



AGENDA

REGULAR MEETINGS OF THE ROCKLIN CITY COUNCIL, ROCKLIN PUBLIC FINANCING AUTHORITY AND SUCCESSOR AGENCY

July 26, 2016

TIME: 6:00 PM

PLACE: Council Chambers, 3970 Rocklin Road

www.rocklin.ca.us

MANNER OF ADDRESSING THE COUNCIL

Citizens may address the City Council on any item on the agenda at the time the item is considered. Citizens wishing to speak may request recognition from the Mayor by raising their hand and stepping to the podium when requested to do so. Speakers will usually be allowed five (5) minutes; however, the Mayor may set shorter time limits. Speakers are asked to identify themselves by stating their name and the city they reside in for the official record.

STANDARDS OF DECORUM

Any person who disrupts the meeting of the Council, may be barred by the presiding officer from further audience before the Council during that meeting, unless permission to continue be granted by majority vote of the Council.

All remarks shall be addressed to the Council as a body and not to any member thereof, or to staff, or to the public. No person, other than a member of the Council, the City Manager or the City Attorney and the person having the floor, shall be permitted to enter into any discussion without the permission of the presiding officer.

For items not on the agenda, and for non-hearing items on the agenda the person addressing the Council shall be limited to five minutes, unless the time is adjusted by the presiding officer.

Whenever any group of persons wishes to address the Council on the same subject matter, it shall be proper for the presiding officer to request that a spokesman be chosen by the group to address the Council and, in case additional matters are to be presented at the time by any member of the group, to limit the number of persons so addressing the Council, so as to avoid unnecessary repetition.

As a courtesy to all, please turn off cell phones and other electronic devices during the meeting.

WRITINGS RECEIVED AFTER AGENDA POSTING

Any writing related to an agenda item for the open session of this meeting distributed to the City Council, Public Financing Authority or Successor Agency less than 72 hours before this meeting is available for inspection at City Hall, 3970 Rocklin Road, Rocklin, during normal business hours. These writings will also be available for review at the council meeting in the public access binder located on the table at the back of the Council Chambers. If you have questions related to this agenda, please call 916-625-5588.

AMERICANS WITH DISABILITIES ACT

In compliance with the Americans with Disabilities Act, the City of Rocklin encourages those with disabilities to participate fully in the public hearing process. If you have a special need in order to allow you to attend or participate in our public meeting and public hearing processes, including receiving notices, agendas, and other writings in appropriate alternative formats, please contact our office at (916) 625-5588 well in advance of the public meeting or public hearing you wish to attend so that we may make every reasonable effort to accommodate you.

ELECTRONIC PRESENTATIONS

All persons with electronic presentations for public meetings will be required to bring their own laptop or other form of standalone device that is HDMI or VGA compatible. It is further recommended that presenters arrive early to test their presentations. The City is not responsible for the compatibility or operation of non-city devices or the functionality of non-city presentations.

POSTING OF AGENDA

In accordance with Government Code Section 54954.2(a) this agenda was posted on the City's bulletin board at City Hall, 3970 Rocklin Road, Rocklin, and City of Rocklin website at www.rocklin.ca.us.

AGENDA

INTRODUCTION

1. Meeting called to order at
2. Pledge of Allegiance
3. Roll Call:
 - A. Councilmembers:
 - B. City Personnel:
 - C. Commissioners:

COUNCIL REPORTS

- 3.5 Reports from Boards, Committees, and Commissions (Verbal)

AGENDA REVIEW

4. Agenda Modifications

CONSENT CALENDAR

The following routine matters can be acted upon by one motion. Individual items may be removed by the Council for separate discussion. The title is deemed to be read and further reading waived of any ordinance listed on the Consent Calendar for introduction or adoption.

5. [City Council, Public Financing Authority & Successor Agency Meeting Minutes of July 12, 2016](#)
6. [Second Reading & Publication: Ordinance No. 1054 of the City Council of the City of Rocklin Repealing Section 2.04.010 of the Rocklin Municipal Code Relating to a Special Election](#)
7. [Granite Bluff Final Map](#)
 - A. [Resolution of the City Council of the City of Rocklin Approving the Final Map of Granite Bluff Phase 1 \(SD-2014-0003\)](#)
 - B. [Resolution of the City Council of the City of Rocklin Approving and Authorizing Execution of the Agreement for Dedication of Land](#)

Staff Presentation by Dave Palmer
8. [Resolution of the City Council of the City of Rocklin Approving City of Rocklin Improvement Standards and Standard Drawings and Rescinding Resolution No. 94-98](#)

Staff presentation by Justin Nartker
9. [Resolution of the City Council of the City of Rocklin Approving and Authorizing the City Manager to Execute a Professional Services Agreement with a Licensed Design Professional for the Engineering Design Services and Right of Way Services for the Rocklin Road at Pacific Street Roundabout \(Kimley-Horn & Associates\)](#)

Staff presentation by Justin Nartker
10. [Pacific Street and Rocklin Road Roundabout Project](#)
 - A. [Resolution of the City Council of the City of Rocklin Approving and Authorizing the City Manager to Execute Master Agreement - State Agreement for Federal - Aid Projects No. 03-5095F-15 \(Pacific Street Roundabout Project\)](#)
 - B. [Resolution of the City Council of the City of Rocklin Approving and Authorizing the City Manager to Execute Program Supplement No. N020-F Revision 1 to Administering Agency - State for Federal-Aid Projects No. 03-5095F-15 \(Pacific Street Roundabout Project\)](#)

Staff Presentation by Justin Nartker
11. [Resolution of the City Council of the City of Rocklin Approving and Authorizing the Mayor to Execute a Consultant Services Agreement \(Bob Murray & Associates/Executive Recruitment for City Attorney\)](#)

Presentation by Mayor Janda and Councilmember Yuill

12. [Resolution of the City Council of the City of Rocklin Approving and Adopting Policies and Rental Fees for Quarry Park Amphitheater](#)

Staff Presentation by Karen Garner

SPECIAL PRESENTATIONS

13. Presentation of City Council Resolution

CITIZENS ADDRESSING THE CITY COUNCIL

Members of the public may address the City Council at this time on any item of business of interest to the public that is not on the agenda. Speakers are limited to five minutes unless the time is extended by the presiding officer. Council members may briefly respond to statements made or questions asked by a speaker, but may not make any decisions or take action on any item not on the agenda.

14. NAME AND CITY

REPORTS FROM CITY OFFICIALS/DISCUSSION AND POTENTIAL ACTION ITEMS

15. [Process to Fill Council Vacancy](#)

Staff Presentation by Barbara Ivanusich

16. Announcements/Brief Reports
17. City Manager Report

FUTURE AGENDA ITEMS

FUTURE STRATEGIC PLANNING ITEMS

PUBLIC FINANCING AUTHORITY

18. No Action Required

CITY COUNCIL ACTING AS SUCCESSOR AGENCY

19. No Action Required

ADJOURNMENT

20. Meeting Adjourned at



BACK TO AGENDA



MINUTES
REGULAR MEETINGS OF THE
ROCKLIN CITY COUNCIL,
ROCKLIN PUBLIC FINANCING AUTHORITY
AND SUCCESSOR AGENCY

July 12, 2016

TIME: 6:00 PM

PLACE: Council Chambers, 3970 Rocklin Road
www.rocklin.ca.us

INTRODUCTION

1. The Regular Meeting of the Rocklin City Council, Rocklin Public Financing Authority and Successor Agency convened at 6:00 p.m. Mayor Janda presiding.
2. Mike Davis, Lincoln Division Fire Chief, led the Pledge of Allegiance.
3. Roll Call:
 - A. Councilmembers: Dave Butler, George Magnuson, Diana Ruslin, Scott Yuill, Mayor Greg Janda
 - B. City Personnel:
 - Ricky A. Horst, City Manager
 - DeeAnne Gillick, Interim City Attorney
 - Laura Webster, Community Development
 - Matt McClure, Public Services
 - Troy Holt, City Manager's Office
 - Marc Mondell, Community Development
 - Michael Green, Administration
 - Rick Forstall, Public Services
 - David Mohlenbrok, Public Services
 - Dave Palmer, Community Development
 - Justin Nartker, Public Services
 - Karen Garner, Recreation, Arts & Tourism
 - Jason Johnson, Administration
 - Ron Lawrence, Police
 - Kim Sarkovich, Administration
 - Bret Finning, Community Development
 - Barbara Ivanusich, City Clerk
 - C. Commissioners: Ken Broadway

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COUNCIL REPORTS

3.5 Reports from Boards, Committees, and Commissions (Verbal)

Councilmember Ruslin reported on a Design Review committee meeting with stakeholders.

Councilmember Butler reported a conference call with the League of California Cities Sacramento Valley Division wherein the Board took a neutral position related to medical marijuana.

Mayor Janda reported the City Manager and City Attorney Review Committee will be reviewing the City Manager contract with assistance from outside counsel in a not to exceed amount of \$5,000. He also reported the Committee will be making a recommendation on the City Attorney recruitment firm at the next council meeting.

Councilmember Magnuson requested copies of the request for proposals submitted by the recruitment firms.

AGENDA REVIEW

4. Agenda Modifications

Councilmember Butler pulled Item No. 9 for discussion.

Councilmember Yuill pulled Item No. 5 to abstain.

CONSENT CALENDAR

5. Pulled.

6. Second Reading & Publication: Ordinance No. 1052 of the City Council of the City of Rocklin Approving a General Development Plan and Rezone from Retail Business (C-2) to Multiple Family Residential (PD-R) and Open Area (O-A)

7. Resolution No. 2016-186 of the City Council of the City of Rocklin Accepting and Directing the Recordation of a Grant Deed for Lot E and Lot F (Brighton Subdivision SD-2014-0002)

8. Professional Services Agreements for Plan Review Services

A. Resolution No. 2016-187 of the City Council of the City of Rocklin Approving and Authorizing the City Manager to Execute a Professional Services Agreement with a Licensed Design Professional (Omni-Means, Ltd. / Plan Review Services)

B. Resolution No. 2016-188 of the City Council of the City of Rocklin Approving and Authorizing the City Manager to Execute a Professional Services Agreement with a Licensed Design Professional (Uhora Engineering & Planning, Inc. / Plan Review Services)

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- 9. Resolution 2016-189 of the City Council of the City of Rocklin Acknowledging Improving State Drought Conditions and Approving the Limited Opening of City Water Parks for the 2016 Season

- 9.5 Resolution No. 2016-192 of the City Council of the City of Rocklin Amending the City of Rocklin Management Salary Schedule for Fiscal Year 2016-2017

Motion to approve Item Nos. 6-8 and 9.5 on the Consent Calendar by Councilmember Yuill, seconded by Councilmember Ruslin. Passed by the following vote:

Ayes: Yuill, Ruslin, Butler, Magnuson, Janda
 Noes: None
 Absent: None
 Abstain: None

- 5. City Council, Public Financing Authority & Successor Agency Meeting Minutes of June 28, 2016

Motion to approve Item No. 5 by Councilmember Ruslin, seconded by Councilmember Butler. Passed by the following vote:

Ayes: Ruslin, Butler, Magnuson, Janda
 Noes: None
 Absent: None
 Abstain: Yuill

- 9. Resolution 2016-189 of the City Council of the City of Rocklin Acknowledging Improving State Drought Conditions and Approving the Limited Opening of City Water Parks for the 2016 Season

Councilmember Butler expressed concern over re-opening of the water parks.

Motion to approve Item No. 9 by Councilmember Ruslin, seconded by Councilmember Magnuson. Passed by the following vote:

Ayes: Ruslin, Magnuson, Yuill, Janda
 Noes: None
 Absent: None
 Abstain: Butler

CITIZENS ADDRESSING THE CITY COUNCIL

- 10. NAME AND CITY – none.

PUBLIC HEARINGS

11. Mercedes Benz Digital Freeway Sign Time Extension

Mayor Janda opened the public hearing at 6:22 p.m.

Laura Webster’s report highlighted:

- Proposed site
- Site location
- Digital sign picture

Kara Ueda with Best, Best & Krieger on behalf of the applicant, spoke in support.

John Pereira, Law Office of John David Pereira, spoke in opposition.

John Pereira, on behalf of Orion, spoke in opposition.

Mayor Janda closed the public hearing at 6:39 p.m.

Councilmember Magnuson explained that he voted no on the original submittal due to concerns over the location of the sign and safety issues and, therefore, would vote no tonight.

- A. Resolution No. 2016-190 of the City Council of the City of Rocklin Approving a Two-Year Time Extension of a Design Review for a Digital Freeway Sign (Mercedes Benz of Rocklin Site, DR-2008-07A/DR2016-002)

Motion to approve Item 11.A. by Councilmember Ruslin, seconded by Councilmember Yuill. Passed by the following vote:

Ayes:	Rusin, Yuill, Butler, Janda
Noes:	Magnuson
Absent:	None
Abstain:	None

ORDINANCES

12. Discussion of Procedure to Fill a Council Vacancy and Possible Action

DeeAnne Gillick explained that without the existence of Section 2.04.010 of the Rocklin Municipal Code, Government Code Section 36512 would apply that states within 60 days of a vacancy the Council shall call a special election or make an appointment to serve the remaining term of the vacant position. If section 2.04.010 remains in effect, Council has a mandatory duty to immediately call a special election. The costs associated with a special election are approximately \$330,000. Council can approve either, neither or both if Council believes there would be any challenge to the ordinance.

Councilmember Magnuson supports democracy and the right of the people to vote.

- A. Urgency Action and Publication: Ordinance No. 1053 of the City Council of the City of Rocklin Repealing Section 2.04.010 of the Rocklin Municipal Code Relating to a Special Election and Declaring Such Ordinance to Take Effect Immediately

Motion to approve Item 12.A. by Councilmember Butler, seconded by Councilmember Yuill. Passed by the following vote:

Ayes: Butler, Yuill, Janda
 Noes: Magnuson
 Absent: None
 Abstain: Ruslin

- B. First Reading & Publication: Ordinance No. 1054 of the City Council of the City of Rocklin Repealing Section 2.04.010 of the Rocklin Municipal Code Relating to a Special Election

Motion to Read by Title Only Item 12.B. by Councilmember Butler, seconded by Councilmember Yuill. Passed by the following vote:

Ayes: Butler, Yuill, Janda
 Noes: Magnuson
 Absent: None
 Abstain: Ruslin

Motion to approve on First Reading Item 12.B. by Councilmember Butler, seconded by Councilmember Yuill. Passed by the following vote:

Ayes: Butler, Yuill, Janda
 Noes: Magnuson
 Absent: None
 Abstain: Ruslin

BID ACTION

- 13. Resolution No. 2016-191 of the City Council of the City of Rocklin Approving and Authorizing the City Manager to Award the Bid for the Construction of the 2016 Roadway Resurfacing Project (High Density Mineral Bond)

Councilmember Magnuson left the room at 7:07 p.m. and returned at 7:09 p.m.

Justin Nartker’s report highlighted:

- Roadway Infrastructure
- FHWA on Pavement Preservation
- Pavement Preservation Investment v. Pavement Life Cycle
- Cost of Delaying Maintenance
- Key to Maximizing Pavement Life

- Pavement Preservation/Toolbox/History
- Recent Concerns/Tracking/Workmanship/Toxicity/Sole Sourced Product
- Staff Findings/Recommendations

Motion to approve Item No. 13 by Councilmember Ruslin, seconded by Councilmember Butler. Passed by the following vote:

Ayes: Ruslin, Butler, Magnuson, Yuill, Janda
 Noes: None
 Absent: None
 Abstain: None

REPORTS FROM CITY OFFICIALS/DISCUSSION AND POTENTIAL ACTION ITEMS

14. Announcements/Brief Reports

15. City Manager Report – Rick Horst reported Councilmember Butler is attending the League of California Cities Conference and a voting delegate should be appointed.

Motion to appoint Councilmember Butler Voting Delegate for the League of California Cities’ Annual Conference by Councilmember Magnuson, seconded by Councilmember Yuill. Passed by the following vote:

Ayes: Magnuson, Yuill, Butler, Ruslin, Janda
 Noes: None
 Absent: None
 Abstain: None

15.5 AB 1217 (Daly) – Local Control of Joint Powers Authority

Staff Recommendation: Issue Letter of Opposition to AB 1217 (Daly) Orange County Fire Authority

Motion to approve Item No. 15.5 by Councilmember Magnuson, seconded by Councilmember Butler. Passed by the following vote:

Ayes: Magnuson, Butler, Ruslin, Yuill, Janda
 Noes: None
 Absent: None
 Abstain: None

FUTURE AGENDA ITEMS – none.

FUTURE STRATEGIC PLANNING ITEMS – none.

PUBLIC FINANCING AUTHORITY

16. No Action Required

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CITY COUNCIL ACTING AS SUCCESSOR AGENCY

17. No Action Required

CLOSED SESSION (Read Closed Session Items - Ask for Public Comment)

18. Conference with Legal Counsel – Existing Litigation Under Government Code Section 54956.9(d)(1)
Contos v. City of Rocklin, Placer County Superior Court Case No. SCV0037018

Mayor Janda asked for public input. There being none, Mayor Janda called for the Closed Session at 7:38 p.m.

The Closed Session ended at 8:10 p.m. with no report.

ADJOURNMENT

19. Meeting Adjourned at 8:10 p.m.

Gregory A. Janda, Mayor

Barbara Ivanusich, City Clerk



City Council Report

Subject: Approval of Ordinance No. 1054 Repealing Section 2.04.010 of the Rocklin Municipal Code relating to a Special Election

Submitted by: DeeAnne Gillick, City Attorney
Barbara Ivanusich, City Clerk

Date: July 26, 2016

Department: Legislative

- **Staff Recommendation:** WAIVE SECOND READING AND APPROVE ORDINANCE NO. 1054 OF THE CITY COUNCIL OF THE CITY OF ROCKLIN REPEALING SECTION 2.04.010 OF THE ROCKLIN MUNICIPAL CODE RELATING TO A SPECIAL ELECTION

BACKGROUND:

On July 12, 2016 the City Council waived the first reading and introduced an ordinance of the City Council of the City of Rocklin repealing section 2.04.010 of the Rocklin Municipal Code relating to a special election.

On July 12, 2016 the Council also took action to approve an Ordinance of the City Council of the City of Rocklin repealing section 2.04.010 of the Rocklin Municipal Code relating to a special election and declaring such ordinance to take effect immediately.

Section 2.04.010 of the Rocklin Municipal Code requires the Council to immediately call a special election to fill a council vacancy and in the interim the Council may appoint someone to serve until a replacement is elected at the special election. With the repeal of section 2.04.010 of the Rocklin Municipal Code, state law provides that the Council may appoint a person to serve the unexpired term of the incumbent who has vacated his or her council position, or in the alternative, call a special election to elect a replacement to serve the incumbent's remaining term and the vacancy remains until the special election occurs.

A handwritten signature in blue ink that reads "R. A. Horst".

Ricky A. Horst, City Manager
Reviewed for Content

A handwritten signature in blue ink that reads "DeeAnne Gillick".

DeeAnne Gillick, City Attorney
Reviewed for Legal Sufficiency

ORDINANCE NO. 1054

ORDINANCE OF THE CITY COUNCIL
 OF THE CITY OF ROCKLIN REPEALING SECTION 2.04.010 OF THE
 ROCKLIN MUNICIPAL CODE RELATING TO A SPECIAL ELECTION

The City Council of the City of Rocklin does ordain as follows:

Section 1. Section 2.04.010 of the Rocklin Municipal Code is hereby repealed in its entirety.

Section . Within fifteen days of passage of this ordinance, the City Clerk shall cause the full text of the ordinance, with the names of those City Councilmembers voting for and against the ordinance, to be published in the Placer Herald. In lieu of publishing the full text of the ordinance, the City Clerk, if so directed by the City Attorney and within fifteen days, shall cause a summary of the ordinance, prepared by the City Attorney and with the names of the City Councilmembers voting for and against the ordinance, to be published in the Placer Herald, and shall post in the office of the City Clerk a certified copy of the City Councilmembers voting for and against the ordinance. The publication of a summary of the ordinance in lieu of the full text of the ordinance is authorized only where the requirements of Government Code section 36933(c)(1) are met.

INTRODUCED at a regular meeting of the City Council of the City of Rocklin held on July 12, 2016, by the following vote:

AYES:	Councilmembers:	Butler, Yuill, Janda
NOES:	Councilmembers:	Magnuson
ABSENT:	Councilmembers:	None
ABSTAIN:	Councilmembers:	Ruslin

PASSED AND ADOPTED at a regular meeting of the City Council of the City of Rocklin held on July 26, 2016, by the following vote:

AYES: Councilmembers:

NOES: Councilmembers:

ABSENT: Councilmembers:

ABSTAIN: Councilmembers:

Gregory A. Janda, Mayor

ATTEST:

Barbara Ivanusich, City Clerk

First Reading: 7/12/16

Second Reading: 7/26/16

Effective Date: 8/25/16



City Council Report

Subject: Final Map Granite Bluff-Phase 1 (SD-2014-0003) and Dedication Agreement

Submitted by: Marc Mondell, Director
Dave Palmer, City Engineer-Presenter

Date: July 26, 2016

Department: Economic & Community Development **Reso. Nos.**

- **Staff Recommendation:** It is recommended that the City Council of the City of Rocklin approve resolutions approving the Final Map for Granite Bluff-Phase 1 (SD-2014-0003) and approving and authorizing the execution of the Agreement for Dedication of Land.
-

BACKGROUND: The tentative subdivision map for Granite Bluff was approved by the City Council on August 11, 2015 by Resolution No. 2015-209. The project included two specific conditions of approval related to the recordation of the final map as follows;

- 1) Prior to or concurrently with the recordation of a final map, the encroachment transfer parcels, Lots P, Q, R, S, T, U and V shall be transferred to the applicable adjacent property owner.
- 2) Prior to or concurrently with the recordation of a final map, the developer shall enter into a dedication agreement to deed Lot A, in fee title, to the City five-years after the date of final map recordation, if prior to that time the property has not been incorporated into one of the adjacent commercial properties.

The transfer parcels are areas where the adjacent residents along Aguilar Road have encroached onto the developer's property due to past inconsistencies between the legal property lines and the private property owners' development and use of their parcels. The developer has agreed to adjust the legal property lines and quitclaim these areas to the adjacent property owners. The Phase 1 final map is necessary to create these legal parcels so they can be transferred to the adjacent property owners and satisfy the condition prior to recording the Phase 2 final map.

Due to its configuration, Lot A is not a developable lot. This dedication agreement is to ensure that Lot A becomes incorporated into one of the adjacent properties to the north of this project in order to create a more viable commercial project adjacent to Rocklin Road.

FINDINGS, CONCLUSIONS & RECOMMENDATIONS:**Findings:**

- **Location:** This project is generally located south of Rocklin Road and East of Aguilar Road.
- **Subdivider:** DLC Rocklin, a California Limited Partnership, and Sadie Rocklin LLC, a California Limited Liability Company.
- **No. of Parcels:** The Phase 1 map will create 8 lettered lots and a remaining lot for the development of the residential project. Seven of the lettered lots will be transferred to the adjacent property owners. Lot A will be encumbered with the dedication agreement to the City of Rocklin.

Conclusions:

- The Phase 1 map is technically correct and is required to create the transfer parcels and Lot A in order to satisfy the conditions of approval. All fees have been paid. The map is ready for approval.

Recommendations:

- It is recommended that the City Council of the City of Rocklin approve the Phase 1 Final Map of Granite Bluff and the Agreement for Dedication of Land.

Fiscal Impact: According to the Dedication Agreement Lot A could become City property in five years. The City could generate revenue from the sale of the property in the future.



Ricky A. Horst, City Manager
Reviewed for Content



DeeAnne Gillick, Interim City Attorney
Reviewed for Legal Sufficiency



RESOLUTION NO. 2016-

RESOLUTION OF THE CITY COUNCIL OF
THE CITY OF ROCKLIN APPROVING THE
FINAL MAP OF GRANITE BLUFF PHASE 1 (SD-2014-0003)

The City Council of the City of Rocklin does resolve as follows:

Section 1. The City Council of the City of Rocklin hereby finds as follows:

A. That a tentative subdivision map for a subdivision known as Granite Bluff (SD-2014-0003) (the "Subdivision") and submitted by DLC Rocklin, a California Limited Partnership, and Sadie Rocklin LLC, a California Limited Liability Company (the "Subdivider") was approved subject to certain conditions;

B. That the Subdivider, in order to satisfy certain conditions, desires to record a Phase 1 final map for the Subdivision;

C. That the City Engineer has reviewed the Phase 1 final map for the Subdivision and has determined that it substantially conforms to the approved tentative map and certain conditions and requirements of that approval, and now recommends approval of the Phase 1 final map.

Section 2. The City Council hereby approves the Phase 1 final map for the Subdivision and accepts on behalf of the public the dedication right of way for Aguilar Road shown and offered on the Phase 1 final map for the Subdivision. The City Council hereby further accepts on behalf of the public the dedication of the following: N/A

Section 3. The City Clerk is hereby authorized and directed to record the Phase 1 final map for the Subdivision in the Office of the Placer County Recorder when fully executed and notarized.

PASSED AND ADOPTED this 28th day of June, 2016, by the following vote:

AYES: Councilmembers:

NOES: Councilmembers:

ABSENT: Councilmembers:

ABSTAIN: Councilmembers:

Gregory A. Janda, Mayor

ATTEST:

Barbara Ivanusich, City Clerk

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RESOLUTION NO. 2016-

RESOLUTION OF THE CITY COUNCIL
OF THE CITY OF ROCKLIN APPROVING AND AUTHORIZING EXECUTION OF THE
AGREEMENT FOR DEDICATION OF LAND
(Granite Bluff-Lot A, SD-2014-0003)

The City Council of the City of Rocklin does resolve as follows:

Section 1. DLC Rocklin, a California Limited Partnership, and Sadie Rocklin LLC, a California Limited Liability Company (Owners) are required, as a condition of approval for the Granite Bluff Subdivision (SD-2014-0003), to enter into a dedication agreement with the City for Lot A.

Section 2. The Agreement for Dedication of Land for Granite Bluff Lot A, attached hereto as Exhibit A and by this reference incorporated herein is hereby approved and the City Manager is authorized and directed to execute the agreement on behalf of the City and take all further action necessary to carry out the terms and conditions of the agreement.

Section 3. The City Council of the City of Rocklin hereby accepts if required by the terms and conditions of the Agreement for Dedication of Land for Granite Bluff Lot A, the Grant Deed for transfer of Lot A, as referenced in Exhibit A and authorizes the City Manager to execute a Certificate of Acceptance for said Deed and take all further reasonable and necessary action pursuant to the agreement.

Section 4. The City Clerk is directed to record, or have recorded, the deed and all necessary and related documents in the office of the Placer County Recorder when fully executed and notarized.

PASSED AND ADOPTED this 28 day of June, 2016, by the following vote:

AYES: Councilmembers:
NOES: Councilmembers:
ABSENT: Councilmembers:
ABSTAIN: Councilmembers:

Gregory A. Janda, Mayor

ATTEST:

Barbara Ivanusich, City Clerk

EXHIBIT A

AGREEMENT FOR DEDICATION
OF LAND
(Granite Bluff – Lot A)
SD 2014-0003; TRE 2015-0002

Recording requested by and)
 when recorded, please return to:)
)
 No Fee Pursuant to Gov. Code § 27383)
)
 City of Rocklin)
 3970 Rocklin Road)
 Rocklin, CA 95677)
)

No Documentary Transfer Tax Pursuant to
 Rev. & Tax Code § 11922

APN: 010-

**AGREEMENT FOR DEDICATION
 OF LAND
 (Granite Bluff – Lot A)
 SD 2014-0003; TRE 2015-0002**

The parties to this Agreement for Dedication of Land related to the development of the Granite Bluff Subdivision (“Lot A”) (“Agreement”) are the City of Rocklin, a municipal corporation duly organized and existing under the Constitution and laws of the State of California (“City”), and DLC Rocklin, a California Limited Partnership, and Sadie Rocklin LLC, a California Limited Liability Company (“Owner” or Owners”).

RECITALS

- A. City, in conjunction with the approval of SD 2014-0003 and TRE 2015-0002 (the “Project”), imposed conditions on the Project relating to the development of Lot “A” of said Granite Bluff Project map.
- B. Condition 7(b) of said Approvals states: “In partial consideration for small lot development and to provide a public enhancement, prior to or concurrently with the recordation of a final map the developer shall enter into a dedication agreement to deed Lot A, in fee title, to the City five-years after the date of final map recordation, if prior to that time the property has not been incorporated into one of the adjacent commercial properties. The City, at its sole discretion will then utilize this property to ensure the development of a more viable commercial project on properties to the north of the subdivision and adjacent to Rocklin Road”.

- C. "Lot A" is identified on **Exhibit "A,"** attached hereto and incorporated herein by this reference ("Lot A"). This Dedication Agreement shall be recorded against "Lot A".
- D. "Adjacent Commercial Properties" are identified as APN 045-130-056 (4680 Rocklin Road) and APN 045-130-054 (4620 Rocklin Road) in the City of Rocklin, Placer County, California.
- E. Owner desires to final a portion of said Project Map. This Dedication Agreement is entered into allowing Owner to defer until **[date to be inserted with date of recordation of final map]** (date five (5) years from the date of recordation of the Final Map for Phase 1). Owner is willing to transfer to City "Lot A" in the form of a dedication without cost to City if the condition subsequent has not been met within five years from the date of the final map

AGREEMENT

1. **Recitals Accurate.** The recitals set forth above are accurate and are made part of this Agreement for all purposes.
2. **Consideration.** The consideration for this Agreement is the offer of dedication of "Lot A" by Owner and the approval by City of the first phase of the final map with deferral of the dedication as provided for herein.
3. **No Development Agreement.** The parties agree that this Agreement is not a development agreement, as that term is defined in Government Code Sections 65864 *et seq.* Unless City and Owner, pursuant to all applicable laws, rules, and regulations, execute a formal development agreement separate and apart from this Agreement, the land use and development regulations in force as of the date that the entitlements are granted will govern those entitlements. For purposes of this Agreement, "land use and development regulations" means all provisions of state and local law, including but not limited to the Rocklin Municipal Code, and any uncodified ordinances and resolutions, and other policy and procedural documents and regulations that govern land use and development within the City of Rocklin.
4. **Transfer of "Lot A" to City.** Subject to the condition subsequent set forth in Paragraph 5 below, Owner shall transfer "Lot A" to the City in fee title, free and clear of all liens, encumbrances, assessments, easements, restrictions, conditions, leases, and reservations pursuant to a grant deed in a form substantially similar to that specified in **Exhibit "B,"** attached

hereto and incorporated herein by this reference. The grant deed will be recorded as further set forth in Paragraph 5 below.

5. **Condition Subsequent.** The obligation to transfer “Lot A” to City is subject to the following condition subsequent:

- a. If, within five (5) years of the date of recordation of the first final map for the Project, Owner “Lot A” has been incorporated into one of the “Adjacent Commercial Properties” (generally described as APN 045-130-056 (4680 Rocklin Road) and APN 045-130-054 (4620 Rocklin Road) this Agreement shall have no further force and effect. If “Lot A” is incorporated into the adjacent commercial properties, Owner shall give written notice to City as set forth in Paragraph 6(k) below. Approval by City of a lot line adjustment or similar action shall be deemed notice to the City. Failure to give City notice will result in a rebuttable presumption that “Lot A” has not been incorporated into other parcel(s). Upon written notice from Owner, City shall promptly record a release of this Agreement on “Lot A”.
- b. If, within five (5) years of the date of recordation of the first final map for the Project, “Lot A” has not been incorporated into one of the adjacent commercial properties, pursuant to this Agreement, Owner shall transfer, by grant deed, fee title to City as described in Paragraph 4 above.

6. **Miscellaneous Provisions.**

- a. **Attorney Fees and Litigation Costs.** If any legal action or other proceeding, including arbitration or an action for declaratory relief is brought to enforce this Agreement or because of a dispute, breach, default, or misrepresentation in connection with this Agreement, the prevailing party shall be entitled to recover reasonable attorney fees and other costs, in addition to any other proper relief. Prevailing party includes (a) a party who dismisses an action in exchange for sums allegedly due; (b) the party that receives performance from the other party of an alleged breach of covenant or a desired remedy, if it is substantially equal to the relief sought in an action; or (c) the party determined to be prevailing by a court of law. Whenever provision is made in this Agreement for the payment of attorney's fees, such fees shall be payable whether the legal services are rendered by a salaried employee for the party or by independent counsel and shall include such fees as are incurred in connection with any pretrial proceeding, trial or appeal of the action. Any award of damages

following judicial remedy or arbitration as a result of the breach of this Agreement or any of its provisions shall include an award of prejudgment interest from the date of the breach at the maximum amount of interest allowed by law.

- b. **Time of Essence.** Time is of the essence in this Agreement and every provision contained in this Agreement.
- c. **Construction.** The title and headings of the Sections in this Agreement are intended solely for reference and do not modify, explain, or construe any provision of this Agreement. All references to sections, and recitals shall, unless otherwise stated, refer to the Sections and Recitals of this Agreement. In construing this Agreement, the singular form shall include the plural and vice versa. This Agreement shall not be construed as if it had been prepared by one of the parties, but rather as if all parties have prepared the agreement.
- d. **Integration.** This Agreement, all attached exhibits, and all related documents referred to in this Agreement, constitute the entire agreement between the parties. There are no oral or parol agreements which are not expressly set forth in this Agreement and the related documents being executed in connection with this Agreement. This Agreement may not be modified, amended, or otherwise changed except by a writing executed by the party to be charged.
- e. **Third Party Rights.** Nothing in this Agreement, express or implied, is intended to confer upon any person, other than the parties and their respective successors and assigns, any rights or remedies.
- f. **Severability.** If any term or provision of this Agreement is held invalid or unenforceable, the remainder of this Agreement shall not be affected and shall be enforced to the fullest extent permitted by law.
- g. **Waivers.** No waiver or breach of any provision shall be deemed a waiver of any other provision. No extension of time for performance of any obligation or act shall be deemed an extension of time for any other obligation or act. Failure by a party to insist upon the strict performance of any of the provisions of this Agreement by the other party, or the failure by a party to exercise its rights upon the default of the other party shall not constitute a waiver of such party's right to insist and

demand strict compliance by the other party with the terms of this Agreement thereafter.

- h. **Authority.** All persons executing this Agreement on behalf of a party warrant that they have the authority to execute this Agreement on behalf of that party.
- i. **Counterparts.** This Agreement may be executed in one or more counterparts, each of which shall be deemed an original and all of which taken together shall constitute one and the same instrument. The execution of this Agreement shall be deemed to have occurred, and this Agreement shall be enforceable and effective, only upon the complete execution of this Agreement by City and Landowner.
- j. **Governing Law.** This Agreement shall be governed by and construed in accordance with California law.
- k. **Notices.** Any notice called for by this Agreement, or otherwise relating to this Agreement, shall be sent by first class mail, postage prepaid, to the parties at the addresses specified below:

If to City: City Manager, City of Rocklin
 City Hall
 3980 Rocklin Road
 Rocklin CA 95677

With a copy to: City Attorney
 City of Rocklin
 3970 Rocklin Road
 Rocklin, CA 95677

With a copy to: City Engineer
 City of Rocklin
 3980 Rocklin Road
 Rocklin, CA 95677

If to Owner: DLC Rocklin
 A California limited partnership
 999 Baker Way, #300
 San Mateo, CA 94404

Sadie Rocklin LLC
A California Limited Liability Company
999 Baker Way, #300
San Mateo, CA 94404

With a copy to:

Jon Tattersall
Maverick Partners
1700 Eureka Road
Suite 110
Roseville, CA 95661

The parties have executed this Agreement on this 28th day of June, 2016.

CITY OF ROCKLIN
A Municipal Corporation

By: _____
Ricky A. Horst
City Manager

OWNER

DLC Rocklin, a California Limited
Partnership

By: _____
Name:

Title:

Sadie Rocklin LLC, a California
Limited Liability Company

By: _____
Name:

Title:

APPROVED AS TO FORM:

DeeAnne Gillick
Interim City Attorney

ATTEST:

Barbara Ivanusich, City Clerk

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)
County of _____)

On this _____ day of _____, 20____, before me
_____, notary public,
(Notary Name and Title)

personally appeared _____
_____ who proved to
me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to
the within instrument and acknowledged to me that he/she/they executed the same in
his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument
the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under penalty of perjury under the laws of the State of California that the foregoing
paragraph is true and correct.

My Commission Expires: _____

Notary Public in and for said county and state

(SEAL)

EXHIBIT "A"
DESCRIPTION OF LOT A

**Lot A as shown on the Final Map of Granite Bluff Phase 1
(SD 2014-0003)**

EXHIBIT "B"

[FORM OF]
GRANT DEED FOR TRANSFER OF "LOT A"

Recording requested by and)
when recorded, please return to:)
)
No Fee Pursuant to Gov. Code § 27383)
)
City of Rocklin)
3970 Rocklin Road)
Rocklin, CA 95677)
)

No Documentary Transfer Tax Pursuant to
Rev. & Tax Code § 11922

APN: 010-

GRANT DEED

FOR A VALUABLE CONSIDERATION, receipt of which is hereby acknowledged,

DLC Rocklin, a California Limited Partnership and
Sadie Rocklin LLC, a California Limited Liability Company

hereby **GRANT(S)** to the **CITY OF ROCKLIN**, the real property described in Exhibit "A"
and as shown on Exhibit "B" attached hereto and by reference made a part hereof.

The property is granted in fee title without restrictions.

Date: _____

SIGNATURES MUST BE NOTARIZED

By: _____

By: _____



City Council Report

Subject: City of Rocklin Improvement Standards

Submitted by: Rick Forstall, Director
Justin Nartker (Presenter)

Date: July 26, 2016

Department: Public Services

- **Staff Recommendation:** It is recommended that the City Council of the City of Rocklin approve a resolution approving the City of Rocklin Improvement Standards and Standard Drawings and rescind Resolution No. 94-98.
-

BACKGROUND:

On April 26, 1994, the City Council approved Resolution No. 94-98 adopting the Construction Improvement Standards and Standard Drawings. The purpose of the City standards is to regulate and guide the design and preparation of plans for construction of streets, highways, alleys, drainage, street lighting facilities and related public improvements. In addition, these standards set guidelines for all private works which involve drainage, grading, trees, and related improvements. These standards are applied to improvements and private works that will be dedicated to the public and accepted by the City for maintenance and/or operation.

The City's Improvement Standards have been updated multiple times since their inception with the last complete update in March of 2006. This update will bring the standards current and in line with accepted practices and newer design criteria. As part of this effort the staff including the City Engineer have updated and reviewed this latest revision. In addition, the standards have been compared with Caltrans and other agency's standards to ensure best practices are in place.

FINDINGS & ALTERNATIVES

Findings:

- On April 26, 1994, the City Council approved Resolution 94-98 adopting the Construction Improvement Standards and Standard Drawings.
- The Improvement Standards and Standard Drawings have been updated numerous times with the last complete update in March of 2006.
- The Improvement Standards and Standard Drawings regulate and guide the design and preparation of construction plans.
- In addition, these standards set guidelines for all private works which involve drainage, grading, trees, and related improvements.

- Staff including the City Engineer have updated and reviewed this latest revision as well as, comparing them with Caltrans and other agency's standards to ensure best practices are in place.
- Staff is proposing changes to bring City standards in line with accepted practice and newer design criteria.

Alternatives:

- N/A

Conclusion & Recommendation:

- It is recommended that the City Council of the City of Rocklin approve a resolution approving the City of Rocklin Improvement Standards and Standard Drawings and rescind Resolution No. 94-98.

Fiscal Impact:

- None



Ricky A. Horst, City Manager
Reviewed for Content



DeeAnne Gillick, Deputy City Attorney
Reviewed for Legal Sufficiency

RESOLUTION NO. 2016-

RESOLUTION OF THE CITY COUNCIL
OF THE CITY OF ROCKLIN
APPROVING CITY OF ROCKLIN IMPROVEMENT STANDARDS
AND STANDARD DRAWINGS
AND RESCINDING RESOLUTION NO. 94-98

The City Council of the City of Rocklin does resolve as follows:

Section 1. The City Council of the City of Rocklin hereby approves the City of Rocklin Improvement Standards in substantially the form attached hereto as Exhibit 1 and by this reference incorporated herein.

Section 2. The City Council of the City of Rocklin hereby approves the City of Rocklin Standard Drawings in substantially the form attached hereto as Exhibit 2 and by this reference incorporated herein.

Section 3. Resolution No. 94-98 is hereby rescinded.

PASSED AND ADOPTED this 26th day of July, 2016, by the following vote:

AYES: Councilmembers:

NOES: Councilmembers:

ABSENT: Councilmembers:

ABSTAIN: Councilmembers:

Gregory A Janda, Mayor

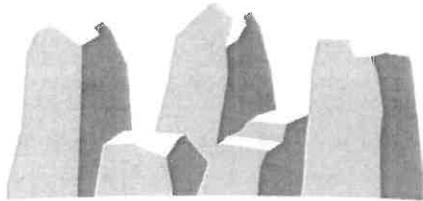
ATTEST:

Barbara Ivanusich, City Clerk

EXHIBIT I

CITY OF ROCKLIN IMPROVEMENT STANDARDS

CITY OF ROCKLIN
IMPROVEMENT STANDARDS



ROCKLIN
CALIFORNIA

May 2016

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SECTION 1

PURPOSE AND DEFINITIONS

1-1 PURPOSE

The purpose of these Improvement Standards is to provide direction in the application of improvements and private works to be dedicated to the public and accepted by the City for maintenance or operation, and to provide for coordinated development of those facilities to be used by and for the protection of the public. This includes certain private works, as well as improvements to be installed within existing City rights-of-way and easements. These Standards shall apply to regulate and guide the design and preparation of plans for construction of streets, highways, alleys, drainage, street lighting facilities and related public improvements, and to set guidelines for all private works which involve drainage, grading, trees, and related improvements.

1-2 DESIGN PRACTICE

It is recognized that it is not possible to anticipate all situations that may arise or to prescribe standards applicable to every situation. Therefore, any items or situations not included in these Improvement Standards shall be designed in accordance with accepted engineering practice, the City of Rocklin Standard Construction Specifications, the State of California "Highway Design Manual", the "Manual on Uniform Traffic Control Devices", and as required by the City Engineer.

1-3 DEFINITIONS

Whenever the following terms or titles are used in these standards or in any document or instrument where these standards govern, the intent and meaning shall be as specified in the City of Rocklin Standard Construction Specifications, the Rocklin Municipal Code, and as herein defined:

Construction Inspector - Shall mean the person appointed by the Director to oversee the construction of that portion of the project that is of importance to the City.

Consulting Engineer - Shall mean any person or persons, firm, partnerships or corporation legally authorized to practice civil, mechanical or electrical engineering in the State of California who prepares or submits improvement plans and specifications to the City of Rocklin Community Development Department Engineering Division for approval.

Developer - Shall mean any person or persons, firm, partnership, corporation, or combination thereof, financially responsible for the work involved.

Development - Shall mean the act or process of any construction on properties as well as subdivision improvements.

Director - Shall mean the City Engineer of the City of Rocklin acting either directly or through others in the Engineering Division or his authorized representatives. Director shall also mean the Director of Public Services where specified.

Laboratory - Shall mean any testing agency or testing firm which has been approved by the Department of Public Services.

MUTCD - Shall mean the latest edition of the Federal Manual on Uniform Traffic Control Devices and the MUTCD California supplement.

Placer County Water Agency - (PCWA) shall mean the agency that generally maintains and owns water facilities within the City of Rocklin.

South Placer Municipal Utility District - (SPMUD) shall mean the agency that generally owns and maintains sewer conveyance facilities within the City of Rocklin.

Standard Construction Specifications - Shall mean the latest standard construction specifications adopted by the City Council governing the construction of roads, streets, storm drainage, concrete structures, traffic signals, street lighting and other facilities within the City of Rocklin to provide for proper development.

Standard Drawings - Shall mean the standard drawings as set forth herein, approved by the Director with his signature thereon, and as modified, revised, or added.

State - As used in the State Specifications, shall mean City of Rocklin.

State Standard Plans - Shall mean the Standard Plans of the State of California, Department of Transportation (Latest Edition).

Traffic Control Device - Shall mean a sign, signal, marking, or other device used to regulate, warn, or guide traffic, placed on, over, or adjacent to a street, highway, pedestrian facility, or shared-use path by authority of a public agency having jurisdiction.

Urban Area - Shall mean the area within the boundary as defined by the Federal Highway Administration.

SECTION 2

GENERAL REQUIREMENTS

2-1 PLANS BY AN APPROPRIATE ENGINEER

All plans and specifications for improvements, private and public (including private onsite drainage and grading), which are to be accepted for maintenance by the City shall be prepared by a Consulting Engineer of the appropriate branch of engineering covering the work submitted.

2-2 APPROVED PLANS

Complete plans and specifications for all proposed streets, bikeways, grading, drainage facilities, street lighting, industrial developments, commercial developments, and subdivisions, including any necessary dedications, easements, and rights of entry, shall be submitted to the Engineering Division for approval. This approval must be substantiated by the signature of the City Engineer or his authorized representatives prior to the beginning of construction of any such improvements. The City Engineer or his representative shall order any Contractor to cease work on any project if said Contractor does not have properly approved plans in his possession.

2-3 REFERENCE TO CITY SPECIFICATIONS AND STANDARDS

The General Notes and Special Provisions of all plans shall include the following note:

All construction and materials shall be in accordance with the latest edition of the City of Rocklin Standard Construction Specifications, Improvement Standards and Standard Drawings.

2-4 WORK IN CITY RIGHTS OF WAY, EASEMENTS AND WATERWAYS

Possession of a complete set of City-approved engineered plans and an Encroachment Permit obtained from the Department of Public Services shall allow a contractor duly licensed by the State of California to perform work specified on the plans in City rights of way, easements and waterways. The contractor shall be bonded as required in the City of Rocklin Municipal Code.

In lieu of the above required plans, minor work within City rights of way, easements and waterways may be performed in accordance with the following:

- A. Minor work within street rights of way and easements may be performed with an encroachment permit.

Minor work generally consists of such items as widening or constructing sidewalks adjacent to the existing roadside curb and gutter, constructing driveways in existing curb and gutter, constructing asphalt concrete driveways, installing driveway culverts, regular utility work, and work which requires cutting the road surface.

The encroachment permit shall be issued in accordance with the City of Rocklin Municipal Code Section 12.04.

- B. Work within street rights of way and easements consisting of street light installations and minor work described above may be performed with an encroachment permit.

2-5 IMPROVEMENT PLAN SUBMITTAL

The initial submittal of improvement plans to the Engineering Division shall consist of the following:

- A. Six (6) sets of plans (seven (7) sets if landscaping plans are included) complete and in accordance with these Improvement Standards and the Standard Construction Specifications, along with any required specifications, computation, test data, and other material requested by the City Engineer.
- B. Two copies of the watershed map and drainage calculations in accordance with Section 5.
- C. An itemized opinion of probable costs. The improvements to be included on the estimate are as follows:
 - 1. All public facilities, excluding trunk drainage defined in Section 5. (Public facilities include all improvements within the street right of way and public improvements outside of the right of way which are to be maintained by the City, including but not limited to street lights, traffic signals, and fire hydrants.)
 - 2. All onsite underground storm drainage systems.
 - 3. Earth excavation quantities.
 - 4. Retaining and sound walls.
- D. 50% of the plan check fee in accordance with Section 2-7.
- E. The name, address and telephone number of the developer.
- F. Utility letters in accordance with Section 2-17.
- G. Two copies of the soils report.

Should there be required alterations or revisions to the plans as submitted, the City Engineer will return one copy with the corrections marked or indicated thereon. If the plans submitted are not prepared in accordance with these Improvement Standards and the Standard Construction Specifications or not in

keeping with the standards of the profession, the City Engineer may return them unmarked and unapproved.

2-6 IMPROVEMENT PLAN RESUBMITTAL

Plans being resubmitted shall consist of four (4) complete sets of plans and written response to comments and an updated itemized opinion of probable costs. Plans which involve trunk drainage, as defined by Section 5, shall consist of five (5) sets. Additional sets may be required by the City Engineer.

Plans being resubmitted that contain revisions or alternations other than those required by the City Engineer on previously corrected plans shall require the Consulting engineer to bring those revisions or alternations to the attention of the City Engineer and additional sets may be required.

2-7 PLAN CHECK AND INSPECTION FEE

When improvement plans are initially submitted to the Engineering Division for checking, 50% of the total plan check fee for the development **will** be required as a deposit to initiate checking of the plans.

Should the development not be carried to completion, any portion of the required deposit over and above the accumulated costs expended by the Department on the development will be refunded to the developer. Any city costs incurred over and above the deposit will be charged to the developer.

The Engineering Division shall be notified of any change of billing address.

2-8 PLAN APPROVAL

No plans will be approved nor construction authorized until such time as the City Engineer signifies his approval by his signature on the set of plans. At such time as the Consulting Engineer preparing the plans has made the necessary revisions and paid the remainder of the total plan check and inspection fee, as provided under the provisions of the City Code and amendments thereto, the City Engineer will sign the drawings in the space provided, after the Consulting Engineer has signed them. The City Engineer approval is valid for a period of 12 months. Should work not commence within the 12 month period, the plans shall be resubmitted for re-approval.

2-9 FINAL PLANS REQUIRED

The Consulting Engineer shall deliver the following number of sets of prints from the approved drawings to the City Engineer:

- 2 complete sets of full-size plans.
- 2 complete sets of half-size (11"X17") plans.

Electronic files of complete sets of plans.

One additional set of plans shall be delivered when trunk drainage facilities are shown on the plans. Additional copies of improvement plans may be requested by the City Engineer at his discretion, and these shall be furnished to the City without cost.

2-10 IMPROVEMENT PLAN REVISIONS DURING CONSTRUCTION

Should changes become necessary during construction, the Consulting Engineer shall first obtain the consent of the City Engineer and shall then resubmit the title sheet and the plan sheets affected for approval. The changes on the plans shall be made in the following manner:

- A. The original proposal shall not be eradicated from the plans but shall be lined out. All sheets originally signed by the director shall remain a part of the plan set. Substitution of sheets will be allowed with replacement sheets being numbered as: 7b, 7c, etc.
- B. In the event that eradicating the original proposal is necessary to maintain clarity of the plans, approval must first be obtained from the City Engineer.
- C. The changes shall be clearly shown on the plans with the changes and approval noted on a revision signature block, conforming to the Standard Drawings.
- D. The changes shall be identified by the revision number on a triangle delineated on the plans adjacent to the change and on the revision signature block.
- E. A fee established annually by City Council will be charged to process all revisions.

Minor changes which do not affect the basic design or contract may be made upon the authorization of the, City Engineer but said changes must be shown on "Record Drawing" plans when the contract is completed.

The City Engineer may order changes in the plans in order to complete the necessary facilities. Changes in the plans ordered by the City Engineer shall conform to all of the above.

2-11 RECORD DRAWINGS

The Consulting Engineer shall keep accurate records of all approved deviations from the plans and shall provide 2 sets of plans. The Inspector will compare the submitted plans to his set and provide the Engineer a set of "redline" drawings. The Engineer shall add the Inspector's corrections or deviations to the original plans and submit 2 sets of full-size, 2 sets of half-size, and a CD or USB drive with PDF's. The standard record drawing block will be used and the block will be signed by the consulting engineer on each sheet of the plan set at time of preparation.

2-12 PAD CERTIFICATION

2 sets of full-size, 2 sets of half-size, and a CDF with PDF's certified by the Consulting Engineer of the finished pad elevations of subdivision lots shall be required prior to

issuance of a building permit and final approval of the subdivision improvements. Certification shall be in accordance with Section 9-7. See City Standard Drawing 1-1.

2-13 CONFLICTS, ERRORS AND OMISSIONS

Excepted from approval are any features of the plans that are contrary to, in conflict with, or do not conform to any California State Law, City of Rocklin Municipal Code or Resolution, conditions of approval, or generally accepted good engineering practice, in keeping with the standards of the profession, even though such errors, omissions or conflicts may have been overlooked in the Engineering Division's review of the plans.

2-14 CHANGE IN CONSULTING ENGINEER

If the developer elects to have a registered civil engineer or licensed land surveyor other than the engineer who prepared the plans provide the record drawings, he shall provide the City Engineer in writing the name of the individual or firm one week prior to beginning construction. The Developer shall then be responsible for providing all professional engineering services which may be required during construction, the preparation of revised plans for construction changes, and the preparation of record drawing plans upon completion of the construction.

In the Developer's notification of a change in the firm providing record drawing, he shall acknowledge that he accepts responsibility for design changes and record drawing information as noted above.

2-15 SPMUD AND PCWA SUBMITTALS

The Consulting Engineer shall submit to SPMUD and PCWA for approval and signature on improvement plans of sanitary sewer and water plans, respectfully, for improvements which are within the City of Rocklin prior to the City Engineer's signature on the improvement plans. Both City of Rocklin and Agency approval is required for such plans.

2-16 TUNNEL SAFETY REQUIREMENTS

Any boring or jacking operation of 100 feet or greater length and involving an opening greater than 30" in diameter is subject to the State of California Department of Industrial Relations tunnel safety requirements. The Contractor shall submit to the Department of Industrial Relations plans and specifications applicable to the tunnel operation, with a letter requesting tunnel classification. This procedure is also recommended to avoid project delay if there is the possibility of any personnel entering the tunnel, regardless of diameter and length. The letter should identify the Public Works agency responsible for the project, and the agency's mailing address. The plans shall identify underground utilities and tanks or areas for storing fuel and toxic gases in the vicinity of the tunnel site. The request for classification should be submitted allowing ample time for the Department of Industrial Relations review in order that any special requirements can be included in the project plans and specifications. The Contractor shall also attend the required preconstruction meeting.

2-17 EXISTING UTILITIES All existing utilities are to be shown on the plans. In addition, the Consulting Engineer shall submit prints of the preliminary and approved plans to the utility companies involved. This is necessary for the utilities to properly plan their relocation projects and needed additional facilities. Copies of the transmittal letters to the utility companies shall be provided to the City Engineer. The transmittal letters shall indicate all utility pole conflicts which require relocation. The conflict shall be referenced to stationing and distance from centerline. In addition, the following note shall appear on the first page of the plans: No pavement work will occur within the road right of way prior to completion of utility pole relocation.

2-18 PARTIAL PLANS Where the improvement plans submitted cover only a portion of ultimate development, the plans submitted shall be accompanied by the approved tentative plan or a study plan if there is no approved tentative plan showing topographic features of the ultimate development at an adequate scale to clearly show the proposed improvements.

2-19 OTHER AGENCY NOTIFICATIONS The Contractor is responsible for obtaining the approval and necessary permits of governmental or municipal agencies when their facilities are involved.

2-20 INSPECTION REQUIREMENTS Any improvement constructed to the Standard Construction Specifications for which it is intended that the City will assume maintenance responsibility, shall be inspected during construction by the Construction Inspector. Each phase of construction shall be inspected and approved prior to proceeding to subsequent phases.

Private on-site grading and drainage shall be inspected during construction by the Construction Inspector.

Any improvements constructed without inspection as provided above or constructed contrary to the order or instructions of the City Engineer will be deemed as not complying with Standard Construction Specifications and will not be accepted by City of Rocklin for maintenance purposes.

Within 10 days after receiving the request for final inspection, the Construction Inspector shall inspect the work. The Contractor, Consulting Engineer, and Developer will be notified in writing as to any particular defects or deficiencies to be remedied. The Contractor shall proceed to correct any such defects or deficiencies at the earliest possible date. At such time as the work has been completed, a second inspection shall be made by the Director to determine if the previously mentioned defects have been repaired, altered, and completed in accordance with the plans. At such time as the Construction Inspector approves the work and accepts the work for the City of Rocklin, the Contractor, Consulting Engineer and Developer will be notified in writing as to the date of final approval and acceptance.

On publicly funded districts and projects where the City of Rocklin participates in the costs thereof, quantities will be verified to the satisfaction of the Director, Consulting Engineer, and Contractor, and witnessed accordingly.

SECTION 3

PLAN SHEET REQUIREMENTS

3-1 PAPER DETAILS

All improvement plans shall be prepared on plan and profile sheets 24" x 36", Plate "A" plan and profile paper, or special consulting engineer's sheets which have been accepted by the City. Scales: Horizontal 1" = 20', 40', or 50'; Vertical 1' = 2', 4', or 5', but only the scale, horizontal or vertical, for which the sheet was intended shall be used.

3-2 DRAFTING STANDARDS

Certain drafting standards have become necessary to produce legible film and subsequent prints. All line work must be clear, sharp and heavy. Letters and numerals must be 1/8" minimum height, well-formed and sharp. Numerals showing profile elevations shall not be bisected by station grid lines. Dimension lines shall be terminated by sharp solid arrowheads.

3-3 TITLE SHEET

On subdivision or improvement plans exceeding three sheets in a set, a title sheet shall be prepared showing the following:

- * A. The entire subdivision or parcel and project
- B. Public funded district limits
- C. City limits
- D. Street names and widths
- E. Adjacent subdivisions, including names, lot lines and lot numbers
- F. Property lines
- G. Public easements
- * H. Location map
- I. Scale of drawings
- * J. Index of sheets
- K. Legend of symbols
- * L. Signature block conforming to Standard Drawing 1-1 and situated at the lower right hand corner of the sheet
- M. Earthwork quantities
- N. Assessor's Parcel Number
- O. City Planning Reference Number
- P. Waste Discharger Identification Number (WDID#)

*Shall be shown on the front sheet of encroachment plans and plans consisting of three or less sheets.

3-4 TITLE BLOCK

Each sheet within the set of drawings shall have an approved title block showing the sheet title, number, date, scale, and the Consulting Engineer's name, signature and

license number; City of Rocklin, and the name of the subdivision or public funded district and City Planning Reference Number.

The preferred location is across the right hand end of the sheets. This will facilitate the common method of plan storage by allowing the plan information to be viewed with the plans rolled up.

3-5 DRAINAGE, SEWER, WATER AND GRADING LAYOUT

On all plans, the storm drainage, sanitary sewer and domestic water systems shall be shown on an overall plan layout. In addition, the storm drainage and sanitary sewer systems shall be shown on the street plans. Separate grading plans will be required for all subdivisions. On all other plans, an overall plan layout will not be required but the above facilities shall be shown within the development and on the street plans.

3-6 PLAN DETAILS

In addition to the other requirements of these Improvement Standards, the following details shall be shown on plans submitted for approval. This does not in any way exempt the Consulting Engineer preparing plans from the responsibility of preparing neat, accurate and comprehensive plans in keeping with the standards of the profession.

- A. Right of Way - Right of way lines, the boundaries of lots fronting on the street, drainage easements, utility easements, planting easements, section lines and corners, land grant lines and temporary construction easements, both existing and proposed, shall be shown on the plans. All right of way and easement lines shall be properly dimensioned.
- B. Topography - All pertinent topographic features shall be shown, such as street lines, medians, driveways (on both sides of the street when within 40 ft of the median ending), curbs sidewalks, shoulders, location and size of storm and sanitary sewer lines, high water and frequent inundation levels, water lines, gas lines, telephone conduits, other underground utilities, existing structures, houses, trees (9 in. and larger) and other foliage, traffic signals, street lights and pullboxes, underground electrical conduits, walls, masonry structures, and all other features of the area which may affect the design requirements for the area. When a potential utility conflict exists, record drawing elevations of the utilities shall be verified by the Consulting Engineer.
- C. Contours and Elevations - Existing contours or supporting elevations shall be shown on all plans submitted for subdivision, commercial improvements, or planned unit developments.
- D. Profiles - The plans shall show, when appropriate, the existing profile of all roadway centerline, edges of pavement, curb and gutter flow lines, drainage ditches, storm and sanitary sewers. All profiles of proposed improvements shall state centerline elevations at 50 ft intervals and rate of grades, vertical curves

and other vertical alignment data. When curb and gutters are designed for reconstructed City roads, elevations shall be shown at the edge of the outside travelled way, or if the road has a full paved section, shall also be shown 2 ft from the proposed lip of gutter. Any warped surface and vertical curve shall set elevations at 25' intervals.

The plans shall show the existing ground profile for a minimum distance of 200' beyond temporary street endings to facilitate setting proper vertical alignment within the proposed improvement limits. The 200' minimum shall be increased when requested by the Director.

- E. Stationing and Orientation - The stationing on plan and profile shall read from left of right. Stationing shall increase from south to north or from west to east. Plans shall be so arranged that the north arrow points toward the top or upper 180 degrees, insofar as practical.
- F. Bench Marks - The bench marks and datum shall be clearly delineated on the plans both as to location, description and elevations. For all projects, Consulting Engineers shall contact the City for location and elevation of the nearest and most current official City bench mark information.
- G. California State Plane Coordinate System - The Director may require that the proposed improvements be tied into the California State Plane Coordinate System if monumented coordinate points are available within a reasonable distance (200' or less) of said improvement as determined by the Director.
- H. Typical Sections - A typical section for each type of facility within the improvement, setting out the structural features, shall be a part of the plans.
- I. Cross Sections - Cross sections shall be included in the plans, where determined necessary by the Director. When, in limited areas, unusual topographic features or special conditions occur that would affect the work, individual cross sections may be shown on the pertinent plan sheet.
- J. Special Notes - Special notes shall be clearly indicated, and it shall be conspicuously noted on the plans that all construction work and installations shall conform to the City of Rocklin Standard Construction Specifications and that all work is subject to the approval of the Director. Notes shall contain a statement regarding obtaining encroachment permits from other agencies when applicable.
- K. Project Conditions

3-7 REQUIRED NOTES

A list of City required General Notes shown in the Standard Drawings 1-2 through 1-9 shall be attached to the original drawings for all development plans submitted to the City for approval. In addition to the general notes the Consulting Engineer shall be

responsible for advising the Contractor to give the following notices and have in his possession the following permits and plans:

- A. Contractor shall be in receipt of City approved plans prior to construction.
- B. Contractor shall notify all utility companies involved in the development prior to beginning of work.
- C. Contractor shall notify "Underground Service alert" at 811 (phone 800-227-2600) or through the website at <http://usanorth811.org> 48 hours in advance before any digging.
- D. Contractor shall be responsible for the protection of all existing monuments and/or other survey monuments and shall notify City of Rocklin Department of Public Services of any damaged or removed City, State or Bureau monuments. Contractor shall restore any damaged or destroyed survey markings.
- E. Contractor shall notify Department of Public Services upon application for permit and payment of required fees.
- F. The Contractor shall verify all street names and their correct spelling with the Fire Department and Building Division before ordering street signs.
- G. Contractor shall be responsible for conducting his operation entirely outside of any floodplain boundaries. Floodplain boundaries shall be clearly delineated in the field prior to construction.
- H. Contractor shall be responsible for conducting his operation entirely outside of any no grading area. These areas shall be clearly delineated in the field prior to construction.
- I. Where work is being done in an offsite easement the Contractor shall notify the property owner 48 hours prior to commencing work.

SECTION 4

STREETS

4-1 STREET TYPES

The standard approved street types for City of Rocklin are as follows: (Refer to the Standard Drawings 3-1 through 3-7).

- A. Alley - A street depressed in the center of a right of way and surface width of 20'. An alley will be accepted by City of Rocklin as a public alley only when it is constructed of 6" thick Portland cement concrete, on 4" AB, or 3" AC over 6" AB or per an approved R value in accordance with Standard Drawing 3-21 and with the specific approval of the City Engineer.
- B. 42' Street - A cul-de-sac residential street with a right of way width of 42', a back to back of curb width of 34', and 4' sidewalks. See Standard Drawing 3-1.
- C. 46' Street - A minor residential street with a right of way width of 46' and back to back of curb width of 38' and 4' sidewalks. See Standard Drawing 3-1.
- D. 50' Street - A residential collector street with a right of way width of 50', a back to back of curb width of 42', and 4' sidewalks. See Standard Drawing 3-2.
- E. 60' Street - A residential collector with bike lanes with a right of way width of 60', a back to back of curb width of 52', and 4' sidewalks. See Standard Drawing 3-2.
- F. 60' Street - An Industrial/Commercial street with a right of way width of 60', a back to back of curb width of 48', and 6' sidewalks. See Standard Drawing 3-3.

60' streets are required in commercial and industrial developments and are normally used in the vicinity of parks, schools and other public facilities.

- G. 62' Street - A collector approach street with a right of way width of 62', a back to back of curb width of 54', and 4' sidewalks. See Standard Drawing 3-3.

62' streets shall be used as approach streets providing access onto 80', 90' and 120' streets. The 62' street approach shall be provided for a distance of 180' from the cross street right of way line with a 40 ft taper. See Standard Drawing 3-11.

- H. 66' Street - A collector approach street with a right of way width of 66', a back to back of curb width of 54', and 6' sidewalks. See Standard Drawing 3-3.

66' streets shall be used as approach streets providing access onto 80', 90' and 120' streets. The 66' street approach shall be provided for a distance of 180'

from the cross street right of way line with a 40' taper. See Standard Drawing 3-11.

- I. 80' Street - A minor arterial street with a right of way width of 80', a back to back of curb width of 68', and 6' sidewalks. See Standard Drawing 3-4.
- J. 90' Street - A minor arterial street with a right of way width of 90', a back to back of curb width of 78' and 6' sidewalks. See Standard Drawing 3-4.
- K. 120' Street - A primary arterial street with a right of way width of 120', a back to back of curb width of 104', and 6' sidewalks. See Standard Drawing 3-5.
- L. Partial Street - A street for which the full right of way cannot be dedicated or the complete street cannot be constructed. Partial streets shall be in accordance with Section 4-5.

4-2 STREET CLASS

The standard approved street classes of City of Rocklin are as follows:

Class "A" Streets - Class "A" street improvements shall be in accordance with Standard Drawings 3-1 through 3-5 and shall consist of the following:

- A. "Asphalt" concrete pavement over an aggregate base, and aggregate sub-base as required.
- B. Concrete curb and gutter and sidewalks.
- C. Side slopes not steeper than 1½:1 in cuts or 2:1 in fills, or a reinforced concrete retaining wall beginning at the right-of-way line.

Semi-Rural Semi Rural streets require special approval by City Council. Improvements shall be in accordance with Standard Drawing 3-6 and shall consist of the following:

- A. Asphalt concrete pavement over an aggregate base.
- B. Intersection widening at 80', 90' and 120' streets shall be in accordance with Standard Drawing 3-11.

4-3 STRUCTURAL SECTIONS

The following standards for the design of structural sections for proposed improvements shall govern the preparation of plans for such improvements.

All of the following street sections shall include reinforcing fabric prior to the placement of aggregate base.

- A. It will be required that the pavement be designed on the basis of the resistance R-value as determined in accordance with the State of California, Department of Transportation, California Bearing Ratio, or other approved method.

The thickness of the various structural components will be determined by the tables, charts, formulas and procedures contained in the State Design Manual, or as directed by the Director. Under no circumstances shall the Director approve a structural section design that is less than those specified in this section.

Traffic index shall be determined by the Developer's Engineer for each project, and approved by the Director.

- B. The minimum allowable thickness of roadbed section shall be as follows:
1. 3" asphalt concrete and 8" aggregate base on 42' streets.
 2. 3" asphalt concrete and 8" aggregate base on 46' and 50' streets.
 3. 3" asphalt concrete and 8" aggregate base on 60', 62', to 66' streets.
 4. 4" asphalt concrete, 6" aggregate base and 8" aggregate sub-base on 80', 90' and 120' streets.
 5. The structural section for industrial/commercial streets shall be 4" asphalt concrete and 8" aggregate base unless otherwise specified by the Director.
 6. Class "A" streets, including the shoulders, shall have 3" asphalt concrete, 6" aggregate base structural section.
 7. In transition areas from one street width to another street width, the heavier structural section shall be used in the transition area.
 8. As an alternative to the preceding structural sections, total asphaltic concrete structural sections may be specified to be following minimum thicknesses:
 - a. 6" of asphaltic concrete equals 3" of asphaltic concrete and 6" of aggregate base.
 - b. 6" of asphaltic concrete equals 3" of asphaltic concrete and 6" of aggregate base.
 - c. 9" of asphaltic concrete equals 3" of asphaltic concrete, 6" of aggregate base and 6" of aggregate subbase.

Total asphaltic concrete sections must receive the specific approval of the Director.

4-4 PROFILE STANDARDS

The following standards for the design of profiles for proposed improvements shall govern the preparation of plans for such improvements (see Section 3).

- A. The minimum grade on new streets shall be 0.35% except that the minimum curb and gutter grade around intersection corner roundings shall be 0.50%. Curb and gutter elevations on crest and sag vertical curves shall be adjusted to meet the 0.35% minimum grade.
- B. The maximum grade on new streets shall be 12.0% unless otherwise approved by the City Engineer.
- C. Standard cross slope on new streets shall be 2.0% except where superelevation of a curve is required, then Caltrans manual will be followed.
- D. The minimum cross slope on widening shall be 1.5% and the maximum cross slope shall be 3.0%. The cross slope of the widening shall favor the cross slope of the existing pavement whenever possible.
- E. When two streets intersect, neither street shall have a grade greater than 3.0% for a minimum distance of 40' measured from the curb line of the intersecting street, except in unusually rough terrain, as determined by the City Engineer. The centerline of the lesser intersecting street shall meet the crown slope at the projected lip of the gutter. Crown slope may be reduced to 1.0% within the intersection, if necessary.

The minimum vertical curve length allowable at the intersection of two grades shall be 50' or as determined by the City Engineer. Vertical curves on residential and collector street may be omitted where the algebraic difference in grades does not exceed 2.0%. The minimum vertical curve data to be computed and shown on the plans shall consist of the point of intersection elevation, the tangent gradients, the middle ordinate and the length of curve and the sag or highpoint station and elevation.

- F. The design speed and minimum stopping sight distance over any segment of roadway shall be as follows unless specific approval for a lesser design speed is received from the City Engineer:

<u>Street Type</u>	<u>Recommended Design Speed</u>	<u>Minimum Stopping</u>
42' R/W	25 MPH	150'
46' R/W	30 MPH	250'
50' R/W	30 MPH	300'
60' R/W	40 MPH	300'
62' R/W	40 MPH	300'
66' R/W	40 MPH	300'
80' R/W	50 MPH	430'
90' R/W	55 MPH	500'
120' R/W	60 MPH	500'

4-5 PARTIAL STREETS

Partial streets may be permitted by the City Engineer along the boundary of a subdivision or property of the developer where the full right of way cannot be dedicated or where the complete street cannot be constructed.

Partial streets shall be constructed to a complete geometric and structural section for a minimum paving width specified by the following:

- A. One half ultimate right of way width plus 10' past centerline as required.
- B. When paving partial construction of an ultimate street development, the edges of the current pavement are to be protected by use of 2" x 6" approved headers, construction grade, or by placing a minimum of 1' additional width of aggregate base material beyond the edge of pavement to the grade and depth of the adjacent structural section.

4-6 OFFSET INTERSECTION

Streets intersecting any given street from opposite sides shall have their centerlines meet or the offset between intersections shall be a minimum of 120' for residential streets and at least 150' for all other streets.

4-7 CUL-DE-SAC

Cul-de-sac streets shall be terminated with a bulb which shall have a right of way and back of curb radius dimensions conforming to the Standard Drawing 3-7 and the following:

<u>Approach Street</u>	<u>R/W Radius</u>	<u>Back of Curb Radius</u>
42' street	42'	38'
46' street	46'	42'
50' street	50'	46'
60' street	60'	56'

No cul-de-sac shall exceed 600' in length, unless an emergency vehicle access is provided to the satisfaction of the Fire Chief.

4-8 ELBOW INTERSECTION

Right angle elbow intersections shall be designed in accordance with the Standard Drawing 3-8.

4-9 CENTERLINE RADII

The curve data (delta angle, length, tangent and radius) for all centerline curves shall be computed and shown on the plans.

The minimum radius curve for 42' streets shall be 200'.

The minimum radius curve to 46' and 50' streets shall be 350' with the exception that 50' streets exceeding 1,000' in length and serving as collectors connecting to 80', 90' or 120' streets shall have a minimum radius curve of 500'.

The minimum radius curve for 60', 62' and 66' streets shall be 500'.

The minimum radius curve for 80', 90' and 120' streets shall be 1,000'.

Special consideration by the Director will be given to unusually difficult alignment problems.

4-10 SIGHT DISTANCE AT INTERSECTIONS

Streets shall not be designed with intersections on the inside of curves or at any locations in general where sight distance will be inadequate for drivers to tell if they can safely enter the traffic flow or cross the street, an Exhibit may be required by the City Engineer. Exceptions may be made by the City Engineer for especially difficult design circumstances. In lieu of visibility easements, additional street right of way may be dedicated. Minimum intersection design sight distances standards shall be as follows:

MINIMUM SIGHT DISTANCE

<u>Type Street</u> <u>Being Entered</u>	<u>Recommended</u> <u>Design Speed (MPH)</u>	<u>Minimum Sight Distance*</u>
42' R/W	25 MPH	200'
46' R/W	30 MPH	200'
50' R/W	35 MPH	200'
60' R/W	40 MPH	250'
62' R/W	40 MPH	300'
66' R/W	40 MPH	350'
80' R/W	50 MPH	400'
90' R/W	55 MPH	500'
120' R/W	60 MPH	500'

* Distance measured from an entering driver's eye position to the position of the closest approaching vehicle's far front corner.

The entering driver's eye position shall be assumed 3' to the right of the entering street's centerline and 11' clear of the nearest vehicle lane on the street being entered.

The position of the closest approaching vehicle's far front corner shall be assumed 3' from the edge of the nearest approaching vehicle lane for each direction of travel.

The Standard Drawings 3-12 through 3-14 show details of the areas which must be controlled for adequate intersection sight distance on 80', 90' and 120' streets. Other street types and alignments require individual designs based on the minimum sight distance standards given above.

Visibility easements or additional street right of way shall describe an area to be maintained clear of any and all obstructions to a clear view from the adjacent streets. No sign, hedge, structure, natural growth, fence, or other obstruction of any kind whatsoever to a clear view, higher than 2" and 6" above the nearest pavement surface (or travelled area where no pavement exists) shall be installed or maintained or shall be permitted to be installed or maintained within the easement area.

Additional visibility requirements not subject to the above shall conform to Standard Drawing 3-14.

4-11 RIGHT OF WAY RADII

Minimum right of way radii for intersection corner roundings shall be in accordance with the Standard Drawings and the following:

<u>Street Type</u>	<u>R/W Radius-Minimum</u>
42'	20'
46'	20'
50'	20'

4-12 RIGHT OF WAY WIDTHS

Right of way widths shall be in accordance with these standards for the type of street under consideration, and the Standard Drawings 3-1 through 3-7, or as required by the City Engineer.

In no instance, without specific approval of the City Engineer, shall a street have a right of way width which is less than that of the street for which it is a continuation.

Right of way widths at 80', 90' and 120' street intersections shall be in accordance with the Standard Drawings 3-4 and 3-5 as applicable or as required by the City Engineer.

Right of way widths on a 60' street at sections where the right of way width or the continuation of the street beyond the intersection increases and at intersections that have unusually high traffic volumes shall be widened to a 62' or 66' right of way in accordance with the Standard Drawing 3-3 and as determined by the City Engineer.

4-13 BUS TURNOUTS

Bus stop turnouts shall be required at the intersection of two 80 or 90 ft streets, an 80' or 90' and a 120' street, and two 120' streets in accordance with Standard Drawing 3-10.

Bus turnouts shall be required on 80' or 90' and 120' streets at collector street intersections which have or will need traffic signals as determined by the City Engineer.

Bus stop turnouts may be required at other locations as determined by the City Engineer.

Sidewalks shall be 8 ft wide at bus turnouts as shown on the Standard Drawing 3-10.

4-14 INTERSECTION WIDENING

Pavement widening at intersections shall be in accordance with the Standard Drawing 3-11 and as determined by the City Engineer:

4-15 PARTIAL PAVEMENT WIDENING

Partial pavement widening shall be terminated in accordance with the following:

- A. Partial pavement widening shall be terminated with the end of the pavement perpendicular to the street unless modified below. A 2" x 6" redwood header board shall be required at the pavement ending.
- B. Partial pavement widenings that terminate adjacent to an intersection or driveway shall be tapered 45° to the street if right of way is available.
- C. Partial pavement widenings that terminate a travelled lane shall be tapered 1' per 1' of pavement offset per 5 MPH increment of design speed. The design speed used in determining the taper shall be that given in the table in Section 4-4(F).
- D. Pavement tapers for the termination of partial street widening different from the above may be required by the City Engineer.

4-16 PAVEMENT CORNER RADII

The minimum edge of pavement radii for intersection corner roundings shall be in accordance with the Standard Drawings and the following:

CLASS "A" STREETS

<u>Street Type</u>	<u>E.P. (C&G Lip) Radius</u>
50'	27'
*50'	32'
	32'(4' sidewalks)
	34'(6' sidewalks)

*When two streets of different widths intersect, the radius for the Narrower street shall apply, except that when a 50' street intersects a wider street the radius for the wider street shall apply.

PARTIAL STREETS

All intersection pavement edges on partial streets shall have a minimum radius of 13't.

4-17 DEVELOPER'S PAVEMENT, SIGNAL, AND STREET LIGHT RESPONSIBILITY

The developer shall be responsible for the following:

- A. Where the existing pavement section does not generally meet the current standard and/or the centerline grade and alignment are not satisfactory to the City Engineer, the Developer shall be responsible for the pavement section to the centerline on all streets within, adjacent, and contiguous to his project.

The Developer shall grind and overlay any areas beyond the centerline where the design centerline grade deviates from the existing. The Developer shall also be responsible for overlaying any low areas where the new pavement meets the existing pavement to maintain a uniform cross slope.

The City will pay for any pavement necessary where the full structural section is replaced beyond the centerline if the City Engineer elects to adjust the grade and/or alignment of the existing street.

- B. When making a connection to an existing street end, the Developer shall be responsible for removing and reconstructing up to a maximum of 20 ft of the existing roadway to make a satisfactory connection as required by the City Engineer.
- C. The Developer shall be responsible for all of the structural section and pavement on all new streets within, adjacent, and contiguous to his project. If the street is to be paved under a future City contract, the City Engineer may require a bond or cash deposit for the roadway and related work and include the work in the City contract.
- D. All temporary approaches to the existing roadway required as a result of the development shall be at the Developer's expense. The temporary approaches shall be paved with the structural section to be determined individually for each situation.
- E. The Developer shall be responsible for relocating existing traffic signals and street lights as necessary for new street and driveway locations.
- F. The Developer shall be responsible for constructing curbed median islands when required by the City Engineer if the street is to be paved under a future City

contractor, the City Engineer may require a bond or cash deposit for the roadway and related work and include the work in the City contract.

- G. The Developer shall be responsible for bus turnouts as shown on the Standard Drawings 3-10 and 3-11 and in accordance with Section 4-13 of these Standards.
- H. The Developer shall be responsible for all drainage facilities (bridges, pipes, culverts, and appurtenances) crossing new streets within, adjacent, and contiguous to the project. Section 4-19 states developer responsibility and City participation in drainage facilities on existing improved streets.

4-18 CITY COST PARTICIPATION

With the submittal of improvement plans for checking, the Engineer shall include a letter request for City cooperation in the proposed work if City participation is proposed for the improvement. This application shall show the items of work and the estimated quantities.

The City will notify the Consulting Engineer by letter as to the acceptance and the extent of cooperation.

The Consulting Engineer is to submit the City proposal to the Developer for his approval prior to the final approval of the improvement plans.

Should the Developer not approve the City proposal, time will be allowed for negotiation between the Developer and the City to arrive at a mutually acceptable price or a separate course of action prior to final approval of the improvement plans.

Any portion of work shown on the Consulting Engineer's plans, for which the City has agreed to cooperate, shall not be segregated by note or legend, but shall be included in the general contract. The City will reimburse the Developer for these cooperative items, after acceptance by the City Engineer and final payment of plan check and inspection fees, if these fees were direct billed.

Final quantities will be determined by field measurement, observed jointly by the City Inspector, the Contractor, and the Developer; or his designated agent.

Unit prices prepared for fee and bond calculation and authorized by the City shall be used as a guideline for cooperative work. The City Engineer may negotiate unit or lump sum prices for items not usually encountered, or for unusual field conditions.

4-19 REPLACING CULVERTS

The City will cooperate in the replacement of roadways cross culverts for the same length as the existing culvert as follows (see Section 4-18):

- A. The entire cost for inflowing cross culverts to the property under development that must be replaced.

- B. The entire cost for outflowing cross culverts if the existing culvert is of unsatisfactory size and has unsatisfactory grade.
- C. If the existing outflowing cross culvert is to satisfactory grade but unsatisfactory size, the City will pay for the cost of the pipe only.
- D. If the existing outflowing cross culvert is of satisfactory size, the City will not participate in the cost to replace the culvert.
- E. Major trunk and collector drainage facilities being constructed by agreement with the City will be replaced for the entire right of way width in acceptance with the foregoing and in conformance to these Improvement Standards.

4-20 TRENCHING IN EXISTING PAVED ROADWAYS

Crossings other than perpendicular crossings of existing roadways and all trenching in high traffic locations shall provide for select backfill material and increased structural section depth over the standard for that particular roadway.

4-21 TESTING OF MATERIAL

Testing of materials to be utilized in work performed under the Standard Construction Specifications shall be performed in accordance with the methods of the Laboratory of the State of California, Department of Transportation. Signed copies of the test results, as required, shall be submitted to the City Engineer. Test results shall show clearly the name of the individual and firm performing the tests, as well as the name of the project, the date of sampling, and the date of testing.

The tests indicated in the Standard Construction Specifications will be the minimum required. In large developments or those developments presenting special problems, a more comprehensive and extensive testing program may be required. Such conditions will be evaluated and an appropriate testing program prescribed on an individual basis.

4-22 STREET NAMES

All roads and streets within an improvement shall be named by the owner or subdivider subject to the approval of the City Engineer and the Fire Department. No duplication of names already in use or previously proposed will be permitted. Sound-alike names are not acceptable.

Street name signs shall be furnished and erected by the Contractor. Street name signs shall conform to requirements of the Standard Construction Specifications and these Improvement Standards.

Street names and street name sign locations shall appear on plans submitted for approval. Sign details shall be as shown on the Standard Drawing 3-28.

4-23 STREET SIGN LOCATIONS

Street sign locations shall conform to the following:

- A. Two street name sign installations (with four sign plates on each post) are required at each intersection where on or both of the intersecting streets has a right of way width of 80 ft or greater. At a four-way intersection, the installations shall be located on both far right-hand corners of the intersection relative to the street having the greater right of way width or relative to the more important street if right of way widths are equal.

At a "Tee" intersection, the first installation shall be located on the far right-hand corner of the intersection, relative to the through street, and the second installation shall be located adjacent to the through street at a point in line with the centerline of the terminating street. One sign plate should be omitted from the standard four-plate installation at the "Tee" intersection sign locations where an approach street does not exist.

- B. One street name sign installation (with four sign plates on each post) is required at each intersection where both intersecting streets have a right of way width of less than 80 ft. At a four-way intersection, the installation shall be located on one of the far right-hand corners of the intersection relative to the street having the greater right of way width or relative to the more important street if the right of way widths are equal. At a "Tee" intersection, the installation shall be located on the far right-hand corner relative to the through street.
- C. For highways with frontage roads, the street name sign installations shall be located in the divider strip between the frontage road and the main travelled lanes of the highway. All other requirements shall be as outlined above, except that only one sign will be required (in the divider strip in line with the centerline of the minor street) when there is no opening in the divider strip for access to the main highway.
- D. The Standard Drawings show placement details for street name signs. On streets having a right of way width of 80' or greater, the street name sign installations are to be located adjacent to the more important street, at the end of the curb return. On streets with right of way widths less than 80', the street name sign installations are to be located at the midpoint of the curb return.
- E. Street name signs shall be placed on street light poles wherever possible, in accordance with the Standard Drawings 3-29 and 3-30.

4-24 PERMANENT BARRICADES

Where improvements are temporarily terminated on a street proposed to be extended in the future, the improvements shall include a permanent type barricade at the end of the street extending completely across the right of way to serve as a warning to the public. The barricade shall be constructed, erected, painted, and signed in accordance

with the Standard Drawing 3-25. When necessary, barricades may be lengthened by making the 2" x 12" plank continuous with splicing at the posts.

Gates may be required where streets stub into public park areas or like areas.

Timber barricades with W 31 signs in accordance with the Standard Drawing 3-25 shall be required where partial street widening terminates at the far end of the widening in the direction of traffic.

Sidewalk barricades shall be constructed at the end of sidewalks where pedestrians cannot safely continue beyond the end of the sidewalk. Sidewalk barricades shall conform to the Standard Drawing 3-26.

4-25 TREES

All trees removed from within the ultimate right of way shall be replaced with trees from the approved list. Trees shall not be planted any closer than 6' from the back of sidewalks adjacent to City streets. Where 4' minimum planters are required adjacent to the sidewalks, they may be widened to accommodate the planting of trees. Approved trees for planting in City rights of way and public easements are listed as follows (desired trees not listed may be planted with the approval of the Director):

DECIDUOUS TREES

BOTANICAL NAME	COMMON NAME
Acer platanoides	Norway Maple
Aesculus carnea "Briotii"	Red Horse-Chestnut
Crataegus phaenopyrum	Washington Thorn
Gleditsia triacanthos inermis:	Thornless Honey Locust
"Sunburst" Moraine	
"Imperial" Shademaster	
Koelreuteria paniculata	Golden Rain Tree
Lagerstroemia indica	Crape Myrtle
Liriodendron tulipifera	Tulip Tree
Pistacia chinensis	Chinese Pistache
Prunus:	Flowering Plums and Cherries
Cerasifera "Thundercloud"	
"Krauter-Vesuvius",	
"Atripurpurea"	Cherry Plum Variety
Tilia cordata	Littleleaf Linden

BROAD-LEAVED EVERGREEN TREES

BOTANICAL NAME	Magnolia grandiflora
Ceratonia siliqua	Quercus agrifolia
Cinnamomum camphora	
Laurus nobilis	

COMMON NAME

Carob Tree

Camphor Tree

Ulmus parvifolia

Grecian Laurel

Southern Magnolia

California Coast Live Oak

Chinese Elm

CONIFERS

BOTANICAL NAME

Ginkgo biloba:

"Autumn Gold"

"Fairmont"

COMMON NAME

Maidenhair Tree

Permission to remove any tree in City right of way or easements shall be obtained from the Director in advance.

See Sections 3-6(B), and 9-6 for additional requirements regarding trees.

Right of Way Approved Plant List

BOTANICAL NAME/COMMON NAME	SIZE
TREES	
Quercus lobate/Valley Oak	15 GAL.
Acer rubrum/Red Sunset	15 GAL.
Koelreuteria Bipinnata/Chinese Flame Tree	15 GAL.
Vitex Agnus-Castus/Chaste Tree	15 GAL.
Prunus Serrulata 'Kwanzan'/Japanese Flowering Cherry	15 GAL.
Pyrus Chanticleer	15 GAL.
Quercus Rubra/Red Oak	15 GAL.
Koelreuteria Paniculata/Golden Rain Tree	15 GAL.
Strawberry	15 GAL.
Cedrus Deodara/Deodar Cedar	15 GAL.
Coast Live/Quercus agrifolia	15 GAL.
Acer Rebrum xfreeman Columnar Maple	15 GAL.
Zelkova Serrata/Saw Leaf Zelkova	15 GAL.
Pisacia Chinensis/Chinese Pistache	15 GAL.
Acer Buergeranun/Trident Maple	15 GAL.

4-26 COMMERCIAL, INDUSTRIAL, AND MULTI FAMILY DRIVEWAYS

Driveways shall be in accordance with the following:

- A. No driveway will be allowed within 5' of a side property line on a commercial development. Exceptions may be approved by the City Engineer for joint driveways or in unusual cases.
- B. All commercial and multiple family developments shall install driveways in accordance with the Standard Drawing 3-23 or 3-19 as determined by the City Engineer. The standard multiple family and commercial driveway width shall be 45' on 120', 90' and 80' street, and 35' on streets less than 66' in width. Lesser widths for development on 60' and 50' streets may be approved by the City Engineer. Minimum driveway widths shall be 25'.
- C. The standard driveway for industrial developments shall be as shown on the Standard Drawings 3-19 or 3-23 as determined by the City Engineer.
- D. When driveways are abandoned or relocated, the driveway sections must be removed and replaced with matching curb and gutter, sidewalk and planters.
- E. When street frontage improvements are existing with Type 1A, or Type 2 curb and gutter, driveways shall be installed per Standard Drawing 3-19.
- F. Driveways entering commercial property on all roads shall have a slope not exceeding 5% for a minimum distance of 20', measured from the edge of existing pavement. Driveways normally used by vehicles towing house or boat trailers shall have special requirements to be determined on an individual basis by the Director.
- G. The nearest edge of driveways shall not be closer than 40' to the end of traffic medians. Medians shall be reconstructed and/or lengthened to conform to this section if necessary.
- H. Visibility requirements shall be in accordance with the Standard Drawing 3-14.

4-27 PEDESTRIAN LANES

Pedestrian lanes within a development shall be constructed with a minimum of 6" of Portland cement concrete, Class 'B', if traffic lane, use Class "A" for the full width of the easement.

The maximum grade for pedestrian lanes shall meet the most current ADA guideline design.

Pedestrian lanes, where situated between lots, shall be fenced with chain link fencing from the street right of way to the back lot line. These fences shall be 6' high from the

building setback line to the back lot line and 36" high from the building setback line to the street right of way line.

Cross fencing to control access shall be placed at the street ends of all pedestrian lanes in accordance with the Standard Drawing 3-27.

All pedestrian lanes shall have lighting installed in accordance with Section 8-6(C).

4-28 SIDEWALK RAMPS

Ramps for individuals with disabilities shall be constructed at all street intersections in accordance with the most current State ADA Standards, and at other locations where required by the City Engineer. Any retrofits to existing ramps must comply with the requirements of the California Building Code.

4-29 CURB AND GUTTER

Curb and gutter shall be installed adjacent to all developments in accordance with the Standard Drawing 3-15 and the following:

- A. Type 1A curb and gutter: 42', 46' and 50' streets in residential developments and all developments not included in B or C, or as required by the City Engineer.
- B. Type 2 curb and gutter or valley gutter: Industrial subdivisions. See detail 3-15A
- C. Type 2 curb and gutter: Frontage roads; parks; unfenced schools; open space areas; public facilities; 60', 66', 80', 90' and 120' streets with commercial and multi-family (not duplex) developments.

4-30 BARRIER CURB

Barrier curbs shall be in accordance with these standards and the Standard Drawing 3-15. See Standard Drawing 3-17 for planter and barrier curb details.

4-31 SIDEWALKS

Sidewalks shall be in accordance with these standards and Standard Drawing 3-15.

Where utility poles and other obstructions are situated within streetside sidewalks, a minimum of 4' of clear uninterrupted sidewalk area shall be provided. Where it is necessary to widen the sidewalk beyond its standard width to attain the 4' clearance, the widened area shall extend a minimum of 5' beyond each side of the obstruction and a 10' taper on each side of the widening shall be required.

All school bus turnouts shall have 8' sidewalks along all frontages except fenced play areas where no access is provided, as determined by the City Engineer.

Where sidewalks end in fill areas, the fill shall be extended beyond the end of the sidewalk for a minimum distance of 5'. As an alternate, a cut-off wall may be constructed at the end of the sidewalk.

All sidewalks adjacent to commercial developments shall be 6' wide.

Sidewalks shall be 8' wide at bus turnouts as shown on the Standard Drawing 3-10.
New development shall be responsible to repair existing damaged sidewalk.

4-32 FENCES

The normal location for fences or walls along public streets is at the right of way line, on the private property side or at the edge of the visibility easement required by Section 4-10.

All fences and walls are subject to the visibility requirements of these standards. See Standard Drawing 3-14.

On backup lots adjacent to 80', 90' and 120' streets, fences or walls shall be placed at the property line or outside of and at the edge of the visibility control area shown on Standard Drawings 3-12 and 3-13.

Fences and walls may require modification to accommodate street light poles and/or foundations.

4-33 PRIVATELY OWNED BRIDGES

Bridges intended for the sole use of the occupants of a multifamily type development or any bridge on a private road shall be designed to withstand an H-20 load, unless specifically approved by the City Engineer for a lesser loading. Other design features of the bridge, including but not limited to widths, railings, clearances and materials shall be in conformance with City and State Standards. A soils report prepared by a qualified soils engineer will be required. Design calculations signed by the consulting Engineer and including the registration number shall be required.

4-34 RESIDENTIAL STREET NAME SIGN

See Standard Drawing 3-28

- A. The sign shall consist of two (2) single faced blades per street name.
- B. The sign shall be on an 8" high blade made of .080 gage aluminum with 1/2" radius corners.
- C. Finish shall be high intensity prismatic (HIP) background with electronic cuttable green film sheeting.
- D. All letters and numbers over 2" in height shall have radius corners inside and outside.
- E. The "City of Rocklin" shall be in 1" letters centered across the top of the blade.

- F. The "street name" shall be in 4" upper case letters 3" lower case. (New MUTCD Standard Sec. 2D.43)
- G. The suffix of the street name (Way, Ave., St., Ct., etc.) shall be in 2" letters at the top of the end of the name.
- H. The length of the blades which will be together on one post shall be the same. EXAMPLE: If one street name sign were to require a blade 12" long and the other street name at the intersection were to only require and 8" long blade, both street names would be placed on 12" blades.
- I. Traffic Control Devices. All traffic control devices shall comply with the MUTCD (see definition), unless approved by the Director of Public Services.

4-35 MAJOR STREET INTERSECTIONS STREET NAME SIGNS

Major street intersection street name signs shall be installed at four locations of the intersections. The signs shall be attached where the mast arm meets the pole, using the banding method.

Sign panels shall be aluminum, 18" high, and have green reflectorized sheeting on both sides. Letters shall be series C, 8" upper case and 6 in. lower case and white reflectorized (high intensity) street names shall be on one side of each panel. (New MUTCD Sec. 2D.43)

Streets with different names on the same intersection, the plate shall show the name on both streets on one panel with directional arrow on the plate.

4-36 OVERHEAD STREET NAME SIGNS

12" upper case 9" lower case. (See CA MUTCD Sec. 2D. 43 paragraph 7.)

4-37 TRAFFIC STRIPES AND PAVING MARKINGS

Traffic stripes and pavement markings shall be as shown on the Plans and shall conform to the most recent addition of the City of Rocklin Construction Specifications, Caltrans Specifications, and California MUTCD).

The traffic stripes and pavement markings shall conform to the standards, dimensions and details as specified in the latest edition of the California Manual on Uniform Traffic Control Devices for Streets and Highways (FHWA's MUTCD as amended for use in California).

4-38 PAINTED TRAFFIC STRIPES AND PAVEMENT MARKINGS

Self-sticking traffic marking tape, vinyl or otherwise, developed for such use shall be used for temporary striping as required, unless otherwise shown or specified in the contract.

4-39 PREFORMED TRAFFIC STRIPES AND PAVEMENT MARKINGS

The completed traffic stripes and markings shall have clean, well-defined edges, without deformations and be free of tears or other disfigurements. Improperly placed, defective or disfigured traffic stripes and markings shall, at the Contractor's expense, be immediately removed from the pavement surface by methods approved by the Agency. Completed traffic stripes shall be uniform, straight on tangent alignment and on a true arc on curved alignment.

SECTION 5

DRAINAGE

5-1 GENERAL

Drainage improvements are to include: culverts, drop inlets, lined channels, turf reinforcement matting, manholes, stormwater quality control measures, outlet and inlet structures and storm drain pipe. These improvements shall be installed in accordance with the approved improvement plans, these Construction Standards, the Stormwater Quality Design Manual for the Sacramento and South Placer Regions, the latest edition of the State of California Department of Transportation Standard Specifications and if applicable, the City of Rocklin Post Construction/Low Impact Development Manual. These Standards shall apply to the public right-of-way and easements and private on-site drainage improvements. Several items within this section shall apply to on-site improvements and in conformance to stormwater quality requirements.

The City of Rocklin has also adopted Stormwater quality design standards to reduce water pollution generated by urban runoff. These design standards are detailed in the City of Rocklin Post Construction/Low Impact Development (LID) Manual. This manual is available on-line at the City of Rocklin website: <http://www.rocklin.ca.us/LID>.

The City of Rocklin has also adopted a Post Construction/Low Impact Development (LID) Manual as required by the Regional Water Quality Control Board. This manual is available online at www.rocklin.ca.us/LID.

5-1 (a) DRAINAGE CLASSIFICATION

Drainage systems shall be classified as follows:

- A. Lateral - Drainage conduits receiving drainage from areas of less than 30 acres shall be called a lateral system.
- B. Trunk - Drainage conduits receiving drainage from areas of 30 acres or more shall be called a trunk system.
- C. Onsite Drainage - Drainage facilities required to carry storm runoff within the development, excluding trunk drainage conduits, facilities draining public streets, and facilities draining concentrated flow from other properties.

5-2 DRAINAGE CAPACITY DESIGN

Special provisions must be made within the drainage system to insure that the inlet invert elevations and the capacity of the drainage system will accommodate the ultimate development of the watershed. This shall include the entire upstream watershed, regardless of the existing conditions and shall conform to the Placer County Stormwater Management Manual (PCSWMM).

5-3 DRAINAGE ALIGNMENT DESIGN

The diversion of natural drainage will be allowed only within the limits of the proposed improvement. All natural drainage must enter and leave the improved area at its original horizontal and vertical alignment unless an agreement, approved by the Director, has been executed with the adjoining property owners. See (PCSWMM).

5-4 DRAINAGE PROFILES

A plan and profile shall be shown for all drainage systems which carry natural drainage that originates upstream of the limits of the development. Onsite drainage may be shown in plain view only, unless requested by the Director. See Section 5-12 for extending profiles offsite.

5-5 PIPE RADII CRITERIA

All pipe placed on curves shall meet manufacturer's recommendations for curved alignment. All curves, radii, length of pipe joints, and types of pipe shall be shown on the plans.

5-6 PIPELINE ALIGNMENT REQUIREMENTS

Drainage pipelines shall be located in the street whenever possible. The location of storm drainage pipelines in new streets shall be 6' north or west of and parallel with centerline of the street. All new pipes and channels shall be placed a minimum of 100' from existing and proposed water wells. Meandering and unnecessary angular changes of pipelines shall be avoided. Angular changes when necessary shall not exceed 7.5%

All pipes shall be constructed with a minimum cover of 2' over the top of pipe unless other utilities or grade conditions prohibit. In no case shall minimum pipe cover be less than specified on the Standard Drawings 5-1 and 5-2.

5-6 (a) CONSTRUCTION STAKING

The Developer for all drainage improvements shall provide Construction staking. Such staking shall provide the station and offset, as well as the cut to the nearest hundredth of a foot (0.01 feet). Stakes shall be provided at a minimum of every 50' in tangent sections and every 25' in curved sections. Cut sheets shall be on-site and shall be furnished to the City's Construction Inspector upon request.

5-7 PIPELINE ACCEPTANCE CRITERIA

A mandrel test shall be conducted on all non-rigid storm drain pipes less than 24" in diameter, following completion of subgrade processing and compaction for curb, gutter and sidewalk and prior to placement of asphalt concrete pavement. Placement of curb, gutter and sidewalk and asphalt concrete pavement (and related aggregate base) shall not occur until the Construction Inspector has approved the mandrel test, and who shall be present through the duration of the mandrel testing.

The allowable deflection for all non-rigid pipes shall be 7.5% maximum. The deflection shall be tested by pulling a mandrel which is 92.5% of the inside pipe diameter through all installed pipe. The mandrel shall be the "go/no-go" type and shall be pulled without

mechanical assistance. Prior to the mandrel test, the pipe shall be thoroughly flushed and cleaned. At each location in which the mandrel cannot pass, the cause shall be ascertained. If it is determined that the deflection exceeds 7.5%, that a gasket has been mis-installed or that the pipe has been damaged due to trenching for another utility, the respective section of pipe shall be excavated, replaced using water tight repair couplings, rebedded and backfilled. A passing mandrel retest is required after backfill and subgrade compaction, line and grade have been reestablished.

Any sections of non-rigid pipe not passing the mandrel test shall be televised to ascertain the problem.

Additionally, all diameters of non-rigid storm drain pipe shall be televised to ascertain the integrity of the installed pipe. Any deficiencies noted during the televised inspection shall be reviewed and repaired, as specified for mandrel-tested pipe. A passing televised retest is required after backfill, compaction, and subgrade line and grade have been reestablished.

Pipeline and associated stormwater structures (sand/oil separators, LID units, filters, etc.) shall be flushed and vactored at completion of project and before final acceptance.

Systems shall be flushed and vactored prior to final televised inspection. Televised inspection will not be performed until all manholes and drain inlets are installed and grouted.

5-8 DRAINAGE EASEMENTS

Drainage easement requirements are as follows:

- A. All drainage facilities shall be located in one of the following:
 1. Public street or alley
 2. Public utility easement, specifically dedicated to include drainage facilities
 3. Private or dedicated drainage easement

Drainage easements shall also be required for any drainage water discharging onto offsite private property where that drainage water does not discharge into a continuous pipeline or watercourse. Dedication of easements shall be completed and submitted to the Director for approval.

- B. Closed Conduits - Easements for closed conduits shall meet the following requirements:
 1. Minimum width of 10' with the centerline of the pipe at quarter point; pipe may reverse sides at angle points.

2. Provide access and working space rights.
 3. For pipes exceeding 24" in diameter or trenches exceeding 5' in depth, the easement shall have additional width to provide ample working space as required by the Director.
- C. Open Channels - Easements for open channels shall have sufficient width to contain the open channel with side slopes, fencing where required, and one 15' service road when required by the Director. Suitable ramps must be provided for access to the bottom when bottom is used for maintenance.

5-9 HYDRAULIC DESIGN CRITERIA

- A. Pipe Criteria - Pipe criteria shall be as follows:
1. Minimum pipe diameter allowable on any storm drain shall be 12" except for onsite drainage where the minimum size shall be 8" or as approved by the Director.
 2. Driveway culverts shall be approved by the City for size, grade, alignment and type and shall be shown on improvement plans. See Standard Drawing 3-20. Contractor shall contact City for encroachment permits. Driveway culverts for residential property shall not exceed length necessary for 24' maximum driveway width, and for commercial and industrial shall not exceed length necessary for 45' maximum driveway width.
 3. Minimum velocity in closed conduits shall be 2.0 fps when flowing full.
 4. The profile for closed conduits shall include upstream and downstream profile for a distance of 500' or until an average profile is established.
- B. Cross Culvert Criteria - The design of cross culverts shall be as follows:
1. Cross culvert size shall be determined on the basis of runoff as specified in Placer County Stormwater Management Manual.
 2. Cross culvert profile will be determined by an examination of the overall profile of the channel for a minimum distance of 500' each side of the installation or until an average profile is established.
- C. Open Channels - Open channels shall consist of concrete lined channels, asphalt concrete lined bottom channels, grouted cobble lined bottom channels or natural earth channels.

Criteria for open channels shall be as follows:

1. Minimum and maximum velocities for open channels shall conform to the Placer County Stormwater Management Manual.
 2. Freeboard requirements shall conform to the Placer County Stormwater Management Manual.
- D. Design Computation - The design computation for drainage shall include the following information which shall be submitted before the plans will be accepted for checking.
1. Watershed map.
 2. Drainage area in acres.
 3. The flow rate cubic feet per second (cfs) in each pipe or channel reach.
 4. Invert elevations of each pipe or channel reach.
 5. Top of structure elevation or top of channel lining elevation.
 6. Hydraulic grade line elevation.
 7. Hydraulic gradient.
 8. Pipe, size, class, length and gradient. Items 6 and 7 are not required when design is based on hydraulic grade line inside conduit.
 9. Channel dimensions and water surface profile computations.
 10. Show all proposed 100 year overland release points.
- E. Hydraulic Grade Line - Hydraulic grade line shall be a minimum of 0.50 ft below the elevation of inlet grates and manhole covers of all structures of the upstream system.

Hydraulic grade line shall be shown on the pipe systems when the hydraulic grade line is above the top of the pipe.

5-10 DRAINAGE STRUCTURES

Drainage structure criteria shall be as follows:

- A. Closed Conduits - The requirements for closed conduits are as follows:
1. Closed conduits shall be either cast-in-place concrete pipe, precast reinforced concrete pipe, vitrified clay pipe, or HDPE or PVC as defined in the

Standard Construction Specifications with exception of HDPE which shall conform to State Specifications 64-1.

2. The specific type of pipe or alternate pipes to be used in the development shall be shown on the plans.
3. Cover requirements are shown on the Standard Drawings 5-1 and 5-2. At locations where the minimum cover requirements cannot feasibly be obtained, the conduit will be either encased in concrete or provided with a concrete cover or other method of pipe protection as specified by the City Engineer.

B. Manholes - Requirements for manholes are as follows:

1. Standard precast concrete or saddle type manholes shall be located at junction points, angle points greater than 15°, changes in gradient, and changes in conduit size. When cases arise where special manholes or junction boxes are required, the design must be approved by the Director.
2. Spacing of manholes, or junction boxes of such size as to be enterable for maintenance, shall not exceed 400' for drains 24" and smaller in diameter and 600' for pipes greater than 24" in diameter, except under special approved conditions. The spacing of manholes shall be nearly equal whenever possible.
3. All manholes and junction boxes other than inlets shall have standard manhole covers as shown in the Standard Drawing. Manhole covers greater than 24" shall have 2 piece lids. Manholes will not be allowed in the gutter flow line.
4. A reinforced concrete flat top as shown on the Standard Drawing 4-8 shall be required when the depth does not permit use of a taper unit.
5. Slotted manhole covers may be used to pick up minor drainage in non-traffic areas, including onsite drainage on residential lots.
6. Water quality treatment structures, or Low Impact Development (LID) measures, shall be provided onsite prior to connection with public drainage system or prior to the final point of discharge to the City Engineer's satisfaction.

C. Manholes - Installation

1. Bases Precast: Precast bases shall be placed on a foundation of 1/2" or 3/4" minus crushed rock, a minimum of 4" thick, compacted to ninety percent (90%) relative compaction. Elevation differentials of inlets and outlets shall

conform to the approved improvement plans. Openings in the base shall align true with all inlet and outlet pipes. Stub-out or couplings provided in precast bases shall be of the same material as the pipe to which they connect, unless otherwise approved by the City's Construction Inspector.

2. Bases Cast-in-Place: The cast-in-place base portion shall not be placed higher than 6" above the outside tops of the main incoming and outgoing pipes. Precast manhole penetrations will be cored and booted for appropriate pipe size.

The wall thicknesses for the top of the cast-in-place base sections shall conform to the following table:

Manhole Diameter	Minimum Wall Thickness
48"	5"
60"	6"
72"	7"
84"	8"
96"	9"

Inside diameters of cast-in-place base portions shall equal the inside diameter of the manhole specified. Standard precast manhole riser sections and/or cones shall be placed above cast-in-place section to bring the manhole rim to finish grade. Upon pouring the concrete base, the top surface of the cast-in-place base barrel shall be stamped with a rigid impression ring in order to match it up with the above, precast barrel section. As an alternate, a maximum 1' barrel section may be stacked when it is determined that the concrete for the base is adequately stiff.

A 24-hour minimum curing time is required before manhole stacking is allowed.

All inlets and outlets with a 30" inside diameter or smaller, connecting to existing manholes, shall be core bored.

Concrete in the cast-in-place portion shall be placed against undisturbed earth or upon a base of crushed rock or sand. All loose material shall be removed from the excavation prior to installation.

3. Cones: Cone tops shall be placed within seven to eighteen inches (7"-18") of final street grade. Where depth is insufficient for cones, flat slab tops shall be used. Lifting rings in precast cones shall be plugged with dry packed mortar.

4. Joints: Joints in precast manhole sections shall be made with mortar and plastic sealing compound.
 - a. Mortar Application – All joint surfaces and the face of the manhole base should be thoroughly cleaned and wetted before applying mortar. Both the inside and outside of mortared joints shall be plastered with mortar, and the inside surfaces brushed to a smooth finish with a wet brush. Special precautions shall be taken to ensure that the entire joint space is filled with mortar and is water tight.
 - b. Plastic Sealing Compound Application – All joint surfaces and the face of the manhole base shall be thoroughly cleaned before applying plastic sealing compound. The sealing compound shall be protected from dirt during application. Ends of the compound shall be joined end-to-end and not joined by overlapping. Sufficient compound shall be used to cause a visual “squeeze-out” of the compound material when adjacent sections are seated.

Squeeze-out material on the inside of the manhole shall be neatly trimmed flush with the inside surface.
5. Connections: Pipe connections to drainage manholes shall be made so that the pipe is flush with the inside face of the manhole. These connections shall be finished so that entrances are smooth. Unless the manhole is cast around the pipe, connections shall be made with dry packed cement mortar. Pipe connections shall not be made into the cone section of the manhole unless shown on the approved plans.
6. Grade Rings: Grade adjustments shall be made using precast grade rings. Precast rings shall be a minimum of 2” in height. The total height of the grade rings, frame and cover casting shall not exceed 18”. If connections are booted they need to be grouted or mortared smooth.
7. Frames and Covers: The tops of frames and covers shall be set 1/8” below finish grade pavement in the street and 6” above finish grade in landscape areas and 12” in unimproved, isolated areas unless otherwise shown on the approved plans. Per the Construction Standard Details, a 12” x 12” wide concrete collar shall be placed around the casting, covered by 2” of asphalt concrete paving in a street area. The concrete collar shall be in conformance to “Minor Concrete” section. All joints between the frame, grade rings, dome, barrels and base shall be sealed with non-shrink mortar or an approved plastic sealing material. Inside the manhole, all joints where the sealing material is not flush with the inside wall shall be grouted with non-shrink mortar and finished/wetbrushed. Frames and Covers shall all be of American made steel.

8. Adjusting Existing Manhole Frames: The frame shall be supported above the grade ring or dome by spacers or by suspending with timber and wires. After the concrete collar is poured, any space between the frame and grade ring and dome shall be filled with non-shrink mortar and the inside of the riser finished/wet-brushed.
9. Compaction: Compaction around storm drain manholes shall conform to Standard Drawing 5-1 and 5-3.

D. Drop Inlets - Requirements for drop inlets are as follows:

1. Inlets shall be placed so that the length of flow in the gutter does not exceed 500'. The depth of flow in the gutter at the inlet shall not exceed 0.35', as determined by the charts on the Standard Drawings 4-6 and 4-7. The runoff flow used to check the depth shall include any flow that may bypass upstream grates. Special grates to prevent bypass may be required by the City Engineer.
2. Inlets at sag points where bypass flow from upstream grates is possible shall be Type B. The outfall pipe from the inlet shall be sized to accommodate the design runoff taking into consideration bypass flow from upstream inlets.
3. Type B inlets shall be used on all arterial streets including commercial and industrial areas.
4. Type F inlets shall be used in unimproved medians, and may be used in roadside ditches away from driveway locations.
5. Drop inlets in streets shall be placed at lot lines in residential subdivisions, except at intersections where they shall be placed at the beginning or end of the curb return.
6. The maximum area draining into one inlet shall be 2 acres for onsite systems.

All inlets for onsite use that are not shown in the Improvement Standards shall be clearly dimensioned on the plans. All grates shall be designed to provide adequate safety for automobile traffic, bicycles and pedestrians.

7. Type A or B inlets may be used as junction boxes. When used as junction boxes where pipe is changing directions, the inside dimension requirements for junction boxes shall be met. Inlets shall not be used as junction boxes in sag points.
8. Drop inlets draining public streets may be connected directly to a collector or trunk line 36" in diameter or larger by means of a lateral not exceeding

15" in diameter and 20' in length and having a slope not exceeding 30%. At sag points the drop inlets shall be connected to a manhole.

9. All drop inlets over 48" in overall height will be reinforced with #4 rebar at 8" O.C.

E. Junction Boxes - The requirements for junction boxes are as follows:

1. Junction boxes shall be constructed of reinforced concrete or fabricated from reinforced concrete pipe sections where size limitations permit, except when standard inlets are used as junction boxes as specified in Section 5-10(C)8.
2. Minimum wall thickness for reinforced concrete junction boxes shall be 6".
3. The inside dimension of junction boxes shall be such as to provide a minimum of 3" clearance on the outside diameter of the largest pipe in each face. All junction boxes shall be rectangular in shape unless otherwise approved by the City Engineer. Junction boxes deeper than 4' shall have a minimum dimension of 48".

F. Headwalls, Wingwalls, Endwalls, Trash Racks and Railings - The requirements for these facilities are as follows:

1. All headwalls, wingwalls, and endwalls shall be considered individually and shall be, in general, designed in accordance with the Standards and Specifications of the California Department of Transportation.
2. Trash racks will be provided to prevent clogging of culverts and storm drains and eliminate hazards. The trash racks shall be designed in conformance to the design shown in the Standard Drawings 4-15 and 4-16. Temporary trash racks will be allowed where pipe will be extended in the near future, at the discretion of the City of Engineer.
3. On cross culvert drains, pre-formed end sections conforming to the California Transportation Standard Specification 70-5 and California Transportation Standard Plans D94A and D94B.
4. Metal beam guard rail, chain link or wrought iron fencing may be required by the Director at culverts, headwalls and box culverts and on steep side slopes. When so required, the railing shall be installed in accordance with the Standard Construction Specifications.

G. Cross Culverts - The requirements for cross culverts shall be as follows:

1. Cross culverts may be of reinforced concrete pipe or SDR-35 pipe meeting the requirements of the Standard Construction Specifications and the following criteria.
2. When specified by the City Engineer, reinforced concrete box culverts or structural plate arch culverts shall be installed.
3. Crossings of major creeks may require special aesthetic considerations as determined by the City Engineer.
4. Crossings of major creeks shall be designed for 100-year storm event and shall not raise the upstream water by more than 0.5" the current FEMA regulations.

H. Water quality elements per NPDES requirements.

5-11 TEMPORARY DRAINAGE DIVERSIONS

The requirements for temporary drainage diversions are as follows:

- A. Temporary drainage diversions, such as dams and pipe plugs, shall be located and constructed in such a fashion as to permit their removal during adverse weather.
- B. Locations and removal procedures for temporary drainage installations shall be approved by Public Services, and these installations shall be removed when necessary to prevent damage to adjoining property.

5-12 CHANNELS AND OUTFALL DESIGN

The design of channels and outfalls shall be as follows:

- A. Open Channels - Requirements for open channels are as follows:
 1. Drainage may be conducted through an improvement in open channels under the following criteria and if approved by the City Engineer.
 - a. The quantity of flow is such that it will exceed the capacity of a 72" pipe.
 - b. The outfall point is such an elevation that minimum cover cannot be obtained over the pipe.
 2. All channels to be reconstructed shall be built to a typical cross section as approved by the City Engineer.

Fully lined and bottom lined channels shall have a minimum bottom width of 6' and shall have an access ramp for maintenance equipment.

3. For all channels, either realigned or natural, the following items shall be shown on improved plans in addition to information heretofore required.
 - a. Typical sections and cross sections.
 - b. Profile of the existing channel and top of bank profile for a minimum of 50' each side of the development in order to establish an average profile grade through the development.
 4. All open channels to be maintained by the City shall require the recordation of a drainage easement.
- B. Interceptor Ditches - Interceptor ditches or approved alternates shall be placed at the top of the cut or bank where deemed necessary by the City Engineer to prevent erosion of the channel bank.
- C. Upstream and Downstream Profiles - The requirements for these profiles are as follows:
1. All drainage outfalls shall be shown both in plan and profile on the improvement plans until a definite "daylight" condition is established.

All drainage ditches upstream of the improvement shall be shown on the plans and profile until an average profile grade through the improvement is established.

The profiles shall include ditch flowline and top of bank elevations.
 2. When improvements have more than one unit, the drainage outfall shall be shown as extending to the property boundary, and beyond if required, although it may not be constructed with the current unit development. All temporary outfalls shall be shown both in plan and profile on the improvement plans.
- D. Detention and Retention Basins - If detention or retention basins are required for peak flow reduction, the design of the basin must conform to the latest addition of the Placer County Flood Control District's Stormwater Management Manual. The basin layout and design shall minimize its maintenance time and cost. The basin should be designed to allow for the two (2) year storm event flows to bypass the basin. This will be key factor in the approval of the basin's O&M Plan by the Engineering Division.
- E. Access for Maintenance - These facilities may include, but are not limited to bridges, culverts, headwalls, lined and unlined channels/ditches, sand/oil separators, manholes, retention basins and drain inlets. The access way shall be a minimum of 12' wide and include 6" of 3/4" aggregate basis (95% relative

compaction) over 6" of processed, native soil (95% RC). Upon the City Engineer's request, 4" of asphalt concrete shall be added to the section and/or a cul-de-sac with a minimum diameter of 75'. Changes/additions to the plans resulting from the City Engineer's review shall be integrated and included in a subsequent plan check submittal for the Engineering Division's consideration.

5-13 PIPE INSTALLATION

All drainage improvements shall conform to the following requirements:

- A. Excavation: Pipeline excavation shall be open-cut trenches, unless otherwise specified on the approved improvement plans. All excavations shall adhere to all applicable Federal and State safety requirements. All work shall be conducted in such a manner as to prevent damage to new and existing facilities or adjoining property.

Wherever the trench bottom is unstable, the area shall be excavated and an adequate amount of 1/2" or 3/4" crushed rock shall be compacted in place to provide a stable base for the pipe. Pipe bedding material, per approved plans, will be placed on top of stabilized trench bottom.

- B. Trench Width: A minimum clearance of 6" shall be maintained between the pipe and the trench wall for reinforced concrete pipe and ductile iron pipe. See Detail TB-2 for trench widths for non-rigid pipe.
- C. Pipe Bedding - Pipes shall be placed on a firm bed of imported granular material conforming to Standard Drawing 5-1 and 5-3. Unless unstable pipe bedding subgrade needs to be removed, pipe bedding shall only be placed on native, undisturbed soil. Prior to placing pipe bedding, the trench bottom shall be free of any loose material.
- D. Laying Pipe: The pipe shall be laid up-stream with the bell end of the pipe placed up-stream. The interior of the pipe shall be kept clean as the work progresses. There shall not be a change in pipe material between storm drain structures.
1. Handling, Laying and Backfill of polyvinyl Chloride (PVC), High Density Polyethylene Pipe (HDPE) and Steel Reinforced High Density Polyethylene Pipe (SRHDPE) – the pipe shall be handled in accordance with the manufacturer's published recommendations. Laying and backfill shall conform to the most current Caltrans Standard Specifications, the manufacturer's recommendations, and ASTM D-2321 Standard Practice, with the following modifications:
 - a. Due to the lightweight characteristic of the pipe, extreme care shall be taken to avoid displacing the pipe during the backfilling operation. Following placement of the pipe on the required bedding and to the required grade, the pipe shall be stabilized in place with ballast. At a minimum, this shall be accomplished by loading the pipe down slowly and carefully with small piles of embedment material to a minimum of 1' above the pipe on each joint and midway on each length. The pipe shall be kept centered in the trench during this operation. Every precaution shall be taken to avoid flooding the trench prior to placing backfill. The City's Construction Inspector may require dewatering

the trench to confirm pipe grade and to retest the integrity of the pipe following trench flooding.

- b. The trench shall be backfilled with embedment material 6" – 12" above the pipe, prior to continuing with the trench backfill.
 - c. Pipe material shall not change between manhole structures or between the last structure and the discharge/inlet opening.
 - d. The pipe run between the last structure and the discharge/inlet opening shall be reinforced concrete. Pipe stub runs from storm drain mains into commercial sites shall also be reinforced concrete.
 - e. No pipe, conduit or any other appurtenance shall be located within any existing or newly constructed storm drainpipe or culvert. Each run of storm drainpipe and culvert shall also be 100% and unobstructed the total length.
- E. Non Rigid (PVC/HDPE/SRHDPE) Pipe Testing: A mandrel test shall be conducted following completion of subgrade processing and compaction for curb gutter and sidewalk and asphalt concrete pavement. Placement of curb, gutter and sidewalk and asphalt concrete pavement (and related aggregate base) shall not occur until the Public Works Inspector has approved the mandrel test. The City's Construction Inspector shall be present through the duration of the mandrel testing.

The allowable deflection (reduction in vertical inside diameter) for all non-rigid pipes shall be seven and a half percent (7.5%) maximum. The deflection shall be tested by pulling a mandrel which is ninety-two and a half percent (92.5%) of the inside pipe diameter through all installed pipe. The mandrel shall be on the "go/no-go" type and shall be pulled per the manufacturer's recommendations without mechanical assistance. Prior to the mandrel test, the pipe shall be thoroughly flushed and cleaned (see Subsection "J" below). Obstacles in the pipe shall be removed. At each location in which the mandrel cannot pass, the cause shall be ascertained. If it is found the deflection exceeds seven and a half percent (7.5%) or that a gasket has been mis-installed or that the pipe has been damaged due to construction activities, then the respective section of pipe shall be repaired and retested. Pipe section repair operations may require rebidding pipe, replacing pipe, or both as needed to properly repair pipe section. Watertight repair couplings shall be used in repair. A passing mandrel retest is required.

At the Contractor's discretion, any sections of non-rigid pipe not passing the mandrel test may be televised to evaluate the problem.

- F. Pipe Laying Tolerances: The pipes shall be laid true to line and grade with allowed tolerances of 0.03' above or below the design grade and 0.10' left or right of the design alignment.
- G. Trench Backfill: Initial backfill material shall be placed immediately after pipe joints have been completed, inspected and passed by the City's Construction Inspector.

The material shall be carefully placed so as not to disturb or damage the pipe and shall be brought up evenly on both sides. Trench backfill will be placed in accordance with these Construction Standards.

- H. Cast-in-Place Concrete Pipe: Cast-in-place concrete pipe shall conform to provisions in Section 63 of the Caltrans Standard Specifications. Where excavations for other utilities undermine installed cast-in-place pipe, that excavation shall be backfilled to the spring line of the cast-in-place pipe with two-sack slurry per these Standards.
- I. Pavement Cutting and Repaving: When the trench line is in an existing pavement area, the pavement shall be sawed or scored and broken ahead of trenching operations.

The proper tools and equipment shall be used in marking and removal of the pavement such that it is cut accurately to a neat and parallel line on either side of the trench width required, in conformance with the Trench Cut Ordinance. All cuts in Portland cement concrete pavements shall be saw cut with equipment approved by the City's Construction Inspector. See "Trench Backfill" section of these Standards.

- J. Cleaning of Storm Drain System: The storm drain system shall be cleaned to the satisfaction of the City's Construction Inspector upon completion. If flushing is utilized, then the discharge shall not be routed into the existing City system. The downstream manhole shall be plugged and the discharge fluid shall be disposed of in a manner satisfactory to the City's Construction Inspector. Flushing shall comply with requirements of these Standards.

5-14 CHANNEL LINING INSTALLATIONS

Channel lining installations shall conform to Construction Standard 4-13, 4-14 and 4-17 and to the following specifications:

- A. Surface Preparation: The surfaces of the areas to be lined shall be evenly graded to the lines and grade and sections as indicated on the approved plans. The surfaces shall be moistened thoroughly to prevent moisture from being drawn from the freshly placed lining.

