

EARTHWORK SUMMARY

TOTALS CARRIED FROM	ALIGNMENT	203	203
		EXCAVATION	EMBANKMENT
		CY	CY
P.329	IR-71	6,728	2,826
P.364	RAMP M	11,625	2,935
P.384	RAMP P	5,201	5,786
P.402	RAMP K	1,154	11,996
P.419	RAMP O	1,536	8495
P.423	RAMP N	229	33
P.471	RAMP Q	8,256	9,205
GRAND TOTALS CARRIED TO GENERAL SUMMARY		34,729	41,276

ITEM SPECIAL - PIPE CLEANOUT

THIS WORK CONSISTS OF REMOVING SEDIMENT AND DEBRIS FROM THE EXISTING TRENCH DRAINS AND STORM SEWER THAT DRAINS THEM. LOCATION IS RAMP M LEFT FROM STA. 83+00 TO STA. 93+00. DISPOSE OF ALL MATERIAL PER 105.16 AND 105.17. CLEAN OUT TO THE APPROVAL OF THE ENGINEER.

CLEANOUT OF THE PIPE IS PAID FOR AT THE UNIT PRICE BID FOR ITEM SPECIAL, PIPE CLEANOUT. THIS PRICE INCLUDES THE COST FOR MATERIAL, EQUIPMENT, LABOR, AND ALL INCIDENTALS REQUIRED TO COMPLETE THE CLEANOUT.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE:

ITEM SPECIAL, PIPE CLEANOUT, 24" AND UNDER 1400 FT.

CONCRETE BARRIER, SINGLE SLOPE, TYPE B1, AS PER PLAN

THIS ITEM SHALL BE USED BETWEEN BARRIER TRANSITIONS IN THE MEDIAN OF IR-71. IT SHALL FOLLOW THE DETAILS AND SPECIFICATIONS IN RM-4.3 EXCEPT THAT THE TOP WIDTH SHALL BE 48" INSTEAD OF 12".

ITEM 622 - BARRIER, MISC.: CONCRETE BARRIER END SECTION, 81" TO 57" TRANSITION

THIS ITEM SHALL FOLLOW THE TRANSITION DETAILS SHOWN ON RM-4.8, SHEET 4 OF 4, DATED 07-19-2024. ODOT CENTRAL OFFICE INFORMED US THAT THE SCD WILL BE REVISED AND A NEW ITEM WILL REPLACE ITEM 622E25002 WITH THE JANUARY 2025 UPDATE. THIS ITEM IS A PLACEHOLDER AND WILL BE REPLACED IN THESE PLANS WITH THE NEW ITEM ONCE AVAILABLE. REVISIONS WILL BE INCLUDED IN AN ADDENDUM ISSUED PRIOR TO SALE.

ITEM 622 - BARRIER, MISC.: CONCRETE BARRIER END SECTION, 81" TO 42" TRANSITION

THIS ITEM SHALL FOLLOW THE TRANSITION DETAILS SHOWN ON RM-4.8, SHEET 4 OF 4, DATED 07-19-2024 EXCEPT THAT THE HEIGHT SHALL TRANSITION FROM 81" TO 42" OVER A LENGTH OF 26'-0". ODOT CENTRAL OFFICE INFORMED US THAT THE SCD WILL BE REVISED IN JANUARY 2025 TO INCLUDE DETAILS FOR THIS TRANSITION AND A NEW STANDARD ITEM WILL BE ADDED TO THE ITEM MASTER AT THAT TIME. THIS ITEM IS A PLACEHOLDER AND WILL BE REPLACED IN THESE PLANS WITH THE NEW ITEM ONCE AVAILABLE. REVISIONS WILL BE INCLUDED IN AN ADDENDUM ISSUED PRIOR TO SALE.

FULL DEPTH PAVEMENT SAWING

IN ALL AREAS WHERE ONLY A PORTION OF THE EXISTING PAVEMENT IS BEING REMOVED (FOR THE PURPOSES OF PAVEMENT WIDENING OR FOR THE INSTALLATION OF NEW CONCRETE BARRIER), A NEAT JOINT SHALL BE CONSTRUCTED AT THE REMOVAL LIMIT, PER CMS SECTION 202.05. THE COST OF FULL DEPTH PAVEMENT SAWING SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE ASSOCIATED ITEM 202 - PAVEMENT REMOVED

ITEM 202 – REMOVAL MISC.: TRENCH DRAIN

IN ADDITION TO THE REQUIREMENTS OF ITEM 202, WORK FOR THIS ITEM SHALL INCLUDE REMOVAL AND DISPOSAL OF THE COMPLETE TRENCH DRAIN. ANY VOIDS LEFT BEHIND NOT OTHERWISE BEING FILLED BY PROPOSED PAVEMENT ITEMS SHALL BE BACKFILLED AND COMPACTED WITH THE APPROPRIATE 203 EMABANKMENT ITEMS. PAYMENT FOR THIS ITEM SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, AND INCIDENTALS NEEDED TO COMPLETE THE WORK AS SPECIFIED AND TO THE SATISFACTION OF THE ENGINEER. THE QUANTITY IS PROVIDED IN THE REMOVAL QUANTITIES FOR THE ABOVE NOTED WORK.

GENERAL NOTES

DESIGN AGENCY

TRANSYSYSTEMS
1100 SUPERIOR AVE. E. STE 1000
CLEVELAND, OHIO 44114

DESIGNER

RJG

REVIEWER

MSW 09/06/24

PROJECT ID

105435

SHEET

P.023

TOTAL

791

ITEM 615, ROADS FOR MAINTAINING TRAFFIC

ROADS FOR MAINTAINING TRAFFIC WILL BE REQUIRED AT VARIOUS LOCATIONS AS SHOWN IN THE PLANS, AND SHALL BE CONSTRUCTED ACCORDING TO CMS 615 AND AS DETAILED IN THE PLANS. WHEREVER "CROSSOVER OR TEMPORARY RAMP" IS SHOWN IN THE PLANS, PAYMENT SHALL BE MADE UNDER "ROADS FOR MAINTAINING TRAFFIC".

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL GRADING, EMBANKMENT, EXCAVATION, MATERIALS, AND OTHER INCIDENTALS WHICH ARE REQUIRED TO PROVIDE AND MAINTAIN A SAFE DRIVING SURFACE, AS APPROVED BY THE ENGINEER.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY GRADING AND DRAINAGE FACILITIES DEEMED NECESSARY TO MAINTAIN ADEQUATE AND POSITIVE DRAINAGE THROUGH THE WORK ZONE, AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL MAINTAIN, TEMPORARILY RELOCATE, OR ADJUST TO TEMPORARY GRADE ALL TOPOGRAPHIC ELEMENTS WITHIN THE WORK LIMITS INCLUDING BUT NOT LIMITED TO; WATER METER PITS, MANHOLES, CATCH BASINS, INLETS, SIGNS, LANDSCAPED AREAS, LIGHTING FEATURES, AND OTHER UTILITY APPURTENANCES AS DIRECTED BY THE ENGINEER.

TEMPORARY DRAINAGE FACILITIES, WHERE SHOWN IN THE PLANS, ARE APPROXIMATE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING WHERE TEMPORARY DRAINAGE IS NEEDED, ACTUAL TEMPORARY DRAINAGE CHARACTERISTICS INCLUDING SIZE AND DIMENSIONS, INCLUDING BARRIER PROTECTION AND TEMPORARY SHEETING, WHERE NEEDED TO KEEP SIDE SLOPES FROM INTERFERING WITH OTHER CONSTRUCTION ACTIVITIES AND/OR THE TRAVELING PUBLIC.

FOLLOWING CONSTRUCTION OF PAVEMENTS AND ROADS FOR MAINTAINING TRAFFIC, TEMPORARY FACILITIES SHALL BE REMOVED AS PER CMS 615.08, AND THE EXISTING TOPOGRAPHY SHALL BE RESTORED, UNLESS OTHERWISE SPECIFIED IN THE PLANS.

ALL GUARDRAIL WORK (REMOVAL/INSTALLATION OF TEMPORARY GUARDRAIL, REMOVAL/REINSTALLATION OF EXISTING GUARDRAIL) IS INCIDENTAL TO THIS ITEM PER CMS 615.04.

PAYMENT FOR ALL LABOR, EQUIPMENT, MATERIALS AND OTHER INCIDENTALS FOR ROADS FOR MAINTAINING TRAFFIC SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 615, ROADS FOR MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLANS.

ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN

EXISTING SHOULDERS THAT ARE TO BE RECONSTRUCTED PRIOR TO SHIFTING TRAFFIC ONTO THEM WILL BE COVERED UNDER ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN. THIS WORK IS DETAILED IN THE PLANS ON SHEETS P.049 AND P.050.

ALL WORK SHALL CONFORM TO CMS 615 EXCEPT WORK AS DETAILED BELOW. EXISTING SHOULDERS TO BE RECONSTRUCTED SHALL FIRST BE PLANED 9 INCHES ON RIGID PAVEMENT AND 8.5 INCHES ON FLEXIBLE PAVEMENT, DOWN TO THE EXISTING ITEM 304 (AGGREGATE BASE WHICH WILL REMAIN IN PLACE). THEY SHALL THEN BE REPAVED WITH CLASS A PAVEMENT PER ITEM 615.

PAYMENT FOR ALL LABOR, EQUIPMENT, MATERIALS, INSTALLATION OF TEMPORARY PAVEMENT WITHIN THE EXISTING SHOULDER FOOTPRINT SHALL BE INCIDENTAL TO CONTRACT PRICE FOR ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN.

PAYMENT WILL NOT BE MADE FOR REMOVAL OF TEMPORARY PAVEMENT INSTALLED UNDER THIS ITEM.

ITEM 622, BARRIER MISC.: TEMPORARY BARRIER, ANCHORED AS PER PLAN

THIS ITEM SHALL COMPLY TO ITEM 622 EXCEPT IN THE FOLLOWING SITUATIONS: IN LOCATIONS WHERE THE CONTRACTOR IS REQUIRED TO PLACE THE TEMPORARY BARRIER LESS THAN 1' FROM THE EDGE OF THE BRIDGE DECK TO THE NEAREST TOE OF THE BARRIER, CONTRACTOR IS TO UTILIZE ODOT APPROVED ALTERNATIVE TO THE PCB-91. J-J HOOKS F-SHAPE TEMPORARY CONCRETE BARRIER (BOLTED & PINNED) AS MANUFACTURED BY EASI-SET WORLDWIDE, A PROPRIETARY PRODUCT THAT CAN BE USED IN LIEU OF PCB-91 AND RM-4.2. CONTRACTOR MUST PROVIDE ANCHORAGE PER MANUFACTURER'S RECOMMENDATIONS BASED ON LENGTH OF BARRIER SEGMENTS USED. REFER TO ODOT'S ROADWAY APPROVED PRODUCTS LISTS FOR ADDITIONAL DETAILS.

PAYMENT FOR THE LABOR, MATERIALS, INSTALLATION, MAINTENANCE AND REMOVAL COSTS OF THESE ITEMS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 622 - BARRIER, MISC.: TEMPORARY BARRIER, ANCHORED, AS PER PLAN.

APPROVED MAINTENANCE OF TRAFFIC (MOT) POLICY EXCEPTION(S)

PORTIONS OF THE MOT PLANS AS DESCRIBED BELOW HAVE APPROVED MOT EXCEPTIONS PER TRAFFIC MANAGEMENT IN WORK ZONES POLICY (21-008(P)) AND STANDARD PROCEDURE (123-001(SP)).

APPROVED MOT EXCEPTION(S) INCLUDE:
8 TOTAL NIGHTLY CLOSURES OF 71 NB
-2 NIGHTTIME CLOSURES OF I-71 NB DEMO - RAMP K BRIDGE
-2 NIGHTTIME CLOSURES OF I-71 NB DEMO - RAMP O BRIDGE
-2 NIGHTTIME CLOSURES OF I-71 NB FOR BEAM SETTING - RAMP K BRIDGE
-2 NIGHTTIME CLOSURES OF I-71 NB FOR BEAM SETTING - RAMP O BRIDGE

8 TOTAL NIGHTLY CLOSURES OF 71 SB
-2 NIGHTTIME CLOSURES OF I-71 SB DEMO - RAMP K BRIDGE
-2 NIGHTTIME CLOSURES OF I-71 SB DEMO - RAMP O BRIDGE
-2 NIGHTTIME CLOSURES OF I-71 SB FOR BEAM SETTING - RAMP K BRIDGE
-2 NIGHTTIME CLOSURES OF I-71 SB FOR BEAM SETTING - RAMP O BRIDGE

WORK ZONE QUEUE DETECTION WARNING SYSTEM SHALL BE USED IN CONJUNCTION WITH THE CLOSURES. LOCATION OF THE SYSTEM WILL BE ESTABLISHED AT THE MAINTENANCE OF TRAFFIC MEETING.

A MAINTENANCE OF TRAFFIC MEETING SHALL BE HELD A MINIMUM OF 30 CALENDAR DAYS PRIOR TO IMPLEMENTATION OF EACH APPROVED MOT EXCEPTION. THIS MEETING SHALL INCLUDE THE DISTRICT WORK ZONE TRAFFIC MANAGER AS WELL AS THE CONTRACTOR, WORKSITE TRAFFIC SUPERVISOR (WTS) AND ANY SUBCONTRACTORS INVOLVED WITH TEMPORARY TRAFFIC CONTROL.

IN ADDITION TO ANY NOTIFICATIONS REQUIRED IN OTHER NOTES, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER AT LEAST 3 BUSINESS DAYS IN ADVANCE OF IMPLEMENTATION OF THE APPROVED MOT EXCEPTIONS REFERENCED ABOVE SO THAT THE PROJECT ENGINEER CAN SEND EMAIL NOTIFICATION TO THE OFFICE OF ROADWAY ENGINEERING, STATEWIDE TMC, DWZTM AND SPECIAL HAULING PERMITS AT LEAST 2 BUSINESS DAYS IN ADVANCE OF THE IMPLEMENTATION OF THE APPROVED MOT EXCEPTIONS REFERENCED ABOVE. REFERENCE "EXCEPTION REQUEST APPROVAL DATED 06/05/2024 FOR PID 105435" IN THE NOTIFICATION AND OTHER CORRESPONDENCE.

ANY CHANGES TO THE MOT THAT IMPACT THE PREVIOUSLY APPROVED MOT EXCEPTIONS LISTED ABOVE SHALL BE APPROVED IN WRITING BY THE MOT EXCEPTION COMMITTEE (MOTEC). IN THE EVENT THAT SUCH CHANGES ARE PROPOSED, THE REQUEST SHALL BE COORDINATED THROUGH THE DISTRICT WORK ZONE TRAFFIC MANAGER (DWZTM) A MINIMUM OF 30 CALENDAR DAYS PRIOR TO THE DESIRED IMPLEMENTATION DATE. IF THE DISTRICT AGREES WITH THE PROPOSED CHANGES THE DWZTM SHALL SEEK APPROVAL FROM THE MOTEC. IN THE EVENT THE PROPOSED CHANGES ARE APPROVED IN WRITING, THE CLOSURES ARE STILL SUBJECT TO NOTIFICATION REQUIREMENTS WITHIN THIS NOTE PRIOR TO IMPLEMENTATION.

LANE VALUE CONTRACT TABLE

THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE AS DESIGNATED IN THE LANE VALUE CONTRACT TABLE FOR EACH UNIT OF TIME A LANE/SHOULDER/RAMP IS CLOSED BY THE CONTRACTOR'S ACTION WHILE NOT OTHERWISE PERMITTED BY THE LANE VALUE CONTRACT TABLE.

LANE VALUE CONTRACT TABLE						
FRA-71						
SECTION (SLM)	EXISTING NUMBER OF LANES PER DIRECTION	LANE CLOSURES ARE NOT PERMITTED:				DISINCENTIVE AMOUNTS PER MINUTE PER LANE
		LANE REDUCTION	MON TO FRI	SAT	SUN	
MORES ROAD (24.51) TO SR 161 (26.46)	3	3 TO 2	5AM-8PM	9AM-7PM	9AM-7PM	\$430
		3 TO 1	5AM-10PM	6AM-9PM	6AM-9PM	\$430
SR 161 (26.46 TO I-270 (27.76)	4	4 TO 3	5AM-9AM & 3PM-6PM	NO RESTRICTION	NO RESTRICTION	\$295
		4 TO 2	5AM-8PM	7AM-9AM & 2PM-7PM	7AM-9AM & 2PM-7PM	\$295
		4 TO 1	5AM-11PM	6AM-10PM	6AM-10PM	\$295
ALT I-270 (NORTH SIDE) (27.76 - 28.92)	3	3 TO 2	5AM-8PM	7AM-9AM & 2PM-7PM	7AM-9AM & 2PM-7PM	\$365
		3 TO 1	5AM-11PM	6AM-10PM	6AM-10PM	\$365
I-270 (NORTH SIDE) (28.92) TO DELAWARE COUNTY LINE (29.90)	4	4 TO 3	5AM-9AM & 3PM-6PM	NO RESTRICTION	NO RESTRICTION	\$440
		4 TO 2	5AM-8PM	7AM-9AM & 2PM-7PM	7AM-9AM & 2PM-10PM	\$440
		4 TO 1	5AM-11PM	5AM-11PM	5AM-11PM	\$440
SHORT TERM SHOULDER CLOSURES ARE NOT PERMITTED 5AM-9AM AND 3PM-6PM MONDAY-FRIDAY						

LANE VALUE CONTRACT TABLE						
FRA-270						
SECTION (SLM)	EXISTING NUMBER OF LANES PER DIRECTION	LANE CLOSURES ARE NOT PERMITTED:				DISINCENTIVE AMOUNTS PER MINUTE PER LANE
		LANE REDUCTION	MON TO FRI	SAT	SUN	
LINWORTH ROAD (22.42) TO EAST OF US 23 (24.13)	4	4 TO 3	5AM-9AM & 2PM-7PM	7AM-9AM & 3PM-6PM	7AM-9AM & 3PM-6PM	\$370
		4 TO 2	5AM-9PM	6AM-8PM	6AM-8PM	\$370
		4 TO 1	5AM-11PM	6AM-10PM	6AM-10PM	\$370
US 23 (24.13) TO I-71 (25.51)	6	6 TO 5	5AM-9AM & 2PM-7PM	NO RESTRICTION	NO RESTRICTION	\$270
		6 TO 4	5AM-9AM & 2PM-7PM	NO RESTRICTION	NO RESTRICTION	\$270
		6 TO 3	5AM-8PM	6AM-7PM	6AM-7PM	\$270
		6 TO 2	5AM-8PM	6AM-7PM	6AM-7PM	\$270
		6 TO 1	5AM-10PM	6AM-9PM	6AM-9PM	\$270
I-71 (25.51) TO SR 3 (28.95)	4	4 TO 3	5AM-9AM & 2PM-7PM	11AM-5PM	11AM-5PM	\$390
		4 TO 2	5AM-8PM	9AM-8PM	10AM-8PM	\$390
		4 TO 1	5AM-10PM	7AM-10PM	8AM-10PM	\$390
SHORT TERM SHOULDER CLOSURES ARE NOT PERMITTED 5AM-9AM AND 3PM-7PM MONDAY-FRIDAY						

DESIGN AGENCY



DESIGNER

ACS

REVIEWER

JDH 09/06/24

PROJECT ID

105435

SHEET

P.030

TOTAL

791

SHEET NO.	REFERENCE NO.	STAGE	PHASE	LOCATION	STATION		SIDE	614	614	614	614	614	614	614	615	615	622	622	622	622
								WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (UNIDIRECTIONAL)	WORK ZONE LANE LINE, CLASS I, 6" 642 PAINT	WORK ZONE EDGE LINE, CLASS I, 6" 642 PAINT (YELLOW)	WORK ZONE EDGE LINE, CLASS I, 6" 642 PAINT (WHITE)	WORK ZONE CHANNELIZING LINE, CLASS I, 8", 642 PAINT	WORK ZONE DOTTED LINE, CLASS I, 8" 642 PAINT	WORK ZONE GORE MARKING, CLASS II, 642 PAINT	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN	DUAL PORTABLE BARRIER TRANSITION/TERMINATION	PORTABLE BARRIER, ANCHORED	PORTABLE BARRIER, UNANCHORED	BARRIER MISC.: TEMPORARY BARRIER, ANCHORED, AS PER PLAN
					EA	MILE		MILE	MILE	FT	FT	FT	SY	SY	EA	FT	FT	FT		
N/A	SR-1	PRE-STAGE		I-270	954+90	963+75	RT									985				
N/A	SR-2	PRE-STAGE		I-270	965+88	995+50	RT									3265				
N/A	SR-3	PRE-STAGE		I-71	103+50	198+50	RT									16912				
N/A	SR-J1	PRE-STAGE		J-RAMP	36+90	40+94	LT									420				
N/A	SR-K1	PRE-STAGE		K-RAMP	12+00	42+00	LT									1981				
N/A	SR-K2	PRE-STAGE		K-RAMP	11+16	17+74	RT									637				
N/A	SR-N1	PRE-STAGE		N-RAMP	138+80	154+00	RT									2763				
N/A	SR-O1	PRE-STAGE		O-RAMP	15+00	1536+50	RT									2693				
N/A	SR-O2	PRE-STAGE		O-RAMP	10+00	19+00	LT									926				
N/A	SR-P1	PRE-STAGE		P-RAMP	1001+00	1011+47	RT									717				
N/A	SR-P2	PRE-STAGE		P-RAMP	1018+17	1026+68	RT									632				
N/A	SR-Q1	PRE-STAGE		Q-RAMP	23+68	28+40	LT									165				
N/A	SR-Q2	PRE-STAGE		Q-RAMP	30+38	33+68	LT									229				
P.068, P.086	TP-K1	STAGE 1		K-RAMP	35+08	36+80	LT								43					
P.066, P.082	TP-M1	PRE-STAGE		M-RAMP	89+59	102+17	LT								1831					
P.053, P.083	TP-M2	PRE-STAGE		M-RAMP	104+93	109+43	LT								606					
P.077-P.079, P.085	TP-N1	STAGE 1		N-RAMP	140+63	153+90	RT								1104					
P.086	TP-O1	STAGE 1		O-RAMP	30+46	33+32	RT								188					
P.084	TP-Q1	STAGE 1		Q-RAMP	24+30	30+06	LT								383					
P.070, P.084	TP-Q2	STAGE 1		Q-RAMP	31+72	39+39	LT								837					
P.056-P.057	PB-1	STAGE 1	NIGHT	I-270 EB	953+75	960+26	RT												651	
P.056-P.057	PB-2	STAGE 1	NIGHT	I-270 WB	956+00	962+50	LT												650	
P.057-P.058	PB-3	STAGE 1	NIGHT	I-270 EB	972+50	979+00	RT												650	
P.057-P.058	PB-4	STAGE 1	NIGHT	I-270 WB	974+74	981+25	LT												651	
	PB-5	OMIT																		
	PB-7	OMIT																		
P.057	PB-M1	STAGE 1	NIGHT	M-RAMP	74+88	77+43	LT												255	
P.059	PB-M2	STAGE 1	NIGHT	M-RAMP	93+73	1000+75	LT/RT												701	
P.059	PB-M3	STAGE 1	NIGHT	M-RAMP	94+23	1000+75	LT												654	
	PB-M4	OMIT																		
P.056	IA-1	STAGE 1	NIGHT	I-270 EB	953+75		RT	1												
P.057	IA-2	STAGE 1	NIGHT	I-270 WB	962+50		LT	1												
P.057	IA-3	STAGE 1	NIGHT	I-270 EB	972+50		RT	1												
P.058	IA-4	STAGE 1	NIGHT	I-270 WB	981+25		LT	1												
P.057	IA-M1	STAGE 1	NIGHT	M-RAMP	74+88		LT	1												
P.059	IA-M2	STAGE 1	NIGHT	M-RAMP	93+73		LT	1												
P.059	IA-M3	STAGE 1	NIGHT	M-RAMP	94+23		LT	1												
	IA-M4	OMIT																		
P.063-P.064	CH-1	STAGE 2	PHASE 1	I-270	951+90	962+50	RT					1060								
P.063-P.064	CH-2	STAGE 2	PHASE 1	I-270	951+90	962+50	RT					1060								
P.063-P.064	CH-3	STAGE 2	PHASE 1	I-270	951+90	962+50	RT					1060								
P.063-P.064	CH-4	STAGE 2	PHASE 1	I-270	951+90	962+50	RT					1060								
P.064-P.065	CH-5	STAGE 2	PHASE 1	I-270	977+19	980+00	RT					281								
P.065-P.066	CH-6	STAGE 2	PHASE 1	I-270	987+00	996+50	RT					950								
P.065-P.066	CH-7	STAGE 2	PHASE 1	I-270	987+00	996+50	RT					950								
P.065-P.066	CH-8	STAGE 2	PHASE 1	I-270	987+00	996+50	RT					950								
P.063-P.066	ELY-1	STAGE 2	PHASE 1	I-270	954+90	993+50	RT			0.73										
P.063-P.064	ELW-1	STAGE 2	PHASE 1	I-270	947+00	970+50	RT				0.44									
P.065-P.066	ELW-2	STAGE 2	PHASE 1	I-270	980+00	993+50	RT				0.26									
P.063	DL-1	STAGE 2	PHASE 1	I-270	947+00	955+04	RT						804							
P.064	DL-2	STAGE 2	PHASE 1	I-270	962+50	970+50	RT						800							
P.064-P.065	LL-1	STAGE 2	PHASE 1	I-270	962+50	987+00	RT		0.46											
TOTALS CARRIED TO SUBSUMMARY SHEET P.042								7	0.46	0.73	0.7	7371	1604	-	4992	32325	-	-	4212	-

MAINTENANCE OF TRAFFIC
SUBSUMMARY

DESIGN AGENCY



DESIGNER

CMH

REVIEWER

JDH 09/06/24

PROJECT ID

105435

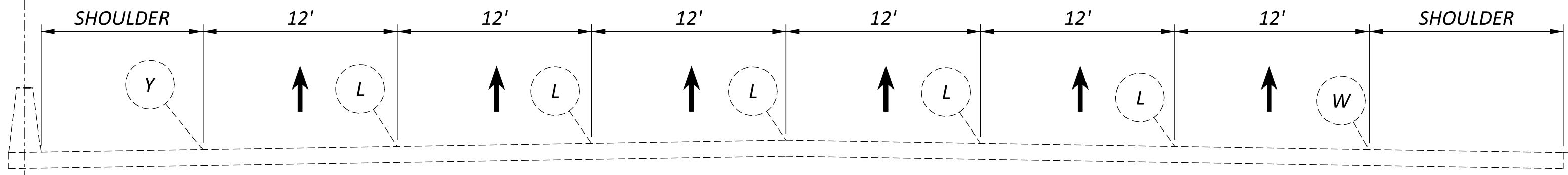
SHEET

P.034

TOTAL

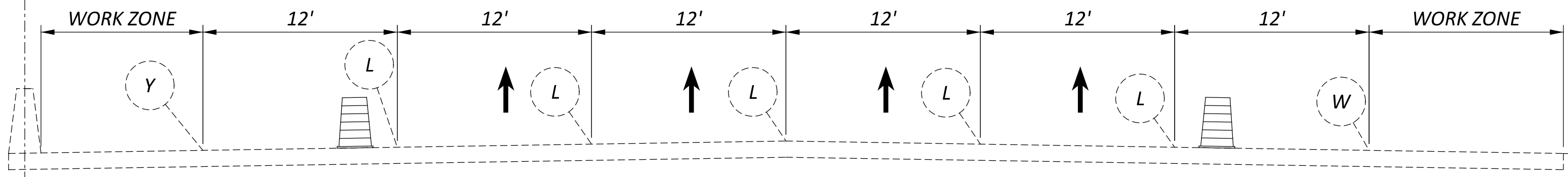
791

CONST IR-270



EXISTING CONFIGURATION - IR-270

CONST IR-270



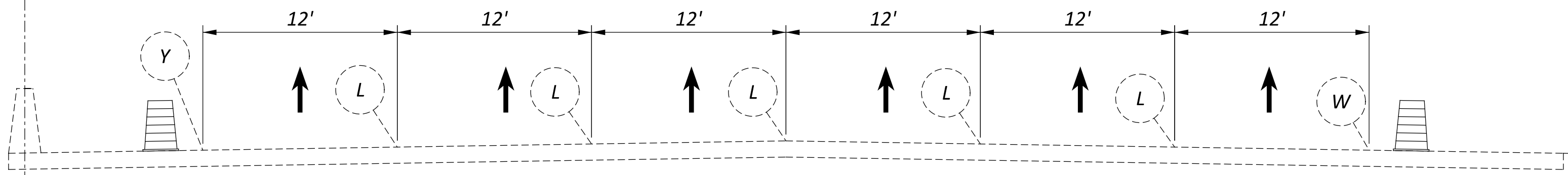
LEFT SHOULDER
IR-270 EB - STA. 954+90 TO STA. 993+50

PRE-PHASE - WORKING HOURS

RIGHT SHOULDER
IR-270 EB - STA. 965+66 TO STA. 970+46
IR-270 EB - STA. 1026+00 TO STA. 1055+00

*WORK SHOULD NOT PROCEED ON BOTH SIDES OF THE ROAD AT THE SAME TIME

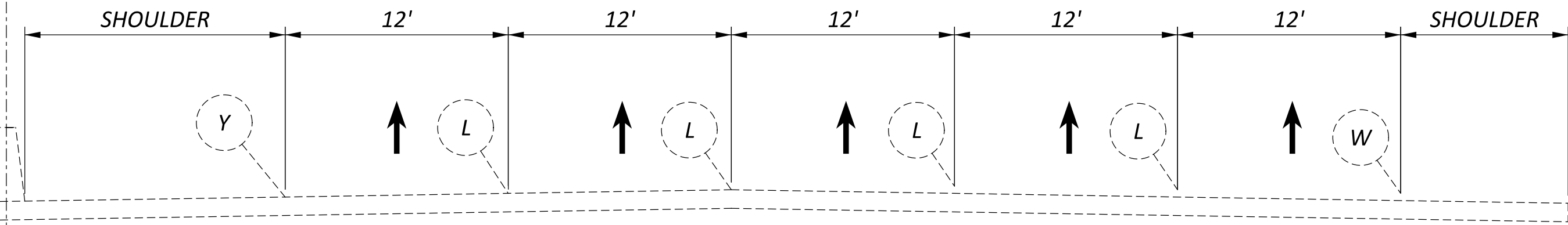
CONST IR-270



PRE-PHASE - NON-WORKING HOURS

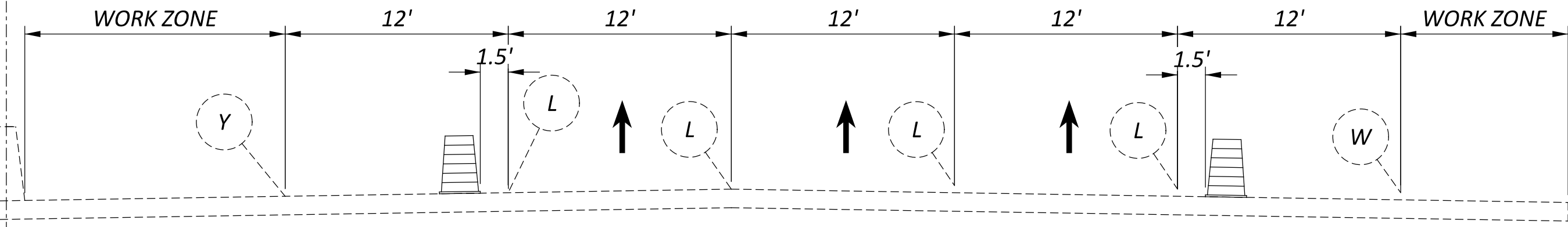
*WORK SHOULD NOT PROCEED ON BOTH SIDES OF THE ROAD AT THE SAME TIME

CONST IR-71



EXISTING CONFIGURATION - IR-71

CONST IR-71

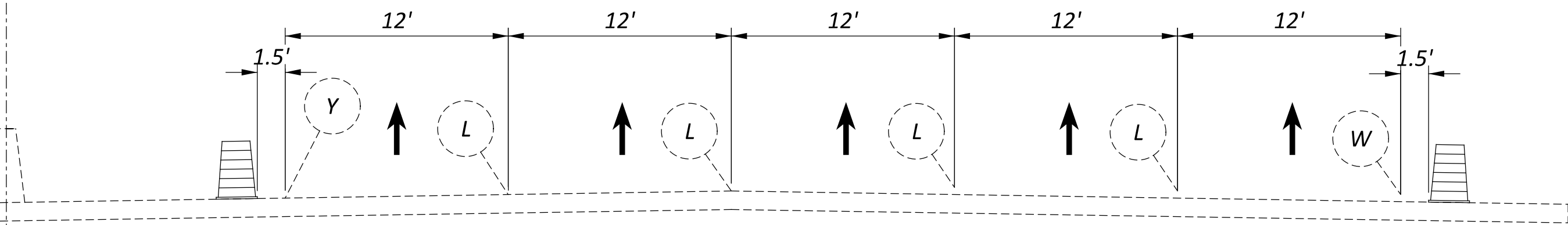


LEFT SHOULDER
IR-71 NB - STA. 975+00 TO STA. 200+50
IR-71 SB - STA. 156+00 TO STA. 132+00

PRE-PHASE - WORKING HOURS

RIGHT SHOULDER
IR-71 NB - STA. 148+00 TO STA. 154+57

CONST IR-71



PRE-PHASE - NON-WORKING HOURS

*WORK SHOULD NOT PROCEED ON BOTH SIDES OF THE ROAD AT THE SAME TIME

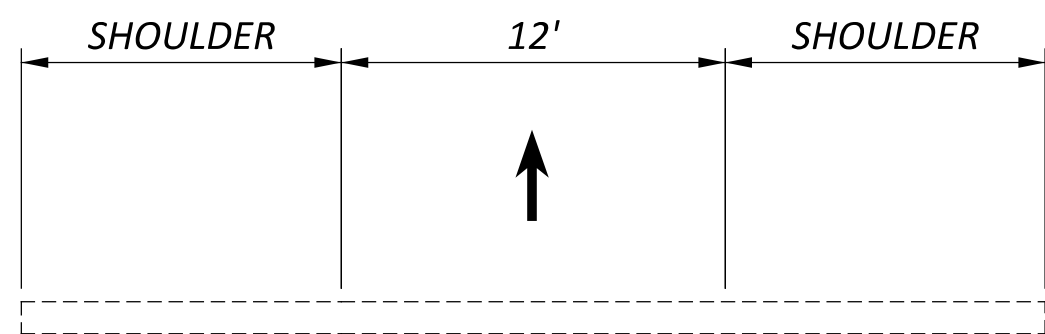
NOTES

1. DURING THE HOURS SPECIFIED AS LISTED IN THIS PLAN, NIGHTTIME LANE CLOSURES SHALL BE IMPLEMENTED PER ODOT SCD MT 95.30 FOR SHOULDER WORK AND TEMPORARY PAVEMENT WORK ADJACENT TO IR-270 AND IR-71. SEE THE WORKING AND NON-WORKING HOURS TYPICAL SECTIONS FOR DETAILS.

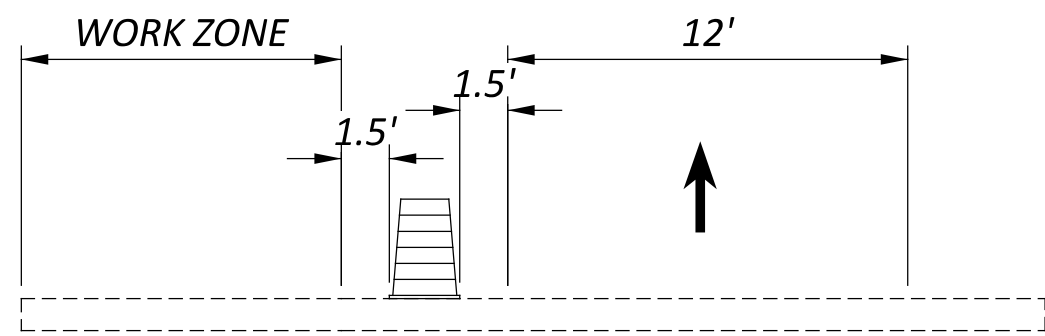
2. EXISTING SHOULDERS THAT ARE TO BE RECONSTRUCTED SHALL FIRST BE PLANED 9 INCHES ON RIGID PAVEMENT AND 8.5 INCHES ON FLEXIBLE PAVEMENT, DOWN TO THE EXISTING ITEM 304 (AGGREGATE BASE WHICH WILL REMAIN IN PLACE). THEY SHALL THEN BE REPAVED WITH CLASS A PAVEMENT FOR MAINTAINING TRAFFIC, AS PER PLAN (SEE MAINTENANCE OF TRAFFIC GENERAL NOTES). PAYMENT FOR THE PLANING AND INSTALLATION OF TEMPORARY PAVEMENT WITHIN THE EXISTING SHOULDER FOOTPRINT SHALL BE AS PER ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC, AS PER PLAN. SHOULDER REPLACEMENT SHALL BE LIMITED TO THE LENGTH THAT CAN BE COMPLETED IN THE SAME WORK DAY.

LEGEND

- Y EXISTING EDGE LINE, YELLOW
- W EXISTING EDGE LINE, WHITE
- L EXISTING LANE LINE, DASHED

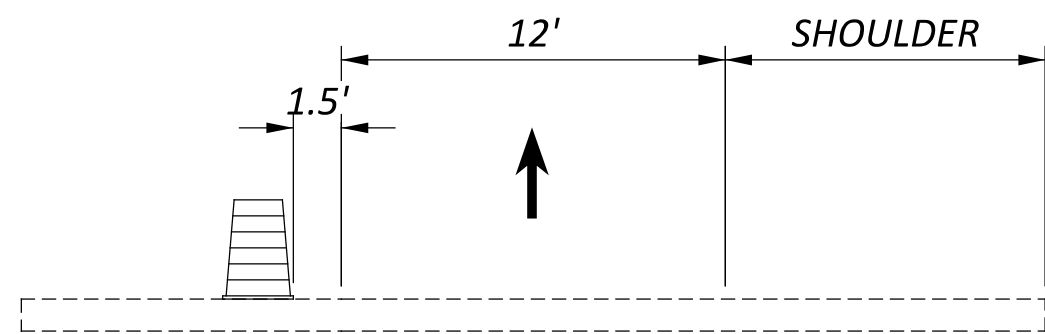


EXISTING CONFIGURATION - RAMP

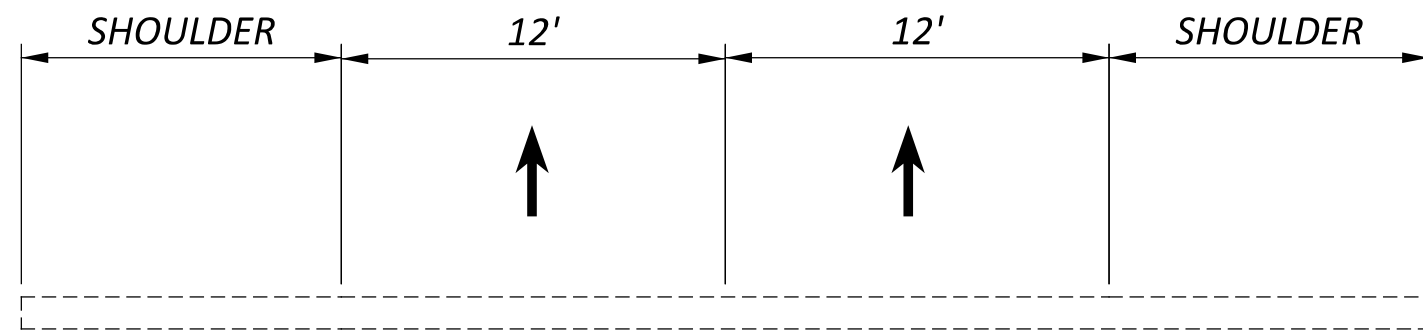


PRE-PHASE - WORKING HOURS

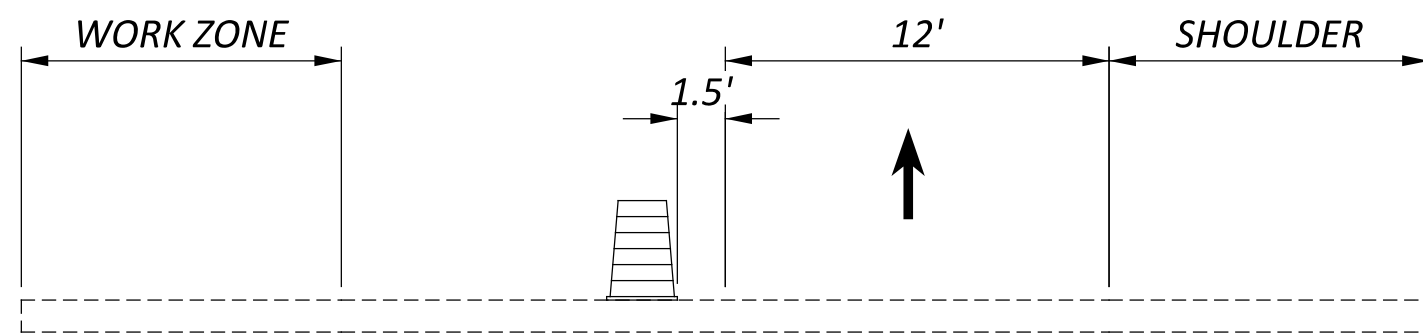
LEFT SHOULDER
RAMP Q - STA. 30+37 TO STA. 39+40
RAMP K - STA. 12+91 TO STA. 19+65
RAMP K - STA. 21+45 TO STA. 25+01
RAMP K - STA. 27+72 TO STA. 38+76
RAMP M - STA. 109+50 TO STA. 114+50
RAMP O - STA. 10+00 TO STA. 13+05



PRE-PHASE - NON-WORKING HOURS

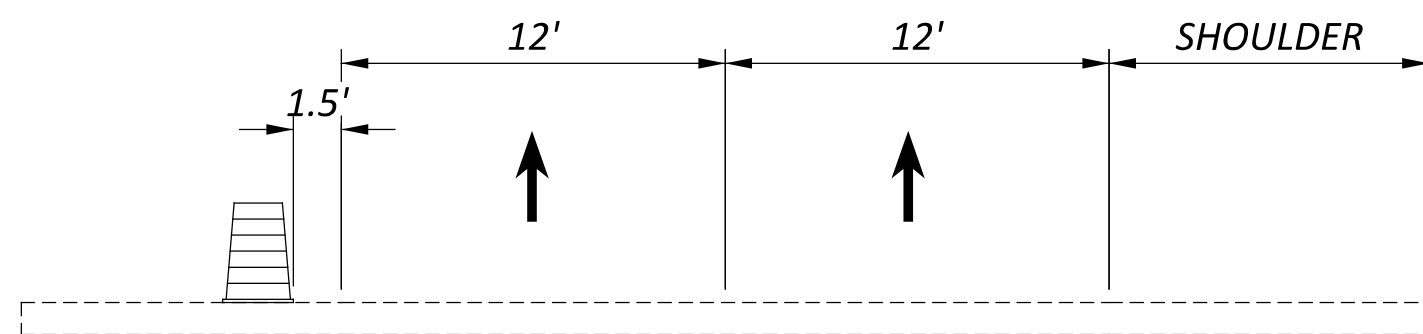


EXISTING CONFIGURATION - RAMP

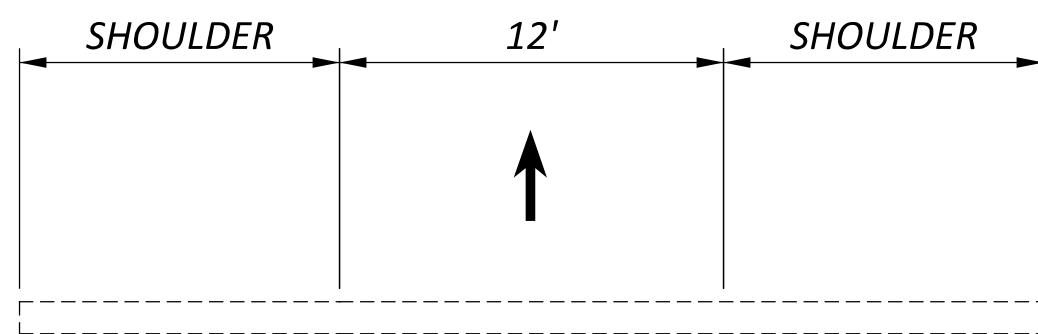


PRE-PHASE - WORKING HOURS

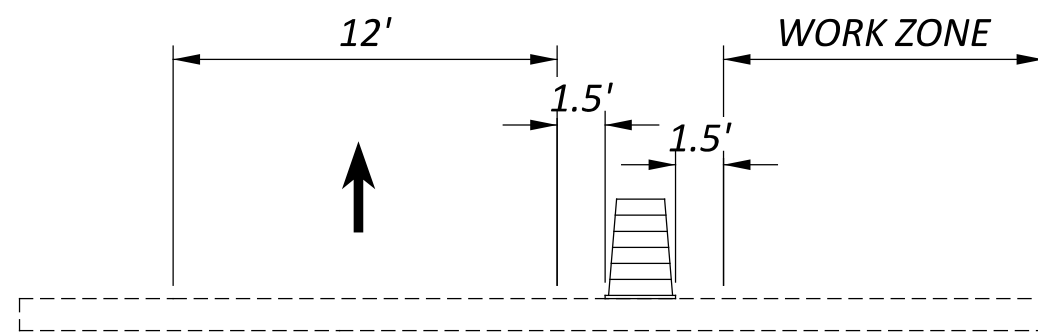
LEFT SHOULDER
RAMP Q - STA. 4+69 TO STA. 16+23
RAMP M - STA. 74+85 TO STA. 102+52
RAMP N - STA. 130+75 TO STA. 141+75



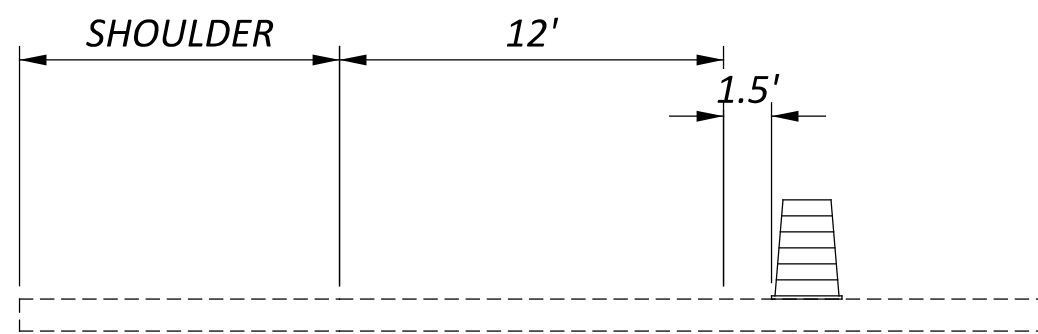
PRE-PHASE - NON-WORKING HOURS



EXISTING CONFIGURATION - RAMP

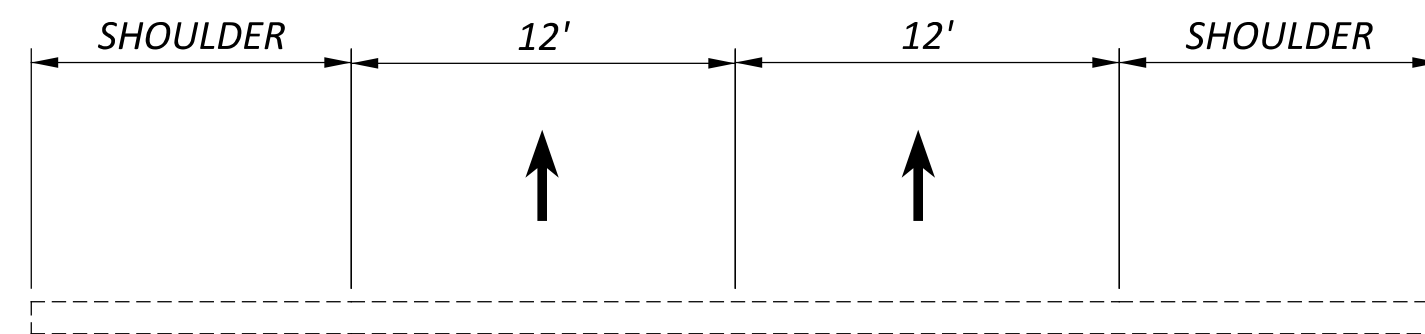


PRE-PHASE - WORKING HOURS

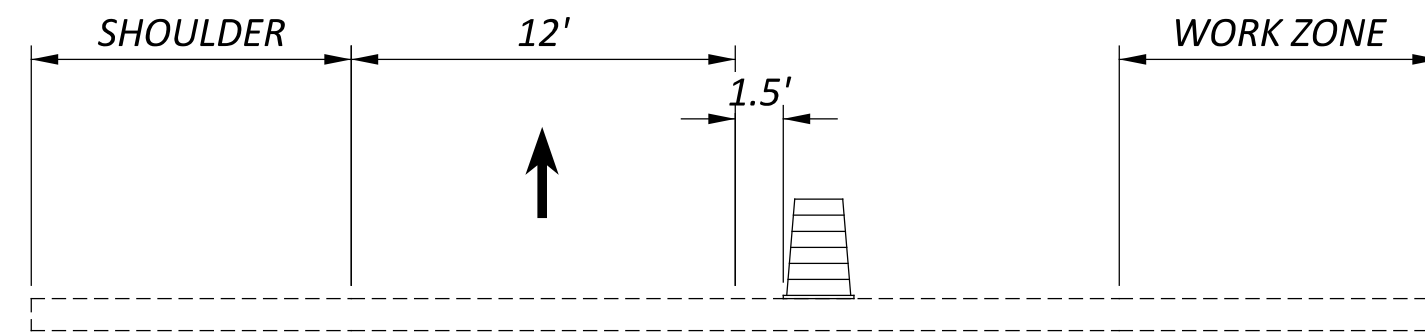


PRE-PHASE - NON-WORKING HOURS

RIGHT SHOULDER
RAMP O - STA. 13+81 TO STA. 25+60
RAMP O - STA. 26+18 TO STA. 26+94
RAMP O - STA. 27+68 TO STA. 36+55
RAMP P - STA. 1005+01 TO STA. 1011+70
RAMP P - STA. 1017+91 TO STA. 1027+32

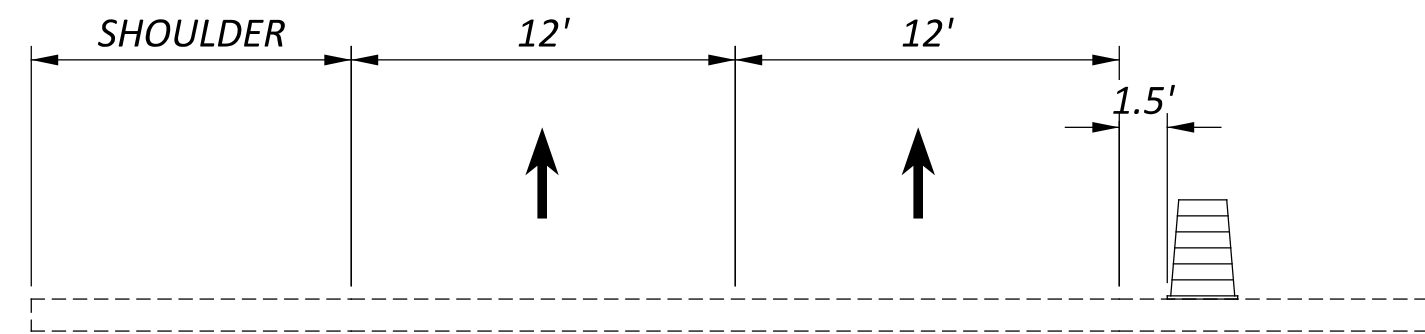


EXISTING CONFIGURATION - RAMP



PRE-PHASE - WORKING HOURS

RIGHT SHOULDER
RAMP N - STA. 132+25 TO STA. 148+00



PRE-PHASE - NON-WORKING HOURS

NOTES

1. DURING THE HOURS SPECIFIED AS LISTED IN THIS PLAN, NIGHTTIME LANE CLOSURES SHALL BE IMPLEMENTED PER ODOT SCD MT 95.30 FOR SHOULDER WORK AND TEMPORARY PAVEMENT WORK ADJACENT TO RAMP K, M, N, O, P, AND Q. SEE THE WORKING AND NON-WORKING HOURS TYPICAL SECTIONS FOR DETAILS.

2. EXISTING SHOULDERS THAT ARE TO BE RECONSTRUCTED SHALL FIRST BE PLANED 9 INCHES ON RIGID PAVEMENT AND 8.5 INCHES ON FLEXIBLE PAVEMENT, DOWN TO THE EXISTING ITEM 304 (AGGREGATE BASE WHICH WILL REMAIN IN PLACE). THEY SHALL THEN BE REPAVED WITH CLASS A PAVEMENT FOR MAINTAINING TRAFFIC, AS PER PLAN (SEE MAINTENANCE OF TRAFFIC GENERAL NOTES). PAYMENT FOR THE PLANING AND INSTALLATION OF TEMPORARY PAVEMENT WITHIN THE EXISTING SHOULDER FOOTPRINT SHALL BE AS PER ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC, AS PER PLAN. SHOULDER REPLACEMENT SHALL BE LIMITED TO THE LENGTH THAT CAN BE COMPLETED IN THE SAME WORK DAY.

3. SEE THE PRE-PHASE SEQUENCE OF CONSTRUCTION AS LISTED IN THIS PLAN FOR CLOSURES AND DETOURS REQUIRED TO COMPLETE THIS WORK.

