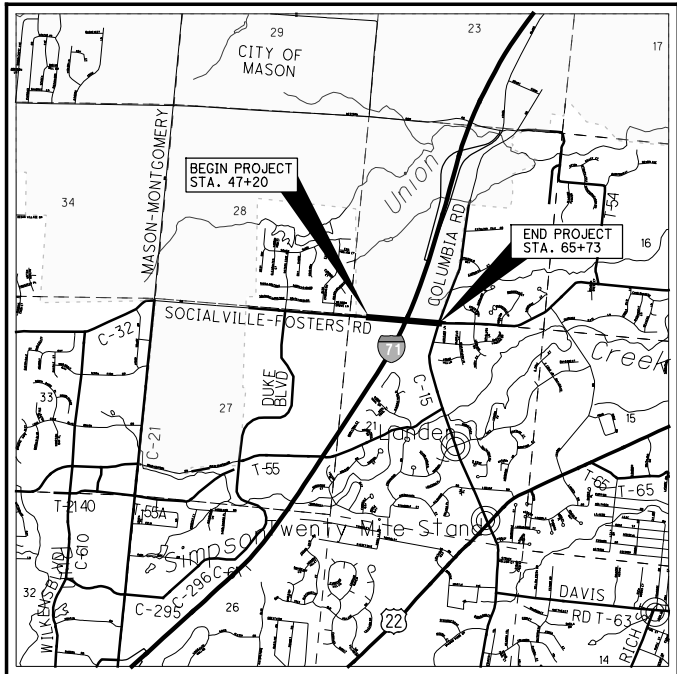


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LOCATION MAP

LATITUDE: 39°19'17" LONGITUDE: 84°17'18"



PORTION TO BE IMPROVED	-----
INTERSTATE HIGHWAY	-----
FEDERAL ROUTES	-----
STATE ROUTES	-----
COUNTY & TOWNSHIP ROADS	-----
OTHER ROADS	-----

DESIGN DESIGNATION

CURRENT ADT (2016)	-----	11032
DESIGN YEAR ADT (2036)	-----	18080
DESIGN HOURLY VOLUME (2036)	-----	1808
DIRECTIONAL DISTRIBUTION	-----	61 %
TRUCKS (24 HOUR B&C)	-----	5 %
DESIGN SPEED	-----	45 MPH
LEGAL SPEED	-----	45 MPH
DESIGN FUNCTIONAL CLASSIFICATION	-----	URBAN MAJOR COLLECTOR
NHS PROJECT	-----	NO

DESIGN EXCEPTIONS

NONE REQUIRED

UNDERGROUND UTILITIES

CONTACT BOTH SERVICES
CALL TWO WORKING DAYS
BEFORE YOU DIG

CALL
1-800-362-2764
(TOLL FREE)

OHIO UTILITIES PROTECTION SERVICE
NON-MEMBERS
MUST BE CALLED DIRECTLY

OIL & GAS PRODUCERS UNDERGROUND
PROTECTION SERVICE CALL: **1-800-925-0988**

PLAN PREPARED BY:

CT Consultants
engineers | architects | planners
7965 N. High Street, Suite 340, Columbus, Ohio 43235
614.885.1700 www.ctconsultants.com

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION
WAR-71-2.54
SOCIALVILLE-FOSTERS ROAD
WARREN COUNTY, OHIO

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ENGINEERS SEAL:
FOR ROADWAY

SIGNED: _____
DATE: _____

ENGINEERS SEAL:
FOR STRUCTURES OVER 20'

SIGNED: _____
DATE: _____

ODOT STANDARD CONSTRUCTION DRAWINGS										WARREN CO. SCD'S		ODOT SUPPLEMENTAL SPECIFICATIONS	
BP-3.1	7-18-14	CB-1.1	1-18-13	RM-3.1	7-19-13	HL-50.11	1-16-15	TC-82.10	7-17-15	S-9	6-1-12	800	10-16-15
BP-4.1	7-19-13	CB-1.2	1-18-13	RM-4.3M	10-21-97	HL-60.11	1-17-14	TC-83.20	7-17-15				
BP-5.1	7-19-13	CB-2.1	1-18-13	RM-4.4	7-18-14			TC-84.20	10-18-13	S-17	3-1-08	821	4-20-12
BP-7.1	7-18-14	CB-2.2	1-17-14	RM-4.5	7-18-14			TC-84.21	10-18-13	S-21	6-1-12	832	1-17-14
		CB-2.3	1-18-13					TC-85.21	1-16-15				
F-2.1	7-19-13	CB-3.2	1-18-13	LA-1.1	10-15-10			TC-85.22	1-16-15			840	7-17-15
F-3.1	7-19-13									W-2	6-1-12		
		HW-2.2	7-17-15	HL-10.11	1-17-14					W-3	6-1-12		
F-3.4	7-19-13			HL-10.12	1-17-14					W-8	6-1-12		
		MH-1.2	1-18-13	HL-10.13	7-17-15	TC-41.20	10-18-13	MT-95.30	7-18-14	W-9	6-1-12		
MGS-1.1	7-19-13			HL-20.11	1-16-15	TC-41.30	10-18-13	MT-97.10	7-18-14				
MGS-2.1	7-19-13	DM-1.1	1-18-13	HL-30.11	1-16-15	TC-42.20	10-18-13	MT-99.20	7-19-13				
MGS-3.1	7-18-14	DM-1.2	1-18-13	HL-30.21	1-17-14	TC-52.10	10-18-13	MT-101.60	7-19-13	W-18	3-1-08		
MGS-4.2	7-19-13					TC-52.20	7-18-14	MT-101.70	1-17-14				
		DM-4.3	7-19-13	HL-40.10	1-17-14	TC-71.10	1-17-14	MT-101.90	7-17-15				
		DM-4.4	7-20-12	HL-40.20	1-16-15	TC-81.10	10-18-13	MT-105.10	7-19-13				

PROJECT DESCRIPTION

THIS PROJECT ENTAILS THE REPLACEMENT OF THE SOCIALVILLE-FOSTERS ROAD BRIDGE OVER I-71, THE WIDENING OF SOCIALVILLE-FOSTERS ROAD TO 5 LANES, THE ADDITION OF A TWO-LANE ROUNDABOUT AT INNOVATION WAY AND TRAFFIC SIGNAL IMPROVEMENTS AT COLUMBIA ROAD.

PROJECT EARTH DISTURBED AREA: 6.70 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA: 0.25 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA: 6.95 ACRES

2013 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEARBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL REQUIRE THE CLOSING OF TRAFFIC OF SOCIALVILLE-FOSTERS ROAD AND THAT DETOURS WILL BE PROVIDED AS INDICATED ON SHEET 15.

APPROVED _____
DATE _____ WARREN COUNTY ENGINEER

APPROVED _____
DATE _____ DISTRICT DEPUTY DIRECTOR

APPROVED _____
DATE _____ DIRECTOR, DEPARTMENT OF TRANSPORTATION

FEDERAL PROJECT NO.

PID NO.

CONSTRUCTION PROJECT NO.

RAILROAD INVOLVEMENT

NONE

WAR-71-2.54

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1	ITEM 442 - 1½" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A, (448), PG70-22M	15	ITEM 606 - GUARDRAIL, TYPE MGS
2	ITEM 448 - 1½" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, PG64-22	16	NOT USED
3	ITEM 301 - 9" ASPHALT CONCRETE BASE, PG64-22	17	ITEM 407 - TACK COAT FOR INTERMEDIATE COURSE (@ 0.10 GAL./S.Y.)
4	ITEM 304 - 6" AGGREGATE BASE	18	ITEM 609- CURB MISC.: 4" MOUNTABLE CONCRETE CURB
5	ITEM 204 - SUBGRADE COMPACTION	19	NOT USED
6	ITEM 608 - 4" CONCRETE WALK	20	ITEM 609 - 6" CONCRETE TRAFFIC ISLAND
7	ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2	21	ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446)
8	ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS	22	ITEM 407 - TACK COAT FOR INTERMEDIATE COURSE (0.04 GAL./SY.)
9	ITEM 659 - SEEDING AND MULCHING	23	ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446)
10	ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC1	24	ITEM 301 - 4" ASPHALT CONCRETE BASE, PG64-22
11	ITEM 301 - 3" ASPHALT CONCRETE BASE, PG64-22	25	ITEM 302 - 8" ASPHALT CONCRETE BASE, PG64-22
12	ITEM 609 - CURB TYPE 6	26	ITEM 304 - 9" AGGREGATE BASE
13	ITEM 304 - 4" AGGREGATE BASE	27	ITEM 203 - SUBGRADE COMPACTION
14	ITEM 526 - REINFORCED CONCRETE APPROACH SLAB (T=17")		

WAR-71-2.54

CALCULATED	EJT
CHECKED	REN



NOTES:
FOR EXISTING TYPICAL SECTION LEGEND SEE SHEET 4.
FOR PROPOSED TYPICAL SECTION LEGEND SEE SHEET 5.
FOR I-71 PIER DETAILS, SEE SHEET 53.
FOR MSE WALL DETAILS, SEE SHEETS 68-70.

