

# PORT TOWNSEND REGIONAL STORMWATER FACILITY

## SECTIONS 9 & 16, TOWNSHIP 30N, RANGE 1W, W.M., JEFFERSON COUNTY, WA

CERB CONTRACT NO. 515-790AO-065

04/21/2021 REVISION  
INCORPORATING  
CO 01, CO 02, & CO 04



TACOMA · SEATTLE · SPOKANE · TRI-CITIES  
2215 North 30th Street, Suite 300 Tacoma, WA 98403  
253.383.2422 TEL 253.383.2572 FAX www.ahbl.com WEB

### OWNER/APPLICANT

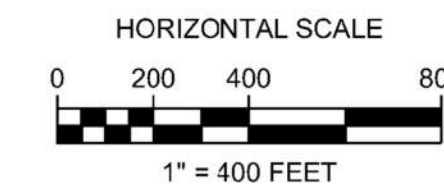
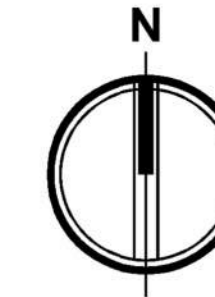
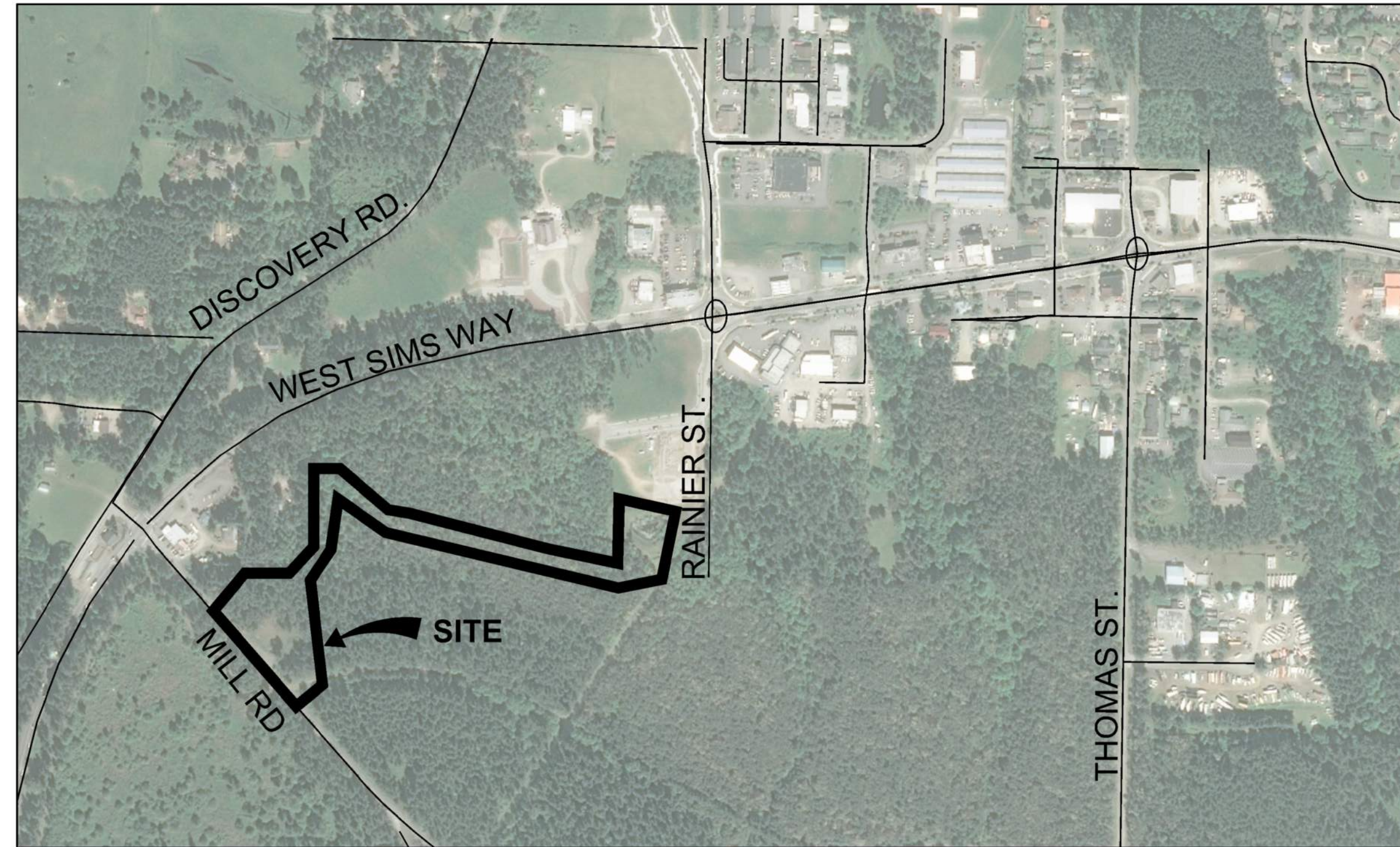
CITY OF PORT TOWNSEND  
250 MADISON STREET  
PORT TOWNSEND, WA 98368  
PHONE: 360-379-5096  
CONTACT: DAVID PETERSON, PE  
EMAIL: DPETERSON@CITYOFPT.US

### CIVIL ENGINEER

AHBL INC.  
2215 NORTH 30TH STREET, SUITE 300  
TACOMA, WA 98403  
PHONE: (253) 383-2422  
CONTACT: DAN OSIER, PE  
EMAIL: DOSIER@AHBL.COM

### SURVEYOR

VAN ALLER SURVEYING  
PHONE: 360-683-3438  
CONTACT: BRIAN VAN ALLER, PLS  
EMAIL: VANSURV@OLYPEN.COM



### VERTICAL DATUM

NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988

### BASIS OF BEARING

WASHINGTON COORDINATE SYSTEM OF 1983,  
ADJUSTMENT 1991, NORTH ZONE, NORTH  
AMERICAN DATUM (NAD 83/91)



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**Client:**  
**CITY OF PORT TOWNSEND**

250 MADISON STREET  
PORT TOWNSEND, WA 98368

WORK ORDER # 8028

**Project No.**  
2160137

**Issue Set & Date:**

### BID SET

03/19/2020



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- A
  - CHANGE ORDER 04  
04/21/2021
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03/19/2021
  - CHANGE ORDER 01  
12/17/2020
- Revisions:

**Sheet Title:**  
**COVER SHEET**

Designed by: DO      Drawn by: SK      Checked by: DG

**Sheet No.**  
**C0.00**  
1 of 17 Sheets



Know what's below.  
Call before you dig.



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CERB CONTRACT NO. 515-790AO-065



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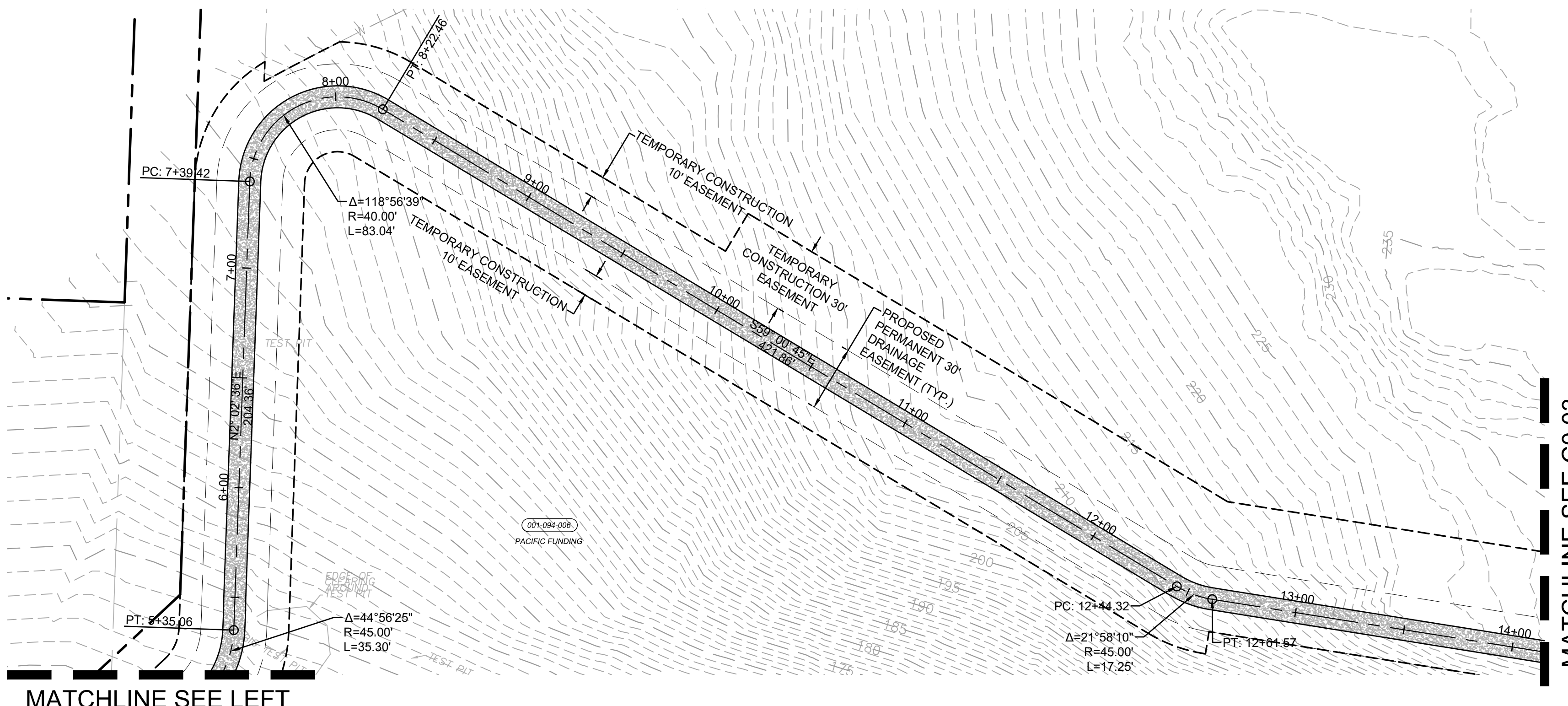
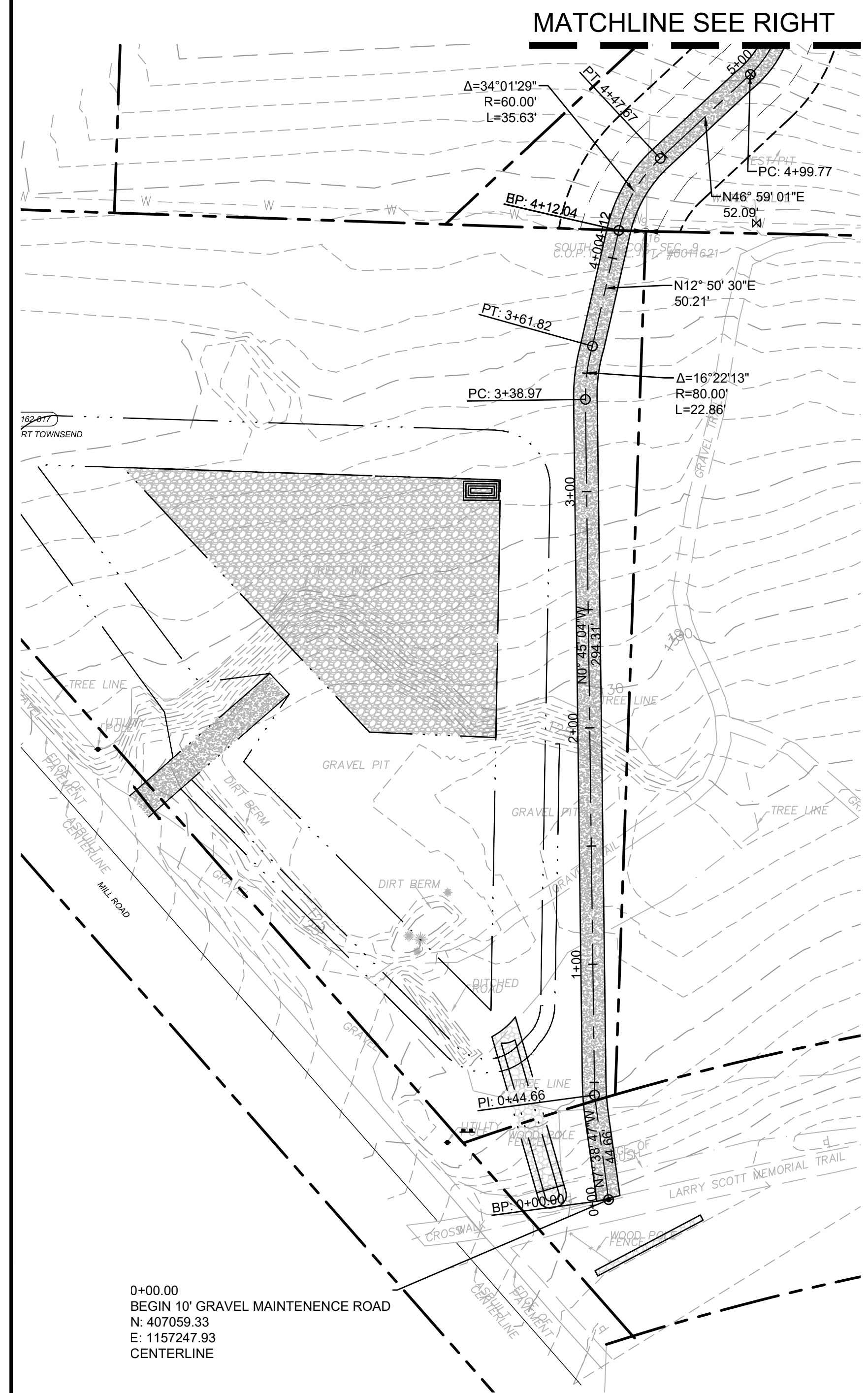
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**HORIZONTAL CONTROL AND ACCESS PLAN**

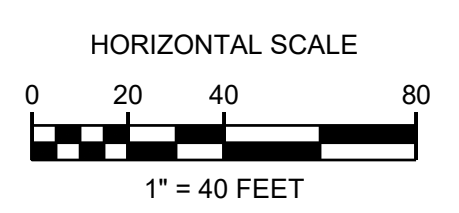
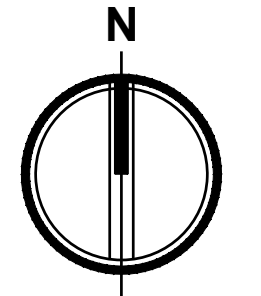
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**Sheet No.:**  
**C0.02**  
 2 of 17 Sheets



**LEGEND**

—————	RIGHT-OF-WAY / PROPERTY LINE
- - - - -	TEMPORARY EASEMENT
—————	PERMANENT EASEMENT
-XXX-	EXISTING MINOR CONTOUR
-XXX-	EXISTING MAJOR CONTOUR



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**HORIZONTAL CONTROL AND ACCESS PLAN**

**Designed by:** DO    **Drawn by:** SK    **Checked by:** DG

**Sheet No.:**  
**C0.03**  
 3 of 17 Sheets

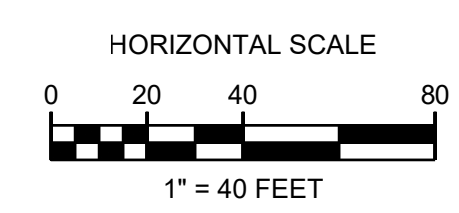
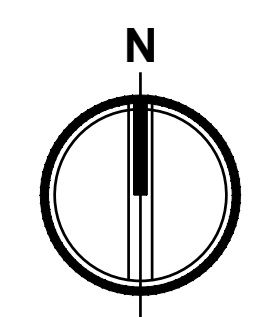


MATCHLINE SEE C0.02

BENCHMARK  
 1/2" DIAM. REBAR WITH  
 "FISHER" CAP  
 ELEV.=207.90



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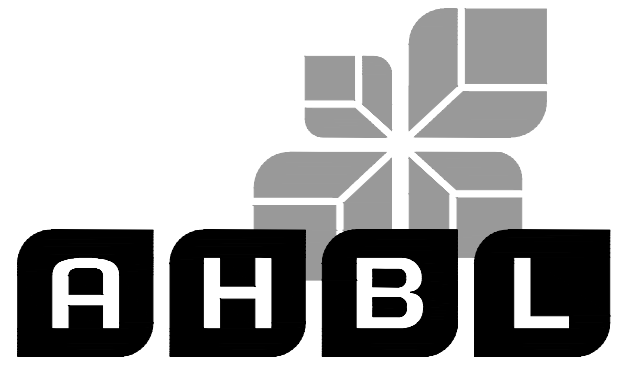




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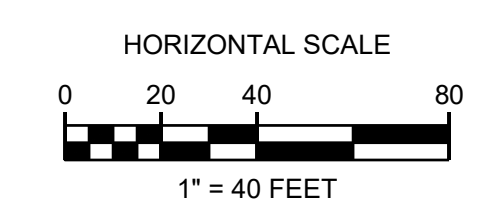
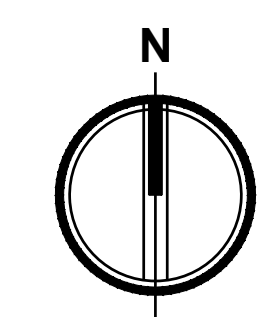
MATCHLINE SEE LEFT

### LEGEND

- RIGHT-OF-WAY / PROPERTY LINE
- - - - - TEMPORARY EASEMENT
- - - - - PERMANENT EASEMENT
- CL ——— CLEARING / PROJECT LIMITS
- SF ——— SILT FENCE
- - - - - XXX EXISTING MINOR CONTOUR
- - - - - XXX EXISTING MAJOR CONTOUR
- CE [Symbol] CONSTRUCTION ENTRANCE

### CLEARING NOTE

CLEARING/PROJECT LIMITS AND LOCATION OF SILT FENCE SHOWN IS APPROXIMATE. EXTENT OF CLEARING /PROJECT LIMITS AND EXACT LOCATION OF SILT FENCE TO BE DETERMINED BY CONTRACTOR BASED ON PROPOSED CONSTRUCTION METHODS, BUT SHALL NOT CROSS THE TEMPORARY EASEMENTS DEPICTED HEREON WITHOUT WRITTEN APPROVAL FROM THE ENGINEER. PAYMENT FOR CLEARING AND GRUBBING SHALL NOT EXCEED BID QUANTITY.



