

LOCATION MAP

LATITUDE: ° ' " LONGITUDE: ° ' "



PORTION TO BE IMPROVED	—————
INTERSTATE HIGHWAY	=====
FEDERAL ROUTES	=====
STATE ROUTES	=====
COUNTY & TOWNSHIP ROADS	=====
OTHER ROADS	—————

**DESIGN DESIGNATION**

CURRENT ADT (2023)	1700
DESIGN YEAR ADT (2044)	1700
DESIGN HOURLY VOLUME (2044)	200
DIRECTIONAL DISTRIBUTION	0.50
TRUCKS (24 HOUR B&C)	.13
DESIGN SPEED	60 MPH
LEGAL SPEED	55 MPH
DESIGN FUNCTIONAL CLASSIFICATION:	
Major Collector	
NHS PROJECT	NO

**DESIGN EXCEPTIONS**

NONE REQUIRED

**ADA DESIGN WAIVERS**

NONE REQUIRED

**UNDERGROUND UTILITIES**  
 Contact Two Working Days  
 Before You Dig

**OHIO811.org**  
 Before You Dig

OHIO811, 8-1-1, or 1-800-362-2764  
 (Non members must be called directly)

PLAN PREPARED BY:  
 ODOT DISTRICT ONE  
 1885 N. McCULLOUGH ST.  
 LIMA, OHIO 45801

**STATE OF OHIO  
 DEPARTMENT OF TRANSPORTATION**

**DEF/PAU-111-0.37/23.82**

DEFIANCE & AUGLAIZE TOWNSHIPS  
 DEFIANCE & PAULDING COUNTIES

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PLAN & PROFILE - DEFIANCE-111-0.37	30-31
CROSS SECTIONS - DEFIANCE-111-0.37	32-42
RIGHT OF WAY	RW-1

STANDARD CONSTRUCTION DRAWINGS				SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
DM-1.1	7/17/20	TC-52.20	1/15/21	800 1/19/24	WATERWAY
DM-4.3	1/15/16	TC-65.10	1/17/14	832 7/21/23	PERMITS
DM-4.4	1/15/16	TC-65.11	7/15/22		CONDITIONS 03/22/2024
MGS-1.1	7/16/21				
MGS-2.1	1/19/18				
MGS-4.3	1/18/13				
MGS-6.1	1/19/18				
MT-101.60	4/21/23				
MT-101.90	7/17/20				
MT-105.10	1/17/20				
TC-41.20	10/18/13				
TC-42.20	10/18/13				
TC-52.10	10/18/13				

**FEDERAL PROJECT NUMBER**

E230 (878)

**RAILROAD INVOLVEMENT**

NONE

**PROJECT DESCRIPTION**

ADD ROCK CHANNEL PROTECTION WITH EXCAVATION AND EMBANKMENT ALONG S.R. 111 IN DEFIANCE AND PAULDING COUNTIES. REPLACE GUARDRAIL.

PROJECT LENGTH: 0.17 MILES DEFIANCE COUNTY  
 0.25 MILES IN PAULDING COUNTY

**EARTH DISTURBED AREAS**

PROJECT EARTH DISTURBED AREA:	2.9 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	0.6 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	3.5 ACRES
	* ROUTINE MAINTENANCE PROJECT

**LIMITED ACCESS**

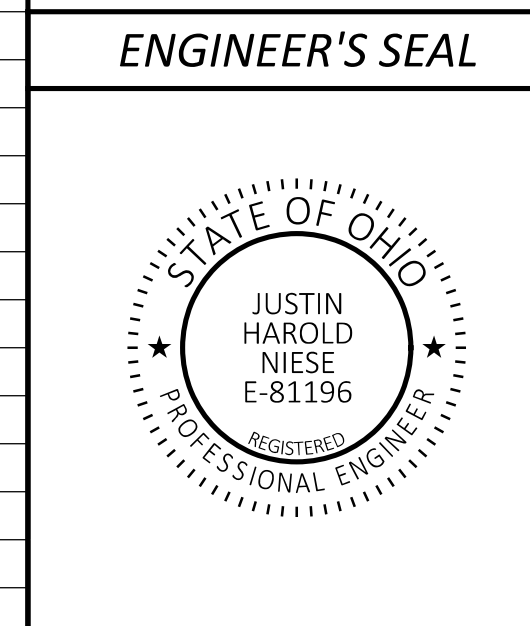
THIS IMPROVEMENT IS ESPECIALLY DESIGNED FOR THROUGH TRAFFIC AND HAS BEEN DECLARED A LIMITED ACCESS HIGHWAY OR FREEWAY BY ACTION OF THE DIRECTOR IN ACCORDANCE WITH THE PROVISIONS OF SECTION 5511.02 OF THE OHIO REVISED CODE.

**2023 SPECIFICATIONS**

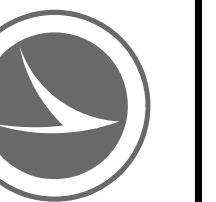
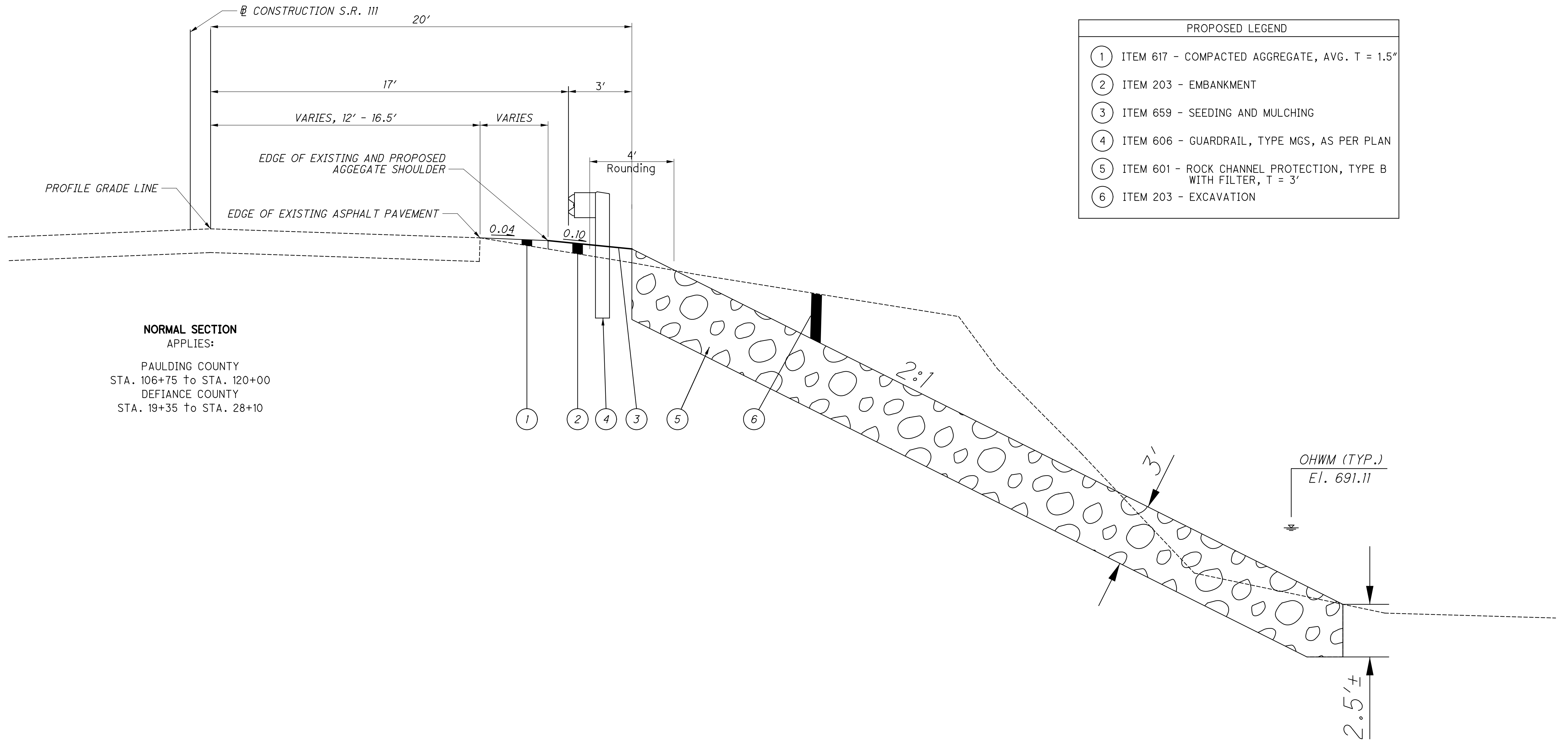
THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS, CHANGES LISTED IN THE PROPOSAL, AND THE SUPPLEMENTAL SPECIFICATION 800 VERSION INDICATED ON THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

*Christopher A. Hughes*  
 Christopher A. Hughes, P.E.  
 District 01 Deputy Director

*Jack Marchbanks*  
 Jack Marchbanks, PhD  
 Director, Department of Transportation



DESIGN AGENCY	
DESIGNER	TAB
REVIEWER	MJM 01/19/24
PROJECT ID	119862
SHEET	TOTAL
P.01	42



**ROUNDING**

THE ROUNDING AT SLOPE BREAKPOINTS SHOWN ON THE TYPICAL SECTIONS APPLIES TO ALL CROSS-SECTIONS, EVEN THOUGH OTHERWISE SHOWN.

**UTILITIES**

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

AMERICAN ELECTRIC POWER  
 538 POPULAR ST.  
 FOSTORIA, OH 44830  
 JEFF MEYERS 419-435-4532

ARTHUR MUTUAL TELEPHONE  
 21980 SR 637  
 DEFIANCE, OH 43512  
 419-393-2233

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS AS REQUIRED BY SECTION 153.64 O.R.C.

**EXISTING PLANS**

EXISTING PLANS ENTITLED PAU-111-23.69 MAY BE INSPECTED IN THE ODOT DISTRICT 1 OFFICE IN LIMA, OHIO.

**WORK LIMITS**

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

**SEEDING AND MULCHING**

QUANTITIES ARE PROVIDED ON SHEET 15 TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS.

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

**TEMPORARY SEDIMENT AND EROSION CONTROL**

THE FOLLOWING ITEM HAS BEEN INCLUDED IN THE GENERAL SUMMARY TO PERFORM THIS ITEM OF WORK.

ITEM 832 - EROSION CONTROL = 15000 EACH

**CONNECTION BETWEEN EXISTING AND PROPOSED GUARDRAIL**

WHEN IT IS NECESSARY TO SPLICE PROPOSED GUARDRAIL TO EXISTING GUARDRAIL, ONLY THE EXISTING GUARDRAIL SHALL BE CUT, DRILLED, OR PUNCHED. THE CONNECTION SHALL BE MADE USING A W-BEAM, BEAM SPLICE AS SHOWN IN AASHTO M 180-12, EXCEPT THE BEAM WASHERS ARE NOT TO BE USED. PAYMENT SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE RESPECTIVE GUARDRAIL ITEMS.

**ITEM 606 - GUARDRAIL, TYPE MGS, AS PER PLAN**  
**ITEM 606 - GUARDRAIL, TYPE MGS, HALF POST SPACING, APP, AS PER PLAN**  
**ITEM 606 - GUARDRAIL, TYPE MGS, WITH LONG POSTS, AS PER PLAN**

IN ADDITION TO THE REQUIREMENTS OF ITEM 606, THIS ITEM REQUIRES STEEL POSTS AND COMPOSITE OR POLYMER ALTERNATIVE BLOCKOUTS. THE BLOCKOUTS SHALL BE FROM THE APPROVED PRODUCTS LIST THAT IS MAINTAINED BY THE OFFICE OF ROADWAY ENGINEERING AND INSTALLED PER CMS 606 AND ALL PERTINENT STANDARD DRAWINGS. ALL COSTS ASSOCIATED WITH PROVIDING AND INSTALLING STEEL POSTS AND APPROVED ALTERNATIVE MGS BLOCKOUTS SHALL BE INCLUDED IN THE UNIT BIDS FOR ITEM 606, GUARDRAIL, TYPE MGS, AS PER PLAN AND ITEM 606, GUARDRAIL, TYPE MGS, HALF POST SPACING, APP, AS PER PLAN.

**ITEM 606 - ANCHOR ASSEMBLY, MGS TYPE E (MASH 2016)**

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING ANY OF THE GUARDRAIL END TERMINALS FOR TYPE MGS GUARDRAIL AS LISTED ON ROADWAY ENGINEERING'S WEB PAGE UNDER ROADSIDE SAFETY DEVICES FOR APPROVED GUARDRAIL END TREATMENTS. INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

THE FACE OF THE TYPE E IMPACT HEAD SHALL BE COVERED WITH A SHEET OF TYPE G REFLECTIVE SHEETING, PER CMS 730.19.

