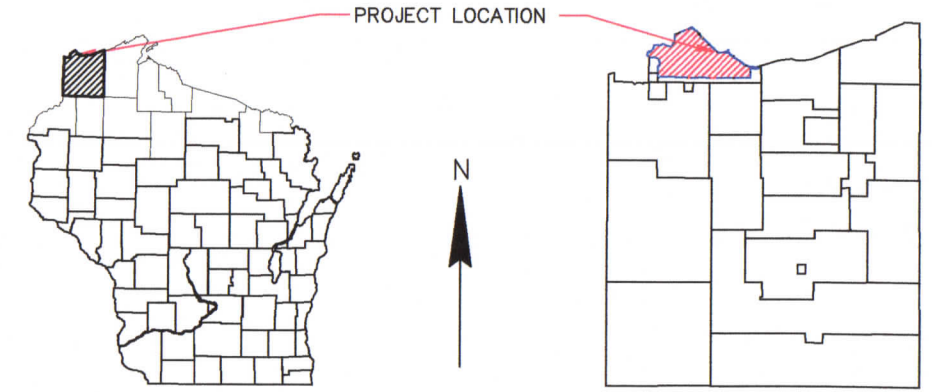
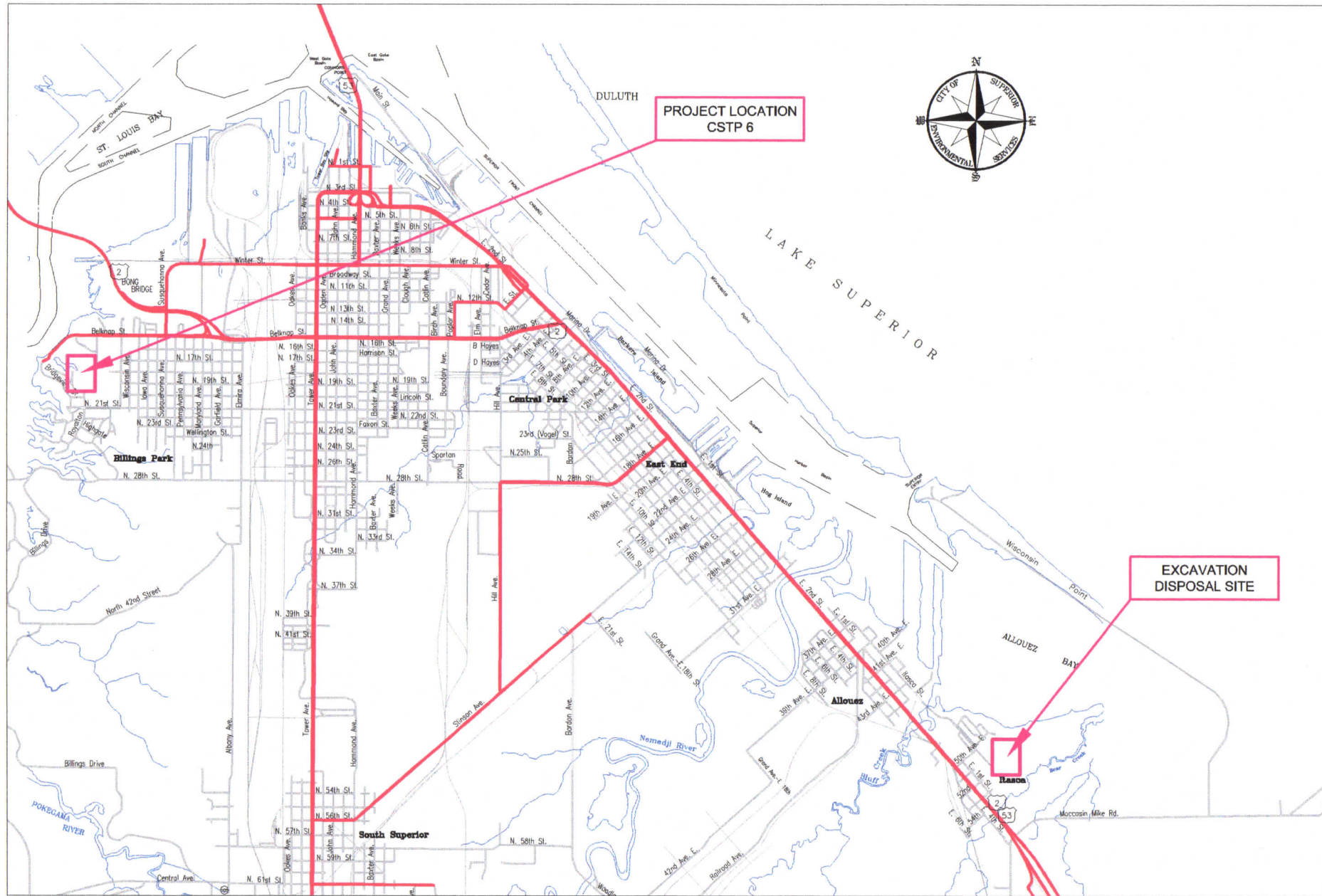


CSTP 6 SPILLWAY MODIFICATION

CONSTRUCTION PLANS FOR MODIFYING COMBINED SEWAGE TREATMENT PLANT 6 (CSTP 6) SPILLWAY
 EXISTING SPILLWAY TO BE LOWERED TO ELEVATION 620.00 AND EXISTING 24" EMERGENCY OVERFLOW PIPE TO BE ABANDONED
 LOCATION: 1800 BLOCK OF TEXAS AVENUE BILLINGS PARK
 SUPERIOR, WISCONSIN



INDEX OF SHEETS

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PROJECT LOCATION.....	2
ESTIMATED QUANTITIES.....	3
PROJECT OVERVIEW.....	4
EROSION CONTROL.....	5
EROSION CONTROL NOTES.....	6
PLAN AND PROFILE.....	7
CROSS SECTIONS.....	8
TYPICALS.....	9

— TRUCK ROUTES

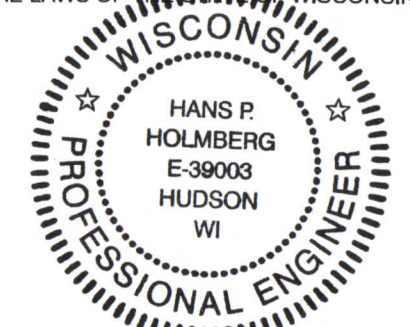
THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

FOR FIELD LOCATES
 CALL: 1.800.242.8511
 WWW.DIGGERSHOTLINE.COM
 GOVERNING SPECIFICATIONS:
 Wisconsin, Department of Transportation, Standard Specifications for Highway and Structure Construction, Current Edition (2017)

AS BUILT
SPILLWAY CONSTRUCTION COMPLETED IN DECEMBER 2017.
RESTORATION AND VEGETATION COMPLETED IN 2018.

I HERBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF WISCONSIN

STAMP:

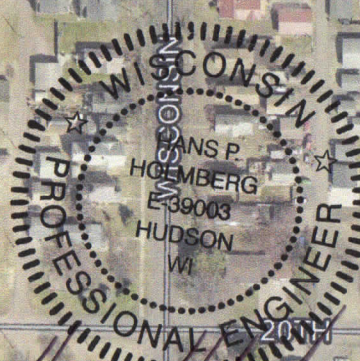


CITY OF SUPERIOR
 DEPARTMENT OF PUBLIC WORKS
 ENVIRONMENTAL SERVICES DIVISION

PREPARED BY
 PLANS CARTER CARPENTER

APPROVED FOR THE DEPARTMENT
 DATE 7/24/2017
 SIGNATURE Hans Holmberg
 (HANS HOLMBERG)
 LIC. NO. E-39003-006

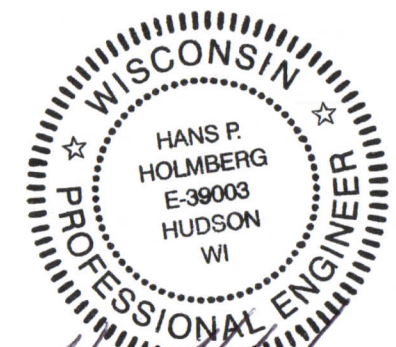
REVISIONS	
DATE	BY



Hans P. Hemberg
7/24/17

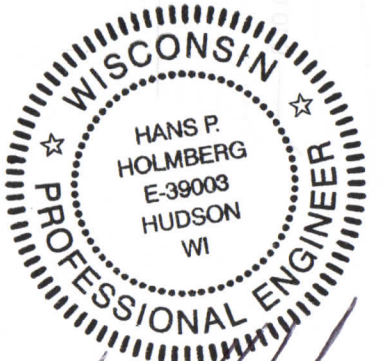
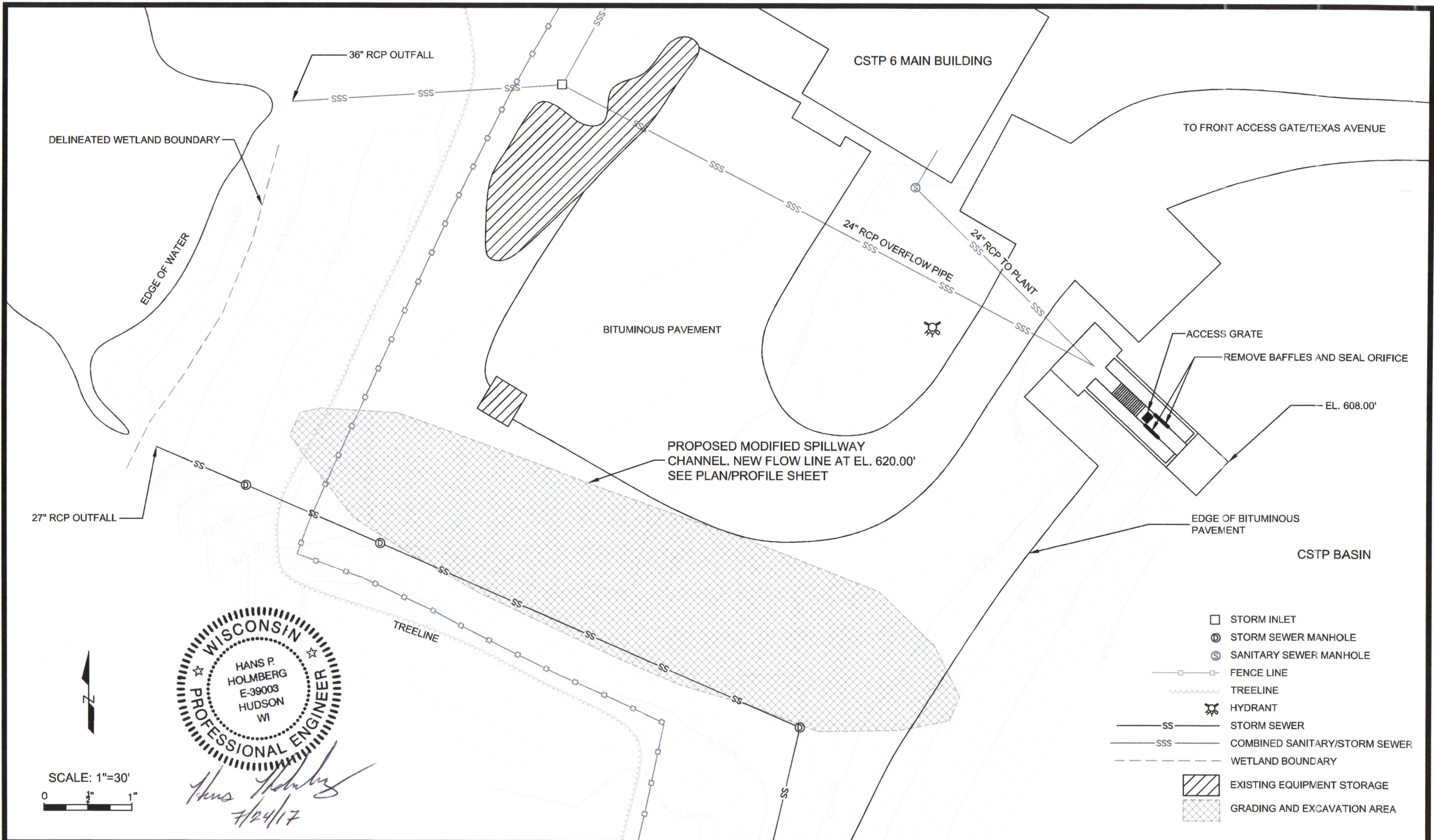
CSTP 6 SPILLWAY MODIFICATION STATEMENT OF ESTIMATED QUANTITIES				
BID ITEM	NOTES	DESCRIPTION	UNIT	QUANTITY
201.0110		CLEARING	SY	27
201.0210		GRUBBING	SY	27
204.0110		REMOVING ASPHALTIC SURFACE	SY	17
205.0100		EXCAVATION COMMON (IN PLACE VOLUME)	CY	1365
616.0408		FENCE CHAIN LINK SALVAGED 8-FT	LF	70
619.1000		MOBILIZATION	EACH	1
625.0105	1	TOPSOIL	CY	140
628.1504	3	SILT FENCE	LF	235
628.2023		EROSION MAT CLASS II TYPE B	SY	1257
628.7005	3	INLET PROTECTION TYPE A	EACH	1
628.7504		TEMPORARY DITCH CHECKS	LF	12
628.7560		TRACKING PADS	EACH	1
630.0110		SEEDING MIXTURE NO. 10	LB	17
690.0150		SAWING ASPHALT	LF	32
SPV.0060.02	2	WEIR SKIMMER	LS	1
SPV.0105.01		CONSTRUCTION STAKING	LS	1

NOTES	
1	PLACED AT 4" DEPTH
2	INCLUDES ENTIRE STRUCTURE INSTALLATION (CONCRETE, POSTS, BOARDS, AND FASTENERS)
3	INCLUDES MAINTENANCE OF EROSION CONTROL MEASURES



