

KITSAP COUNTY DEPARTMENT OF PUBLIC WORKS
SOLID WASTE DIVISION

**OLYMPIC VIEW TRANSFER STATION (OVTS)
COMMERCIAL VEHICLE AND EQUIPMENT STORAGE AREA
RESURFACING PROJECT**

FORMAL BID 2016-114



KITSAP COUNTY, WASHINGTON

CONTRACT PROVISIONS

KITSAP COUNTY DEPARTMENT OF PUBLIC WORKS
614 DIVISION STREET MS-27
PORT ORCHARD, WASHINGTON 98366-4699
360.337.5777

DAVID TUCKER, P.E.
ASSISTANT DIRECTOR UTILITIES

BACK OF COVER

**KITSAP COUNTY DEPARTMENT OF PUBLIC WORKS
SOLID WASTE DIVISION**

**OLYMPIC VIEW TRANSFER STATION (OVTS)
COMMERCIAL VEHICLE AND EQUIPMENT STORAGE AREA
RESURFACING PROJECT**

The Specifications and Plans were prepared under the supervision and direction of the undersigned whose seal, as professional engineers and licensed to practice as such, is affixed below.



**Mark Steepy, P.E.
Principal
KPF Consulting Engineers**

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Table of Contents

INVITATION TO BID	1
PROPOSAL	5
BID BOND.....	11
BIDDER RESPONSIBILITY STATEMENT.....	13
NON-COLLUSION DECLARATION FORM	17
AGREEMENT	19
PUBLIC WORKS PAYMENT BOND	23
PERFORMANCE BOND	25
STANDARD SPECIFICATIONS.....	27
Section 1-06, Control of Material	27
Section 1-07, Legal Relations and Responsibilities to the Public	28
Section 1-08, Prosecution and Progress	28
Section 5-02, Bituminous Surface Treatment	29
Section 5-04, Hot Mix Asphalt	29
Section 6-02, Concrete Structures.....	30
Section 6-14, Geosynthetic Retaining Walls.....	31
Section 6-19, Shafts	31
Section 8-01, Erosion Control and Water Pollution Control	32
Section 8-10, Guide Posts	32
Section 8-22, Pavement Marking.....	32
Section 9-03, Aggregates	33
Section 9-04, Joint and Crack Sealing Materials	33
Section 9-07, Reinforcing Steel	34
SPECIAL PROVISIONS.....	35
Introduction to the Special Provisions.....	35
DIVISION 1 GENERAL REQUIREMENTS.....	36
Description of Work	36
1-01 Definitions and Terms.....	36
1-01.3 Definitions	36
1-02 Bid Procedures and Conditions	38
1-02.1 Prequalification of Bidders	38
1-02.2 Plans and Specifications	38
1-02.4 Examination of Plans, Specifications and Site of Work.....	39

1-02.5 Proposal Forms.....	39
1-02.6 Preparation of Proposal	40
1-02.7 Bid Deposit.....	40
1-02.9 Delivery of Proposal	41
1-02.10 Withdrawing, Revising, or Supplementing Proposal	42
1-02.12 Public Opening of Proposals.....	42
1-02.14 Disqualification of Bidders.....	44
1-02.15 Pre Award Information	48
1-03 Award and Execution of Contract	49
1-03.1 Consideration of Bids.....	49
1-03.3 Execution of Contract.....	49
1-03.4 Contract Bond	50
1-03.7 Judicial Review	51
1-04 Scope of Work.....	51
1-04.2 Coordination of Contract Documents, Plans, Special Provisions, Specifications, and Addenda.....	51
1-05 Control of Work.....	52
1-05.4 Conformity With and Deviation from Plans and Stakes.....	52
1-05.7 Removal of Defective and Unauthorized Work	52
1-05.11 Final Inspection.....	53
1-05.12 Final Acceptance	55
1-05.13 Superintendents, Labor and Equipment of Contractor	55
1-05.15 Method of Serving Notices	55
1-06, Control of Material	56
1-06.6 Recycled Materials.....	56
1-07 Legal Regulations and Responsibilities to the Public	56
1-07.1 Laws to be Observed	56
1-07.2 State Taxes.....	57
1-07.7 Load Limits.....	59
1-07.17 Utilities and Similar Facilities.....	59
1-07.18 Public Liability and Property Damage Insurance.....	60
1-07.23 Public Convenience and Safety	64
1-07.24 Rights of Way.....	64
1-08 Prosecution and Progress	65
1-08.0 Preliminary Matters	65

1-08.4 Prosecution of Work.....	67
1-08.5 Time for Completion.....	68
1-08.9 Liquidated Damages	69
1-09 Measurement and Payment.....	69
1-09.6 Force Account.....	70
1-09.9 Payments	70
1-10 Temporary Traffic Control.....	72
1-10.2 Traffic Control Management.....	72
1-10.4 Measurement	72
1-10.5 Payment.....	73
DIVISION 2 EARTHWORK	74
2-01 Clearing, Grubbing and Roadside Cleanup	74
2-01.1 Description	74
2-01.2 Disposal of Usable Material and Debris	74
2-02 Removal of Structures and Obstructions	74
2-02.1 Description	74
2-02.3 Construction Requirements.....	74
2-02.4 Measurement	75
2-02.5 Payment.....	75
2-03 Roadway Excavation and Embankment	75
DIVISION 5 SURFACE TREATMENTS AND PAVEMENTS.....	77
5-04 Hot Mix Asphalt	77
5-04.3 Construction Requirements.....	77
5-04.4 Measurements	79
5-04.5 Payment.....	79
DIVISION 7 DRAINAGE STRUCTURES, STORM SEWERS, STORM SEWERS, SANITARY SEWERS, WATERMAINS AND CONDUITS	81
7-01 Drains	81
7-01.2 Materials	81
7-01.5 Payment.....	81
7-04 Storm Sewers	81
7-04.2 Materials	81
7-04.3 Construction Requirements.....	81
7-04.4 Measurements	81
7-04.5 Payment.....	82

OVTS COMMERCIAL VEHICLE AND EQUIPMENT STORAGE AREA RESURFACING PROJECT

7-05 Manholes, Inlets, Catch Basins, and Drywells 82

 7-05.2 Materials 82

 7-05.3 Construction Requirements..... 82

 7-05.4 Measurements 82

 7-05.5 Payment..... 83

7-07 Vacant 83

 7-07.1 Description 83

 7-07.2 Materials 83

 7-07.3 Location 84

 7-07.4 Measurements 84

 7-07.5 Payment..... 85

7-08 General Pipe Installation Requirements 85

 7-08.4 Measurement 85

 7-08.5 Payment..... 85

7-10 Vacant 85

 7-10.1 Description 85

 7-10.2 Materials 85

 7-10.3 Construction requirements 86

 7-10.4 Measurement 86

 7-10.5 Payment..... 86

DIVISION 8 MISCELLANEOUS CONSTRUCTION 87

 8-01 Erosion Control and Water Pollution Control 87

 8-01.1 Description 87

 8-01.3 Construction Requirements..... 87

 8-01.5 Payment..... 87

 8-05 Vacant 87

 8-05.1 Description 87

 8-05.2 Materials 87

 8-05.3 Construction Requirements..... 88

 8-05.4 Measurement 89

 8-05.5 Payment..... 89

DIVISION 9 MATERIALS 90

 9-03 Aggregates 90

Standard Plans..... 91

OVTS COMMERCIAL VEHICLE AND EQUIPMENT STORAGE AREA RESURFACING PROJECT

APPENDIX A: PREVAILING WAGES

APPENDIX B: GEOTECHNICAL REPORT FOR OLYMPIC VIEW TRANSFER
STATION PAVEMENT UPGRADE

APPENDIX C: SITE VISIT MAP AND DIRECTIONS

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INVITATION TO BID

KITSAP COUNTY DEPARTMENT OF PUBLIC WORKS SOLID WASTE DIVISION

OLYMPIC VIEW TRANSFER STATION (OVTS) COMMERCIAL VEHICLE AND EQUIPMENT STORAGE AREA RESURFACING PROJECT

BID OPENING: DATE: **THURSDAY, MARCH 24, 2016** TIME: **3:00 PM**

Sealed bids for the project designated above will be received by Kitsap County Purchasing Department before the time and date indicated above, at which time they will be opened and publicly read aloud. Bids will be received at the Kitsap County Purchasing Office, Kitsap County Administration Building, 4th Floor, 619 Division Street, Port Orchard, Washington. The mailing address for the Purchasing Office is 614 Division Street, MS-7, Port Orchard, Washington 98366. Bids will be opened in the Port Madison Conference Room, 4th Floor Administration Building, 619 Division Street, Port Orchard, Washington. Instructions for the delivery of bids are contained in the Special Provisions for this project. Prospective bidders are hereby notified that they are solely responsible for ensuring timely delivery of their bid to the place of bid opening.

All bid proposals shall be accompanied by a bid proposal surety bond made payable to Kitsap County Department of Public Works in an amount equal to five percent (5%) of the amount of such bid proposal. Should the successful Bidder fail to enter into such contract and furnish satisfactory performance and payment bonds within the time stated in the Special Provisions, the bid proposal bond shall be forfeited to Kitsap County Department of Public Works.

Each proposal or bid shall be completely sealed in a separate envelope, properly addressed as stated above, with the name and address of the bidder and the name of the project plainly written on the outside of the envelope. A complete bid proposal shall include the following:

- (1) Proposal Form
- (2) Bid Bond
- (3) Bidder Responsibility Statement
- (4) Non-Collusion Affidavit

All of the above items must be complete in all respects, including signatures (notarized where required). Bidder shall acknowledge receipt of all addendums in the spaces provided. The successful Bidder will be required to submit a photocopy of their current Washington State Contractors Registration. Failure to include all items may be cause for the bid to be considered irregular and thereby rejected.

Bids or proposals received after the time set for the opening of bids will not be considered.

Bidders are notified that all bids are likely to be rejected if the lowest responsible bid received exceeds the Engineer's estimate by an unreasonable amount.

Kitsap County reserves the right to award the bid in a manner and on a basis which will best serve the County, taking into consideration the Bidder Responsibility Statement included with the bids and the requirements of the WSDOT/APWA Standard Specifications and the Contract Provisions.

The award of the contract, if made, shall be made to the responsible Bidder submitting the lowest responsive bid, based upon the total sum of the extension of unit prices for the bid items.

Electronic copies of the Plans and Contract Provisions in PDF format are available on the internet at the Kitsap County web site at www.kitsapgov.com/purchasing/bids.htm.

DESCRIPTION OF WORK

This contract provides for paving and stormwater maintenance improvements at the Olympic View Transfer Station (OVTS) located in Bremerton, Washington. Work includes roadway excavation, embankment compaction, stormwater improvements, surfacing, paving and hot mix asphalt, erosion control, pavement marking, permanent signage, traffic safety drums and other work, all in accordance with the Contract Plans, Contract Provisions, and the 2016 Department of Transportation Standard Specifications for Road, Bridge, and Municipal Construction.

NOTICE TO ALL PLAN HOLDERS:

The office of the Kitsap County Project Manager who will show this project to prospective bidders is located at the Kitsap County Department of Public Works, Randy W. Casteel Public Works Annex Building located at 8600 SW Imperial Way, Bremerton, Washington 98312.

A mandatory site visit will be held on **Wednesday, March 16, 2016**. The site visit will begin at 9:30 a.m. at the Randy W. Casteel Public Works Annex and will then proceed as a group to OVTS after a brief introduction and overview. Directions and a map showing the location of the Randy W. Casteel Public Works Annex are provided in Appendix C: Site Visit Directions and Map.

A maximum of two (2) representatives from each potential respondent team are authorized to attend the site visit. Prospective bidders **are requested to** submit an intent to attend the site visit and confirmation of the intent to attend is requested ***in writing via email*** by **2:00 p.m. on Tuesday, March 15, 2016** and should be directed to:

Keli McKay-Means, Project and Operations Manager
Kitsap County Public Works Solid Waste Division
kmckay-means@co.kitsap.wa.us

Photographs are allowed during the site visit. The site visit is expected to take approximately one hour. Closed-toe shoes must be worn by all attendees. Hard hats and safety vests are also **required** for all attendees and must be worn at all times while onsite at OVTS. Hard hats and safety vests should be brought to the site visit.

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PROPOSAL

KITSAP COUNTY DEPARTMENT OF PUBLIC WORKS SOLID WASTE DIVISION

OLYMPIC VIEW TRANSFER STATION (OVTS) COMMERCIAL VEHICLE AND EQUIPMENT STORAGE AREA RESURFACING PROJECT

**The Honorable Board of Commissioners
Kitsap County
614 Division Street
Port Orchard, Washington 98366**

Lady and Gentlemen:

1. Pursuant to and in compliance with your Advertisement for Bids and the other documents relating thereto, the undersigned Bidder, having familiarized themselves with the terms of the project related to those items herein bid, being aware of the local conditions affecting the performance of a Contract covering the items bid, having knowledge of the cost of the work at the place where the work is to be done, having familiarized themselves with the Contract Documents, hereby proposes and agrees to perform the work and/or to furnish the equipment, and to furnish any and all of the labor, materials, tools, expendable equipment and all utility and transportation services necessary to perform a Contract covering any or all of those items herein bid and to complete in a workmanlike manner all work covered by said Contract in connection with the Owner's Improvement Project, for an amount computed upon the basis of the quantity of work actually performed at the following bid prices:

NOTE: UNIT PRICES FOR ALL ITEMS, ALL EXTENSIONS, AND THE TOTAL AMOUNT OF BID MUST BE SHOWN. All prices shall be in legible figures (not words) written in ink or typed. The proposal shall include: A unit price for each item (omitting digits more than four places to the right of the decimal point); an extension for each unit price (omitting digits more than two places to the right of the decimal point); the total Contract price (the sum of all extensions).

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TABLE 1. PROPOSAL

NO.	QTY	UNIT	ITEM NAME AND WSDOT STANDARD ITEM NUMBER	UNIT COST	AMOUNT
1	1	LS	MOBILIZATION (0001)		\$
2	1	LS	REMOVAL OF STRUCTURE AND OBSTRUCTION (0050)		\$
3	380	LF	SAWCUT AC PAVEMENT (NS)	\$	\$
4	90	SY	REMOVING ASPHALT CONC. PAVEMENT (0120)	\$	\$
5	1,500	CY	ROADWAY EXCAVATION INCL. HAUL (0310)	\$	\$
6	48	LF	DRAIN PIPE 6 IN. DIAM. (1170)	\$	\$
7	88	LF	DUCTILE IRON STORM DRAIN PIPE 6 IN. DIAM (NS)	\$	\$
8	102	LF	DUCTILE IRON STORM DRAIN PIPE 8 IN. DIAM (NS)	\$	\$
9	3	EACH	ROOF DRAIN CLEAN OUTS (NS)	\$	\$
10	2	CY	HAND PLACED RIP RAP (1072)	\$	\$
11	1	LS	STORM POND IMPROVEMENT (NS)		\$
12	2	EACH	CATCH BASIN TYPE 1 (3091)	\$	\$
13	2	EACH	CATCH BASIN TYPE 2, 48 IN. DIAM. (3105)	\$	\$
14	1	EACH	CATCH BASIN TYPE 2, 54 IN. DIAM. WITH DEBRIS CAGE (NS)	\$	\$
15	20	LF	CORRUGATED POLYETHYLENE STORM SEWER PIPE 12 IN. DIAM. (3602)	\$	\$
16	108	LF	DUCTILE IRON STORM SEWER PIPE 12 IN. DIAM. (NS)	\$	\$
17	194	LF	NIGHT INSTALLATION OF CORRUGATED POLYETHYLENE STORM SEWER PIPE 12 IN. DIAM (NS)	\$	\$
18	2	EACH	INSTALL WATER QUALITY UNIT (NS)	\$	\$

OVTS COMMERCIAL VEHICLE AND EQUIPMENT STORAGE AREA RESURFACING PROJECT

NO.	QTY	UNIT	ITEM NAME AND WSDOT STANDARD ITEM NUMBER	UNIT COST	AMOUNT
19	820	TON	GRAVEL BASE (5047)	\$	\$
20	1,090	TON	CRUSHED SURFACING BASE COURSE (5110)	\$	\$
21	900	TON	NIGHT PAVING HMA CL ½ IN. PG 64-22 (NS)	\$	\$
22	25	DAY	ESC LEAD (6403)	\$	\$
23	590	LF	SILT FENCE (6373)	\$	\$
24	4	EACH	INLET PROTECTION (6471)	\$	\$
25	1	LS	EROSION/WATER POLLUTION CONTROL (NS)		\$
26	130	LF	PAINTED LINE (6806)	\$	\$
27	42	LF	PAINTED STOP LINE (6858)	\$	\$
28	30	EACH	TRAFFIC SAFETY DRUMS (NS)	\$	\$
29	2	EACH	ADJUST CATCH BASIN (3100)	\$	\$
30	1	LS	SHORING OR EXTRA EXCAVATION CLASS B (NS)	\$	\$
31	3	EACH	CLEAN EXISTING DRAINAGE STRUCTURE (7350)	\$	\$
32	1	EST	TRIMMING AND CLEANUP (7409)		\$ 2,500.00
33	1	CALC	MINOR CHANGE (7728)		\$ 10,000.00
34	1	LS	SPCC PLAN (7736)		\$
				SUBTOTAL	\$
				SALES TAX (8.70%)	\$
				BID TOTAL	\$

2. BIDDER SHALL INCLUDE SALES TAX IN THE TOTAL BID, in accordance with Section 1-07.2(1) and Section 1-07.2(2) of the Special Provisions.
3. The undersigned Bidder hereby proposes and agrees to commence work under this Contract, if awarded to them, in accordance with Sections 1-08.4 and 1-08.5 of the Special Provisions. They further agree to complete the Contract within **25 working days**.
4. The agreed liquidated damages to the Owner shall be in accordance with Liquidated Damages as described in the Standard Specifications, Amendments thereto and Special Provisions.
5. The Owner reserves the right to delete all or any portions of the work as outlined in the Contract Documents.
6. The required bid security in the amount of five percent (5%) of the total bid is hereto attached.
7. It is understood that the Contractor is responsible for obtaining and completing all required government forms.
8. Receipt of the following Addenda to the Contract Document is hereby acknowledged.

ADDENDUM #	DATE OF RECEIPT OF ADDENDUM	SIGNED ACKNOWLEDGMENT
1		
2		
3		
4		
5		

(Note: Failure to acknowledge receipt of the Addenda may be considered an irregularity in the proposal.)

9. Notice of Acceptance of this bid or requests for additional information should be addressed to the undersigned at the address stated below and unless otherwise notified in writing, this address shall be used by the successful Bidder during the life of the Contract for all official notices.
10. By signing the Proposal, the Bidder certifies that they have read and understand all of the Terms and Conditions of the Contract Plans, the Standard Specifications, the Amendments thereto, and these Special Provisions and agrees to comply with them.

OVTS COMMERCIAL VEHICLE AND EQUIPMENT STORAGE AREA RESURFACING PROJECT

Date: _____

Proper Name of Bidder: _____
Type or Print

By: _____
Signature

Name and Title: _____
Type or Print Name and Title of Signatory

Street Address: _____

City, State and Zip Code: _____

Phone Number with Area Code: _____

Fax Number with Area Code: _____

Mailing Address: _____
If different than above

BID BOND

KNOW ALL MEN BY THESE PRESENTS, that we, the undersigned, as Principal, and _____ as Surety, are hereby held and firmly bound unto Kitsap County Department of Public Works as Owner in the penal sum of \$ _____ for payment of which, well and truly to be made, we hereby jointly and severally bind ourselves, successors and assigns. Signed this _____ day of _____, 2016. The Condition of the above obligation is such that whereas the Principal has submitted to Kitsap County Public Works a certain BID, attached hereto and made a part hereof to enter a contract in writing, for the _____

NOW, THEREFORE,

- (a) If said BID be rejected, or
- (b) If said BID shall be accepted and the Principal shall execute and deliver a contract in the Form of Contract attachment hereto (properly completed in accordance with said BID) and shall furnish a BOND for faithful performance of said contract, and for the payment of all persons performing labor and furnishing materials in connection therewith, and shall in all other respects perform the agreement created by the acceptance of said BID, then this obligation shall be void, otherwise the same shall remain in force and effect; it being expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no event exceed the penal amount of this obligation as herein stated.

The Surety, for value received, hereby stipulates and agrees that the obligations of said Surety and its BOND shall be in no way impaired or affected by any extension of the time within the OWNER may accept such BID; and said Surety does hereby waive notice of any such extension.

IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hands and seals, and such of them as are Corporations have set their Corporation seals to be hereto affixed and these presents to be signed by their proper officers, the day and year first set forth above.

OVTS COMMERCIAL VEHICLE AND EQUIPMENT STORAGE AREA RESURFACING PROJECT

Principal

Surety

By

BIDDER RESPONSIBILITY STATEMENT

Each Bidder shall prepare and submit the following information with their bid.

By signing the signature page of the Proposal, the Bidder affirms that the following information is true and correct.

Name of Bidder: _____

Business Address: _____

A) MANDATORY BIDDER RESPONSIBILITY CRITERIA (RCW 39.04.350)

1. Washington State Contractors License Number: _____

Effective Date: _____

2. State of Washington Unified Business Identifier (UBI) No.: _____

3. Do you have industrial insurance (workers' compensation) coverage for your employees working in Washington as required by Title 51 RCW?

Yes: No: Not Applicable:

4. Washington State Employment Security Department number as required by Title 51 RCW.

Number: Not Applicable:

5. Washington State Department of Revenue state excise tax registration number as required by Title 82 RCW.

Number: Not Applicable:

6. Have you ever been disqualified from bidding on any public works contract under RCW 39.06.010 or 39.12.065(3)?

Yes: No:

B) SUPPLEMENTAL BIDDER RESPONSIBILITY CRITERIA (SPECIAL PROVISIONS SECTION 1-02.14)

1. Do you own delinquent taxes to the State of Washington Department of Revenue?

Yes: No:

2. Are you currently debarred or suspended from bidding by the Federal government?

Yes: No:

3. Does your standard subcontract form include the subcontract responsibility language required by RCW 39.06.020?

Yes: No:

4. Do you have any record of prevailing wage violations in the last 5 years as determined by the Washington State Department of Labor and Industries?

Yes: No:

5. Have you had any claims against retainage or payment bonds for public works projects in the last 3 years?

Yes: No:

6. Has your company or its owners been convicted of a crime involving bidding on a public works contract in the last 5 years?

Yes: No:

7. Has your company had any public works contract terminated for cause or terminated for default by a government agency in the last 5 years?

Yes: No:

8. Has your company had any lawsuits with judgments entered against the company in the last 5 years?

Yes: No:

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NON-COLLUSION DECLARATION FORM

Failure to return this Declaration as part of the bid proposal package will make the bid nonresponsive and ineligible for award.

NON-COLLUSION DECLARATION

I, by signing the proposal, hereby declare, under penalty of perjury under the laws of the United States that the following statements are true and correct:

1. That the undersigned person(s), firm, association or corporation has (have) not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with the project for which this proposal is submitted.
2. **That by signing the signature page of this proposal, I am deemed to have signed and to have agreed to the provisions of this declaration.**

NOTICE TO ALL BIDDERS

To report rigging activities call:

1-800-424-9071

The U.S. Department of Transportation (USDOT) operates the above toll-free "hotline" Monday through Friday, 8:00 a.m. to 5:00 p.m., eastern time. Anyone with knowledge of possible bid rigging, bidder collusion, or other fraudulent activities should use the "hotline" to report such activities.

The "hotline" is part of USDOT's continuing effort to identify and investigate highway construction contract fraud and abuse and is operated under the direction of the USDOT Inspector General. All information will be treated confidentially and caller anonymity will be respected.

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AGREEMENT

This agreement, made and entered into this _____ day of _____, 2016 between Kitsap County, through the BOARD OF COUNTY COMMISSIONERS of Kitsap County, State of Washington, hereinafter referred to as County, and _____, a general Contractor licensed by the State of Washington, for themselves, their heirs, executors, administrators, successors, and assigns, hereinafter called Contractor.

WITNESSETH:

WHEREAS, the County desires to resurface and accomplish stormwater maintenance at the Olympic View Transfer Station located in Bremerton, Washington, and

WHEREAS, the Contractor has been selected by competitive bid as the “lowest responsible bidder” as that term is defined in RCW 39.04.010:

NOW THEREFORE, the County and Contractor mutually agree as follows:

CONTRACT DOCUMENTS:

The Agreement between the parties is expressed in the Contract Documents which includes the Invitation for Bids, the accepted Proposal, the Non-Collusion Declaration, Statement of Bidders Qualifications, Bid Bond, Project Plans, Standard Specifications, Special Provisions and this Agreement.

(1) DESCRIPTION OF WORK:

This contract provides for paving and stormwater maintenance improvements at the Olympic View Transfer Station located in Bremerton, Washington. Work includes roadway excavation, embankment compaction, stormwater improvements, surfacing, paving and hot mix asphalt, erosion control, pavement marking, permanent signage, traffic safety drums and other work, all in accordance with the Contract Plans, Contract Provisions, and the 2016 Department of Transportation Standard Specifications for Road, Bridge, and Municipal Construction.

(2) BINDING EFFECT:

The covenants and conditions contained in this Agreement shall apply to and bind the parties, heirs, legal representatives and assigns of the parties.

(3) TIME IS OF THE ESSENCE:

The Contractor agrees to work promptly and fully complete the work within the limits as described in the Contract Documents. Failure to complete within the allowed time limit will subject the Contractor to the payment of liquidated damages, as described in the State of Washington Standard Specifications for Road, Bridge and Municipal Construction, in Section 1-08.9, PROSECUTION AND PROGRESS.

(4) TIME FOR COMPLETION:

The work to be performed under this Agreement shall commence in accordance with Sections 1-08.4 and 1-08.5 of the Special Provisions and shall be physically completed within **25 working days**.

(5) COMPENSATION:

The County agrees to pay the Contractor for the work described and completed according to the Contract Documents the sum of \$ _____. This sum shall include state sales tax.

(6) INDEPENDENT CONTRACTOR:

The Contractor shall perform the services under this agreement as an independent Contractor and not as an agent, employee or servant of the County. The parties agree that the Contractor is not entitled to any benefits or rights enjoyed by employees of the County. Contractor shall comply with all laws regarding workers' compensation.

(7) DISCRIMINATION AND AMERICANS WITH DISABILITIES ACT (ADA):

The Contractor agrees to comply with all provisions of the Americans with Disabilities Act and all regulations interpreting or enforcing said Act. The Contractor agrees to comply with all Federal, State and County laws and regulations in effect pertaining to non-discrimination. Violation of this section may be treated as a breach of this Agreement.

(8) LIABILITY FOR NEGLIGENCE:

The Contractor shall be liable for any additional expenses incurred by the County as a result of carelessness or negligence on the part of the Contractor, the Contractor's agents, or the Contractor's employees. The Contractor agrees that the County may deduct such additional costs on its own behalf from monies due, or to become due, to the Contractor.

(9) TERMINATION:

This contract may be terminated by the officials or agents of the County authorized to contract for or supervise the execution of such work in accordance with Section 1-08.10 of the Standard Specifications for Road, Bridge, or Municipal Construction.

(10) MODIFICATION

There shall be no modification of this agreement, except in writing, executed with the same formalities as this present instrument. Change Orders totaling less than 10% of the total contract amount may be executed by the Director of Public Works or their authorized agent. Change Orders that exceed 10% of the total Contract amount shall be valid provided they are executed by the Chair of the Board of County Commissioners or their authorized agent.

(11) HOLD HARMLESS:

The Contractor shall indemnify and hold the County and its officers and employees harmless from, and shall process and defend at its own expense, all claims, demands or suits at law or equity arising in whole or in part from the Contractor's performance of any of its obligations under this Agreement; provided that nothing herein shall require the Contractor to indemnify the County against and hold harmless the County from claims, demands, or suits based upon the sole negligence of the County, its agents, officers, and employees; and provided further that if claims or suits are caused by or result from the concurrent negligence of (a) the Contractor or Contractor's agents or employees, and (b) the County or County's agents, officers, or employees, this indemnity provision shall be valid and enforceable only to the extent of the Contractor's negligence or the negligence of the Contractor's agents or employees.

The Contractor expressly assumes potential liability for actions brought by the Contractor's own employees against the County; and, solely for the purpose of this indemnification and defense, the Contractor specifically waives any immunity under the state industrial insurance law, Title 51 RCW. The Contractor recognizes that this waiver was specifically entered into pursuant to the provisions of RCW 4.24.115 and was subject of mutual negotiation.

(12) INSURANCE REQUIREMENTS:

Section 1-07.18 of the Special Provisions shall govern this contract.

(13) VENUE AND CHOICE OF LAW:

Any action at law, suit in equity, or other judicial proceeding for the enforcement of this contract or any provisions thereof shall be instituted only in the court of the State of Washington, County of Kitsap. It is mutually understood and agreed that this contract shall be governed by the laws of the State of Washington, both as to interpretation and performance.

(14) INTEGRATION CLAUSE:

This instrument embodies the whole agreement of the parties. There are no promises, terms, conditions or obligations other than those contained herein; and this contract shall supersede all previous communications, representations or agreements, either verbal or written, between parties.

(15) CONTRACT BOND:

Payment and performance bonds for this project have been issued by _____
_____, Surety Company of _____
Street address _____ City: _____
Telephone: _____ Contact Person: _____ in the
amount of _____.

IN WITNESS WHEREOF, the said Contractor has executed this instrument, and the said Board of County Commissioners of aforesaid County pursuant to resolution duly adopted has caused this instrument to be executed by and in the name of said Board by its Chair, duly attested by its Clerk, the day and year first above written, and the seal of said Board to be hereunto affixed on the date this instrument first above written.

CONTRACTOR

**BOARD OF COUNTY COMMISSIONERS
KITSAP COUNTY, WASHINGTON**

BY: _____

EDWARD E. WOLFE, Chair

TITLE: _____

CHARLOTTE GARRIDO, Commissioner

ROBERT GELDER, Commissioner

Foregoing contract approved and ratified:

ATTEST

DANA DANIELS, Clerk of the Board

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PERFORMANCE BOND

PERFORMANCE BOND to KITSAP COUNTY, WA

Bond No. _____

The KITSAP COUNTY, Washington, (KITSAP) has awarded to _____ (Principal), a contract for the construction of the project designated as **OLYMPIC VIEW TRANSFER STATION COMMERCIAL VEHICLE AND EQUIPMENT STORAGE AREA RESURFACING PROJECT**, Project No. N/A, in BREMERTON, Washington (Contract), and said Principal is required to furnish a bond for performance of all obligations under the Contract.

The Principal, and _____ (Surety), a corporation organized under the laws of the State of _____ and licensed to do business in the State of Washington as surety and named in the current list of "Surety Companies Acceptable in Federal Bonds" as published in the Federal Register by the Audit Staff Bureau of Accounts, U.S. Treasury Dept., are jointly and severally held and firmly bound to the KITSAP COUNTY, in the sum of _____ US Dollars (\$ _____) Total Contract Amount, subject to the provisions herein.

This statutory performance bond shall become null and void, if and when the Principal, its heirs, executors, administrators, successors, or assigns shall well and faithfully perform all of the Principal's obligations under the Contract and fulfill all the terms and conditions of all duly authorized modifications, additions, and changes to said Contract that may hereafter be made, at the time and in the manner therein specified; and if such performance obligations have not been fulfilled, this bond shall remain in full force and effect.

The Surety for value received agrees that no change, extension of time, alteration or addition to the terms of the Contract, the specifications accompanying the Contract, or to the work to be performed under the Contract shall in any way affect its obligation on this bond, and waives notice of any change, extension of time, alteration or addition to the terms of the Contract or the work performed. The Surety agrees that modifications and changes to the terms and conditions of the Contract that increase the total amount to be paid the Principal shall automatically increase the obligation of the Surety on this bond and notice to Surety is not required for such increased obligation.

This bond may be executed in two (2) original counterparts, and shall be signed by the parties' duly authorized officers. This bond will only be accepted if it is accompanied by a fully executed and original power of attorney for the officer executing on behalf of the surety.

PRINCIPAL

SURETY

Principal Signature Date Surety Signature Date

Printed Name Printed Name

Title Title

Name, address, and telephone of local office/agent of Surety Company is:

Approved as to form:

Signature Title Date

08/2012



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STANDARD SPECIFICATIONS

Designed by KPFF Consulting Engineers

INTRODUCTION

The following Amendments and Special Provisions shall be used in conjunction with the 2016 Standard Specifications for Road, Bridge, and Municipal Construction.

AMENDMENTS TO THE STANDARD SPECIFICATIONS

The following Amendments to the Standard Specifications are made a part of this contract and supersede any conflicting provisions of the Standard Specifications. For informational purposes, the date following each Amendment title indicates the implementation date of the Amendment or the latest date of revision.

Each Amendment contains all current revisions to the applicable section of the Standard Specifications and may include references which do not apply to this particular project.

1-06.AP1

SECTION 1-06, CONTROL OF MATERIAL

JANUARY 4, 2016

This section is supplemented with the following new section and subsections:

1-06.6 Recycled Materials

The Contractor shall make their best effort to utilize recycled materials in the construction of the project; the use of recycled concrete aggregate as specified in Section 1-06.6(1)A is a requirement of the Contract.

The Contractor shall submit a Recycled Material Utilization Plan as a Type 1 Working Drawing within 30 calendar days after the Contract is executed. The plan shall provide the Contractor's anticipated usage of recycled materials for meeting the requirements of these Specifications. The quantity of recycled materials will be provided in tons and as a percentage of the Plan quantity for each material listed in Section 9-03.21(1)E Table on Maximum Allowable Percent (By Weight) of Recycled Material. When a Contract does not include Work that requires the use of a material that is included in the requirements for using materials the Contractor may state in their plan that no recycled materials are proposed for use.

Prior to Physical Completion the Contractor shall report the quantity of recycled materials that were utilized in the construction of the project for each of the items listed in Section 9-03.21. The report shall include hot mix asphalt, recycled concrete aggregate, recycled glass, steel furnace slag and other recycled materials (e.g. utilization of on-site material and aggregates from concrete returned to the supplier). The Contractor's report shall be provided on DOT Form 350-075 Recycled Materials Reporting.

1-06.6(1) Recycling of Aggregate and Concrete Materials

1-06.6(1)A General

The minimum quantity of recycled concrete aggregate shall be 25 percent of the total quantity of aggregate that is incorporated into the Contract for those items listed in Section 9-03.21(1)E Table on Maximum Allowable Percent (By Weight) of Recycled Material that allow the use of recycled concrete aggregate. The percentage of recycled material incorporated into the project for meeting the required percentage will be calculated in tons based on the quantity of recycled concrete used on the entire Contract and not as individual items.

If the Contractor's total cost for Work with recycled concrete aggregate is greater than without the Contractor may choose to not use recycled concrete aggregate. When the Contractor does not meet the minimum requirement of 25 percent recycled concrete aggregate for the Contract due to costs or any other reason the following shall be submitted:

1. A cost estimate for each material listed in Section 9-03.21(1)E that is utilized on the Contract. The cost estimate shall include the following:
 - a. The estimated costs for the Work for each material with 25 percent recycled concrete aggregate. The cost estimate shall include for each material a copy of the price quote from the supplier with the lowest total cost for the Work.
 - b. The estimated costs for the Work for each material without recycled concrete aggregate.

The Contractor's cost estimates shall be submitted as an attachment to the Recycled Materials Reporting form.

1-07.AP1

SECTION 1-07, LEGAL RELATIONS AND RESPONSIBILITIES TO THE PUBLIC JANUARY 4, 2016

1-07.1 LAWS TO BE OBSERVED

In the second to last sentence of the third paragraph, "WSDOT" is revised to read "Contracting Agency".

1-08.AP1

SECTION 1-08, PROSECUTION AND PROGRESS JANUARY 4, 2016

1-08.1(1) PROMPT PAYMENT, SUBCONTRACT COMPLETION AND RETURN OF RETAINAGE WITHHELD

In item number 5 of the first paragraph, "WSDOT" is revised to read "Contracting Agency".

5-02.AP5
SECTION 5-02, BITUMINOUS SURFACE TREATMENT
JANUARY 4, 2016

5-02.3(2) PREPARATION OF ROADWAY SURFACE

This section is supplemented with the following new subsection:

5-02.3(2)E Crack Sealing

Where shown in the Plans, seal cracks and joints in the pavement in accordance with Section 5-04.3(5)C.

