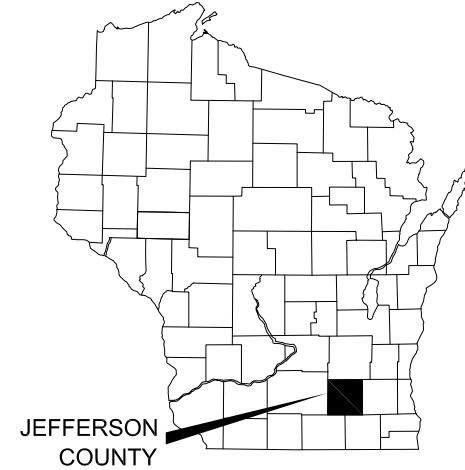


ROCK RIVERWALK - PHASE I WATERTOWN, WI 90% REVIEW



JEFFERSON
COUNTY

COUNTY MAP
NTS



SHEET INDEX	
SHEET NO	SHEET TITLE
G-1	TITLE SHEET
G-2	LEGEND
G-3	GENERAL PROJECT NOTES
G-4	PROJECT OVERVIEW
EC-1	EROSION CONTROL NOTES
EC-2	EROSION CONTROL PLAN
PP-1	PLAN AND PROFILE
PP-2	PLAN AND PROFILE
LS-1	LANDSCAPE PLAN
LS-2	LANDSCAPE PLAN
XS-1	CROSS SECTIONS
XS-2	CROSS SECTIONS
XS-3	CROSS SECTIONS
XS-4	CROSS SECTIONS
XS-5	CROSS SECTIONS
XS-6	CROSS SECTIONS
XS-7	CROSS SECTIONS
XS-8	CROSS SECTIONS
D-1	EROSION CONTROL DETAILS
D-2	CIVIL DETAILS
D-3	LANDSCAPE DETAILS
D-4	LANDSCAPE DETAILS
D-5	LANDSCAPE DETAILS
D-6	LANDSCAPE DETAILS
D-7	LANDSCAPE DETAILS
D-8	LANDSCAPE DETAILS
ST-1	RETAINING WALL PLAN
ST-2	NOTES AND DETAILS
ST-3	SUBSURFACE EXPLORATION PLAN
ST-4	SUBSURFACE EXPLORATION BORING LOGS
ST-5	SUBSURFACE EXPLORATION BORING LOGS
ST-6	WALL DETAILS AND NOTES
ST-7	WALL DETAILS
ST-8	WALL DATA TABLES
ST-9	WALL DETAILS AT BOAT LAUNCH & EXIST. WINGWALL
ST-10	OVERLOOK FOUNDATION DETAILS
ST-11	OVERLOOK SLAB DETAILS
ST-12	OVERLOOK FOUNDATION DETAILS
E-1	PROPOSED SITE ELECTRICAL PLAN
E-2	PROPOSED SHELTER LIGHTING PLAN
E-3	ELECTRICAL DETAILS

UTILITY CONTACTS

GAS
WE ENERGIES
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WEST ALLIS, WI 53214
ATTN: MATTHEW FEHLER
OFFICE: 414-944-5646
EMAIL: MATTHEW.FEHLER@WE-ENERGIES.COM

ELECTRIC
WE ENERGIES
500 SOUTH 116TH STREET - WAOC
WEST ALLIS, WI 53214
ATTN: ERICH WUESTENHAGEN
OFFICE: 414-944-5765
EMAIL: ERICH.WUESTENHAGEN@WE-ENERGIES.COM

CABLE & INTERNET
CHARTER COMMUNICATIONS
N3760 CTH DJ
JUNEAU, WI 53039
ATTN: RONALD FRASE
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EMAIL: RONDALD.FRASE@CHARTER.COM

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2005 PEWAUKEE ROAD
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ATTN: ALPER KOLCU
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EMAIL: AK308X@ATT.COM

WATER & WASTEWATER
CITY OF WATERTOWN
800 HOFFMANN DRIVE
WATERTOWN, WI 53094
ATTN: KEVIN FREBER
OFFICE: 920-262-4085
EMAIL: KEVIN.FREBER@CI.WATERTOWN.WI.US

DIGGERS HOTLINE
1-800-242-8511 OR 811



ROCK RIVERWALK - PHASE I
WATERTOWN, WI



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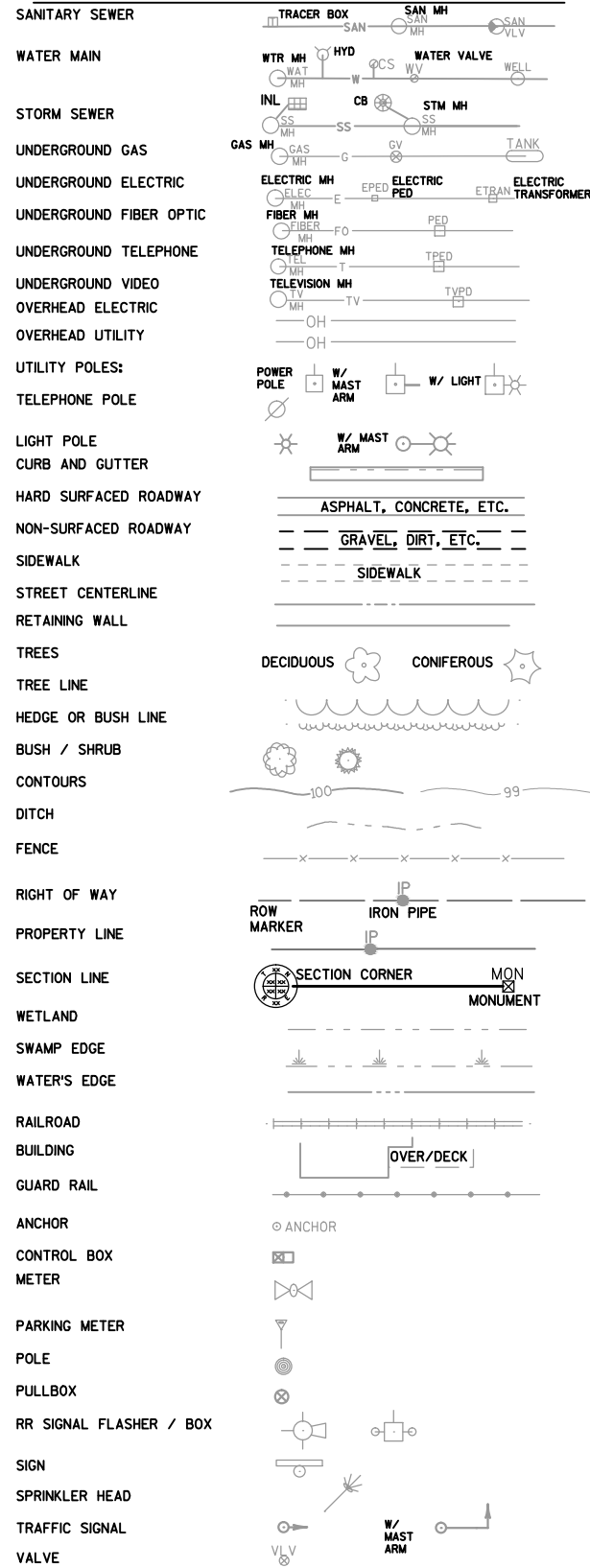
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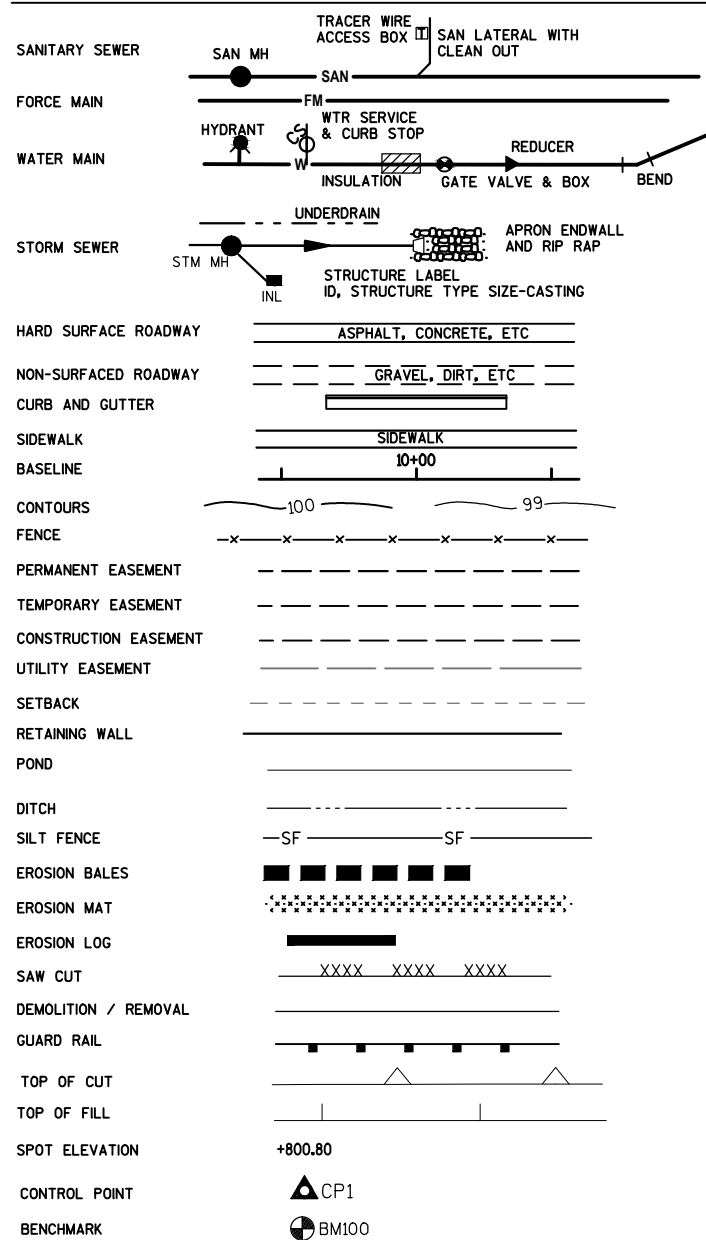
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EXISTING



NEW



ABBREVIATIONS:

AB	ANCHOR BOLT	DEFL	DEFLECTION	ID	INSIDE DIAMETER	PC	POINT OF CURVE	T&B	TOP & BOTTOM
ABV	ABOVE	DEG	DEGREE	IF	INSIDE FACE	PE	PRIVATE ENTRANCE	TC	TOP BACK OF CURB
ADJ	ADJUST	DF	DRINKING FOUNTAIN	IN	INCHES	PED	PEDESTAL	TELE	TELEPHONE
AFF	ABOVE FINISHED FLOOR	DI	DUCTILE IRON	INCL	INCLUDE	PERF	PERFORATE	THK	THICKNESS
AL	ALUMINUM	DIA	DIAMETER	INF	INFLENT	PI	POINT OF INTERSECTION	THRU	THROUGH
ALT	ALTERNATE WITH	DIM	DIMENSION	INL	INLET	PKG	PARKING	TP	TELEPHONE POLE
ALT/	ALTERNATE	DISCH	DISCHARGE	INSUL	INSULATION	P	PLATE	TYP	TYPICAL
APPROX	APPROXIMATE	DN	DOWN	INT	INTERIOR	PL	PLACE	T/	TOP OF
ASPH	ASPHALT	DP	DEPTH	INV	INVERT	PL R	PROPERTY LINE		
AUTO	AUTOMATIC	DR	DOOR	IP	IRON PIPE	PP	POWER POLE	UG	UNDERGROUND GAS
AVE	AVENUE	DTL	DETAIL	IPS	IRON PIPE SIZE	PSF	POUNDS PER SQUARE FOOT	UE	UNDERGROUND ELECTRICAL
e	AT	DW	DRIVEWAY	JT	JOINT	PSI	POUNDS PER SQUARE INCH	UNEXC	UNEXCAVATED
		DWG	DRAWING	KGV	KNIFE GATE VALVE	PT	POINT OF TANGENCY	UNO	UNLESS NOTED OTHERWISE
B CRS	BASE COURSE	E	EAST	LAB	LABORATORY	PV	PLUG VALVE	USH	UNITED STATES HIGHWAY
BC	BACK OF CURB	EA	EACH	LAV	LAVATORY	PVC	POLYVINYL CHLORIDE	UT	UNDERGROUND TELEPHONE
BD	BOARD	EAF	EACH FACE	LC	LENGTH OF CURVE	PVMT	PAVEMENT	UV	UNDERGROUND VIDEO
BEL	BELOW	EJ	EXPANSION JOINT	LF	LINEAL FEET	PW	POTABLE WATER		
BETWN	BETWEEN	EL	ELEVATION	LG	LENGTH	%	PERCENT	V	VALVE
BF	BACK FACE	ELB	ELBOW	LOC	LOCATION	QTY	QUANTITY	V&B	VALVE & BOX
BFV	BUTTERFLY VALVE	ELEC	ELECTRICAL	LP	LIGHT POLE	RAD	RADIUS	VAR	VARIABLE
BIT	BITUMINOUS	EQ	EQUAL	LR	LONG RADIUS	RCP	REINFORCED CONCRETE PIPE	VER	VERTICAL
BLD	BLIND	EQUIP	EQUIPMENT	LS	LUMP SUM	RD	ROAD	VC	VERTICAL CURVE
BLDG	BUILDING	ER	END OF RADIUS	LT	LEFT	RDWY	ROADWAY	W	WEST
BLK	BLOCK	EST	ESTIMATE	MAS	MASONRY	W/	WITH	W/O	WITHOUT
BLKG	BLOCKING	EW	EACH WAY	MAX	MAXIMUM	RDWY	ROADWAY	WD	WIDTH
BLVD	BOULEVARD	EW	ELECTRIC WATER COOLER	MECH	MECHANICAL	RED	REDUCER	WM	WATER MAIN
BM	BENCHMARK	EX	EXISTING	MFG	MANUFACTURER	REF	REFERENCE	WS	WATER SURFACE
BO	BREAKOFF	EXH	EXHAUST	MH	MANHOLE	REINF	REINFORCING	WTP	WATER TREATMENT PLANT
BRG	BEARING	EXP	EXPANSION	MIN	MINIMUM	REM	REMOVE	WTR	WATER
BRK	BRICK	EXT	EXTERIOR	MISC	MISCELLANEOUS	REPL	REPLACE	WWF	WELDED WIRE FABRIC
BS	BACK OF SIDEWALK	FD	FLOOR DRAIN	MJ	MECHANICAL JOINT	REQD	REQUIRED	WWM	WOVEN WIRE MESH
BTM	BOTTOM	FDN	FOUNDATION	MP	MID POINT	REV	REVISED	WWTP	WASTEWATER TREATMENT PLANT
BV	BALL VALVE	FERT	FERTILIZER	MTL	MATERIAL	RM	ROOM		
B/	BASELINE	F-F	FACE TO FACE	N	NORTH	RR	RAILROAD		
B/	BOTTOM OF	FGL	FIBERGLASS	NF	NEAR FACE	RT	RIGHT		
C&G	CURB AND GUTTER	FIN	FINISHED	NTS	NOT TO SCALE	RW	RIGHT OF WAY		
CB	CATCH BASIN	FL	FLOWLINE			S	SOUTH		
CF	CUBIC FOOT	FLG	FLANGED			SAN	SANITARY		
CHKD P	CHECKED PLATE	FLR	FLOOR			SAMH	SANITARY MANHOLE		
CJ	CAST IRON	FM	FORCE MAIN			SCH	SCHEDULE		
CI	CONTROL JOINT	FN	FENCE			SEC	SECTION		
CL	CENTERLINE	FT	FOOT			SF	SQUARE FOOT		
CL C	CENTERLINE	FTG	FOOTING			SHT	SHEET		
CHL	CHLORINE	FUT	FUTURE			SIM	SIMILAR		
CLG	CEILING	G	GAS			SL	SLOPE		
CLR	CLEAR	GA	GAGE			SPA	SPACE		
CMP	CORRUGATED METAL PIPE	GAR	GARAGE			SPEC	SPECIFICATION		
CMU	CONCRETE MASONRY UNIT	GEN	GENERAL			SQ	SQUARE		
CO	CLEANOUT	GRD	GRADE, GROUND			SS	STAINLESS STEEL		
CONC	CONCRETE	GV	GATE VALVE			SSMH	STORM SEWER MANHOLE		
CONN	CONNECTION	GRV	GRAVEL			ST	STREET		
CONST	CONSTRUCTION	GW	GROUNDWATER			STD	STANDARD		
CONST JT	CONSTRUCTION JOINT	HB	HOSE BIB			STH	STATE TRUNK HIGHWAY		
CONT	CONTINUOUS	HM	HOLLOW METAL			STL	STEEL		
CONTR	CONTRACTOR	HORZ	HORIZONTAL			STM	STORM		
CONTR JT	CONTRACTION JOINT	HSE	HOUSE			STP	SEWAGE TREATMENT PLANT		
COR	CORNER	HT	HEIGHT			SURF	SURFACE		
CP	CONTROL POINT	HW	HOT WATER			SW	SIDEWALK		
CPLG	COUPLING	HWR	HOT WATER RETURN			SWR	SEWER		
CRS	COURSE	HYD	HYDRANT			SY	SQUARE YARD		
CSP	CORRUGATED STEEL PIPE					SYS	SYSTEM		
CTG	CASTING								
CTH	COUNTY TRUNK HIGHWAY								
CULV	CULVERT								
CV	CHECK VALVE								
CW	COLD WATER								
CY	CUBIC YARD								



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**ROCK RIVERWALK - PHASE I
WATERTOWN, WI**



LEGEND

GENERAL PROJECT NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING PROPERTY IRONS. PROPERTY IRONS REMOVED OR DISTURBED DURING CONSTRUCTION SHALL BE RE-ESTABLISHED BY A REGISTERED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE.
2. SALVAGE EXISTING CASTINGS TO BE RE-INSTALLED.
3. CONTRACTOR SHALL NOT OPERATE CONSTRUCTION EQUIPMENT OUTSIDE OF CONSTRUCTION EASEMENTS OR CITY RIGHT-OF-WAY WITHOUT WRITTEN APPROVAL FROM ENGINEER.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING ASPHALT ON STREETS OUTSIDE OF PROPOSED SAW CUTS. ANY DAMAGE DURING CONSTRUCTION UNDER THIS CONTRACT SHALL BE REPAIRED OR REPLACED AT CONTRACTOR'S EXPENSE.
5. ASPHALT OR CONCRETE ROADWAY AND DRIVEWAYS AND CONCRETE CURB & GUTTER SHALL BE SAW CUT PRIOR TO RESTORATION.
6. CONTRACTOR SHALL PROVIDE RUNOFF BARRIERS PRIOR TO RAIN EVENTS TO PREVENT ROADWAY WASH OUT. INLET PROTECTION SHALL BE PLACED AT ALL INLETS THAT WILL RECEIVE RUNOFF FROM DISTURBED AREAS.
7. LOCATION OF EXISTING UTILITIES MAY VARY FROM THAT SHOWN ON THE PLANS. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES TO AVOID POTENTIAL CONFLICTS.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING UTILITIES AND APPURTENANCES NOT SHOWN TO BE REPLACED. TEMPORARY REMOVAL AND ANY DAMAGE DURING CONSTRUCTION SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
9. INSTALL INLET PROTECTION AND OTHER EROSION CONTROL PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITY.
10. WORK ITEMS SHOWN SHALL BE INCIDENTAL TO CONTRACT OTHERWISE INCLUDED IN THE BID FORM.

PROJECT CONTACTS				
NAME OF OWNER	ADDRESS	CONTACT PERSON	PHONE NUMBER	SERVICE
CITY OF WATERTOWN	106 JONES STREET WATERTOWN, WI 53094	JAYNELLEN HOLLOWAY	920-262-4050	CITY ENGINEER
CITY OF WATERTOWN	106 JONES STREET WATERTOWN, WI 53094	CINDY RUPPRECHT	920-262-4006	CITY CLERK/TREASURER
CITY OF WATERTOWN	106 JONES STREET WATERTOWN, WI 53094	RICK SCHULTZ	920-262-4080	STREET SUPERINTENDENT
AYRES ASSOCIATES	101 E. BADGER ROAD MADISON, WI 53713	BRUCE MORROW	608-255-0800	PROJECT LANDSCAPE ARCHITECT
AYRES ASSOCIATES	N17 W24222 RIVERWOOD DR, SUITE #310 WAUKESHA, WI 53188	STEVE SCHARCH	262-522-4918	PROJECT ENGINEER

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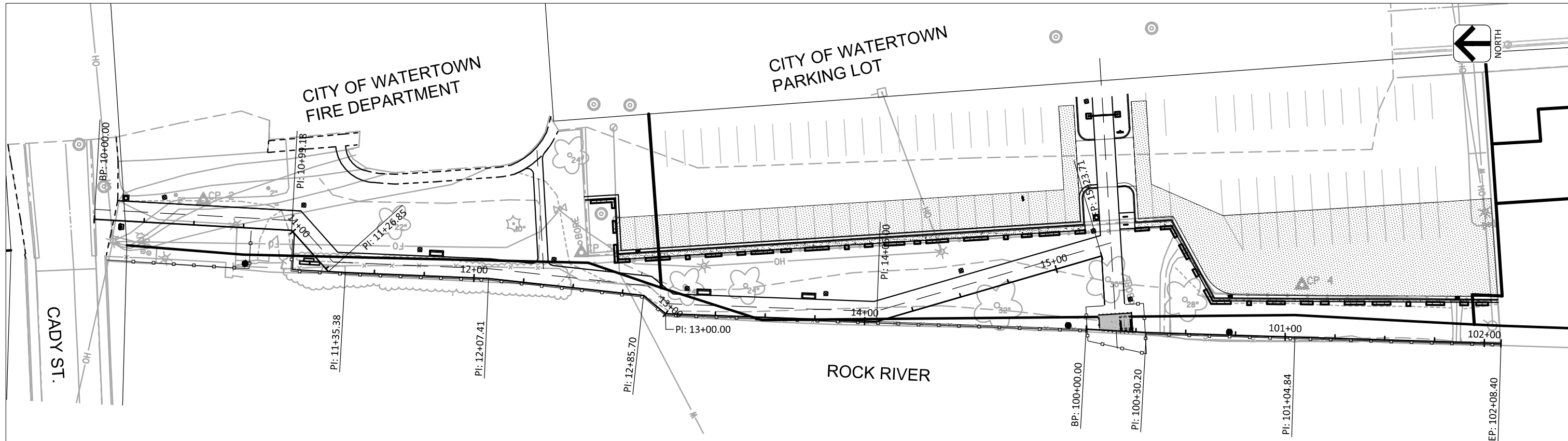
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ROCK RIVERWALK - PHASE I
WATERTOWN, WI



GENERAL PROJECT NOTES

SHEET NO.
G-3



CONTROL / BENCHMARK POINT DATA

POINT NO.	FEATURE	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	CP1	438766.055	2308624.501	817.04	CHISELED X
2	CP2	438650.658	2308775.471	817.35	7" SPIKE
3	CP3	438470.668	2308709.740	819.70	CAP/REBAR
4	CP4	438120.454	2308617.585	822.10	PK NAIL
5	CP5	437959.608	2308753.232	822.61	PK NAIL
6	CP6	437988.961	2308406.981	825.31	7" SPIKE
7	CP7	438330.132	2308414.917	813.63	7" SPIKE
8	CP8	438395.047	2308468.785	811.63	7" SPIKE
9	CP9	438551.462	2308499.352	811.19	7" SPIKE
10	CP10	438622.040	2308515.743	809.79	7" SPIKE
11	CP11	438692.608	2308555.072	811.96	7" SPIKE
12	CP12	437787.162	2308569.657	817.84	PK NAIL
13	CP13	437709.115	2308551.223	811.93	7" SPIKE
14	CP14	437638.355	2308537.743	812.76	PK NAIL
17	CP17	437455.183	2308506.638	818.43	7" SPIKE
19	CP19	437359.852	2308486.957	815.96	7" SPIKE
22	CP22	437872.220	2308646.989	821.76	PK NAIL
23	CP23	437863.166	2308554.786	821.60	TEMP BLACK X
24	CP24	437433.875	2308491.279	819.42	TEMP BLACK X
25	CP25	437685.491	2308369.407	817.32	PK NAIL

CONTROL / BENCHMARK POINT DATA

POINT NO.	FEATURE	NORTHING	EASTING	ELEVATION	DESCRIPTION
1133	BM100 NGS	438731.971	2308601.922	816.91	BRASS DISK 2J52
2522	BM101	438232.652	2308437.423	816.94	SW CORNER POLE BASE
3113	BM102	437501.662	2308515.578	819.89	CHISELED SQUARE

ALIGNMENT PI INFORMATION

STATION	NORTHING	EASTING
10+00.00	438706.148	2308777.585
10+99.18	438610.530	2308751.252
10+30.20	438232.652	2308610.736
11+26.85	438596.858	2308727.188
11+35.38	438588.634	2308724.926
12+07.41	438518.934	2308706.779
12+85.70	438444.543	2308682.080
13+00.00	438435.780	2308670.846
14+07.49	438331.054	2308644.195
15+23.24	438215.643	2308653.005

ALIGNMENT PI INFORMATION

STATION	NORTHING	EASTING
100+00.00	438231.006	2308618.735
100+30.20	438232.652	2308610.736
101+04.84	437501.662	2308592.773
102+08.40	438731.971	2308567.853

NOTE:
SEE SHEET ST-1 FOR ALIGNMENT INFORMATION OF
NEW RETAINING WALL

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ROCK RIVERWALK - PHASE I
WATERTOWN, WI



PROJECT OVERVIEW

SHEET NO

G-4

GENERAL PROJECT INFORMATION

PROJECT LOCATION AND NARRATIVE

THE PROJECT SITE IS ALONG THE EAST BANK OF THE ROCK RIVER IN THE CITY OF WATERTOWN, BETWEEN CADY STREET AND WEST MAIN STREET. THE PROJECT INCLUDES CONSTRUCTION OF A RIVER WALL AND WALKWAY, PARKING ADDITION/IMPROVEMENTS, LANDSCAPE IMPROVEMENTS, AND WAYFINDING.

RESPONSIBLE PARTIES

THE OWNER IS REQUIRED TO APPLY FOR A GENERAL PERMIT TO DISCHARGE UNDER THE WISCONSIN POLLUTANT DISCHARGE ELIMINATION SYSTEM WPDES PERMIT NO. WI-5067831-3 AT LEAST 14 DAYS PRIOR TO THE START OF THE WORK.

CONTRACTOR AND OWNER SHALL IDENTIFY A PERSON KNOWLEDGEABLE AND EXPERIENCED IN THE APPLICATION OF EROSION PREVENTION AND SEDIMENT CONTROL BMPs WHO WILL OVERSEE THE IMPLEMENTATION OF THE WRAPP.

CITY OF WATERTOWN JAYNELLEN HOLLOWAY 920-262-4050
 OWNER: CONTACT PERSON: PHONE:

AYRES ASSOCIATES BRUCE MORROW, PLA 608-441-3582
 PLAN PREPARER: CONTACT PERSON: PHONE:

PROJECT AREAS

TOTAL PROJECT SIZE (DISTURBED AREA) = ACRES
 MINIMUM AREA REQUIRING WRAPP PERMIT = 1.0 ACRE

EXISTING AREA OF IMPERVIOUS SURFACE = ACRES
 POST-CONSTRUCTION AREA OF IMPERVIOUS SURFACE = ACRES

STORMWATER MANAGEMENT - NOT APPLICABLE

SURFACE WATER MANAGEMENT MEASURES USED TO MEET PERMIT REQUIREMENTS:

- | | |
|--------------------------------------------------------|---------------------------------------------|
| <input type="checkbox"/> WET DETENTION POND | <input type="checkbox"/> SITE EVALUATION |
| <input type="checkbox"/> VEGETATED SWALES | <input type="checkbox"/> RAIN GARDENS |
| <input type="checkbox"/> BIORETENTION FOR INFILTRATION | <input type="checkbox"/> INFILTRATION BASIN |

INFILTRATION VOLUME PROVIDED = 0 CF
 TOTAL SUSPENDED SOLIDS (TSS) REDUCTION = NOT CALCULATED

RECEIVING WATERS

SURFACE WATERS AND WETLANDS THAT WILL RECEIVE STORMWATER RUNOFF FROM THE SITE AND ARE WITHIN ONE (1) MILE OF THE SITE ARE INDICATED. IN ADDITION, IMPAIRED WATERS (STATE'S 303d LIST) WITHIN ONE (1) MILE OF THE SITE AND COULD BE RECEIVING RUNOFF FROM THE SITE ARE LISTED BELOW:

<u>NAME OF WATER BODY</u>	<u>TYPE OF IMPAIRMENT</u>
ROCK RIVER	STORM WATER OUTFALL

CONSTRUCTION ACTIVITY NOTES

ALL CONSTRUCTION ACTIVITIES SHALL MEET THE REQUIREMENTS OF THE WISCONSIN POLLUTANT DISCHARGE ELIMINATION SYSTEM.

CONTRACTOR MUST APPLY FOR AN EROSION CONTROL PERMIT FROM THE CITY OF WAUKESHA PRIOR TO CONSTRUCTION.. THERE IS NO FEE FOR THIS PERMIT.

EROSION PREVENTION

THE CONTRACTOR SHALL USE PHASED CONSTRUCTION WHENEVER POSSIBLE OR PRACTICAL TO MINIMIZE DISTURBED AREAS.

ALL DISTURBED SOIL AREAS MUST BE STABILIZED AS SOON AS POSSIBLE TO LIMIT SOIL EROSION, AND SHALL BE STABILIZED NO LATER THAN 7 (SEVEN) DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT AREA OF THE SITE HAS BEEN TEMPORARILY OR PERMANENTLY COMPLETED.

THE FOLLOWING EROSION PREVENTION ITEMS SHALL BE INSTALLED WITHIN 24 HOURS AFTER INSTALLATION OF NOTED CONVEYANCE:

- 1). *ENERGY DISSIPATION (RIPRAP)* AT APRON ENDWALLS.
- 2). *STABILIZATION* OF TEMPORARY OR PERMANENT DRAINAGE SWALES WITHIN 200 FEET OF THE PROPERTY LINES, OR CONNECTION TO SURFACE STORMWATER DRAINAGE INCLUDING INLETS.

CONSTRUCTION SEQUENCE, SCHEDULE AND PHASING

ALL SILT FENCE AND CONSTRUCTION ENTRANCE/EXIT(S) AND OTHER NECESSARY EROSION CONTROL BMPs SHALL BE IN PLACE PRIOR TO THE START OF ANY CONSTRUCTION-RELATED ACTIVITIES.

REMOVE TOPSOIL NECESSARY AND STOCKPILE IN DESIGNATED AREA(S). STOCKPILES SHALL BE STABILIZED BY TEMPORARY SEEDING AND MULCHING IF THEY ARE TO REMAIN FOR MORE THAN 10 (TEN) DAYS.

DISTURBED SOIL OUTSIDE OF THE DAY-TO-DAY CONSTRUCTION AREAS SHALL BE STABILIZED BY MULCHING, TEMPORARY SEEDING, COVERING WITH TARPS OR EQUIVALENT CONTROL MEASURES.

COMPLETE UNDERGROUND UTILITY INSTALLATIONS AND ABANDONMENTS.

WITHIN 7 DAYS OF COMPLETION OF THE REQUIRED FACILITIES AND PAVEMENT, THE ENTIRE SITE SHALL BE GRADED, TOPSOILED, SEEDED AND MULCHED AS SPECIFIED.

CONTRACTOR SHALL REMOVE ALL INLET PROTECTION ONLY AFTER THE SITE IS STABILIZED.

DEWATERING AND BASIN DRAINING

DEWATER SEDIMENT-LADEN SURFACE WATER TO TEMPORARY SEDIMENTATION BASINS WHEN REQUIRED. USE APPROVED ALTERNATE BMPs TO PREVENT TRANSPORTATION OF SEDIMENTS WHEN DISCHARGING TO SURFACE WATERS. DISCHARGE FROM TEMPORARY OR PERMANENT SEDIMENTATION BASIN MUST BE VISUALLY CHECKED TO ENSURE ADEQUATE TREATMENT IS OBTAINED IN THE BASIN.

USE APPROPRIATE ENERGY DISSIPATION MEASURES ON ALL DISCHARGES.

DEWATERING PRACTICES CANNOT CAUSE NUISANCE CONDITIONS, EROSION OR FLOODING IN RECEIVING CHANNELS OR INUNDATION OF WETLANDS RESULTING IN ADVERSE IMPACTS.

RECORD RETENTION

INSPECTIONS AND MAINTENANCE RECORDS ARE THE RESPONSIBILITY OF THE CONTRACTOR AND MUST BE KEPT AT THE SITE DURING CONSTRUCTION.

ALL OWNER(S) SHALL RETAIN THE FOLLOWING FOR THREE (3) YEARS AFTER SUBMITTAL OF THE NOTICE OF TERMINATION:

- 1). WRAPP
- 2). ANY OTHER PERMITS REQUIRED FOR THE PROJECT.
- 3). INSPECTION AND MAINTENANCE LOGS/REPORTS.
- 4). ALL PERMANENT OPERATION AND MAINTENANCE AGREEMENTS FOR SURFACE WATER FACILITIES.
- 5). ALL DESIGN CALCULATIONS FOR TEMPORARY AND PERMANENT STORM WATER MANAGEMENT.

INSPECTIONS AND MAINTENANCE

CONTRACTOR IS SOLELY RESPONSIBLE FOR INSTALLATION, MAINTENANCE AND REMOVAL OF ALL EROSION CONTROL DEVICES AND SHALL COMPLY WITH ALL REQUIREMENTS SHOWN ON THE PLANS, IN THE PROJECT SPECIFICATIONS, AND AS MANDATED BY LOCAL, STATE AND FEDERAL REGULATIONS.

CONTRACTOR SHALL INSPECT THE EROSION CONTROL MEASURES WITHIN 24 HOURS AFTER EACH RAIN OF 0.5 INCHES OR MORE AND AT LEAST ONCE EACH WEEK. MAKE NEEDED REPAIRS AND DOCUMENT THE FINDINGS OF THE INSPECTIONS IN A SITE EROSION CONTROL LOG WITH THE DATE OF INSPECTION, THE NAME OF THE PERSON CONDUCTING THE INSPECTION, AND A DESCRIPTION OF THE PRESENT PHASE OF THE CONSTRUCTION AT THE SITE.

ANY SEDIMENT REACHING A PUBLIC OR PRIVATE ROAD SHALL BE REMOVED BY STREET CLEANING (NOT FLUSHING), COMPLETED BY A VACUUM SWEEPER, BEFORE END OF WORK EACH DAY.

FOR MORE EROSION CONTROL REQUIREMENTS, REFER TO SPECIFICATION SECTION 01 57 19.

CONTRACTOR TO OBTAIN APPLICABLE PERMITS.

IF DEWATERING IS NEEDED, CONTRACTOR SHALL PROVIDE FOR SEDIMENT REMOVAL.

BUILT-UP SEDIMENT SHALL BE REMOVED FROM SILT FENCE WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE FENCE.

THE CONTRACTOR SHALL ROUTINELY INSPECT THE CONSTRUCTION SITE ONCE EVERY SEVEN (7) DAYS DURING ACTIVE CONSTRUCTION, AND WITHIN 24 HOURS OF A RAINFALL EVENT GREATER THAN 0.5 INCHES IN A 24-HOUR PERIOD.

ALL INSPECTIONS MUST BE RECORDED AND RECORDS MUST BE RETAINED WITH THE WRAPP ON SITE. COPIES SHALL BE MADE AVAILABLE TO THE ENGINEER AT MEETING, OR UPON REQUEST.

IF TEMPORARY SEDIMENT BASINS ARE REQUIRED, THEY SHALL BE DRAINED AND CLEANED OF EXCESS SEDIMENT WHEN THE DEPTH OF THE SEDIMENT IN THE BASIN IS EQUAL TO THE ORIGINAL STORAGE VOLUME INTENDED. FOR THIS SITE, IT SHALL BE WHEN THE FOREBAY ACCUMULATES TWO (2) FEET OF SEDIMENT AND WHEN THE MAIN POND ACQUIRES SIX (6) INCHES OF SEDIMENT. DRAINAGE AND REMOVAL SHALL BE COMPLETED WITHIN 72 HOURS OF DISCOVERY.

ALL NON-FUNCTIONAL BMPs SHALL BE REPAIRED, REPLACED OR SUPPLEMENTED WITH ADDITIONAL BMPs WITHIN A 24-HOUR PERIOD OF DISCOVERY, OR AS SOON AS FIELD CONDITIONS ALLOW.

POLLUTION PREVENTION

ALL SOLID WASTE GENERATED BY / COLLECTED FROM THE CONSTRUCTION SITE SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE STATE, FEDERAL AND LOCAL REGULATIONS.

ALL HAZARDOUS MATERIALS (OILS, GASOLINE, FUEL, PAINT, ETC.) MUST BE PROPERLY AND SECURELY STORED AND CONTAINED TO PREVENT SPILLS, LEAKS OR OTHER DISCHARGE.

VEHICLE OR EQUIPMENT WASHING OR TEMPORARY MAINTENANCE AREAS MUST BE LIMITED TO A DEFINED AREA OF THE SITE. RUNOFF CONTAINING ANY HAZARDOUS WASTES MUST BE PROPERLY AND LAWFULLY COLLECTED AND DISPOSED OF. NO ENGINE DEGREASING IS ALLOWED ON THE SITE.

THE CONTRACTOR IS SOLELY RESPONSIBLE FOR MONITORING AIR POLLUTION AND ENSURING THAT IT DOES NOT EXCEED LEVELS SET BY LOCAL, STATE OR FEDERAL LEVELS. THIS INCLUDES DUST BEING CREATED BY WORK BEING PERFORMED ON THE SITE. DUST CONTROL MEASURES ARE CONSIDERED INCIDENTAL TO THE CONTRACT FOR WHICH WORK IS BEING PERFORMED. ADDITIONAL DUST CONTROL MEASURES OR OTHER AIR POLLUTION CONTROL MEASURES MAY BE REQUIRED BY THE ENGINEER.

FINAL STABILIZATION

THE CONTRACTOR MUST ENSURE FINAL STABILIZATION OF THE SITE. THE PERMITEES SHALL SUBMIT A NOTICE OF TERMINATION WITHIN 30 DAYS AFTER FINAL STABILIZATION IS COMPLETE.

ALL TEMPORARY EROSION CONTROL MEASURES AND BMPs MUST BE REMOVED AS PART OF THE FINAL SITE STABILIZATION.

THE GENERAL PERMIT FURTHER DEFINES FINAL STABILIZATION AND ITS REQUIREMENTS.

