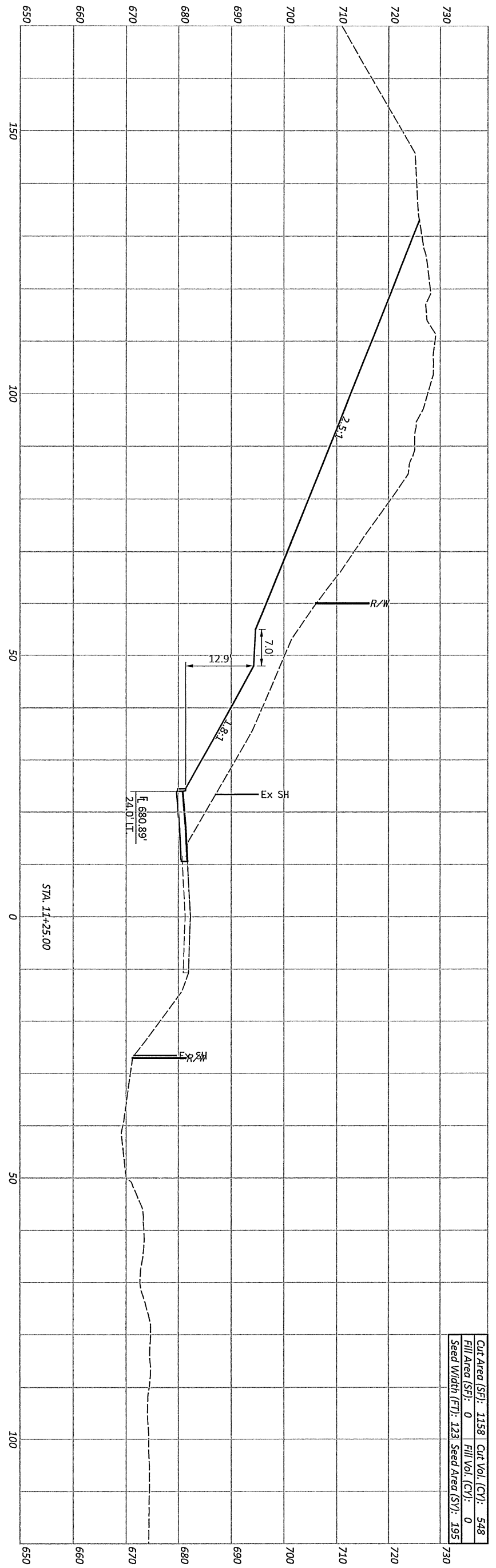
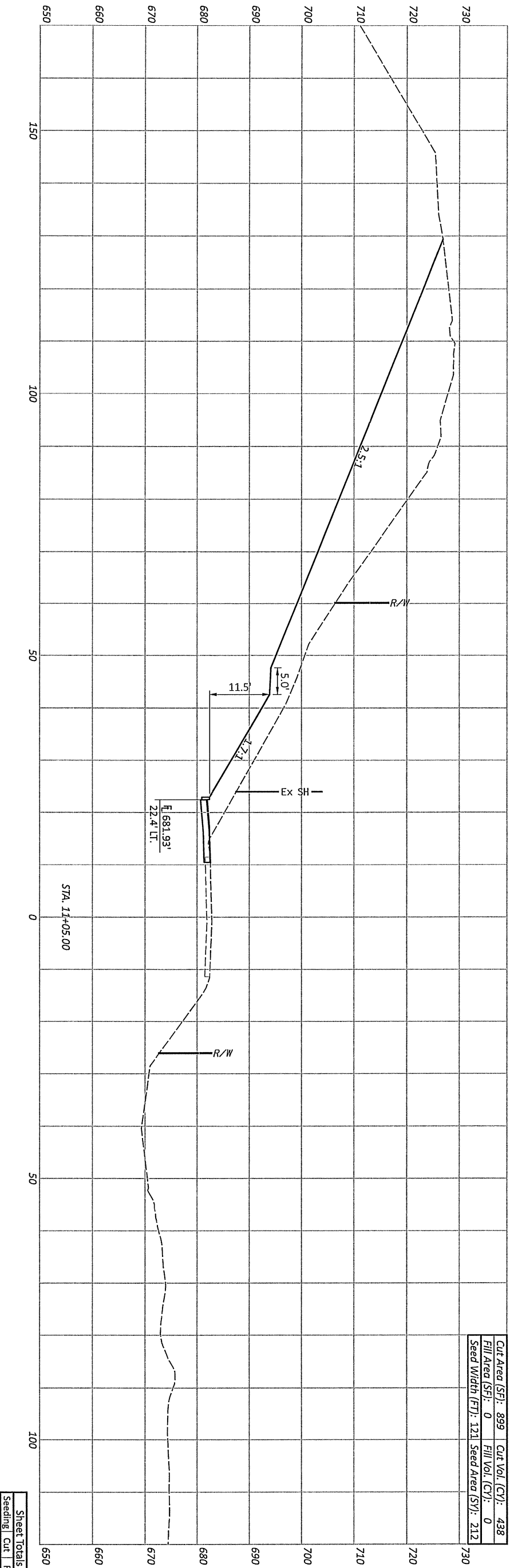


CTY-RTE-SECTION

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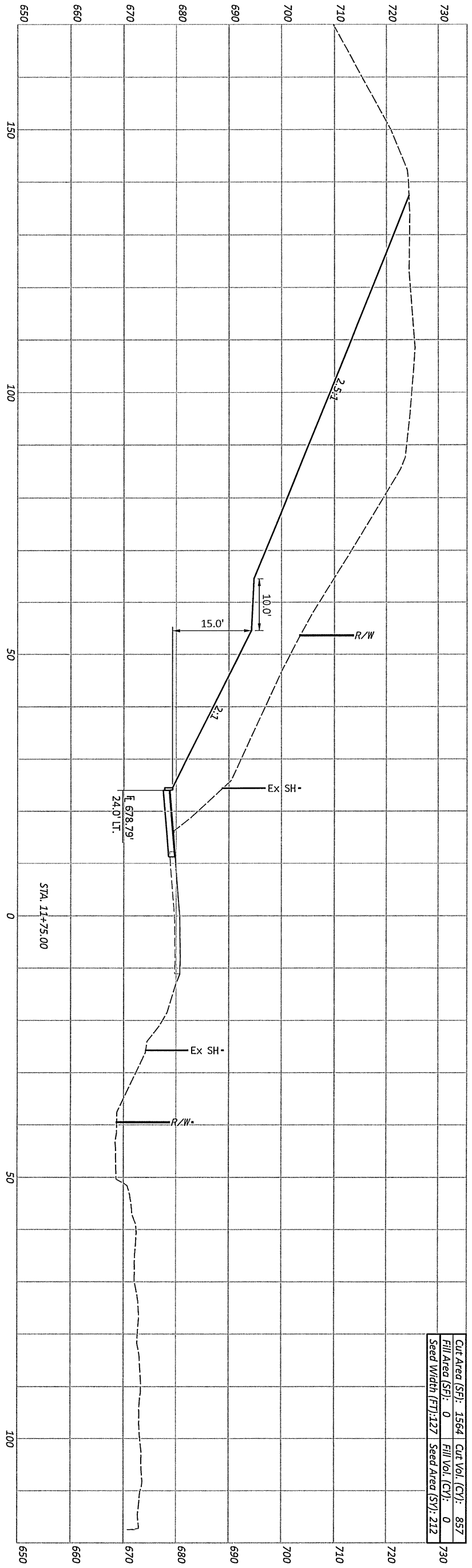
CROSS SECTIONS - S.R. 376
 STA. 11+05 - STA. 11+25

