

CITY of DALLAS

Dallas Specifications and Oregon Supplemental Specifications

Department of Engineering and
Environmental Services



April 2016





CITY OF DALLAS OREGON STANDARD SPECIFICATIONS

The 2015 Oregon Standard Specifications for Construction (Oregon Specifications) as modified by the City of Dallas Oregon Supplemental Specifications, the City of Dallas Oregon Standard Drawings and Standard Drawing Amendments, in effect as of **April 11th, 2016**, have been adopted as the Standard Specifications and Standard Drawings for the City of Dallas Oregon in accordance with City Code. The City of Dallas Oregon Supplemental Specifications are hereby made a part of the Standard Specifications and Standard Drawings of the City of Dallas as fully and completely as if it were set forth therein. The Standard Specifications, Standard Drawings and all Amendments may be examined at the Engineering office located at 187 SE Court St. Dallas, OR 97338 and online.

CITY OF DALLAS OREGON SUPPLEMENTAL SPECIFICATIONS

This section, subsection and drawing numbers of the Supplemental Specifications correlate to the section and subsection numbers of the 2015 Oregon Standard Specifications and Standard Drawings.

00100 Chapter Heading

(REPLACE) The Chapter heading “Part 00100 – GENERAL CONDITIONS” is replaced with “Part 00100 – GENERAL CONDITIONS FOR CONSTRUCTION FOR THE CITY OF DALLAS OREGON”

0110.00 Organization of Specifications –

(ADD) Add the following bullet between the first and second bullet:

- Supplemental Specifications, if any; and

00110.10 Abbreviations

(ADD) LIDA - Low Impact Development Approach

00110.20 Definitions

(REPLACE) The definitions of **Agency** with the following:

Agency - The City of Dallas, Oregon.

(ADD) **City** – The City of Dallas, Oregon.



(ADD) **City Engineer** – The City Engineer is the Person designated by the City Manager pursuant to Dallas Code.

(ADD) **Contract Day** – Days count for purposes of charging Contract Time.

(REPLACE) The definition of Contract Documents with the following:

Contract Documents – Solicitation Documents, Specifications, Standard Drawings, Plans, Public Improvement Contract, Contract booklet, Change Orders, Force Account Work orders, pay documents issued by the City, Materials certifications, Project Work Schedules, final estimate, written orders and authorizations issued by the City, Material source development and reclamation plans, and permits, orders and authorizations obtained by the Contractor or City applicable to the Project, as well as all the documents incorporated by reference therein.

(ADD) **Low Impact Development Approach (LIDA)** – A stormwater management approach that mimics pre-development hydrology through design techniques that infiltrate, filter, store, evaporate, or detain runoff close to its source.

00120.40(f) Disclosure of First Tier Subcontractors

(REPLACE) The subsection, except for the subsection number and title, with the following:

Without regard to the amount of a Bidder’s Bid, if the City’s cost range for a public improvement Project in the “Notice to Contractors”, or in other advertisement or solicitation documents, exceeds \$100,000, the Bidder shall, within 2 working hours of the time the Bids are due to be submitted, submit to the City, on a form provided by the City, a disclosure identifying any first-tier Subcontractors that will furnish labor or labor and Materials, and whose contract value is equal to or greater than:

- 5% of the total Project Bid, but at least \$15,000; or
- \$350,000, regardless of the percentage of the total Project Bid.

For each Subcontractor listed, Bidders shall state:

- The name of the Subcontractor;
- The dollar amount of the subcontract; and
- The category of Work that the Subcontractor would be performing.



If no subcontracts subject to the above disclosure requirements are anticipated, a Bidder shall so indicate by entering "NONE" or by filling in the appropriate check box. For each Subcontractor listed, Bidders shall provide all requested information. An incomplete form will be cause for rejection of the Bid.

The Subcontractor Disclosure Form may be submitted either:

- By filling out the Subcontractor Disclosure Form printed from the Bid Booklet and submitting it together with the Bid at the time and place designated for receipt of Bids; or
- By removing it from the paper Bid Booklet, filling it out and submitting it separately to the Agency at the address given in the Bid Booklet or to the FAX number (503) 623-2339.

Subcontractor Disclosure Forms submitted by any method will be considered late if not received by the Agency within 2 working hours of the time designated for receiving Bids.

The Agency is not responsible for partial, failed, illegible or partially legible facsimile (FAX) transmissions or submittals, and such forms may be rejected as incomplete.

In the event that multiple Subcontractor Disclosure Forms are submitted, the last version received prior to the deadline will be considered to be the intended version.

Bids will be deemed non-responsive if the Subcontractor Disclosure Forms are not in compliance with the requirements of this Subsection or are submitted late.