REFER TO THE MANUFACTURER'S INSTRUCTIONS REGARDING THE INSTALLATION OF, AND THE GRADING AROUND THE FOUNDATION TUBES AND GROUND STRUT. THE TOP OF ANY FOUNDATION TUBE SHOULD BE LESS THAN 4 INCHES ABOVE THE GROUND. THE PLACEMENT OF THE FOUNDATION TUBES SHOULD BE AN APPROPRIATE DEPTH BELOW THE LEVEL LINE IN ORDER TO MAINTAIN THE FINISHED GUARDRAIL HEIGHT OF 31 INCHES FROM THE EDGE OF THE SHOULDER.

ON-SITE GRADING IS REQUIRED IF THE TOP OF THE FOUNDATION TUBES OR TOP OF THE GROUND STRUT DOES PROJECT MORE THAN 4 INCHES ABOVE THE GROUND LINE.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 606, ANCHOR ASSEMBLY, MGS TYPE E, EACH, AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT A COMPLETE AND FUNCTIONAL ANCHOR ASSEMBLY SYSTEM, INCLUDING ALL RELATED TRANSITIONS, REFLECTIVE SHEETING, HARDWARE, GRADING, EMBANKMENT AND EXCAVATION NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER.

**ENVIRONMENTAL COMMITMENTS**

1. ODOT WILL ACQUIRE ALL NECESSARY WATERWAY PERMITS PRIOR TO THE START OF CONSTRUCTION. CONDITIONS OF THESE PERMITS WILL BE PROVIDED IN THE CONTRACT AS SPECIAL PROVISIONS. ODOT WILL PROVIDE THE WATERWAY PERMITS TO THE CONTRACTOR AT THE PRE-CONSTRUCTION MEETING. THE CONTRACTOR IS RESPONSIBLE FOR FOLLOWING ALL THE SPECIAL PROVISIONS OF THE WATERWAY PERMITS THROUGHOUT THE DURATION OF THE CONTRACT.

2. THE PROJECT IS LOCATED WITHIN THE KNOWN HABITAT RANGES OF THE FEDERALLY ENDANGERED NORTHERN LONG-EARED AND INDIANA BAT, AND THE STATE ENDANGERED LITTLE BROWN AND TRICOLORED BATS. NO TREES SHALL BE REMOVED UNDER THIS PROJECT FROM APRIL 1 THROUGH SEPTEMBER 30. ALL NECESSARY TREE REMOVAL SHALL OCCUR FROM OCTOBER 1 THROUGH MARCH 31. THIS REQUIREMENT IS NECESSARY TO AVOID AND MINIMIZE IMPACTS TO THESE SPECIES AS REQUIRED BY THE ENDANGERED SPECIES ACT AND ORC 1531.25. FOR THE PURPOSES OF THIS NOTE, A TREE IS DEFINED AS A LIVE, DYING, OR DEAD WOODY PLANT, WITH A TRUNK THREE INCHES OR GREATER IN DIAMETER AT A HEIGHT OF 4.5 FEET ABOVE THE GROUND SURFACE, AND WITH A MINIMUM HEIGHT OF 13 FEET.

3. THROUGHOUT CONSTRUCTION, THE CONTRACTOR MUST MAINTAIN ACCESS TO THE NEARBY PUBLIC BOAT RAMP LOCATED AT THE NORTHWEST SIDE OF THE STATE ROUTE 637 BRIDGE OVER THE AUGLAIZE RIVER.

**CLEARING AND GRUBBING**

REMOVE ALL TREES AND STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE CONSTRUCTION LIMITS UNDER THE LUMP SUM BID FOR ITEM 201, CLEARING AND GRUBBING. THE FOLLOWING IS AN APPROXIMATE ESTIMATE OF THE NUMBER OF TREES AND STUMPS TO BE REMOVED.

SIZES	NO. TREES	NO. STUMPS	TOTAL
18"	35	0	35
30"	3	0	3

DESIGN AGENCY



DESIGNER  
 TAB

REVIEWER  
 MJM 01/19/24

PROJECT ID  
 119862

SHEET TOTAL  
 P.03 42

**SURVEYING PARAMETERS**

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE SHEET 4 OF THE PLANS FOR A TABLE CONTAINING PROJECT CONTROL INFORMATION.

USE THE FOLLOWING PROJECT CONTROL, VERTICAL POSITIONING, AND HORIZONTAL POSITIONING PARAMETERS FOR ALL SURVEYING ON THIS PROJECT:

**PROJECT CONTROL**

POSITIONING METHOD: ODOT REAL TIME NETWORK (2011)  
MONUMENT TYPE: TYPE B

**VERTICAL POSITIONING**

ORTHOMETRIC HEIGHT DATUM: NAVD 88  
GEOID: 18

**HORIZONTAL POSITIONING**

REFERENCE FRAME: NAD83 (2011 ADJ, 2010.0)  
ELLIPSOID: GRS 80  
COORDINATE SYSTEM: CUSTOM PAULDING LDP\*  
PAULDING LDP PROJECTION PARAMETERS:  
PROJECTION: LCC 1 PARALLEL  
CENTRAL LATITUDE: N 41°06'00"  
CENTRAL LONGITUDE: W 84°33'00"  
FALSE NORTHING: 100,000 METERS  
FALSE EASTING: 50,000 METERS  
SCALE FACTOR: 1.000029

\* THE LOW DISTORTION PROJECTION (LDP) IS A LOCAL COUNTY PROJECTION DEVELOPED BY ODOT. THE DISTORTION BETWEEN GROUND AND GRID IS SO MINIMAL THAT THERE IS NO NEED FOR A SCALE FACTOR TO ADJUST BETWEEN GRID AND GROUND COORDINATES.  
CONTACT THE DISTRICT SURVEY DEPARTMENT FOR FURTHER INFORMATION OR QUESTIONS.  
UNITS ARE IN U.S. SURVEY FEET. USE THE FOLLOWING CONVERSION FACTOR: 1 METER = 3.280833333 U.S. SURVEY FEET.

USE THE POSITIONING METHODS AND MONUMENT TYPE USED IN THE ORIGINAL SURVEY TO RESTORE ALL MONUMENTS RELATED TO PRIMARY PROJECT CONTROL THAT ARE DAMAGED OR DESTROYED BY CONSTRUCTION ACTIVITIES. RESTORE THE DAMAGED OR DESTROYED MONUMENTS IN ACCORDANCE WITH CMS 623.

**BASIS OF BEARINGS:**

BEARINGS ARE BASED ON THE CUSTOM O.D.O.T. LOW DISTORTION PROJECTION. CONTACT D-1 SURVEY DEPARTMENT WITH ANY QUESTIONS.

**UTILITY STATEMENT FOR SURVEY BASEMAP:**

UNDERGROUND UTILITY LOCATIONS ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY. THEIR LOCATION AS MARKED ON THE GROUND BY THE UTILITY COMPANY OR THEIR REPRESENTATIVE PER OHIO811 CONFIRMATION NUMBER (A326401071-00A, DATED 09-21-2023 AND A326401111-00A, DATED 9-21-2023) WERE SURVEYED AND MAPPED AS PART OF THIS PROJECT. OHIO811 UTILITY DAMAGE PREVENTION LAWS WERE FOLLOWED AND THERE IS NO DIRECT KNOWLEDGE OR CONTROL OF HOW THESE MARKS WERE PLACED, NOR KNOWLEDGE OF THE ACCURACY AS TO THEIR INTENDED DEPICTION OF SUBSURFACE UTILITY FACILITIES.

**ITEM SPECIAL - MAILBOX SUPPORT**

THIS WORK SHALL CONSIST OF FURNISHING AND ERECTING MAILBOX SUPPORTS AND ANY ASSOCIATED MOUNTING HARDWARE IN ACCORDANCE WITH PLAN DETAILS, AND ATTACHING AN OWNER-SUPPLIED MAILBOX AT LOCATIONS SPECIFIED IN THE PLAN, OR OTHERWISE ESTABLISHED BY THE ENGINEER.

WOOD POSTS SHALL BE NOMINAL 4 INCHES BY 4 INCHES SQUARE OR 4.5 INCHES DIAMETER ROUND, AND CONFORM TO 710.14.

STEEL POSTS SHALL BE NOMINAL PIPE SIZE 2 INCHES I.D., AND CONFORM TO AASHTO M 181.

ALL HARDWARE INCLUDING BUT NOT LIMITED TO PLATES, SCREWS, BOLTS, AND ETC. SHALL BE COMMERCIAL-GRADE GALVANIZED STEEL.

POSTS SHALL BE SET PER THE FIRST PARAGRAPH OF 606.03, AND SHALL IN NO INSTANCE BE ENCASED IN CONCRETE.

SUPPORT HARDWARE SHALL ACCOMMODATE EITHER A SINGLE OR A DOUBLE MAILBOX INSTALLATION, AND NO MORE THAN TWO BOXES MAY BE MOUNTED ON A SINGLE POST.

THE MAILBOX SHALL BE SECURELY AND NEATLY ATTACHED BY THE CONTRACTOR TO THE NEW SUPPORT. THE CONTRACTOR SHALL FURNISH ALL NECESSARY ATTACHMENT HARDWARE (NUTS, BOLTS, PLATES, SPACERS, AND WASHERS) AS NECESSARY TO ACCOMMODATE THE COMPLETE INSTALLATION.

IN THE ABSENCE OF A NEW BOX SUPPLIED BY THE OWNER, THE CONTRACTOR SHALL SALVAGE THE EXISTING BOX AND PLACE IT ON THE NEW SUPPORT. DUE CARE SHALL BE EXERCISED IN SUCH AN OPERATION, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ANY BOX DAMAGED BY IMPROPER HANDLING ON HIS PART, AS JUDGED AND DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE LOCAL POST MASTER REGARDING THE TIMING OF THE MOVEMENT OF ANY MAILBOX TO A NEW LOCATION.

PAYMENT UNDER THIS ITEM SHALL BE LIMITED TO FINAL PERMANENT INSTALLATIONS. TEMPORARY INSTALLATIONS SHALL BE IN ACCORDANCE WITH 107.10. HOWEVER, THE SAME MATERIAL AND SIZE LIMITATIONS AS FOR PERMANENT INSTALLATIONS SHALL APPLY.

MAILBOX SUPPORTS, COMPLETE IN PLACE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH, FOR ITEM SPECIAL MAILBOX SUPPORT SYSTEM, SINGLE.

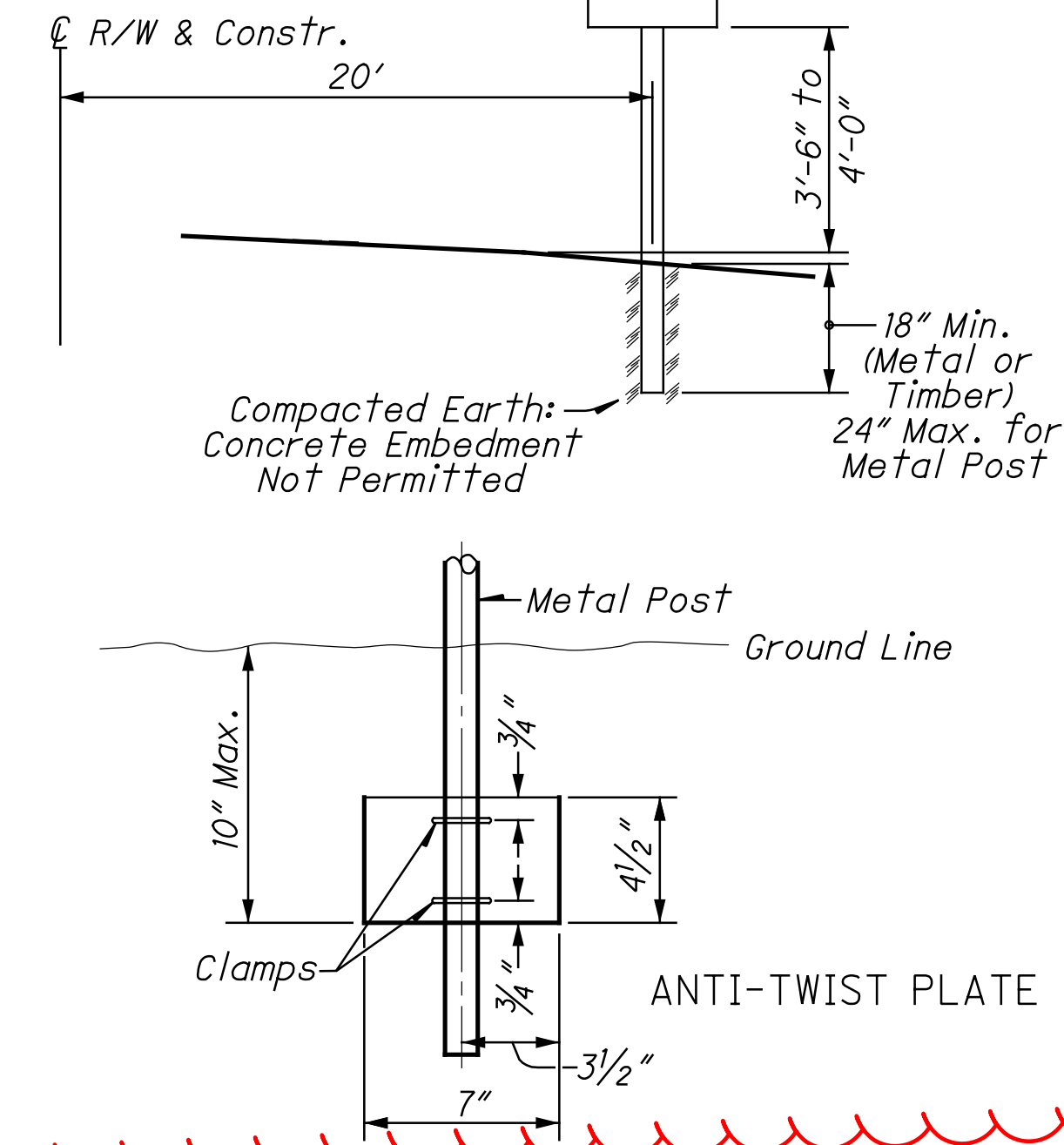
**ITEM SPECIAL - MAILBOX REMOVED AND RESET**

THIS WORK SHALL CONSIST OF REMOVING MAILBOXES, MAILBOX SUPPORTS AND ANY ASSOCIATED MOUNTING HARDWARE IN ACCORDANCE WITH PLAN DETAILS.