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- △ CHANGE ORDER 04  
04/21/2021
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- △ CHANGE ORDER 01  
12/17/2020

**Sheet Title:**  
**TESS AND DEMOLITION PLAN**

**Designed by:** DO    **Drawn by:** SK    **Checked by:** DG

**Sheet No.:**

**C1.00**

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MATCHLINE SEE C1.00

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- TEMPORARY EASEMENT
- PERMANENT EASEMENT
- CLEARING / PROJECT LIMITS
- SILT FENCE
- EXISTING MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- CONSTRUCTION ENTRANCE

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**TESC AND DEMOLITION PLAN**

**Designed by:** DO    **Drawn by:** SK    **Checked by:** DG

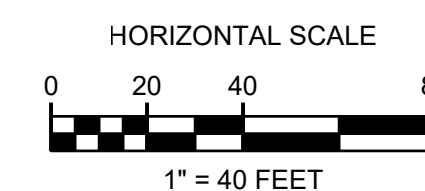
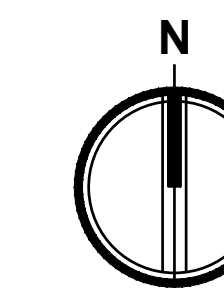
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**C1.01**

5 of 17 Sheets

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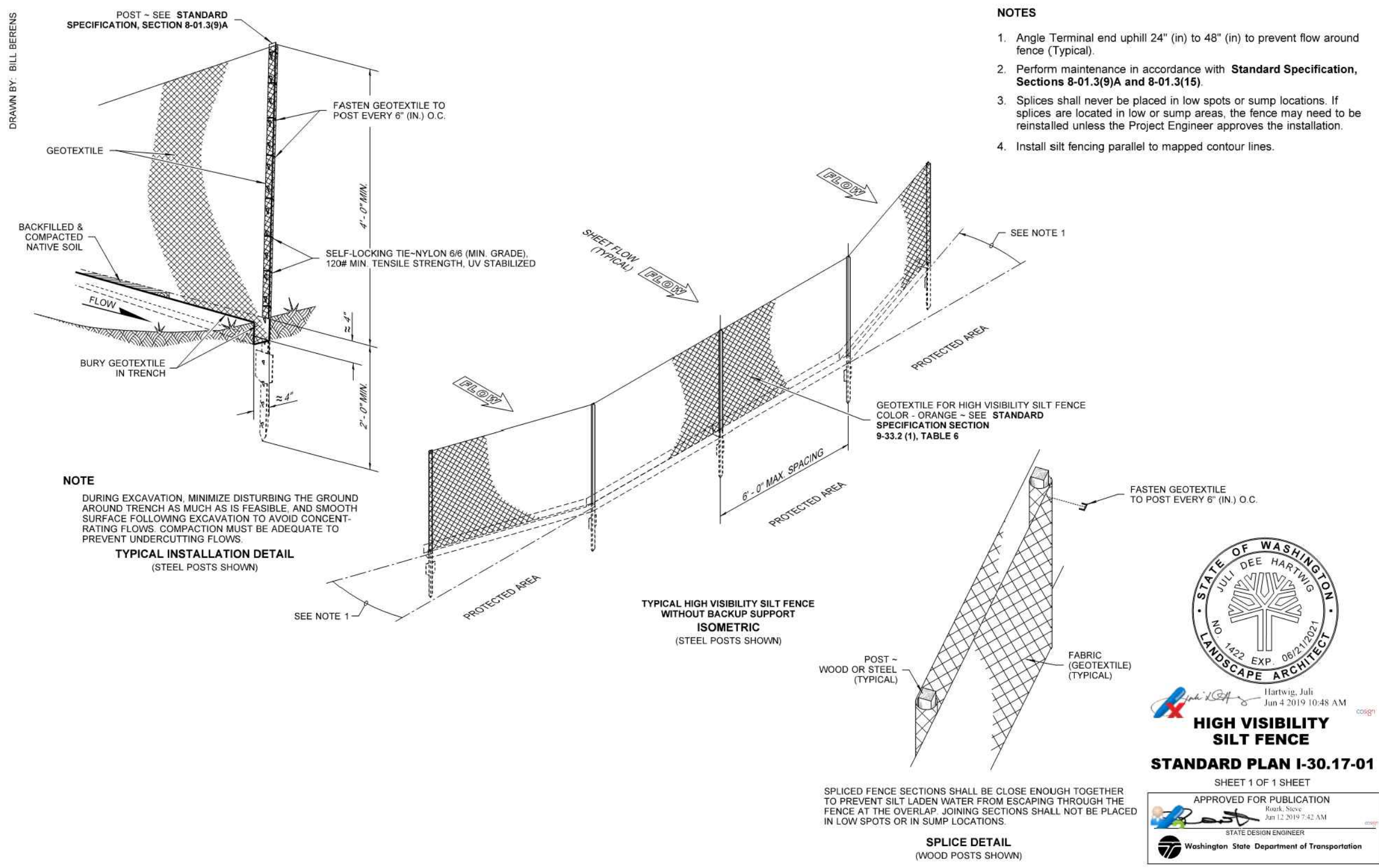
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**TESC AND DEMOLITION DETAILS AND NOTES**

**Designed by:** DO    **Drawn by:** SK    **Checked by:** DG

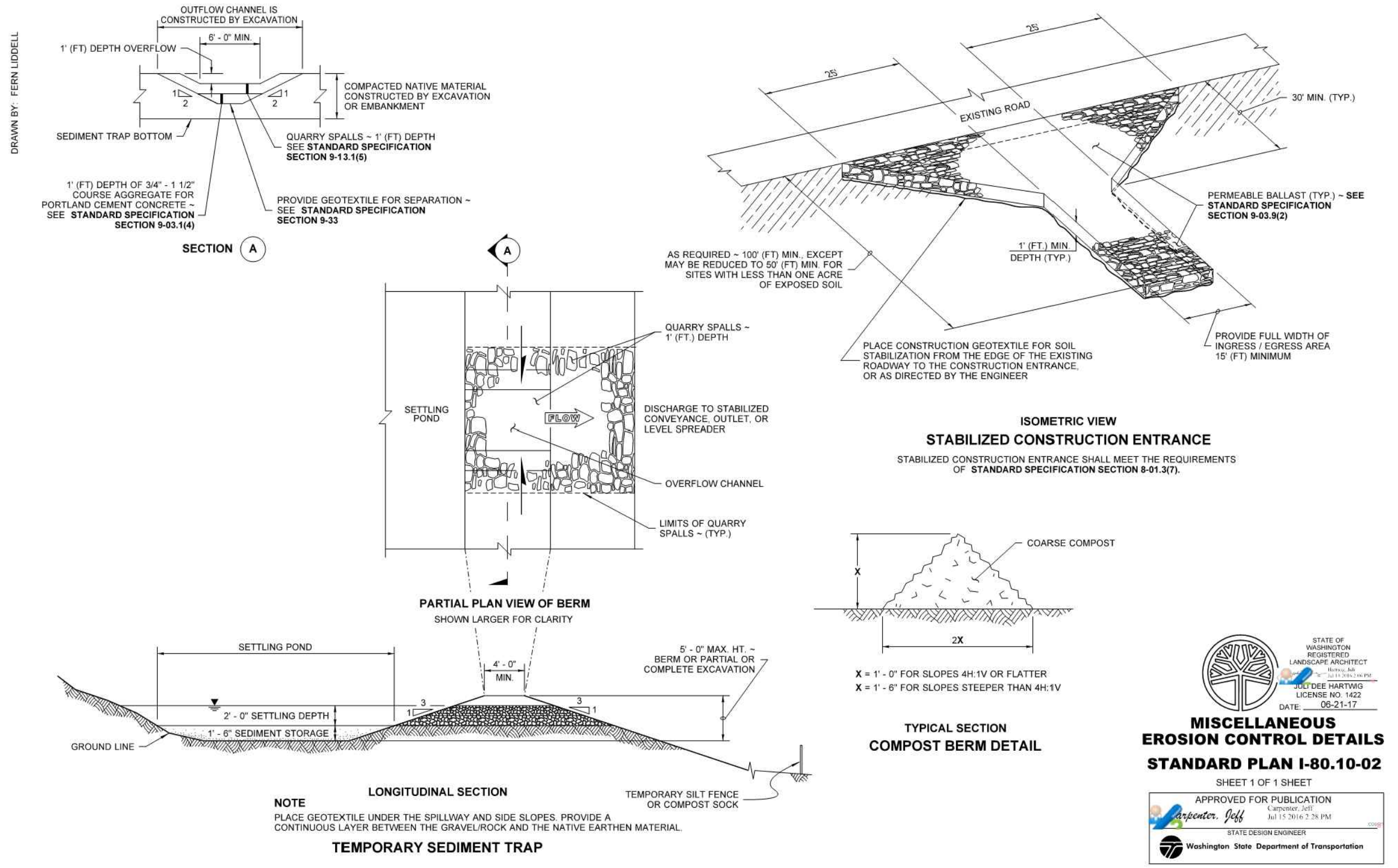
**Sheet No.**

**C1.10**

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**1 SILT FENCE**  
 NOT TO SCALE



**2 CONSTRUCTION ENTRANCE**  
 NOT TO SCALE

**TESC & DEMOLITION NOTES**

1. CONTRACTOR TO PRESERVE AND PROTECT ALL EXISTING UTILITIES ON PRIVATE PROPERTY AND IN PUBLIC RIGHTS-OF-WAY.
2. WHERE POSSIBLE NATURAL VEGETATION WILL BE MAINTAINED FOR SILT CONTROL.
3. AS CONSTRUCTION PROGRESSES AND SEASONAL CONDITIONS DICTATE, THE EROSION CONTROL FACILITIES SHALL BE MAINTAINED AND/OR ALTERED AS REQUIRED BY THE CESCL TO ENSURE CONTINUING EROSION/SEDIMENTATION CONTROL.
4. TEMPORARY SILTATION PONDS AND ALL TEMPORARY SILTATION CONTROLS SHALL BE MAINTAINED IN A SATISFACTORY CONDITION UNTIL SUCH TIME THAT CLEARING AND/OR CONSTRUCTION IS COMPLETED, PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL, AND THE POTENTIAL FOR EROSION HAS PASSED.
5. PUBLIC RIGHTS-OF-WAY SHALL BE KEPT CLEAN. TRACKING OF MUD AND DEBRIS FROM THE SITE WILL NOT BE ALLOWED. FAILURE TO COMPLY WITH THIS CONDITION WILL RESULT IN ALL WORK ON THE SITE BEING STOPPED.

**CONSTRUCTION SEQUENCE**

1. INSTALL TREE PROTECTION FENCING IN ACCORDANCE WITH APPROVED PLANS.
2. STAKE AND FLAG CLEARING AND CONSTRUCTION LIMITS. BY CITY SURVEYOR.
3. CONSTRUCT CONSTRUCTION ENTRANCE.
4. CONSTRUCT ALL TEMPORARY EROSION CONTROL BMP'S ACCORDING TO THE PLAN.
5. INSPECTION NUMBER 1: EROSION CONTROL, MLA 18-8056 INSPECTION.
6. DEMOLISH EXISTING SITE FEATURES INDICATED FOR REMOVAL.
7. ROUGH GRADE SITE. ALL GRADING SHALL BE DONE IN CONFORMANCE WITH THE PLAN AND THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.
8. APPLY EROSION CONTROL MULCH AND SEEDING, PLASTIC COVERING, OR EQUAL. ALL DISTURBED LAND AREAS THAT WILL BE LEFT FOR 30 DAYS OR MORE DURING THE PERIOD OF MAY 1 TO OCTOBER 1 SHALL BE IMMEDIATELY SEEDED. IN ADDITION TO SEEDING, SLOPES OF 15% OR GREATER WILL BE MULCHED WITH 2 TONS OF STRAW PER ACRE, OR WITH AN APPROVED EQUAL. DURING THE REST OF THE YEAR, TEMPORARY SOIL STABILIZATION MUST BE APPLIED IMMEDIATELY TO DISTURBED AREAS THAT WILL BE LEFT EXPOSED FOR 7 DAYS OR MORE, AND IMMEDIATELY TO SLOPES GREATER THAN 15% THAT WILL BE LEFT EXPOSED FOR 2 DAYS OR MORE.
9. CONSTRUCT UTILITIES AND STORM DRAINAGE FEATURES. INSTALL STORM DRAIN INLET PROTECTION FOR ALL CATCH BASINS W/GRATED LIDS SUBJECT TO ON-SITE AND OFF-SITE RUNOFF.
10. RELOCATE EROSION CONTROL MEASURES OR INSTALL NEW MEASURES SO THAT AS SITE CONDITIONS CHANGE, THE EROSION AND SEDIMENT CONTROL IS ALWAYS IN ACCORDANCE WITH COUNTY SWPPP MINIMUM REQUIREMENTS.
11. FINAL GRADE SITE. CONSTRUCT FINAL SURFACING TREATMENTS. ENSURE SURFACE WATER IS POSITIVELY DRAINED TOWARDS PROPOSED STORMWATER CONTROL FACILITIES.
12. INSPECTION NUMBER 2: COMPLETION OF EXCAVATION, FILL, AND EARTHWORK, MLA 18-8056 INSPECTION.
13. REMOVE THE REMAINING TEMPORARY EROSION CONTROL ITEMS ONCE SITE HAS BEEN STABILIZED AND UPON APPROVAL.
14. COMPLETE FINAL LANDSCAPING AS APPLICABLE.



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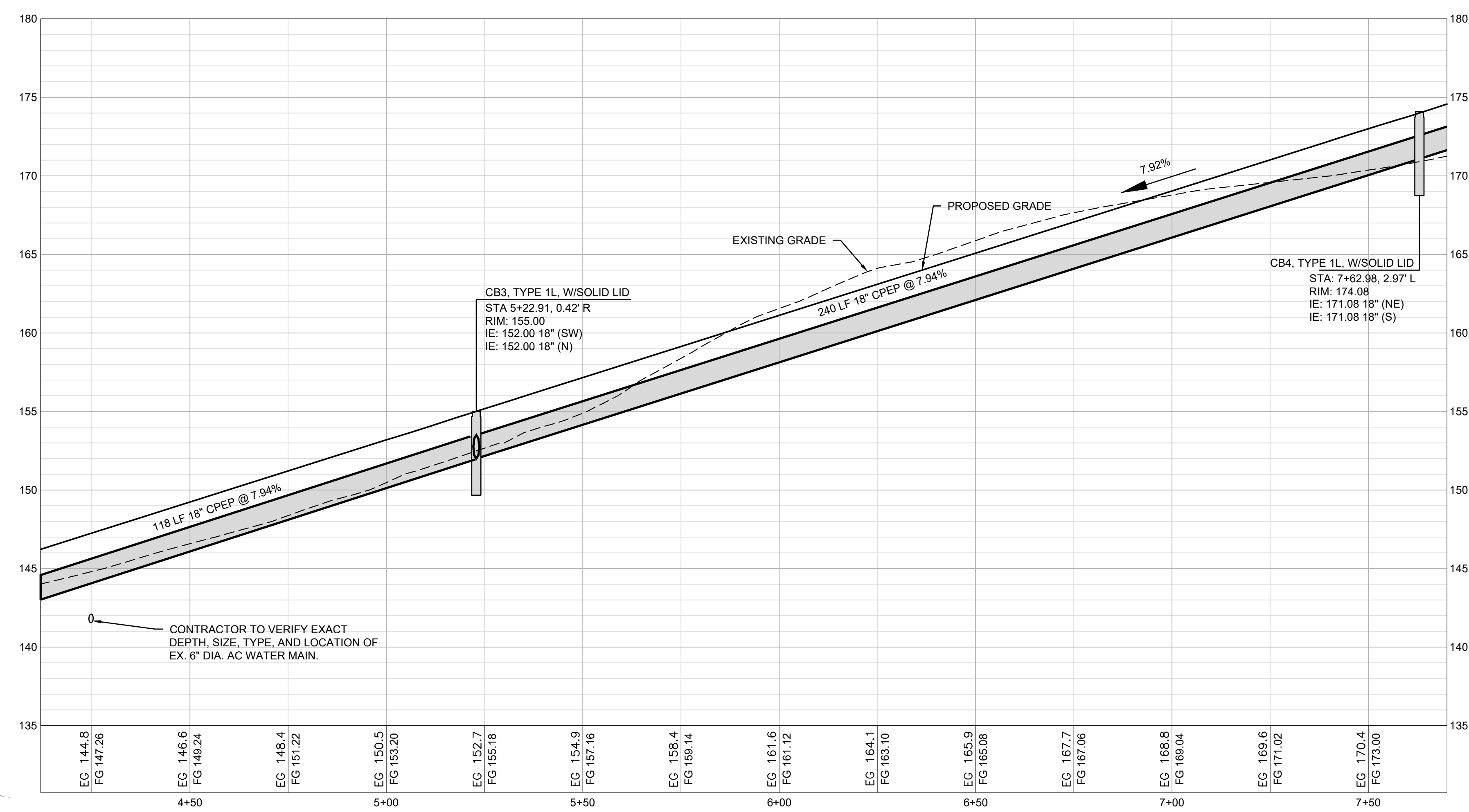
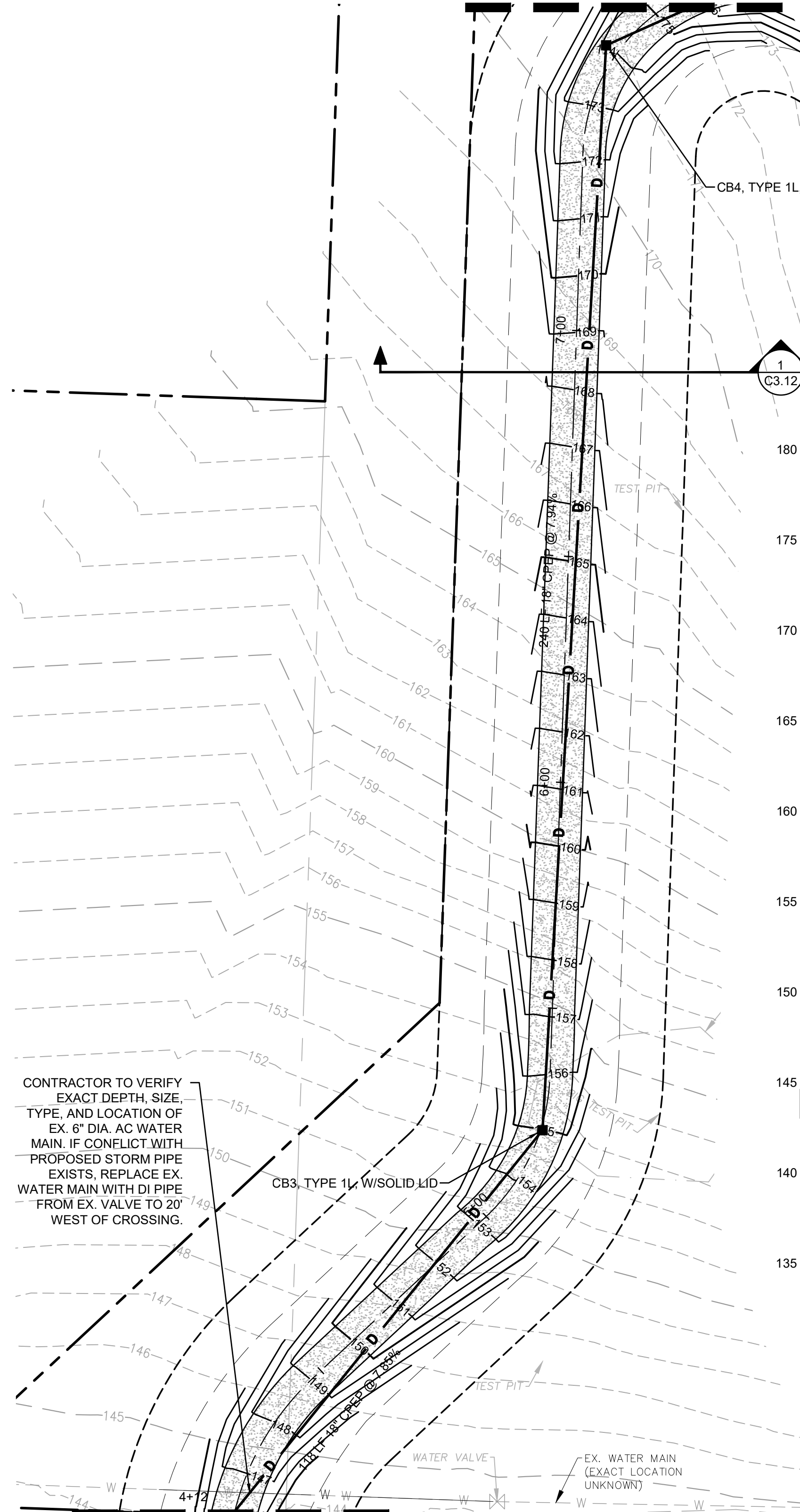
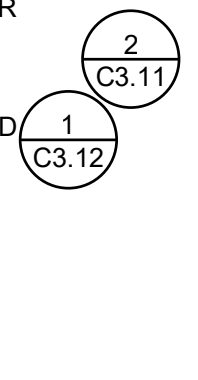
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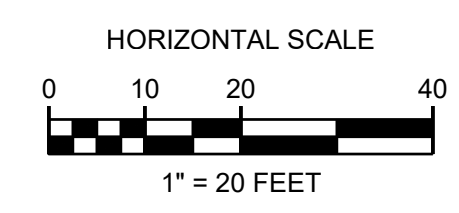
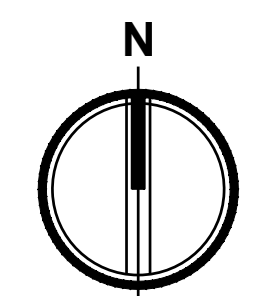
MATCHLINE SEE C2.02

