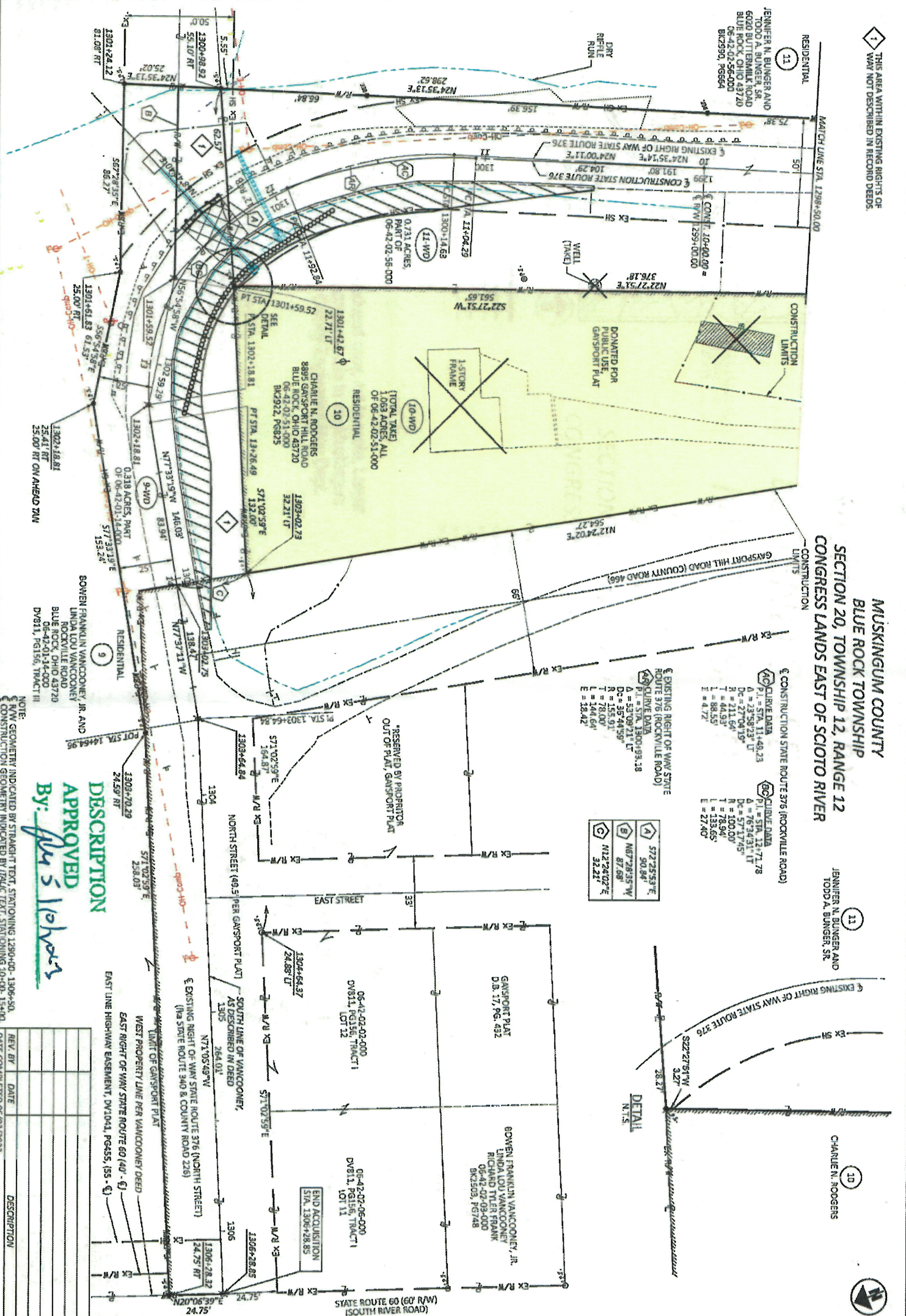


MUS-376-5.09

MODEL: 115989_R0001 PAPER SIZE: 84x22 (in.) DATE: 5/8/2023 TIME: 5:30:43 PM USER: fnyder
 D:\Projects\2023\Muskingum\115989\A01-Engineering_Folder\RW\Sheets\115989_R0002.dwg



THIS AREA WITHIN EXISTING RIGHTS OF WAY NOT DESCRIBED IN RECORD DEEDS.

MUSKINGUM COUNTY
 BLUE ROCK TOWNSHIP
 SECTION 20, TOWNSHIP 12, RANGE 12
 CONGRESS LANDS EAST OF SCIOTO RIVER

JENNIFER N. BUNGER AND
 TODD A. BUNGER, SR.

CHARLIE N. ROGERS



EXISTING RIGHT OF WAY STATE ROUTE 376 (ROCKVILLE ROAD)

CLIQUE DATA	CLIQUE DATA
P.I. = STA. 11+40.23	P.I. = STA. 12+71.78
Q.C. = 23°59'23" LT	Q.C. = 76°34'31" LT
D.C. = 27°04'15"	D.C. = 57°17'45"
N = 211.66'	N = 100.00'
E = 88.53'	E = 153.96'
L = 4.172'	L = 1.534'
E = 18.42'	E = 27.40'

57225531'E	90.84'
N07°28'53"W	87.68'
N12°24'02"E	32.21'

DETAIL
 N.T.S.

NOTE: R/W GEOMETRY INDICATED BY STRAIGHT TEXT STATIONING 1290+00 - 1306+50.
 CONSTRUCTION GEOMETRY INDICATED BY ITALIC TEXT STATIONING 10+00 - 15+00.

APPROVED
 DESCRIPTION
 By: *John S. Roberts*

REV. BY	DATE	DESCRIPTION

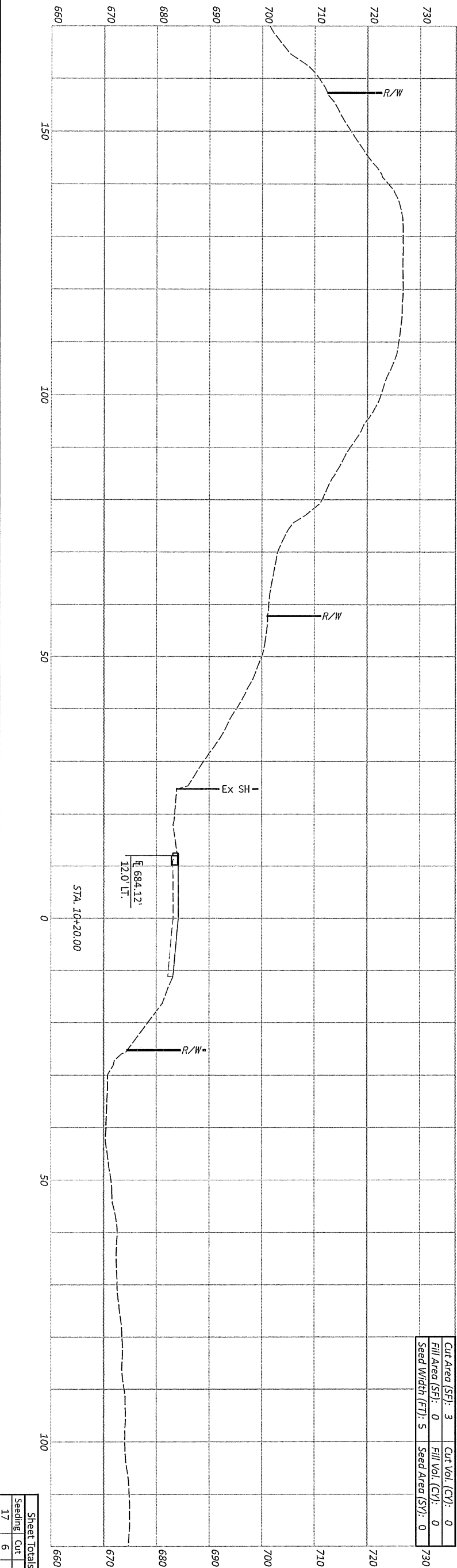
DESIGNER	JNS
DATE	05/09/23
PROJECT NO.	115989
DATE	05/09/23
REV. 7	7