DESIGN AGENCY	
PROJECT ID	
DESIGNER	GPM
REVIEWER	
SHEET TOTAL	28
SHEET	P.18

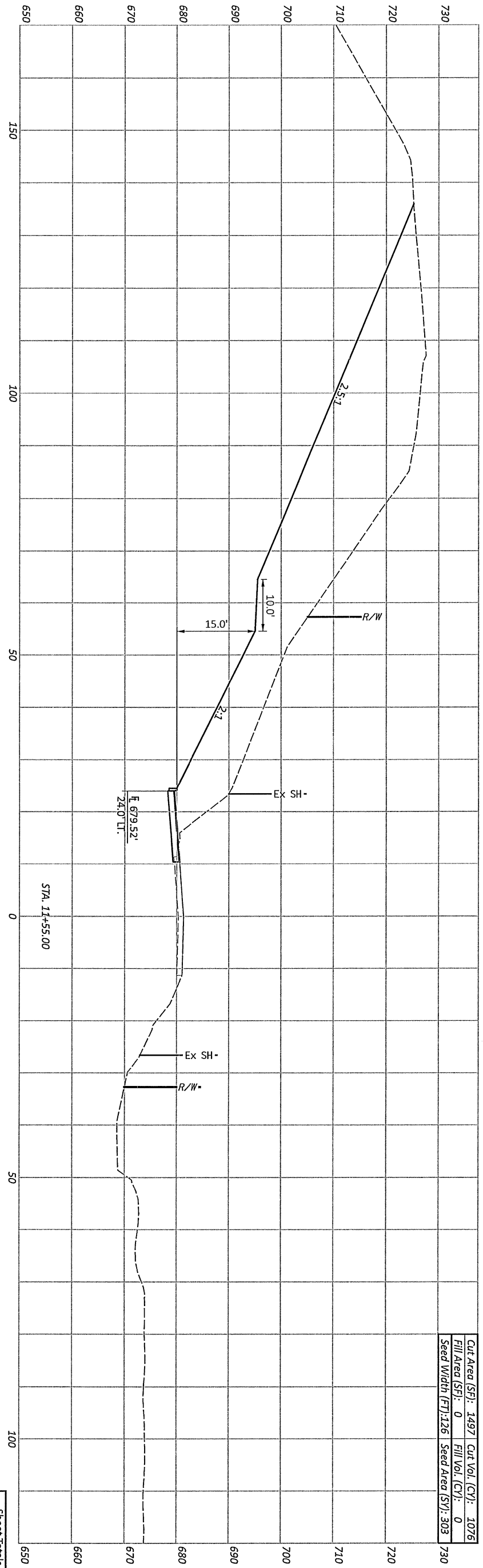
Sheet Totals	407
Seeding	986
Cut	0
Fill	0

MUS-376-5.09

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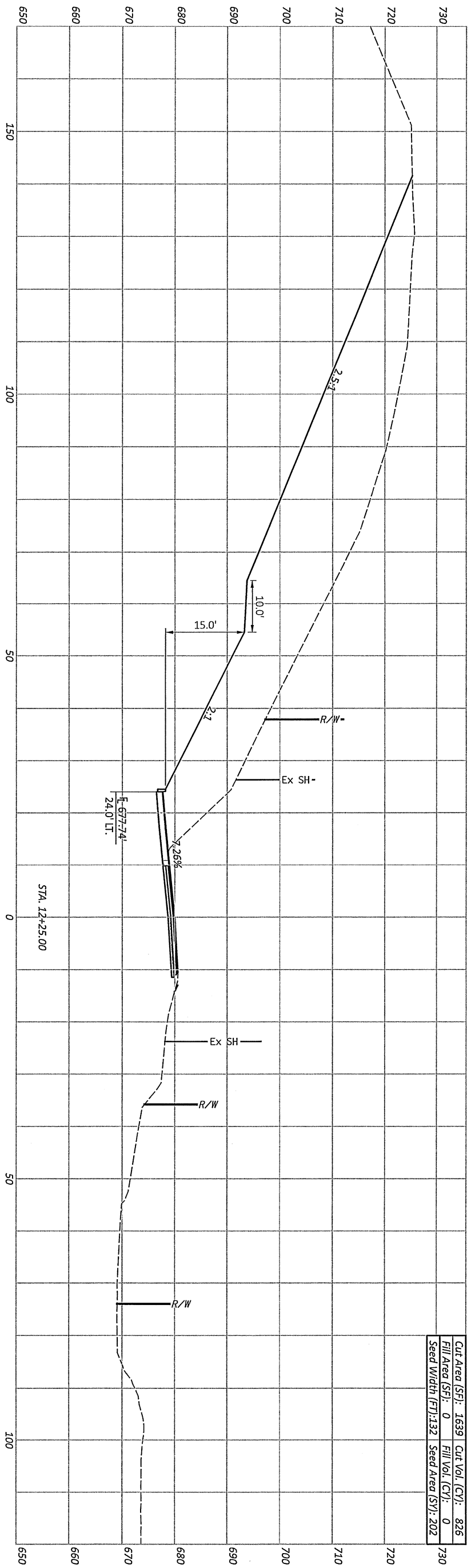
CROSS SECTIONS - S.R. 376
 STA. 11+55 - STA. 11+75



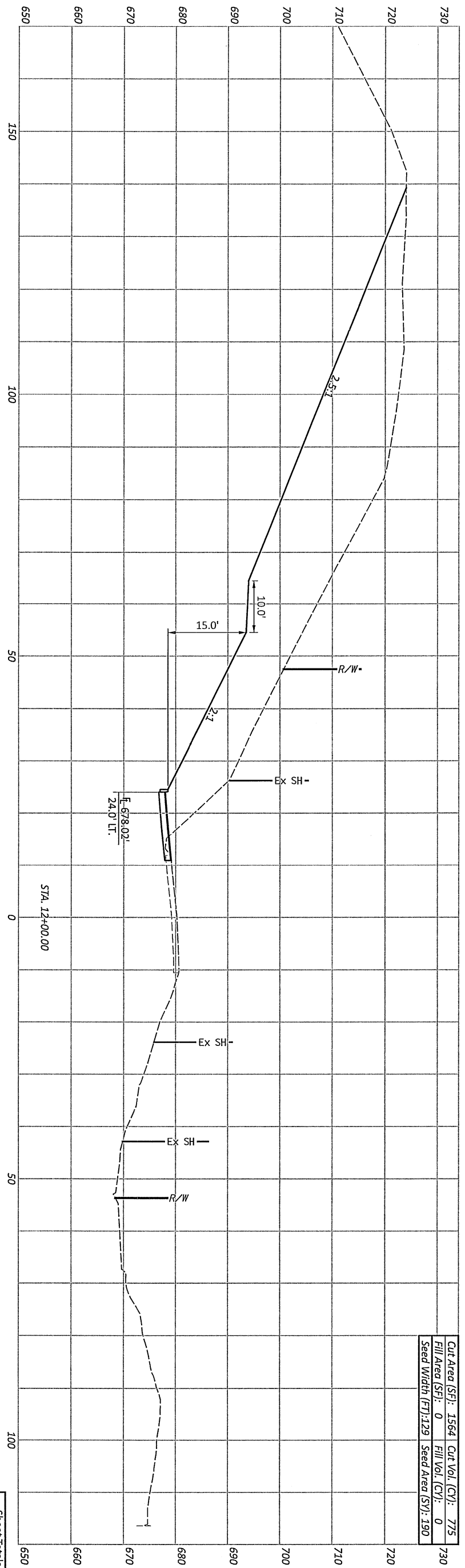
DESIGN AGENCY	PROJECT ID	DESIGNER	SHEET TOTAL
	115989	GPM	515 1933
		REVIEWER	0
			0

