

**EXISTING LEGEND**

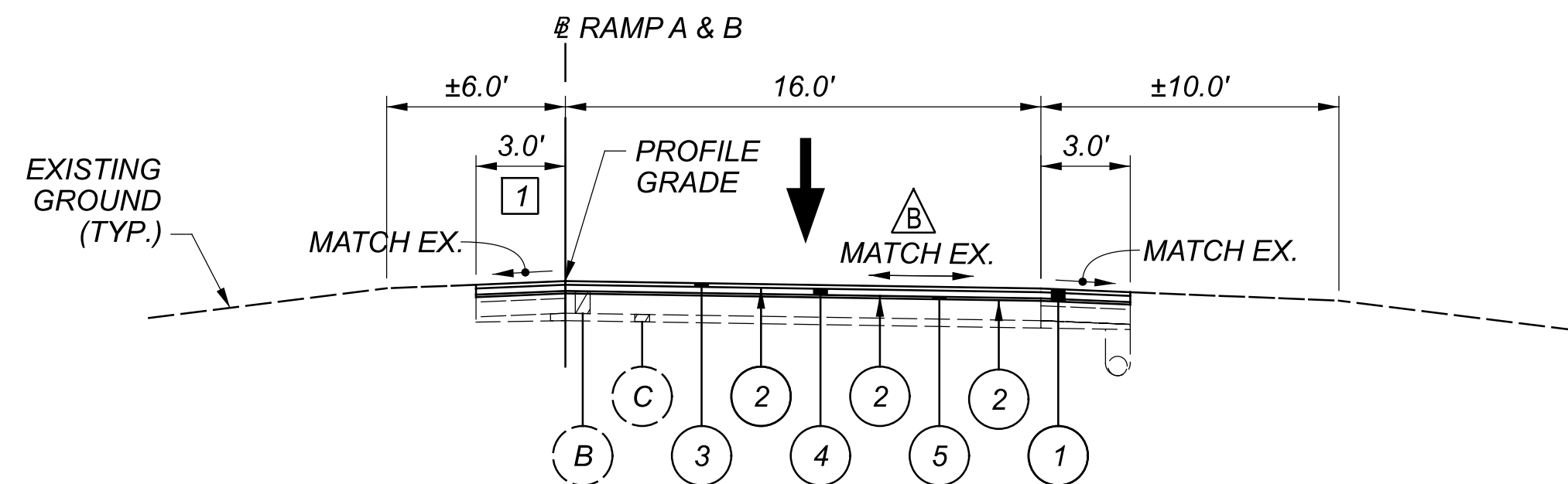
- (A) ±4" ASPHALT CONCRETE BASE
- (B) ±9" CONCRETE
- (C) ±3" AGGREGATE BASE
- (D) ±3" BITUMINOUS AGGREGATE BASE
- (E) ±6" AGGREGATE BASE
- (F) ±4 1/2" NO. 8 AGGREGATE
- (G) 6" UNDERDRAIN
- (I) ±5" ASPHALT CONCRETE
- (J) ±8" BITUMINOUS AGGREGATE BASE

**LEGEND**

- (1) ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (VARIABLE DEPTH, VARIES 4" - 5") (SEE NOTES B AND C)
- (2) ITEM 407 - TACK COAT
- (3) ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448)
- (4) ITEM 442 - 2 1/2" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (448)
- (5) ITEM 442 - ±1" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448) (LEVELING COURSE)
- (6) ITEM 301 - 9" ASPHALT CONCRETE BASE, PG64-22 (PLACE IN TWO LIFTS)
- (7) ITEM 304 - 6" AGGREGATE BASE
- (8) ITEM 204 - SUBGRADE COMPACTION
- (9) ITEM 605 - 6" UNCLASSIFIED PIPE UNDERDRAIN
- (10) ITEM 606 - GUARDRAIL, TYPE MGS
- (11) ITEM 659 - SEEDING AND MULCHING

**NOTES:**

- A OR AS SHOWN ON CROSS SECTIONS.
- B PAVEMENT PLANING SHALL BE A VARIABLE DEPTH TO THE SURFACE OF THE EXISTING CONCRETE WITH A CROSS SLOPE MATCHING THE EXISTING PAVEMENT.
- C PAVEMENT PLANING SHALL BE A CONSTANT CROSS SLOPE OF 1.60% FROM THE EXISTING CENTERLINE OF THE CROWN.
- D SAWCUT PAVEMENT TO FULL DEPTH EXPOSING A SOUND PAVEMENT EDGE AND REMOVE EXISTING PAVEMENT TO FULL DEPTH. EXACT LOCATION SHALL BE DETERMINED IN THE FIELD. PAYMENT FOR SAWCUTTING IS INCLUDING IN ITEM 202 - PAVEMENT REMOVED.
- E FOR PAVED SHOULDER CROSS SLOPES ON SUPERELEVATED SECTIONS SEE PAVED SHOULDER CROSS SLOPE DETAILS, SHEET 5.
- F FOR CROSS SLOPES, SEE SUPERELEVATION TABLE, SHEET 23.
- G PROVIDE SUBGRADE STABILIZATION. EXCAVATE AND REPLACE A DEPTH OF 12 INCHES. EXCAVATE TO 18 INCHES BEYOND THE EDGE OF THE SURFACE OF THE PAVEMENT OR PAVED SHOULDERS. FOR DETAILS SEE NOTE "ITEM 204 - SUBGRADE COMPACTION AND PROOF ROLLING", SHEET 6.
- H GUARDRAIL IS SHOWN FOR CLARITY ONLY. REFER TO PLAN AND PROFILE SHEETS FOR LIMITS AND LOCATION OF GUARDRAIL.