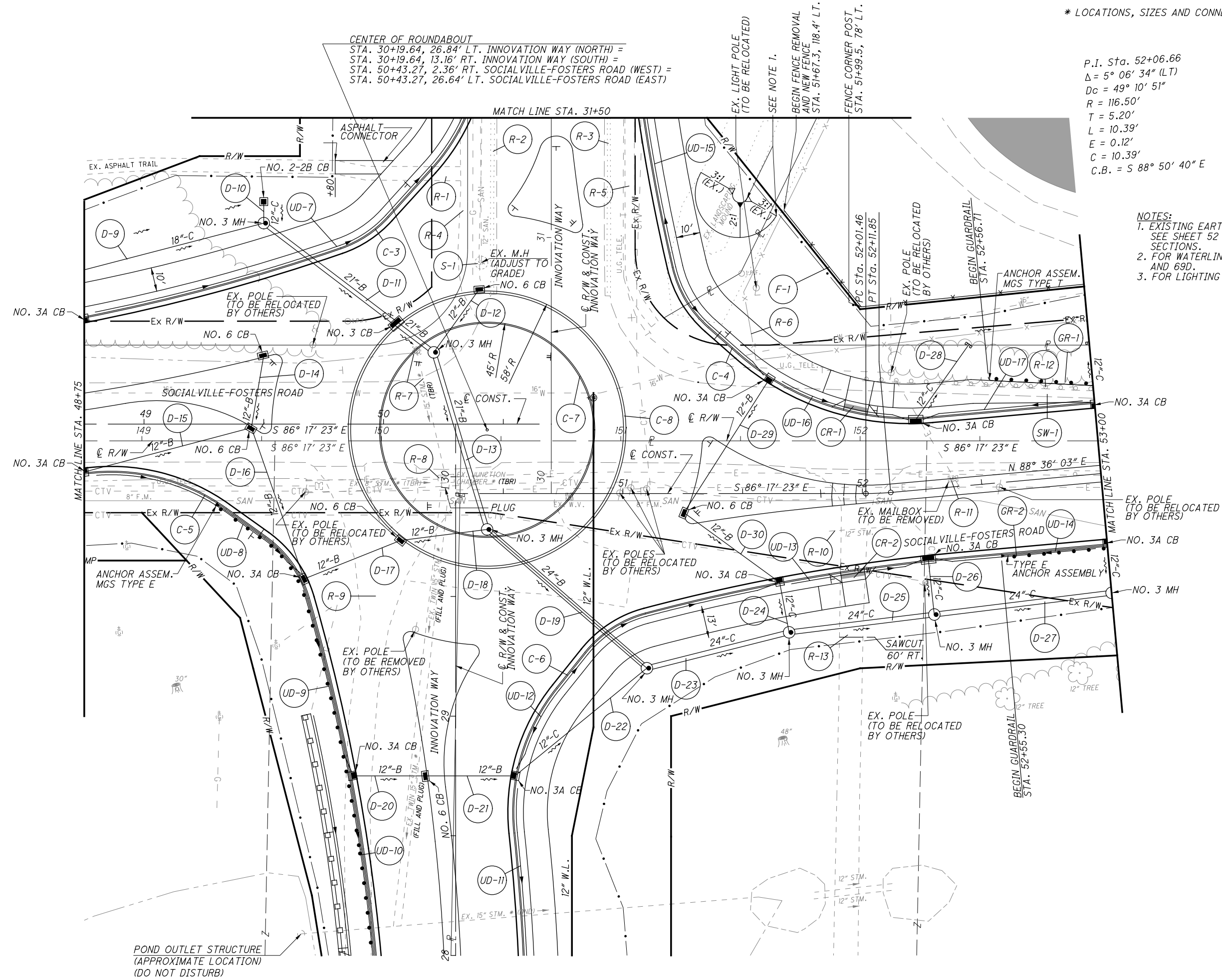
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SHEET NUMBER													ALT.	ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.	CALCULATED	EJT	CHECKED	REN
11	21	22			69	69F	74	75					(X)										
						190								202	35100	190	FT	WATER WORK					
	1													202	75610	1	EACH	PIPE REMOVED, UNDER 24" (WATER MAIN)					
																		VALVE BOX REMOVED					
	18													638	00700	18	FT						
						350								638	02500	350	FT	6" WATER MAIN DUCTILE IRON PIPE, ANSI CLASS 52, MECHANICAL JOINTS AND FITTINGS					
						112								638	03100	112	FT	12" WATER MAIN DUCTILE IRON PIPE, ANSI CLASS 52, MECHANICAL JOINTS AND FITTINGS					
	2													638	07480	2	EACH	16" WATER MAIN DUCTILE IRON PIPE, ANSI CLASS 52, MECHANICAL JOINTS AND FITTINGS					
	1													638	09890	1	EACH	6" GATE VALVE					
						1								638	09908	1	EACH	16"X6" TAPPING SLEEVE, VALVE AND VALVE BOX					
	2													638	10200	2	EACH	16"X12" TAPPING SLEEVE, VALVE AND VALVE BOX					
	2													638	10480	2	EACH	6" FIRE HYDRANT					
10	5													638	10800	15	EACH	FIRE HYDRANT REMOVED					
	1													638	65700	1	EACH	VALVE BOX ADJUSTED TO GRADE					
						1								638	98000	1	EACH	SPECIAL - CUT AND PLUG 6" WATER LINE (COL.808)					
																		WATER WORK MISC.: CAP AND PLUG 12" WATER MAIN	69D				
						120								202	35100	120	FT	SANITARY					
						LS								503	11101	LS		PIPE REMOVED, UNDER 24" (SANITARY)					
						126								611	01908	126	FT	COFFERDAMS AND EXCAVATION BRACING, AS PER PLAN	69C				
		1												611	99654	1	EACH	8" CONDUIT, TYPE B, DUCTILE IRON PIPE, ANSI CLASS 53, MECHANICAL JOINTS AND FITTINGS					
	1						1							611	99661	2	EACH	MANHOLE ADJUSTED TO GRADE					
																		MANHOLE RECONSTRUCTED TO GRADE, AS PER PLAN	49, 69C				
						39								638	22850	39	FT						
																		SPECIAL - 18" STEEL CASING PIPE					
																		TRAFFIC CONTROL					
							12							620	60000	12	EACH	REBOUNDABLE TUBULAR PYLON, AS PER PLAN	10				
								26						626	00100	26	EACH						
																		BARRIER REFLECTOR					
							514							630	03100	514	FT						
							60							630	04100	60	FT	GROUND MOUNTED SUPPORT, NO. 3 POST					
							104							630	06100	104	FT	GROUND MOUNTED SUPPORT, NO. 4 POST					
							50							630	08600	50	EACH	GROUND MOUNTED SUPPORT, NO. 6 POST					
							353							630	80100	353	SF	SIGN POST REFLECTOR					
																		SIGN, FLAT SHEET					
							7							630	84900	7	EACH						
							8							630	85100	8	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL					
							13							630	86002	13	EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION					
							8							630	87400	8	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL					
																		REMOVAL OF OVERHEAD MOUNTED SIGN AND DISPOSAL					
							0.41							644	00100	0.41	MILE						
							0.29							644	00200	0.29	MILE	EDGE LINE, 4"					
							0.45							644	00300	0.45	MILE	LANE LINE, 4"					
							2019							644	00400	2019	FT	CENTER LINE					
							97							644	00500	97	FT	CHANNELIZING LINE, 8"					
																		STOP LINE					
							360							644	00600	360	FT						
							1716							644	00700	1716	FT	CROSSWALK LINE					
							57							644	00900	57	SF	TRANSVERSE/DIAGONAL LINE					
							22							644	01300	22	EACH	ISLAND MARKING					
							9							644	01400	9	EACH	LANE ARROW					
																		WORD ON PAVEMENT, 72"					
							209							644	01514	209	FT						
							66							644	20800	66	FT	DOTTED LINE, 8"					
																		YIELD LINE					
							0.110							646	10100	0.110	MILE						
							0.110							646	10200	0.110	MILE	LANE LINE, 4"					
																		CENTER LINE					
																		TRAFFIC SIGNALS					
																		FOR TRAFFIC SIGNAL QUANTITIES. SEE SHEET 81					
																		LIGHTING					
																		FOR LIGHTING QUANTITIES. SEE SHEET 87B					
																		RETAINING WALL					
						LS								610	60000	LS		SPECIAL - RETAINING WALL, MISC.: CONCRETE BLOCK RETAINING WALL	68,69				
																		STRUCTURES					
																		FOR STRUCTURES QUANTITIES. SEE SHEET 95					