RIGHT OF WAY DETAIL SHEET
 STA. 1298+50.00 TO STA. 1304+50.00

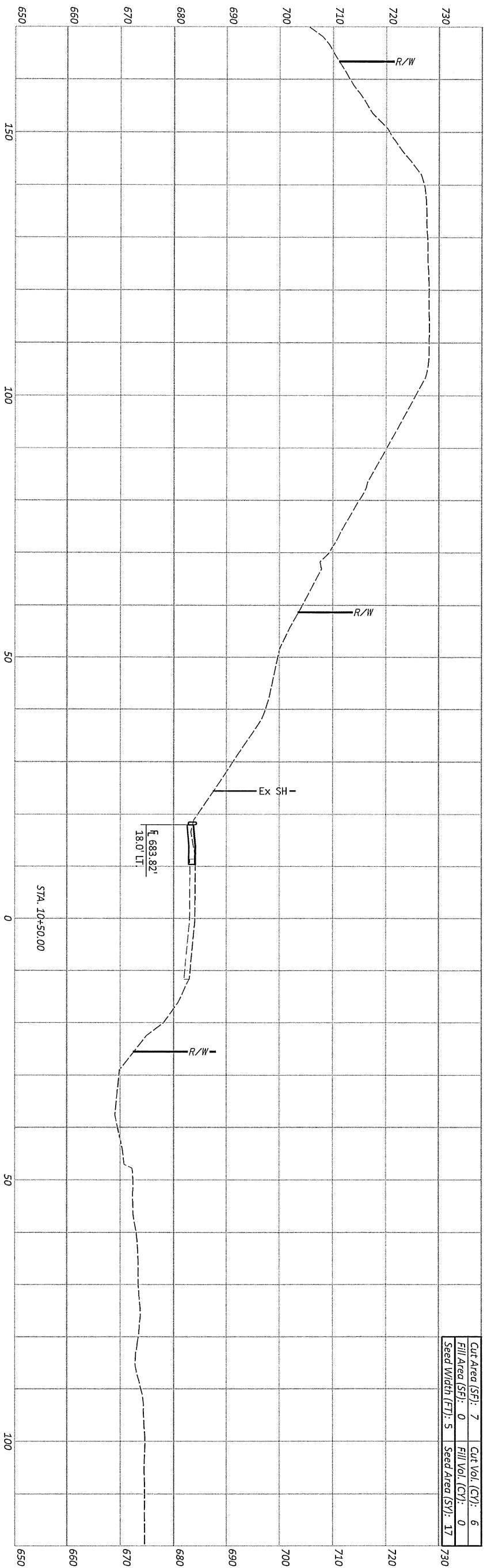


MUS-376-5.09

MODEL: CLP_S376 - 10+20.00 [Sheet] PAPER SIZE: 34x22 (in.) DATE: 6/6/2023 TIME: 7:57:30 AM USER: gmotsche
 pw:\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Muskingum\115989\400-Engineering\Roadway\Sheets\115989_XS001.dgn



Cut Area (SF): 3	Fill Vol. (CY): 0
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 5	Seed Area (SY): 0



Cut Area (SF): 7	Cut Vol. (CY): 6
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 5	Seed Area (SY): 17

Sheet Totals	PROJECT ID
Seeding 17	115989
Cut 6	SHEET TOTAL
Fill 0	P.16
	28



DESIGN AGENCY

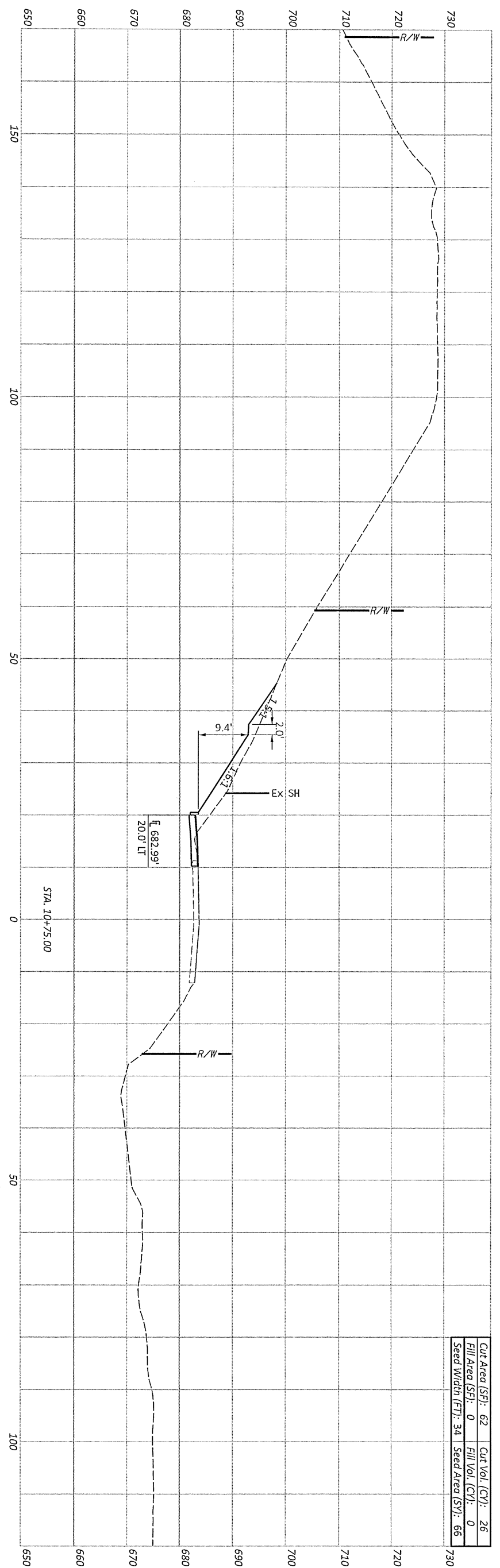
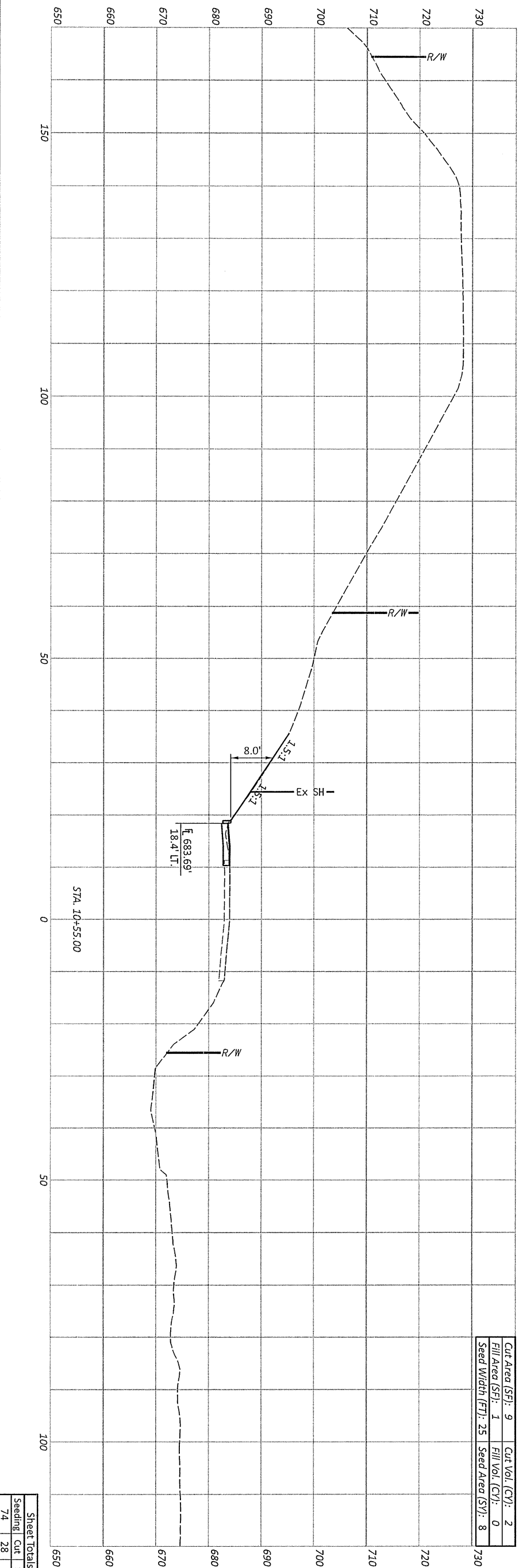
DESIGNER
GPM

REVIEWER

CROSS SECTIONS - S.R. 376
 STA. 10+20 - STA. 10+50

MUS-376-5.09

MODEL: CLP_S376 - 10+55.00 [Sheet] PAPER SIZE: 34x22 (in.) DATE: 6/6/2023 TIME: 7:57:31 AM USER: gmotsche
 pw:\ohiodot-pw.bentley.com\ohiodot-pw-02\Documents\01 Active Projects\District 05\Muskingum\115989\400-Engineering\Roadway\Sheets\115989_X5001.dgn



CROSS SECTIONS - S.R. 376
 STA. 10+55 - STA. 10+75

DESIGN AGENCY:

DESIGNER: GPM

REVIEWER:

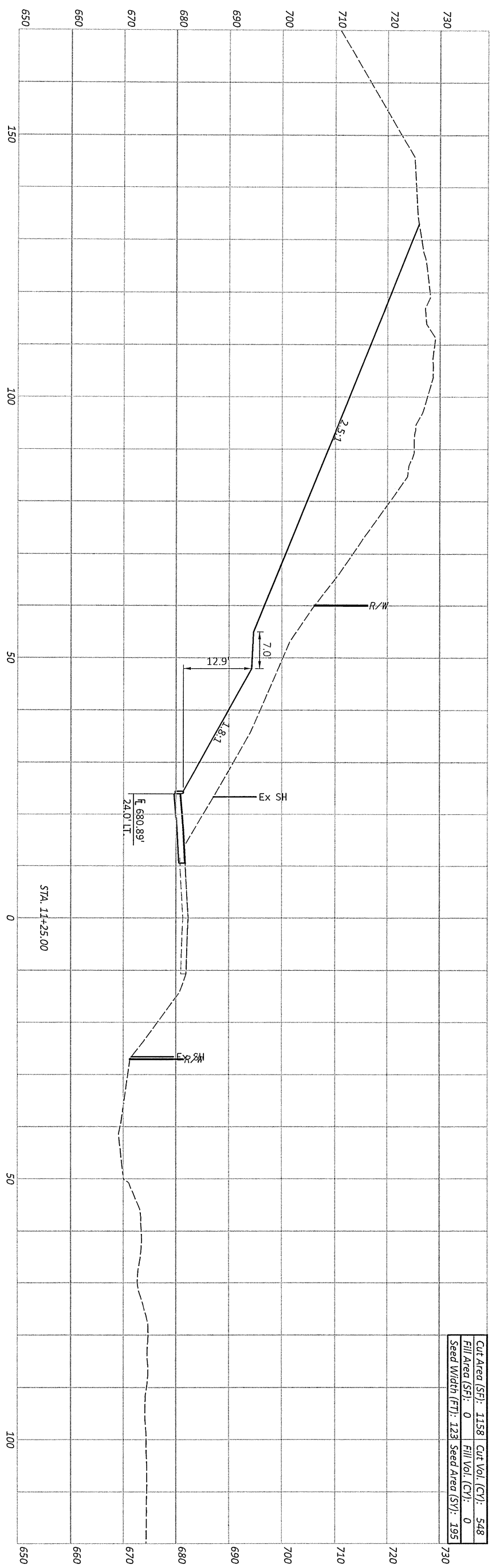
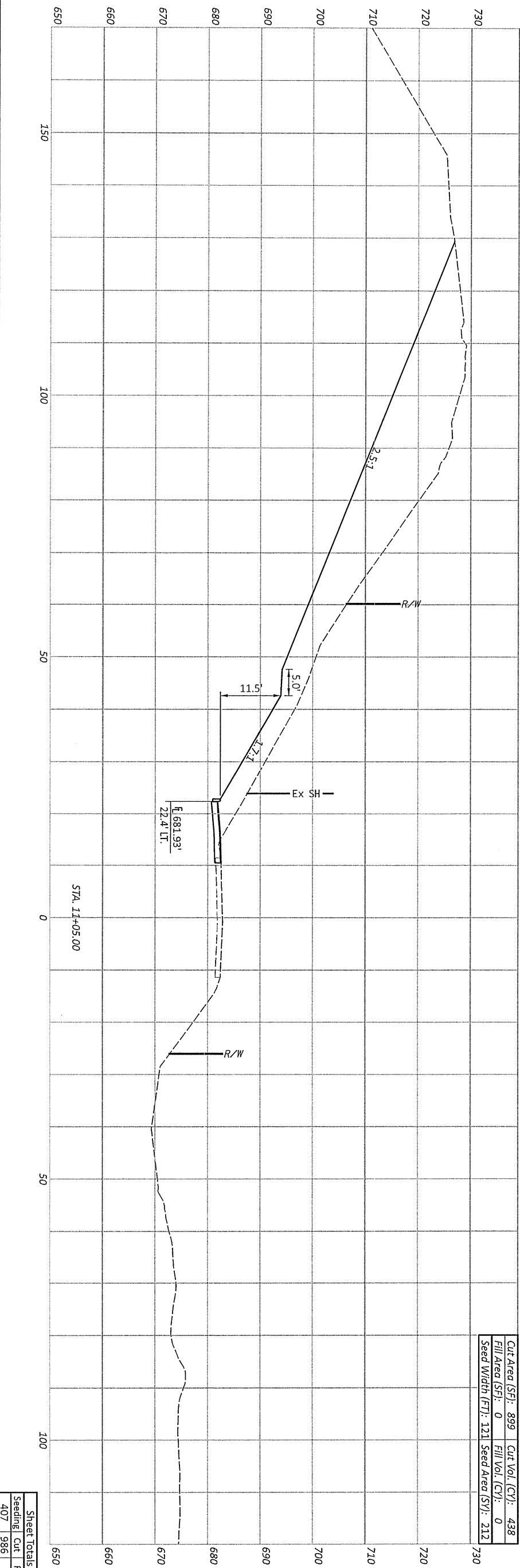
PROJECT ID: 115989

SHEET TOTAL: 28


Sheet Totals: Seeding 74, Cut 28, Fill 0

CTY-RTE-SECTION

MODEL: CLP_5376 - 11+05.00 [Sheet] PAPER SIZE: 34x22 (in.) DATE: 6/6/2023 TIME: 7:57:32 AM USER: gmotsche
 pw:\ohiodot-pw.bentley.com\ohiodot-pw-02\Documents\01 Active Projects\District 05\Muskingum\115989\400-Engineering\Roadway\Sheets\115989_XS001.dgn



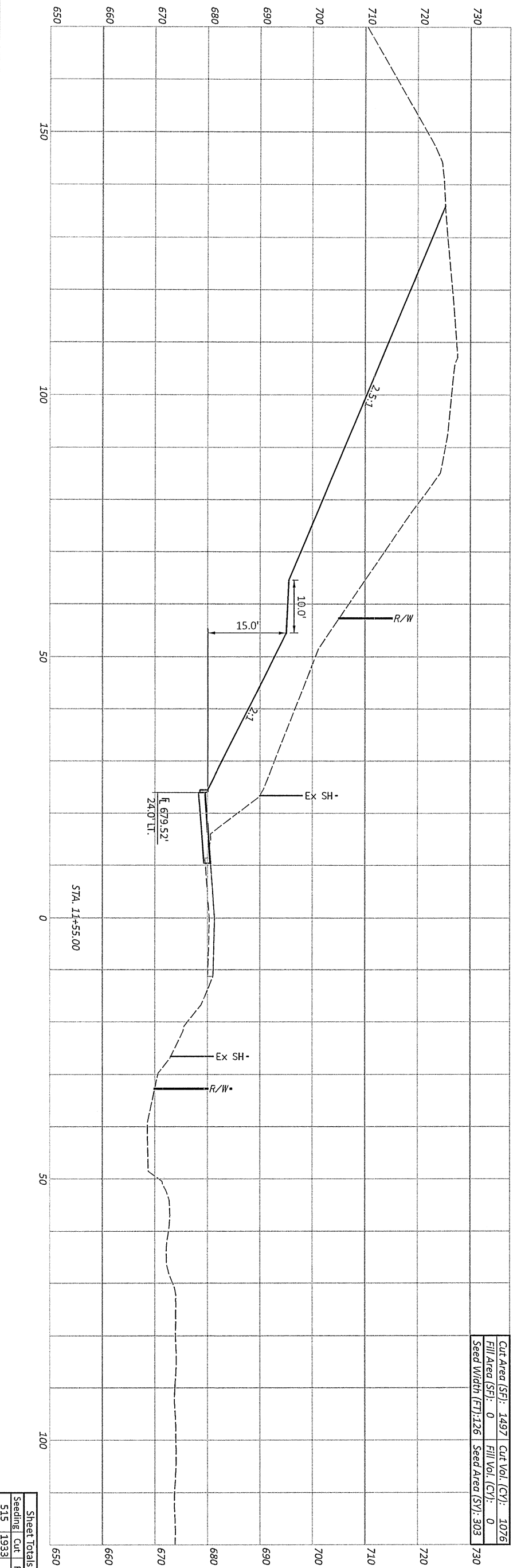
CROSS SECTIONS - S.R. 376
 STA. 11+05 - STA. 11+25

DESIGN AGENCY	
DESIGNER	
REVIEWER	
PROJECT ID	115989
SHEET TOTAL	28
DESIGNER	GPM
REVIEWER	
PROJECT ID	115989
SHEET TOTAL	28
DESIGNER	GPM
REVIEWER	


Sheet Totals	Cut	Fill
Seeding	407	986
	0	0

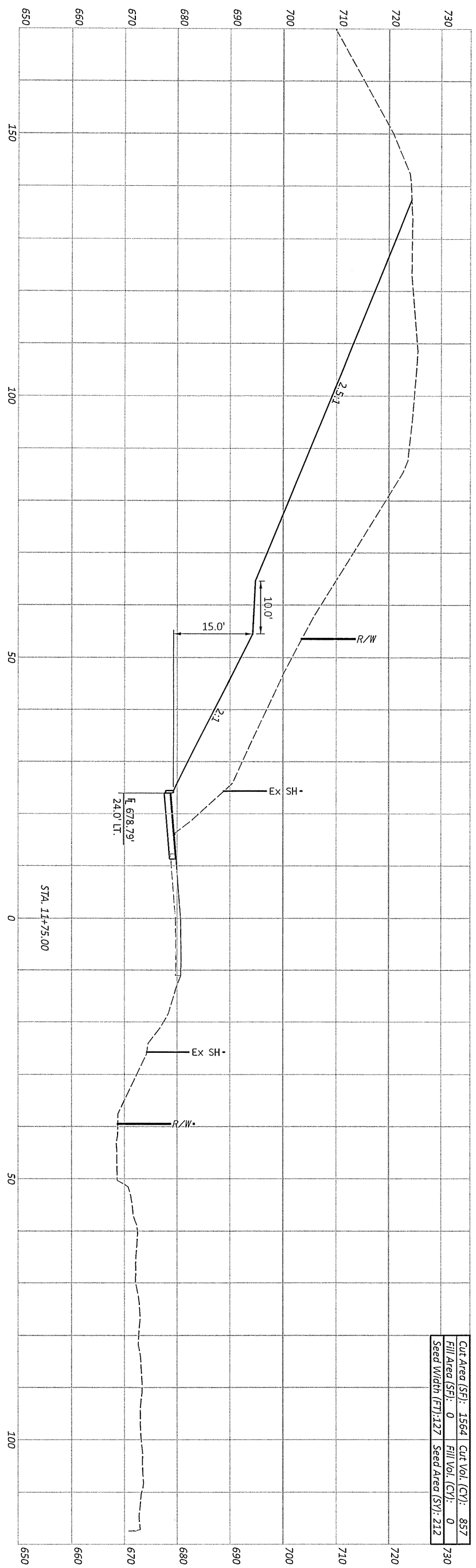
MUS-376-5.09

MODEL: CLP_5376 - 11+55.00 [Sheet] PAPER SIZE: 34x22 (in.) DATE: 6/6/2023 TIME: 7:57:33 AM USER: gmotsche
 pw:\ohiodot-pw.bentley.com\ohiodot-pw-02\Documents\01 Active Projects\District 05\Muskingum\115989\400-Engineering\Roadway\Sheets\115989_X5001.dgn