All surfaces on which lining is to be placed shall be free from water, mud and debris and shall be firm enough to prevent contamination of the fresh lining by earth or other foreign material. Prior to placing any lining, the Contractor shall verify line and grade of the excavated channel.

B. Reinforcement: Welded wire fabric shall be embedded in the concrete so that it will be a minimum of 1" clear from either face of the concrete, unless otherwise noted.

C. Joints:

1. Construction Joints: Shall be square and edged with a 1/4" radius-edging tool. The edge shall be thoroughly wetted before the next section of lining is placed. Construction joints shall be constructed whenever the operation is halted for a period exceeding thirty (30) minutes. Welded wire fabric reinforcing shall extend through the construction joint.

2. Deep Tool Joints: Transverse deep tool joints shall be constructed at ten (10) foot intervals. The aggregate shall be separated with the joint tool a minimum of 2" deep. Immediately following application of the deep tool, a 1/4" grooving tool shall be applied to the surface to seal the joint.

D. Weep Holes: On channels with side lining extending more than 18" vertically above the channel toe, weep holes shall be constructed at intervals of 10', midway between contraction joints on each side of the channel. The weep hole elevation shall be 12" above the adjacent toe of slope.

The holes shall be backed by a minimum of one (1) cubic foot of aggregate material tied in a burlap bag.

The aggregate shall extend at least 6" above and below and to each side of the weep hole and at least 10" into the side slope. The side and back of the burlap sack shall be protected from being coated by mortar or concrete during the lining placing operation.

On the day following the lining placement, each weep hole shall be rodded to assure it has not been blocked. The weep hole shall then be cut to fit the channel slope.

E. Cutoff Walls: Cutoff walls shall be constructed around the perimeter at each end of the channel lining and at all locations where the new lining meets structures or existing lining and at all other locations shown on the approved plans. The cutoff walls shall be a minimum of 6" thick and 18" in depth, as measured from the surface of the lining. The welded wire fabric shall be bent down into the cutoff walls.

- F. Geotextile Lining: Geotextile Linings shall follow the manufacturer's recommendations for preparation of soil, seed bedding, blanket orientation, anchoring details and appropriate seed blend and application rates.

5-15 ABANDONING STORM DRAINS

In newer construction, storm drain stubs and services to be abandoned shall be either removed to the main or manhole of origin or filled solid with concrete slurry, at the discretion of the City Engineer. Abandonment of existing storm drain stubs shall be removed or left in place as directed by the City's Construction Inspector and/or as shown on the approved plans.

SECTION 6

DOMESTIC WATER SUPPLY SYSTEM

6-1 INTRODUCTION

Design of water facilities shall conform to the requirements set forth in the PCWA Improvement Standards Technical Provisions and Standard Drawings, "Latest Edition" and the following provisions.

6-2 WATER SUPPLY QUALITY

The quality of the water shall conform to the Environmental Protection Agency Drinking Water Regulations.

6-3 WATER SUPPLY PRESSURE

Normal operating pressures of not less than 35 psi nor more than 100 psi shall be maintained at service connections to the distribution system, except that during periods of peak domestic and fire demand, the pressure shall not be less than 20 psi.

6-4 REQUIRED FIRE FLOWS

For areas of the general types noted below, the indicated fire flows are to be provided with the initial development. Expansion or change in zoning of the development shall be subject to requirements of the Insurance Services office.

- A. Residential Area - For residential areas having primarily one story single family dwellings, on average size lots, provide a minimum 1,000 gallons per minute.
- B. Commercial, Planned Unit Developments, and Multiple Dwelling Areas including apartments and light commercial structures, provide minimum 2,000 gallons per minute.
- C. Principal Business Districts, Industrial, and Other Individual High Value Buildings, Consult the Guide for Determination of Required Fire Flow of the Insurance Services Office.

6-5 DISTRIBUTION SYSTEM LAYOUT REQUIREMENTS

The water system layout requirements are as follows:

- A. Main Location - All water mains shall be installed within public rights of way or easements.
 - 1. The preferable location shall be 3' from the curb and gutter on the northerly or westerly side of the street. If it should be necessary because of existing improvements or possible conflict with other utilities, the mains shall be installed within an easement immediately adjacent to and behind the property line fronting on the public right of way.

2. If it is necessary to install a water main within a private road, the easement shall be the width of the paving plus 1' each side.
 3. Ten feet shall be the minimum horizontal distance between parallel water and sanitary sewer lines and the water main shall be higher than the sewer. On crossings, the water line shall be at least 12" above the sewer line.
 4. When crossing a sanitary sewer force main, it shall be specified that the water main be installed a minimum of 3' above the sewer line and be of cast iron, or ductile iron. The protection shall extend at least 5' on each side of the force main.
- B. Valves, Hydrants, and Blow-offs - The distribution system shall be equipped with a sufficient number of valves so that no single shut-down will result in shutting down a transmission main, or necessitate the removal from service of a length of pipe greater than 500' in school, commercial, industrial, or multiple family dwelling areas or greater than 800' in other districts. In no case shall more than two fire hydrants be removed from service. The valves shall be so located that any section of main can be shut down without going to more than three locations to close valves. Valves shall preferable be located at street intersections, 3' into the pavement from the curb and gutter where possible. If it is necessary to install valves between street intersections, they shall be located on property lines between lots. Fire hydrants and blow-off assemblies shall be located as follows:
1. Fire hydrants shall be of wet barrel type and shall be placed at street intersections wherever possible, and located to minimize the hazard of damage by traffic. They shall have a maximum normal spacing of 500' measured along the street frontage. Hydrants located at intersections shall be installed at the curb return. All others shall be located on property lines between lots.
 2. Not more than two hydrants shall be placed on a 6" main between intersecting lines and not more than three hydrants on an 8" main between intersecting lines. The minimum size main serving a fire hydrant shall be 6" in diameter. The pipeline connecting the hydrant and the main shall be 6", with a gate valve installed near the main.

SECTION 7

SANITARY SEWER DESIGN

Design of sewer facilities shall conform to the requirements set forth in the South Placer Municipal Utility District Standard Specifications and Improvement Standards "Latest Edition".

SECTION 8

STREET LIGHTS

8-1 STREET LIGHTS REQUIRED

Street lights shall be required for all lots and parcels being developed or constructed upon. In addition, street lights may be required for lots and parcels containing existing structures which are being improved or altered, depending on the nature and extent of the work. Illustrations of street lights generally required are shown on the Standard Drawing 7-2. Street lights shall only be energized after City acceptance of the installation.

8-2 DEVELOPER'S RESPONSIBILITY

Existing street lights which must be relocated or repositioned as a result of the construction of new streets or driveways into a development shall be the responsibility of the developer.

The Contractor installing the street lighting system shall give the City of Rocklin or its' Inspector, a minimum of twenty-four (24) hours' notice prior to performing any work on the project. All work installed without inspection will be rejected.

8-3 MAINTENANCE DISTRICT ANNEXATION REQUIREMENT

All developments other than subdivisions which contain street light installations shall complete and submit to the Director an agreement petitioning the City Council to annex the property to the City of Rocklin Street Lighting Maintenance District. The City will provide Annexation Agreement forms, upon request.

8-4 GENERAL PLAN DETAILS

The plans shall show and identify all street lights to be installed, all existing lights in the immediate vicinity of the project, and all applicable provisions and details specified in these standards. On subdivision plans, the street lights shall be shown on a separate sheet and shall be included in the improvement plans.

8-5 DESIGN STANDARDS

Street lighting shall be designed in conformance with these standards, the current edition of the City of Rocklin Standard Construction Specifications, Pacific Gas and Electric, and the "American National Standard Practice for Roadway Lighting" of the American Standards Institute, except that the average horizontal maintained foot candles for the various street classifications shall be as shown in the Standard Drawing 7-17.

8-6 STREET LIGHT DESIGN DETAILS

Design details for street lights are as follows:

- A. Intersections - All intersections shall conform to the Standard Drawing 7-1.

- B. Cul-de-sacs Bulbs - All cul-de-sacs exceeding 130' in length, measured from the street light location at the intersection to the right-of-way line at the end of the cul-de-sac, shall have a street light within the bulb. The location of the street light within the bulb shall conform to the Standard Drawing 7-2.
- C. Pedestrian Lanes - Street Lights shall be placed at both ends of pedestrian lanes.
- D. Spacing - Maximum street light spacing, measured along the street centerline, shall conform to the Standard Drawing 7-1.
- E. Street Light Poles
 1. All street lights on thoroughfares, arterials, collector approach to arterials, and commercial/industrial roadways shall be type "A" and shall be Philips Lumec SSM8V-30-1P-BKTX with Arm Bracket MM1A-BKTX-LMS33718D and fixture DMS50-80W48LED4K-R-LE3S-120-BKTX or as approved by the Director.
 2. Street lights on all other roadways shall be type "B" and shall be Philips Lumec AM6W-16-BKTX with Arm Bracket MM-1A-BKTX and fixture DMS50-55W48LED4K-R-ACDR-LE3A-120-BKTX or as approved by the Director.
 3. The position of the street light poles shall conform to the Standard Drawing 7-1 & 7-2. Streetlight spacing shall be staggered and located at property lines when possible. Street light designs utilizing one side, median or opposite configurations shall be approved by the Director.
 4. Street lights shall be numbered according to the City's sequential numbering system. Street Light numbers shall conform to the requirements of Standard Drawings 7- 13 to 7- 16. Contact Public Services Department for street light numbers.
 5. Streetlight pole heights shall conform to the requirements of Standard Plan 7- 9. Alternate pole heights shall be approved by the Director.
 6. Streetlight mast arm lengths shall conform to the requirements of Standard Plan 7- 10. Alternate mast arm lengths shall be approved by the Director.
 7. The concrete footing requirements shall conform to the requirements of Street Light Standard Plans 7-3 & 7-4.
 8. The base leveling requirements shall conform to the requirements of Street Light Standard Plan 7-12.
- F. Luminaries - The type of street light and the appropriate wattage shall be specified on the plans. The luminaries shall be LED type with internal driver. All

luminaries shall conform to the standards outlined in the Construction Specifications.

The light pattern for each luminaire shall be specified on the plans. The light pattern for each luminaire shall be obtained from the Standard Drawing 7-18.

1. All street light all be designed for 120-volt service unless connecting to an existing system. The maximum allowable line voltage variation shall be $\pm 5\%$. Line voltage variation shall be shown on the plans.

Cobra Style Street lights - LED Leotek Model GC1, wattage based on appropriate light calculations or City approved equal.

Post Top Street lights - LED General Electric Salem series or Philips Hadco, Philips Independence or an approved equal.

2. A service pedestal shall be required for all improvements requiring three or more street lights. The service pedestal shall conform to the requirements of Standard Plan 7-8, 7-8A and 7-8C. The service pedestal shall open towards the street.

G. Service - All street light systems shall have underground service provided. Service points shall be provided within a utility easement immediately adjacent to or within the right-of-way and shall be open and easily accessible to the street frontage. Utility (PG&E) point of connection shall be NO MORE THAN 5' from any service pedestal.

H. Pull boxes

1. Except as noted, a number 3 ½ or number 5 concrete pull box shall meet the provisions of Section 86 of the most recent edition of the California Standard Specifications and Standard Plan. The pull box shall be installed within the concrete cap and installed per Drawings 7-5 and 7-6.
2. Pull boxes shall not be more than 250' apart on long runs. Pull boxes shall not be placed where they will be subject to vehicular traffic or in curb ramps. Exceptions shall require approval of the Director.
3. Except as noted, all pull box covers shall be inscribed with "Street Lighting" and be secured with 3/8" bolts, cap screws, or studs, and nuts which meet the provisions of Section 86 of the most recent edition of the California Standard Specifications and Standard Plans.

I. Wiring

1. The wiring for the electrolier shall conform to the requirements of Streetlight Standard Drawing 7-20.
2. Except as noted, all wiring methods and equipment construction shall conform to the National Electric Code (N.E.C.) and applicable sections of the most recent edition of the California Standard Specifications.
3. All field connections and splices shall comply with Section 86 of the most recent of the California Standard Specifications and shall be full circle compression connectors with heat-shrink tubing insulation or Method B. Splices shall conform to the most recent edition of the California Standard Plans. Splices will only be permitted in grounded pull boxes or inside the light pole. All splices and terminal lugs shall be soldered by the hot iron, pouring or dipping method. Open flame soldering will not be permitted.
4. Unless authorized otherwise, all wiring shall be THW AWG. Copper only. For wire sizes #8 insulated and larger, wire shall be stranded copper. For wire sizes #10 and smaller, wire shall be solid copper. Unless otherwise specified, all wiring shall be of the following sizes.
 - a. All field wiring shall be #8 minimum.
 - b. Ground wire shall be #8 minimum solid.
 - c. All wire in pole: #10 minimum.
 - d. All wire to be connected to PG&E facilities shall be # \emptyset 1 minimum.
5. Conductor and wiring schedule shall be shown on the plans.

J. Photoelectric Control - The photoelectric control shall be a Dark To Light (DTL) D120-1.0-S or an approved equal. All photoelectric controls shall be oriented to the north. For group controlled street lights, the photoelectric control shall be located in the service pedestal. All photoelectric controls shall conform to the following:

1. Photoelectric control must meet or exceed all requirements of ANSI C136.10-1996.
2. Line voltage operating range is 105 to 130 VAC at 60 Hz.
3. Load rating shall be 1,000 Watts tungsten 1800VA ballast.
4. Turn ON shall be 1.5 ± 0.3 foot-candles at 120 VAC.

5. Turn OFF shall be 1.5 times the turn ON.
6. Photocontrol shall have a sealed cadmium sulfide light sensor.
7. Photocontrol shall have instantaneous turn ON and 3 to 5 second turn OFF delay.
8. Cover of photo control shall be constructed of UV resistant material. Impact resistance shall be greater than 1.0 foot-pounds from -40° C to $+65^{\circ}$ C.
9. Control shall be capable of withstanding a drop of 3 feet to a concrete floor without causing damage to the housing or changing the electrical operation.
10. Plug blades shall be brass which plug into an NEMA twist-lock receptacle integral with the luminaire.
11. Surge protection shall be a metal oxide varistor (MOV) of at least 160 joules wired line to neutral.
12. The following shall appear on the base: month and year of manufacture; individual serial numbers; complete model description; operating voltage range; load rating; and provision for marking installation and removal dates. Year of manufacture shall be permanently molded on cover.
13. Contact "chatter" on opening of contacts (turn OFF of Control) shall not exceed 5 milliseconds.

K. Conduit

1. All conduit to be used shall be a minimum of 2" diameter, schedule 40 PVC. Exception shall be one and 1 1/2" from pole base to box per Drawing 7-4 and 7-5. Conduit shall have a 2-foot minimum cover from the top of conduit to the finished grade of the sidewalk, parkway, or roadway.
2. Steel conduit shall not be used without the prior approval of the Director. All steel conduit and other metal parts, including bonding bushing, shall be N.E.C. approved parts and shall be continuously bonded and grounded per N.E.C. requirements.
3. All bends and/or offsets shall be made with factory sections using approved couplers per N.E.C. requirements.
4. All empty conduits shall have a #10 green solid copper wire inside and sealed with a duct seal, approved by the Director, on both ends of the conduit.

5. The ends of all conduits installed in a service pedestal shall be sealed with a duct seal approved by the Director. Conduits stubbed for future extension shall be capped.
 6. Prior to placement of conduit, a bed of clean sand, a minimum of 2" thick, shall be placed in the trench. A minimum of a 4" thick layer of clean sand shall be placed over the conduit prior to backfill with additional material.
 7. All interconnect conduits shall have a #10 THW solid conductor, either green or purple in color installed, whether empty for future use, or with a cable installed. All conduits in all pull boxes, services, and controllers, shall be sealed with an approved sealant. All loop detector installations shall be sealed hot melt sealant. Asphaltic emulsion sealant will not be allowed.
 8. All service pedestals shall be installed at the back of the sidewalk per Drawing 7-7.
- L. Prior to installation, the Contractor shall submit to the Inspector one (1) copy of manufacturer's literature, and laboratory technical data for the following items:
1. Streetlight Poles
 2. Luminaires
 3. Mast Arms
 4. Photoelectric control
- M. Telecommunication
1. Telecommunication Conduit - Developer shall install telecommunication conduit within the Public Utility Easement of each street (Public or Private). The conduit shall be of 2" diameter PVC schedule 40 or with continuous #10 Green solid copper wire.

A #5 telecommunication pull box will be supplied and installed for each and every lot and shall conform to the requirements of the most recent edition of the California Standard. One pull box may be installed at a property line to service 2 lots. In the event of a long run, the maximum distance between pull boxes shall not exceed 250', and be installed at a property line, or end of radius. All pull boxes to be installed Per Drawing 7-5 & 7-6.
 3. Spacing - Pull boxes shall be 250' apart.
 4. Pull box covers shall be inscribed with "telecommunication cable" and secured with 3/8" bolt or cap screws.

- N. Sidewalk Replacement - Concrete sidewalk to be installed, or replaced, adjacent to existing curb or sidewalk, shall be performed in the following manner:
1. 3/4" holes will be drilled in the adjacent curb and/or sidewalk at approximately a five degree (5°) down angle with a minimum of two holes for each curb or sidewalk surface.
 2. Spacing shall be a maximum of 6" from the existing concrete surface, and a maximum spacing of 2'.
 3. A #4 rebar, 16" long, will be installed in the hole.
 4. An approved two part epoxy will be provided to secure the rebar into the existing concrete.

SECTION 9

GRADING

9-1 INTRODUCTION

The City's authority to regulate grading on private property varies depending on the property's location. For properties located within specific plan areas of the City, the authority is provided by the zoning ordinance for the specific plan area. For properties which are not located within a specific plan area, the City's authority for regulating grading is provided by the City's Grading, Erosion and Sediment Control Ordinance and Chapter 33 and 18 of the California Building Code (CBC). The CBC requires that a Grading Permit be obtained from the City prior to beginning any grading work unless the work meets certain exemptions specified in the CBC. This is necessary to ensure that on-site drainage adequately accommodated, off-site drainage is conveyed through the project, the proposed grading is compatible with adjacent property topography and adequate erosion and sedimentation control measures are addressed.

This section specifies design and plan submittal requirements of grading Plans for private developments. It includes items pertinent for the City's review and reflects established professional engineering practice for preparation of Grading Plans. Questions and clarifications regarding this Section should be directed to the Engineering Division.

The City of Rocklin has adopted Stormwater quality design standards to reduce water pollution generated by urban runoff. These design standards are detailed in the Stormwater Quality Design Manual for the Sacramento and South Placer Regions and the City of Rocklin Post Construction/Low Impact Development Manual.

9-2 PLAN SHEET DETAILS

In addition to the requirements of Section 3, the following items shall be included on grading plans:

- A. Slope symbols for 3:1 slopes or steeper.
- B. Ridge and/or valley delineation.
- C. Typical lot grading details.
- D. Proposed spot and/or pad elevations.
- E. Flow directional arrows (offsite, around perimeter of development when adjacent to developed areas) and perimeter elevations at the property line.
- F. Existing spot elevations and/or contour lines onsite and offsite around perimeter of development. Where the existing terrain is not relatively flat, contour lines shall be mandatory. The spot elevations or contour lines shall be extended

offsite for a minimum distance of 50' (flat terrain-100' minimum) when adjacent to undeveloped areas. Contour lines shall be in maximum increments of 2'.

- G. Existing trees (variety, size and elevation at base of all oak trees 9" diameter or larger).
- H. Retaining wall details (symbols, construction details and limits).
- I. Back of sidewalk elevations.
- J. Storm drainage system.
- K. Typical sections across side yard property lines where the difference in finish pad elevations exceeds 2'. Delineated on the section shall be the side yard drainage swale and the minimum distance between the proposed building and the side yard property line.
- L. Names of adjacent subdivisions.
- M. Offsite intersecting property lines.
- N. Signature block for certification of pad elevations by Consulting Engineer (subdivisions only). Standard Drawing 1-1.
- O. For all export projects:

If export is offsite within Rocklin a separate grading plan showing area and route shall be approved by the Director (or their designee).

Location of spoiled disposal area on or off site within the City of Rocklin shall be as specified below:

1. Spoil slopes to be 3:1 or flatter.
2. Finish spoil heights to be less than 3'.
3. No spoil within 5' of property lines.
4. Spoil shall not block drainage patterns.
5. Spoil shall be levelled prior to acceptance of project.
6. Silt retention and erosion control details as necessary and specified in these Design Standards.

7. Location of temporary protective fencing for environmentally sensitive areas such as: creeks, wetlands, vernal pools, perennial streams and preserve areas.

P. Excavation and embankment earthwork quantities shall be shown on the plans.

9-3 **BOUNDARY GRADING**

Special attention shall be given to grading adjacent to the exterior perimeter property line of a development. All adverse effects to offsite properties adjacent to new developments shall be reduced to an absolute minimum. Fills and cuts adjacent to the exterior perimeter property line shall be designed in accordance with the following:

- A. Fills - Fills in excess of 1, shall not be allowed without adequate justification and approval by the Director. All fill material shall achieve 90% relative compaction certified by a registered Geotechnical Engineer.

When fills are unavoidable, they shall conform to the Standard Drawing 2-1 and shall be constructed in the following manner.

1. If possible, fill slopes shall be constructed offsite, with the property line being situated at the top of the fill.
 2. A notarized right-of-entry shall be required for all offsite fills. The following note shall be placed on the plans: Right of Entry obtained from (name) on (date). If a right-of-entry cannot be obtained, a retaining wall shall be placed as near to the property line as practicable.
 3. In lieu of offsite slopes, retaining walls, 5:1 slopes or flatter, or combinations thereof may be utilized onsite.
- B. Cuts - Cuts shall be constructed in accordance with the Standard Drawing 2-2, except that the slope setback from the property line to the slope hinge point shall be a minimum of 2' for all slopes steeper than 5:1.
 - C. Fences - When fences are required, they shall be placed on the property line. The height of a fence shall be measured from the highest ground adjacent to the fence, regardless of the side that is developing.

9-4 **INTERIOR GRADING**

Differences in elevations across interior property lines within a development, such that slopes or retaining walls are required, shall conform to the Standard Drawing 2-2 and the following:

- A. Property Lines - Property lines shall be situated at the top of fill and cut slopes. It is desirable that surface flow does not drain onto new slopes steeper than 5:1.

Grading shall be such that surface runoff will not be concentrated at the top of slopes, but will be allowed to sheet flow down the slopes.

Property lines shall be situated at the top sides of retaining walls with a minimum setback of 1' from the property line to the retaining wall. See Standard Drawing 2-3.

- B. Slopes - earth slopes allowed shall be 2:1 or flatter (horizontal to vertical). Steeper slopes may be accepted based on Soils Engineer's recommendations. Minimum asphalt concrete surface slopes shall be 1% and minimum cement concrete slopes shall be 0.25%. All proposed slopes shall be shown on the plans by some type of slope symbol delineation.
- C. Interior Grading - Differences in elevations across interior property lines within a development, such that slopes or retaining walls are required, shall conform to the following:
 1. Cross lot drainage is not allowed unless specifically approved by the City Engineer for tree preservation. All single-family residential lots shall have Class 1 grading as per the Standard Drawings unless approved otherwise by the City Engineer. When a Class 2 or Class 3 lot grading plan is proposed as part of a tentative map application for a single-family residential subdivision, the tentative grading plan showing rear lot drains shall be supplemented with an alternative plan showing the effect on the subdivision if rear lot drains are not utilized.
 2. Retaining Walls shall be required whenever adjacent side lot elevations differ by more than 1 ½'. In such cases, a minimum 3' wide walk path shall be maintained adjacent to all side property lines. Where the Consulting Engineer feels that this path will be maintained without the use of a retaining wall, application for a waiver may be made by preparing and submitting a site plan scale on 8 ½" x 11" reproducible paper for each lot which is requested to be exempted, or by submitting a standard Lot Grading and Setback Guarantee. The Lot Grading and Setback Guarantee shall specify which lots for which a waiver of the retaining wall requirement is requested, shall state the minimum setback of the proposed structure from the toe of slope, and shall state that should the minimum setback **not be possible during construction, a retaining wall shall be constructed** to the requirements of these Design Standards. Upon approval, a copy of these will be given to the Building Division to utilize in their review. Any deviation to these plans will be subject to the approval of the Engineering Division.
 3. Property lines shall be situated a minimum of 1' inside the stop of fill or cut slopes when pad elevations differ by 1/2' or less. When retaining walls are used, the property lines shall be situated on the high side of the retaining wall with a minimum setback of 1.0' from the property line to the retaining

wall. Where pad elevations differ by more than 1/2' and waiver of placement of retaining walls is required per the requirements stated above, property lines shall be situated a minimum of 2.0' inside the stop of fill or cut slopes.

4. The maximum earth slopes allowed shall be 2:1 (horizontal to vertical). Minimum asphalt concrete surface slopes shall be one percent (1%) and minimum concrete cement surface slopes shall be one-quarter percent (0.25%). All proposed slopes that are 3:1 or steeper shall be shown on the plans by some type of slope symbol delineation.
5. Lots on the low side of streets at sag points shall have pad elevations a minimum of 1' above the 100-year water surface elevation assuming failure of all subsurface drainage systems.

9-5 RETAINING WALLS

Retaining walls, including limits, heights and construction details shall be shown on the development plans. Design calculations signed by the Consulting Engineer and including the registration number shall be required for all walls exceeding 30" in height or when a fence is an integral part of the wall. Any retaining wall greater than 4' from the bottom of the footing to the top of the wall will require a building permit.

Redwood retaining walls shall conform to the Standard Drawing 2-3 as a minimum design. When fences are to be constructed atop redwood retaining walls, 6" x 6" posts at 4' centers shall be used. All 6" x 6" posts shall extend above the retaining wall and act as fence posts. Alternate designs meeting UBC standards will be considered.

Wood retaining walls shall not be allowed adjacent to street rights of way.

All retaining walls on commercial and multifamily developments placed at the property line and exceeding 2' in height shall be either concrete or masonry.

Grading shall be such that onsite runoff, other than side slope areas, will not flow over wood retaining walls.

Where pads on adjacent lots are 10' apart and the difference in elevation exceeds 2.5', a retaining wall will be required per Standard Drawing 2-3.

9-6 GRADING AT TREES

Grading at trees shall be done per the City of Rocklin most current tree preservation ordinance. No person shall conduct any activity within the Protected Zone of a Native Oak tree or Landmark Tree without approval of a Grading Permit issued conformance with the Tree Permit Conditions. Great care must be exercised when work is conducted upon or around Protected Trees. The purpose of this section is to define procedures necessary to protect the health of the Protected Trees. The policies and procedures described in this section apply to all encroachments into the Protected Zone of

Protected Trees. All Tree Permits shall be deemed to incorporate the provisions of this section except as the Tree Permit may otherwise specifically provide.

A. General

1. Trenching within the Protected Zone of a Protected Tree when permitted, may only be conducted with hand tools in order to avoid root damage
2. Minor roots less the 1" in diameter may be cut, but damaged roots shall be traced back and cleanly cut behind any split, cracked or damaged trees.
3. Major roots over 1" in diameter may not be cut without approval of an Arborist. Depending upon the type of improvement being proposed, bridging techniques or a new site design may need to be employed to protect the root and the tree.
4. If any Native Ground Surface Fabric within the Protected Zone must be removed for any reason, it must be protected within forty-eight (48) hours.
5. An independent low-flow irrigation system may be used for establishing drought-tolerant plants within the Protected Zone of a Protected Tree. Irrigation shall be gradually reduced and discontinued after two (2) years.
6. Planting Live material under Native Oak Trees is generally discouraged and it will not be permitted within 6' of the trunk of a Native Oak Tree with a DBH of 18" or less, or within 10' of the trunk of a Native Oak Tree with a DBH of more than 18". Only drought-tolerant plants will be permitted within the Protected Zone of Native Oak Trees.
7. A minimum of 4' high protective fence shall be installed at the outermost edge of the Protected Zone of each Protected Tree or group of Protected Trees. The fence shall not be removed until written authorization is received from the Planning Director. Exceptions to this policy may occur in cases where Protected Trees are located on slopes that will not be graded. However, approval must be obtained from the Planning Department to omit fences in any area of the project. The fences must be installed in accordance with the approved fencing plan prior to the commencement of any grading operations or such other time as determined by the approving body. The Developer shall call the Planning Department and Engineering Division for an inspection of the fencing prior to grading operations.

Signs must be installed on the fence in four (4) locations (equidistant) around each individual Protected Tree. The size of each sign must be a minimum of 2' x 2' and must contain the following language:

WARNING:**THIS FENCE SHALL NOT BE REMOVED
OR RELOCATED WITHOUT WRITTEN
AUTHORIZATION FROM THE
PLANNING DEPARTMENT**

8. Once approval has been obtained, the fences must remain in place throughout the entire construction period and may not be removed without obtaining written authorization from the Planning Department.
9. A minimum of \$10,000 deposit, or amount deemed necessary by the approving body, shall be posted and maintained to insure the preservation of Protected Trees during construction. The deposit shall be posted in a form approved by the City Attorney prior to any grading or movement of heavy equipment onto the site or issuance of any permits. Each violation of any Tree Permit condition regarding Tree Preservation shall result in forfeiture of a portion of the deposit, at the discretion of the approving body.
10. In cases where a Tree Permit has been approved for construction of a retaining wall(s) within the Protected Zone of a Protected Tree, the Developer will be required to provide for immediate protection of exposed roots from moisture loss during the time prior to completion of the wall. The retaining wall shall be construction within seventy-two (72) hours after completion of the grading.
11. If required, preservation devices such as aeration systems, Oak Tree wells, drains, special paving and cabling systems must be installed per approved plans and certified by the Developer's Arborist.
12. Every effort should be made to avoid cut and/or fill slopes within or in the vicinity of the Protected Zone of any tree.
13. No grade changes are permitted which cause water to drain to within twice the longest radius of the Protected Zone of any Protected Tree.
14. Certification letters are required for all regulated activity conducted within the Protected Zone of Protected Trees. The Developer's Arborist will be required to submit a certification letter to the Planning Department within five (5) working days of completion of such regulated activity attesting that all of the work was conducted in accordance with the appropriate permits and requirements of this section.
15. The following information must be located and permanently retained in the construction trailer starting at the site planning meeting:
 - a. Arborist's report and all future modifications

- b. Tree location map with a copy of the tree fencing plan
- c. Tree permit and inspection card
- d. Approved Construction Plans
- e. Tree Preservation guidelines
- f. Approved Planting and Irrigation Drawings

B. Tree Permit Construction Phase

1. All work conducted within the Protected Zone of any Protected Tree shall be performed as required by this section and as required in project approval.
2. As a condition of the Tree Permit, the Developer will be required to submit a utility trenching-pathway plan for approval following approval of the project Improvement Plans. The trenching-pathway plan shall depict all of the following systems: storm drains, sewers, easements, water mains, area drains and underground utilities. Except in lot sale subdivisions, the trenching-pathway plan must show all lateral lines serving buildings. To be completely effective, the trenching-pathway plan must include the surveyed locations of all Protected Trees on the project as well as an accurate plotting of the Protected Zone of each Protected Tree.

The trenching-pathway plan should be developed considering the following general guidelines:

- a. The trenching-pathway plan must be developed to avoid going into the Protected Zone of any Protected Tree on its path from the street to the building.
- b. Where it is impossible to avoid encroachment, the design must minimize the extent of such encroachment. Encroachments and mitigation measures must be addressed in supplemental Arborist's reports.
- c. In some cases where utilities conflict with tree roots, the Contractor/Developer may have to bore per Engineer's request to avoid major root damage.

All of the tree preservation measures required by the conditions of the discretionary project approval, the Arborist's report and the Tree Permit, as applicable, shall be completed and certified by the Developer's Arborists prior to issuing an Occupancy Permit.

9-7 CERTIFYING PAD ELEVATIONS

Upon completion of the grading and prior to acceptance of the subdivision improvements by the City, the Consulting Engineer shall verify the final pad elevations.

The elevations shall be verified at the center and the corners of each pad. Elevation deviations or more than 0.20' shall be noted on the drawings.

A signature block, certifying that final graded elevations in the field are the same as those shown on the plans, shall be included on the drawings of the subdivision grading plans. The Consulting Engineer shall sign the signature block, certifying to the above, and shall provide one set of reproducible and two sets of record drawing grading plans to the Director. See City Standard Drawing 1-1.

9-8 ROUGH GRADING PLAN REQUIREMENTS

Grading Plans for subdivisions and all developments located within Planned Development zones shall conform to the same requirements as those specified for Finished Grading Plans excepting the following:

- A. Improvements - Only existing improvements such as utilities, curbs, gutters, etc. shall be shown. Utilities and streets to be constructed with the Improvement Plans shall not be shown as part of the Rough Grading Plans. Retaining walls can be included in the rough grading plans.
- B. Drainage - All rough plans shall provide for positive surface drainage flow except in those instances provided on the plans for erosion and/or sedimentation control.

9-9 ROLLING TERRAIN GRADING

Grading of rolling terrain shall be accomplished in a manner whereby the effect of the rolling terrain is maintained as close to that which exists, to the extent practicable. Every effort shall be made to keep grading of rolling terrain to an absolute minimum.

9-10 STORMWATER POLLUTION PREVENTION PLAN (SWPPP)

A site specific SWPPP shall be submitted concurrently with the Improvement and /or Grading Plans when a project disturbs an area more than 1 acre. For information concerning the preparation of a SWPPP, the Project Engineer should refer to the California Stormwater Quality Association (CASQA). "Stormwater BMP Handbook / Construction", and the State of California NPDES General Permit for Stormwater Discharges Associated with Construction and Land Disturbance Activities.

The SWPPP shall match identically to that of the SWPPP submitted to the State Water Resources Control Board via their electronic SMART system, up until the time improvement plans are approved, encroachment and/or grading permits are issued, and construction commences.

SWPPPs are not required for projects under one acre, unless they are part of a larger development encompassing over one acre. For projects less than one-acre, an erosion and sediment control plan shall be submitted with the improvement plans to the City for approval. This is generally part of the Grading Plan for the development. The Engineering Division will accept the erosion and sediment control plan upon review of

the project. All erosion and sediment control devices shall be identified and implemented in the same fashion as projects with SWPPPs over one acre. Enforcement will be conducted similarly, with exception to SWPPP administrative requirements.

- A. Criteria - The purpose of the SWPPP is to ensure protection of the following:
1. Water Quality - Measures shall be provided to prevent siltation of streams, rivers, etc.; avert in stream degradation due to turbidity and pollutant load; and prevent toxic materials from leaving construction sites.
 2. Collection System - Methods shall be provided to prevent sediment from entering the storm drainage system.
 3. Adjacent Properties - Methods shall be employed to prevent any damage to adjacent properties.
- B. SWPPP Site Plan Requirements - SWPPP site plan(s) shall be submitted along with other SWPPP State permit required documents.

The discharger shall ensure that the SWPPP for the project site is developed and amended or revised by a Qualified SWPPP Developer (QSD). The SWPPP shall be designed to address the following:

1. All pollutants and their sources, including sources of sediment associated with construction, construction site erosion and all other activities associated with construction activity are controlled;
2. Where not otherwise required to be under Regional Water Board permit, all non-stormwater discharges are identified and either eliminated, controlled, or treated;
3. Site BMP's are effective and result in the reduction or elimination of pollutants in stormwater discharges and authorized non-stormwater discharges from construction activity to the BAT/BCT standard;
4. Calculations and design details as well as BMP controls for site run-on are complete and correct, and
5. Stabilization BMP's installed to reduce or eliminate pollutants after construction are completed.
6. Phasing of Erosion Control Measures - The Engineering Division may require phasing of the SWPPP plan(s) to ensure that all necessary erosion control measures are taken during separate phases of construction. As an example, this may require the Developer to construct sediment traps and basins during the first phase of grading operation.

7. To demonstrate compliance with requirements of the SWPPP, the QSD shall include information in the SWPPP that supports the rational used in selecting BMP's including supporting soil loss calculations, if necessary, conclusions, selections, use, and maintenance of BMP's
 8. The discharger shall make the SWPPP available at the construction site during working hours while construction is occurring and shall be made available upon request by State or City inspectors. When the original SWPPP is retained by a crew member in a construction vehicle and is not currently at the construction site, current copies of the BMP's and map/drawing will be left with the field crew and the original SWPPP shall be made available via request by radio/telephone.
- C. SWPPP Control Measures Requirements - The following is a list of requirements for erosion and sediment control measures, also referred to as BMPs (Best Management Practices). The following erosion and sediment control requirements shall be part of site specific SWPPP.
1. All sediment control measures (drain inlet protection, perimeter protection, stabilized construction access, etc.) shall be implemented prior to the commencement of grading operations or other construction activities or as approved by the City Engineer. Grading during the wet season should be minimized.
 2. An adequate supply of erosion and sediment control materials (fiber rolls, blankets, mats, straw bales, silt fencing, etc.) shall be stored onsite throughout the course of construction and made available for maintenance and repair work.
 3. Straw, when used, shall be broadcasted, or hand distributed, at a rate of 4000 pounds per acre. Straw shall be anchored to soil surface by "punching", "pressing", or by tacking down using a tackifier.
 4. Slopes steeper than 4:1 and adjacent to the City right-of-way, flood plains, natural drainages, park land or designated open space shall be broadcast seeded and covered with a blanket material grade appropriate to the steepness and length of the slope. Alternative methods shall be approved by the Engineering Division.
 5. All areas of disturbed soil, regardless of slope, shall be protected for erosion control. For measures approved by the City for erosion control, see the California Stormwater Quality Association (CASQA) "Stormwater BMP Handbook/Construction" and the State of California NPDES General Permit for Stormwater Discharges Associated with Construction and Land Disturbance Activities.

6. Where required, broadcast seed shall be applied as follows:

Blando Brome 12lbs/acre
 Rose Clover 9lbs/acre

Areas with sandy, dry soil shall be:

Zorro Annual Fescue 2lbs/acre
 Rose Clover 9 lbs/acre

16-20-0 fertilizer or equivalent shall be applied at the rate of 500 pounds per acre. If hydro-seeding/mulching is used, seed quantities shall be increased by 30 percent.

For areas adjacent to City designated open space, perennial streams, creeks, or environmentally sensitive areas, native seeds shall be used. Approved seed blends are listed below. Seed blends and proposed alternate seed blends shall be Submitted to the stormwater or construction inspector for approval prior to application.

Dry Mix

Botanical Name (Common Name)	Ecotype/Origin	Approximate Live Seeds/Bulk Lb.	Approximate Live Seeds/Sq. Foot	Bulk Lb./Acre
Nassella pulchra (purple needlegrass)	Yolo County: Stone Ranch	50,000	14.9	13.00
Nassella cernua (nodding needlegrass)	Tehama County: Inks Creek	115,000	15.8	6.00
Bromus carinatus (California brome)	Amador County: Sierra Nevada	47,000	5.4	5.00
Poa secunda (one sided bluegrass)	Yolo County: Fiske Creek	500,000	11.5	1.00
Vulpia microstachys (three weeks fescue)	Yolo County: Fiske Creek	350,000	16.1	2.00
Melica californica (California melic)	Yolo County: Fiske Creek	240,000	16.5	3.00
		TOTAL:	63.7	30.0

Swale/Wet Mix

Botanical Name (Common Name)	Ecotype/Orgin	Approximate Live Seeds/Bulk Lb.	Approximate Live Seeds/Sq. Foot	Bulk Lb./Acre
Nassella pulchra (purple needlegrass)	Yolo County: Stone Ranch	50,000	9.2	8.00
Bromus carinatus (California brome)	Amador County: Sierra Nevada	47,000	5.4	5.00
Vulpia microstachys (three weeks fescue)	Yolo County: Fiske Creek	350,000	8.0	1.00
Elymu glaucus (blue wildrye)	Butte County: Llano Seco Ranch	120,000	11.0	4.00
Leymus triticoides (creeping wildrye)	Yolo County: Yolo Bypass	125,000	11.5	4.00
Hordeum brachyantherum (meadow barley)	Yolo County: Yolo Bypass	75,000	6.9	4.00
Elymus trachycaulus (slender wheatgrass)	Yolo County: Willow Slough	69,000	6.3	4.00
		TOTAL:	52.0	30.0

These are broadcast seeding rates. To get the hydro seeding rate, multiply the rates by 1.5 to get 45/lbs. per acre.

7. No grading or trenching, except as required for erosion or sediment control, shall occur within 35 feet from the edge of perennial streams, creeks, or environmentally sensitive areas between October 1 and April 30 unless approved by the Engineering Division.
8. All erosion and sediment control measures shall be checked prior to, and following all storms to ensure that all measures are functioning properly.
9. Sediment and trash accumulated on-site, in drainages, or detention basins shall be removed and properly discarded as soon as possible.
10. Construction activities throughout the year shall have erosion and sediment control measures in place or capable of being placed within 24 hours. The Contractor shall ensure that the construction site is prepared prior to the onset of any storm. Per the States General Construction Permit, a Rain Event Action Plan (REAP) shall be reviewed and completed by a qualified SWPPP practitioner (QSP) 48 hours prior to a rain event.
11. The Contractor shall establish a specific site within the development for maintenance and storage of equipment or any other activity that may adversely contribute to the water quality of the runoff. This area shall include secondary containment measures such as, but not limited to weather protected bins, awnings, tubs for liquid pollutant containers, and spill kits, etc. This area shall be managed to prevent spills and stormwater

from coming into contact with pollutants, and shall be restored to an acceptable condition upon completion of project.

12. Hydro-seeding and hydro-mulching may be considered as an alternative to broadcast straw subject to the Engineering Division's approval based on a review of the existing site conditions (location, slopes, proximity to streams) and time of year.
13. SWPPP shall define erosion and sediment control measure objectives, and clearly identify control measure selections.

SECTION 10

SOUND BARRIER DESIGN

10-1 LOCATION REQUIREMENTS

When project is conditioned sound barriers may be required along the rear and side property lines of developments adjacent to freeways, major highways and other ground level noise elements in order to achieve the noise control objectives of the City of Rocklin Noise Element and Noise Ordinance.

10-2 SOUND STUDY

When it appears to the Director that a sound barrier may be necessary or when a sound barrier is a condition of development, a sound study prepared by an Acoustical Consultant shall be submitted to the Department of Community Development before the improvement plans will be approved by the City Engineer. The sound study shall include a recommended height, material and termination limits for the sound barrier including all backup material leading to the recommendations.

10-3 DESIGN

The sound barrier shall be designed to attenuate to acceptable noise levels at the affected property line consistent with the Noise Element of the Rocklin General Plan.

10-4 PLAN REQUIREMENTS

All construction details for sound barriers, including the locations and limits, shall be shown on the site improvement plans.

10-5 DESIGN REQUIREMENTS

Sound barriers shall be designed in accordance with landscaping requirements for the area in which the project is located. Walls shall be designed for a minimum longevity of 50 years. Walls shall have a minimum height of 6' measured from the highest adjacent pad elevation. Footings shall be designed for a height of wall 18" higher than the constructed wall. All sound walls shall be designed for 75 MPH wind loads at exposure Level C. Structural calculations shall be provided to the City Engineer for all proposed sound walls. All construction details for sound barriers, including locations and limits, shall be shown on the Improvement Plans.

Anti-graffiti coating shall be applied to the City side of the sound wall. Coating shall be as specified in the Caltrans Standards Specifications 2010, Section 59-8, Anti-Graffiti Coating.

SECTION 11

BIKEWAYS

11-1 GENERAL

The City of Rocklin bikeway standards are designed to insure that transportation and recreational bikeways are constructed in a manner that would provide a safe and comfortable use by both bicycles and pedestrians. Bikeways shall be designed to enhance safety and reduce maintenance.

11-2 DESIGN CRITERIA

All bikeway design conform to the latest editions of the following documents:

- The American Association of State Highway and Transportation Officials “Guide for the Development of Bicycle Facilities”
- The State of California Department of Transportation (Caltrans) Highway Design Manual Chapter 1000, “Bikeway Planning and Design”
- The most recent version of the California Manual on Uniform Traffic Control Devices (California MUTCD) for Streets and Highways (FHWA’s MUTCD), as amended for use in California.
- These Standards and any applicable Specific Plan guidelines which pertain to various areas of the City. Specific Plan Guidelines are available from the Planning Department.

All Bikeway improvement plans shall be prepared per “Plan Sheet Requirements” of these Standards and shall be drawn at a scale no smaller than 1” = 40’. The plans shall show all existing and proposed grades, sidewalks, landscaping, fences, guardrails, utilities, street lights, traffic signs and any other structure which may be impacted by revisions to grading.

11-3 PLAN ACCEPTANCE

Prior to construction of any bikeway related improvements, a complete set of bikeway improvement plans must be accepted by the Development Services Engineering Division. See “General Requirements” of these Standards for submittal requirements of bikeway improvement plans.

11-4 CLASS I BIKEWAYS (Bike Paths)

Class I bike paths are facilities located in separate right-of-way, for the exclusive use of bicycles and pedestrians with minimal cross flow by motor vehicles. Sidewalks are not considered Class I facilities. Sidewalks, including Class IA Sidewalks, Bikeways, are not subject to this Standard. See “Streets” of these Standards for design requirement of sidewalks and pedestrian walks.

- A. Width - The minimum paved width for a two-way bike path shall be 10'. The minimum width of a one-way bike path shall be 5'. In each case, a minimum of 2' wide graded shoulders shall be provided adjacent to the pavement. One shoulder shall consist of Class 2 Aggregate Base material and one shoulder shall consist of decomposed granite. Where profile grades are 4% or more, the decomposed granite may be stabilized with lime/fly ash or cement treatment. Otherwise, Class 2 Aggregate Base material may be considered for both shoulders.
- B. Clearance to Obstructions - A minimum of 3' of horizontal clearance to obstructions, including post and cable fencing, retaining walls, buildings and other permanent improvements, shall be provided adjacent to the pavement where the downgrades are less than 4% and a minimum of 5' from the edge of pavement where downgrades exceed 4%. If a bike path is paved contiguous with a continuous fixed object, such as a block wall, a 4" white edge line, 2' from the fixed object, is required.

Manhole covers shall be located within the bike path's shoulder area, with preference given to the Class 2 Aggregate Base shoulder. The Class 2 Aggregate Base or decomposed granite material shall be extended 1' beyond the rim of the manhole cover.

In conditions where the bike path is located adjacent to creeks, ditches or downslopes greater than 3' horizontal to 1' vertical, a minimum shoulder with of 5' from the edge of pavement to the top of the slope is required.

The clear width on structures between railings shall be not less than 12' with a preferred width of 14'.

The vertical clearance to obstructions across the clear width of the bike path shall be a minimum of 12' when Fire Department access is required, otherwise 9', including bike paths placed beneath bridge structures. The minimum elevation of the path shall coincide with the two (2) year water surface elevation.

- C. Signing and Delineation - For applications and placements of signs and markings, see the California Manual on Uniform Traffic Control Devices (California MUTCD) for Streets and Highways

Guide signs to roadways, parks, and other points of interest shall be provided at trail junctions and as determined by the City Engineer.

All stripes and pavement markings for Class I bike paths shall be constructed with the paint per Section 84-3 of the CalTrans Standard Specifications.

- D. Intersections with Roadways - Bicycle path intersections and approaches should be on relatively flat grades. Stopping sight distances at intersections shall be met

for vehicle traffic per “Design Site Distances” of these Standards and adequate warning should be given to permit bicyclists to stop before reaching the intersection, especially on downgrades. Curb ramps shall be installed with the same widths as the bicycle path.

Where applicable, three (3) barrier post/bollards shall be placed on the bike path where it intersects with roadways. One (1) shall be placed in the center of the bike path and be of a lockable, folding/collapsible design. Two (2) permanent post/bollards shall be placed on either side of the bike path, one (1) within each shoulder. Striping around the bollards shall be in accordance with the California MUTCD.

When crossing an arterial roadway, the crossing should either occur at the pedestrian crossing or at a location completely out of the influence of any intersection to permit adequate opportunity for bicyclists to see turning vehicles.

Mid-block crossing shall be considered on a case-by-case basis by the City Engineer. In these instances, right-of-way should be assigned by devices such as stop signs or traffic signals which can be activated by bicyclists. Grade separations shall also be considered at the discretion of the City Engineer.

- E. Separation Between Bike Paths and Roadways - Bike Paths immediately adjacent to roadways and within medians are not recommended. Bike paths closer than 5’ from back of curb shall include a physical barrier to prevent bicyclist from encroaching onto the roadway. Suitable barriers could include dense shrubs or other materials approved by the Development Services, Planning and Parks and Recreation Departments.
- F. Design Speed - The minimum design speed for bike paths is 20 mph. When a downgrade excess 4%, the minimum design speed for the section of bike path is 30 mph.
- G. Grades - The maximum grade rate recommended for bike paths is 5%. However, steeper grades can be allowed for short segments.

When using grades steeper than 5%, the following grade restrictions and grade lengths are required:

5-6%	for up to 800’
7%	for up to 400’
8%	for up to 200’

The bike path segment immediately following a positive grade of 8% is required to have a maximum grade of 5%. All bike path segments with grades steeper than 5% shall be posed with the appropriate warning signs.

Any bike path segments designed with a grade greater than 8% will require approval by the City Engineer and Parks and Recreation Director.

- H. Horizontal Alignment and Superelevation - A 2% cross slope is required on tangent sections. Bike paths superelevations rates may vary from a minimum of 2% to ensure drainage to a maximum of 5%.

The minimum distance for a transition from a 2% cross slope is 75' per 1% change in superelevation.

The minimum radius of curvature can be derived from Figure 1003.1C of the Cal Trans Highway Design Manual. The minimum radius with any given combination of design speed, rate of superelevation and friction factor shall not be less 30'. The minimum radius of curvature may be increased to 45' if the bikeway will also serve to function as a utility maintenance access.

- I. Stopping Sign Distance - The minimum stopping sign distances for various design speeds and grades can be determined from Figure 1003.1D of the Cal Trans Highway Design Manual. For two-way bike paths, the descending direction grade and design speed will control the design.
- J. Lateral Clearance on Horizontal Curves - The minimum clearances to line-of-site obstructions for horizontal curves can be determined from Figure 1003.1F of the Cal Trans Highway Design Manual.

Bicyclists frequently ride abreast of each other on bicycle paths and on narrow bicycle paths, bicyclists have a tendency to ride near the middle of the path. For these reasons, and because of the serious consequences of head-on bicycle accidents, lateral clearances on horizontal curves should be calculated based on the sum of the stopping sight distances for bicyclists traveling in opposite directions around the curve. Where this is not possible or feasible, consideration should be given to widening the path through the curve, installing a solid yellow centerline, installing a curve warning sign, or combination of these alternatives.

- K. Vertical Curves - The minimum allowable vertical (sag or crest) curve length at the intersection of two grades shall be 50'; however, vertical curves may need to be omitted where the algebraic difference in grades does not exceed 2.0%. The minimum lengths of crest vertical curves can be determined from Figure 1003.1E of the Cal Trans Highway Design Manual. When vertical curves are required, they shall provide for adequate sight distance based on the minimum design speeds specified in these Standards.
- L. Structural Section - Bike path structural section shall be a minimum of 2" of Type A asphalt concrete on 4" of Class 2 Aggregate Base. In those cases where Class 1 bikeways will be accessed by maintenance and/or emergency response vehicles, the bikeway shall be capable of supporting a minimum gross vehicular weight of

that the bridge (with railings) is solid, not assuming that water will pass through the rails.

Bridge railings shall be a minimum of 54" high and shall have a toe board at the base of the guardrail.

All material used on the bridge shall be water resistant.

A letter of map revision (LOMR) may need to be submitted to FEMA for approval, as determined by the Department of Public Services.

Approach ramps to the bridge shall be armored to allow for cross flow around the bridge without damage to path. Where feasible, the approaches to the bridge shall contain a dip in the profile (lower than the bridge) to facilitate the water to flow around the bridge instead of directly over it. All portions of the path that are more than forty-five (45) degrees to the flow path shall be Portland Cement Concrete, or other approved material and shall have armored embankments with toe protections to prevent the path from being undermined during flood events.

11-7 CLASS IA SIDEWALK BIKEWAYS

Class IA sidewalk bikeways are typically located along major streets and separated from the normal vehicle lanes. They are primarily sidewalks, paseos, etc., that are wider than normal to accommodate both pedestrians and bicycles.

The design of Class IA sidewalk bikeways shall follow the design standards for pedestrian walk construction located within these Standards. The location and width of Class IA sidewalk bikeways shall follow the applicable Specific Plan guidelines which pertain to various areas of the City. Specific Plan Guidelines are available from the Planning Department.

11-8 CLASS II BIKEWAYS

Class II bikeways (bike lanes) shall be provided within all collectors and arterial roadways as shown per the cross sections for various roadways within these Design Standards

- A. Signing and Pavement Markings - Details for signage and pavement markings for Class II bikeways are found in the California MUTCD and within the Standard Drawings for streets within these Design Standards.
- B. At-Grade Intersection Design - Details for design of Class II bikeways at intersections are found within the Standard Drawings of these Design Standards.

Bicycle-sensitive detectors, signs and pavement markings for traffic signal actuation shall be included within the traffic sign design for all intersections requiring traffic signals and at the discretion of the City Engineer per Sections 4D.104 & 105 of the California MUTCD.

11-9 CLASS III BIKEWAYS

Class III bikeways are on-street routes designed by signs or permanent markings per the California MUTCD and are shared by motorists. The locations of Class III bikeway routes shall follow the Bicycle Master Plan and applicable Specific Plan guidelines which pertain to various areas of the City. Specific Plan Design Guidelines are available from the Planning Department.

SECTION 12

SURVEY MONUMENTS

12-1 SURVEY MONUMENTS, SUBDIVISIONS

Materials and workmanship shall conform to the requirements of the California Land Surveyors' Act and local standards and regulations. The Consulting Engineer shall place survey monuments at the following locations within their improvements:

- A. At the intersections of all street centerlines.
- B. At the beginning and end of all curves on the street centerlines.
- C. At all subdivision boundary corners designated by the Director (or their designee); at the intersections of subdivision boundaries with street centerlines; and such other locations so as to enable any lot or portion of the improvement to be retraced or located at the center of all cul-de-sacs and elbow points.
- D. The above described monuments shall be as follows:
 1. Section and quarter section corners shall be not less than " inside diameter galvanized iron pipe 30" long. The pipe is to be capped and marked in accordance with the instructions in Chapter 4 of the 1973 Manual of Instructions prepared by the Bureau of Land Management.
 2. Subdivision boundary monuments, except those in street pavement, shall be not less than 1 ¼" galvanized iron pipe, 30" in length, capped and tagged.
 3. Subdivision boundary monuments in street pavement shall be not less than ¾" galvanized iron pipe, 18" in length (tagged or stamped). Top of pipe shall be driven flush with the surface pavement.
 4. All survey points described in Section 11-1 A and 11-1 B shall be marked with a ¾" iron pipe 18" in length (tagged or stamped); or a railroad spike (stamped) by the Engineer or Surveyor. The pipe or spike shall be driven flush with the finished surface of the pavement.

However, in addition to the above, each Subdivision shall have not less than two centerline points, marked by box monuments and in Subdivisions exceeding 3,000' of centerline, inter-visible box monuments shall be set at a ratio of two inter-visible monuments per 3000' of centerline.

Box monuments shall be as shown in the Standard Drawing 3-34.

5. All centerline monuments shall be referenced to permanent objects located nearby and all ties shall be furnished to the City Engineer for general public

use. Final approval of the subdivision will not be made until such ties have been furnished to the City Engineer.

- E. Found monuments which are used to establish lines of the property being surveyed shall be rehabilitated to city standards when found in a perishable condition. In any case, such monuments if unmarked shall be marked with the user's registration number.
- F. Survey monuments shall be placed by the Consulting Engineer at all section corners, quarter corners, and centers of sections within the improvements and offsite, due to deed dependency, as required by the City Engineer.
- G. The Consulting Engineer shall place a note on all construction plans stating that:
 - 1. The Contractor is responsible for the protection of all existing monuments and other survey markers.
 - 2. That no final acceptance of the construction shall be issued until the survey monuments are in place and the centerline monument ties are furnished to the City Engineer's office.

SECTION 13

LANDSCAPING

13-1 GENERAL

The following Design Standards must be considered during the design of projects and incorporated into the plans and specifications where applicable. Projects must also be in accordance with the Standard Specifications for Public Works construction. Whenever special requirements conflict on any subject matter, the Director shall determine which special requirement will govern.

13-2 GRADING AND DRAINAGE

- A. Parkway drainage and common area drainage will not be allowed to drain onto private property. Design must incorporate provisions to minimize drainage over sidewalks and prevent ponding in parkways. No concentrated flow shall be allowed over curbs, sidewalks, and property lines.
- B. Subsurface drains shall connect into storm drain system. A secondary drainage path must be provided where grate inlet-type basins are used for drainage. Grate inlet type basin shall not be used where leaves or other debris may clog the grates. Steel drain lines shall not be used.
- C. Turf areas shall have a minimum slope of 2% and a maximum slope of 20%.

13-3 EROSION CONTROL

Cut slopes 2:1 and steeper, 5' or more in height and fill slopes 2:1 and steeper, 3 ft or more in height, shall require special design provisions be made to control erosion and runoff.

13-4 SIDEWALKS

- A. Sidewalks shall be constructed with a 4' minimum width if parkway is between curb and sidewalk, a 5' minimum width when adjacent to curbs, and a 6' minimum width if cars are to overhang the walks when parked.
- B. Sidewalks adjacent to the curb shall have a cross slope of 1/4" per foot one to two percent (1 - 2%), not to exceed two percent (2%). It will be necessary to provide grades and alignments on concrete sidewalks within the parkway in accordance with the design features desired.
- C. Public sidewalks shall be constructed as per City Standards. Private sidewalks shall be constructed as recommended in the approved soils report.
- D. Special paving shall not be allowed in streets, sidewalks, or intersections without prior approval of the Director.

- E. Sidewalk ramps shall be provided as required at street intersections and at other locations where sidewalks terminate at full height curbs, and shall comply with the most recent version of the Caltrans Standard Plans, the California Building Code, and Standard Drawings 3-12, 3-13 and 3-16.

13-5 VEHICULAR SIGHT REQUIREMENT

If the project includes intersections or driveways onto public streets, the plan shall show the intersection, driveway and approaches, noting vehicular sight distance as required by the Standard Drawings.

13-6 MEDIANS AND PARKWAYS

- A. Turf areas of parkways and medians shall be 6' wide, minimum. Shrub or groundcover areas shall be 4' wide, minimum.
- B. A 12" wide concrete mowstrip shall be required adjacent to curbs within all turfed landscaped medians. An 8" concrete mowstrip shall be required along walls and fences adjacent to turf areas. A 6" concrete mowstrip shall be required between turf and groundcover areas.
- C. Medians shall have a cross slope of 2% for both turf and groundcover areas unless the median is specifically designed for a special landscape treatment.

13-7 IRRIGATION

- A. All irrigation systems shall be designed to minimize vandalism (with special consideration in parks).
- B. Water velocity in system shall not exceed 5' per second.
- C. All irrigation systems shall have the design capability of delivering 1 ½" of water in a 5 day period. Watering time shall be between the hours of 10:00 P.M. and 6:00 A.M. unless subsurface irrigation is used.
- D. City maintained irrigation systems shall be designed to connect to the Central Computer Controller by a non-dedicated phone line and shall include moisture sensing, flow sensing capabilities, and the ability to operate Controller thru use of remote control (hand operated).
- E. Irrigation systems shall be designed to apply water at a rate which does not exceed the infiltration rate of the soil, and systems shall be programmable to prevent ponding and minimize runoff.
- F. Irrigation systems shall be designed to meet the peak moisture demand of all plant materials used within the design area. Individual station run time shall meet peak evapotranspiration (E.T.) rate. Separate remote control valves shall be used for shrub and groundcover areas versus turf, with sun and shaded areas also segregated.

- G. On all slopes or mounded areas requiring irrigation, lateral lines shall be installed parallel with contours. Provide separate remote control valves for sprinkler lines operating systems at the top, toe, and intermediate areas of slopes.
- H. Irrigation system shall be designed and operated to eliminate fogging and minimize overspray and discharge onto non-landscaped areas.
- I. The following specific constraints shall be adhered to during the design and any subsequent modification of irrigation systems using reclaimed water:
 - 1. Cross connections between potable water systems and other water systems are not permitted.
 - 2. Hose bibs are not permitted on irrigation systems using reclaimed water.
 - 3. Drinking fountains must be protected from the direct spray of reclaimed water by either proper placement of the drinking fountain or use of a covered fountain approved for this use.
- J. Irrigation systems shall be designed to provide uniform coverage throughout each system.
- K. All sprinkler heads shall be pop-up type.
- L. Sprinkler Heads:
 - 1. All sprinkler heads shall be spaced to not exceed 50% of the spray diameter (head to head coverage).
 - 2. In large turf areas and any area exposed to consistent winds, sprinkler heads shall be spaced to not exceed 45% of the spray diameter.
 - 3. No overhead spray unless approved in medians and parkways. Medians and parkways shall be drip irrigation for shrubs and groundcover, trees shall have bubbler heads. Sprinkler head spacing in medians and parkways shall not exceed the width of the landscape area.
 - 4. Large turf sprinklers with different patterns or different precipitation rates shall be operated by separate remote control valves.
 - 5. Use of sprinkler heads with a built-in check valve to reduce sprinkler head drainage.
- M. System design pressure shall not be greater than lowest available pressure during the previous 2 year period per PCWA records.

- N. Master valves, flow sensors, pressure regulating valve, and basket strainer equipment shall be required on all irrigation systems unless (domestic water and reclaimed water) otherwise approved by the Director. The strainer shall be located immediately downstream of the water meter.
- O. Gate valves shall be provided to allow shutting down various sections of the system independent of the entire system, and on the supply side of a line beneath a street.
- P. Backflow Prevention:
1. All backflow prevention devices shall comply with requirements of Title 17 of the California Administrative Code, Placer County Health Department, PCWA, and City of Rocklin. Reduced pressure type backflow preventers are required for irrigation systems using domestic water. Shut-off valves shall be ball valves.
 2. System design shall prevent any back siphonage after system valves are closed.
 3. Backflow prevention devices are not permitted on irrigation systems using reclaimed water.
- Q. Remote Control Valves:
1. The following criteria shall be used for locating remote control valves:
 - a. Locate valves in groundcover or shrub areas when possible.
 - b. Locate valves outside of designated athletic play areas.
 - c. Locate valves adjacent to paving to facilitate access.
 - d. For slopes, locate valves either at the top or toe of slope.
 2. Install remote control valves independently in green plastic valve boxes. Boxes shall be branded with the designated controller letter (if applicable) and value number.
- R. Quick Coupling Valves:
1. Provide quick couplers a minimum of 100' on center in recreational areas and in general landscaped areas. Provide one quick coupler within 12" of paved end sections of landscape medians, and at the end of main line runs 200' and longer. Quick coupler valves shall be installed in green round plastic gate valve boxes with the lid head branded Q.C.

2. Quick couplers shall be located outside of designated athletic play areas and within an area of 12" to 18" from hardscape where possible.
 3. Provide two quick coupling valves at each baseball field. Valves to be located at first base and third base adjacent to fence or dugout.
- S. Stub-out requirements for future systems extending beyond the limits of the current project, for mainline piping and components shall be determined by the Director.
- T. Drip irrigation or subsurface irrigation may be used with prior approval of the Director. Design shall include manufacturer's specifications.
- U. Anti-drain valves (inline and/or under sprinkler heads) shall be installed on all slopes greater than 5%. Inline anti-drain valves shall be installed in approved valve boxes.

13-8 PLANTING

- A. All plant material shall be in accordance with the appropriate ordinances, resolutions, and specifications established by the City.
- B. All plant material shall be in conformance with City-approved Streetscape/Street Tree Master plans where applicable. The City retains the right to prohibit any plant material generally known to require excessive maintenance, because of factors such as, but not limited to, disease, pest control, troublesome root development, invasive properties, ultimate size, and difficult growth habits.
- C. The use of drought tolerant plant materials that are particularly compatible with our local environment is encouraged to promote water conservation and reduce maintenance costs.
- D. Parkways adjacent to industrial, commercial, and institutional areas shall be maintained by the adjacent property owner.
- E. No trees shall be planted within right of way in industrial areas.
- F. In addition to minimum setback requirements for certain species as shown on the Tree List, the following minimum distances shall be required:
 1. Three feet from City maintenance limit line.
 2. Four feet from utility installations including, but not limited to sewers, gas, water lines, meter vaults, catch basins, etc.
 3. Ten feet from driveways.

4. Ten feet from fire hydrants.
 5. Twenty feet from light standards.
 6. Tree limbs must have a clearance of 14.5' over streets, 8' over bicycle trails, and 7' over pedestrian-traveled ways.
- G. Minimum sizes of trees shall be 15 gallons or as approved by the Director.
- H. All turf shall be installed by hydro seeding or stolonizing unless alternative methods receive prior approval by the City Engineer.

13-9 LIGHTING

- A. All accent lighting shall be located on private property.
- B. All street, park, trail, and paseo lighting shall be vandal resistant, and have high pressure sodium vapor lamps. LED lamps unless otherwise approved in writing by the city.
- C. All lighting shall be designed to conform with Section 8 and the requirements of PG&E.

13-10 TRAFFIC EQUIPMENT AND INSTALLATION

All traffic equipment and installation shall conform to Caltrans Standard Plans and Specifications.

EXHIBIT 2
STANARD DRAWINGS

CITY OF ROCKLIN
ENGINEERING DEPARTMENT

APPROVED BY: _____

CITY ENGINEER

DATE

CITY OF ROCKLIN
FIRE DEPARTMENT

APPROVED BY: _____

FIRE CHIEF

DATE

DEPARTMENT OF PUBLIC SERVICES

APPROVED BY: _____

DIRECTOR

DATE

SOILS REPORT

COMPANY NAME: _____

JOB NUMBER

DATE

PLACER COUNTY WATER AGENCY

APPROVED BY: _____

ENGINEER

DATE

SPMUD

APPROVED BY: _____

ENGINEER

DATE



DRAWING APPROVED - CITY ENGINEER



DRAWING APPROVED - DIRECTOR OF PUBLIC WORKS

CITY OF ROCKLIN
ENGINEERING DIVISION

SIGNATURE BLOCKS

SCALE: NONE

DATE: DECEMBER 2015

DRAWN BY: J. PINKHAM

DWG #

1-1

PROJECT NOTES

1. THE CONTRACTOR SHALL NOT BEGIN ANY WORK SHOWN ON THESE PLANS UNTIL THE CITY ENGINEER'S SIGNATURE OF APPROVAL IS AFFIXED HEREON AND ALL APPLICABLE PERMITS HAVE BEEN OBTAINED.
2. CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE CITY, OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE CITY, OWNER OR ENGINEER.
3. THE CONTRACTOR IS HEREBY NOTIFIED THAT PRIOR TO COMMENCING CONSTRUCTION, HE SHALL CONTACT ALL UTILITY COMPANIES FOR VERIFICATION AT THE CONSTRUCTION SITE OF THE LOCATIONS OF ALL UNDERGROUND FACILITIES WHERE SUCH FACILITIES MAY CONFLICT WITH PLACEMENT OF IMPROVEMENTS SHOWN ON THIS PLAN. CALL "UNDERGROUND SERVICE ALERT" A MINIMUM OF 48 HOURS IN ADVANCE AT 811 OR (800) 227-2600 PRIOR TO ANY EXCAVATION.
4. THE LOCATIONS OF ALL UNDERGROUND FACILITIES SHOWN ON THIS PLAN ARE APPROXIMATE. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL UNDERGROUND FACILITIES; HOWEVER, THE ENGINEER ASSUMES NO LIABILITY FOR THE ACCURACY OR COMPLETENESS OF THE EXISTING FACILITIES SHOWN HEREON OR FOR THE EXISTENCE OF OTHER UNDERGROUND UTILITIES OR OBJECTS WHICH THE CONTRACTOR MAY DISCOVER, BUT ARE NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING FACILITIES AND IMMEDIATELY NOTIFY THE ENGINEER IF ANY SUCH FACILITIES INTERFERE WITH THE CONSTRUCTION OF IMPROVEMENTS. THE CONTRACTOR SHALL STOP WORK UNTIL MITIGATIONS CAN BE MADE. ANY COSTS INCURRED RESULTING FROM THE CONTRACTOR'S FAILURE TO STOP WORK AS DIRECTED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
5. ALL MATERIALS, METHODS, AND WORKMANSHIP SHALL CONFORM TO THE SPECIFICATION OF THE AGENCIES INVOLVED AND ALL WORK IS SUBJECT TO THE APPROVAL OF THEIR DIRECTOR OR AUTHORIZED REPRESENTATIVE.



DRAWING APPROVED – CITY ENGINEER



DRAWING APPROVED – DIRECTOR OF PUBLIC WORKS

CITY OF ROCKLIN
ENGINEERING DIVISION

GENERAL

NOTES

(SHEET 1 OF 8)

SCALE: NONE

DATE: MAY 2016

DRAWN BY: J. PINKHAM

DWG #

1-2

6. THE CONTRACTOR SHALL NOTIFY THE CITY OF ROCKLIN'S PUBLIC SERVICES INSPECTORS MON.-FRI. 8:00 A.M. TO 4:00 P.M. AT (916) 625-5500 FOR A PRECONSTRUCTION MEETING 48 HOURS IN ADVANCE OF STARTING ANY CONSTRUCTION ACTIVITIES. PLACER COUNTY WATER AGENCY AND SOUTH PLACER MUNICIPAL UTILITY DISTRICT REQUIRE AT LEAST 48-HOURS PRIOR TO ANY CONSTRUCTION REQUESTS FOR INSPECTION OF PUBLIC FACILITIES. THEREFORE NOTICE SHALL BE GIVEN 48-HOURS IN ADVANCE AND BE PERFORMED BY THE AGENCY'S DESIGNATED AGENT.
7. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY ENCROACHMENT PERMITS AND SHALL POSSESS APPROVED PLANS PRIOR TO BEGINNING OF CONSTRUCTION. A SET OF SIGNED AND APPROVED PLANS ARE TO BE ON THE JOB SITE AT ALL TIMES.
8. THE CONTRACTOR SHALL MAINTAIN THE EXISTING PUBLIC AND PRIVATE IMPROVEMENTS WITHIN THE WORK AREA AND SHALL ADEQUATELY BARRICADE THE PROJECT SITE TO KEEP THE GENERAL PUBLIC FROM THE SITE. ANY IMPROVEMENTS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR.
9. THE CONTRACTOR MUST EXPOSE THE END OF EXISTING GRAVITY LINES FOR THE SURVEYOR TO VERIFY LOCATION AND DEPTH OF FACILITIES PRIOR TO CONNECTION OF PROPOSED UTILITY. THE CONTRACTOR SHALL INCUR ALL COSTS FOR SUCH EXCAVATION.
10. THE CONTRACTOR SHALL AT ALL TIMES COORDINATE HIS WORK WITH THAT OF OTHERS ON THE SITE. THE CONTRACTOR SHALL HAVE A RESPONSIBLE PARTY, WHO SHALL HAVE THE AUTHORITY TO REPRESENT AND ACT FOR THE CONTRACTOR ON THE JOB SITE DURING ALL WORKING HOURS.
11. CONTRACTOR SHALL BE IN RECEIPT OF CITY APPROVED PLANS PRIOR TO CONSTRUCTION
12. CONTRACTOR SHALL NOTIFY UTILITY COMPANIES INVOLVED IN THE DEVELOPMENT PRIOR TO BEGINNING OF WORK.
13. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING MONUMENTS AND/OR OTHER SURVEY MONUMENTS AND SHALL NOTIFY CITY OF ROCKLIN DEPARTMENT OF PUBLIC SERVICES OF ANY DAMAGED OR REMOVED CITY, STATE, OR BUREAU MONUMENTS. CONTRACTOR SHALL BE RESPONSIBLE TO RESTORE ANY DAMAGED OR REMOVED MONUMENTS.
14. CONTRACTOR SHALL NOTIFY DEPARTMENT OF PUBLIC SERVICES UPON APPLICATION FOR PERMIT AND PAYMENT OF REQUIRED FEES.
15. THE CONTRACTOR SHALL VERIFY ALL STREET NAMES AND THEIR CORRECT SPELLING WITH THE FIRE DEPARTMENT AND BUILDING DIVISION BEFORE ORDERING STREET SIGNS
16. CONTRACTOR SHALL BE RESPONSIBLE FOR CONDUCTING HIS OPERATION ENTIRELY OUTSIDE OF ANY FLOODPLAIN BOUNDARIES. FLOODPLAIN BOUNDARIES SHALL BE CLEARLY DELINEATED IN THE FIELD WITH ORANGE ESA FENCING AND SIX FOOT (6') STAKES TEN FEET (10') OC PRIOR TO CONSTRUCTION.
17. CONTRACTOR SHALL BE RESPONSIBLE FOR CONDUCTING HIS OPERATION ENTIRELY OUTSIDE OF ANY "NO GRADING AREA." THESE AREA SHALL BE CLEARLY DELINEATED IN THE FIELD PRIOR TO CONSTRUCTION.
18. WHERE WORK IS BEING DONE IN AN OFFSITE EASEMENT THE CONTRACTOR SHALL NOTIFY THE PROPERTY OWNER 48 HOURS PRIOR TO COMMENCING WORK.



DRAWING APPROVED - CITY ENGINEER



DRAWING APPROVED - DIRECTOR OF PUBLIC WORKS

CITY OF ROCKLIN
ENGINEERING DIVISION

GENERAL

NOTES

(SHEET 2 OF 8)

SCALE: NONE

DATE: JUNE 2015

DRAWN BY: J. PINKHAM

DWG #

1-3

STREETS

1. PLACEMENT OF PROPOSED PUBLIC IMPROVEMENTS AND PROPOSED ONSITE IMPROVEMENTS SHALL NOT BE LIMITED TO THESE PLANS, BUT BE BUILT IN ACCORDANCE WITH THE CITY OF ROCKLIN IMPROVEMENT STANDARDS AND TO THE SATISFACTION OF THE CITY ENGINEER.
2. SIDEWALK RAMPS SHALL BE CONSTRUCTED AT THE CENTER OF ALL CURB RETURNS.
3. ALL UTILITY TRENCHING TO BE DONE AS PER TRENCH DETAILS.
4. ALL DROP INLETS SHALL BE TYPE "B" AS SHOWN IN THE CITY OF ROCKLIN IMPROVEMENTS STANDARDS, DRAWING 4-2, EXCEPT AS NOTED.
5. CONSTRUCT SIDEWALK RAMPS PER LATEST CALIFORNIA TITLE 24 AS APPLICABLE, AT ALL STREET INTERSECTIONS, AS SHOWN
6. CONSTRUCT MONUMENT BOX PER CITY OF ROCKLIN IMPROVEMENTS, STANDARD DRAWING 3-34.
7. STOP SIGNS, THERMOPLASTIC STOP BARS, AND THE THERMOPLASTIC WORD "STOP" SHALL BE PLACED AS SHOWN ON PLANS. STOP SIGNS SHALL CONFORM TO CALTRANS STANDARDS (R1, 30").
8. THE CONTRACTOR SHALL COORDINATE WITH ALL OTHER WORK TO ASSURE THAT ALL UNDERGROUND CONDUITS AND UTILITIES ARE INSTALLED PRIOR TO PAVING. ALL PIPE IN PAVED AREAS SHALL BE PLACED PRIOR TO PLACING AGGREGATE BASE. NO CURB, GUTTER, SIDEWALK OR AGGREGATE BASE SHALL BE PLACED UNTIL ALL UNDERGROUND UTILITIES ARE INSTALLED.
9. EXISTING A.C. SURFACE SHALL BE CUT TO A NEAT STRAIGHT LINE PARALLEL WITH THE STREET CENTERLINE AND THE EXPOSED EDGE AND VERTICAL EDGE OF GUTTER LIP SHALL BE TACKED WITH EMULSION PRIOR TO PAVING. THE CONTRACTOR SHALL PREVENT SAW CUT MATERIAL FROM ENTERING DRAINAGE STRUCTURES, WATERWAYS, DRAINAGE SWALES, ETC.
MATERIAL SHALL BE GRADED, RECOMPACTED, AND RESEALED PRIOR TO PAVING. ANY CONCRETE, A.C., TREES, FENCES, AND/OR OTHER OBSTRUCTIONS REQUIRED TO CONSTRUCT THE IMPROVEMENTS SHALL BE REMOVED PRIOR TO PAVING.
10. TRAFFIC CONTROL PROCEDURES SHALL CONFORM TO THE MOST RECENT EDITION OF THE "WATCH HANDBOOK" AND THE MOST RECENT EDITION OF THE CALTRANS TRAFFIC MANUAL. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE CITY OF ROCKLIN FOR THE METHOD OF TRAFFIC CONTROL PRIOR TO STARTING CONSTRUCTION.



DRAWING APPROVED - CITY ENGINEER



DRAWING APPROVED - DIRECTOR OF PUBLIC WORKS

CITY OF ROCKLIN
ENGINEERING DIVISION

GENERAL

NOTES

(SHEET 3 OF 8)

SCALE: NONE

DATE: JUNE 2015

DRAWN BY: J. PINKHAM

DWG #

1-4

11. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGE TO THE STREETS OR SIDEWALKS DURING THE CONSTRUCTION PHASE. IF THE CITY FINDS A SIGNIFICANT AMOUNT OF STREET DAMAGE, AN OVERLAY OF THE ENTIRE PROJECT OR STREET IN QUESTION WILL BE REQUIRED BEFORE A NOTICE OF COMPLETION IS PROCESSED. THE CONTRACTOR, DEVELOPER AND/OR BUILDER ARE TOTALLY RESPONSIBLE FOR THE QUALITY OF WORKMANSHIP ON THE PROJECT.
12. UTILITIES

SEWER:	SO. PLACER MUNICIPAL UTILITY DISTRICT	(916) 786-8522
WATER:	PLACER COUNTY WATER AGENCY	(530) 823-4886
STORM DRAIN, TELECOMMUNICATION CONDUIT, STREET LIGHTS & TRAFFIC SIGNALS:		
	CITY OF ROCKLIN (PUBLIC SERVICES)	(916) 625-5500
ELECTRIC & NATURAL GAS	PACIFIC GAS & ELECTRIC	(530) 889-3256 (530) 320-0149
TELEPHONE:	PACIFIC BELL/ATT	(916) 409-1384
CABLE T.V.:	WAVEBROADBAND CONSOLIDATED	(916) 630-7180 (916) 786-1217
13. SEE INDIVIDUAL AGENCIES FOR SIZE, TYPE, AND LOCATION OF THEIR PROPOSED FACILITIES
14. ALL OF THE ABOVE UTILITIES ARE MEMBERS OF THE UNDERGROUND SERVICE ALERT (U.S.A.) ONE-CALL PROGRAM. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS PROJECT WILL BE REQUIRED TO NOTIFY MEMBERS OF (U.S.A.) 48-HOURS IN ADVANCE OF PERFORMING EXCAVATION WORK BY CALLING THE TOLL-FREE NUMBER (800) 227-2600. EXCAVATION, FOR THE PURPOSE OF THIS REQUIREMENT, IS DEFINED AS BEING 4-6" OR MORE IN DEPTH BELOW THE EXISTING SURFACE.

EARTHWORK AND GRADING

1. THE CONTRACTOR SHALL CONTACT THE CITY OF ROCKLIN PUBLIC SERVICES, 48 HOURS PRIOR TO THE START OF EARTHWORK AND GRADING CONSTRUCTION.
2. GRADING SHALL NOT OCCUR ON THE PROJECT AREA UNTIL ALL EXISTING UTILITIES AND TREES AND SENSITIVE AREAS TO BE SAVED ARE ADEQUATELY PROTECTED PER THE CITY OF ROCKLIN CONSTRUCTION SPECIFICATIONS.



DRAWING APPROVED - CITY ENGINEER



DRAWING APPROVED - DIRECTOR OF PUBLIC WORKS

CITY OF ROCKLIN
ENGINEERING DIVISION

GENERAL

NOTES

(SHEET 4 OF 8)

SCALE: NONE

DATE: MAY 2016

DRAWN BY: J. PINKHAM

DWG #

1-5

EARTHWORK AND GRADING (CONT'D)

3. ALL COMPACTION TESTING SHALL BE PERFORMED BY THE CITY OR IT'S DESIGNATED AGENT AND BE PAID FOR BY THE CITY (OR CONTRACTOR IN CASE OF RETESTING). TESTS WITHIN THE RIGHT-OF-WAY SHALL BE APPROVED BY THE CITY OF ROCKLIN AND ALL TESTS OUTSIDE THE RIGHT-OF-WAY SHALL BE CERTIFIED BY THE SOILS ENGINEER FOR THE PROJECT.

4. ALL UNSUITABLE AND SURPLUS MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE UNLESS THE ENGINEER SPECIFIES OTHERWISE.

5. UTILITY TRENCHING TO BE COMPLETED WITH FINAL EARTHWORK. THE PROJECT WILL BE TEMPORARILY SUSPENDED PER SEC 8-1.05 FOR ALLOWING PG&E AND WAVE BROADBAND TO INSTALL THEIR RESPECTIVE FACILITIES.

6. THE CONTRACTOR SHALL AT ALL TIMES CONFORM TO A DUST CONTROL PLAN. PRIOR TO ANY GRADING OR CONSTRUCTION ACTIVITY, A DUST CONTROL PLAN SHALL BE SUBMITTED FOR APPROVAL BY THE CITY ENGINEER AND THE PLACER COUNTY AIR POLLUTION CONTROL DISTRICT. THE DUST CONTROL PLAN SHALL SPECIFY MEASURES TO REDUCE DUST POLLUTION DURING ALL PHASES OF CONSTRUCTION. AREAS SURROUNDING THE WORK SHALL BE KEPT CLEAN AND RETURNED TO ORIGINAL CONDITION UPON COMPLETION OF CONTRACT. GRADING SHALL NOT OCCUR WHEN WIND SPEED EXCEEDS 10 MPH CONTINUOUSLY FOR MORE THAN 1 HOUR.

7. CONTRACTOR SHALL APPLY EROSION CONTROL HYDROSEEDING TO ALL GRADED OR DISTURBED SOILS WITHIN THE WORK AREA AFTER COMPLETION OF IMPROVEMENTS OR AS SOON AS PRACTICAL AFTER GRADING TO REDUCE DUST AND EROSION POTENTIAL. STRAW OR HYDROMULCHING SHALL BE COMBINED WITH THE SEEDING ON SLOPES EQUAL TO OR GREATER THAN 10:1 AND PLACED PRIOR TO COMPLETION OF PROJECT IF DEEMED NECESSARY FOR CONTROLLING SOIL EROSION.

8. THE CONTRACTOR SHALL DO THE FOLLOWING IF GRADING AND CLEARING IMPROVEMENTS ARE INCOMPLETE BY OCTOBER 1ST.
 - INSTALL EROSION PROTECTION ON SLOPES 10:1 OR STEEPER AND SWALES WITH SLOPES 2% OR GREATER
 - PREVENT SEDIMENT FROM LEAVING THE PROJECT AREA
 - GRADE GUTTER SAG POINTS TO DRAIN. PROVIDE FOR DRAINAGE FROM ENDS OF IMPROVEMENTS.
 - PREVENT SEDIMENTATION IN EXISTING STORM DRAIN SYSTEM AND CLEAN PIPES AS PER SPECIFICATION SECTION SS62.
 - SEAL OFF ALL SANITARY SEWER CONNECTIONS TO EXISTING SYSTEMS

THE CONTRACTOR SHALL MAINTAIN WINTERIZATION FACILITIES AT ALL TIMES UNTIL THE CITY ACCEPTS THE ROAD IMPROVEMENTS.


 DRAWING APPROVED – CITY ENGINEER


 DRAWING APPROVED – DIRECTOR OF PUBLIC WORKS

CITY OF ROCKLIN ENGINEERING DIVISION	
GENERAL NOTES (SHEET 5 OF 8)	
SCALE: NONE	DWG #
DATE: MAY 2016	1-6
DRAWN BY: J. PINKHAM	

EARTHWORK AND GRADING (CONT'D)

9. PRIOR TO GRADING A RAPTOR SURVEY SHALL BE DONE AND NO CONSTRUCTION ACTIVITIES ARE ALLOWED WITHIN 0.25 MILES OF ANY IDENTIFIED RAPTOR NESTS BETWEEN FEBRUARY THROUGH AUGUST OR AS APPROVED BY DIRECTOR.
10. APPROX. QUALITY OF EARTHWORK: ___ CY CUT, ___ CY FILL.
11. THOSE ENGAGED IN CONSTRUCTION ACTIVITY SHALL COMPLY WITH THE CITY OF ROCKLIN CONSTRUCTION NOISE COMPATIBILITY GUIDELINES, INCLUDING RESTRICTING CONSTRUCTION NOISE GENERATING ACTIVITIES WITHIN OR NEAR RESIDENTIAL AREAS TO BETWEEN 7:00 A.M. AND 7:00 P.M. ON WEEKDAYS AND 8:00 A.M. AND 7:00 P.M. ON WEEKENDS TO THE SATISFACTION OF THE PUBLIC WORKS DIRECTOR OR BUILDING OFFICIAL.

STRIPING

1. ALL EXISTING PAVEMENT MARKINGS TO BE REMOVED, SHALL BE REMOVED BY GRINDING.
2. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC AND ARE TO CONFORM TO THE MOST RECENT EDITION OF THE CALTRANS STANDARD SPECIFICATIONS AND PLANS.

CONSTRUCTION STAKING/MONUMENTATION

1. NO WORK SHALL COMMENCE UNTIL STAKING IS PROVIDED.
2. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL MONUMENTS AND OTHER SURVEY MARKERS.
3. ALL SURVEY MONUMENTS SHALL BE SET IN ACCORDANCE WITH THE CITY OF ROCKLIN SUBDIVISION ORDINANCE PRIOR TO FINAL INSPECTION AND ACCEPTANCE OF PUBLIC IMPROVEMENTS. MONUMENT BOXES SHALL BE FORNI "IRONSIDES" 1B-BODY WITH IL-LID MARKED "MONUMENT" OR APPROVED EQUAL.

LANDSCAPING

1. ALL LANDSCAPE AND IRRIGATION SHALL CONFORM TO DEPARTMENT OF WATER RESOURCES.
2. CONTRACTOR SHALL BACKFILL 24" OF TOPSOIL IN THE NEW MEDIAN.
3. RAIN BIRD ESP-LX SERIES COMMERCIAL CONTROLLER WITH FLOW SMART MODULE WITH LEARN FLOW UTILITY AND FLOW USAGE TOTALIZER.
4. ALL CONTROLLERS SHALL HAVE AN NCC-3G CELLULAR CARTRIDGE WITH EXTERNAL ANTENNA USED FOR DIRECT COMMUNICATION WITH THE IQ CENTRAL COMPUTER.
5. NO CO-MINGLING OF ONSITE AND CITY OF ROCKLIN IRRIGATION AND LANDSCAPE.
6. ALL IRRIGATION AND LANDSCAPE SUBMITTALS SHALL BE SENT TO CITY OF ROCKLIN INSPECTOR 916-625-5577
7. ALL IRRIGATION MAINLINE AND LATERALS SHALL BE SCHEDULE 40 PVC OR GREATER. NO CLASS 200.
8. ALL BACKFLOWS SHALL BE A WILKINS 975XL INSTALLED PER PCWA SPEC WITH AN INSULATED PLACER WATER WORKS ENCLOSURE.
9. ALL IRRIGATION AND LANDSCAPE SHALL CONFORM TO THE LATEST CALIFORNIA MWEL0.



DRAWING APPROVED - CITY ENGINEER



DRAWING APPROVED - DIRECTOR OF PUBLIC WORKS

CITY OF ROCKLIN ENGINEERING DIVISION	
LANDSCAPING GENERAL NOTES (SHEET 6 OF 8)	
SCALE: NONE DATE: MARCH 2016 DRAWN BY: J. PINKHAM	DWG # 1-7

15. STORM DRAINS

STORM DRAIN REQUIREMENTS SHALL BE PER THE CITY OF ROCKLIN STANDARD SPECIFICATIONS INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. MINIMUM OF 12" DIAMETER PIPE WITHIN CITY RIGHT OF WAY AND MINIMUM 8" DIAMETER PIPE ON PRIVATE PROPERTY.

PIPE ALTERNATIVES SHALL BE:

- CONCRETE PIPE C76 REINFORCED CONCRETE PIPE
ASTM-12" IS SMALLEST
ASTM-C76 CLASS 5 (UNLESS OTHERWISE SHOWN ON PLANS)
- HDPE (PER CALTRANS STANDARD, SECTION 64, MOST RECENT EDITION)

THE CONTRACTOR SHALL MAINTAIN ALL EXISTING DRAINAGE FACILITIES WITHIN THE CONSTRUCTION AREA UNTIL NEW DRAINAGE IMPROVEMENTS ARE IN PLACE AND FUNCTIONING.

EXISTING STORM DRAIN FACILITIES SHALL BE EXPOSED AND INVERT VERIFIED PRIOR TO PLACEMENT OF PIPE. ALL CONSTRUCTION SHALL CONFORM TO MANUFACTURERS SPECIFICATIONS AND TO REQUIREMENTS OF THE CITY OF ROCKLIN STANDARD SPECIFICATIONS.

CONFINED SPACE ENTRY (STORM DRAIN MANHOLES): IT IS THE PROJECT OWNER/DEVELOPER'S RESPONSIBILITY AS HOST EMPLOYER TO HAVE A CONFINED SPACE ENTRY PROGRAM IN COMPLIANCE WITH THE REQUIREMENTS OF SECTIONS 5156-5159 OF TITLE 8, GENERAL INDUSTRIAL SAFETY ORDERS, CALIFORNIA CODE OF REGULATIONS. CITY OF ROCKLIN EXISTING MANHOLES ARE "PERMIT REQUIRED" CONFINED SPACES. THE HOST EMPLOYER'S CONTRACTOR MUST STRICTLY CONFORM TO CITY OF ROCKLIN PERMIT REQUIRED CONFINED SPACE ENTRY PROGRAM IN ENTERING ANY CITY OF ROCKLIN OWNED MANHOLE. REFER TO GS7-1.06

A "NO DUMPING" STORM DRAIN MESSAGE SHALL BE PLACED ADJACENT TO ALL DRAIN INLETS IN ACCORDANCE WITH CITY STANDARD DRAWING 4-24.

16. SEWER

CONTACT SOUTH PLACER MUNICIPAL UTILITY DISTRICT FOR REQUIRED NOTES PERTAINING TO THE SEWER SYSTEM.

17. WATER

CONTACT PLACER COUNTY WATER AGENCY FOR REQUIRED NOTES PERTAINING TO THE WATER SYSTEM.


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DRAWING APPROVED - DIRECTOR OF PUBLIC WORKS

CITY OF ROCKLIN ENGINEERING DIVISION	
GENERAL NOTES (SHEET 7 OF 8)	
SCALE: NONE	DWG #
DATE: JUNE 2015	1-8
DRAWN BY: J. PINKHAM	

BIOLOGICAL RESOURCES:

12. PRIOR TO GRADING OR CONSTRUCTION ACTIVITIES, THE OPEN SPACE/WETLAND/RIPARIAN AREAS SHALL BE FENCED WITH ORANGE CONSTRUCTION FENCING SUCH THAT THE FENCING SEPARATES THE PROJECT SITE FROM THE OPEN SPACE/WETLAND/RIPARIAN AREAS. THE FENCING SHALL BE INSTALLED TO THE SATISFACTION OF THE CITY ENGINEER AND SHALL REMAIN IN PLACE DURING ALL CONSTRUCTION ACTIVITIES.

CULTURAL RESOURCES:

13. IF EVIDENCE OF ARCHEOLOGICAL OR PALEONTOLOGICAL SITE IS UNCOVERED DURING GRADING OR OTHER CONSTRUCTION ACTIVITIES, WORK SHALL BE HALTED WITHIN 100FT. OF THE FIND AND THE CITY OF ROCKLIN COMMUNITY DEVELOPMENT DEPARTMENT SHALL BE IMMEDIATELY NOTIFIED. A QUALIFIED ARCHAEOLOGIST OR PALEONTOLOGIST SHALL BE RETAINED AT THE EXPENSE OF THE DEVELOPER/CITY TO CONDUCT AN ON-SITE EVALUATION AND PROVIDE RECOMMENDATIONS FOR REMOVAL AND /OR PRESERVATION. WORK ON THE SITE SHALL NOT RESUME UNTIL THE ARCHAEOLOGIST OR PALEONTOLOGIST HAS HAD REASONABLE TIME TO CONDUCT AN EXAMINATION AND IMPLEMENT MITIGATION MEASURES DEEMED APPROPRIATE AND NECESSARY BY THE COMMUNITY DEVELOPMENT DEPARTMENT TO REDUCE IMPACTS TO A LESS THAN SIGNIFICANT LEVEL.
14. EVIDENCE OF HUMAN BURIAL OR SCATTERED HUMAN REMAINS RELATED TO PRE-HISTORIC OCCUPATION OF THE AREA COULD BE INADVERTENTLY ENCOUNTERED ANYWHERE WITHIN THE PROJECT AREA DURING CONSTRUCTION ACTIVITY OR OTHER ACTIONS INVOLVING DISTURBANCE TO THE GROUND SURFACE AND SUBSURFACE COMPONENTS. IN THE EVENT OF SUCH AN INADVERTENT DISCOVERY, WORK SHALL BE HALTED WITHIN 100FT. OF THE FIND AND THE CITY OF ROCKLIN COMMUNITY DEVELOPMENT DEPARTMENT AND THE COUNTY CORONER SHALL BE IMMEDIATELY NOTIFIED AND CONSULTED, PER STATE LAW.

AIR QUALITY

15. PRIOR TO ANY GRADING OR CONSTRUCTION ACTIVITY, A DUST CONTROL PLAN SHALL BE SUBMITTED FOR APPROVAL BY THE CITY ENGINEER AND THE PLACER COUNTY AIR POLLUTION CONTROL DISTRICT. THE DUST CONTROL PLAN SHALL SPECIFY MEASURES TO REDUCE DUST POLLUTION DURING ALL PHASES OF CONSTRUCTION.


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 DRAWING APPROVED – DIRECTOR OF PUBLIC WORKS

CITY OF ROCKLIN ENGINEERING DIVISION	
GENERAL NOTES (SHEET 8 OF 8)	
SCALE: NONE DATE: JUNE 2015 DRAWN BY: J. PINKHAM	DWG # 1-9

CITY OF ROCKLIN
BUILDING DEPARTMENT

BUILDING DEPARTMENT PERMITS
DEFERRED SUBMITTAL REQUIRED TO BUILDING DEPARTMENT FOR:

- RETAINING WALLS FOR BUILDING PERMIT FOR INSPECTION ONLY
- SOUND WALLS FOR BUILDING PERMIT FOR INSPECTION ONLY
- SPECIAL INSPECTION AND TESTING AGREEMENT FORM REQUIRED FOR POST-TENSIONED DESIGNED WALLS
- COMMON AREA AMENITIES, STRUCTURES, AND ADA ACCESS COMPLIANCE
- ELECTRICAL AND MECHANICAL ENTRY GATE DESIGN



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CITY OF ROCKLIN
ENGINEERING DIVISION

BUILDING PERMIT BLOCK

SCALE: NONE
DATE: MAY 2016
DRAWN BY: J. PINKHAM

DWG #
1-10

LOT PAD CERTIFICATION

I HEREBY CERTIFY THAT I HAVE FIELD VERIFIED THE FINISHED PAD ELEVATIONS AND THEY ARE WITHIN 0.20 FT. OF THE APPROVED ELEVATIONS AS SHOWN ON THESE PLANS. DEVIATIONS OF MORE THAN 0.20 FT. ARE NOTED INSIDE <> ON ALL FOUR CORNERS OF THE PAD AS WELL AS THE CENTER OF THE PAD AS REQUIRED BY THE CITY OF ROCKLIN IMPROVEMENT STANDARDS, SECTION 9-8.

PROJECT ENGINEER

DATE

RCE # OR L.S. #

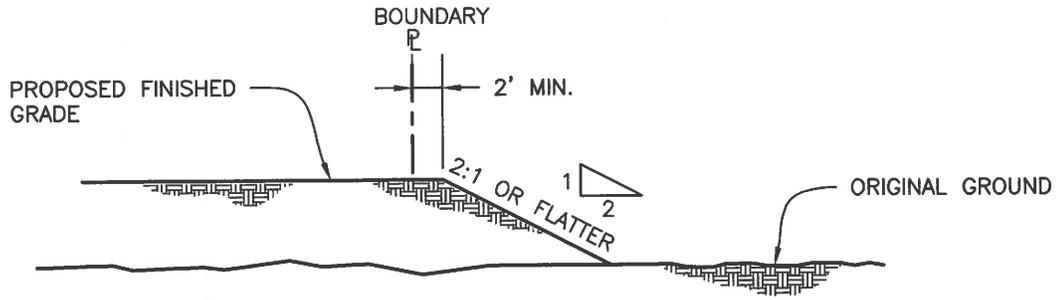


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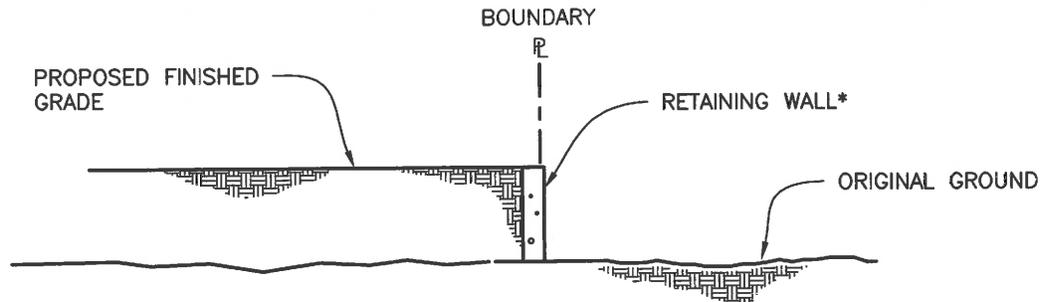
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CITY OF ROCKLIN ENGINEERING DIVISION	
LOT PAD CERTIFICATION SIGNATURE BLOCK	
SCALE: NONE	DWG #
DATE: MAY 2016	1-11
DRAWN BY: J. PINKHAM	

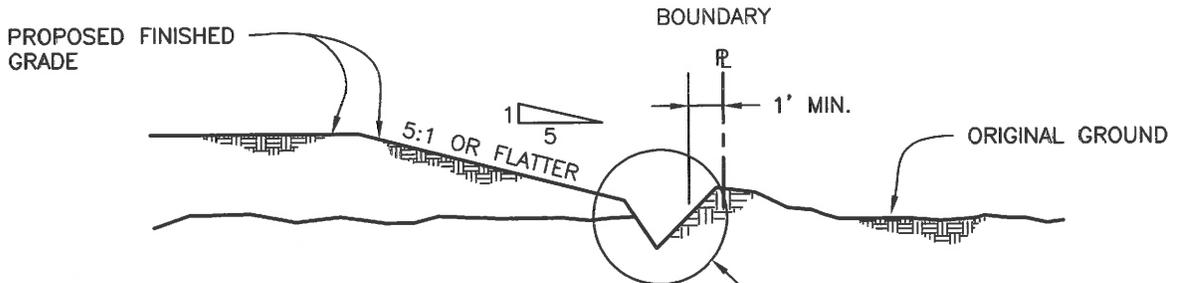


MOST DESIRABLE

1. A NOTARIZED RIGHT OF ENTRY IS REQUIRED FROM ADJACENT PROPERTY OWNER.

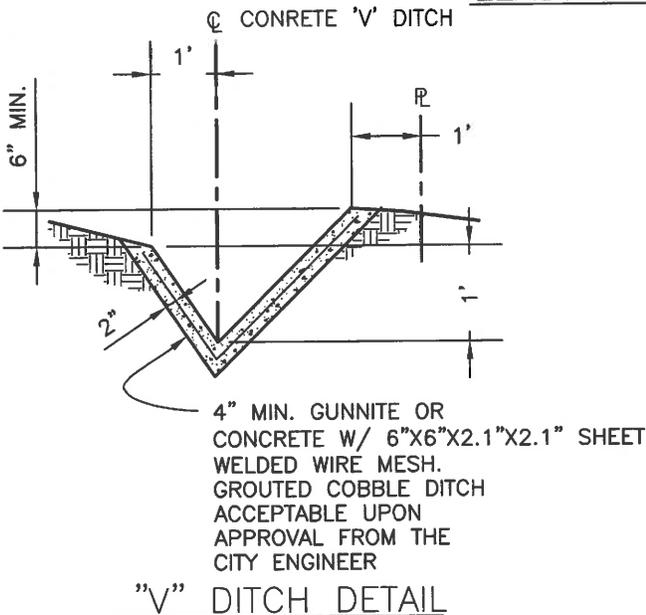


* ENTIRE WALL INCLUDING FOUNDATION SHALL BE LOCATED ON PRIVATE PROPERTY AND BE CONSTRUCTED WITH CONCRETE OR MASONRY BLOCK IF 24" OR GREATER IN HEIGHT.



LEAST DESIRABLE

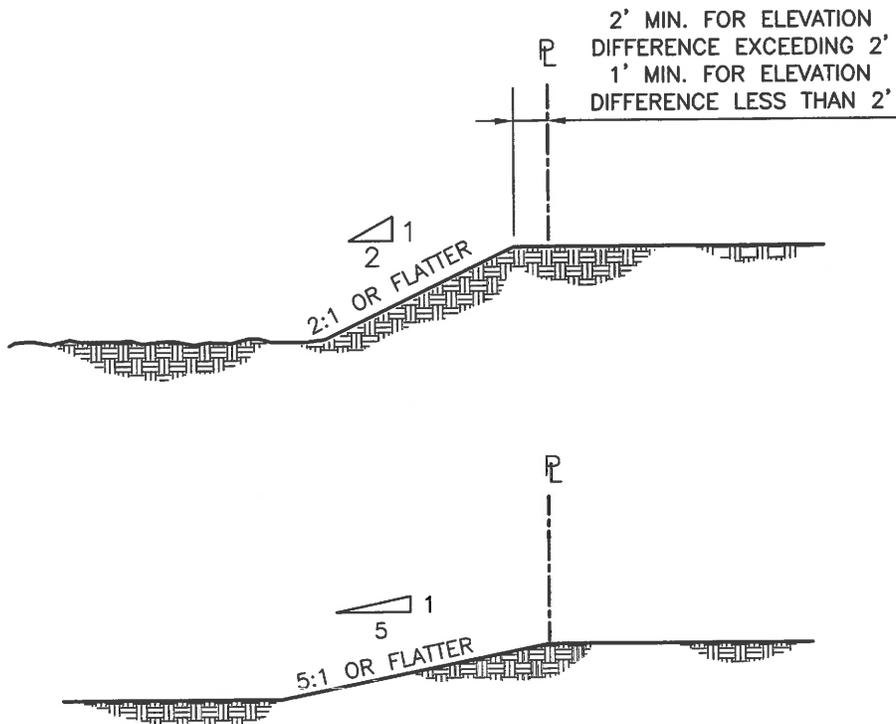
SEE DETAIL BELOW



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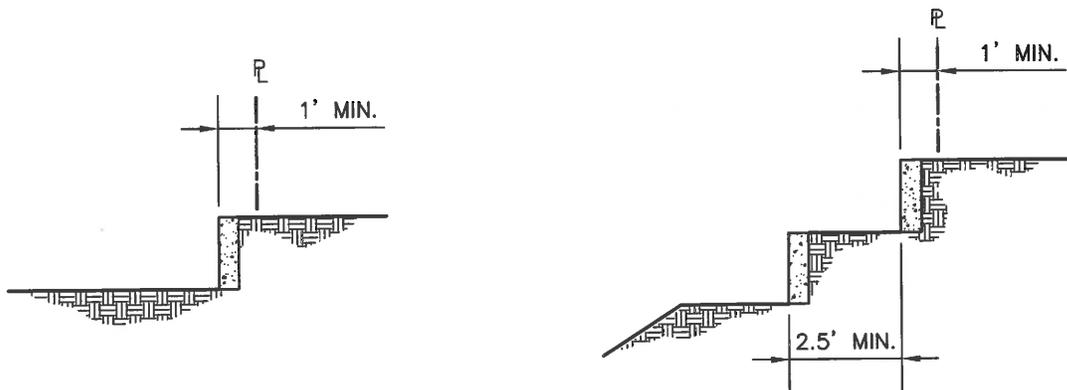
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DRAWING APPROVED - DIRECTOR OF PUBLIC WORKS

CITY OF ROCKLIN ENGINEERING DIVISION	
EXTERIOR PERIMETER PROPERTY LINE GRADING	
SCALE: NONE	DWG #
DATE: JULY 2015	2-1
DRAWN BY: J. PINKHAM	



CUT BANKS

1. A NOTARIZED RIGHT OF ENTRY IS REQUIRED FROM ADJACENT PROPERTY OWNER.



RETAINING WALLS

NOTE:

1. USE FOR CUTS ADJACENT TO BOUNDARY OR EXTERIOR PERIMETER PROPERTY LINES.
2. NO DOUBLE RETAINING WALLS TO BE CONSTRUCTED ON SIDE YARDS FOR LOTS TO BE IN CONFORMANCE TO FHA STANDARDS

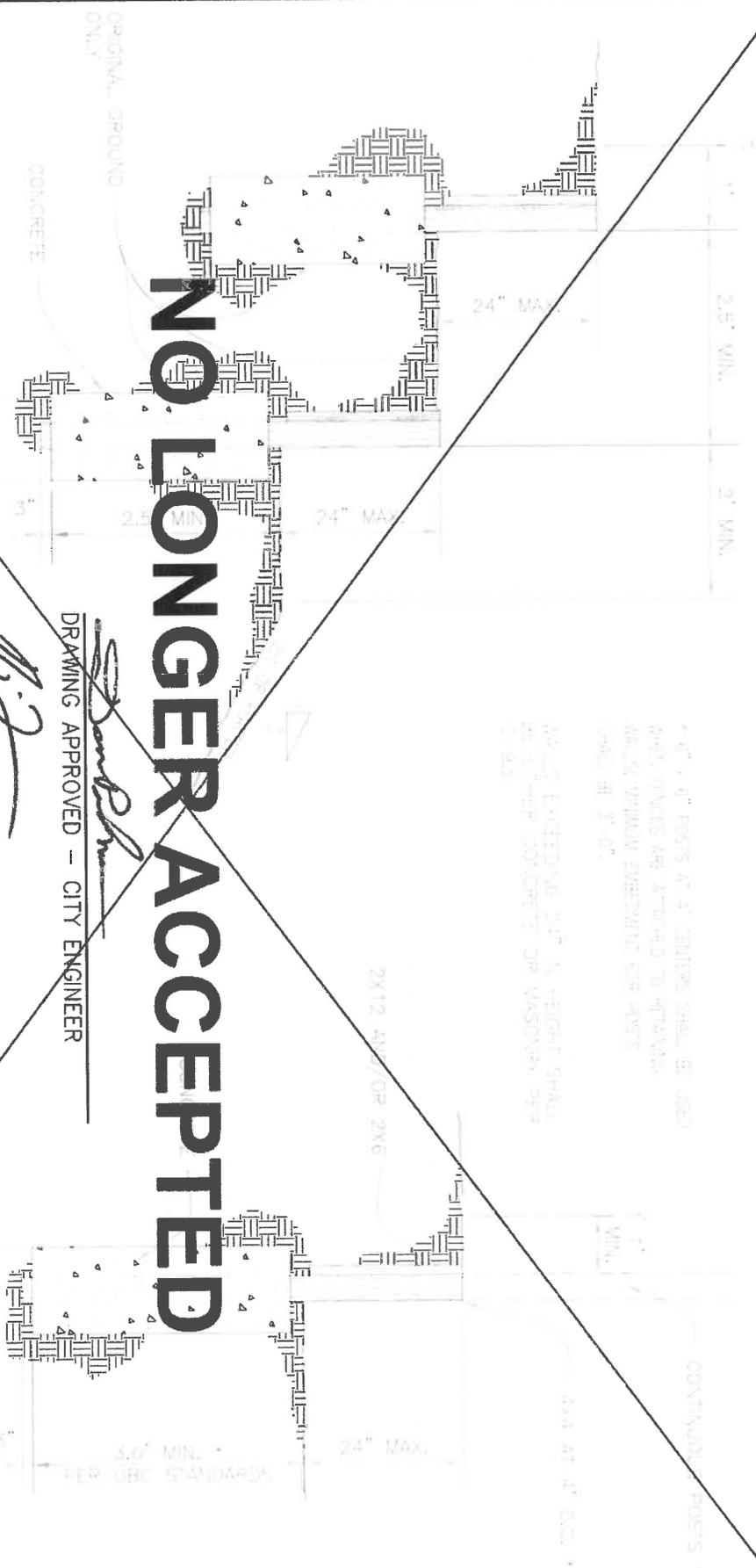
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CITY OF ROCKLIN ENGINEERING DIVISION	
INTERIOR PROPERTY LINE GRADING	
SCALE: NONE	DWG #
DATE: JULY 2015	2-2
DRAWN BY: J. PINKHAM	



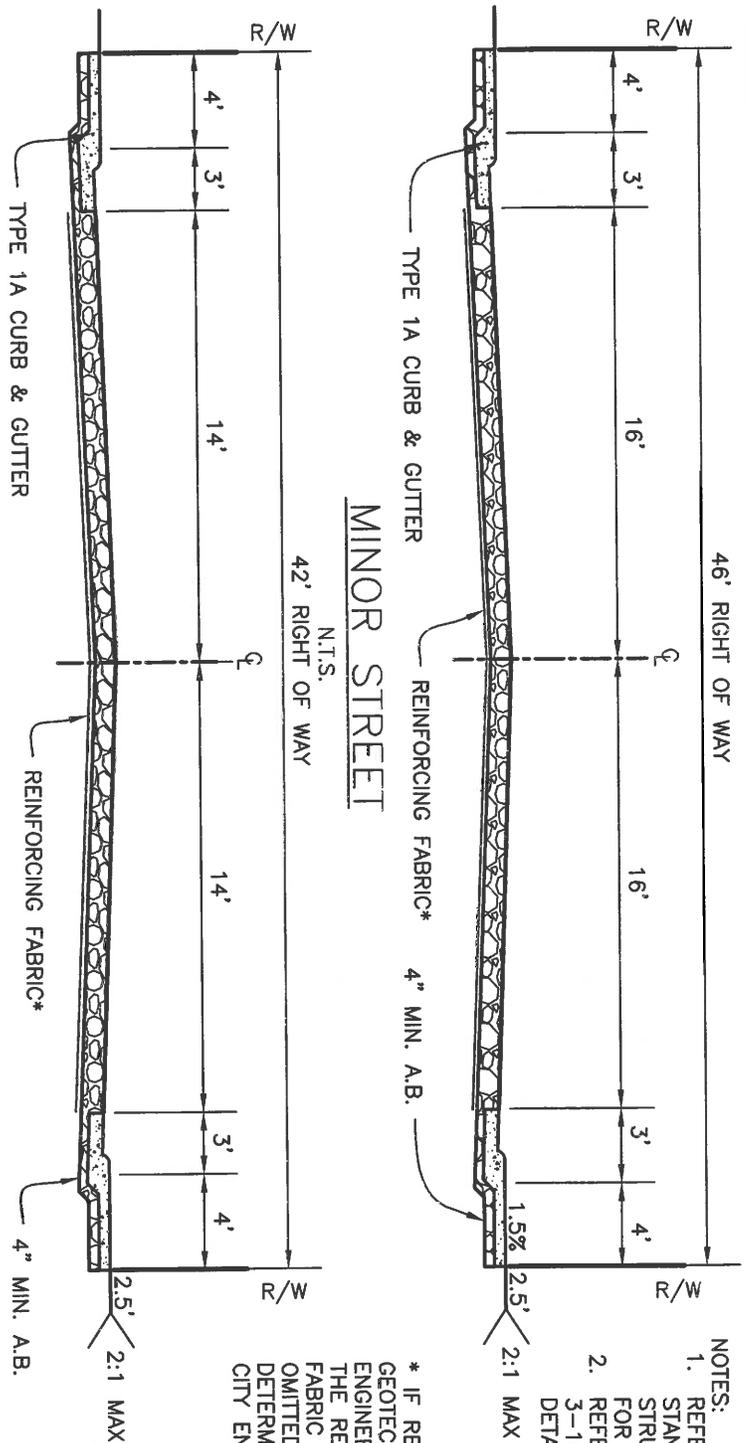
NO LONGER ACCEPTED

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 DRAWING APPROVED - CITY ENGINEER

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 DRAWING APPROVED - DIRECTOR OF PUBLIC WORKS

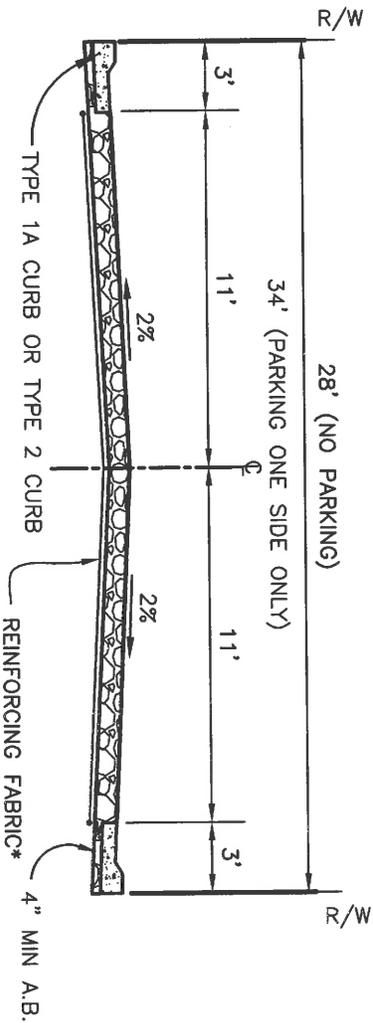
- NOTES:
1. ALL WORKMANSHIP SHALL BE SUBJECT TO INSPECTION AND PRESSURE TESTS FOR WATER PENETRATION GRADED OR BETTER WITH NO OPEN JOINTS.
 2. WORKMANSHIP SHALL NOT BE IN ANY MANNER TO STREET FRONT OF WALLS.
 3. CONCRETE SHALL BE PLACED AND CURED WITH DETAILS TO BE IDENTIFIED IN CONTRACT. CONCRETE SHALL BE CONFORMANT TO STATE STANDARD SPECIFICATIONS.
 4. ALL STRUCTURAL WALLS SHALL BE CONFORMANT TO STATE STANDARD SPECIFICATIONS FOR RETAINING WALLS CONSTRUCTION.
 5. ALL STRUCTURAL WALLS SHALL BE CONFORMANT TO STATE STANDARD SPECIFICATIONS FOR RETAINING WALLS CONSTRUCTION.
 6. ALL STRUCTURAL WALLS SHALL BE CONFORMANT TO STATE STANDARD SPECIFICATIONS FOR RETAINING WALLS CONSTRUCTION.
 7. ALL STRUCTURAL WALLS SHALL BE CONFORMANT TO STATE STANDARD SPECIFICATIONS FOR RETAINING WALLS CONSTRUCTION.
 8. ALL STRUCTURAL WALLS SHALL BE CONFORMANT TO STATE STANDARD SPECIFICATIONS FOR RETAINING WALLS CONSTRUCTION.
 9. ALL STRUCTURAL WALLS SHALL BE CONFORMANT TO STATE STANDARD SPECIFICATIONS FOR RETAINING WALLS CONSTRUCTION.
 10. ALL STRUCTURAL WALLS SHALL BE CONFORMANT TO STATE STANDARD SPECIFICATIONS FOR RETAINING WALLS CONSTRUCTION.

CITY OF ROCKLIN ENGINEERING DIVISION	
REDWOOD RETAINING WALL DETAILS	
SCALE: NONE	DWG #
DATE: MAY 2016	2-3
DRAWN BY: J. PINKHAM	



- NOTES:
1. REFER TO I.S. STANDARDS FOR STRUCTURAL SECTION FOR AC & AB
 2. REFER TO DETAIL 3-15 FOR SIDEWALK DETAILS

* IF RECOMMENDED BY GEOTECHNICAL ENGINEERING REPORT THE REINFORCING FABRIC MAY BE OMITTED AS DETERMINED BY THE CITY ENGINEER.



CUL-DE-SAC

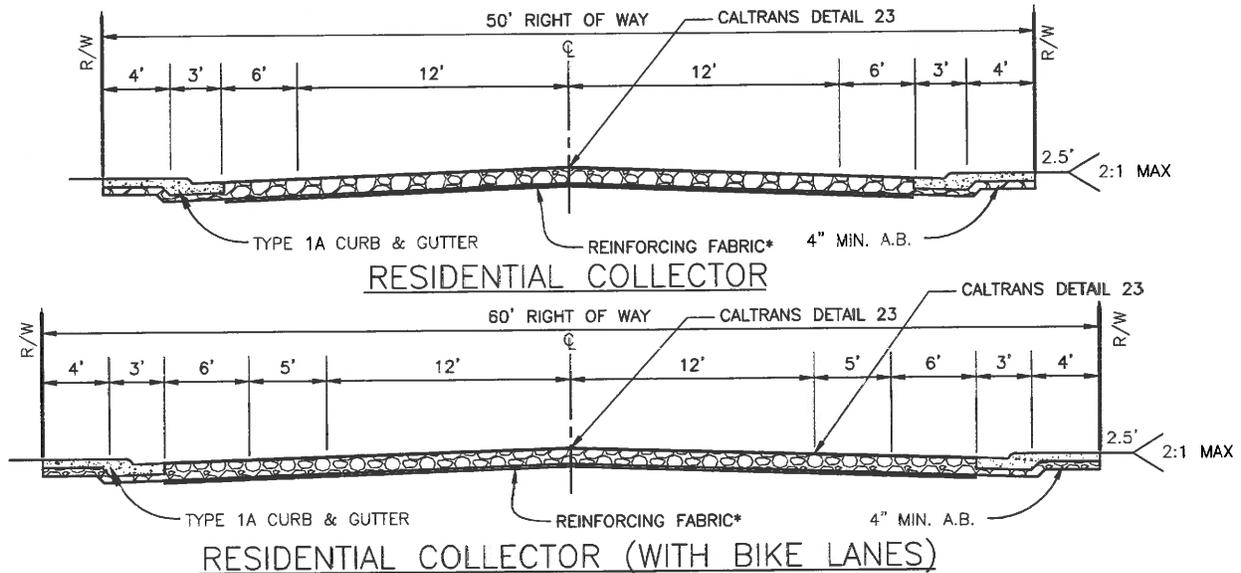
N.T.S.

TYPE P.D.
(NON-DEDICATED STREET PLANNED DEVELOPMENT)
N.T.S.

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CITY OF ROCKLIN ENGINEERING DIVISION	
TYPICAL SECTIONS RESIDENTIAL STREETS	
SCALE: NONE	DWG #
DATE: JULY 2015	3-1
DRAWN BY: J. PINKHAM	



* IF RECOMMENDED BY GEOTECHNICAL ENGINEERING REPORT THE REINFORCING FABRIC MAY BE OMITTED AS DETERMINED BY THE CITY ENGINEER.

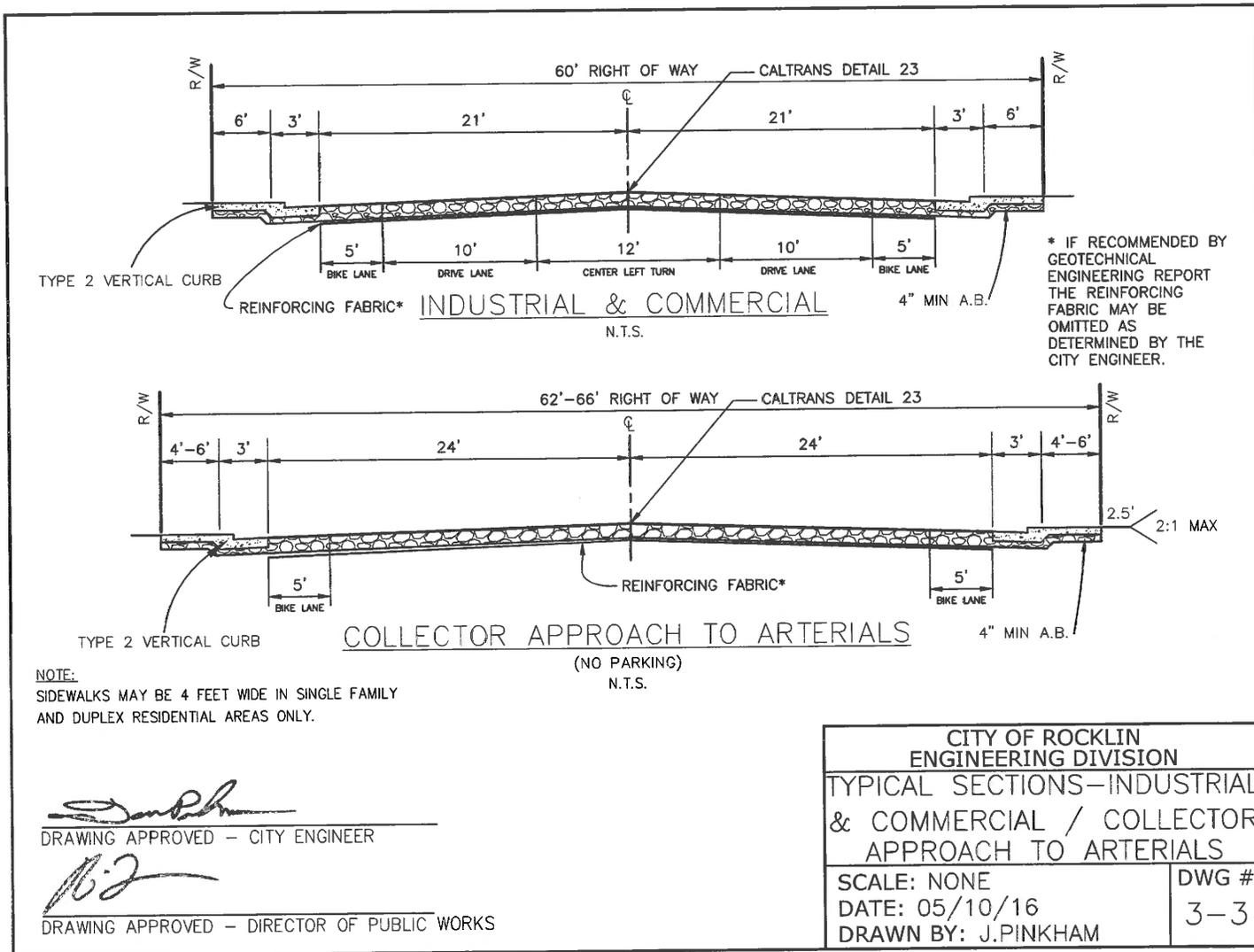
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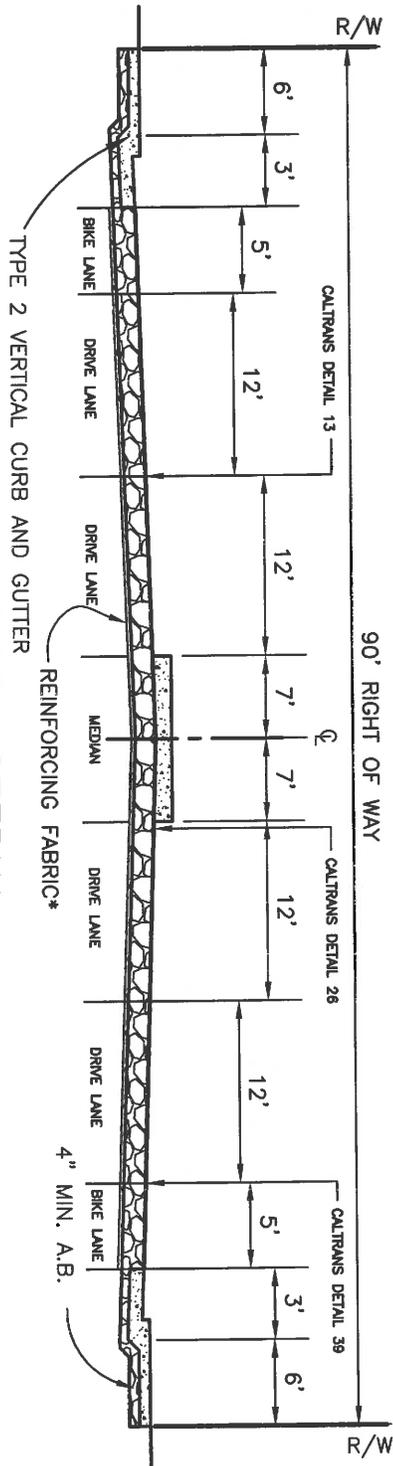
1. PAVEMENT SECTION TO BE AC ON AB. REFER TO SECTION I.S. 4-3 OF THE DESIGN STANDARDS FOR STREET PAVEMENT REQUIREMENTS.
2. REFER TO DETAIL 3-15 FOR SIDEWALK DETAILS.
3. ON INDUSTRIAL STREETS THE CENTER TWO WAY LEFT TURN (DETAIL 33) SHALL BE REPLACED BY A DETAIL "23" (CALTRANS) CENTERLINE STRIPING AND TURN LANES AS MAY BE REQUIRED. NO BIKE LANES ARE REQUIRED.
4. CURB AND GUTTER SHALL BE "TYPE 2" (3-15) AND SIDEWALK TO HAVE 6" THICK CONCRETE WITH 6" COMPACTED AGGREGATE BASE.
5. STRIPING DETAIL NUMBERS REFERENCE CALTRANS STANDARDS
6. P.U.E./T.C.E. - PUBLIC UTILITY EASEMENT / TRAFFIC CONTROL EASEMENT.
7. "NO PARKING" (R-26) SIGNS SHALL BE PLACED ON STREET LIGHT POLES WHERE BIKE LANES EXIST OR AS DIRECTED BY CITY ENGINEER.
8. SIGN DETAIL NUMBERS REFERENCE 2012 MUTCD
9. IN CERTAIN INSTANCES, WITH THE RECOMMENDATION OF THE PUBLIC WORKS DIRECTOR, AND APPROVAL OF CITY COUNCIL, THIS ROADWAY STANDARD MAY BE MODIFIED WITH THE DEMONSTRATION THAT "BLUEPRINT" GOALS AND OBJECTIVES OF A WALKABLE COMMUNITY ARE BEING ACHIEVED WITHIN A COMMUNITY PLAN.