Hans Holmberg
7/24/17



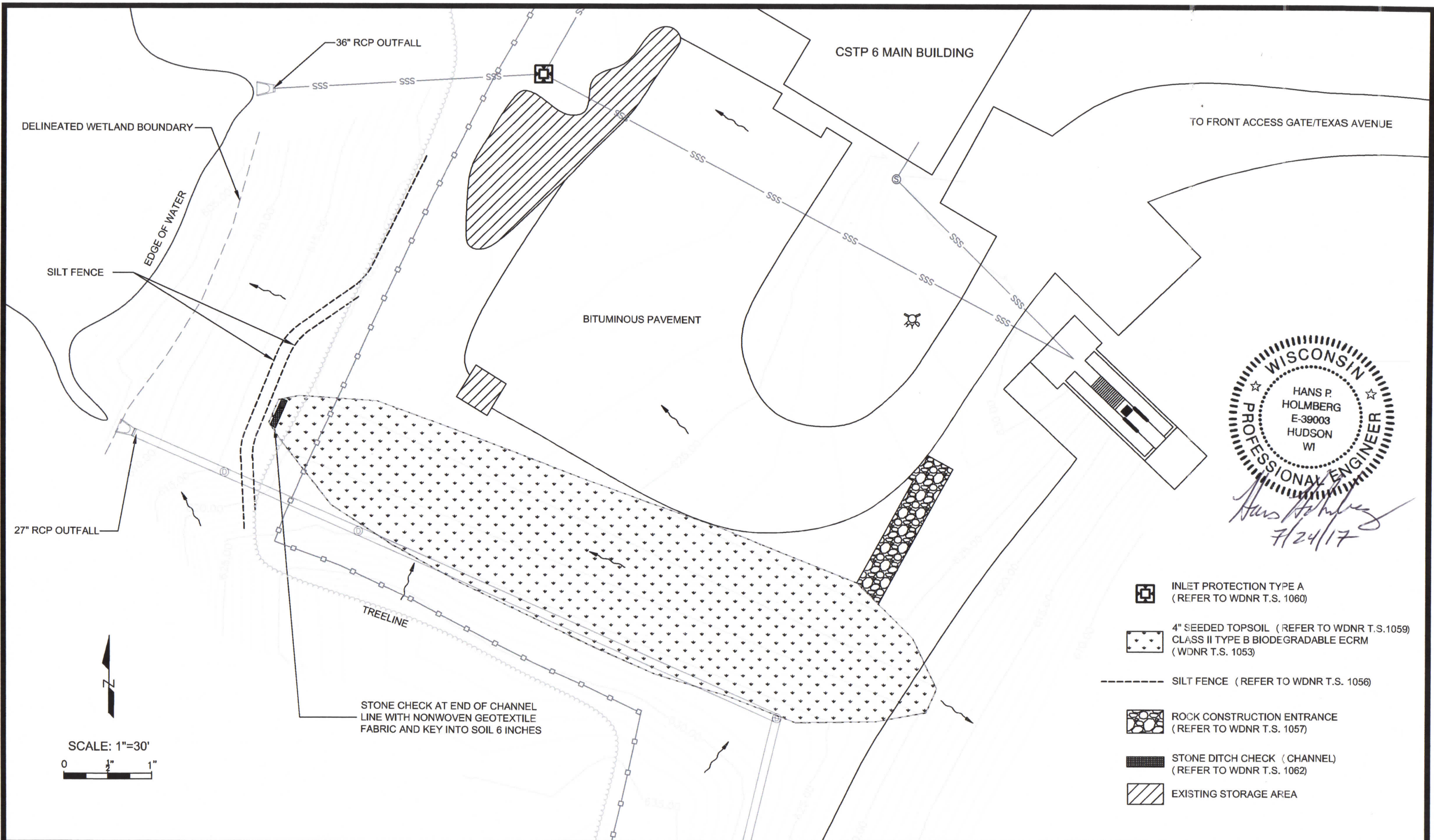


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






SCALE: 1"=30'
0 1/2 1"

- STORM INLET
- ⊙ STORM SEWER MANHOLE
- ⊙ SANITARY SEWER MANHOLE
- FENCE LINE
- ~ TREELINE
- ⊙ HYDRANT
- SS — STORM SEWER
- SSS — COMBINED SANITARY/STORM SEWER
- - - WETLAND BOUNDARY
- ▨ EXISTING EQUIPMENT STORAGE
- ▩ GRADING AND EXCAVATION AREA



Hans Holmberg
7/24/17


-  INLET PROTECTION TYPE A (REFER TO WDNR T.S. 1060)
-  4" SEEDED TOPSOIL (REFER TO WDNR T.S.1059)
CLASS II TYPE B BIODEGRADABLE ECRM (WDNR T.S. 1053)
-  SILT FENCE (REFER TO WDNR T.S. 1056)
-  ROCK CONSTRUCTION ENTRANCE (REFER TO WDNR T.S. 1057)
-  STONE DITCH CHECK (CHANNEL) (REFER TO WDNR T.S. 1062)
-  EXISTING STORAGE AREA

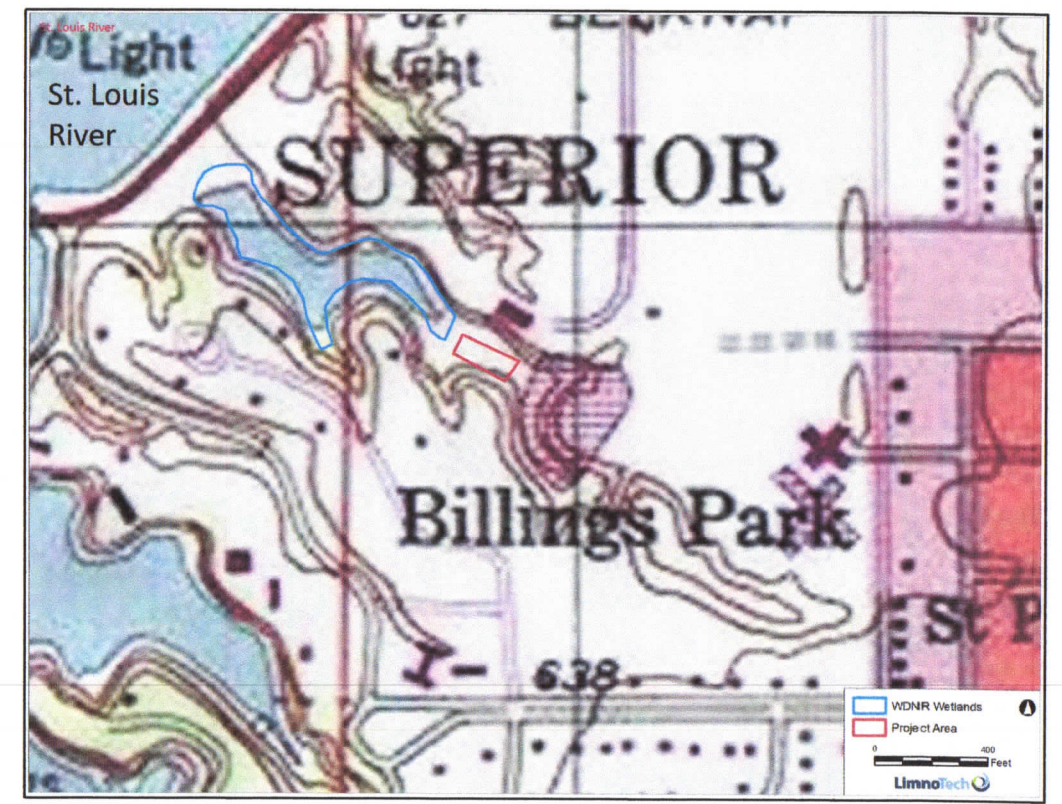
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0 1/2" 1"

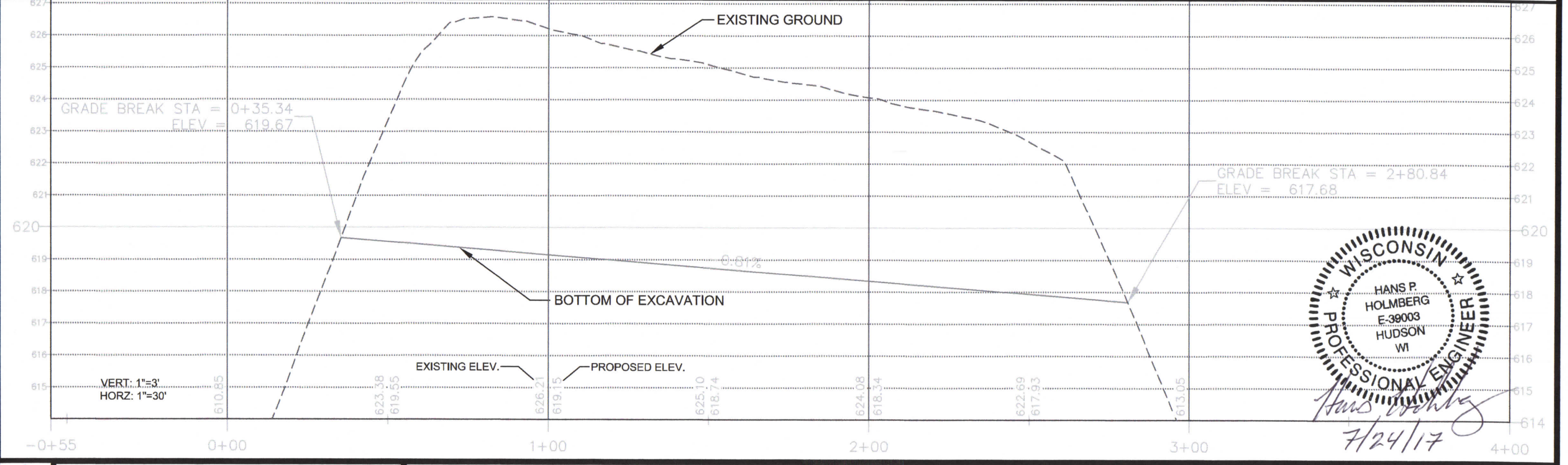
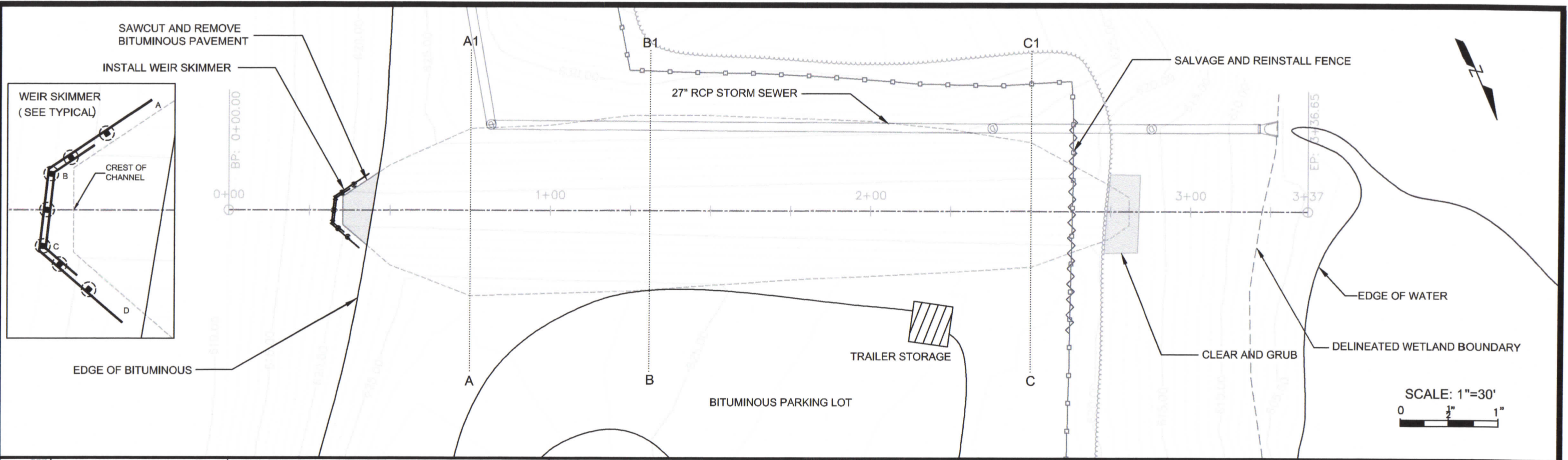
EROSION CONTROL NOTES

