- OPLC requires submission of detailed construction plans and/or drawings for any work within the
 pipeline easement at least 10 business days in advance of construction for review and comment.
 Plans and drawings should be sent to Olympic Pipe Line Company, Field Project Office, 2319
 Lind Ave SW, Renton, WA 98057.
- The contractor is responsible for having the pipeline location added to the construction drawings. The contractor is also responsible for taking all the necessary safety precautions and will be held responsible for any damages caused to the pipeline or property as a result of their work.

Excavation Specific Requirements

- No excavation or construction activity will be permitted in the vicinity of the pipeline(s) until all
 appropriate communications have been made with OPLC's field projects and engineering
 personnel.
- There shall be no excavation or backfilling within the pipeline right of way for any reason without a representative from OPLC on-site stating permission.
- In some instances, excavation and other construction activities around certain pipelines may be conducted safely only when the pipeline operating pressure has been reduced. Contractors are therefore cautioned that excavation which exposes or significantly reduces the cover over a pipeline may have to be delayed until the reduced pressure is achieved.

General Construction Activities

- The contractor shall not be permitted to transport construction materials or equipment longitudinally over the pipeline.
- Any required relocation or encasement of the pipeline(s) will be at the developer's expense.
- Development grading should not remove any of the existing ground cover from; or add excessive fill over the pipeline(s). OPLC's prior approval to add fill is required.
- Where it is necessary for construction equipment (i.e. tractors, backhoes, dump trucks etc.) or equipment transporting construction materials to cross the pipeline to gain access to the job site, a crossing shall be constructed at a 90 degree angle to the pipeline. The contractor will be responsible for protecting the pipeline depending on depth, soil conditions and type of equipment for temporary or permanent crossings using either fill or steel sheeting. These methods must meet OPLC's requirements and have prior approval from our Engineering and Construction Department.
- No track type construction equipment shall be permitted to pivot or turn directly over the top of the pipeline.
- A scraper or pan type tractor shall not be used for removal of soil within ten feet (10') of the
 centerline of the pipeline. Rubber tire or small track type equipment is an acceptable alternative.
- A sheepsfoot roller shall not be used for compaction purposes within five feet (5') of the centerline of the pipeline.
- No vibratory rollers shall be used within three feet (3') of the centerline of the pipeline until the compacted cover over the pipeline has reached a depth of three and one-half feet (3 ½).

1-07.17(3) Interruption of Service

New

Whenever in the course of the construction operation it becomes necessary to cause an outage of utilities, it shall

be Contractor's responsibility to notify the affected users and Engineer not less than 72 hours in advance of such outage. Contractor shall make reasonable effort to minimize the duration of outages, and shall estimate the length of time service will be interrupted and so notify the users. In the case of any utility outage that has exceeded or will exceed four hours, user contact shall again be made.

Locations and dimensions shown in the plans for existing buried facilities are in accordance with available information obtained by researching existing record drawings.

1-07.23 Public Convenience and Safety

1-07.23(1) Construction Under Traffic

Section 1-07.23(1) is supplemented with the following:

(April 2, 2007) Work Zone Clear Zone

The Work Zone Clear Zone (WZCZ) applies during working and nonworking hours. The WZCZ applies only to temporary roadside objects introduced by the Contractor's operations and does not apply to preexisting conditions or permanent Work. Those work operations that are actively in progress shall be in accordance with adopted and approved Traffic Control Plans, and other contract requirements.

During nonworking hours equipment or materials shall not be within the WZCZ unless they are protected by permanent guardrail or temporary concrete barrier. The use of temporary concrete barrier shall be permitted only if the Engineer approves the installation and location.

During actual hours of work, unless protected as described above, only materials absolutely necessary to construction shall be within the WZCZ and only construction vehicles absolutely necessary to construction shall be allowed within the WZCZ or allowed to stop or park on the shoulder of the roadway.

The Contractor's nonessential vehicles and employees private vehicles shall not be permitted to park within the WZCZ at any time unless protected as described above.

Deviation from the above requirements shall not occur unless the Contractor has requested the deviation in writing and the Engineer has provided written approval.

Minimum WZCZ distances are measured from the edge of traveled way and will be determined as follows:

Posted Speed	Distance From Traveled Way (Feet)
35 mph or less	10 *
40 mph	15
45 to 55 mph	20
60 mph or greater	30

^{*} or 2-feet beyond the outside edge of sidewalk

Minimum Work Zone Clear Zone Distance

/*****)

Single lane closures will be permitted as follows except for special event days:

Daytime Lane Closures:

Monday through Friday: 9:00am to 4:00 pm

Nighttime Lane Closures:

Monday through Friday: 7:00 pm to 6:00 am

Special Events: Lane and sidewalk closures will not be permitted the day or night of the following special events:

1.) Arlington Fly-In, typically held in July starting the 1st Wednesday after the 4th thru Sunday.

All lane closures must be pre-approved by the City of Arlington.

If the Engineer determines the permitted closure hours adversely affect traffic, the Engineer may adjust the hours accordingly. The Engineer will notify the Contractor in writing of any change in the closure hours.

No lane closures will be allowed on a holiday or holiday weekend, or after 12:00 PM (noon) on a day prior to a holiday or holiday weekend. Holidays that occur on Friday, Saturday, Sunday or Monday are considered a holiday weekend.

(*****)

1-07.23(1)A Intersections and Street Lane Restrictions and Closures New

Access must be maintained to businesses within project limits at all times in accordance with Section 1-07.23(1).

1-08 PROSECUTION AND PROGRESS

(*****)

1-08.0(1) Preconstruction Conference

New

Prior to the Contractor beginning the work, a preconstruction conference will be held between the Contractor, the Engineer, and such other interested parties as may be invited. The purpose of the preconstruction conference will be:

- 1. To review the initial progress schedule;
- 2. To establish a working understanding among the various parties associated or affected by the
- 3. To establish and review procedures for progress payment, notifications, approvals, submittals, etc.;
- 4. To establish normal working hours for the work;
- 5. To review safety standards and traffic control; and
- 6. To discuss such other related items as may be pertinent to the work.
- 7. To review all permits acquired and/or needed for the project.

The Contractor shall prepare and submit at the preconstruction meeting the following:

- 1. A breakdown of all lump sum items;
- 2. A preliminary schedule of working drawing submittals; and
- 3. A list of material sources for approval if applicable.