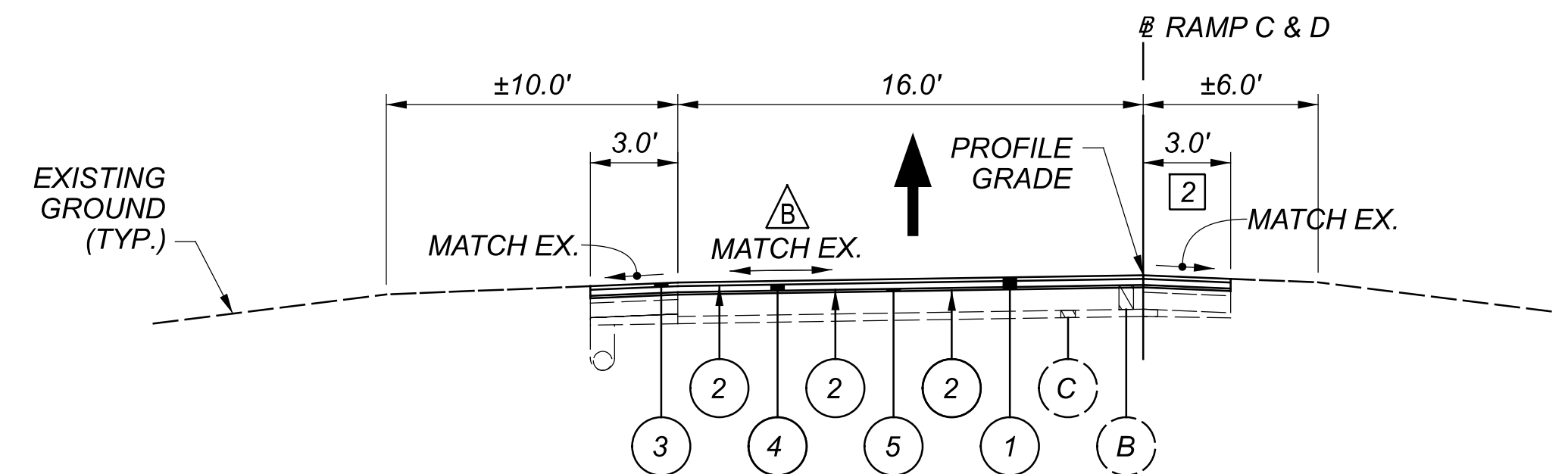
**PROPOSED RAMP NORMAL SECTION**

RAMP A & B PLANING AND OVERLAY

**SECTION APPLIES:**

STA. 742+62.00 TO STA. 745+00.00 (RAMP A)  
 STA. 754+56.41 TO STA. 758+95.00 (RAMP B)

1 STA. 758+23.61 TO STA. 758+95.00 (RAMP B)  
 3.0' TO 5.4'



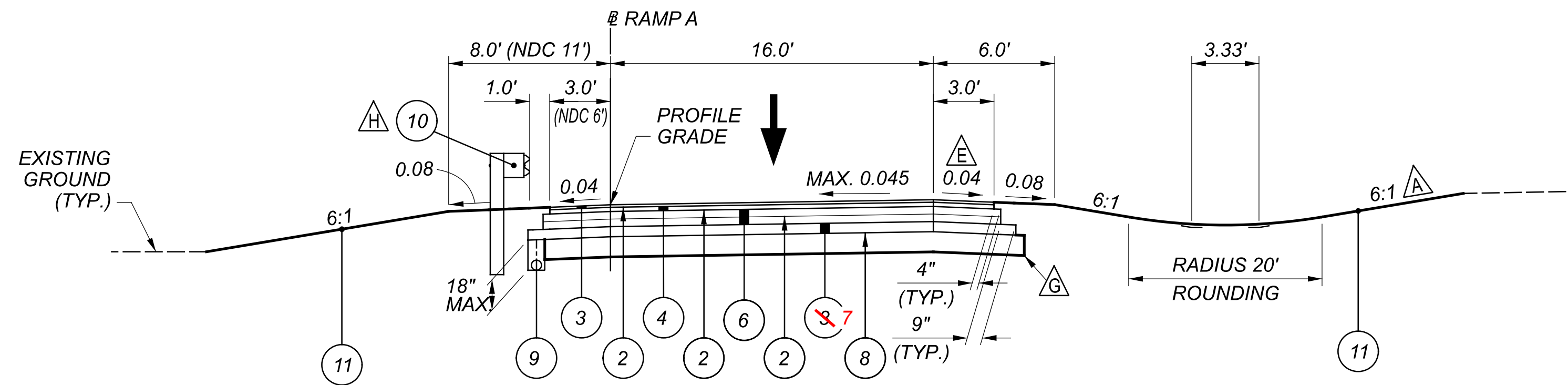
**PROPOSED RAMP NORMAL SECTION**

RAMP C & D PLANING AND OVERLAY

**SECTION APPLIES:**

STA. 740+82.00 TO STA. 741+50.00 (RAMP C)  
 STA. 750+31.00 TO STA. 757+43.00 (RAMP D)

