

**ADDENDUM NO. 3
TO THE
SPECIFICATIONS, PROPOSAL, AND CONTRACT DOCUMENTS**

FOR:

**TOTEM LAKE CONNECTOR BRIDGE
JOB # 01-20-PW/NMC0861000**

CITY OF KIRKLAND, WASHINGTON

Certificate of Engineer:

This Addendum has been prepared by or under the direction of the undersigned, whose seal as a Professional Engineer licensed to practice in the State of Washington, is affixed below.



Approved for Construction:

A handwritten signature in black ink, appearing to read "Rod Steitzer", written over a horizontal line.

Rod Steitzer, P.E.
Capital Projects Manager

To: All Holders of Specifications, Proposal, and Contract Documents

This addendum is hereby made a part of the contract documents to the same extent as though it were originally included therein.

This addendum contains **47 pages**, including the cover page.

Issued this 11th day of March 2020

Bidders are to acknowledge receipt of this addendum in the space provided on the Bid Proposal (PROPOSAL – Page 6). Failure to do so may subject the bidder to disqualification.

ITEM NO. 1: Bid Schedule

Replace the entire Bid Schedule with the attached Bid Schedule (**revised 3/10/2020**) (5 pages, revisions in red):

- **SEE ATTACHED DOCUMENT – BID SCHEDULE**

ITEM NO. 2: Special Provisions

Replace the attached pages in the Special Provisions with the attached pages (23 pages, revisions in red)

Note: an additional page/section was added that will not allow for a straight sheet swap-out.

- **SEE ATTACHED DOCUMENT – SPECIAL PROVISIONS**

Table 1: Special Provisions Crosswalk

Affected Special Provision	Special Provision Page No. (footer)	(PDF Page Number)
1-08 Prosecution and Progress 1-08.0(2) – Hours of Work	P 50	92
2-01 Clearing, Grubbing, and Roadside Cleanup 2-01.3(1) – Clearing	P 64	106
2-01 Clearing, Grubbing, and Roadside Cleanup 2-01.3(2) – Grubbing	P 65	107
5-04 Hot Mix Asphalt 5-04 – Hot Mix Asphalt	P 78	120

5-06 Porous Hot Mix Asphalt 5-06 – Porous Hot Mix Asphalt	P 104	146
6-02 Concrete Structures 6-02.3(24)C – Placing and Fastening 6-02.3(24)F – Mechanical Splices	P 119	161
6-02 Concrete Structures 6-02.4 – Measurement	P 122	164
7-04 Storm Sewers 7-04.2 Materials 7-04.3 Construction Requirements 7-04.5 Payment	P 147a (new section and page)	(to be inserted between page 147 and 148)
7-05 Manholes, Inlets, Catch Basins, Drywells 7-05.1 – Description	P 148	190
7-05 Manholes, Inlets, Catch Basins, Drywells 7-05.5 – Payment	P 155	197
8-01 Erosion Control and Water Pollution Control 8-01.1 – Description 8-01.2 – Materials	P 157	199
8-01 Erosion Control and Water Pollution Control 8-01.3(1)C2 – Process Wastewater	P 158	200
8-01 Erosion Control and Water Pollution Control 8-01.5(1) – Lump Sum Bid for Project (No Unit Items)	P 160	202
8-02 Roadside Restoration 8-02.1 – Description	P 161	203
8-02 Roadside Restoration 8-02.3(7) – Layout of Planting, Lawn and Seeding Areas	P 169	211
8-02 Roadside Restoration 8-02.3(10)D – Lawn Mowing 8-02.3(11)B – Bark and Wood Chip Mulch	P 172-173	214-215
8-02 Roadside Restoration 8-02.4 – Measurement 8-02.5 – Payment	P 174	216
8-02 Roadside Restoration 8-02.5 – Payment	P 175	217
8-04 Curbs, Gutters, and Spillways 8-04.3 – Construction Requirements	P 177	219
8-30 LED Illumination System 8-30.3(9) – Electrical Installation	P 201	243
8-31 Thermoplastic Pavement Marking 8-31.2 – Materials	P 205	247
8-31 Thermoplastic Pavement Marking 8-31.5 – Payment	P 207	249

ITEM NO. 3: Revised Plan Sheets

Replace the following plan sheets with the attached revised plan sheets (15 pages, revisions in red):

➤ **SEE ATTACHED DOCUMENT – REVISED PLAN SHEETS**

Table 2: Revised Plan Sheet List

Sheet Number	Drawing Number
3	TLC-S-101
13	TLC-S-111
16	TLC-S-114
17	TLC-S-115
22	TLC-S-120
64	TLC-C-171
66	TLC-C-172
68	TLC-C-173
70	TLC-C-174
71	TLC-C-175
72	TLC-C-176
73	TLC-C-177
86	TLC-C-193
96	TLC-L-204
104	TLC-C-221

Issued this 11th day of March 2020

**City of Kirkland
Department of Public Works
123 5th Avenue
Kirkland, WA 98033**

**Aaron McDonald, P.E.
425-587-3837**

CITY OF KIRKLAND
BID SCHEDULE (Revised 03/10/2020)

TOTEM LAKE CONNECTOR BRIDGE
JOB NO. 20-01-PW

Note: Unit prices for all items, all extensions, and the total amount of the bid must be shown. All entries must be typed or entered in ink.

Item No.	Item Description	Spec Ref.	Est. Qty.	Unit	Unit Price	Amount
1.	MOBILIZATION	1-09	1	LS		
2.	STRUCTURE EXCAVATION CLASS A INCL. HAUL	2-09	281	CY		
3.	SHORING OR EXTRA EXCAVATION CL. A	2-09, 8-19 6-19	1	LS		
4.	CONC. CLASS 4000 (FOR ABUTMENTS AND PIERS)	6-02	297	CY		
5.	STEEL REINFORCING BAR FOR ABUTMENTS AND PIERS	6-02	87540	LB		
6.	CONSTRUCTING 4 FT. DIAM SHAFT	6-19	70	LF		
7.	CONSTRUCTING 4'-11" DIAM SHAFT	6-19	490.5	LF		
8.	CONSTRUCTING 6.56 FT. DIAM SHAFT	6-19	310	LF		
9.	QA SHAFT TEST	6-19	15	EACH EA		
10.	REMOVING SHAFT OBSTRUCTIONS	6-19	1	EST	147,000	147,000
11.	PRESTRESSING BAR - SUBSTR.	6-02	5	EACH EA		
12.	STRUCTURAL LOW ALLOY STEEL - SUBSTR.	6-03	1	LS		
13.	STRUCTURE SURVEYING	1-05	1	LS		
14.	BRIDGE DECK (TOTEM LAKE CONNECTOR)	6-02	1	LS		
15.	STRUCTURAL LOW ALLOY STEEL - SUPERSTR.	6-03	1	LS		
16.	DISC BEARING - SUPERSTR.	6-02	14	EACH EA		
17.	VIBRATION DAMPERS	6-20	2	EACH EA		
18.	BRIDGE RAILING - SUPERSTRUCTURE	6-06	1651	LF		

(Revised 03/10/2020)

Item No.	Item Description	Spec Ref.	Est. Qty.	Unit	Unit Price	Amount
19.	VEGETATED FACED MSE WALL	6-14	4484	SF		
20.	GRAVEL BORROW FOR STRUCTURAL EARTH WALL INCL. HAUL	6-14	2461	CY		
21.	BRIDGE RAILING - MSE WALLS	6-06	542	LF		
22.	POST FOUNDATIONS	6-06	103	EACH EA		
23.	BRIDGE APPROACH SLAB	6-02	36	SY		
24.	CONC. CLASS 4000 (FOR LUMINAIRE FOUNDATIONS)	6-02	5	CY		
25.	STEEL REINFORCING BAR FOR LUMINAIRE FOUNDATIONS	6-02	1230	LB		
26.	SOIL TIE-BACK GRID AT ABUTMENT 1	6-02	1	LS		
27.	ILLUMINATION SYSTEM	8-20, 8-30	1	LS		
28.	PROJECT TEMPORARY TRAFFIC CONTROL (min. bid. \$219,000)	1-10	1	LS		
29.	EROSION CONTROL AND WATER POLLUTION PREVENTION, SOUTH WORK AREA	8-01	1	LS		
30.	EROSION CONTROL AND WATER POLLUTION PREVENTION, TRAFFIC ISLAND WORK AREA	8-01	1	LS		
31.	EROSION CONTROL AND WATER POLLUTION PREVENTION, NORTH WORK AREA	8-01	1	LS		
32.	ESC LEAD	8-01	120	DAY		
33.	SPCC PLAN (min. bid \$2,500)	1-07	1	LS		
34.	CONSTRUCTION STORMWATER POLLUTION PREVENTION PLAN (min. bid \$5,000)	8-01	1	LS		
35.	TEMPORARY STORM DRAIN BYPASS	8-01	1	LS		
36.	PROJECT INFORMATIONAL SIGNS	8-21	4	EA		
37.	CLEARING AND GRUBBING	2-01	2.6	AC		
38.	QUARRY SPALLS, 2-"4"	8-15	2	TN		

(Revised 03/10/2020)

Item No.	Item Description	Spec Ref.	Est. Qty.	Unit	Unit Price	Amount
39.	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	2-02	1	L.S.		
40.	REMOVE TREE	2-01	67	EA		
41.	SALVAGE SIGNS	2-02	1	L.S.		
42.	HIGH VISIBILITY FENCE	8-01	1600	L.F.		
43.	STABILIZED CONSTRUCTION ENTRANCE	8-01	560	SY		
44.	ROADWAY SURVEYING	1-05	1	LS		
45.	ROADSIDE CLEANUP	2-01	1	FA	7,000	7,000
46.	REHAB AND COAT EXISTING SANITARY SEWER MANHOLE	7-05	1	LS		
47.	ROADWAY EXCAVATION INCL. HAUL	2-03	2550	CY		
48.	SELECT BORROW INCL. HAUL	2-03	200	TN		
49.	COMMON BORROW INCL. HAUL	2-03	450	TN		
50.	TOPSOIL TYPE A	8-02	1061	CY		
51.	SOLID WALL PVC STORM SEWER PIPE 8 IN DIAM	7-04	270	LF		
52.	PRECAST REINF. CONC. BOX CULVERT	7-02	1	LS		
53.	CATCH BASIN TYPE 1	7-05	3	EA		
54.	ROCK FOR EROSION AND SCOUR PROTECTION, CLASS A	8-15	70	TN		
55.	BIORETENTION SOIL MIX	8-02	98	CY		
56.	STREAMBED BOULDER ONE MAN	8-02	153	EA		
57.	FLEXIBLE GUIDE POST	8-10	4	EA		
58.	PAINT LINE	8-22	68	LF		
59.	ROCKERY	8-24	120	SF		

(Revised 03/10/2020)

Item No.	Item Description	Spec Ref.	Est. Qty.	Unit	Unit Price	Amount
60.	PHMA CL 1/2" IN. PG 70-22ER	5-04	365	TN		
61.	HMA CL 1/2 IN. PG 64-22	5-04	33	TN		
62.	PERMEABLE BALLAST	4-04	715	TN		
63.	CRUSHED SURFACING TOP COURSE	4-04	126	TN		
64.	CRUSHED SURFACING BASE COURSE	4-04	145	TN		
65.	CRUSHED SURFACING FOR TRAIL	4-04	25	TN		
66.	CEMENT CONC. TRAFFIC CURB & GUTTER	8-04	140	LF		
67.	CEMENT CONC. SIDEWALK	8-14	48	SY		
68.	LARGE WOODY DEBRIS	8-02 8-26	1	LS		
69.	JUTE MATTING	2-01	78460	SF		
70.	SNAGS	8-26	5	EA		
71.	ARBORIST WOOD CHIP MULCH	8-02	1.7	AC		
72.	MEDIUM COMPOST	8-02	0.13	AC		
73.	STEPPING STONES	8-02	1	LS		
74.	SPLIT RAIL FENCE	8-02	140	LF		
75.	REINFORCED LAWN SURFACING	8-02	1	LS		
76.	SEATING	8-27	1	LS		
77.	THERMOPLASTIC PAVEMENT MARKINGS	8-31	1	LS		
78.	GLASS PANELS	8-32	3	Each EA		
79.	PEDESTRIAN HANDRAIL	8-28	32	LF		
80.	PERMANENT SIGNING	8-21	1	LS		

Item No.	Item Description	Spec Ref.	Est. Qty.	Unit	Unit Price	Amount
81.	GARBAGE RECEPTACLE	8-33	2	Each		
82.	IRRIGATION SYSTEM, SOUTH AREA	8-03	1	LS		
83.	IRRIGATION SYSTEM, NORTH AREA	8-03	1	LS		
84.	SERVICE CONNECTION 3/4 IN. DIAM.	7-15	1	EA		
85.	PSIPE 4" POTS	8-02	11787	EA		
86.	PSIPE 10 CU IN PLUGS	8-02	1710	EA		
87.	PSIPE 40 CU IN PLUGS	8-02	510	EA		
88.	PSIPE 2 GALLON POTS	8-02	716	EA		
89.	PSIPE 5 GALLON CONTAINERS	8-02	36	EA		
90.	PSIPE LIVE STAKES	8-02	290	EA		
91.	PSIPE BAREROOT 12" - 18"	8-02	240	EA		
92.	PSIPE 6'HT TREE	8-02	15	EA		
93.	SOD INSTALLATION	8-02	665	SY		
94.	SEEDED LAWN INSTALLATION	8-02	777	SY		
95.	DRAINAGE DITCH SEEDING MIX	8-02	398	SY		
96.	LAWN MOWING	8-02	1	LS		
97.	RECORD DRAWINGS (min. bid \$5,000)	1-05	1	LS		

TOTAL COMPUTED PRICE: \$ _____

1-08 Prosecution And Progress

Add the following new section:

(May 25, 2006 APWA GSP)

1-08.0 Preliminary Matters

Add the following new section:

(October 10, 2008 APWA GSP)

1-08.0(1) Preconstruction Conference

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:

(1/1/2016 COK GSP)

1-08.0(2) Hours of Work

Except in the event of an emergency, **or as outlined in the Plans**, no work shall be done between the hours of 6:00 p.m. and 7:00 a.m., or weekends (except driveway construction), or holidays observed by the City of Kirkland and identified in Section 1-08.5 of the Standard Specifications. If the proper and efficient prosecution of the work requires operations during the night, hours of operation more than 8 hours per day, or work weeks greater than 40 hours in duration, the written permission of the Owner shall be obtained before starting such items of the work and shall be in full compliance with terms therewith. **The Contractor will be responsible for obtaining a night work variance from the City of Kirkland Public Works Department and a Work Hour variance from the City of Kirkland Planning Department.**

Except in the case of emergency or unless otherwise approved by the Contracting Agency, the normal straight time working hours for the contract shall be any consecutive 8-hour period between 7:00 a.m. and 6:00 p.m. of a working day with a maximum 1-hour lunch break and a 5-day work week. The normal straight time 8-hour working period for the contract shall be established at the preconstruction conference or prior to the Contractor commencing the work. If a Contractor desires to perform work on holidays, Saturdays, Sundays, or before 7:00 a.m. or

The Contractor shall clear invasive plants, as defined by the King County Noxious Weed List, including all regulated and non-regulated noxious weeds, including Himalayan blackberry, reed canarygrass, and Scotch broom, which have been identified on-site, from all clearing and grubbing areas as indicated in the Plans.

Additional clearing requirements for areas outside of the wetland and wetland buffer. The Contractor shall:

- Leave standing any trees or native growth not designated for removal as indicated in the Plans or as directed by the Engineer.
- Remove any existing piles of vegetation, dead trees, or new piles of vegetation resulting from clearing.
- Protect, by fencing, all trees or native growth to remain from any damage caused by construction operations.
- Install temporary slope stabilization for slopes greater than 3:1. See Plans for reference to the type of slope stabilization to be utilized.

Additional clearing requirements for areas within the wetland and wetland buffer that are inside the limits of the high visibility silt fence. The Contractor shall:

- Remove from the site all brush cleared that is less than 5" in diameter.
- Remove any existing or new piles of vegetation resulting from clearing except retain trees/branches in stockpiles on-site that are larger than 5" diameter for reuse as Large Woody Debris per ~~8-02.3(7)~~ 8-26.
- Remove trees within the area to be cleared as indicated in the Plans. Stockpile any trees/branches larger than 5" diameter on site for reuse as Large Woody Debris per ~~8-02.3(7)~~ 8-26. Close-cut parallel to the slope of the ground all stumps of trees to be removed in the wetland and wetland buffer area
- Fell trees and stockpile for reuse as Snags as shown in the Plans.
- For areas within the wetland and wetland buffer that are outside the limits of the high visibility silt fence but within the limits of work:

The Contractor shall hand remove invasive plants to avoid damage to roots of vegetation to remain. Hand removal of invasive plants will occur at initial mobilization and again prior to the second growing season when any remnant invasive plants (e.g. blackberry canes) are visible. Additional requirements within the wetland per the HPA permit obtained from WDFW and the Clean Water Act permit obtained from the USACE may include:

- 1. All work must be completed "in the dry", i.e. when the work area portion of the wetland is not "flooded" (i.e. work area is not connected via surface waters to the wetland).
- 2. Avoid work during times of precipitation and implement TESC Plans and a SWPPP to ensure compliance with these standards.
- 3. Heavy equipment working in wetlands or mudflats must be placed on mats, or other measures must be taken to minimize soil disturbance. No fill or drill spoils shall be placed in wetland.
- 4. Follow Level 1 Decontamination protocol for all equipment working within the wetland.
- 5. Clean equipment prior to entering the wetland area and use of biodegradable lubricants/fluids in accordance with permit requirements.

Restore (replant) all cleared areas in accordance with the approved restoration plans and permit requirements.

2-01.3(2) Grubbing

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

(*****)

The Contractor shall take care to remove the root crowns of all invasive plants within areas to be cleared and grubbed, especially Himalayan blackberry. Grubbing will occur at initial mobilization and again during the second growing season when any remnant blackberry canes are visible.

Areas within the wetland and wetland buffer that are inside the limits of high visibility fence shall be covered with jute matting as described in ~~8-02.3(3)A~~ 8-02.3(3)B after the areas **as have** been grubbed.

Areas within the wetland and wetland buffer areas that are outside the limits of the high visibility silt fence but within the limits of work the Contractor shall hand grub invasive plants, including Himalayan blackberry, to avoid damage to roots of vegetation to remain. Restore all grubbed areas in accordance with the approved restoration plans and permit requirements.

2-01.4 Measurement

Section 2-01.4 is supplemented with the following:

(*****)

Tree removal will be measured per each for each tree removed that is greater than 5" in diameter.

Jute matting will be measured by the square foot along the ground slope line of surface area covered and accepted.

2-01.5 Payment

Section 2-01.5 is supplemented with the following:

(*****)

“Remove Tree” per each

The unit Contract price per each for “Remove Tree” shall be full pay for all Work described in this section to remove, Grub and dispose of or stockpile the tree as applicable.

“Jute Matting” per square foot

The unit Contract price per square foot for “Jute Matting” shall be full pay for all costs to complete the specified Work.

System”.

Division 5 Surface Treatments and Pavements

5-04 Hot Mix Asphalt

(July 18, 2018 APWA GSP)

(*****)

~~Section 5-04, Hot Mix Asphalt as printed in the Standard Specifications for Road, Bridge and Municipal Construction, 2016 edition is added and renumbered as Section 5-06 and supplemented with the APWA GSPs and Special Provisions listed below for porous hot mix asphalt.~~

Delete Section 5-04 and amendments, Hot Mix Asphalt and replace it with the following:

5-04.1 Description

This Work shall consist of providing and placing one or more layers of plant-mixed hot mix asphalt (HMA) on a prepared foundation or base in accordance with these Specifications and the lines, grades, thicknesses, and typical cross-sections shown in the Plans. The manufacture of HMA may include warm mix asphalt (WMA) processes in accordance with these Specifications. WMA processes include organic additives, chemical additives, and foaming.

HMA shall be composed of asphalt binder and mineral materials as may be required, mixed in the proportions specified to provide a homogeneous, stable, and workable mixture.

5-04.2 Materials

Materials shall meet the requirements of the following sections:

Asphalt Binder 9-02.1(4)
 Cationic Emulsified Asphalt 9-02.1(6)
 Anti-Stripping Additive 9-02.4
 HMA Additive 9-02.5
 Aggregates 9-03.8
 Recycled Asphalt Pavement 9-03.8(3)B
 Mineral Filler 9-03.8(5)
 Recycled Material 9-03.21
 Portland Cement 9-01
 Sand 9-03.1(2)
 (As noted in 5-04.3(5)C for crack sealing)
 Joint Sealant 9-04.2
 Foam Backer Rod 9-04.2(3)A

The Contract documents may establish that the various mineral materials required for the manufacture of HMA will be furnished in whole or in part by the Contracting Agency. If the documents do not establish the furnishing of any of these mineral materials by the Contracting Agency, the Contractor shall be required to furnish such materials in the amounts required for the designated mix. Mineral materials include coarse and fine aggregates, and mineral filler.

“Cyclic Density Price Adjustment” will be calculated and paid for as described in Section 5-04.3(10)B.

5-04.5(1)B Price Adjustments for Quality of HMA Compaction

Delete this section and replace it with the following:

(January 16, 2014 APWA GSP)

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.

*(*****)*

The following is added as Section 5-06

5-06 Porous Hot Mix Asphalt

Section 5-04, Hot Mix Asphalt as printed in the Standard Specifications for Road, Bridge and Municipal Construction, 2016 edition is added and renumbered as Section 5-06 and supplemented with the APWA GSPs and Special Provisions listed below for porous hot mix asphalt.

5-06.1 Description

Supplement this section with the following:

(March 9, 2016 APWA GSP)

This Work shall also consist of providing and placing one or more layers of plant-mixed porous hot mix asphalt (PHMA) on a prepared foundation or base in accordance with these Specifications and the lines, grades, thicknesses, and typical cross-sections for Porous Asphalt Trail as shown in the Plans or established by the Engineer. The manufacture of PHMA may include porous warm mix asphalt (PWMA) processes in accordance with these Specifications. PWMA processes include organic additives, chemical additives, and foaming.

5-06.2 Materials

Supplement this section with the following:

(March 9, 2016 APWA GSP)

**Aggregates for Porous Hot Mix Asphalt/Porous Warm Mix Asphalt (PHMA/PWMA)
General Requirements**

Aggregates for Porous Hot Mix Asphalt (PHMA) or Porous Warm Mix Asphalt (PWMA) shall be manufactured from ledge rock, talus, or gravel, in accordance with the provisions of Section 3-01 that meet the following test requirements:

Los Angeles Wear, 500 Rev. 30% max.
Degradation Factor 15 min.

Grading

6-02.3(20) Grout for Anchor Bolts and Bridge Bearings

Section 6-02.3(20) is supplemented with the following:

Grout placed at the following locations shall conform to the requirements of this section.

A1, P2, P3, P4, P5, P6 bearing pads and anchor bolt sleeves.

P7, P8, P9, P10, P11 pier base plate grout pads.

A12 tie-chord base plates grout pads.

6-02.3(24) Reinforcement

Section 6-02.3(24) is supplemented with the following:

Prior to fabricating any reinforcing steel, the Contractor shall submit Type 2 Working Drawings (placing drawings and bending lists) for review by the Engineer. Working Drawings shall be prepared in accordance with the CRSI Manual of Standard Practice and the ACI Detailing Manual. Placing drawings shall show the location of all concrete construction joints and rebar lap splices.

6-02.3(24)C Placing and Fastening

Section 6-02.3(24)C is supplemented with the following:

(*****)

Reinforcing steel shall be kept separated from dissimilar metals. This includes, but is not limited to, the electrical junction boxes.

6-02.3(24)F Mechanical Splices

Section 6-02.3(24)F is supplemented with the following:

(*****)

The term "Mechanical Coupler" is synonymous with "Mechanical Splice" in this section. The use of any of these terms in the Plans and Special Provisions is to be taken to mean "Mechanical Splice".

