



CITY OF EAGLE POINT

"Gateway to the Lakes"

OREGON

STANDARD DETAILS

OCTOBER 2005

17 Buchanan Ave. South - P.O. Box 779 - Eagle Point, OR 97524 - City Hall 826-4212 - Police 826-6155 - Fax 826-6155



CITY OF EAGLE POINT

"Gateway to the Lakes"

OREGON

September 23, 2005

Re: City of Eagle Point - Standard Details

This document contains the updated General Construction Notes and Standard Details being used by the City of Eagle Point. Many of the Standard Details have been revised as noted in the revision block. The General Construction Notes now stipulate the current APWA/ODOT Oregon Standard Specifications apply to all construction. The General Construction Notes must be on all plans. These notes are not intended to replace the Design Engineer's general notes but to address specific concerns of the City. The Engineer should include any additional notes on the plans that they feel are needed, but not to supercede the City's General Construction Notes.

The Standard Details may be referenced on the plans but if referenced, a copy must be on the job site for the contractor's use. An attempt has been made to incorporate all details normally encountered on projects. There are always situations where these details may need modification to fit a specific situation. Any modifications to these details must be approved by the City of Eagle Point prior to their use. Additional nonstandard details must be approved and incorporated onto the plans.

These notes and details are constantly being revised. All users are encouraged to check with the City of Eagle Point to ensure that they are using the latest information. These documents are also available on CDROM.

Current cost is \$30.00 for the printed document, or \$30.00 for the CDROM. Both the printed document and the CDROM can be purchased together for \$45.00.

If you have any questions, please contact the City of Eagle Point.

Sincerely,

CITY OF EAGLE POINT
John Hardey, P.E., P.L.S.
City Engineer

ORDINANCE NO. 2005-24

AN ORDINANCE PROVIDING STANDARDS FOR STREET, ROAD, UTILITY TRENCH AND RELATED PUBLIC WORKS CONSTRUCTION WITHIN THE CITY LIMITS OF EAGLE POINT, OREGON AND REPEALING ORDINANCE NO. 2-39.

WHEREAS, there is ongoing development and maintenance of certain infrastructure within the city limits of City of Eagle Point, Oregon, and

WHEREAS, said development and maintenance often involves construction and improvements of said infrastructure, and

WHEREAS, it is necessary to insure the ongoing optimum quality of said infrastructure within the community, now, therefore,

THE CITY OF EAGLE POINT ORDAINS AS FOLLOWS:

SECTION 1. - For the purpose of establishing criteria for public works construction and improvements, the City of Eagle Point hereby adopts the "Eagle Point Standard Details" and "Standard Specifications for Public Works Construction" prepared by the Oregon Chapter of the American Public Works Association, being particularly the latest edition thereof, and the whole thereof, copies of which shall be maintained at all times in the office of the Public Works Director, and shall be part of the records of said City and from the date of ordinance adoption shall be controlling in all public works construction and improvements under City jurisdiction within the corporate city limits.

SECTION 2. - All permits required by the aforementioned the "Eagle Point Standard Details" and "Standard Specifications for Public Works Construction" shall be issued by the Public Works Department. The Public Works Director shall control the enforcement of all issues related to compliance with same, and shall maintain comprehensive records of all applications, permits, inspections and other official documentation as may be related to individual construction projects.

The City Engineer shall make all inspections required under the provisions of said specifications, and shall maintain comprehensive records as may be related to same.

The City Engineer and Public Works Director shall also retain on file copies of all plans and other related documents relating to public works construction so long as any part of said construction shall remain in existence. All such records shall be open to public inspection for good and sufficient reason in the Public Works Department of the City of Eagle Point, but shall not be removed from said office without the written consent of the City Administrator.

SECTION 3. - No permit as required by the "Eagle Point Standard Details" and "Standard Specifications for Public Works Construction" shall be issued by the Public Works Department until such time as the applicable fees have been paid. Nor shall any amendment/revision to a permit be approved until such time as any additional fees, as may be required, have been paid.

SECTION 4. - All plans for construction of public works facilities shall be prepared by a professional engineer licensed in the State of Oregon.

SECTION 5. - All plans for the construction of public works facilities shall be approved by the City Administrator, City Engineer and Public Works Director prior to construction.

SECTION 6. - Each construction phase shall be inspected and approved by the City Engineer before proceeding with any subsequent phases. The contractor for any public works project shall not cover any work requiring inspection until the same has been inspected and approved. If work should be covered prior to inspection, the contractor shall be required to remove such portions of the work as may be necessary to disclose the uninspected portion.

The contractor shall notify the City Engineer at least 48 hours in advance of the need for a required inspection.