GENERAL SUMMARY

WAR-71-2.54

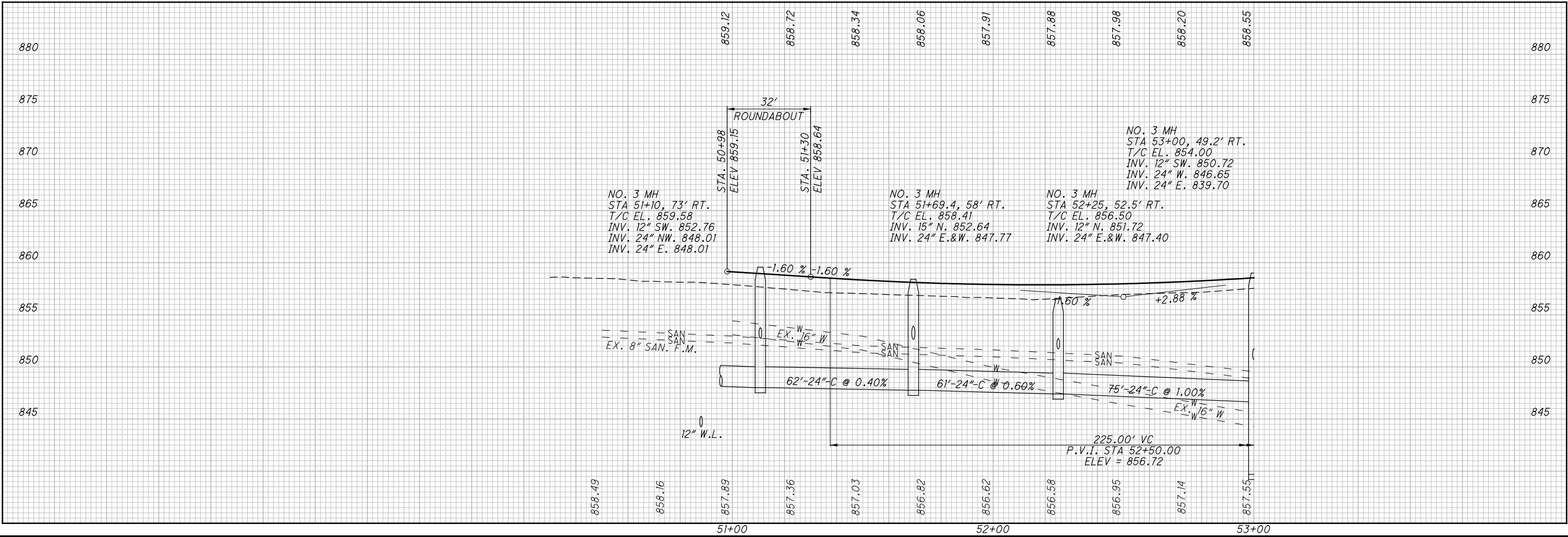
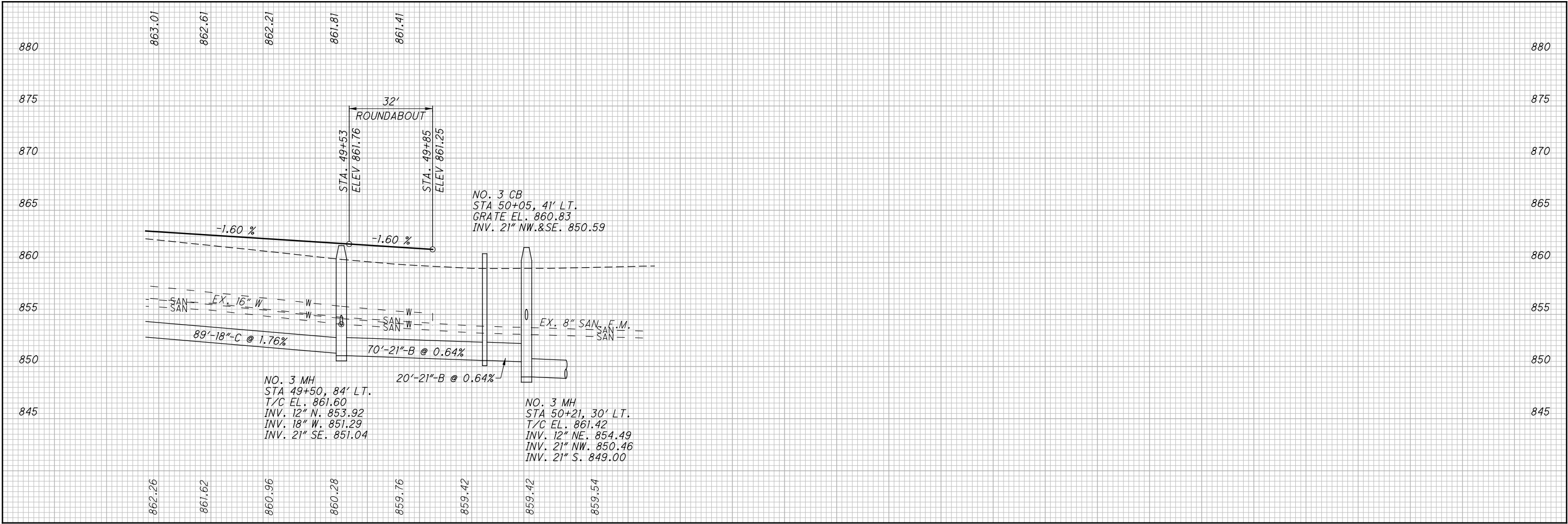


* LOCATIONS, SIZES AND CONNECTIONS COULD NOT BE VERIFIED

P.I. Sta. 52+06.66
 $\Delta = 5^\circ 06' 34''$ (LT)
 $D_c = 49^\circ 10' 51''$
 $R = 116.50'$
 $T = 5.20'$
 $L = 10.39'$
 $E = 0.12'$
 $C = 10.39'$
 $C.B. = S 88^\circ 50' 40'' E$

- NOTES:
1. EXISTING EARTH MOUND TO BE REGRADED. SEE SHEET 52 AND 53 FOR CROSS SECTIONS.
 2. FOR WATERLINE DETAILS, SEE SHEETS 69B AND 69D.
 3. FOR LIGHTING PLANS, SEE SHEET 87A.

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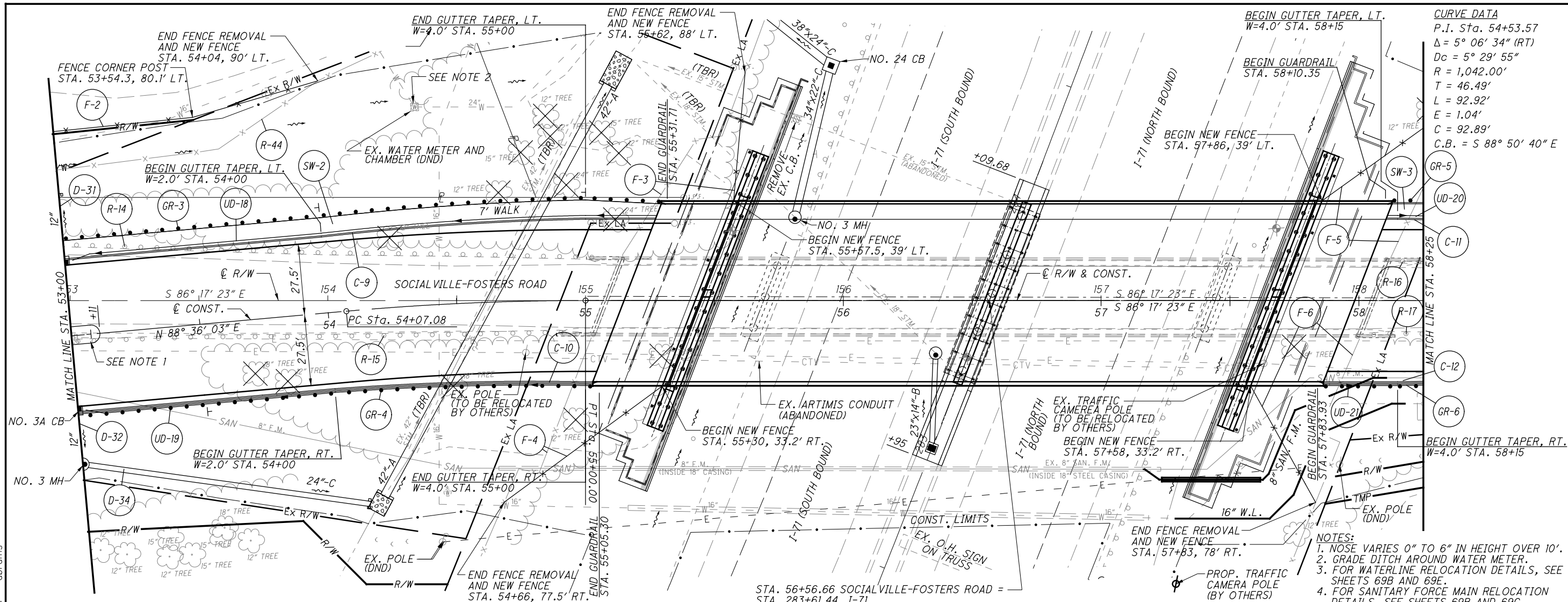