6-02.3(26) Cast-In-Place Prestressed Concrete

Section 6-02.3(26) is supplemented with the following:

At Piers 2-6, high strength post-tensioning bars and associated hardware and installation shall be as determined from information provided in the Plans. Pipe strut and base plate are included in "Structural Low Alloy Steel – Substr."

6-02.3(28) Precast Concrete Panels

6-02.3(28)A Shop Drawings

The list included in the third paragraph of Section 6-02.3(28)A is supplemented with the following:

(*****)

Construction sequence and method of forming the precast concrete stay-in-place panels, duration in forms, strength at form release, lifting details, and storage details.

Details of additional reinforcement, if any, provided at lifting and support locations.

Connector)” even though the actual quantities required may deviate from those listed.

“Bridge Approach Slab” contains the following approximate quantities of materials and work, but does not represent all work included in this item:

CIP Concrete (Class 4000A)	9 CY
Steel Reinforcing Bar Gr. 60	1,020 LB
Pigmented Sealer	5 SY

The quantities are listed only for the convenience of the Contractor to assist in determining the volume of work involved and are not guaranteed to be accurate. The prospective bidders must verify these quantities before submitting a bid. No adjustments other than for approved changes will be made in the lump sum contract price for “Bridge Approach Slab” even though the actual quantities required may deviate from those listed.

(*****)

“Prestressing Bar – Substr.” will be measured per each for each PT bar assembly furnished and installed **and shall include all work associated with constructing PT bar assembly as shown in the Plans.**

“Soil Tie-Back Grid at Abutment 1” shall include all work associated with constructing the tie-back grid as shown in the Plans.

6-02.5 Payment

Section 6-02.5 is supplemented with the following:

(June 26, 2000)

“Disc Bearing - Superstr.”, per each.

“Bridge Deck (Totem Lake Connector)”, lump sum.

The lump sum contract price for “Bridge Deck (Totem Lake Connector)” shall be full pay for constructing the reinforced concrete portions of the steel bridge superstructure, including miscellaneous items as described in 6-02.4.

For the purpose of payment, such bridge and structures items as metal bar grating and accessories, pultruded grating and accessories, etc, for which there is no pay item included in the proposal, are considered as bridge and structures minor items. All costs in connection with furnishing and installing these bridge and structures minor items as shown and noted in the Plans and as outlined in these specifications and in the Standard Specifications shall be included in “Bridge Deck (Totem Lake Connector)”.

“Prestressing Bar – Substr.”, per each.

“Soil Tie-Back Grid at Abutment 1”, Lump Sum.

7-04 Storm Sewers

7-04.2 Materials

This section is supplemented with the following:

(*****)

Pipe zone bedding material and trench backfill shall be per COK Standard Plan No. CK-D.02.

7-04.3 Construction Requirements

This section is supplemented with the following:

(*****)

Bedding and backfill shall be per COK Standard Plan No. CK-D.02.

7-04.5 Payment

This section is supplemented with the following:

(*****)

The unit Contract 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 excavation, haul and disposal of excavated material, bedding, backfill, detectable marking tape, pipe installation including connections to drainage structures, testing, and adjustment of inverts to manholes.

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

7-05.1 Description

This section is supplemented with the following:

(*****)

This work consists of rehabilitating and coating the existing Northshore Utility District (NUD) sanitary sewer manhole adjacent to Abutment A12, as shown in the Plans. **Interior surfaces of the manhole shall be coated, including base and channel, barrel, cone and adjusting ring(s). The top slab and lid do not require coating.**

7-05.2 Materials

This section is supplemented with the following:

(*****)

Work covered in this section includes the requirements for surface preparation and coating of DMH-10. The coating product shall be Raven 405, as manufactured by Raven Lining Systems. No alternate products allowed.

7-05.3 Construction Requirements

This section is supplemented with the following:

(*****)

7-05.3(3) *Rehabilitation and Coating of Existing Manholes*

A. SUBMITTALS

1. Repair and resurfacing product data
2. Product technical data sheets
3. Safety Data Sheets (SDS)
4. Technical data sheet and project specific data for repair materials to be topcoated with the coating product(s) including application, cure time and surface preparation procedures.
5. Contractor Data: Current documentation from coating product manufacturer certifying Contractor's training and equipment complies with the Quality Assurance requirements specified herein.
Five (5) recent references of Contractor indicating successful application of coating product(s) of the same material type as specified herein, applied by spray application within the municipal wastewater environment.

Contractor shall obtain acceptance from NUD on all submittals prior to beginning work for rehabilitating and coating the existing manhole.

B. QUALITY ASSURANCE

Coating product(s) shall be capable of being installed and curing properly within a sanitary sewer manhole environment. Coating product(s) shall be resistant to all forms of chemical or bacteriological attack found in municipal sanitary sewer systems; and, capable of adhering to the manhole structure substrates.

Repair product(s) shall be fully compatible with coating product(s) including ability to bond effectively forming a composite system.

7-05.4 Measurement

This section is supplemented with the following:

(*****)

Rehabilitating and coating the existing sanitary sewer manhole will be measured per Lump Sum.

7-05.5 Payment

This section is supplemented with the following:

(*****)

“Rehab and Coat Existing Sanitary Sewer Manhole”

The lump sum unit Contract price for “Rehab and Coat Existing Sanitary Sewer Manhole” shall be full pay for all Work to rehabilitate and coat the existing sanitary sewer manhole, including protecting the existing structure throughout construction, abandonment of drop structure and related repairs, **excavation and backfill**, and coordination with NUD.

Division 8 Miscellaneous Construction

8-01 Erosion Control and Water Pollution Control

8-01.1 Description

This section is supplemented with the following:

(*****)

This Work consists of **providing and designing as necessary a portable storage and filtration system and** treating sediment laden water for acceptable discharge and preventing the conveyance of pollutants and sediment into surface waters, drainage systems, and environmentally critical areas.

8-01.2 Materials

This section is supplemented with the following:

(*****)

Pipe for temporary storm drain bypass shall meet the requirements of Section 7-04.2 based on the Contactor's means and methods to maintain the 100-year peak flow rate shown in Plans.

Jointing new pipe to existing pipe for storm drain pipe shall be in accordance with WSDOT 7-04.3. Connections between pipes of differing material shall be made with a flexible gasketed coupling, adaptor or coupling-adaptor to make a watertight joint. Couplings shall be those manufactured by Romac, Caulder, or Fernco or approved equivalent product. Jointing of dissimilar pipe shall be in accordance with WSDOT Section 7-08.3(2)G.

Portable Storage and Filtration Systems

Portable storage tanks with filtration treatment conforming to Baker Tank® media filter systems or Rain-for-Rent® equipment or approved equivalent. Design and sizing for pumps, portable storage tanks, filtration and treatment system shall be included in the Contractor prepared TESC Plan per Standard Specification Section 8-01.3(1)A1.

8-01.3 Construction Requirements

This section is supplemented with the following:

(*****)

The Contractor shall be responsible for providing adequate erosion control for the protection of the Municipal Separate Storm Sewer System and Waters of the State at all times.

The Contractor shall bear sole responsibility for damage to completed portions of the Work and to property located off the project site caused by erosion, siltation, runoff, or other related items during performance of the Work. The Contractor shall also bear sole responsibility for any pollution of rivers, streams, wetlands, groundwater, or other water which may occur as a result of the Work.

The Contractor shall exercise all necessary precaution and use all appropriate Best Management Practices (BMPs) throughout performance of the Work and the life of the Project to prevent pollution, erosion, siltation, damage to property, and damage to Municipal Separate Storm Sewer System and Waters of the State.

Project requires a Department of Ecology National Pollutant Discharge Elimination System (NPDES) Construction Stormwater General Permit (CSWGP), which will be obtained by the City of Kirkland prior to construction. The Contractor will be required to transfer the NPDES permit from the Contracting Agency to the Contractor as the responsible party.

The Contractor shall be responsible for obtaining Ecology's approval for any Work requiring additional approvals (e.g. Request for Chemical Treatment Form). The Contractor shall obtain additional permits as necessary. All costs to obtain and comply with additional permits shall be included in the applicable Bid items for the Work involved.

(*****)

The Contractor shall be responsible for all Work required for compliance with the CSWGP including annual permit fees.

8-01.3(1)A Submittals

Section 8-01.3(1)A is supplemented with the following:

(*****)

Prior to the Preconstruction Conference, and prior to beginning work at the site and/or incorporation of materials and equipment into the project, the Contractor shall prepare, submit, and obtain approval from the Contracting Agency for the following:

1. Spill Prevention, Control & Countermeasures (SPCC) Plan – Per Section 1-07.15(1);
2. Temporary Erosion and Sediment Control (TESC) Plans – Per Section 8-01.3(1)A.

The Contractor shall develop the TESC Plan in accordance with City of Kirkland and Ecology's guidelines.

(*****)

If the TESC Plan, at any time, is found to be inadequate to meet the intent of this section, or Ecology's requirements, the Contracting Agency may require the Contractor to revise and resubmit the plan. The Contractor shall implement the plan and any other BMP's necessary to adequately assure compliance with water quality standards.

8-01.3(1)C2 Process Wastewater

Section 8-01.3(1)C2 is supplemented with the following:

(*****)

A portable storage and filtration treatment system shall be used in conjunction with other TESC BMPs as needed to meet CSWGP water quality discharge requirements; alternative methods for treatment approach must be submitted in the Contractor prepared TESC Plan for approval. Sizing for pumps, tanks, and filtration treatment system shall be documented in the approved TESC Plan.

8-01.3(1)C4 Management of Off-Site Water

This section is supplemented with the following:

(*****)

The Type 2 Working Drawing shall show that the temporary storm bypass can convey the required flow rates as shown in the Plans.

8-01.5(1) Lump Sum Bid for Project (No Unit Items)

Add the following new item:

(*****)

“Construction Stormwater Pollution Prevention Plan (CSWPPP)”, Lump Sum.

The unit Contract price shall be full compensation for all costs incurred by the Contractor in performing the Work defined in Section 8-01.3(1)A1.

(*****)

Replace the description “Erosion Control and Water Pollution Prevention” with the description “Erosion Control and Water Pollution Prevention, _____ Work Area” within the section.

This section is supplemented with the following:

(*****)

The lump sum Contract price for “Erosion Control and Water Pollution Prevention, _____ Work Area” shall be full pay to perform the Work including the design and sizing of the system.

8-01.5(2) Item Bids

Supplement the first list item in the section with the following:

(*****)

The unit Contract price shall be full compensation for all costs incurred by the Contractor in performing the Work defined in Section 8-01.3(1)B.

This section is supplemented with the following:

(*****)

“Temporary Storm Drain Bypass”, per lump sum.

The unit Contract price per lump sum for “Temporary Storm Drain Bypass” shall be full pay for all Work to design, develop the Type 2 Working Drawing, install, maintain, connect to existing pipe, disconnect from existing pipe, remove and dispose of the temporary bypass.

8-02 Roadside Restoration

8-02.1 Description

This section is supplemented with the following:

(*****)

This Work shall include furnishing and placing Bioretention Soil Mix, Arborist Wood Chip Mulch, split rail fence, reinforced lawn surfacing, **site boulders and stepping stones**, and large woody debris stockpiled during clearing, see special provision 2-01.3 in accordance with these Specifications and as shown in the Plans.

(*****)

8-02.1(1) Submittals

Contractor shall submit the following within 14 days after to notice to proceed of Work under this section. Submittal shall be grouped into one package. This submittal does not preclude other acceptance and warranty requirements. Submit:

Materials Lists: A complete list of plant, seed mixes and miscellaneous staking materials proposed to be furnished and installed, demonstrating conformance with the requirements specified. List to include names and addresses of all nurseries and suppliers as well as type and quantity of plants being supplied by each nursery. Contractor shall submit documentation from each of the plant suppliers within 20 days of notice-to-proceed that the plant materials have been secured. Securing plant materials shall include documented orders or other approved documentation.

One gallon sample of Topsoil Type A, Compost (fine and medium) and Arborist Wood Chip Mulch to the Engineer for approval. Include names and addresses of suppliers.

Test reports for supplied Topsoil Type A and Compost including composition and nutrient levels from an approved agricultural testing laboratory at Contractor's expense.

Description of equipment, methods and procedures for ripping/ tilling areas specified for soil preparation.

Landscape Contractor/Installer qualifications per this Section.

Plant Establishment Plan per Section 8-02.3(2)C.

At least 14 Working Days in advance of construction, the Contractor must submit to the Engineer for approval the source name, samples and data demonstrating conformance of Bioretention Soil Mix with the Specifications including:

- A 2-pound minimum sample of Mineral Aggregate for Bioretention Soil Mix;
- A 2 pound minimum sample of Compost for Bioretention Soil Mix;
- A 5 pound sample of mixed Bioretention Soil Mix;
- Grain-size analysis per ASTM Designation D 422 (Standard Test Method for Particle-Size Analysis of Soils) from a representative sample of the Mineral Aggregate for Bioretention Soil Mix material, demonstrating that it meets the specifications of this section.
- Quality analysis results for Compost performed in accordance with Seal of Testing Assurance (STA) standards, as specified in this section; Compost for Bioretention Soil Mix shall be tested every thirty (30) calendar days and test results submitted within five (5) days of testing.

Hand tamp to compact.

- All debris, including stumps, sticks, roots, and rocks, concrete or asphalt specified for removal per above shall be removed and disposed of off the project site before topsoil or bioretention soil mix is placed.
- Prepare Bioretention Soil Mix and place 8" in infiltration pond areas in 4-inch lifts. Till first 4-inch lift into subgrade, then place the second 4" lift. Do not walk on, use equipment, drive on or otherwise compact the placed soils, except to plant and/or mulch. Allow soils to settle for a minimum of 30 days. Assume the Infiltration Pond will settle by approximately two inches (2") during this time. Apply additional Bioretention Soil Mix to achieve finished grade minus mulch as detailed.

For planting areas that become over-compacted due to construction use, such as staging areas and access roads, the Contractor shall remove any construction materials, rocks, or debris, then loosen and cultivate subgrade to a minimum depth of 12" prior to planting and seeding operations.

Soil preparation for MSE walls:

Prepare per MSE wall manufacturer's instructions.

8-02.3(6) Mulch and Amendments

This section is replaced with the following:

(*****)

Soil amendments of the type, quality, and quantities specified shall be applied where shown in the Plans or as specified in the Special Provisions. Areas receiving soil amendments shall be bare soil or vegetation free prior to application.

8-02.3(6)A Compost

This section is replaced with the following:

(*****)

Compost used for soil amendment shall be Compost for Bioretention Soil Mix as described in 8-02.2. All soil amendments shall be installed as shown in the Plans within 30 calendar days after delivery to the project site.

8-02.3(7) Layout of Planting, Lawn and Seeding Areas

This section is supplemented with the following:

(*****)

The Contractor shall coordinate with the Engineer for the location and placement of all previously stockpiled large woody debris in the wetland and wetland buffer areas. **See Special Provision Section 8-26.**

8-02.3(8) Planting

This section is supplemented with the following:

(*****)

Protect new plantings against harm from wind, unusual weather, foot traffic or other vandalism through project acceptance. Special planting techniques may be required

Finished Grade

The finished grade shall be ½ (half) inch below all mowing strips, curbs, sidewalks, and other appurtenances.

Sow Seed

Lawn area seeding shall be applied via hydro seeding, in accordance with Section 8-01.3(2), unless otherwise approved by Engineer.

PAM shall not be used as tackifier. Do not place straw or wood strand mulch on seeded lawn areas.

Fertilizer

Fertilizer for lawn installation shall be furnished and applied at the rate of 1 lb. of actual nitrogen per 1000 sq. ft.

Water Application

Water shall be applied as required throughout germination, initial growth period, and the lawn establishment period.

Sod

Sod shall be net-free, and be a variety specified by supplier for use in sports or play field environments.

~~8-02.3(10)DC~~ 8-02.3(10)D *Lawn Mowing*

Section ~~8-02.3(16)D~~ 8-02.3(10)D is supplemented with the following:

Lawn areas shall be mowed a minimum of twice per month (every 2 weeks) from March through November.

8-02.3(11)B *Bark and Wood Chip Mulch*

Replace this section with the following:

(*****)

Arborist Wood Chip Mulch shall be the Material used to meet erosion control and tree /vegetation protection requirements. Any contamination of the mulch due to the Contractor's operations shall be corrected to its former condition at the Contractor's expense.

Arborist Wood Chip Mulch erosion control application shall be with a forced air mulch spreader, or by a delivery method that does not disturb the surface to be protected, followed by hand-raking to obtain uniform coverage and clearance around tree trunks. Where a forced air equipment mulch application is indicated as providing unacceptable results, the Contractor shall employ manual or other application methods such as hand spreading and raking.

Planting and restoration areas shall receive two inches (2") depth of Arborist Wood Chip Mulch ~~per section 9-14.4(3)~~. Mulch shall be feathered to the base of the plant and 1 inch below the top of junction and valve boxes, curbs, and pavement edges. All plant crowns shall be free of mulch.

Infiltration Ponds shall receive two inches (2") depth of Medium Compost per Section 9-14.5(8) on bottom and ponding areas (up to rim elevation of overflow drain), and 2" depth of Arborist

Wood Chip Mulch ~~per section 9-14.4(3)~~ on side slopes above ponding area and all other areas. Mulch shall be feathered to the base of the plant and 1 inch below the top of junction and valve boxes, curbs, and pavement edges. All plant crowns shall be free of mulch.

Mulch shall be raked or manually cleared 6 to 8 inches from the trunk(s) of each new tree and 12-18" from existing trees to prevent damage from rot or rodents.

Should the wood chip mulch coverage expose at any time bare ground of more than 50% in any 100 square foot area, the Contractor shall promptly remulch the exposed area to full coverage of the thickness required.

8-02.3(13) Plant Establishment

The third paragraph of this section is supplemented with the following:

(*****)

Maintaining a weed-free condition shall include the removal of any remnant blackberry canes and roots.

(*****)

8-02.3(18) Streambed Boulders

Streambed boulders shall be placed as shown in the Plans.

(*****)

8-02.3(19) Stepping Stones

Install stepping stones in accordance with the details in the plans. Clean stone surfaces that have become dirty and stained prior to setting. Prior to placement remove soil, stains, and foreign materials and clean stones by thoroughly scrubbing stones with fiber brushes followed by a thorough drenching with clear water. Use only mild cleaning compounds that contain no caustic or harsh filler or abrasives.

(*****)

8-02.3(20) Split Rail Fence

Contractor shall furnish and construct split rail fence, including sensitive area signs, in accordance with the Plans including modifications required for rails. All timber and lumber shall be in accordance with Section 9-16.2(1)B.

(*****)

8-02.3(21) Reinforced Lawn Surfacing

Install reinforced lawn surfacing, including paver, edge restraint and anchor, and base and fill materials in accordance with manufacturer's recommendations. Surfacing shall be installed over a six inch depth of compacted gravel base meeting manufacturer specifications for base material and placed upon a prepared subgrade in accordance with Section 2-06.

8-02.4 Measurement

Section 8-02.4 is supplemented with the following:

(*****)

Topsoil shall be measured in place by the cubic yard.

“Bioretention Soil Mix” shall be measured in place by the cubic yard.

“Drainage Ditch Seeding Mix” shall be measured in place by the square yard.

Lawn Mowing shall be per lump sum, to be full pay for the specified work for the duration of the lawn mowing period.

“Live Stake”, per each.

“Streambed Boulder One Man” shall be measured in-place per each.

Split rail fence shall be measured by the linear foot of completed fence, along the ground line, exclusive of openings. No separate measurement will be made for sensitive area signs.

“Arborist Woodchip Mulch” shall be measured in-place by the cubic yard along the grade and slope of the area covered by the depth shown in the plans immediately after placement.

8-02.5 Payment

Section 8-02.5 is supplemented with the following:

(*****)

“Topsoil Type A”, per cubic yard.

The unit Contract price per cubic yard for “Topsoil Type A” shall be full pay for all Work to prepare the subgrade, soil preparation, and furnish and spread the material.

“Bioretention Soil Mix”, per cubic yard.

The unit Contract price per cubic yard for “Bioretention Soil Mix” shall include subgrade preparation and testing, furnishing and testing of soil mix, compost amendment, soil preparation, mixing, placement, soil tests, amendments, materials, compaction or other work required for completion of the Work.

“Drainage Ditch Seeding Mix” shall be measured in place by the square yard.

~~“Large Woody Debris Placement”, per lump sum.~~

~~The unit Contract price per lump sum for “Large Woody Debris Placement” shall be full pay for all Work to coordinate and place the large wood debris.~~

The Payment item for “Lawn Mowing” in Section 8-02.5 is replaced with the following:

“Lawn Mowing”, per lump sum.

All costs for lawn mowing per Section 8-02.3(16)C shall be included in the lump sum price for “Lawn Mowing” including work, materials and equipment required to provide mowing, weeding, fertilizing, as specified.

“Live Stake”, per each.

“Streambed Boulder One Man”, per each.

The unit Contract price per each for “Streambed Boulder One Man” shall be full pay for all Work required to obtain and install the boulders.

“Stepping Stones”, per lump sum.

The lump sum unit Contract price for “Stepping Stones” shall be full pay for all Work required to coordinate the selection of stones, furnish stones, prepare subgrade, and install the stepping stones.

“Split Rail Fence”, per linear foot.

The unit Contract price per linear foot for “Split Rail Fence” shall be full pay for all Work to furnish and install the fence including sensitive area signs and any required modifications to rails noted in the Plans.

“Reinforced Lawn Surfacing”, per lump sum.

The unit Contract price per lump sum for “Reinforced Lawn Surfacing” shall be full pay for all Work to furnish and install the surfacing including the edge restraints and anchors, Topsoil Type A, subgrade preparation, and providing, placing and compacting the gravel base material.

“Arborist Woodchip Mulch”, per cubic yard.

The unit Contract price per cubic yard for “Arborist Woodchip Mulch” shall be full pay for all Work for furnishing and spreading the mulch.

8-04 ~~Construction Requirements-Curbs, Gutters, and Spillways~~

8-04.3 ~~Construction Requirements~~

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

Section 8-03.5 is supplemented with the following:

(*****)

All concrete shall be air-entrained Class 4000 conforming to the requirements of Section 6-02.

8-05 ~~Pigmented Concrete Deck~~

8-05.1 ~~Description~~

Integrally colored finishes for cast-in-place concrete in Span 3 "Resting Area" and Pier 9 "Overlook", as shown in the Plans.

8-05.2 ~~Material~~

At Resting Area, provide colors from color additive manufacturer's Buddy Rhodes SB-40 Cobalt Blue, or approved equivalent.

At Overlook, provide colors from color additive manufacturer's Buddy Rhodes SB-99C Cool Gray, or approved equivalent.

8-05.3 ~~Construction Requirements~~

Entire deck shall receive the same transverse broom finish.

8-05.3(1) ~~Submittals~~

For each location, submit three mock-up samples 24" x 24" x 4" thick demonstrating colored concrete color with broom finished texture. Use three different pigment percentages to provide a range of colors for the Owner to select from.

It is acknowledged that sample submittals provide only general indication of color; color of completed work may differ.

8-05.3(2) ~~Quality Assurance~~

Perform work in accordance with: ACI 305.1, ACI 306.1, ACI 318.

Obtain pigment material from the same source and maintain high degree of consistency in workmanship throughout the Project.

Installer Qualifications: Concrete work shall be performed by a firm with at least five years of experience with work of similar scope and quality.

Contractor to submit written description of methods to be used for construction of the pigmented concrete "Resting Area" and "Overlook" indicated in the Plans, including finishing conditions, materials, workmanship, joint treatments, and curing methods.

demonstrating compliance with referenced standards. Provide list of fittings being provided with descriptions, load capabilities, and either photographs or drawings for each type.

Shop Drawings:

- Mounting brackets
- Poles and anchor bolts
- Luminaires
- Conduit
- Hand holes
- Junction boxes
- Lighting cabinet

Shop drawings for poles, anchor and mounting brackets shall be designed, signed and sealed by a Structural Engineer registered in the state of Washington. Poles shall be designed in accordance with AASHTO standards.