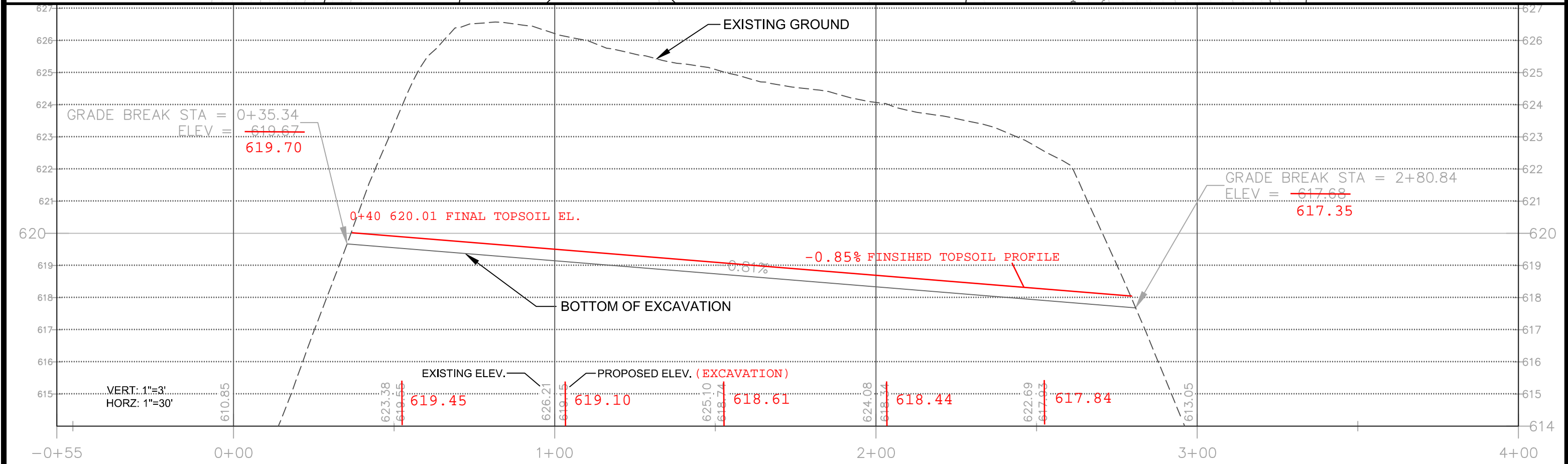
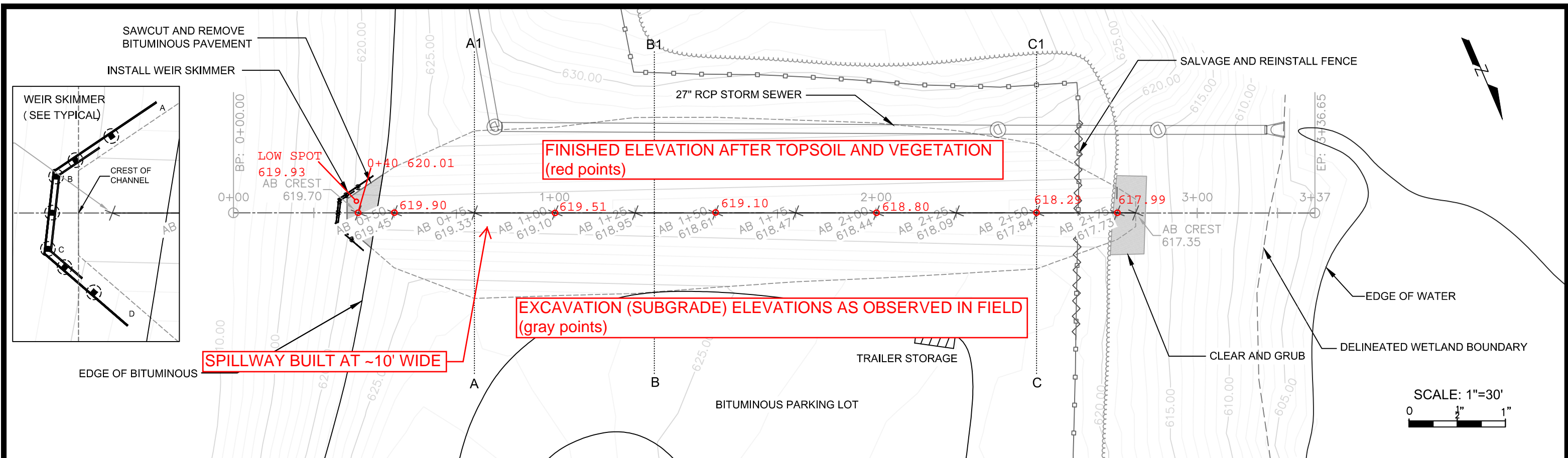
1. THE PROJECT IS IN CLOSE PROXIMITY TO SENSITIVE WATERS AND EROSION AND SEDIMENT CONTROL BMPS ARE REQUIRED AT ALL TIMES.
2. CONTRACTOR SHALL SUBMIT A SPILL PREVENTION AND RESPONSE PLAN TO THE ENGINEER PRIOR TO ANY WORK OR EQUIPMENT BEING BROUGHT ON-SITE.
3. EROSION CONTROL PRACTICES AND INLET PROTECTION SHALL BE INSTALLED PRIOR TO LAND DISTURBING ACTIVITIES.
4. CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL PRACTICES. WHEN SEDIMENT REACHES 1/3 THE HEIGHT OF THE SILT FENCE, CONTRACTOR SHALL REMOVE ALL SEDIMENT.
5. CONTRACTOR SHALL PROVIDE A SCHEDULE TO THE ENGINEER AT THE BEGINNING OF THE PROJECT. THE SCHEDULE SHALL DETAIL THE TIMING AND SEQUENCE OF MAJOR ACTIVITIES, INCLUDING LAND DISTURBANCE AND GRADING ACTIVITIES.
6. TEMPORARY SOIL STOCKPILES REQUIRE PERIMETER CONTROL TO MINIMIZE SEDIMENT LOSS.
7. CONTRACTOR SHALL PREVENT TRACKING OF SEDIMENT FROM THE CONSTRUCTION SITE ONTO ROADS AND PAVED SURFACES. CONTRACTOR SHALL REMOVE TRACKED SEDIMENTS FROM ROADS AND PAVED SURFACES IMMEDIATELY UPON DISCOVERY.
8. CONTRACTOR IS RESPONSIBLE FOR REMOVING ANY SEDIMENT THAT IS LOST OFF-SITE.
9. VEHICLE AND WHEEL WASHING WILL NOT BE ALLOWED ON SITE. VEHICLE MAINTENANCE WILL NOT BE ALLOWED ON SITE.
10. CONTRACTOR SHALL INSTALL PERMANENT STABILIZATION ON THE SITE WITHIN 3 DAYS OF COMPLETION OF THE WORK.
11. STORAGE OF CHEMICALS, CEMENT, AND OTHER COMPOUNDS AND MATERIALS CANNOT BE STORED ON-SITE UNLESS STORED IN APPROVED ENCLOSURE.
12. DISPOSAL OF DEMOLITION AND OTHER BUILDING MATERIALS SHALL BE OFF-SITE AT THE CONTRACTORS EXPENSE.
13. THE CITY OF SUPERIOR WILL BE RESPONSIBLE FOR THE IMPLEMENTATION AND MAINTENANCE OF THE EROSION PLAN AND BMPS.
14. THE CITY OF SUPERIOR WILL BE RESPONSIBLE FOR INSPECTIONS AND MAINTENANCE OF ALL EROSION CONTROL BMPS.
15. THE CITY OF SUPERIOR WILL BE RESPONSIBLE FOR MAINTAINING RECORDS OF THE IMPLEMENTATION, INSPECTION, AND MAINTENANCE OF ALL EROSION CONTROL BMPS.
16. THE EROSION CONTROL PLAN AND ALL RECORDS SHALL BE KEPT ON-SITE FOR THE DURATION OF THE PROJECT.
17. INSTALL ALL BMPS AS SPECIFIED IN THE WDNR TECHNICAL STANDARDS (T.S.) FOUND AT:
[HTTP://DNR.WI.GOV/TOPIC/STORMWATER/STANDARDS/CONST_STANDARDS.HTML](http://DNR.WI.GOV/TOPIC/STORMWATER/STANDARDS/CONST_STANDARDS.HTML)