Required inspection of public works construction under City jurisdiction shall be as follows:

**ADMINISTRATIVE POLICIES & PROCEDURES
FOR INSPECTION OF STREET, STORM DRAINAGE, WATER LINE CONSTRUCTION
&
STREET LIGHT AND OTHER UNDERGROUND UTILITIES**

Developers shall submit six (6) sets of engineered plans to the City, which shall be distributed in the following manner:

<u># of sets</u>	<u>To:</u>	<u>Phone #</u>
1	Rogue Valley Sewer Service	664-6300
2	Hardey Engineering	772-6880
1	Jackson County Fire Dist. #3	826-7100
2	Public Works Department	826-4212

Engineered plans shall reflect:

1. Sanitary sewer
2. Storm drainage and verification of flood plain status
3. Applicable grading
4. Water line(s) with hydrant locations
5. Street improvements (including curb, gutter and sidewalks where required)
6. Proposed right-of-way work requiring City or Jackson County encroachment permit(s)
7. Street lights (approved by utility company)
8. Underground utilities; including power, phone, cable TV, gas (approved by utility companies)
9. Easements (required for access to site and utilities)
10. Other applicable improvements
11. Note that all construction will comply with applicable standards
12. Date of construction and completion.
13. Irrigation waterlines, canals or ditches.

Three (3) days prior to commencement of construction, developer shall notify the City Planning Department.

REQUIRED INSPECTIONS:

Sanitary Sewer – Rogue Valley Sewer Service

664-6300

Storm Drainage -

772-6880

- a. Grade stakes
- b. Trench excavation
- c. 4" min. bedding material (prior to cover)
- d. Pipe placement to approved alignment
- e. 6" min. pipe cover
- f. Backfill compaction
- g. Catch basin and manhole construction/installation

NOTE: Items a. - c. done together.

Water Lines -

772-6880

- a. Alignment stakes
- b. Trench excavation
- c. 4" min. bedding material (prior to cover)
- d. Pipe placement to approved alignment
- e. 6" min. pipe cover
- f. Backfill compaction
- g. Valve placements and hydrant stub outs
- h. Service line construction
- i. Applicable pressure testing
- j. Tracer wire
- k. Blow offs (where applicable)
- l. Bacteria tests passed prior to system acceptance
- m. All mains pigged

NOTE: Items a. - c. done together.

Irrigation Systems -

772-6880

- a. Grade
- b. Inlet
- c. Manholes
- d. Cover material
- e. Backfill
- f. Compaction

Streets -

772-6880

- a. Survey stakes ensuring consistency with plans
- b. Correct subgrade elevation and compaction
- c. Base rock & sub-base placement/compaction
- d. Witness compaction test
- e. A/C paving placement
- f. Membrane in special locations
- g. Completed street/road

Curb & Gutter -

- a. Survey stakes ensuring consistency with plans
- b. Construction and protection from elements

Sidewalks & Driveway Approaches -

826-4212

- a. Grade
- b. Appropriate base material
- c. Rebar in approach
- c. Backfill

Underground Utilities -

(1-800-332-2344 for "locates")

- a. Staking to ensure proper location, depth and conduits where required
- b. Installation
- c. Compacted trench backfill

INSPECTIONS

Developer shall call the City Engineer for required inspections at least 24 hours in advance, and **will inform the Planning Department that the inspection has been requested.** (The department will maintain a record of inspection requests to verify monthly invoicing.)

Should developer fail to call for required inspections, the inspector has the authority to stop all construction until the appropriate standards have been met.

BILLING PROCEDURES

1. The City Engineer will submit a monthly bill to the City for all inspections. The bill will include job identification, date of inspection(s), mileage, time, service provided, hourly rate and total charge. Bills shall be for specified inspections requested by the City.***

2. Billings for engineering items other than inspections (plan review, administration, etc.) shall be billed by job identification, time, service provided, hourly rate and total charge.

*** In the event that a developer has failed to request a required inspection, or to meet required specifications, the City Engineer shall notify the City, prior to conducting an unscheduled inspection. This situation will also be detailed on the invoice sent to the City by the Engineer.

The developer will be responsible for all engineering costs/inspections exceeding development fees paid at the time of initial planning application in accordance with the Section 3., Eagle Point Subdivision Ordinance. Developer shall also be responsible for providing all "as built" and maintenance bonding as may be required prior to City sign-off on the final plat.

The City Engineer will notify the City, in writing, that all conditions have been met and the final plat may be approved.

The City Engineer shall issue a Certificate of Completion within 30 days of developer providing all relevant documents, easements and "as built". Copies of said certificate shall be provided to the developer and the City.

A copy of this Administrative Policy will be provided to each land use applicant when any related infrastructure construction is anticipated.