IN THE ABSENCE OF A NEW BOX SUPPLIED BY THE OWNER, THE CONTRACTOR SHALL SALVAGE THE EXISTING BOX FOR PLACEMENT ON A NEW SUPPORT. DUE CARE SHALL BE EXERCISED IN SUCH AN OPERATION, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ANY BOX DAMAGED BY IMPROPER HANDLING ON HIS PART, AS JUDGED AND DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSAL OF THE REMOVED MAILBOX SUPPORTS AND ANY MAILBOXES AND ASSOCIATED MOUNTING HARDWARE THAT ARE NOT RESET. THE ABOVE REMOVAL AND ANY SALVAGING FOR RESET WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH, FOR ITEM SPECIAL - MAILBOX REMOVED AND RESET.

**MAILBOX DETAILS**



**PERSONAL PROTECTIVE EQUIPMENT**

THE CONTRACTOR SHALL FOLLOW ALL REQUIREMENTS OF SECTIONS XXIV AND XXXIV OF THE OHIO DEPARTMENT OF TRANSPORTATION SAFETY & HEALTH STANDARD OPERATING PROCEDURE 220-006(SP) EFFECTIVE: NOVEMBER 1, 2018 (EXCEPT AS AMENDED BELOW) AND ALL SUBSEQUENT UPDATES POSTED AT THE FOLLOWING WEBSITE:

HTTP://WWW.DOT.STATE.OH.US/POLICY/POLICIESANDSOPS/POLICIES/220-006(SP).PDF

AMENDMENTS TO THE REQUIREMENTS OF THIS DOCUMENT ARE:

XXIV. HEAD PROTECTION (HARD HATS)  
ALL PERSONS WITHIN THE RIGHT-OF-WAY OF ANY HIGHWAY OR ANY OTHER TYPE OF ROADWAY OR CONSTRUCTION SITE WHO ARE EXPOSED TO EITHER TRAFFIC (VEHICLES USING THE HIGHWAY FOR PURPOSES OF TRAVEL) OR CONSTRUCTION EQUIPMENT WITHIN THE WORK AREA, REGARDLESS OF JOB TYPE, SHALL WEAR APPROPRIATE HEAD PROTECTION. ALL HARD HATS MUST MEET OR EXCEED ANSI Z89.1-2009 TYPE 1, CLASS E-G REQUIREMENTS.

XXXIV. SAFETY APPAREL AND VEST (HIGH VISIBILITY) ALL PERSONS WITHIN THE RIGHT-OF-WAY OF ANY HIGHWAY OR ANY OTHER TYPE OF ROADWAY OR CONSTRUCTION SITE WHO ARE EXPOSED TO EITHER TRAFFIC (VEHICLES USING THE HIGHWAY FOR PURPOSES OF TRAVEL) OR CONSTRUCTION EQUIPMENT WITHIN THE WORK AREA, REGARDLESS OF JOB TYPE, SHALL WEAR A HIGH-VISIBILITY SAFETY VEST THAT MEETS THE PERFORMANCE CLASS II OR CLASS III REQUIREMENTS OF THE ANSI/ISEA 107-2015 PUBLICATION ENTITLED "AMERICAN NATIONAL STANDARD FOR HIGH-VISIBILITY SAFETY APPAREL AND ACCESSORIES."

WORKERS MAY WEAR AN ANSI CLASS II OR ANSI CLASS III AP-PROVED RAIN SUIT, JACKET OR OTHER APPAREL WITHOUT A SAFETY VEST OVER IT.

PROJECT CONTROL TABLE						
STATION/OFFSET		PROJECT COORDINATES (SEE SURVEY PARAMETERS)			MONUMENT DESCRIPTION	
STATION (C/L of Const.)	OFFSET (C/L of Const.)	NORTHING(ft) (PAU OCCS)	EASTING(ft) (PAU OCCS)	ELEV(ft) (NAVD88/18)	PT #	DESCRIPTION
<b>PAU-111-23.82</b>						
<b>HORIZONTAL CONTROL</b>						
106+77.27	22.85' LT	364751.775	192289.697	702.79*	CP101	PK Nail found on the Surface of the Road
110+71.47	41.12' LT	365117.501	192454.700	702.59*	CP102	3/4" Iron rebar with yellow cap stamped "Do Not Disturb ODOT Control" set
117+68.35	39.73' LT	365641.824	192923.789	704.23*	CP103	3/4" Iron rebar with yellow cap stamped "Do Not Disturb ODOT Control" set
123+03.24	39.02' LT	366051.539	193242.494	703.41*	CP104	3/4" Iron rebar with yellow cap stamped "Do Not Disturb ODOT Control" set
<b>VERTICAL CONTROL</b>						
106+84	37' LT	364764	192279	702.87	BM101	Mine Spike Set in East Face of Utility Pole
114+10	24' LT	365374	192684	705.04	BM102	Mine Spike Set in East Face of Utility Pole
123+09	34' RT	366024	193311	704.43	BM103	Mine Spike Set in West Face of Utility Pole
<b>DEF-111-0.37</b>						
<b>HORIZONTAL CONTROL</b>						
18+83.48	51.41' LT	369619.843	194868.672	702.32*	CP201	3/4" Iron rebar with yellow cap stamped "Do Not Disturb ODOT Control" set
23+90.50	36.18' LT	370067.279	195115.569	703.06*	CP202	3/4" Iron rebar with yellow cap stamped "Do Not Disturb ODOT Control" set
25+41.29	25.53' LT	370187.509	195211.554	702.91*	CP203	3/4" Iron rebar with yellow cap stamped "Do Not Disturb ODOT Control" set
<b>VERTICAL CONTROL</b>						
18+94	52' LT	369629	194873	703.81	BM201	Mine Spike Set in East Face of Utility Pole
23+58	20' LT	370031	195112	704.67	BM202	Mine Spike Set in East Face of Utility Pole
25+00	23' LT	370152	195188	704.17	BM203	Mine Spike Set in East Face of Utility Pole

\*This elevation may be subject to seasonal changes. Confirm elevation against other primary vertical control and benchmarks just prior to the start of construction activities.

DESIGN AGENCY



DESIGNER

TAB

REVIEWER

MJM 01/19/24

PROJECT ID

119862

SHEET

P.04

TOTAL 42

**ITEM 614, MAINTAINING TRAFFIC**

A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES, EXCEPT FOR A PERIOD NOT TO EXCEED 60 CONSECUTIVE CALENDAR DAYS, WHEN THROUGH TRAFFIC MAY BE DETOURED AS SHOWN ON SHEET 6. A DISINCENTIVE SHALL BE ASSESSED IN THE AMOUNT OF \$3,000 PER DAY FOR EACH CALENDAR DAY THE ROADWAY REMAINS CLOSED TO TRAFFIC BEYOND THE SPECIFIED LIMIT.

THE FIRST DAY THAT THE DETOUR IS IN EFFECT SHALL BE CONSIDERED THE STARTING DATE OF THE 60-DAY DETOUR LIMITATION. THE 60TH DAY OF THE DETOUR LIMITATION SHALL BE CONSIDERED AS AN INTERIM COMPLETION DATE. ON OR BEFORE THE 60TH DAY, THE ROADWAY SHALL BE OPENED TO THE SAFE AND CONVENIENT USE OF THE TRAVELING PUBLIC.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH C&MS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN STANDARD 48 X 30 INCH ROAD CLOSED SIGNS, SIGN SUPPORTS, BARRICADES AND LIGHTS, AS DETAILED IN SCD MT-101.60 DURING PERIODS IN WHICH THE AFFECTED ROADS ARE CLOSED TO TRAFFIC AT LOCATIONS SPECIFIED IN CMS 614.05.

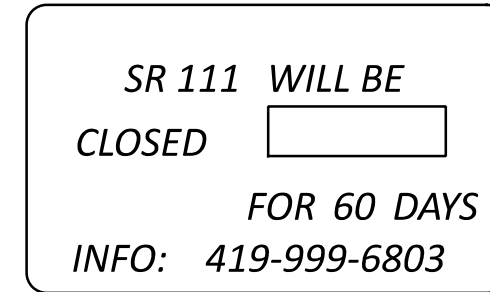
ACCESS TO ALL ADJACENT PROPERTIES WITHIN THE WORK LIMITS SHALL BE MAINTAINED BY THE CONTRACTOR AT ALL TIMES, AS PER 614.02(A)

NOTICE OF CLOSURE SIGNS (W20-H13), SHALL BE ERECTED BY THE CONTRACTOR PRIOR TO THE SCHEDULED ROAD CLOSURE IN ACCORDANCE WITH THE NOTICE OF CLOSURE TIME TABLE BELOW.

THE SIGNS SHALL BE ERECTED ON THE RIGHT-HAND SIDE OF THE ROAD FACING TRAFFIC. THEY SHALL BE PLACED SO AS NOT TO INTERFERE WITH THE VISIBILITY OF ANY OTHER TRAFFIC CONTROL SIGNS. THEY SHOULD BE ERECTED AT OR NEAR THE POINT OF CLOSURE. THE SIGNS MAY BE ERECTED ANYWHERE ON RAMPS AS LONG AS THEY ARE VISIBLE TO THE MOTORISTS USING THE RAMP.

NOTICE OF CLOSURE SIGN TIME TABLE		
ITEM	DURATION OF CLOSURE	SIGN DISPLAYED TO PUBLIC
RAMP & ROAD CLOSURES	>= 2 WKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HRS & < 2 WKS	7 CALENDAR DAYS PRIOR TO CLOSURE
	< 12 HRS	2 BUSINESS DAYS PRIOR TO CLOSURE

THE SIGN SHALL DISPLAY THE DATE OF THE CLOSURE IN MMM-DD FORMAT AND THE NUMBER OF DAYS OF THE CLOSURE. THE LAST LINE OF THE W20-H13 SIGN LISTS A PHONE NUMBER WHICH A MOTORIST MAY CALL FOR ADDITIONAL INFORMATION.



W20-H13-60  
 Note: The Contractor is to supply DATE

**NOTIFICATION OF TRAFFIC RESTRICTIONS**

THROUGHOUT THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THE CONTRACTOR SHALL ENSURE THE WRITTEN NOTIFICATION IS SUBMITTED IN A TIMELY MANNER TO ALLOW THE PROJECT ENGINEER TO MEET THE REQUIRED TIME FRAMES SET FORTH IN THE TABLE BELOW TO INFORM SPECIAL HAULING PERMITS SECTION (HAULING.PERMITS@DOT.OHIO.GOV) AND THE DISTRICT PUBLIC INFORMATION OFFICE (PIO). THIS NOTIFICATION SHALL BE RECEIVED BY THE PROJECT ENGINEER PRIOR TO THE PHYSICAL SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS.

INFORMATION SHOULD INCLUDE, BUT IS NOT LIMITED TO, ALL CONSTRUCTION ACTIVITIES THAT IMPACT OR INTERFERE WITH TRAFFIC AND SHALL LIST THE SPECIFIC LOCATION, TYPE OF WORK, ROAD STATUS, DATE AND TIME OF RESTRICTION, DURATION OF RESTRICTION, NUMBER OF LANES MAINTAINED, NUMBER OF LANES CLOSED, MINIMUM VERTICAL CLEARANCE, MINIMUM WIDTH OF DRIVABLE PAVEMENT, DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE PROJECT ENGINEER.