PROFILE - SOCIALVILLE-FOSTERS RD.
STA. 48+75 TO STA. 53+00

WAR-71-2.54

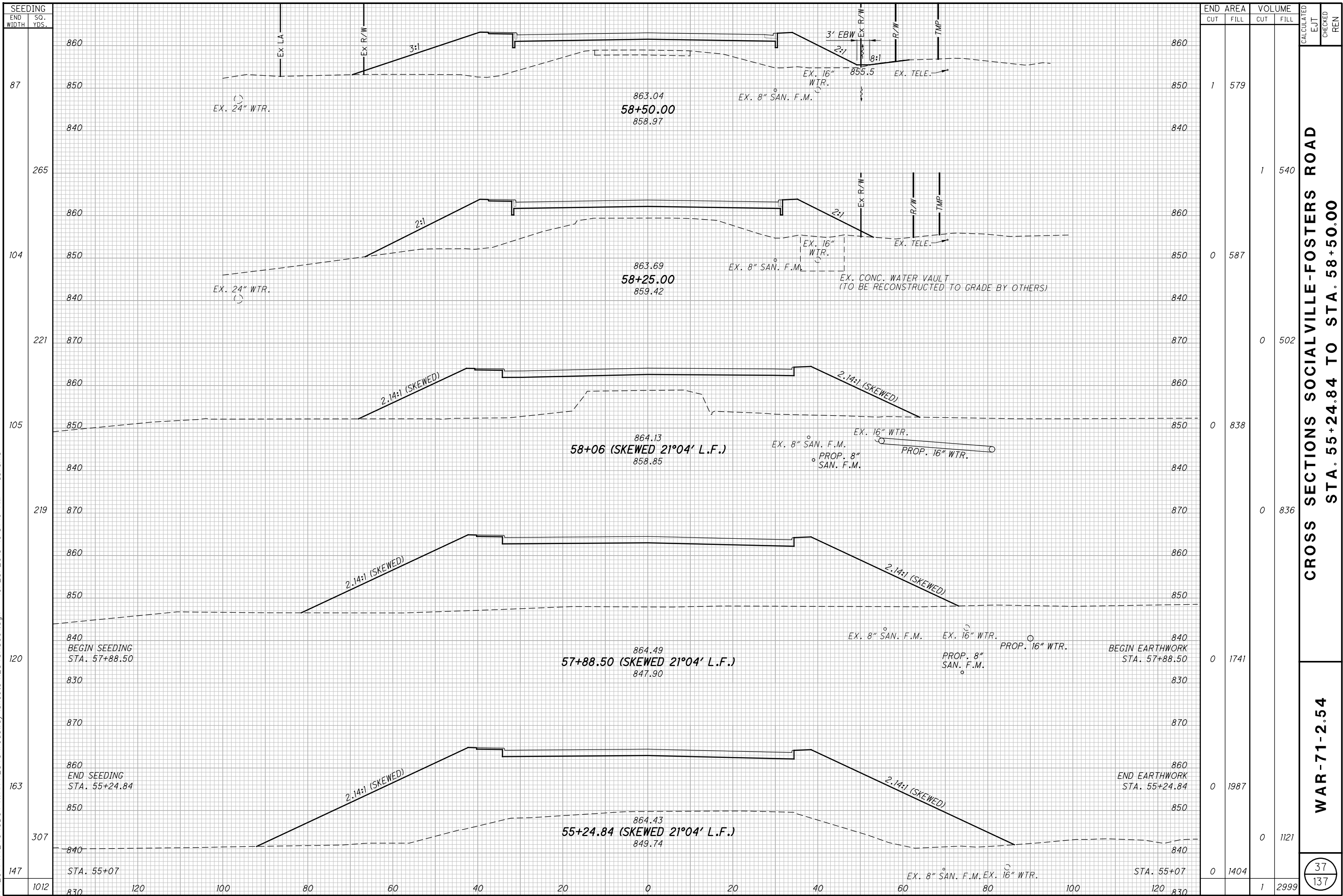
28
137

CALCULATED
EJT
CHECKED
REN

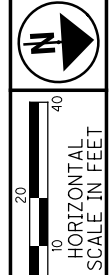




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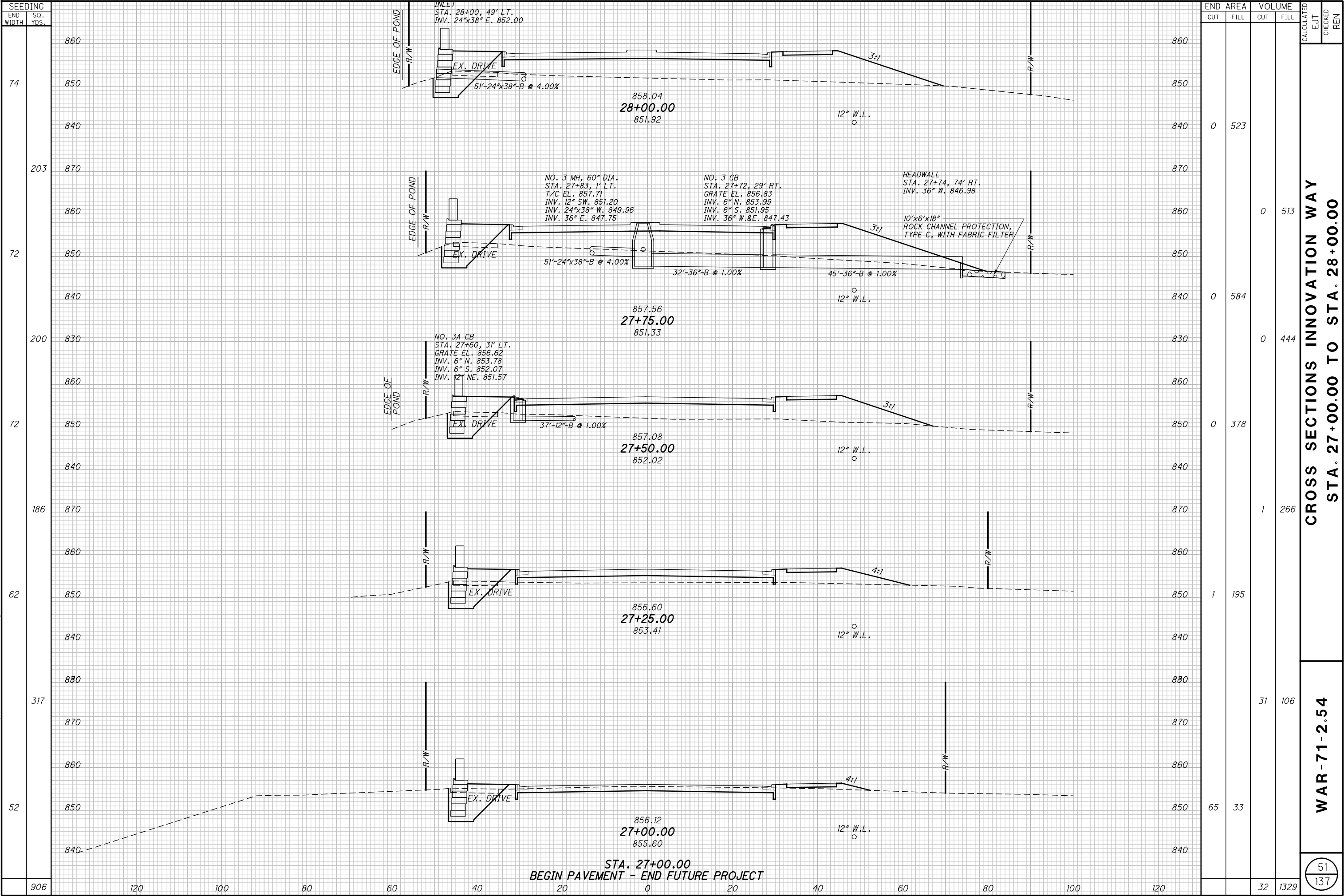
1. FOR RETAINING WALL DETAILS, SEE SHEETS 68-69.
2. EXISTING EARTH MOUND TO BE REGRADED. SEE SHEET 52 FOR CROSS SECTION.
3. FOR WATERLINE DETAILS, SEE SHEETS 69B AND 69D.



WAR-71-2.54

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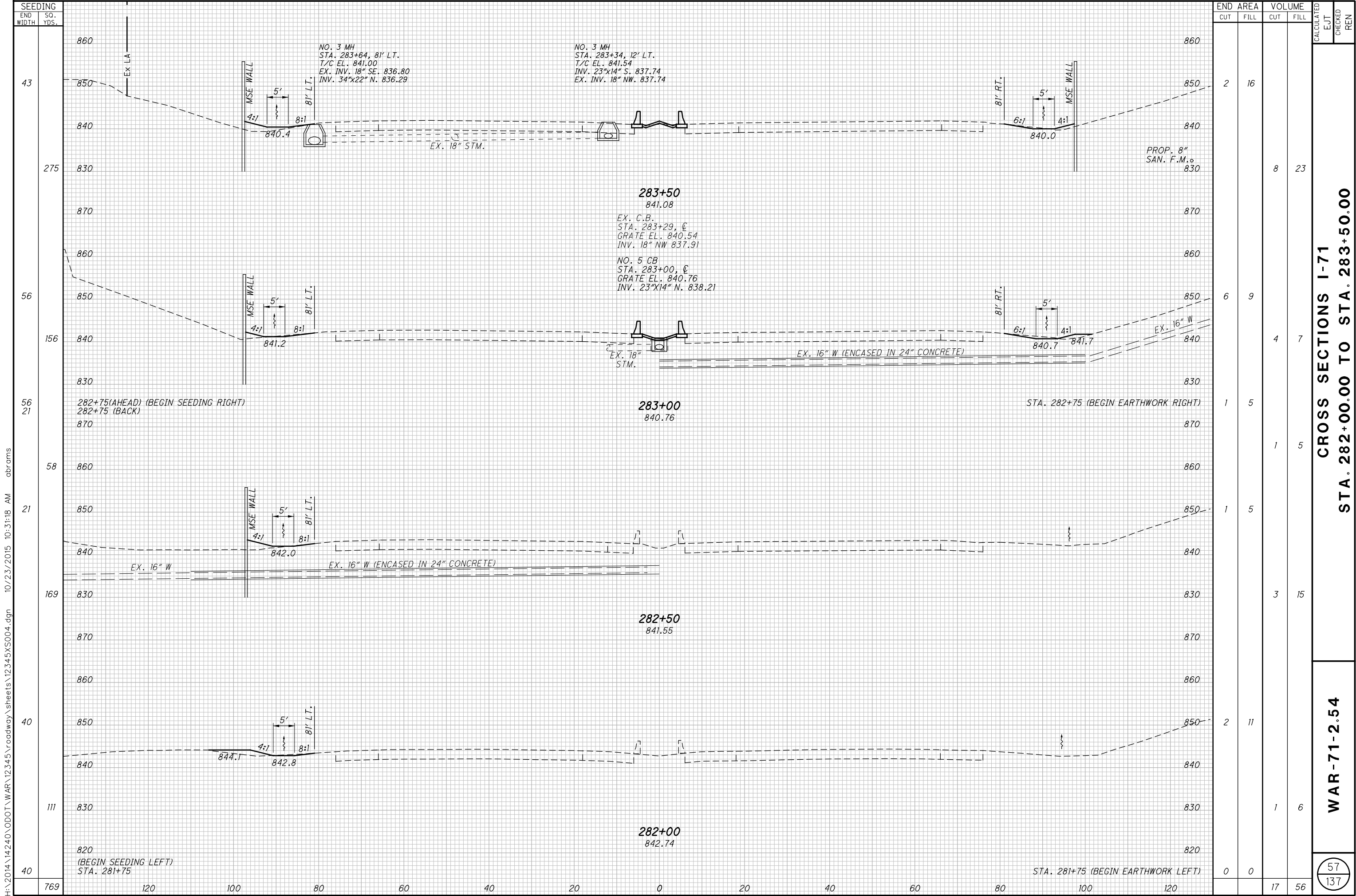
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CALCULATED EJT	 HORIZONTAL SCALE IN FEET	
CHECKED REN		

WAR-71-2.54

55
137



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GENERAL

1. THE PROPOSED SANITARY FORCE MAIN AND WATER LINES SHALL BE ADJUSTED AS NECESSARY IN THE FIELD FOR "FIT-UP" PURPOSES.
2. ANY CASING PIPE BENEATH THE MSE WALL SHALL EXTEND TEN (10) FEET BEYOND THE MSE WALL.

