

GENERAL NOTES

- NO TREES OR SHRUBS SHALL BE REMOVED UNLESS SUCH TREES OR SHRUBS HAVE BEEN DESIGNATED FOR REMOVAL BY THE ENGINEER.
- DISTURBED AREAS WITHIN THE RIGHT OF WAY ARE TO BE SALVAGED TOPSOILED, FERTILIZED, AND SEEDED AS DIRECTED BY THE ENGINEER.
- WHEN PORTIONS OF EXISTING ASPHALTIC SURFACES ARE TO BE REMOVED TO ACCOMMODATE NEW CONSTRUCTION, THE LINE OF SUCH REMOVAL SHALL BE NEATLY DELINEATED WITH A SAW CUT JOINT THROUGH THE ASPHALTIC SURFACE SO THAT REMOVAL OF THE ASPHALT SHALL BE ACCOMPLISHED WITHOUT DAMAGE TO REMAINING PORTIONS. THE LOCATION OF SAW JOINTS AND THE AMOUNT REMOVED AT SIDE ROADS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- PAVING LIMITS ARE TO BE DETERMINED BY THE ENGINEER.
- CROSS SLOPES AS SHOWN ON THE TYPICAL SECTION WILL VARY AT THE INTERSECTIONS.
- THE LOCATIONS OF UTILITIES SHOWN ON THE PLAN ARE APPROXIMATE. THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT THAT ARE NOT SHOWN.
- UTILITIES ARE SHOWN AS EXISTED PRIOR TO RELOCATION ACTIVITIES.
- WISDOT MONUMENTS WILL BE SUPPLIED BY THE STATE AND INSTALLED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER.

UTILITY CONTACTS

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MAHESH.SHRESTHA@DOT.WI.GOV

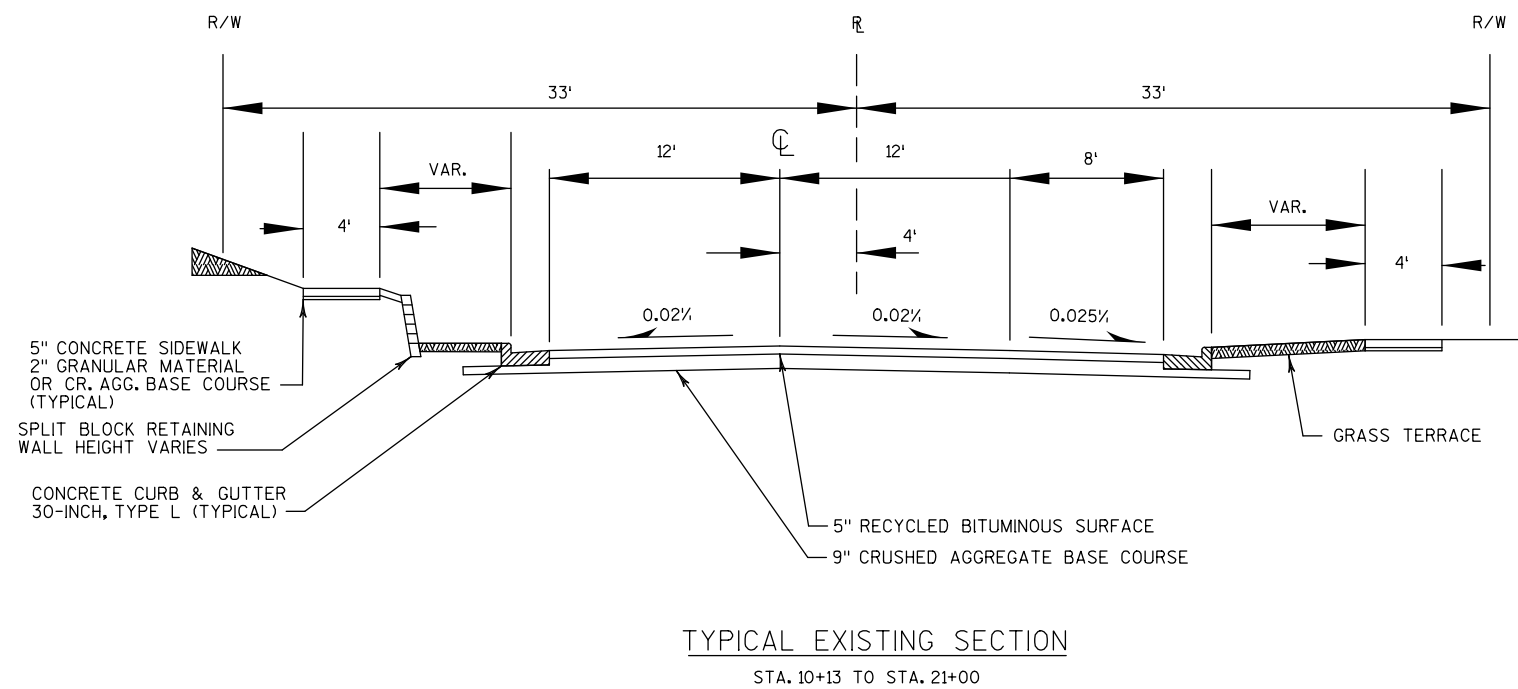
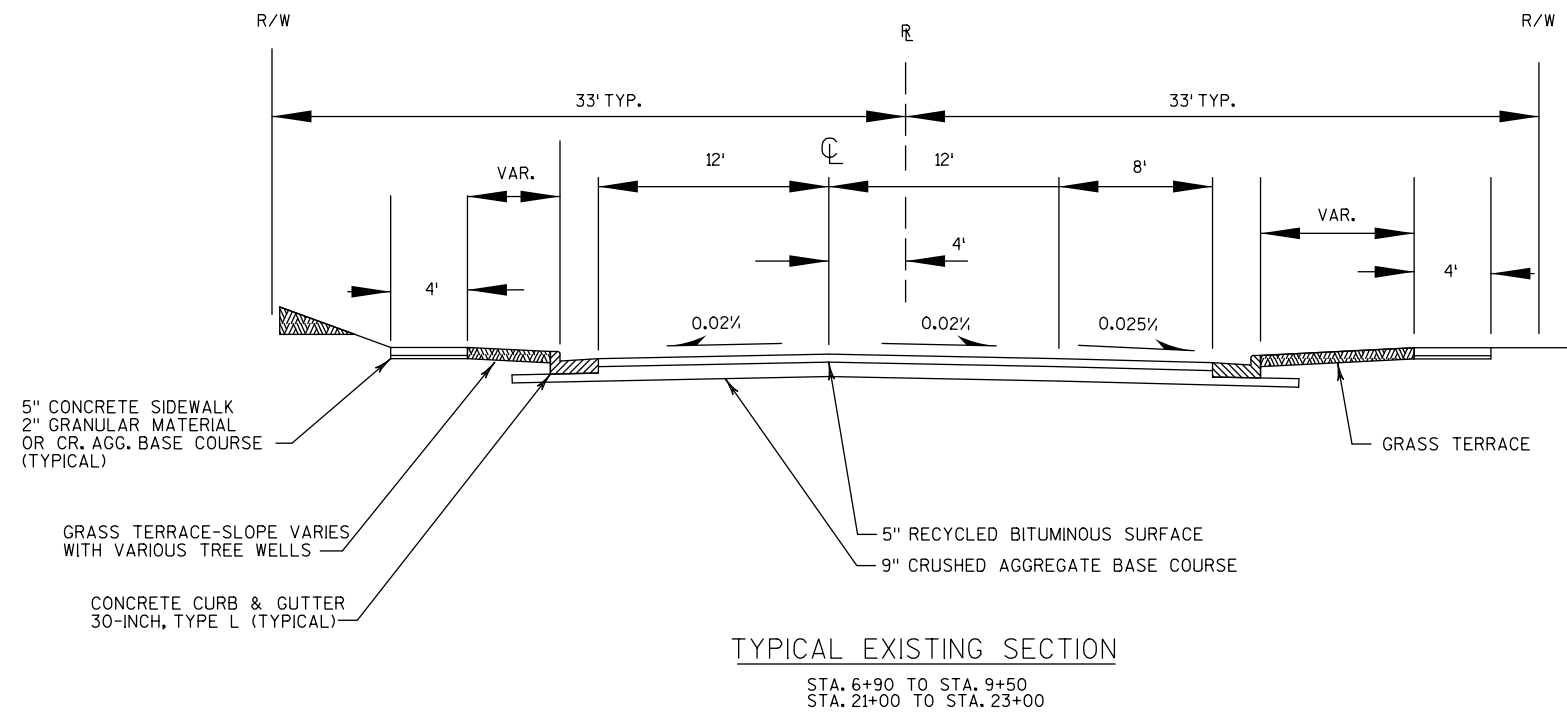
AREA CONTACTS