**NOTIFICATION TIME TABLE**

ITEM	DURATION OF CLOSURE	NOTICE DUE TO PERMITS & PIO
RAMP & ROAD CLOSURES	>= 2 WKS	21 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HRS & < 2 WKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	< 12 HRS	4 BUSINESS DAYS PRIOR TO CLOSURE
LANE CLOSURES AND RESTRICTIONS	>= 2 WKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	< 2 WKS	5 BUSINESS DAYS PRIOR TO CLOSURE
START OF CONSTRUCTION & TRAFFIC PATTERN CHANGES	N/A	14 CALENDAR DAYS PRIOR TO IMPLEMENTATION

ANY UNFORESEEN CONDITIONS NOT SPECIFIED IN THE PLANS REQUIRING TRAFFIC RESTRICTIONS SHALL ALSO BE REPORTED TO THE PROJECT ENGINEER USING THE NOTIFICATION TIME TABLE.



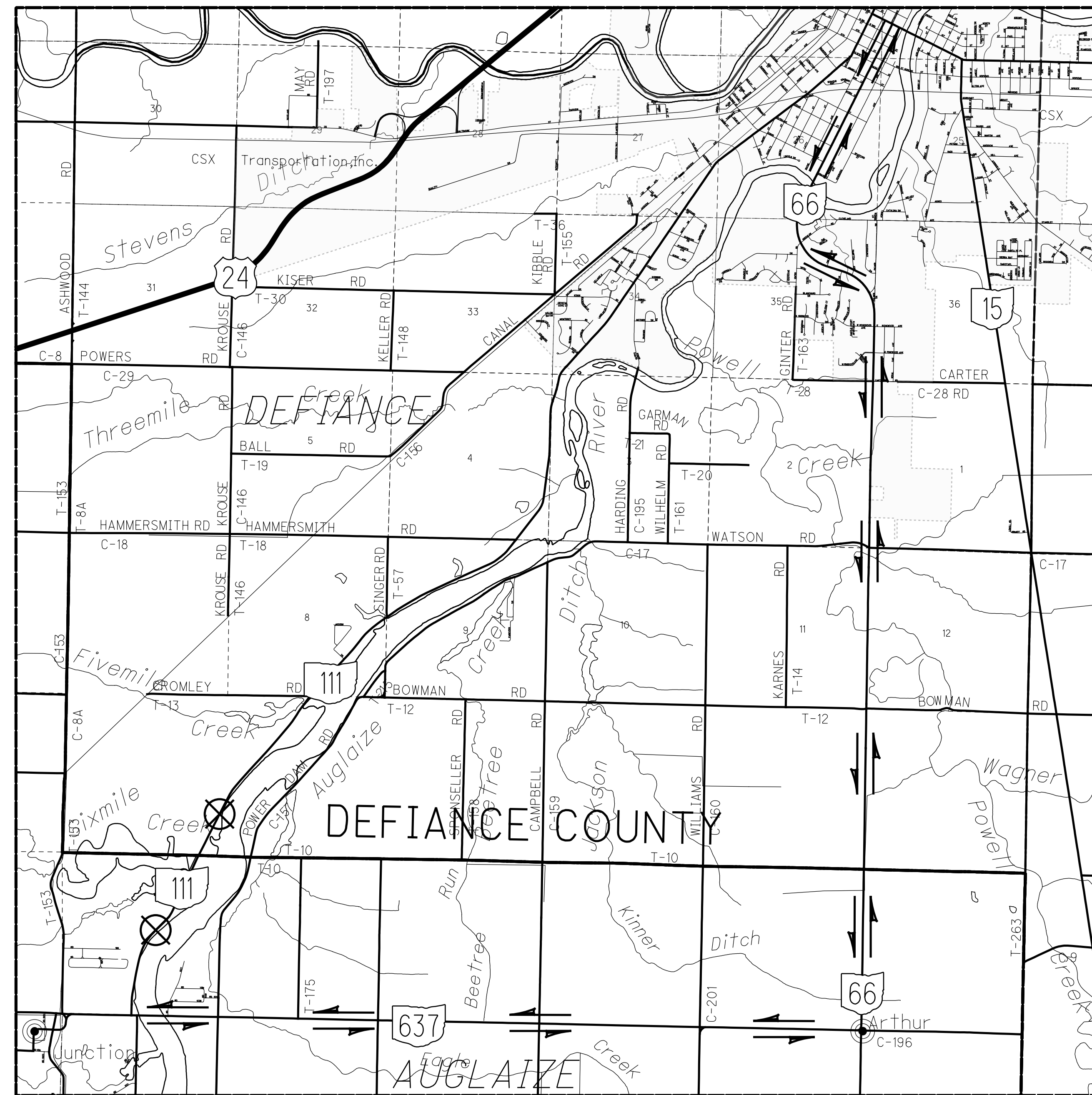
**DESIGNATED LOCAL DETOUR ROUTE**

IN ADDITION TO THE OFFICIAL, SIGNED DETOUR ROUTE, A LOCAL ROUTE HAS BEEN DETERMINED TO BE THE SECONDARY, UNSIGNED DETOUR ROUTE OR "DESIGNATED LOCAL DETOUR ROUTE." THIS ROUTE IS SHOWN ON THIS SHEET. DURING THE TIME THAT TRAFFIC IS DETOURED, THE CONTRACTOR SHALL MAINTAIN THIS ROUTE IN A CONDITION WHICH IS REASONABLY SMOOTH AND FREE FROM HOLES, RUTS, RIDGES, BUMPS, DUST AND STANDING WATER. ONCE THE DETOUR IS REMOVED AND TRAFFIC RETURNED TO ITS NORMAL PATTERN, THE DESIGNATED LOCAL DETOUR ROUTE SHALL BE RESTORED TO A CONDITION THAT IS EQUIVALENT TO THAT WHICH EXISTED PRIOR TO ITS USE FOR THIS PURPOSE. ALL SUCH WORK SHALL BE PERFORMED WHEN AND AS DETERMINED BY THE ENGINEER.

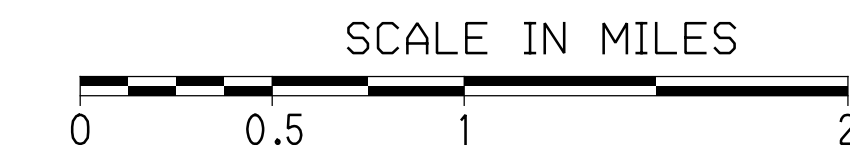
THE FOLLOWING ESTIMATED QUANTITIES ARE PROVIDED FOR USE AS DETERMINED BY THE ENGINEER TO MAINTAIN AND SUBSEQUENTLY RESTORE THE DESIGNATED LOCAL DETOUR ROUTE.

ESTIMATED QUANTITIES			
ITEM	QUANTITY	UNIT	DESCRIPTION
253	20	CY	PAVEMENT REPAIR
407	20	GAL	TACK COAT
441	10	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449) PG64-22
617	50	CY	COMPACTED AGGREGATE
QUANTITIES CARRIED TO GENERAL SUMMARY			

DETOUR MAP



↔ STATE DETOUR ROUTE



⊗ PROJECT LOCATION




MAINTENANCE OF TRAFFIC

DESIGN AGENCY	
DESIGNER	TAB
REVIEWER	MJM 01/19/24
PROJECT ID	119862
SHEET TOTAL	P.06 42

SHEET NUM.											PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
3	4	6	8								01/S5K/66	EXT	TOTAL				
<b>ROADWAY</b>																	
LS											LS	201	11000	LS		CLEARING AND GRUBBING	
35											35	201	21800	35	EACH	TREE REMOVED, 18"	
3											3	201	23000	3	EACH	TREE REMOVED, 30"	
			2,463								2,463	202	38000	2,463	FT	GUARDRAIL REMOVED	
			2								2	202	42000	2	EACH	ANCHOR ASSEMBLY REMOVED, TYPE A	
			2,550								2,550	203	10000	2,550	CY	EXCAVATION	
			179								179	203	20000	179	CY	EMBANKMENT	
			2,401								2,401	606	15051	2,401	FT	GUARDRAIL, TYPE MGS, AS PER PLAN	8
			2								2	606	26150	2	EACH	ANCHOR ASSEMBLY, MGS TYPE E (MASH 2016)	
			1								1	SPECIAL	69050100	1	EACH	MAILBOX SUPPORT SYSTEM, SINGLE	4
			1								1	SPECIAL	69050350	1	EACH	MAILBOX REMOVED AND RESET	4
<b>EROSION CONTROL</b>																	
			8,910								8,910	601	32110	8,910	CY	ROCK CHANNEL PROTECTION, TYPE B WITH AGGREGATE FILTER, T = 3'	
			1,359								1,359	659	10000	1,359	SY	SEEDING AND MULCHING	
			0.18								0.18	659	20000	0.18	TON	COMMERCIAL FERTILIZER	
			0.28								0.28	659	31000	0.28	ACRE	LIME	
			7.3								7.3	659	35000	7.3	MGAL	WATER	
											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	
25,000											25,000	832	30000	25,000	EACH	EROSION CONTROL	
<b>PAVEMENT</b>																	
			122								122	617	10100	122	CY	COMPACTED AGGREGATE	
<b>TRAFFIC CONTROL</b>																	
			23								23	626	00110	23	EACH	BARRIER REFLECTOR, TYPE 2, BIDIRECTIONAL	
			33								33	630	03100	33	FT	GROUND MOUNTED SUPPORT, NO. 3 POST	
			2								2	630	08600	2	EACH	SIGN POST REFLECTOR	
			12								12	630	80100	12	SF	SIGN, FLAT SHEET	
<b>MAINTENANCE OF TRAFFIC</b>																	
		20									20	253	02000	20	CY	PAVEMENT REPAIR	
		20									20	407	10000	20	GAL	TACK COAT	
		10									10	441	70000	10	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22	
		50									50	617	10100	50	CY	COMPACTED AGGREGATE	
<b>INCIDENTALS</b>																	
											LS	614	11000	LS		MAINTAINING TRAFFIC	
											9	619	16010	9	MNTH	FIELD OFFICE, TYPE B	
											LS	623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
											LS	624	10000	LS		MOBILIZATION	

GENERAL SUMMARY

DESIGN AGENCY  
  
 DESIGNER  
**TAB**  
 REVIEWER  
 MJM 01/19/24  
 PROJECT ID  
 119862  
 SHEET TOTAL  
 P.07 42

EARTHWORK		203		601	659
SHEET	LOCATION	EXCAVATION	EMBANKMENT	ROCK CHANNEL PROTECTION, TYPE B, WITH FILTER	SEEDING AND MULCHING
		CY	CY	CY	SY
PAULDING					
10	S.R. 111			1374	
11	S.R. 111			2020	
12	S.R. 111			2032	
13	S.R. 111				
14	S.R. 111	39	1		30
15	S.R. 111	350	4		46
16	S.R. 111	382	4		37
17	S.R. 111	400	4		37
18	S.R. 111	200	5		42
19	S.R. 111	162	6		46
20	S.R. 111	153	4		48
21	S.R. 111	159	5		50
22	S.R. 111	89	8		51
23	S.R. 111	73	6		49
24	S.R. 111	28	7		51
25	S.R. 111	37	8		51
26	S.R. 111	58	9		52
27	S.R. 111	131	9		53
28	S.R. 111	41	11		74
29	S.R. 111	5	9		79
DEFIANCE					
30	S.R. 111			1479	
31	S.R. 111			2004	
32	S.R. 111	2	21		75
33	S.R. 111	5	14		47
34	S.R. 111	40	8		55
35	S.R. 111	7	9		56
36	S.R. 111	6	7		41
					1
					57
37	S.R. 111	12	7		31
38	S.R. 111	8	2		48
39	S.R. 111	29	2		42
40	S.R. 111	25	4		51
41	S.R. 111	84	3		
42	S.R. 111				59
TOTALS CARRIED TO THE GENERAL SUMMARY		2550	179	8910	1359

REF NO.	SHEET NO.	STATION TO STATION		202	202	606	606	617	SPECIAL	SPECIAL	626	630	630	630
			TO	GUARDRAIL REMOVED	ANCHOR ASSEMBLY REMOVED, TYPE T	GUARDRAIL, TYPE MGS, AS PER PLAN	ANCHOR ASSEMBLY, TYPE E(MASH 2016)	COMPACTED AGGREGATE	MAILBOX SUPPORT SYSTEM, SINGLE	MAILBOX REMOVED AND RESET	BARRIER REFLECTOR, TYPE 2	GROUND MOUNTED SUPPORT, NO. 3 POST	SIGN POST REFLECTOR	SIGN, FLAT SHEET
				FT	EACH	FT	EACH	CY	EACH	EACH	EACH	FT	EACH	SF
GR-1	9	STA. 106+75	STA. 110+50	375		375		18.51852			3			
GR-2	10	STA. 110+50	STA. 115+50	500		500		24.69136			5			
GR-3	11	STA. 115+50	STA. 120+50	500		500		24.69136			5			
GR-4	12	STA. 120+50	STA. 121+82	132	1	74	1	6.518519			1			
GR-5	29	STA. 18+40	STA. 23+50	460	1	456	1	22.71605			4			
GR-6	30	STA. 23+50	STA. 28+50	496		496		24.49383			5			
S-1	11	STA. 117+00	D10-H8-12									9		1
S-2	11	STA. 118+00	W1-2L-36									15	1	9
S-3	12	STA. 120+52	DND											
S-4	12	STA. 120+54	DND											
S-5	30	STA. 19+54	Custom									9	1	2
MB-1	30	STA. 22+14							1	1				
TOTALS CARRIED TO GENERAL SUMMARY				2463	2	2401	2	122	1	1	23	33	2	12