Mock-ups – Provide mock-up of junction box with terminal blocks, drivers and wiring for engineer review.

8-30.3(8) *Electrical Quality Assurance*

Installer Qualifications: Experienced in performing work of this section that has specialized in installation of work similar to that required for this project. Specific requirements:

NFPA 70 "National Electrical Code" for components and installation and NFPA 780.

UL 467

UL: Provide products which are UL-classified and labeled for the location and environment in which they are installed.

8-30.3(9) *Electrical Installation*

Installation shall meet electrical requirements listed in the WSDoT Standard Specifications for Road, Bridge, and Municipal Construction 2020 MS-41-10. Where conflicts arise between the WSDoT specification and what is listed in this specification, contact the Engineer.

Conduit Installation: Conduit in earth shall be installed minimum 2 ft below grade. Conduit shall run as straight as possible. Install conduit and duct as indicated according to manufacturer's written instructions. Use manufactured elbows for stub-ups in poles, concrete bases and hand holes / boxes. Use non-manufactured long sweep bends with a minimum radius of 25 feet both horizontally and vertically at other locations. Do not exceed 20 degrees for field bends. Make joints in ducts and fittings watertight according to manufacturer's instructions. Stagger couplings so those of adjacent ducts do not lie in the same plane. After installation and prior to installing pull string: Pull a brush through the full length of ducts. Use round bristle brush with a diameter 1/2 inch greater than internal diameter of duct. Install 100-pound-test nylon cord in ducts, including spares. Install conduit expansion joints where noted in the Plans.

Trench: Excavate to bottom elevation of conduit (s), and correct points of over excavation by returning trench to grade with mechanically compacted backfill to form a smooth trench bottom

8-31 Thermoplastic Pavement Marking

8-31.1 Description

This work consists of installing thermoplastic pavement markings for pedestrian and bicycle traffic visual and tactile wayfinding and warnings as shown in the Plans and as specified herein.

8-31.2 Material

A durable, high skid and slip resistant, pavement marking material suitable for use as markings to delineate pedestrian and bike lane, intersection, changes of direction, and speed control. For use on Portland cement concrete pavement surfaces.

Resilient preformed thermoplastic product which contains a minimum of thirty percent (30%) intermixed anti-skid/anti-slip elements uniformly distributed throughout the material.

Shall be composed of an ester-modified resin impervious to degradation by motor fuels, lubricants, etc., in conjunction with aggregates, pigments, binders, and anti-skid/anti-slip elements uniformly distributed throughout the material. The thermoplastic material shall conform to AASHTO designation M249, with the exception of the relevant differences due to the material being supplied in a preformed state, ~~and being non-reflective, and being of a color different from white or yellow.~~ Pavement marking material shall be white in color.

Skid/Slip Resistance: The surface of the preformed thermoplastic material shall contain factory applied anti-skid elements with a minimum hardness of 9 (Mohs scale). Upon application, the material shall provide a minimum static coefficient of friction of 0.6 when tested according to ASTM C 1028 (wet and dry), and a minimum static coefficient of friction of 0.6 when tested according to ASTM D 2047.

Thickness: The material must be supplied at a minimum thickness of 90 mils (2.29 mm) or 125 mils (3.15 mm).

Environmental Resistance: The material shall be resistant to deterioration due to exposure to sunlight, water, salt or adverse weather conditions and impervious to oil and gasoline and concrete cleaning solvents.

The material shall be capable of being applied on bituminous and/or Portland cement concrete pavements by the use of a handheld heat torch, and/or infrared heater.

The material shall be capable of being applied to asphalt and Portland cement concrete surfaces without preheating the application surface to a specific temperature.

The material shall be capable of being applied in temperatures down to 45°F (7.2°C) without any special storage, preheating or treatment of the material before application.

The material shall contain heating indicators evenly distributed on the surface that shall act as visual cues during both the application process and post-application.

Preparation:

General: Comply with manufacturer's product data, including product technical bulletins, product catalog installation instructions and product carton instructions for installation.

Examination: Site Verification of Conditions: Verify condition of the concrete paving which has been previously installed under other sections, to ensure it is acceptable for product installation in accordance with manufacturer's instructions. Do not begin installation until concrete paving surfaces are in satisfactory condition.

Layout preparation: Apply layout markings in accordance with approved shop drawings for the Engineer's review prior to application

Application:

The material shall be capable of being applied using the propane torch method, and/or infrared heater recommended by the manufacturer. The material shall be capable of being applied at ambient and road temperatures down to 45°F (7.2°C) without any preheating of the pavement to a specific temperature. A sealer specified by the manufacturer shall be applied to the pavement surface prior to material application to ensure proper adhesion. The sealer must be supplied by the material manufacturer in 300/600ml cartridges along with sealer application supplies. A thermometer shall not be required during the application process. The pavement shall be clean, dry and free of debris. Supplier must enclose application instructions in English and Spanish with each box/package only pertaining to an application method that does not require preheating of the pavement to a specific temperature before application.

8-31.4 Measurement

The Thermoplastic Paving Markings will be measured per Lump Sum.

8-31.5 Payment

"Thermoplastic Paving Markings", per lump sum, shall include all costs in connection with supplying and applying the pavement markings, **including mockup.**

GENERAL STRUCTURAL NOTES:

1. GENERAL

TLC-S-101 TABLE 1: SURVEY CONTROL POINTS				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
300	261916.56	1309473.63	128.32	SCRIBE
301	261708.44	1309751.98	142.99	SCRIBE
302	261761.67	1309973.45	140.11	REBAR
303	261484.84	1309720.92	145.62	SCRIBE
304	261553.14	1309266.87	142.12	SCRIBE
305	261231.96	1309389.91	152.85	SCRIBE
306	261426.22	1309397.69	145.36	SCRIBE
311	261364.65	1309746.23	152.43	NAIL

1.1 SPECIFIC STRUCTURAL DRAWING NOTES SUPERSEDE GENERAL STRUCTURAL NOTES WHERE THERE ARE DIFFERENCES.

1.2 DESIGN CODES
THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE:

- AASHTO LRFD GUIDE SPECIFICATIONS FOR THE DESIGN OF PEDESTRIAN BRIDGES, 2009
- AASHTO GUIDE SPECIFICATIONS FOR LRFD SEISMIC BRIDGE DESIGN, 2ND EDITION, 2011
- AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 7TH EDITION, 2014 WITH 2015-2016 INTERIM REVISIONS
- WSDOT BRIDGE DESIGN MANUAL (BDM), 2016
- WSDOT STANDARD SPECIFICATIONS M41-10, 2018
- AASHTO/AWS D1.5M/D1.5, BRIDGE WELDING CODE, 7TH EDITION, 2015
- AWS D1.1/D1.1M, STRUCTURAL WELDING CODE-STEEL, 23RD EDITION, 2015 W/ERRATA

1.3 DESIGN LOADS

1.3.1 DEAD LOAD

- REINFORCED CONCRETE: 155 PSF
- STEEL: 490 PSF

1.3.2 LIVE LOAD (UNFACTORED)

- PEDESTRIAN: 90 PSF
- RAILING LOAD: PER AASHTO LRFD BRIDGE DESIGN SPECIFICATION 3.8
- CONSTRUCTION: 50 PSF
- VEHICLE: H10 + TRAILER (NO IMPACT)

1.3.3 SEISMIC DESIGN

- BRIDGE CLASSIFICATION: OTHER BRIDGE
- RETURN PERIOD: 975 YR
- SITE CLASS: D
- PGA: 0.39g
- S_{DS}: 1.01g
- S_{D1}: 0.53g
- S_{DC}: D

1.3.4 VEHICULAR COLLISION LOAD

- 420 KIPS AT 5'-0" ABOVE FINISHED GROUND

1.3.5 UNIFORM TEMPERATURE LOAD

- MAXIMUM DESIGN TEMPERATURE = 120°F
- MINIMUM DESIGN TEMPERATURE = 0°F

1.4 BRIDGE DESIGN LIFE: 75 YEARS

1.5 BELOW GROUND STEEL CORROSION LOSS RATES FOR NON-AGGRESSIVE FILL (PER BDM 7.10.2.C):

- RATE = 0.003 INCHES/YR
- TOTAL LOSS = 0.225 INCHES

1.6 ALL UNITS ARE IN FEET WITH A REFERENCE CONSTRUCTION TEMPERATURE OF 60°F UNLESS NOTED OTHERWISE.

1.7 DEFINITIONS:

BF = BACK FACE
CIP = CAST-IN-PLACE
CLR = CLEAR
C/W = COMPLETE WITH
DCP = DOUBLE CORROSION PROTECTION
EF = EACH FACE
EOP = EDGE OF PAVEMENT
EW = EACH WAY
FF = FRONT FACE
HORIZ = HORIZONTAL
HSS = HOLLOW STRUCTURAL SECTION
INT = INTERIOR
JNT = JOINT
KSF = KIPS PER SQUARE FOOT
KSI = KIPS PER SQUARE INCH
LF = LINEAR FOOT
MISC = MISCELLANEOUS
NIC = NOT IN CONTRACT
OC = ON CENTER
OGFC = OPEN GRADED FRICTION COURSE
PL = PLATE
PSF = POUNDS PER SQUARE FOOT
PSI = POUNDS PER SQUARE INCH
REF = REFERENCE DIMENSION
ROW = RIGHT OF WAY
SE = SOUTHEAST
SS = STAINLESS STEEL
STIFF = STIFFENER
SYMM = SYMMETRIC ABOUT
THK = THICK
T.O. = TOP OF
TOC = TOP OF CONCRETE
TOD = TOP OF DECK
TYP = TYPICAL
UNO = UNLESS NOTED OTHERWISE
VERT = VERTICAL
W/ = WITH
PROVISIONAL = ITEM TO BE INSTALLED ONLY AS EXTENSION TO CONTRACT.
FUTURE = ITEM NOT REQUIRED UNDER THIS CONTRACT, BUT MAY BE INSTALLED AT A FUTURE DATE UNDER SEPARATE CONTRACT.

2. CONCRETE

2.1 CONCRETE COVER MEASURED FROM FACE OF CONCRETE TO ANY REINFORCING BAR SHALL BE AS FOLLOWS (INCHES), UNO:

- TOP OF DECK = 2.0
- SOFFIT OF DECK = 1.0
- SURFACES CAST AGAINST EARTH = 3.0
- DRILLED SHAFT = 6.0, UNO
- OTHER SURFACES NOT SPECIFIED ABOVE = 2.0

2.2 ALL EXPOSED EDGES OF CONCRETE TO BE CHAMFERED TO 3/4", UNO.

2.3 CONCRETE CLASSES

- CAST-IN-PLACE CONCRETE FOR BRIDGE DECK SHALL BE CLASS 4000D
- STAY-IN-PLACE PRECAST CONCRETE DECK PANELS SHALL BE CLASS 4000D
- CAST-IN-PLACE CONCRETE FOR APPROACH SLABS SHALL BE CLASS 4000A
- CAST-IN-PLACE CONCRETE FOR DRILLED SHAFTS SHALL BE CLASS 5000P
- ALL OTHER CAST-IN-PLACE CONCRETE SHALL BE CLASS 4000
- CLASS 4000D AGGREGATE SHALL BE LIMITED TO 0.75-INCH PER SPECIAL PROVISIONS

2.4 EPOXY SHALL MEET THE REQUIREMENTS OF ASTM C881 AND APPROPRIATE CLASS FOR THE SITE TEMPERATURE:

- BONDING AGENT - TYPE II, GRADE 2
- REBAR AND ANCHOR BOLT - TYPE IV, GRADE 1, 2, OR 3
- LEVELING COURSE - TYPE I, GRADE 3

2.5 ROUGHENED CONCRETE SURFACES SHALL BE WET ABRASIVE BLAST CLEANED TO SOUND CONCRETE AND FREE OF LAITANCE IN ACCORDANCE WITH ASTM D4259 TO A MINIMUM PROFILE OF 0.25 INCHES.

2.6 WALKING SURFACE OF BRIDGE DECK AND APPROACH SLABS SHALL RECEIVE A TRANSVERSE BROOM FINISH.

3. REINFORCING STEEL

3.1 REINFORCING STEEL SHALL BE IN ACCORDANCE WITH ASTM A706 GRADE 60.

3.2 WELDING OF REINFORCING STEEL IS NOT PERMITTED, UNO.

3.3 SPLICING OF TRANSVERSE DECK REINFORCING BARS AT LOCATIONS OTHER THAN THOSE SPECIFIED ON THE DRAWINGS IS NOT PERMITTED.

3.4 LONGITUDINAL BAR SPLICES ON ADJACENT BARS IN THE DECK SHALL BE STAGGERED SUCH THAT NOT MORE THAN 50% OF THE BARS ARE SPLICED AT ANY LOCATION, AND NO SPLICES SHALL BE LOCATED OVER THE END BEAMS.

3.5 MECHANICAL COUPLERS SHALL ONLY BE USED WITH APPROVAL OF ENGINEER UNO.

4. STRUCTURAL STEEL

4.1 ROLLED STEEL SHAPES SHALL BE ASTM A992 GRADE 50.

4.2 PLATES AND BARS SHALL CONFORM TO ASTM A709 GRADE 50, UNO.

4.3 RECTANGULAR HOLLOW STRUCTURAL SECTIONS (HSS) SHALL CONFORM TO ASTM A500 GRADE B (46 KSI).

4.4 HANGERS SHALL USE ROUND HSS ASTM A500 GRADE C (46 KSI).

4.5 TIE-CHORD PIPE STEEL SHALL CONFORM TO API 5L X52 (52 KSI) OR BETTER.

4.6 ARCH PIPE STEEL SHALL CONFORM TO API 5L X52 (52 KSI) OR BETTER.

4.7 STAINLESS STEEL PIPES SHALL BE IN ACCORDANCE WITH ASTM A304.

4.8 ROUNDNESS OF PIPE FROM BENDING TO DESIGN GEOMETRY SHALL BE +/- 10% OF NOMINAL DIAMETER.

4.9 ALL STAINLESS STEEL, DESIGNATED AS SS, SHALL CONFORM TO ASTM A267, GRADE 304 OR 316.

4.10 ALL WELDING SHALL CONFORM TO AWS D1.5 AND D1.1. FIELD WELDS SHALL BE GROUND SMOOTH WHERE SHOWN ON THE PLANS AND PAINTED TO MATCH SURROUNDING STEEL. FULL ULTRASONIC TESTING OF FIELD WELDS IS REQUIRED.

4.11 SHEAR CONNECTORS SHALL CONFORM TO ASTM A108, WITH A MINIMUM TENSILE STRENGTH OF 60 KSI. SHEAR CONNECTORS SHALL BE 0.75-INCH DIA. X 4.75-INCHES LONG, UNO.

4.12 STRUCTURAL BOLTS SHALL BE HIGH STRENGTH STRUCTURAL BOLTS CONFORMING TO ASTM F3125 GRADE 325, TYPE 1, HOT DIPPED GALVANIZED. BOLTS SHALL BE 1-INCH DIA, WITH THREADS EXCLUDED FROM THE SHEAR PLANE, AND STD SIZE HOLES, UNO. FAYING SURFACES SHALL COME WITH A CLASS B SURFACE CONDITION.

4.13 ANCHOR BOLTS SHALL CONFORM TO ASTM F1554, GRADE 55 HOT DIPPED GALVANIZED, UNO.

4.14 BOLTS SHALL BE TIGHTENED BY TURN-OF-THE-NUT METHOD UNO.

4.15 FLAT COUNTERSUNK CAP SCREWS (SFHCS) SHALL CONFORM TO ASTM F835.

4.16 STRUTS OF CONCRETE Y-PIERS SHALL NOT DEVIATE FROM STRAIGHT BY MORE THAN 1/1000 OF THE LENGTH BETWEEN POINTS OF LATERAL SUPPORT.

4.17 STEEL Y-PIERS COLUMN PLUMBNESS SHALL BE WITHIN 1/500 OF VERTICAL.

4.18 ARCH STRAIGHTNESS WITHIN THEIR PLANE SHALL BE IN ACCORDANCE WITH AWS D1.1 CLAUSE 7.22.1.

4.19 EACH MEMBER SHALL CARRY AN ERECTION MARK FOR IDENTIFICATION.

4.20 TIE-CHORD, ARCHES, HANGERS, AND END BEAMS SHALL BE FABRICATED ACCORDING TO FRACTURE CRITICAL MEMBER CRITERIA AND SHALL CONFORM TO THE LONGITUDINAL CHARPY V-NOTCH TESTING REQUIREMENTS OF THE STANDARD SPECIFICATIONS SECTION 6-03.2.

4.20 END BEAMS SHALL USE HIGH PERFORMANCE STEEL (HPS).

4.21 WELD ELECTRODE SHALL BE 70 KSI.

5. MISCELLANEOUS STEEL

5.1 MISCELLANEOUS STEEL SHALL CONFORM TO ASTM A572, GRADE 50 KSI.

5.2 MISCELLANEOUS STEEL IS STEEL NOT IDENTIFIED AS STRUCTURAL STEEL.

5.3 WELDING OF MISCELLANEOUS STEEL SHALL CONFORM TO AWS D1.1.

5.4 ALL MISCELLANEOUS STEEL AND EMBEDDED PLATE SHALL BE HOT DIPPED GALVANIZED TO ASTM A123.

6. COATINGS

6.1 ALL STRUCTURAL STEEL SHALL BE PAINTED UNLESS NOTED OTHERWISE. STEEL SURFACES SHALL BE BLAST CLEANED TO NEAR WHITE METAL BLAST, TO A 2 MIL PROFILE, AND PAINTED WITH A THREE COAT PAINT SYSTEM AS FOLLOWS:

- PRIME AND STRIP: INORGANIC ZINC RICH PRIMER

2.4 TO 2.8 MIL

- MIDCOAT: POLYAMIDE HIGH PERFORMANCE EPOXY 5.0 TO 6.0 MIL
- TOPCOAT: ALIPHATIC POLYURETHANE 1.5 TO 2.0 MIL

6.2 ALL TOP COAT PAINT (INCLUDING TOUCHUPS) SHALL COME FROM ONE SOURCE. THE COLOR SHALL BE PER SECTIONS 6-03.3(30) AND 6-07.2 OF THE SPECIAL PROVISIONS.

6.3 AREAS COVERED IN CONCRETE DO NOT NEED TO BE PAINTED. PAINT IS REQUIRED TO BE CARRIED INTO THE CONCRETE TO PROVIDE AN OVERLAP ZONE OF 2-INCHES MINIMUM.

6.4 AREAS REQUIRING FIELD WELDING SHALL BE MASKED OFF IN SHOP TO MAINTAIN BARE STEEL FINISH.

6.5 EXPOSED FACES OF ABUTMENTS A1 AND A12, PIERS P2-P6, AND PEDESTALS OF PIERS P7-P11 SHALL BE CLASS 2 WITH PIGMENTED SEALER. FINISH SHALL EXTEND 1' MIN BELOW FINISHED GROUND.

7. PRESTRESSING BARS

7.1 PT BARS SHALL BE DOUBLE CORROSION PROTECTED (DCP) HIGH STRENGTH 1.75" DIA. BARS CONFORMING TO AASHTO M275 GRADE 150 TYPE 2.

7.2 MANUFACTURER APPROVED HARDWARE SHALL BE USED FOR ANCHOR PLATES AND HEX NUTS.

8. BEARINGS

8.1 DISC BEARINGS SHALL CONFORM TO SPECIAL PROVISIONS.

9. CONSTRUCTION

9.1 A MONITORING SURVEY SHALL BE CONDUCTED DURING FOUNDATION WORK NEAR UTILITIES AND EXISTING STRUCTURES.

9.2 DRILLED SHAFT TIP ELEVATIONS ARE SUBJECT TO CHANGE AS APPROVED BY GEOTECHNICAL ENGINEER, DEPENDING UPON FOUNDATION MATERIAL ENCOUNTERED.

9.3 CONTRACTOR SHALL BE RESPONSIBLE FOR THE STABILITY OF THE STRUCTURE DURING CONSTRUCTION/ERECTION. ERECTION SEQUENCE DRAWINGS AND LIFTING PLANS SHALL BE SIGNED/SEALED BY WASHINGTON SE AND SUBMITTED TO ENGINEER FOR REVIEW PRIOR TO CARRYING OUT THE OPERATIONS.

9.4 FALSEWORK SHALL BE CAREFULLY RELEASED TO PREVENT IMPACT OR UNDUE STRESS IN THE STRUCTURE. CONCRETE PIER FORMWORK RELEASE SHALL FOLLOW THE SEQUENCE INDICATED ON THE PLANS.

9.5 AS-BUILT ELEVATIONS AND COORDINATES OF STEELWORK SHALL BE SUBMITTED TO ENGINEER FOR VERIFICATION PRIOR TO FULL SPAN LIFTS AND AFTER SPANS ARE ERECTED. ADJUSTMENTS TO STEELWORK MAY BE REQUIRED PRIOR TO CONCRETE PANEL PLACEMENT.

9.6 POINT LOADS ABOVE THE KC YORK FORCE MAIN SHALL BE AVOIDED DURING CONSTRUCTION ACTIVITIES OR PROTECTION OVER THE LINES SHALL BE PROVIDED. SEE NOTES ON SHEET TLC-S-165 FOR ADDITIONAL DETAILS.