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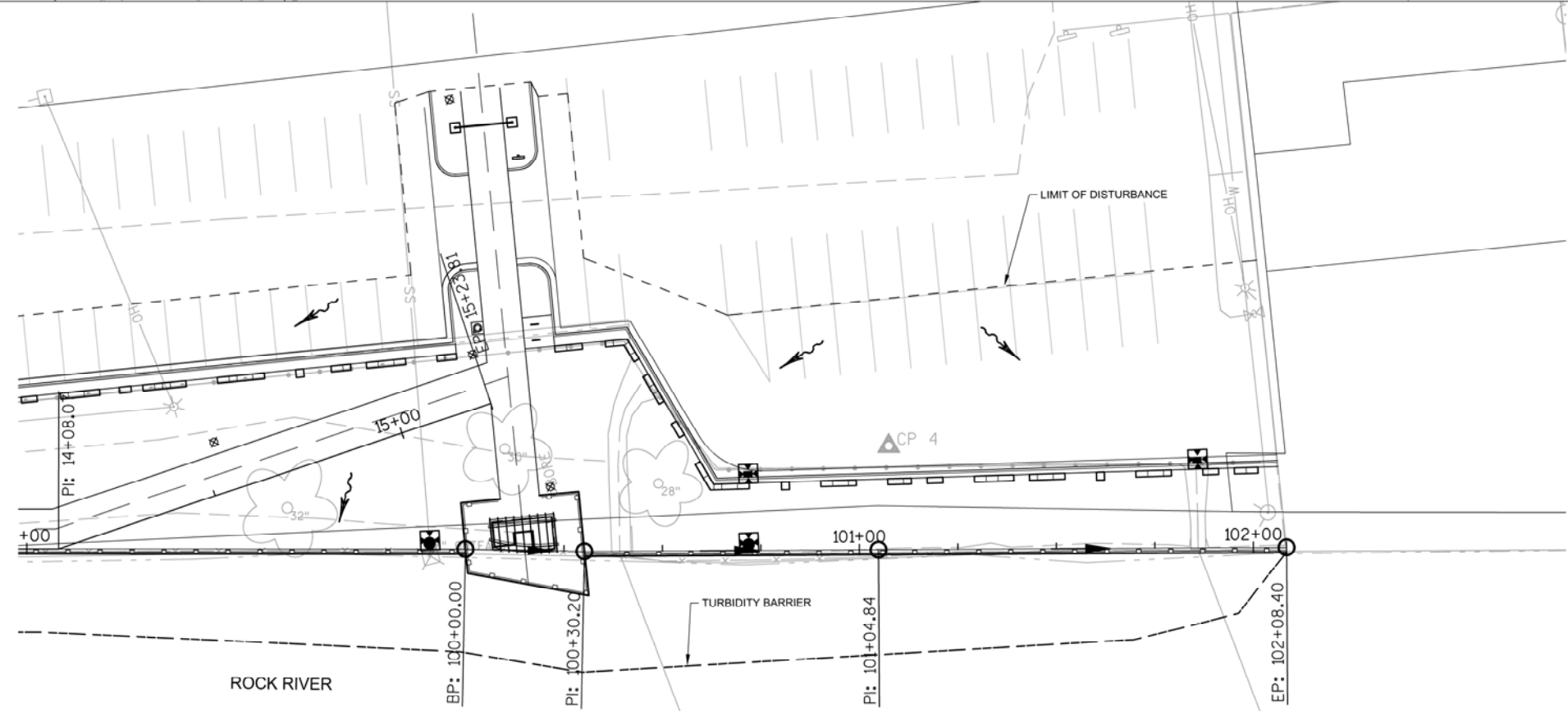
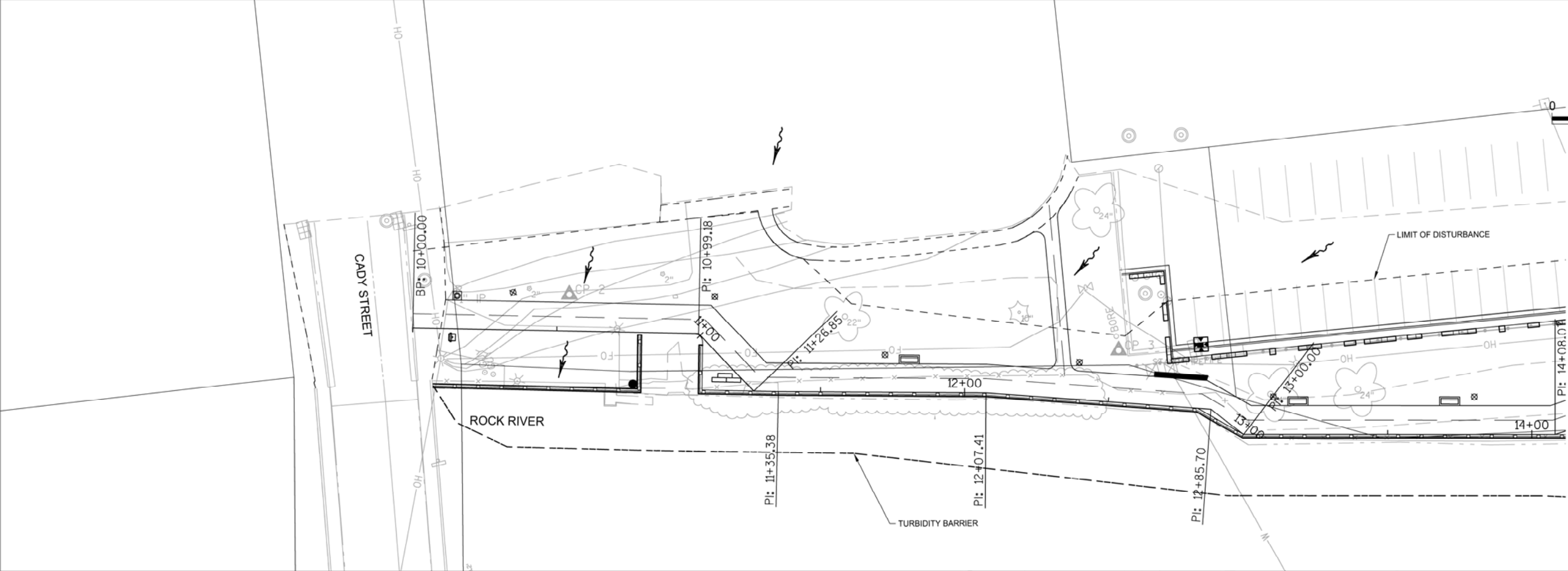
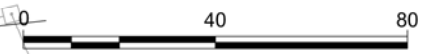
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ROCK RIVERWALK - PHASE I
 WATERTOWN, WI






EROSION CONTROL NOTES

SHEET NO.
 EC-1



KEY

-  FLOW ARROW
-  INLET PROTECTION
-  TURBIDITY BARRIER

NOTE:
SEE SHEET D-1 FOR EROSION CONTROL CONSTRUCTION DETAILS

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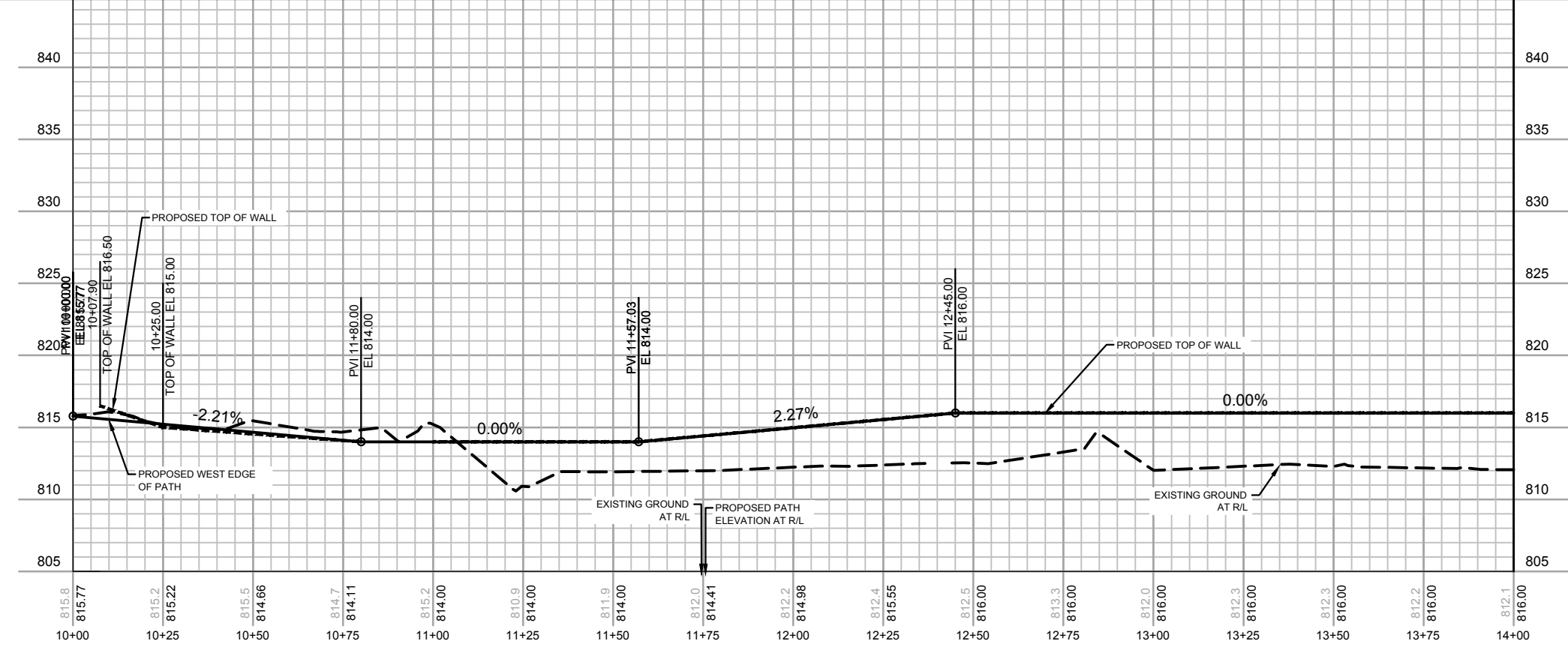
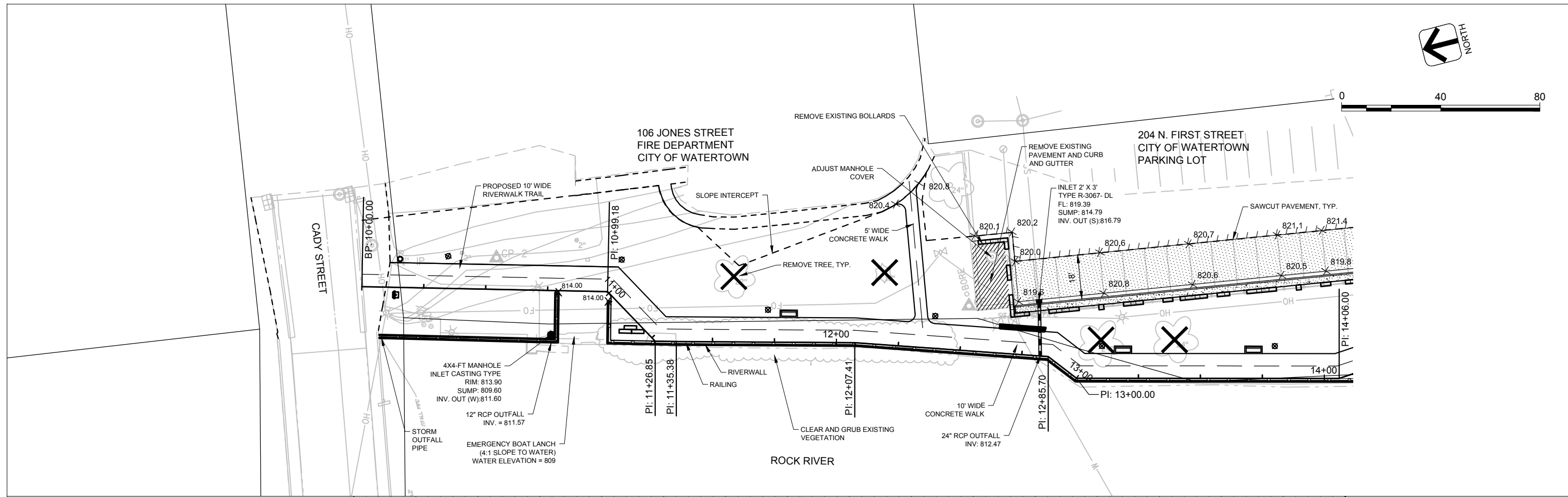
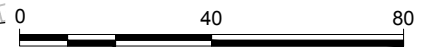
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**ROCK RIVERWALK - PHASE I
WATERTOWN, WI**



EROSION CONTROL PLAN

SHEET NO.
EC-2



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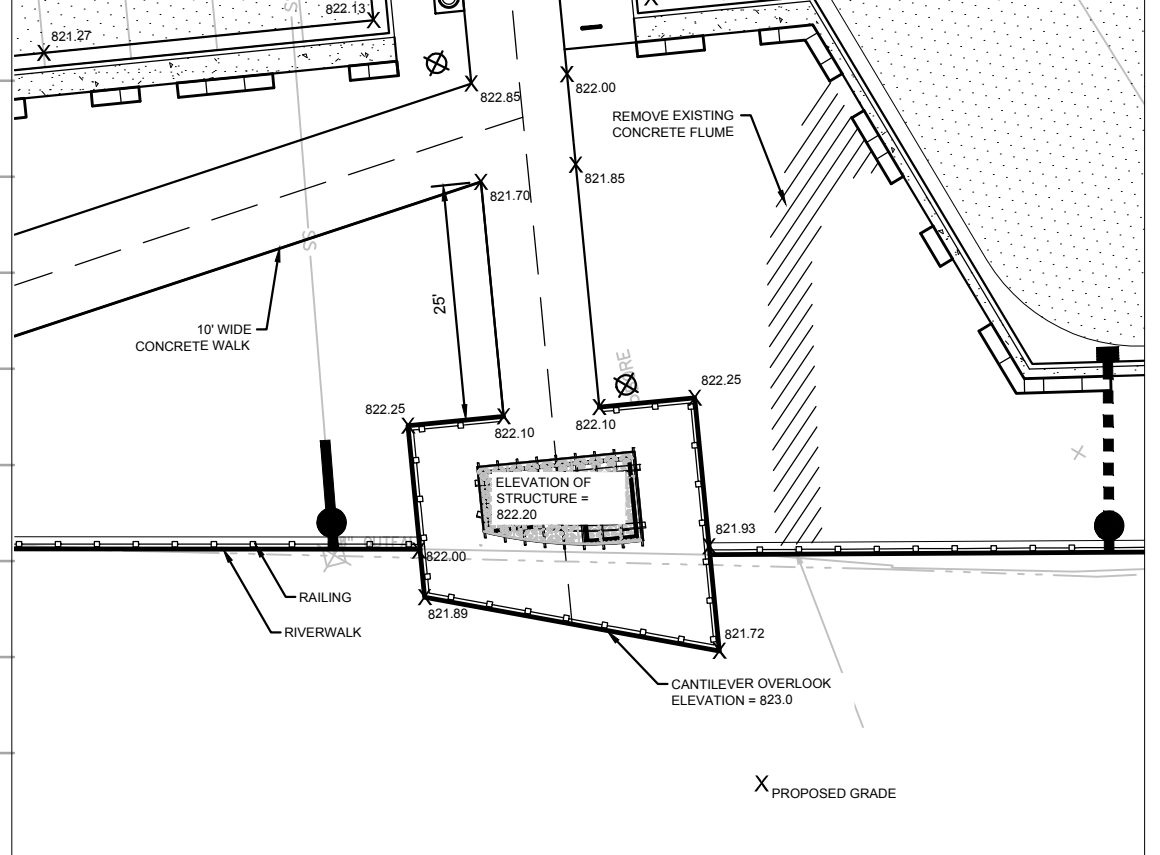
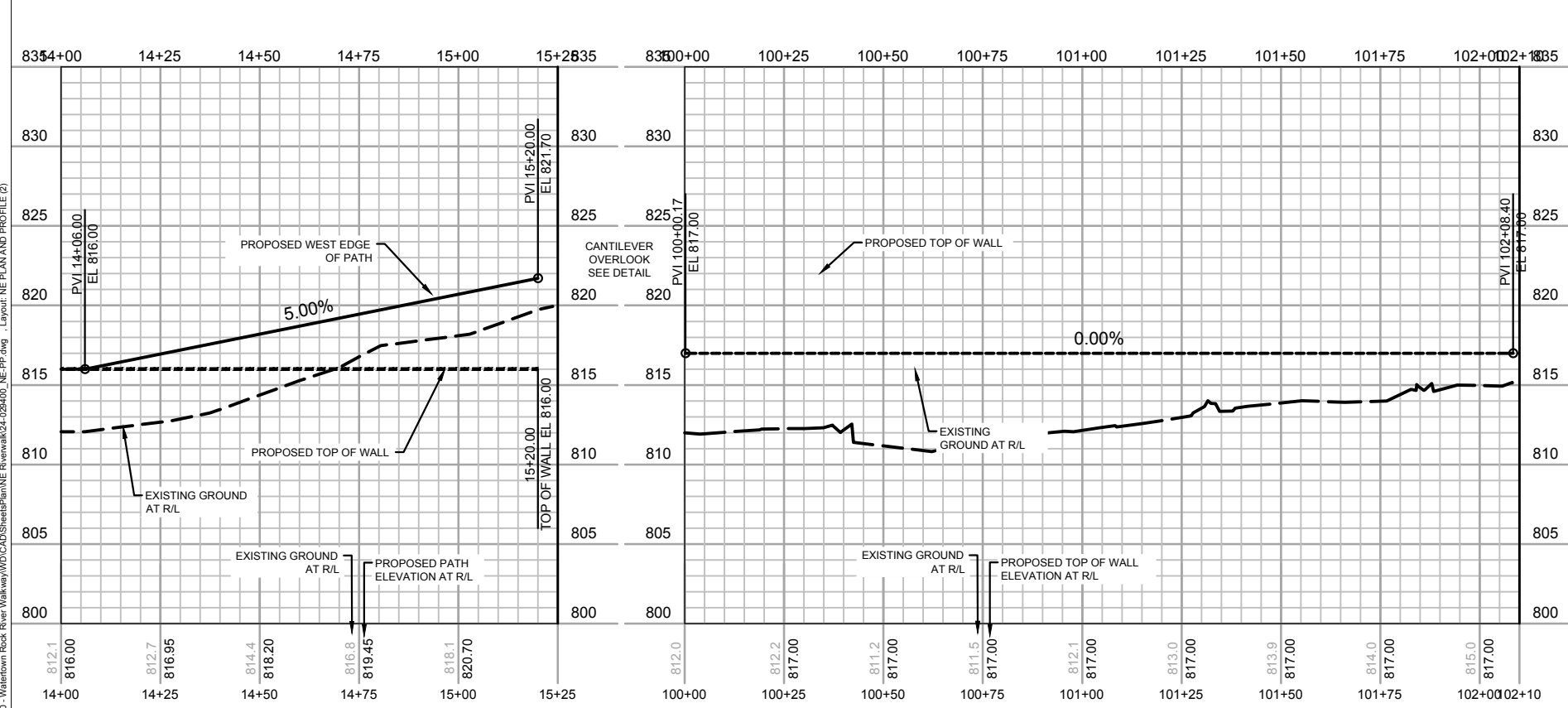
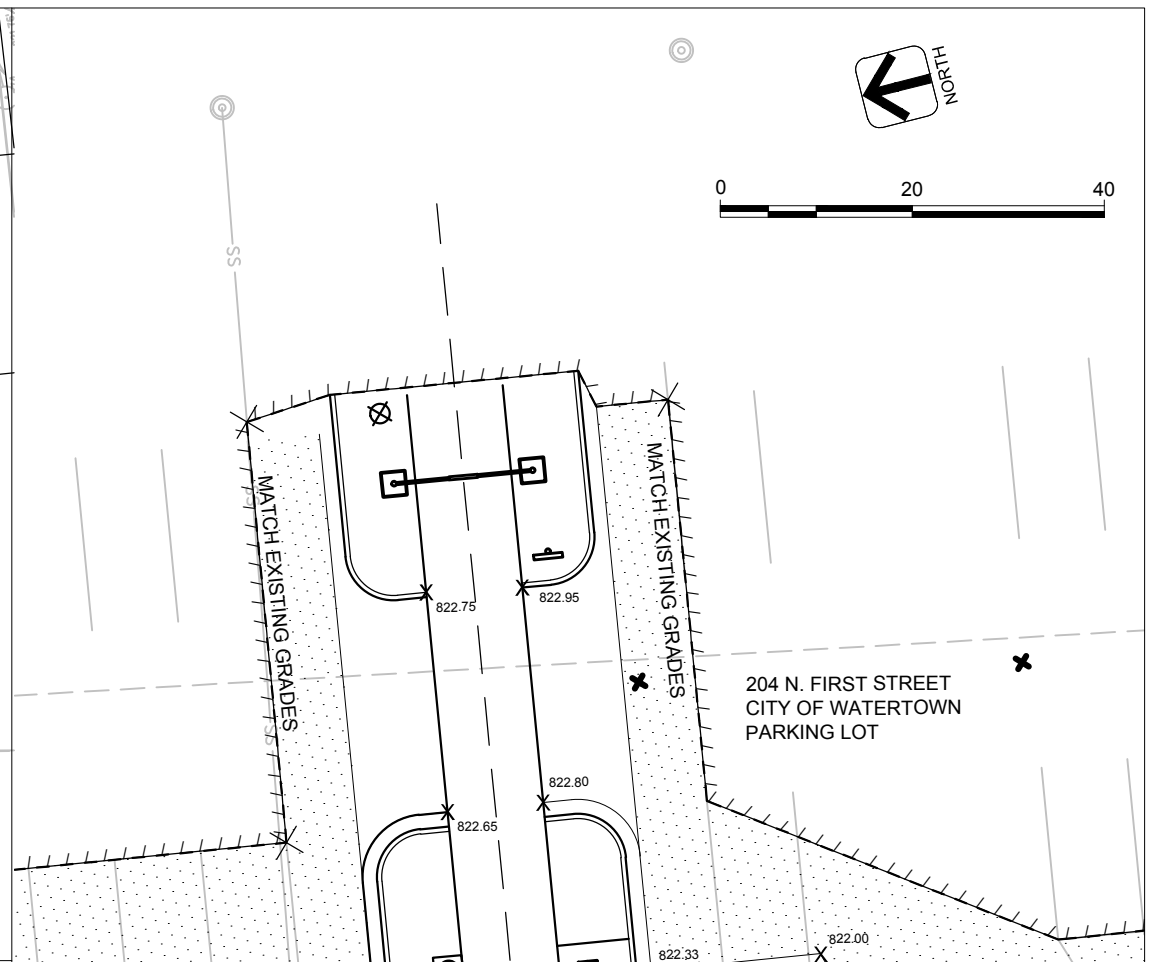
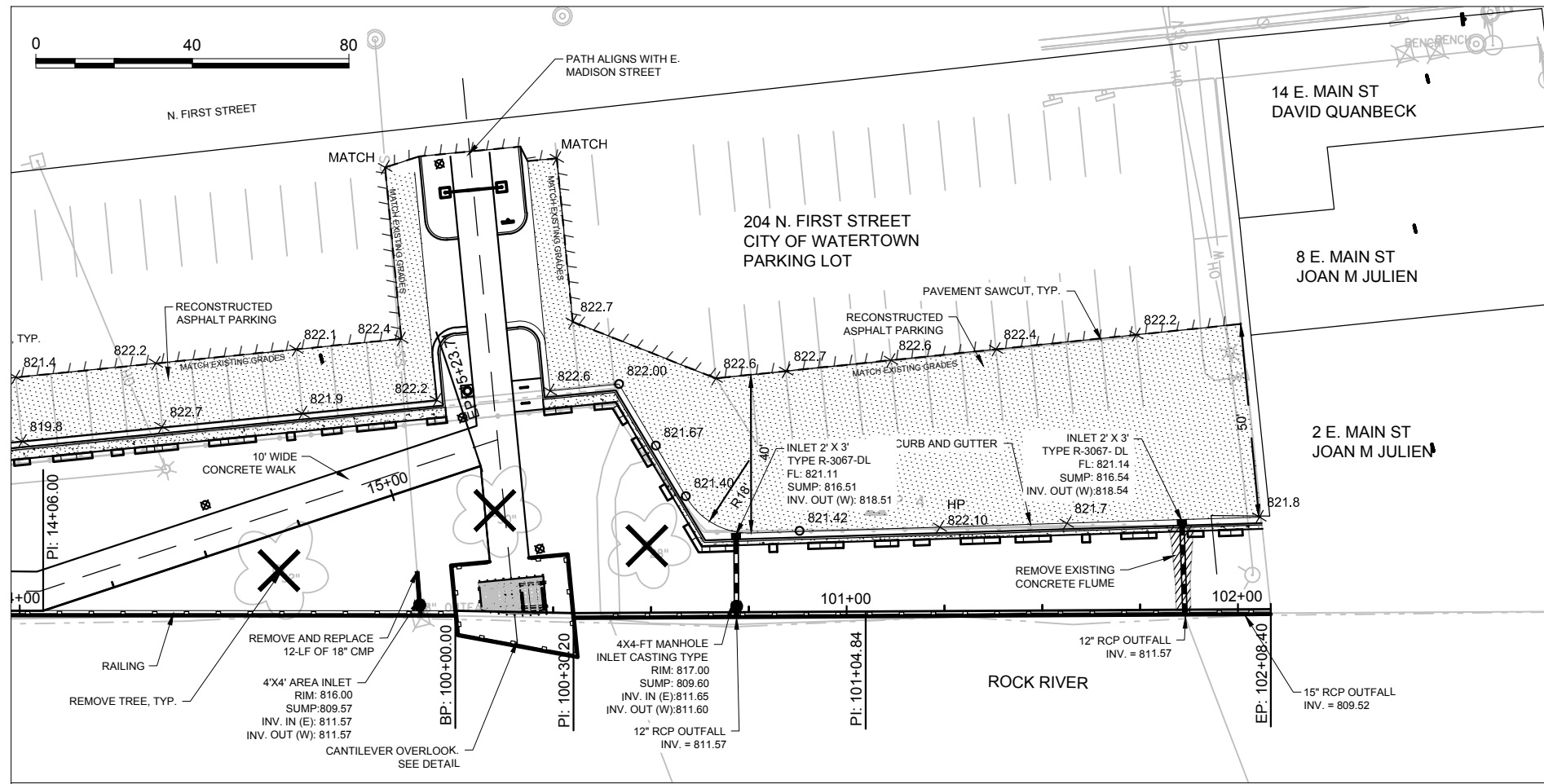
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**ROCK RIVERWALK - PHASE I
WATERTOWN, WI**



PLAN AND PROFILE

SHEET NO.
PP-1



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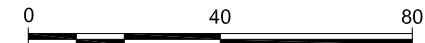
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ROCK RIVERWALK - PHASE I
WATERTOWN, WI



PLAN AND PROFILE

SHEET NO.
PP-2



LEGEND:

	NATIVE HILL MIX
	SHADE TREE

NOTES:

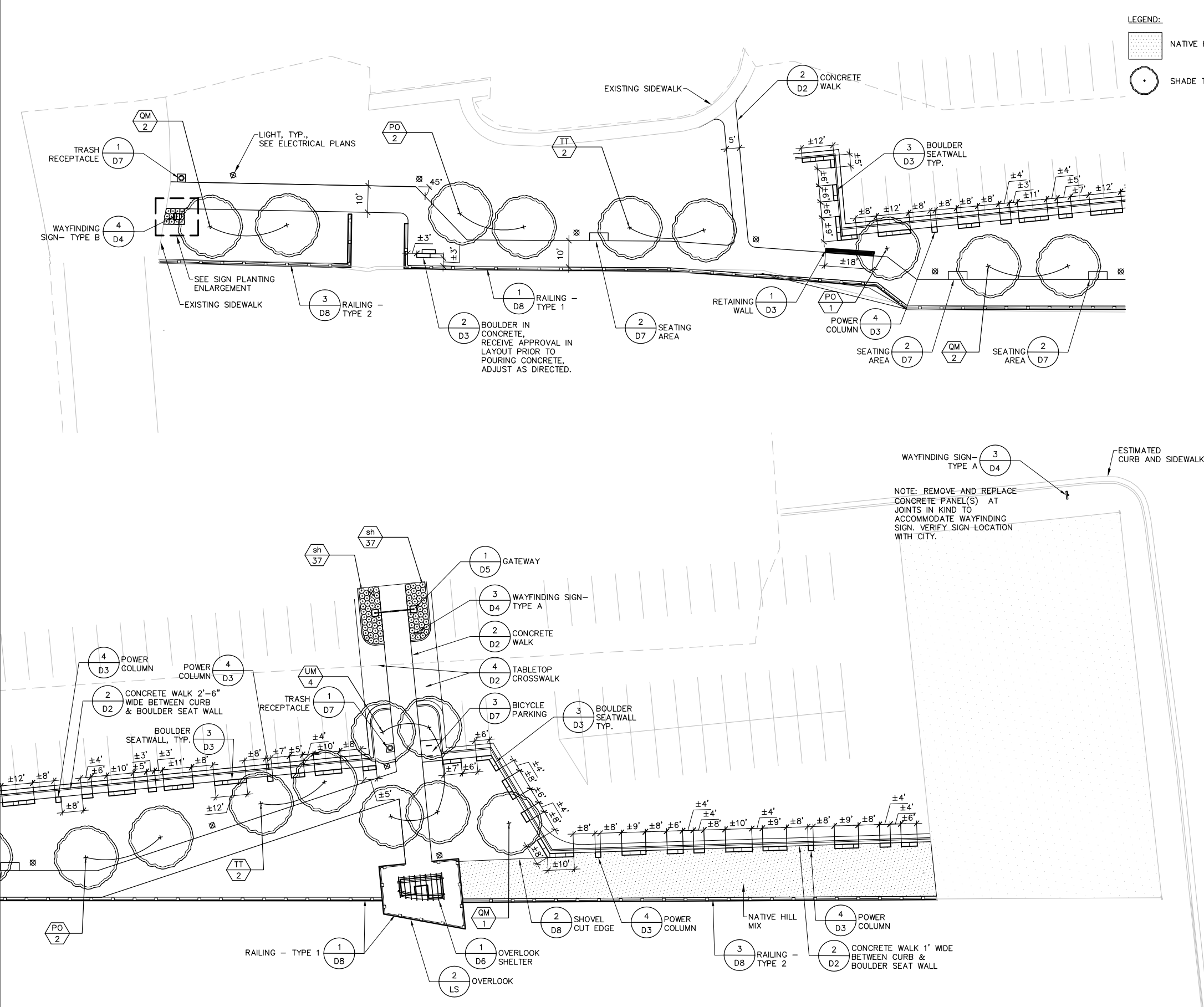
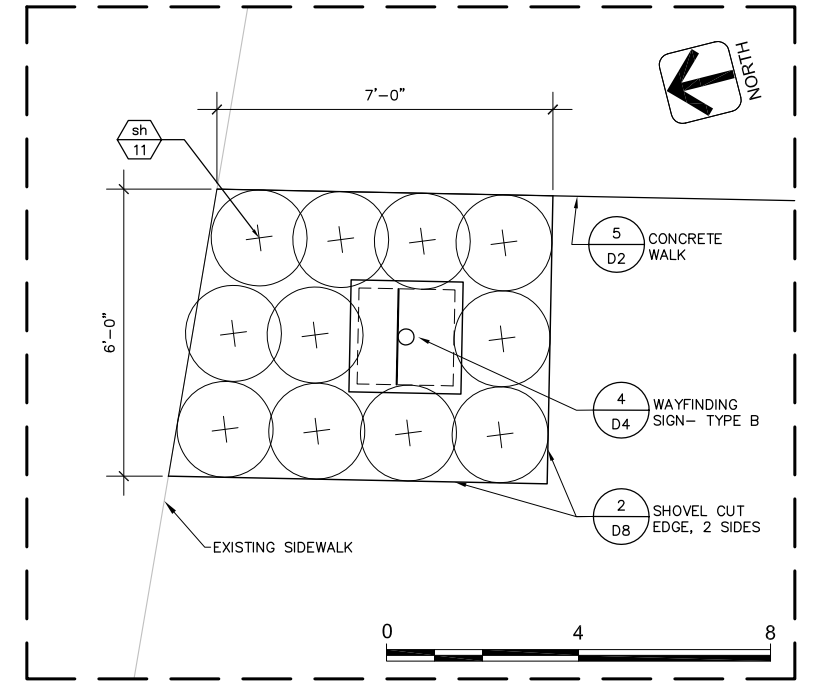
- SEE LANDSCAPE DETAILS
- ALL LANDSCAPE PLANTING BEDS SHALL HAVE SHOVEL CUT EDGES, UNLESS OTHERWISE NOTED.
- COVER CROP SHALL BE APPLIED IN ALL SEEDED AREAS AT 40 LBS/ACRE DURING THE FIRST YEAR AFTER SEEDING.
FOR SEEDING MARCH-JULY: AVENA SATIVA (OATS)
FOR SEEDING JULY-DECEMBER*: LOLIUM MULTIFLORUM (RYEGRASS)
*IF SEEDING IN LATE FALL, LIGHT TO NO SNOW COVER IS ACCEPTABLE IF SEED WILL LIKELY BECOME COVERED WITH SNOW. SEEDING OVER HEAVY SNOW COVER IS NOT ACCEPTABLE.
- SEE ELECTRICAL PLAN FOR LIGHT LOCATIONS

PLANT LIST

Symbol	Scientific Name	Common Name	Size	Root	Qty
TREES					
PO	Platanus occidentalis	American sycamore	2.5"	B&B	5
QM	Quercus macrocarpa	bur oak	2.5"	B&B	5
TT	Tilia tomentosa	silver linden	2.5"	B&B	4
UM	Ulmus 'Morton' ACCOLADE	Accolade elm	2.5"	B&B	4
NATIVE GRASSES					
sh	Sporobolus heterolepis	prairie dropseed	Qrt		85

NATIVE HILL MIX

Scientific Name	Common Name	% of Mix	Seeds/ft2	Lbs/ac
Bouteloua gracilis	blue grama grass	15.00%	60	3.61
Bouteloua curtipendula	sideoats grama	10.00%	40	10.94
Danthonia spicata	poverty oat grass	10.00%	40	3.88
Festuca subvernicillata	nodding fescue	15.00%	60	0.61
Juncus acuminatus	taper tip rush	50.00%	200	0.54
TOTAL		100.00%	400	19.58



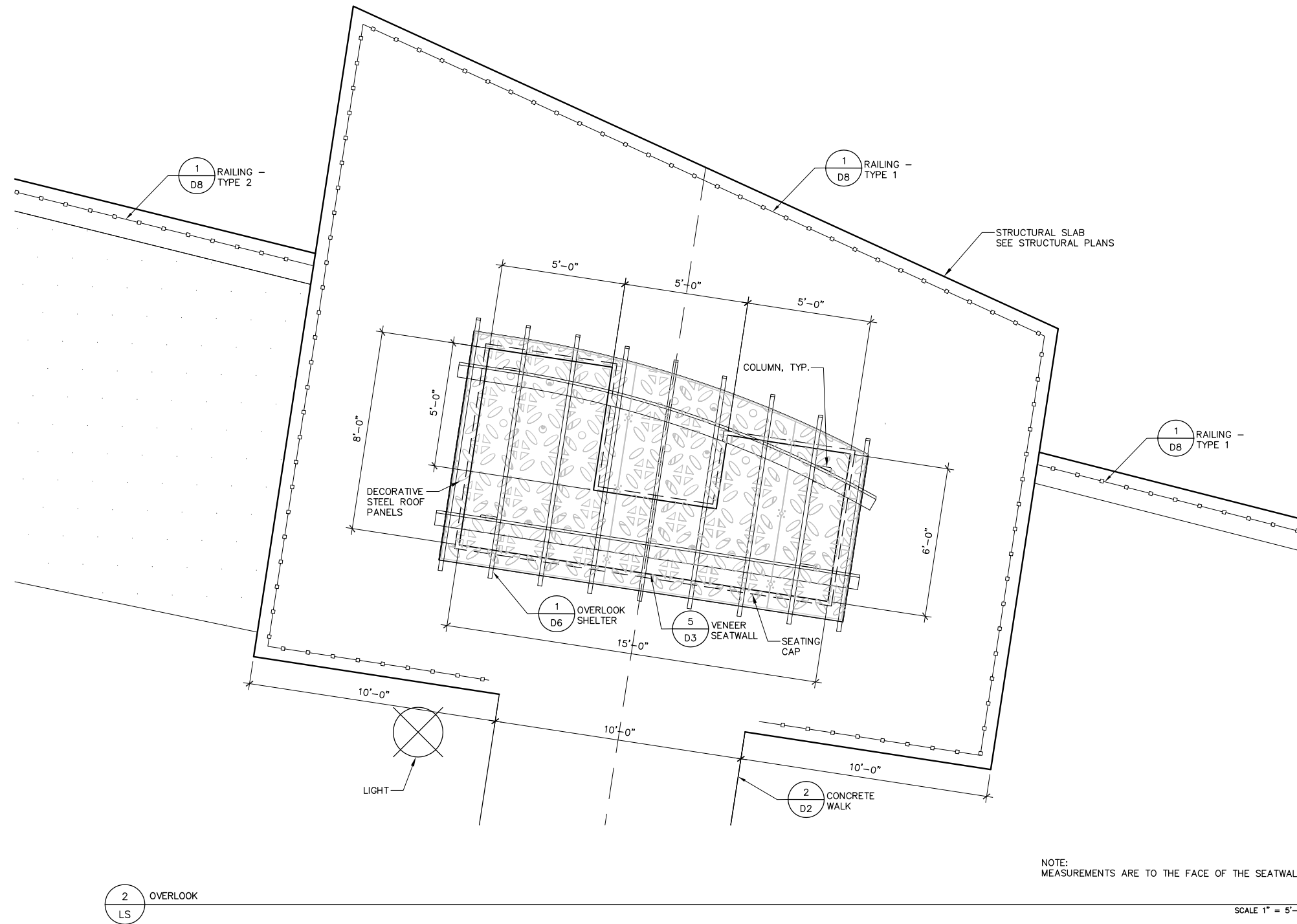
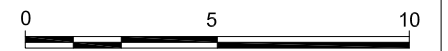
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**ROCK RIVERWALK - PHASE I
WATERTOWN, WI**



SHEET NO.