DETAILED PROCEDURES FOR SANITARY SEWER

STORM WATER AND EXTRANEIOUS FLOWS ARE PROHIBITED FROM ENTERING THE EXISTING SYSTEM DURING CONSTRUCTION. NO OPEN CUT TRENCHES WILL BE ALLOWED TO REMAIN OPEN OVERNIGHT. STORM DRAINS, DIVERSION DITCHES, PUMPS ETC., SHALL BE USED AS REQUIRED TO MAINTAIN THE INTEGRITY OF THE SYSTEM AT ALL TIMES.

ALL SANITARY SEWER PIPE MUST BE BEDDED WITH NUMBER 57 STONE EXTENDING FROM A POINT NOT LESS THAN 6" BELOW THE BOTTOM OF THE PIPE TO THE SPRINGLINE OF THE PIPE. BACKFILL WITH NUMBER 9 GRITS FROM THE SPRINGLINE TO A POINT NOT LESS THAN 12" ABOVE THE CROWN OF THE PIPE. BEDDING SHALL PROVIDE A UNIFORM SUPPORT ALONG THE ENTIRE PIPE BARREL, WITHOUT LOAD CONCENTRATION AT JOINT COLLARS OR BELLS. BEDDING DISTURBED BY PIPE MOVEMENT OR BY REMOVAL OF SHORING OR MOVEMENT OF THE TRENCH SHIELD OR BOX SHALL BE RECONSOLIDATED PRIOR TO BACKFILL.

SEWER

ALL SANITARY PIPE SHALL CONFORM TO ASTM D-2680 FOR ABS/PVC GASKETED COMPOSITE PIPE (TRUSS), ASTM D-3034 FOR SDR 26 GASKETED 4" - 15" DIAMETER OR ASTM F-679 FOR SDR 26 GASKETED 18" - 30" DIAMETER. PIPE LARGER THAN 15" SHALL CONFORM TO ASTM F-949 (A2000) OR ASTM F-1803. CERAMIC COATED CLASS 53 DUCTILE IRON PIPE OR EQUAL MUST BE USED WHERE SPECIFIED BY THE COUNTY SANITARY ENGINEER. JOINTS FOR PVC GRAVITY SEWER PIPE SHALL BE PUSH- ON TYPES WITH RUBBER GASKETS. PIPE ENDS SHALL NOT BE BEVELED. PIPE ENDS MUST BE SEALED.

THE CONTRACTOR MUST EITHER CONSTRUCT BULKHEAD(S) OR INSTALL MECHANICAL PLUGS(S) AT THE POINT(S) OF CONNECTION TO THE EXISTING SEWER PRIOR TO INITIATING ANY CONSTRUCTION. THE BULKHEAD(S) OR MECHANICAL PLUG(S) SHALL REMAIN IN PLACE UNTIL THE NEW MAINS HAVE BEEN FLUSHED, CLEANED, TESTED, TELEVISED AND APPROVED FOR USE BY WARREN COUNTY. THE BULKHEAD(S) OR MECHANICAL PLUG(S) CAN ONLY BE REMOVED IN THE PRESENCE OF A WARREN COUNTY SEWER INSPECTOR.

TRENCH SAFETY IS THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR MUST INSURE THAT ALL APPLICABLE OSHA OPEN TRENCH SAFETY REQUIREMENTS ARE FOLLOWED. IT IS NOT WARREN COUNTY'S RESPONSIBILITY TO INSPECT EACH SITE FOR COMPLIANCE.

ALL MATERIALS USED SHALL BE DOMESTIC, MADE IN THE UNITED STATES OF AMERICA.

WATER

1. ALL WATER MAINS SHALL HAVE A MINIMUM COVER OF 4'-6".
2. ALL WATER MAINS SHALL BE DUCTILE IRON CONFORMING WITH AWWA SPEC. C-151 CLASS 52 IN SIZES 4"-16" AND PSI CLASS 350 FOR 20" AND ABOVE.
3. COMPACT FITTINGS ARE PERMITTED.
4. ALL WATER VALVES MUST OPEN LEFT. ALL VALVE BOX LIDS MUST BE CAST/STAMPED "WCWD" IN 1 1/2" LETTERS AND BE NEENAH NF-19130002 OR EQUAL. ALL VALVE EXTENSIONS TO HAVE SET SCREWS.
5. A CONCRETE SLAB MUST BE PROVIDED AT FINAL GRADE AROUND ALL WATER MAIN VALVE BOXES. THE SLABS MUST BE EIGHTEEN INCHES (18") SQUARE /CIRCLE AND NINE INCHES (9") THICK.
6. WATER AND SEWER LINES SHALL HAVE A MINIMUM OF TEN FEET (10') HORIZONTAL SEPARATION AND/ OR TWO FEET (2') VERTICAL SEPARATION.
7. NO GATE VALVE, METER PIT, BLOW OFF OR CORPORATION STOP SHALL BE LOCATED UNDER OR WITHIN THREE FEET (3') OF DRIVEWAYS, ROADWAYS OR SIDEWALKS.
8. NO DRIVEWAY SHALL BE INSTALLED WITHIN FIVE FEET (5') OF A FIRE HYDRANT.
9. A MINIMUM OF THREE FEET (3') IS REQUIRED BETWEEN CORPORATION STOPS. NO TAP SHALL BE MADE WITHIN THREE (3') OF A BELL.
10. THE LOCATION OF WATER SERVICE LATERALS MUST BE STAMPED IN THE CURB AT THE TIME THE CURB IS PLACED TO PERMANENTLY INDICATE THE LOCATION OF SAID LATERALS.
11. THE LOCATION OF ALL WATER SERVICE LATERALS MUST BE PROVIDED ON THE AS-BUILT PLANS.
12. CONTRACTOR SHALL SUBMIT AS-BUILT PLANS OF SANITARY AND WATER LATERALS TO THE OWNER.
13. ALL WATER MAINS CROSSING UNDER STORM DRAINS SHALL BE BACK-FILLED WITH GRANULAR MATERIAL, O.D.O.T. ITEM 310.02, BETWEEN MAINS AND DRAINS.
20. SWAB PIPE WITH 50 PPM CHLORINE SOLUTION BEFORE INSTALLATION.
21. ALL NEW WATER MAINS SHALL BE PRESSURE TESTED FOR 2 HOURS AT 1.5 TIMES THE OPERATING PRESSURE OR AT 150 PSI, WHICHEVER IS GREATER. ALLOWABLE LEAKAGE SHALL BE PER TABLE 6A OF AWWA C-600.
25. ALL MATERIALS USED SHALL BE DOMESTIC, MADE IN THE UNITED STATES OF AMERICA.

PROCEDURE FOR CONNECTION TO EXISTING WATER SYSTEM

1. THE CONTRACTOR MUST NOTIFY WARREN COUNTY WATER DEPARTMENT THREE (3) DAYS IN ADVANCE OF ANY SHUT DOWN. WARREN COUNTY WILL ISSUE THE SHUT DOWN NOTIFICATION AND/OR BOIL ADVISORY TO AFFECTED CUSTOMERS PER OHIO EPA REQUIREMENTS IF DETERMINED NECESSARY BY WARREN COUNTY.
2. EXPOSE EXISTING MAIN AT PROPOSED CONNECTION POINT. NO WET TAP SHALL BE MADE WITHIN THREE (3) FEET OF A BELL OR PIPE CONNECTION.
3. COUNTY PERSONNEL TO OPERATE CLOSING OF APPROPRIATE VALVES TO ISOLATE LINE TO BE TAPPED.
4. INSTALL PROPER TAPPING SLEEVE AND TAPPING VALVE. THE TAPPING SLEEVE AND VALVE SHALL BE TESTED AT 200 PSI FOR A PERIOD OF AT LEAST 5 MINUTES. THE PIPE SLUG MUST BE REMOVED AND INSPECTED BY COUNTY PERSONNEL.
5. IF THE TAPPING SLEEVE AND VALVE WILL BE UNDER FUTURE PAVEMENT, THE BURIED VALVE MUST BE LEFT OPEN AND A NEW VALVE SET OUT OF PAVEMENT.
6. FIELD CUT EXISTING MAIN AS NECESSARY TO ACCOMMODATE TEE AND CLOSE COUPLED VALVES AT EACH END OF TEE. CARE IS TO BE TAKEN SO AS NOT TO GET DIRT IN EXISTING MAIN.
7. THOROUGHLY CLEAN AND DISINFECT PIPE AND APPURTENANCES TO BE INSTALLED.
8. INSTALL TEE AND VALVES - DRESSER COUPLINGS CAN BE USED IF NECESSARY. PROPOSED MAIN VALVE IS TO BE CAPPED AND SHUT OFF. EXISTING MAIN IS THEN TO BE RETURNED TO SERVICE BY COUNTY PERSONNEL.
9. CONSTRUCTION OF PROPOSED MAIN IS TO BE COMPLETED WITHIN A JOINT OF CONNECTION TO TEE AND VALVES INSTALLED ABOVE.
10. ENTIRE LINE IS TO BE PRESSURE TESTED AND DISINFECTED TO COUNTY STANDARDS.
11. ENTIRE LENGTH OF PIPE IS TO BE THOROUGHLY CLEANED AND DISINFECTED PRIOR TO INSTALLATION. PERMATEX CHLORINE TABLETS TO BE USED FOR DISINFECTION. DOSAGE SHALL BE PER MANUFACTURER'S SPECIFICATIONS BASED ON PIPE MATERIAL.
12. NEW MAIN IS TO BE PUT INTO SERVICE BY COUNTY PERSONNEL.
13. TAPPING SLEEVES/SADDLES TO BE TWO-PIECE CAST IRON. SIZE ON SIZE TAPPING SLEEVES ARE NOT PERMITTED.