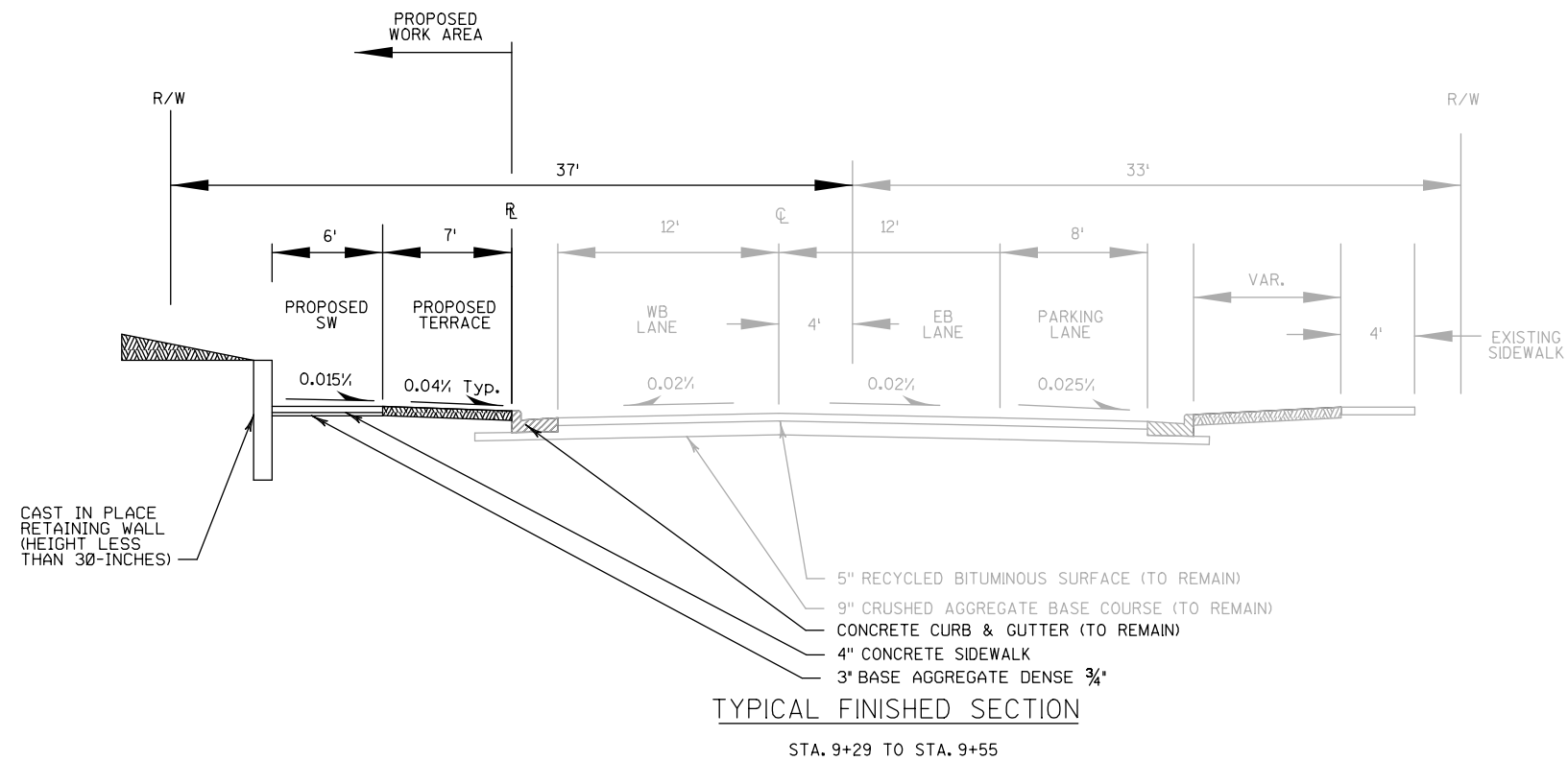
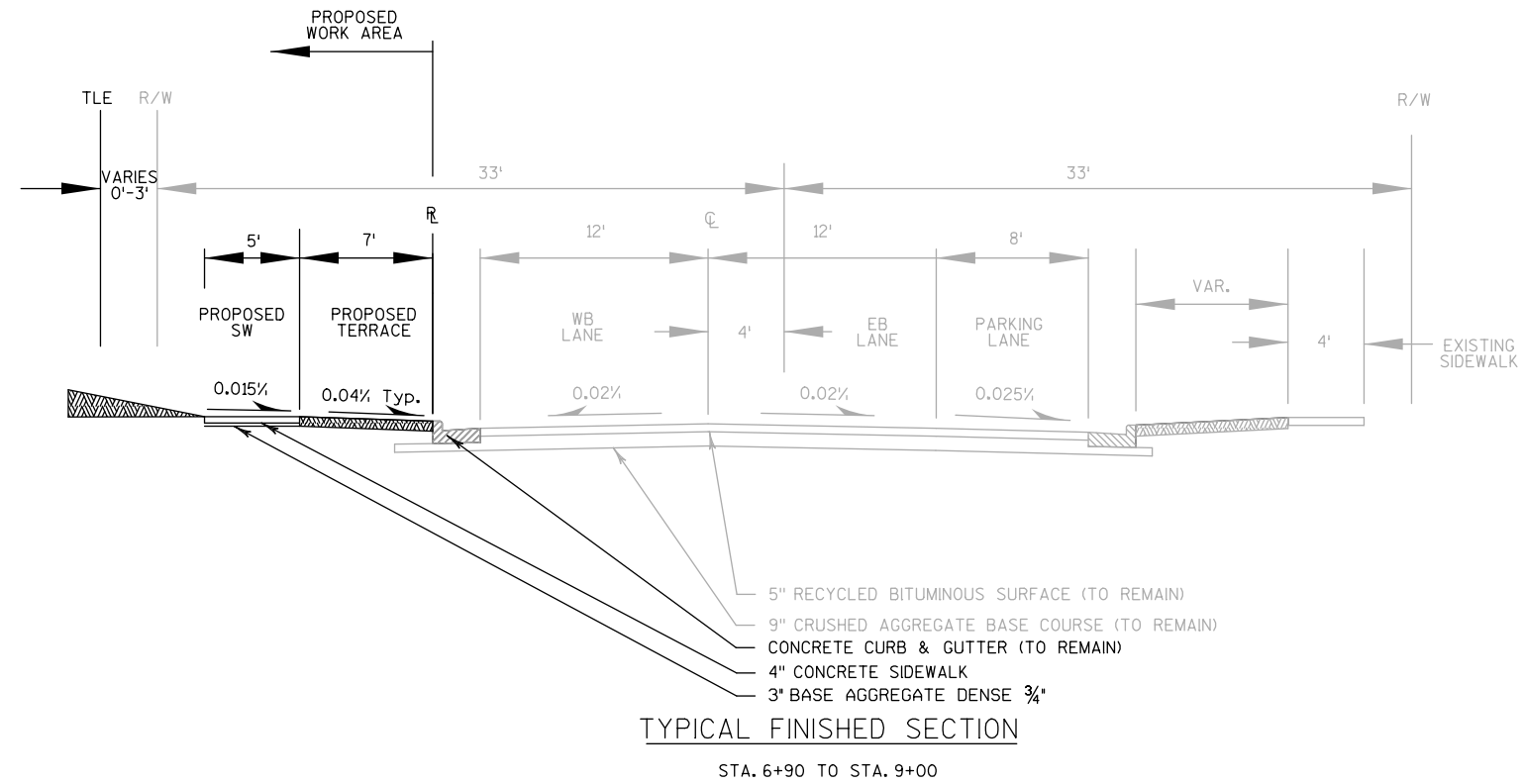
DESIGN CONTACT
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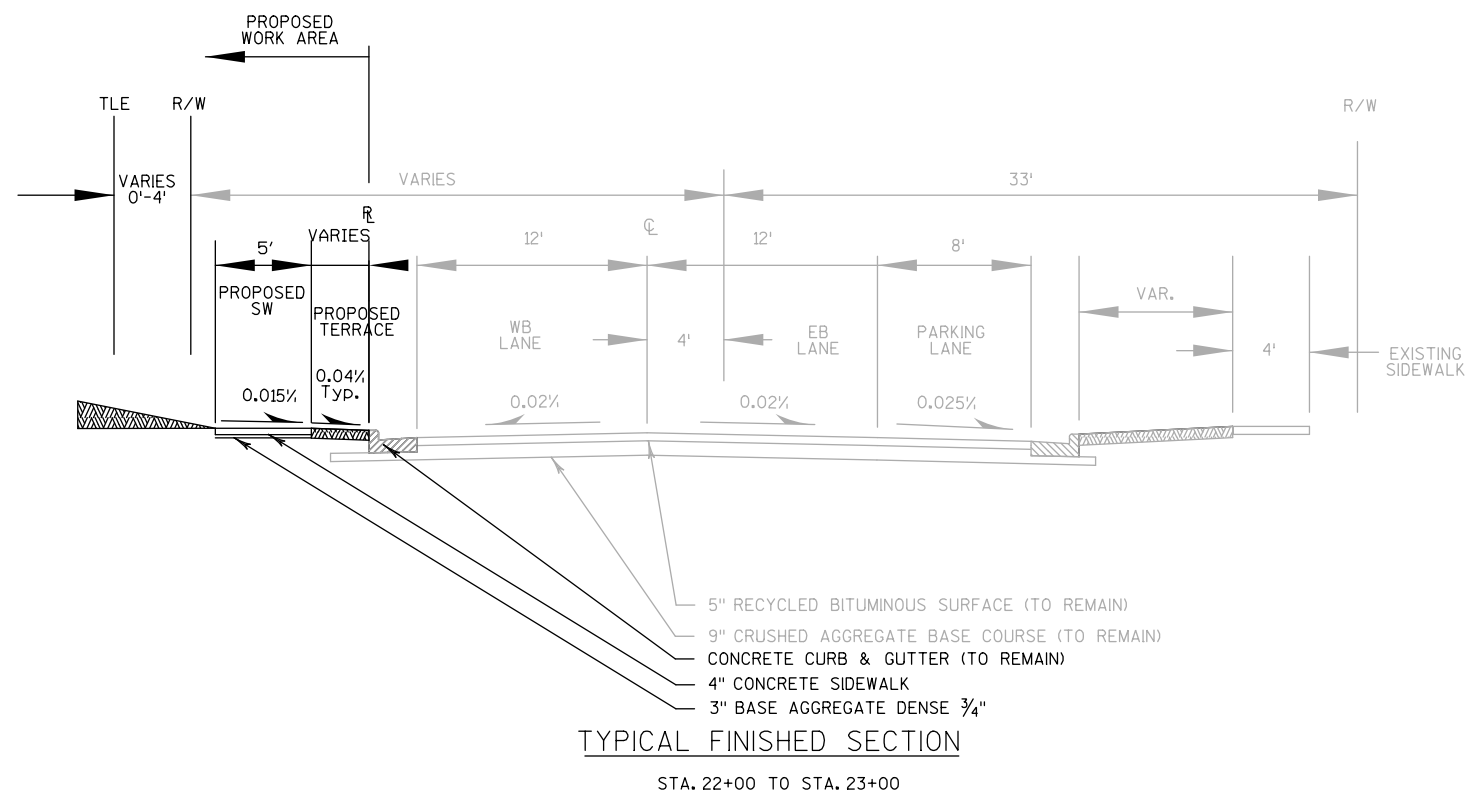
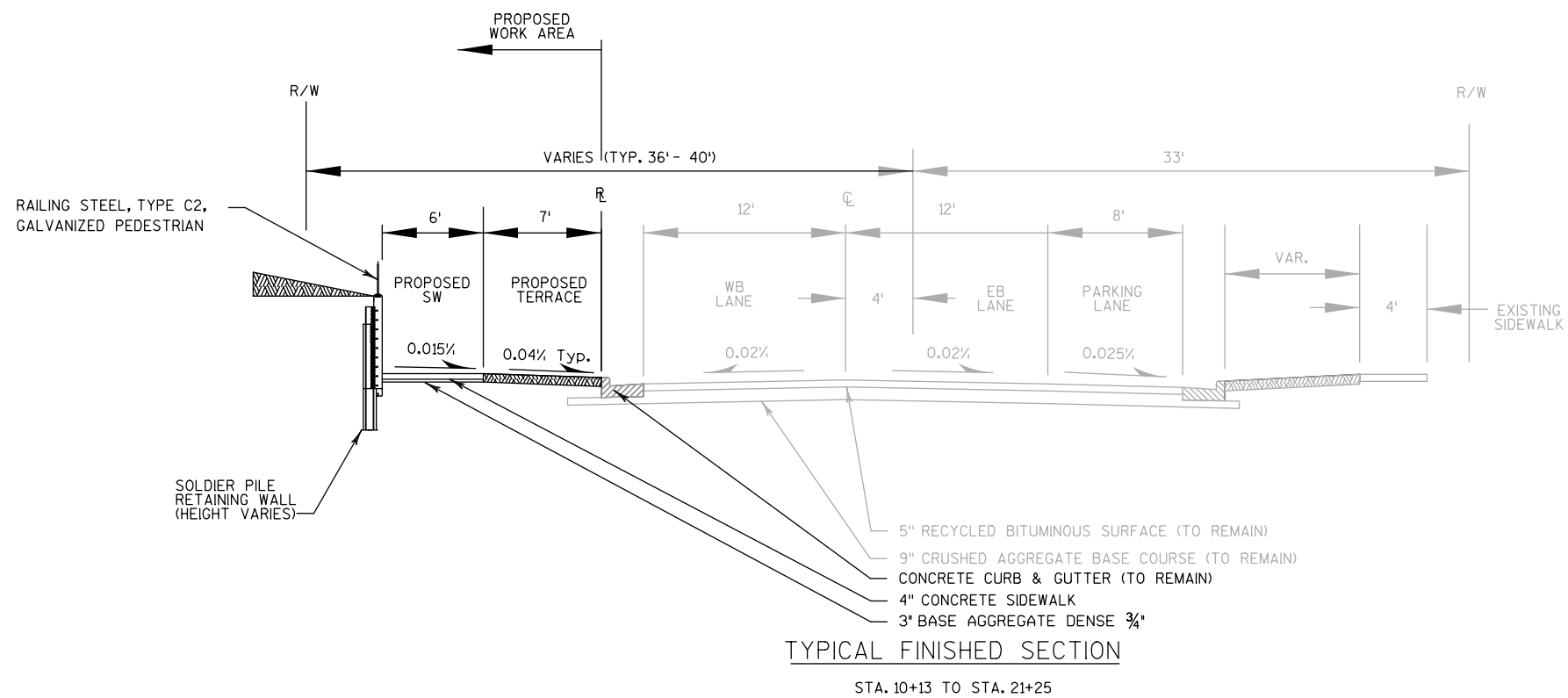
WisDNR CONTACT
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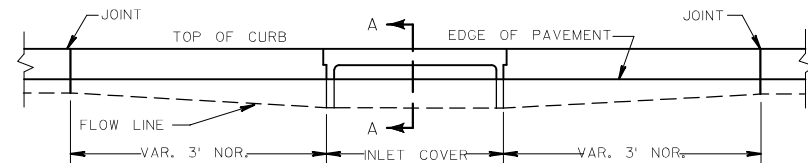
STANDARD ABBREVIATIONS