CHANNEL EROSION MAT	T.S. 1053
SILT FENCE	T.S. 1056
STONE TRACKING PAD	T.S. 1057
SEEDING	T.S. 1059
INLET PROTECTION	T.S. 1060
DITCH CHECKS	T.S. 1062 (FIGURE 2)
18. ON SITE SOILS CONSIST OF CLAY.
19. THE PROJECT SITE WILL DISCHARGE TO A WETLAND, WHICH DISCHARGES TO THE ST. LOUIS RIVER. THE ST. LOUIS RIVER IS IMPAIRED FOR DDT, DIELDRIN, DIOXIN, MERCURY, PCB, AND TOXAPHENE. THE PROJECT WILL NOT CAUSE OR CONTRIBUTE TO ANY OF THE LISTED IMPAIRMENTS. THERE ARE NO WLA'S FOR CONSTRUCTION SITES RELATED TO THESE IMPAIRMENTS.
20. SINCE THE ENTIRE PROJECT AREA IS LESS THAN ONE ACRE, THE PROJECT IS EXEMPT FROM PERMANENT STORMWATER MANAGEMENT REQUIREMENTS. THE PROJECT WILL NOT RESULT IN A NEW OR EXPANDED DISCHARGE. HOWEVER, THE PROJECT INHERENTLY CONTAINS PERMANENT STORMWATER MANAGEMENT FEATURES. THE PERMANENT STORMWATER MANAGEMENT PLAN FOR THE SITE CONSISTS OF THE FOLLOWING ELEMENTS:
 - A. THE EXISTING IMPERVIOUS SURFACE WITHIN THE CONSTRUCTION LIMITS IS 0.00 ACRES. THE POST-CONSTRUCTION IMPERVIOUS SURFACE WITHIN THE CONSTRUCTION LIMITS WILL BE 0.00 ACRES. PEAK DISCHARGE WILL NOT CHANGE BETWEEN PRE AND POST CONSTRUCTION.
 - B. THE SITE IS CURRENTLY COVERED WITH VEGETATION. PERMANENT VEGETATION WILL BE REESTABLISHED FOLLOWING EXCAVATION OF THE SWALE.
 - C. PERMANENT VEGETATION WILL BE ESTABLISHED OVER THE ENTIRE SITE. THE PERMANENT VEGETATION WILL MINIMIZE EROSION BY BINDING UP SOILS AND WILL CAPTURE SEDIMENT FROM OFF-SITE RUNOFF.
21. THE CITY OF SUPERIOR WILL PERFORM PERIODIC SITE INSPECTIONS TO EVALUATE THE VEGETATION AND LOOK FOR EROSION ISSUES. VEGETATION AND EROSION ISSUES WILL BE CORRECTED AS NEEDED.