2 STA. 740+82.00 TO STA. 741+50.00 (RAMP C)  
 5.4' TO 3.23'

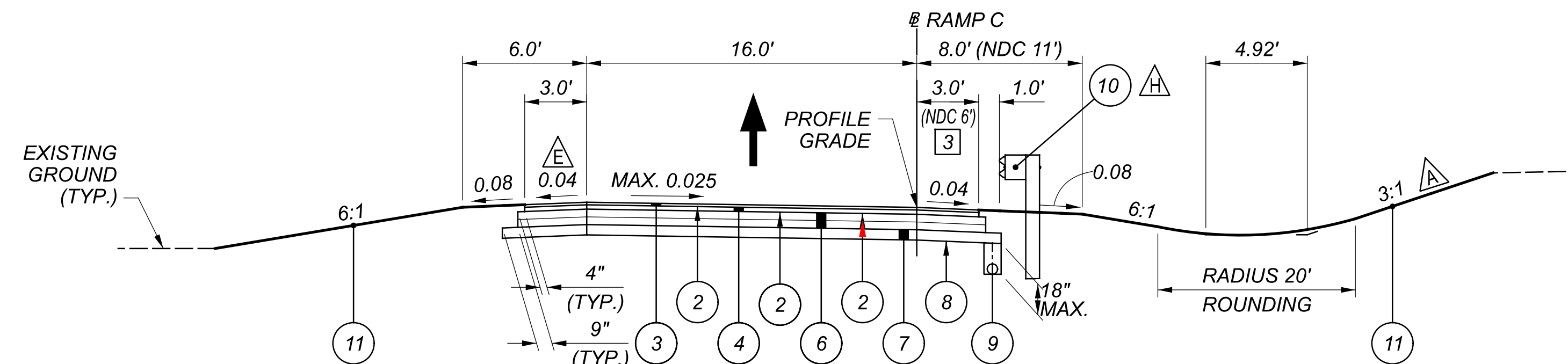


**PROPOSED RAMP A SECTION**

RAMP FULL DEPTH

**SECTION APPLIES:**

STA. 745+00.00 TO STA. 750+63.17



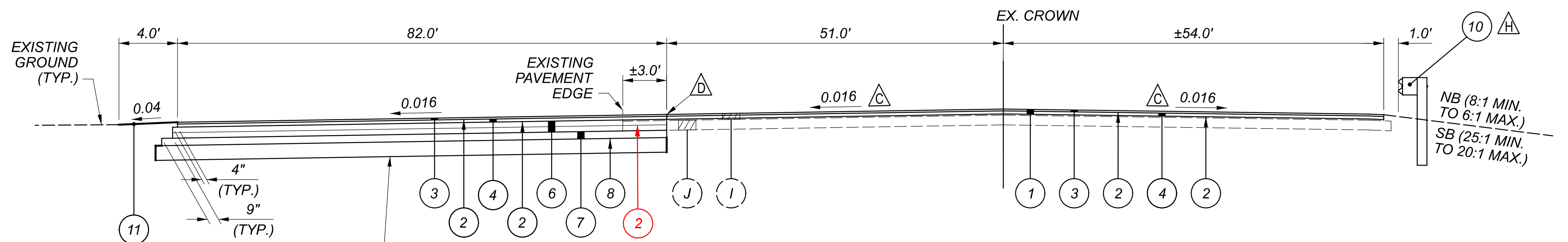
**PROPOSED RAMP C SECTION**

RAMP FULL DEPTH

**SECTION APPLIES:**

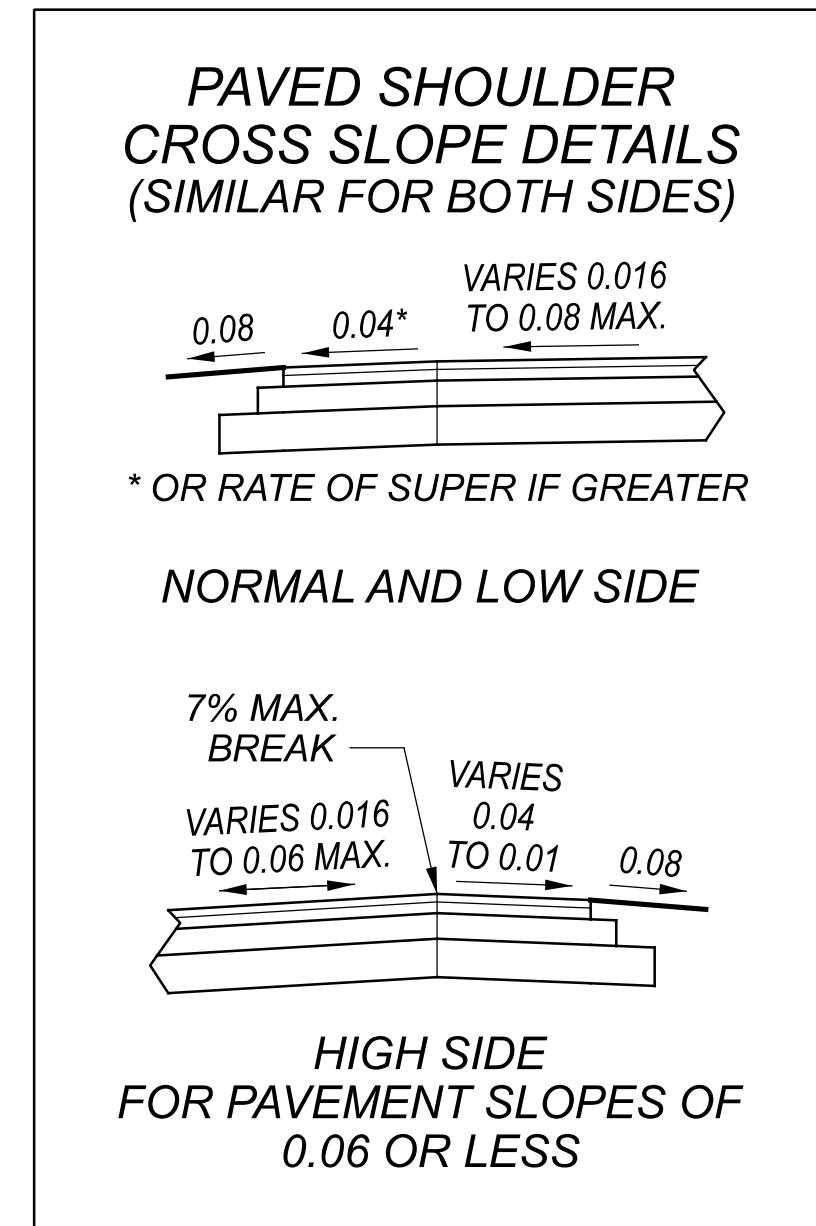
STA. 741+50.00 TO STA. 746+54.31

3 STA. 741+50.00 TO STA. 741+55.02  
 3.23' TO 3.00'



**PROPOSED PARKING AREA NORMAL SECTION**

(SIMILAR IN BOTH DIRECTIONS)



TYPICAL SECTIONS

DESIGN AGENCY	<b>KORDA</b>
DESIGNER	<b>KORDA / NEMETH ENGINEERING, INC</b>
REVIEWER	1650 Watermark Drive, Suite 200, Columbus, OH 43215
PROJECT ID	115387
SHEET	TOTAL
5	47



SHEET NUM.											PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
6	7	11	12	18	23	29	30	31	01/NHS/OT		EXT	TOTAL					
<b>ROADWAY</b>																	
LS									LS	201	11000	LS			CLEARING AND GRUBBING		
			5,003						5,003	202	23000	5,003	SY		PAVEMENT REMOVED		
		312							312	202	35100	312	FT		PIPE REMOVED, 24" AND UNDER		
		2							2	202	58100	2	EACH		CATCH BASIN REMOVED		
		2							2	202	75250	2	EACH		GATE REMOVED		
			2,163						<del>5,174</del>	203	10000	<del>5,174</del> 4,856	CY		EXCAVATION		
			811						<del>4,579</del>	203	20000	<del>4,579</del> 1,765	CY		EMBANKMENT		
			<del>11,002</del>						<del>11,002</del>	204	10000	<del>11,002</del>	SY		SUBGRADE COMPACTION		
1,806									1,806	204	13000	1,806	CY		EXCAVATION OF SUBGRADE		
1,806									1,806	204	30010	1,806	CY		GRANULAR MATERIAL, TYPE B		
9									9	204	45000	9	HOUR		PROOF ROLLING		
5,395									5,395	204	50000	5,395	SY		GEOTEXTILE FABRIC		
		2,725							2,725	606	15050	2,725	FT		GUARDRAIL, TYPE MGS		
		2							2	606	26150	2	EACH		ANCHOR ASSEMBLY, MGS TYPE E (MASH 2016)		
		6							6	606	26550	6	EACH		ANCHOR ASSEMBLY, MGS TYPE T		
									3	SPECIAL	69050600	3	EACH		BOLLARD	7	
<b>EROSION CONTROL</b>																	
10						2	2		14	601	32204	14	CY		ROCK CHANNEL PROTECTION, TYPE C WITH GEOTEXTILE FABRIC		
188									188	659	00300	188	CY		TOPSOIL		
7,180									7,180	659	10000	7,180	SY		SEEDING AND MULCHING		
359									359	659	14000	359	SY		REPAIR SEEDING AND MULCHING		
359									359	659	15000	359	SY		INTER-SEEDING		
0.97									0.97	659	20000	0.97	TON		COMMERCIAL FERTILIZER		
1.48									1.48	659	31000	1.48	ACRE		LIME		
39									39	659	35000	39	MGAL		WATER		
		1,688							1,688	670	00520	1,688	SY		SLOPE EROSION PROTECTION MAT, TYPE B		
		332							332	670	00720	332	SY		DITCH EROSION PROTECTION MAT, TYPE B		
									LS	832	15000	LS			STORM WATER POLLUTION PREVENTION PLAN		
									LS	832	15002	LS			STORM WATER POLLUTION PREVENTION INSPECTIONS		
									LS	832	15010	LS			STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE		
									39,900	832	30000	39,900	EACH		EROSION CONTROL		
<b>DRAINAGE</b>																	
						LS	LS		LS	503	11100	LS			COFFERDAMS AND EXCAVATION BRACING		
						0.5	0.5		1	602	20000	1	CY		CONCRETE MASONRY		
250		759							1,009	605	13300	1,009	FT		6" UNCLASSIFIED PIPE UNDERDRAINS		
100									100	605	31100	100	FT		AGGREGATE DRAINS		
50		101							151	611	01500	151	FT		6" CONDUIT, TYPE F		
						82	160		242	611	05700	242	FT		15" CONDUIT, TYPE A, 706.02, 707.01 (0.064) ALUMINIZED, 707.33, 707.42		
		2							2	611	98635	2	EACH		CATCH BASIN RECONSTRUCTED TO GRADE, AS PER PLAN	7	
		2							2	611	99710	2	EACH		PRECAST REINFORCED CONCRETE OUTLET		
<b>PAVEMENT</b>																	
350									350	253	01000	350	SY		PAVEMENT REPAIR		
		3,226							3,226	254	01000	3,226	SY		PAVEMENT PLANING, ASPHALT CONCRETE (DEPTH 1 1/2")		
			11,721						11,721	254	01000	11,721	SY		PAVEMENT PLANING, ASPHALT CONCRETE (VARIABLE DEPTH, VARIES 4"-5")		
2,500									2,500	254	01600	2,500	SY		PATCHING PLANED SURFACE		
350									350	255	10010	350	SY		FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, CLASS QC1		
500									500	255	20000	500	FT		FULL DEPTH PAVEMENT SAWING		
			2,639						<del>2,639</del>	301	56000	<del>2,639</del>	CY		ASPHALT CONCRETE BASE, PG64-22, (449)		
			<del>2,114</del>	1,811					<del>2,114</del>	304	20000	<del>2,114</del> 1,811	CY		AGGREGATE BASE		
			3,519						<del>3,519</del>	407	10000	<del>3,519</del>	GAL		TACK COAT		
	135		930						1,065	442	20000	1,065	CY		ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448)		
			1,637						1,637	442	20170	1,637	CY		ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (448)		
								3,644	3,644	618	40100	3,644	FT		RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)		