SUBSUMMARY

CALCULATIONS
ITEM 659 - COMMERCIAL FERTILIZER (1359)(9)(1/1000)(30)(1/2000) = 0.18 TON
ITEM 659 - WATER (2)(1407)(9)(1/1000)(300)(1/1000) = 7.3 MGAL
ITEM 659 - LIME (1407)(1)/(4840) = .28 ACRES
TOTALS CARRIED TO GENERAL SUMMARY

DESIGN AGENCY



DESIGNER  
TAB

REVIEWER  
MJM 01/19/24

PROJECT ID  
119862

SHEET TOTAL  
P.08 | 42





SITE PLAN

**CURVE DATA**  
P.I. = STA. 98+92.26  
 $\Delta = 00^{\circ}00'00''$  RT  
Dc = 00'00'00"  
R = 0.00'  
Ls = 0.00'  
 $\Theta_s = 00^{\circ}00'00''$   
LT = 0.00'  
ST = 0.00'  
Lc = 0.00'  
Ts = 0.00'  
Es = 0.00'  
Emax =  
T.S. =  
S.C. = 98+92.26  
C.S. = 98+92.26  
S.T. =

**CURVE DATA**  
P.I. = STA. 98+92.26  
 $\Delta = 00^{\circ}00'00''$  LT  
Dc = 00'00'00"  
R = 0.00'  
L = 0.00'  
T = 0.00'  
E = 0.00'

**SPIRAL DATA**  
P.I. = STA. 104+99.86  
Ls = 499.97'  
 $\Theta_s = 08^{\circ}34'38''$   
LT = 333.71'  
ST = 167.01'  
x = 498.85'  
y = 24.91'  
k = 249.80'  
p = 6.23'  
C = 499.47'  
Start = Sta. 101+66.16  
End = Sta. 106+66.13  
C.B. = N15°21'41"E

**SPIRAL DATA**  
P.I. = STA. 113+19.33  
Ls = 449.97'  
 $\Theta_s = 07^{\circ}43'10''$   
LT = 300.27'  
ST = 150.25'  
x = 447.80'  
y = 40.33'  
k = 224.85'  
p = 5.05'  
C = 449.61'  
Start = Sta. 111+69.08  
End = Sta. 116+19.05  
C.B. = N43°29'02"E

**CURVE DATA**  
P.I. = STA. 18+50.00  
 $\Delta = 00^{\circ}00'00''$  RT  
Dc = 00'00'00"  
R = 0.00'  
T = 0'  
L = 0'  
E = 0'

DESIGN AGENCY



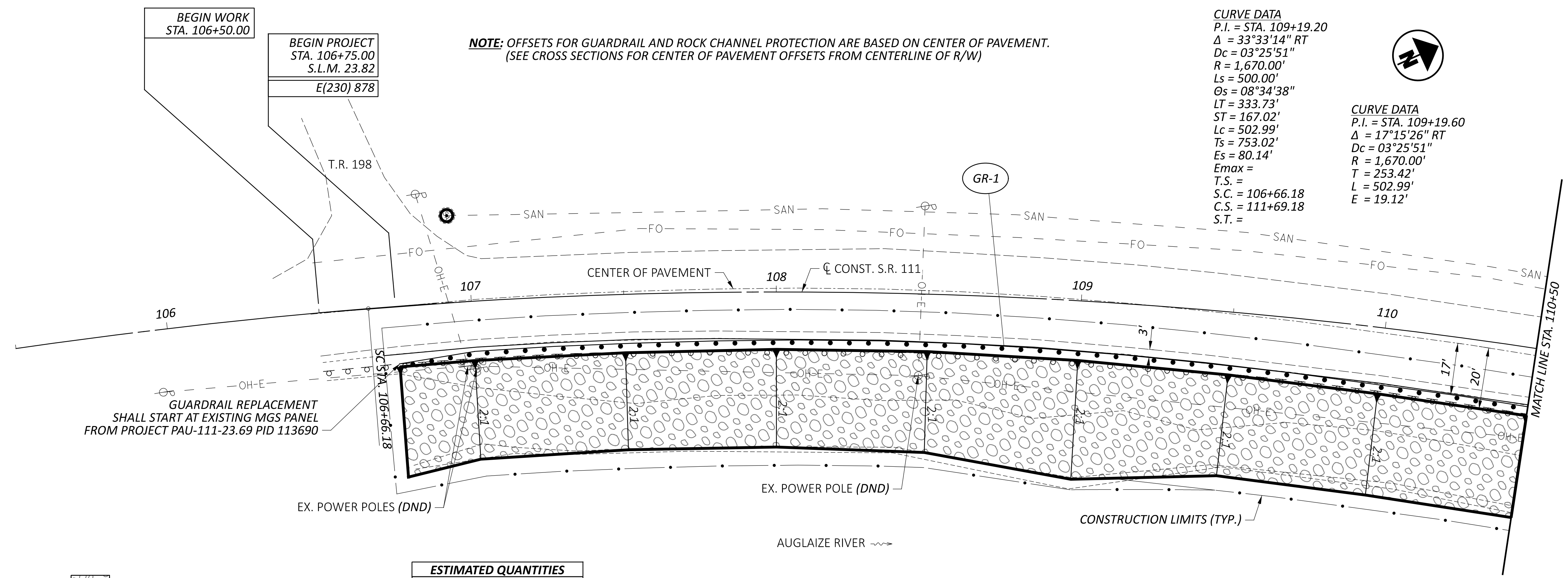
DESIGNER  
TAB

REVIEWER

XXX MM-DD-YY

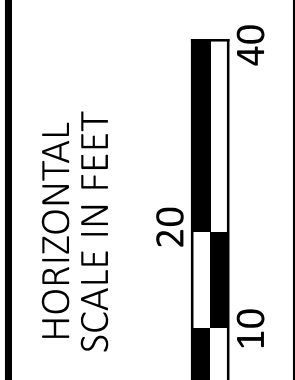
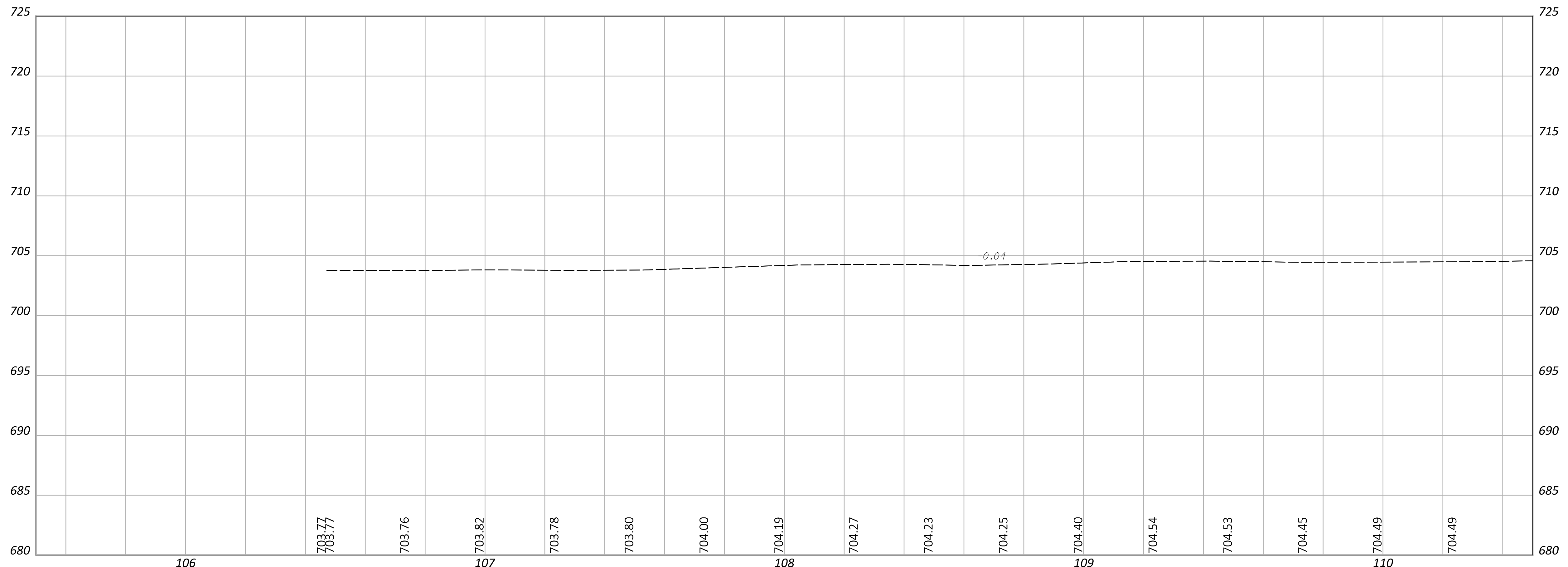
PROJECT ID  
119862

SHEET TOTAL  
P.09 | 42



ITEM 601 - ROCK CHANNEL PROTECTION, TYPE B WITH AGGREGATE FILTER, T=3'

ESTIMATED QUANTITIES		
ITEM		SHEET
GUARDRAIL - GR	-	8
SIGN - S	-	8



PLAN & PROFILE (PAU-111-23.82)  
 STA. 105+50.00 TO STA. 110+50.00

DESIGN AGENCY



DESIGNER  
 TAB

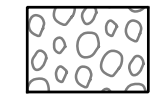
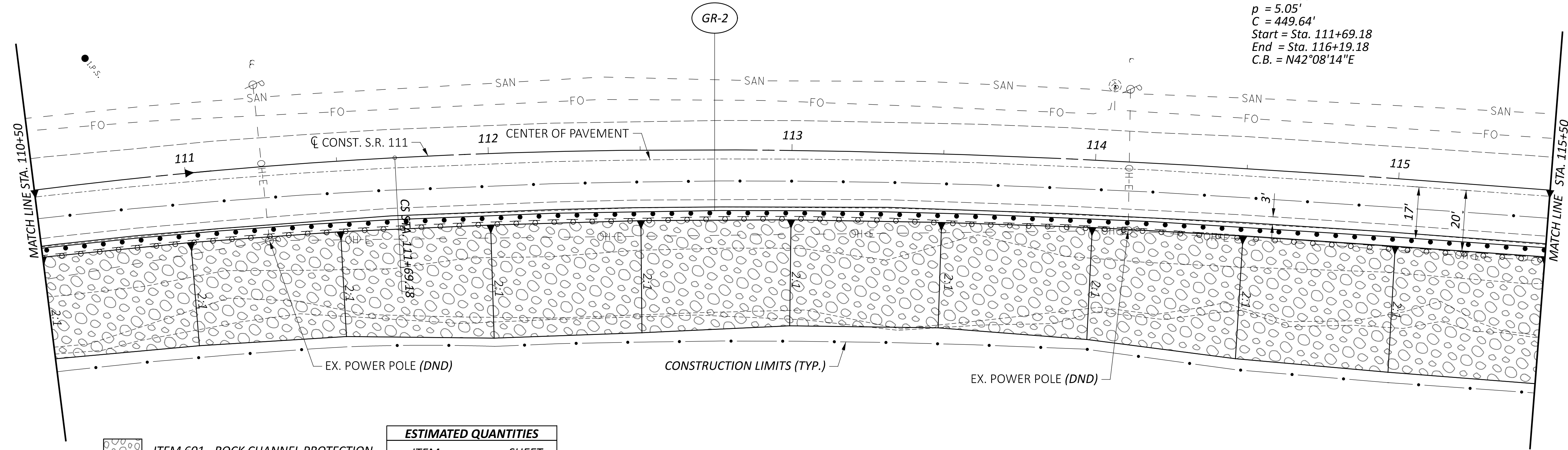
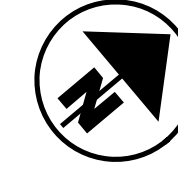
REVIEWER  
 MJM 01/19/24

PROJECT ID  
 119862

SHEET TOTAL  
 P.10 42

**NOTE:** OFFSETS FOR GUARDRAIL AND ROCK CHANNEL PROTECTION ARE BASED ON CENTER OF PAVEMENT.  
 (SEE CROSS SECTIONS FOR CENTER OF PAVEMENT OFFSETS FROM CENTERLINE OF R/W)