LEGEND

- Y EXISTING EDGE LINE, YELLOW
W EXISTING EDGE LINE, WHITE
L EXISTING LANE LINE, DASHED

DESIGN AGENCY



DESIGNER

ACS

REVIEWER

JDH 09/06/24

PROJECT ID

105435

SHEET

P.050

TOTAL

791

SHEET NUM.											PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
P.021	P.022	P.023	P.240	P.247	P.248	P.249	P.250	P.251			01/IMS/21	02/IMS/10	03/IMS/13						
LS											LS			201	11000	LS		ROADWAY	
											2			202	20010	2	EACH	CLEARING AND GRUBBING	
			61,954								61,954			202	23000	61,954	SY	HEADWALL REMOVED	
			1,663								1,663			202	30700	1,663	FT	PAVEMENT REMOVED	
			267								267			202	32000	267	FT	CONCRETE BARRIER REMOVED	
			144								144			202	35100	144	FT	CURB REMOVED	
																		PIPE REMOVED, 24" DIAMETER AND UNDER	
			11								11			202	35200	11	FT		
			8,759								8,759			202	38000	8,759	FT	PIPE REMOVED, OVER 24" DIAMETER	
			23								23			202	42010	23	EACH	GUARDRAIL REMOVED	
			16								16			202	42040	16	EACH	ANCHOR ASSEMBLY REMOVED, TYPE E	
			23								23			202	47000	23	EACH	ANCHOR ASSEMBLY REMOVED, TYPE T	
																		BRIDGE TERMINAL ASSEMBLY REMOVED	
			3								3			202	58100	3	EACH		
		1,400									1,400			SPECIAL	20270110	1,400	FT	CATCH BASIN REMOVED	
			402								402			202	75000	402	FT	PIPE CLEANOUT, 24" AND UNDER	P.023
			47								47			202	98100	47	EACH	FENCE REMOVED	
			299								299			202	98200	299	FT	REMOVAL MISC.: NOISE BARRIER POST AND FOUNDATION REMOVAL	P.022
			13,545								13,545			202	98400	13,545	SF	REMOVAL MISC.: TRENCH DRAIN	P.023
																		REMOVAL MISC.: NOISE BARRIER PANEL REMOVAL AND DISPOSAL	P.022
		34,729									34,729			203	10000	34,729	CY		
		41,276									41,276			203	20000	41,276	CY	EXCAVATION	
								803			803			204	10000	803	SY	EMBANKMENT	
								9,725			9,725			204	13000	9,725	CY	SUBGRADE COMPACTION	
								9,725			9,725			204	30010	9,725	CY	EXCAVATION OF SUBGRADE	
																		GRANULAR MATERIAL, TYPE B	
								41			41			204	45000	41	hour	PROOF ROLLING	
								29,174			29,174			204	50000	29,174	SY	GEOTEXTILE FABRIC	
								194			194			206	10500	194	TON	CEMENT	
								74,993			74,993			206	11000	74,993	SY	CURING COAT	
								74,993			74,993			206	15010	74,993	SY	CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP	
								LS			LS			206	30000	LS		MIXTURE DESIGN FOR CHEMICALLY STABILIZED SOILS	
			7,576								7,576			606	15050	7,576	FT	GUARDRAIL, TYPE MGS	
			15								15			606	26150	15	EACH	ANCHOR ASSEMBLY, MGS TYPE E [MASH 2016]	
			14								14			606	26550	14	EACH	ANCHOR ASSEMBLY, MGS TYPE T	
			16								16			606	35002	16	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1	
			15								15			606	35102	15	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 2	
			415								415			607	23000	415	FT	FENCE, TYPE CLT	
			815								815			609	24510	815	FT	CURB, TYPE 4-C	
			307								307			622	10100	307	FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE B1	
			113								113			622	10101	113	FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE B1, AS PER PLAN	P.023
			2,824								2,824			622	10160	2,824	FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE D	
			4,595								4,595			622	10180	4,595	FT	CONCRETE BARRIER, SINGLE SLOPE, 81"	
			2								2			622	10200	2	EACH	BARRIER TRANSITION	
			1								1			622	24850	1	EACH	CONCRETE BARRIER END SECTION, TYPE B1	
			14								14			622	25000	14	EACH	CONCRETE BARRIER END SECTION, TYPE D	
			12								12			622	25006	12	EACH	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE B1	
			15								15			622	25050	15	EACH	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE D	
			38								38			622	25080	38	EACH	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, 81"	
			1								1			622	90200	1	EACH	BARRIER, MISC.:CONCRETE BARRIER END SECTION, 81" TO 57" TRANSITION	P.023
			2								2			622	90200	2	EACH	BARRIER, MISC.:CONCRETE BARRIER END SECTION, 81" TO 42" TRANSITION	P.023
																		EROSION CONTROL	
	10			145	18	10	12				32			601	21050	32	SY	TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT	
											163			601	21060	163	SY	TIED CONCRETE BLOCK MAT WITH TYPE 2 UNDERLAYMENT	
				3	6						9			601	32204	9	CY	ROCK CHANNEL PROTECTION, TYPE C WITH GEOTEXTILE FABRIC	
9.07											9.07			654	11000	9.07	TON	COMMERCIAL FERTILIZER	
2											2			659	00100	2	EACH	SOIL ANALYSIS TEST	
7,216											7,216			659	00300	7,216	CY	TOPSOIL	
65,012											65,012			659	10000	65,012	SY	SEEDING AND MULCHING	
3,251											3,251			659	14000	3,251	SY	REPAIR SEEDING AND MULCHING	
3,251											3,251			659	15000	3,251	SY	INTER-SEEDING	
13.43											13.43			659	31000	13.43	ACRE	LIME	

GENERAL SUMMARY

DESIGN AGENCY
TRANSYSTMS
1100 SUPERIOR AVE. E. STE 1000
CLEVELAND, OHIO 44114

DESIGNER
RJG

REVIEWER
MSW 09/06/24

PROJECT ID
105435

SHEET
P.232

TOTAL
791

SHEET NUM.											PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
P.021	P.022	P.029	P.247	P.248	P.249	P.250	P.251	P.256	P.570		01/IMS/21	02/IMS/10	03/IMS/13						
																		EROSION CONTROL (CONT.)	
360											360			659	35000	360	MGAL	WATER	
146											146			659	40000	146	MSF	MOWING	
								12,911			12,911			670	00200	12,911	SY	VEGETATED SWALE EROSION PROTECTION	
			799	125							924			670	00720	924	SY	DITCH EROSION PROTECTION MAT, TYPE B	
								LS			LS			832	15000	LS		STORM WATER POLLUTION PREVENTION PLAN	
								LS			LS			832	15002	LS		STORM WATER POLLUTION PREVENTION INSPECTIONS	
								LS			LS			832	15010	LS		STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE	
								356,639			356,639			832	30000	356,639	EACH	EROSION CONTROL	
			33								33			836	10000	33	SY	SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 1	
				4							4			836	10020	4	SY	SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 2	
																		DRAINAGE	
			2.1	2.4							4.5			602	20000	4.5	CY	CONCRETE MASONRY	
	200					600					800			605	13300	800	FT	6" UNCLASSIFIED PIPE UNDERDRAINS	
					24,392	18,641					43,033			605	14000	43,033	FT	6" BASE PIPE UNDERDRAINS	
					494	439					933			611	00510	933	FT	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS	
			24								24			611	00900	24	FT	6" CONDUIT, TYPE B	
	200										200			611	01500	200	FT	6" CONDUIT, TYPE F	
			1,882	919							2,801			611	05900	2,801	FT	15" CONDUIT, TYPE B	
			60	337							397			611	06100	397	FT	15" CONDUIT, TYPE C	
			131	75							206			611	06700	206	FT	15" CONDUIT, TYPE F 707.05 TYPE C, 707.21, OR 707.33	
			10								10			611	07200	10	FT	18" CONDUIT, TYPE A	
			485								485			611	07400	485	FT	18" CONDUIT, TYPE B	
			64								64			611	07600	64	FT	18" CONDUIT, TYPE C	
				20							20			611	10600	20	FT	24" CONDUIT, TYPE C	
			10								10			611	19600	10	FT	42" CONDUIT, TYPE C, 707.05 OR 707.07	
			2	1							3			611	98180	3	EACH	CATCH BASIN, NO. 3A	
			1								1			611	98230	1	EACH	CATCH BASIN, NO. 4	
			1	1							2			611	98300	2	EACH	CATCH BASIN, NO. 5	
			1								1			611	98370	1	EACH	CATCH BASIN, NO. 6	
			1	3							4			611	98630	4	EACH	CATCH BASIN ADJUSTED TO GRADE	
			1								1			611	98631	1	EACH	CATCH BASIN ADJUSTED TO GRADE, AS PER PLAN	P.022
			11	1							12			611	99114	12	EACH	INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE D	
			4	12							16			611	99080	16	EACH	BARRIER INLET, SINGLE SLOPE, 81"	
			3								3			611	99574	3	EACH	MANHOLE, NO. 3	
	5				5	6					16			611	99710	16	EACH	PRECAST REINFORCED CONCRETE OUTLET	
			375								375			839	29000	375	FT	TRENCH DRAIN, TYPE A WITH STANDARD GRATE	
		1,250					217,156				218,406			254	01000	218,406	SY	PAVEMENT PLANING, ASPHALT CONCRETE (1.5" DEEP)	
							23,128				23,128			302	56000	23,128	CY	ASPHALT CONCRETE BASE, PG64-22, (449)	
							13,332				13,332			304	20000	13,332	CY	AGGREGATE BASE	
							32,747				32,747			407	20000	32,747	GAL	NON-TRACKING TACK COAT	
							12,072				12,072			442	10000	12,072	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446)	
							3,570				3,570			442	10100	3,570	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446)	
							624				624			452	13010	624	SY	9" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P	
							398				398			452	14010	398	SY	10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P	
							1,752				1,752			452	15010	1,752	SY	12" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P	
									30		30			625	00450	30	EACH	CONNECTION, FUSED PULL APART	
									42		42			625	00480	42	EACH	CONNECTION, UNFUSED PERMANENT	
									1		1			625	13200	1	EACH	LIGHT TOWER, BBBB100	
									3		3			625	14200	3	EACH	LIGHT POLE FOUNDATION, 24" X 10' DEEP	
									7		7			625	15200	7	EACH	LIGHT TOWER FOUNDATION, 36" X 25' DEEP	
									1		1			625	21400	1	EACH	LIGHT TOWER MAINTENANCE PLATFORM, MISC.: REMOVE PLATFORM	P.568
							1,002				1,002			625	23304	1,002	FT	NO. 8 AWG 600 VOLT DISTRIBUTION CABLE	
							9,825				9,825			625	24320	9,825	FT	1-1/2" DUCT CABLE WITH THREE NO. 4 AWG 2400 VOLT CABLES	
									316		316			625	25200	316	FT	CONDUIT, 1-1/4", 725.04	
									927		927			625	25908	927	FT	CONDUIT, JACKED OR DRILLED, 725.052, HDPE (3")	

GENERAL SUMMARY

DESIGN AGENCY
TRANSYSYSTEMS
1100 SUPERIOR AVE. E., STE 1000
CLEVELAND, OHIO 44114

DESIGNER

RJG

REVIEWER

MSW 09/06/24

PROJECT ID

105435

SHEET

P.233

TOTAL

791

GENERAL SUMMARY

ESTIMATED QUANTITES SHEET NO.	202	202	202	202	202	202	202	202	202	202		202		202	202	202	202			
	HEADWALL REMOVED	PAVEMENT REMOVED	CONCRETE BARRIER REMOVED	CURB REMOVED	PIPE REMOVED, 24" AND UNDER	PIPE REMOVED, OVER 24"	GUARDRAIL REMOVED	BRIDGE TERMINAL ASSEMBLY REMOVED	ANCHOR ASSEMBLY REMOVED, TYPE E	ANCHOR ASSEMBLY REMOVED, TYPE T		CATCH BASIN REMOVED		FENCE REMOVED	REMOVAL MISC.:NOISE BARRIER POST AND FOUNDATION REMOVAL	REMOVAL MISC.:NOISE BARRIER PANEL REMOVAL AND DISPOSAL	REMOVAL MISC.: TRENCH DRAIN			
	EACH	SY	FT	FT	FT	FT	FT	EACH	EACH	EACH		EACH		FT	EACH	SF	FT			
P.241	1	40,155.8	1,492.9		65.6		1,609.8	4	8	6		2		241.3	47	13,545.0	298.8			
P.242	1	21,551.0		266.6	78.7	11.0	4,083.3	17	11	6		1								
P.243		247.4	170.0				3,065.9	2	4	4				161.0						
TOTALS CARRIED TO GENERAL SUMMARY	2	61,954	1,663	267	144	11	8,759	23	23	16		3		402	47	13,545	299			
ESTIMATED QUANTITES SHEET NO.	606	606	606	606	606	607	609	622	622	622	622	622	622	622	622	622	622	622	622	
	GUARDRAIL, TYPE MGS	ANCHOR ASSEMBLY, MGS TYPE E [MASH 2016]	ANCHOR ASSEMBLY, MGS TYPE T	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 2	FENCE, TYPE CLT	CURB, TYPE 4-C	CONCRETE BARRIER, SINGLE SLOPE, TYPE B1	CONCRETE BARRIER, SINGLE SLOPE, TYPE B1, AS PER PLAN	CONCRETE BARRIER, SINGLE SLOPE, TYPE D	CONCRETE BARRIER, SINGLE SLOPE, 81"	BARRIER TRANSITION	CONCRETE BARRIER END SECTION, TYPE B1	CONCRETE BARRIER END SECTION, TYPE D	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE B1	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE D	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, 81"	BARRIER, MISC.: CONCRETE BARRIER END SECTION, 81" TO 57" TRANSITION	BARRIER, MISC.: CONCRETE BARRIER END SECTION, 81" TO 42" TRANSITION	
	FT	EACH	EACH	EACH	EACH	FT	FT	FT	FT	FT	FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	
P.244	2,612.5	9	7	4	2	254.0	475.3	307.0	113.0	2515.3	642.3	2		4	12	15	8		2	
P.245	5,238.0	5	7	11	13		321.0			309.0				10						
P.246	25.0	1		1		161.0	19.0				3953.0		1				30	1		
TOTALS CARRIED TO GENERAL SUMMARY	7,875.5	15	14	16	15	415	815	307	113	2,824	4,595	2	1	14	12	15	38	1	2	

FRA-71/270-28.27/25.99A

MODEL: Removal Sheet 1 PAPER SIZE: 34x22 (in.) DATE: 3/7/2025 TIME: 8:18:30 AM USER: iwilson
 www:\llq-pwinfo1\o-e.transyscorp.com\transyscorp-pw\1\Documents\Reports_2020\CL402402200080\Agency_Folders\400-Engineering\Roadway\Sheets\105435_GS001.dgn

REF NO.	SHEET NO.	ALIGNMENT	STATION TO STATION		SIDE	PLANIMETERED AREAS	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202
							HEADWALL REMOVED	PAVEMENT REMOVED	CONCRETE BARRIER REMOVED	PIPE REMOVED, 24" AND UNDER	PIPE REMOVED, OVER 24"	GUARDRAIL REMOVED	BRIDGE TERMINAL ASSEMBLY REMOVED	ANCHOR ASSEMBLY REMOVED, TYPE E		ANCHOR ASSEMBLY REMOVED, TYPE T	CATCH BASIN REMOVED		FENCE REMOVED	REMOVAL MISC.:NOISE BARRIER POST AND FOUNDATION REMOVAL	REMOVAL MISC.:NOISE BARRIER PANEL REMOVAL AND DISPOSAL	REMOVAL MISC.: TRENCH DRAIN		
			EACH	SY			FT	FT	FT	FT	EACH	EACH		EACH	EACH		FT	EACH	SF	FT				
R-1	P.257	IR-71	130+76.72	138+50.00	RT	25,732.0		2,859.1																
R-2	P.257	IR-71	133+12.92	136+87.46	RT						286.1	1	1											
R-3	P.257	IR-71	136+50.00	140+50.00	CTR	8,801.4		977.9																
R-4	P.257	IR-71	136+50.00	140+50.00	CTR				400.0															
R-5	P.257	IR-71	136+61.48	137+25.26	LT						13.5	1	1											
R-6	P.257	IR-71	136+75.37	140+62.00	LT	760.2		84.5																
R-7	P.257	IR-71	136+75.37	140+62.00	LT																			
R-8	P.257	IR-71	136+86.87	139+93.30	RT																			
R-10	P.258	IR-71	138+50.00	151+00.00	RT	45,868.4		5,096.5																
R-11	P.258	IR-71	139+92.52	141+30.44	LT						99.7	1			1									
R-19	P.259	IR-71	151+00.00	163+50.00	RT	45,962.2		5,106.9																
R-25	P.260	IR-71	163+50.00	176+00.00	RT	43,910.4		4,878.9																
R-26	P.260	IR-71	167+64.40	177+35.13	RT																			
R-27	P.260	IR-71	168+04.40	168+63.23	RT					60.1						1								
R-28	P.260	IR-71	168+50.84	168+58.71	RT														151.6					
R-29	P.260	IR-71	168+75.15	177+28.51	RT															47	13,545.0			
R-30	P.260	IR-71	173+23.65	174+10.38	RT														89.8					
R-32	P.261	IR-71	176+00.00	188+50.00	RT	44,010.1		4,890.0																
R-34	P.262	IR-71	188+50.00	192+20.00	RT	13,968.0		1,552.0																
R-41	P.263	RAMP M	70+45.69	74+75.00	CTR	14,750.8		1,639.0																
R-43	P.264	RAMP M	74+75.00	79+75.00	CTR	16,698.1		1,855.3																
R-44	P.264	RAMP M	76+04.60	77+18.68	RT						51.9		1		1									
R-45	P.264	RAMP M	76+10.47	77+30.13	LT	1,200.0		133.3																
R-46	P.264	RAMP M	76+10.47	77+30.13	LT						45.0	1	1											
R-47	P.264	RAMP M	76+10.47	77+30.13	LT				120.0															
R-49	P.265	RAMP M	79+75.00	84+75.00	CTR	14,549.9		1,616.7																
R-51	P.266	RAMP M	84+75.00	89+75.00	CTR	17,445.4		1,938.4																
R-54	P.267	RAMP M	89+75.00	94+75.00	CTR	20,687.2		2,298.6																
R-55	P.267	RAMP M	93+43.82	93+46.88	RT		1		5.5															
R-57	P.268	RAMP M	94+75.00	99+75.00	CTR	13,982.7		1,553.6																
R-58	P.268	RAMP M	94+96.09	96+11.44	RT						52.2		1		1									
R-59	P.268	RAMP M	94+98.32	96+08.94	LT						52.5		1		1									
R-62	P.269	RAMP M	99+75.00	104+75.00	CTR	17,638.9		1,959.9																
R-63	P.269	RAMP M	101+90.86	104+75.00	LT																	298.8		
R-67	P.270	RAMP M	104+75.00	109+50.00	CTR	15,436.8		1,715.2																
R-68	P.270	RAMP M	105+43.11	105+43.11	LT																			
R-69	P.270	RAMP M	108+31.02	109+56.19	LT						93.5		1		1									
SUBTOTAL CARRIED TO SHEET P.240							1	40,155.8	1,492.9	65.6		1,609.8	4	8		6	2		241.3	47	13,545.0	298.8		

REMOVAL ESTIMATED QUANTITIES

TRANSYSTEMS
11100 SUPERIOR AVE. E., STE 1000
CLEVELAND, OHIO 44114

DESIGNER
RJG

REVIEWER
MSW 09/06

PROJECT ID
105435

SHEET	TOTAL
P.241	7

REF NO.	SHEET NO.	ALIGNMENT	STATION TO STATION		SIDE	PLANIMETERED AREAS	202	202	202	202	202	202	202	202	202	202		202	202	202	202			
							HEADWALL REMOVED	PAVEMENT REMOVED	CONCRETE BARRIER REMOVED	CURB REMOVED	PIPE REMOVED, 24" AND UNDER	PIPE REMOVED, OVER 24"	GUARDRAIL REMOVED	BRIDGE TERMINAL ASSEMBLY REMOVED	ANCHOR ASSEMBLY REMOVED, TYPE E	ANCHOR ASSEMBLY REMOVED, TYPE T	CATCH BASIN REMOVED		FENCE REMOVED	REMOVAL MISC.:NOISE BARRIER POST AND FOUNDATION REMOVAL	REMOVAL MISC.:NOISE BARRIER PANEL REMOVAL AND DISPOSAL	REMOVAL MISC.: TRENCH DRAIN		
			FROM	TO			EACH	SY	FT	FT	FT	FT	FT	EACH	EACH	EACH	EACH		FT	EACH	SF	FT		
R-72	P.271	RAMP P	996+51.20	1001+00.00	LT	8,396.0		932.9																
R-73	P.272	RAMP P	1001+00.00	1006+00.00	LT	10,783.6		1,198.2																
R-74	P.273	RAMP P	1006+00.00	1011+00.00	CTR	13,990.0		1,554.4																
R-75	P.273	RAMP P	1006+19.70	1011+76.03	LT								465.1	1	1									
R-76	P.273	RAMP P	1008+71.62	1011+57.04	RT								214.1	1	1									
R-80	P.274	RAMP P	1011+00.00	1011+61.21	CTR	1,785.8		198.4																
R-81	P.274	RAMP P	1011+16.16	1011+71.95	LT					52.7														
R-82	P.274	RAMP P	1011+17.42	1011+56.20	RT					39.4														
R-83	P.275	RAMP P	1019+00.00	1019+00.00	LT/RT						67.7						1							
R-84	P.275	RAMP P	1018+02.46	1019+40.73	RT								102.2	1		1								
R-85	P.275	RAMP P	1018+16.90	1021+00.00	CTR	8,628.1		958.7																
R-86	P.275	RAMP P	1018+75.93	1019+58.00	LT								41.2	1		1								
R-87	P.275	RAMP P	1018+05.43	1018+96.86	RT					91.9														
R-88	P.275	RAMP P	1018+80.02	1019+08.75	LT					27.5														
R-89	P.276	RAMP P	1021+00.00	1025+17.06	CTR	15,452.5		1,716.9																
R-90	P.276	RAMP P	1024+04.46	1025+42.55	RT								62.8	1	1									
R-93	P.277	RAMP K	14+12.86	19+49.62	LT								464.7	1	1									
R-94	P.277	RAMP K	14+73.00	17+00.00	CTR	8,506.2		945.1																
R-95	P.277	RAMP K	16+06.64	19+91.44	RT								304.2	1	1									
R-99	P.278	RAMP K	17+00.00	19+99.87	CTR	10,489.7		1,165.5																
R-101	P.278	RAMP K	21+50.39	24+90.68	LT								302.9	1		1								
R-104	P.279	RAMP K	21+43.76	25+05.72	CTR	12,372.2		1,374.7																
R-105	P.279	RAMP K	22+00.00	24+44.59	RT								208.9	1		1								
R-106	P.279	RAMP K	23+23.56	23+28.63	RT							11.0												
R-109	P.280	RAMP K	27+76.04	32+00.00	CTR	15,207.0		1,689.7																
R-110	P.280	RAMP K	27+85.82	29+75.25	RT/LT								115.5	1	1									
R-111	P.280	RAMP K	27+91.43	31+78.84	LT								290.7	1	1									
R-112	P.280	RAMP K	28+10.45	28+13.42	RT		1				11.0													
R-117	P.281	RAMP K	32+00.00	36+34.51	CTR	16,275.5		1,808.4																
R-122	P.282	RAMP O	18+73.96	23+00.00	RT								373.4	1	1									
R-123	P.282	RAMP O	18+78.20	23+00.00	LT								340.8	1	1									
R-124	P.282	RAMP O	19+00.00	23+00.00	CTR	15,631.8		1,736.9																
R-129	P.283	RAMP O	23+00.00	25+39.63	LT								204.2	1		1								
R-130	P.283	RAMP O	23+00.00	25+57.58	CTR	17,154.4		1,906.0																
R-131	P.283	RAMP O	23+00.00	25+44.98	RT								221.7	1		1								
R-132	P.283	RAMP O	25+45.08	25+58.78	RT					14.5														
R-133	P.283	RAMP O	25+39.73	25+52.50	LT					13.1														
R-136	P.284	RAMP O	28+08.34	33+00.00	CTR	18,631.3		2,070.1																
R-137	P.284	RAMP O	28+22.08	30+32.59	RT								147.1	1	1									
R-138	P.284	RAMP O	28+26.61	31+23.78	LT								223.9	1	1									
R-139	P.284	RAMP O	28+08.04	28+21.78	RT					14.4														
R-140	P.284	RAMP O	28+12.69	28+25.60	LT					13.1														
R-143	P.285	RAMP O	33+00.00	36+89.62	CTR	14,621.7		1,624.6																
R-148	P.286	RAMP N	141+75.00	146+58.72	CTR	14,429.2		1,603.2																
SUBTOTAL CARRIED TO SHEET P.240							1	21,551.0		266.6	78.7	11.0	4,083.3	17	11	6	1							

FRA-71/270-28.27/25.99A

MODEL: Removal Sheet 3 PAPERSIZE: 34x22 (in.) DATE: 3/7/2025 TIME: 8:19:29 AM USER: iijwilson
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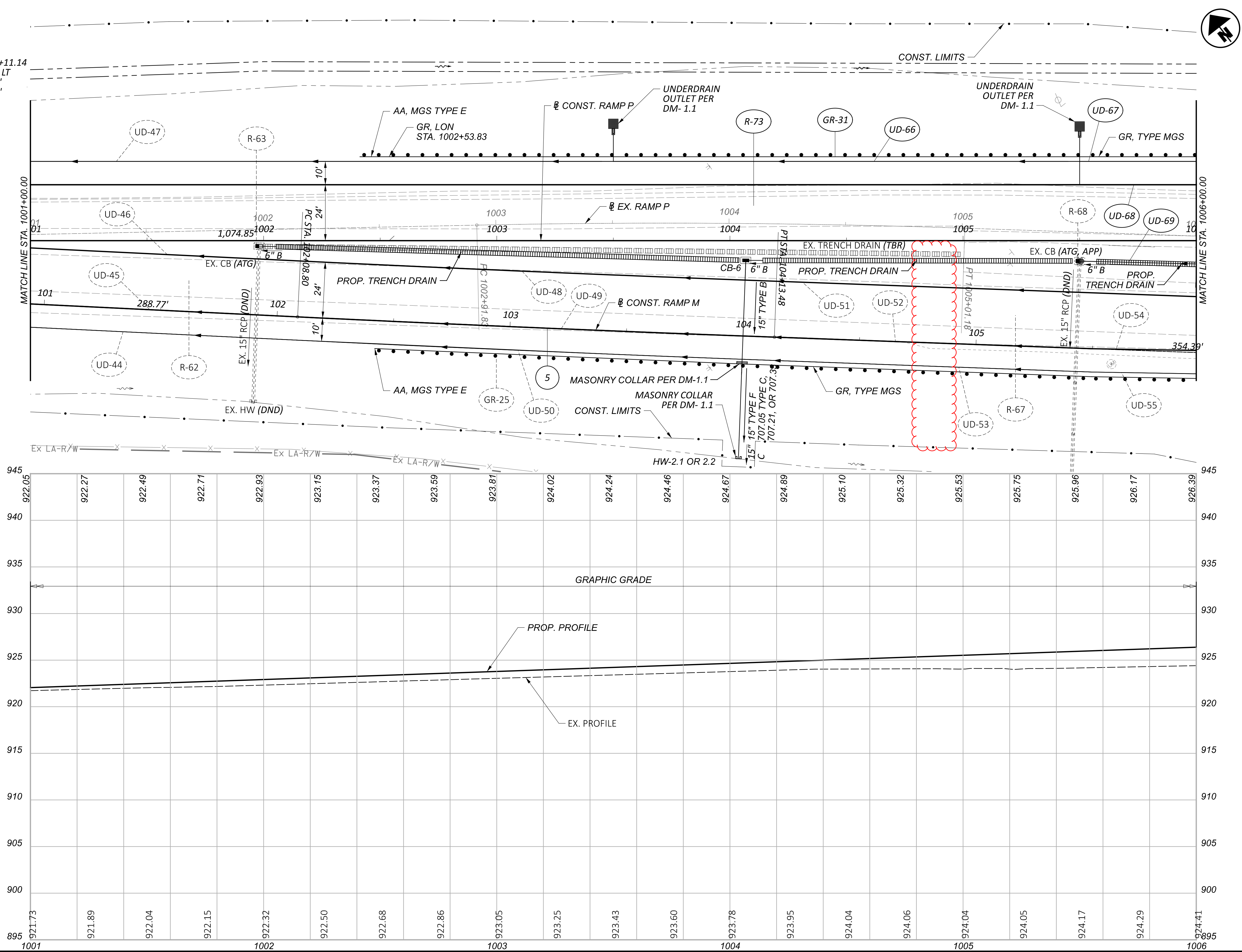
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REMOVAL ESTIMATED QUANTITIES

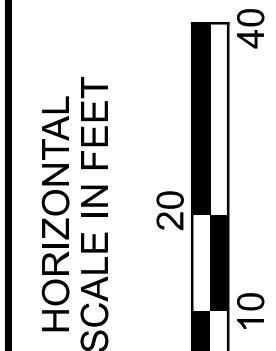
DESIGN AGENCY	
TRANSYSTEMS	1100 SUPERIOR AVE., STE. 1000
	CLEVELAND, OHIO 44114
DESIGNER	
RJG	
REVIEWER	
MSW 09/06/24	
PROJECT ID	
105435	
SHEET	TOTAL
P.243	791

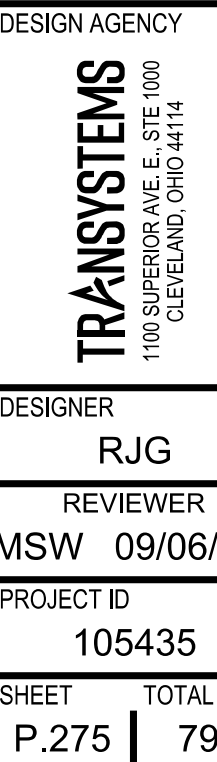
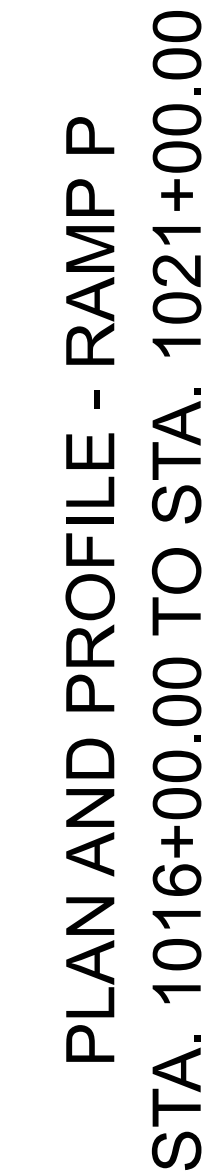
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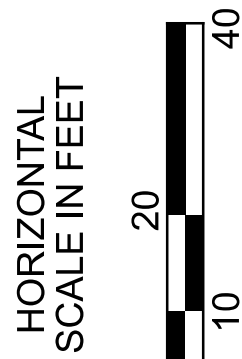
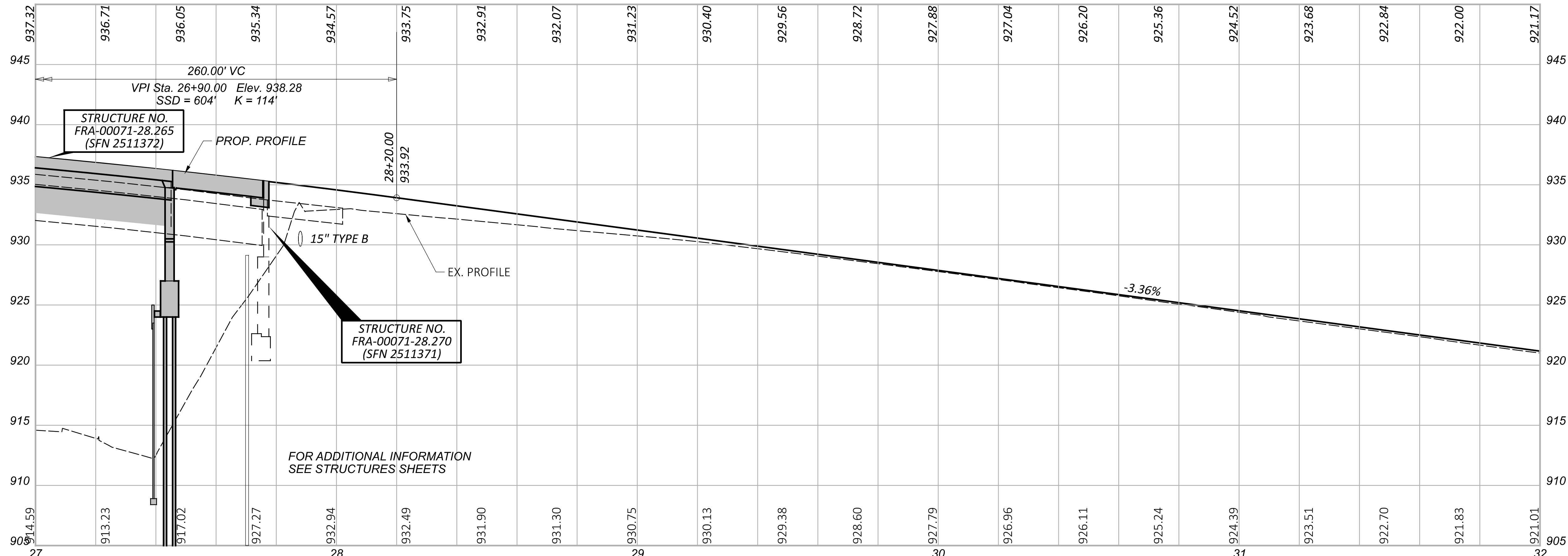
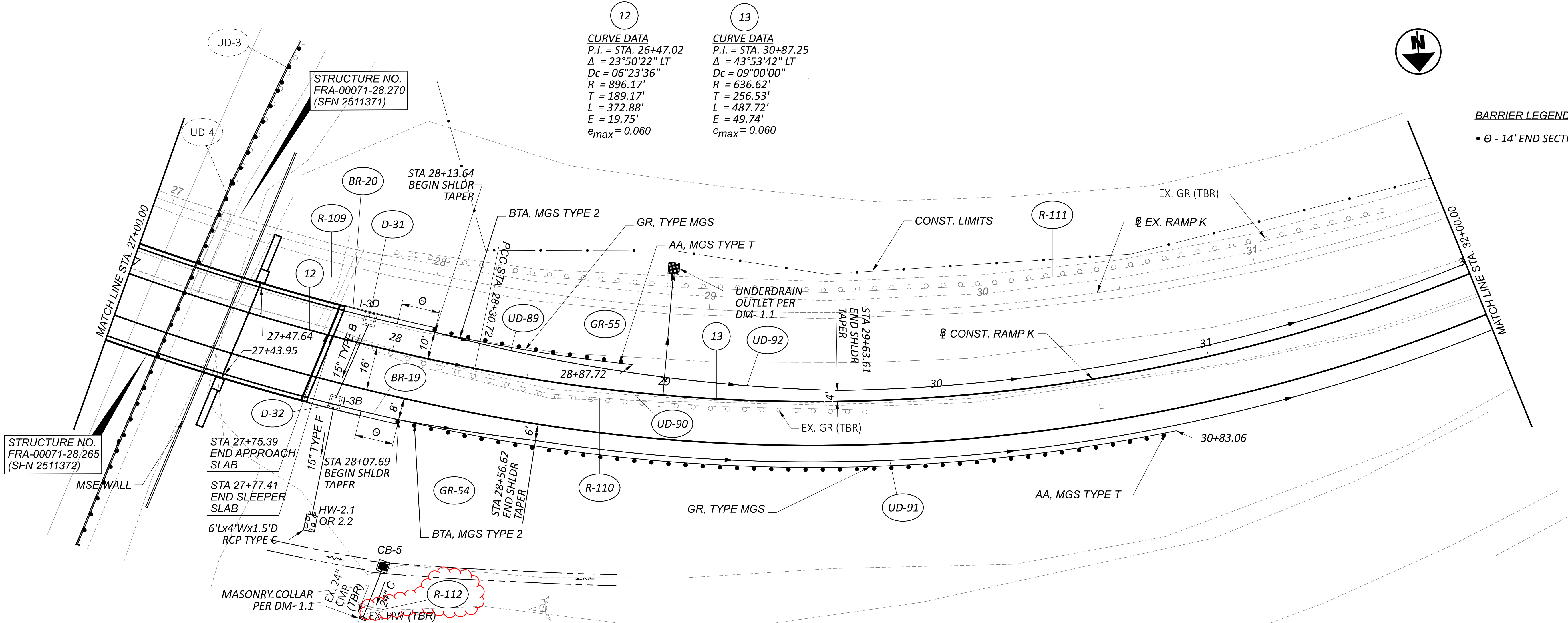
5
CURVE DATA
P.I. = STA. 103+11.14
 $\Delta = 00^{\circ}40'56''$ LT
 $D_c = 00^{\circ}20'00''$
 $R = 17,188.73'$
 $T = 102.34'$
 $L = 204.68'$
 $E = 0.30'$
 $e_{max} = 0.016$



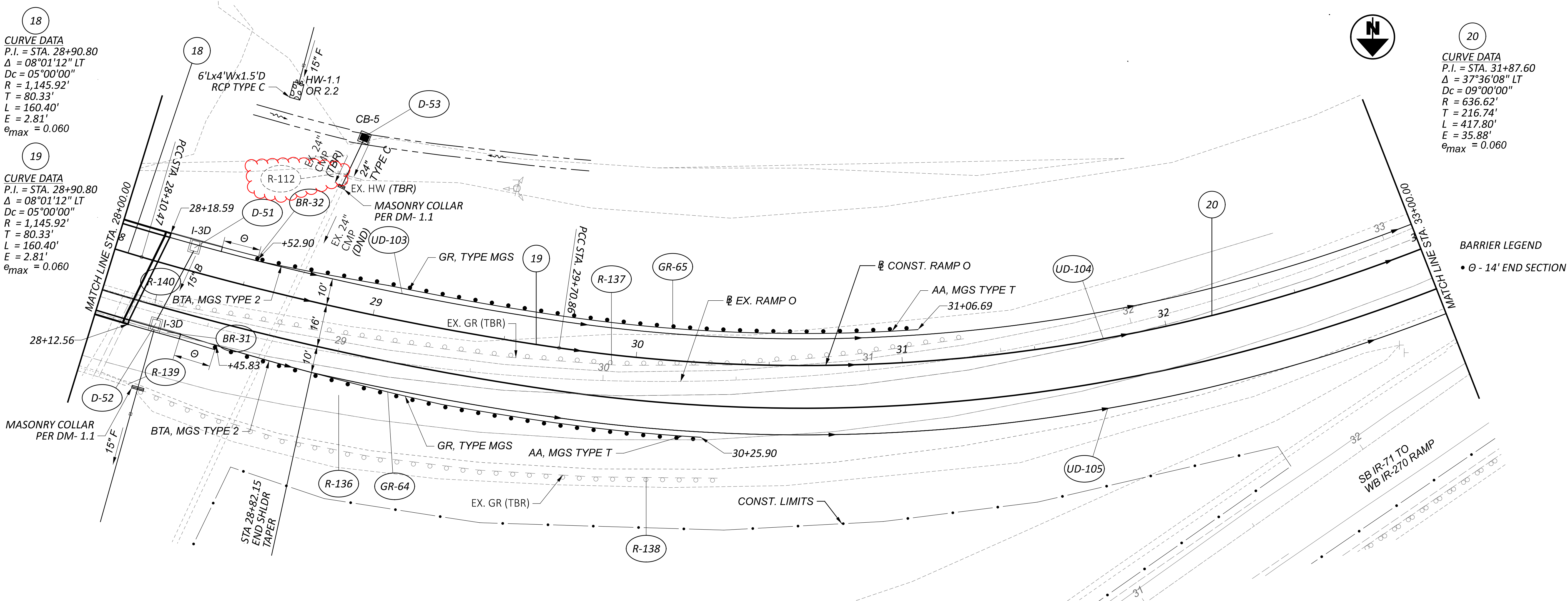
PLAN AND PROFILE - RAMP P
STA. 1001+00.00 TO STA. 1006+00.00

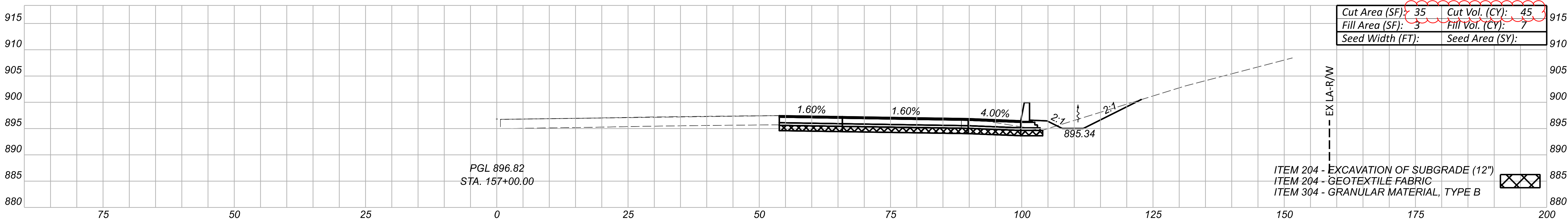
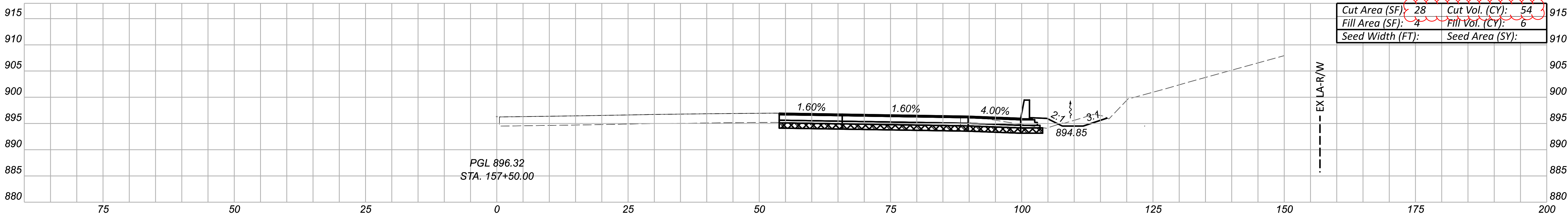
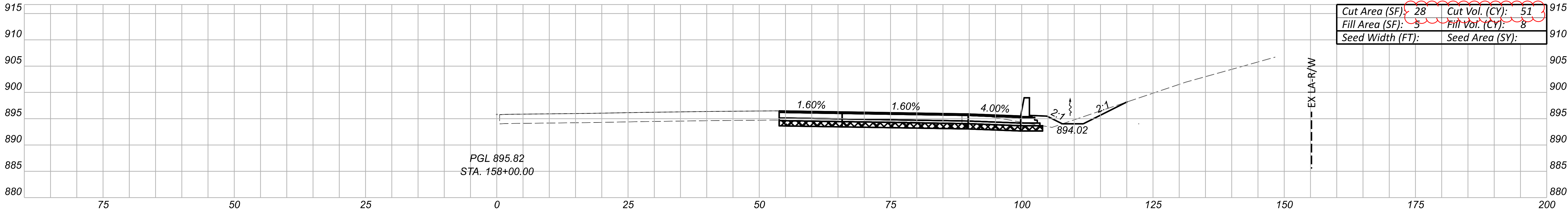
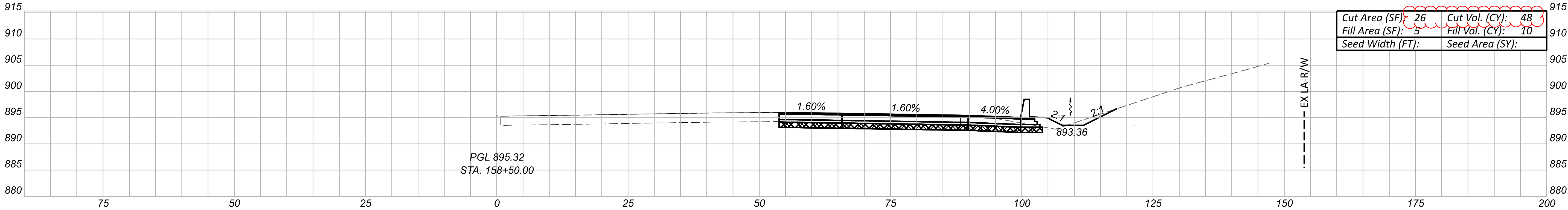






PLAN AND PROFILE - RAMP K
STA. 27+00.00 TO STA. 32+00.00





NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals		
Seeding	Cut	Fill
.	199	31

DESIGN AGENCY

TRANSYSTMS
1100 SUPERIOR AVE. E. STE 1000
CLEVELAND, OHIO 44114

DESIGNER

RJG

REVIEWER

MSW 09/06/24

PROJECT ID

105435

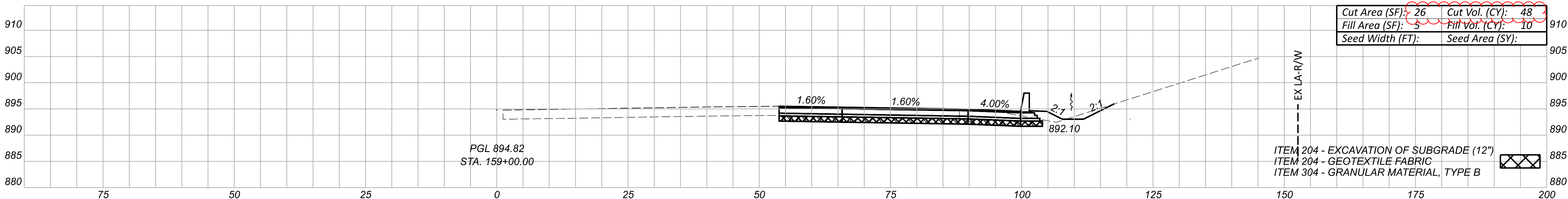
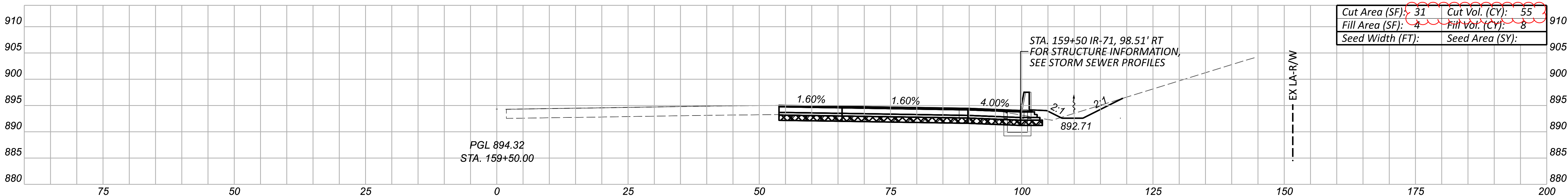
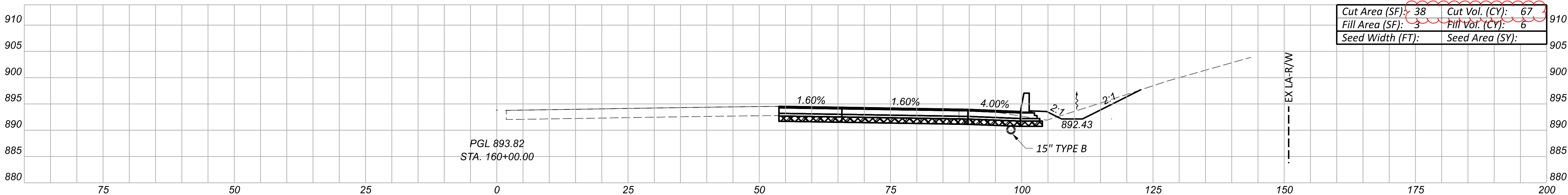
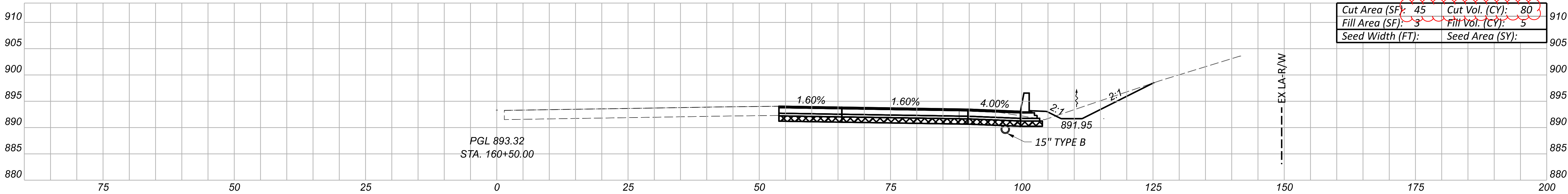
SHEET

P.312

TOTAL

791

CROSS SECTIONS - IR-71 NB
STA. 157+00.00 TO STA. 158+50.00

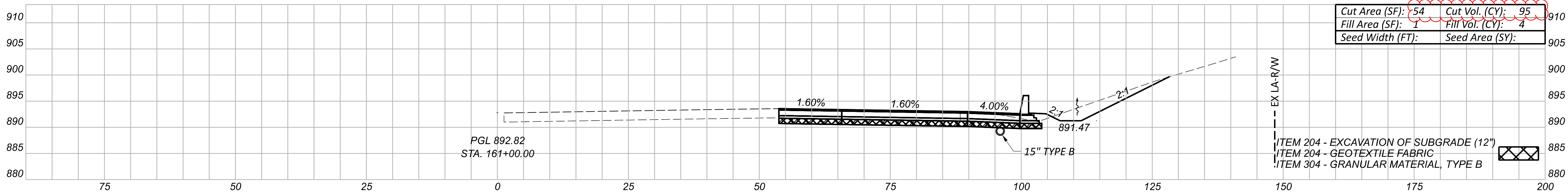
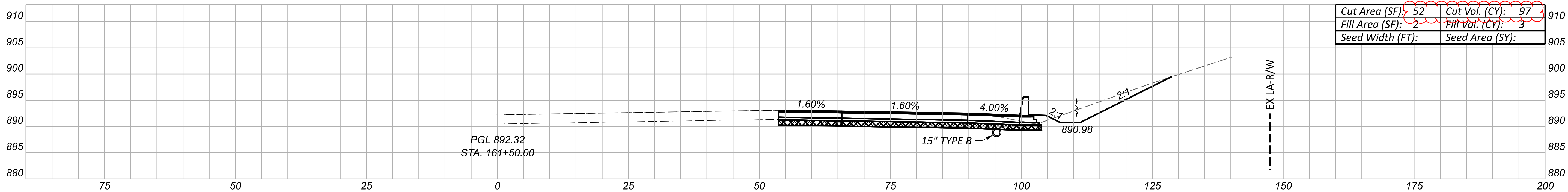
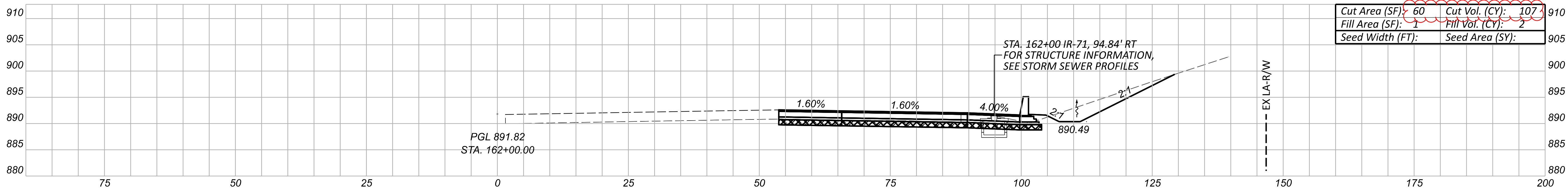
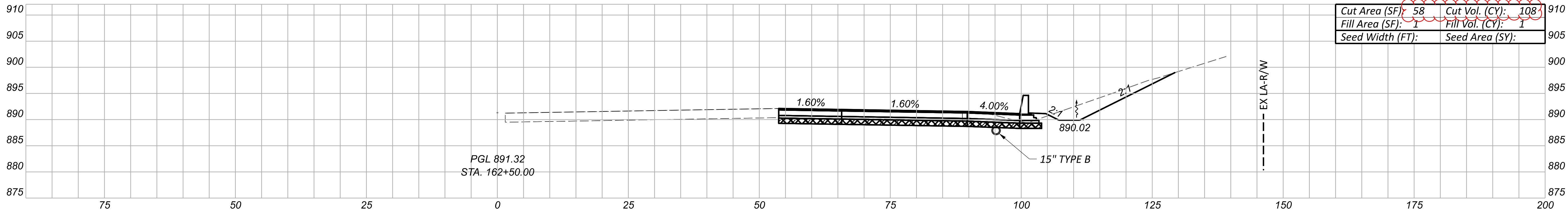


NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals		
Seeding	Cut	Fill
.	250	29

DESIGN AGENCY TRANSYSTMS 1100 SUPERIOR AVE. E. STE 1000 CLEVELAND, OHIO 44114	DESIGNER
	RJG
PROJECT ID 105435	REVIEWER
	MSW 09/06/24
SHEET P.313	TOTAL
	791

CROSS SECTIONS - IR-71 NB
STA. 159+00.00 TO STA. 160+50.00

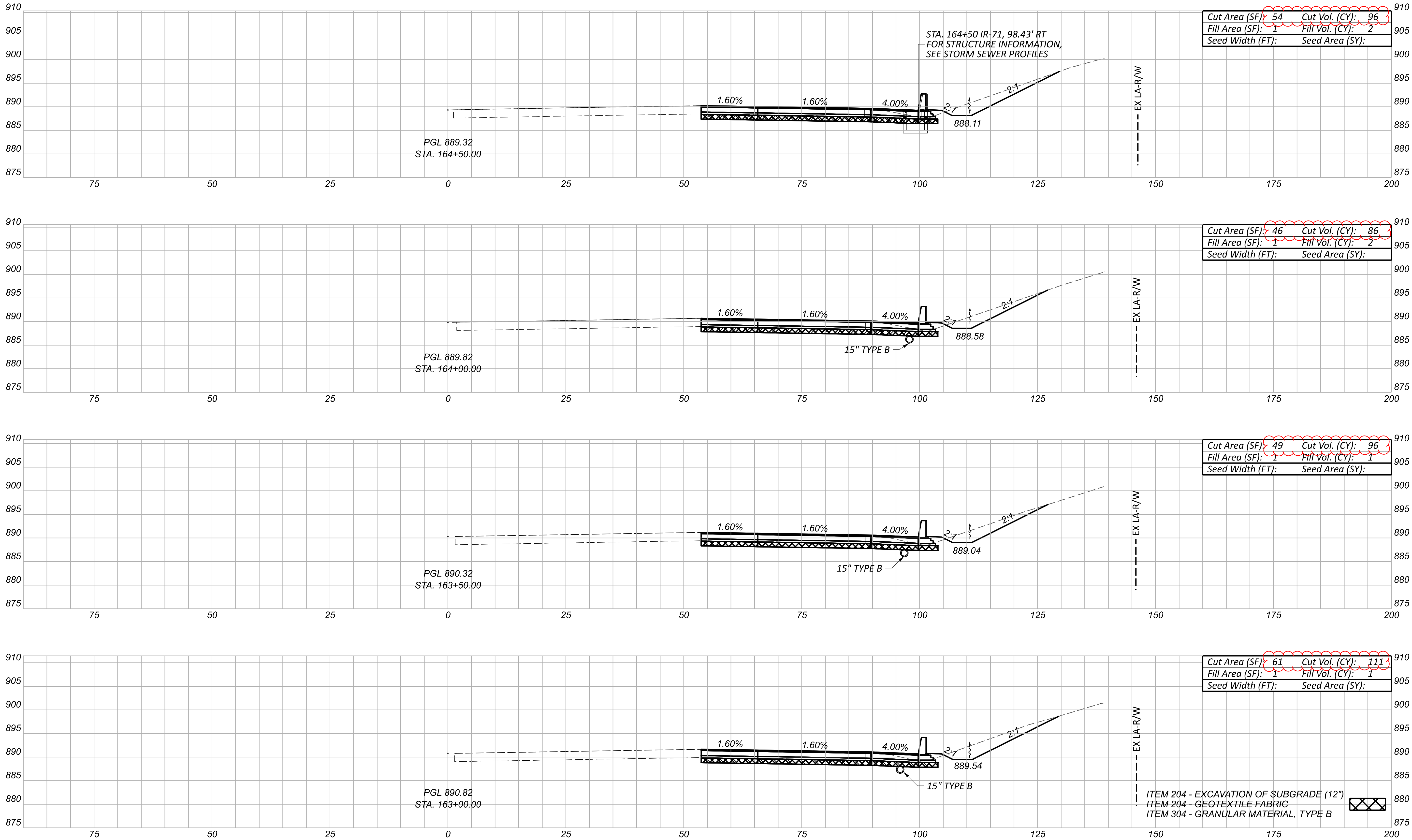


NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill		
.	488	10	P.314	791

CROSS SECTIONS - IR-71 NB
STA. 161+00.00 TO STA. 162+50.00

DESIGN AGENCY	TRANSYSTEMS
1100 SUPERIOR AVE. E. STE 1000 CLEVELAND, OHIO 44114	
DESIGNER	RJG
REVIEWER	MSW 09/06/24
PROJECT ID	105435