DESIGN AGENCY  
**KORDA**  
 KORDA / NEMETH  
 ENGINEERING, INC  
 1650 Watermark Drive,  
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 Columbus, OH 43215

DESIGNER  
 CLP

REVIEWER  
 BMV 06-16-22

PROJECT ID  
 115387

SHEET TOTAL  
 9 47

ROS-23-WEIGH STATION CONVERSION

MODEL: Sheet PAPER: 34x22 (in.) DATE: 6/15/2022 TIME: 12:55:50 PM USER: cplacsek  
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SHEET NO.	LOCATION	STATION TO STATION						202	204	254	301	304	407	442	442	442							
								PAVEMENT REMOVED SY	SUBGRADE COMPACTION SY	PAVEMENT PLANING, ASPHALT CONCRETE (VARIABLE DEPTH, VARIES 4"-5") SY	ASPHALT CONCRETE BASE, PG64- 22, (449) CY	AGGREGATE BASE CY	TACK COAT GAL	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448) CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (448) CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (448) (LEVELING COURSE) CY							
14-15, 24	RAMP A AND SOUTHBOUND PARKING AREA						2531																
19-20, 25	RAMP C AND NORTHBOUND PARKING AREA						2472																
14, 15	RAMP A (MILL & OVERLAY)	743+62.00	LT/RT	TO	745+00.00	LT/RT			582			66.4	25	41	17								
14, 15	RAMP A	745+00.00	LT/RT	TO	749+09.80	LT/RT		1139		259	<del>245</del> 184	168.7	42	70									
15	RAMP A DRIVE	749+09.80	LT/RT	TO	750+63.17	LT/RT		711		168	<del>155</del> 117	109.6	28	46									
24	SOUTHBOUND PARKING AREA (MILL & OVERLAY)								4068			569.6	170	283									
	SOUTHBOUND PARKING AREA							3706		905	<del>817</del> 613	594.7	150	250									
24	RAMP B (MILL & OVERLAY)	754+56.41	LT/RT	TO	758+95.00	LT/RT			1083			211.0	46	76	26								
19, 20	RAMP C (MILL & OVERLAY)	740+82.00	LT/RT	TO	741+50.00	LT/RT			177			33.9	8	13	1								
19, 20	RAMP C	741+50.00	LT/RT	TO	745+38.74	LT/RT		1081		246	175	160.0	41	67									
20	RAMP C DRIVE	745+38.74	LT/RT	TO	746+54.31	LT/RT		546		129	90	83.7	22	36									
25	NORTHBOUND PARKING AREA (MILL & OVERLAY)								4070			569.8	170	283									
	NORTHBOUND PARKING AREA							3819		932	632	612.1	155	258									
26	RAMP D (OVERLAY)	750+31.00	LT/RT	TO	757+43.00	LT/RT			1741			339.4	73	121	49								
<b>TOTALS CARRIED TO GENERAL SUMMARY</b>							5,003	11,002	11,721	2,639	<del>2,114</del> 1,811	3,519	930	1,544	93								
														1,637									

PAVEMENT CALCULATIONS

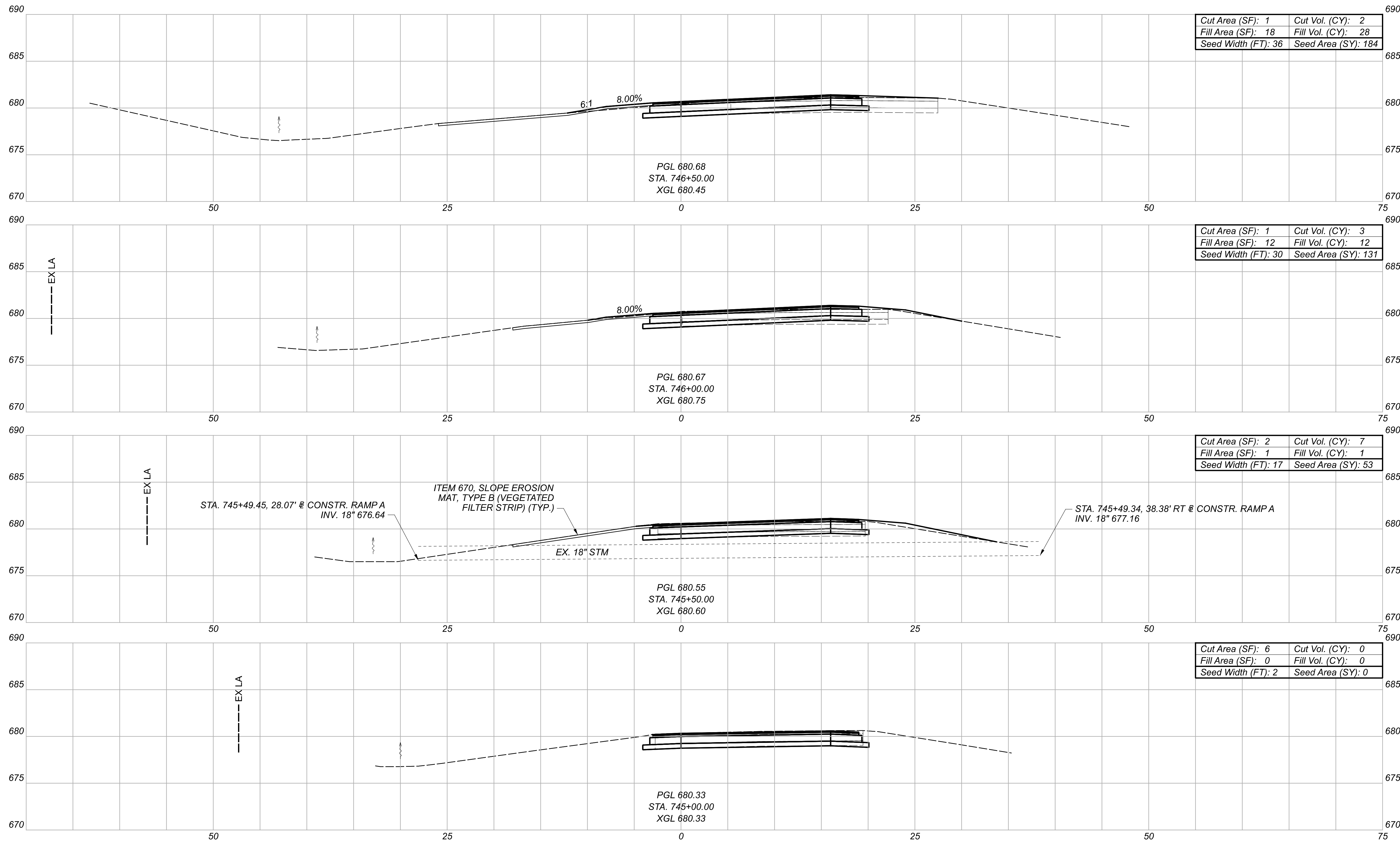
DESIGN AGENCY  
**KORDA**  
 KORDA / NEMETH  
 ENGINEERING, INC  
 1650 Watermark Drive,  
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 Columbus, OH 43215