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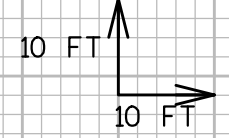
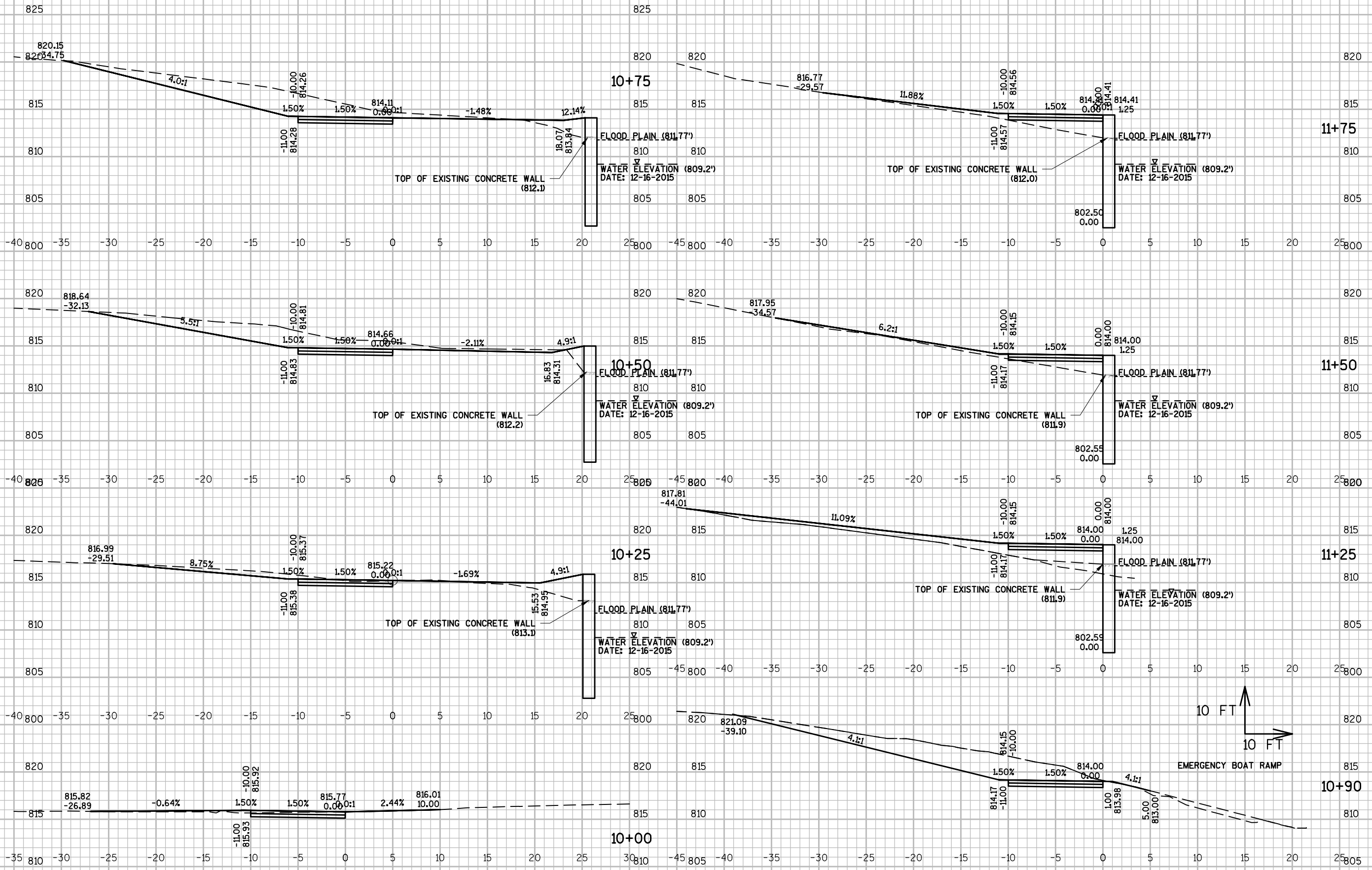
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ROCK RIVERWALK - PHASE I
WATERTOWN, WI



LANDSCAPE PLAN

SHEET NO.
LS-2



EMERGENCY BOAT RAMP

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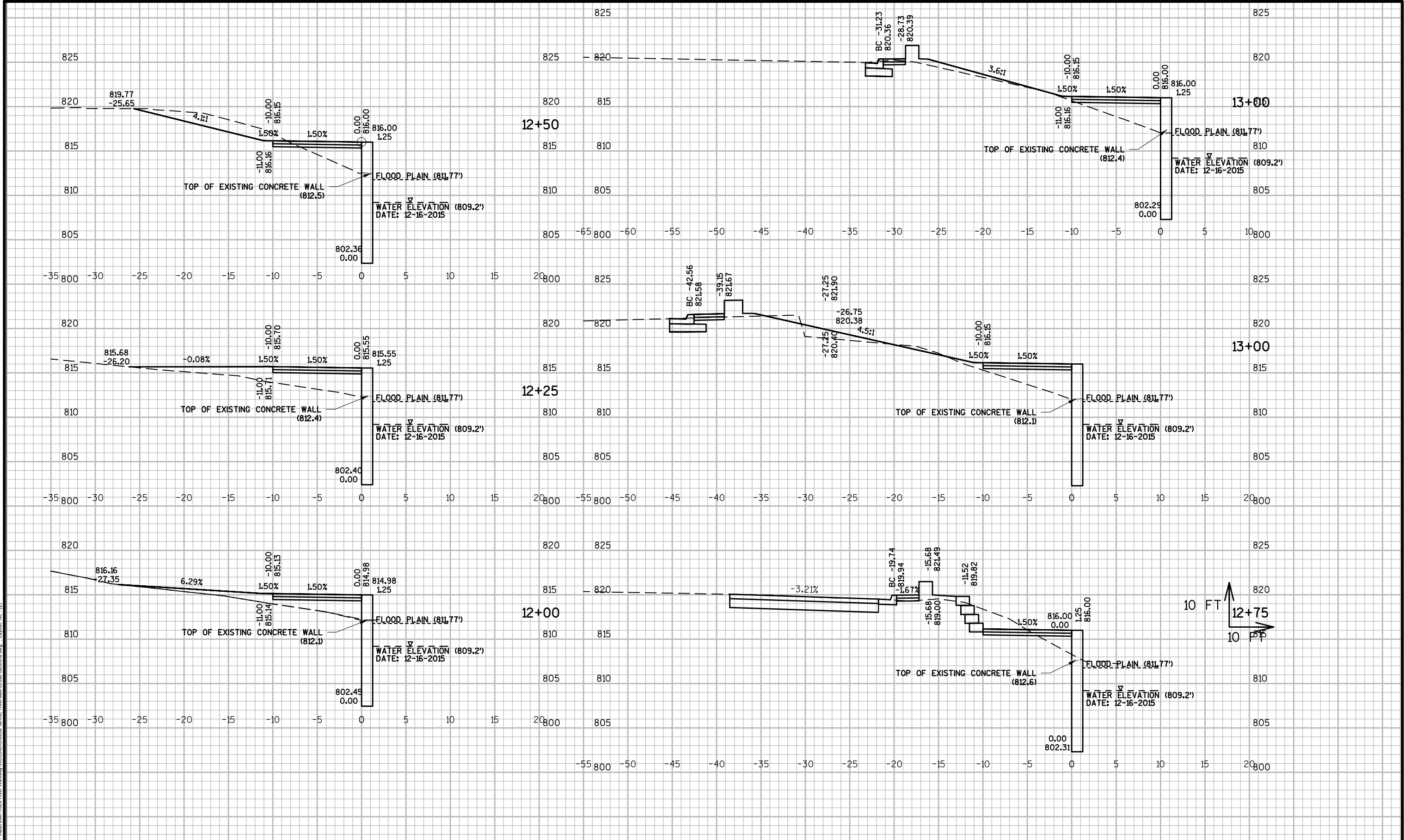
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ROCK RIVERWALK - PHASE I
WATERTOWN, WI



CROSS SECTIONS
PRELIMINARY

SHEET NO.
XS-1



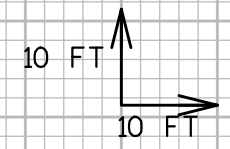
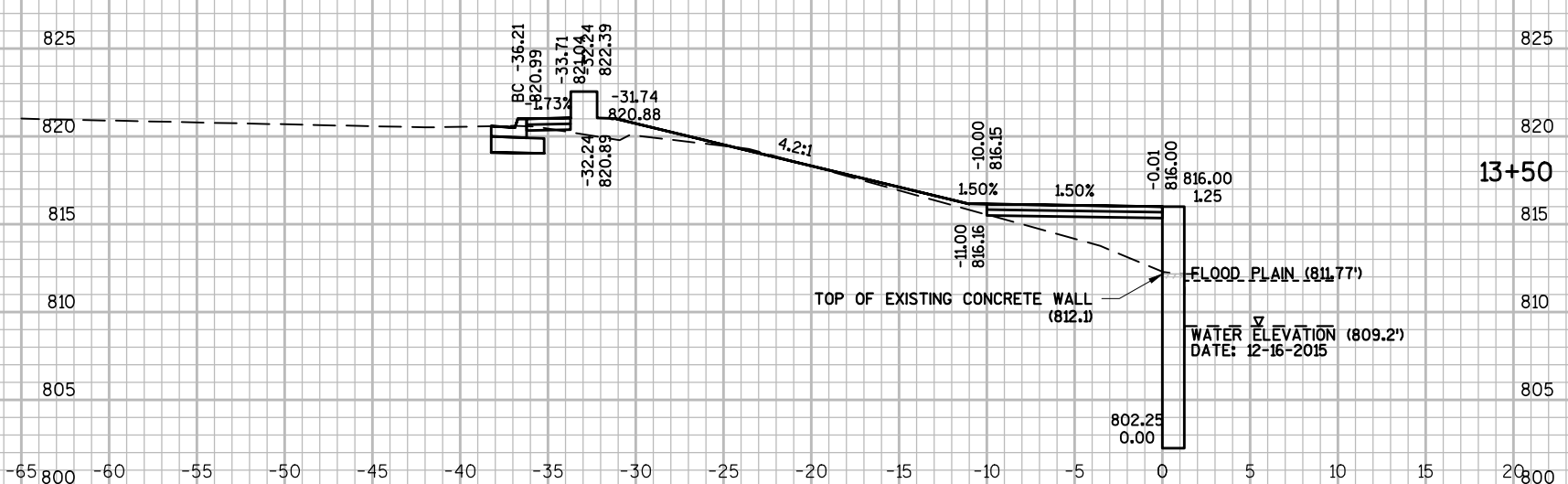
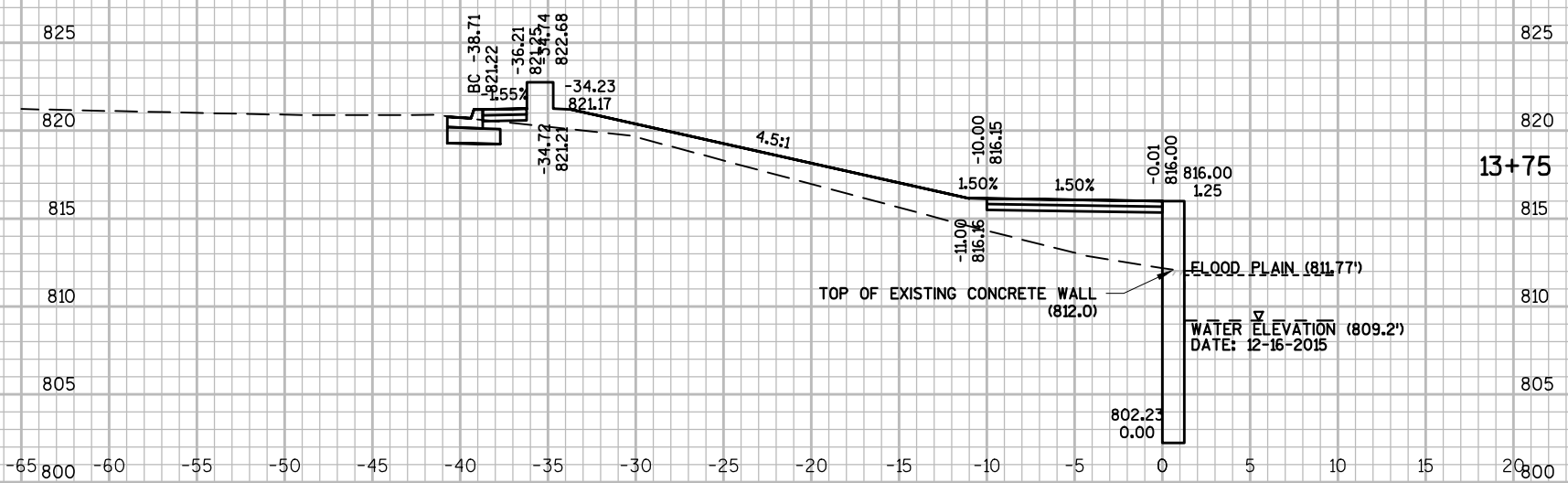
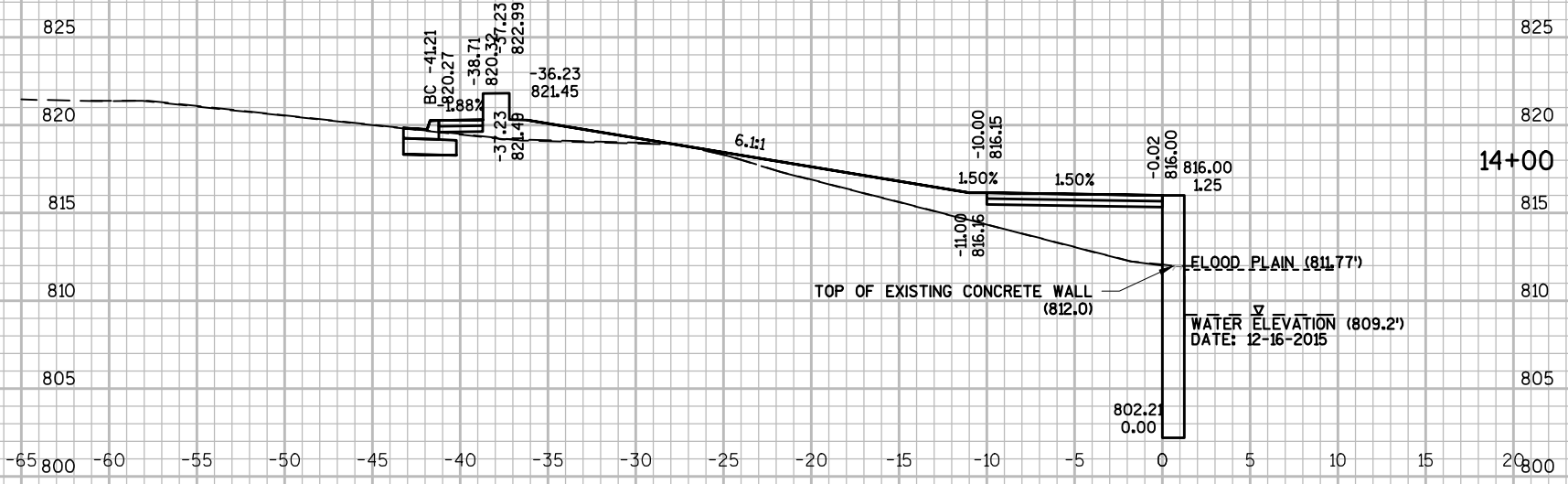
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ROCK RIVERWALK - PHASE I
WATERTOWN, WI



CROSS SECTIONS
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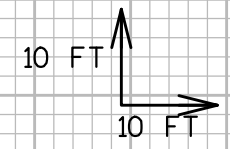
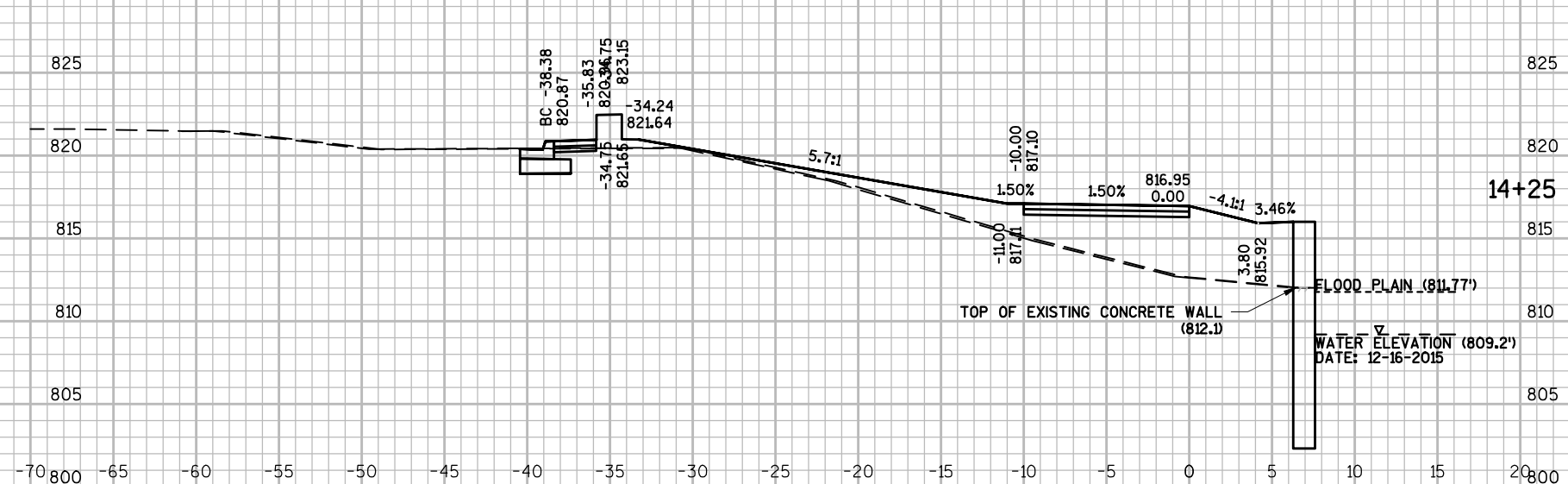
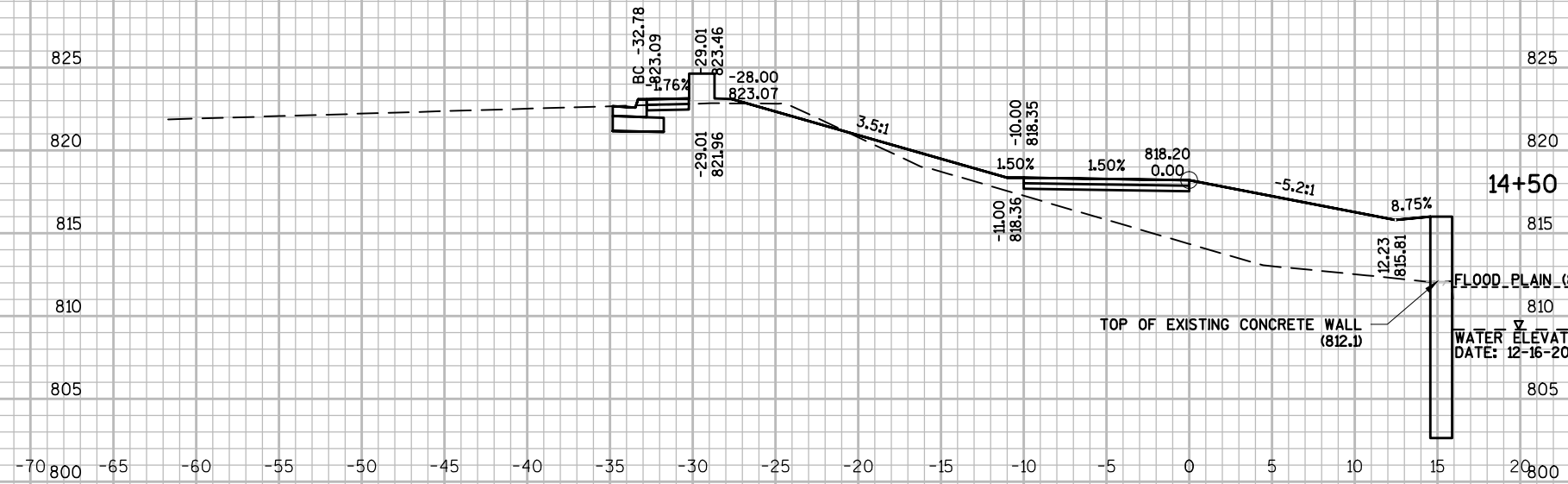
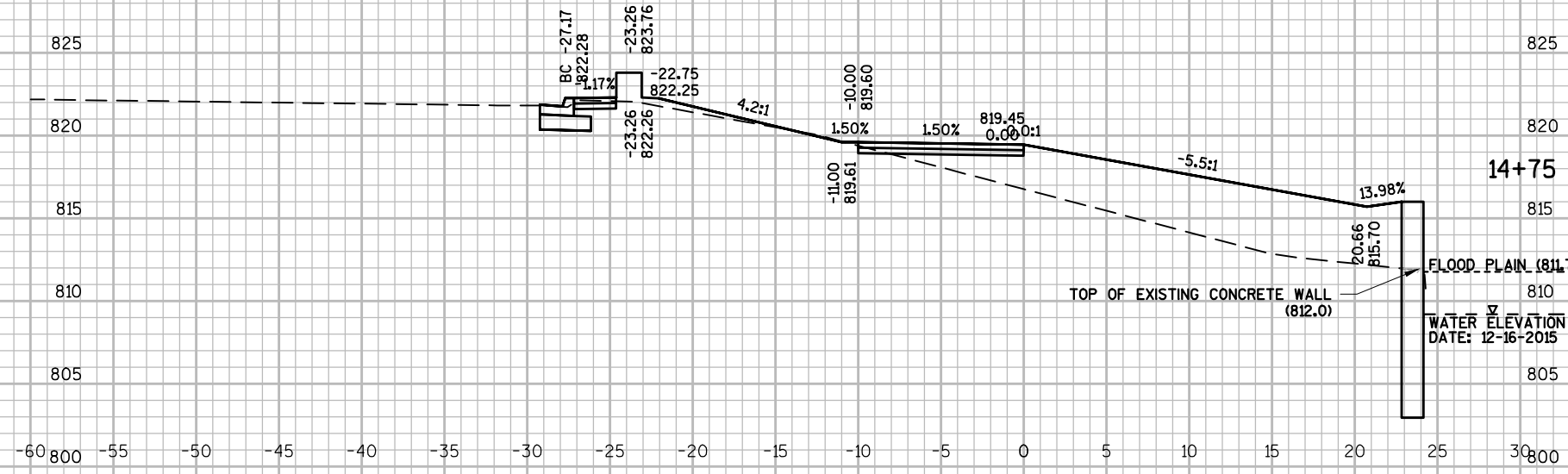
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ROCK RIVERWALK - PHASE I
WATERTOWN, WI



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XS-3



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ROCK RIVERWALK - PHASE I
WATERTOWN, WI



CROSS SECTIONS
PRELIMINARY

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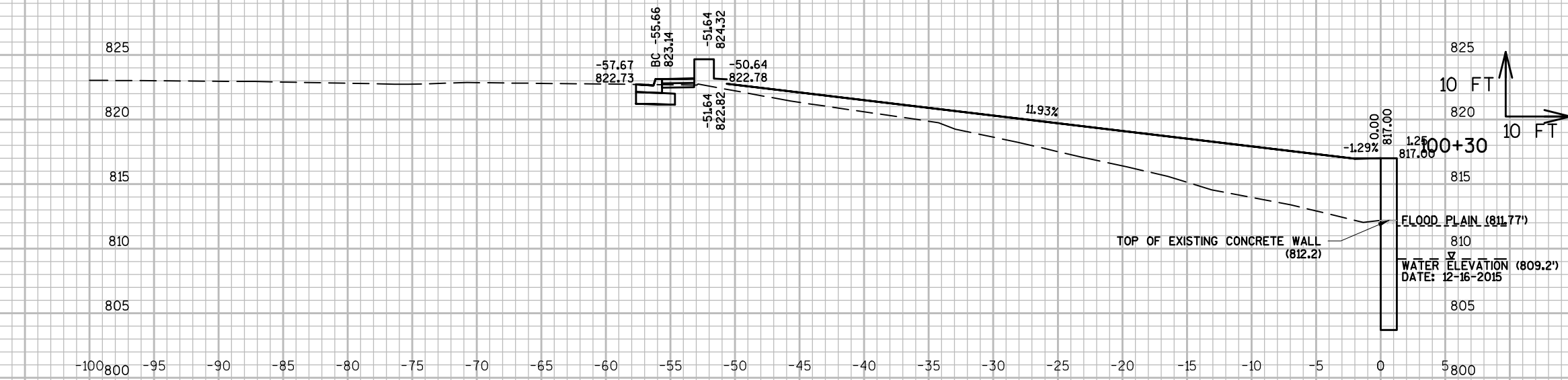
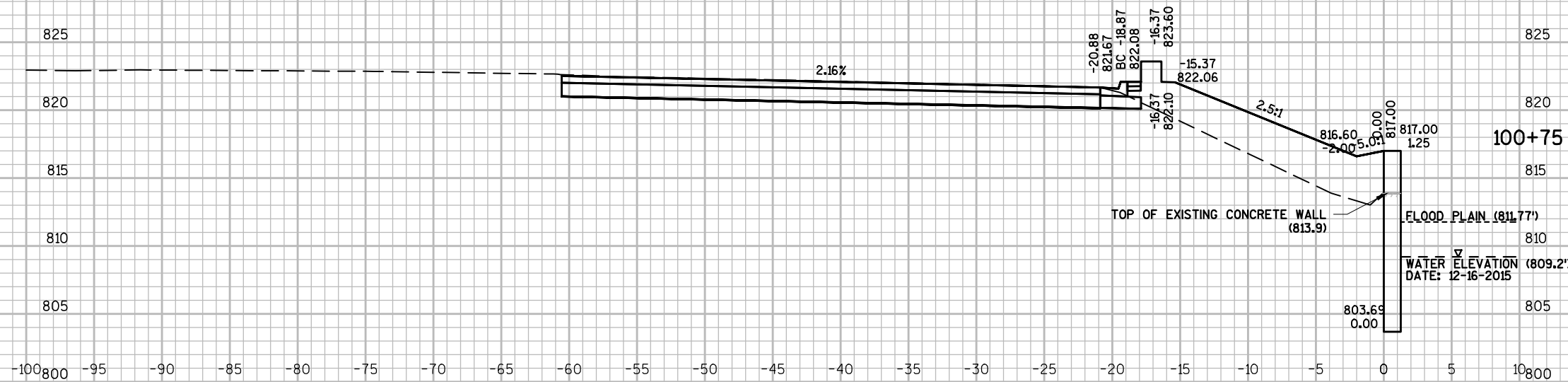
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ROCK RIVERWALK - PHASE I
 WATERTOWN, WI



CROSS SECTIONS
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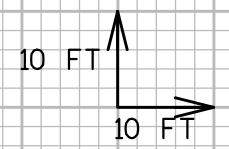
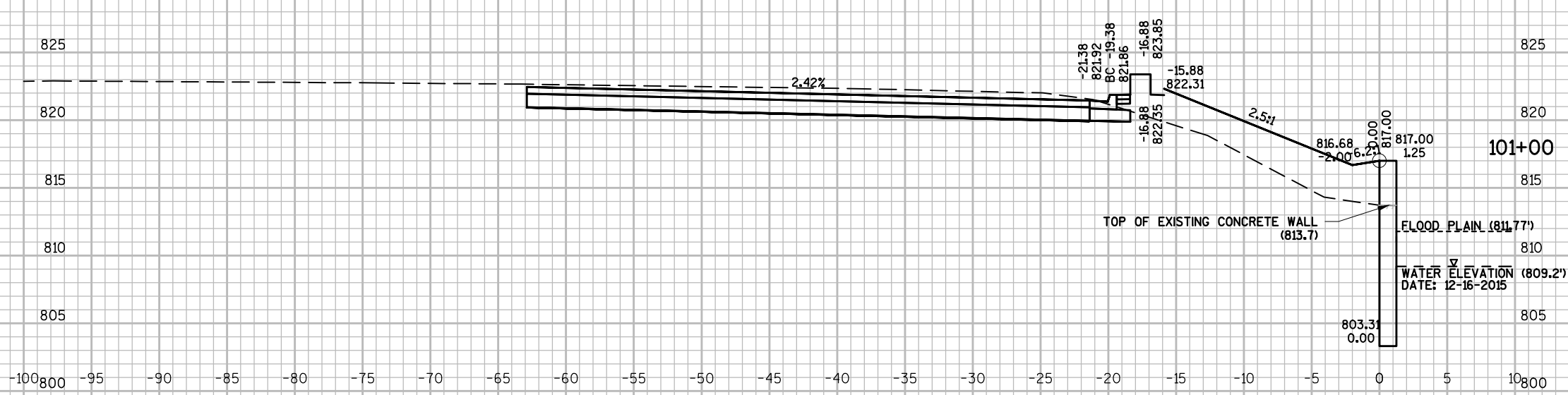
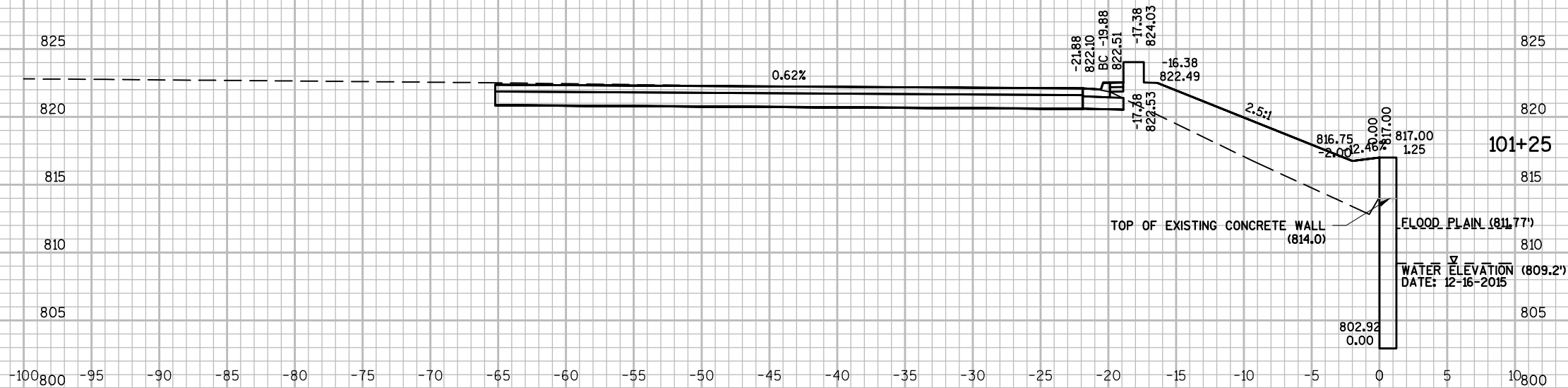
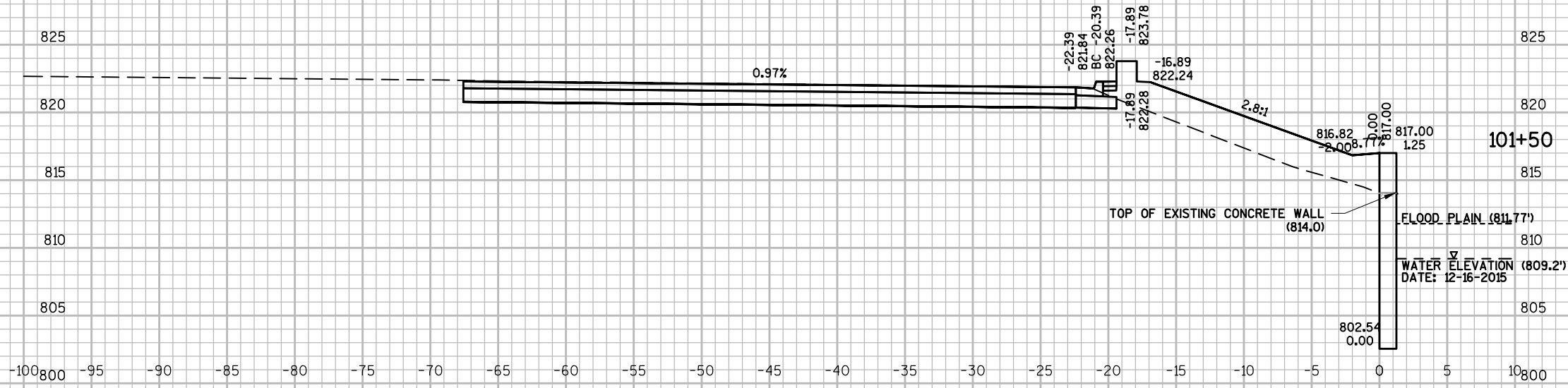
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ROCK RIVERWALK - PHASE I
WATERTOWN, WI



CROSS SECTIONS
PRELIMINARY

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XS-6



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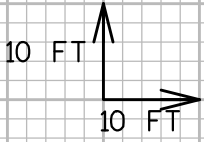
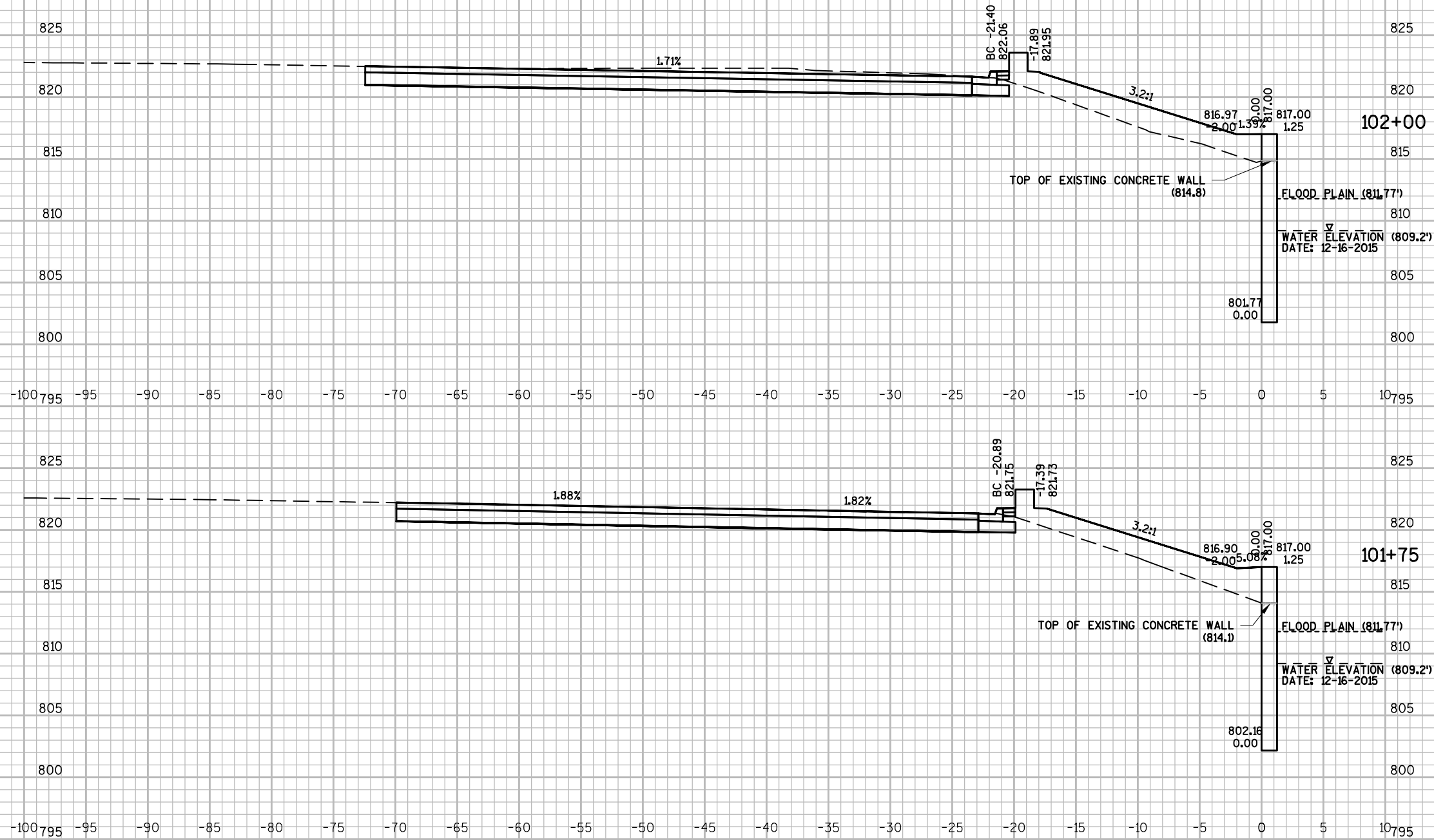
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ROCK RIVERWALK - PHASE I
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CROSS SECTIONS
PRELIMINARY

SHEET NO.
XS-7



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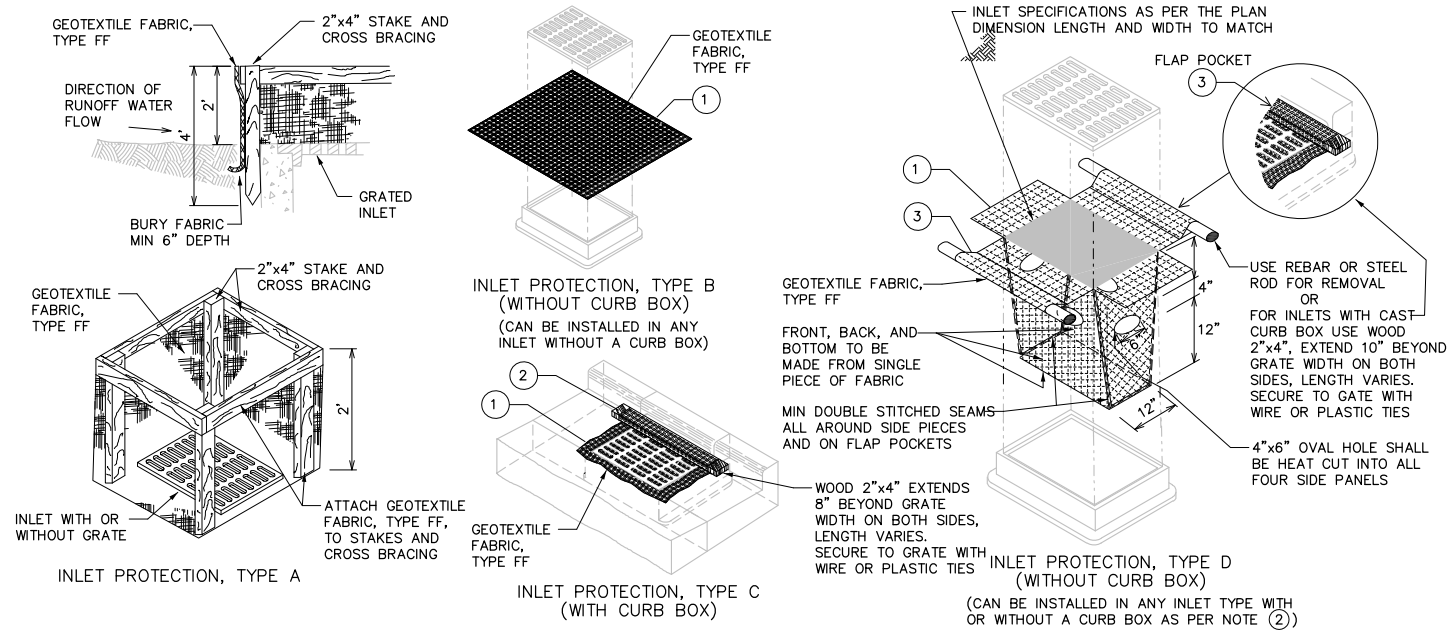
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ROCK RIVERWALK - PHASE I
WATERTOWN, WI



CROSS SECTIONS
PRELIMINARY

SHEET NO.
XS-8



GENERAL NOTES

- MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.
- WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING IN TO HE INLET SHALL BE REMOVED IMMEDIATELY.
- ① -FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.
- ② -FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.
- ③ -FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT A WOOD 2x4.

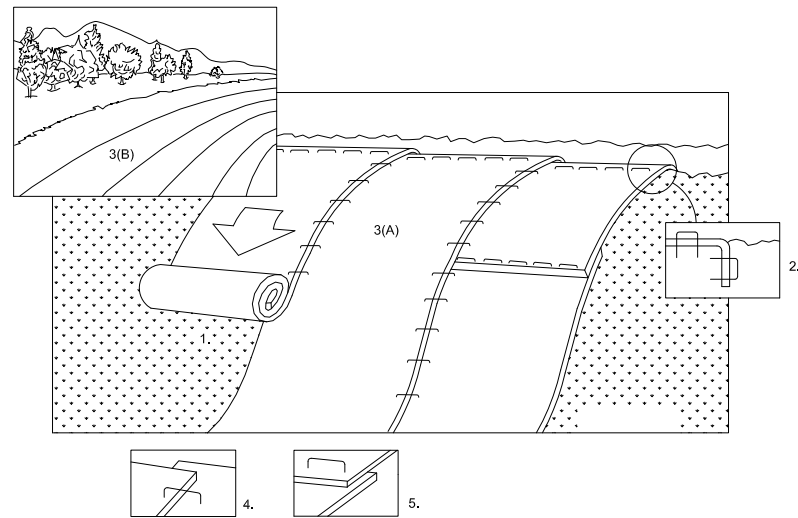
INSTALLATION NOTES

TYPE B & C:

- TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.
- THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND TYPE D:
- HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.
- DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.
- TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.
- THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

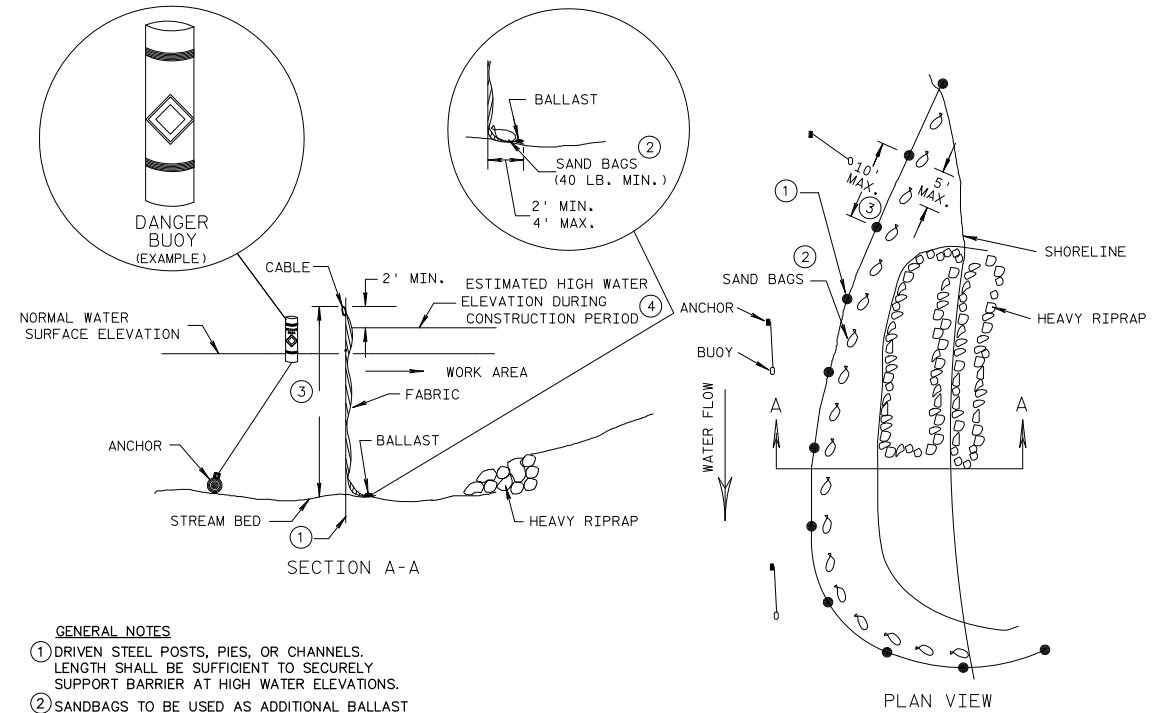
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D1
INLET PROTECTION

SCALE NTS



1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING SEED.
2. BEGIN AT THE TOP OF THE SLOPE OR CHANNEL BY ANCHORING THE BLANKET IN 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
3. ROLL THE BLANKETS (3A.) DOWN OR (3B.) HORIZONTALLY ACROSS THE SLOPE.
4. THE EDGES OF PARALLEL BLANKETS SHALL BE STAPLED WITH 4" OVERLAP.
5. WHEN BLANKETS MUST BE SPLICED DOWN THE SLOPE OR CHANNEL, PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH 6" OVERLAP. STAPLE APPROXIMATELY 12" APART.
6. ALL BLANKETS MUST BE SECURELY FASTENED TO THE SLOPE OR CHANNEL BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS RECOMMENDED BY THE MANUFACTURER.
7. USE EROSION CONTROL REVEGETATIVE MAT (ECRM) CLASS-1, TYPE-B.