[Signature]
DRAWING APPROVED - CITY ENGINEER

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CITY OF ROCKLIN ENGINEERING DIVISION TYPICAL SECTIONS RESIDENTIAL COLLECTOR STREETS	
SCALE: NONE DATE: DECEMBER 2015 DRAWN BY: J. PINKHAM	DWG # 3-2





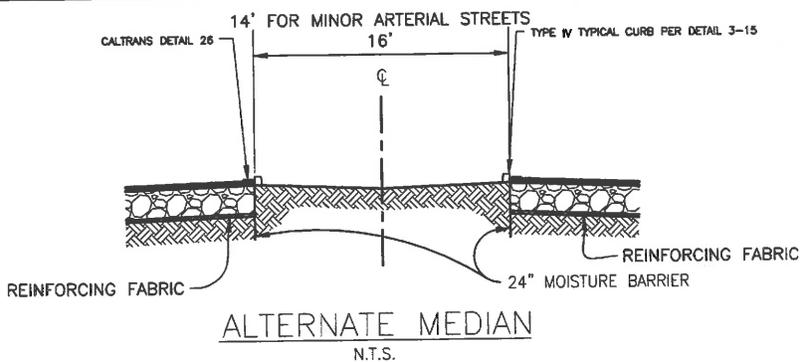
MINOR ARTERIAL
(WITH BIKE LANES AND MEDIUM)
N.I.S.

* IF RECOMMENDED BY
GEOTECHNICAL
ENGINEERING REPORT
THE REINFORCING
FABRIC MAY BE
OMITTED AS
DETERMINED BY THE
CITY ENGINEER.

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DRAWING APPROVED - CITY ENGINEER

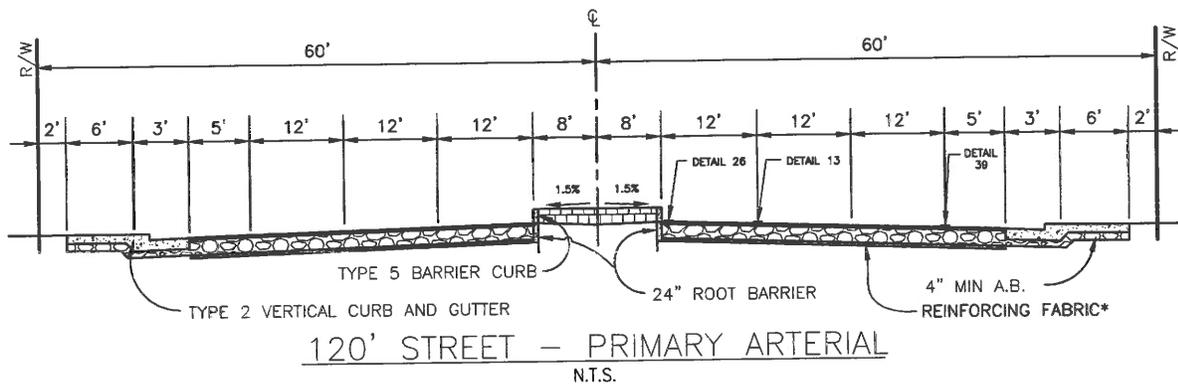
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DRAWING APPROVED - DIRECTOR OF PUBLIC WORKS

CITY OF ROCKLIN ENGINEERING DIVISION	
TYPICAL SECTIONS MINOR ARTERIAL STREETS	
SCALE: NONE	DWG #
DATE: JULY 2015	3-4
DRAWN BY: J. PINKHAM	



* IF RECOMMENDED BY GEOTECHNICAL ENGINEERING REPORT THE REINFORCING FABRIC MAY BE OMITTED AS DETERMINED BY THE CITY ENGINEER.

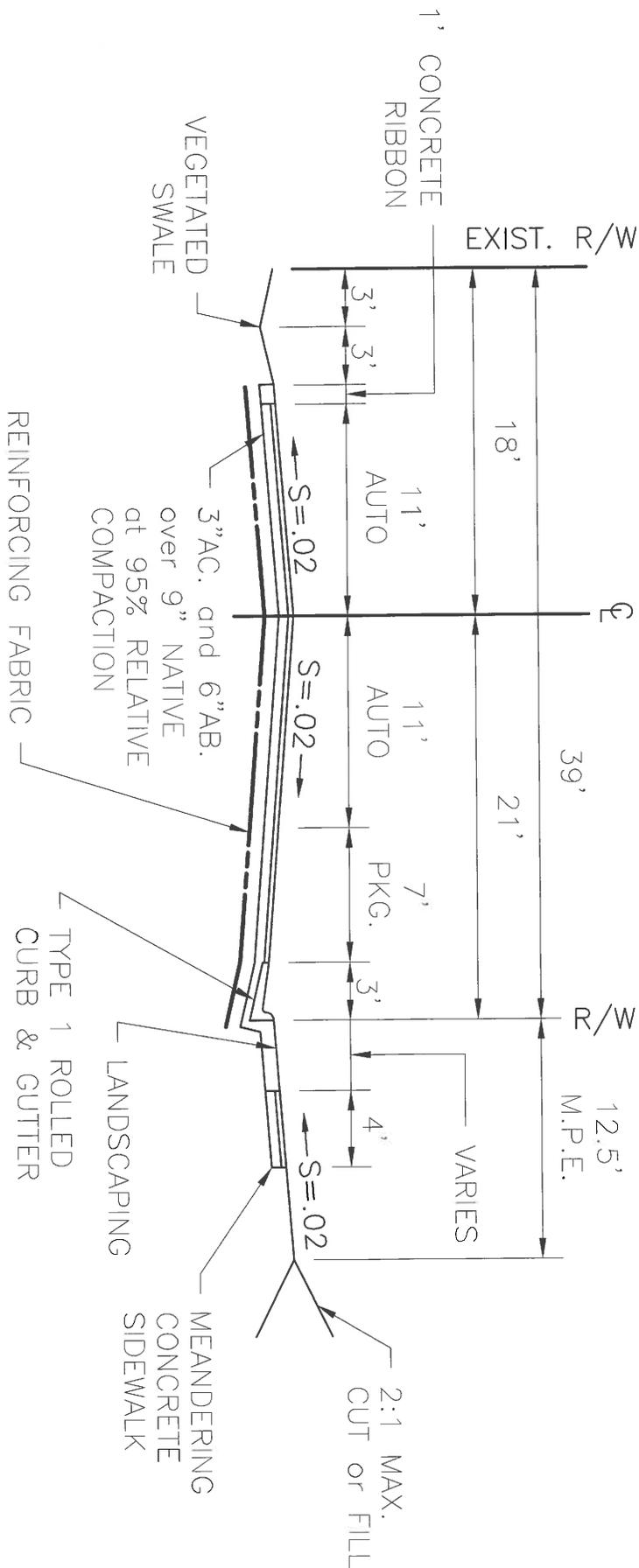
SEE IS 4-3 FOR STRUCTURAL STREET SECTION



[Signature]
DRAWING APPROVED - CITY ENGINEER

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DRAWING APPROVED - DIRECTOR OF PUBLIC WORKS

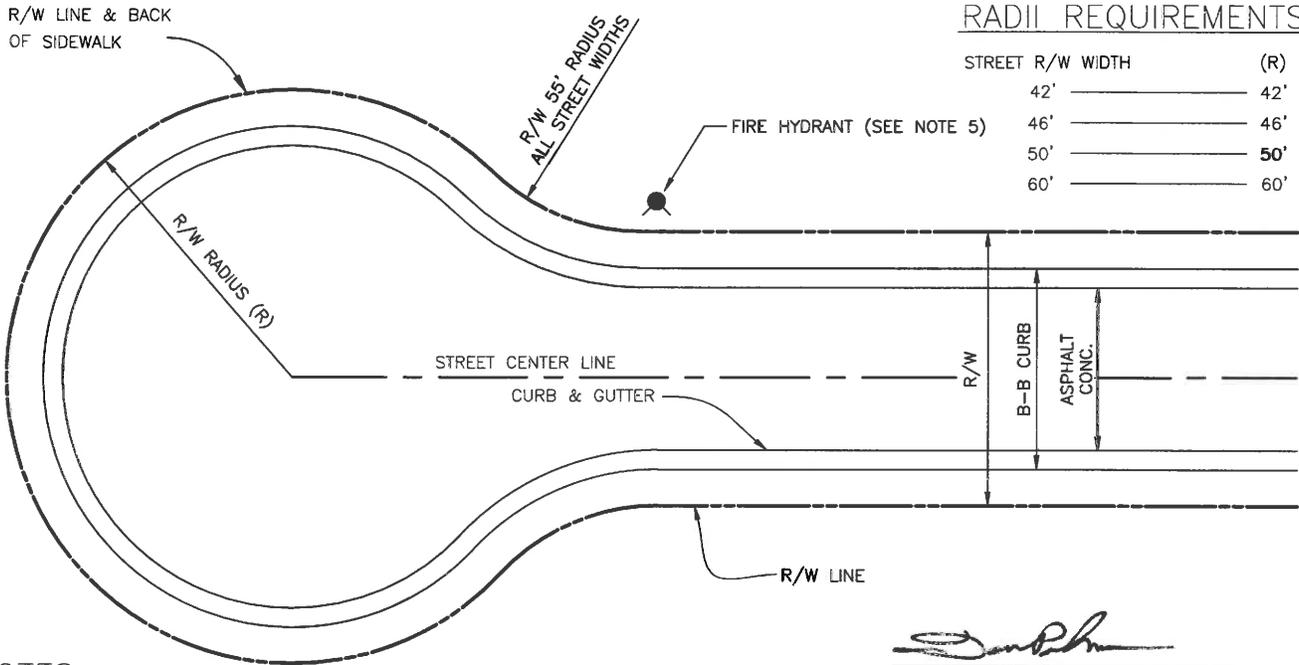
CITY OF ROCKLIN ENGINEERING DIVISION	
TYPICAL SECTIONS PRIMARY ARTERIAL STREETS	
SCALE: NONE	DWG #
DATE: DECEMBER 2015	3-5
DRAWN BY: J. PINKHAM	



<p>CITY OF ROCKLIN ENGINEERING DIVISION</p>	
<p>IMPROVED STREET WITH VEGETATED SOIL</p>	
<p>SCALE: NONE DATE: 05/02/16 DRAWN BY: J.PINKHAM</p>	<p>DWG # 3-6B</p>

RADI REQUIREMENTS:

STREET R/W WIDTH	(R)
42'	42'
46'	46'
50'	50'
60'	60'



NOTES:

1. A STANDARD CODE W53 (NOT A THROUGH STREET) SIGN IS TO BE POSTED AT THE ENTRANCE TO ALL CUL-DE-SACS SERVING MORE THAN TWELVE RESIDENCES. SEE CALTRANS W-53
2. A STANDARD CODE W53 (NOT A THROUGH STREET) SIGN IS TO BE INSTALLED AT THE ENTRANCE OF A CUL-DE-SAC WHEN THE CUL-DE-SAC IS AT THE PROLONGATION OF EITHER A STREET, DRIVE OR WAY.
3. A STANDARD CODE W53 (NOT A THROUGH STREET) SIGN IS TO BE INSTALLED AT THE ENTRANCE OF A CUL-DE-SAC WHEN THE CUL-DE-SAC HAS A CURVILINEAR ALIGNMENT AND OBSTRUCTED TERMINUS, REGARDLESS OF LENGTH.
4. A STANDARD CODE W53 (NOT A THROUGH STREET) SIGN IS TO BE INSTALLED AT THE ENTRANCE OF A CUL-DE-SAC WHEN THE LENGTH OF THE CUL-DE-SAC EXCEEDS 600 FEET. LENGTH OF CUL-DE-SAC STREETS SHALL BE MEASURED FROM CENTER OF BULB TO CENTERLINE OF EXISTING STREET.
5. ALL CUL-DE-SACS IN EXCESS OF 200' SHALL HAVE A FIRE HYDRANT INSTALLED AT THE BULB. SUBJECT TO THE APPROVAL OF THE FIRE DEPARTMENT.

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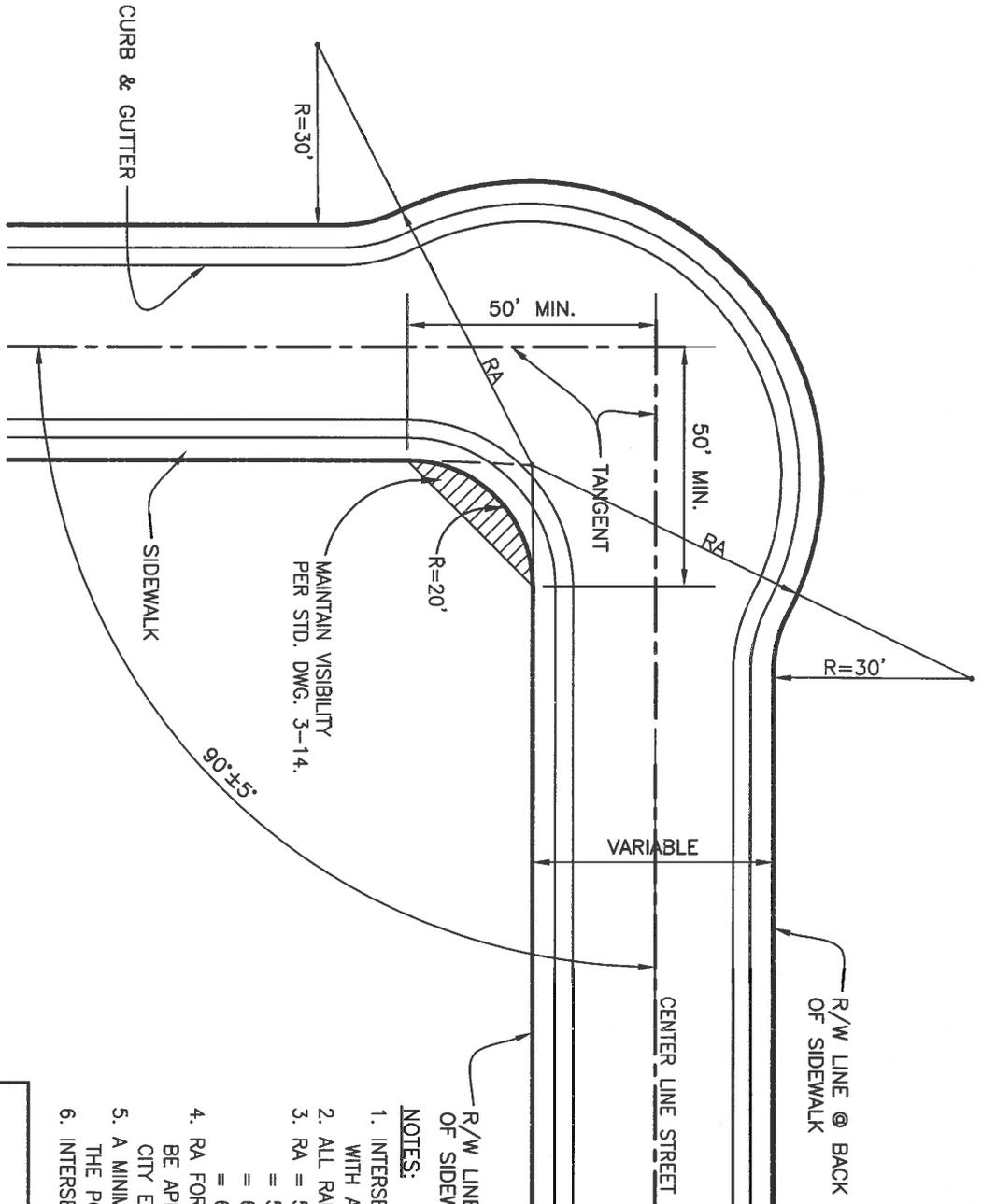
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CITY OF ROCKLIN
ENGINEERING DIVISION

CUL-DE-SAC

SCALE: NONE
DATE: MARCH 2006
DRAWN BY: J. PINKHAM

DWG #
3-7



R/W LINE @ BACK OF SIDEWALK

NOTES:

1. INTERSECTION BULBS ARE NOT REQUIRED ON STREETS WITH A CENTERLINE RADIUS OF 200' OR MORE.
2. ALL RADI SHOWN PERTAIN TO R/W LINES
3. $RA = 50'$ ON 42' STREETS
 $= 56'$ ON 46' STREETS
 $= 60'$ ON 50' STREETS
 $= 68'$ ON 60' STREETS
4. RA FOR STREETS W/ R/W GREATER THAN 60' SHALL BE APPROVED ON A CASE BY CASE BASIS BY THE CITY ENGINEER.
5. A MINIMUM OF 50' OF TANGENT IS REQUIRED FROM THE POINT OF INTERSECTION OF THE CENTERLINES.
6. INTERSECTION ANGLE SHALL BE 90° ±5°

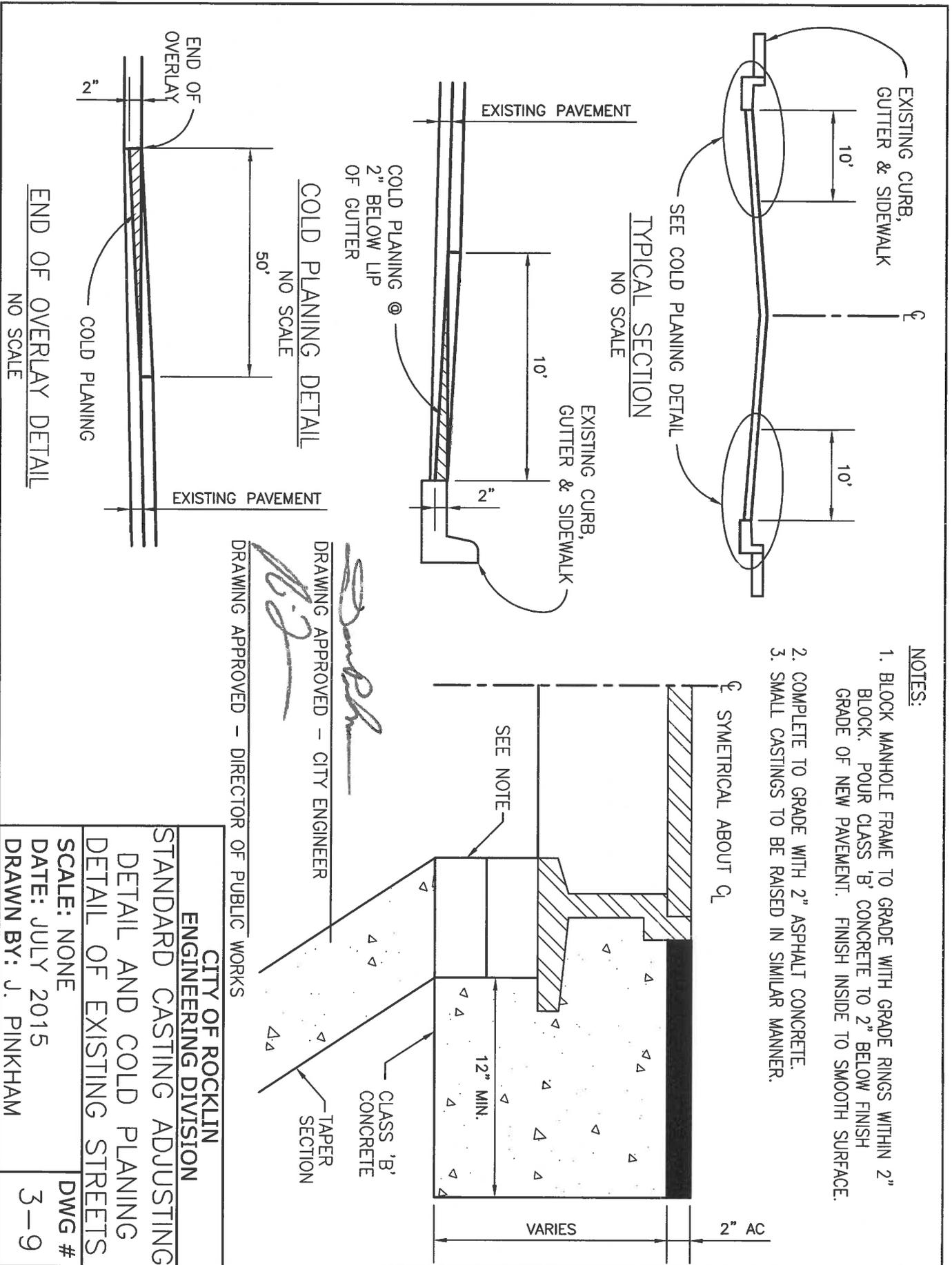
CITY OF ROCKLIN
ENGINEERING DIVISION

90° INTERSECTION ELBOW

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DRAWING APPROVED - DIRECTOR OF PUBLIC WORKS

SCALE: NONE	DWG #
DATE: MARCH 2006	3-8
DRAWN BY: K. SEIFRIED	

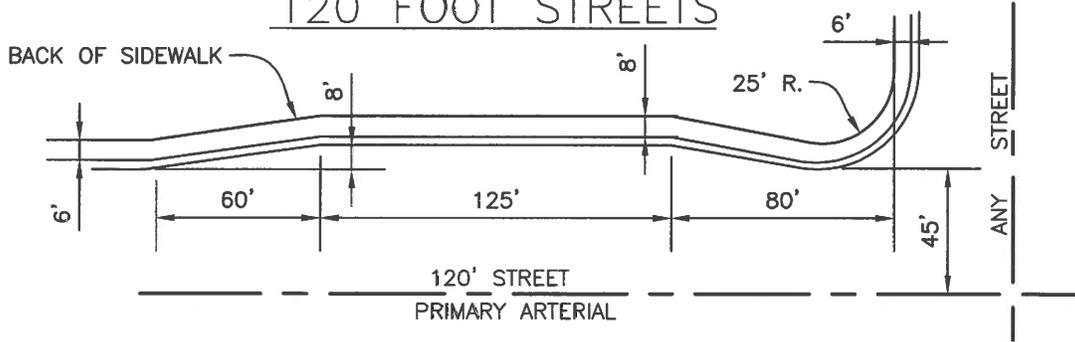


CITY OF ROCKLIN
ENGINEERING DIVISION
STANDARD CASTING ADJUSTING
DETAIL AND COLD PLANNING
DETAIL OF EXISTING STREETS

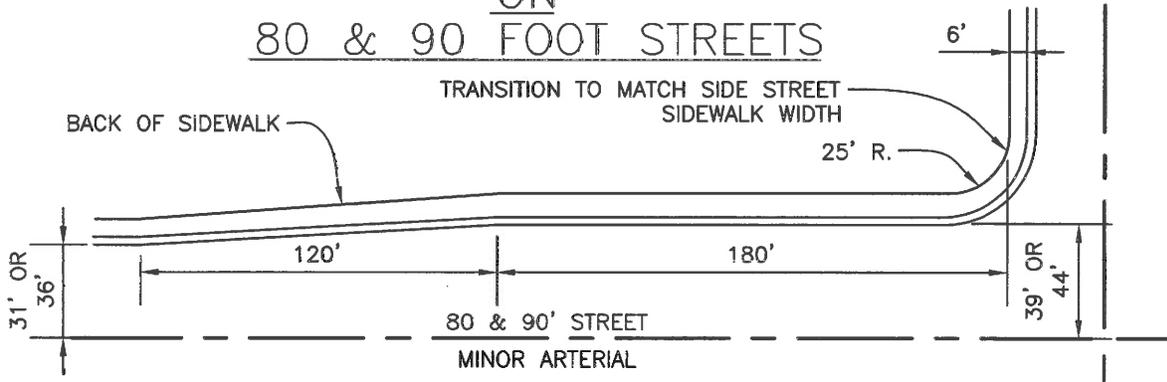
SCALE: NONE
DATE: JULY 2015
DRAWN BY: J. PINKHAM

DWG # 3-9

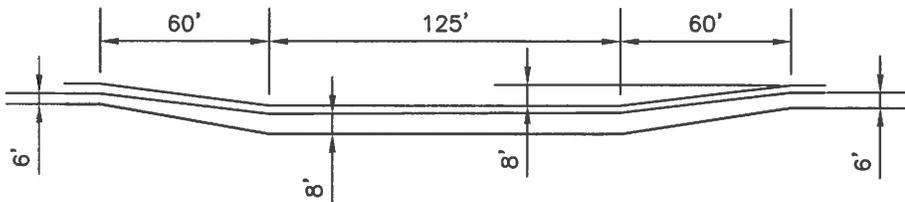
BUS TURNOUT ON 120 FOOT STREETS



BUS TURNOUT ON 80 & 90 FOOT STREETS



TYPICAL MID-BLOCK BUS TURNOUT



NOTE:
BUS STOPS AT INTERSECTIONS OF 80' STREETS
WITH 80'/90'/120' CROSS STREETS ARE PROVIDED
FOR BY STANDARD INTERSECTION WIDENING.

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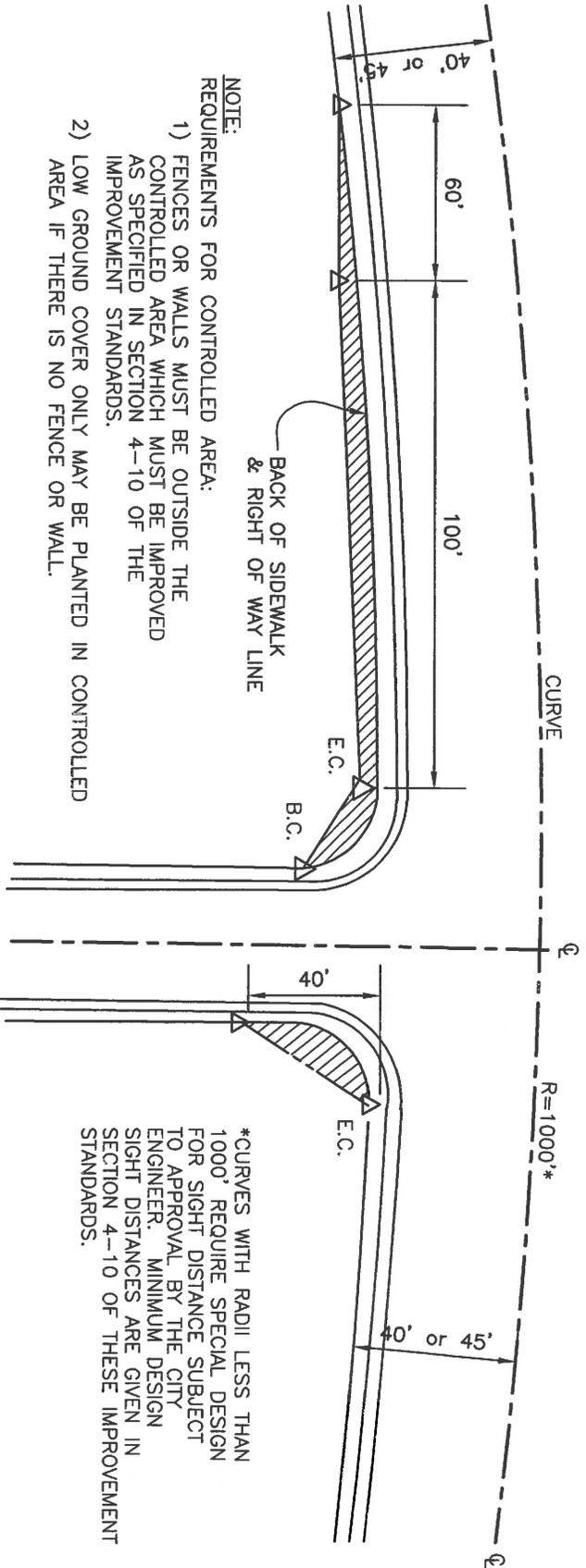
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CITY OF ROCKLIN
ENGINEERING DIVISION

BUS TURNOUT

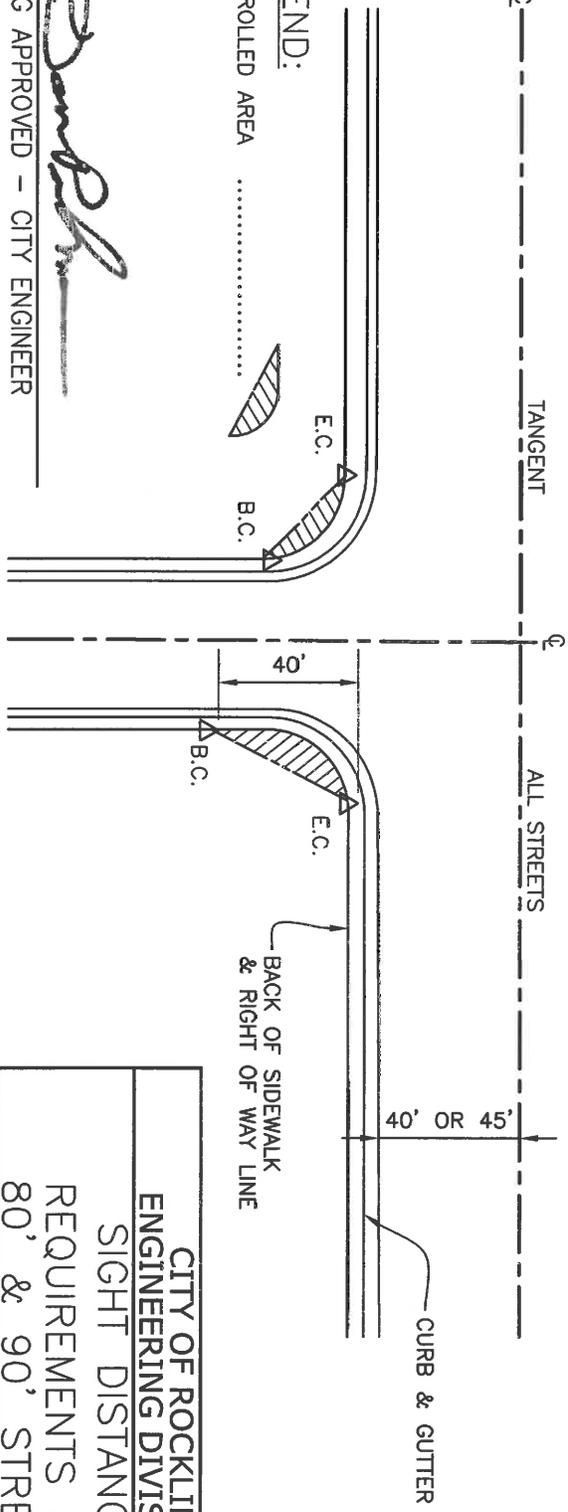
SCALE: NONE
DATE: JULY 2015
DRAWN BY: J. PINKHAM

DWG #
3-10



NOTE:
 REQUIREMENTS FOR CONTROLLED AREA:
 1) FENCES OR WALLS MUST BE OUTSIDE THE CONTROLLED AREA WHICH MUST BE IMPROVED AS SPECIFIED IN SECTION 4-10 OF THE IMPROVEMENT STANDARDS.
 2) LOW GROUND COVER ONLY MAY BE PLANTED IN CONTROLLED AREA IF THERE IS NO FENCE OR WALL.

LEGEND:
 CONTROLLED AREA

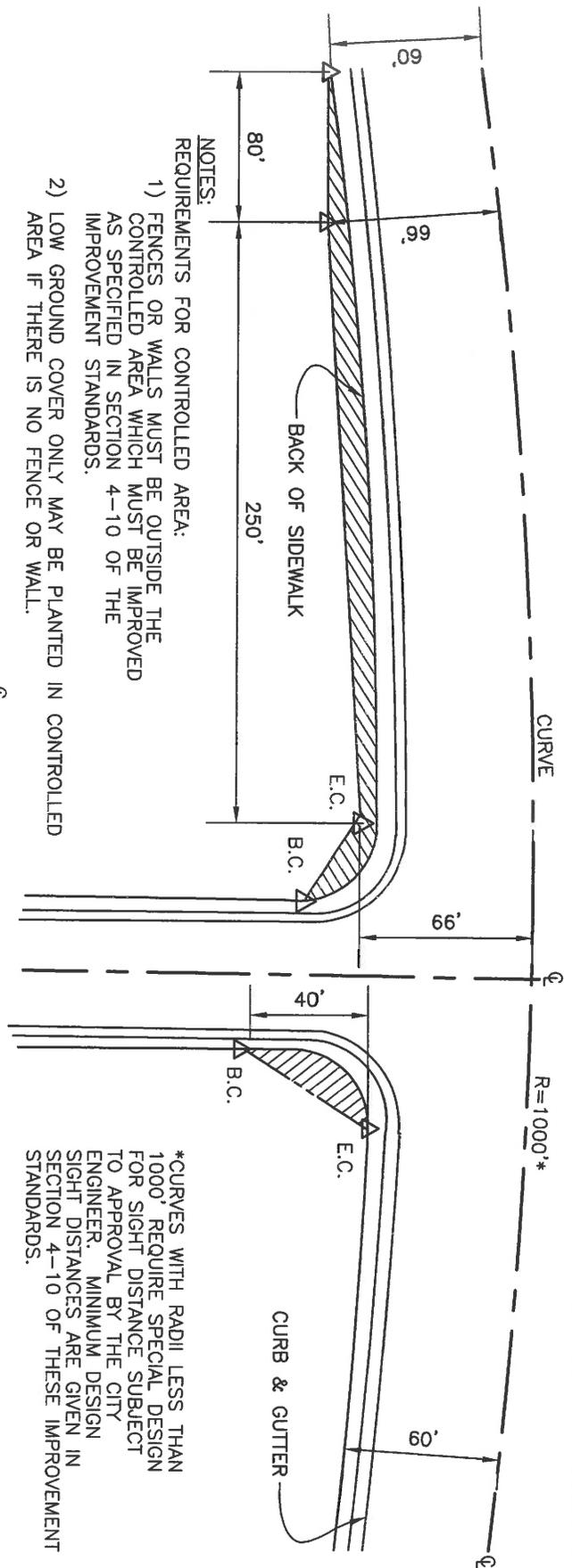


*CURVES WITH RADII LESS THAN 1000' REQUIRE SPECIAL DESIGN FOR SIGHT DISTANCE SUBJECT TO APPROVAL BY THE CITY ENGINEER. MINIMUM DESIGN SIGHT DISTANCES ARE GIVEN IN SECTION 4-10 OF THESE IMPROVEMENT STANDARDS.

DRAWING APPROVED - CITY ENGINEER

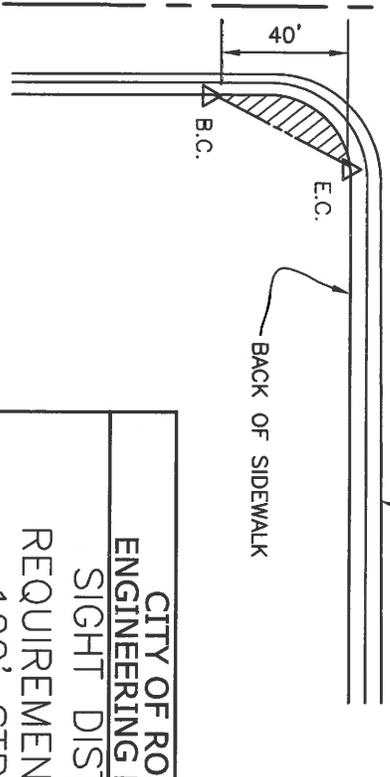
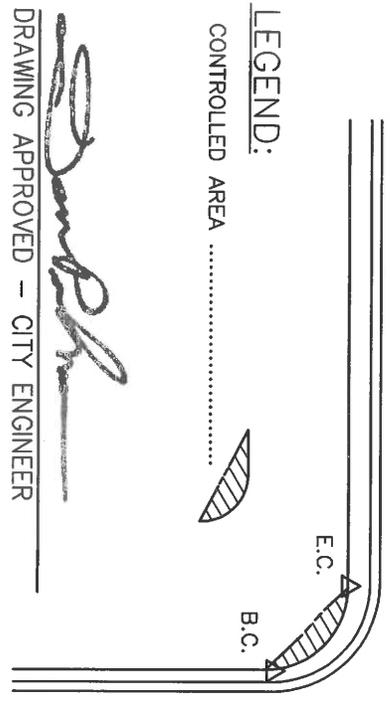
DRAWING APPROVED - DIRECTOR OF PUBLIC WORKS

CITY OF ROCKLIN ENGINEERING DIVISION	
SIGHT DISTANCE REQUIREMENTS FOR 80' & 90' STREETS	
SCALE: NONE	DWG #
DATE: JULY 2015	3-12
DRAWN BY: J. PINKHAM	



NOTES:
 REQUIREMENTS FOR CONTROLLED AREA:
 1) FENCES OR WALLS MUST BE OUTSIDE THE CONTROLLED AREA WHICH MUST BE IMPROVED AS SPECIFIED IN SECTION 4-10 OF THE IMPROVEMENT STANDARDS.
 2) LOW GROUND COVER ONLY MAY BE PLANTED IN CONTROLLED AREA IF THERE IS NO FENCE OR WALL.

*CURVES WITH RADII LESS THAN 1000' REQUIRE SPECIAL DESIGN FOR SIGHT DISTANCE SUBJECT TO APPROVAL BY THE CITY ENGINEER. MINIMUM DESIGN SIGHT DISTANCES ARE GIVEN IN SECTION 4-10 OF THESE IMPROVEMENT STANDARDS.



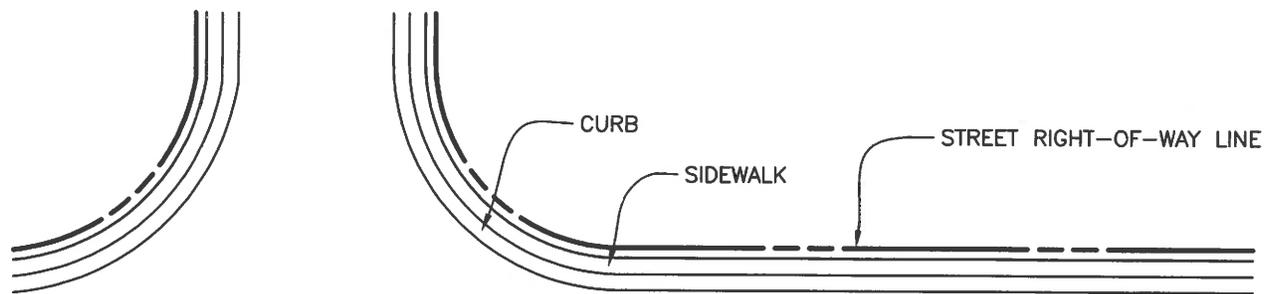
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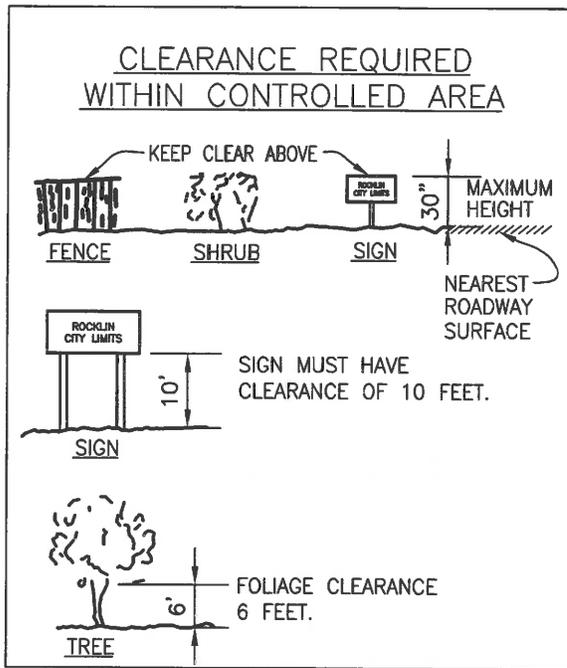
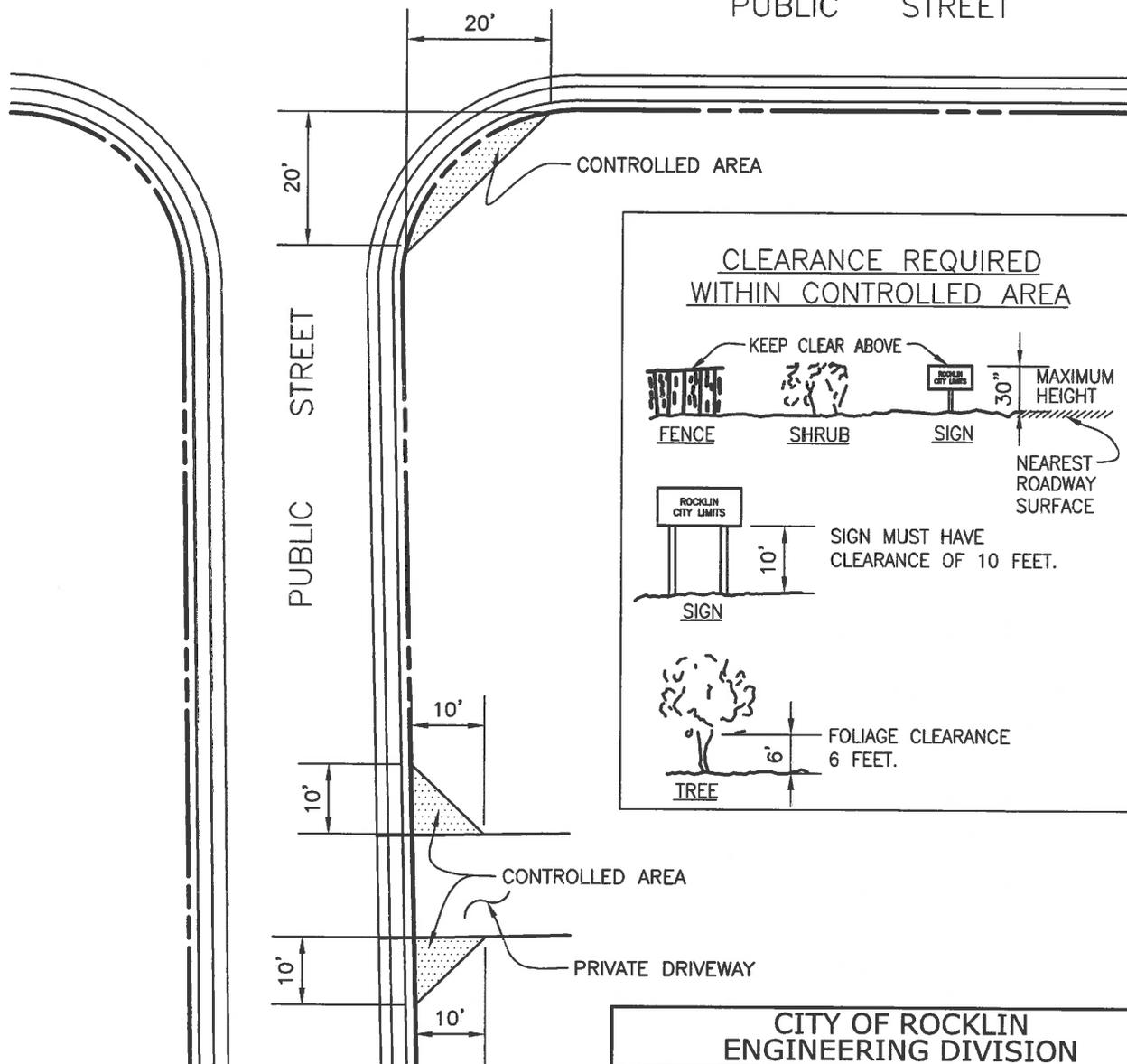
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CITY OF ROCKLIN ENGINEERING DIVISION	
SIGHT DISTANCE REQUIREMENTS FOR 120' STREETS	
SCALE: NONE	DWG #
DATE: JULY 2015	3-13
DRAWN BY: J. PINKHAM	



PUBLIC STREET



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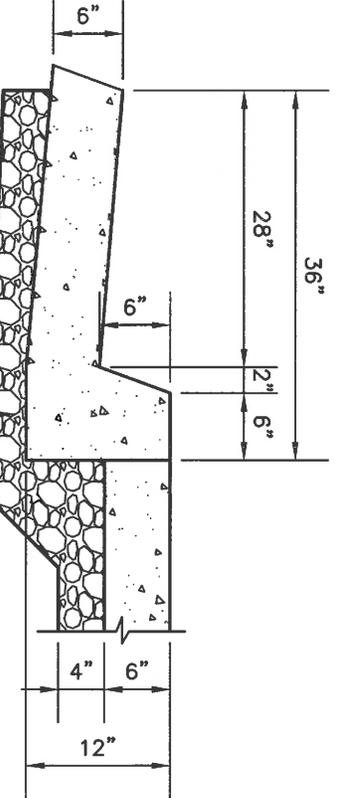
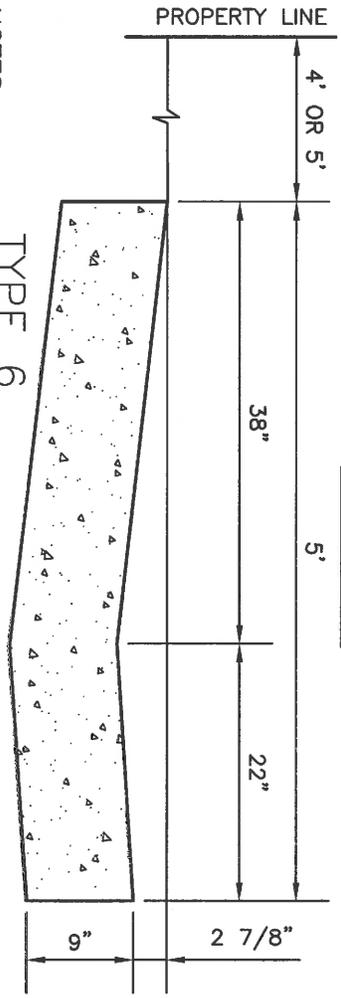
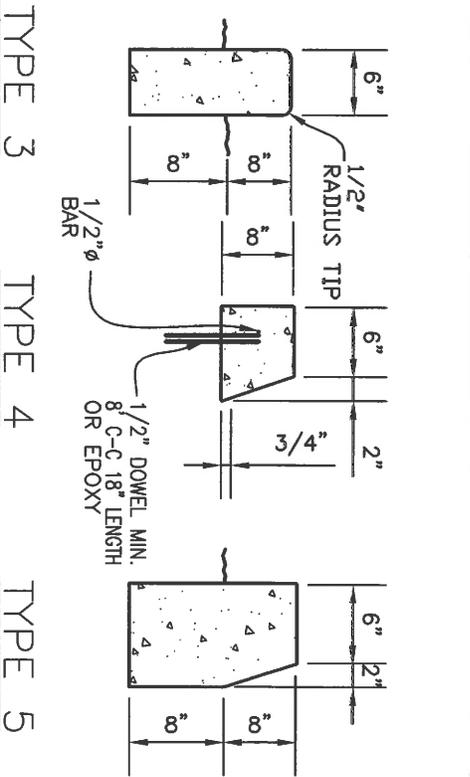
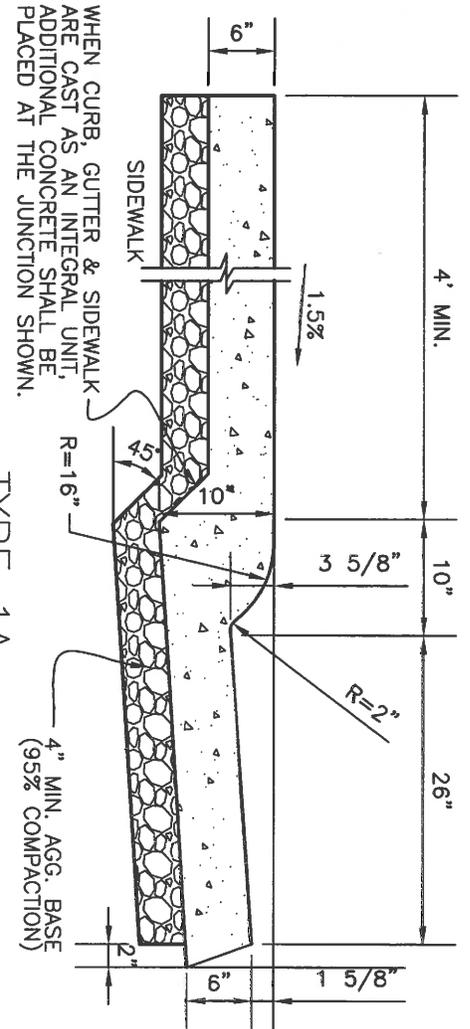
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CITY OF ROCKLIN
ENGINEERING DIVISION

VISIBILITY REQUIREMENTS

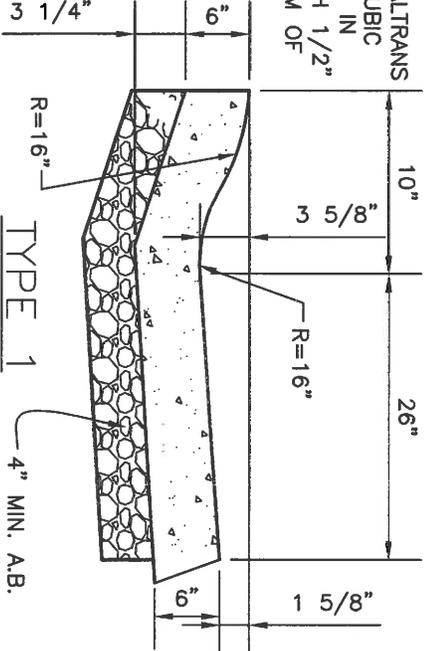
SCALE: NONE
DATE: JULY 2015
DRAWN BY: J. PINKHAM

DWG #
3-14



NOTES:
 1. LOCATE 1/2" TRANSVERSE EXPANSION JOINTS OF ASPHALT IMPREGNATED CELOTEX IN SIDEWALK CURB AND GUTTER AT 20' INTERVALS. ALL CONCRETE TO BE MINOR CONCRETE PER CALTRANS SPEC 90-2.02 MINIMUM 505LBS CEMENT/CUBIC YARD. REPLACEMENT SECTION OF CONCRETE IN EXISTING SIDEWALK SHALL BE DOWELED WITH 1/2" X 12" SMOOTH DOWELS IMBEDDED MINIMUM OF 4" INTO EXISTING CONCRETE.
 2. TYPE 4 CURB IS NOT ALLOWED WITHIN CITY RIGHT OF WAY.

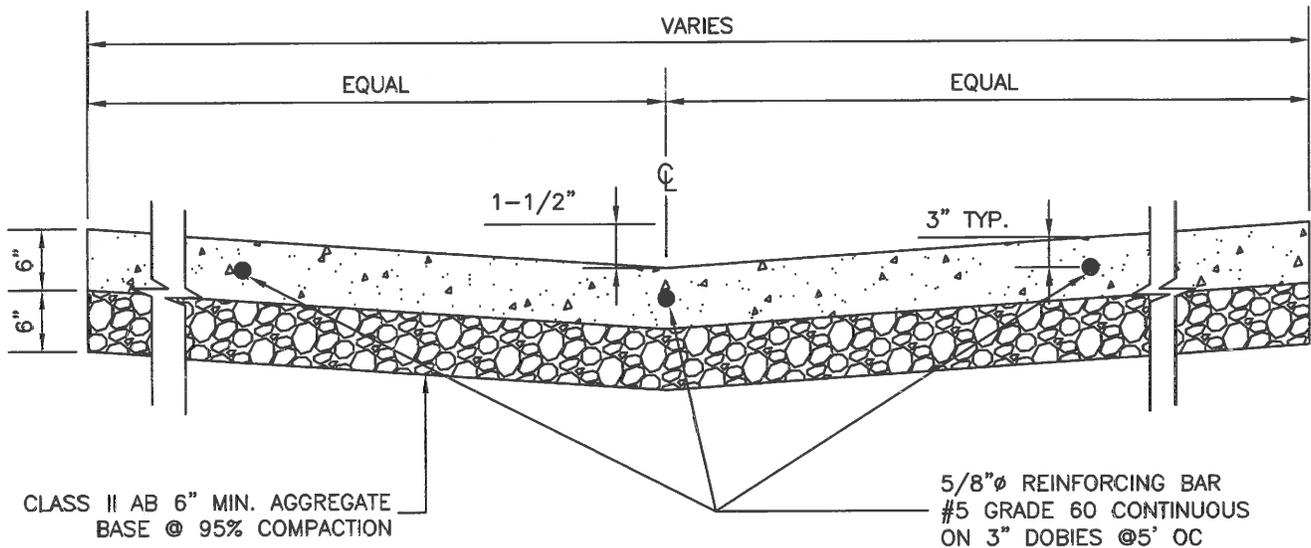
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CITY OF ROCKKLIN
 ENGINEERING DIVISION
 CURBS AND GUTTERS

SCALE: NONE
 DATE: MAY 2016
 DRAWN BY: J PINKHAM

DWG # 3-15

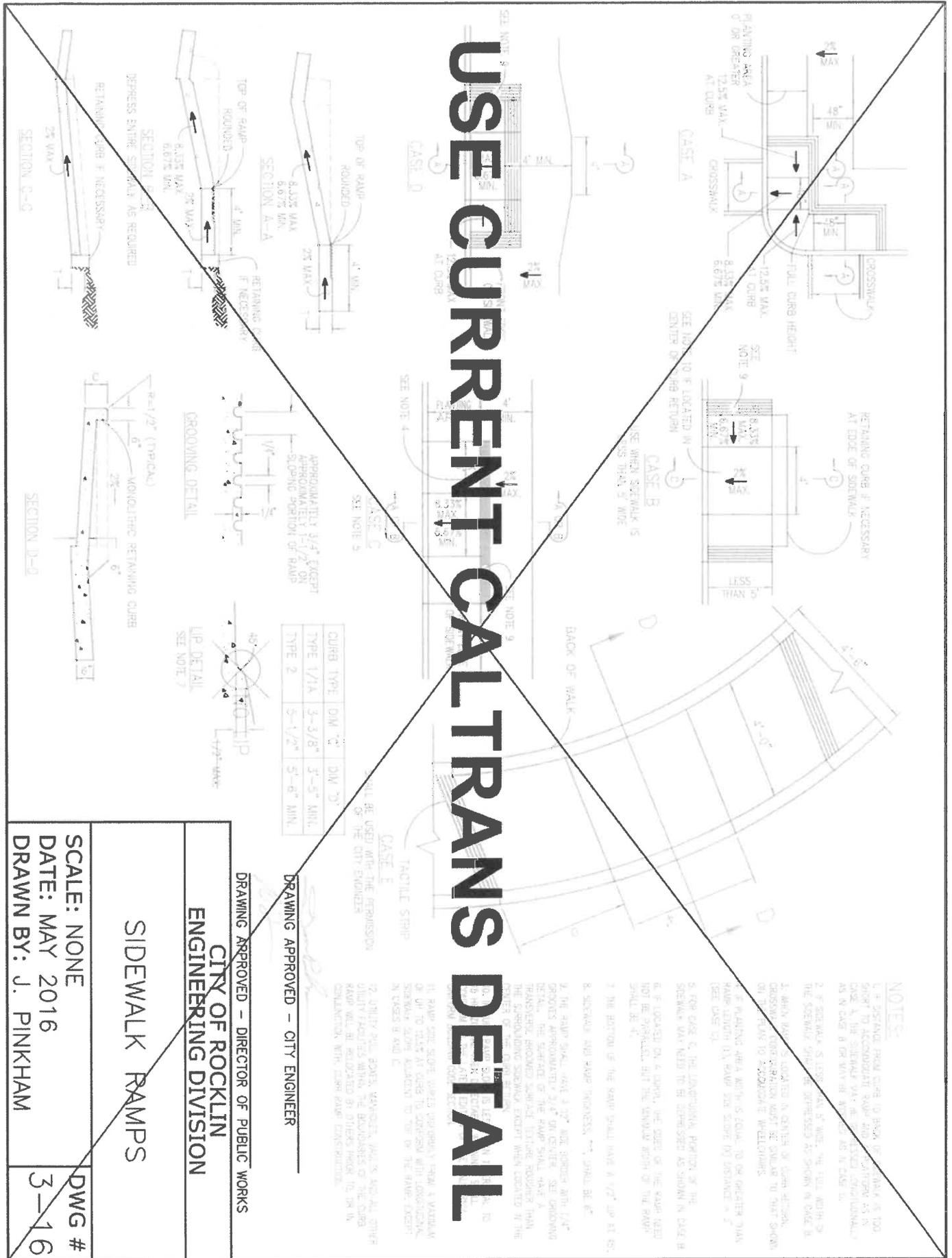


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DRAWING APPROVED - DIRECTOR OF PUBLIC WORKS

CITY OF ROCKLIN ENGINEERING DIVISION	
VALLEY GUTTER	
SCALE: NONE	DWG #
DATE: MAY 2016	3-15A
DRAWN BY: J. PINKHAM	

USE CURRENT CALTRANS DETAIL



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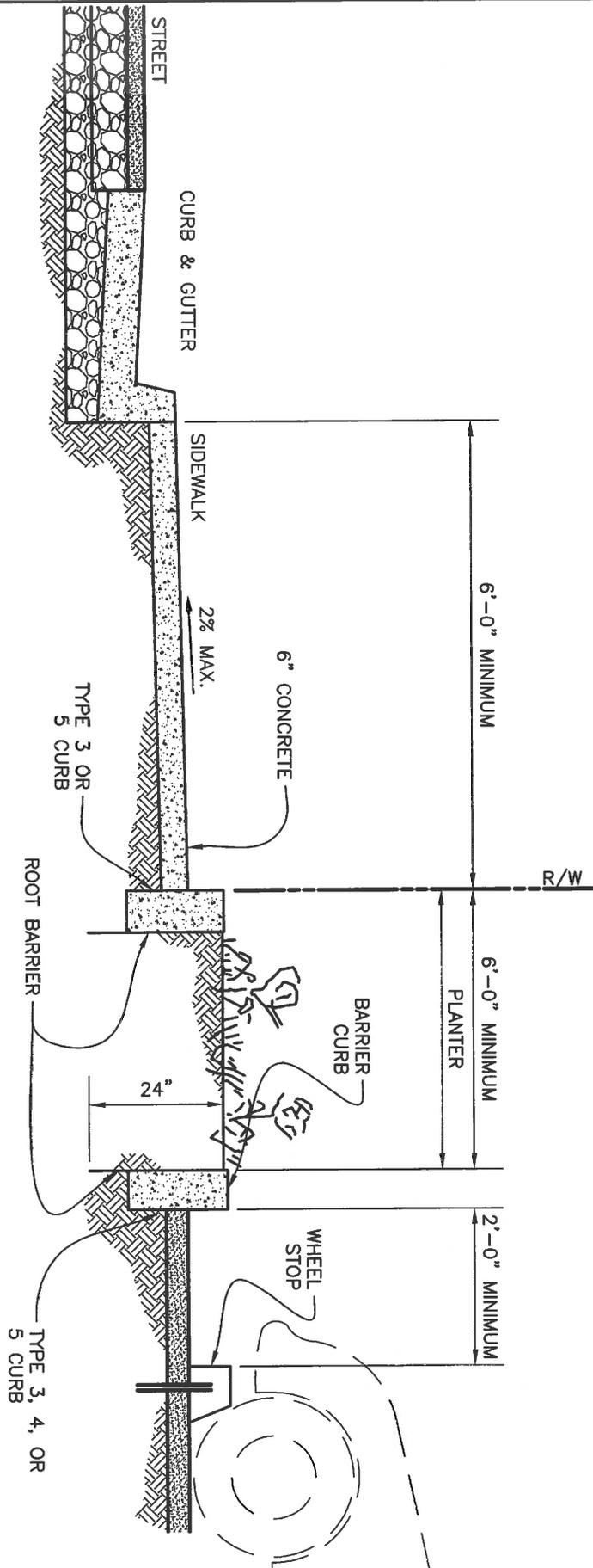
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CITY OF ROCKLIN
ENGINEERING DIVISION

SIDEWALK RAMPS

SCALE: NONE
DATE: MAY 2016
DRAWN BY: J. PINKHAM

DWG # 3-16



MINOR ARTERIAL, PRIMARY ARTERIAL, INDUSTRIAL
AND COMMERCIAL DEVELOPMENT

NOTES:

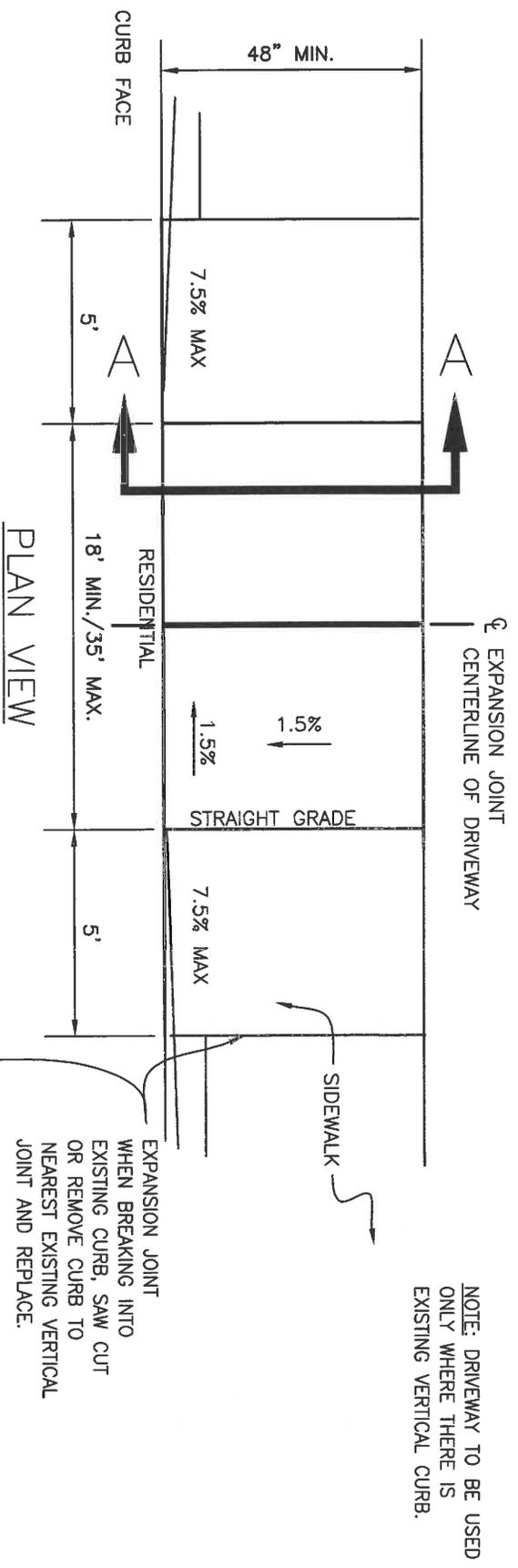
1. WHEEL STOPS ARE OPTIONAL IF REQUIRED PLANTER WIDTH IS INCREASED 2'-6" OR MORE.
2. BACK OF SIDEWALK PLANTER CURBS ONLY IF LOW GROUND COVER IS PLANTED TO BACK OF SIDEWALK, AND CONTINUOUS BARRIER CURB IS PLACED AT LOCATION SHOWN.

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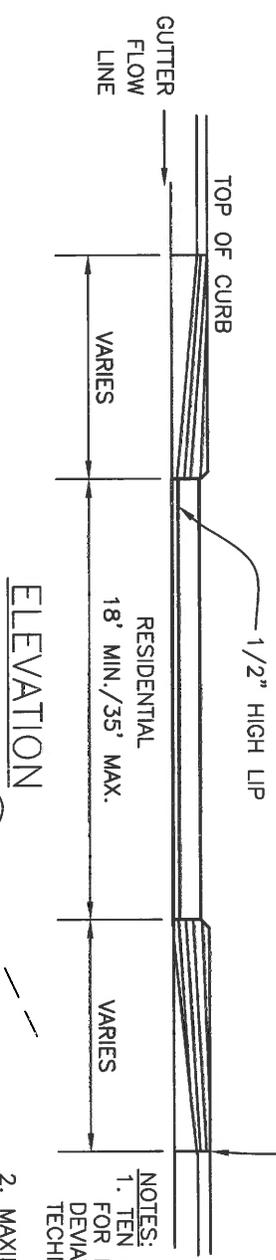
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CITY OF ROCKLIN ENGINEERING DIVISION	
PLANTER AND BARRIER CURB DETAILS	
SCALE: NONE	DWG #
DATE: AUGUST 2015	3-17
DRAWN BY: J. PINKHAM	

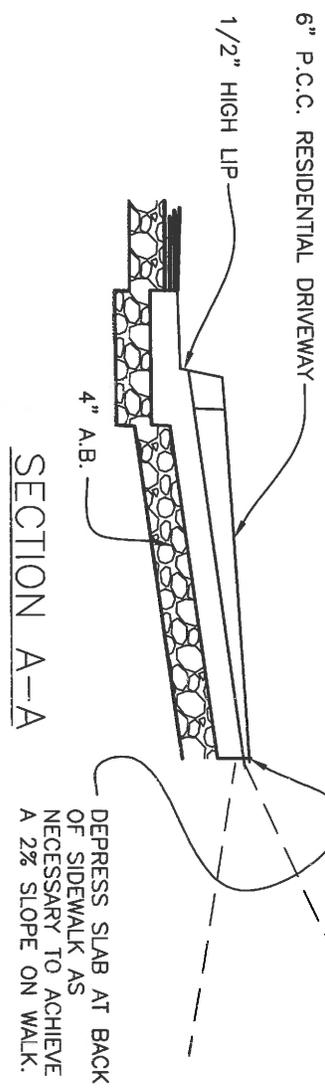


NOTE: DRIVEWAY TO BE USED ONLY WHERE THERE IS EXISTING VERTICAL CURB.

EXPANSION JOINT WHEN BREAKING INTO EXISTING CURB, SAW CUT OR REMOVE CURB TO NEAREST EXISTING VERTICAL JOINT AND REPLACE.



ELEVATION



SECTION A-A

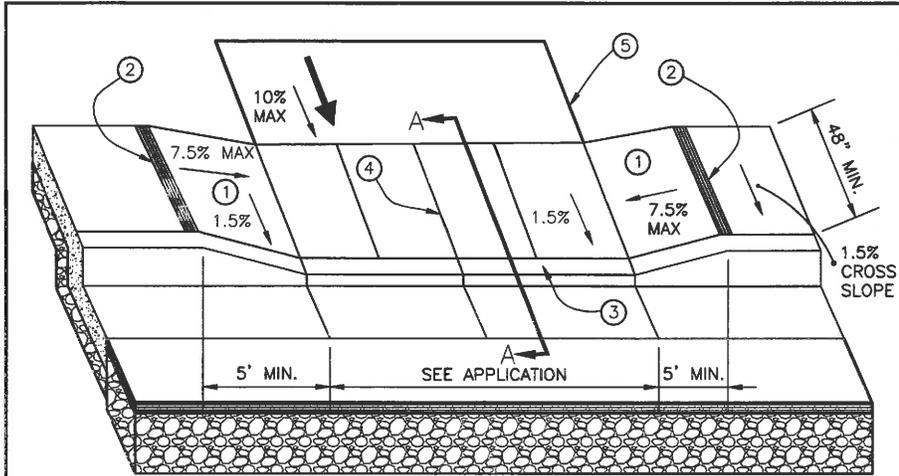
DEPRESS SLAB AT BACK OF SIDEWALK AS NECESSARY TO ACHIEVE A 2% SLOPE ON WALK.

- NOTES:
1. TEN PERCENT (10%) MAXIMUM SLOPE FOR RESIDENTIAL USES. FIVE PERCENT (5%) DEVIATION ALLOWED WITH SPECIAL CONSTRUCTION TECHNIQUES IF APPROVED BY THE CITY ENGINEER.
 2. MAXIMUM RISE, AND THE RUN, SHALL BE MEASURED FOR THE WORST CONDITION BETWEEN THE BACK OF THE SIDEWALK AND THE FINISHED FLOOR, AT THE GARAGE OR CARPORT ENTRANCE.

DRAWING APPROVED - CITY ENGINEER *[Signature]*

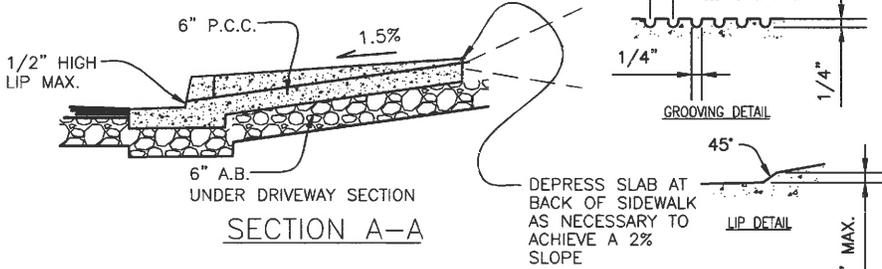
DRAWING APPROVED - DIRECTOR OF PUBLIC WORKS *[Signature]*

CITY OF ROCKLIN ENGINEERING DIVISION RESIDENTIAL STANDARD DRIVEWAY	
SCALE: NONE DATE: AUGUST 2015 DRAWN BY: J. PINKHAM	DWG # 3-18



LEGEND

1. SLOPE OF RAMP SHALL BE A MINIMUM OF 6.67% AND A MAXIMUM OF 7.5%.
2. TACTILE STRIP. REFER TO LATEST CALTRANS STANDARD. WHEN BREAKING INTO EXISTING CURB, SAW CUT TO NEAREST EXISTING VERTICAL JOINT AND REPLACE.
3. 1/2" HIGH LIP, MAXIMUM.
4. DEEP SCORE JOINT NOT TO EXCEED 10' BETWEEN JOINTS
5. DRIVE AISLE
6. NO EXPANSION FELT IN DRIVEWAY. EXPANSION FELT AT BOTTOM OF RAMPS



APPLICATION	MIN WIDTH	MAX WIDTH
LOTS WITH SIX (6) OR LESS SPACES SERVING RESIDENTIAL USES, EXISTING STRUCTURES CONVERTED TO OFFICE USE, AND NEWLY CONSTRUCTED OFFICES (IF ACCESS IS LESS THAN 150' FROM STREET).	15'	20'
LOTS WITH SIX (6) OR LESS SPACES SERVING COMMERCIAL AND INDUSTRIAL USES AND WHERE ANY BUILDING TO BE SERVED IS MORE THAN 150' FROM THE STREET R/W.	25'	35'
LOTS WITH MORE THAN SIX (6) SPACES, BUT LESS THAN 20 SPACES AND WITH SEPARATE ENTRANCES AND EXITS (ONE WAY DRIVEWAYS)	25'	35'
LOTS WITH MORE THAN SIX (6) SPACES, BUT LESS THAN 20 SPACES AND WITH ONLY ONE POINT OF ENTRANCE AND EXIT (TWO WAY DRIVEWAYS) AND LOTS WITH 20 OR MORE SPACES SERVING OFFICE & RESIDENTIAL USES.	25'	35'
LOTS WITH 20 OR MORE SPACES SERVING COMMERCIAL AND INDUSTRIAL USES.	25'	45'
LOTS WHERE ANY TYPE OF USE REQUIRES FIRE TRUCK ACCESS BY DRIVEWAY.	25'	45'

NOTES:

- A. FIVE PERCENT (5%) MAXIMUM SLOPE FOR COMMERCIAL AND INDUSTRIAL USES. FIVE PERCENT (5%) DEVIATION ALLOWED WITH SPECIAL CONSTRUCTION TECHNIQUES IF APPROVED BY THE CITY ENGINEER.
- B. MAXIMUM RISE, AND THE RUN, SHALL BE MEASURED FOR THE WORST CONDITION BETWEEN THE BACK OF THE SIDEWALK AND THE FINISHED FLOOR, AT THE GARAGE OR CARPORT ENTRANCE.

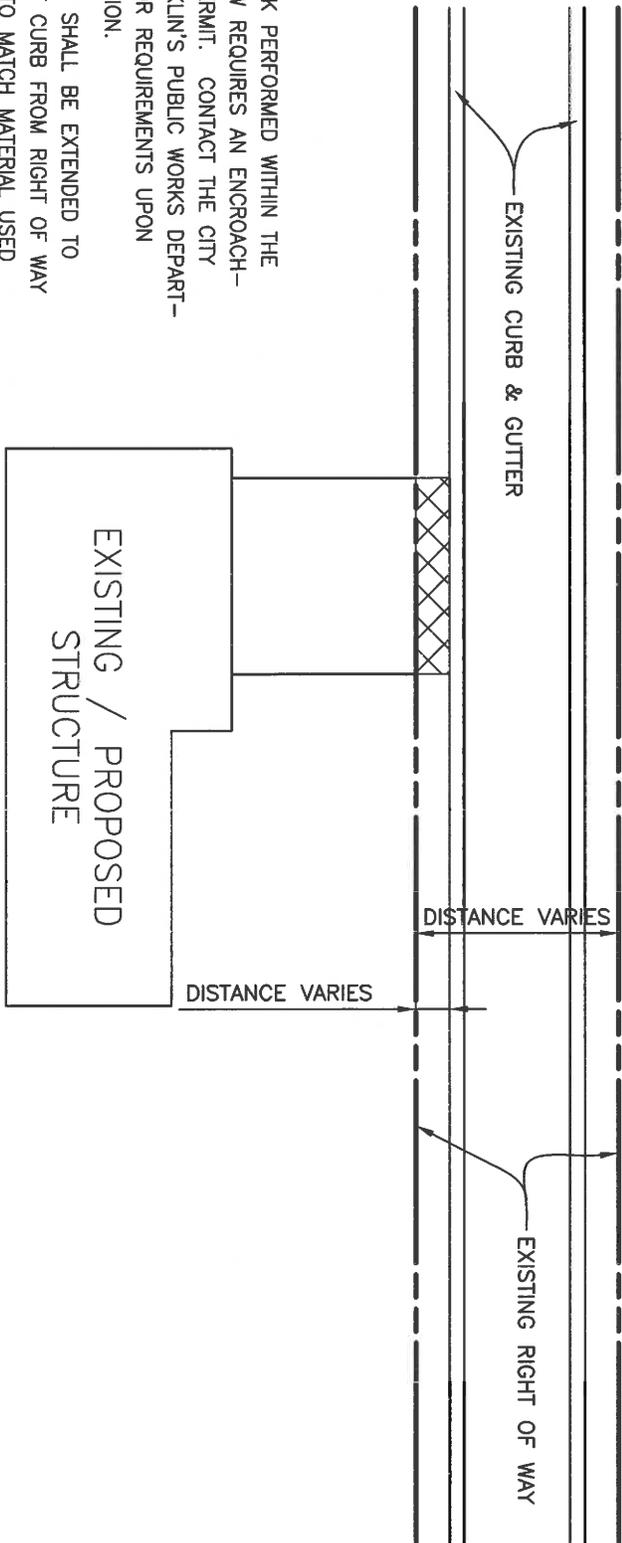
**CITY OF ROCKLIN
ENGINEERING DIVISION
COMMERCIAL AND
INDUSTRIAL STANDARD
DRIVEWAY**

SCALE: NONE	DWG #
DATE: DECEMBER 2015	3-19
DRAWN BY: J. PINKHAM	

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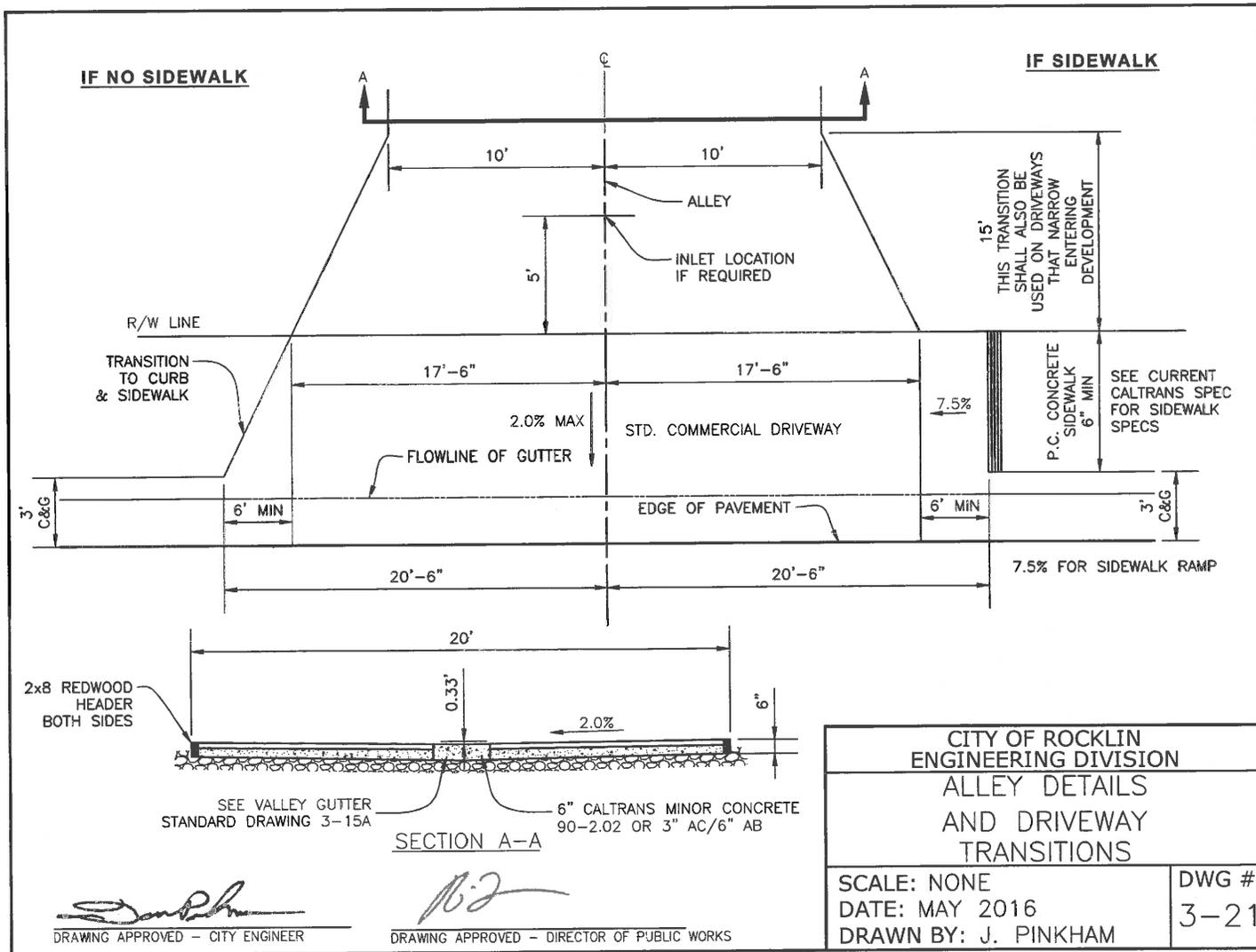
- NOTES:
- 1) ANY WORK PERFORMED WITHIN THE CITY R/W REQUIRES AN ENCROACHMENT PERMIT. CONTACT THE CITY OF ROCKLIN'S PUBLIC WORKS DEPARTMENT FOR REQUIREMENTS UPON APPLICATION.
 - 2) DRIVEWAY SHALL BE EXTENDED TO BACK OF CURB FROM RIGHT OF WAY AND IS TO MATCH MATERIAL USED FOR DRIVEWAY I.E.: CONCRETE, AC, ETC.

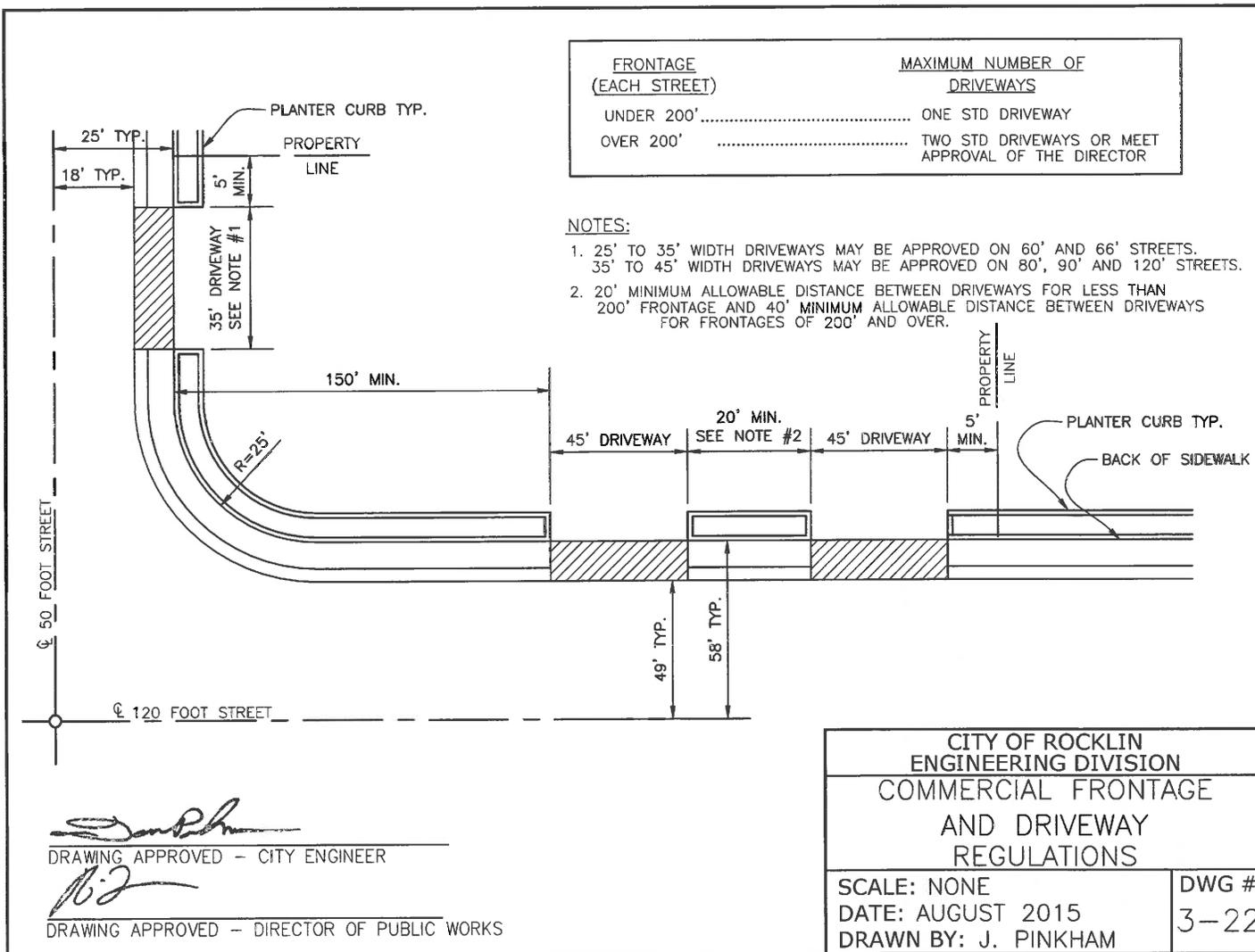


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CITY OF ROCKLIN ENGINEERING DIVISION	
DRIVEWAY APPROACH DETAIL FOR AREAS WITH CURB & GUTTER, NO SIDEWALKS	
SCALE: NONE	DWG #
DATE: AUGUST 2015	3-20
DRAWN BY: J. PINKHAM	



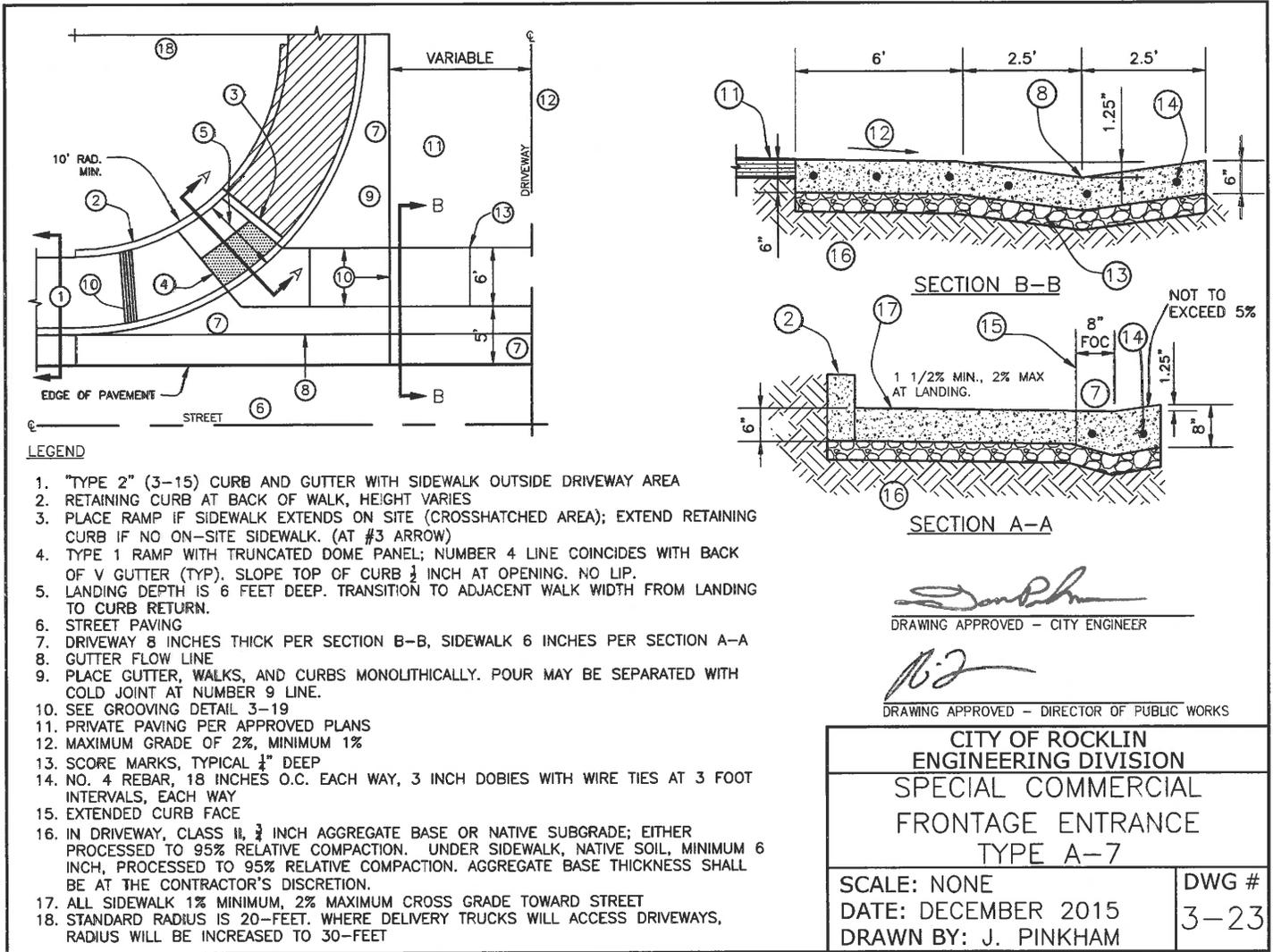


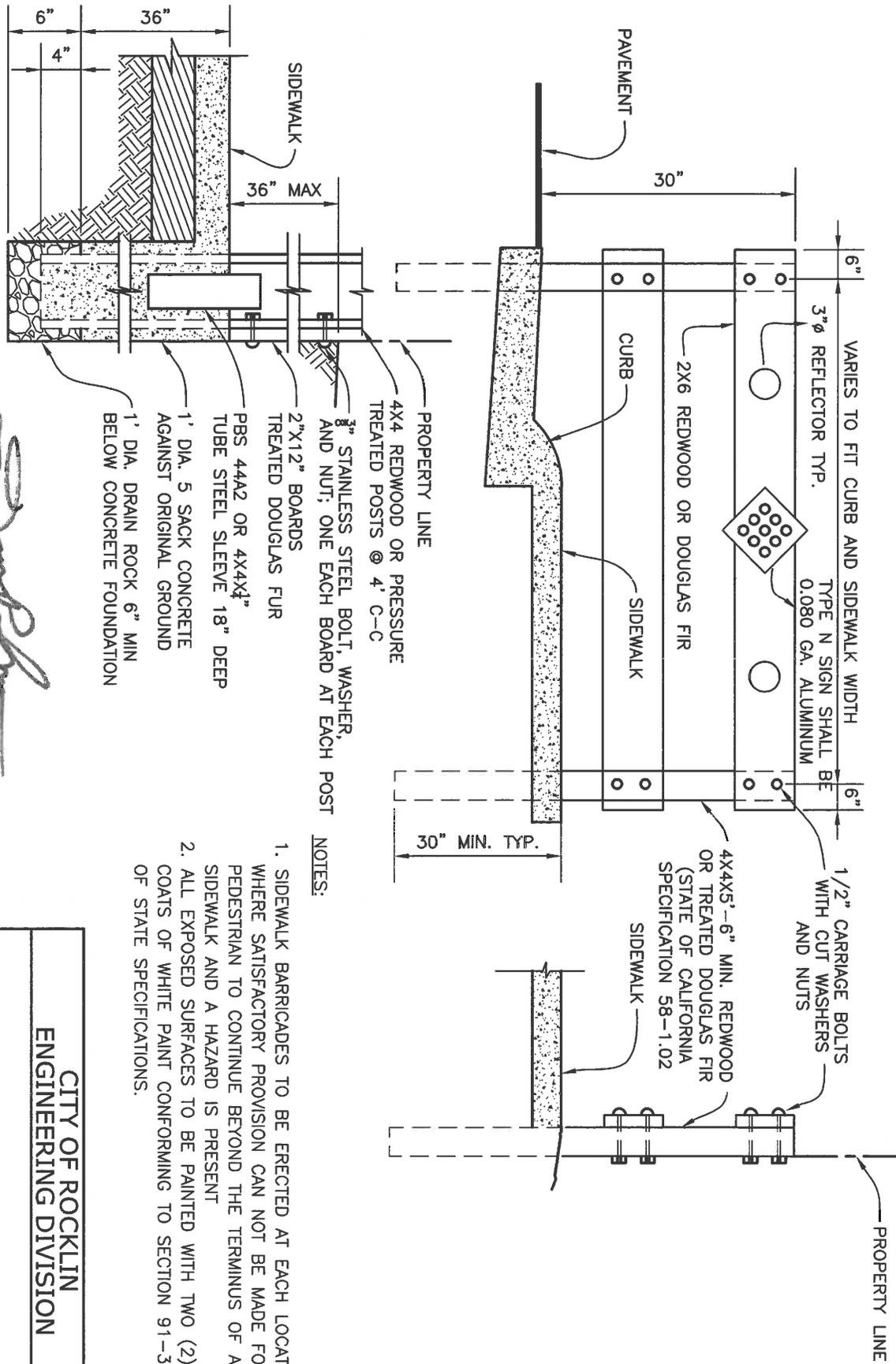
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DRAWING APPROVED - DIRECTOR OF PUBLIC WORKS

CITY OF ROCKLIN
ENGINEERING DIVISION
COMMERCIAL FRONTAGE
AND DRIVEWAY
REGULATIONS

SCALE: NONE	DWG #
DATE: AUGUST 2015	3-22
DRAWN BY: J. PINKHAM	





- NOTES:
1. SIDEWALK BARRICADES TO BE ERRECTED AT EACH LOCATION WHERE SATISFACTORY PROVISION CAN NOT BE MADE FOR PEDESTRIAN TO CONTINUE BEYOND THE TERMINUS OF A SIDEWALK AND A HAZARD IS PRESENT
 2. ALL EXPOSED SURFACES TO BE PAINTED WITH TWO (2) COATS OF WHITE PAINT CONFORMING TO SECTION 91-3 OF STATE SPECIFICATIONS.

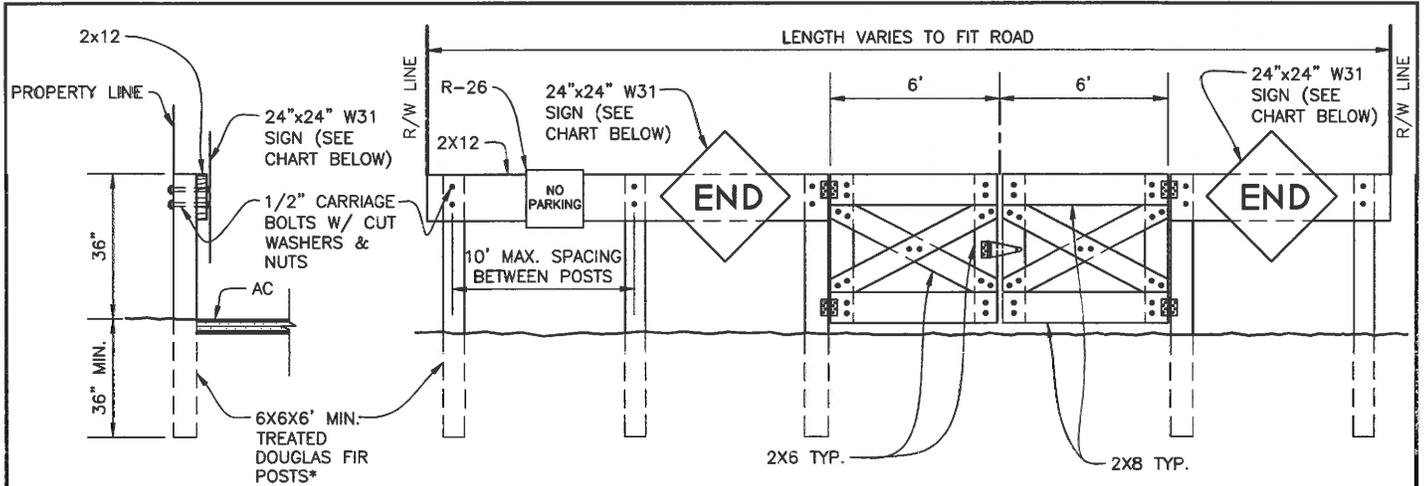
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CITY OF ROCKLIN
ENGINEERING DIVISION
SIDEWALK BARRICADE

SCALE: NONE	DWG #
DATE: DECEMBER 2015	3-24
DRAWN BY: J. PINKHAM	



NOTES:

1. WHERE PERMISSION HAS BEEN GRANTED TO CLOSE EXISTING PUBLIC STREET, A C2 "ROAD CLOSED" SIGN WILL BE REQUIRED ON THE CENTERLINE OF THE ROAD IN ADDITION TO THE W31 "END" SIGNS.
2. 24" x 24" W31 SIGNS AND 18" x 18" RED TYPE N MARKERS. BLOCK OUT AS NECESSARY FOR TYPE N MARKER TOP MOUNTING BOLT (BOTTOM MOUNTING BOLT NORMALLY THROUGH BARRIER RAIL.)
3. ALL SIGNS TO BE H.I.P. OR BETTER.
4. ALL EXPOSED SURFACES SHALL BE PAINTED WITH WHITE PAINT CONFORMING TO SECTION 91-3.02.
5. POST AT CENTER OR NEAREST TO CENTER ON RIGHT HAND SIDE TO BE EXTENDED TO PROVIDE MOUNTING FOR SIGNS.

NUMBER AND SIZE OF SIGNS

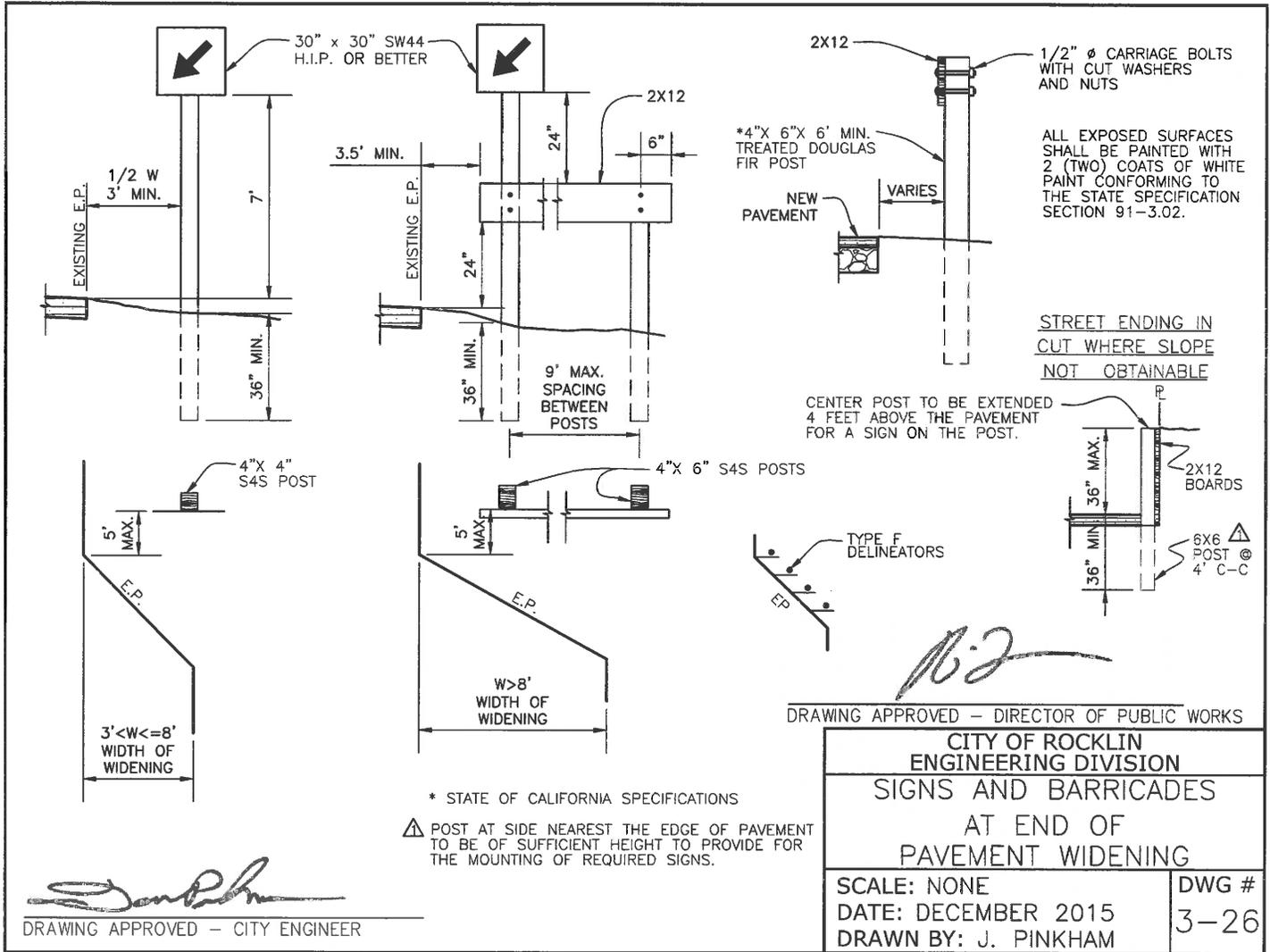
R/W WIDTH	W31		TYPE N		C2 SIGN	
	SIZE	NO.	SIZE	NO.	SIZE	NO.
42' & 46'	24"	1	18"	1	36" X 24"	1
50' & 66'	24"	1	18"	1	48" X 30"	1
80' & 90'	24"	2	18"	2	48" X 30"	1
110'	24"	3	18"	3	48" X 30"	1

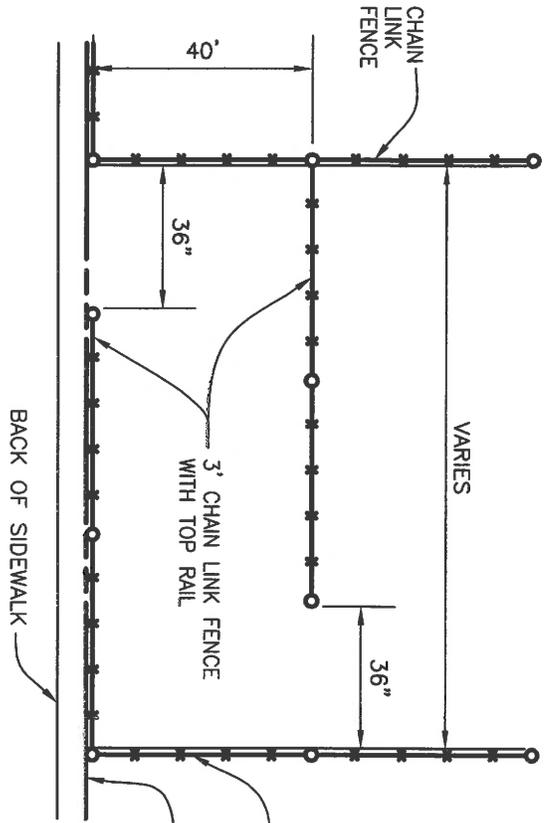
* STATE OF CALIFORNIA SPECIFICATION 56-2.02B

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DRAWING APPROVED - DIRECTOR OF PUBLIC WORKS

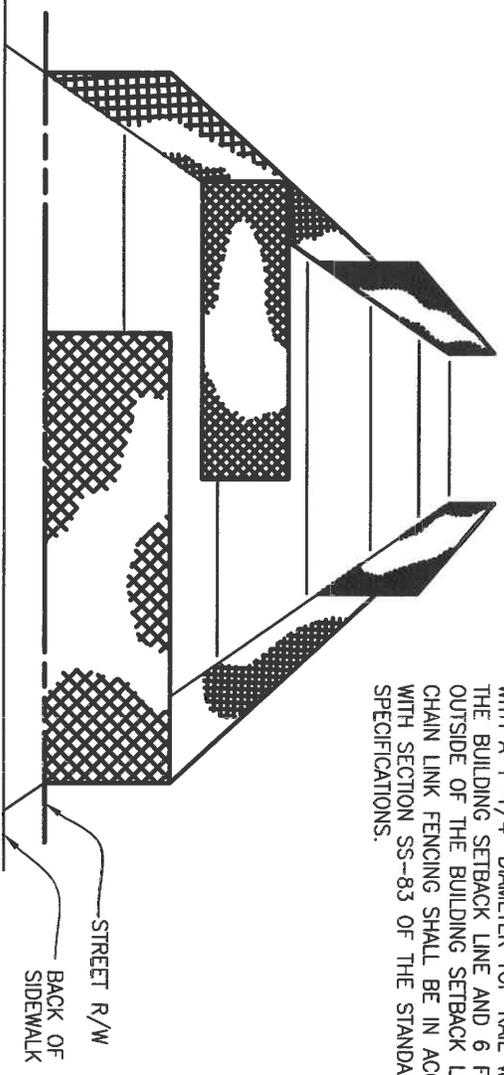
CITY OF ROCKLIN ENGINEERING DIVISION STREET CLOSURE GATED TIMBER BARRICADE	
SCALE: NONE DATE: DECEMBER 2015 DRAWN BY: J. PINKHAM	DWG # 3-25



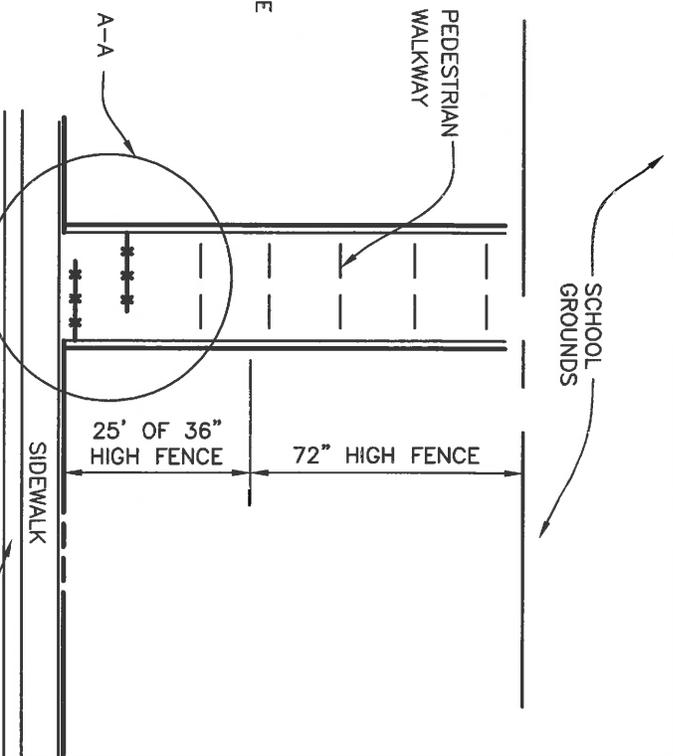


DETAIL A-A

NOTE:
 CHAIN LINK FENCING SHALL BE 3 FT. HIGH WITH A 1-1/4" DIAMETER TOP RAIL WITHIN THE BUILDING SETBACK LINE AND 6 FT. HIGH OUTSIDE OF THE BUILDING SETBACK LINE. CHAIN LINK FENCING SHALL BE IN ACCORDANCE WITH SECTION SS-83 OF THE STANDARD SPECIFICATIONS.



PICTORIAL VIEW



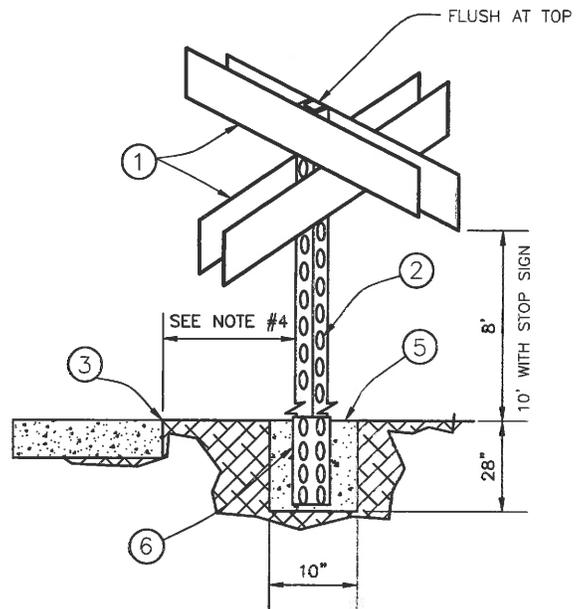
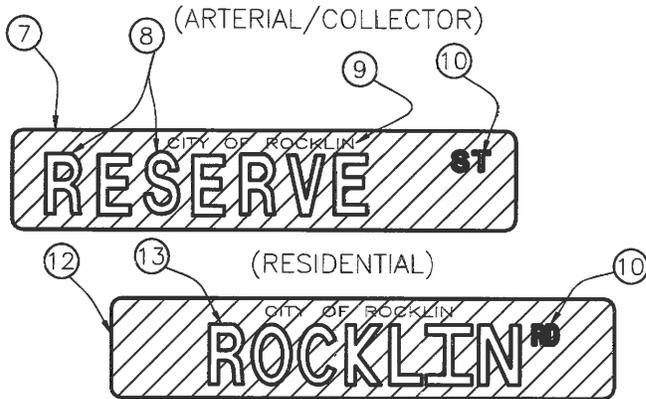
DRAWING APPROVED - CITY ENGINEER
[Signature]

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[Signature]

CITY OF ROCKLIN
 ENGINEERING DIVISION
 PEDESTRIAN LANE
 WITH
 BIKE BARRIER

SCALE: NONE
 DATE: AUGUST 2015
 DRAWN BY: K. SEIFRIED

DWG #
 3-27



NOTES:

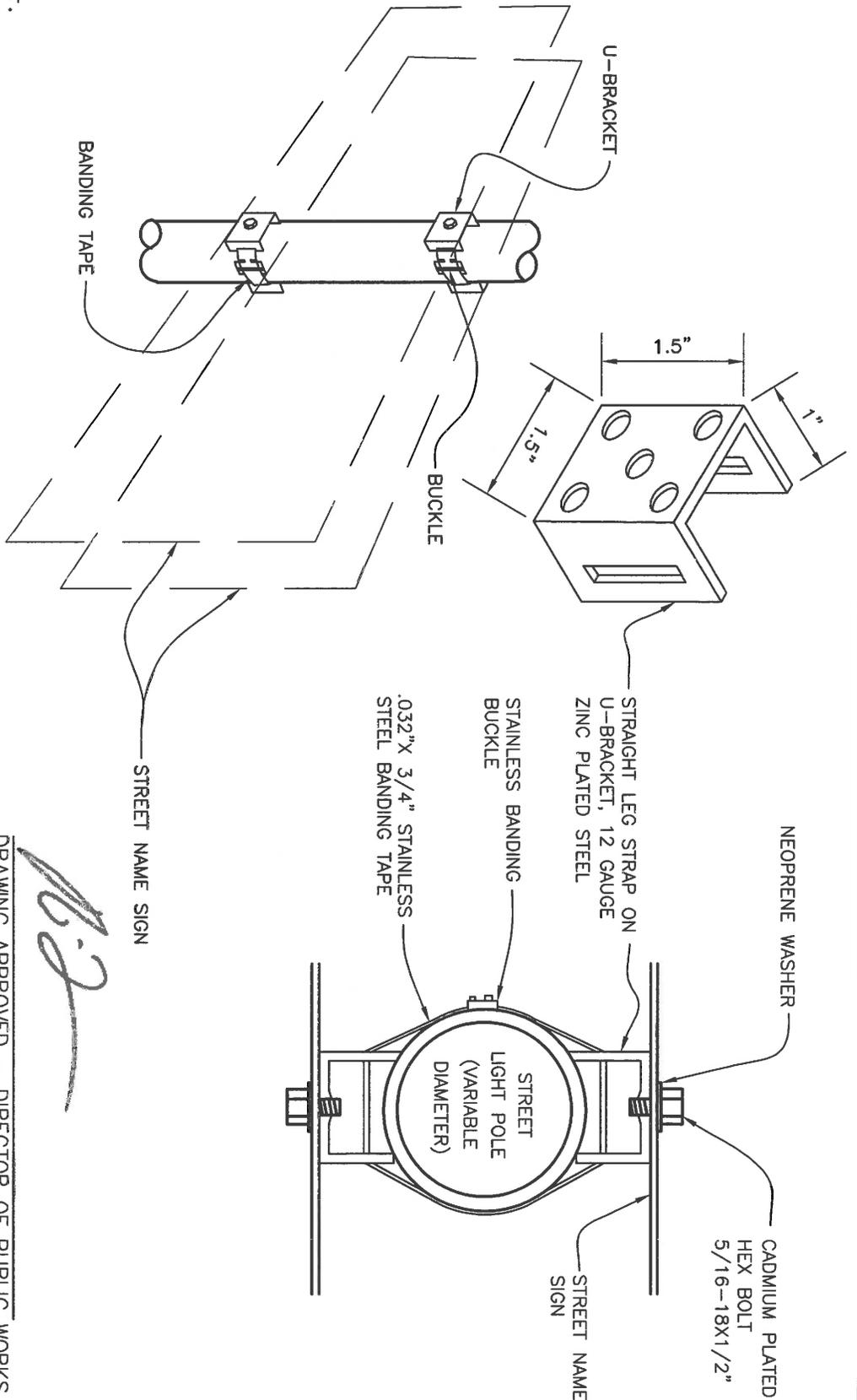
1. STREET NAME SIGNS, SEE DRAWING.
2. SIGN POST SHALL BE A 2 INCH BY 2 INCH 14 GAUGE BREAKAWAY BLACK POWDER COATED METAL SQUARE POST WITH HOLES PER THE CONSTRUCTION STANDARDS.
3. BACK OF CITY SIDEWALK.
4. 18 INCHES BACK OF SIDEWALK, 24 INCHES BACK OF CURB IF NO SIDEWALK.
5. HOLE SHALL BE EXCAVATED TO A REQUIRED MINIMUM DEPTH OF 28" DEEP AND 10" IN DIAMETER. CONCRETE BACKFILL SHALL BE PER SPECIFICATIONS.
6. A 30" LONG ANCHOR SLEEVE SHALL BE INSTALLED AND BACKFILLED PER NOTE 5. TWO HOLES OF THE SLEEVE SHALL REMAIN ABOVE FINISH GRADE. ALL HOLES OF THE SLEEVE BELOW FINISH GRADE SHALL BE TAPED CLOSED. NO MATERIAL OTHER THAN THE SQUARE POST SHALL INTRUDE INTO THE SLEEVE. THE SQUARE POST INSIDE THE SLEEVE SHALL MOVE FREELY IN THE VERTICAL DIRECTION UPON INSTALLATION.
7. SIGN BLANK SHALL BE EIGHT INCH HIGH, 0.080 GAUGE ALUMINUM, 24, 30, OR 36 INCHES LONG. FINISH SHALL BE 3M, OR APPROVED EQUIVALENT, HIGH INTENSITY GRADE REFLECTORIZED BACKGROUND WITH ELECTRONIC CUTABLE GREEN FILM SHEETING. SIGN ATTACHMENT SHALL HAVE TWO 3/8 INCH ALUMINUM DRIVE RIVETS ATTACHED THROUGH EACH PLATE INTO THE POST.
8. FIRST LETTER UPPERCASED, THE FOLLOWING LOWERCASED, WHITE HIGH INTENSITY PRISMATIC REFLECTIVE SHEETING
9. "CITY OF ROCKLIN" SHALL BE IN 1 INCH LETTERS CENTERED ACROSS THE TOP OF THE BLADE.
10. ST, AVE, CT, WY, CIRCLE, DR, ETC., TWO INCH UPPER CASE SERIES C, HIGHWAY FONT TEXT FLUSH WITH TOP OF 6 INCH TEXT.
11. FOUR INCHES HIGH, SERIES C, UPPER CASE LETTERS, HIGHWAY FONT, CENTERED TOP AND SIDE OF PLATE.

NOTE: IN THE EVENT THE STREET NAME IS TOO LONG FOR A 36 INCH LONG SIGN, THE NEXT LOWER SERIES TEXT, SERIES C OR B, CAN BE USED.

[Signature]
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[Signature]
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CITY OF ROCKLIN ENGINEERING DIVISION	
RESIDENTIAL STREET SIGNS	
SCALE: NONE	DWG #
DATE: DECEMBER 2015	3-28
DRAWN BY: J. PINKHAM	



NOTE:
 DETAIL SHOWN IS FOR TWO SIGN INSTALLATION. FOUR SIGN INSTALLATION MAY BE MADE, WHERE APPLICABLE, BY FASTENING A SECOND PAIR OF SIGNS IN THE SAME MANNER.
 STANDARD CLEARANCE TO BOTTOM OF LOWEST SIGN IS 7 FEET.
 SIGNS ARE NOT TO INTERFERE WITH STREET LIGHT NUMBERS.

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J. J. Pinkham

J. J. Pinkham

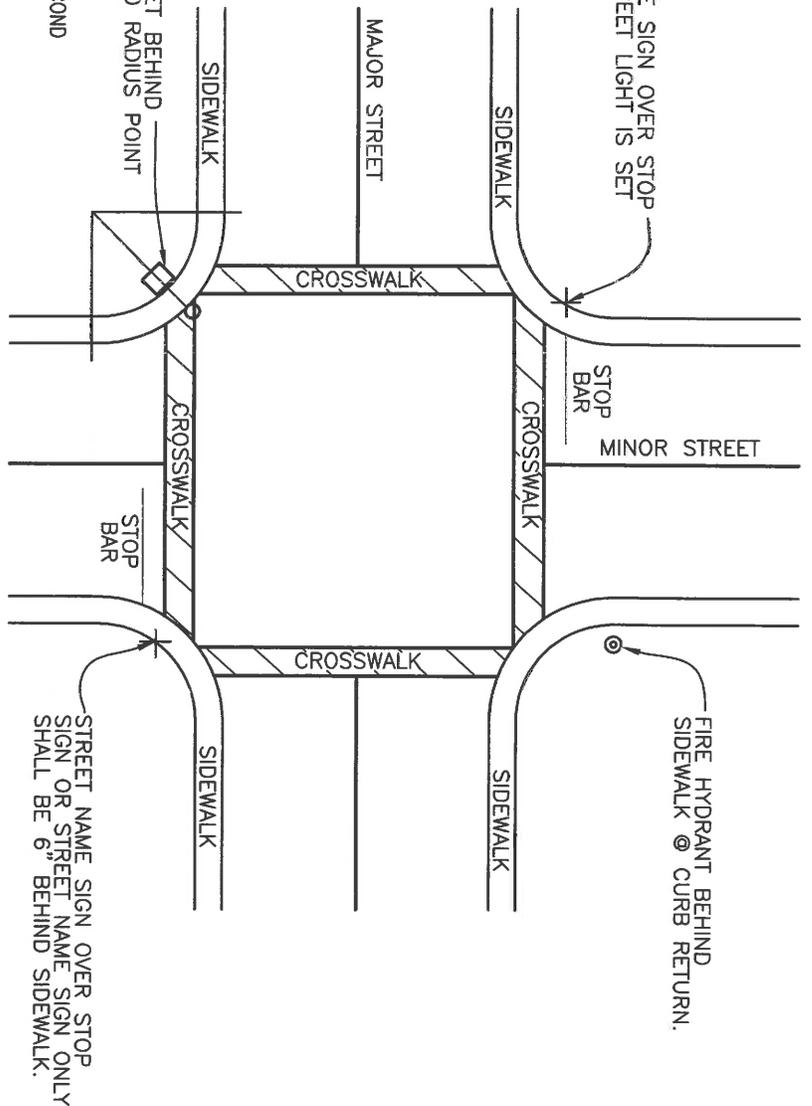
DRAWING APPROVED - CITY ENGINEER

CITY OF ROCKLIN ENGINEERING DIVISION	
STREET NAME SIGN INSTALLATION ON STREET LIGHT POLE	
SCALE: NONE	DWG #
DATE: AUGUST 2015	3-29
DRAWN BY: J. PINKHAM	

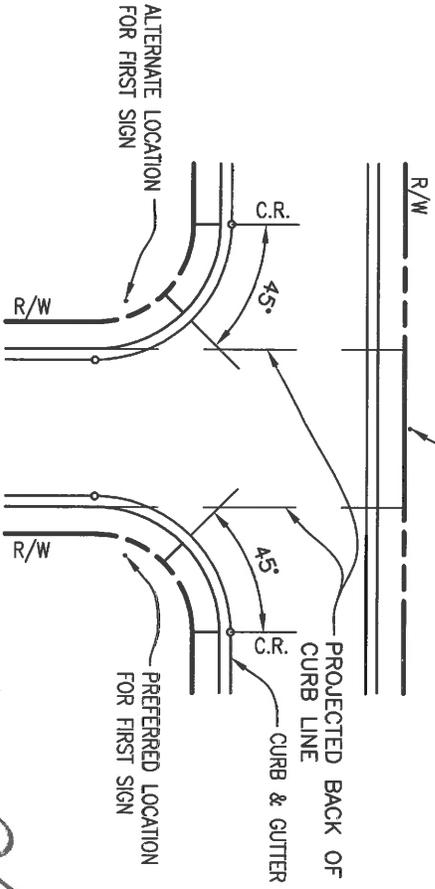
NOTE:

1. WHEN STREET LIGHTS ARE AT THE INTERSECTION, THE STANDARD IS SET SO THAT THE STREET SIGN CAN BE ATTACHED TO IT.
2. STREET LIGHTS, STREET NAME SIGNS, AND STOP SIGNS ARE TO BE PLACED AT THE MID RADIUS POINT OF THE CORNER.

PLACE STREET NAME SIGN OVER STOP SIGN WHEN NO STREET LIGHT IS SET BEHIND SIDEWALK.



STREET LIGHT SET BEHIND SIDEWALK AT MID RADIUS POINT
LOCATION FOR SECOND SIGN ONLY.



