


OFFICE CALC	SHEET NUM.												PART.	ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.	
	4	5	10	11	24	25	26	27	28	30	31	39								
					2.8									2.8	601	32100	2.8	CY	DRAINAGE ROCK CHANNEL PROTECTION, TYPE B WITH FILTER	
					0.86									0.86	602	20000	0.86	CY	CONCRETE MASONRY	
					4,514									4,514	605	06000	4,514	FT	4" BASE PIPE UNDERDRAINS	
	100													100	611	00400	100	FT	4" CONDUIT, TYPE E	
	100				169									269	611	00410	269	FT	4" CONDUIT, TYPE F FOR UNDERDRAIN OUTLET	
					5									5	611	04400	5	FT	12" CONDUIT, TYPE B	
					250									250	611	04600	250	FT	12" CONDUIT, TYPE C	
					72									72	611	07400	72	FT	18" CONDUIT, TYPE B	
					450									450	611	07600	450	FT	18" CONDUIT, TYPE C	
					383									383	611	10400	383	FT	24" CONDUIT, TYPE B	
					737									737	611	10600	737	FT	24" CONDUIT, TYPE C	
					11									11	611	98510	11	EACH	CATCH BASIN, NO. 2-3	
					1									1	611	99574	1	EACH	MANHOLE, NO. 3	
					1									1	611	99710	1	EACH	PRECAST REINFORCED CONCRETE OUTLET	
																			WATER WORK	
													125	638	01710	125	FT	8" WATER MAIN POLYVINYL CHLORIDE PIPE AND FITTINGS, AWWA C900, DR14		
												2,070	638	02750	2,070	FT	12" WATER MAIN POLYVINYL CHLORIDE PIPE AND FITTINGS, AWWA C900, DR-14			
												4	638	07900	4	EACH	8" GATE VALVE AND VALVE BOX			
												7	638	08100	7	EACH	12" GATE VALVE AND VALVE BOX			
												5	638	10201	5	EACH	6" FIRE HYDRANT, AS PER PLAN ASSEMBLY, TYPE 1	68		
												4	638	10480	4	EACH	FIRE HYDRANT REMOVED			
												4	SPECIAL	63820880	4	EACH	CUT AND PLUG EXISTING 8" WATER LINE, HEATH STD DWG WA-5	68		
												150	638	98600	150	FT	WATER WORK, MISC.:12" WATER MAIN HDPE DIRECTIONAL DRILL	68		
												1	638	98000	1	EACH	WATER WORK, MISC.:8" CAP AND PLUG	31		
																			TRAFFIC CONTROL	
									119.5				119.5	630	03100	119.5	FT	GROUND MOUNTED SUPPORT, NO. 3 POST		
									37.5				37.5	630	03101	37.5	FT	GROUND MOUNTED SUPPORT, NO. 3 POST, AS PER PLAN	75	
									61.38				61.38	630	80100	61.38	SF	SIGN, FLAT SHEET		
									33.5				33.5	630	80101	33.5	SF	SIGN, FLAT SHEET, AS PER PLAN, TYPE G	75	
									16				16	630	84900	16	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL		
									14				14	630	86002	14	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL		
									0.99				0.99	644	00104	0.99	MILE	EDGE LINE, 6", WHITE		
									0.49				0.49	644	00300	0.49	MILE	CENTER LINE, 5" YELLOW, DOUBLE SOLID		
									53				53	644	00500	53	FT	STOP LINE, 20" WHITE		
																			MAINTENANCE OF TRAFFIC	
				20									20	614	11110	20	hour	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE		
													14	614	12380	14	EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (UNIDIRECTIONAL)		
LS														614	12420		LS	DETOUR SIGNING		
													35	614	12440	35	EACH	WORK ZONE SIGN SUPPORT		
													35	614	12460	35	EACH	WORK ZONE MARKING SIGN		
													86	614	13310	86	EACH	BARRIER REFLECTOR, TYPE 1, 1 WAY		
													86	614	13350	86	EACH	OBJECT MARKER, ONE WAY		
				24									24	614	18601	24	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	10	
													1.89	614	22010	1.89	MILE	WORK ZONE EDGE LINE, CLASS I, 6"		
LS													LS	615	10000	LS		ROADS FOR MAINTAINING TRAFFIC		
													1,340	615	20000	1,340	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A		
				8									8	616	10000	8	MGAL	WATER		
													3,946	622	41100	3,946	FT	PORTABLE BARRIER, UNANCHORED	10	
																			INCIDENTALS	
LS													LS	614	11000	LS		MAINTAINING TRAFFIC		
LS													LS	623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING		
LS													LS	624	10001	LS		MOBILIZATION, AS PER PLAN	5	
LS													LS	SPECIAL	69098400	LS		RECORD CONSTRUCTION DRAWINGS	6	

GENERAL SUMMARY

DESIGN AGENCY

 1555 WEST MAIN STREET
 TEL: 740.344.5451
 FAX: 614.360.0023

DESIGNER
MRO


REVIEWER
 SRH 09/16/24

PROJECT ID
 104792

SHEET TOTAL
 P.23 P.91

SHEET NO.	REFERENCE NO.	STATION		SIDE	202					601	602	605		606			609	611						690				
		FROM	TO		CURB AND GUTTER REMOVED	PIPE REMOVED, 24" AND UNDER	FENCE REMOVED	GUARDRAIL REMOVED	CATCH BASIN REMOVED	ROCK CHANNEL PROTECTION TYPE B WITH FILTER	CONCRETE MASONRY	4" UNDERDRAIN, TYPE F	4" BASE PIPE UNDERDRAINS	ANCHOR ASSEMBLY, TYPE E	ANCHOR ASSEMBLY, TYPE T	GUARDRAIL, TYPE MGS	COMBINATION CURB AND GUTTER, TYPE 2	12" CONDUIT, TYPE B	12" CONDUIT, TYPE C	18" CONDUIT, TYPE B	18" CONDUIT, TYPE C	24" CONDUIT, TYPE B	24" CONDUIT, TYPE C	CATCH BASIN, CB-2-3	MANHOLE, NO. 3	PRECAST REINFORCED CONCRETE OUTLET	MAILBOX REMOVED AND RESET	
					FT	FT	FT	FT	EACH	CY	CY	FT	FT	FT	EACH	EACH	FT	FT	FT	FT	FT	FT	FT	FT	EACH	EACH	EACH	EACH
33	D13	207+90	208+61	LT													5		72				1					
33	D12	208+61	210+00	LT																	139	1						
33	R1	207+91	208+50	LT		59																						
33	R2	208+31	210+00	LT		17																						
33	R3	208+42	210+00	LT			158																					
33	UD1	207+65	210+00	RT									235															
32	UD2	208+28	210+00	LT									186															
34	UD3	210+00	214+00	LT									400															
34	UD4	210+00	210+60	RT									60															
34	D11	210+00	212+50	LT																	250	1						
34	UD5	211+25	214+00	RT									275															
34-35	R4	211+97	215+41	LT		411																						
34	D10	212+50	214+00	LT																150		1						
34-35	D9	214+00	215+41	LT								32								140		1						
34-35	UD6	214+00	215+97	LT									197															
34-35	UD7	214+00	215+97	RT									197															
35	R5	215+41	215+41	LT					1																			
35	D8	215+41	215+97	LT								38									58			1				
35	D7	215+97	218+50	LT						1.4	0.43																	
35	UD8	215+97	218+50	RT									253															
35	UD9	215+97	218+50	LT									253															
35	MB1	213+05	218+97	LT																							1	
35	C1	218+97	219+20	RT	11												11											
35	C2	219+20	217+15	RT	11												11											
35	G1	215+26	217+15	LT				204						2	212.5													
35	G2	214+77	217+15	RT				203						2	212.5													
35	D36	218+50	221+00	LT															250		1							
35	UD10	218+50	218+92	RT									52															
35-36	UD11	218+50	221+00	LT									250															
35-36	UD12	219+26	221+00	RT									184															
36	MB2	220+63	227+00	LT																							1	
36	MB3	221+85	227+00	LT																							1	
36	MB4	224+17	227+00	LT																								
36-37	UD13	221+00	227+00	LT									600															
36-37	UD14	221+00	227+00	RT									600															
36	D35	221+00	222+50	LT								41								150		1						
36	D34	222+50	225+50	LT															300		1							
37	MB5	226+54	229+33	LT																							1	
37	MB6	226+88	229+33	LT						1.4	0.43																1	
37	D33	225+50	226+50	LT																								
37	D32	226+50	228+40	LT																	150	1						
37	UD15	226+50	229+18	LT								10	272							140		1						
37	UD16	226+50	229+10	RT								10	263													1		
37	D31	228+40	229+33	LT																93		1						
37	MB7	228+34	228+87	LT																							2	
37	R6	228+40	228+87	LT		47																						
37	G3	228+93	230+00	LT				75						1	1	107												
37	G4	228+77	230+00	RT				73						1	1	129												
38	G5	230+00	230+75	LT				75						1	1	107												
38	G6	230+00	230+73	RT				73						1	1	129												
38	UD17	230+21	230+75	RT									54															
38	UD18	230+27	230+75	LT								38	48													1		
38	UD19	230+75	232+08	RT									75															
38	UD20	230+75	231+35	RT									60															
TOTALS CARRIED TO GENERAL SUMMARY					22	534	158	703	1	2.8	0.86	169	4514	8	4	897.0	22	5	250	72	450	383	737	11	1	3	7	

ROADWAY SUBSUMMARY

DESIGN AGENCY

 1100 MARKET STREET
 NEWARK, OH 43055
 TEL: 760.346.5405
 FAX: 614.666.0023

DESIGNER
MRO


REVIEWER
 SRH 09/16/24

PROJECT ID
 104792

SHEET TOTAL
 P.24 | P.91

SHEET NO.	REFERENCE NO.	LOCATION	STATION		SIDE	614						615	622
			FROM	TO		WORK ZONE MARKING SIGN	WORK ZONE SIGN SUPPORT	WORK ZONE EDGE LINE, CLASS I, 642 PAINT, 6"	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (UNIDIRECTIONAL)	BARRIER REFLECTOR, TYPE 1	OBJECT MARKER, ONE WAY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC, CLASS A	PORTABLE BARRIER, UNANCHORED
						EACH	EACH	MILE	EACH	EACH	SY	FT	
12	WEL1	CL THORNWOOD DR	207+65	210+59	RT			0.07					
12	WEL2	CL THORNWOOD DR	208+60	212+00	CT			0.06					
12	WEL3	CL THORNWOOD DR	211+26	212+00	RT			0.01					
12	IA1	CL THORNWOOD DR	208+60	208+75	CT				1				
12	PCB1	CL THORNWOOD DR	208+75	212+00	CT					7	7		325
12	TP1	CL THORNWOOD DR	206+65	210+59	RT							81	
12	TP2	CL THORNWOOD DR	211+26	212+00	RT							20	
12	WS1	CL THORNWOOD DR	201+40		CT	1	1						
12	WS2	CL THORNWOOD DR	205+50		RT	1	1						
12	WS3	CL THORNWOOD DR	206+50		RT	1	1						
12	WS4	CL THORNWOOD DR	207+50		RT	1	1						
12	WS5	CL THORNWOOD DR	208+10		RT	1	1						
12	WS6	CL THORNWOOD DR	207+90		LT	1	1						
12	WS7	CL THORNWOOD DR	210+90		CT	1	1						
13	WEL1	CL THORNWOOD DR	212+00	217+00	RT			0.10					
13	WEL2	CL THORNWOOD DR	212+00	217+00	RT			0.10					
13	IA1	CL THORNWOOD DR	212+40	212+56	CT				1				
13	IA2	CL THORNWOOD DR	214+10	214+26	CT				1				
13	PCB1	CL THORNWOOD DR	212+00	212+40	CT					1	1		40
13	PCB2	CL THORNWOOD DR	212+93	214+10	CT					3	3		117
13	PCB3	CL THORNWOOD DR	214+70	217+00	CT					5	5		230
13	TP1	CL THORNWOOD DR	212+00	217+00	RT							130	
13	WS1	CL THORNWOOD DR	212+60		LT	1	1						
13	WS2	CL THORNWOOD DR	214+25		LT	1	1						
14	WEL1	CL THORNWOOD DR	217+00	222+00	RT			0.10					
14	WEL2	CL THORNWOOD DR	217+00	218+80	CT			0.03					
14	WEL3	CL THORNWOOD DR	219+34	222+00	RT			0.05					
14	PCB1	CL THORNWOOD DR	217+00	222+00	CT					10	10		500
14	TP1	CL THORNWOOD DR	217+00	218+80	RT							47	
14	TP2	CL THORNWOOD DR	219+34	222+00	RT							83	
14	WS1	CL THORNWOOD DR	219+09		CT	1	1						
14	WS2	CL THORNWOOD DR	220+59		CT	1	1						
14	WS3	CL THORNWOOD DR	221+82		CT	1	1						
15	WEL1	CL THORNWOOD DR	222+00	227+50	CT			0.11					
15	WEL2	CL THORNWOOD DR	222+00	227+50	RT			0.11					
15	PCB1	CL THORNWOOD DR	222+00	227+50	CT					11	11		550
15	TP1	CL THORNWOOD DR	222+00	226+24	RT							235	
15	TP2	CL THORNWOOD DR	226+80	227+50	RT							30	
15	WS1	CL THORNWOOD DR	222+23		CT	1	1						
15	WS2	CL THORNWOOD DR	224+05		CT	1	1						
15	WS3	CL THORNWOOD DR	226+51		CT	1	1						
15	WS4	CL THORNWOOD DR	227+05		CT	1	1						
16	WEL1	CL THORNWOOD DR	227+50	232+94	CT			0.10					
16	WEL2	CL THORNWOOD DR	227+50	230+98	RT			0.07					
16	IA1	CL THORNWOOD DR	228+23	228+39	CT				1				
16	IA2	CL THORNWOOD DR	232+78	232+94	LT				1				
16	PCB1	CL THORNWOOD DR	227+50	228+23	CT					2	2		73
16	PCB2	CL THORNWOOD DR	230+50	232+78	CT					5	5		229
16	TP1	CL THORNWOOD DR	227+50	228+52	RT							65	
16	TP2	CL THORNWOOD DR	230+20	230+98	RT							16	
16	WS1	CL THORNWOOD DR	228+23		LT	1	1						
16	WS2	CL THORNWOOD DR	228+39		LT	1	1						
16	WS3	CL THORNWOOD DR	228+45		LT	1	1						
16	WS4	CL THORNWOOD DR	228+65		RT	1	1						
16	WS5	CL THORNWOOD DR	231+05		LT	1	1						
16	WS6	CL THORNWOOD DR	231+40		LT	1	1						
16	WS7	CL THORNWOOD DR	232+15		LT	1	1						
16	WS8	CL THORNWOOD DR	231+55		RT	1	1						
16	WS9	CL THORNWOOD DR	232+75		LT	1	1						
TOTALS CARRIED TO SHEET 30						25	25	0.92	5	44	44	707	2064