00120.70 Rejection of Nonresponsive Bids

(REPLACE) The fourteenth bullet that begins, "A disclosure of first-tier..." with the following:

- A disclosure of first-tier Subcontractors, if required under 00120.40(f), is not received within 2 working hours of the time Bids are due to be submitted, or the disclosure form is not complete.

00140.40 Differing Site Conditions

(REPLACE) This subsection, except for the subsection number and title, with the following:

The following constitute differing Project Site conditions provided such conditions are discovered at the Project Site after commencement of the Work:



For projects that include FHWA funding:

Type 1 - Subsurface or latent physical conditions that differ materially from those indicated in the Contract Documents; or

Type 2 - Unknown physical conditions of unusual nature that differ materially from those ordinarily encountered and generally recognized as inherent in the Work provided for in the Contract.

For projects that do not include FHWA funding:

Type 1 - Subsurface or latent physical conditions that could not have been discovered by careful examination of the Project Site, utilities and available records as described in 00120.15; or

Type 2 - Unknown physical conditions of unusual nature that differ materially from those ordinarily encountered and generally recognized as inherent in the Work provided for in the Contract.

The party discovering such a condition shall promptly notify the other party, in writing, of the specific differing conditions before they are disturbed and before the affected Work is performed. The Contractor shall not continue Work in the affected area until the Engineer has inspected such condition according to 00195.30 to determine whether an adjustment to Contract Amount or Contract Time is required.

Payment adjustments due to differing Project Site conditions, if any, will be made according to 00195.30. Contract Time adjustments, if any, will be made according to 00180.80.

00150.10(a) Order of Precedence

(REVISE) The bullet, “The Public Improvement Contract” to be the second to the last bullet in the list.

00150.50 Cooperation with Utilities

(ADD) Before paragraph that begins, “Subject to the Engineer’s approval, the Contractor...” add the following paragraph:

Unless the delay is caused by acts or omissions of the contracting agency or persons acting therefor, if the Contractor is delayed and has stopped Contract Item work for 60 minutes or less, neither additional Contract Time nor additional compensation will be considered.

00150.97 Responsibility of Materials and Workmanship

(REPLACE) (b) with the following:



(b) Whether before or after the City’s acceptance of the Work, the Contractor shall at no additional expense to the City, be responsible for:

- Correcting or repairing any defects in, or damage to, the Work which results from the use of improper or defective materials or workmanship; or
- Replacing, in its entirety, the Work affected by the use of improper or defective materials or workmanship to the extent provided by law; and
- Correcting or repairing any Work, Materials, Structures, Existing Surfacing, Pavement, Utilities, or sites, including without limitation Wetlands, damaged or disturbed in that correction, repair, or replacement. (see 00170.80 to 00170.85)

00170.85(b)(2) General Warranty for Local Public Agency Projects

(REPLACE) The first and second paragraph of this subsection with the following:

For those Contracts that are developed, advertised, awarded, and administered by Local Public Agencies, and are not for FHWA-funded projects on the National Highway System, this 00170.85(b-2) warranty applies.

The Contractor shall warrant all Work and workmanship, including Changed Work, Additional Work, Incidental Work, On-Site Work, and Extra Work, and Materials and Equipment incorporated in the Work, for 2 years from the date of Second Notification, except that warranties according to 00170.85(b-1) and manufacturers' warranties and extended warranties according to 00170.85(c) shall not be abridged.

00195.10 Payment for Changes in Material Costs

(REPLACE) This subsection, including the subsection title, with the following:

Asphalt Cement Material Price Escalation/De-escalation - An asphalt cement escalation/de-escalation clause will be in effect during the life of the Contract.

The Agency reserves all of its rights under the Contract, including, but not limited to, its rights for suspension of the Work under 00180.70 and its rights for termination of the Contract under 00180.90, and this escalation/de-escalation provision shall not limit those rights.



(a) Monthly Asphalt Cement Material Price (MACMP) - Two Monthly Asphalt Cement Material Price (MACMP) prices will be established each month by the Agency and will be based on the published prices of PG 64 22 asphalt cement furnished by Poten & Partners, Inc. One MACMP will be based on the average prices for the Pacific Northwest, Portland Oregon area and the other MACMP will be based on the average prices for the Boise Idaho area. Each MACMP for a given month will be the average of the published prices for that MACMP for each Friday in that month.