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0	2019/12/06	CHJS	MWBM	ISSUE FOR BID



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DATE: _____

SCVA	2019/12/06
DESIGNED BY:	DATE
CHJS	2019/12/06
DRAWN BY:	DATE
MWBM	2019/12/06
CHECKED BY:	DATE

CITY OF KIRKLAND
TOTEM LAKE CONNECTION

GENERAL NOTES

SHEET: **TLC-S-101**

SCALE: AS SHOWN

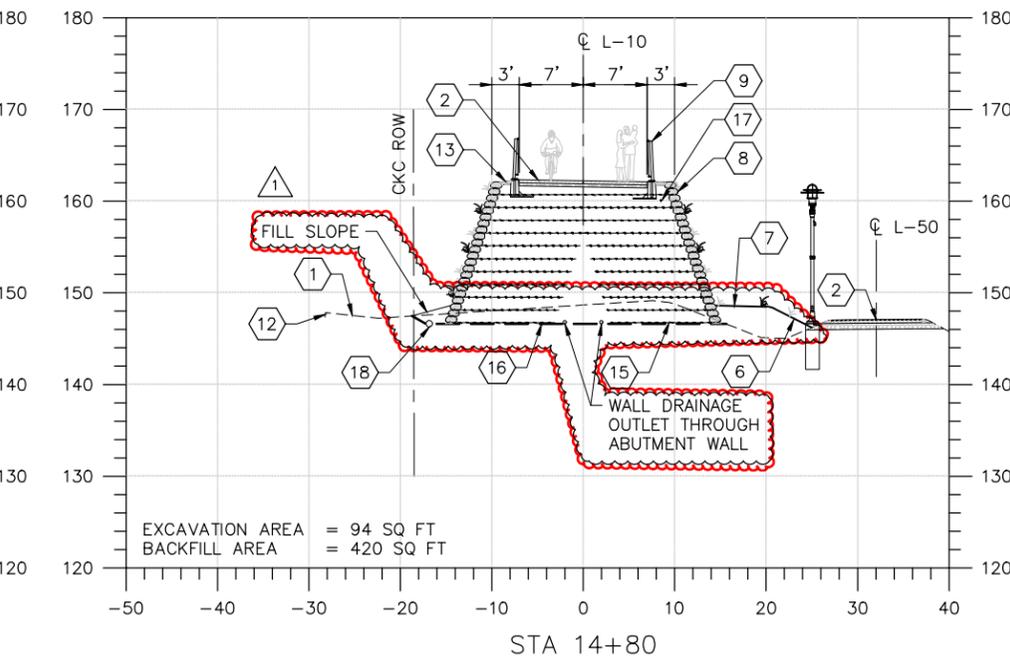
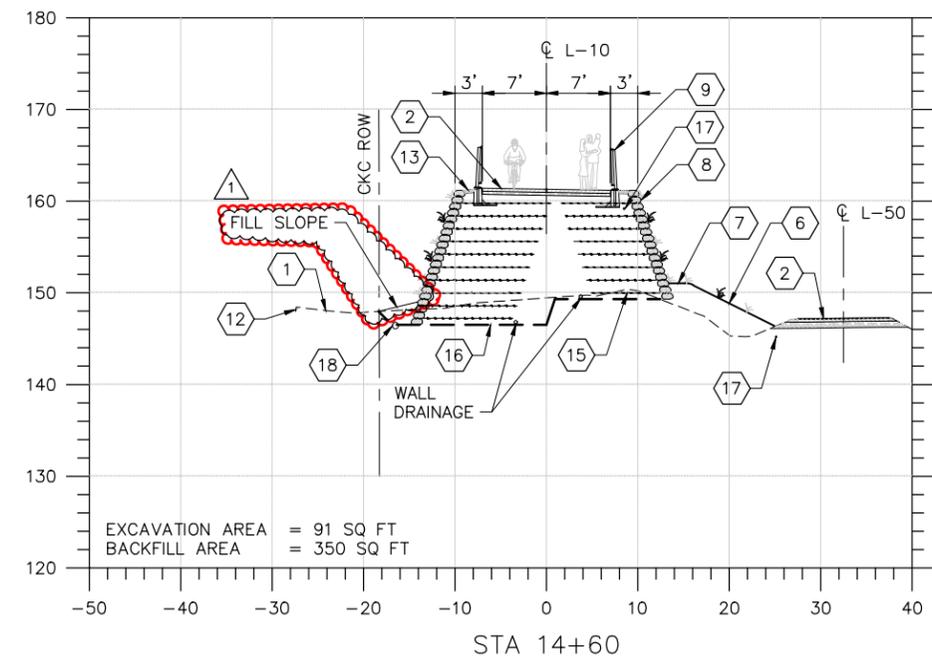
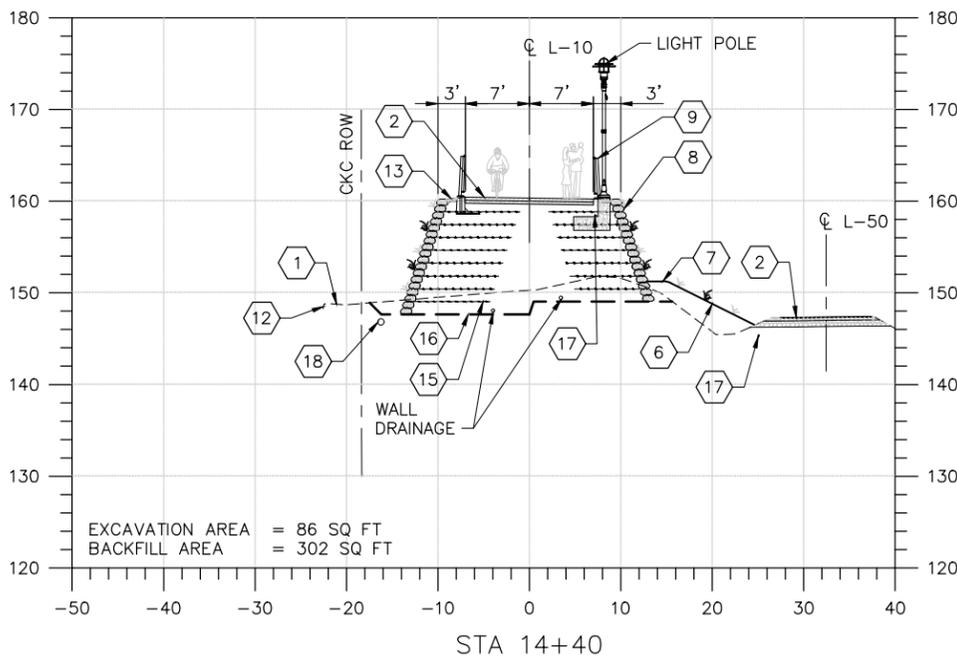
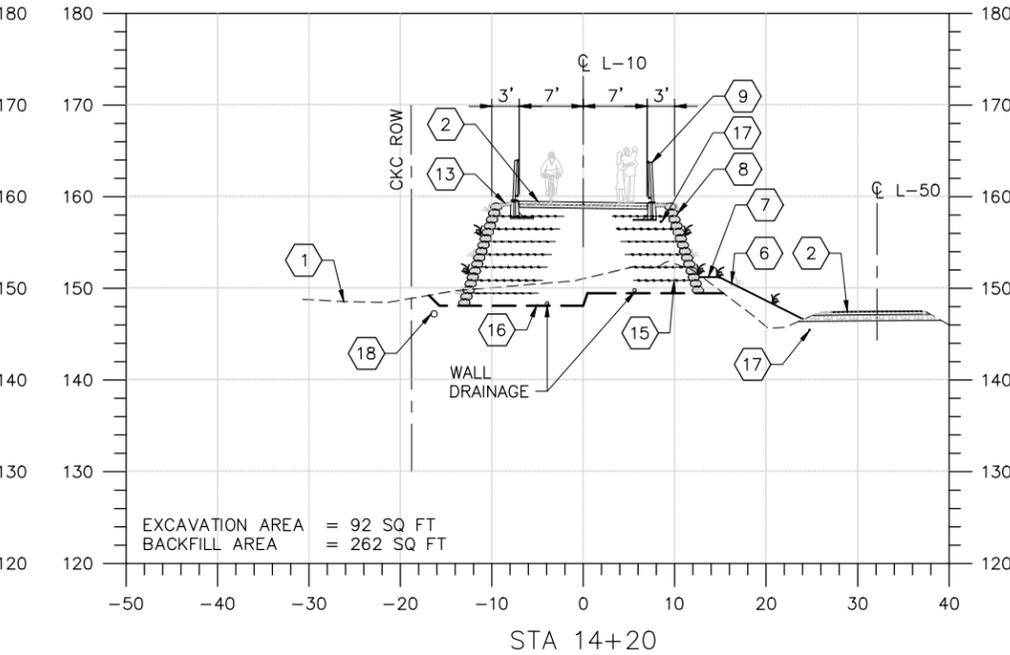
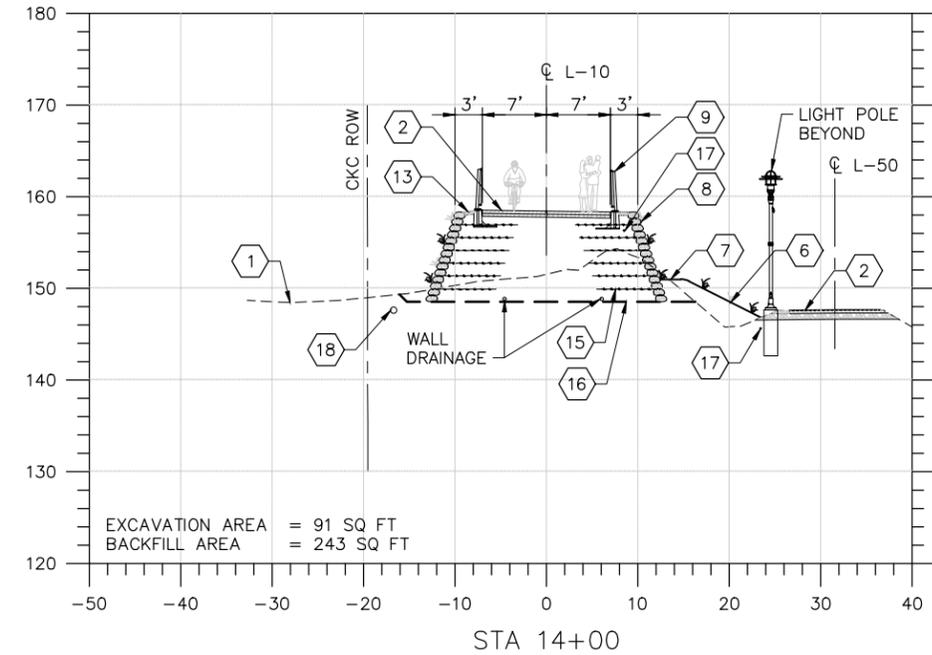
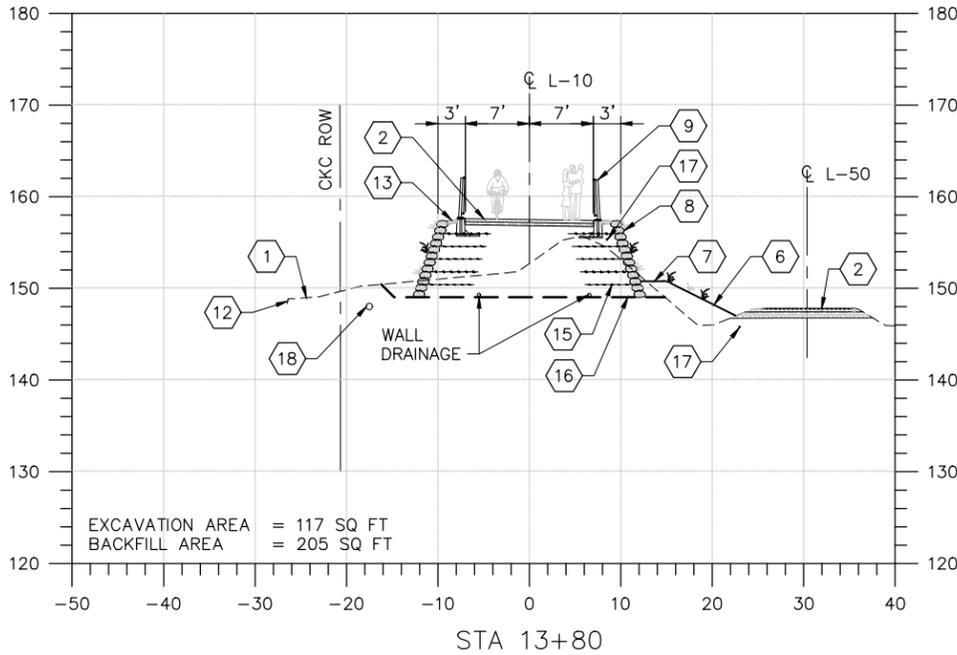
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LEGEND:

- | | | | | |
|--|---|--|------------------------------|---------------------|
| 1 EXISTING GROUND | 5 GRADING NEAR WEST SIDEWALK CONNECTION | 9 RAILING W/ FOOTING | 13 GRAVEL SHOULDER | 18 STORM SEWER PIPE |
| 2 PERVIOUS ASPHALT W/ SUB BASE | 6 FILL SLOPE 2H:1V | 10 CUT SLOPE 2H:1V BLENDED INTO EXISTING GRADE | 14 NOT USED | 19 ACCESS TRAIL |
| 3 MAINTAIN EXISTING GRAVEL SIDEWALK CONNECTION | 7 BENCH | 11 NOT USED | 15 MSE GEOGRID REINFORCEMENT | |
| 4 DITCH | 8 VEGETATED WALL 1H:3V | 12 EXISTING CURB | 16 EXCAVATION LINE | |

NOTES:

- FOR GENERAL STRUCTURAL NOTES SEE DWG TLC-S-101.
- FUTURE SANITARY SEWER FORCE MAIN AND FUTURE PSE POWER LINES NOT SHOWN.



SOUTH WALL SECTIONS

SCALE: 1" = 10'

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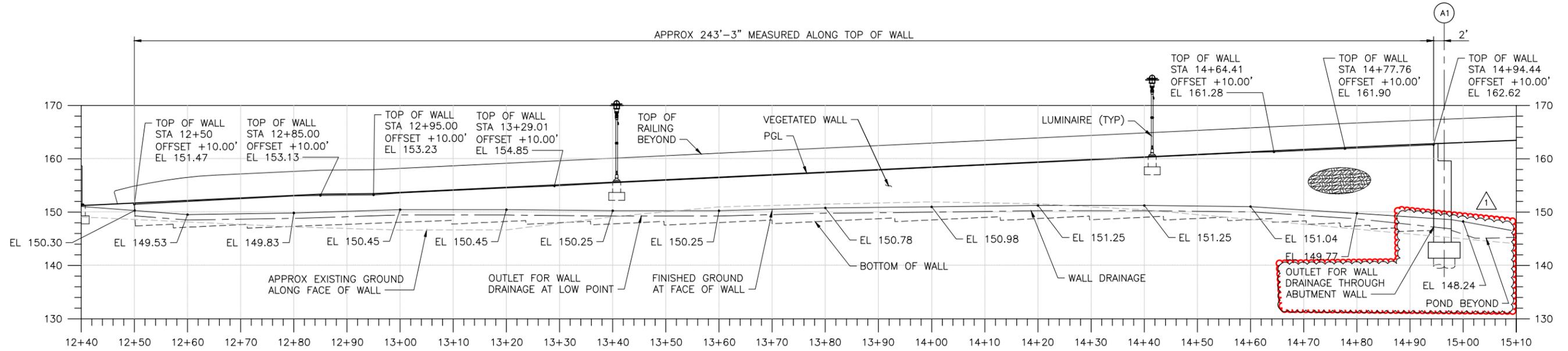
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CHJS DRAWN BY: 2019/12/06 DATE
MWBM CHECKED BY: 2019/12/06 DATE

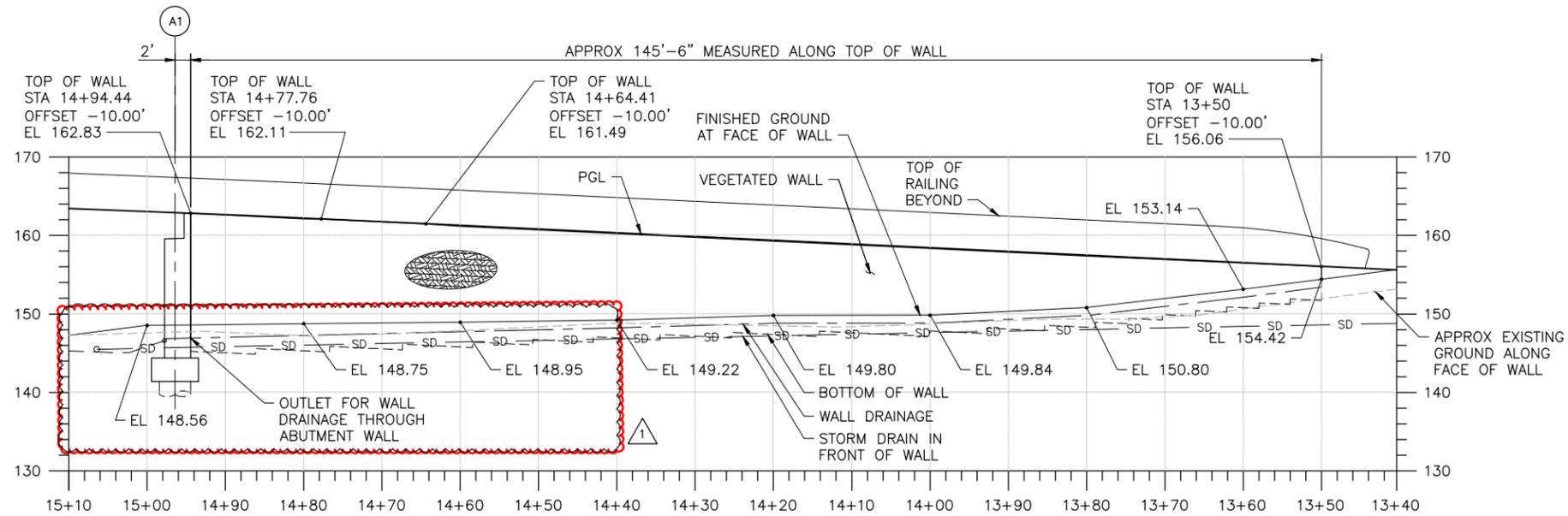
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SOUTH MSE WALL SECTIONS - SHEET 4

SHEET: **TLC-S-111**
SCALE: AS SHOWN
FILENAME: A088367-S-108-113.dwg



SOUTHEAST WALL ELEVATION
SCALE: 1" = 10'-0"



SOUTHWEST WALL ELEVATION
SCALE: 1" = 10'-0"

NOTES:

- FOR GENERAL STRUCTURAL NOTES SEE DWG TLC-S-101.

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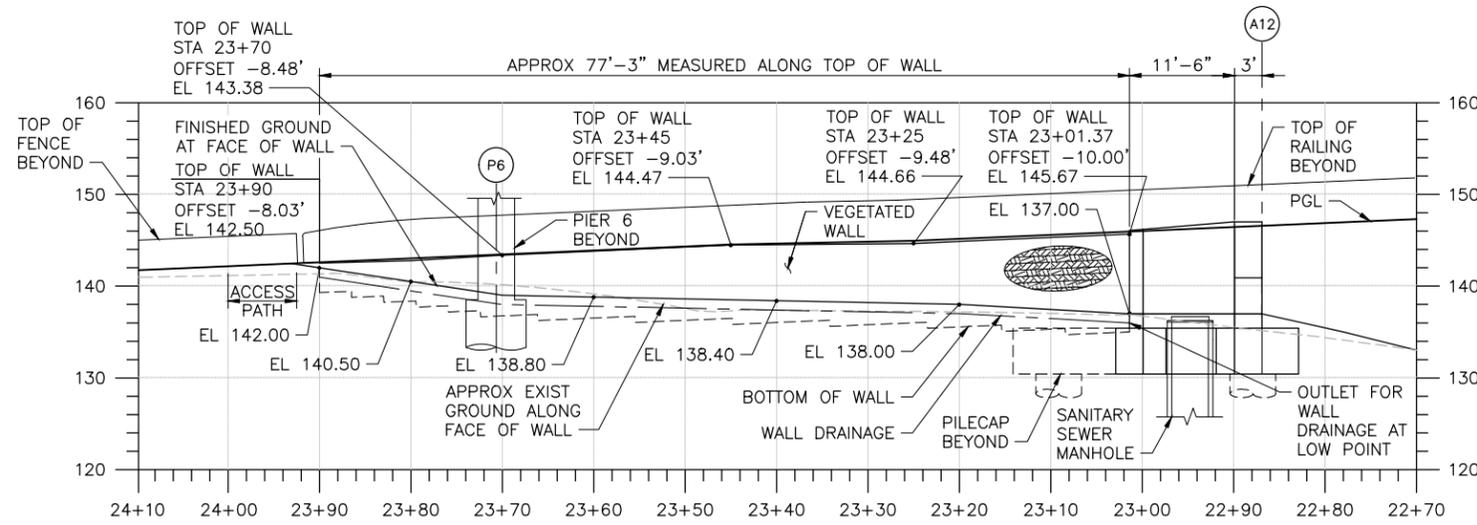
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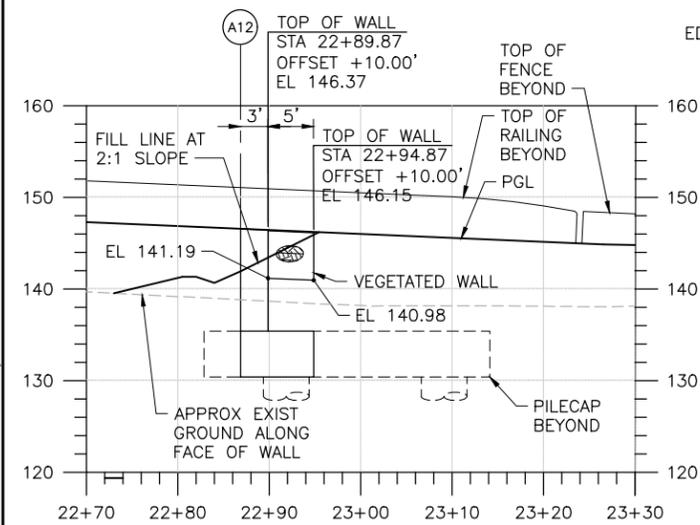
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TOTEM LAKE CONNECTION

MSE WALL ELEVATIONS

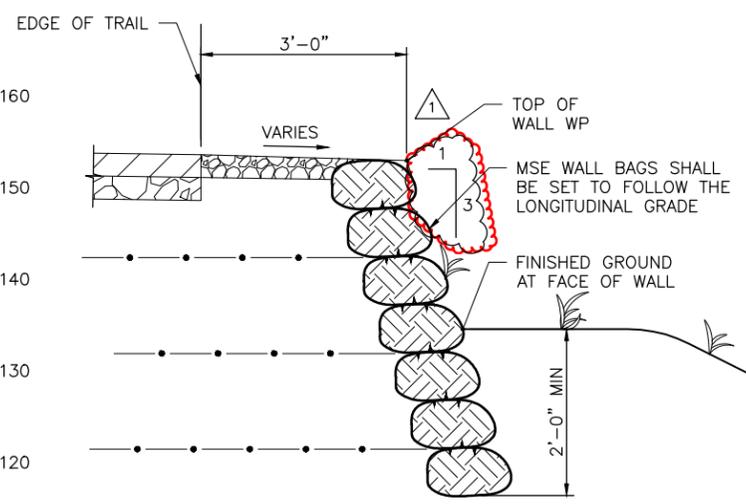
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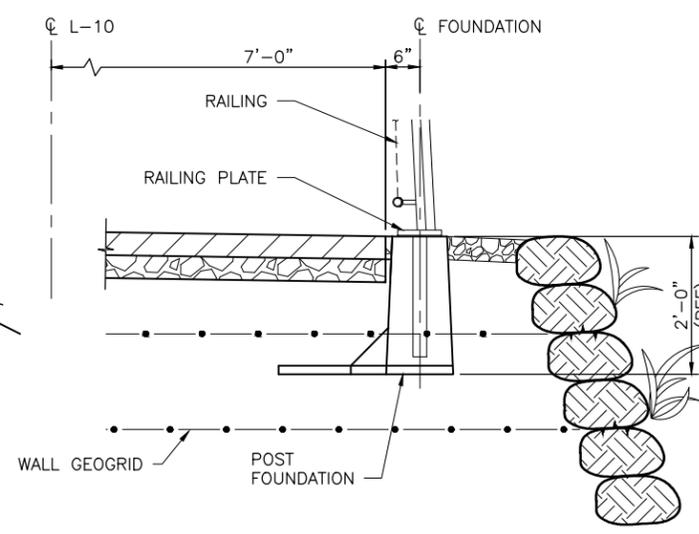
NORTHWEST WALL ELEVATION
SCALE: 1" = 10'-0"



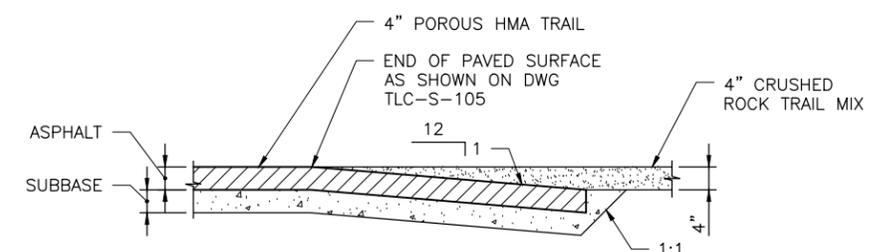
NORTHEAST WALL ELEVATION
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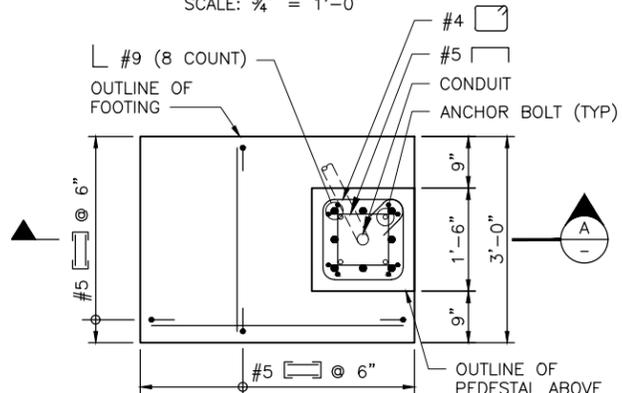
TYPICAL WALL SECTION
SCALE: 3/4" = 1'-0"
(SOUTHEAST WALL SHOWN, OTHERS SIMILAR)



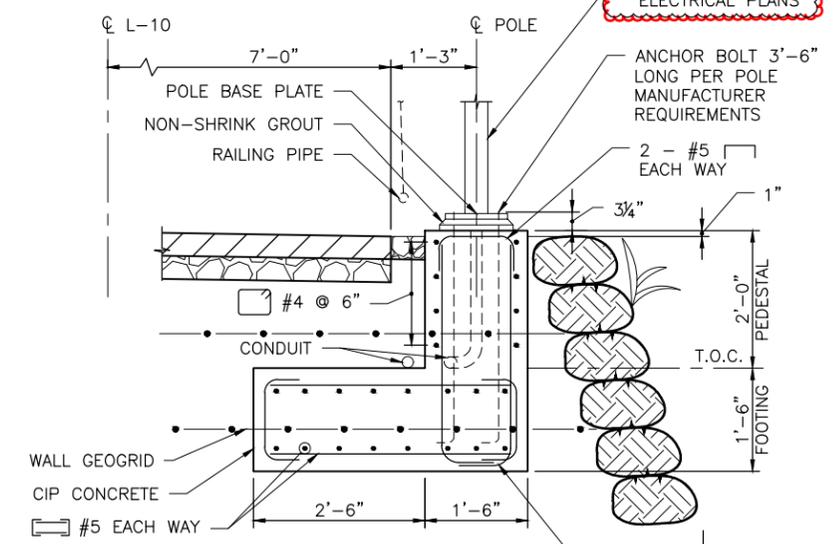
RAILING FOUNDATION DETAIL
SCALE: 3/4" = 1'-0"



PAVED SURFACE TRANSITION DETAIL
SCALE: 3/4" = 1'-0"



LUMINAIRE FOUNDATION PLAN
SCALE: 3/4" = 1'-0"



SECTION A
SCALE: 3/4" = 1'-0"

- NOTES:**
- FOR GENERAL STRUCTURAL NOTES SEE DWG TLC-S-101.
 - LUMINAIRE FOUNDATION IS DESIGNED FOR A FACTORED MOMENT OF 2.4 K-FT AND SHEAR OF 500-LBS ACTING AT THE UNDERSIDE OF BASE PLATE. CONTRACTOR SHALL CONFIRM ADEQUACY OF FOUNDATION FOR LOADS DIFFERENT FROM THIS.
 - LUMINAIRE ALONG L-50 SHALL USE COK STANDARD LIGHT POLE FOUNDATION PER STANDARD PLAN CK-R.47A, WITH PILE MODIFIED TO BE 5'-0" DEEP. TOP OF FOUNDATION SHALL PROJECT 1" MIN ABOVE FINISHED GROUND.