5-04.AP5
SECTION 5-04, HOT MIX ASPHALT
JANUARY 4, 2016

5-04.2 MATERIALS

The first paragraph is supplemented with the following new items:

Hot Poured Sealant	9-04.2(1)A
Sand Slurry	9-04.2(1)B

This section is supplemented with the following new paragraph:

The requirements of Section 1-06.6 do not apply to the portland cement and fine aggregate used in sand slurry.

5-04.3(5)C CRACK SEALING

This section's content is deleted and replaced with the following new subsections:

5-04.3(5)C1 General

When the Proposal includes a pay item for crack sealing, all cracks and joints ¼ inch in width and greater shall be sealed. Cracks and joints shall be thoroughly clean, dry and free of all loose and foreign material when filled with crack sealant material. Immediately prior to filling a crack or joint with the sealant material a hot air lance shall be used to dry and warm the pavement surfaces within the crack or joint. Pavement shall not be overheated and direct flame dryers shall not be used. Routing cracks and joints is not required.

Where cracks and joints are to be filled with sand slurry thoroughly mix the components and pour the mixture into the cracks and joints until full. Additional CSS-1 emulsified asphalt may be added to the sand slurry as needed for the mixture to be workable to completely fill the crack or joint. Strike off the sand slurry flush with the existing pavement surface and allow the mixture to cure. Cracks or joints that were not completely filled shall be topped off with additional sand slurry. Do not place the HMA overlay until the slurry has fully cured.

Where cracks and joints are to be filled with hot poured sealant the material shall be applied in accordance with these requirements and the manufacturer's recommendations. The manufacturer's recommendations shall be furnished to the Engineer prior to the start of work and shall include recommended heating time and temperatures, allowable storage time and

temperatures after initial heating, allowable reheating criteria, and application temperature range.

Crack sealing with hot poured sealants shall be controlled to confine the material within the crack or joint. Any overflow of sealant shall be cleaned from the pavement surface. If, in the opinion of the Engineer, the Contractor's method of sealing the cracks and joints with hot poured sealant results in an excessive amount of material on the pavement surface, the operation shall be stopped and corrected to eliminate the excess material.

5-04.3(5)C2 Crack Sealing Areas Prior to Paving

In areas where HMA will be placed the cracks and joints shall be filled with sand slurry.

5-04.3(5)C3 Crack Sealing Areas Not to be Paved

In areas where HMA will not be placed the cracks and joints shall be filled as follows:

1. Cracks $\frac{1}{4}$ inch to 1 inch in width shall be filled with hot poured sealant.
2. Cracks and joints greater than 1 inch in width shall be filled with sand slurry.

5-04.3(5)C4 Crack Sealing Areas Prior to a Bituminous Surface Treatment

In areas where a BST will be placed the cracks and joints shall be filled per Section 5-04.3(5)C3.

5-04.4 MEASUREMENT

The following new paragraph is inserted after the third paragraph:

Crack Sealing-LF will be measured by the linear foot along the line of the crack.

5-04.5 PAYMENT

The Bid item "Crack Sealing" is revised to read "Crack Sealing-FA".

The following is inserted after the paragraph following the Bid item "Crack Sealing-FA", by force account (after the preceding Amendment is applied):

"Crack Sealing-LF", per linear foot.

The unit Contract price per linear foot for "Crack Sealing-LF" shall be full payment for all costs incurred to perform the Work described in Section 5-04.3(5)C.

6-02.AP6

SECTION 6-02, CONCRETE STRUCTURES

JANUARY 4, 2016

6-02.3(2)A1 CONTRACTOR MIX DESIGN FOR CONCRETE CLASS 4000D

The following new sentence is inserted after the second sentence of the last paragraph:

Mix designs using shrinkage reducing admixture shall state the specific quantity required.

The following new sentence is inserted before the last sentence of the last paragraph:

Testing samples of mixes using shrinkage reducing admixture shall use the admixture amount specified in the mix design submittal.

6-02.3(26)D2 TEST BLOCK DIMENSIONS

The first sentence is revised to read:

The dimensions of the test block perpendicular to the tendon in each direction shall be the smaller of twice the minimum edge distance or the minimum spacing specified by the special anchorage device manufacturer, with the stipulation that the concrete cover over any confining reinforcing steel or supplementary skin reinforcement shall be appropriate for the project-specific application and circumstances.

6-14.AP6

SECTION 6-14, GEOSYNTHETIC RETAINING WALLS

JANUARY 4, 2016

6-14.5 PAYMENT

The bid item "Concrete Fascia Panel", per square foot, and the paragraph following this bid item are revised to read:

"Concrete Fascia Panel For Geosynthetic Wall", per square foot.

All costs in connection with constructing the concrete fascia panels as specified shall be included in the unit Contract price per square foot for "Concrete Fascia Panel For Geosynthetic Wall", including all steel reinforcing bars, premolded joint filler, polyethylene bond breaker strip, joint sealant, PVC pipe for weep holes, exterior surface finish, and pigmented sealer (when specified), constructing and placing the concrete footing, edge beam, anchor beam, anchor rod assembly, and backfill.

6-19.AP6

SECTION 6-19, SHAFTS

JANUARY 4, 2016

6-19.4 MEASUREMENT

The first paragraph is revised to read:

Soil excavation for shaft, including haul, will be measured by the cubic yards of shaft excavated. The cubic yards will be computed using the shaft diameter, top of shaft elevation and bottom of shaft elevation shown in the Plans, less all rock excavation measured as specified for rock excavation. Excavation between the existing ground line and the top of shaft elevation is considered incidental to soil excavation for shaft and will not be measured.

The second paragraph is deleted.

6-19.5 PAYMENT

The paragraph following the bid item "Soil Excavation For Shaft Including Haul", per cubic yard is revised to read:

The unit Contract price per cubic yard for "Soil Excavation For Shaft Including Haul" shall be full pay for performing the work as specified, including all costs in connection with furnishing,

mixing, placing, maintaining, containing, collecting, and disposing of all mineral, synthetic, and water slurry, and disposing of groundwater collected by the shaft excavation, and the incidental excavation of soils between the top of shaft elevation shown in the Plans and the existing ground line.

8-01.AP8

SECTION 8-01, EROSION CONTROL AND WATER POLLUTION CONTROL JANUARY 4, 2016

8-01.2 MATERIALS

This section is supplemented with the following new paragraph:

Recycled concrete, in any form, shall not be used for any Work defined in Section 8-01.

8-10.AP8

SECTION 8-10, GUIDE POSTS JANUARY 4, 2016

8-10.3 CONSTRUCTION REQUIREMENTS

The last sentence of the second paragraph is deleted.

8-22.AP8

SECTION 8-22, PAVEMENT MARKING JANUARY 4, 2016

8-22.4 MEASUREMENT

The first two sentences of the fourth paragraph are revised to read:

The measurement for "Painted Wide Lane Line", "Plastic Wide Lane Line", "Profiled Plastic Wide Lane Line", "Painted Barrier Center Line", "Plastic Barrier Center Line", "Painted Stop Line", "Plastic Stop Line", "Painted Wide Dotted Entry Line", or "Plastic Wide Dotted Entry Line" will be based on the total length of each painted, plastic or profiled plastic line installed. No deduction will be made for the unmarked area when the marking includes a broken line such as, wide broken lane line, drop lane line, wide dotted lane line or wide dotted entry line.

8-22.5 PAYMENT

The following two new Bid items are inserted after the Bid item "Plastic Crosshatch Marking", per linear foot:

"Painted Wide Dotted Entry Line", per linear foot.

"Plastic Wide Dotted Entry Line", per linear foot.

9-03.AP9
SECTION 9-03, AGGREGATES
JANUARY 4, 2016

9-03.21(1)B CONCRETE RUBBLE

This section, including title, is revised to read:

9-03.21(1)B Recycled Concrete Aggregate

Recycled concrete aggregates are coarse and fine aggregates manufactured from hardened concrete mixtures.

Recycled concrete, in any form, shall not be placed below the ordinary high water mark of any water of the State.

9-04.AP9
SECTION 9-04, JOINT AND CRACK SEALING MATERIALS
JANUARY 4, 2016

9-04.2(1) HOT POURED JOINT SEALANTS

This section's content is deleted and replaced with the following new subsections:

9-04.2(1)A Hot Poured Sealant

Hot poured sealant shall be sampled in accordance with ASTM D5167 and tested in accordance with ASTM D5329. Hot poured sealant shall have a minimum Cleveland Open Cup Flash Point of 205°C in accordance with AASHTO T 48.

9-04.2(1)A1 Hot Poured Sealant for Cement Concrete Pavement

Hot poured sealant for cement concrete pavement shall meet the requirements of ASTM D6690 Type IV, except for the following:

1. The Cone Penetration at 25°C shall be 130 maximum.
2. The extension for the Bond, non-immersed, shall be 100 percent.

9-04.2(1)A2 Hot Poured Sealant for Bituminous Pavement

Hot poured sealant for bituminous pavement shall meet the requirements of ASTM D6690 Type II.

9-04.2(1)B Sand Slurry for Bituminous Pavement

Sand slurry is mixture consisting of the following components measured by total weight:

1. Twenty percent CSS-1 emulsified asphalt,
2. Two percent portland cement, and
3. Seventy-eight percent fine aggregate meeting the requirements of 9-03.1(2)B Class 2. Fine aggregate may be damp (no free water).

9-07.AP9
SECTION 9-07, REINFORCING STEEL
JANUARY 4, 2016

9-07.1(1)A ACCEPTANCE OF MATERIALS

The first sentence of the first paragraph is revised to read:

Reinforcing steel rebar manufacturers shall comply with the National Transportation Product Evaluation Program (NTPEP) Work Plan for Reinforcing Steel (rebar) Manufacturers.

The first sentence of the second paragraph is revised to read:

Steel reinforcing bar manufacturers use either English or a Metric size designation while stamping rebar.

SPECIAL PROVISIONS

Introduction to the Special Provisions

(August 14, 2013 APWA GSP)

The work on this project shall be accomplished in accordance with the Standard Specifications for Road, Bridge and Municipal Construction, 2016 edition, as issued by the Washington State Department of Transportation (WSDOT) and the American Public Works Association (APWA), Washington State Chapter (hereafter “Standard Specifications”). The Standard Specifications, as modified or supplemented by the Amendments to the Standard Specifications and these Special Provisions, all of which are made a part of the Contract Documents, shall govern all of the Work.

These Special Provisions are made up of both General Special Provisions (GSPs) from various sources, which may have project-specific fill-ins; and project-specific Special Provisions. Each Provision either supplements, modifies, or replaces the comparable Standard Specification, or is a new Provision. The deletion, amendment, alteration, or addition to any subsection or portion of the Standard Specifications is meant to pertain only to that particular portion of the section, and in no way should it be interpreted that the balance of the section does not apply.

The project-specific Special Provisions are not labeled as such. The GSPs are labeled under the headers of each GSP, with the effective date of the GSP and its source. For example:

(March 8, 2013 APWA GSP)
(April 1, 2013 WSDOT GSP)

Also incorporated into the Contract Documents by reference are:

- Manual on Uniform Traffic Control Devices for Streets and Highways, currently adopted edition, with Washington State modifications, if any
- Standard Plans for Road, Bridge and Municipal Construction, WSDOT/APWA, current edition

Contractor shall obtain copies of these publications, at Contractor’s own expense.

DIVISION 1 GENERAL REQUIREMENTS

Description of Work

(March 13, 1995 WSDOT GSP)

This contract provides for paving and stormwater maintenance improvements at the Olympic View Transfer Station (OVTS) located in Bremerton, Washington. Work includes roadway excavation, embankment compaction, stormwater improvements, surfacing, paving with hot mix asphalt, erosion control, pavement marking, traffic safety drums and other work, all in accordance with the Contract Plans, Contract Provisions, and the 2016 Department of Transportation Standard Specifications for Road, Bridge, and Municipal Construction.

1-01 Definitions and Terms

1-01.3 Definitions

(January 4, 2016 APWA GSP)

Delete the heading **Completion Dates** and the three paragraphs that follow it, and replace them with the following:

Dates

Bid Opening Date

The date on which the Contracting Agency publicly opens and reads the Bids.

Award Date

The date of the formal decision of the Contracting Agency to accept the lowest responsible and responsive Bidder for the Work.

Contract Execution Date

The date the Contracting Agency officially binds the Agency to the Contract.

Notice to Proceed Date

The date stated in the Notice to Proceed on which the Contract time begins.

Substantial Completion Date

The day the Engineer determines the Contracting Agency has full and unrestricted use and benefit of the facilities, both from the operational and safety standpoint, any remaining traffic disruptions will be rare and brief, and only minor incidental work, replacement of temporary substitute facilities, plant establishment periods, or correction or repair remains for the Physical Completion of the total Contract.

Physical Completion Date

The day all of the Work is physically completed on the project. All documentation required by the Contract and required by law does not necessarily need to be furnished by the Contractor by this date.

Completion Date

The day all the Work specified in the Contract is completed and all the obligations of the Contractor under the contract are fulfilled by the Contractor. All documentation required by the Contract and required by law must be furnished by the Contractor before establishment of this date.

Final Acceptance Date

The date on which the Contracting Agency accepts the Work as complete.

Supplement this Section with the following:

All references in the Standard Specifications, Amendments, or WSDOT General Special Provisions, to the terms “Department of Transportation”, “Washington State Transportation Commission”, “Commission”, “Secretary of Transportation”, “Secretary”, “Headquarters”, and “State Treasurer” shall be revised to read “Contracting Agency”.

All references to the terms “State” or “state” shall be revised to read “Contracting Agency” unless the reference is to an administrative agency of the State of Washington, a State statute or regulation, or the context reasonably indicates otherwise.

All references to “State Materials Laboratory” shall be revised to read “Contracting Agency designated location”.

All references to “final contract voucher certification” shall be interpreted to mean the Contracting Agency form(s) by which final payment is authorized, and final completion and acceptance granted.

Additive

A supplemental unit of work or group of bid items, identified separately in the Bid Proposal, which may, at the discretion of the Contracting Agency, be awarded in addition to the base bid.

Alternate

One of two or more units of work or groups of bid items, identified separately in the Bid Proposal, from which the Contracting Agency may make a choice between different methods or material of construction for performing the same work.

Business Day

A business day is any day from Monday through Friday except holidays as listed in Section 1-08.5.

Contract Bond

The definition in the Standard Specifications for "Contract Bond" applies to whatever bond form(s) are required by the Contract Documents, which may be a combination of a Payment Bond and a Performance Bond.

Contract Documents

See definition for "Contract".

Contract Time

The period of time established by the terms and conditions of the Contract within which the Work must be physically completed.

Notice of Award

The written notice from the Contracting Agency to the successful Bidder signifying the Contracting Agency's acceptance of the Bid Proposal.

Notice to Proceed

The written notice from the Contracting Agency or Engineer to the Contractor authorizing and directing the Contractor to proceed with the Work and establishing the date on which the Contract time begins.

Traffic

Both vehicular and non-vehicular traffic, such as pedestrians, bicyclists, wheelchairs, and equestrian traffic.

1-02 Bid Procedures and Conditions**1-02.1 Prequalification of Bidders**

Delete this section and replace it with the following:

1-02.1 Qualifications of Bidder

(January 24, 2011 APWA GSP)

Before award of a public works contract, a Bidder must meet at least the minimum qualifications of RCW 39.04.350(1) to be considered a responsible Bidder and qualified to be awarded a public works project.

1-02.2 Plans and Specifications

(June 27, 2011 APWA GSP)

Delete this section and replace it with the following:

Information as to where Bid Documents can be obtained or reviewed can be found in the Call for Bids (Advertisement for Bids) for the work.

After award of the contract, plans and specifications will be issued to the Contractor at no cost as detailed below:

To Prime Contractor	No. of Sets	Basis of Distribution
Reduced plans (11" x 17")	5	Furnished automatically upon award.
Contract Provisions	5	Furnished automatically upon award.
Large plans (e.g., 22" x 34")	5	Furnished only upon request.

Additional plans and Contract Provisions may be obtained by the Contractor from the source state in the Call for Bids, at the Contractor's own expense.

1-02.4 Examination of Plans, Specifications and Site of Work

1-02.4(2) Subsurface Information

Supplement this section with the following:

(March 8, 2013 APWA GSP)

The second sentence in the first paragraph is revised to read:

The Summary of Geotechnical Conditions and the boring logs, if and when included as an appendix to the Special Provisions, shall be considered as part of the Contract.

Supplement the preceding section with the following:

The geotechnical report for this project is attached to these Contract Provisions.

1-02.5 Proposal Forms

(June 27, 2011 APWA GSP)

Delete this section and replace it with the following:

The Proposal Form will identify the project and its location and describe the work. It will also list estimated quantities, units of measurement, the items of work, and the materials to be furnished at the unit bid prices. The bidder shall complete spaces on the proposal form that call for, but are not limited to, unit prices; extensions; summations; the total bid amount; signatures; date; and, where applicable, retail sales taxes and acknowledgment of addenda; the bidder's name, address, telephone number, and signature; the Bidder's D/M/WBE commitment, if applicable; a State of Washington Contractor's Registration Number; and a Business License Number, if applicable. Bids shall be completed by typing or shall

be printed in ink by hand, preferably in black ink. The required certifications are included as part of the Proposal Form.

The Contracting Agency reserves the right to arrange the proposal forms with alternates and additives, if such be to the advantage of the Contracting Agency. The Bidder shall bid on all alternates and additives set forth in the Proposal Form unless otherwise specified.

1-02.6 Preparation of Proposal
(August 2, 2004 WSDOT GSP)

The fifth and sixth paragraphs of Section 1-02.6 are deleted.

(June 27, 2011 APWA GSP)

Supplement the second paragraph with the following:

1. If a minimum bid amount has been established for any item, the unit or lump sum price must equal or exceed the minimum amount stated.
2. Any correction to a bid made by interlineation, alteration, or erasure, shall be initialed by the signer of the bid.

Delete the last paragraph, and replace it with the following:

The Bidder shall make no stipulation on the Bid Form, nor qualify the bid in any manner.

A bid by a corporation shall be executed in the corporate name, by the president or a vice president (or other corporate officer accompanied by evidence of authority to sign).

A bid by a partnership shall be executed in the partnership name, and signed by a partner. A copy of the partnership agreement shall be submitted with the Bid Form if any D/M/WBE requirements are to be satisfied through such an agreement.

A bid by a joint venture shall be executed in the joint venture name and signed by a member of the joint venture. A copy of the joint venture agreement shall be submitted with the Bid Form if any D/W/MBE requirements are to be satisfied through such an agreement.

1-02.7 Bid Deposit
(March 8, 2013 APWA GSP)

Supplement this section with the following:

Bid bonds shall contain the following:

1. Contracting Agency-assigned number for the project;
2. Name of the project;
3. The Contracting Agency named as obligee;
4. The amount of the bid bond stated either as a dollar figure or as a percentage which represents five percent of the maximum bid amount that could be awarded;
5. Signature of the bidder's officer empowered to sign official statements. The signature of the person authorized to submit the bid should agree with the signature on the bond, and the title of the person must accompany the said signature;
6. The signature of the surety's officer empowered to sign the bond and the power of attorney.

If so stated in the Contract Provisions, bidder must use the bond form included in the Contract Provisions.

If so stated in the Contract Provisions, cash will not be accepted for a bid deposit.

Supplement the preceding section with the following:

Bidders shall use the Bid Bond form included with these Contract Provisions.

A bid deposit in the form of cash or check will not be accepted.

1-02.9 Delivery of Proposal

(August 15, 2012 APWA GSP, Option A)

Delete this section and replace it with the following:

Each proposal shall be submitted in a sealed envelope, with the Project Name and Project Number as stated in the Call for Bids clearly marked on the outside of the envelope, or as otherwise required in the Bid Documents, to ensure proper handling and delivery.

If the project has FHWA funding and requires DBE Written Confirmation Documents or Good Faith Effort Documentation, then to be considered responsive, the Bidder shall submit with their Bid Proposal, written Confirmation Documentation from each DBE firm listed on the Bidder's completed DBE Utilization Certification, form 272-056A EF, as required by Section 1-02.6.

The Contracting Agency will not open or consider any Bid Proposal that is received after the time specified in the Call for Bids for receipt of Bid Proposals, or received in a location other than that specified in the Call for Bids.

1-02.10 Withdrawing, Revising, or Supplementing Proposal
(July 23, 2015 APWA GSP)

Delete this section, and replace it with the following:

After submitting a physical Bid Proposal to the Contracting Agency, the Bidder may withdraw, revise, or supplement it if:

1. The Bidder submits a written request signed by an authorized person and physically delivers it to the place designated for receipt of Bid Proposals, and
2. The Contracting Agency receives the request before the time set for receipt of Bid Proposals, and
3. The revised or supplemented Bid Proposal (if any) is received by the Contracting Agency before the time set for receipt of Bid Proposals.

If the Bidder's request to withdraw, revise, or supplement its Bid Proposal is received before the time set for receipt of Bid Proposals, the Contracting Agency will return the unopened Proposal package to the Bidder. The Bidder must then submit the revised or supplemented package in its entirety. If the Bidder does not submit a revised or supplemented package, then its bid shall be considered withdrawn.

Late revised or supplemented Bid Proposals or late withdrawal requests will be date recorded by the Contracting Agency and returned unopened. Mailed, emailed, or faxed requests to withdraw, revise, or supplement a Bid Proposal are not acceptable

1-02.12 Public Opening of Proposals

Supplement this section with the following:

Date of Opening Bids

The bid opening date for this project shall be Thursday, March 24, 2016. The bids will be publicly opened and read after 3:00 PM on this date in the Port Madison Conference Room, 4th Floor Administration Building, located at the address shown below. Sealed bids shall be received at or before the specified time at:

Kitsap County Administration Building
Kitsap County Purchasing Office – 4th Floor
619 Division Street
Port Orchard, Washington 98366

Bids delivered in person or by private carrier (UPS, FEDEX, etc.) shall be addressed and delivered to the above location. Bids delivered by US Postal Service shall be addressed to:

Colby Watling, Buyer
Kitsap County Purchasing Office
614 Division Street, MS-7
Port Orchard, WA 98366

Bidders are advised that bids not delivered in person may be subject to delay or loss. It is the bidder's sole responsibility to ensure timely delivery of their bid to the place of bid opening. Bids not received at the place of bid opening at or before the appointed time will not be considered, and shall be returned unopened to the bidder.

Additional plans and Contract Provisions may be obtained by the Contractor from the source stated in the Call for Bids, at the Contractor's own expense.

1-02.13 Irregular Proposals
(January 4, 2016 APWA GSP)

Delete this section and replace it with the following:

1. A proposal will be considered irregular and will be rejected if:
 - a. The Bidder is not prequalified when so required;
 - b. The authorized proposal form furnished by the Contracting Agency is not used or is altered;
 - c. The completed proposal form contains any unauthorized additions, deletions, alternate Bids, or conditions;
 - d. The Bidder adds provisions reserving the right to reject or accept the award, or enter into the Contract;
 - e. A price per unit cannot be determined from the Bid Proposal;
 - f. The Proposal form is not properly executed;
 - g. The Bidder fails to submit or properly complete a Subcontractor list, if applicable, as required in Section 1-02.6;
 - h. The Bidder fails to submit or properly complete a Disadvantaged Business Enterprise Certification, if applicable, as required in Section 1-02.6;

- i. The Bidder fails to submit written confirmation from each DBE firm listed on the Bidder's completed DBE Utilization Certification that they are in agreement with the bidders DBE participation commitment, if applicable, as required in Section 1-02.6, or if the written confirmation that is submitted fails to meet the requirements of the Special Provisions;
 - j. The Bidder fails to submit DBE Good Faith Effort documentation, if applicable, as required in Section 1-02.6, or if the documentation that is submitted fails to demonstrate that a Good Faith Effort to meet the Condition of Award was made;
 - k. The Bid Proposal does not constitute a definite and unqualified offer to meet the material terms of the Bid invitation; or
 - l. More than one proposal is submitted for the same project from a Bidder under the same or different names.
2. A Proposal may be considered irregular and may be rejected if:
- a. The Proposal does not include a unit price for every Bid item;
 - b. Any of the unit prices are excessively unbalanced (either above or below the amount of a reasonable Bid) to the potential detriment of the Contracting Agency;
 - c. Receipt of Addenda is not acknowledged;
 - d. A member of a joint venture or partnership and the joint venture or partnership submit Proposals for the same project (in such an instance, both Bids may be rejected); or
 - e. If Proposal form entries are not made in ink.

1-02.14 Disqualification of Bidders
(March 8, 2013 APWA GSP, Option C)

Delete this section and replace it with the following:

A Bidder will be deemed not responsible if the Bidder does not meet the mandatory bidder responsibility criteria in RCW 39.04.350(1), as amended; or does not meet the following Supplemental Criteria:

1. **Delinquent State Taxes**

- A. Criterion: The Bidder shall not owe delinquent taxes to the Washington State Department of Revenue without a payment plan approved by the Department of Revenue.
- B. Documentation: The Bidder shall not be listed on the Washington State Department of Revenue's "Delinquent Taxpayer List" website: <http://dor.wa.gov/content/fileandpaytaxes/latefiling/dtlwest.aspx> , or if they are so listed, they must submit a written payment plan approved by the Department of Revenue, to the Contracting Agency by the deadline listed below.

2. **Federal Debarment**

- A. Criterion: The Bidder shall not currently be debarred or suspended by the Federal government.
- B. Documentation: The Bidder shall not be listed as having an "active exclusion" on the U.S. government's "System for Award Management" database (www.sam.gov).

3. **Subcontractor Responsibility**

- A. Criterion: The Bidder's standard subcontract form shall include the subcontractor responsibility language required by RCW 39.06.020, and the Bidder shall have an established procedure which it utilizes to validate the responsibility of each of its subcontractors. The Bidder's subcontract form shall also include a requirement that each of its subcontractors shall have and document a similar procedure to determine whether the sub-tier subcontractors with whom it contracts are also "responsible" subcontractors as defined by RCW 39.06.020.
- B. Documentation: The Bidder, if and when required as detailed below, shall submit a copy of its standard subcontract form for review by the Contracting Agency, and a written description of its procedure for validating the responsibility of subcontractors with which it contracts.

4. **Prevailing Wages**

- A. Criterion: The Bidder shall not have a record of prevailing wage violations as determined by WA Labor & Industries in the five years prior to the bid submittal date, that demonstrates a pattern of failing to pay workers prevailing wages, unless there are extenuating circumstances and such circumstances are deemed acceptable to the Contracting Agency.

B. Documentation: The Bidder, if and when required as detailed below, shall submit a list of all prevailing wage violations in the five years prior to the bid submittal date, along with an explanation of each violation and how it was resolved. The Contracting Agency will evaluate these explanations and the resolution of each complaint to determine whether the violation demonstrate a pattern of failing to pay its workers prevailing wages as required.

5. **Claims Against Retainage and Bonds**

A. Criterion: The Bidder shall not have a record of excessive claims filed against the retainage or payment bonds for public works projects in the three years prior to the bid submittal date, that demonstrate a lack of effective management by the Bidder of making timely and appropriate payments to its subcontractors, suppliers, and workers, unless there are extenuating circumstances and such circumstances are deemed acceptable to the Contracting Agency.

B. Documentation: The Bidder, if and when required as detailed below, shall submit a list of the public works projects completed in the three years prior to the bid submittal date that have had claims against retainage and bonds and include for each project the following information:

- Name of project
- The owner and contact information for the owner;
- A list of claims filed against the retainage and/or payment bond for any of the projects listed;
- A written explanation of the circumstances surrounding each claim and the ultimate resolution of the claim.

6. **Public Bidding Crime**

A. Criterion: The Bidder and/or its owners shall not have been convicted of a crime involving bidding on a public works contract in the five years prior to the bid submittal date.

B. Documentation: The Bidder, if and when required as detailed below, shall sign a statement (on a form to be provided by the Contracting Agency) that the Bidder and/or its owners have not been convicted of a crime involving bidding on a public works contract.

7. **Termination for Cause / Termination for Default**

A. Criterion: The Bidder shall not have had any public works contract terminated for cause or terminated for default by a government agency in the five years prior to the bid submittal date, unless there are extenuating

circumstances and such circumstances are deemed acceptable to the Contracting Agency.

- B. Documentation: The Bidder, if and when required as detailed below, shall sign a statement (on a form to be provided by the Contracting Agency) that the Bidder has not had any public works contract terminated for cause or terminated for default by a government agency in the five years prior to the bid submittal date; or if Bidder was terminated, describe the circumstances.

8. Lawsuits

- A. Criterion: The Bidder shall not have lawsuits with judgments entered against the Bidder in the five years prior to the bid submittal date that demonstrate a pattern of failing to meet the terms of contracts, unless there are extenuating circumstances and such circumstances are deemed acceptable to the Contracting Agency.
- B. Documentation: The Bidder, if and when required as detailed below, shall sign a statement (on a form to be provided by the Contracting Agency) that the Bidder has not had any lawsuits with judgments entered against the Bidder in the five years prior to the bid submittal date that demonstrate a pattern of failing to meet the terms of contracts, or shall submit a list of all lawsuits with judgments entered against the Bidder in the five years prior to the bid submittal date, along with a written explanation of the circumstances surrounding each such lawsuit. The Contracting Agency shall evaluate these explanations to determine whether the lawsuits demonstrate a pattern of failing to meet of terms of construction related contracts.

As evidence that the Bidder meets the mandatory and supplemental responsibility criteria stated above, the apparent two lowest Bidders must submit to the Contracting Agency by 12:00 P.M. (noon) of the second business day following the bid submittal deadline, a written statement verifying that the Bidder meets all of the mandatory and supplemental criteria together with supporting documentation including but not limited to that detailed above (sufficient in the sole judgment of the Contracting Agency) demonstrating compliance with all mandatory and supplemental responsibility criteria. The Contracting Agency reserves the right to request such documentation from other Bidders as well, and to request further documentation as needed to assess Bidder responsibility. The Contracting Agency also reserves the right to obtain information from third-parties and independent sources of information concerning a Bidder's compliance with the mandatory and supplemental criteria, and to use that information in their evaluation. The Contracting Agency may (but is not required to) consider mitigating factors in determining whether the Bidder complies with the requirements of the supplemental criteria.

The basis for evaluation of Bidder compliance with these mandatory and supplemental criteria shall include any documents or facts obtained by Contracting

Agency (whether from the Bidder or third parties) including but not limited to: (i) financial, historical, or operational data from the Bidder; (ii) information obtained directly by the Contracting Agency from others for whom the Bidder has worked, or other public agencies or private enterprises; and (iii) any additional information obtained by the Contracting Agency which is believed to be relevant to the matter.

If the Contracting Agency determines the Bidder does not meet the bidder responsibility criteria above and is therefore not a responsible Bidder, the Contracting Agency shall notify the Bidder in writing, with the reasons for its determination. If the Bidder disagrees with this determination, it may appeal the determination within two (2) business days of the Contracting Agency's determination by presenting its appeal and any additional information to the Contracting Agency. The Contracting Agency will consider the appeal and any additional information before issuing its final determination. If the final determination affirms that the Bidder is not responsible, the Contracting Agency will not execute a contract with any other Bidder until at least two business days after the Bidder determined to be not responsible has received the Contracting Agency's final determination.

Request to Change Supplemental Bidder Responsibility Criteria Prior To Bid: Bidders with concerns about the relevancy or restrictiveness of the Supplemental Bidder Responsibility Criteria may make or submit requests to the Contracting Agency to modify the criteria. Such requests shall be in writing, describe the nature of the concerns, and propose specific modifications to the criteria. Bidders shall submit such requests to the Contracting Agency no later than five (5) business days prior to the bid submittal deadline and address the request to the Project Engineer or such other person designated by the Contracting Agency in the Bid Documents.

1-02.15 Pre Award Information

(August 14, 2013 APWA GSP)

Revise this section to read:

Before awarding any contract, the Contracting Agency may require one or more of these items or actions of the apparent lowest responsible bidder:

1. A complete statement of the origin, composition, and manufacture of any or all materials to be used,
2. Samples of these materials for quality and fitness tests,
3. A progress schedule (in a form the Contracting Agency requires) showing the order of and time required for the various phases of the work,
4. A breakdown of costs assigned to any bid item,

5. Attendance at a conference with the Engineer or representatives of the Engineer,
6. Obtain, and furnish a copy of, a business license to do business in the city or county where the work is located.
7. Any other information or action taken that is deemed necessary to ensure that the bidder is the lowest responsible bidder.

1-03 Award and Execution of Contract

1-03.1 Consideration of Bids

(January 23, 2006 APWA GSP)

Revise the first paragraph to read:

After opening and reading proposals, the Contracting Agency will check them for correctness of extensions of the prices per unit and the total price. If a discrepancy exists between the price per unit and the extended amount of any bid item, the price per unit will control. If a minimum bid amount has been established for any item and the bidder's unit or lump sum price is less than the minimum specified amount, the Contracting Agency will unilaterally revise the unit or lump sum price, to the minimum specified amount and recalculate the extension. The total of extensions, corrected where necessary, including sales taxes where applicable and such additives and/or alternates as selected by the Contracting Agency, will be used by the Contracting Agency for award purposes and to fix the Awarded Contract Price amount and the amount of the contract bond.

1-03.3 Execution of Contract

(October 1, 2005 APWA GSP)

Revise this section to read:

Copies of the Contract Provisions, including the unsigned Form of Contract, will be available for signature by the successful bidder on the first business day following award. The number of copies to be executed by the Contractor will be determined by the Contracting Agency.

Within 10 calendar days after the award date, the successful bidder shall return the signed Contracting Agency-prepared contract, an insurance certification as required by Section 1-07.18, and a satisfactory bond as required by law and Section 1-03.4. Before execution of the contract by the Contracting Agency, the successful bidder shall provide any pre-award information the Contracting Agency may require under Section 1-02.15.

Until the Contracting Agency executes a contract, no proposal shall bind the Contracting Agency nor shall any work begin within the project limits or within Contracting Agency-furnished sites. The Contractor shall bear all risks for any work begun outside such areas and for any materials ordered before the contract is executed by the Contracting Agency.

If the bidder experiences circumstances beyond their control that prevents return of the contract documents within the calendar days after the award date stated above, the Contracting Agency may grant up to a maximum of 10 additional calendar days for return of the documents, provided the Contracting Agency deems the circumstances warrant it.

1-03.4 Contract Bond

(July 23, 2015 APWA GSP)

Delete the first paragraph and replace it with the following:

The successful bidder shall provide executed payment and performance bond(s) for the full contract amount. The bond may be a combined payment and performance bond; or be separate payment and performance bonds. In the case of separate payment and performance bonds, each shall be for the full contract amount. The bond(s) shall:

1. Be on Contracting Agency-furnished form(s);
2. Be signed by an approved surety (or sureties) that:
 - a. Is registered with the Washington State Insurance Commissioner, and
 - b. Appears on the current Authorized Insurance List in the State of Washington published by the Office of the Insurance Commissioner,
3. Guarantee that the Contractor will perform and comply with all obligations, duties, and conditions under the Contract, including but not limited to the duty and obligation to indemnify, defend, and protect the Contracting Agency against all losses and claims related directly or indirectly from any failure:
 - a. Of the Contractor (or any of the employees, subcontractors, or lower tier subcontractors of the Contractor) to faithfully perform and comply with all contract obligations, conditions, and duties, or
 - b. Of the Contractor (or the subcontractors or lower tier subcontractors of the Contractor) to pay all laborers, mechanics, subcontractors, lower tier subcontractors, material person, or any other person who provides supplies or provisions for carrying out the work;

4. Be conditioned upon the payment of taxes, increases, and penalties incurred on the project under titles 50, 51, and 82 RCW; and
5. Be accompanied by a power of attorney for the Surety's officer empowered to sign the bond; and
6. Be signed by an officer of the Contractor empowered to sign official statements (sole proprietor or partner). If the Contractor is a corporation, the bond(s) must be signed by the president or vice president, unless accompanied by written proof of the authority of the individual signing the bond(s) to bind the corporation (i.e., corporate resolution, power of attorney, or a letter to such effect signed by the president or vice president).

1-03.7 Judicial Review

(July 23, 2015 APWA GSP)

Revise this section to read:

Any decision made by the Contracting Agency regarding the Award and execution of the Contract or Bid rejection shall be conclusive subject to the scope of judicial review permitted under Washington Law. Such review, if any, shall be timely filed in the Superior Court of the county where the Contracting Agency headquarters is located, provided that where an action is asserted against a county, RCW 36.01.05 shall control venue and jurisdiction.