AC	ACRE	INL	INLET
AGG	AGGREGATE	INV	INVERT
AH	AHEAD	JCT	JUNCTION
AADT	ANNUAL AVERAGE DAILY TRAFFIC	LT	LEFT
ASPH	ASPHALTIC	L	LENGTH OF CURVE
AVG	AVERAGE	LIN FT or LF	LINEAR FOOT
BK	BACK	LS	LUMP SUM
BAD	BASE AGGREGATE DENSE	NC	NORMAL CROWN
BM	BENCH MARK	N	NORTH
BR	BRIDGE	NB	NORTHBOUND
CL or C/L	CENTER LINE	NO	NUMBER
CE	COMMERCIAL ENTRANCE	PT	POINT
CONC	CONCRETE	PC	POINT OF CURVATURE
CO	COUNTY	PI	POINT OF INTERSECTION
CTH	COUNTY TRUNK HIGHWAY	PT	POINT OF TANGENCY
CR	CREEK	PCC	PORTLAND CEMENT CONCRETE
CABC	CRUSHED AGGREGATE BASE COURSE	LB	POUND
CY or CUYD	CUBIC YARD	PE	PRIVATE ENTRANCE
CULV	CULVERT	R	RADIUS
CP	CULVERT PIPE	RL or R/L	REFERENCE LINE
C & G	CURB AND GUTTER		