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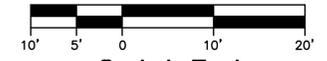
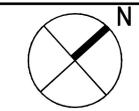


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CITY OF KIRKLAND
TOTEM LAKE CONNECTION
MSE WALL ELEVATIONS AND DETAILS

SHEET: **TLC-S-115**
SCALE: AS SHOWN
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LEGEND

- RIGHT OF WAY LINE
- APPROXIMATE LIMITS OF WORK
- ▨ CLEAR & GRUB (SEE GENERAL NOTE 4)
- ▩ CLEAR & GRUB OUTSIDE LIMITS OF HIGH VISIBILITY SILT FENCE, SEE SPECIAL PROVISIONS
- ▧ REMOVE PAVEMENT
- ▦ REMOVE EXISTING GRAVEL SURFACING
- ⋯ WATTLE (CK-E.10)
- HIGH VISIBILITY FENCE (WSDOT STD PLAN I-10.10-01)
- SILT FENCE (CK-E.03), UNLESS NOTED OTHERWISE
- ▬ TEMPORARY STORM DRAIN BYPASS
- FORCE MAIN / PUMPED STORMWATER

GENERAL NOTES

1. ALL UTILITIES DESCRIBED AS "FUTURE" ARE PART OF SEPARATE PROJECTS. THESE PLANS ASSUME ALL COMFORT INN BYPASS INFRASTRUCTURE IS INSTALLED PRIOR TO START OF CONSTRUCTION.
2. SEE SHEET C-170 FOR CITY OF KIRKLAND STANDARD EROSION/SEDIMENTATION CONTROL NOTES.
3. PROTECT EXISTING INFRASTRUCTURE, SITE FEATURES AND STRUCTURES NOT IDENTIFIED FOR REMOVAL.
4. INSTALL TEMPORARY SLOPE STABILIZATION (CK-E.06) WHERE SLOPE IS GREATER THAN 3H:1V.
5. NOT USED.
6. CONTRACTOR TO LOCATE AND PROTECT ALL EXISTING UTILITIES TO REMAIN.
7. SEE SPECIFICATIONS FOR HANDLING, CHARACTERIZATION, AND DISPOSAL OF POTENTIALLY IMPACTED SOILS.
8. CONFIRM STOCKPILING, LAYDOWN AREAS, AND ALL WORK WITHIN VICINITY OF KING COUNTY SANITARY SEWERS WITH ENGINEER PRIOR TO CONSTRUCTION.
9. REDIRECT DITCH FLOW AND SIZE TEMPORARY STORM DRAIN BYPASS TO CONVEY 100YR FLOW 13.9 CFS TO DOWNSTREAM STORM DRAIN SYSTEM.
10. SEE SPECIAL PROVISIONS AND HAZARDOUS MATERIALS REPORT IN PROJECT MANUAL APPENDIX FOR REQUIREMENTS FOR REMOVAL, HANDLING, AND DISPOSAL OF CONTAMINATED SOIL.

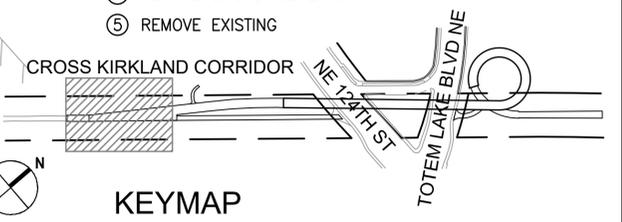
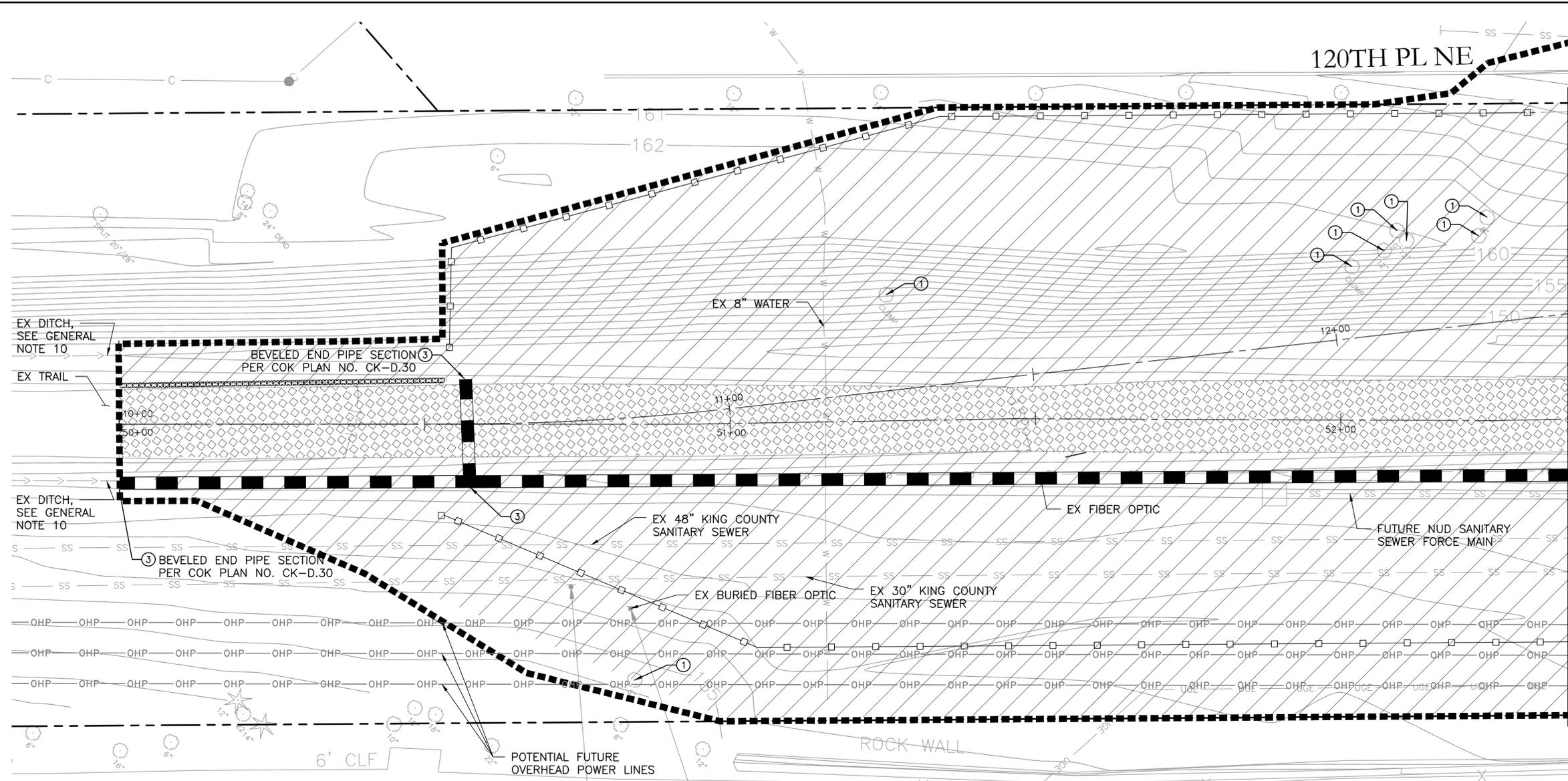
CONSTRUCTION NOTES

- ① REMOVE TREE
- ② INLET PROTECTION (KC E.11)
- ③ TEMPORARY STORM DRAIN BYPASS, SEE GENERAL NOTE 9
- ④ REMOVE & SALVAGE EXISTING
- ⑤ REMOVE EXISTING

1. **Revise General Note 7 to read:**
 "SEE SPECIAL PROVISIONS FOR HANDLING, TESTING, CHARACTERIZATION, AND DISPOSAL OF IMPACTED SOILS."

1. **Revise General Note 10 to read:**
 "SEE APPENDIX TO PROJECT MANUAL FOR LABORATORY ANALYSIS AND TEST RESULTS OF IMPACTED SOILS."

MATCHLINE - SEE SHEET C-172

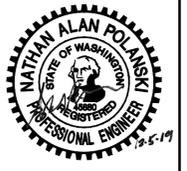


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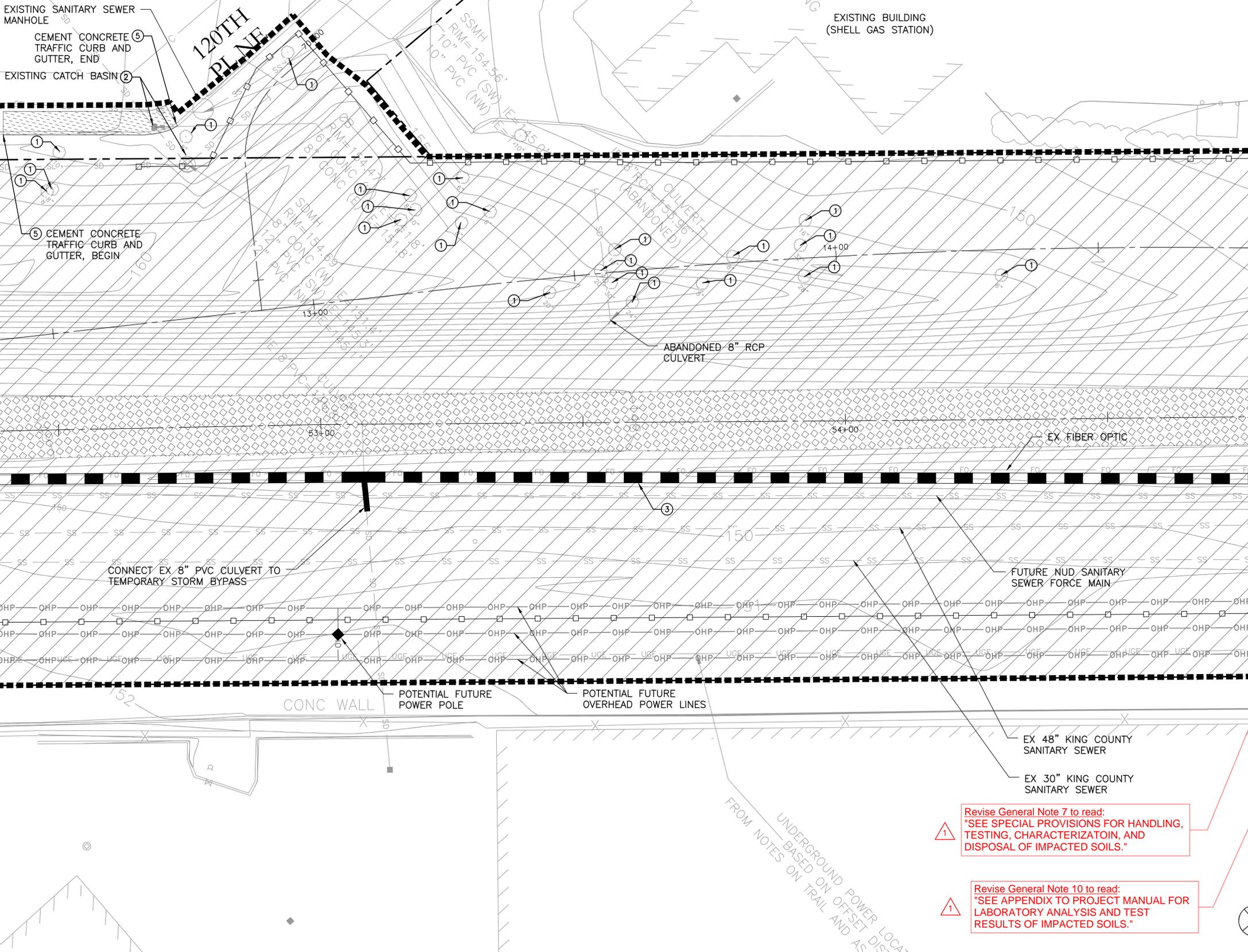
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0	2019/12/06	NP	ST	ISSUE FOR BID



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DESIGNED BY:		
JA	2019/12/06	DATE
DRAWN BY:		
KG	2019/12/06	DATE
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CITY OF KIRKLAND
TOTEM LAKE PEDESTRIAN BRIDGE
 DEMOLITION AND EROSION CONTROL PLAN 1

SHEET:	TLC - C - 171
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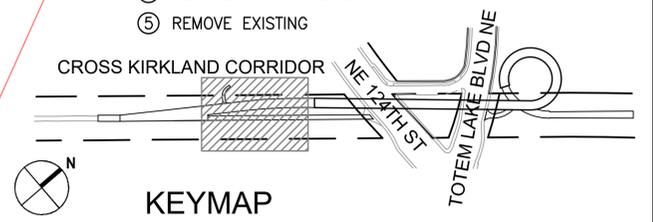
- LEGEND**
- RIGHT OF WAY LINE
 - APPROXIMATE LIMITS OF WORK
 - CLEAR & GRUB (SEE GENERAL NOTE 4)
 - CLEAR & GRUB OUTSIDE LIMITS OF HIGH VISIBILITY SILT FENCE, SEE SPECIAL PROVISIONS
 - REMOVE PAVEMENT
 - REMOVE EXISTING GRAVEL SURFACING
 - WATTLE (CK-E.10)
 - HIGH VISIBILITY FENCE (WSDOT STD PLAN I-10.10-01)
 - SILT FENCE (CK-E.03), UNLESS NOTED OTHERWISE
 - TEMPORARY STORM DRAIN BYPASS
 - FORCE MAIN / PUMPED STORMWATER

- GENERAL NOTES**
1. ALL UTILITIES DESCRIBED AS "FUTURE" ARE PART OF SEPARATE PROJECTS. THESE PLANS ASSUME ALL COMFORT INN BYPASS INFRASTRUCTURE IS INSTALLED PRIOR TO START OF CONSTRUCTION.
 2. SEE SHEET C-170 FOR CITY OF KIRKLAND STANDARD EROSION/SEDIMENTATION CONTROL NOTES.
 3. PROTECT EXISTING INFRASTRUCTURE, SITE FEATURES AND STRUCTURES NOT IDENTIFIED FOR REMOVAL.
 4. INSTALL TEMPORARY SLOPE STABILIZATION (CK-E.06) WHERE SLOPE IS GREATER THAN 3H:1V.
 5. NOT USED.
 6. CONTRACTOR TO LOCATE AND PROTECT ALL EXISTING UTILITIES TO REMAIN.
 7. SEE SPECIFICATIONS FOR HANDLING, CHARACTERIZATION, AND DISPOSAL OF POTENTIALLY IMPACTED SOILS.
 8. CONFIRM STOCKPILING, LAYDOWN AREAS, AND ALL WORK WITHIN VICINITY OF KING COUNTY SANITARY SEWERS WITH ENGINEER PRIOR TO CONSTRUCTION.
 9. REDIRECT DITCH FLOW AND SIZE TEMPORARY STORM DRAIN BYPASS TO CONVEY 100YR FLOW 13.9 CFS TO DOWNSTREAM STORM DRAIN SYSTEM.
 10. SEE SPECIAL PROVISIONS AND HAZARDOUS MATERIALS REPORT IN PROJECT MANUAL APPENDIX FOR REQUIREMENTS FOR REMOVAL, HANDLING, AND DISPOSAL OF CONTAMINATED SOIL.

- CONSTRUCTION NOTES**
- ① REMOVE TREE
 - ② INLET PROTECTION (KC E.11)
 - ③ TEMPORARY STORM DRAIN BYPASS, SEE GENERAL NOTE 9
 - ④ REMOVE & SALVAGE EXISTING
 - ⑤ REMOVE EXISTING

⚠ **Revise General Note 7 to read:**
 "SEE SPECIAL PROVISIONS FOR HANDLING, TESTING, CHARACTERIZATION, AND DISPOSAL OF IMPACTED SOILS."

⚠ **Revise General Note 10 to read:**
 "SEE APPENDIX TO PROJECT MANUAL FOR LABORATORY ANALYSIS AND TEST RESULTS OF IMPACTED SOILS."



MATCHLINE - SEE SHEET C-171

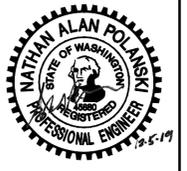
MATCHLINE - SEE SHEET C-173

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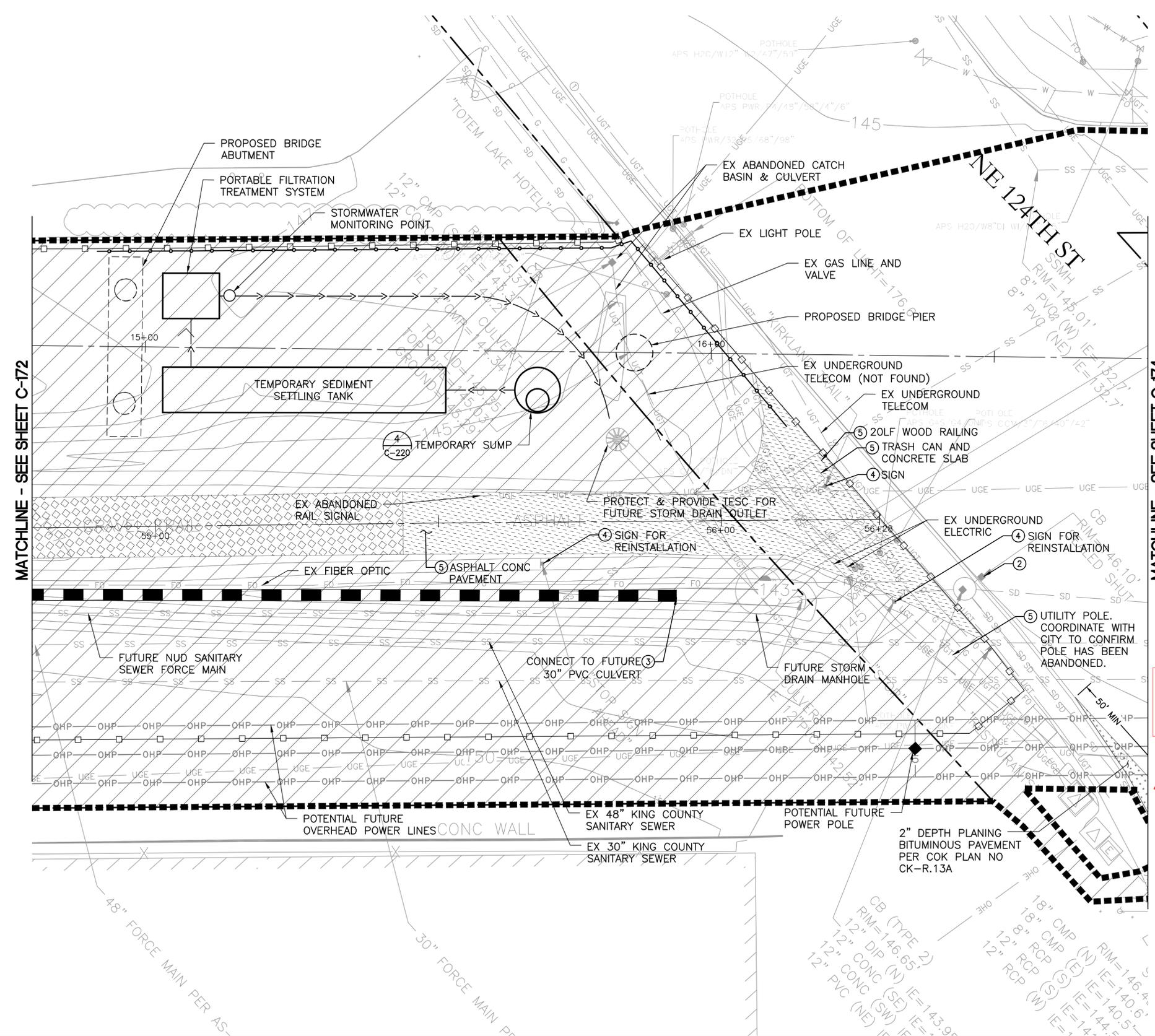
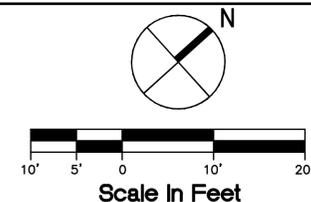
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0	2019/12/06	NP	ST	ISSUE FOR BID



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CITY OF KIRKLAND
 TOTEM LAKE PEDESTRIAN BRIDGE
 DEMOLITION AND EROSION CONTROL PLAN 2

SHEET:
TLC - C-172
 SCALE:
AS SHOWN
 FILENAME:
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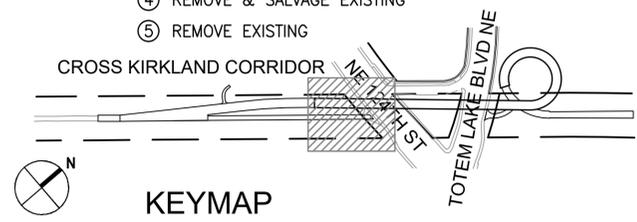
- LEGEND**
- RIGHT OF WAY LINE
 - APPROXIMATE LIMITS OF WORK
 - CLEAR & GRUB (SEE GENERAL NOTE 4)
 - CLEAR & GRUB OUTSIDE LIMITS OF HIGH VISIBILITY SILT FENCE, SEE SPECIAL PROVISIONS
 - REMOVE PAVEMENT
 - REMOVE EXISTING GRAVEL SURFACING
 - WATTLE (CK-E.10)
 - HIGH VISIBILITY FENCE (WSDOT STD PLAN I-10.10-01)
 - SILT FENCE (CK-E.03), UNLESS NOTED OTHERWISE
 - TEMPORARY STORM DRAIN BYPASS
 - FORCE MAIN / PUMPED STORMWATER

- GENERAL NOTES**
1. ALL UTILITIES DESCRIBED AS "FUTURE" ARE PART OF SEPARATE PROJECTS. THESE PLANS ASSUME ALL COMFORT INN BYPASS INFRASTRUCTURE IS INSTALLED PRIOR TO START OF CONSTRUCTION.
 2. SEE SHEET C-170 FOR CITY OF KIRKLAND STANDARD EROSION/SEDIMENTATION CONTROL NOTES.
 3. PROTECT EXISTING INFRASTRUCTURE, SITE FEATURES AND STRUCTURES NOT IDENTIFIED FOR REMOVAL.
 4. INSTALL TEMPORARY SLOPE STABILIZATION (CK-E.06) WHERE SLOPE IS GREATER THAN 3H:1V.
 5. NOT USED.
 6. CONTRACTOR TO LOCATE AND PROTECT ALL EXISTING UTILITIES TO REMAIN.
 7. SEE SPECIFICATIONS FOR HANDLING, CHARACTERIZATION, AND DISPOSAL OF POTENTIALLY IMPACTED SOILS.
 8. CONFIRM STOCKPIILING, LAYDOWN AREAS, AND ALL WORK WITHIN VICINITY OF KING COUNTY SANITARY SEWERS WITH ENGINEER PRIOR TO CONSTRUCTION.
 9. REDIRECT DITCH FLOW AND SIZE TEMPORARY STORM DRAIN BYPASS TO CONVEY 100YR FLOW 13.9 CFS TO DOWNSTREAM STORM DRAIN SYSTEM.
 10. SEE SPECIAL PROVISIONS AND HAZARDOUS MATERIALS REPORT IN PROJECT MANUAL APPENDIX FOR REQUIREMENTS FOR REMOVAL, HANDLING, AND DISPOSAL OF CONTAMINATED SOIL.