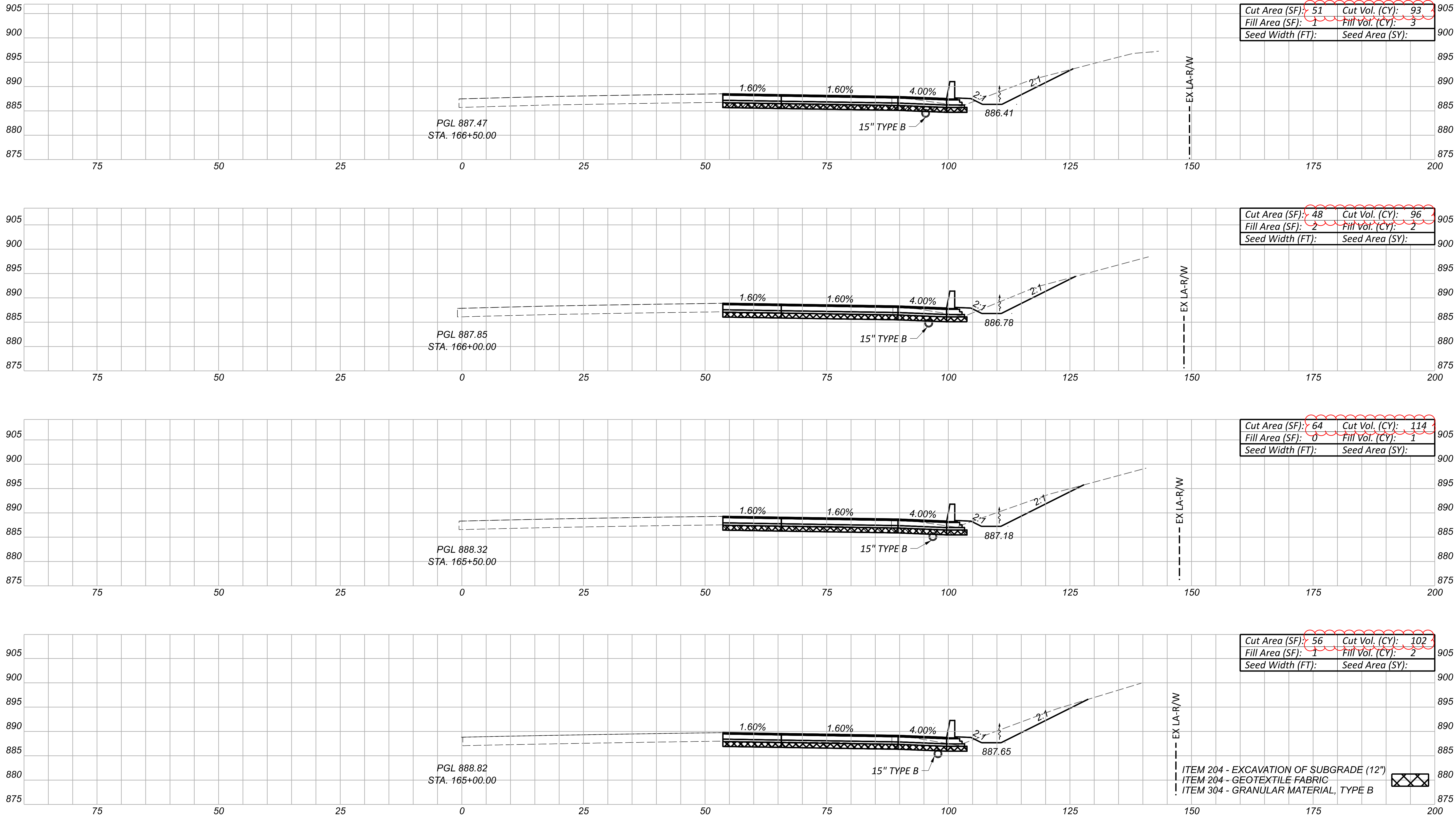


NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals		
Seeding	Cut	Fill
·	389	6

CROSS SECTIONS - IR-71 NB
STA. 163+00.00 TO STA. 164+50.00

DESIGN AGENCY	
TRANSYSTEMS 1100 SUPERIOR AVE. E. STE 1000 CLEVELAND, OHIO 44114	
DESIGNER	
RJG	
REVIEWER	
MSW 09/06/24	
PROJECT ID	
105435	
SHEET	TOTAL
P.315	791

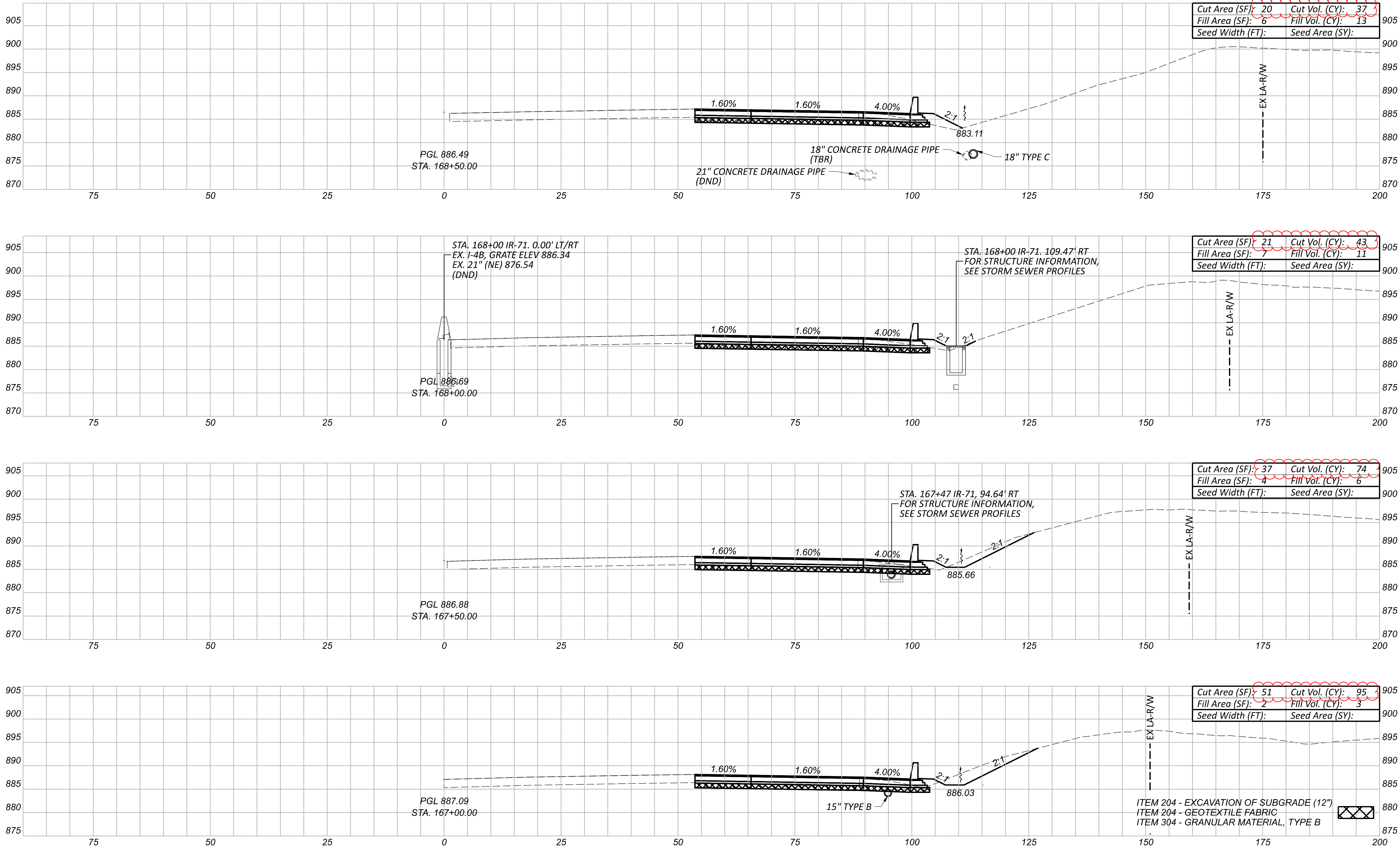


NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals		
Seeding	Cut	Fill
•	496	8

TRANSYSTEMS 1100 SUPERIOR AVE. E. STE 1000 CLEVELAND, OHIO 44114	DESIGN AGENCY
	RJG
PROJECT ID	MSW 09/06/24
	105435
SHEET	TOTAL
	P.316 791

CROSS SECTIONS - IR-71 NB
STA. 165+00.00 TO STA. 166+50.00



NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals			105435	
Seeding	Cut	Fill	SHEET	TOTAL
.	249	33	P.317	791

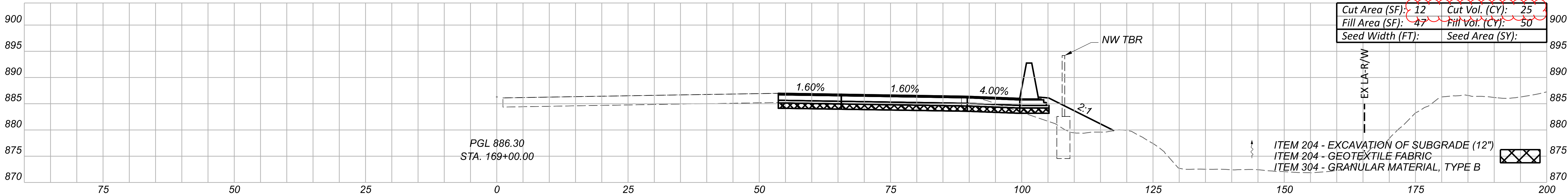
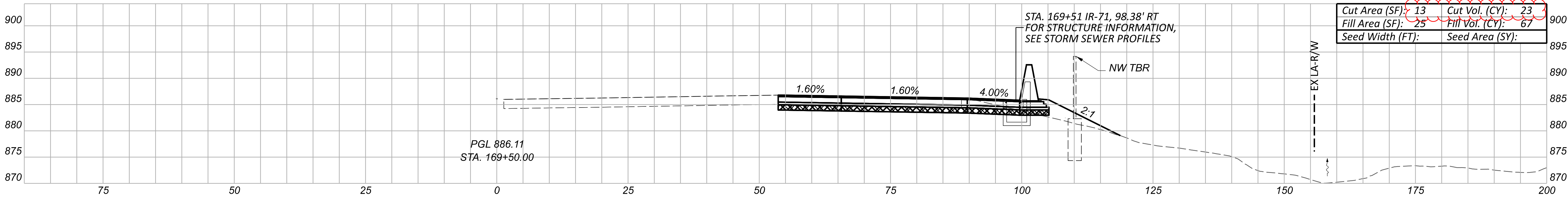
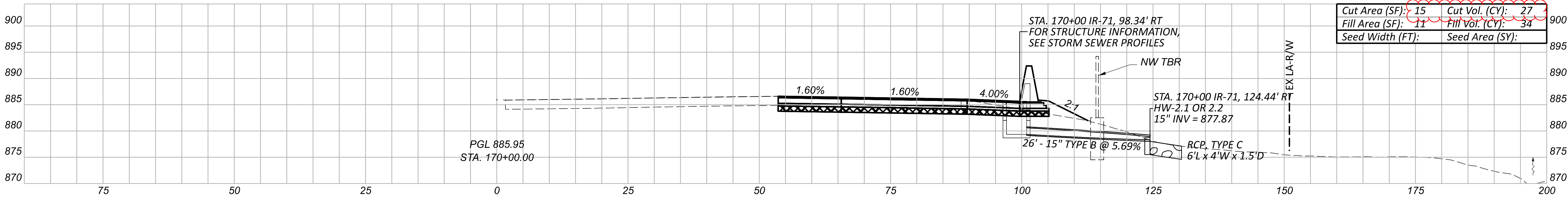
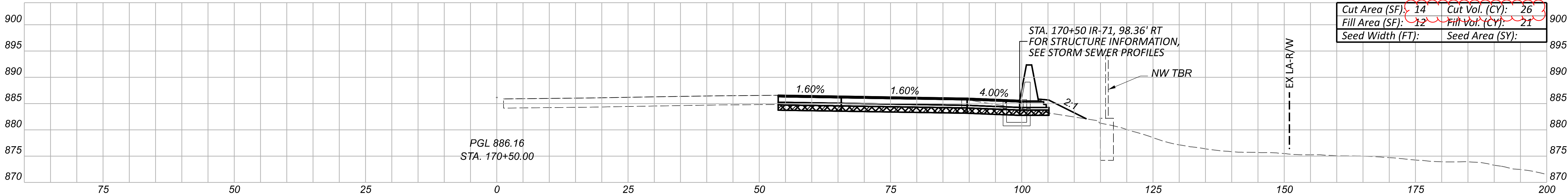
CROSS SECTIONS - IR-71 NB
STA. 167+00.00 TO STA. 168+50.00

DESIGN AGENCY
TRANSYSTEMS
1100 SUPERIOR AVE. E. STE 1000
CLEVELAND, OHIO 44114

DESIGNER
RJG

REVIEWER
MSW 09/06/24

PROJECT ID
105435



NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals		
Seeding	Cut	Fill
.	101	172

DESIGN AGENCY

TRANSYSTEMS
1100 SUPERIOR AVE. E. STE 1000
CLEVELAND, OHIO 44114

DESIGNER

RJG

REVIEWER

MSW 09/06/24

PROJECT ID

105435

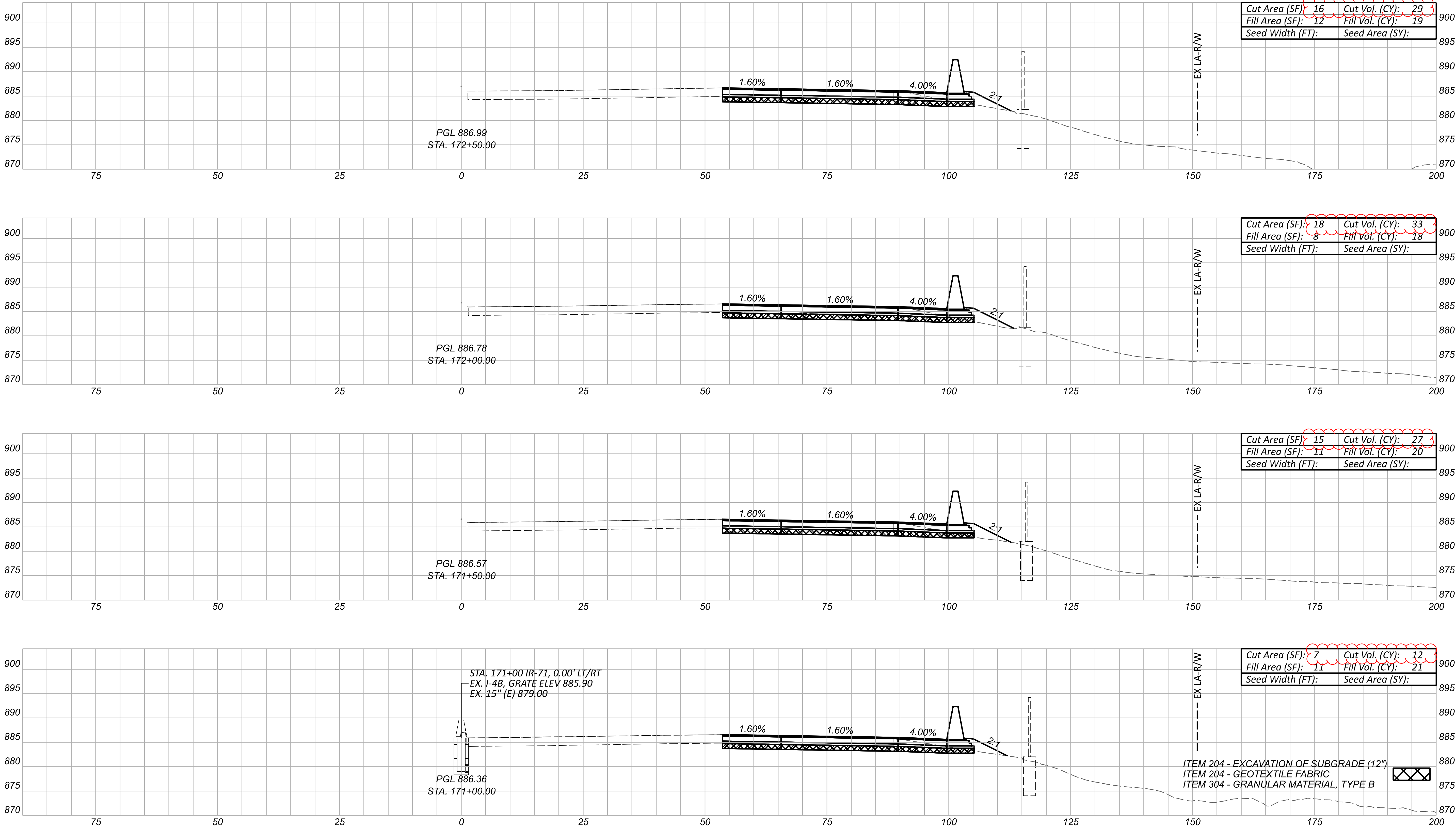
SHEET

P.318

TOTAL

791

CROSS SECTIONS - IR-71 NB
STA. 169+00.00 TO STA. 170+50.00

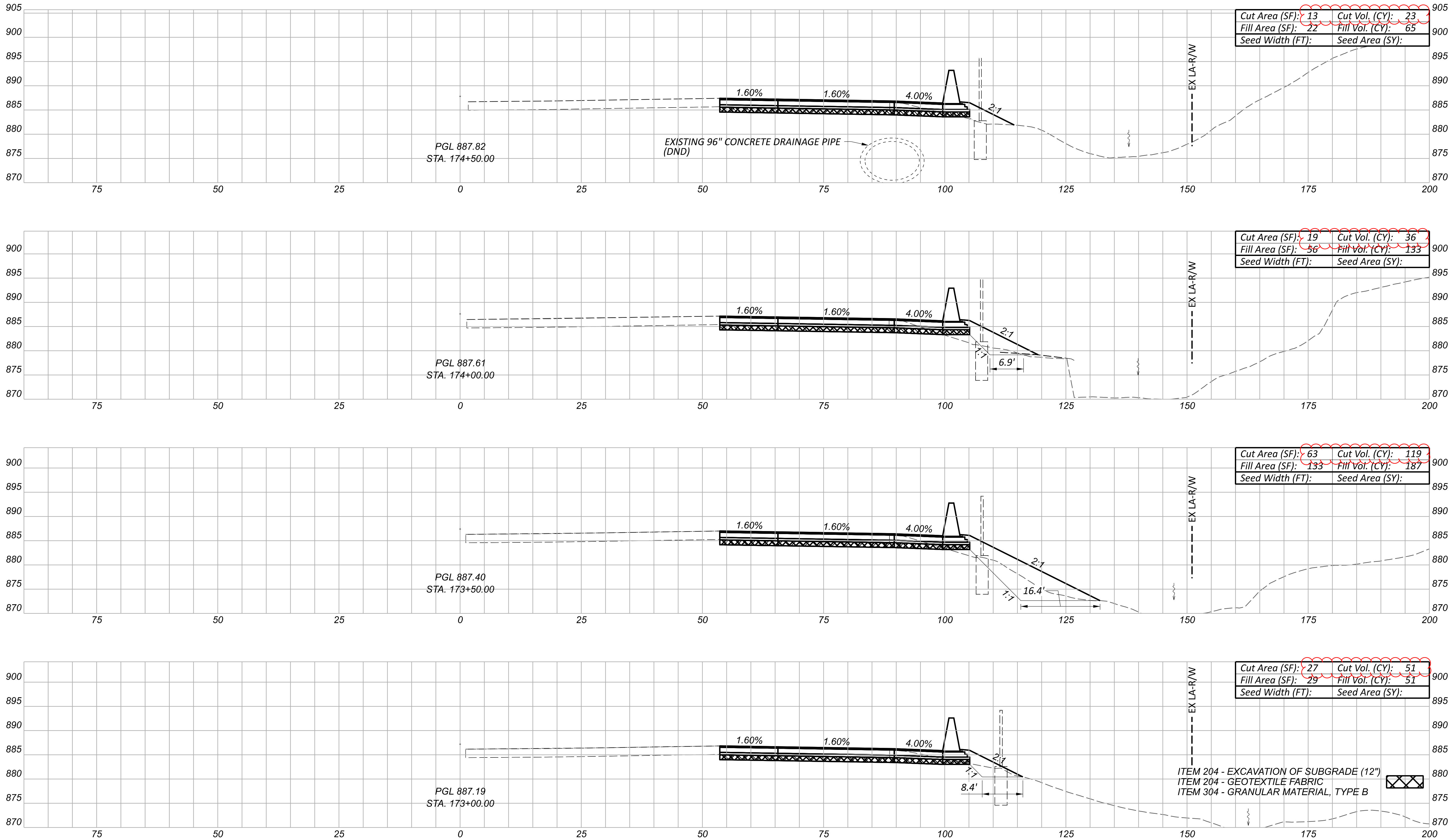


NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals		
Seeding	Cut	Fill
•	102	78

DESIGN AGENCY	
TRANSYSTEMS	
1100 SUPERIOR AVE. E. STE 1000	
CLEVELAND, OHIO 44114	
DESIGNER	
RJG	
REVIEWER	
MSW 09/06/24	
PROJECT ID	
105435	
SHEET	TOTAL
P.319	791

CROSS SECTIONS - IR-71 NB
STA. 171+00.00 TO STA. 172+50.00

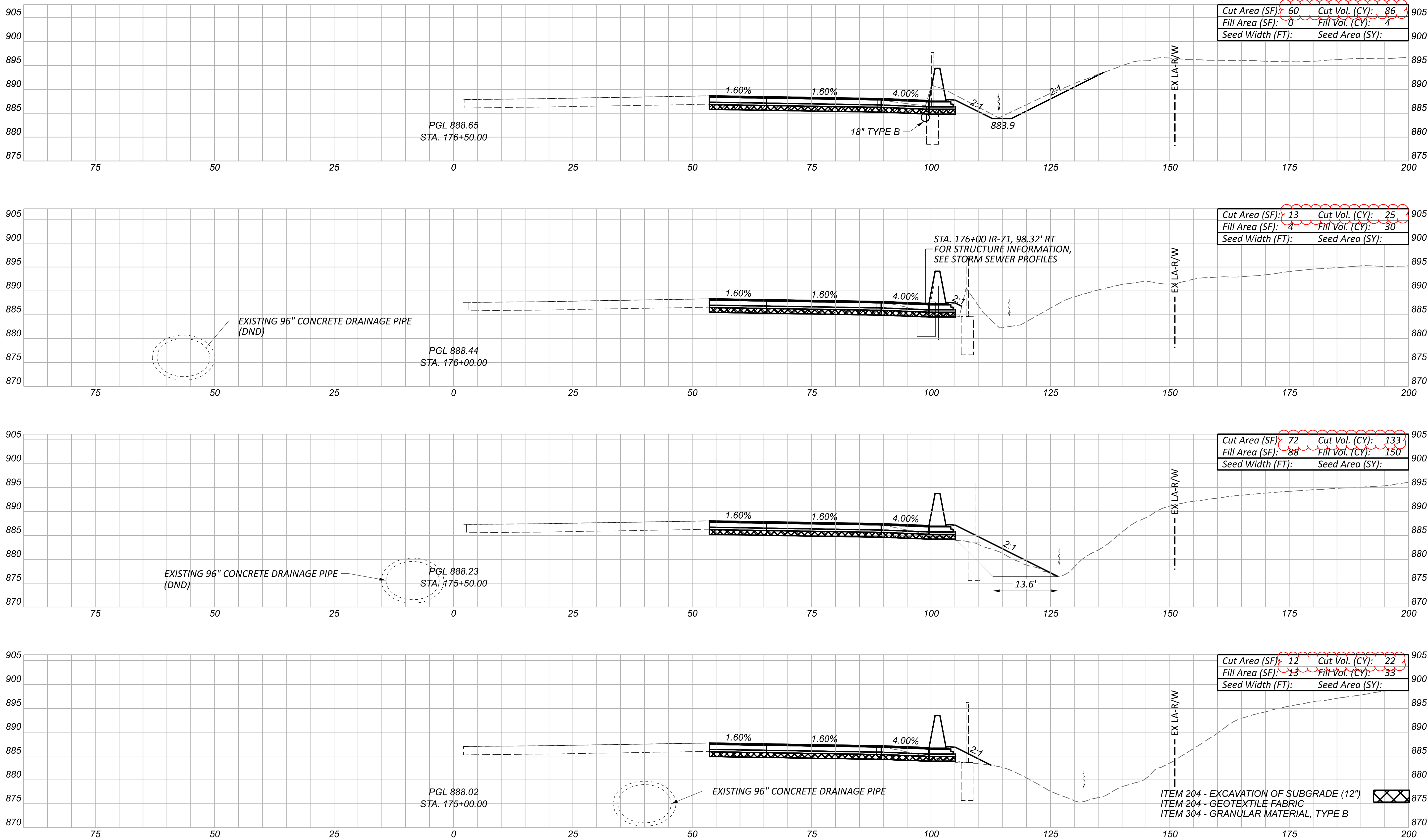


NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill		
•	229	436	P.320	791

CROSS SECTIONS - IR-71 NB
STA. 173+00.00 TO STA. 174+50.00

DESIGN AGENCY
TRANSYSTEMS 1100 SUPERIOR AVE. E. STE 1000 CLEVELAND, OHIO 44114
DESIGNER
RJG
REVIEWER
MSW 09/06/24
PROJECT ID
105435

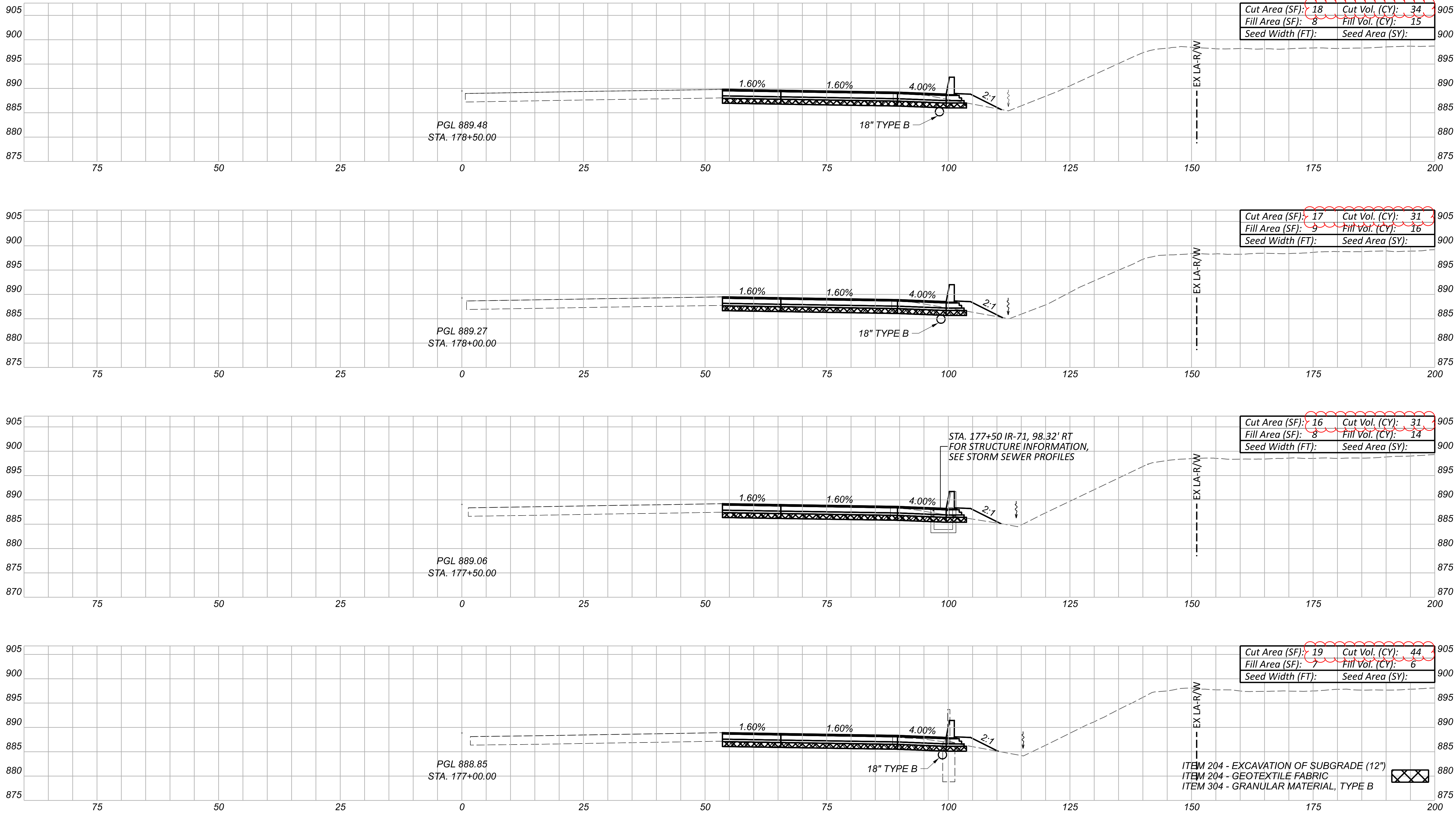


NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill		
•	266	213	P.321	791

CROSS SECTIONS - IR-71 NB
STA. 175+00.00 TO STA. 176+50.00

DESIGN AGENCY	TRANSYSTEMS
1100 SUPERIOR AVE. E. STE 1000 CLEVELAND, OHIO 44114	
DESIGNER	RJG
REVIEWER	MSW 09/06/24
PROJECT ID	105435
SHEET	P.321
TOTAL	791



NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals		
Seeding	Cut	Fill
139	51	

CROSS SECTIONS - IR-71 NB
STA. 177+00.00 TO STA. 178+50.00

DESIGN AGENCY
TRANSYSTEMS
1100 SUPERIOR AVE. E. STE 1000
CLEVELAND, OHIO 44114

DESIGNER

RJG

REVIEWER

MSW 09/06/24

PROJECT ID

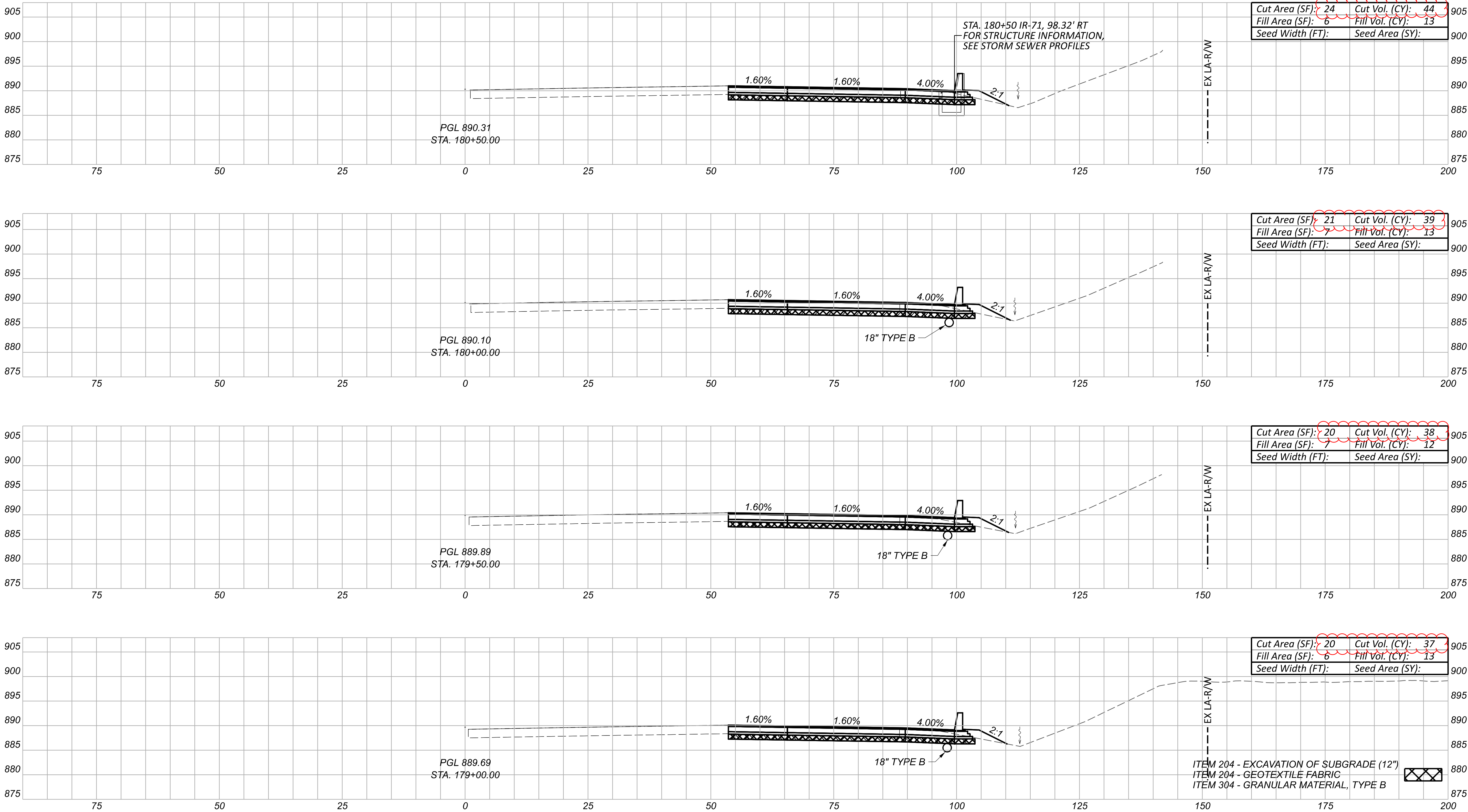
105435

SHEET

P.322

TOTAL

791

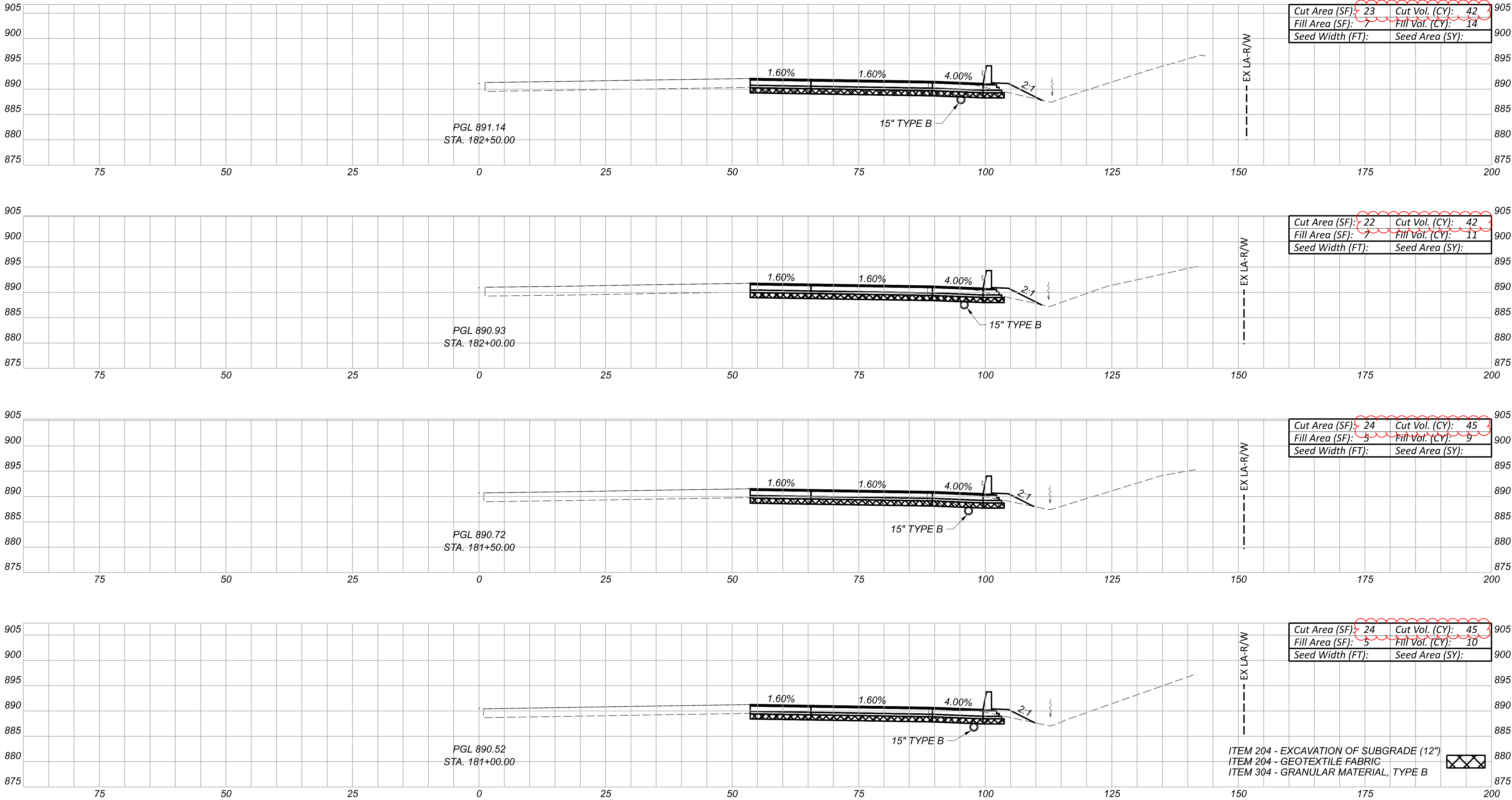


NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals		
Seeding	Cut	Fill
•	158	51

DESIGN AGENCY TRANSYSYSTEMS 1100 SUPERIOR AVE. E. STE 1000 CLEVELAND, OHIO 44114	DESIGNER
	RJG
PROJECT ID 105435	REVIEWER
	MSW 09/06/24
SHEET P.323	TOTAL 791

CROSS SECTIONS - IR-71 NB
STA. 179+00.00 TO STA. 180+50.00



NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals		
Seeding	Cut	Fill
.	174	44

CROSS SECTIONS - IR-71 NB
STA. 181+00.00 TO STA. 182+50.00

DESIGN AGENCY
TRANSYSTEMS
1100 SUPERIOR AVE. E. STE 1000
CLEVELAND, OHIO 44114

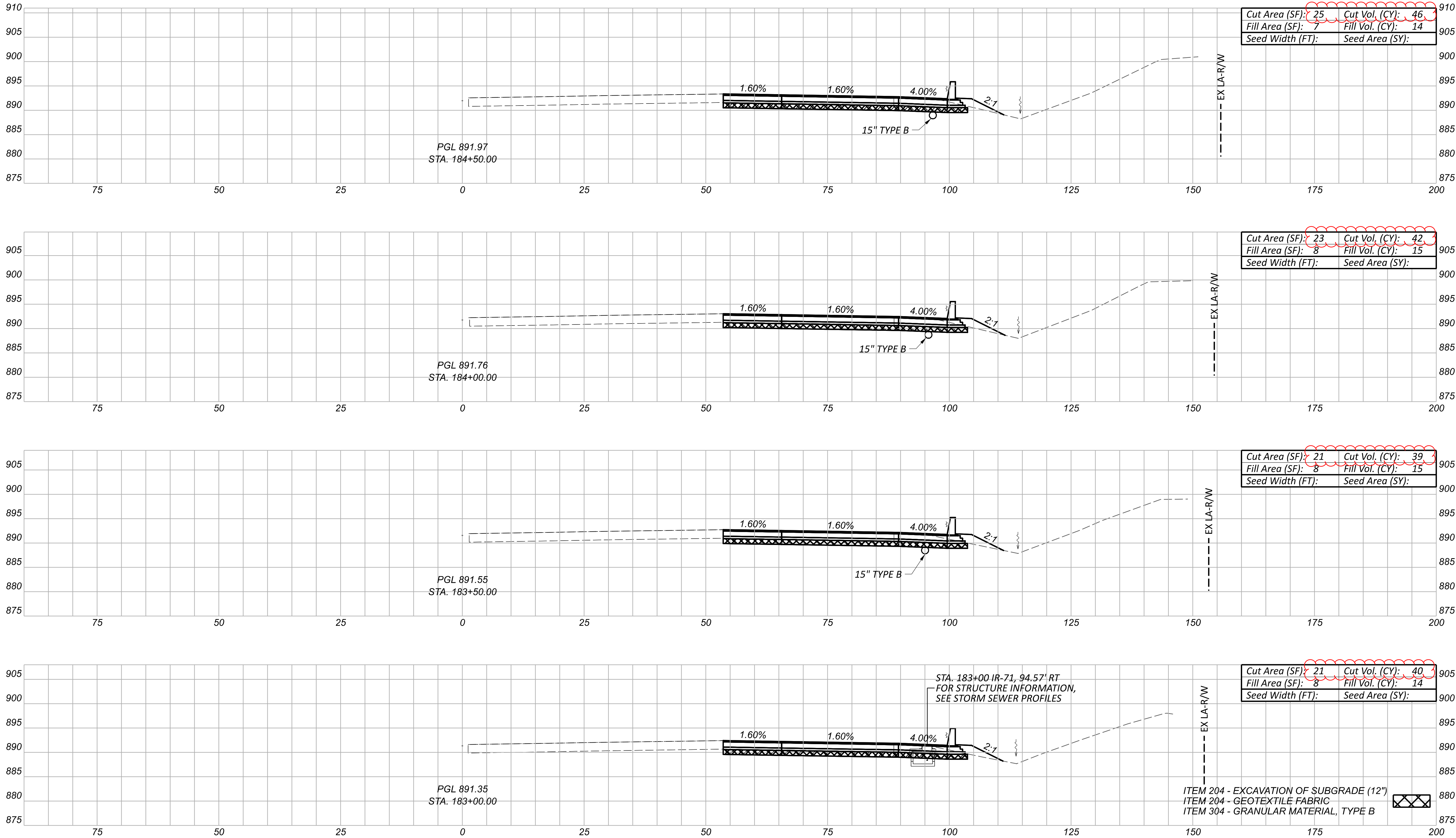
DESIGNER
RJG

REVIEWER
MSW 09/06/24

PROJECT ID
105435

SHEET
P.324

TOTAL
791



NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill		
•	167	58	P.325	791

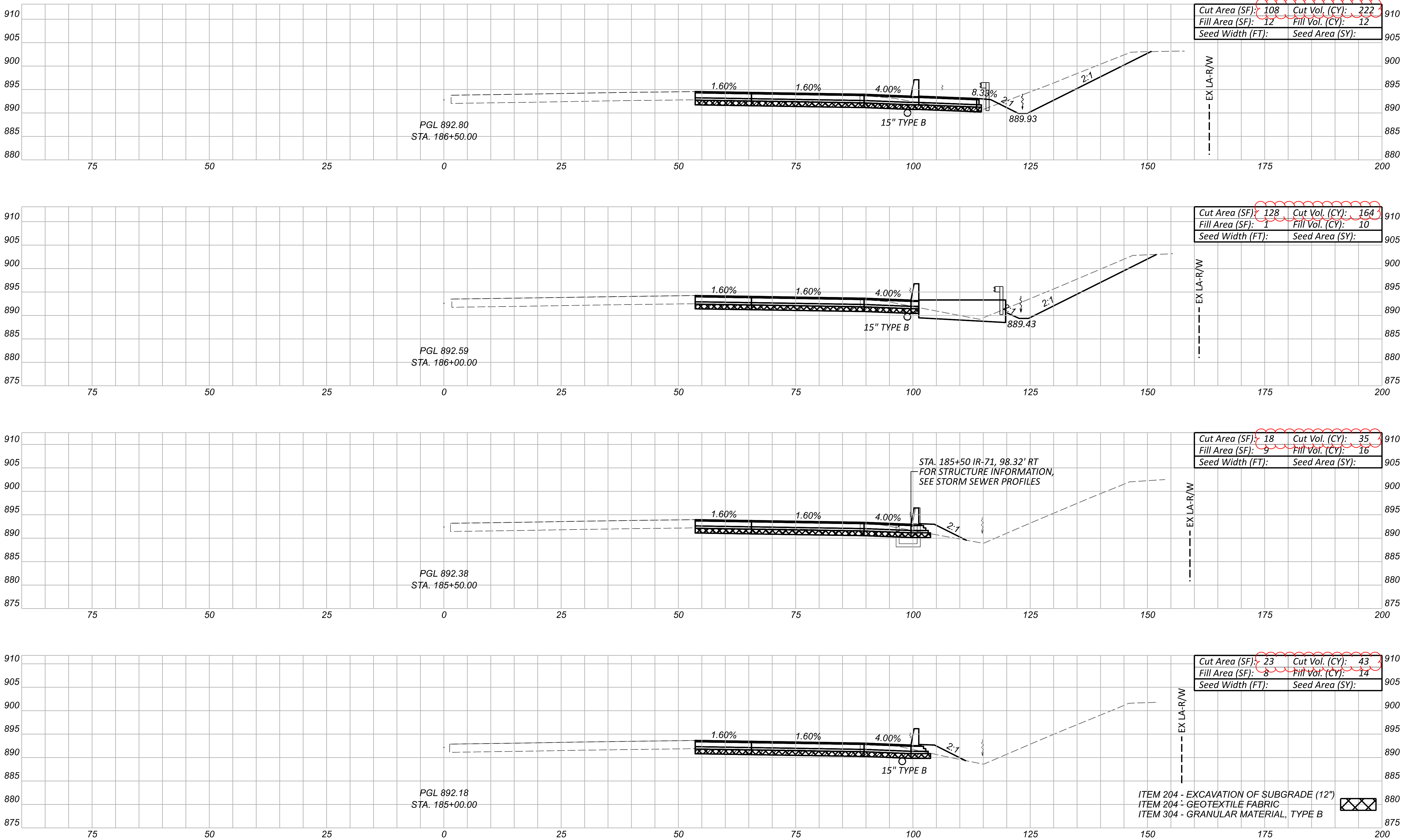
CROSS SECTIONS - IR-71 NB
STA. 183+00.00 TO STA. 184+50.00

DESIGN AGENCY
TRANSYS/STMS
1100 SUPERIOR AVE. E. STE 1000
CLEVELAND, OHIO 44114

DESIGNER
RJG

REVIEWER
MSW 09/06/24

PROJECT ID
105435



NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals			105435	
Seeding	Cut	Fill	SHEET	TOTAL
.	464	52	P.326	791

CROSS SECTIONS - IR-71 NB
STA. 185+00.00 TO STA. 186+50.00

DESIGN AGENCY

TRANSYSTEMS
1100 SUPERIOR AVE. E. STE 1000
CLEVELAND, OHIO 44114

DESIGNER

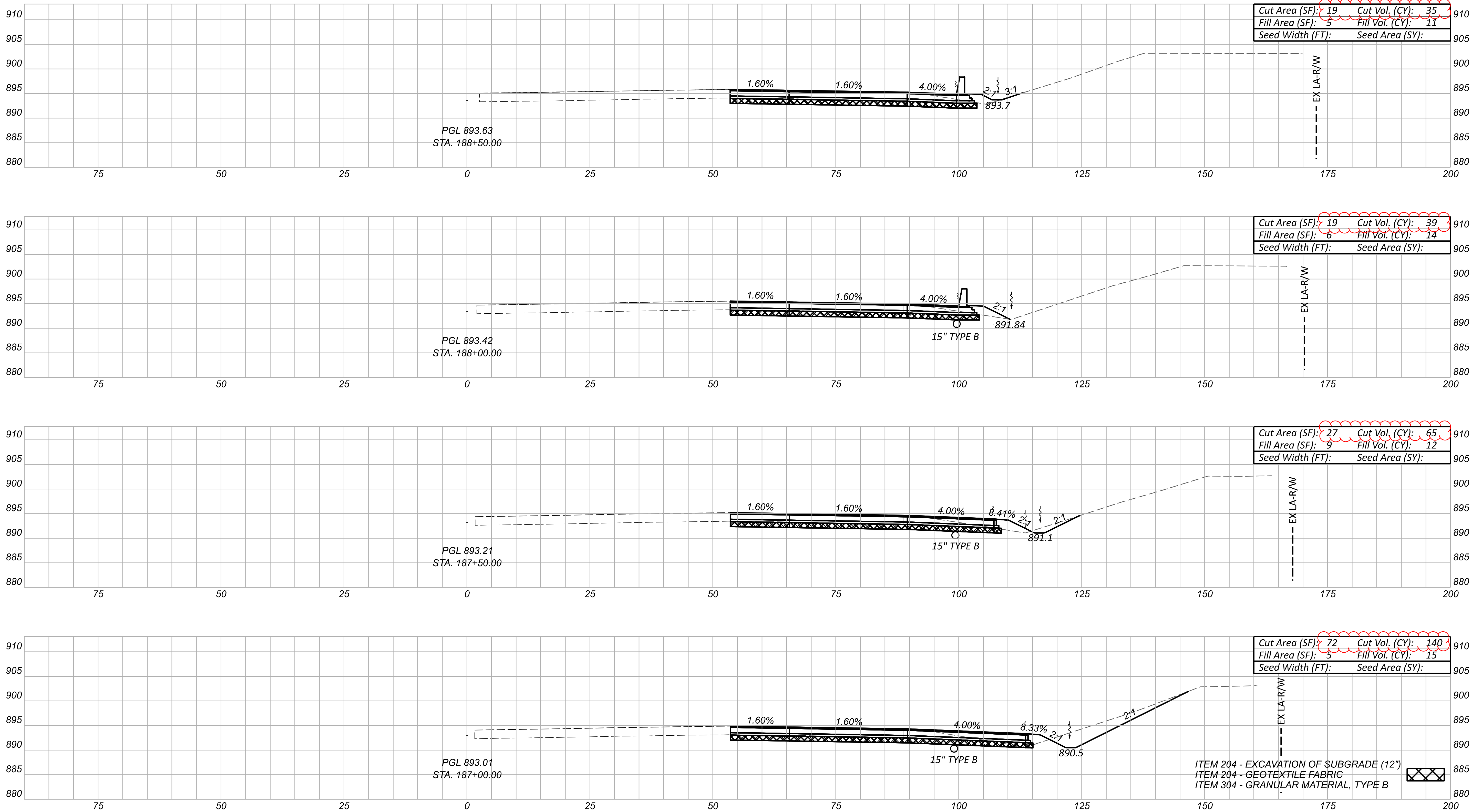
RJG

REVIEWER

MSW 09/06/24

PROJECT ID

105435

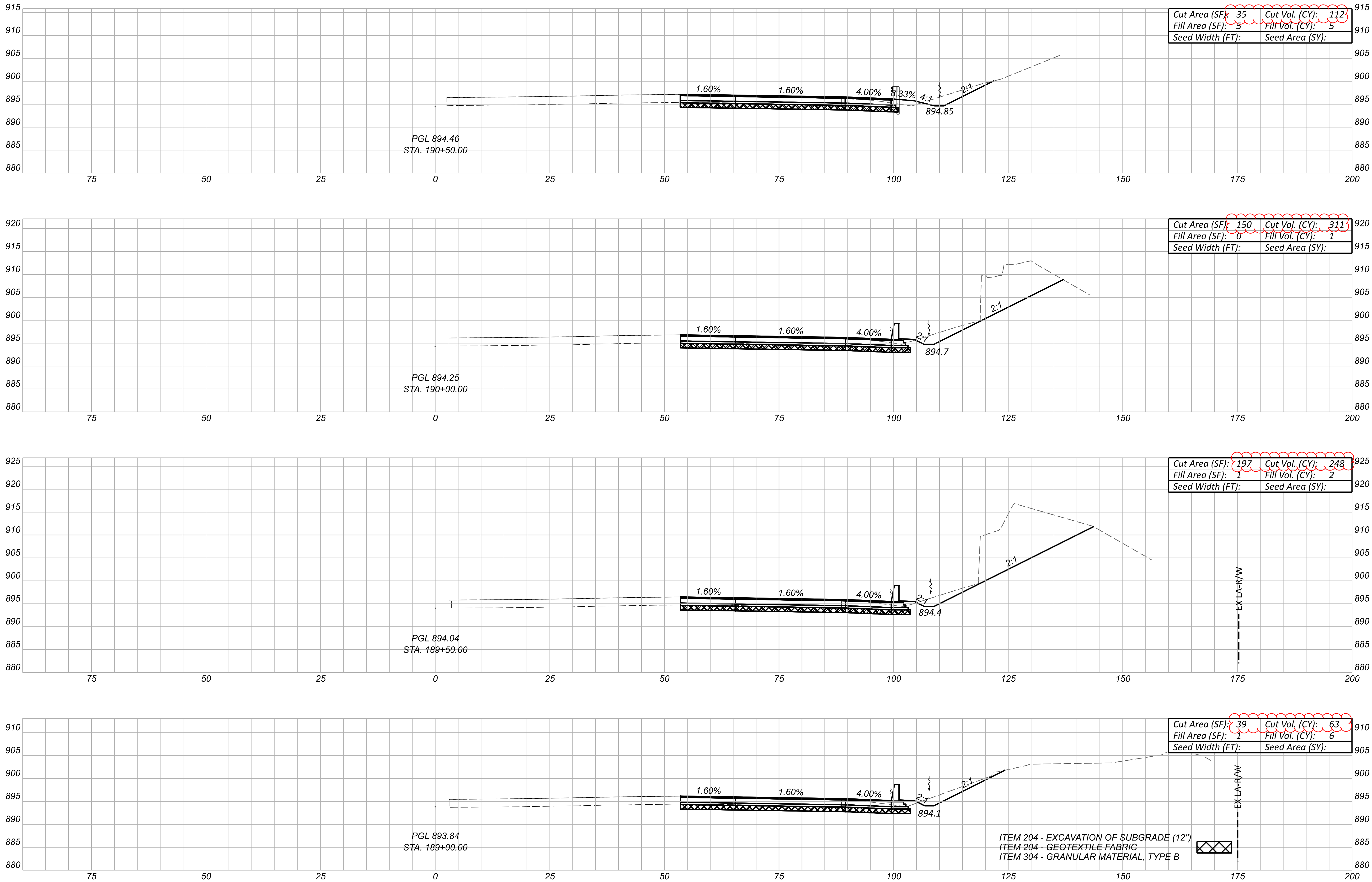


NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals		
Seeding	Cut	Fill
279	52	

DESIGN AGENCY TRANSYS/STMS 1100 SUPERIOR AVE. E. STE 1000 CLEVELAND, OHIO 44114	DESIGNER
	RJG
PROJECT ID 105435	REVIEWER
	MSW 09/06/24
SHEET P.327	TOTAL 791