For information regarding the calculation of the MACMP, and for the actual MACMP, go to the Oregon Department of Transportation website at:

http://www.oregon.gov/ODOT/HWY/ESTIMATING/Pages/asphalt_fuel.aspx

If the Agency selected index ceases to be available for any reason, the Agency in its discretion will select and begin using a substitute price source or index to establish the MACMP each month. The MACMP will apply to all asphalt cement including but not limited to paving grade, polymer modified, and emulsified asphalts, and recycling agents. The Agency does not guarantee that asphalt cement will be available at the MACMP.

(b) Base Asphalt Cement Material Price (Base) - The Base asphalt cement material price for this Project is the MACMP published on the Agency website for the month immediately preceding the bid opening date.

(c) Monthly Asphalt Cement Adjustment Factor - The Monthly Asphalt Cement Adjustment Factor will be determined each month as follows:

- If the MACMP is within $\pm 5\%$ of the Base, there will be no adjustment.
- If the MACMP is more than 105% of the Base, then:

$$\text{Adjustment Factor} = (\text{MACMP}) - (1.05 \times \text{Base})$$

- If the MACMP is less than 95% of the Base, then:

$$\text{Adjustment Factor} = (\text{MACMP}) - (0.95 \times \text{Base})$$



(d) Asphalt Cement Source Selection - The Contractor may select one MACMP source for this Project from the choices below. If the Contractor chooses to select a source, submit this checked, signed, and dated page to the Engineer not later than seven Calendar Days after the date of Award of the Contract. Once selected, the MACMP source will not be changed.

MONTHLY ASPHALT CEMENT MATERIAL PRICE SOURCE SELECTION

Poten Pacific Northwest Source numbers for the MACMP for this Project.

Contractor's Signature

Date

If the Contractor does not select a MACMP source or does not identify the source within seven Calendar Days after Award of the Contract, the Engineer will establish the MACMP source as follows:

The Poten Pacific Northwest numbers will be used for all Projects.

(e) Asphalt Cement Price Adjustment - A price adjustment will be made for the items containing asphalt cement listed below. The price adjustment as calculated in (c) above will use the MACMP for the month the asphalt is incorporated into the Project. The price adjustment will be determined by multiplying the asphalt incorporated during the month for subject Pay Items by the Adjustment Factor.

The Pay Items for which price adjustments will be made are:

Pay Item(s)

(List all pay items for which price adjustments apply. Add or delete pay items as appropriate.)

_____ Asphalt in _____ HMAC

Emulsified Asphalt in Fog Coat

Emulsified Asphalt for Tack Coat

Asphalt in Emulsified Asphalt Surface Treatment

Asphalt in Multiple Application Emulsified Asphalt Surface Treatment

Emulsified Asphalt in Mixture



Recycling Agent

00195.50 (c) Forms of Retainage

(REPLACE) (2) Cash, Alternate B (Retainage Surety Bond), with the following:

(2) Cash, Alternate B (Retainage Surety Bond) – Upon receipt of an approved retainage surety bond, the City will limit the amount of cash retainage withheld to \$10,000. The surety bond must be in the bond form provided by the City. The bond must be provided by the same Surety that provides the Performance and Payment Bonds.

If the Contractor elects this form of retainage, the City will withhold from progress payments up to 5% of the value of the Work accomplished as cash retainage until the retained amount equals \$10,000. After that amount is retained, no further cash retainage will be withheld until the additional required retainage that would have been withheld exceeds the face amount of the retainage surety bond provided. Thereafter, retainage will be withheld from progress payments according to these Specifications. According to 00195.50(b), if at any time the City determines that satisfactory progress is not being made on the Work, the City may withhold up to 5% of the value of the Work accomplished from subsequent progress payments.

If an acceptable retainage surety bond is provided, the Contractor shall notify all Subcontractors of the existence of the retainage surety bond and shall advise them of their rights under ORS 279C.560(7) and ORS 701.435.

Amounts of retainage withheld under the provision will be included in the final payment according to 00195.90.

Any retainage withheld on Work performed by a Subcontractor shall be released to the Contractor according to 00195.50(d).

00195.70(a) Termination for Default

(REPLACE) Forth paragraph of item (a) that begins, "If the expense incurred by the Agency..." with the following:

If the expense incurred by the Agency in completing the Work, including without limitation, expense for additional managerial and administrative services, exceeds the cost of the Work less the sum of all amounts previously paid to the Contractor, the Contractor or the Contractor's Surety shall pay to the Agency the amount of the excess expense.