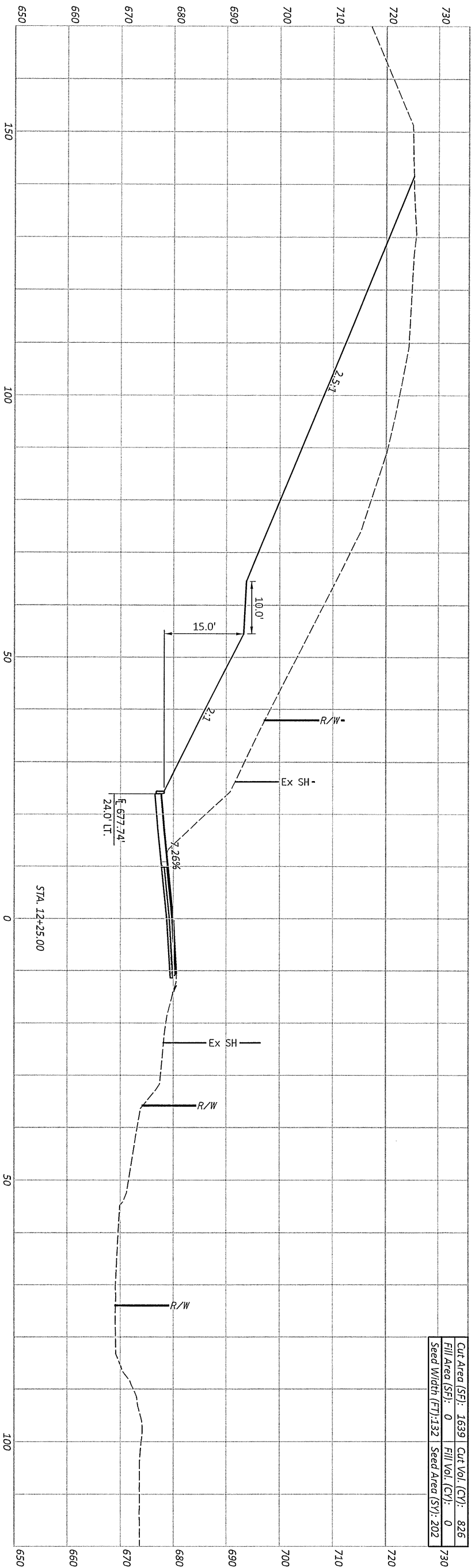
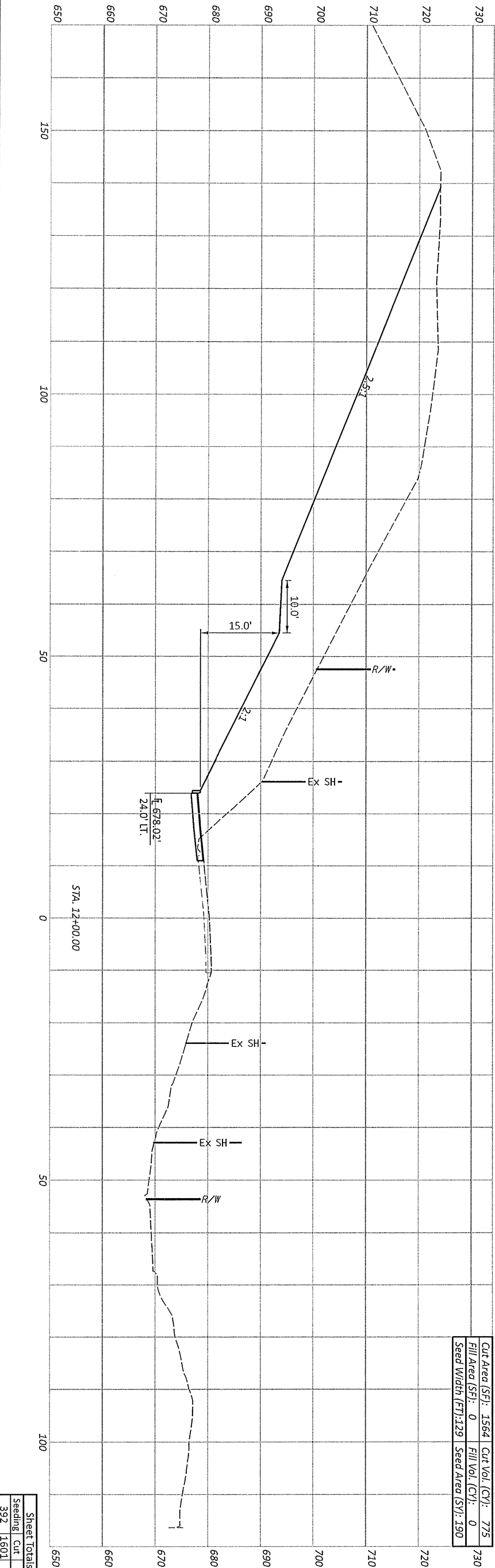
Sheet Totals	
Seeding	0
Cut	515
Fill	1933
SHEET TOTAL	28

DESIGN AGENCY:  PROJECT ID: 115989
 DESIGNER: GPM REVIEWER:
 SHEET: P.19



Sheet Totals	
Seeding	0
Cut	515
Fill	1933
SHEET TOTAL	28


CROSS SECTIONS - S.R. 376
 STA. 11+55 - STA. 11+75



CROSS SECTIONS - S.R. 376
 STA. 12+00 - STA. 12+25

Sheet Totals	115989
Seeding	392
Cut	1601
Fill	0
SHEET TOTAL	28

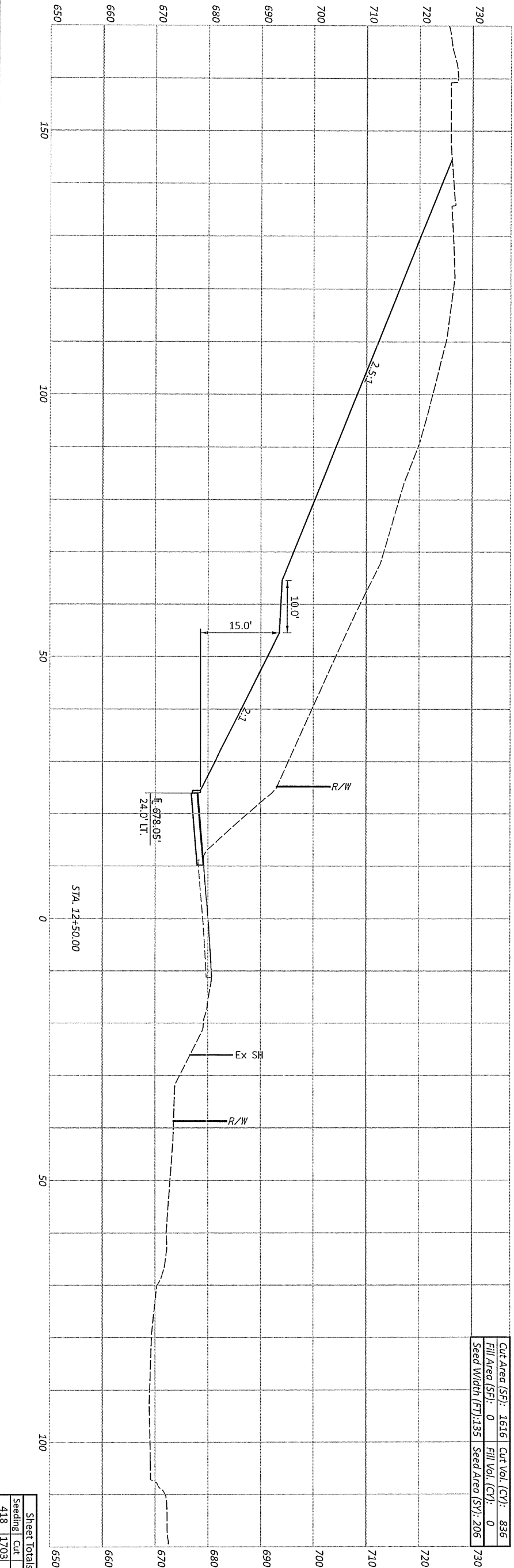
DESIGN AGENCY



DESIGNER: GPM
 REVIEWER:

MUS-376-5.09

MODEL: CLP_5376 - 12+50.00 [Sheet] PAPER SIZE: 34x22 (in.) DATE: 6/6/2023 TIME: 7:57:35 AM USER: gmotsche
 pw:\ohiodot-pw.bentley.com\ohiodot-pw-02\Documents\01 Active Projects\District 05\Muskingum\115989\400-Engineering\Roadway\Sheets\115989_X5001.dgn