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 BMV 06-16-22

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 115387

SHEET TOTAL  
 12 47



CROSS SECTIONS - RAMP A  
 STA. 745+00.00 TO STA. 746+50.00

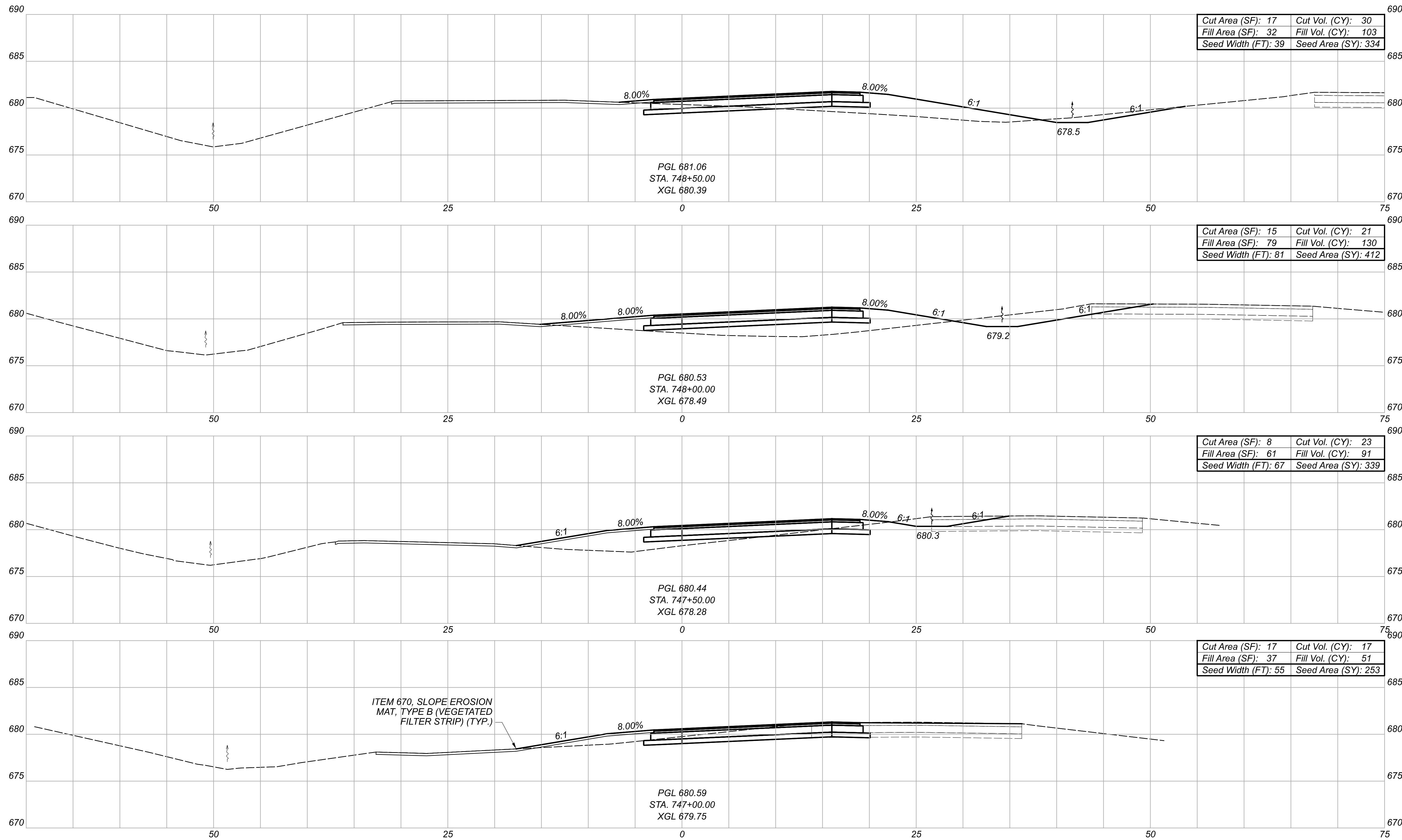
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 BMV 06-16-22

PROJECT ID  
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Sheet Totals			SHEET TOTAL	
Seeding	Cut	Fill	SHEET	TOTAL
368	12	<del>34</del> 41	16	47





Cut Area (SF): 17	Cut Vol. (CY): 30
Fill Area (SF): 32	Fill Vol. (CY): 103
Seed Width (FT): 39	Seed Area (SY): 334

Cut Area (SF): 15	Cut Vol. (CY): 21
Fill Area (SF): 79	Fill Vol. (CY): 130
Seed Width (FT): 81	Seed Area (SY): 412

Cut Area (SF): 8	Cut Vol. (CY): 23
Fill Area (SF): 61	Fill Vol. (CY): 91
Seed Width (FT): 67	Seed Area (SY): 339

Cut Area (SF): 17	Cut Vol. (CY): 17
Fill Area (SF): 37	Fill Vol. (CY): 51
Seed Width (FT): 55	Seed Area (SY): 253

CROSS SECTIONS - RAMP A  
 STA. 747+00.00 TO STA. 748+50.00

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 BMV 06-16-22  
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 115387