MUS-376-5.09

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Cut Area (SF):	1639	Cut Vol. (CY):	826
Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	132	Seed Area (SY):	202



Cut Area (SF):	1564	Cut Vol. (CY):	775
Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	129	Seed Area (SY):	190

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

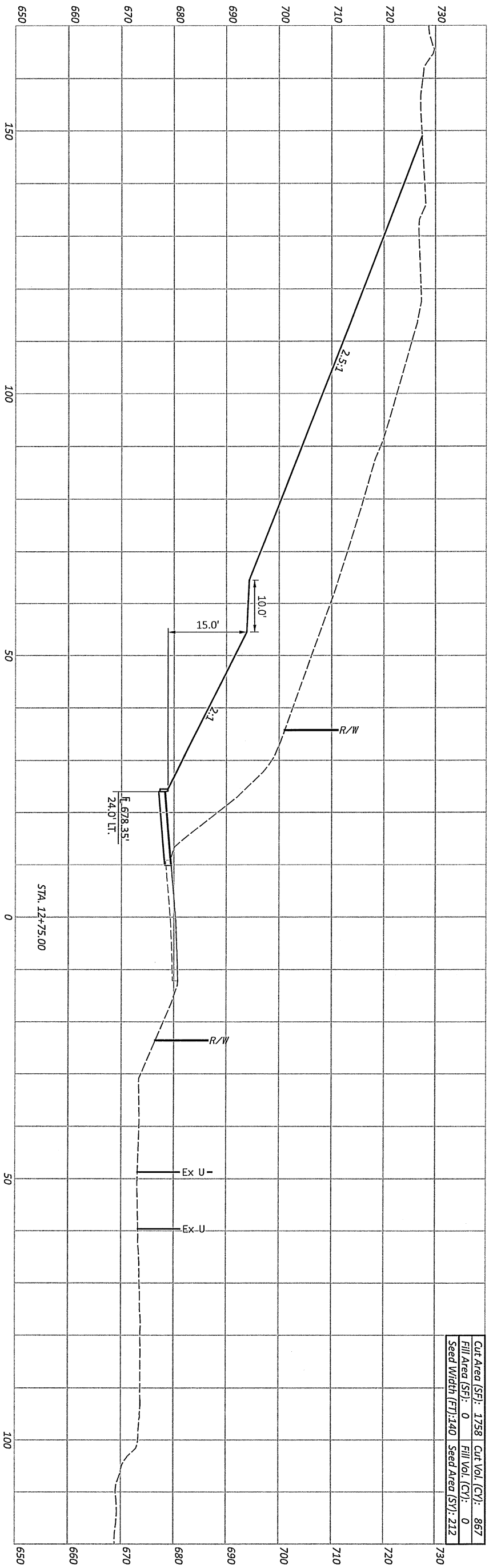


DESIGN AGENCY	DESIGNER	PROJECT ID
	GPM	115989
	REVIEWER	SHEET TOTAL
		P.20 28

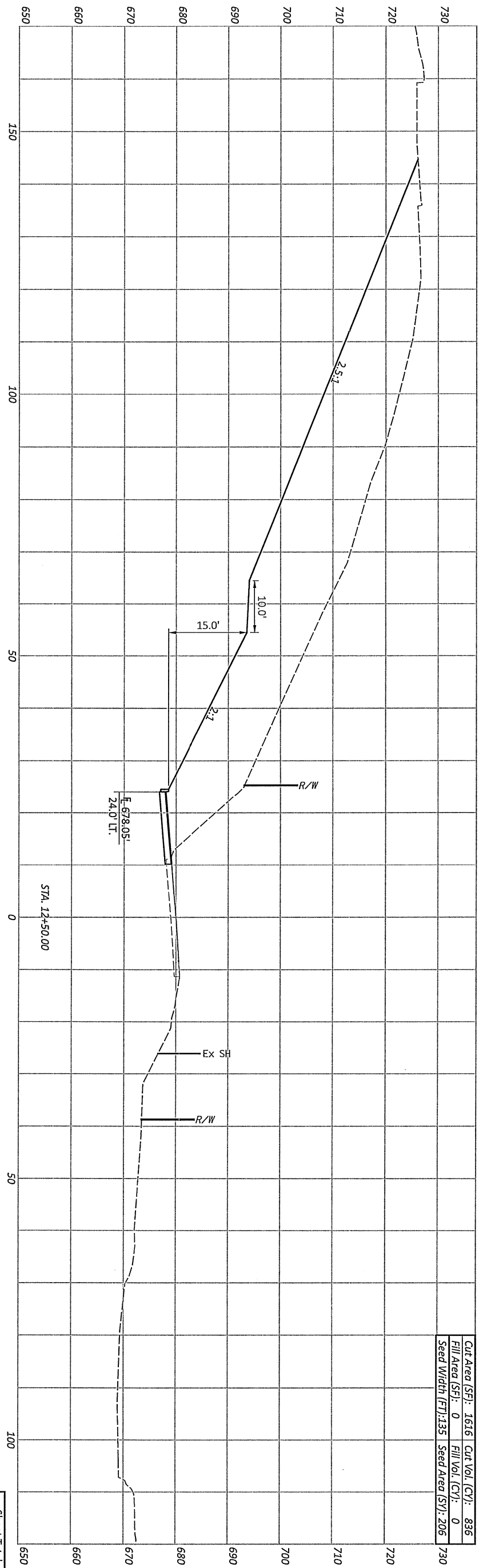
Sheet Totals			
Seeding	Cut	Fill	TOTAL
392	1601	0	