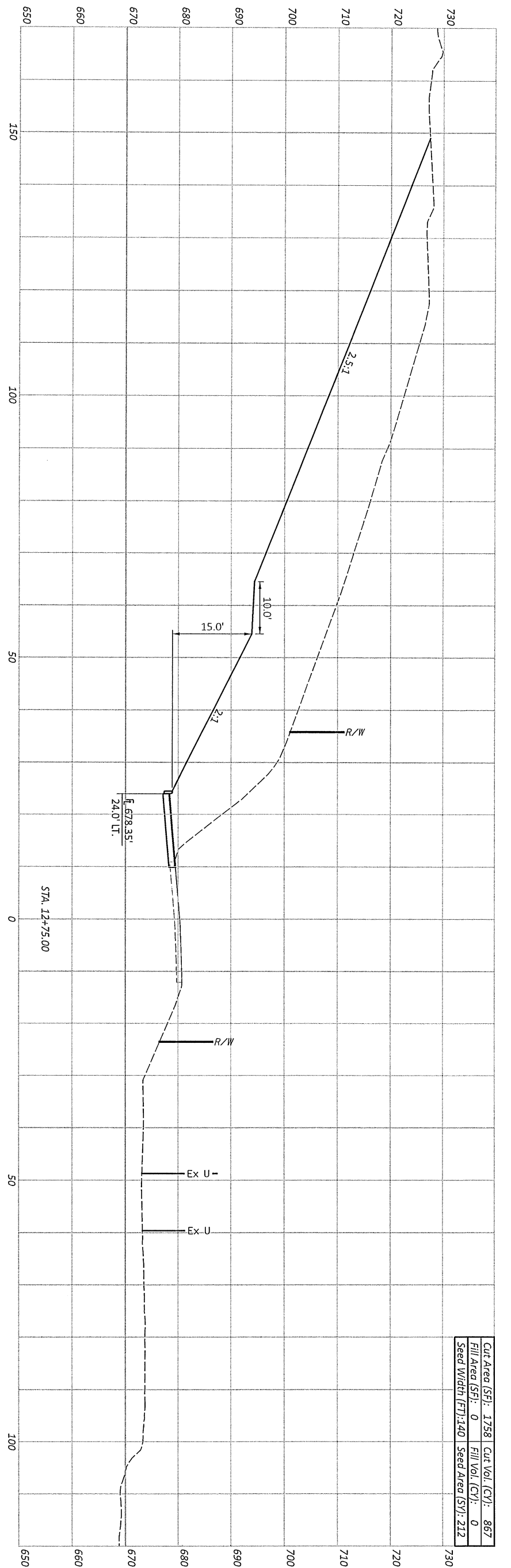
Sheet Totals	
Seeding	418
Cut	1703
Fill	0
SHEET	P. 21
TOTAL	28

DESIGN AGENCY

DESIGNER: GPM

REVIEWER:

PROJECT ID: 115989

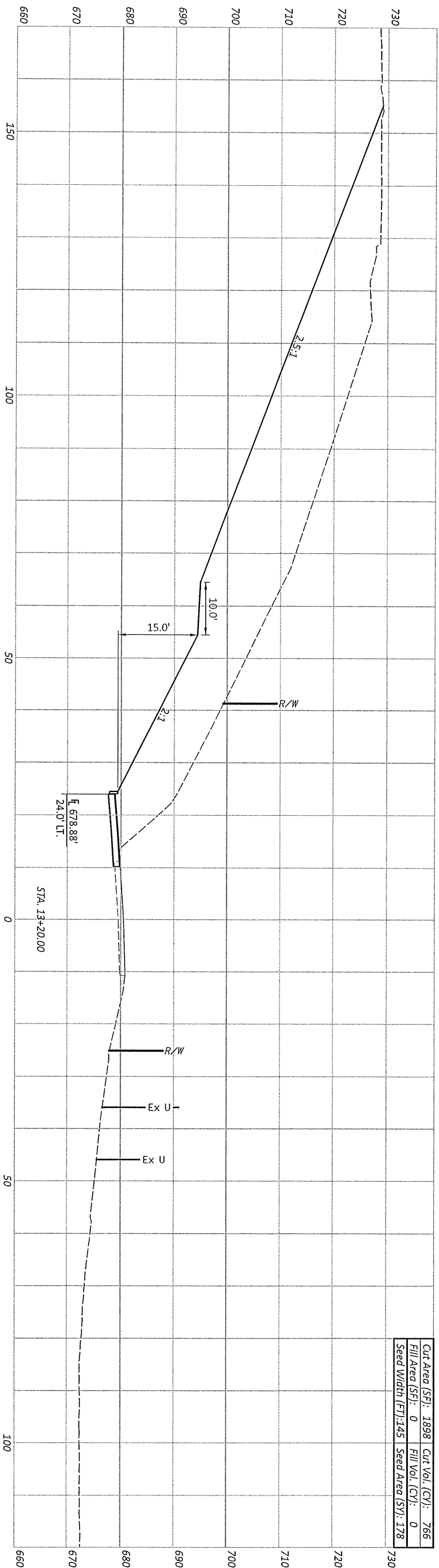


Sheet Totals	
Seeding	418
Cut	1703
Fill	0
SHEET	P. 21
TOTAL	28

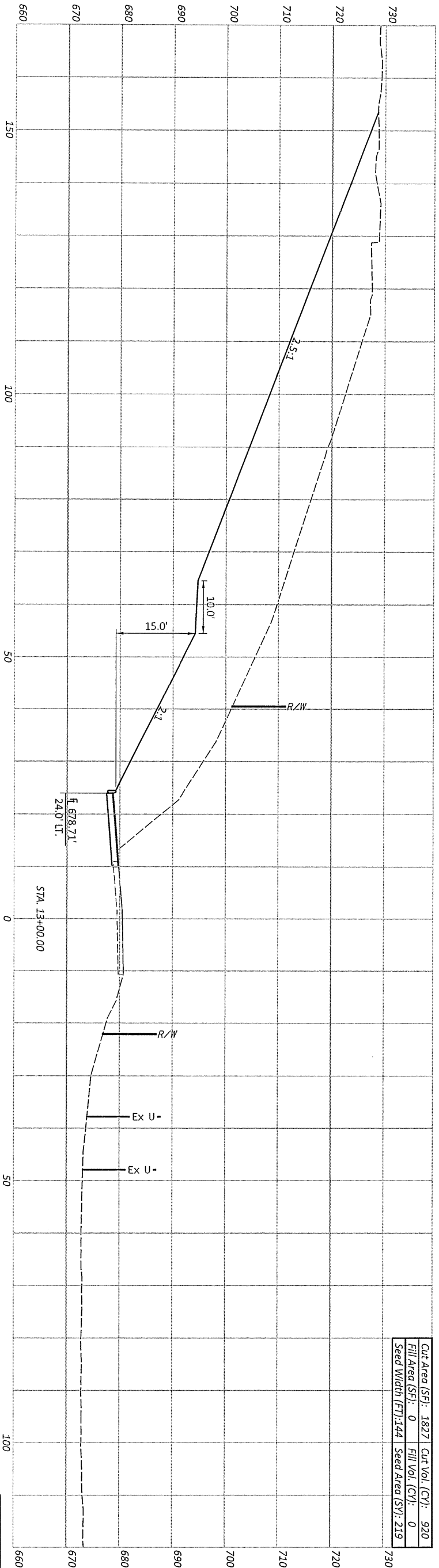
CROSS SECTIONS - S.R. 376
 STA. 12+50 - STA. 12+75

MUS-376-5.09

MODEL: CLP_5376 - 13+00.00 [Sheet] PAPER SIZE: 34x22 (in.) DATE: 6/6/2023 TIME: 7:57:35 AM USER: gmotsche
 pw:\ohiodot-pw.bentley.com\ohiodot-pw-02\Documents\01 Active Projects\District 05\Muskingum\115989\400-Engineering\Roadway\Sheets\115989_X5001.dgn



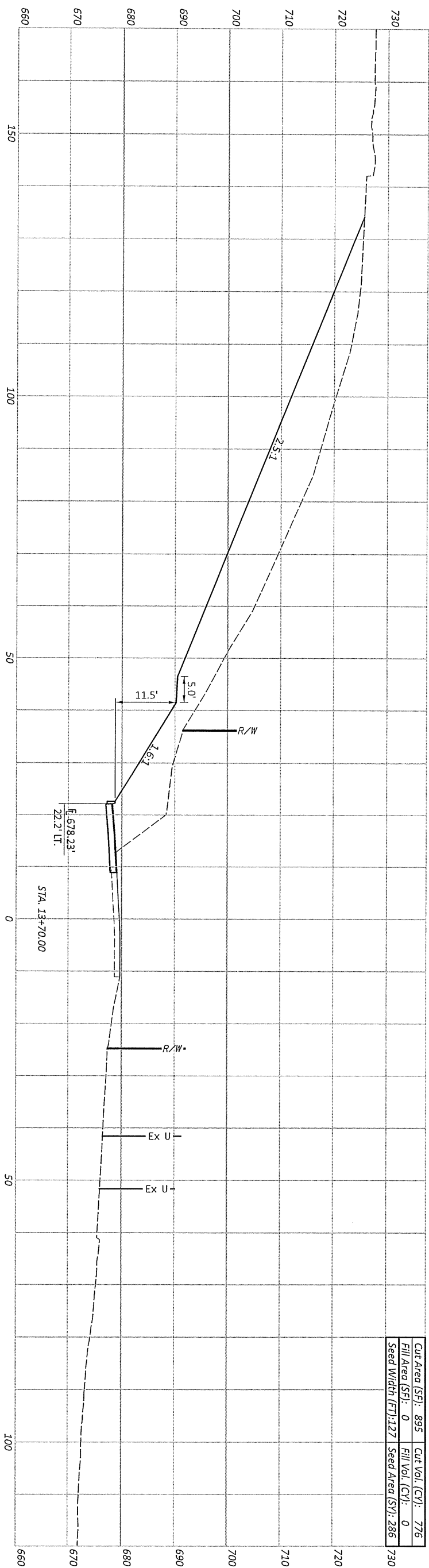
CROSS SECTIONS - S.R. 376
 STA. 13+00 - STA. 13+20