2
D1
EROSION MAT INSTALLATION DETAIL



- GENERAL NOTES**
- ① DRIVEN STEEL POSTS, PIES, OR CHANNELS. LENGTH SHALL BE SUFFICIENT TO SECURELY SUPPORT BARRIER AT HIGH WATER ELEVATIONS.
 - ② SANDBAGS TO BE USED AS ADDITIONAL BALLAST WHEN ORDERED BY THE ENGINEER TO MEET ADVERSE FIELD CONDITIONS.
 - ③ ELEVATION VALUE TO BE ESTABLISHED BY THE CONTRACTOR BASED ON THE TIME OF YEAR AND DURATION OF THE ACTIVITY.

3
D1
TURBIDITY BARRIER

SCALE NTS

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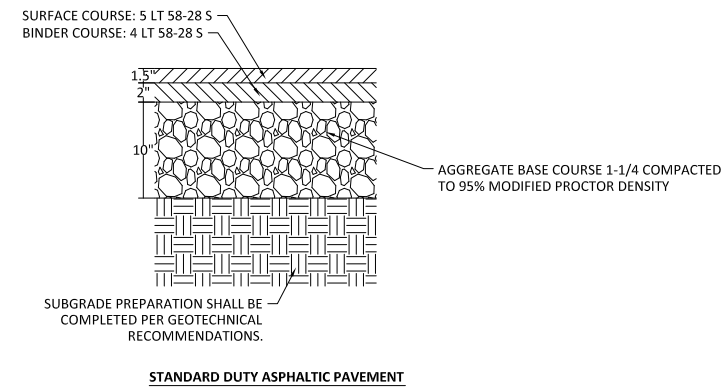
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ROCK RIVERWALK - PHASE I
WATERTOWN, WI

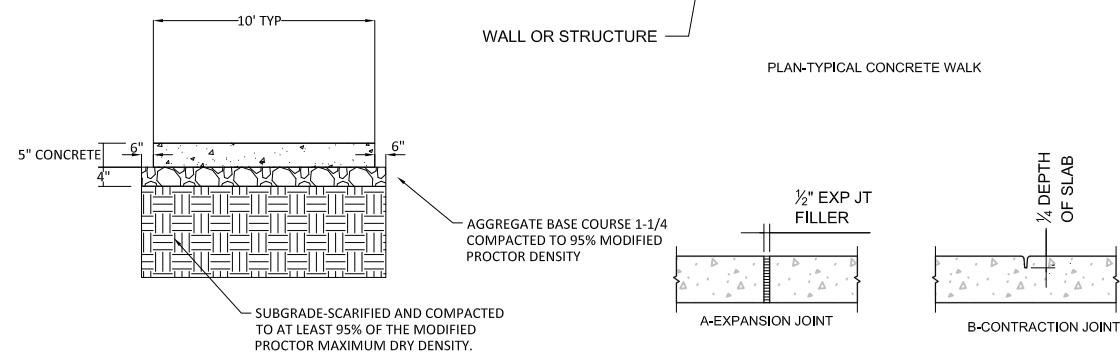


DETAILS

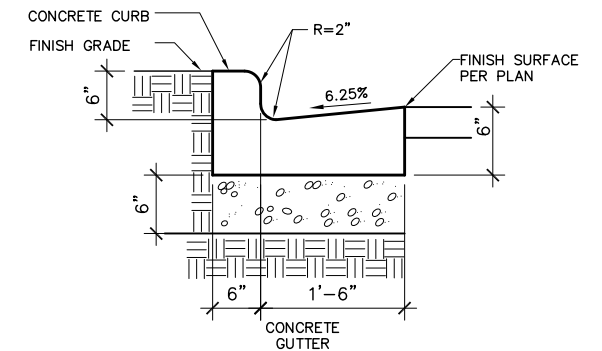
SHEET NO.
D-1



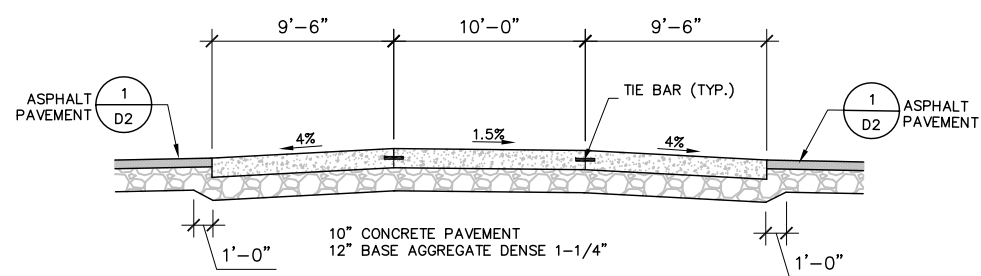
1 ASPHALT PAVEMENT
 D2 SCALE: NTS



2 CONCRETE WALK
 D2 SCALE: NTS

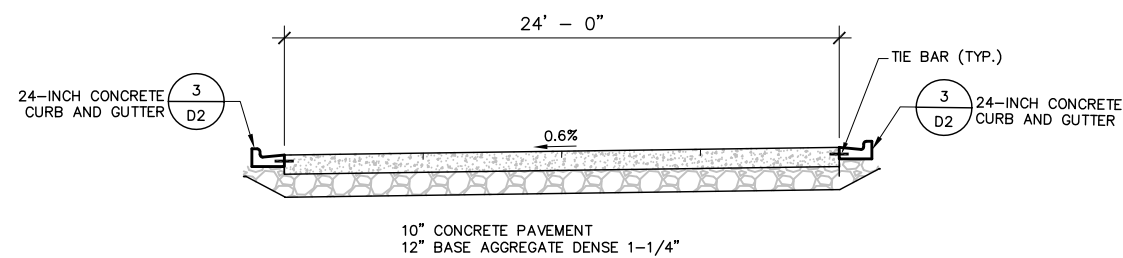


3 24-INCH CONCRETE CURB AND GUTTER
 D2 SCALE 1" = 1'-0"

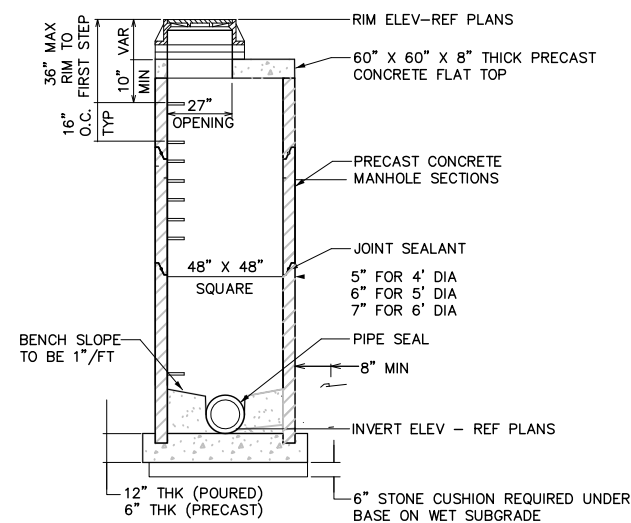


SECTION VIEW LOOKING WEST TOWARD THE ROCK RIVER

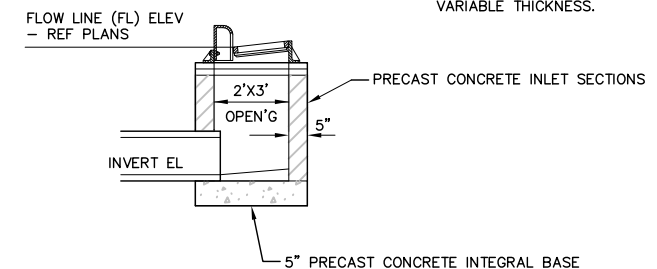
NEENAH INLET CASTING: TYPE C
 ADJUST FRAME TO GRADE WITH A MINIMUM OF TWO ADJUSTING RINGS TOTALING 6" MIN TO 12" MAX



SECTION VIEW LOOKING NORTH



5 MANHOLES 4X4-FT
 D2 SCALE: NTS



6 INLETS 2X3-FT
 D2 SCALE: NTS

4 TABLETOP CROSSWALK
 D2 SCALE: NTS

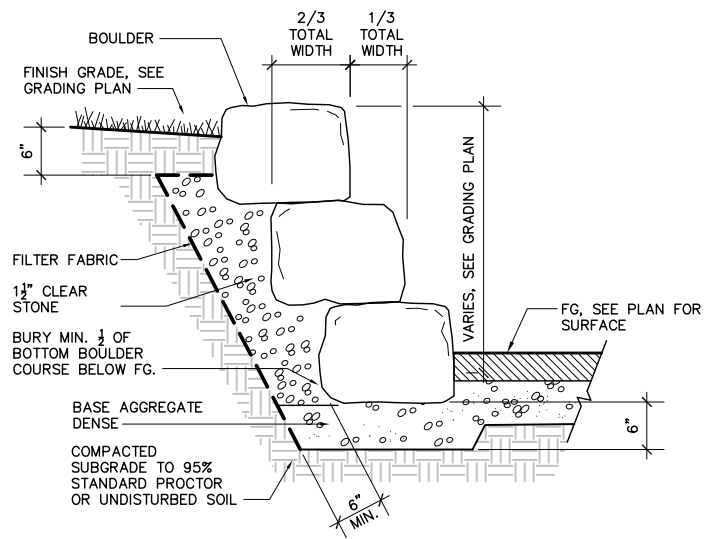
T:\162517 - Watertown Rock River Walkway\WDCAD\DWG_Layout\02_Pavement

DES BY	--	PROJ NO	24-0294.00				
DR BY	SK	DATE	90% REVIEW	NO	DATE	REVISION	
CHK BY	--						

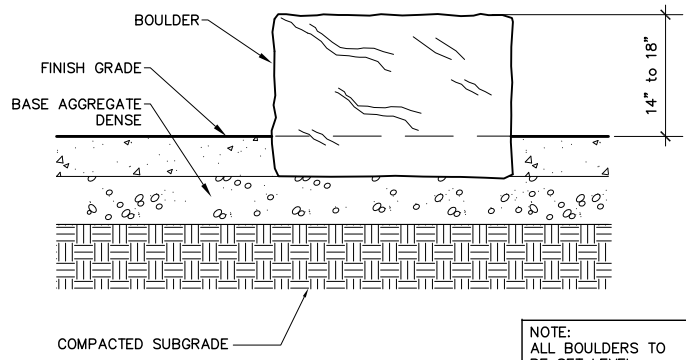
ROCK RIVERWALK - PHASE I
 WATERTOWN, WI



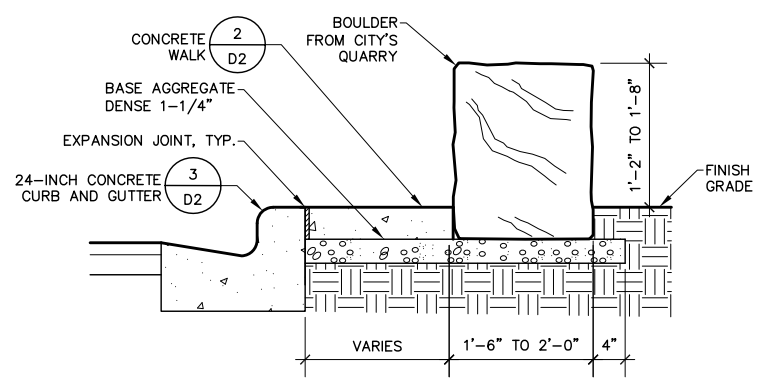
DETAILS



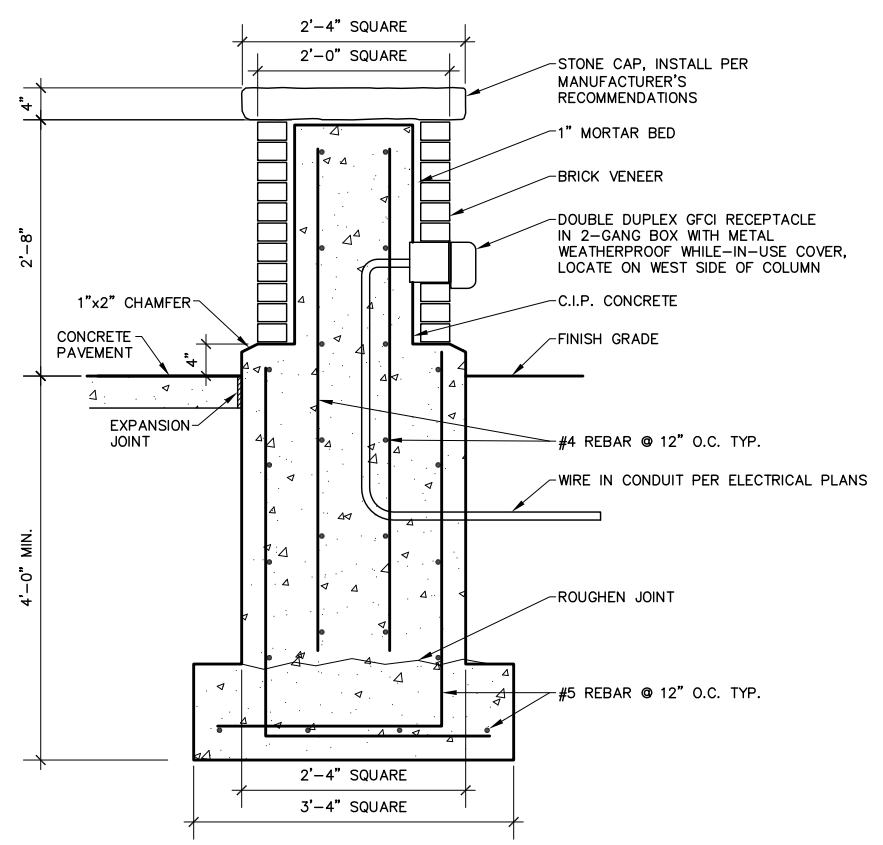
1 RETAINING WALL
D3
SCALE 1" = 1'-0"



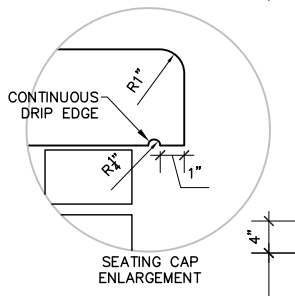
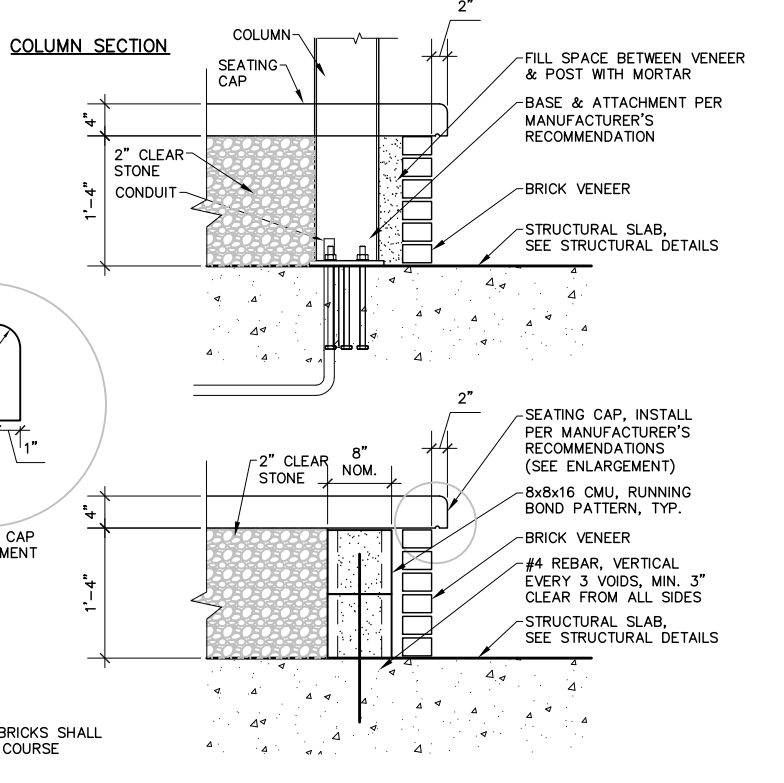
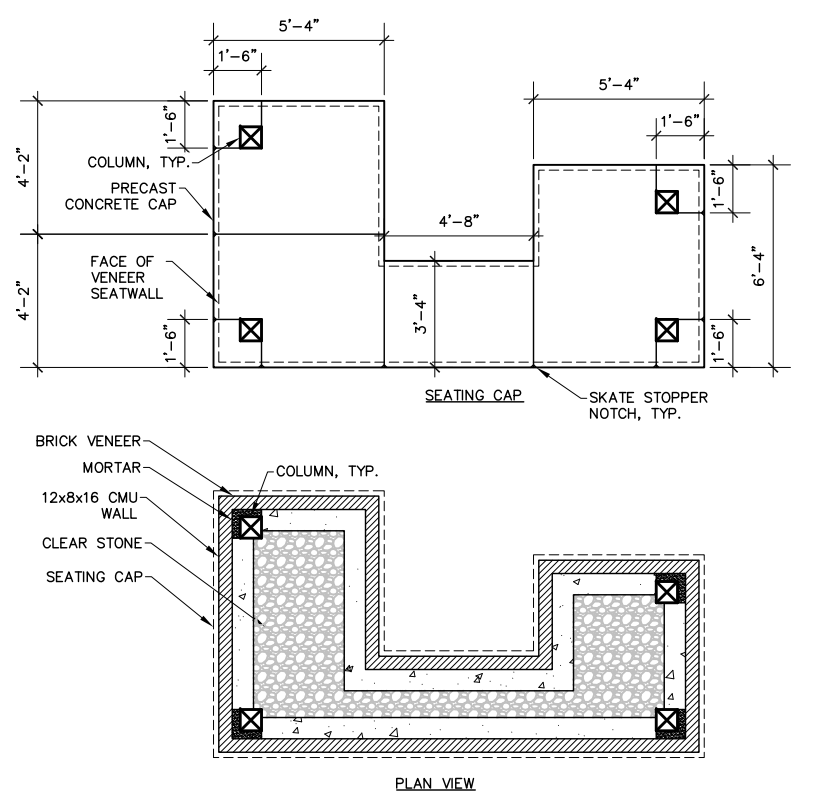
2 BOULDER IN CONCRETE
D3
NTS
NOTE: ALL BOULDERS TO BE SET LEVEL.



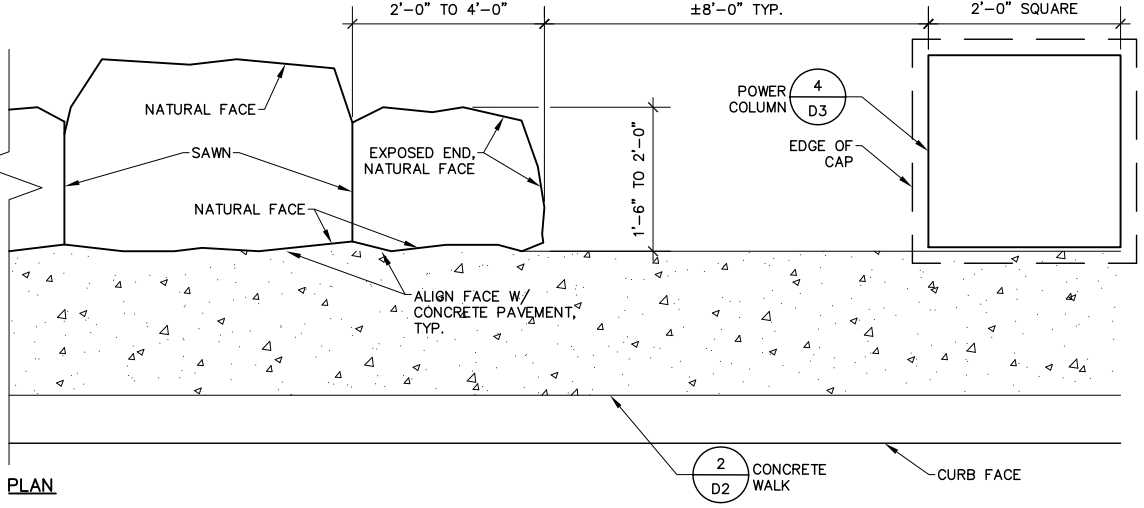
3 BOULDER SEATWALL
D3
NOTES:
1. ALL BOULDERS TO BE FINISHED WITH SAWN INTERIOR ENDS, NATURAL TOP, AND SPLIT FACED SIDES AND EXPOSED ENDS.
2. 1/2" MAXIMUM GAP BETWEEN BOULDERS.
3. ALL BOULDERS TO BE ALIGNED WITH CONCRETE PAVEMENT



4 POWER COLUMN
D3
SCALE 1/2" = 1'-0"



5 VENEER SEATWALL
D3
SCALE NTS



PLAN
D3
NTS

T:\162517 - Waterloo Rock River Walkway\WDCAD\DWG - Layout\03_Walls

DES BY	--								
DR BY	SK	PROJ NO	24-0294.00						
CHK BY	--	DATE	90% REVIEW	NO	DATE	REVISION	NO	DATE	REVISION

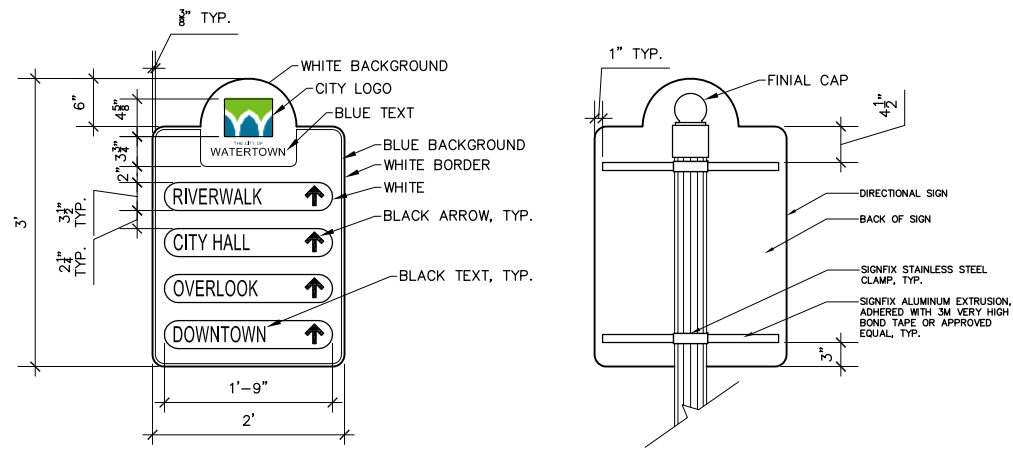
ROCK RIVERWALK - PHASE I
WATERTOWN, WI



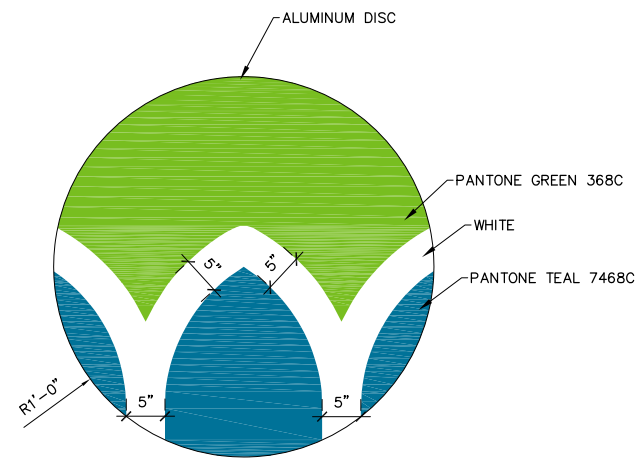
DETAILS

SHEET NO.
D-3

- NOTES:**
1. INSTALL PER MANUFACTURER'S RECOMMENDATIONS
 2. SIGNS ARE TYPE II - TYPE H REFLECTIVE.
 3. LOGO GRAPHIC AVAILABLE FROM THE CITY.
 4. SIGN GRAPHIC IN AUTOCAD FORMAT IS AVAILABLE FROM ENGINEER UPON REQUEST.
 5. FONT IS VERDANA.
 6. TEXT SIZE: 1-3/4"
 7. ALUMINUM SIGN BLANK TO BE MINIMUM 0.10" THICK.

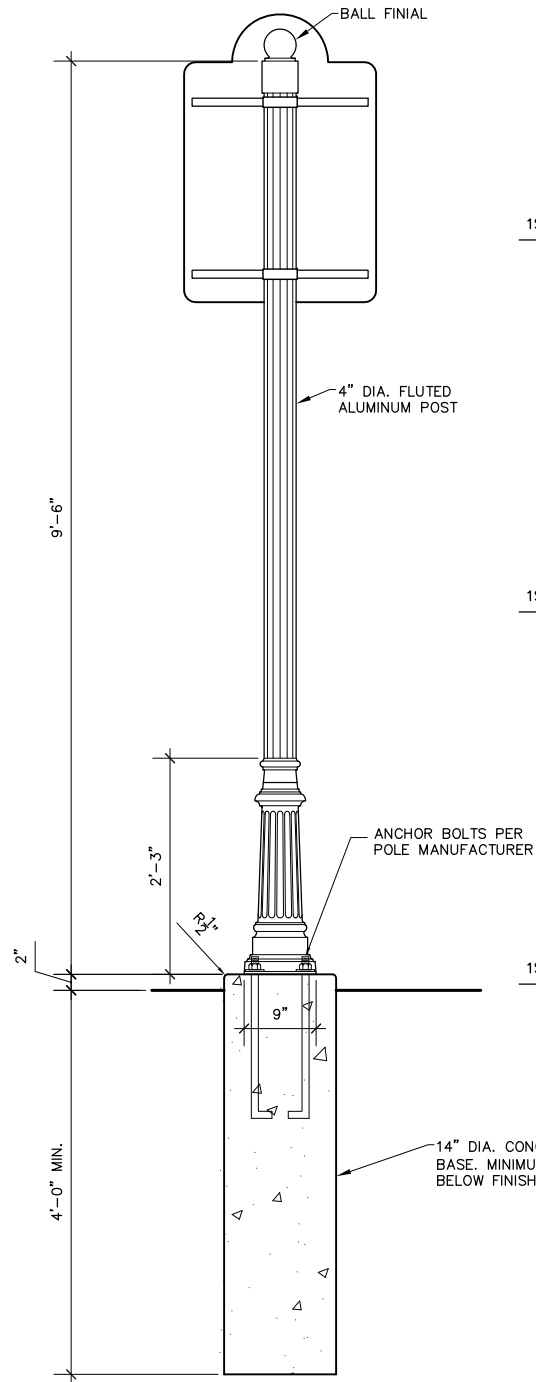


1 SIGN LAYOUT & MOUNTING
D4



- NOTES:**
1. SEE ELECTRICAL DETAILS.
 2. PROVIDE SHOP DRAWINGS SHOWING MOUNTING TO LIGHT ARM.

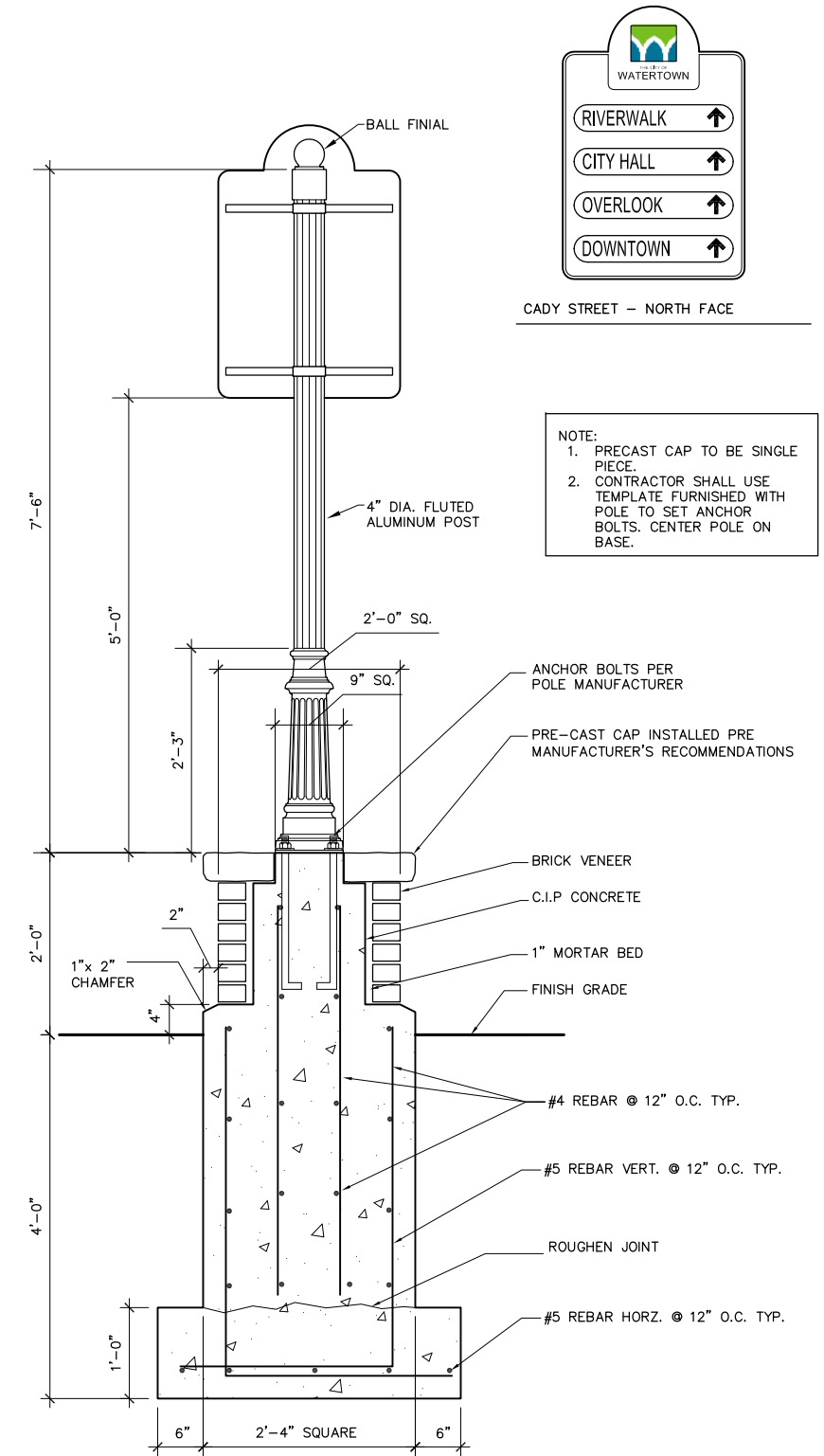
2 SIGN DISC
D4 SCALE 1" = 1'-0"



3 WAYFINDING SIGN - TYPE A
D4



SCALE 1/2" = 1'-0"



- NOTE:**
1. PRECAST CAP TO BE SINGLE PIECE.
 2. CONTRACTOR SHALL USE TEMPLATE FURNISHED WITH POLE TO SET ANCHOR BOLTS. CENTER POLE ON BASE.

4 WAYFINDING SIGN - TYPE B
D4

SCALE 1/2" = 1'-0"

ROCK RIVERWALK - PHASE I
WATERTOWN, WI



DETAILS

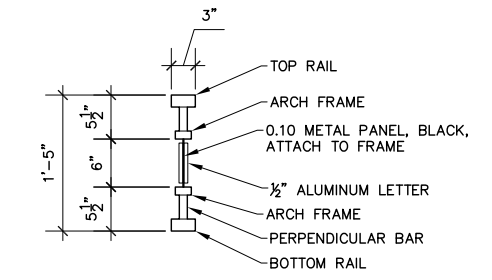
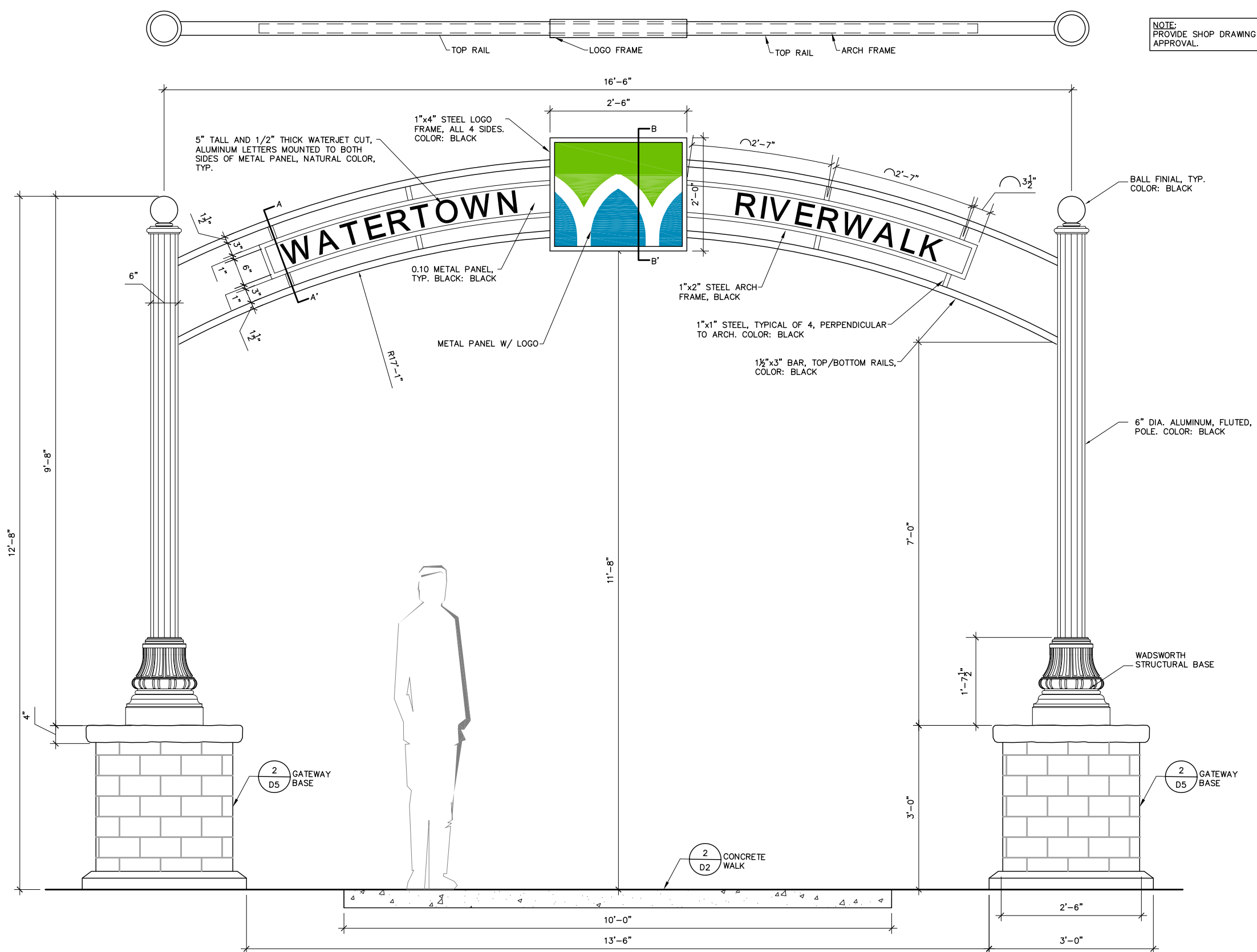
SHEET NO.
D-4

T:\162517 - Watertown Rock River Walkway\WDCAD\DWG_Layout\04_Signage

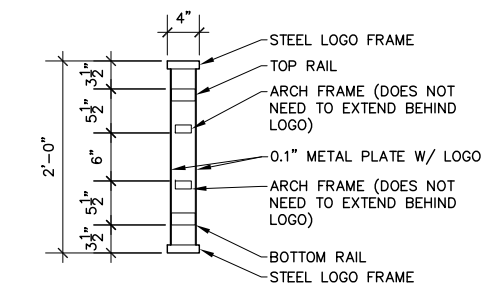
DES BY	--	PROJ NO	24-0294.00						
DR BY	SK	DATE	90% REVIEW	NO	DATE	REVISION	NO	DATE	REVISION
CHK BY	--								

PLAN VIEW

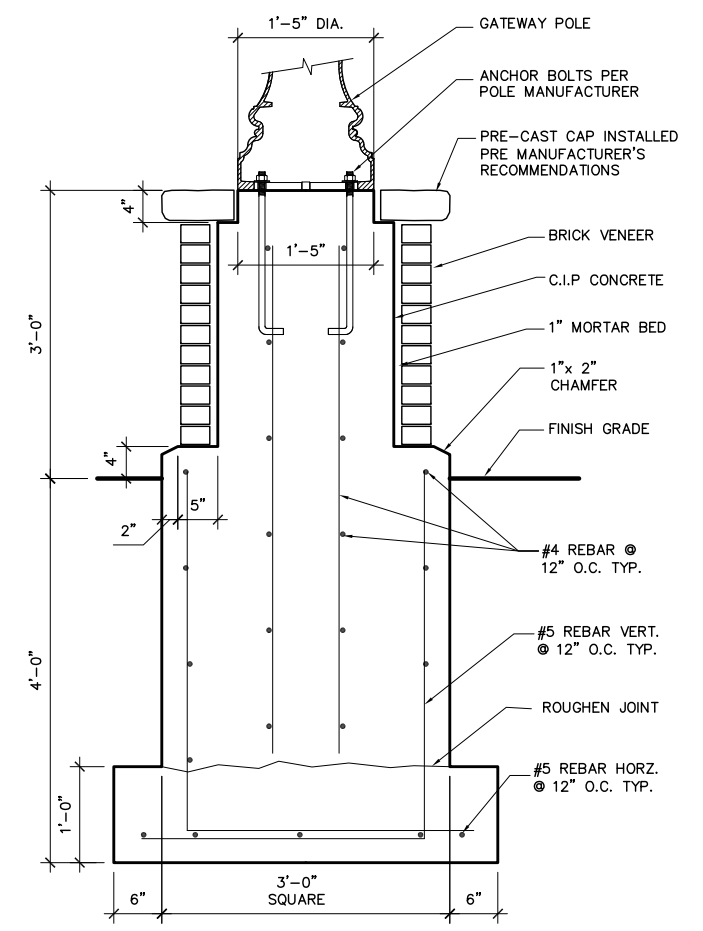
NOTE:
PROVIDE SHOP DRAWING FOR
APPROVAL.