1-08.1 Subcontracting

Section 1-08.1 is supplemented with the following:

(October 12, 1998)

Prior to any subcontractor or lower tier subcontractor beginning work, the Contractor shall submit to the Engineer a certification (WSDOT Form 420-004) that a written agreement between the Contractor and the subcontractor or between the subcontractor and any lower tier subcontractor has been executed. This certification shall also guarantee that these subcontract agreements include all the documents required by the Special Provision **Federal Agency Inspection**.

A subcontractor or lower tier subcontractor will not be permitted to perform any work under the contract until the following documents have been completed and submitted to the Engineer:

- 1. Request to Sublet Work (Form 421-012), and
- 2. Contractor and Subcontractor or Lower Tier Subcontractor Certification for Federal-aid Projects (Form 420-004).

The Contractor's records pertaining to the requirements of this Special Provision shall be open to inspection or audit by representatives of the Contracting Agency during the life of the contract and for a period of not less than three years after the date of acceptance of the contract. The Contractor shall retain these records for that period. The Contractor shall also guarantee that these records of all subcontractors and lower tier subcontractors shall be available and open to similar inspection or audit for the same time period.

(March 13, 1995)

1-08.5 Time for Completion

Supplement

Section 1-08.5 is supplemented with the following:

This project shall be physically completed within one hundred twenty (120) working days.

1-10 TEMPORARY TRAFFIC CONTROL

1-10.2 Traffic Control Management

(December 1, 2008) 1-10.2(1) General

Supplement

Section 1-10.2(1) is supplemented with the following:

Only training with WSDOT TCS card and WSDOT training curriculum is recognized in the State of Washington. The Traffic Control Supervisor shall be certified by one of the following:

The Northwest Laborers-Employers Training Trust 27055 Ohio Ave.
Kingston, WA 98346 (360) 297-3035

Evergreen Safety Council 401 Pontius Ave. N. Seattle, WA 98109 1-800-521-0778 or (206) 382-4090

The American Traffic Safety Services Association 15 Riverside Parkway, Suite 100 Fredericksburg, Virginia 22406-1022 Training Dept. Toll Free (877) 642-4637 Phone: (540) 368-1701

1-10.4 Measurement

Supplement

1-10.4(1) Lump Sum Bid for Project (No Unit Items)

Supplement

Section 1-10.4(1) is supplemented with the following:

(August 2, 2004)

The proposal contains the item "Project Temporary Traffic Control", lump sum. The provisions of Section 1-10.4(1) shall apply.

DIVISION 2

EARTHWORK

2-01 CLEARING, GRUBBING, AND ROADSIDE CLEANUP

(*****)

2-01.1 Description

Supplement

Section 2-01.1 is supplemented with the following:

Clearing and grubbing shall include the removal and disposal of all trees and vegetation where noted in the Plans. Tree limits shown on the plan are approximate and shall be verified by the Contractor prior to bidding.

Clearing and grubbing operations shall be performed to and within the cut and fill limits shown in the Plans or as directed by the Engineer. Clearing and Grubbing limits for utility installation beyond the roadway prism shall be performed to and within the limits of the Utility Easement shown on the Plans or 5' on either side of the utility if there is not a utility easement shown on the plans. Clearing and grubbing limits for the Agency provided waste site for surplus roadway excavation shall be as directed by the Engineer.

2-02 REMOVAL OF STRUCTURES AND OBSTRUCTIONS

(*****)

2-02.1 Description

Supplement

Section 2-02.1 is supplemented with the following:

The Contractor shall remove all existing materials to be replaced within the limits of the project area, including but not limited to asphalt concrete pavement, sidewalks, curbs and signing.

All materials removed shall become the property of the Contractor unless otherwise noted in the Plans or these specifications and shall be disposed of off site at a legal disposal site to be obtained and paid for by the Contractor.

(*****)

2.02.2 Private Property Improvements

New

The Contractor shall minimize disruption to private property.

The Contractor shall provide written notice (two working days at a minimum) to the property owner prior to the removal or relocation of private property items. Any discrepancy with the property owner over the item or items to be removed or relocated shall be brought to the immediate attention of the Engineer.

(*****)

2-02.3 Construction Requirements

Supplement

Section 2-02.3 is supplemented with the following:

Relocating 4 Strand Wire Fence

The Contractor shall remove and relocate a portion of the 4 strand wire fence as shown in the plans. The posts and any foundations shall be removed in its entirety. No close cutting of posts will be allowed. The resulting voids, which will not be immediately obliterated by the grading operating shall be backfilled with native material and compacted to the satisfaction of the Engineer.

The relocated fence shall match in kind the existing fence and shall be installed per WSDOT Standard Plan L-10.10-00. New corner posts (2 EA) shall be installed at both ends of the relocated fence. New wire shall match the existing wire in kind. Existing fence signs removed shall be reinstalled in kind to the existing or relocated

fence as directed by the Engineer. All work required to remove and relocated the 4 strand wire fence as described herein shall be included in the Bid Item "Removal of Structure and Obstruction", lump sum.

Removing Fence

The Contractor shall remove existing fences as shown in the Plans. The posts and any foundations shall be removed in it's entirety. No close cutting of posts will be allowed. The resulting voids, which will not be immediately obliterated by the grading operating shall be backfilled with native material and compacted to the satisfaction of the Engineer. All costs of removing fences shall be included in the Bit Item "Removal of Structure and Obstruction", lump sum.

Relocating Gate

All gates and posts shall be relocated as shown on the plans or as directed by the Engineer, in such a manner that they are not damaged. All costs of relocating gates and posts shall be included in the Bid Item "Removal of Structure and Obstruction", lump sum.

The following items and approximated quantities will be paid for under the lump sum price for "Removal of Structure and Obstruction".

Item	Unit	Approximate Quantity
Removing 4 Strand Wire Fence	Linear Foot	455
Relocating 4 Strand Wire Fence	Linear Foot	155
Removing Barb Wire Fence	Linear Foot	28
Relocating Chain Link Gate and Posts	Each	1
Removing Curb, Gutter & Pavement	Square Yard	15

2-02.3(3) Removal of Pavement, Sidewalk, Curbs, and Gutters Section 2-02.3(3) is supplemented with the following:

The Contractor shall saw cut between any existing sidewalk, curb, and gutter that is to remain and the portion to be removed. All costs to make a vertical full depth saw cut of sidewalk, curb & gutter shall be incidental to other bid items and no specific unit of measurement shall apply.