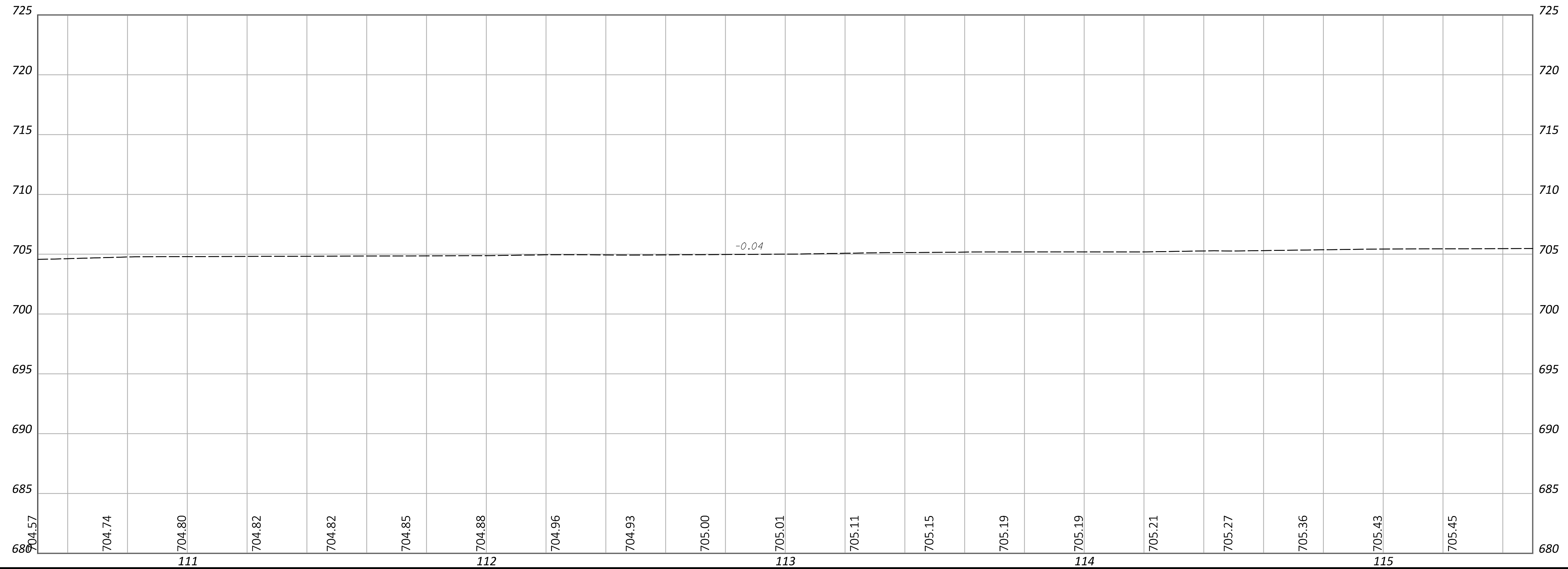
**SPIRAL DATA**  
 P.I. = STA. 113+19.44  
 Ls = 450.00'  
 Os = 07°43'10"  
 LT = 300.29'  
 ST = 150.26'  
 x = 447.82'  
 y = 40.34'  
 k = 224.86'  
 p = 5.05'  
 C = 449.64'  
 Start = Sta. 111+69.18  
 End = Sta. 116+19.18  
 C.B. = N42°08'14"E



ITEM 601 - ROCK CHANNEL PROTECTION,  
 TYPE B WITH FILTER, T=3'

ESTIMATED QUANTITIES		
ITEM		SHEET
GUARDRAIL - GR		8
SIGN - S		8

AUGLAIZE RIVER



**PLAN & PROFILE (PAU-111-23.82)**  
 STA. 110+50.00 TO STA. 115+50.00

DESIGN AGENCY




DESIGNER  
**TAB**

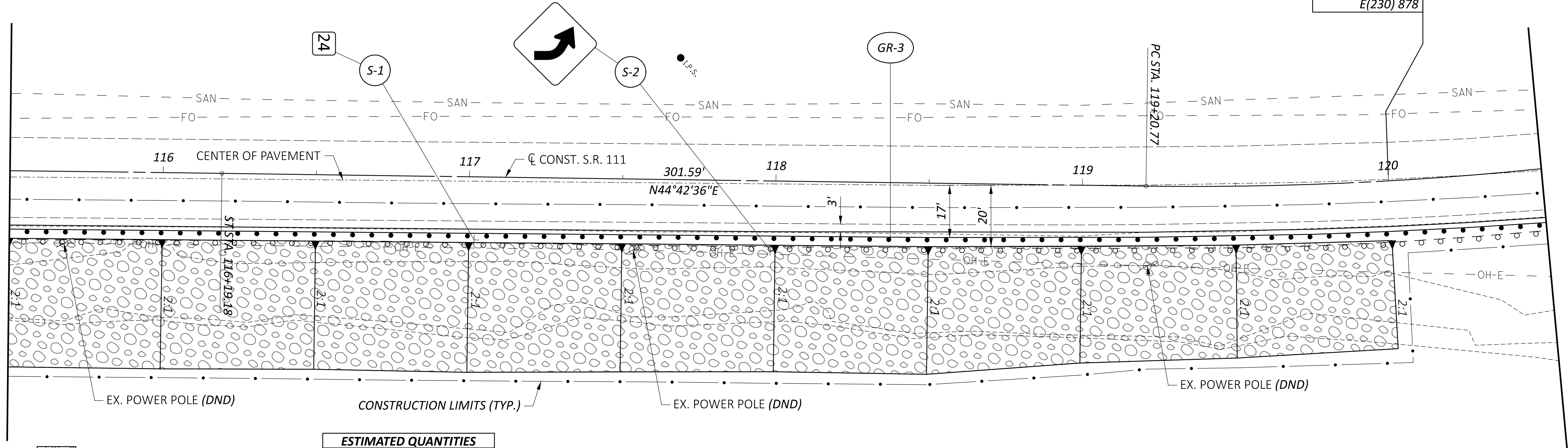
REVIEWER  
**MJM 01/19/24**

PROJECT ID  
**119862**

SHEET TOTAL  
 P.11 | 42

**NOTE: OFFSETS FOR GUARDRAIL AND ROCK CHANNEL PROTECTION ARE BASED ON CENTER OF PAVEMENT.  
 (SEE CROSS SECTIONS FOR CENTER OF PAVEMENT OFFSETS FROM CENTERLINE OF R/W)**

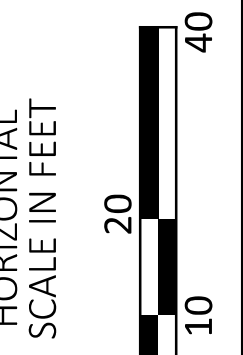
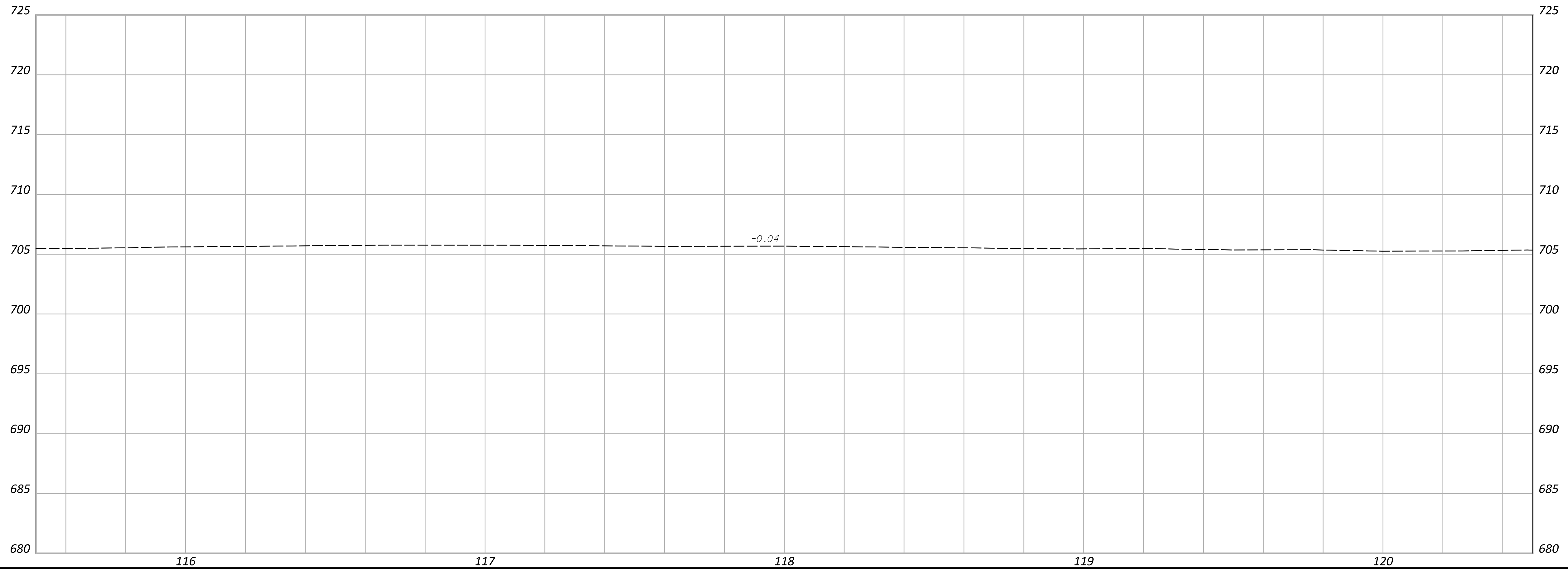
  
 SUSPEND PROJECT  
 STA. 120+00.00  
 S.L.M. 24.08  
 E(230) 878



ITEM 601 - ROCK CHANNEL PROTECTION,  
 TYPE B WITH FILTER, T=3'