SECTION A-A'
SCALE 1/2" = 1'-0"



SECTION B-B'
SCALE 1/2" = 1'-0"



2 GATEWAY BASE
SCALE 1/2" = 1'-0"

1 GATEWAY
D5

SCALE 1/2" = 1'-0"

11/16/2017 \\sullivan\rock_river_walkway\WDCAD\DWG_Layout\05_Gateway

DES BY	--	PROJ NO	24-0294.00						
DR BY	SK	DATE	90% REVIEW	NO	DATE	REVISION	NO	DATE	REVISION
CHK BY	--								

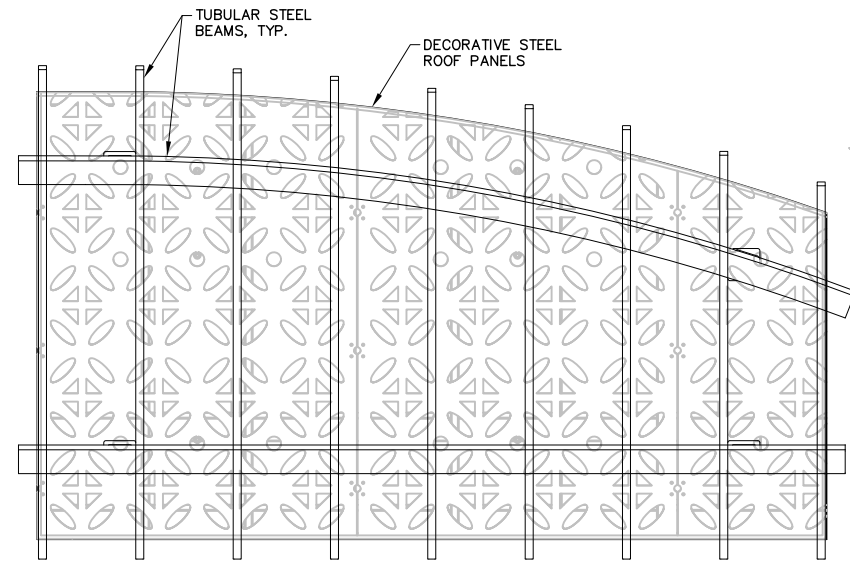
ROCK RIVERWALK - PHASE I
WATERTOWN, WI



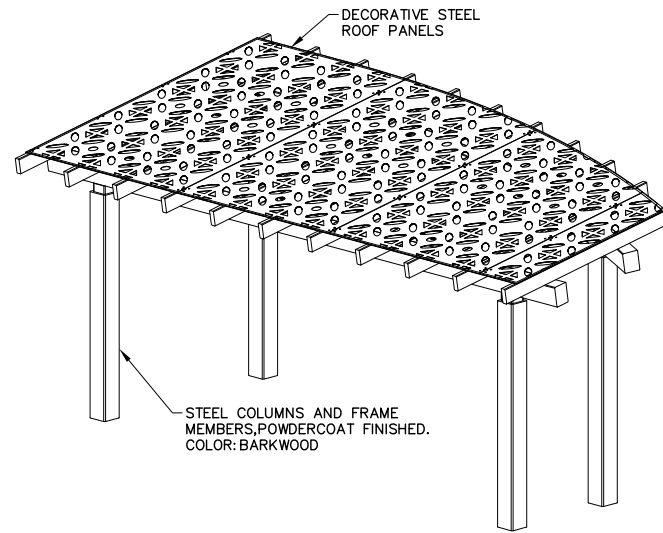
DETAILS

SHEET NO.
D-5

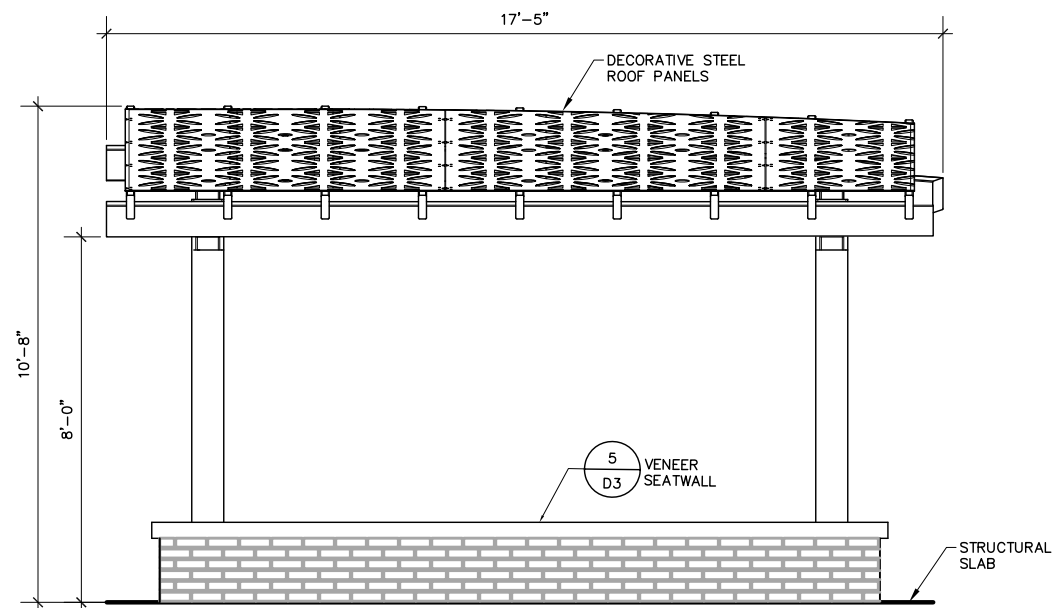
- NOTES:
 1. PROVIDE SHOP DRAWINGS
 2. FOOTING DESIGN BY MANUFACTURER



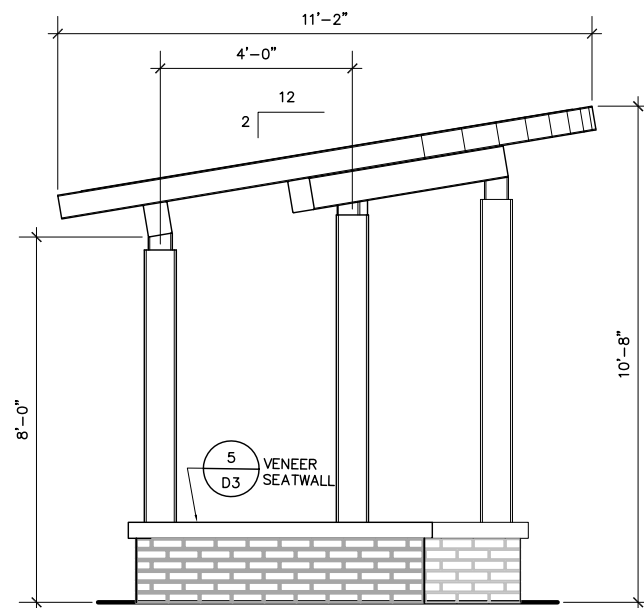
PLAN VIEW



ISOMETRIC VIEW



SIDE ELEVATION



END ELEVATION

1 OVERLOOK SHELTER
 D6

SCALE NTS

T:\162517 - Watertown Rock River Walkway\162517\CAD\DWG\Layout_06_Shelter

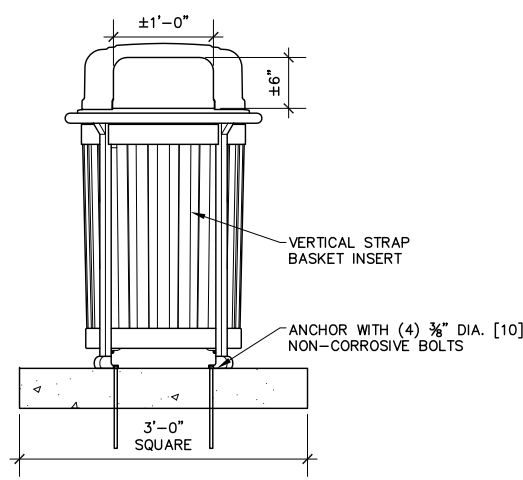
DES BY	--	PROJ NO	24-0294.00				
DR BY	SK	DATE	90% REVIEW	NO	DATE	REVISION	
CHK BY	--						

ROCK RIVERWALK - PHASE I
 WATERTOWN, WI

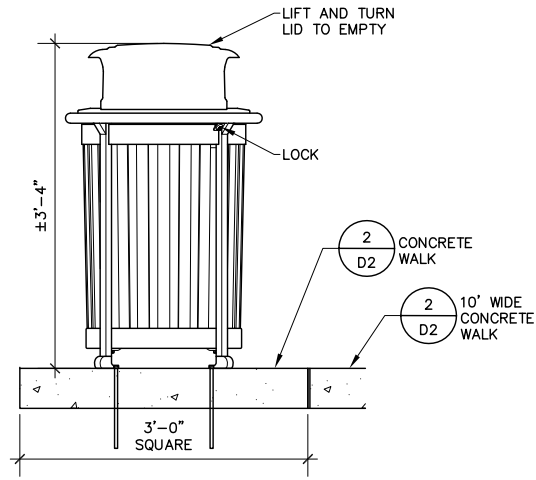


DETAILS

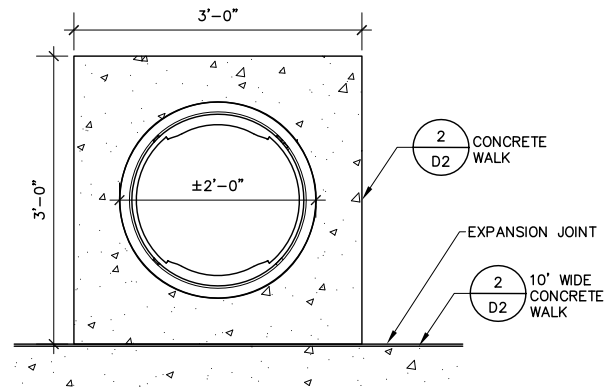
SHEET NO.
 D-6



FRONT VIEW



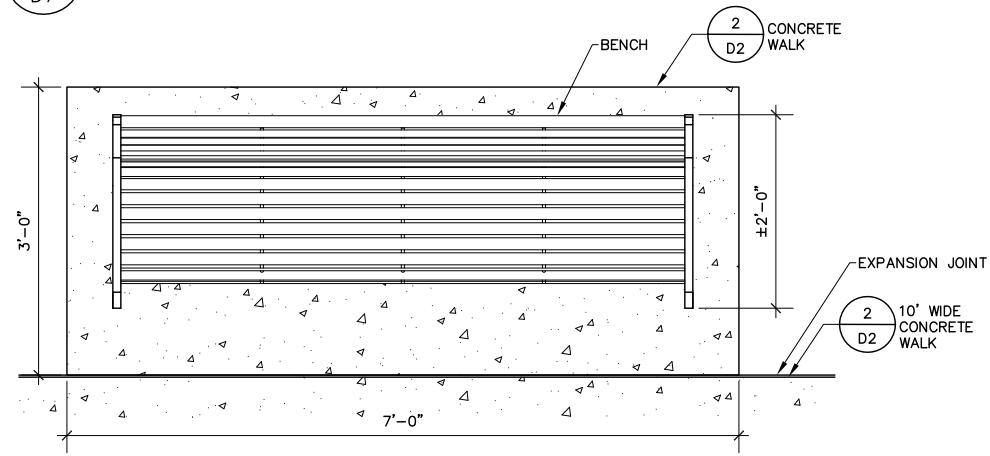
SIDE VIEW



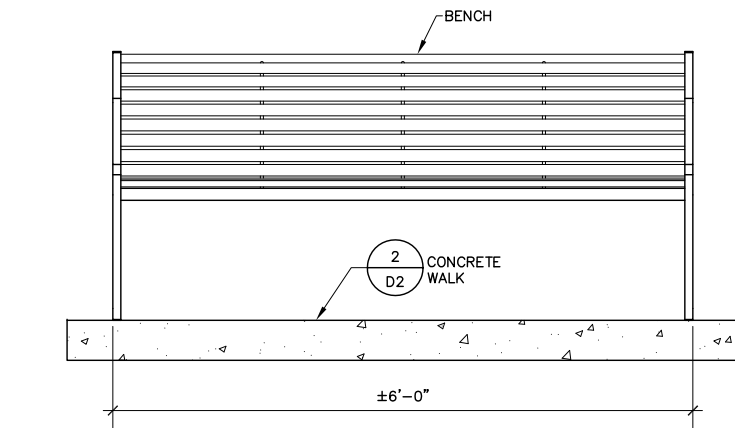
PLAN VIEW

1 TRASH RECEPTACLE
D7

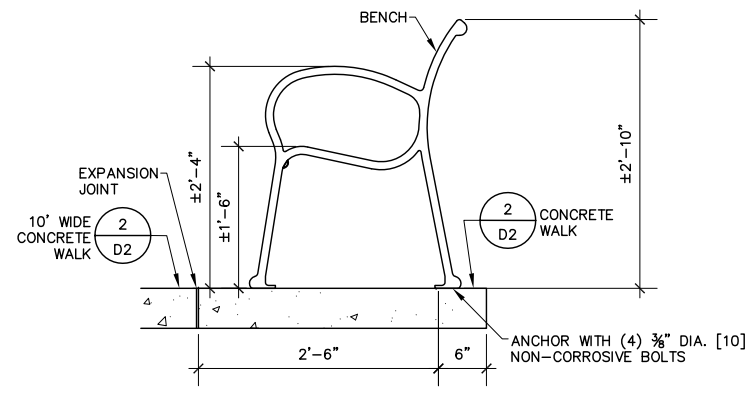
SCALE 1/2" = 1'-0"



PLAN VIEW



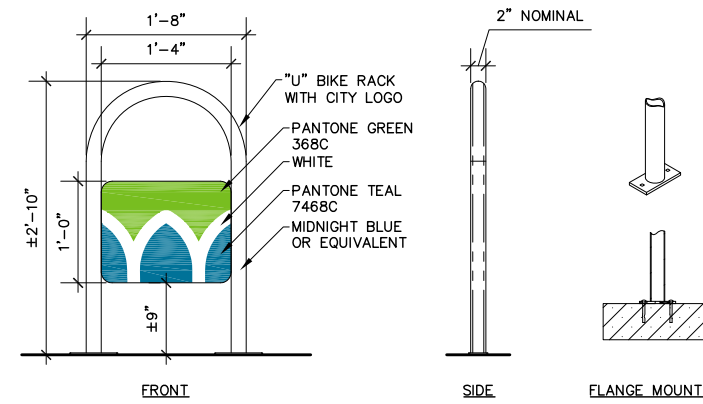
FRONT VIEW



SIDE VIEW

2 SEATING AREA
D7

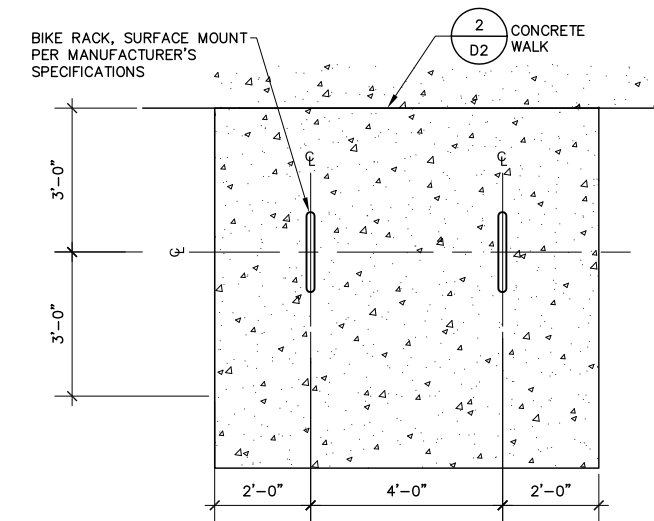
SCALE 1/2" = 1'-0"



NOTES:
1. SURFACE MOUNT BIKE RACKS PER MANUFACTURER'S SPECIFICATIONS

BIKE RACK

SCALE 1/2" = 1'-0"



3 BICYCLE PARKING
D7

SCALE 1/4" = 1'-0"

T:\162517 - Watertown Rock River Walkway\WDCAD\DWG_Layout\07_Railing_furnishing

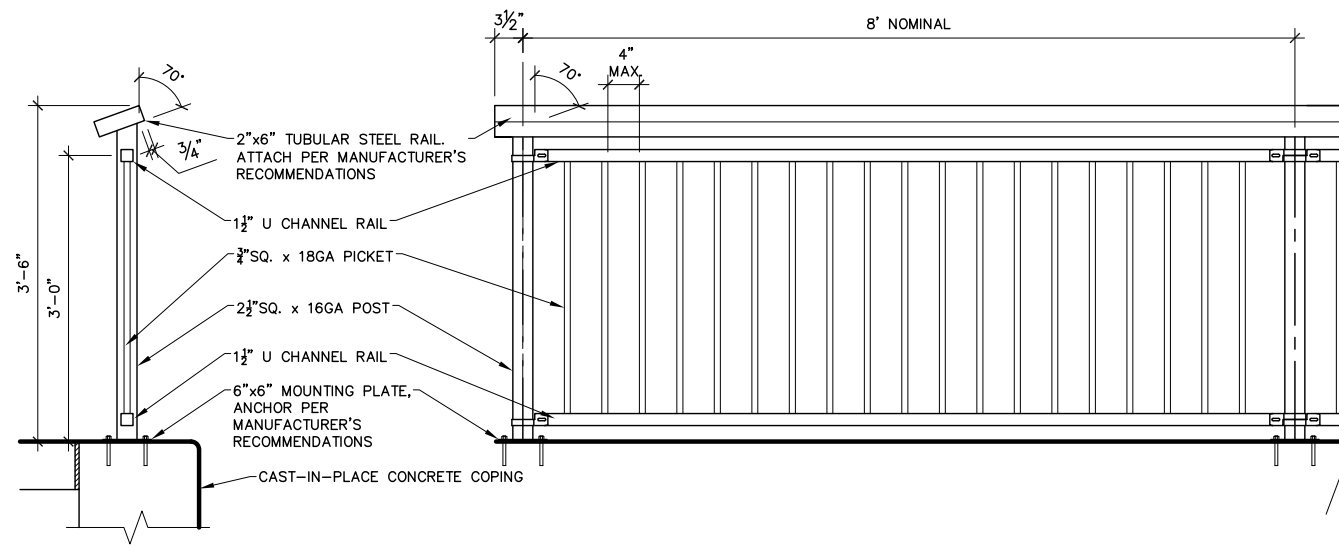
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DR BY	SK	DATE	90% REVIEW	NO	DATE	REVISION	NO	DATE	REVISION
CHK BY	--								

ROCK RIVERWALK - PHASE I
WATERTOWN, WI



DETAILS

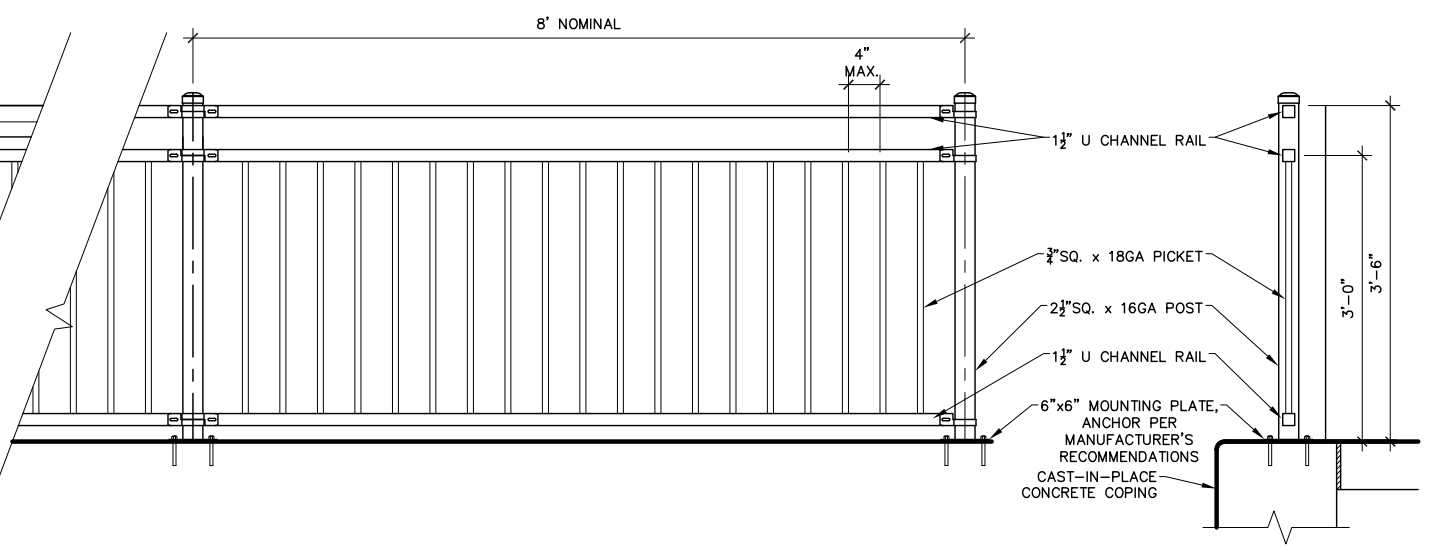
SHEET NO.
D-7



NOTE: ALL RAILS TO BE PLUMB

1 RAILING - TYPE 1
D8

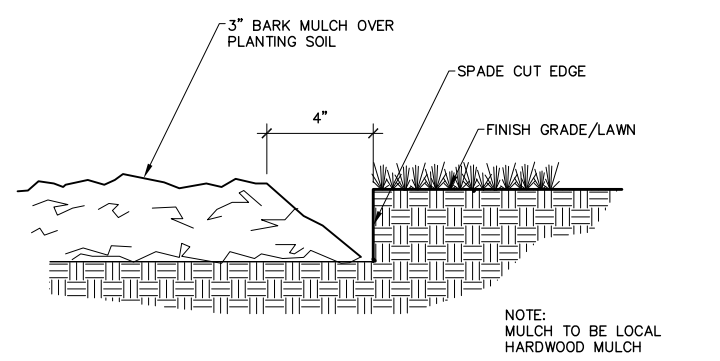
SCALE 1/2" = 1'-0"



NOTE: ALL RAILS TO BE PLUMB

3 RAILING - TYPE 2
D8

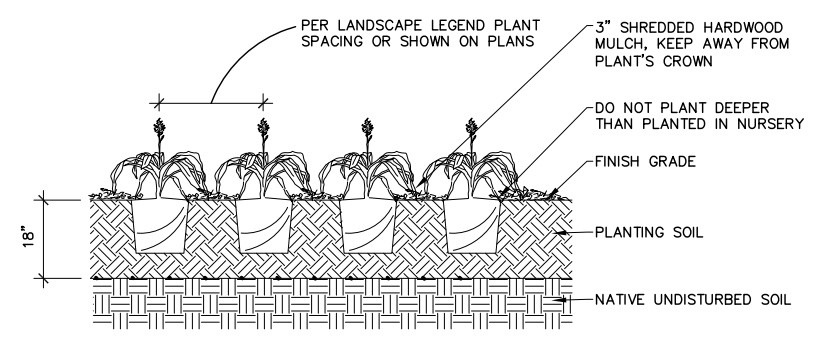
SCALE 1/2" = 1'-0"



NOTE: MULCH TO BE LOCAL HARDWOOD MULCH

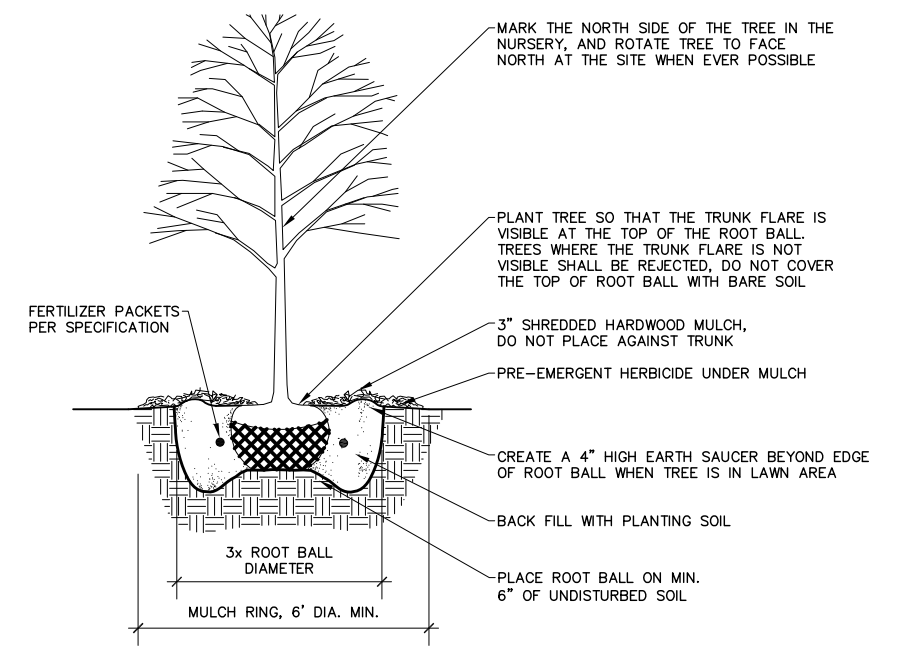
2 SHOVEL CUT EDGE
D8

NTS



4 PERENNIAL PLANTING DETAIL
D8

NTS



NOTES:
1. DO NOT HEAVILY PRUNE THE TREE AT PLANTING, PRUNE ONLY CROSSOVER LIMBS, CO-DOMINANT LEADERS, AND BROKEN OR DEAD BRANCHES. SOME INTERIOR TWIGS AND LATERAL BRANCHES MAY BE PRUNED; HOWEVER, DO NOT REMOVE THE TERMINAL BUDS OF BRANCHES THAT EXTEND TO THE EDGE OF THE CROWN
2. STAKE TREES ONLY UPON THE APPROVAL OF THE LANDSCAPE ARCHITECT
3. WRAP TREE TRUNKS ONLY UPON THE APPROVAL OF THE LANDSCAPE ARCHITECT
4. REMOVE ALL TWINE, ROPE, WIRE, AND BURLAP FROM TOP AND SIDES OF ROOT BALL.

5 B&B TREE PLANTING DETAIL
D8

NTS

T:\162517 - Watertown Rock River Walkway\WTD\CAD\DWG_Layout\08_Landscape

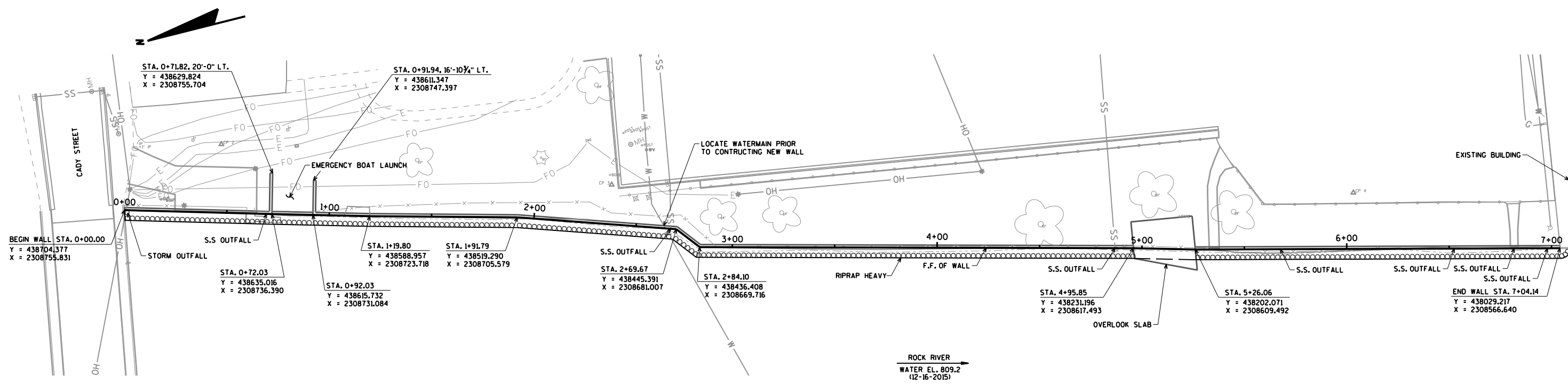
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DR BY	SK	DATE	90% REVIEW	NO	DATE	REVISION	NO	DATE	REVISION
CHK BY	II								

ROCK RIVERWALK - PHASE I
WATERTOWN, WI

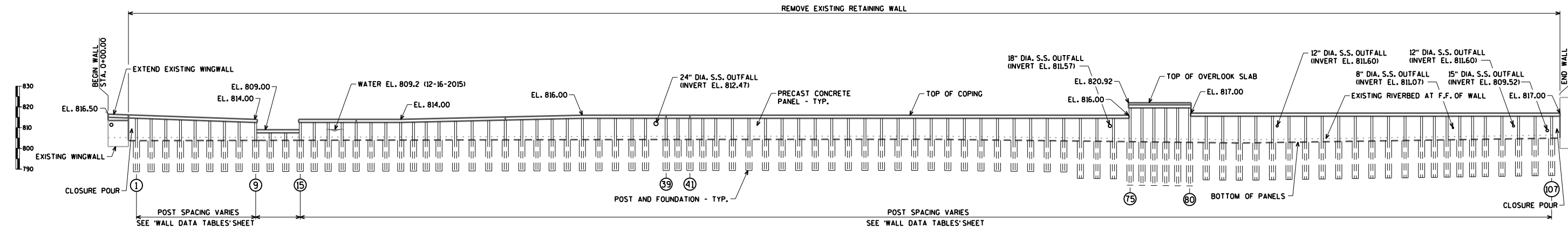


DETAILS

SHEET NO.
D-8



PLAN
POST AND PANEL RETAINING WALL WITH CONCRETE CAP



ELEVATION
(LOOKING @ FRONT FACE OF WALL)

ALL STATIONS & DIMENSIONS ARE MEASURED ALONG FRONT FACE.
SEE 'WALL DATA TABLES SHEET' FOR STATIONING, TOP OF WALL ELEVATIONS, AND POST AND PANEL DIMENSIONS.
COORDINATE LOCATION OF STORM SEWER OUTFALLS WITH PLAN AND PROFILE SHEETS.

(X) INDICATES POST NUMBER
FOUNDATIONS SHOWN IN ELEVATION VIEW ARE FOR ILLUSTRATION PURPOSES. SEE 'WALL DATA TABLES SHEET' FOR NUMBER, LOCATION, AND DEPTH OF EACH DRILLED SHAFT.
FOR JOINT DETAILS SEE 'WALL DETAILS AND NOTES' SHEET.
F.F. DENOTES FRONT FACE
S.S. DENOTES STORM SEWER

AA-Standard.sdb
U:\24\0294.00 - Watertown Riverwalk\Structures\CADD\As Reviewed from Waukesha 16-09-12\WATERTOWN RW PLAN BORDER.dwg, Layout: Model

DES BY	JWZ	BOOK NO	-	-	-	-	-	-	-
DR BY	JWZ	PROJ NO	24-0294.00	-	-	-	-	-	-
CHK BY	DNS	DATE	90% REVIEW	NO	DATE	REVISION	NO	DATE	REVISION

ROCK RIVERWALK - PHASE I
WATERTOWN, WI



RETAINING WALL PLAN

SHEET NO.
ST-1

DESIGN DATA

LIVE LOAD:

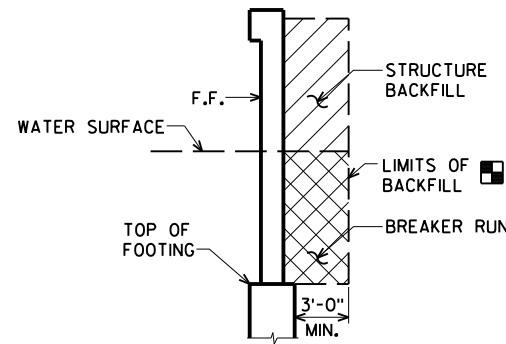
WALL SURCHARGE: 100 p.s.f.
 OVERLOOK PEDESTRIAN LOAD: 90 p.s.f.

MATERIAL PROPERTIES:

CONCRETE MASONRY { PRECAST PANELS, OVERLOOK SLAB, & OVERLOOK BEAM $f'_c = 4,000$ p.s.i.
 { ALL OTHER $f'_c = 3,500$ p.s.i.
 HIGH STRENGTH BAR STEEL REINFORCEMENT (GRADE 60) $f_y = 60,000$ p.s.i.
 HIGH STRENGTH STRUCTURAL STEEL (GRADE A992) $f_y = 50,000$ p.s.i.

FOUNDATION (SPREAD FOOTING)

REQ'D. BEARING RESISTANCE: 2000 p.s.f.



BACKFILL STRUCTURE LIMITS

AT RETAINING WALLS

BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS SHOWN OR NOTED OTHERWISE.

ALL BAR STEEL REINFORCEMENT SHALL BE EPOXY COATED.

BEVEL EXPOSED EDGES OF CONCRETE $\frac{3}{4}$ " UNLESS NOTED OTHERWISE.

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF $\frac{1}{2}$ " FILLER WITH NON-STAINING GREY NON-ASPHALTIC JOINT SEALER (1" DEEP AND HOLD $\frac{1}{8}$ " BELOW SURFACE OF CONCRETE).

JOINT FILLER SHALL CONFORM TO THE REQUIREMENTS OF AASHTO DESIGNATION M153, TYPE I, II, OR III, OR AASHTO DESIGNATION M213.

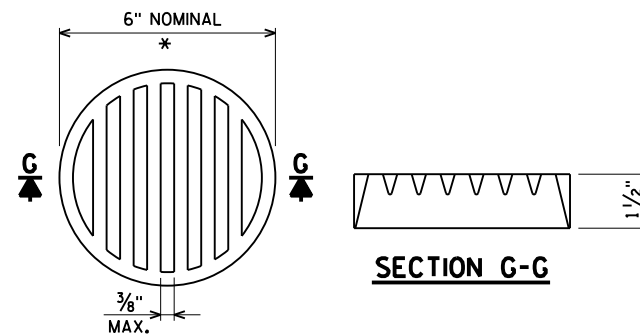
THE COLOR OF THE FINISH TOP COAT OF THE STEEL POSTS, PLATES, AND CAP SHALL BE _____ (FEDERAL COLOR NO. _____ OR A SIMILAR COLOR AS APPROVED BY THE ENGINEER). THE TOP COAT SHALL EXTEND FROM THE TOP OF POST TO 1'-0" BELOW THE TOP OF FOOTING. PAINTING IS TO BE COMPLETED PRIOR TO SETTING POSTS.

CONCRETE PANELS TO BE STAINED _____ (FEDERAL COLOR NO. _____) AND COPING SHALL BE STAINED _____ (FEDERAL COLOR NO. _____).

THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES. ADDITIONAL UTILITIES NOT SHOWN ON THIS PLAN MAY BE PRESENT.

AT THE BACKFACE OF THE WALLS, ALL VOLUME WHICH CANNOT BE PLACED BEFORE WALL CONSTRUCTION AND NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL AND BREAKER RUN AS SHOWN.

THE EXISTING WALLS LOCATED ALONG THE PROPOSED ALIGNMENT SHALL BE REMOVED PRIOR TO PLACEMENT OF THE PROPOSED WALL.



* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 x 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

RODENT SHIELD DETAIL

AA-Standard.sdb
 U:\24-0294.00 - Watertown Riverwalk\Structures\CADD\As Reworked from Waukesha 16-09-12\WATERTOWN RW PLAN BORDER.dwg, Layout: Model

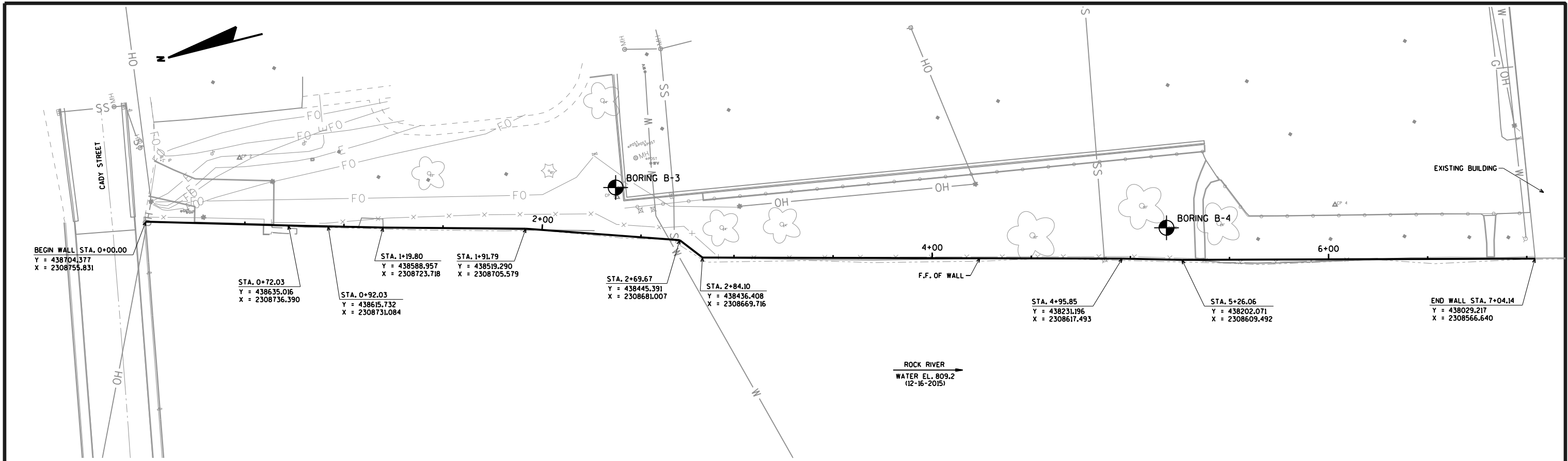
DES BY	JWZ	BOOK NO	-	-	-	-	-	-	-
DR BY	JWZ	PROJ NO	24-0294.00	-	-	-	-	-	-
CHK BY	DNS	DATE	90% REVIEW	NO	DATE	REVISION	NO	DATE	REVISION

ROCK RIVERWALK - PHASE I
 WATERTOWN, WI



NOTES AND DETAILS

SHEET NO.
 ST-2



SUBSURFACE EXPLORATION PLAN

BORINGS & REPORT COMPLETED BY: PROFESSIONAL SERVICE INDUSTRIES, INC.
 APPROXIMATE LOCATIONS FOR BORINGS B-3 AND B-4 SHOWN. BORINGS B-3A AND B-4A LOCATED WITHIN 5' OF BORINGS B-3 AND B-4.
 FOR BORING LOGS, SEE SHEETS ST-4 AND ST-5.