CROSS SECTIONS - IR-71 NB
STA. 187+00.00 TO STA. 188+50.00

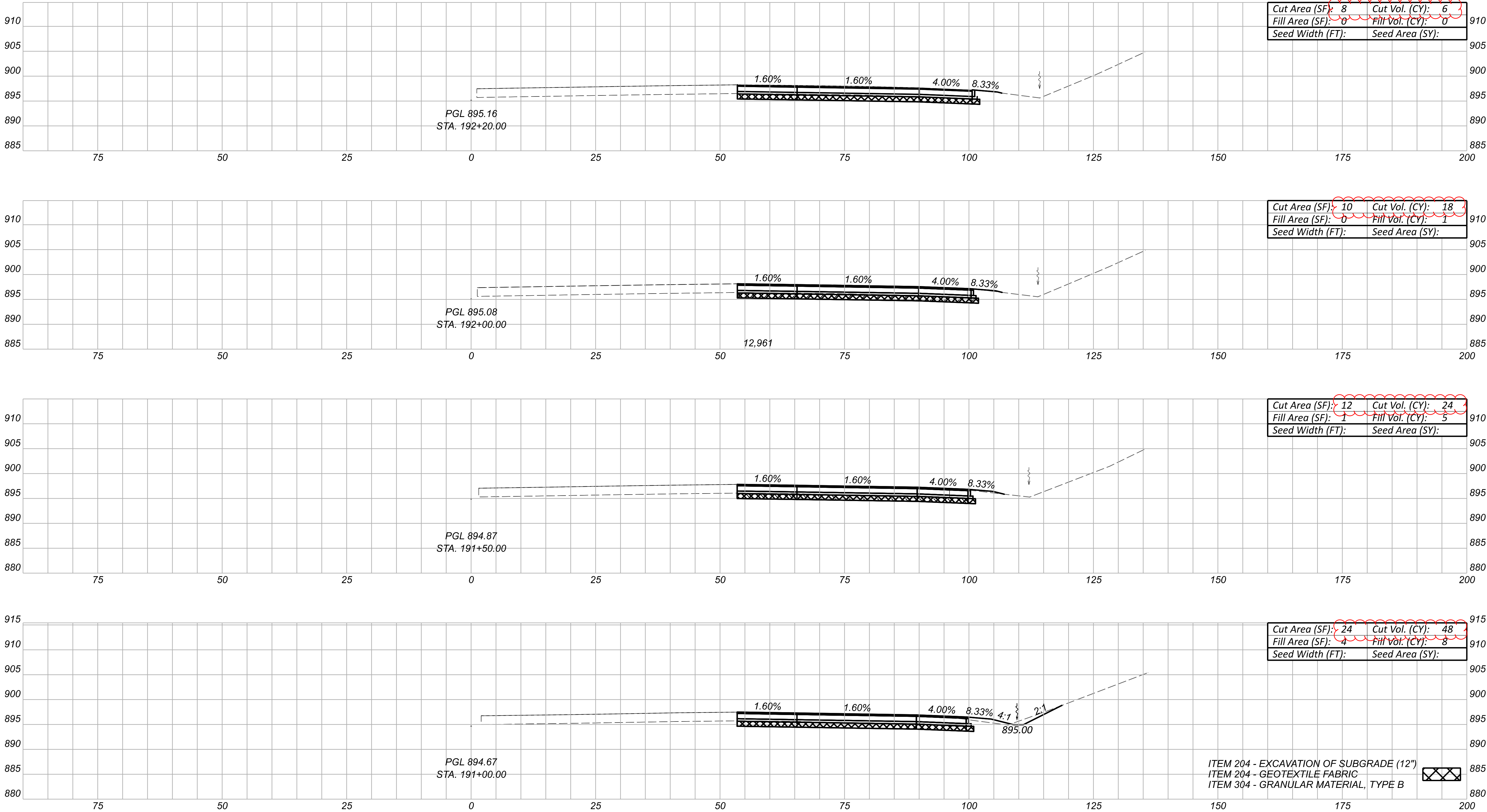


NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals		
Seeding	Cut	Fill
•	734	14

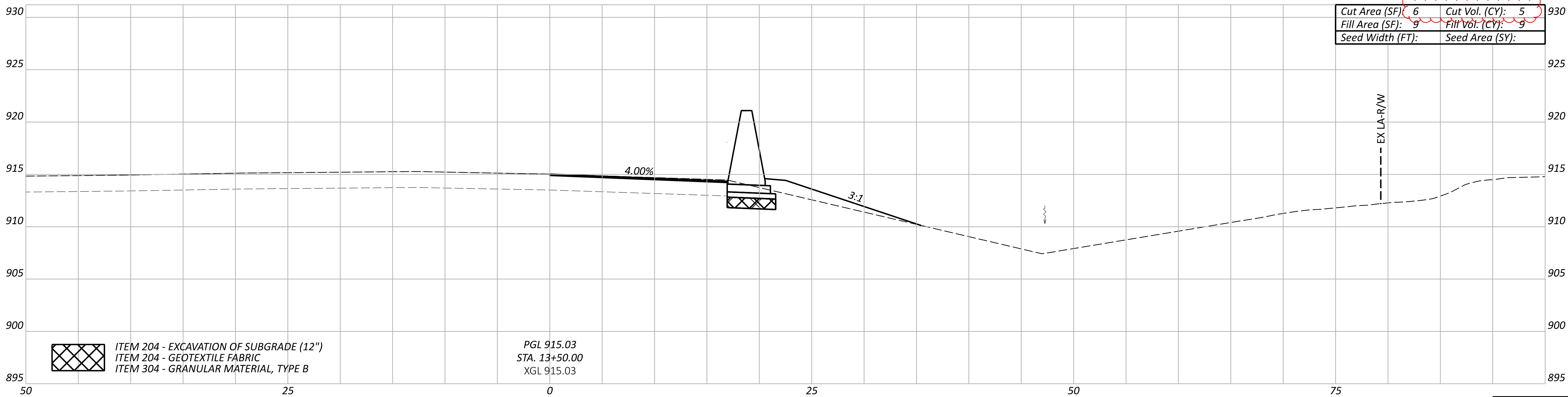
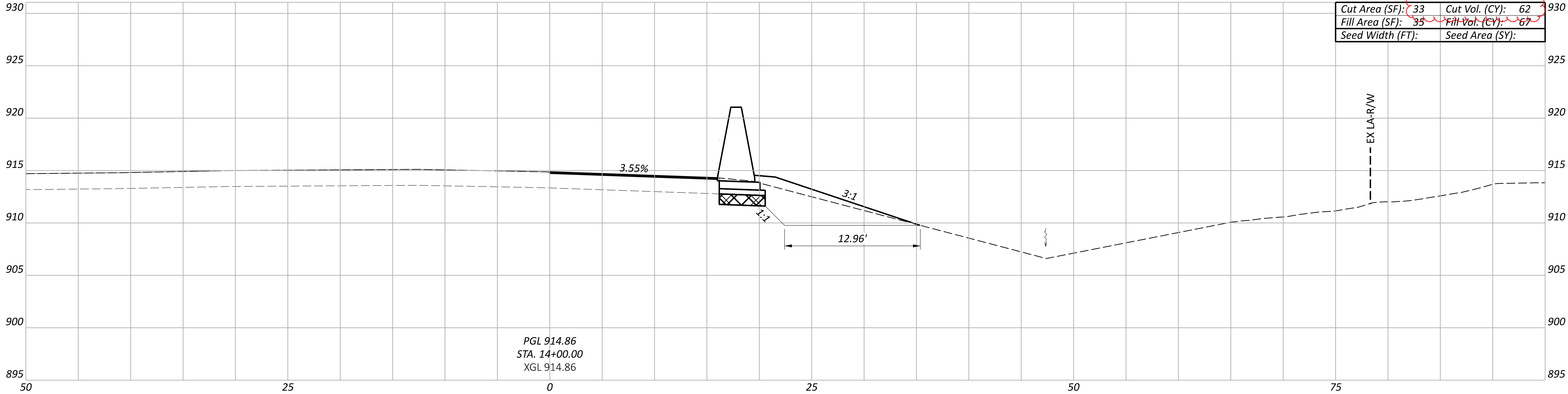
CROSS SECTIONS - IR-71 NB
STA. 189+00.00 TO STA. 190+50.00

DESIGN AGENCY	
TRANSYSTEMS	
1100 SUPERIOR AVE. E. STE 1000 CLEVELAND, OHIO 44114	
DESIGNER	
RJG	
REVIEWER	
MSW 09/06/24	
PROJECT ID	
105435	
SHEET	TOTAL
P.328	791



NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

IR-71 Totals		Sheet Totals		SHEET	TOTAL
Cut	Fill	Seeding	Cut		
6728	2826	•	96	P.329	791



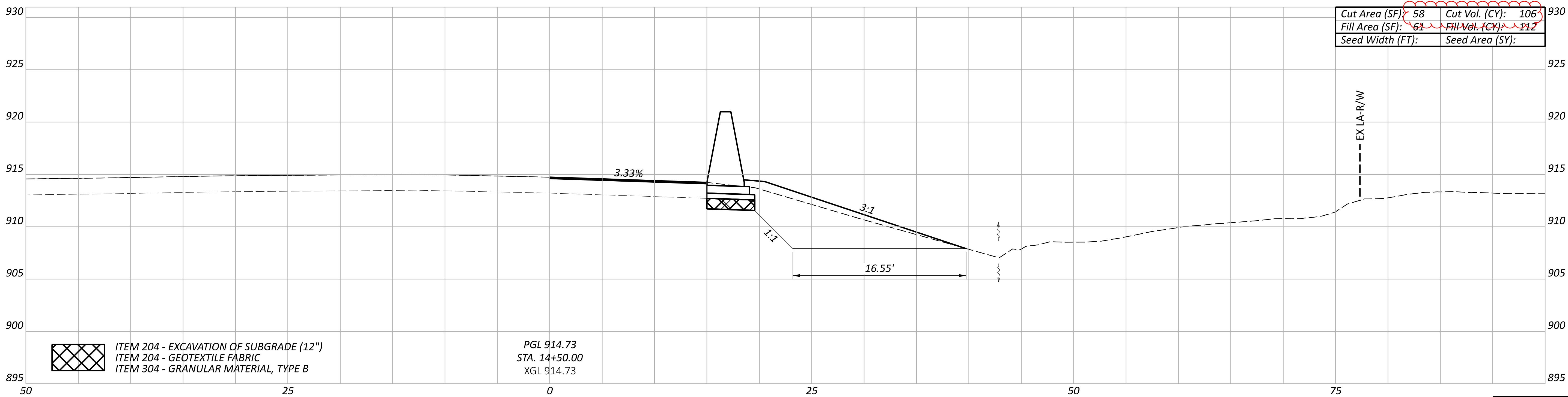
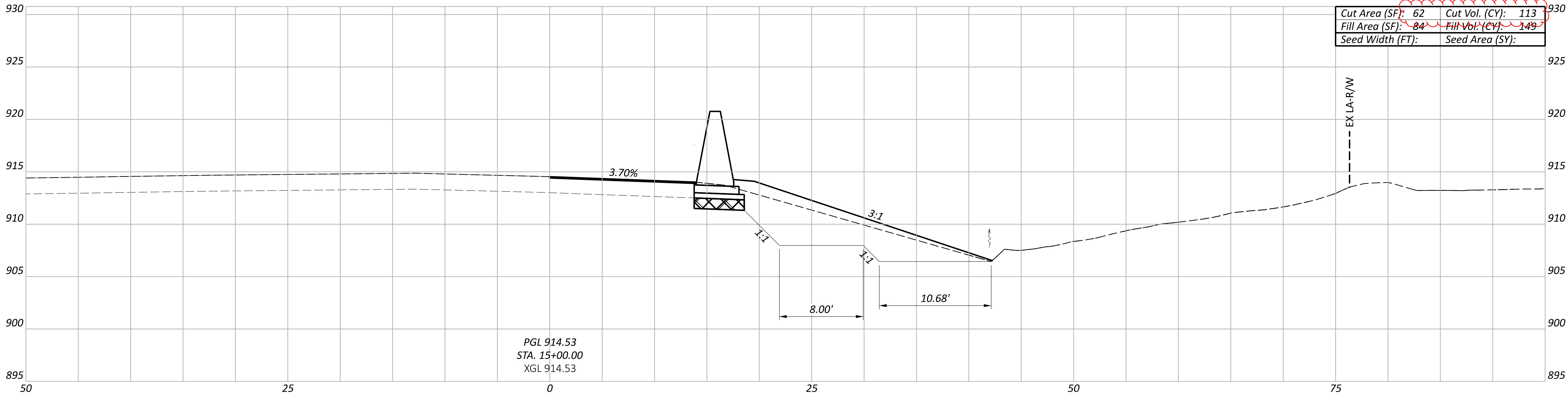
ITEM 204 - EXCAVATION OF SUBGRADE (12")
ITEM 204 - GEOTEXTILE FABRIC
ITEM 304 - GRANULAR MATERIAL, TYPE B

NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals			105435	
Seeding	Cut	Fill	SHEET	TOTAL
68	76		P.425	791

CROSS SECTIONS - RAMP Q
STA. 13+50.00 TO STA. 14+00.00

DESIGN AGENCY
TRANSYSTEMS 1100 SUPERIOR AVE. E. STE 1000 CLEVELAND, OHIO 44114
DESIGNER
RJG
REVIEWER
MSW 09/06/24
PROJECT ID
105435



ITEM 204 - EXCAVATION OF SUBGRADE (12")
ITEM 204 - GEOTEXTILE FABRIC
ITEM 304 - GRANULAR MATERIAL, TYPE B

PGL 914.73
STA. 14+50.00
XGL 914.73

NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals		
Seeding	Cut	Fill
220	267	

DESIGN AGENCY
TRANSYSTEMS
1100 SUPERIOR AVE. E. STE 1000
CLEVELAND, OHIO 44114

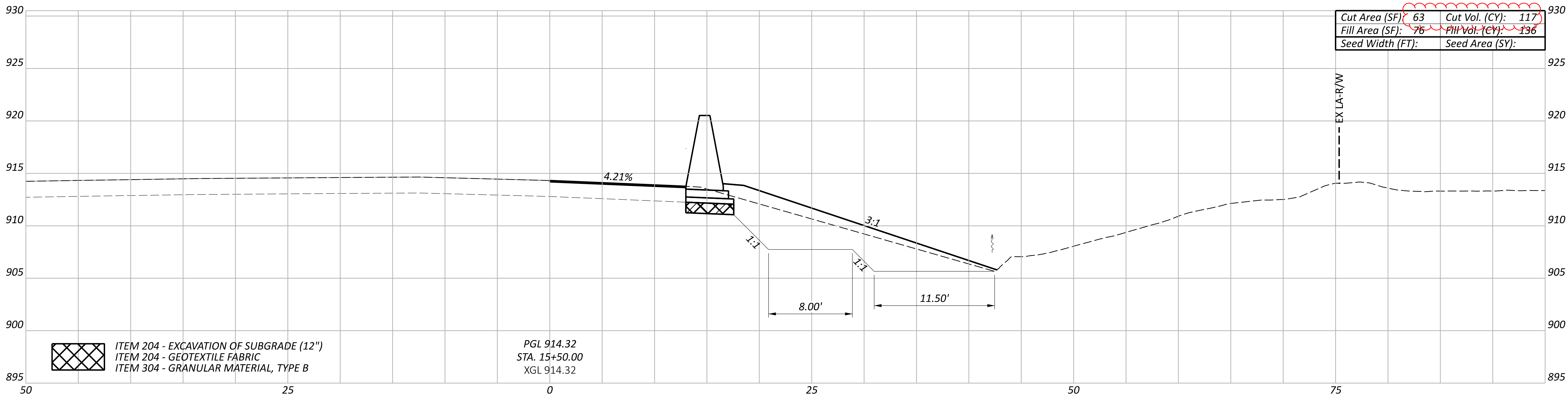
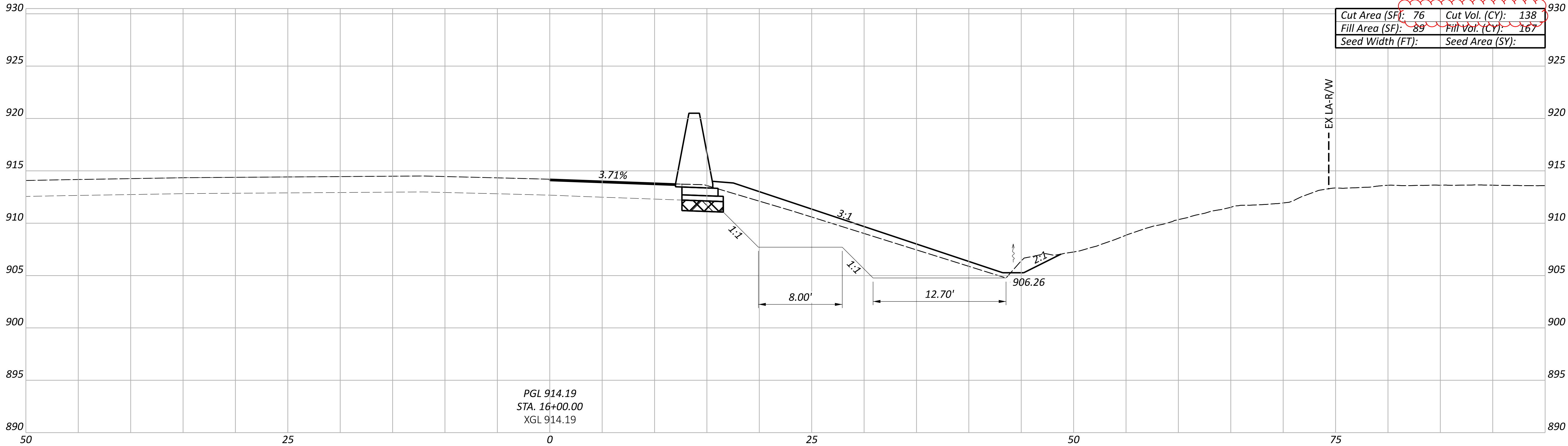
DESIGNER
RJG

REVIEWER
MSW 09/06/24

PROJECT ID
105435

SHEET	TOTAL
P.426	791

CROSS SECTIONS - RAMP Q
STA. 14+50.00 TO STA. 15+00.00



ITEM 204 - EXCAVATION OF SUBGRADE (12")
ITEM 204 - GEOTEXTILE FABRIC
ITEM 304 - GRANULAR MATERIAL, TYPE B

PGL 914.32
STA. 15+50.00
XGL 914.32

NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals			105435	
Seeding	Cut	Fill	SHEET	TOTAL
255	303		P.427	791

CROSS SECTIONS - RAMP Q
STA. 15+50.00 TO STA. 16+00.00

DESIGN AGENCY

TRANSYSTEMS
1100 SUPERIOR AVE. E. STE 1000
CLEVELAND, OHIO 44114

DESIGNER

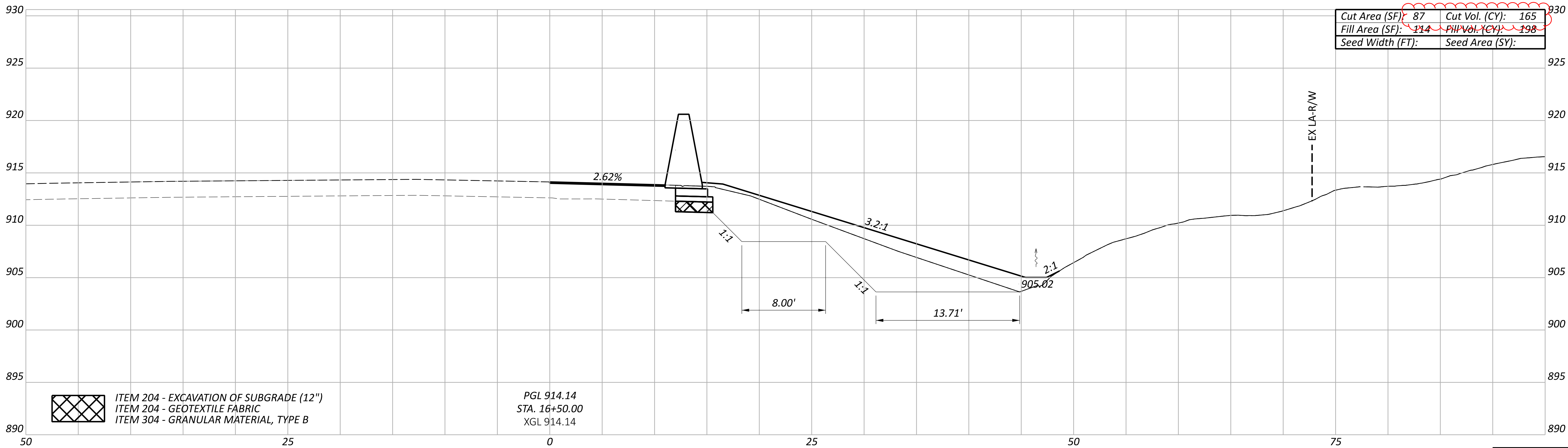
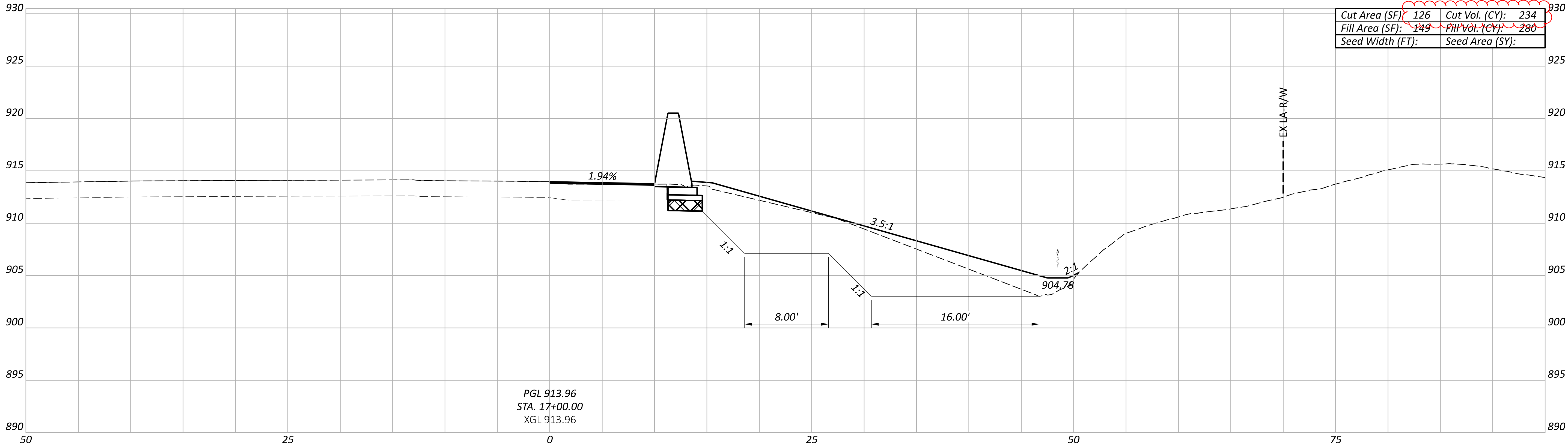
RJG

REVIEWER

MSW 09/06/24

PROJECT ID

105435



ITEM 204 - EXCAVATION OF SUBGRADE (12")
ITEM 204 - GEOTEXTILE FABRIC
ITEM 304 - GRANULAR MATERIAL, TYPE B

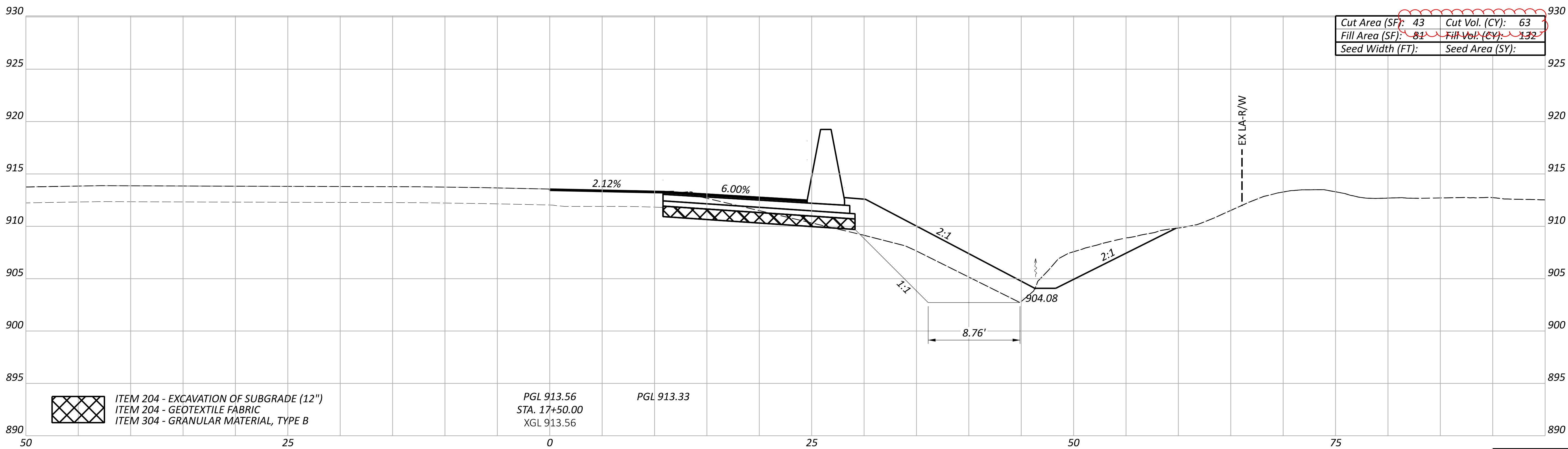
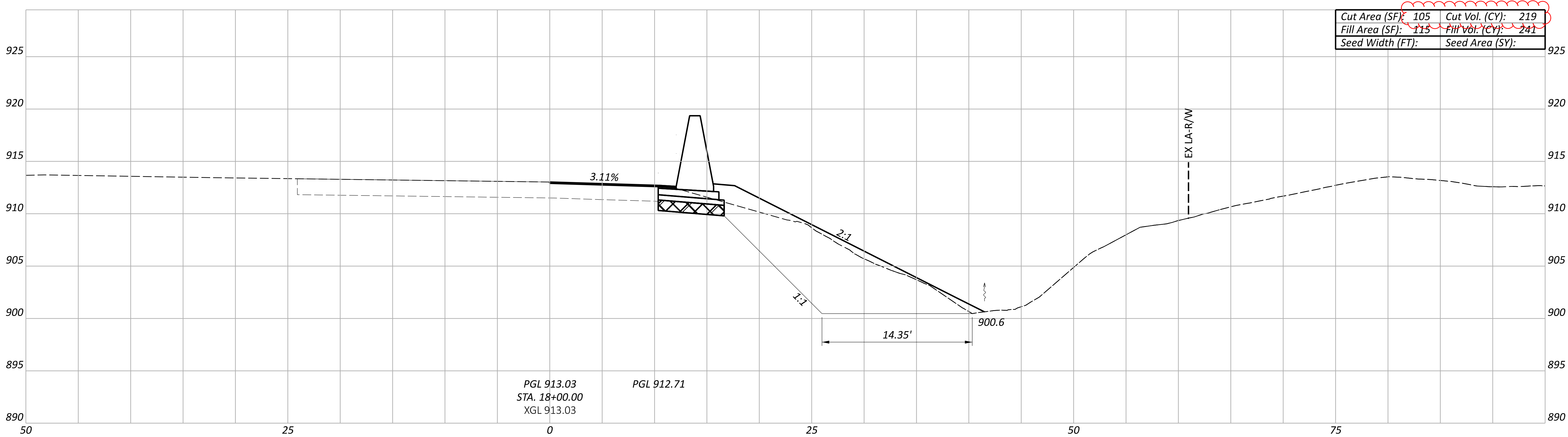
PGL 914.14
STA. 16+50.00
XGL 914.14

NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals			105435	
Seeding	Cut	Fill	SHEET	TOTAL
399	478		P.428	791

CROSS SECTIONS - RAMP Q
STA. 16+50.00 TO STA. 17+00.00

DESIGN AGENCY
TRANSYSTEMS 1100 SUPERIOR AVE. E. STE 1000 CLEVELAND, OHIO 44114
DESIGNER
RJG
REVIEWER
MSW 09/06/24
PROJECT ID
105435



ITEM 204 - EXCAVATION OF SUBGRADE (12")
ITEM 204 - GEOTEXTILE FABRIC
ITEM 304 - GRANULAR MATERIAL, TYPE B

PGL 913.56
STA. 17+50.00
XGL 913.56

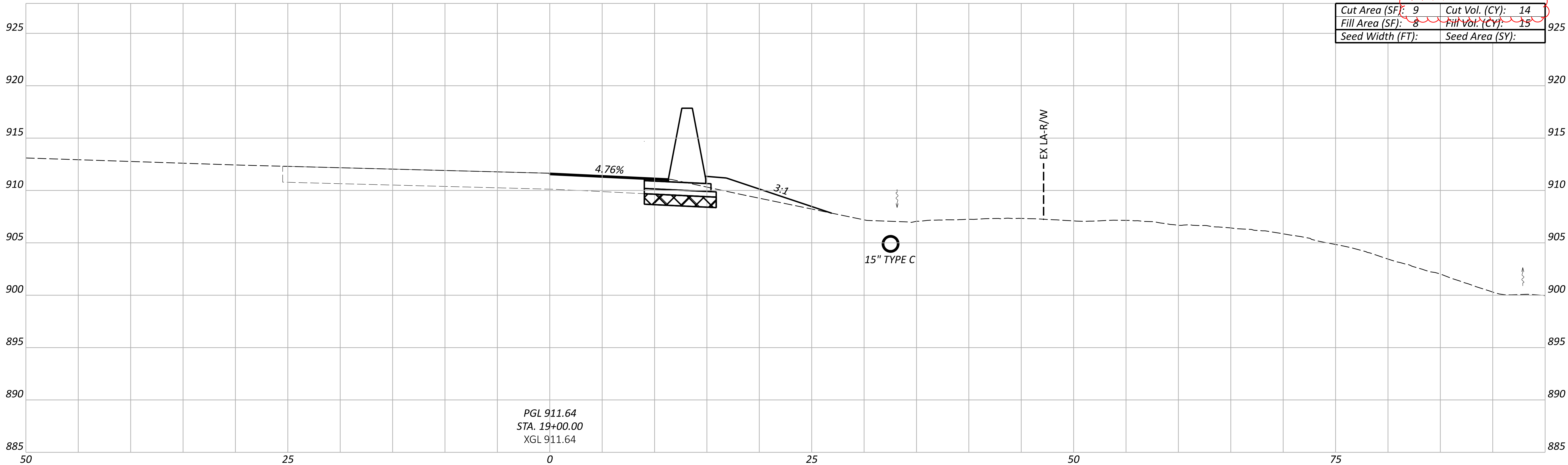
PGL 913.33

NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals		
Seeding	Cut	Fill
282	373	

DESIGN AGENCY	TRANSYSTEMS
1100 SUPERIOR AVE. E. STE 1000	
CLEVELAND, OHIO 44114	
DESIGNER	RJG
REVIEWER	MSW
09/06/24	
PROJECT ID	105435
SHEET	P.429
TOTAL	791

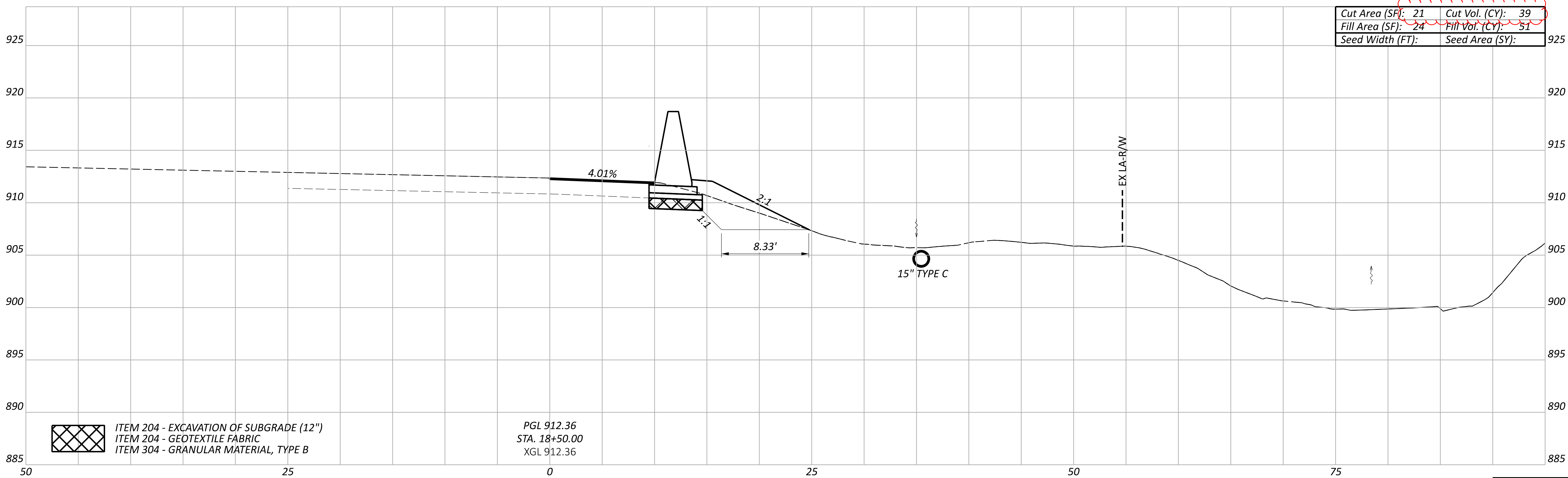
CROSS SECTIONS - RAMP Q
STA. 17+50.00 TO STA. 18+00.00



PGL 911.64
STA. 19+00.00
XGL 911.64

15" TYPE C

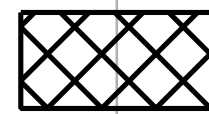
EX LA-R/W



PGL 912.36
STA. 18+50.00
XGL 912.36

15" TYPE C

EX LA-R/W



ITEM 204 - EXCAVATION OF SUBGRADE (12")
ITEM 204 - GEOTEXTILE FABRIC
ITEM 304 - GRANULAR MATERIAL, TYPE B

NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals			105435	
Seeding	Cut	Fill	SHEET	TOTAL
53	66		P.430	791

CROSS SECTIONS - RAMP Q
STA. 18+50.00 TO STA. 19+00.00

DESIGN AGENCY

TRANSYSTEMS
1100 SUPERIOR AVE. E. STE 1000
CLEVELAND, OHIO 44114

DESIGNER

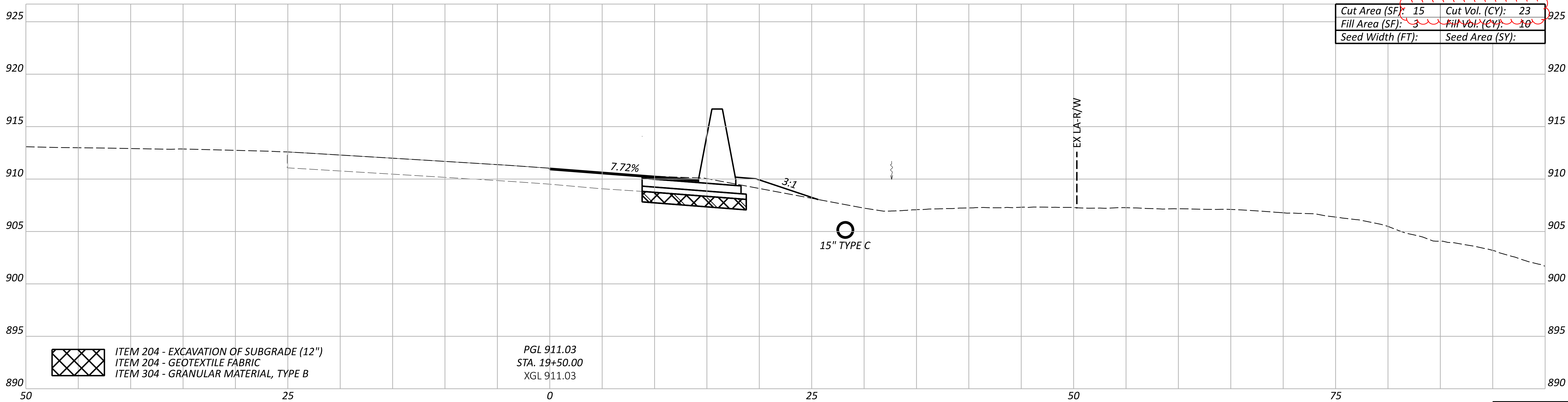
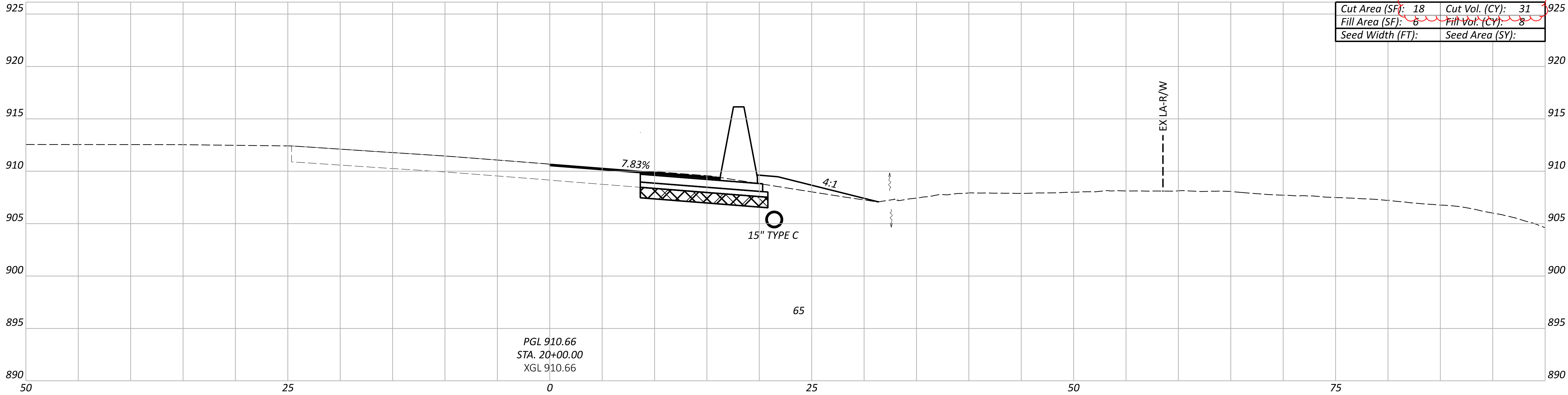
RJG

REVIEWER

MSW 09/06/24

PROJECT ID

105435



ITEM 204 - EXCAVATION OF SUBGRADE (12")
ITEM 204 - GEOTEXTILE FABRIC
ITEM 304 - GRANULAR MATERIAL, TYPE B

PGL 911.03
STA. 19+50.00
XGL 911.03

NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals		
Seeding	Cut	Fill
54	18	

CROSS SECTIONS - RAMP Q
STA. 19+50.00 TO STA. 20+00.00

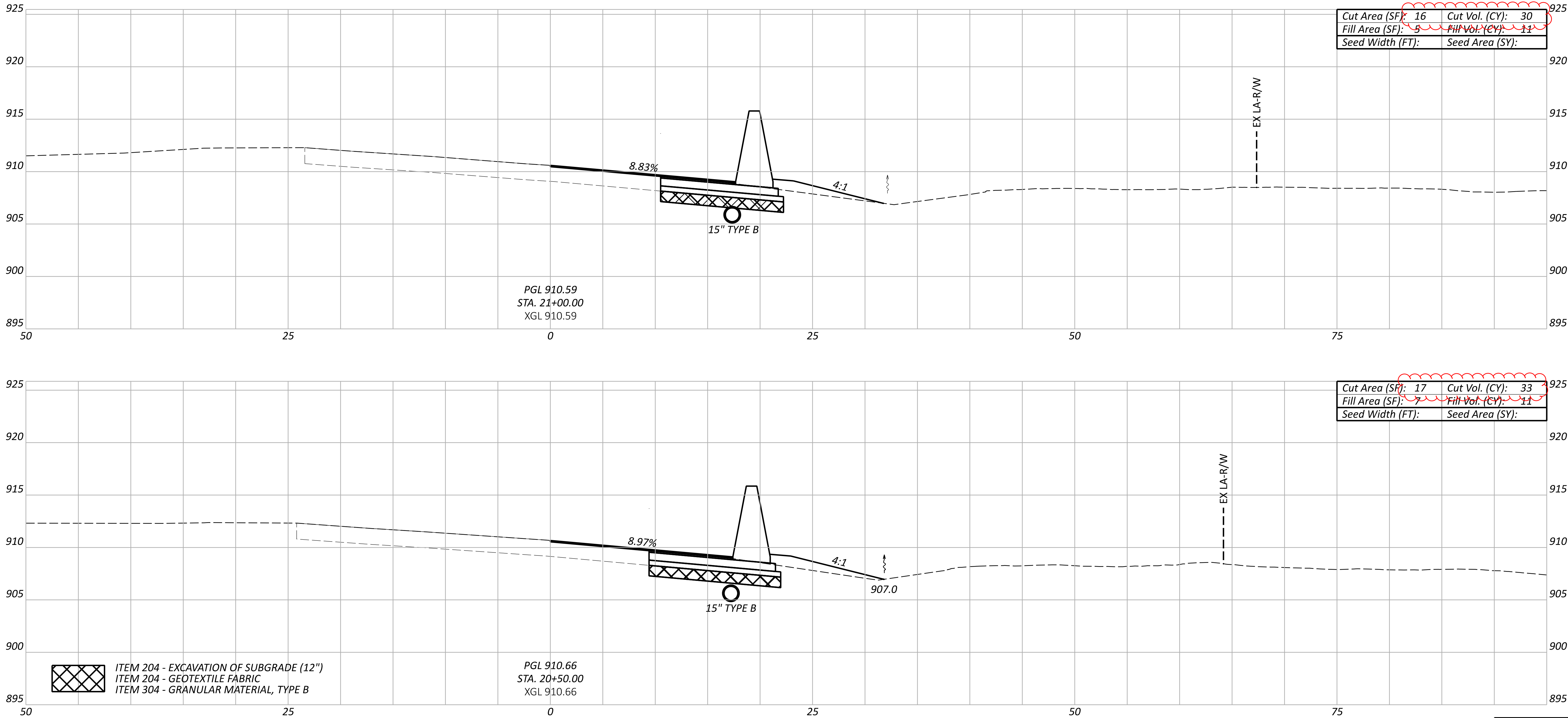
DESIGN AGENCY
TRANSYSTEMS
1100 SUPERIOR AVE. E. STE 1000
CLEVELAND, OHIO 44114

DESIGNER
RJG

REVIEWER
MSW 09/06/24

PROJECT ID
105435

SHEET TOTAL
P.431 791



NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals			PROJECT ID	
Seeding	Cut	Fill	SHEET	TOTAL
63	22		P.432	791

CROSS SECTIONS - RAMP Q
STA. 20+50.00 TO STA. 21+00.00

DESIGN AGENCY

TRANSYSTEMS
1100 SUPERIOR AVE. E. STE 1000
CLEVELAND, OHIO 44114

DESIGNER

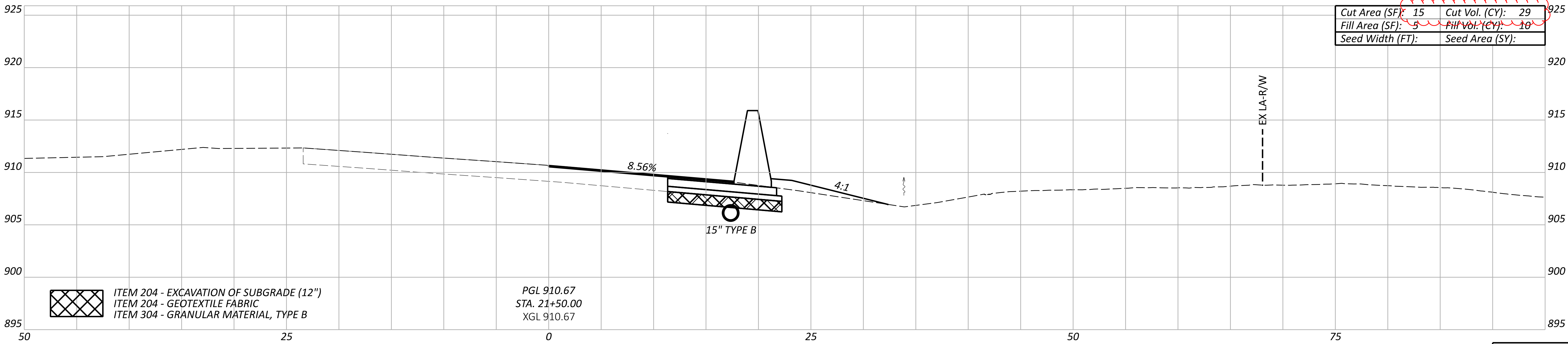
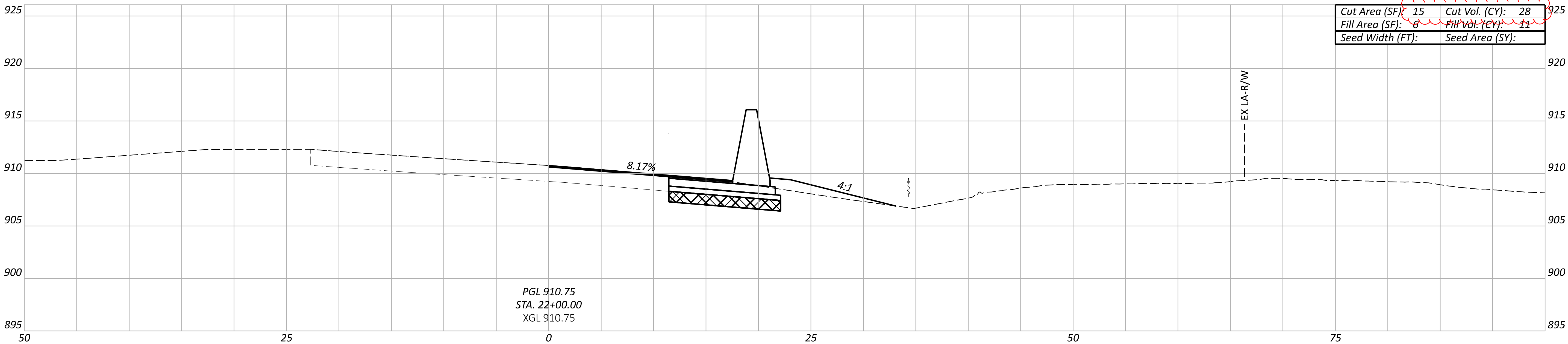
RJG

REVIEWER

MSW 09/06/24

PROJECT ID

105435



NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals		
Seeding	Cut	Fill
57	21	

DESIGN AGENCY

TRANSYSTEMS
1100 SUPERIOR AVE. E. STE 1000
CLEVELAND, OHIO 44114

DESIGNER

RJG

REVIEWER

MSW 09/06/24

PROJECT ID

105435

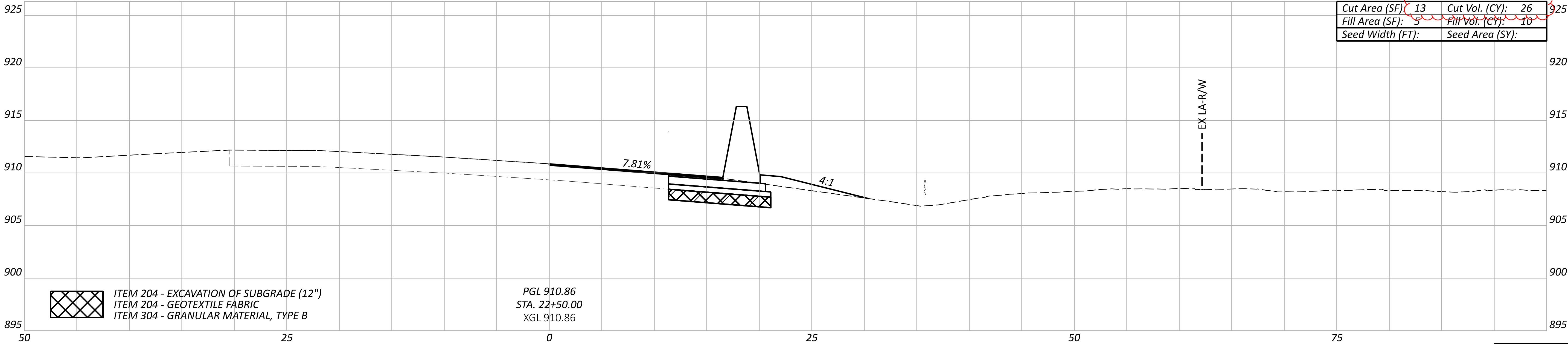
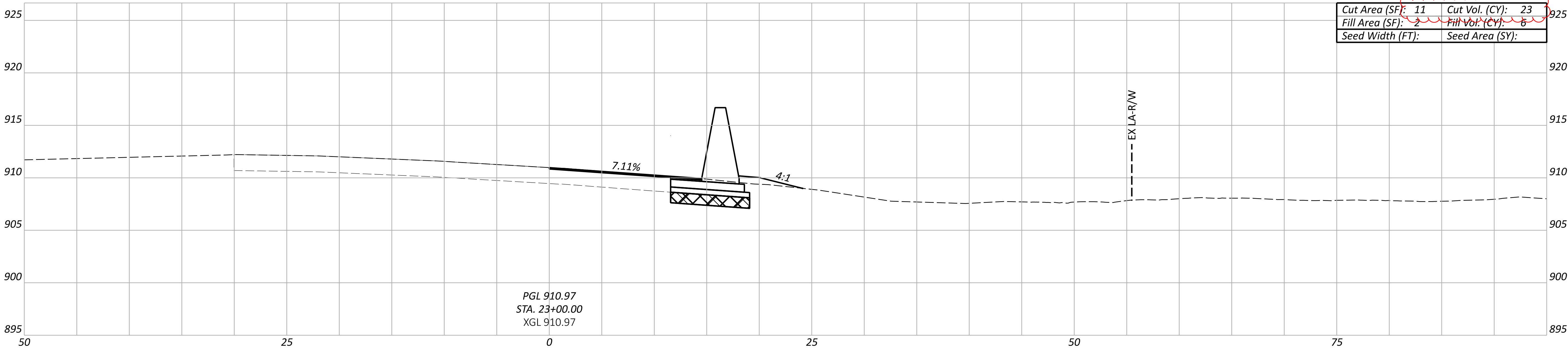
SHEET

P.433

TOTAL

791

CROSS SECTIONS - RAMP Q
STA. 21+50.00 TO STA. 22+00.00



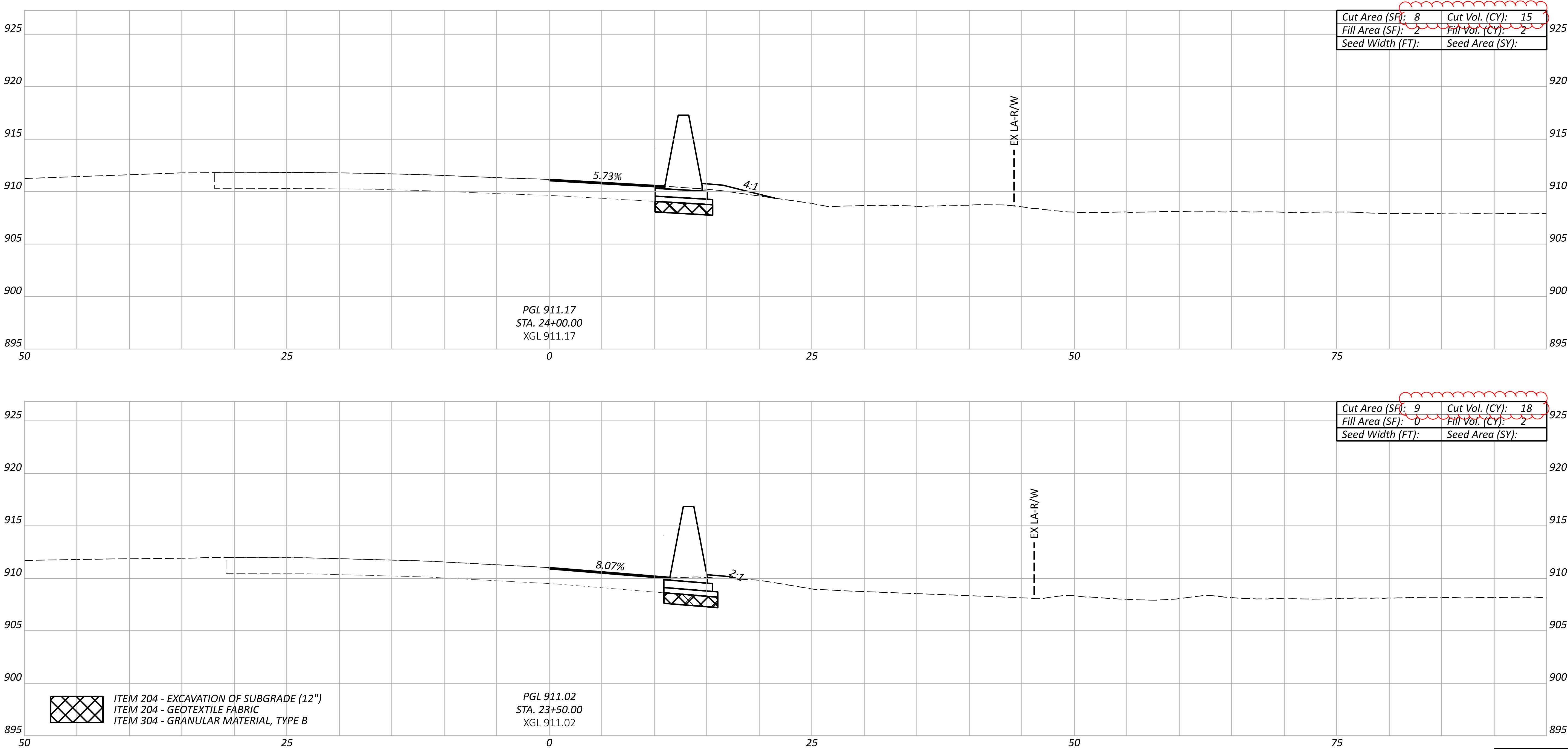
ITEM 204 - EXCAVATION OF SUBGRADE (12")
ITEM 204 - GEOTEXTILE FABRIC
ITEM 304 - GRANULAR MATERIAL, TYPE B

NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals			105435	
Seeding	Cut	Fill	SHEET	TOTAL
49	16		P.434	791

CROSS SECTIONS - RAMP Q
STA. 22+50.00 TO STA. 23+00.00

DESIGN AGENCY	TRANSYSTEMS
1100 SUPERIOR AVE. E. STE 1000	CLEVELAND, OHIO 44114
DESIGNER	RJG
REVIEWER	MSW 09/06/24
PROJECT ID	105435
SHEET	P.434
TOTAL	791

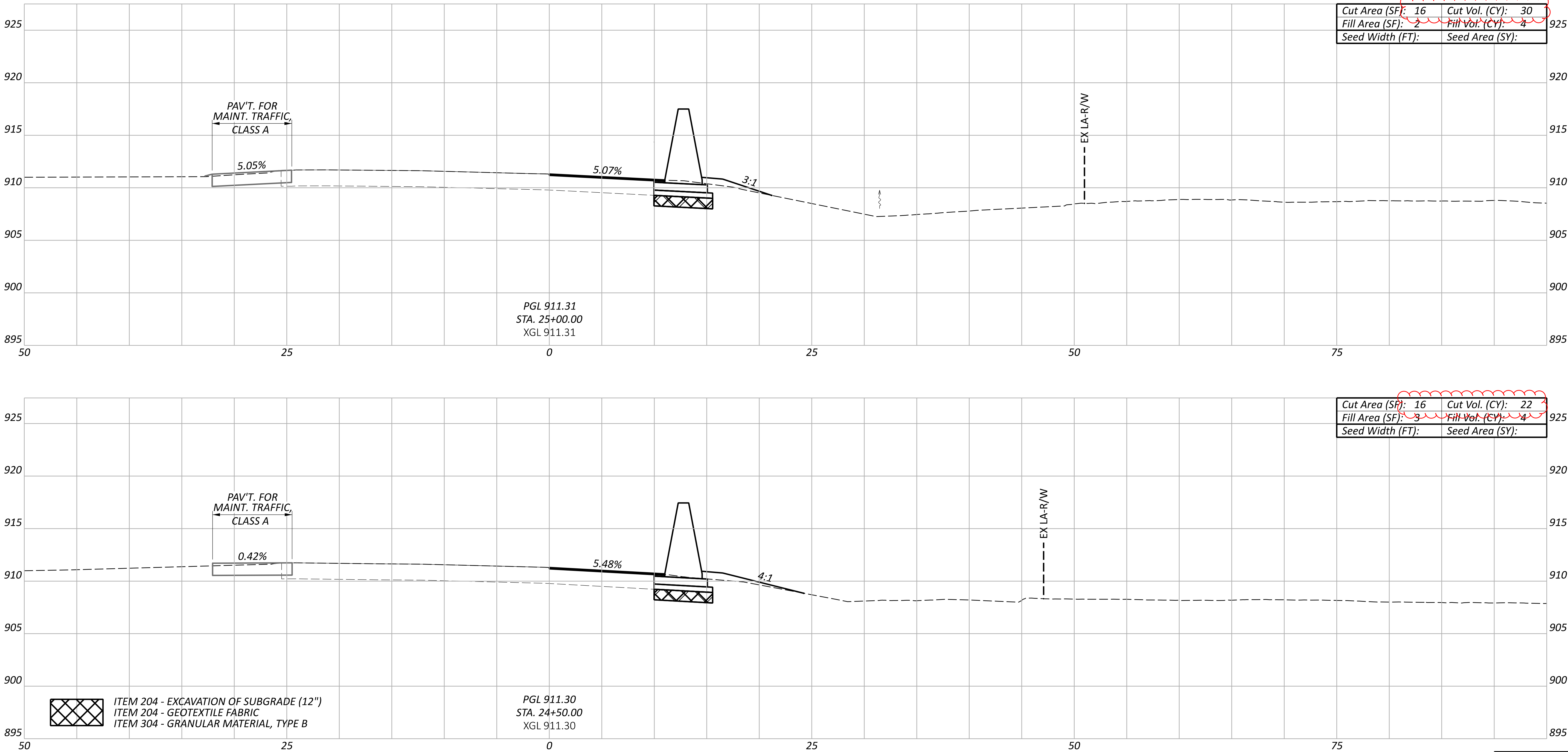


NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals		
Seeding	Cut	Fill
34	4	