(ADD) 00199.15 Inappropriate Protest or Claim -

It shall be presumed that the Contractor submits a protest or claim for additional compensation in good faith, based upon facts which reasonably support the Contractor's position and with full knowledge and understanding of the injury done to the Agency when notice of differing Project Site conditions or claims for additional compensation are not submitted in a timely manner as required under the Contract. Accordingly, the submission of a protest or claim without the concurrent submission of evidence that reasonably supports the protest or claim, or the submission of a protest or claim in an untimely manner will constitute a waiver of the protest or claim

00220.03(b) Closures –

(ADD) Add the following bullet to the end of the bullet list:

- **On Street Parking** - A minimum of 14 calendar days before closing on-street parking. After receiving written approval, provide 48 hour public notification before limiting the on-street parking.

00225.02 General Requirements –

(ADD) Add the following paragraph to the end of this subsection:

Install a "NO PARKING" (R8-3a-24) sign in every block where on-street parking is prohibited, facing incoming traffic.

00350.00 Scope –

(REPLACE) In the sentence, replace the word "geotextile" with the word "geosynthetics".

(ADD) 00350.42 Subgrade Reinforcement Geogrid Installation Requirements:

(a) Placement - Prepare the surface receiving geogrid to a smooth condition to the depth shown and as follows:

- Orient the geogrid rolls parallel to the roadway centerline.
- Unroll the geogrid in the same direction the cover material will be placed. If the geogrid shifts or becomes misaligned, realign it and anchor it according to the manufacturer's recommendations.



(b) Overlaps - Overlap the geogrid a minimum of 2 feet. Overlap the geogrid in the same direction the cover material is placed with the preceding layer lapped on top of the following layer.

(c) Protection of Geogrid - Drive rubber tired equipment on the geogrid at no more than 5 mph. Drive tracked equipment on the geogrid only after placing a minimum of 6 inches of cover material on top of the geogrid. Do not turn or make sudden stops or starts on the geogrid or cover material.

During installation cover the geogrid with cover material as soon as possible. Do not leave uncovered for more than 5 Calendar Days.

(d) Repair - Repair or replace damaged or torn geogrid according to manufacturer's recommendations at no cost to the Agency.

00350.90 Payment –

Add the following pay item to the end of the pay item list:

(f) Subgrade Reinforcement GeogridSquare Yard

00442.12 Proportioning of CLSM Mixture

(ADD) To the end of the second bullet, that begins, “28-day cylinder reports...”. In addition to cylinder tests, motor cube tests per ASTM C1019 using metal plates as a bond breaker are acceptable.

00442.14 Acceptance

(ADD) The underlined text as follows: Acceptance will be based on the Engineer’s review and approval of written certification and trail batch cylinder or mortar cube reports as required by 00442.12.

00445.10 General -

(ADD) To the end of the first paragraph, “Approved pipe materials for gravity sanitary sewers are ductile iron, concrete, high density polyethylene, and polyvinyl chloride pipe. Where tees or wyes for connection are absent or unusable, connection of service lines shall be made with an approved tap such as Sealtite saddle, Tap-Tite tee, Romac CB, Fernco EZ tap, NDS Saddle or equal commercial tap. PVC pipe shall be connected to sanitary manholes using an approved adapter specifically manufactured for the intended service. PVC pipe adapters shall be Fernco CMA, Romac LCT, Tylox Manhole Adapters, Vassallo Series 32850, Kor-N-Seal, Sealtite, Z-Lok-XP, or equal commercial product. Field-



fabricated waterstops or improvised adapters such as gaskets stretched over the pipe will not be allowed.”

To the end of the third paragraph, “Taps shall be installed without protrusion into or damage to the existing sewer. Sanitary laterals are to be ASTM D-3034 PVC green pipe only. Storm laterals are to be ASTM D-3034 PVC white pipe only. No service line or building sewer shall be connected to an existing sewer without prior inspection and approval of the pipe for watertightness and proper construction in accordance with the state plumbing code. Previous use of the service line or building sewer for septic tank or other application, or absence of usable cleanouts for accessing the building sewer, shall not excuse the requirement for testing except as may be authorized by the state building code inspector.”

00445.91 Payment

(ADD) At the end of the section, add the following: “Payment will be made for pipe in place only after the pipe has successfully passed the air or hydrostatic test and video inspection recording and report has been submitted and accepted.”

00470.71(a) Hydrostatic Testing –

(REPLACE) In the fourth sentence, replace “0.3 gallons” with “0.2 gallons”.

00490.10 Materials

(ADD) To list of materials, add “Sanitary, Storm Pipe.....00445”

(ADD) **00490.12 Pipe Connections** – When connecting new sewer pipe to existing service lines of similar material, use solid slip couplers.

00490.40 General

(ADD) To end of sixth paragraph, add “Install pipe and test pipe repairs according to 00445. Place, compact and prepare pipe bedding immediately prior to performing repair. Replace damaged pipe section using rigid or flexible pipe as directed.”