1-04 Scope of Work

1-04.2 Coordination of Contract Documents, Plans, Special Provisions, Specifications, and Addenda

(March 13, 2012 APWA GSP)

Revise the second paragraph to read:

Any inconsistency in the parts of the contract shall be resolved by following this order of precedence (e.g., 1 presiding over 2, 2 over 3, 3 over 4, and so forth):

1. Addenda,
2. Proposal Form,
3. Special Provisions,
4. Contract Plans,
5. Amendments to the Standard Specifications,
6. Standard Specifications,

7. Contracting Agency's Standard Plans or Details (if any), and
8. WSDOT Standard Plans for Road, Bridge, and Municipal Construction.

1-05 Control of Work

1-05.4 Conformity With and Deviation from Plans and Stakes

Supplement this section with the following:

Roadway and Utility Surveys

The Engineer shall provide (one time only) construction staking necessary for construction. Provided construction staking shall include:

1. Establish on-site construction control;
2. Mark limits of pavement sawcut;
3. North Pond excavation limits and cut to subgrade;
4. Paving area cut to subgrade;
5. Locations and grades of storm system; and
6. Tops of gravel base and crushed surfacing base course at paving area.

1-05.7 Removal of Defective and Unauthorized Work

(October 1, 2005 APWA GSP)

Supplement this section with the following:

If the Contractor fails to remedy defective or unauthorized work within the time specified in a written notice from the Engineer, or fails to perform any part of the work required by the Contract Documents, the Engineer may correct and remedy such work as may be identified in the written notice, with Contracting Agency forces or by such other means as the Contracting Agency may deem necessary.

If the Contractor fails to comply with a written order to remedy what the Engineer determines to be an emergency situation, the Engineer may have the defective and unauthorized work corrected immediately, have the rejected work removed and replaced, or have work the Contractor refuses to perform completed by using Contracting Agency or other forces. An emergency situation is any situation when, in the opinion of the Engineer, a delay in its remedy could be potentially unsafe, or might cause serious risk of loss or damage to the public.

Direct or indirect costs incurred by the Contracting Agency attributable to correcting and remedying defective or unauthorized work, or work the Contractor failed or refused to perform, shall be paid by the Contractor. Payment will be deducted by the Engineer from monies due, or to become due, the Contractor. Such direct and indirect costs shall include in particular, but without limitation, compensation for additional professional services required, and costs for repair and replacement of work of others destroyed or damaged by correction, removal, or replacement of the Contractor's unauthorized work.

No adjustment in contract time or compensation will be allowed because of the delay in the performance of the work attributable to the exercise of the Contracting Agency's rights provided by this Section.

The rights exercised under the provisions of this section shall not diminish the Contracting Agency's right to pursue any other avenue for additional remedy or damages with respect to the Contractor's failure to perform the work as required.

1-05.11 Final Inspection

Delete this section and replace it with the following:

1-05.11 Final Inspections and Operational Testing

(October 1, 2005 APWA GSP)

1-05.11(1) Substantial Completion Date

When the Contractor considers the work to be substantially complete, the Contractor shall so notify the Engineer and request the Engineer establish the Substantial Completion Date. The Contractor's request shall list the specific items of work that remain to be completed in order to reach physical completion. The Engineer will schedule an inspection of the work with the Contractor to determine the status of completion. The Engineer may also establish the Substantial Completion Date unilaterally.

If, after this inspection, the Engineer concurs with the Contractor that the work is substantially complete and ready for its intended use, the Engineer, by written notice to the Contractor, will set the Substantial Completion Date. If, after this inspection the Engineer does not consider the work substantially complete and ready for its intended use, the Engineer will, by written notice, so notify the Contractor giving the reasons therefor.

Upon receipt of written notice concurring in or denying substantial completion, whichever is applicable, the Contractor shall pursue vigorously, diligently and without unauthorized interruption, the work necessary to reach Substantial and Physical Completion. The Contractor shall provide the Engineer with a revised schedule indicating when the Contractor expects to reach substantial and physical completion of the work.

The above process shall be repeated until the Engineer establishes the Substantial Completion Date and the Contractor considers the work physically complete and ready for final inspection.

1-05.11(2) Final Inspection and Physical Completion Date

When the Contractor considers the work physically complete and ready for final inspection, the Contractor by written notice, shall request the Engineer to schedule a final inspection. The Engineer will set a date for final inspection. The Engineer and the Contractor will then make a final inspection and the Engineer will notify the Contractor in writing of all particulars in which the final inspection reveals the work incomplete or unacceptable. The Contractor shall immediately take such corrective measures as are necessary to remedy the listed deficiencies. Corrective work shall be pursued vigorously, diligently, and without interruption until physical completion of the listed deficiencies. This process will continue until the Engineer is satisfied the listed deficiencies have been corrected.

If action to correct the listed deficiencies is not initiated within 7 days after receipt of the written notice listing the deficiencies, the Engineer may, upon written notice to the Contractor, take whatever steps are necessary to correct those deficiencies pursuant to Section 1-05.7.

The Contractor will not be allowed an extension of contract time because of a delay in the performance of the work attributable to the exercise of the Engineer's right hereunder.

Upon correction of all deficiencies, the Engineer will notify the Contractor and the Contracting Agency, in writing, of the date upon which the work was considered physically complete. That date shall constitute the Physical Completion Date of the contract, but shall not imply acceptance of the work or that all the obligations of the Contractor under the contract have been fulfilled.

1-05.11(3) Operational Testing

It is the intent of the Contracting Agency to have at the Physical Completion Date a complete and operable system. Therefore when the work involves the installation of machinery or other mechanical equipment; street lighting, electrical distribution or signal systems; irrigation systems; buildings; or other similar work it may be desirable for the Engineer to have the Contractor operate and test the work for a period of time after final inspection but prior to the physical completion date. Whenever items of work are listed in the Contract Provisions for operational testing they shall be fully tested under operating conditions for the time period specified to ensure their acceptability prior to the Physical Completion Date. During and following the test period, the Contractor shall correct any items of workmanship, materials, or equipment which prove faulty, or that are not in first class operating condition. Equipment, electrical controls, meters, or other devices and equipment

to be tested during this period shall be tested under the observation of the Engineer, so that the Engineer may determine their suitability for the purpose for which they were installed. The Physical Completion Date cannot be established until testing and corrections have been completed to the satisfaction of the Engineer.

The costs for power, gas, labor, material, supplies, and everything else needed to successfully complete operational testing, shall be included in the unit contract prices related to the system being tested, unless specifically set forth otherwise in the proposal.

Operational and test periods, when required by the Engineer, shall not affect a manufacturer's guaranties or warranties furnished under the terms of the contract.

1-05.12 Final Acceptance

Supplement this section with the following:

Prior to final acceptance the contractor shall provided red line drawings of changes made to the approved plans during the construction of the project to the Engineer.

1-05.13 Superintendents, Labor and Equipment of Contractor

(August 14, 2013 APWA GSP)

Delete the sixth and seventh paragraphs of this section.

1-05.15 Method of Serving Notices

(March 25, 2009 APWA GSP)

Revise the second paragraph to read:

All correspondence from the Contractor shall be directed to the Project Engineer. All correspondence from the Contractor constituting any notification, notice of protest, notice of dispute, or other correspondence constituting notification required to be furnished under the Contract, must be in paper format, hand delivered or sent via mail delivery service to the Project Engineer's office. Electronic copies such as e-mails or electronically delivered copies of correspondence will not constitute such notice and will not comply with the requirements of the Contract.

Add the following new section:

1-05.16 Water and Power

(October 1, 2005 APWA GSP)

The Contractor shall make necessary arrangements, and shall bear the costs for power and water necessary for the performance of the work, unless the contract includes power and water as a pay item.

Add the following new section:

1-05.17 Oral Agreements
(October 1, 2005 AWPA GSP)

No oral agreement or conversation with any officer, agent, or employee of the Contracting Agency, either before or after execution of the contract, shall affect or modify any of the terms or obligations contained in any of the documents comprising the contract. Such oral agreement or conversation shall be considered as unofficial information and in no way binding upon the Contracting Agency, unless subsequently put in writing and signed by the Contracting Agency.

1-06, Control of Material

1-06.6 Recycled Materials
(January 4, 2016 APWA GSP)

Delete this section, including its subsections, and replace it with the following:

The Contractor shall make their best effort to utilize recycled materials in the construction of the project. Approval of such material use shall be as detailed elsewhere in the Standard Specifications.

Prior to Physical Completion the Contractor shall report the quantity of recycled materials that were utilized in the construction of the project for each of the items listed in Section 9-03.21. The report shall include hot mix asphalt, recycled concrete aggregate, recycled glass, steel furnace slag and other recycled materials (e.g. utilization of on-site material and aggregates from concrete returned to the supplier). The Contractor's report shall be provided on DOT form 350-075 Recycled Materials Reporting.

1-07 Legal Regulations and Responsibilities to the Public

1-07.1 Laws to be Observed
(October 1, 2005 APWA GSP)

Supplement this section with the following:

In cases of conflict between different safety regulations, the more stringent regulation shall apply.

The Washington State Department of Labor and Industries shall be the sole and paramount administrative agency responsible for the administration of the provisions of the Washington Industrial Safety and Health Act of 1973 (WISHA). The Contractor shall maintain at the project site office, or other well known place at the project site, all articles necessary for providing first aid to the injured. The

Contractor shall establish, publish, and make known to all employees, procedures for ensuring immediate removal to a hospital, or doctor's care, persons, including employees, who may have been injured on the project site. Employees should not be permitted to work on the project site before the Contractor has established and made known procedures for removal of injured persons to a hospital or a doctor's care.

The Contractor shall have sole responsibility for the safety, efficiency, and adequacy of the Contractor's plant, appliances, and methods, and for any damage or injury resulting from their failure, or improper maintenance, use, or operation. The Contractor shall be solely and completely responsible for the conditions of the project site, including safety for all persons and property in the performance of the work. This requirement shall apply continuously, and not be limited to normal working hours. The required or implied duty of the Engineer to conduct construction review of the Contractor's performance does not, and shall not, be intended to include review and adequacy of the Contractor's safety measures in, on, or near the project site.

1-07.2 State Taxes

Delete this section, including its sub-sections, in its entirety and replace it with the following:

1-07.2 State Sales Tax (June 27, 2011 APWA GSP)

The Washington State Department of Revenue has issued special rules on the State sales tax. Sections 1-07.2(1) through 1-07.2(3) are meant to clarify those rules. The Contractor should contact the Washington State Department of Revenue for answers to questions in this area. The Contracting Agency will not adjust its payment if the Contractor bases a bid on a misunderstood tax liability.

The Contractor shall include all Contractor-paid taxes in the unit bid prices or other contract amounts. In some cases, however, state retail sales tax will not be included. Section 1-07.2(2) describes this exception.

The Contracting Agency will pay the retained percentage (or release the Contract Bond if a FHWA-funded Project) only if the Contractor has obtained from the Washington State Department of Revenue a certificate showing that all contract-related taxes have been paid (RCW 60.28.051). The Contracting Agency may deduct from its payments to the Contractor any amount the Contractor may owe the Washington State Department of Revenue, whether the amount owed relates to this contract or not. Any amount so deducted will be paid into the proper State fund.

1-07.2(1) State Sales Tax — Rule 171

WAC 458-20-171, and its related rules, apply to building, repairing, or improving streets, roads, etc., which are owned by a municipal corporation, or political subdivision of the state, or by the United States, and which are used primarily for foot or vehicular traffic. This includes storm or combined sewer systems within and included as a part of the street or road drainage system and power lines when such are part of the roadway lighting system. For work performed in such cases, the Contractor shall include Washington State Retail Sales Taxes in the various unit bid item prices, or other contract amounts, including those that the Contractor pays on the purchase of the materials, equipment, or supplies used or consumed in doing the work.

1-07.2(2) State Sales Tax — Rule 170

WAC 458-20-170, and its related rules, apply to the constructing and repairing of new or existing buildings, or other structures, upon real property. This includes, but is not limited to, the construction of streets, roads, highways, etc., owned by the state of Washington; water mains and their appurtenances; sanitary sewers and sewage disposal systems unless such sewers and disposal systems are within, and a part of, a street or road drainage system; telephone, telegraph, electrical power distribution lines, or other conduits or lines in or above streets or roads, unless such power lines become a part of a street or road lighting system; and installing or attaching of any article of tangible personal property in or to real property, whether or not such personal property becomes a part of the realty by virtue of installation.

For work performed in such cases, the Contractor shall collect from the Contracting Agency, retail sales tax on the full contract price. The Contracting Agency will automatically add this sales tax to each payment to the Contractor. For this reason, the Contractor shall not include the retail sales tax in the unit bid item prices, or in any other contract amount subject to Rule 170, with the following exception.

Exception: The Contracting Agency will not add in sales tax for a payment the Contractor or a subcontractor makes on the purchase or rental of tools, machinery, equipment, or consumable supplies not integrated into the project. Such sales taxes shall be included in the unit bid item prices or in any other contract amount.

1-07.2(3) Services

The Contractor shall not collect retail sales tax from the Contracting Agency on any contract wholly for professional or other services (as defined in Washington State Department of Revenue Rules 138 and 244).

1-07.7 Load Limits

Supplement this section with the following:

If the sources of materials provided by the Contractor necessitates hauling over roads other than County roads, the Contractor shall, at the Contractor's expense, make all arrangements for the use of the haul routes.

1-07.17 Utilities and Similar Facilities

(April 2, 2007 WSDOT GSP)

Supplement this section with the following:

Locations and dimensions shown in the Plans for existing facilities are in accordance with available information obtained without uncovering, measuring, or other verification.

The following addresses and telephone numbers of utility companies or their Contractors that will be adjusting, relocating, replacing or constructing utilities within the project limits are supplied for the Contractor's use:

Cascade Natural Gas
P.O. Box 539
Bremerton, WA 98337
Contact: Rick Coy
Telephone: (360) 405-4230
Mobile: (360) 633-6614

CenturyLink
611 6th Street, Bsmt
Bremerton, WA 98337
Contact: Royce Klein
Telephone: (360) 478-5930

Kitsap County Public Works
Waste Water Division
614 Division Street
Port Orchard, WA 98366
Contact: Stella Vakarcs
Telephone: (360) 337-5777

Puget Sound Energy
6522 Kitsap Way
Bremerton, WA 98312
Contact: Suzanne Anders
Telephone: (253) 495-3978
Mobile: (360) 536-3733

Silverdale Water District
5300 NW Newberry Hill Road
Silverdale, WA 98383
Contact: Nolan Corpuz
Telephone: (360) 447-3521

Wave Broadband
4519 SE Mile Hill Drive
Port Orchard, WA 98366
Contact: Ron McGehee
Mobile: (360) 871-5618 ext. 1734

1-07.18 Public Liability and Property Damage Insurance

Delete this section in its entirety, and replace it with the following:

1-07.18 Insurance

(January 4, 2016 APWA GSP)

1-07.18(1) General Requirements

- A. The Contractor shall procure and maintain the insurance described in all subsections of section 1-07.18 of these Special Provisions, from insurers with a current A. M. Best rating of not less than A-: VII and licensed to do business in the State of Washington. The Contracting Agency reserves the right to approve or reject the insurance provided, based on the insurer's financial condition.
- B. The Contractor shall keep this insurance in force without interruption from the commencement of the Contractor's Work through the term of the Contract and for thirty (30) days after the Physical Completion date, unless otherwise indicated below.
- C. If any insurance policy is written on a claims made form, its retroactive date, and that of all subsequent renewals, shall be no later than the effective date of this Contract. The policy shall state that coverage is claims made, and state the retroactive date. Claims-made form coverage shall be maintained by the Contractor for a minimum of 36 months following the Completion Date or earlier termination of this Contract, and the Contractor shall annually provide the Contracting Agency with proof of renewal. If renewal of the claims made form of coverage becomes unavailable, or economically prohibitive, the Contractor shall purchase an extended reporting period ("tail") or execute another form of guarantee acceptable to the Contracting Agency to assure financial responsibility for liability for services performed.
- D. The Contractor's Automobile Liability, Commercial General Liability and Excess or Umbrella Liability insurance policies shall be primary and non-contributory insurance as respects the Contracting Agency's insurance, self-insurance, or self-insured pool coverage. Any insurance, self-insurance, or self-insured pool coverage maintained by

the Contracting Agency shall be excess of the Contractor's insurance and shall not contribute with it.

- E. The Contractor shall provide the Contracting Agency and all additional insureds with written notice of any policy cancellation, within two business days of their receipt of such notice.
- F. The Contractor shall not begin work under the Contract until the required insurance has been obtained and approved by the Contracting Agency
- G. Failure on the part of the Contractor to maintain the insurance as required shall constitute a material breach of contract, upon which the Contracting Agency may, after giving five business days' notice to the Contractor to correct the breach, immediately terminate the Contract or, at its discretion, procure or renew such insurance and pay any and all premiums in connection therewith, with any sums so expended to be repaid to the Contracting Agency on demand, or at the sole discretion of the Contracting Agency, offset against funds due the Contractor from the Contracting Agency.
- H. All costs for insurance shall be incidental to and included in the unit or lump sum prices of the Contract and no additional payment will be made.

1-07.18(2) Additional Insured

All insurance policies, with the exception of Workers Compensation, and of Professional Liability and Builder's Risk (if required by this Contract) shall name the following listed entities as additional insured(s) using the forms or endorsements required herein:

- The Contracting Agency and its officers, elected officials, employees, agents, and volunteers

The above-listed entities shall be additional insured(s) for the full available limits of liability maintained by the Contractor, irrespective of whether such limits maintained by the Contractor are greater than those required by this Contract, and irrespective of whether the Certificate of Insurance provided by the Contractor pursuant to 1-07.18(4) describes limits lower than those maintained by the Contractor.

For Commercial General Liability insurance coverage, the required additional insured endorsements shall be at least as broad as ISO forms CG 20 10 10 01 for ongoing operations and CG 20 37 10 01 for completed operations.

1-07.18(3) Subcontractors

The Contractor shall cause each Subcontractor of every tier to provide insurance coverage that complies with all applicable requirements of the Contractor-provided insurance as set forth herein, except the Contractor shall have sole responsibility for determining the limits of coverage required to be obtained by Subcontractors.

The Contractor shall ensure that all Subcontractors of every tier add all entities listed in 1-07.18(2) as additional insureds, and provide proof of such on the policies as required by that section as detailed in 1-07.18(2) using an endorsement as least as broad as ISO CG 20 10 10 01 for ongoing operations and CG 20 37 10 01 for completed operations.

Upon request by the Contracting Agency, the Contractor shall forward to the Contracting Agency evidence of insurance and copies of the additional insured endorsements of each Subcontractor of every tier as required in 1-07.18(4) Verification of Coverage.

1-07.18(4) Verification of Coverage

The Contractor shall deliver to the Contracting Agency a Certificate(s) of Insurance and endorsements for each policy of insurance meeting the requirements set forth herein when the Contractor delivers the signed Contract for the work. Failure of Contracting Agency to demand such verification of coverage with these insurance requirements or failure of Contracting Agency to identify a deficiency from the insurance documentation provided shall not be construed as a waiver of Contractor's obligation to maintain such insurance.

Verification of coverage shall include:

1. An ACORD certificate or a form determined by the Contracting Agency to be equivalent.
2. Copies of all endorsements naming Contracting Agency and all other entities listed in 1-07.18(2) as additional insured(s), showing the policy number. The Contractor may submit a copy of any blanket additional insured clause from its policies instead of a separate endorsement.
3. Any other amendatory endorsements to show the coverage required herein.
4. A notation of coverage enhancements on the Certificate of Insurance shall not satisfy these requirements – actual endorsements must be submitted.

Upon request by the Contracting Agency, the Contractor shall forward to the Contracting Agency a full and certified copy of the insurance policy(s). If Builders Risk insurance is required on this Project, a full and certified copy of that policy is required when the Contractor delivers the signed Contract for the work.

1-07.18(5) Coverages and Limits

The insurance shall provide the minimum coverages and limits set forth below. Contractor's maintenance of insurance, its scope of coverage, and limits as required herein shall not be construed to limit the liability of the Contractor to the coverage provided by such insurance, or otherwise limit the Contracting Agency's recourse to any remedy available at law or in equity.

All deductibles and self-insured retentions must be disclosed and are subject to approval by the Contracting Agency. The cost of any claim payments falling within the deductible or self-insured retention shall be the responsibility of the Contractor. In the event an additional insured incurs a liability subject to any policy's deductibles or self-insured retention, said deductibles or self-insured retention shall be the responsibility of the Contractor.

1-07.18(5)A Commercial General Liability

Commercial General Liability insurance shall be written on coverage forms at least as broad as ISO occurrence form CG 00 01, including but not limited to liability arising from premises, operations, stop gap liability, independent contractors, products-completed operations, personal and advertising injury, and liability assumed under an insured contract. There shall be no exclusion for liability arising from explosion, collapse or underground property damage.

The Commercial General Liability insurance shall be endorsed to provide a per project general aggregate limit, using ISO form CG 25 03 05 09 or an equivalent endorsement.

Contractor shall maintain Commercial General Liability Insurance arising out of the Contractor's completed operations for at least three years following Substantial Completion of the Work.

Such policy must provide the following minimum limits:

\$1,000,000	Each Occurrence
\$2,000,000	General Aggregate
\$2,000,000	Products & Completed Operations Aggregate
\$1,000,000	Personal & Advertising Injury each offence
\$1,000,000	Stop Gap / Employers' Liability each accident

1-07.18(5)B Automobile Liability

Automobile Liability shall cover owned, non-owned, hired, and leased vehicles; and shall be written on a coverage form at least as broad as ISO form CA 00 01. If the work involves the transport of pollutants, the automobile liability policy shall include MCS 90 and CA 99 48 endorsements.

Such policy must provide the following minimum limit:

\$1,000,000	Combined single limit each accident
-------------	-------------------------------------

1-07.18(5)C Workers' Compensation

The Contractor shall comply with Workers' Compensation coverage as required by the Industrial Insurance laws of the State of Washington.

1-07.23 Public Convenience and Safety

Supplement this section with the following:

Hours of Operation Restrictions

The hours of operation of the Olympic View Transfer Station are from 8:00 AM to 5:00 PM daily (Monday - Sunday).

The Contractor shall not park equipment, park vehicles, store material, or work outside the work area identified in the plans unless given approval by the Owner's Representative. Exceptions are for the night work described below. The Contractor will be allowed to briefly stop transfer station traffic for vehicles to enter and access the work area.

The contractor shall schedule the following items of work to start after 6:00 PM and end by 6:00 AM:

- Installation of the stormwater facilities in the transfer station access roads
- Paving of the existing gravel lot

1-07.24 Rights of Way

(July 23, 2015 APWA GSP)

Delete this section and replace it with the following:

Street Right of Way lines, limits of easements, and limits of construction permits are indicated in the Plans. The Contractor's construction activities shall be confined within these limits, unless arrangements for use of private property are made.

Generally, the Contracting Agency will have obtained, prior to bid opening, all rights of way and easements, both permanent and temporary, necessary for carrying out the work. Exceptions to this are noted in the Bid Documents or will be brought to the Contractor's attention by a duly issued Addendum.

Whenever any of the work is accomplished on or through property other than public Right of Way, the Contractor shall meet and fulfill all covenants and stipulations of any easement agreement obtained by the Contracting Agency from the owner of the private property. Copies of the easement agreements may be included in the Contract Provisions or made available to the Contractor as soon as practical after they have been obtained by the Engineer.

Whenever easements or rights of entry have not been acquired prior to advertising, these areas are so noted in the Plans. The Contractor shall not proceed with any portion of the work in areas where right of way, easements or rights of entry have not

been acquired until the Engineer certifies to the Contractor that the right of way or easement is available or that the right of entry has been received. If the Contractor is delayed due to acts of omission on the part of the Contracting Agency in obtaining easements, rights of entry or right of way, the Contractor will be entitled to an extension of time. The Contractor agrees that such delay shall not be a breach of contract.

Each property owner shall be given 48 hours notice prior to entry by the Contractor. This includes entry onto easements and private property where private improvements must be adjusted.

The Contractor shall be responsible for providing, without expense or liability to the Contracting Agency, any additional land and access thereto that the Contractor may desire for temporary construction facilities, storage of materials, or other Contractor needs. However, before using any private property, whether adjoining the work or not, the Contractor shall file with the Engineer a written permission of the private property owner, and, upon vacating the premises, a written release from the property owner of each property disturbed or otherwise interfered with by reasons of construction pursued under this contract. The statement shall be signed by the private property owner, or proper authority acting for the owner of the private property affected, stating that permission has been granted to use the property and all necessary permits have been obtained or, in the case of a release, that the restoration of the property has been satisfactorily accomplished. The statement shall include the parcel number, address, and date of signature. Written releases must be filed with the Engineer before the Completion Date will be established.

1-08 Prosecution and Progress

Add the following new section:

1-08.0 Preliminary Matters (May 25, 2006 APWA GSP)

Add the following new section:

1-08.0(1) Preconstruction Conference (October 10, 2008 APWA GSP)

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 work;

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.

The Contractor shall prepare and submit at the preconstruction conference 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.

Add the following new section:

1-08.0(2) Hours of Work
(December 8, 2014 APWA GSP)

Except in the case of the night work identified in Section 1-07.23 of the Special Provisions, in the case of emergency or unless otherwise approved by the Engineer, the normal working hours for the Contract shall be any consecutive 8-hour period between 7:00 a.m. and 6:00 p.m. Monday through Friday, exclusive of a lunch break. If the Contractor desires different than the normal working hours stated above, the request must be submitted in writing prior to the preconstruction conference, subject to the provisions below. The working hours for the Contract shall be established at or prior to the preconstruction conference.

All working hours and days are also subject to local permit and ordinance conditions (such as noise ordinances).

If the Contractor wishes to deviate from the established working hours, the Contractor shall submit a written request to the Engineer for consideration. This request shall state what hours are being requested, and why. Requests shall be submitted for review no later than 3 prior to the day(s) the Contractor is requesting to change the hours.

If the Contracting Agency approves such a deviation, such approval may be subject to certain other conditions, which will be detailed in writing. For example:

1. On non-Federal aid projects, requiring the Contractor to reimburse the Contracting Agency for the costs in excess of straight-time costs for Contracting Agency representatives who worked during such times. (The Engineer may require designated representatives to be present during the work.

Representatives who may be deemed necessary by the Engineer include, but are not limited to: survey crews; personnel from the Contracting Agency's material testing lab; inspectors; and other Contracting Agency employees or third party consultants when, in the opinion of the Engineer, such work necessitates their presence.)

2. Considering the work performed on Saturdays, Sundays, and holidays as working days with regard to the contract time.
3. Considering multiple work shifts as multiple working days with respect to contract time even though the multiple shifts occur in a single 24-hour period.
4. If a 4-10 work schedule is requested and approved the non working day for the week will be charged as a working day.
5. If Davis Bacon wage rates apply to this Contract, all requirements must be met and recorded properly on certified payroll.

1-08.3(2)A Type A Progress Schedule

(March 13, 2012 APWA GSP)

Revise this section to read:

The Contractor shall submit 1 copies of a Type A Progress Schedule no later than at the preconstruction conference, or some other mutually agreed upon submittal time. The schedule may be a critical path method (CPM) schedule, bar chart, or other standard schedule format. Regardless of which format used, the schedule shall identify the critical path. The Engineer will evaluate the Type A Progress Schedule and approve or return the schedule for corrections within 15 calendar days of receiving the submittal. Revise the first sentence of the second paragraph to read:

1-08.4 Prosecution of Work

Delete this section in its entirety, and replace it with the following:

1-08.4 Notice to Proceed and Prosecution of Work

(June 27, 2011 APWA GSP)

Notice to Proceed will be given after the Contract has been executed and the contract bond and evidence of insurance have been approved and filed by the Contracting Agency. The Contractor shall not commence with the work until the Notice to Proceed has been given by the Engineer. The Contractor shall commence construction activities on the project site within ten days of the Notice to Proceed Date, unless otherwise approved in writing. The Contractor shall diligently pursue the work to the physical completion date within the time specified in the Contract. Voluntary shutdown or slowing of operations by the Contractor shall not relieve the Contractor of the responsibility to complete the work within the time(s) specified in the Contract.

When shown in the Plans, the first order of work shall be the installation of high visibility fencing to delineate all areas for protection or restoration, as described in the Contract. Installation of high visibility fencing adjacent to the roadway shall occur after the placement of all necessary signs and traffic control devices in accordance with 1-10.1(2). Upon construction of the fencing, the Contractor shall request the Engineer to inspect the fence. No other work shall be performed on the site until the Contracting Agency has accepted the installation of high visibility fencing, as described in the Contract.

1-08.5 Time for Completion

(August 14, 2013 APWA GSP, Option A)

Revise the third and fourth paragraphs to read:

Contract time shall begin on the first working day following the Notice to Proceed Date.

Each working day shall be charged to the contract as it occurs, until the contract work is physically complete. If substantial completion has been granted and all the authorized working days have been used, charging of working days will cease. Each week the Engineer will provide the Contractor a statement that shows the number of working days: (1) charged to the contract the week before; (2) specified for the physical completion of the contract; and (3) remaining for the physical completion of the contract. The statement will also show the nonworking days and any partial or whole day the Engineer declares as unworkable. Within 10 calendar days after the date of each statement, the Contractor shall file a written protest of any alleged discrepancies in it. To be considered by the Engineer, the protest shall be in sufficient detail to enable the Engineer to ascertain the basis and amount of time disputed. By not filing such detailed protest in that period, the Contractor shall be deemed as having accepted the statement as correct. If the Contractor is approved to work 10 hours a day and 4 days a week (a 4-10 schedule) and the fifth day of the week in which a 4-10 shift is worked would ordinarily be charged as a working day then the fifth day of that week will be charged as a working day whether or not the Contractor works on that day.

Revise the sixth paragraph to read:

The Engineer will give the Contractor written notice of the completion date of the contract after all the Contractor's obligations under the contract have been performed by the Contractor. The following events must occur before the Completion Date can be established:

1. The physical work on the project must be complete; and
2. The Contractor must furnish all documentation required by the contract and required by law, to allow the Contracting Agency to process final acceptance of the contract. The following documents must be received by the Project Engineer prior to establishing a completion date:

- a. Certified Payrolls (per Section 1-07.9(5)).
- b. Material Acceptance Certification Documents
- c. Quarterly Reports of Amounts Credited as DBE Participation, as required by the Contract Provisions.
- d. Final Contract Voucher Certification
- e. Copies of the approved “Affidavit of Prevailing Wages Paid” for the Contractor and all Subcontractors
- f. Property owner releases per Section 1-07.24

(March 13, 1995 WSDOT GSP, Option 7)
Supplement this section with the following:

This project shall be physically completed within **25 working days**.

1-08.9 Liquidated Damages
(August 14, 2013 APWA GSP)

Revise the fourth paragraph to read:

When the Contract Work has progressed to Substantial Completion as defined in the Contract, the Engineer may determine that the work is Substantially Complete. The Engineer will notify the Contractor in writing of the Substantial Completion Date. For overruns in Contract time occurring after the date so established, the formula for liquidated damages shown above will not apply. For overruns in Contract time occurring after the Substantial Completion Date, liquidated damages shall be assessed on the basis of direct engineering and related costs assignable to the project until the actual Physical Completion Date of all the Contract Work. The Contractor shall complete the remaining Work as promptly as possible. Upon request by the Project Engineer, the Contractor shall furnish a written schedule for completing the physical Work on the Contract.

1-09 Measurement and Payment

1-09.2(1) General Requirements for Weighing Equipment
(July 23, 2015 APWA GSP, Option 2)

Revise item 4 of the fifth paragraph to read:

4. Test results and scale weight records for each day’s hauling operations are provided to the Engineer daily. Reporting shall utilize WSDOT form 422-027, Scaleman’s Daily Report, unless the printed ticket contains the same information

that is on the Scaleman's Daily Report Form. The scale operator must provide AM and/or PM tare weights for each truck on the printed ticket.

1-09.6 Force Account

(October 10, 2008 APWA GSP)

Supplement this section with the following:

The Contracting Agency has estimated and included in the Proposal, dollar amounts for all items to be paid per force account, only to provide a common proposal for Bidders. All such dollar amounts are to become a part of Contractor's total bid. However, the Contracting Agency does not warrant expressly or by implication that the actual amount of work will correspond with those estimates. Payment will be made on the basis of the amount of work actually authorized by Engineer.

1-09.9 Payments

(March 13, 2012 APWA GSP)

Delete the first four paragraphs and replace them with the following:

The basis of payment will be the actual quantities of Work performed according to the Contract and as specified for payment.

The Contractor shall submit a breakdown of the cost of lump sum bid items at the Preconstruction Conference, to enable the Project Engineer to determine the Work performed on a monthly basis. A breakdown is not required for lump sum items that include a basis for incremental payments as part of the respective Specification. Absent a lump sum breakdown, the Project Engineer will make a determination based on information available. The Project Engineer's determination of the cost of work shall be final.

Progress payments for completed work and material on hand will be based upon progress estimates prepared by the Engineer. A progress estimate cutoff date will be established at the preconstruction conference.

The initial progress estimate will be made not later than 30 days after the Contractor commences the work, and successive progress estimates will be made every month thereafter until the Completion Date. Progress estimates made during progress of the work are tentative, and made only for the purpose of determining progress payments. The progress estimates are subject to change at any time prior to the calculation of the final payment.

The value of the progress estimate will be the sum of the following:

1. Unit Price Items in the Bid Form — the approximate quantity of acceptable units of work completed multiplied by the unit price.
2. Lump Sum Items in the Bid Form — based on the approved Contractor's lump sum breakdown for that item, or absent such a breakdown, based on the Engineer's determination.
3. Materials on Hand — 100 percent of invoiced cost of material delivered to Job site or other storage area approved by the Engineer.
4. Change Orders — entitlement for approved extra cost or completed extra work as determined by the Engineer.

Progress payments will be made in accordance with the progress estimate less:

1. Retainage per Section 1-09.9(1), on non FHWA-funded projects;
2. The amount of progress payments previously made; and
3. Funds withheld by the Contracting Agency for disbursement in accordance with the Contract Documents.

Progress payments for work performed shall not be evidence of acceptable performance or an admission by the Contracting Agency that any work has been satisfactorily completed. The determination of payments under the contract will be final in accordance with Section 1-05.1.

1-09.11(3) Time Limitation and Jurisdiction

(July 23, 2015 APWA GSP)

Revise this section to read:

For the convenience of the parties to the Contract it is mutually agreed by the parties that any claims or causes of action which the Contractor has against the Contracting Agency arising from the Contract shall be brought within 180 calendar days from the date of final acceptance (Section 1-05.12) of the Contract by the Contracting Agency; and it is further agreed that any such claims or causes of action shall be brought only in the Superior Court of the county where the Contracting Agency headquarters is located, provided that where an action is asserted against a county, RCW 36.01.05 shall control venue and jurisdiction. The parties understand and agree that the Contractor's failure to bring suit within the time period provided, shall be a complete bar to any such claims or causes of action. It is further mutually agreed by the parties that when any claims or causes of action which the Contractor asserts against the Contracting Agency arising from the Contract are filed with the Contracting Agency or initiated in court, the Contractor shall permit the Contracting Agency to have timely access to any records deemed necessary by the Contracting Agency to assist in evaluating the claims or action.

1-09.13(3)A Administration of Arbitration

(July 23, 2015 APWA GSP)

Revise the third paragraph to read:

The Contracting Agency and the Contractor mutually agree to be bound by the decision of the arbitrator, and judgment upon the award rendered by the arbitrator may be entered in the Superior Court of the county in which the Contracting Agency's headquarters is located, provided that where claims subject to arbitration are asserted against a county, RCW 36.01.05 shall control venue and jurisdiction of the Superior Court. The decision of the arbitrator and the specific basis for the decision shall be in writing. The arbitrator shall use the Contract as a basis for decisions.

1-10 Temporary Traffic Control

1-10.2 Traffic Control Management

1-10.2(1) General

(January 8, 2016)

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
12545 135th Ave. NE
Kirkland, WA 98034-8709
1-800-521-0778 or
(425) 814-3930

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 this section with the following:

Traffic Safety Drums will be measured per each installed.

1-10.5 Payment

Supplement this section with the following:

“Traffic Safety Drums” per each.

The contract unit price per each “Traffic Safety Drums,” shall be full pay for all labor, materials, and equipment, for the installation, maintenance and removal of the “Traffic Safety Drums” as specified herein and as shown in the Plans.

DIVISION 2 EARTHWORK

2-01 Clearing, Grubbing and Roadside Cleanup

2-01.1 Description

2-01.2 Disposal of Usable Material and Debris

Revise the third paragraph to read as follows:

The Contractor shall use Disposal Method No. 2.