SECTION 7. - Prior to City acceptance of any public works construction, the City Engineer shall certify that said construction was performed in accordance with all approved plans and applicable standards in force at the time of construction.

SECTION 8. - The City Engineer shall, from time to time, inspect or cause to be inspected all excavations and tunnels being made in or under any public right of way in the City to ensure that the provisions of this Ordinance are being followed. The permittee shall give the City appropriate notice, as required in Section 6. above, prior to refilling any such excavations or tunnels.

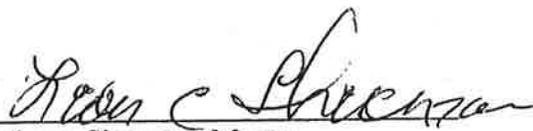
SECTION 9. - Invalidity of a section or part thereof of this ordinance shall not affect the validity of the remaining sections or parts thereof.

SECTION 10.- Ordinance No. 2001-11 is hereby repealed in its entirety.

SECTION 11. - Any other ordinances, or parts thereof, in force at the time of the adoption of this ordinance, but inconsistent herewith, are hereby repealed.

SECTION 12. - Any person found guilty of violating the provisions of this ordinance shall be subject to any/all applicable penalties as specified in Ordinance No. 2000-7.

PASSED by the Council and signed by me in open session in authentication of its passage this 11th day of October, 2005


Leon Sherman, Mayor

ATTEST:


Carole Blackwell, City Recorder

APPROVED by me this 11th day of October 2005.

City of Eagle Point Standard Details Updates

REVISED DRAWINGS

<u>DWG. NO</u>	<u>DRAWING TITTLE</u>	<u>REVISION</u>	
EP-200L	Street Design Standards	Added min. radius	Meet Fire Codes
EP-200M	Street Design Standards	Added min. radius	Meet Fire Codes
EP-200N	Street Design Standards	Added radii reqmts.	Meet Fire Codes
EP-200O	Street Design Standards	Rev. Cul-de-sac Stds and Min. Curb Radius	Meet Fire Codes
EP-200P	Pavement Structural Sections	Woven Geotextile & HMAC	Conform to APWA/ODOT Specifications
EP-201	Urban Street Section	Compaction Req.	Conform to APWA/ODOT Specifications
EP-201A	Street Sec. Meandering Sidewalk	Sidewalk Width	Update to City min 6 ft sidewalks
EP-203	Curb,Gutter,Curb and Weep hole	Updated Notes	Conform to APWA/ODOT Specifications
EP-204	Curb Backfill Detail	Compaction Req.	Conform to APWA/ODOT Specifications
EP-205	Sidewalk Details	Updated notes	Conform to APWA/ODOT Specifications
EP-206	Sidewalk Access ramps	Added Truncated Dome and Added 4"base	Conform to APWA/ODOT Specifications
EP-206A	Sidewalk Access Ramps	Added Truncated Dome and Added 4"base	Conform to APWA/ODOT Specifications
EP-208	Driveway apron adjacent to curb	Updated Notes	Conform to APWA/ODOT Specifications
EP-208A	Driveway apron, setback to curb	Notes	Conform to APWA/ODOT Specifications
EP-214	Street Cut	HMAC	Conform to APWA/ODOT Specifications
EP-217	Gov. Monument, New Pavement	Notes	Conform to APWA/ODOT Specifications
EP-218	Street Barricade	Added Markers note	Gives contractor another option
EP-300	Trench Details	Compaction Req.	Conform to APWA/ODOT Specifications
EP-301	Trench in Moratorium Street	Compaction Req.	Conform to APWA/ODOT Specifications
EP-303	Concrete Curb Inlet	Added 18" Sump and Added Anchor Bolt	Conform to APWA/ODOT Specifications
EP-305A	Type-3 Catch Basin	Added 18" Sump	Conform to APWA/ODOT Specifications
EP-306B	Ditch Inlet	Added 18" Sump	Conform to APWA/ODOT Specifications
EP-309	Manhole Adjustment	Add Rebar	Conform to APWA/ODOT Specifications
EP-313	Flat-Top Manhole	Added Slab Thickness	Clarification of dimensions
EP-314	Manhole Base Section	Added Rebar Reinforcement	Conform to APWA/ODOT Specifications
EP-318	Large Concrete Manhole Base	Compaction Req.	Conform to APWA/ODOT Specifications
EP-408	3/4" to 2" Water Meter Setting Det.	Updated MTR box SPECS.	Conform to APWA/ODOT Specifications
EP-411	Meter With Remote Reader, Vault	MIN Clearance	City request
EP-420	Bollard Detail	Bollard 2 or more	Meet Fire Codes
EP-426	Double Check Valve Ass (large)	Added Double Box	City request
EP-500	Street Light Detail	Removed Grout Req.	PPL request
EP-501	Street Light Detail	Removed Grout Req.	PPL request

DELETED DRAWINGS

<u>DWG NO.</u>	<u>DRAWING TITTLE</u>	<u>REVISION</u>	
EP-215	Deleted	Asphalt Table	ODOT/APWA Specifications reference approved products
EP-407B	Deleted	2" Air Valve	Details combined with Standard Drawing 408
EP-413	Deleted	Root Barrier	Not a recommended practice.