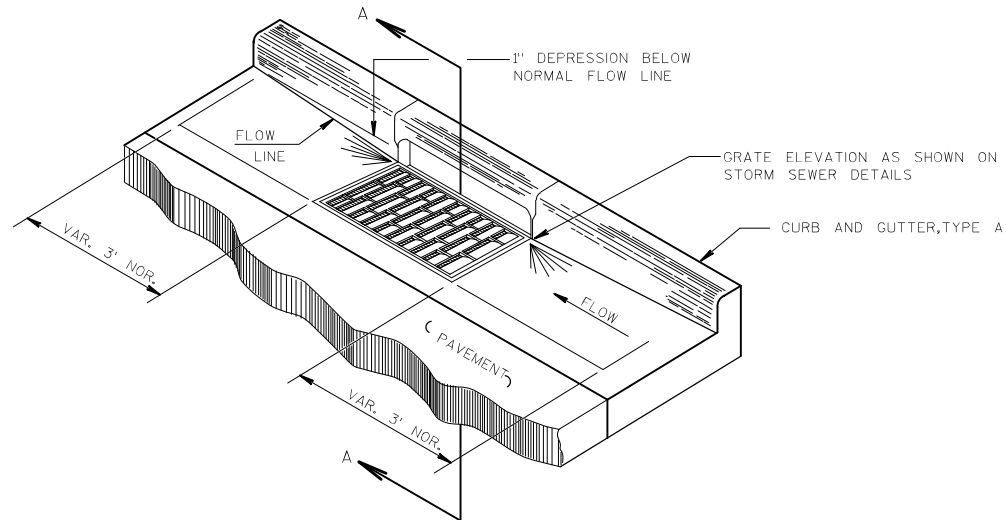
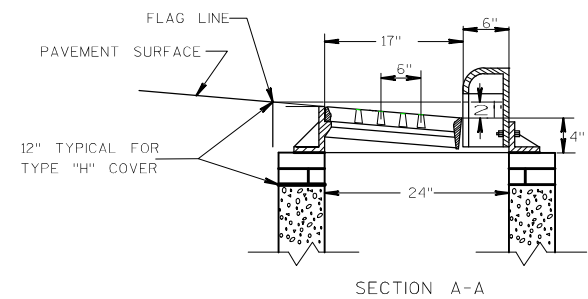




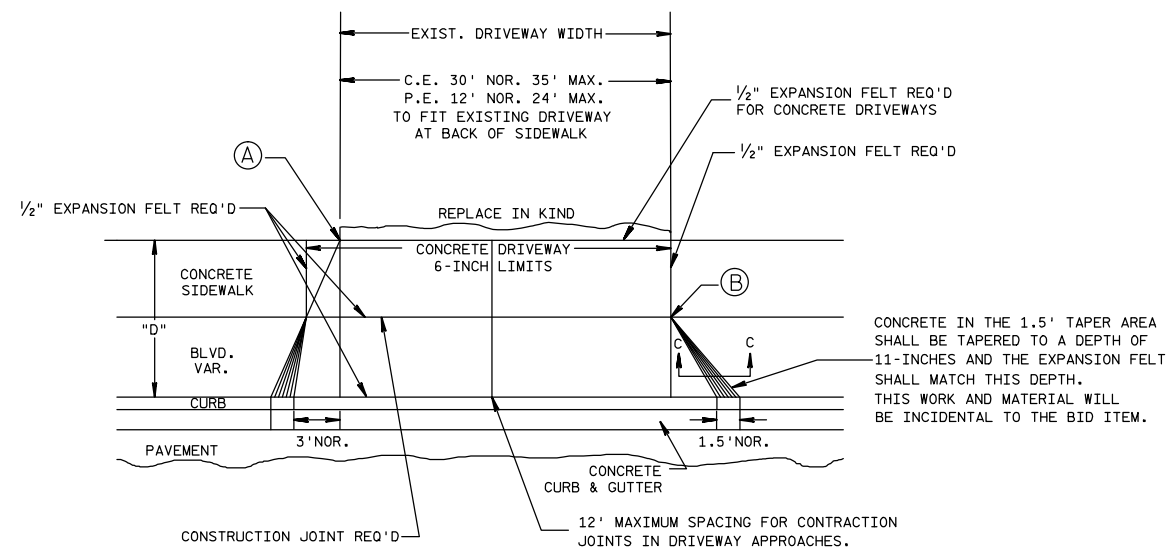




ELEVATION

DETAIL OF CURB AND GUTTER AT INLETS
(TYPE 3-H INLET SHOWN)

SECTION A-A

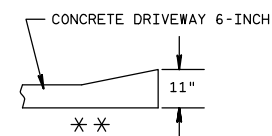


PLAN VIEW

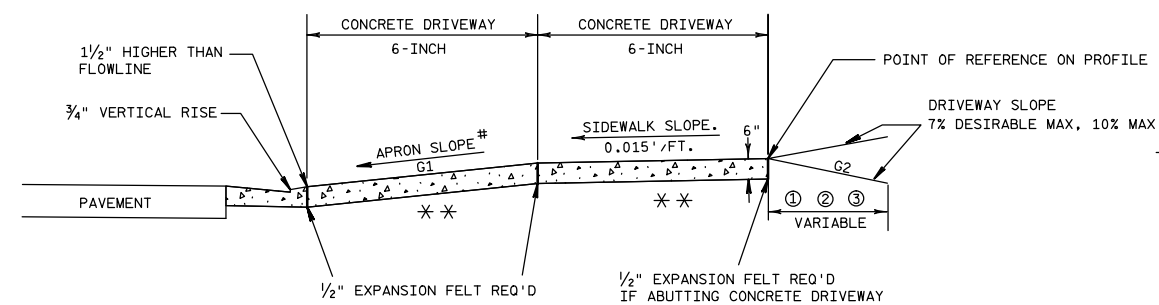
STA 8+10
STA 8+32
STA 14+80

(A) WHEN "D" IS 13' OR LESS, ALIGN TAPER WITH BACK OF SIDEWALK

(B) WHEN "D" IS GREATER THAN 13', ALIGN TAPER WITH FRONT OF SIDEWALK



SECTION C-C



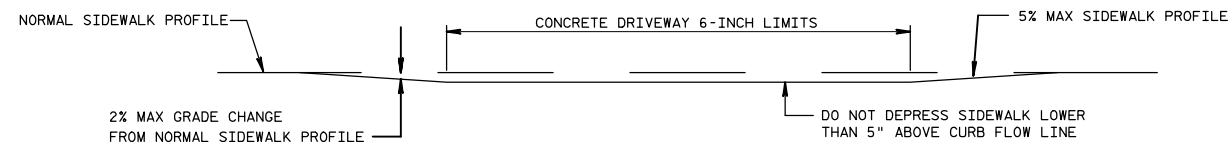
TYPICAL SIDEWALK SECTION

- ①—6" CONCRETE DRIVEWAY OR H.E.S. CONCRETE DRIVEWAY
②— 6" BASE AGG. DENSE 3/4-INCH
③— 4" BASE AGG. DENSE 3/4-INCH BASE WITH 3" ASPHALTIC SURFACE
** = 6" BASE AGG. DENSE 3/4-INCH REQ'D UNDER CONCRETE DRWY

TERRACE	APRON SLOPE (G1)		
	WIDTH	MIN %	DESIRABLE %
3 FT	7.0	8.5	9.0
4 FT	5.0	7.0	9.0
5 FT	4.0	7.0	9.0
6 FT	4.0	7.0	9.0
7 FT	3.5	7.0	9.0
8 FT	3.0	7.0	9.0