Hans Holmberg
 7/24/17

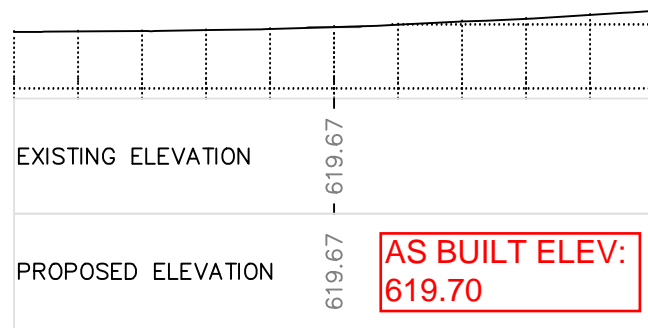




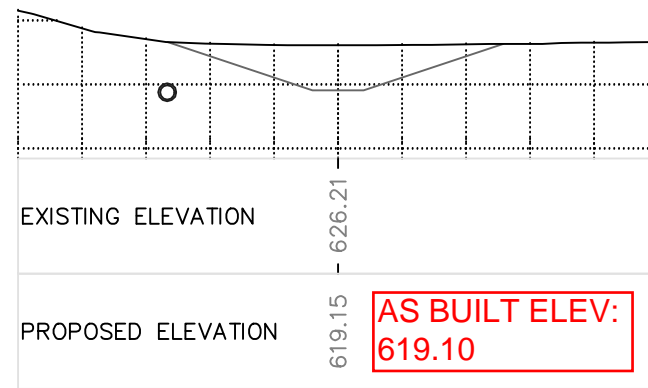


**AS BUILT CL EXCAVATION ELEVATION.
NOT INCLUDING TOPSOIL.**

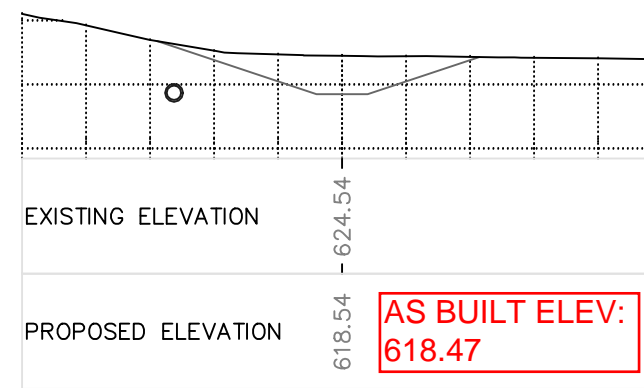
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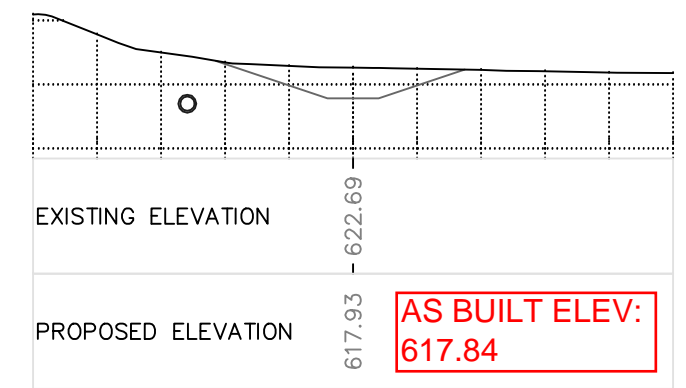
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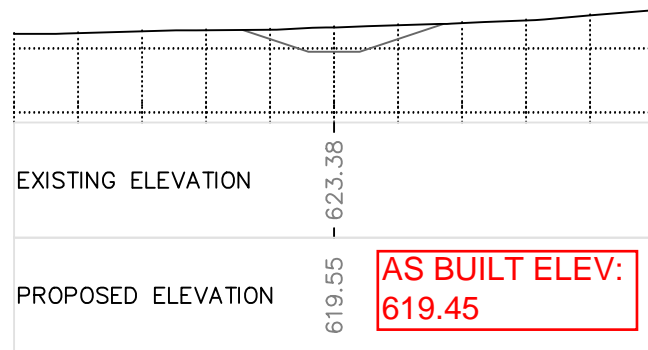
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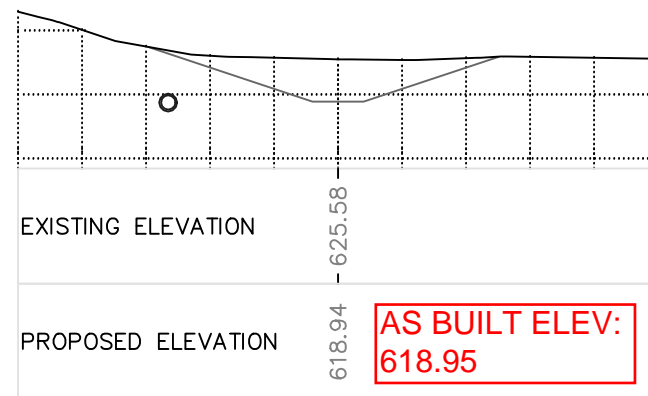
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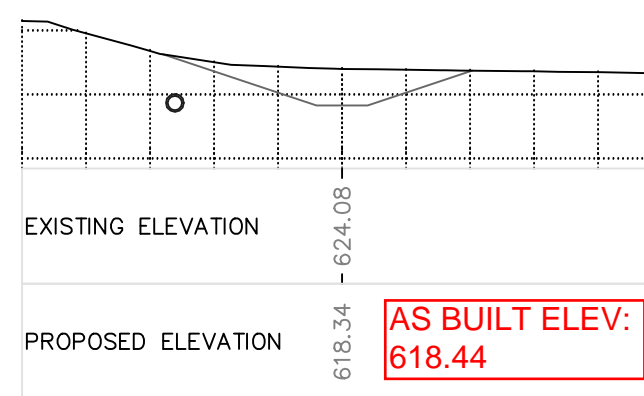
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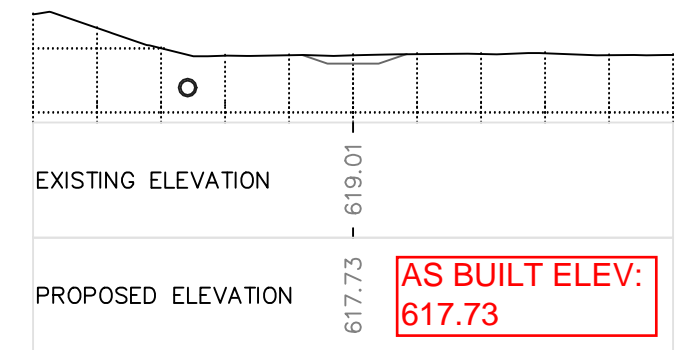
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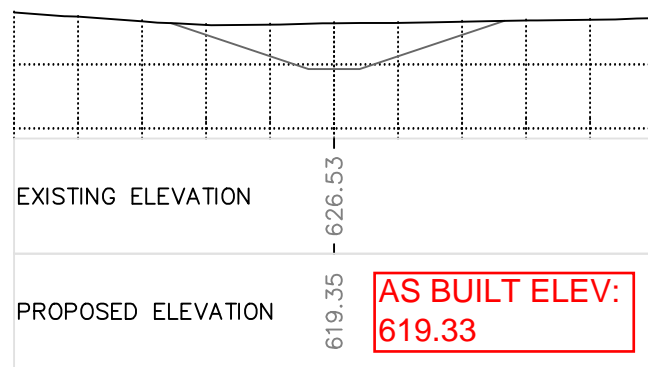
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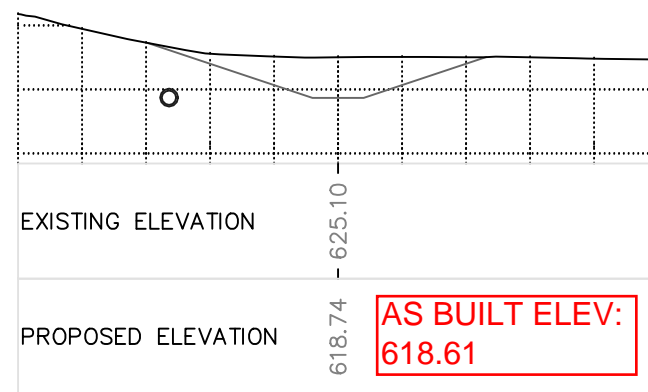
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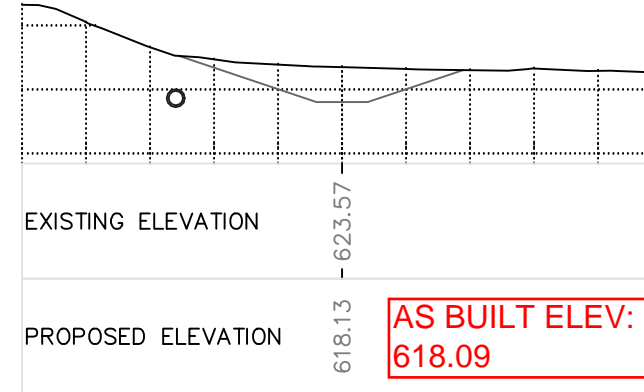
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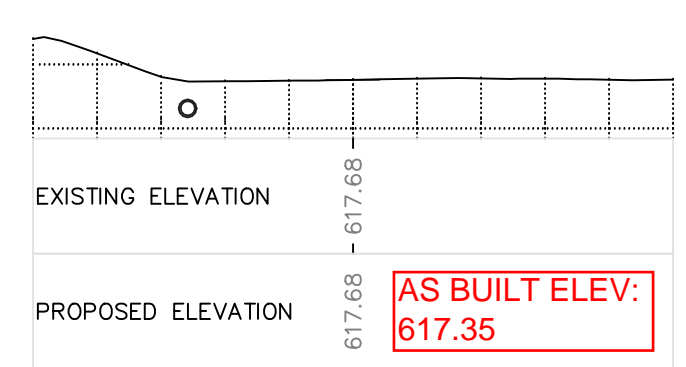
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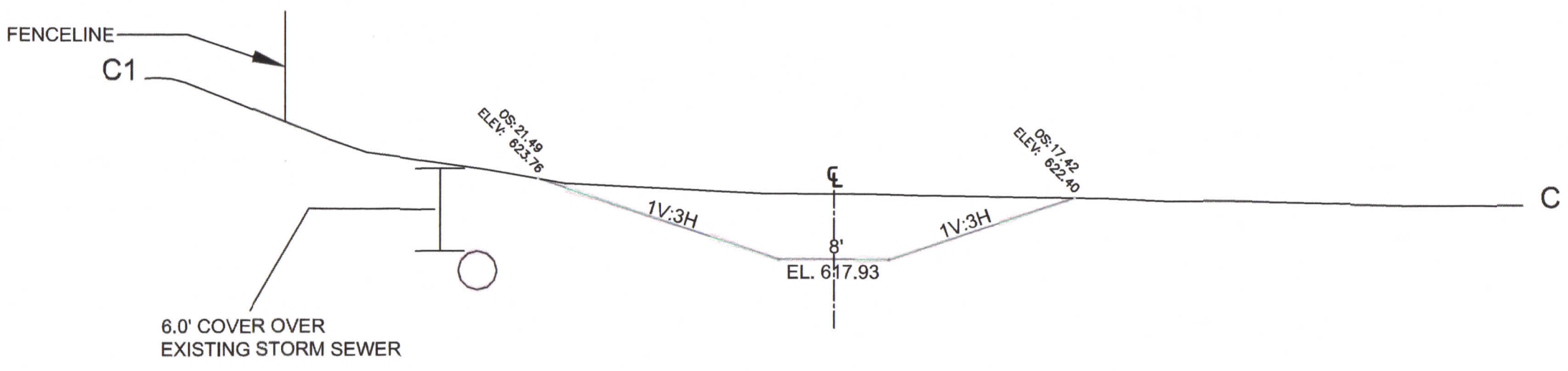
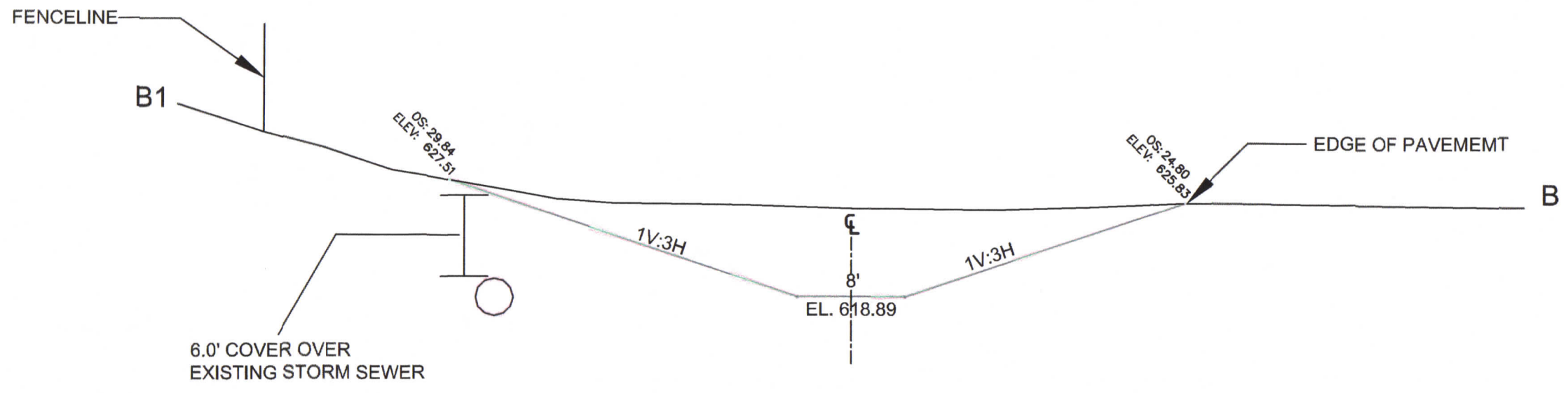
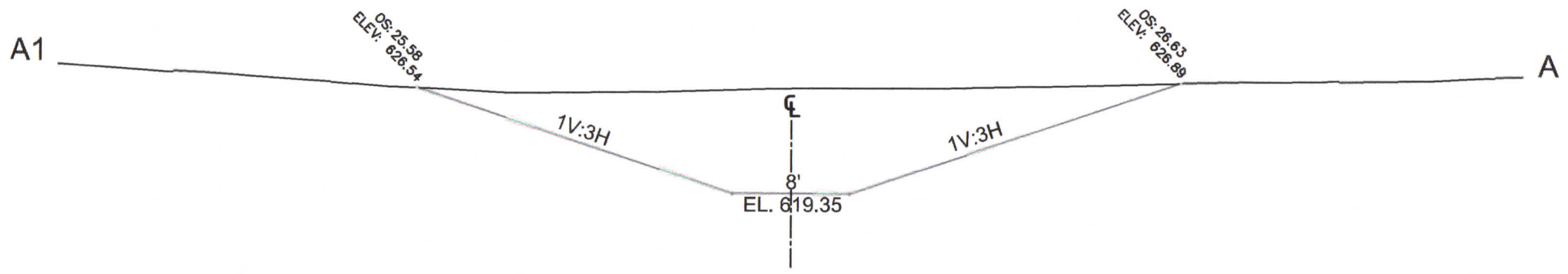