NEW

DRAWING TITLE

P-208B	Driveway/Sidewalk Alternative	Alternative ADA design
EP-218A	End of Road Markers	Alternative end of road warning
P-218B	Sign Installation Details	Alternative Post Types and layout
P-218C	Square Tube Sign Entrance	Alternative Post Type
EP-219	Construction Entrance	

ADDED GENERAL NOTES

34. Provides Pipe specifications for different pipe materials that conform to ODOT/APWA Specifications.
35. Pipe deflection installation specifications.
36. Backflow devices required on all private to public storm drain connections. Notifies that Jackson County plumbing permit is required.
37. Specifies all sidewalks, ramps, crosswalk etc. conform to the current American Disability Requirements (ADA).
38. Makes contractor/developer responsible to build sidewalk ramps (wheelchair ramps). The purpose is to assure construction to the tolerances required by American Disability Requirements (ADA).
39. Requires water meters to be installed on the same lot they service.

MODIFIED GENERAL NOTES

1. Update the name of the Rogue Valley Sanitary Service.
2. Provided more information on street pavement cut moratoriums and fees.
15. Update Asphalt Concrete Pavement to ODOT/APWA terminology from Class C to HMAC Level 3 1/2-inch dense grade.
17. Specifies the type of water pipe.
5. Changes 5 acres to 1 acre for a 1200 C permit to be required to meet current DEQ requirements.
5. Stronger language requiring contractor to avoid tracking out mud on to streets.
27. Updated to require written permission to operate city owned water valves.

CITY OF EAGLE POINT GENERAL CONSTRUCTION NOTES

1. ALL CONSTRUCTION SHALL CONFORM TO THE CURRENT ODOT/APWA OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION, AS AMENDED BY THE CITY OF EAGLE POINT.
2. THE CONTRACTOR MUST ARRANGE A PRECONSTRUCTION MEETING AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION BETWEEN THE CONTRACTOR, THE ENGINEER, THE CITY OF EAGLE POINT, AND OTHER AFFECTED UTILITIES AND AGENCIES.
3. SANITARY SEWER CONSTRUCTION INSPECTIONS AND PERMITS SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE ROGUE VALLEY SEWER SERVICES (RVSS) AND SHALL BE COORDINATED WITH SAME.
4. CONTRACTOR SHALL COORDINATE WITH THE CITY OF EAGLE POINT BUILDING AND SAFETY DEPARTMENT FOR ALL PRIVATE ON-SITE CONSTRUCTION PERMITS AND INSPECTIONS REQUIRED BY THE BUILDING AND SAFETY DEPARTMENT.
5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE FOR INSPECTIONS PRIOR TO BACKFILLING OPERATIONS.
6. ALL CONCRETE SHALL HAVE A STRENGTH OF 3300 PSI AT 28 DAYS UNLESS OTHERWISE SPECIFIED.
7. ALL UTILITIES SHALL HAVE A MINIMUM COVER OF 2.5 FEET UNLESS OTHERWISE SPECIFIED.
8. ALL STORM DRAIN SERVICES SHALL BE MARKED WITH A 2"X4" MARKER EXTENDING FROM THE END OF THE SERVICE TO A POINT TWO (2) FEET ABOVE THE GROUND WITH THE SIZE, TYPE AND DEPTH OF THE SERVICE INDICATED ON THE FACE OF THE MARKER.
9. ALL SERVICES SHALL BE PLUGGED TO ADEQUATELY ENSURE THAT NO FOREIGN MATERIALS ENTER THE LINE.
10. CONTRACTOR SHALL OBTAIN ALL APPLICABLE PERMITS PRIOR TO CONSTRUCTION.
11. ALL TRENCHING IN EXISTING PUBLIC STREETS SHALL BE BACKFILLED WITH ONE (1) SACK CEMENT SAND SLURRY AS APPROVED BY THE CITY.
12. ALL PAVEMENT CUTS IN PUBLIC STREETS OR CITY OWNED PROPERTY SHALL REQUIRE A PERMIT APPROVED BY THE PUBLIC WORKS DEPARTMENT AND 48 HOUR NOTICE. THERE IS A MORATORIUM ON THE CUTTING OF PAVEMENT THAT IS NEWLY SURFACED AND RESURFACED (WITHIN THE LAST 3-5 YEARS). CUTTING OF PAVEMENT UNDER THIS MORATORIUM, IF APPROVED BY THE PUBLIC WORKS DEPARTMENT, WILL INCUR A FEE (\$1000 OR \$2000 DEPENDING ON THE STREET CATEGORY) PER ORDINANCE # 11-78.
13. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SET ALL EXISTING AND NEW MANHOLE COVERS, VALVE CANS, ETC. TO FINISH GRADE AFTER PAVING OF STREET IN ACCORDANCE WITH THE CITY OF EAGLE POINT STANDARD DETAIL NOS. EP-309, EP-324 AND EP-403.
14. GRADING OUTSIDE OF THE RIGHT OF WAY SHALL CONFORM TO THE UNIFORM BUILDING CODE CHAPTER 33. COMPACTION TESTING SHALL CONFORM TO THE UNIFORM BUILDING CODE, AND THE CITY OF EAGLE POINT STANDARDS.
15. ALL A.C. PAVING WEARING COARSE SHALL BE LEVEL 3 1/2 INCH HMAC, PER CURRENT ODOT/APWA SPECIFICATIONS.
16. WATER SERVICE CONNECTIONS ARE TO BE INSTALLED FOR EACH LOT PER CITY OF EAGLE POINT STANDARDS (STANDARD DETAIL NO. EP-408).