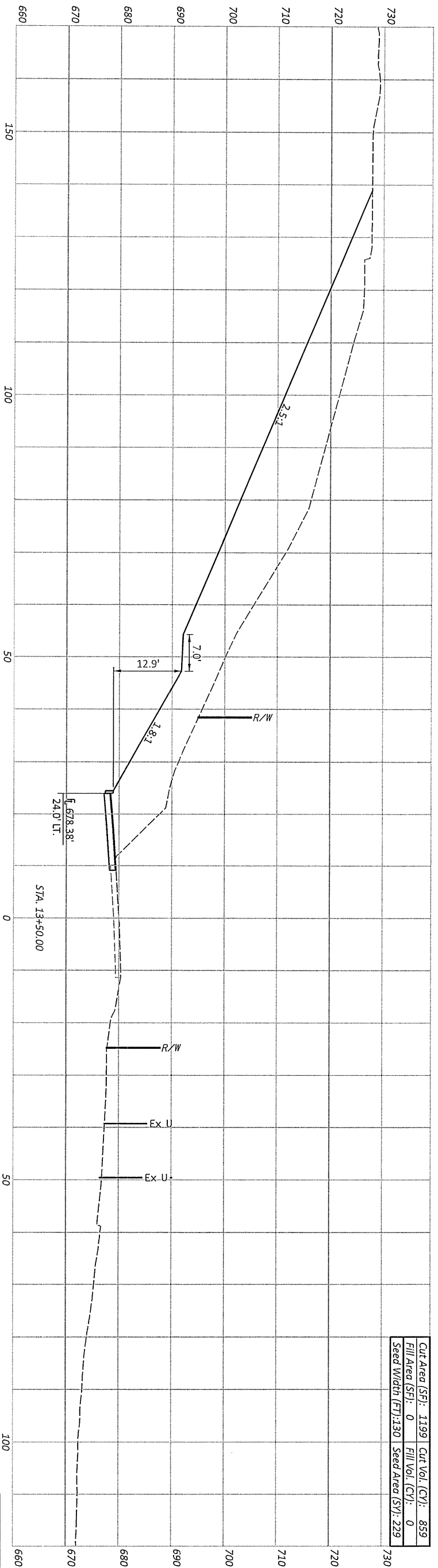
PROJECT ID	115989
DESIGNER	GPM
REVIEWER	
DESIGN AGENCY	



SHEET TOTAL	28
CUT	397
FILL	1686
TOTAL	0

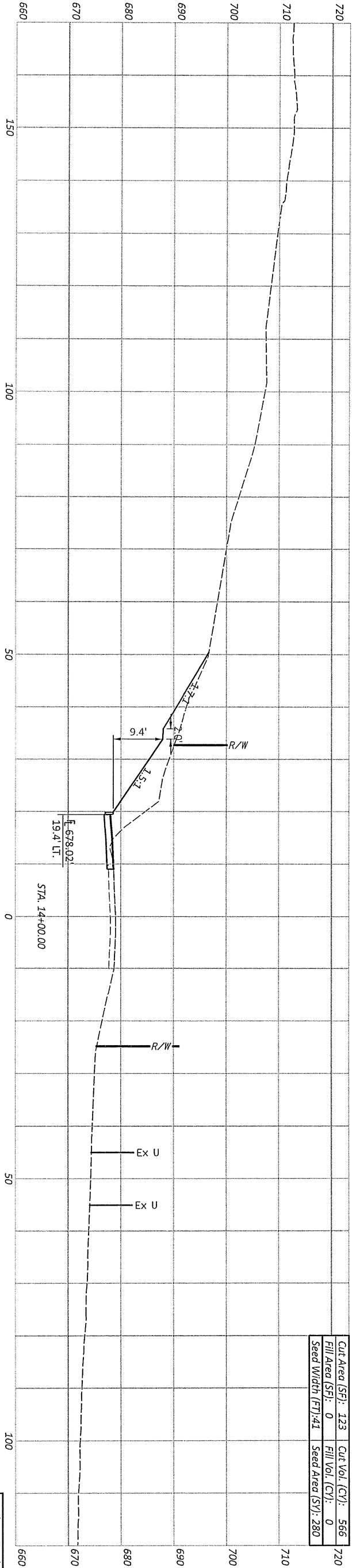
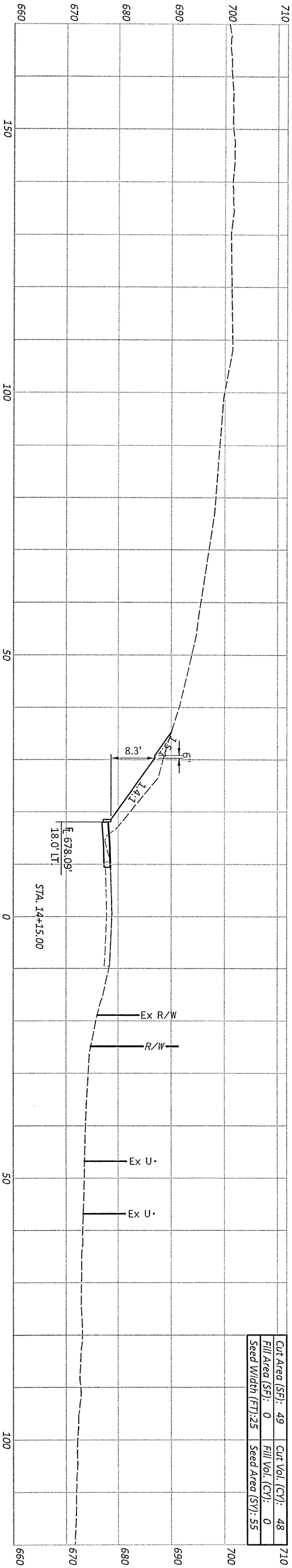
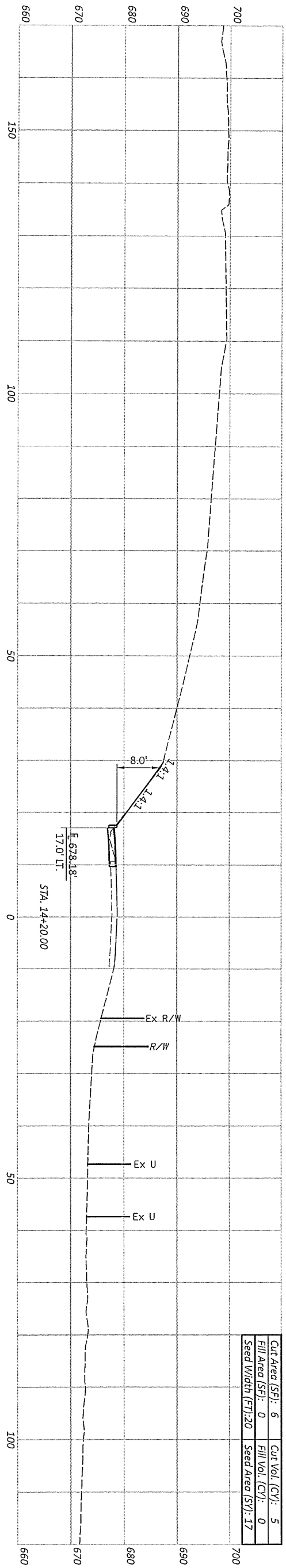


CROSS SECTIONS - S.R. 376
 STA. 13+50 - STA. 13+70



Sheet Totals	
Seeding	515
Cut	1635
Fill	0

PROJECT ID	115989
DESIGNER	GPM
REVIEWER	
DESIGN AGENCY	
SHEET	P.23
TOTAL	28



CROSS SECTIONS - S.R. 376
 STA. 14+00 - STA. 14+20

DESIGN AGENCY	PROJECT ID	115989
DESIGNER	SHEET	28
GPM	TOTAL	28
REVIEWER	P.24	0

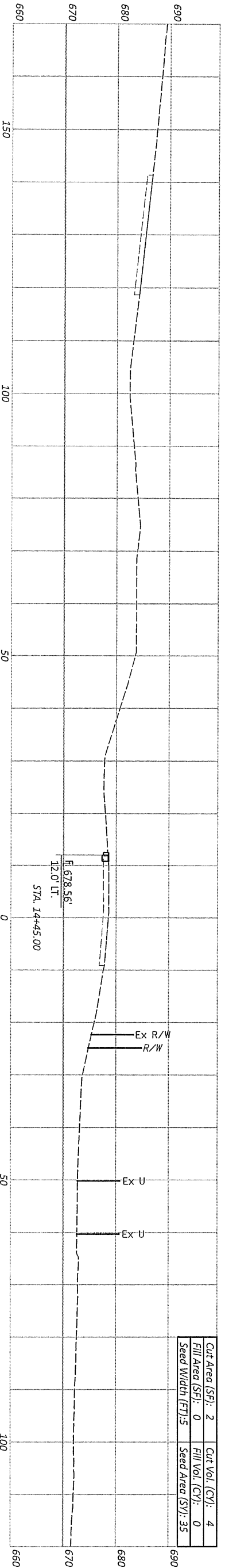
Sheet Totals	Seeding	Cut	Fill
352	619	0	0