2-02 Removal of Structures and Obstructions

2-02.1 Description

Supplement this section with the following:

Saw Cut Asphalt Concrete Pavement

Where shown in the plans or where designated by the Engineer, the Contractor shall saw cut the asphalt concrete pavement prior to removal.

2-02.3 Construction Requirements

2-02.3(1) Removal of Obstructions

(February 17, 1998 WSDOT GSP)

Supplement this section with the following:

500 SF Elevated Concrete Pad
100 LF Above Grade Roof Drain Pipe
40 LF Painted Line
1 EA Sign Relocation

2-02.3(3) Removal of Pavement, Sidewalks, Curbs and Gutters

Supplement this section with the following:

Pavement Thickness

The approximate thickness of the asphalt concrete pavement is 7 inches.

Saw Cut Asphalt Concrete Pavement

The equipment and procedures used to make the vertical cut shall be approved by the Engineer.

The Contractor shall make a vertical saw cut to delineate the areas of pavement to be removed from those areas of pavement to remain. The removed pavement shall become the property of the Contractor and shall be promptly removed from the project.

Damage caused to portions of the pavement to remain, due to the Contractor's operations, shall be repaired by the Contractor at no expense to the Contracting Agency.

2-02.4 Measurement

Supplement this section with the following:

Removing Asphalt Concrete Pavement will be measured by the square yard.

Saw Cut Asphalt Concrete Pavement will be measured by the lineal foot of saw cut actually completed.

2-02.5 Payment

Supplement this section with the following:

"Removing Asphalt Concrete Pavement", per square yard.

The contract unit price, per square yard, shown on the proposal for "Removing Asphalt Concrete Pavement," shall be full compensation for all costs incurred for all tools, labor, materials, and equipment necessary to complete the work.

"Saw Cut Asphalt Concrete Pavement", per lineal foot.

The contract unit price, per lineal foot, shown on the proposal for "Saw Cut Asphalt Concrete Pavement," shall be full compensation for all costs incurred for all tools, labor, materials, and equipment necessary to complete the work.

2-03 Roadway Excavation and Embankment

2-03.3(7) Disposal of Surplus Material

This section is deleted and replaced with the following:

A waste site has not been provided by the Contracting Agency for the disposal of excess materials and construction debris. The Contractor shall be solely responsible for loading, hauling and the disposal of all surplus material and construction debris in a manner complying with all local, state and federal statutes and regulations.

All costs involved in the loading, hauling and the disposal of all surplus material and construction debris shall be included in the bid prices of the items shown on the proposal and no further payment will be made.

DIVISION 5 SURFACE TREATMENTS AND PAVEMENTS

5-04 Hot Mix Asphalt

5-04.3 Construction Requirements

Supplement this section with the following:

The paving of the project shall occur between the hours specified in Section 1-07.23 of the Special Provisions.

5-04.3(3)A Material Transfer Device / Vehicle

(January 16, 2014 APWA GSP)

The first paragraph of this section is revised to read:

Additionally, a material transfer device or vehicle (MTD/V) is not required.

5-04.3(7)A2 Statistical or Nonstatistical Evaluation

Delete this section and replace it with the following:

5-04.3(7)A2 Nonstatistical Evaluation

(January 16, 2014 APWA GSP)

Mix designs for HMA accepted by Nonstatistical evaluation shall;

- Be submitted to the Project Engineer on WSDOT Form 350-042
- Have the aggregate structure and asphalt binder content determined in accordance with WSDOT Standard Operating Procedure 732 and meet the requirements of Sections 9-03.8(2) and 9-03.8(6).
- Have anti-strip requirements, if any, for the proposed mix design determined in accordance with WSDOT Test Method T 718 or based on historic anti-strip and aggregate source compatibility from WSDOT lab testing. Anti-strip evaluation of HMA mix designs utilized that include RAP will be completed without the inclusion of the RAP.

At or prior to the preconstruction meeting, the contractor shall provide one of the following mix design verification certifications for Contracting Agency review;

- The proposed mix design indicated on a WSDOT mix design/anti-strip report that is within one year of the approval date.

- The proposed HMA mix design submittal (Form 350-042) with the seal and certification (stamp & signature) of a valid licensed Washington State Professional Engineer.
- The proposed mix design by a qualified City or County laboratory mix design report that is within one year of the approval date.

The mix design will be performed by a lab accredited by a national authority such as Laboratory Accreditation Bureau, L-A-B for Construction Materials Testing, The Construction Materials Engineering Council (CMEC's) ISO 17025 or AASHTO Accreditation Program (AAP) and shall supply evidence of participation in the AASHTO Material Reference Laboratory (AMRL) program.

At the discretion of the Engineer, agencies may accept mix designs verified beyond the one year verification period with a certification from the Contractor that the materials and sources are the same as those shown on the original mix design.

No paving will be allowed before the approval of the mix design.

5-04.3(8)A1 General

(January 16, 2014 APWA GSP)

Delete this section and replace it with the following:

Acceptance of HMA shall be as defined under nonstatistical or commercial evaluation.

Nonstatistical evaluation will be used for all HMA not designated as Commercial HMA in the contract documents.

The mix design will be the initial JMF for the class of HMA. The Contractor may request a change in the JMF. Any adjustments to the JMF will require the approval of the Project Engineer and must be made in accordance with Section 9-03.8(7).

Commercial evaluation may be used for Commercial HMA and for other classes of HMA in the following applications: sidewalks, road approaches, ditches, slopes, paths, trails, gores, prelevel, and pavement repair. Other nonstructural applications of HMA accepted by commercial evaluation shall be as approved by the Project Engineer. Sampling and testing of HMA accepted by commercial evaluation will be at the option of the Project Engineer. Commercial HMA can be accepted by a contractor certificate of compliance letter stating the material meets the HMA requirements defined in the contract.

5-04.3(8)A4 Definition of Sampling Lot and Sublot

(January 16, 2014 APWA GSP)

Section 5-04.3(8)A4 is supplemented with the following:

For HMA in a structural application, sampling and testing for total project quantities less than 400 tons is at the discretion of the engineer. For HMA used in a structural application and with a total project quantity less than 800 tons but more than 400 tons, a minimum of one acceptance test shall be performed:

- i. If test results are found to be within specification requirements, additional testing will be at the Engineer's discretion.
- ii. If test results are found not to be within specification requirements, additional testing as needed to determine a CPF shall be performed.

5-04.3(8)A5 Test Results

(January 16, 2014 APWA GSP)

The first paragraph of this section is deleted.

5-04.3(8)A6 Test Methods

(January 16, 2014 APWA GSP)

Delete this section and replace it with the following:

Testing of HMA for compliance of Va will be at the option of the Contracting Agency. If tested, compliance of Va will be use WSDOT Standard Operating Procedure SOP 731. Testing for compliance of asphalt binder content will be by WSDOT FOP for AASHTO T 308. Testing for compliance of gradation will be by WAQTC FOP for AASHTO T 27/T 11.

5-04.4 Measurements

Supplement this section with the following:

Night Paving HMA CI. ___ PG ___, will be measured by the ton in accordance with Section 1-09.2, with no deduction being made for the weight of asphalt binder, mineral filler, or any other component of the mixture. If the Contractor elects to remove and replace mix as allowed by Section 5-04.3(11), the material removed will not be measured.

5-04.5 Payment

Supplement this section with the following:

"Ductile Iron Storm Sewer Pipe 12 In. Diam.", per linear foot.

“Night Paving HMA Cl. ___ PG ___”, per ton.

The unit Contract price per ton for “Night Paving HMA Cl. ___ PG” shall be full compensation for all costs, including antistripping additive, incurred to carry out the requirements of Section 5-04 except for those costs included in other items which are included in this Subsection and which are included in the Proposal.

5-04.5(1)B Price Adjustments for Quality of HMA Compaction
(January 16, 2014 APWA GSP)

Delete this section and replace it with the following:

The maximum CPF of a compaction lot is 1.00.

For each compaction lot of HMA when the CPF is less than 1.00, a Nonconforming Compaction Factor (NCCF) will be determined. THE NCCF equals the algebraic difference of CPF minus 1.00 multiplied by 40 percent. The Compaction Price Adjustment will be calculated as the product of the NCCF, the quantity of HMA in the lot in tons and the unit contract price per ton of the mix.

DIVISION 7 DRAINAGE STRUCTURES, STORM SEWERS, STORM SEWERS, SANITARY SEWERS, WATERMANS AND CONDUITS

7-01 Drains

7-01.2 Materials

Supplement this section with the following:

Ductile Iron Drain Pipe	9-30.1(1)
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7-01.5 Payment

Supplement this section with the following:

The contract unit price per linear foot for “Drain Pipe 6 In. Diam.” shall be full pay for all labor, materials, and equipment to complete the installation, including Structure Excavation Class B, Gravel Backfill for Foundation, Gravel Backfill for Pipe Zone Bedding, connecting the roof drain cleanouts, connecting to the existing down spouts, and connecting to the new catch basins.

“Ductile Iron Drain Pipe 6 In. Diam.” per linear foot.

“Ductile Iron Drain Pipe 8 In. Diam.” per linear foot.

The contract unit price per linear foot for “Ductile Iron Drain Pipe ____ In. Diam.” shall be full pay for all labor, materials and equipment to complete the installation, including Structure Excavation Class B, Gravel Backfill for Foundation, Gravel Backfill for Pipe Zone Bedding, connecting the roof drain cleanouts, connecting to the existing down spouts, and connecting to the new catch basins

7-04 Storm Sewers

7-04.2 Materials

Supplement this section with the following:

Ductile Iron Storm Pipe	9-30.1(1)
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7-04.3 Construction Requirements

Supplement this section with the following:

The storm sewer pipe that will be installed under the transfer station access roadways shall be installed between the hours specified in Section 1-07.23 of the Special Provisions.

7-04.4 Measurements

Supplement this section with the following:

The length of “Night Installation of Corrugated Polyethylene Storm Sewer Pipe,” will be the number of linear feet of completed installation measured along the invert, and will include the length through elbows, tees and fittings. The number of linear feet will be measured from the center of manhole to center of manhole, or to the inside face of each catch basin and similar type of structure.

7-04.5 Payment

Supplement this section with the following:

“Ductile Iron Storm Sewer Pipe 12 In. Diam.”, per linear foot.

“Night Installation of Corrugated Polyethylene Storm Sewer Pipe 12 In. Diam.”, per linear foot.

The contract unit price per linear foot for “Night Installation of Corrugated Polyethylene Storm Sewer Pipe 12 In. Diam.” shall be full pay for all work to complete the installation, including Structure Excavation Class B, Gravel Backfill for Foundation, Gravel Backfill for Pipe Zone Bedding, Testing of Storm Pipe, and adjustment of inverts to manholes.

Revise the thirteenth paragraph to read as follows:

The contract unit price per linear foot for storm sewer pipe of the kind and size specified shall be full pay for all work to complete the installation, including Structure Excavation Class B, Gravel Backfill for Foundation, Gravel Backfill for Pipe Zone Bedding, Testing of Storm Pipe, and adjustment of inverts to manholes.

7-05 Manholes, Inlets, Catch Basins, and Drywells

7-05.2 Materials

Supplement this section with the following:

Debris Cage

The material utilized in the manufacturer of the debris cage, shall be as specified on the City of Bremerton Drawing 4015 included in the Plans.

7-05.3 Construction Requirements

Supplement this section with the following:

The construction of the debris cage shall be in accordance with the details shown on City of Bremerton Drawing 4015 included in the Plans.

7-05.4 Measurements

Supplement this section with the following:

“Catch Basin Type 2, 54 In. Diam. with Debris Cage” shall be measured per each.

7-05.5 Payment

Supplement this section with the following:

“Catch Basin Type 2, 54 In Diam. with Debris Cage” per each.

The contract unit price per each “Catch Basin Type 2, 54 In. Diam. with Debris Cage” shall be full pay for furnishing and installing the Catch Basin Type 2, with Debris Cage, including all structure excavation, gravel backfill for bedding, adjusting frame and grate to finish grade, and connecting storm pipes to the unit as specified herein, and as shown in the Plans.

Revise the ninth paragraph to read as follows:

The contract unit price per each “Catch Basin Type 1” and “Catch Basin Type 2, 48 In. Diam.” shall be full pay for furnishing and installing the catch basin, including all structure excavation, gravel backfill for bedding, adjusting frame and grate to finish grade, downturned elbows, and connecting storm pipes to the unit as specified herein and as shown on the Plans.

7-07 Vacant

This section’s title is revised to read:

Water Quality Unit

7-07.1 Description

This work shall also consist of installing owner provided water quality treatment units at the locations shown in the Plans. The Contractor shall furnish all labor, materials, equipment and incidentals required for the installation of the owner provided water quality treatment systems and appurtenances, in accordance with the Drawings and these specifications

7-07.2 Materials

Portland Cement	9-01
Fine Aggregate	9-03
Course Aggregate	9-03
Steel Reinforcing Bars	9-07
Weld Wire Fabric	9-07.7
Curing Materials and Admixtures	9-23
Water	9-25

1. Contractor shall supply pipe couplings to and water quality units, which shall be Mar-Mac, Fernco, or Mission style flexible boot with stainless steel tension bands and shear guard.

2. Contractor shall prepare excavation and off-load water quality units.
3. Contractor is responsible for bedding and backfill around water quality units as detailed in the Plans.
4. The owner shall supply standard manhole frame(s) and cover(s). (Traffic rated H20)
5. Excavation and Bedding - The trench and trench bottom shall be constructed in accordance with ASTM D 2321, Section 6, Trench Excavation, and Section 7, Installation. The water quality units shall be installed on a stable base consisting of 12-inches of Class I stone materials (angular, crushed stone or rock, crushed gravel; large void content, contains little or no fines) as defined by ASTM D 2321, Section 5, Materials, and compacted to 95% proctor density. All required safety precautions for water quality units installation are the responsibility of the Contractor and shall be per OSHA approved methods.
6. Backfill Requirements - Backfill materials shall be Class I or II stone materials, (well graded gravels, gravelly sands; contains little or no fines) as defined by ASTM D 2321, Section 5, Materials, and compacted to 90% proctor density. Class I materials are preferred. Backfill and bedding materials shall be free of debris. Backfilling shall conform to ASTM F 1759, Section 4.2, "Design Assumptions". Backfill shall extend at least 3.5 feet outward from water quality units and for the full height of the water quality units (including riser(s)) extending laterally to undisturbed soils.
7. The contractor shall construct a 15-inch, 7' square reinforced concrete pad in accordance with the details shown in the Plans to protect the water quality units from traffic loading.

7-07.3 Location

The owner-furnished water quality units are located at 8600 SW Imperial Way, Bremerton, WA 98312. The contractor shall make arrangements with Keli McKay-Means at (360) 337-5665 in order for the contractor to pick up the units and deliver them to the site.

7-07.4 Measurements

"Installing Water Quality Unit" shall be measured per each.

7-07.5 Payment

“Installing Water Quality Unit” per each.

The contract unit price per each “Installing Water Quality Unit” shall be full pay for all labor, materials, and equipment for installing an owner-provided water quality unit, hauling the water quality units from the owner’s storage facility to the project site, constructing a concrete pad as shown on the Plans, adjusting frame and grate to finish grade, and connecting storm pipes to the unit as specified herein and as shown on the Plans.

7-08 General Pipe Installation Requirements

7-08.4 Measurement

Delete the fourth paragraph and replace it with the following:

Structure Excavation Class B and Structure Excavation Class B Including Haul will not be measured in accordance with Section 2-09.4 of these Special Provisions.

Revise the last paragraph to read as follows:

Shoring or Extra Excavation Class B will not be measured in accordance with Section 2-09.4 of these Special Provisions.

7-08.5 Payment

Delete the fifth and sixth paragraph.

Revise the seventh paragraph to read as follows:

“Shoring or Extra Excavation Class B”, lump sum.

7-10 Vacant

This section’s title is revised to read:

Roof Drain Cleanouts

7-10.1 Description

This work consists of constructing roof drain cleanouts in accordance with the Plans, these Specifications, and the Standard Plans as staked.

7-10.2 Materials

All materials incorporated into the roof drain cleanout structure shall meet the requirements of the various applicable sections of these Specifications.

7-10.3 Construction requirements

A roof drain cleanout shall be provided at each connection of the existing down spout to the new drain pipe.

All roof drain cleanouts shall be extended to grade. The roof drain cleanouts shall be full drain pipe diameter, and shall be extended to a point not less than 6-inches, nor more than 12-inches below the finished ground surface, and shall be plugged with a removable stopper which will prevent passage of dirt or water. The Contractor shall install an approved casting to provide ready access to the cleanout stopper.

7-10.4 Measurement

The "Roof Drain Cleanout", will be measured per each.

7-10.5 Payment

"Roof Drain Cleanout", per each.

The contract unit price per each "Roof Drain Cleanout", shall be full pay for all labor, materials, and equipment for construction of a complete roof drain cleanout connecting the existing down spout, and connecting the drain pipes to the roof drain cleanout as specified herein, and as shown in on the Plans.

DIVISION 8 MISCELLANEOUS CONSTRUCTION

8-01 Erosion Control and Water Pollution Control

8-01.1 Description

Supplement this section with the following:

This work shall include the preparation and implementation of a Temporary Erosion and Sedimentation Control (TESC) Plan by the Contractor for this Contract.

8-01.3 Construction Requirements

8-01.3(1)A Submittals

Delete the first sentence and replace it with the following:

The Contractor shall be responsible for the preparation of a TESC Plan for the Contract and shall submit this TESC Plan to the Engineer 5 days prior to the preconstruction conference.

8-01.5 Payment

Supplement this section with the following:

“Erosion/Water Pollution Control”, per lump sum.

8-05 Vacant

This section’s title is revised to read:

Storm Pond Improvements

8-05.1 Description

This work shall also consist of storm pond improvements to the North Pond in accordance with the Plans and these Specifications.

8-05.2 Materials

Materials shall meet the following requirements

Geotextile Fabric	9-33.2(1) Table 1
Gravel Backfill for Drains	9-03.12(4)
Sand Drainage Blanket	9-03.13(1)

Low Grow Grass Seed Mixture	
Dwarf Tall Fescue	40%
Dwarf Perennial Rye "Barclay"	30%
Red Fescue	25%
Colonial Bentgrass	5%

8-05.3 Construction Requirements

Improvements to the north storm pond bottom shall be in accordance with the Plans, or as specified by the Engineer.

Construction of the storm pond improvements shall be accomplished with light-tracked equipment in order to avoid the compaction of the pond bottom.

Pond Bottom Excavation

The bottom of the existing storm pond will be excavated one (1) foot, prior to the construction of the pond bottom trench. The material excavated shall be removed from the pond and disposed of offsite.

Trench Preparation

The storm pond bottom trench shall be graded at the location and depth shown in the Plans. The trench shall be lined with geotextile fabric prior to the placement of the gravel backfill for drains. The material excavated from the trench shall be removed from the pond and disposed of offsite.

Gravel Backfill for Drains Placement and Compaction

The gravel backfill for drains shall be placed to the depth shown in the Plans or as designated by the Engineer. The Contractor shall use care in placing the backfill material to prevent its contamination. Remove all contaminated backfill and replace with uncontaminated backfill.

Overlapping and Covering

Following the placement of the gravel backfill for drains in the trench, fold the geotextile over the material to form a 12-inch minimum longitudinal overlap. When overlaps are required between rolls, the upstream roll should overlap a minimum of two (2) feet over the downstream roll in order to provide a shingled effect.

Voids Behind Geotextile

Voids between the geotextile and excavation sides must be avoided. Removing boulders or other obstacles from the trench walls is one source of such voids. Place natural soils in these voids at the most convenient time during construction to ensure geotextile conformity to the excavation sides.

Sand Drainage Blanket

After completion of the pond bottom trench, the sand drainage blanket shall be placed to a depth of one (1) foot. The sand shall be leveled but not compacted.

Seeding of Disturbed Areas

After completion of the storm pond improvements, the disturbed areas shall be hand seeded with the specified low grow grass seed mixture at the rate of two (2) pounds per 1000 square feet.

8-05.4 Measurement

No specific unit of measurement will apply to the lump sum item “Storm Pond Improvements.”

8-05.5 Payment

“Storm Pond Improvements”, per lump sum.

The unit contract price per lump sum for “Storm Pond Improvements” shall be full pay for the construction of the Storm Pond Improvements.

DIVISION 9 MATERIALS

9-03 Aggregates

9-03.8(2) HMA Test Requirements

Supplement this section with the following:

ESAL's

The number of ESAL's for the design and acceptance of the HMA shall be in the range of more than 300,000 to less than 3 million.

9-03.8(7) HMA Tolerances and Adjustments

Supplement this section with the following:

Item 1 is deleted and replaced with:

1. Job Mix Formula Tolerances. After the JMF is determined as required in 5-04.3(7)A, the constituents of the mixture at the time of acceptance shall conform to the following tolerances:
- 2.

	Nonstatistical Evaluation	Commercial Evaluation
	Aggregate, percent passing	
1", 3/4", 1/2" and 3/8" sieves	±6.0%	±8.0%
U.S. No. 4 sieve	±6.0%	±8.0%
U.S. No. 8 sieve	±6.0%	±8.0%
U.S. No. 200 sieve	±2.0%	±3.0%
Asphalt Binder	±0.5%	±0.7%
Air Voids	2.5% Minimum and 5.5% Maximum	

(JANUARY 4, 2016)
STANDARD PLANS

The State of Washington Standard Plans for Road, Bridge and Municipal Construction M21-01 transmitted under Publications Transmittal No. PT 15-048, effective August 3, 2015 is made a part of this contract.

The Standard Plans are revised as follows:

A-30.15
DELETED

A-50.10
Sheet 2 of 2, Plan, with Single Slope Barrier, reference C-14a is revised to C-70.10

A-50.20
Sheet 2 of 2, Plan, with Anchored Barrier, reference C-14a is revised to C-70.10

A-50.30
Sheet 2 of 2, Plan (top), reference C-14a is revised to C-70.10

B-10.20 and B-10.40
Substitute “step” in lieu of “handhold” on plan

B-15.60
Table, Maximum Knockout Size column, 120” Diam., 42” is revised to read; 96”

B-25.20
Add Note 7. See Standard Specification Section 8-04 for Curb and Gutter requirements

B-55.20
Metal Pipe elevation, title is revised to read; “Metal Pipe and Steel Rib Reinforced Polyethylene Pipe”

B-90.40
Offset & Bend details, add the subtitle, “Plan View” above titles

C-8b
Section A, callout, was – “Grout” is revised to read; “Grout ~ 2” (IN) MAX., callout, was – “Anchor Bolt (TYP.) ~ See Detail” is revised to read; “Anchor Bolt or Rod (TYP.) ~ See Detail”, Sheet 2, Detail “A”, callout, was – “Anchor Bolt (TYP.) ~ See Detail”, is revised to read; “Anchor Bolt or Rod (TYP.) ~ See Detail”. Anchor Bolt Detail, DELETED – Headed Bolt DETAIL portion of the ANCHOR BOLT DETAIL. Dimension, “5 1/2” MIN. Threads” is deleted. Add dimension, “1” MAX.” from top of barrier to bottom of the nut, Callout, was – “1” Diam. Threaded Rod ~ ASTM A 419” is revised

to read; “1” (IN) Diam. Threaded Full Length Rod or Bolt ~ ASTM F 1554, Grade 105”. Note (Below Title), was – “Galvanize Exposed Anchor Rod End 1’ – 9” Min.” is revised to read; “Galvanized Anchor Bolt Full Length according to ASTM F 2329”. Subtitle – was “Threaded Rod” is revised to read; “Threaded Rod or Bolt”, Sheet 2, Anchor Plate detail, callout, was – 1” DIAM. HOLE (TYP.)” IS REVISED TO READ; “1 1/8” (IN) DIAM. HOLE (TYP.)” , callout, was – “1/2” Plate” is revised to read; “1/2” (IN) Plate ~ ASTM A36

C-1

Assembly Detail, Steel Post, (post) callout – was - “W6 x 9 or W6 x 15” is revised to read; “W6 x 8.5 or W6 x 9 or W6 x 15”

C-10

General Note 1, first sentence, was – “Length of W8 x 35 and W6 x 9 shall be determined by measurement from top of ground to top of grout pad.” Is revised to read; “Length of W8 x 35 and W6 x 8.5 or W6 x 9 shall be determined by measurement from top of ground to top of grout pad.”

Sheet 1, Post Base Plate Detail, callout, was – “W6 x 9” is revised to read; “W6 x 8.5 or W6 x 9”

Sheet 1, Box Culvert Guardrail Steel Post Type 2 detail, callout, was – “W6 x 9 Steel Post” is revised to read; “W6 x 8.5 or W6 x 9 Steel Post”

Sheet 1, Post Anchor Attachment Detail, callout, was – “W6 x 9 ~ See Note 1” is revised to read; “W6 x 8.5 or W6 x 9 ~ See Note 1”

Sheet 1, Detail A, callout, was – “W6 x 9 Steel Post ~ See Note 1” is revised to read; “W6 x 8.5 or W6 x 9 Steel Post ~ See Note 1”

Sheet 2, Box Culvert Guardrail Steel Post Type 1, callout, was – “W6 x 9 x 27.5” Steel Post” is revised to read; “W6 x 8.5 x 27.5” (IN) or W6 x 9 x 27.5” (IN) Steel Post”

Sheet 2, Detail B, callout, was – “W6 x 9 x 27.5” Steel Post” is revised to read; “W6 x 8.5 x 27.5” (IN) or W6 x 9 x 27.5” (IN) Steel Post”

C-16a

Note 1, reference C-28.40 is revised to C-20.10

C-16b

Note 3, reference C-28.40 is revised to C-20.10

C-22.14

Plan, callout, was – “Location of Post (Without Block) ~ W6 x 9 Steel Post Only” is revised to read; “Location of Post (Without Block) ~ W6 x 8.5 or W6 x 9 Steel Post Only”

Elevation, callout, was – “Location of Post (Without Block) ~ W6 x 9 Steel Post Only” is revised to read; “Location of Post (Without Block) ~ W6 x 8.5 or W6 x 9 Steel Post Only”

C-22.45

Note 1, was – “This Terminal is FHWA accepted at Test Level Two (TL-2) and may be used in applications with speeds of 40 MPH or less.” Is revised to read: “This Terminal is FHWA accepted at Test Level Two (TL-2) and may be used in applications with speeds of 45 MPH or less.” Plan Title, was – “Beam Guardrail Type 31 Non – Flared Terminal Steel Posts (Posted Speed ~ 40 MPH and Below)” is revised to read: “Beam Guardrail Type 31 Non – Flared Terminal Steel Posts (Posted Speed ~ 45 MPH and Below

D-10.10

Wall Type 1 may be used if no traffic barrier is attached on top of the wall. Walls with traffic barriers attached on top of the wall are considered non-standard and shall be designed in accordance with the current WSDOT Bridge Design Manual (BDM) and the revisions stated in the 11/3/15 Bridge Design memorandum.

D-10.15

Wall Type 2 may be used if no traffic barrier is attached on top of the wall. Walls with traffic barriers attached on top of the wall are considered non-standard and shall be designed in accordance with the current WSDOT BDM and the revisions stated in the 11/3/15 Bridge Design memorandum.

D-10.20

Wall Type 3 may be used in all cases. The last sentence of Note 6 on Wall Type 3 shall be revised to read: The seismic design of these walls has been completed using a site adjusted (effective) peak ground acceleration of 0.32g.

D-10.25

Wall Type 4 may be used in all cases. The last sentence of Note 6 on Wall Type 4 shall be revised to read: The seismic design of these walls has been completed using a site adjusted (effective) peak ground acceleration of 0.32g.

D-10.30

Wall Type 5 may be used in all cases.

D-10.35

Wall Type 6 may be used in all cases.

D-10.40

Wall Type 7 may be used if no traffic barrier is attached on top of the wall. Walls with traffic barriers attached on top of the wall are considered non-standard and shall be designed in accordance with the current WSDOT BDM and the revisions stated in the 11/3/15 Bridge Design memorandum.

D-10.45

Wall Type 8 may be used if no traffic barrier is attached on top of the wall. Walls with traffic barriers attached on top of the wall are considered non-standard and shall be

designed in accordance with the current WSDOT BDM and the revisions stated in the revisions stated in the 11/3/15 Bridge Design memorandum.

D-15.10

STD Plans D-15 series “Traffic Barrier Details for Reinforced Concrete Retaining Walls” are withdrawn. Special designs in accordance with the current WSDOT BDM are required in place of these STD Plans.

D-15.20

STD Plans D-15 series “Traffic Barrier Details for Reinforced Concrete Retaining Walls” are withdrawn. Special designs in accordance with the current WSDOT BDM are required in place of these STD Plans.

D-15.30

STD Plans D-15 series “Traffic Barrier Details for Reinforced Concrete Retaining Walls” are withdrawn. Special designs in accordance with the current WSDOT BDM are required in place of these STD Plans.

F-10.12

Section Title, was – “Depressed Curb Section” is revised to read: “Depressed Curb and Gutter Section”

F-10.40

“EXTRUDED CURB AT CUT SLOPE”, Section detail - Deleted

F-10.42

DELETE – “Extruded Curb at Cut Slope” View

G-24.40

Sheet 1, Elevation (upper left corner), callout, was – “Sign Brace~ 36” (IN) or larger in width required (See Standard Plan G-50.10)” is revised to read; “Sign Brace (See Standard Plan G-50.10)” Sheet 3, Elevation (upper left corner), callout, was – “Sign Brace~ 36” (IN) or larger in width required (See Standard Plan G-50.10)” is revised to read; “Sign Brace (See Standard Plan G-50.10)”

H-70.20

Sheet 2, Spacing Detail, Mailbox Support Type 1, reference to Standard Plan I-70.10 is revised to H-70.10

I-80.10

Stabilized Construction Entrance, Isometric View, add Note to read; “Note: At the discretion of the contractor, smaller rock may be used to fill in voids between the quarry spalls to create a walking pathway for crossing the construction entrance.”

J-3

DELETED

J-3b
DELETED

J-3C
DELETED

J-10.21

Note 18, was – “When service cabinet is installed within right of way fence, see Standard Plan J-10.22 for details.” Is revised to read; “When service cabinet is installed within right of way fence, or the meter base is mounted on the exterior of the cabinet, see Standard Plan J-10.22 for details.”

J-10.22

Key Note 1, was – “Meter base per serving utility requirements~ as a minimum, the meter base shall be safety socket box with factory-installed test bypass facility that meets the requirements of EUSERC drawing 305.” Is revised to read; “Meter base per serving utility requirements~ as a minimum, the meter base shall be safety socket box with factory-installed test bypass facility that meets the requirements of EUSERC drawing 305. When the utility requires meter base to be mounted on the side or back of the service cabinet, the meter base enclosure shall be fabricated from type 304 stainless steel.”

Key Note 4, “Test with (SPDT Snap Action, Positive close 15 Amp – 120/277 volt “T” rated). Is revised to read: “Test Switch (SPDT snap action, positive close 15 amp – 120/277 volt “T” rated).”

Key Note 14, was – “Hinged dead front with ¼ turn fasteners or slide latch.” Is revised to read; “Hinged dead front with ¼ turn fasteners or slide latch. ~ Dead front panel bolts shall not extend into the vertical limits of the breaker array(s).”

Key Note 15, was – “Cabinet Main Bonding Jumper. Buss shall be 4 lug tinned copper. See Cabinet Main bonding Jumper detail, Standard Plan J-3b.” is revised to read; “Cabinet Main Bonding Jumper Assembly ~ Buss shall be 4 lug tinned copper ~ See Standard Plan J-10.20 for Cabinet Main Bonding Jumper Assembly details.”

J-20.10

Add Note 5, “5. One accessible pedestrian signal assembly per pedestrian pushbutton post.”

J-20.11

Sheet 2, Foundation Detail, Elevation, callout – “Type 1 Signal Pole” is revised to read: “Type PS or Type 1 Signal Pole”

Sheet 2, Foundation Detail, Elevation, add note below Title, “(Type 1 Signal Pole Shown)”

Add Note 6, “6. One accessible pedestrian signal assembly per pedestrian pushbutton post.”

J-20.26

Add Note 1, "1. One accessible pedestrian pushbutton station per pedestrian pushbutton post."

J-20.16

View A, callout, was – LOCK NIPPLE, is revised to read; CHASE NIPPLE

J-21.10

Sheet 1 of 2, Elevation view (Round), add dimension depicting the distance from the top of the foundation to find 2 #4 reinforcing bar shown, to read; 3" CLR.. Delete "(TYP.)" from the 2 ½" CLR. dimension, depicting the distance from the bottom of the foundation to find 2 # 4 reinf. Bar.

Sheet 1 of 2, Elevation view (Square), add dimension depicting the distance from the top of the foundation to find 1 #4 reinforcing bar shown, to read; 3" CLR. Delete "(TYP.)" from the 2 ½" CLR. dimension, depicting the distance from the bottom of the foundation to find 1 # 4 reinf. Bar.

Sheet 2 of 2, Elevation view (Round), add dimension depicting the distance from the top of the foundation to find 2 #4 reinforcing bar shown, to read; 3" CLR. Delete "(TYP.)" from the 2 ½" CLR. dimension, depicting the distance from the bottom of the foundation to find 2 # 4 reinf. Bar.

Sheet 2 of 2, Elevation view (Square), add dimension depicting the distance from the top of the foundation to find 1 #4 reinforcing bar shown, to read; 3" CLR. Delete "(TYP.)" from the 2 ½" CLR. dimension, depicting the distance from the bottom of the foundation to find 1 # 4 reinf. Bar.

J-21.15

Partial View, callout, was – LOCK NIPPLE ~ 1 ½" DIAM., is revised to read; CHASE NIPPLE ~ 1 ½" (IN) DIAM.

J-21.16

Detail A, callout, was – LOCKNIPPLE, is revised to read; CHASE NIPPLE

J-22.15

Ramp Meter Signal Standard, elevation, dimension 4' - 6" is revised to read; 6'-0" (2x) Detail A, callout, was – LOCK NIPPLE ~ 1 ½" DIAM. is revised to read; CHASE NIPPLE ~ 1 ½" (IN) DIAM.

J-28.45

Steel Light Standard Elbow Detail, dimension, was – "1-1/2" MAX." is revised to read; 2" MAX.. callout, was – "1.00 – 8 UNC x 8" (IN) long bolt threaded full length (ASTM A325 or F1554 GR. 105) with two heavy hex nuts, two plate washers, and a round washer (Typ.) (Galvanized AASHTO M232)" is revised to read; "1.00 – 8 UNC x 8 1/2" (IN) long bolt threaded full length (ASTM A325 or F1554 GR. 105) with two heavy hex nuts, two plate washers, and a round washer (Typ.) (Galvanized per AASHTO F2329)". callout, was – "3/16" (IN) thick preformed "Fabreeka" fabric pad with 5" (IN) diam. hole ~ cement to flange plate and trim outside edge flush" is revised to read;

“3/16” (IN) or 1/4” (IN) thick preformed “Fabreeka” fabric pad with 5” (IN) diam. hole ~ cement to flange plate and trim outside edge flush”. Exploded Isometric View, callout, was – “1” (IN) Diam. Heavy Hex Bolt (Typ.)” is revised to read; “1” Diam. Bolt (Typ.)”. Section B, callout, was – “3 1/2” (IN) x 3/16” (IN)(17” (IN)...” is revised to read; “4” (IN) x 3/16” (IN)(17” (IN)...”. Typical Sections, two traffic barrier views, add dimension [from the top of the pole base plate to the bottom of the Hand Hole] “6” MIN.”. all three views, callout, was – “1” (IN) Diam. H. S. bolt w/ hardened lock washer and nut (Typ.) (ASTM A325 or F1554 GR. 105)” is revised to read; “1” (IN) Diam. H. S. bolt w/ hardened lock washer and nut (Typ.) (ASTM A449 or F1554 GR. 105)”.

J-28.50

Section D, callout, was – Backup Strip (ref. to key note 3) is revised to read; “Continuous Backup Strip (ref. to key note 3)”

Key Note 3, was – 1/4” Thick, or No thinner than pole wall thickness. Tack weld or seal weld to Base plate. Is revised to read; “1/4” Thick, or No thinner than Pole wall thickness. Tack weld in root or continuous seal weld to Base plate or Pole wall.”

J-28.60

Section B, callout, was – “Continuous Back-up ring – 1/4” or no thinner than pole wall thickness ~ tack weld to plate” is revised to read; “Continuous Back-up ring ~ 1/4” or no thinner than pole wall thickness ~ tack weld in root or continuous seal weld to base plate or pole wall”

J-28.70

Detail C, dimension, 2” MAX. is revised to read: 1” MAX.