CROSS SECTIONS - RAMP Q
STA. 23+50.00 TO STA. 24+00.00

DESIGN AGENCY	PROJECT ID
TRANSYSTEMS 1100 SUPERIOR AVE. E. STE 1000 CLEVELAND, OHIO 44114	105435
DESIGNER	SHEET
RJG	P.435
REVIEWER	TOTAL
MSW 09/06/24	791



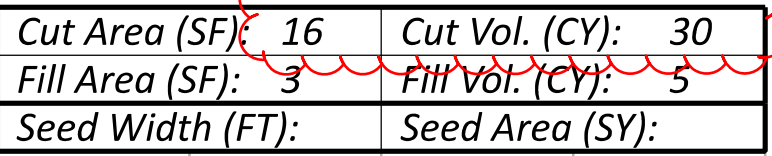
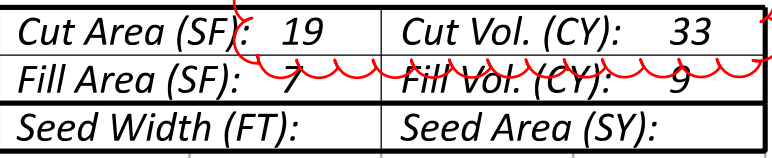
NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals		
Seeding	Cut	Fill
52	8	

CROSS SECTIONS - RAMP Q
STA. 24+50.00 TO STA. 25+00.00

DESIGN AGENCY	PROJECT ID
TRANSYSTEMS 1100 SUPERIOR AVE. E. STE 1000 CLEVELAND, OHIO 44114	105435
DESIGNER	SHEET
RJG	P.436
REVIEWER	TOTAL
MSW 09/06/24	791

MODEL: CLP_RampQP_25+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 3/7/2025 TIME: 18:21:48 USER: nelevanthi
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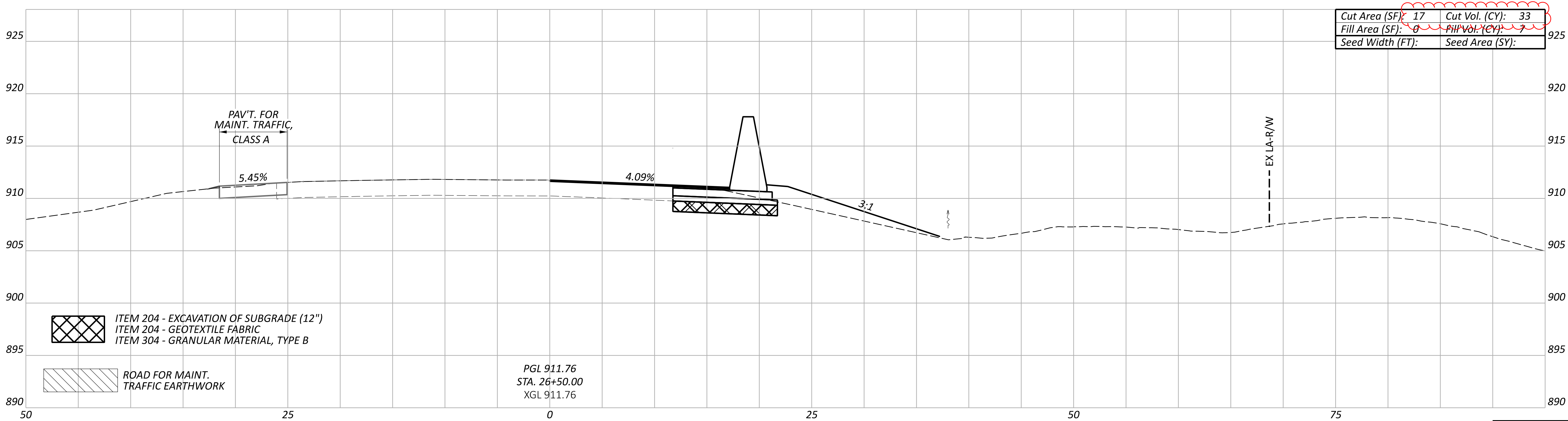
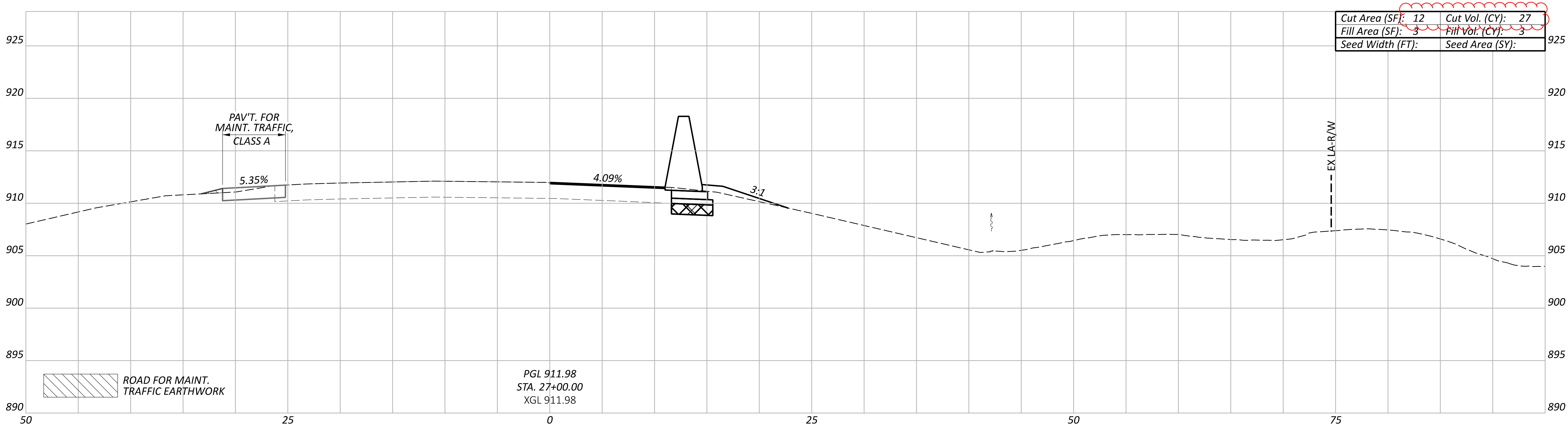
Sheet Totals		
Seeding	Cut	F
	62	1

DESIGN AGENCY
TRANSYSTEMS
1100 SUPERIOR AVE. E., STE. 1000
CLEVELAND, OHIO 44114

DESIGNER
RJG

REVIEWER
MSW 09/06/

PROJECT ID
105435



NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals			PROJECT ID	
Seeding	Cut	Fill	105435	TOTAL
60	20	10		

SHEET	TOTAL
P.438	791

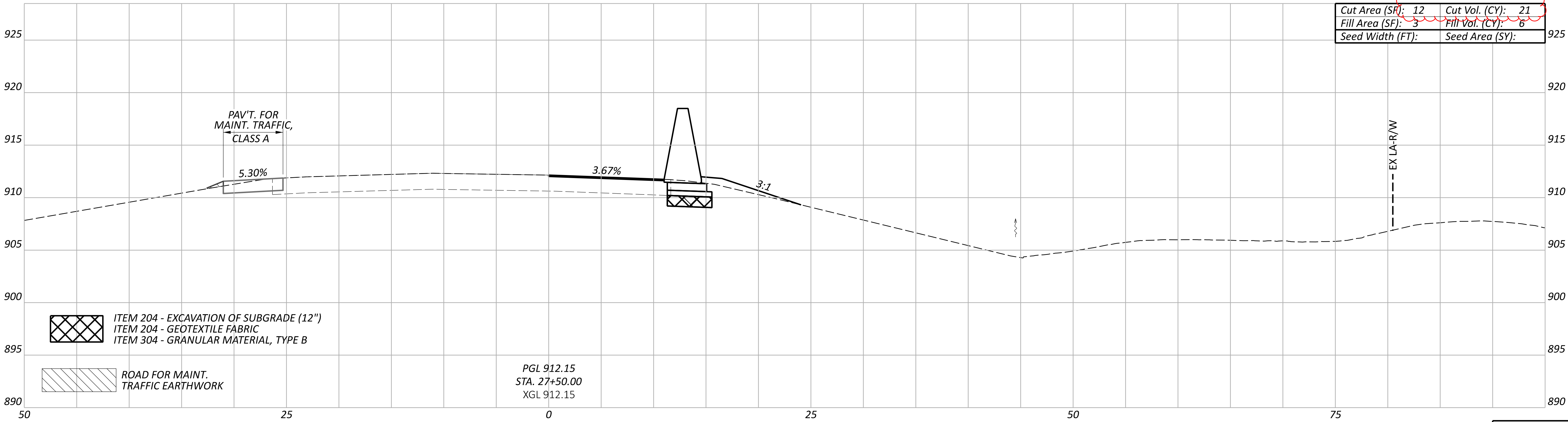
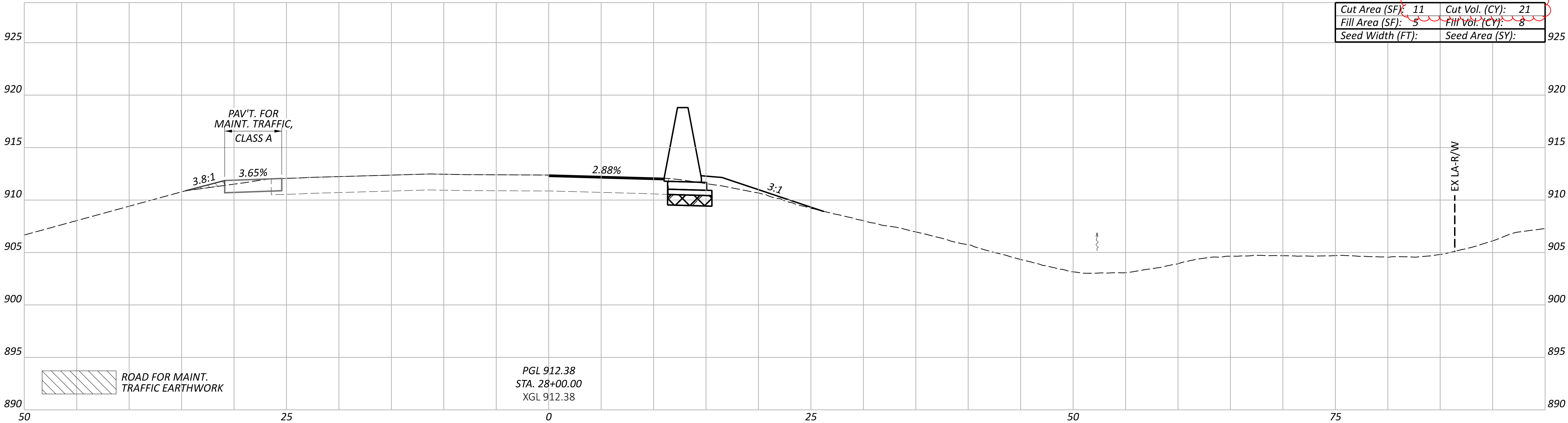
CROSS SECTIONS - RAMP Q
STA. 26+50.00 TO STA. 27+00.00

DESIGN AGENCY
TRANSYSTEMS
1100 SUPERIOR AVE. E. STE 1000
CLEVELAND, OHIO 44114

DESIGNER
RJG

REVIEWER
MSW 09/06/24

PROJECT ID
105435



NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals		
Seeding	Cut	Fill
43	14	

CROSS SECTIONS - RAMP Q
STA. 27+50.00 TO STA. 28+00.00

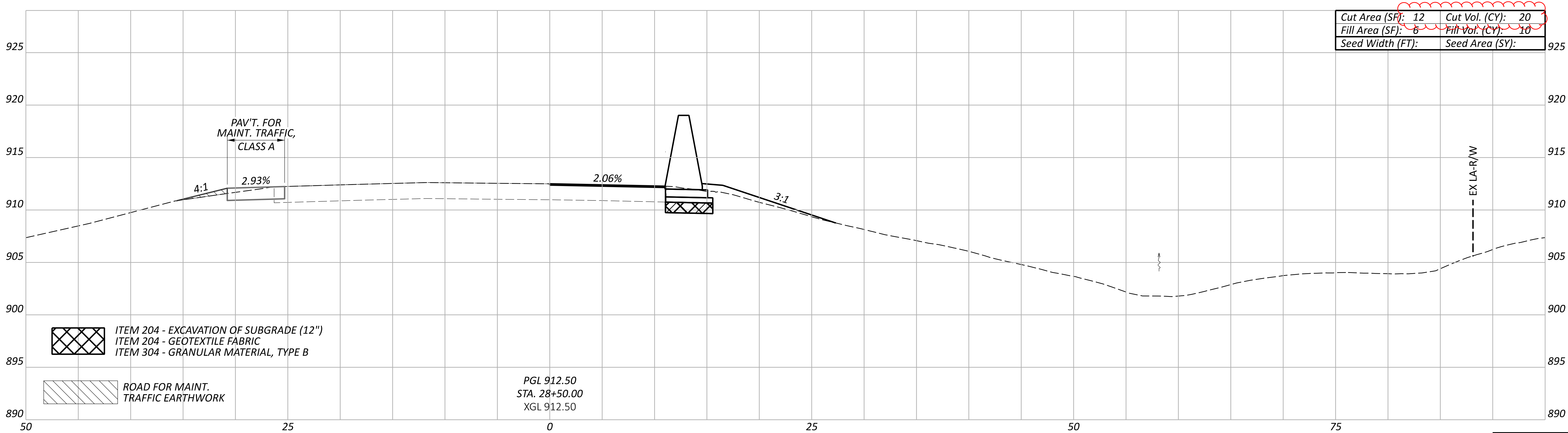
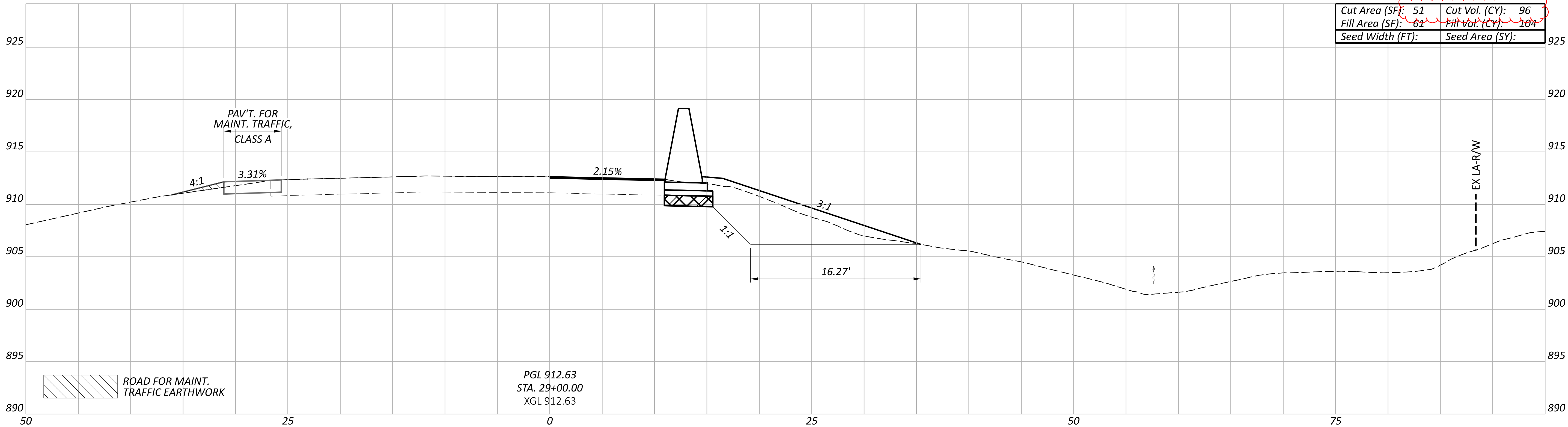
DESIGN AGENCY
TRANSYSTEMS
1100 SUPERIOR AVE. E. STE 1000
CLEVELAND, OHIO 44114

DESIGNER
RJG

REVIEWER
MSW 09/06/24

PROJECT ID
105435

SHEET	TOTAL
P.439	791



NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals			105435	
Seeding	Cut	Fill	SHEET	TOTAL
116	114		P.440	791

CROSS SECTIONS - RAMP Q
STA. 28+50.00 TO STA. 29+00.00

DESIGN AGENCY

TRANSYSTEMS
1100 SUPERIOR AVE. E. STE 1000
CLEVELAND, OHIO 44114

DESIGNER

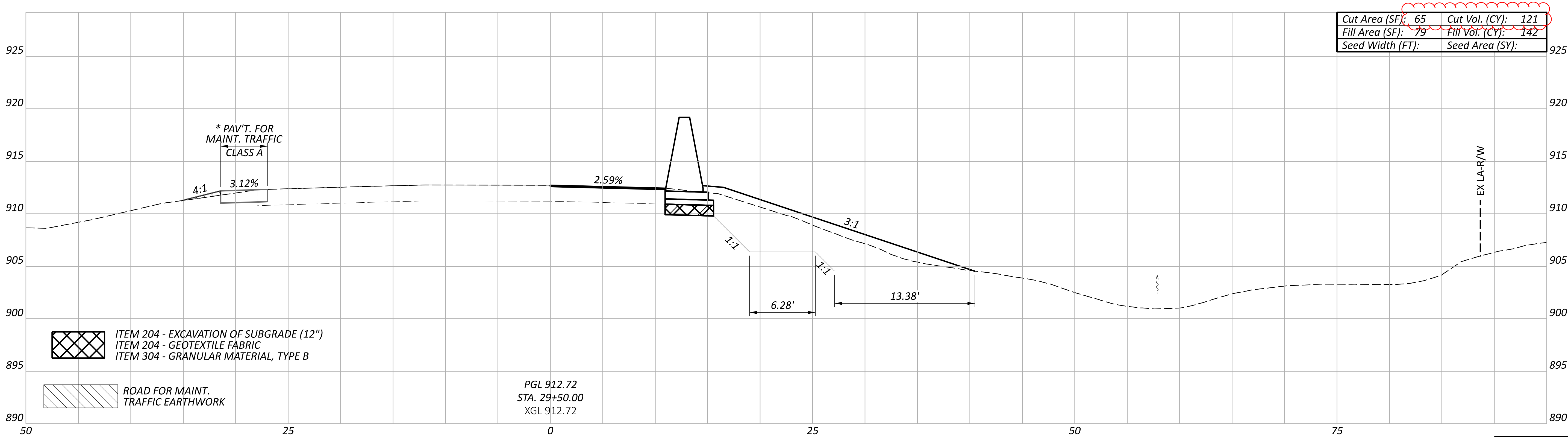
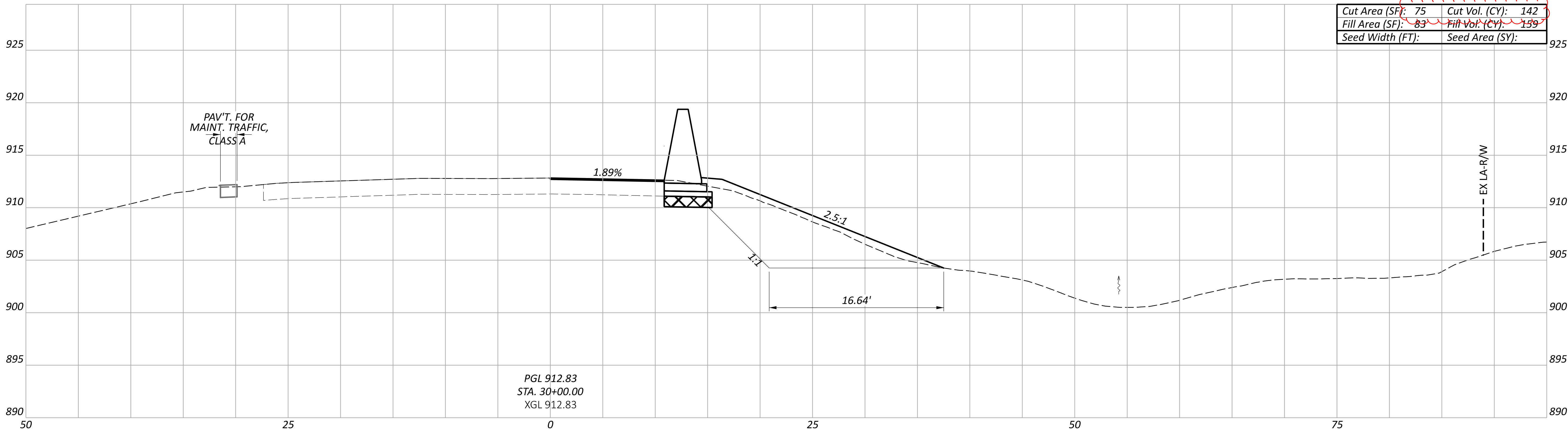
RJG

REVIEWER

MSW 09/06/24

PROJECT ID

105435

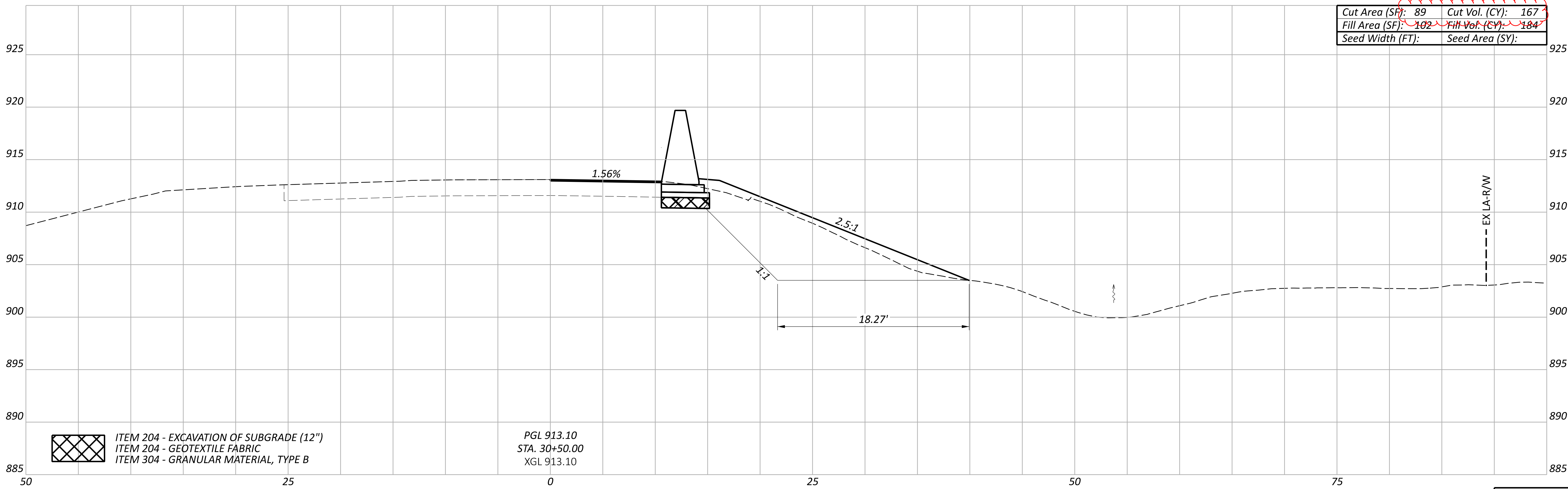
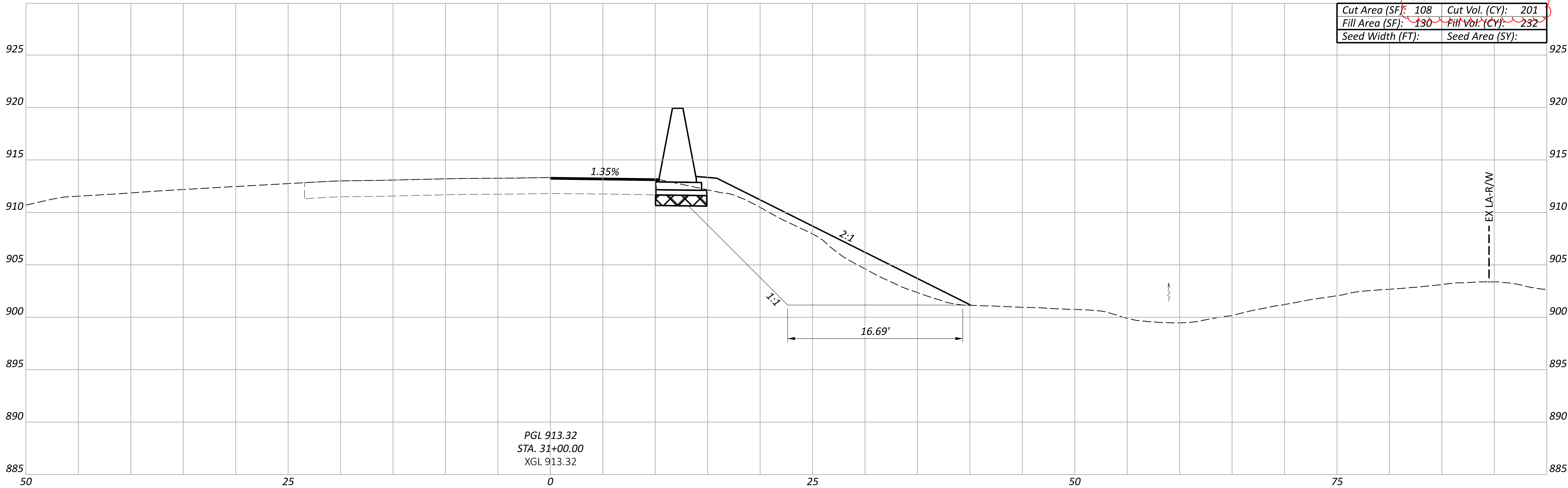


NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals			105435	
Seeding	Cut	Fill	SHEET	TOTAL
263	307		P.441	791

CROSS SECTIONS - RAMP Q
STA. 29+50.00 TO STA. 30+00.00

DESIGN AGENCY
TRANSYSTEMS 1100 SUPERIOR AVE. E. STE 1000 CLEVELAND, OHIO 44114
DESIGNER
RJG
REVIEWER
MSW 09/06/24
PROJECT ID
105435



ITEM 204 - EXCAVATION OF SUBGRADE (12")
ITEM 204 - GEOTEXTILE FABRIC
ITEM 304 - GRANULAR MATERIAL, TYPE B

NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals			105435	
Seeding	Cut	Fill	SHEET	TOTAL
368	416		P.442	791

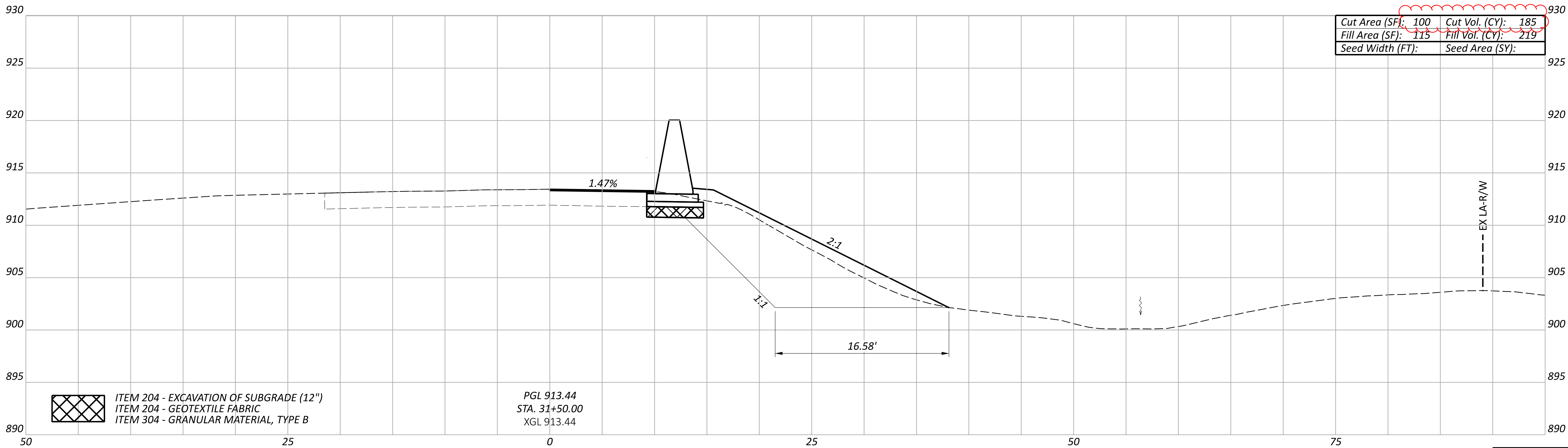
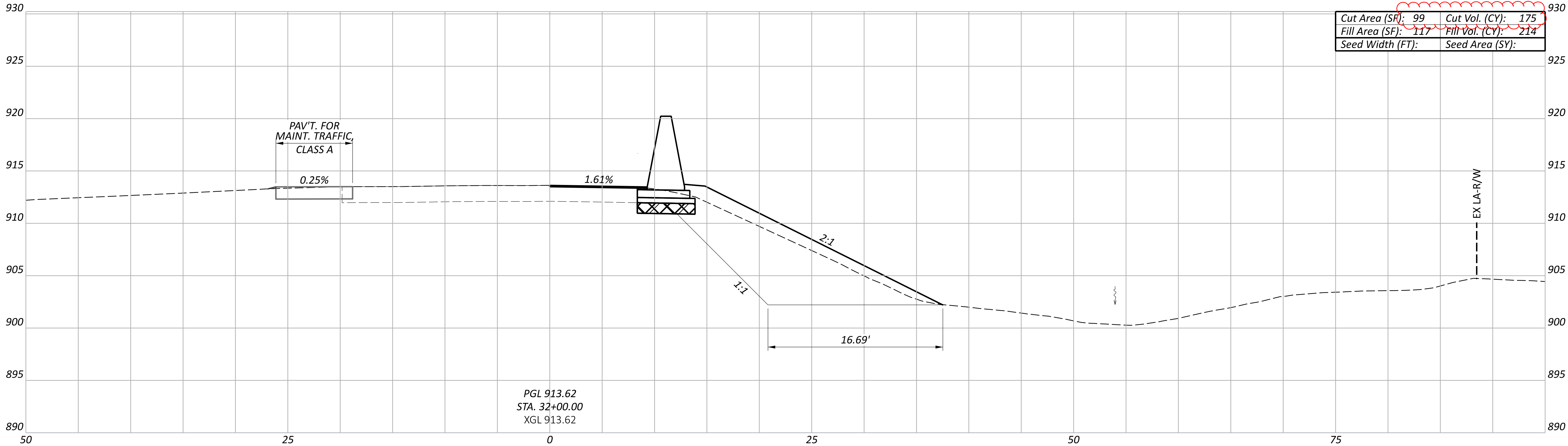
CROSS SECTIONS - RAMP Q
STA. 30+50.00 TO STA. 31+00.00

DESIGN AGENCY
TRANSYSTEMS
1100 SUPERIOR AVE. E. STE 1000
CLEVELAND, OHIO 44114

DESIGNER
RJG

REVIEWER
MSW 09/06/24

PROJECT ID
105435



ITEM 204 - EXCAVATION OF SUBGRADE (12")
ITEM 204 - GEOTEXTILE FABRIC
ITEM 304 - GRANULAR MATERIAL, TYPE B

NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals			105435	
Seeding	Cut	Fill	SHEET	TOTAL
367	433	P.443	791	

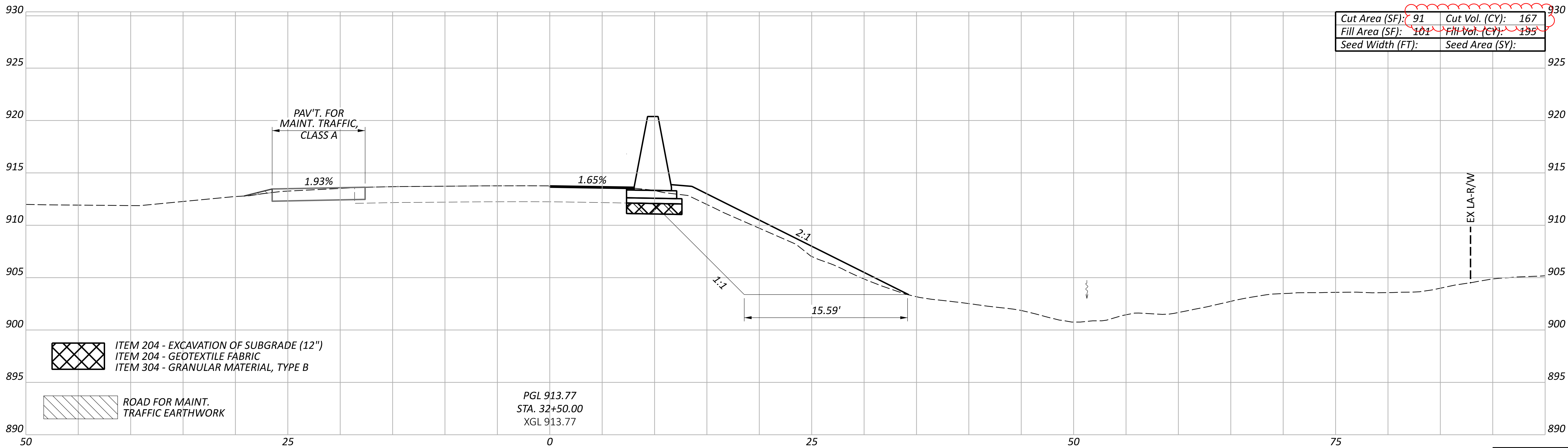
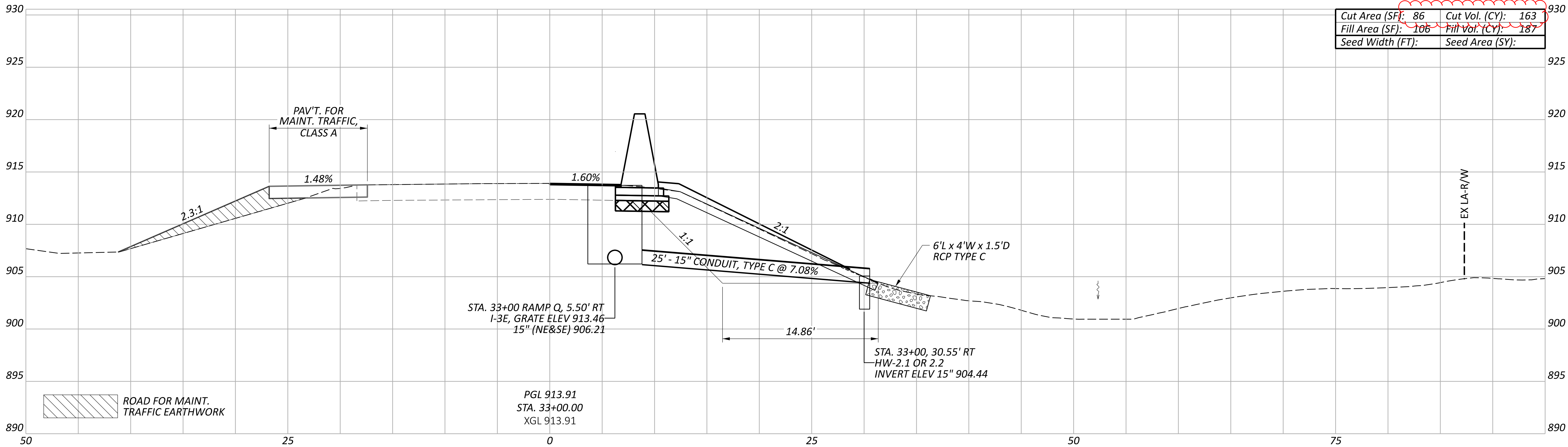
CROSS SECTIONS - RAMP Q
STA. 31+50.00 TO STA. 32+00.00

DESIGN AGENCY
TRANSYSTEMS
1100 SUPERIOR AVE. E. STE 1000
CLEVELAND, OHIO 44114

DESIGNER
RJG

REVIEWER
MSW 09/06/24

PROJECT ID
105435

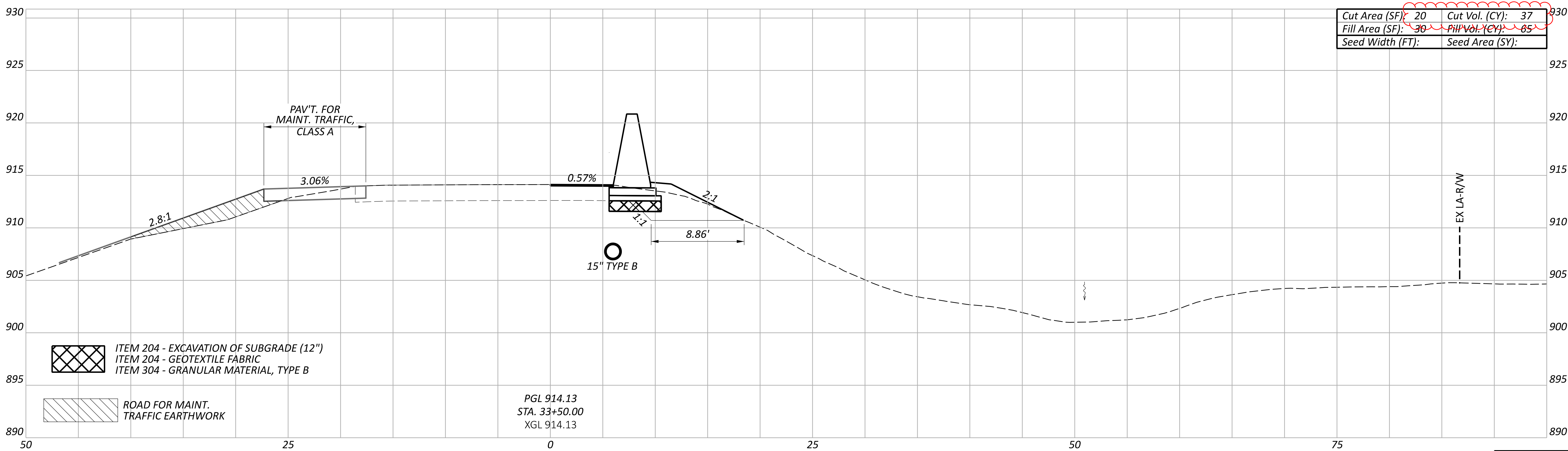
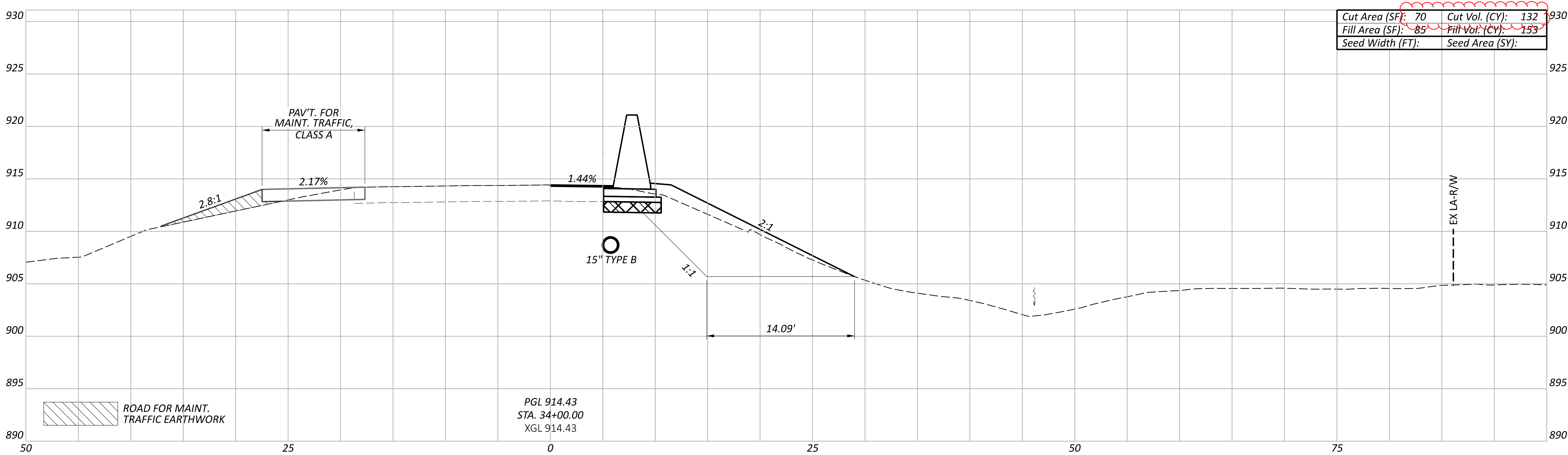


NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals			PROJECT ID	
Seeding	Cut	Fill	105435	TOTAL
330	382	P.444		

CROSS SECTIONS - RAMP Q
STA. 32+50.00 TO STA. 33+00.00

DESIGN AGENCY
TRANSYSTEMS 1100 SUPERIOR AVE. E. STE 1000 CLEVELAND, OHIO 44114
DESIGNER
RJG
REVIEWER
MSW 09/06/24
PROJECT ID
105435

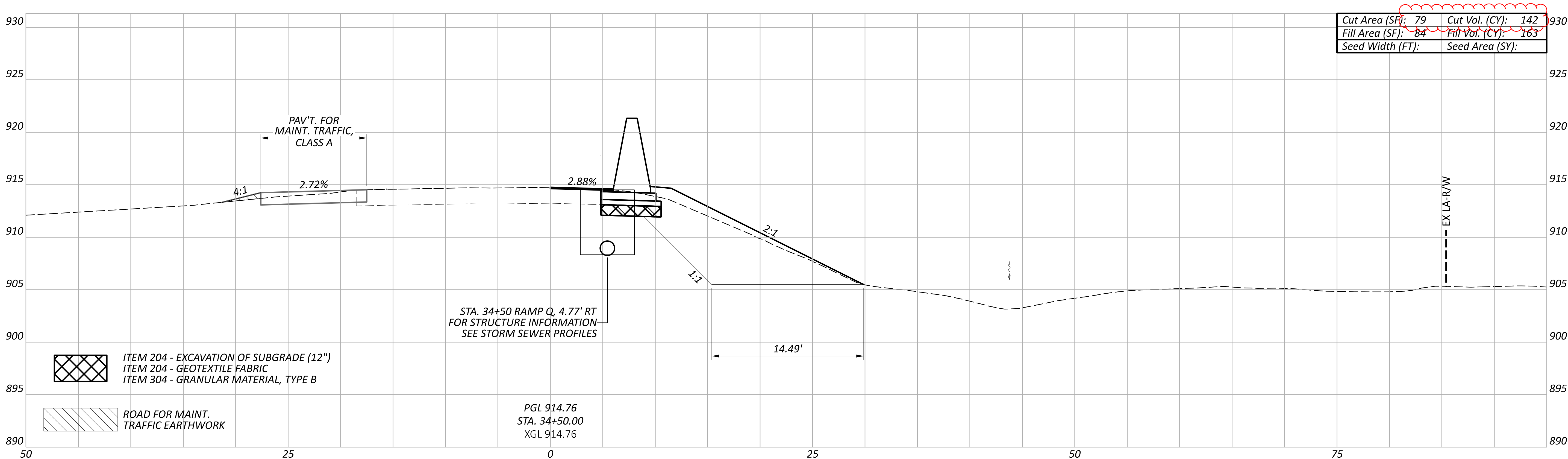
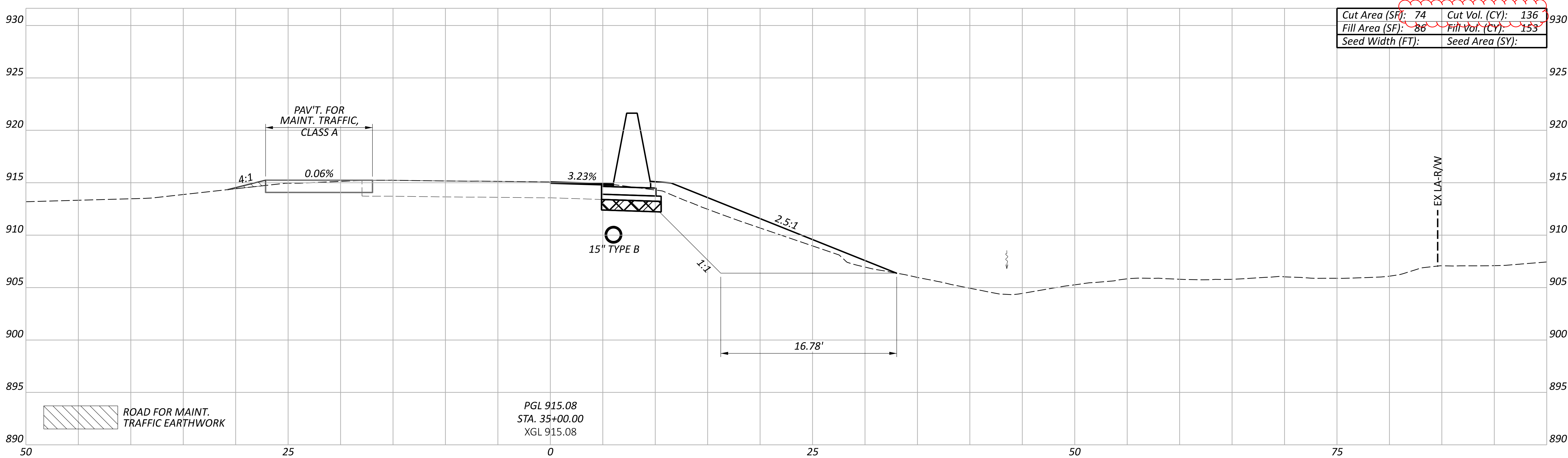


NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals			PROJECT ID	
Seeding	Cut	Fill	105435	TOTAL
169	218	791		

CROSS SECTIONS - RAMP Q
STA. 33+50.00 TO STA. 34+00.00

DESIGN AGENCY
TRANSYSTEMS 1100 SUPERIOR AVE. E. STE 1000 CLEVELAND, OHIO 44114
DESIGNER
RJG
REVIEWER
MSW 09/06/24
PROJECT ID
105435



CROSS SECTIONS - RAMP Q
STA. 34+50.00 TO STA. 35+00.00

DESIGN AGENCY
TRANSYSTEMS
1100 SUPERIOR AVE. E. STE 1000
CLEVELAND, OHIO 44114

DESIGNER
RJG

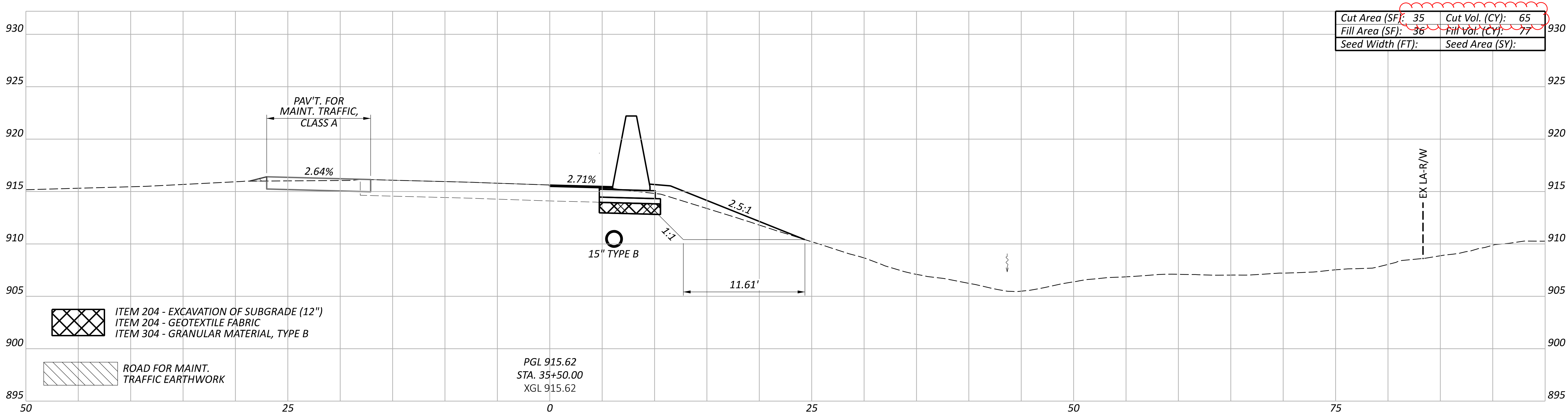
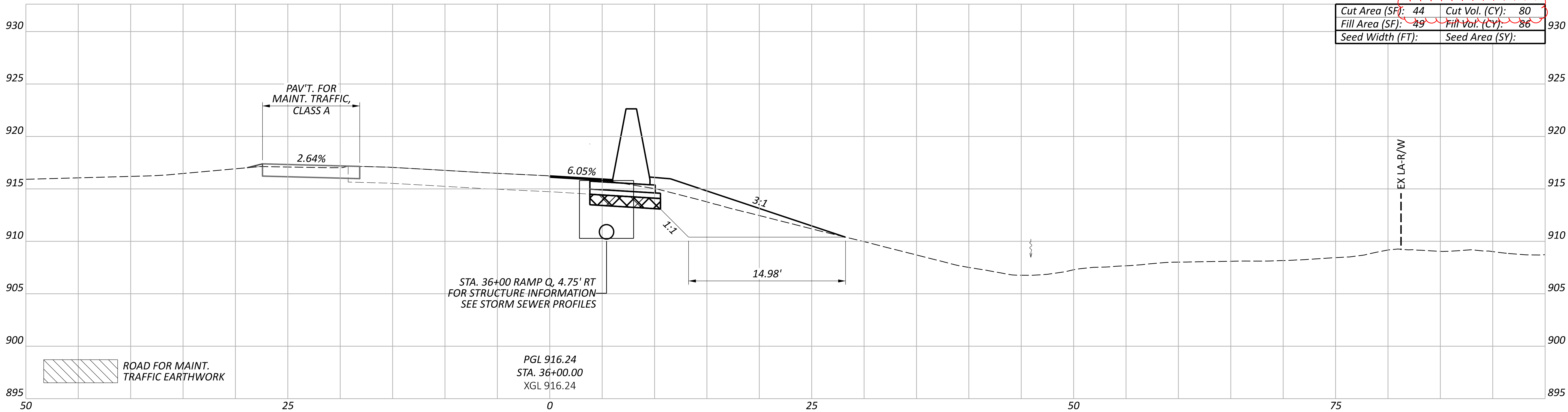
REVIEWER
MSW 09/06/24

PROJECT ID
105435

NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals		
Seeding	Cut	Fill
278	316	

SHEET	TOTAL
P.446	791

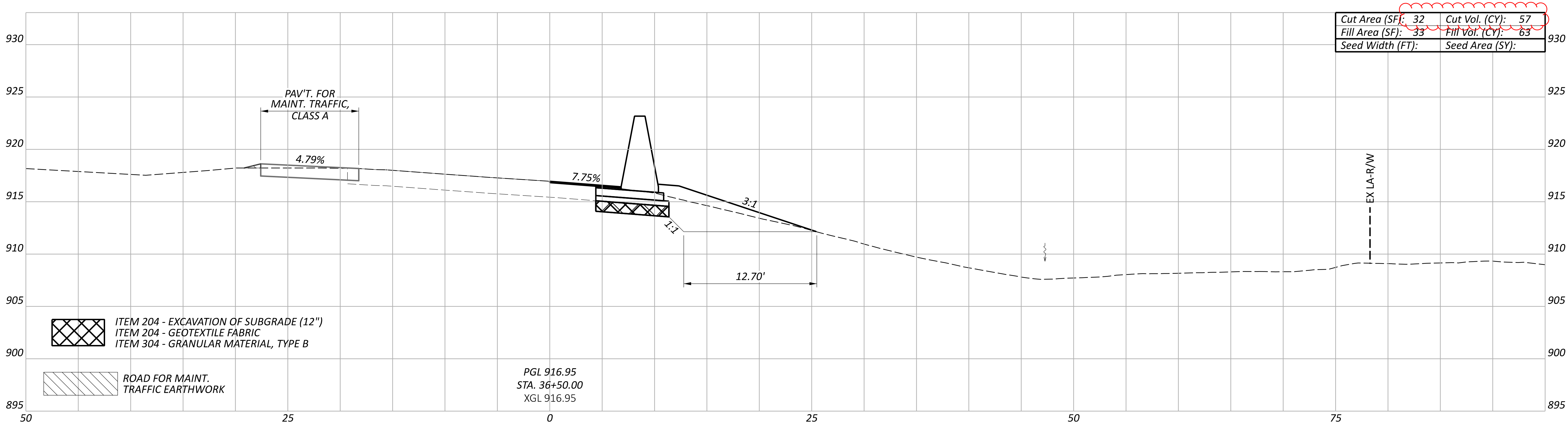
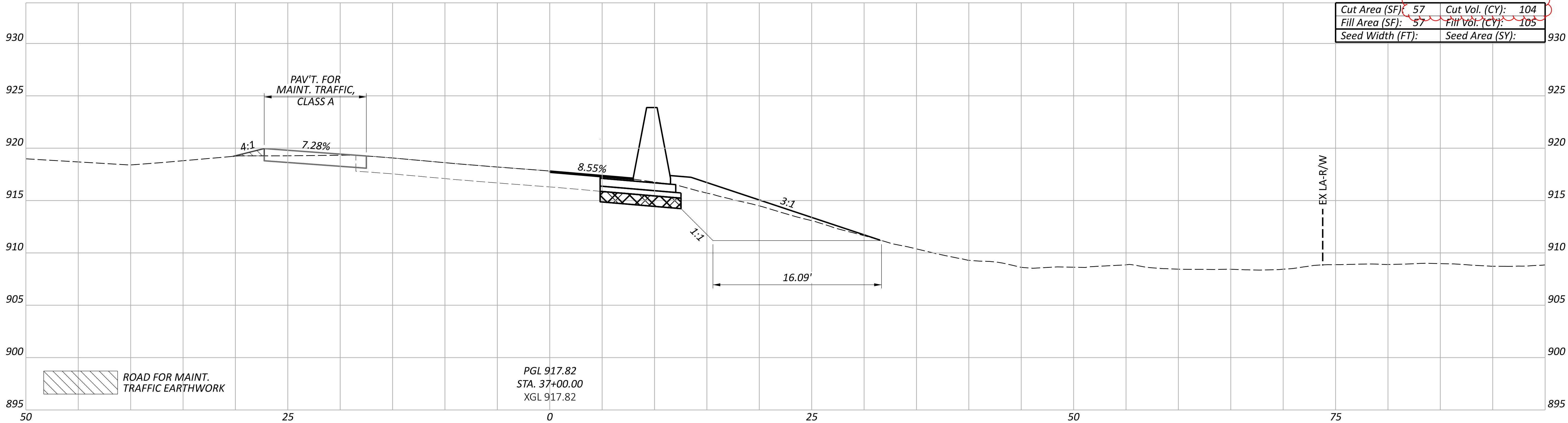


NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals			105435	
Seeding	Cut	Fill	SHEET	TOTAL
145	163	P.447	447	791

CROSS SECTIONS - RAMP Q
STA. 35+50.00 TO STA. 36+00.00

DESIGN AGENCY	TRANSYSTEMS
1100 SUPERIOR AVE. E. STE 1000 CLEVELAND, OHIO 44114	
DESIGNER	RJG
REVIEWER	MSW 09/06/24
PROJECT ID	105435

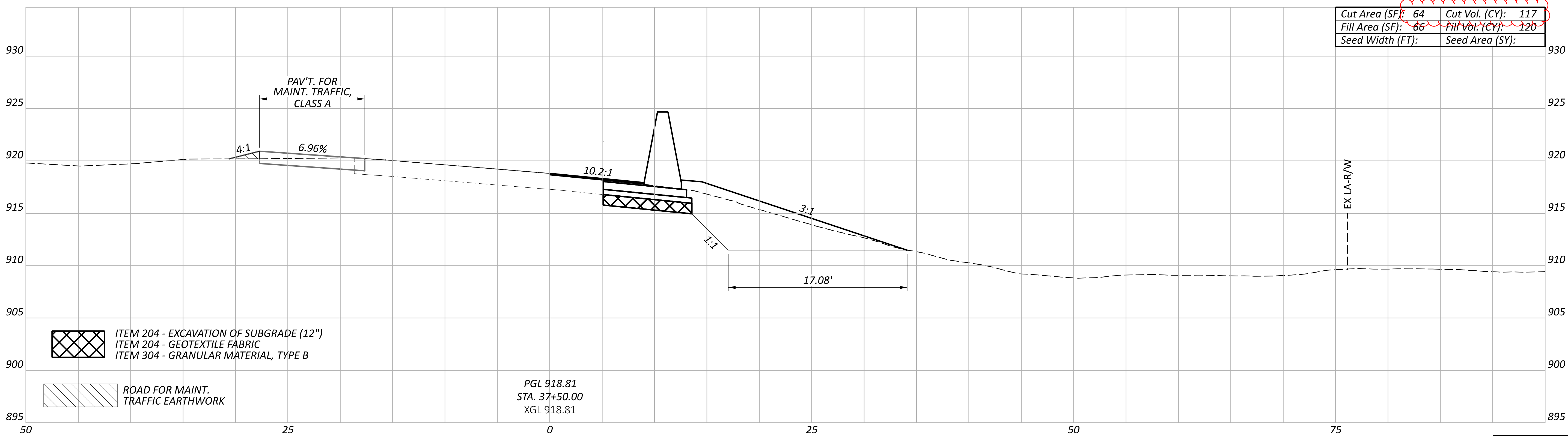
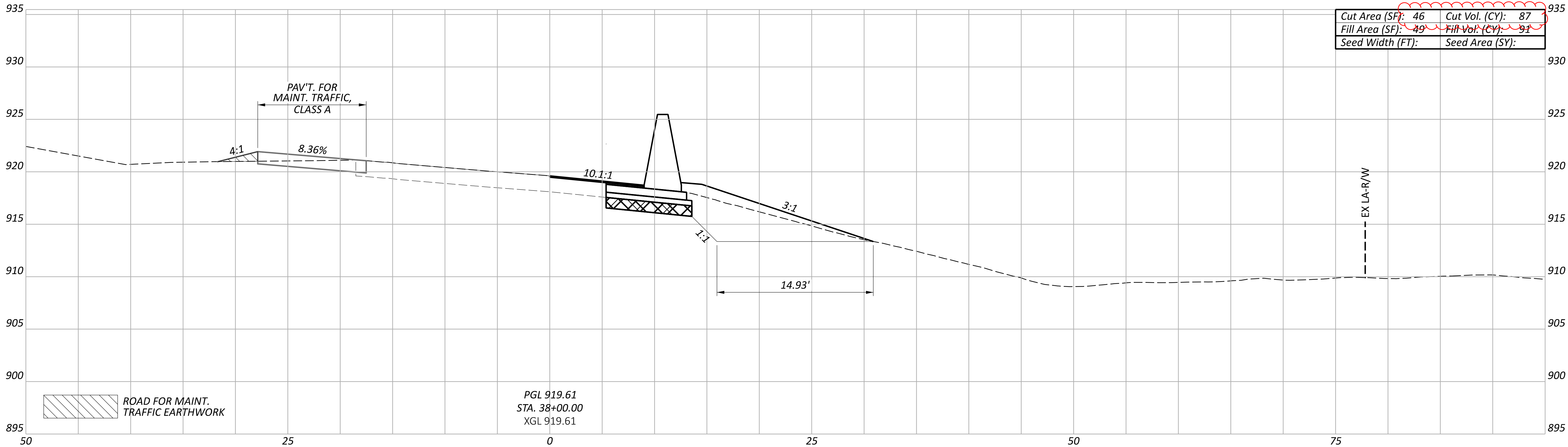


NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals		
Seeding	Cut	Fill
161	168	

CROSS SECTIONS - RAMP Q
STA. 36+50.00 TO STA. 37+00.00

DESIGN AGENCY	PROJECT ID
TRANSYSTEMS 1100 SUPERIOR AVE. E. STE 1000 CLEVELAND, OHIO 44114	105435
DESIGNER	SHEET
RJG	P.448
REVIEWER	TOTAL
MSW 09/06/24	791



NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals			105435	
Seeding	Cut	Fill	SHEET	TOTAL
204	217		P.449	791

CROSS SECTIONS - RAMP Q
STA. 37+50.00 TO STA. 38+00.00

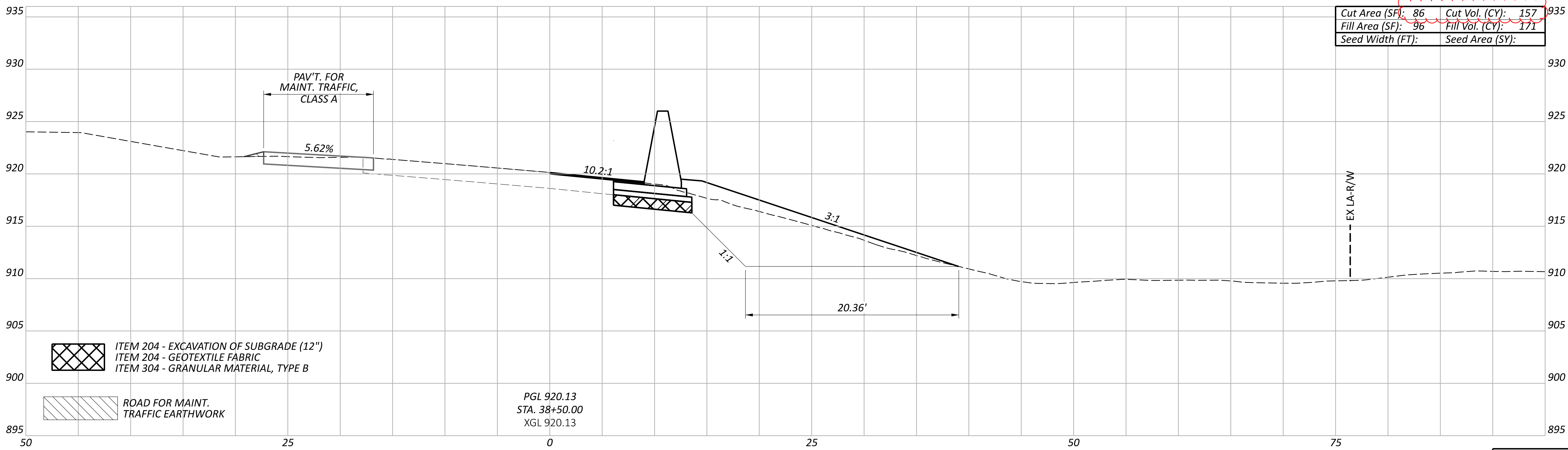
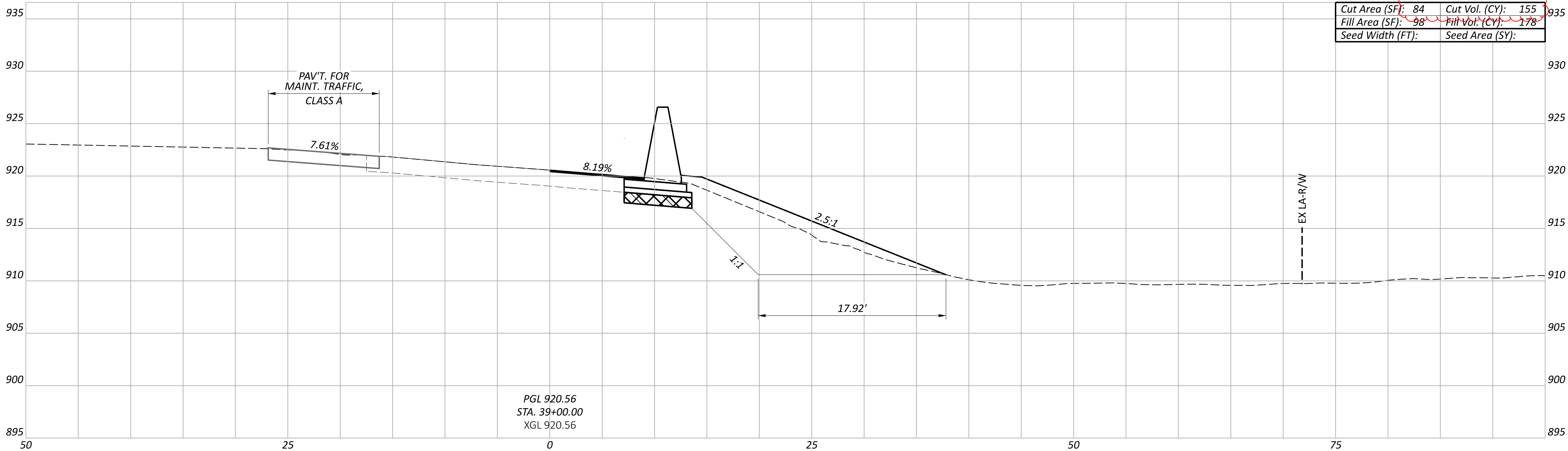
DESIGN AGENCY
TRANSYSTEMS
1100 SUPERIOR AVE. E. STE 1000
CLEVELAND, OHIO 44114

DESIGNER
RJG

REVIEWER
MSW

DATE
09/06/24

PROJECT ID
105435



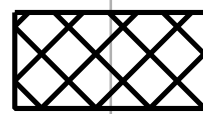
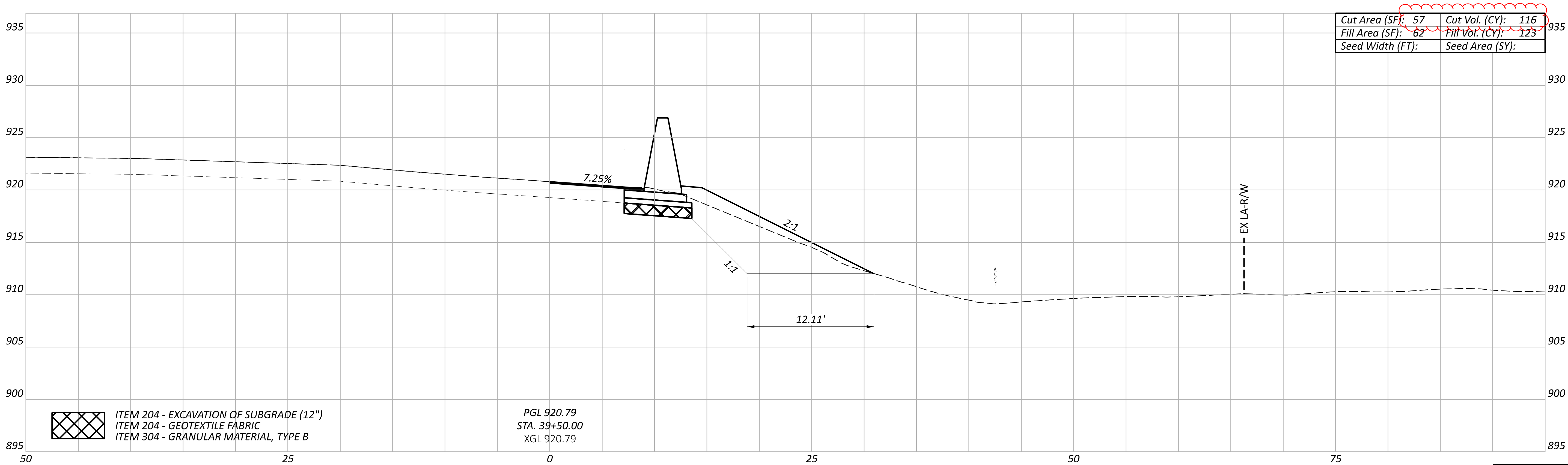
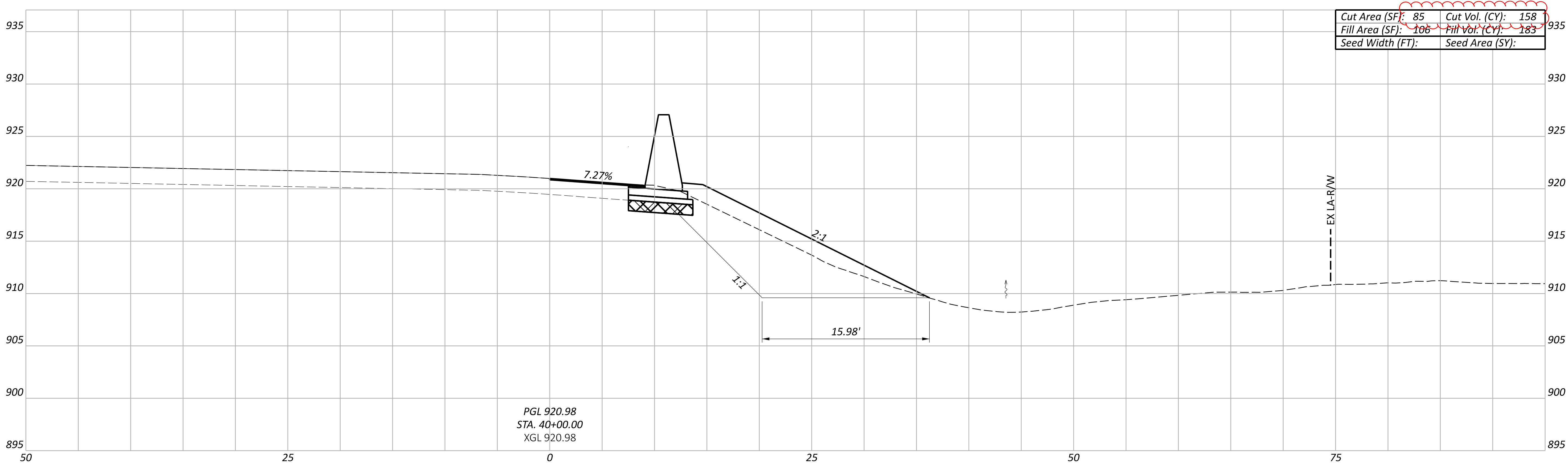
- ITEM 204 - EXCAVATION OF SUBGRADE (12")
ITEM 204 - GEOTEXTILE FABRIC
ITEM 304 - GRANULAR MATERIAL, TYPE B
- ROAD FOR MAINT. TRAFFIC EARTHWORK

NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals			PROJECT ID	
Seeding	Cut	Fill	105435	TOTAL
312	349	P.450		

CROSS SECTIONS - RAMP Q
STA. 38+50.00 TO STA. 39+00.00

DESIGN AGENCY	
TRANSYSTEMS	
1100 SUPERIOR AVE. E. STE 1000	
CLEVELAND, OHIO 44114	
DESIGNER	
RJG	
REVIEWER	
MSW 09/06/24	
PROJECT ID	
105435	



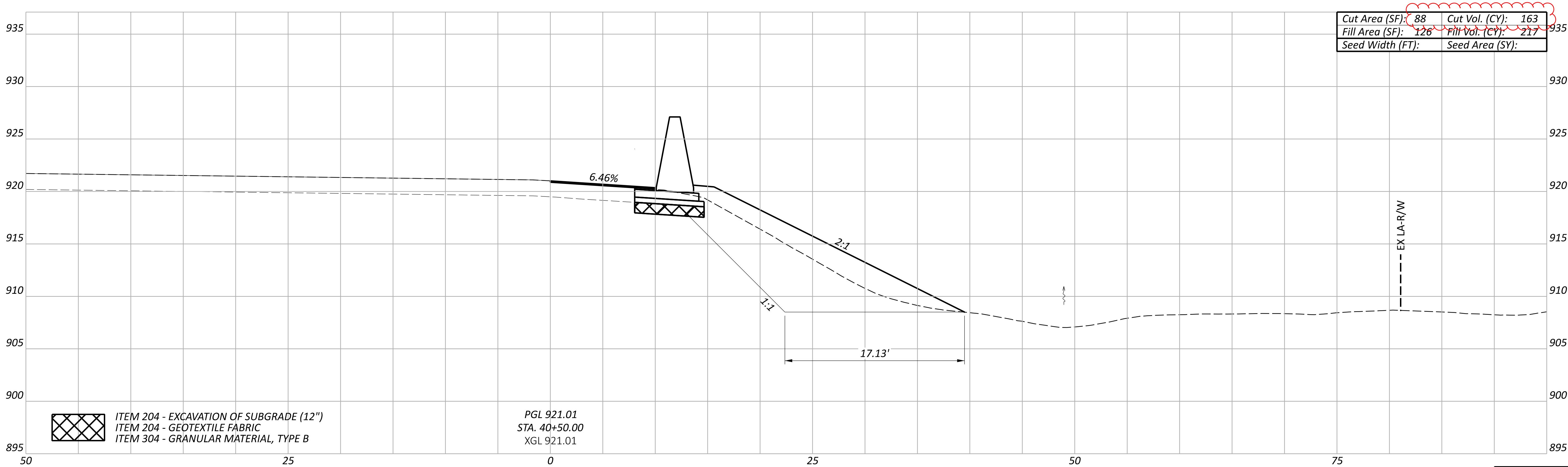
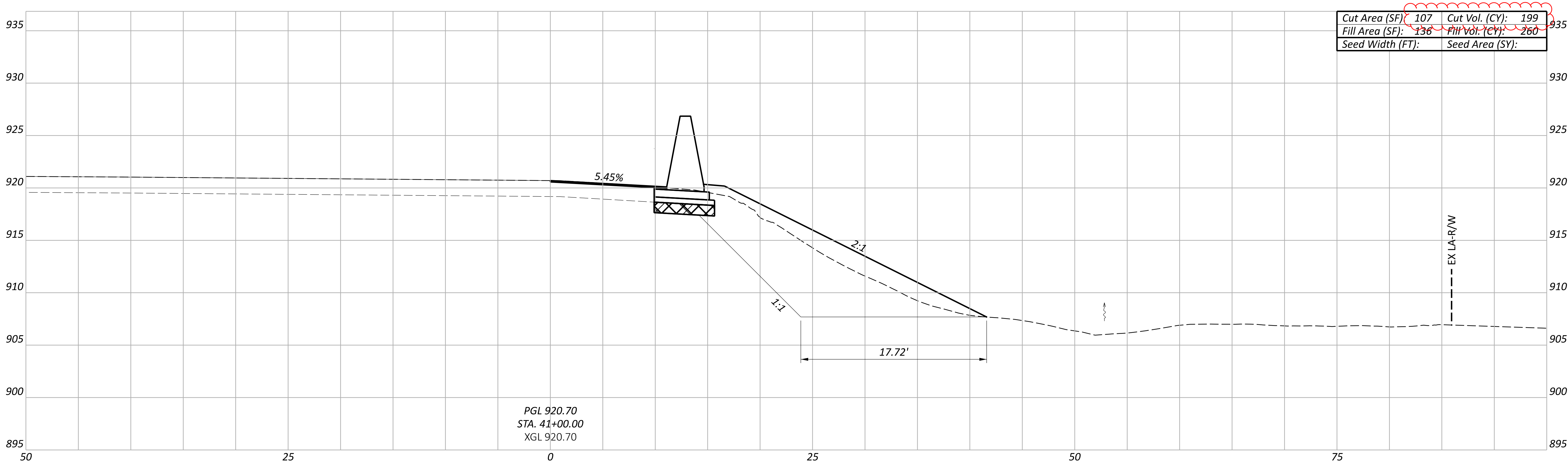
ITEM 204 - EXCAVATION OF SUBGRADE (12")
ITEM 204 - GEOTEXTILE FABRIC
ITEM 304 - GRANULAR MATERIAL, TYPE B

NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals			105435	
Seeding	Cut	Fill	SHEET	TOTAL
274	306		P.451	791

CROSS SECTIONS - RAMP Q
STA. 39+50.00 TO STA. 40+00.00

DESIGN AGENCY
TRANSYSTEMS 1100 SUPERIOR AVE. E. STE 1000 CLEVELAND, OHIO 44114
DESIGNER
RJG
REVIEWER
MSW 09/06/24
PROJECT ID
105435



ITEM 204 - EXCAVATION OF SUBGRADE (12")
ITEM 204 - GEOTEXTILE FABRIC
ITEM 304 - GRANULAR MATERIAL, TYPE B

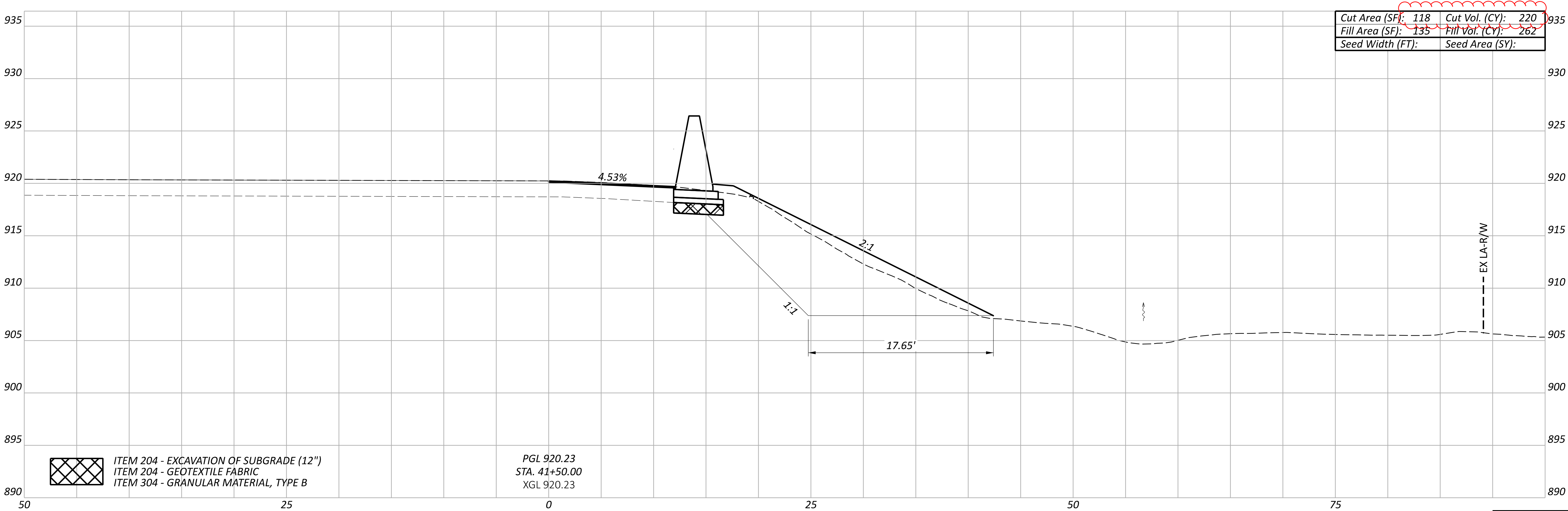
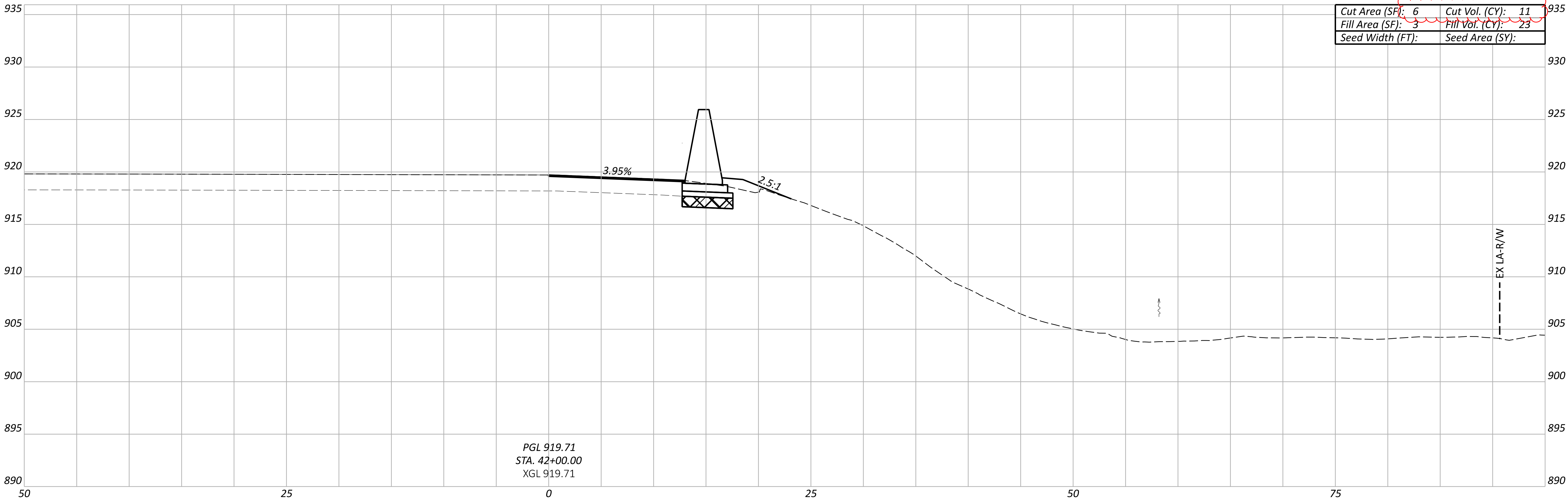
PGL 921.01
STA. 40+50.00
XGL 921.01

NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals			105435	
Seeding	Cut	Fill	SHEET	TOTAL
362	477		P.452	791

CROSS SECTIONS - RAMP Q
STA. 40+50.00 TO STA. 41+00.00

DESIGN AGENCY
TRANSYSTEMS 1100 SUPERIOR AVE. E. STE 1000 CLEVELAND, OHIO 44114
DESIGNER
RJG
REVIEWER
MSW 09/06/24
PROJECT ID
105435



NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals			105435	
Seeding	Cut	Fill	SHEET	TOTAL
232	285		P.453	791

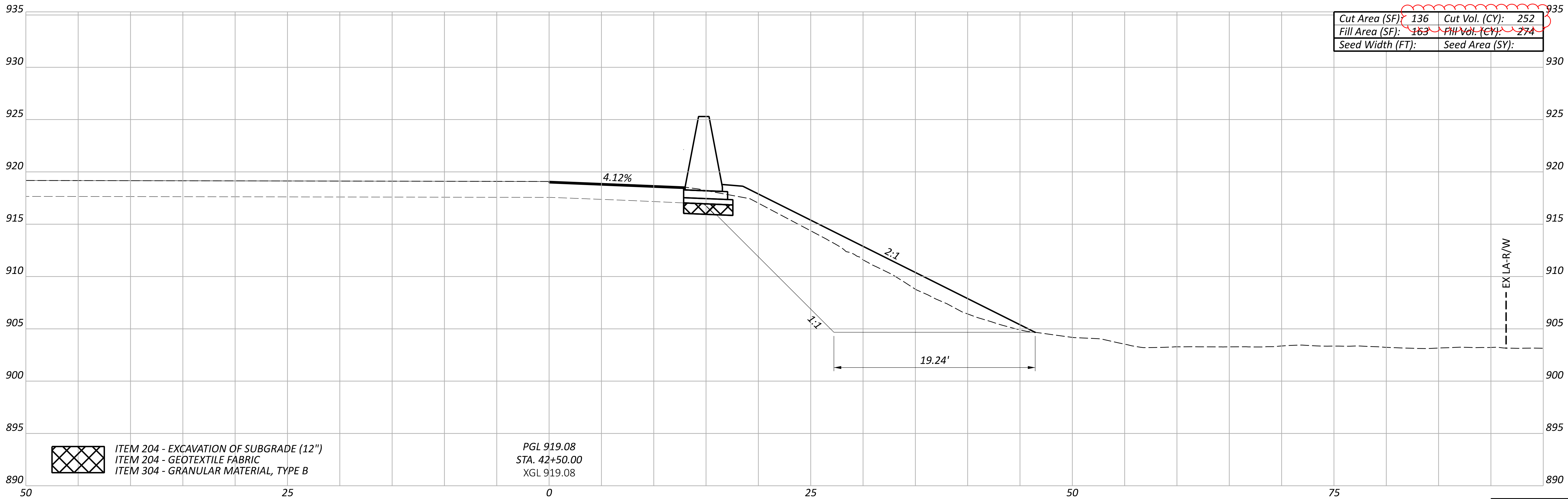
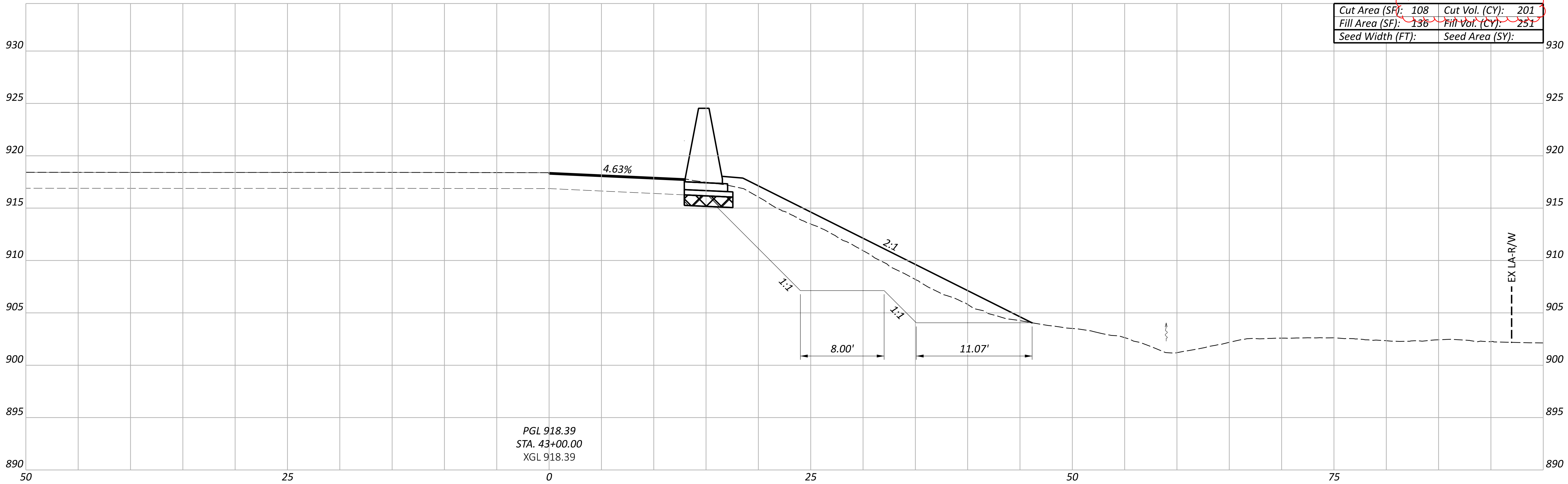
CROSS SECTIONS - RAMP Q
STA. 41+50.00 TO STA. 42+00.00

DESIGN AGENCY
TRANSYSYSTEMS
1100 SUPERIOR AVE. E. STE 1000
CLEVELAND, OHIO 44114

DESIGNER
RJG

REVIEWER
MSW 09/06/24

PROJECT ID
105435



ITEM 204 - EXCAVATION OF SUBGRADE (12")
ITEM 204 - GEOTEXTILE FABRIC
ITEM 304 - GRANULAR MATERIAL, TYPE B

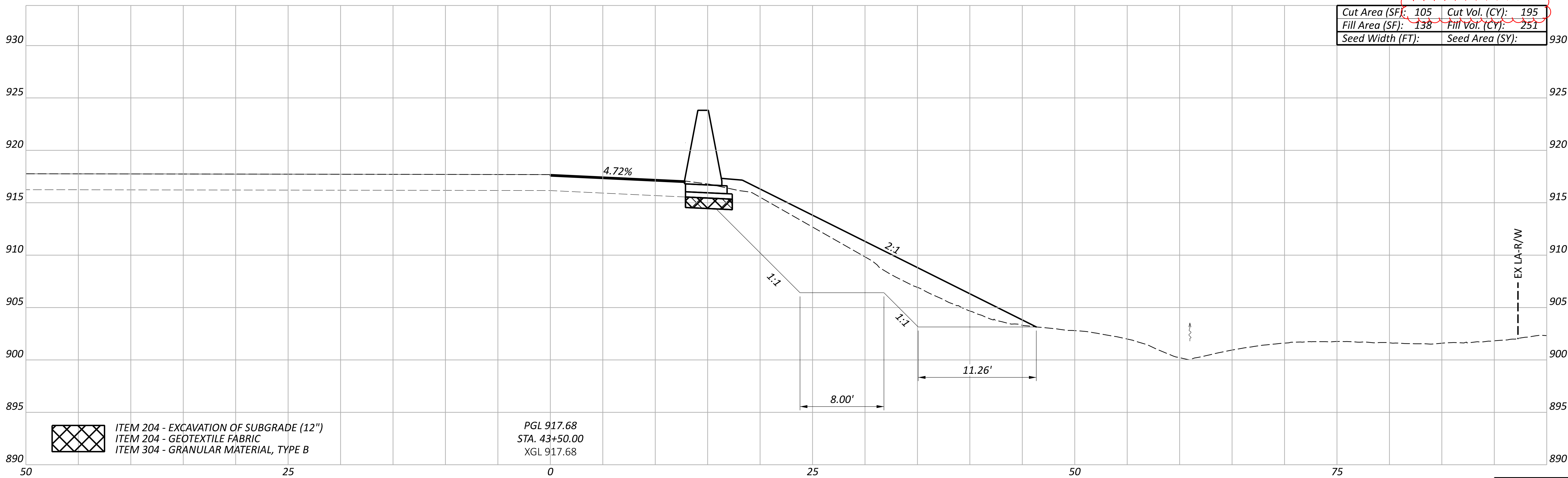
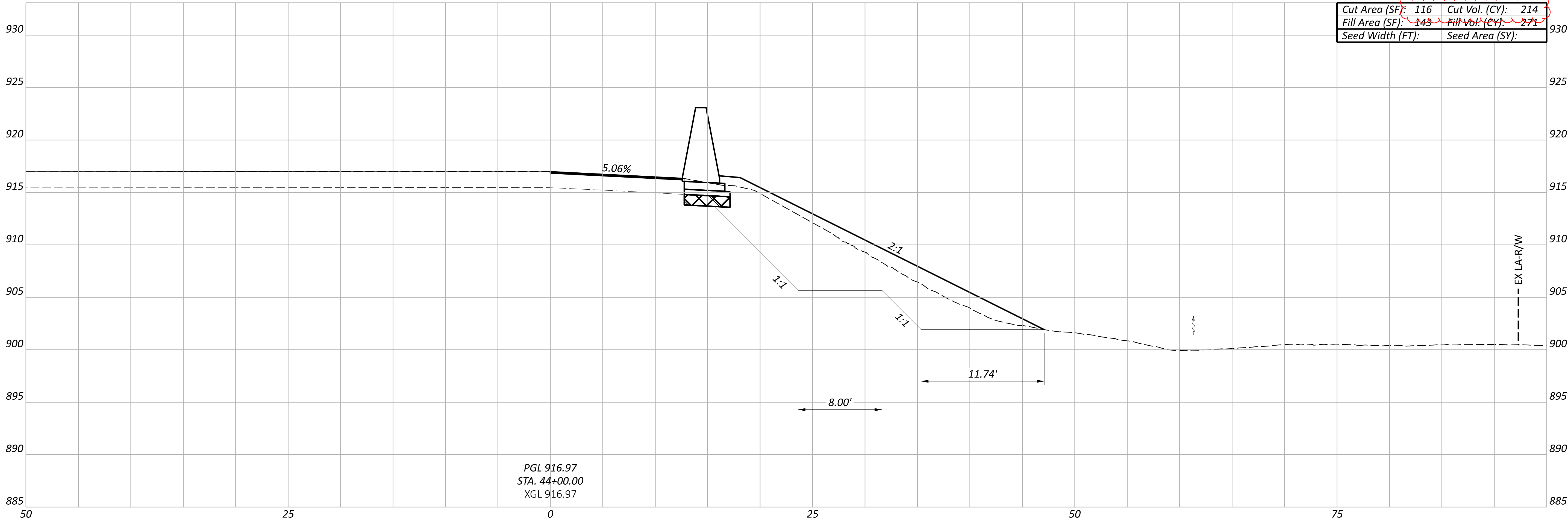
PGL 919.08
STA. 42+50.00
XGL 919.08

NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals			105435	
Seeding	Cut	Fill	SHEET	TOTAL
453	625		P.454	791

CROSS SECTIONS - RAMP Q
STA. 42+50.00 TO STA. 43+00.00

DESIGN AGENCY
TRANSYSTEMS 1100 SUPERIOR AVE. E. STE 1000 CLEVELAND, OHIO 44114
DESIGNER
RJG
REVIEWER
MSW 09/06/24
PROJECT ID
105435



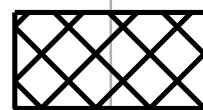
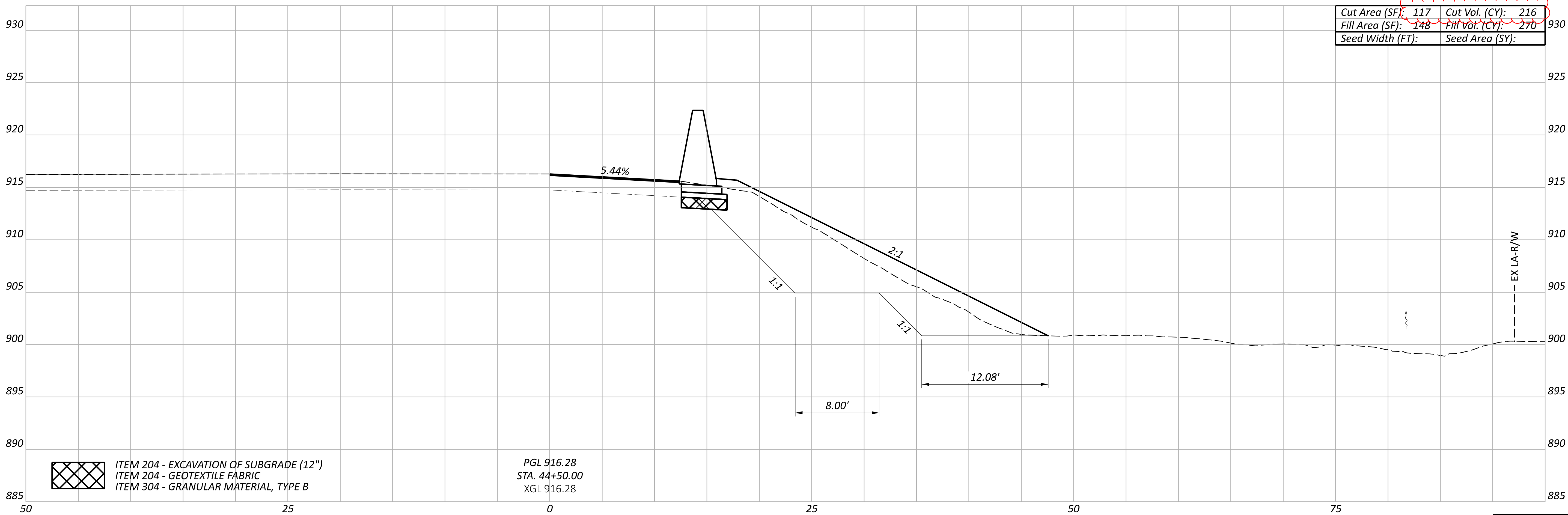
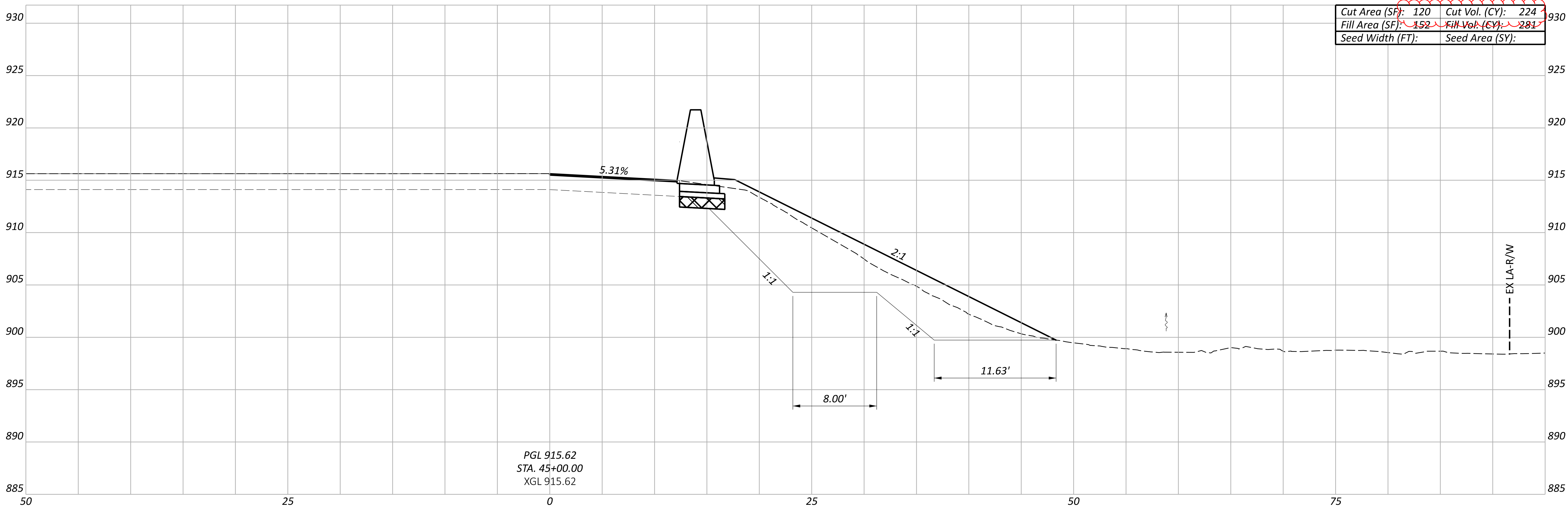
ITEM 204 - EXCAVATION OF SUBGRADE (12")
ITEM 204 - GEOTEXTILE FABRIC
ITEM 304 - GRANULAR MATERIAL, TYPE B

NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals			105435	
Seeding	Cut	Fill	SHEET	TOTAL
408	522	P.455	791	

CROSS SECTIONS - RAMP Q
STA. 43+50.00 TO STA. 44+00.00

DESIGN AGENCY
TRANSYSTEMS 1100 SUPERIOR AVE. E. STE 1000 CLEVELAND, OHIO 44114
DESIGNER
RJG
REVIEWER
MSW 09/06/24
PROJECT ID
105435



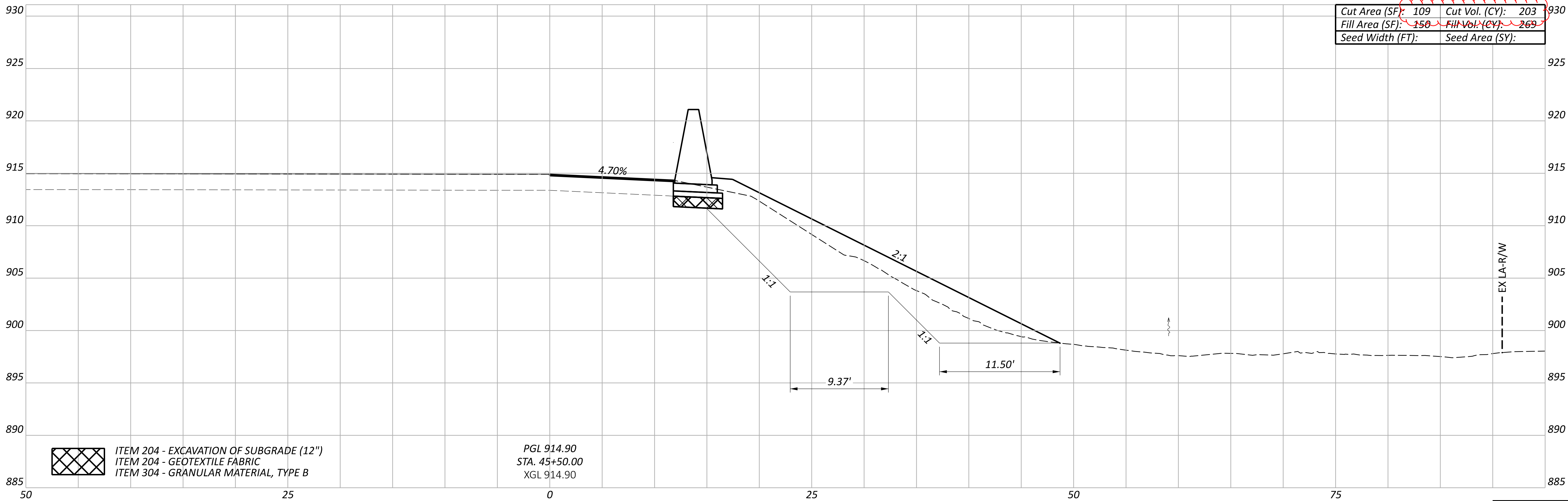
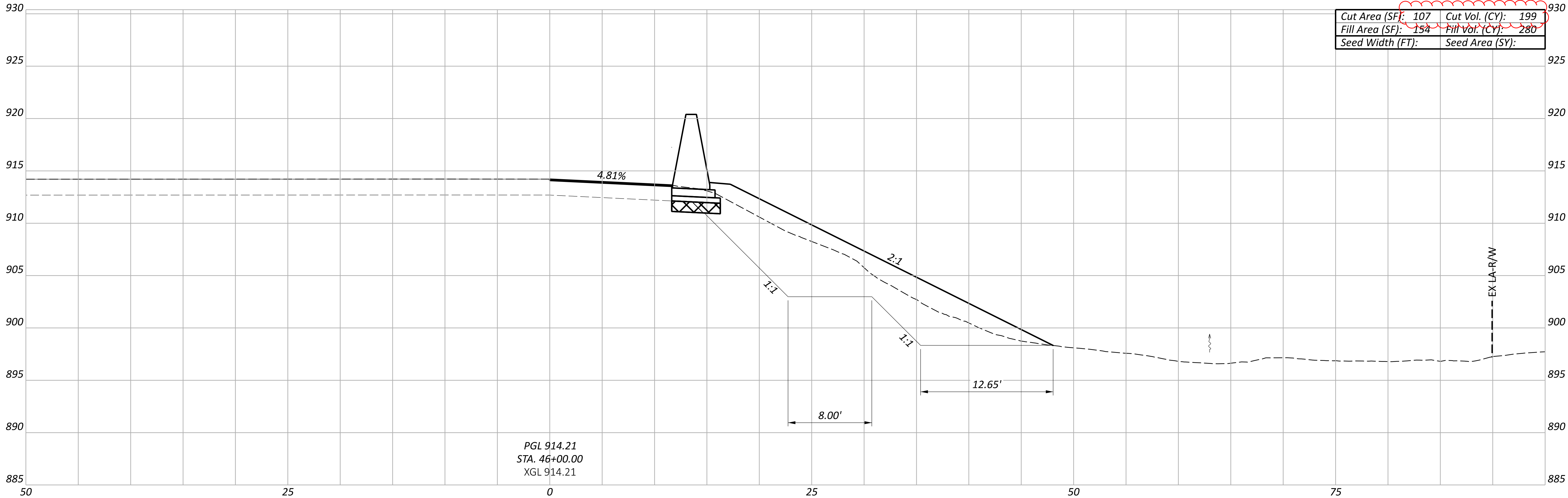
ITEM 204 - EXCAVATION OF SUBGRADE (12")
ITEM 204 - GEOTEXTILE FABRIC
ITEM 304 - GRANULAR MATERIAL, TYPE B

NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals			105435	
Seeding	Cut	Fill	SHEET	TOTAL
440	557		P.456	791

CROSS SECTIONS - RAMP Q
STA. 44+50.00 TO STA. 45+00.00

DESIGN AGENCY	TRANSYSTEMS
1100 SUPERIOR AVE. E. STE 1000	CLEVELAND, OHIO 44114
DESIGNER	RJG
REVIEWER	MSW
PROJECT ID	105435
SHEET	P.456
TOTAL	791



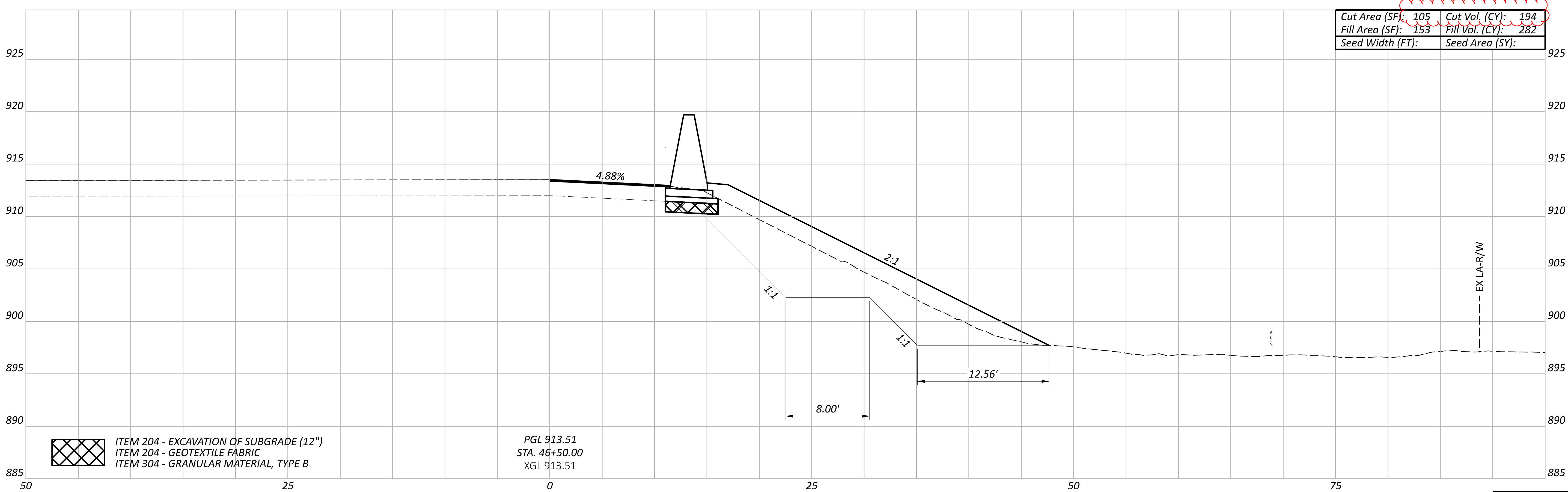
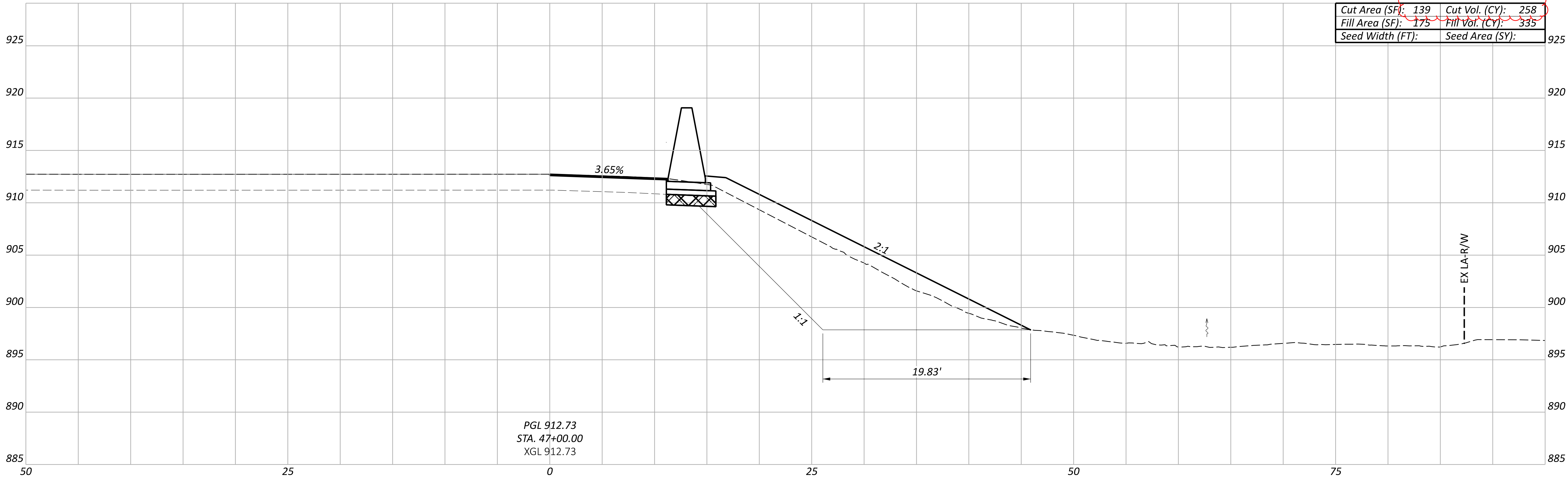
ITEM 204 - EXCAVATION OF SUBGRADE (12")
ITEM 204 - GEOTEXTILE FABRIC
ITEM 304 - GRANULAR MATERIAL, TYPE B

NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals			105435	
Seeding	Cut	Fill	SHEET	TOTAL
402	402	549	P.457	791

CROSS SECTIONS - RAMP Q
STA. 45+50.00 TO STA. 46+00.00

DESIGN AGENCY
TRANSYSTEMS 1100 SUPERIOR AVE. E. STE 1000 CLEVELAND, OHIO 44114
DESIGNER
RJG
REVIEWER
MSW 09/06/24
PROJECT ID
105435