Sawcutting Existing Pavement

The Contractor shall make a three (3) inch minimum vertical sawcut through the existing pavement where shown on the plans or as directed by the Engineer.

2-02.4 Measurement

Supplement

Section 2-02.4 is supplemented with the following:

"Sawcutting Existing Pavement", per linear foot.

Sawcutting existing pavement will be measured by the linear foot along the pavement being cut.

2-02.5 Payment

Supplement

Section 2-02.5 is supplemented with the following:

"Sawcutting Existing Pavement", per linear foot.

The unit contract price per linear foot for "Sawcutting Existing Pavement" shall be full pay for all labor, tools, equipment, and materials necessary to complete the work as specified.

ROADWAY EXCAVATION AND EMBANKMENT 2-03

2-03.3(7) Disposal of Surplus Material

Supplement Section 2-03.3(7) is supplemented with the following:

Surplus roadway excavation material, clean of asphalt, concrete, vegetation, and woody debris, shall remain the property of the City of Arlington and shall be hauled to the southern property line adjacent to SR531 as shown on the vicinity map in the plans and as directed by the Engineer. This material shall be rough graded to conform generally with the existing topography and as directed by the Engineer. All executed material placed at this location shall be compacted per the requirements of Section 2-03.3(14)C Method A of the Standard Specifications and shall be hydro-seeded.

(March 13, 1995)

2-03.4 Measurement

Supplement

Section 2-03.4 is supplemented with the following:

Only one determination of the original ground elevation will be made on this project. Measurement for roadway excavation and embankment will be based on the original ground elevations recorded previous to the award of this contract.

If discrepancies are discovered in the ground elevations which will materially affect the quantities of earthwork, the original computations of earthwork quantities will be adjusted accordingly.

Earthwork quantities will be computed, either manually or by means of electronic data processing equipment, by use of the average end area method or by the finite element analysis method utilizing digital terrain modeling techniques.

Copies of the ground cross-section notes will be available for the bidder's inspection, before the opening of bids, at the Project Engineer's office and at the City office.

Upon award of the contract, copies of the original ground cross-sections will be furnished to the successful bidder on request to the Project Engineer.

2-03.5 **Payment**

Supplement

Section 2-03.5 is supplemented with the following:

(*****)

The Contract Unit Price for "Roadway Excavation Including Haul," per Cubic Yard, shall be full compensation for all labor, equipment, tools, and materials necessary to excavate, load, haul, place, compact, shape, or otherwise dispose of the materials including existing asphalt concrete and cement concrete pavements, and any other work required to complete this item as specified and no further payment shall be made.

No separate payment shall be made for embankment compaction and all costs to perform this work as required shall be included in the Unit Bid Price for "Roadway Excavation Including Haul", per cubic yard.

No separate payment shall be made for Disposal of Surplus Material as described in Section 2-03.3(7) of these Specifications. Hydro-Seeding of the waste site will be paid & installed under the bid item "Seeding, Fertilizing and Mulching".

2-06 SUBGRADE PREPARATION

(*****)

2-06.5 Payment

Supplement

Section 2-06.5 is supplemented with the following:

All cost associated with preparation and compaction of the subgrade shall be considered incidental to the construction and shall be included by the Contractor in other bid items in the Proposal.

DIVISION 5 SURFACE TREATMENTS AND PAVEMENTS

5-04 HOT MIX ASPHALT

5-04.3 Construction Requirements

5-04.3(13) Surface Smoothness

Supplement

(March 13, 1995)

The second sentence of Section 5-04.3(13) is revised to read:

The completed surface of the wearing course shall not vary more than 1/4 inch from the lower edge of a 10-foot straightedge placed on the surface parallel to centerline.

(*****)

5-04.3(15) HMA Road Approaches

Supplement

Section 5-04.3(15) is supplemented with the following:

Asphalt sidewalk ramps shall consist of a minimum 2" compacted depth layer of HMA Cl. ½ In. PG-64-22 over a minimum 4" compacted depth Crushed Surfacing Top Course on native sub grade compacted to 95% density. Asphalt sidewalk ramps shall be constructed per the detail in the Plans and paid for per the bid item "Asphalt Ramp," per each.

(*****)

5-04.3(17) Paving Under Traffic

Supplement

Section 5-04.3(17) is supplemented with the following:

The Contractor shall minimize any pavement drop-offs or abrupt pavement edges to traffic during nonworking hours. Unless otherwise approved by the Engineer, pavement drop-offs or abrupt pavement edges left exposed to traffic during nonworking hours shall be protected as follows:

- 1. Drop-offs up to 0.20 feet, unless otherwise directed by the Engineer, may remain exposed with appropriate warning signs alerting motorists of the condition.
- 2. Drop-offs more than 0.20 feet that are within the traveled way shall be protected with appropriate warning signs and further protected by the following:
 - a. A wedge of asphalt cold mix or other material approved by the Engineer shall be placed at a slope of 4:1 or flatter.
 - b. Channelization devices shall be placed along the traffic side of the drop-off or abrupt pavement edges and shall comply with the latest edition of the MUTCD. Pavement drop-off warning signs shall be placed in advance and throughout the drop-off area.

A steel plate cover shall be placed over open trenches within the traveled way. A wedge of asphalt cold mix or other material approved by the Engineer shall be placed along the sheet edges to provide a smooth transition between the pavement and the steel plate. Warning signs shall be used to alert motorists of the presence of the steel plates.

The use of cold mix as specified above shall be incidental to and included in the unit contract prices for the various items in the Proposal.

(September 5, 2006) 5-04.4 Measurement

Supplement

Section 5-04.4 is supplemented with the following:

No specific unit of measurement will apply to the calculated item of asphalt cost price adjustment.

(*****)

Asphalt ramps will be measured per each for each ramp constructed per the details in the plans.