DRAWING APPROVED - DIRECTOR OF PUBLIC WORKS

J. J.

CITY OF ROCKLIN
ENGINEERING DIVISION
STREET LIGHT &
STREET SIGN
PLACEMENT DETAILS

SCALE: NONE

DATE: AUGUST 2015

DRAWN BY: J. PINKHAM

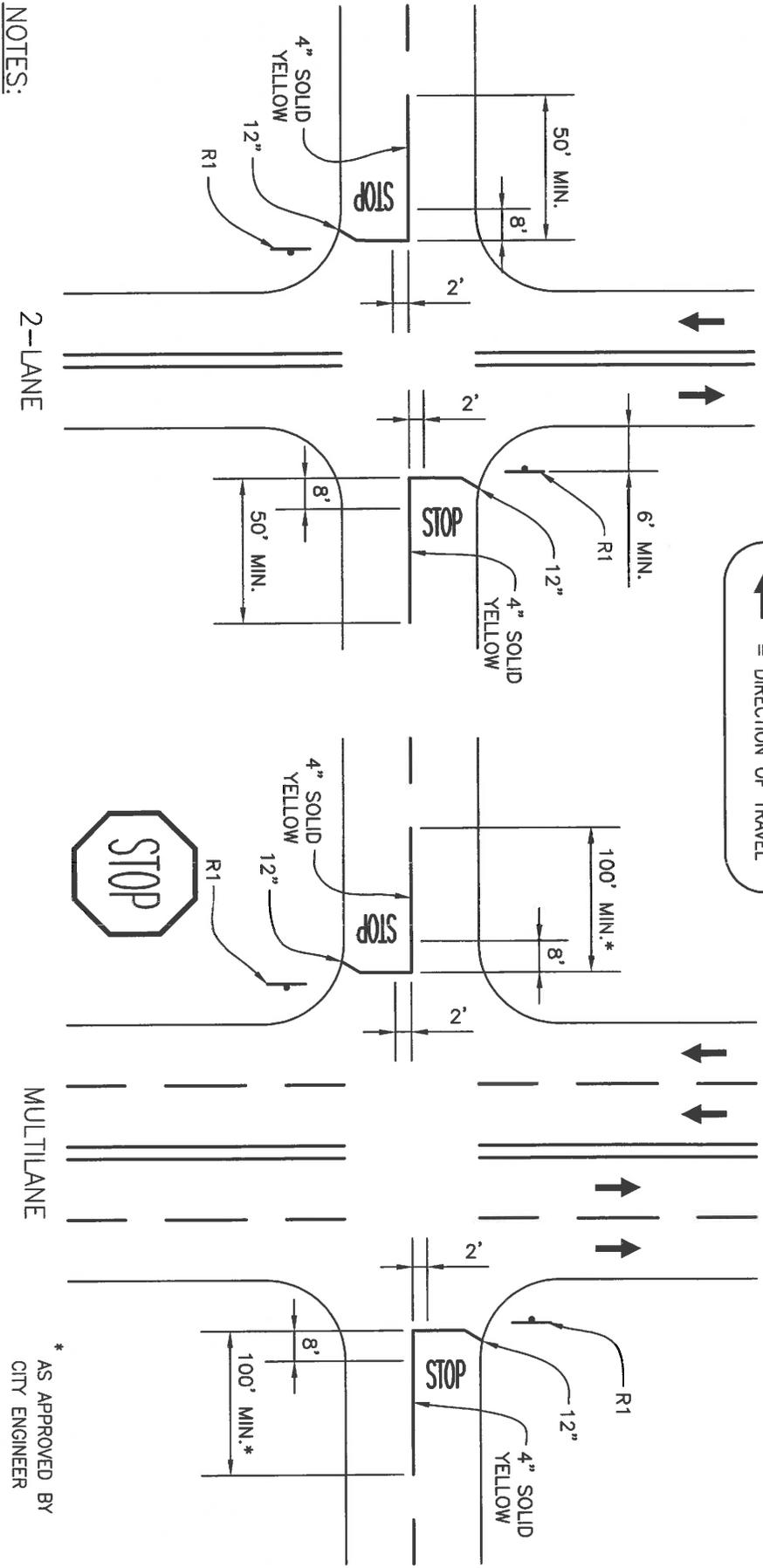
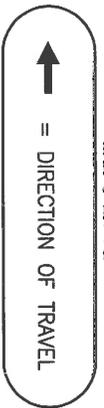
DWG #

3-30

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[Signature]

LEGEND



NOTES:

1. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PER THE MOST RECENT CALTRANS SPECIFICATION.
2. THE LIMIT LINE ON WIDE SIDE ROADS OR LONG RADIUS CORNERS MAY BE BENT AT A 45± ANGLE FOR TRAFFIC MAKING A RIGHT TURN.
3. THE LIMIT LINE SHOULD BE LOCATED TO INDICATE THE POINT WHICH TRAFFIC IS REQUIRED TO STOP (CVC 377).
4. A LIMIT LINE SHALL BE PLACED ON PAVED APPROACHES TO STATE HIGHWAYS AND A "STOP" MARKING SHALL BE PLACED ON ALL APPROACHES.
5. IF "STOP AHEAD" (W17A) SIGN IS USED, PAVEMENT MARKINGS SHALL BE PLACED ADJACENT TO THE SIGN.

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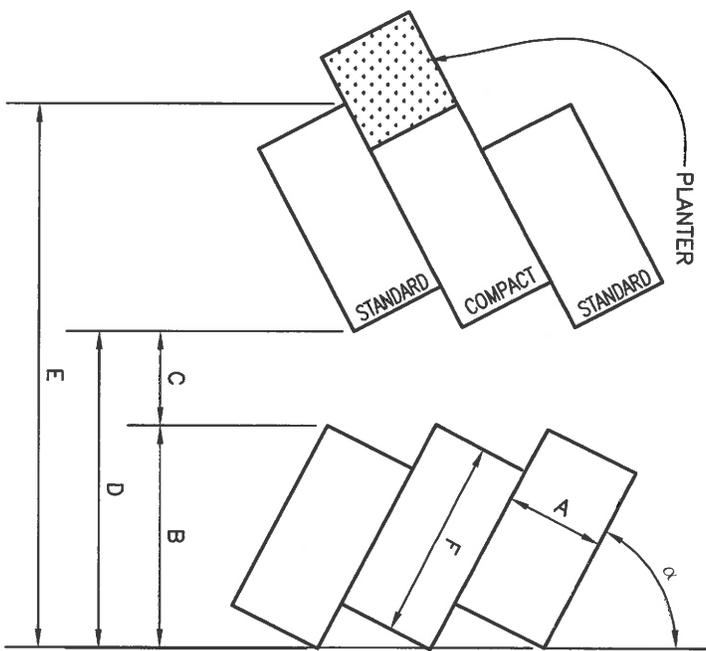
CITY OF ROCKLIN ENGINEERING DIVISION	
TYPICAL INTERSECTION MARKINGS	
SCALE: NONE	DWG #
DATE: AUGUST 2015	3-31
DRAWN BY: J. PINKHAM	

THE DIMENSION OF EACH PARKING SPACE SHALL BE DETERMINED FROM THE FOLLOWING CHART:

OFF-STREET PARKING

ANGLE	STALL WIDTH	STALL TO CURB	AISLE WIDTH (MIN.)	ONE ROW PLUS AISLE	TWO ROWS+ AISLE	STALL LENGTH
α	A	B	C	D	E	F
90° ①	9'-0"	19'-0"	25'-0"***	44'-0"	63'-0"	19'-0"
90° ②	8'-0"	16'-0"	25'-0"***	41'-0"	57'-0"	16'-0"
60°	9'-0"	21'-0"	19'-0"*	40'-0"	61'-0"	19'-0"
45°	9'-0"	19'-10"	16'-4"*	36'-2"	56'-0"	19'-0"

(D = B+C; E = 2B+C)



OFF-STREET PARKING LAYOUT

- NOTES:
- 1) ** DENOTES TWO WAY AISLE
 - * DENOTES ONE-WAY AISLE
 - 2) WHEEL STOPS ARE TO BE PLACED TWO FEET (2') IN FROM EDGE OF PARKING STALL.
 - 3) SEE ROCKLIN MUNICIPAL CODE FOR SPACE REQUIREMENTS.

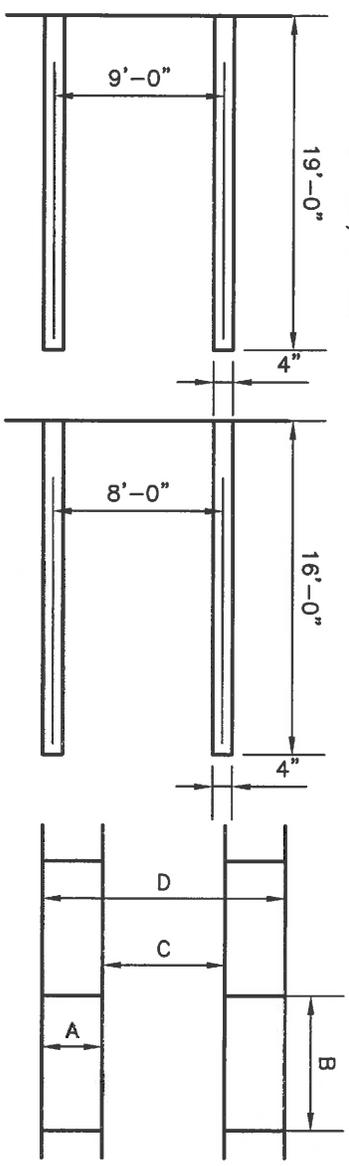
PARALLEL PARKING

STALL WIDTH	STALL LENGTH	AISLE	TWO ROWS+ AISLE
A	B	C	D
9'-0"	24'-0"	12'-0"	30'-0"
9'-6"	24'-0"	12'-0"	31'-0"
10'-0"	24'-0"	12'-0"	32'-0"

NOTE: MIN. STRUCTURAL SECTION 2" A.C./4" A.B.

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STANDARD PARKING SPACE DELINEATION ①

COMPACT PARKING SPACE DELINEATION ②

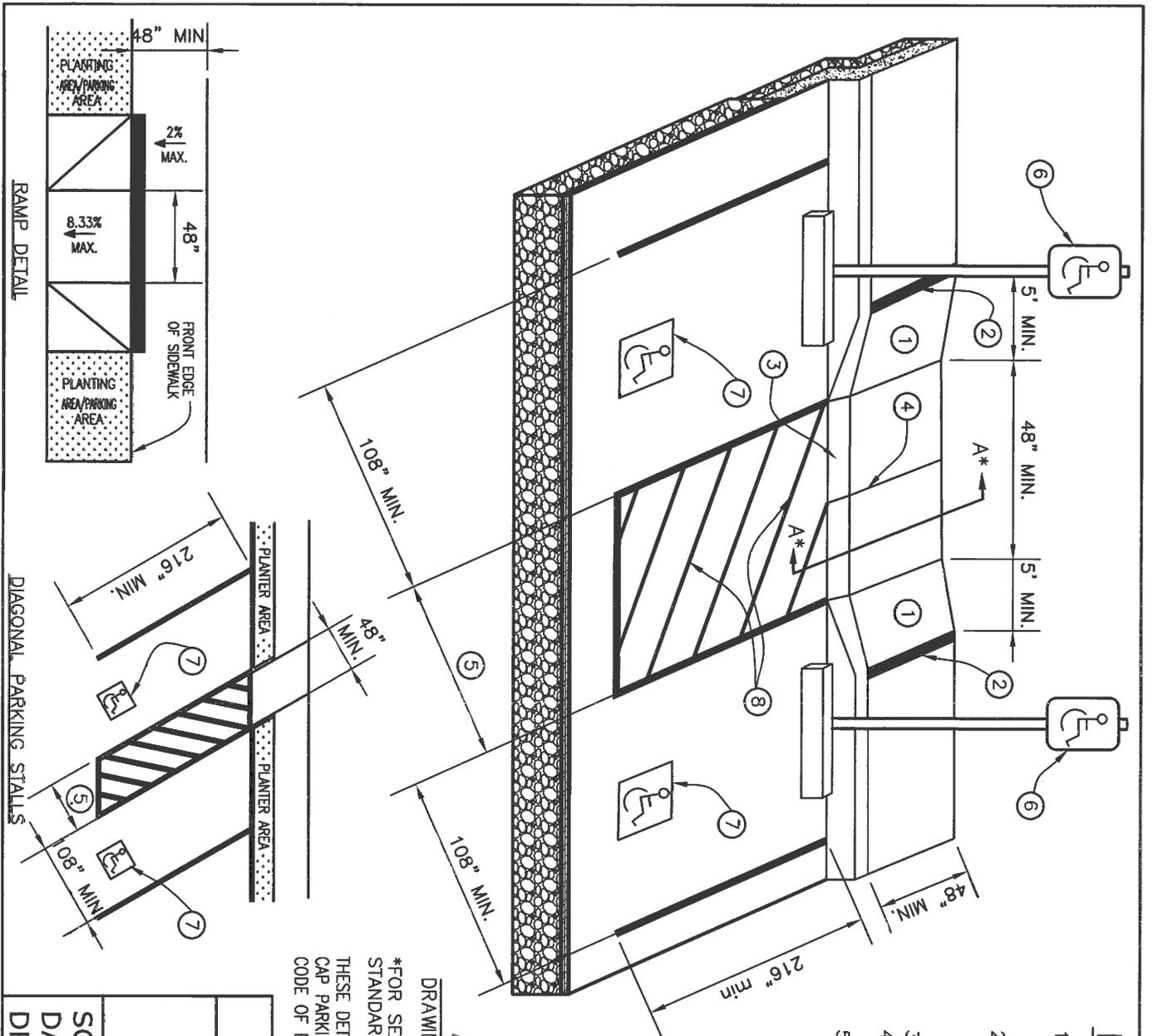
PARALLEL PARKING SPACE DELINEATION

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CITY OF ROCKLIN ENGINEERING DIVISION

TYPICAL OFF-STREET PARKING

SCALE: NONE
 DATE: AUGUST 2015
 DRAWN BY: J. PINKHAM
 DWG # 3-32



LEGEND

1. SLOPE OF THE RAMP SHALL BE A MINIMUM OF 6.67% AND A MAXIMUM OF 8.33%. THESE SHALL BE INDICATED ON THE PLANS.
2. TACTILE STRIP, WHEN BREAKING INTO EXISTING CURB, SAW CUT TO NEAREST EXISTING VERTICAL JOINT AND REPLACE. REFER TO LATEST CALTRANS STANDARDS FOR DETAILS.
3. NO LIP
4. TRUNCATED DOME PER LATEST CALTRANS STANDARDS.
5. 12' MIN. AT TYPICAL PARKING STALL MINIMUM AT VAN ACCESSIBLE PARKING STALL.
6. H.C. STALL SIGN AT EACH STALL.
7. TYPICAL H.C. SYMBOL.
8. STRIPES AT 36" ON CENTER.

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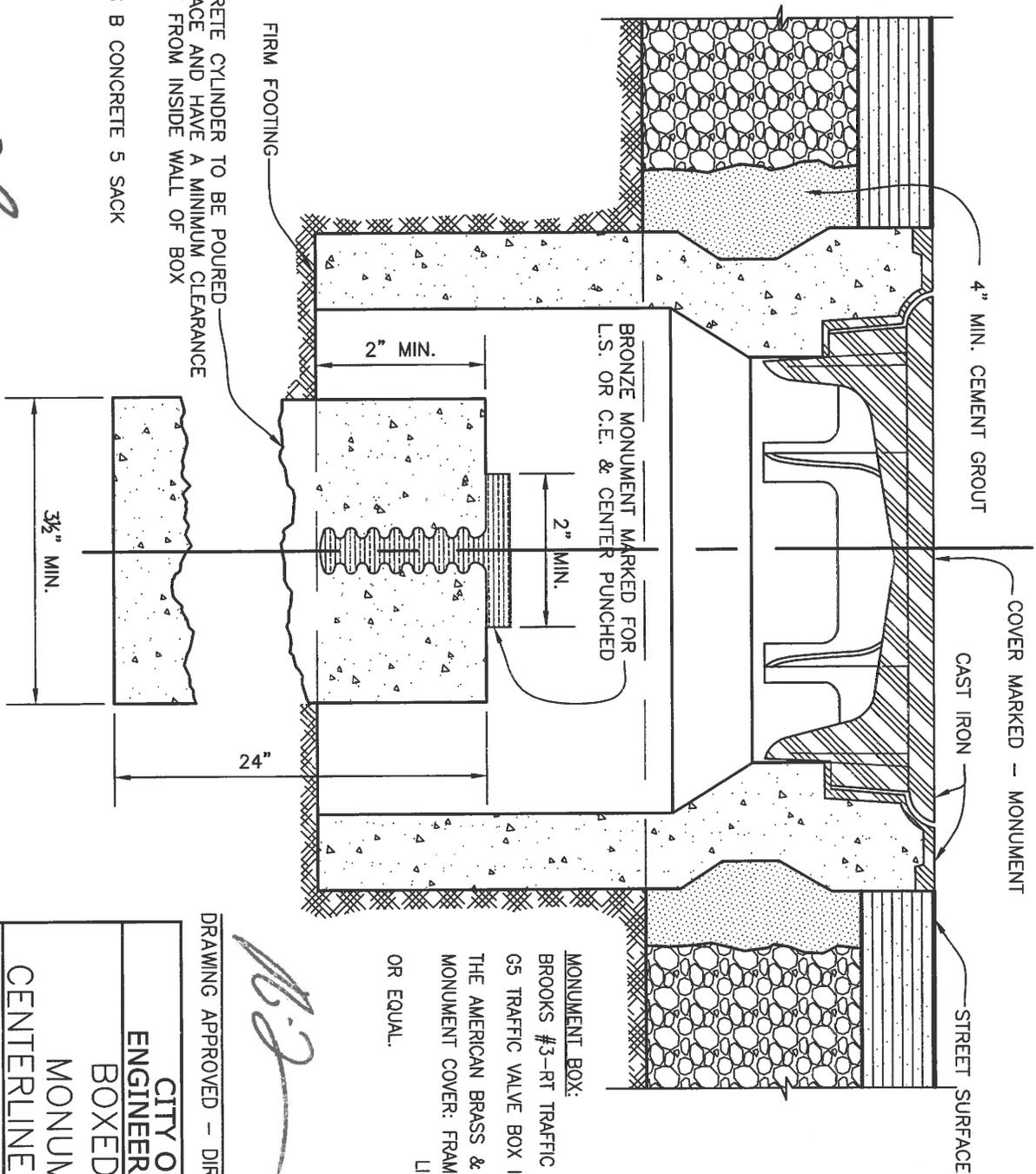
*FOR SECTION A-A AND LIP DETAIL SEE CITY OF ROCKLIN STANDARD DRAWING 3-19.

THESE DETAILS ARE FOR GENERAL GUIDELINES ONLY. ALL HANDICAP PARKING STALLS AND RAMPS MUST CONFORM TO CALIFORNIA CODE OF REGULATIONS (C.C.R.), TITLE 24, PART 2, ADA REQUIREMENTS.

CITY OF ROCKLIN
ENGINEERING DIVISION

HANDICAP
PARKING SPACE
LAYOUT DETAIL

SCALE: NONE	DWG #
DATE: MAY 2016	3-33
DRAWN BY: J. PINKHAM	



MONUMENT BOX:
 BROOKS #3-RT TRAFFIC GATE VALVE BOX
 G5 TRAFFIC VALVE BOX IRON SIDES
 THE AMERICAN BRASS & IRON FOUNDRY
 MONUMENT COVER: FRAME 5020
 LID 5022
 OR EQUAL.

J.P.

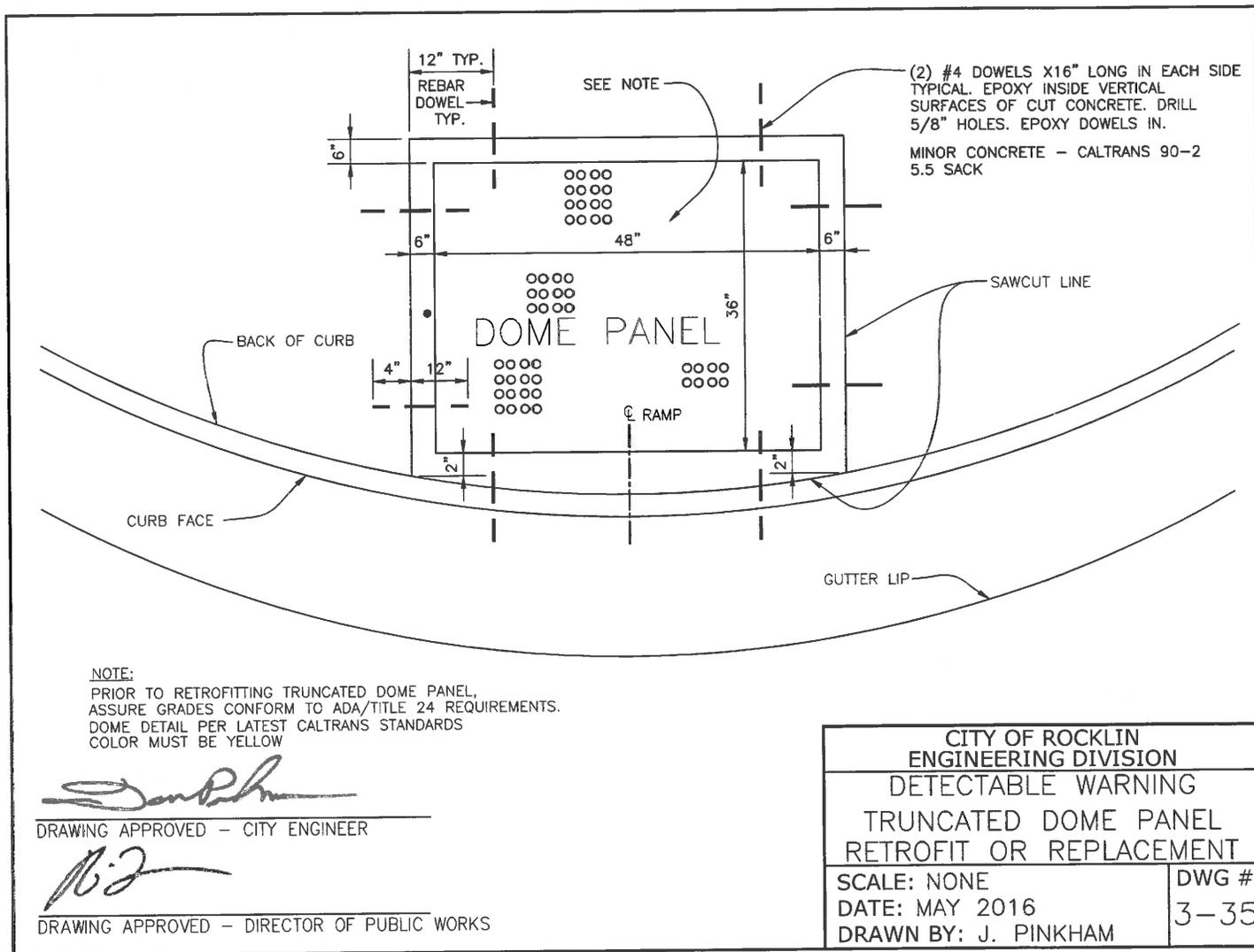
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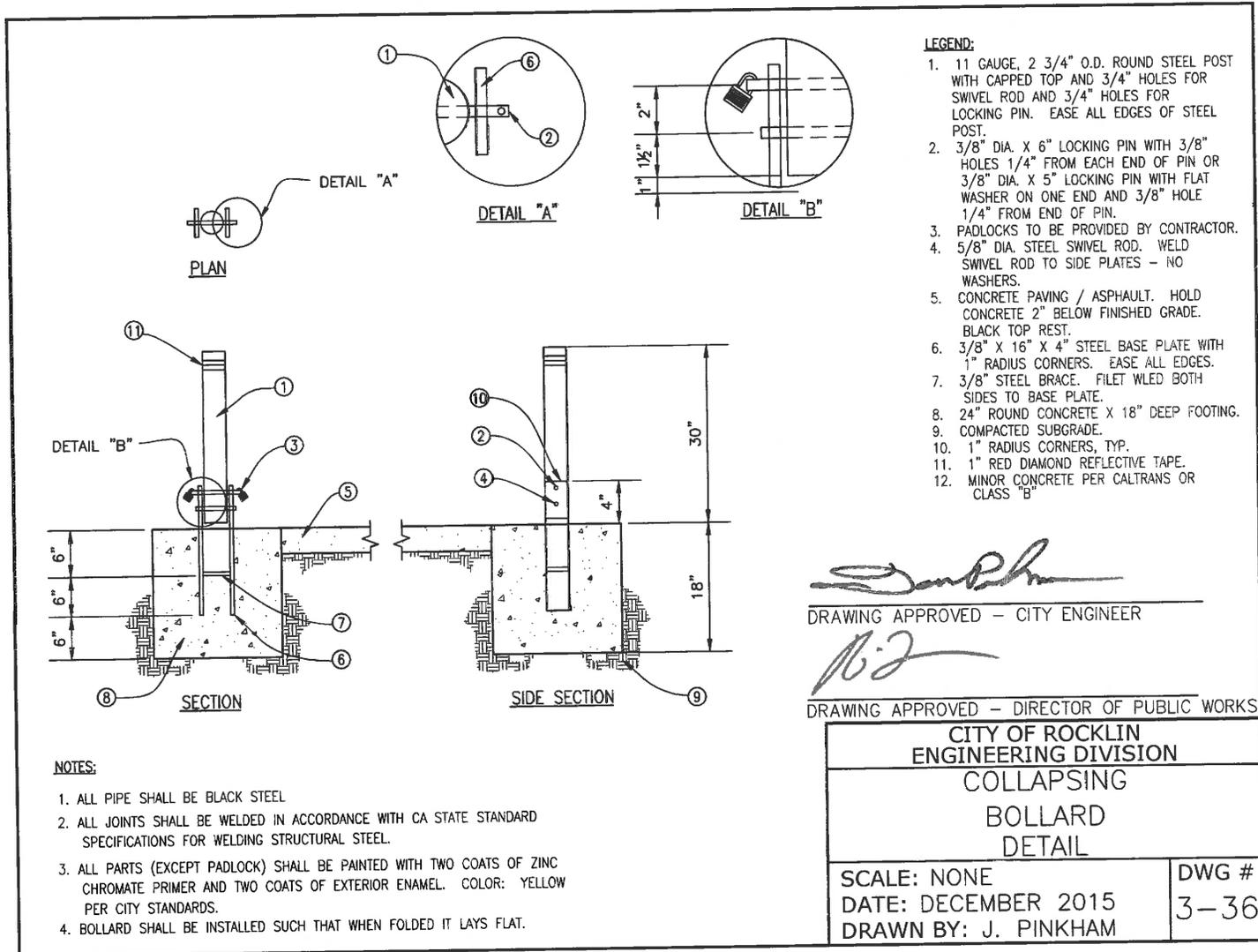
CITY OF ROCKLIN
 ENGINEERING DIVISION
 BOXED SURVEY
 MONUMENT FOR
 CENTERLINE INTERSECTION

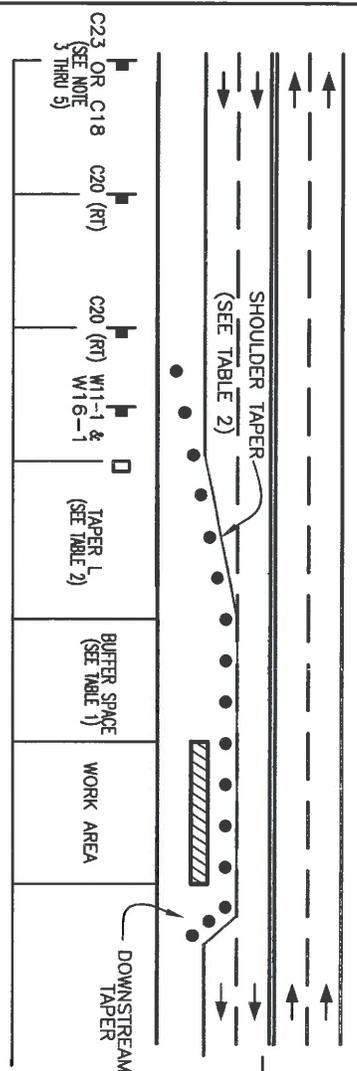
SCALE: NONE
 DATE: AUGUST 2015
 DRAWN BY: J. PINKHAM

DWG #
 3-34

J.P.
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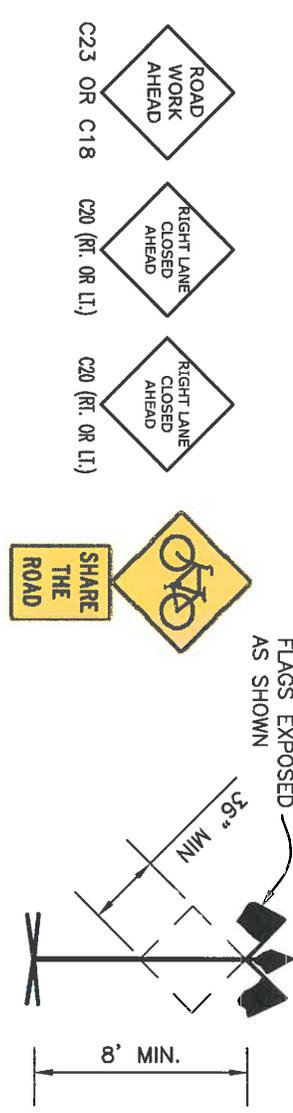




LEGEND:
 SIGN
 CONE OR PORTABLE DELINEATOR
 DIRECTION OF TRAFFIC
 FLASHING ARROW SIGN

NOTES:
 TAPER FORMULA:
 $L = S \times W$ FOR SPEEDS OF 45 MPH OR MORE
 $L = WS^2$ FOR SPEEDS OF 40 MPH OR LESS
 WHERE:
 L = MINIMUM LENGTH OF TAPER.
 S = NUMERICAL VALUE OF POSTED SPEED LIMIT PRIOR TO WORK OR 85 PERCENTILE SPEED.
 W = WIDTH OF OFFSET.

TABLE 1			TABLE 2		
Speed in Miles Per Hour	Length of Buffer Space in Feet	Length of Taper in Feet	Speed in Miles Per Hour	Width of Lane	Length of Lane
25	155	25	11	11 Feet	12 Feet
30	200	30	15	15 Feet	15 Feet
35	250	35	22	22 Feet	18 Feet
40	305	40	29	29 Feet	24 Feet
45	360	45	35	35 Feet	30 Feet
50	425	50	42	42 Feet	36 Feet
55	495	55	50	50 Feet	42 Feet
60	570	60	58	58 Feet	48 Feet
65	645	65	66	66 Feet	54 Feet
70	730	70+	75	75 Feet	60 Feet
					70 Feet
					80 Feet
					90 Feet
					100 Feet



Advance Warning Sign Spacing

Speed Limits	Distance Between Signs in Feet
25 mph or less	100
30 or more	350
Rural	500
Expressway	1000

SPECIAL NOTES:
 THIS DETAIL IS REPRODUCED FROM FIGURE 60-1 OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES 2012 EDITION, CHAPTER 6-TEMPORARY TRAFFIC CONTROL. FIELD CONDITIONS COULD REQUIRE DEVIATIONS FROM THESE PLANS AND ACCOMPANYING NOTES.

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 [Signature]

- NOTES:**
- THIS PLAN DOES NOT APPLY WHERE THERE ARE EMERGENCY CONDITIONS. UNDER EMERGENCY CONDITIONS, EQUIPMENT AND PERSONNEL WHICH ARE AVAILABLE SHOULD BE UTILIZED TO IMPLEMENT A CLOSURE, EVEN THOUGH SUCH CLOSURE DOES NOT MEET THE STANDARDS SHOWN IN THIS PLAN. AS EQUIPMENT OR PERSONNEL BECOME AVAILABLE, AN IMMEDIATE EFFORT SHOULD THEN BE MADE TO IMPLEMENT THE STANDARDS SHOWN ON THIS PLAN.
 - ALL ADVANCE WARNING SIGNS SHALL BE 36" X 36" MINIMUM. (SEE NOTE 5)
 - ALL WARNING SIGNS FOR NIGHT CLOSURES SHALL BE EITHER ILLUMINATED OR RETROREFLECTORIZED.
 - A C18 "ROAD CONSTRUCTION AHEAD" SIGN MAY BE USED IN LIEU OF THE C23. (SEE NOTE 3)
 - WARNING (W) SERIES SIGNS USED IN WORK ZONES SHALL BE BLACK ON ORANGE. EXISTING YELLOW WARNING SIGNS ALREADY IN PLACE WITHIN THESE AREAS SHALL REMAIN IN USE.
 - PAVEMENT MARKINGS FOR CLOSURES SHALL CONFORM TO SECTION 6 OF THE CAMUTOD 2006 EDITION AND CALTRANS STANDARD PLANS.
 - ALL CONES SHALL BE INTERNALLY ILLUMINATED OR FITTED WITH RETROREFLECTIVE WHITE SLEEVES FOR NIGHT CLOSURES. (SEE SECTION 6-6F.59 OF THE CAMUTOD)
 - THE MAXIMUM SPACING BETWEEN CHANNELIZING DEVICES IN A TAPER SHOULD BE APPROXIMATELY EQUAL TO THE SPEED LIMIT.
 - W11-1 AND W16-1 REQUIRED ONLY WHEN TAPER CROSSES A MARKED BICYCLE LANE.

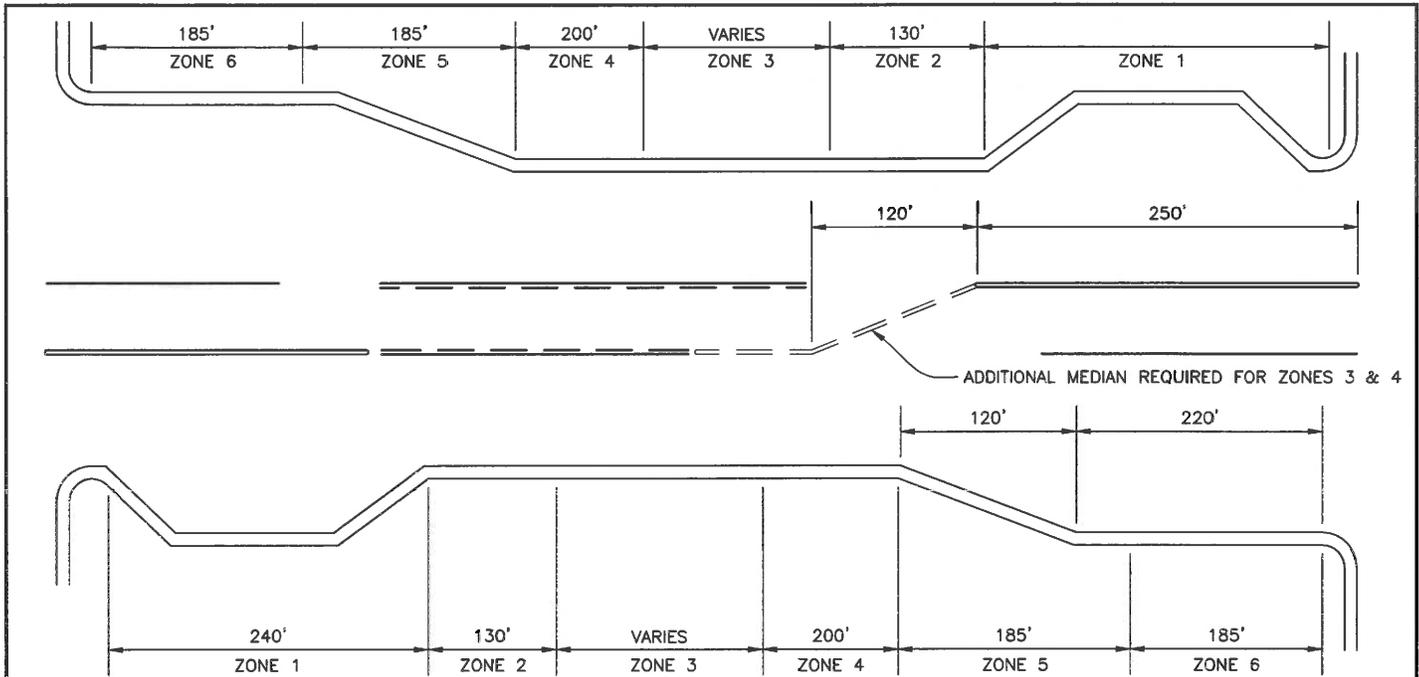
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CITY OF ROCKLIN
 ENGINEERING DIVISION

TYPICAL TRAFFIC CONTROL LANE CLOSURE/TRANSITION

SCALE: NONE
 DATE: AUGUST 2015
 DRAWN BY: J. PINKHAM

DWG # 3-37



- ZONE 1 NO DRIVEWAYS OR STREETS ALLOWED.
- ZONE 2 DRIVEWAYS AND STREETS ALLOWED. LEFT TURNS OUT ARE PROHIBITED. WHERE THE ADJACENT STREET WILL HAVE DUAL LEFT TURN LANES. ZONE 2 SHALL BE INCREASED TO 190'.
- ZONE 3 DRIVEWAYS AND SREETS ALLOWED. ALL TURNING MOVEMENTS PERMITTED.
- ZONE 4 DRIVEWAYS AND STREETS ALLOWED. LEFT TURNS IN AND OUT PROHIBITED. ADDITIONAL MEDIAN REQUIRED.
- ZONE 5 DRIVEWAYS ARE ALLOWED. STREETS ARE PROHIBITED. LEFT TURNS IN AND OUT ARE PROHIBITED. ADDITIONAL MEDIAN REQUIRED.
- ZONE 6 NO DRIVEWAYS OR STREETS ALLOWED.

NOTES:

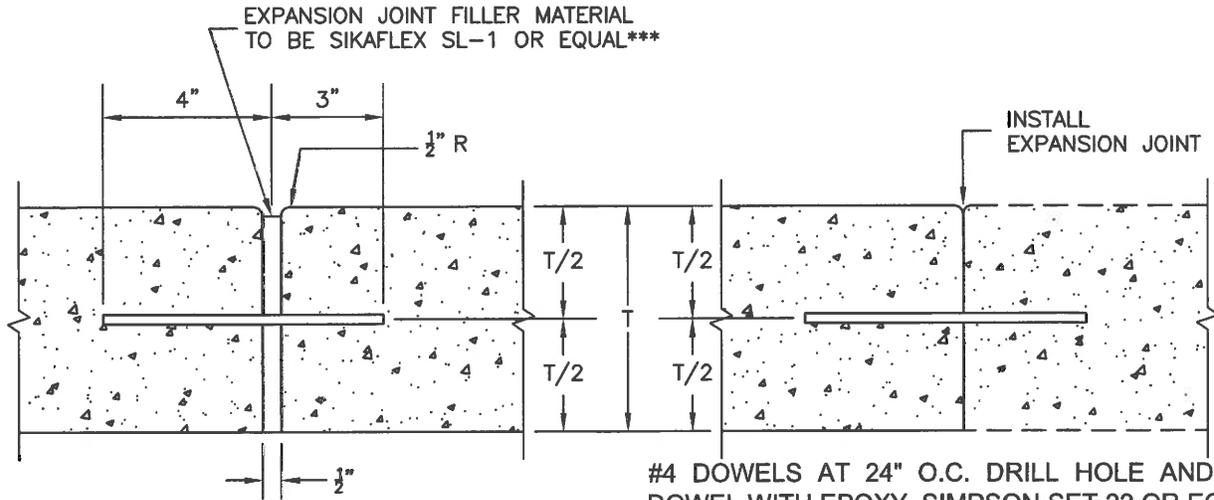
1. OPPOSING DRIVEWAYS SHOULD ALIGN WITH EACH OTHER. IF NOT, SEE ST-47 FOR MINIMUM OFFSETS.
2. SEE DETAIL ST-48 AND ST-49 FOR DRIVEWAYS NEAR BUS TURNOUTS.

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CITY OF ROCKLIN ENGINEERING DIVISION PERMITTED DRIVEWAYS OR STREETS ON MINOR ARTERIALS	
SCALE: NONE DATE: DECEMBER 2015 DRAWN BY: J. PINKHAM	DWG # 3-38

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PLASTIC EXPANSION CAP SHALL BE INSTALLED DURING CONCRETE POUR, THEN REMOVED AFTER CONCRETE HAS CURED A MINIMUM OF 24 HOURS. THEN APPLY JOINT SEALANT TO JOINT.
 ***SNAP CAPS REQUIRED ON SIDEWALK ONLY, NOT IN CURB OR CURB AND GUTTER.

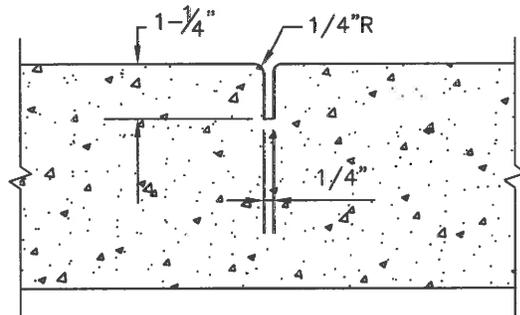


#4 DOWELS AT 24" O.C. DRILL HOLE AND SET DOWEL WITH EPOXY. SIMPSON SET 22 OR EQUAL. GREASE OTHER END.

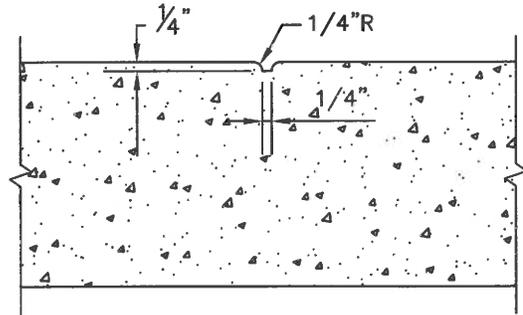
EXPANSION JOINT
AT 20' O.C. MAX

SIDEWALK CONTACT JOINT

USE WHERE NEW CONSTRUCTION OF SIDEWALK, RAMP, AND/OR CURB AND GUTTER ABUTS EXISTING IMPROVEMENTS.



WEAKENED PLANE JOINT
AT 10' O.C. MAX

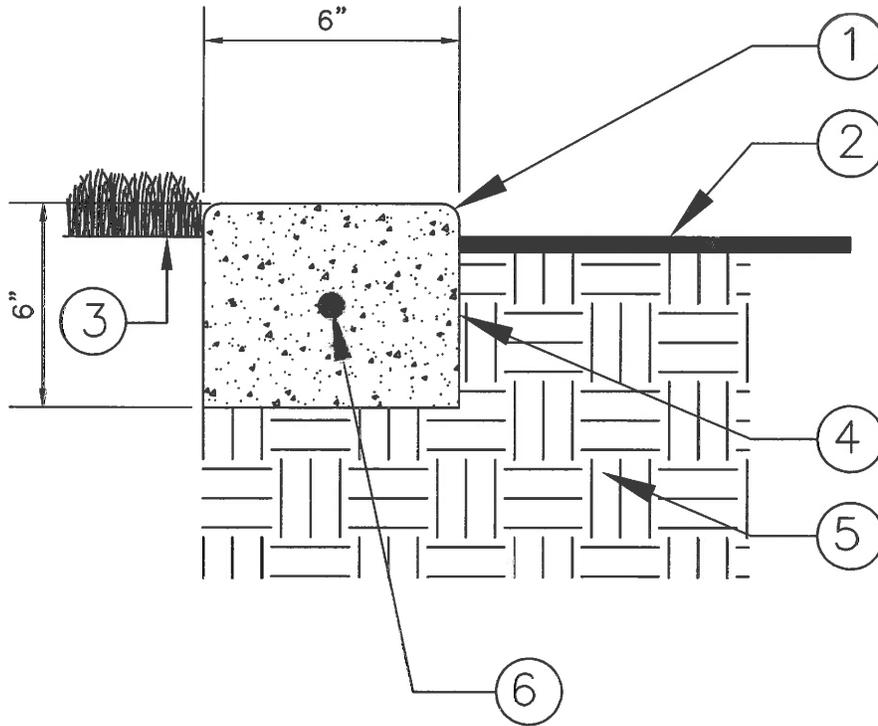


SCORE MARK

J. Pinkham
DRAWING APPROVED - CITY ENGINEER

BJ
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CITY OF ROCKLIN ENGINEERING DIVISION	
STANDARD CONCRETE JOINT DETAILS	
SCALE: NONE	DWG #
DATE: MAY 2016	3-39
DRAWN BY: J. PINKHAM	



LEGEND:

1. 1/4" RADIUS TOOLED EDGE.
2. FINISH GRADE 1" BELOW TOP OF BAND FOR TURF AND 2" BELOW TOP OF BAND FOR SHRUBS AND/OR GROUND COVER.
3. FINISH GRADE IN SHRUB AREA
4. 6"X6" CONCRETE MOW BAND.
5. COMPACTED SUB-GRADE TO 90%.
6. #4 REBAR, CONTINUOUS WITH 18" OVERLAP MINIMUM

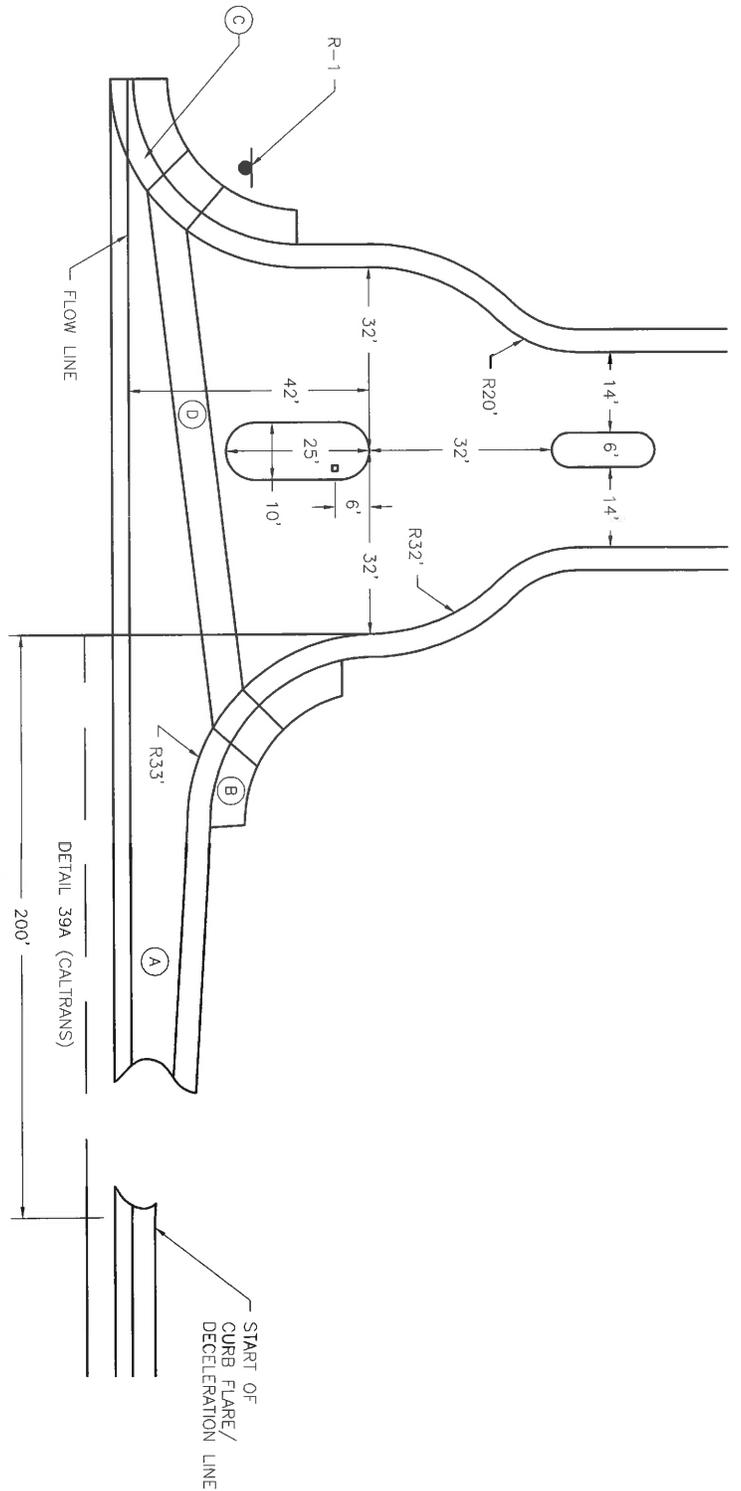
NOTE:

- A. PROVIDE EXPANSION JOINTS AT 20. ON CENTER

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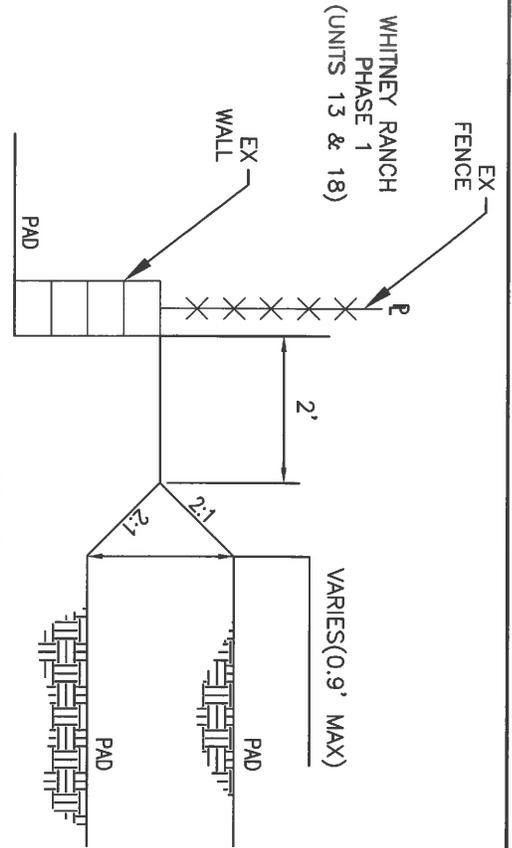
CITY OF ROCKLIN ENGINEERING DIVISION	
MOW BAND	
SCALE: NONE	DWG #
DATE: MAY 2016	3-40
DRAWN BY: J. PINKHAM	



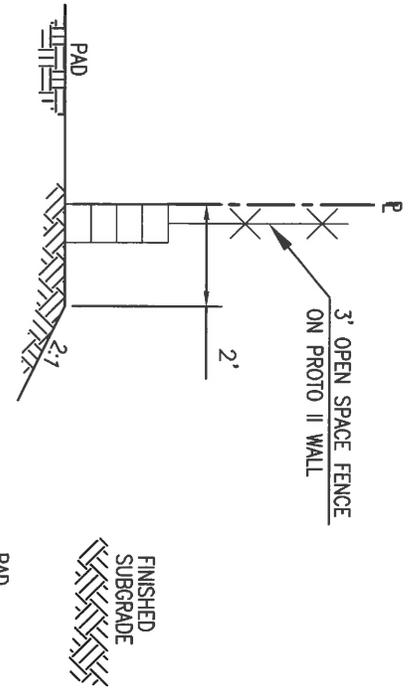
- LEGEND:
- A. CURB FLARE OR DECLARATION LANE.
 - B. SIDEWALK WIDTH PER PLANS, 5 FOOT MINIMUM.
 - C. CURB AND GUTTER TO BE "TYPE 1".
 - D. PLACE CROSS WALK

- NOTES:
1. STRIPING AND SIGNAGE TO COMPLY WITH LATEST EDITION OF CAMUTCD
 3. DRIVEWAYS WHERE THE MEDIAN IS NOT BROKEN SHALL HAVE THE DETAIL 39 CONTINUE THROUGH THE CURB FLARE AND DRIVEWAY.

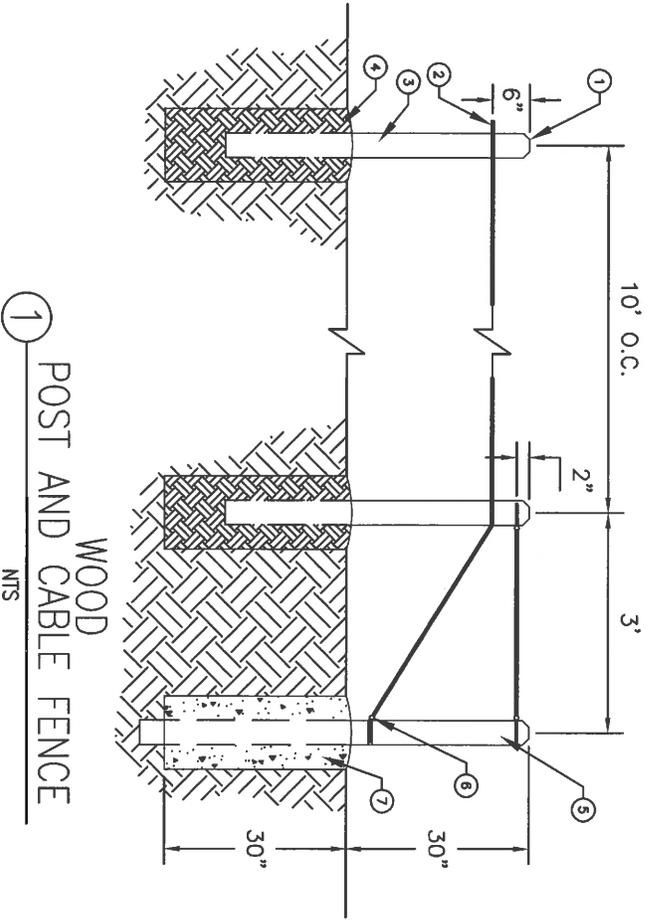
CITY OF ROCKLIN ENGINEERING DIVISION	
PRIVATE	GATED
ENTRANCE	
SCALE: NONE	DWG #
DATE: 04/29/16	3-41
DRAWN BY: J. PINKHAM	



SECTION B
(EXISTING EDGE CONDITION)
NTS



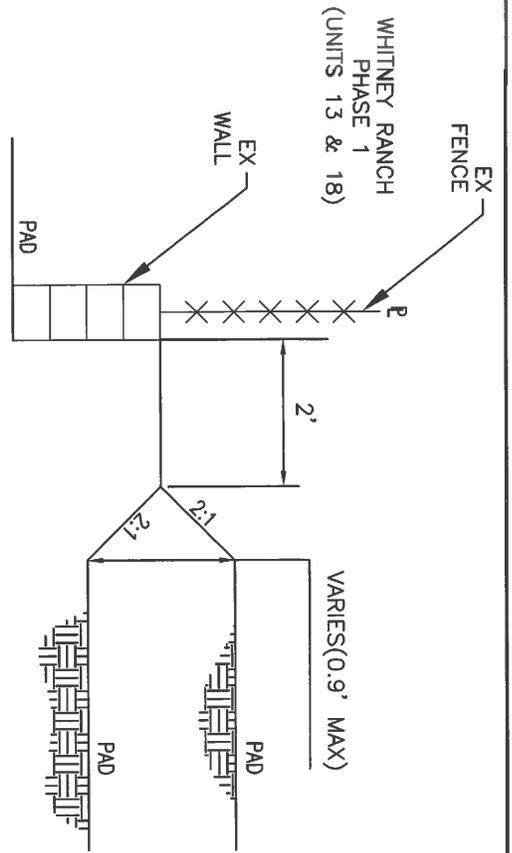
SECTION B
(REAR YARDS ADJACENT TO OPEN SPACE)
NTS



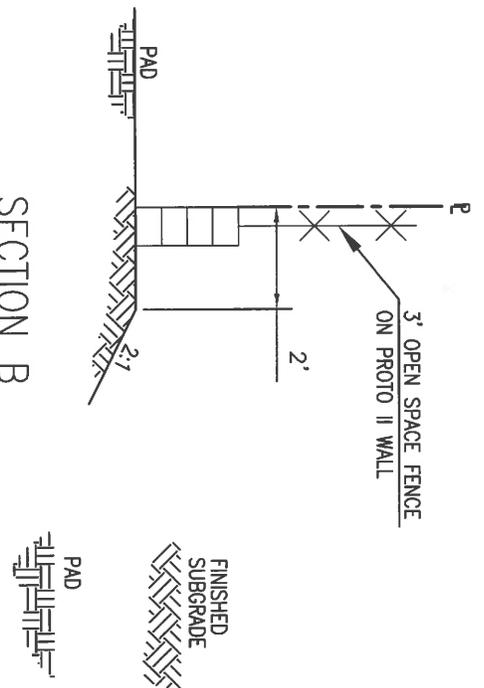
WOOD POST AND CABLE FENCE
NTS

- LEGEND:
1. 1" CHAMFER ALL AROUND.
 2. 3/8" DIA. 7 STRAND GALV. CABLE, TYP. SLIP THROUGH 1/2" DIA. HOLE IN LINE POSTS OR CONNECT TO EYE BOLTS.
 3. LINE POST - 6" X 6" PT "SUNWOOD" WOOD.
 4. BACKFILL WITH AGGREGATE BASE TO 95% RELATIVE COMPACTION AT LINE POSTS.
 5. TERMINAL POST - 6" X 6" PT "SUNWOOD" WOOD.
 6. 3/8" GALV. EYE BOLT WITH GALV. CLAMPS FOR SPLICES AND CONNECTIONS. COUNTER-SINK ALL BOLTS.
 7. CONCRETE FOOTING AT TERMINAL POSTS.

CITY OF ROCKLIN ENGINEERING DIVISION	
WOOD POST AND CABLE FENCE	
SCALE: NONE	DWG #
DATE: DECEMBER 2015	3-43
DRAWN BY: J. PINKHAM	



SECTION B
(EXISTING EDGE CONDITION)
NTS

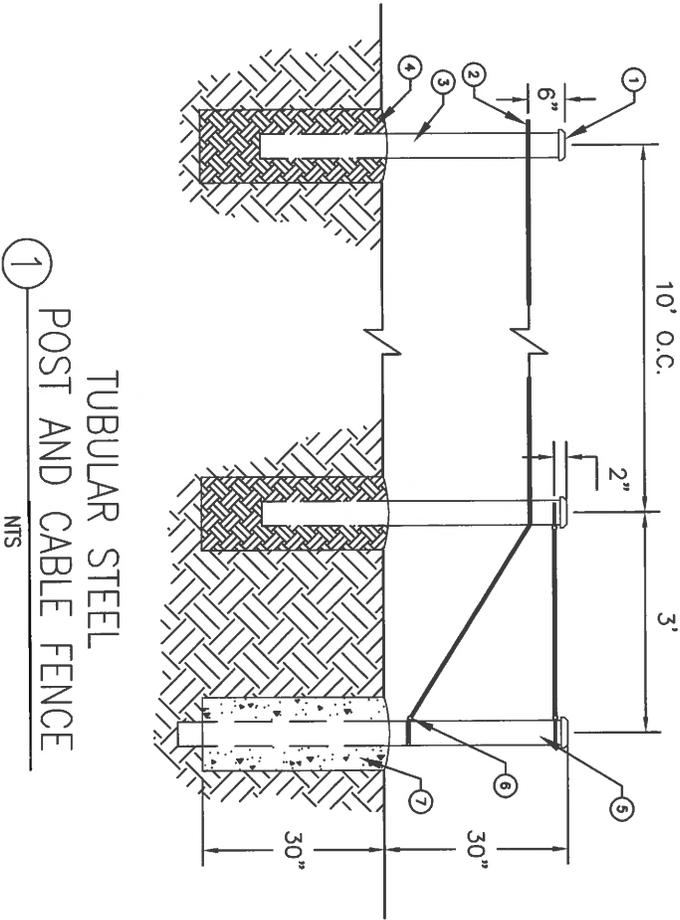


SECTION B
(REAR YARDS ADJACENT TO OPEN SPACE)
NTS

LEGEND:

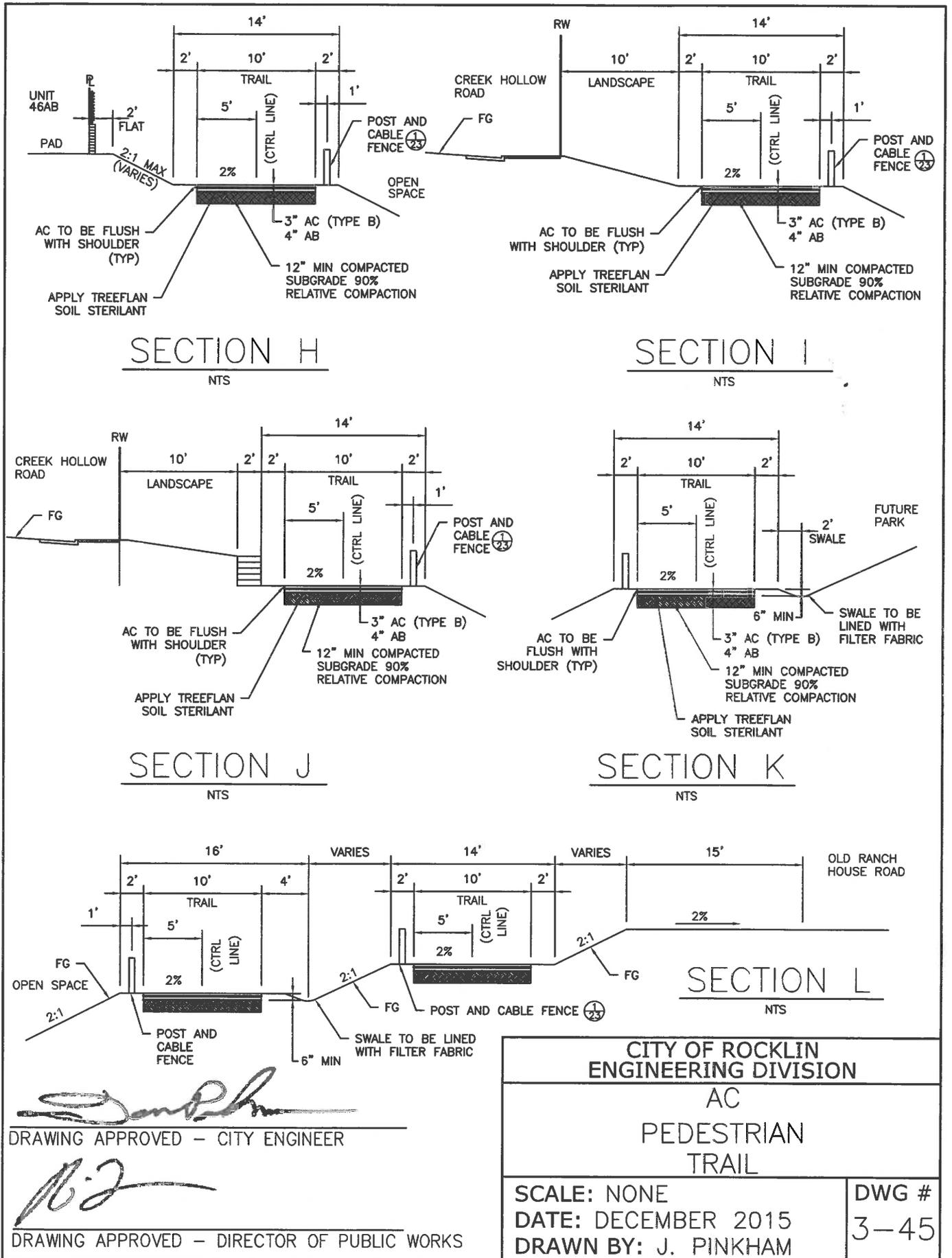
NTS

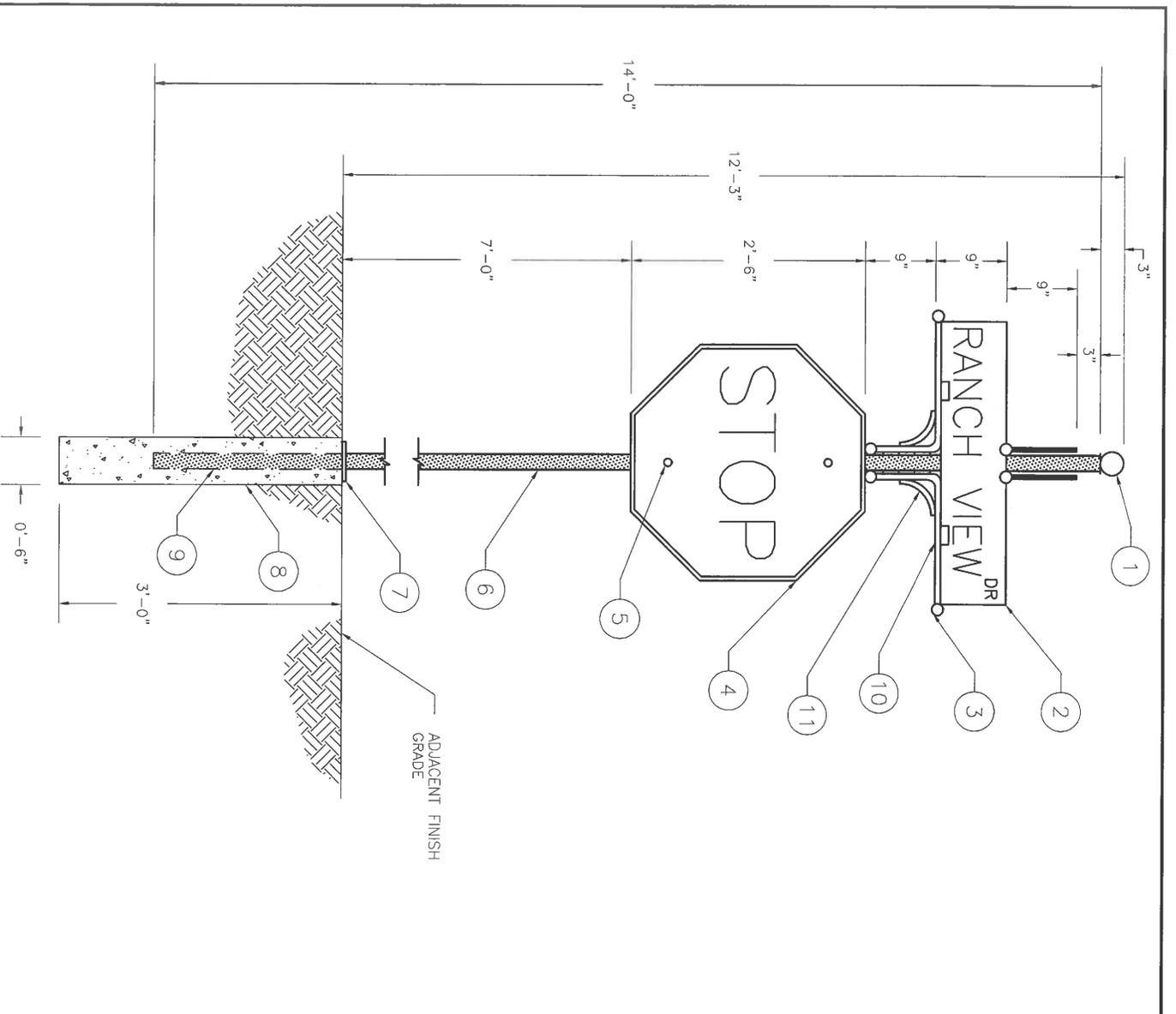
1. PRESSED STEEL CAP
2. 3/8" DIA. 7 STRAND GALV. CABLE, TYP. SLIP THROUGH 1/2" DIA. HOLE IN LINE POSTS OR CONNECT TO EYE BOLTS.
3. LINE POST - 4" X 4" POWDERCOATED TUBULAR STEEL (COLOR TO BE DETERMINED BY STAFF.)
4. BACKFILL WITH AGGREGATE BASE TO 95% RELATIVE COMPACTION AT LINE POSTS.
5. TERMINAL POST - 4" X 4" POWDERCOATED TUBULAR STEEL (COLOR TO BE DETERMINED BY STAFF.)
6. 3/8" GALV. EYE BOLT WITH GALV. CLAMPS FOR SPLICES AND CONNECTIONS.
7. CONCRETE FOOTING AT TERMINAL POSTS AND EVERY 10TH LINE POST.



TUBULAR STEEL
POST AND CABLE FENCE
NTS

CITY OF ROCKLIN ENGINEERING DIVISION	
TUBULAR STEEL POST AND CABLE FENCE	
SCALE: NONE	DWG #
DATE: DECEMBER 2015	3-44
DRAWN BY: J. PINKHAM	





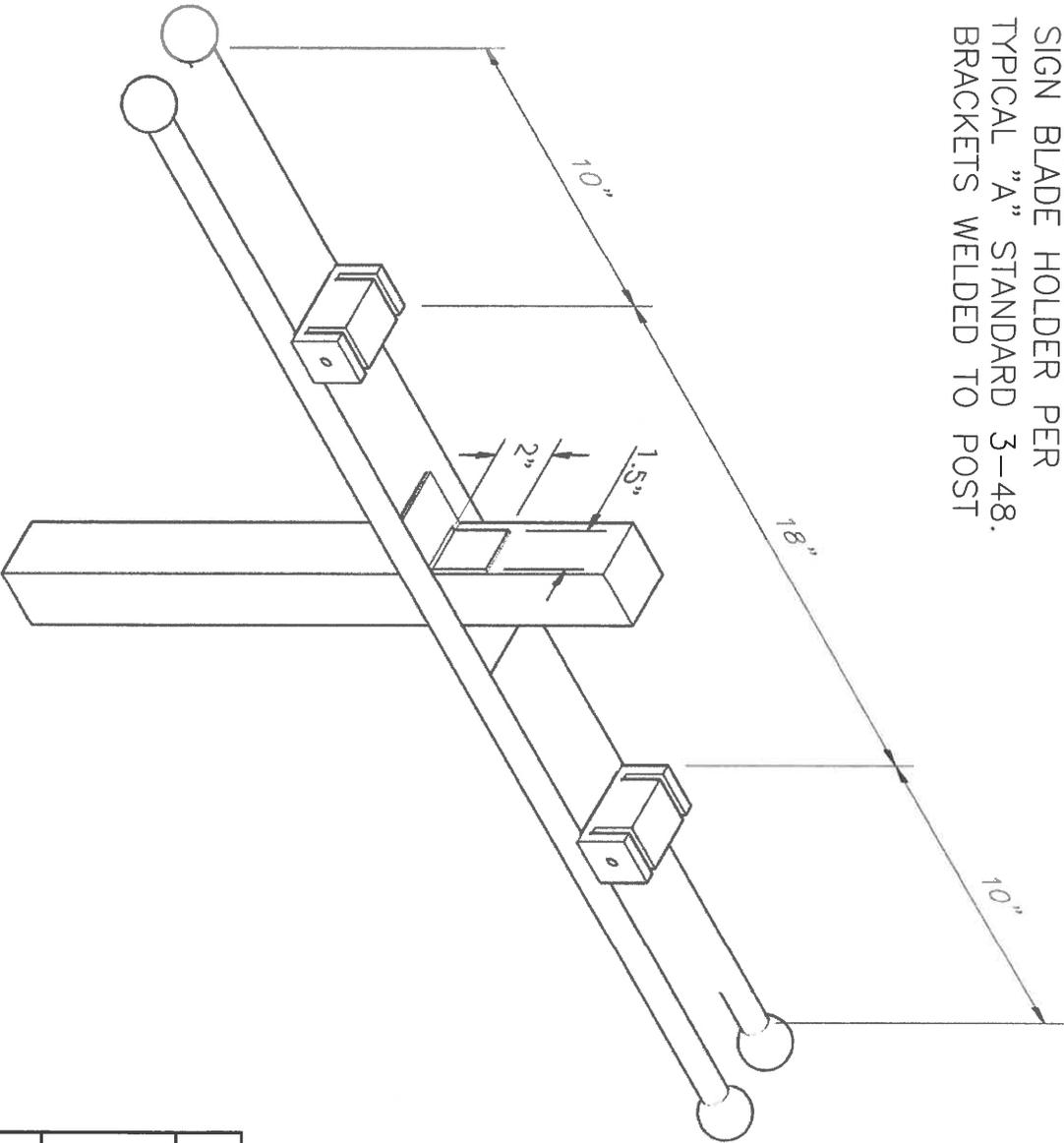
- NOTES:
1. 3" DIAMETER-10 GAUGE BALL WELDED TO 2" X 2" X 16" GAUGE PRESS STEEL CAP
 2. CITY OF ROCKKLIN STANDARD SIGN BLADE (8" X 36" W/ 6" HIGH, SERIES D UPPERCASE LETTERS, HIGHWAY FONT). IN THE EVENT THE STREET NAME IS TOO LONG FOR A 36" LONG SIGN, THE NEXT LOWER SERIES TEXT (SERIES C OR B) CAN BE USED.
 3. 1 1/2" DIAMETER BALL-TYPICAL.
 4. STANDARD R1 STOP SIGN (30" X 30") WITH 7" CLEARANCE TO BOTTOM OF SIGN AND THE ADJACENT FINISH GRADE PER MUTCD.
 5. ATTACH WITH RIVETS
 6. 2" X 14" 12-GAUGE SQ. POST (NO HOLES) POWDER COATED BLACK W/BREAK-A-WAY BASE.
 7. BREAK AWAY BOLT PER CITY OF ROCKKLIN SPECIFICATIONS.
 8. 36" DEEP (6"Ø) CONCRETE POST BASE W/27" MIN. SLEEVE. SLEEVE TO BE EMBEDDED 24" PER CITY OF ROCKKLIN DETAIL 3-28
 9. SLEEVE TO RECEIVE 2" SQUARE POST.
 10. 3/4"Ø X 24-7/16" LONG ROD.
 11. 1/2"Ø X 7-11/16" LONG ROD.

FINISH NOTE:
 THE ITEMS SPECIFIED IN NOTES 1, 3, 6, 10 AND 11 SHALL BE POWDER COATED BLACK.

DECORATIVE STEEL BALL SPECS:
 MFG: KING ARCHITECTURAL 3" DIAMETER 10 GAUGE BALL CATALOG #13-30HBL
 1-1/2" DIAMETER 10 GAUGE BALL CATALOG #13-112

CITY OF ROCKKLIN ENGINEERING DIVISION	
OVERALL SIGN CONFIGURATION FRONT VIEW	
SCALE: NONE DATE: 05/03/16 DRAWN BY: J.PINKHAM	DWG # 3-46

- NOTES:
- 1: 1-1/2" DIAMETER STEEL BALL (TYP.) 10 GAUGE
 - 2: 3/4" DIAMETER ROD (TYPICAL)
 - 3: SIGN BLADE HOLDER PER TYPICAL "A" STANDARD 3-48.
 - 4: BRACKETS WELDED TO POST



FINISH NOTE:
 THE ITEMS SPECIFIED IN
 NOTES 1-4 SHALL BE
 POWDER COATED BLACK.

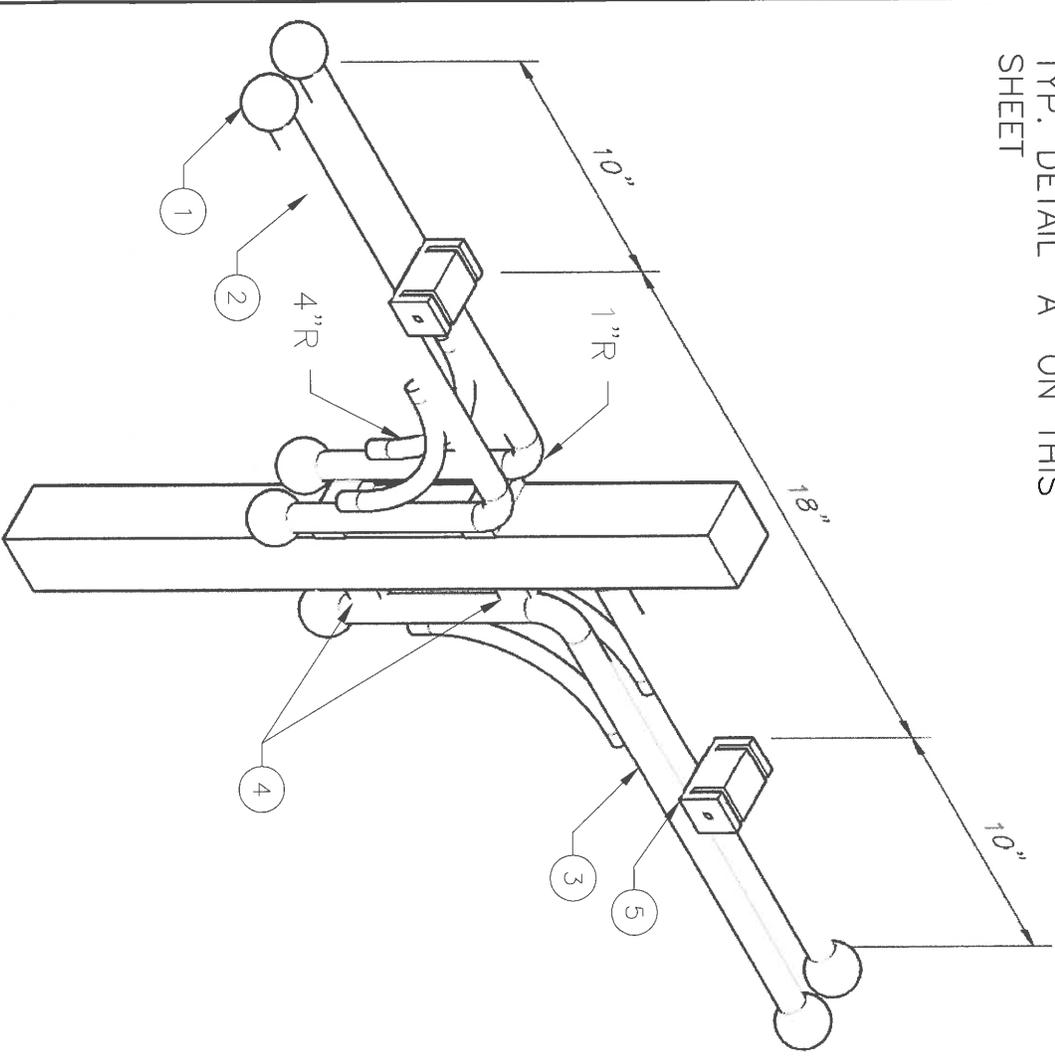
DECORATIVE STEEL BALL SPECS:
 MFG: KING ARCHITECTURAL
 3" DIAMETER 10 GAUGE BALL
 CATALOG #13-30HBL
 1-1/2" DIAMETER 10 GAUGE
 BALL CATALOG #13-112

CITY OF ROCKLIN ENGINEERING DIVISION	
TOP SIGN BRACKET CONFIGURATION	
SCALE: NONE	DWG #
DATE: 05/03/16	3-47
DRAWN BY: J.PINKHAM	

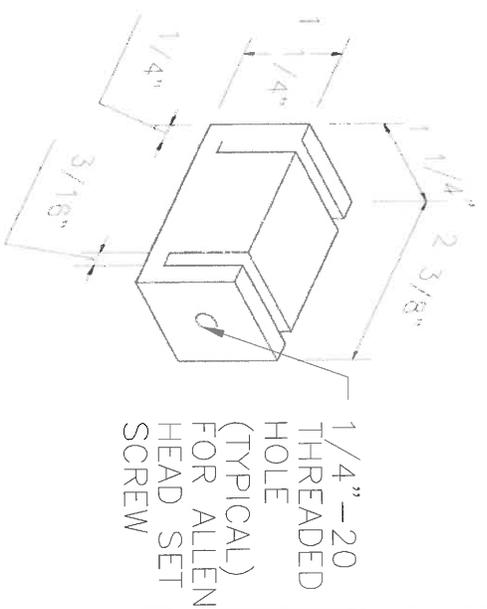
- NOTES:
- 1: 1-1/2" DIAMETER STEEL BALL (TYP.) 10 GAUGE
 - 2: 3/4" DIAMETER ROD
 - 3: 1/2" DIAMETER ROD
 - 4: BRACKETS WELDED TO POST
 - 5: SIGN BLADE HOLDER PER TYP. DETAIL "A" ON THIS SHEET

- DECORATIVE STEEL BALL SPECS:
 MFG: KING ARCHITECTURAL
 3" DIAMETER 10 GAUGE BALL CATALOG #13-30HBL
 1-1/2" DIAMETER 10 GAUGE BALL CATALOG #13-112

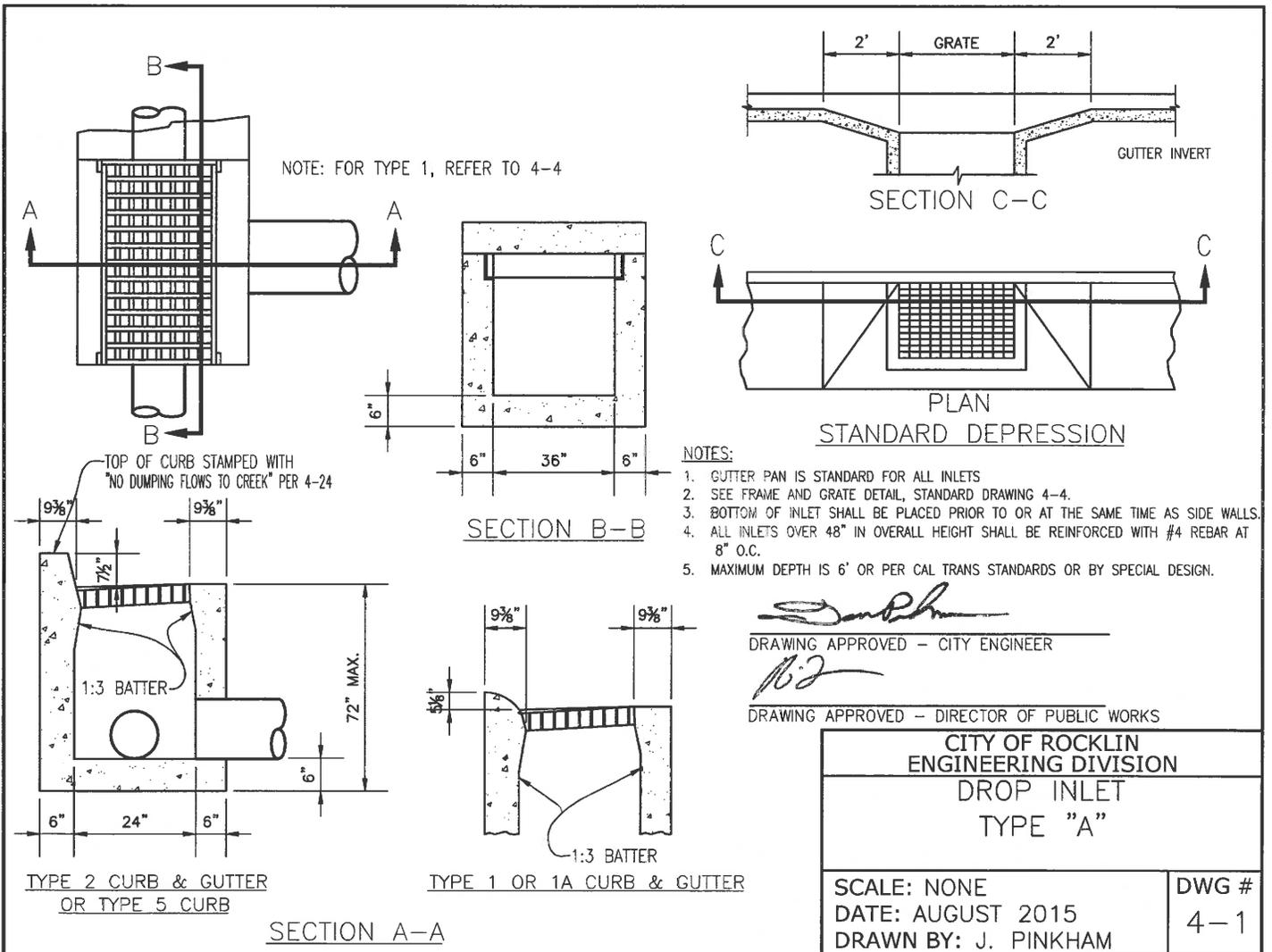
FINISH NOTE:
 THE ITEMS SPECIFIED IN NOTES 1-5
 SHALL BE POWDER COATED BLACK.

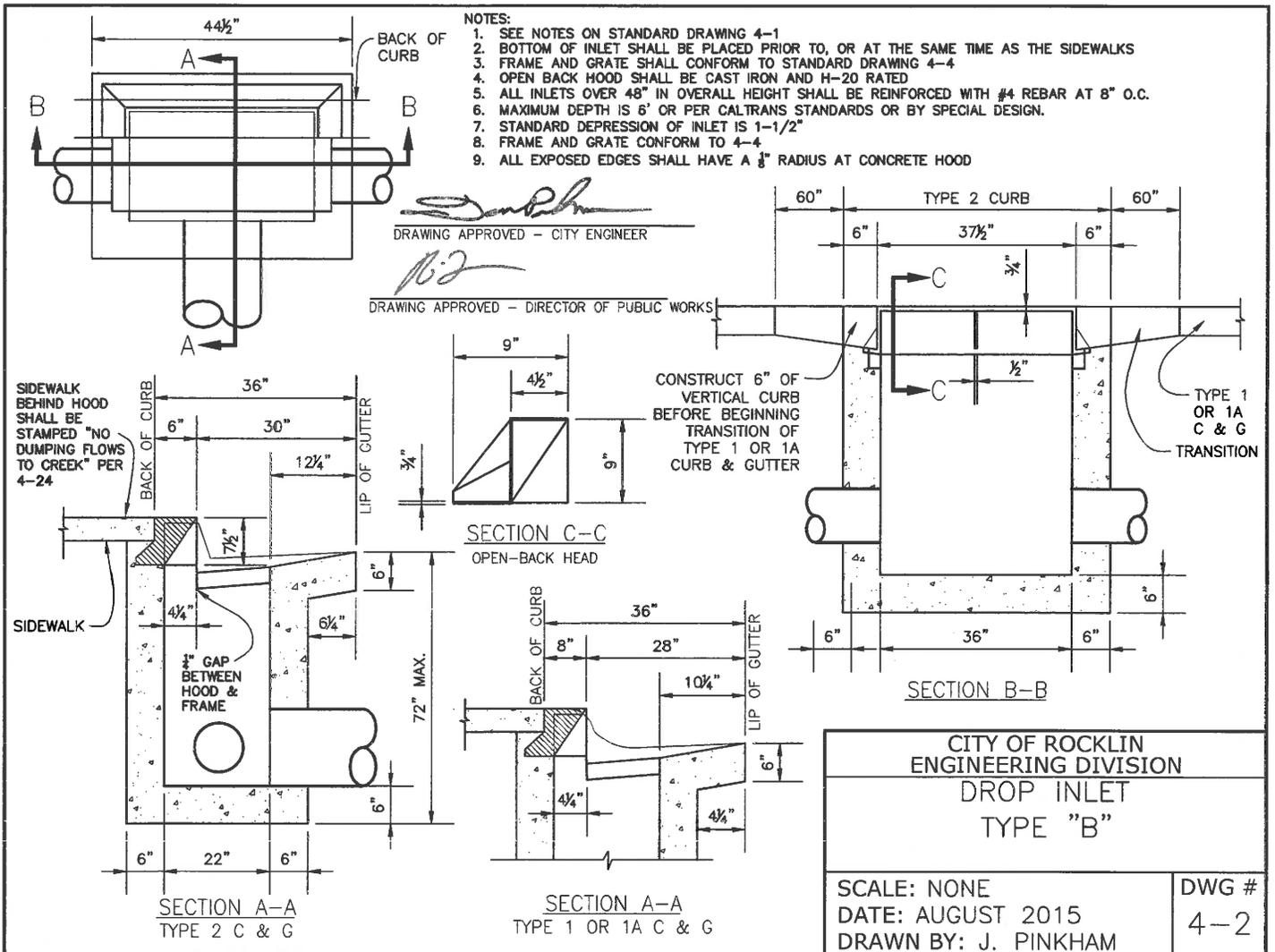


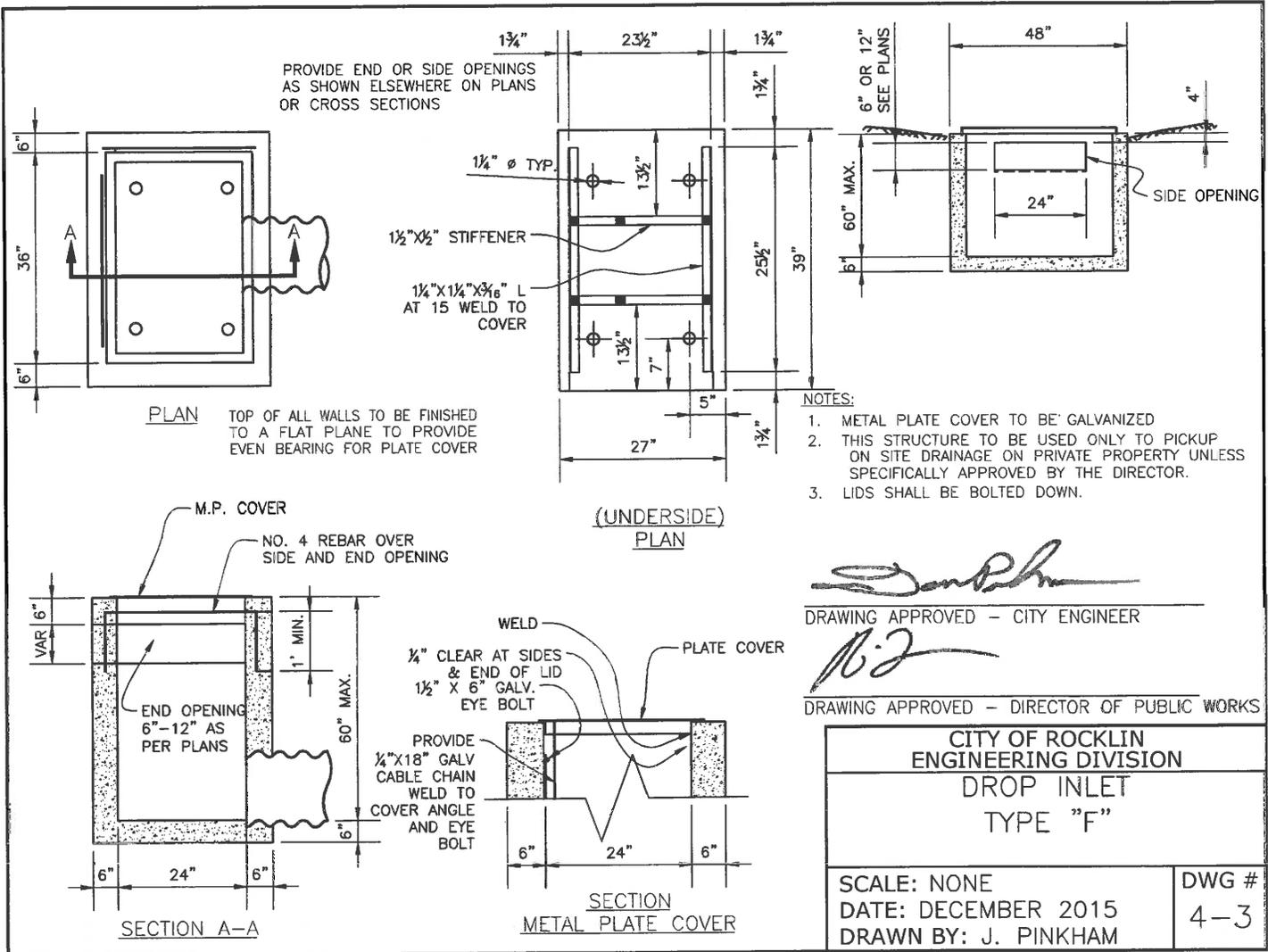
(A) SIGN BLADE HOLDER DETAIL (TYPICAL)



CITY OF ROCKLIN ENGINEERING DIVISION	
BOTTOM SIGN BRACKET CONFIGURATION	
SCALE: NONE	DWG #
DATE: 05/03/16	3-48
DRAWN BY: J.PINKHAM	







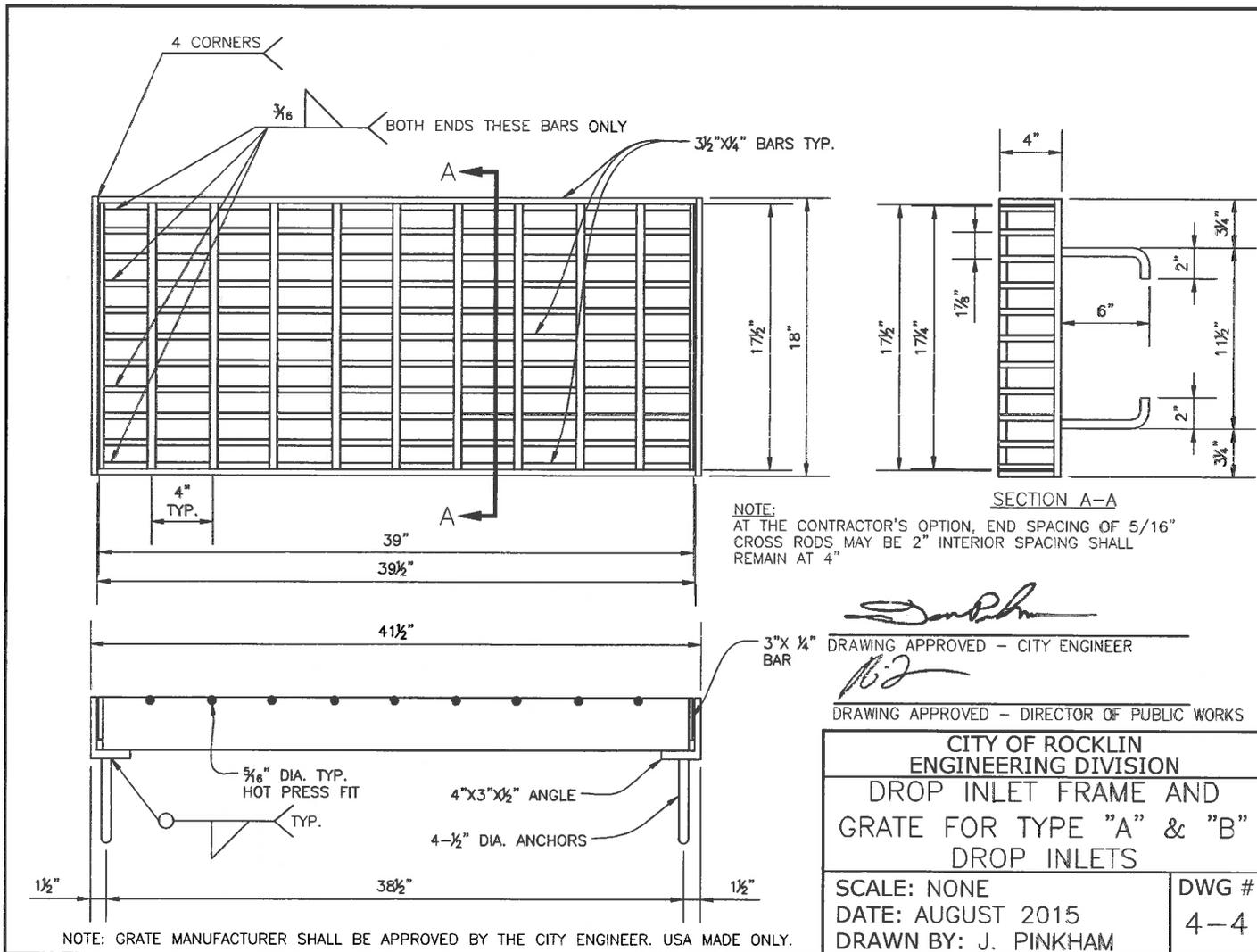
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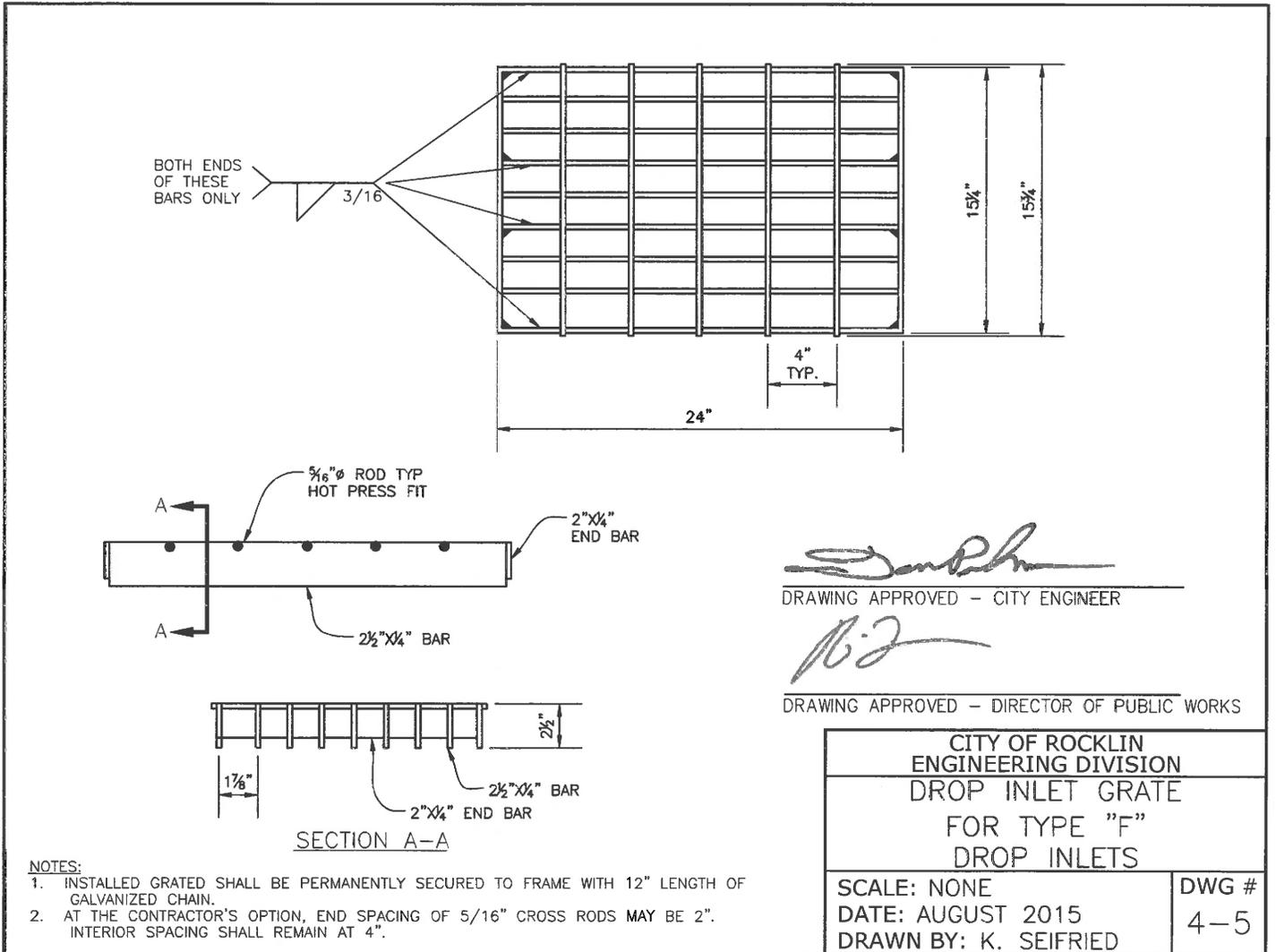
DRAWING APPROVED - CITY ENGINEER

[Signature]

DRAWING APPROVED - DIRECTOR OF PUBLIC WORKS

CITY OF ROCKLIN ENGINEERING DIVISION DROP INLET TYPE "F"	
SCALE: NONE DATE: DECEMBER 2015 DRAWN BY: J. PINKHAM	DWG # 4-3





[Signature]

DRAWING APPROVED - CITY ENGINEER

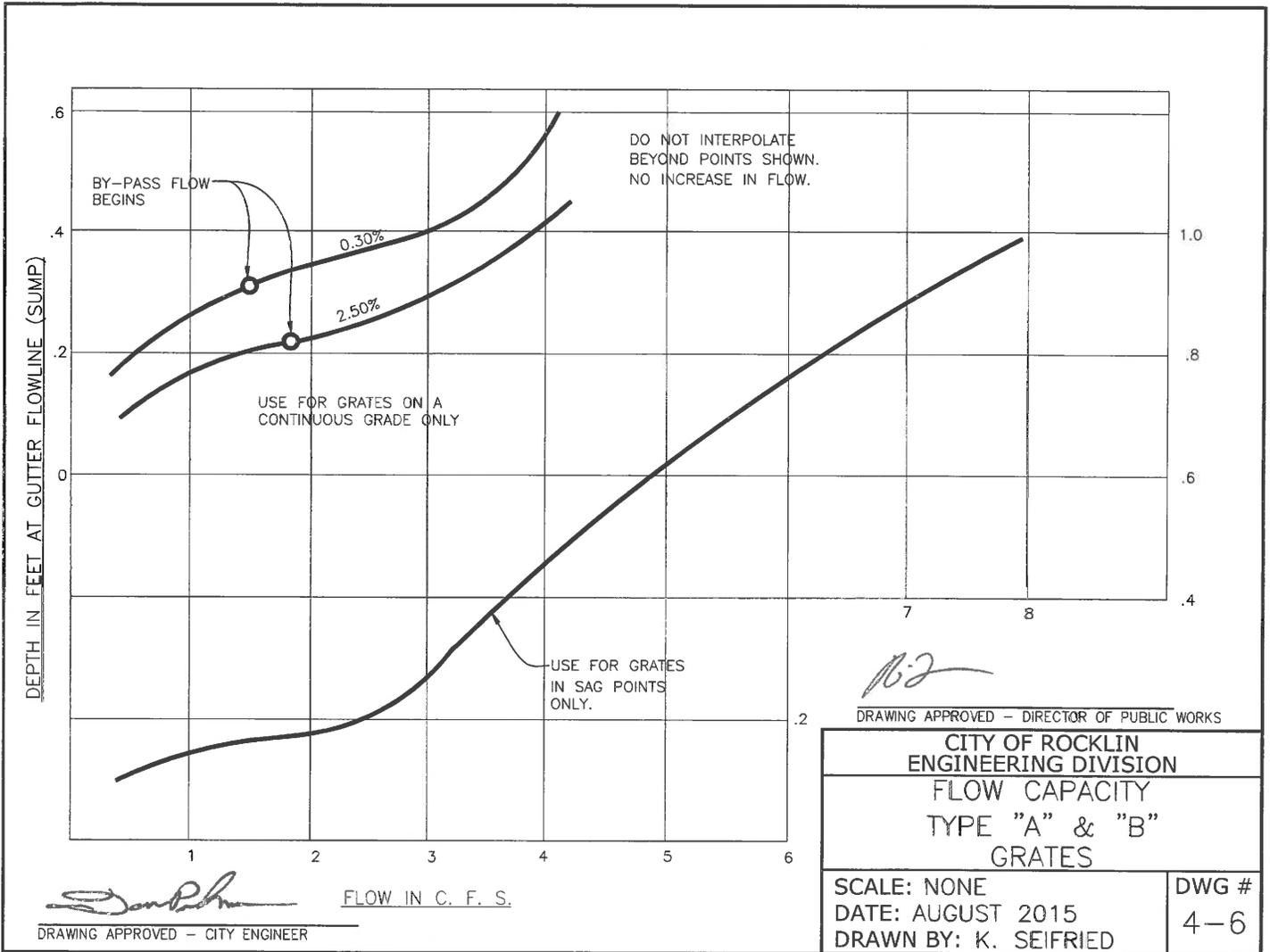
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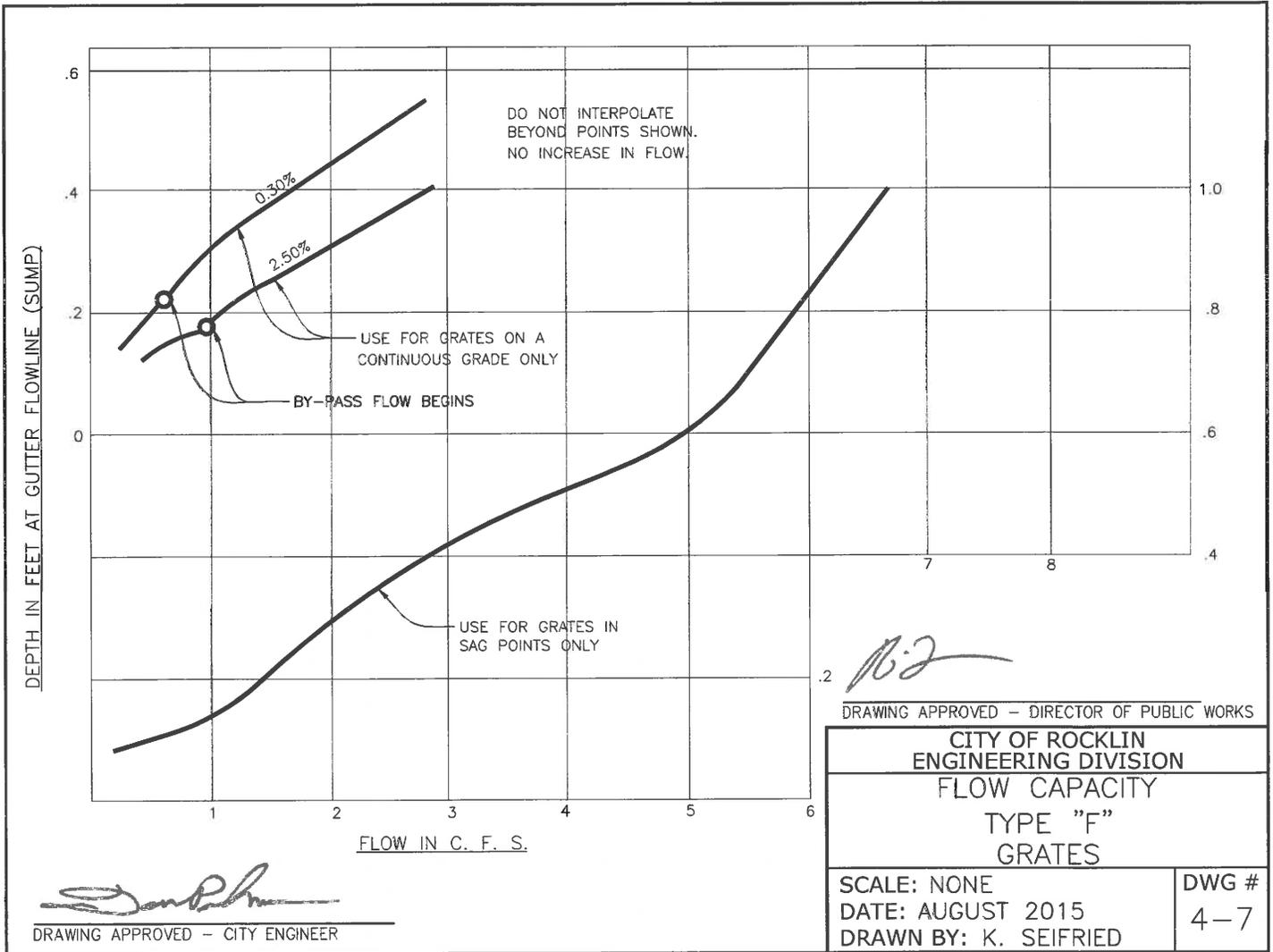
DRAWING APPROVED - DIRECTOR OF PUBLIC WORKS

CITY OF ROCKLIN ENGINEERING DIVISION DROP INLET GRATE FOR TYPE "F" DROP INLETS	
SCALE: NONE DATE: AUGUST 2015 DRAWN BY: K. SEIFRIED	DWG # 4-5

NOTES:

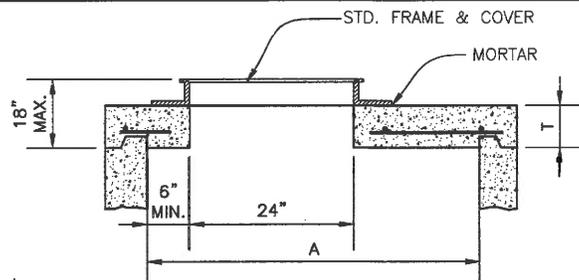
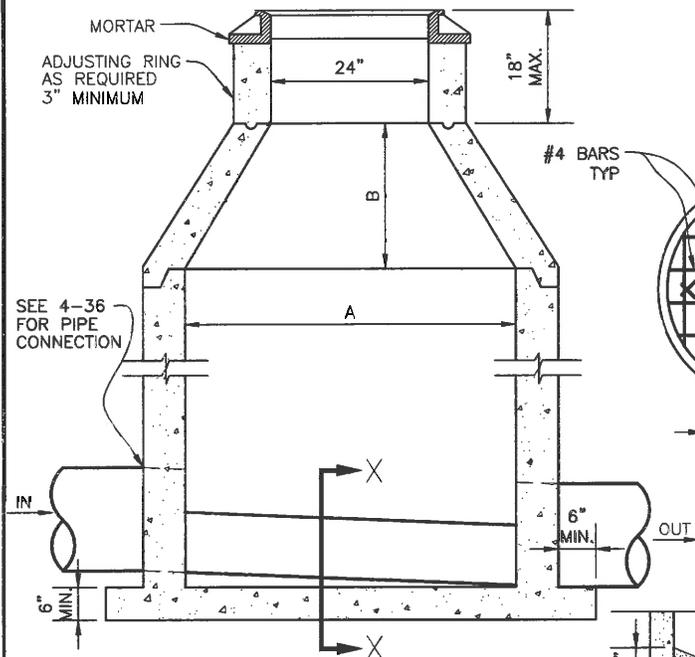
1. INSTALLED GRATED SHALL BE PERMANENTLY SECURED TO FRAME WITH 12" LENGTH OF GALVANIZED CHAIN.
2. AT THE CONTRACTOR'S OPTION, END SPACING OF 5/16" CROSS RODS MAY BE 2". INTERIOR SPACING SHALL REMAIN AT 4".





NOTES:

1. ECCENTRIC CONES SHALL BE USED WHERE SPECIFIED ON THE PLANS
2. JOINTS MAY BE EITHER KEYED OR TONGUE AND GROOVE.



FLAT SLAB SHALL BE USED WHEN DEPTH DOES NOT PERMIT USE OF TAPER UNIT

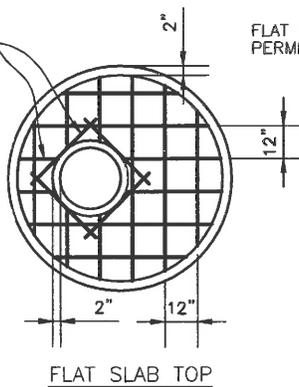


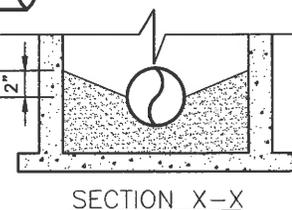
TABLE OF DIMENSIONS

M.H.	A	B	T MIN.
48"	48"	18"	6"
60"	60"	30"	8"
72"	72"	42"	8"

DIMENSION "B" IS A MINIMUM DIMENSION AND MAY BE GREATER IF DEPTH PERMITS.

RISER SECTIONS, CONES, AND ADJUSTING RINGS SHALL CONFORM TO ASTM DESIGNATION C-478

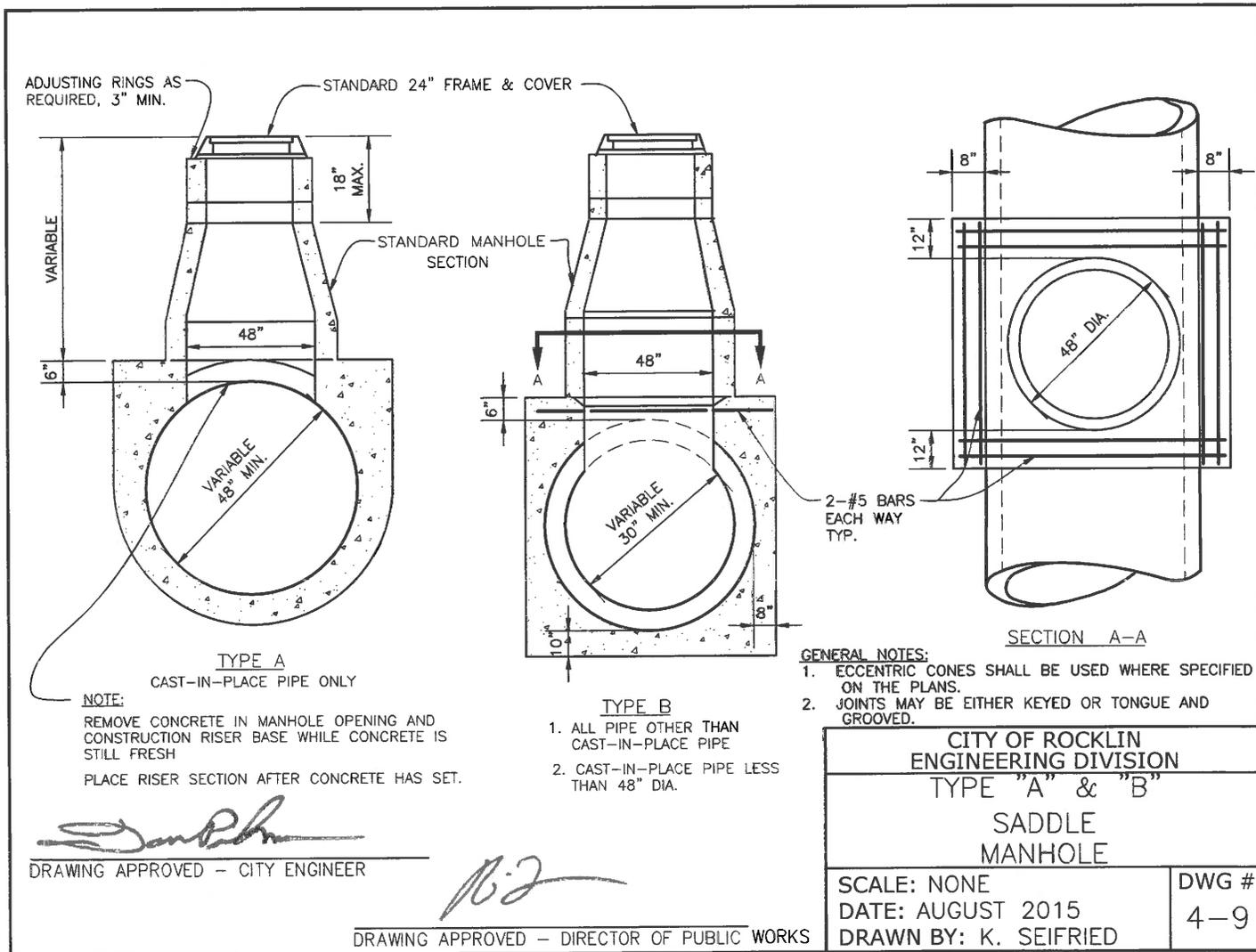
FRAME SHALL BE SECURED TO RISER OR FLAT SLAB TOP WITH CEMENT MORTAR

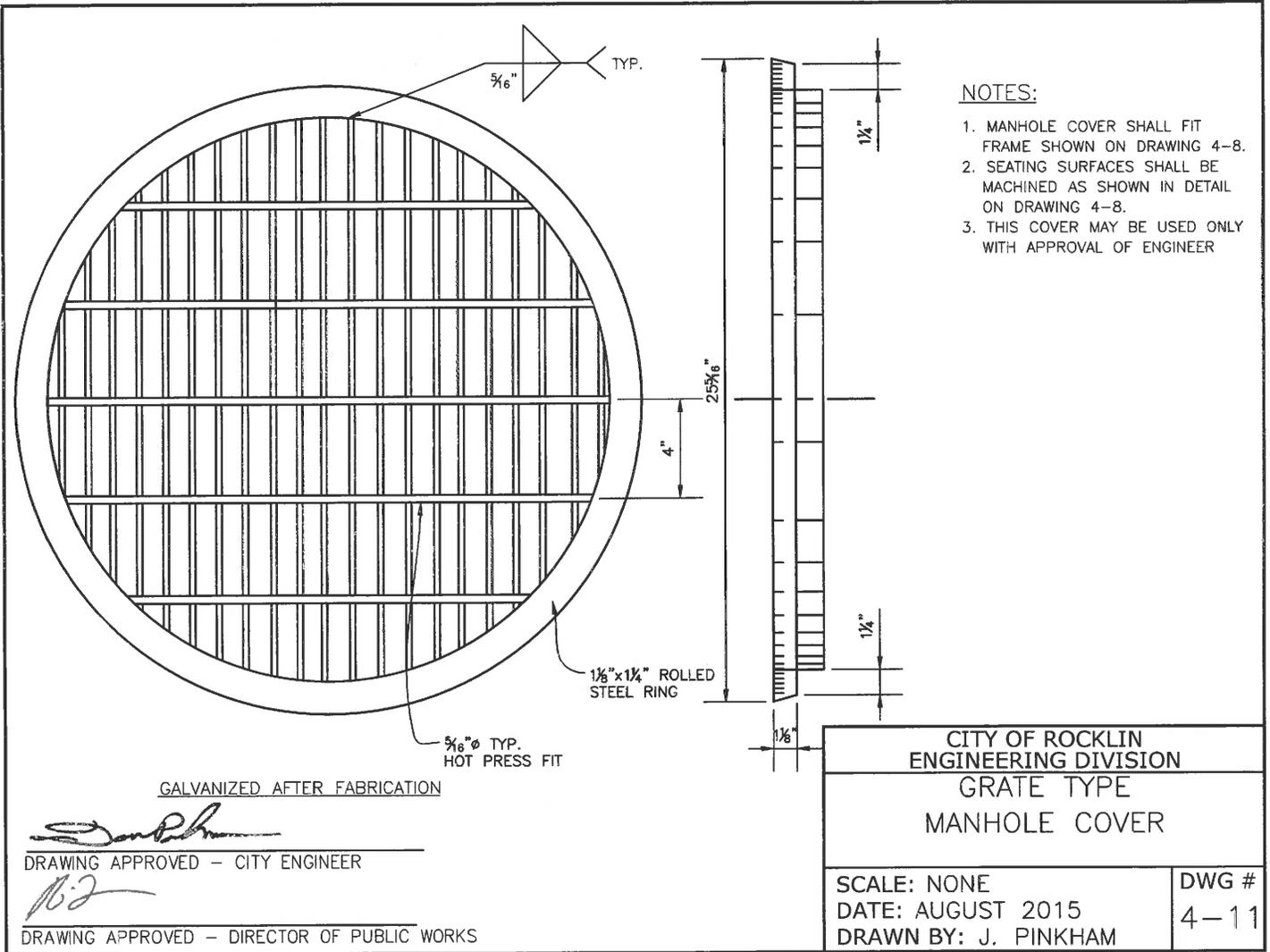


[Signature]
DRAWING APPROVED - CITY ENGINEER

[Signature]
DRAWING APPROVED - DIRECTOR OF PUBLIC WORKS

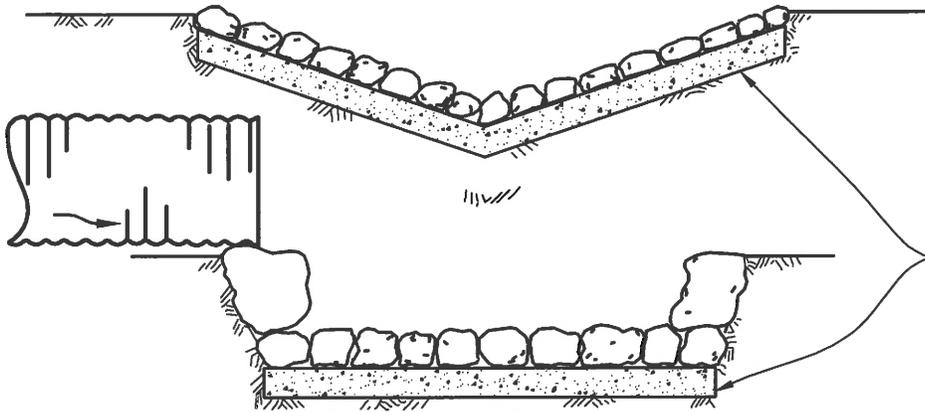
CITY OF ROCKLIN ENGINEERING DIVISION STANDARD PRECAST DRAINAGE MANHOLE	
SCALE: NONE DATE: AUGUST 2015 DRAWN BY: K. SEIFRIED	DWG # 4-8





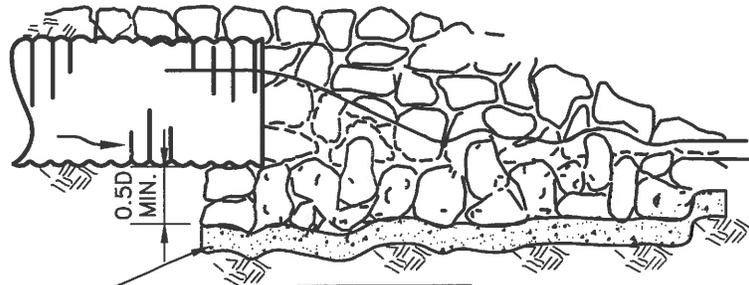
NOTES:

1. MANHOLE COVER SHALL FIT FRAME SHOWN ON DRAWING 4-8.
2. SEATING SURFACES SHALL BE MACHINED AS SHOWN IN DETAIL ON DRAWING 4-8.
3. THIS COVER MAY BE USED ONLY WITH APPROVAL OF ENGINEER



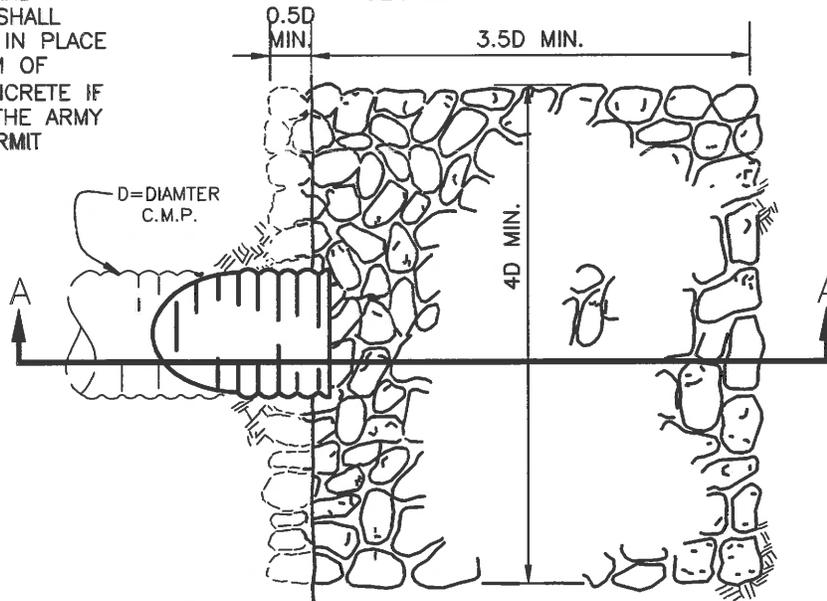
BOTH COBBLE AND QUARRY ROCK SHALL BE CONCRETED IN PLACE WITH A MINIMUM OF 6" BED OF CONCRETE IF APPROVED BY THE ARMY CORP. 404 PERMIT.