ITEM 204 - EXCAVATION OF SUBGRADE (12")
ITEM 204 - GEOTEXTILE FABRIC
ITEM 304 - GRANULAR MATERIAL, TYPE B

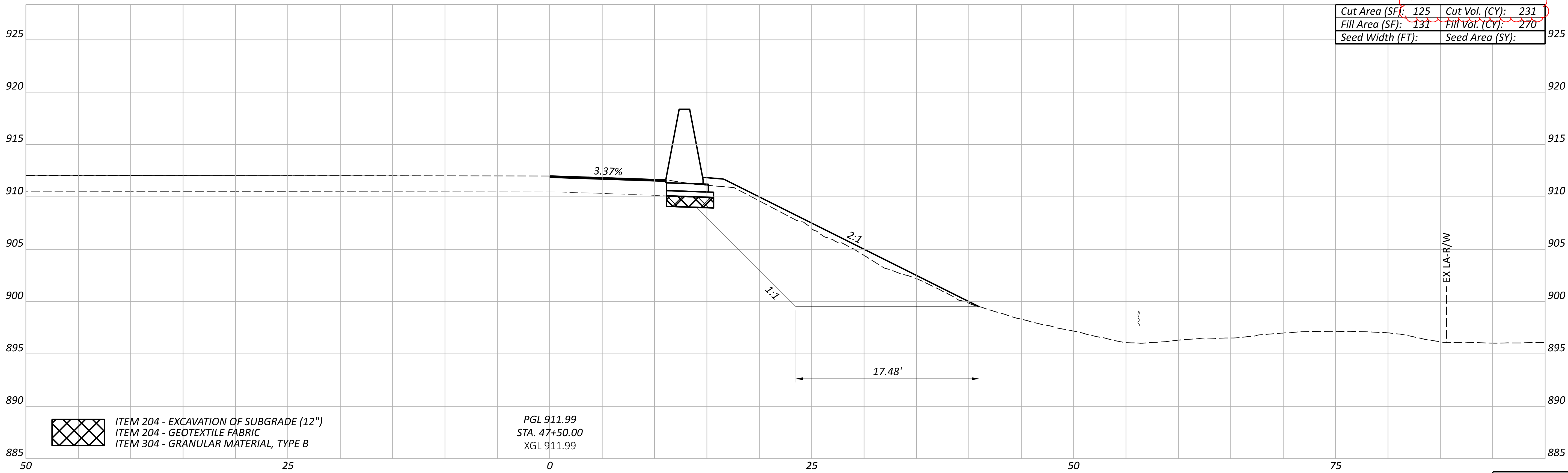
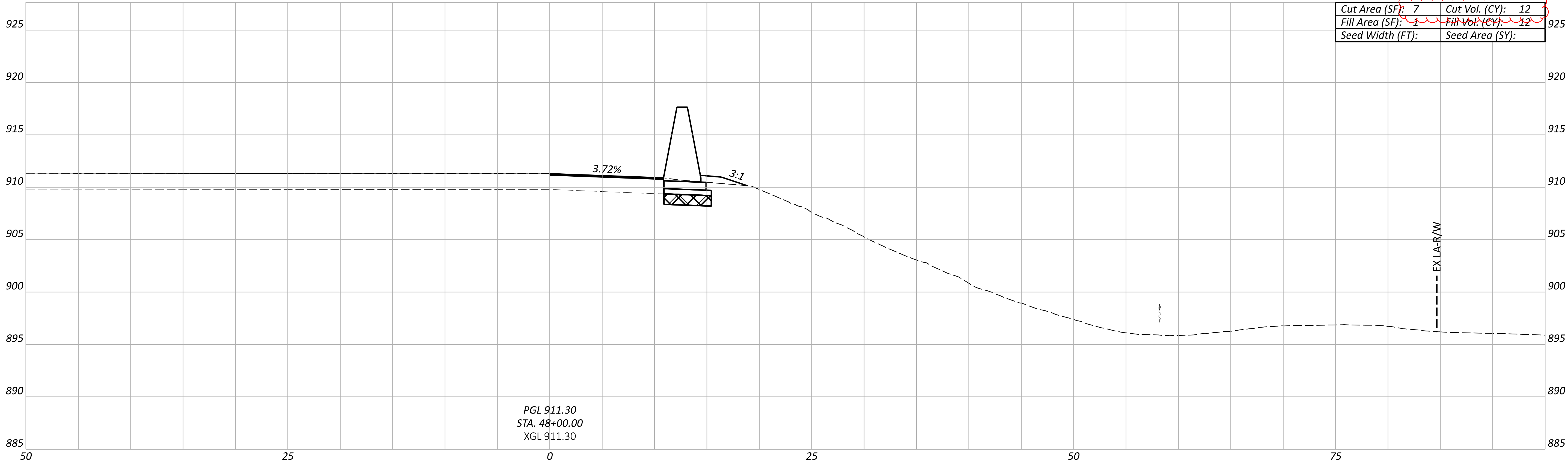
PGL 913.51
STA. 46+50.00
XGL 913.51

NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals			105435	
Seeding	Cut	Fill	SHEET	TOTAL
451	617	P.458	791	

CROSS SECTIONS - RAMP Q
STA. 46+50.00 TO STA. 47+00.00

DESIGN AGENCY
TRANSYSTEMS 1100 SUPERIOR AVE. E. STE 1000 CLEVELAND, OHIO 44114
DESIGNER
RJG
REVIEWER
MSW 09/06/24
PROJECT ID
105435



ITEM 204 - EXCAVATION OF SUBGRADE (12")
ITEM 204 - GEOTEXTILE FABRIC
ITEM 304 - GRANULAR MATERIAL, TYPE B

NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals			105435	
Seeding	Cut	Fill	SHEET	TOTAL
243	282		P.459	791

CROSS SECTIONS - RAMP Q
STA. 47+50.00 TO STA. 48+00.00

DESIGN AGENCY

TRANSYSTEMS
1100 SUPERIOR AVE. E. STE 1000
CLEVELAND, OHIO 44114

DESIGNER

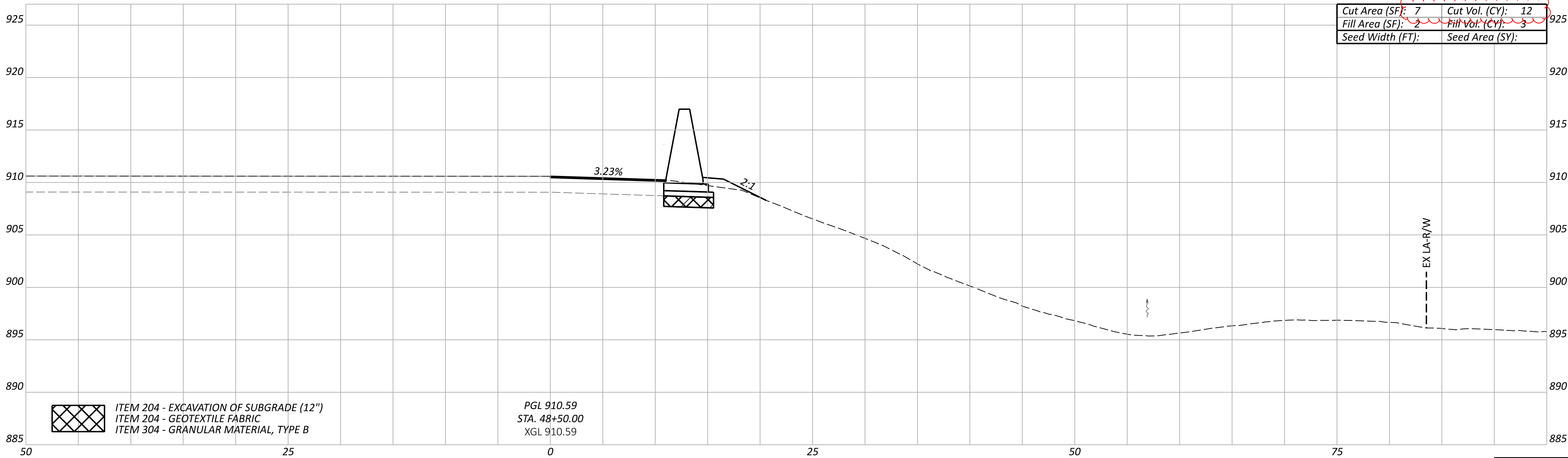
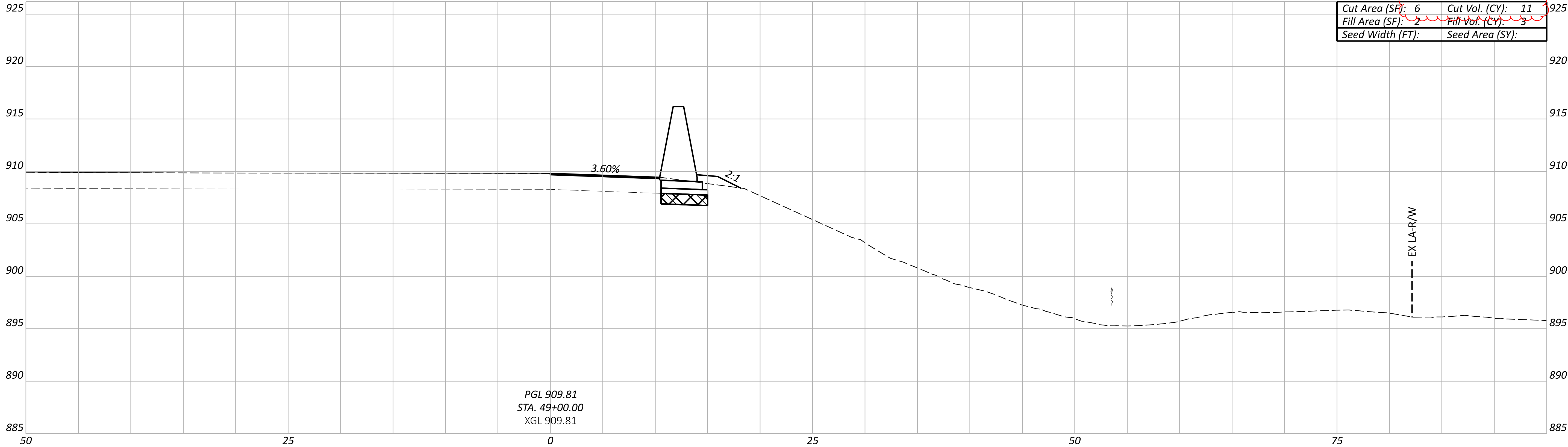
RJG

REVIEWER

MSW 09/06/24

PROJECT ID

105435



ITEM 204 - EXCAVATION OF SUBGRADE (12")
ITEM 204 - GEOTEXTILE FABRIC
ITEM 304 - GRANULAR MATERIAL, TYPE B

NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals		
Seeding	Cut	Fill
23	6	

CROSS SECTIONS - RAMP Q
STA. 48+50.00 TO STA. 49+00.00

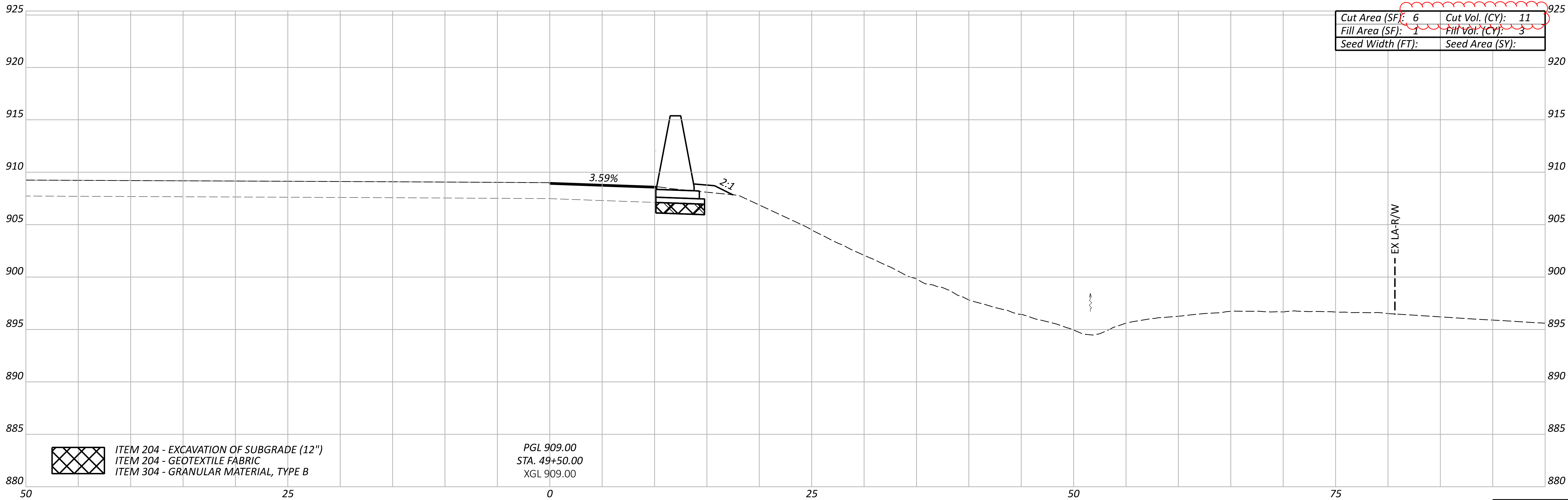
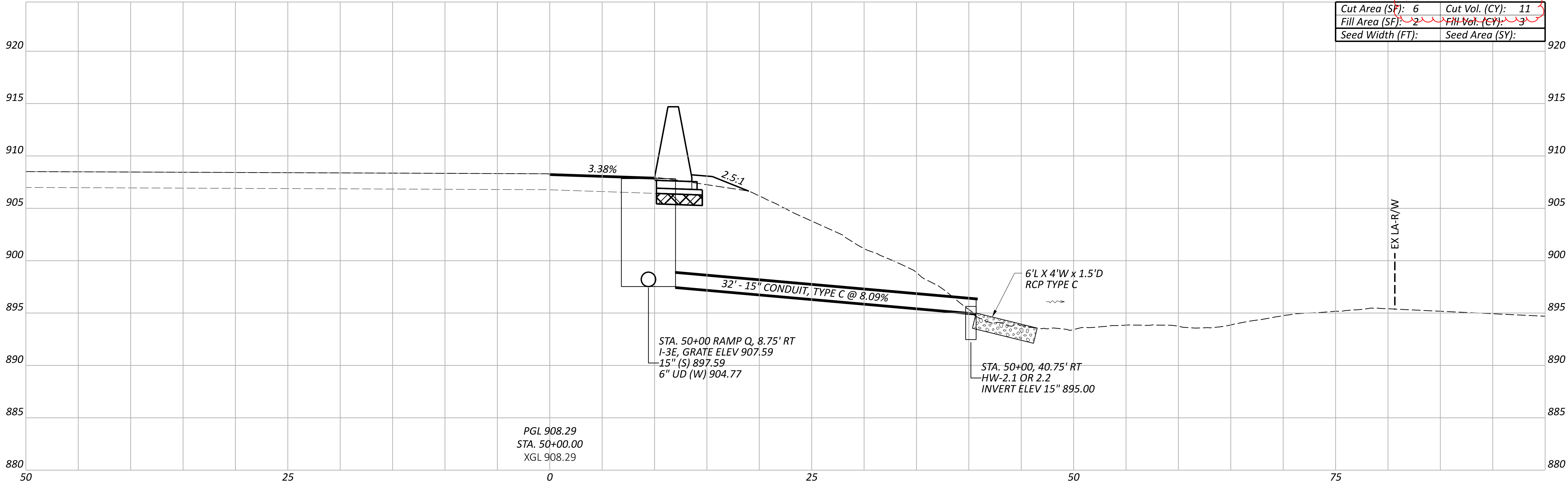
DESIGN AGENCY
TRANSYSTEMS
1100 SUPERIOR AVE. E. STE 1000
CLEVELAND, OHIO 44114

DESIGNER
RJG

REVIEWER
MSW 09/06/24

PROJECT ID
105435

SHEET	TOTAL
P.460	791



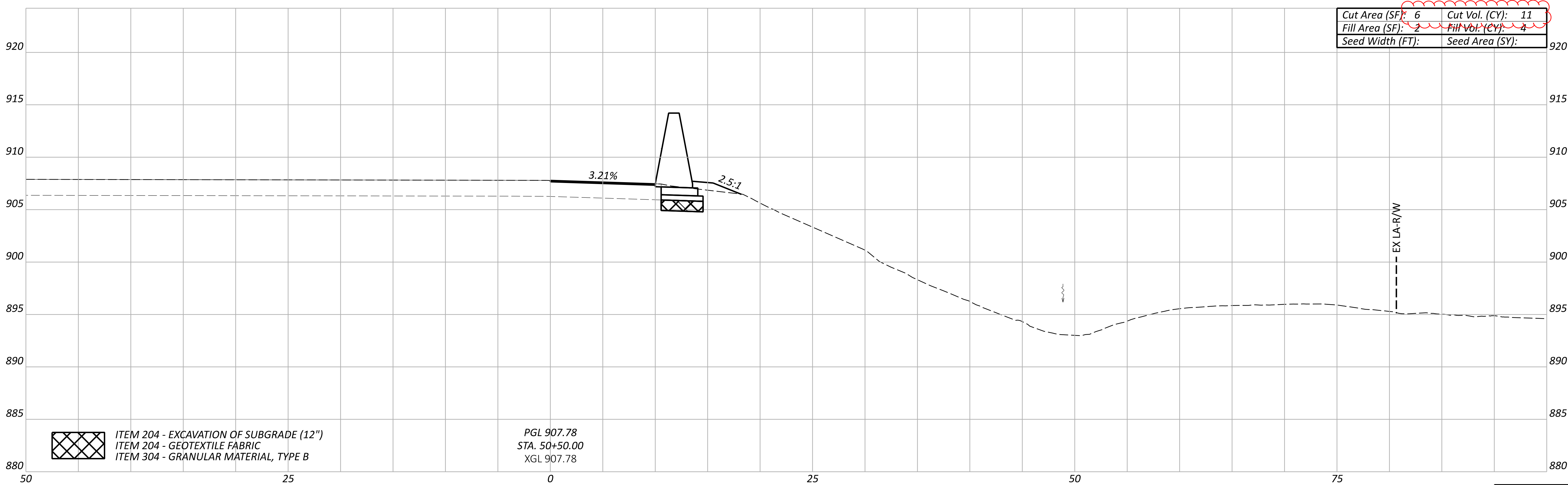
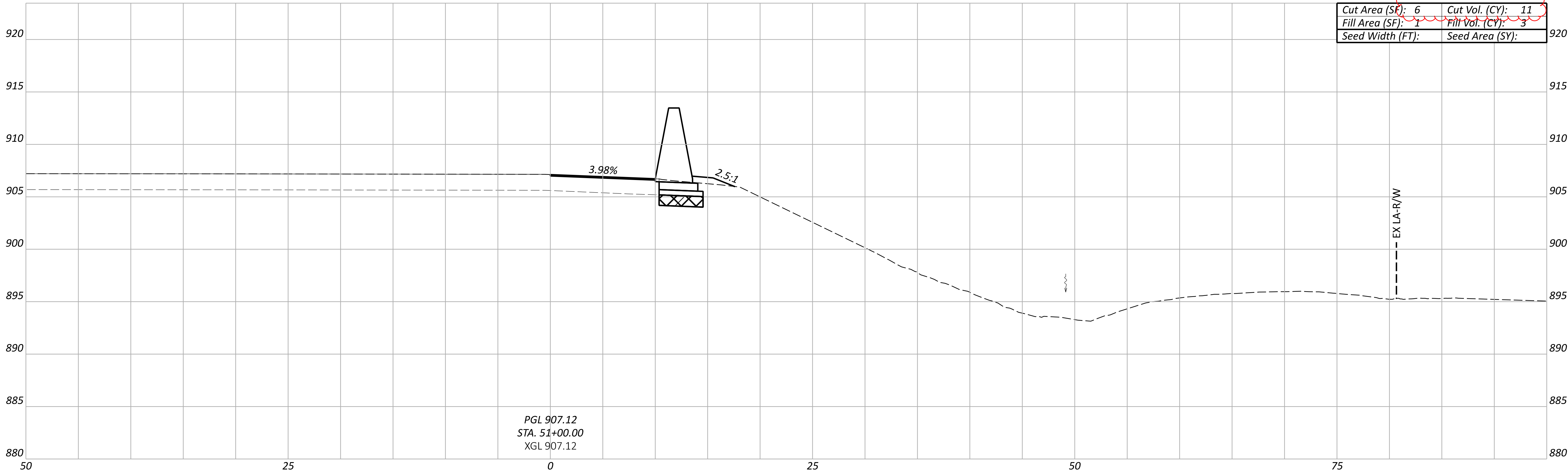
ITEM 204 - EXCAVATION OF SUBGRADE (12")
ITEM 204 - GEOTEXTILE FABRIC
ITEM 304 - GRANULAR MATERIAL, TYPE B

NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals			105435	
Seeding	Cut	Fill	SHEET	TOTAL
21	21	6	P.461	791

CROSS SECTIONS - RAMP Q
STA. 49+50.00 TO STA. 50+00.00

DESIGN AGENCY
TRANSYSTEMS 1100 SUPERIOR AVE. E. STE 1000 CLEVELAND, OHIO 44114
DESIGNER
RJG
REVIEWER
MSW 09/06/24
PROJECT ID
105435
SHEET
P.461
TOTAL
791



NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals		
Seeding	Cut	Fill
22	22	7

DESIGN AGENCY
TRANSYSYSTEMS
1100 SUPERIOR AVE. E. STE 1000
CLEVELAND, OHIO 44114

DESIGNER
RJG

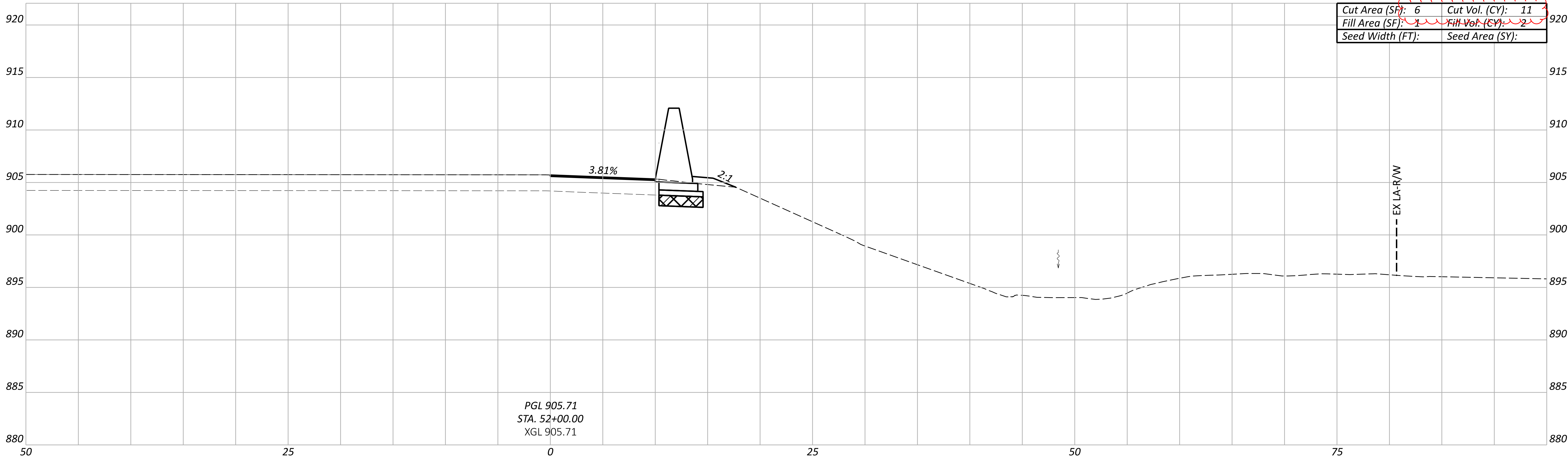
REVIEWER
MSW 09/06/24

PROJECT ID
105435

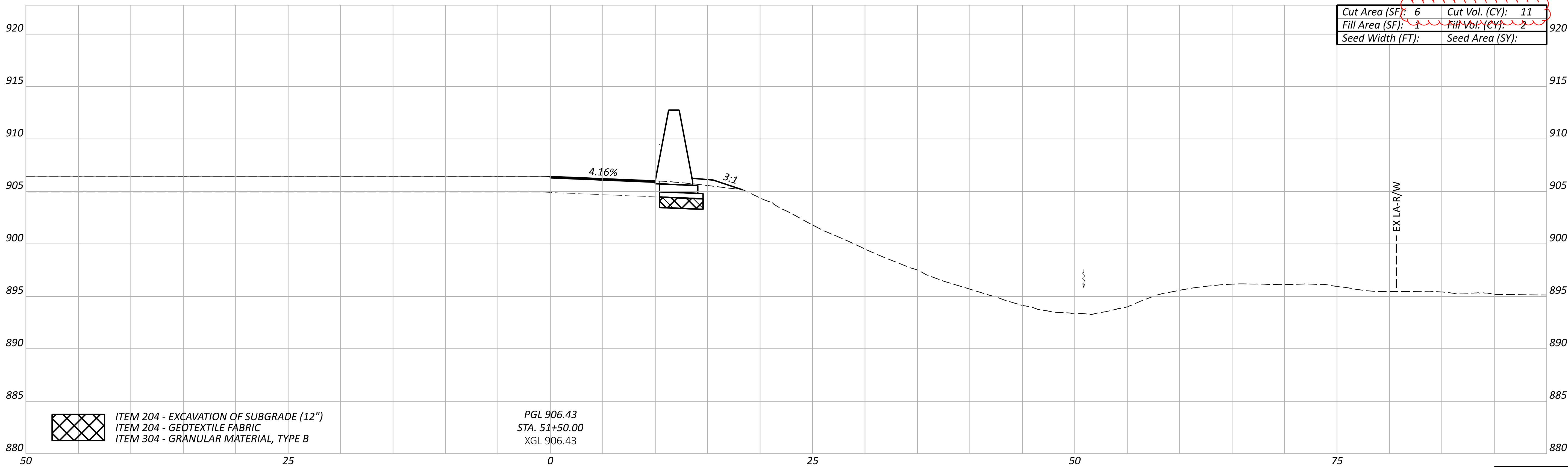
SHEET
P.462

TOTAL
791

CROSS SECTIONS - RAMP Q
STA. 50+50.00 TO STA. 51+00.00



Cut Area (SF):	6	Cut Vol. (CY):	11
Fill Area (SF):	1	Fill Vol. (CY):	2
Seed Width (FT):		Seed Area (SY):	



Cut Area (SF):	6	Cut Vol. (CY):	11
Fill Area (SF):	1	Fill Vol. (CY):	2
Seed Width (FT):		Seed Area (SY):	

ITEM 204 - EXCAVATION OF SUBGRADE (12")
ITEM 204 - GEOTEXTILE FABRIC
ITEM 304 - GRANULAR MATERIAL, TYPE B

PGL 906.43
STA. 51+50.00
XGL 906.43

NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals	
Seeding	Cut
21	4

CROSS SECTIONS - RAMP Q
STA. 51+50.00 TO STA. 52+00.00

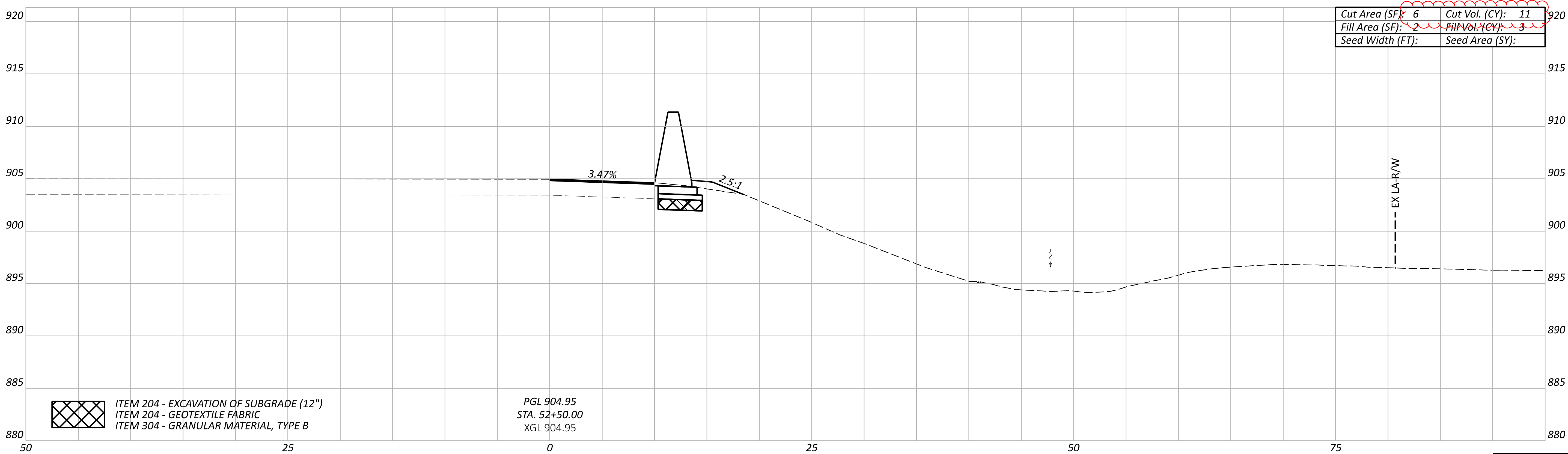
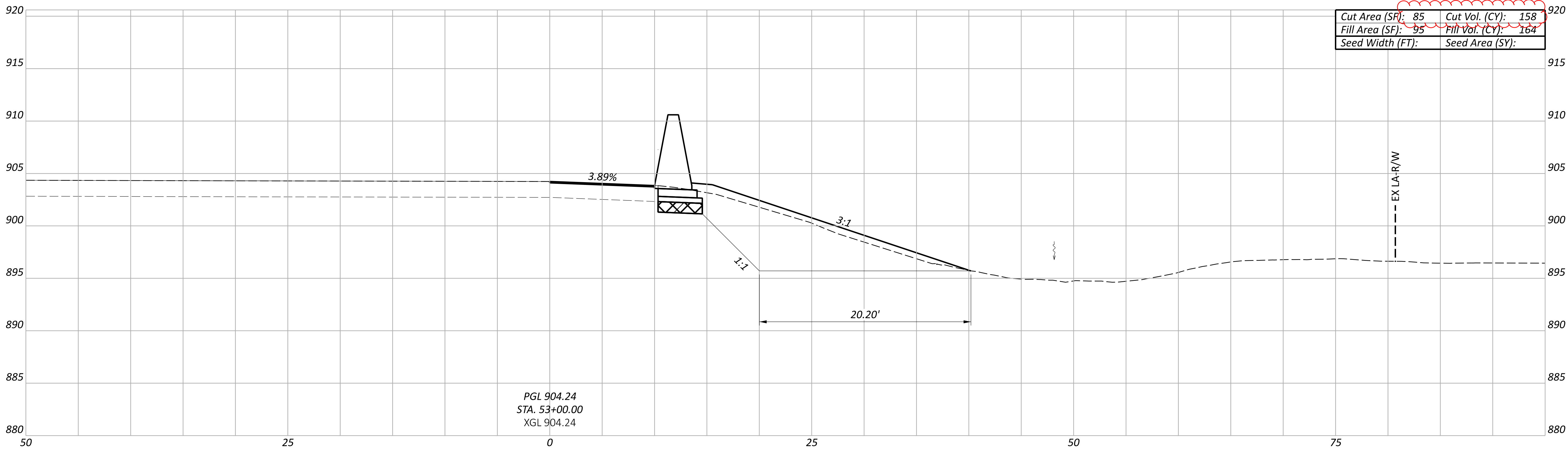
DESIGN AGENCY
TRANSYSTEMS
1100 SUPERIOR AVE. E. STE 1000
CLEVELAND, OHIO 44114

DESIGNER
RJG

REVIEWER
MSW 09/06/24

PROJECT ID
105435

SHEET	TOTAL
P.463	791



NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals		
Seeding	Cut	Fill
169	167	

CROSS SECTIONS - RAMP Q
STA. 52+50.00 TO STA. 53+00.00

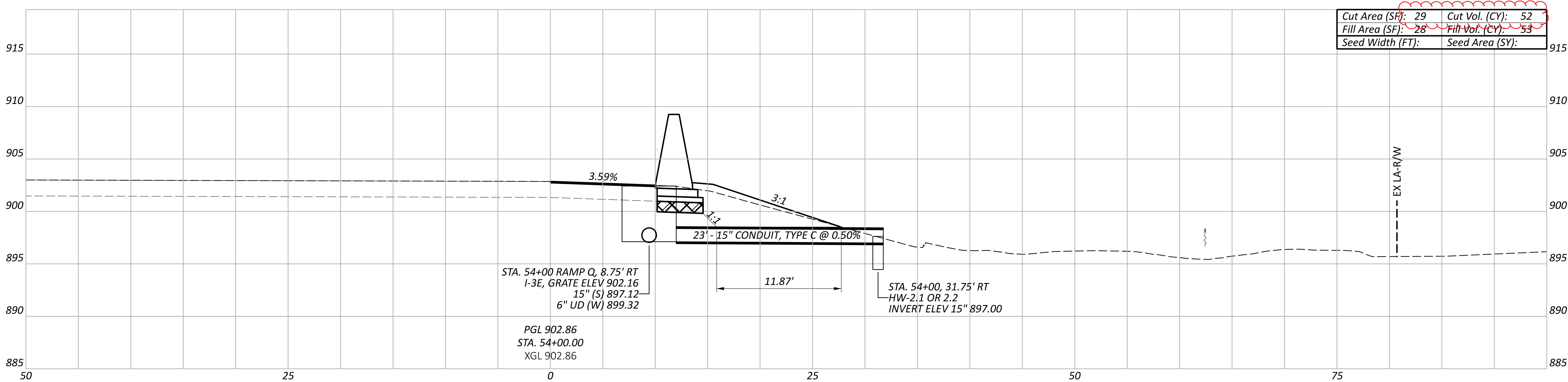
DESIGN AGENCY
TRANSYSTEMS
1100 SUPERIOR AVE. E. STE 1000
CLEVELAND, OHIO 44114

DESIGNER
RJG

REVIEWER
MSW 09/06/24

PROJECT ID
105435

SHEET	TOTAL
P.464	791



NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals			105435	
Seeding	Cut	Fill	SHEET	TOTAL
113	123	P.465		791

CROSS SECTIONS - RAMP Q
STA. 53+50.00 TO STA. 54+00.00

DESIGN AGENCY

TRANSYSTEMS
1100 SUPERIOR AVE. E. STE 1000
CLEVELAND, OHIO 44114

DESIGNER

RJG

REVIEWER

MSW 09/06/24

PROJECT ID

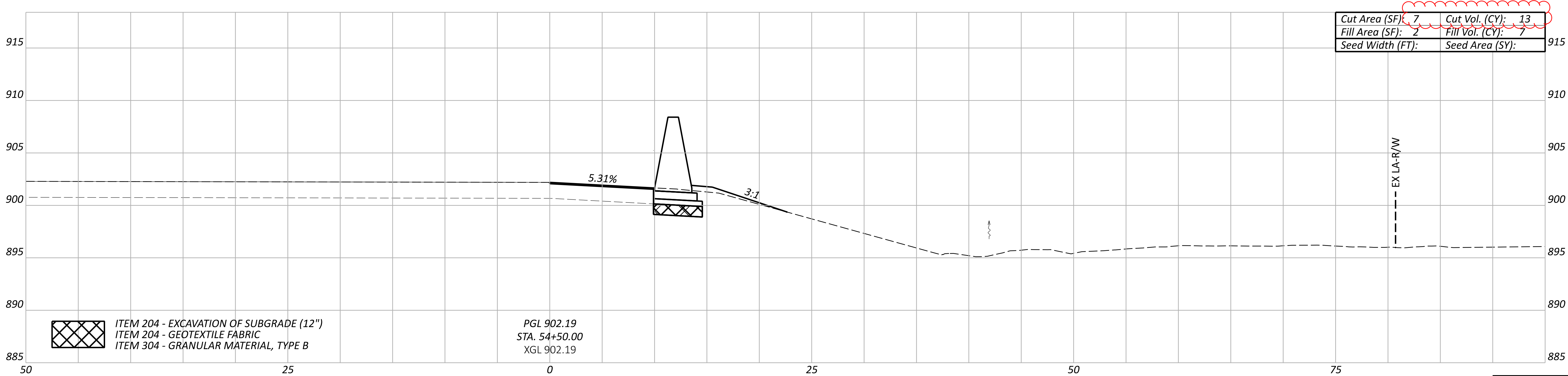
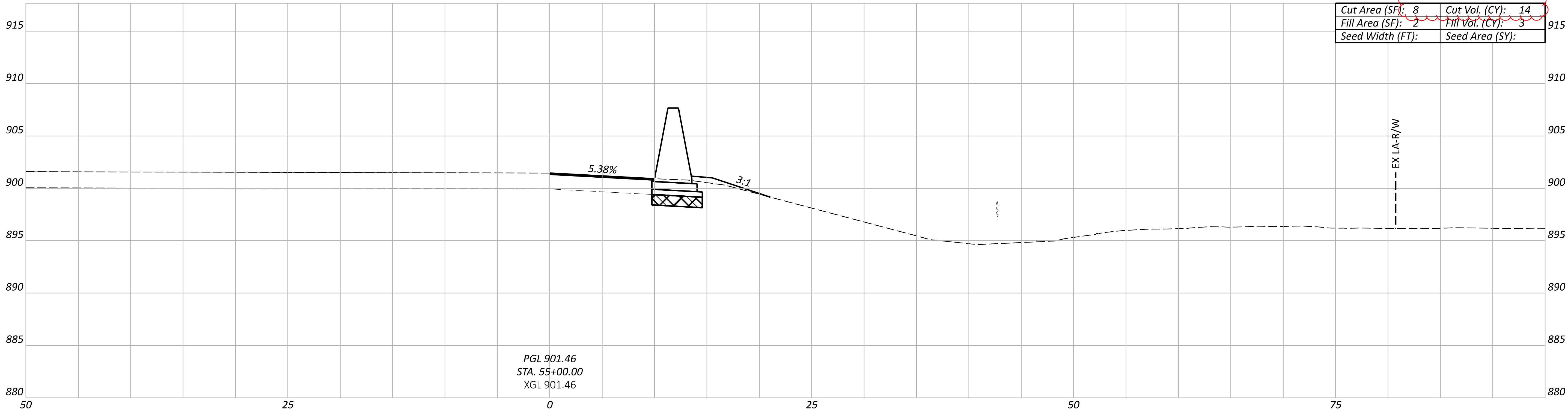
105435

SHEET

P.465

TOTAL

791

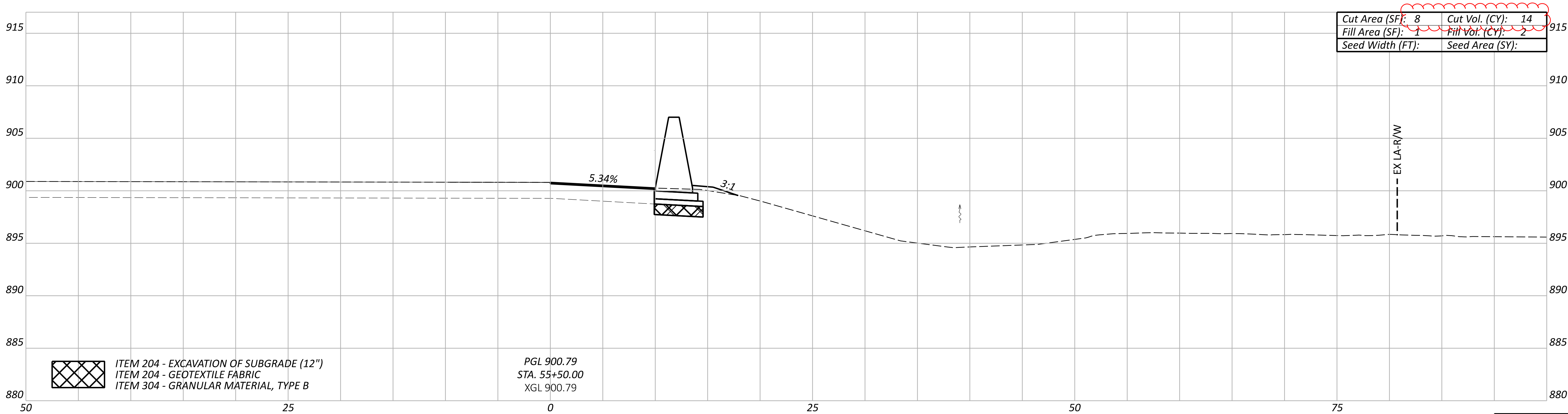
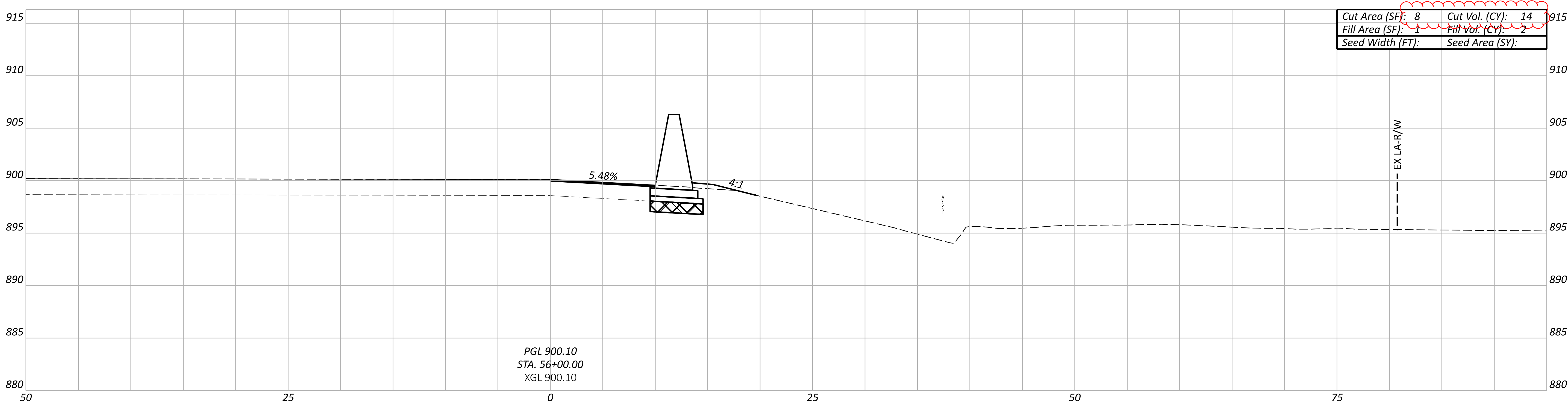


NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals			105435	
Seeding	Cut	Fill	SHEET	TOTAL
26	10	P.466	791	

CROSS SECTIONS - RAMP Q
STA. 54+50.00 TO STA. 55+00.00

DESIGN AGENCY
TRANSYSTEMS 1100 SUPERIOR AVE. E. STE 1000 CLEVELAND, OHIO 44114
DESIGNER
RJG
REVIEWER
MSW 09/06/24
PROJECT ID
105435
SHEET
P.466
TOTAL
791



ITEM 204 - EXCAVATION OF SUBGRADE (12")
ITEM 204 - GEOTEXTILE FABRIC
ITEM 304 - GRANULAR MATERIAL, TYPE B

NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals		
Seeding	Cut	Fill
28	3	4

DESIGN AGENCY

TRANSYSTEMS
1100 SUPERIOR AVE. E. STE 1000
CLEVELAND, OHIO 44114

DESIGNER

RJG

REVIEWER

MSW 09/06/24

PROJECT ID

105435

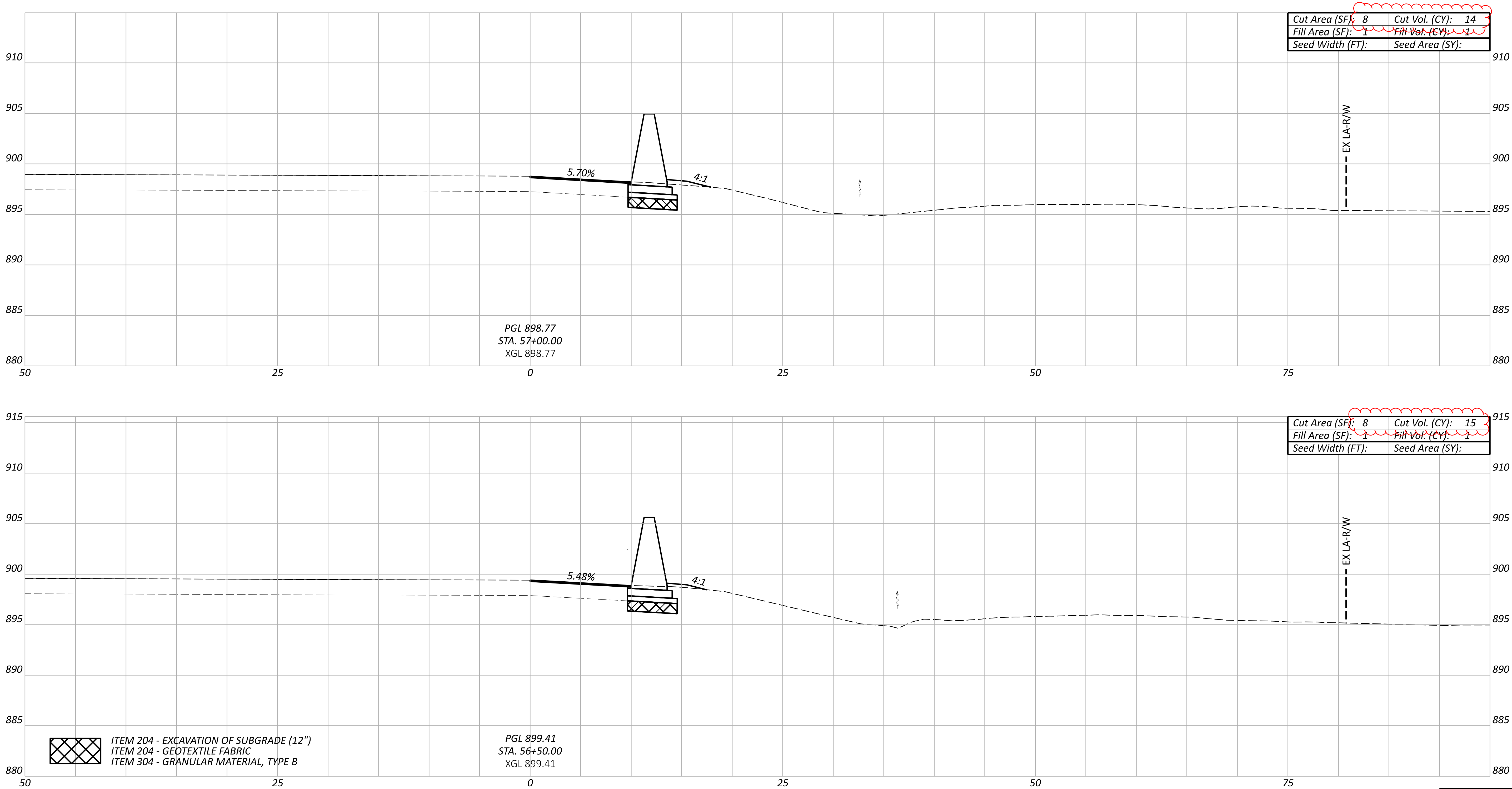
SHEET

P.467

TOTAL

791

CROSS SECTIONS - RAMP Q
STA. 55+50.00 TO STA. 56+00.00



NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals				105435	
Seeding	Cut	Fill		SHEET	TOTAL
29	2	2		P.468	791

CROSS SECTIONS - RAMP Q
STA. 56+50.00 TO STA. 57+00.00

DESIGN AGENCY

TRANSYSTEMS
1100 SUPERIOR AVE. E. STE 1000
CLEVELAND, OHIO 44114

DESIGNER

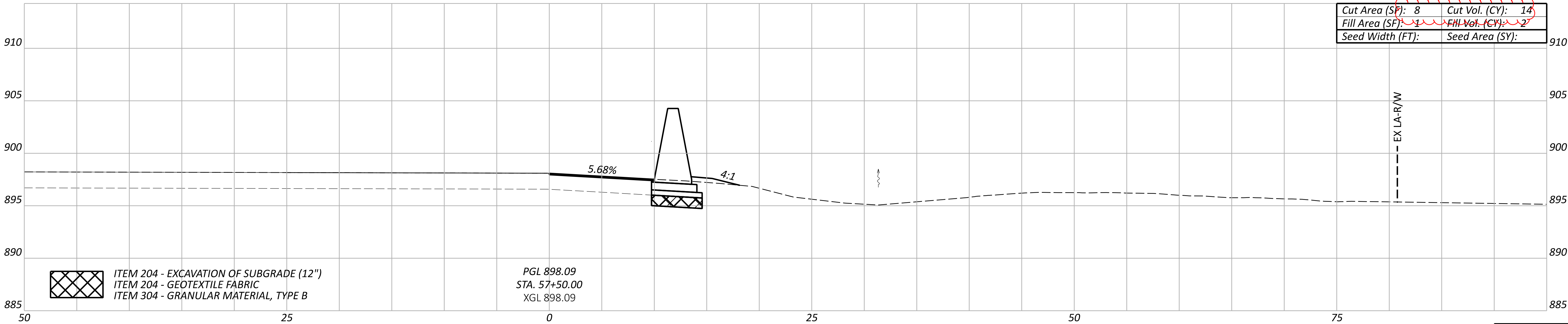
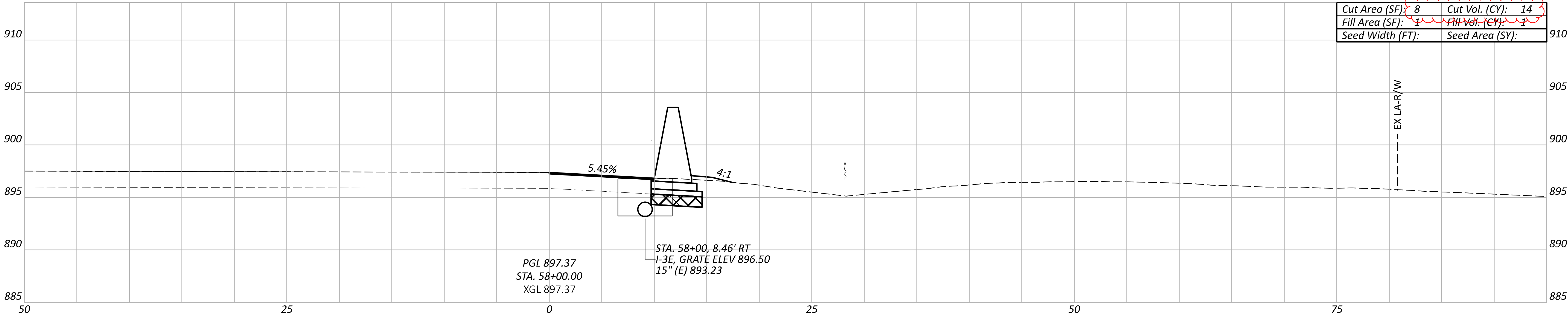
RJG

REVIEWER

MSW 09/06/24

PROJECT ID

105435



ITEM 204 - EXCAVATION OF SUBGRADE (12")
ITEM 204 - GEOTEXTILE FABRIC
ITEM 304 - GRANULAR MATERIAL, TYPE B

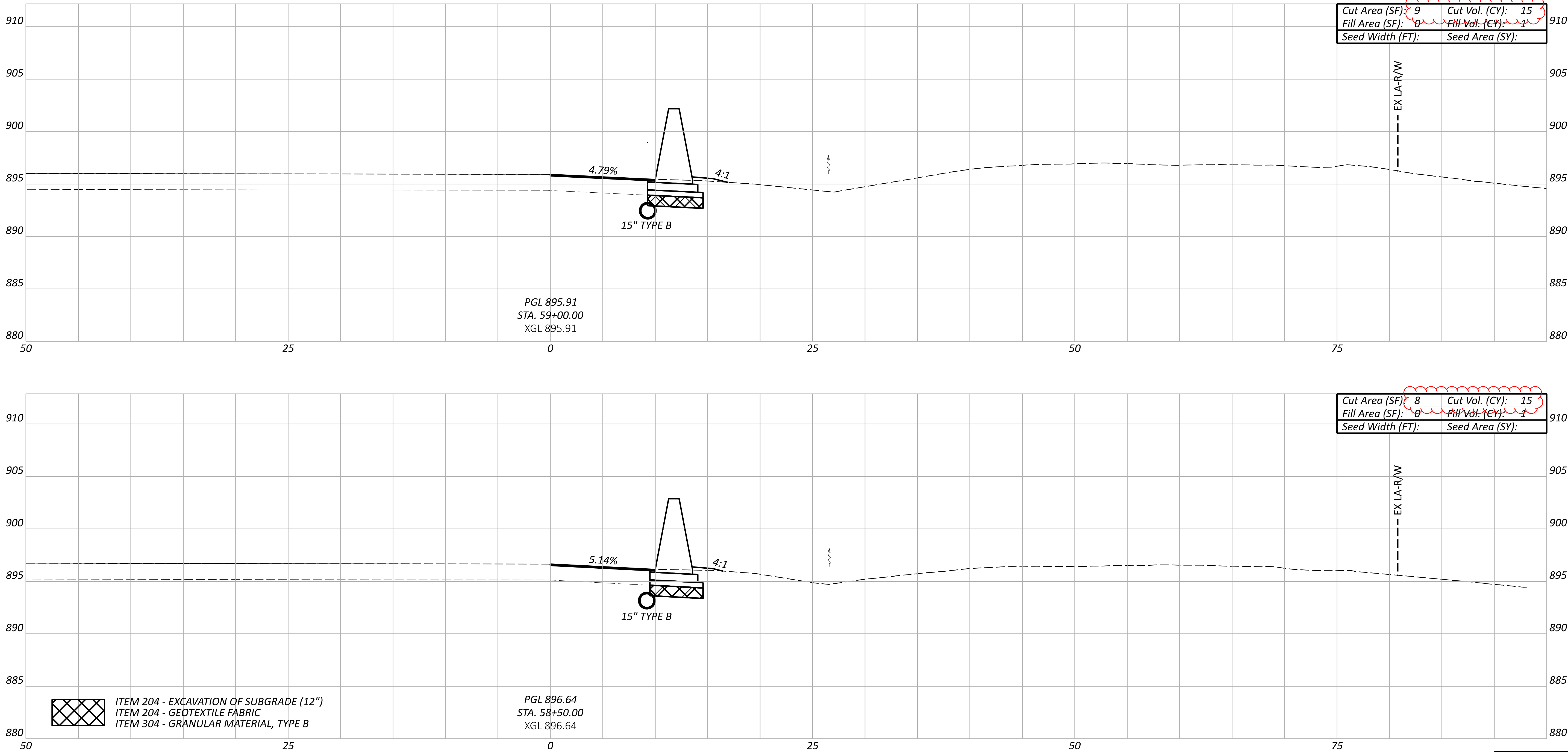
PGL 898.09
STA. 57+50.00
XGL 898.09

NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals		
Seeding	Cut	Fill
28	3	

DESIGN AGENCY	
TRANSYSTEMS	
1100 SUPERIOR AVE. E. STE 1000	
CLEVELAND, OHIO 44114	
DESIGNER	
RJG	
REVIEWER	
MSW 09/06/24	
PROJECT ID	
105435	
SHEET	TOTAL
P.469	791

CROSS SECTIONS - RAMP Q
STA. 57+50.00 TO STA. 58+00.00



NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Sheet Totals			PROJECT ID	
Seeding	Cut	Fill	105435	TOTAL
30	2	2		