⚠️ **Revise General Note 7 to read: "SEE SPECIAL PROVISIONS FOR HANDLING, TESTING, CHARACTERIZATION, AND DISPOSAL OF IMPACTED SOILS."**

⚠️ **Revise General Note 10 to read: "SEE APPENDIX TO PROJECT MANUAL FOR LABORATORY ANALYSIS AND TEST RESULTS OF IMPACTED SOILS."**

- CONSTRUCTION NOTES**
- ① REMOVE TREE
 - ② INLET PROTECTION (KC E.11)
 - ③ TEMPORARY STORM DRAIN BYPASS, SEE GENERAL NOTE 9
 - ④ REMOVE & SALVAGE EXISTING
 - ⑤ REMOVE EXISTING



MATCHLINE - SEE SHEET C-172

MATCHLINE - SEE SHEET C-174

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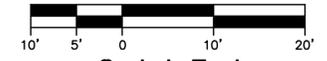
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CITY OF KIRKLAND
TOTEM LAKE PEDESTRIAN BRIDGE
 DEMOLITION AND EROSION CONTROL PLAN 3

SHEET:	TLC - C - 173
SCALE:	AS SHOWN
FILENAME:	TLPB_170_TESC-Demo.dwg



LEGEND

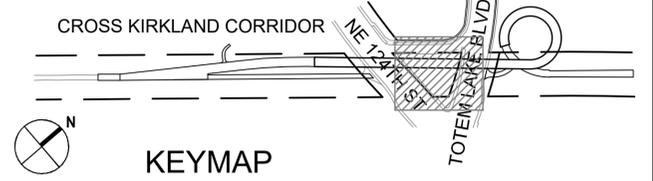
- RIGHT OF WAY LINE
- APPROXIMATE LIMITS OF WORK
- ▨ CLEAR & GRUB (SEE GENERAL NOTE 4)
- ▩ CLEAR & GRUB OUTSIDE LIMITS OF HIGH VISIBILITY SILT FENCE, SEE SPECIAL PROVISIONS
- ▧ REMOVE PAVEMENT
- REMOVE EXISTING GRAVEL SURFACING
- ⋯ WATTLE (CK-E.10)
- HIGH VISIBILITY FENCE (WSDOT STD PLAN I-10.10-01)
- SILT FENCE (CK-E.03), UNLESS NOTED OTHERWISE
- ▬ TEMPORARY STORM DRAIN BYPASS
- FORCE MAIN / PUMPED STORMWATER

GENERAL NOTES

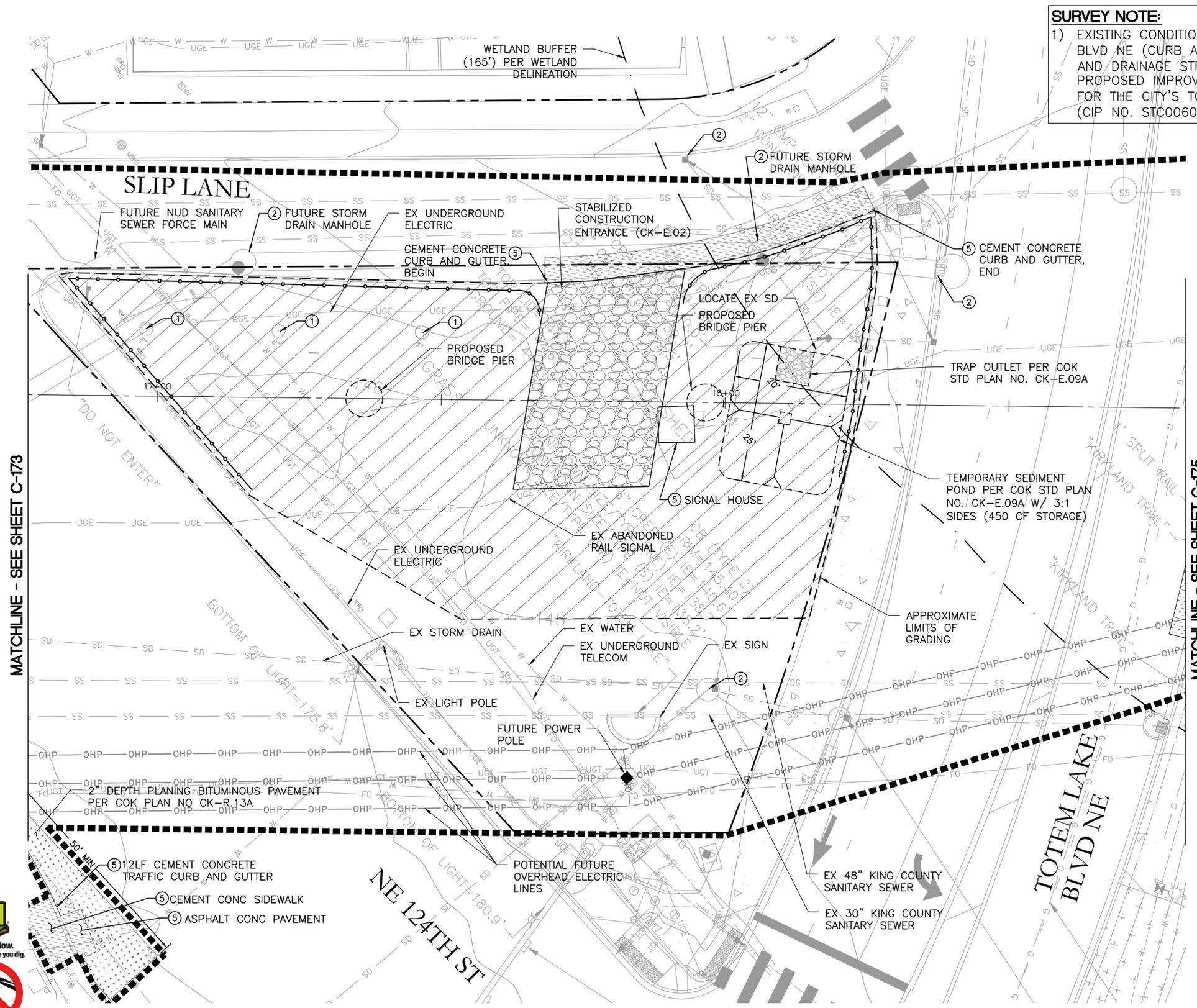
1. ALL UTILITIES DESCRIBED AS "FUTURE" ARE PART OF SEPARATE PROJECTS. THESE PLANS ASSUME ALL COMFORT INN BYPASS INFRASTRUCTURE IS INSTALLED PRIOR TO START OF CONSTRUCTION.
2. SEE SHEET C-170 FOR CITY OF KIRKLAND STANDARD EROSION/SEDIMENTATION CONTROL NOTES.
3. PROTECT EXISTING INFRASTRUCTURE, SITE FEATURES AND STRUCTURES NOT IDENTIFIED FOR REMOVAL.
4. INSTALL TEMPORARY SLOPE STABILIZATION (CK-E.06) WHERE SLOPE IS GREATER THAN 3H:1V.
5. NOT USED.
6. CONTRACTOR TO LOCATE AND PROTECT ALL EXISTING UTILITIES TO REMAIN.
7. SEE SPECIFICATIONS FOR HANDLING, CHARACTERIZATION, AND DISPOSAL OF POTENTIALLY IMPACTED SOILS.
8. CONFIRM STOCKPILING, LAYDOWN AREAS, AND ALL WORK WITHIN VICINITY OF KING COUNTY SANITARY SEWERS WITH ENGINEER PRIOR TO CONSTRUCTION.
9. REDIRECT DITCH FLOW AND SIZE TEMPORARY STORM DRAIN BYPASS TO CONVEY 100YR FLOW 13.9 CFS TO DOWNSTREAM STORM DRAIN SYSTEM.
10. SEE SPECIAL PROVISIONS AND HAZARDOUS MATERIALS REPORT IN PROJECT MANUAL APPENDIX FOR REQUIREMENTS FOR REMOVAL, HANDLING, AND DISPOSAL OF CONTAMINATED SOIL.

CONSTRUCTION NOTES

- ① REMOVE TREE
- ② INLET PROTECTION (KC E.11)
- ③ TEMPORARY STORM DRAIN BYPASS, SEE GENERAL NOTE 9
- ④ REMOVE & SALVAGE EXISTING
- ⑤ REMOVE EXISTING



SURVEY NOTE:
 1) EXISTING CONDITIONS SHOWN ALONG TOTEM LAKE BLVD NE (CURB ALIGNMENT, SIDEWALK, STRIPING AND DRAINAGE STRUCTURES) ARE BASED ON PROPOSED IMPROVEMENTS SHOWN IN THE BID SET FOR THE CITY'S TOTEM LAKE GATEWAY PROJECT (CIP NO. STC006050).



MATCHLINE - SEE SHEET C-173

MATCHLINE - SEE SHEET C-175

⚠
 Revise General Note 7 to read:
 "SEE SPECIAL PROVISIONS FOR HANDLING, TESTING, CHARACTERIZATION, AND DISPOSAL OF IMPACTED SOILS."

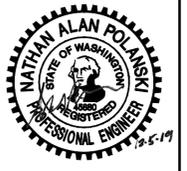
⚠
 Revise General Note 10 to read:
 "SEE APPENDIX TO PROJECT MANUAL FOR LABORATORY ANALYSIS AND TEST RESULTS OF IMPACTED SOILS."

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0	2019/12/06	NP	ST	ISSUE FOR BID

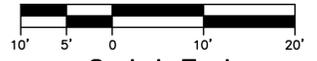


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JA	DRAWN BY:	2019/12/06	DATE
KG	CHECKED BY:	2019/12/06	DATE

CITY OF KIRKLAND
 TOTEM LAKE PEDESTRIAN BRIDGE
 DEMOLITION AND EROSION CONTROL PLAN 4

SHEET:	TLC - C - 174
SCALE:	AS SHOWN
FILENAME:	TLPB_170_TESC-Demo.dwg

MATCHLINE - SEE SHEET C-176



LEGEND

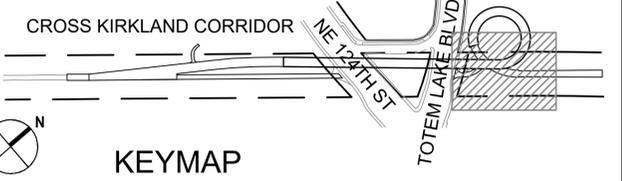
- RIGHT OF WAY LINE
- APPROXIMATE LIMITS OF WORK
- CLEAR & GRUB (SEE GENERAL NOTE 4)
- CLEAR & GRUB OUTSIDE LIMITS OF HIGH VISIBILITY SILT FENCE, SEE SPECIAL PROVISIONS
- REMOVE PAVEMENT
- REMOVE EXISTING GRAVEL SURFACING
- WATTLE (CK-E.10)
- HIGH VISIBILITY FENCE (WSDOT STD PLAN 1-10.10-01)
- SILT FENCE (CK-E.03), UNLESS NOTED OTHERWISE
- TEMPORARY STORM DRAIN BYPASS
- FORCE MAIN / PUMPED STORMWATER

GENERAL NOTES

1. ALL UTILITIES DESCRIBED AS "FUTURE" ARE PART OF SEPARATE PROJECTS. THESE PLANS ASSUME ALL COMFORT INN BYPASS INFRASTRUCTURE IS INSTALLED PRIOR TO START OF CONSTRUCTION.
2. SEE SHEET C-170 FOR CITY OF KIRKLAND STANDARD EROSION/SEDIMENTATION CONTROL NOTES.
3. PROTECT EXISTING INFRASTRUCTURE, SITE FEATURES AND STRUCTURES NOT IDENTIFIED FOR REMOVAL.
4. INSTALL TEMPORARY SLOPE STABILIZATION (CK-E.06) WHERE SLOPE IS GREATER THAN 3H:1V.
5. NOT USED.
6. CONTRACTOR TO LOCATE AND PROTECT ALL EXISTING UTILITIES TO REMAIN.
7. SEE SPECIFICATIONS FOR HANDLING, CHARACTERIZATION, AND DISPOSAL OF POTENTIALLY IMPACTED SOILS.
8. CONFIRM STOCKPILING, LAYDOWN AREAS AND ALL WORK WITHIN VICINITY OF KING COUNTY SANITARY SEWERS WITH ENGINEER PRIOR TO CONSTRUCTION.
9. REDIRECT DITCH FLOW AND SIZE TEMPORARY STORM DRAIN BYPASS TO CONVEY 100YR FLOW 13.9 CFS TO DOWNSTREAM STORM DRAIN SYSTEM.
10. SEE SPECIAL PROVISIONS AND HAZARDOUS MATERIALS REPORT IN PROJECT MANUAL APPENDIX FOR REQUIREMENTS FOR REMOVAL, HANDLING, AND DISPOSAL OF CONTAMINATED SOIL.

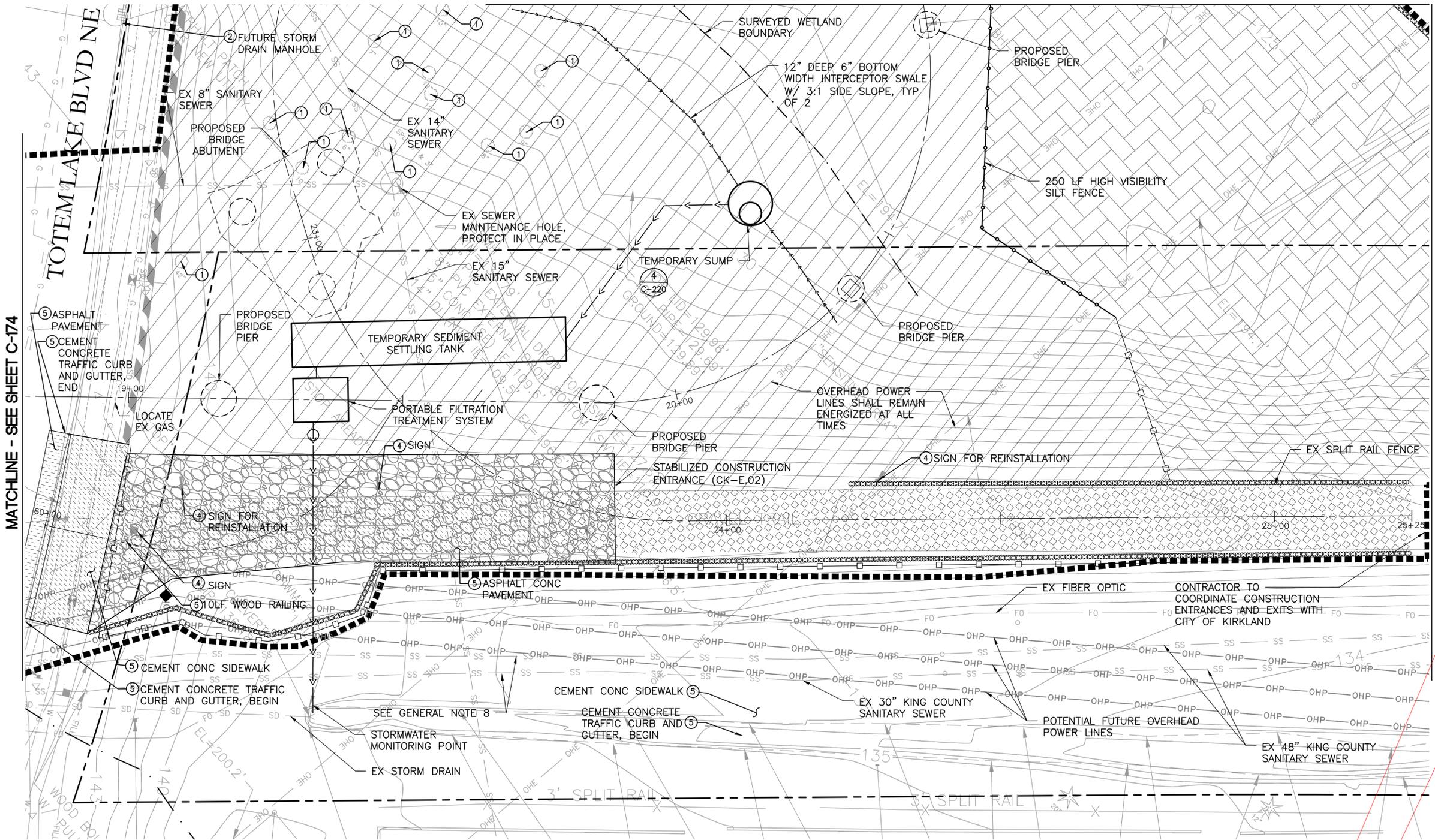
CONSTRUCTION NOTES

- ① REMOVE TREE
- ② INLET PROTECTION (KC E.11)
- ③ TEMPORARY STORM DRAIN BYPASS, SEE GENERAL NOTE 9
- ④ REMOVE & SALVAGE EXISTING
- ⑤ REMOVE EXISTING



MATCHLINE - SEE SHEET C-174

MATCHLINE - SEE SHEET C-177



⚠️ **Revise General Note 7 to read:**
"SEE SPECIAL PROVISIONS FOR HANDLING, TESTING, CHARACTERIZATION, AND DISPOSAL OF IMPACTED SOILS."

⚠️ **Revise General Note 10 to read:**
"SEE APPENDIX TO PROJECT MANUAL FOR LABORATORY ANALYSIS AND TEST RESULTS OF IMPACTED SOILS."

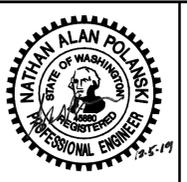
SURVEY NOTE:
1) EXISTING CONDITIONS SHOWN ALONG TOTEM LAKE BLVD NE (CURB ALIGNMENT, SIDEWALK, STRIPING AND DRAINAGE STRUCTURES) ARE BASED ON PROPOSED IMPROVEMENTS SHOWN IN THE BID SET FOR THE CITY'S TOTEM LAKE GATEWAY PROJECT (CIP NO. STC006050).

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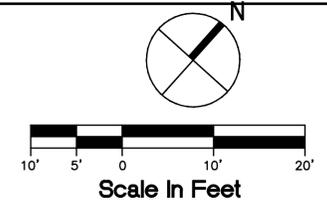
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CITY OF KIRKLAND
TOTEM LAKE PEDESTRIAN BRIDGE
DEMOLITION AND EROSION CONTROL PLAN 5

SHEET:	TLC - C-175
SCALE:	AS SHOWN
FILENAME:	TLPB_170_TESC-Demo.dwg

SURVEY NOTE:

1) EXISTING CONDITIONS SHOWN ALONG TOTEM LAKE BLVD NE (CURB ALIGNMENT, SIDEWALK, STRIPING AND DRAINAGE STRUCTURES) ARE BASED ON PROPOSED IMPROVEMENTS SHOWN IN THE BID SET FOR THE CITY'S TOTEM LAKE GATEWAY PROJECT (CIP NO. STC006050).