5-04.5 Payment

Supplement

Section 5-04.5 is supplemented with the following:

(September 8, 2008)

Asphalt Cost Price Adjustment

The Contracting Agency will make an Asphalt Cost Price Adjustment, either a credit or a payment, for qualifying changes in the reference cost of asphalt binder. The adjustment will be applied to partial payments made according to Section 1-09.9 for the following bid items when they are included in the proposal:

"HMA Cl PG"			
"HMA for Approach Cl	PG	"	
"HMA for Preleveling Cl.	PG_		
"HMA for Pavement Rep	air Cl	_ PG	
"Commercial HMA"			

The adjustment is not a guarantee of full compensation for changes in the cost of asphalt binder. The Contracting Agency does not guarantee that asphalt binder will be available at the reference cost.

The Contracting Agency will establish the asphalt binder reference cost twice each month and post the information on the Agency website at:

http://www.wsdot.wa.gov/biz/construction/AsphaltIndex.cfm.

The reference cost will be determined using posted prices furnished by Poten & Partners, Inc. If the selected price source ceases to be available for any reason, then the Contracting Agency will select a substitute price source to establish the reference cost.

The base cost established for this contract is the reference cost posted on the Agency website for the period immediately preceding the bid opening date.

Adjustments will be based on the most current reference cost for Western Washington or Eastern Washington as posted on the Agency website, depending on where the work is performed. For work completed after all authorized working days are used, the adjustment will be based on the posted reference cost during which contract time was exhausted. The adjustment will be calculated as follows:

No adjustment will be made if the reference cost is within 5% of the base cost.

If the reference cost is greater than or equal to 105% of the base cost, then Adjustment = (Current Reference Cost - (1.05 x Base Cost)) x (Q x 0.056).

If the reference cost is less than or equal to 95% of the base cost, then Adjustment = (Current Reference Cost - (0.95 x Base Cost)) x (Q x 0.056).

Where Q = total tons of all classes of HMA paid in the current month's progress payment.

"Asphalt Cost Price Adjustment", by calculation.

"Asphalt Cost Price Adjustment" will be calculated and paid for as described in this section. For the purpose of providing a common proposal for all bidders, the Contracting Agency has entered an amount in the proposal to become a part of the total bid by the Contractor.

(*****)

The Contract Unit Price for "Asphalt Ramp", per Each, shall be full compensation for all labor, equipment, tools, and materials necessary to construct the asphalt ramp per the details shown in the plans and these specifications.

DIVISION 7

DRAINAGE STRUCTURES, STORM SEWERS, SANITARY SEWERS, WATER MAINS, AND CONDUITS

7-05 MANHOLES, INLETS, CATCH BASINS, AND DRYWELLS

(*****)

7-05.3(1) Adjusting Manholes and Catch Basins to Grade

Supplement

Section 7-05.3(1) is supplemented with the following:

All manholes within the roadway shall be adjusted to grade prior to paving.

7-05.3(3) Connection to Existing Manholes

Supplement

Section 7-05.3(3) is supplemented with the following:

Connection to existing sanitary manholes shall be in accordance with this section and will be paid under the bid item "Connection to Drainage Structure", per each.

(*****)

7-05.4 Measurements

Supplement

Section 7-05.4 is supplemented with the following:

Structural Excavation Class B and Structural Excavation Class B Including Haul will not be measured and shall be incidental to other bid items.

7-05.5 Payment

Supplement

Section 7-05.5 is supplemented with the following:

The unit Contract price per each for "Adjust Manhole" and "Connection to Drainage Structure", shall be full pay for all costs necessary to make the adjustment and or connection including restoration of adjacent areas, excavation, dewatering, backfill, compaction and all tools, equipment, labor and material required to complete the adjustment or connection in a manner acceptable to the Engineer.

7-09 WATER MAINS

(*****)

7-09.2 Materials

Modification

Section 7-09.2 shall be modified as follows:

Pipe used for water mains shall be cement mortar lined ductile iron pipe (DIP) Class 52

7-09.3(6) Existing Utilities

Supplement

Section 7-05.3(6) is supplemented with the following:

(*****

Potholing Existing Utilities

When utility installation requires crossing an existing utility or where shown in the Plans, the Contractor shall pothole the existing utility prior to installation of the new utility. Contractor shall as-built this information (measure down from final grade to existing utility) and if this is different then shown on the Plans, the Contractor shall notify the Engineer immediately. Potholing shall be done well in advance of the utility construction to allow the Engineer time to redesign the crossing if required.

All costs associated with potholing existing utilities including excavation, backfill, compaction, tools,

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equipment and labor shall be incidental to other bid items.

7-09.3(22) Blow-Off Assemblies

Supplement

Section 7-09.3(22) is supplemented with the following:

Blow-off assemblies shall be constructed in accordance with Arlington Standard Detail W-180.

7-09.4 Measurement

Supplement

Section 7-09.4 is supplemented with the following:

Measurement for payment of relocated blow-off assemblies will be per each.

(*****)

7-09.5 Payment

Supplement

Section 7-09.5 is supplemented with the following:

"Relocate Blowoff Assembly", per each.

The unit Contract bid price per each for "Relocate Blowoff Assembly" shall be full pay for all work to remove and reinstall the blowoff assembly, including but not limited to, excavating, backfill, laying and jointing pipe, tapping the main, corporate stop, pipe and fittings, gate valve, meter box, and cover and cleanup. Damage caused to the blowoff assembly due to the Contractors negligence shall be repaired or replaced by the Contractor at no expense to the Contracting Agency.

7-12 VALVES FOR WATER MAIN

(******)

7-12.3 Construction Requirements

Supplement

Section 7-12.3 is supplemented with the following:

The combination air release/air vacuum valves shall be installed per City of Arlington Standard Detail W-260.

7-14 HYDRANTS

(*****)

7-14.2 Materials

Modification

Section 7-14.2 shall be modified as follows:

Hydrants and all materials shall conform to AWWA Standards and shall be of Standard Manufacture M&H 929 Reliant or Mueller Super Centurion 250 Only.

The unit contract price per each for "Hydrant Assembly," shall be full pay for all work to furnish and install fire hydrant assemblies per City Standard Plan W-0104, including all costs for auxiliary gate valve, shackles, tie rods, concrete blocks, gravel, pipe connecting the hydrant to the main and the lateral tee, and painting required for the complete installation of the hydrant assembly as specified.