NOTE: ALGEBRAIC DIFFERENCE BETWEEN TANGENT GRADES G1 & G2 TO NOT EXCEED 15%

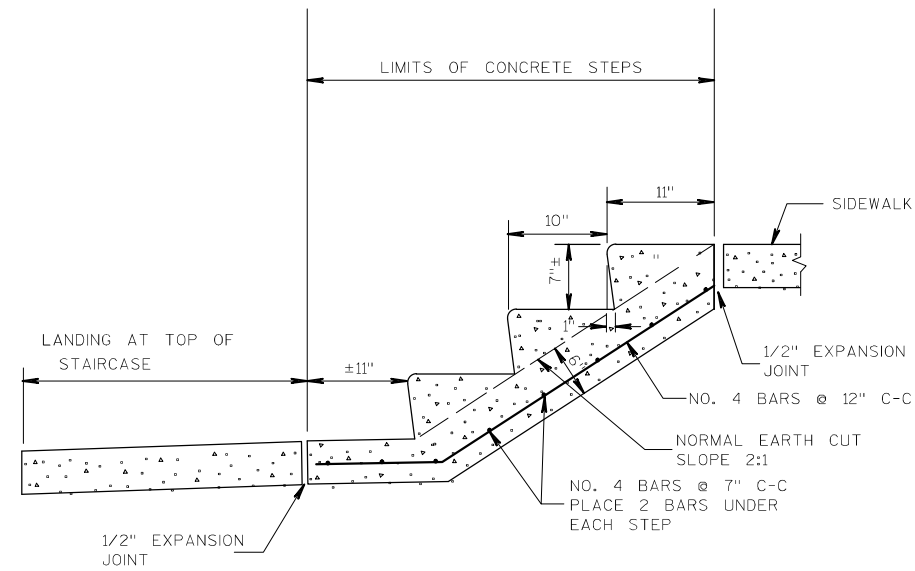
DEPRESS SIDEWALK PROFILE IF DRIVEWAY APRON EXCEEDS MAX SLOPE



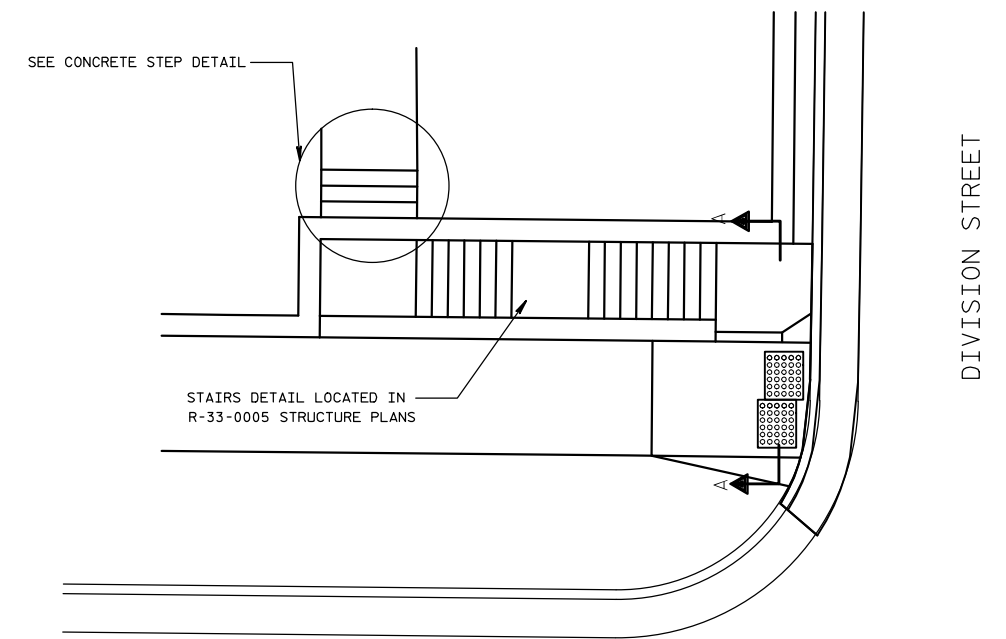
DEPRESSED SIDEWALK PROFILE DETAIL

DRIVEWAY ENTRANCE DETAIL WITH SIDEWALK, CURB & GUTTER

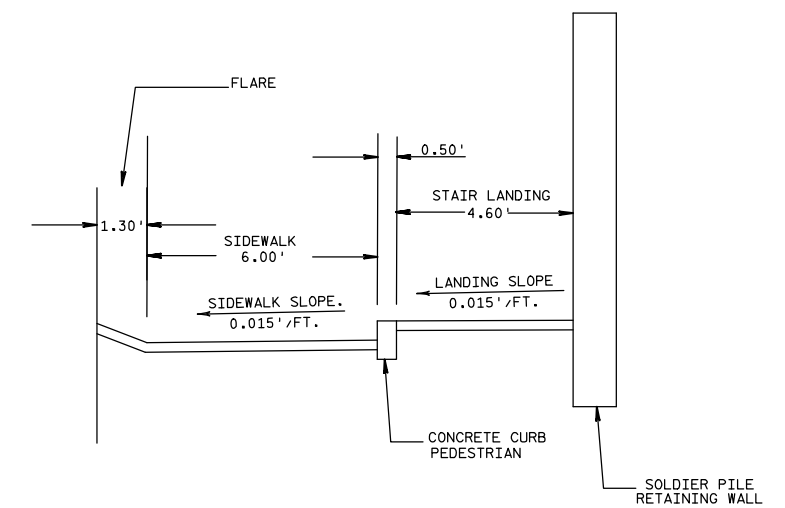
NOTE: THE EXACT LOCATION, WIDTHS & NUMBER OF STEPS TO BE DETERMINED BY THE ENGINEER IN FIELD.



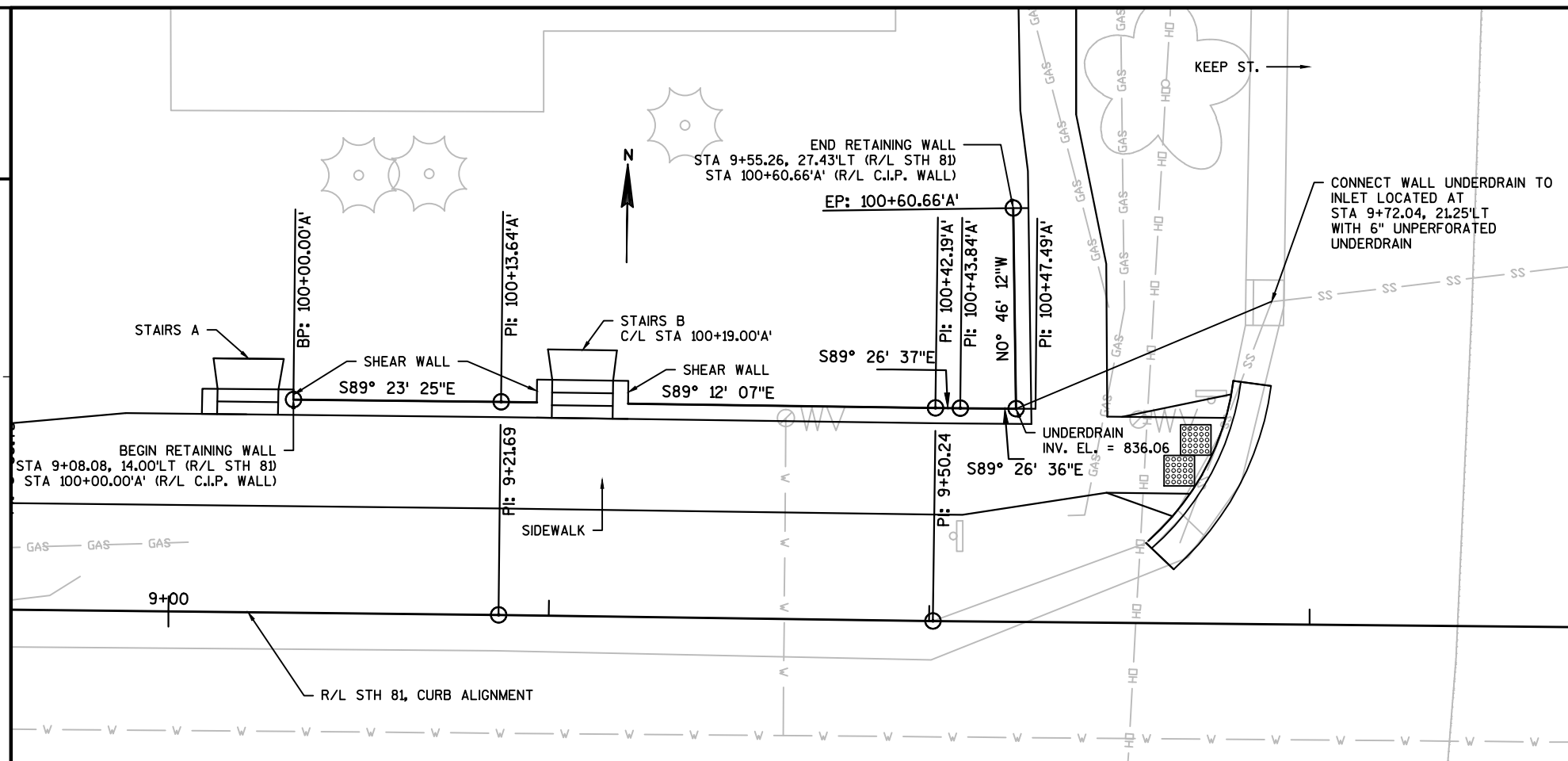
CONCRETE STEP DETAIL
STA 15+98, 19' LT



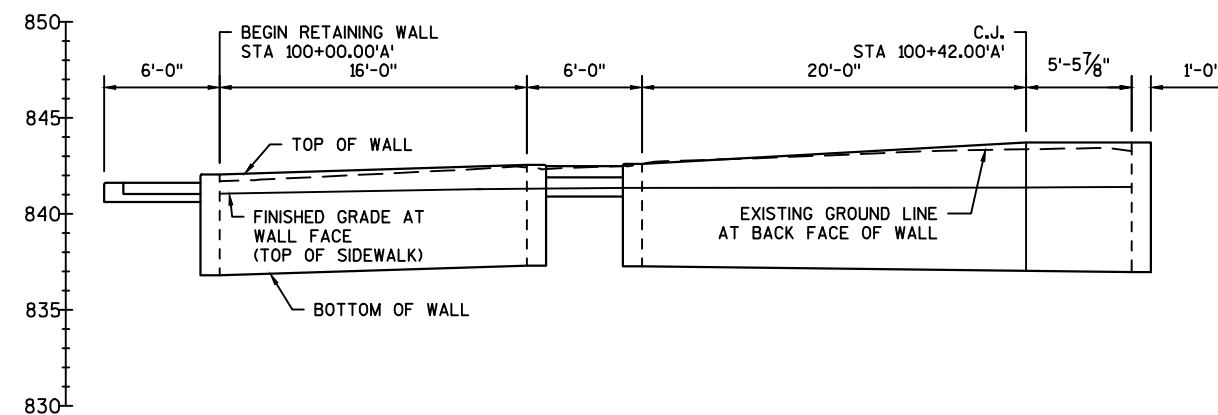
DIVISION ST/ STH 81 CURB RAMP/ STAIRWAY ACCESS DETAIL



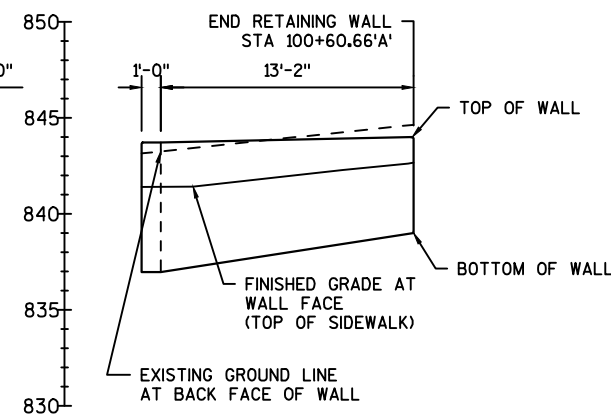
SECTION VIEW A-A



PLAN
(CORNER OF LOUISA ST. & KEEP ST.)