UTILITY RELOCATION CONSTRUCTION SEQUENCE

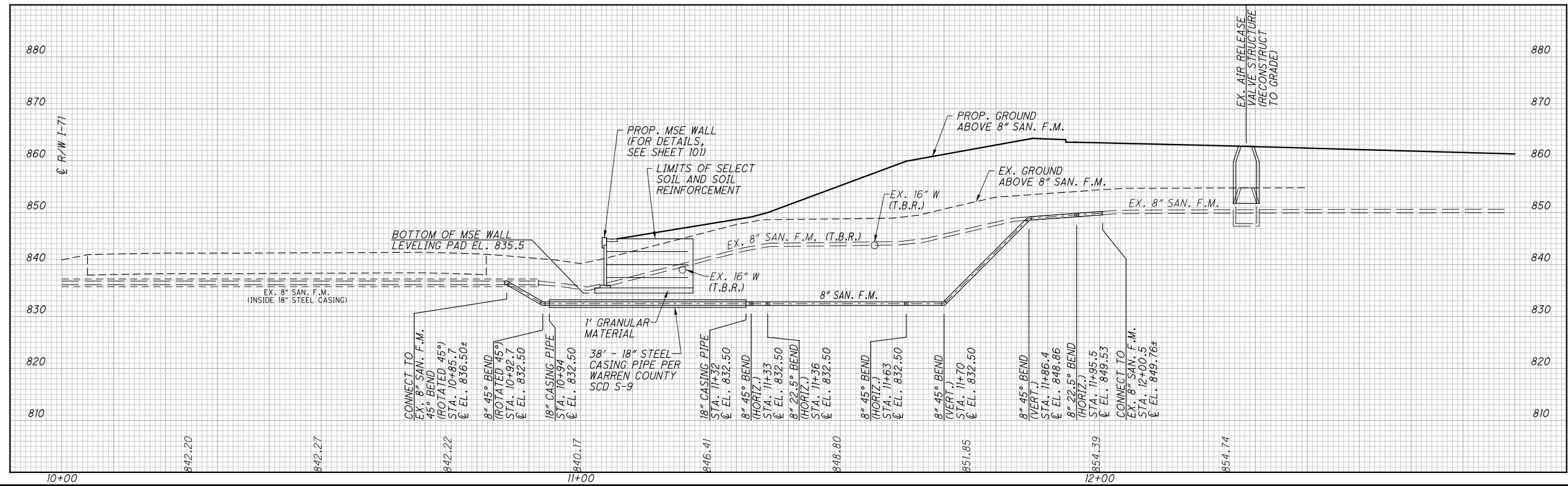
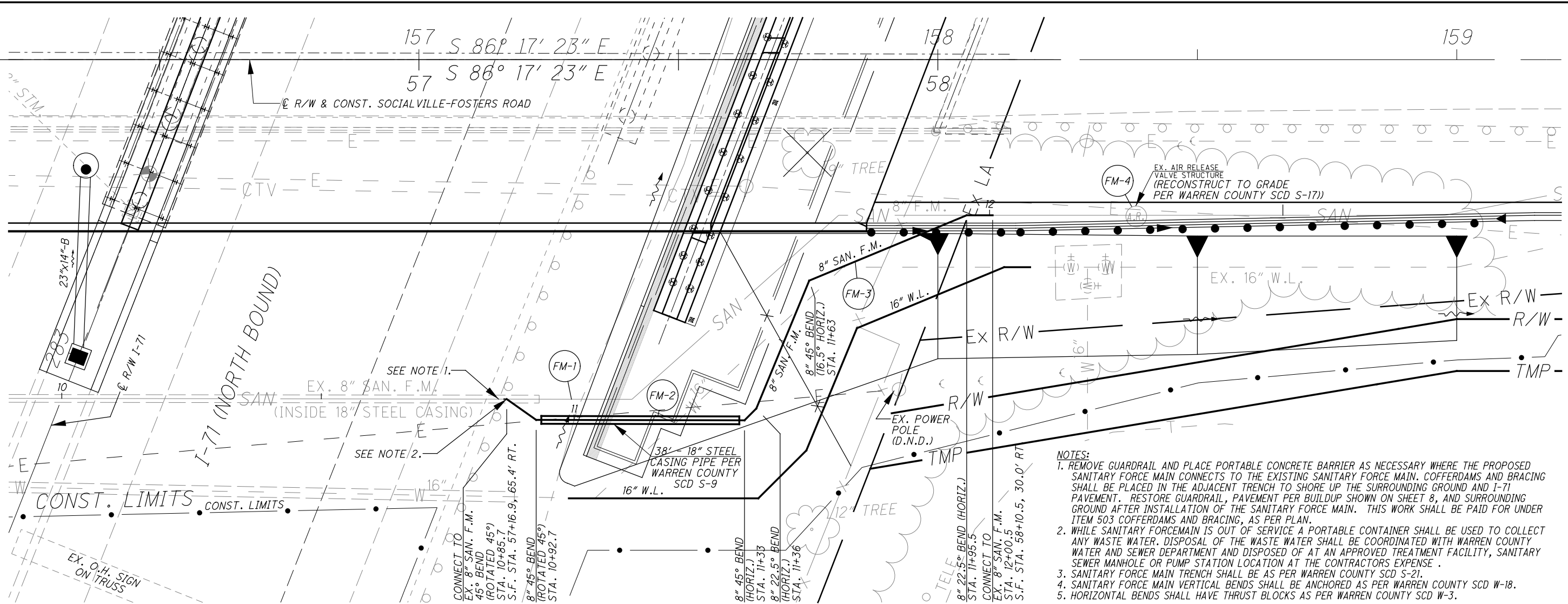
PHASE I:

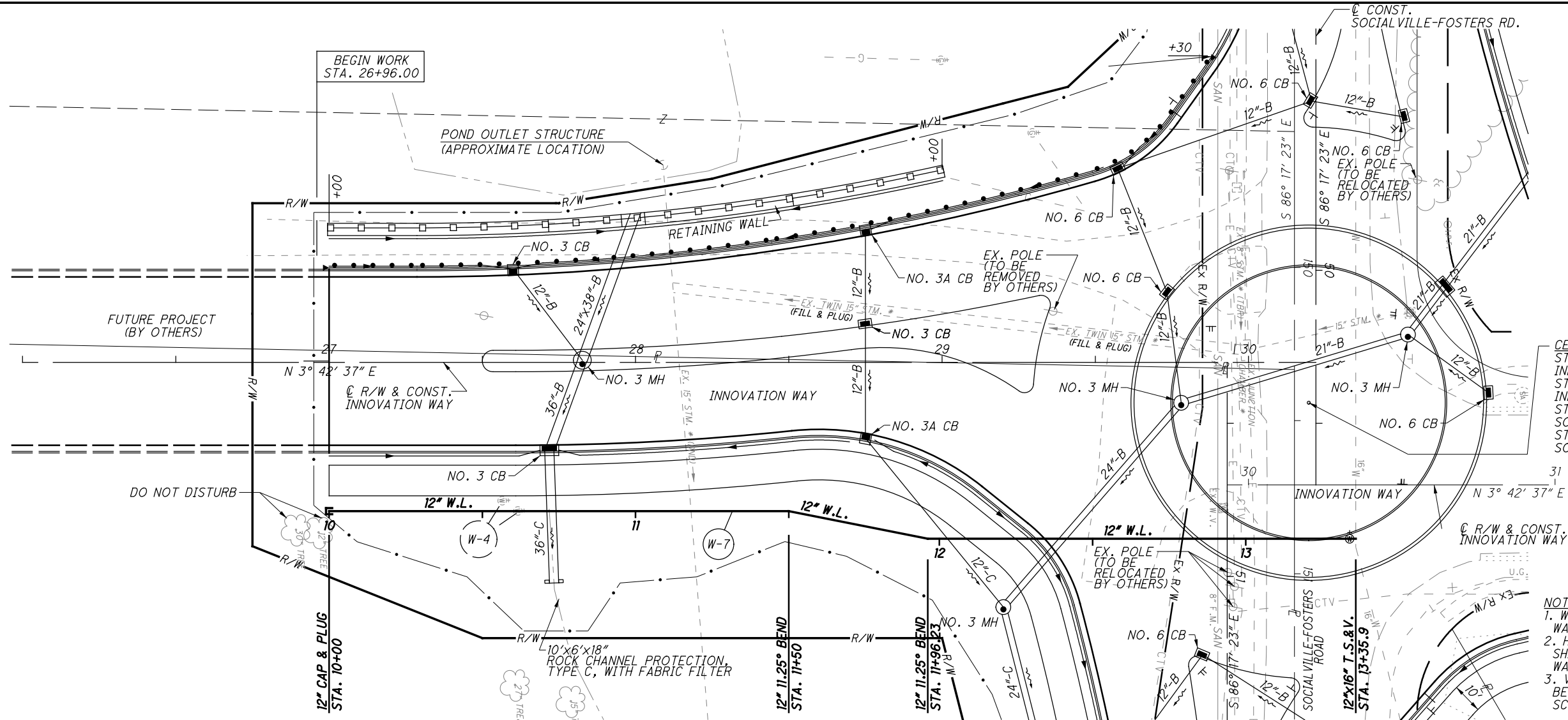
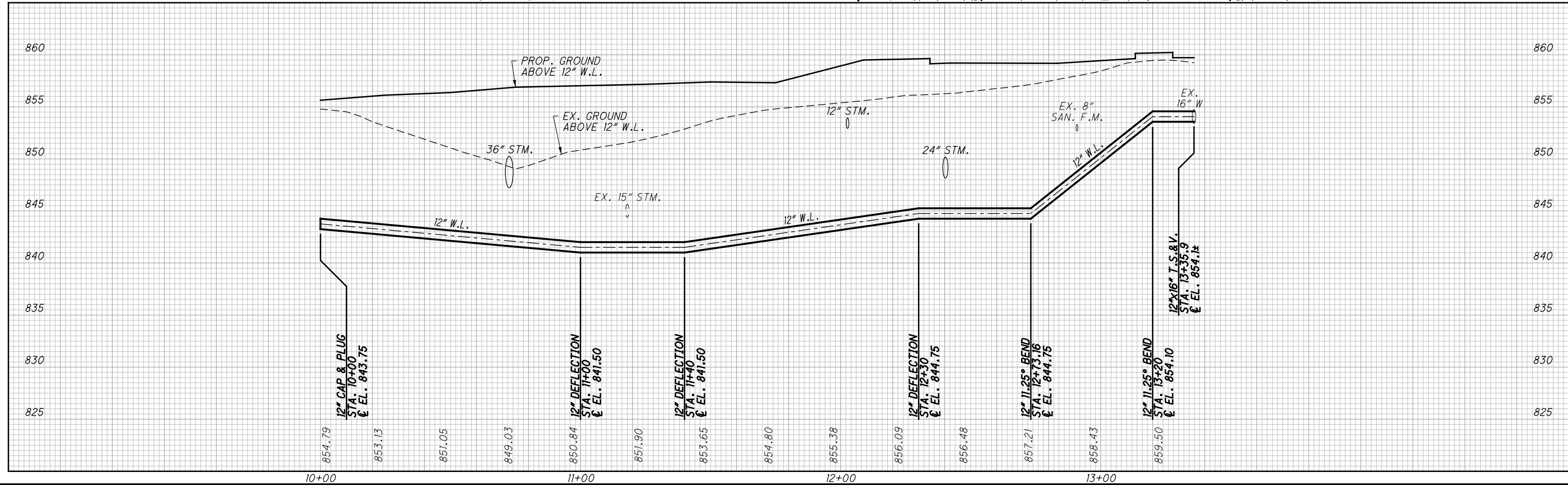
1. CONSTRUCT PROPOSED WATER MAIN UP TO TIE- IN POINT AT EACH END.
2. SHUT OFF WATER FLOW. DISCONNECT EXISTING WATER MAIN AND CONNECT PROPOSED WATER MAIN AT EACH TIE-IN POINT.
3. PERFORM ALL TESTING AND DISINFECTION PROCEDURES NOTED IN THE PLANS AND SPECIFICATIONS.
4. OPEN UP WATER FLOW.
5. REMOVE EXISTING WATER MAIN.