### LEGEND

- RIGHT-OF-WAY / PROPERTY LINE
- CENTERLINE
- TEMPORARY EASEMENT
- PERMANENT EASEMENT
- 123 PROPOSED MINOR CONTOUR
- 123 PROPOSED MAJOR CONTOUR
- CHAINLINK FENCE
- GRAVEL MAINTENANCE ROAD
- SPILLWAY RIPRAP
- CB TYPE 1L
- CB TYPE 2
- STORM PIPE



**PATH STA:4+12- 7+70**  
HORIZONTAL 1" = 20' VERTICAL 1" = 5'



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**Sheet Title:**  
**GRADING, STORM, AND SURFACING PLAN**

**Designed by:** DO **Drawn by:** SK **Checked by:** DG

**Sheet No.**  
**C2.01**  
8 of 17 Sheets

MATCHLINE SEE C2.00-  
C4.00





# PORT TOWNSEND REGIONAL STORMWATER FACILITY

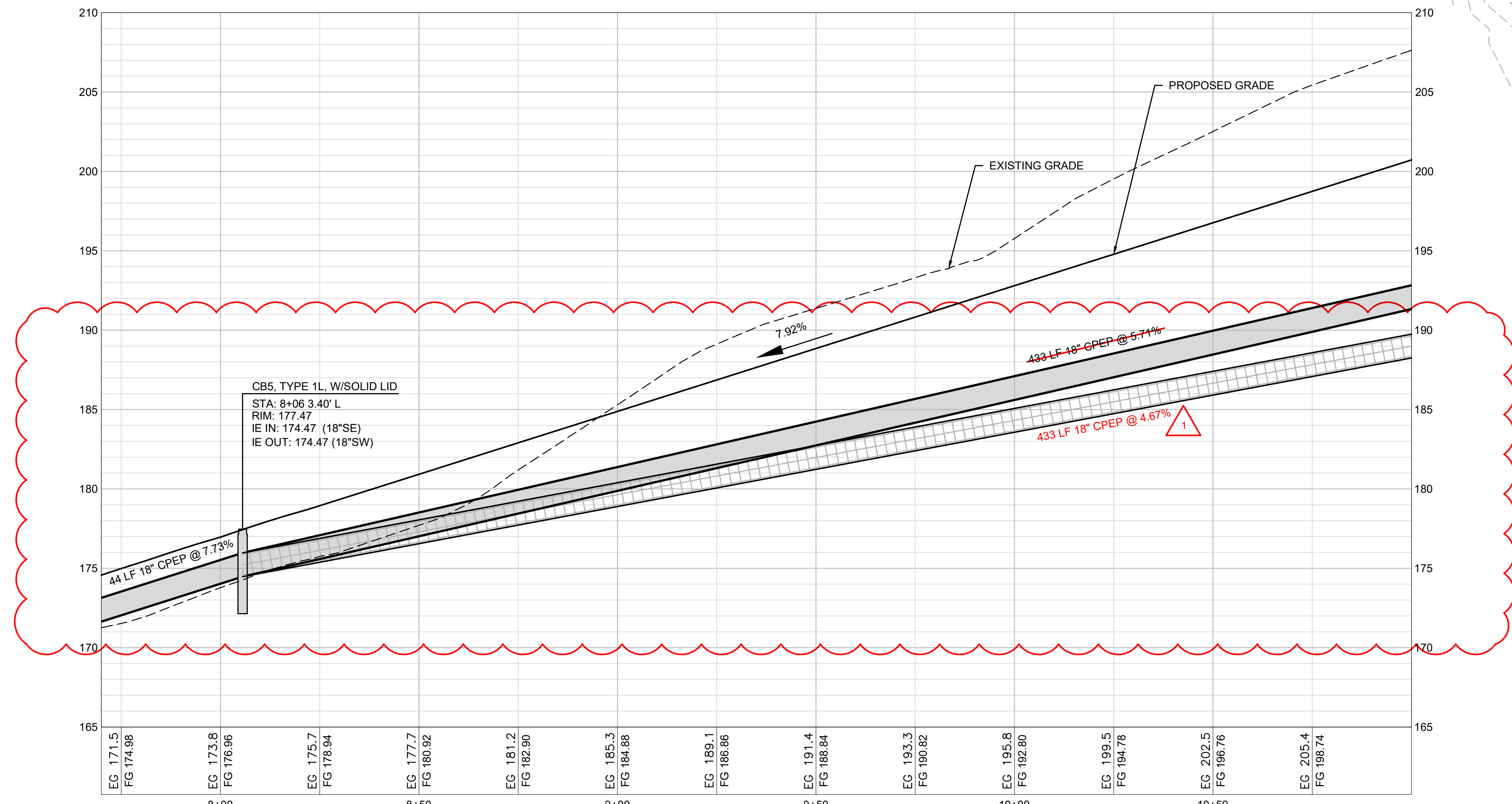
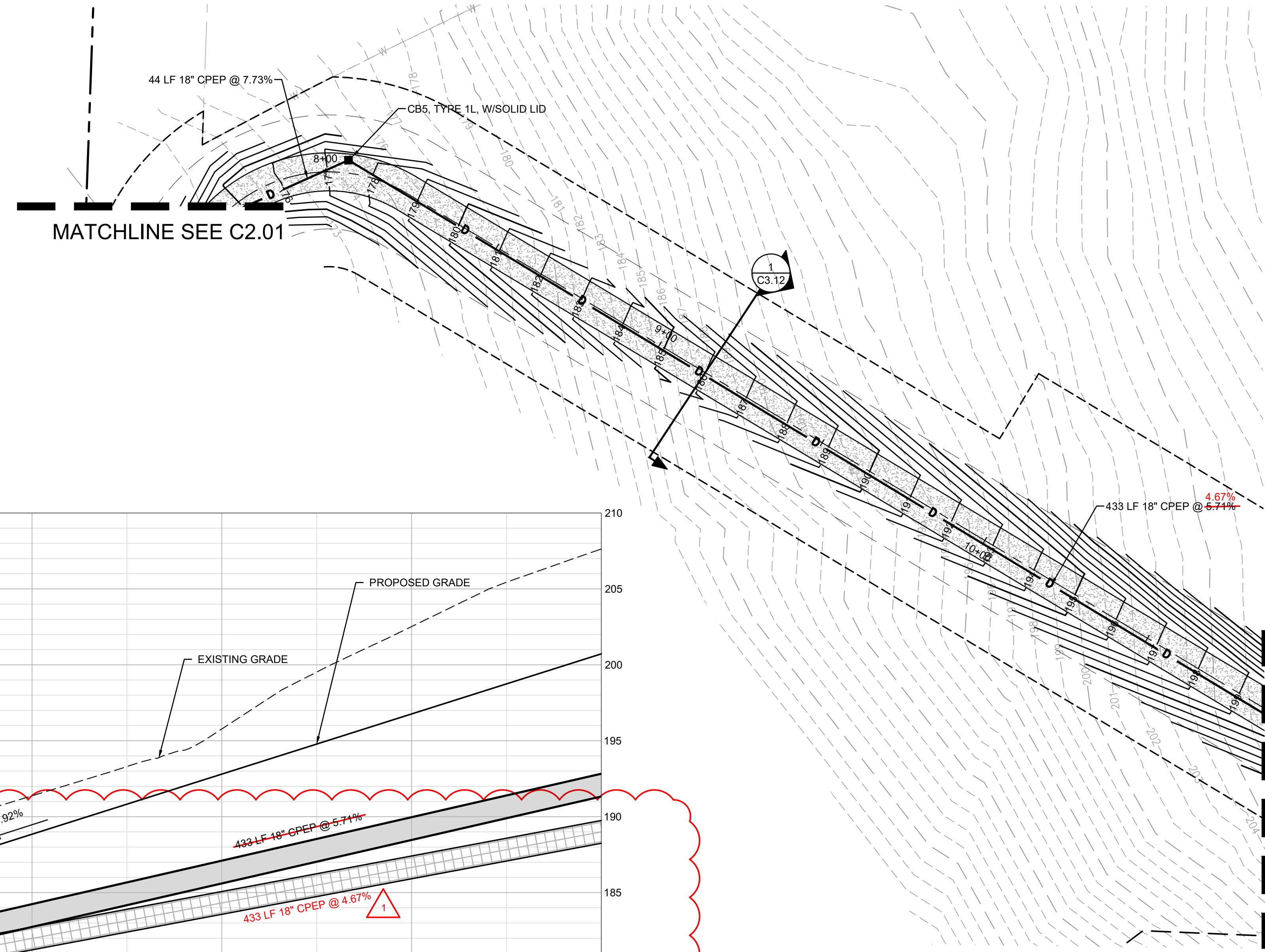
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- 123 PROPOSED MAJOR CONTOUR
- CHAINLINK FENCE
- GRAVEL MAINTENANCE ROAD
- SPILLWAY RIPRAP
- CB TYPE 1L (C3.10)
- CB TYPE 2 (C3.10)
- STORM PIPE



MATCHLINE SEE SHEET C2.03



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**BID SET**

03/19/2020



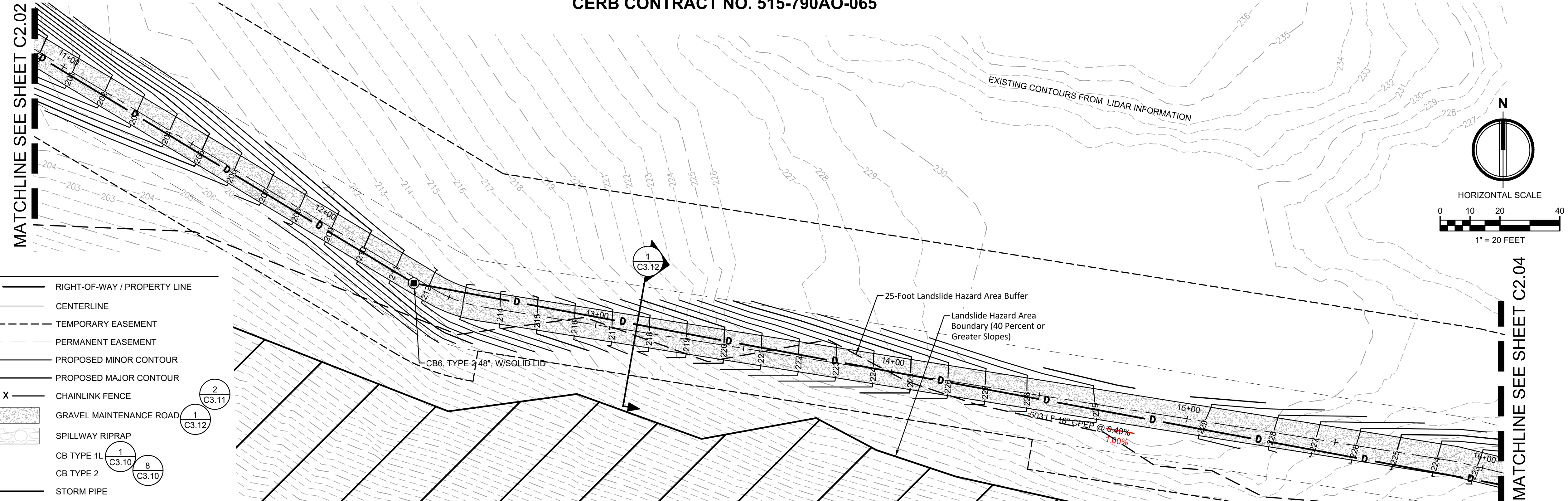
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- △ CHANGE ORDER 04  
04/21/2021
  - △ CHANGE ORDER 02  
03/19/2021
  - △ CHANGE ORDER 01  
12/17/2020
- Revisions:

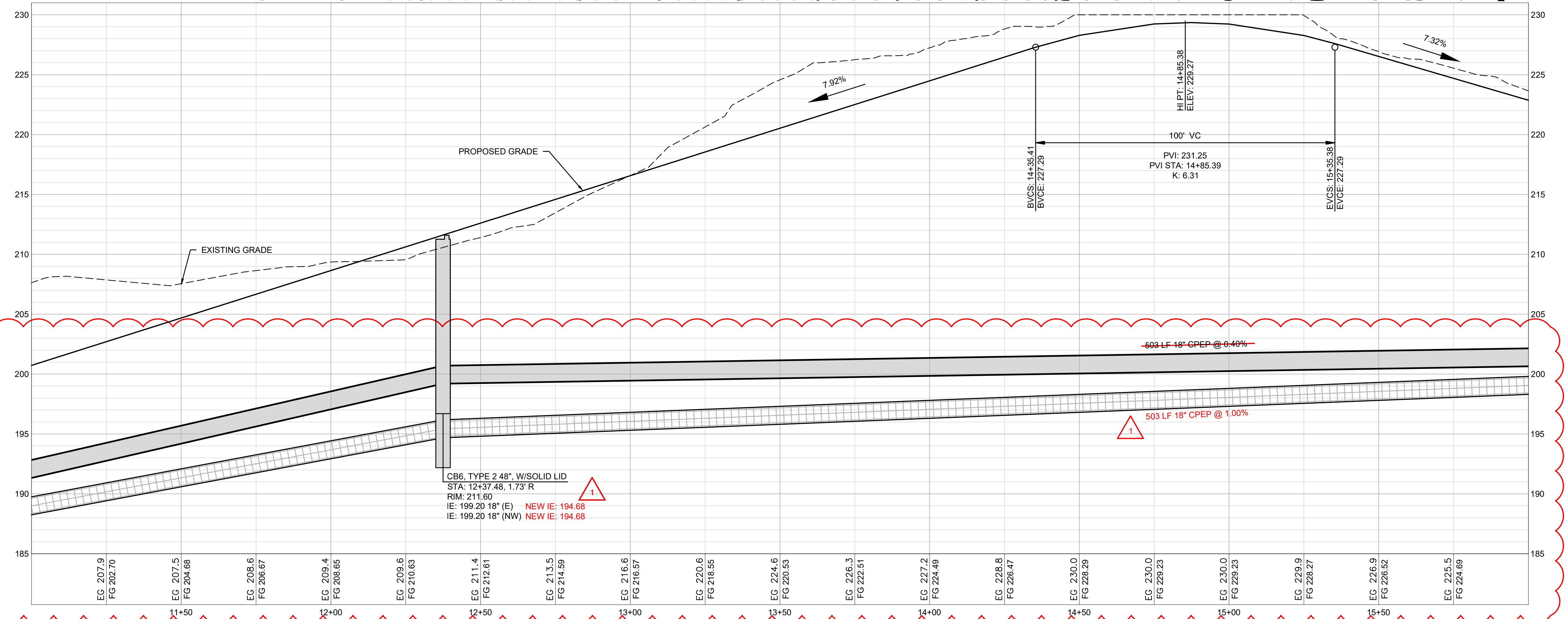
Sheet Title:  
**GRADING, STORM, AND SURFACING PLAN**

Designed by: DO    Drawn by: SK    Checked by: DG

Sheet No.  
**C2.03**  
10 of 17 Sheets



- LEGEND**
- RIGHT-OF-WAY / PROPERTY LINE
  - CENTERLINE
  - - - - - TEMPORARY EASEMENT
  - - - - - PERMANENT EASEMENT
  - 123 --- PROPOSED MINOR CONTOUR
  - 123 --- PROPOSED MAJOR CONTOUR
  - X X CHAINLINK FENCE
  - Gravel Maintenance Road
  - Spillway Riprap
  - CB TYPE 1L (C3.10)
  - CB TYPE 2 (C3.10)
  - D STORM PIPE



**PATH STA: 11+00 - 16+00**  
HORIZONTAL 1" = 20' VERTICAL 1" = 5'



Know what's below.  
Call before you dig.