STREAM BANK SLOPE PROTECTION



SECTION A-A

BOTH COBBLE AND QUARRY ROCK SHALL BE CONCRETED IN PLACE WITH A MINIMUM OF 6" BED OF CONCRETE IF APPROVED BY THE ARMY CORPS 404 PERMIT



CULVERT OUTFALL

NOTE:

STONE LINING SHALL BE GROUTED COBBLES CONFORMING TO THE REQUIREMENTS OF THE STANDARD CONSTRUCTION SPECIFICATIONS OR QUARRY ROCK CONFORMING TO THE REQUIREMENTS OF THE STANDARD CONSTRUCTION SPECIFICATIONS SS-15 & SS-16 AND CALTRANS SECTION 72.

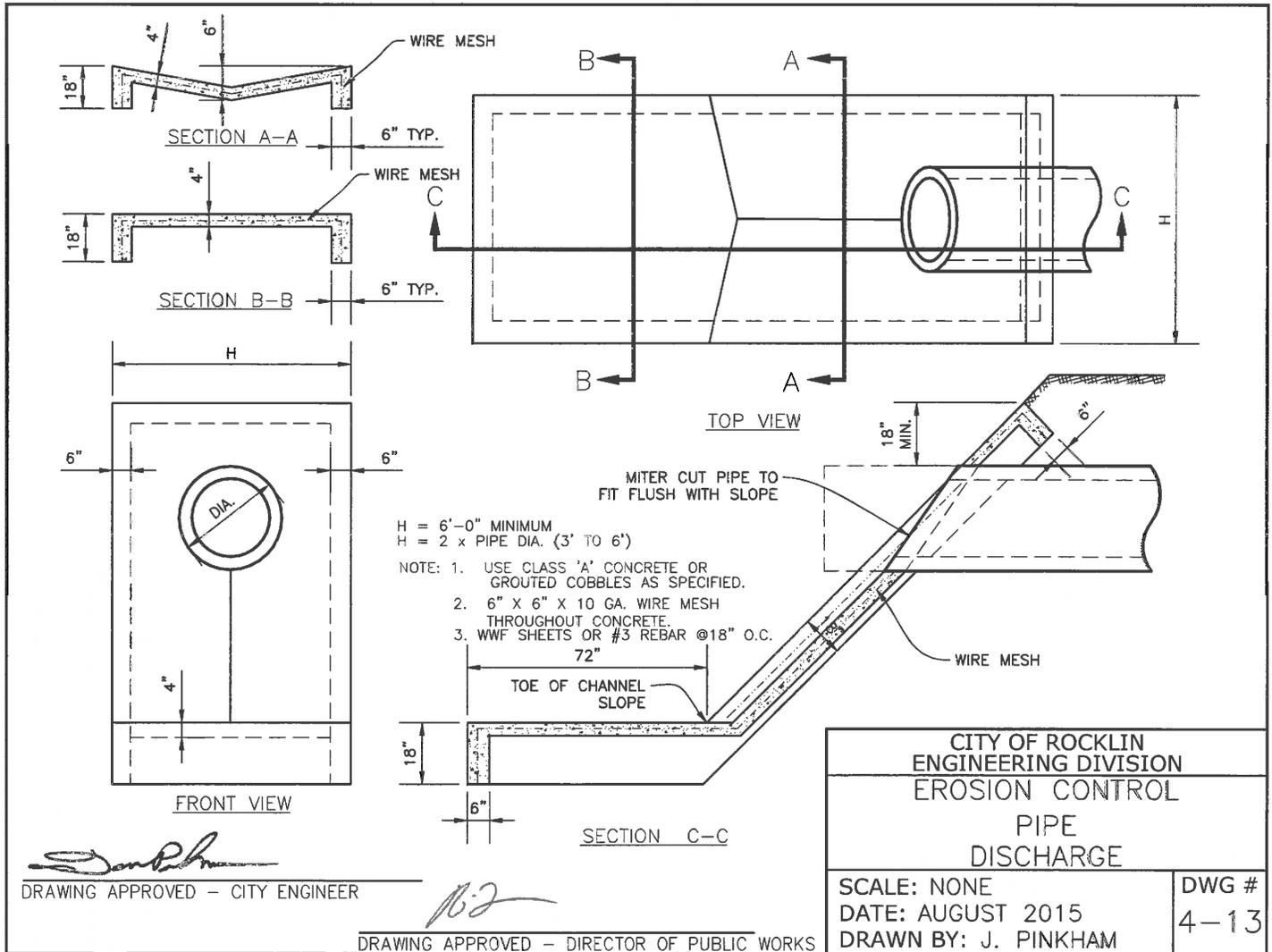
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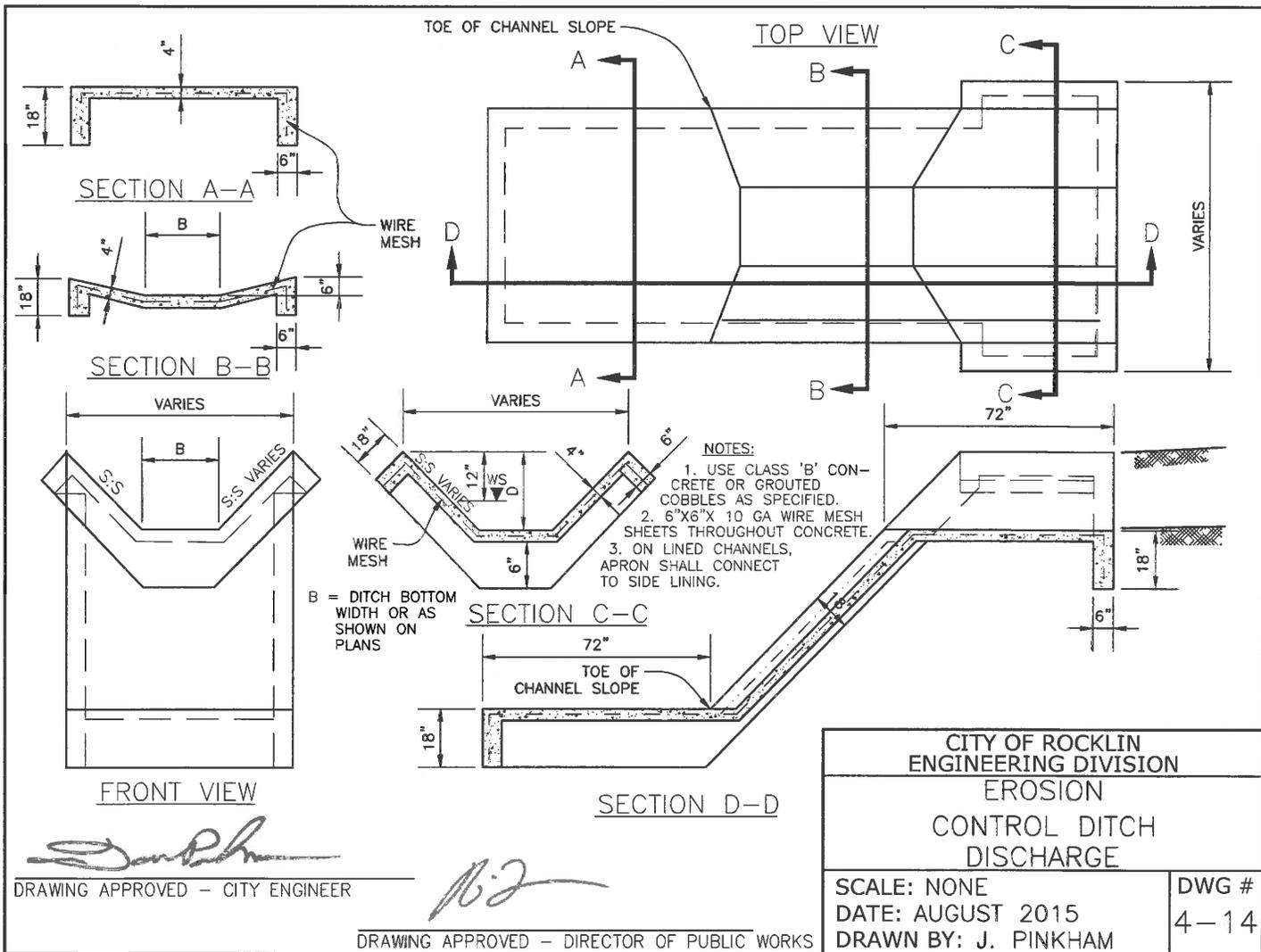
DRAWING APPROVED - CITY ENGINEER

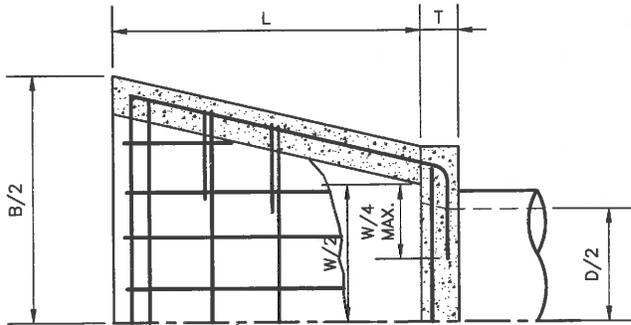
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DRAWING APPROVED - DIRECTOR OF PUBLIC WORKS

CITY OF ROCKLIN ENGINEERING DIVISION	
CULVERT OUTFALL AND STREAM BANK SLOPE PROTECTION	
SCALE: NONE	DWG #
DATE: DECEMBER 2015	4-12
DRAWN BY: J. PINKHAM	







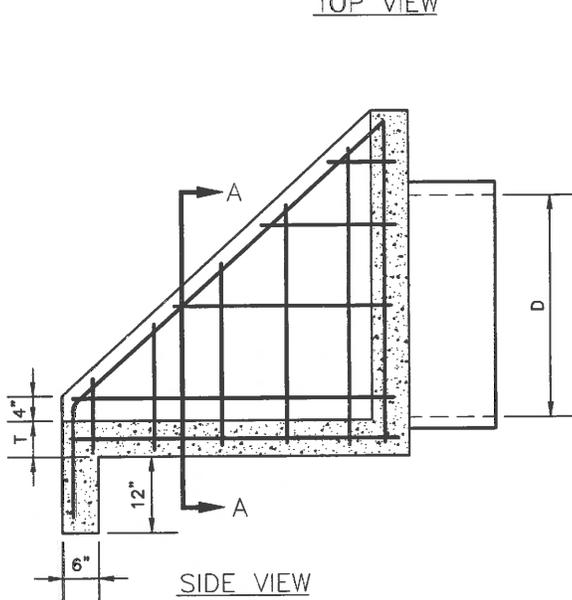
SYMMETRICAL ABOUT C/L
TOP VIEW

DIMENSIONS & REINFORCING

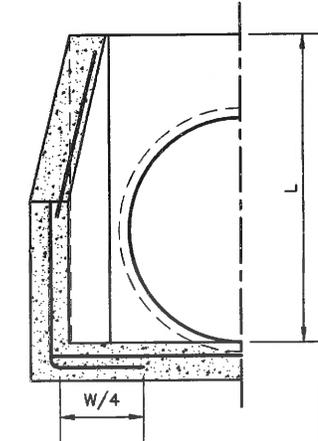
D	W	B	L	T	ALL REINFORCING
33"	3'- 5"	5'- 3"	4'- 0"	6"	# 5 @ 12"
36"	3'- 8"	5'- 8"	4'- 2"	6"	# 5 @ 12"
42"	4'- 4"	6'- 4"	4'- 8"	6"	# 5 @ 12"
48"	4'-10"	7'- 2"	5'- 2"	8"	# 6 @ 12"
54"	5'- 4"	8'- 0"	6'- 0"	8"	# 6 @ 12"
60"	6'- 0"	8'-10"	6'- 6"	8"	# 6 @ 12"

NOTES:

1. "B" MAY BE REDUCED IF REQUIRED BY CHANNEL DIMENSIONS.
2. REINFORCING BAR SPACING SHOWN IS MAXIMUM SPACING.
3. USE CLASS 'B' CONCRETE.



SIDE VIEW

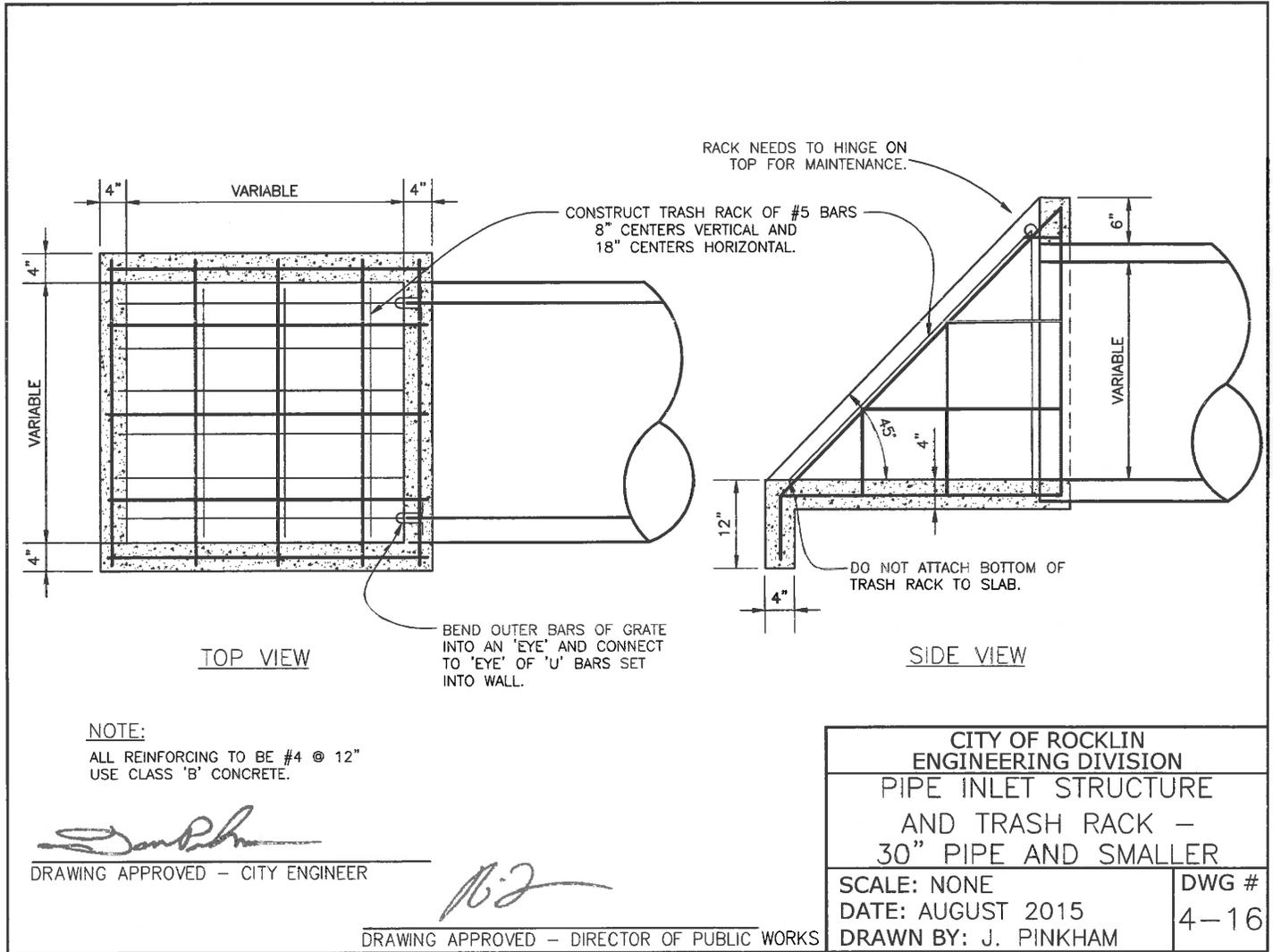


HALF SECTION A-A

[Signature]
DRAWING APPROVED - CITY ENGINEER

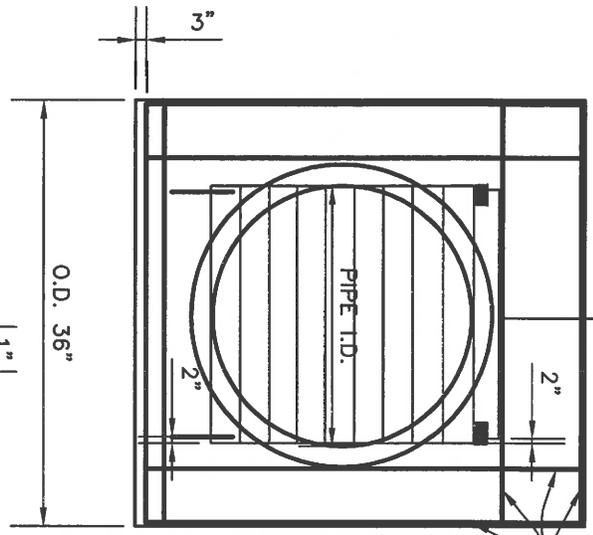
[Signature]
DRAWING APPROVED - DIRECTOR OF PUBLIC WORKS

CITY OF ROCKLIN ENGINEERING DIVISION PIPE INLET STRUCTURE	
SCALE: NONE DATE: AUGUST 2015 DRAWN BY: J. PINKHAM	DWG # 4-15



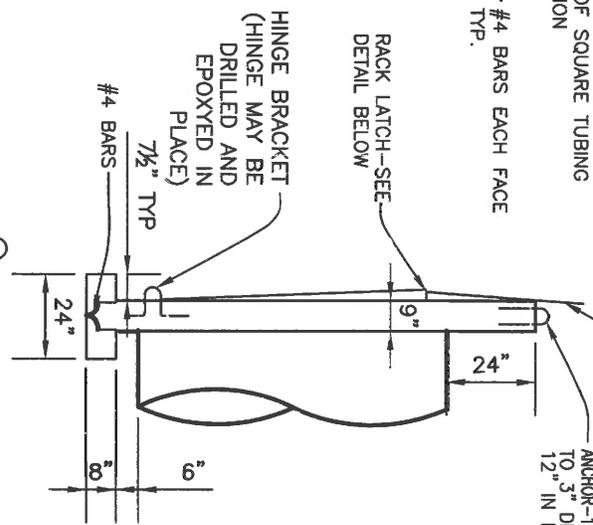
NOTE:
ALL REINFORCING STEEL SHALL
HAVE 2" EMBEDMENT EXCEPT
AS NOTED

TRASH RACK LATCH LINKAGE, SEE TABLE
AT RIGHT FOR SIZE OF SQUARE TUBING
STOCK FOR FABRICATION



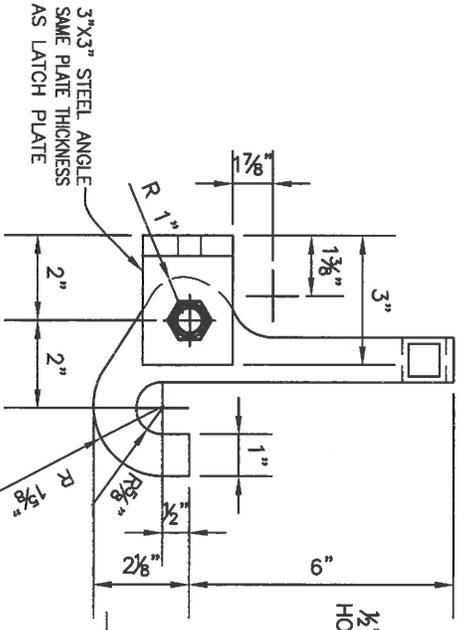
FASTEN LATCH LINKAGE TO ANCHOR
WITH CHAIN AND PADLOCK

ANCHOR-1/2" DIA. STEEL, BENT
TO 3" DIA. AND EMBEDDED
12" IN HEADWALL



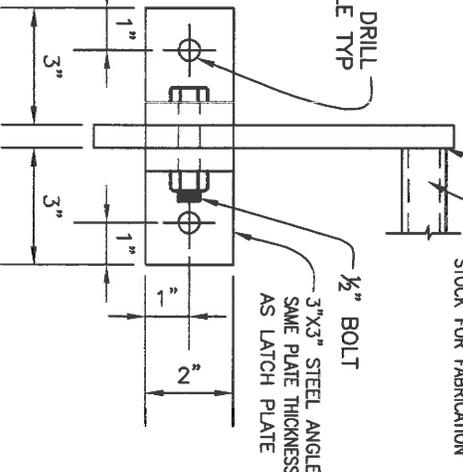
RACK LATCH-SEE
DETAIL BELOW

HINGE BRACKET
(HINGE MAY BE
DRILLED AND
EPOXYED IN
PLACE)



3"x3" STEEL ANGLE
SAME PLATE THICKNESS
AS LATCH PLATE

NOTE: FABRICATE LATCH FROM STEEL PLATE.



1/2" DRILL
HOLE TYP

3"x3" STEEL ANGLE
SAME PLATE THICKNESS
AS LATCH PLATE

NOTE: FABRICATE LATCH FROM STEEL PLATE.
FOR THICKNESS SEE TABLE.

PIPE SIZE	RACK BAR SIZE	LATCH PLATE THICKNESS	LATCH LINKAGE SIZE
18" & 21"	#4	1/4"	1", .095" THICK
24"	#4	1/4"	1", .095" THICK
27"	#5	1/4"	1", .095" THICK
30"	#5	3/8"	1", .095" THICK
33"	#6	3/8"	1", .095" THICK
36"	#6	3/8"	1", .133" THICK
42"	#7	3/8"	1", .133" THICK
48"	#7	1/2"	1", .133" THICK
54"	#7	1/2"	1", .133" THICK
60"	#8	1/2"	1", .133" THICK
66"	#8	1/2"	1", .133" THICK
72"	#8	1/2"	1", .133" THICK
84"	#8	1/2"	1", .133" THICK

NOTES:

1. ENTIRE RACK TO BE WELDED W/ REINFORCING STEEL OR ROUND BARS OF EQUAL DIA. WITH HORIZONTAL BARS BEING 8" CENTER TO CENTER.
2. USE CLASS "B" CONCRETE.
3. ROOM SHALL BE PROVIDED DOWNSTREAM TO LAY RACK FLAT.
4. FASTEN LATCH BRACKET TO HEADWALL WITH 1/2" X 6" BOLTS WITH HEX NUTS, OR 1/2" EXPANSION BOLTS.
5. WHEN RACK IS IN THE CLOSED POSITION, THE BOTTOM RACK BAR SHALL BE TIGHT AGAINST THE TOP OF THE HINGE BRACKET SO THAT THE RACK CANNOT BE LIFTED OFF THE LATCH.
6. FABRICATE HINGE BRACKET FROM #4 RE-BAR.
7. PAD LOCK TO BE PROVIDED BY DEVELOPER

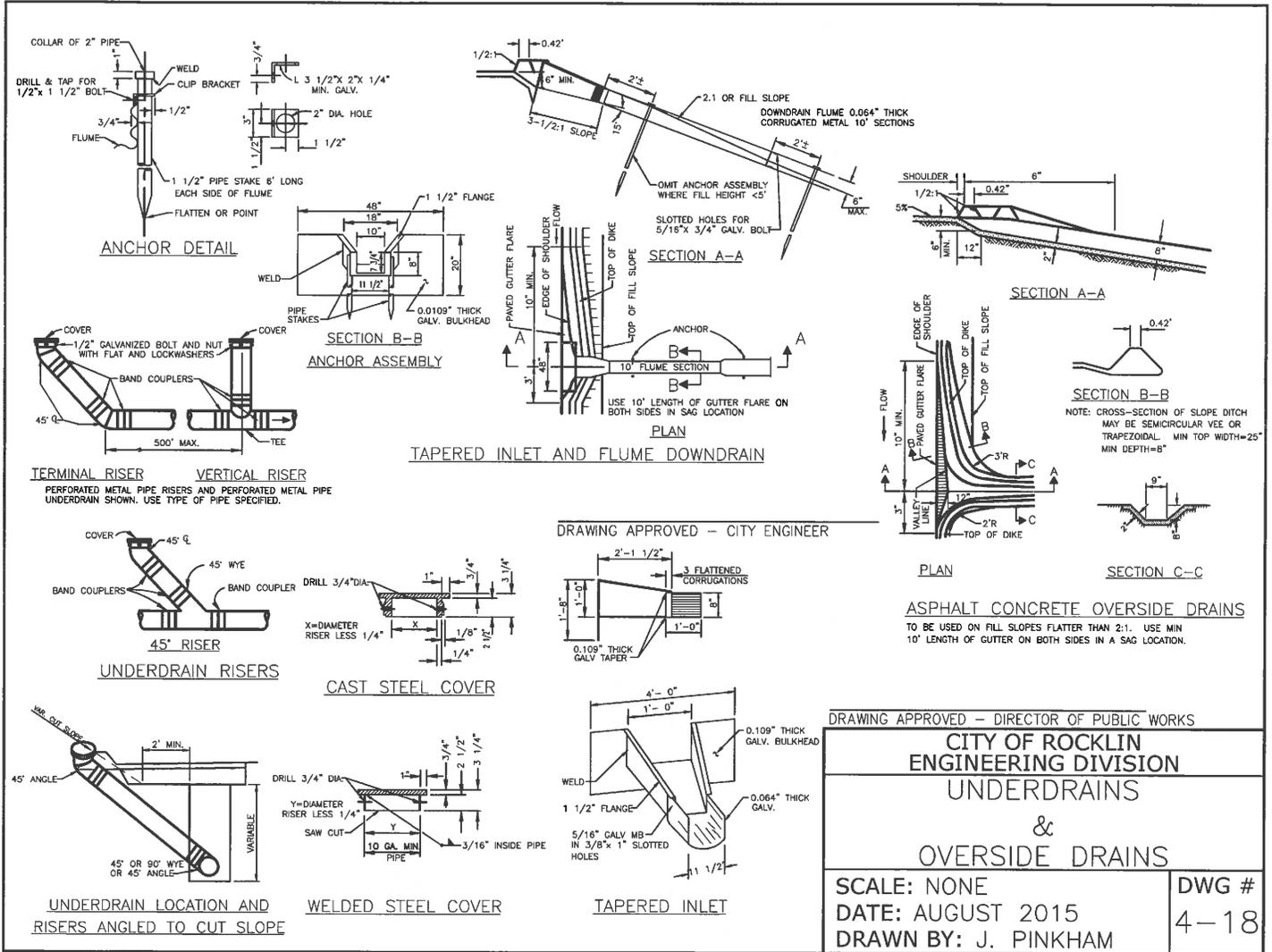
DRAWING APPROVED - CITY ENGINEER

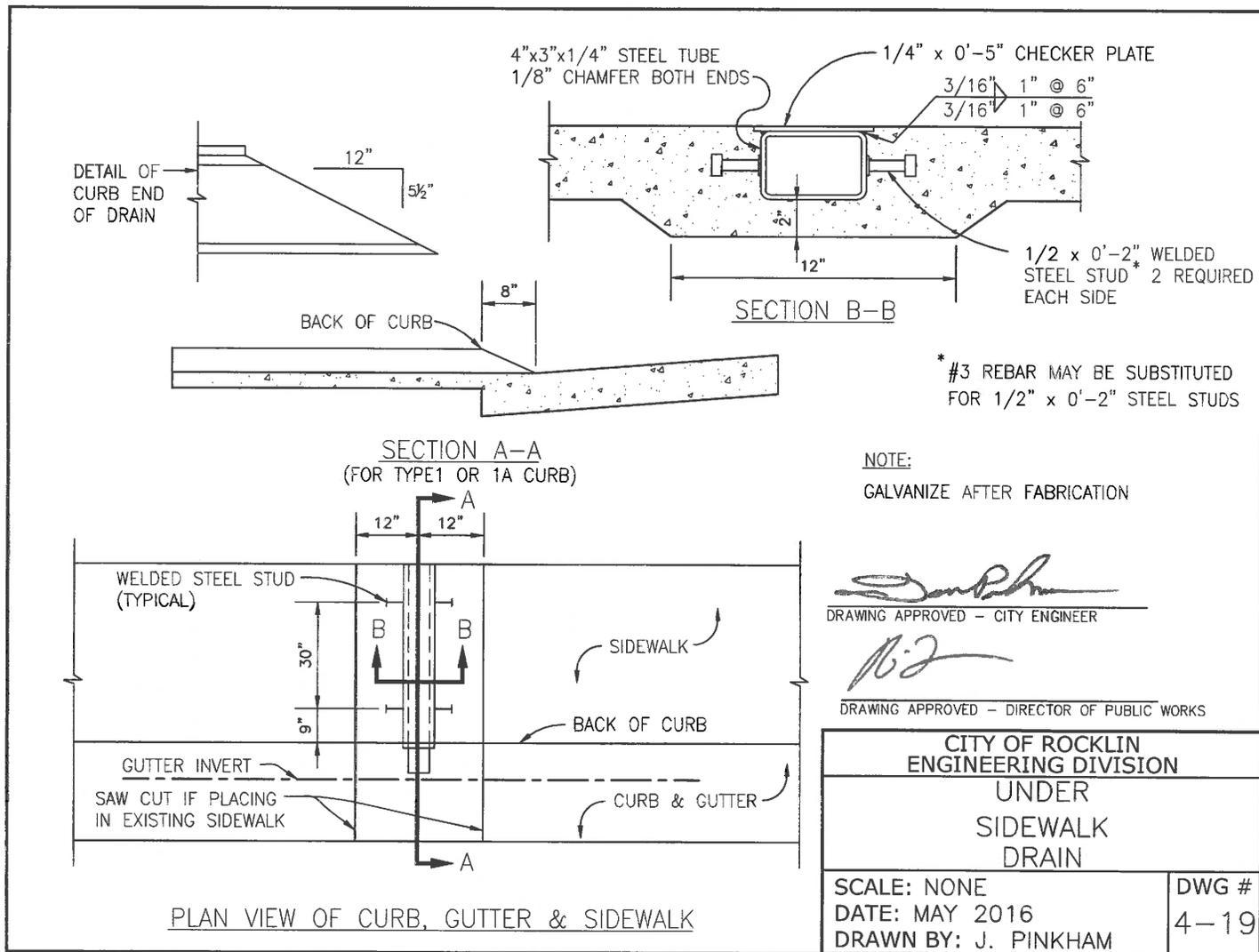
DRAWING APPROVED - DIRECTOR OF PUBLIC WORKS

CITY OF ROCKKLIN
ENGINEERING DIVISION
PIPE OUTFALL
ACCESS CONTROL
RACK

SCALE: NONE
DATE: MAY 2016
DRAWN BY: J. PINKHAM

DWG #
4-17





SECTION X-X
PRECAST CONCRETE FLARED END SECTION TYPE A
(SEE NOTE 6)

CONSTRUCT P.C.C. CUTOFF WALL

PIPE DIA.

TONGUE END ON INLET SECTION
GROOVE END ON OUTLET SECTION.

MINIMUM DIMENSIONS

PIPE DIA.	A	B	C*	D	E	SLOPE
12"	4"	2"	2'-0"	2'-0"	2'-0"	
18"	6"	2'-1/2"	2'-3"	3'-0"	3'-0"	
24"	9'-1/2"	3"	3'-1/2"	4'-0"	4'-0"	
30"	1'-0"	3'-1/2"	4'-0"	5'-0"	5'-0"	
36"	1'-3"	4"	5'-3"	6'-0"	6'-0"	
42"	1'-9"	4'-1/2"	5'-3"	6'-6"	6'-6"	
48"	2'-0"	5"	6'-0"	7'-0"	7'-0"	
54"	2'-3"	5'-1/2"	5'-5"	7'-8"	7'-8"	

2-1 OR FLATTER OR SLOPE

MINIMUM 1" STUB CONNECTOR TO BE HELICAL OR ANNULAR AS REQUIRED (SEE NOTE 7)

SECTION Y-Y
PRECAST CONCRETE FLARED END SECTION TYPE B
(SEE NOTE 6)

CONSTRUCT P.C.C. CUTOFF WALL

PIPE DIA.

TONGUE END ON INLET SECTION
GROOVE END ON OUTLET SECTION.

MINIMUM DIMENSIONS

PIPE DIA.	A	B	C*	D	E	SLOPE
12"	4"	3'-3/4"	1'-10"	2'-0"	2'-0"	
18"	6"	2"	2'-1"	3'-0"	3'-0"	
24"	9'-1/2"	2'-1/2"	3'-5"	4'-0"	4'-0"	
30"	1'-0"	3"	4'-5"	5'-0"	5'-0"	
36"	1'-3"	3'-3/8"	5'-2"	6'-0"	6'-0"	
42"	1'-9"	3'-3/4"	5'-3"	6'-6"	6'-6"	
48"	2'-0"	4'-1/4"	6'-0"	7'-0"	7'-0"	
54"	2'-3"	4'-3/8"	5'-8"	8'-10"	8'-10"	

2-1 OR FLATTER OR SLOPE

MINIMUM 1" STUB CONNECTOR TO BE HELICAL OR ANNULAR AS REQUIRED (SEE NOTE 7)

ALTERNATE END SECTION CONNECTOR STRAP

1" x 1.09" STRAP WITH STANDARD 1/2" x 6" BOLT

FINISHED EARTH SLOPE AS REQUIRED

LIMIT OF PAYMENT FOR PIPE

TOE PLATE IF REQUIRED BY SPECIAL PROVISIONS OR STANDARD SPECIFICATIONS (SEE NOTE 4).

TYPICAL CROSS-SECTION

ALTERNATE CONNECTIONS PIPE TO FLARED END SECTIONS

LUG CONNECTOR FOR THREADED ROD OR 1/2" x 6" BOLT FOR 1" x 1.09" STRAP

1/2" DIAMETER ROD OR 1" x 1.09" STRAP

REINFORCED EDGE (SEE NOTE 2)

DIA. OR SPAN

W

A

PLAN

LIMIT OF PAYMENT FOR RCP OR ALTERNATIVE PIPE 2X4-W1.2XW1.2 WELDED WIRE FABRIC (COMMERCIAL QUALITY)

RCP DIA.

ACP

STEEL FLARED END SECTION

MORTAR COLLAR 3/4" MIN. COVER OVER WWF

4" MIN.

CORRUGATED STEEL PIPE STUB (1' LONG) SAME THICKNESS AS S.F.E.S.

SKIRT

TOE PLATE IF REQUIRED

STEEL FLARED END SECTION CONNECTION TO RCP OR ACP

NOTES

- ALL SPD BODIES TO HAVE 0.109" THICK SIDES AND 0.138" THICK CENTER PANELS WITH CENTER PANELS TO BE GREATER THAN 20% OF THE PIPE PERIPHERY. MULTIPLE PANEL BODIES TO HAVE LAP SEAMS WHICH ARE TO BE TIGHTLY JOINED BY RIVETS OR BOLTS.
- REINFORCED EDGES TO BE SUPPLEMENTED WITH STIFFENER ANGLES FOR THE 60" THRU 84" ROUND, 77"x52" AND 83"x57" PIPE-ARCH SIZES. THE ANGLES WILL BE 2"x2"x1/4" FOR THE 60" THRU 72" ROUND, 77"x52" AND 83"x57" PIPE-ARCH SIZES AND 2-1/2"x2-1/2"x1/4" FOR 78" AND 84" ROUND. THE ANGLES TO BE ATTACHED BY 5/8" NUTS AND BOLTS.
- ANGLE REINFORCEMENT WILL BE PLACED UNDER THE CENTER PANEL SEAMS ON THE 77"x52" AND 83"x57" PIPE-ARCH SIZES.
- TOE PLATE TO BE AVAILABLE AS AN ACCESSORY WHEN SPECIFIED.
- END OF PIPE TO BE FINISHED WITH ANNUAL CORRUGATIONS TO CONFORM TO FLARED END SECTION SO THAT MINIMAL LEAKAGE RESULTS FROM THE CONNECTION. OTHER DESIGNS MAY BE USED WITH APPROVAL OF THE ENGINEER.
- CONTRACTOR HAS THE OPTION OF USING EITHER TYPE A OR B "PRECAST CONCRETE FLARED END SECTION".
- FOR 12" THRU 24" HELICAL END SECTION CONNECTION, A UNIVERSAL COUPLING BAND ATTACHED TO THE METAL END SECTION BY RIVETS, BOLTS OR ONE INCH LONG SHOP TACK WELDS SPACED AT SAME INTERVALS AS IMPLES MAY BE USED IN PLACE OF THE 12" STUB. SEE STANDARD PLAN 003-C.

ALTERNATE CONNECTIONS FOR PIPE TO FLARED END SECTIONS

CIRCULAR PIPES

PIPE DIA.	END SECTION THICK	DIMENSIONS-INCHES				W	INCHES	END SECTION THICK	DIMENSIONS-INCHES				W	
		A	B	C	D				A	B	C	D		
12"	0.064"	5	6	6	21	24	21	15	0.064"	7	10	6	23	36
15"	0.064"	7	8	6	26	30	24	18	0.064"	8	12	6	28	42
18"	0.064"	8	9	6	31	36	26	20	0.064"	9	14	6	32	48
21"	0.064"	9	10	6	36	42	30	24	0.079"	10	16	6	39	60
24"	0.064"	10	13	6	41	48	42	29	0.079"	12	18	6	46	75
30"	0.079"	12	16	6	51	60	46	33	0.109"	13	21	6	53	85
36"	0.079"	14	19	6	60	72	57	38	0.109"	18	25	12	63	90
42"	0.109"	16	22	11	69	84	64	43	0.109"	18	33	12	70	102
48"	0.109"	19	27	12	78	90	71	47	0.109"	18	33	12	77	114
54"	0.109"	19	30	12	84	102	77	52	0.109"	18	36	12	77	126
60"	0.109"	18	33	12	87	114	83	57	0.109"	18	39	12	77	136
66"	0.109"	18	36	12	87	120								
72"	0.109"	18	39	12	87	126								
78"	0.109"	18	42	12	87	132								
84"	0.109"	18	45	12	87	136								

PIPE-ARCHES

PIPE DIA.	END SECTION THICK	DIMENSIONS-INCHES				W	INCHES	END SECTION THICK	DIMENSIONS-INCHES				W	
		A	B	C	D				A	B	C	D		
12"	0.064"	5	6	6	21	24	21	15	0.064"	7	10	6	23	36
15"	0.064"	7	8	6	26	30	24	18	0.064"	8	12	6	28	42
18"	0.064"	8	9	6	31	36	26	20	0.064"	9	14	6	32	48
21"	0.064"	9	10	6	36	42	30	24	0.079"	10	16	6	39	60
24"	0.064"	10	13	6	41	48	42	29	0.079"	12	18	6	46	75
30"	0.079"	12	16	6	51	60	46	33	0.109"	13	21	6	53	85
36"	0.079"	14	19	6	60	72	57	38	0.109"	18	25	12	63	90
42"	0.109"	16	22	11	69	84	64	43	0.109"	18	33	12	70	102
48"	0.109"	19	27	12	78	90	71	47	0.109"	18	33	12	77	114
54"	0.109"	19	30	12	84	102	77	52	0.109"	18	36	12	77	126
60"	0.109"	18	33	12	87	114	83	57	0.109"	18	39	12	77	136
66"	0.109"	18	36	12	87	120								
72"	0.109"	18	39	12	87	126								
78"	0.109"	18	42	12	87	132								
84"	0.109"	18	45	12	87	136								

DRAWING APPROVED - DIRECTOR OF PUBLIC WORKS

CITY OF ROCKLIN
ENGINEERING DIVISION

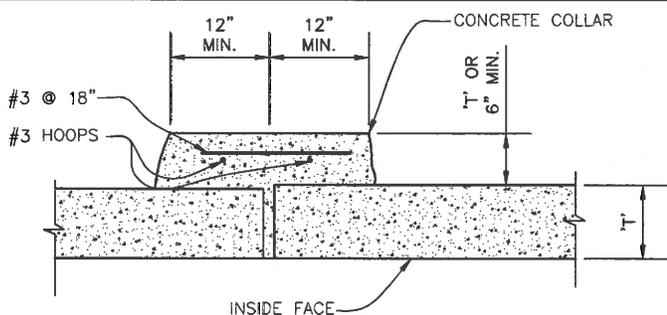
FLARED
END
SECTION

SCALE: NONE DWG # 4-20

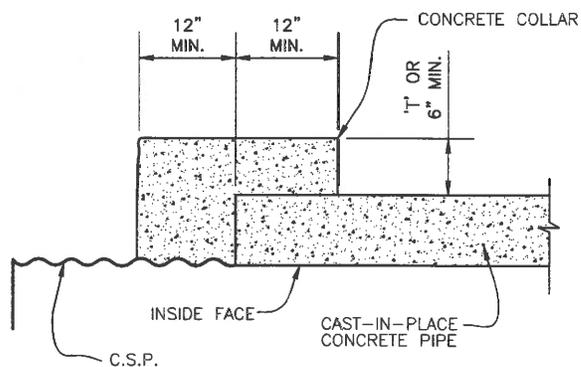
DATE: AUGUST 2015

DRAWN BY: J. PINKHAM

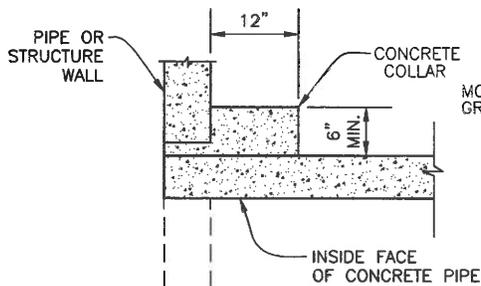
DRAWING APPROVED - CITY ENGINEER



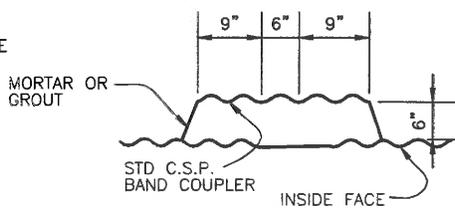
CONCRETE PIPE TO CONCRETE PIPE
WITHOUT STANDARD JOINT



CAST-IN-PLACE OR PRECAST CONCRETE
PIPE TO C.S.P.



CONCRETE PIPE OR C.S.P.
INTO EXISTING STRUCTURE



PIPES OF DISSIMILAR METALS

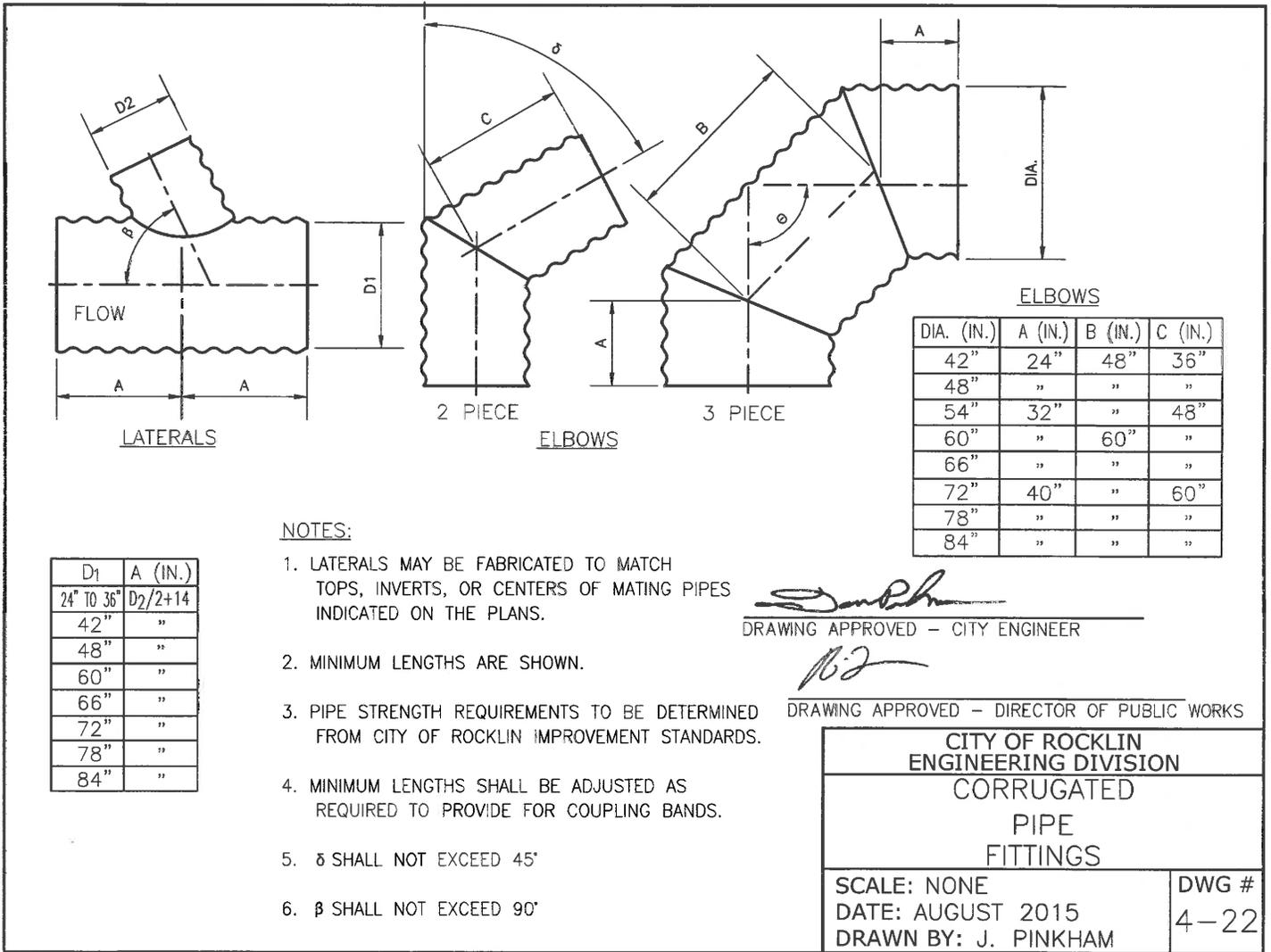
NOTE:
C.A.P. MAY BE USED OUTSIDE OF
CITY R/W. FOR COVER REQUIREMENTS,
SEE STANDARD DRAWING 5-2.

Handwritten signature

DRAWING APPROVED - DIRECTOR OF PUBLIC WORKS

Handwritten signature
DRAWING APPROVED - CITY ENGINEER

CITY OF ROCKLIN ENGINEERING DIVISION	
CONCRETE PIPE CONNECTIONS	
SCALE: NONE	DWG #
DATE: DECEMBER 2015	4-21
DRAWN BY: J. PINKHAM	



D1	A (IN.)
24" TO 36"	$D_2/2+14$
42"	"
48"	"
60"	"
66"	"
72"	"
78"	"
84"	"

NOTES:

1. LATERALS MAY BE FABRICATED TO MATCH TOPS, INVERTS, OR CENTERS OF MATING PIPES INDICATED ON THE PLANS.
2. MINIMUM LENGTHS ARE SHOWN.
3. PIPE STRENGTH REQUIREMENTS TO BE DETERMINED FROM CITY OF ROCKLIN IMPROVEMENT STANDARDS.
4. MINIMUM LENGTHS SHALL BE ADJUSTED AS REQUIRED TO PROVIDE FOR COUPLING BANDS.
5. α SHALL NOT EXCEED 45°
6. β SHALL NOT EXCEED 90°

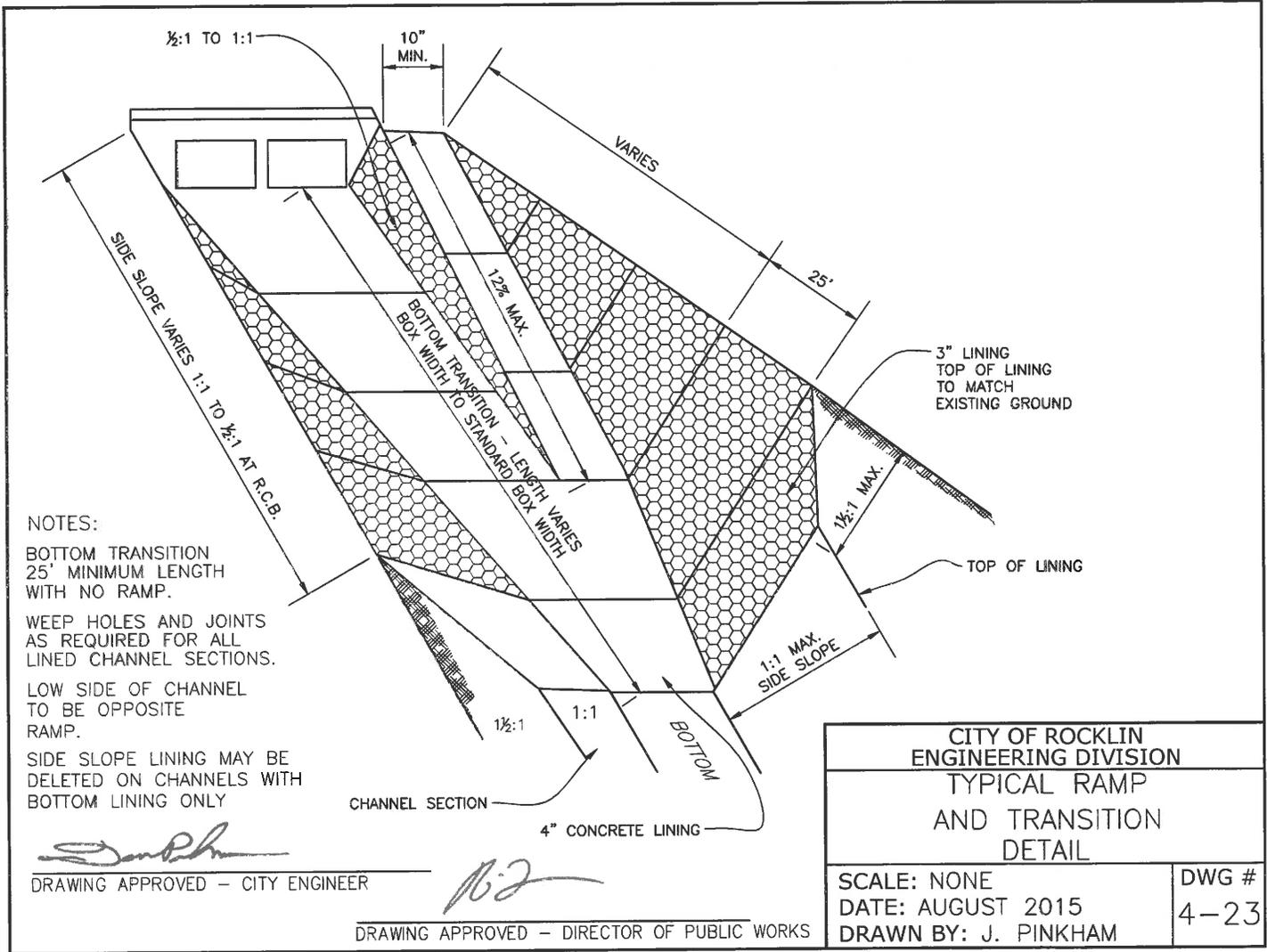
ELBOWS

DIA. (IN.)	A (IN.)	B (IN.)	C (IN.)
42"	24"	48"	36"
48"	"	"	"
54"	32"	"	48"
60"	"	60"	"
66"	"	"	"
72"	40"	"	60"
78"	"	"	"
84"	"	"	"

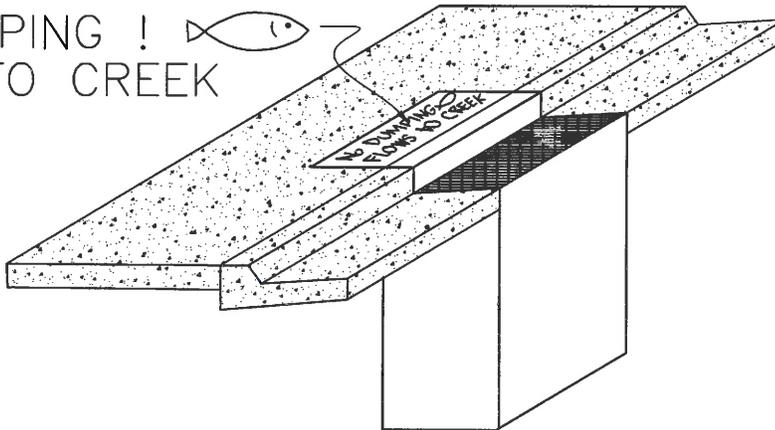
[Signature]
DRAWING APPROVED - CITY ENGINEER

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DRAWING APPROVED - DIRECTOR OF PUBLIC WORKS

CITY OF ROCKLIN ENGINEERING DIVISION	
CORRUGATED PIPE FITTINGS	
SCALE: NONE DATE: AUGUST 2015 DRAWN BY: J. PINKHAM	DWG # 4-22



NO DUMPING ! 
 FLOWS TO CREEK



1. Clean Surface
Make sure application surface is flat, dry and free of any loose debris.
2. Apply Adhesive
Coming in 1/8" from the outside edge of the marker, apply a bead of adhesive and then work in to the center.
3. Stick It!
Apply the marker to the application surface pushing down HARD forcing adhesive out around the entire edge. It is important that the entire edge of the marker is sealed to the application surface.

DRAIN INLETS WITHIN CITY RIGHT OF WAY

NOTES

1. STORM DRAIN MESSAGE SHALL BE APPROVED BY THE CITY OF ROCKLIN, ENGINEERING DIVISION.
2. STORM DRAIN MESSAGE SHALL BE APPLIED IN SUCH A WAY AS TO PROVIDE A CLEAR, LEGIBLE IMAGE STAMPED IN CONCRETE. THE DEPTH SHOULD BE APPROXIMATELY 0.25".
3. MESSAGE SHALL APPEAR ON ALL STORM DRAIN INLETS.

DRAIN INLETS FOR COMMERCIAL PROJECTS OR ONSITE

STORM DRAIN MESSAGE



DRAWING APPROVED - CITY ENGINEER

CITY OF ROCKLIN
ENGINEERING DIVISION

TYPICAL STORM
DRAIN INLET
STAMP

SCALE: NONE
DATE: AUGUST 2015
DRAWN BY: J. PINKHAM

DWG #
4-24



DRAWING APPROVED - DIRECTOR OF PUBLIC WORKS

MAXIMUM TRENCH DEPTH MEASURED SURFACE TO BOTTOM OF TRENCH IN FEET										MINIMUM COVER MEASURED SURFACE TO TOP OF PIPE IN INCHES								
DIAMETER	C-14 CONC. PIPE -CLASS-			REINFORCED CONCRETE PIPE -CLASS-					HDPE	CAST IN PLACE	TYPE	CLASS	MIN. COVER					
	1	2	3	I	II	III	IV	V	STREET				OFF ST.					
10	12	17	29	NOT PERMITTED	8	12	30	NO LIMIT	PER CALTRANS STANDARD, SECTION 64, LATEST EDITION	NO LIMIT	C-14	1	30	12				
12	12	17	21								11	15	35	2	27	12		
15	12	17	20								12	16	38	3	24	12		
18	11	17	19								12	17	39	NO LIMIT	REINFORCED CONCRETE	I	27	12
21	11	17	19								12	18	39			II	24	12
24	11	16	19								12	19	38			III	18	12
27	11	16	18								13	19	39			IV	12	12
30	11	15	17								14	19	38			V	12	12
33	11	15	16								NOT PERMITTED	14	20	38	HDPE	PER CALTRANS STANDARD, SECTION 64, LATEST EDITION		
36	10	13	14									13	17	27	69	CAST-IN PLACE CONC. PIPE	----	12
42	NOT PERMITTED			14	18	29	62											
48				15	19	30	60											
54				16	20	31	58											
60				16	21	31	57											
66				17	22	32	56											
72				15	18	23	33	56										
										45								
										35								
										30								


DRAWING APPROVED - CITY ENGINEER

**CITY OF ROCKLIN
ENGINEERING DIVISION**

CONC. PIPE, REINF. CONC. PIPE,
HDPE AND CAST-IN-PLACE
CONC. PIPE COVER REQ.

SCALE: NONE	DWG # 5-1
DATE: DECEMBER 2015	
DRAWN BY: J. PINKHAM	

- NOTES:**
1. ALL DEPTHS SHOWN ARE FLEXIBLE PAVEMENT AND TRENCH WIDTH EQUAL TO O.D. OF PIPE PLUS 16" FOR PIPE 33" AND SMALLER IN INSIDE DIAMETER. TRENCH WIDTH EQUALS O.D. OF PIPE PLUS 24" FOR PIPE 36" AND LARGER IN INSIDE DIAMETER. TRENCH WIDTH MEASURED AT TOP OF PIPE.
 2. ALL PIPE SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS OR PER THIS TABLE, WHICHEVER IS MORE STRINGENT.


DRAWING APPROVED - DIRECTOR OF PUBLIC WORKS

MAXIMUM TRENCH DEPTH MEASURED SURFACE TO BOTTOM OF TRENCH IN FEET											MINIMUM COVER MEASURED SURFACE TO TOP OF PIPE IN INCHES		
DIA. IN INCHES THICKNESS IN INCHES	CORRUGATED STEEL PIPE (C.S.P.)**					CORRUGATED ALUMINUM PIPE (C.A.P.)*					(C.S.P.)		(C.A.P.)*
	0.064	0.079	0.109	0.138	0.168	0.060	0.075	0.105	0.135	0.165	42' TO 60' R/W STREETS	MAJOR STREETS	OFF STREET ONLY
	10						40					6	9
12	100					35	40	50					
15	100					32	35	40					
18	100					26	30	35					
21	91	100				21	25	30					
24	80	100				13	21	30					
27	64	80				13	20	27					
30	64	80	100			12	19	25	30				
33	53	66	93				16	20	27				9
36	53	66	93	100			15	18	25	30			10
42	46	57	80	100			13	15	20	29			10
48	40	48	50	70	86	90	100					9	12
54	43	44	62	62	75	80	98				6	10	15
60	39	49	56	69	72	88					8	12	18
66	35	44	51	62	64	78					8	14	20
72	32	41	56	55	68						8	16	24

NOTES:

- 1.)**--NORMAL PIPE CORRUGATION PROFILE IS 2 2/3" x 1". THE CORRUGATION OF THE PIPES WITHIN THE SHADED AREA SHALL HAVE PROFILE OF 3" x 1".
- 2.)*-ALUMINUM PIPE IS NOT PERMITTED IN PUBLIC STREET RIGHT OF WAY.
- 3.) WHEN FLOW VELOCITY EXCEEDS FIVE (5) F.P.S. THICKER METAL SHALL BE PROVIDED.
- 4.) ALL PIPE SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS OR PER THIS TABLE, WHICHEVER IS MORE STRINGENT.

CITY OF ROCKLIN ENGINEERING DIVISION	
CORRUGATED STEEL AND ALUMINUM PIPE COVER REQUIREMENTS	
SCALE: NONE	DWG #
DATE: DECEMBER 2015	5-2
DRAWN BY: J. PINKHAM	



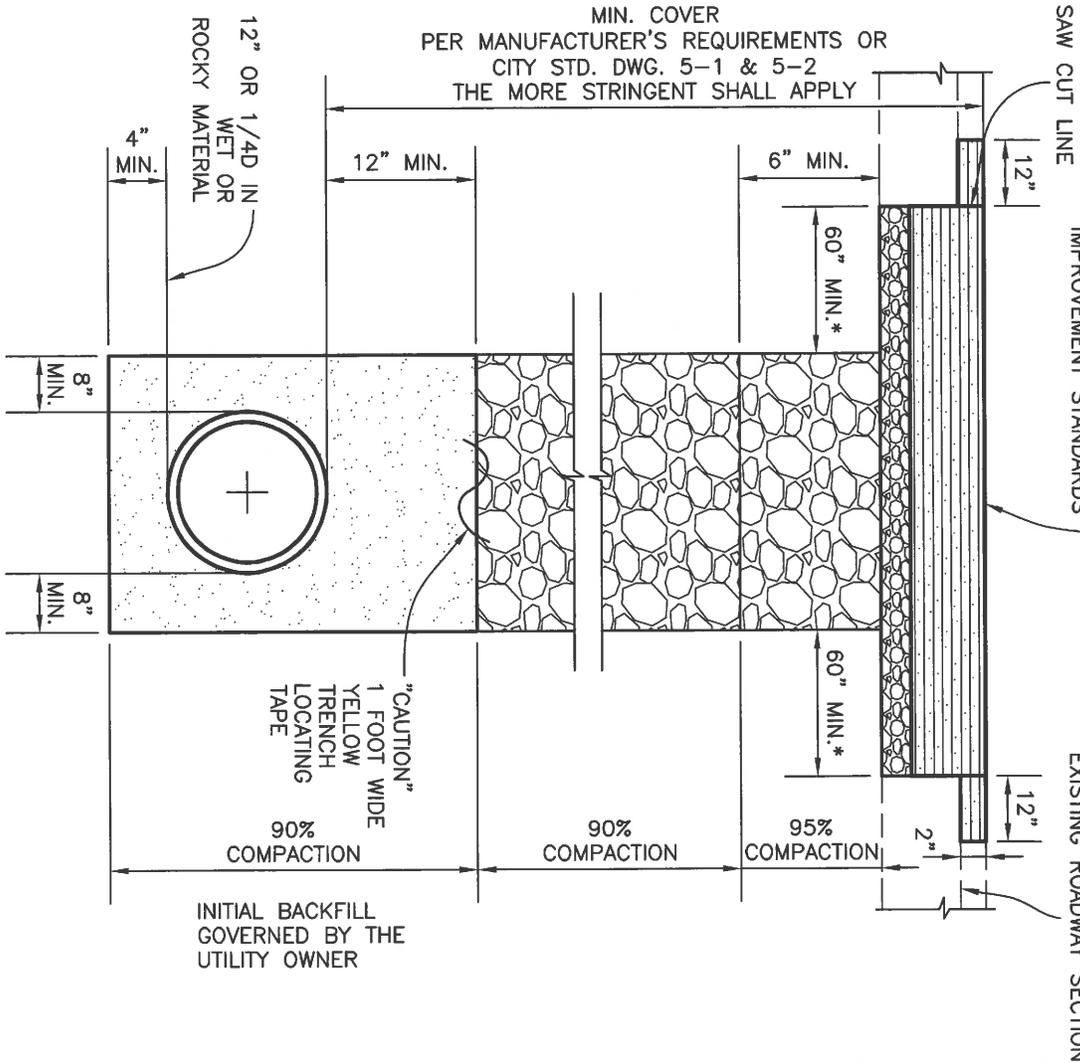
DRAWING APPROVED - CITY ENGINEER



DRAWING APPROVED - DIRECTOR OF PUBLIC WORKS

TRENCH EXCAVATION

REPLACE WITH 12"AC, OR 8"AC OVER 4"AB ON MINOR AND PRIMARY ARTERIAL, OR 4"AC OVER 8"AB ON COLLECTOR AND RESIDENTIAL PER SECTION 4 "STREET SECTIONS" OF THE IMPROVEMENT STANDARDS



* WHERE WIDTH CONSTRAINTS APPLY, THE CITY ENGINEER OR DESIGNER MAY APPROVE A DEVIATION

TRENCH BACKFILL

TRENCH INTERMEDIATE BACKFILL PER CONSTRUCTION SPECIFICATIONS

FOR TRENCH BEDDING AND INITIAL BACKFILL FOR DRAINAGE SEE SECTION SS-11 OF THE SPECIFICATIONS. INITIAL BACKFILL FOR ALL OTHER UTILITIES TO BE PER RESPECTIVE UTILITY SPECS

STREET REPAIR/REPAVING

A) STREET AGE ** 0-5 YRS:
THE CONTRACTOR SHALL GRIND AND PLACE BACK TWO (2) INCHES OF THE WEARING COURSE OVER THE ENTIRE WIDTH OF THE STREET. IF THE TRENCH IS CLOSE TO THE GUTTER, THE CITY ENGINEER OR DESIGNER MAY ALLOW A VARIANCE.

B) STREET AGE 6-10 YRS:
THE CONTRACTOR SHALL PLACE A TYPE II MICRO OVER THE FULL WIDTH OF THE STREET.

C) STREET AGE 11 YRS AND OLDER:
RESTORE THE TRENCH PER THIS STANDARD DRAWING. IF THE TRENCH FALLS IN THE MIDDLE OF THE INSIDE LANE, THE LIMITS SHOULD EXTEND TO THE LANE LINE.

** STREET AGE SHALL BE BASED ON WHEN THE STREET WAS FIRST CONSTRUCTED, RE-CONSTRUCTED, OR LAST RECEIVED AN ASPHALT OVERLAY

FOR REPAIR AND REPAVING REQUIREMENTS SEE SECTIONS SS9-04 AND SS30-04

DRAWING APPROVED - CITY ENGINEER

DRAWING APPROVED - DIRECTOR OF PUBLIC SERVICES

CITY OF ROCKKILN
ENGINEERING DIVISION

TRENCH
EXCAVATION &
BACKFILL

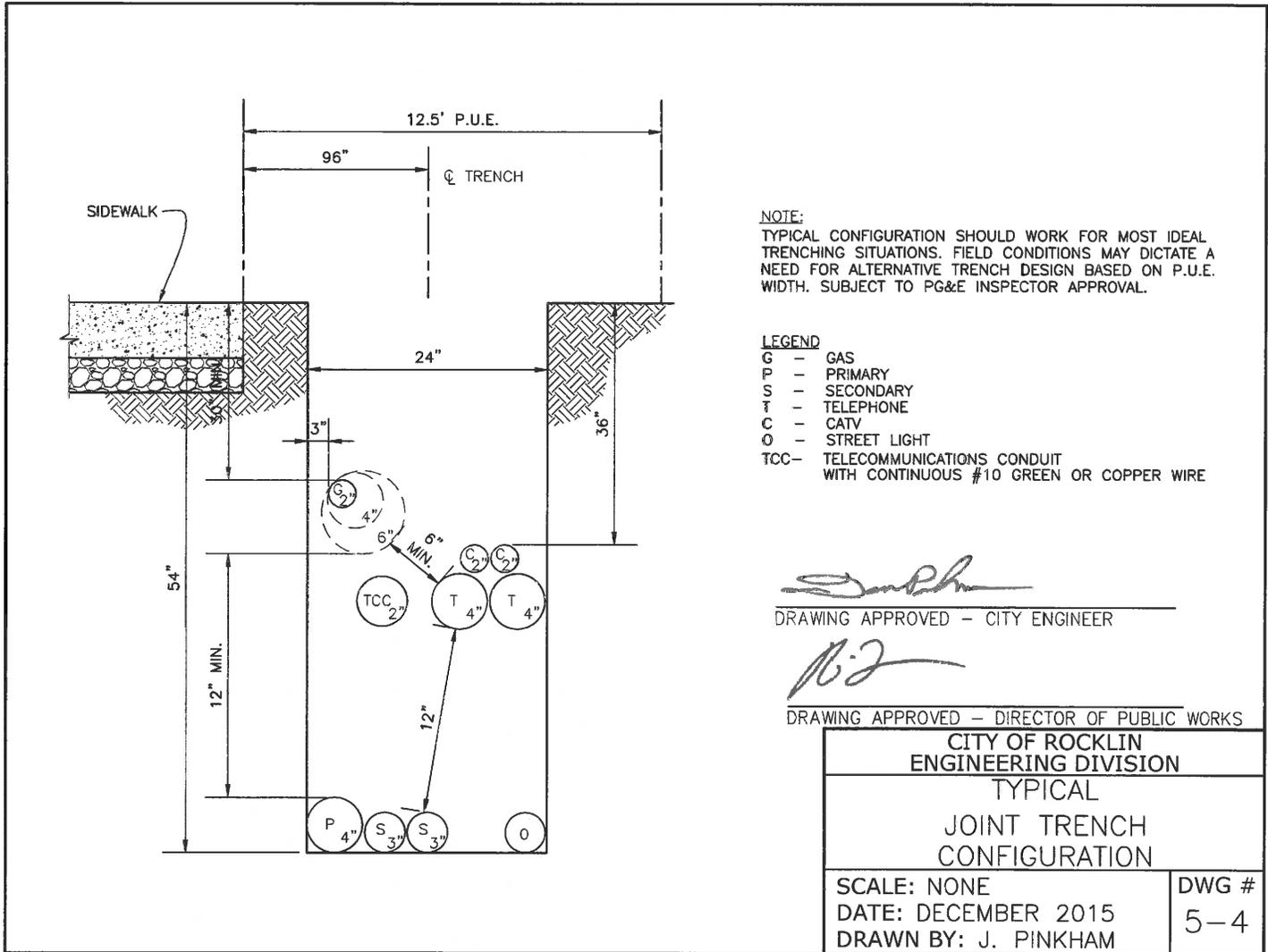
SCALE: NONE

DATE: MAY 2016

DRAWN BY: J. PINKHAM

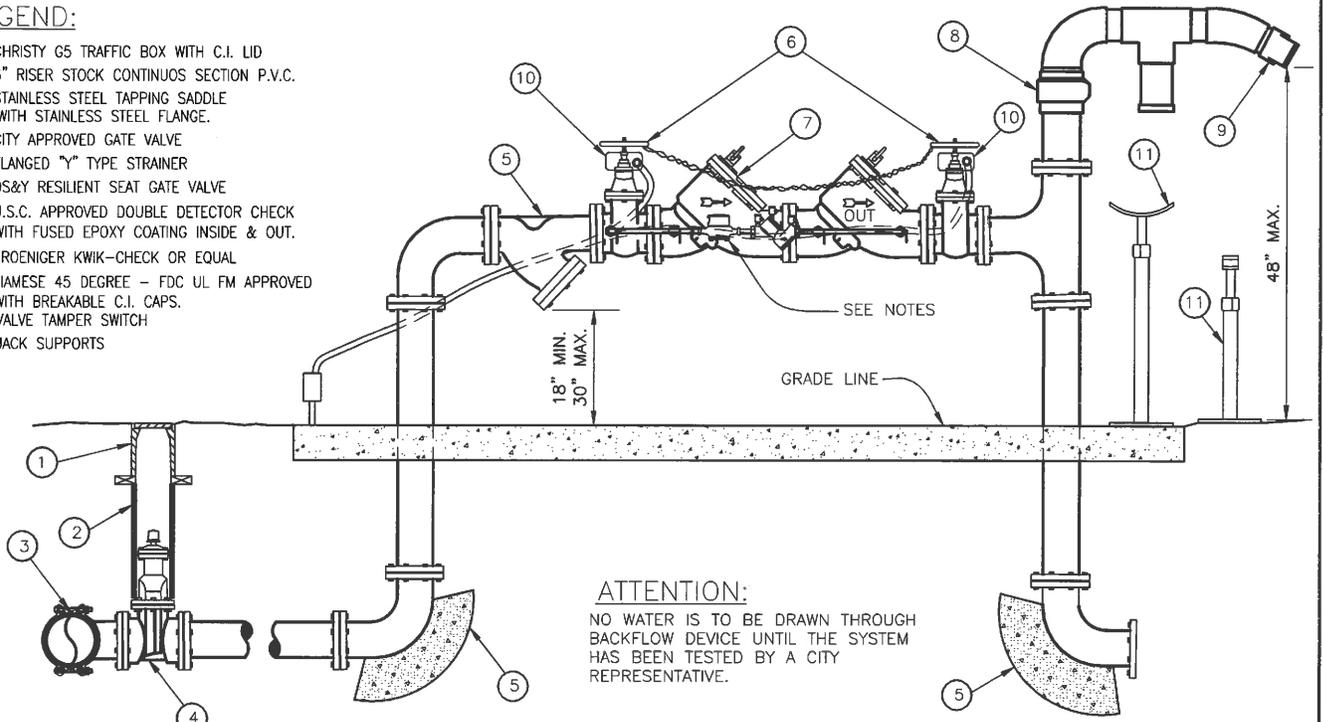
DWG #

5-3



LEGEND:

- ① CHRISTY G5 TRAFFIC BOX WITH C.I. LID
- ② 6" RISER STOCK CONTINUOUS SECTION P.V.C.
- ③ STAINLESS STEEL TAPPING SADDLE WITH STAINLESS STEEL FLANGE.
- ④ CITY APPROVED GATE VALVE
- ⑤ FLANGED "Y" TYPE STRAINER
- ⑥ OS&Y RESILIENT SEAT GATE VALVE
- ⑦ U.S.C. APPROVED DOUBLE DETECTOR CHECK WITH FUSED EPOXY COATING INSIDE & OUT.
- ⑧ GROENICER KWIK-CHECK OR EQUAL
- ⑨ SIAMESE 45 DEGREE - FDC UL FM APPROVED WITH BREAKABLE C.I. CAPS.
- ⑩ VALVE TAMPER SWITCH
- ⑪ JACK SUPPORTS



ATTENTION:
 NO WATER IS TO BE DRAWN THROUGH BACKFLOW DEVICE UNTIL THE SYSTEM HAS BEEN TESTED BY A CITY REPRESENTATIVE.

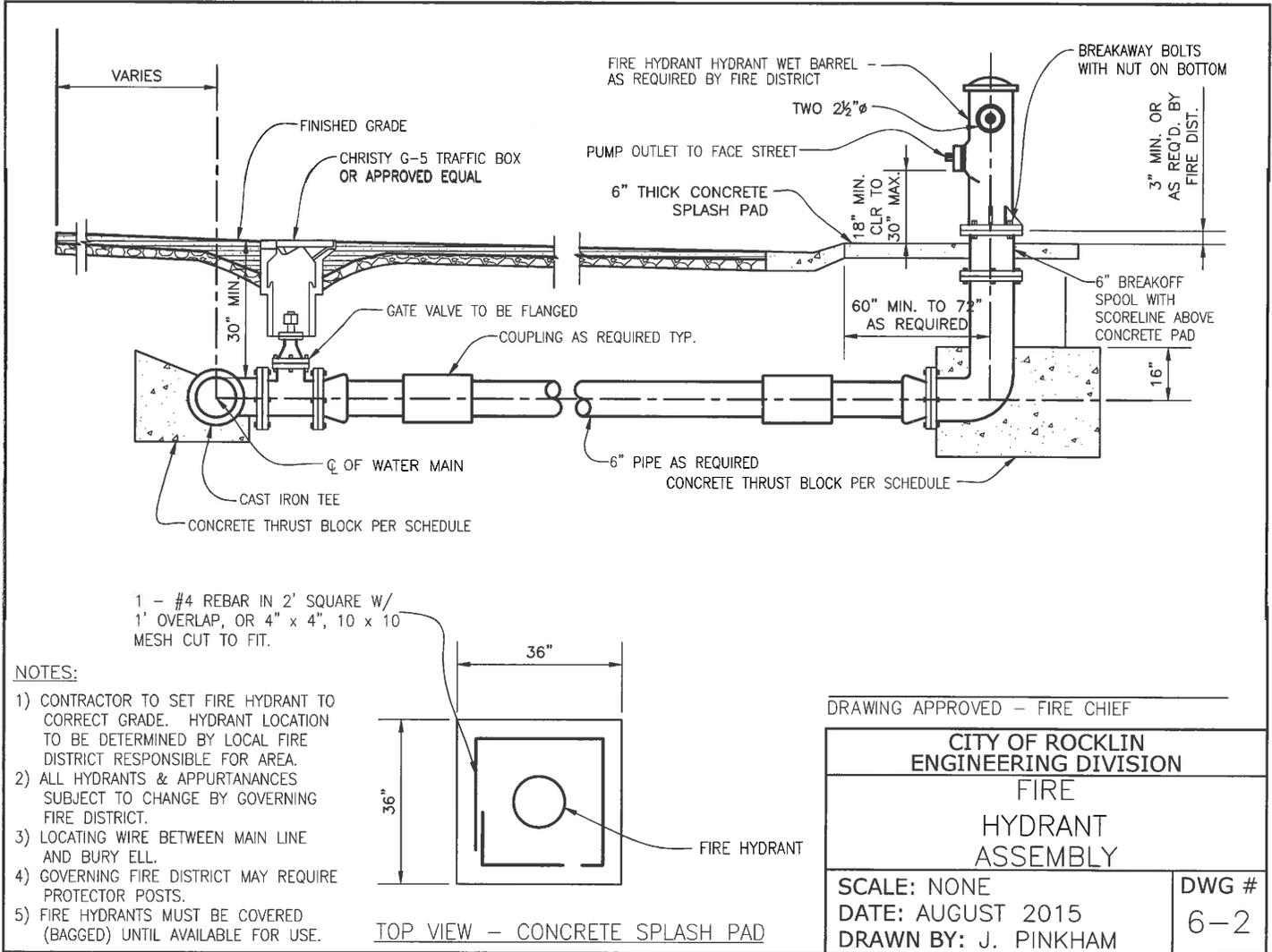
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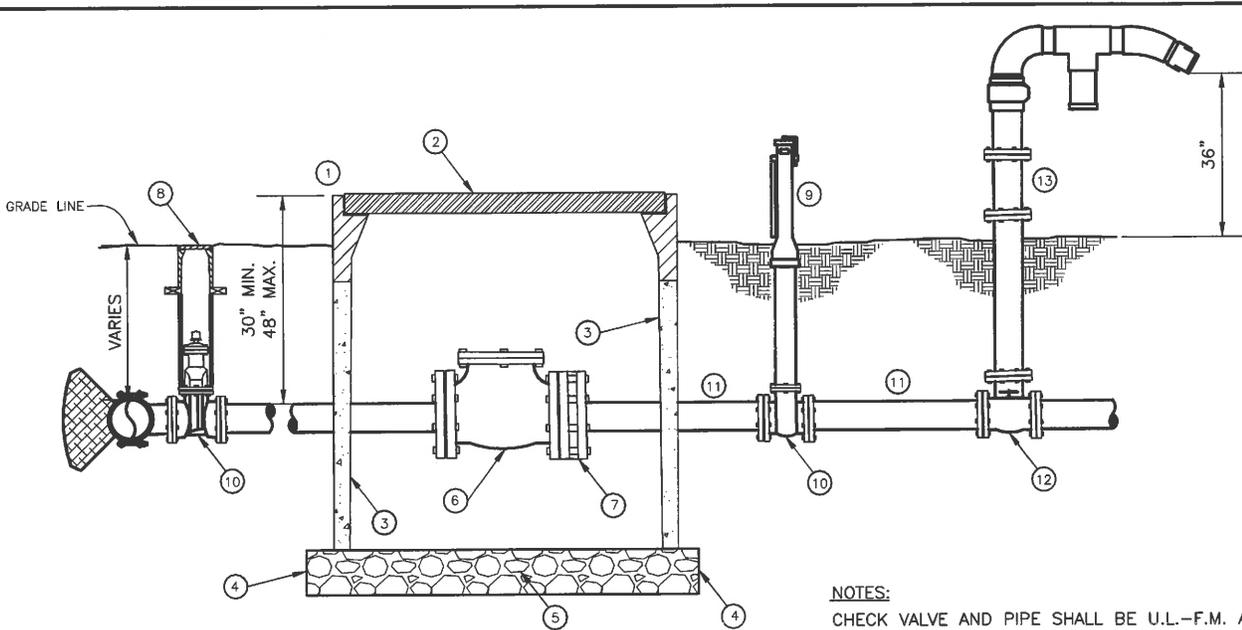
- 1. ALL FITTINGS TO BE FL BY FL AND OR UNI-FLANGE.
- 2. ALL GATE VALVES TO RESILIENT SEAT.
- 3. 2" BY 6" REDWOOD BLOCKING UNDER BOXES.
- 4. 3/8" NON CASE HARDENED CHAIN WITH LOCK BETWEEN VALVES.
- 5. INSTALL THRUST BLOCKS PER PCWA SPECIFICATIONS.
- 6. BACKFLOW DEVICE ASSEMBLIES INSTALLED UNDERGROUND SHALL BE PLACED IN A VAULT W/ A MINIMUM OF 12" CLEARANCE ON ALL SIDES.

- 7. ABOVE GROUND BACKFLOW DEVICE ASSEMBLIES SHALL BE PROVIDED WITH A MEANS FOR FREEZE PROTECTION IF DIRECTED BY THE CITY ENGINEER (ENCLOSURE AND INSULATION WRAP).
- 8. BELOW GROUND INSTALLATION OF BACKFLOW DEVICE REQUIRES SPECIFIC APPROVAL FROM THE CITY ENGINEER.
- 9. HARDENED CHAIN AND LOCK SHALL BE ATTACHED BETWEEN VALVES.

DRAWING APPROVED - FIRE CHIEF

CITY OF ROCKLIN ENGINEERING DIVISION	
FIRE PROTECTION ASSEMBLY	
SCALE: NONE	DWG #
DATE: DECEMBER 2015	6-1
DRAWN BY: J. PINKHAM	



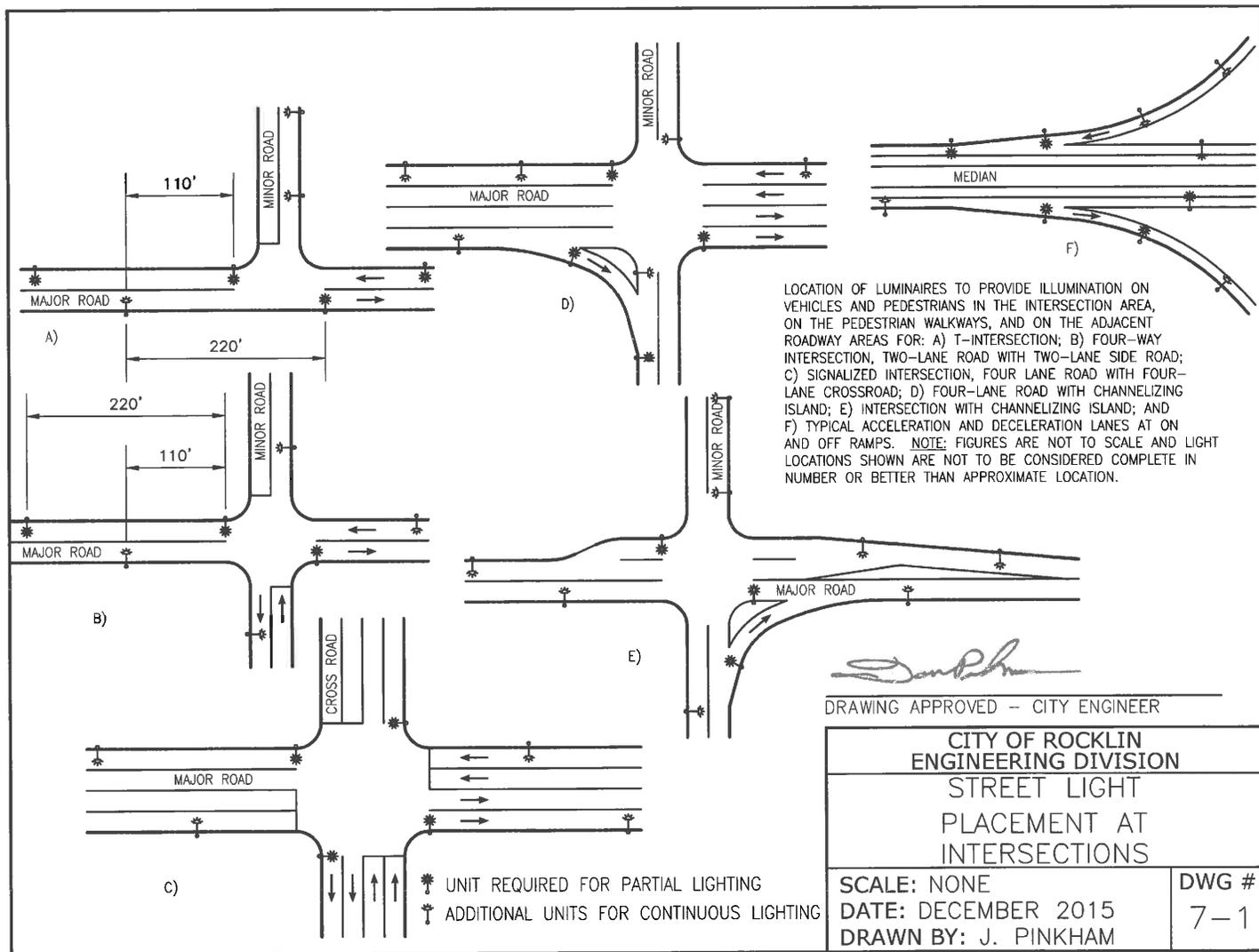


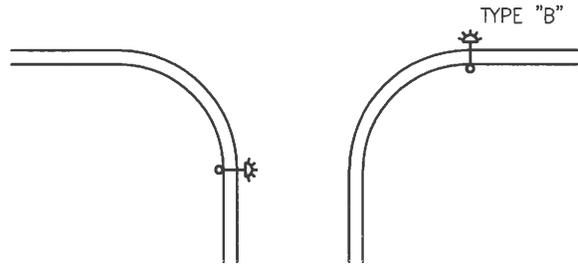
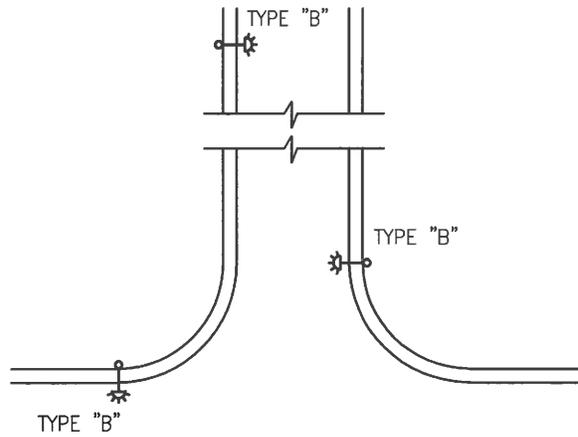
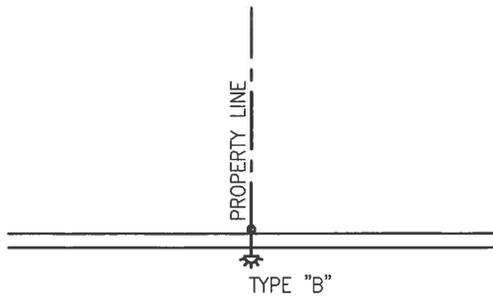
1. REINFORCED CONCRETE UTILITY BOX (CHRISTY B48)
2. 2 PIECE STEEL CHECKER PLATE W/ TWO 10" ROUND SELF-CLOSING READING LIDS AND 1-3/4" HOLE FOR TOUCH READ MODULE IN ONE READING LID. (CHRISTY B48-52G COVER)
3. REINFORCED CONCRETE UTILITY BOX EXTENSIONS.
4. CONCRETE BLOCKS SHALL BE PLACED ALONG THE ENTIRE PERIMETER TO SUPPORT BOX.
5. 3/4" CRUSHED ROCK SUB-BASE, 12" TO 18" DEEP.
6. DETECTOR CHECK VALVE-TYPE AND MODEL TO BE APPROVED BY THE FIRE DEPARTMENT AND PLACER COUNTY WATER AGENCY.
7. FLANGED COUPLING ADAPTOR.
8. VALVE BOX AND LID.
9. FLANGED POST INDICATOR VALVE WITH BREAKAWAY LOCK.
10. GATE VALVE, WITH BOTH ENDS FLANGED.
11. DUCTILE IRON SPOOL.
12. FLANGED TEE.
13. WAFER CHECK.

NOTES:
 CHECK VALVE AND PIPE SHALL BE U.L.-F.M. APPROVED.
 INSTALLATION MAY VARY WITH FIELD CONDITIONS AND FIRE DEPARTMENT REQUIREMENTS.
 INSTALL LOCATING WIRE.
 ALL JOINTS BETWEEN MAIN AND DETECTOR CHECK SHALL BE FLANGED.

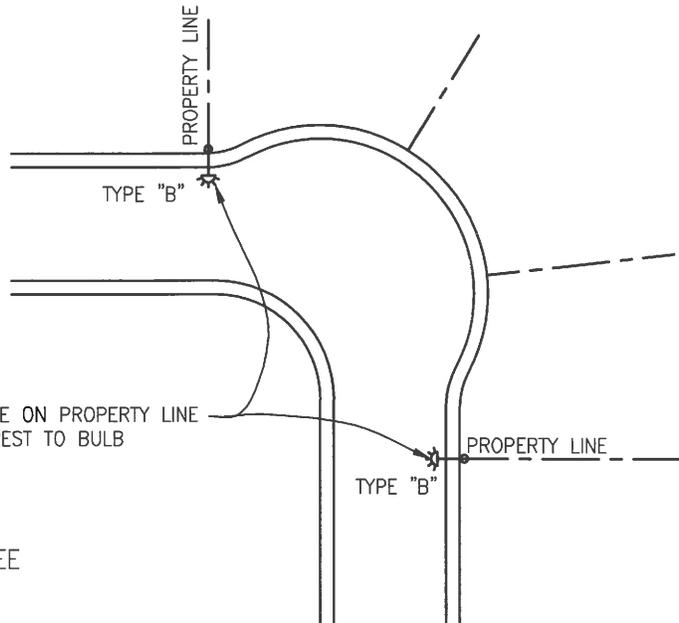
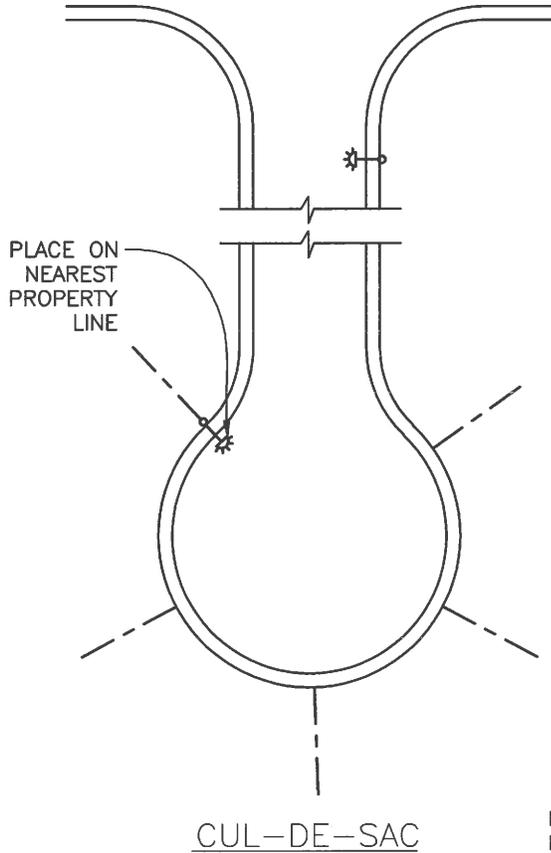
 DRAWING APPROVED - FIRE CHIEF

CITY OF ROCKLIN ENGINEERING DIVISION	
FIRE POST INDICATOR VALVE ASSEMBLY	
SCALE: NONE DATE: DECEMBER 2015 DRAWN BY: J. PINKHAM	DWG # 6-3





RESIDENTIAL

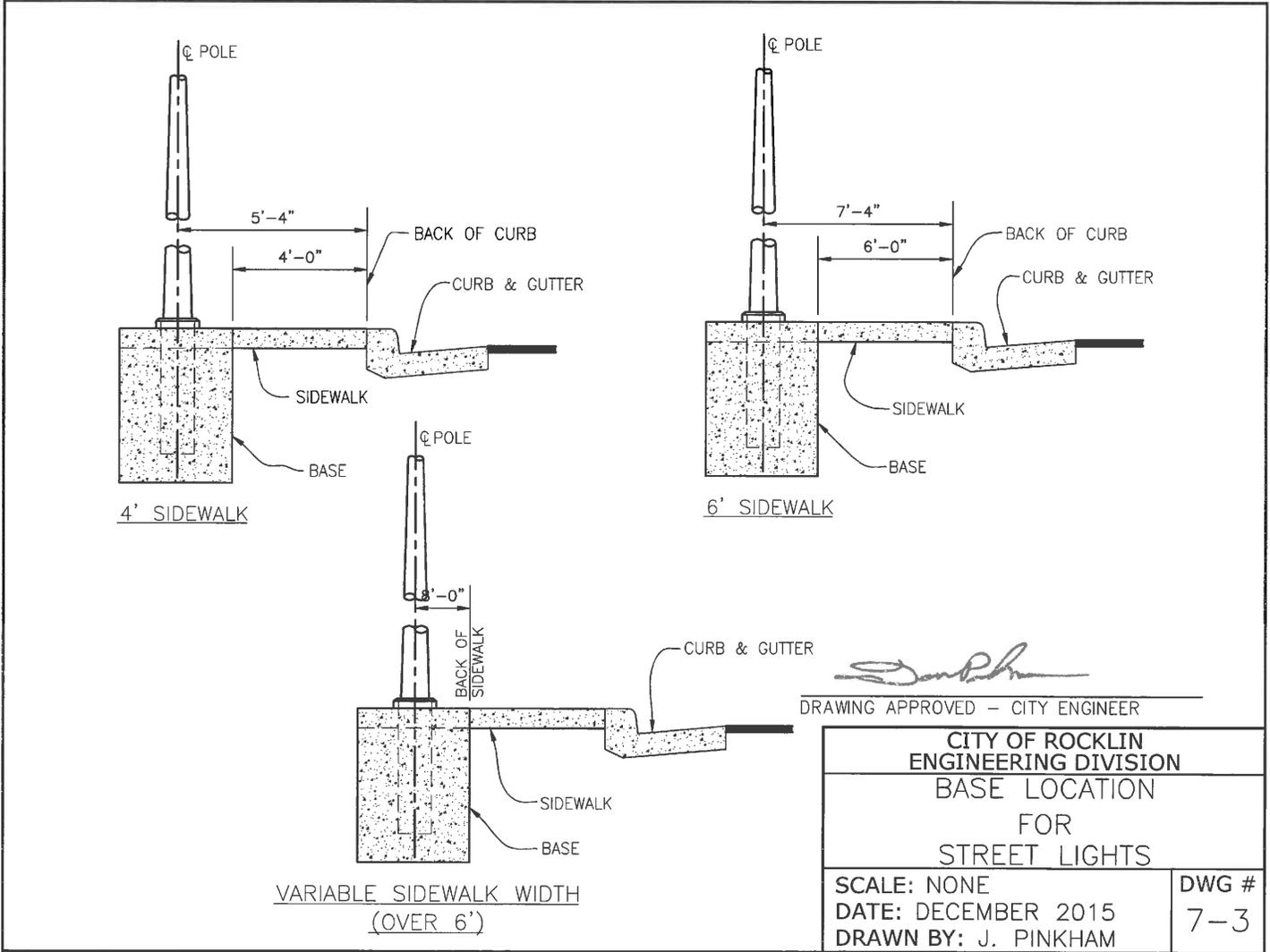


RESIDENTIAL

NOTE:
FOR STREET LIGHT SPACING REQUIREMENTS, SEE
STANDARD DRAWING 7-1 AND 7-17.

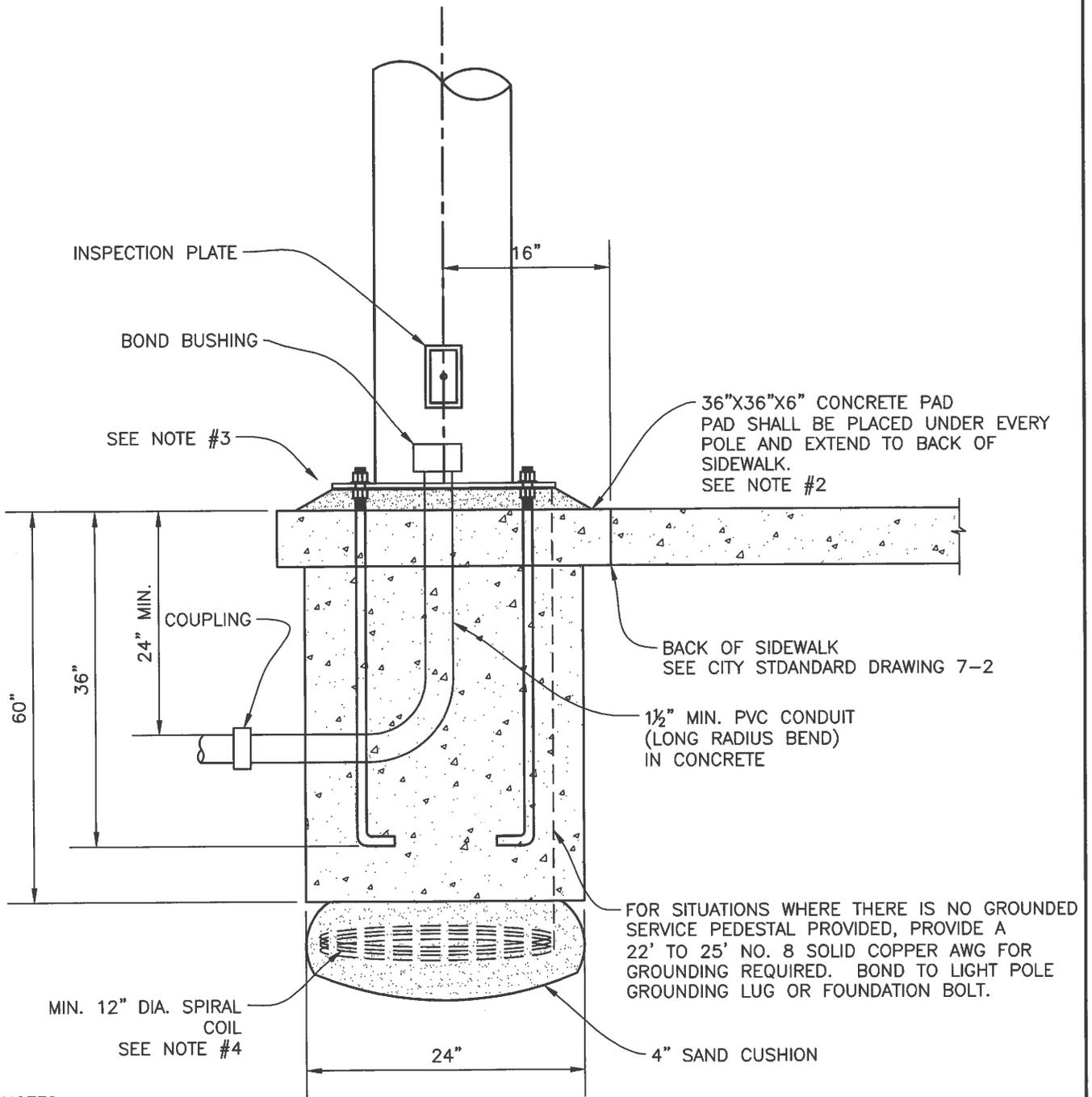
DRAWING APPROVED - CITY ENGINEER

CITY OF ROCKLIN ENGINEERING DIVISION	
STREET LIGHT LOCATIONS ON RESIDENTIAL STREETS	
SCALE: NONE	DWG #
DATE: DECEMBER 2015	7-2
DRAWN BY: J. PINKHAM	




 DRAWING APPROVED - CITY ENGINEER

CITY OF ROCKLIN ENGINEERING DIVISION BASE LOCATION FOR STREET LIGHTS	
SCALE: NONE DATE: DECEMBER 2015 DRAWN BY: J. PINKHAM	DWG # 7-3

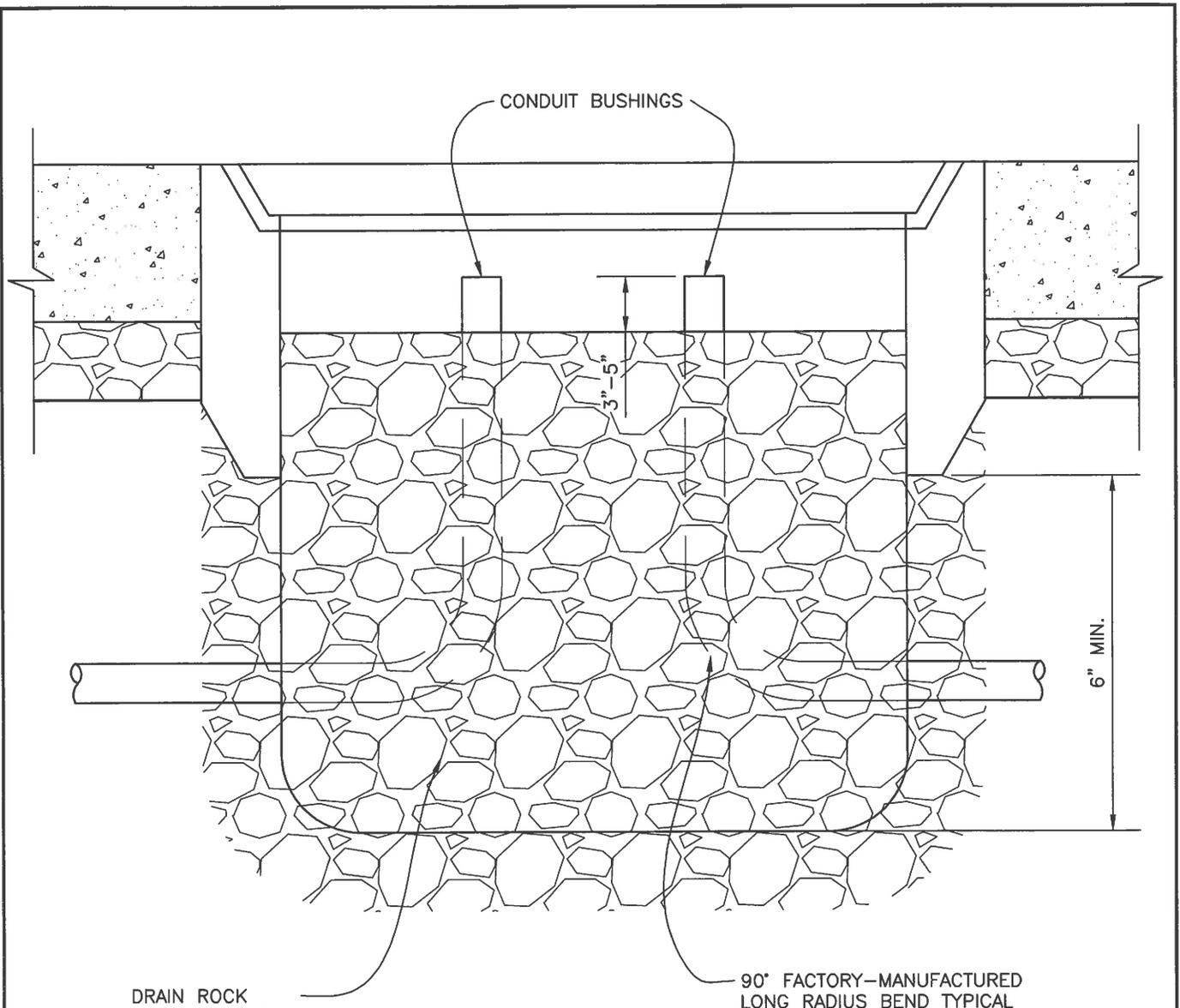


NOTES:

1. DESIGN SHALL CONFORMS TO THESE REQUIREMENTS EXCEPT AS OTHERWISE APPROVED BY THE CITY ENGINEER BY VARIANCE.
2. FOR AREAS WITHOUT SIDEWALK ADJACENT TO TRAVELED WAY, CONSTRUCT A 36"X36" CONCRETE PAD 6" THICK.
3. LEVELING OF BASE SHALL CONFORM TO THE REQUIREMENTS OF CITY STANDARD DRAWING 7-17.
4. 12" DIAMETER SPIRAL COIL REQUIRED ON DIRECT SERVICE CONNECTION ONLY. SEE CITY STANDARD DRAWING 7-18.

CITY OF ROCKLIN ENGINEERING DIVISION	
CONCRETE BASE DETAIL FOR TYPE "A" AND "B" STREET LIGHTS	
SCALE: NONE	DWG #
DATE: DECEMBER 2015	7-4
DRAWN BY: J. PINKHAM	


 DRAWING APPROVED - CITY ENGINEER



NO. 3 1/2 & 5 PULL BOX

DRAIN ROCK SHALL EXTEND 6" BELOW AND 6" TO ALL SIDES OF ALL BOXES

90° FACTORY-MANUFACTURED LONG RADIUS BEND TYPICAL

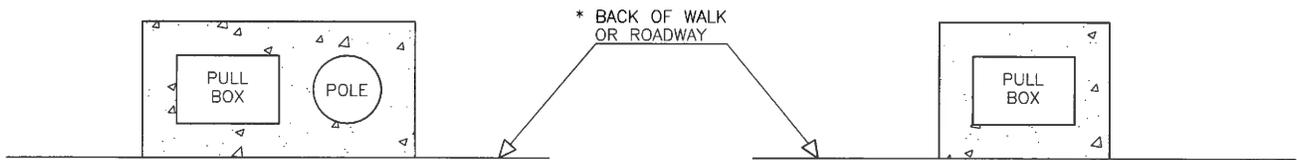
NOTES:

1. DESIGN SHALL CONFORM TO THESE REQUIREMENTS EXCEPT OTHERWISE APPROVED BY THE CITY ENGINEER BY VARIANCE.
2. PULLBOX COVERS SHALL BE BOLTED AND INSCRIBED "STREET LIGHTING".
3. ALL PULLBOXES SHALL BE ENCOMPASSED BY 6" CURB MINIMUM.
4. SEE CITY STANDARD DRAWING 7-6 FOR CURB DETAIL.

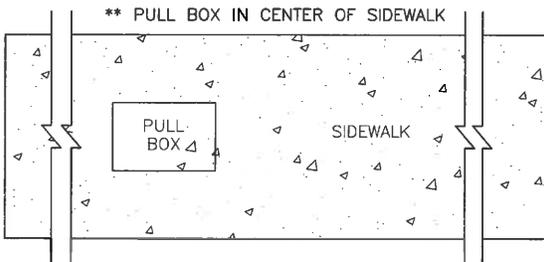
5. CONDUIT BUSHINGS TO BE INSTALLED ON ALL CONDUIT ENDS
6. ALL CONDUIT ENDS TO BE SEALED WITH DUCT SEAL

DRAWING APPROVED - CITY ENGINEER

CITY OF ROCKLIN ENGINEERING DIVISION	
NO. 3 1/2 AND NO. 5 PULL BOX INSTALLATION	
SCALE: NONE	DWG #
DATE: DECEMBER 2015	7-5
DRAWN BY: J. PINKHAM	



** CONCRETE COLLAR/CAP TO SURROUND PULL BOX & POLE 6" MINIMUM WITH 6" CONCRETE DEPTH. (THICKNESS)

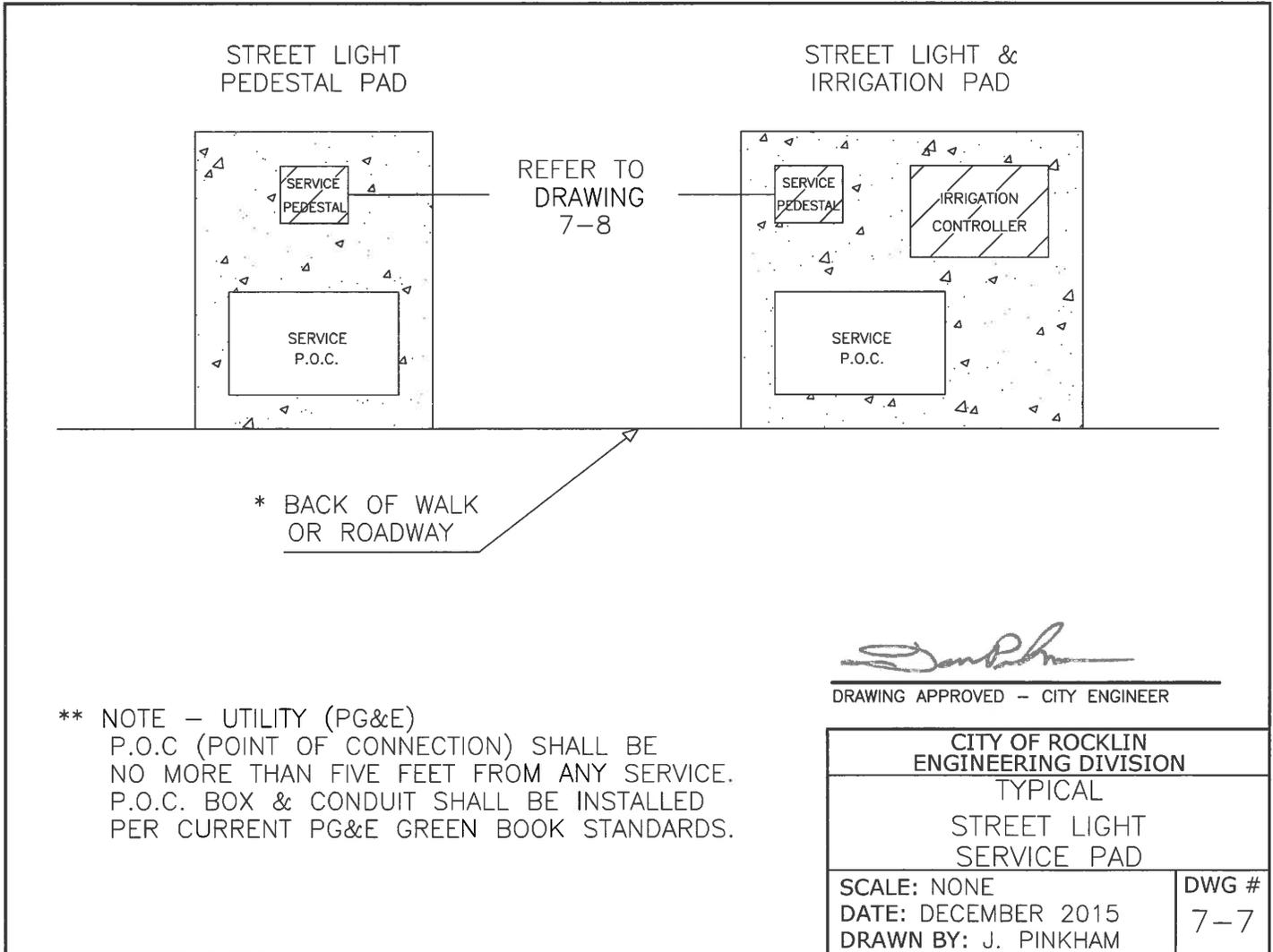


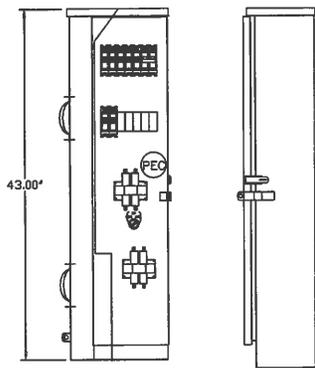
NOTES:

1. SEE CITY STANDARD DRAWING 7-5 FOR PULL BOX INSTALLATION SPECIFICATIONS.
2. SEE CITY STANDARD DRAWING 7-4 FOR CONCRETE BASE DETAIL.
3. PULL BOX AT EACH STREET LIGHT AND LATERAL STREET CROSSING.

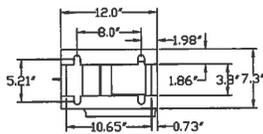
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 DRAWING APPROVED - CITY ENGINEER

CITY OF ROCKLIN ENGINEERING DIVISION	
STREET LIGHT AND SIGNAL PULL BOX LOCATIONS	
SCALE: NONE DATE: DECEMBER 2015 DRAWN BY: J. PINKHAM	DWG # 7-6



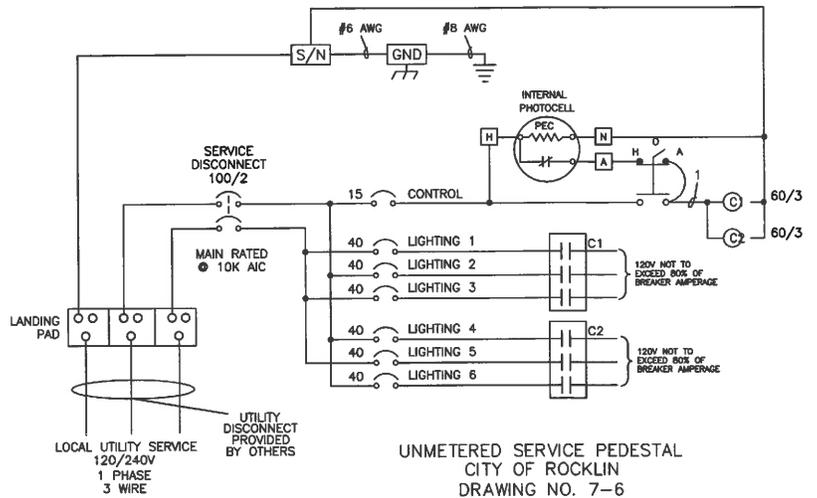


FRONT VIEW RIGHT SIDE



BASE PLAN

TESSCO			
INDUSTRIAL CONTROL PANEL			
VOLTS	PHASE	WIRING	AMPERS
120/240	1	3	100 60
SUITABLE FOR USE ON A CIRCUIT CAPABLE OF DELIVERING 100% FOR 100%			
AMPERS	AT	VOLTS	
2,500	800 STYL	240	V
NEMA SYMBOL: IEC: IEC A CONT. ENCLOSURE: IEC: IEC			
SUITABLE ONLY FOR USE AS SERVICE EQUIPMENT			



UNMETERED SERVICE PEDESTAL
CITY OF ROCKLIN
DRAWING NO. 7-6

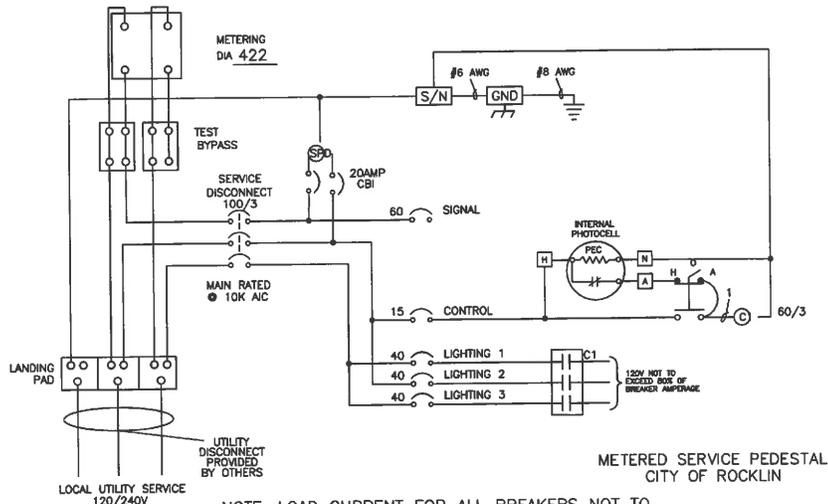
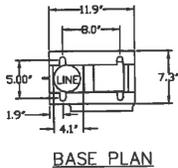
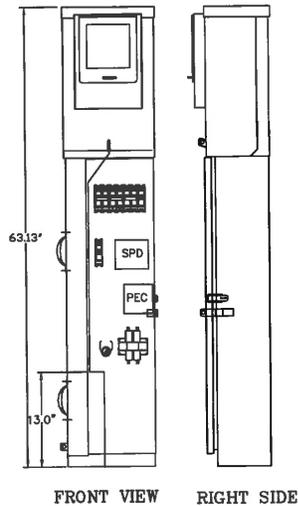
NOTE: LOAD CURRENT FOR ALL BREAKERS NOT TO EXCEED 80% OF BREAKER AMPERAGE

ENCLOSURE CONSTRUCTION NOTES

1. EXTERIOR, 1/8" ALUMINUM, AND INTERIOR 14 GA COLD ROLLED STEEL ELECTRICALLY WELDED AND REINFORCED WHERE REQUIRED.
2. CONSTRUCTION WILL BE NEMA 3R, RAINTIGHT.
3. ALL NUTS, BOLTS AND SCREWS WILL BE STAINLESS STEEL.
4. NUTS, BOLTS & SCREWS WILL NOT BE VISIBLE FROM OUTSIDE OF ENCLOSURE.
5. NAMEPLATES WILL BE PROVIDED AS REQUIRED.
6. CONTROL WIRING WILL BE MARKED AT BOTH ENDS BY PERMANENT WIRE MARKERS.
7. A PLASTIC COVERED WIRING DIAGRAM WILL BE ATTACHED TO THE INSIDE OF THE FRONT DOOR.
8. ENCLOSURE WILL BE FACTORY WIRED AND CONFORM TO REQUIRED NEMA AND UL 508A STANDARDS.
9. ANODIZE AFTER FABRICATION

CITY OF ROCKLIN ENGINEERING DIVISION	
UNMETERED SERVICE PEDESTAL	
SCALE: NONE	DWG #
DATE: DECEMBER 2015	7-8
DRAWN BY: J. PINKHAM	

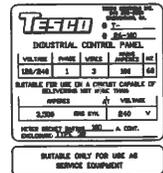
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DRAWING APPROVED - CITY ENGINEER



NOTE: LOAD CURRENT FOR ALL BREAKERS NOT TO EXCEED 80% OF BREAKER AMPERAGE

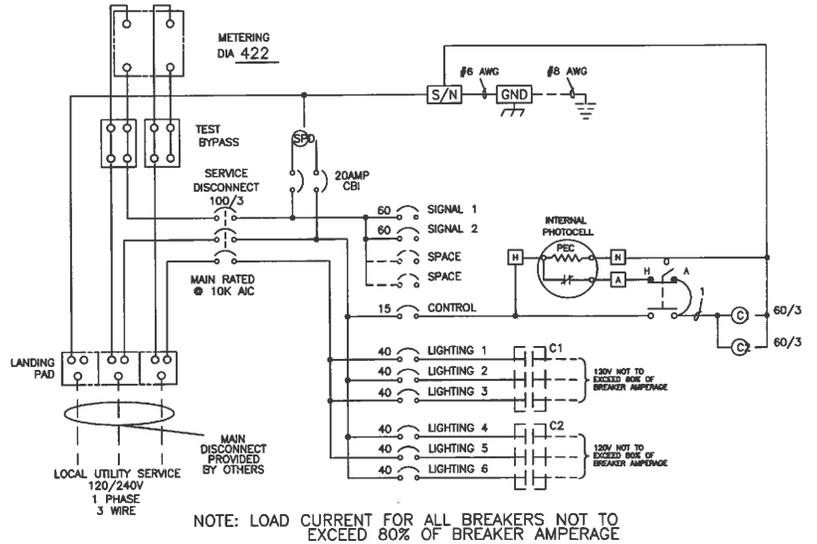
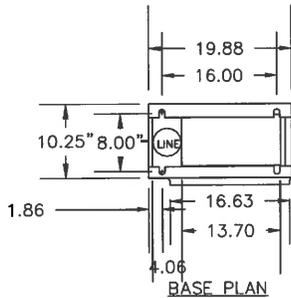
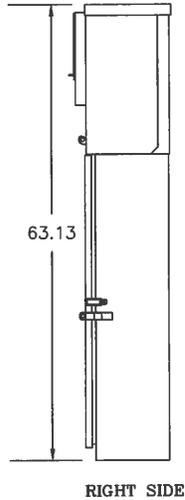
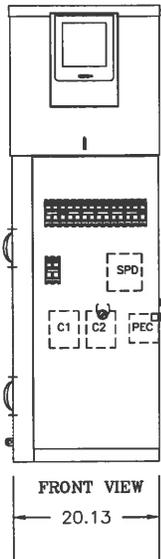
ENCLOSURE CONSTRUCTION NOTES

1. EXTERIOR, 1/8" ALUMINUM, AND INTERIOR 14 GA COLD ROLLED STEEL ELECTRICALLY WELDED AND REINFORCED WHERE REQUIRED.
2. CONSTRUCTION WILL BE NEMA 3R, RAIN TIGHT.
3. ALL NUTS, BOLTS AND SCREWS WILL BE STAINLESS STEEL.
4. NUTS, BOLTS & SCREWS WILL NOT BE VISIBLE FROM OUTSIDE OF ENCLOSURE.
5. NAMEPLATES WILL BE PROVIDED AS REQUIRED.
6. CONTROL WIRING WILL BE MARKED AT BOTH ENDS BY PERMANENT WIRE MARKERS.
7. A PLASTIC COVERED WIRING DIAGRAM WILL BE ATTACHED TO THE INSIDE OF THE FRONT DOOR.
8. ENCLOSURE WILL BE FACTORY WIRED AND CONFORM TO REQUIRED NEMA AND UL 508A STANDARDS.
9. ANODIZE AFTER FABRICATION



San Palom
DRAWING APPROVED - CITY ENGINEER

CITY OF ROCKLIN ENGINEERING DIVISION	
METERED SERVICE PEDESTAL	
SCALE: NONE DATE: DECEMBER 2015 DRAWN BY: J. PINKHAM	DWG # 7-8A



ENCLOSURE CONSTRUCTION NOTES

1. EXTERIOR, 1/8" ALUMINUM, AND INTERIOR 14 GA COLD ROLLED STEEL. ELECTRICALLY WELDED AND REINFORCED WHERE REQUIRED.
2. CONSTRUCTION WILL BE NEAR 3R PAINTJOB.
3. ALL NUTS, BOLTS AND SCREWS WILL BE STAINLESS STEEL.
4. NUTS, BOLTS & SCREWS WILL NOT BE VISIBLE FROM OUTSIDE OF ENCLOSURE.
5. NAMEPLATES WILL BE PROVIDED AS REQUIRED.
6. CONTROL WIRING WILL BE MARKED AT BOTH ENDS BY PERMANENT WIRE MARKERS.
7. A PLASTIC COVERED WIRING DIAGRAM WILL BE ATTACHED TO THE INSIDE OF THE FRONT DOOR.
8. ENCLOSURE WILL BE FACTORY WIRED AND CONFORM TO REQUIRED NEMA AND UL 508A STANDARDS.
9. ANODIZE AFTER FABRICATION

TECHO 18000 CONTROL INC. 1818 1/2 AVENUE, GAITHERSBURG, MD

I-_____

27-100

INDUSTRIAL CONTROL PANEL

VOLTAGE	PHASE	WIRES	MADE AMPS	Hz
120/240	1	3	100	60

SUITABLE FOR USE ON A CIRCUIT CAPABLE OF DELIVERING NOT MORE THAN

AMPERES	AT	VOLTAGE
3,500	8WS SYL	240 V

METER SOCKET RATING 100 A. CONT.