00490.46(c) Raising Tops of Manholes

(ADD) Before first sentence in first paragraph, add “Manholes shall be adjusted to final surface grade. For manhole adjustment in new asphalt concrete paving, raise the manholes to finished grade during or following final paving.”



00490.47 Adjusting Catch Basins and Inlets

(ADD) The following paragraph, directly after the subsection title, as following:

Furnish and install temporary plugs for the inlets and outlets to drainage structures before adjusting. Prevent sediment and rock from entering the storm system during adjustments. Prior to removing temporary plugs, vacuum out liquids and debris from the structure and structure sump. Dispose of waste materials (liquid and solids) according to 00290.

00495.40(g) Concrete Sidewalk, Curb and Driveway

(ADD) To end of paragraph, add “Sidewalks and driveways shall be removed and replaced in complete panels to the joint lines. Areas damaged by the Contractor’s operations shall be removed and replaced as directed by the Engineer.”

(ADD) 00499.00 Low Impact Development Approaches (LIDA)

Introduction

The City’s Design Standards define the requirements for development to treat and detain stormwater runoff. Stormwater is the runoff from impervious surfaces such as streets, roofs and parking lots that flows to storm drains, ditches and culverts, and then to the nearest river, stream or wetland. When it rains, stormwater runoff may pick up oil, sediment, bacteria, grease and chemicals that can pollute local waterways.

LIDAs offer options to comply with stormwater management requirements, and complement the water quality facilities that have been established as part of these specifications. The five objectives of LIDA are to:

- I. Conserve Existing Resources
- II. Minimize Disturbance
- III. Minimize Soil Compaction
- IV. Minimize Imperviousness
- V. Direct Runoff from Impervious Areas onto Pervious Areas

(ADD) 00499.10 LIDA Design Considerations

- I. LIDA may be used in combination or with standard water quantity and quality facilities to meet the requirements of this Chapter.
- II. The applicant shall provide an analysis in the drainage report of the ability of any proposed LIDA to meet the water quantity and quality requirements for a project.



- III. The applicant shall provide a report from a registered design professional detailing infiltration rates of existing soils for LIDA facilities that are proposed to fully discharge into existing soils.
- IV. Maintenance access shall be provided for all LIDA facilities adjacent to collector or arterial roadways as approved by the City Engineer.
- V. Approval of use of a LIDA by the City does not eliminate the need for the applicant to secure approval from other appropriate agencies for use of LIDA on their project. A potential example may be DEQ's underground injection control (UIC) permit.
- VI. LIDA facility planting shall follow the guidelines as detailed in Appendix A, Planting Requirements of the Clean Water Services Design and Construction Standards.

(ADD) 00499.20 LIDA Approvable by the City:

- I. Figure A identifies acceptable LIDA facilities to meet the requirements of this chapter. The table identifies LIDA facilities to be used for publicly maintained systems and whether LIDA can be designed to meet the quality or quantity requirements of the specifications. Designers are also encouraged to consult the City of Portland's stormwater management manual, Clean Water Services LIDA Handbook, and/or Oregon State University Extension Service LID facility design details for additional specific designs and other considerations.
- II. LIDA facilities not included in Figure A may be approved by the City Engineer if the applicant can demonstrate that the LIDA can meet the requirements of this Chapter.
- III. LIDA facilities require a long-term recorded maintenance plan identifying maintenance techniques, schedule, and responsible parties. This requirement shall be noted in a maintenance plan and the City private maintenance agreement template shall be completed and approved with the drainage report for a project, before building permit and or site development permit is finalized for a project.
- IV. All private LIDA Facilities shall be designed and constructed in locations that are approved by the City.
- V. Reference **Standard Drawing No. RD951**, LIDA Sizing form.



**Figure A
APROVABLE LOW IMPACT DEVELOPMENT APPROACHES**

Application	Green Roof	Porous Pavement/ Pavers	Flow-through Planter	Infiltration Planter1/ Rain Garden	Vegetated Filter Strip	LIDA Swale
Quantity Control	•	•	•	•		
Quality Control	•	•	•	•	•	•
Impervious Area Reduction	•	•				
Infiltrate		•		•	•	•
Private Property	•	•	•	•	•	•
Public Street/ ROW			•		•	•
Steep Slope	•		•			
Soils with Low Infiltration Rate2	•	•	•		•	•
High GW Table	•		•		•	•
Contaminated Soils	•		•			

00620.40 Pavement Removal

(ADD) To the end of paragraph (a) the following:

Repave all cold-planned pavement reconstruction areas during the same work shift.