ESTIMATED QUANTITIES		
ITEM		SHEET
GUARDRAIL - GR		8
SIGN - S		8

AUGLAIZE RIVER



**PLAN & PROFILE (PAU-111-23.82)  
 STA. 115+50.00 TO STA. 120+50.00**

DESIGN AGENCY

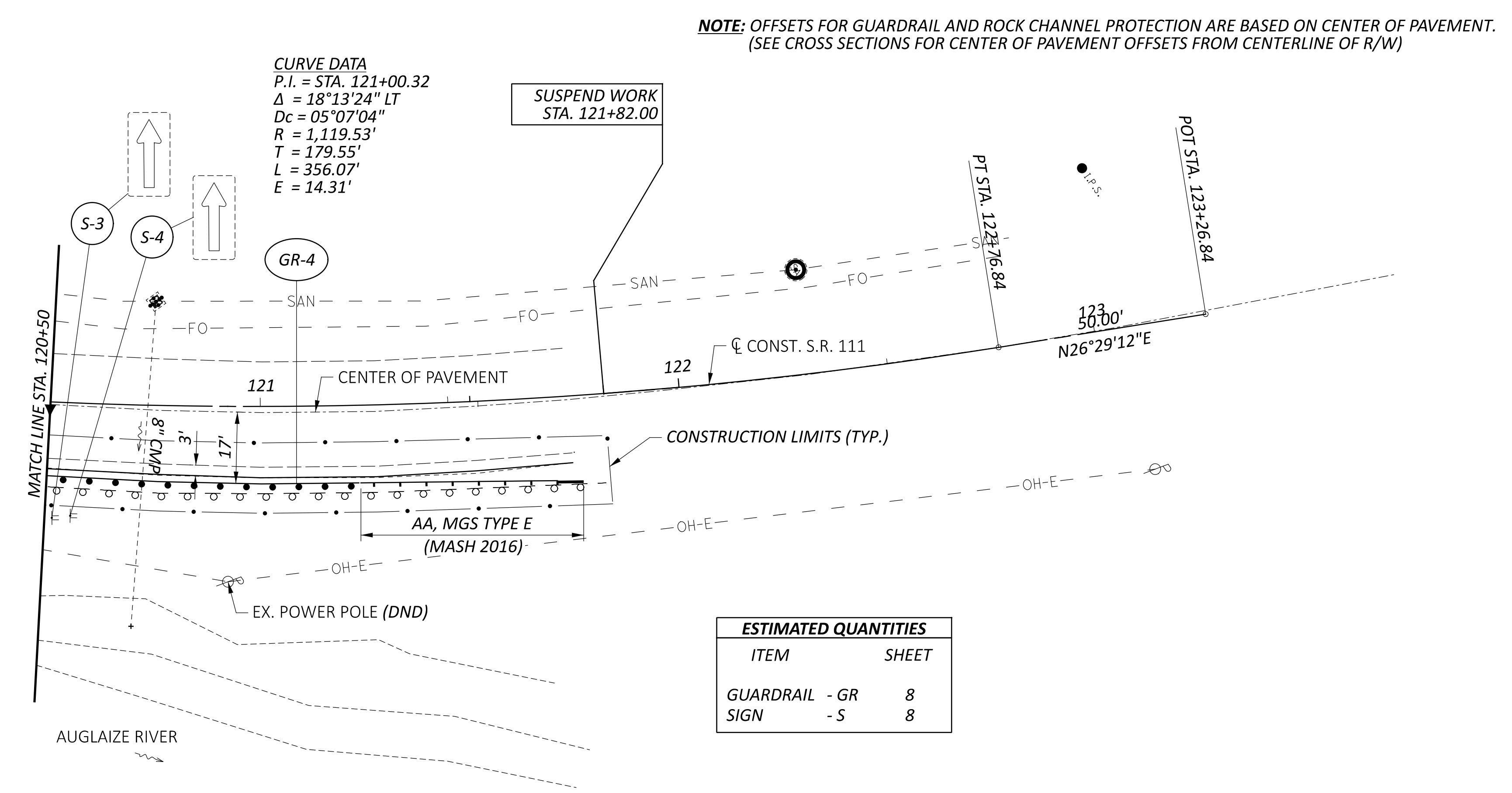


DESIGNER  
**TAB**

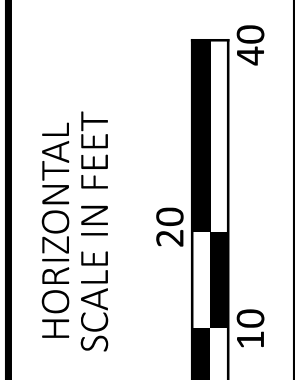
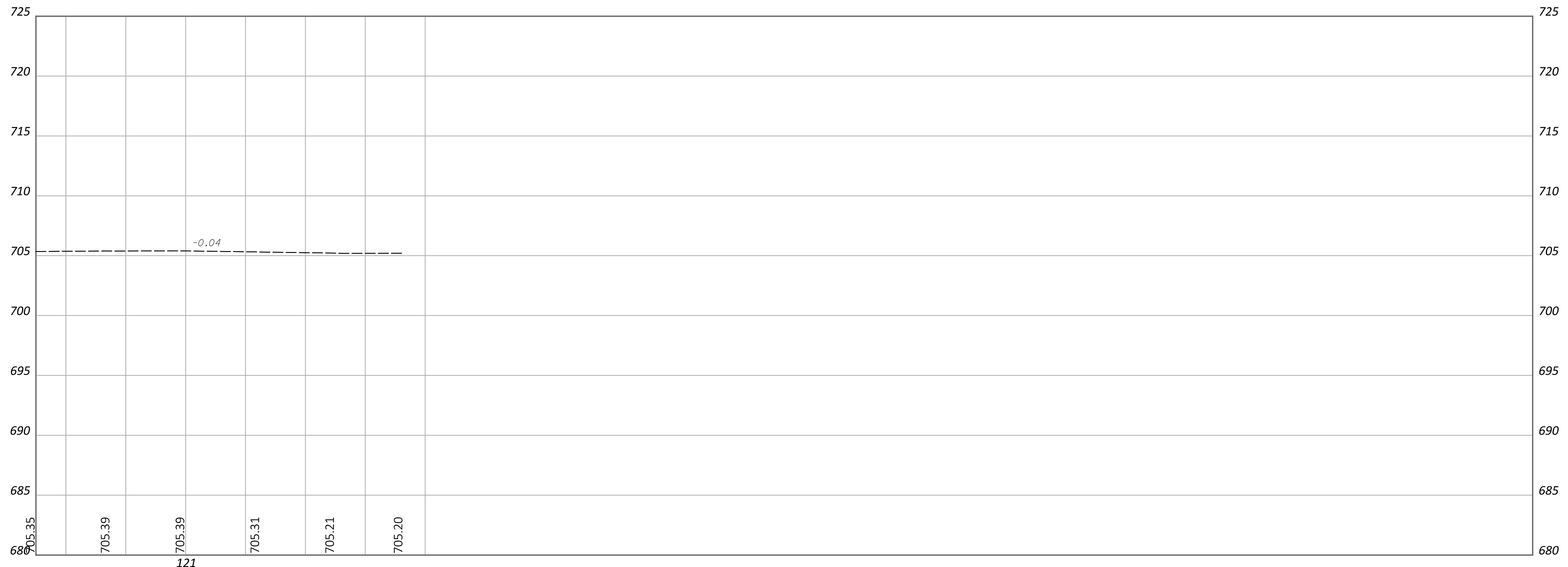
REVIEWER  
**MJM 01/19/24**

PROJECT ID  
**119862**

SHEET TOTAL  
 P.12 | 42



ESTIMATED QUANTITIES		
ITEM		SHEET
GUARDRAIL - GR		8
SIGN - S		8



PLAN & PROFILE (PAU-111-23.82)  
 STA. 120+50.00 TO STA. 122+00.00

DESIGN AGENCY

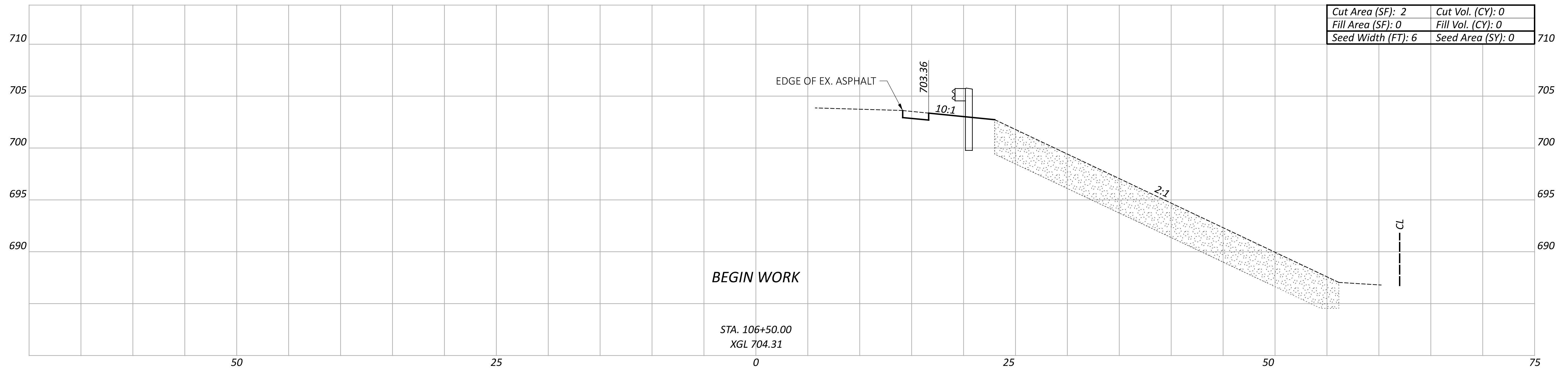
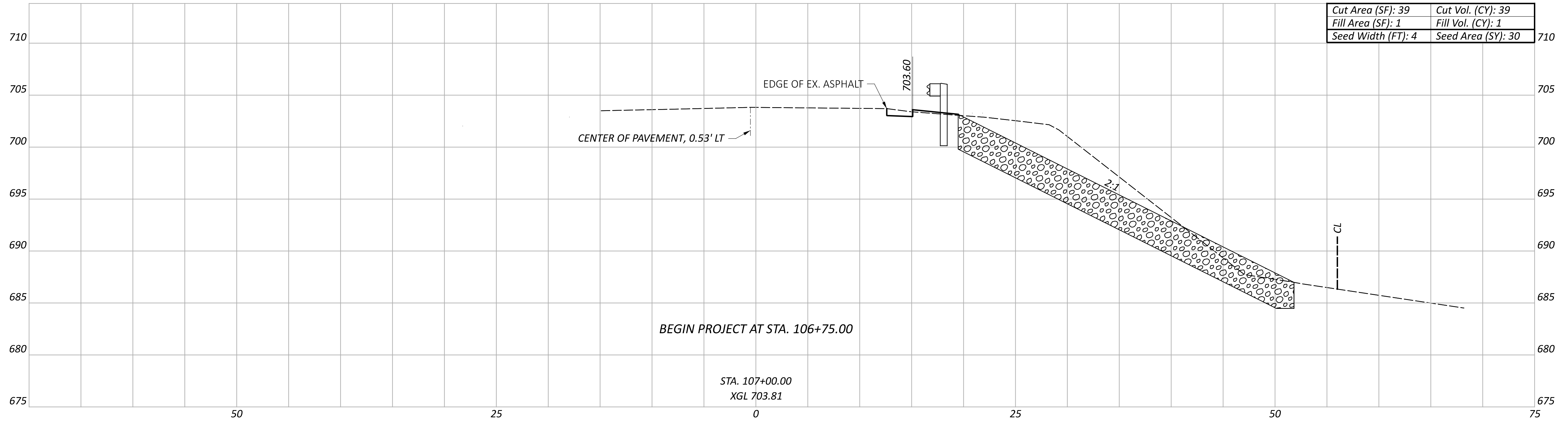


DESIGNER  
 TAB

REVIEWER  
 MJM 01/19/24

PROJECT ID  
 119862

SHEET TOTAL  
 P.13 42



CROSS SECTIONS  
 STA. 106+50.00 TO STA. 107+00.00

DESIGN AGENCY



DESIGNER

TAB

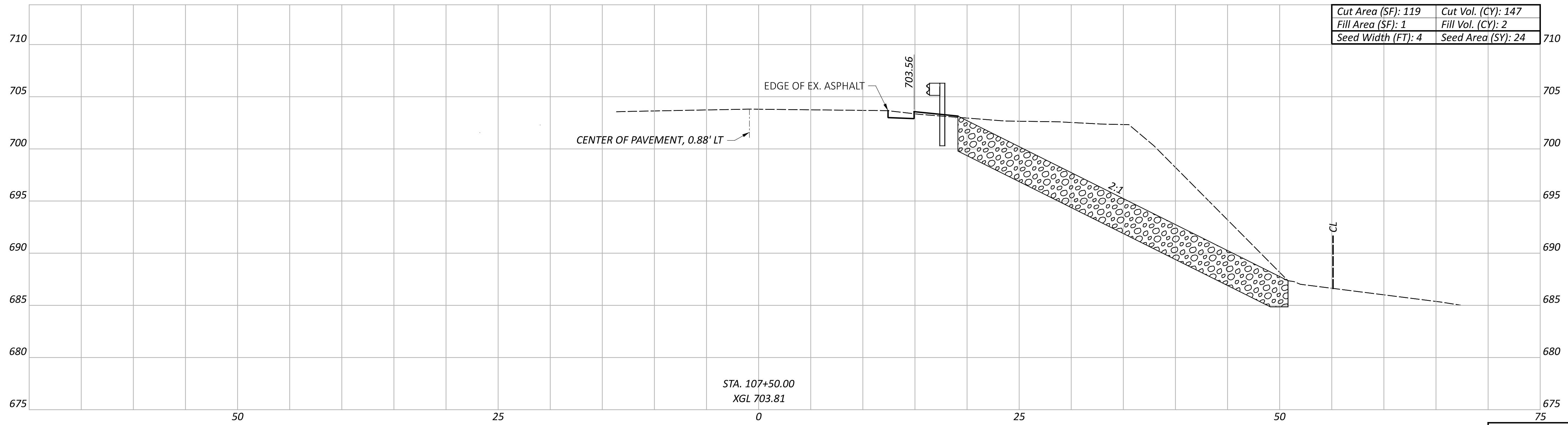
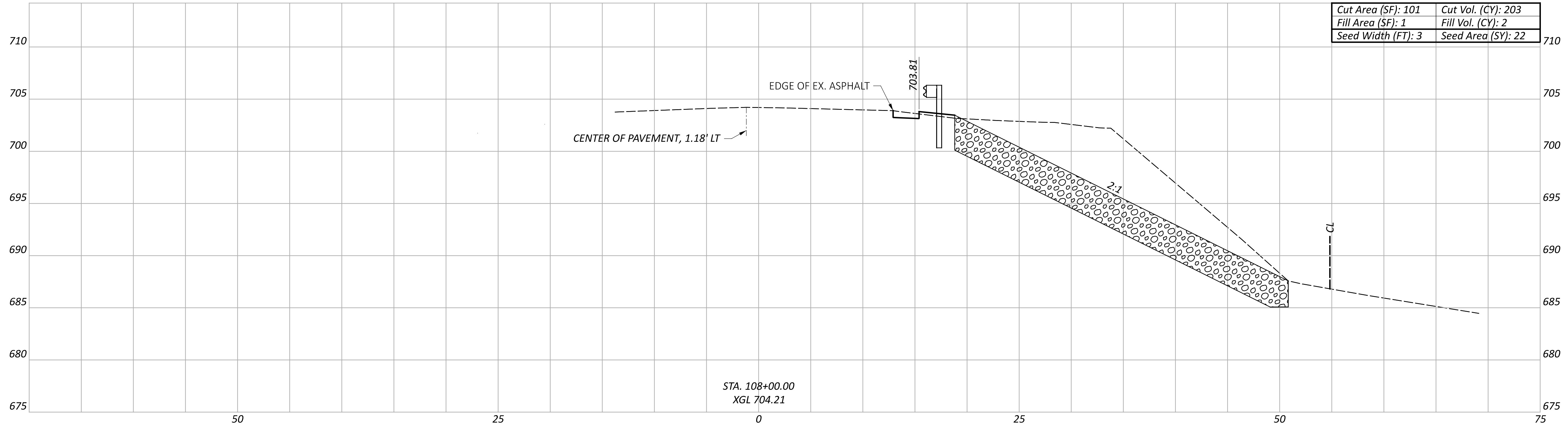
REVIEWER