7-17 SANITARY SEWERS

(*****)

7-17.2 Materials

Modification

Section 7-17.2 is modified as follows:

Pipe used for sanitary sewer shall be:

SDR 35 conforming to ASTM 3034 where inverts depths are from 5 feet to 14 feet Class 52 ductile iron pipe (DIP) epoxy coated or AWWA C900 PVC pipe where invert depths are shallower than 5 feet or deeper than 14 feet

(*****)

7-17.5 Payment

Supplement

Section 7-17.5 is supplemented with the following:

Structural Excavation Class B and Structural Excavation Class B Including Haul shall be incidental to the unit Contract price of PVC Sanitary Sewer Pipe ___ In. Diam., per linear foot.

The installation of end pipe markers where shown on the Plans shall be incidental to other bid items.

Dewatering shall be incidental to the unit contract price to PVC Sanitary Sewer Pipe ___ In. Diam., per linear foot. The Contractor shall be alerted that the depth of ground water varies greatly from the south end of the project to the north end. Depth of ground water ranges from 6' or less on the south end of the project to 12' below grade at the junction of Phase 1A & 1B with the groundwater getting deeper as you head north of there. Contractor shall be responsible for obtaining the soils information per Section 1-02.4 of these Special Provisions.

7-18 SIDE SEWERS

(*****)

7-18.1 Description

Supplement

Section 7-18.1 is supplemented with the following:

This work consists of furnishing and installing side sewers in accordance with the plans and City Standard Plans SS-090, and SS-100.

(*****)

7-18.3(5) End Pipe Marker

Supplement

Section 7-18.3(5) is supplemented with the following:

End pipe markers shall be installed per City of Arlington Standard Detail SS-090 and shall be incidental to other bid items.

(*****)

7-20 RAIN GARDEN SYSTEMS

New

7-20.1 Description

Section 7-20 describes work consisting of the construction of rain gardens alongside vehicular traffic areas to receive surface runoff for infiltration.

7-20.2 Materials

Materials for rain garden shall be as stated in Section 7-20.3(1) herein.

7-20.3 Construction Requirements

7-20.3(1) General

Rain garden soils shall be protected from all sources of additional moisture at the Supplier, in covered conveyance, and at the Project Site until incorporated into the rain garden. Rain Garden soil placement will not be allowed when the ground is frozen or excessively wet, or when the weather is too wet as determined by the Engineer.

Rain Garden Soils shall be mixtures of component parts measured on a volume basis. These soils shall be free of branch, root, stump, vegetative material, and rock 2 inch and larger in any dimension.

The soil shall be a 2 component mixture by volume consisting of 45% composted material meeting the requirements of Section 9-14.4(8) and 55% native sand. The mixture shall be well blended to produce a homogeneous mix.

At least 5 Working Days in advance of construction, the Contractor shall submit to the Engineer for approval, a Manufacturer's Certificate of Compliance for the rain garden soil and component parts demonstrating compliance with the Material Specifications including the permeability test results and a 2 gallon minimum size sample. The submittal shall also include a description of the equipment and methods proposed to construct the rain garden including excavation and backfill method.

7-20.3(2) Construction

At the locations shown on the Drawings, the Contractor shall excavate, grade, and shape per the typical details shown in the plans. Excavated soil shall be disposed of, or reused elsewhere as the Contract may specify or the Engineer will allow.

Rain garden soils shall be placed in loose lifts not exceeding 6 inch thickness and compacted by proof rolling.

The minimum coefficient of permeability shall be minimum 2 inches per hour and a maximum of 3 inches per hour per ASTM D 2434 at a relative soil density adjusted to replicated 85% as determined by ASTM D 1557.

7-20.4 Measurement

Measurement for Rain Garden Soil Mix will be by the cubic yard of material in place.

7-20.5 Payment

"Rain Garden Soil Mix", per cubic yard.

The unit contract price for "Rain Garden Soil Mix", per cubic yard, shall be full pay for all work necessary to furnish, place, compact, excavate, grade, shape, mix, and dispose of excavated material.

DIVISION 8

MISCELLANEOUS CONSTRUCTION

8-01 EROSION CONTROL AND WATER POLLUTION CONTROL

(****)

8-01.1 Description

Supplement

Straw wattles shown on the Plans shall mean wattles per WSDOT Standard Specifications, Section 8-01 and WSDOT Standard Plan I-30.30-00.

8-01.3(2)B Seeding and Fertilization

Supplement

Section 8-01.3(2)B shall be supplemented with the following:

(December 4, 2006)

Grass seed, of the following composition, proportion, and quality shall be applied at the rates shown below on all disturbed areas requiring roadside seeding within the project:

Kind and Variety of Seed in Mixture by Common Name and (Botanical name)	Pounds Pure Live Seed (PLS) Per Acre
Colonial Bentgrass (Highland or Astoria) Red Fescue (Illahee Rainer or Pennlawn) Perennial Rye (Lolium perenne)	10 50 <u>40</u>
Total Pounds PLS Per Acre	100

Seeds shall be certified "Weed Free," indicating there are no noxious or nuisance weeds in the seed.

(January 3, 2006)

Sufficient quantities of fertilizer shall be applied to supply the following amounts of nutrients:

Total Nitrogen as N - 135 pounds per acre.

Available Phosphoric Acid as P₂O₅ - 60 pounds per acre.

Soluble Potash as K₂O - 60 pounds per acre.

90 pounds of nitrogen applied per acre shall be derived from isobutylidene diurea (IBDU), cyclo-di-urea (CDU), or a time release, polyurethane coated source with a minimum release time of 6 months. The remainder may be derived from any source.

The fertilizer formulation and application rate shall be approved by the Engineer before use.

8-01.3(2)D Mulching

Supplement

Section 8-01.3(2)D is supplemented with the following:

(January 3, 2008)

Wood cellulose fiber mulch shall be applied at a rate of 200 pounds per acre.

(*****)

8-01.3(7) Stabilized Construction Entrance

Supplement

Stabilized construction entrance is combined with and incidental to the tire wash per the detail shown in the plans and will be paid for under the bid item "Tire Wash", per each.

It is assumed that the Contractor will enter and exit the site from SR531. If the Contractor elects to enter the site from more than one access point than the Contractor shall install additional tire washes at each additional access point at his expense.