LEGEND

- RIGHT OF WAY LINE
- APPROXIMATE LIMITS OF WORK
- ▨ CLEAR & GRUB (SEE GENERAL NOTE 4)
- ▧ CLEAR & GRUB OUTSIDE LIMITS OF HIGH VISIBILITY SILT FENCE, SEE SPECIAL PROVISIONS
- ▩ REMOVE PAVEMENT
- REMOVE EXISTING GRAVEL SURFACING
- ⋯ WATTLE (CK-E.10)
- HIGH VISIBILITY FENCE (WSDOT STD PLAN I-10.10-01)
- SILT FENCE (CK-E.03), UNLESS NOTED OTHERWISE
- ▬ TEMPORARY STORM DRAIN BYPASS
- FORCE MAIN / PUMPED STORMWATER

GENERAL NOTES

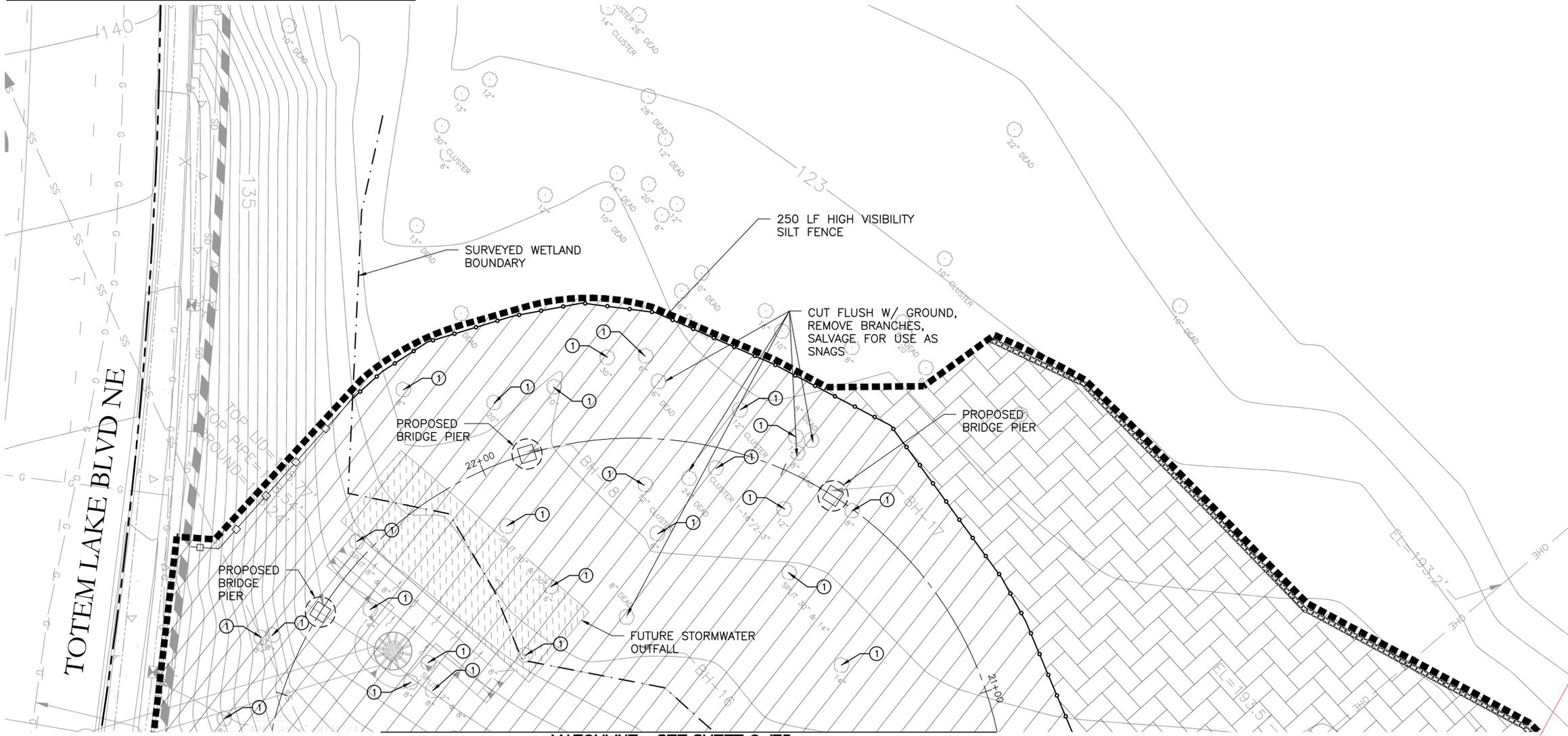
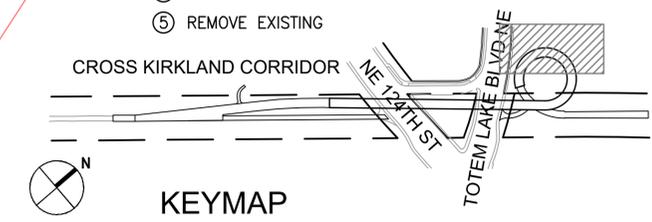
1. ALL UTILITIES DESCRIBED AS "FUTURE" ARE PART OF SEPARATE PROJECTS. THESE PLANS ASSUME ALL COMFORT INN BYPASS INFRASTRUCTURE IS INSTALLED PRIOR TO START OF CONSTRUCTION.
2. SEE SHEET C-170 FOR CITY OF KIRKLAND STANDARD EROSION/SEDIMENTATION CONTROL NOTES.
3. PROTECT EXISTING INFRASTRUCTURE, SITE FEATURES AND STRUCTURES NOT IDENTIFIED FOR REMOVAL.
4. INSTALL TEMPORARY SLOPE STABILIZATION (CK-E.06) WHERE SLOPE IS GREATER THAN 3H:1V.
5. NOT USED.
6. CONTRACTOR TO LOCATE AND PROTECT ALL EXISTING UTILITIES TO REMAIN.
7. SEE SPECIFICATIONS FOR HANDLING, CHARACTERIZATION, AND DISPOSAL OF POTENTIALLY IMPACTED SOILS.
8. CONFIRM STOCKPILING, LAYDOWN AREAS, AND ALL WORK WITHIN VICINITY OF KING COUNTY SANITARY SEWERS WITH ENGINEER PRIOR TO CONSTRUCTION.
9. REDIRECT DITCH FLOW AND SIZE TEMPORARY STORM DRAIN BYPASS TO CONVEY 100YR FLOW 13.9 CFS TO DOWNSTREAM STORM DRAIN SYSTEM.
10. SEE SPECIAL PROVISIONS AND HAZARDOUS MATERIALS REPORT IN PROJECT MANUAL APPENDIX FOR REQUIREMENTS FOR REMOVAL, HANDLING, AND DISPOSAL OF CONTAMINATED SOIL.

CONSTRUCTION NOTES

- ① REMOVE TREE
- ② INLET PROTECTION (KC E.11)
- ③ TEMPORARY STORM DRAIN BYPASS, SEE GENERAL NOTE 9
- ④ REMOVE & SALVAGE EXISTING
- ⑤ REMOVE EXISTING

⚠ **Revise General Note 7 to read:**
"SEE SPECIAL PROVISIONS FOR HANDLING, TESTING, CHARACTERIZATION, AND DISPOSAL OF IMPACTED SOILS."

⚠ **Revise General Note 10 to read:**
"SEE APPENDIX TO PROJECT MANUAL FOR LABORATORY ANALYSIS AND TEST RESULTS OF IMPACTED SOILS."



MATCHLINE - SEE SHEET C-175

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CITY OF KIRKLAND
TOTEM LAKE PEDESTRIAN BRIDGE
DEMOLITION AND EROSION CONTROL PLAN 6

SHEET: **TLC - C - 176**
SCALE: **AS SHOWN**
FILENAME: TLPB_170_TESC-Demo.dwg

SURVEY AND SHEET NOTES:

- 1) NO SURVEY NORTH OF TRAIL IMPROVEMENTS: ACTUAL LIMITS OF CLEARING AND GRUBBING TO BE COORDINATED WITH CITY. FOR PURPOSES OF BIDDING, THE AREAS SHOWN ARE INCLUDED IN THE 2.6 ACRES OF CLEARING AND GRUBBING.
- 2) NOTE SCALE CHANGE AT MATCHLINE ON THIS SHEET.
- 3) KING COUNTY SEWER MAINS SHOWN ON THIS PLAN ARE BEYOND SURVEY LIMITS AND BASED ON GIS INFORMATION. LOCATION SHOWN IS APPROXIMATE. SEE GENERAL NOTE 8.



LEGEND

- RIGHT OF WAY LINE
- APPROXIMATE LIMITS OF WORK
- ▨ CLEAR & GRUB (SEE GENERAL NOTE 4)
- ▧ CLEAR & GRUB OUTSIDE LIMITS OF HIGH VISIBILITY SILT FENCE, SEE SPECIAL PROVISIONS
- ▩ REMOVE PAVEMENT
- REMOVE EXISTING GRAVEL SURFACING
- ⋯ WATTLE (CK-E.10)
- HIGH VISIBILITY FENCE (WSDOT STD PLAN I-10.10-01)
- SILT FENCE (CK-E.03), UNLESS NOTED OTHERWISE
- ▬ TEMPORARY STORM DRAIN BYPASS
- FORCE MAIN / PUMPED STORMWATER

GENERAL NOTES

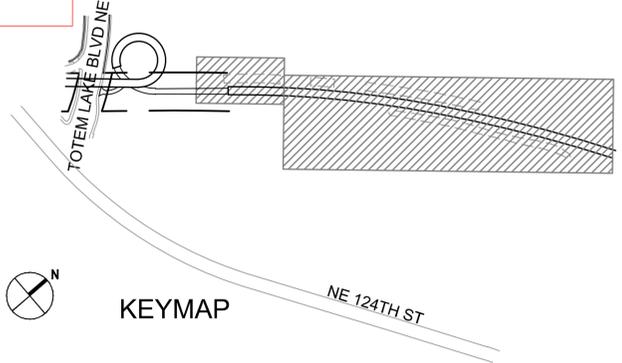
1. ALL UTILITIES DESCRIBED AS "FUTURE" ARE PART OF SEPARATE PROJECTS. THESE PLANS ASSUME ALL COMFORT INN BYPASS INFRASTRUCTURE IS INSTALLED PRIOR TO START OF CONSTRUCTION.
2. SEE SHEET C-170 FOR CITY OF KIRKLAND STANDARD EROSION/SEDIMENTATION CONTROL NOTES.
3. PROTECT EXISTING INFRASTRUCTURE, SITE FEATURES AND STRUCTURES NOT IDENTIFIED FOR REMOVAL.
4. INSTALL TEMPORARY SLOPE STABILIZATION (CK-E.06) WHERE SLOPE IS GREATER THAN 3H:1V.
5. NOT USED.
6. CONTRACTOR TO LOCATE AND PROTECT ALL EXISTING UTILITIES TO REMAIN.
7. SEE SPECIFICATIONS FOR HANDLING, CHARACTERIZATION, AND DISPOSAL OF POTENTIALLY IMPACTED SOILS.
8. CONFIRM STOCKPILING, LAYDOWN AREAS, AND ALL WORK WITHIN VICINITY OF KING COUNTY SANITARY SEWERS WITH ENGINEER PRIOR TO CONSTRUCTION.
9. REDIRECT DITCH FLOW AND SIZE TEMPORARY STORM DRAIN BYPASS TO CONVEY 100YR FLOW 13.9 CFS TO DOWNSTREAM STORM DRAIN SYSTEM.
10. SEE SPECIAL PROVISIONS AND HAZARDOUS MATERIALS REPORT IN PROJECT MANUAL APPENDIX FOR REQUIREMENTS FOR REMOVAL, HANDLING, AND DISPOSAL OF CONTAMINATED SOIL.

Revise General Note 7 to read:
"SEE SPECIAL PROVISIONS FOR HANDLING, TESTING, CHARACTERIZATION, AND DISPOSAL OF IMPACTED SOILS."

Revise General Note 10 to read:
"SEE APPENDIX TO PROJECT MANUAL FOR LABORATORY ANALYSIS AND TEST RESULTS OF IMPACTED SOILS."

CONSTRUCTION NOTES

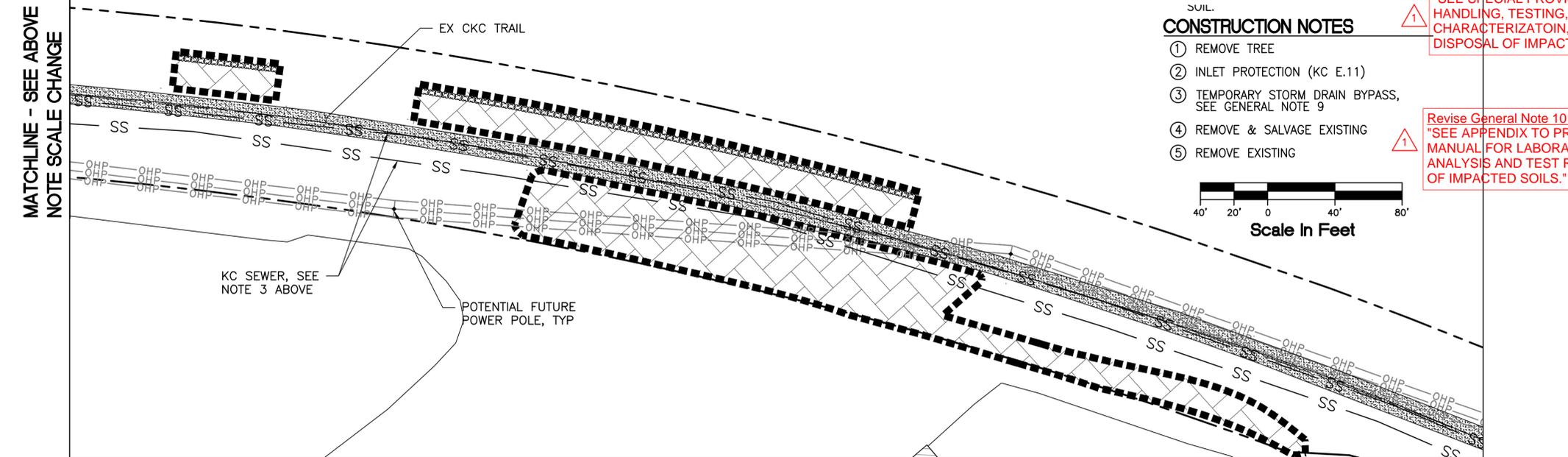
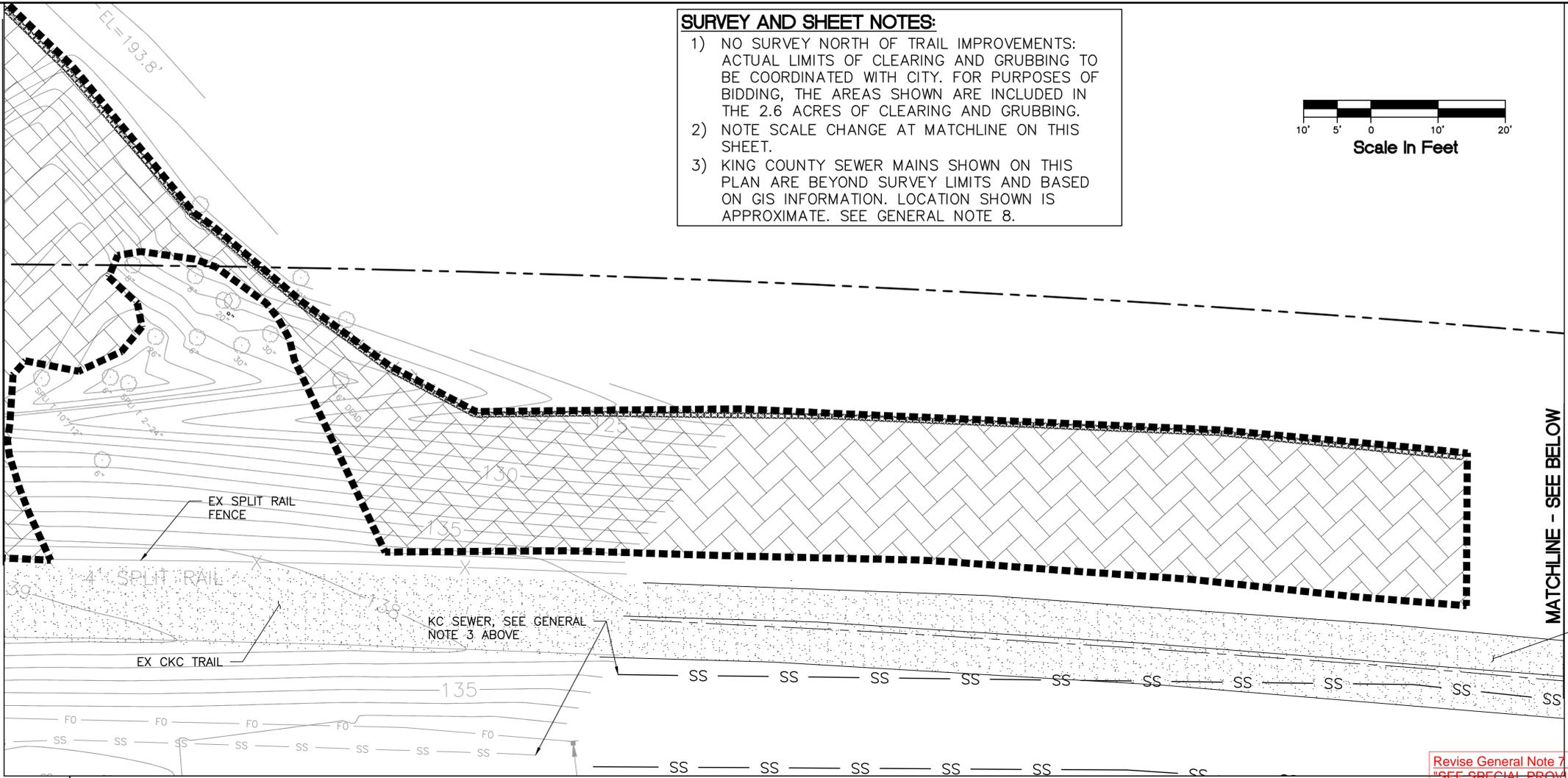
- 1 REMOVE TREE
- 2 INLET PROTECTION (KC E.11)
- 3 TEMPORARY STORM DRAIN BYPASS, SEE GENERAL NOTE 9
- 4 REMOVE & SALVAGE EXISTING
- 5 REMOVE EXISTING



MATCHLINE - SEE SHEET C-175

MATCHLINE - SEE BELOW
NOTE SCALE CHANGE

MATCHLINE - SEE ABOVE
NOTE SCALE CHANGE



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CITY OF KIRKLAND
TOTEM LAKE PEDESTRIAN BRIDGE
DEMOLITION AND EROSION CONTROL PLAN 7

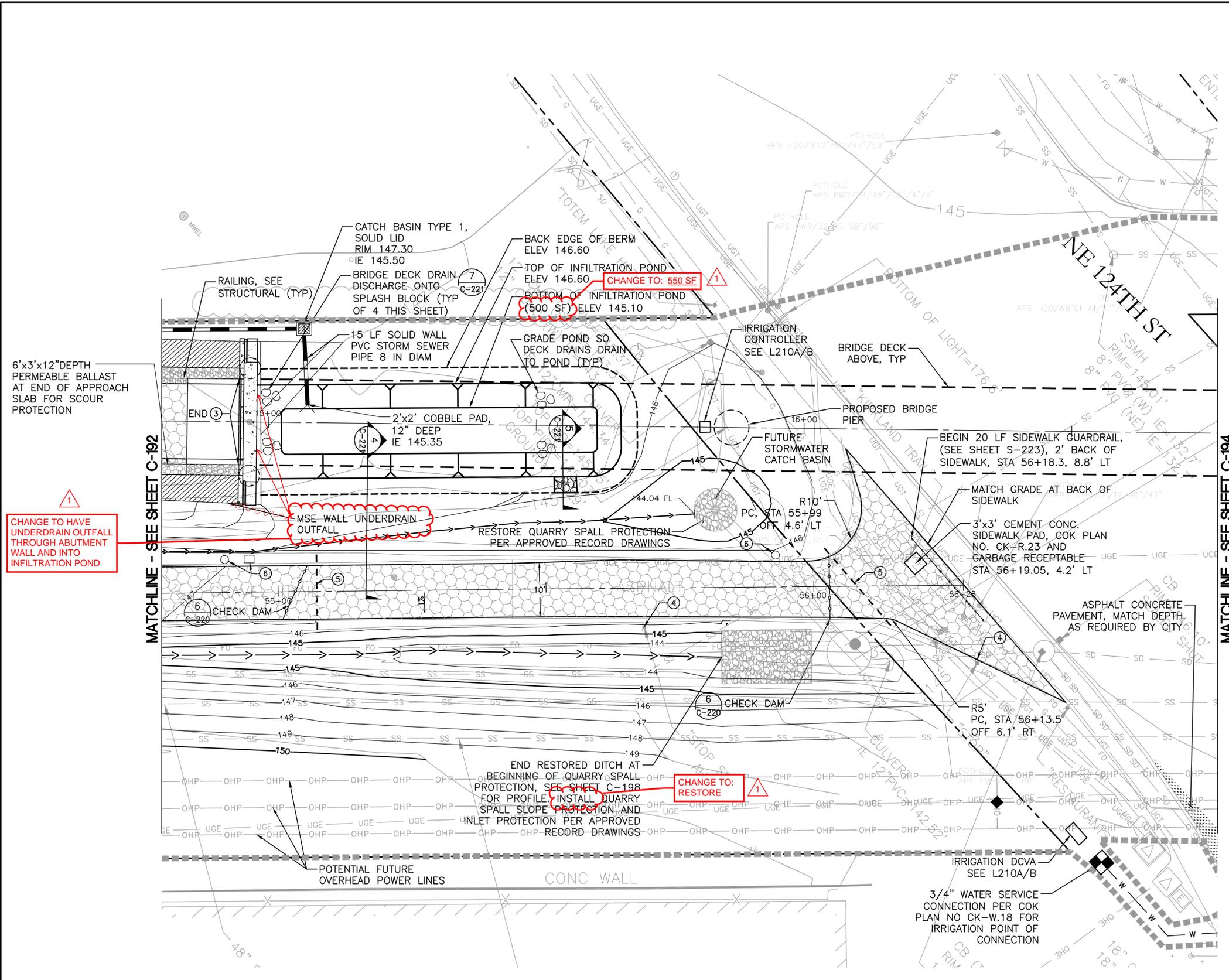
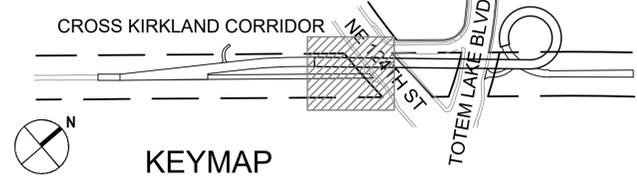
SHEET:	TLC - C - 177
SCALE:	AS SHOWN
FILENAME:	TLPB_170_TESC-Demo.dwg



- LEGEND**
- PROPERTY LINE
 - APPROXIMATE LIMITS OF WORK
 - [Hatched Box] MSE WALL, SEE GENERAL NOTE 2
 - [Arrow] RESTORED DITCH (1/3 C-221)
 - [Oval with Dashed Line] INFILTRATION POND (4-6 C-221)
 - [Line with Dash] STORM SEWER PIPE, TYPE AND SIZE PER PLANS
 - [Hexagonal Pattern] POROUS ASPHALT TRAIL (2 C-220)
 - [Dotted Pattern] CRUSHED SURFACING FOR TRAIL, 4" DEPTH
 - [Line with Dash] GRAVEL SHOULDER (2 C-221)
 - [x-xxx.xx] SPOT ELEVATION
 - [Arrow] SWALE (1/4 C-221)
 - [FS/FL] FINISHED SURFACE/FLOW LINE
 - [Circle with X] CONC/STEEL PIER, CONC ABUTMENT WALL, SEE STRUCTURAL PLANS
 - MAJOR CONTOUR (5')
 - MINOR CONTOUR (1')
 - [x-x-x-x] SPLIT RAIL FENCE (2 C-222)
 - [Line with Dash] GUARDRAIL, SEE SHEET S-223
 - [Hatched Box] REINFORCED LAWN SURFACING (7 C-220)

- CONSTRUCTION NOTES**
- ① 1' GRAVEL SHOULDER
 - ② 2' GRAVEL SHOULDER
 - ③ 3' GRAVEL SHOULDER
 - ④ REINSTALL SIGN PER COK STD PLAN CK-R.43
 - ⑤ INSTALL IRRIGATION SLEEVE PER L-210A/B, MAX SPACING 200'
 - ⑥ LIGHT FOUNDATION/JUNCTION BOX, SEE ELECTRICAL
 - ⑦ CRITICAL AREA SIGN ON SPLIT RAIL FENCE (1/2 C-222)

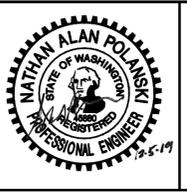
- GENERAL NOTES**
1. SEE S-103 TO S-107 FOR TRAIL ALIGNMENT DATA AND TYPICAL TRAIL SECTIONS.
 2. SEE S-108 TO S-114 FOR MSE WALL PROFILE AND SECTIONS.



File: G:\15c\15094c\TLPB\Current\TLPB_190_GRADE-DRAIN.dwg Save Date: Dec 06, 2019 9:54 AM Saved By: JENNIFERA

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NO.	DATE	BY	APPR.	REVISION
1	2020/03/09	NP	DR	ADDENDUM 3
0	2019/12/06	NP	DR	ISSUE FOR BID



DR	DESIGNED BY:	2019/12/06	DATE
JA	DRAWN BY:	2019/12/06	DATE
KG	CHECKED BY:	2019/12/06	DATE

CITY OF KIRKLAND
TOTEM LAKE PEDESTRIAN BRIDGE
GRADING AND DRAINAGE PLAN 3

SHEET: **TLC - C - 193**
 SCALE: **AS SHOWN**
 FILENAME: TLPB_190_GRADE-DRAIN.dwg

SURVEY NOTE:
 1) EXISTING CONDITIONS SHOWN ALONG TOTEM LAKE BLVD NE (CURB ALIGNMENT, SIDEWALK, STRIPING AND DRAINAGE STRUCTURES) ARE BASED ON PROPOSED IMPROVEMENTS SHOWN IN THE BID SET FOR THE CITY'S TOTEM LAKE GATEWAY PROJECT (CIP NO. STC006050).