EARTHWORK CORRECTIONS DUE TO ROADWAY CURVATURE									
STA.	CENTROID GRADING (FT)	CURVE RADIUS (FT)	CORRECTED RADIUS(FT)	ALIGNMENT FACTOR	CORRECTED ARC LENGTH (FT)	CUT AREA (SF)	SEEDING WIDTH (FT)	CORRECTED CUT VOLUME (CY)	CORRECTED SEED AREA (SY)
10+75	17.0	211.64	-	-	-	62	34	-	-
11+05	58.9	211.64	123.69	0.82069	24.62	899	121	438	212
11+25	59.9	211.64	152.24	0.71933	14.39	1158	123	548	195
11+55	54.5	211.64	154.44	0.72973	21.89	1497	126	1076	303
11+75	48.9	211.64	159.94	0.75572	15.11	1564	127	857	212
12+00	44.0	100.00	53.55	0.53550	13.39	1564	129	775	190
12+25	44.6	100.00	55.70	0.55700	13.93	1639	132	826	202
12+50	44.4	100.00	55.50	0.55500	13.88	1616	135	836	206
12+75	44.6	100.00	55.50	0.55500	13.88	1758	140	867	212
13+00	44.5	100.00	55.45	0.55450	13.86	1827	144	920	219
13+20	44.4	100.00	55.55	0.55550	11.11	1898	145	766	178
13+50	55.8	100.00	49.90	0.49900	14.97	1199	130	859	229

EARTHWORK TOTALS			
SHEET	CUT (CY)	FILL (CY)	SEEDING (SY)
12	6	0	17
13	28	0	74
14	986	0	407
15	1933	0	515
16	1601	0	392
17	1703	0	418
18	1686	0	397
19	1635	0	515
20	619	0	352
21	4	0	35
TOTALS	10201	0	3122

QUANTITIES CARRIED TO SHEET 5



CROSS SECTIONS - S.R. 376
 STA. 14+45



DESIGN AGENCY

DESIGNER

GPM

REVIEWER

PROJECT ID

115989

SHEET TOTAL

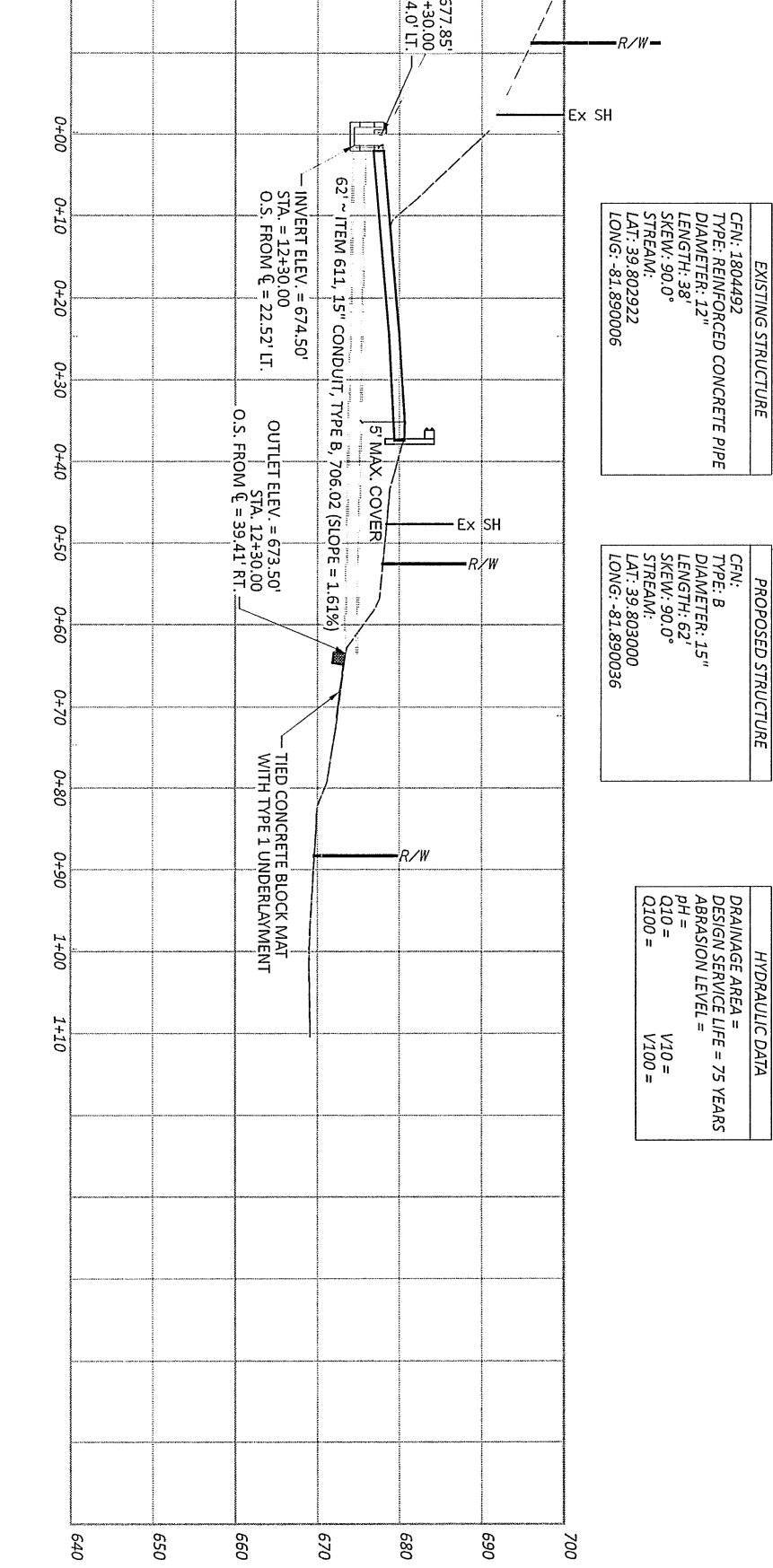
P 25

28

Sheet Totals			
Seeding	Cut	Fill	Total
35	4	0	28

ITEM	QUANTITY	UNIT	DESCRIPTION
202	38	FT	FILL AND PLUG EXISTING CONDUIT - 12"
601	7	SY	TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT
611	62	FT	15" CONDUIT, TYPE B-706.02
611	1	EACH	CATCH BASIN, NO. 3A