# PORT TOWNSEND REGIONAL STORMWATER FACILITY

## SECTIONS 9 & 16, TOWNSHIP 30N, RANGE 1W, W.M., JEFFERSON COUNTY, WA

CERB CONTRACT NO. 515-790AO-065



**Project Title:**  
PORT TOWNSEND REGIONAL STORMWATER FACILITY

**Client:**  
CITY OF PORT TOWNSEND

250 MADISON STREET  
PORT TOWNSEND, WA 98368

WORK ORDER # 8028

**Project No.:**  
2160137

**Issue Set & Date:**  
I.E.=202.18'

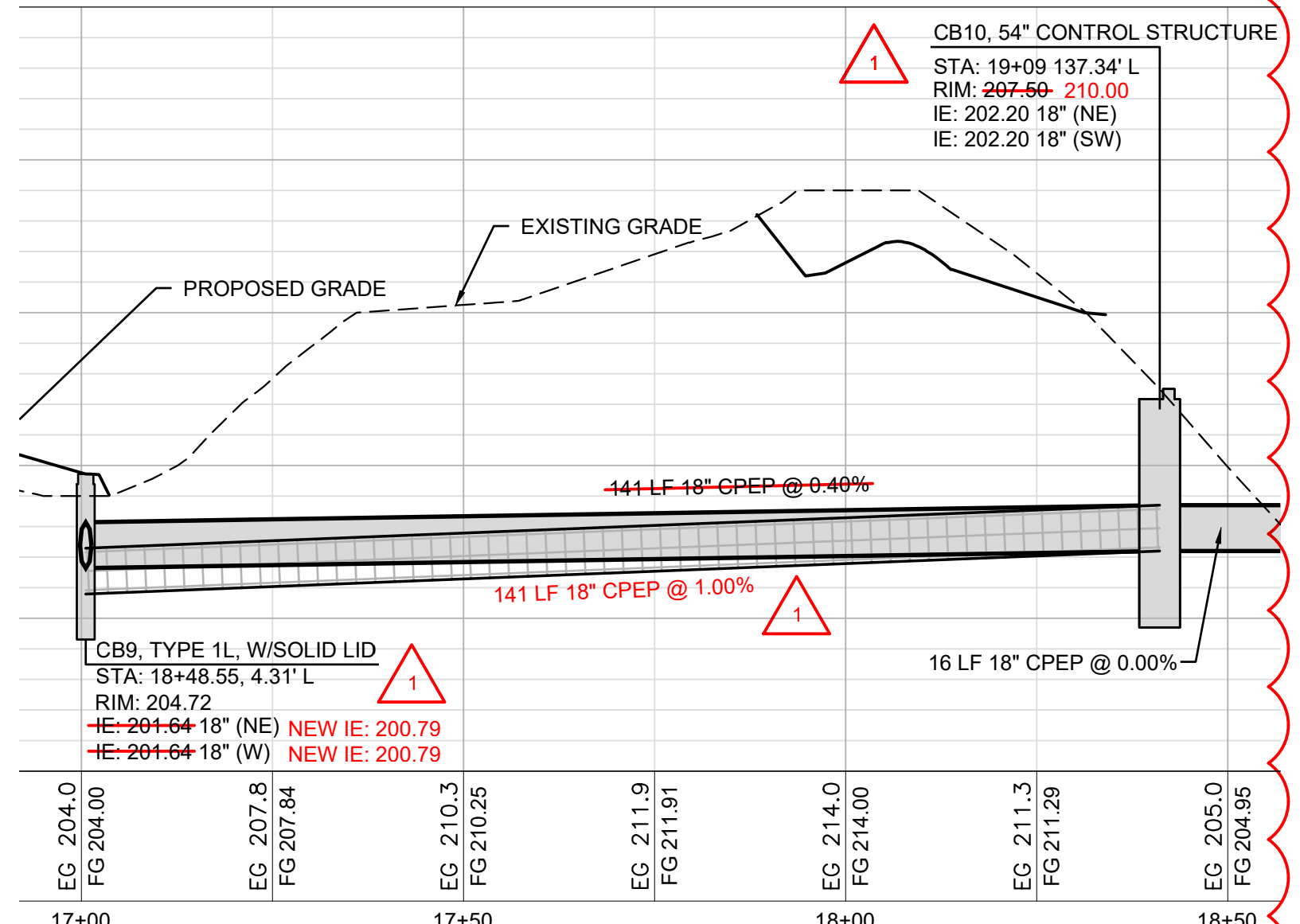
**BID SET**

03/19/2020

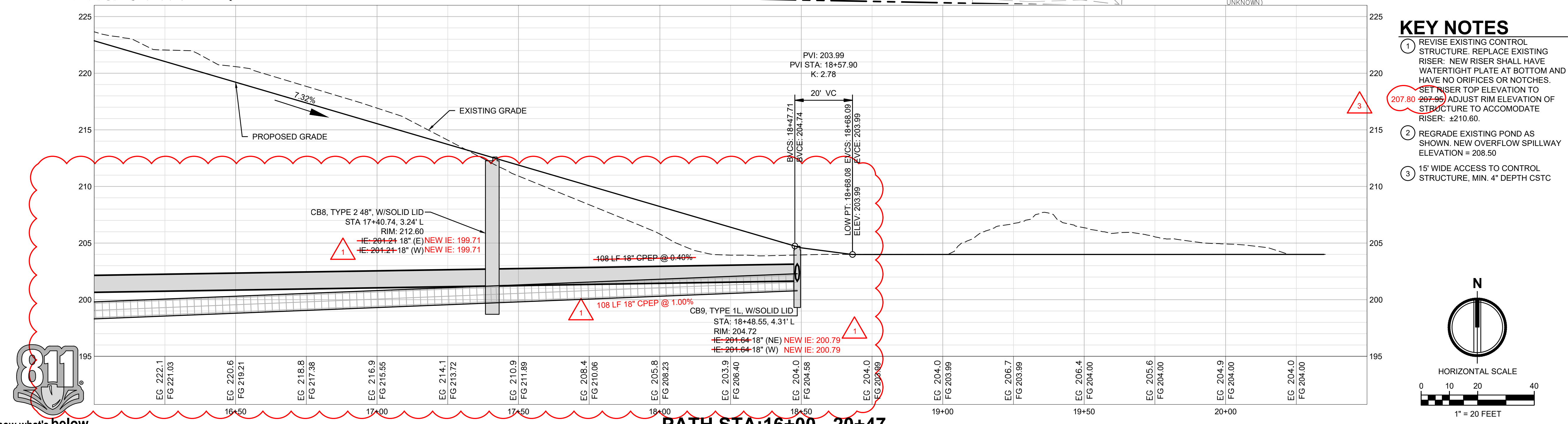
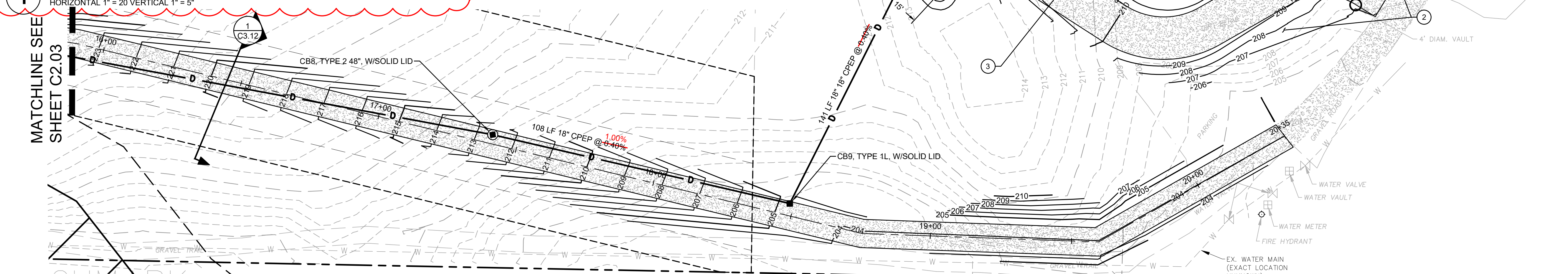


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- ### LEGEND
- RIGHT-OF-WAY / PROPERTY LINE
  - CENTERLINE
  - - - - - TEMPORARY EASEMENT
  - - - - - PERMANENT EASEMENT
  - 123 — PROPOSED MINOR CONTOUR
  - 123 — PROPOSED MAJOR CONTOUR
  - X X CHAINLINK FENCE
  - ▨ GRAVEL MAINTENANCE ROAD
  - ▨ SPILLWAY RIPRAP
  - CB TYPE 1L (C3.10)
  - CB TYPE 2 (C3.10)



**1 CB9 TO NEW CONTROL STRUCTURE IN EXISTING POND**  
HORIZONTAL 1" = 20' VERTICAL 1" = 5'



**811 Know what's below. Call before you dig.**  
PATH STA: 16+00 - 20+47  
HORIZONTAL 1" = 20' VERTICAL 1" = 5'

### KEY NOTES

- 1 REVISE EXISTING CONTROL STRUCTURE. REPLACE EXISTING RISER. NEW RISER SHALL HAVE WATERTIGHT PLATE AT BOTTOM AND HAVE NO ORIFICES OR NOTCHES. SET RISER TOP ELEVATION TO 207.80. ADJUST RIM ELEVATION OF STRUCTURE TO ACCOMMODATE RISER: ±210.60.
- 2 REGRADE EXISTING POND AS SHOWN. NEW OVERFLOW SPILLWAY ELEVATION = 208.50
- 3 15' WIDE ACCESS TO CONTROL STRUCTURE, MIN. 4" DEPTH CSTC

- △ CHANGE ORDER 04 04/21/2021
- △ CHANGE ORDER 02 03/19/2021
- △ CHANGE ORDER 01 12/17/2020

**Sheet Title:**  
GRADING, STORM, AND SURFACING PLAN

**Designed by:** DO **Drawn by:** SK **Checked by:** DG

**Sheet No.:** C2.04

11 of 17 Sheets



# PORT TOWNSEND REGIONAL STORMWATER FACILITY

## SECTIONS 9 & 16, TOWNSHIP 30N, RANGE 1W, W.M., JEFFERSON COUNTY, WA

CERB CONTRACT NO. 515-790AO-065



Project Title:  
**PORT TOWNSEND REGIONAL STORMWATER FACILITY**

Client:  
**CITY OF PORT TOWNSEND**

250 MADISON STREET  
PORT TOWNSEND, WA 98368

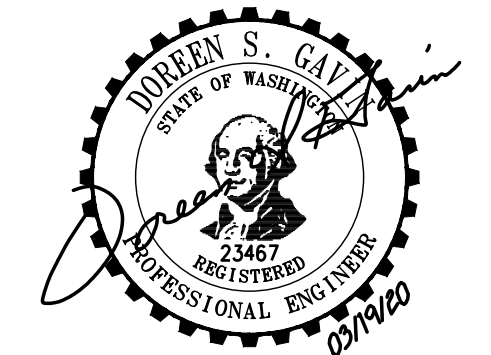
WORK ORDER # 8028

Project No.  
2160137

Issue Set & Date:

**BID SET**

03/19/2020



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- △ CHANGE ORDER 04  
04/21/2021
- △ CHANGE ORDER 02  
03/19/2021
- △ CHANGE ORDER 01  
12/17/2020

Sheet Title:  
**STORM DRAINAGE DETAILS**

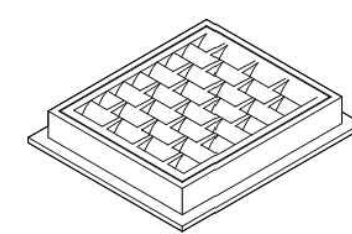
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Sheet No.

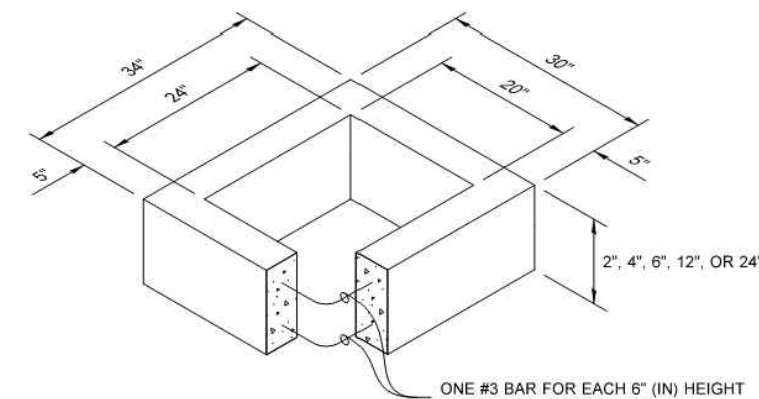
**C3.10**

14 of 17 Sheets

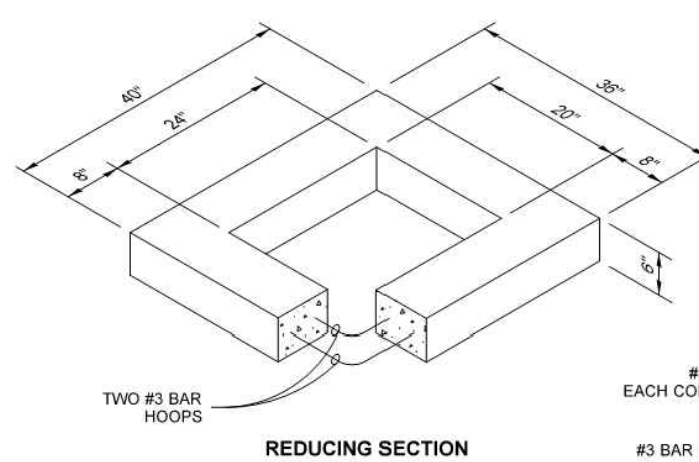
DRAWN BY: USA CYFORO



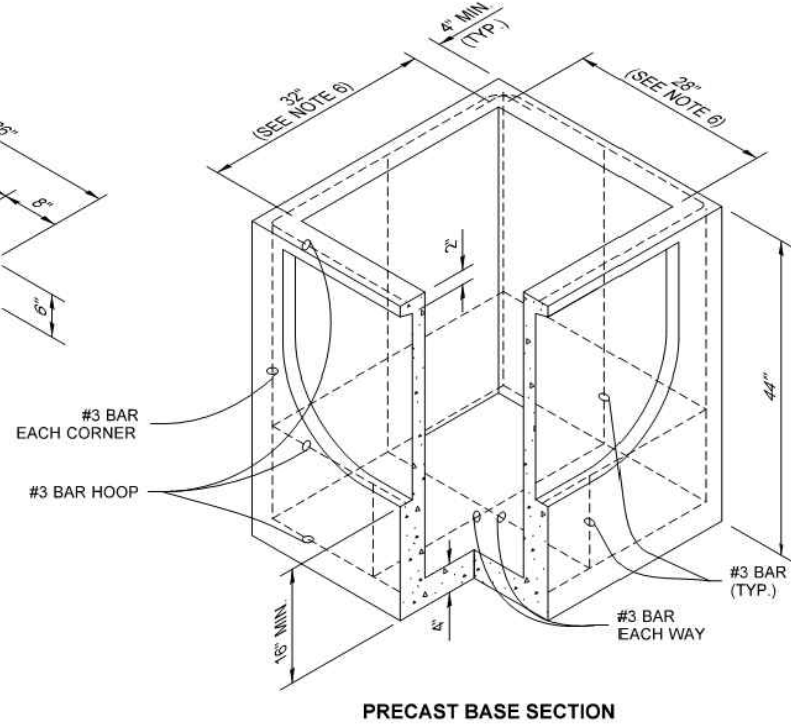
FRAME AND VANED GRATE



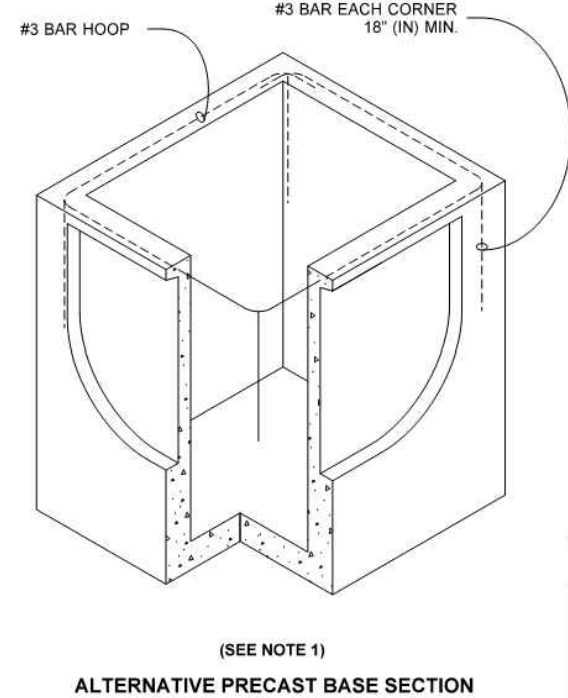
RECTANGULAR ADJUSTMENT SECTION



REDUCING SECTION



PRECAST BASE SECTION



ALTERNATIVE PRECAST BASE SECTION

PIPE ALLOWANCES	
PIPE MATERIAL	MAXIMUM INSIDE DIAMETER (INCHES)
REINFORCED OR PLAIN CONCRETE	18"
ALL METAL PIPE	21"
CPSPP * (STD. SPEC. SECT. 9-05.20)	18"
SOLID WALL PVC (STD. SPEC. SECT. 9-05.12(1))	21"
PROFILE WALL PVC (STD. SPEC. SECT. 9-05.12(2))	21"

\* CORRUGATED POLYETHYLENE STORM SEWER PIPE

**NOTES**

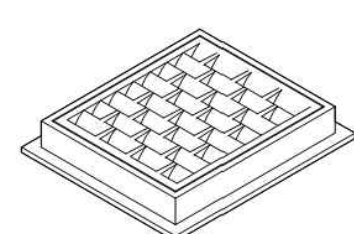
- As acceptable alternatives to the rebar shown in the PRECAST BASE SECTION, fibers (placed according to the Standard Specifications), or wire mesh having a minimum area of 0.12 square inches per foot shall be used with the minimum required rebar shown in the ALTERNATIVE PRECAST BASE SECTION. Wire mesh shall not be placed in the knockouts.
- The knockout shall not be greater than 26" (in), in any direction. Knockouts shall have a wall thickness of 2" (in) minimum to 2.5" (in) maximum. Provide a 1.5" (in) minimum gap between the knockout wall and the outside of the pipe. After the pipe is installed, fill the gap with joint mortar in accordance with Standard Specification Section 9-04.3.
- The maximum depth from the finished grade to the lowest pipe invert shall be 5' (ft).
- The frame and grate may be installed with the flange down or integrally cast into the adjustment section with flange up.
- The Precast Base Section may have a rounded floor, and the walls may be sloped at a rate of 1 : 24 or steeper.
- The opening shall be measured at the top of the Precast Base Section.
- All pickup holes shall be grouted full after the basin has been placed.