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



PROJECT ID	115989
DESIGN AGENCY	GPM
DESIGNER	REVIEWER
GP	

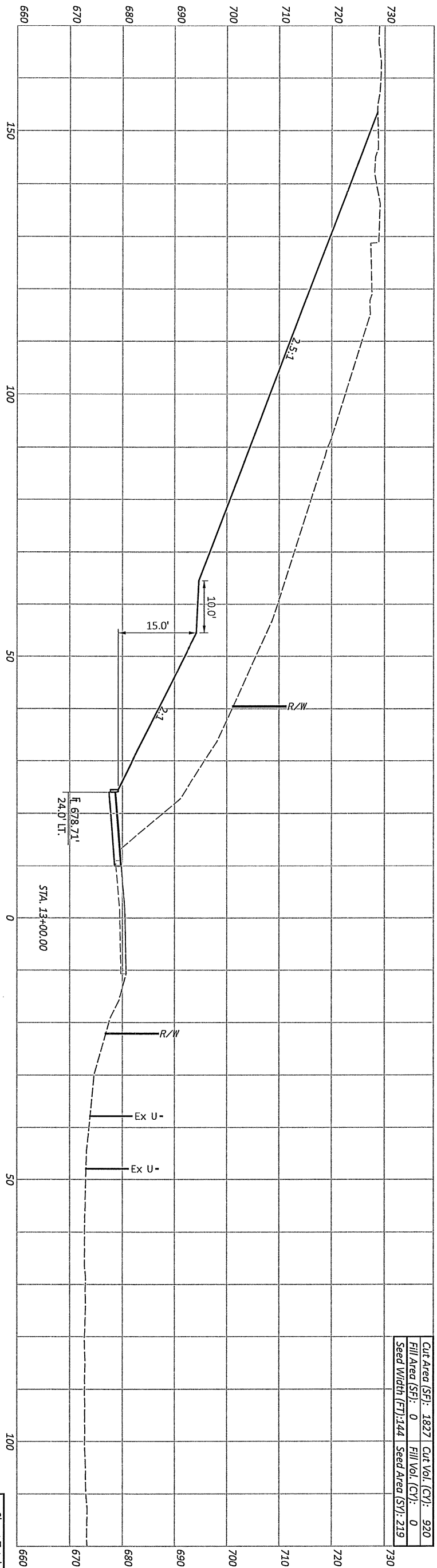
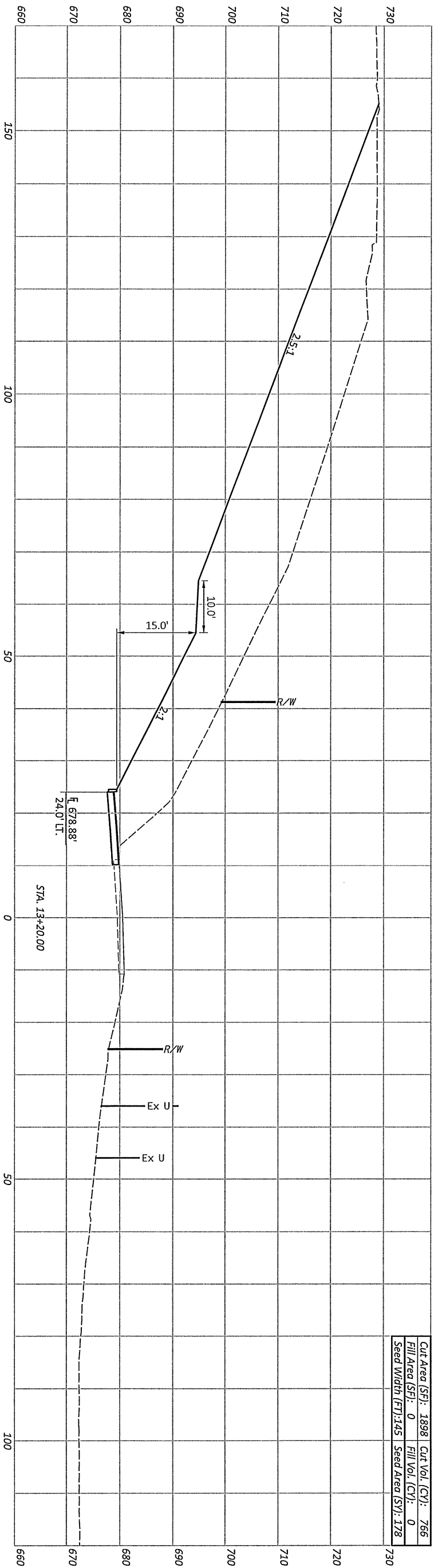
Sheet Totals	Seeding	Cut	Fill
418	1703	0	0

SHEET	TOTAL
P. 21	28



MUS-376-5.09

MODEL: CLP_S376 - 13+00.00 [Sheet] PAPER SIZE: 34x22 (in.) DATE: 6/6/2023 TIME: 7:57:35 AM USER: gmotsche
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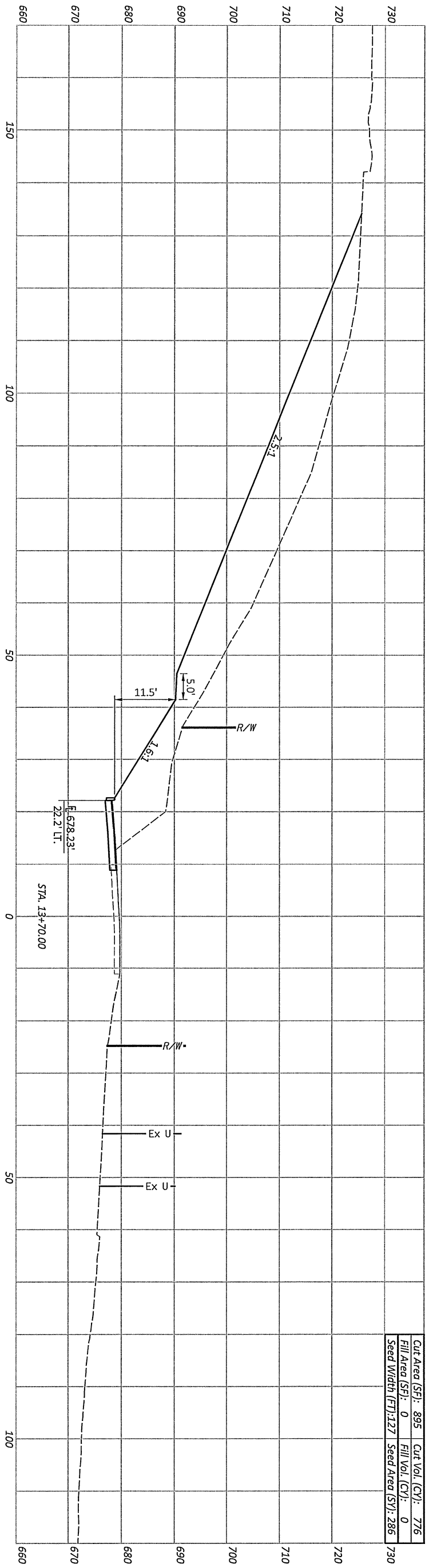
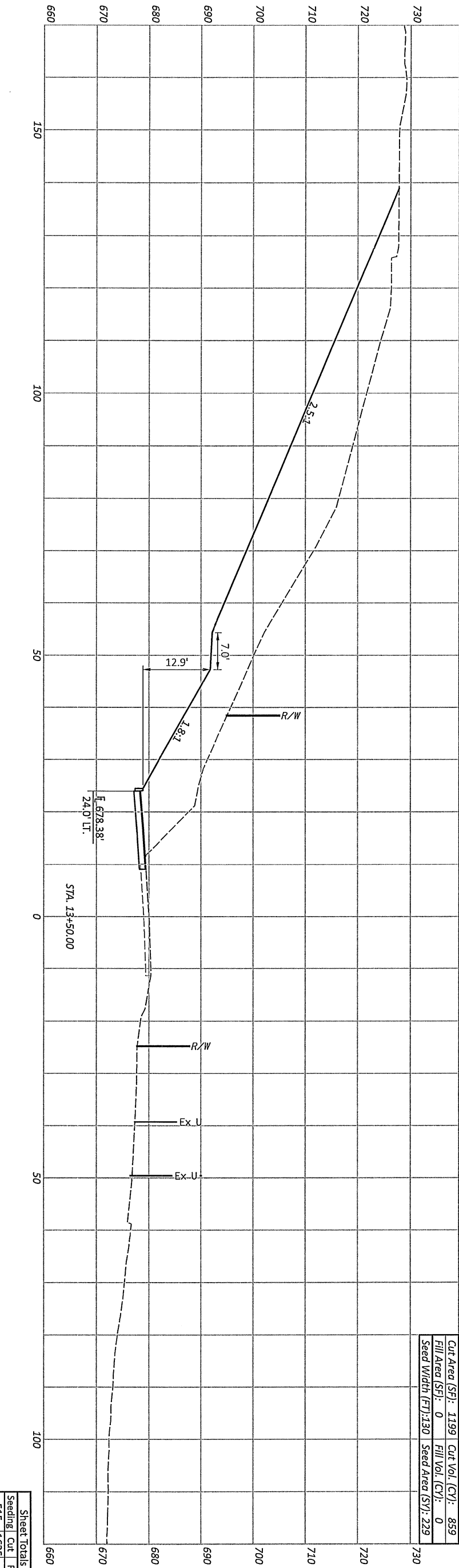
CROSS SECTIONS - S.R. 376
 STA. 13+00 - STA. 13+20