Sheet Totals			115387	
Seeding	Cut	Fill	SHEET	TOTAL
1338	375	91	17	47
	91	375		

Totals to Gen. Sum.		
Seeding*	Cut	Fill
3454	<del>2952</del>	<del>612</del>

\* CARRIED TO GENER 2163 811

SEEDING FOR PARKING AREA:  
AREA = 460 SY

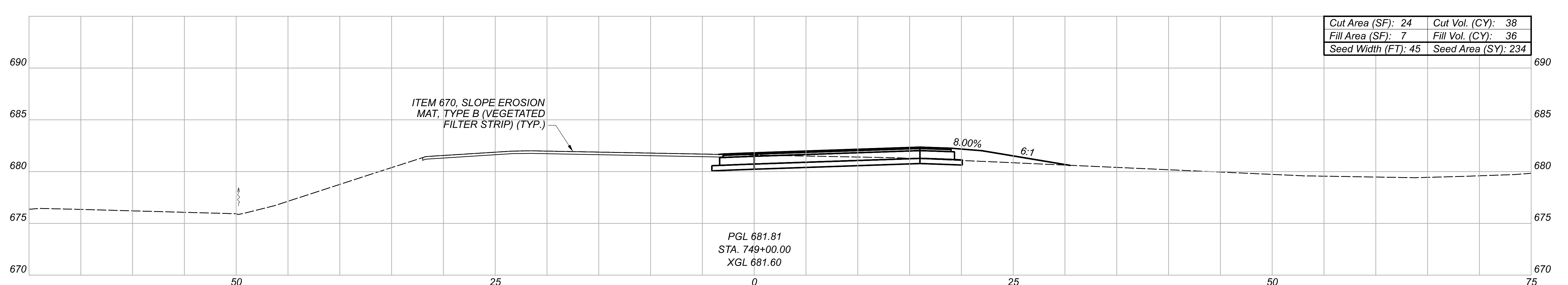
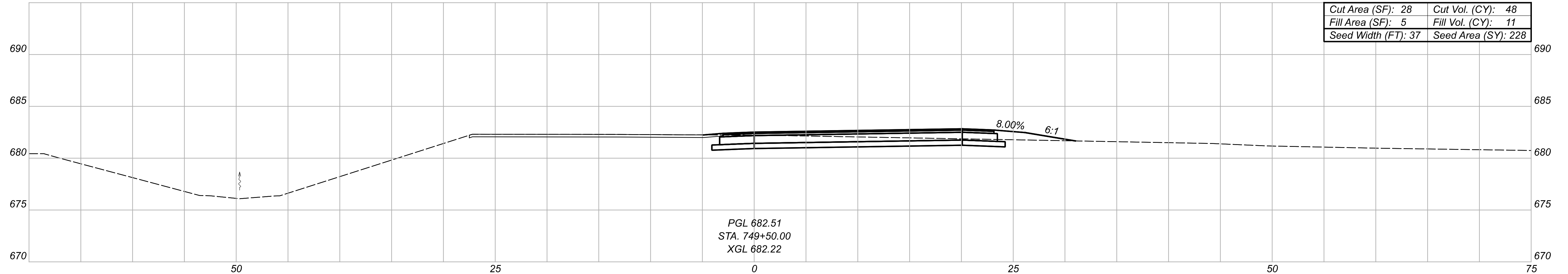
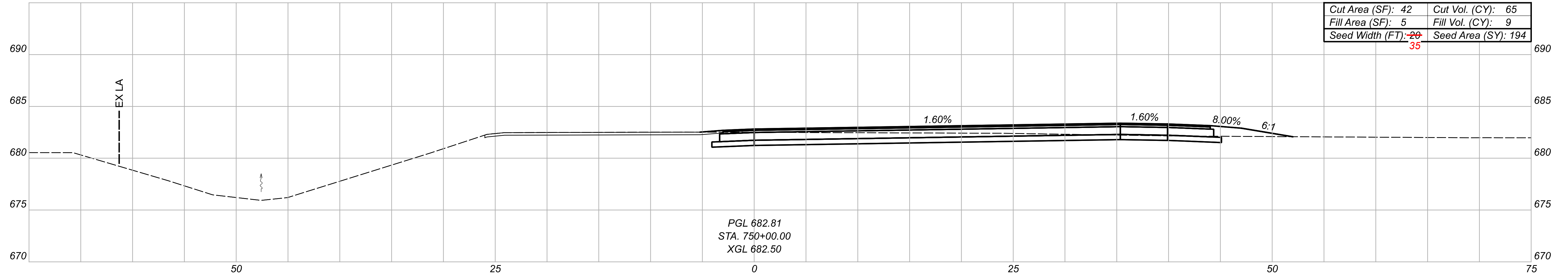
SEEDING FOR PAVEMENT REMOVAL:  
AREA (STA. 748+50 TO STA. 750+63.17) = 526 SY