MAINTENANCE OF TRAFFIC SUBSUMMARY

DESIGN AGENCY

 1555 WEST MAIN STREET
 SUITE 200
 FORT WORTH, TEXAS 76104
 TEL: 740.344.5451
 FAX: 616.350.0253

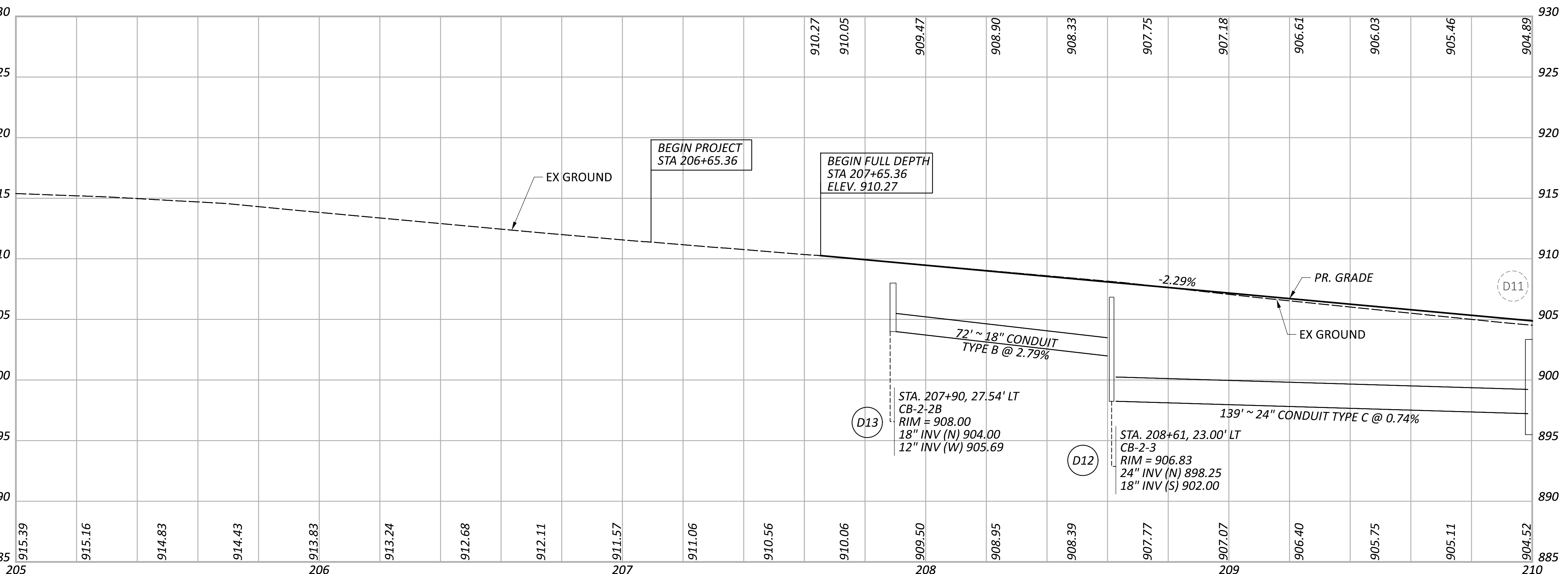
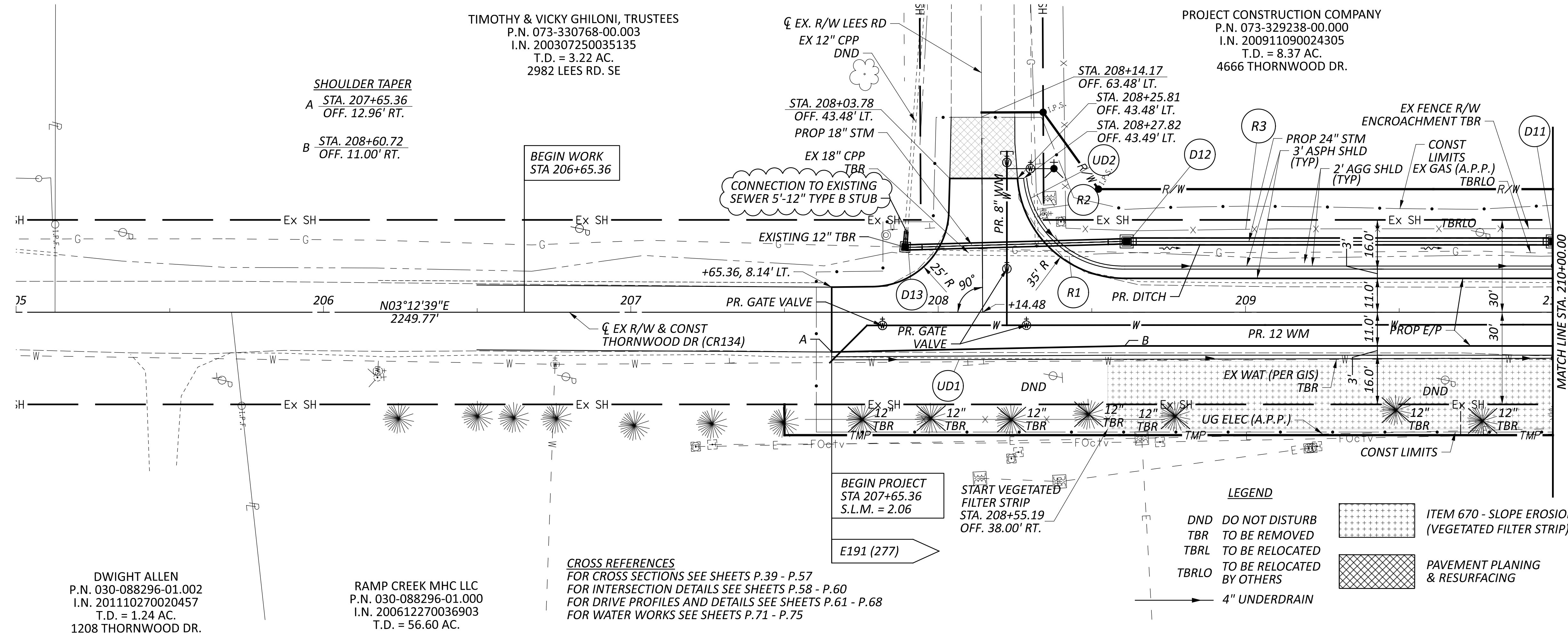
DESIGNER
MRO

REVIEWER
 SRH 09/16/24

PROJECT ID
 104792

SHEET TOTAL
 P.29 P.91

SHEET NO.	REFERENCE NO.	LOCATION	STATION		SIDE	614				615		622			
			FROM	TO		WORK ZONE MARKING SIGN	WORK ZONE SIGN SUPPORT	WORK ZONE EDGE LINE, CLASS I, 6"	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (UNIDIRECTIONAL)	BARRIER REFLECTOR, TYPE 1	OBJECT MARKER, ONE WAY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC, CLASS A	PORTABLE BARRIER, UNANCHORED		
						EACH	EACH	MI	EACH	EACH	EACH	SY	FT		
17	WEL1	CL THORNWOOD DR	204+65	207+94	LT			0.06							
17	WEL2	CL THORNWOOD DR	207+23	210+55	CT			0.06							
17	WEL3	CL THORNWOOD DR	208+45	212+00	LT			0.07							
17	WEL4	CL THORNWOOD DR	211+33	212+00	CT			0.01							
17	IA1	CL THORNWOOD DR	206+48	206+63	RT				1						
17	IA2	CL THORNWOOD DR	210+40	210+55	CT				1						
17	PCB1	CL THORNWOOD DR	206+63	210+40	CT					8	8		377		
17	PCB2	CL THORNWOOD DR	211+33	212+00	CT					2	2		67		
17	TP1	CL THORNWOOD DR	204+65	207+94	LT							142			
17	TP2	CL THORNWOOD DR	208+27	212+00	LT							86			
17	WS1	CL THORNWOOD DR	201+40		CT	1	1								
17	WS2	CL THORNWOOD DR	211+25		RT	1	1								
18	WEL1	CL THORNWOOD DR	212+00	212+60	LT			0.01							
18	WEL2	CL THORNWOOD DR	212+93	214+28	LT			0.03							
18	WEL3	CL THORNWOOD DR	214+67	217+00	LT			0.04							
18	WEL4	CL THORNWOOD DR	212+00	217+00	CT			0.10							
18	PCB1	CL THORNWOOD DR	212+00	217+00	CT					10	10		500		
18	TP1	CL THORNWOOD DR	212+00	212+60	LT							14			
18	TP2	CL THORNWOOD DR	212+93	214+28	LT							30			
18	TP3	CL THORNWOOD DR	214+67	217+00	LT							52			
19	WE1	CL THORNWOOD DR	217+00	222+00	LT			0.10							
19	WE2	CL THORNWOOD DR	217+00	218+79	CT			0.03							
19	WE3	CL THORNWOOD DR	219+48	222+00	CT			0.05							
19	IA1	CL THORNWOOD DR	218+63	218+79	CT				1						
19	IA2	CL THORNWOOD DR	220+29	220+45	CT				1						
19	IA3	CL THORNWOOD DR	221+56	221+72	CT				1						
19	PCB1	CL THORNWOOD DR	217+00	218+63	CT					4	4		163		
19	PCB2	CL THORNWOOD DR	219+48	220+29	CT					2	2		81		
19	PCB3	CL THORNWOOD DR	220+79	221+56	CT					2	2		77		
19	TP1	CL THORNWOOD DR	217+00	222+00	LT							112			
19	WS1	CL THORNWOOD DR	219+33		RT	1	1								
19	WS2	CL THORNWOOD DR	220+79		RT	1	1								
20	WEL1	CL THORNWOOD DR	222+00	227+00	LT			0.10							
20	WEL2	CL THORNWOOD DR	222+00	227+00	CT			0.10							
20	IA1	CL THORNWOOD DR	223+73	223+89	CT				1						
20	IA2	CL THORNWOOD DR	226+75	226+92	CT				1						
20	PCB1	CL THORNWOOD DR	228+48	223+73	CT					3	3		126		
20	PCB2	CL THORNWOOD DR	224+26	226+75	CT					5	5		250		
20	TP1	CL THORNWOOD DR	222+00	227+00	LT							112			
20	WS1	CL THORNWOOD DR	222+49		RT	1	1								
20	WS2	CL THORNWOOD DR	224+31		RT	1	1								
20	WS3	CL THORNWOOD DR	226+81		RT	1	1								
21	WEL1	CL THORNWOOD DR	227+00	228+45	LT			0.03							
21	WEL2	CL THORNWOOD DR	227+00	232+50	CT			0.11							
21	WEL3	CL THORNWOOD DR	228+93	232+58	LT			0.07							
21	IA1	CL THORNWOOD DR	228+26	228+43	CT				1						
21	IA2	CL THORNWOOD DR	231+60	231+75	CT				1						
21	PCB1	CL THORNWOOD DR	227+21	228+26	CT					3	3		106		
21	PCB2	CL THORNWOOD DR	230+24	231+60	CT					3	3		135		
21	TP1	CL THORNWOOD DR	227+00	228+45	LT							33			
21	TP2	CL THORNWOOD DR	230+24	232+58	LT							52			
21	WS1	CL THORNWOOD DR	227+21		RT	1	1								
21	WS2	CL THORNWOOD DR	231+60		RT	1	1								
21	WS3	CL THORNWOOD DR	232+15		RT	1	1								
TOTAL FROM THIS SHEET						10	10	0.98	9	42	42	633	1882		
SHEET TOTALS FROM SHEET 29						25	25	0.92	5	44	44	707	2064		
SUBTOTAL						35	35	1.89	14	86	86	1340	3946		
TOTALS CARRIED TO GENERAL SUMMARY						35	35	1.89	14	86	86	1340	3946		



DWIGHT ALLEN
 P.N. 030-088296-01.002
 I.N. 201110270020457
 T.D. = 1.24 AC.
 1208 THORNWOOD DR.

RAMP CREEK MHC LLC
 P.N. 030-088296-01.000
 I.N. 200612270036903
 T.D. = 56.60 AC.

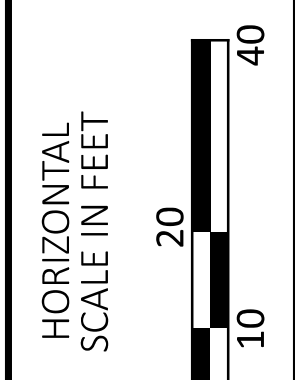
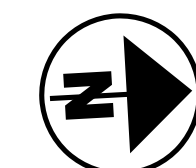
TIMOTHY & VICKY GHILONI, TRUSTEES
 P.N. 073-330768-00.003
 I.N. 200307250035135
 T.D. = 3.22 AC.
 2982 LEES RD. SE

PROJECT CONSTRUCTION COMPANY
 P.N. 073-329238-00.000
 I.N. 200911090024305
 T.D. = 8.37 AC.
 4666 THORNWOOD DR.

CROSS REFERENCES
 FOR CROSS SECTIONS SEE SHEETS P.39 - P.57
 FOR INTERSECTION DETAILS SEE SHEETS P.58 - P.60
 FOR DRIVE PROFILES AND DETAILS SEE SHEETS P.61 - P.68
 FOR WATER WORKS SEE SHEETS P.71 - P.75

LEGEND

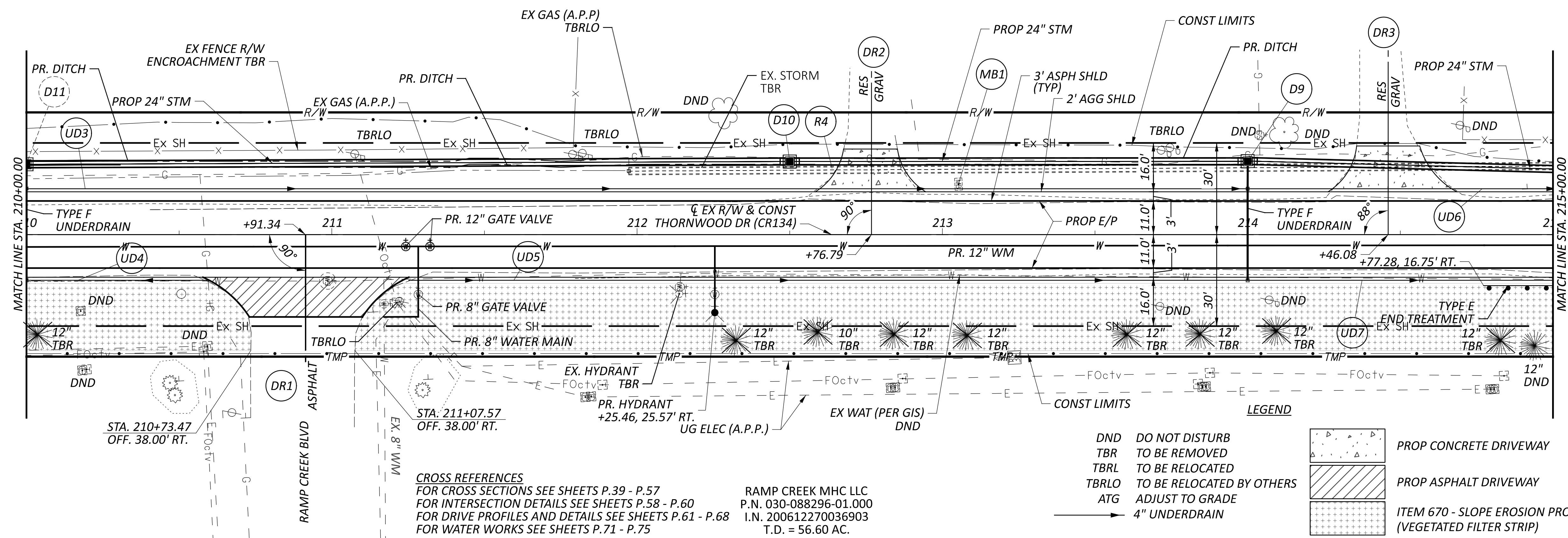
- DND DO NOT DISTURB
- TBR TO BE REMOVED
- TBRL TO BE RELOCATED
- TBRLO TO BE RELOCATED BY OTHERS
- 4" UNDERDRAIN
- ITEM 670 - SLOPE EROSION PROTECTION (VEGETATED FILTER STRIP)
- PAVEMENT PLANNING & RESURFACING



**PLAN AND PROFILE - THORNWOOD DR
 STA 205+00 TO STA 210+00**

DESIGN AGENCY	verdantas
DESIGNER	MRO
REVIEWER	SRH
PROJECT ID	104792
SHEET	P.33
TOTAL	P.91

PROJECT CONSTRUCTION COMPANY
 P.N. 073-329238-00.000
 I.N. 200911090024305
 T.D. = 8.37 AC.
 4666 THORNWOOD DR.

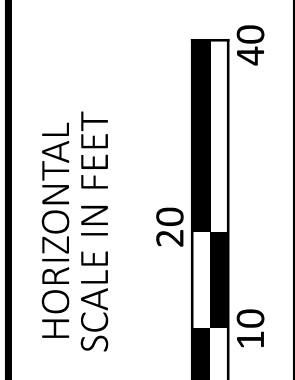
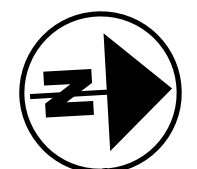
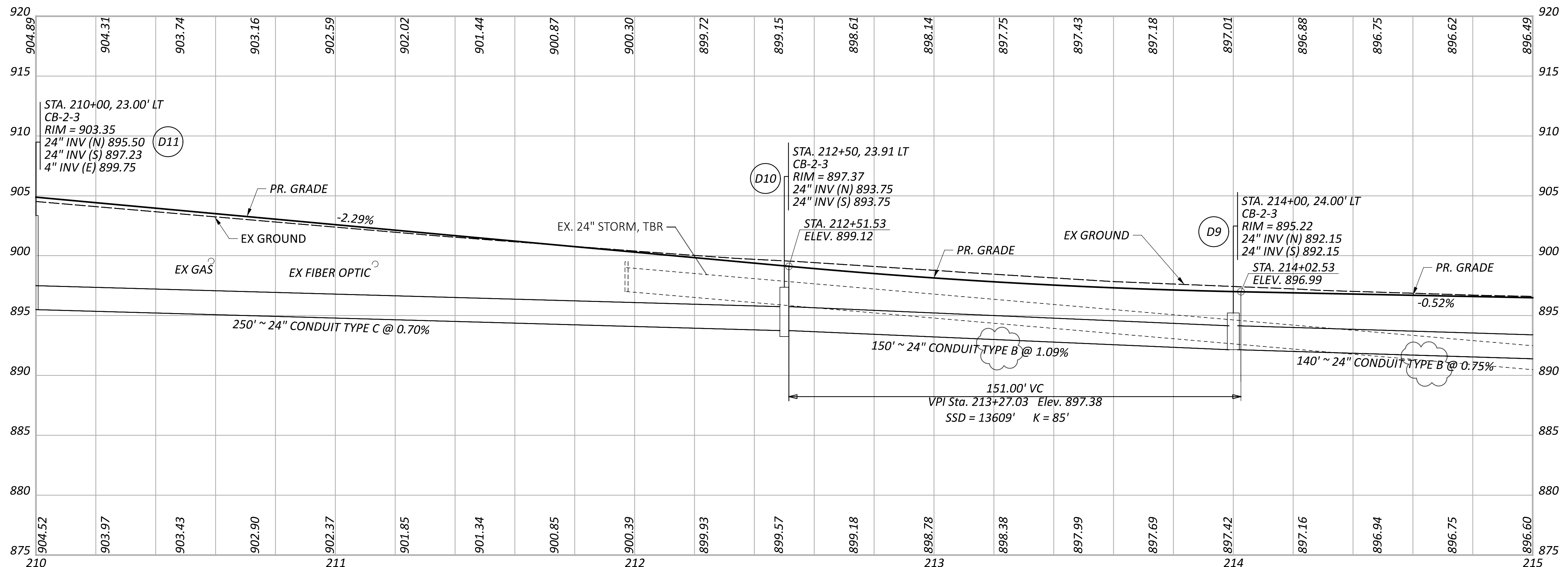


CROSS REFERENCES
 FOR CROSS SECTIONS SEE SHEETS P.39 - P.57
 FOR INTERSECTION DETAILS SEE SHEETS P.58 - P.60
 FOR DRIVE PROFILES AND DETAILS SEE SHEETS P.61 - P.68
 FOR WATER WORKS SEE SHEETS P.71 - P.75

RAMP CREEK MHC LLC
 P.N. 030-088296-01.000
 I.N. 200612270036903
 T.D. = 56.60 AC.