DESIGN AGENCY
 DESIGNER: GPM
 REVIEWER:
 PROJECT ID: 115989
 SHEET TOTAL: 28
 SHEET: P.22
 Seeding: 397
 Cut: 1686
 Fill: 0

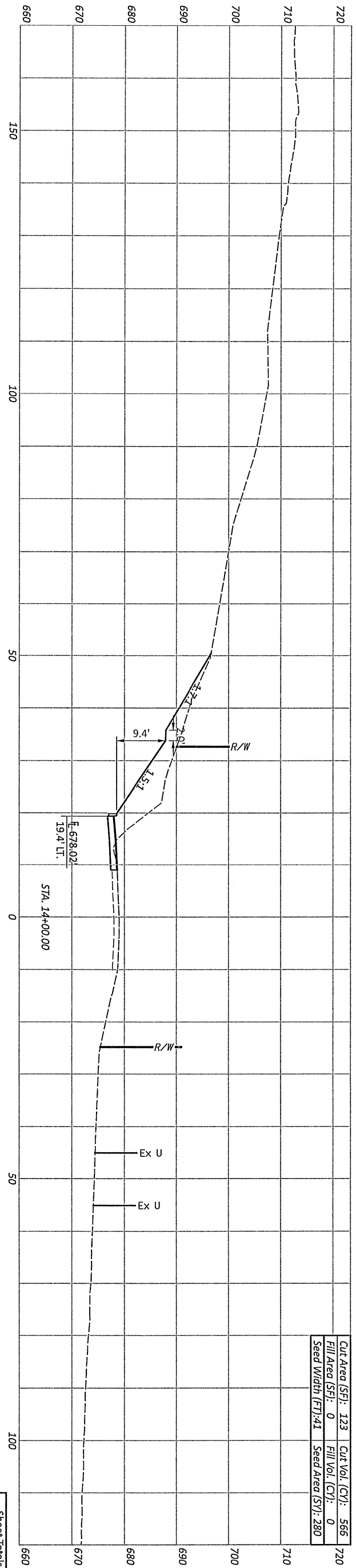
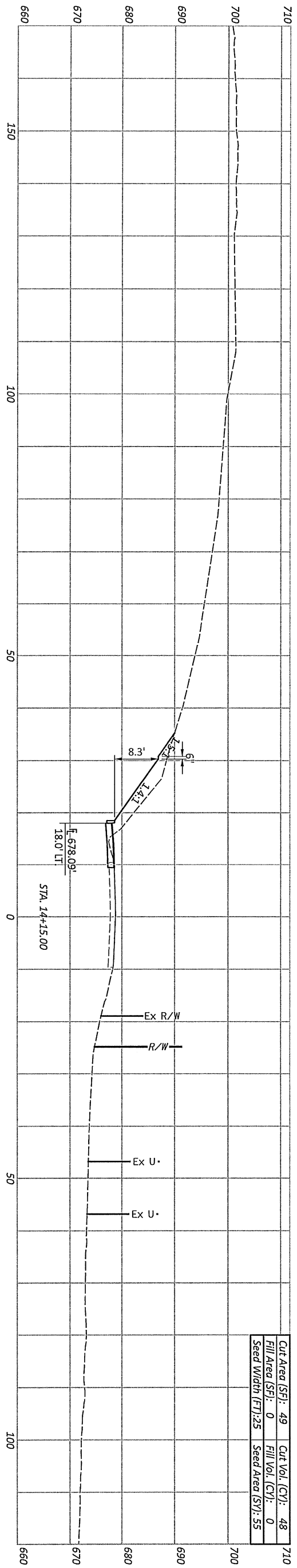
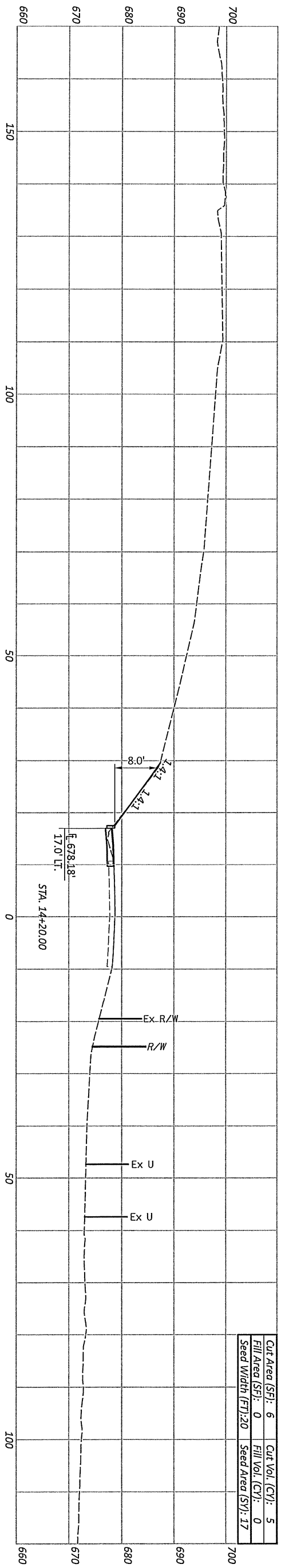
MUS-376-5.09

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

DESIGN AGENCY	
DESIGNER	
REVIEWER	
PROJECT ID	115989
SHEET TOTAL	28
Seeding	515
Cut	1635
Fill	0
TOTAL	228



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



DESIGN AGENCY
 DESIGNER
 GPM
 REVIEWER

PROJECT ID
 115989
 SHEET TOTAL
 P.24 28

Sheet Totals			
Seeding	Cut	Fill	TOTAL
352	619	0	28

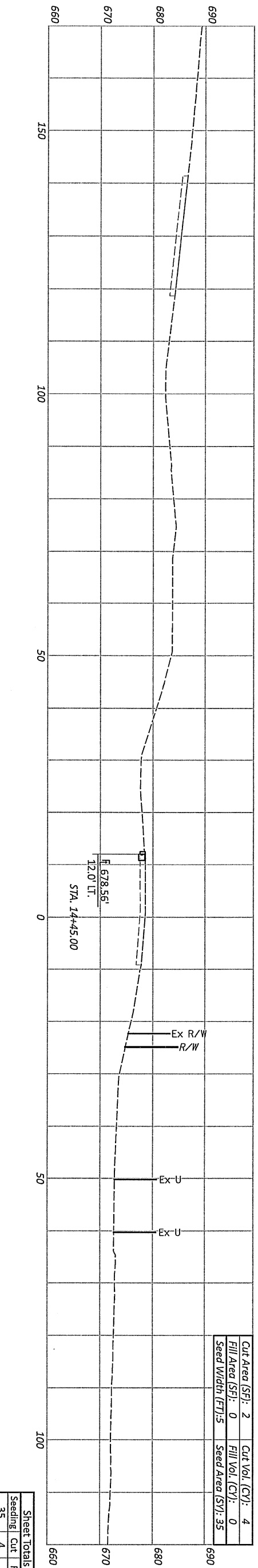
MUS-376-5.09

MODEL: CLP_5376 - 14+45.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 6/6/2023 TIME: 7:57:38 AM USER: gmotsche
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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	173.69	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	