Detail D, dimension, 2” MAX. is revised to read: 1” MAX.

J-29.10

Galvanized Welded Wire Mesh detail, callout – “Drill and Tap for 1/4” Diam. Cap Screw, 3 Places, @ 9” center, all 4 edges S.S. Screw, ASTM F593 and washer”

Is revised to read;

“*Drill and Tap 1/4” (IN) Diam. x 1” (IN) Cap Screw with washer ~ space approx.. 9” o.c. ~ Liberally coat threads with Anti-seize compound (TYP.)”

Add Boxed note: * Bolts, Nuts, and washers ~ ASTM F593 or A193 Type 304 or Type 316 Stainless Steel (S.S.)

J-29.15

Title, “Camera Pole Standard” is revised to read; “Camera Pole Standard Details”

J-29-16

Title, “Camera Pole Standard Details” is revised to read; “Camera Pole Details”

J-40.10

Sheet 2 of 2, Detail F, callout, "12 – 13 x 1 ½" S.S. PENTA HEAD BOLT AND 12" S. S. FLAT WASHER" is revised to read; "12 – 13 x 1 ½" S.S. PENTA HEAD BOLT AND 1/2" (IN) S. S. FLAT WASHER"

J-60.14

All references to J-16b (6x) are revised to read; J-60.11

J-90.10

Section B, callout, "Hardware Mounting Rack ~ S. S. 1-5/8" Slotted Channel" is revised to read: "Hardware Mounting Rack (Typ.) ~ Type 304 S. S. 1-5/8" Slotted Channel"

J-90.20

Section B, callout, "Hardware Mounting Rack (Typ.) ~ S. S. 1-5/8" Slotted Channel" is revised to read: "Hardware Mounting Rack (Typ.) ~ Type 304 S. S. 1-5/8" Slotted Channel"

K-80.10

Sign Installation (Fill Section), dimension, 6' TO 12' MIN. is revised to read: 12' MIN.
Sign Installation (Sidewalk and Curb Section), dimension, 6' TO 12' MIN. is revised to read: 12' MIN.

Sign Installation (Behind Traffic Barrier Section), Delete dimensions - 6' TO 12' MIN. and 6' MIN.

Sign with Supplemental Plaque Installation (Fill Section), dimension, 6' TO 12' MIN. is revised to read: 12' MIN.

Sign Installation (Ditch Section), dimension, 6' TO 12' MIN. is revised to read: 12' MIN. Delete dimension – 6' MIN.

K-80.30

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

M-11.10

Layout, dimension (from stop bar to "X"), was – 23' is revised to read; 24'

M-20.30

Sheet 2, Plan View, One-Way Roadway Recessed Pavement Marker Details, ONE-WAY TRAFFIC arrow symbol, is revised to point in the opposite direction (towards the rpm)

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-10.10-00.....8/7/07	A-30.35-00.....10/12/07	A-50.20-01.....9/22/09
A-10.20-00.....10/5/07	A-40.00-00.....8/11/09	A-50.30-00.....11/17/08
A-10.30-00.....10/5/07	A-40.10-03.....12/23/14	A-50.40-00.....11/17/08
A-20.10-00.....8/31/07	A-40.15-00.....8/11/09	A-60.10-03.....12/23/14
A-30.10-00.....11/8/07	A-40.20-03.....12/23/14	A-60.20-03.....12/23/14
	A-40.50-02.....12/23/14	A-60.30-00.....11/8/07
A-30.30-01.....6/16/11	A-50.10-00.....11/17/08	A-60.40-00.....8/31/07
B-5.20-01.....6/16/11	B-30.50-01.....4/26/12	B-75.20-01.....6/10/08
B-5.40-01.....6/16/11	B-30.70-03.....4/26/12	B-75.50-01.....6/10/08
B-5.60-01.....6/16/11	B-30.80-00.....6/8/06	B-75.60-00.....6/8/06
B-10.20-01.....2/7/12	B-30.90-01.....9/20/07	B-80.20-00.....6/8/06
B-10.40-00.....6/1/06	B-35.20-00.....6/8/06	B-80.40-00.....6/1/06
B-10.60-00.....6/8/06	B-35.40-00.....6/8/06	B-82.20-00.....6/1/06
B-15.20-01.....2/7/12	B-40.20-00.....6/1/06	B-85.10-01.....6/10/08
B-15.40-01.....2/7/12	B-40.40-01.....6/16/10	B-85.20-00.....6/1/06
B-15.60-01.....2/7/12	B-45.20-00.....6/1/06	B-85.30-00.....6/1/06
B-20.20-02.....3/16/12	B-45.40-00.....6/1/06	B-85.40-00.....6/8/06
B-20.40-03.....3/16/12	B-50.20-00.....6/1/06	B-85.50-01.....6/10/08
B-20.60-03.....3/15/12	B-55.20-00.....6/1/06	B-90.10-00.....6/8/06
B-25.20-01.....3/15/12	B-60.20-00.....6/8/06	B-90.20-00.....6/8/06
B-25.60-00.....6/1/06	B-60.40-00.....6/1/06	B-90.30-00.....6/8/06
B-30.10-01.....4/26/12	B-65.20-01.....4/26/12	B-90.40-00.....6/8/06
B-30.20-02.....4/26/12	B-65.40-00.....6/1/06	B-90.50-00.....6/8/06
B-30.30-01.....4/26/12	B-70.20-00.....6/1/06	B-95.20-01.....2/3/09
B-30.40-01.....4/26/12	B-70.60-00.....6/1/06	B-95.40-00.....6/8/06
C-1.....6/16/11	C-6.....5/30/97	C-23.60-03.....6/11/14
C-1a.....7/14/15	C-6a.....10/14/09	C.24.10-01.....6/11/14
C-1b.....7/14/15	C-6c.....1/6/00	C-25.18-05.....7/14/15
C-1c.....5/30/97	C-6d.....5/30/97	C-25.20-06.....7/14/15
C-1d.....10/31/03	C-6f.....7/25/97	C-25.22-05.....7/14/15
C-2.....1/6/00	C-7.....6/16/11	C-25.26-03.....7/14/15
C-2a.....6/21/06	C-7a.....6/16/11	C-25.80-03.....6/11/14
C-2b.....6/21/06	C-8.....2/10/09	C-40.14-02.....7/2/12
C-2c.....6/21/06	C-8a.....7/25/97	C-40.16-02.....7/2/12
C-2d.....6/21/06	C-8b.....6/27/11	C-40.18-02.....7/2/12
C-2e.....6/21/06	C-8e.....2/21/07	C-70.10-01.....6/17/14
C-2f.....3/14/97	C-8f.....6/30/04	C-75.10-01.....6/11/14
C-2g.....7/27/01	C-10.....6/3/10	C-75.20-01.....6/11/14
C-2h.....3/28/97	C-16a.....6/3/10	C-75.30-01.....6/11/14
C-2i.....3/28/97	C-16b.....6/3/10	C-80.10-01.....6/11/14
C-2j.....6/12/98	C-20.10-03.....7/14/15	C-80.20-01.....6/11/14
C-2k.....7/27/01	C-20.14-03.....6/11/14	C-80.30-01.....6/11/14
C-2n.....7/27/01	C-20.15-02.....6/11/14	C-80.40-01.....6/11/14
C-2o.....7/13/01	C-20.18-02.....6/11/14	C-80.50-00.....4/8/12
C-2p.....10/31/03	C-20.19-02.....6/11/14	C-85.10-00.....4/8/12
C-3.....7/2/12	C-20.40-05.....7/14/15	C-85.11-00.....4/8/12
	C-20.41-01.....7/14/15	
C-3a.....10/4/05	C-20.42-05.....7/14/15	C-85.14-01.....6/11/14
C-3b.....6/27/11	C-20.45.01.....7/2/12	C-85.15-01.....6/30/14

C-3c.....6/27/11	C-22.14-03.....6/11/14	C-85.16-01.....6/17/14
C-4b.....6/8/06	C-22.16-05.....7/14/15	C-85-18-01.....6/11/14
C-4e.....10/23/14	C-22.40-04.....10/23/14	C-85.20-01.....6/11/14
	C-22.41-01.....10/23/14	
C-4f.....7/2/12	C-22.45-01.....10/23/14	C-90.10-00.....7/3/08
D-2.04-00.....11/10/05	D-2.48-00.....11/10/05	D-3.17-01.....5/17/12
D-2.06-01.....1/6/09	D-2.64-01.....1/6/09	D-4.....12/11/98
D-2.08-00.....11/10/05	D-2.66-00.....11/10/05	D-6.....6/19/98
D-2.14-00.....11/10/05	D-2.68-00.....11/10/05	D-10.10-01.....12/2/08
D-2.16-00.....11/10/05	D-2.80-00.....11/10/05	D-10.15-01.....12/2/08
D-2.18-00.....11/10/05	D-2.82-00.....11/10/05	D-10.20-00.....7/8/08
D-2.20-00.....11/10/05	D-2.84-00.....11/10/05	D-10.25-00.....7/8/08
D-2.32-00.....11/10/05	D-2.86-00.....11/10/05	D-10.30-00.....7/8/08
D-2.34-01.....1/6/09	D-2.88-00.....11/10/05	D-10.35-00.....7/8/08
D-2.36-03.....6/11/14	D-2.92-00.....11/10/05	D-10.40-01.....12/2/08
D-2.42-00.....11/10/05	D-3.09-00.....5/17/12	D-10.45-01.....12/2/08
D-2.44-00.....11/10/05	D-3.10-01.....5/29/13	D-15.10-01.....12/2/08
D-2.60-00.....11/10/05	D-3.11-03.....6/11/14	D-15.20-02.....6/2/11
D-2.62-00.....11/10/05	D-3.15-02.....6/10/13	D-15.30-01.....12/02/08
D-2.46-01.....6/11/14	D-3.16-02.....5/29/13	
E-1.....2/21/07	E-4.....8/27/03	
E-2.....5/29/98	E-4a.....8/27/03	
F-10.12-03.....6/11/14	F-10.62-02.....4/22/14	F-40.15-02.....6/20/13
F-10.16-00.....12/20/06	F-10.64-03.....4/22/14	F-40.16-02.....6/20/13
F-10.18-00.....6/27/11	F-30.10-03.....6/11/14	F-45.10-01.....6/21/12
F-10.40-02.....6/21/12	F-40.12-02.....6/20/13	F-80.10-03.....6/11/14
F-10.42-00.....1/23/07	F-40.14-02.....6/20/13	
G-10.10-00.....9/20/07	G-24.60-04.....6/23/15	G-70.20-02.....6/10/13
G-20.10-02.....6/23/15	G-25.10-04.....6/10/13	G-70.30-02.....6/10/13
G-22.10-03.....7/10/15	G-30.10-04.....6/23/15	G-90.10-01.....5/11/11
G-24.10-00.....11/8/07	G-50.10-02.....6/23/15	G-90.20-03.....7/10/15
G-24.20-01.....2/7/12	G-60.10-03.....6/18/15	G-90.30-02.....3/22/13
G-24.30-01.....2/7/12	G-60.20-02.....6/18/15	G-90.40-01.....10/14/09
G-24.40-05.....6/23/15	G-60.30-02.....6/18/15	G-95.10-01.....6/2/11
G-24.50-03.....6/17/14	G-70.10-03.....6/18/15	G-95.20-02.....6/2/11
		G-95.30-02.....6/2/11
H-10.10-00.....7/3/08	H-32.10-00.....9/20/07	H-70.10-01.....2/7/12
H-10.15-00.....7/3/08	H-60.10-01.....7/3/08	H-70.20-01.....2/16/12
H-30.10-00.....10/12/07	H-60.20-01.....7/3/08	H-70.30-02.....2/7/12
I-10.10-01.....8/11/09	I-30.20-00.....9/20/07	I-40.20-00.....9/20/07
I-30.10-02.....3/22/13	I-30.30-01.....6/10/13	I-50.20-01.....6/10/13
I-30.15-02.....3/22/13	I-30.40-01.....6/10/13	I-60.10-01.....6/10/13
I-30.16-00.....3/22/13	I-30.60-00.....5/29/13	I-60.20-01.....6/10/13
I-30.17-00.....3/22/13	I-40.10-00.....9/20/07	I-80.10-01.....8/11/09

	J-26.15-01.....5/17/12	J-40.40-00.....5/20/13
	J-26.20-00.....6/11/14	
	J-27.10-00.....3/15/12	J-50.10-00.....6/3/11
	J-27.15-00.....3/15/12	J-50.11-00.....6/3/11
J-10.....7/18/97	J-28.10-01.....5/11/11	J-50.12-00.....6/3/11
J-10.10-03.....6/3/15	J-28.22-00.....8/07/07	J-50.15-00.....6/3/11
J-10.15-01.....6/11/14	J-28.24-01.....6/3/15	J-50.16-01.....3/22/13
J-10.16-00.....6/3/15		
J-10.17-00.....6/3/15		
J-10.18-00.....6/3/15		
J-10.20-00.....6/3/15		
J-10.21-00.....6/3/15		
J-10.22-00.....5/29/13	J-28.26-01.....12/02/08	J-50.20-00.....6/3/11
J-15.10-01.....6/11/14	J-28.30-03.....6/11/14	J-50.25-00.....6/3/11
J-15.15-02.....7/10/15	J-28.40-02.....6/11/14	J-50.30-00.....6/3/11
	J-28.42-01.....6/11/14	J-60.05-00.....6/16/11
	J-28.43-00.....6/11/14	
	J-28.45-02.....6/11/14	J-60.11-00.....5/20/13
J-20.10-03.....6/30/14	J-28.50-02.....6/2/11	J-60.12-00.....5/20/13
J-20.11-02.....6/30/14	J-28.60-01.....6/2/11	J-60.13-00.....6/16/10
J-20.15-03.....6/30/14	J-28.70-01.....5/11/11	J-60.14-00.....6/16/10
J-20.16-02.....6/30/14	J-29.10-00.....6/27/11	J-75.10-02.....7/10/15
J-20.20-02.....5/20/13	J-29.15-00.....6/27/11	J-75.20-01.....7/10/15
J-20.26-01.....7/12/12	J-29.16-01.....6/20/13	J-75.30-02.....7/10/15
	J-30.10-00.....6/18/15	
J-21.10-04.....6/30/14	J-40.10-03.....5/20/13	J-75.40-01.....6/11/14
		J-75.41-00.....6/11/14
J-21.15-01.....6/10/13	J-40.20-02.....6/11/14	J-75.45-01.....6/11/14
J-21.16-01.....6/10/13	J-40.30-03.....5/20/13	J-90.10-01.....6/27/11
J-21.17-01.....6/10/13	J-40.35-01.....5/29/13	J-90.20-01.....6/27/11
J-21.20-01.....6/10/13	J-40.36-01.....5/20/13	J-90.21-00.....6/30/14
J-22.15-02.....7/10/15	J-40.37-01.....5/20/13	
J-22.16-03.....7/10/15	J-40.38-01.....5/20/13	
J-26.10-02.....3/15/12	J-40.39-00.....5/20/13	
K-70.20-00.....2/15/07		
K-80.10-00.....2/21/07		
K-80.20-00.....12/20/06		
K-80.30-00.....2/21/07		
K-80.35-00.....2/21/07		
K-80.37-00.....2/21/07		
L-10.10-02.....6/21/12	L-40.10-02.....6/21/12	L-70.10-01.....5/21/08
L-20.10-03.....7/14/15	L-40.15-01.....6/16/11	L-70.20-01.....5/21/08
L-30.10-02.....6/11/14	L-40.20-02.....6/21/12	

M-1.20-03.....6/24/14	M-9.60-00.....2/10/09	M-40.10-03.....6/24/14
M-1.40-02.....6/3/11	M-11.10-01.....1/30/07	M-40.20-00...10/12/07
M-1.60-02.....6/3/11	M-15.10-01.....2/6/07	M-40.30-00.....9/20/07
M-1.80-03.....6/3/11	M-17.10-02.....7/3/08	M-40.40-00.....9/20/07
M-2.20-03.....7/10/15	M-20.10-02.....6/3/11	M-40.50-00.....9/20/07
M-2.21-00.....7/10/15		
M-3.10-03.....6/3/11	M-20.20-02.....4/20/15	M-40.60-00.....9/20/07
M-3.20-02.....6/3/11	M-20.30-03.....4/20/15	M-60.10-01.....6/3/11
M-3.30-03.....6/3/11	M-20.40-03.....6/24/14	M-60.20-02.....6/27/11
M-3.40-03.....6/3/11	M-20.50-02.....6/3/11	M-65.10-02.....5/11/11
M-3.50-02.....6/3/11	M-24.20-02.....4/20/15	M-80.10-01.....6/3/11
M-5.10-02.....6/3/11	M-24.40-02.....4/20/15	M-80.20-00.....6/10/08
M-7.50-01.....1/30/07	M-24.50-00.....6/16/11	M-80.30-00.....6/10/08
M-9.50-02.....6/24/14	M-24.60-04.....6/24/14	

**APPENDIX A
PREVAILING WAGE RATES**

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State of Washington
 Department of Labor & Industries
 Prevailing Wage Section - Telephone 360-902-5335
 PO Box 44540, Olympia, WA 98504-4540

Washington State Prevailing Wage

The PREVAILING WAGES listed here include both the hourly wage rate and the hourly rate of fringe benefits. On public works projects, worker's wage and benefit rates must add to not less than this total. A brief description of overtime calculation requirements are provided on the Benefit Code Key.

Journey Level Prevailing Wage Rates for the Effective Date: 2/23/2016

<u>County</u>	<u>Trade</u>	<u>Job Classification</u>	<u>Wage</u>	<u>Holiday</u>	<u>Overtime</u>	<u>Note</u>
Kitsap	Asbestos Abatement Workers	Journey Level	\$43.95	5D	1H	
Kitsap	Boilermakers	Journey Level	\$30.34		1	
Kitsap	Brick Mason	Journey Level	\$52.82	5A	1M	
Kitsap	Brick Mason	Pointer-Caulker-Cleaner	\$52.82	5A	1M	
Kitsap	Building Service Employees	Janitor	\$9.47		1	
Kitsap	Building Service Employees	Shampooer	\$9.47		1	
Kitsap	Building Service Employees	Waxer	\$9.47		1	
Kitsap	Building Service Employees	Window Cleaner	\$13.22		1	
Kitsap	Cabinet Makers (In Shop)	Journey Level	\$23.72		1	
Kitsap	Carpenters	Acoustical Worker	\$54.02	5D	4C	
Kitsap	Carpenters	Bridge, Dock And Wharf Carpenters	\$54.02	5D	4C	
Kitsap	Carpenters	Carpenter	\$54.02	5D	4C	
Kitsap	Carpenters	Carpenters on Stationary Tools	\$54.15	5D	4C	
Kitsap	Carpenters	Creosoted Material	\$54.12	5D	4C	
Kitsap	Carpenters	Floor Finisher	\$54.02	5D	4C	
Kitsap	Carpenters	Floor Layer	\$54.02	5D	4C	
Kitsap	Carpenters	Scaffold Erector	\$54.02	5D	4C	
Kitsap	Cement Masons	Journey Level	\$53.95	7A	1M	
Kitsap	Divers & Tenders	Diver	\$107.22	5D	4C	8A
Kitsap	Divers & Tenders	Diver On Standby	\$64.42	5D	4C	
Kitsap	Divers & Tenders	Diver Tender	\$58.33	5D	4C	
Kitsap	Divers & Tenders	Surface Rcv & Rov Operator	\$58.33	5D	4C	
Kitsap	Divers & Tenders	Surface Rcv & Rov Operator Tender	\$54.27	5A	4C	
Kitsap	Dredge Workers	Assistant Engineer	\$56.44	5D	3F	
Kitsap	Dredge Workers	Assistant Mate (Deckhand)	\$56.00	5D	3F	
Kitsap	Dredge Workers	Boatmen	\$56.44	5D	3F	
Kitsap	Dredge Workers	Engineer Welder	\$57.51	5D	3F	
Kitsap	Dredge Workers	Leverman, Hydraulic	\$58.67	5D	3F	
Kitsap	Dredge Workers	Mates	\$56.44	5D	3F	
Kitsap	Dredge Workers	Oiler	\$56.00	5D	3F	
Kitsap	Drywall Applicator	Journey Level	\$54.02	5D	1H	

Kitsap	Drywall Tapers	Journey Level	\$54.07	<u>5P</u>	<u>1E</u>	
Kitsap	Electrical Fixture Maintenance Workers	Journey Level	\$31.74		<u>1</u>	
Kitsap	Electricians - Inside	Journey Level	\$51.26		<u>1</u>	
Kitsap	Electricians - Motor Shop	Craftsman	\$15.37		<u>1</u>	
Kitsap	Electricians - Motor Shop	Journey Level	\$14.69		<u>1</u>	
Kitsap	Electricians - Powerline Construction	Cable Splicer	\$69.95	<u>5A</u>	<u>4D</u>	
Kitsap	Electricians - Powerline Construction	Certified Line Welder	\$63.97	<u>5A</u>	<u>4D</u>	
Kitsap	Electricians - Powerline Construction	Groundperson	\$43.62	<u>5A</u>	<u>4D</u>	
Kitsap	Electricians - Powerline Construction	Heavy Line Equipment Operator	\$63.97	<u>5A</u>	<u>4D</u>	
Kitsap	Electricians - Powerline Construction	Journey Level Lineperson	\$63.97	<u>5A</u>	<u>4D</u>	
Kitsap	Electricians - Powerline Construction	Line Equipment Operator	\$53.81	<u>5A</u>	<u>4D</u>	
Kitsap	Electricians - Powerline Construction	Pole Sprayer	\$63.97	<u>5A</u>	<u>4D</u>	
Kitsap	Electricians - Powerline Construction	Powderperson	\$47.55	<u>5A</u>	<u>4D</u>	
Kitsap	Electronic Technicians	Journey Level	\$44.26	<u>7E</u>	<u>1D</u>	
Kitsap	Elevator Constructors	Mechanic	\$82.67	<u>7D</u>	<u>4A</u>	
Kitsap	Elevator Constructors	Mechanic In Charge	\$89.40	<u>7D</u>	<u>4A</u>	
Kitsap	Fabricated Precast Concrete Products	Journey Level - In-Factory Work Only	\$13.50		<u>1</u>	
Kitsap	Fence Erectors	Fence Erector	\$13.80		<u>1</u>	
Kitsap	Fence Erectors	Fence Laborer	\$11.60		<u>1</u>	
Kitsap	Flaggers	Journey Level	\$37.26	<u>7A</u>	<u>3I</u>	
Kitsap	Glaziers	Journey Level	\$56.16	<u>7L</u>	<u>1Y</u>	
Kitsap	Heat & Frost Insulators And Asbestos Workers	Journeyman	\$63.18	<u>5J</u>	<u>1S</u>	
Kitsap	Heating Equipment Mechanics	Journey Level	\$72.83	<u>7F</u>	<u>1E</u>	
Kitsap	Hod Carriers & Mason Tenders	Journey Level	\$45.32	<u>7A</u>	<u>3I</u>	
Kitsap	Industrial Power Vacuum Cleaner	Journey Level	\$29.89		<u>1</u>	
Kitsap	Inland Boatmen	Boat Operator	\$56.78	<u>5B</u>	<u>1K</u>	
Kitsap	Inland Boatmen	Cook	\$53.30	<u>5B</u>	<u>1K</u>	
Kitsap	Inland Boatmen	Deckhand	\$53.30	<u>5B</u>	<u>1K</u>	
Kitsap	Inland Boatmen	Deckhand Engineer	\$54.32	<u>5B</u>	<u>1K</u>	
Kitsap	Inland Boatmen	Launch Operator	\$55.57	<u>5B</u>	<u>1K</u>	
Kitsap	Inland Boatmen	Mate	\$55.57	<u>5B</u>	<u>1K</u>	
Kitsap	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Cleaner Operator, Foamer Operator	\$9.73		<u>1</u>	
Kitsap	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Grout Truck Operator	\$11.48		<u>1</u>	
Kitsap	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Head Operator	\$12.78		<u>1</u>	

Kitsap	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Tv Truck Operator	\$24.17		<u>1</u>	
Kitsap	Insulation Applicators	Journey Level	\$54.02	<u>5D</u>	<u>4C</u>	
Kitsap	Ironworkers	Journeyman	\$63.53	<u>7N</u>	<u>10</u>	
Kitsap	Laborers	Air, Gas Or Electric Vibrating Screed	\$43.95	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Airtrac Drill Operator	\$45.32	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Ballast Regular Machine	\$43.95	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Batch Weighman	\$37.26	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Brick Pavers	\$43.95	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Brush Cutter	\$43.95	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Brush Hog Feeder	\$43.95	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Burner	\$43.95	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Caisson Worker	\$45.32	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Carpenter Tender	\$43.95	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Caulker	\$43.95	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Cement Dumper-paving	\$44.76	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Cement Finisher Tender	\$43.95	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Change House Or Dry Shack	\$43.95	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Chipping Gun (under 30 Lbs.)	\$43.95	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Chipping Gun(30 Lbs. And Over)	\$44.76	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Choker Setter	\$43.95	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Chuck Tender	\$43.95	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Clary Power Spreader	\$44.76	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Clean-up Laborer	\$43.95	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Concrete Dumper/chute Operator	\$44.76	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Concrete Form Stripper	\$43.95	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Concrete Placement Crew	\$44.76	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Concrete Saw Operator/core Driller	\$44.76	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Crusher Feeder	\$37.26	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Curing Laborer	\$43.95	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Demolition: Wrecking & Moving (incl. Charred Material)	\$43.95	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Ditch Digger	\$43.95	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Diver	\$45.32	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Drill Operator (hydraulic,diamond)	\$44.76	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Dry Stack Walls	\$43.95	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Dump Person	\$43.95	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Epoxy Technician	\$43.95	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Erosion Control Worker	\$43.95	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Faller & Bucker Chain Saw	\$44.76	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Fine Graders	\$43.95	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Firewatch	\$37.26	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Form Setter	\$43.95	<u>7A</u>	<u>3I</u>	

Kitsap	Laborers	Gabian Basket Builders	\$43.95	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	General Laborer	\$43.95	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Grade Checker & Transit Person	\$45.32	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Grinders	\$43.95	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Grout Machine Tender	\$43.95	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Groutmen (pressure)including Post Tension Beams	\$44.76	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Guardrail Erector	\$43.95	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Hazardous Waste Worker (level A)	\$45.32	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Hazardous Waste Worker (level B)	\$44.76	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Hazardous Waste Worker (level C)	\$43.95	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	High Scaler	\$45.32	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Jackhammer	\$44.76	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Laserbeam Operator	\$44.76	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Maintenance Person	\$43.95	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Manhole Builder-mudman	\$44.76	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Material Yard Person	\$43.95	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Motorman-dinky Locomotive	\$44.76	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Nozzleman (concrete Pump, Green Cutter When Using Combination Of High Pressure Air & Water On Concrete & Rock, Sandblast, Gunite, Shotcrete, Water Bla	\$44.76	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Pavement Breaker	\$44.76	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Pilot Car	\$37.26	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Pipe Layer Lead	\$45.32	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Pipe Layer/tailor	\$44.76	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Pipe Pot Tender	\$44.76	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Pipe Reliner	\$44.76	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Pipe Wrapper	\$44.76	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Pot Tender	\$43.95	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Powderman	\$45.32	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Powderman's Helper	\$43.95	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Power Jacks	\$44.76	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Railroad Spike Puller - Power	\$44.76	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Raker - Asphalt	\$45.32	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Re-timberman	\$45.32	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Remote Equipment Operator	\$44.76	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Rigger/signal Person	\$44.76	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Rip Rap Person	\$43.95	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Rivet Buster	\$44.76	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Rodder	\$44.76	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Scaffold Erector	\$43.95	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Scale Person	\$43.95	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Sloper (over 20")	\$44.76	<u>7A</u>	<u>3I</u>	

Kitsap	Laborers	Sloper Sprayer	\$43.95	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Spreader (concrete)	\$44.76	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Stake Hopper	\$43.95	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Stock Piler	\$43.95	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Tamper & Similar Electric, Air & Gas Operated Tools	\$44.76	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Tamper (multiple & Self-propelled)	\$44.76	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Timber Person - Sewer (lagger, Shorer & Cribber)	\$44.76	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Toolroom Person (at Jobsite)	\$43.95	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Topper	\$43.95	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Track Laborer	\$43.95	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Track Liner (power)	\$44.76	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Traffic Control Laborer	\$39.84	<u>7A</u>	<u>3I</u>	<u>8R</u>
Kitsap	Laborers	Traffic Control Supervisor	\$39.84	<u>7A</u>	<u>3I</u>	<u>8R</u>
Kitsap	Laborers	Truck Spotter	\$43.95	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Tugger Operator	\$44.76	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Tunnel Work-Compressed Air Worker 0-30 psi	\$74.29	<u>7A</u>	<u>3I</u>	<u>8Q</u>
Kitsap	Laborers	Tunnel Work-Compressed Air Worker 30.01-44.00 psi	\$79.32	<u>7A</u>	<u>3I</u>	<u>8Q</u>
Kitsap	Laborers	Tunnel Work-Compressed Air Worker 44.01-54.00 psi	\$83.00	<u>7A</u>	<u>3I</u>	<u>8Q</u>
Kitsap	Laborers	Tunnel Work-Compressed Air Worker 54.01-60.00 psi	\$88.70	<u>7A</u>	<u>3I</u>	<u>8Q</u>
Kitsap	Laborers	Tunnel Work-Compressed Air Worker 60.01-64.00 psi	\$90.82	<u>7A</u>	<u>3I</u>	<u>8Q</u>
Kitsap	Laborers	Tunnel Work-Compressed Air Worker 64.01-68.00 psi	\$95.92	<u>7A</u>	<u>3I</u>	<u>8Q</u>
Kitsap	Laborers	Tunnel Work-Compressed Air Worker 68.01-70.00 psi	\$97.82	<u>7A</u>	<u>3I</u>	<u>8Q</u>
Kitsap	Laborers	Tunnel Work-Compressed Air Worker 70.01-72.00 psi	\$99.82	<u>7A</u>	<u>3I</u>	<u>8Q</u>
Kitsap	Laborers	Tunnel Work-Compressed Air Worker 72.01-74.00 psi	\$101.82	<u>7A</u>	<u>3I</u>	<u>8Q</u>
Kitsap	Laborers	Tunnel Work-Guage and Lock Tender	\$45.42	<u>7A</u>	<u>3I</u>	<u>8Q</u>
Kitsap	Laborers	Tunnel Work-Miner	\$45.42	<u>7A</u>	<u>3I</u>	<u>8Q</u>
Kitsap	Laborers	Vibrator	\$44.76	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Vinyl Seamer	\$43.95	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Watchman	\$33.86	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Welder	\$44.76	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Well Point Laborer	\$44.76	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers	Window Washer/cleaner	\$33.86	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers - Underground Sewer & Water	General Laborer & Topman	\$43.95	<u>7A</u>	<u>3I</u>	
Kitsap	Laborers - Underground Sewer & Water	Pipe Layer	\$44.76	<u>7A</u>	<u>3I</u>	
Kitsap	Landscape Construction	Irrigation Or Lawn Sprinkler Installers	\$9.47		<u>1</u>	

Kitsap	Landscape Construction	Landscape Equipment Operators Or Truck Drivers	\$10.05		<u>1</u>	
Kitsap	Landscape Construction	Landscaping Or Planting Laborers	\$12.92		<u>1</u>	
Kitsap	Lathers	JOURNEY LEVEL	\$21.00		<u>1</u>	
Kitsap	Marble Setters	Journey Level	\$52.82	<u>5A</u>	<u>1M</u>	
Kitsap	Metal Fabrication (In Shop)	Fitter	\$26.96		<u>1</u>	
Kitsap	Metal Fabrication (In Shop)	Laborer	\$9.47		<u>1</u>	
Kitsap	Metal Fabrication (In Shop)	Machine Operator	\$13.83		<u>1</u>	
Kitsap	Metal Fabrication (In Shop)	Welder	\$13.83		<u>1</u>	
Kitsap	Millwright	Journey Level	\$44.89		<u>1</u>	
Kitsap	Modular Buildings	Cabinet Assembly	\$11.56		<u>1</u>	
Kitsap	Modular Buildings	Electrician	\$11.56		<u>1</u>	
Kitsap	Modular Buildings	Equipment Maintenance	\$11.56		<u>1</u>	
Kitsap	Modular Buildings	Plumber	\$11.56		<u>1</u>	
Kitsap	Modular Buildings	Production Worker	\$9.47		<u>1</u>	
Kitsap	Modular Buildings	Tool Maintenance	\$11.56		<u>1</u>	
Kitsap	Modular Buildings	Utility Person	\$11.56		<u>1</u>	
Kitsap	Modular Buildings	Welder	\$11.56		<u>1</u>	
Kitsap	Painters	Journey Level	\$37.80	<u>6Z</u>	<u>2B</u>	
Kitsap	Pile Driver	Journey Level	\$54.27	<u>5D</u>	<u>4C</u>	
Kitsap	Plasterers	Journey Level	\$51.68	<u>7Q</u>	<u>1R</u>	
Kitsap	Playground & Park Equipment Installers	Journey Level	\$9.47		<u>1</u>	
Kitsap	Plumbers & Pipefitters	Journey Level	\$63.57	<u>5A</u>	<u>1G</u>	
Kitsap	Power Equipment Operators	Asphalt Plant Operators	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Assistant Engineer	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Barrier Machine (zipper)	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Batch Plant Operator, Concrete	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Bobcat	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Brokk - Remote Demolition Equipment	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Brooms	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Bump Cutter	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Cableways	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Chipper	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Compressor	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Concrete Pump: Truck Mount With Boom Attachment Over 42 M	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Concrete Finish Machine -laser Screed	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure.	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Conveyors	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>

Kitsap	Power Equipment Operators	Cranes Friction: 200 tons and over	\$58.67	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Cranes: 20 Tons Through 44 Tons With Attachments	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Cranes: 100 Tons Through 199 Tons, Or 150' Of Boom (Including Jib With Attachments)	\$57.51	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Cranes: 200 tons- 299 tons, or 250' of boom including jib with attachments	\$58.10	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Cranes: 300 tons and over or 300' of boom including jib with attachments	\$58.67	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Cranes: 45 Tons Through 99 Tons, Under 150' Of Boom (including Jib With Attachments)	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Cranes: A-frame - 10 Tons And Under	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Cranes: Friction cranes through 199 tons	\$58.10	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Cranes: Through 19 Tons With Attachments A-frame Over 10 Tons	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Crusher	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Deck Engineer/deck Winches (power)	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Derricks, On Building Work	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Dozers D-9 & Under	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Drill Oilers: Auger Type, Truck Or Crane Mount	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Drilling Machine	\$57.51	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Elevator And Man-lift: Permanent And Shaft Type	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Finishing Machine, Bidwell And Gamaco & Similar Equipment	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Forklift: 3000 Lbs And Over With Attachments	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Forklifts: Under 3000 Lbs. With Attachments	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Grade Engineer: Using Blue Prints, Cut Sheets, Etc	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Gradechecker/stakeman	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Guardrail Punch	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Horizontal/directional Drill Locator	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>

Kitsap	Power Equipment Operators	Horizontal/directional Drill Operator	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Hydralifts/boom Trucks Over 10 Tons	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Hydralifts/boom Trucks, 10 Tons And Under	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Loader, Overhead 8 Yards. & Over	\$57.51	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Loader, Overhead, 6 Yards. But Not Including 8 Yards	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Loaders, Overhead Under 6 Yards	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Loaders, Plant Feed	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Loaders: Elevating Type Belt	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Locomotives, All	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Material Transfer Device	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Mechanics, All (leadmen - \$0.50 Per Hour Over Mechanic)	\$57.51	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Motor Patrol Graders	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Oil Distributors, Blower Distribution & Mulch Seeding Operator	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Outside Hoists (elevators And Manlifts), Air Tuggers, strato	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Overhead, Bridge Type Crane: 20 Tons Through 44 Tons	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Overhead, Bridge Type: 100 Tons And Over	\$57.51	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Overhead, Bridge Type: 45 Tons Through 99 Tons	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Pavement Breaker	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Pile Driver (other Than Crane Mount)	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Plant Oiler - Asphalt, Crusher	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Posthole Digger, Mechanical	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Power Plant	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Pumps - Water	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Quad 9, Hd 41, D10 And Over	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Quick Tower - No Cab, Under 100 Feet In Height Based To Boom	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Remote Control Operator On Rubber Tired Earth Moving Equipment	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Rigger And Bellman	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Rigger/Signal Person, Bellman (Certified)	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Rollagon	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Roller, Other Than Plant Mix	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>