17. ALL WATER LINE CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE CURRENT REQUIREMENTS OF THE CITY OF EAGLE POINT STANDARD SPECIFICATIONS. ALL WATER PIPE TO BE CLASS 52 DUCTILE IRON OR CLASS 150 PVC - C900.
18. THE CITY OF EAGLE POINT REQUIRES "POLY PIGS" TO BE USED ON ALL NEW MAIN WATER LINES.
19. COVER OVER EXISTING UTILITIES SHALL NOT BE CHANGED WITHOUT WRITTEN AUTHORIZATION OF THE CITY OF EAGLE POINT.
20. NEW WATER LINES ARE TO BE PRESSURE TESTED, DISINFECTED AND PROVEN TO BE BACTERIOLOGICALLY SAFE PRIOR TO PLACING IN SERVICE BY THE CITY OF EAGLE POINT. A 48 HOUR NOTICE IS REQUIRED, AND A CITY INSPECTOR SHALL BE PRESENT FOR ALL TESTS.
21. INITIAL BACKFILL TO TOP OF WATER LINES AND FIRE HYDRANT LATERALS SHALL BE COMPACTED IN ACCORDANCE WITH CITY OF EAGLE POINT STANDARD SPECIFICATIONS FOR TRENCH EXCAVATION AND BACKFILL, OR BACKFILL MATERIAL AND COMPACTION SHALL MEET THE REQUIREMENTS OF THE CONTROLLING AGENCY.
22. THE CONTRACTOR SHALL BE PREQUALIFIED WITH THE CITY OF EAGLE POINT. WORK PERFORMED BY OTHER THAN APPROVED CONTRACTORS WILL NOT BE ACCEPTED.
23. THE LOCATION AND ELEVATION OF ALL EXISTING UTILITIES SHOWN ARE FROM RECORD ONLY. THE CONTRACTOR SHALL VERIFY ALL UTILITIES IN POTENTIAL CONFLICT AREAS PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER IMMEDIATELY IF ANY CONFLICTS OCCUR.
24. CONTRACTORS SHALL BE REQUIRED TO INSTALL ALL EROSION CONTROL MEASURES PRIOR TO BEGINNING CONSTRUCTION AND MAINTAIN SAME DURING CONSTRUCTION.
25. PROJECTS OVER ONE (1) ACRE REQUIRE A 1200-C PERMIT FROM D.E.Q. A COPY OF SAID PERMIT SHALL BE PROVIDED TO THE CITY PRIOR TO CONSTRUCTION. ALL PROJECTS ARE REQUIRED TO HAVE EROSION CONTROL MEASURES IN PLACE, REGARDLESS OF THE SIZE. SAID MEASURES SHALL BE PER D.E.Q. STANDARDS, AND SHALL BE REVIEWED AND APPROVED BY THE CITY PRIOR TO CONSTRUCTION.
26. WHEN TRUCKING SATURATED SOILS FROM THE SITE, EITHER TIGHT TRUCKS MUST BE USED OR LOADS SHALL BE REQUIRED TO DRAIN UNTIL DRIPPING HAS BEEN REDUCED TO LESS THAN ONE (1) GALLON PER HOUR BEFORE LEAVING THE SITE. CONSTRUCTION ENTRANCES FOR EGRESS AND INGRESS TO THE WORK AREA ARE REQUIRED AT ALL CONSTRUCTION ENTRANCES. TRACK-OUT ON CITY STREETS WILL NOT BE TOLERATED. (STANDARD DETAIL NUMBER EP-219)
27. DEPOSIT OF MUD, DIRT, SEDIMENT OR SIMILAR MATERIAL EXCEEDING ½ CUBIC FOOT IN VOLUME IN ANY AREA OF 100 SQUARE FEET OR MORE SHALL BE FILTERED OR CAPTURED BEFORE LEAVING THE SITE OR ENTERING INTO THE STORM DRAIN OR SURFACE WATER SYSTEM.
28. UPON COMPLETION OF THE PROJECT, THE CONTRACTOR WILL NOTIFY THE CITY OF EAGLE POINT 48 HOURS IN ADVANCE OF DESIRED FINAL INSPECTION.
29. CONTRACTOR SHALL NOTIFY OREGON UTILITY NOTIFICATION CENTER AT (1-800-332-2344), THE CITY OF EAGLE POINT PUBLIC WORKS DEPARTMENT AT (541) 826-4212, AND THE CITY ENGINEER AT (541) 772-6880, 48 HOURS PRIOR TO BEGINNING WORK.
30. OPERATION OF CITY OWNED AND MAINTAINED WATER VALVES IS STRICTLY PROHIBITED WITHOUT THE PRIOR WRITTEN PERMISSION OF THE CITY OF EAGLE POINT PUBLIC WORKS DEPARTMENT.
31. PROJECTS AND/OR WORK REQUIRING ROAD CLOSURES AND/OR DETOURS WILL BE REQUIRED TO HAVE A WRITTEN PLAN FOR SAME. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE CITY OF EAGLE POINT PUBLIC WORKS DEPARTMENT PRIOR TO IMPLEMENTING ANY ROAD CLOSURES AND/OR DETOURS.
32. ALL UTILITIES SHALL HAVE AT LEAST 6 INCHES OF VERTICAL CLEARANCE BETWEEN OTHER UTILITIES, UNLESS APPROVED OTHERWISE.