ELEVATION
(LOOKING NORTH AT FRONT FACE OF WALL)
(DISTANCES AND STATIONS ARE GIVEN ALONG BACK FACE OF WALL)



ELEVATION
(LOOKING WEST AT FRONT FACE OF WALL)
(DISTANCES AND STATIONS ARE GIVEN ALONG BACK FACE OF WALL)

DESIGN DATA

LIVE LOAD:
LIVE LOAD SURCHARGE: 100 P.S.F.

MATERIAL PROPERTIES:

CONCRETE MASONRY $f'_c = 4,000$ P.S.I.
BAR STEEL REINFORCEMENT (GRADE 60)
 $f_y = 60,000$ P.S.I.

GENERAL NOTES:

DRAWINGS SHALL NOT BE SCALED.

BEVELED EXPOSED EDGES OF CONCRETE IS $\frac{3}{4}$ -INCH, UNLESS OTHERWISE NOTED.

ALL DIMENSIONS ARE IN FEET AND INCHES, UNLESS OTHERWISE NOTED.

ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING THEIR OWN DETERMINATIONS AS TO TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE.

ALL REINFORCEMENT SHALL HAVE A MINIMUM OF 2-INCHES CLEAR COVER UNLESS SHOWN OTHERWISE. REINFORCEMENT IN FACES CAST PERMANENTLY AGAINST EARTH SHALL HAVE A MINIMUM OF 3-INCHES CLEAR COVER.

6" DRAINAGE PIPE HAS A MINIMUM SLOPE OF 0.5%.

BACK FACE OF WALL FOLLOWS STH 81 CURB ALIGNMENT, 14'-0" TYPICAL OFFSET.

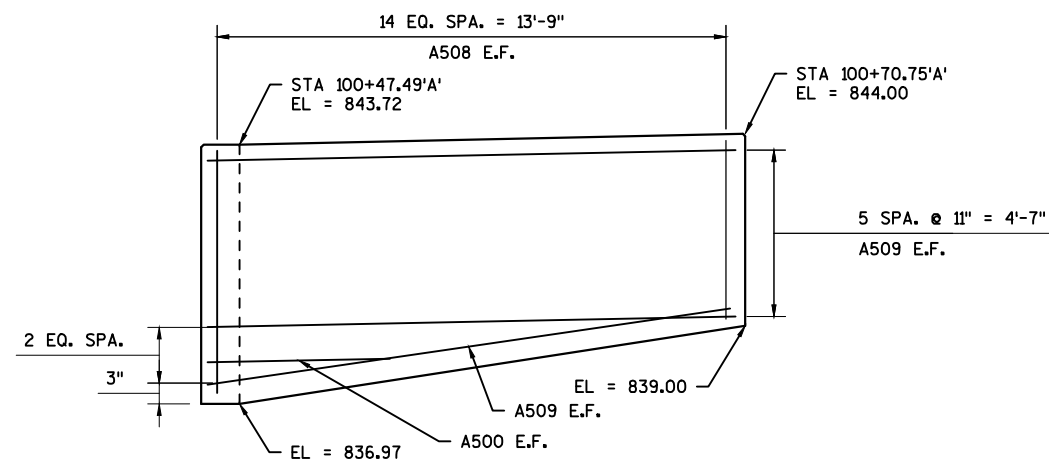
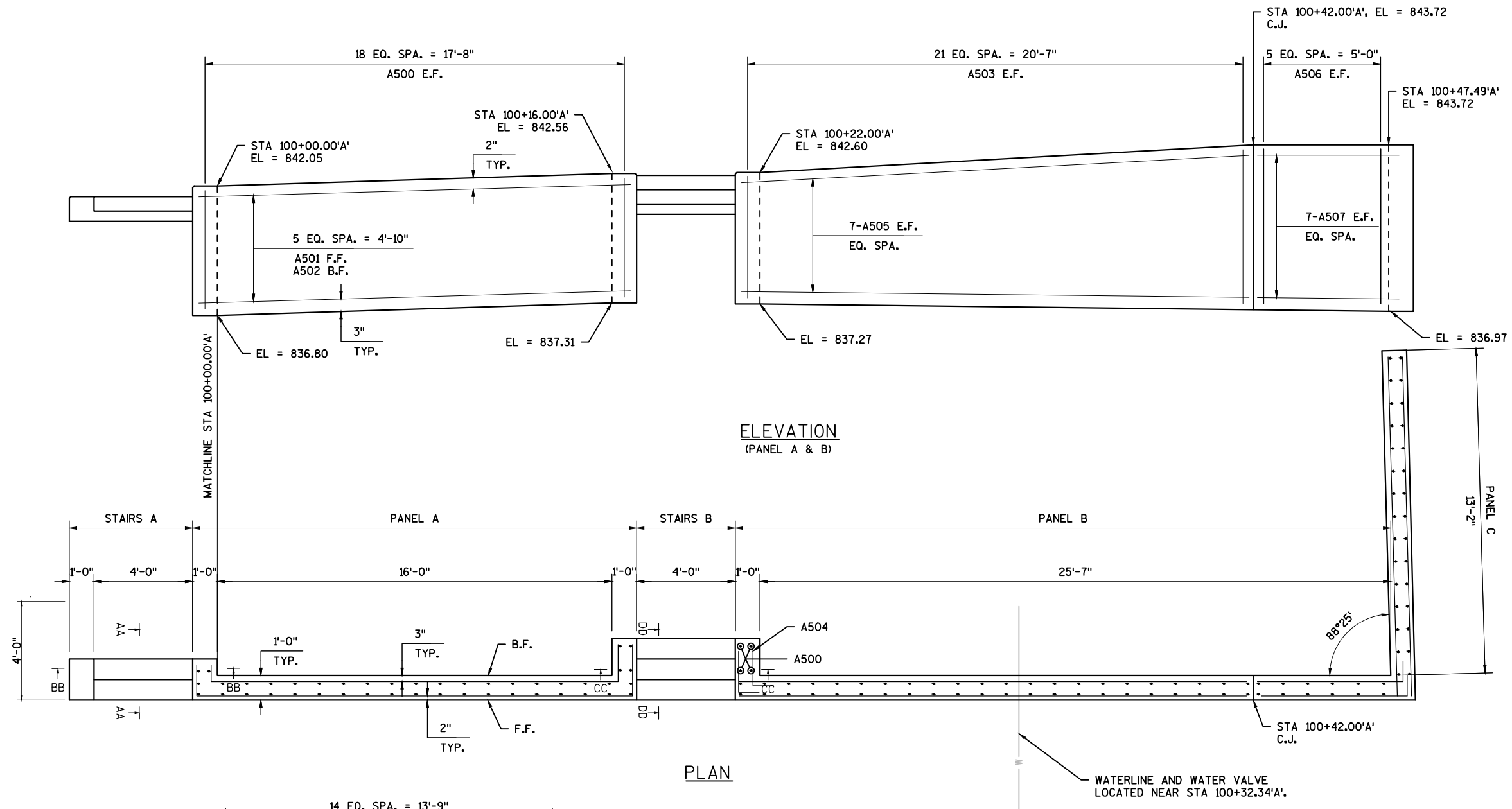
BACKFILL THE FACES OF THE WALL EQUALLY.

CONNECT THE UNDERDRAIN PIPE BENEATH THE SHEAR WALLS TO THE UNDERDRAIN PIPE BENEATH THE WALL ALONG STH 81.

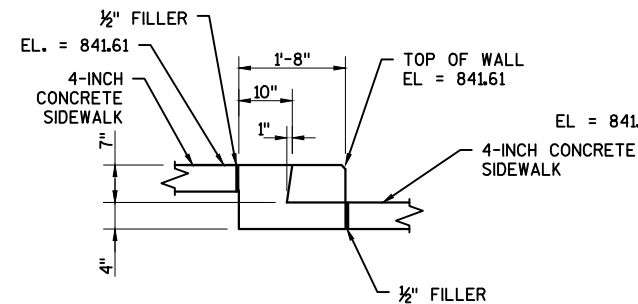
CONNECTION FROM UNPERFORATED PIPE TO INLET IS INCIDENTAL TO PIPE UNDERDRAIN.