Kitsap	Power Equipment Operators	Roller, Plant Mix Or Multi-lift Materials	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Roto-mill, Roto-grinder	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Saws - Concrete	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Scraper, Self Propelled Under 45 Yards	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Scrapers - Concrete & Carry All	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Scrapers, Self-propelled: 45 Yards And Over	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Service Engineers - Equipment	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Shotcrete/gunite Equipment	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Shovel , Excavator, Backhoe, Tractors Under 15 Metric Tons.	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	\$57.51	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Shovel, Excavator, Backhoes: Over 90 Metric Tons	\$58.10	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Slipform Pavers	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Spreader, Topsider & Screedman	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Subgrader Trimmer	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Tower Bucket Elevators	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Tower Crane Up To 175' In Height Base To Boom	\$57.51	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Tower Crane: over 175' through 250' in height, base to boom	\$58.10	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Tower Cranes: over 250' in height from base to boom	\$58.67	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Transporters, All Track Or Truck Type	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Trenching Machines	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Truck Crane Oiler/driver - 100 Tons And Over	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Truck Crane Oiler/driver Under 100 Tons	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Truck Mount Portable Conveyor	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Welder	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Wheel Tractors, Farmall Type	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators	Yo Yo Pay Dozer	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Asphalt Plant Operators	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Assistant Engineer	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>

Kitsap	Power Equipment Operators-Underground Sewer & Water	Barrier Machine (zipper)	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Batch Plant Operator, Concrete	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Bobcat	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Brokk - Remote Demolition Equipment	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Brooms	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Bump Cutter	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Cableways	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Chipper	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Compressor	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Concrete Pump: Truck Mount With Boom Attachment Over 42 M	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Concrete Finish Machine -laser Screed	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure.	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Conveyors	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Cranes Friction: 200 tons and over	\$58.67	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Cranes: 20 Tons Through 44 Tons With Attachments	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Cranes: 100 Tons Through 199 Tons, Or 150' Of Boom (Including Jib With Attachments)	\$57.51	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Cranes: 200 tons- 299 tons, or 250' of boom including jib with attachments	\$58.10	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Cranes: 300 tons and over or 300' of boom including jib with attachments	\$58.67	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Cranes: 45 Tons Through 99 Tons, Under 150' Of Boom (including Jib With Attachments)	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Cranes: A-frame - 10 Tons And Under	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Cranes: Friction cranes through 199 tons	\$58.10	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water		\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>

		Cranes: Through 19 Tons With Attachments A-frame Over 10 Tons				
Kitsap	Power Equipment Operators-Underground Sewer & Water	Crusher	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Deck Engineer/deck Winches (power)	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Derricks, On Building Work	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Dozers D-9 & Under	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Drill Oilers: Auger Type, Truck Or Crane Mount	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Drilling Machine	\$57.51	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Elevator And Man-lift: Permanent And Shaft Type	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Finishing Machine, Bidwell And Gamaco & Similar Equipment	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Forklift: 3000 Lbs And Over With Attachments	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Forklifts: Under 3000 Lbs. With Attachments	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Grade Engineer: Using Blue Prints, Cut Sheets, Etc	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Gradechecker/stakeman	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Guardrail Punch	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Horizontal/directional Drill Locator	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Horizontal/directional Drill Operator	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Hydralifts/boom Trucks Over 10 Tons	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Hydralifts/boom Trucks, 10 Tons And Under	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Loader, Overhead 8 Yards. & Over	\$57.51	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Loader, Overhead, 6 Yards. But Not Including 8 Yards	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Loaders, Overhead Under 6 Yards	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Loaders, Plant Feed	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Loaders: Elevating Type Belt	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>

Kitsap	Power Equipment Operators-Underground Sewer & Water	Locomotives, All	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Material Transfer Device	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Mechanics, All (leadmen - \$0.50 Per Hour Over Mechanic)	\$57.51	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Motor Patrol Graders	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Oil Distributors, Blower Distribution & Mulch Seeding Operator	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Outside Hoists (elevators And Manlifts), Air Tuggers, strato	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Overhead, Bridge Type Crane: 20 Tons Through 44 Tons	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Overhead, Bridge Type: 100 Tons And Over	\$57.51	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Overhead, Bridge Type: 45 Tons Through 99 Tons	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Pavement Breaker	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Pile Driver (other Than Crane Mount)	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Plant Oiler - Asphalt, Crusher	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Posthole Digger, Mechanical	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Power Plant	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Pumps - Water	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Quad 9, Hd 41, D10 And Over	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Quick Tower - No Cab, Under 100 Feet In Height Based To Boom	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Remote Control Operator On Rubber Tired Earth Moving Equipment	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Rigger And Bellman	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Rigger/Signal Person, Bellman (Certified)	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Rollagon	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Roller, Other Than Plant Mix	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Roller, Plant Mix Or Multi-lift Materials	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap		Roto-mill, Roto-grinder	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>

	Power Equipment Operators-Underground Sewer & Water					
Kitsap	Power Equipment Operators-Underground Sewer & Water	Saws - Concrete	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Scraper, Self Propelled Under 45 Yards	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Scrapers - Concrete & Carry All	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Scrapers, Self-propelled: 45 Yards And Over	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Service Engineers - Equipment	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Shotcrete/gunite Equipment	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Shovel , Excavator, Backhoe, Tractors Under 15 Metric Tons.	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	\$57.51	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoes: Over 90 Metric Tons	\$58.10	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Slipform Pavers	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Spreader, Topsider & Screedman	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Subgrader Trimmer	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Tower Bucket Elevators	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Tower Crane Up To 175' In Height Base To Boom	\$57.51	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Tower Crane: over 175' through 250' in height, base to boom	\$58.10	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Tower Cranes: over 250' in height from base to boom	\$58.67	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Transporters, All Track Or Truck Type	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Trenching Machines	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Truck Crane Oiler/driver - 100 Tons And Over	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Truck Crane Oiler/driver Under 100 Tons	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Truck Mount Portable Conveyor	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Welder	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>

Kitsap	Power Equipment Operators-Underground Sewer & Water	Wheel Tractors, Farmall Type	\$53.57	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Equipment Operators-Underground Sewer & Water	Yo Yo Pay Dozer	\$56.44	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Power Line Clearance Tree Trimmers	Journey Level In Charge	\$45.75	<u>5A</u>	<u>4A</u>	
Kitsap	Power Line Clearance Tree Trimmers	Spray Person	\$43.38	<u>5A</u>	<u>4A</u>	
Kitsap	Power Line Clearance Tree Trimmers	Tree Equipment Operator	\$45.75	<u>5A</u>	<u>4A</u>	
Kitsap	Power Line Clearance Tree Trimmers	Tree Trimmer	\$40.84	<u>5A</u>	<u>4A</u>	
Kitsap	Power Line Clearance Tree Trimmers	Tree Trimmer Groundperson	\$30.74	<u>5A</u>	<u>4A</u>	
Kitsap	Refrigeration & Air Conditioning Mechanics	Mechanic	\$63.57	<u>5A</u>	<u>1G</u>	
Kitsap	Residential Brick Mason	Journey Level	\$17.04		<u>1</u>	
Kitsap	Residential Carpenters	Journey Level	\$40.66	<u>5D</u>	<u>4C</u>	
Kitsap	Residential Cement Masons	Journey Level	\$30.87		<u>1</u>	
Kitsap	Residential Drywall Applicators	Journey Level	\$40.64	<u>5D</u>	<u>4C</u>	
Kitsap	Residential Drywall Tapers	Journey Level	\$20.00		<u>1</u>	
Kitsap	Residential Electricians	Journey Level	\$27.00		<u>1</u>	
Kitsap	Residential Glaziers	Journey Level	\$56.16	<u>7L</u>	<u>1Y</u>	
Kitsap	Residential Insulation Applicators	Journey Level	\$13.96		<u>1</u>	
Kitsap	Residential Laborers	Journey Level	\$16.89		<u>1</u>	
Kitsap	Residential Marble Setters	Journey Level	\$17.04		<u>1</u>	
Kitsap	Residential Painters	Journey Level	\$19.52		<u>1</u>	
Kitsap	Residential Plumbers & Pipefitters	Journey Level	\$21.11		<u>1</u>	
Kitsap	Residential Refrigeration & Air Conditioning Mechanics	Journey Level	\$17.64		<u>1</u>	
Kitsap	Residential Sheet Metal Workers	Journey Level (Field or Shop)	\$28.95		<u>1</u>	
Kitsap	Residential Soft Floor Layers	Journey Level	\$19.38		<u>1</u>	
Kitsap	Residential Sprinkler Fitters (Fire Protection)	Journey Level	\$27.74		<u>1</u>	
Kitsap	Residential Stone Masons	Journey Level	\$52.82	<u>5A</u>	<u>1M</u>	
Kitsap	Residential Terrazzo Workers	Journey Level	\$9.47		<u>1</u>	
Kitsap	Residential Terrazzo/Tile Finishers	Journey Level	\$30.26		<u>1</u>	
Kitsap	Residential Tile Setters	Journey Level	\$31.14		<u>1</u>	
Kitsap	Roofers	Journey Level	\$45.71	<u>5A</u>	<u>3H</u>	
Kitsap	Roofers	Using Irritable Bituminous Materials	\$48.71	<u>5A</u>	<u>3H</u>	
Kitsap	Sheet Metal Workers	Journey Level (Field or Shop)	\$72.83	<u>7F</u>	<u>1E</u>	
Kitsap	Shipbuilding & Ship Repair	CARPENTER	\$19.29		<u>1</u>	
Kitsap	Shipbuilding & Ship Repair	ELECTRICIAN	\$25.53		<u>1</u>	
Kitsap	Shipbuilding & Ship Repair	Heat & Frost Insulator	\$63.18	<u>5J</u>	<u>1S</u>	
Kitsap	Shipbuilding & Ship Repair	Laborer	\$19.64		<u>1</u>	

Kitsap	Shipbuilding & Ship Repair	MACHINIST	\$19.29		<u>1</u>	
Kitsap	Shipbuilding & Ship Repair	OPERATOR	\$19.44		<u>1</u>	
Kitsap	Shipbuilding & Ship Repair	Painter	\$37.80	<u>6Z</u>	<u>2B</u>	
Kitsap	Shipbuilding & Ship Repair	PIPEFITTER	\$19.29		<u>1</u>	
Kitsap	Shipbuilding & Ship Repair	RIGGER	\$19.29		<u>1</u>	
Kitsap	Shipbuilding & Ship Repair	Sheet Metal	\$22.21		<u>1</u>	
Kitsap	Shipbuilding & Ship Repair	SHIPFITTER	\$19.29		<u>1</u>	
Kitsap	Shipbuilding & Ship Repair	WELDER/BURNER	\$19.29		<u>1</u>	
Kitsap	Sign Makers & Installers (Electrical)	Journey Level	\$20.58		<u>1</u>	
Kitsap	Sign Makers & Installers (Non-Electrical)	Journey Level	\$9.47		<u>1</u>	
Kitsap	Soft Floor Layers	Journey Level	\$42.88	<u>5A</u>	<u>3D</u>	
Kitsap	Solar Controls For Windows	Journey Level	\$10.31		<u>1</u>	
Kitsap	Sprinkler Fitters (Fire Protection)	Journey Level	\$69.74	<u>5C</u>	<u>1X</u>	
Kitsap	Stage Rigging Mechanics (Non Structural)	Journey Level	\$13.23		<u>1</u>	
Kitsap	Stone Masons	Journey Level	\$52.82	<u>5A</u>	<u>1M</u>	
Kitsap	Street And Parking Lot Sweeper Workers	Journey Level	\$16.00		<u>1</u>	
Kitsap	Surveyors	Assistant Construction Site Surveyor	\$56.00	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Surveyors	Chainman	\$55.47	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Surveyors	Construction Site Surveyor	\$56.94	<u>7A</u>	<u>3C</u>	<u>8P</u>
Kitsap	Telecommunication Technicians	Journey Level	\$42.07	<u>7E</u>	<u>1E</u>	
Kitsap	Telephone Line Construction - Outside	Cable Splicer	\$37.60	<u>5A</u>	<u>2B</u>	
Kitsap	Telephone Line Construction - Outside	Hole Digger/Ground Person	\$20.79	<u>5A</u>	<u>2B</u>	
Kitsap	Telephone Line Construction - Outside	Installer (Repairer)	\$36.02	<u>5A</u>	<u>2B</u>	
Kitsap	Telephone Line Construction - Outside	Special Aparatus Installer I	\$37.60	<u>5A</u>	<u>2B</u>	
Kitsap	Telephone Line Construction - Outside	Special Apparatus Installer II	\$36.82	<u>5A</u>	<u>2B</u>	
Kitsap	Telephone Line Construction - Outside	Telephone Equipment Operator (Heavy)	\$37.60	<u>5A</u>	<u>2B</u>	
Kitsap	Telephone Line Construction - Outside	Telephone Equipment Operator (Light)	\$34.94	<u>5A</u>	<u>2B</u>	
Kitsap	Telephone Line Construction - Outside	Telephone Lineperson	\$34.93	<u>5A</u>	<u>2B</u>	
Kitsap	Telephone Line Construction - Outside	Television Groundperson	\$19.73	<u>5A</u>	<u>2B</u>	
Kitsap	Telephone Line Construction - Outside	Television Lineperson/Installer	\$26.31	<u>5A</u>	<u>2B</u>	
Kitsap	Telephone Line Construction - Outside	Television System Technician	\$31.50	<u>5A</u>	<u>2B</u>	
Kitsap	Telephone Line Construction - Outside	Television Technician	\$28.23	<u>5A</u>	<u>2B</u>	
Kitsap		Tree Trimmer	\$34.93	<u>5A</u>	<u>2B</u>	

	Telephone Line Construction - Outside					
Kitsap	Terrazzo Workers	Journey Level	\$47.46	<u>5A</u>	<u>1M</u>	
Kitsap	Tile Setters	Journey Level	\$47.46	<u>5A</u>	<u>1M</u>	
Kitsap	Tile, Marble & Terrazzo Finishers	Journey Level	\$12.00		<u>1</u>	
Kitsap	Traffic Control Stripers	Journey Level	\$43.73	<u>7A</u>	<u>1K</u>	
Kitsap	Truck Drivers	Asphalt Mix Over 16 Yards (W. WA-Joint Council 28)	\$49.85	<u>5D</u>	<u>3A</u>	<u>8L</u>
Kitsap	Truck Drivers	Asphalt Mix To 16 Yards (W. WA-Joint Council 28)	\$49.01	<u>5D</u>	<u>3A</u>	<u>8L</u>
Kitsap	Truck Drivers	Dump Truck	\$19.60		<u>1</u>	
Kitsap	Truck Drivers	Dump Truck And Trailer	\$19.60		<u>1</u>	
Kitsap	Truck Drivers	Other Trucks	\$18.37		<u>1</u>	
Kitsap	Truck Drivers	Transit Mixer	\$20.79		<u>1</u>	
Kitsap	Well Drillers & Irrigation Pump Installers	Irrigation Pump Installer	\$13.17		<u>1</u>	
Kitsap	Well Drillers & Irrigation Pump Installers	Oiler	\$14.08		<u>1</u>	
Kitsap	Well Drillers & Irrigation Pump Installers	Well Driller	\$14.40		<u>1</u>	

APPENDIX B
GEOTECHNICAL REPORT FOR OLYMPIC VIEW TRANSFER
STATION PAVEMENT UPGRADE

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Geotechnical Engineering Services

Olympic View Transfer Station
Pavement Upgrade
Kitsap County, Washington

for
KPFF Consulting Engineers

April 8, 2015



Geotechnical Engineering Services

Olympic View Transfer Station
Pavement Upgrade
Kitsap County, Washington

for

KPFF Consulting Engineers

April 8, 2015



1101 South Fawcett Avenue, Suite 200
Tacoma, Washington 98402
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Geotechnical Engineering Services

Olympic View Transfer Station Pavement Upgrade Kitsap County, Washington

File No. 1598-047-00

April 8, 2015

Prepared for:

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Attention: Mark Steepy

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Table of Contents

INTRODUCTION AND PROJECT UNDERSTANDING	1
PURPOSE AND SCOPE OF SERVICES	1
SITE CONDITIONS	2
Surface Conditions.....	2
Subsurface Conditions	3
Previous Explorations	3
GeoEngineers Explorations	3
Soil Conditions	3
Storm Ponds (Test Pits TP-1 through TP-6)	3
Unpaved Area (Test Pits TP-7 and TP-8).....	4
Groundwater	4
STORMWATER INFILTRATION	4
SUBGRADE REACTION MODULUS	5
DISCUSSION AND CONCLUSIONS	5
Infiltration Potential	5
Unpaved Area Subgrade.....	6
LIMITATIONS	7
REFERENCES	7

LIST OF FIGURES

- Figure 1. Vicinity Map
- Figure 2. Site Plan

APPENDICES

- Appendix A. Field Exploration Program and Laboratory Testing
 - Figure A-1 – Key to Exploration Logs
 - Figures A-2 through A-9 – Log of Test Pits
 - Figures A-10 and A-11 – Sieve Analysis Results
- Appendix B. Previous Explorations Performed by Soil & Environmental Engineers (S&EE) in December 2000
- Appendix C. Report Limitations and Guidelines for Use

INTRODUCTION AND PROJECT UNDERSTANDING

This report presents the results of our evaluation of pavement subgrade suitability for a proposed pavement upgrade, and infiltration potential for the existing infiltration ponds at the Olympic View Transfer Station (OVTS) in Kitsap County, Washington. The OVTS facility is located approximately as shown on the Vicinity Map, Figure 1.

Our services have been performed in general accordance with the agreement between GeoEngineers and KPFF Consulting Engineers, which was authorized on January 22, 2015 and revised on March 4, 2015. Our project understanding is based on discussions with you, and information you provided.

We understand an existing gravel-surfaced storage area (Unpaved Area) of the site adjacent to the Waste Transfer Station will be paved with Portland cement concrete (PCC) pavement. We further understand that the approximate existing grades are to be maintained and as a result excavation and removal of the upper soils beneath the Unpaved Area is anticipated. We understand the pavement subgrade will be approximately 1 foot below existing grade of the Unpaved Area.

Stormwater runoff from this area currently flows to an infiltration pond located to the north of the Unpaved Area (North Pond). We understand that the current plan is to redirect runoff to the South Pond (described below) after the proposed paving.

There are two other stormwater ponds that receive runoff from other paved portions of the OVTS facility. These ponds are located east (East Pond) and south (South Pond) of the Unpaved Area. We understand that the North Pond does not appear to infiltrate effectively and that standing water often accumulates in this pond. Accordingly, you have requested an evaluation of infiltration potential for all three ponds. Our assessment is based on the methodology presented in the 2012 Washington State Department of Ecology (Ecology) Stormwater Management Manual for Western Washington (SWMMWW).

PURPOSE AND SCOPE OF SERVICES

The focus of our geotechnical investigation has changed from our original scope (dated January 22, 2015), which included evaluating the existing Unpaved Area subgrade for pavement support and developing an asphalt concrete pavement (ACP) section. At your request we revised our scope on March 4, 2015 to make our primary focus an evaluation of the infiltration potential of the three existing stormwater ponds and perform a more limited assessment of the Unpaved Area as a basis for providing a recommendation for subgrade reaction modulus for PCC pavement design. Our revised scope is presented below:

1. Review existing, readily available subsurface information for nearby properties if available in our files, and a geotechnical report prepared by others for development of the existing improvements at the transfer station.
2. Contact the One Call utility notification service as required by state law. We also retained a private utility service to check for locatable underground utilities at exploration locations not in public right-of-way (ROW).

3. Excavate six backhoe test pits in the existing stormwater ponds using subcontracted equipment. Test pits were excavated with subcontracted trackhoe equipment to observe soil and groundwater conditions and obtain samples for geotechnical testing. The test pits were backfilled on completion with the excavated soils.
4. Excavate two test pits in the gravel-surfaced storage area to evaluate subgrade suitability for construction of PCC pavement.
5. Perform laboratory testing of select samples to include at least four particle size analyses.
6. Estimate typical soil infiltration rates for the existing storm ponds based on empirical correlations between soil gradation and soil permeability. We used procedures described in the current Ecology SWMMWW to estimate soil infiltration rate. We also comment on surface conditions in the ponds with respect to possible siltation that may be reducing infiltration potential.
7. Comment on suitability of the Unpaved Area subgrade for support of PCC pavement.
8. Present the results of our exploration and testing, and our recommendations in a summary report.

SITE CONDITIONS

Surface Conditions

The surface conditions in the ponds varies from pond to pond as well as within each pond. The bottom of the North, East, and South Ponds are at about Elevation 312, 324, and 319 feet, respectively. Elevations were estimated from the topographic contours on the As-Built Composite Utility Plan prepared by W&H Pacific (elevation datum unknown).

When we arrived on site for our exploration it had been raining and there was turbid water standing in a portion of the North Pond. The exposed portion of the North Pond was covered with a black silty sediment layer that becomes desiccated when dried out. In addition, the vegetation around the edge of the pond bottom is covered with the same black silty sediment material that covers the bottom of the pond. There is little to no plant growth on the bottom of the pond. The North Pond continued to fill with turbid water while we were on site. Water discharged to the pond throughout the day and had covered the majority of the pond bottom by the end of the day.

The East Pond bottom is covered with vegetation except for some isolated low spots within the pond where there is a black silty sediment veneer with little to no vegetation. We did not observe water to accumulate in the bottom of the pond while we were on site. The East Pond is a catchment for stormwater drained from paved areas to the south.

The South Pond bottom is also predominantly covered with vegetation apart from low spots within the pond where we observed a black silty sediment veneer with little to no vegetation. Storm runoff accumulates in localized area by the ponds settling basin where we observed a black veneer of silty sediment. The South Pond is a catchment for stormwater drained from paved areas to the south. When we left the site, after the rain had stopped, the standing water within the South Pond had fully infiltrated.

The Unpaved Area is surfaced with a dark brown to black aggregate base material. Trucks park in this area after unloading garbage in the transfer station. There is a catch basin in the approximate center of

the Unpaved Area, which drains to an outlet in the North Pond. The low point in the center of the Unpaved Area is at approximately Elevation 323 feet, based on topographic contour information provided and shown on Figure 2. The ground surface around the perimeter of the Unpaved Area is at about Elevation 324 feet.

Subsurface Conditions

Previous Explorations

As part of our study, we reviewed subsurface boring explorations previously performed by Soil & Environmental Engineers (S&EE) in December 2000. The borings published in a report from S&EE in January 2001 reported that the soils consisted predominantly of medium dense, poorly graded, fine to medium sands (SP) with trace coarse sand and gravel. Borings B-5 and B-6 were performed in the vicinity of the ponds. The log for B-5 notes a stiff silt layer at about Elevation 305 feet. Copies of these boring logs are provided in Appendix B.

GeoEngineers Explorations

We excavated eight test pits on March 11, 2015 using a trackhoe and operator subcontracted to GeoEngineers. The explorations extended to depths of approximately 2.5 to 6 feet below ground surface (bgs) at the locations shown on Figure 2.

The test pits were continuously monitored by a representative of our firm who visually examined and classified the soils encountered obtained representative soil samples, and prepared a detailed log of each test pit. The logs are based on our interpretation of our field observations and laboratory test results, and indicate the depths at which the subsurface conditions change, although the change may be gradual. A more detailed description of our subsurface exploration including a log of each test pit is presented in Appendix A

Soil Conditions

Storm Ponds (Test Pits TP-1 through TP-6)

We encountered variable soil conditions at the locations of test pits. TP-1 through TP-6 generally disclosed alternating layers of sand, sand with silt, silty sand, sandy silt and silt with sand. Soils were observed to be in a moist condition.

In TP-1 (North Pond) we observed black sandy silt from ground surface to a depth of about 6 inches and underlain by silty sand, which is in turn underlain by a layer of sandy silt, which extends to a depth that varied between about 1.5 and 4 feet across the width of the pit and is underlain by sand to the depth explored. The sand within all the layers is predominantly fine grained. We did not observe any silt layers in TP-2, however, the soil to a depth of 1.5 feet comprised silty fine sand.

Soil in TP-3 and TP-4 (East Pond) consisted predominantly of sand with variable silt content and silty sand. We observed a layer of stiff silt at a depth of about 1.25 feet in TP-3. The sand layers in these test pits appeared to range from fine to medium grained.

We observed several stiff silt and sandy silt layers between a depth of 2.5 and 4.5 feet in TP-5. The silt layers are overlain by and interbedded with fine sand layers with variable silt content. We encountered fine sand from ground surface to the depth explored in TP-6.

Unpaved Area (Test Pits TP-7 and TP-8)

In test pits TP-7 and TP-8, we encountered a layer of aggregate base at the ground surface, underlain by a layer of recycled crushed glass fill, which is underlain by a filter fabric. Below the filter fabric, the soils consisted predominantly of sands and gravels with silt and trace organics. Based on review of grading plans provided it appears the material encountered below the recycled glass in TP-7 and TP-8 is granular fill that was probably derived from on-site native soils. Based on our observations and probing the fill appears to be in a well compacted condition to the depths explored.

Groundwater

We did not observe groundwater during excavation of any of the test pits. S&EE reports that groundwater was not encountered in the borings that they performed in this portion of the site. Borings B-5 and B-6 were drilled to a depth of about 21.5 feet, which corresponds to about Elevation 305 feet, based on the topographic information we reviewed.

Perched groundwater can occur where relatively permeable material is underlain by less permeable material. We expect the depth of groundwater to vary with season and precipitation.

STORMWATER INFILTRATION

Select soil samples obtained from test pits TP-1 TP-3, TP-4, TP-5 and TP-6 were tested in general accordance with applicable ASTM test procedures to determine the grain-size distribution and/or percent fines for the purposes of assessing infiltration potential. The results of grain-size distribution testing performed for this study are presented on Figures A-10 and A-11. The infiltration potential of soils encountered was evaluated based on soil grain-size distribution tests using methods described in the 2012 SWMMWW. We evaluated the potential saturated hydraulic conductivity using the following formula:

$$K_{sat} = CF_T * 10^{(-1.57 + 1.9D_{10} + 0.015D_{60} - 0.013D_{90} - 2.08f_{fines})}$$

Where:

K_{sat}	=	Saturated hydraulic conductivity in centimeters per second.
D_{10}	=	Grain size in millimeters where 10 percent of the sample is smaller.
D_{60}	=	Grain size in millimeters where 60 percent of the sample is smaller.
D_{90}	=	Grain size in millimeters where 90 percent of the sample is smaller.
CF_T	=	Total Correction Factor based on site variability, number of test pits performed, test method, and degree of influent control to prevent siltation and bio-buildup.
f_{fines}	=	Fraction of the sample that passes the U.S. No. 200 sieve.

The estimated infiltrations rates provided in Table 1 are based on our project understanding and assumptions, laboratory testing results, the 2012 SWMMWW, and our experience.

TABLE 1. SOIL INFILTRATION RATES BASED ON GRAIN-SIZE DISTRIBUTION ANALYSIS

Test Pit	Soil Sample No.	Sample Depth (feet)	Sample Elevation ¹ (feet)	USCS Soil Classification ²	Infiltration Rate of Individual Soil Layer (inches per hour) ³
TP-1	S3	0.5	311.5	SM	1.6
TP-4	S2	0.25	323.75	SP-SM	5.0
TP-6	S1	2	317	SP	11.0

Notes:

¹ Elevation of sample based on interpolation between contours of surface elevations at approximate test pit location

² Soil classification based on sieve results and in general accordance with ASTM D 2487.

³ Based on the 2012 SWMMWW, Volume III, Section 3.3.6 Equation 1.

The values presented above are for the test pits performed in a particular area at a particular elevation and represent an estimate of infiltration rates for the individual soil layers tested in the laboratory. Location-specific field or laboratory infiltration testing in accordance with local regulations should be considered to develop final design infiltration values.

We understand that stormwater flows from the new Unpaved Area and facility roof drains that used to discharge to the North Pond, will be redirected to the South Pond. In addition, an overflow will be constructed from the South Pond to the North Pond which will be rehabilitated to improve infiltration. Accordingly, you do not anticipate an overall increase in stormwater quantities for the facility, merely a rerouting of existing quantities.

We further understand that based on observations by facility personnel the South Pond rarely has more than one to two feet of stormwater accumulation after a significant rain event, and that at other times the pond is usually empty which suggests that this pond could accommodate additional storm flow. Based on these observations and our testing, it is our opinion that the South Pond can be evaluated for inflow capacity using a conservative design infiltration rate of 7 inches per hour.

SUBGRADE REACTION MODULUS

We estimated a subgrade reaction modulus for the Unpaved Area subgrade using correlations with the ASTM International (ASTM) soil classification system presented by the Portland Cement Association. Based on a soil classification of poorly graded sand with gravel (SP) obtained from laboratory sieve analysis of the subgrade and our field observations the modulus of subgrade reaction is estimated to be 250 pounds per cubic inch (pci).

DISCUSSION AND CONCLUSIONS

Infiltration Potential

Based on observation of the current conditions in the test pits and laboratory test results it is our opinion that the infiltration potential of the North Pond is very low and is being limited by a thin veneer of sediment and by layers of silty fine sand and sandy silt present at shallow depth beneath a portion of this pond. We believe that sediment within the turbid stormwater from the Unpaved Area may have reduced

the infiltration potential of this pond over time. The generally fine-grained character of the sand below the pond also makes it particularly susceptible to clogging when turbid water is infiltrated.

To improve the infiltration rate within the North Pond we recommend removing the sediment build-up and excavating the underlying silty sand and sandy silt layer where present. Based on our test pit results this could require excavating to depths ranging up to 4 feet below pond bottom. As an alternative the excavation and removal of low permeability soil could be limited to about 6 to 12 inches provided a trench drain is excavated along the long axis of the pond and penetrates the sand that underlies the silt layer. The pond subgrade should be sloped to drain to the trench which should be backfilled with washed gravel wrapped in a non-woven filter fabric. The low permeability material removed from the pond bottom should be replaced with free-draining sand and gravel with less than 5 percent fines based on the minus ¾-inch fraction.

Based on our test pits, shallow, low permeability silt layers are also present beneath portions of the East Pond and the South Pond. Excavation and replacement of these layers with more permeable soil could be considered if additional infiltration potential is required. However, this might not be practical for the South Pond where the low permeability silt layers we observed were encountered between 2.5 and 4.5 feet below existing pond bottom subgrade. Based on the conditions reported in the referenced S&EE logs there are other low permeability layers present at lower elevations within the soil profile. However, as discussed above it is our understanding that the South Pond is performing well under the current conditions and there appears to be adequate vertical separation between pond bottom and the silt layer reported by S&EE.

Compacted soil in the pond bottom will reduce the infiltration rate. Therefore, during all excavation activities to remove low permeability soils within the ponds it is recommended that construction traffic be limited to tracked equipment in the bottom of the ponds, and that traffic is prohibited from crossing final excavations within the pond.

Although sediment build-up is not as prevalent in the East Pond and South Pond, monitoring of the sediment that enters into and builds up in the ponds should be performed regularly. This will allow the identification of sediment build ups that would decrease pond infiltration rates.

Unpaved Area Subgrade

The subsurface of the Unpaved Area is underlain by a layer of aggregate base over a layer of recycled crushed glass fill. Beneath the recycled crushed glass is a filter fabric that overlies well compacted fill. The combined thickness of the aggregate base and recycled crushed glass ranges from 1 foot to 1.5 feet at the exploration locations. Depending on the new pavement section thickness and the depth to which material is removed to achieve subgrade elevation the recycled crushed glass fill and filter fabric may only be partially removed. Preserving the filter fabric during regrading for the new pavement may not be practical. We recommend that the aggregate base, recycled crushed glass, and filter fabric be removed completely. After the fill and filter fabric is removed, we recommend that the exposed subgrade be recompacted to a firm and unyielding condition and then proofrolled. Soft or loose areas disclosed by proofrolling must be recompacted or overexcavated and replaced with compacted structural fill.

We recommend that all fill placed within the Unpaved Area, be compacted to a firm and unyielding condition. Fill and backfill material must be placed in uniform, horizontal lifts and uniformly densified

with vibratory compaction equipment. The maximum lift thickness will vary depending on the material and compaction equipment used, but should generally not exceed 10 inches in thickness. We recommend structural fill be compacted to at least 95 percent of maximum dry density (MDD) as determined by ASTM D 1557 test method.

The granular on-site soil may be considered for use as fill, provided that it is properly moisture conditioned and can be compacted to a dense non-yielding condition. The fine-grained soils (silts) are not suitable for use as fill and should only be considered for use in non-structural areas.

The granular soil observed in our explorations is typically fine grained and contains enough fines to be moisture sensitive (very sensitive to small changes in moisture content). It may be difficult, if not impossible, to work and compact these materials during wet weather conditions. The on-site granular soil may only be suitable for use as fill during extended periods of dry weather and will require moisture conditioning to near optimum moisture content for compaction.

If imported fill is needed, we recommend using fill consisting of well-graded sand and gravel or crushed rock with a maximum particle size of 6 inches and less than 5 percent fines by weight based on the minus ¾-inch fraction. Organic matter, debris or other deleterious material must not be present. In our opinion, material conforming to Washington State Department of Transportation (WSDOT) Standard Specifications 9-03.10 "Aggregate for Gravel Base" is suitable for use as imported fill material to establish pavement subgrade during wet weather, with the exception that the fines content must be 5 percent or less. In addition, some larger particle sizes are acceptable, as described above. If prolonged dry weather prevails during the earthwork phase of construction, a somewhat higher fines content may be acceptable.

LIMITATIONS

We have prepared this report for the exclusive use of KPFF Consulting Engineers and their authorized agents for the proposed Olympic View Transfer Station project located in Kitsap County, Washington.

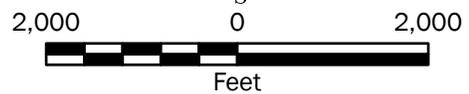
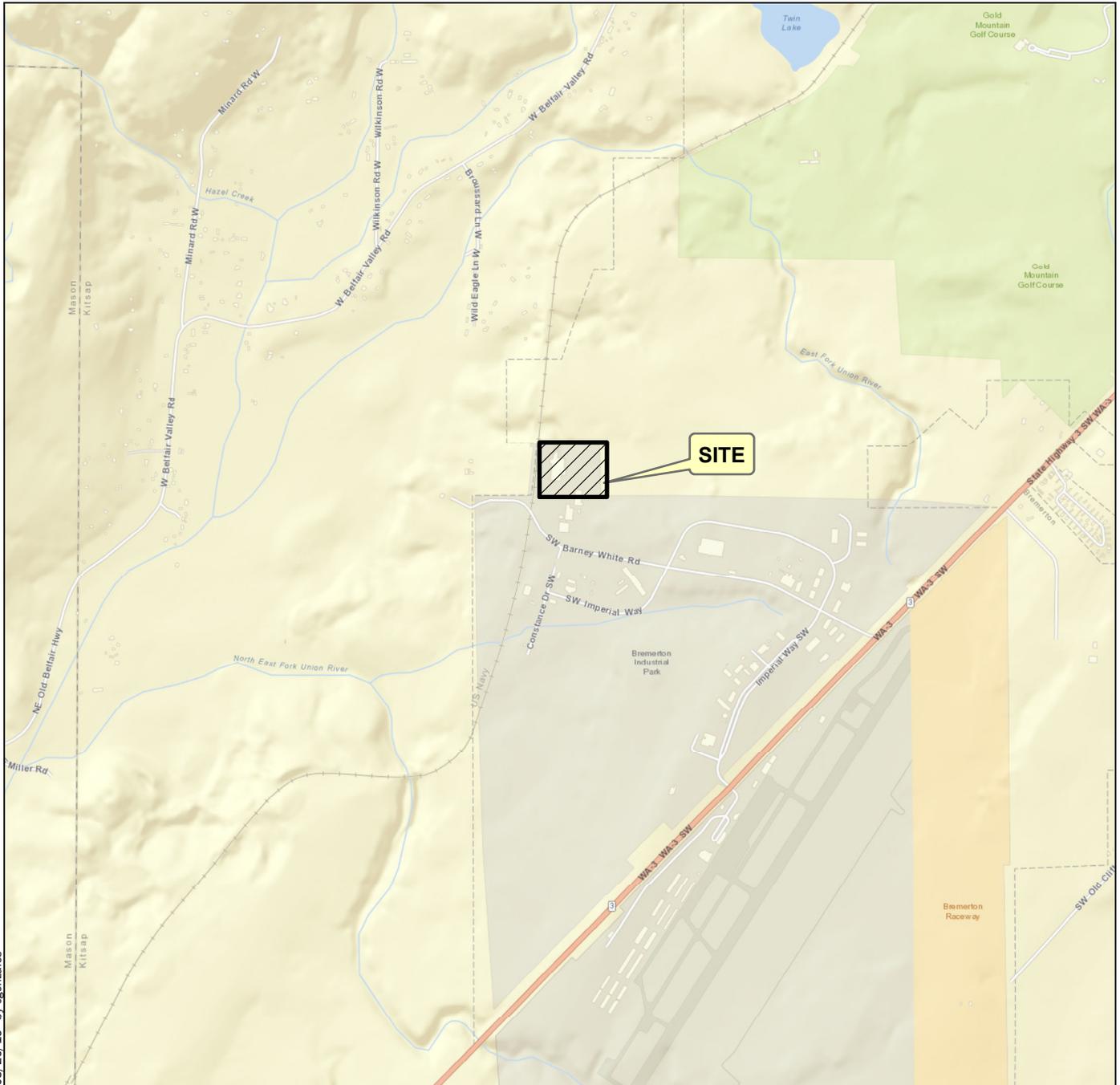
Within the limitations of scope, schedule and budget, our services have been executed in accordance with generally accepted practices in the field of geotechnical engineering in this area at the time this report was prepared. No warranty or other conditions, express or implied, should be understood.