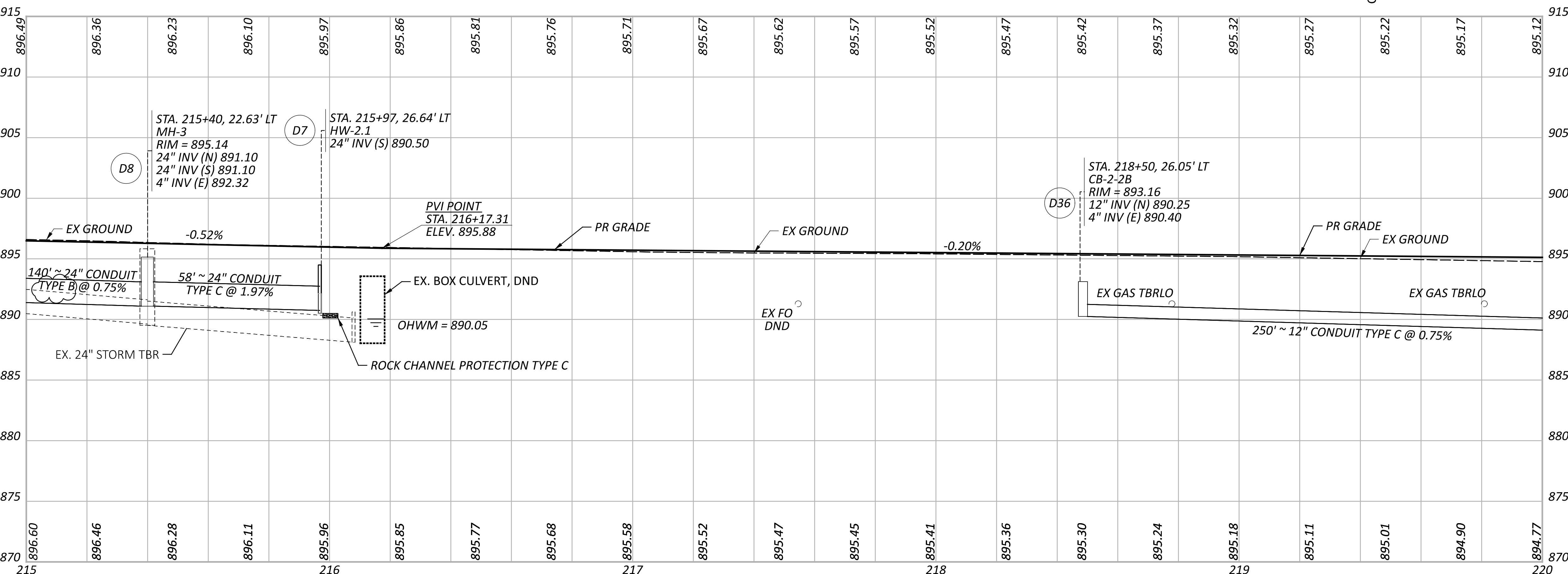
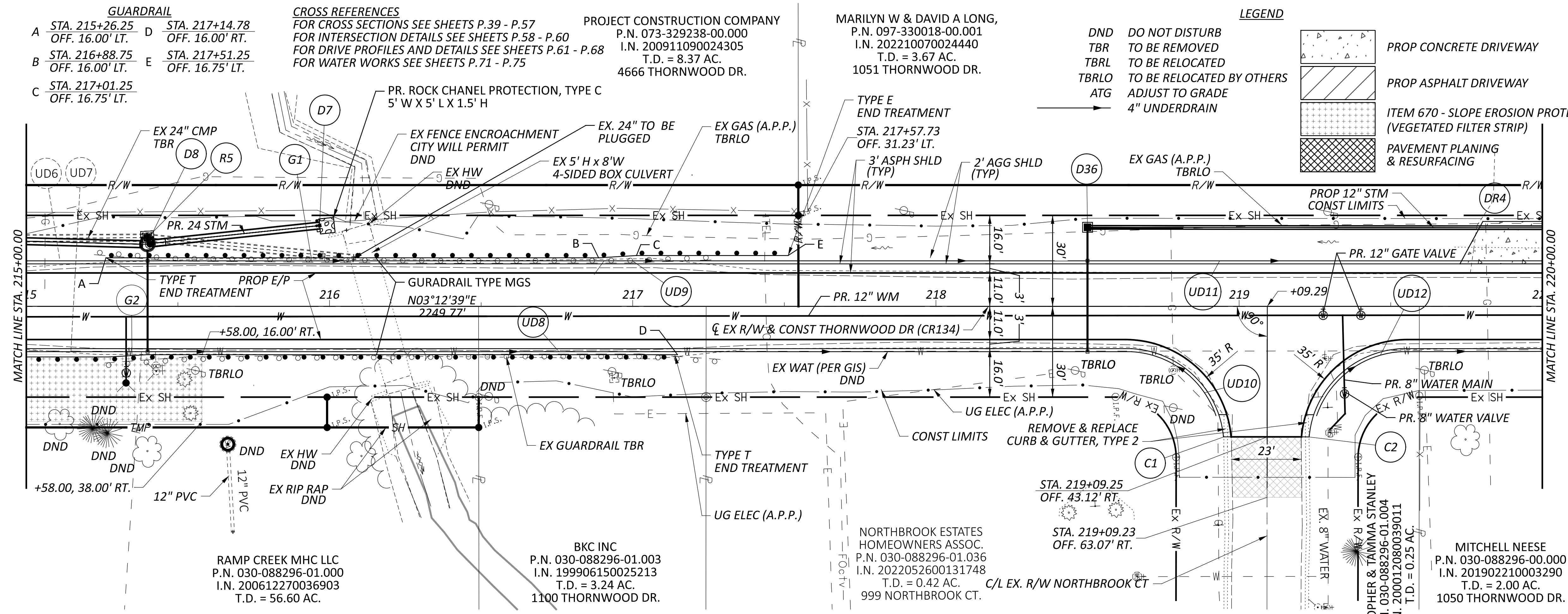
- LEGEND
- DND DO NOT DISTURB
 - TBR TO BE REMOVED
 - TBRLO TO BE RELOCATED
 - TBRLO TO BE RELOCATED BY OTHERS
 - ATG ADJUST TO GRADE
 - 4" UNDERDRAIN

- PROP CONCRETE DRIVEWAY
- PROP ASPHALT DRIVEWAY
- ITEM 670 - SLOPE EROSION PROTECTION (VEGETATED FILTER STRIP)



PLAN AND PROFILE - THORNWOOD DR
 STA 210+00 TO STA 215+00

DESIGN AGENCY	
verdantas	
1500 WEST MAIN STREET SUITE 200 FORT WORTH, TEXAS 76102 TEL: 740.344.5461 FAX: 614.360.0023	
DESIGNER	MRO
REVIEWER	SRH
PROJECT ID	104792
SHEET	P.34
TOTAL	P.91



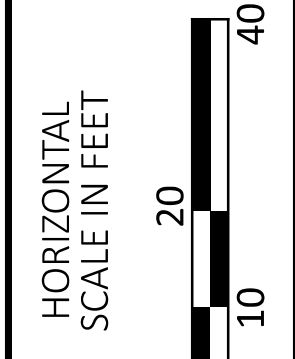
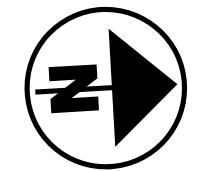
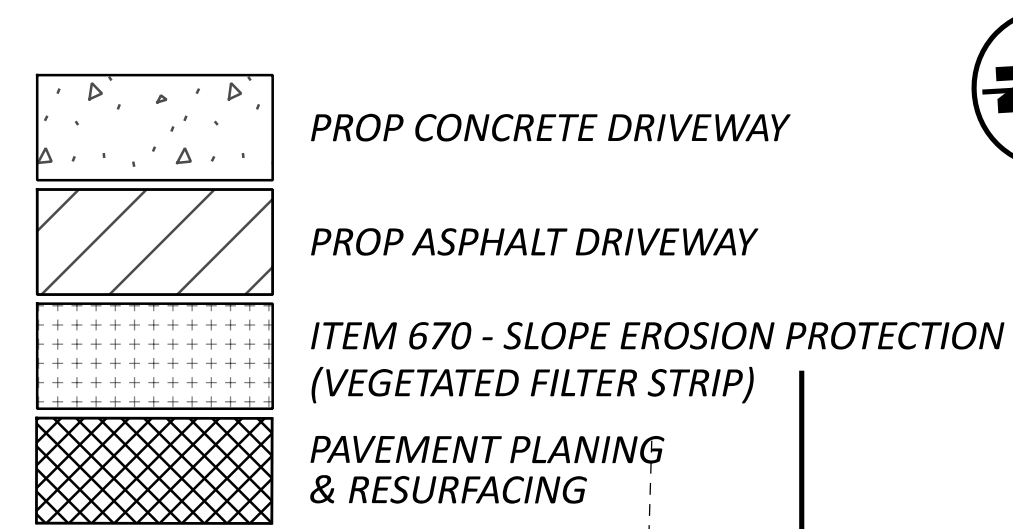
GUARDRAIL
 A STA. 215+26.25 OFF. 16.00' LT.
 B STA. 216+88.75 OFF. 16.00' LT.
 C STA. 217+01.25 OFF. 16.75' LT.
 D STA. 217+14.78 OFF. 16.00' RT.
 E STA. 217+51.25 OFF. 16.75' LT.

CROSS REFERENCES
 FOR CROSS SECTIONS SEE SHEETS P.39 - P.57
 FOR INTERSECTION DETAILS SEE SHEETS P.58 - P.60
 FOR DRIVE PROFILES AND DETAILS SEE SHEETS P.61 - P.68
 FOR WATER WORKS SEE SHEETS P.71 - P.75

PROJECT CONSTRUCTION COMPANY
 P.N. 073-329238-00.000
 I.N. 200911090024305
 T.D. = 8.37 AC.
 4666 THORNWOOD DR.

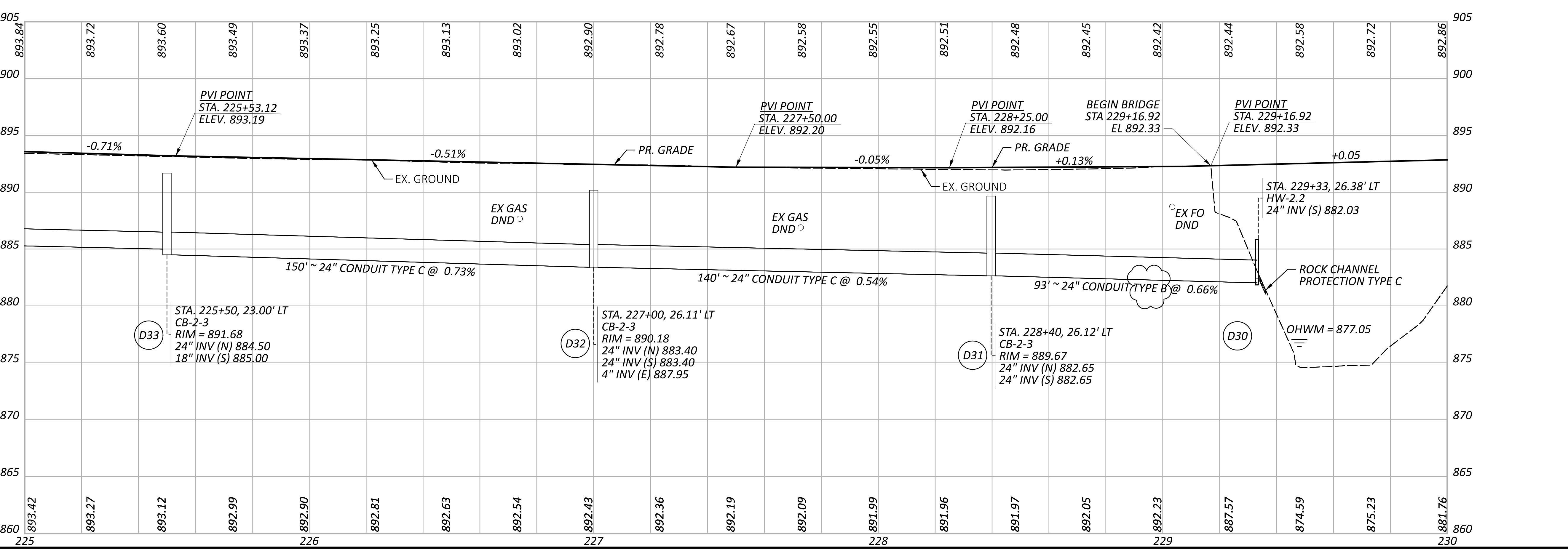
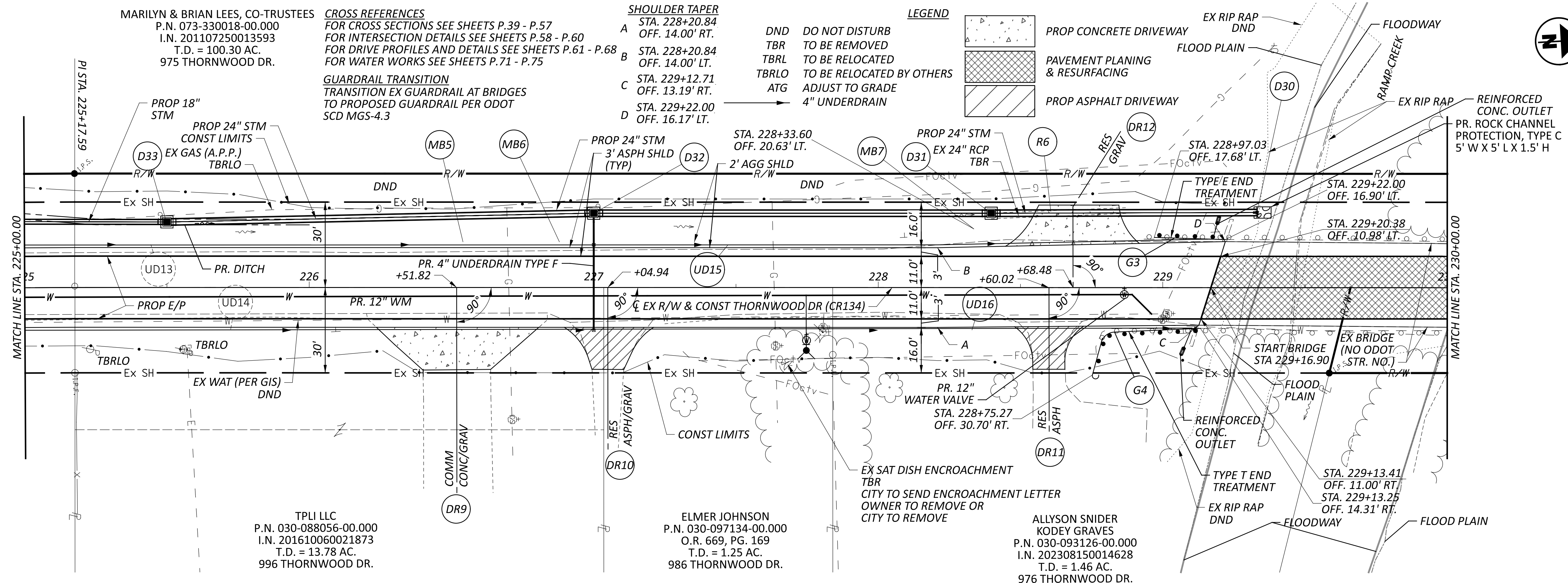
MARILYN W & DAVID A LONG,
 P.N. 097-330018-00.001
 I.N. 202210070024440
 T.D. = 3.67 AC.
 1051 THORNWOOD DR.

LEGEND
 DND DO NOT DISTURB
 TBR TO BE REMOVED
 TBRLO TO BE RELOCATED
 TBRLO TO BE RELOCATED BY OTHERS
 ATG ADJUST TO GRADE
 4" UNDERDRAIN



**PLAN AND PROFILE - THORNWOOD DR
 STA 215+00 TO STA 220+00**

DESIGN AGENCY	
verdantas	
1505 WEST MAIN STREET TEL: 740.344.5461 FAX: 614.362.0023	
DESIGNER	
MRO	
REVIEWER	
SRH 09/16/24	
PROJECT ID	
104792	
SHEET	TOTAL
P.35	P.91



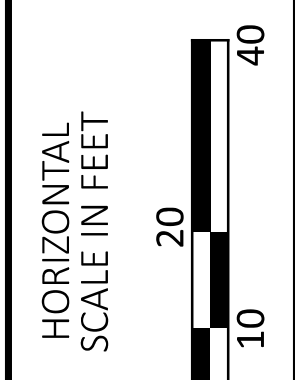
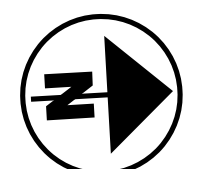
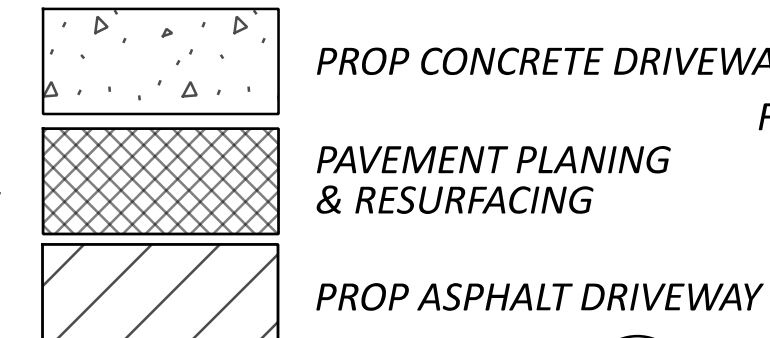
MARILYN & BRIAN LEES, CO-TRUSTEES
 P.N. 073-330018-00.000
 I.N. 201107250013593
 T.D. = 100.30 AC.
 975 THORNWOOD DR.