(*****)

8-01.3(9) Inlet Protection

Supplement

Inlet protection shall be installed where shown on the plans as Inlet or Catch Basin Protection. All inlet protection shall be "Below Inlet Grate" devices, see WSDOT Standard Plan I-40.20-00.

(*****)

8-01.4 Measurement

Supplement

Street Cleaning will not be measured and will be incidental to other bid items. Contractor shall keep streets cleaned at all times of debris and sediment off of the project site. Street cleaning shall occur daily or as directed by the Engineer.

(*****)

8-01.5 **Payment**

Supplement

"Street Cleaning" is incidental to other bid items.

"Tire Wash", per each. The unit contract price per each for tire wash shall include all costs associated with constructing the tire wash per the detail shown in the plans, operating, maintaining, and removing the tire wash. In addition, the cost of supplying all materials including subgrade geotextile fabric, aggregate, quarry spalls, water, excavation, placement, hauling and compacting of material as shown in the detail in the plans, shall be incidental in the bid item, "Tire Wash", per each.

Contractor will only be paid for the first tire wash installed and all others tire washes installed will be for the benefit of the Contractor and shall be incidental to other bid items.

8-04 CURBS, GUTTERS, AND SPILLWAYS

8-04.3 Construction Requirements

8-04.3(1) Cement Concrete Curbs, Gutters, and Spillways

Supplement

Section 8-04.3(1) is supplemented with the following:

The top 6" of the back of curb will be an exposed surface and therefore it shall be finished and broomed the same as the requirements for the face of the curb.

The cost to finish the back of curb and to install the rain garden curb cuts per the Plans shall be included in the unit bid price of "Cement Conc. Traffic Curb and Gutter", per linear foot.

8-13 MONUMENT CASES

(*****)

8-13.1 Description

Replacement

Section 8-13.1 is deleted and replaced by the following:

This work shall consist of furnishing and placing monument cases, covers and concrete monuments in accordance with the City of Arlington Standard Detail R-130 and these specifications, in conformity with the lines and locations shown in the Plans or as directed by the Engineer.

(*****)

8-13.2 Materials

Replacement

Section 8-13.2 is deleted and replaced by the following:

Materials shall meet the requirements of the City of Arlington Standard Detail R-130.

(*****)

8-13.3 Construction Requirements

Modification

The last paragraph of Section 8-13.3 is revised to read:

The Contractor's certified professional land surveyor will be responsible for placing the brass cap and obtaining and submitting a signed and sealed Certificate of Monumentation to the Engineer for approval prior to the monument case and cover being accepted by the City.

(*****)

8-13.4 Measurement

Supplement

Section 8-13.4 is supplemented with the following:

Measurement of monument case and cover will be by the unit for each monument case, cover and concrete monument furnished, set and certified in accordance with the Plans and these Special Provisions and will be paid for by the Bid Item "Monument Case and Cover", per each.

8-20 ILLUMINATION, TRAFFIC SIGNAL SYSTEMS, AND ELECTRICAL

(*****)

8-20.4 Measurement

Supplement

Section 8-20.4 is supplemented with the following:

"Junction Box Type 1" will be measured per each.

(*****)

8-20.5 Payment

Supplement

Section 8-20.5 is supplemented with the following:

"Junction Box Type 1", per each.

The unit Contract price per each for "Junction Box Type 1" shall be full pay for furnishing all material and labor, including all excavation, backfilling of any voids around the box, adjusting to grade, bedding and all other work necessary for the construction of the junction box.

8-21 PERMANENT SIGNING

(*****)

8-21 Description

Supplement

Section 8-21 is supplemented with the following:

This work consists of furnishing and installing new permanent signing consisting of traffic regulatory signs, bike lane signs, street signs, and the Airport Business Park sign in accordance with the MUTCD, WSDOT Sign Fabrication Manual, Contract Plans and these Specifications at the locations shown in the plans or as directed by the Engineer.

Airport Business Park Sign

Airport Business Park sign shall be furnished and installed per Sign No. A3.15.03 of Appendix 4 of these Contract Documents (Pg AS-207). Sign specifications shall be per "Section 10430: Specialty Signs", Part 1

through Part 3 of Appendix 4. Exact sign location shall be pre-approved by the Engineer prior to installation. All costs to furnish and install the Airport Business Park sign shall be included with all other signs shown in the plans and paid for under the Bid Item "Permanent Signing", lump sum.

DIVISION 9

MATERIALS

9.03 AGGREGATE

(January 5, 2004) 9-03.8(2) HMA Test Requirements

Supplement

Section 9-03.8(2) is supplemented with the following:

ESAL's

The number of ESAL's for the design and acceptance of the HMA shall be 2.26 million.

9-06 STRUCTURAL STEEL AND RELATED MATERIALS

9-06.16 Roadside Sign Structures

Supplement

Section 9-06.16 is supplemented with the following:

(August 2, 2004)

Perforated Steel Square Sign Post System

Where noted in the Plans, steel sign post systems shall be square, pre-punched galvanized steel tubing, that are NCHRP 350 Test Level 3 Certified and FHWA approved.

The steel sign post system shall include all anchor sleeves, and other hardware required for a complete sign installation.

System Acceptance

Systems listed in the current QPL will be accepted per the QPL approval code. Systems not listed in the QPL will be accepted based on a Supplier's Certificate of Compliance. The Supplier's Certificate of Compliance will be a contract specific letter from the supplier stating the system is NCHRP 350 Test Level 3 compliant. A Certificate of Material Origin (WSDOT Form 350-109) will be required for contracts containing the "Foreign Made Materials" clause and will include a dollar value for any foreign steel used in the system being supplied.

9-29 ILLUMINATION, SIGNAL, ELECTRICAL

(*****)

9-29.2(4) Cover Markings

Supplement

Section 9-29.2(4) is supplemented with the following:

The top of junction boxes containing conduit for future landscape irrigation pipe shall be marked or embossed with the letter "W". The top of junction boxes containing conduit for future power for the irrigation system shall be marked or embossed with the letter "E".