Please refer to Appendix C titled "Report Limitations and Guidelines for Use" for additional information pertaining to use of this report.

REFERENCES

Washington State Department of Ecology, 2012 Stormwater Management Manual for Western Washington, Volume 3, Chapter 3. December 2014
<https://fortress.wa.gov/ecy/publications/SummaryPages/1410055.html>

Portland Cement Association, Thickness Design for Concrete Highway and Street Pavements, EB109P, 1984.



Vicinity Map

Olympic View Transfer Station Pavement Upgrade
Kitsap County, Washington



Figure 1

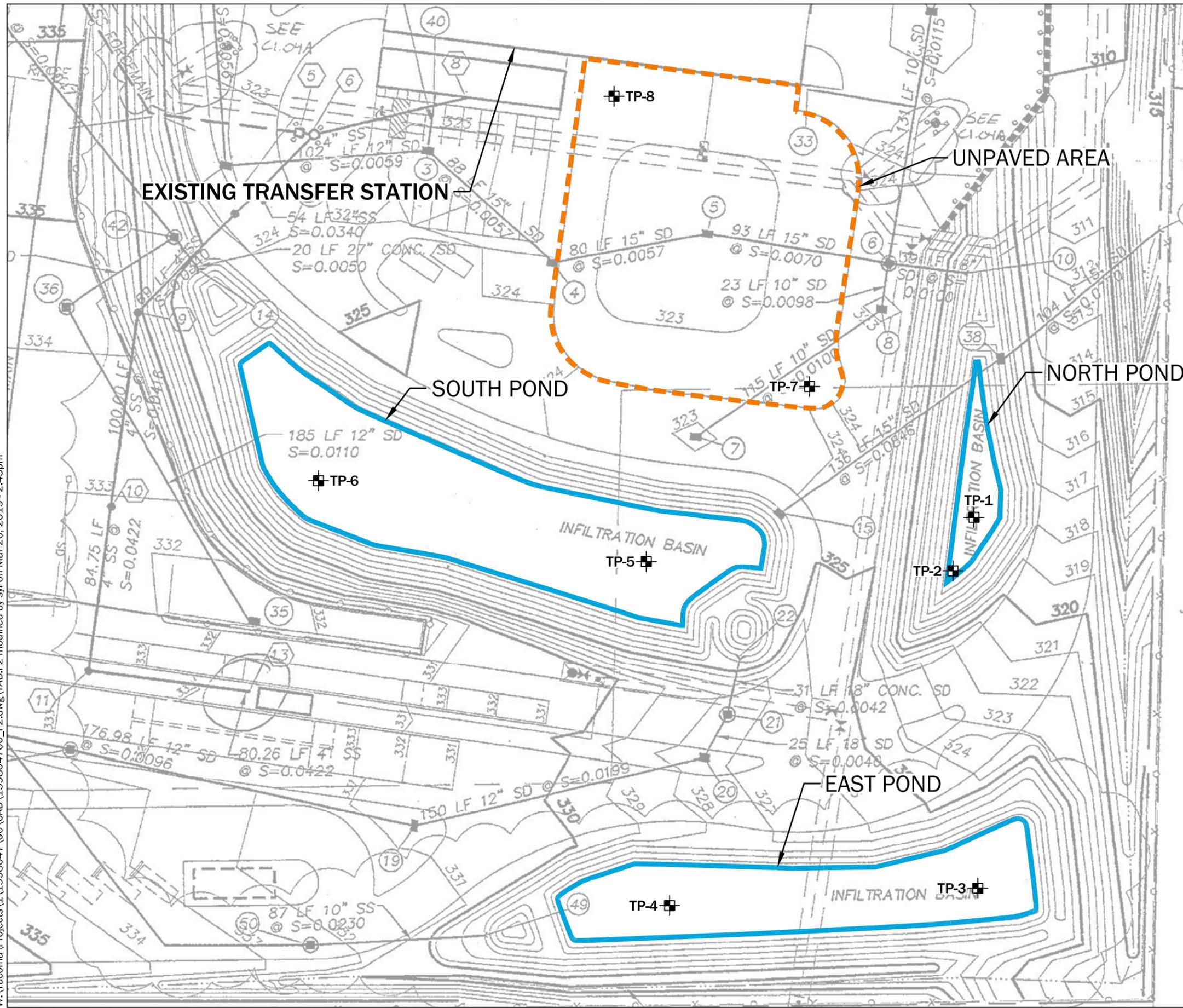
Notes:

1. The locations of all features shown are approximate.
2. This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. cannot guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.

Data Source: ESRI Data & Maps

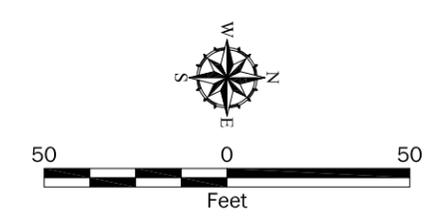
Projection: NAD 1983 UTM Zone 10N

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Legend

TP-1 Test pit number and approximate location



Notes:

1. The locations of all features shown are approximate.
2. This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. cannot guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.

Reference: PDF into raster image provided by W&H Pacific.

Site Plan	
Olympic View Transfer Station Pavement Upgrade Kitsap County, Washington	
	Figure 2

APPENDIX A
Field Exploration Program and Laboratory Testing

APPENDIX A FIELD EXPLORATION PROGRAM AND LABORATORY TESTING

Field Exploration

Subsurface soil and groundwater conditions at the existing stormwater ponds and Unpaved Area at the Kitsap County Olympic View Transfer Station site were evaluated by excavating test pits (TP) at the approximate locations shown on the attached Site Plan. TP-1 and TP-3 through TP-8 were advanced to a depth between 5 and 6 feet below ground surface (bgs). TP-2 was advanced to a depth of 2.5 feet. The test pits were excavated by Green Earthworks Construction from Tacoma, Washington using a Takeuchi TB 235 excavator with a 2-foot wide bucket under subcontract to GeoEngineers.

The test pits were continuously monitored by a representative of our firm who examined and classified the soils encountered, obtained representative soil samples observed and prepared a detailed log of each exploration. Representative soil samples were collected at each soil strata encountered and details were maintained on a log of the explorations.

Soil encountered in each exploration was visually classified in general accordance with the classification system described in Figure A-1. Logs of the test pits are presented in Figures A-2 through A-9. The test pit logs are based on our interpretation of the field and laboratory data and indicate the various types of sand and silt encountered. They also indicate the depths at which the soil types or their characteristics change, although the change may actually be gradual. The densities noted on the test pit logs are based on the probing and our judgment based on conditions observed.

Laboratory Testing

Soil samples obtained from the test pits were transported to GeoEngineers laboratory. Representative soil samples were selected for laboratory tests to evaluate the pertinent geotechnical engineering characteristics of the site soils and to confirm our field classification.

Particle size analyses were performed on selected samples in general accordance with ASTM International (ASTM) D 422 testing method. This test method covers the quantitative determination of the distribution of particle sizes in soils. Typically, the distribution of particle sizes larger than 75 micrometers (μm) is determined by sieving. The results of the tests were used to classify the soil and develop the soil descriptions presented on the logs, and in our assessment of soil infiltration potential. The results of the tests were used to verify field soil classifications and are presented in Figures A-10 and A-11.

SOIL CLASSIFICATION CHART

MAJOR DIVISIONS			SYMBOLS		TYPICAL DESCRIPTIONS
			GRAPH	LETTER	
COARSE GRAINED SOILS MORE THAN 50% RETAINED ON NO. 200 SIEVE	GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE	CLEAN GRAVELS <small>(LITTLE OR NO FINES)</small>		GW	WELL-GRADED GRAVELS, GRAVEL - SAND MIXTURES
		GRAVELS WITH FINES <small>(APPRECIABLE AMOUNT OF FINES)</small>		GP	POORLY-GRADED GRAVELS, GRAVEL - SAND MIXTURES
		CLEAN SANDS <small>(LITTLE OR NO FINES)</small>		GM	SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURES
		SANDS WITH FINES <small>(APPRECIABLE AMOUNT OF FINES)</small>		GC	CLAYEY GRAVELS, GRAVEL - SAND - CLAY MIXTURES
	SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING NO. 4 SIEVE	CLEAN SANDS <small>(LITTLE OR NO FINES)</small>		SW	WELL-GRADED SANDS, GRAVELLY SANDS
		SANDS WITH FINES <small>(APPRECIABLE AMOUNT OF FINES)</small>		SP	POORLY-GRADED SANDS, GRAVELLY SAND
		SANDS WITH FINES <small>(APPRECIABLE AMOUNT OF FINES)</small>		SM	SILTY SANDS, SAND - SILT MIXTURES
		SANDS WITH FINES <small>(APPRECIABLE AMOUNT OF FINES)</small>		SC	CLAYEY SANDS, SAND - CLAY MIXTURES
FINE GRAINED SOILS MORE THAN 50% PASSING NO. 200 SIEVE	SILTS AND CLAYS LIQUID LIMIT LESS THAN 50	SILTS AND CLAYS		ML	INORGANIC SILTS, ROCK FLOUR, CLAYEY SILTS WITH SLIGHT PLASTICITY
		SILTS AND CLAYS		CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
		SILTS AND CLAYS		OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
	SILTS AND CLAYS LIQUID LIMIT GREATER THAN 50	SILTS AND CLAYS		MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS SILTY SOILS
		SILTS AND CLAYS		CH	INORGANIC CLAYS OF HIGH PLASTICITY
		SILTS AND CLAYS		OH	ORGANIC CLAYS AND SILTS OF MEDIUM TO HIGH PLASTICITY
HIGHLY ORGANIC SOILS			PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS	

NOTE: Multiple symbols are used to indicate borderline or dual soil classifications

Sampler Symbol Descriptions

	2.4-inch I.D. split barrel
	Standard Penetration Test (SPT)
	Shelby tube
	Piston
	Direct-Push
	Bulk or grab

Blowcount is recorded for driven samplers as the number of blows required to advance sampler 12 inches (or distance noted). See exploration log for hammer weight and drop.

A "P" indicates sampler pushed using the weight of the drill rig.

ADDITIONAL MATERIAL SYMBOLS

SYMBOLS		TYPICAL DESCRIPTIONS
GRAPH	LETTER	
	AC	Asphalt Concrete
	CC	Cement Concrete
	CR	Crushed Rock/Quarry Spalls
	TS	Topsoil/Forest Duff/Sod

Groundwater Contact



Measured groundwater level in exploration, well, or piezometer



Measured free product in well or piezometer

Graphic Log Contact



Distinct contact between soil strata or geologic units



Approximate location of soil strata change within a geologic soil unit

Material Description Contact



Distinct contact between soil strata or geologic units



Approximate location of soil strata change within a geologic soil unit

Laboratory / Field Tests

%F	Percent fines
AL	Atterberg limits
CA	Chemical analysis
CP	Laboratory compaction test
CS	Consolidation test
DS	Direct shear
HA	Hydrometer analysis
MC	Moisture content
MD	Moisture content and dry density
OC	Organic content
PM	Permeability or hydraulic conductivity
PI	Plasticity index
PP	Pocket penetrometer
PPM	Parts per million
SA	Sieve analysis
TX	Triaxial compression
UC	Unconfined compression
VS	Vane shear

Sheen Classification

NS	No Visible Sheen
SS	Slight Sheen
MS	Moderate Sheen
HS	Heavy Sheen
NT	Not Tested

NOTE: The reader must refer to the discussion in the report text and the logs of explorations for a proper understanding of subsurface conditions. Descriptions on the logs apply only at the specific exploration locations and at the time the explorations were made; they are not warranted to be representative of subsurface conditions at other locations or times.

KEY TO EXPLORATION LOGS

Date Excavated: 3/11/2015
 Equipment: Takeuchi TB 235

Logged By: BTK
 Total Depth (ft) 5.5

Elevation (feet)	Depth (feet)	SAMPLE		Group Classification	Encountered Water	MATERIAL DESCRIPTION	Moisture Content, %	REMARKS
		Testing Sample	Sample Name Testing					
311	1	X	2	SA	ML	Black sandy silt with organic matter (marsh grass, wood chunks) overlain by 1 to 2 inches black silt sediment with organic matter (moist)	32	Sample 1 is from surface sediment layer %F=51.2 %F=27.1 Silt layer encountered from 1 to 1.5 feet bgs on west side of test pit and from 1 to 4 feet bgs on the east side
			3	SA	SM	Gray silty fine sand (dense, moist)	12	
			4		ML	Gray sandy silt, iron oxide staining (medium stiff to stiff, moist)	25	
			5		SP	Gray fine sand (medium dense, dry to moist)		
310	2	X	5	SA			25	Sample 5 gathered at 2 feet bgs in sandy silt layer on east side of test pit %F=64.4
308	3	X	6					
308	4							
307	5							

Test pit completed at 5.5 feet
 No groundwater seepage observed
 No caving observed

Notes: See Figure A-1 for explanation of symbols.
 The depths on the test pit logs are based on an average of measurements across the test pit and should be considered accurate to 0.5 foot.

Log of Test Pit TP-1



Project: Olympic View Transfer Station Pavement Upgrade
 Project Location: Kitsap County, Washington
 Project Number: 1598-047-00

Tacoma: Date: 3/26/15 Path: P:\11598047\GINT\159804700.GPJ DBTemplate\LIB\Template:GEOENGINEERS8.GDT\GEI8_TESTPIT_1P_GEOTEC

Date Excavated: 3/11/2015
 Equipment: Takeuchi TB 235

Logged By: BTK
 Total Depth (ft) 2.5

Elevation (feet)	Depth (feet)	SAMPLE		Group Classification	Encountered Water	MATERIAL DESCRIPTION	Moisture Content, %	REMARKS
		Testing Sample	Sample Name Testing					
311	1		1	TS		Dark brown topsoil (loose to medium dense, moist)		
				SM		Brown silty fine sand, trace organic matter (roots) (medium dense, moist)		
310	2		2	SP		Gray fine sand with trace silt (medium dense, moist)		

Test pit completed at 2.5 feet
 No groundwater seepage observed
 No caving observed

Notes: See Figure A-1 for explanation of symbols.
 The depths on the test pit logs are based on an average of measurements across the test pit and should be considered accurate to 0.5 foot.

Log of Test Pit TP-2



Project: Olympic View Transfer Station Pavement Upgrade
 Project Location: Kitsap County, Washington
 Project Number: 1598-047-00

Figure A-3
 Sheet 1 of 1

Date Excavated: 3/11/2015
 Equipment: Takeuchi TB 235

Logged By: BTK
 Total Depth (ft) 6.0

Elevation (feet)	Depth (feet)	SAMPLE		Graphic Log	Group Classification	Encountered Water	MATERIAL DESCRIPTION	Moisture Content, %	REMARKS
		Testing Sample	Sample Name Testing						
323	1	X	2		SP-SM		Brown fine sand and silt with organic matter (grass) (medium dense, moist) overlain by thin veneer of dark brown to black silt sediment with organic matter	37	%F=96.7
					SM		Gray silty fine sand (dense, moist)		
					ML		Gray silt with trace sand with iron oxide veins (stiff, moist)		
322	2	X	3						
					SP		Gray fine sand with gravel gravel and medium sand (dense, moist)		
321	3	X	4						
320	4								
					SM		Gray silty fine sand (medium dense to dense, moist)		
319	5	X	5						
318	6								

Test pit completed at 6 feet
 No groundwater seepage observed
 No caving observed

Notes: See Figure A-1 for explanation of symbols.
 The depths on the test pit logs are based on an average of measurements across the test pit and should be considered accurate to 0.5 foot.

Log of Test Pit TP-3



Project: Olympic View Transfer Station Pavement Upgrade
 Project Location: Kitsap County, Washington
 Project Number: 1598-047-00

Figure A-4
 Sheet 1 of 1

Tacoma: Date: 3/26/15 Path: P:\11598047\GINT\159804700.GPJ DBTemplate\LIB\Template:GEOENGINEERS8.GDT\GEI8_TESTPIT_1P_GEOTEC

Date Excavated: 3/11/2015
 Equipment: Takeuchi TB 235

Logged By: BTK
 Total Depth (ft) 5.5

Elevation (feet)	Depth (feet)	SAMPLE		Graphic Log	Group Classification	Encountered Water	MATERIAL DESCRIPTION	Moisture Content, %	REMARKS
		Testing Sample	Sample Name Testing						
323	1	⊗	2 SA	[Pattern]	TS		Brown sandy silt topsoil with organic matter (roots and grass) (soft to medium stiff, moist)	10	%F=9.5
					SP-SM		Gray to yellowish-gray fine sand with silt (dense, moist)		
322	2	⊗	3	[Pattern]	SP		Gray fine sand (medium dense, moist)		
321	3			[Pattern]					
320	4			[Pattern]					
319	5			[Pattern]					

Test pit completed at 5.5 feet
 No groundwater seepage observed
 No caving observed

Notes: See Figure A-1 for explanation of symbols.
 The depths on the test pit logs are based on an average of measurements across the test pit and should be considered accurate to 0.5 foot.

Log of Test Pit TP-4



Project: Olympic View Transfer Station Pavement Upgrade
 Project Location: Kitsap County, Washington
 Project Number: 1598-047-00

Figure A-5
 Sheet 1 of 1

Date Excavated: 3/11/2015
 Equipment: Takeuchi TB 235

Logged By: BTK
 Total Depth (ft) 5.5

Elevation (feet)	Depth (feet)	SAMPLE		Graphic Log	Group Classification	Encountered Water	MATERIAL DESCRIPTION	Moisture Content, %	REMARKS
		Testing Sample	Sample Name Testing						
318	1	☒			SP-SM		Gray fine sand with silt (medium dense to dense, moist)		
317	2								
316	2	☒			ML		Gray sandy silt with and iron oxide staining (stiff, dry to moist)		
	3	☒			SP-SM		Gray fine sand with silt (dense, dry to moist)		
	4	☒			ML		Gray silt with sand (stiff, dry to moist)	28	%F=79.6
315	5	☒			SP-SM		Gray fine sand with silt (dense, dry to moist)		
	4	☒			ML		Gray silt with sand (stiff, dry to moist)		
314	5	☒			SP		Gray fine sand, trace silt (dense, dry to moist)		

Test pit completed at 5.5 feet
 No groundwater seepage observed
 No caving observed

Notes: See Figure A-1 for explanation of symbols.
 The depths on the test pit logs are based on an average of measurements across the test pit and should be considered accurate to 0.5 foot.

Log of Test Pit TP-5



Project: Olympic View Transfer Station Pavement Upgrade
 Project Location: Kitsap County, Washington
 Project Number: 1598-047-00

Figure A-6
 Sheet 1 of 1

Date Excavated: 3/11/2015
 Equipment: Takeuchi TB 235

Logged By: BTK
 Total Depth (ft) 5.5

Elevation (feet)	Depth (feet)	SAMPLE		Graphic Log	Group Classification	Encountered Water	MATERIAL DESCRIPTION	Moisture Content, %	REMARKS
		Testing Sample	Sample Name Testing						
318	1				SP		Gray fine sand, trace iron oxide staining (medium dense to dense, moist)		
317	2		SA-1					8	%F=1.7
316	3								
315	4								
314	5								

Test pit completed at 5.5 feet
 No groundwater seepage observed
 No caving observed

Notes: See Figure A-1 for explanation of symbols.
 The depths on the test pit logs are based on an average of measurements across the test pit and should be considered accurate to 0.5 foot.

Log of Test Pit TP-6



Project: Olympic View Transfer Station Pavement Upgrade
 Project Location: Kitsap County, Washington
 Project Number: 1598-047-00

Figure A-7
 Sheet 1 of 1

Date Excavated: 3/11/2015
 Equipment: Takeuchi TB 235

Logged By: BTK
 Total Depth (ft) 5.5

Elevation (feet)	Depth (feet)	SAMPLE		Graphic Log	Group Classification	Encountered Water	MATERIAL DESCRIPTION	Moisture Content, %	REMARKS
		Testing Sample	Sample Name Testing						
323	1		2		GP		Gray fine to coarse gravel with sand (very dense, dry to moist) (fill)		
					FILL		Yellow recycled crushed glass (very dense, dry to moist) (fill)		
322	2				SP		Yellowish-brown fine to medium sand with gravel and trace organic matter (roots) and occasional cobbles (very dense, moist) (fill)		Filter fabric encountered at 1.5 feet bgs
321	3		3						
320	4								
319	5								

Test pit completed at 5.5 feet
 No groundwater seepage observed
 No caving observed

Notes: See Figure A-1 for explanation of symbols.
 The depths on the test pit logs are based on an average of measurements across the test pit and should be considered accurate to 0.5 foot.

Log of Test Pit TP-7



Project: Olympic View Transfer Station Pavement Upgrade
 Project Location: Kitsap County, Washington
 Project Number: 1598-047-00

Figure A-8
 Sheet 1 of 1

Date Excavated: 3/11/2015
 Equipment: Takeuchi TB 235

Logged By: BTK
 Total Depth (ft) 5.5

Elevation (feet)	Depth (feet)	SAMPLE		Graphic Log	Group Classification	Encountered Water	MATERIAL DESCRIPTION	Moisture Content, %	REMARKS
		Testing Sample	Sample Name Testing						
323	1			GP			Gray-brown fine to coarse gravel with sand (very dense, moist) (fill)		
	2			FILL			Recycled crushed glass (fill)		
322	3			SP-SM			Gray-brown fine to medium sand with silt and gravel and occasional cobbles (very dense, moist) (fill)		Filter fabric encountered at 1 foot bgs
	4			SP-SM			Gray-brown fine to medium sand with silt and gravel, layered with gray sand (very dense, moist) (fill)		
321	5		4 SA	SP			Gray fine to medium sand (medium dense to dense, moist) (fill)	11	%F=10.1
320	6			SP-SM			Gray fine to medium sand with silt and gravel (very dense, moist) (fill)		
	5								

Test pit completed at 5.5 feet
 No groundwater seepage observed
 No caving observed

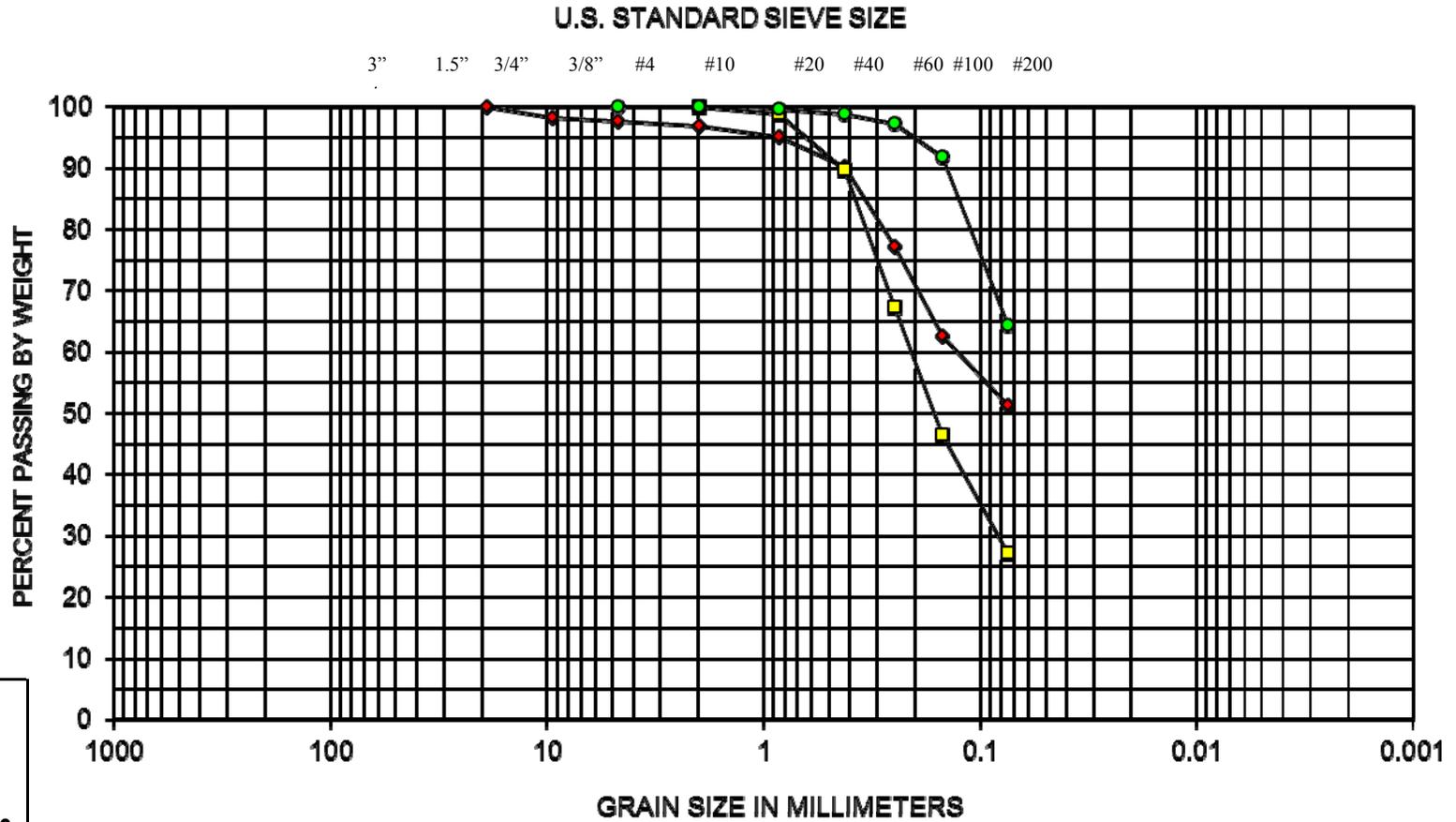
Notes: See Figure A-1 for explanation of symbols.
 The depths on the test pit logs are based on an average of measurements across the test pit and should be considered accurate to 0.5 foot.

Log of Test Pit TP-8



Project: Olympic View Transfer Station Pavement Upgrade
 Project Location: Kitsap County, Washington
 Project Number: 1598-047-00

Figure A-9
 Sheet 1 of 1



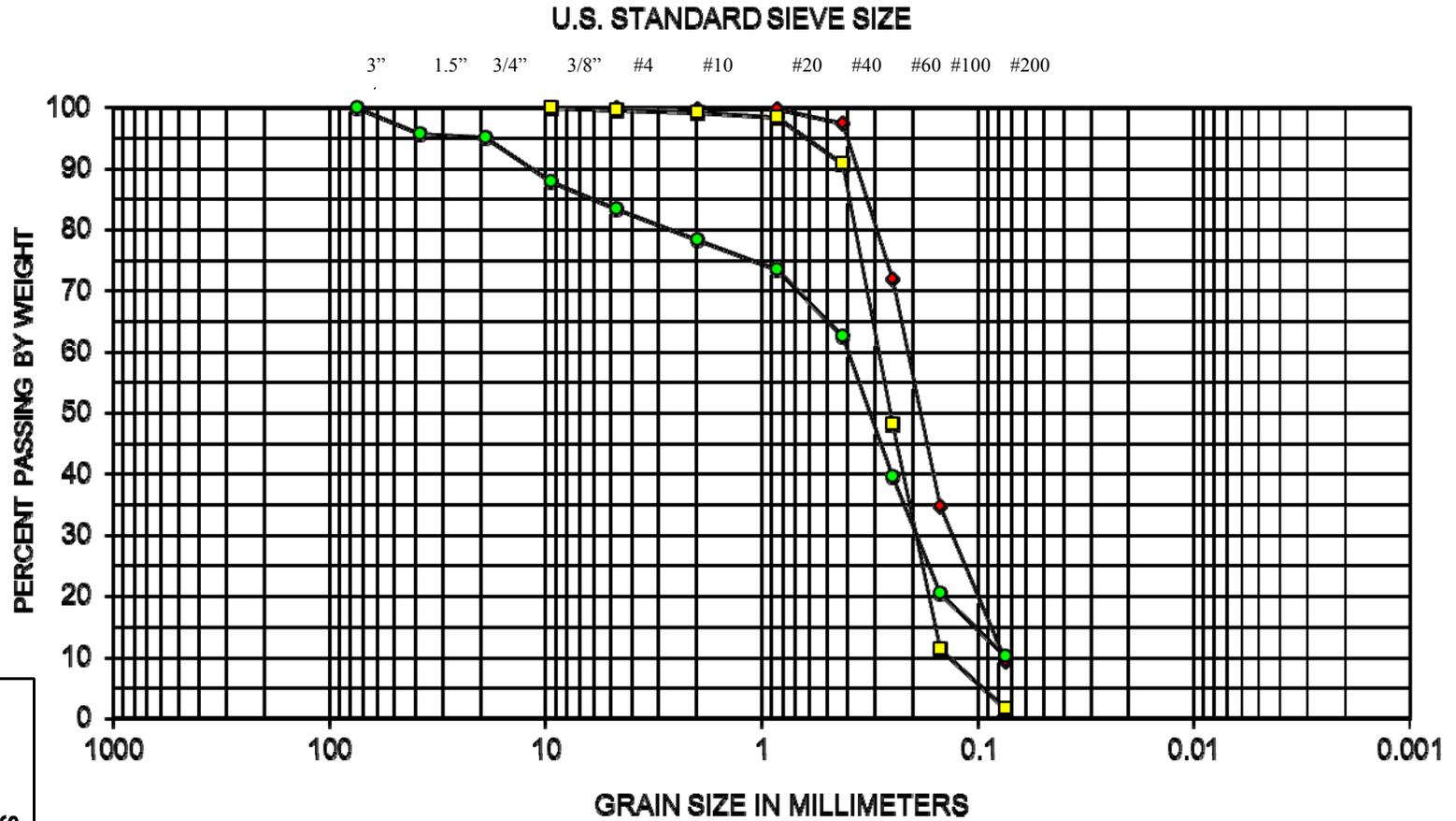
SYMBOL	EXPLORATION NUMBER	DEPTH (ft)	MOISTURE (%)	SOIL CLASSIFICATION
◆	TP-1	0.08	37	Sandy silt (ML)
■	TP-1	0.5	12	Silty sand (SM)
●	TP-1	2	25	Sandy silt (ML)

Sieve Analysis Results

Olympic View Transfer Station
 Pavement Upgrade
 Kitsap County, Washington



Figure A-10



Sieve Analysis Results

Olympic View Transfer Station
Pavement Upgrade
Kitsap County, Washington

SYMBOL	EXPLORATION NUMBER	DEPTH (ft)	MOISTURE (%)	SOIL CLASSIFICATION
◆	TP-4	0.5	10	Sand with silt (SP-SM)
■	TP-6	2.0	8	Sand (SP)
●	TP-8	3	11	Sand with silt (SP-SM)



Figure A-11

APPENDIX B
**Previous Explorations Performed by Soil & Environmental
Engineers (S&EE) in December 2000**

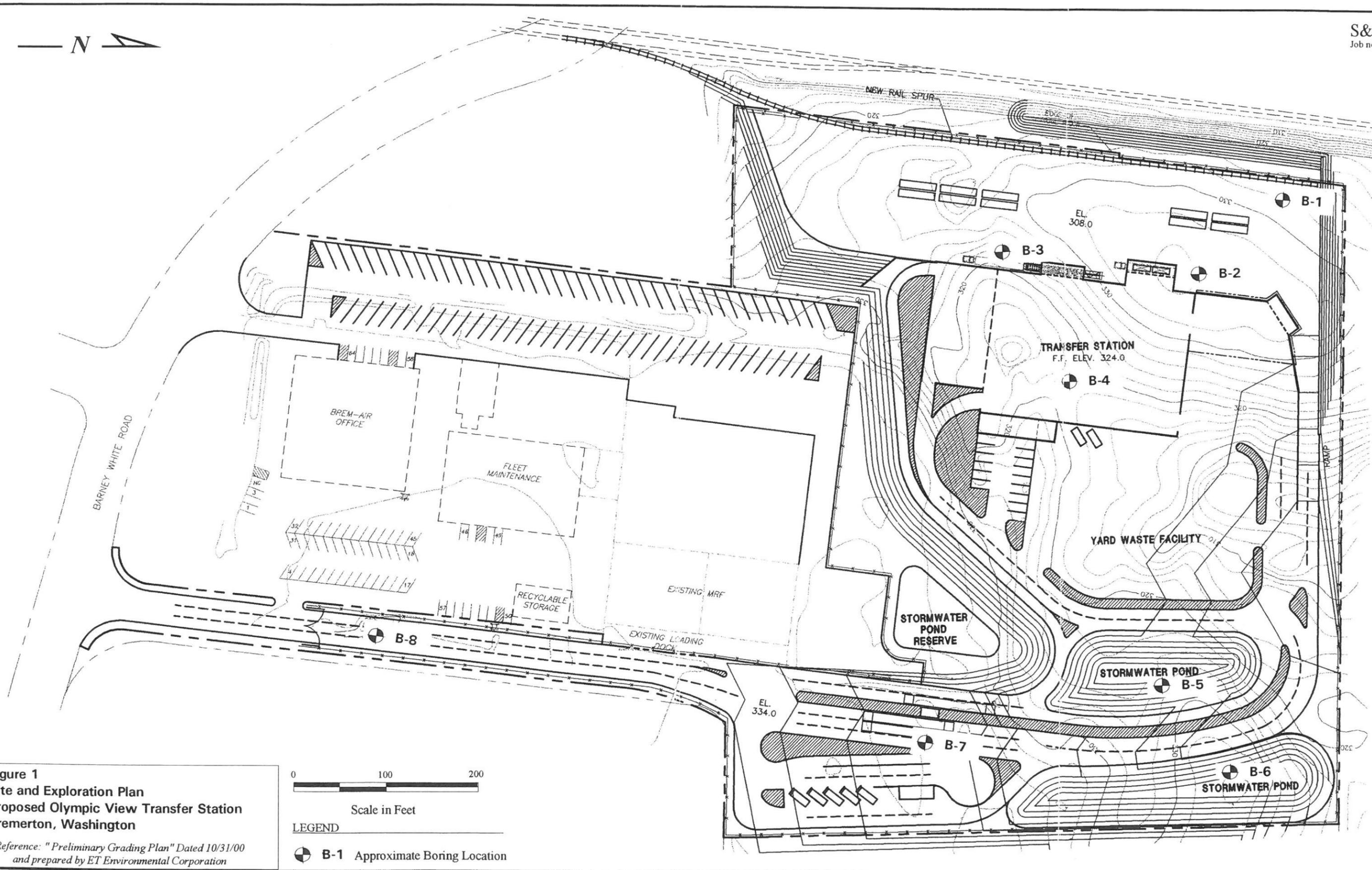


Figure 1
Site and Exploration Plan
Proposed Olympic View Transfer Station
Bremerton, Washington

Reference: "Preliminary Grading Plan" Dated 10/31/00
and prepared by ET Environmental Corporation