AA-Standard.sdb
 U:\24-0294.00 - Watertown Riverwalk\Structures\CADD\As Redlined from Waukesha 16-09-12\WATERTOWN RW PLAN BORDER.dwg Layout: Model

DES BY	JWZ	BOOK NO	-						
DR BY	JWZ	PROJ NO	24-0294.00						
CHK BY	DNS	DATE	90% REVIEW	NO	DATE	REVISION	NO	DATE	REVISION

ROCK RIVERWALK - PHASE I
 WATERTOWN, WI



SUBSURFACE EXPLORATION PLAN

SHEET NO.
ST-3

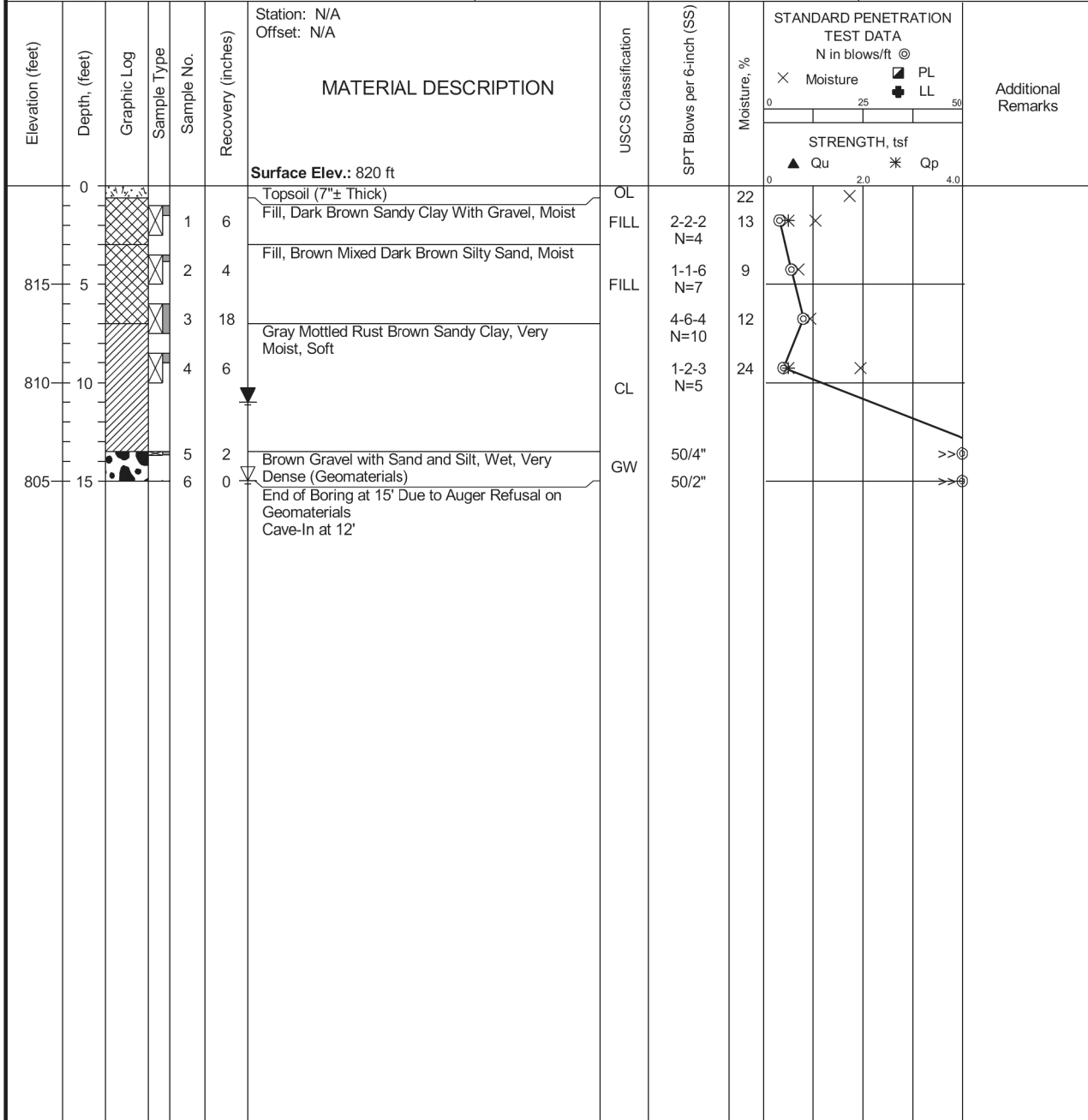


Professional Service Industries, Inc.
821 Corporate Court
Waukesha, WI 53189
Telephone: (262) 521-2125
Fax: (262) 521-2471

LOG OF BORING B-3

Sheet 1 of 1

PSI Job No.: 00521460	Drilling Method: Hollow Stem Auger	WATER LEVELS
Project: Proposed Rock River Walkway	Sampling Method: 2-in SS	▽ While Drilling 15 feet
Location: East Side of Rock River	Hammer Type: Automatic	▼ Upon Completion 11 feet
From E. Cady St. to E. Main St. Watertown, Wisconsin	Boring Location: North End of Wall	▼ Delay N/A



Completion Depth: 15.0 ft	Sample Types:	Shelby Tube	Latitude:
Date Boring Started: 12/29/15	Auger Cutting	Hand Auger	Longitude:
Date Boring Completed: 12/29/15	Split-Spoon	Calif. Sampler	Drill Rig: 420
Logged By: DZ	Rock Core	Texas Cone	Remarks:
Drilling Contractor: PSI, Inc.			

The stratification lines represent approximate boundaries. The transition may be gradual.

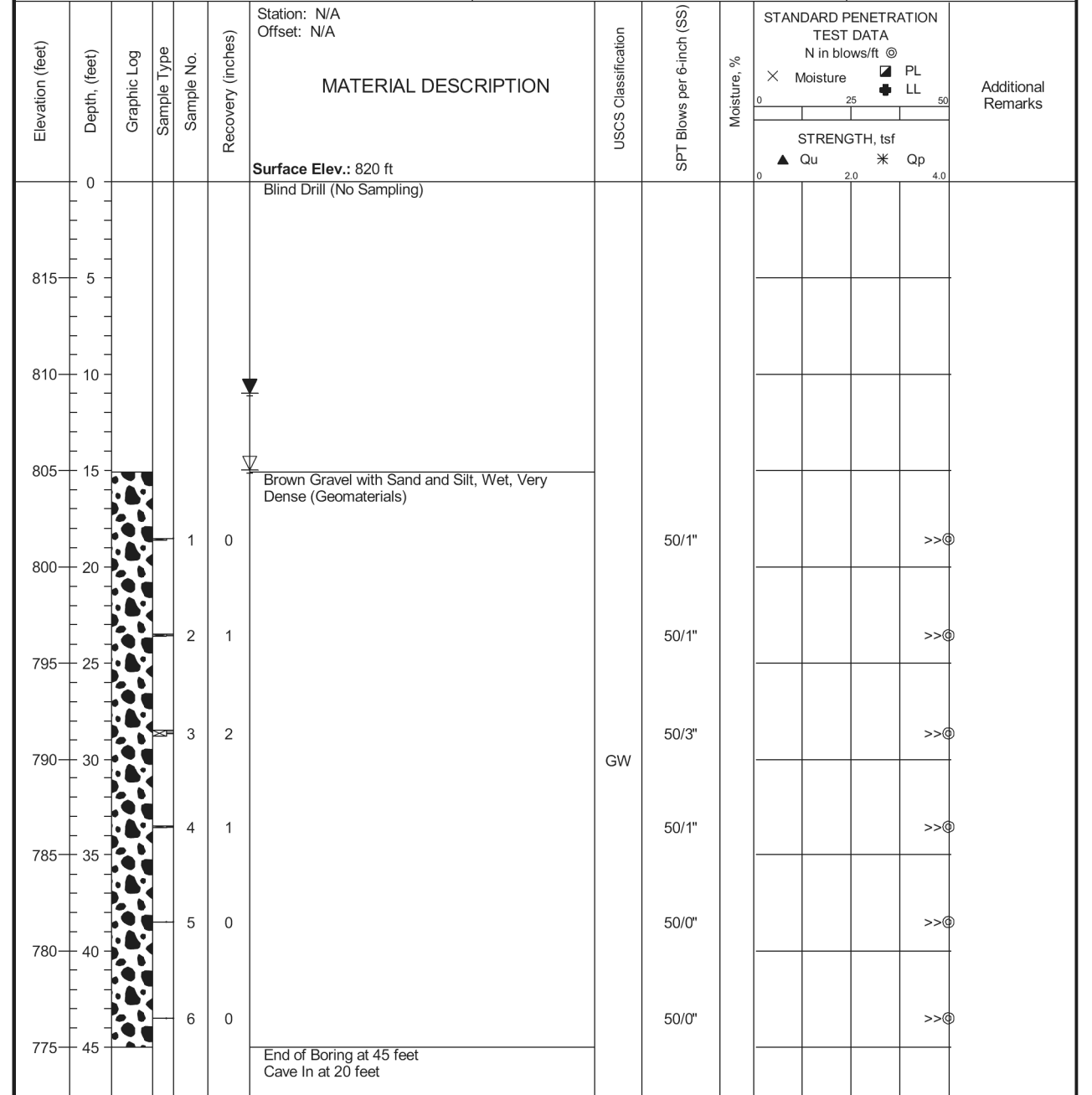


Professional Service Industries, Inc.
821 Corporate Court
Waukesha, WI 53189
Telephone: (262) 521-2125
Fax: (262) 521-2471

LOG OF BORING B-3A

Sheet 1 of 1

PSI Job No.: 00521460	Drilling Method: Hollow Stem Auger	WATER LEVELS
Project: Proposed Rock River Walkway	Sampling Method: 2-in SS	▽ While Drilling 15 feet
Location: East Side of Rock River	Hammer Type: Automatic	▼ Upon Completion 11 feet
From E. Cady St. to E. Main St. Watertown, Wisconsin	Boring Location: North End of Wall	▼ Delay N/A



Completion Depth: 45.0 ft	Sample Types:	Shelby Tube	Latitude:
Date Boring Started: 11/14/16	Auger Cutting	Hand Auger	Longitude:
Date Boring Completed: 11/14/16	Split-Spoon	Calif. Sampler	Drill Rig: 419
Logged By: JF	Rock Core	Texas Cone	Remarks:
Drilling Contractor: PSI, Inc.			

The stratification lines represent approximate boundaries. The transition may be gradual.

AA-Standard.snb
U:\24-0294.00 - Watertown Riverwalk\Structures\CADD\As Reviewed from Waukesha 16-09-12\WATERTOWN RW PLAN BORDER.dwg, Layout: Model

DES BY	JWZ	BOOK NO.	-				
DR BY	JWZ	PROJ NO.	24-0294.00				
CHK BY	DNS	DATE	90% REVIEW	NO	DATE	REVISION	NO

ROCK RIVERWALK - PHASE I
WATERTOWN, WI



SUBSURFACE EXPLORATION BORING LOGS

SHEET NO.
ST-4

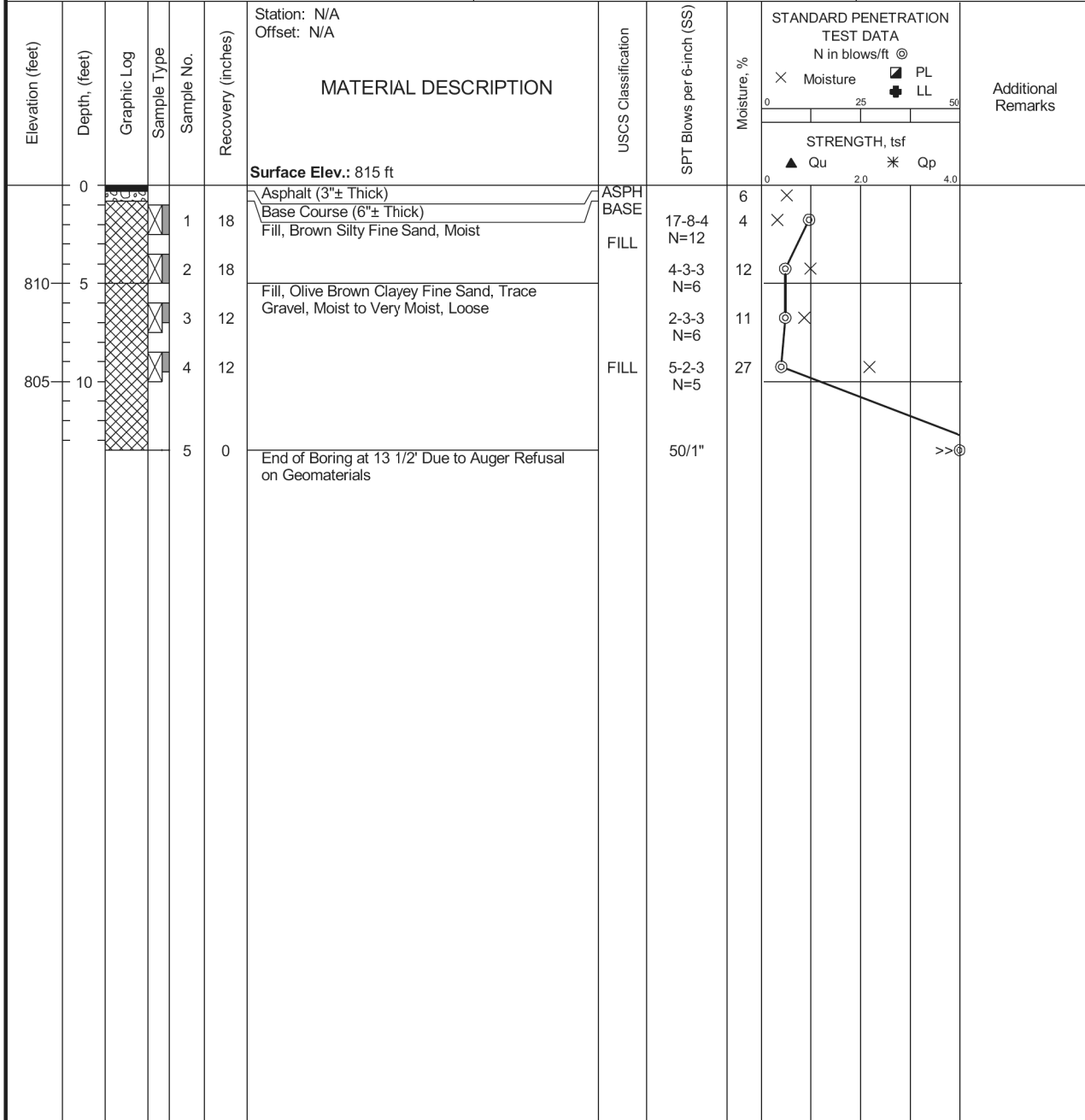


Professional Service Industries, Inc.
821 Corporate Court
Waukesha, WI 53189
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Fax: (262) 521-2471

LOG OF BORING B-4

Sheet 1 of 1

PSI Job No.: 00521460	Drilling Method: Hollow Stem Auger	WATER LEVELS
Project: Proposed Rock River Walkway	Sampling Method: 2-in SS	▽ While Drilling Not Obsvd. feet
Location: East Side of Rock River	Hammer Type: Automatic	▽ Upon Completion Not Obsvd. feet
From E. Cady St. to E. Main St. Watertown, Wisconsin	Boring Location: South End of Wall	▽ Delay N/A



Completion Depth: 13.6 ft	Sample Types:	Shelby Tube	Latitude:
Date Boring Started: 12/30/15	Auger Cutting	Hand Auger	Longitude:
Date Boring Completed: 12/30/15	Split-Spoon	Calif. Sampler	Drill Rig: 420
Logged By: DZ	Rock Core	Texas Cone	Remarks:
Drilling Contractor: PSI, Inc.			

The stratification lines represent approximate boundaries. The transition may be gradual.

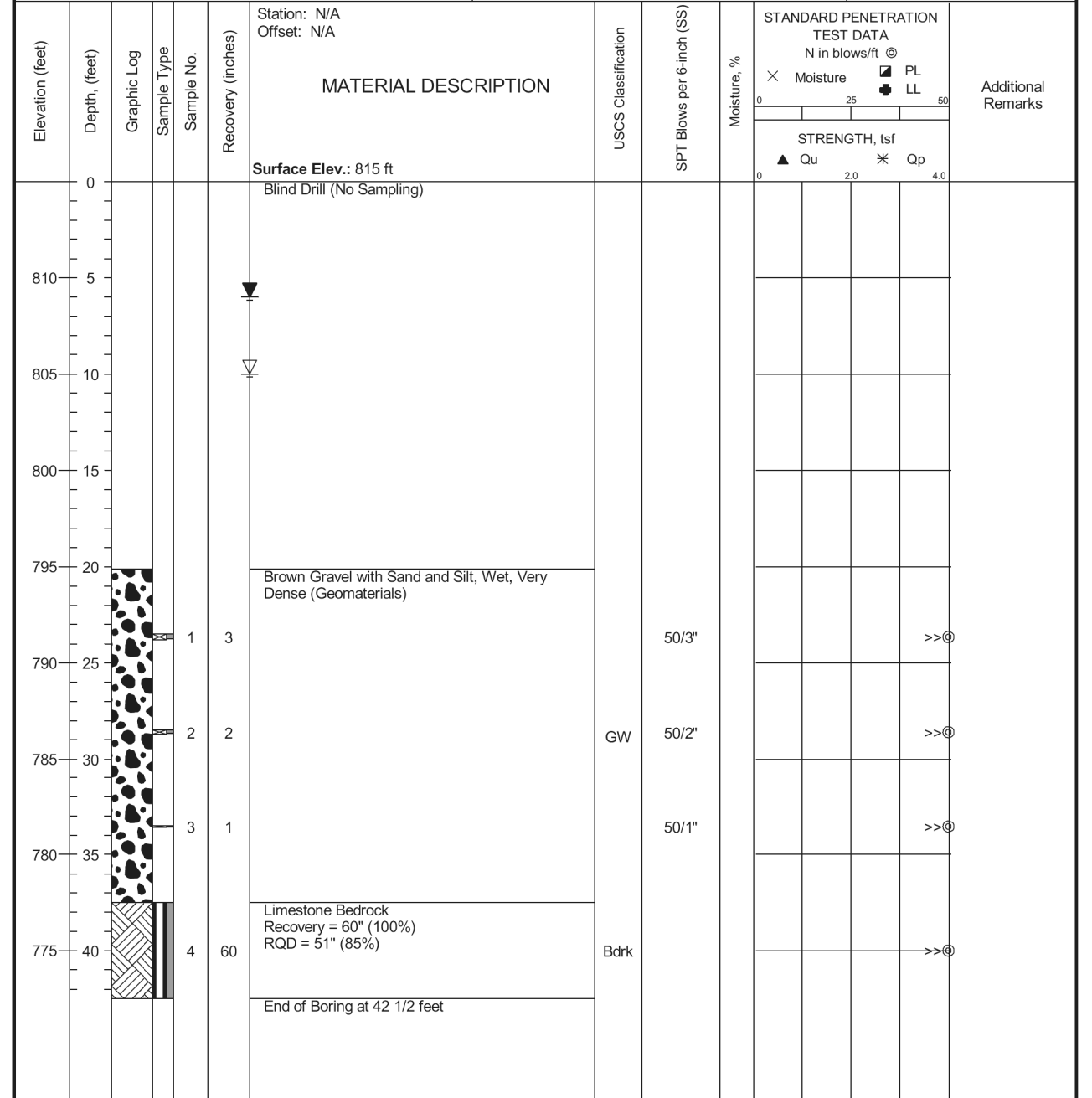


Professional Service Industries, Inc.
821 Corporate Court
Waukesha, WI 53189
Telephone: (262) 521-2125
Fax: (262) 521-2471

LOG OF BORING B-4A

Sheet 1 of 1

PSI Job No.: 00521460	Drilling Method: Hollow Stem Auger	WATER LEVELS
Project: Proposed Rock River Walkway	Sampling Method: 2-in SS	▽ While Drilling 10 feet
Location: East Side of Rock River	Hammer Type: Automatic	▽ Upon Completion 6 feet
From E. Cady St. to E. Main St. Watertown, Wisconsin	Boring Location: South End of Wall	▽ Delay N/A



Completion Depth: 42.5 ft	Sample Types:	Shelby Tube	Latitude:
Date Boring Started: 11/14/16	Auger Cutting	Hand Auger	Longitude:
Date Boring Completed: 11/14/16	Split-Spoon	Calif. Sampler	Drill Rig: 419
Logged By: JF	Rock Core	Texas Cone	Remarks:
Drilling Contractor: PSI, Inc.			

The stratification lines represent approximate boundaries. The transition may be gradual.

AA-Standard.sdb U:\24-0294.00 - Watertown Riverwalk\Structures\CADD\As Reviewed from Waukesha 16-09-12\WATERTOWN RW PLAN BORDER.dwg Layout: Model

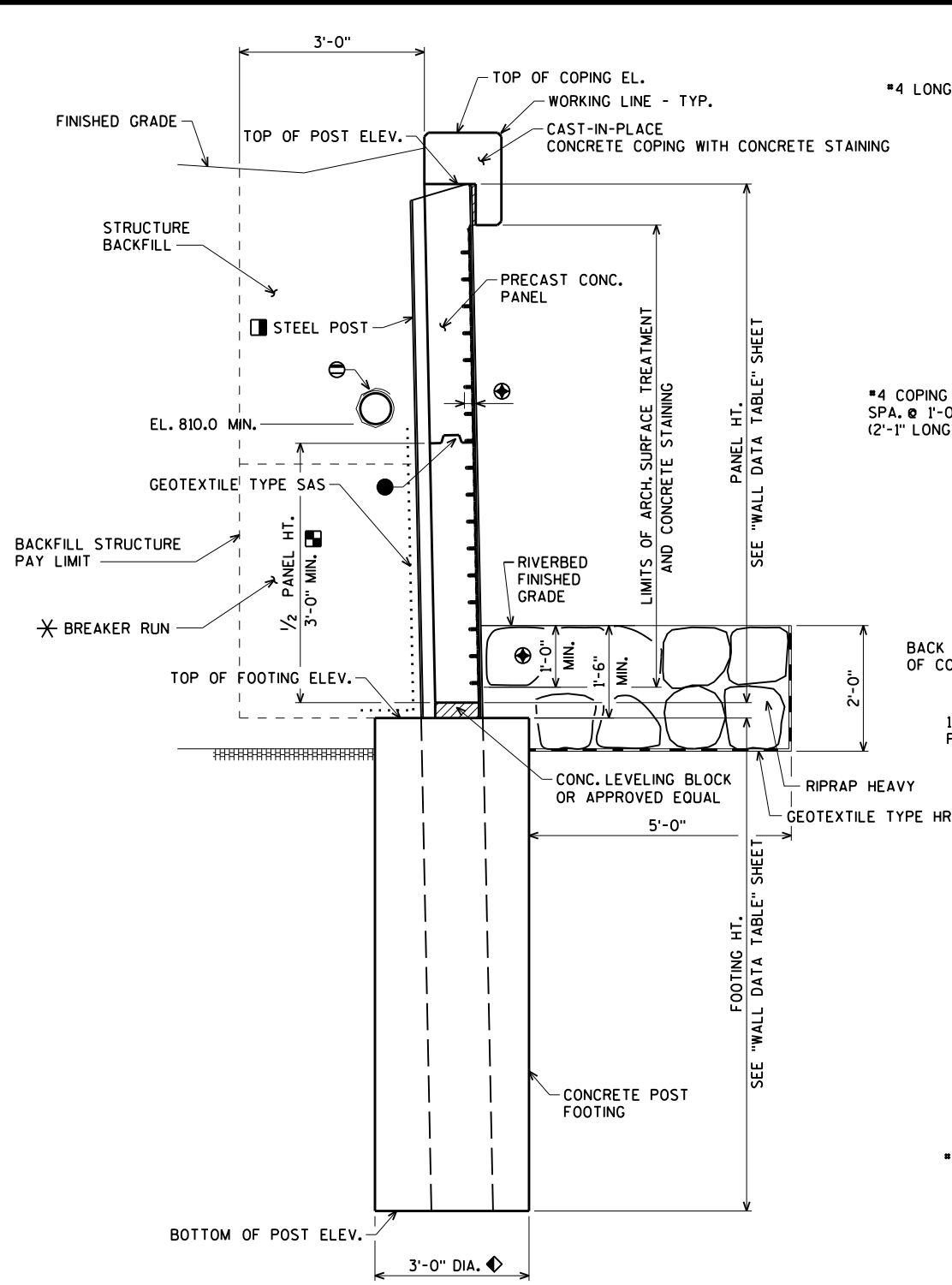
DES BY	JWZ	BOOK NO	-				
DR BY	JWZ	PROJ NO	24-0294.00				
CHK BY	DNS	DATE	90% REVIEW	NO	DATE	REVISION	NO

ROCK RIVERWALK - PHASE I
WATERTOWN, WI

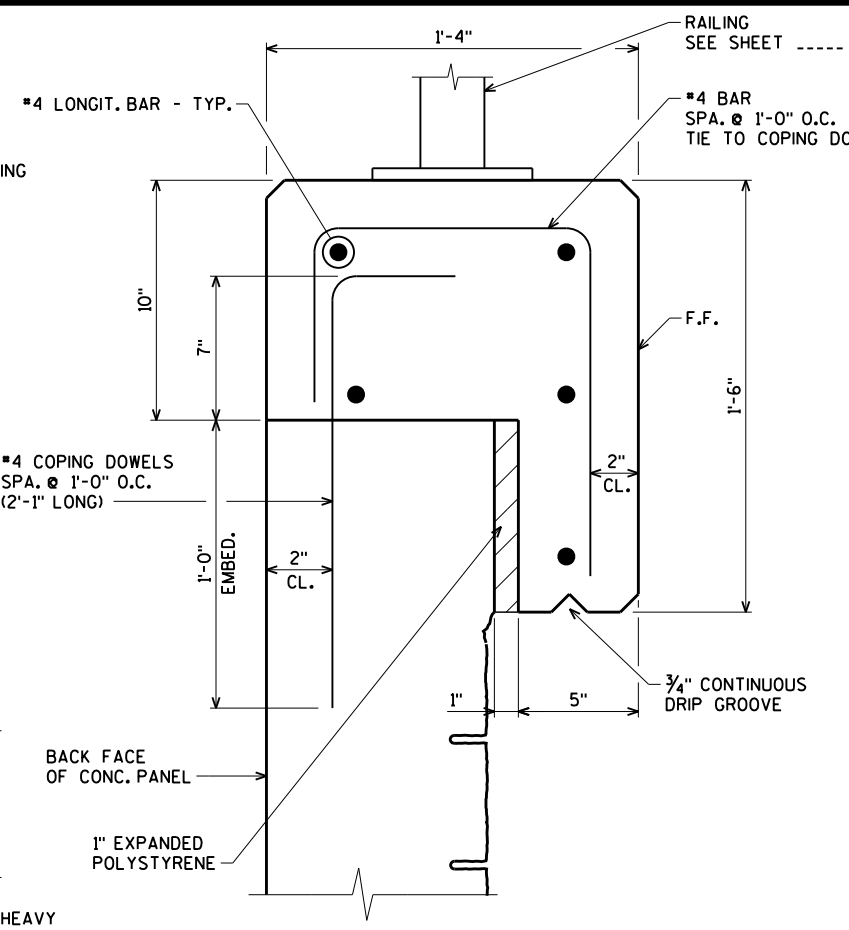


SUBSURFACE EXPLORATION BORING LOGS

SHEET NO.
ST-5

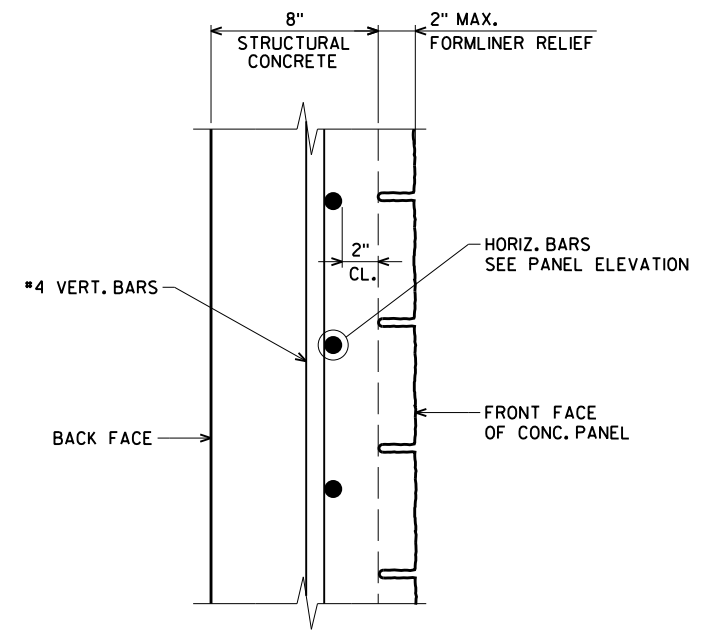


TYPICAL SECTION THRU WALL



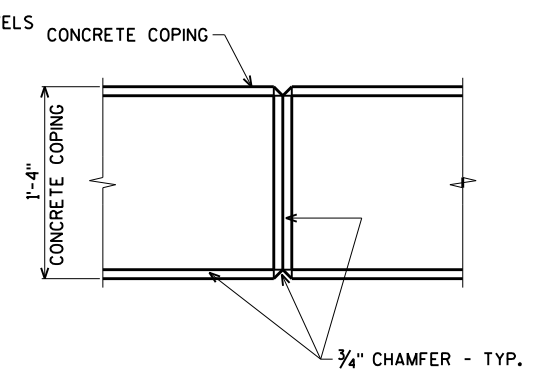
CAST-IN-PLACE CONCRETE COPING DETAIL

ALL BAR STEEL REINFORCEMENT SHALL BE EPOXY COATED.



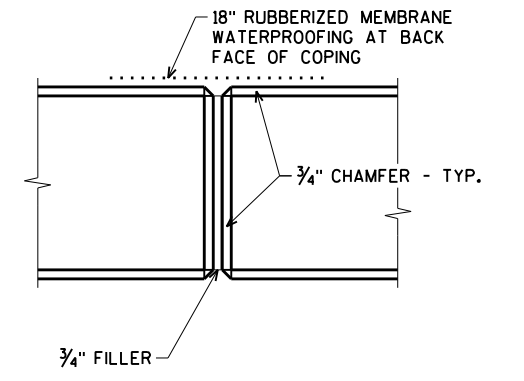
TYPICAL SECTION THRU PANEL

ALL BAR STEEL REINFORCEMENT SHALL BE EPOXY COATED.



NOTES:
DO NOT RUN ANY BAR STEEL THRU JOINTS.
CENTER CONTRACTION JOINTS AT CL OF POST.
PLACE JOINTS VERTICAL

COPING CONTRACTION JOINT



NOTES:
DO NOT RUN ANY BAR STEEL THRU JOINTS.
CENTER EXPANSION JOINTS AT CL OF POST.
PLACE JOINTS VERTICAL.
CONTRACTOR TO LOCATE EXPANSION JOINTS. MAXIMUM SPACING OF EXPANSION JOINT IS 30'-0\"/>

COPING EXPANSION JOINT

- NOTES:**
- PANEL HEIGHTS OF 6'-0" OR GREATER MAY BE FABRICATED FULL PANEL HEIGHT OR HALF PANEL HEIGHT. PANELS SHALL BE CLEARLY LABELED FOR CORRECT LOCATION AND ORIENTATION.
 - OPTIONAL HORIZ. CONSTRUCTION JOINT FORMED BY A BEVELED 2x4. JOINT SHALL BE LEVEL. FORMLINER PATTERN SHALL BE CONTINUOUS ACROSS THE JOINT.
 - ⊖ PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED. SEE SHEET ST-2 FOR RODENT SHIELD DETAIL.
 - ⊕ CONCRETE STAINING TO BE APPLIED TO PRECAST CONCRETE PANELS AS SHOWN AND TO FRONT FACE, BOTTOM, AND END OF CONCRETE COPING. USE FEDERAL COLOR -----.
 - ⊕ ARCH. SURFACE TREATMENT - SEE DETAIL ON SHEET ST-7.
 - STEEL POST TO BE CENTERED IN FTG. AT TOP OF FTG. BATTER POST 1/4" PER FOOT. SEE 'WALL DATA TABLES' SHEET FOR POST DETAILS.
- F.F. DENOTES FRONT FACE.
B.F. DENOTES BACK FACE.
E.F. DENOTES EACH FACE.
- CONCRETE COPING IS USED AS SUPPORT BEAM UNDER OVERLOOK. SEE CONCRETE SUPPORT BEAM DETAIL ON SHEET ST-10.
- ◆ UNLESS OTHERWISE NOTED ON SHEET ST-8.
 - * PLACE BREAKER RUN AS BACKFILL TO AN ELEVATION THAT APPROXIMATELY MATCHES THE WATER SURFACE.

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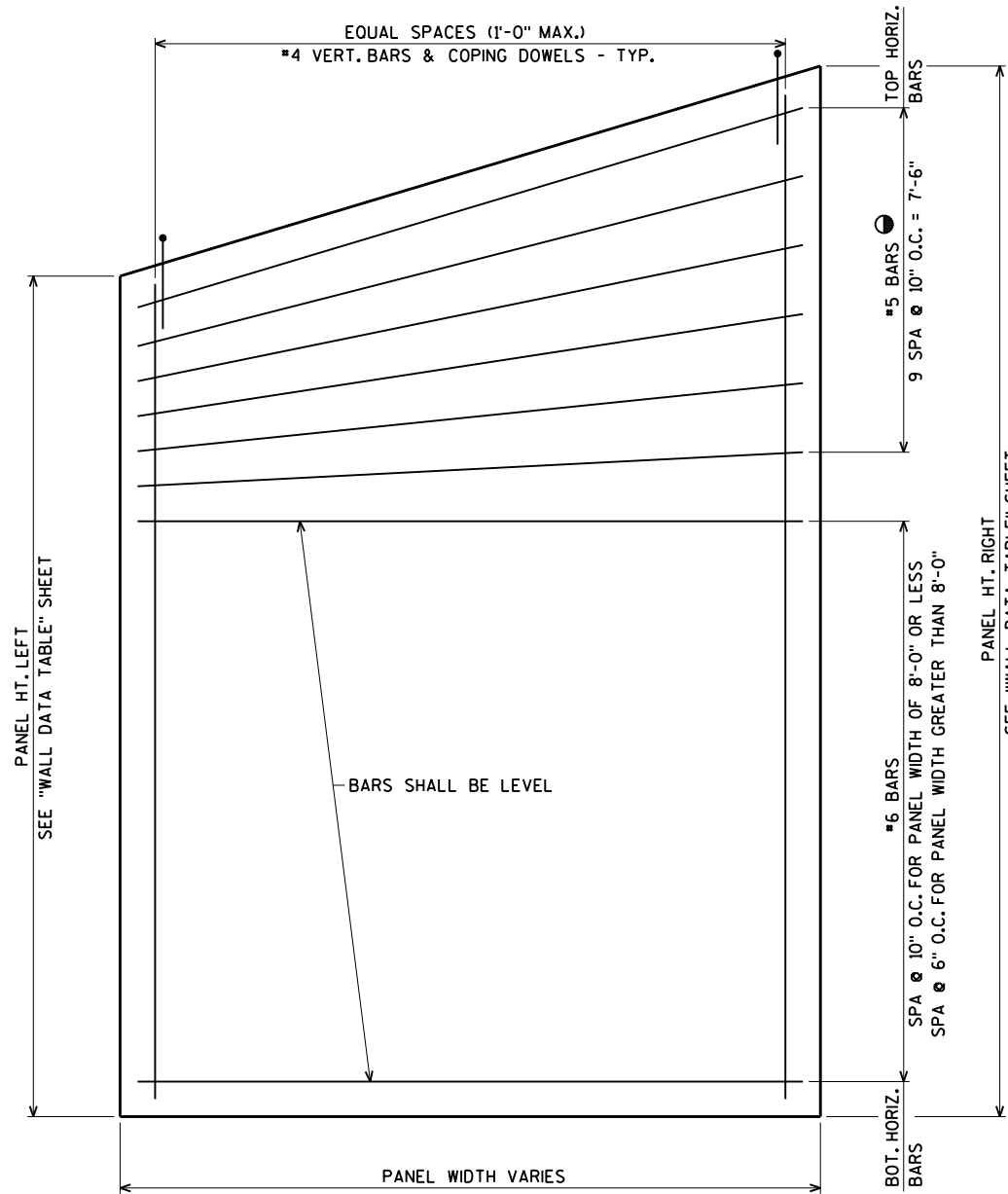
DES BY	JWZ	BOOK NO	-	-	-	-	-	-	-
DR BY	JWZ	PROJ NO	24-0294.00	-	-	-	-	-	-
CHK BY	DNS	DATE	90% REVIEW	NO	DATE	REVISION	NO	DATE	REVISION

ROCK RIVERWALK - PHASE I
WATERTOWN, WI

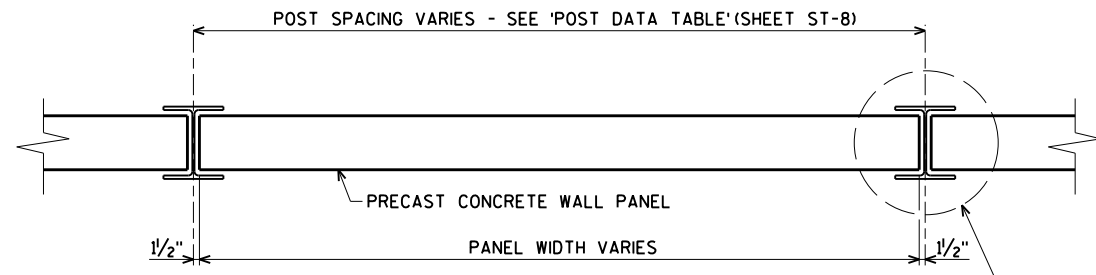


WALL DETAILS AND NOTES

SHEET NO.
ST-6

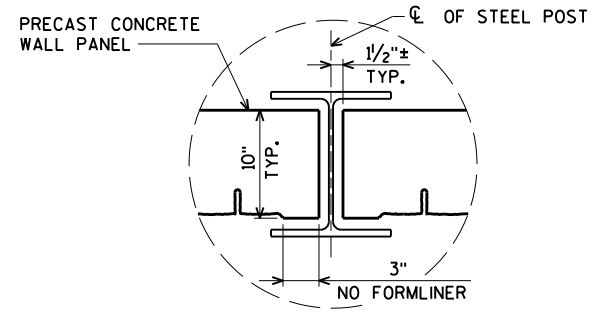


● USE #6 BARS IF PANEL WIDTH EXCEEDS 8'-0"
TYPICAL PANEL ELEVATION
 (LOOKING AT FRONT FACE)
 ALL BAR STEEL REINFORCEMENT SHALL BE EPOXY COATED.

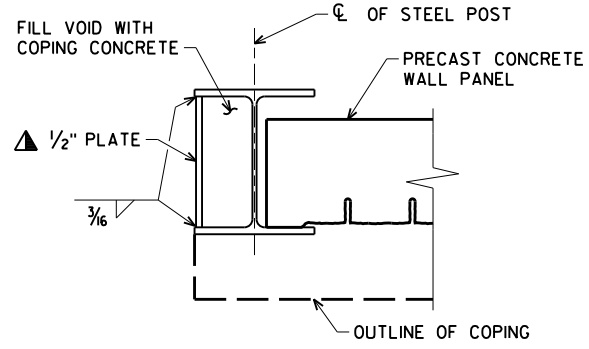


TYPICAL PANEL PLAN

SEE "PANEL DETAIL AT POST" THIS SHEET

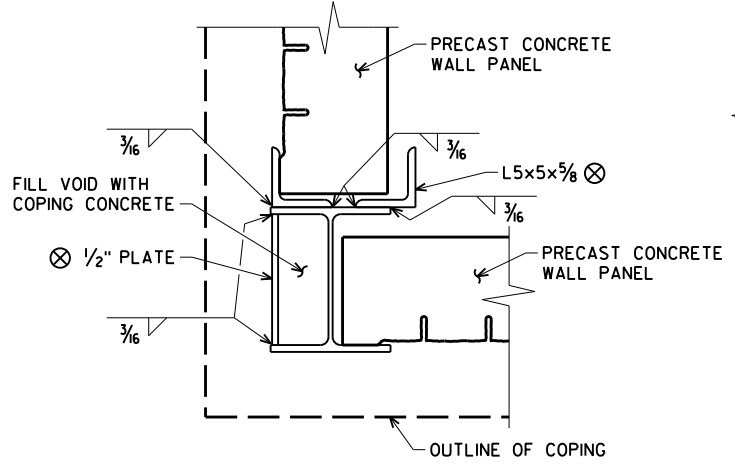


PANEL DETAIL AT POST



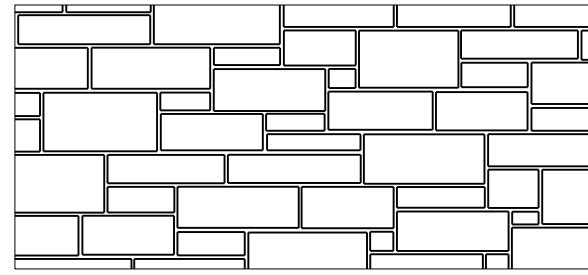
▲ 1/2" PLATE TO EXTEND ALONG FULL HEIGHT OF PANEL AND FIT BETWEEN FLANGES OF POST.

POST DETAIL AT END OF WALL



⊗ PLATE AND ANGLES TO EXTEND ALONG FULL HEIGHT OF PANEL. PLATE TO FIT BETWEEN FLANGES OF POST. DISTANCE BETWEEN INSIDE FACES OF ANGLE FLANGES TO MATCH DISTANCE BETWEEN INSIDE FACES OF POST FLANGES.