ENCLOSURE TYPE 3R

SUITABLE ONLY FOR USE AS SERVICE EQUIPMENT

CITY OF ROCKLIN
ENGINEERING DIVISION

METERED
SERVICE
PEDESTAL

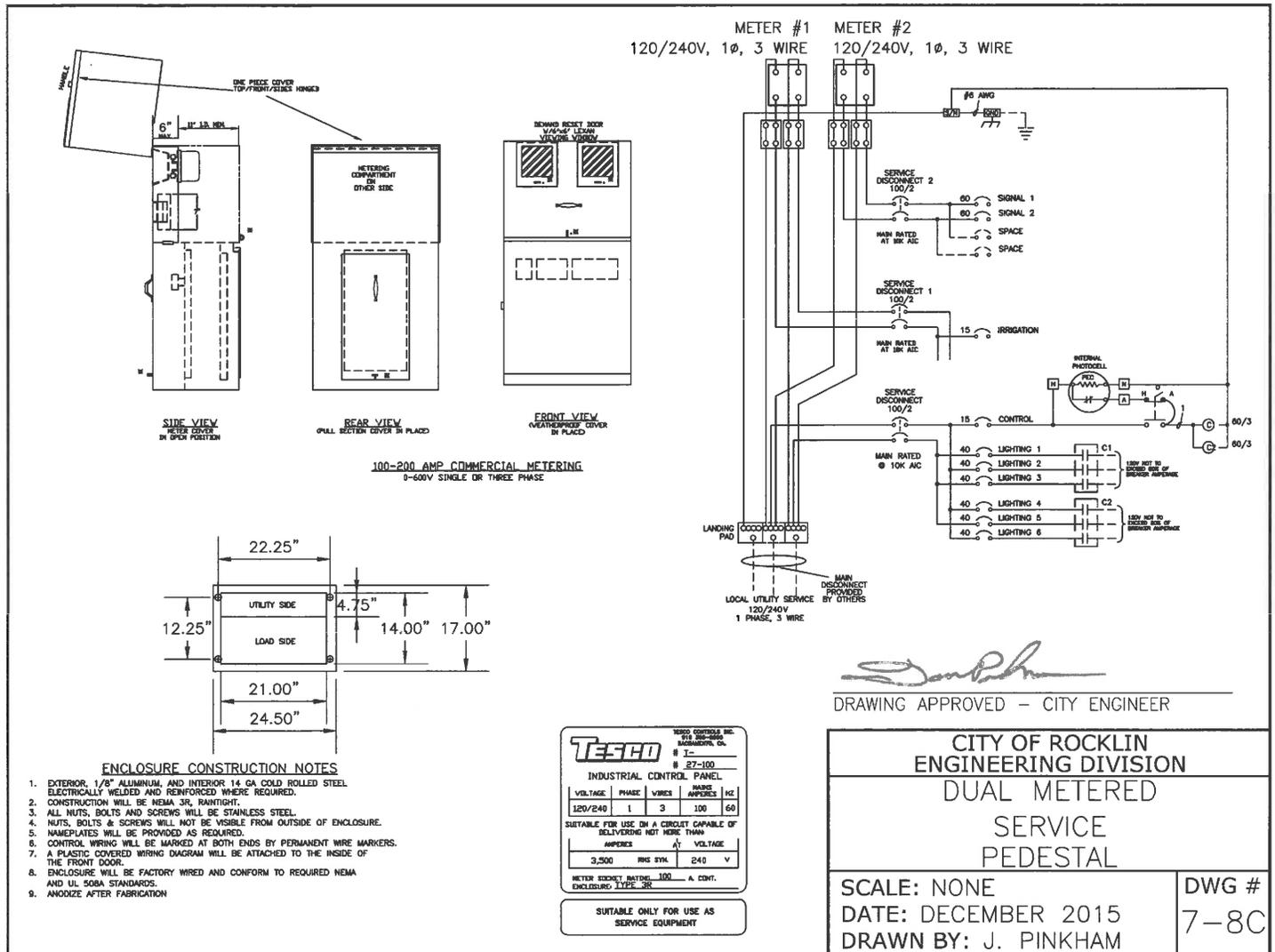
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DATE: DECEMBER 2015

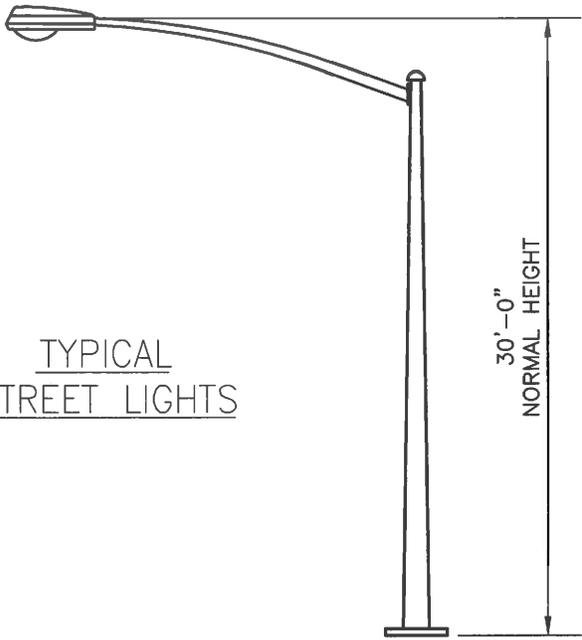
DRAWN BY: J. PINKHAM

DWG #
7-8B

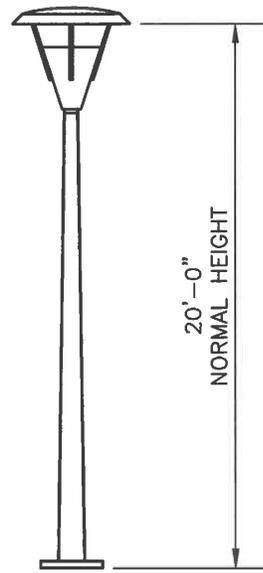
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DRAWING APPROVED - CITY ENGINEER



TYPICAL
STREET LIGHTS



TYPE "A"

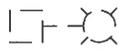
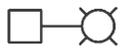


TYPE "B"

SYMBOLS

PROPOSED

EXISTING



TYPE "A" ①



TYPE "B" ②



PULLBOX



CONDUIT



PEDESTAL & SERVICE CAN



UTILITY SERVICE PEDESTAL



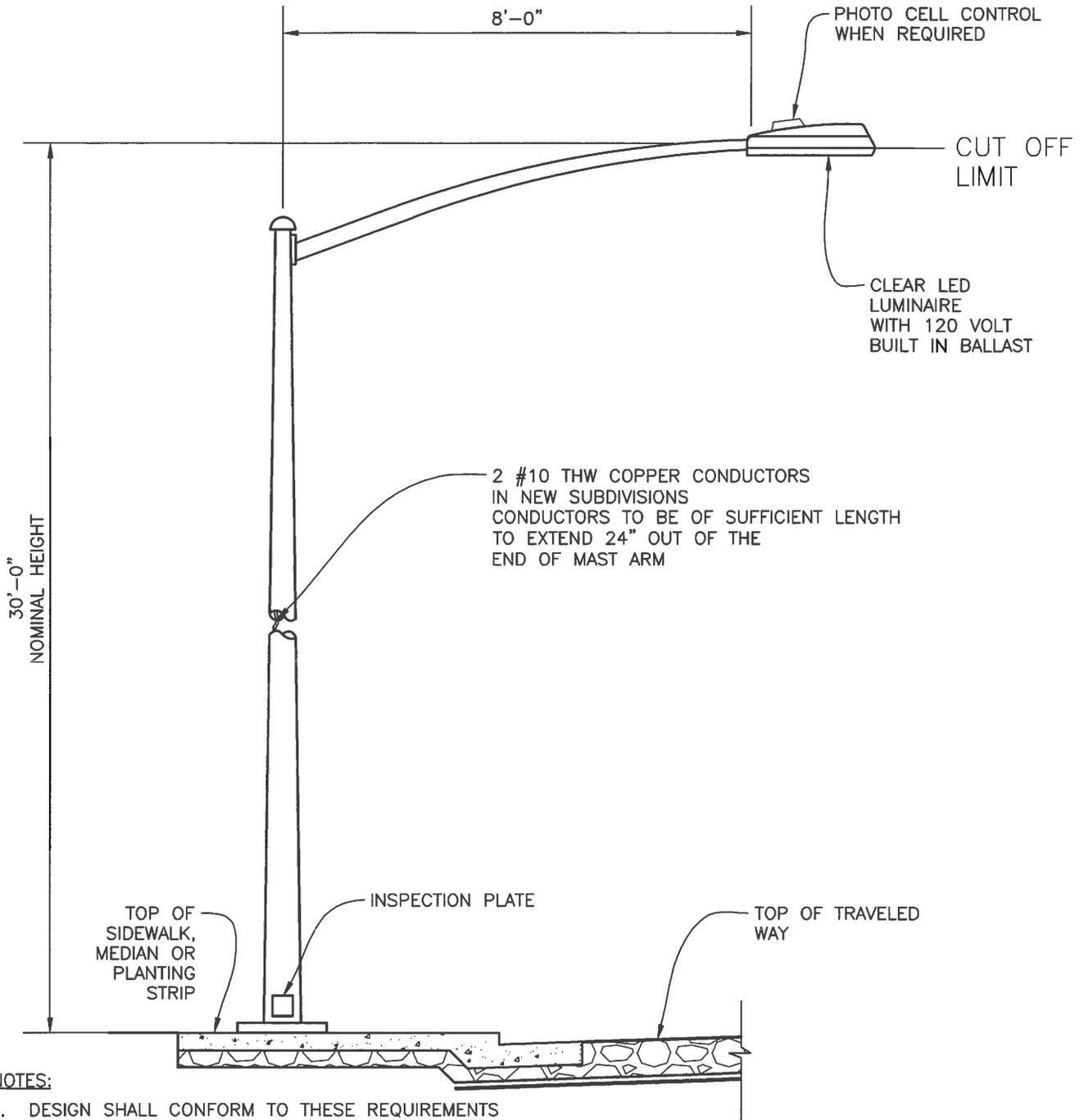
WOOD POLE

① SHALL BE STEEL, ALUMINUM, OR EXPOSED AGGREGATE AS APPROVED BY DIRECTOR.

② SHALL BE PRESTRESSED EXPOSED AGGREGATE OR ALUMINUM POLES.

DRAWING APPROVED - CITY ENGINEER

CITY OF ROCKLIN ENGINEERING DIVISION	
STREET LIGHT POLES AND SYMBOLS	
SCALE: NONE	DWG #
DATE: DECEMBER 2015	7-9
DRAWN BY: J. PINKHAM	

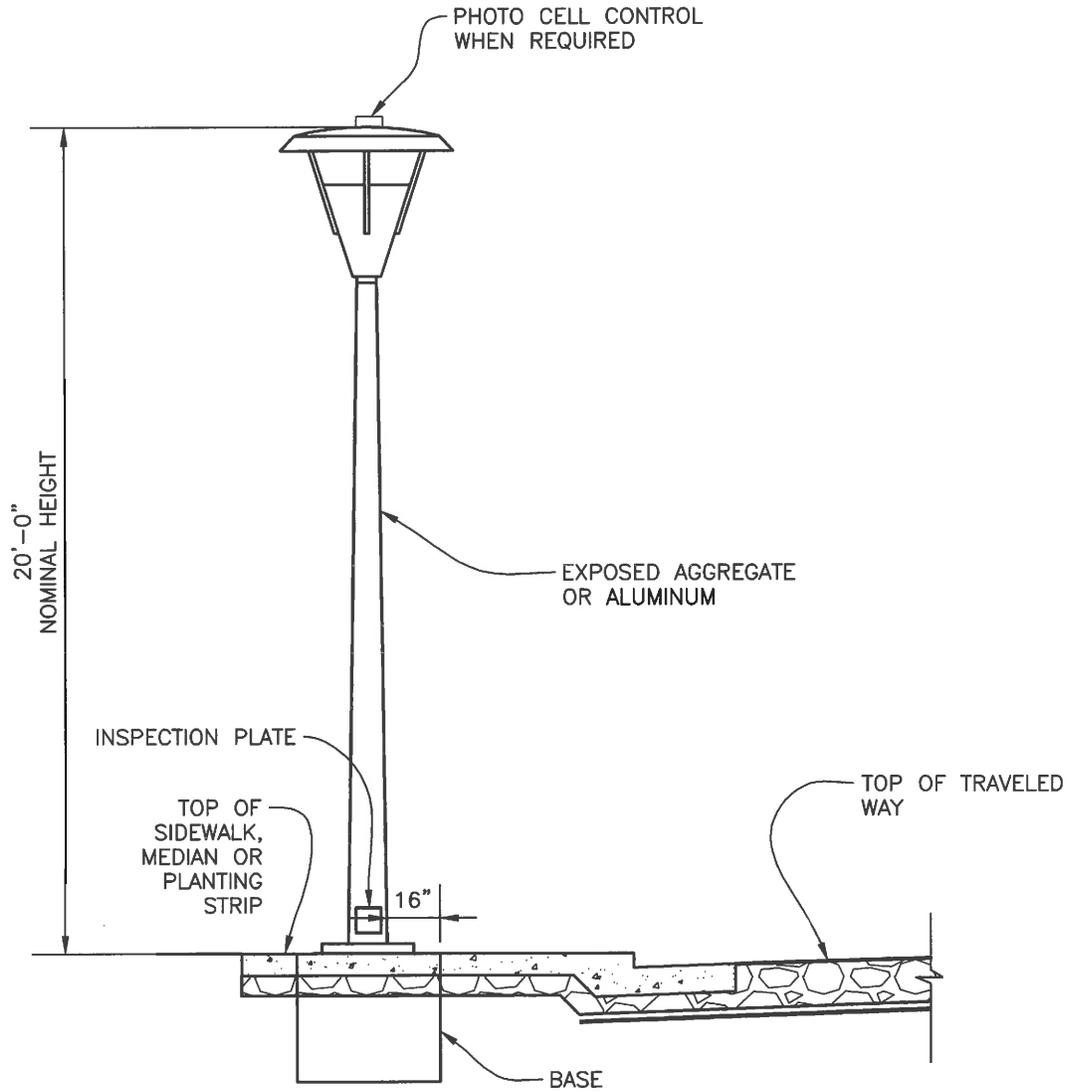


NOTES:

1. DESIGN SHALL CONFORM TO THESE REQUIREMENTS EXCEPT AS OTHERWISE APPROVED BY THE CITY ENGINEER BY VARIANCE.
2. FOR BASE DETAIL SEE CITY STANDARD DRAWING 7-4.
3. SEE CITY STANDARD DRAWING 7-3 FOR BASE LOCATION.

[Signature]
 DRAWING APPROVED - CITY ENGINEER

CITY OF ROCKLIN ENGINEERING DIVISION	
TYPE "A" STREET LIGHTS FOR MAJOR STREETS AND COLLECTORS	
SCALE: NONE DATE: DECEMBER 2015 DRAWN BY: J. PINKHAM	DWG # 7-10

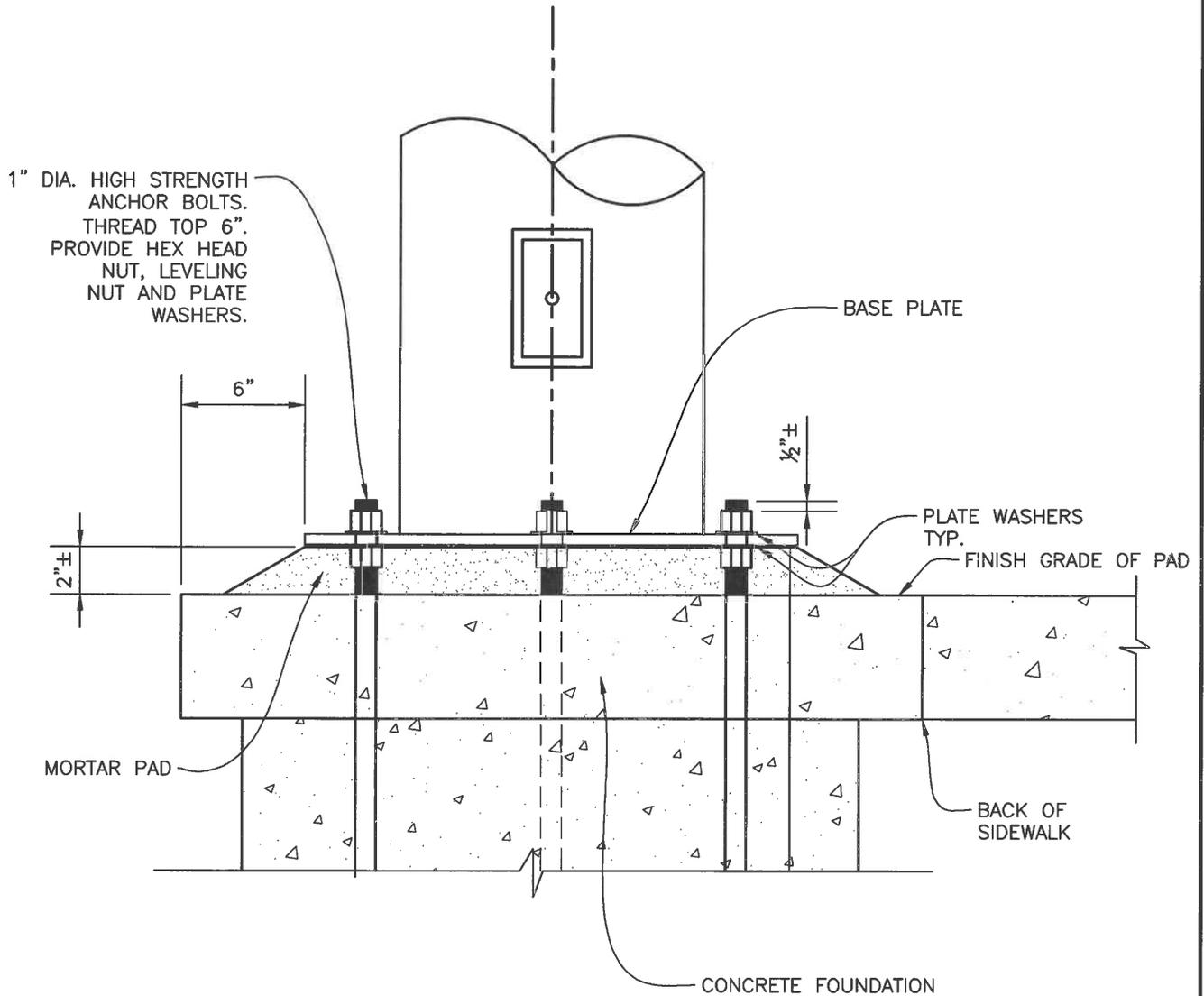


NOTES:

1. DESIGN SHALL CONFORM TO THESE REQUIREMENTS EXCEPT AS OTHERWISE APPROVED BY THE CITY ENGINEER BY VARIANCE.
2. FOR BASE DETAIL SEE CITY STANDARD DRAWING 7-4.
3. SEE CITY STANDARD DRAWING 7-3 FOR BASE LOCATION.

DRAWING APPROVED – CITY ENGINEER

CITY OF ROCKLIN ENGINEERING DIVISION	
TYPE "B" STREET LIGHTS FOR MINOR STREETS	
SCALE: NONE DATE: DECEMBER 2015 DRAWN BY: J. PINKHAM	DWG # 7-11



NOTES:

1. DESIGN SHALL CONFORMS TO THESE REQUIREMENTS EXCEPT AS OTHERWISE APPROVED BY THE CITY ENGINEER BY VARIANCE.
2. FOUNDATION BOLTS SHALL NOT BE CUT OFF FOR ANY REASON AND EXTENSION COUPLERS SHALL NOT BE PERMITTED.

[Signature]
 DRAWING APPROVED – CITY ENGINEER

CITY OF ROCKLIN ENGINEERING DIVISION	
STREET LIGHT BASE LEVELING DETAIL	
SCALE: NONE DATE: DECEMBER 2015 DRAWN BY: J. PINKHAM	DWG # 7-12

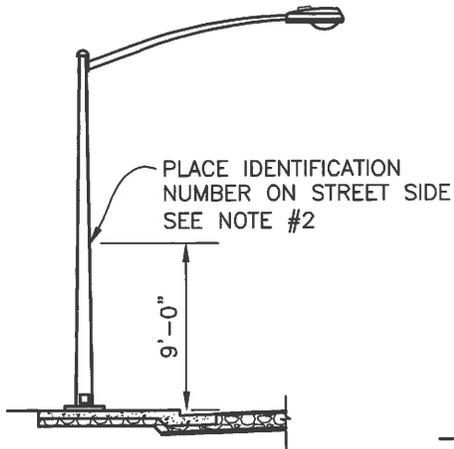


FIGURE 1
SINGLE LUMINAIRE

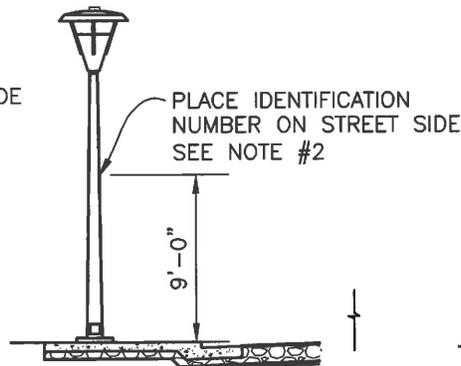


FIGURE 2
POST TOP LUMINAIRE

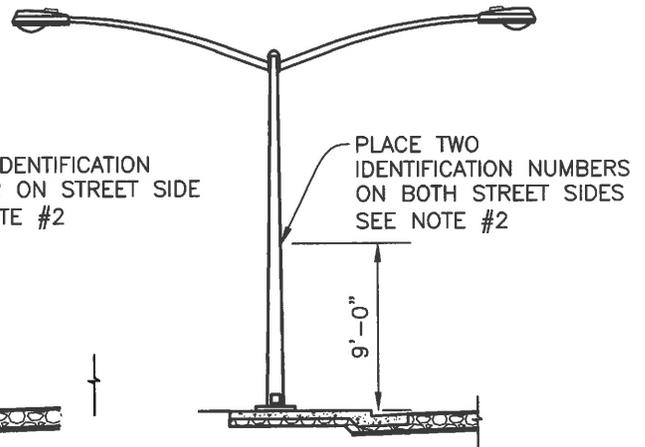


FIGURE 3
TWIN LUMINAIRE

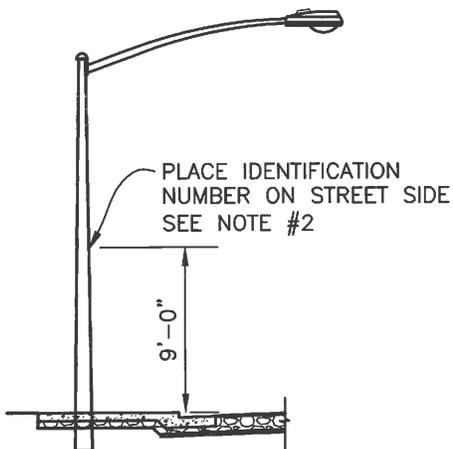


FIGURE 4
LUMINAIRE ON WOOD
STREET LIGHTING POLE

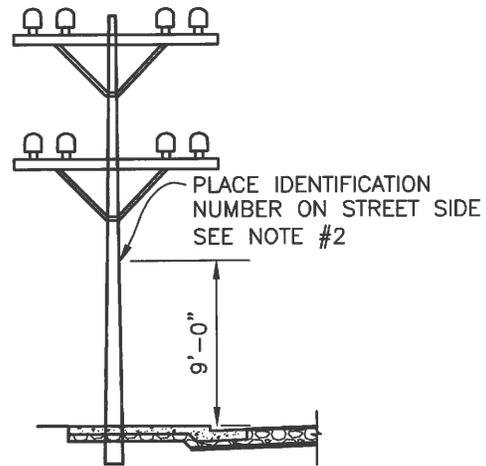


FIGURE 5
LUMINAIRE ON
DISTRIBUTION POLE

NOTES:

1. FIGURE 1, FIGURE 2 AND FIGURE 3 ARE METAL OR CONCRETE POLES OR POSTS.
2. IN THOSE INSTALLATIONS WHERE AESTHETICS ARE CONSIDERED IMPORTANT, THE IDENTIFICATION NUMBER MAY BE PLACED ON THE LOWER SIDE OF THE LUMINAIRE IN THE VICINITY OF THE 3"x3" LAMP IDENTIFICATION DECAL. ON POST TOP LUMINAIRES, IT MAY BE PUT ON THE BASE OF THE LUMINAIRE OR ON THE POLE BELOW THE LUMINAIRE.

DRAWING APPROVED - CITY ENGINEER

CITY OF ROCKLIN ENGINEERING DIVISION TYPICAL PLACEMENT OF IDENTIFICATION DECALS ON LUMINAIRE POLES	
SCALE: NONE DATE: DECEMBER 2015 DRAWN BY: J. PINKHAM	DWG # 7-13

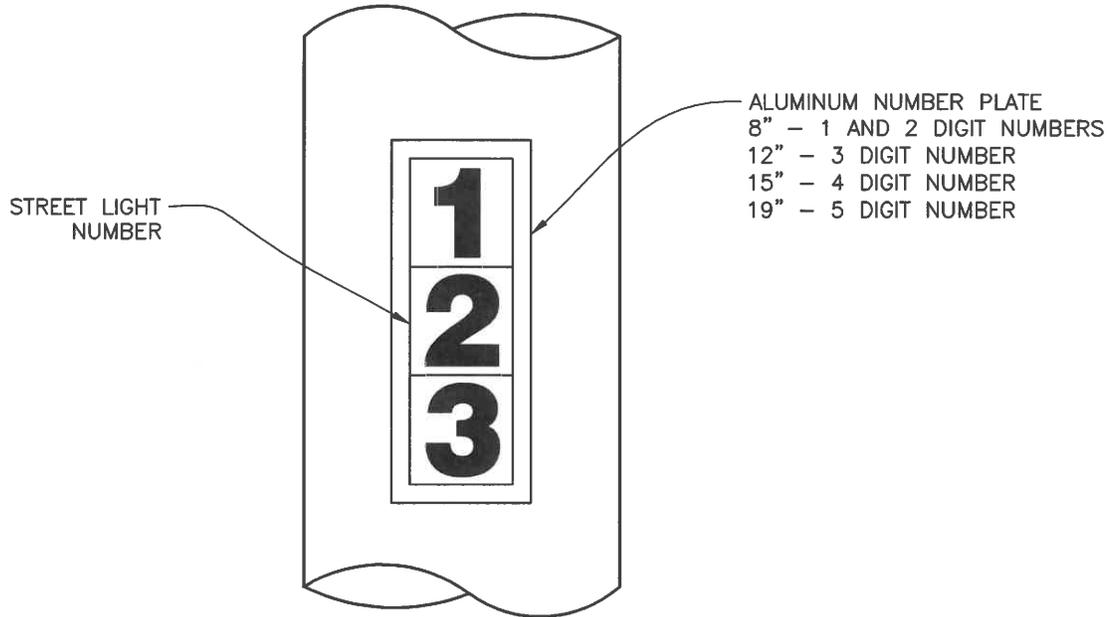


FIGURE 6
 TYPICAL ARRANGEMENT OF NUMBERS ON POLE

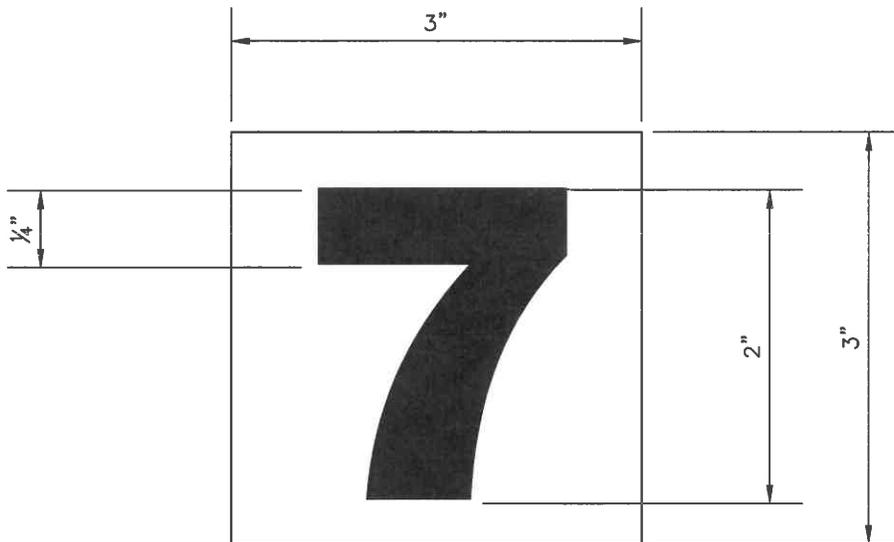


FIGURE 7

[Signature]
 DRAWING APPROVED - CITY ENGINEER

CITY OF ROCKLIN ENGINEERING DIVISION	
STREET LIGHT IDENTIFICATION DECALS	
SCALE: NONE	DWG #
DATE: DECEMBER 2015	7-14
DRAWN BY: J. PINKHAM	

NOTES

1. INSTALLATION INSTRUCTIONS FOR REFLECTIVE NUMERALS AND LETTERS:
 - A. CLEAN AND THOROUGHLY DRY THE APPLICATION AREA.
 - B. PEEL BACKING PAPER OFF REFLECTIVE NUMERAL AND APPLY.
 - C. PRESS REFLECTIVE NUMERAL FIRMLY FROM CENTER OUTWARD TO REMOVE ANY ENTRAPPED AIR.
2. COLOR: BLACK NUMBERS AND LETTERS WITH A REFLECTIVE SILVER BACKGROUND.

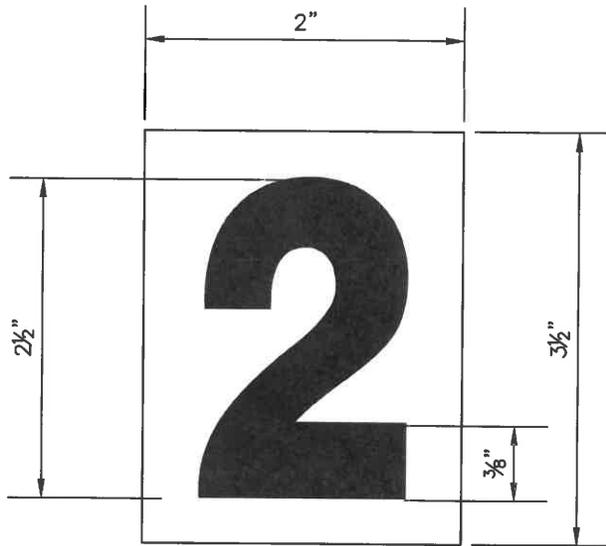


FIGURE 4
SCOTCHLITE REFLECTIVE NUMERALS

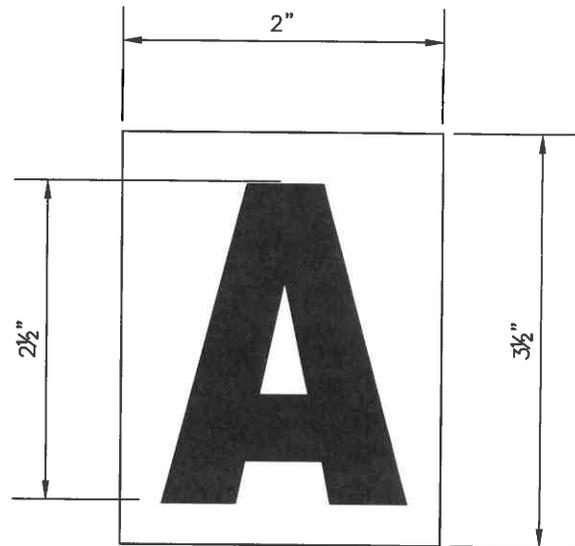
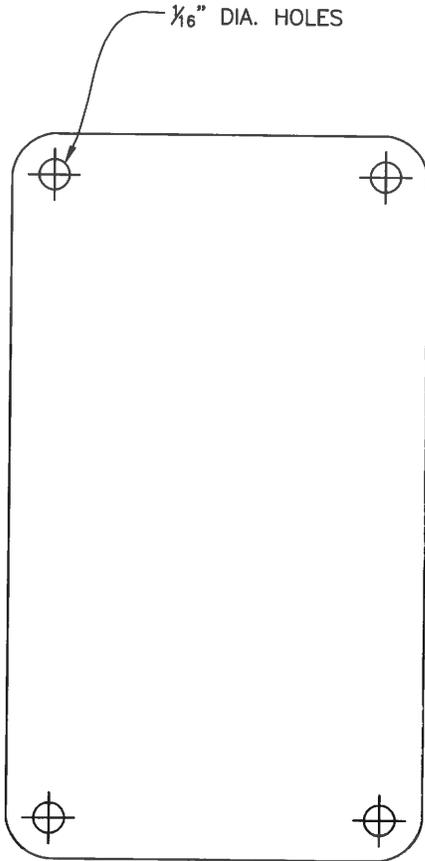


FIGURE 5
SCOTCHLITE REFLECTIVE LETTERS

DRAWING APPROVED - CITY ENGINEER

CITY OF ROCKLIN ENGINEERING DIVISION	
REFLECTIVE NUMERALS AND LETTERS FOR STREET LIGHT MARKING	
SCALE: NONE DATE: DECEMBER 2015 DRAWN BY: J. PINKHAM	DWG # 7-15



TYPICAL ALUMINUM
NUMBER PLATE

DIMENSIONS	COLOR
2 1/2" X 8" X .020	NON REFLECTIVE WHITE
2 1/2" X 12" X .020	
2 1/2" X 15" X .020	
2 1/2" X 19" X .020	
2 1/2" X 24" X .020	

DRAWING APPROVED – CITY ENGINEER

CITY OF ROCKLIN ENGINEERING DIVISION	
ALUMINUM NUMBER PLATES	
SCALE: NONE DATE: DECEMBER 2015 DRAWN BY: J. PINKHAM	DWG # 7-16

STREET CLASSIFICATION	ST. TYPE & R/W WIDTH	TYPE STREET LIGHT	NORMAL MOUNTING HEIGHT	AVERAGE MAINTAINED FOOTCANDLE	MAINTENANCE FACTOR
THOROUGHFARE	120'	A	30'	.70	.8
	90'	A	30'	.55	.8
ARTERIAL	80'	A	30'	.35	.8
COLLECTOR	66'	A	30'	.27	.8
	62'	A	20'	.16	.8
INDUSTRIAL COMMERCIAL	60'	A	30'	.24	.8
RESIDENTIAL	60'	B	20'	.13	.8
	50'	B	20'	.12	.8
	46'	B	20'	.11	.8
CUL-DE-SAC	42'	B	20'	.11	.8
PEDESTRIAN LANE	-	B	14'	.15	.8

1. LUMENS USED TO CALCULATE THE AVERAGE MAINTAINED FOOTCANDLE SHALL BE 80% OF INITIAL LUMEN VALUE RATED BY THE LAMP MANUFACTURER.

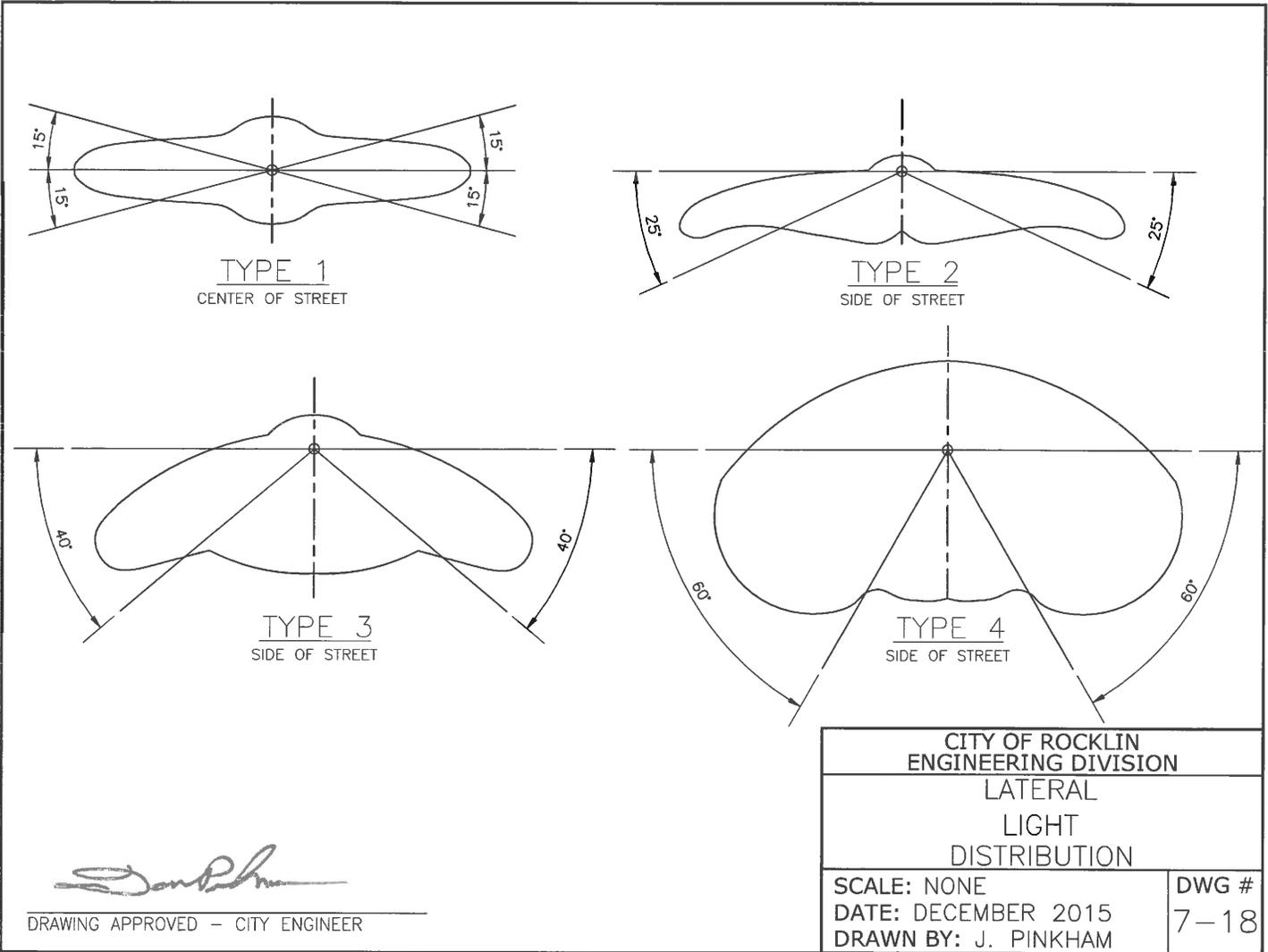
STREET CLASSIFICATION	ST. TYPE & R/W WIDTH	TYPE STREET LIGHT	NORMAL MOUNTING HEIGHT	LED WATTAGE	FRONT ON LOT	FRONT LOT OFF	LIGHT DISTRIBUTION PATTERN MIDBLOCK LOCATION
					SPACING (ONE SIDE ONLY)		
THOROUGHFARE	120'	A	30'	80/100 (SEE NOTE 4)	220	220	III
ARTERIAL	90'	A	30'	80	220	250	III
	80'	A	30'	80	220	250	III
COLLECTOR	66'	A	30'	80	SPACING (BOTH SIDES) 180		III
	62'	A	30'	80	200		
INDUSTRIAL COMMERCIAL	60'	A	30'	80	220		III
RESIDENTIAL	60'	B	20'	55	200		III
	50'	B	20'	55	200		III
	46'	B	20'	55	240		III
CUL-DE-SAC	42'	B	20'	55	240		III

1. LAMP WATTAGE SHOWN IS FOR LED ONLY. DESIGN CRITERIA MUST BE SUBMITTED FOR ALL OTHER LAMPS
2. SPACING MAY BE ADJUSTED ±10% TO ALLOW FOR DRIVEWAYS.
3. BACK-ON LOT SPACING MAY BE ADJUSTED TO 330 FT. IF BOTH SIDES OF THE STREET ARE LIGHTED.
4. DECO VS ROADWAY (COBRA)



DRAWING APPROVED - CITY ENGINEER

CITY OF ROCKLIN ENGINEERING DIVISION	
STREET LIGHTING DESIGN CRITERIA	
SCALE: NONE DATE: DECEMBER 2015 DRAWN BY: J. PINKHAM	DWG # 7-17



TYPICAL VOLTAGE DROP CALCULATION FOR 3-WIRE SYSTEM

VOLTAGE DROP (COPPER CONDUCTOR) = $\frac{D \times A \times N \times 11}{\text{CIRCULAR MILS}}$

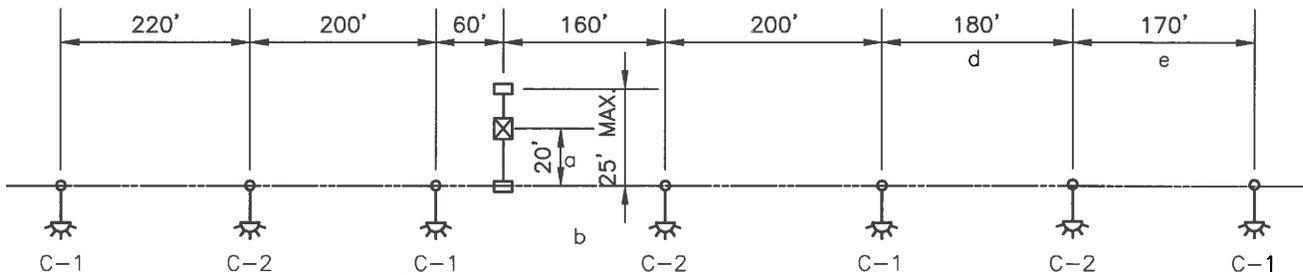
D = LENGTH OF SECTION, IN FEET

A = LINE OPERATING AMPERES DRAWN BY ONE LIGHT

N = NUMBER OF LIGHTS IN THE CIRCUIT BEYOND THE SECTION

WIRE SIZE	AREA (CIRCULAR MILS)
14	4,110
12	6,530
10	10,380
8	16,510
6	26,250
4	41,740

LINE OPERATING AMPERES FOR LED LUMINAIRES	
55 WATTS39 AMPS
80 WATTS74 AMPS
101 WATTS	1.38 AMPS



SAMPLE MULTIPLE STREET LIGHTING SYSTEM

SAMPLE CALCULATION:

FIND TOTAL VOLTAGE DROP IN CIRCUIT #1 (115 VOLT SYSTEM)

VOLTAGE DROP CALCUALTION:

SECTION a = $\frac{20 (2.9 \times 4) (11)}{6530} = 0.39$

SECTION b + c = $\frac{360 (2.9 \times 2) (11)}{6530} = 3.52$

SECTION d + e = $\frac{350 (2.9 \times 1) (11)}{6530} = 1.71$

TOTAL VOLTAGE DROP = 5.62

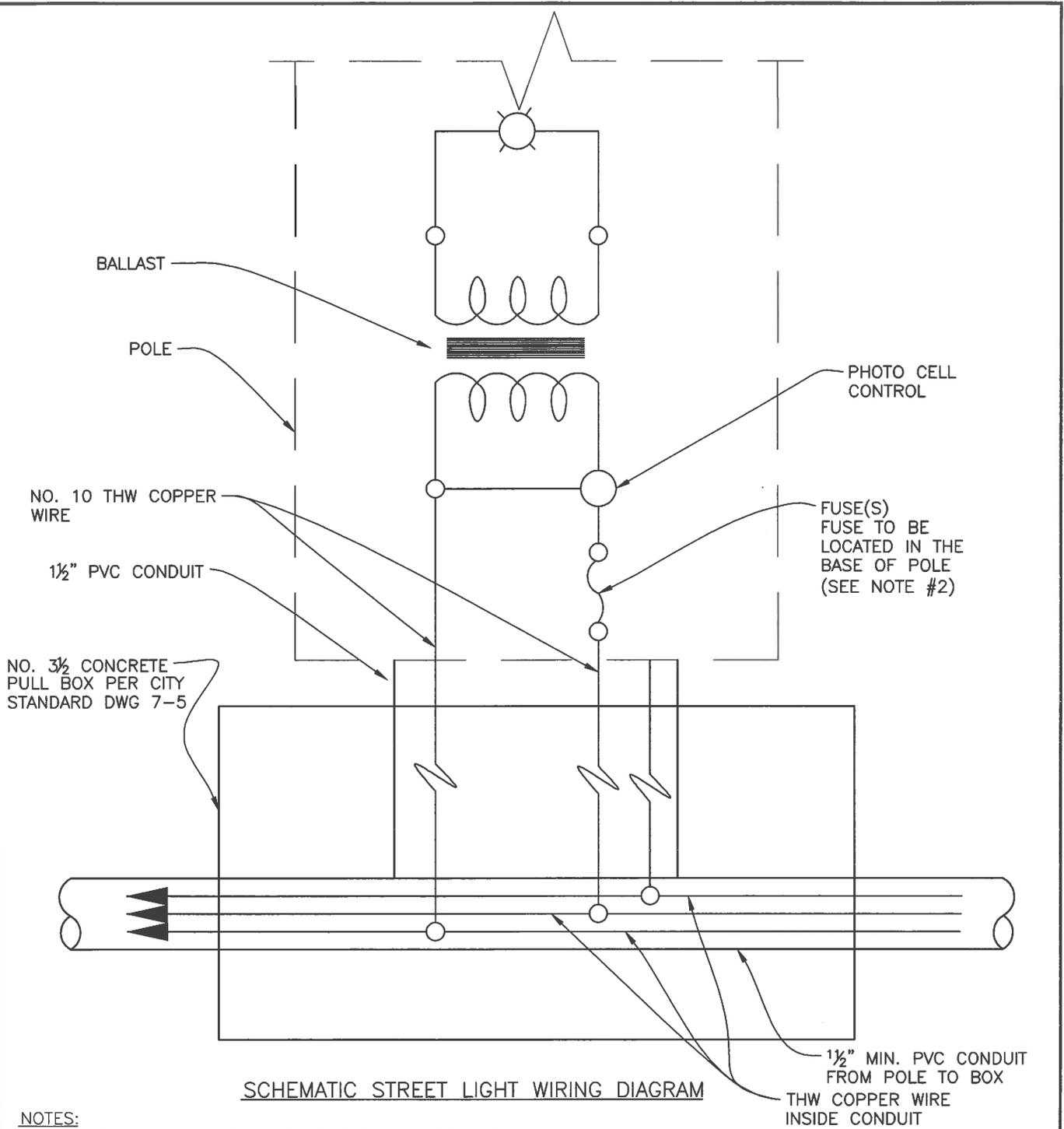
NOTE: MAXIMUM VOLTAGE DROP ALLOWED = 5% OR 6 VOLTS

LEGEND

- LED LUMINAIRE
- C-1 CIRCUIT NUMBER
- SERVICE CAN
- PULL BOX
- CONDUIT WITH #10 A.W.G. CONDUCTORS

DRAWING APPROVED - CITY ENGINEER

CITY OF ROCKLIN ENGINEERING DIVISION	
TYPICAL VOLTAGE DROP CALCULATION FOR 3-WIRE SYSTEM	
SCALE: NONE	DWG #
DATE: DECEMBER 2015	7-19
DRAWN BY: J. PINKHAM	



SCHEMATIC STREET LIGHT WIRING DIAGRAM

NOTES:

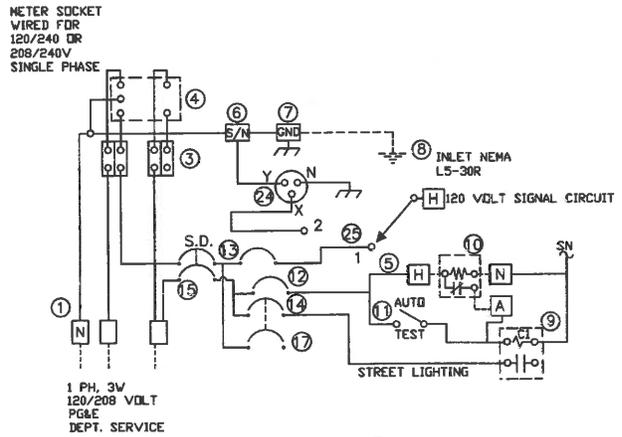
1. DESIGN SHALL CONFORM TO THESE REQUIREMENTS EXCEPT OTHERWISE APPROVED BY THE CITY ENGINEER.
2. FOR FUSING, NEC PRACTICES SHALL BE FOLLOWED. SEE MANUFACTURER SPECIFICATIONS FOR FUSING REQUIREMENTS.

DRAWING APPROVED - CITY ENGINEER

CITY OF ROCKLIN ENGINEERING DIVISION	
STREET LIGHT STANDARD WIRING DIAGRAM	
SCALE: NONE DATE: DECEMBER 2015 DRAWN BY: J. PINKHAM	DWG # 7-20

SERVICE ENCLOSURE WIRING DIAGRAM
METERED PER UTILITY REQUIREMENTS

TYPE III-AF SERVICE EQUIPMENT SCHEDULE		
	COMPONENT	NAME PLATE DESCRIPTION
①	NEUTRAL LUG	
②	LANDING LUG	
③	TEST BYPASS FACILITIES	
④	METER SOCKET AND SUPPORT	
⑤	TERMINAL BLOCKS	
⑥	SOLID NEUTRAL BUS	
⑦	GROUND BUS	
⑧	GROUND ROD	
⑨	35A MERCURY CONTACTOR	
⑩	PHOTO ELECTRIC UNIT	
⑪	15 AMP SWITCH SPST	LIGHTING TEST SWITCH
⑫	15A,120V,1P,CKT.BKR.	LIGHTING CONTROL
⑬	50A,120V,1P,CKT.BKR.	SIGNALS
⑭	20A,240V,1P,CKT.BKR.	STREET LIGHTS (TRAF.SIG.)
⑮	100A,240V,2P,CKT.BKR.	SERVICE DISCONNECT
⑰	20A,120V,1P,CKT.BKR.	SPARE
⑲	50A,120V,FLANGED RECEPTACLE	
⑳	55A,120V,1P	TRANSFER SWITCH



[Signature]
DRAWING APPROVED - CITY ENGINEER

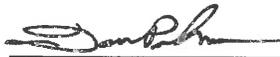
[Signature]
DRAWING APPROVED - DIRECTOR OF PUBLIC WORKS

CITY OF ROCKLIN ENGINEERING DIVISION TYPICAL SERVICE AND WIRING SCHEDULE	
SCALE: NONE DATE: AUGUST 2015 DRAWN BY: J. PINKHAM	DWG # 8-1

61-5-129 *

POLE & EQUIPMENT SCHEDULE								
NO.	STANDARD		VEHICLE SIGNAL MOUNTING		PEDESTRIAN SIGNAL MOUNTING	PPB Ø	LED LUMINAIRE WATTAGE 120 VOLT	NOTES
	TYPE	SIG. MA (FEET)	LUM. MA (FEET)	MAST ARM				
(A)	26-4-70	40'	15'	MAS-xx MAS-xx	SV-1-T	SP-2-CS	2 8	
(B)	1-B				TV-2-T	SP-2-CS		
(C)	18-3-70	30'		MAS-xx		SP-1-CS		
(D)	1-B				TV-2-T			
(E)	18-3-70	25'		MAS-xx	SV-1-T	SP-1-CS		
(F)	1-B				TV-1-T		2	
(G)	TYPE 15		15'					

xx = DISTANCE FROM SHAFT TO SIGNAL HEADS.
 * CONTRACTOR SHALL PROVIDE TO THE CITY: ENGINEERING CALCULATIONS FROM THE POLE MANUFACTURER FOR LOADING CONDITIONS IF NOT ALREADY ON FILE WITH THE CITY.


 DRAWING APPROVED - CITY ENGINEER


 DRAWING APPROVED - DIRECTOR OF PUBLIC WORKS

CITY OF ROCKLIN ENGINEERING DIVISION	
TYPICAL POLE AND EQUIPMENT SCHEDULE	
SCALE: NONE	DWG #
DATE: DECEMBER 2015	8-2
DRAWN BY: J. PINKHAM	

		CONDUCTOR SCHEDULE										
AWG	CIRCUIT	1	2	3	4	5	6	7	8	9	10	11
No. 14	#1	3	3	3	3	3						
	#2						6	6	3	9		
	#3		3	3	3	3						
	#4		3	3	9	9			12	12		
	#5						3	3	6	6		
	#6	6	6	6	6	9			9	9		
	#7											
	#8											
	#2 PED						2	2	2	4		
	#4 PED				2	2			4	4		
	#6 PED	2	2	2	4	4			4	4		
	#8 PED											
	#2 PPB								1	1	2	
	#4 PPB					1	1		2	2		
	#6 PPB		1	1	2	2			2	2		
	#8 PPB											
	SPARES		6	12	12	15	21	6	33	6	42	
P.E.U.										2		
TOTAL No.14		17	30	30	44	57	18	57	15	116		
No.12	PPB COMMON		1	1	1	1	1	2	1	2		
No.10	LUMINAIRE		2	2	2	2	2	2	2	2		
No. 8	SIGNAL COMMON		1	1	1	1	1	2	1	2		
+ No.10	PULL WIRE		1	1	1	1	1	1	1	1		
No.10	ILL. STREET LIGHT											
DLC	#1 DETECTORS					4		4		4		
	#2 DETECTORS								12	12		
	#3 DETECTORS			7	7	7			7	7		
	#4 DETECTORS								9	9		
	#5 DETECTORS									4	4	
	#6 DETECTORS						11		11		11	
	#7 DETECTORS											
	#8 DETECTORS											
TOTAL DLC			7	7	22			31	16	47		
OPTICOM CABLES	IC CABLE											
	EVA						1	1		1		
	EVB				1	1			1	1		
	EVC	1	1	1	1	1			1	1		
	EVD										1	
TOTAL CABLES		1	1	1	2	2	1	3		4		
TOTAL CONDUCTORS												
CONDUCTOR SIZES		3"	2.5"	3"	1.5"	3"	3"	2.5"				
PERCENT FILL												

PT2 CCTV WIFI CABLE ○
PT2 CCTV POWER CABLE *

+ PROVIDE 1 #10 GREEN PULLWIRE IN EACH CONDUIT

○ FURNISH AND INSTALL COMMSCOPE ULTRA 11 ENHANCED CAT 5E CABLE, PART NUMBER 5NF4-4 TWISTED PAIR FLOODED CABLE OR APPROVED EQUAL.

* FURNISH AND INSTALL IMSA-14-3/20-/-STR CAMERA POWER CABLE. CABLE SHALL BE 600 VOLT AND 90 DEGREE C. COLOR CODE 3/C: BLACK, WHITE AND GREEN (BELDEN PN601195 OR CITY APPROVED EQUAL.)

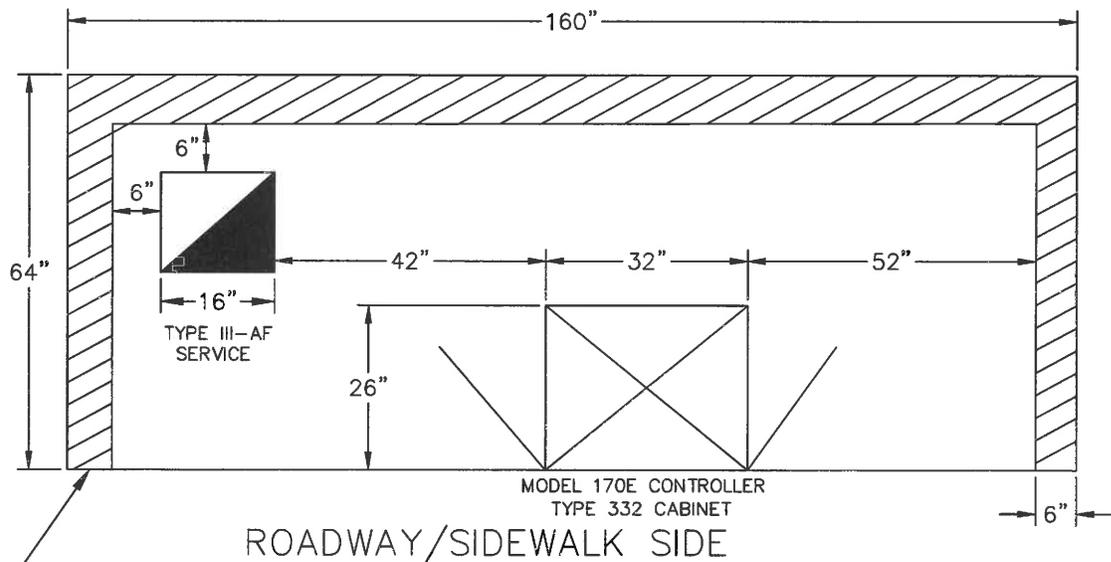


DRAWING APPROVED - CITY ENGINEER



DRAWING APPROVED - DIRECTOR OF PUBLIC WORKS

CITY OF ROCKLIN ENGINEERING DIVISION TYPICAL CONDUCTOR SCHEDULE	
SCALE: NONE DATE: AUGUST 2015 DRAWN BY: J. PINKHAM	DWG # 8-3



RETAINING CURB:
 6" WIDTH W/ 6" MIN. HEIGHT
 DEPENDING ON SLOPE TO THE BACK.
 CURB TO BE DOWELED TO THE PAD
 AT 24" CENTERS, OR MAY BE
 POURED MONOLITHICALLY WITH PAD.
 INSTALL 1/ #4 HORIZONTAL REBAR
 THE FULL LENGTH OF THE CURB.

MINOR CONCRETE

[Signature]

DRAWING APPROVED - CITY ENGINEER

[Signature]

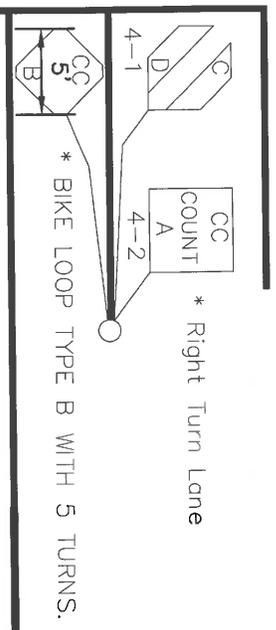
DRAWING APPROVED - DIRECTOR OF PUBLIC WORKS

CITY OF ROCKLIN
 ENGINEERING DIVISION

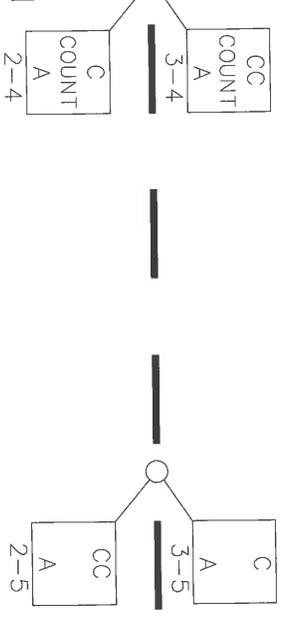
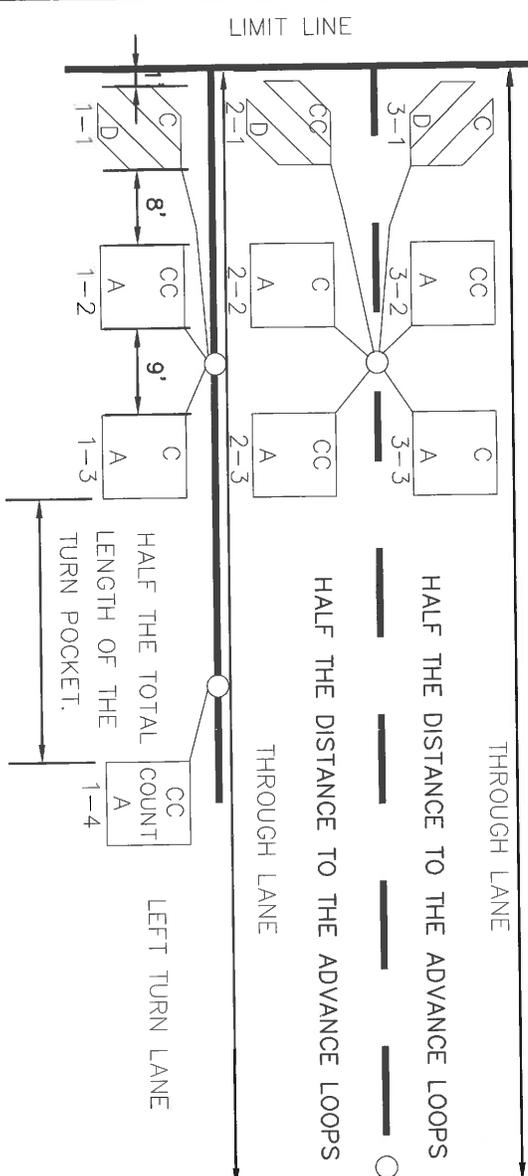
TYPICAL CONTROLLER/
 SERVICE CABINET DETAIL

SCALE: NONE
 DATE: AUGUST 2015
 DRAWN BY: J. PINKHAM

DWG #
 8-4



* CENTER LOOPS IN EFFECTIVE AREA.
 * HANDHOLES TO BE PLACED BETWEEN NUMBER 2 AND 3 LOOPS IN THE THROUGH LANES.
 * DISTANCE OF ADVANCE LOOPS TO BE DECIDED USING CA MUTCD TABLE 4D-101 (CA) 85th PERCENTILE SPEED.



* Separate DLC's shall be required for bikes, call loops, right turn, left turn call, count loops, and a permanent label shall be required to designate their location.

LOOP DETECTOR ASSIGNMENTS

	(1)	(2)	1	2	3
CALL	111U 315U 5J1U 7J5U	111L 315L 5J1L 7J5L	214U 418U 6J4U 8J8U	214U 418U 6J4U 8J8U	214L 418L 6J4L 8J8L
COUNT	119U* 319L* 5J9U* 7J9L*	213U 417U 6J3U 8J7U	212U 416U 6J2U 8J6U	212L 416L 6J2L 8J6L	213L 417L 6J3L 8J7L
ADVANCE					213L 417L 6J3L 8J7L

LEGEND

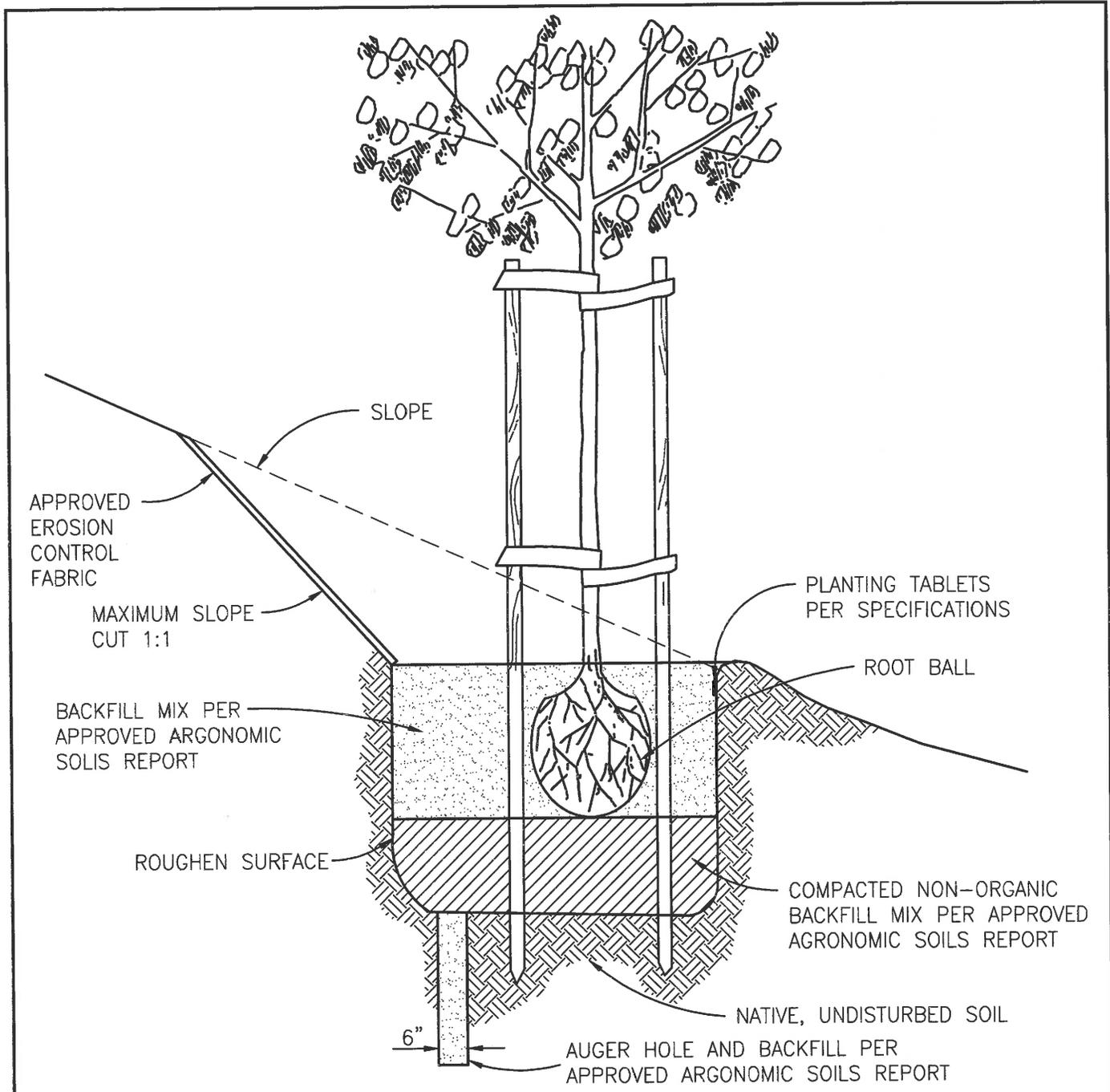
A = TYPE "A" LOOP
 B = TYPE "B" LOOP
 D = TYPE "D" LOOP
 C = CLOCKWISE WOUND LOOP
 CC = COUNTER CLOCKWISE WOUND LOOP
 1-1 = LANE #, LOOP #
 COUNT = COUNT LOOP

[Signature]
 DRAWING APPROVED - CITY ENGINEER

CITY OF ROCKLIN
 ENGINEERING DIVISION
 TYPICAL LOOP DETECTOR LAYOUT

SCALE: NONE
 DATE: AUGUST 2015
 DRAWN BY: J. PINKHAM

DWG # 8-5



NOTES:

1. BACKFILL MATERIAL SHALL NOT HAVE PARTICLES GREATER THAN 1/2".
2. PLANT PIT TO BE EXCAVATED TO 1-1/2 TIMES THE ORIGINAL CONTAINER DEPTH AND 2 TIMES THE DIAMETER OF ORIGINAL CONTAINER.
3. DOUBLE STAKE ALL TREES 15 GALLON SIZE AND LARGER UNLESS DIRECTED OTHERWISE BY CITY ARBORIST OR ENGINEER.
4. DOUBLE STAKES SHALL USE STEEL TWIST BRACE.
5. TREES SHALL NOT BE PLACED WITHIN 100' OF A STOP SIGN OR TRAFFIC SIGNAL.

[Handwritten Signature]

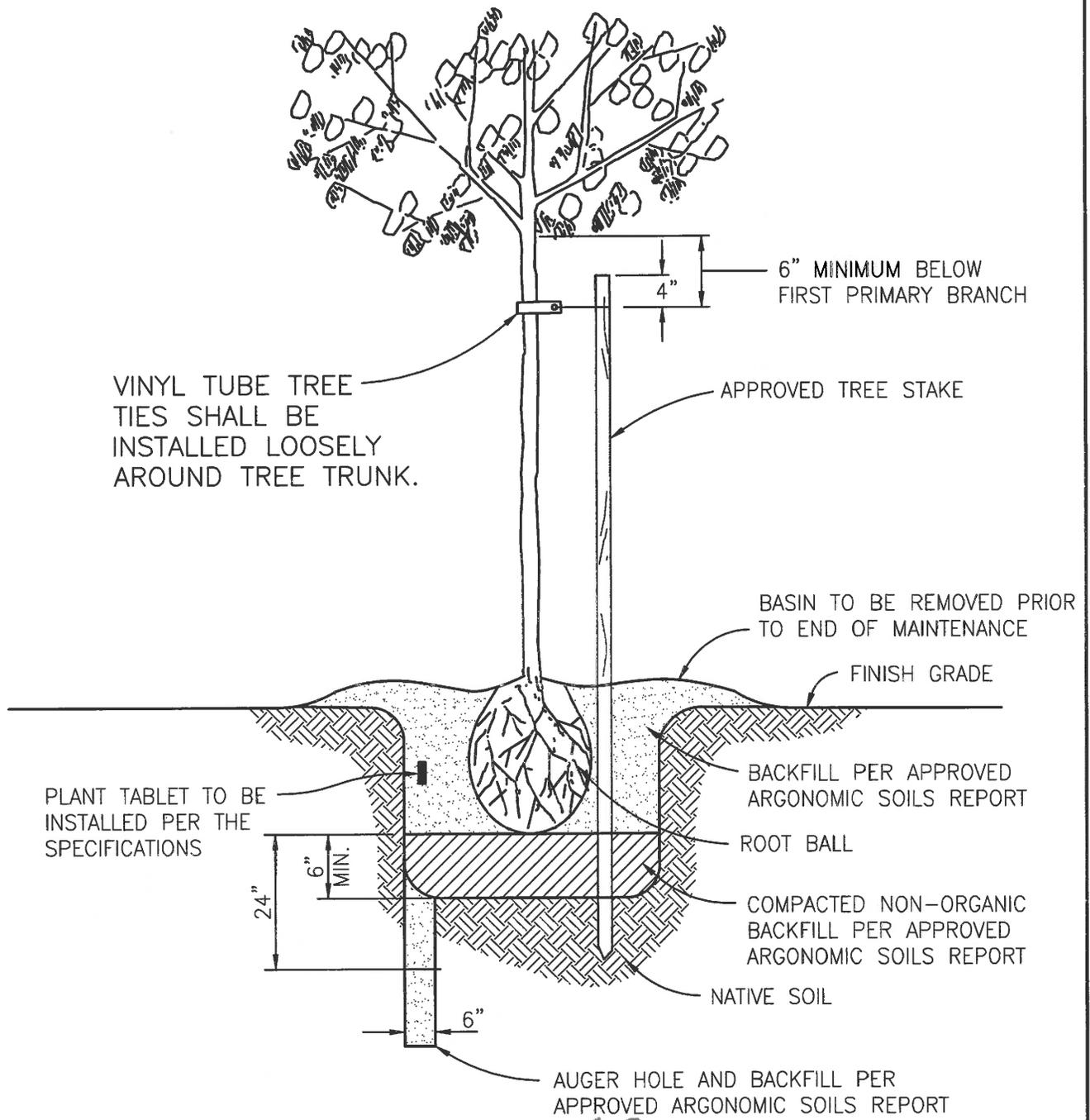
DRAWING APPROVED - DIRECTOR OF PUBLIC WORKS

**CITY OF ROCKLIN
ENGINEERING DIVISION**

SLOPE PLANTING

SCALE: NONE
DATE: DECEMBER 2015
DRAWN BY: J. PINKHAM

DWG #
9-1



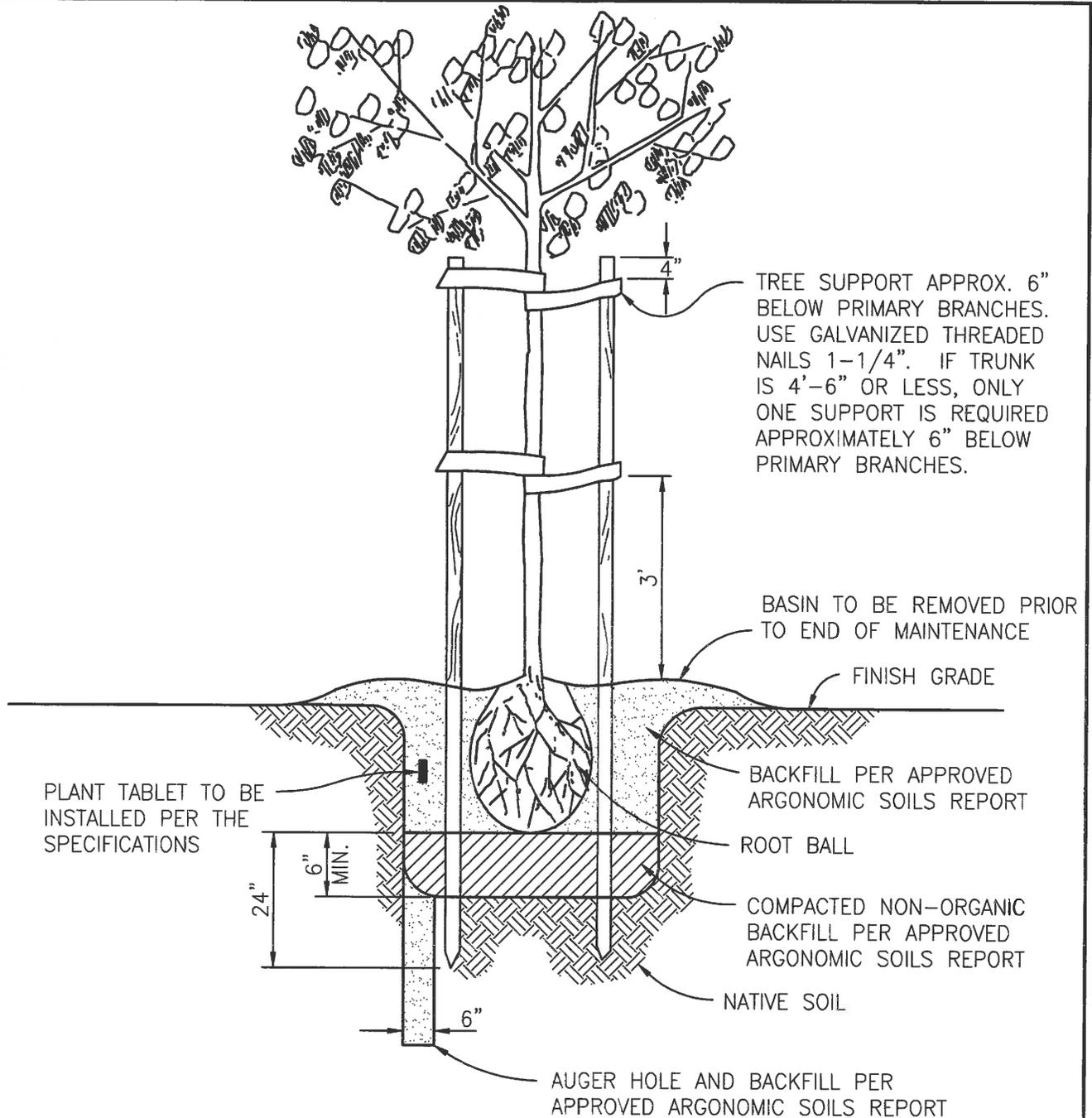
[Handwritten Signature]

NOTES:

1. BACKFILL MATERIAL SHALL NOT HAVE PARTICLE SIZES GREATER THAN 1/2".
2. PLANT PIT SHALL BE EXCAVATED TO 1-1/2 TIMES THE DEPTH AND 2 TIMES THE DIAMETER OF THE ORIGINAL CONTAINER.
3. SINGLE STAKE ALL TREES SMALLER THAN 15 GALLON SIZE ONLY.

DRAWING APPROVED - DIRECTOR OF PUBLIC WORKS

CITY OF ROCKLIN ENGINEERING DIVISION	
TREE PLANTING - SINGLE STAKE	
SCALE: NONE DATE: DECEMBER 2015 DRAWN BY: J. PINKHAM	DWG # 9-2

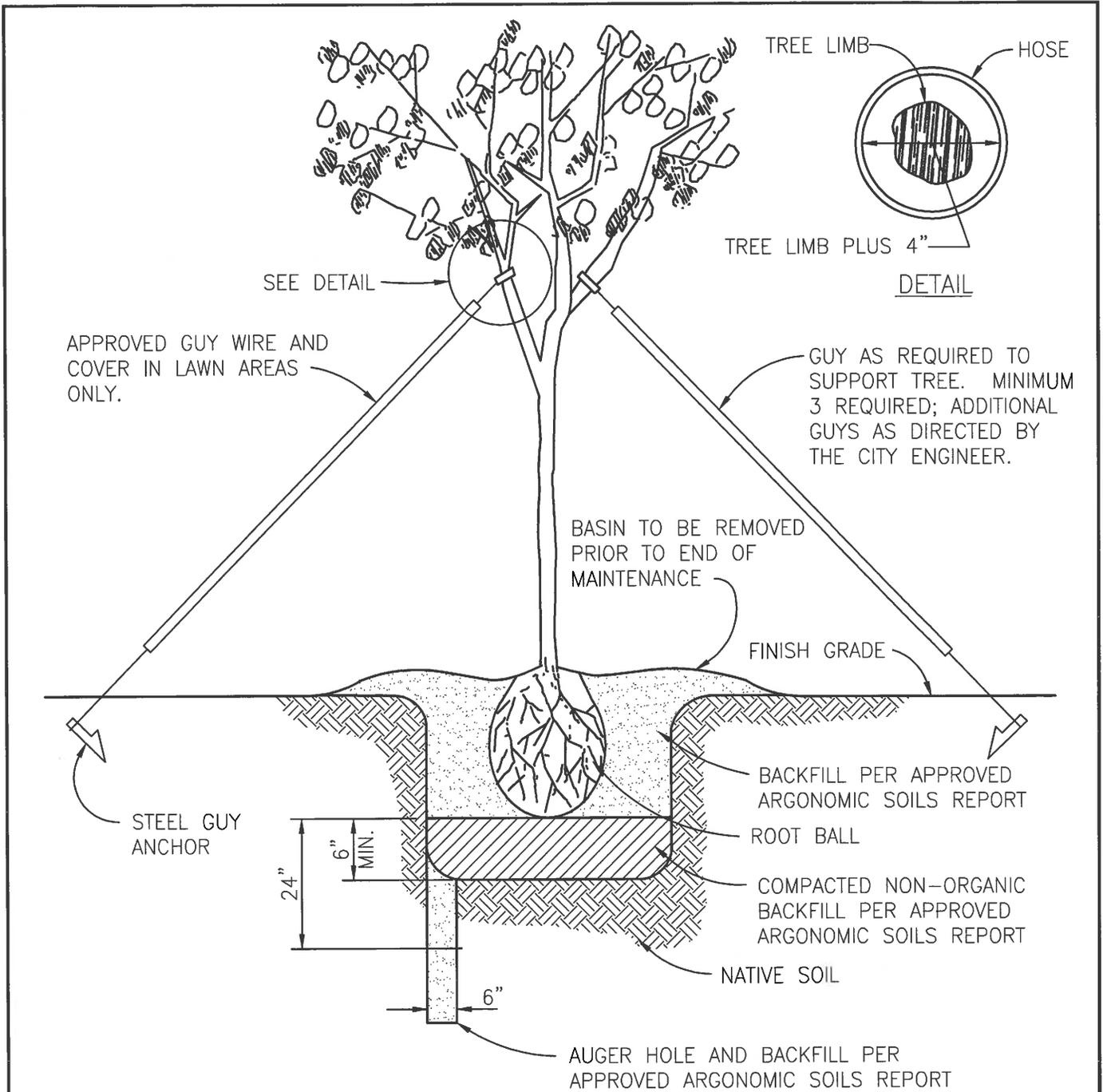


NOTES:

1. BACKFILL MATERIAL SHALL NOT HAVE PARTICLE SIZES GREATER THAN 1/2".
2. PLANT PIT SHALL BE EXCAVATED TO 1-1/2 TIMES THE DEPTH AND 2 TIMES THE DIAMETER OF THE ORIGINAL CONTAINER.
3. DOUBLE STAKE ALL TREES 15 GALLON SIZE AND LARGER UNLESS DIRECTED OTHERWISE BY CITY ARBORIST OR ENGINEER.
4. DOUBLE STAKE SHALL USE STEEL TWIST BRACE.

DRAWING APPROVED – DIRECTOR OF PUBLIC WORKS

CITY OF ROCKLIN ENGINEERING DIVISION	
TREE PLANTING – DOUBLE STAKE	
SCALE: NONE	DWG #
DATE: DECEMBER 2015	9-3
DRAWN BY: J. PINKHAM	



NOTES:

1. GUYING OF TREES MUST RECEIVE PRIOR APPROVAL BY THE CITY ENGINEER.
2. PLANT PIT SHALL BE EXCAVATED TO 1-1/2 TIMES THE DEPTH AND 2 TIMES THE DIAMETER OF THE ORIGINAL CONTAINER.
3. PLANTING TABLETS SHALL BE INSTALLED PER THE SPECIFICATION.

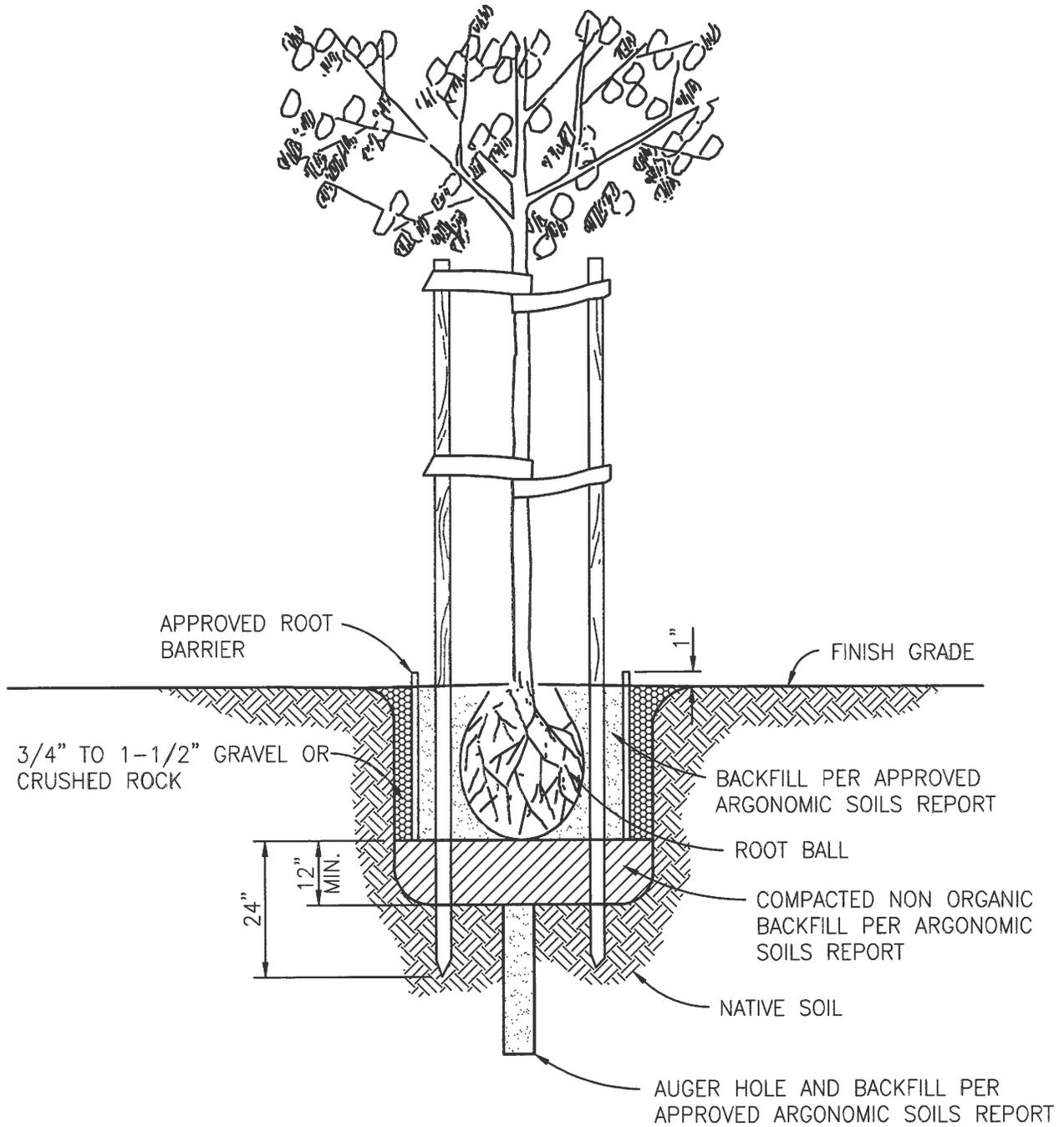
DRAWING APPROVED -- DIRECTOR OF PUBLIC WORKS

**CITY OF ROCKLIN
ENGINEERING DIVISION**

TREE GUYING

**SCALE: NONE
DATE: DECEMBER 2015
DRAWN BY: J. PINKHAM**

**DWG #
9-4**

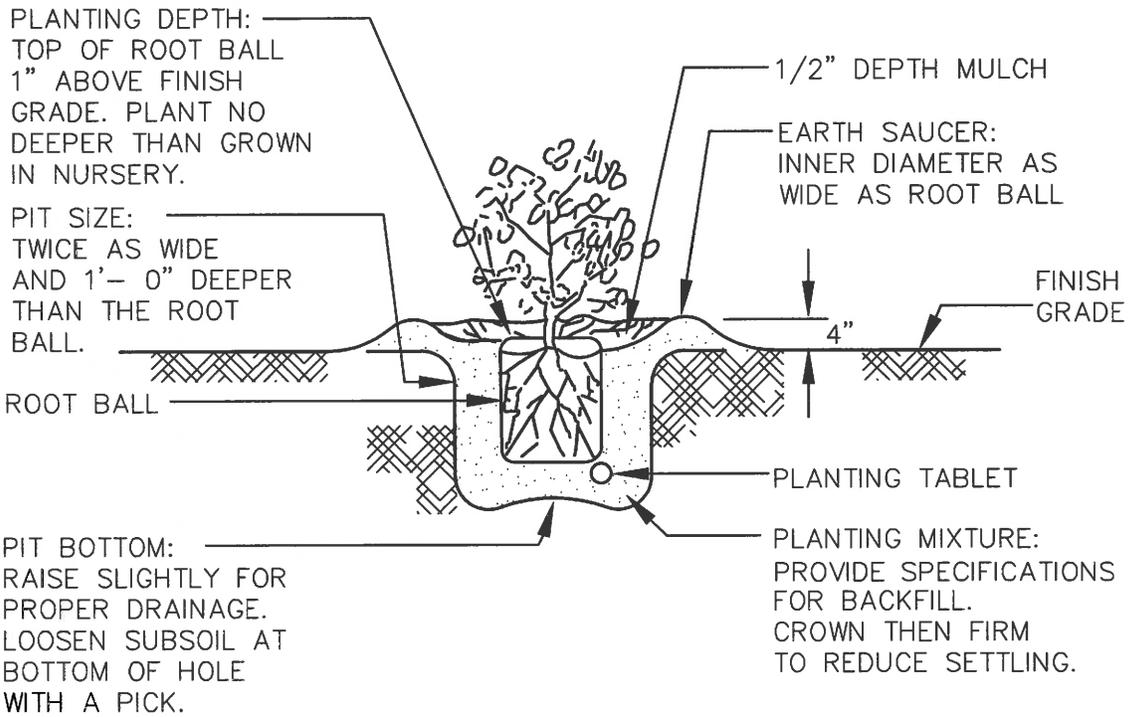


NOTE:
 1) DOUBLE STAKE SHALL USE STEEL TWIST BRACE.

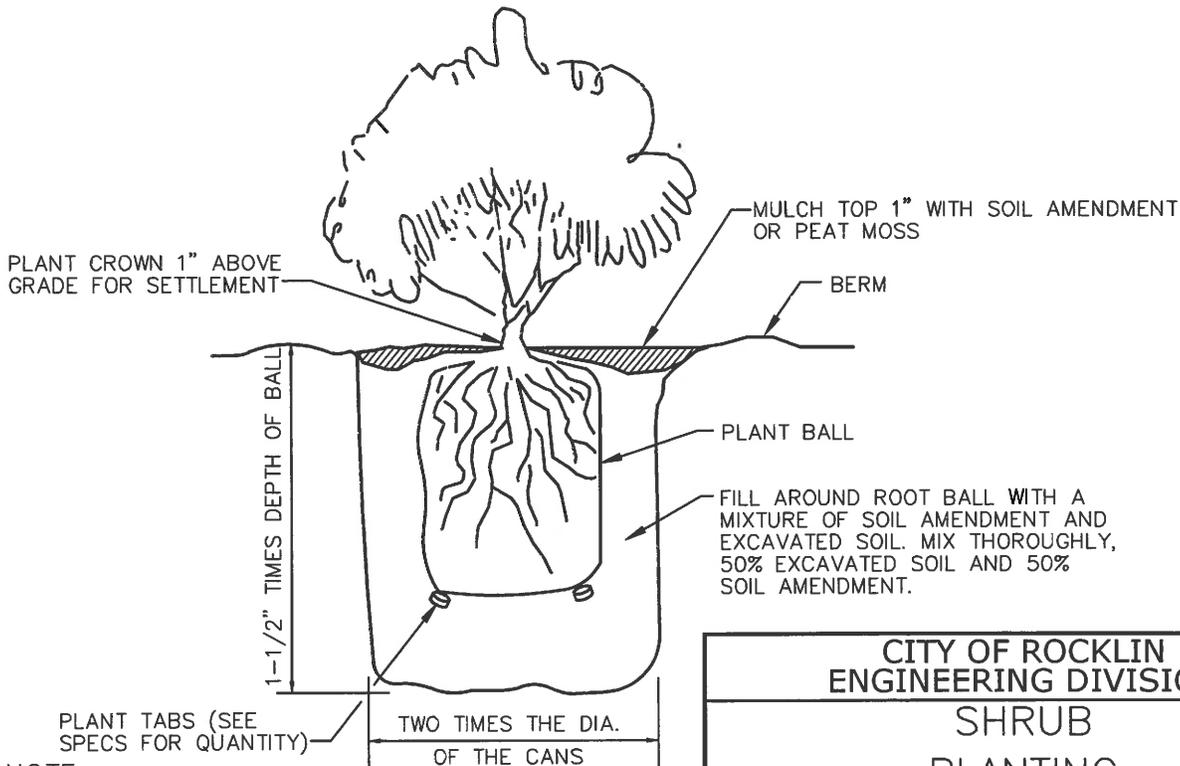
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DRAWING APPROVED – DIRECTOR OF PUBLIC WORKS

CITY OF ROCKLIN ENGINEERING DIVISION	
ROOT BARRIER PLANTER BOX	
SCALE: NONE DATE: DECEMBER 2015 DRAWN BY: J. PINKHAM	DWG # 9-5



- PROVIDE CITY WITH PLANTING MIXTURE SPECIFICATIONS
- PLANTER AREA SHOULD HAVE PRE-EMERGENT HERBICIDE APPLIED BEFORE PLANTING TO PREVENT GERMINATION OF WEED SEEDS.

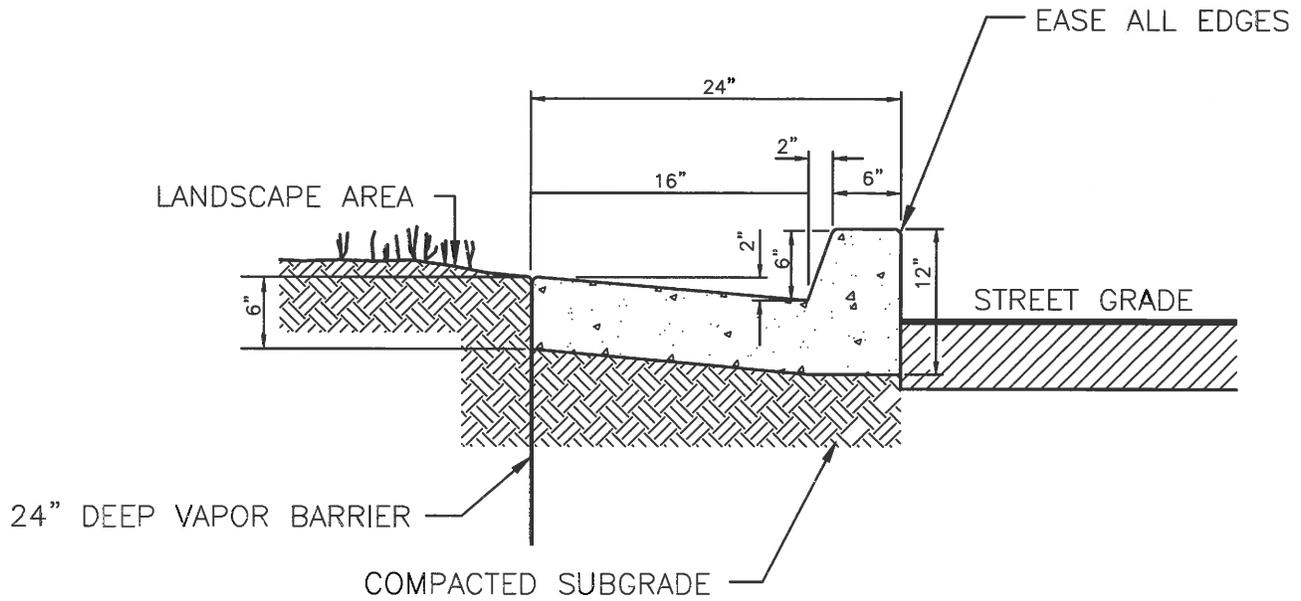


NOTE:
SEE SPECIFICATION FOR SOIL AMENDMENT

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DRAWING APPROVED - DIRECTOR OF PUBLIC WORKS

CITY OF ROCKLIN ENGINEERING DIVISION	
SHRUB PLANTING DETAIL	
SCALE: NONE	DWG #
DATE: AUGUST 2015	9-6
DRAWN BY: J. PINKHAM	

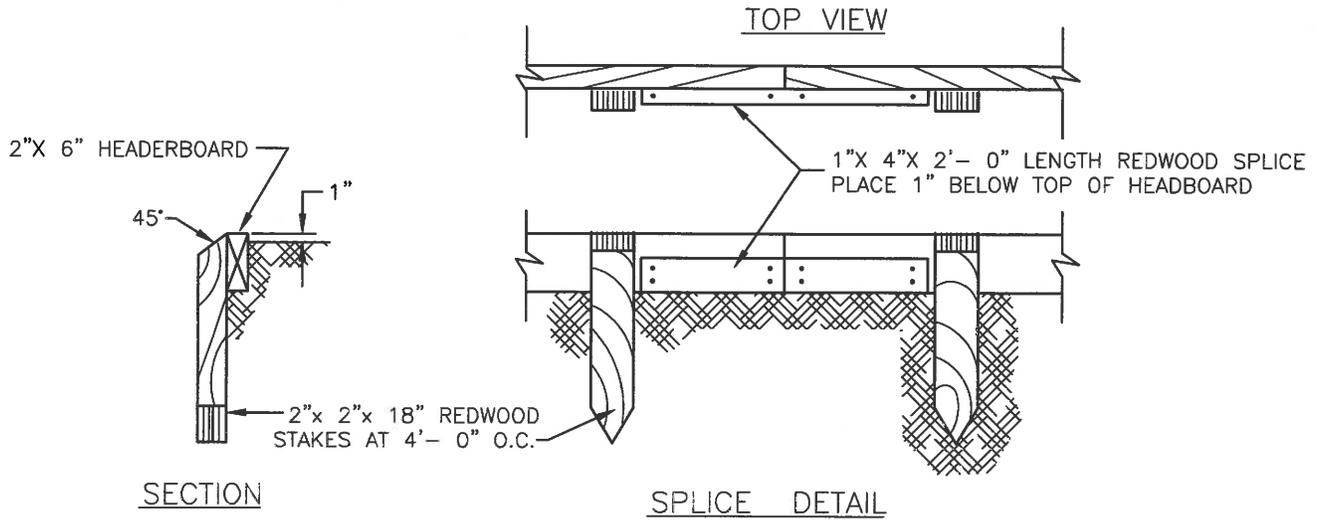


NOTES

1. PROVIDE SCORE JOINTS AT 10'-0" O.C. AND 3/8" BITUMINOUS FELT EXPANSION JOINTS AT 20'-0" O.C. WITH MASTIC SEALANT.
2. APPLY A PRE-EMERGENT HERBICIDE BENEATH GUTTER WITHIN MEDIANS.

[Signature]
 DRAWING APPROVED - DIRECTOR OF PUBLIC WORKS

CITY OF ROCKLIN ENGINEERING DIVISION	
CONCRETE LANDSCAPING GUTTER	
SCALE: NONE	DWG #
DATE: AUGUST 2015	9-7
DRAWN BY: J. PINKHAM	

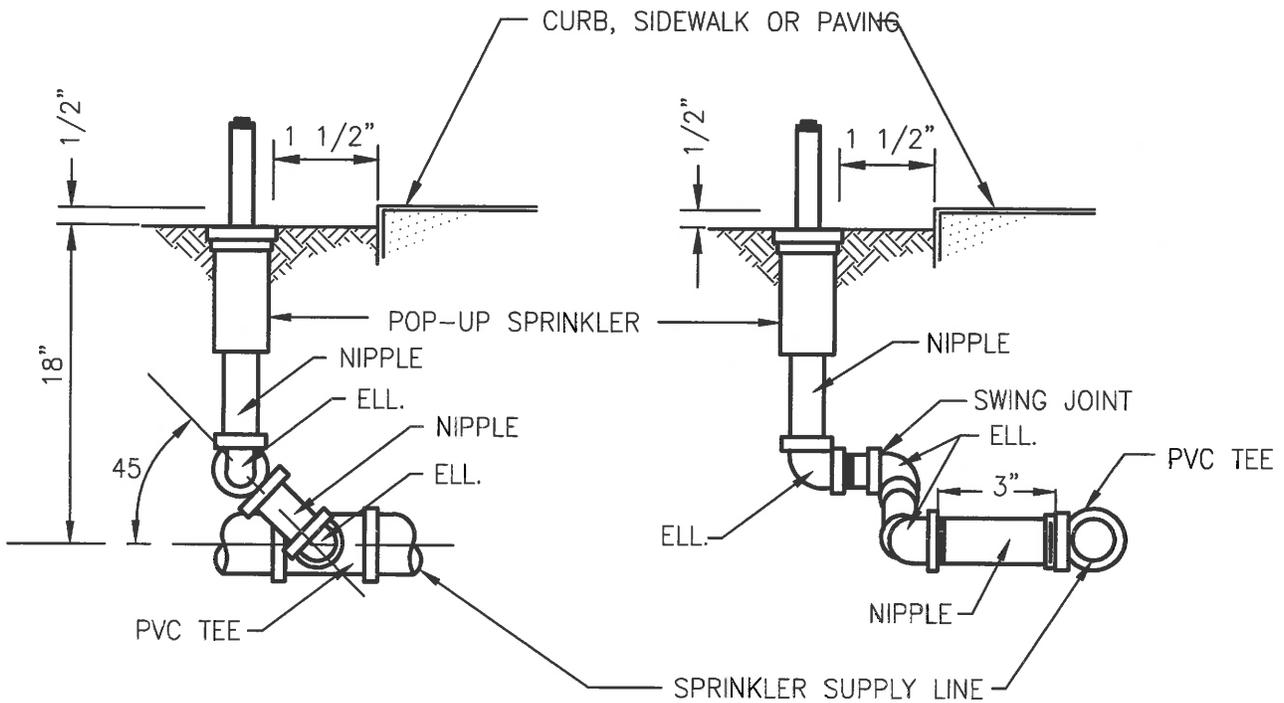


NOTES:

1. USE 2- 1"X 6" REDWOOD ON ALL CURVES (WHERE NECESSARY).
2. INSTALL ALL STAKES AND SPLICES ON PLANTING SIDE OF HEADER BOARD.
3. ALL NAILS SHALL BE GALVANIZED.
4. ALL LUMBER SHALL BE REDWOOD, ROUGH CONSTRUCTION HEART GRADE IN ACCORDANCE TO CALIFORNIA REDWOOD ASSOCIATION GRADING RULES.

DRAWING APPROVED – DIRECTOR OF PUBLIC WORKS

CITY OF ROCKLIN ENGINEERING DIVISION	
REDWOOD HEADERBOARD DETAIL	
SCALE: NONE DATE: AUGUST 2015 DRAWN BY: J. PINKHAM	DWG # 9-8

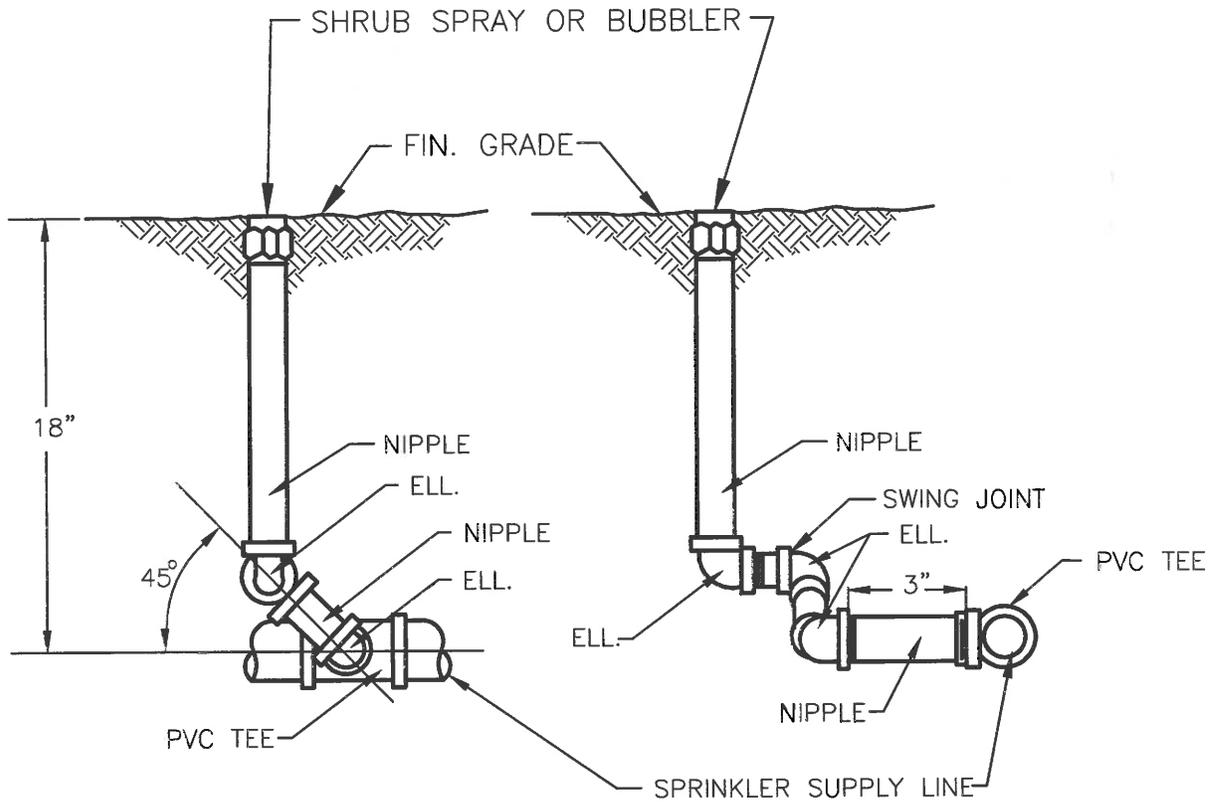


NOTES:

1. HEAD TO BE INITIALLY INSTALLED AT FINISHED GRADE.
2. PIPING & FITTING FROM LATERAL LINE TO SPRINKLER HEAD INLET TO BE SAME SIZE AS THE SPRINKLER INLET OPENING.
3. ALL THREADED FITTINGS SHALL BE INSTALLED USING A NON-HARDENING SEALANT COMPATABLE WITH PVC.
4. SWING JOINT SHALL BE PVC SCHEDULE 80 AND PVC SCHEDULE 40 FITTINGS.

DRAWING APPROVED – DIRECTOR OF PUBLIC WORKS

CITY OF ROCKLIN ENGINEERING DIVISION	
POP-UP LAWN SPRINKLER	
SCALE: NONE	DWG #
DATE: DECEMBER 2015	9-9
DRAWN BY: J. PINKHAM	



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DRAWING APPROVED – DIRECTOR OF PUBLIC WORKS

CITY OF ROCKLIN
ENGINEERING DIVISION

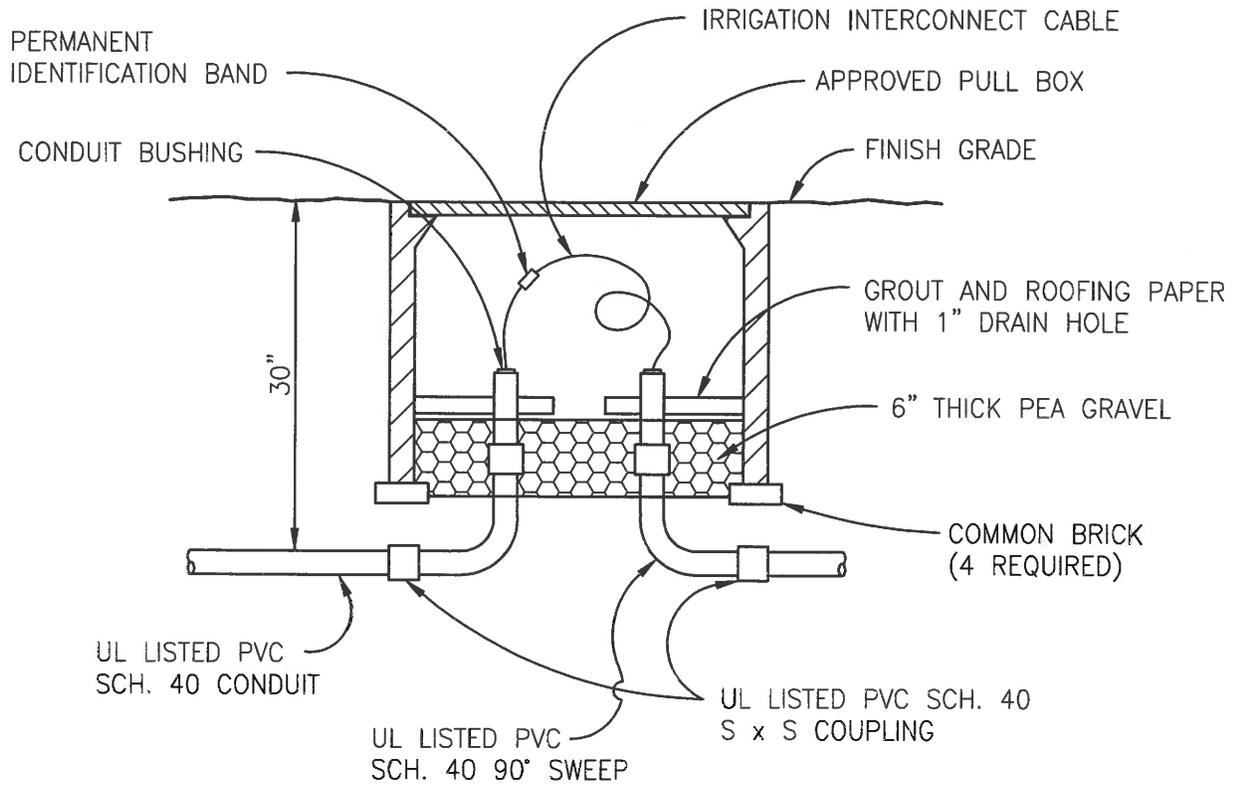
BUBBLER
BELOW
GRADE

SCALE: NONE
DATE: AUGUST 2015
DRAWN BY: J. PINKHAM

DWG #
9-10

NOTES:

- 1) SWING JOINT SHALL BE PVC SCHEDULE 80 NIPPLES AND PVC SCHEDULE 40 FITTINGS.



NOTE:

1. THE ENDS OF THE CONDUIT SHALL BE CAPPED UNTIL PULLING OF CONDUCTORS IS STARTED.

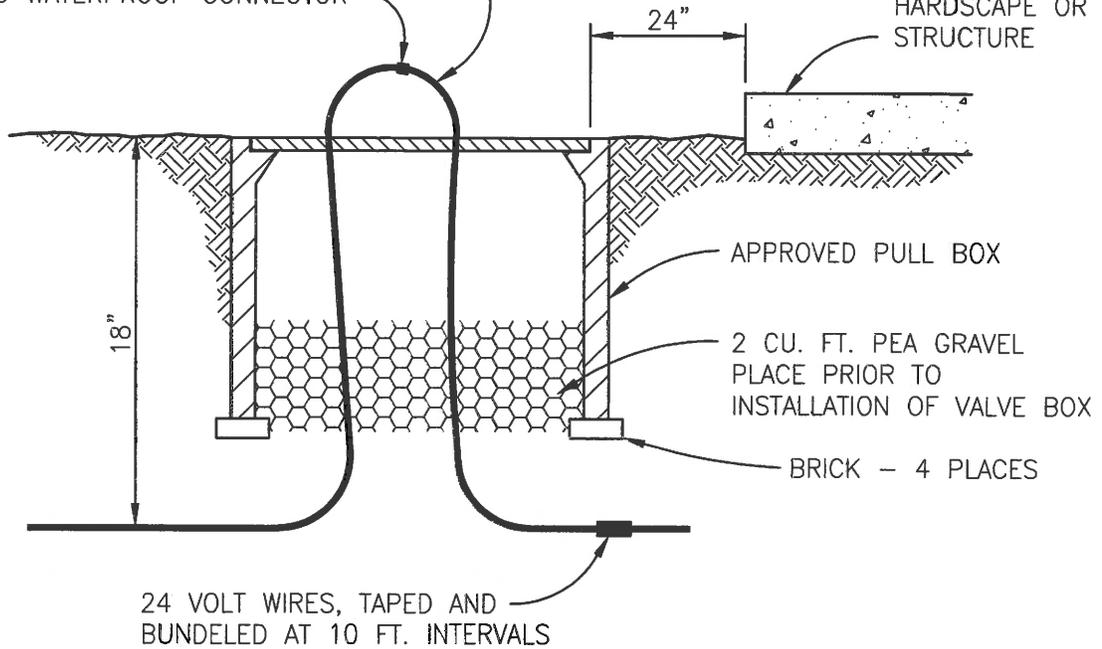
[Handwritten Signature]

DRAWING APPROVED – DIRECTOR OF PUBLIC WORKS

CITY OF ROCKLIN ENGINEERING DIVISION	
PULL BOX	
SCALE: NONE	DWG #
DATE: MARCH 2006	9-11
DRAWN BY: J. PINKHAM	

WIRE SERVICE LOOP (LOOP ENOUGH WIRE TO EXTEND WIRE BUNDLE 6" ABOVE GRADE)

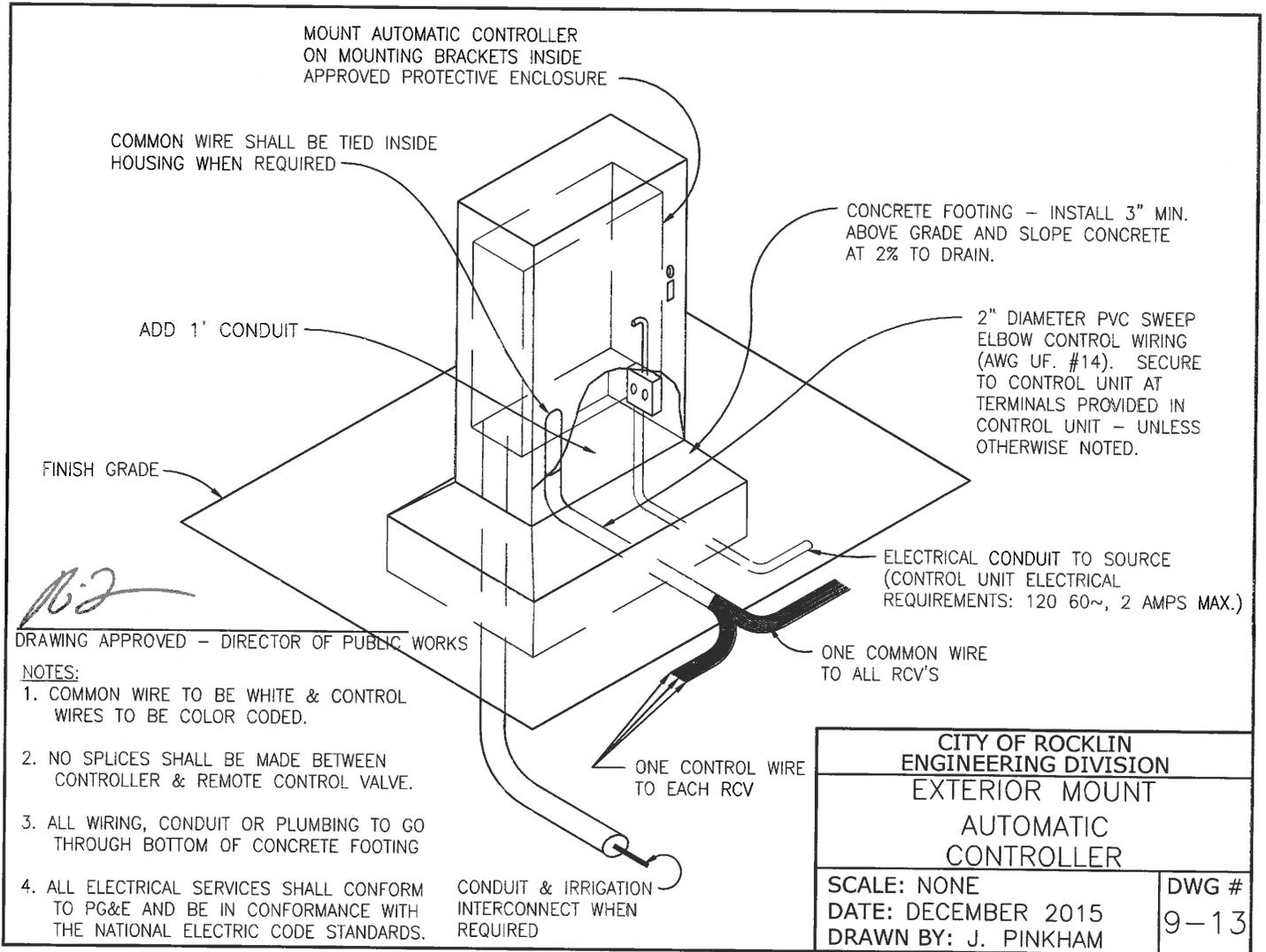
APPROVED WATERPROOF CONNECTOR

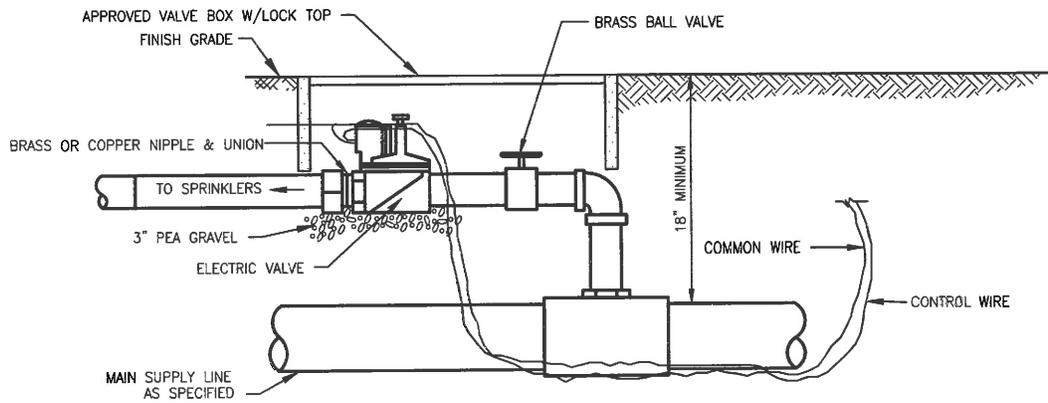


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DRAWING APPROVED - DIRECTOR OF PUBLIC WORKS

CITY OF ROCKLIN ENGINEERING DIVISION	
24 VOLT SPLICE BOX	
SCALE: NONE	DWG #
DATE: AUGUST 2015	9-12
DRAWN BY: J. PINKHAM	



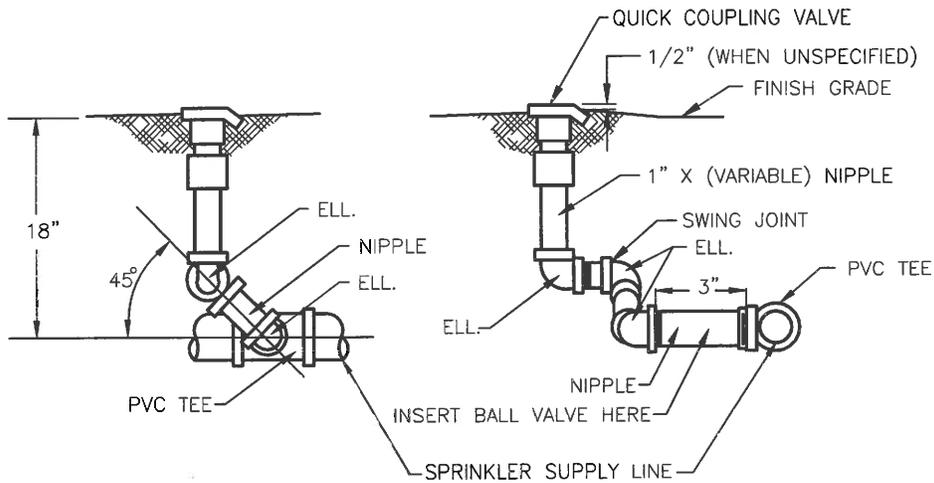


J.P.
 DRAWING APPROVED - DIRECTOR OF PUBLIC WORKS

NOTE:

ALL MATERIAL SPECIFICATIONS SUCH AS TYPE OF SPRINKLER EQUIPMENT, PIPE, FITTINGS CONDUIT, WIRING, VALVE BOXES, RISERS ETC. SHALL BE AS SPECIFIED ON IRRIGATION PLAN.

CITY OF ROCKLIN ENGINEERING DIVISION	
REMOTE CONTROL VALVE	
SCALE: NONE DATE: AUGUST 2015 DRAWN BY: J. PINKHAM	DWG # 9-14

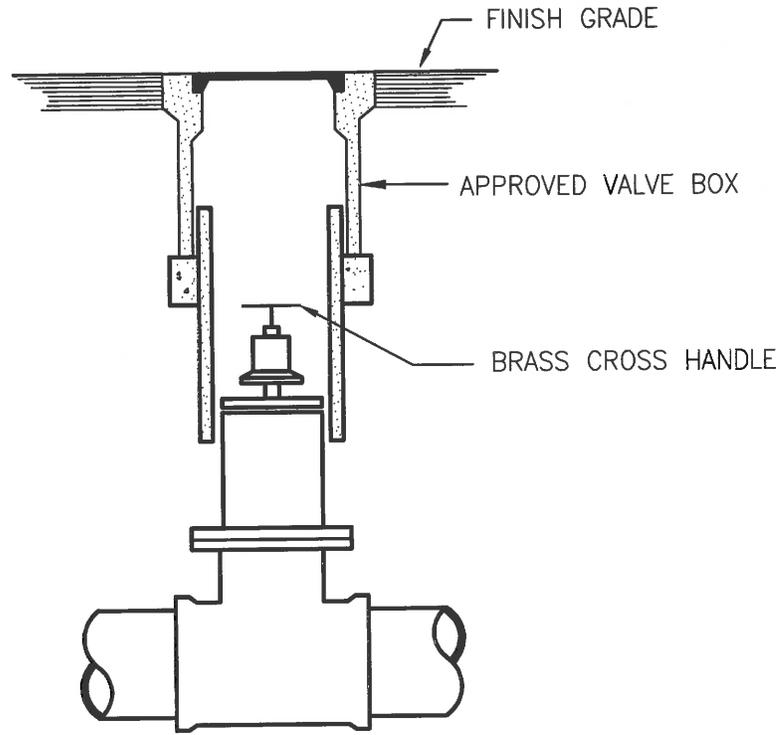


NOTE:

INSTALLATION OF SWING JOINTS SHALL BE ON A 45° ANGLE TO HORIZONTAL.
 ALL PIPES AND FITTINGS SHALL BE BRASS OR PVC SCHEDULE 80 EXCEPT
 AS SPECIFIED ON THE MAIN SUPPLY LINE.

DRAWING APPROVED – DIRECTOR OF PUBLIC WORKS

CITY OF ROCKLIN ENGINEERING DIVISION	
QUICK COUPLER VALVE	
SCALE: NONE	DWG #
DATE: DECEMBER 2015	9-15
DRAWN BY: J. PINKHAM	



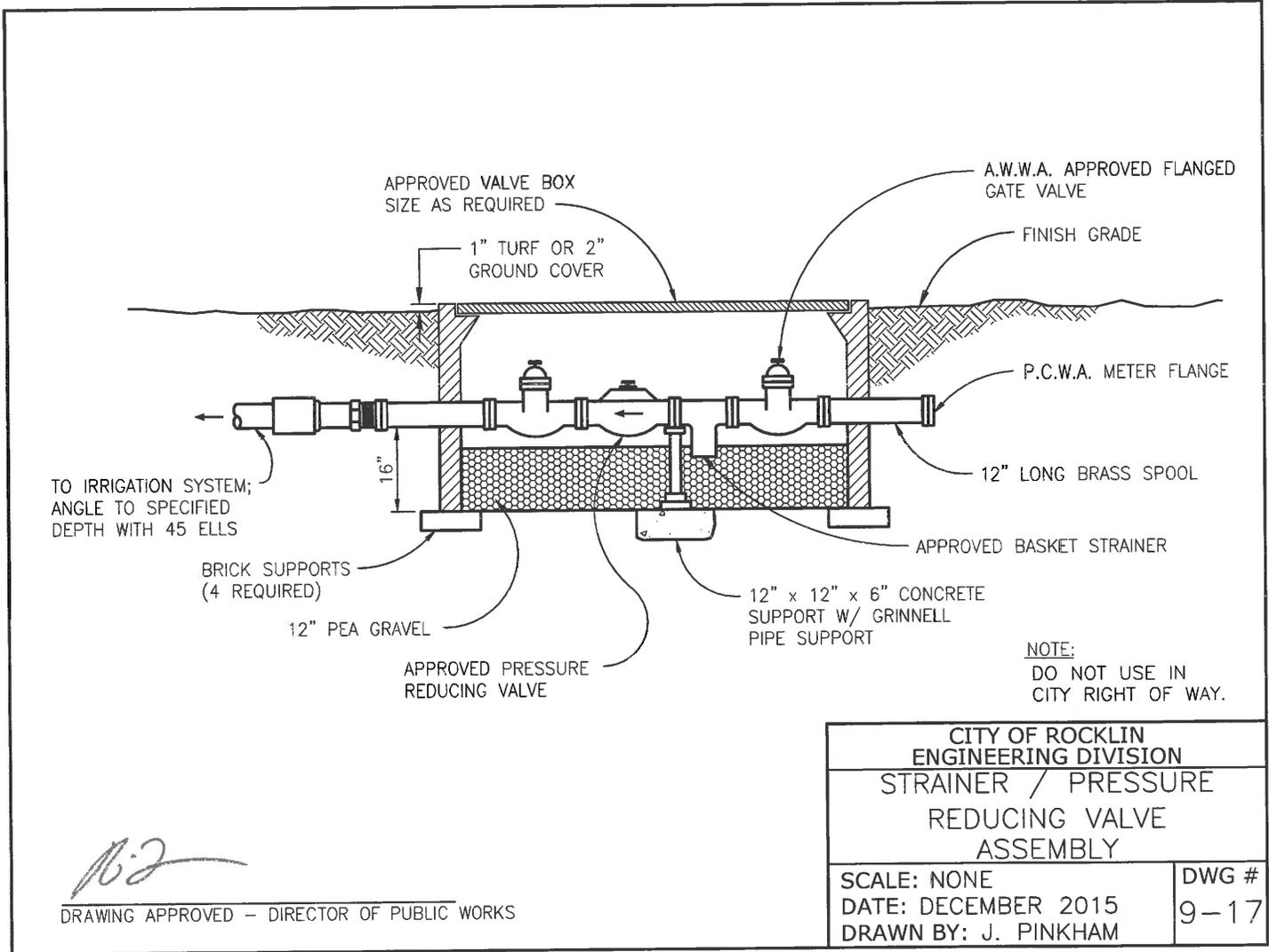
NOTES:

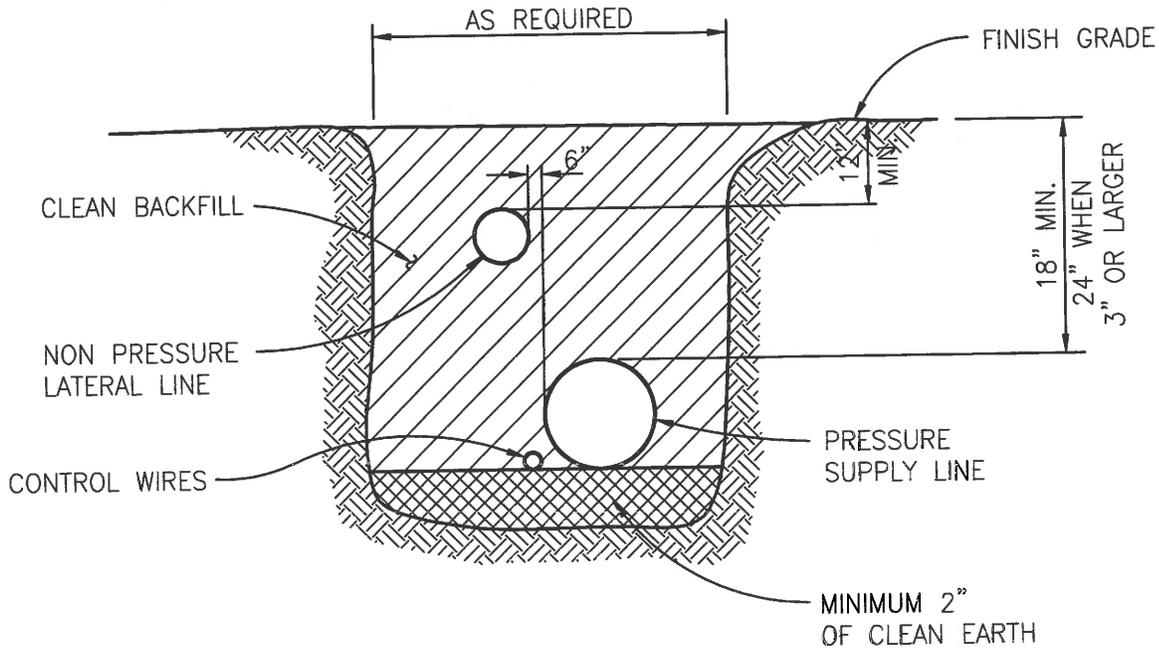
- A. GATE VALVES, 2 INCHES OR SMALLER, SHALL HAVE BRONZE BODIES, RISING STEMS, AND BRASS CROSS HANDLES. GATE VALVES SHALL BE NIBCO CLASS T-113, T-111, THREADED OR APPROVED EQUAL.
- B. GATE VALVES 2-1/4 INCHES AND LARGER SHALL BE AWWA APPROVED AND HAVE FLANGED CONNECTIONS, A 2-INCH SQUARE OPERATING NUT, CAST IRON BODIES, AND HAVE AN ARROW CAST IN METAL INDICATING THE DIRECTION OF WATER FLOW. GATE VALVES SHALL BE NIBCO F-619, SOTCKHAM G-612, KENNEDY 561X, OR APPROVED EQUAL.