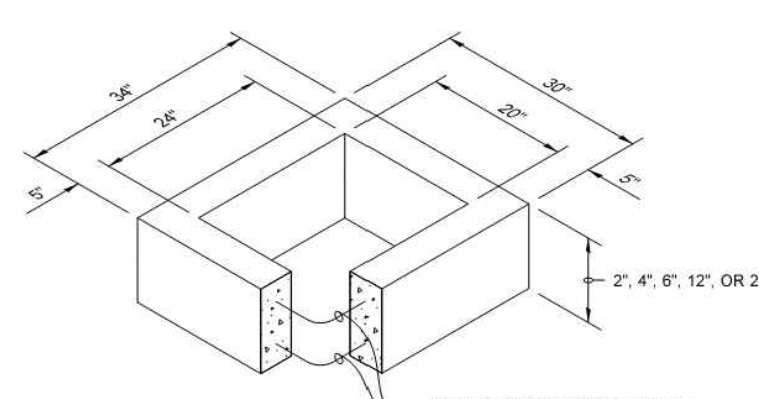
Heilman, Julie  
Jan 25 2017 2:56 PM  
**CATCH BASIN TYPE 1L**  
STANDARD PLAN B-5.40-02  
SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION  
Lynette S. Galt, PE  
March 20, 2020 4:04 PM  
STATE DESIGN ENGINEER  
Washington State Department of Transportation

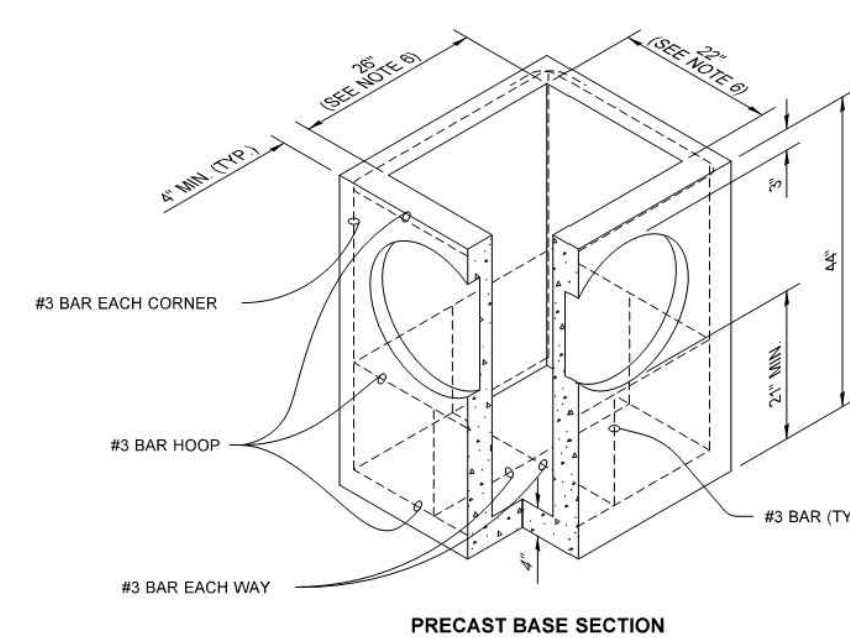
DRAWN BY: USA CYFORO



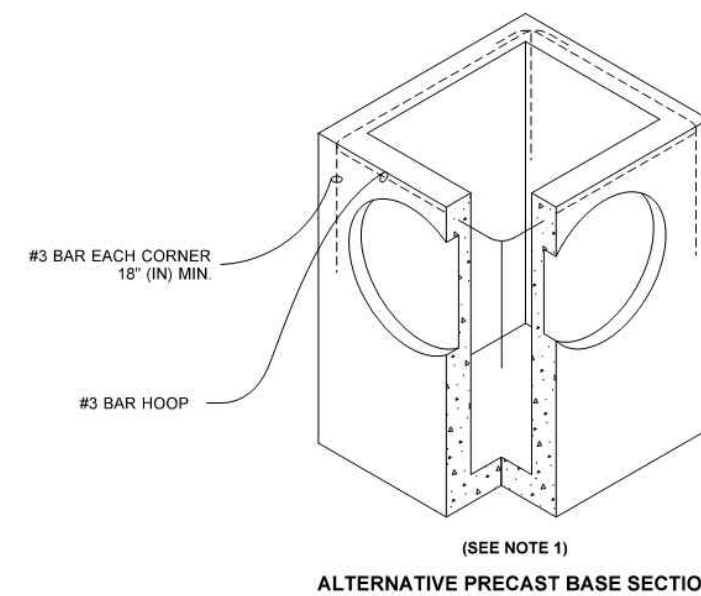
FRAME AND VANED GRATE



RECTANGULAR ADJUSTMENT SECTION



PRECAST BASE SECTION



ALTERNATIVE PRECAST BASE SECTION

PIPE ALLOWANCES	
PIPE MATERIAL	MAXIMUM INSIDE DIAMETER (INCHES)
REINFORCED OR PLAIN CONCRETE	12"
ALL METAL PIPE	15"
CPSPP * (STD. SPEC. SECT. 9-05.20)	12"
SOLID WALL PVC (STD. SPEC. SECT. 9-05.12(1))	15"
PROFILE WALL PVC (STD. SPEC. SECT. 9-05.12(2))	15"

\* CORRUGATED POLYETHYLENE STORM SEWER PIPE

**NOTES**

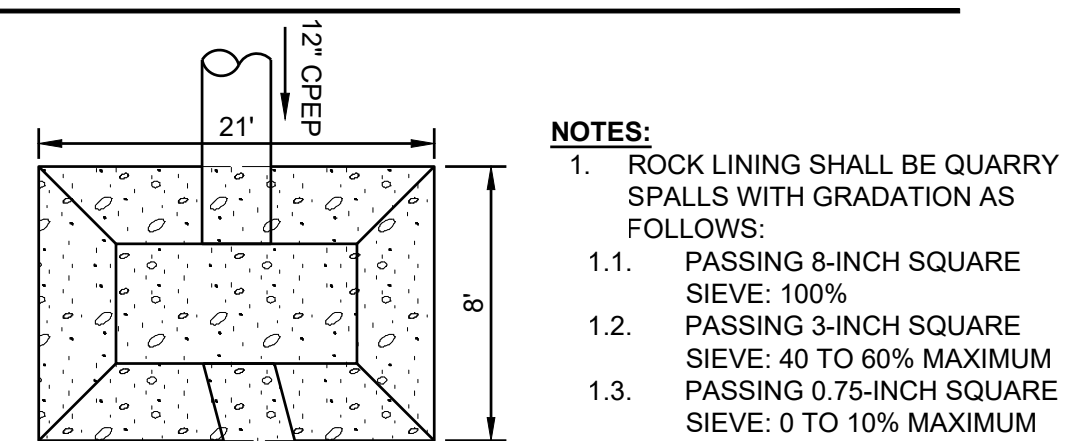
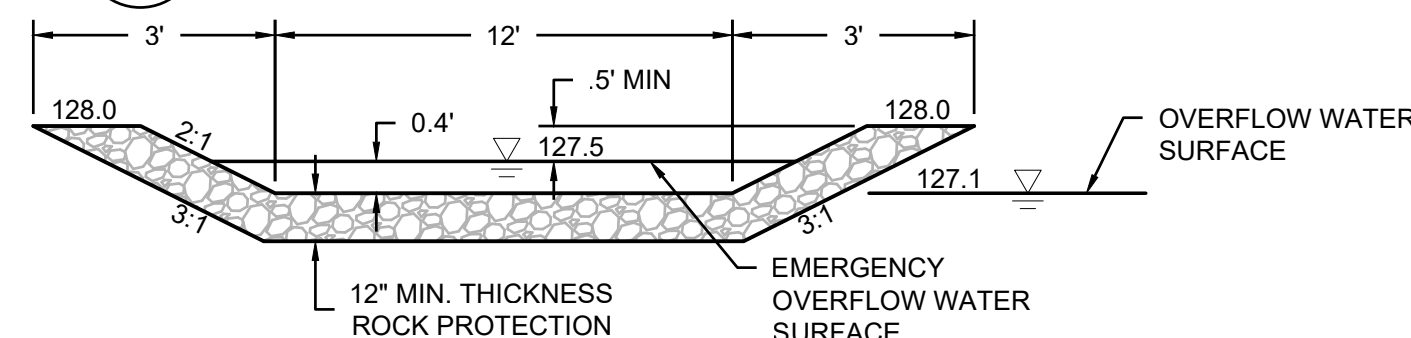
- As acceptable alternatives to the rebar shown in the PRECAST BASE SECTION, fibers (placed according to the Standard Specifications), or wire mesh having a minimum area of 0.12 square inches per foot shall be used with the minimum required rebar shown in the ALTERNATIVE PRECAST BASE SECTION. Wire mesh shall not be placed in the knockouts.
- The knockout diameter shall not be greater than 20" (in). Knockouts shall have a wall thickness of 2" (in) minimum to 2.5" (in) maximum. Provide a 1.5" (in) minimum gap between the knockout wall and the outside of the pipe. After the pipe is installed, fill the gap with joint mortar in accordance with Standard Specification Section 9-04.3.
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- The opening shall be measured at the top of the Precast Base Section.
- All pickup holes shall be grouted full after the basin has been placed.



Heilman, Julie  
Jan 25 2017 2:53 PM  
**CATCH BASIN TYPE 1**  
STANDARD PLAN B-5.20-02  
SHEET 1 OF 1 SHEET

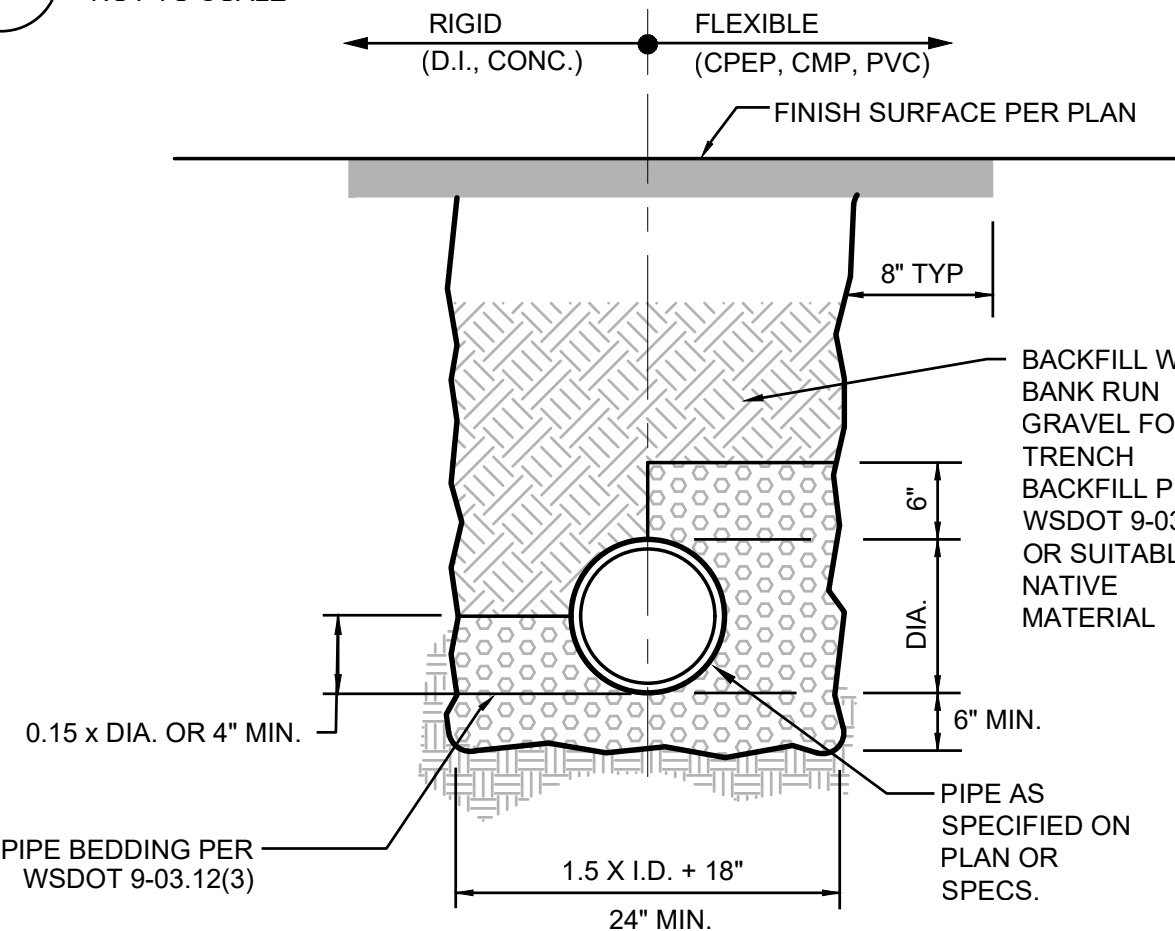
APPROVED FOR PUBLICATION  
Lynette S. Galt, PE  
March 20, 2020 4:04 PM  
STATE DESIGN ENGINEER  
Washington State Department of Transportation

**1 CB TYPE 1L**  
NOT TO SCALE

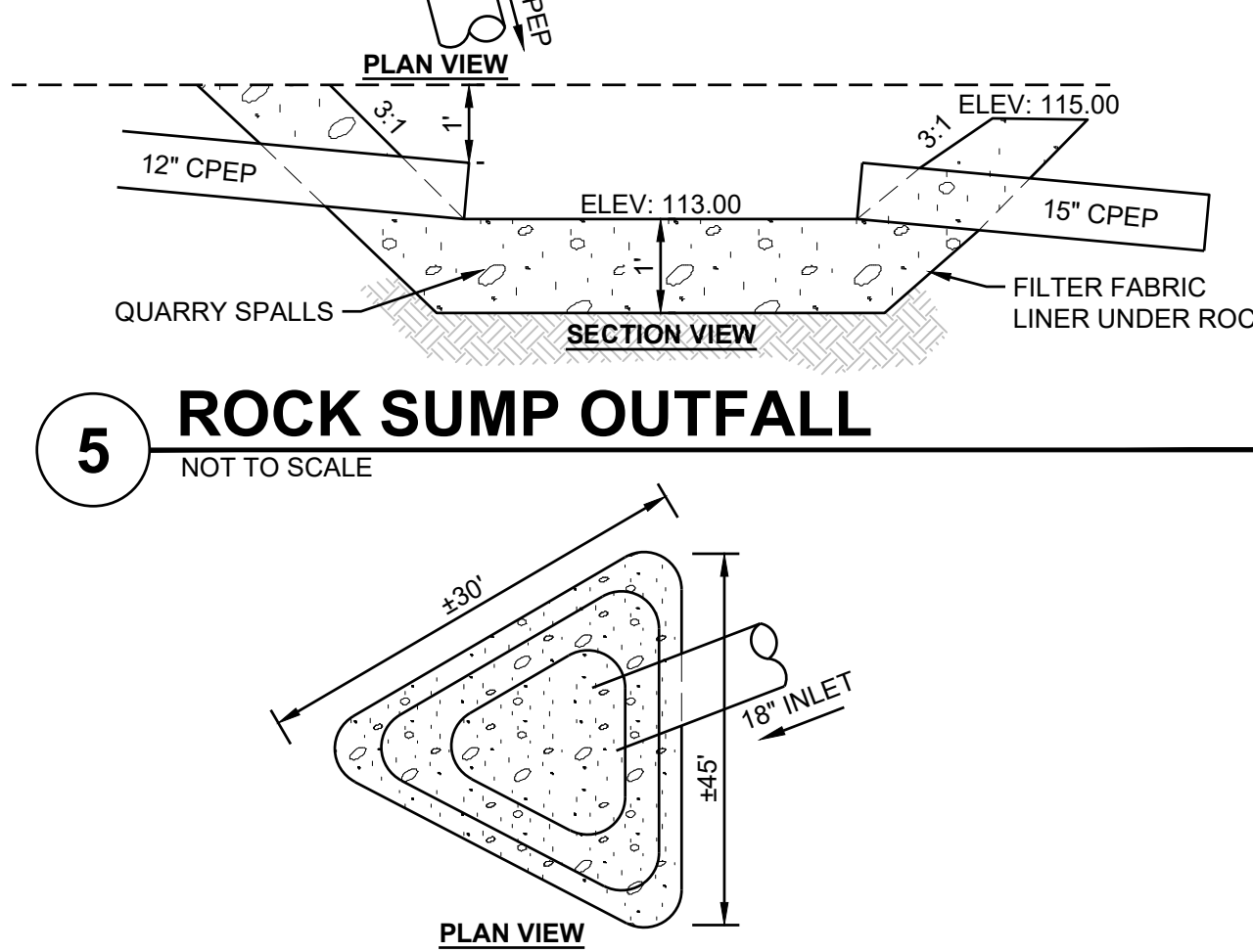


- NOTES:**
- ROCK LINING SHALL BE QUARRY SPALLS WITH GRADATION AS FOLLOWS:
    - PASSING 8-INCH SQUARE SIEVE: 100%
    - PASSING 3-INCH SQUARE SIEVE: 40 TO 60% MAXIMUM
    - PASSING 0.75-INCH SQUARE SIEVE: 0 TO 10% MAXIMUM

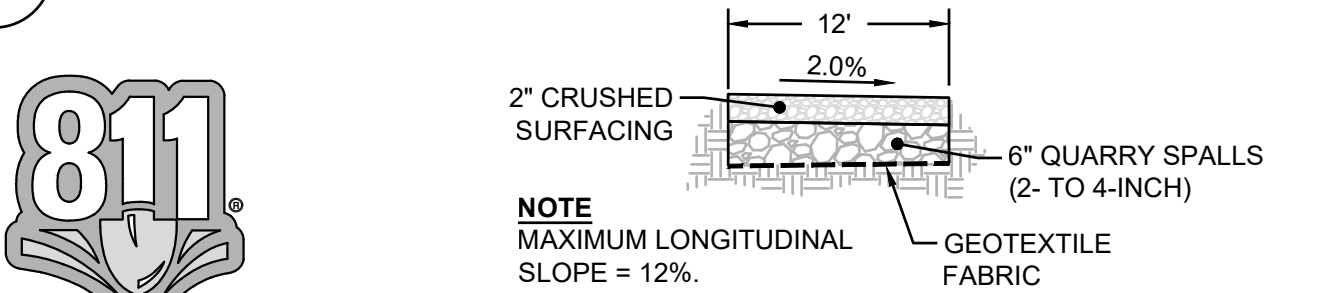
**2 EMERGENCY OVERFLOW SPILLWAY**  
NOT TO SCALE