LEGEND

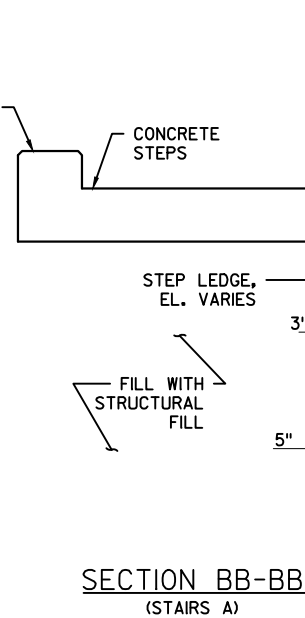
C.J. = CONTRACTION JOINT
INV. EL. = INVERT ELEVATION
C.I.P. = CAST IN PLACE



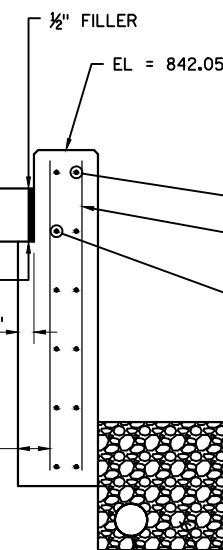
LEGEND
 E.F. = EACH FACE
 B.F. = BACK FACE
 F.F. = FRONT FACE
 C.J. = CONTRACTION JOINT



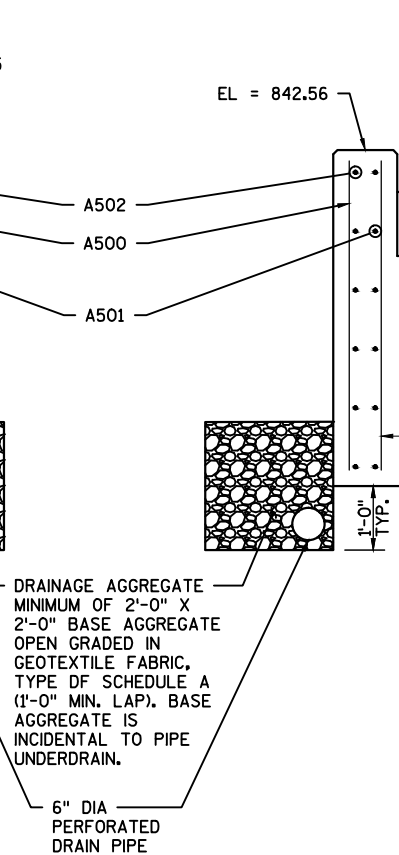
SECTION AA-AA
(STAIRS A)



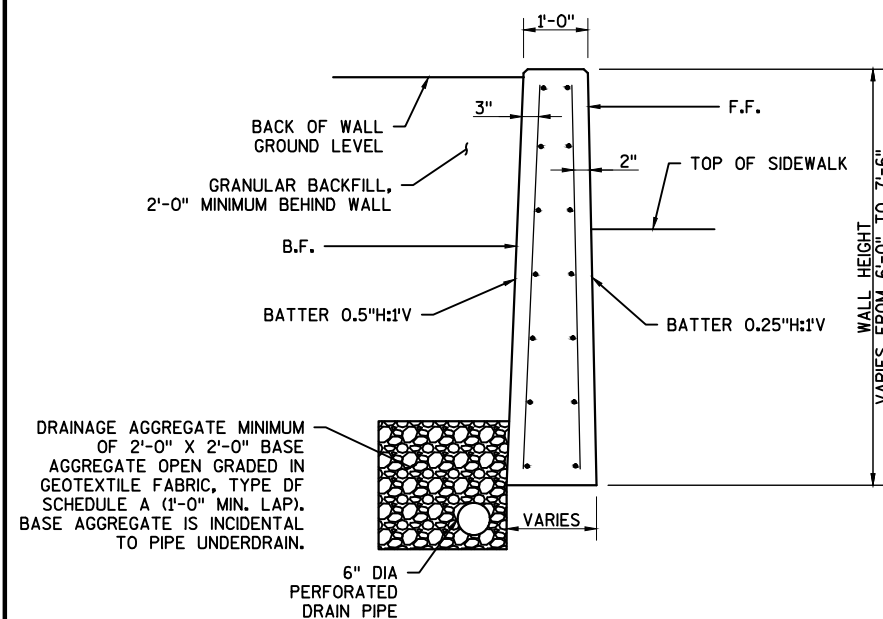
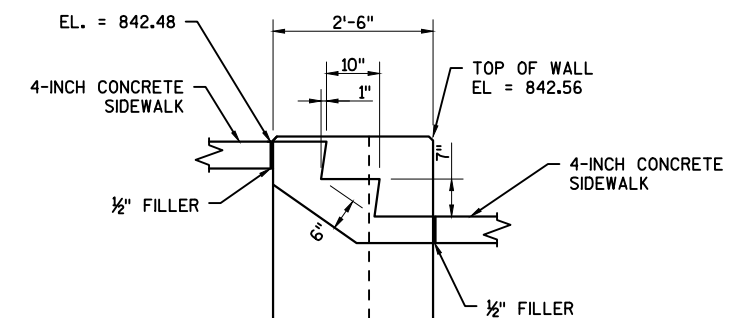
SECTION BB-BB
(STAIRS A)



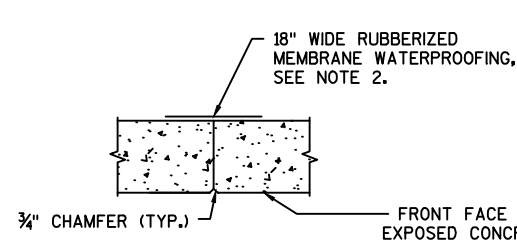
SECTION CC-CC
(STAIRS B)



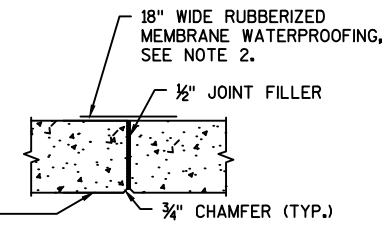
SECTION DD-DD
(STAIRS B)



TYPICAL SECTION
CAST IN PLACE CONCRETE WALL



C.I.P. WALL CONTRACTION
JOINT DETAIL



C.I.P. WALL EXPANSION
JOINT DETAIL

NOTES

PLACE 2-FT STRUCTURAL BACKFILL BELOW BOTTOM OF STEPS.

RUBBERIZED MEMBRANE WATERPROOFING RUN

BILL OF BARS

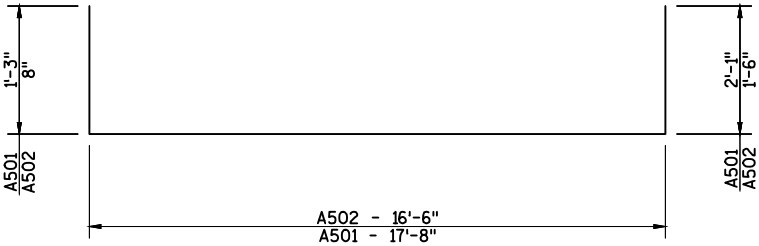
BAR MARK	COAT	NO. REQ'D	LENGTH	BENT	BAR SERIES	LOCATION
A500	X	50	4'-10"			PAN. A & B VERT., PAN. C HORI.
A501	X	6	20'-9"	X		PANEL A HORIZONTAL
A502	X	6	18'-4"	X		PANEL A HORIZONTAL
A503	X	42	5'-7"		▲	PANEL B VERTICAL
A504	X	10	2'-5"	X		PANEL B HORIZONTAL
A505	X	14	20'-7"			PANEL B HORIZONTAL
A506	X	12	6'-4"			PANEL B VERTICAL
A507	X	14	6'-6"	X		PANEL B HORIZONTAL
A508	X	30	5'-6"		▲	PANEL C VERTICAL
A509	X	14	13'-9"			PANEL C HORIZONTAL

▲ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

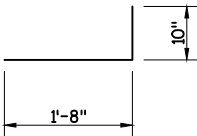
NOTE: THE FIRST DIGIT OF A BAR MARK SIGNIFIES THE BAR SIZE. DIMENSIONS FOR BENDING ARE OUT TO OUT OF BAR.