TOTALS CARRIED TO GENERAL SUMMARY

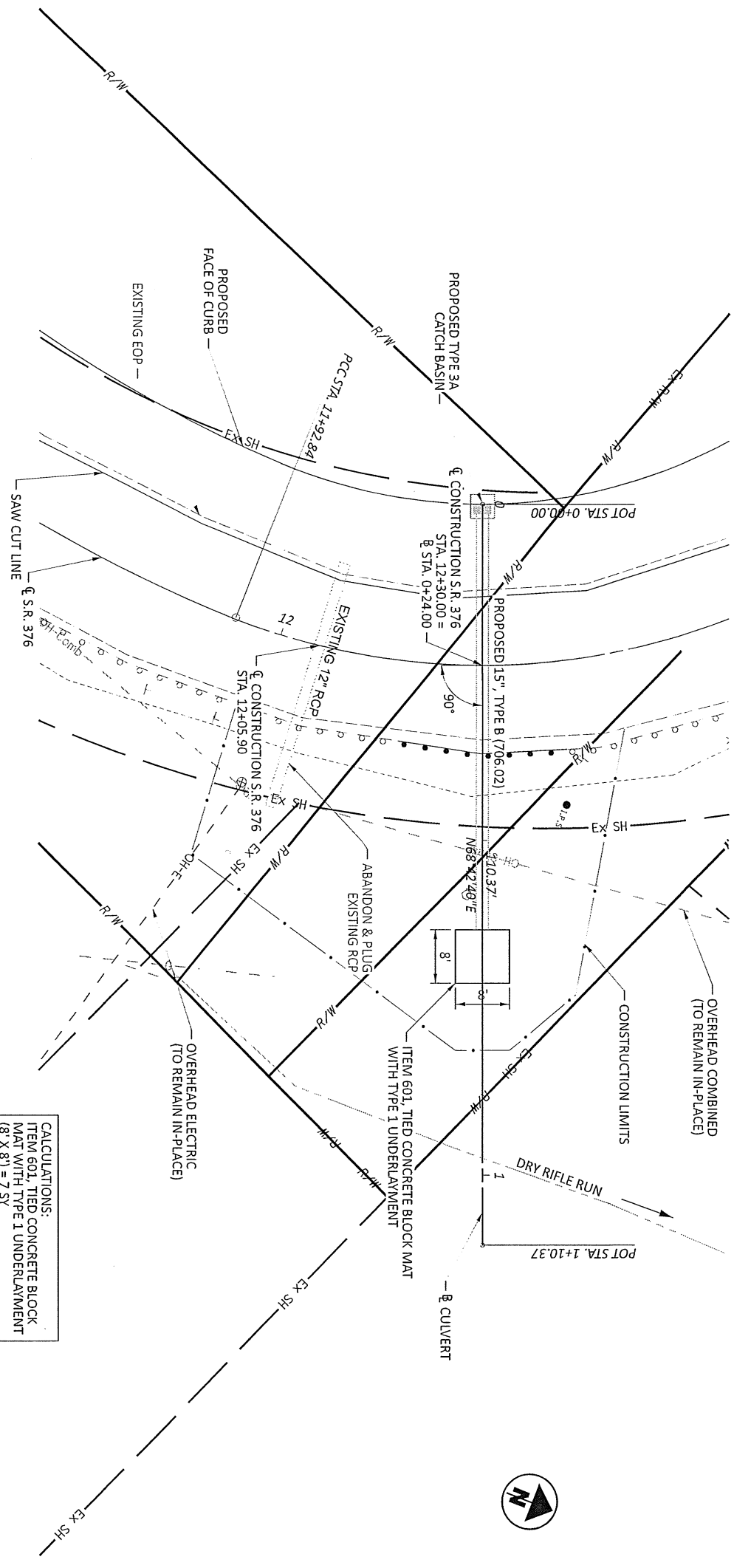


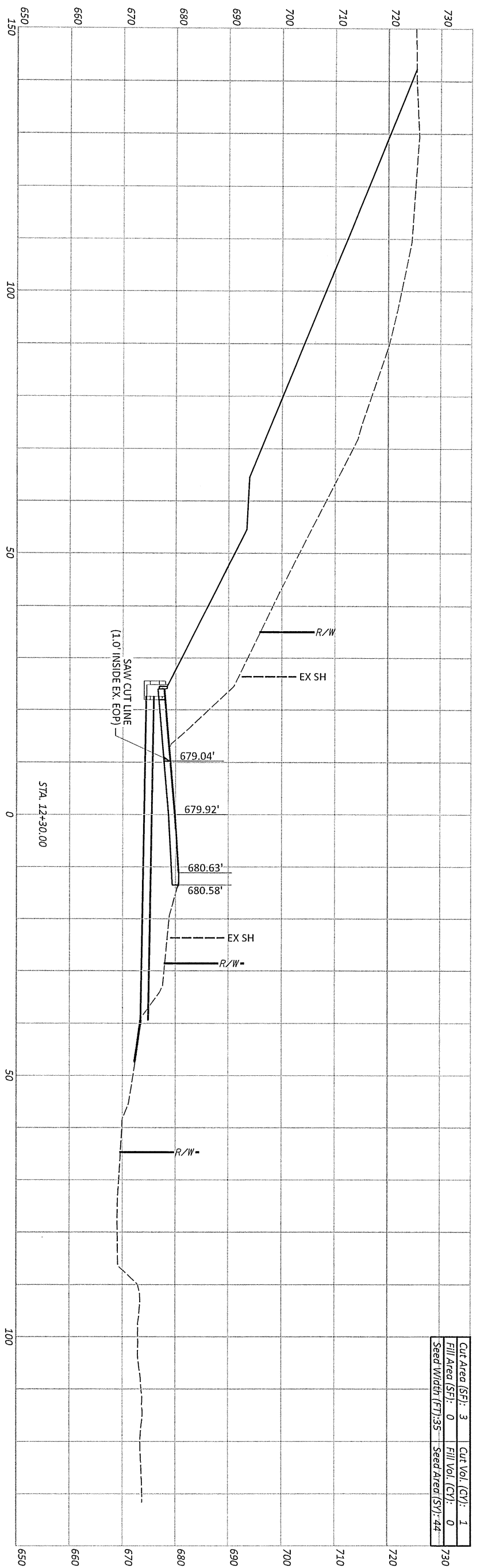
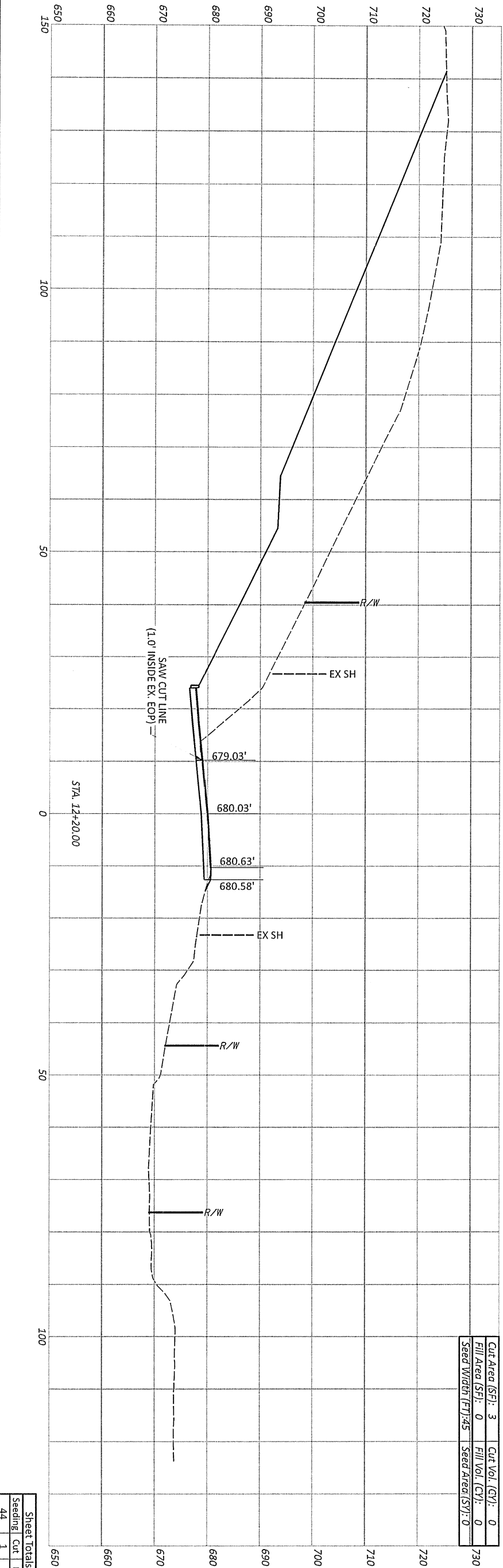
EXISTING STRUCTURE
 CEN: 1804492
 TYPE: REINFORCED CONCRETE PIPE
 DIAMETER: 12"
 LENGTH: 38'
 SKEW: 90.0°
 STREAM:
 LAT: 39.802922
 LONG: -81.890006

PROPOSED STRUCTURE
 CEN: 1804492
 TYPE: B
 DIAMETER: 15"
 LENGTH: 62'
 SKEW: 90.0°
 STREAM:
 LAT: 39.803000
 LONG: -81.890036

HYDRAULIC DATA
 DRAINAGE AREA =
 DESIGN SERVICE LIFE = 75 YEARS
 ABRASION LEVEL =
 PH =
 Q10 =
 Q100 =
 V10 =
 V100 =

CALCULATIONS:
 ITEM 601, TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT
 (8' X 8') = 7 SY

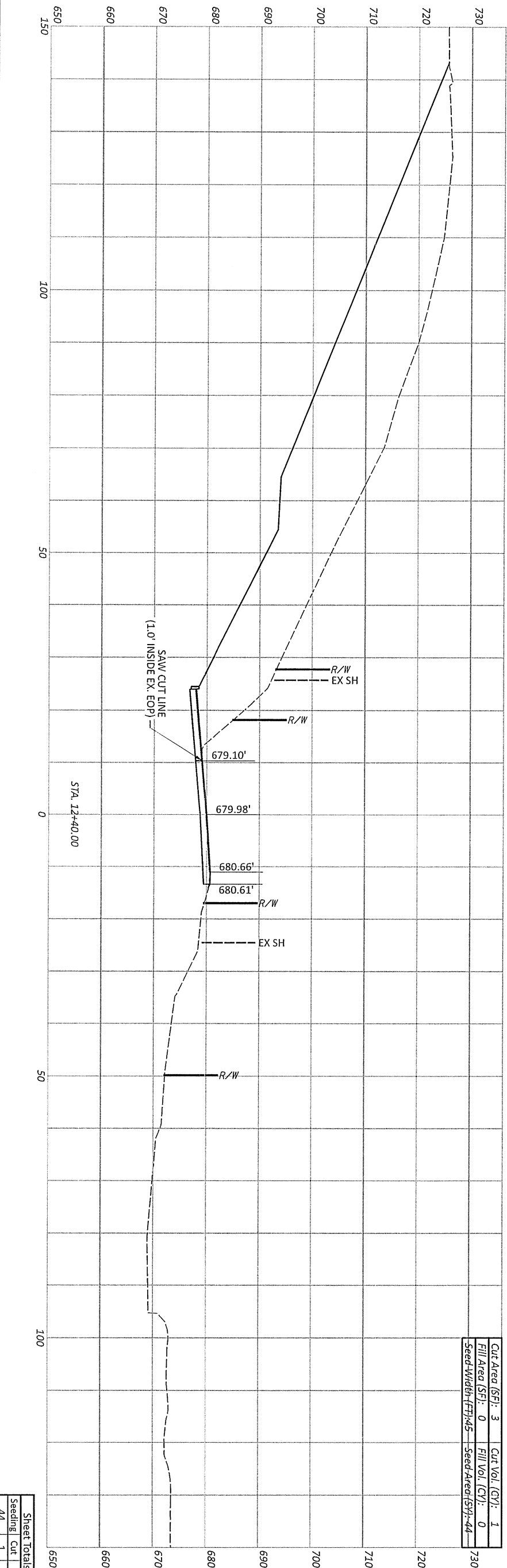




CROSS SECTIONS FOR CULVERT INSTALLATION - S.R. 376
 STA. 12+20 - STA. 12+30



DESIGN AGENCY	DESIGNER	PROJECT ID
	GPM	115989
	REVIEWER	SHEET TOTAL
		44 / 28



EARTHWORK TOTALS			
SHEET	CUT (CY)	FILL (CY)	SEEDING (SY)
27	1	0	44
28	1	0	44
TOTALS	2	0	88

QUANTITIES CARRIED TO SHEET 5

Cut Area (SF): 3	Fill Area (SF): 0	Seed Area (SF): 44	Cut Vol. (CY): 1	Fill Vol. (CY): 0	Seed Area (SF): 44
------------------	-------------------	--------------------	------------------	-------------------	--------------------

Sheet Totals	115989
Seeding	44
Cut	1
Fill	0
SHEET TOTAL	28



DESIGN AGENCY

DESIGNER

GPM

REVIEWER

CROSS SECTIONS FOR CULVERT INSTALLATION - S.R. 376
 STA. 12+40