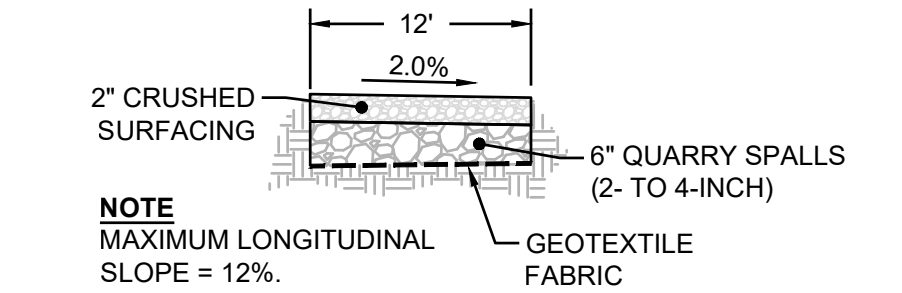
**5 ROCK SUMP OUTFALL**  
NOT TO SCALE



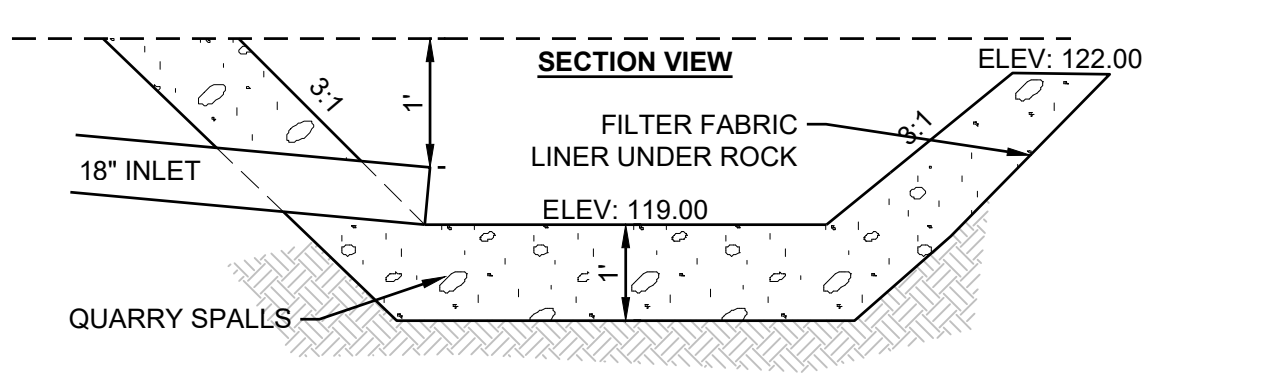
**3 PIPE BEDDING AND TRENCH BACKFILL**  
NOT TO SCALE



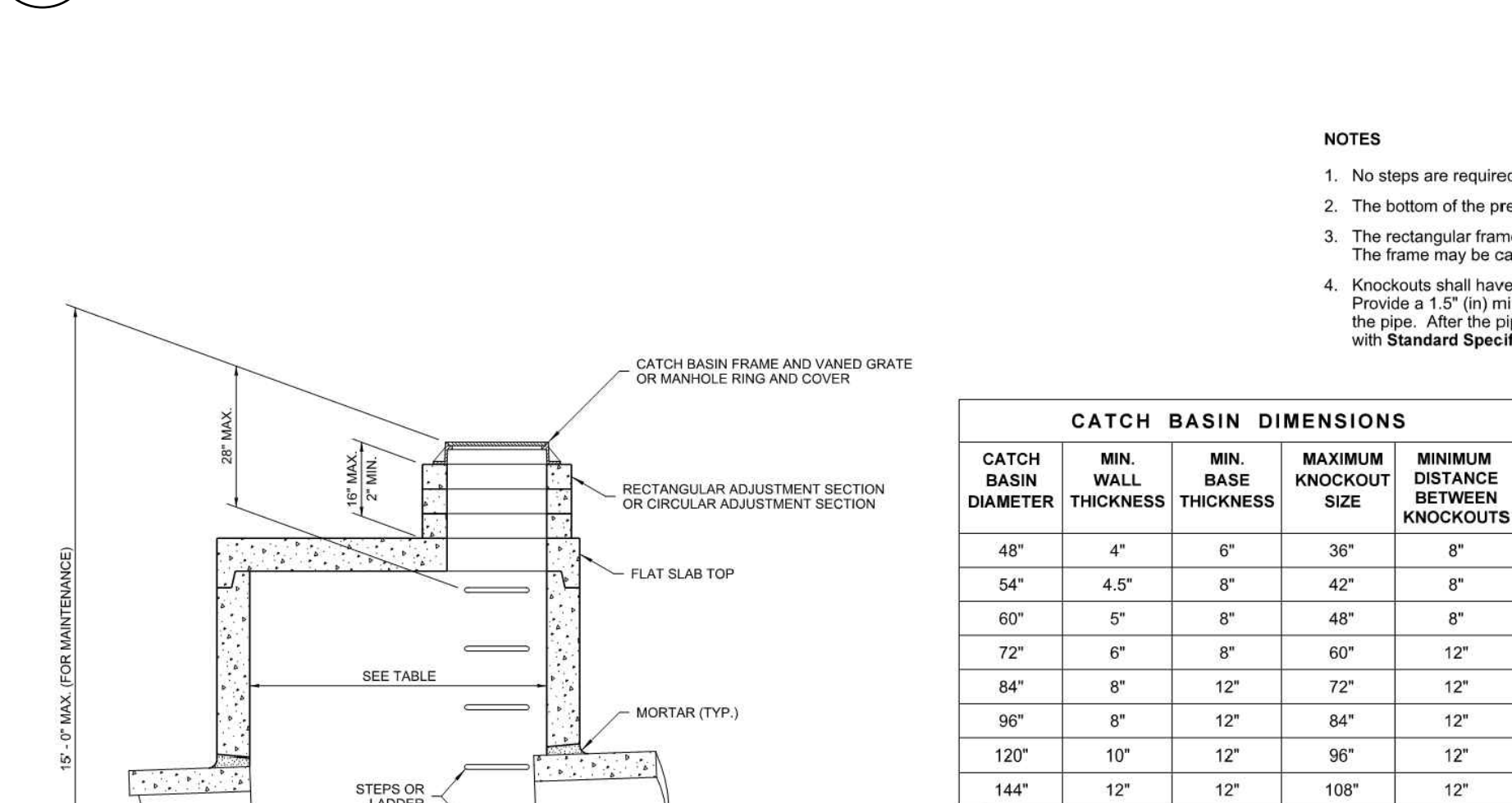
**4 POND ACCESS RAMP**  
NOT TO SCALE



**6 POND INLET WITH STILLING BASIN**  
NOT TO SCALE



**7 CB TYPE 1**  
NOT TO SCALE



CATCH BASIN DIMENSIONS				
CATCH BASIN DIAMETER	MIN. WALL THICKNESS	MIN. BASE THICKNESS	MAXIMUM KNOCKOUT SIZE	MINIMUM DISTANCE BETWEEN KNOCKOUTS
48"	4"	6"	36"	8"
54"	4.5"	8"	42"	8"
60"	5"	8"	48"	8"
72"	6"	8"	60"	12"
84"	8"	12"	72"	12"
96"	8"	12"	84"	12"
120"	10"	12"	96"	12"
144"	12"	12"	108"	12"

CATCH BASIN DIAMETER	PIPE MATERIAL WITH MAXIMUM INSIDE DIAMETER			
	CONCRETE	ALL METAL	CPSPP (1)	PROFILE WALL PVC (2)
48"	24"	30"	24"	30"
54"	30"	36"	30"	36"
60"	36"	42"	36"	42"
72"	42"	54"	42"	48"
84"	54"	60"	54"	48"
96"	60"	72"	60"	48"
120"	66"	84"	60"	48"
144"	78"	96"	60"	48"

- (1) Corrugated Polyethylene Storm Sewer Pipe (See Standard Specification Section 9-05.20)  
 (2) See Standard Specification Section 9-05.12(1)  
 (3) See Standard Specification Section 9-05.12(2)  
 (4) Polypropylene Pipe (See Standard Specification Section 9-05.24)



Heilman, Julie  
Feb 20 2019 12:49 PM  
**CATCH BASIN TYPE 2**  
STANDARD PLAN B-10.20-02  
SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION  
Lynette S. Galt, PE  
March 20, 2020 4:04 PM  
STATE DESIGN ENGINEER  
Washington State Department of Transportation



# PORT TOWNSEND REGIONAL STORMWATER FACILITY

## SECTIONS 9 & 16, TOWNSHIP 30N, RANGE 1W, W.M., JEFFERSON COUNTY, WA

CERB CONTRACT NO. 515-790AO-065



2215 North 30th Street, Suite 300 Tacoma, WA 98403  
253.383.2422 TEL 253.383.2572 FAX www.ahbl.com WEB

Project Title:  
**PORT TOWNSEND REGIONAL STORMWATER FACILITY**

Client:  
**CITY OF PORT TOWNSEND**

250 MADISON STREET  
PORT TOWNSEND, WA 98368

WORK ORDER # 8028

Project No. 2160137

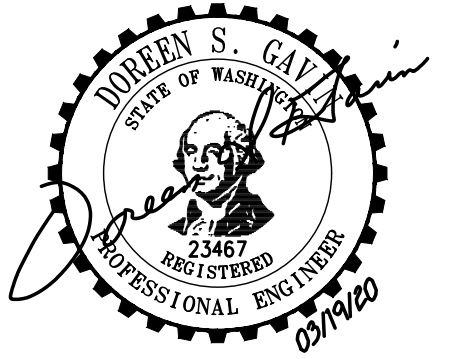
Issue Set & Date:

### BID SET

03/19/2020

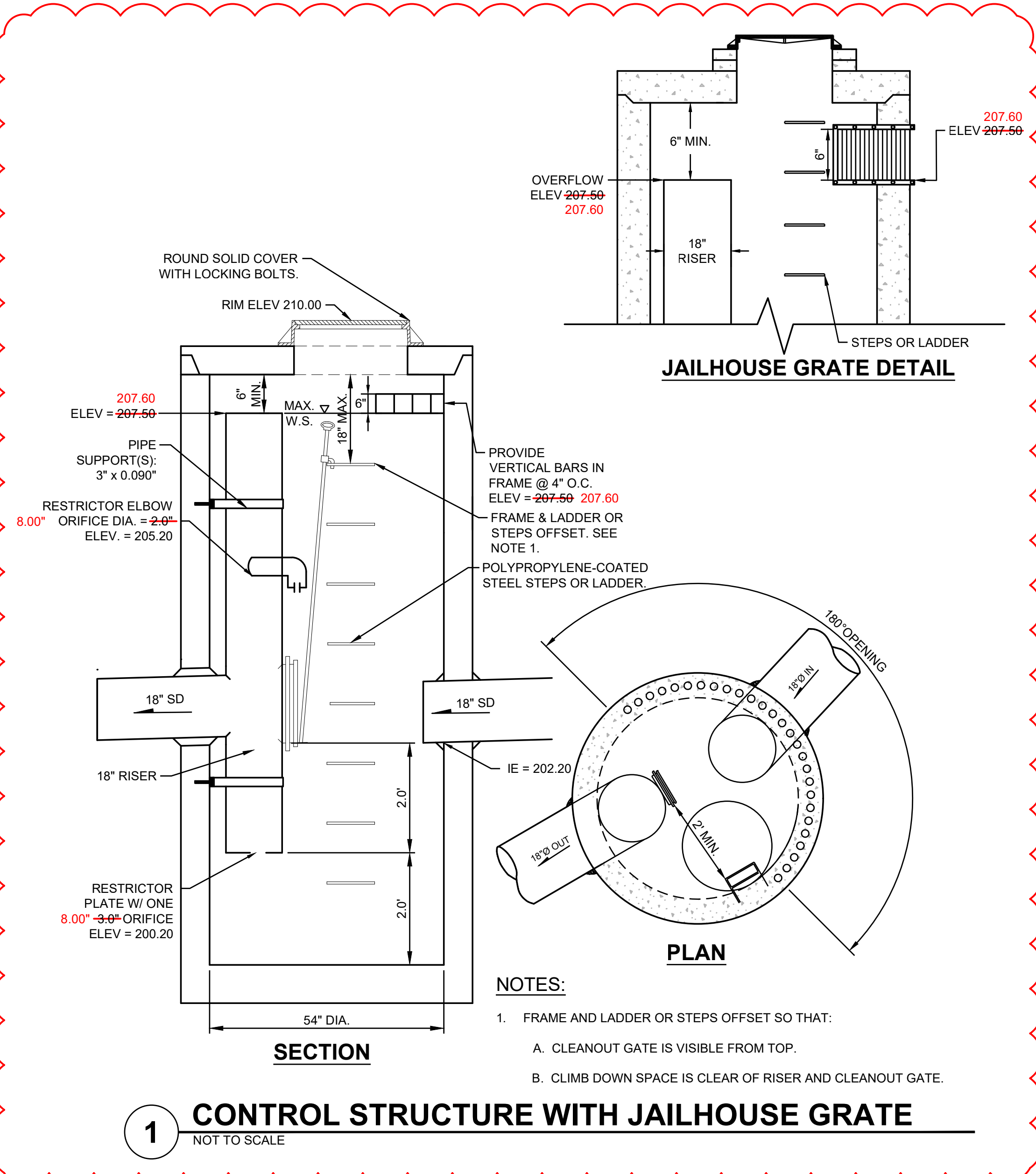


Barry, Ed  
Jul 14 2015 11:14 AM  
**CHAIN LINK FENCE TYPES 3 AND 4**  
**STANDARD PLAN L-20.10-03**  
SHEET 1 OF 2 SHEETS  
APPROVED FOR PUBLICATION  
Carpenter, Jeff  
Jul 14 2015 11:24 AM  
STATE DESIGN ENGINEER  
Washington State Department of Transportation

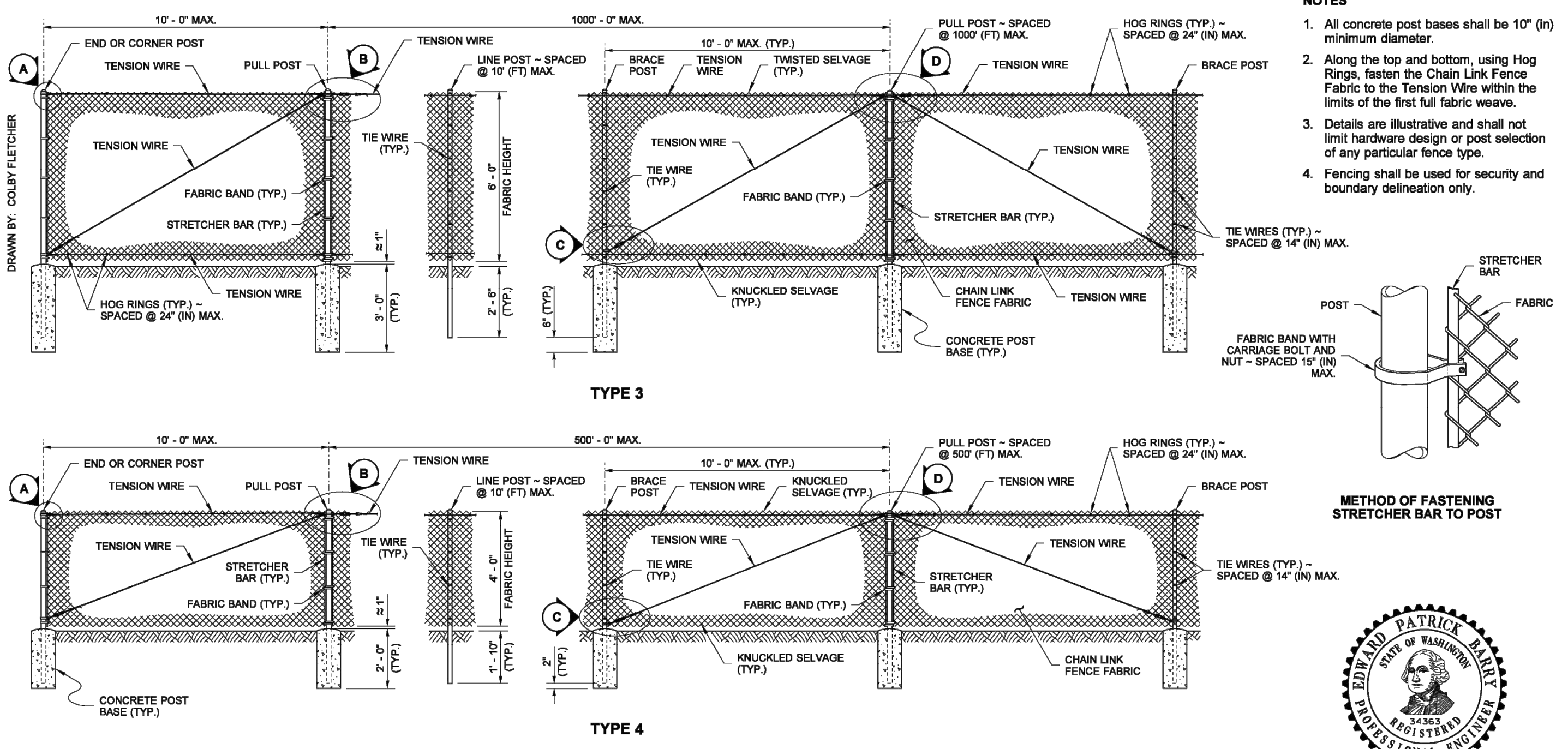


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NOTES  
1. Materials shall meet the requirements of Standard Specification 9-16.



- NOTES:
- FRAME AND LADDER OR STEPS OFFSET SO THAT:
    - A. CLEANOUT GATE IS VISIBLE FROM TOP.
    - B. CLIMB DOWN SPACE IS CLEAR OF RISER AND CLEANOUT GATE.

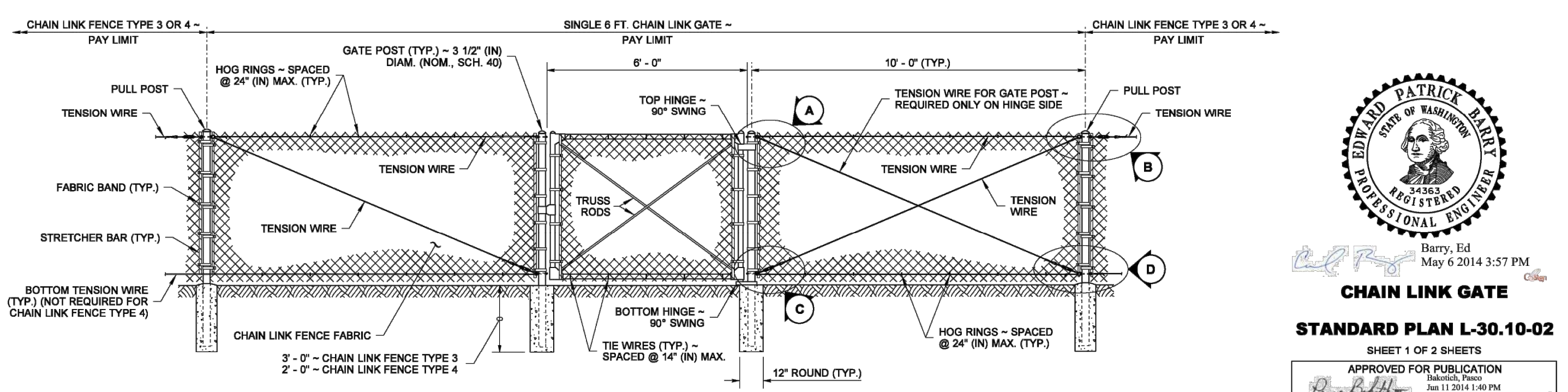
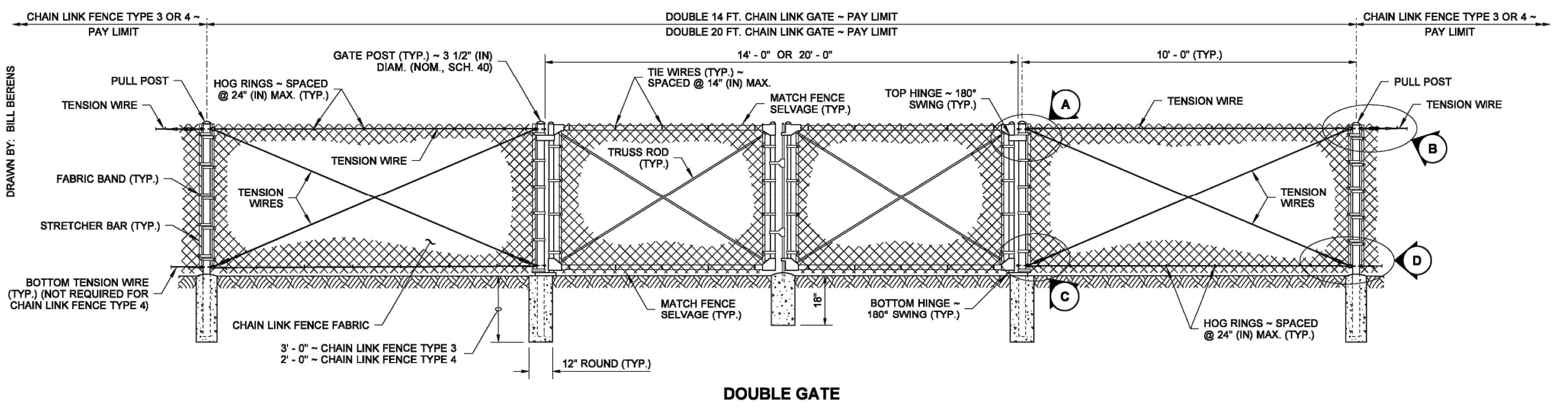


POST AND RAIL SPECIFICATIONS				
POST	PIPE		ROLL FORMED	
	NOM. SIZE (SCH. 40) I.D.	SECTION	SECTION	WEIGHT (lb/ft)
END, CORNER, OR PULL POST	2 1/2" DIAM.	(Y)	(Y)	5.10
LINE OR BRACE POST	2" DIAM.	(Z)	(Z)	1.85

FABRIC LOOP - 2 SIDES

### 2 CHAIN LINK FENCE

NOT TO SCALE



### 3 CHAIN LINK GATE

NOT TO SCALE



Barry, Ed  
May 6 2014 3:57 PM  
**CHAIN LINK GATE**  
**STANDARD PLAN L-30.10-02**  
SHEET 1 OF 2 SHEETS  
APPROVED FOR PUBLICATION  
Baldwin, Steve  
Jun 11 2014 1:40 PM  
STATE DESIGN ENGINEER  
Washington State Department of Transportation

Sheet Title:  
**STORM DRAINAGE DETAILS**

Designed by: DO Drawn by: SK Checked by: DG

Sheet No.