APPENDICES (July 12, 1999)

The following appendices are attached and made a part of this contract:

- A STATE PREVAILING MINIMUM HOURLY WAGE RATES
- B FEDERAL PREVAILING MINIMUM HOURLY WAGE RATES
- C WSDOT AND CITY STANDARD PLANS AND DETAILS
- D AIRPORT BUSINESS PARK SIGN DETAILS AND SPECIFICATIONS

STANDARD PLANS December 7, 2009

The State of Washington Standard Plans for Road, Bridge and Municipal Construction M21-01 transmitted under Publications Transmittal No. PT 09-013, effective December 7, 2009 is made a part of this contract.

The Standard Plans are revised as follows:

All Standard Plans

All references in the Standard Plans to "Asphalt Concrete Pavement" shall be revised to read "Hot Mix Asphalt".

All references in the Standard Plans to the abbreviation "ACP" shall be revised to read "HMA".

B-10.20 and B10.40

Substitute "step" in lieu of "handhold" on plan

C-3, C-3B, C-3C

Note 1 is revised as follows: replace reference F-2b with F-10.42

C-4

Deleted

C-10 (sheet 2 of 2)

COVER PLATE DETAIL, dimension of the 1" dia. holes, changes from 8" to 3"

F-10.20

GENERAL NOTE

Revise as follows:

Replace reference to F-3 with F-30.10

F-40.12 through F-40.18

The following note is added to these five plans:

Note 7. To the maximum extent feasible, the ramp cross slope shall not exceed 2%.

G-24.40

Existing callout - CORNER BOLT (TYP.)

New callout - CORNER BOLT OR SHOULDER BOLT (TYP.)

J-5

Deleted

J-7a

Deleted

J-40.10, Section A

replace 3" MIN. with 3" MAX.

<u>J-40.</u>30

Diamond Note 2:

Was = Copper Split Bolt Clamp

Is = Copper Solder Less Crimp Connector

K-80.30

In the NARROW BASE, END view, the reference to Std. Plan C-8e is revised to Std. Plan K-80.35

L-20.10, Sheet 1

Delete all references to tension cable and substitute tension wire. Add knuckled selvage is required on the top edge of the fence fabric.

L-20.10, Sheet 2

Delete all references to tension cable and substitute tension wire. All rope thimbles, wire rope clips and seizing are not required.

L-30.10, Sheet 1

Delete all references to tension cable and substitute tension wire.

L-30.10, Sheet 2

Delete all references to tension cable and substitute tension wire. All rope thimbles, wire rope clips and seizing are not required.

M-1.60

COLLECTOR DISTRIBUTOR ROAD OFF- CONNECTION, taper dimensions of 225' MIN. is changed to 300' MIN.

The following are the Standard Plan numbers applicable at the time this project was advertised. The date shown with each plan number is the publication approval date shown in the lower right-hand corner of that plan. Standard Plans showing different dates shall not be used in this contract.

A-10.20-0010/05/07 A-10.30-0010/05/07 A-20.10-008/31/07 A-30.10-0011/08/07 A-30.15-0011/08/07	A-30.35-0010/12/07 A-40.00-008/11/09 A-40.10-018/11/09 A-40.15-008/11/09 A-40.20-009/20/07 A-40.50-0011/08/07 A-50.10-0011/17/08	A-50.20-019/22/09 A-50.30-0011/17/08 A-50.40-0011/17/08 A-60.10-0110/14/09 A-60.20-018/11/09 A-60.30-0011/08/07 A-60.40-008/31/07
B-5.20-006/01/06	B-30.50-006/01/06	B-75.20-016/10/08
B-5.40-006/01/06	B-30.70-018/31/07	B-75.50-016/10/08
B-5.60-006/01/06	B-30.80-006/08/06	B-75.60-006/08/06
B-10.20-006/01/06	B-30.90-019/20/07	B-80.20-006/08/06
B-10.40-006/01/06	B-35.20-006/08/06	B-80.40-006/01/06
B-10.60-006/08/06	B-35.40-006/08/06	B-82.20-006/01/06
B-15.20-006/01/06	B-40.20-006/01/06	B-85.10-016/10/08
B-15.40-006/01/06	B-40.40-006/01/06	B-85.20-006/01/06
B-15.60-006/01/06	B-45.20-006/01/06	B-85.30-006/01/06
B-20.20-0111/21/06	B-45.40-006/01/06	B-85.40-006/08/06
B-20.40-026/10/08	B-50.20-006/01/06	B-85.50-016/10/08
B-20.60-026/10/08	B-55.20-006/01/06	B-90.10-006/08/06
B-25.20-006/08/06	B-60.20-006/08/06	B-90.20-006/08/06
B-25.60-006/01/06	B-60.40-006/01/06	B-90.30-006/08/06
B-30.10-006/08/06	B-65.20-006/01/06	B-90.40-006/08/06
B-30.20-0111/21/06	B-65.40-006/01/06	B-90.50-006/08/06
B-30.30-006/01/06	B-70.20-006/01/06	B-95.20-012/03/09
B-30.40-006/01/06	B-70.60-006/01/06	B-95.40-006/08/06
C-1b10/31/03	C-4e2/20/0 C-4f6/30/0 C-510/14/0 C-65/30/9	