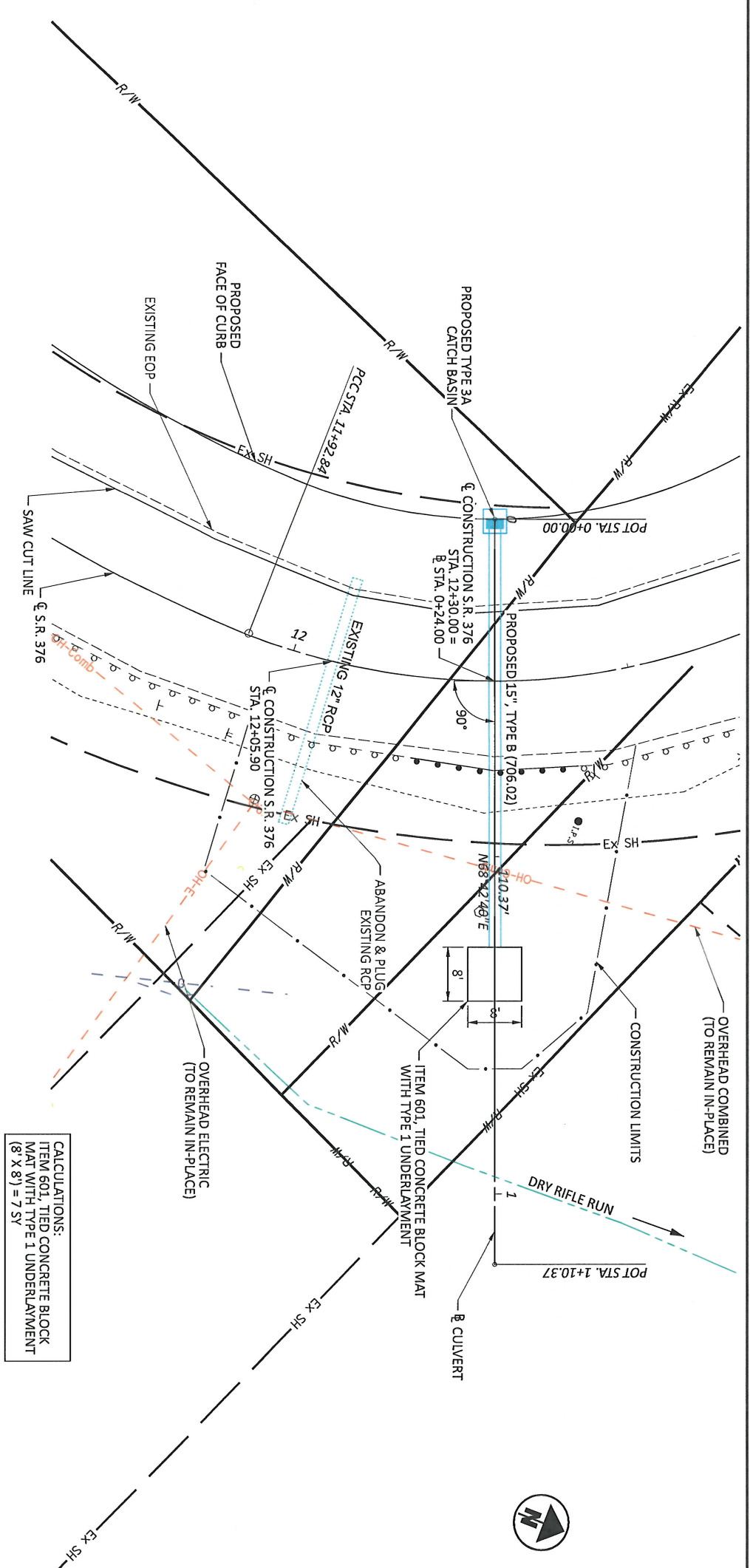
QUANTITIES CARRIED TO SHEET 5



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



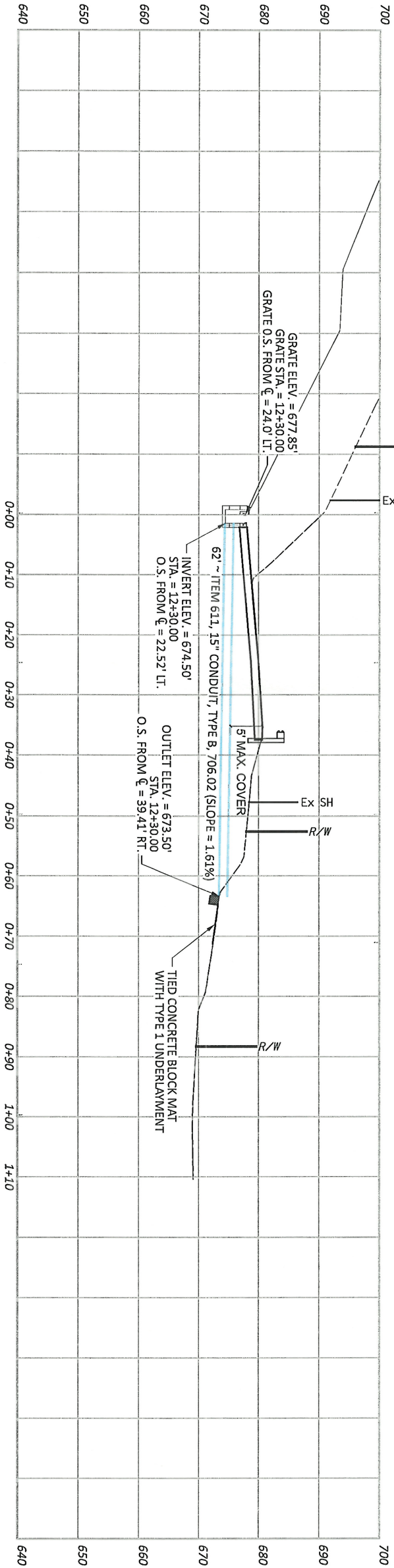
DESIGN AGENCY
 DESIGNER: GPM
 REVIEWER:
 PROJECT ID: 115989
 SHEET TOTAL: 28
 SHEET: P.25
 Seeding: 35
 Cut: 4
 Fill: 0