# C3.11

15 of 17 Sheets



Know what's below.  
Call before you dig.



# PORT TOWNSEND REGIONAL STORMWATER FACILITY

## SECTIONS 9 & 16, TOWNSHIP 30N, RANGE 1W, W.M., JEFFERSON COUNTY, WA

CERB CONTRACT NO. 515-790AO-065



Project Title:  
**PORT TOWNSEND REGIONAL STORMWATER FACILITY**

Client:  
**CITY OF PORT TOWNSEND**

250 MADISON STREET  
PORT TOWNSEND, WA 98368

WORK ORDER # 8028

Project No.

2160137

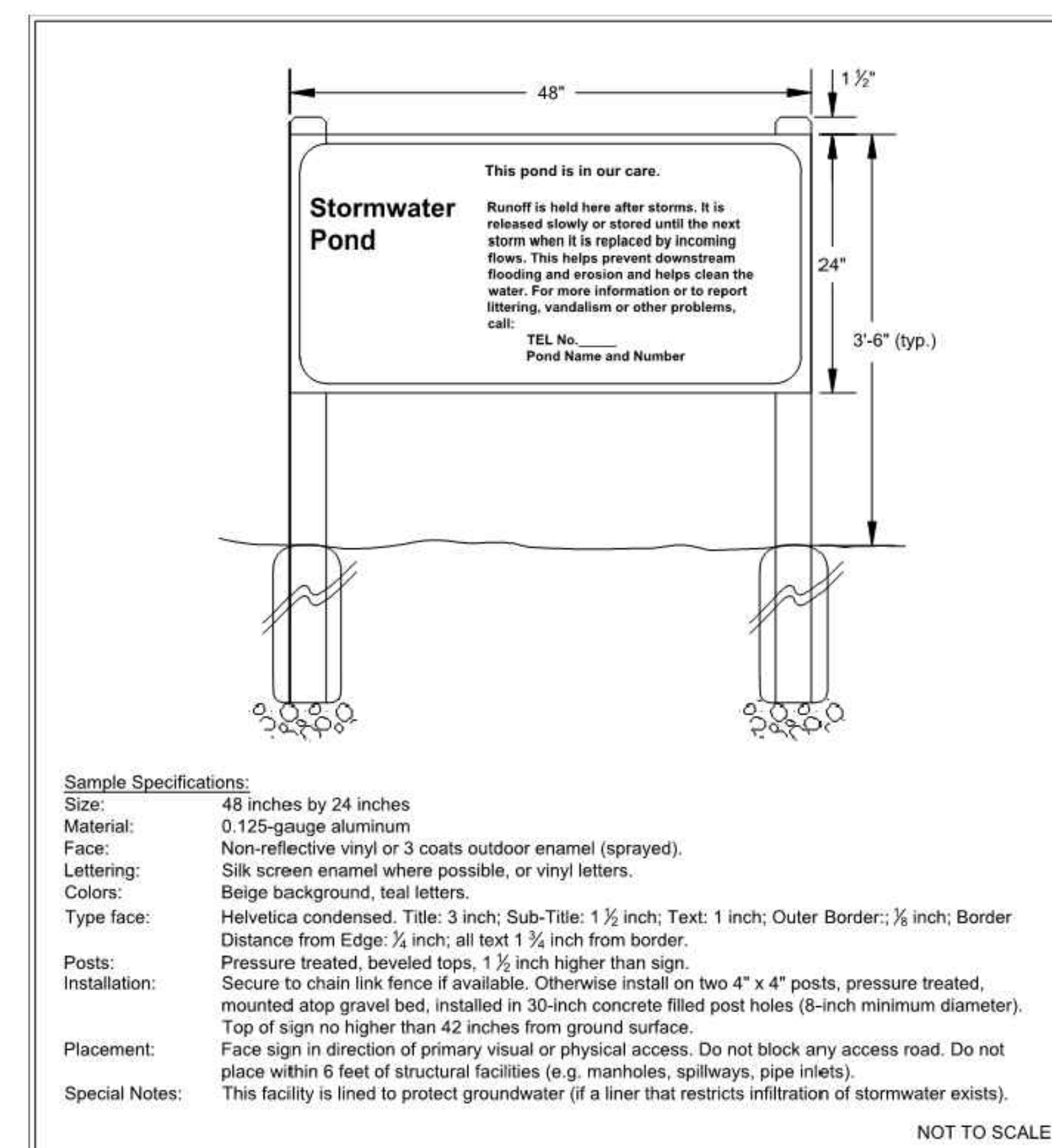
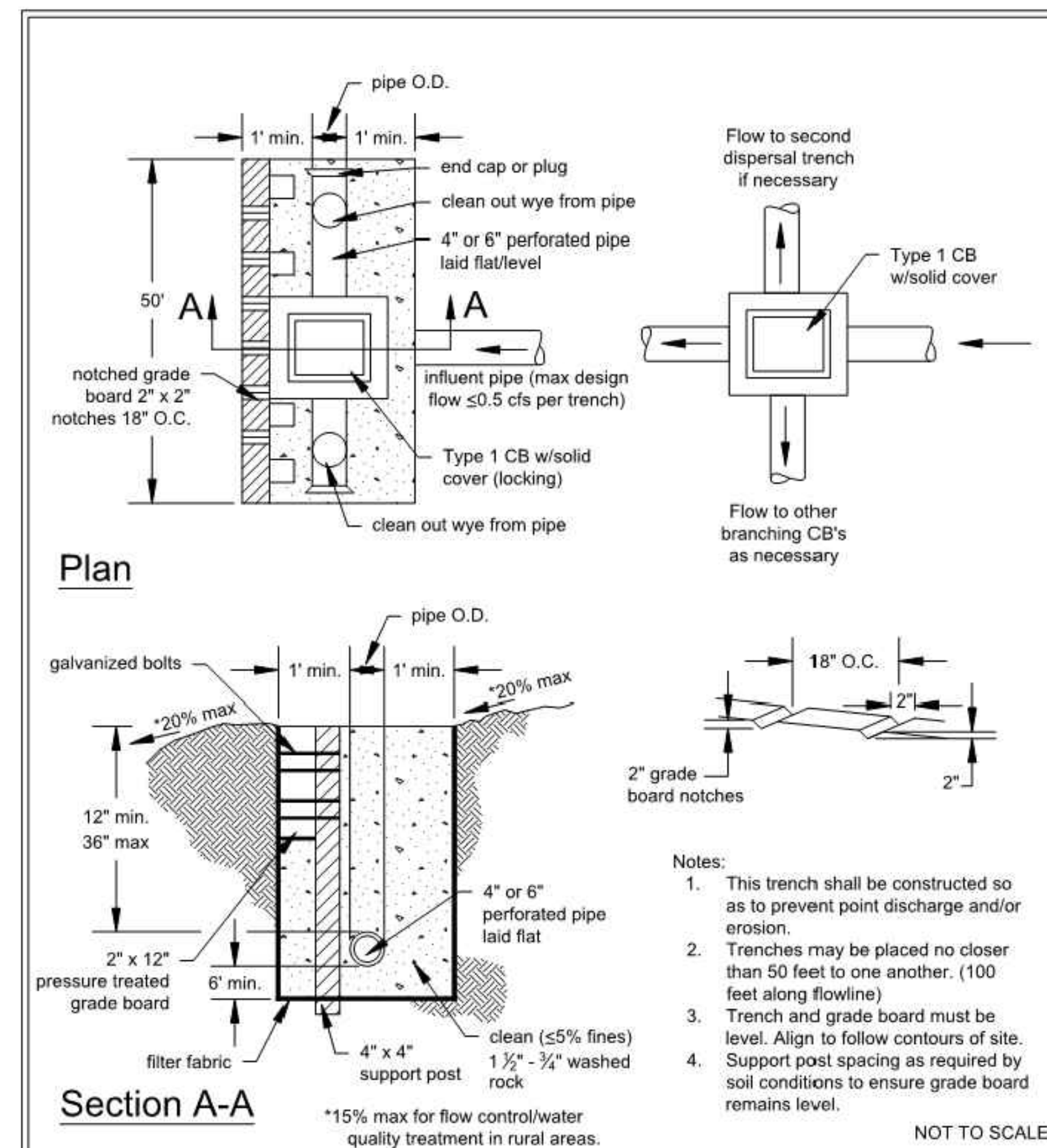
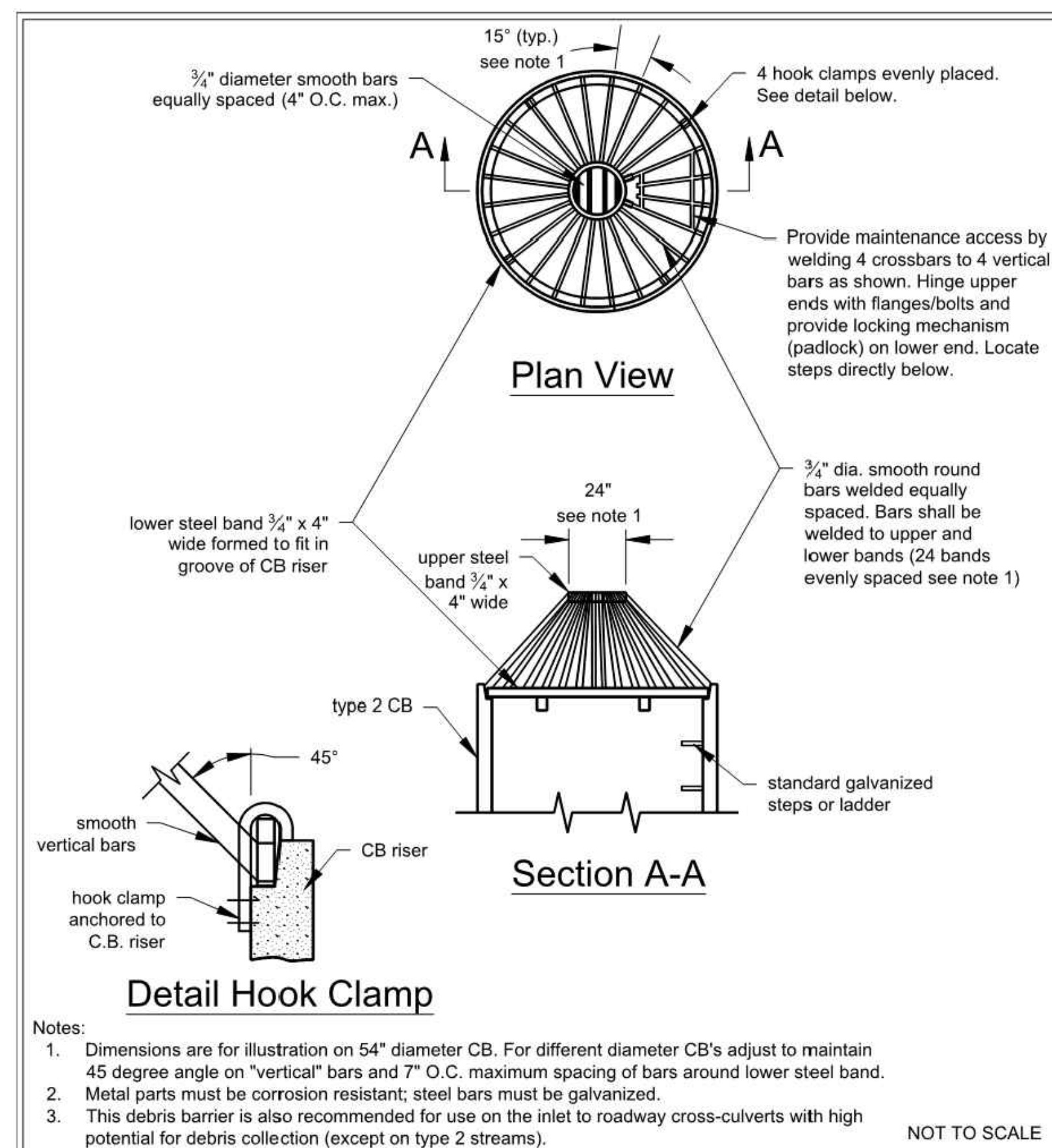
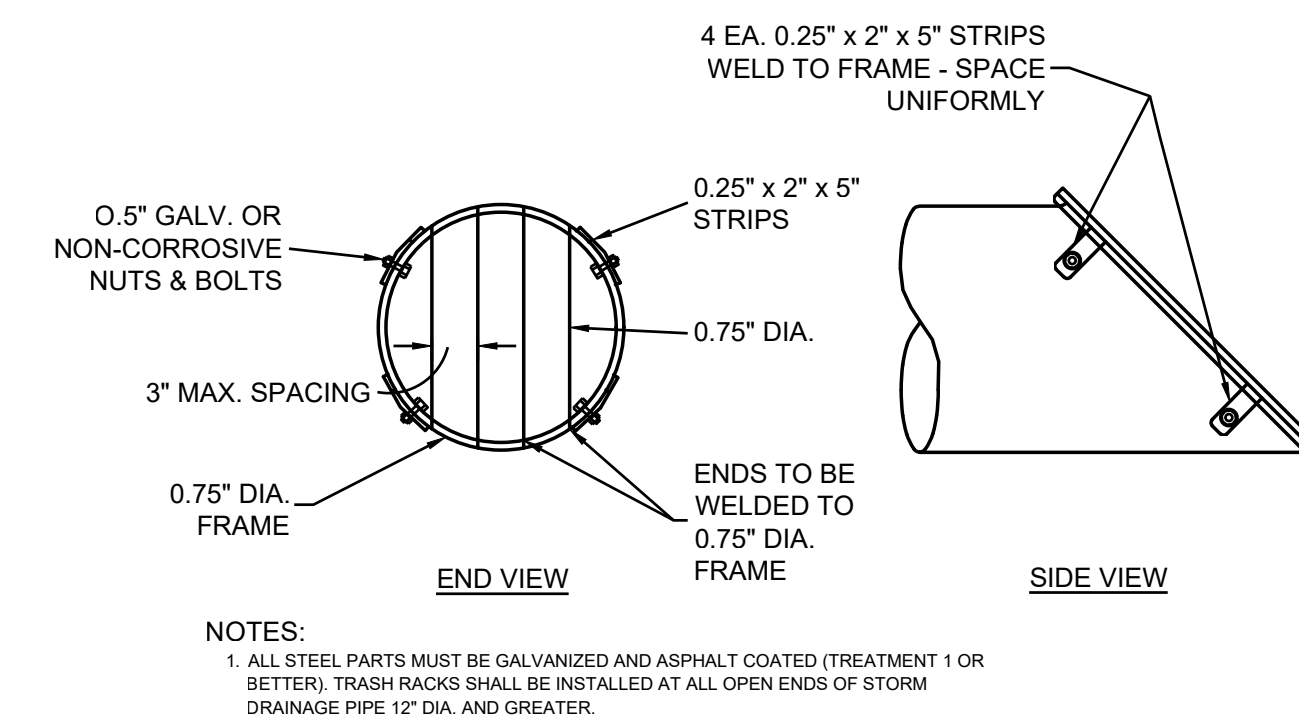
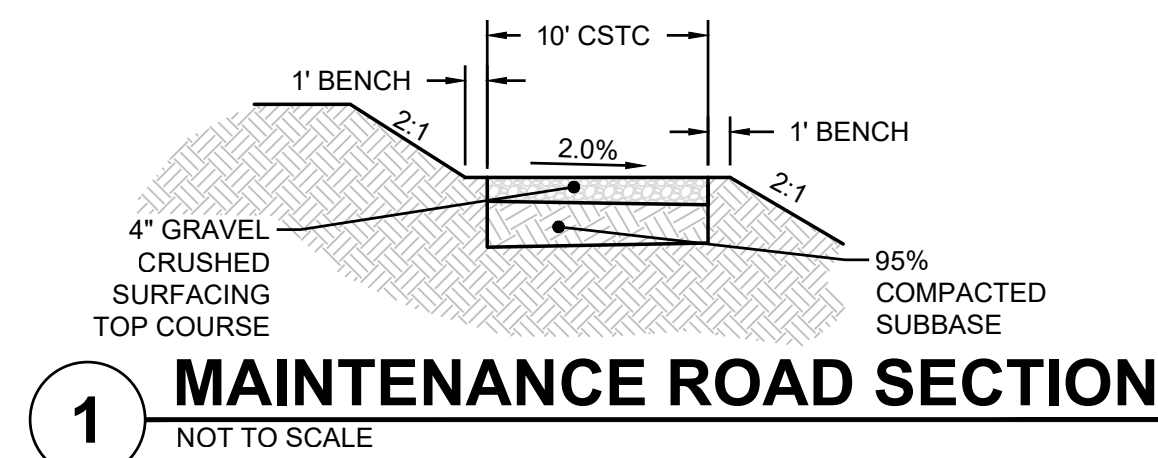
Issue Set & Date:

**BID SET**

03/19/2020



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DEPARTMENT OF ECOLOGY  
State of Washington  
Figure III-3.2.3  
Overflow Structure  
Revised December 2015  
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DEPARTMENT OF ECOLOGY  
State of Washington  
Figure V-4.5.8  
Flow Dispersal Trench  
Revised January 2016  
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DEPARTMENT OF ECOLOGY  
State of Washington  
Figure III-3.2.4  
Example of Permanent Surface Water Control Pond Sign  
Revised December 2015  
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CHANGE ORDER 04  
04/21/2021

CHANGE ORDER 02  
03/19/2021

CHANGE ORDER 01  
12/17/2020

Sheet Title:  
**STORM DRAINAGE DETAILS**

Designed by: DO  
Drawn by: SK  
Checked by: DG

Sheet No.

**C3.12**

16 of 17 Sheets



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Call before you dig.