162

DRAWING APPROVED - DIRECTOR OF PUBLIC WORKS

CITY OF ROCKLIN ENGINEERING DIVISION	
GATE VALVE	
SCALE: NONE	DWG #
DATE: DECEMBER 2015	9-16
DRAWN BY: J. PINKHAM	





NOTES:

1. BELOW PAVED AREAS, A MINIMUM LAYER OF 6" CLEAN FILL SAND SHALL BE INSTALLED ABOVE AND BELOW PIPING.
2. WHEN USING RECLAIMED WATER, MAINTAIN A MINIMUM 10' HORIZONTAL SEPARATION BETWEEN POTABLE AND RECLAIMED PRESSURE LINES. WHERE LINES CROSS, PROVIDE PVC SLEEVE FOR POTABLE LINE MIN. 5' EACH SIDE OF RECLAIMED LINE.

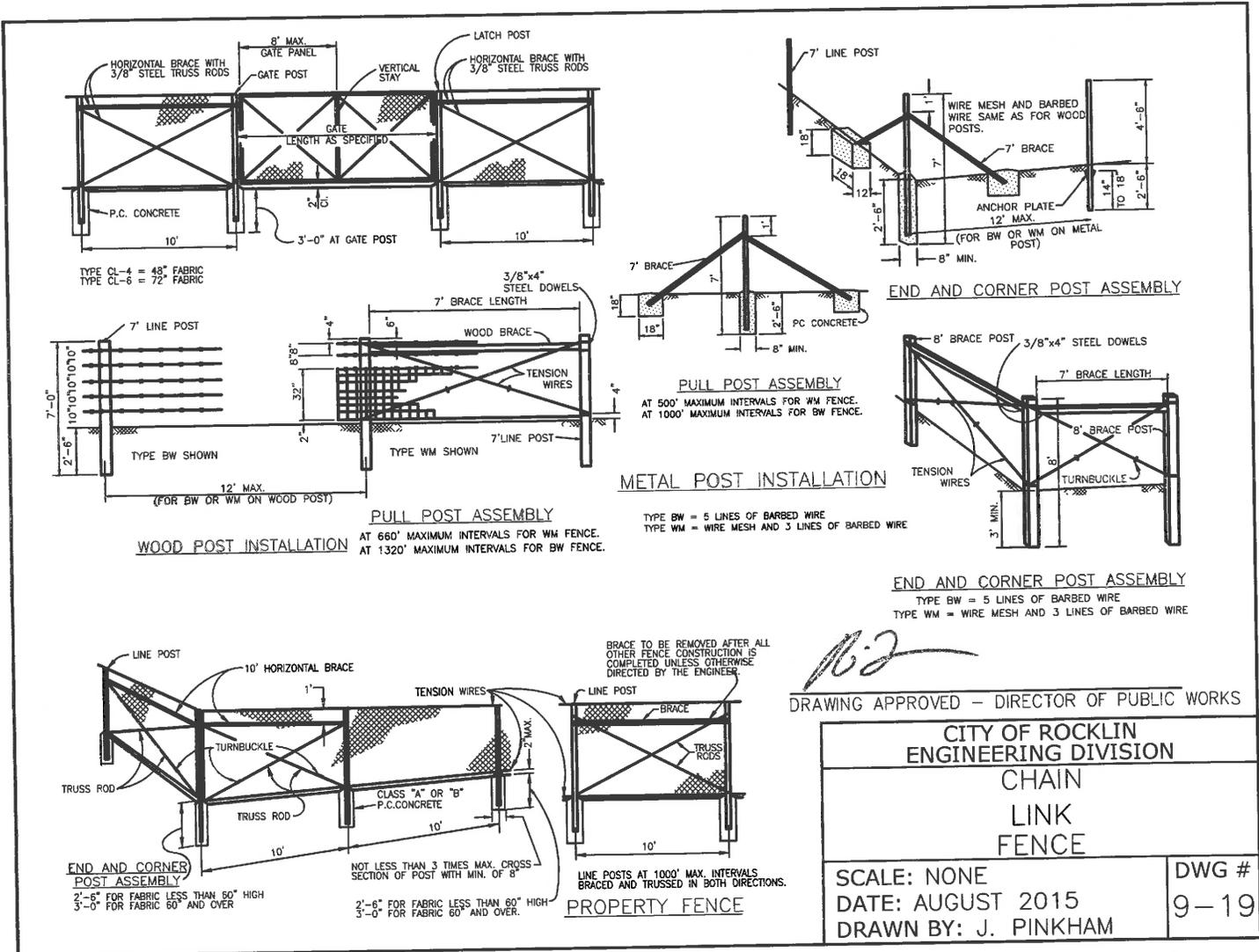
CITY OF ROCKLIN
ENGINEERING DIVISION

PIPE DEPTH
IN
TRENCHES

SCALE: NONE
DATE: AUGUST 2015
DRAWN BY: J. PINKHAM

DWG #
9-18

[Signature]
DRAWING APPROVED - DIRECTOR OF PUBLIC WORKS





City Council Report

Subject: Resolution of the City Council of the City of Rocklin Approving and Authorizing the City Manager to execute a Professional Services Agreement with Kimley-Horn & Associates for the Engineering Design Services and Right of Way Services for the Rocklin Road at Pacific Street Roundabout.

Submitted by: Rick Forstall, Director
Justin Nartker, Deputy Director (Presenter)

Date: July 26, 2016

Department: Public Services

Reso. No. 2016-

Staff Recommendation: It is recommended that the City Council approve a resolution approving and authorizing the City Manager to execute a Professional Services Agreement with Kimley-Horn & Associates for the Engineering Design Services and Right of Way Services for the Rocklin Road at Pacific Street Roundabout.

BACKGROUND:

Staff has evaluated the intersection of Rocklin Road/Pacific Street to determine the future operational capacity of the existing traffic signal and what mitigation opportunities could be implemented to ensure an acceptable level of service assuming a buildout horizon.

The intersection was analyzed using the current (adopted) General Plan Land Use traffic volumes (Rocklin LU) for a design year of 2035. The existing traffic signal is projected to operate at an overall unacceptable level of service "E" by this time frame with the vehicle approaches at Rocklin Road reaching a level of service "F". Significant road widening to accommodate additional left and right turn movements would be required at this intersection in order to achieve an acceptable level of service in the future. The right of way requirements for these improvements would adversely affect existing businesses and resultant right of way acquisitions would most likely require the purchase and demolition of existing structures.

As a result, staff completed a preliminary feasibility study to determine the operational, constructability and right of way impacts of a potential roundabout at the intersection of Rocklin Road and Pacific Street. A two lane roundabout will operate acceptably through 2035 based on an overall intersection level of service of "C". Some extended queuing is expected in the westbound Rocklin Road and southbound Pacific Street approaches but these queue lengths would not impact adjacent signalized intersections. The potential for queue spillback into the roundabout due to long freight trains was also evaluated and it was determined that it would not impact the operation of the roundabout.

On June 28, 2016, the City Council approved the FY 2016-2017 budget along with Resolution No. 2016-167 which approved the 2016-2020 Capital Investment Plan. Included in the plan was the “Pacific Street at Rocklin Road Roundabout Project”, constructing a roundabout at the intersection of Rocklin Road and Pacific Street with the design taking place starting in FY 2016-2017.

Staff is moving forward with the project and advertised a Request for Proposal (RFP) for Engineering Design and Right of Way Services. It is included in the 2016-2020 Capital Investment Plan and the FY 2016-2017 Budget that that was approved at the June 28, 2016 City Council Meeting.

FINDINGS, CONCLUSIONS & RECOMMENDATIONS:

Findings:

- Staff has evaluated the intersection of Rocklin Road/Pacific Street to determine the operational capacity of the existing traffic signal and what could be implemented to ensure a continued acceptable level of service.
- Significant road widening and right of way acquisition affecting existing structures would be required at this intersection in order to achieve an acceptable level of service now and in the future.
- A two lane roundabout will operate acceptably, currently and in the future
- On March 3, 2016, staff advertised a Request for Proposal (RFP) for Engineering Design and Right of Way Services for the Rocklin Road at Pacific Street Roundabout. Two responses were received and after the proposals were reviewed and ranked (see below), staff selected Kimley-Horn & Associates based on the submitted proposal.

Engineering Firms	Average Ranking	Base Cost
Kimley-Horn & Associates	272	\$299,602.72
Omni Means	255	\$355,008.04

- Staff reviewed the proposal and negotiated with Kimley-Horn & Associates making minor changes and adding two optional services for environmental testing that brings the cost to \$328,819.16.
- The resolution establishes the City Manager’s change order authority at 15%.
- Design is estimated to begin mid-June and completed in the winter of 2017.

Conclusions:

- Kimley-Horn & Associates is recommended as the preferred firm. Their fee for the proposed design plus a 15% contingency is \$378,142.03.

Recommendations:

- Staff recommends approving the professional services agreement for the tasks given in the consultant's Scope of Services.

Fiscal Impact: The cost of the design services is \$328,819.16, including the 15% contingency for a not to exceed amount of \$378,142.03. The design will be funded out of CMAQ (240) and SB325 (210) and has been included in the both the 2016-2020 Capital Investment Plan and FY 2016-2017 budget that was approved at the June 28, 2016 City Council Meeting.



Ricky A. Horst, City Manager
Reviewed for Content



DeeAnne Gillick, City Attorney
Reviewed for Legal Sufficiency

RESOLUTION NO. 2016-

RESOLUTION OF THE CITY COUNCIL
OF THE CITY OF ROCKLIN
APPROVING AND AUTHORIZING THE
CITY MANAGER TO EXECUTE A PROFESSIONAL SERVICES
AGREEMENT WITH A LICENSED DESIGN PROFESSIONAL FOR THE ENGINEERING DESIGN
SERVICES AND RIGHT OF WAY SERVICES FOR THE ROCKLIN ROAD AT PACIFIC STREET
ROUNDBOUT
(Kimley-Horn & Associates)

The City Council of the City of Rocklin does resolve as follows:

Section 1. The City Council of the City of Rocklin hereby approves and authorizes the City Manager to execute a Professional Services Agreement, in the form substantially attached hereto as Exhibit 1 and by this reference incorporated herein.

Section 2. The City Manager is hereby authorized to execute the Agreement in substainally the form attached hereto as Exhibit A and incorporated herein by this reference, for Design Services and Right of way Services for the Rockllin Road at Pacific Street Roundbout.

Section 3. The City Council hereby establishes the City Manager’s Change Order Authority to 15% of the contract amount.

PASSED AND ADOPTED this 26th day of July, 2016, by the following vote:

AYES: Councilmembers:

NOES: Councilmembers:

ABSENT: Councilmembers:

ABSTAIN: Councilmembers:

Gregory A. Janda, Mayor

ATTEST:

Barbara Ivanusich, City Clerk

EXHIBIT 1

PROFESSIONAL SERVICES AGREEMENT

THIS AGREEMENT is made at Rocklin, California, as of July 27, 2016, by and between the City of Rocklin, a municipal corporation ("City"), and Kimley-Horn & Associates ("Consultant"), who agree as follows:

1. **Services.** Subject to the terms and conditions set forth in this Agreement, Consultant shall provide the services described in Exhibit A. Consultant shall provide said services at the time, place, and in the manner specified in Exhibit A.

2. **Payment.** City shall pay Consultant for services rendered pursuant to this Agreement at the time and in the amount set forth in Exhibit B. The payment specified in Exhibit B shall be the only payment made to Consultant for services rendered pursuant to this Agreement. Consultant shall submit all billings for said services to City in the manner specified in Exhibit B; or, if no manner be specified in Exhibit B, then according to the usual and customary procedures which Consultant uses for billing clients similar to City.

3. **Facilities, Equipment and Other Materials, and Obligations of City.** Except as set forth in Exhibit C, Consultant shall, at its sole cost and expense, furnish all facilities, equipment, and other materials which may be required for furnishing services pursuant to this Agreement. City shall furnish Consultant only those facilities, equipment, and other materials, and shall perform those obligations listed in Exhibit C according to the terms and conditions set forth in Exhibit C.

4. **General Provisions.** The general provisions set forth in Exhibit D are part of this Agreement. Any inconsistency between said general provision and any other terms or conditions of this Agreement shall be controlled by the other term or condition insofar as it is inconsistent with the general provisions.

5. **Exhibits.** All exhibits referred to herein are attached hereto and by this reference incorporated herein.

6. **Time for Performance.** Time is of the essence, and, subject to City's compliance with Exhibit C and to the provisions of paragraph 3 of Exhibit D, failure of Consultant to perform any services within the time limits set forth in Exhibit A shall constitute material breach of this contract.

Executed as of the day first above stated:

CITY OF ROCKLIN
A Municipal Corporation

By: _____
Ricky A. Horst
City Manager

CONSULTANT

By: _____

APPROVED AS TO FORM:

DeeAnne Gillick
City Attorney

ATTEST:

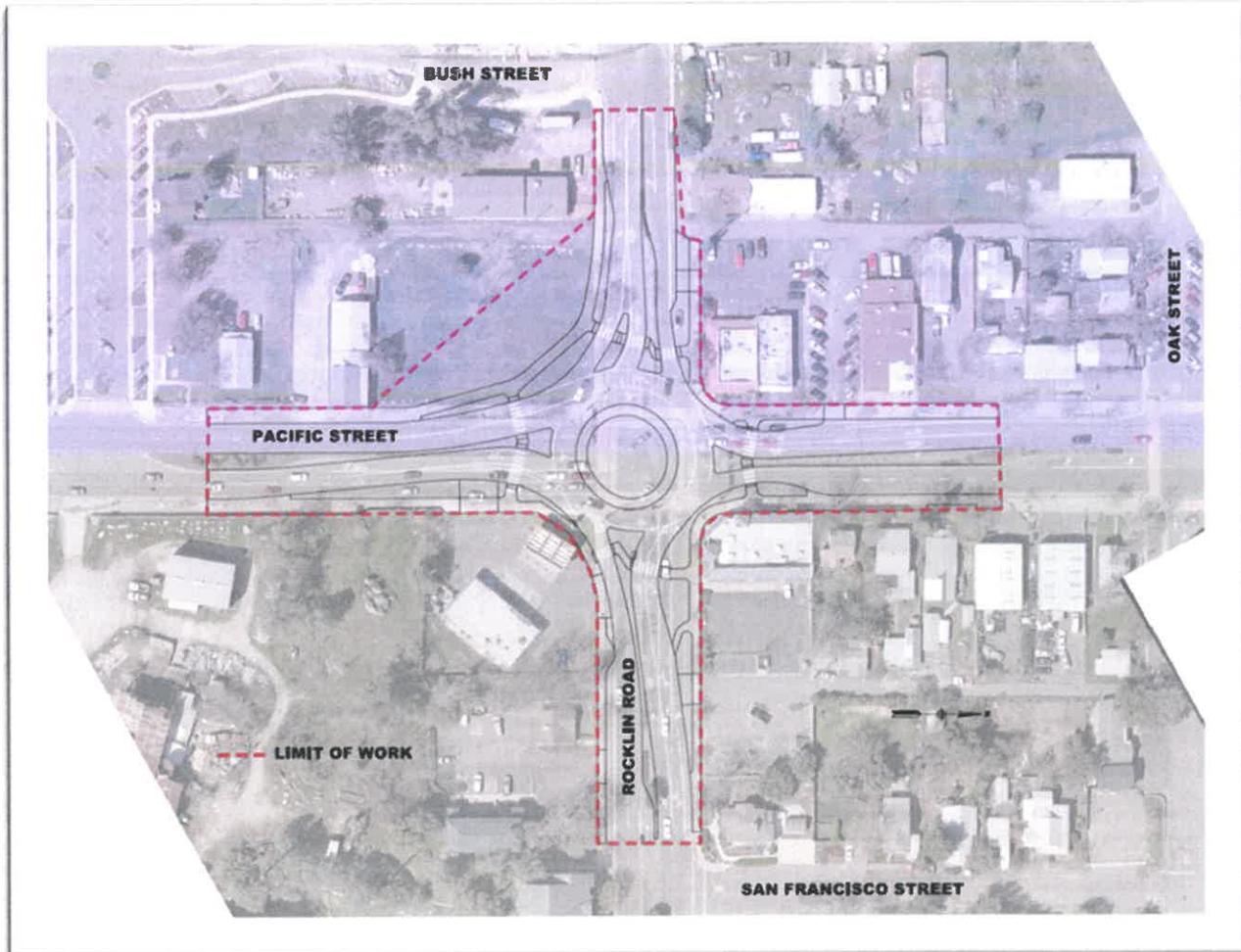
Barbara Ivanusich
City Clerk

**EXHIBIT A
SCOPE OF SERVICES**

**Work Plan
Rocklin Road at Pacific Street Roundabout**

Unless noted otherwise, the project limits are assumed to extend up to 300 feet from the study intersection on each leg. Figure 1 illustrates the approximate limits of work described in the following work plan.

The following work plan assumes a total contract duration of 18-months for completing Tasks 1 through 8. Construction support services are not a part of this work plan.



TASK 1.**PROJECT MANAGEMENT, COORDINATION AND DOCUMENTATION**

This task includes the management of the project from initiation through completion of this project phase. The services provided include project initiation, planning, administration, coordination, attending meetings, and quality control.

1.1 Project Coordination

The Kimley-Horn Project Manager and Project Engineer will supervise, coordinate and monitor planning and design of the Project for conformance with appropriate standards and policies established by the project team at the beginning of the project. Kimley-Horn will coordinate with the City of Rocklin and project stakeholders as requested. An initial budget has been established for this task. Requested coordination with stakeholders exceeding the initial budget will be completed on a time and materials basis.

1.2 Project Administration

Kimley-Horn staff's administration efforts include initial development and maintenance of project schedule, work plan, filing system and processing timely invoices/progress reports. We will create and maintain a simplified critical path method (CPM) schedule, updating it as deemed appropriate by Kimley-Horn and the City to manage the project.

1.3 Client Coordination Meetings

Kimley-Horn will attend up to 12 (assumed 1 per month for 12 months) client coordination meetings (or participate in conference calls) such as project/design coordination and/or progress review meetings with other stakeholders. An initial budget has been established for this task. Requested coordination meetings exceeding the initial budget will be completed on a time and materials basis.

1.4 Quality Assurance /Quality Control and Constructability

Kimley-Horn follows a structured QA/QC process that will be implemented for the project. We have designated a senior roadway engineer to perform independent reviews ahead of major submittals (30% plans, 60% plans, specifications, and engineer's opinion of probable cost [PS&E], and Draft 100% PS&E). This task also includes time for the QA/QC manager to attend a field visit, either separate or as part of a project kick-off meeting. If requested by the City at project kick-off, Kimley-Horn will preserve milestone independent reviews for review by City staff.

1.5 Utility and Right of Way Coordination

Kimley-Horn team's project manager will participate in the coordination of the utilities and Right of Way with the utility agencies and Caltrans staff to prepare a record of

investigation per Caltrans Utility Coordination Procedures, Caltrans right-of-way certification, and NEPA approval.

1.6 Public Outreach and Council Presentation

The outreach will focus on building awareness of the proposed project and soliciting input at the onset of the planning effort so that issues can be addressed appropriately.

The outreach program is comprised of the following activities:

- *Development of a Contact Database (up to 1,000 contacts):* The database will include impacted property owners and key community stakeholders.
- *Materials (1 postcard, 1 fact sheet):* A postcard invitation will be created and mailed to the contact database. The postcard will highlight the purpose of the meeting and project background. Along with a postcard invite, a one-page fact sheet will be created that will provide key information about the proposed roundabout.
- *Public Open House:* A public open house meeting will be scheduled within the first 4 months following project kick-off. The meeting will offer a forum for interaction between the City, their project team and the public to answer questions and garner feedback.
- *Media Relations Support:* Kimley-Horn team will work closely with Rocklin Public Information Officer Troy Holt to develop a press release for distribution by the City to their established media contacts. Key meeting information will be promoted via the City's social media sites and their website.
- *Council Presentation:* Following the Public Open House, Kimley-Horn will attend one council meeting and present the roundabout concepts developed with staff after the public open house.

Deliverables:

- Meeting minutes
- Monthly invoices and progress reports in accordance with contract requirements.
- Monthly Schedule Reports, and Revised Project Schedule (as changes occur and at key milestones)
- QC/QA check prints and QC documentation of milestone reviews, if requested
- Public outreach and Council presentation.

TASK 2.

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SURVEYING, POTHOLING AND BASE AND RIGHT OF WAY MAPPING

It is assumed that rights of entry will be provided by the City of Rocklin for any property access required for the project studies. It is also assumed that any required encroachment permits required by the City will be provided at no cost.

The Kimley-Horn team will assemble existing, readily available data for the project including existing and planned improvements, utilities, traffic data, right-of-way information, City of Rocklin design guidelines and standards. This information will be used during the preliminary engineering to coordinate the known aspects of the project.

2.1 Control Surveys

CBC Geospatial Consulting, Inc. (CBC) will conduct differential GPS ties to an adequate number of the horizontal and vertical monuments. The North American Datum of 1983 (NAD83), California State Plane Coordinate System, Zone II, will serve as the horizontal datum and the City of Rocklin benchmark network on the National Geodetic Vertical Datum of 1929 (NGVD29) will serve as the vertical datum.

All supplemental topographic surveys, right of way engineering monument ties, landnet generation, and hard copy mapping will be tied from the control established in this effort and will later serve as construction control. A minimum of three project control points shall be listed and shown on the base sheets.

Deliverables:

- A comma-delimited ASCII point file in Point, Northing, Easting, Elevation, Description format of points gathered in the field together with an accompanying control diagram.

2.2 Photogrammetric Mapping/Digital Orthophotography

Aerial mapping will be provided by the City of Rocklin. It is assumed the mapping provided by the City meets photogrammetric mapping standards used for engineering design that will meet or exceed the requirements to generate mapping at a scale of 1" = 40' with 1-foot contour interval. No work will be completed under this task.

2.3 Supplemental Topographic Surveys

CBC crews will conduct supplemental topographic field surveys of areas requiring additional accuracy. Information gathered in the supplemental survey may include but not be limited to: the location of natural ground features and grade breaks; roadway features and striping; existing structures; fences; walls; driveways; control systems; overhead and readily-apparent surface evidence of utilities; storm drain manholes and catch basin pipe sizes and invert elevations; sanitary sewer manhole pipe sizes and invert elevations; water valves, hydrants, meters; signs; poles; streetlights; trees 4-inch

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DBH and larger - trunk and dripline, pathways, painted utility markings, and other pertinent improvements.

Deliverables:

- Integrated digital terrain model composed from aerial and terrestrial topographic mapping with planimetrics at a scale of 1" = 40' with 1-foot contour interval for the project in AutoCAD Civil 3D 2016 format, and a wet-stamped, hard copy set of the project basemapping.

2.4 Right of Way Engineering

After conducting research of surveys and deeds, CBC office personnel shall build a land net from record data, sources of which include: The Placer County Assessor's Parcel Maps; Records of Surveys; Parcel Maps; Final Subdivision Maps; deeds; and preliminary title reports. Ties made to legal survey evidence during the course of conducting the topographic survey will enable incorporating the record land net information into the base mapping for "preliminary" right of way analysis.

Evidence in an intensified boundary survey will be recovered to assure that the land net created from record information is resolved to accurately represent record information, existing documentation, and lines of occupation as they exist on the ground.

CBC will digitally incorporate the resolved land net, and written easements of record into the existing base mapping, enabling the design team to delineate areas where right of way acquisitions will be, if necessary.

Deliverables:

- Digital incorporation of land net compiled from field ties and record data into project basemapping with right of way data on separate layer. List of affected properties including assessor's parcel numbers, owner's name, owner's address, parcel address, and a map locating the affected parcels relative to the proposed project limits;

Assumptions for Tasks 2.4 and 2.5:

- Preliminary Title Reports will be provided as needed;
- Underground Service Alert (USA) will be conducted by the City or at their request;
- All fees for document review and recordation for acquisition documents or Record of Survey shall be borne by the City, and are not included in this proposal.
- Right of way engineering services will be needed for no more than two parcels.

- Preparation of a Record(s) of Survey are not required. Preliminary title reports will be provided by the City.

2.5 Legal Description and Plat

After the design team designates the area for right of way acquisition CBC will then compile from the final land net resolution necessary legal descriptions and plats.

Deliverables:

- This Scope of Work assumes a level of effort to write and prepare a total of two (2) legal descriptions with 8 ½" x 11" plats for right of way acquisition including: 1 draft submittal, 1 set of written comments, and 1 final submittal.

2.6 Utility Mapping and Pothole Investigation

Kimley-Horn will coordinate with the City of Rocklin to identify utility agencies to send initial letters ("A" Letters) to request utility as-built information for the project location. Utility information will be incorporated into the project base mapping by Kimley-Horn. Potential conflict letters ("B" Letters) will be sent out to the appropriate utility agencies to reflect the proposed improvements and to assess the locations of their facilities as incorporated into the base mapping. Potential conflicts will be identified and follow up coordination will be conducted to resolve the conflicts or provide for relocation. New or revised service locations will be coordinated with the various utilities as required. Notice to relocate letters ("C" Letters) will be sent out to the appropriate utility agencies after final design is approved.

Kimley-Horn will use our teaming partner, Arrow Construction to collect pothole data from utilities along the project location. This information will be used in the vertical design of the proposed roundabout. Pothole data will include size, depth and material of known utilities. Up to 10 potholes is assumed.

Deliverables:

- Utility "A" "B "and "C" Letters
- Base mapping of existing facilities including information from the potholing.

TASK 3: PRELIMINARY ENGINEERING

3.1 Traffic Analysis

Kimley-Horn will complete a limited evaluation of opening day and cumulative year traffic volumes and intersection operations for the strict purposes of confirming intersection build-out phasing and lane configurations. This evaluation will largely rely on readily available data contained in the previously prepared traffic operations memoranda and recent traffic count data provided by the City. The following specific efforts are included in this task:

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- Prepare a Sidra® operations analysis of the existing conditions using City-provided April 2016 peak-hour intersection turning movement counts to approximate opening day conditions. This evaluation will apply analysis parameters observed in the previously prepared traffic operations memoranda.
- Using both the opening day and cumulative forecast volumes (to obtained from the traffic operations memoranda), approximate interim year conditions for the purpose of considering phased improvements. These phased improvements will include consideration of capacity reduction along Pacific Street between Rocklin Road and Midas Avenue, as well as the one or more build phases of the roundabout itself as a strategy to minimize and/or delay construction and right-of-way costs. Associated with the potential capacity reduction along Pacific Street between Rocklin Road and Midas Avenue, we will qualitatively consider potential operational issues along the side-streets that may result from this potential change in facility capacity.

The efforts completed in this task will be summarized in a brief technical memorandum to be submitted to the City.

3.1 Preliminary Design and Technical Memorandum

The preliminary design provides a framework to evaluate alignment alternatives and project constraints.

Concept Design

Up to three roundabout concept layouts will be developed in CADD using aerial image and available topographic mapping. Colored, 2d concept renderings will depict critical roundabout features and geometric design elements based on the initial operational analysis. The layouts will include colored pavement markings as well as color coded areas identifying landscape opportunities and restrictions based on estimated sight lines. The design will incorporate basic horizontal and vertical design elements including curb and gutter lines, channelization islands, sidewalks, pedestrian crossing, truck apron and drainage.

Key features evaluated during this phase typically include:

- Channelization
- Size and location relative to right-of-way and geometric constraints
- Alignment of approaches and departures
- Design speed, design vehicle, and sight distance considerations
- Local access impacts
- Comfortable travel for bicyclists and pedestrians
- Continuity for pedestrian travel

If an interim roundabout design is feasible based on traffic analysis described in Task 3.1, the concept designs will illustrate both the interim and ultimate layouts. Phasing strategies will be developed to reduce the potential for throw away costs of constructed infrastructure to accommodate future improvements for the ultimate roundabout.

During the preliminary design the utility conflicts, new utility requests, environmental requirements for NEPA approval and right of way needs will be identified.

Geometric Approval Drawings

Preparation of geometric approval drawings will not begin without written authorization from the City of Rocklin that a preferred roundabout concept has been selected for the intersection.

Kimley-Horn will prepare a roll plot for the roundabout geometric approval drawings (RGAD) based on the approved preferred concept layout, aerial topography, and field survey. The RGAD will extend to the project conform with existing street infrastructure and will establish horizontal and vertical control for critical geometric elements such as curb geometry, lane widths, channelization, lane transitions, pavement markings, illumination, sightlines, and conform conditions. Typical sections of each leg, including the roundabout circulatory roadway and central island will be included. Centerline and curb profiles will be generated to a level sufficient to identify rough grading of the roadway for drainage, and right of way needs. A preliminary contour plan of the finished surface of the roundabout at each location will be prepared as a design check for drainage, right of way, sight line, and driver comfort.

Exhibits will be prepared that identify key roundabout design checks such as design vehicle tracking, fastest path, speed consistency calculations, and sight lines for intersection and stopping sight distances.

The following deliverables are assumed for this task:

- Submittal of draft RGAD in pdf format
- One round of revisions and response to City comments.

The above information will be included in the Technical Memorandum that will be submitted to the City for review and approval.

Deliverables:

- Concept Layouts
- Technical Memorandum
- Geometric Approval Drawings

TASK 4: ENVIRONMENTAL SERVICES

The following environmental scope of work has been developed based on the following key assumptions:

- CEQA compliance document will be prepared by City Staff.
- Supporting technical documents will be developed pursuant to both NEPA and CEQA guidelines as administered by the Department and FHWA.
- One project design alternative is assessed through environmental review.

Our work program will be initiated with the kick-off meeting/discussion which will define the parameters of the analysis, scheduling and understanding of the project. The Kimley-Horn Team will evaluate the necessary information with respect to the project. Project research will include coordination with appropriate City departments to acquire relevant environmental data, previous studies for the area and other available files, exhibits, maps and reference documents. Environmental issues that may require further detailed study or that may delay or affect the viability of the project will be documented.

Task 4.1 Preliminary Environmental Study (PES) Form and Area of Potential Effects (APE) Map

Environmental issues that may require further detailed study are documented in the PES for City / Caltrans concurrence prior to the initiation of the technical study work program. Kimley-Horn will draft a PES Form for City review with respect to the proposed project details. The City review PES Form will be submitted to Caltrans for review and approval. Kimley-Horn will be available for one site visit with Caltrans and the City to review the area and take comments on the PES Form. The Caltrans approved PES form will act as the work scope for the required NEPA compliance documentation.

As part of this task, the Kimley-Horn team will draft the Area of Potential Effects (APE) map for both Archaeology and Historic Architecture in coordination with the City and Caltrans. Once the City has reviewed and approved the APE map, the APE Map will be submitted, with the PES Form, for Caltrans Professionally Qualified Staff (PQS) approval. The APE map will then provide the cultural resources boundaries for the Caltrans PQS-prepared Screened Undertaking, as discussed in Task 2.

Task 4.2 Technical Study Work Program

Kimley-Horn proposes to prepare technical studies in conformance with the National Environmental Protection Act of 1969 (NEPA), pertinent FHWA regulations, Caltrans' *Environmental Handbook*, and the California Environmental Quality Act (CEQA). Kimley-Horn will coordinate with Caltrans staff to formalize the specific content and format requirements for each study.

Based upon our recent projects within Caltrans District 3, a review of the project as presented in the RFP, and a review of the Caltrans PES Form, Kimley-Horn anticipates that air quality can be addressed within the context of the environmental document for construction purposes and would not require a technical study. In addition, the project is exempt from air quality conformity based on 40 CFR 93.126, Table 2, which lists Traffic Control Devices and Operating Assistance Other than Signalization Projects, as exempt from the requirement that a conformity determination be made. The anticipated environmental document is a CEQA Categorical Exemption (CE), prepared by the City, and a NEPA Categorical Exclusion (CatEx). Should Caltrans review the PES Form and require more analysis on the following resources, Kimley-Horn can provide this analysis under a separate scope of work and fee.

The Kimley-Horn Team has developed the following technical study work plan to satisfy the City and Caltrans environmental requirements (*budgets for the following tasks assume responses on two consolidated sets of City / Caltrans review comments*).

Task 4.2.1: Acoustical Analysis

Kimley-Horn's acoustical specialist, j.c. brennan & associates, inc., will analyze potential construction noise and vibration impacts at the nearest residential receptors located approximately 120 feet from the project location. j.c. brennan & associates, Inc. will collect ambient noise monitoring samples using continuous (24-hour) noise monitoring equipment to document existing conditions. A technical report will be prepared addressing the requirements of the City of Rocklin, CEQA, and NEPA.

Task 4.2.2: Hazardous Materials Memorandum

The Initial Site Assessment (ISA) will be prepared in general accordance with the Caltrans ISA guidelines and ASTM Standard E-1527-13. Exceptions in the Phase I standard include: 1) no title searches or property appraisals will be performed for the subject property and vicinity, and 2) no direct interviews of the owners of the subject parcels except for City staff will be performed. Soil sampling and testing will not be performed as part of the Phase I ISA.

A field reconnaissance will be conducted to assess the existing conditions in the vicinity of the Project site to identify any readily observable indications of RECs within the Project limits. WRECO will review available data, including previous studies, Caltrans Bridge Inspection Reports, Resource Conservation and Recovery Act (RCRA) facility inspections and plans, site investigation reports, groundwater monitoring reports, and federal and state record reviews within one mile of the Project site. The available records will be used to determine the potential presence of RECs by previous land use and any historic operations that have had a high probability of RECs. This research will also be used to help support the absence of RECs.

Task 4.2.3: Biological Resources Memorandum

Kimley-Horn's biologist, WRECO, will perform online research and data collection, as well as provide technical assistance to the City. Methods will include, but are not limited to, record searches from U.S. Fish and Wildlife Service (USFWS) Species List with updates as needed, National Marine Fisheries Service (NMFS), and California Department of Fish and Wildlife (CDFW). Review of existing literature and other environmental documents will be conducted, as available. WRECO will also coordinate with any jurisdictional agencies, as necessary.

WRECO will provide mapping and supporting figures as required to supplement analysis provided in the biological technical memorandum. The technical memorandum will be based on templates and guidance available from Caltrans. Prior to submitting to the City and Caltrans for review comments, WRECO will perform a technical review and quality control of the draft BRS. Upon receiving the City's and Caltrans' comments, WRECO will provide written responses to comments and revise the draft document for final submittal.

Task 4.2.4: Cultural Resources

Pre-Field Research and Literature Review: Research will be conducted to determine if previous investigations have been conducted within the study area and the types of resources likely to be encountered within the study area. The research will begin with a records search conducted at the Northwest Information Center (NWIC) located at California State University, Sacramento. The records search will include a search of previous studies and identified cultural resources within the project area and a 1/2-mile radius. Additional resources available online or within InContext's cultural resources library will be reviewed to determine the types of resources and the likelihood for their presence within the study area.

Assistance with AB52 Compliance: The Kimley-Horn team will prepare and submit a request to the Native American Heritage Commission (NAHC) to check their Sacred Lands File for Native American resources that may be affected by the project and for a list of tribes that may want to consult with the City in regard to the identification of Tribal Cultural Resources for AB52.

Upon receipt of the requested information from the NAHC, a draft letter will be prepared for use by the City in notifying each of the tribes on the list of the project. The letter will include a written summary of the project, a map illustrating the location and general features of the project, will advise tribes of the required response time for AB52, and will request the tribe designate a lead contact person for project consultation. The letter will specifically request that tribes provide any information

pertaining to Tribal Cultural Resources as defined by AB52 that may be affected by project implementation.

The Kimley-Horn team will review all responses received from tribal representatives and will recommend an appropriate approach for any follow-up actions that may be warranted for further consultation with tribes expressing an interest in the project. The Kimley-Horn team assumes the City will consult directly with California Native Americans who request to consult for this project. If the City requests additional assistance beyond that described above, Kimley-Horn will prepare an additional scope of work and cost as appropriate.

Assistance with Section 106: The NAHC request will also include a request for a list of federally recognized and tribes non-federally recognized tribes who may have knowledge about the potential for Native American associated sites that could be affected by the project and who may want to participate as consulting parties as defined by Section 106 of the NHPA. In addition, InContext will conduct research to identify potential additional consulting parties as defined by Section 106 of the NHPA.

A letter will be sent to each of the individuals or groups identified by research and by the NAHC. The letter will be sent on behalf of the City and Caltrans. It will include a summary of the project, a map illustrating the location of the project, a summary of research conducted to date, and a request for information or concerns. Two weeks after the letters are sent, InContext will follow up with phone calls to ensure the addresses received and understood the content of the letters and to inquire regarding any concerns or information. We assume the City and Caltrans will consult directly with consulting parties. If the City or Caltrans requests additional assistance beyond that described above, Kimley-Horn will prepare an additional scope of work and cost as appropriate.

Field Survey: InContext will conduct a pedestrian survey of the study area to identify and document cultural resources (architectural resources and archaeological resources) that are visible above ground. Cultural resources will be recorded, photographed, and mapped per Caltrans' standards. It is assumed that any cultural resources identified within the project area will not require Extended Phase I identification efforts, and will not require Phase II evaluation to determine their eligibility for listing in the California Register of Historical Resources (CRHR) or the National Register of Historic Places (NRHP). It is also assumed that any identified cultural resources will be avoided through project design.

Historic Property Survey Report (HPSR) and Archaeological Survey Report (ASR): InContext will prepare the Historic Property Survey Report (HPSR) and Archaeological Survey Report (ASR) that document the methods and results of the cultural resources

investigation. These reports, in addition to a summary of AB52 consultation efforts, may be used by the City as the basis for their CEQA documentation. Because it is assumed that any identified archaeological resources can be avoided, the only mitigation measures required in the ASR will be standard mitigation measures for inadvertent discovery of unknown archaeological resources and human remains.

Task 4.2.5: Visual Assessment Memorandum

Based on current information on the project, the Caltrans' Questionnaire to Determine Visual Impact Assessment (VIA) Level was completed and the project scored a 13. While this score may change as details become clear through project design, it is anticipated that the score would remain below 15. Therefore, the appropriate document level is a technical memorandum. The memorandum will be prepared consistent with the current Caltrans Landscape Architecture Program's recommended outline per the SER. The Memorandum will briefly discuss the existing visual setting, sensitive receptors, and will analyze the visual change as compared to baseline conditions. This analysis will summarize the project's visual change. The resultant brief technical memorandum will address visual issues and provide a rationale why a formal technical study is not required, per the Caltrans SER. This scope excludes formal visual report preparation, viewshed mapping analysis, Key View analysis, and photosimulations.

Task 4.3 NEPA Compliance

Kimley-Horn will prepare a NEPA CatEx, with supporting technical studies identified above, pursuant to Section 23 USC 326, 23 CFR 771 activity (c)(23). KIMLEY-HORN will also prepare a Draft Environmental Commitments Record (ECR), if necessary, which will be submitted to Caltrans for review and approval. Should any of the studies identify the need to prepare the more time consuming Environmental Assessment, a separate scope and fee will be provided to the City.

Task 4.4 Environmental Coordination and Meeting Attendance

Project Coordination: Bruce R. Grove Jr. will be the principal-in-charge, responsible for overall project management and supervision of the Kimley- Horn Team. Mr. Grove will provide reviews and quality control/quality assurance as well as compliance with CEQA requirements (for technical studies only, if required) and Caltrans NEPA procedures (technical studies and CE). Christa Redd will undertake consultation and coordination of the project and will also review the environmental documents for compliance with CEQA requirements (for technical studies only, if required) and Caltrans NEPA procedures (technical studies and CE). Ms. Redd will coordinate with state and local agencies regarding this environmental document. It is the goal of Kimley-Horn to serve as an extension of City staff throughout the duration of the environmental process.

Meeting Attendance: Kimley-Horn anticipates meetings with City and Caltrans staff. Ms. Redd will attend up to three meetings with City and Caltrans staff, including the PES

Form site visit, a “kick-off meeting”, and one Project Development Team meeting. No public meetings or hearings are anticipated for this project.

Task 4.5 Phase II Environmental Site Assessment / ADL Study

After the completion on the Phase I ISA, if requested by Caltrans, WRECO will perform an Aerially Deposited Lead (ADL) Study for the Project in accordance with the Caltrans 2007 ADL Guidelines and Variance documents. A separate scope and fee will be prepared for this Phase II task. WRECO will comply with CFR 1910.120 requirements and standards of practice, which include a site-specific Health and Safety Plan as part of the ADL Work Plan to address worker health and safety and contingency plans for emergencies that may arise. WRECO would sample approximately 8 locations dependent on surface conditions and potential interference with subsurface utilities. In accordance with Caltrans specifications, representative soil samples will be collected from a depth of approximately 6, 12, and 24 inches below the ground surface or deeper based on the type of improvements and the Project Team’s judgment. A total of up to 24 samples will be collected. The soil samples will be submitted to a laboratory certified by the California Department of Toxic Substances Control (DTSC) for the proposed analyses. The samples will be split in the lab and analyzed for lead using EPA Method 6010B. Approximately 10 percent (or 7) of the samples and any sample exceeding 50 mg/kg of total lead will be tested for Soluble Limit Threshold Concentrations using EPA Method 7420 to better determine the hazardous waste characterization under California Code of Regulations and for Toxicity Leaching Procedure for characterization under Federal guidelines, if needed. Upon receipt of the soil analysis data, WRECO will prepare the Phase II ADL Study Report.

Task 4.6 Extended Phase I Survey for Blacksmith Shop

If research and fieldwork identifies archaeological resources that require subsurface investigation to properly document, an XPI may be required by Caltrans. The XPI would include preparation of the XPI Work Plan for Caltrans review, implementation of the XPI excavation, reimbursable expenses, artifact analysis, GIS and graphics preparation, the XPI Report, and a Finding of Effect Report. Research and project refinement conducted during development of the HPSR and ASR could yield findings that there is no potential for subsurface deposits associated with the blacksmith shop (because of prior disturbance or the project will avoid areas that could have deposits).

Deliverables

- One (1) Draft PDF copy of the PES and APE for City / Caltrans review.
- One (1) Final PDF copy of the PES and APE for City / Caltrans review and approval.
- One (1) Draft PDF copy of each technical memorandum (study) for City / Caltrans review.

- One (1) Final PDF copy of each technical memorandum (study) for City / Caltrans review and approval.
- Five (5) Final copies for of each technical memorandum (study) for Caltrans NEPA processing.
- One (1) PDF copy of the Draft CE for Caltrans review and approval.

TASK 5: RIGHT-OF-WAY SUPPORT SERVICES

Task 5 assumes the assumes right of way support services will be needed for no more than two parcels.

Task 5.1: Real Estate Services Project Management

Interwest will manage the real property acquisition process throughout the life of the project, providing the team with regular, ongoing progress reports regarding the status of all right-of-way activities.

Deliverables:

- Regular progress reports to Project team

Task 5.2: Right-of-Way Planning and Coordination

Interwest's initial action item will be to review the project plans and project scheduling information with key personnel and the engineering design team.

Deliverables:

- Acquisition Matrix
- Right-of-Way Timeline
- Pre-approved Acquisition Agreement and offer package documentation
- Order Preliminary Title Reports for the subject properties

Task 5.3: Appraisal Services

Interwest has partnered with Sierra West Valuation for appraisal services. This appraisal firm employs contemporary valuation methods set in the framework of California Eminent Domain law, Caltrans Right-of-Way Appraisal Standards, the Uniform Act of 1970 as amended, and the standards established in the Uniform Standards of Professional Appraisal Practice (USPAP) to arrive at estimates of just compensation.

The reports will be prepared in conformance with and subject to the requirements of the Uniform Standards of Professional Practice (USPAP) of the Appraisal Foundation.

Deliverables:

- Two (2) Appraisal Reports
- Two (2) Appraisal Summary Statements

Task 5.4: Appraisal Review

Interwest will ensure the appraisal meets minimal reporting requirements and follows case law for eminent domain in California. A Certificate of Review will be provided expressing the salient factual information in the review appraisal and a summary of the estimated fair market value/ just compensation conclusions of the appraiser if the reviewer is in basic agreement with the appraiser's methodology and conclusion of value. Said reviews, consultations with the appraiser, and Certificates of Review will be completed in timely fashion so as not to delay project timelines and goals. To do so, open lines of communication between the City, the project team, and the fee appraiser are essential.

Deliverables:

- Two (2) Certificates of Review

Task 5.5: Acquisition / Negotiation

Interwest staff will perform acquisition services for the City of Rocklin. Acquisition services include all contact with the property owner for the purpose of negotiating the acquisition of the real property interests.

Deliverables:

- Two (2) acquisition agreements
- Two (2) Grant Deeds

Task 5.6: Escrow Coordination

Assuming successful negotiations with the property owner are complete and acquisition documents are signed, the closing (escrow) process will begin, which involves coordinating with the City's designated title company.

Deliverables:

- Clear, as necessary, exceptions to title for parcel to be conveyed to the City
- Disbursement of sale proceeds to property owners

Task 5.7: Project Certification

Interwest recognizes that Right of Way Certification is a written statement summarizing the status of all right of way related matters pertaining to a proposed construction project. As part of the certification process, Interwest, in coordination with Kimley-Horn and Associates, will provide a Right of Way Certification.

Deliverable:

- One (1) Right of Way Certification

TASK 6: UTILITY SUPPORT SERVICES

Utility Coordination

Kimley-Horn will provide wet and dry utility coordination to support the project, including collection of readily available utility record information, preparation of letters, and general coordination.

Kimley-Horn will coordinate with the Caltrans and utility companies to resolve utility conflicts obtain necessary certifications, approvals and agreements for utility relocations required by the project needs in accordance with the Local Assistance Procedures Manual (LAPM) Chapter 14 Utility Relocation, Kimley-Horn will coordinate with Caltrans to obtain Right of Way Certification and NEPA approval.

Additionally, Kimley-Horn will work with the City staff to identify new utility needs and obtain required certifications, agreements and approvals for new services.

Deliverables:

- New Service or Connection Requests
- Caltrans Utility Certification
- Caltrans Right of Way Certification.

TASK 7: FINALIZE DESIGN AND PREPARE BID DOCUMENTS

Work described under Task 7 will be completed for either the interim or ultimate roundabout design as defined in the RGAD. If the interim roundabout design is selected, design features and infrastructure needed for the ultimate roundabout design will be considered in the development of the final design and bid documents for the interim roundabout.

30% Design

Following the City's approval of the Technical Memorandum described in Task 3 and NEPA Compliance described in Task 4 is achieved, a 30% plan set will be prepared for the preliminary roadway alignment, profiles as needed to determine impacts, preliminary layouts, typical cross-sections, preliminary drainage and Stormwater quality elements, signing and striping, and conceptual lighting plans. Landscape plans will not be developed until 60%

An initial engineer's opinion of probable cost will be developed based on the 30% design plans. We will include any projected City costs for utility relocation. A project contingency will be included in the engineer's opinion of probable costs to provide for cost increases and unknown issues that may arise but cannot be specifically identified at this stage.

Deliverables

- 30% Design Plans - One full size hard copy of the plans and four hard copies of half-size plans

60%, Draft 100%, and Final PS&E

Kimley-Horn will develop plans and Engineer's Opinion of Probable cost at 60%, Draft 100% and Final PS&E. Specifications shall be prepared at Draft 100%, and Final PS&E.

As part of this work, Kimley-Horn will address the comments returned from the City's review of the previous deliverable. We assume that the City will circulate and summarize comments in a matrix that will be provided to Kimley-Horn. Kimley-Horn will address and/or reply to comments in the matrix and return this to the City ahead of the next deliverable package.

Roadway Design

Roadway plans will be updated to include geometric roadway and pavement design, including road, curb, and median plan and profile. Conform and tie-in work to existing streets and private driveways will be completed as part of this task. Erosion control will be designed as necessary. Notes, horizontal control, typical cross-sections, and construction details will be updated and refined as part of this task.

Drainage Design

Kimley-Horn will prepare a drainage technical memorandum for submittal to the City. The document will adhere to the standards within West Placer County Water Design Manual, as well as City and County standards. The technical memorandum will provide calculations and documentation in regard to the existing site hydrology and hydraulics as well as how the proposed site will implement Stormwater treatment and hydromodification measures while incorporating LID Stormwater management principles and requirements.

Signing and Striping Design

Kimley-Horn will update the signing and pavement delineation plans by coordinating with the City Traffic Engineer based on comments received from the previous design submittal. Plans will be prepared based on Caltrans standard pavement delineation details and signing will be based on the Manual of Uniform Traffic Control Devices California Edition, modified as required per City standards.

Electrical, and Lighting Design

Kimley-Horn will update the street lighting plans based on comments provided on the previous design submittals and associated conceptual street lighting. Street and Pedestrian Lights will utilize the Caltrans 2010 Standard Plans and Standard Specifications, modified as required per City requirements.

Stage Construction and Traffic Handling Design

Kimley-Horn will prepare Stage Construction and Traffic Handling plans, including detour plans if necessary, necessary for any long term lane closures and any short term detours. The plans will be based on the Manual of Uniform Traffic Control Devices California Edition and Caltrans Traffic Manual, modified as required per City requirements.

Landscaping and Irrigation

Kimley-Horn will prepare landscaping and irrigation plans for the 60% construction contract drawings. This will utilize the Caltrans 2010 Standard Plans and Specifications, in concert with City staff and their requirements.

Design will include landscaping within the center of the roundabout (if applicable) and within medians. We assume that landscape scope will be standard roadway landscaping.

We will meet with the City prior to starting 60% landscape design to understand the City's preferences on plant and hardscape options.

Kimley-Horn estimates a total of 24 sheets, and anticipates submitting the following plan sheets as part of the 60%, Draft 100%, and Final PS&E submittals:

- Title Sheet (1)
- Abbreviations & General Notes (1)
- Typical Cross Sections (1)
- Plan and Profiles with Drainage Layout (5)
- Construction Details and Driveway Profiles (2)
- Demolition Plans (1)
- Erosion Control Plans (1)
- Utility Plan, Profiles, Details (3)
- Signing and Striping (1)
- Street Lighting (1)
- Stage Construction, Traffic Handling and Detour Plans (3)
- Landscaping Plan and Details (2)
- Irrigation Plan and Details (2)

Specifications (Draft 100%, and Final PS&E)

Kimley-Horn will prepare a technical special provisions and contract documents (proposal). The base document that the special provisions will be based on is the Caltrans 2010 Standard Specifications. We will acquire and incorporate any City-specific technical provisions. We assume that the City will provide a standard City front-end boiler plate to the Special Provisions that will not require editing by Kimley-Horn.

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to Professional Services Agreement
Reso. No. 2016-

Engineer's Opinion of Probable Costs (60%, Draft 100%, and Final PS&E)

The engineer's opinion of probable construction costs will be updated for consistency with the plans. The opinion will include a percentage of contingency to assist in accounting for potential changes between the current plan submittal and project award.

Final Bid Documents

Following the City's review and acceptance of the final PS&E proof set, final bid documents will be created. Final plans will be plotted on Mylar, stamped by the engineer of record, with a wet signature. Technical provisions will be stamped and signed by the engineers responsible for preparing them. A final opinion of probable cost will be provided.

Kimley-Horn will utilize Caltrans and City documents as design standards, including, but not limited to, the following:

- FHWA Roundabouts: An Information Guide
- Caltrans Design Information Bulletin 80-01
- Caltrans Highway Design Manual
- City Standard Plans
- Caltrans 2010 Standard Specifications
- Caltrans 2010 Standard Special Provisions
- Caltrans Standard Plans

Deliverables:

- One full size hard copy of the plans – 60%, Draft 100%, Final PS&E
- Four hard copies of half-size plans– 60%, Draft 100%, Final PS&E
- Electronic copy of plans – PDF format– 60%, Draft 100%, Final PS&E
- Engineer's Opinion of Probable Cost – four hard copies, electronic copy in Excel format - 60% Draft 100%, Final PS&E
- Specifications - four hard copies, electronic copy in Word format - Draft 100% and Final PS&E

TASK 8: PREPARE RECORD DRAWINGS

Kimley-Horn will coordinate with the City and the Contractor to obtain from the contractor the red-lined drawings, recording the changes made in the field during construction. Kimley-Horn will create a set of record drawings based on the obtained information. The record drawings will contain changes in color and the revisions will be stamped by the engineer of the record.

Deliverables:

- One full size hard copy of the as-built plans
- Electronic copy – color PDF format

EXHIBIT B

PAYMENT FOR SERVICES RENDERED

The City of Rocklin agrees to pay Consultant a fee not to exceed \$378,142.03.

TASK	COST
1- Project Management	\$ 35,949.00
2- Surveying, Potholing and Base& Row mapping	\$ 32,677.24
3- Preliminary Engineering	\$ 40,489.22
4- Environmental Services	\$ 84,002.19
5- Right of Way Support Services	\$ 16,757.55
6- Utility Support Services	\$ 10,041.75
7- Finalize Design & Prepare Bid Documents	\$103,699.75
8- Prepare Record Drawings	\$ 5,002.46
Misc. Cost	<u>\$ 200.00</u>
TOTAL COST	\$328,819.16

EXHIBIT C

FACILITIES, EQUIPMENT, AND OTHER
MATERIALS, AND OBLIGATIONS OF CITY

City shall provide:

- Staff time to review contract submittals and conduct site meetings
- Office space for meetings, etc.
- All existing studies, as-built plans and other documents related to the project will be available at the consultant's request

EXHIBIT D

GENERAL PROVISIONS

1. **Independent Contractor.** At all times during the term of this Agreement, Consultant shall be an independent contractor and shall not be an employee of the City. City shall have the right to control Consultant only insofar as the results of Consultant's services rendered pursuant to this Agreement. City shall not have the right to control the means by which Consultant accomplishes services rendered pursuant to this Agreement.

2. **Licenses, Permits, Etc.** Consultant represents and warrants to City that it has all licenses, permits, qualifications, and approvals of whatsoever nature which are legally required for Consultant to practice its profession. Consultant represents and warrants to City that Consultant shall, at its sole cost and expense, keep in effect or obtain at all times during the term of this Agreement, any licenses, permits, and approvals which are legally required for Consultant to practice its profession at the time the services are performed.

3. **Time.** Consultant shall devote such time to the performance of services pursuant to this Agreement as may be reasonably necessary for the satisfactory performance of Consultant's obligations pursuant to this Agreement. Neither party shall be considered in default of this Agreement to the extent performance is prevented or delayed by any cause, present or future, which is beyond the reasonable control of the party.

4. **Insurance.**

A. Consultant shall procure and maintain for the duration of this Agreement insurance against claims for injuries to persons or damage to property which may arise from or in connection with the performance of work under this Agreement and the results of that work by Consultant, its agents, representatives, employees, or subcontractors. All coverage available to the Consultant as named insured shall be made available to the City, its officers, employees and volunteers as additional insured. Consultant shall provide to City the full policy limits of Consultant's insurance, with coverage at least as broad as, and limits no less than, the following:

1. **General Liability.** Consultant shall maintain in full force and effect a policy of commercial general liability insurance (ISO occurrence form CG0001) with limits no less than the following: one million dollars (\$1,000,000) per occurrence for bodily injury, personal injury, and property damage. If a general aggregate limit is used, either the general aggregate limit shall apply separately to this agreement, or the

general aggregate limit shall be twice the required occurrence limit. (The occurrence form of policy is required whenever it is available.)

2. Worker's Compensation and Employer's Liability Insurance.

Consultant shall fully comply with the law of California concerning worker's compensation. Said compliance shall include, but not be limited to, maintaining in full force and effect one or more policies of insurance insuring against any liability Consultant may have for worker's compensation. Consultant shall also maintain in full force and effect a policy of employer's liability insurance with limits no less than the following: one million dollars (\$1,000,000) each accident; one million dollars (\$1,000,000) policy limit bodily injury by disease; one million dollars (\$1,000,000) each employee bodily injury by disease.

3. Automobile. Consultant shall maintain in full force and effect a

policy of commercial automobile liability insurance (ISO Form CA0001 Code 1 (any auto) or Code 8, 9 if no automobiles owned), with limits no less than the following: one million dollars (\$1,000,000) per accident for bodily injury and property damage.

4. Errors and Omissions. Consultant shall maintain in full force and

effect a policy of errors and omissions insurance covering the services to be provided under this agreement with limits no less than the following: one million dollars (\$1,000,000) each occurrence, two million dollars (\$2,000,000) policy aggregate.

B. The general liability and automobile policies are to contain, or be endorsed to contain, the following provisions:

1. The City, its officers, employees and volunteers shall be added as

insureds with respect to liability arising out of automobiles owned, leased, hired or borrowed by or on behalf of Consultant, and with respect to liability arising out of work or operations performed by or on behalf of the Consultant including materials, parts or equipment furnished in connection with such work or operations. Coverage shall not extend to any indemnity coverage for the active negligence of the additional insured in any case where an agreement to indemnify the additional insured would be invalid under subdivision (b) of section 2782 of the Civil Code.

2. For any claims related to work or operations performed by or on

behalf of Consultant, the Consultant's insurance coverage shall be primary insurance as respects the City, its officers, employees, and volunteers. Any insurance or self-insurance maintained by the City, its officers, employees, or volunteers shall be excess of the Consultant's insurance and shall not contribute with it.

3. The insurance coverage shall not be assigned, reduced, amended,

cancelled, terminated, or not renewed by either party except after thirty (30) days written notice by certified mail, return receipt requested, to City.

C. The insurance company or companies providing Consultant the coverages required by this Agreement shall be admitted in the State of California and have a current A.M. Best's rating of no less than A:VIII or equivalent acceptable to City.

D. Any deductibles or self-insured retentions must be declared to and approved by the City. At the option of City, either: the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the City, its officers, employees and volunteers; or the Consultant shall procure a financial guarantee satisfactory to City guaranteeing payment of losses and related investigations, claim administration and defense expenses.

E. The insurance shall be maintained from the time the work first commences until completion of the work under this Agreement if an occurrence policy form is used. If a claims made policy form is used, the following requirements apply:

1. The "Retro Date" must be shown, and must be before the date of the contract or the beginning of contract work.

2. Insurance must be maintained and evidence of insurance must be provided for at least five (5) years after completion of the contract of work.

3. If coverage is cancelled or non-renewed, and not replaced with another claims made policy form with a "Retro Date" prior to the contract effective date, the Consultant must purchase "extended reporting" coverage for a minimum of five (5) years after completion of contract work.

4. A copy of the claims reporting requirements must be submitted to the City for review.

F. If Consultant, for any reason, fails to maintain insurance coverage which is required under this Agreement, the failure shall be deemed a material breach of contract. City, at its sole option, may terminate this Agreement and obtain damages from Consultant resulting from the breach. Alternatively, City may purchase the required insurance coverage, and without further notice to Consultant, City may deduct from the sums due to Consultant any premium costs advanced by City for the insurance.

G. Consultant shall include all subcontractors as insureds under its policies or shall furnish separate certificates and endorsements for each subcontractor. All coverages for subcontractors shall be subject to all of the requirements stated herein.

H. Consultant shall furnish City with original certificates and amendatory endorsements effecting coverage required by this Agreement. The certificates and

endorsements should be on forms provided by the City, or on other than the City's forms, provided those endorsements or certifications conform to the requirements. All certificates and endorsements are to be received and approved by the City before work commences. The City reserves the right to require complete, certified copies of all required insurance policies, including endorsements effecting the coverage required by this Agreement at any time.

Consultant shall replace certificates of insurance for policies expiring prior to completion of the work under the Agreement, and shall continue to furnish certificates for five years beyond the Agreement terminate date, when the Consultant has a claims made form of insurance.

I. The worker's compensation and employee's liability insurance are to contain, or be endorsed to contain, the following provisions:

1. The insurance company waives any right of subrogation against the City, its officers, employees, and volunteers, which might arise by reason of any payment by the insurance company in connection with work performed by Consultant under this Agreement.

2. The insurance coverage shall not be assigned, reduced, amended, cancelled, terminated, or not renewed by either party except after thirty (30) days written notice by certified mail, return receipt requested, to City.

5. **Indemnity.** To the fullest extent permitted by law (including, without limitation, California Civil Code Sections 2782 and 2782.6), Consultant shall defend (with legal counsel reasonably acceptable to the City), indemnify and hold harmless City, and its officers, agents, departments, officials, representatives and employees (collectively "Indemnitees") from and against any and all claims, loss, cost, damage, injury (including, without limitation, injury to or death of an employee of Consultant or its Subconsultants), expense and liability of every kind, nature and description (including, without limitation, incidental and consequential damages, court costs, attorneys' fees, litigation expenses and fees of expert consultants or expert witnesses incurred in connection therewith and costs of investigation) that arise out of, pertain to, or relate to, directly or indirectly, in whole or in part, the negligence, recklessness, or willful misconduct of Consultant, any Subconsultant, anyone directly or indirectly employed by them, or anyone that they control (collectively "Liabilities"). Such obligations to defend, hold harmless and indemnify any Indemnitee shall not apply to the extent that such Liabilities are caused in part by the sole negligence, active negligence, or willful misconduct of such Indemnitee.

To the extent there is an obligation to indemnify under this Section 5, Consultant shall be responsible for incidental and consequential damages resulting

directly or indirectly, in whole or in part, from Consultant's negligence, recklessness, or willful misconduct.

6. Consultant Not Agent. Except as City may specify in writing, Consultant shall have no authority, express or implied, to act on behalf of City in any capacity whatsoever as an agent. Consultant shall have no authority, express or implied, pursuant to this Agreement to bind City to any obligation whatsoever.

7. Assignment Prohibited. Consultant may assign its rights and obligations under this Agreement only upon the prior written approval of City, said approval to be in the sole discretion of City.

8. Personnel: Qualifications and Conflicts of Interest.

A. Consultant shall assign only competent personnel to perform services under this Agreement. If City, in its sole discretion, at any time during the term of this Agreement, desires the removal of any person or persons assigned by Consultant to this Agreement, Consultant shall remove the person immediately upon receiving notice from City. No personnel shall be assigned to this Agreement who, due to a financial conflict of interest, is disqualified from performing services under this Agreement.

B. Prior to commencing work under this Agreement, all personnel assigned to the Agreement shall determine whether, by virtue of the work to be performed, they are "consultants" as defined by the Political Reform Act (Cal. Gov. Code §81000, et seq.). They shall then notify the City Clerk in writing of their determination and shall complete and file all required disclosure statements.

9. Standard of Performance. Consultant shall perform all services required pursuant to this Agreement in the manner and according to the standards observed by a competent practitioner of the profession in which Consultant is engaged in the geographical area in which Consultant practices its profession. All products of whatsoever nature which Consultant delivers to City pursuant to this Agreement shall be prepared in a substantial workmanlike manner and conform to the standards or quality normally observed by a person practicing in Consultant's profession.

10. City Representative. The City Manager is the representative of the City and will administer this Agreement for the City.

11. Termination. City shall have the right to terminate this Agreement at any time by giving notice in writing of such termination to Consultant. In the event City shall give notice of termination, Consultant shall immediately cease rendering service upon receipt of such written notice, pursuant to this Agreement.

In the event City shall terminate this Agreement:

1. Consultant shall deliver copies of all writings prepared by it pursuant to this Agreement. The term "writings" shall be construed to mean and include: handwriting, typewriting, printing, photostating, photographing, and every other means of recording upon any tangible thing any form of communication or representation, including letters, words, pictures, sounds, or symbols, or combinations thereof.

2. City shall have full ownership and control of all such writings delivered by Consultant pursuant to this Agreement.

3. City shall pay Consultant the reasonable value of services rendered by Consultant to the date of termination pursuant to this Agreement not to exceed the amount documented by Consultant and approved by City as work accomplished to date; provided, however, that in no event shall any payment hereunder exceed Three Hundred and Twenty-Eight Thousand, Eight Hundred and Nineteen Dollars and Sixteen Cents (\$328,819.16) and further provided, however, City shall not in any manner be liable for lost profits which might have been made by Consultant had Consultant completed the services required by this Agreement. In this regard, Consultant shall furnish to City such financial information as in the judgment of the City Manager is necessary to determine the reasonable value of the services rendered by Consultant. The foregoing is cumulative and does not affect any right or remedy which City may have in law or equity.

Consultant may terminate its services under this Agreement upon thirty (30) working days written notice to the City, without liability for damages, if it is not compensated according to the provisions of the Agreement or upon any other material breach of the Agreement by City.

12. Non-Discrimination. Consultant shall not discriminate in its employment practices because of of race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, genetic information, marital status, sex, gender, gender identity, gender expression, age, or sexual orientation in contravention of the California Fair Employment and Housing Act, Government Code section 12900 et seq.

13. Ownership of Information. All professional and technical information developed under this Agreement and all work sheets, reports, and related data shall become the property of City, and Consultant agrees to deliver reproducible copies of such documents to City on completion of the services hereunder. The City agrees to indemnify and hold Consultant harmless from any claim arising out of reuse of the information for other than this project.

14. **Waiver.** One or more waivers by one party of any major or minor breach or default of any provision, term, condition, or covenant of this Agreement shall not operate as a waiver of any subsequent breach or default by the other party.

15. **Entirety of Agreement.** This Agreement contains the entire agreement of City and Consultant with respect to the subject matter hereof, and no other agreement, statement, or promise made by any party, or to any employee, officer or agent of any party which is not contained in this Agreement shall be binding or valid.

16. **Attorney's Fees.** If the services of any attorney are required by any party to secure the performance of this Agreement or otherwise upon the breach or default of another party, or if any judicial remedy or arbitration is necessary to enforce or interpret any provisions of this Agreement or the rights and duties of any person in relation to this Agreement, the prevailing party shall be entitled to reasonable attorney's fees, costs and other expenses, in addition to any other relief to which such party may be entitled. Prevailing party includes (a) a party who dismisses an action in exchange for sums allegedly due; (b) the party that receives performance from the other party of an alleged breach of covenant or a desired remedy, if it is substantially equal to the relief sought in an action; or (c) the party determined to be prevailing by a court of law.

Whenever provision is made in this Agreement for the payment of attorney's fees, such fees shall be payable whether the legal services are rendered by a salaried employee for the party or by independent counsel and shall include such fees as are incurred in connection with any pretrial proceeding, trial or appeal of the action.

Any award of damages following judicial remedy or arbitration as a result of the breach of this Agreement or any of its provisions shall include an award of prejudgment interest from the date of the breach at the maximum amount of interest allowed by law.

17. **Counterparts.** Where Consultant is a general partnership, the partners may execute this Agreement in two or more counterparts which shall, in the aggregate, be signed by all the parties; each counterpart shall be deemed an original instrument as against any party who assigned it.

18. **Governing Law.** This Agreement is executed and intended to be performed in the State of California, and the laws of that State shall govern its interpretation and effect.

**NOTICE TO CONSULTANT
OF DISCLOSURE OBLIGATIONS UNDER THE
CALIFORNIA POLITICAL REFORM ACT
(Rocklin Road at Pacific Street Roundabout)**

The Political Reform Act (“PRA”) (Government Code §81000, et seq.) provides that “no public official at any level of state or local government shall make, participate in making, or in any way attempt to use his official position to influence a governmental decision in which he knows or has reason to know he has a financial interest.” In addition, the Act requires every public official to disclose those economic interests that could foreseeably be affected by the exercise of his or her duties.

The term “public official” includes consultants. (Government Code §82048.) The PRA regulations (2 CCR 18701(a)(2) define consultant to include an individual who makes certain described governmental decisions, or, who serves in a staff capacity with the agency and in that capacity performs the same or substantially all of the same duties for the agency that would otherwise be performed by an individual holding a position specified in the agency’s Conflict of Interest Code. A copy of Government Code §82048 and Regulation 18701(a)(2) are attached for your reference.

It is not the business or firm providing services to the City that is considered the consultant. The individuals working for the firm who provide the services are considered the consultants. These individuals must file Statements of Economic Interest based on their personal financial interests and are subject to disqualification and other laws affecting public officials.

Because not all consultants participate in making decisions on behalf of the City in a manner covered by the Political Reform Act, the City does not amend its Conflict of Interest Code each time a consultant is hired. Instead, consultants are included generically in the City’s Conflict of Interest Code as designated employees.

Under the law, it is the responsibility of each individual who will be providing services under the agreement to file an Assuming Office Statement, an Annual Statement, and a Leaving Office Statement if he/she determines the work being done under contract with the City qualifies the individual as a “consultant” within the meaning of the law.

Prior to commencing work under this agreement, you must notify the Rocklin City Clerk of your determination and request and file the appropriate forms, if necessary. Please complete and sign the form below and return to the City Clerk.

Attachment

legal\administration\conflict of interest notice to consultant

**DETERMINATION OF DISCLOSURE OBLIGATIONS UNDER
CALIFORNIA POLITICAL REFORM ACT
(Rocklin Road at Pacific Street Roundabout)**

I have read this Notice to Consultant of Disclosure Obligations under the California Political Reform Act and have determined that (check one):

_____ By virtue of the work that I will perform under this Consultant Services Agreement, I am a public official within the meaning of the Political Reform Act. Enclosed is my Assuming Office Statement (Form 700).

_____ Under this Consultant Services Agreement, I will not be performing the duties of a public official/consultant within the meaning of the Political Reform Act.

Dated: _____

(Name of Consultant)

By: _____
(Signature)

(Type Name)

(Address)

(Address)

CALIFORNIA ADMINISTRATIVE CODE
TITLE 2. ADMINISTRATION
DIVISION 6. FAIR POLITICAL PRACTICES COMMISSION
CHAPTER 7. CONFLICTS OF INTEREST
ARTICLE 1. CONFLICTS OF INTEREST; GENERAL PROHIBITION

§18701. Public Official, Definitions.

- (a) For purposes of Government Code §82048, which defines “public official,” and Government Code §82019, which defines “designated employee,” the following definitions apply:
- (1) “Member” shall include, but not be limited to, salaried or unsalaried members of committees, boards or commissions with decisionmaking authority. A committee, board or commission possesses decisionmaking authority whenever:
 - (A) It may make a final governmental decision;
 - (B) It may compel a governmental decision; or it may prevent a governmental decision either by reason of an exclusive power to initiate the decision or by reason of a veto that may not be overridden; or
 - (C) It makes substantive recommendations that are, and over an extended period of time have been, regularly approved without significant amendment or modification by another public official or governmental agency.
 - (2) “Consultant” means an individual who, pursuant to a contract with a state or local government agency:
 - (A) Makes a governmental decision whether to:
 1. Approve a rate, rule, or regulation;
 2. Adopt or enforce a law;
 3. Issue, deny, suspend, or revoke any permit, license, application, certificate, approval, order, or similar authorization or entitlement;
 4. Authorize the agency to enter into, modify, or renew a contract provided it is the type of contract that requires agency approval;
 5. Grant agency approval to a contract that requires agency approval and to which the agency is a party, or to the specifications for such a contract;
 6. Grant agency approval to a plan, design, report, study, or similar item;

7. Adopt, or grant agency approval of, policies, standards, or guidelines for the agency, or for any subdivision thereof; or
- (B) Serves in a staff capacity with the agency and in that capacity participates in making a governmental decision as defined in Regulation 18702.2 or performs the same or substantially all the same duties for the agency that would otherwise be performed by an individual holding a position specified in the agency's Conflict of Interest Code under Government Code §87302.
- (b) For purposes of Government Code §87200, the following definitions apply:
- (1) "Other public officials who manage public investments" means:
- (A) Members of boards and commissions, including pension and retirement boards or commissions, or of committees thereof, who exercise responsibility for the management of public investments;
- (B) High-level officers and employees of public agencies who exercise primary responsibility for the management of public investments, such as chief or principal investment officers or chief financial managers. This category shall not include officers and employees who work under the supervision of the chief or principal investment officers or the chief financial managers; and
- (2) Individuals who, pursuant to a contract with a state or local government agency, perform the same or substantially all the same functions that would otherwise be performed by the public officials described in subdivision (b)(1)(B) above.
- (3) "Public moneys" means all moneys belonging to, received by, or held by, the state, or any city, county, town, district, or public agency therein, or by an officer thereof acting in his or her official capacity, and includes the proceeds of all bonds and other evidences of indebtedness, trust funds held by public pension and retirement systems, deferred compensation funds held for investment by public agencies, and public moneys held by a financial institution under a trust indenture to which a public agency is a party.
- (4) "Management of public investments" means the following nonministerial functions: directing the investment of public moneys; formulating or approving investment policies; approving or establishing guidelines for asset allocations; or approving investment transactions.

COMMENT: In limited circumstances, the members of a nonprofit organization may be "public officials." (In re Siegel (1977) 3 FPPC Ops. 62.)

6. Amendment of section heading, section and Note filed 1-11-2001; operative 2-1-2001. Submitted to OAL for filing pursuant to Fair Political Practices Commission v. Office of Administrative Law, 3 Civil C010924, California Court of Appeal, Third Appellate District,

nonpublished decision, April 27, 1992 (FPPC regulations only subject to 1974 Administrative Procedure Act rulemaking requirements) (Register 2001, No. 2)

**WEST'S ANNOTATED CALIFORNIA CODES
GOVERNMENT CODE
TITLE 9. POLITICAL REFORM
CHAPTER 2. DEFINITIONS**

§82048 Public Official

“Public official” means every member, officer, employee or consultant of a state or local government agency, but does not include judges and court commissioners in the judicial branch of government. “Public official” also does not include members of the Board of Governors and designated employees of the State Bar of California, members of the Judicial Council, and members of the Commission on Judicial Performance, provided that they are subject to the provisions of Article 2.5 (commencing with Section 6035) of Chapter 4 of Division 3 of the Business and Professions Code as provided in Section 6038 of that article.



City Council Report

Subject: Resolution of the City Council of the City of Rocklin approving and authorizing the City Manager to execute the Master Agreement Administering Agency –State Agreement for Federal-Aid Projects for the Pacific Street and Rocklin Road Roundabout Project

Resolution of the City Council of the City of Rocklin approving and authorizing the City Manager to execute and Program Supplement No. N020-F to the Administering Agency-state Agreement for Federal-Aid Projects No. 03-5095F-15 (Pacific Street and Rocklin Road)

Submitted by: Rick Forstall, Director
Justin Nartker (Presenter)

Date: July 26, 2016

Department: Public Services

Staff Recommendation: Approving the Resolution of the City Council of the City of Rocklin approving and authorizing the City Manager to execute the Master Agreement Administering Agency –State Agreement for Federal-Aid Projects and Program Supplement No. 020-F for the Pacific Street and Rocklin Road Roundabout Project.

BACKGROUND

On June 28, 2016, Council approved Resolution 2016-167 adopting the 2016-2020 Capital Investment Plan (CIP) and Resolution 2016- 181 adopting the Fiscal Year 2016-2017 Budget. Included in both the CIP and budget is the Pacific Street Roundabout slated to begin this fiscal year.

This project has been approved for Congestion Mitigation Air Quality (CMAQ) funding and in order to become eligible for reimbursement of project expenses a Master Agreement and a Program Supplement must be signed for the funding to be obligated. Failure to submit the signed Master Agreement and Program Supplement within 90 days could result in the funding being disencumbered and/or deallocated.

FINDINGS, CONCLUSIONS & RECOMMENDATIONS

Findings:

- On June 28th Council approved Resolution 2016-167 adopting the 2016-2020 CIP and Resolution 2016-181 adopting the FY 2016-2017 Budget.
- Included in both the CIP and budget was the Pacific Street Roundabout Project with the design portion slated to begin this fiscal year.

City Council Report

July 26, 2016

Page 2

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- The Pacific Street Roundabout Project qualifies for CMAQ funding which requires that a Master Agreement and Program Supplement be approved by the City Council, signed by the City Manager and returned within 90 days.
 - The program supplement identifies \$300,000 for preliminary design at a 100% with no matching funds required from the City.
 - As the project progresses additional program supplements will be submitted for additional funds.

Recommendations:

- Staff recommends approval and authorization for the City Manager to execute the Master Agreement and Program Supplemental Agreement for the Pacific Street Roundabout Project.

Fiscal Impact:

- The project will be funded under the 240 (CMAQ) & 210 (SB -325) funds. Please note that funding amounts will likely change during the project, based on expenses and available funding, at which time a revised Program Supplement would be brought to Council for approval.



Ricky A. Horst, City Manager
Reviewed for Content



DeeAnne Gillick, City Attorney
Reviewed for Legal Sufficiency



BACK TO AGENDA

RESOLUTION NO. 2016-

RESOLUTION OF THE CITY COUNCIL OF THE CITY OF ROCKLIN APPROVING AND AUTHORIZING THE CITY MANAGER TO EXECUTE MASTER AGREEMENT – STATE AGREEMENT FOR FEDERAL-AID PROJECTS NO. 03-5095F-15 (PACIFIC STREET ROUNDABOUT PROJECT)

The City Council of the City of Rocklin does resolve as follows:

Section 1. The City Council of the City of Rocklin hereby approves and authorizes the City Manager execute the Master Agreement Administering Agency- State Agreement for Federal Aid Projects No. 03-5095F-15 (Pacific Street and Rocklin Road).

PASSED AND ADOPTED this 26th day of July, 2016, by the following vote:

- AYES: Councilmembers:
- NOES: Councilmembers:
- ABSENT: Councilmembers:
- ABSTAIN: Councilmembers:

Gregory A. Janda Mayor

ATTEST:

Barbara Ivanusich, City Clerk

EXHIBIT A

MASTER AGREEMENT
ADMINISTERING AGENCY-STATE AGREEMENT FOR
FEDERAL-AID PROJECTS

03 City of Rocklin

District Administering Agency

Agreement No. 03-5095F15

This AGREEMENT, is entered into effective this _____ day of _____, 20____, by and between City of Rocklin, hereinafter referred to as "ADMINISTERING AGENCY," and the State of California, acting by and through its Department of Transportation (Caltrans), hereinafter referred to as "STATE", and together referred to as "PARTIES" or individually as a "PARTY."

RECITALS:

1. WHEREAS, the Congress of the United States has enacted the Intermodal Surface Transportation Efficiency Act (ISTEA) of 1991 and subsequent Transportation Authorization Bills to fund transportation programs; and
2. WHEREAS, the Legislature of the State of California has enacted legislation by which certain federal-aid funds may be made available for use on local transportation related projects of public entities qualified to act as recipients of these federal-aid funds in accordance with the intent of federal law; and
3. WHEREAS, before federal funds will be made available for a specific program project, ADMINISTERING AGENCY and STATE are required to enter into an agreement to establish terms and conditions applicable to the ADMINISTERING AGENCY when receiving federal funds for a designated PROJECT facility and to the subsequent operation and maintenance of that completed facility.

NOW, THEREFORE, the PARTIES agree as follows:

ARTICLE I - PROJECT ADMINISTRATION

1. This AGREEMENT shall have no force or effect with respect to any program project unless and until a project-specific "Authorization/Agreement Summary", herein referred to as "E-76" document, is approved by STATE and the Federal Highway Administration (FHWA).
2. The term "PROJECT", as used herein, means that authorized transportation related project and related activities financed in part with federal-aid funds as more fully-described in an "Authorization/ Agreement Summary" or "Amendment/Modification Summary", herein referred to as "E-76" or "E-76 (AMOD)" document authorized by STATE and the Federal Highway Administration (FHWA).
3. The E-76/E-76 (AMOD) shall designate the party responsible for implementing PROJECT, type of work and location of PROJECT.
4. The PROGRAM SUPPLEMENT sets out special covenants as a condition for the ADMINISTERING AGENCY to receive federal-aid funds from/through STATE for designated PROJECT. The PROGRAM SUPPLEMENT shall also show these federal funds that have been initially encumbered for PROJECT along with the matching funds to be provided by ADMINISTERING AGENCY and/or others. Execution of PROGRAM SUPPLEMENT by the PARTIES shall cause ADMINISTERING AGENCY to adopt all of the terms of this AGREEMENT as though fully set forth therein in the PROGRAM SUPPLEMENT. Unless otherwise expressly delegated in a resolution by the governing body of ADMINISTERING AGENCY, and with written concurrence by STATE, the PROGRAM SUPPLEMENT shall be approved and managed by the governing body of ADMINISTERING AGENCY.
5. ADMINISTERING AGENCY agrees to execute and return each project-specific PROGRAM SUPPLEMENT within ninety (90) days of receipt. The PARTIES agree that STATE may suspend future authorizations/obligations and invoice payments for any on-going or future federal-aid project performed by ADMINISTERING AGENCY if any project-specific PROGRAM SUPPLEMENT is not returned within that ninety (90) day period unless otherwise agreed by STATE in writing.
6. ADMINISTERING AGENCY further agrees, as a condition to the release and payment of federal funds encumbered for the PROJECT described in each PROGRAM SUPPLEMENT, to comply with the terms and conditions of this AGREEMENT and all of the agreed-upon Special Covenants or Remarks incorporated within the PROGRAM SUPPLEMENT, and Cooperative/Contribution Agreement where appropriate, defining and identifying the nature of the specific PROJECT.
7. Federal, state and matching funds will not participate in PROJECT work performed in advance of the approval of the E-76 or E-76 (AMOD), unless otherwise stated in the executed project-specific PROGRAM SUPPLEMENT. ADMINISTERING AGENCY agrees that it will only proceed with the work authorized for that specific phase(s) on the project-specific E-76 or E-76 (AMOD). ADMINISTERING AGENCY further agrees to not proceed with future phases of PROJECT prior to receiving an E-76 (AMOD) from STATE for that phase(s) unless no further federal funds are needed or for those future phase(s).

8. That PROJECT or portions thereof, must be included in a federally approved Federal Statewide Transportation Improvement Program (FSTIP) prior to ADMINISTERING AGENCY submitting the "Request for Authorization".
9. ADMINISTERING AGENCY shall conform to all state statutes, regulations and procedures (including those set forth in the Local Assistance Procedures Manual and the Local Assistance Program Guidelines, hereafter collectively referred to as "LOCAL ASSISTANCE PROCEDURES") relating to the federal-aid program, all Title 23 Code of Federal Regulation (CFR) and 2 CFR part 200 federal requirements, and all applicable federal laws, regulations, and policy and procedural or instructional memoranda, unless otherwise specifically waived as designated in the executed project-specific PROGRAM SUPPLEMENT.
10. If PROJECT is not on STATE-owned right of way, PROJECT shall be constructed in accordance with LOCAL ASSISTANCE PROCEDURES that describes minimum statewide design standards for local agency streets and roads. LOCAL ASSISTANCE PROCEDURES for projects off the National Highway System (NHS) allow STATE to accept either the STATE's minimum statewide design standards or the approved geometric design standards of ADMINISTERING AGENCY. Additionally, for projects off the NHS, STATE will accept ADMINISTERING AGENCY-approved standard specifications, standard plans, materials sampling and testing quality assurance programs that meet the conditions described in the then current LOCAL ASSISTANCE PROCEDURES.
11. If PROJECT involves work within or partially within STATE-owned right-of-way, that PROJECT shall also be subject to compliance with the policies, procedures and standards of the STATE Project Development Procedures Manual and Highway Design Manual and, where appropriate, an executed Cooperative Agreement between STATE and ADMINISTERING AGENCY that outlines the PROJECT responsibilities and respective obligations of the PARTIES. ADMINISTERING AGENCY and its contractors shall each obtain an encroachment permit through STATE prior to commencing any work within STATE rights of way or work which affects STATE facilities.
12. When PROJECT is not on the State Highway System but includes work to be performed by a railroad, the contract for such work shall be prepared by ADMINISTERING AGENCY or by STATE, as the PARTIES may hereafter agree. In either event, ADMINISTERING AGENCY shall enter into an agreement with the railroad providing for future maintenance of protective devices or other facilities installed under the contract.
13. If PROJECT is using STATE funds, the Department of General Services, Division of the State Architect, or its designee, shall review the contract PS&E for the construction of buildings, structures, sidewalks, curbs and related facilities for accessibility and usability. ADMINISTERING AGENCY shall not award a PROJECT construction contract for these types of improvements until the State Architect has issued written approval stating that the PROJECT plans and specifications comply with the provisions of sections 4450 and 4454 of the California Government Code, if applicable. Further requirements and guidance are provided in Title 24 of the California Code of Regulations.
14. ADMINISTERING AGENCY will advertise, award and administer PROJECT in accordance with the current LOCAL ASSISTANCE PROCEDURES unless otherwise stated in the executed project-specific PROGRAM SUPPLEMENT.

15. ADMINISTERING AGENCY shall provide or arrange for adequate supervision and inspection of each PROJECT. While consultants may perform supervision and inspection work for PROJECT with a fully qualified and licensed engineer, ADMINISTERING AGENCY shall provide a full-time employee to be in responsible charge of each PROJECT who is not a consultant.

16. ADMINISTERING AGENCY shall submit PROJECT-specific contract award documents to STATE's District Local Assistance Engineer within sixty (60) days after contract award. A copy of the award documents shall also be included with the submittal of the first invoice for a construction contract by ADMINISTERING AGENCY.

17. ADMINISTERING AGENCY shall submit the final report documents that collectively constitute a "Report of Expenditures" within one hundred eighty (180) days of PROJECT completion. Failure by ADMINISTERING AGENCY to submit a "Report of Expenditures" within one hundred eighty (180) days of project completion will result in STATE imposing sanctions upon ADMINISTERING AGENCY in accordance with the current LOCAL ASSISTANCE PROCEDURES.

18. ADMINISTERING AGENCY shall comply with: (i) section 504 of the Rehabilitation Act of 1973 which prohibits discrimination on the basis of disability in federally assisted programs; (ii) the Americans with Disabilities Act (ADA) of 1990 which prohibits discrimination on the basis of disability irrespective of funding; and (iii) all applicable regulations and guidelines issued pursuant to both the Rehabilitation Act and the ADA.

19. The Congress of the United States, the Legislature of the State of California and the Governor of the State of California, each within their respective jurisdictions, have prescribed certain nondiscrimination requirements with respect to contract and other work financed with public funds. ADMINISTERING AGENCY agrees to comply with the requirements of the FAIR EMPLOYMENT PRACTICES ADDENDUM (Exhibit A attached hereto) and the NONDISCRIMINATION ASSURANCES (Exhibit B attached hereto). ADMINISTERING AGENCY further agrees that any agreement entered into by ADMINISTERING AGENCY with a third party for performance of PROJECT-related work shall incorporate Exhibits A and B (with third party's name replacing ADMINISTERING AGENCY) as essential parts of such agreement to be enforced by that third party as verified by ADMINISTERING AGENCY.

ARTICLE II - RIGHTS OF WAY

1. No contract for the construction of a federal-aid PROJECT shall be awarded until all necessary rights of way have been secured. Prior to the advertising for construction of PROJECT, ADMINISTERING AGENCY shall certify and, upon request, shall furnish STATE with evidence that all necessary rights of way are available for construction purposes or will be available by the time of award of the construction contract.
2. ADMINISTERING AGENCY agrees to indemnify and hold STATE harmless from any liability that may result in the event the right of way for a PROJECT, including, but not limited to, being clear as certified or if said right of way is found to contain hazardous materials requiring treatment or removal to remediate in accordance with Federal and State laws. The furnishing of right of way as provided for herein includes, in addition to all real property required for the PROJECT, title free and clear of obstructions and encumbrances affecting PROJECT and the payment, as required by applicable law, of relocation costs and damages to remainder real property not actually taken but injuriously affected by PROJECT. ADMINISTERING AGENCY shall pay, from its own non-matching funds, any costs which arise out of delays to the construction of PROJECT because utility facilities have not been timely removed or relocated, or because rights of way were not available to ADMINISTERING AGENCY for the orderly prosecution of PROJECT work.
3. Subject to STATE approval and such supervision as is required by LOCAL ASSISTANCE PROCEDURES over ADMINISTERING AGENCY's right of way acquisition procedures, ADMINISTERING AGENCY may claim reimbursement from federal funds for expenditures incurred in purchasing only the necessary rights of way needed for the PROJECT after crediting PROJECT with the fair market value of any excess property retained and not disposed of by ADMINISTERING AGENCY.
4. When real property rights are to be acquired by ADMINISTERING AGENCY for a PROJECT, said ADMINISTERING AGENCY must carry out that acquisition in compliance with all applicable State and Federal laws and regulations, in accordance with State procedures as published in State's current LOCAL ASSISTANCE PROCEDURES and STATE's Right-of-Way Manual, subject to STATE oversight to ensure that the completed work is acceptable under the Federal Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, as amended.
5. Whether or not federal-aid is to be requested for right of way, should ADMINISTERING AGENCY, in acquiring right of way for PROJECT, displace an individual, family, business, farm operation, or non-profit organization, relocation payments and services will be provided as set forth in 49 CFR, Part 24. The public will be adequately informed of the relocation payments and services which will be available, and, to the greatest extent practicable, no person lawfully occupying real property shall be required to move from his/her dwelling or to move his/her business or farm operation without at least ninety (90) days written notice from ADMINISTERING AGENCY. ADMINISTERING AGENCY will provide STATE with specific assurances, on each portion of the PROJECT, that no person will be displaced until comparable decent, safe and sanitary replacement housing is available within a reasonable period of time prior to displacement, and that ADMINISTERING AGENCY's relocation program is realistic and adequate to provide orderly, timely and efficient relocation of PROJECT-displaced persons as provided in 49 CFR, Part 24.

6. ADMINISTERING AGENCY shall, along with recording the deed or instrument evidencing title in the name of the ADMINISTERING AGENCY or their assignee, also record an Agreement Declaring Restrictive Covenants (ADRC) as a separate document incorporating the assurances included within Exhibits A and B and Appendices A, B, C and D of this AGREEMENT, as appropriate.

ARTICLE III - MAINTENANCE AND MANAGEMENT

1. ADMINISTERING AGENCY will maintain and operate the property acquired, developed, constructed, rehabilitated, or restored by PROJECT for its intended public use until such time as the parties might amend this AGREEMENT to otherwise provide. With the approval of STATE, ADMINISTERING AGENCY or its successors in interest in the PROJECT property may transfer this obligation and responsibility to maintain and operate PROJECT property for that intended public purpose to another public entity.
2. Upon ADMINISTERING AGENCY's acceptance of the completed federal-aid construction contract or upon contractor being relieved of the responsibility for maintaining and protecting PROJECT, ADMINISTERING AGENCY will be responsible for the maintenance, ownership, liability, and the expense thereof, for PROJECT in a manner satisfactory to the authorized representatives of STATE and FHWA and if PROJECT falls within the jurisdictional limits of another Agency or Agencies, it is the duty of ADMINISTERING AGENCY to facilitate a separate maintenance agreement(s) between itself and the other jurisdictional Agency or Agencies providing for the operation, maintenance, ownership and liability of PROJECT. Until those agreements are executed, ADMINISTERING AGENCY will be responsible for all PROJECT operations, maintenance, ownership and liability in a manner satisfactory to the authorized representatives of STATE and FHWA. If, within ninety (90) days after receipt of notice from STATE that a PROJECT, or any portion thereof, is not being properly operated and maintained and ADMINISTERING AGENCY has not satisfactorily remedied the conditions complained of, the approval of future federal-aid projects of ADMINISTERING AGENCY will be withheld until the PROJECT shall have been put in a condition of operation and maintenance satisfactory to STATE and FHWA. The provisions of this section shall not apply to a PROJECT that has been vacated through due process of law with STATE's concurrence.
3. PROJECT and its facilities shall be maintained by an adequate and well-trained staff of engineers and/or such other professionals and technicians as PROJECT reasonably requires. Said operations and maintenance staff may be employees of ADMINISTERING AGENCY, another unit of government, or a contractor under agreement with ADMINISTERING AGENCY. All maintenance will be performed at regular intervals or as required for efficient operation of the complete PROJECT improvements.

ARTICLE IV - FISCAL PROVISIONS

1. All contractual obligations of STATE are subject to the appropriation of resources by the Legislature and the allocation of resources by the California Transportation Commission (CTC).
2. STATE'S financial commitment of federal funds will occur only upon the execution of this AGREEMENT, the authorization of the project-specific E-76 or E-76 (AMOD), the execution of each project-specific PROGRAM SUPPLEMENT, and STATE's approved finance letter.
3. ADMINISTERING AGENCY may submit signed invoices in arrears for reimbursement of participating PROJECT costs on a regular basis once the project-specific PROGRAM SUPPLEMENT has been executed by STATE.
4. ADMINISTERING AGENCY agrees, as a minimum, to submit invoices at least once every six (6) months commencing after the funds are encumbered on either the project-specific PROGRAM SUPPLEMENT or through a project-specific finance letter approved by STATE. STATE reserves the right to suspend future authorizations/obligations, and invoice payments for any on-going or future federal-aid project by ADMINISTERING AGENCY if PROJECT costs have not been invoiced by ADMINISTERING AGENCY for a six (6) month period.
5. Invoices shall be submitted on ADMINISTERING AGENCY letterhead that includes the address of ADMINISTERING AGENCY and shall be formatted in accordance with LOCAL ASSISTANCE PROCEDURES.
6. ADMINISTERING AGENCY must have at least one copy of supporting backup documentation for costs incurred and claimed for reimbursement by ADMINISTERING AGENCY. ADMINISTERING AGENCY agrees to submit supporting backup documentation with invoices if requested by State. Acceptable backup documentation includes, but is not limited to, agency's progress payment to the contractors, copies of cancelled checks showing amounts made payable to vendors and contractors, and/or a computerized summary of PROJECT costs.
7. Payments to ADMINISTERING AGENCY can only be released by STATE as reimbursement of actual allowable PROJECT costs already incurred and paid for by ADMINISTERING AGENCY.
8. Indirect Cost Allocation Plans/Indirect Cost Rate Proposals (ICAP/ICRP), Central Service Cost Allocation Plans and related documentation are to be prepared and provided to STATE (Caltrans Audits & Investigations) for review and approval prior to ADMINISTERING AGENCY seeking reimbursement of indirect costs incurred within each fiscal year being claimed for State and federal reimbursement. ICAPs/ICRPs must be prepared in accordance with the requirements set forth in 2 CFR, Part 200, Chapter 5 of the Local Assistance Procedural Manual, and the ICAP/ICRP approval procedures established by STATE.
9. Once PROJECT has been awarded, STATE reserves the right to de-obligate any excess federal funds from the construction phase of PROJECT if the contract award amount is less than the obligated amount, as shown on the PROJECT E-76 or E-76 (AMOD).
10. STATE will withhold the greater of either two (2) percent of the total of all federal funds encumbered for each PROGRAM SUPPLEMENT or \$40,000 until ADMINISTERING AGENCY submits the Final Report of Expenditures for each completed PROGRAM SUPPLEMENT PROJECT.

11. The estimated total cost of PROJECT, the amount of federal funds obligated, and the required matching funds may be adjusted by mutual consent of the PARTIES hereto with a finance letter, a detailed estimate, if required, and approved E-76 (AMOD). Federal-aid funding may be increased to cover PROJECT cost increases only if such funds are available and FHWA concurs with that increase.
12. When additional federal-aid funds are not available, ADMINISTERING AGENCY agrees that the payment of federal funds will be limited to the amounts authorized on the PROJECT specific E-76 / E-76 (AMOD) and agrees that any increases in PROJECT costs must be defrayed with ADMINISTERING AGENCY's own funds.
13. ADMINISTERING AGENCY shall use its own non-federal funds to finance the local share of eligible costs and all expenditures or contract items ruled ineligible for financing with federal funds. STATE shall make the determination of ADMINISTERING AGENCY's cost eligibility for federal fund financing of PROJECT costs.
14. ADMINISTERING AGENCY will reimburse STATE for STATE's share of costs for work performed by STATE at the request of ADMINISTERING AGENCY. STATE's costs shall include overhead assessments in accordance with section 8755.1 of the State Administrative Manual.
15. Federal and state funds allocated from the State Transportation Improvement Program (STIP) are subject to the timely use of funds provisions enacted by Senate Bill 45, approved in 1997, and subsequent STIP Guidelines and State procedures approved by the CTC and STATE.
16. Federal funds encumbered for PROJECT are available for liquidation for a period of six (6) years from the beginning of the State fiscal year the funds were appropriated in the State Budget. State funds encumbered for PROJECT are available for liquidation only for six (6) years from the beginning of the State fiscal year the funds were appropriated in the State Budget. Federal or state funds not liquidated within these periods will be reverted unless a Cooperative Work Agreement (CWA) is submitted by ADMINISTERING AGENCY and approved by the California Department of Finance (per Government Code section 16304). The exact date of fund reversion will be reflected in the STATE signed finance letter for PROJECT.
17. Payments to ADMINISTERING AGENCY for PROJECT-related travel and subsistence (per diem) expenses of ADMINISTERING AGENCY forces and its contractors and subcontractors claimed for reimbursement or as local match credit shall not exceed rates authorized to be paid rank and file STATE employees under current State Department of Personnel Administration (DPA) rules. If the rates invoiced by ADMINISTERING AGENCY are in excess of DPA rates, ADMINISTERING AGENCY is responsible for the cost difference, and any overpayments inadvertently paid by STATE shall be reimbursed to STATE by ADMINISTERING AGENCY on demand within thirty (30) days of such invoice.
18. ADMINISTERING AGENCY agrees to comply with 2 CFR, Part 200, Uniform Administrative Requirements, Cost Principles and Audit Requirement for Federal Awards.
19. ADMINISTERING AGENCY agrees, and will assure that its contractors and subcontractors will be obligated to agree, that Contract Cost Principles and Procedures, 48 CFR, Federal Acquisition Regulations System, Chapter 1, Part 31, et seq., shall be used to determine the allowability of individual PROJECT cost items.

20. Every sub-recipient receiving PROJECT funds under this AGREEMENT shall comply with 2 CFR, Part 200, 23 CFR, 48 CFR Chapter 1, Part 31, Local Assistance Procedures, Public Contract Code (PCC) 10300-10334 (procurement of goods), PCC 10335-10381 (non-A&E services), and other applicable STATE and FEDERAL regulations.

21. Any PROJECT costs for which ADMINISTERING AGENCY has received payment or credit that are determined by subsequent audit to be unallowable under 2 CFR, Part 200, 23 CFR, 48 CFR, Chapter 1, Part 31, and other applicable STATE and FEDERAL regulations, are subject to repayment by ADMINISTERING AGENCY to STATE.

22. Should ADMINISTERING AGENCY fail to refund any moneys due upon written demand by STATE as provided hereunder or should ADMINISTERING AGENCY breach this AGREEMENT by failing to complete PROJECT without adequate justification and approval by STATE, then, within thirty 30 days of demand, or within such other period as may be agreed to in writing between the PARTIES, STATE, acting through the State Controller, the State Treasurer, or any other public entity or agency, may withhold or demand a transfer of an amount equal to the amount paid by or owed to STATE from future apportionments, or any other funds due ADMINISTERING AGENCY from the Highway Users Tax Fund or any other sources of funds, and/or may withhold approval of future ADMINISTERING AGENCY federal-aid projects.

23. Should ADMINISTERING AGENCY be declared to be in breach of this AGREEMENT or otherwise in default thereof by STATE, and if ADMINISTERING AGENCY is constituted as a joint powers authority, special district, or any other public entity not directly receiving funds through the State Controller, STATE is authorized to obtain reimbursement from whatever sources of funding are available, including the withholding or transfer of funds, pursuant to Article IV - 22, from those constituent entities comprising a joint powers authority or by bringing of an action against ADMINISTERING AGENCY or its constituent member entities, to recover all funds provided by STATE hereunder.

24. ADMINISTERING AGENCY acknowledges that the signatory party represents the ADMINISTERING AGENCY and further warrants that there is nothing within a Joint Powers Agreement, by which ADMINISTERING AGENCY was created, if any exists, that would restrict or otherwise limit STATE's ability to recover State funds improperly spent by ADMINISTERING AGENCY in contravention of the terms of this AGREEMENT.

ARTICLE V
AUDITS, THIRD PARTY CONTRACTING, RECORDS RETENTION AND REPORTS

1. STATE reserves the right to conduct technical and financial audits of PROJECT work and records and ADMINISTERING AGENCY agrees, and shall require its contractors and subcontractors to agree, to cooperate with STATE by making all appropriate and relevant PROJECT records available for audit and copying as required by paragraph three (3) of ARTICLE V.
2. ADMINISTERING AGENCY, its contractors and subcontractors shall establish and maintain a financial management system and records that properly accumulate and segregate reasonable, allowable, and allocable incurred PROJECT costs and matching funds by line item for the PROJECT. The financial management system of ADMINISTERING AGENCY, its contractors and all subcontractors shall conform to Generally Accepted Accounting Principles, enable the determination of incurred costs at interim points of completion, and provide support for reimbursement payment vouchers or invoices sent to or paid by STATE.
3. ADMINISTERING AGENCY, ADMINISTERING AGENCY's contractors and subcontractors, and STATE shall each maintain and make available for inspection and audit by STATE, the California State Auditor, or any duly authorized representative of STATE or the United States all books, documents, papers, accounting records, and other evidence pertaining to the performance of such contracts, including, but not limited to, the costs of administering those various contracts and ADMINISTERING AGENCY shall furnish copies thereof if requested. All of the above referenced parties shall make such AGREEMENT, PROGRAM SUPPLEMENT and contract materials available at their respective offices at all reasonable times during the entire PROJECT period and for three (3) years from the date of submission of the final expenditure report by the STATE to the FHWA.
4. ADMINISTERING AGENCY is required to have an audit in accordance with the Single Audit Act of 2 CFR 200 if it expends \$750,000 or more in Federal Funds in a single fiscal year. The Federal Funds received under a PROGRAM SUPPLEMENT are a part of the Catalogue of Federal Domestic Assistance (CFDA) 20.205.
5. ADMINISTERING AGENCY agrees to include all PROGRAM SUPPLEMENTS adopting the terms of this AGREEMENT in the schedule of projects to be examined in ADMINISTERING AGENCY's annual audit and in the schedule of projects to be examined under its single audit prepared in accordance with 2 CFR, Part 200.
6. ADMINISTERING AGENCY shall not award a non-A&E contract over \$5,000, construction contract over \$10,000, or other contracts over \$25,000 (excluding professional service contracts of the type which are required to be procured in accordance with Government Code sections 4525 (d), (e) and (f)) on the basis of a noncompetitive negotiation for work to be performed under this AGREEMENT without the prior written approval of STATE. Contracts awarded by ADMINISTERING AGENCY, if intended as local match credit, must meet the requirements set forth in this AGREEMENT regarding local match funds.

7. Any subcontract entered into by ADMINISTERING AGENCY as a result of this AGREEMENT shall contain provisions 5, 6, 17, 19 and 20 of ARTICLE IV, FISCAL PROVISIONS, and provisions 1, 2, and 3 of this ARTICLE V, AUDITS, THIRD-PARTY CONTRACTING RECORDS RETENTION AND REPORTS,

8. To be eligible for local match credit, ADMINISTERING AGENCY must ensure that local match funds used for a PROJECT meet the fiscal provisions requirements outlined in ARTICLE IV in the same manner as required of all other PROJECT expenditures.

9. In addition to the above, the pre-award requirements of third-party contractor/consultants with ADMINISTERING AGENCY should be consistent with the LOCAL ASSISTANCE PROCEDURES.

ARTICLE VI - FEDERAL LOBBYING ACTIVITIES CERTIFICATION

1. By execution of this AGREEMENT, ADMINISTERING AGENCY certifies, to the best of the signatory officer's knowledge and belief, that:

A. No federal or state appropriated funds have been paid or will be paid, by or on behalf of ADMINISTERING AGENCY, to any person for influencing or attempting to influence an officer or employee of any STATE or federal agency, a member of the State Legislature or United States Congress, an officer or employee of the Legislature or Congress, or any employee of a Member of the Legislature or Congress in connection with the awarding of any STATE or federal contract, including this AGREEMENT, the making of any STATE or federal loan, the entering into of any cooperative contract, and the extension, continuation, renewal, amendment, or modification of any STATE or federal contract, grant, loan, or cooperative contract.

B. If any funds other than federal appropriated funds have been paid, or will be paid, to any person for influencing or attempting to influence an officer or employee of any federal agency, a member of Congress, an officer or employee of Congress or an employee of a member of Congress in connection with this AGREEMENT, grant, local, or cooperative contract, ADMINISTERING AGENCY shall complete and submit Standard Form-LLL, "Disclosure Form to Rep Lobbying," in accordance with the form instructions.

C. This certification is a material representation of fact upon which reliance was placed when this AGREEMENT and each PROGRAM SUPPLEMENT was or will be made or entered into. Submission of this certification is a prerequisite for making or entering into this AGREEMENT imposed by Section 1352, Title 31, United States Code. Any party who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

2. ADMINISTERING AGENCY also agrees by signing this AGREEMENT that the language of this certification will be included in all lower tier sub-agreements which exceed \$100,000 and that all such sub-recipients shall certify and disclose accordingly.

ARTICLE VII - MISCELLANEOUS PROVISIONS

1. ADMINISTERING AGENCY agrees to use all state funds reimbursed hereunder only for transportation purposes that are in conformance with Article XIX of the California State Constitution and the relevant Federal Regulations.
2. This AGREEMENT is subject to any additional restrictions, limitations, conditions, or any statute enacted by the State Legislature or adopted by the CTC that may affect the provisions, terms, or funding of this AGREEMENT in any manner.
3. ADMINISTERING AGENCY and the officers and employees of ADMINISTERING AGENCY, when engaged in the performance of this AGREEMENT, shall act in an independent capacity and not as officers, employees or agents of STATE or the federal government.
4. Each project-specific E-76 or E-76 (AMOD), PROGRAM SUPPLEMENT and Finance Letter shall separately establish the terms and funding limits for each described PROJECT funded under the AGREEMENT. No federal or state funds are obligated against this AGREEMENT.
5. ADMINISTERING AGENCY certifies that neither ADMINISTERING AGENCY nor its principals are suspended or debarred at the time of the execution of this AGREEMENT. ADMINISTERING AGENCY agrees that it will notify STATE immediately in the event a suspension or a debarment occurs after the execution of this AGREEMENT.
6. ADMINISTERING AGENCY certifies, by execution of this AGREEMENT, that no person or selling agency has been employed or retained to solicit or secure this AGREEMENT upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee, excepting bona fide employees or bona fide established commercial or selling agencies maintained by ADMINISTERING AGENCY for the purpose of securing business. For breach or violation of this warranty, STATE has the right to annul this AGREEMENT without liability, pay only for the value of the work actually performed, or in STATE's discretion, to deduct from the price of consideration, or otherwise recover, the full amount of such commission, percentage, brokerage, or contingent fee.
7. In accordance with Public Contract Code section 10296, ADMINISTERING AGENCY hereby certifies under penalty of perjury that no more than one final unappealable finding of contempt of court by a federal court has been issued against ADMINISTERING AGENCY within the immediate preceding two (2) year period because of ADMINISTERING AGENCY's failure to comply with an order of a federal court that orders ADMINISTERING AGENCY to comply with an order of the National Labor Relations Board.
8. ADMINISTERING AGENCY shall disclose any financial, business, or other relationship with STATE, FHWA or Federal Transit Administration (FTA) that may have an impact upon the outcome of this AGREEMENT. ADMINISTERING AGENCY shall also list current contractors who may have a financial interest in the outcome of this AGREEMENT.
9. ADMINISTERING AGENCY hereby certifies that it does not have nor shall it acquire any financial or business interest that would conflict with the performance of PROJECT under this AGREEMENT.

10. ADMINISTERING AGENCY certifies that this AGREEMENT was not obtained or secured through rebates, kickbacks or other unlawful consideration either promised or paid to any STATE employee. For breach or violation of this warranty, STATE shall have the right, in its discretion, to terminate this AGREEMENT without liability, to pay only for the work actually performed, or to deduct from the PROGRAM SUPPLEMENT price or otherwise recover the full amount of such rebate, kickback, or other unlawful consideration.

11. Any dispute concerning a question of fact arising under this AGREEMENT that is not disposed of by agreement shall be decided by the STATE's Contract Officer who may consider any written or verbal evidence submitted by ADMINISTERING AGENCY. The decision of the Contract Officer, issued in writing, shall be conclusive and binding on the PARTIES on all questions of fact considered and determined by the Contract Officer.

12. Neither the pending of a dispute nor its consideration by the Contract Officer will excuse ADMINISTERING AGENCY from full and timely performance in accordance with the terms of this AGREEMENT.

13. Neither ADMINISTERING AGENCY nor any officer or employee thereof is responsible for any injury, damage or liability occurring by reason of anything done or omitted to be done by STATE, under or in connection with any work, authority or jurisdiction arising under this AGREEMENT. It is understood and agreed that STATE shall fully defend, indemnify and save harmless the ADMINISTERING AGENCY and all of its officers and employees from all claims, suits or actions of every name, kind and description brought forth under, including, but not limited to, tortious, contractual, inverse condemnation and other theories or assertions of liability occurring by reason of anything done or omitted to be done by STATE under this AGREEMENT.

14. Neither STATE nor any officer or employee thereof shall be responsible for any injury, damage or liability occurring by reason of anything done or omitted to be done by ADMINISTERING AGENCY under, or in connection with, any work, authority or jurisdiction arising under this AGREEMENT. It is understood and agreed that ADMINISTERING AGENCY shall fully defend, indemnify and save harmless STATE and all of its officers and employees from all claims, suits or actions of every name, kind and description brought forth under, including, but not limited to, tortious, contractual, inverse condemnation or other theories or assertions of liability occurring by reason of anything done or omitted to be done by ADMINISTERING AGENCY under this AGREEMENT.

15. STATE reserves the right to terminate funding for any PROJECT upon written notice to ADMINISTERING AGENCY in the event that ADMINISTERING AGENCY fails to proceed with PROJECT work in accordance with the project-specific PROGRAM SUPPLEMENT, the bonding requirements if applicable, or otherwise violates the conditions of this AGREEMENT and/or PROGRAM SUPPLEMENT, or the funding allocation such that substantial performance is significantly endangered.

16. No termination shall become effective if, within thirty (30) days after receipt of a Notice of Termination, ADMINISTERING AGENCY either cures the default involved or, if not reasonably susceptible of cure within said thirty (30) day period, ADMINISTERING AGENCY proceeds thereafter to complete the cure in a manner and time line acceptable to STATE. Any such termination shall be accomplished by delivery to ADMINISTERING AGENCY of a Notice of Termination, which notice shall become effective not less than thirty (30) days after receipt, specifying the reason for the termination, the extent to which funding of work under this AGREEMENT is terminated and the date upon which such termination becomes effective, if beyond thirty (30) days after receipt. During the period before the effective termination date, ADMINISTERING AGENCY and STATE shall meet to attempt to resolve any dispute. In the event of such termination, STATE may proceed with the PROJECT work in a manner deemed proper by STATE. If STATE terminates funding for PROJECT with ADMINISTERING AGENCY, STATE shall pay ADMINISTERING AGENCY the sum due ADMINISTERING AGENCY under the PROGRAM SUPPLEMENT and/or STATE approved finance letter prior to termination, provided, however, ADMINISTERING AGENCY is not in default of the terms and conditions of this AGREEMENT or the project-specific PROGRAM SUPPLEMENT and that the cost of PROJECT completion to STATE shall first be deducted from any sum due ADMINISTERING AGENCY.

17. In case of inconsistency or conflicts with the terms of this AGREEMENT and that of a project-specific PROGRAM SUPPLEMENT, the terms stated in that PROGRAM SUPPLEMENT shall prevail over those in this AGREEMENT.

18. Without the written consent of STATE, this AGREEMENT is not assignable by ADMINISTERING AGENCY either in whole or in part.

19. No alteration or variation of the terms of this AGREEMENT shall be valid unless made in writing and signed by the PARTIES, and no oral understanding or agreement not incorporated herein shall be binding on any of the PARTIES.

IN WITNESS WHEREOF, the PARTIES have executed this AGREEMENT by their duly authorized officers.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

City of Rocklin

By _____

By _____

Chief, Office of Project Implementation
Division of Local Assistance

City of Rocklin
Representative Name & Title
(Authorized Governing Body Representative)

Date _____

Date _____

EXHIBIT A

FAIR EMPLOYMENT PRACTICES ADDENDUM

1. In the performance of this Agreement, ADMINISTERING AGENCY will not discriminate against any employee for employment because of race, color, sex, sexual orientation, religion, ancestry or national origin, physical disability, medical condition, marital status, political affiliation, family and medical care leave, pregnancy leave, or disability leave. ADMINISTERING AGENCY will take affirmative action to ensure that employees are treated during employment without regard to their race, sex, sexual orientation, color, religion, ancestry, or national origin, physical disability, medical condition, marital status, political affiliation, family and medical care leave, pregnancy leave, or disability leave. Such action shall include, but not be limited to, the following: employment; upgrading; demotion or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. ADMINISTERING AGENCY shall post in conspicuous places, available to employees for employment, notices to be provided by STATE setting forth the provisions of this Fair Employment section.

2. ADMINISTERING AGENCY, its contractor(s) and all subcontractors shall comply with the provisions of the Fair Employment and Housing Act (Government Code Section 1290-0 et seq.), and the applicable regulations promulgated thereunder (California code of Regulations, Title 2, Section 7285.0 et seq.). The applicable regulations of the Fair Employment and Housing Commission implementing Government Code, Section 12900(a-f), set forth in Chapter 5 of Division 4 of Title 2 of the California Code of Regulations are incorporated into this AGREEMENT by reference and made a part hereof as if set forth in full. Each of the ADMINISTERING AGENCY'S contractors and all subcontractors shall give written notice of their obligations under this clause to labor organizations with which they have a collective bargaining or other agreements, as appropriate.

3. ADMINISTERING AGENCY shall include the nondiscrimination and compliance provisions of this clause in all contracts and subcontracts to perform work under this AGREEMENT.

4. ADMINISTERING AGENCY will permit access to the records of employment, employment advertisements, application forms, and other pertinent data and records by STATE, the State Fair Employment and Housing Commission, or any other agency of the State of California designated by STATE, for the purposes of investigation to ascertain compliance with the Fair Employment section of this Agreement.

5. Remedies for Willful Violation:

(a) STATE may determine a willful violation of the Fair Employment provision to have occurred upon receipt of a final judgment to that effect from a court in an action to which ADMINISTERING AGENCY was a party, or upon receipt of a written notice from the Fair Employment and Housing Commission that it has investigated and determined that ADMINISTERING AGENCY has violated the Fair Employment Practices Act and had issued an order under Labor Code Section 1426 which has become final or has obtained an injunction under Labor Code Section 1429.

(b) For willful violation of this Fair Employment Provision, STATE shall have the right to terminate this Agreement either in whole or in part, and any loss or damage sustained by STATE in securing the goods or services thereunder shall be borne and paid for by ADMINISTERING AGENCY and by the surety under the performance bond, if any, and STATE may deduct from any moneys due or thereafter may become due to ADMINISTERING AGENCY, the difference between the price named in the Agreement and the actual cost thereof to STATE to cure ADMINISTERING AGENCY's breach of this Agreement.

EXHIBIT B

NONDISCRIMINATION ASSURANCES

ADMINISTERING AGENCY HEREBY AGREES THAT, as a condition to receiving any federal financial assistance from the STATE, acting for the U.S. Department of Transportation, it will comply with Title VI of the Civil Rights Act of 1964, 78 Stat. 252, 42 U.S.C. 2000d-42 U.S.C. 2000d-4 (hereinafter referred to as the ACT), and all requirements imposed by or pursuant to Title 49, Code of Federal Regulations, Department of Transportation, Subtitle A, Office of the Secretary, Part 21, "Nondiscrimination in Federally-Assisted Programs of the Department of Transportation - Effectuation of Title VI of the Civil Rights Act of 1964" (hereinafter referred to as the REGULATIONS), the Federal-aid Highway Act of 1973, and other pertinent directives, to the end that in accordance with the ACT, REGULATIONS, and other pertinent directives, no person in the United States shall, on the grounds of race, color, sex, national origin, religion, age or disability, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity for which ADMINISTERING AGENCY receives federal financial assistance from the Federal Department of Transportation. ADMINISTERING AGENCY HEREBY GIVES ASSURANCE THAT ADMINISTERING AGENCY will promptly take any measures necessary to effectuate this agreement. This assurance is required by subsection 21.7(a) (1) of the REGULATIONS.

More specifically, and without limiting the above general assurance, ADMINISTERING AGENCY hereby gives the following specific assurances with respect to its federal-aid Program:

1. That ADMINISTERING AGENCY agrees that each "program" and each "facility" as defined in subsections 21.23 (e) and 21.23 (b) of the REGULATIONS, will be (with regard to a "program") conducted, or will be (with regard to a "facility") operated in compliance with all requirements imposed by, or pursuant to, the REGULATIONS.

2. That ADMINISTERING AGENCY shall insert the following notification in all solicitations for bids for work or material subject to the REGULATIONS made in connection with the federal-aid Program and, in adapted form, in all proposals for negotiated agreements:

ADMINISTERING AGENCY hereby notifies all bidders that it will affirmatively insure that in any agreement entered into pursuant to this advertisement, minority business enterprises will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, sex, national origin, religion, age, or disability in consideration for an award.

3. That ADMINISTERING AGENCY shall insert the clauses of Appendix A of this assurance in every agreement subject to the ACT and the REGULATIONS.

4. That the clauses of Appendix B of this Assurance shall be included as a covenant running with the land, in any deed effecting a transfer of real property, structures, or improvements thereon, or interest therein.

5. That where ADMINISTERING AGENCY receives federal financial assistance to construct a facility, or part of a facility, the Assurance shall extend to the entire facility and facilities operated in connection therewith.

6. That where ADMINISTERING AGENCY receives federal financial assistance in the form, or for the acquisition, of real property or an interest in real property, the Assurance shall extend to rights to space on, over, or under such property.

7. That ADMINISTERING AGENCY shall include the appropriate clauses set forth in Appendix C and D of this Assurance, as a covenant running with the land, in any future deeds, leases, permits, licenses, and similar agreements entered into by the ADMINISTERING AGENCY with other parties:

Appendix C;

(a) for the subsequent transfer of real property acquired or improved under the federal-aid Program; and

Appendix D;

(b) for the construction or use of or access to space on, over, or under real property acquired, or improved under the federal-aid Program.

8. That this assurance obligates ADMINISTERING AGENCY for the period during which federal financial assistance is extended to the program, except where the federal financial assistance is to provide, or is in the form of, personal property or real property or interest therein, or structures, or improvements thereon, in which case the assurance obligates ADMINISTERING AGENCY or any transferee for the longer of the following periods:

(a) the period during which the property is used for a purpose for which the federal financial assistance is extended, or for another purpose involving the provision of similar services or benefits; or

(b) the period during which ADMINISTERING AGENCY retains ownership or possession of the property.

9. That ADMINISTERING AGENCY shall provide for such methods of administration for the program as are found by the U.S. Secretary of Transportation, or the official to whom he delegates specific authority, to give reasonable guarantee that ADMINISTERING AGENCY, other recipients, sub-grantees, applicants, sub-applicants, transferees, successors in interest, and other participants of federal financial assistance under such program will comply with all requirements imposed by, or pursuant to, the ACT, the REGULATIONS, this Assurance and the Agreement.

10. That ADMINISTERING AGENCY agrees that the United States and the State of California have a right to seek judicial enforcement with regard to any matter arising under the ACT, the REGULATIONS, and this Assurance.

11. ADMINISTERING AGENCY shall not discriminate on the basis of race, religion, age, disability, color, national origin or sex in the award and performance of any STATE assisted contract or in the administration on its DBE Program or the requirements of 49 CFR Part 26. ADMINISTERING AGENCY shall take all necessary and reasonable steps under 49 CFR Part 26 to ensure non-discrimination in the award and administration of STATE assisted contracts. ADMINISTERING AGENCY'S DBE Implementation Agreement is incorporated by reference in this AGREEMENT. Implementation of this program is a legal obligation and failure to carry out its terms shall be treated as a violation of this agreement. Upon notification to the recipient of its failure to carry out its approved DBE Implementation Agreement, STATE may impose sanctions as provided for under 49 CFR Part 26 and may, in appropriate cases, refer the matter for enforcement under 18 USC 1001 and/or the Program Fraud Civil Remedies Act of 1985 (31USC 3801 et seq.)