SERIES OF BARS

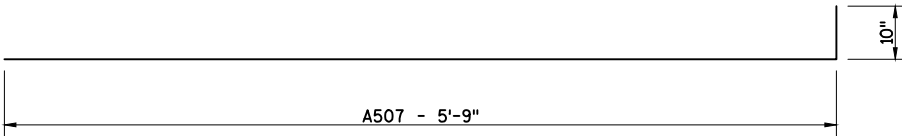
BAR MARK	NO. REQ'D	LENGTH
A503	2 SERIES OF 21	4'-11" TO 6'-3"
A508	2 SERIES OF 15	4'-8" TO 6'-4"



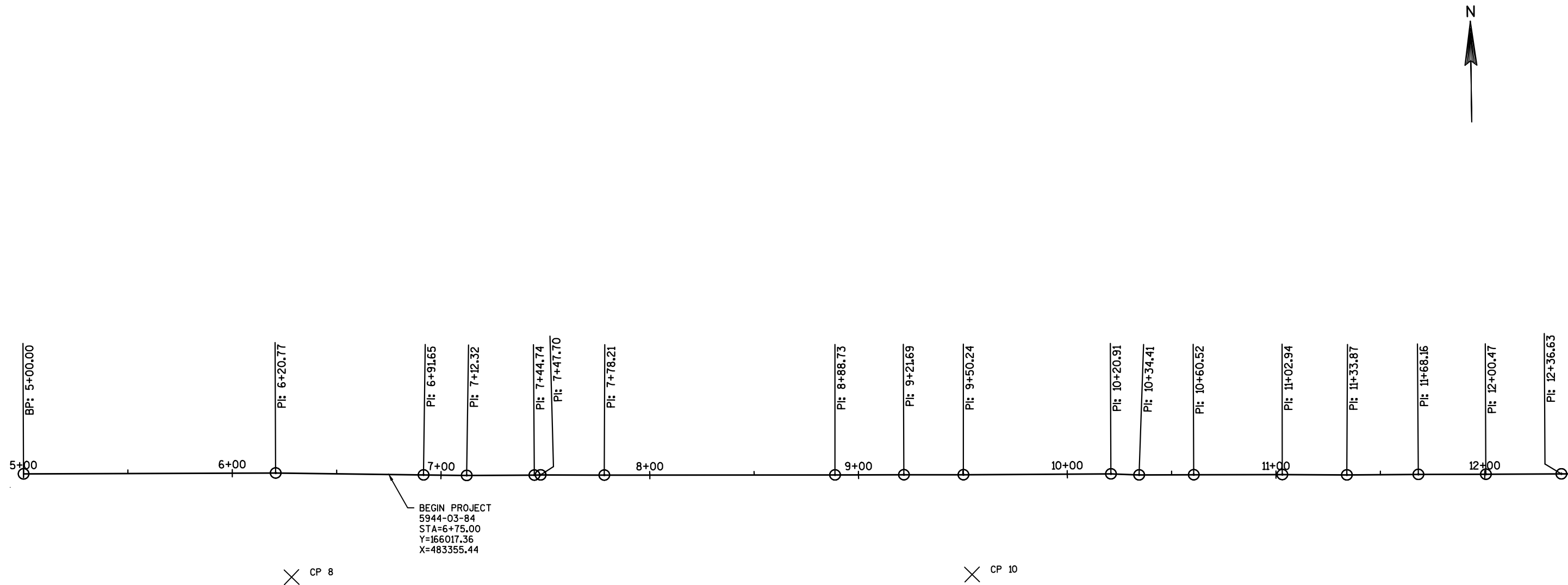
A501 & A502



A504



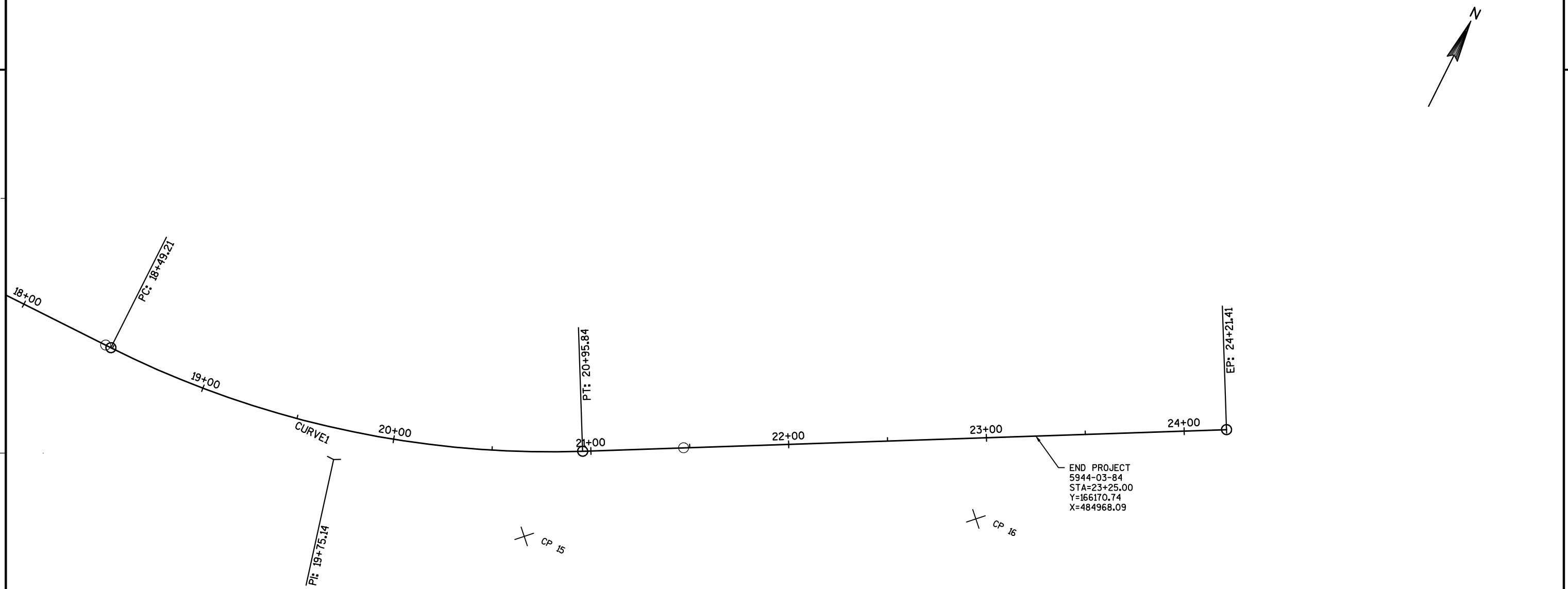
A507



PI STA	DISTANCE	DIRECTION
5+00.00		
	120.775'	S89° 22' 15.93"E
6+20.77		
	70.871'	S88° 23' 45.24"E
6+91.65		
	20.674'	S88° 22' 29.58"E
7+12.32		
	32.416'	S89° 33' 52.14"E
7+44.74		
	2.964'	N89° 17' 19.13"E
7+47.70		
	30.513'	S88° 55' 41.25"E
7+78.21		
	110.521'	S89° 11' 32.97"E
8+88.73		

PI STA	DISTANCE	DIRECTION
8+88.73		
	32.952'	S89° 23' 25.38"E
9+21.69		
	28.557'	S89° 12' 06.59"E
9+50.24		
	70.663'	S89° 26' 37.23"E
10+20.91		
	13.505'	S87° 10' 14.63"E
10+34.41		
	26.114'	S89° 22' 20.16"E
10+60.52		
	42.417'	S89° 12' 06.47"E
11+02.94		
	30.931'	S88° 52' 03.31"E
11+33.87		

PI STA	DISTANCE	DIRECTION
11+33.87		
	34.288'	S89° 34' 06.76"E
11+68.16		
	32.309'	S89° 21' 24.42"E
12+00.47		
	36.156'	S89° 25' 06.30"E
12+36.63		



PI STA	DISTANCE	DIRECTION
17+28.90		
	246.247'	S89° 44' 56.80"E
19+75.14		
	451.500'	N61° 41' 36.18"E
24+21.41		

DATE 29AUG14			E S T I M A T E O F Q U A N T I T I E S		
LINE			5944-03-84		
NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	QUANTITY
0860	SPV.0060	SPECIAL 03. WATER MAIN, WATER SERVICE RELOCATION	EACH	9.000	9.000
0870	SPV.0090	SPECIAL 01. FOUNDATION DRILLING 24-INCH DIAMETER	LF	1,094.000	1,094.000
0880	SPV.0090	SPECIAL 02. RAILING PIPE GALVANIZED	LF	280.000	280.000
0890	SPV.0105	SPECIAL 01. RAILING STEEL TYPE C2 GALVANIZED PEDESTRIAN R-33-004	LS	1.000	1.000
0900	SPV.0105	SPECIAL 02. RAILING STEEL TYPE C2 GALVANIZED PEDESTRIAN R-33-005	LS	1.000	1.000
0910	SPV.0105	SPECIAL 03. RAILING STEEL TYPE C2 GALVANIZED PEDESTRIAN R-33-006	LS	1.000	1.000
0920	SPV.0110	SPECIAL 01. TIMBER LAGGING	MBM	19.980	19.980
0930	SPV.0165	SPECIAL 01. GEOCOMPOSITE DRAIN BOARD	SF	7,254.000	7,254.000