00641.44(a)(1) Dense-graded Aggregates –

(ADD) To the end of the paragraph that begins, “Begin compaction of each layer of dense-graded aggregates...” the following: Engineer may direct the location of tests and/or increase frequency of testing if a test fails to meet compaction.



00641.80 (b) Volume Basis -

(REPLACE) The subsection, except for the subsection number and title, with the following:

When measurement is by volume, quantities will be measured in the hauling vehicle or measurement will be limited to the neat lines of the fully compacted finished structure as shown or directed. The Engineer may choose which method of measure is being used and it is the Contractor's responsibility to confirm with the Engineer which form of measurement is being used prior to submitting a Bid, if it is not explicitly identified in the Solicitation Documents.

00730.90 Payment -

(REPLACE) Replace this subsection, except for the subsection number and title, with the following:

No separate or additional payment will be made for emulsified asphalt tack coat.

00759.90 Payment -

(REPLACE) Last sentence that begins, "Aggregate will be paid for according to..." with the following:

Base Aggregate and Shoulder Aggregate down to the bottom of the Base Aggregate, is incidental to the construction of the sidewalk. All other aggregate will be paid for according to 00640.90 or 00641.90 as appropriate. Contractor shall verify with the Engineer which is being used prior to submitting a Bid, unless it is explicitly called out in the Solicitation Documents.

00905.00 Scope –

Replace the paragraph that begins "This work consists...", but not the bullet list, with the following paragraph:

This work consists of one or more of the following.

Add the following bullet to the end of the bullet list:

- Modifying signs, modifying sign legends, and repairing existing signs as shown.

(ADD) 00905.10 Materials - Furnish materials for modifying signs and legends and for repairing signs meeting the requirements of Section 02910.



(ADD) 00905.41 Modify Legends - Remove existing removable legends and install new legends as shown and according to 00940.45. Fill all rivet holes not covered by new legends with new blind rivets. Do not damage background sheeting and substrates.

(ADD) 00905.42 Modify Signs - Modify signs as shown and according to Section 00940.

00905.90 Payment –

Add the following pay item to the end of the pay item list:

(c) Modify Existing Signs and LegendsLump Sum

(ADD) SECTION 00942 - PERMANENT BARRICADES

Description

(ADD) 00942.00 Scope - This work consists of furnishing, fabricating, and installing permanent Type III barricades as shown.

Materials

(ADD) 00942.10 Materials - Furnish materials for permanent Type III barricades meeting the following requirements:

Hardware	02910.40
Plywood	02910.11
Posts	02110.40
Reflective Sheeting (Type III or Type IV)	02910.20

Construction

(ADD) 00942.40 General - Construct permanent barricades as shown.

Place reflective sheeting on the horizontal member before assembling the required splice.

A sheeting manufacturer approved lubricant may be used on the nylon and metal washers to prevent sign sheeting deformation. Replace damaged horizontal members or horizontal members with sheet deformation at no additional cost to the Agency.

Measurement

(ADD) 00942.80 Measurement - The quantities of permanent barricades will be measured on the unit basis.



Payment

(ADD) 00942.90 Payment - The accepted quantities of permanent barricades will be paid for at the Contract unit price, per each, for the item "Permanent Type III Barricades".

00960.42(a) General

(REPLACE) In the third paragraph, "No. 16 AWG THWN" with "No. 14 AWG THWN".

00962.02 Calculations and Drawings

(REPLACE) The bullet list with the following bullet list:

- Prequalified manufacturing shop drawings.
- Calculations and shop drawings for all standard poles that do not have prequalified manufacturing shop drawings.
- Calculations and shop drawings for all nonstandard poles that do not have prequalified manufacturing shop drawings.
- Calculations and installation drawings for all nonstandard pole foundations that do not have details shown.

00990.42(h) Audible Pedestrian Signals

(ADD) The following paragraph to the end of this subsection

Use audible pedestrian signals from the ODOT-maintained prequalified products list, known as the "Green Sheets".

01120 Irrigation Systems

(ADD) Add the following paragraphs to Section 01120 Irrigation Systems:

01120.01 Contractor's Qualifications - In order to install certain kinds of equipment or systems, specific certifications, license's, and experience will be required, as described below:

For irrigation work: A valid Oregon Landscape Contractors License for and a valid Oregon Landscape Business License are required. The irrigation work shall be performed by a firm specializing in irrigation work. The irrigation Contractor shall have at least two years prior experience on similar scope projects. Submit names, addresses, and



dates of previous projects, and owners contact information, if requested by the Engineer.

For irrigation backflow prevention device work: For irrigation backflow preventer installations, a valid Oregon Landscape Contractors License for irrigation plus backflow or a valid Oregon Plumbing License is required.