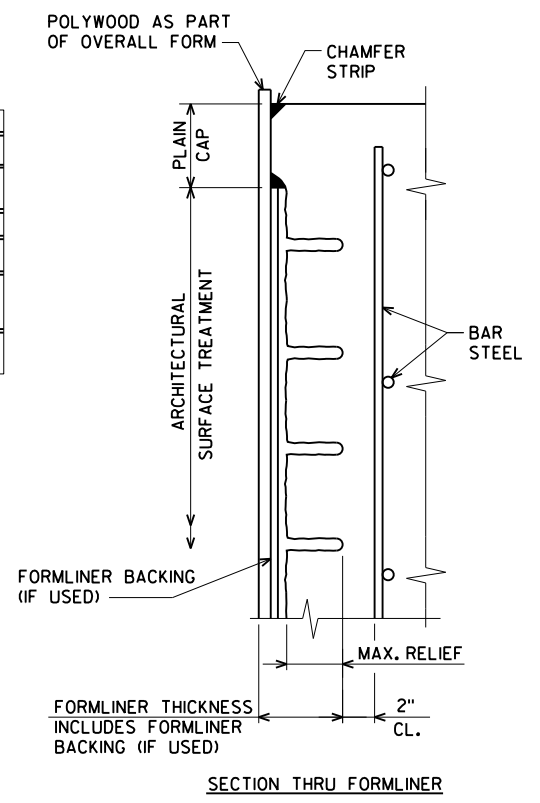
POST DETAIL AT CORNER OF WALL



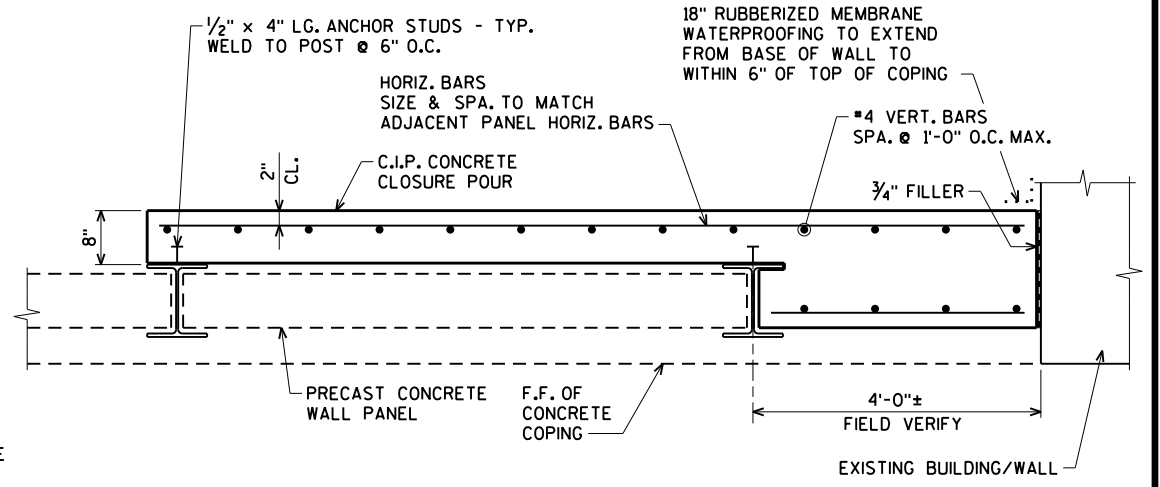
ASHLAR
 FORMLINER THICKNESS = 2 3/8"
 SIZE = 3" TO 17" TALL, 5" TO 29" WIDE
 MAX. RELIEF = 2"

FORMLINER NOTES:
 THE FORMLINER COURSING ON WALL SHALL BE LEVEL.
 THE FORMLINER COURSING SHALL BE VERTICALLY ALIGNED.
 THE FORMLINER PATTERN SHALL BE CONTINUOUS ACROSS WALL CONSTRUCTION JOINTS.
 WRAP AROUND/MATCH FORMLINER PATTERN AT CORNERS.

FORMLINER DETAILS



SECTION THRU FORMLINER



TYPICAL CLOSURE POUR PLAN

CLOSURE POUR NOTES:
 CLOSURE POUR HEIGHT TO MATCH HEIGHT OF ADJACENT PRECAST PANEL. LENGTH TO SPAN TWO ADJACENT POSTS AND EXTEND TO EXISTING STRUCTURE AS SHOWN.
 FRONT FACE OF CLOSURE POUR TO ALIGN WITH FRONT FACE OF ADJACENT PANEL.
 CAST-IN-PLACE CONCRETE COPING TO BE CONTINUOUS TO END OF WALL. #4 COPING DOWELS SHOWN IN 'CAST-IN-PLACE CONCRETE COPING DETAIL' (SHEET ST-6) ARE TO BE INCORPORATED IN CLOSURE POUR REINFORCEMENT.

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DES BY	JWZ	BOOK NO	-	-	-	-	-	-	-
DR BY	JWZ	PROJ NO	24-0294.00	-	-	-	-	-	-
CHK BY	DNS	DATE	90% REVIEW	NO	DATE	REVISION	NO	DATE	REVISION

ROCK RIVERWALK - PHASE I
 WATERTOWN, WI



WALL DETAILS

SHEET NO.
ST-7

WALL ELEVATION TABLE

LOCATION	WALL STATION	TOP OF COPING EL.	RIVERBED FINISHED GRADE EL.
BEGIN WALL	0+00	816.50	805.2
PVI	0+70.78	814.00	805.3
PI & PVI	0+72.03	814.00	805.3
	0+72.03	809.00	805.3
PI & PVI	0+92.03	809.00	805.4
	0+92.03	814.00	805.4
PI	1+19.80	814.00	805.5
PVI	1+41.35	814.00	805.5
PI	1+91.79	815.15	805.6
PVI	2+29.07	816.00	805.7
PI	2+69.67	816.00	805.8
PI	2+84.10	816.00	805.7
PI & PVI	4+95.85	816.00	804.8
	4+95.85	820.92	804.8
PI & PVI	5+26.06	820.92	805.1
	5+26.06	817.00	805.1
END WALL	7+04.14	817.00	806.4

POST LENGTHS AND PANEL HEIGHTS MAY BE FABRICATED TO THE NEAREST WHOLE INCH VALUE AT CONTRACTOR'S OPTION.

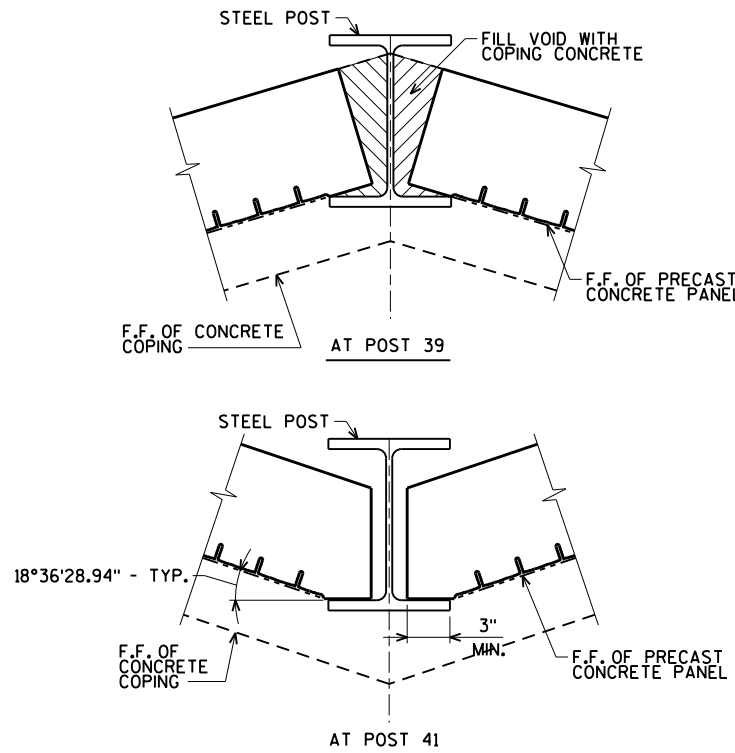
IF THE TOP ELEVATION OF THE LAYER OF DENSE BEARING MATERIAL IS FOUND TO BE MORE THAN 6 INCHES BELOW THE PROPOSED TOP OF FOOTING ELEVATION, CONTACT A/E PRIOR TO PLACEMENT OF POST.

⊗ DIAMETER OF DRILLED SHAFT TO BE 3"-6".

ALL DIMENSIONS ARE ALONG THE FRONT FACE OF COPING UNLESS SHOWN OR NOTED OTHERWISE.

CONTRACTOR TO VERIFY PANEL HEIGHT IN FIELD AFTER CONCRETE FOOTING IS POURED. ANY VARIATION IN TOP OF FOOTING ELEVATION SHALL BE ACCOUNTED FOR IN PANEL FABRICATION.

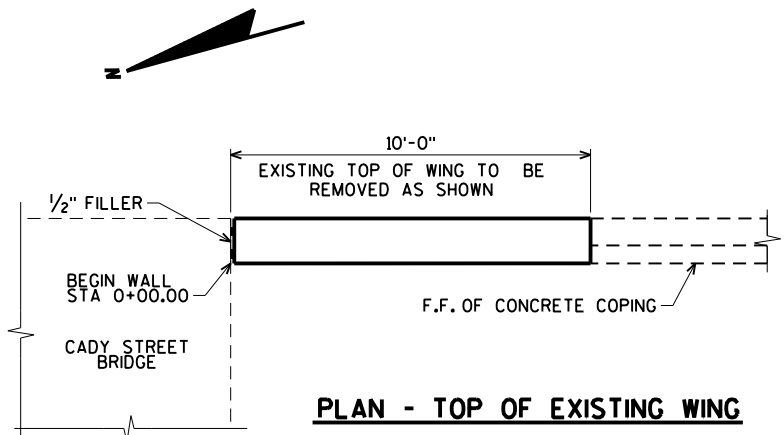
LOCATION OF POST MEASURED FROM ALIGNMENT TO CENTERLINE OF POST AT EXTERIOR FACE OF FLANGE AND TOP OF POST.

**PANEL FABRICATION AT CORNERS****POST DATA TABLE**

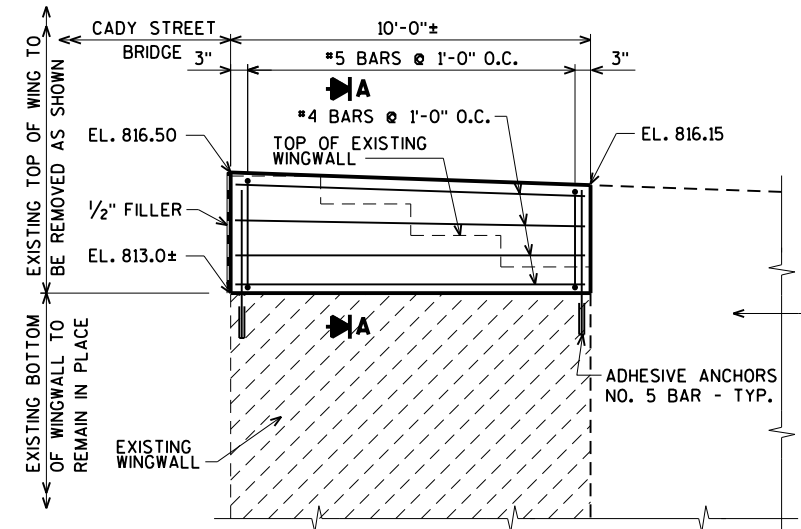
POST NUMBER	WALL STATION	LOCATION	POST SHAPE	POST LENGTH (FT)	TOP OF POST ELEV.	BOTTOM OF POST ELEV.	TOP OF FOOTING ELEV.	FOOTING HEIGHT (FT)	POST SPACING (FT)
1	0+13.70	0.42' LT	W14x82	29.46	815.18	785.72	803.7	18.0	-
2	0+20.78	0.42' LT	W14x82	29.20	814.93	785.74	803.7	18.0	7.08
3	0+27.86	0.42' LT	W14x82	28.93	814.68	785.75	803.8	18.0	7.08
4	0+34.95	0.42' LT	W14x82	28.67	814.43	785.77	803.8	18.0	7.08
5	0+42.03	0.42' LT	W14x82	28.40	814.18	785.78	803.8	18.0	7.08
6	0+49.11	0.42' LT	W14x82	28.13	813.93	785.80	803.8	18.0	7.08
7	0+56.20	0.42' LT	W14x82	27.87	813.68	785.81	803.8	18.0	7.08
8	0+63.28	0.42' LT	W14x82	27.60	813.43	785.83	803.8	18.0	7.08
9A	0+71.28	0.42' LT	W14x82	27.32	813.17	785.85	803.8	18.0	8.00
10	0+71.54	7.15' LT	W14x82	27.32	813.17	785.85	803.8	18.0	6.22
11	0+71.48	13.36' LT	W14x82	27.32	813.17	785.85	803.8	18.0	6.22
12	0+71.41	19.58' LT	W14x82	27.32	813.17	785.85	803.8	18.0	6.21
9B	0+78.45	0.50' LT	W14x82	23.11	808.97	785.86	803.9	18.0	7.17
9C	0+85.61	0.50' LT	W14x82	23.09	808.97	785.88	803.9	18.0	7.17
13	0+92.35	8.56' LT	W14x82	27.27	813.17	785.90	803.9	18.0	-
14	0+92.39	16.48' LT	W14x82	27.27	813.17	785.90	803.9	18.0	8.00
15	0+92.78	0.42' LT	W14x82	27.27	813.17	785.90	803.9	18.0	7.17
16	0+99.53	0.42' LT	W14x82	27.26	813.17	785.91	803.9	18.0	6.75
17	1+06.28	0.42' LT	W14x82	27.24	813.17	785.93	803.9	18.0	6.75
18	1+13.03	0.42' LT	W14x82	27.23	813.17	785.94	803.9	18.0	6.75
19	1+19.80	0.42' LT	W14x82	27.21	813.17	785.96	804.0	18.0	6.77
20	1+26.97	0.42' LT	W14x82	27.20	813.17	785.97	804.0	18.0	7.17
21	1+34.13	0.42' LT	W14x82	27.18	813.17	785.99	804.0	18.0	7.17
22	1+41.30	0.42' LT	W14x82	27.16	813.17	786.00	804.0	18.0	7.17
23	1+47.47	0.42' LT	W14x82	27.29	813.31	786.02	804.0	18.0	6.17
24	1+53.63	0.42' LT	W14x82	27.42	813.45	786.03	804.0	18.0	6.17
25	1+59.79	0.42' LT	W14x82	27.54	813.59	786.04	804.0	18.0	6.16
26	1+67.79	0.42' LT	W14x82	27.71	813.77	786.06	804.1	18.0	8.00
27	1+75.79	0.42' LT	W14x82	27.87	813.95	786.08	804.1	18.0	8.00
28	1+83.79	0.42' LT	W14x82	28.04	814.13	786.10	804.1	18.0	8.00
29	1+91.79	0.42' LT	W14x82	28.20	814.32	786.12	804.1	18.0	8.00
30	1+99.79	0.42' LT	W14x82	28.37	814.50	786.13	804.1	18.0	8.00
31	2+07.12	0.42' LT	W14x82	28.52	814.67	786.15	804.1	18.0	7.33
32	2+14.46	0.42' LT	W14x82	28.67	814.83	786.17	804.2	18.0	7.33
33	2+21.79	0.42' LT	W14x82	28.82	815.00	786.18	804.2	18.0	7.33
34	2+29.12	0.42' LT	W14x82	28.97	815.17	786.20	804.2	18.0	7.33
35	2+37.12	0.42' LT	W14x82	28.95	815.17	786.22	804.2	18.0	8.00
36	2+45.12	0.42' LT	W14x82	28.93	815.17	786.23	804.2	18.0	8.00
37	2+53.12	0.42' LT	W14x82	28.92	815.17	786.25	804.3	18.0	8.00
38	2+59.67	0.42' LT	W14x82	28.90	815.17	786.27	804.3	18.0	6.54
39	2+69.67	0.24' LT	W14x82	28.88	815.17	786.29	804.3	18.0	10.01
40	2+76.88	0.42' LT	W14x82	28.86	815.17	786.30	804.3	18.0	7.21
41	2+84.10	0.51' LT	W14x82	28.99	815.17	786.18	804.2	18.0	7.22
42	2+90.35	0.42' LT	W14x82	29.08	815.17	786.09	804.1	18.0	6.25
43	2+96.60	0.42' LT	W14x82	29.16	815.17	786.01	804.0	18.0	6.25
44	3+04.60	0.42' LT	W14x82	29.27	815.17	785.90	803.9	18.0	8.00
45	3+12.60	0.42' LT	W14x82	29.38	815.17	785.79	803.8	18.0	8.00
46	3+20.60	0.42' LT	W14x82	29.49	815.17	785.68	803.7	18.0	8.00
47	3+28.60	0.42' LT	W14x82	29.60	815.17	785.57	803.6	18.0	8.00
48	3+36.60	0.42' LT	W14x82	29.70	815.17	785.46	803.5	18.0	8.00
49	3+42.60	0.42' LT	W16x89	31.79	815.17	783.38	803.4	20.0	6.00
50	3+48.60	0.42' LT	W16x89	31.87	815.17	783.30	803.3	20.0	6.00
51	3+54.60	0.42' LT	W16x89	31.95	815.17	783.22	803.2	20.0	6.00
52	3+60.60	0.42' LT	W16x89	32.03	815.17	783.14	803.1	20.0	6.00
53	3+66.60	0.42' LT	W16x89	32.11	815.17	783.05	803.1	20.0	6.00

POST DATA TABLE (CONT'D.)

POST NUMBER	WALL STATION	LOCATION	POST SHAPE	POST LENGTH (FT)	TOP OF POST ELEV.	BOTTOM OF POST ELEV.	TOP OF FOOTING ELEV.	FOOTING HEIGHT (FT)	POST SPACING (FT)
54	3+72.60	0.42' LT	W16x89	32.19	815.17	782.97	803.0	20.0	6.00
55	3+78.60	0.42' LT	W16x89	32.28	815.17	782.89	802.9	20.0	6.00
56	3+84.60	0.42' LT	W16x89	32.36	815.17	782.81	802.8	20.0	6.00
57	3+90.60	0.42' LT	W16x89	32.44	815.17	782.73	802.7	20.0	6.00
58	3+96.60	0.42' LT	W16x89	32.52	815.17	782.65	802.6	20.0	6.00
59	4+02.60	0.42' LT	W16x89	32.55	815.17	782.62	802.6	20.0	6.00
60	4+08.60	0.42' LT	W16x89	32.50	815.17	782.67	802.7	20.0	6.00
61	4+14.60	0.42' LT	W16x89	32.45	815.17	782.71	802.7	20.0	6.00
62	4+20.60	0.42' LT	W16x89	32.41	815.17	782.76	802.8	20.0	6.00
63	4+26.60	0.42' LT	W16x89	32.36	815.17	782.80	802.8	20.0	6.00
64	4+32.60	0.42' LT	W16x89	32.32	815.17	782.85	802.8	20.0	6.00
65	4+38.60	0.42' LT	W16x89	32.27	815.17	782.90	802.9	20.0	6.00
66	4+44.60	0.42' LT	W16x89	32.22	815.17	782.94	802.9	20.0	6.00
67	4+50.60	0.42' LT	W16x89	32.18	815.17	782.99	803.0	20.0	6.00
68	4+56.35	0.42' LT	W16x89	32.13	815.17	783.03	803.0	20.0	5.75
69	4+62.10	0.42' LT	W16x89	32.09	815.17	783.08	803.1	20.0	5.75
70	4+67.85	0.42' LT	W16x89	32.05	815.17	783.12	803.1	20.0	5.75
71	4+73.60	0.42' LT	W16x89	32.00	815.17	783.16	803.2	20.0	5.75
72	4+79.35	0.42' LT	W16x89	31.96	815.17	783.21	803.2	20.0	5.75
73	4+85.10	0.42' LT	W16x89	31.91	815.17	783.25	803.3	20.0	5.75
74	4+90.85	0.42' LT	W16x89	31.87	815.17	783.30	803.3	20.0	5.75
75	4+96.60	0.42' LT	W24x131	44.52	819.86	775.34	803.3	28.0	5.75
76	5+02.35	0.42' LT	W24x131	44.47	819.86	775.38	803.4	28.0	5.75
77	5+08.10	0.42' LT	W24x131	44.43	819.86	775.43	803.4	28.0	5.75
78	5+13.85	0.42' LT	W24x131	44.38	819.86	775.47	803.5	28.0	5.75
79	5+19.60	0.42' LT	W24x131	44.34	819.86	775.52	803.5	28.0	5.75
80	5+25.35	0.42' LT	W24x131	44.30	819.86	775.56	803.6	28.0	5.75
81	5+31.37	0.42' LT	W16x89	32.56	816.17	783.61	803.6	20.0	6.02
82	5+37.37	0.42' LT	W16x89	32.51	816.17	783.65	803.7	20.0	6.00
83	5+43.37	0.42' LT	W16x89	32.47	816.17	783.70	803.7	20.0	6.00
84	5+49.37	0.42' LT	W16x89	32.42	816.17	783.75	803.7	20.0	6.00
85	5+55.37	0.42' LT	W16x89	32.38	816.17	783.79	803.8	20.0	6.00
86	5+61.37	0.42' LT	W16x89	32.33	816.17	783.84	803.8	20.0	6.00
87	5+67.37	0.42' LT	W16x89	32.28	816.17	783.88	803.9	20.0	6.00
88	5+73.37	0.42' LT	W16x89	32.24	816.17	783.93	803.9	20.0	6.00
89	5+79.37	0.42' LT	W16x89	32.19	816.17	783.98	804.0	20.0	6.00
90	5+85.37	0.42' LT	W16x89	32.15	816.17	784.02	804.0	20.0	6.00
91	5+91.37	0.42' LT	W16x89	32.10	816.17	784.07	804.1	20.0	6.00
92	5+97.37	0.42' LT	W16x89	32.05	816.17	784.11	804.1	20.0	6.00
93	6+03.37	0.42' LT	W16x89	32.01	816.17	784.16	804.2	20.0	6.00
94	6+09.37	0.42' LT	W16x89	31.96	816.17	784.21	804.2	20.0	6.00
95	6+15.37	0.42' LT	W16x89	31.92	816.17	784.25	804.3	20.0	6.00
96	6+21.37	0.42' LT	W16x89	31.87	816.17	784.30	804.3	20.0	6.00
97	6+27.37	0.42' LT	W16x89	31.82	816.17	784.34	804.3		

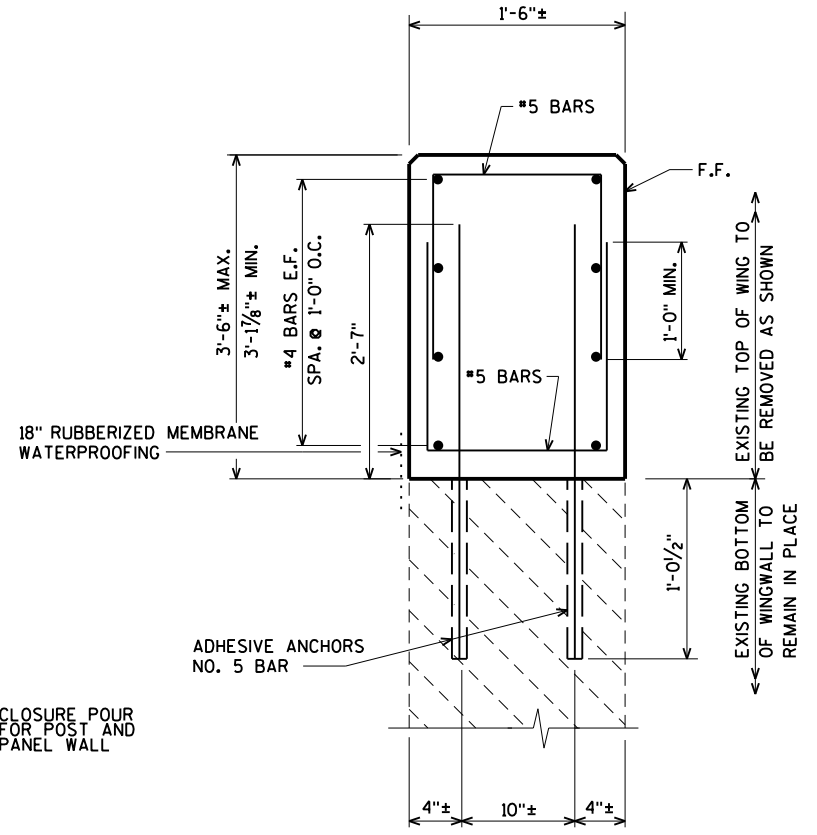


PLAN - TOP OF EXISTING WING

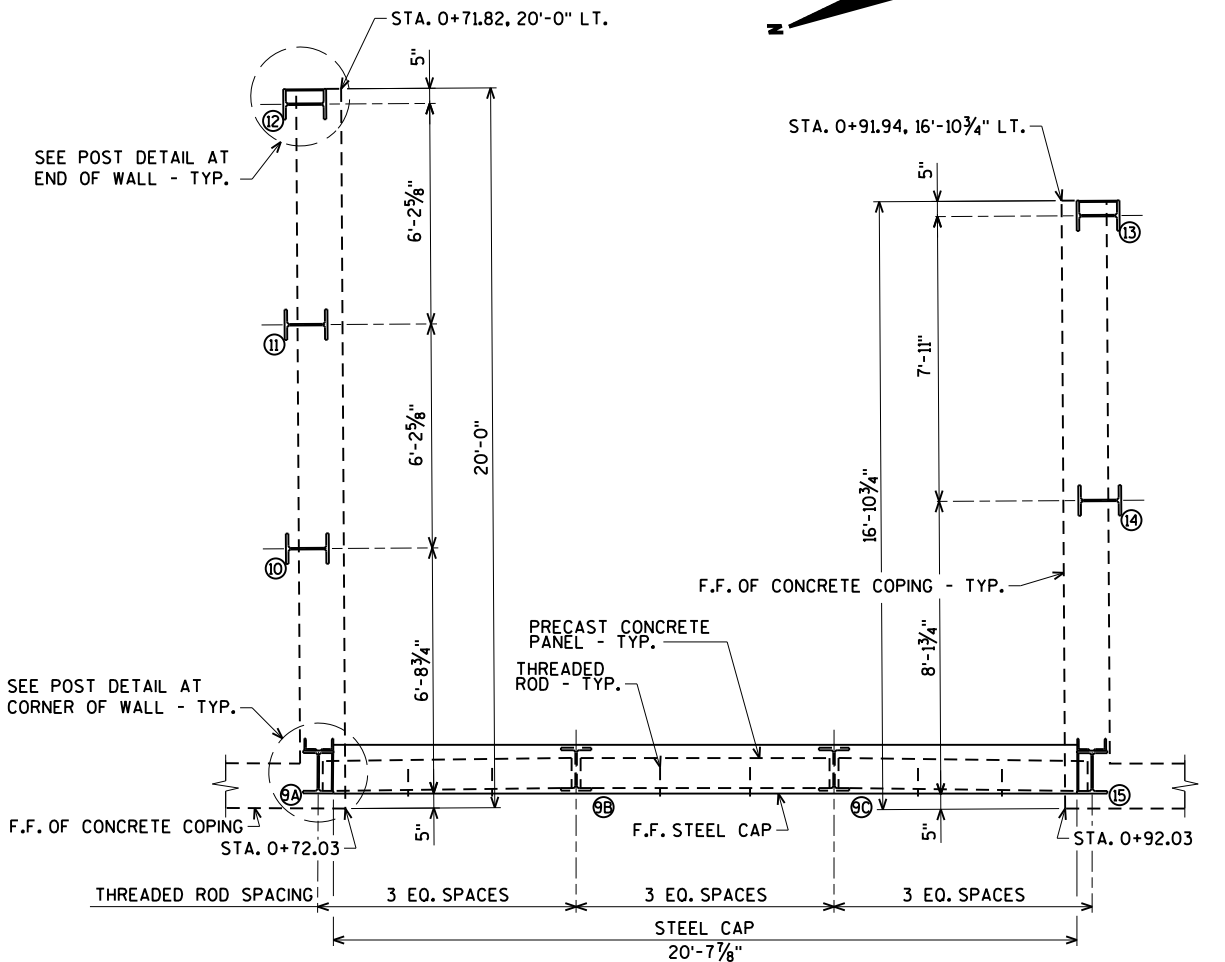


ELEVATION - TOP OF EXISTING WING

EXISTING WING EXTENSION NOTES:
 REMOVE TOP OF EXISTING WING (BLOCK AND MORTAR MATERIAL) TO SOUND CONCRETE MATERIAL AS SHOWN.
 APPROXIMATE DIMENSIONS SHOWN. CONTRACTOR TO VERIFY LENGTH, WIDTH, AND HEIGHT OF WING EXTENSION.

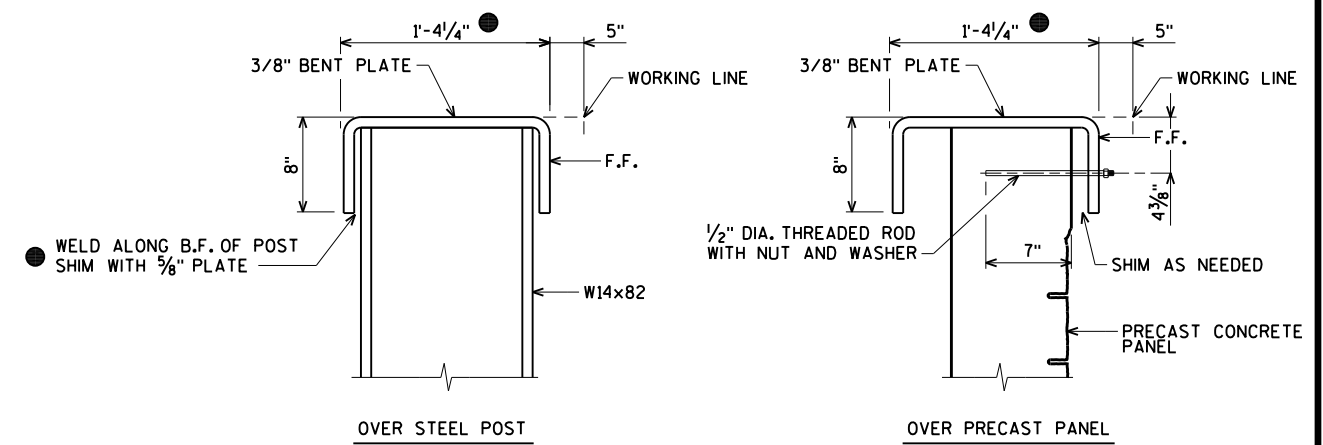


SECTION A



WALL PLAN AT EMERGENCY BOAT LAUNCH

⊗ INDICATES POST NUMBER



● DIMENSION AND SHIM PLATE THICKNESS BASED ON INSIDE RADIUS OF BENT PLATE EQUAL TO 0.5625".

STEEL CAP ANCHORAGE DETAIL

AA-Standard.sdb U:\24\0294\00 - Watertown Riverwalk\Structures\CADD\As Released from Waukesha 16-09-12\WATERTOWN RW PLAN BORDER.dwg Layout: Model

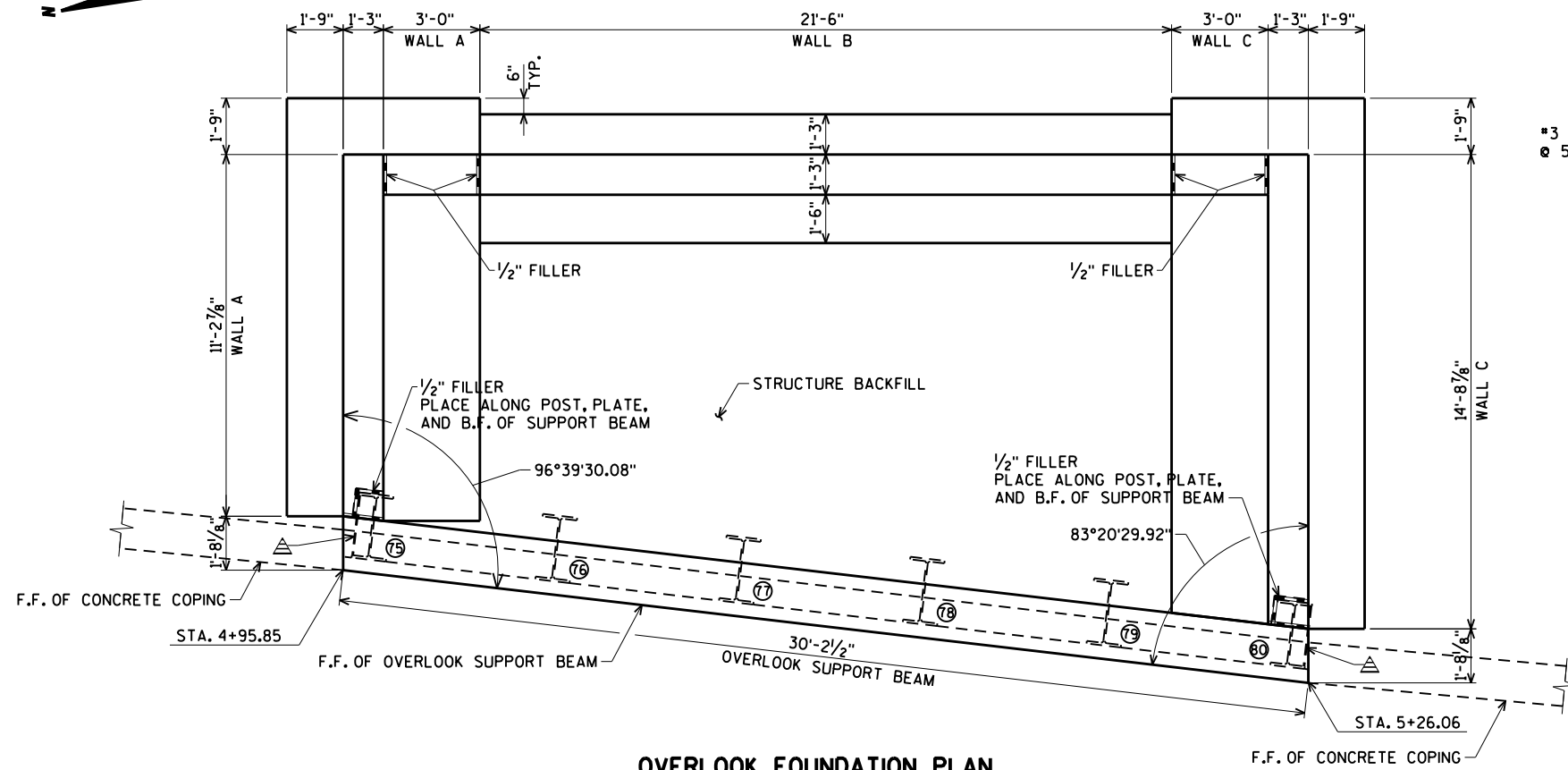
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DR BY	JWZ	PROJ NO	24-0294.00	-	-	-	-	-	-
CHK BY	DNS	DATE	90% REVIEW	NO	DATE	REVISION	NO	DATE	REVISION

ROCK RIVERWALK - PHASE I
 WATERTOWN, WI



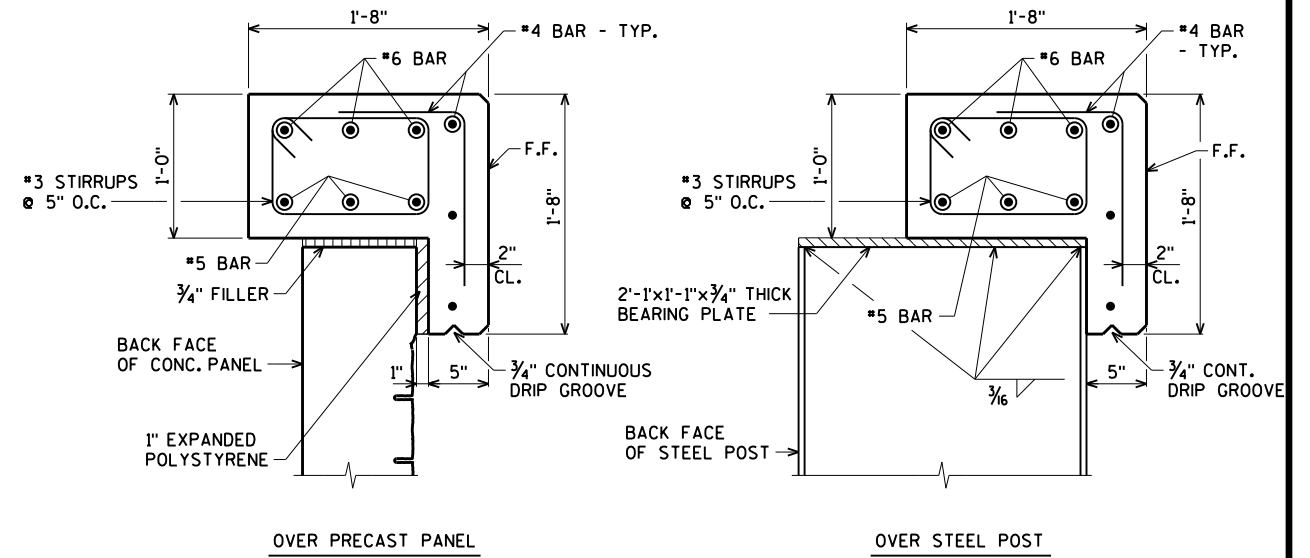
WALL DETAILS AT BOAT LAUNCH AND EXIST. WINGWALL

SHEET NO.
 ST-9



OVERLOOK FOUNDATION PLAN

- ⊗ INDICATES POST NUMBER
- △ PROVIDE PLATE BETWEEN FLANGES ABOVE LOWER WALL. SEE DETAIL ON SHEET ST-7.

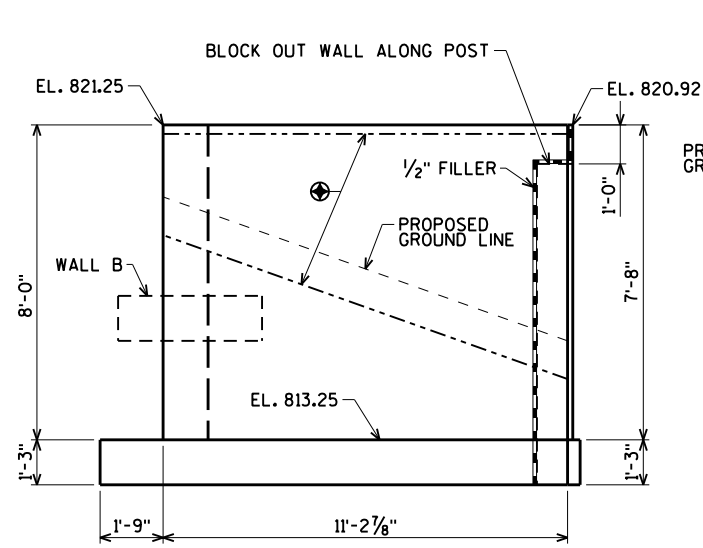


OVERLOOK SUPPORT BEAM DETAIL

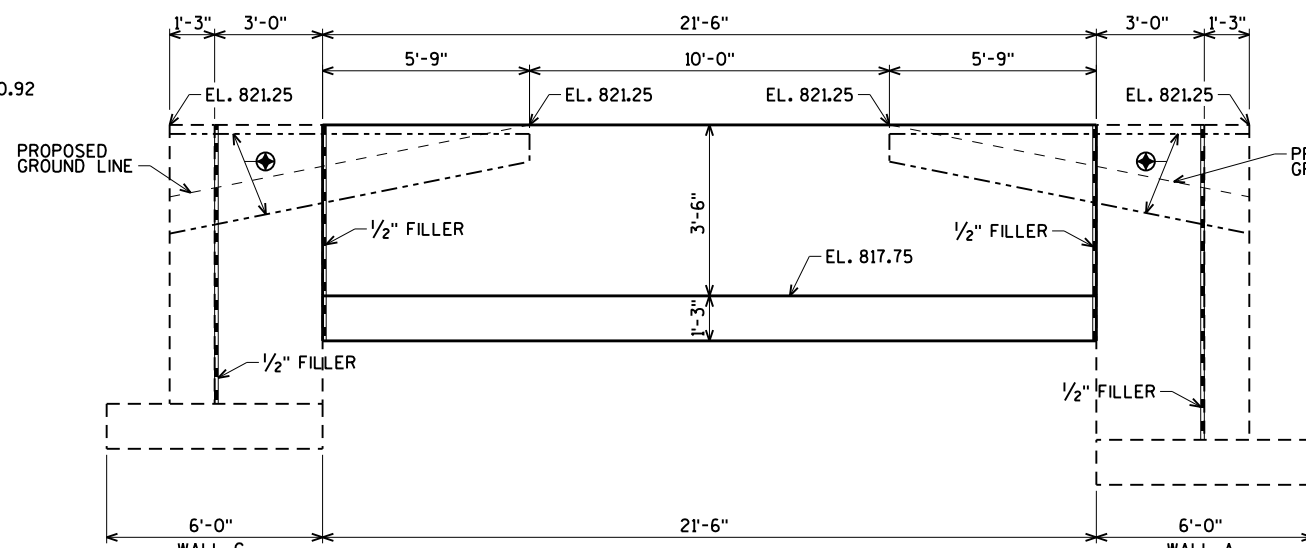
ALL BAR STEEL REINFORCEMENT SHALL BE EPOXY COATED.