# PORT TOWNSEND REGIONAL STORMWATER FACILITY

## SECTIONS 9 & 16, TOWNSHIP 30N, RANGE 1W, W.M., JEFFERSON COUNTY, WA

CERB CONTRACT NO. 515-790AO-065



Project Title:  
**PORT TOWNSEND REGIONAL STORMWATER FACILITY**

Client:  
**CITY OF PORT TOWNSEND**

250 MADISON STREET  
PORT TOWNSEND, WA 98368

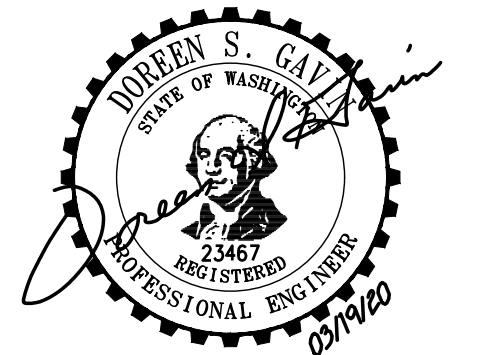
WORK ORDER # 8028

Project No.  
2160137

Issue Set & Date:

**BID SET**

03/19/2020



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- △ CHANGE ORDER 04  
04/21/2021
- △ CHANGE ORDER 02  
03/19/2021
- △ CHANGE ORDER 01  
12/17/2020

Sheet Title:  
**REVISED STORM INFILTRATION PLAN**

Designed by: DO Drawn by: SK Checked by: DG

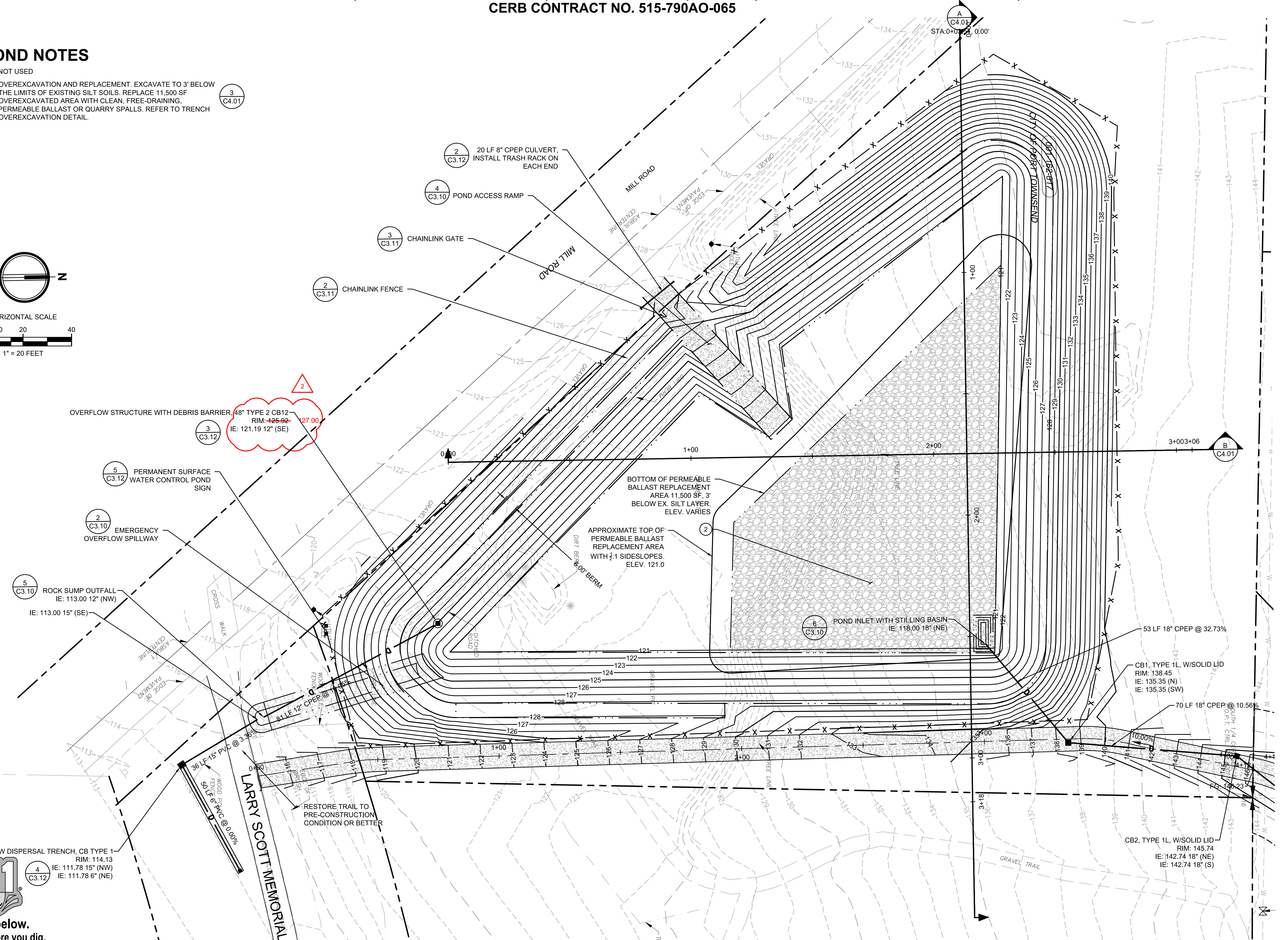
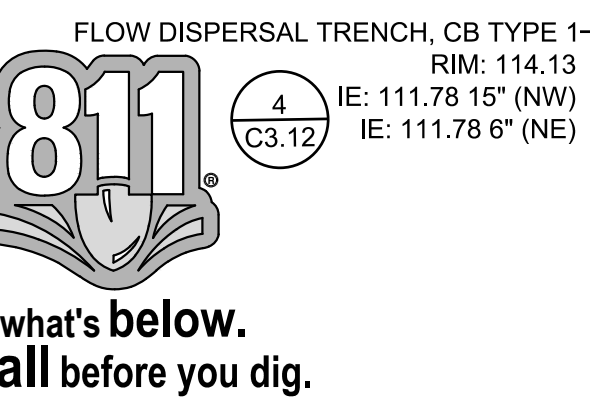
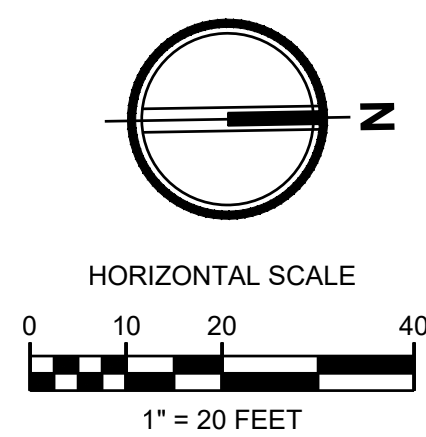
Sheet No.

**C4.00**

17 of 17 Sheets

### POND NOTES

- 1 NOT USED
- 2 OVEREXCAVATION AND REPLACEMENT. EXCAVATE TO 3' BELOW THE LIMITS OF EXISTING SILT SOILS. REPLACE 11,500 SF OVEREXCAVATED AREA WITH CLEAN, FREE-DRAINING, PERMEABLE BALLAST OR QUARRY SPALLS. REFER TO TRENCH OVEREXCAVATION DETAIL.
- 3 OVEREXCAVATION AND REPLACEMENT. EXCAVATE TO 3' BELOW THE LIMITS OF EXISTING SILT SOILS. REPLACE 11,500 SF OVEREXCAVATED AREA WITH CLEAN, FREE-DRAINING, PERMEABLE BALLAST OR QUARRY SPALLS. REFER TO TRENCH OVEREXCAVATION DETAIL.





# PORT TOWNSEND REGIONAL STORMWATER FACILITY

## SECTIONS 9 & 16, TOWNSHIP 30N, RANGE 1W, W.M., JEFFERSON COUNTY, WA

CERB CONTRACT NO. 515-790AO-065



TACOMA • SEATTLE • SPOKANE • TRI-CITIES  
 2215 North 30th Street, Suite 300 Tacoma, WA 98403  
 253.383.2422 TEL 253.383.2572 FAX www.ahbl.com WEB

**Project Title:**  
**PORT TOWNSEND REGIONAL STORMWATER FACILITY**

**Client:**  
**CITY OF PORT TOWNSEND**

250 MADISON STREET  
 PORT TOWNSEND, WA 98368

WORK ORDER # 8028

**Project No.**  
 2160137

**Issue Set & Date:**

**BID SET**

03/19/2020



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- △ CHANGE ORDER 04  
04/21/2021
  - △ CHANGE ORDER 02  
03/19/2021
  - △ CHANGE ORDER 01  
12/17/2020
- Revisions:**

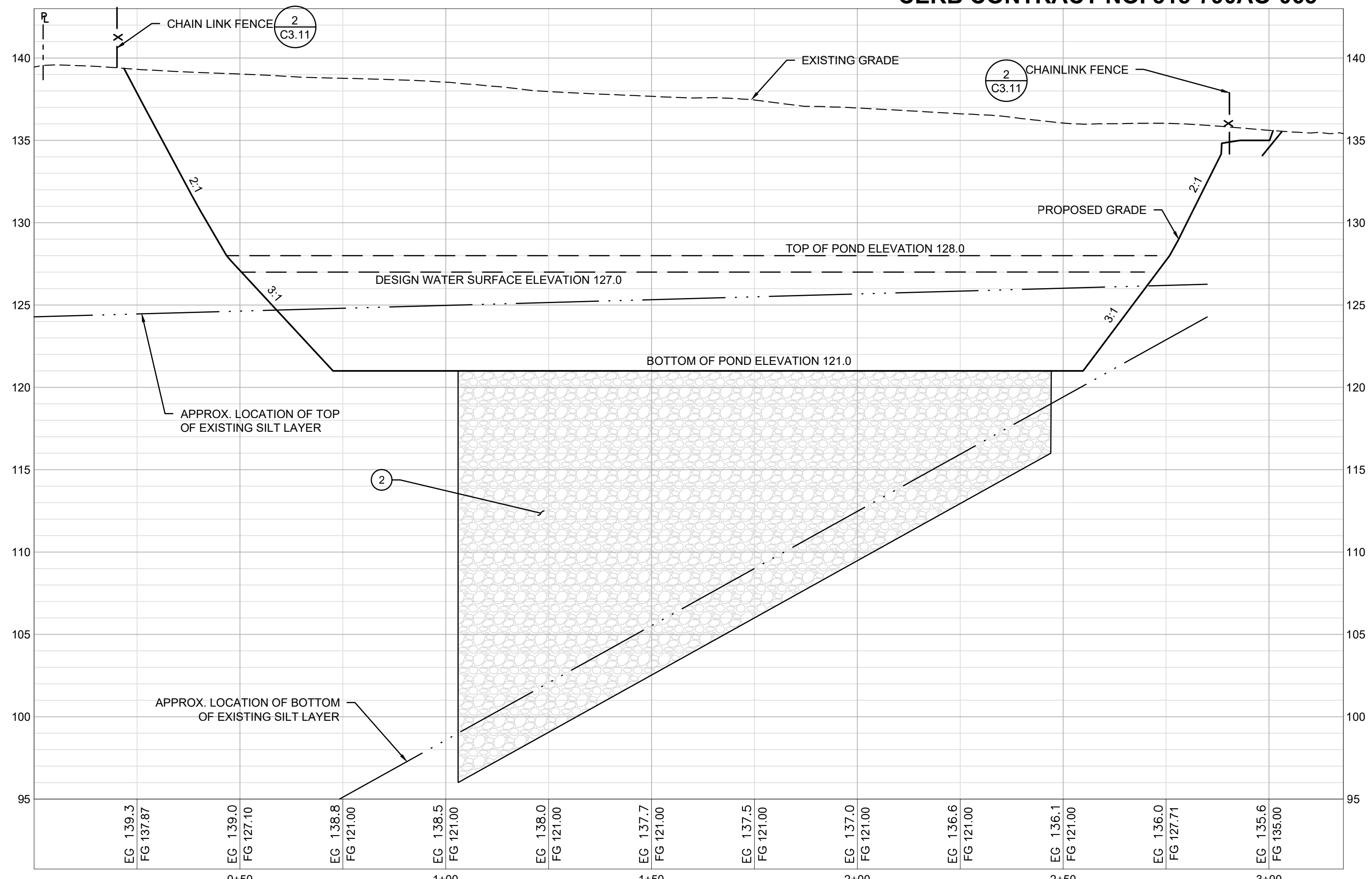
**Sheet Title:**  
**REVISED POND PROFILES**

**Designed by:** DO **Drawn by:** SK **Checked by:** DG

**Sheet No.**

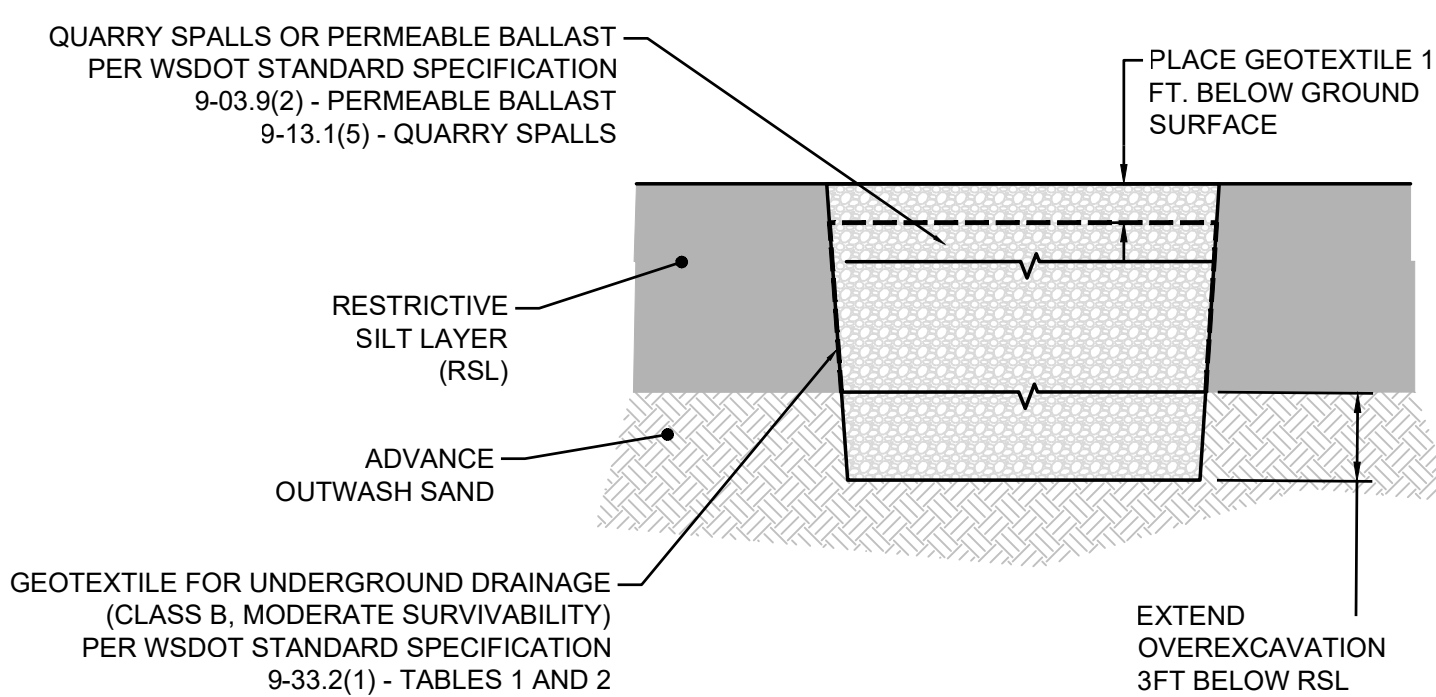
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17 Sheets



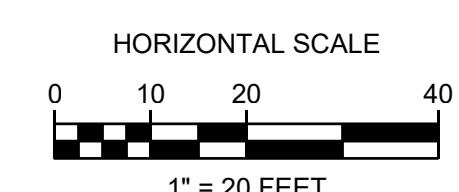
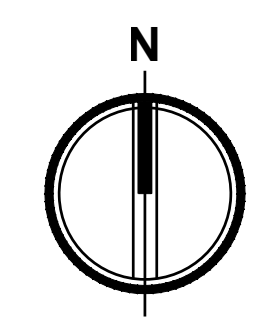
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- 3 C4.01

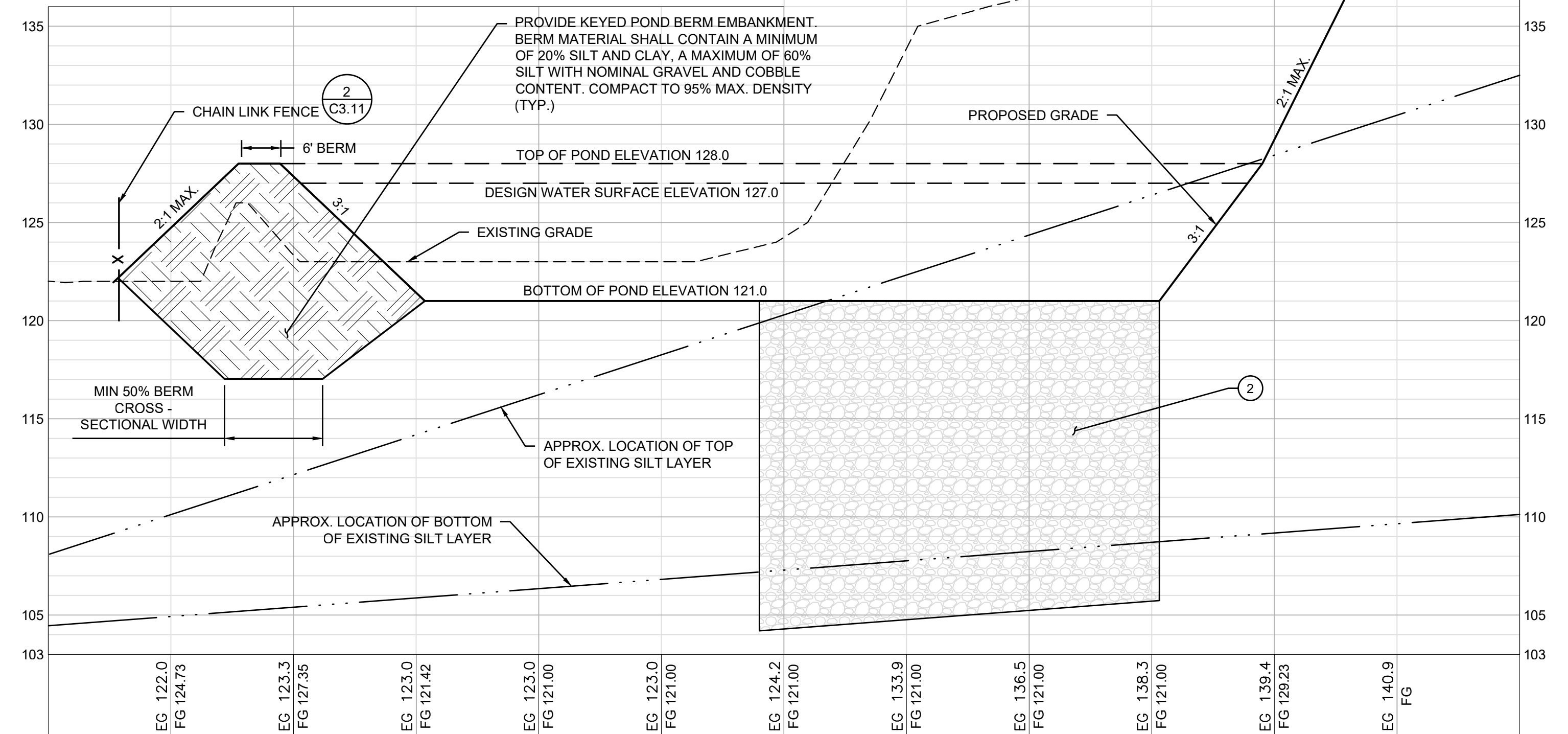


### 3 OVEREXCAVATION AND REPLACEMENT

NOT TO SCALE



**811**  
 Know what's below.  
 Call before you dig.



### 2 SECTION B-B