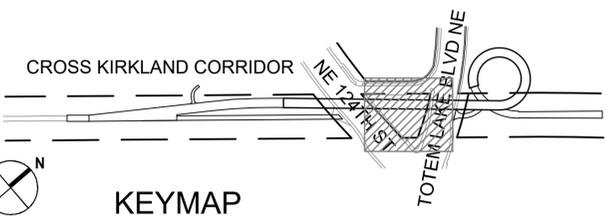
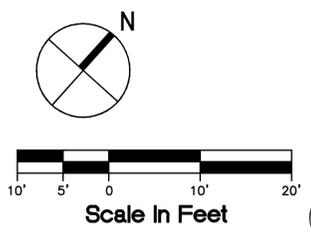
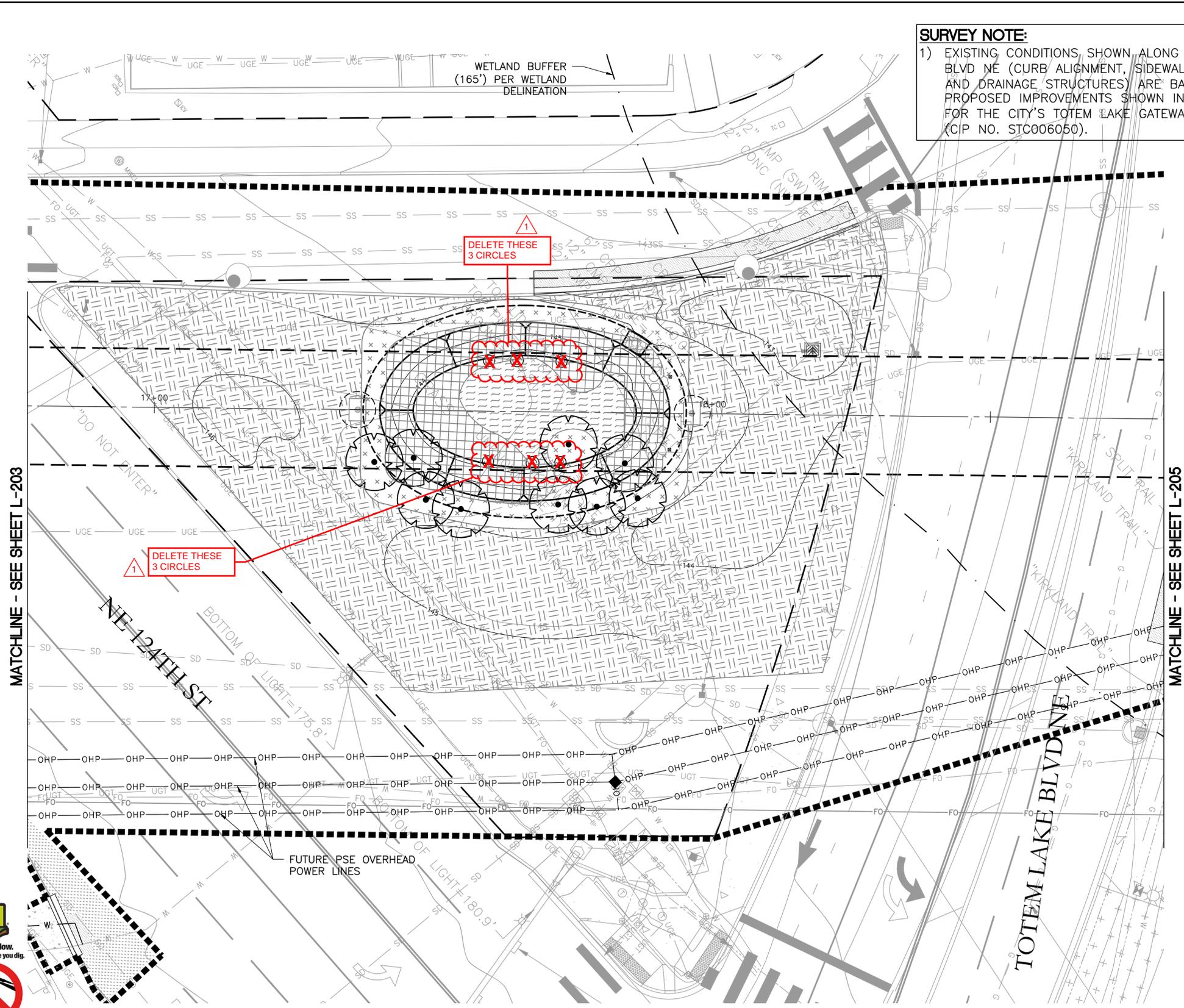
LEGEND

	PROPERTY LINE
	PROJECT LIMITS
	BRIDGE AND RAILING OVERHEAD, TYP
	RESTORED/ REPLACED SNAG
	MSE WALL, SEE SHEET L-208 FOR MSE WALL PLANTING LAYOUT
	ARBORIST WOOD CHIP MULCH
	ROCK FOR EROSION & SCOUR PROTECTION
	GRAVEL SHOULDER (2 C-221)

- NOTES**
- INVASIVE PLANTS TO BE REMOVED TWICE FROM THE ENTIRE PROJECT SITE THROUGHOUT THE COURSE OF THE PROJECT:
 REMOVAL #1 SHALL OCCUR AT ONSET OF CONSTRUCTION, AND REMOVAL #2 PRIOR TO INSTALLING NEW PROJECT PLANTING.
 - DISPERSE SALVAGED LARGE WOODY DEBRIS AND INSTALL SALVAGED SNAGS WITHIN THE WETLAND AND WETLAND BUFFER PRIOR TO PLANT INSTALLATION. COORDINATE LOCATIONS WITH THE ENGINEER.
 - CONTRACTOR SHALL DESIGN AND PROVIDE IRRIGATION TO THESE AREAS. SEE SPECS. AND SHEETS L-210A AND L-210B FOR DESIGN BUILD IRRIGATION NOTES.
 - CONTRACTOR SHALL PROTECT POROUS ASPHALT PAVEMENT FROM DEBRIS AND SEDIMENT. SEE SPECIFICATIONS.

CORRIDOR UNDERSTORY PLANT SCHEDULE
 SEE SHEET L-200 FOR THE PLANTING LEGEND

		WETLAND RESTORATION/ENHANCEMENT SHRUB MIX
		WETLAND RESTORATION GROUND COVER MIX
		BUFFER RESTORATION/ENHANCEMENT SHRUB MIX (SEE NOTE 3)
		BUFFER RESTORATION GROUND COVER MIX (SEE NOTE 3)
		DRAINAGE DITCH SEEDING MIX (SEE NOTE 3)
		INFILTRATION POND AND DRAINAGE DITCH MIX ZONE 1 (SEE NOTE 3)
		INFILTRATION POND MIX ZONE 2 (SEE NOTE 3)
		INFILTRATION MIX ZONE 3 (SEE NOTE 3)
		HYDROSEED LAWN (SEE NOTE 3)
		SOD LAWN (SEE NOTE 3)
		TRAIL EDGE SEDUM MIX (SEE NOTE 3)



File: G:\15c\15094c_TLPB_Current\TLPB_200_LANDSCAPE.dwg Save Date: Dec 06, 2019 8:55 AM Saved By: JENNIFERA



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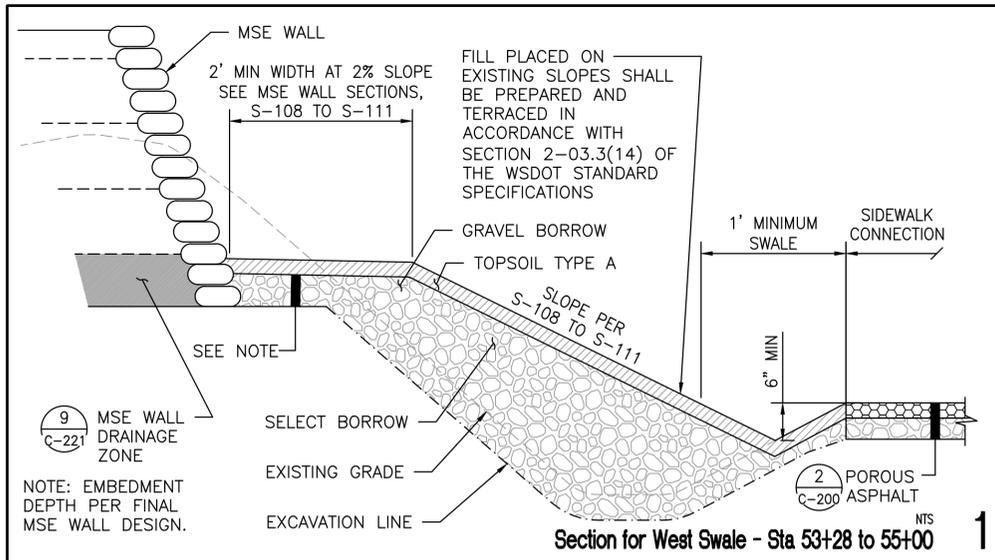
NO.	DATE	BY	APPR.	REVISION
1	2020/03/09	DD	BM	ADDENDUM 3
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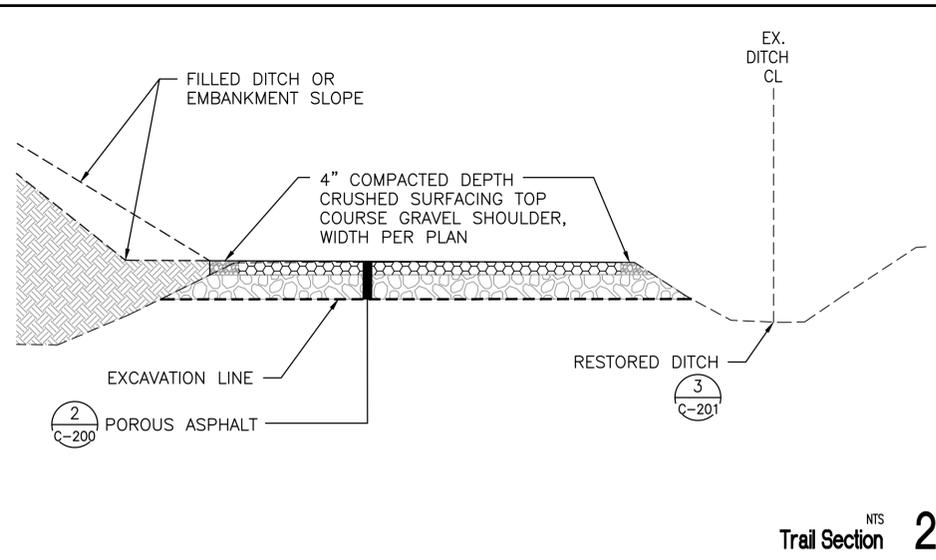
BM DESIGNED BY:	2019/12/06	DATE
DD DRAWN BY:	2019/12/06	DATE
MRS CHECKED BY:	2019/12/06	DATE

CITY OF KIRKLAND
 TOTEM LAKE PEDESTRIAN BRIDGE
 CORRIDOR RESTORATION 4

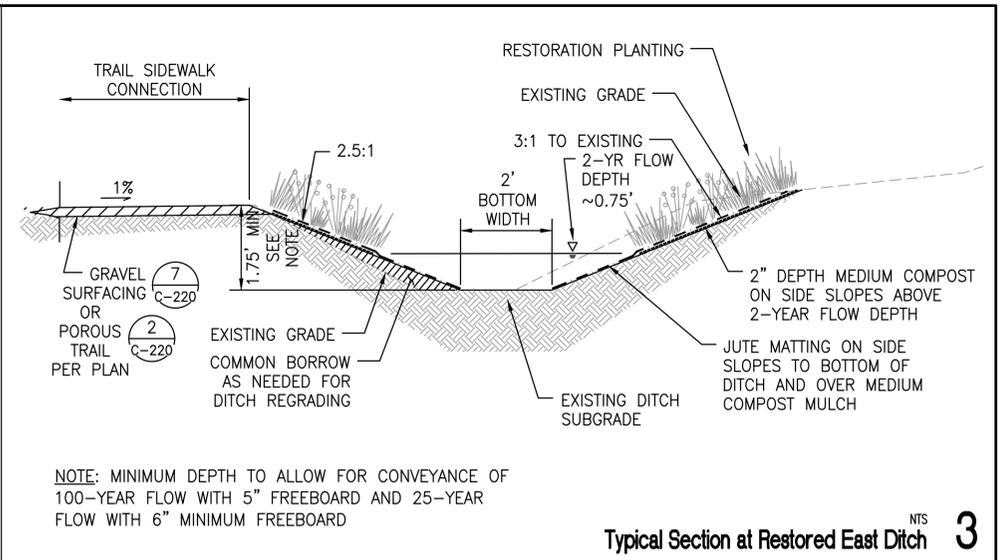
SHEET: **TLC - L - 204**
 SCALE: **AS SHOWN**
 FILENAME: TLPB_200_LANDSCAPE.dwg



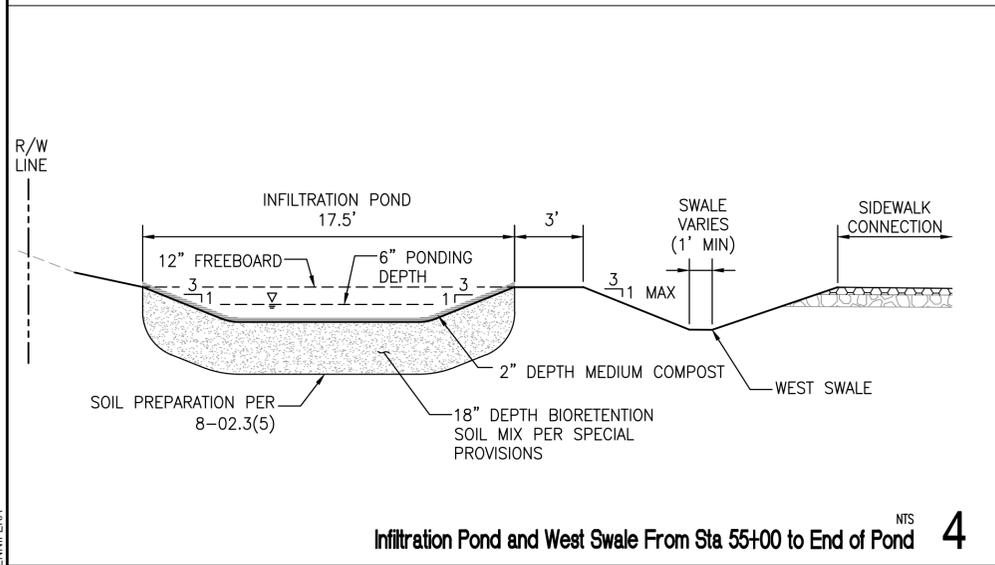
Section for West Swale - Sta 53+28 to 55+00 **1**



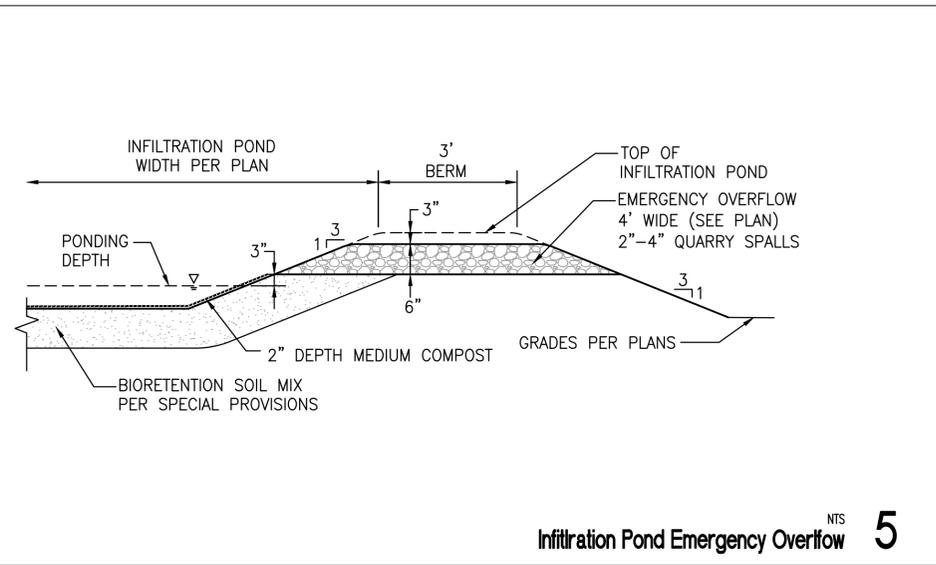
Trail Section **2**



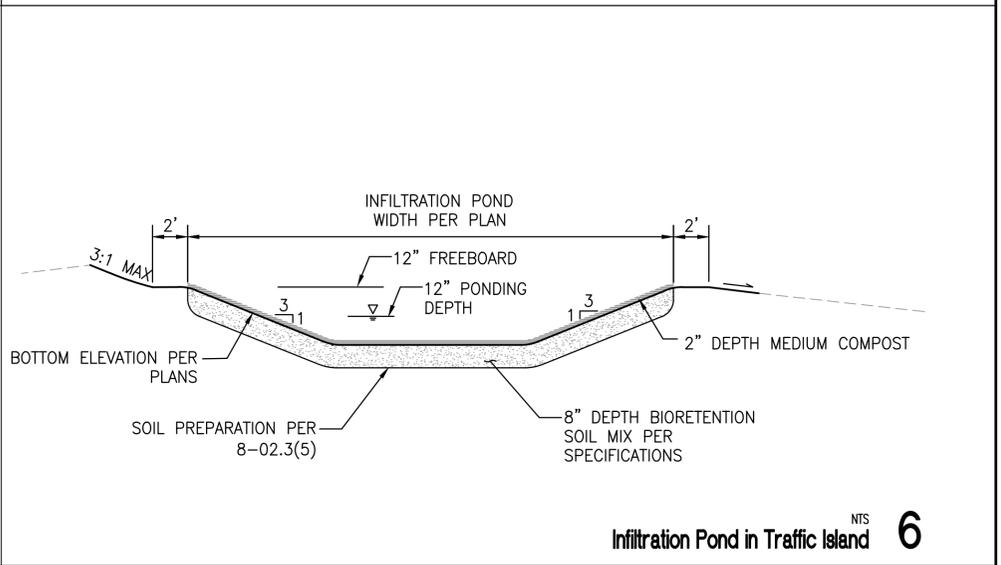
Typical Section at Restored East Ditch **3**



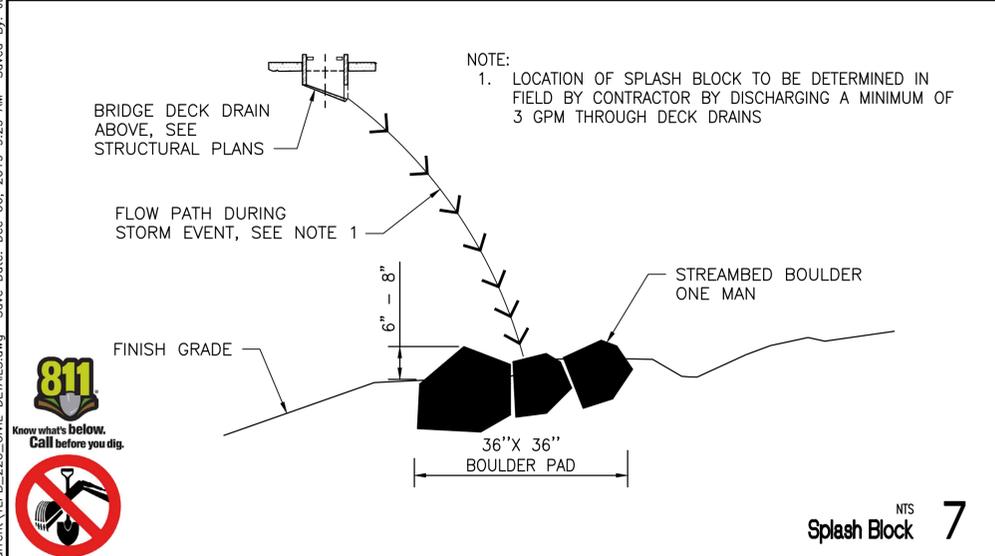
Infiltration Pond and West Swale From Sta 55+00 to End of Pond **4**



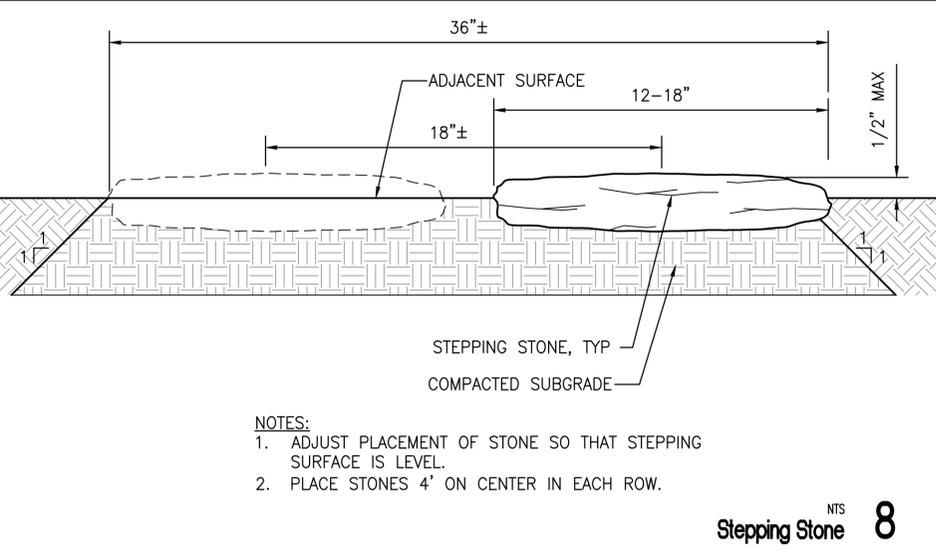
Infiltration Pond Emergency Overflow **5**



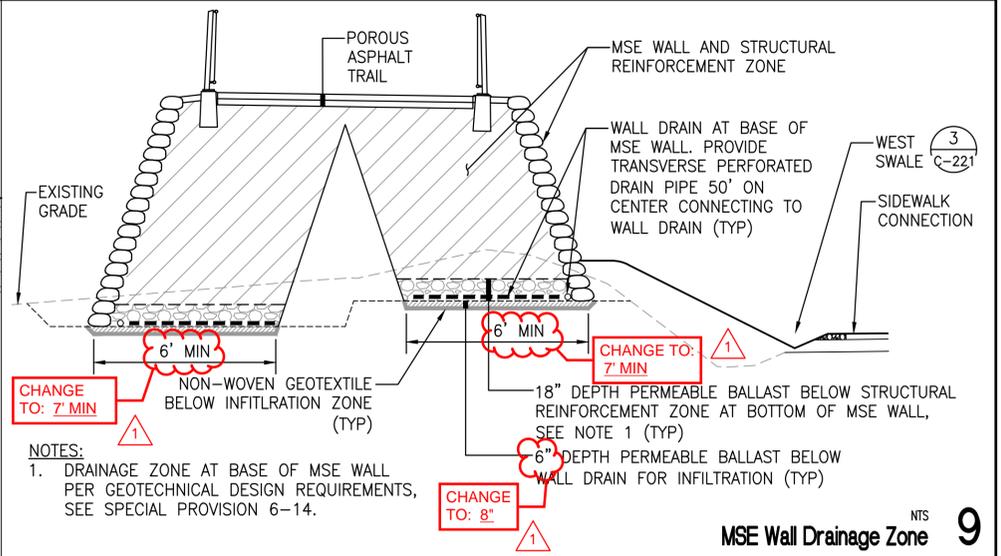
Infiltration Pond in Traffic Island **6**



Splash Block **7**



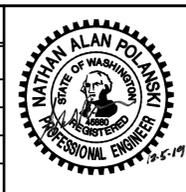
Stepping Stone **8**



MSE Wall Drainage Zone **9**

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CITY OF KIRKLAND
TOTEM LAKE PEDESTRIAN BRIDGE
CIVIL DETAILS 2

SHEET:	TLC - C-221
SCALE:	AS SHOWN
FILENAME:	TLPB_220_CIVIL_DETAILS.dwg

File: G:\15c\15094c_TLPB\CURRENT\TLPB_220_CIVIL_DETAILS.dwg Save Date: Dec 06, 2019 9:29 AM Saved By: JENNIFERA