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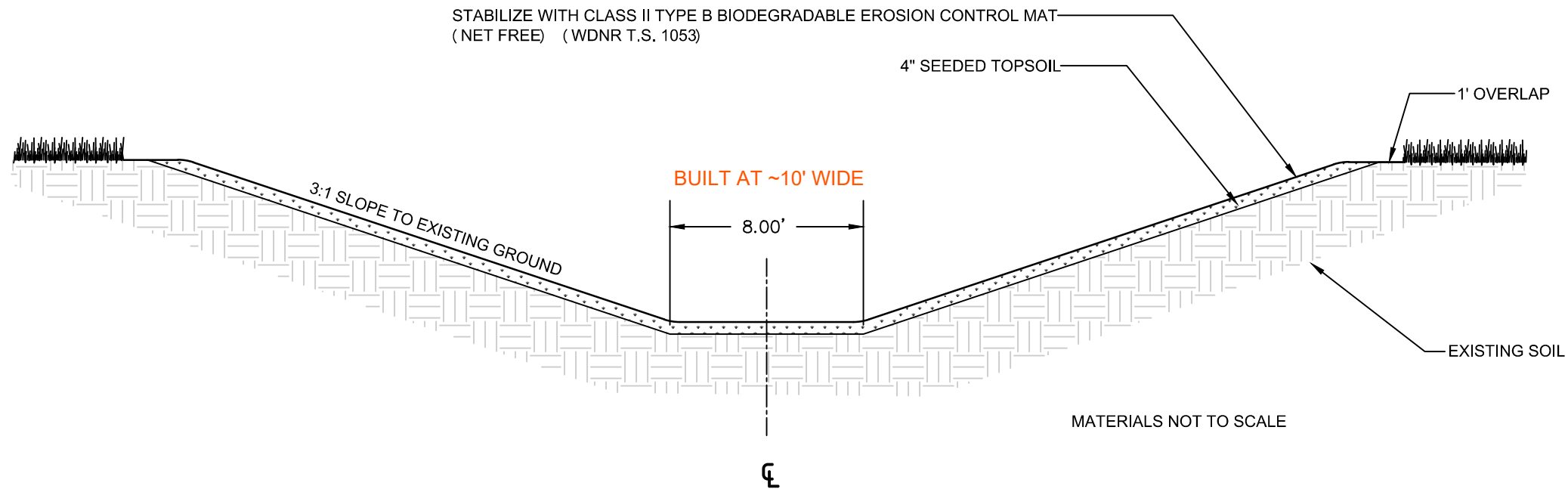
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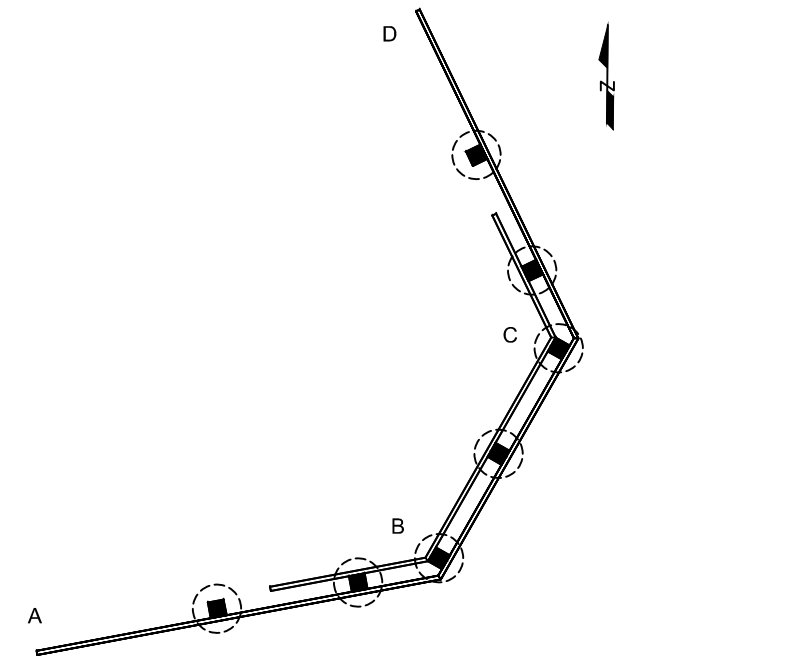