For backflow prevention device testing: A valid Certified Backflow Assembly Tester certification from the State of Oregon is required.

01140.10 Materials -

(DELETE) Delete the following:

“Steel Pipe Fittings – 6” and larger”

“Steel Pipe Fittings – under 6”

“Steel Pipe – 6” and larger”

“Steel Pipe – under 6””

01140.41(d) Steel Pipe -

(DELETE) Delete paragraph (d)

01140.41 Laying Pipe

(ADD) **(g) Cathodic Protection** - When a corrosive potential condition is encountered and the copper service passes over or under an active cathodic protection system, the service will be installed in a Schedule 40 PVC conduit for a distance of 10 feet on each side of the active system. All conduit placements must be provided with as-built records.

01140.42(b) Steel Pipe Under 6 Inches -

(DELETE) Delete paragraph (b)

01140.43 Thrust Restraint

(ADD) Add the following to paragraph (a):

Place a 6 mil polyethylene between the thrust block and the fitting. See City of Dallas Oregon Standard Drawing: Thrust Blocking RD250(A).

01140.52(b)(1)Disinfecting: Gaseous Chlorine



- (ADD) Feeding of dry gas is limited to main pressures of less than 10psi.
- 01140.52 Disinfecting**
- (ADD) **(j) Chlorinating Valves And Hydrants** - In the process of chlorinating pipelines, all valves should be operated while the pipeline is filled with the chlorinating agent.
- 01160.40(a) Touchup Painting**
- (REPLACE) Replace the end of the sentence, “the type and color coating designated by the Engineer.”, with “white above finish grade. Nozzle caps and top of hydrant shall be painted black to match the existing system fire hydrants.”
- 01160.49 Hydrants and Appurtenances**
- (ADD) **01160.49 Location and Position** - Locate as shown or directed so as to provide complete accessibility and minimize possibility of damage from vehicles or injury to pedestrians. Improperly located hydrants shall be disconnected and relocated at the Contractor's expense. When placed behind the curb, set hydrant barrel so that no portion of the pumper or hose nozzle cap will be less than 18 inches from the gutter face of the curb. When set in lawn space between curb and sidewalk or between sidewalk and property line let no portion of the hydrant or nozzle cap be within 18 inches of the sidewalk. Set all hydrants plumb and nozzles parallel with, or at right angles to, the curb with the pumper nozzle facing the curb.
- 02470.30 Steel Pipe 6 Inches and Larger -**
- (DELETE) Delete section 02470.30
- 02470.35 Steel Pipe Under 6 Inches -**
- (DELETE) Delete section 02470.35
- 02470.60 Marking Tape**
- (REPLACE) Replace “Caution – Water” in paragraph (a) with “Caution – Potable Water”.
- 02480.10 General -**
- (REPLACE) In the 3rd sentence, replace “an O-ring stuffing box.”, with “three O-rings in a stuffing box.”
- 02480.25 Valve Boxes -**



(REPLACE) In the 2nd sentence, replace “Boxes shall be of”, with “Boxes shall be “Vancouver 910,”

02480.26 Valve Stem Extensions -

(REPLACE) In the last sentence, replace “3-feet”, with “18-inches”

02485.10 Fire Hydrants -

(ADD) After the last sentence, add the following:

Accepted hydrants include Mueller “Centurion”, Kennedy “Guardian”, U.S. Pipe “Metropolitan” and M & H “129”.

Fire hydrants shall be set on a bed of ¾-inch crushed rock or graded river gravel free of organic matter, sand, loam, clay, and other small particles. The rock or gravel shall be not less than 18-inches deep and 3-feet square, for drainage. Provide geotextile around drain rock and overlap a minimum of 18-inches.

02485.20 End Connections -

(DELETE) Delete “mechanical joint or”

02485.30(b) Nozzle Features -

(REPLACE) In the first sentence, replace “pumper nozzle to match the Agency’s connection requirements.”, with “4-1/2-inch pumper nozzle.”

(ADD) In the first sentence of the 2nd paragraph, add “and metal chains” after “Fit nozzles with cast iron threaded caps”.

02485.30 Hydrant Dimensions and Nozzle Features -

(ADD) **(c) Adapter** - A 5-inch “Storz” adapter with American National Standard Threads shall be installed on the pumper port. The adapter shall be constructed of high strength aluminum alloy, have a Teflon coated seat and threads. The adapter shall use a rubber gasket to seal all leakage. The adapter shall have a set screw to secure it in place. The adapter shall be provided with an approved aluminum alloy pressure cap attached to the “Storz” adapter with a plastic coated stainless steel cable to prevent loss or theft. “Storz” adapters with caps, (to eliminate entry of foreign materials into the hydrant) are not approved. Accepted adapter includes “Storz” 125 AWG-5”.