THESE ASSURANCES are given in consideration of and for the purpose of obtaining any and all federal grants, loans, agreements, property, discounts or other federal financial assistance extended after the date hereof to ADMINISTERING AGENCY by STATE, acting for the U.S. Department of Transportation, and is binding on ADMINISTERING AGENCY, other recipients, subgrantees, applicants, sub-applicants, transferees, successors in interest and other participants in the federal-aid Highway Program.

APPENDIX A TO EXHIBIT B

During the performance of this Agreement, ADMINISTERING AGENCY, for itself, its assignees and successors in interest (hereinafter collectively referred to as ADMINISTERING AGENCY) agrees as follows:

(1) Compliance with Regulations: ADMINISTERING AGENCY shall comply with the regulations relative to nondiscrimination in federally assisted programs of the Department of Transportation, Title 49, Code of Federal Regulations, Part 21, as they may be amended from time to time, (hereinafter referred to as the REGULATIONS), which are herein incorporated by reference and made a part of this agreement.

(2) Nondiscrimination: ADMINISTERING AGENCY, with regard to the work performed by it during the AGREEMENT, shall not discriminate on the grounds of race, color, sex, national origin, religion, age, or disability in the selection and retention of sub-applicants, including procurements of materials and leases of equipment. ADMINISTERING AGENCY shall not participate either directly or indirectly in the discrimination prohibited by Section 21.5 of the REGULATIONS, including employment practices when the agreement covers a program set forth in Appendix B of the REGULATIONS.

(3) Solicitations for Sub-agreements, Including Procurements of Materials and Equipment: In all solicitations either by competitive bidding or negotiation made by ADMINISTERING AGENCY for work to be performed under a Sub-agreement, including procurements of materials or leases of equipment, each potential sub-applicant or supplier shall be notified by ADMINISTERING AGENCY of the ADMINISTERING AGENCY's obligations under this Agreement and the REGULATIONS relative to nondiscrimination on the grounds of race, color, or national origin.

(4) Information and Reports: ADMINISTERING AGENCY shall provide all information and reports required by the REGULATIONS, or directives issued pursuant thereto, and shall permit access to ADMINISTERING AGENCY's books, records, accounts, other sources of information, and its facilities as may be determined by STATE or FHWA to be pertinent to ascertain compliance with such REGULATIONS or directives. Where any information required of ADMINISTERING AGENCY is in the exclusive possession of another who fails or refuses to furnish this information, ADMINISTERING AGENCY shall so certify to STATE or the FHWA as appropriate, and shall set forth what efforts ADMINISTERING AGENCY has made to obtain the information.

(5) Sanctions for Noncompliance: In the event of ADMINISTERING AGENCY's noncompliance with the nondiscrimination provisions of this agreement, STATE shall impose such agreement sanctions as it or the FHWA may determine to be appropriate, including, but not limited to:

(a) withholding of payments to ADMINISTERING AGENCY under the Agreement within a reasonable period of time, not to exceed 90 days; and/or

(b) cancellation, termination or suspension of the Agreement, in whole or in part.

(6) Incorporation of Provisions: ADMINISTERING AGENCY shall include the provisions of paragraphs (1) through (6) in every sub-agreement, including procurements of materials and leases of equipment, unless exempt by the REGULATIONS, or directives issued pursuant thereto. ADMINISTERING AGENCY shall take such action with respect to any sub-agreement or procurement as STATE or FHWA may direct as a means of enforcing such provisions including sanctions for noncompliance, provided, however, that, in the event ADMINISTERING AGENCY becomes involved in, or is threatened with, litigation with a sub-applicant or supplier as a result of such direction, ADMINISTERING AGENCY may request STATE enter into such litigation to protect the interests of STATE, and, in addition, ADMINISTERING AGENCY may request the United States to enter into such litigation to protect the interests of the United States.

The following clauses shall be included in any and all deeds effecting or recording the transfer of PROJECT real property, structures or improvements thereon, or interest therein from the United States.

(GRANTING CLAUSE)

NOW, THEREFORE, the U.S. Department of Transportation, as authorized by law, and upon the condition that ADMINISTERING AGENCY will accept title to the lands and maintain the project constructed thereon, in accordance with Title 23, United States Code, the Regulations for the Administration of federal-aid for Highways and the policies and procedures prescribed by the Federal Highway Administration of the Department of Transportation and, also in accordance with and in compliance with the Regulations pertaining to and effectuating the provisions of Title VI of the Civil Rights Act of 1964 (78 Stat. 252; 42 U.S.C. 2000d to 2000d-4), does hereby remise, release, quitclaim and convey unto the ADMINISTERING AGENCY all the right, title, and interest of the U.S. Department of Transportation in, and to, said lands described in Exhibit "A" attached hereto and made a part hereof.

(HABENDUM CLAUSE)

TO HAVE AND TO HOLD said lands and interests therein unto ADMINISTERING AGENCY and its successors forever, subject, however, to the covenant, conditions, restrictions and reservations herein contained as follows, which will remain in effect for the period during which the real property or structures are used for a purpose for which federal financial assistance is extended or for another purpose involving the provision of similar services or benefits and shall be binding on ADMINISTERING AGENCY, its successors and assigns.

ADMINISTERING AGENCY, in consideration of the conveyance of said lands and interests in lands, does hereby covenant and agree as a covenant running with the land for itself, its successors and assigns,

(1) that no person shall on the grounds of race, color, sex, national origin, religion, age or disability, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination with regard to any facility located wholly or in part on, over, or under such lands hereby conveyed (;) (and) *

(2) that ADMINISTERING AGENCY shall use the lands and interests in lands so conveyed, in compliance with all requirements imposed by or pursuant to Title 49, Code of Federal Regulations, Department of Transportation, Subtitle A, Office of the Secretary, Part 21, Non-discrimination in federally-assisted programs of the Department of Transportation - Effectuation of Title VI of the Civil Rights Act of 1964, and as said Regulations may be amended (;) and

(3) that in the event of breach of any of the above-mentioned nondiscrimination conditions, the U.S. Department of Transportation shall have a right to re-enter said lands and facilities on said land, and the above-described land and facilities shall thereon revert to and vest in and become the absolute property of the U.S. Department of Transportation and its assigns as such interest existed prior to this deed.*

* Reverter clause and related language to be used only when it is determined that such a clause is necessary in order to effectuate the purposes of Title VI of the Civil Rights Act of 1964.

APPENDIX C TO EXHIBIT B

The following clauses shall be included in any and all deeds, licenses, leases, permits, or similar instruments entered into by ADMINISTERING AGENCY, pursuant to the provisions of Assurance 7(a) of Exhibit B.

The grantee (licensee, lessee, permittee, etc., as appropriate) for himself, his heirs, personal representatives, successors in interest, and assigns, as a part of the consideration hereof, does hereby covenant and agree (in the case of deeds and leases add "as covenant running with the land") that in the event facilities are constructed, maintained, or otherwise operated on the said property described in this (deed, license, lease, permit, etc.) for a purpose for which a U.S. Department of Transportation program or activity is extended or for another purpose involving the provision of similar services or benefits, the (grantee, licensee, lessee, permittee, etc.), shall maintain and operate such facilities and services in compliance with all other requirements imposed pursuant to Title 49, Code of Federal Regulations, U.S. Department of Transportation, Subtitle A, Office of Secretary, Part 21, Nondiscrimination in federally-assisted programs of the Department of Transportation - Effectuation of Title VI of the Civil Rights Act of 1964, and as said Regulations may be amended.

(Include in licenses, leases, permits, etc.)*

That in the event of breach of any of the above nondiscrimination covenants, ADMINISTERING AGENCY shall have the right to terminate the (license, lease, permit etc.) and to re-enter and repossess said land and the facilities thereon, and hold the same as if said (license, lease, permit, etc.) had never been made or issued.

(Include in deeds)*

That in the event of breach of any of the above nondiscrimination covenants, ADMINISTERING AGENCY shall have the right to re-enter said land and facilities thereon, and the above-described lands and facilities shall thereupon revert to and vest in and become the absolute property of ADMINISTERING AGENCY and its assigns.

* Reverter clause and related language to be used only when it is determined that such a clause is necessary in order to effectuate the purposes of Title VI of the Civil Rights Act of 1964.

APPENDIX D TO EXHIBIT B

The following shall be included in all deeds, licenses, leases, permits, or similar agreements entered into by the ADMINISTERING AGENCY, pursuant to the provisions of Assurance 7 (b) of Exhibit B.

The grantee (licensee, lessee, permittee, etc., as appropriate) for himself, his personal representatives, successors in interest and assigns, as a part of the consideration hereof, does hereby covenant and agree (in the case of deeds, and leases add "as a covenant running with the land") that:

(1) no person on the ground of race, color, sex, national origin, religion, age or disability, shall be excluded from participation in, denied the benefits of, or otherwise subjected to discrimination in the use of said facilities;

(2) that in the construction of any improvements on, over, or under such land and the furnishing of services thereon, no person on the ground of race, color, sex, national origin, religion, age or disability shall be excluded from participation in, denied the benefits of, or otherwise be subjected to discrimination; and

(3) that the (grantee, licensee, lessee, permittee, etc.,) shall use the premises in compliance with the Regulations.

(Include in licenses, leases, permits, etc.)*

That in the event of breach of any of the above nondiscrimination covenants, ADMINISTERING AGENCY shall have the right to terminate the (license, lease, permit, etc.) and to re-enter and repossess said land and the facilities thereon, and hold the same as if said (license, lease, permit, etc.) had never been made or issued.

(Include in deeds)*

That in the event of breach of any of the above nondiscrimination covenants, ADMINISTERING AGENCY shall have the right to re-enter said land and facilities thereon, and the above-described lands and facilities shall thereupon revert to and vest in and become the absolute property of ADMINISTERING AGENCY, and its assigns.

* Reverter clause and related language to be used only when it is determined that such a clause is necessary in order to effectuate the purposes of Title VI of the Civil Rights Act of 1964.



RESOLUTION NO. 2016-

RESOLUTION OF THE CITY COUNCIL OF THE CITY OF ROCKLIN APPROVING AND AUTHORIZING THE CITY MANAGER TO EXECUTE PROGRAM SUPPLEMENT NO. N020-F REVISION 1 TO ADMINISTERING AGENCY-STATE FOR FEDERAL-AID PROJECTS NO. 03-5095F-15 (PACIFIC STREET ROUNDABOUT PROJECT)

The City Council of the City of Rocklin does resolve as follows:

Section 1. The City Council of the City of Rocklin hereby approves and authorizes the City Manager execute Program Supplement No. 020-F to Master Agreement No. 03-5095F-15 (Pacific Street and Rocklin Road).

PASSED AND ADOPTED this 26th day of July, 2016, by the following vote:

- AYES: Councilmembers:
NOES: Councilmembers:
ABSENT: Councilmembers:
ABSTAIN: Councilmembers:

Mayor

ATTEST:

Barbara Ivanusich, City Clerk

EXHIBIT A

PROGRAM SUPPLEMENT NO. F020
 to
 ADMINISTERING AGENCY-STATE AGREEMENT
 FOR FEDERAL-AID PROJECTS NO 03-5095F15

Adv Project ID Date: May 17, 2016
 0316000182 Location: 03-PLA-0-ROC
 Project Number: CML-5095(023)
 E.A. Number:
 Locode: 5095

This Program Supplement hereby adopts and incorporates the Administering Agency-State Agreement for Federal Aid which was entered into between the Administering Agency and the State on _____ and is subject to all the terms and conditions thereof. This Program Supplement is executed in accordance with Article I of the aforementioned Master Agreement under authority of Resolution No. _____ approved by the Administering Agency on _____ (See copy attached).

The Administering Agency further stipulates that as a condition to the payment by the State of any funds derived from sources noted below obligated to this PROJECT, the Administering Agency accepts and will comply with the special covenants or remarks set forth on the following pages.

PROJECT LOCATION:

Pacific Street and Rocklin Road

TYPE OF WORK: Construct Roundabout

LENGTH: 0.0(MILES)

Estimated Cost	Federal Funds		Matching Funds	
	M40E	\$	LOCAL	OTHER
\$300,000.00		\$300,000.00	\$0.00	\$0.00

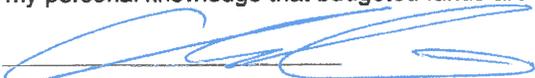
CITY OF ROCKLIN

STATE OF CALIFORNIA
 Department of Transportation

By _____
 Title _____
 Date _____
 Attest _____

By _____
 Chief, Office of Project Implementation
 Division of Local Assistance
 Date _____

I hereby certify upon my personal knowledge that budgeted funds are available for this encumbrance:

Accounting Officer  Date 5/17/16 \$300,000.00

Chapter	Statutes	Item	Year	Program	BC	Category	Fund Source	AMOUNT

SPECIAL COVENANTS OR REMARKS

1. A. The ADMINISTERING AGENCY will advertise, award and administer this project in accordance with the current published Local Assistance Procedures Manual.

B. ADMINISTERING AGENCY agrees that it will only proceed with work authorized for specific phase(s) with an "Authorization to Proceed" and will not proceed with future phase(s) of this project prior to receiving an "Authorization to Proceed" from the STATE for that phase(s) unless no further State or Federal funds are needed for those future phase(s).

C. STATE and ADMINISTERING AGENCY agree that any additional funds which might be made available by future Federal obligations will be encumbered on this PROJECT by use of a STATE-approved "Authorization to Proceed" and Finance Letter. ADMINISTERING AGENCY agrees that Federal funds available for reimbursement will be limited to the amounts obligated by the Federal Highway Administration.

D. Award information shall be submitted by the ADMINISTERING AGENCY to the District Local Assistance Engineer within 60 days of project contract award and prior to the submittal of the ADMINISTERING AGENCY'S first invoice for the construction contract.

Failure to do so will cause a delay in the State processing invoices for the construction phase. Attention is directed to Section 15.7 "Award Package" of the Local Assistance Procedures Manual.

E. ADMINISTERING AGENCY agrees, as a minimum, to submit invoices at least once every six months commencing after the funds are encumbered for each phase by the execution of this Project Program Supplement Agreement, or by STATE's approval of an applicable Finance Letter. STATE reserves the right to suspend future authorizations/obligations for Federal aid projects, or encumbrances for State funded projects, as well as to suspend invoice payments for any on-going or future project by ADMINISTERING AGENCY if PROJECT costs have not been invoiced by ADMINISTERING AGENCY for a six-month period.

If no costs have been invoiced for a six-month period, ADMINISTERING AGENCY agrees to submit for each phase a written explanation of the absence of PROJECT activity along with target billing date and target billing amount.

ADMINISTERING AGENCY agrees to submit the final report documents that collectively constitute a "Report of Expenditures" within one hundred eighty (180) days of PROJECT completion. Failure of ADMINISTERING AGENCY to submit a "Final Report of Expenditures" within 180 days of PROJECT completion will result in STATE imposing sanctions upon ADMINISTERING AGENCY in accordance with the current Local Assistance Procedures Manual.

F. Administering Agency shall not discriminate on the basis of race, religion, age, disability, color, national origin, or sex in the award and performance of any Federal-

SPECIAL COVENANTS OR REMARKS

assisted contract or in the administration of its DBE Program Implementation Agreement. The Administering Agency shall take all necessary and reasonable steps under 49 CFR Part 26 to ensure nondiscrimination in the award and administration of Federal-assisted contracts. The Administering Agency's DBE Implementation Agreement is incorporated by reference in this Agreement. Implementation of the DBE Implementation Agreement, including but not limited to timely reporting of DBE commitments and utilization, is a legal obligation and failure to carry out its terms shall be treated as a violation of this Agreement. Upon notification to the Administering Agency of its failure to carry out its DBE Implementation Agreement, the State may impose sanctions as provided for under 49 CFR Part 26 and may, in appropriate cases, refer the matter for enforcement under 18 U.S.C. 1001 and/or the Program Fraud Civil Remedies Act of 1986 (31 U.S.C. 3801 et seq.).

G. Any State and Federal funds that may have been encumbered for this project are available for disbursement for limited periods of time. For each fund encumbrance the limited period is from the start of the fiscal year that the specific fund was appropriated within the State Budget Act to the applicable fund Reversion Date shown on the State approved project finance letter. Per Government Code Section 16304, all project funds not liquidated within these periods will revert unless an executed Cooperative Work Agreement extending these dates is requested by the ADMINISTERING AGENCY and approved by the California Department of Finance.

ADMINISTERING AGENCY should ensure that invoices are submitted to the District Local Assistance Engineer at least 75 days prior to the applicable fund Reversion Date to avoid the lapse of applicable funds. Pursuant to a directive from the State Controller's Office and the Department of Finance; in order for payment to be made, the last date the District Local Assistance Engineer can forward an invoice for payment to the Department's Local Programs Accounting Office for reimbursable work for funds that are going to revert at the end of a particular fiscal year is May 15th of the particular fiscal year. Notwithstanding the unliquidated sums of project specific State and Federal funding remaining and available to fund project work, any invoice for reimbursement involving applicable funds that is not received by the Department's Local Programs Accounting Office at least 45 days prior to the applicable fixed fund Reversion Date will not be paid. These unexpended funds will be irrevocably reverted by the Department's Division of Accounting on the applicable fund Reversion Date.

H. As a condition for receiving federal-aid highway funds for the PROJECT, the Administering Agency certifies that NO members of the elected board, council, or other key decision makers are on the Federal Government Exclusion List. Exclusions can be found at www.sam.gov.

2. A. ADMINISTERING AGENCY shall conform to all State statutes, regulations and procedures (including those set forth in the Local Assistance Procedures Manual and the Local Assistance Program Guidelines, hereafter collectively referred to as "LOCAL ASSISTANCE PROCEDURES") relating to the federal-aid program, all Title 23 Code of

SPECIAL COVENANTS OR REMARKS

Federal Regulation (CFR) and 2 CFR Part 200 federal requirements, and all applicable federal laws, regulations, and policy and procedural or instructional memoranda, unless otherwise specifically waived as designated in the executed project-specific PROGRAM SUPPLEMENT.

B. Invoices shall be submitted on ADMINISTERING AGENCY letterhead that includes the address of ADMINISTERING AGENCY and shall be formatted in accordance with LOCAL ASSISTANCE PROCEDURES.

C. ADMINISTERING AGENCY must have at least one copy of supporting backup documentation for costs incurred and claimed for reimbursement by ADMINISTERING AGENCY. ADMINISTERING AGENCY agrees to submit supporting backup documentation with invoices if requested by State. Acceptable backup documentation includes, but is not limited to, agency's progress payment to the contractors, copies of cancelled checks showing amounts made payable to vendors and contractors, and/or a computerized summary of PROJECT costs.

D. Indirect Cost Allocation Plan/Indirect Cost Rate Proposals (ICAP/ICRP), Central Service Cost Allocation Plans and related documentation are to be prepared and provided to STATE (Caltrans Audits & Investigations) for review and approval prior to ADMINISTERING AGENCY seeking reimbursement of indirect costs incurred within each fiscal year being claimed for State and federal reimbursement. ICAPs/ICRPs must be prepared in accordance with the requirements set forth in 2 CFR, Part 200, Chapter 5 of the Local Assistance Procedural Manual, and the ICAP/ICRP approval procedures established by STATE.

E. STATE will withhold the greater of either two (2) percent of the total of all federal funds encumbered for each PROGRAM SUPPLEMENT or \$40,000 until ADMINISTERING AGENCY submits the Final Report of Expenditures for each completed PROGRAM SUPPLEMENT PROJECT.

F. Payments to ADMINISTERING AGENCY for PROJECT-related travel and subsistence (per diem) expenses of ADMINISTERING AGENCY forces and its contractors and subcontractors claimed for reimbursement or as local match credit shall not exceed rates authorized to be paid rank and file STATE employees under current State Department of Personnel Administration (DPA) rules. If the rates invoiced by ADMINISTERING AGENCY are in excess of DPA rates, ADMINISTERING AGENCY is responsible for the cost difference, and any overpayments inadvertently paid by STATE shall be reimbursed to STATE by ADMINISTERING AGENCY on demand within thirty (30) days of such invoice.

G. ADMINISTERING AGENCY agrees to comply with 2 CFR, Part 200, Uniform Administrative Requirements, Cost Principles and Audit Requirement for Federal Awards.

H. ADMINISTERING AGENCY agrees, and will assure that its contractors and subcontractors will be obligated to agree, that Contract Cost Principles and Procedures,

SPECIAL COVENANTS OR REMARKS

48 CFR, Federal Acquisition Regulations System, Chapter 1, Part 31, et seq., shall be used to determine the allowability of individual PROJECT cost items.

I. Every sub-recipient receiving PROJECT funds under this AGREEMENT shall comply with 2 CFR, Part 200, 23 CFR, 48 CFR Chapter 1, Part 31, Local Assistance Procedures, Public Contract Code (PCC) 10300-10334 (procurement of goods), PCC 10335-10381 (non-A&E services), and other applicable STATE and FEDERAL regulations.

J. Any PROJECT costs for which ADMINISTERING AGENCY has received payment or credit that are determined by subsequent audit to be unallowable under 2 CFR, Part 200, 23 CFR, 48 CFR, Chapter 1, Part 31, and other applicable STATE and FEDERAL regulations, are subject to repayment by ADMINISTERING AGENCY to STATE.

K. STATE reserves the right to conduct technical and financial audits of PROJECT WORK and records and ADMINISTERING AGENCY agrees, and shall require its contractors and subcontractors to agree, to cooperate with STATE by making all appropriate and relevant PROJECT records available for audit and copying as required by the following paragraph:

ADMINISTERING AGENCY, ADMINISTERING AGENCY'S contractors and subcontractors, and STATE shall each maintain and make available for inspection and audit by STATE, the California State Auditor, or any duly authorized representative of STATE or the United States all books, documents, papers, accounting records, and other evidence pertaining to the performance of such contracts, including, but not limited to, the costs of administering those various contracts and ADMINISTERING AGENCY shall furnish copies thereof if requested. All of the above referenced parties shall make such AGREEMENT, PROGRAM SUPPLEMENT, and contract materials available at their respective offices at all reasonable times during the entire PROJECT period and for three (3) years from the date of submission of the final expenditure report by the STATE to the FHWA.

L. ADMINISTERING AGENCY, its contractors and subcontractors shall establish and maintain a financial management system and records that properly accumulate and segregate reasonable, allowable, and allocable incurred PROJECT costs and matching funds by line item for the PROJECT. The financial management system of ADMINISTERING AGENCY, its contractors and all subcontractors shall conform to Generally Accepted Accounting Principles, enable the determination of incurred costs at interim points of completion, and provide support for reimbursement payment vouchers or invoices set to or paid by STATE.

M. ADMINISTERING AGENCY is required to have an audit in accordance with the Single Audit Act of 2 CFR 200 if it expends \$750,000 or more in Federal Funds in a single fiscal year of the Catalogue of Federal Domestic Assistance.

N. ADMINISTERING AGENCY agrees to include all PROGRAM SUPPLEMENTS adopting the terms of this AGREEMENT in the schedule of projects to be examined in

SPECIAL COVENANTS OR REMARKS

ADMINISTERING AGENCY's annual audit and in the schedule of projects to be examined under its single audit prepared in accordance with 2 CFR, Part 200.

O. ADMINISTERING AGENCY shall not award a non-A&E contract over \$5,000, construction contracts over \$10,000, or other contracts over \$25,000 [excluding professional service contracts of the type which are required to be procured in accordance with Government Code sections 4525 (d), (e) and (f)] on the basis of a noncompetitive negotiation for work to be performed under this AGREEMENT without the prior written approval of STATE. Contracts awarded by ADMINISTERING AGENCY, if intended as local match credit, must meet the requirements set forth in this AGREEMENT regarding local match funds.

P. Any subcontract entered into by ADMINISTERING AGENCY as a result of this AGREEMENT shall contain provisions B, C, F, H, I, K, and L under Section 2 of this agreement.

3. In the event that right of way acquisition for or construction of this project of the initial federal authorization for preliminary engineering is not started by the close of the tenth fiscal year following the fiscal year in which the project is authorized, the ADMINISTERING AGENCY shall repay the Federal Highway Administration through Caltrans the sum of Federal funds paid under the terms of this agreement.



City Council Report

Subject: Professional Services Agreement for Executive Recruitment Services for the Position of City Attorney

Submitted by: Mayor Greg Janda
Councilmember Scott Yuill

Date: July 26, 2016

Recommendation: Approve the Resolution of the City Council of the City of Rocklin Approving and Authorizing the Mayor to Execute a Professional Services Agreement with Bob Murray & Associates for Executive Recruitment Services for the Position of City Attorney.

BACKGROUND:

On June 17, 2016 the City of Rocklin solicited Requests for Proposals for Executive Recruitment Services for the position of City Attorney. Five responses were received from the following firms:

- Bob Murray & Associates
- Ralph Andersen & Associates
- CPS HR Consulting
- Koff & Associates
- Peckham & McKenney

The ad hoc committee of Mayor Janda and Councilmember Yuill reviewed the proposals and selected Bob Murray & Associates for recommendation for approval by the City Council.

It is recommended that Bob Murray & Associates assist the City Council to recruit and select a new City Attorney. The consultant will assist the City to:

- Develop a Candidate Profile based on individual interviews with each City Council member, the City Manager and City Department Heads. This will include understanding the values and culture of the City and assessing the current issues and needs facing the City of Rocklin in order to identify the skills, knowledge and abilities sought in the ideal City Attorney candidate.
- Develop a professional recruitment brochure to the approval of the City.
- Advertise the City Attorney position and distribute the recruitment information.

-
- Actively recruit candidates and conduct outreach efforts to identify potential, suitable candidates.
 - Screen candidates for consideration by the City Council and make recommendations regarding preferred candidates.
 - Coordinate and assist with interviews by the City Council.
 - Assist the City Council with final selection, offer, and placement of a new City Attorney.

The agreement establishes a schedule for the advertising and recruitment to occur within 4 weeks and the initial interviews of the candidates to occur within 13 weeks. It is recognized that this schedule may be impacted by a variety of factors; however, it is the committee's goal to appoint a City Attorney by November 1, 2016.

Bob Murray & Associates consulting fee for conducting the City Attorney recruitment on behalf of the City pursuant to the proposed agreement is \$17,500, plus expenses, not to exceed \$6,000. In the event the recommended candidate leaves the City within the first year of employment, Consultant will conduct the search again with no additional consulting fees, and the City would only be responsible for any associated expense reimbursements.

The proposal from Bob Murray & Associates is attached hereto.

Recommendations:

- Approve the Professional Services Agreement with Bob Murray & Associates for Executive Recruitment Services for the position of City Attorney in the amount of \$17,500, plus up to \$6,000 for reimbursable expenses.

Alternatives:

- Select a different professional recruitment services consultant.
- Direct City staff to conduct the City Attorney recruitment in house.

Fiscal Impact:

- Funding for this consulting agreement is included in the FY 2016-17 budget for the Human Resources Division.

Ricky A. Horst, City Manager
 Reviewed for Content

DeeAnne Gillick, City Attorney
 Reviewed for Legal Sufficiency

Attachments:

- Bob Murray & Associates Proposal to Conduct an Executive Recruitment for a City Attorney on behalf of the City of Rocklin



**A PROPOSAL TO CONDUCT AN EXECUTIVE
RECRUITMENT FOR A
City Attorney
ON BEHALF OF THE
City of Rocklin**

1544 Eureka Road, Suite 280
Roseville, CA 95661
(916) 784-9080
(916) 784-1985 fax

July 1, 2016

Mayor Greg Janda and
Members of the City Council
City of Rocklin
3970 Rocklin Road
Rocklin, CA 95677

Dear Mayor Janda and Council Members:

Thank you for inviting Bob Murray & Associates to submit a proposal to conduct the City Attorney recruitment for the City of Rocklin. The following proposal details our qualifications and describes our process of identifying, recruiting, and screening outstanding candidates on your behalf. It also includes a proposed budget, timeline, guarantee, and sample recruitment brochure.

Bob Murray & Associates is a national firm with headquarter offices located at 1544 Eureka Road, Suite 280, Roseville, CA 95661. The staff consists of Bob Murray, Founder; Valerie Gaeta-Phillips, President; Gary Phillips, Executive Vice President; Senior Vice President Regan Williams; Vice Presidents Joel Bryden and Fred Freeman; Amber Smith, Principal Consultant; and Senior Consultants Sarah Kenney and Hellen Amsden. We do not use any sub-consultants or sub-contractors. Bob Murray & Associates was founded in May 2000 and operated under the corporation MBN Services, Inc. until June 2014; our current corporation name is GVP Ventures, Inc. There were no personnel changes or size variation of staffing levels as a result of this change in operation.

At Bob Murray & Associates, we pride ourselves on providing quality service to local governments. We have created a recruitment process that combines our ability to help you to determine the direction of the search and the types of candidates you seek with our experience recruiting outstanding candidates who are not necessarily looking for a job. Our proven expertise ensures that the candidates we present for your consideration will match the criteria you have established and will be outstanding in their field.

With respect to the City Attorney recruitment, Bob Murray & Associates offers the following expertise:

- ◆ Our firm has an unmatched record of success in recruiting local government professionals. With over 25 years of experience, we have conducted hundreds of searches for municipal and special district executives, including legal counsel executives. We are currently conducting the Public Defender recruitments for Santa Barbara County, CA as well as the City Attorney for the City of Moreno Valley, CA. We have recently completed the Public Defender recruitment on behalf of the County of Orange; the City Attorney recruitment on behalf of the cities of Concord, Inglewood, and Sunnyvale, CA; the Assistant City Attorney recruitment on behalf of the City of Fremont, CA; and the County Counsel search on behalf of the County of Sacramento. We previously conducted City Attorney recruitments for the cities of Orange, Merced, Morgan

Hill, Santa Ana, Sunnyvale, and Thousand Oaks, CA and the outreach efforts for the City Attorney in Gilbert, AZ; the County Counsel recruitment on behalf of the County of Sacramento, CA; and the General Counsel recruitment on behalf of the San Bernardino Associated Governments, CA (SANBAG). Our previous recruitment experience includes conducting recruitments on behalf of the cities of Lathrop, Monterey, Morgan Hill, Newport Beach, Oceanside, Palo Alto, Salinas, San Mateo, Stockton, Ventura, as well as the Assistant City Attorney searches for the City of Hayward and the Assistant County Counsel recruitment on behalf of Yolo County, CA, the City of North Las Vegas, NV; and the Presiding Judge recruitment on behalf of Aurora, CO. Our knowledge of outstanding candidates and extensive network of contacts will ensure that the City of Rocklin has an outstanding group of finalists from which to select the new City Attorney.

- ◆ Bob Murray & Associates is familiar with the City of Rocklin and the community it serves, as we previously conducted your Assistant City Manager/Economic Development & Redevelopment Manager, Human Resources Manager, and Police Chief recruitments. Our knowledge of the community, its issues, and its outstanding quality of life will be an asset in presenting this opportunity to prospective candidates.

A significant portion of our process focuses on conducting thorough and confidential background investigations of the top 2-3 candidates to ensure that nothing about them is left undiscovered. We have candid discussions with references who have insight into the candidate's experience, style and ethics; conduct a search of newspaper articles; and run credit, criminal and civil records reports. This ensures that the chosen candidate will not only be an excellent fit with the City of Rocklin, but also that the selected candidate will reflect positively upon your organization.

To learn first-hand of the quality of our service and our recruitment successes, we invite you to contact the references listed on page 11 of the attached proposal.

We look forward to your favorable consideration of our qualifications. If selected, we will perform the services and adhere to the requirements described in the RFP. Please do not hesitate to contact us at (916) 784-9080 should you have any questions.

Sincerely,

Valerie Gaeta Phillips

Valerie Gaeta Phillips

President

Bob Murray & Associates

1544 Eureka Road, Suite 280

Roseville, CA 95661

(916) 784-9080

(916) 784-1985

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THE RECRUITMENT PROCESS

Bob Murray & Associates' unique and client oriented approach to executive search will ensure that the City of Rocklin has quality candidates from which to select the new City Attorney. Outlined below are the key steps in our recruitment process.

STEP 1 DEVELOPING THE CANDIDATE PROFILE

Our understanding of the City of Rocklin's needs will be key to a successful search. We will work with the City Council and Department Heads to learn as much as possible about the organization's expectations for a new City Attorney. We want to learn the values and culture of the organization, as well as understand the current issues, challenges and opportunities that face the City of Rocklin. We also want to know the City Council and Department Heads' expectations regarding the knowledge, skills and abilities sought in the ideal candidate and will work with the City to identify expectations regarding education and experience. To accomplish this, we will meet with Council Members and Department Heads individually to get their input. The profile we develop together at this stage will drive subsequent recruitment efforts.

STEP 2 ADVERTISING CAMPAIGN AND RECRUITMENT BROCHURE

After gaining an understanding of the City of Rocklin's needs, we will design an effective advertising campaign appropriate for the City Attorney recruitment. We will focus on professional journals that are specifically suited to the City Attorney search. We will also develop a professional recruitment brochure on the City Council's behalf that will discuss the community, organization, position and compensation in detail. Once completed, we will mail the profile to an extensive audience, making them aware of the exciting opportunity with the City of Rocklin.

STEP 3 RECRUITING CANDIDATES

After cross-referencing the profile of the ideal candidate with our database and contacts in the field, we will conduct an aggressive outreach effort, including making personal calls to prospective applicants, designed to identify and recruit outstanding candidates. We recognize that the best candidate is often not looking for a new job and this is the person we actively seek to convince to become a candidate. Aggressively marketing the City Attorney position to prospective candidates will be essential to the success of the search.

STEP 4 SCREENING CANDIDATES

Following the closing date for the recruitment, we will screen the resumes we have received. We will use the criteria established in our initial meetings as a basis upon which to narrow the field of candidates.

STEP 5 PERSONAL INTERVIEWS

We will conduct personal interviews with the top 10 to 12 candidates with the goal of determining which candidates have the greatest potential to succeed in your organization. During the interviews we will explore each candidate's background and experience as it relates to the City Attorney position. In addition, we will discuss the candidate's motivation for applying for the position and make an assessment of his/her knowledge, skills and abilities. We will devote specific attention to establishing the likelihood of the candidate's acceptance of the position if an offer of employment is made.

STEP 6 PUBLIC RECORD SEARCH

Following the interviews, we will conduct a review of published articles for each recommended candidate. Various sources will be consulted including Lexis-Nexis™, a newspaper/magazine search engine, Google, and social media. This alerts us to any further detailed inquiries we may need to make at this time.

STEP 7 RECOMMENDATION

Based on the information gathered through meetings with your organization and personal interviews with candidates, we will recommend a limited number of candidates for your further consideration. We will prepare a detailed written report on each candidate that focuses on the results of our interviews and public record searches. We will make specific recommendations, but the final determination of those to be considered will be up to you.

STEP 8 FINAL INTERVIEWS

Our years of experience will be invaluable as we help you develop an interview process that objectively assesses the qualifications of each candidate. We will adopt an approach that fits your needs, whether it is a traditional interview, multiple interview panel or assessment center process. We will provide you with suggested interview questions and rating forms and will be present at the interview/assessment center to facilitate the process. Our expertise lies in facilitating the discussion that can bring about a consensus regarding the final candidates.

We will work closely with your staff to coordinate and schedule interviews and candidate travel. Our goal is to ensure that each candidate has a very positive experience, as the manner in which the entire process is conducted will have an effect on the candidates' perception of your organization.

STEP 9 BACKGROUND CHECKS/DETAILED REFERENCE CHECKS

Based on final interviews we will conduct credit, criminal, civil litigation and motor vehicle record checks for the top one to three candidates. In addition, those candidates will be the subjects of detailed, confidential reference checks. In order to gain an accurate and honest appraisal of the candidates' strengths and weaknesses, we will talk candidly with people who have direct knowledge of their work and management style. We will ask candidates to forward the names of their supervisors, subordinates and peers for the past several years. Additionally, we make a point of speaking confidentially to individuals who we know have insight into a candidate's abilities, but who may not be on their preferred list of contacts. At this stage in the recruitment we will also verify candidates' degrees.

STEP 10 NEGOTIATIONS

We recognize the critical importance of successful negotiations and can serve as your representative during this process. We know what other organizations have done to put deals together with great candidates and will be available to advise you regarding current approaches to difficult issues such as housing and relocation. We will represent your interests and advise you regarding salary, benefits and employment agreements with the goal of putting together a deal that results in the appointment of your chosen candidate. Most often we can turn a very difficult aspect of the recruitment into one that is viewed positively by both you and the candidate.

STEP 11 COMPLETE ADMINISTRATIVE ASSISTANCE

Throughout the recruitment we will provide the City Council with updates on the status of the search. We will also take care of all administrative details on your behalf. Candidates will receive personal letters advising them of their status at each critical point in the recruitment. In addition, we will respond to inquiries about the status of their candidacy within twenty-four hours. Every administrative detail will receive our attention. Often, candidates judge our clients based on how well these details are handled.

BUDGET AND TIMING

PROFESSIONAL FEE AND EXPENSES

The consulting fee for conducting the City Attorney recruitment on behalf of the City of Rocklin is \$17,500 plus expenses. Services provided for in the fee consist of all steps outlined in this proposal including three (3) days of meetings on site. The City of Rocklin will be responsible for reimbursing expenses Bob Murray & Associates incurs on your behalf. We estimate expenses for this project not to exceed \$6,000. Reimbursable expenses include such items as the cost of recruiter travel; clerical support; brochure development; express mail delivery; placement of ads; credit, criminal and civil background checks; education verification; and public records searches. Postage, printing, photocopying, and telephone charges are allocated costs and included in the expense estimate. Below is the cost of the proposal broken down by action points in the process. These prices reflect being retained to provide a full search. Should we be retained to conduct only certain tasks, the price may vary.

- a. Develop the Candidate Profile \$3,000
- b. Develop Advertising Campaign and Recruitment Brochure \$1,000
- c. Recruit Candidates \$3,500
- d. Screen Candidates \$1,000
- e. Conduct Personal Interviews \$3,500
- f. Conduct Public Record Search \$500
- g. Provide Recommendation \$2,000
- h. Assist with Final Interviews \$2,000
- i. Conduct Detailed Reference Checks \$1,000

Assistance with negotiations and complete administrative assistance included

We understand you are seeking the estimated number of hours that we would require to provide our service, the billing rates of persons that will provide said services, and any other estimated additional costs; however, Bob Murray & Associates does not bill based on the number of hours. Our recruiters do not spend a minimum or maximum number of hours on each section of the recruitment process. Instead, they spend the amount of time necessary to exceed the expectations of our clients. The most hours are typically spent on candidate outreach, as this ensures a successful recruitment more than any other aspect of the recruitment process. Developing the candidate profile, as well as the initial interview process and reference checking/newspaper searches, are other areas where significant time is spent.

TIMING

We are prepared to start work on this assignment immediately and anticipate that we will be prepared to make our recommendation regarding finalists within seventy-five to ninety days from the start of the search.

Task:

Week:

Contract Start Date:	TBD
Initial Meeting(s):	1 week from contract start date
Our firm develops recruitment brochure:	2 weeks from contract start date
City approves brochure:	4 weeks from contract start date
Job advertising and candidate sourcing:	8 weeks from contract start date
Our firm reviews application packets:	9 weeks from contract start date
Our firm conducts screening process:	10 weeks from contract start date
City approves candidates:	12 weeks from contract start date
City's interview panel convenes:	13 weeks from contract start date
Reference/Background Checks:	14 weeks from contract start date
Second Interviews by City, if necessary:	15 weeks from contract start date
Offer of Employment:	16 weeks from contract start date

GUARANTEE

We guarantee that should a recommended candidate selected for the position be terminated within the first year of employment we will conduct the search again at no cost (with the exception of expenses) to the City of Rocklin. We are confident in our ability to recruit outstanding candidates and do not expect the City of Rocklin to find it necessary to exercise this provision of our proposal.

PROFESSIONAL QUALIFICATIONS

Should Bob Murray & Associates be retained to conduct the City Attorney search on behalf of the City of Rocklin, the primary recruiter assignment will be based upon our workload at the time of contract signing. The primary recruiter will be assisted by Ms. Amber Smith, Ms. Sarah Kenney, or Ms. Hellen Amsden for support services and administrative matters.

BOB MURRAY, FOUNDER

Mr. Murray brings over 30 years' experience as a recruiter. Mr. Murray is recognized as one of the nation's leading recruiters. He has conducted hundreds of searches for cities, counties, and special districts. He has been called on to conduct searches for some of the largest most complex organizations in the country and some of the smallest. Mr. Murray has conducted searches for chief executives, department heads, professional and technical positions. Mr. Murray has taken the lead on the firm's most difficult assignments with great success. His clients have retained him again and again given the quality of his work and success in finding candidates for difficult to fill positions.

Prior to creating Bob Murray & Associates, Mr. Murray directed the search practice for the largest search company serving local government in the country. Mr. Murray has worked in local government and benefits from the knowledge of having led an organization. Prior to his career in executive search he served as the City Manager for the City of Olympia, Washington. He has also served as an Assistant City Manager and held various positions in law enforcement.

Mr. Murray received his Bachelor of Science Degree in Criminology from the University of California at Berkeley with graduate studies in Public Administration at California State University at Hayward.

VALERIE GAETA PHILLIPS, PRESIDENT

Ms. Gaeta Phillips has over 18 years of recruiting experience, including more than a decade of recent experience in executive search for public, private, and startup companies nationwide. Ms. Gaeta Phillips has expertise in the full recruiting cycle, from process design and outreach through candidate assessment and selection. She has placed senior-level candidates in various aspects of the public sector, as well as with special districts and nonprofits.

Ms. Gaeta Phillips is valued for her passion for finding and retaining the most outstanding candidates for even the most difficult or untraditional assignments and for her commitment to her clients' success. Ms. Gaeta Phillips has a passion for helping people, evidenced by her fundraising and efforts to raise awareness for organizations such as Autism Speaks and the M.I.N.D. Institute.

GARY PHILLIPS, EXECUTIVE VICE PRESIDENT

Mr. Phillips started his career with a New York based Fortune 100 company and quickly became a Senior Manager building and running a large customer service organization in New York and eventually in thirteen countries in Europe. He also served as a Director with a large Fortune 500 company and was responsible for developing and maintaining new and existing clients in Europe, Asia, and Australia. He then became Senior Vice President with a public enterprise software company. Some of his successes include building an organization from 2 to 250 people worldwide; acquiring 5 companies in two years; and growing a company from 800 to 1200 employees.

Mr. Phillips was part of an executive acquisition and recruiting team where he helped build a start-up enterprise software company in San Francisco. He recruited top notch talent, and built a world class organization. The company was eventually sold to a Fortune 500 software company.

Mr. Phillips has maintained customer relationships in the public sector, private sector, as well as medical, and financial institutions. He prides himself on finding key talent and offering the best customer service to his clients.

Mr. Phillips is involved in his community as a soccer coach and as an organizer of fundraisers for Autism Speaks in Sacramento. Mr. Phillips received his Associate of Science degree, as well as completed coursework at Rochester Institute of Technology, NY.

REGAN WILLIAMS, SENIOR VICE PRESIDENT

Mr. Williams brings 30 years of local government experience to Bob Murray & Associates and has over 15 years of experience in executive recruitments with our firm. Prior to joining Bob Murray & Associates, Mr. Williams served as Director of Public Safety with the City of Sunnyvale, CA. Mr. Williams was involved in the development of some of Sunnyvale's most innovative public safety programs and has a national reputation for excellence in law enforcement, as well as in law enforcement executive recruiting. He has been responsible for over 300 recruitments throughout his career; clients find his insight and expertise in recruitment and selection a valuable asset.

Mr. Williams received his Bachelor of Science Degree in Administration of Justice from San Jose State University. He is also a graduate of the FBI National Academy.

JOEL BRYDEN, VICE PRESIDENT

Mr. Bryden has over 30 years of local government experience that he brings to the firm, having retired as Chief of Police in Walnut Creek, CA prior to joining our firm. Throughout his career, Mr. Bryden has been involved in public sector consulting. He has vast experience in hiring and promotional processes, as well as interviewing candidates for advancement in all aspects of local government. Mr. Bryden has a solid reputation as a leader in the public sector. His ability to find and evaluate outstanding applicants for our clients is invaluable in the search process.

Mr. Bryden is a graduate of the FBI National Academy and obtained his Bachelor of Arts Degree in Communication from San Diego State University.

FRED FREEMAN, VICE PRESIDENT

Mr. Freeman brings over 24 years of local government experience to Bob Murray & Associates, with 11 years in the recruitment field. Mr. Freeman is a retired Chief of Police and has served as an elected official in local government. He has vetted hundreds of local governmental officials in the pre-employment process and conducted recruitments for positions in all sectors of public agency employment.

In addition to his career in the law enforcement field, Mr. Freeman served as the Mayor and the Mayor Pro-Tem for the Los Alamitos City Council. Mr. Freeman has been a member of the Public Safety Policy Committee - California League of Cities; the Orange County Fire Authority Board of Directors; and the Orange Line Development Authority as the Vice-Chair. His unique perspective and experience, as both a member of executive city staff and as an elected official, provides exceptional results for our clients.

Mr. Freeman is a graduate of the FBI National Academy and received his Teaching Credential from the University of California Los Angeles.

AMBER SMITH, PRINCIPAL CONSULTANT

As Principal Consultant with Bob Murray & Associates, Ms. Smith acts as a liaison between clients and candidates from beginning to end of each recruitment process. She is responsible for the development and distribution of position recruitment and advertising materials, client research, reference and background checks, responding to requests for proposals, and providing a broad range of support services for the recruiting team.

Ms. Smith brings over 5 years of client-oriented customer service, administrative, and management experience to Bob Murray & Associates. She is committed to working as a partner with clients and candidates in order to provide a quality service and experience.

Ms. Smith received her Bachelor of Arts degree in Business Administration from La Sierra University, Riverside, California.

SARAH KENNEY, SENIOR CONSULTANT

As a Senior Consultant with Bob Murray & Associates, Ms. Kenney acts as a liaison among clients, recruiters, and candidates from beginning to end of each recruitment process. She is responsible for the development and distribution of position recruitment and advertising materials, client and candidate research, reference and background checks, responding to requests for proposals, and providing a broad range of support services for the recruiting team.

Ms. Kenney joined our firm in 2010 with over a decade of professional, managerial, and customer service experience. Our clients appreciate her thorough and accurate work, responsiveness, and support throughout the search process.

Ms. Kenney received her Bachelor of Science degree in Communicative Disorders and Deaf Education from Utah State University and her Bachelor of Arts degree in Psychology from the University of California at Davis.

HELLEN AMSDEN, SENIOR CONSULTANT

Ms. Amsden acts as a liaison among clients, recruiters, and candidates throughout each recruitment process. Her responsibilities include development and distribution of position recruitment and advertising materials, client and candidate research, reference and background checks, responding to requests for proposals, and providing a broad range of support services for the recruiting team.

Ms. Amsden joined our firm in 2016 with nearly a decade of customer service, administrative, and leadership experience. She is committed to providing the highest level of quality support and to working as a partner with clients and candidates throughout the search process. Ms. Amsden graduated summa cum laude with a Bachelor of Arts degree in Leadership and Organizational Studies from Saint Mary's College of California.

REFERENCES

Clients and candidates are the best testament to our ability to conduct quality searches. Clients for whom Bob Murray & Associates has recently conducted searches are listed below.

CLIENT: City of Concord, CA
POSITION: City Attorney, City Manager, Director of Community & Economic Development, Police Chief
REFERENCE: Mayor Laura Hoffmeister or Councilmember Tim Grayson, (925) 671-3158

CLIENT: City of Inglewood, CA
POSITION: City Controller, City Attorney, Human Resources Director, Chief Financial Officer, Police Chief, Community Development Director
REFERENCE: Mayor Jim Butts, (310) 412-5300; or Mr. Michael Falkow, Assistant City Manager, (310) 412-8751

CLIENT: City of Sunnyvale, CA
POSITION: City Attorney, City Manager, Director of Public Safety
REFERENCE: Ms. Teri Sylva, Human Resources Director, (408) 730-7492

RESOLUTION NO.

RESOLUTION OF THE CITY COUNCIL
OF THE CITY OF ROCKLIN
APPROVING AND AUTHORIZING THE
MAYOR TO EXECUTE A
CONSULTANT SERVICES AGREEMENT
(Bob Murray & Associates/Executive Recruitment for City Attorney)

The City Council of the City of Rocklin does resolve as follows:

Section 1. The City Council of the City of Rocklin hereby approves and authorizes the Mayor to execute a Consultant Services Agreement, in the form substantially as attached hereto as Exhibit 1 and by this reference incorporated herein, for the purposes of providing Executive Recruitment services for the position of City Attorney.

PASSED AND ADOPTED this 26 day of July, 2016, by the following vote:

- AYES: Councilmembers:
- NOES: Councilmembers:
- ABSENT: Councilmembers:
- ABSTAIN: Councilmembers:

Gregory A. Janda, Mayor

ATTEST:

Barbara Ivanusich, City Clerk

d:\legal\administration\consultant services agr
REV. 3/19/14

EXHIBIT 1

CONSULTANT SERVICES AGREEMENT

THIS AGREEMENT is made at Rocklin, California, as of _____, 20__, by and between the City of Rocklin, a municipal corporation ("City"), and Bob Murray & Associates ("Consultant"), who agree as follows:

1. **Services.** Subject to the terms and conditions set forth in this Agreement, Consultant shall provide the services described in Exhibit A for Executive Recruitment services for the position of City Attorney. Consultant shall provide said services at the time, place, and in the manner specified in Exhibit A.

2. **Payment.** City shall pay Consultant for services rendered pursuant to this Agreement at the time and in the amount set forth in Exhibit B. The payment specified in Exhibit B shall be the only payment made to Consultant for services rendered pursuant to this Agreement. Consultant shall submit all billings for said services to City in the manner specified in Exhibit B; or, if no manner be specified in Exhibit B, then according to the usual and customary procedures which Consultant uses for billing clients similar to City. All payments by the City will be provided to Consultant within 30 days of City approval of invoice.

3. **Facilities, Equipment and Other Materials, and Obligations of City.** Except as set forth in Exhibit C, Consultant shall, at its sole cost and expense, furnish all facilities, equipment, and other materials which may be required for furnishing services pursuant to this Agreement. City shall furnish Consultant only those facilities, equipment, and other materials, and shall perform those obligations listed in Exhibit C according to the terms and conditions set forth in Exhibit C.

4. **General Provisions.** The general provisions set forth in Exhibit D are part of this Agreement. Any inconsistency between said general provision and any other terms or conditions of this Agreement shall be controlled by the other term or condition insofar as it is inconsistent with the general provisions.

5. **Exhibits.** All exhibits referred to herein are attached hereto and by this reference incorporated herein.

6. **Time for Performance.** Time is of the essence, and, subject to City's compliance with Exhibit C and to the provisions of paragraph 3 of Exhibit D, failure of Consultant to perform any services within the time limits set forth in Exhibit A shall constitute material breach of this contract.

Executed as of the day first above stated:

CITY OF ROCKLIN
A Municipal Corporation

By: _____
Gregory A. Janda, Mayor

CONSULTANT

By: _____

APPROVED AS TO FORM:

DeeAnne Gillick
Interim City Attorney

ATTEST:

Barbara Ivanusich
City Clerk

EXHIBIT A

SCOPE OF SERVICES

Consultant will perform Executive Recruitment Services for the position of Rocklin City Attorney consistent with the following details.

THE RECRUITMENT PROCESS

Bob Murray & Associates' unique and client oriented approach to executive search will ensure that the City of Rocklin has quality candidates from which to select the new City Attorney. Outlined below are the key steps in our recruitment process.

STEP 1 DEVELOPING THE CANDIDATE PROFILE

Our understanding of the City of Rocklin's needs will be key to a successful search. We will work with the City Council and Department Heads to learn as much as possible about the organization's expectations for a new City Attorney. We want to learn the values and culture of the organization, as well as understand the current issues, challenges and opportunities that face the City of Rocklin. We also want to know the City Council and Department Heads' expectations regarding the knowledge, skills and abilities sought in the ideal candidate and will work with the City to identify expectations regarding education and experience. To accomplish this, we will meet with Council Members and Department Heads individually to get their input. The profile we develop together at this stage will drive subsequent recruitment efforts.

STEP 2 ADVERTISING CAMPAIGN AND RECRUITMENT BROCHURE

After gaining an understanding of the City of Rocklin's needs, we will design an effective advertising campaign appropriate for the City Attorney recruitment. We will focus on professional journals that are specifically suited to the City Attorney search. We will also develop a professional recruitment brochure on the City Council's behalf that will discuss the community, organization, position and compensation in detail. Once completed, we will mail the profile to an extensive audience, making them aware of the exciting opportunity with the City of Rocklin.

STEP 3 RECRUITING CANDIDATES

After cross-referencing the profile of the ideal candidate with our database and contacts in the field, we will conduct an aggressive outreach effort, including making personal calls to prospective applicants, designed to identify and recruit outstanding candidates. We recognize that the best candidate is often not looking for a new job and this is the person we actively

seek to convince to become a candidate. Aggressively marketing the City Attorney position to prospective candidates will be essential to the success of the search.

STEP 4 SCREENING CANDIDATES

Following the closing date for the recruitment, we will screen the resumes we have received. We will use the criteria established in our initial meetings as a basis upon which to narrow the field of candidates.

STEP 5 PERSONAL INTERVIEWS

We will conduct personal interviews with the top 10 to 12 candidates with the goal of determining which candidates have the greatest potential to succeed in your organization. During the interviews we will explore each candidate's background and experience as it relates to the City Attorney position. In addition, we will discuss the candidate's motivation for applying for the position and make an assessment of his/her knowledge, skills and abilities. We will devote specific attention to establishing the likelihood of the candidate's acceptance of the position if an offer of employment is made.

STEP 6 PUBLIC RECORD SEARCH

Following the interviews, we will conduct a review of published articles for each recommended candidate. Various sources will be consulted including Lexis-Nexis™, a newspaper/magazine search engine, Google, and social media. This alerts us to any further detailed inquiries we may need to make at this time.

STEP 7 RECOMMENDATION

Based on the information gathered through meetings with your organization and personal interviews with candidates, we will recommend a limited number of candidates for your further consideration. We will prepare a detailed written report on each candidate that focuses on the results of our interviews and public record searches. We will make specific recommendations, but the final determination of those to be considered will be up to you.

STEP 8 FINAL INTERVIEWS

Our years of experience will be invaluable as we help you develop an interview process that objectively assesses the qualifications of each candidate. We will adopt an approach that fits your needs, whether it is a traditional interview, multiple interview panel or assessment center process. We will provide you with suggested interview questions and rating forms and will be present at the interview/assessment center to facilitate the process. Our expertise lies in facilitating the discussion that can bring about a consensus regarding the final candidates.

We will work closely with your staff to coordinate and schedule interviews and candidate travel. Our goal is to ensure that each candidate has a very positive experience, as the

manner in which the entire process is conducted will have an effect on the candidates' perception of your organization.

STEP 9 BACKGROUND CHECKS/DETAILED REFERENCE CHECKS

Based on final interviews we will conduct credit, criminal, civil litigation and motor vehicle record checks for the top one to three candidates. In addition, those candidates will be the subjects of detailed, confidential reference checks. In order to gain an accurate and honest appraisal of the candidates' strengths and weaknesses, we will talk candidly with people who have direct knowledge of their work and management style. We will ask candidates to forward the names of their supervisors, subordinates and peers for the past several years. Additionally, we make a point of speaking confidentially to individuals who we know have insight into a candidate's abilities, but who may not be on their preferred list of contacts. At this stage in the recruitment we will also verify candidates' degrees.

STEP 10 NEGOTIATIONS

We recognize the critical importance of successful negotiations and can serve as your representative during this process. We know what other organizations have done to put deals together with great candidates and will be available to advise you regarding current approaches to difficult issues such as housing and relocation. We will represent your interests and advise you regarding salary, benefits and employment agreements with the goal of putting together a deal that results in the appointment of your chosen candidate. Most often we can turn a very difficult aspect of the recruitment into one that is viewed positively by both you and the candidate.

STEP 11 COMPLETE ADMINISTRATIVE ASSISTANCE

Throughout the recruitment we will provide the City Council with updates on the status of the search. We will also take care of all administrative details on your behalf. Candidates will receive personal letters advising them of their status at each critical point in the recruitment. In addition, we will respond to inquiries about the status of their candidacy within twenty-four hours. Every administrative detail will receive our attention. Often, candidates judge our clients based on how well these details are handled.

EXHIBIT B

PAYMENT FOR SERVICES RENDERED

Payment by City for services rendered by Consultant will be paid by City within thirty days of City approval of Consultant's submitted invoice. Such payments pursuant to this Agreement are limited to and according to the following.

PROFESSIONAL FEE AND EXPENSES

The consulting fee for conducting the City Attorney recruitment on behalf of the City of Rocklin is \$17,500 plus expenses. Services provided for in the fee consist of all steps outlined in this proposal including three (3) days of meetings on site. The City of Rocklin will be responsible for reimbursing expenses Bob Murray & Associates incurs on your behalf. We estimate expenses for this project not to exceed \$6,000. Reimbursable expenses include such items as the cost of recruiter travel; clerical support; brochure development; express mail delivery; placement of ads; credit, criminal and civil background checks; education verification; and public records searches. Postage, printing, photocopying, and telephone charges are allocated costs and included in the expense estimate. Below is the cost of the proposal broken down by action points in the process. These prices reflect being retained to provide a full search. Should we be retained to conduct only certain tasks, the price may vary.

- a. Develop the Candidate Profile \$3,000
- b. Develop Advertising Campaign and Recruitment Brochure \$1,000
- c. Recruit Candidates \$3,500
- d. Screen Candidates \$1,000
- e. Conduct Personal Interviews \$3,500
- f. Conduct Public Record Search \$500
- g. Provide Recommendation \$2,000
- h. Assist with Final Interviews \$2,000
- i. Conduct Detailed Reference Checks \$1,000

Assistance with negotiations and complete administrative assistance included

We understand you are seeking the estimated number of hours that we would require to provide our service, the billing rates of persons that will provide said services, and any other estimated additional costs; however, Bob Murray & Associates does not bill based on the number of hours. Our recruiters do not spend a minimum or maximum number of hours on each section of the recruitment process. Instead, they spend the amount of time necessary to exceed the expectations of our clients. The most hours are typically spent on candidate outreach, as this ensures a successful recruitment more than any other aspect of the recruitment process. Developing the candidate profile, as well as the initial interview process and reference checking/newspaper searches, are other areas where significant time is spent.

TIMING

We are prepared to start work on this assignment immediately and anticipate that we will be prepared to make our recommendation regarding finalists within seventy-five to ninety days from the start of the search.

Task:	Week:
Contract Start Date:	TBD
Initial Meeting(s):	1 week from contract start date
Our firm develops recruitment brochure:	2 weeks from contract start date
City approves brochure:	4 weeks from contract start date
Job advertising and candidate sourcing:	8 weeks from contract start date
Our firm reviews application packets:	9 weeks from contract start date
Our firm conducts screening process:	10 weeks from contract start date
City approves candidates:	12 weeks from contract start date
City’s interview panel convenes:	13 weeks from contract start date
Reference/Background Checks:	14 weeks from contract start date
Second Interviews by City, if necessary:	15 weeks from contract start date
Offer of Employment:	16 weeks from contract start date

GUARANTEE

We guarantee that should a recommended candidate selected for the position be terminated within the first year of employment we will conduct the search again at no cost (with the exception of expenses) to the City of Rocklin. We are confident in our ability to recruit outstanding candidates and do not expect the City of Rocklin to find it necessary to exercise this provision of our proposal.

EXHIBIT C

FACILITIES, EQUIPMENT, AND OTHER
MATERIALS, AND OBLIGATIONS OF CITY

City will provide meeting facilities at City buildings as necessary for the performance of this Agreement. All other obligations, equipment or needs will be provided by Consultant as specified in Exhibit B.

EXHIBIT D

GENERAL PROVISIONS

1. **Independent Contractor.** At all times during the term of this Agreement, Consultant shall be an independent contractor and shall not be an employee of the City. City shall have the right to control Consultant only insofar as the results of Consultant's services rendered pursuant to this Agreement. City shall not have the right to control the means by which Consultant accomplishes services rendered pursuant to this Agreement.

2. **Licenses, Permits, Etc.** Consultant represents and warrants to City that it has all licenses, permits, qualifications, and approvals of whatsoever nature which are legally required for Consultant to practice its profession. Consultant represents and warrants to City that Consultant shall, at its sole cost and expense, keep in effect or obtain at all times during the term of this Agreement, any licenses, permits, and approvals which are legally required for Consultant to practice its profession at the time the services are performed.

3. **Time.** Consultant shall devote such time to the performance of services pursuant to this Agreement as may be reasonably necessary for the satisfactory performance of Consultant's obligations pursuant to this Agreement. Neither party shall be considered in default of this Agreement to the extent performance is prevented or delayed by any cause, present or future, which is beyond the reasonable control of the party.

4. **Insurance.**

A. Consultant shall procure and maintain for the duration of this Agreement insurance against claims for injuries to persons or damage to property which may arise from or in connection with the performance of work under this Agreement and the results of that work by Consultant, its agents, representatives, employees, or subcontractors. All coverage available to the Consultant as named insured shall be made available to the City, its officers, employees and volunteers as additional insured. Consultant shall provide to City the full policy limits of Consultant's insurance, with coverage at least as broad as, and limits no less than, the following:

1. **General Liability.** Consultant shall maintain in full force and effect a policy of commercial general liability insurance (ISO occurrence form CG0001) with limits no less than the following: one million dollars (\$1,000,000) per occurrence for bodily injury, personal injury, and property damage. If a general aggregate limit is used, either the general aggregate limit shall apply separately to this agreement, or the

general aggregate limit shall be twice the required occurrence limit. (The occurrence form of policy is required whenever it is available.)

2. Worker's Compensation and Employer's Liability Insurance. Consultant shall fully comply with the law of California concerning worker's compensation. Said compliance shall include, but not be limited to, maintaining in full force and effect one or more policies of insurance insuring against any liability Consultant may have for worker's compensation. Consultant shall also maintain in full force and effect a policy of employer's liability insurance with limits no less than the following: one million dollars (\$1,000,000) each accident; one million dollars (\$1,000,000) policy limit bodily injury by disease; one million dollars (\$1,000,000) each employee bodily injury by disease.

3. Automobile. Consultant shall maintain in full force and effect a policy of commercial automobile liability insurance (ISO Form CA0001 Code 1 (any auto) or Code 8, 9 if no automobiles owned), with limits no less than the following: one million dollars (\$1,000,000) per accident for bodily injury and property damage.

4. Errors and Omissions. Consultant shall maintain in full force and effect a policy of errors and omissions insurance covering the services to be provided under this agreement with limits no less than the following: one million dollars (\$1,000,000) each occurrence, two million dollars (\$2,000,000) policy aggregate.

B. The general liability and automobile policies are to contain, or be endorsed to contain, the following provisions:

1. The City, its officers, employees and volunteers shall be added as insureds with respect to liability arising out of automobiles owned, leased, hired or borrowed by or on behalf of Consultant, and with respect to liability arising out of work or operations performed by or on behalf of the Consultant including materials, parts or equipment furnished in connection with such work or operations. Coverage shall not extend to any indemnity coverage for the active negligence of the additional insured in any case where an agreement to indemnify the additional insured would be invalid under subdivision (b) of section 2782 of the Civil Code.

2. For any claims related to work or operations performed by or on behalf of Consultant, the Consultant's insurance coverage shall be primary insurance as respects the City, its officers, employees, and volunteers. Any insurance or self-insurance maintained by the City, its officers, employees, or volunteers shall be excess of the Consultant's insurance and shall not contribute with it.

3. The insurance coverage shall not be assigned, reduced, amended, cancelled, terminated, or not renewed by either party except after thirty (30) days written notice by certified mail, return receipt requested, to City.

C. The insurance company or companies providing Consultant the coverages required by this Agreement shall be admitted in the State of California and have a current A.M. Best's rating of no less than A:VIII or equivalent acceptable to City.

D. Any deductibles or self-insured retentions must be declared to and approved by the City. At the option of City, either: the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the City, its officers, employees and volunteers; or the Consultant shall procure a financial guarantee satisfactory to City guaranteeing payment of losses and related investigations, claim administration and defense expenses.

E. The insurance shall be maintained from the time the work first commences until completion of the work under this Agreement if an occurrence policy form is used. If a claims made policy form is used, the following requirements apply:

1. The "Retro Date" must be shown, and must be before the date of the contract or the beginning of contract work.

2. Insurance must be maintained and evidence of insurance must be provided for at least five (5) years after completion of the contract of work.

3. If coverage is cancelled or non-renewed, and not replaced with another claims made policy form with a "Retro Date" prior to the contract effective date, the Consultant must purchase "extended reporting" coverage for a minimum of five (5) years after completion of contract work.

4. A copy of the claims reporting requirements must be submitted to the City for review.

F. If Consultant, for any reason, fails to maintain insurance coverage which is required under this Agreement, the failure shall be deemed a material breach of contract. City, at its sole option, may terminate this Agreement and obtain damages from Consultant resulting from the breach. Alternatively, City may purchase the required insurance coverage, and without further notice to Consultant, City may deduct from the sums due to Consultant any premium costs advanced by City for the insurance.

G. Consultant shall include all subcontractors as insureds under its policies or shall furnish separate certificates and endorsements for each subcontractor. All coverages for subcontractors shall be subject to all of the requirements stated herein.

H. Consultant shall furnish City with original certificates and amendatory endorsements effecting coverage required by this Agreement. The certificates and

endorsements should be on forms provided by the City, or on other than the City's forms, provided those endorsements or certifications conform to the requirements. All certificates and endorsements are to be received and approved by the City before work commences. The City reserves the right to require complete, certified copies of all required insurance policies, including endorsements effecting the coverage required by this Agreement at any time.

Consultant shall replace certificates of insurance for policies expiring prior to completion of the work under the Agreement, and shall continue to furnish certificates for five years beyond the Agreement terminate date, when the Consultant has a claims made form of insurance.

I. The worker's compensation and employee's liability insurance are to contain, or be endorsed to contain, the following provisions:

1. The insurance company waives any right of subrogation against the City, its officers, employees, and volunteers, which might arise by reason of any payment by the insurance company in connection with work performed by Consultant under this Agreement.

2. The insurance coverage shall not be assigned, reduced, amended, cancelled, terminated, or not renewed by either party except after thirty (30) days written notice by certified mail, return receipt requested, to City.

5. **Indemnity.** Consultant agrees to and shall defend, indemnify and hold harmless City, its officers, employees, agents and volunteers from and against all claims, damages, losses and expenses, including attorney's fees and litigation costs and expenses, arising out of the performance of the work described herein, caused in whole or in part by any negligent act or omission of Consultant, any subcontractor of Consultant, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, except where caused by the active negligence, sole negligence or willful misconduct of City. This indemnification and duty to defend and hold harmless the City shall survive completion of the work and term of this Agreement and shall be for the full period of time allowed by law. Lack of insurance coverage does not negate Consultant's obligation under this paragraph or this Agreement.

6. **Consultant Not Agent.** Except as City may specify in writing, Consultant shall have no authority, express or implied, to act on behalf of City in any capacity whatsoever as an agent. Consultant shall have no authority, express or implied, pursuant to this Agreement to bind City to any obligation whatsoever.

7. **Assignment Prohibited.** Consultant may assign its rights and obligations under this Agreement only upon the prior written approval of City, said approval to be in the sole discretion of City.

8. Personnel: Qualifications and Conflicts of Interest.

A. Consultant shall assign only competent personnel to perform services under this Agreement. If City, in its sole discretion, at any time during the term of this Agreement, desires the removal of any person or persons assigned by Consultant to this Agreement, Consultant shall remove the person immediately upon receiving notice from City. No personnel shall be assigned to this Agreement who, due to a financial conflict of interest, is disqualified from performing services under this Agreement.

B. Prior to commencing work under this Agreement, all personnel assigned to the Agreement shall determine whether, by virtue of the work to be performed, they are “consultants” as defined by the Political Reform Act (Cal. Gov. Code §81000, et seq.). They shall then notify the City Clerk in writing of their determination and shall complete and file all required disclosure statements.

9. Standard of Performance. Consultant shall perform all services required pursuant to this Agreement in the manner and according to the standards observed by a competent practitioner of the profession in which Consultant is engaged in the geographical area in which Consultant practices its profession. All products of whatsoever nature which Consultant delivers to City pursuant to this Agreement shall be prepared in a substantial first class and workmanlike manner and conform to the standards or quality normally observed by a person practicing in Consultant's profession.

10. City Representative. The City Manager is the representative of the City and will administer this Agreement for the City.

11. Termination.

A. City shall have the right to terminate this Agreement at any time by giving notice in writing of such termination to Consultant. In the event City shall give notice of termination, Consultant shall immediately cease rendering service upon receipt of such written notice, pursuant to this Agreement.

In the event City shall terminate this Agreement:

1. Consultant shall deliver copies of all writings prepared by it pursuant to this Agreement. The term “writings” shall be construed to mean and include: handwriting, typewriting, printing, photostating, photographing, and every other means of recording upon any tangible thing any form of communication or

representation, including letters, words, pictures, sounds, or symbols, or combinations thereof.

2. City shall have full ownership and control of all such writings delivered by Consultant pursuant to this Agreement.

3. City shall pay Consultant the reasonable value of services rendered by Consultant to the date of termination pursuant to this Agreement not to exceed the amount documented by Consultant and approved by City as work accomplished to date; provided, however, that in no event shall any payment hereunder exceed seventeen thousand five hundred dollars (\$17,500) and further provided, however, City shall not in any manner be liable for lost profits which might have been made by Consultant had Consultant completed the services required by this Agreement. In this regard, Consultant shall furnish to City such financial information as in the judgment of the City Manager is necessary to determine the reasonable value of the services rendered by Consultant. The foregoing is cumulative and does not affect any right or remedy which City may have in law or equity.

B. Consultant may terminate its services under this Agreement upon thirty (30) working days written notice to the City, without liability for damages, if it is not compensated according to the provisions of the Agreement or upon any other material breach of the Agreement by City.

12. Non-Discrimination. Consultant shall not discriminate in its employment practices because of race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, genetic information, marital status, sex, gender, gender identity, gender expression, age, or sexual orientation in contravention of the California Fair Employment and Housing Act, Government Code section 12900 et seq.

13. Ownership of Information. All professional and technical information developed under this Agreement and all work sheets, reports, and related data shall become the property of City, and Consultant agrees to deliver reproducible copies of such documents to City on completion of the services hereunder. The City agrees to indemnify and hold Consultant harmless from any claim arising out of reuse of the information for other than this project.

14. Waiver. One or more waivers by one party of any major or minor breach or default of any provision, term, condition, or covenant of this Agreement shall not operate as a waiver of any subsequent breach or default by the other party.

15. Entirety of Agreement. This Agreement contains the entire agreement of City and Consultant with respect to the subject matter hereof, and no other

agreement, statement, or promise made by any party, or to any employee, officer or agent of any party which is not contained in this Agreement shall be binding or valid.

16. Confidentiality of Materials and Information. All of the materials or information obtained, prepared, or assembled by Consultant pursuant to performance of this Agreement are confidential and Consultant agrees that they shall not be made available to any individual or organization without the prior written approval of City or except by court order. If Consultant or any of its officers, employees, or subcontractors does voluntarily provide information in violation of this Agreement, City has the right to reimbursement and indemnity from Consultant for any damages caused by Consultant releasing the information, including, but not limited to, City's attorney's fees and disbursements, including without limitation experts' fees and disbursements.

17. Counterparts. Where Consultant is a general partnership, the partners may execute this Agreement in two or more counterparts which shall, in the aggregate, be signed by all the parties; each counterpart shall be deemed an original instrument as against any party who assigned it.

18. Governing Law. This Agreement is executed and intended to be performed in the State of California, and the laws of that State shall govern its interpretation and effect.

**NOTICE TO CONSULTANT
OF DISCLOSURE OBLIGATIONS UNDER THE
CALIFORNIA POLITICAL REFORM ACT**

(Bob Murray & Associates/Executive Recruitment for City Attorney)

The Political Reform Act ("PRA") (Government Code §81000, et seq.) provides that "no public official at any level of state or local government shall make, participate in making, or in any way attempt to use his official position to influence a governmental decision in which he knows or has reason to know he has a financial interest." In addition, the Act requires every public official to disclose those economic interests that could foreseeably be affected by the exercise of his or her duties.

The term "public official" includes consultants. (Government Code §82048.) The PRA regulations (2 CCR 18701(a)(2) define consultant to include an individual who makes certain described governmental decisions, or, who serves in a staff capacity with the agency and in that capacity performs the same or substantially all of the same duties for the agency that would otherwise be performed by an individual holding a position specified in the agency's Conflict of Interest Code. A copy of Government Code §82048 and Regulation 18701(a)(2) are attached for your reference.

It is not the business or firm providing services to the City that is considered the consultant. The individuals working for the firm who provide the services are considered the consultants. These individuals must file Statements of Economic Interest based on their personal financial interests and are subject to disqualification and other laws affecting public officials.

Because not all consultants participate in making decisions on behalf of the City in a manner covered by the Political Reform Act, the City does not amend its Conflict of Interest Code each time a consultant is hired. Instead, consultants are included generically in the City's Conflict of Interest Code as designated employees.

Under the law, it is the responsibility of each individual who will be providing services under the agreement to file an Assuming Office Statement, an Annual Statement, and a Leaving Office Statement if he/she determines the work being done under contract with the City qualifies the individual as a "consultant" within the meaning of the law.

Prior to commencing work under this agreement, you must notify the Rocklin City Clerk of your determination and request and file the appropriate forms, if necessary. Please complete and sign the form below and return to the City Clerk.

legal\administration\conflict of interest notice to consultant

**DETERMINATION OF DISCLOSURE OBLIGATIONS UNDER
CALIFORNIA POLITICAL REFORM ACT**
(Bob Murray & Associates/Executive Recruitment for City Attorney)

I have read this Notice to Consultant of Disclosure Obligations under the California Political Reform Act and have determined that (check one):

_____ By virtue of the work that I will perform under this Consultant Services Agreement, I am a public official within the meaning of the Political Reform Act. Enclosed is my Assuming Office Statement (Form 700).

_____ Under this Consultant Services Agreement, I will not be performing the duties of a public official/consultant within the meaning of the Political Reform Act.

Dated: _____

(Name of Consultant)

By: _____
(Signature)

(Type Name)

(Address)

(Address)

**CALIFORNIA ADMINISTRATIVE CODE
 TITLE 2. ADMINISTRATION
 DIVISION 6. FAIR POLITICAL PRACTICES COMMISSION
 CHAPTER 7. CONFLICTS OF INTEREST
 ARTICLE 1. CONFLICTS OF INTEREST; GENERAL PROHIBITION**

§18701. Public Official, Definitions.

(a) For purposes of Government Code §82048, which defines “public official,” and Government Code §82019, which defines “designated employee,” the following definitions apply:

(1) “Member” shall include, but not be limited to, salaried or unsalaried members of committees, boards or commissions with decisionmaking authority. A committee, board or commission possesses decisionmaking authority whenever:

(A) It may make a final governmental decision;

(B) It may compel a governmental decision; or it may prevent a governmental decision either by reason of an exclusive power to initiate the decision or by reason of a veto that may not be overridden; or

(C) It makes substantive recommendations that are, and over an extended period of time have been, regularly approved without significant amendment or modification by another public official or governmental agency.

(2) “Consultant” means an individual who, pursuant to a contract with a state or local government agency:

(A) Makes a governmental decision whether to:

1. Approve a rate, rule, or regulation;

2. Adopt or enforce a law;

3. Issue, deny, suspend, or revoke any permit, license, application, certificate, approval, order, or similar authorization or entitlement;

4. Authorize the agency to enter into, modify, or renew a contract provided it is the type of contract that requires agency approval;

5. Grant agency approval to a contract that requires agency approval and to which the agency is a party, or to the specifications for such a contract;

6. Grant agency approval to a plan, design, report, study, or similar item;

- 7. Adopt, or grant agency approval of, policies, standards, or guidelines for the agency, or for any subdivision thereof; or
 - (B) Serves in a staff capacity with the agency and in that capacity participates in making a governmental decision as defined in Regulation 18702.2 or performs the same or substantially all the same duties for the agency that would otherwise be performed by an individual holding a position specified in the agency’s Conflict of Interest Code under Government Code §87302.
- (b) For purposes of Government Code §87200, the following definitions apply:
 - (1) “Other public officials who manage public investments” means:
 - (A) Members of boards and commissions, including pension and retirement boards or commissions, or of committees thereof, who exercise responsibility for the management of public investments;
 - (B) High-level officers and employees of public agencies who exercise primary responsibility for the management of public investments, such as chief or principal investment officers or chief financial managers. This category shall not include officers and employees who work under the supervision of the chief or principal investment officers or the chief financial managers; and
 - (2) Individuals who, pursuant to a contract with a state or local government agency, perform the same or substantially all the same functions that would otherwise be performed by the public officials described in subdivision (b)(1)(B) above.
 - (3) “Public moneys” means all moneys belonging to, received by, or held by, the state, or any city, county, town, district, or public agency therein, or by an officer thereof acting in his or her official capacity, and includes the proceeds of all bonds and other evidences of indebtedness, trust funds held by public pension and retirement systems, deferred compensation funds held for investment by public agencies, and public moneys held by a financial institution under a trust indenture to which a public agency is a party.
 - (4) “Management of public investments” means the following nonministerial functions: directing the investment of public moneys; formulating or approving investment policies; approving or establishing guidelines for asset allocations; or approving investment transactions.

COMMENT: In limited circumstances, the members of a nonprofit organization may be “public officials.” (In re Siegel (1977) 3 FPPC Ops. 62.)

- 6. Amendment of section heading, section and Note filed 1-11-2001; operative 2-1-2001. Submitted to OAL for filing pursuant to Fair Political Practices Commission v. Office of Administrative Law, 3 Civil C010924, California Court of Appeal, Third Appellate District,

nonpublished decision, April 27, 1992 (FPPC regulations only subject to 1974 Administrative Procedure Act rulemaking requirements) (Register 2001, No. 2)

**WEST'S ANNOTATED CALIFORNIA CODES
GOVERNMENT CODE
TITLE 9. POLITICAL REFORM
CHAPTER 2. DEFINITIONS**

§82048 Public Official

“Public official” means every member, officer, employee or consultant of a state or local government agency, but does not include judges and court commissioners in the judicial branch of government. “Public official” also does not include members of the Board of Governors and designated employees of the State Bar of California, members of the Judicial Council, and members of the Commission on Judicial Performance, provided that they are subject to the provisions of Article 2.5 (commencing with Section 6035) of Chapter 4 of Division 3 of the Business and Professions Code as provided in Section 6038 of that article.



City Council Report

Subject: Quarry Park Amphitheater Rental Policies and Fees

Submitted by: Karen Garner, Director

Date: July 26, 2016

Department: Recreation, Arts, and Event Tourism

- **Staff Recommendation:** Approve Resolution No. 2016-XXX adopting the Rental Policies and Fees for Quarry Park Amphitheater.

BACKGROUND:

Quarry Park was opened on April 16, 2016 and since that time, there have been several entertainment events held at the amphitheater. Some of the events have been city run events while others were partnerships with entertainment and nonprofit performing arts groups. These events have allowed staff to learn and better understand all aspects of hosting performances at the amphitheater including staffing needs, operations and appropriate rules and regulations.

Similar to the Rocklin Event Center and other rental facilities, policies and rental fees must be adopted for the use of the facility. However, the Quarry Park Amphitheater is unique in both its function and purpose. One of the main goals of the amphitheater is to serve as an entertainment venue that draws people from throughout the region and serves as an economic engine for the city.

When not in use for entertainment purposes, the amphitheater is part of Quarry Park, a space open to the public. To limit impacts to the public and preserve Quarry Park for general public enjoyment, rental of the amphitheater shall be limited primarily to entertainment purposes including music and performing arts. Because of the amphitheater's unique purpose, policies and rental fees are structured for entertainment and performing art users.

The rental and operations of the amphitheater for entertainment and performing arts uses is more complex than other city rental facilities therefore, a comprehensive set of policies and flexible rental fees are necessary (included as Resolution Exhibit A and B). An application and other forms have been included as informational items (Attachments A, B and C). The detailed application and forms will allow staff to thoroughly evaluate the scope and needs of the proposed event. In most cases, staff will meet with the applicant after the application has been submitted to ensure a thorough understanding of the event proposed. Once all necessary information has been collected, staff will determine the appropriate rental fees for the proposed event and prepare a contract specifying all requirements, timeframes for

submittal of information, and application of policies, such as the specific levels of insurance that are appropriate.

The rental fees are based on actual staffing costs and the services, equipment and supplies necessary for an event. The list of fees includes the following;

“Base Rental Fee” - These fees are based on a “typical” entertainment event that is four-hours in length (from “gates open” time to 30 minutes after the conclusion of the event) and by attendance size of the event. This includes the required staffing, equipment and supplies.

“Hourly Rate” - An hourly rate has also been established for events longer than four hours which also is based on actual staff costs.

“Deposit” – The deposit is refundable, but some or all of the deposit can be withheld due to damage to the venue, events that run longer than anticipated or other unplanned costs.

“Additional Staffing/Services” – Depending on the specific nature of the event, other staffing or services may be desired by the renter or could be required by RAET staff after review of the application. For example, if the event will be a ticketed event, temporary fencing must be used and a fee has been established for set-up and tear-down of the fencing, including staffing costs. Staffing for ushering or ticketing may be required for events, however, if the renter has demonstrated success of putting on other similar entertainment events, RAET staff may determine the applicant can provide their own staffing for these functions rather than require use of RAET staff.

“Pass Through Fees” – These fees are for items the applicant may be required to provide but would be paid directly to the provider based on actual costs. Police staffing is calculated ahead of time and the renter is required to submit a deposit based on that estimate. After the event, the renter may receive a partial refund or may be required to pay additional fees based on actual police staffing costs. Sound and lighting is also a pass-through cost as city staff is not equipped to provide the level of sound or lighting services needed for most concerts and events. RAET staff will also require renters to use approved sound and lighting companies. An experienced sound and lighting company is critical to both the quality and success of the event. A noise study was conducted by Bollard Acoustical Consultants for sound impacts of the venue on surrounding residential homes. One of the recommendations of the study was to maintain a list of sound companies that understand and can monitor sound levels within recommended levels and have sound systems that can direct sound towards the audience rather than beyond the amphitheater. The noise study identified these factors as a way to limit the impact on nearby residents.

“Additional Fees” – staff recommends a non-refundable application fee of \$100. Due to the staff time involved in reviewing an application, the fee would help cover staff costs as well as ensure potential renters are committed to their proposed event. Staff also recommends collecting 10% of gross sales if there are beer/wine sales at the event and a flat fee per food truck or food vendor. A percentage of sales for food, beverages or merchandise is standard for entertainment related venues.

Because of the interest already received in renting the amphitheater, it is important to establish fees as soon as possible that are reasonable and related to the actual cost of staffing and operating the facility. Staff recommends adding these fees to the citywide fee schedule in the future, so that they can be reviewed and updated on a regular basis. The Finance Department will soon be conducting a comprehensive update to the fee schedule. At that time, the Quarry Park Amphitheater fees will be analyzed and revised if necessary and added to the citywide fee schedule. Staff will also review fees and policies for other rental facilities, including the Event Center and bringing updates to Council later this year.

One of the goals of the amphitheater is to provide a variety of entertainment and performing arts options as well as low-cost or free events. To consider such opportunities, staff recommends reviewing requests to reduce or waive fees against the following standards. The City Manager and Director of Recreation, Arts, and Event Tourism will consider such requests for events that meet the majority of the following criteria;

- Event is an entertainment, art or performing art related event (this is required for all requests.)
- Nonprofit sponsored event that is open to the public and is offered low or no-cost.
- Event advances the City's art objectives as identified in the Rocklin Public Art Master Plan or provides a unique public benefit.
- Event supports or provides benefit to other city programs or services or enhances the city's ability to attract additional events the city might not otherwise be able to attract.
- Event proposed for non-peak day(s) or season.

FINDINGS, CONCLUSIONS & RECOMMENDATIONS:

Findings:

- The Quarry Park Amphitheater is intended to serve as an entertainment venue for the region and should be rented primarily for entertainment and performing arts purposes.
- Other city owned rental facilities exist in the city to serve other needs such as fundraising events, weddings, corporate and family celebrations.
- There is demand to rent the amphitheater, therefore standards rates and policies need to be established.
- Fees should, at a minimum, cover staffing and operational costs.
- Staffing and operational needs for events at the amphitheater are complex and unique to each event.
- Pricing and policies should be established that are flexible to address the various needs an event may require.

Conclusions:

- Creating policies, fees and an application packet for the amphitheater ensures a thorough review of proposed events and proper staffing, operations and short- and long-term maintenance of the venue.

*City Council Report – Quarry Park Amphitheater Policies and Pricing**July 26, 2016**Page 4*

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- Creating criteria to consider fee reductions or waivers allows consistent review of such requests and allows the city to provide low-cost, free or unique entertainment and performing arts options that the city might not otherwise be able to offer.

Recommendations:

- Approve Resolution No. 2016-XXX adopting the Rental Policies and Fees for Quarry Park Amphitheater.

Alternatives:

- Do not approve the policies and do not allow rental of amphitheater to outside groups.

Fiscal Impact:

- The City will see an increase in rental income to offset staffing and maintenance of the venue.



Ricky A. Horst, City Manager
Reviewed for Content



DeeAnne Gillick, Interim City Attorney
Reviewed for Legal Sufficiency

- Attachments: A – Quarry Park Amphitheater Use Application (for informational purposes only)**
B – Quarry Park Amphitheater Rules & Regulations (for informational purposes only)
C – Alcoholic Beverage Sales Policy (for informational purposes only)

ATTACHMENT A – QUARRY PARK AMPHITHEATER RENTAL APPLICATION (FOR INFORMATIONAL PURPOSES ONLY)



City of Rocklin
Quarry Park Amphitheater
Use Application

Date Submitted: _____

Applicant Information

First Name: _____ Last Name: _____

Address: _____ City/State/Zip: _____

Phone 1: _____ Phone 2: _____

Email: _____

Name of Applicant Organization: _____

Corporation LLC 501(c)3 Sole Proprietor Other _____

Name of Event: _____

Description of Event: _____

Date of Event: _____

Time Set-up begins: _____

Time Sound check: _____

Time Gates Open: _____

Act #1 Name: _____ Start Time: _____ End Time: _____

Act #2 Name: _____ Start Time: _____ End Time: _____

Act #3 Name: _____ Start Time: _____ End Time: _____

Act #4 Name: _____ Start Time: _____ End Time: _____

Time Event Ends (no later than 10 pm): _____

Time Tear-Down ends: _____

If multi-day event, please list dates as well as times for each item.

Planned number of attendees: _____

Expected audience age range: _____

Will the event be open to the public? Yes No

Will an admission fee be charged? Yes No

If yes, list all ticket prices: _____

Will tickets be sold online? Yes No

If so, what ticket system & website? _____

How will event be marketed (list media types to be used) _____

The City will arrange for, oversee and coordinate the installation of the following services: Rigging, Electrical, Audio/Visual, Lighting, Chairs, Tents, Stages, Staffing, including Police, parking and other miscellaneous services and/or equipment provided by the City and licensed, insured companies contracted with the City to perform said services. The renter shall bear all costs associated with contracted service providers of the City for rental events. See Exhibit A for fee schedule..

Attach proposed Artist/Performer rider agreements and stage plot plans/layouts to this application. City will coordinate with contracted production service providers.

Sound levels at the Quarry Park Amphitheater may not exceed levels established by the City of Rocklin. Monitoring of sound levels will be taken periodically throughout the event as well as during set-up and sound checks. If sound levels exceed the established level, the Quarry Park Amphitheater Supervisor will request that the volume is adjusted to an appropriate level. Failure to comply with such a request shall constitute a violation of Rocklin Municipal Code Chapter X.XX and be cause for fines, immediate termination of the event and forfeiture of deposit and rental fees. Average and maximum sound levels should be limited to 90 dB Leq and 95 dB Lmax at the sound mixing stage.

Are you requesting tent structures be installed? Yes No Number Requested: _____

Are you requesting chairs be set? Yes No Number Requested: _____

Will commercial/craft/nonprofit/sponsor vendors be onsite? Yes No

Are you requesting to sell alcohol? Yes No

What company will be responsible for the sales/service of alcohol? _____

Alcohol Sales/Service Providers Contact Name: _____

Alcohol Sales/Service Providers Phone Number: _____

*Alcohol sales are subject to 10% commission paid to the City within ten (10) business days. See Attachment D must be filled out and submitted to the City along with this application.

Will catering services be provided in the greenroom? Yes No

Catering company name: _____

Catering company contact name: _____

Catering company phone number: _____

List all sub-contractors/service providers that will be conducting business on City of Rocklin property on behalf of proposed event (company name/service provided):

I understand that this is not a reservation guarantee and that reservations are not guaranteed until written confirmation from the City of Rocklin Recreation, Arts, and Event Tourism in the form of a contract is received and all terms and conditions of the contract are met. I further understand that a security deposit does not indicate a reservation guarantee.

Renter Signature: _____ Date: _____

Name (Print Full Legal Name): _____

Title: _____

Organization or Business Name: _____

Address/City/State/Zip: _____

Phone Number: _____ email: _____

Application Checklist

- Non-refundable \$100 Application Filing Fee attached
- Application fully completed
- Letter requesting to sell alcohol on City property attached if applicable
- Proposed event layout and site plan attached

**Return this application and all required documents and payment to:
City of Rocklin
Recreation, Arts, and Event Tourism
5460 5th Street | Rocklin, CA 95677**

For City Use:

The following information will be determined upon review of this application by the City. The City will schedule a formal meeting between the Renter and the City, in which the Renter may be required, based upon information provided in this application and determined necessary in the formal meeting, to provide the following:

Event Operations

- Additional number of portable restroom units: standard____ and handicap____
- Portable restroom delivery date/time: _____ Pick-up date/time: _____
- Additional number of hand sinks for food vendors and/or the public in attendance: _____

The City requires submittal of the following information in the timeframes specified. Failure to provide required documentation may result in cancellation of reservation.

Required Information

- Original signed application and application fee (\$100) submitted to City of Rocklin, Recreation, Arts, and Event Tourism (RAET) at least **90 days** prior to event.
- Refundable Security Deposit in the amount of \$ _____ due **90 days** prior to the event.
- Original signed contract due to City by renter a minimum of **90 days** prior to the event. Reservations are not guaranteed until signed contract and security deposit have been received by the City.
- Rental Fees due a minimum of **90 days** prior to event.
- Police staffing deposit (if applicable) due **30 days** prior to event.
- Application for Permit from Alcoholic Beverage Control due for signature by City **30 days** prior to event (if applicable).
- Copy of 501(c)3 documentation attached to this application (if applicable).
- Copy of City of Rocklin Business License due **30 days** prior to rental date
- Certificate of Liability Insurance and Endorsement for Renter due **60 days** prior to rental date
- Certificate of Liability Insurance and Endorsement for Renter's vendor serving/selling alcohol due **60 days** prior to rental date.
- Application for Permit from Alcoholic Beverage Control due **30 days** prior to rental date.
- Approved Permit from Alcoholic Beverage Control due **15 days** prior to rental date.
- Copy of ambulance/paramedic service contract due **30 days** prior to rental date.
- Certificate of Liability Insurance and Endorsement for renter's vendors, entertainers, sub-contractors and service providers due **30 days** prior to rental date.
- First draft event layout and timeline due **90 days** prior to rental date.
- Final draft event layout and timeline due **30 days** prior to rental date.
- On-site park walk through with City staff will be schedule by City of Rocklin Recreation, Arts, and Event Tourism Department. Date/time: _____

ATTACHMENT B – QUARRY PARK AMPHITHEATER VENUE RULES AND REGULATIONS
(FOR INFORMATIONAL PURPOSES ONLY)

QUARRY PARK AMPHITHEATER RULES & REGULATIONS

The City of Rocklin is dedicated to providing a high quality entertainment experience. Guests who do not choose to abide by our policies will be ejected from the amphitheater. Ejections are documented and anyone ejected from the amphitheater may be banned from future events. The purpose of our policies is to help ensure that all Quarry Park guests enjoy a positive and safe experience.

The following rules and regulations will be enforced for all ticketed concerts at Quarry Park. All individuals and their belongings are subject to search. The Following information is subject to change without notice;

PERMITTED:

- Each attendee can bring in a single towel/blanket for seating in General Admission areas, not to exceed 3' x 5' **OR** a single low profile chair*
- One (1) Sealed plastic water bottle per attendee
- Seat cushions
- Guests with medical bags or items they must carry with them will be inspected and either have a wristband or sticker placed on it to show that it has been inspected
- Cameras with 3 inch lenses or shorter
- Smoking only permitted in designated areas of the venue.

*Low Profile Chairs: The specific measurements for a chair to qualify as low-profile are; no more than 6 inches from the ground to the seat, and no more than 20 inches from the top of the chair to the ground.

Anyone possessing PROHIBITED items will be asked to return them to their vehicles before being allowed to enter the amphitheater or will be asked to dispose of the item/items in the garbage cans provided at the gate.

PROHIBITED:

- Chairs exceeding the low profile regulations
- Blankets exceeding size regulations
- Any outside food or beverages; Cans, glass bottles or alcoholic beverages
- Coolers of any size (including soft sided coolers)
- Pets (with the exception to service animals)
- Weapons of any kind (including silverware) or Pepper Spray
- Bullhorns, klaxons, whistles, or any other noise makers that will disrupt the performance
- Laser pointers of any type
- Musical instruments
- Projectiles or throwing objects of any kind (such as beach balls, Frisbees, hula hoops, footballs, or any other throwing type item)
- Any object that will create a fire (lighters, candles, fireworks, sparklers, etc.)
- Professional recording devices of any kind
- Umbrellas
- Strollers or playpens
- Signs, banners, or tripods that interfere with the view of the performance for other guests

- Skateboards, bicycles, roller skates, in-line skates, scooters, Segway's, or hoverboards
- Wallet chains, spiked bracelets or belts
- Occupying any seat without the appropriate ticket
- Irresponsible drinking or behavior
- Illegal substances or drugs
- Any gestures and/or clothing that utilizes profane language or content that promotes fosters, or perpetuates discriminations on the basis of race, creed, color, age, religion, gender, marital status, status with regard to public assistance, national origin, physical or mental disability, sexual orientation, conduct or encouragement of illegal activity.
- Any distraction to the performance or performers
- Mistreatment to other guests or staff/personnel, including but not limited to, verbal abuse, harassment, profanity, confrontations, intimidation, or threatening behavior
- Failure to follow the directions of law enforcement, security, ushers, ticket takers, or any other City of Rocklin personnel will result in ejection from the location.

ATTACHMENT C – QUARRY PARK AMPHITHEATER BEVERAGE SERVICE POLICIES (FOR INFORMATIONAL PURPOSES ONLY)

Beverage Service Policies (Beer/Wine Sales)
Quarry Park Amphitheater

- Beer-based or wine-based drinks (such as wine margaritas) may be sold, so long as drinks do not include any other liquor or alcoholic beverage. Malt-based beverages with an alcohol volume of 6% or less may only be allowed upon review and approval by the City of Rocklin Director of Recreation, Arts, and Event Tourism (or designee) and Police Chief (or designee). Requests must be submitted to the Director of Recreation, Arts, and Event Tourism at least 10 days prior to the event date. No other alcoholic beverages, spirits or liquors shall be served.
- Renter or contracted beverage service company is required to obtain all required permits and licenses as required by California State Department of Alcoholic Beverage Control (“ABC”). This is typically done by completing ABC Form 221. This form requires signatures by the City of Rocklin Director of Recreation, Arts, and Event Tourism (or designee) and Police Chief (or designee) and must be submitted to the City at least 30 days prior to the event date.
- Renter shall comply with all requirements of ABC and applicable, federal, state and local laws. In addition, Renter is responsible for the following;
 - Compliance with provisions of ABC Form 532 “Information for Special Daily Licenses” (<http://www.abc.ca.gov/forms/pdfall.asp>).
 - Service Club or Nonprofit staff may not sell, furnish or give alcoholic beverages to persons who are obviously intoxicated.
- Up to two booths can be set-up for beer/wine sales. Each booth must have a sign posted that beer/wine sales will end 30 minutes prior to end of event.
- A separate ID Check booth must be staffed to check ID’s and issue wristbands. Anyone issued a wristband must have proper (government) photo-ID indicating they are 21-years old or older. Anyone without a proper ID will NOT be issued a wristband (regardless of appearance of age).
- Beer/wine sales can begin at “door open” time and must end 30 minutes prior to the end of the show.
- At the conclusion of beer and wine sales, Renter is responsible for clean-up of beer/wine sales and ID area. All trash shall be disposed of in trash receptacles. Leftover ice or other liquids shall not be disposed of on the grass, on paved areas or in landscape areas.
- The City of Rocklin reserves the right to end beer and wine sales at any time if Renter or Renter’s contracted beverage service fails to comply with these requirements or if problems arise related to beer and wine sales including, but not limited to property damage, excessive noise or actions that may affect the health or welfare of attendees or other members of the public.

- Renter or Renter's contracted beverage service shall provide at its sole cost and expense, all facilities, equipment, and other materials which may be required for furnishing beer/wine services.
- Plastic cups or bottles must be used for beer and wine sales. No glass or bottles will be allowed to be sold.
- Renter shall pay City 10% of net sales for all beverages sold at Renter's event. Payment shall be remitted to the City within 10 business days after the event along with Exhibit C

Insurance Requirements

1. Renter or Renter's contracted beverage service shall maintain in full force and effect a policy of commercial general liability insurance (ISO occurrence form CG0001) fully covering all activities and undertakings of Service Club or Nonprofit connected with this event. All coverage available to Service Club or Nonprofit as named insured shall be made available to the City, its officers, employees and volunteers as additional insured. Principal shall provide to City the full policy limits of Service Club or Nonprofit's insurance, with limits no less than, a combined single limit of Two million dollars (\$2,000,000) per occurrence for injury or death to any person and One Hundred Thousand Dollars (\$100,000) for damage to property.
2. Each policy shall contain or shall be endorsed to contain the following provisions:
 - a. City, its officers, employees, agents and volunteers shall be added as "insureds," except that coverage shall not extend to any indemnity coverage for the active negligence of the additional insured in any case where an agreement to indemnify the additional insured would be invalid under subdivision (b) of section 2782 of the Civil Code;
 - b. Renter or Renter's contracted beverage service insurance coverage shall be primary as to City, its officers, employees, agents and volunteers, and City's insurance or self-insurance coverage shall be excess of the Event's insurance and shall not contribute with it;
 - c. Renter or Renter's contracted beverage service insurers shall provide City at least thirty days prior written notice of material changes to or cancellation of the insurance policy, or a reduction in limits below the minimums required by this Agreement.
3. The insurance company or companies providing Renter or Renter's contracted beverage service coverage as required by this Agreement shall be admitted in the State of California and have a current A.M. Best's rating of no less than A:VIII or equivalent, unless otherwise approved by the City Manager in his sole discretion.
4. Any deductibles or self-insured retentions must be declared to and approved by the City.

At the option of City, either: the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the City, its officers, employees and volunteers; or Renter or Renter's contracted beverage service shall procure a bond guaranteeing payment of losses and related investigations, claim administration and defense expenses.

5. The insurance shall be maintained from the time set-up first commences until completion of the Event and related activities described in this Agreement, and shall be an occurrence policy.
6. Renter or Renter's contracted beverage service, for any reason, fails to maintain insurance coverage which is required under this Agreement, the failure shall be deemed a material breach of this Agreement and City may, at its sole option, terminate this Agreement and obtain damages from Renter or Renter's contracted beverage service resulting from the breach.
7. Renter or Renter's contracted beverage service shall furnish City with original certificates and amendatory endorsements effecting coverage required by this Agreement. All certificates and endorsements are to be received and approved by the City before the activities commence. The City reserves the right to require complete, certified copies of all required insurance policies, including endorsements affecting the coverage required by this Agreement at any time. Renter or Renter's contracted beverage service shall replace certificates of insurance for policies expiring prior to completion of the activities under the Agreement.
- **Indemnification.** Renter or Renter's contracted beverage service shall indemnify and defend the City against any and all loss, damage, and liability for damages, including attorney's fees and other costs of defense incurred by the City, whether for damage to or loss of property, or injury to or death of City, employees, agents, or other members of the public which shall in any way arise out of or be connected with Service Club or Nonprofit's operation hereunder, unless damage, loss, injury, or death shall be caused solely by the negligence or willful misconduct of the City.

BEER & WINE SALES STAFFING, EQUIPMENT & SUPPLIES

Event Information

Event Name: _____
 Event Date: _____
 Event Doors Open Time: _____
 Event Start Time: _____
 Event End Time: _____
 Beer/Wine Sales Start Time: _____
 Beer/Wine Sales End Time: _____
 (30 minutes before end of show)
 Expected Event Attendance: _____
 Number of Beer/Wine Sales Booths: _____
 Size of tent(s) to be used: _____
 Min. # of taps per booth: _____
 Min. # staff per booth*: _____
 Min. # staff for ID Check booth: _____
 Other wine, beer or malt-based No
 beverage? (must be 6% or less ABV) Yes Name: _____ ABV: _____ Sales Price: _____

* City recommends assigning separate staff for cashier, beer pouring/serving and wine pouring/serving

Checklist for Beer/Wine Sales

	ABC application submitted to the City of Rocklin Department of Recreation, Arts & Event Tourism at least 10 days prior to event.
	ABC application submitted to the City of Rocklin Police Department at least 10 days prior to event (must include sign off from Recreation, Arts & Event Tourism)
	Insurance certificates submitted to City of Rocklin Department of Recreation, Arts & Event Tourism at least 10 days prior to event.
	Compliance with provisions of ABC Form 532 "Information for Special Daily Licenses"
	Remit Exhibit C along with payment within 10 business days after event

BEER/WINE SALES PAYMENT REMITTANCE

Renter: _____
Event: _____
Date: _____

Gross Income: _____
10% of Net Income: _____

Please submit this form within 10 business days of conclusion of event. Please make check payable to:
City of Rocklin and submit form and payment to:

City of Rocklin
Recreation, Arts, and Event Tourism
5460 5th Street
Rocklin, CA 95677

RESOLUTION NO. 2016-

RESOLUTION OF THE CITY COUNCIL
OF THE CITY OF ROCKLIN APPROVING AND ADOPTING
POLICIES AND RENTAL FEES FOR QUARRY PARK AMPHITHEATER

The City Council of the City of Rocklin does resolve as follows:

Section 1. The City Council of the City of Rocklin approves the Policies for the Quarry Park Amphitheater attached hereto as Exhibit A and Council hereby approves Rental Fees for Quarry Park Amphitheater attached hereto as Exhibit B.

PASSED AND ADOPTED this 26th day of July, 2016, by the following vote:

AYES: Councilmembers:

NOES: Councilmembers:

ABSENT: Councilmembers:

ABSTAIN: Councilmembers:

Gregory A. Janda, Mayor

ATTEST:

Barbara Ivanusich, City Clerk

Exhibit A - Quarry Park Amphitheater Policies

Purpose of the Quarry Park Amphitheater

When not in use for entertainment purposes, the amphitheater is part of Quarry Park, a space open to the public. To limit impacts to the public and preserve Quarry Park for general public enjoyment, rental of the amphitheater shall be limited primarily to entertainment purposes including music and performing arts.

Contract

Based on information submitted in the application and any additional information submitted to the Department of Recreation, Arts, and Event Tourism, a contract will be prepared for the renter including rental fees, required documents and timeframes for submission of documents or other information. Upon execution of the contract and when the standards as described in Rocklin Municipal Code Section 12.20.025 are met, the contract shall serve as a permit entitling renter to use of the Quarry Park Amphitheater as described in the contract. For information purposes only the application form is attached hereto as Attachment A.

Fees

Every event is unique and final fees will be determined based on information submitted in the application and specific needs of the event proposed. Fee rates will be included as part of the City's Fee Schedule and are subject to annual updates. Current Fee Rates are shown on Exhibit B. Based on the information submitted in the application and any additional information requested by the City, the City will determine how many City personnel are required to be onsite, in what positions and what length of time, at which time the renter will be charged the associated fees applicable. Only City staff (or city contracted staff) will manage the following areas: Stage, Venue and Operations Management, set-up/tear-down, traffic control, parking, trash collection and restroom maintenance. A refundable security deposit will range from \$1,000 to \$2,000 depending on the type of event proposed and expected attendance. Fees will be determined and entered into the renter's contract. Fees owed in the form of food or alcohol sales fees or commission are payable to the City in the timeframe as specified in the contract.

The City may choose to reduce or waive fees for certain events if certain criteria are met. The City Manager and Director of Recreation, Arts, and Event Tourism will consider such requests for events that meet the majority of the following criteria;

- Event is an entertainment, art or performing art related event (all requests must meet this criteria).
- Nonprofit sponsored event that is open to the public and is low or no-cost
- Event advances the City's art objectives as identified in the Rocklin Public Art Master Plan or provides a unique public benefit.
- Event supports or provides benefit to other city programs or services or enhances the city's ability to attract additional events the city might not otherwise be able to attract and that would pay full cost.
- Event proposed for non-peak day(s) or season.

Refunds and Deposits

A refundable security deposit is due at the time of submission of signed contract to City. Timeframes for submission of the security deposit, notice of cancellations and refunds or retention of the security deposit will be established by the Director of Recreation, Arts and Event Tourism. Deposits will be used by the Department of Recreation, Arts, and Event Tourism to repair, replace or pay for any property damage that occurs during the rental either by the renter or any participant at the event produced by the renter or for staffing costs if event exceeds stated time frame. The unused portion of the deposit will be refunded to the renter after the event. However, the deposit may be held at the discretion of the Department of Recreation, Arts, and Event Tourism for any period of time necessary to determine the full extent of damages and to make all repairs and/or secure replacements. The deposit will be refunded upon the following conditions: 1. All terms of the contract have been met. 2. All facilities are left in good condition. 3. Cancellation procedures have been followed.

Reservation Procedures

No oral agreements for use of the Quarry Park Amphitheater shall be valid. All valid reservations will be confirmed in writing in the form of a contract and all conditions and terms of the contract are met. Use of the Quarry Park Amphitheater is determined on a first-come, first-served basis. Maximum reservation periods will be established by the Director of Recreation, Arts, and Event Tourism. Reservations are not confirmed until this application is completed and signed by the renter, received and approved for use by the Department of Recreation, Arts, and Event Tourism, a rental agreement is produced and fully executed and all conditions and terms of the rental agreement have been met. All fees must be paid in advance of the rental date in a timeframe specified in the contract. Failure to pay all fees as specified in the contract constitutes a breach of rental agreement for use of the Quarry Park Amphitheater and will result in the immediate cancellation of the rental date. All applicable fees, necessary documents, correct insurance certificates and endorsements must be received by the City before or on date items are stated as due in rental contract. If renter fails to meet said deadlines rental will be cancelled by the City. At this time, renter may be offered a new rental date if available and renter will complete a new application and begin a new reservation procedure.

Additional charges may be assessed for property damages and extended occupancy periods beyond what is stated in the rental agreement. Upon submittal of an invoice of additional charges and within the time period specified in the contact, the renter shall pay all additional charges in excess of the deposit.

Use of Volunteers Supplied by Renter

Renter's use of volunteers to support the event is subject to approval by the City. Approved volunteers may perform nonessential job duties. Examples of nonessential job duties include selling raffle tickets, handing out brochures, beer/wine service, merchandise sellers and ushering. Paid staff must be used in positions of security, ticketing and bag check at entry gates, and secured backstage areas. Volunteers may also not be used for., parking attendants, traffic control, trash removal and restroom maintenance as these positions are managed by City personnel and inclusive in rental fee for venue use unless otherwise agreed upon and evidenced in writing signed by both parties.

Sponsorship, Marketing, Advertising

Sponsorships shall not be secured, and advertising/announcements/websites shall not be made public, prior to written confirmation from the City of Rocklin Department of Recreation, Arts, and Event Tourism in the form of a contract. Advertising or announcements, including all marketing materials and collateral, passes and tickets, must be pre-approved by the Department of Recreation, Arts, and Event prior to release. Tickets may not be sold prior to written confirmation from the City of Rocklin Department of Recreation, Arts, and Event in the form of a rental agreement. Renter may be required to include in all marketing/advertising materials policy statements pertaining to the Quarry Park Amphitheater and/or the City of Rocklin.

Concessions

Renter may contract with a third party or parties to provide food and beverage (non-alcoholic and alcoholic) concessions at Event. Should renter choose not to provide food and beverage concessions, the City reserves the right to provide food and beverage concessions. Alcohol sales shall be limited to beer and wine, beer or wine-based drinks (i.e., wine margaritas) or malt beverages with less than 6% ABV. No other type of alcoholic beverages including cocktails, drinks made with distilled spirits, etc. will be allowed and all required licensing must be obtained. No bottles or glass containers will be allowed. Alcohol sales require Renter to enter into separate agreement with the City. For information purposes only the current Beverage Service Policies are attached hereto as Attachment C.

Renter agrees to pay the City 10% of gross alcohol sales and a flat fee of \$50 per food or other non-alcoholic beverage vendor or food truck. These fees shall be paid within the time period specified in the contract.

Renter shall be responsible for obtaining all necessary licenses required through the State of California Alcohol and Beverage Control (ABC), the Placer County Department of Health as well as the Rocklin

Police Department, and comply with all state and local laws regarding the sale of alcohol or food. Copies of any license(s) or permit(s) from other state or local agencies shall be submitted to the city within the time period specified in the contract. In the event that the required permits are not obtained, or inappropriate alcohol is sold at the Event, City has the exclusive right to delay or cancel the Event at no cost or obligation to City.

Restroom Facilities

Quarry Park Amphitheater is equipped with permanent restroom facilities: two separate 4-stall women's restrooms (8 stalls total) and two separate 4-stall men's restrooms (8 stalls total). Based on information submitted in the application and projected event attendance, additional portable restroom facilities may be required. Renter agrees to provide and pay for the necessary number of portable restroom facilities in compliance with current building code and ADA standards. The City will determine the timeframe for delivery and pickup of portable restrooms. It is the renter's responsibility to ensure any required portable restrooms are delivered and picked up within the time frames specified. Failure to do so may result in a delay or cancelling of the event.

Merchandise Sales and Revenue

The City acknowledges and agrees that renter shall have the right to sell, and/or to authorize third parties to sell, non-food and non-beverage merchandise at the Event. Merchandise sales must be consistent with the policies adopted by City of Rocklin Resolution 2014-4. All revenue (100%) derived from such merchandise sales shall be retained by renter or its authorized third parties. The City shall be allowed to sell venue merchandise and tickets to future events from a designated structure within the venue. All revenue (100%) derived from such venue merchandise and ticket sales shall be retained by the City.

Venue Rules

Renter agrees to notify and make available to all ticketholders the City's Rules and Regulations for the venue as well as parking information. This information shall be available on renter's ticketing website once ticket sales begin and shall remain posted through the duration of the event. (For information purposes only the current Rules and Regulations are attached hereto as Attachment B)

Traffic Control & Parking

The City of Rocklin will manage all parking operations for Renter's event. The City will determine the number and location of parking lots to be used for Renter's event based on the information contained in the application. Parking lots shall be used for their intended purposes and will be manned and controlled by City staff or professional parking firm contracted through the City. Renter may not sell, as any part of a ticket package or sponsorship, City parking lots. The City will designate and provide Renter with areas to be used for equipment Loading/Unloading, Bus and/or RV parking for performers. No other passes will be recognized and/or approved to park in these designated areas. If it is determined that traffic control by the Rocklin Police Department is needed on Rocklin Road, Pacific Street or other surrounding public thoroughfares as a result of Renter's event, all costs associated with traffic control will be borne by the Renter.

Backstage and Vendor Passes

The City and Renter will agree upon the number of Amphitheater Backstage and Vendor Passes to provide Renter and/or the scope of any "meet and greet" events based on the information contained in the application. Vendor Passes provide vendors with in and out privileges, but do not give vendors access to backstage or other restricted areas.

Noise & Lighting

To minimize negative noise impacts and comply with the City of Rocklin noise level standards, the City of Rocklin requires any event with amplified sound to contract with an approved sound production company. In addition, all amplified sound shall end by 10 pm. Concert speakers should be placed on the stage or if suspended above the stage, shall be angled downward towards the audience. Average and maximum sound levels should be limited to 90 dB Leq and 95 dB Lmax at the sound mixing stage. Additional stage lighting shall be angled towards the stage or audience and shall not flash or project outside of the venue.

Photography/Recording/Broadcast

Renter has the right (at its sole cost and expense) to photograph, make audio or video recordings of, broadcast, and/or stream the Event. The renter shall own the copyright in any such photographs, recordings (audio and/or video) and/or broadcasts and shall have the free and unrestricted right to use any such photographs, recordings (audio and/or video) and/or broadcasts in any manner it sees fit in perpetuity, including, without limitation, broadcast on its radio stations or on its website. The renter shall be solely responsible for obtaining any and all consents required from the artists performing at the Event required for the renter to fully exercise its rights.

The City of Rocklin uses surveillance cameras to monitor the facility for safety and security purposes. These cameras are monitored by the Rocklin Police Department and capture video only with no audio. The video is stored pursuant to the City of Rocklin's retention schedule.

Law Enforcement

The City will determine if Rocklin Police staffing will be required for rental event using information provided in this application. The City reserves the right to, and shall have the authority to, require a reasonable number of officers which it deems necessary for a particular event to insure the safety of the public, the premises and the Quarry Park Amphitheater at all times during which the facility is used and occupied by the Renter, or by persons authorized by the Renter. This includes but is not limited to officers stationed within the venue, traffic control and dispatch. Assigned officers will provide services only as stated in the contract. Renter is responsible for providing private security or other staffing for any services outside of the scope of the contract. Renter is responsible for all costs for police staffing associated with the event. A deposit for police staffing costs is required within the time period specified in the contract.

Security

If renter will be providing private security, information on security firm must be submitted to city within the time period specified in the contract. It is the Renter's responsibility to ensure that all security guards have a current and valid registration with the California Bureau of Security and Investigative Services.

Emergency Medical Personnel

The City will determine if an ambulance will be required to be onsite during rental event. The renter bears all associated costs for providing ambulance services, if required. A copy of the ambulance/paramedic service contract must be submitted to the city within the time period specified in the contract.

Missing/Damaged Equipment Charges

If after the event any equipment or facilities are found to be damage or missing, staff will determine costs for repair and replacement. The deposit will be withheld until such time as repair or replacement costs can be determined and the costs will be deducted from the deposit. Any costs above and beyond the deposit amount will be billed to the renter. Renter agrees to pay for costs above and beyond the deposit amount.

Insurance Requirements for Renter

The City will determine the appropriate insurance and insurance amounts based on information provided in this application.

Insurance Requirements for Renter's Vendors, Entertainers, Sub-Contractors, Service Providers

The Renter shall ensure that its' vendors, entertainers, sub-contractors and service providers will be required to obtain and provide a certificate of liability insurance and endorsements to the City of Rocklin within the time period specified in the contract. Insurance liability limits will be determined by the City of Rocklin using information provided in this application. Insurance requirements will be identified and entered into the rental agreement.

Misrepresentation of Event

Any misrepresentation as to the nature of the rental as described in this application and referred to in the rental contract, or to the number of attendees expected, contact or payment information, or any other

falsification of permits and/or documents will result in the immediate cancellation of the rental and forfeit of all fees paid, and may result in legal action.

Authority to Cancel Event

The City reserves the right to cancel and event if it is determined there is a risk to the public health, safety or welfare or place additional restrictions or requirements on the event, if determined these additional restrictions or requirements will mitigate any concerns.

Renters Property/ Loss/Damage/Defacement

The City of Rocklin shall assume no responsibility for any property placed on or in its facilities or grounds. The City of Rocklin, its officers, agents and employees, are released and discharged from any and all liability for loss, injury or damaged to persons or property that may be sustained by the use or occupancy of the facility and its environs. No decorative or other material will be taped, wired, glued, nailed, tacked, screwed or otherwise physically attached to any part of the Quarry Park Amphitheater rental space, including but not limited to fencing, gates, stages, buildings, windows, vegetation, restrooms, without prior approval from the City. Renters must receive prior approval to hang any banner or signage on City property. Drilling into any fence, cement, wall, and/or brick on/in any part of the park rental space is strictly prohibited. Driving onto rental park space grass or pavers, including but not limited to golf carts is strictly prohibited. No items will be laid or placed on the rental park space turf that might cause damage to it. Any group using the Quarry Park Amphitheater rental space agrees to leave the premises in the same condition it was prior to their usage. Renter agrees to assume all responsibility for any damages done to the premises in the same condition it was prior to their usage. Renter agrees to assume all responsibility for any damages done to the premises or facility as a result of their usage. Renter is responsible for any loss, damage or theft of personal property that is incurred by the Renter, performers, and/or those in attendance.

Laws & Ordinances

Renters shall be responsible for compliance with all federal, state and local laws, ordinances and regulations applicable to such party's activities and obligations in connection with the Event and use of the venue.

Anti-Discrimination

Discrimination by renter, its officers, agents, or employees, based on age, race, color, religion, sexual orientation, gender, disability, or national origin is prohibited.

Business License & Taxes

Any individual or entity selling ticket, souvenirs, or any other merchandise or service before, during or after the event must obtain a City of Rocklin business license in accordance with Chapter 5.04.060 of the Rocklin Municipal Code. Renters will be responsible for collecting all applicable taxes, Including Federal, State and City taxes.

Exhibit B – QUARRY PARK AMPHITHEATER FEES

City of Rocklin Quarry Park Amphitheater

Base Rental Fee	
Maximum 4 hour show from “doors open” until 30 minutes after show ends.	
Maximum Attendees	Fee
1-500	\$2,200
501-1,000	\$2,400
1,001+	\$2,600
Base rental fee includes; <ul style="list-style-type: none"> • Stage Manager • Venue Manager • Operations Manager • Venue set-up/tear-down & traffic control • Cleaning (includes restroom maintenance & supplies, trash removal & personnel) • Parking service administration 	
Hourly Fees for Events over Four (4) Hours	
For events up to 8 hours from “doors open” until 30 minutes after show ends. Shows longer than 8 hours or multi-day events are subject to negotiation.	
Maximum Attendees	Fee
1-500	\$225
501-1,000	\$250
1,001+	\$275
Deposit (Required upon submission of signed contract)	
Maximum Attendees	Fee
1-500	\$1,000
501-1,000	\$1,500
1,001+	\$2,000
Additional Staffing/Services	
These fees may be optional or the City may require based on information submitted in the application.	
Temporary fencing set-up/tear-down (required for all ticketed or restricted access events)	\$400
Chair rental and set-up/tear-down	\$1/chair (up to 700 chairs)
Ticketing & Bag Check Staff <ul style="list-style-type: none"> • 2 points of entry • 3 points of entry • 4 points of entry Each entry must be staffed with 3 personnel from doors open time until 30 minutes after show ends.	\$72/hour \$108/hour \$144/hour
Ushering Staff <ul style="list-style-type: none"> • 1-500 (4 ushers) • 501-1,000 (6 ushers) • 1,001+ (8 ushers) Ushering staff required from doors open time until 30 minutes after show ends.	\$48/hour \$72/hour \$96/hour
Administrative Coordination Fee (Assistance with staffing plan beyond base staffing; ticketing, marketing or other needs.)	\$60/hour
Technical Coordination Fee	\$45/hour

(Assistance with sound or lighting design.)	
House Sound System Rental (minimal system for small events only)	\$100/day
Tent Rental (10' x 10')	\$50/tent per day
Pass Through Fees	
The following fees shall be paid by Renter directly to service provider at cost. These fees may be optional or the City may require based on information submitted in the application.	
Police staffing (Staffing to be determined by Rocklin Police Department and may vary depending on size, length and type of event, if beer/wine service is provided, etc. Deposit for total estimated fees must be submitted X days before event.	Per required staffing/Per hour
Sound & Lighting (Must contract with approved company)	At cost
Private Security	At cost
EMTs	At cost
Electrical Service Fee (For special electrical needs beyond standard set-up)	At cost
Additional Fees	
Non-refundable Application Fee	\$100
Beer/Wine Sales	10% of gross sales
Food Trucks or Food/Non-alcoholic beverage Vendor	\$50 flat fee per truck or vendor

Firehouse Stage (small stage) & Pavilion

Hourly Fee	
1-250 (max. capacity)	\$
Rental fee includes;	
<ul style="list-style-type: none"> • Venue Manager • Venue set-up/tear-down • Cleaning (includes restroom maintenance & supplies, trash removal & personnel) 	
Deposit (Required upon submission of signed contract)	
Maximum Attendees	
1-250	\$
Additional Staffing/Services	
These fees may be optional or the City may require based on information submitted in the application.	
Chair rental and set-up/tear-down	\$1/chair (up to 250 chairs)
Table set-up/tear-down	\$5/table
Technical Coordination Fee (Assistance with sound or lighting design.)	\$45/hour
House Sound System Rental (minimal system for small events only)	\$100/day
Tent Rental (10' x 10')	\$50/tent per day
Pass Through Fees	

The following fees shall be paid by Renter directly to service provider at cost. These fees may be optional or the City may require based on information submitted in the application.	
Sound & Lighting (Must contract with approved company)	At cost
Private Security	At cost
Additional Fees	
Non-refundable Application Fee	\$100
Beer/Wine Sales	10% of gross sales
Food Trucks or Food/Non-alcoholic beverage Vendor	\$50 flat fee per truck or vendor



City Council Report

Subject: Process to Fill a Council Vacancy

Submitted by: Barbara Ivanusich, City Clerk

Date: July 26, 2016

Department: Administration

- **Staff Recommendation:** Move forward with a public process to solicit candidates to fill a Council vacancy similar to the process used to fill vacancies on the City's Boards and Commissions
-

BACKGROUND:

In the event Council decides to fill a Council vacancy by appointment, staff is recommending a public process to fill the Council vacancy similar to the process used to fill vacancies on the City's Boards and Commissions. Within 60 days of the vacancy, Council must take action to fill the vacancy by appointment or call a special election.

To be eligible to serve on the City Council, a person must be 18 years of age, a citizen of the United States, and a registered voter residing within the City limits. The replacement will serve the remainder of the vacant term until December, 2018.

RECOMMENDATIONS:

When the vacancy occurs, staff will move forward with a public process to solicit interested candidates similar to the process used to fill vacancies on the City's Boards and Commissions and Council directs the City Clerk to:

- Post and publish an Official Notice of Vacancy upon the official Council resignation;
- Solicit applications for the Council vacancy upon the official Council resignation;
- Schedule a two-week filing period for accepting applications;
- Schedule a City Council meeting to interview applicants in open session to consider an appointment or call a special election within the 60-day timeline.

Ricky A. Horst, City Manager
Reviewed for Content

DeeAnne Gillick, City Attorney
Reviewed for Legal Sufficiency