SEEDING TO STA. 750+63.17:  
AREA = 106 SY

EARTHWORK FOR PARKING AREA:  
CUT = 1766 CY  
FILL = 50 CY

EARTHWORK FOR PAVEMENT REMOVAL:  
CUT = 0 CY  
FILL (STA. 748+50 TO STA. 750+63.17) = 277 CY

EARTHWORK TO STA. 750+63.17:  
CUT = 143 CY  
FILL = 12 CY



CROSS SECTIONS - RAMP A  
STA. 749+00.00 TO STA. 750+00.00

DESIGN AGENCY  
**KORDA**  
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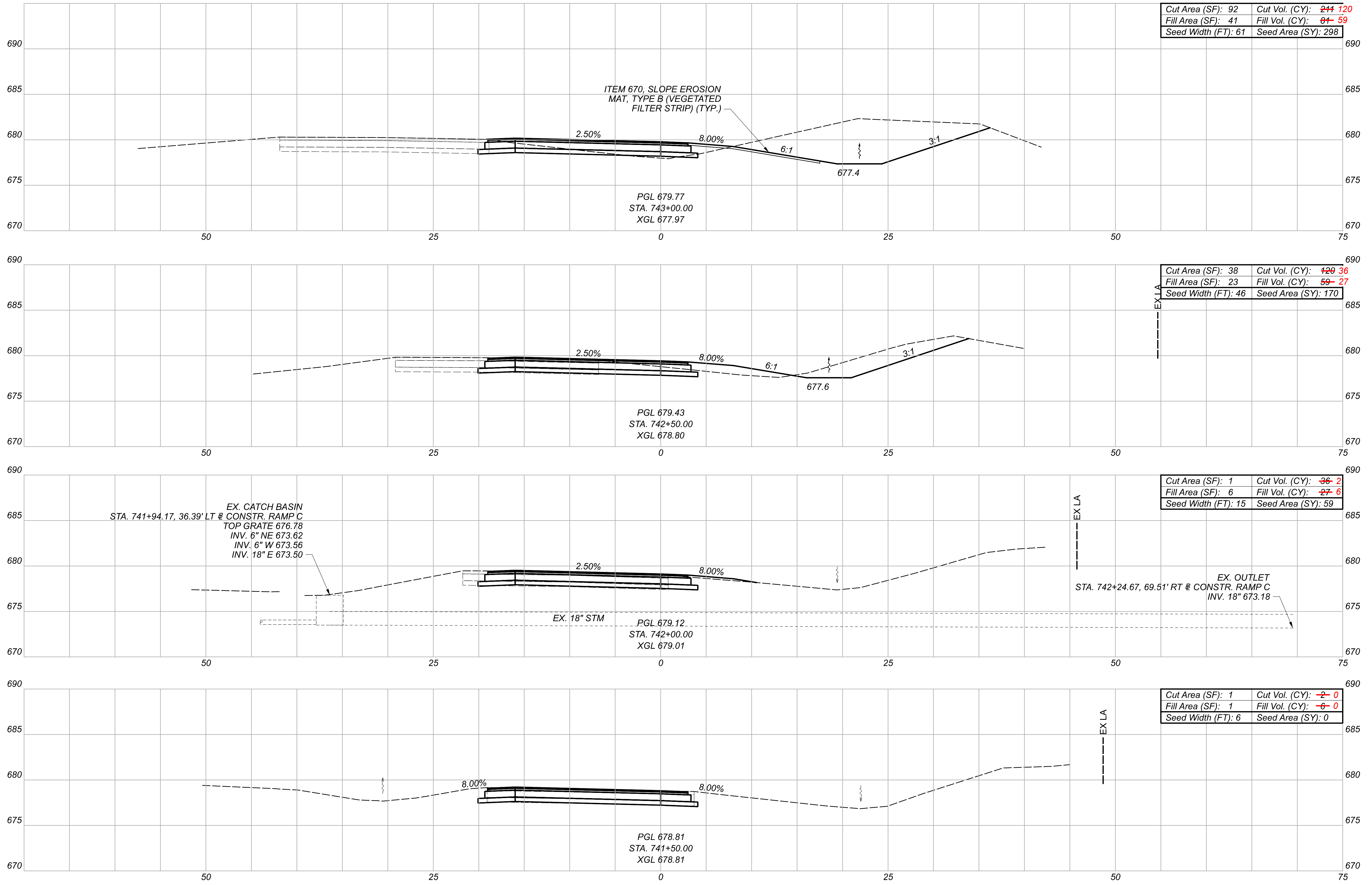
DESIGNER  
CLP

REVIEWER  
BMV 06-16-22

PROJECT ID  
115387

Sheet Totals		
Seeding	Cut	Fill
656	<del>56</del>	<del>151</del>
	151	56

SHEET	TOTAL
18	47

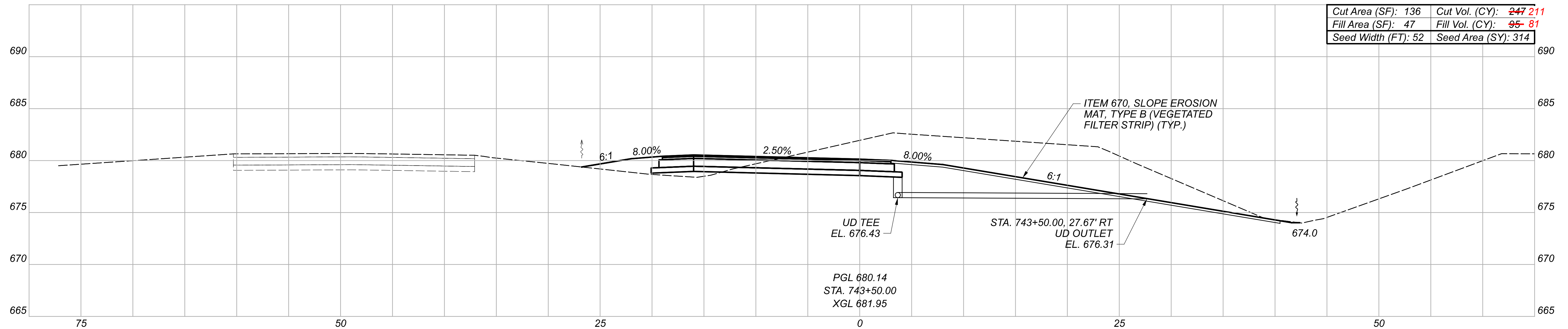
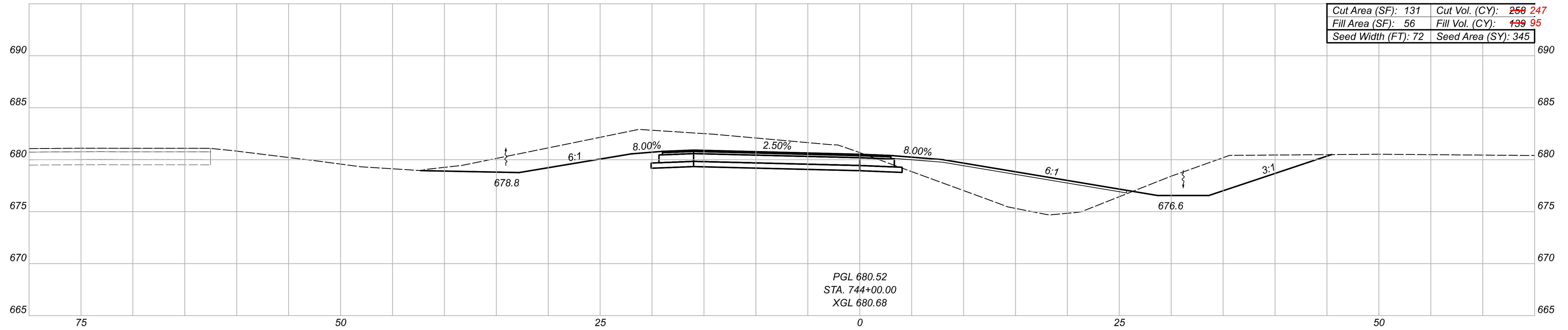
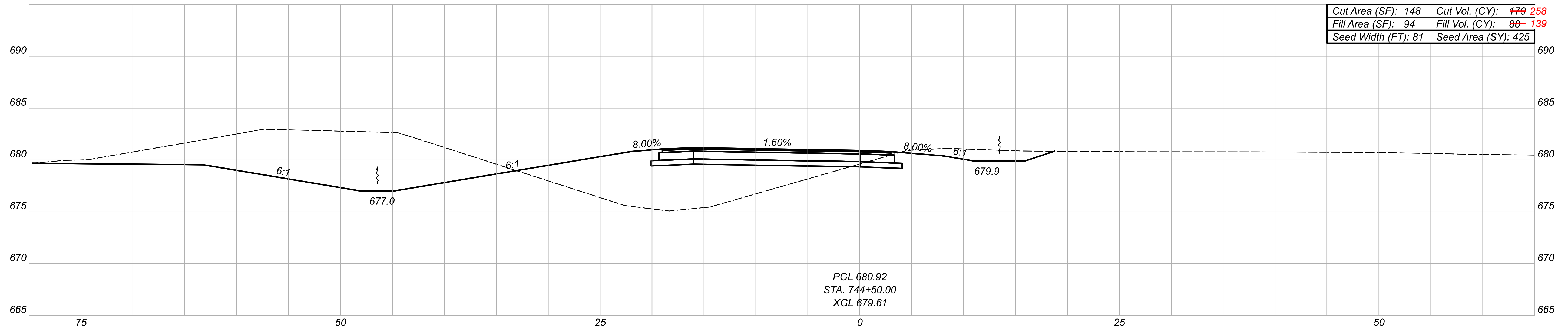