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

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

TOTALS CARRIED TO GENERAL SUMMARY

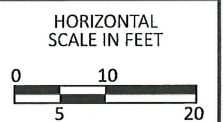


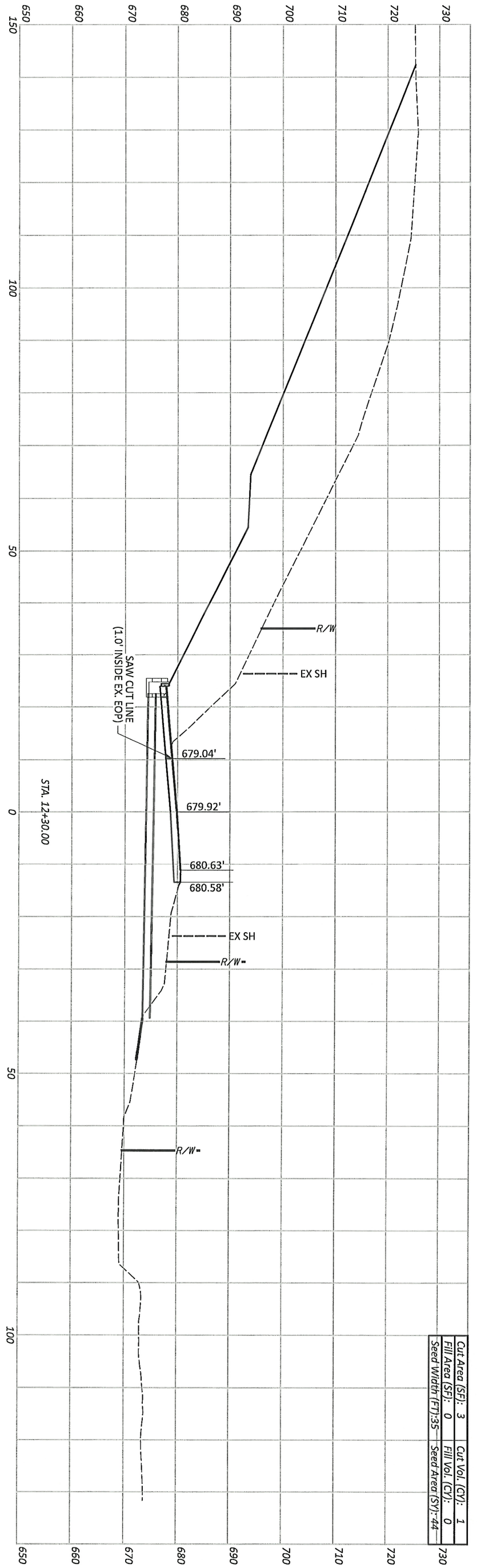
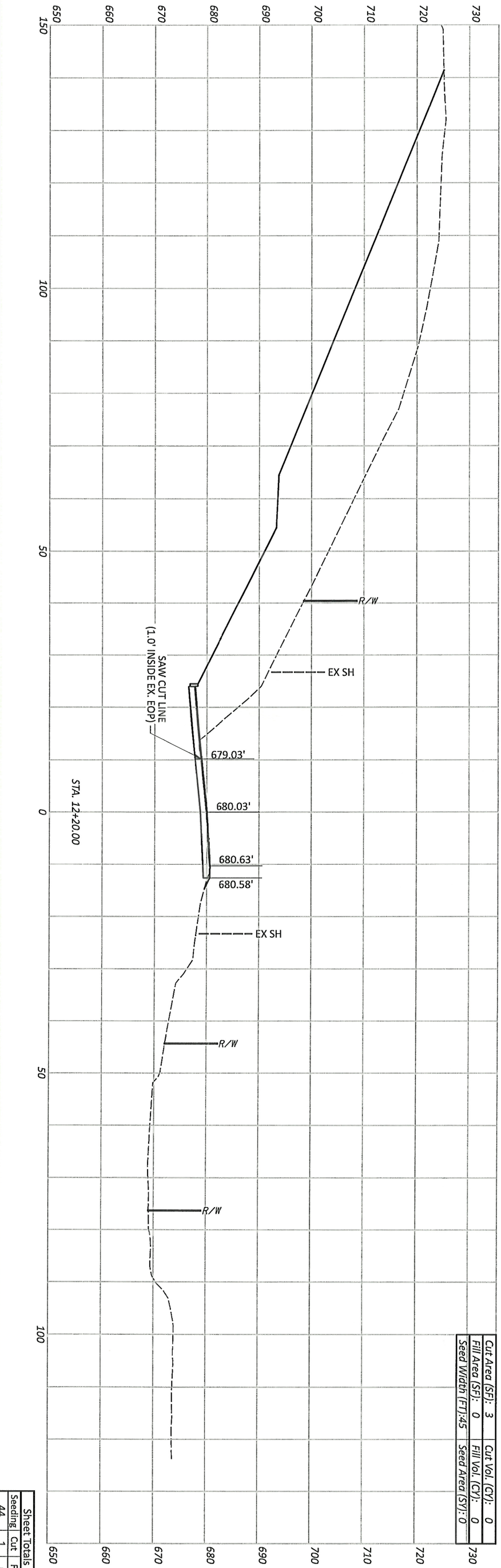
EXISTING STRUCTURE
 CN: 1804492
 TYPE: REINFORCED CONCRETE PIPE
 DIAMETER: 12"
 LENGTH: 38'
 SKEW: 90.0°
 STREAM: LAT: 39.802922
 LONG: -81.890006

PROPOSED STRUCTURE
 CN: 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 =
 Q200 =
 V10 =
 V100 =

CULVERT DETAIL SHEET - STA. 12+30.00
 S.R. - 376





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

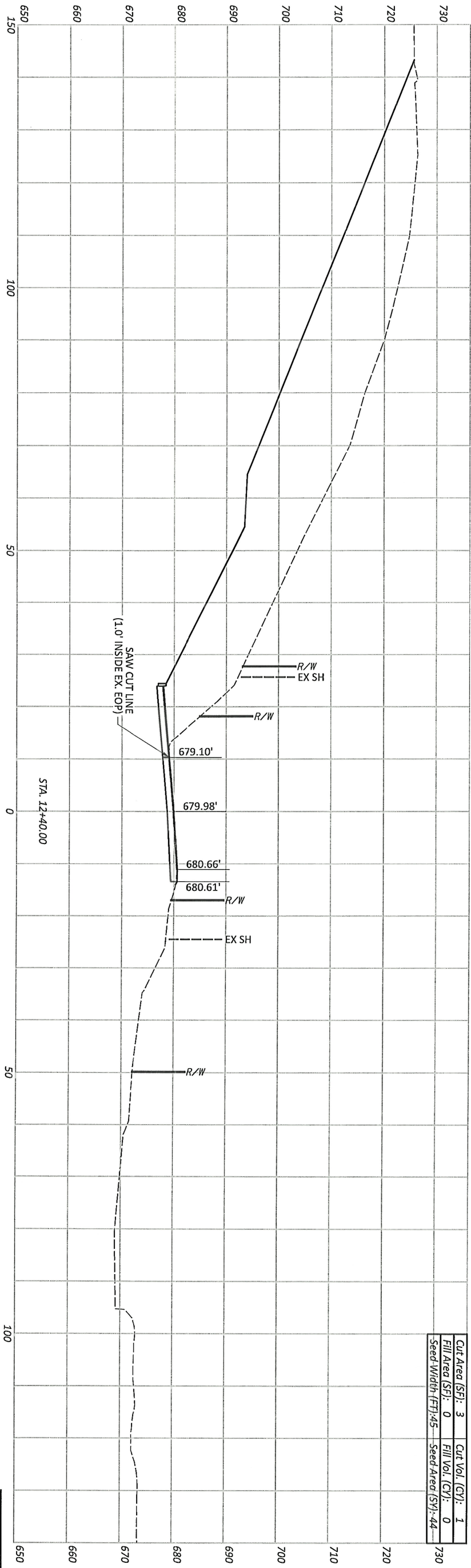


DESIGN AGENCY
 DESIGNER
 GPM
 REVIEWER

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

MUS-376-5.09

MODEL: CLP_S376 - 12+40.00 [Sheet] PAPER SIZE: 34x22 (in.) DATE: 6/6/2023 TIME: 7:58:05 AM USER: gmotsche
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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