PHASE II:

1. CONSTRUCT SANITARY FORCE MAIN UP TO TIE-IN POINTS AT EACH END.
2. SHUT OFF SANITARY FORCE MAIN FLOW. DISCONNECT EXISTING SANITARY FORCE MAIN AND CONNECT PROPOSED SANITARY FORCE MAIN AT EACH TIE-IN POINT. COLLECT EFFLUENT FROM THE FORCE MAIN IN PORTABLE CONTAINER(S), ENSURING THAT SPILLAGE DOES NOT OCCUR.
3. PERFORM ALL TESTING NOTED IN THE PLANS AND SPECIFICATIONS.
4. OPEN UP SANITARY FLOW.
5. REMOVE EXISTING SANITARY FORCE MAIN.
6. DISPOSE OF COLLECTED WASTE WATER AS PER NOTE 2 ON SHEET 69C.

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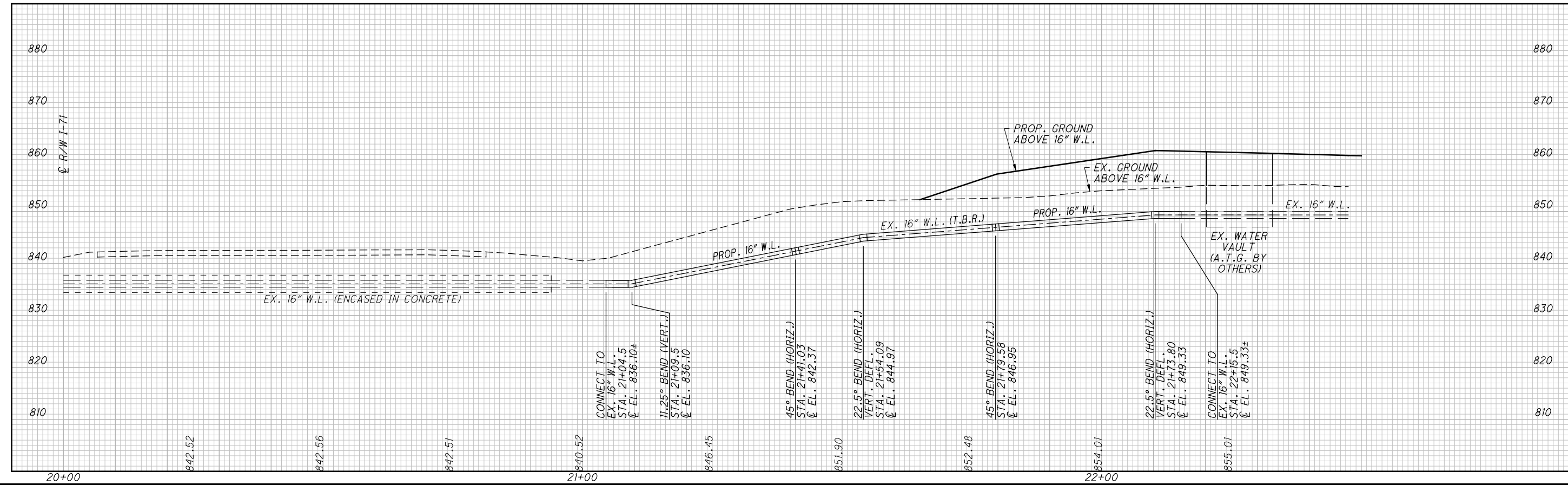
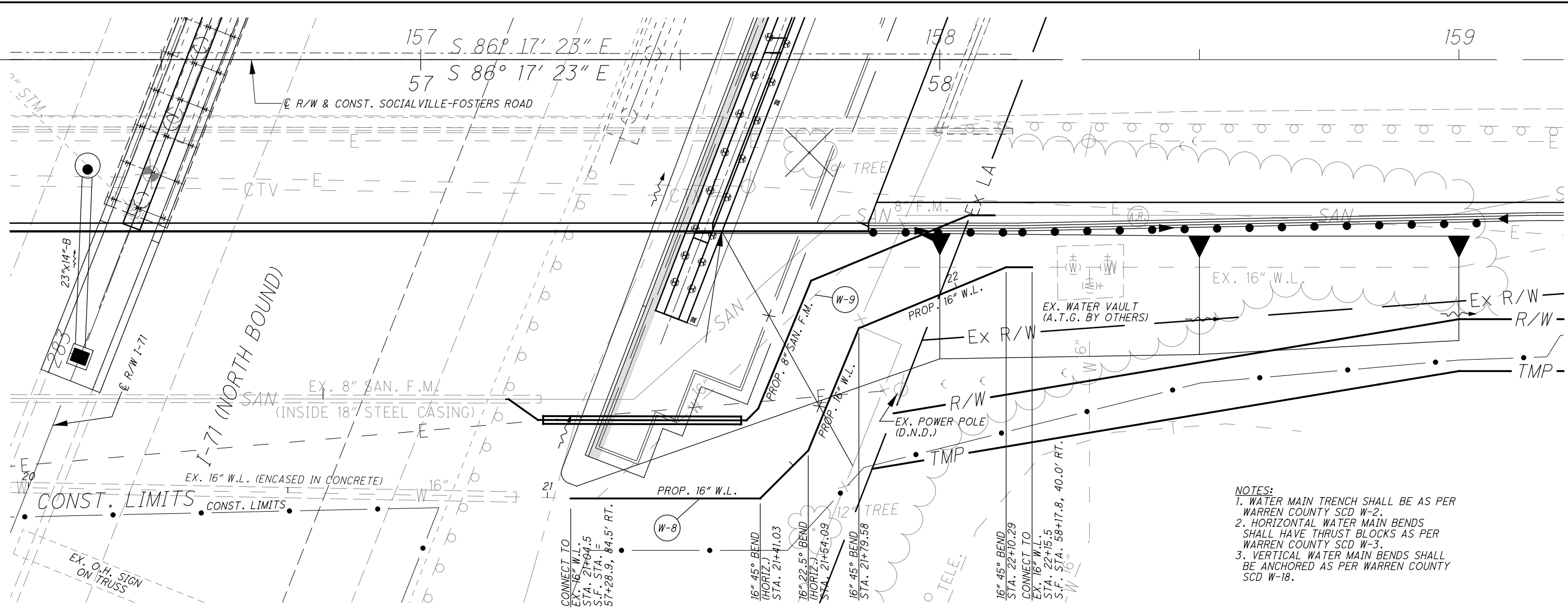