Sheet Totals			115387	
Seeding	Cut	Fill	SHEET	TOTAL
527	369	173	21	47
	158	92		



ROS-23-WEIGH STATION CONVERSION

MODEL: CLP\_RAWPC - 743+50.00 [Sheet] PAPER: 34x22 (In.) DATE: 6/13/2022 TIME: 12:33:53 PM USER: aclues  
 H:\Projects\2021\2021-0475.00\_9F\_115387 ROS-Weigh Station Conversion\115387\_400-Engineering\Roadway\Sheets\115387\_XS100.dgn



CROSS SECTIONS - RAMP C  
 STA. 743+50.00 TO STA. 744+50.00

DESIGN AGENCY  
**KORDA**  
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 ENGINEERING, INC  
 1650 Watermark Drive,  
 Suite 200,  
 Columbus, OH 43215

DESIGNER  
 CLP

REVIEWER  
 BMV 06-16-22

PROJECT ID  
 115387

Sheet Totals			115387	
Seeding	Cut	Fill	SHEET	TOTAL
1084	<del>675</del> 322	<del>322</del> 716	22	47



Totals to Gen. Sum.		
Seeding*	Cut	Fill
3726	<del>2022</del>	<del>967</del>
* CARRIED TO GENER 2693 954		

SEEDING FOR PARKING AREA:  
 AREA = 960 SY

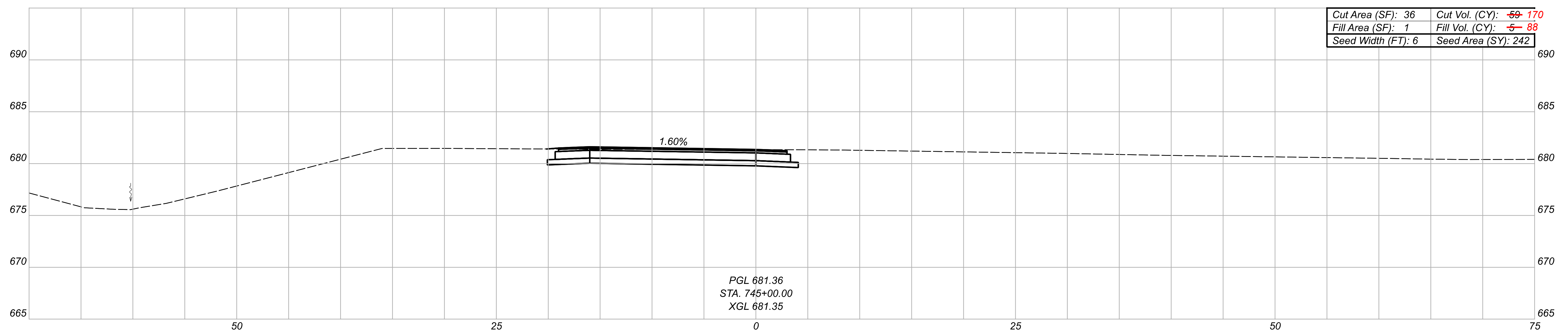
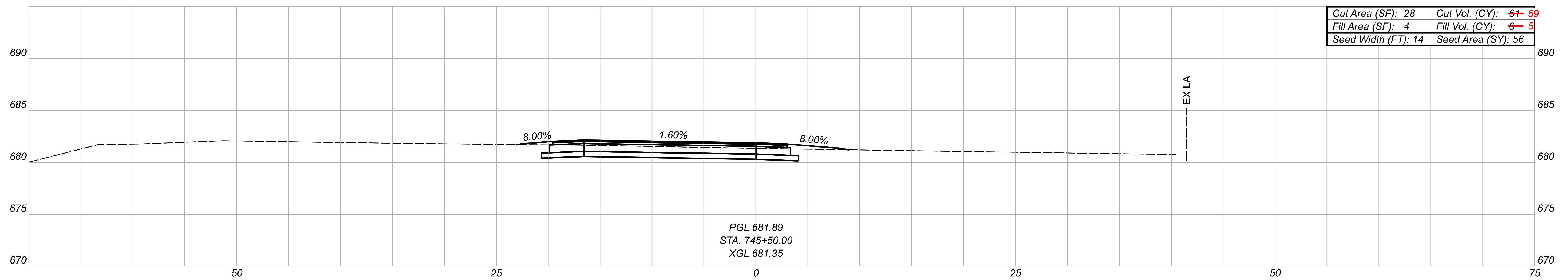
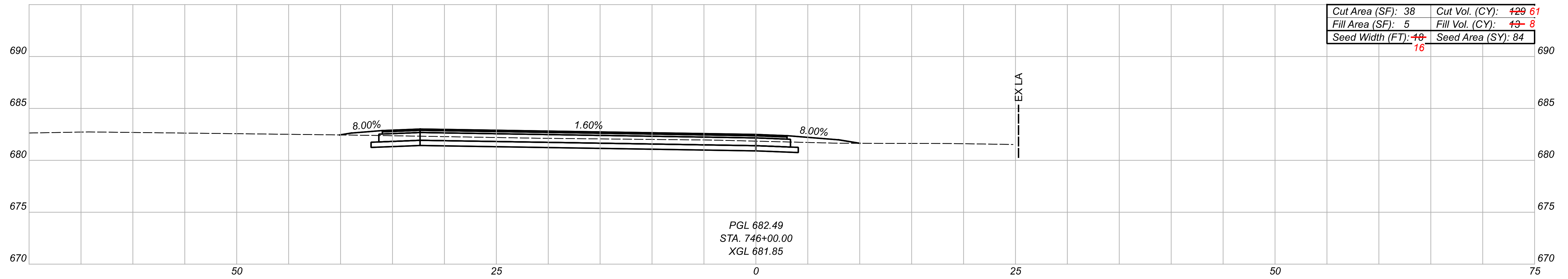
SEEDING FOR PAVEMENT REMOVAL:  
 AREA (STA. 743+50.00 TO STA. 746+54.31) = 670 SY

SEEDING TO STA. 746+54.31:  
 AREA = 103 SY

EARTHWORK FOR PARKING AREA:  
 CUT = 1400 CY  
 FILL = 80 CY

EARTHWORK FOR PAVEMENT REMOVAL:  
 CUT = 0 CY  
 FILL (STA. 743+50.00 TO STA. 746+54.31) = 353 CY

EARTHWORK TO STA. 746+54.31:  
 CUT = 129 CY  
 FILL = 13 CY



CROSS SECTIONS - RAMP C  
 STA. 745+00.00 TO STA. 746+00.00

DESIGN AGENCY



**KORDA / NEMETH  
 ENGINEERING, INC**  
 1650 Watermark Drive,  
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DESIGNER

CLP

REVIEWER

BMV 06-16-22

PROJECT ID

115387

Sheet Totals		
Seeding	Cut	Fill
382	<del>249</del> 26	<del>290</del> 101

SHEET	TOTAL
23	47