CROSS REFERENCES
 FOR CROSS SECTIONS SEE SHEETS P.39 - P.57
 FOR INTERSECTION DETAILS SEE SHEETS P.58 - P.60
 FOR DRIVE PROFILES AND DETAILS SEE SHEETS P.61 - P.68
 FOR WATER WORKS SEE SHEETS P.71 - P.75

GUARDRAIL TRANSITION
 TRANSITION EX GUARDRAIL AT BRIDGES
 TO PROPOSED GUARDRAIL PER ODOT
 SCD MGS-4.3

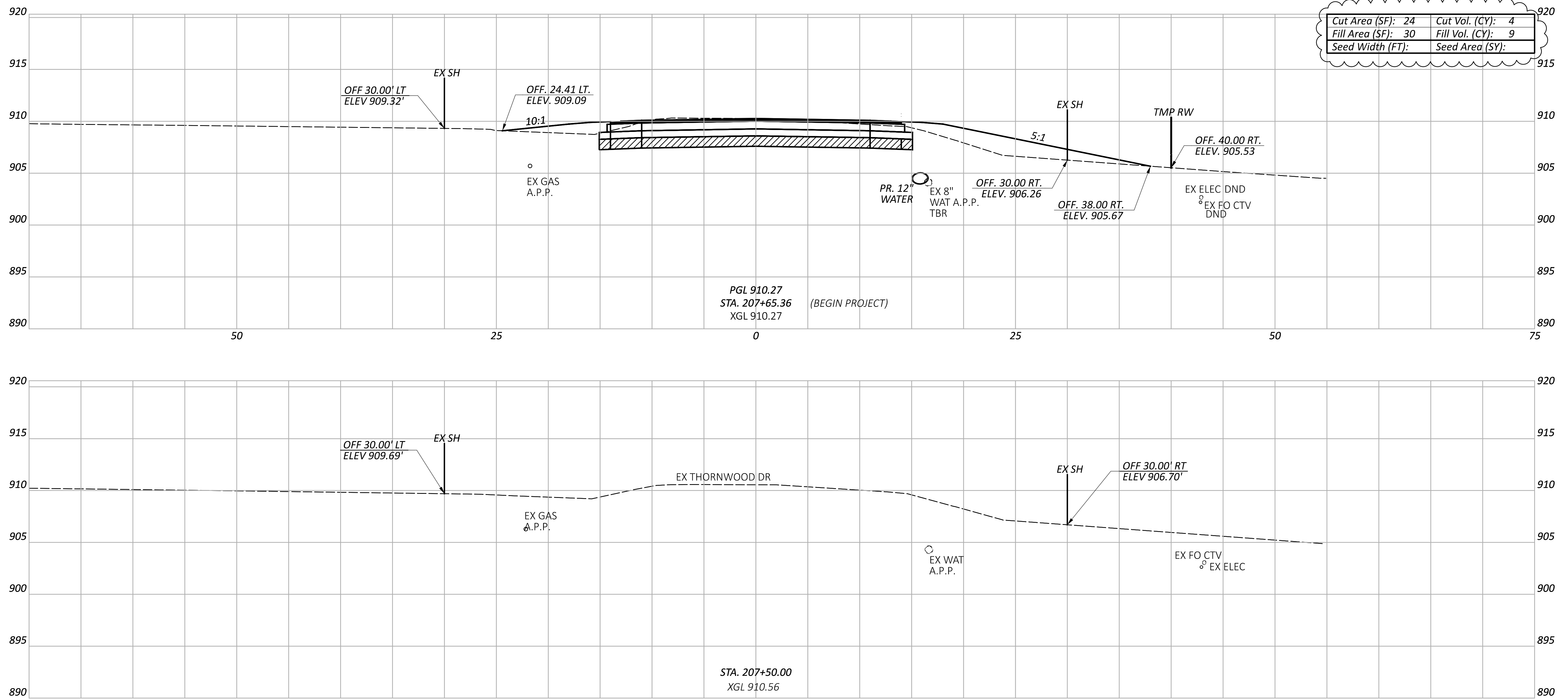
SHOULDER TAPER
 A STA. 228+20.84
 OFF. 14.00' RT.
 B STA. 228+20.84
 OFF. 14.00' LT.
 C STA. 229+22.00
 OFF. 13.19' RT.
 D STA. 229+22.00
 OFF. 16.17' LT.

LEGEND
 DND DO NOT DISTURB
 TBR TO BE REMOVED
 TBRLO TO BE RELOCATED
 TBRLO TO BE RELOCATED BY OTHERS
 ATG ADJUST TO GRADE
 4" UNDERDRAIN



**PLAN AND PROFILE - THORNWOOD DR
 STA 225+00 TO STA 230+00**

DESIGN AGENCY	verdantas
DESIGNER	MRO
REVIEWER	SRH 09/16/24
PROJECT ID	104792
SHEET	P.37
TOTAL	P.91



Cut Area (SF):	24	Cut Vol. (CY):	4
Fill Area (SF):	30	Fill Vol. (CY):	9
Seed Width (FT):		Seed Area (SY):	

CROSS SECTION TOTALS	
EXCAVATION	EMBANKMENT
2069 CY	1034 CY

Sheet Totals		
Seeding	Cut	Fill
.	4	9

ITEM 206 - CEMENT
 ITEM 206 - CURING COAT
 ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP

CROSS SECTIONS - THORNWOOD DR
 STA 207+50 TO STA 207+65.36

DESIGN AGENCY

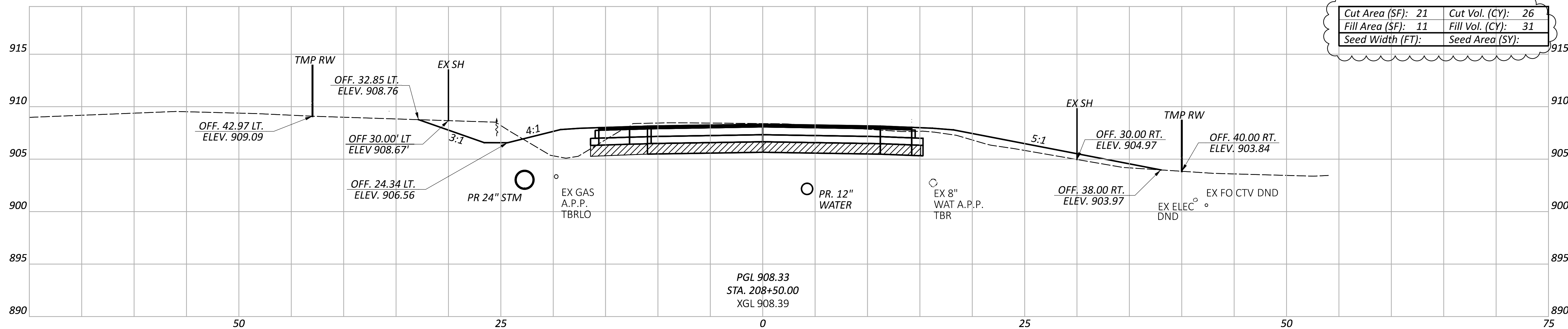
 1555 WEST MAIN ST
 NEWARK, OHIO 43055

DESIGNER
MRO

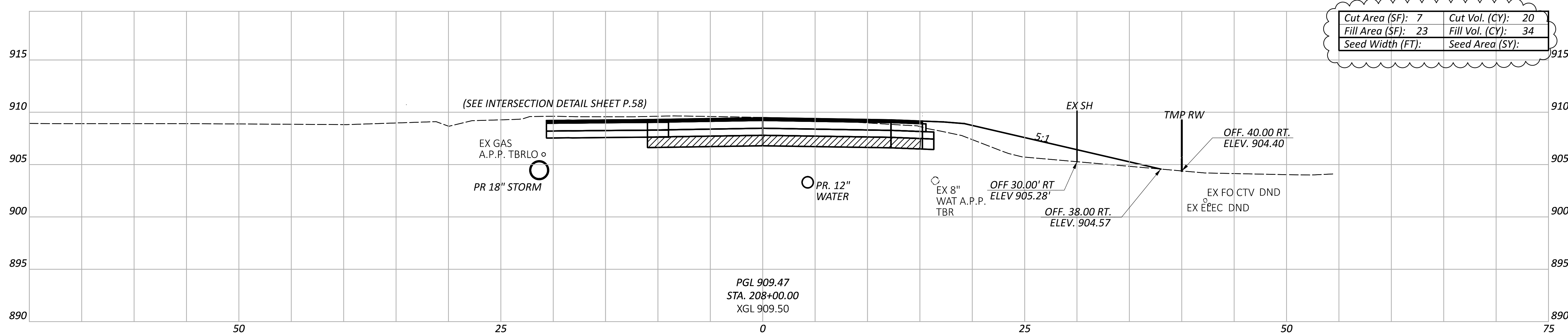
REVIEWER
 SRH 09/16/24

PROJECT ID
 104792

SHEET TOTAL
 P.39 P.91



Cut Area (SF):	21	Cut Vol. (CY):	26
Fill Area (SF):	11	Fill Vol. (CY):	31
Seed Width (FT):		Seed Area (SY):	



Cut Area (SF):	7	Cut Vol. (CY):	20
Fill Area (SF):	23	Fill Vol. (CY):	34
Seed Width (FT):		Seed Area (SY):	

Sheet Totals		
Seeding	Cut	Fill
·	46	65

ITEM 206 - CEMENT
 ITEM 206 - CURING COAT
 ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP

CROSS SECTIONS - THORNWOOD DR
 STA 208+00 TO STA 208+50

DESIGN AGENCY

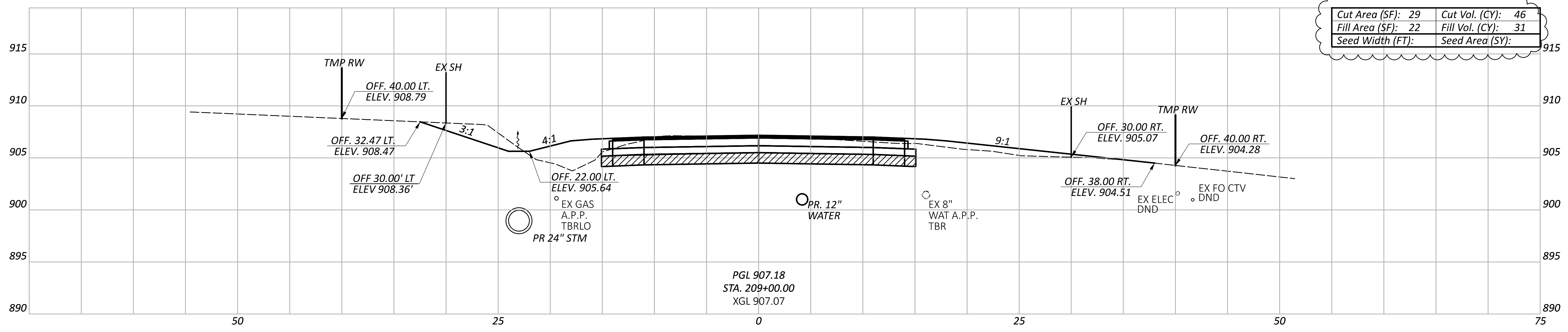
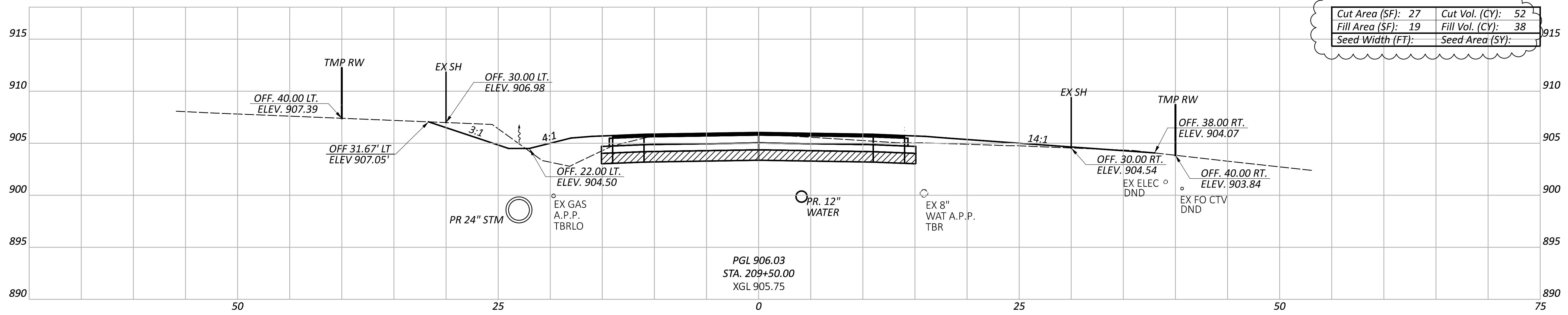
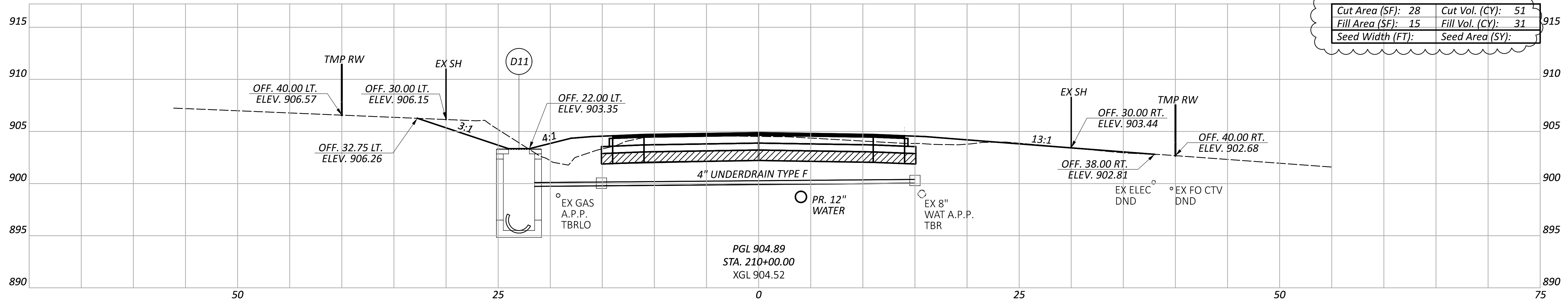
 1565 WEST MAIN ST
 NEWARK, OHIO 43055

DESIGNER
MRO

REVIEWER
 SRH 09/16/24

PROJECT ID
 104792

SHEET TOTAL
 P.40 P.91



CROSS SECTIONS - THORNWOOD DR
 STA 209+00 TO STA 210+00

DESIGN AGENCY
verdantais
 PEOPLE FOCUSED FUTURE
 1555 WEST MAIN ST
 NEWARK, OHIO 43055

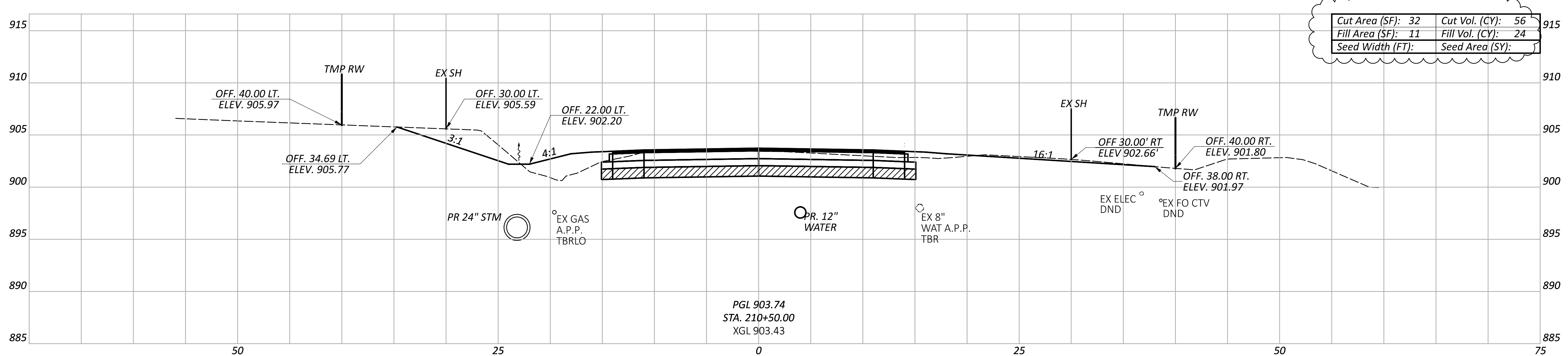
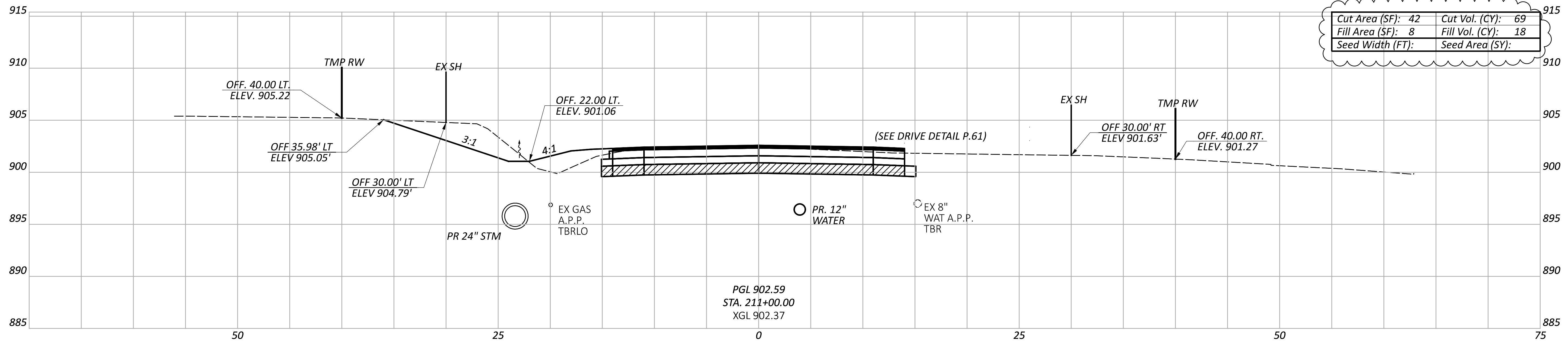
DESIGNER
MRO

REVIEWER
SRH 09/16/24

PROJECT ID
104792

Sheet Totals		
Seeding	Cut	Fill
·	149	100

ITEM 206 - CEMENT
 ITEM 206 - CURING COAT
 ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP



CROSS SECTIONS - THORNWOOD DR
 STA 210+50 TO STA 211+00

DESIGN AGENCY

 1555 WEST MAIN ST
 NEWARK, OHIO 43055

DESIGNER
MRO

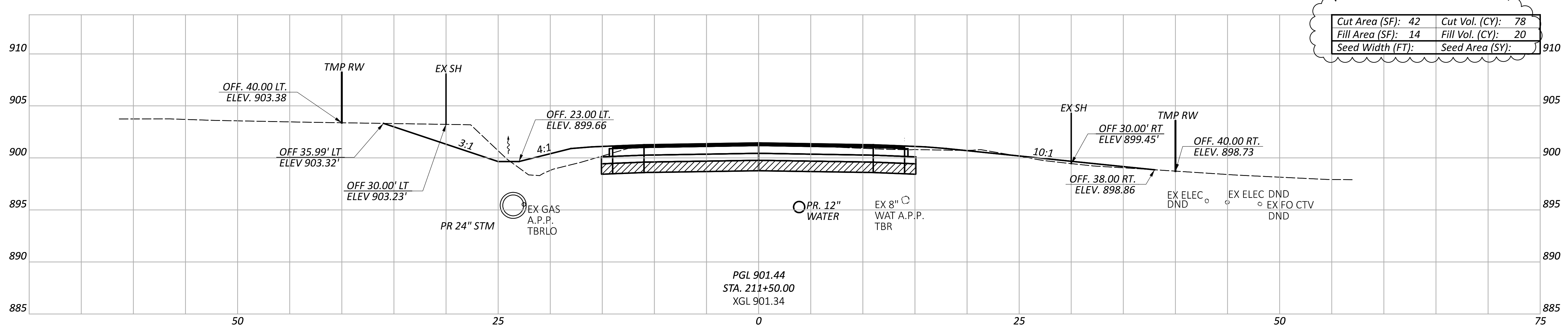
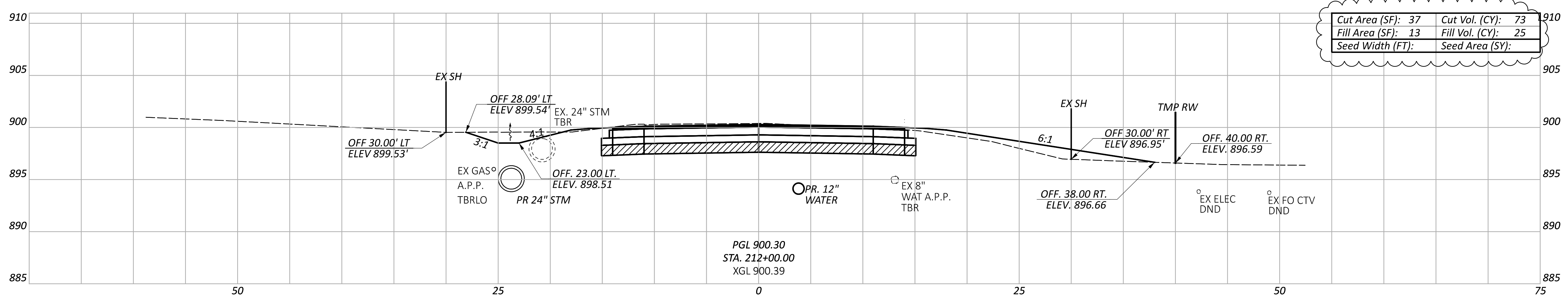
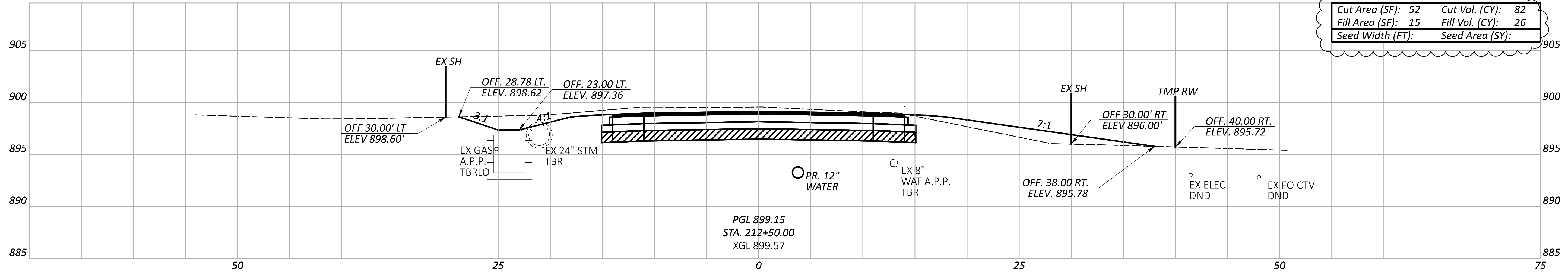
REVIEWER
SRH 09/16/24

PROJECT ID
104792

ITEM 206 - CEMENT
 ITEM 206 - CURING COAT
 ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP

Sheet Totals		
Seeding	Cut	Fill
·	125	42

SHEET	P.42	TOTAL	P.91
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CROSS SECTIONS - THORNWOOD DR
 STA 211+50 TO STA 212+50

DESIGN AGENCY
verdantas
 PEOPLE. PROJECTS. PARTNER.
 1555 WEST MAIN ST
 NEWARK, OHIO 43055

DESIGNER
MRO

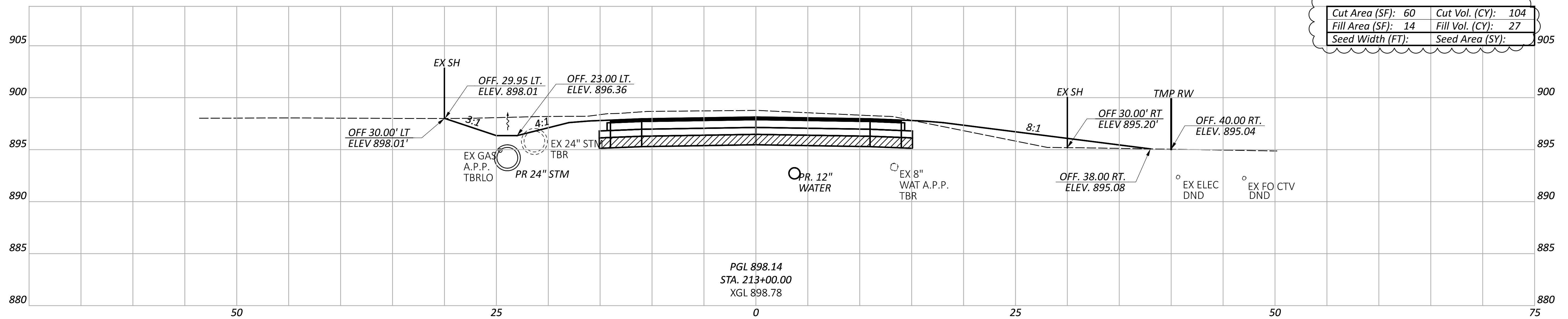
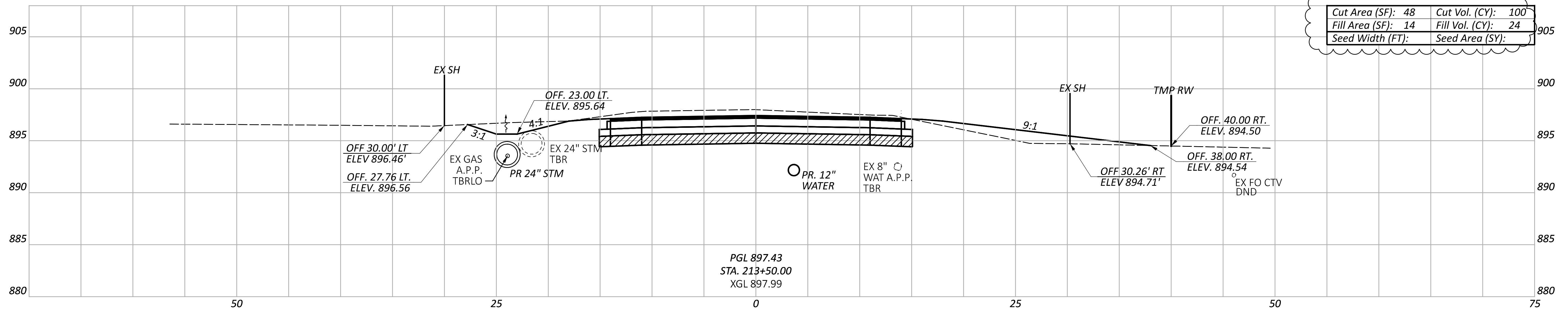
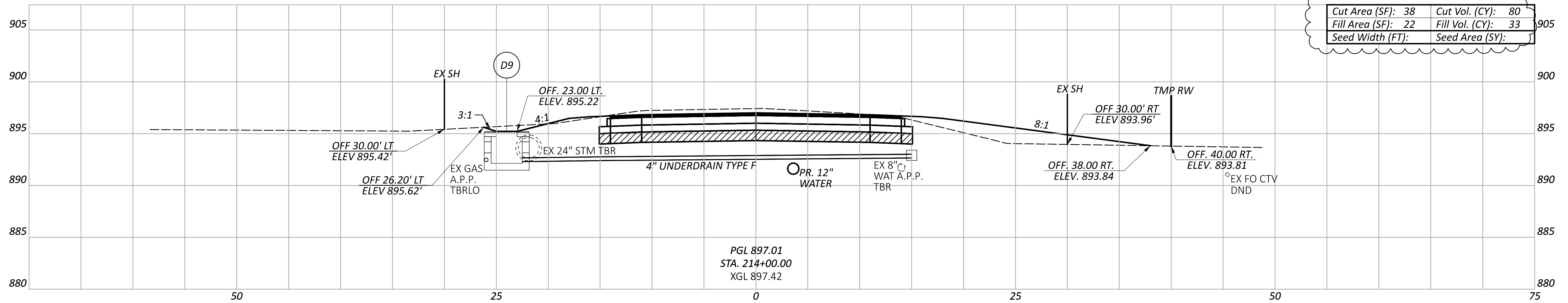
REVIEWER
 SRH 09/16/24

PROJECT ID
 104792


ITEM 206 - CEMENT
 ITEM 206 - CURING COAT
 ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP

Sheet Totals		
Seeding	Cut	Fill
·	233	71

SHEET	TOTAL
P.43	P.91



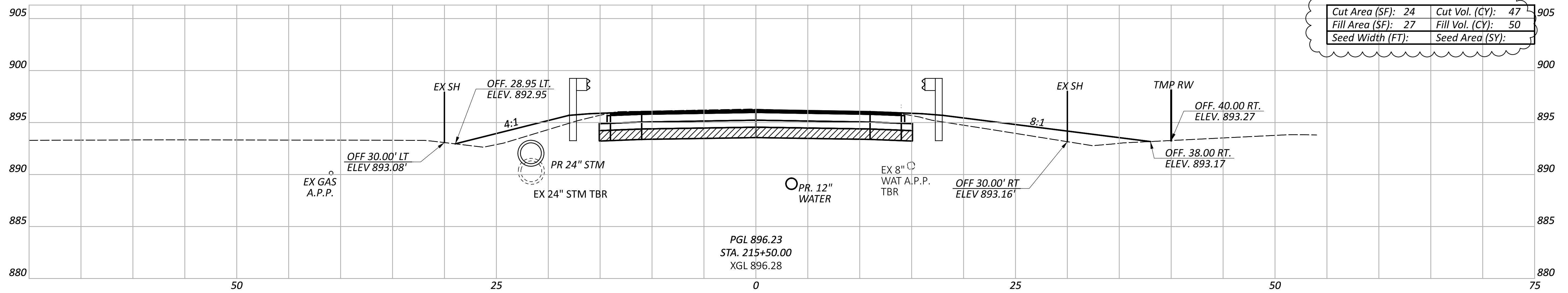
CROSS SECTIONS - THORNWOOD DR
 STA 213+00 TO STA 214+00

DESIGN AGENCY

 1555 WEST MAIN ST
 NEWARK, OHIO 43065
 DESIGNER
MRO
 REVIEWER
 SRH 09/16/24
 PROJECT ID
 104792

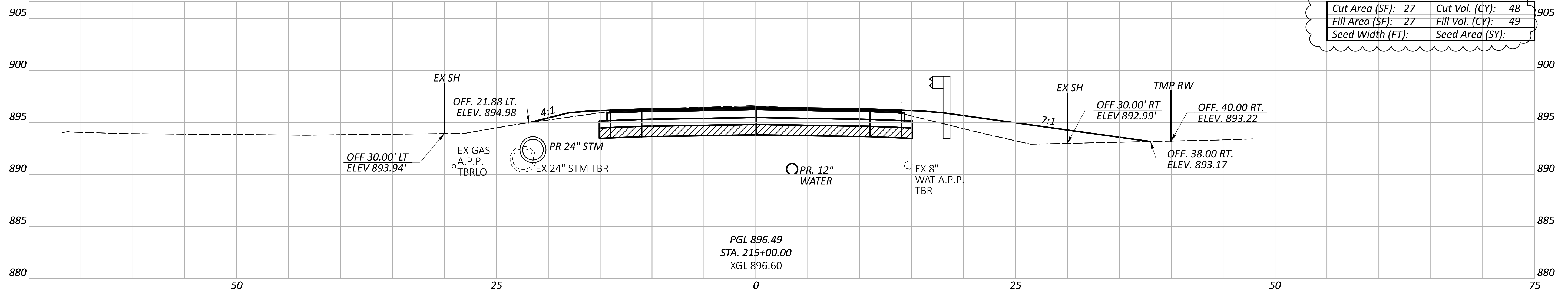
ITEM 206 - CEMENT
 ITEM 206 - CURING COAT
 ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP

Sheet Totals		
Seeding	Cut	Fill
·	284	84

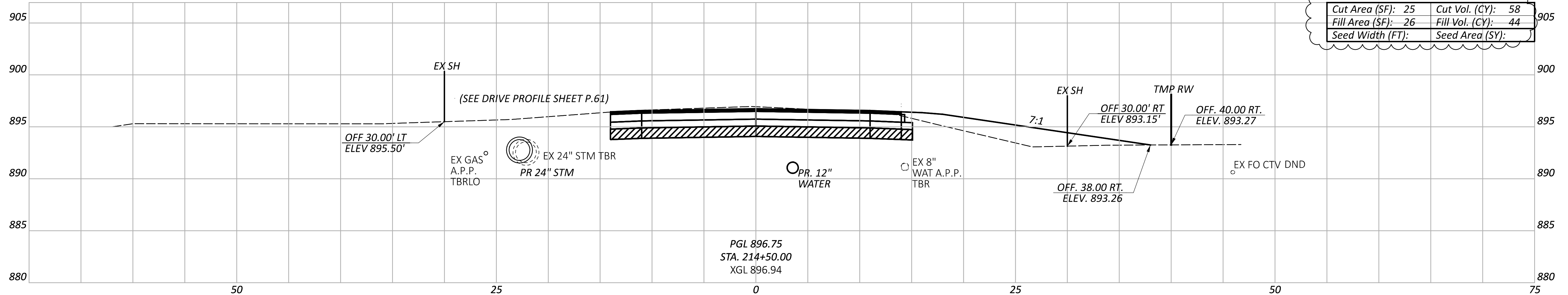
SHEET	TOTAL
P.44	P.91



Cut Area (SF):	24	Cut Vol. (CY):	47
Fill Area (SF):	27	Fill Vol. (CY):	50
Seed Width (FT):		Seed Area (SY):	



Cut Area (SF):	27	Cut Vol. (CY):	48
Fill Area (SF):	27	Fill Vol. (CY):	49
Seed Width (FT):		Seed Area (SY):	



Cut Area (SF):	25	Cut Vol. (CY):	58
Fill Area (SF):	26	Fill Vol. (CY):	44
Seed Width (FT):		Seed Area (SY):	