40/04/00	0.0-	20	C 45h 7/2/09
C-1d10/31/03 C-21/06/00	C-6a10/14/0 C-6c1/06/0		C-15b7/3/08 C-16a11/08/05
C-2a6/21/06	C-6d5/30/9		C-16b11/08/05
C-2b6/21/06	C-6f7/25/9 C-710/31/0		C-20.14-0110/14/09 C-20.15-0010/14/09
C-2c6/21/06 C-2d6/21/06	C-710/31/0		C-20.18-0010/14/09
C-2e6/21/06	C-82/10/0		C-20.19-0010/14/09
C-2f3/14/97	C-8a7/25/9	97	C-20.40-0110/14/09
C-2g7/27/01	C-8b2/10/0		C-20.42-0110/14/09
C-2h3/28/97	C-8e2/21/0		C-22.14-002/03/09
C-2i3/28/97	C-8f6/30/0	04	C-22.16-002/03/09
C-2j6/12/98	C-107/31/9	98	C-22.40-0110/05/07
C-2k7/27/01	C-137/3/0	08	C-23.60-0110/14/09
C-2n7/27/01	C-13a7/3/0	08	C-25.18-019/20/07
C-2o7/13/01	C-13b7/3/08	3	C-25.20-0410/14/09
C-2p10/31/03	C-13c7/3/0	8	C-25.22-0310/14/09
C-310/04/05	C-14a7/3/0	8	C-25.26-0110/14/09
C-3a10/04/05	C-14b7/26/0	02	C-25.80-017/3/08
C-3b10/04/05	C-14c7/3/0		C-28.40-002/06/07
C-3c6/21/06	C-14d7/3/0		C-40.14-002/03/09
C-4b6/08/06	C-14e7/3/0		C-40.16-002/03/09
C-4b6/08/06	C-14h2/10/0	9	C-40.18-0110/14/09 C-90.10-007/3/08
			C-90.10-001/3/06
D-2.02-0011/10/05	D-2.44-0011/10/05	D-3b	6/30/04
D-2.04-0011/10/05	D-2.46-0011/10/05	D-3c	
D-2.06-011/06/09	D-2.48-0011/10/05		12/11/98
D-2.08-0011/10/05	D-2.60-0011/10/05		6/19/98
D-2.10-0011/10/05	D-2.62-0011/10/05		12/02/08
D-2.12-0011/10/05	D-2.64-011/06/09	D-10.15-01	12/02/08
D-2.14-0011/10/05	D-2.66-0011/10/05		7/8/08
D-2.16-0011/10/05	D-2.68-0011/10/05		7/8/08
D-2.18-0011/10/05	D-2.78-0011/10/05 D-2.80-0011/10/05		7/8/08 7/8/08
D-2.20-0011/10/05			
D-2.30-0011/10/05	D-2.82-0011/10/05		12/02/08
D-2.32-0011/10/05	D-2.84-0011/10/05		12/02/08
D-2.34-011/06/09	D-2.86-0011/10/05		12/02/08
D-2.36-021/06/09	D-2.88-0011/10/05 D-2.92-0011/10/05		1/06/09 12/02/08
D-2.38-0011/10/05		D-15.30-01	12/02/00
D-2.40-0011/10/05	D-37/13/05		
D-2.42-0011/10/05	D3a12/02/08		
E-12/21/07	E-48/27/03		
E-25/29/98	E-4a8/27/03		
F-10.12-0012/20/06	F-30.10-001/23/07	F-40.18-00.	2/07/07
F-10.16-0012/20/06	F-40.10-0110/05/07	F-40.20-00.	
F-10.40-017/3/08	F-40.12-002/07/07	F-42.10-00.	10/05/07
F-10.42-001/23/07	F-40.14-002/07/07	F-80.10-00.	1/23/07

F-10.62-019/05/07 F-10.64-027/3/08	F-40.15-002/07/07 F-40.16-002/07/07	
G-10.10-009/20/07 G-20.10-009/20/07 G-22.10-017/3/08 G-24.10-0011/08/07 G-24.20-0011/08/07 G-24.30-0011/08/07	G-24.60-0011/08/07 G-25.10-011/06/09 G-30.10-0011/08/07 G-50.10-0011/08/07 G-60.10-008/31/07 G-60.20-008/31/07	G-70.20-0010/5/07 G-70.30-0010/5/07 G-90.10-001/06/09 G-90.20-001/06/09 G-90.30-001/06/09 G-90.40-0110/14/09
G-24.40-0112/02/08	G-60.30-008/31/07	G-95.10-0011/08/07
G-24.50-0011/08/07	G-70.10-0010/5/07	G-95.20-017/10/08
		G-95.30-017/10/08
H-10.10-007/3/08 H-10.15-007/3/08 H-30.10-0010/12/07	H-32.10-009/20/07 H-60.10-017/3/08 H-60.20-017/3/08	H-70.10-009/05/07 H-70.20-009/05/07 H-70.30-0111/17/08
I-10.10-018/11/09 I-30.10-018/11/09 I-30.15-008/11/09 I-30.20-009/20/07 I-30.30-009/20/07	I-30.40-0010/12/07 I-30.50-0011/14/07 I-40.10-009/20/07 I-40.20-009/20/07 I-50.10-009/20/07	I-50.20-008/31/07 I-60.10-008/31/07 I-60.20-008/31/07 I-80.10-018/11/09
J-1f	J-28.10-008/07/07	
K-10.20-0110/12/07 K-10.40-002/15/07 K-20.20-0110/12/07 K-20.40-002/15/07 K-20.60-002/15/07 K-22.20-0110/12/07 K-24.20-002/15/07 K-24.40-0110/12/07 K-24.60-002/15/07 K-24.80-0110/12/07 K-26.20-002/15/07	K-26.40-0110/12/07 K-30.20-002/15/07 K-30.40-0110/12/07 K-32.20-002/15/07 K-32.40-002/15/07 K-32.80-002/15/07 K-34.20-002/15/07 K-36.20-002/15/07 K-40.40-002/15/07	K-40.60-002/15/07 K-40.80-002/15/07 K-55.20-002/15/07 K-60.20-027/3/08 K-60.40-002/15/07 K-70.20-002/15/07 K-80.10-002/21/07 K-80.30-002/21/07 K-80.35-002/21/07 K-80.37-002/21/07
City of Arlington		

L-20.10-002/07/07 L-30.10-002/07/07	L-40.15-002/21/07 L-40.20-002/21/07	L-70.20-015/21/08
M-1.20-011/30/07 M-1.40-011/30/07 M-1.60-011/30/07 M-1.80-028/31/07 M-2.20-011/30/07 M-2.40-011/30/07 M-2.60-011/30/07 M-3.10-022/10/09 M-3.20-011/30/07 M-3.30-022/10/09 M-3.40-022/10/09 M-3.50-011/30/07 M-5.10-011/30/07	M-7.50-011/30/07 M-9.50-011/30/07 M-9.60-002/10/09 M-11.10-011/30/07 M-15.10-012/06/07 M-17.10-027/3/08 M-20.10-011/30/07 M-20.20-011/30/07 M-20.30-0210/14/09 M-20.40-011/30/07 M-20.50-011/30/07 M-24.20-015/31/06 M-24.40-015/31/06	M-24.60-022/06/07 M-40.10-009/20/07 M-40.20-0010/12/07 M-40.30-009/20/07 M-40.40-009/20/07 M-40.60-009/20/07 M-60.10-009/05/07 M-60.20-012/03/09 M-65.10-015/21/08 M-80.10-006/10/08 M-80.30-006/10/08
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