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



DESIGN AGENCY

DESIGNER

GPM

REVIEWER

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



LATITUDE: 39°49'11.1" N LONGITUDE: 081°33'24.4" W



END ACQUISITION
 STA. 1306+28.85
 SIM 5.30

BEGIN ACQUISITION
 STA. 1295+00.00
 SIM 5.08

RIGHT OF WAY LEGEND SHEET

MUS-376-5.09

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

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

- INDEX OF RW. SHEETS:**
- LEGEND SHEET RW.1
 - CENTERLINE PLAT RW.2
 - MONUMENTATION TABLE RW.3
 - PROPERTY MAP RW.4
 - SUMMARY OF ADDITIONAL RW RW.5
 - DETAIL SHEETS RW.6 - RW.7

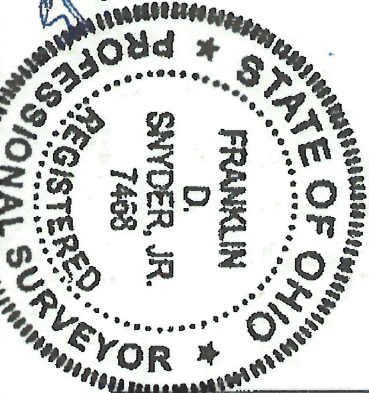
UNDERGROUND UTILITIES
 Contact Two Working Days
 Before You Dig
OHIO811.org
 Before You Dig
 8-1-1 or 1-800-362-2764
 (Non members must be called directly)

**Reduced copy, not to scale, Larger
 copy available in the Muskingum
 County Engineer's Map Dept.**

- CONVENTIONAL SYMBOLS**
- County Line
 - Township Line
 - Section Line
 - Corporation Line
 - Fence Line (Ex)
 - Center Line
 - Right of Way (Ex)
 - Standard Highway Easement (Ex)
 - Standard Highway Easement (Pr)
 - Channel Easement (Pr)
 - Utility Easement (Ex)
 - Railroad
 - Quarrel (Ex)
 - Construction Limits
 - Edge of Pavement (Ex)
 - Edge of Pavement (Pr)

- Edge of Shoulder (Ex)
- Ditch / Creek (Ex)
- Ditch / Creek (Pr)
- Tree Line (Ex)
- Ownership Hook Symbol
- Property Line Symbol
- Break Line Symbol
- Tree (Remove)
- Evergreen (Remove)
- Evergreen (Remove)
- Wetland (Pr)
- Post (Ex)
- Light (Ex)
- Fire Hydrant (Ex)
- Water Valve (Ex)
- Telephone pole (Ex)
- Light Pole (Ex)

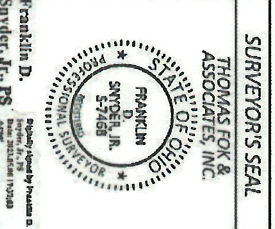
NOTES:
 1. FRANKLIN D. SNYDER, JR., P.S., HAS CONDUCTED A SURVEY OF THE EXISTING UNDERGROUND UTILITIES IN ACCORDANCE WITH THE OHIO DEPARTMENT OF TRANSPORTATION BEGINNING IN AUGUST 2022. THE RESULTS OF THAT SURVEY ARE SHOWN HEREIN.
 2. UNDERGROUND UTILITY LOCATIONS ARE SHOWN FOR INFORMATION PURPOSES ONLY. THOUGH THEY ARE BELIEVED TO BE ACCURATE, THE LOCATION AS MARKED ON THE GROUND BY THE UTILITY COMPANY AND SUBSEQUENTLY SURVEYED AS PART OF THIS PROJECT OR AS DEPICTED IN ACCORDANCE WITH PLANS RECEIVED FROM THE UTILITY COMPANY. ALL OF THE MARKINGS OR PLANS WERE IN ACCORDANCE WITH O.U.P.S. TICKETS A223702928-00A AND A22451595-00A.
 3. THE HORIZONTAL COORDINATES EXPRESSED HEREIN ARE BASED ON THE STATE PLANE COORDINATE SYSTEM, OHIO SOUTH ZONE (8402), NAD83(2011) (EPOCH: 2010:00:00). THE PROJECT COORDINATES (U.S. SURVEY FEET) ARE RELATIVE TO STATE PLANE GRID COORDINATES (METERS) BY A CONVERSION SCALE FACTOR OF 0.99999376 (P.A.F. OF 1.00004624) FROM PROJECT PIDS 101004 AND U.S. SURVEY FEET TO METERS CONVERSION OF 3937/1200.
 4. AS A PART OF THIS PROJECT I HAVE REESTABLISHED THE LOCATIONS OF THE EXISTING PROPERTY LINES AND EXISTING RIGHTS OF WAY FOR PROPERTY TAKEN CONTAINED HEREIN. ADDITIONALLY, I HAVE ESTABLISHED THE PROPOSED PROPERTY AND EASEMENT LINES, CALCULATED THE GROSS TAKE, PRESENT ROAD OCCUPIED (PROJ), NET TAKE, AND NET RESIDUE AS WELL AS PREPARED THE LEGAL DESCRIPTIONS NECESSARY TO ACQUIRE THE PARCELS SHOWN HEREIN.
 5. ALL OF MY WORK CONTAINED HEREIN WAS CONDUCTED IN ACCORDANCE WITH OHIO ADMINISTRATIVE CODE 4733-37 COMMONLY KNOWN AS "STANDARDS FOR BOUNDARY SURVEYS" UNLESS NOTED. THE WORDS "AND MY" AS USED HEREIN ARE TO MEAN EITHER MYSELF OR SOMEONE WORKING UNDER MY DIRECT SUPERVISION.



PLANS PREPARED BY:
 FIRM NAME: THOMAS FOK & ASSOCIATES, INC.
 R/W DESIGNER: JOSEPH P. SIFKA, JR., PE
 R/W REVIEWER: FRANKLIN D. SNYDER, JR., PS
 FIELD REVIEWER: FRANKLIN D. SNYDER, JR., PS
 PRELIMINARY FIELD REVIEW DATE: 03/29/2023
 OWNERSHIP UPDATED BY: FRANKLIN D. SNYDER, JR., PS
 DATE COMPLETED: 05/03/2023
 FIELD REVIEWER: FRANKLIN D. SNYDER, JR., PS
 FINAL FIELD REVIEW DATE: 05/06/2023
 FINAL R/W PLAN DATE: 05/08/2023

- PROJECT DESCRIPTION**
 REMEDIATION OF ROCK CUT SLOPE
 THAT IMPROVES SLOPE STABILITY
- STRUCTURE KEY**
- RESIDENTIAL
 - COMMERCIAL
 - OUT-BUILDING
- TYPES OF TITLE LEGEND:**
 WD = WARRANTY DEED
 T = TEMPORARY EASEMENT

TYPE	NAME & ADDRESS
NATURAL GAS AND OIL	Aspire Energy (Formerly Gatherco) 300 Tracy Bridge Road Orville, Ohio 44667 330-582-7726 ddlgman@aspireenergy.com
	National Gas and Oil Cooperation 120 O'Neil Drive Hebron, Ohio 43025 Attn: Greg Wilson 740-348-1254 GWilson@theenergycoop.com
	Tennessee Gas (Kinder Morgan-Cumberland) Kinder Morgan 1001 Louisiana St, Suite 1000 Houston, Texas 77002 713-369-9000 TGPCcontract@kindermorgan.com



DESIGN AGENCY
TF ASSOCIATES
 DESIGNER: JPS
 REVIEWER:
 DATE: 05/03/23
 PROJECT ID: 115989
 SHEET TOTAL: 7
 SUBSET: 7
 RW.1