33. ALL PROPERTY LINES FOR PARCELS ADJOINING THE PROJECT SITE AND NOT UNDER THE DIRECT CONTROL OR OWNERSHIP OF THE PROJECT OWNER, SHALL BE CLEARLY ESTABLISHED AND MARKED PRIOR TO CONSTRUCTION.

34. REINFORCED CONCRETE STORM DRAIN PIPE SHALL CONFORM TO AASHTO M170 (ASTM C76M) AND 2002 OREGON STANDARD SPECIFICATIONS. JOINTS SHALL BE IN ACCORDANCE WITH ASTM-C443 "STANDARD SPECIFICATIONS FOR JOINTS FOR CIRCULAR CONCRETE SEWER AND CULVERT PIPE USING RUBBER GASKETS." ALL RCP SHALL BE CLASS AND SIZE AS SHOWN ON PLANS. ALL HDPE STORM DRAIN PIPE SHALL CONFORM TO AASHTO M294 AND MEET WATERTIGHT SPECIFICATIONS OF ASTM D3212, PER 2002 OREGON STANDARD SPECIFICATIONS. ALL PVC STORM DRAIN PIPE SHALL MEET THE REQUIREMENTS OF ASTM D2729. ALL CORRUGATED STEEL PIPE SHALL BE ALUMINIZED AND CONFORM TO THE REQUIREMENTS OF AASHTO M274.

35. ALL WATER MAIN AND STORM DRAIN MAIN PIPE DEFLECTIONS MUST MEET THE PIPE MANUFACTURER'S RECOMMENDATIONS FOR MAXIMUM ALLOWABLE DEFLECTION.

36. ALL PRIVATE STORM DRAIN SERVICE LINES THAT ARE TIGHTLINED INTO THE PUBLIC STORM DRAIN MAIN REQUIRE A BACKFLOW PREVENTION DEVICE CONFORMING TO CURRENT UNIFORM PLUMBING CODE STANDARDS. CONTRACTOR MUST OBTAIN A PLUMBING PERMIT FROM JACKSON COUNTY PLUMBING.

37. ALL SIDEWALKS, RAMPS, CROSSWALKS, ETC. SHALL CONFORM TO THE CURRENT FEDERAL AMERICAN DISABILITIES ACT AND 2005 CITY OF EAGLE POINT STANDARDS.

38. CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTING SIDEWALK ACCESS RAMPS PER STD. DWG. NO. SEP-206 AND EP-206A AS PART OF THE STREET IMPROVEMENTS.