CROSS SECTIONS - THORNWOOD DR
 STA 214+50 TO STA 215+50

DESIGN AGENCY
verdantus
 1565 WEST MAIN ST
 NEWARK, OHIO 43055

DESIGNER
MRO

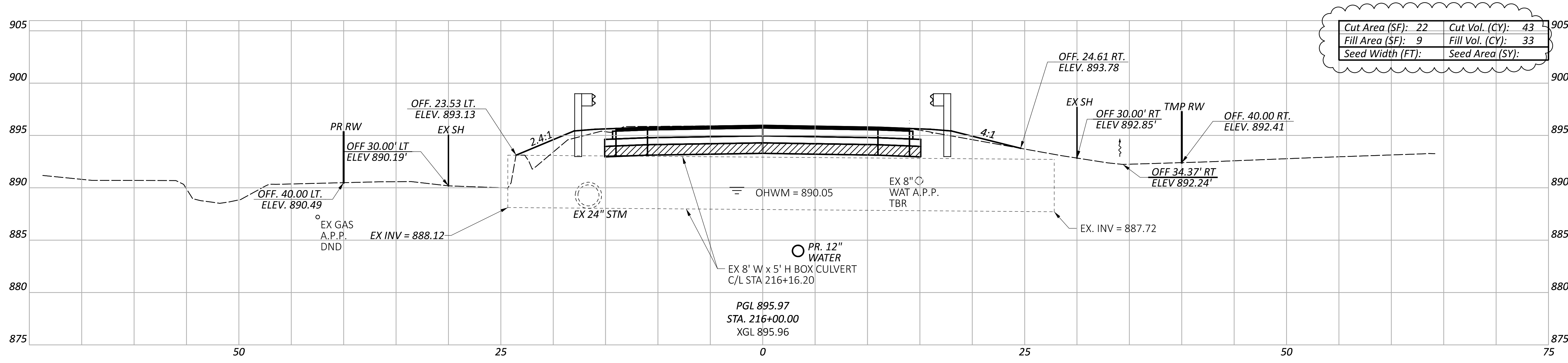
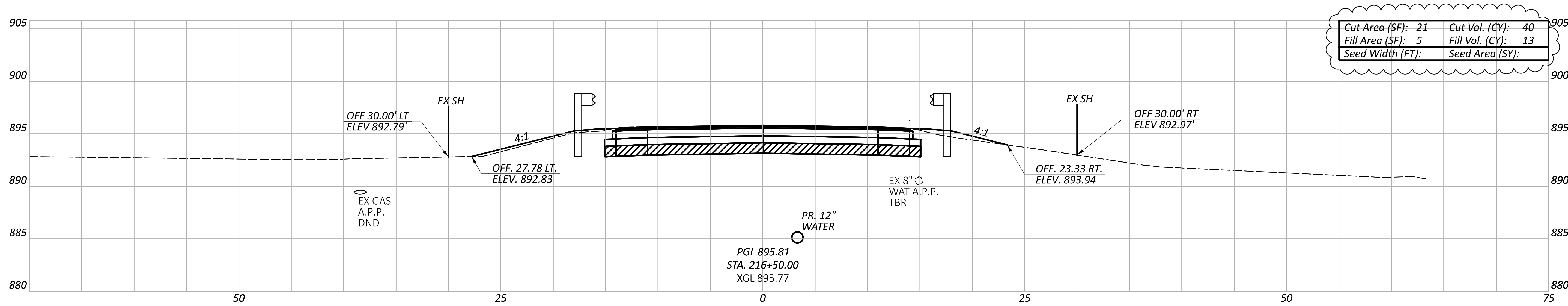
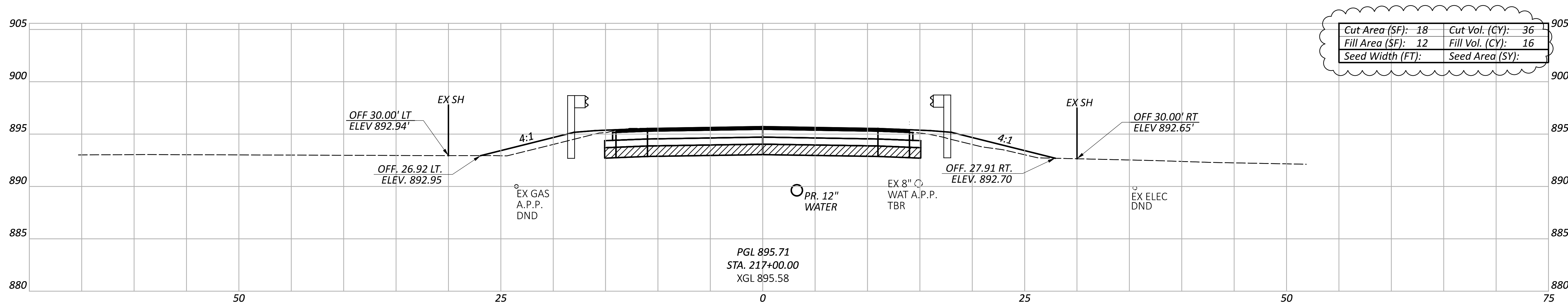
REVIEWER
SRH

DATE
09/16/24

PROJECT ID
104792

ITEM 206 - CEMENT
 ITEM 206 - CURING COAT
 ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP

Sheet Totals		
Seeding	Cut	Fill
·	153	143
SHEET	TOTAL	
P.45	P.91	



Sheet Totals		
Seeding	Cut	Fill
•	119	62

ITEM 206 - CEMENT
 ITEM 206 - CURING COAT
 ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP

CROSS SECTIONS - THORNWOOD DR
 STA 216+00 TO STA 217+00

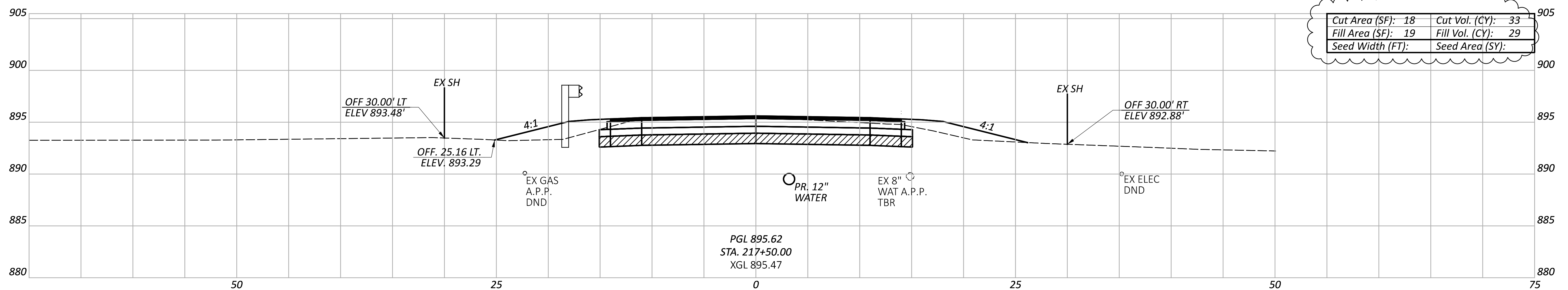
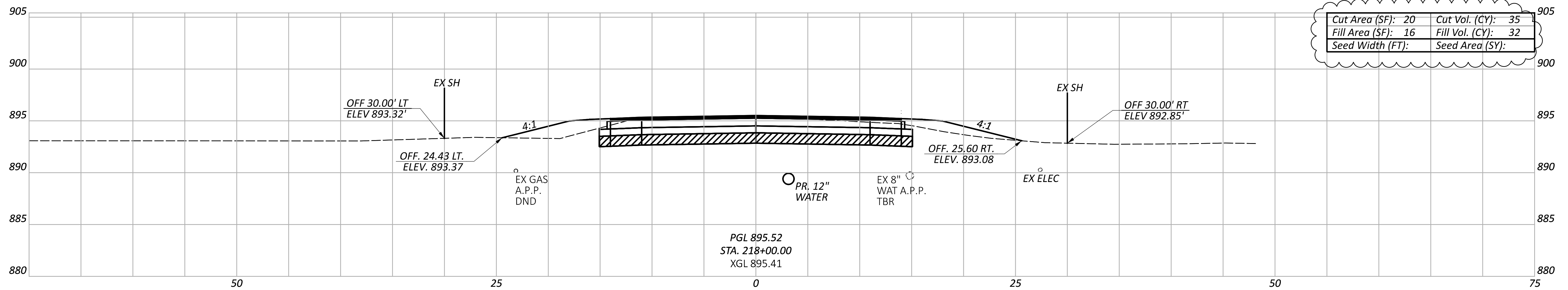
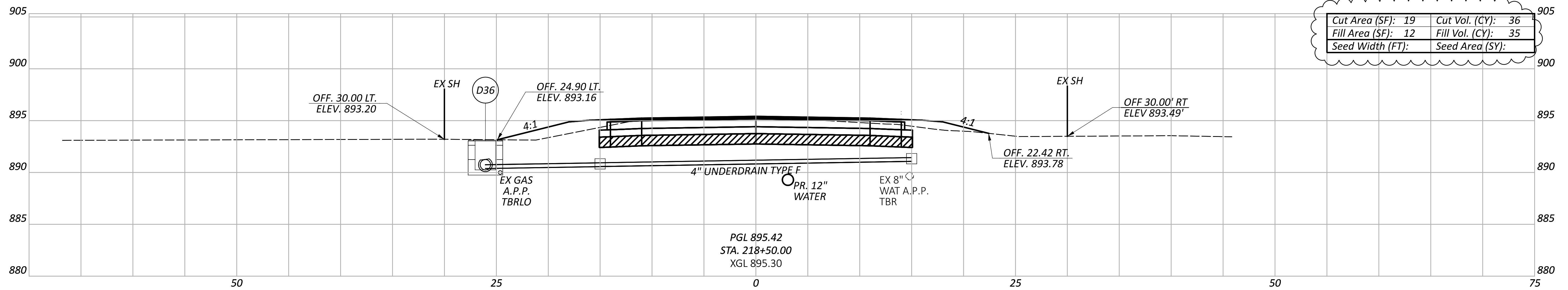
DESIGN AGENCY
verdantia
 1555 WEST MAIN ST
 NEWARK, OHIO 43055

DESIGNER
MRO

REVIEWER
 SRH 09/16/24

PROJECT ID
 104792

SHEET TOTAL
 P.46 P.91



CROSS SECTIONS - THORNWOOD DR
 STA 217+50 TO STA 218+50

DESIGN AGENCY



DESIGNER

MRO

REVIEWER

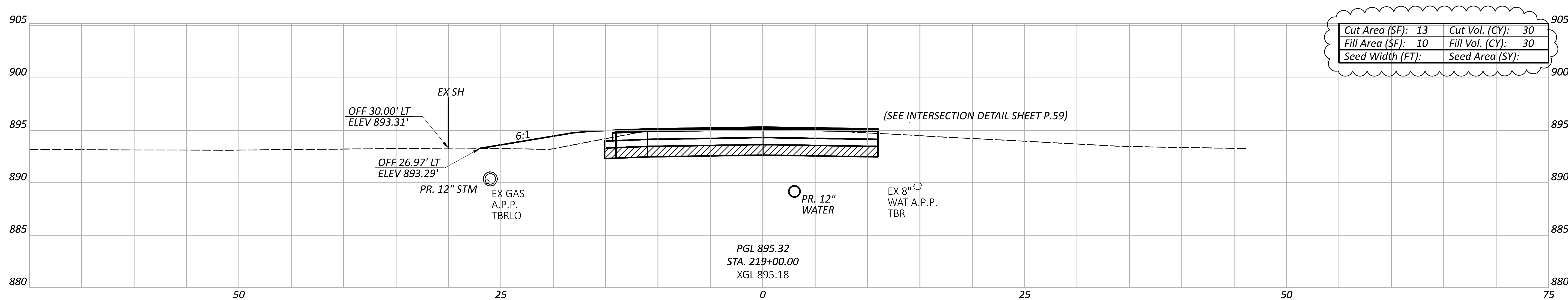
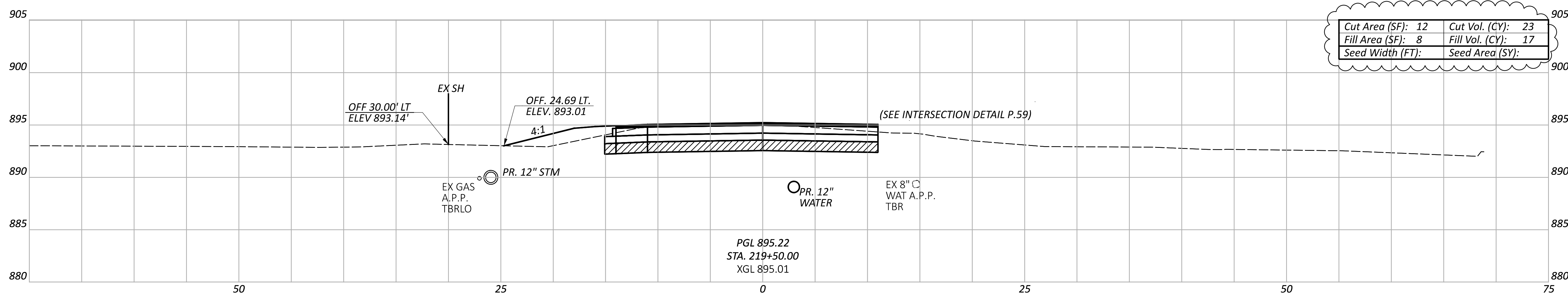
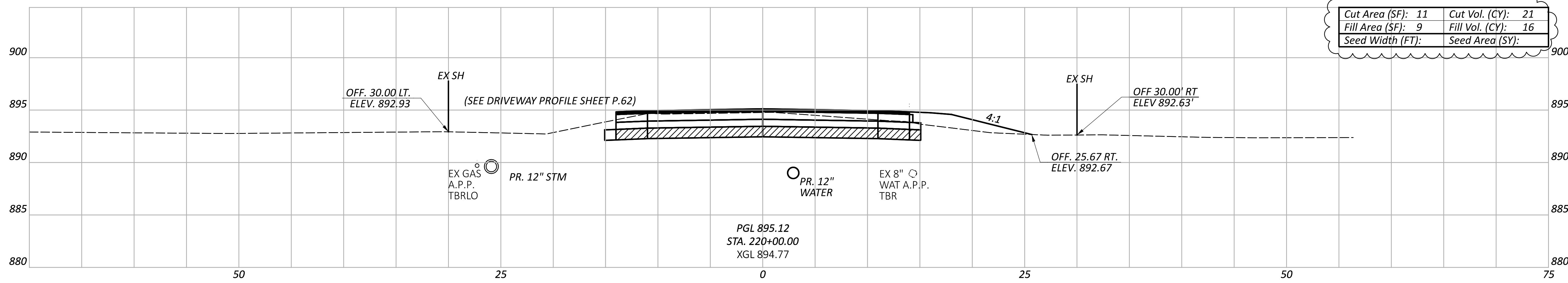
SRH 09/16/24

PROJECT ID

104792

ITEM 206 - CEMENT
 ITEM 206 - CURING COAT
 ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP

Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill		
·	104	61	P.47	P.91

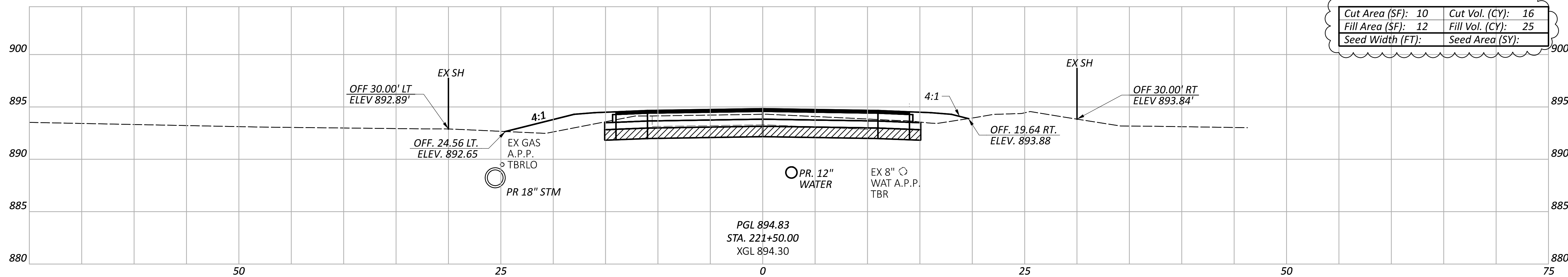


CROSS SECTIONS - THORNWOOD DR
 STA 219+00 TO STA 220+00

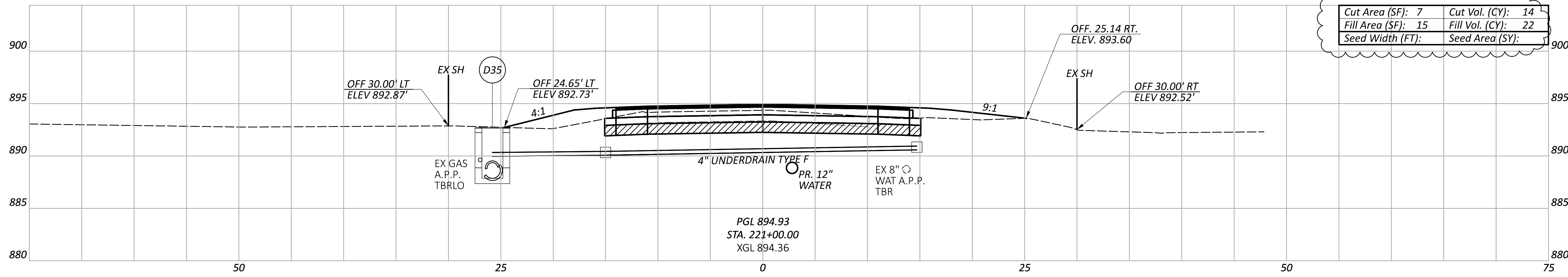
DESIGN AGENCY	verdantas
DESIGNER	MRO
REVIEWER	SRH
PROJECT ID	104792
SHEET TOTAL	P.48 P.91

ITEM 206 - CEMENT
 ITEM 206 - CURING COAT
 ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP

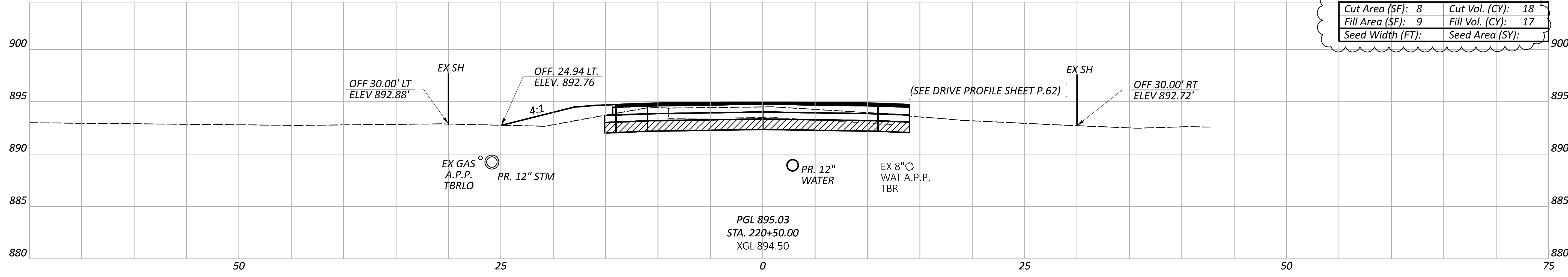
Sheet Totals		
Seeding	Cut	Fill
.	74	63



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Fill Area (SF):	12	Fill Vol. (CY):	25
Seed Width (FT):		Seed Area (SY):	



Cut Area (SF):	7	Cut Vol. (CY):	14
Fill Area (SF):	15	Fill Vol. (CY):	22
Seed Width (FT):		Seed Area (SY):	



Cut Area (SF):	8	Cut Vol. (CY):	18
Fill Area (SF):	9	Fill Vol. (CY):	17
Seed Width (FT):		Seed Area (SY):	