(ADD) **(d) Hydrant Marker** - Install blue reflective hydrant marker on top of AC pavement, 6-inches off centerline of side nearest the fire hydrant. Reflective



Hydrant Marker –Stimsonite, Model 88AB, two-way blue reflector . Reflector shall have an adhesive butyl pad; “Hot Spot” two part epoxy. E-Bond part one-1240, part two – 1241 (MFG. contact 945-566-6555).

02490.20 Saddles

(ADD) **(a) Saddles** – Accepted saddles shall be of the stainless steel, double strap type.

02490.30 Corporation Stops

(ADD) **(a) Corporation Stops** – Corporation stops shall be 1-inch-minimum size, ball valve type, brass body conforming to AWWA Standard C 800 and have AWWA (CC) male inlet and flared outlet sized for seamless copper (type K) tubing. They shall have full way bore to accommodate direct tap installation. Saddle required for 4-inch mains. Accepted corporation stops include: Ford “Q”, Mueller “110”, or approved equal.

02490.50 Meter Setters

(ADD) **(a) Meter Setters** – Meter setters shall be constructed with copper tubing and two brass body ball valves conforming to AWWA Standard C 800. Meter Setter shall have high, offset bypass, minimum 1-inch-diameter. Bottom inlet and outlet shall have female iron pipe threads. Top inlet and outlet shall have meter flanges. Accepted meter setters include Ford, or approved equal.

02490.70 Meter Boxes -

(REPLACE) Replace paragraphs (a) Nontraffic Areas with the following paragraph:

(a) Meter Boxes - Meter boxes shall be polymer concrete as approved. Approved concrete boxes include Armorcast polymer concrete boxes. See detail RD274(A).

CITY OF DALLAS STANDARD DRAWINGS

(ADD) Standard Drawing RD001 – 4/16

(ADD) Standard Drawing RD002 – 4/16

(ADD) Standard Drawing RD003 – 4/16

(ADD) Standard Drawing RD004 – 4/16

(ADD) Standard Drawing RD007 – 4/16

(ADD) Standard Drawing RD016 – 4/16



- (ADD) Standard Drawing RD250(A) – 4/16
- (ADD) Standard Drawing RD254(A) – 4/16
- (ADD) Standard Drawing RD258(A) – 4/16
- (ADD) Standard Drawing RD262(A) – 4/16
- (ADD) Standard Drawing RD270(A) – 4/16
- (ADD) Standard Drawing RD274(A) – 4/16
- (ADD) Standard Drawing RD275 – 4/16
- (ADD) Standard Drawing RD278(A) – 4/16
- (ADD) Standard Drawing RD280 – 4/16
- (ADD) Standard Drawing RD285 – 4/16
- (ADD) Standard Drawing RD300(A) – 4/16
- (ADD) Standard Drawing RD302(A) – 4/16
- (ADD) Standard Drawing RD303 – 4/16
- (ADD) Standard Drawing RD310(A) – 4/16
- (ADD) Standard Drawing RD335(A) – 4/16
- (ADD) Standard Drawing RD342(A) – 4/16
- (ADD) Standard Drawing RD350(A) – 4/16
- (ADD) Standard Drawing RD356(A) – 4/16
- (ADD) Standard Drawing RD360(A) – 4/16
- (ADD) Standard Drawing RD362(A) – 4/16
- (ADD) Standard Drawing RD366(A) – 4/16
- (ADD) Standard Drawing RD370(A) – 4/16
- (ADD) Standard Drawing RD371(A) – 4/16
- (ADD) Standard Drawing RD700(A) – 4/16
- (ADD) Standard Drawing RD720(A) – 4/16



- (ADD) Standard Drawing RD745(A) – 4/16
- (ADD) Standard Drawing RD750(A) – 4/16
- (ADD) Standard Drawing RD755(A) – 4/16
- (ADD) Standard Drawing RD756(A) – 4/16
- (ADD) Standard Drawing RD757(A) – 4/16
- (ADD) Standard Drawing RD759(A) – 4/16
- (ADD) Standard Drawing RD950 – 04/16
- (ADD) Standard Drawing RD951 – 04/16
- (ADD) Standard Drawing RD952 – 04/16
- (ADD) Standard Drawing RD953 – 04/16
- (ADD) Standard Drawing RD957 – 04/16
- (ADD) Standard Drawing RD959 – 04/16
- (ADD) Standard Drawing RD972 – 04/16
- (ADD) Standard Detail DET1100(A) – 4/16

By: _____

Fred Braun, PE
Director of Engineering and Environmental Services