SHEET	TOTAL
P.470	791

CROSS SECTIONS - RAMP Q
STA. 58+50.00 TO STA. 59+00.00

DESIGN AGENCY

TRANSYSTEMS
1100 SUPERIOR AVE. E. STE 1000
CLEVELAND, OHIO 44114

DESIGNER

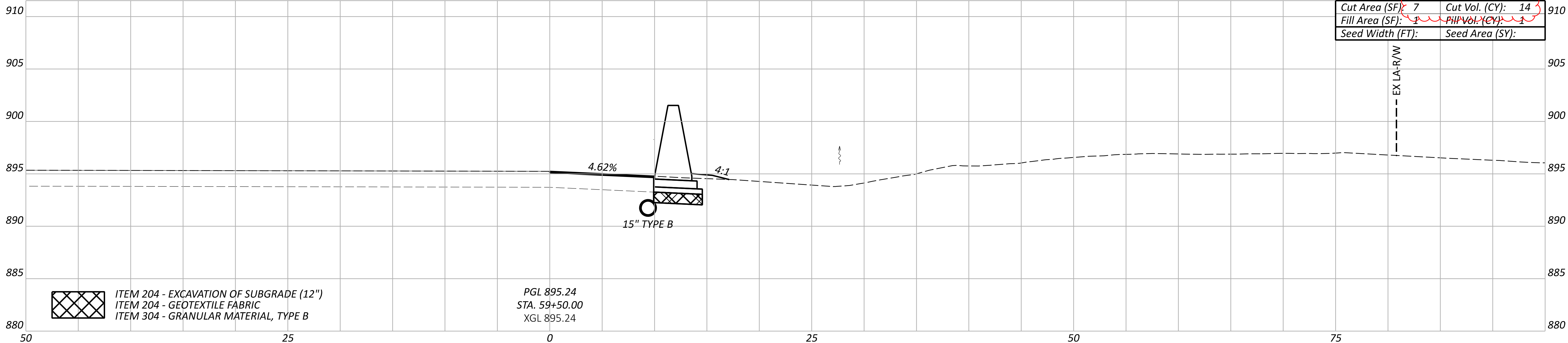
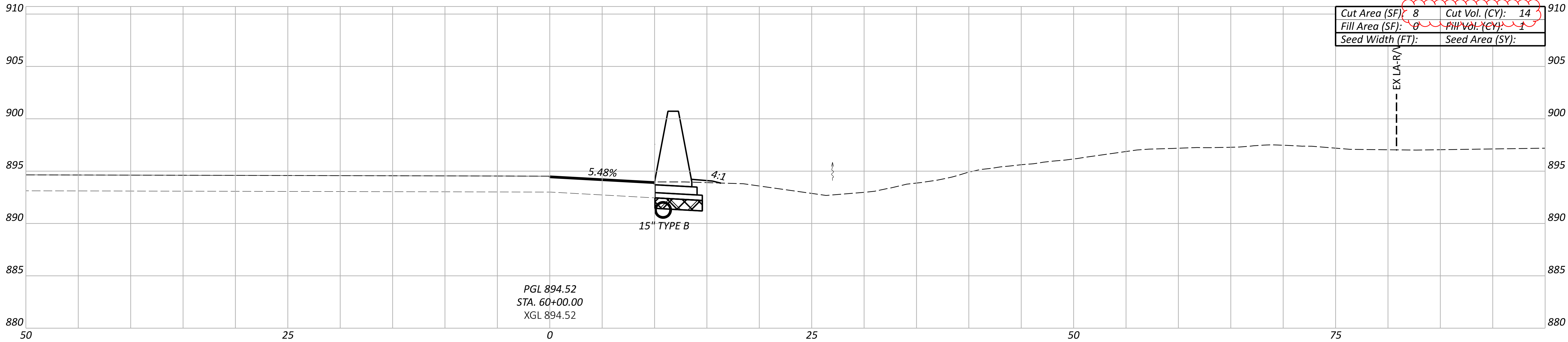
RJG

REVIEWER

MSW 09/06/24

PROJECT ID

105435



ITEM 204 - EXCAVATION OF SUBGRADE (12")
ITEM 204 - GEOTEXTILE FABRIC
ITEM 304 - GRANULAR MATERIAL, TYPE B

PGL 895.24
STA. 59+50.00
XGL 895.24

NOTE: ALL SEEDING QUANTITIES HAVE BEEN GENERATED USING PLAN VIEW
AREAS BASED ON THE 3-D MODEL. FOR QUANTITIES, SEE SHEET P.021

Ramp Q Totals			Sheet Totals		
Cut	Fill	Seeding	Cut	Fill	
8256	9205		27	2	

PROJECT ID		105435
SHEET	TOTAL	
P.471	791	

CROSS SECTIONS - RAMP Q
STA. 59+50.00 TO STA. 60+00.00

DESIGN AGENCY

TRANSYSTEMS
1100 SUPERIOR AVE. E. STE 1000
CLEVELAND, OHIO 44114

DESIGNER

RJG

REVIEWER

MSW 09/06/24

PROJECT ID

105435

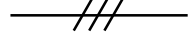
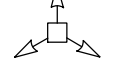
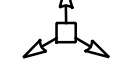
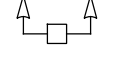
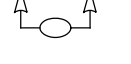
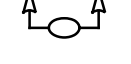
SHEET

P.471

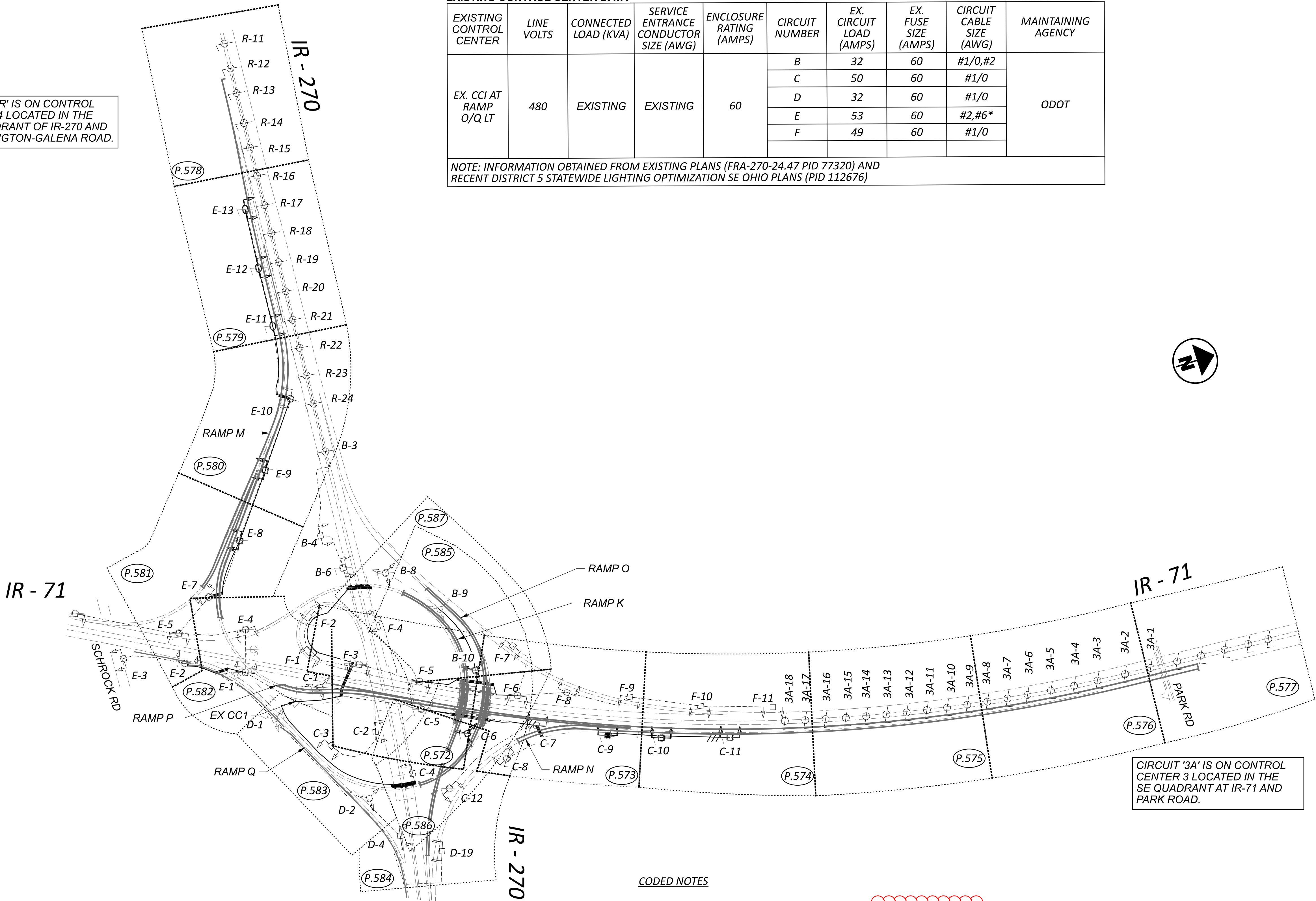
TOTAL

791

LIGHTING PLAN SHEET LEGEND

EXISTING	PROPOSED	
C-X 		LIGHT POLE
		PULL BOX
-E- 		ELECTRIC CIRCUIT
		SYMMETRICAL HIGH MAST TOWER
		ASYMMETRICAL HIGH MAST TOWER
		ASYMMETRICAL LOW MAST POLE
		CONTROL CENTER
		UNDERPASS LUMINAIRE
TBRR		TO BE REMOVED AND RELOCATED

CIRCUIT 'R' IS ON CONTROL CENTER 4 LOCATED IN THE SW QUADRANT OF IR-270 AND WORTHINGTON-GALENA ROAD.



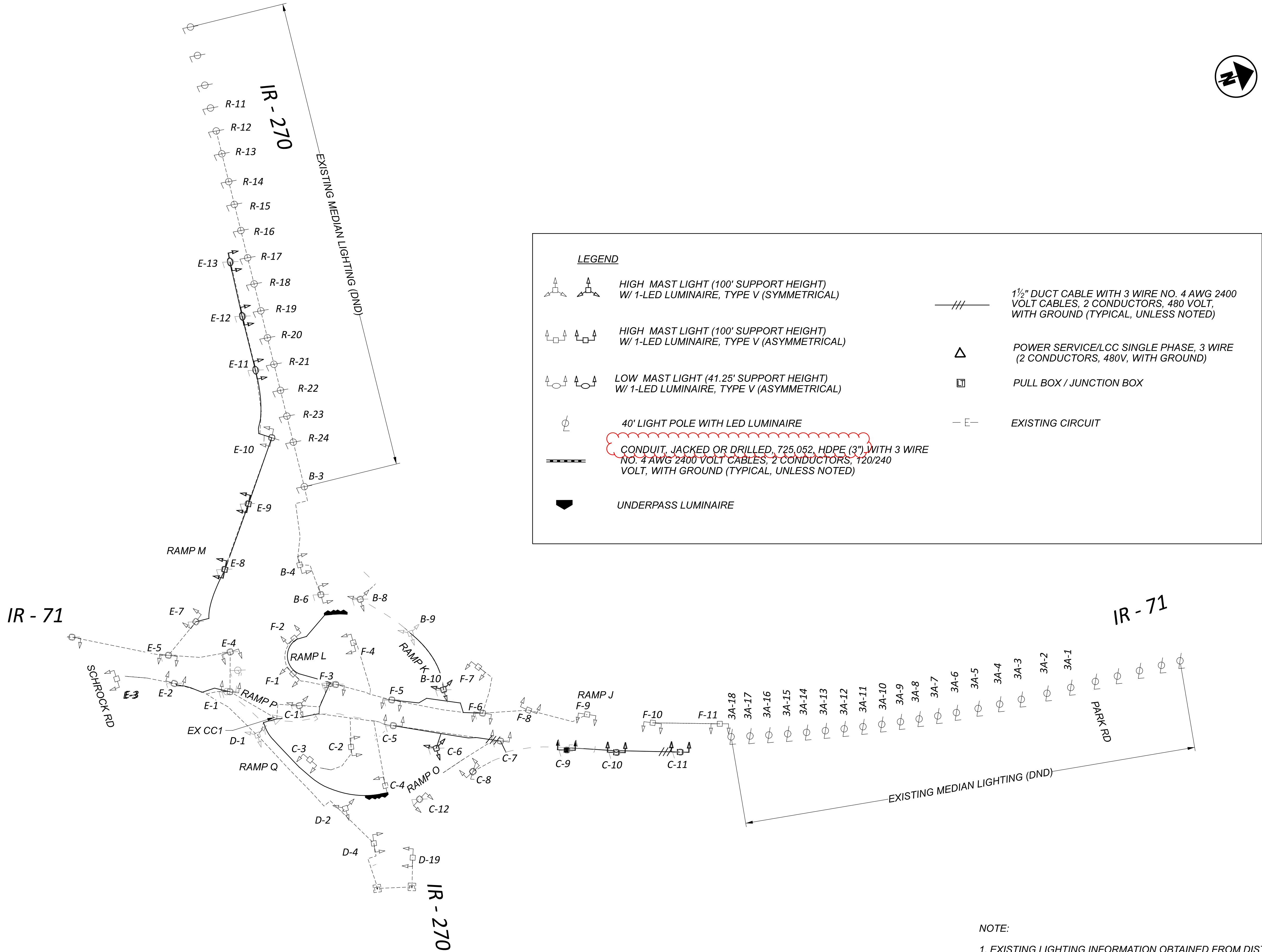
CIRCUIT '3A' IS ON CONTROL CENTER 3 LOCATED IN THE SE QUADRANT AT IR-71 AND PARK ROAD.

EXISTING CONTROL CENTER DATA

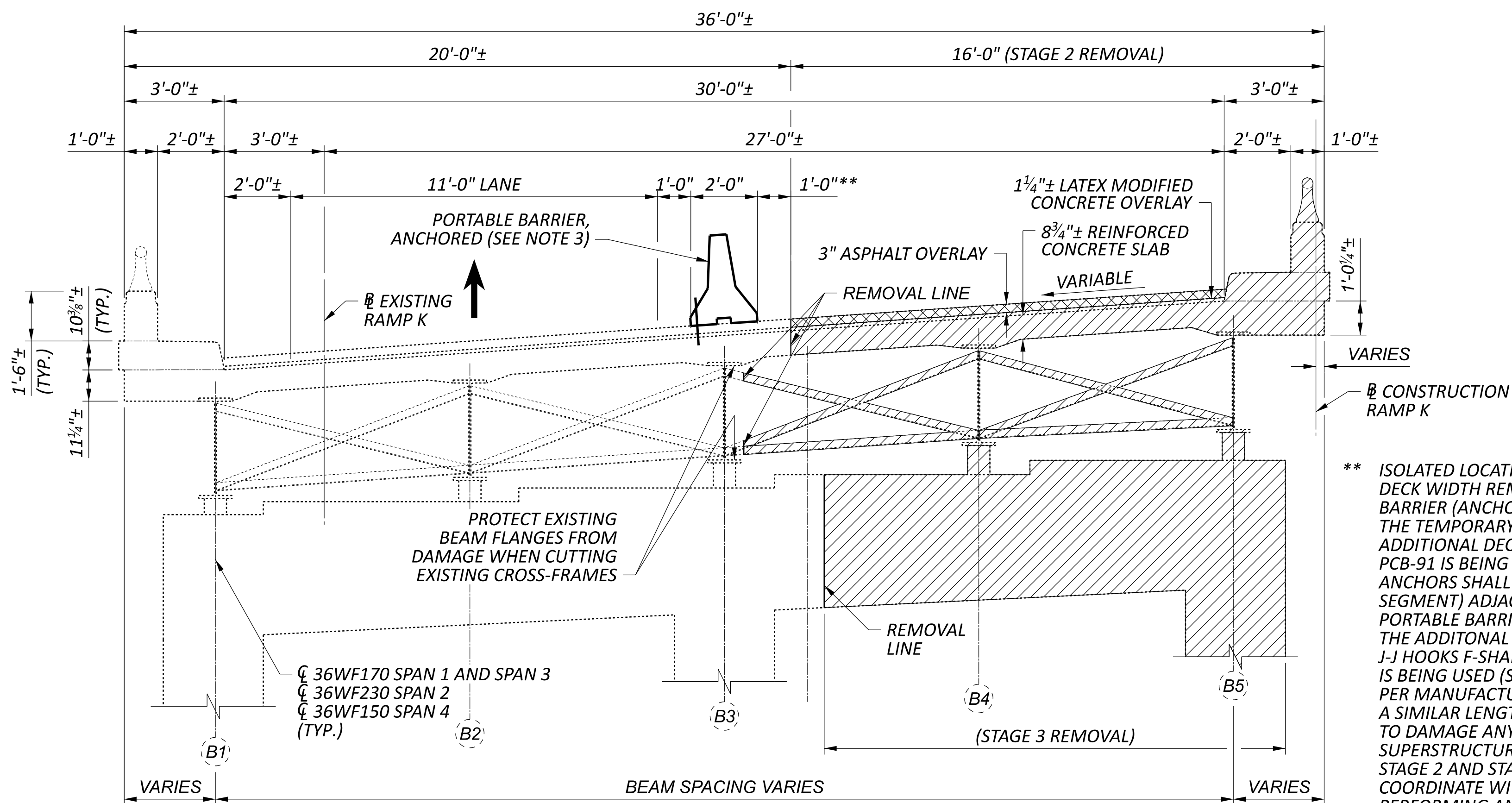
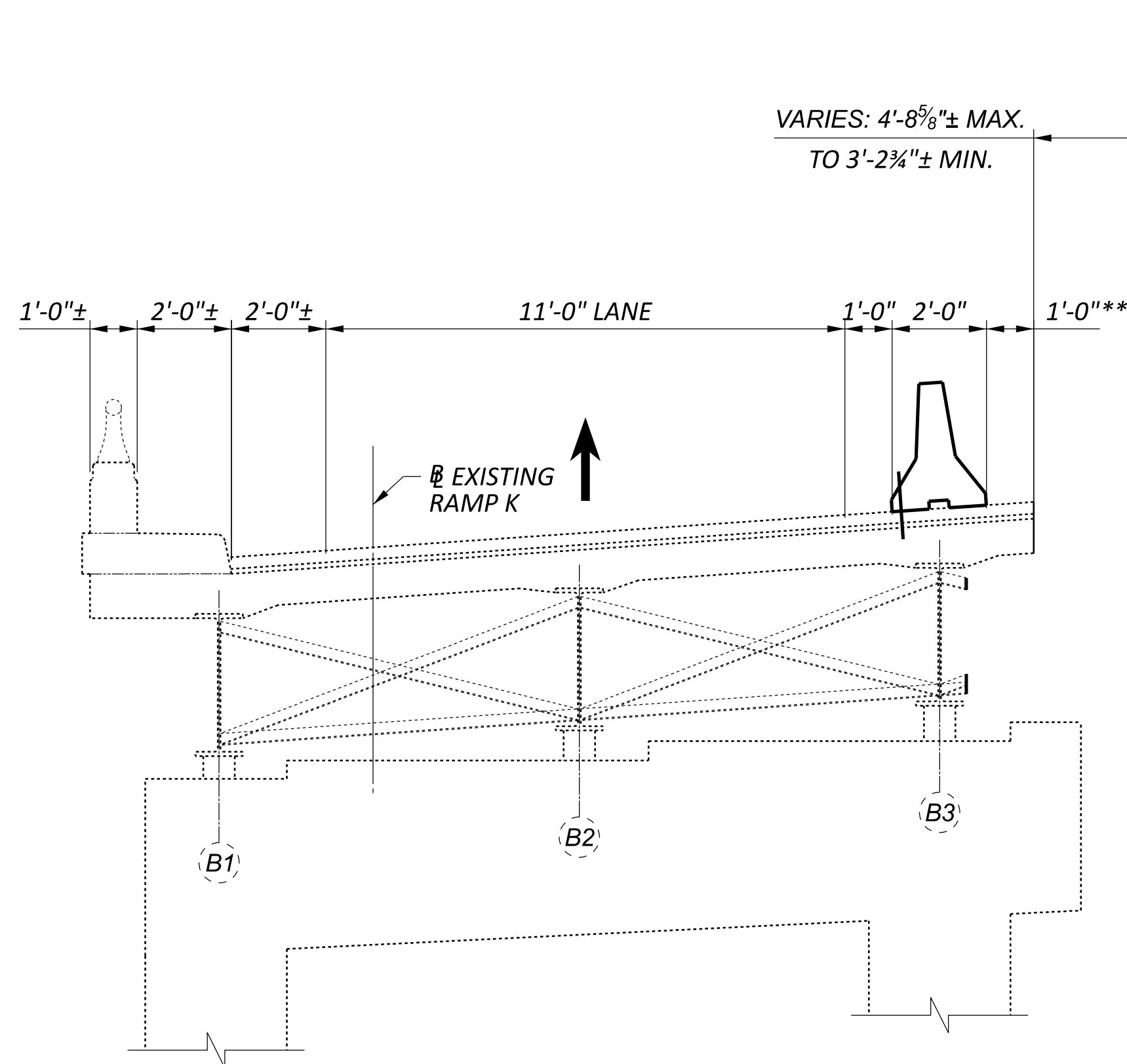
EXISTING CONTROL CENTER	LINE VOLTS	CONNECTED LOAD (KVA)	SERVICE ENTRANCE CONDUCTOR SIZE (AWG)	ENCLOSURE RATING (AMPS)	CIRCUIT NUMBER	EX. CIRCUIT LOAD (AMPS)	EX. FUSE SIZE (AMPS)	CIRCUIT CABLE SIZE (AWG)	MAINTAINING AGENCY
EX. CCI AT RAMP O/Q LT	480	EXISTING	EXISTING	60	B	32	60	#1/0,#2	ODOT
					C	50	60	#1/0	
					D	32	60	#1/0	
					E	53	60	#2,#6*	
					F	49	60	#1/0	
NOTE: INFORMATION OBTAINED FROM EXISTING PLANS (FRA-270-24.47 PID 77320) AND RECENT DISTRICT 5 STATEWIDE LIGHTING OPTIMIZATION SE OHIO PLANS (PID 112676)									

CODED NOTES

- ITEM 625, CONDUIT, JACKED OR DRILLED, 725.052, HDPE (3")
- ITEM 625, 1-1/2" DUCT CABLE WITH THREE NO. 4 AWG 2400 VOLT DISTRIBUTION CABLE
- ITEM 625, REMOVE EXISTING DISTRIBUTION CABLES



NOTE:
1. EXISTING LIGHTING INFORMATION OBTAINED FROM DISTRICT 5
STATEWIDE LIGHTING OPTIMIZATION SE OHIO PLANS (PID 112676).

**STAGE 2 AND STAGE 3 BRIDGE REMOVAL****STAGE 3 BRIDGE CONSTRUCTION**
(PROPOSED PIER NOT SHOWN)**LEGEND:**

- INDICATES REMOVAL PER ITEM 202 - PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN
- INDICATES REMOVAL PER ITEM 202 - WEARING COURSE REMOVED

SUGGESTED BRIDGE SEQUENCE OF CONSTRUCTION:**STAGE 2**

1. PLACE STAGE 2 PORTABLE BARRIER (ANCHORED) AND SHIFT TRAFFIC TO TEMPORARY LANE AS SHOWN IN MOT PLANS.
2. REMOVE STAGE 2 OF THE EXISTING SUPERSTRUCTURE.
3. INSTALL TEMPORARY SHEETING AND TEMPORARY SOLDIER PILE WALLS AT ALL SUBSTRUCTURE LOCATIONS SHOWN IN THE PLANS.
4. EXCAVATE AND REMOVE STAGE 2 PORTIONS OF THE REAR AND FORWARD ABUTMENT.
5. CONSTRUCT STAGE 2 OF THE REAR AND FORWARD ABUTMENT MSE WALLS, INCLUDING TEMPORARY WIRE FACED WALLS. CONSTRUCT STAGE 2 OF THE REAR AND FORWARD ABUTMENTS.

STAGE 3

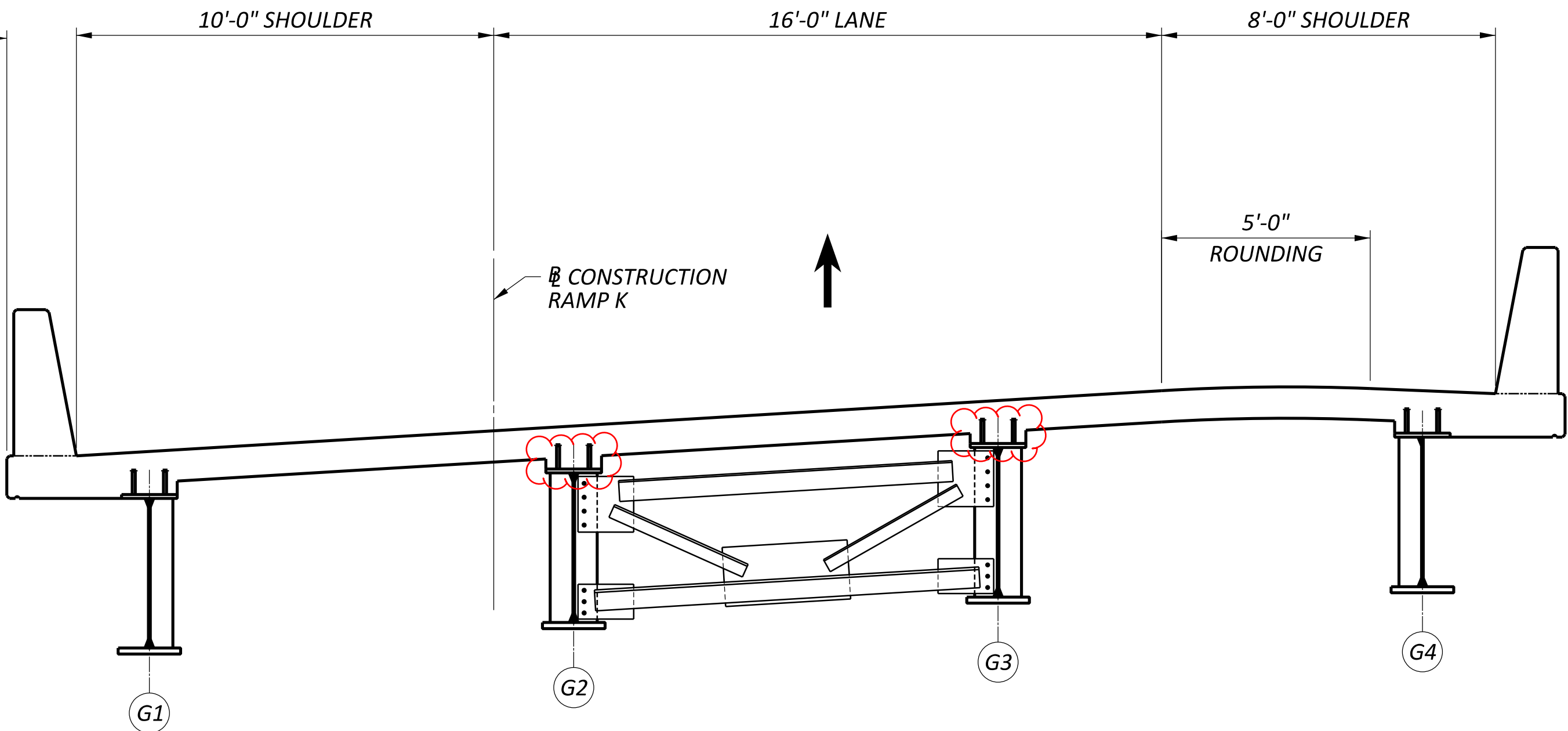
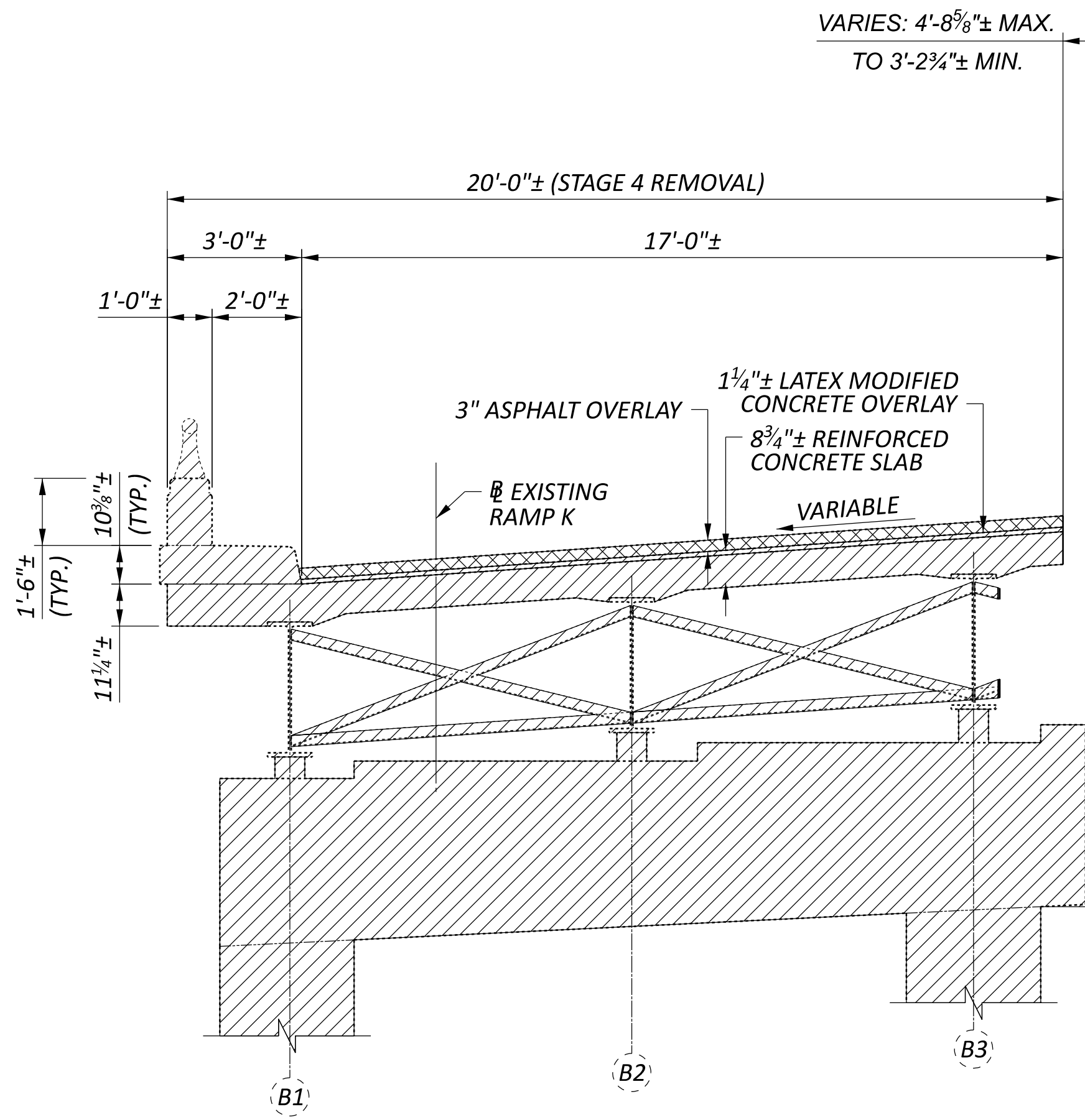
1. REMOVE STAGE 3 OF THE EXISTING PIERS.
2. CONSTRUCT PIER IN ITS ENTIRETY.
3. CONSTRUCT THE SUPERSTRUCTURE AND APPROACH SLABS IN THEIR ENTIRETY.
4. SAFELY REMOVE ANY PORTIONS OF THE TEMPORARY SHORING WHEN NO LONGER REQUIRED TO EXCAVATE, REMOVE, OR CONSTRUCT STAGE 3 OPERATIONS.

STAGE 4

1. SHIFT TRAFFIC TO STRUCTURE COMPLETED IN STAGE 2 AND STAGE 3.
2. REMOVE STAGE 2 PORTABLE BARRIER (ANCHORED).
3. REMOVE STAGE 4 OF THE EXISTING SUPERSTRUCTURE.
4. EXCAVATE AND REMOVE STAGE 4 OF THE EXISTING REAR AND FORWARD ABUTMENTS. REMOVE STAGE 4 OF THE EXISTING PIERS.
5. CONSTRUCT STAGE 4 OF THE REAR AND FORWARD ABUTMENT MSE WALLS. CONSTRUCT STAGE 4 OF THE REAR AND FORWARD ABUTMENTS. REMOVE STAGE 4 OF THE EXISTING PIERS.
6. SAFELY REMOVE ANY PORTIONS OF THE TEMPORARY SHORING WHEN NO LONGER REQUIRED TO EXCAVATE, REMOVE, OR CONSTRUCT STAGE 4 OPERATIONS.

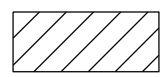
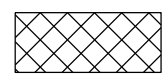
NOTES:

1. FOR STAGE 4 CONSTRUCTION DETAILS, SEE SHEET 8 OF 48
2. FOR BRIDGE REMOVAL DETAILS, SEE SHEET 9 OF 48.
3. INSTALL 2 ANCHORS PER SEGMENT IN ACCORDANCE WITH ODOT STANDARD DRAWING PCB-91 ON THE TRAFFIC SIDE OF THE BARRIER. AS AN ALTERNATIVE, CONTRACTOR MAY USE ODOT APPROVED J-J HOOKS F-SHAPE TEMPORARY CONCRETE BARRIER (BOLTED & PINNED) AS MANUFACTURED BY EASI-SET WORLDWIDE. PROVIDE ANCHORAGE AS PER MANUFACTURER'S RECOMMENDATIONS BASED ON LENGTH OF BARRIER SEGMENTS USED. REFER TO ODOT'S ROADWAY APPROVED PRODUCTS LISTS FOR ADDITIONAL DETAILS.
4. SEE MOT PLANS FOR ADDITIONAL DETAILS.



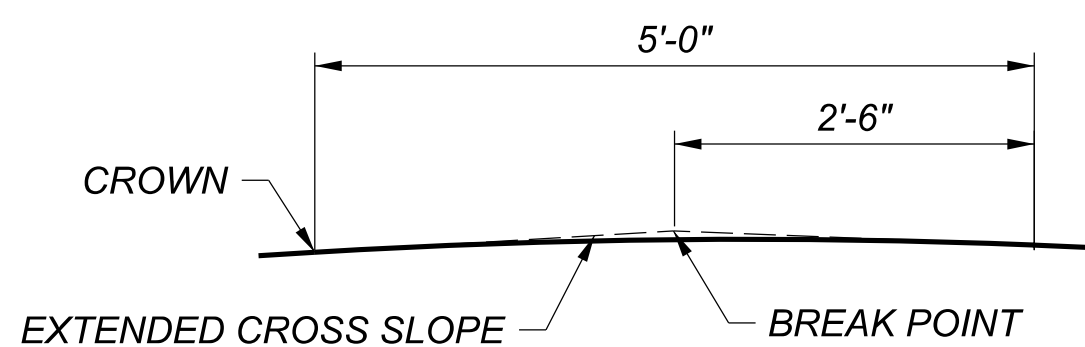
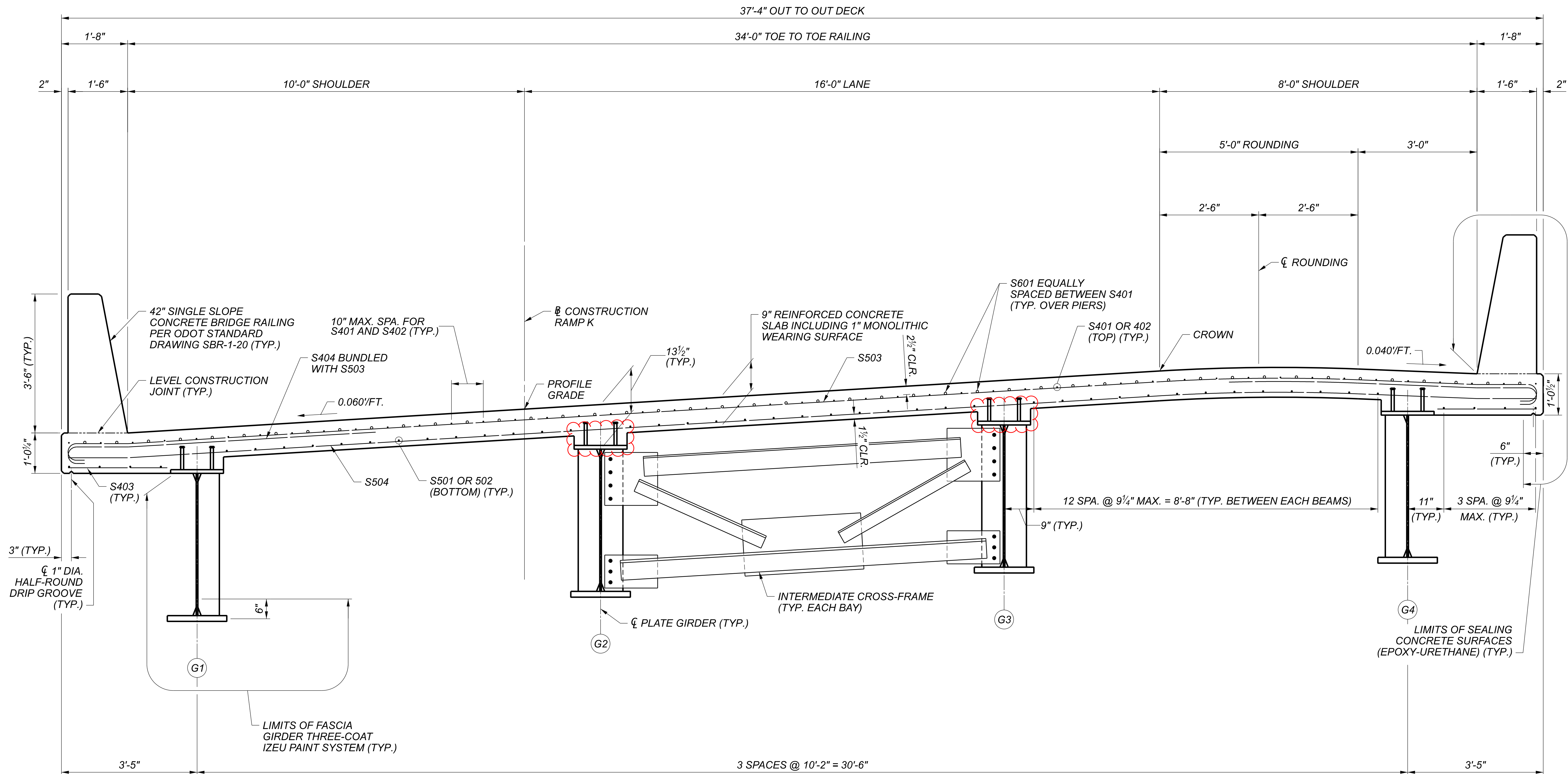
STAGE 4 BRIDGE REMOVAL
(PROPOSED PIER NOT SHOWN)

LEGEND:

- | | |
|---|--|
|  | INDICATES REMOVAL PER ITEM 202 - PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN |
|  | INDICATES REMOVAL PER ITEM 202 - WEARING COURSE REMOVED |

NOTES:

- FOR STAGE 2 AND STAGE 3 CONSTRUCTION DETAILS, SEE SHEET 7 OF 48.
- FOR BRIDGE REMOVAL DETAILS, SEE SHEET 9 OF 48.
- SEE MOT PLANS FOR ADDITIONAL DETAILS.

ROUNDING DETAIL

TRANSVERSE SECTION
(RAILING REINFORCING NOT SHOWN FOR CLARITY)

NOTES:

- FOR FRAMING PLAN AND GIRDER ELEVATION, SEE SHEETS 25 AND 26 OF 48.
- FOR SCREED, TOP OF HAUNCH, AND FINAL DECK ELEVATIONS, SEE SHEETS 37 AND 38 OF 48.
- FOR DECK PLAN, SEE SHEET 32 OF 48.
- FOR RAILING PLAN AND ELEVATION, SEE SHEET 33 AND 34 OF 48.
- FOR CONCRETE REINFORCEMENT BAR LISTS, SEE SHEET 45 THRU 48 OF 48.
- DRIP GROOVES SHALL TERMINATE 2'-0" FROM THE FACE OF THE ABUTMENT END DIAPHRAGMS.
- DECK SLAB CONCRETE QUANTITY: THE ESTIMATED QUANTITY OF DECK SLAB CONCRETE IS BASED ON THE CONSTANT DECK SLAB THICKNESS, AS SHOWN, PLUS THE QUANTITY OF CONCRETE THAT FORMS EACH GIRDER HAUNCH. THE ESTIMATE ASSUMES A CONSTANT HAUNCH THICKNESS OF 4 1/2" INCHES AND A HAUNCH WIDTH EQUAL TO THE TOP FLANGE WIDTH. DEVIATE FROM THIS HAUNCH THICKNESS AS NECESSARY TO PLACE THE DECK SURFACE AT THE FINISHED GRADE.
- THE HAUNCH THICKNESS WAS MEASURED AT THE CENTERLINE OF THE GIRDER, FROM THE SURFACE OF THE DECK TO THE BOTTOM OF THE TOP FLANGE MINUS THE DECK SLAB THICKNESS. THE AREA OF ALL EMBEDDED STEEL PLATES HAS BEEN DEDUCTED FROM THE HAUNCH QUANTITY IN ACCORDANCE WITH 511.23.

TRANSVERSE SECTION
BRIDGE NO. FRA-00071-28.265
IR-71 UNDER RAMP K IR-270 WB TO IR-71 SB

SFN
2511372

DESIGN AGENCY

TRANSYSYSTEMS
1100 SUPERIOR AVE., STE. 1000
CLEVELAND, OHIO 44114

DESIGNER
BTA

CHECKER
EA

REVIEWER

NFF 06/21/24

PROJECT ID

105435

SUBSET TOTAL

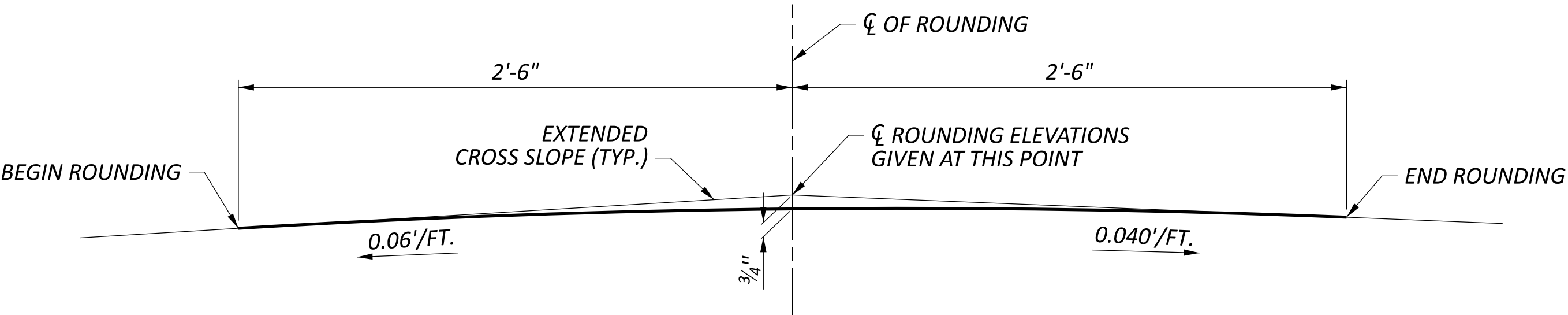
31 48

SHEET TOTAL

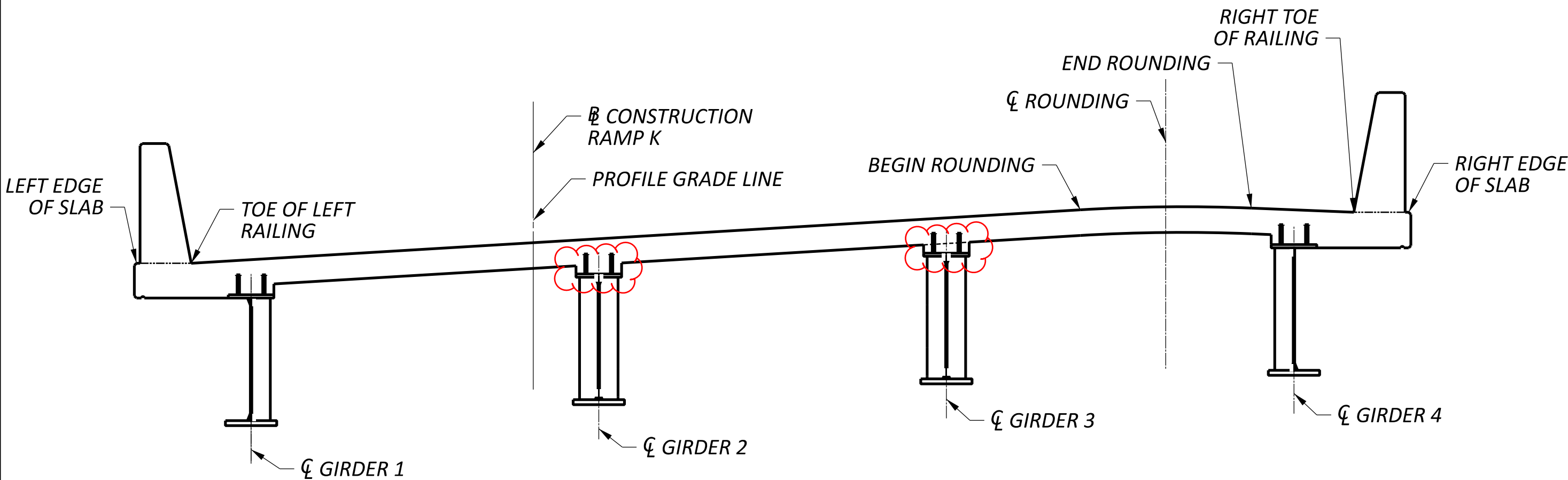
P.629 791

SCREED ELEVATIONS							
		SPAN 1					
		℄ BRG. R.A.	0.25	0.5	FIELD SPLICE 1	0.75	℄ PIER
LEFT EDGE OF SLAB	STATION	25+61.81	25+84.58	26+07.35	26+27.66	26+30.12	26+52.90
	ELEVATION	939.07	938.87	938.56	938.20	938.15	937.71
TOE OF LT RAILING	STATION	25+61.98	25+84.71	26+07.44	26+27.71	26+30.17	26+52.90
	ELEVATION	939.07	938.86	938.56	938.20	938.15	937.71
PGL	STATION	25+63.00	25+85.47	26+07.95	26+28.00	26+30.42	26+52.90
	ELEVATION	939.65	939.46	939.15	938.80	938.75	938.31
BEGIN ROUNDING	STATION	25+64.58	25+86.66	26+08.74	26+28.44	26+30.82	26+52.90
	ELEVATION	940.60	940.40	940.10	939.75	939.70	939.27
℄ OF ROUNDING	STATION	25+64.82	25+86.84	26+08.86	26+28.51	26+30.88	26+52.90
	ELEVATION	940.74	940.55	940.25	939.90	939.85	939.42
END ROUNDING	STATION	25+65.06	25+87.02	26+08.98	26+28.57	26+30.94	26+52.90
	ELEVATION	940.64	940.45	940.15	939.80	939.75	939.32
TOE OF RT RAILING	STATION	25+65.35	25+87.24	26+09.12	26+28.65	26+31.01	26+52.90
	ELEVATION	940.52	940.33	940.03	939.68	939.63	939.20
RIGHT EDGE OF SLAB	STATION	25+65.51	25+87.35	26+09.20	26+28.70	26+31.05	26+52.90
	ELEVATION	940.52	940.33	940.03	939.68	939.63	939.20

TOP OF HAUNCH ELEVATIONS							
		SPAN 1					
		℄ BRG. R.A.	0.25	0.5	FIELD SPLICE 1	0.75	℄ PIER
GIRDER 1	STATION	25+62.16	25+84.84	26+07.53	26+27.76	26+30.21	26+52.90
	ELEVATION	938.42	938.22	937.91	937.55	937.51	937.06
GIRDER 2	STATION	25+63.19	25+85.62	26+08.04	26+28.05	26+30.47	26+52.90
	ELEVATION	939.02	938.82	938.52	938.16	938.11	937.67
GIRDER 3	STATION	25+64.20	25+86.37	26+08.55	26+28.33	26+30.72	26+52.90
	ELEVATION	939.62	939.42	939.12	938.77	938.72	938.28
GIRDER 4	STATION	25+65.18	25+87.11	26+09.04	26+28.61	26+30.97	26+52.90
	ELEVATION	939.84	939.65	939.35	939.00	938.95	938.52



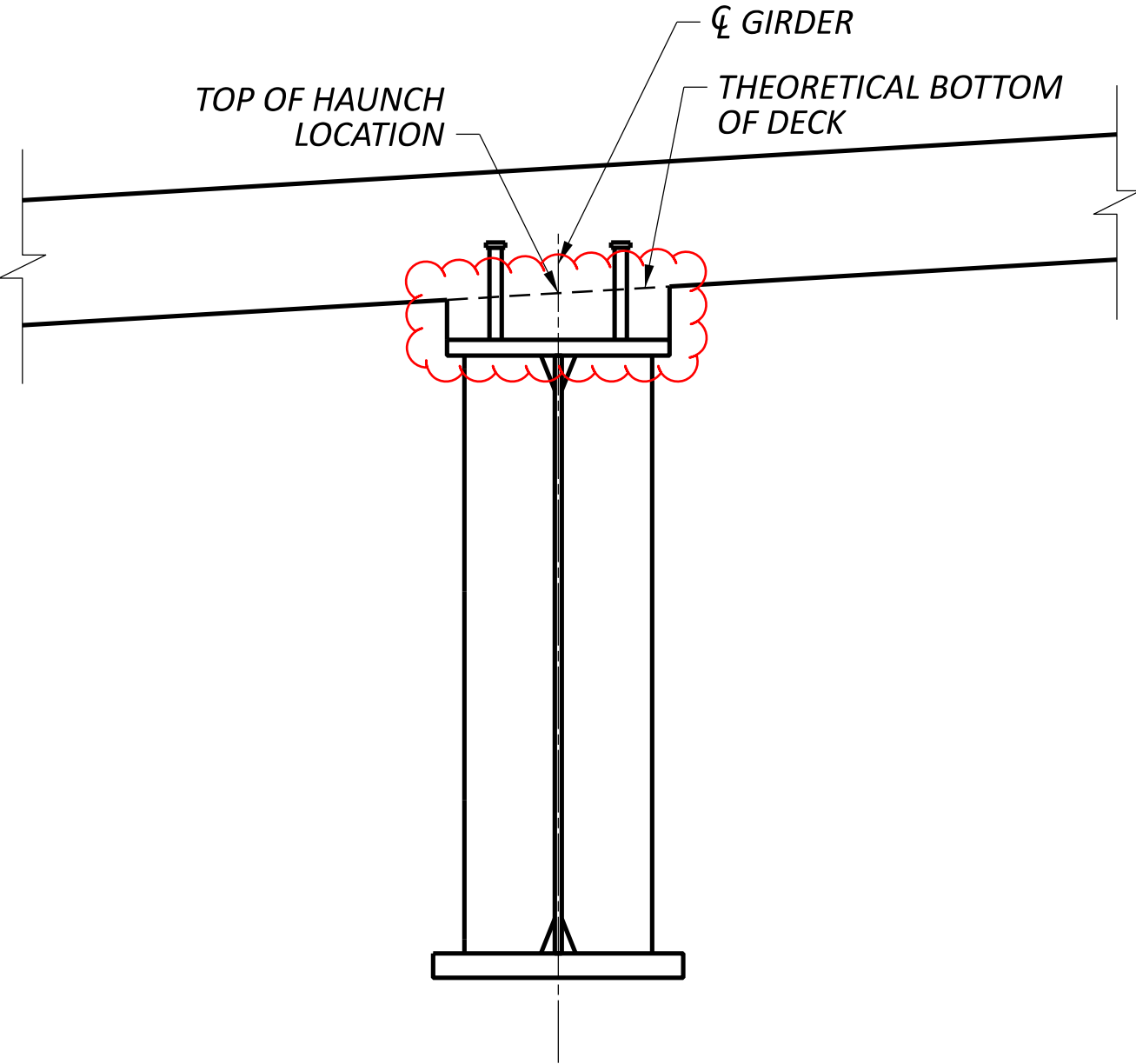
ROUNDING DETAIL



TRANSVERSE SECTION

SCREED ELEVATIONS							
		SPAN 2					
		℄ PIER	0.25	FIELD SPLICE 2	0.5	0.75	℄ BRG. F.A.
LEFT EDGE OF SLAB	STATION	26+52.90	26+76.18	26+78.32	26+99.46	27+22.74	27+46.02
	ELEVATION	937.71	937.29	937.25	936.82	936.25	935.56
TOE OF LT RAILING	STATION	26+52.90	26+76.13	26+78.28	26+99.37	27+22.61	27+45.85
	ELEVATION	937.71	937.29	937.25	936.83	936.25	935.57
PGL	STATION	26+52.90	26+75.87	26+78.00	26+98.85	27+21.83	27+44.81
	ELEVATION	938.31	937.90	937.86	937.44	936.88	936.20
BEGIN ROUNDING	STATION	26+52.90	26+75.47	26+77.56	26+98.04	27+20.62	27+43.19
	ELEVATION	939.27	938.87	938.83	938.42	937.87	937.20
℄ OF ROUNDING	STATION	26+52.90	26+75.41	26+77.49	26+97.92	27+20.43	27+42.94
	ELEVATION	939.42	939.02	938.98	938.58	938.03	937.36
END ROUNDING	STATION	26+52.90	26+75.35	26+77.43	26+97.80	27+20.25	27+42.70
	ELEVATION	939.32	938.92	938.88	938.48	937.93	937.26
TOE OF RT RAILING	STATION	26+52.90	26+75.27	26+77.35	26+97.65	27+20.03	27+42.40
	ELEVATION	939.20	938.80	938.76	938.37	937.82	937.15
RIGHT EDGE OF SLAB	STATION	26+52.90	26+75.23	26+77.31	26+97.57	27+19.90	27+42.24
	ELEVATION	939.20	938.80	938.76	938.37	937.82	937.15

TOP OF HAUNCH ELEVATIONS							
		SPAN 2					
		℄ PIER	0.25	FIELD SPLICE 2	0.5	0.75	℄ BRG. F.A.
GIRDER 1	STATION	26+52.90	26+76.09	26+78.23	26+99.28	27+22.47	27+45.67
	ELEVATION	937.06	936.64	936.60	936.18	935.61	934.93
GIRDER 2	STATION	26+52.90	26+75.83	26+77.94	26+98.75	27+21.68	27+44.61
	ELEVATION	937.67	937.26	937.22	936.81	936.25	935.57
GIRDER 3	STATION	26+52.90	26+75.57	26+77.67	26+98.24	27+20.91	27+43.58
	ELEVATION	938.28	937.88	937.84	937.43	936.88	936.20
GIRDER 4	STATION	26+52.90	26+75.32	26+77.40	26+97.74	27+20.15	27+42.57
	ELEVATION	938.52	938.12	938.08	937.68	937.13	936.47



TOP OF HAUNCH DETAIL

- NOTES:
- SCREED ELEVATIONS SHOWN REPRESENT THE THEORETICAL DECK SURFACE LOCATION PRIOR TO DEFLECTIONS CAUSED BY DECK PLACEMENT AND OTHER ANTICIPATED DEAD LOADS.
 - TOP OF HAUNCH ELEVATIONS SHOWN REPRESENT THE THEORETICAL LOCATION OF THE BOTTOM OF THE DECK ABOVE THE GIRDER HAUNCH PRIOR TO DEFLECTIONS CAUSED BY DECK PLACEMENT AND OTHER ANTICIPATED DEAD LOADS.
 - FOR FINAL DECK SURFACE ELEVATIONS, SEE SHEET 38 OF 48.
 - FOR DECK ELEVATIONS LAYOUT PLAN VIEW, SEE SHEET 38 OF 48.