39. WATER METERS SHALL BE LOCATED ON THE SAME LOT THAT IS BEING SERVICED.

INDEX REFERENCE SHEET 1

STREET DETAILS:

<u>FILE NAME</u>	<u>DRAWING TITLE</u>
EP-200A.DWG	CLASS "A" & "B" ARTERIAL STREET SECTIONS
EP-200B.DWG	CLASS "C" ARTERIAL STREET SECTION
EP-200C.DWG	CLASS "A" & "B" COLLECTOR STREET SECTIONS
EP-200D.DWG	CLASS "C" COLLECTOR STREET SECTION
EP-200E.DWG	COMMERCIAL & INDUSTRIAL COLLECTOR STREET SECTIONS
EP-200F.DWG	CLASS "A" & "B" LOCAL COLLECTOR STREET SECTIONS
EP-200G.DWG	CLASS "C" LOCAL COLLECTOR STREET SECTION
EP-200H.DWG	COMMERCIAL & INDUSTRIAL LOCAL COLLECTOR STREET SECTIONS
EP-200I.DWG	CLASS "A" & "B" LOCAL STREET SECTIONS
EP-200J.DWG	CLASS "C" & "D" LOCAL STREET SECTIONS
EP-200K.DWG	COMMERCIAL & INDUSTRIAL LOCAL STREET SECTIONS
EP-200L.DWG	STREET DESIGN STANDARDS
EP-200M.DWG	STREET DESIGN STANDARDS
EP-200N.DWG	STREET DESIGN STANDARDS
EP-200O.DWG	STREET DESIGN STANDARDS
EP-200P.DWG	PAVEMENT STRUCTURAL SECTIONS
EP-201.DWG	URBAN STREET SECTION
EP-201A.DWG	STREET SECTION WITH MEANDERING SIDEWALK OPTION
EP-203.DWG	CURB AND GUTTER, CURB, AND WEEP HOLE
EP-204.DWG	CURB BACKFILL DETAIL
EP-205.DWG	SIDEWALK DETAILS
EP-205A.DWG	SIDEWALK DETAILS: OBSTRUCTIONS & PROTRUDING OBJECTS
EP-206.DWG	SIDEWALK ACCESS RAMPS
EP-206A.DWG	SIDEWALK ACCESS RAMPS
EP-207.DWG	MAIL BOX SUPPORTS
EP-208.DWG	DRIVEWAY APRON ADJACENT TO CURB
EP-208A.DWG	DRIVEWAY APRON FOR SETBACK SIDEWALK
EP-208B.DWG	DRIVEWAY/SIDEWALK ALTERNATIVE
EP-209.DWG	BIKE PATH
EP-210.DWG	INTERSECTION VALLEY GUTTER AND STANDARD VALLEY GUTTER
EP-211.DWG	CONCRETE PAVEMENT JOINTS
EP-212.DWG	CURB KNOCKOUT FOR DRIVEWAYS
EP-213.DWG	CONTRACTION JOINT DETAIL FOR CONCRETE PAVING
EP-214.DWG	STREET CUT
EP-215.DWG	DELETED
EP-216.DWG	IRON PIN CENTERLINE MONUMENT
EP-217.DWG	GOVERNMENT MONUMENT CASE DETAIL NEW PAVEMENT
EP-218.DWG	STREET BARRICADE
EP-218A.DWG	END OF ROAD MARKERS
EP-218B.DWG	SIGN INSTALLATION DETAILS
EP-218C.DWG	SQUARE TUBE SIGN SUPPORT
EP-219.DWG	CONSTRUCTION ENTRANCE

INDEX REFERENCE SHEET 2

STORM SYSTEM DETAILS: (CONTINUED)