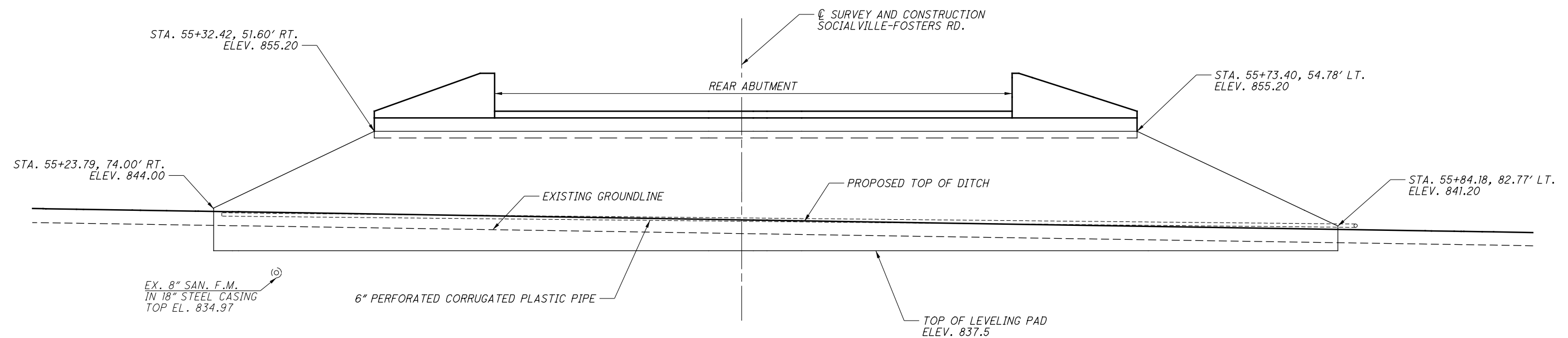
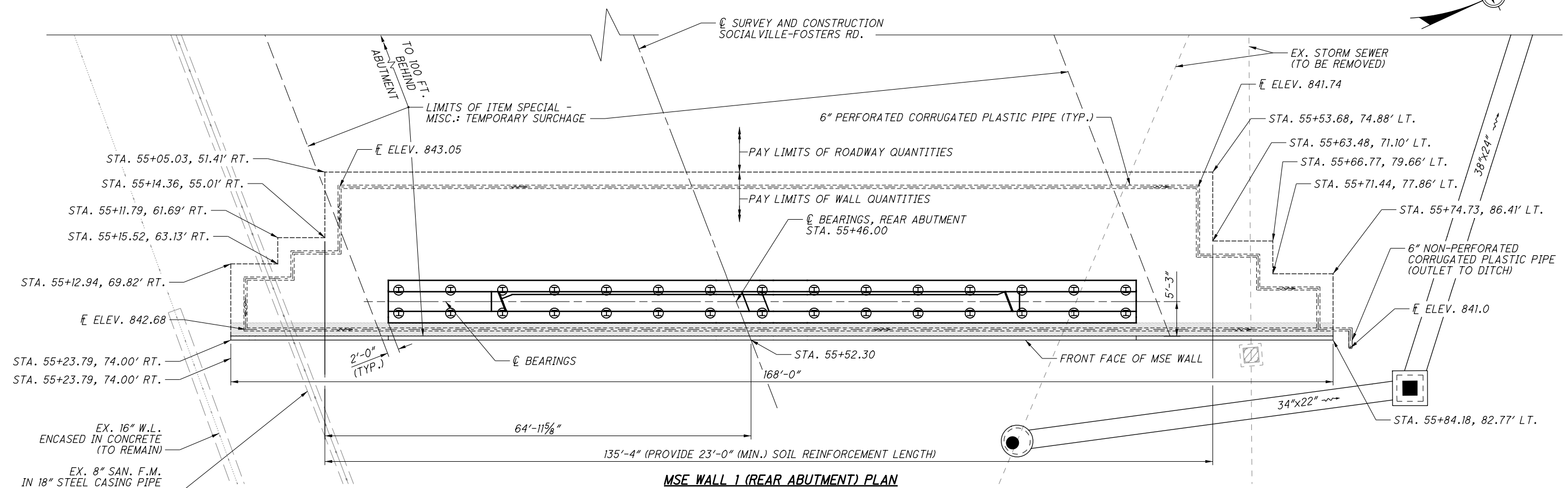


CENTER OF ROUNDABOUT
STA. 30+19.64, 26.84' LT.
INNOVATION WAY (NORTH) =
STA. 30+19.64, 13.16' RT.
INNOVATION WAY (SOUTH) =
STA. 50+43.27, 2.36' RT.
SOCIALVILLE-FOSTERS ROAD (WEST) =
STA. 50+43.27, 26.64' LT.
SOCIALVILLE-FOSTERS ROAD (EAST)

- NOTES:
1. WATER MAIN TRENCH SHALL BE AS PER WARREN COUNTY SCD W-2.
 2. HORIZONTAL WATER MAIN BENDS SHALL HAVE THRUST BLOCKS AS PER WARREN COUNTY SCD W-3.
 3. VERTICAL WATER MAIN BENDS SHALL BE ANCHORED AS PER WARREN COUNTY SCD W-18.

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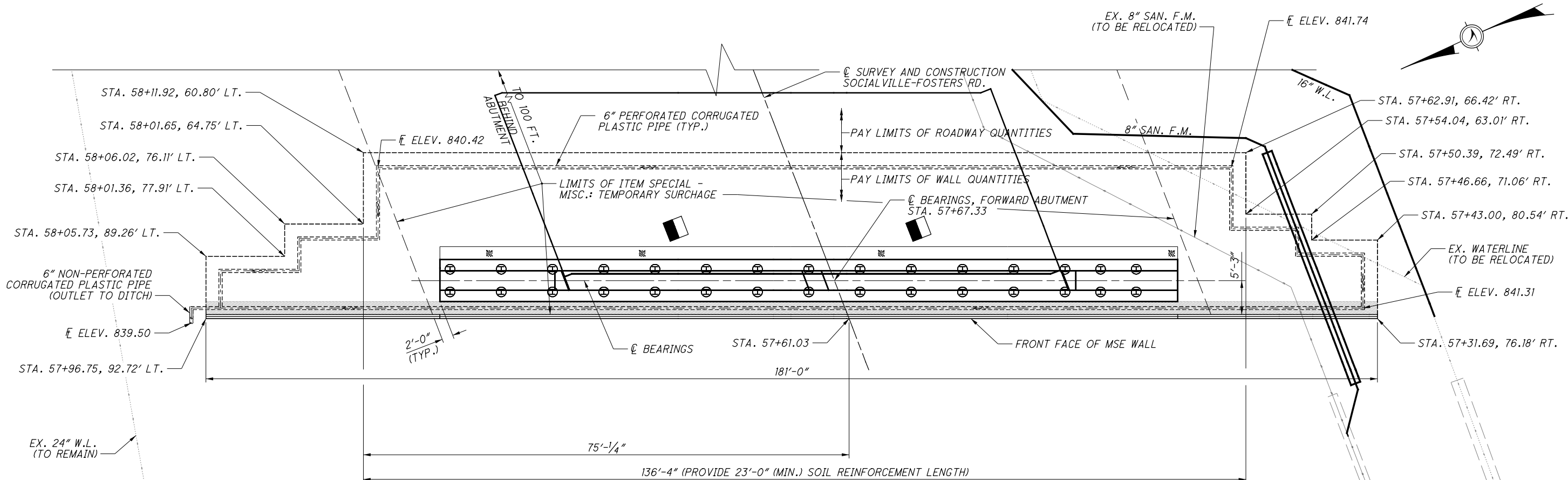




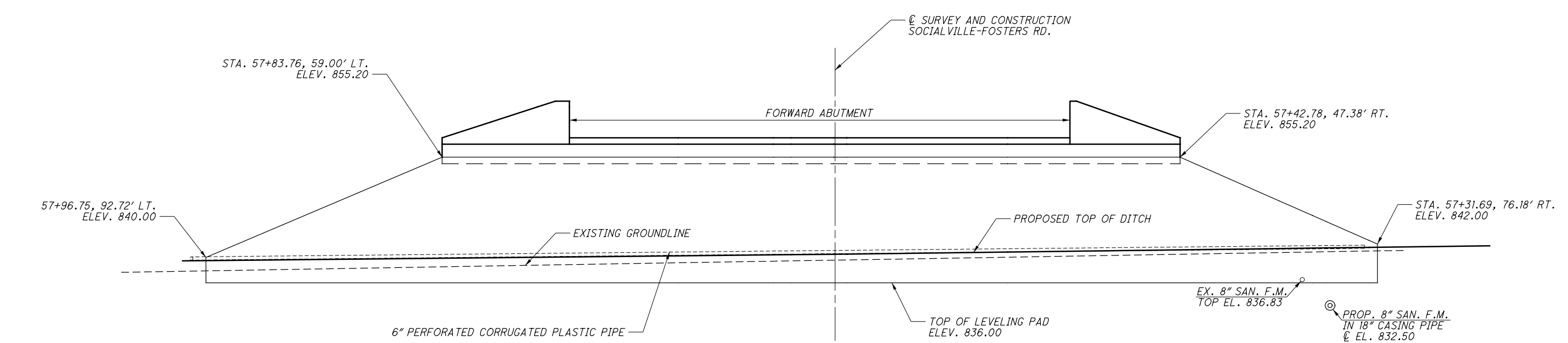
NOTES:

1. FOR BRIDGE GENERAL NOTES, SEE SHEETS 2 AND 3 OF 37.
2. FOR MSE WALL GENERAL NOTES, SEE SHEETS 6 AND 7 OF 37.

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MSE WALL 2 (FORWARD ABUTMENT) PLAN



MSE WALL 2 (FORWARD ABUTMENT) ELEVATION
(STATIONS AND OFFSETS SHOWN AT WALL MEASURED TO FRONT FACE OF MSE WALL)

- NOTES:**
- FOR BRIDGE GENERAL NOTES, SEE SHEETS 2 AND 3 OF 37.
 - FOR MSE WALL GENERAL NOTES, SEE SHEETS 6 AND 7 OF 37.

DESIGN AGENCY CT Consultants engineers architects planners 7965 N. High Street, Suite 300 Columbus, OH 43235 614.885.1700 www.ctconsultants.com	
DATE 11/14	STRUCTURE FILE NUMBER 8310000
REVIEWED REN	DESIGNED JFM
DRAWN JFM	CHECKED TAB
FORWARD ABUTMENT MSE WALL 2 BRIDGE NO. WAR-71-0253 SOCIALVILLE-FOSTERS RD. OVER I-71	
WAR-71-2.54	
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