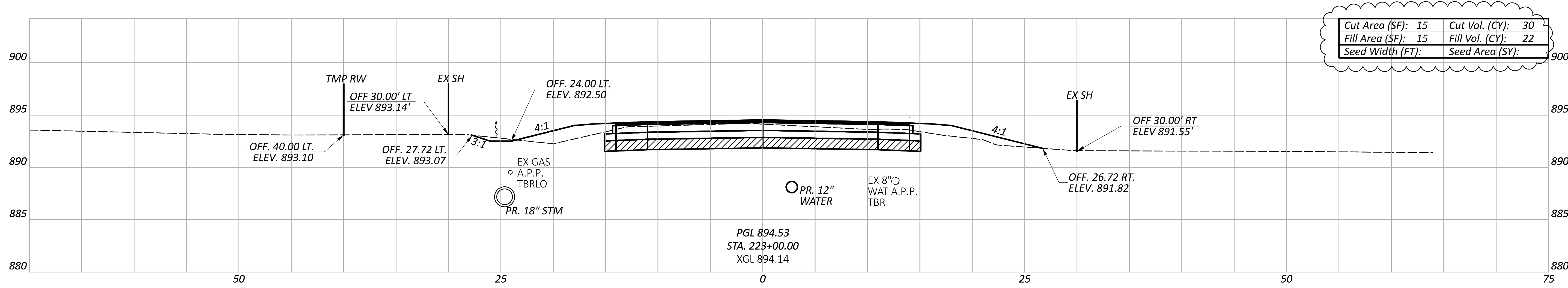
CROSS SECTIONS - THORNWOOD DR
 STA 220+50 TO STA 221+50

DESIGNER

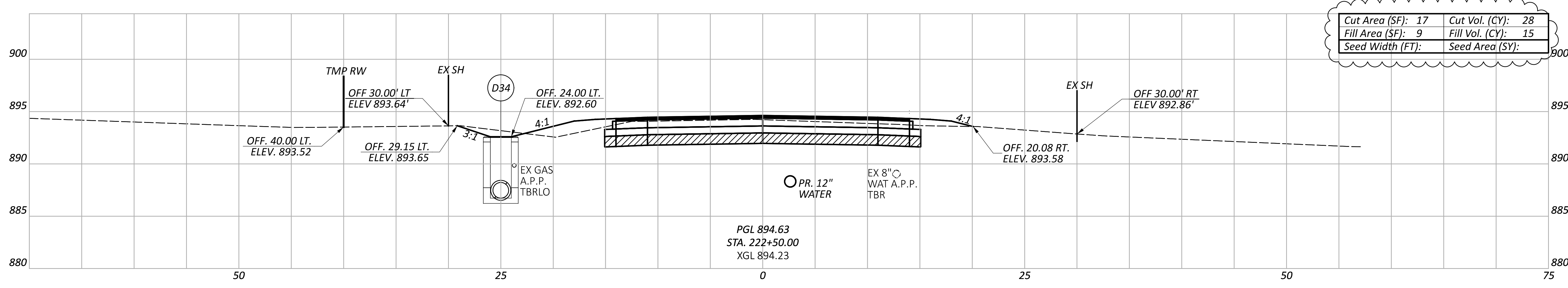
 MRO
 REVIEWER
 SRH 09/16/24
 PROJECT ID
 104792

ITEM 206 - CEMENT
 ITEM 206 - CURING COAT
 ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP

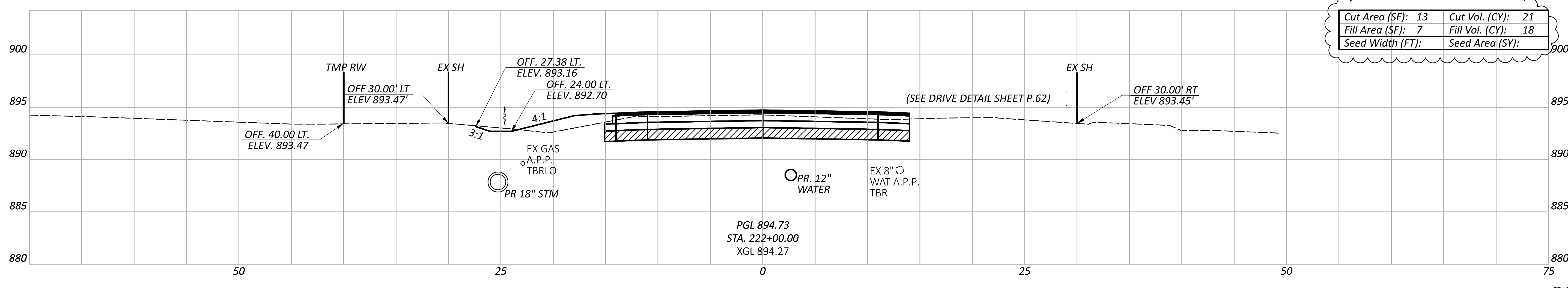
Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill		
·	48	64	P.49	P.91



Cut Area (SF):	15	Cut Vol. (CY):	30
Fill Area (SF):	15	Fill Vol. (CY):	22
Seed Width (FT):		Seed Area (SY):	



Cut Area (SF):	17	Cut Vol. (CY):	28
Fill Area (SF):	9	Fill Vol. (CY):	15
Seed Width (FT):		Seed Area (SY):	

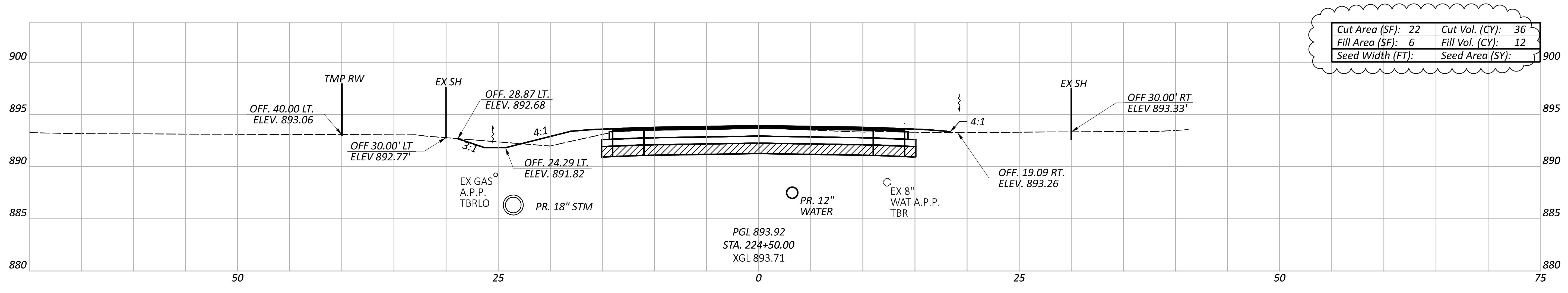


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Fill Area (SF):	7	Fill Vol. (CY):	18
Seed Width (FT):		Seed Area (SY):	

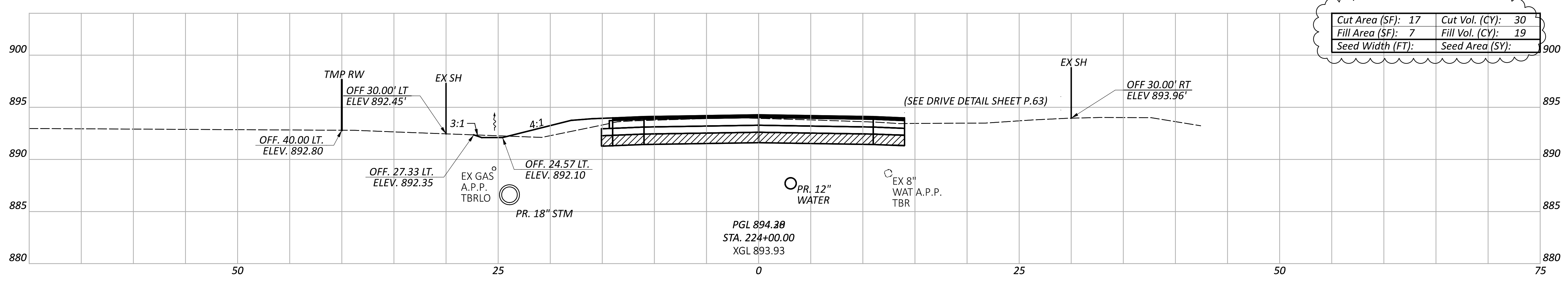
CROSS SECTIONS - THORNWOOD DR
 STA 222+00 TO STA 223+00

DESIGN AGENCY
verdantia
 1555 WEST MAIN ST
 NEWARK, OHIO 43055
 DESIGNER
MRO
 REVIEWER
SRH 09/16/24
 PROJECT ID
104792

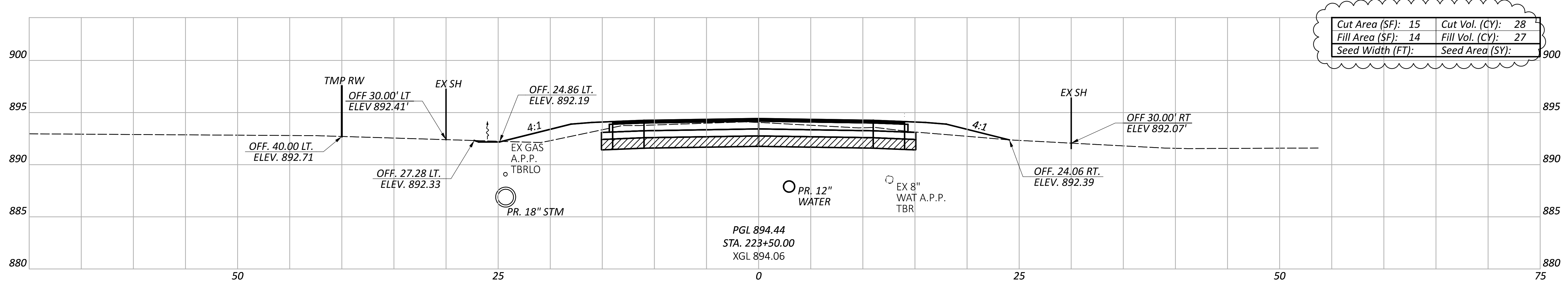
ITEM 206 - CEMENT			Sheet Totals	
ITEM 206 - CURING COAT			Seeding	Cut
ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP			79	55
			Fill	TOTAL
			55	P.50
				P.91



Cut Area (SF):	22	Cut Vol. (CY):	36
Fill Area (SF):	6	Fill Vol. (CY):	12
Seed Width (FT):		Seed Area (SY):	



Cut Area (SF):	17	Cut Vol. (CY):	30
Fill Area (SF):	7	Fill Vol. (CY):	19
Seed Width (FT):		Seed Area (SY):	



Cut Area (SF):	15	Cut Vol. (CY):	28
Fill Area (SF):	14	Fill Vol. (CY):	27
Seed Width (FT):		Seed Area (SY):	

CROSS SECTIONS - THORNWOOD DR
 STA 223+50 TO STA 224+50

DESIGN AGENCY
verdantais
 1555 WEST MAIN ST
 NEWARK, OHIO 43025

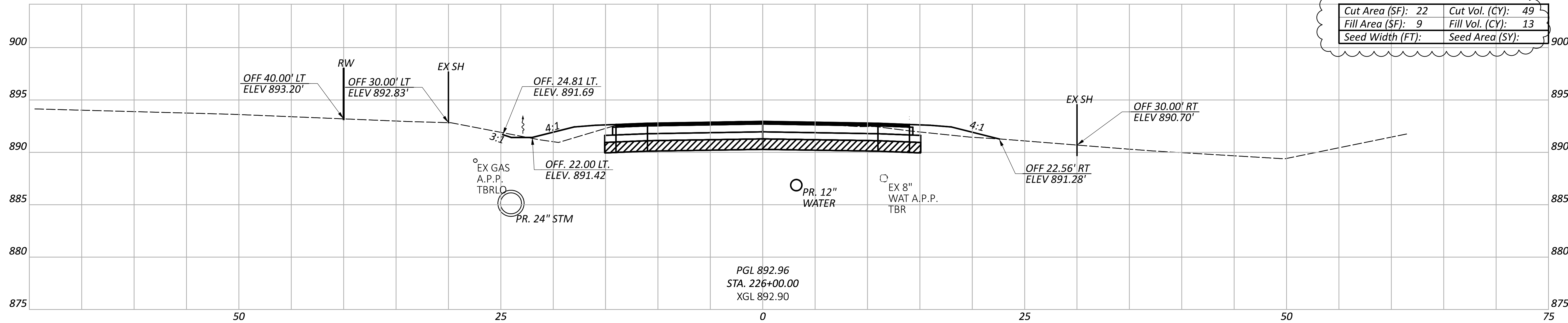
DESIGNER
MRO

REVIEWER
SRH 09/16/24

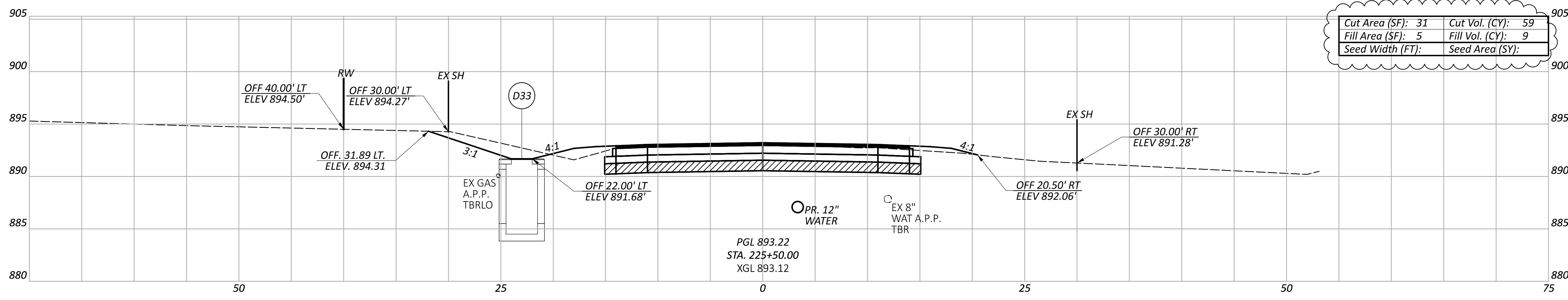
PROJECT ID
104792

ITEM 206 - CEMENT
 ITEM 206 - CURING COAT
 ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP

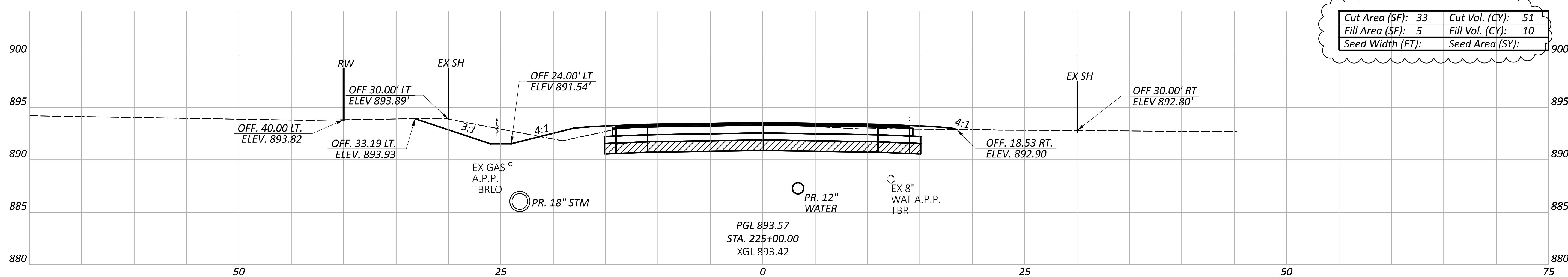
Sheet Totals		
Seeding	Cut	Fill
.	94	58
SHEET	TOTAL	
P.51	P.91	



PGL 892.96
 STA. 226+00.00
 XGL 892.90




PGL 893.22
 STA. 225+50.00
 XGL 893.12



PGL 893.57
 STA. 225+00.00
 XGL 893.42

CROSS SECTIONS - THORNWOOD DR
 STA 225+00 TO STA 226+00

DESIGN AGENCY

 1555 WEST MAIN ST
 NEWARK, OHIO 43055

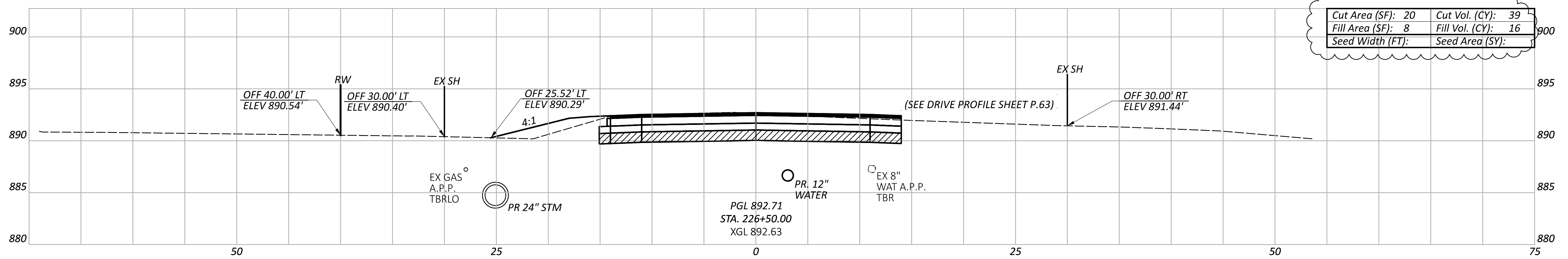
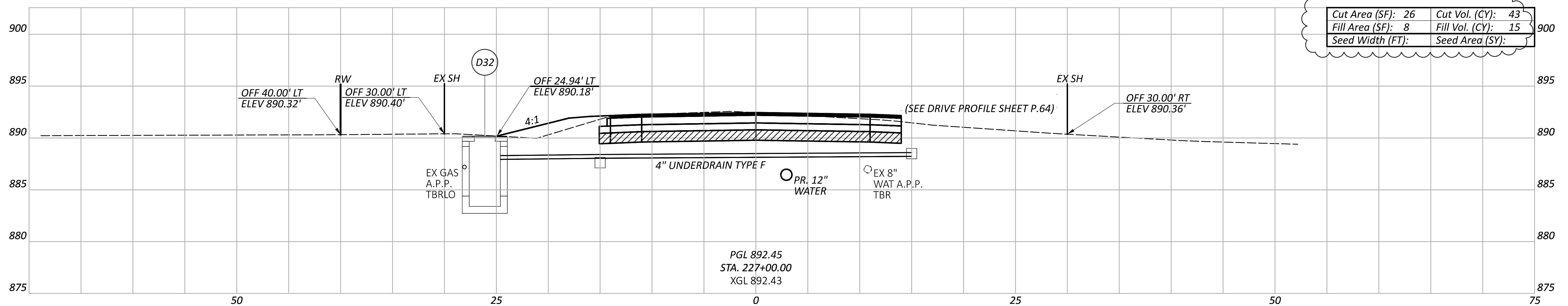
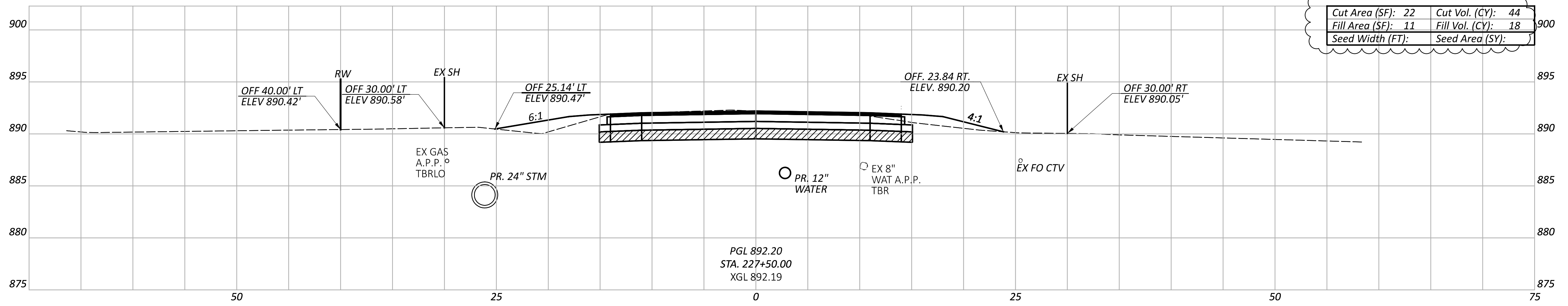
DESIGNER
MRO