<u>FILE NAME</u>	<u>DRAWING TITLE</u>
EP-300.DWG	TRENCH DETAILS
EP-301.DWG	TRENCH IN MORATORIUM STREET
EP-302.DWG	CONCRETE CRADLE AND CAP DETAILS
EP-303.DWG	CONCRETE CURB INLET
EP-304.DWG	INLET GALLERY
EP-305.DWG	CATCH BASIN
EP-305A.DWG	TYPE-3 CATCH BASIN
EP-305B.DWG	FRAMES AND GRATES G-1, G-2, TYPE 3
EP-305C.DWG	TYPE G-1, G-2 CATCH BASIN WITH SUMP
EP-306.DWG	AREA DRAINAGE BASIN OR FIELD INLET
EP-306A.DWG	AREA CATCH BASIN
EP-306B.DWG	DITCH INLET
EP-307.DWG	BORE CASING DETAIL
EP-308.DWG	PIPE ANCHOR BLOCK DETAIL
EP-309.DWG	MANHOLE ADJUSTMENT DETAILS
EP-310.DWG	MANHOLE COVER AND FRAME DETAILS
EP-311.DWG	CAM-LOCK MANHOLE COVER AND FRAME DETAILS
EP-312.DWG	MANHOLE
EP-313.DWG	FLAT-TOP MANHOLE
EP-314.DWG	MANHOLE BASE SECTION
EP-315.DWG	CARRY THROUGH MANHOLE (STORM)
EP-316.DWG	DETAIL FOR INSIDE DROP CONNECTION FOR MANHOLES
EP-317.DWG	DETAIL FOR OUTSIDE DROP CONNECTION FOR MANHOLES
EP-318.DWG	LARGE CONCRETE MANHOLE BASE
EP-319.DWG	LARGE CAST-IN-PLACE CONCRETE MANHOLE BASE
EP-320.DWG	STANDARD RIBBON DRAIN DETAIL
EP-321.DWG	SUBSURFACE DRAIN DETAIL
EP-322.DWG	SHALLOW TRENCH SERVICE CONNECTION, BLOCKING AND MARKERS
EP-323.DWG	TYPICAL DEEP TRENCH SERVICE CONNECTION
EP-324.DWG	CLEANOUT
EP-325.DWG	MARKER POST
EP-326.DWG	POLLUTION CONTROL MANHOLE WITH ELBOW
EP-327.DWG	POLLUTION CONTROL MANHOLE WITH OUTSIDE DROP
EP-328.DWG	RIBBON DRAIN

SANITARY SEWER DETAILS:

PLEASE SEE ROGUE VALLEY SEWER SERVICES (R.V.S.) FOR ALL DETAILS, SPECIFICATIONS, PERMITS, INSPECTIONS, AND APPROVALS, RELATING TO SANITARY SEWER CONSTRUCTION.

INDEX REFERENCE SHEET 3

WATER DETAILS:

<u>FILE NAME</u>	<u>DRAWING TITLE</u>
EP-401.DWG	THRUST BLOCK
EP-402.DWG	HYDRANT INSTALLATION
EP-403.DWG	VALVE BOX AND OPERATOR EXTENSION ASSEMBLY
EP-406.DWG	MANUAL AIR-RELEASE ASSEMBLY
EP-407.DWG	AIR-RELEASE AND VALVE ASSEMBLY FOR NEW SUBDIVISION
EP-407A.DWG	1" & 2" AIR VALVE
EP-407B.DWG	DELETED
EP-408.DWG	3/4" TO 2" WATER METER SETTING DETAIL
EP-409.DWG	COMPOUND METER SETTINGS WITH IRRIGATION
EP-410.DWG	FM-CT COMPOUND METER SETTINGS WITH IRRIGATION
EP-411.DWG	METER WITH REMOTE READER AND VAULT
EP-412.DWG	WATER SAMPLING STATION
EP-413.DWG	DELETED
EP-414.DWG	PRESSURE TEST, DISINFECTION, DECHLORINATION, & SAMPLING TREE WITH END DRAIN
EP-415.DWG	FULL SIZE FLUSH POINT
EP-416.DWG	MAIN BLOWOFF ASSEMBLY
EP-417.DWG	TYPICAL MAIN DEAD-END BLOWOFF ASSEMBLY
EP-418.DWG	6" BLOWOFF ASSEMBLY
EP-419.DWG	CUT - IN SLEEVE
EP-420.DWG	BOLLARD DETAIL
EP-421.DWG	SUPPORT PIER DETAIL
EP-422.DWG	PRECAST NON-TRAFFIC VAULT AND LID
EP-423.DWG	REDUCED PRESSURE BACKFLOW ASSEMBLY (LARGE)
EP-424.DWG	REDUCED PRESSURE BACKFLOW ASSEMBLY (SMALL)
EP-425.DWG	DOUBLE CHECK VALVE ASSEMBLY (LARGE)
EP-426.DWG	DOUBLE CHECK VALVE ASSEMBLY (SMALL)
EP-427.DWG	DOUBLE DETECTOR CHECK VALVE ASSEMBLY (LARGE)
EP-428.DWG	PRESSURE VACUUM BREAKER
EP-429.DWG	ATMOSPHERIC VACUUM BREAKER
EP-430.DWG	AIR GAP SEPARATION

LIGHT DETAILS:

<u>FILE NAME</u>	<u>DRAWING TITLE</u>
EP-500.DWG	STREET LIGHT DETAIL
EP-501.DWG	STREET LIGHT DETAIL
EP-502.DWG	STREET LIGHT ANCHOR BOLT DETAIL
EP-503.DWG	STREET LIGHT ANCHOR BOLT DETAIL