PROVIDE STANDARD 180° HOOKS AT THE END OF THE #5 AND #6 LONGITUDINAL REINFORCING BARS OVER THE END POSTS (75 AND 80). EXTEND HOOKS TO 2" CLEAR AT END OF BEAM. IF LAPPING THE #5 AND #6 LONGITUDINAL REINFORCING BARS, PROVIDE 3'-5" AND 4'-1" MINIMUM LAP SPLICE, RESPECTIVELY.

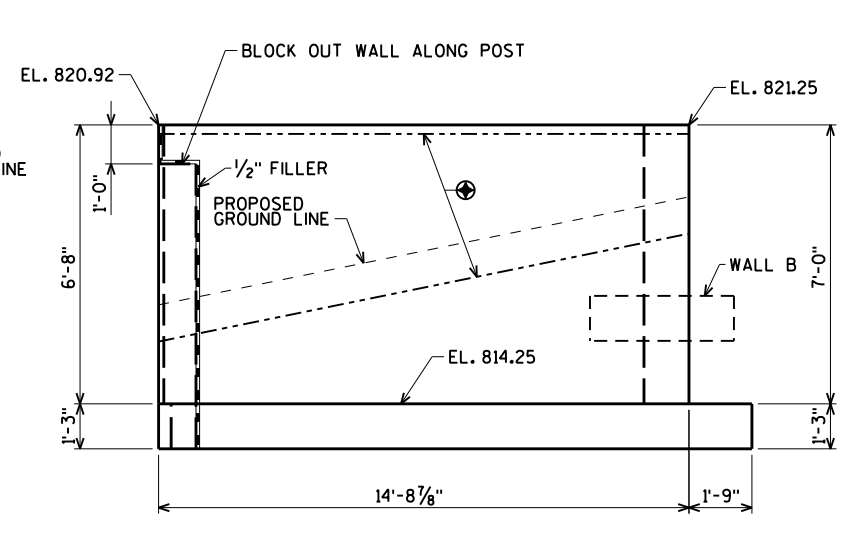
NOTE THAT THE REQUIRED CONCRETE STRENGTH FOR THE OVERLOOK SUPPORT BEAM IS 4000 p.s.i.



ELEVATION - WALL A
(LOOKING SOUTH)



ELEVATION - WALL B
(LOOKING WEST)



ELEVATION - WALL C
(LOOKING NORTH)

⊗ ARCHITECTURAL SURFACE TREATMENT. SEE SHEET ST-7.

AA-Standard.sdb

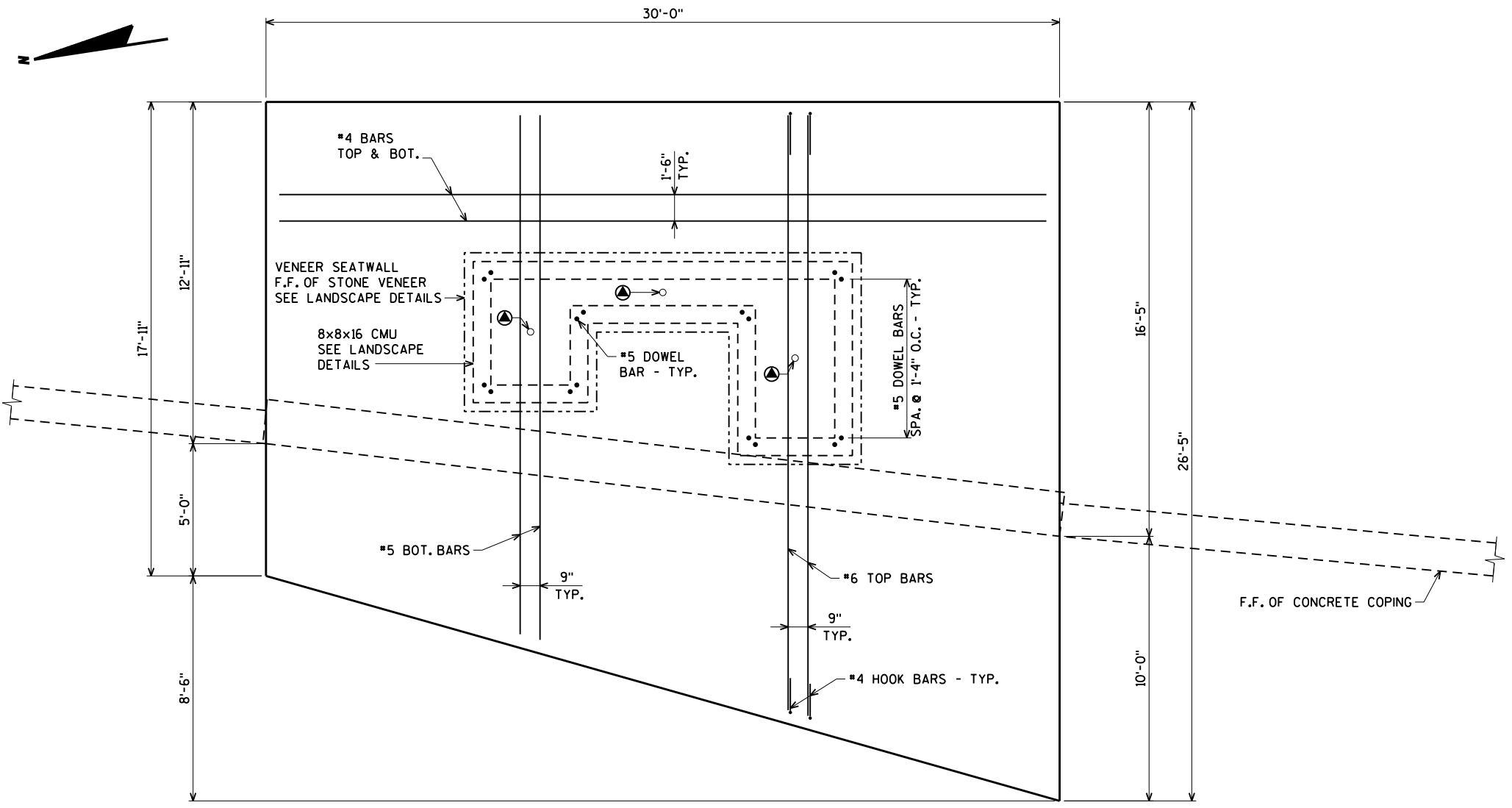
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DR BY	JWZ	PROJ NO	24-0294.00	-	-	-	-	-	-
CHK BY	DNS	DATE	90% REVIEW	NO	DATE	REVISION	NO	DATE	REVISION

ROCK RIVERWALK - PHASE I
WATERTOWN, WI



OVERLOOK FOUNDATION DETAILS

SHEET NO.
ST-10



OVERLOOK SLAB PLAN

OVERLOOK SLAB NOTES:

ACCOUNT FOR 1/4" OF DEFLECTION (TOP OF SLAB POURED 1/4" HIGHER THAN PLAN ELEVATIONS) IN THE CANTILEVERED SECTION OF SLAB TO ACCOUNT FOR DEAD LOAD DEFLECTION AFTER FORMWORK RELEASE.

ELECTRICAL CONDUIT TO BE LOCATED IN SLAB. COORDINATE WITH LANDSCAPE DETAILS.

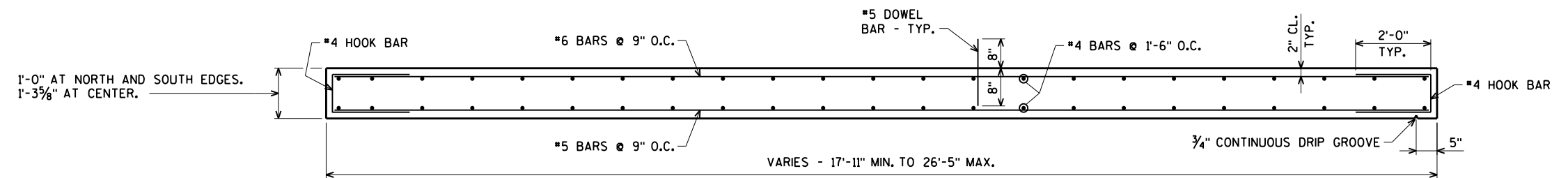
OVERLOOK SHELTER COLUMN SUPPORTS TO BE FOUNDED ON SLAB. COORDINATE WITH LANDSCAPE DETAILS.

COORDINATE LOCATION OF VENEER SEATWALL WITH LANDSCAPE DETAILS.

#5 DOWEL BARS TO EXTEND FROM SLAB INTO CMU BLOCKS FOR VENEER SEATWALL. MAINTAIN 3" CLEAR FROM EACH FACE OF CMU. COORDINATE WITH LANDSCAPE DETAILS.

SLOPE TOP OF SLAB TO PROVIDE DRAINAGE. SEE TOP OF SLAB ELEVATIONS ON 'PLAN AND PROFILE' SHEET.

⊙ 1" DIA. PVC PIPE THROUGH SLAB TO DRAIN INTERIOR OF SEATWALL.



TYPICAL SECTION THRU OVERLOOK SLAB
(LOOKING NORTH)

AA-Standard.sdb U:\24-0294.00 - Watertown Riverwalk\Structures\CADD\As Rev'd from Waukesha 16-09-12\WATERTOWN RW PLAN BORDER.dwg Layout: Model

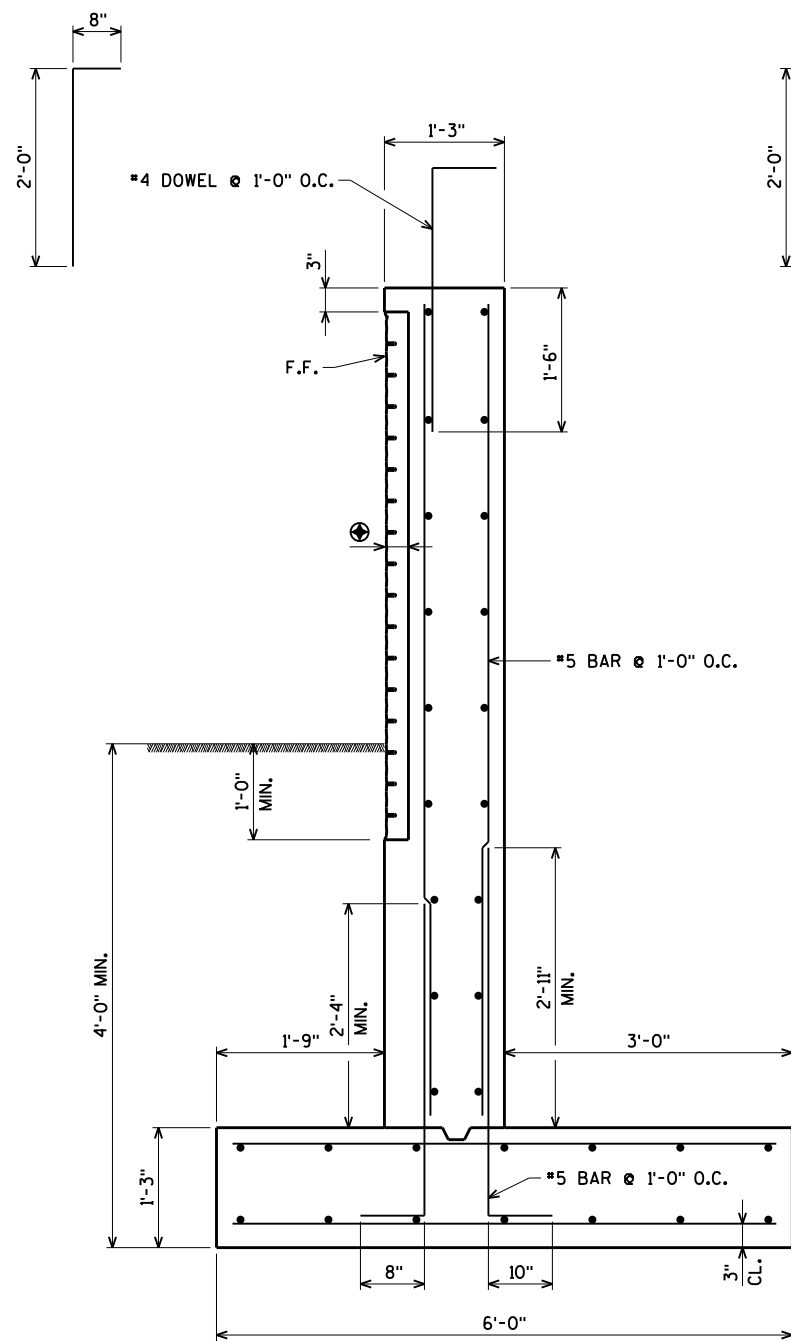
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DR BY	JWZ	PROJ NO	24-0294.00	-	-	-	-	-	-
CHK BY	DNS	DATE	90% REVIEW	NO	DATE	REVISION	NO	DATE	REVISION

ROCK RIVERWALK - PHASE I
WATERTOWN, WI

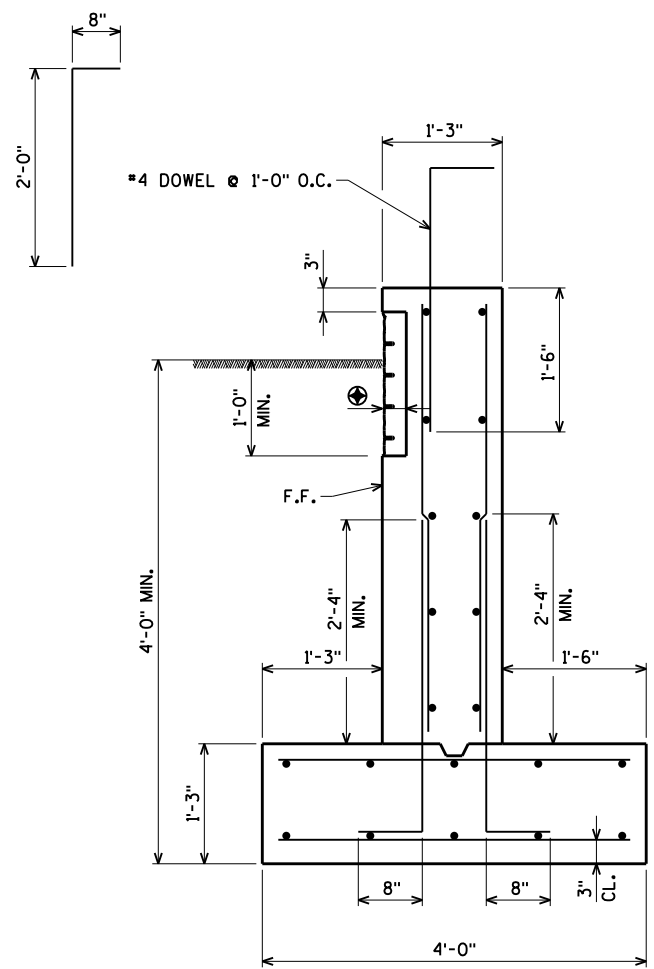


OVERLOOK SLAB DETAILS

SHEET NO.
ST-11



TYPICAL SECTION THRU WALLS A & C



TYPICAL SECTION THRU WALL B

⊕ ARCHITECTURAL SURFACE TREATMENT. SEE SHEET ST-7.

ALL BARS ARE #4 BARS SPACED AT 1'-0" MAX. UNLESS NOTED OTHERWISE.

USE STANDARD DEVELOPMENT AND HOOK LENGTHS. PROVIDE 2" CLEAR COVER UNLESS NOTED OTHERWISE.

BACKFILL BETWEEN WALLS AND UNDER OVERLOOK SLAB FROM BOTTOM OF WALL FOOTINGS TO BOTTOM OF SLAB WITH STRUCTURE BACKFILL.

EXCAVATE 1' OF EXISTING SOIL FROM BELOW PROPOSED FOOTINGS AND REPLACE WITH COMPACTED STRUCTURE BACKFILL.

AA-Standard.sdb
U:\24-0294.00 - Watertown Riverwalk\Structures\CADD\As Rev'd\16-09-12\WATERTOWN RW PLAN BORDER.dwg, Layout: Model

DES BY	JWZ	BOOK NO	-	-	-	-	-	-	-
DR BY	JWZ	PROJ NO	24-0294.00	-	-	-	-	-	-
CHK BY	DNS	DATE	90% REVIEW	NO	DATE	REVISION	NO	DATE	REVISION

ROCK RIVERWALK - PHASE I
WATERTOWN, WI

AYRES
ASSOCIATES
WAUKESHA, WI

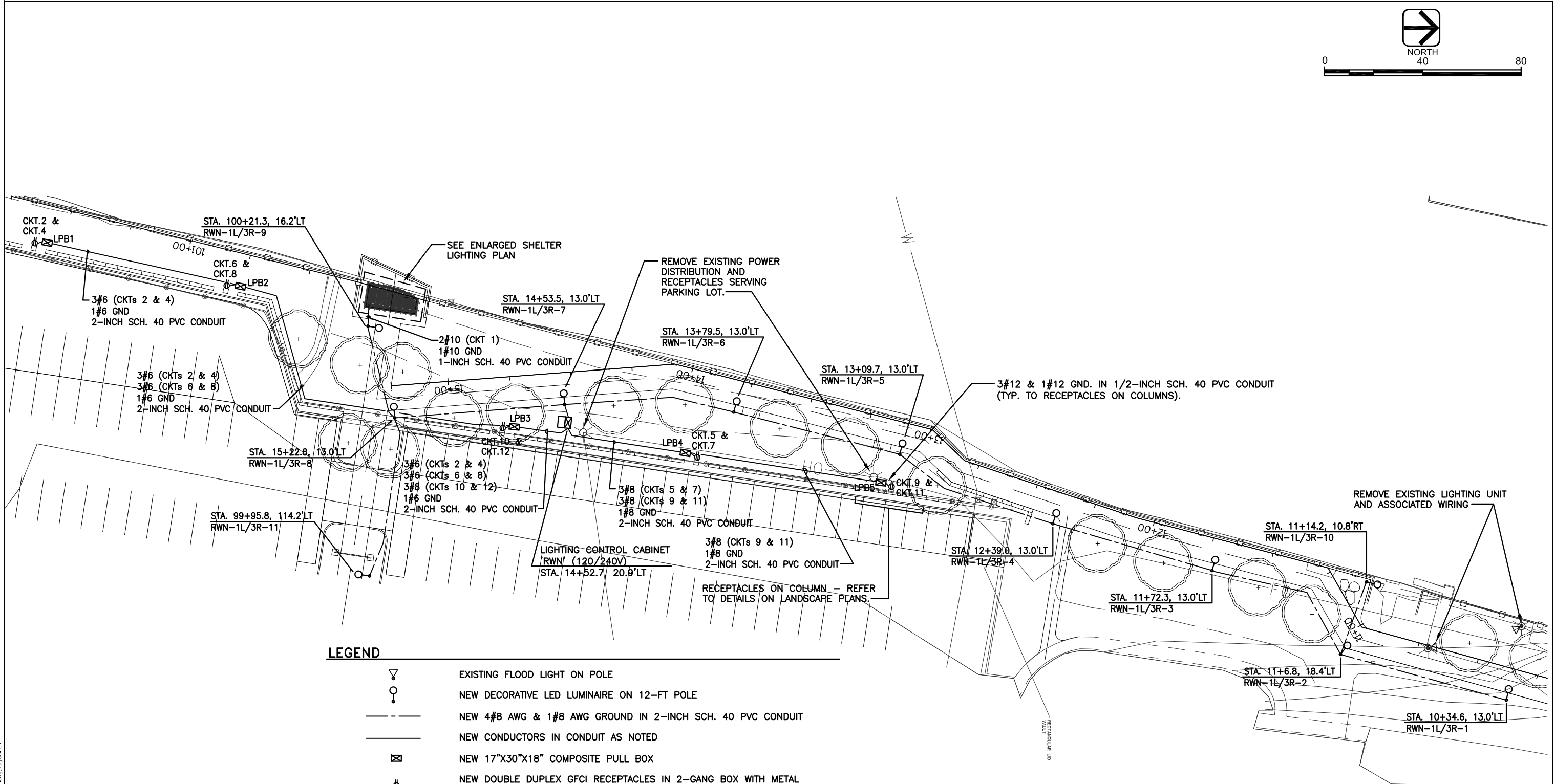
OVERLOOK FOUNDATION DETAILS

SHEET NO.



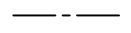
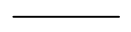


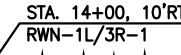




ST-12



0 NORTH 40 80



LEGEND

-  EXISTING FLOOD LIGHT ON POLE
-  NEW DECORATIVE LED LUMINAIRE ON 12-FT POLE
-  NEW 4#8 AWG & 1#8 AWG GROUND IN 2-INCH SCH. 40 PVC CONDUIT
-  NEW CONDUCTORS IN CONDUIT AS NOTED
-  NEW 17"X30"X18" COMPOSITE PULL BOX
-  NEW DOUBLE DUPLEX GFCI RECEPTACLES IN 2-GANG BOX WITH METAL WEATHERPROOF-WHILE-IN USE COVER (EACH RECEPT. ON DEDICATED CIRCUIT)
-  STA. 14+00, 10'RT
RWN-1L/3R-1 ← STATION (LOCATION)
-  POLE NUMBER
-  RECEPTACLE CIRCUIT
-  LUMINAIRE CIRCUIT
-  CABINET (SOURCE)

H:\PROJECTS\23234 - Watertown Riverwalk\Power\KE1 - Proposed Lighting Plan.dwg, Layout E1

DES BY	G.W.S.	BOOK NO							
DR BY	B.E.F.	PROJ NO	24-0294.00						
CHK BY	G.W.S.	DATE	07/19/2016	NO	DATE	REVISION	NO	DATE	REVISION

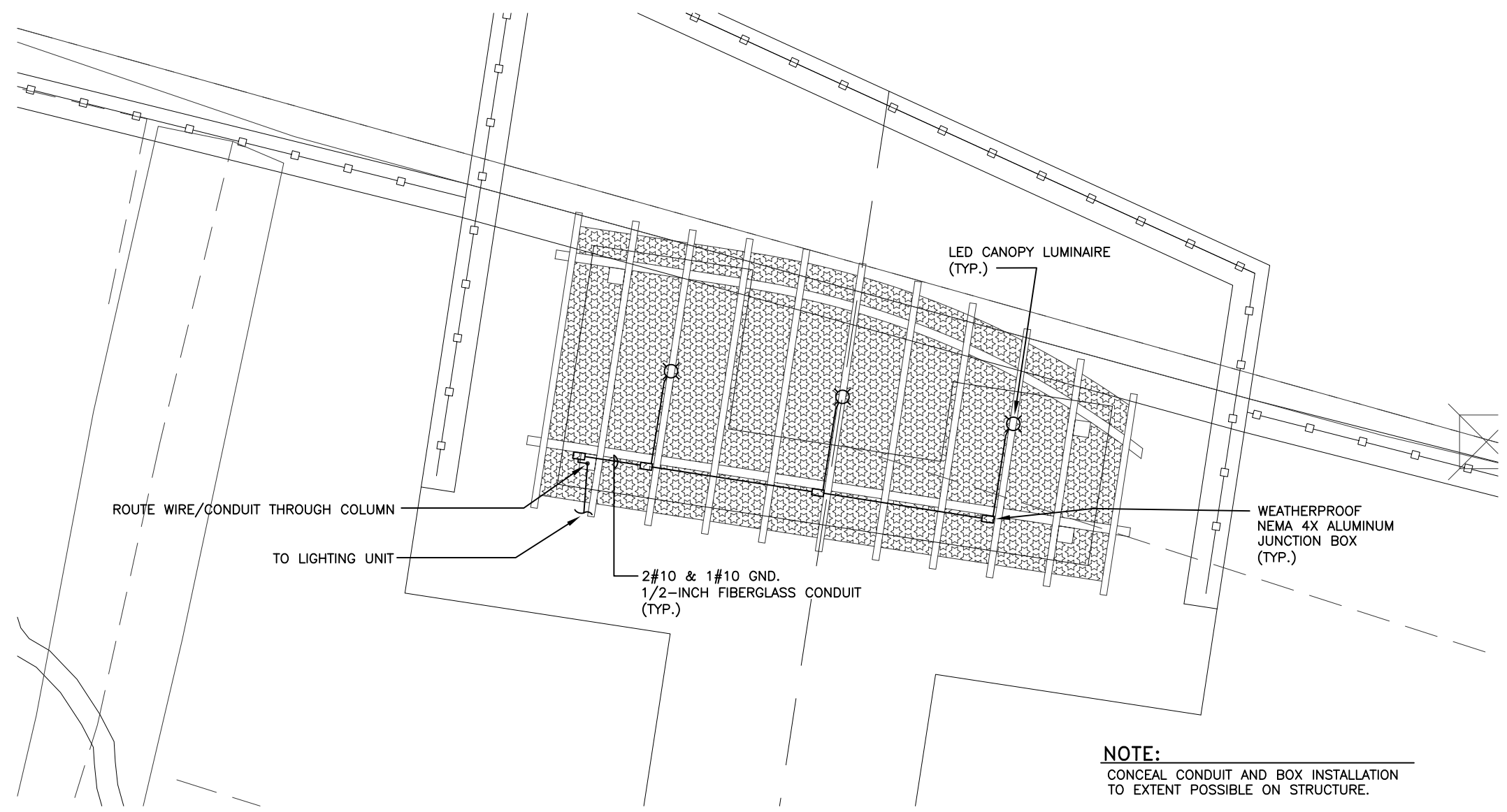
ROCK RIVER WALKWAY
WATERTOWN, WI



PROPOSED SITE ELECTRICAL PLAN

Powrtek Engineering, Inc.
 20711 WATERTOWN RD., SUITE C
 WAUKESHA, WI 53186
 VOICE: 262-827-9575
 FAX: 262-827-9615

SHEET NO.
E - 1



NOTE:
 CONCEAL CONDUIT AND BOX INSTALLATION
 TO EXTENT POSSIBLE ON STRUCTURE.

Powrtek
 Engineering, Inc.
 20711 WATERTOWN RD., SUITE C
 WAUKESHA, WI 53186
 VOICE: 262-827-9575
 FAX: 262-827-9615

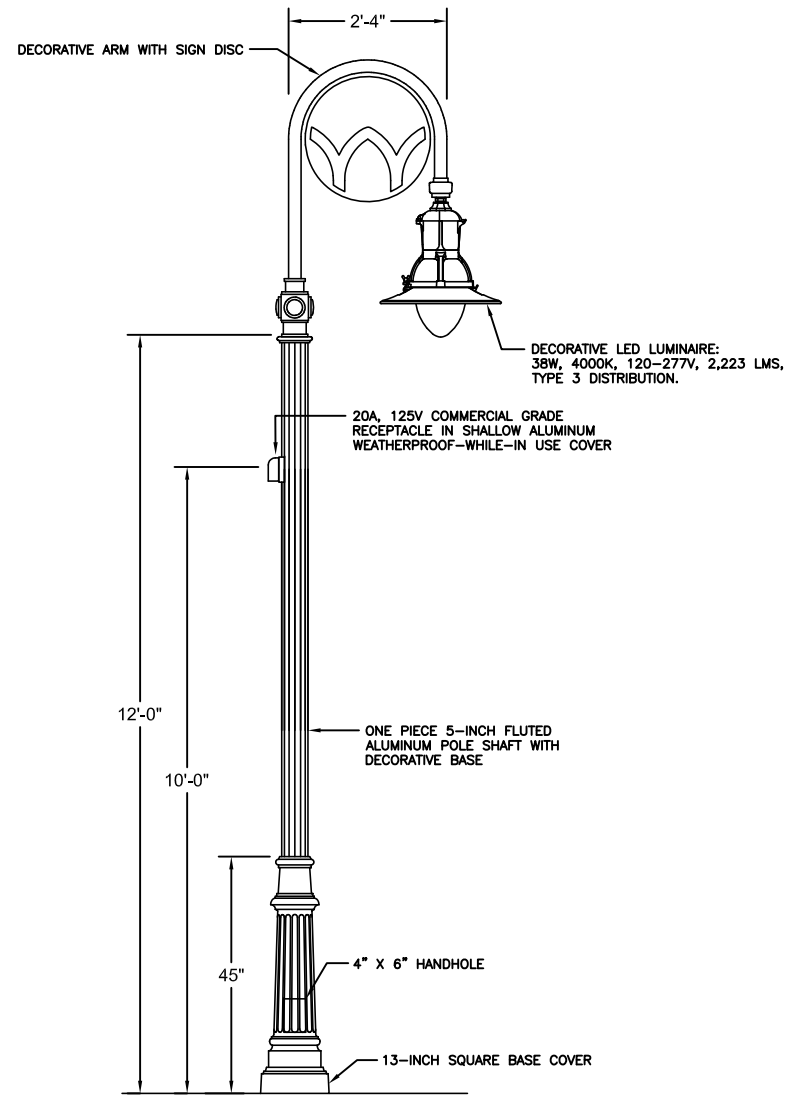
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DR BY	B.E.F.	PROJ NO	24-0294.00						
CHK BY	G.W.S.	DATE	07/19/2016	NO	DATE	REVISION	NO	DATE	REVISION

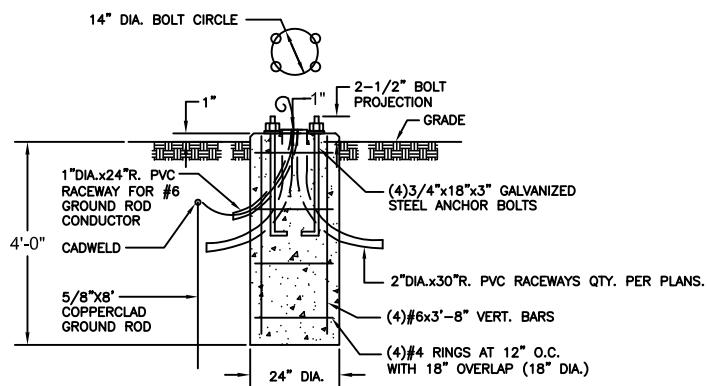
ROCK RIVER WALKWAY
 WATERTOWN, WI



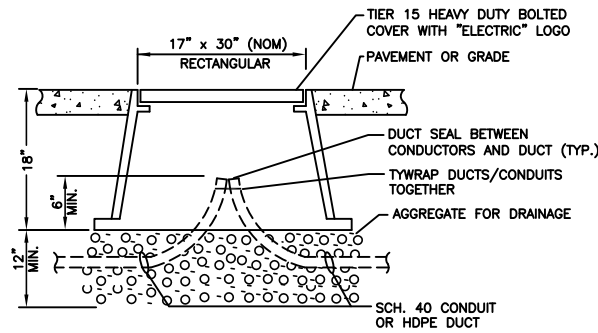
PROPOSED SHELTER LIGHTING PLAN



LIGHTING UNIT
NO SCALE

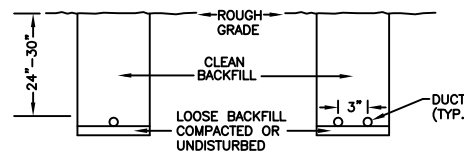


LIGHTING UNIT - CONCRETE BASE
NO SCALE



NOTE:
1. PULLBOX IS A UL LISTED CONCRETE COMPOSITE.

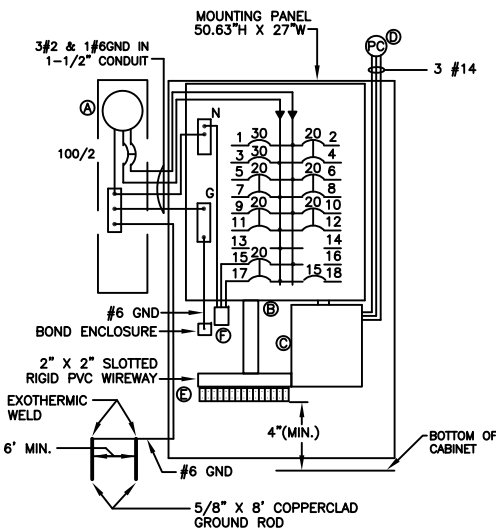
LIGHTING PULL BOX
NO SCALE



TRENCH FOR NONMETALLIC CONDUIT
NO SCALE

CKT. 1	CKT. 3	CKT. 5	CKT. 7	CKT. 9	CKT. 11	CKT. 2	CKT. 4	CKT. 6	CKT. 8	CKT. 10	CKT. 12	GND.
NEUT.	NEUT.	NEUT.	NEUT.	NEUT.	NEUT.	GND.	NEUT.	NEUT.	NEUT.	NEUT.	NEUT.	GND.

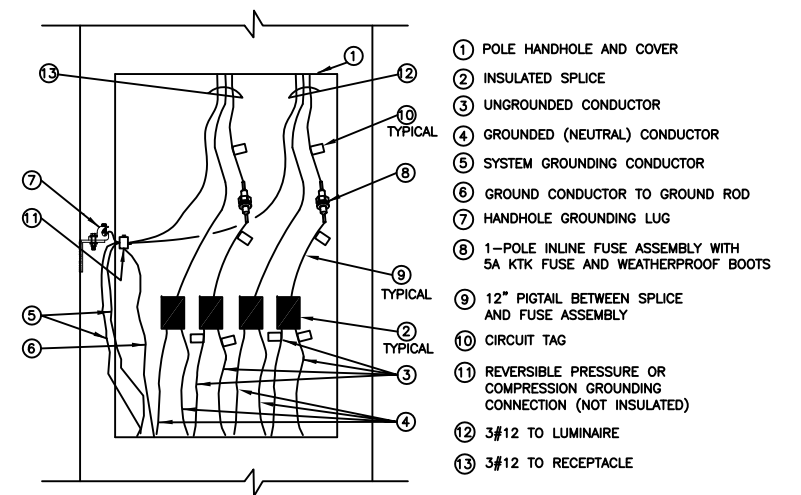
TERMINAL BLOCK LAYOUT



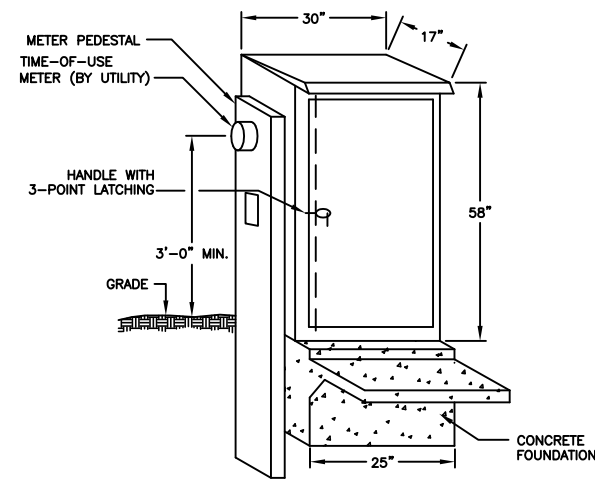
EQUIPMENT LAYOUT

EQUIPMENT LAYOUT NOTES:

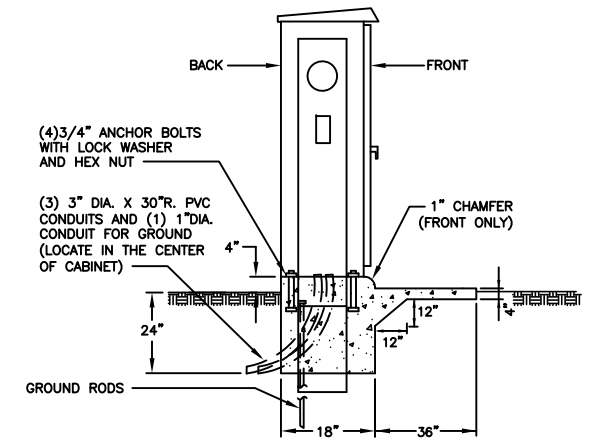
- (A) UTILITY APPROVED 0-200A, 1PH, 3W, 120/240V METER PEDESTAL WITH 100A/2P, 22KAIC CIRCUIT BREAKER.
- (B) 100A MLO, 120/240V, 1PH, 3W, 18CKT. 14" WIDE PANELBOARD WITH (2)30A/1P (POLE LTG/RCPT), (6)20A/2P (COLUMN RCPT), (1)20A/2P (SURGE ARRESTER) & (1)15A/1P (CONTROL) BOLT-ON BRANCH CIRCUIT BREAKERS, RATED 22KAIC (MIN.).
- (C) 30A, 4P, 600V ELECTRICALLY HELD CONTACTOR, WITH 120V CONTROL COIL, AND HAND-OFF-AUTO SWITCH IN FACTORY ASSEMBLED NEMA 1 ENCLOSURE.
- (D) PHOTOCELL INSTALLED IN OVERHANG OF CABINET ABOVE DOOR (FACING DOWN).
- (E) FIELD WIRING TERMINATION STRIP (REFER TO TERMINAL BLOCK LAYOUT).
- (F) SURGE ARRESTER.



POLE WIRING DETAIL
NO SCALE



CABINET VIEW



SIDE VIEW

LIGHTING CONTROL CABINET NOTES:

- 1. ALL CONTROL WIRING SHALL BE COLOR CODED #14 AWG, XLP UNLESS OTHERWISE NOTED.
- 2. ALL POWER AND CONTROL WIRING SHALL BE NEATLY ROUTED, LABELED AND SUPPORTED.
- 3. THE LIGHTING CONTROL CABINET SHALL BE COMPLETELY WIRED UP TO THE FIELD WIRING TERMINATION STRIP IN THE CONTRACTORS SHOP AND TESTED PRIOR TO INSTALLATION AT THE SITE.
- 4. AN 11X17-INCH SET OF PLANS WITH AS-BUILT (RECORD) CONDITIONS SHALL BE PUT IN A PLASTIC PROTECTOR IN THE CABINET.
- 5. THE CONTRACTOR SHALL COMPLY WITH UTILITY INSTALLATION REQUIREMENTS.
- 6. USE #10 AWG XLP CONDUCTORS FROM THE CB'S ASSOCIATED WITH FIELD WIRING CIRCUITS TO THE FIELD WIRING TERMINATION STRIP. PROVIDE A GROUND WIRE TO FIELD WIRING TERMINATION STRIP FROM PANELBOARD FOR EACH UNDERGROUND CABLE RUN TO LIGHTING UNITS AS REQUIRED. ROUTE CIRCUITS 1 & 3 (POLE LUMINAIRES/RECEPTACLES ONLY) THROUGH THE CONTACTOR.
- 7. CABINET TO OPEN AWAY FROM ROADWAY WHERE POSSIBLE.
- 8. ORIENT CONDUITS AS APPROPRIATE. CAP SPARE CONDUITS.

LIGHTING CONTROL CABINET
NOT TO SCALE



R:\PROJECTS\2324 - Watertown Riverwalk\Power\E-3 - Electrical Details\dwg - Layout: E3

DES BY	G.W.S.	BOOK NO							
DR BY	B.E.F.	PROJ NO	24-0294.00						
CHK BY	G.W.S.	DATE	07/19/2016	NO	DATE	REVISION	NO	DATE	REVISION

ROCK RIVER WALKWAY
WATERTOWN, WI



ELECTRICAL DETAILS

SHEET NO.
E - 3