REVIEWER
 SRH 09/16/24

PROJECT ID
 104792

ITEM 206 - CEMENT
 ITEM 206 - CURING COAT
 ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP

Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill		
·	159	32	P.52	P.91

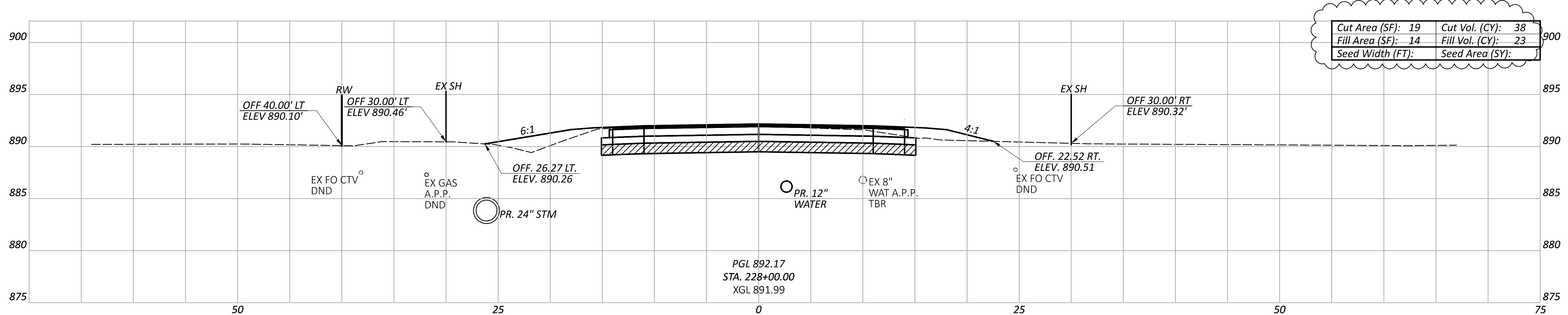
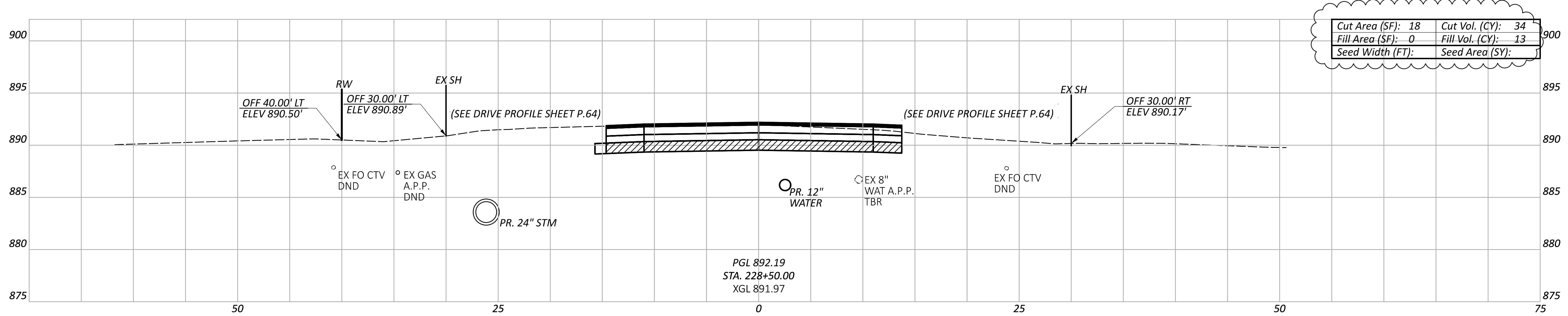
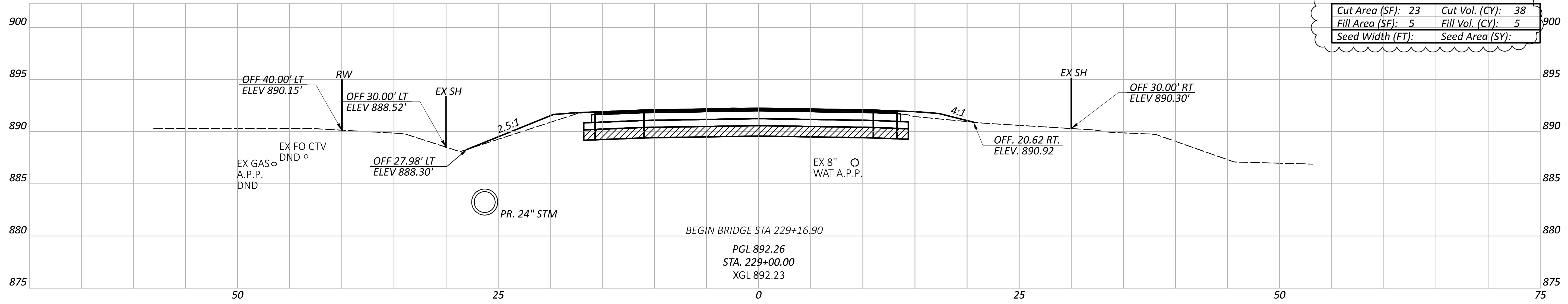


CROSS SECTIONS - THORNWOOD DR
 STA 226+50 TO STA 227+50

DESIGN AGENCY	verdantus ROAD • RAIL • UTILITIES
DESIGNER	MRO
REVIEWER	SRH 09/16/24
PROJECT ID	104792
SHEET TOTAL	P.53 P.91

ITEM 206 - CEMENT
 ITEM 206 - CURING COAT
 ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP

Sheet Totals		
Seeding	Cut	Fill
•	126	49



CROSS SECTIONS - THORNWOOD DR
 STA 228+00 TO STA 229+00

DESIGN AGENCY
 VERDANTAS
 1555 WEST MAIN ST
 NEWARK, OHIO 43055

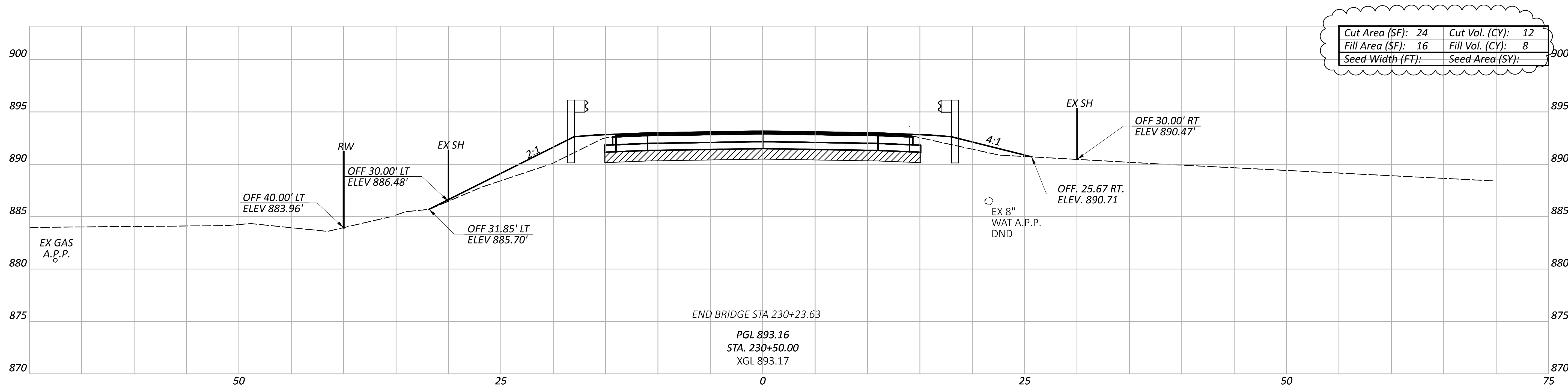
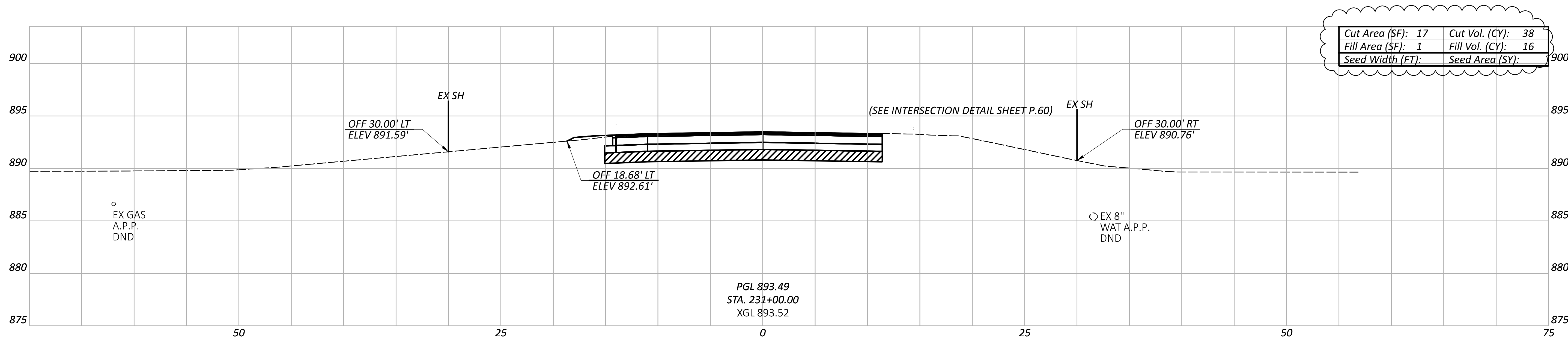
DESIGNER
 MRO

REVIEWER
 SRH 09/16/24

PROJECT ID
 104792

ITEM 206 - CEMENT
 ITEM 206 - CURING COAT
 ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP

Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill		
•	110	41	P.54	P.91



ITEM 206 - CEMENT
 ITEM 206 - CURING COAT
 ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP

Sheet Totals		
Seeding	Cut	Fill
·	50	24

CROSS SECTIONS - THORNWOOD DR
 STA 230+50 TO STA 231+00

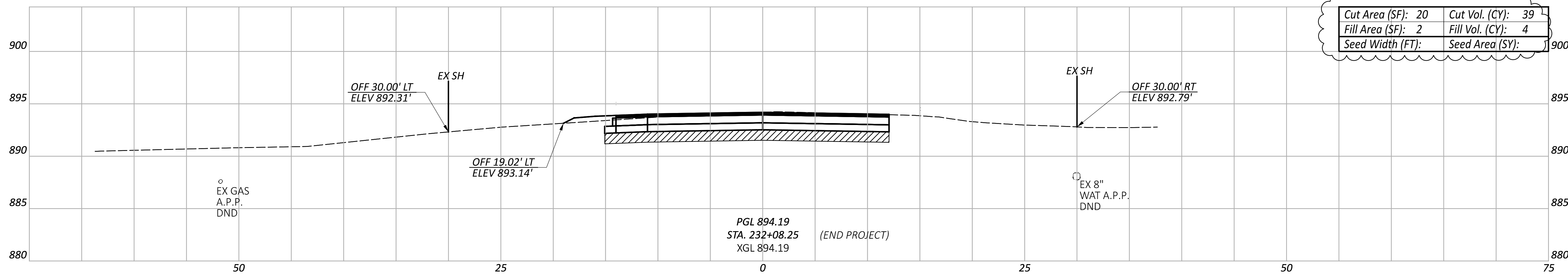
DESIGN AGENCY
verdantus
 1555 WEST MAIN ST
 NEWARK, OHIO 43055

DESIGNER
MRO

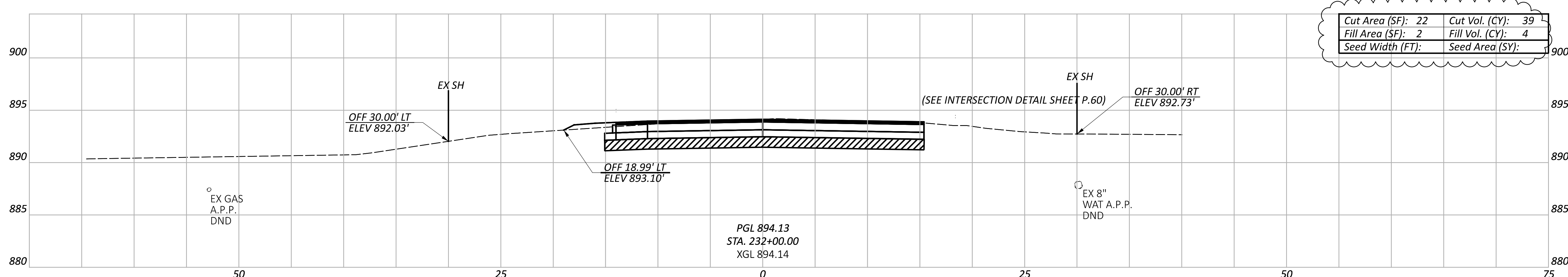
REVIEWER
SRH

PROJECT ID
104792

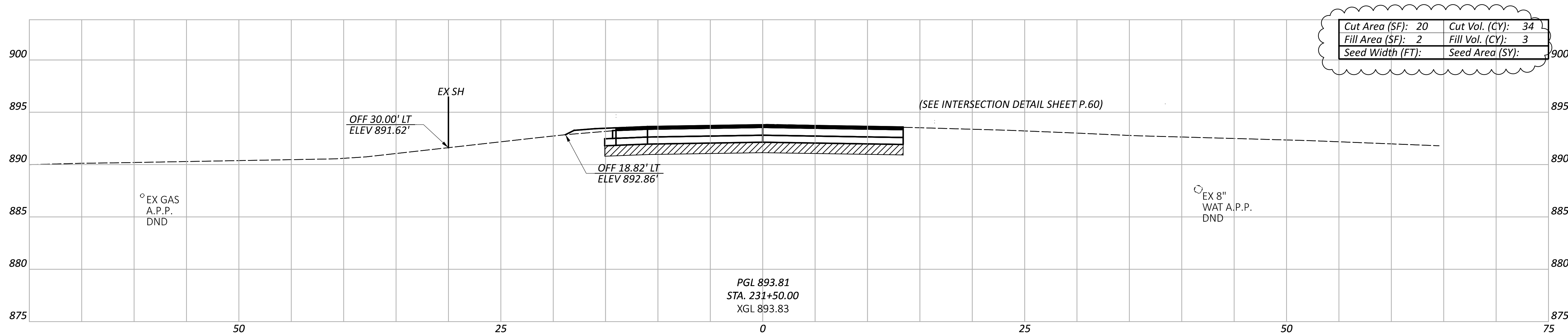
SHEET TOTAL
 P.55 P.91



Cut Area (SF):	20	Cut Vol. (CY):	39
Fill Area (SF):	2	Fill Vol. (CY):	4
Seed Width (FT):		Seed Area (SY):	

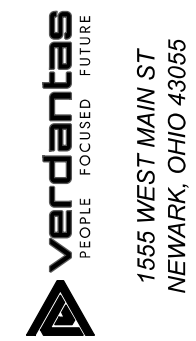


Cut Area (SF):	22	Cut Vol. (CY):	39
Fill Area (SF):	2	Fill Vol. (CY):	4
Seed Width (FT):		Seed Area (SY):	



Cut Area (SF):	20	Cut Vol. (CY):	34
Fill Area (SF):	2	Fill Vol. (CY):	3
Seed Width (FT):		Seed Area (SY):	

CROSS SECTIONS - THORNWOOD DR
 STA 231+50 TO STA 232+08.25

DESIGN AGENCY

 1555 WEST MAIN ST
 NEWARK, OHIO 43055
 DESIGNER
MRO
 REVIEWER
 SRH 09/16/24
 PROJECT ID
 104792

ITEM 206 - CEMENT
 ITEM 206 - CURING COAT
 ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP

Sheet Totals		
Seeding	Cut	Fill
•	112	11
SHEET	TOTAL	
P.56	P.91	