WISCONSIN
 HANS P. HOLMBERG
 E-39003
 HUDSON
 WI
 PROFESSIONAL ENGINEER
Hans Holmberg
 7/24/17

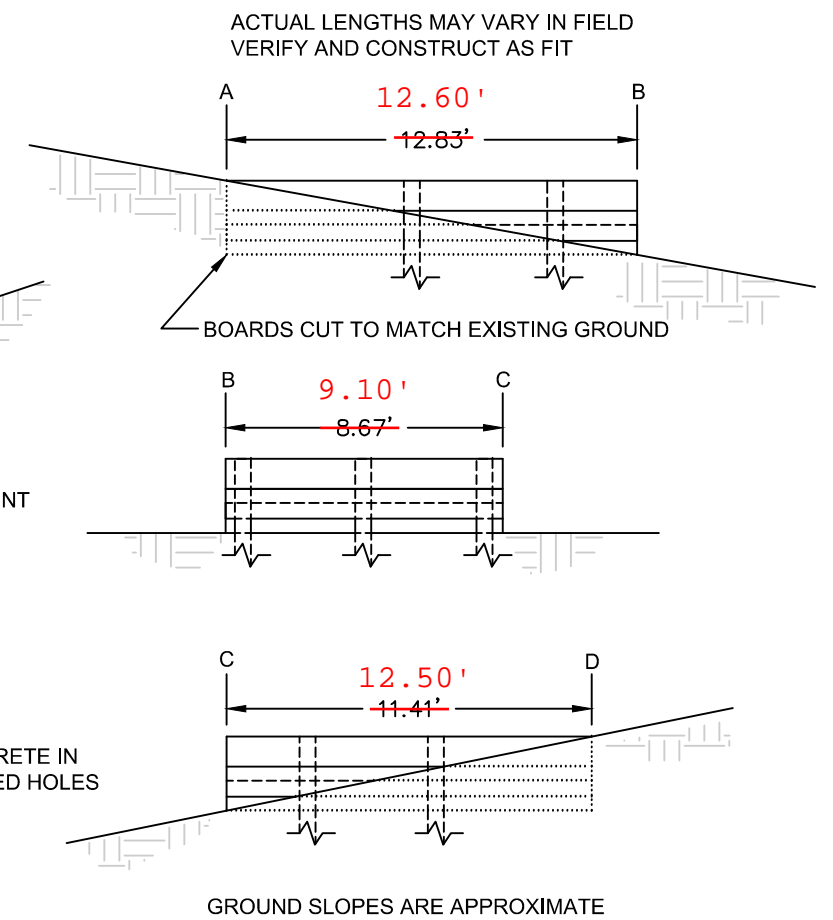
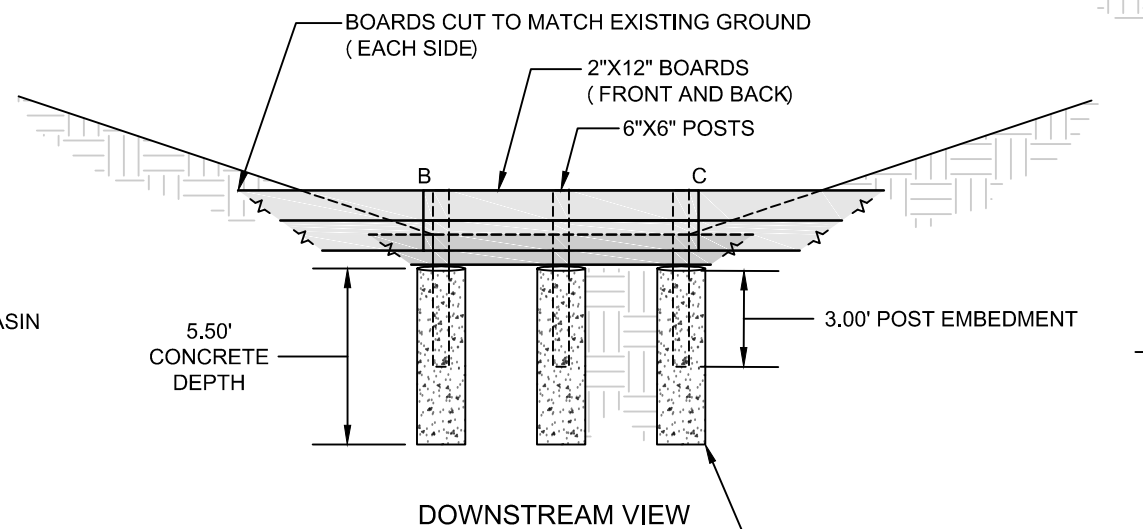
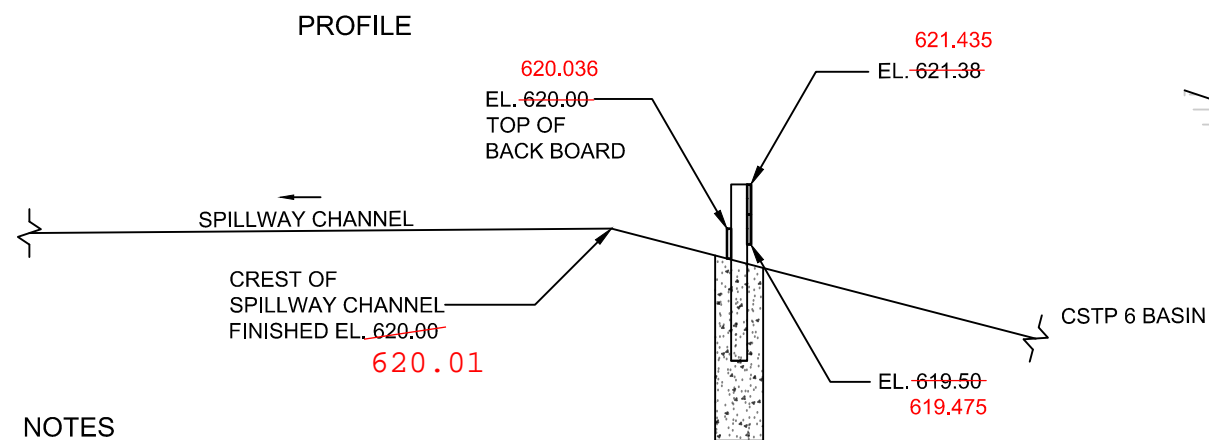
TYPICAL SECTION SPILLWAY CHANNEL



WEIR SKIMMER



AS BUILT WEIR SKIMMER. ELEVATIONS OBSERVED IN FIELD DURING LUMBER INSTALLATION ON 12/01/2017



NOTES

1. ALL POSTS ARE 6"X6" PRESSURE TREATED LUMBER
2. ALL BOARDS ARE 2"X12" PRESSURE TREATED LUMBER (ACTUAL BOARD DIMENSION 1.5"X11.25")
3. SUPPORT POST CONCRETE IS TO BE AIR ENTRAINED
4. USE 5/8 INCH GALVANIZED BOLTS AND NUTS (FASTENERS)
5. CUT EDGES TO FIT AT 2"X12" BOARD JUNCTIONS. USE GALVANIZED SCREWS TO FASTEN EDGES TOGETHER