Scale in Feet

LEGEND

 **B-1** Approximate Boring Location

UNIFIED SOIL CLASSIFICATION SYSTEM

SYMBOL	LETTER	DESCRIPTION	MAJOR DIVISIONS			
	GW	WELL-GRADED GRAVELS OR GRAVEL-SAND MIXTURES, LITTLE OR NO FINES	CLEAN GRAVELS (LITTLE OR NO FINES)	GRAVELS MORE THAN HALF OF COARSE FRACTION IS LARGER THAN NO. 4 SIEVE SIZE FOR VISUAL CLASSIFICATION, THE 1/4" SIZE MAY BE USED AS EQUIVALENT TO THE NO. 4 SIEVE SIZE	COARSE-GRAINED SOILS MORE THAN HALF OF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE	
	GP	POORLY-GRADED GRAVELS OR GRAVEL-SAND MIXTURES, LITTLE OR NO FINES				
	GM	SILTY GRAVELS, GRAVEL-SAND-SILT MIXTURES	GRAVELS WITH FINES (APPRECIABLE AMOUNT OF FINES)			
	GC	CLAYEY GRAVELS, GRAVEL-SAND-CLAY MIXTURES				
	SW	WELL-GRADED SAND OR GRAVELLY SANDS, LITTLE OR NO FINES	CLEAN SANDS (LITTLE OR NO FINES)	SANDS MORE THAN HALF OF COARSE FRACTION IS SMALLER THAN NO. 4 SIEVE SIZE FOR VISUAL CLASSIFICATION, THE 1/4" SIZE MAY BE USED AS EQUIVALENT TO THE NO. 4 SIEVE SIZE		
	SP	POORLY-GRADED SANDS OR GRAVELLY SANDS, LITTLE OR NO FINES				
	SM	SILTY SANDS, SAND-SILT MIXTURES	SANDS WITH FINES (APPRECIABLE AMOUNT OF FINES)			
	SC	CLAYEY SANDS, SAND-CLAY MIXTURES				
	ML	INORGANIC SILTS, VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY	SILTS & CLAYS LIQUID LIMIT LESS THAN 50	FINE-GRAINED SOILS MORE THAN HALF OF MATERIAL IS SMALLER THAN NO. 200 SIEVE SIZE THE NO. 200 U.S. STANDARD SIEVE IS ABOUT THE SMALLEST PARTICLE VISIBLE TO THE NAKED EYE		
	CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS				
	OL	ORGANIC SILTS AND ORGANIC SILT-CLAYS OF LOW PLASTICITY				
	MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SANDY OR SILTY SOILS, ELASTIC SILTS	SILTS & CLAYS LIQUID LIMIT GREATER THAN 50			
	CH	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS				
OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS					
	PT	PEAT AND OTHER HIGHLY ORGANIC SOILS	HIGHLY ORGANIC SOILS			

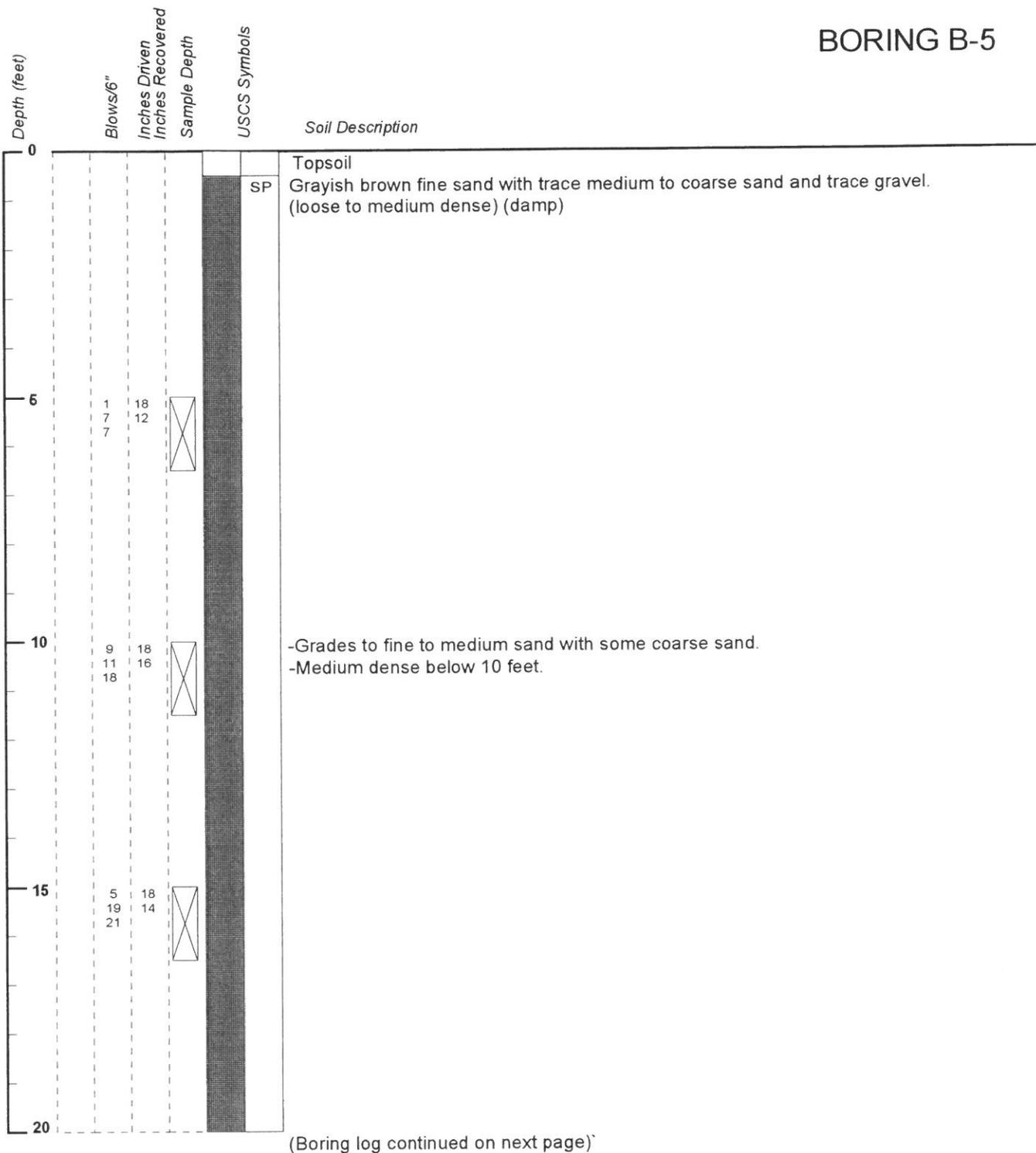
KEY TO SAMPLES

DEPTH OF GROUNDWATER DURING DRILLING

INDICATES DEPTH OF STANDARD PENETRATION TEST

SOIL CLASSIFICATION CHART AND KEY TO BORING LOG

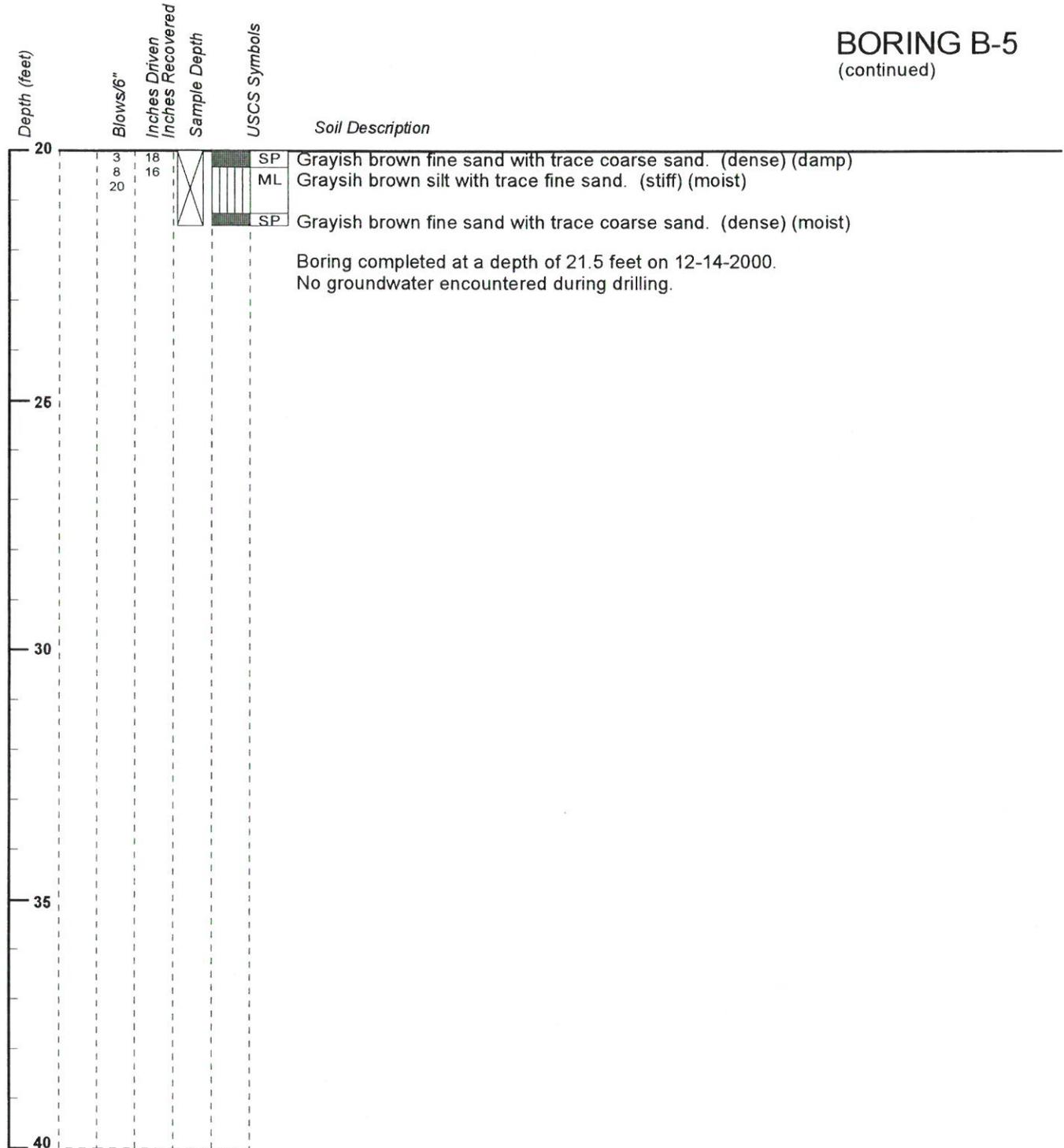
BORING B-5



Client: IT Corporation
 Drilling Method: 4" hollow stem auger from 0 to 20 feet
 Sample Method: SPT (1.4"-I.D.) sampler driven by 140 lb safety hammer with 30" drop
 Drill Contractor: Holt Drilling
 Drill Date: December 14, 2000
 Ground Elevation: 325 feet

Figure A-5a

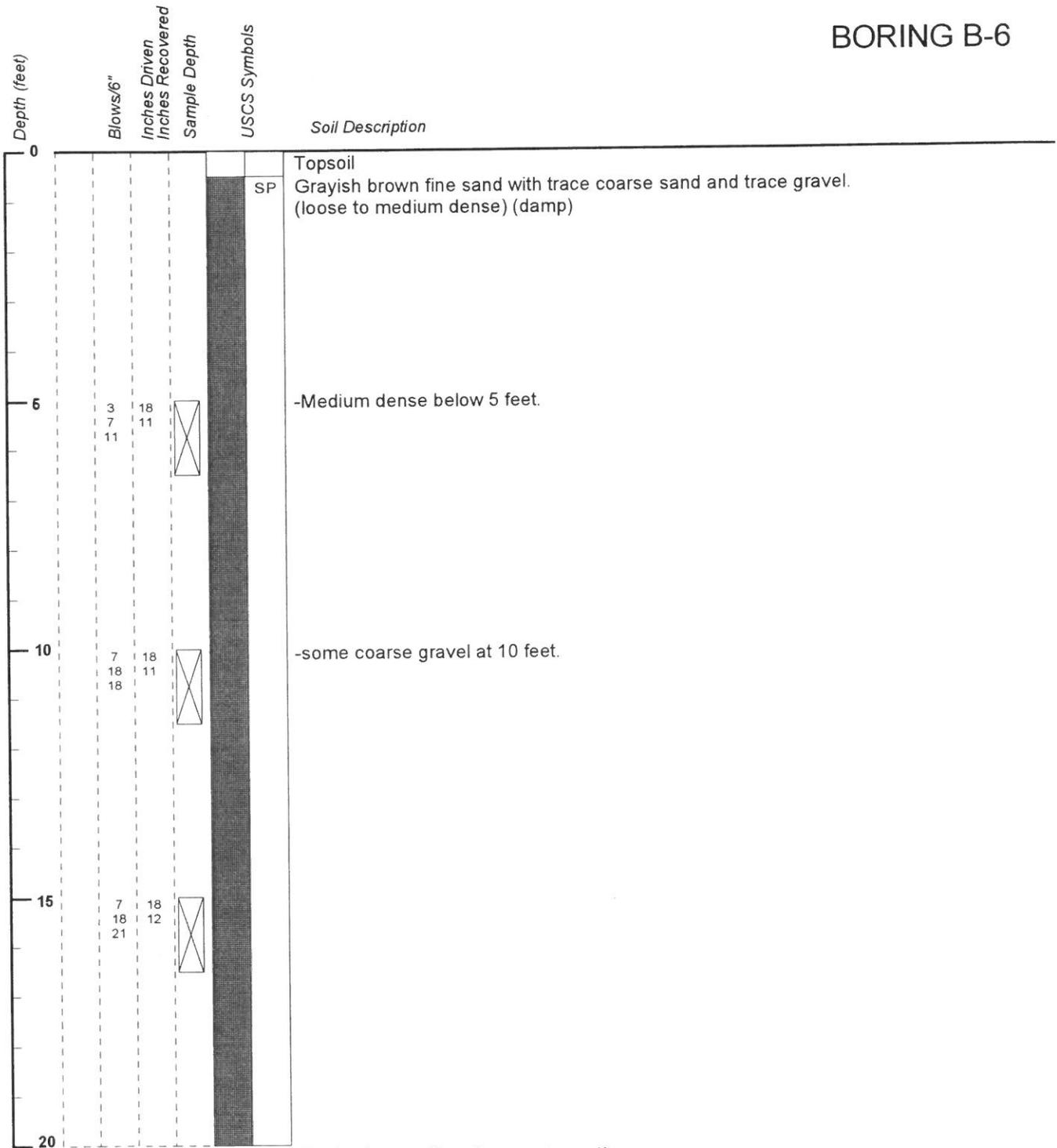
BORING B-5 (continued)



Client: IT Corporation
 Drilling Method: 4" hollow stem auger from 0 to 20 feet
 Sample Method: SPT (1.4"-I.D.) sampler driven by 140 lb safety hammer with 30" drop
 Drill Contractor: Holt Drilling
 Drill Date: December 14, 2000
 Ground Elevation: 325 feet

Figure A-5b

BORING B-6

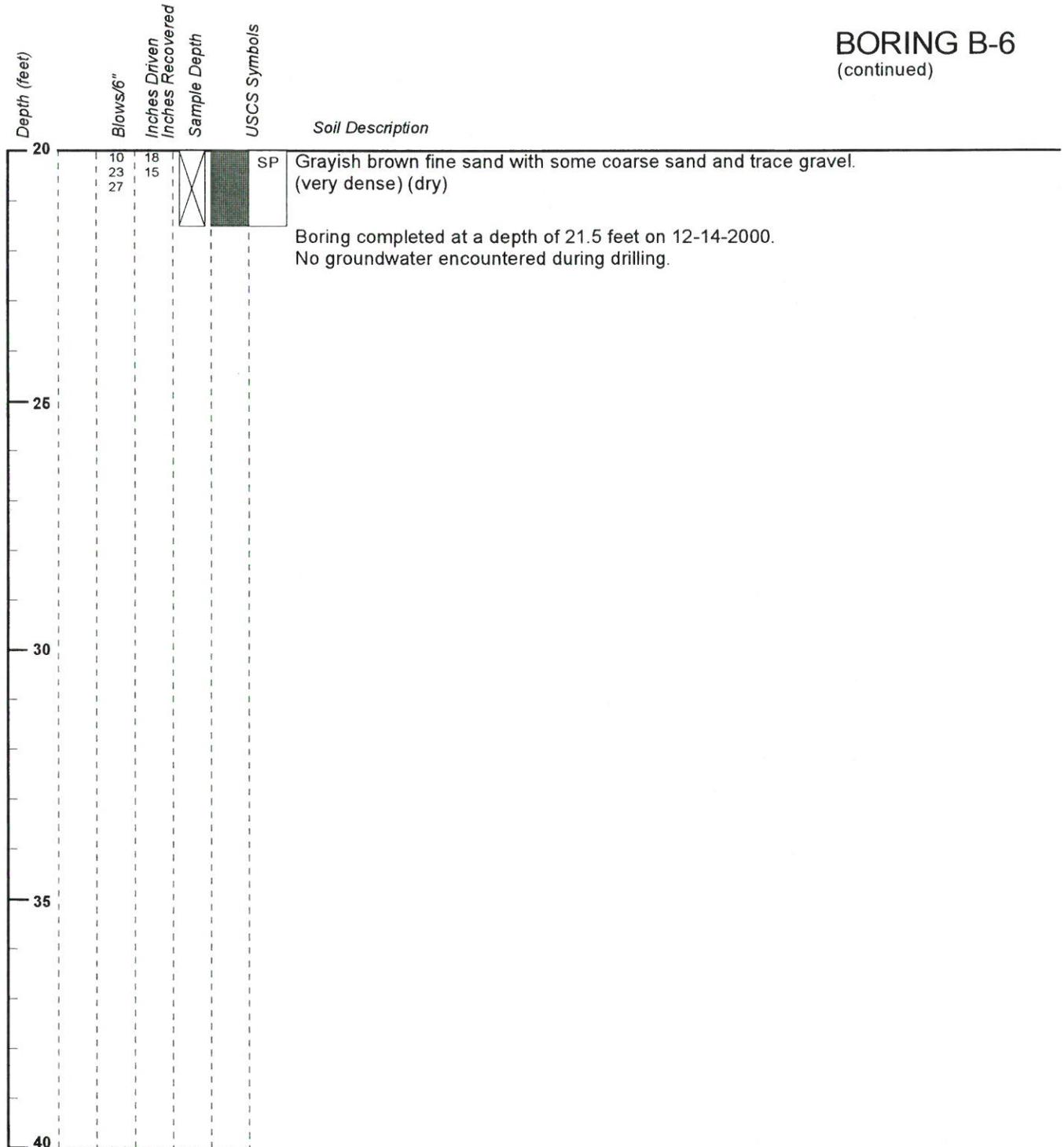


(Boring log continued on next page)

Client: IT Corporation
 Drilling Method: 4" hollow stem auger from 0 to 20 feet
 Sample Method: SPT (1.4"-I.D.) sampler driven by 140 lb safety hammer with 30" drop
 Drill Contractor: Holt Drilling
 Drill Date: December 14, 2000
 Ground Elevation: 326 feet

Figure A-6a

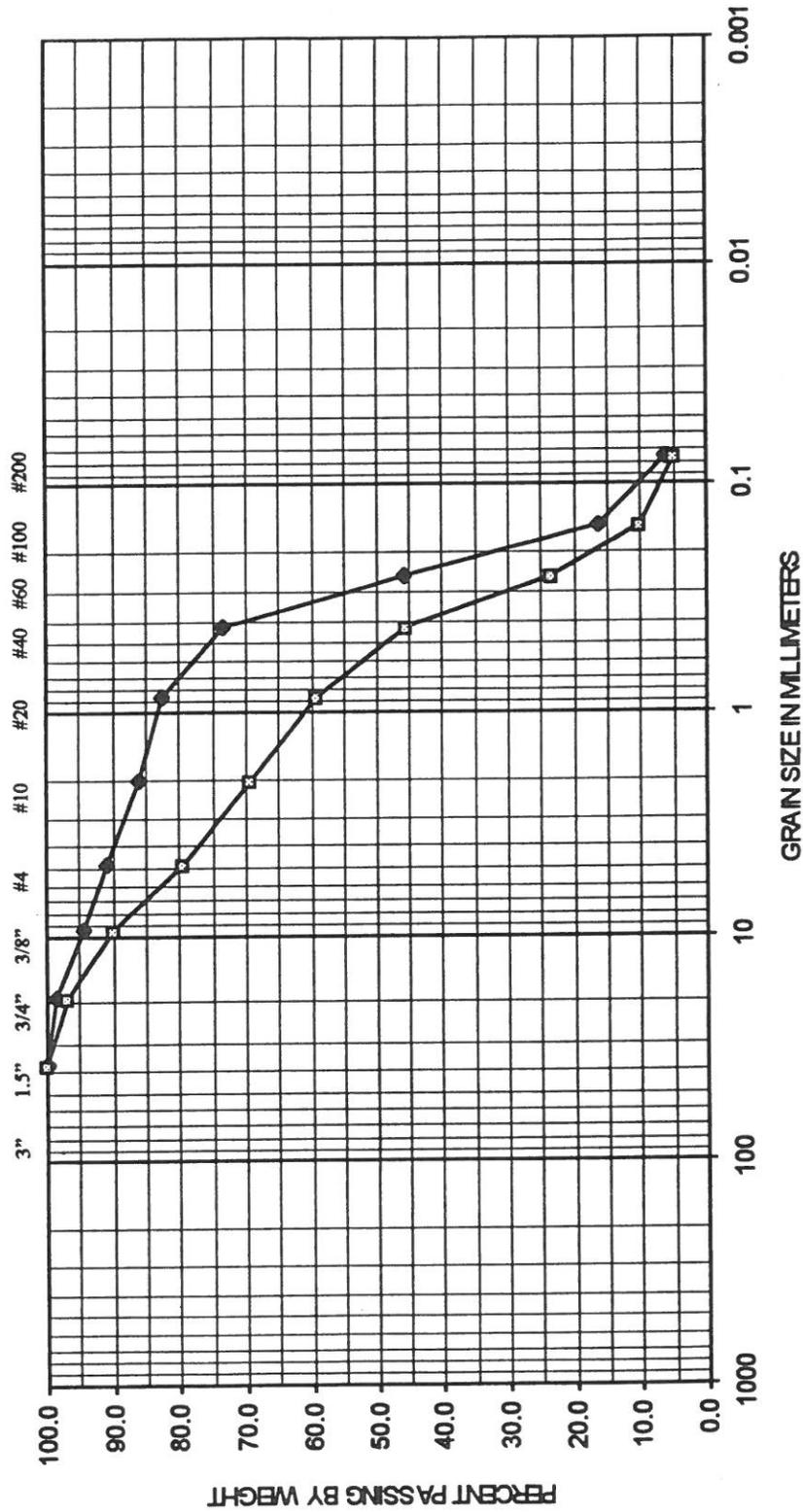
BORING B-6 (continued)



Client: IT Corporation
 Drilling Method: 4" hollow stem auger from 0 to 20 feet
 Sample Method: SPT (1.4"-I.D.) sampler driven by 140 lb safety hammer with 30" drop
 Drill Contractor: Holt Drilling
 Drill Date: December 14, 2000
 Ground Elevation: 326 feet

Figure A-6b

U.S. STANDARD SIEVE SIZE



GRAIN SIZE IN MILLIMETERS

COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

SYMBOL		EXPLORATION NUMBER	DEPTH (ft)	SOIL CLASSIFICATION
◆	■	B-5	10, 15	Brown poorly graded sand with silt (SP-SM)
		B-6	10, 15, 20	Brown poorly graded sand with gravel (SP)

S&EE

SIEVE ANALYSIS RESULTS

FIGURE B-1

APPENDIX C
Report Limitations and Guideline for Use

APPENDIX C REPORT LIMITATIONS AND GUIDELINES FOR USE¹

This appendix provides information to help you manage your risks with respect to the use of this report.

Read These Provisions Closely

It is important to recognize that the geoscience practices (geotechnical engineering, geology and environmental science) rely on professional judgment and opinion to a greater extent than other engineering and natural science disciplines, where more precise and/or readily observable data may exist. To help clients better understand how this difference pertains to our services, GeoEngineers includes the following explanatory “limitations” provisions in its reports. Please confer with GeoEngineers if you need to know more how these “Report Limitations and Guidelines for Use” apply to your project or site.

Geotechnical Services Are Performed for Specific Purposes, Persons and Projects

This report has been prepared for KPFF Consulting Engineers and for the Project specifically identified in the report. The information contained herein is not applicable to other sites or projects.

GeoEngineers structures its services to meet the specific needs of its clients. No party other than the party to whom this report is addressed may rely on the product of our services unless we agree to such reliance in advance and in writing. Within the limitations of the agreed scope of services for the Project, and its schedule and budget, our services have been executed in accordance with our Agreement with KPFF Consulting Engineers dated January 22, 2015 and revised on March 4, 2015 and generally accepted geotechnical practices in this area at the time this report was prepared. We do not authorize, and will not be responsible for, the use of this report for any purposes or projects other than those identified in the report.

A Geotechnical Engineering or Geologic Report is Based on a Unique Set of Project-Specific Factors

This report has been prepared for the proposed Olympic View Transfer Station Pavement Upgrade in Kitsap County, Washington. GeoEngineers considered a number of unique, project-specific factors when establishing the scope of services for this project and report. Unless GeoEngineers specifically indicates otherwise, it is important not to rely on this report if it was:

- not prepared for you,
- not prepared for your project,
- not prepared for the specific site explored, or
- completed before important project changes were made.

¹ Developed based on material provided by ASFE, Professional Firms Practicing in the Geosciences; www.asfe.org.

For example, changes that can affect the applicability of this report include those that affect:

- the function of the proposed structure;
- elevation, configuration, location, orientation or weight of the proposed structure;
- composition of the design team; or
- project ownership.

If changes occur after the date of this report, GeoEngineers cannot be responsible for any consequences of such changes in relation to this report unless we have been given the opportunity to review our interpretations and recommendations. Based on that review, we can provide written modifications or confirmation, as appropriate.

Environmental Concerns Are Not Covered

Unless environmental services were specifically included in our scope of services, this report does not provide any environmental findings, conclusions, or recommendations, including but not limited to, the likelihood of encountering underground storage tanks or regulated contaminants.

Subsurface Conditions Can Change

This geotechnical or geologic report is based on conditions that existed at the time the study was performed. The findings and conclusions of this report may be affected by the passage of time, by man-made events such as construction on or adjacent to the site, new information or technology that becomes available subsequent to the report date, or by natural events such as floods, earthquakes, slope instability or groundwater fluctuations. If more than a few months have passed since issuance of our report or work product, or if any of the described events may have occurred, please contact GeoEngineers before applying this report for its intended purpose so that we may evaluate whether changed conditions affect the continued reliability or applicability of our conclusions and recommendations.

Topsoil

For the purposes of this report, we consider topsoil to consist of generally fine-grained soil with an appreciable amount of organic matter based on visual examination, and to be unsuitable for direct support of the proposed improvements. However, the organic content and other mineralogical and gradational characteristics used to evaluate the suitability of soil for use in landscaping and agricultural purposes was not determined, nor considered in our analyses. Therefore, the information and recommendations in this report, and our logs and descriptions should not be used as a basis for estimating the volume of topsoil available for such purposes.

Geotechnical and Geologic Findings Are Professional Opinions

Our interpretations of subsurface conditions are based on field observations from widely spaced sampling locations at the site. Site exploration identifies the specific subsurface conditions only at those points where subsurface tests are conducted or samples are taken. GeoEngineers reviewed field and laboratory data and then applied its professional judgment to render an informed opinion about subsurface conditions at other locations. Actual subsurface conditions may differ, sometimes significantly, from the opinions presented in this report. Our report, conclusions and interpretations are not a warranty of the actual subsurface conditions.

Geotechnical Engineering Report Recommendations Are Not Final

We have developed the following recommendations based on data gathered from subsurface investigation(s). These investigations sample just a small percentage of a site to create a snapshot of the subsurface conditions elsewhere on the site. Such sampling on its own cannot provide a complete and accurate view of subsurface conditions for the entire site. Therefore, the recommendations included in this report are preliminary and should not be considered final. GeoEngineers' recommendations can be finalized only by observing actual subsurface conditions revealed during construction. GeoEngineers cannot assume responsibility or liability for the recommendations in this report if we do not perform construction observation.

We recommend that you allow sufficient monitoring, testing and consultation during construction by GeoEngineers to confirm that the conditions encountered are consistent with those indicated by the explorations, to provide recommendations for design changes if the conditions revealed during the work differ from those anticipated, and to evaluate whether earthwork activities are completed in accordance with our recommendations. Retaining GeoEngineers for construction observation for this project is the most effective means of managing the risks associated with unanticipated conditions. If another party performs field observation and confirms our expectations, the other party must take full responsibility for both the observations and recommendations. Please note, however, that another party would lack our project-specific knowledge and resources.

A Geotechnical Engineering or Geologic Report Could Be Subject to Misinterpretation

Misinterpretation of this report by members of the design team or by contractors can result in costly problems. GeoEngineers can help reduce the risks of misinterpretation by conferring with appropriate members of the design team after submitting the report, reviewing pertinent elements of the design team's plans and specifications, participating in pre-bid and preconstruction conferences, and providing construction observation.

Do Not Redraw the Exploration Logs

Geotechnical engineers and geologists prepare final boring and testing logs based upon their interpretation of field logs and laboratory data. The logs included in a geotechnical engineering or geologic report should never be redrawn for inclusion in architectural or other design drawings. Photographic or electronic reproduction is acceptable, but separating logs from the report can create a risk of misinterpretation.

Give Contractors a Complete Report and Guidance

To help reduce the risk of problems associated with unanticipated subsurface conditions, GeoEngineers recommends giving contractors the complete geotechnical engineering or geologic report, including these "Report Limitations and Guidelines for Use." When providing the report, you should preface it with a clearly written letter of transmittal that:

- advises contractors that the report was not prepared for purposes of bid development and that its accuracy is limited; and
- encourages contractors to confer with GeoEngineers and/or to conduct additional study to obtain the specific types of information they need or prefer.

Contractors Are Responsible for Site Safety on Their Own Construction Projects

Our geotechnical recommendations are not intended to direct the contractor's procedures, methods, schedule or management of the work site. The contractor is solely responsible for job site safety and for managing construction operations to minimize risks to on-site personnel and adjacent properties.

Biological Pollutants

GeoEngineers' Scope of Work specifically excludes the investigation, detection, prevention or assessment of the presence of Biological Pollutants. Accordingly, this report does not include any interpretations, recommendations, findings or conclusions regarding the detecting, assessing, preventing or abating of Biological Pollutants, and no conclusions or inferences should be drawn regarding Biological Pollutants as they may relate to this project. The term "Biological Pollutants" includes, but is not limited to, molds, fungi, spores, bacteria and viruses, and/or any of their byproducts.

A Client that desires these specialized services is advised to obtain them from a consultant who offers services in this specialized field.

APPENDIX C
SITE VISIT MAP AND DIRECTIONS

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DIRECTIONS TO RANDY W. CASTEEL PUBLIC WORKS ANNEX FOR THE REQUIRED SITE VISIT

The site visit will start at the Randy W. Casteel Public Works Annex, located at 8600 SW Imperial Way, Bremerton, Washington 98312, in the Olympic View Industrial Park. Directions and a map are provided below:

Directions from the North (Silverdale/Bremerton):

Take Highway 3 South into Gorst. Exit right onto Highway 3 South towards Belfair/Shelton. As you approach the Bremerton National Airport, take Exit 28 at SW Barney White Road and enter the Olympic View Industrial Park. At the four-way stop, continue straight through the intersection and follow SW Barney White Road to the next intersection with SW Imperial Way. The Randy W. Casteel Public Works Annex is located on the southwest corner of the intersection.

Directions from the South (Tacoma/Gig Harbor):

Take Highway 16 West towards Bremerton/Port Orchard. As you enter Gorst, exit left onto Highway 3 South towards Belfair/Shelton. Follow the exit towards the stop light and turn left onto Highway 3 South. Continue on Highway 3 South towards Belfair. As you approach the Bremerton National Airport, take Exit 28 at SW Barney White Road and enter the Olympic View Industrial Park. At the four-way stop, continue straight through the intersection and follow SW Barney White Road to the next intersection with SW Imperial Way. The Randy W. Casteel Public Works Annex is located on the southwest corner of the intersection.

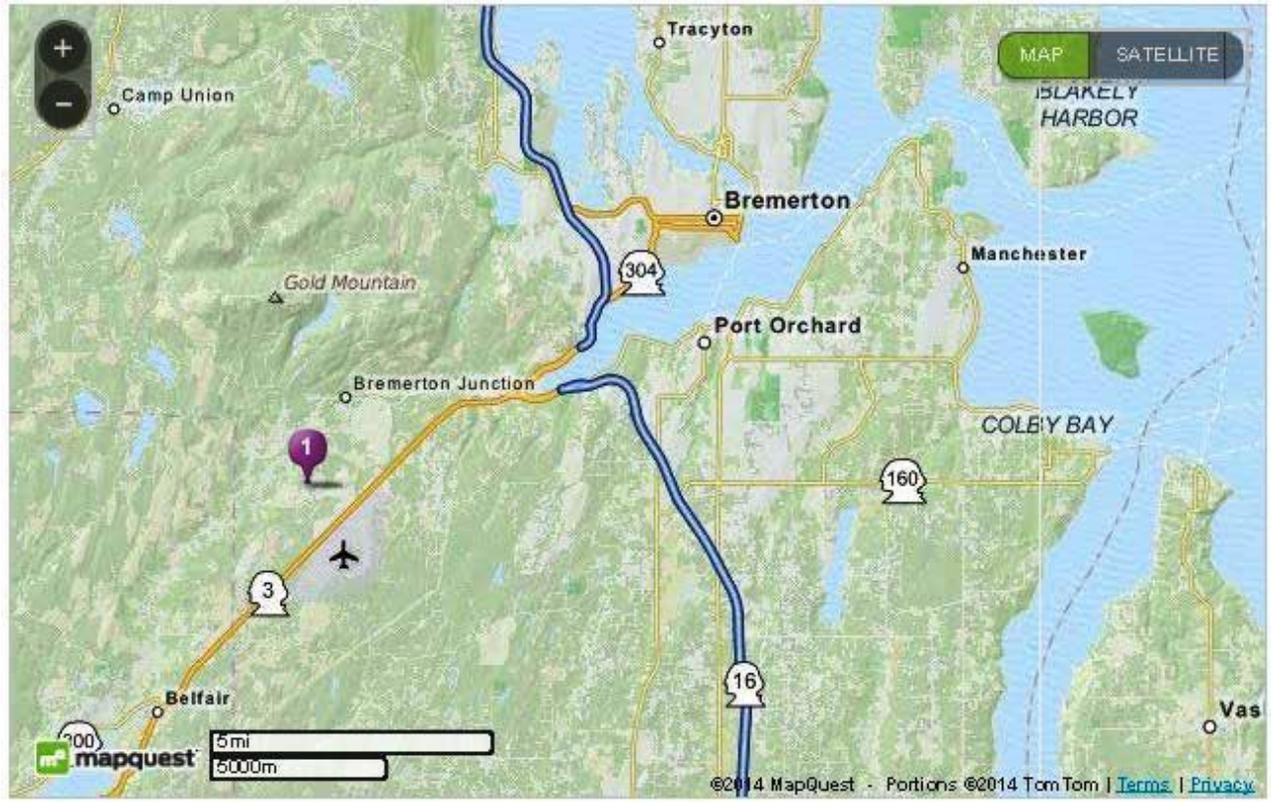
Directions from the East (Shelton/Belfair):

Take Highway 3 North towards Bremerton/Port Orchard. As you approach the Bremerton National Airport, make a left at the light for SW Imperial Way and enter the Olympic View Industrial Park. At the four-way stop, go left onto SW Barney White Road and follow SW Barney White Road to the next intersection with SW Imperial Way. The Randy W. Casteel Public Works Annex is located on the southwest corner of the intersection.

Directions from the Seattle/Bremerton Ferry Terminal:

Follow the ferry traffic south onto Burwell Street (State Route 304 N). As you emerge from the tunnel, continue on South 304 for approximately 1.5 miles through several traffic lights. Turn left onto N Callow Ave (State Route 304 S) and continue to Highway 3 South toward Belfair/Shelton. As you enter Gorst, exit RIGHT onto Highway 3 South toward Belfair/Shelton. As you approach the Bremerton National Airport, take Exit 28 at SW Barney White Road and enter the Olympic View Industrial Park. At the four-way stop, continue straight through the intersection and follow SW Barney White Road to the next intersection with SW Imperial Way. The Randy W. Casteel Public Works Annex is located on the southwest corner of the intersection.

MAP OF THE RANDY W. CASTEEL PUBLIC WORKS ANNEX FOR THE REQUIRED SITE VISIT



Source: MapQuest, Inc. 2014

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