RJM 01/19/24


PROJECT ID

119862

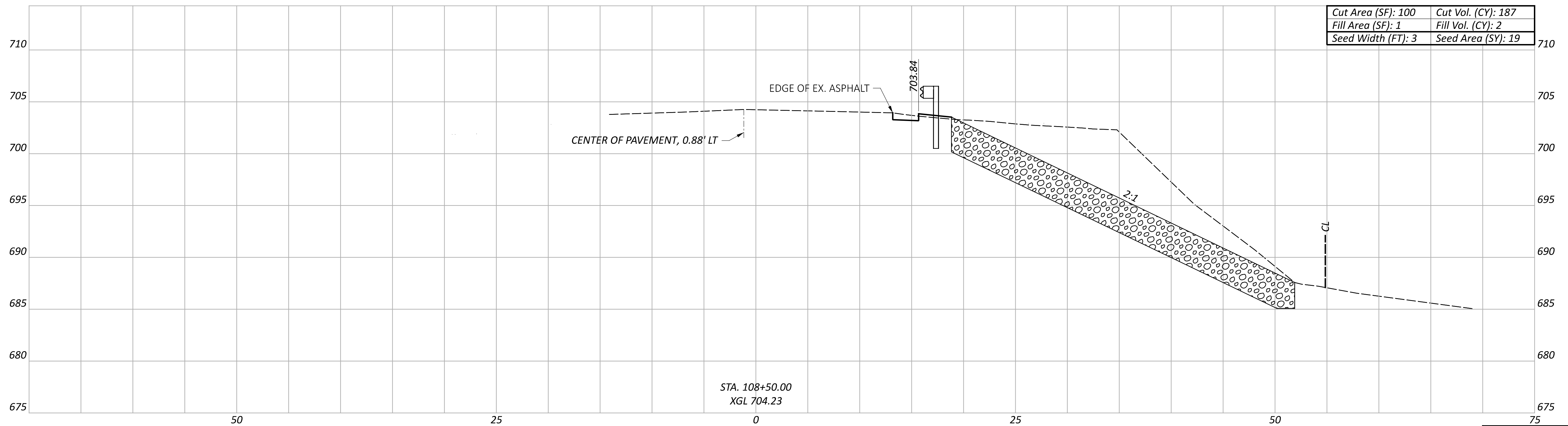
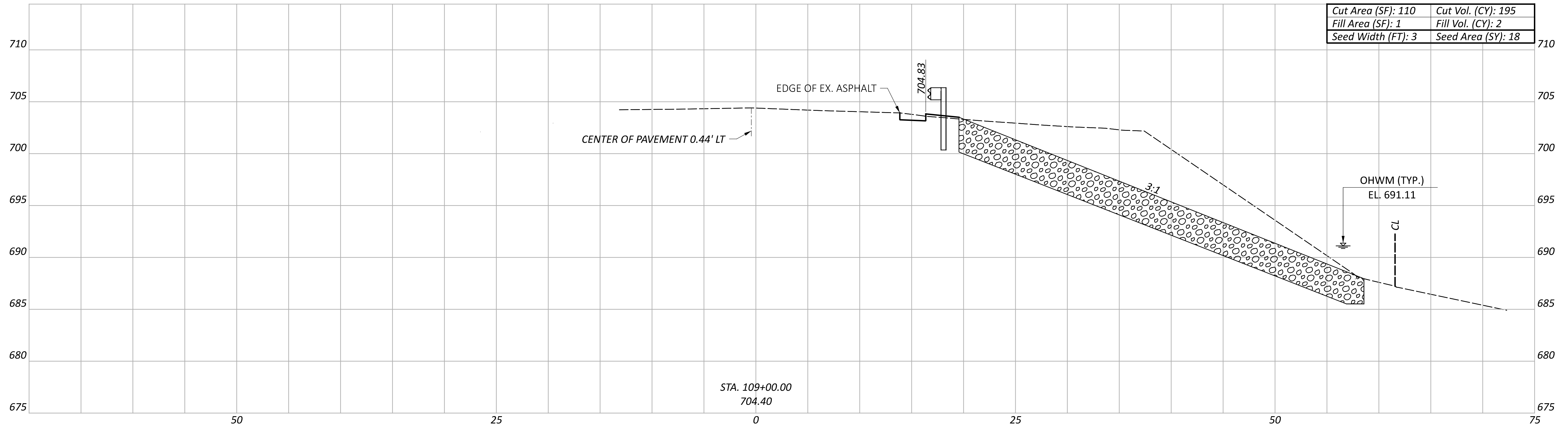
Sheet Totals			TOTAL	
Seeding	Cut	Fill	SHEET	TOTAL
30	39	1	P.14	42



CROSS SECTIONS  
 STA. 107+50.00 TO STA. 108+00.00

DESIGN AGENCY  
  
 DESIGNER  
**TAB**  
 REVIEWER  
 RJM 01/19/24  
 PROJECT ID  
 119862

Sheet Totals			SHEET TOTAL	
Seeding	Cut	Fill	P.15	42
46	350	4		



Sheet Totals			119862	
Seeding	Cut	Fill	SHEET	TOTAL
37	382	4	P.16	42

DESIGN AGENCY



DESIGNER

TAB

REVIEWER

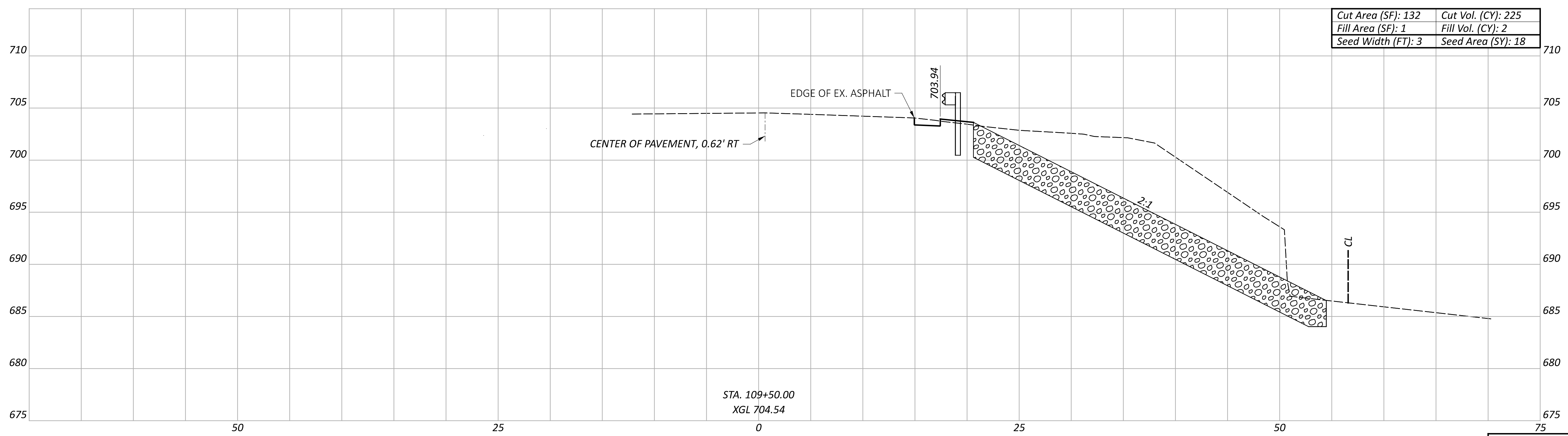
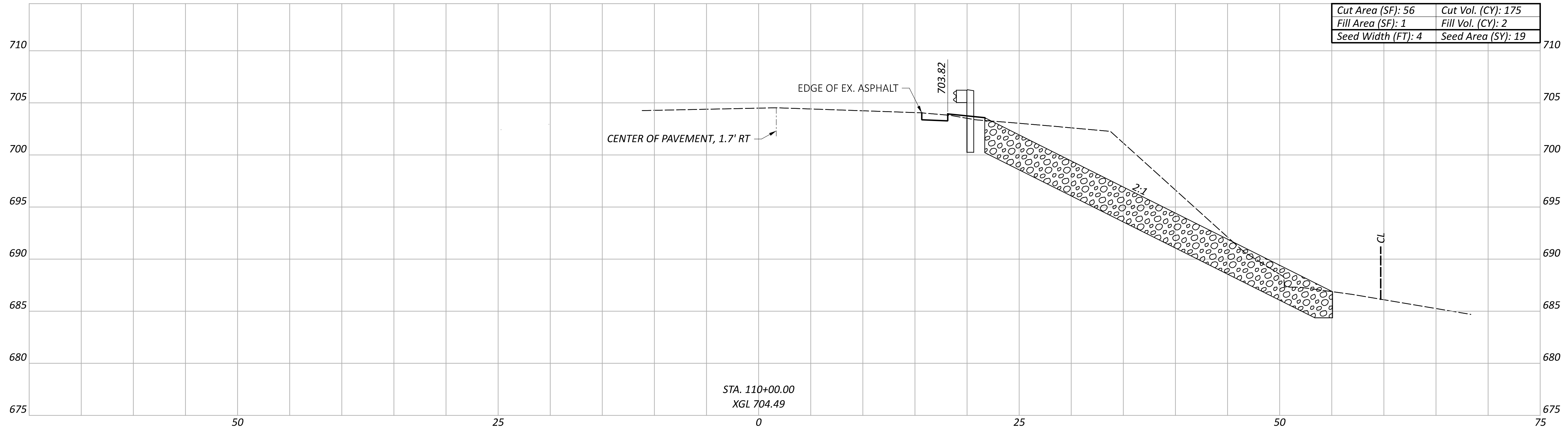
RJM 01/19/24

PROJECT ID

119862

CROSS SECTIONS  
 STA. 108+50.00 TO STA. 109+00.00





CROSS SECTION  
 STA. 109+50.00 TO STA. 110+00.00

DESIGN AGENCY

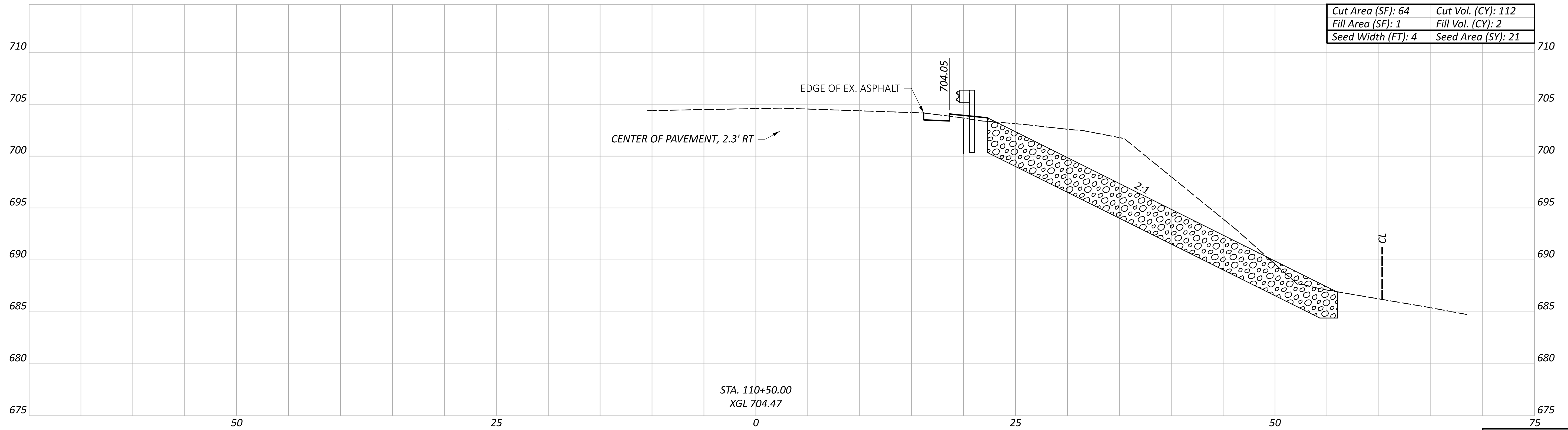
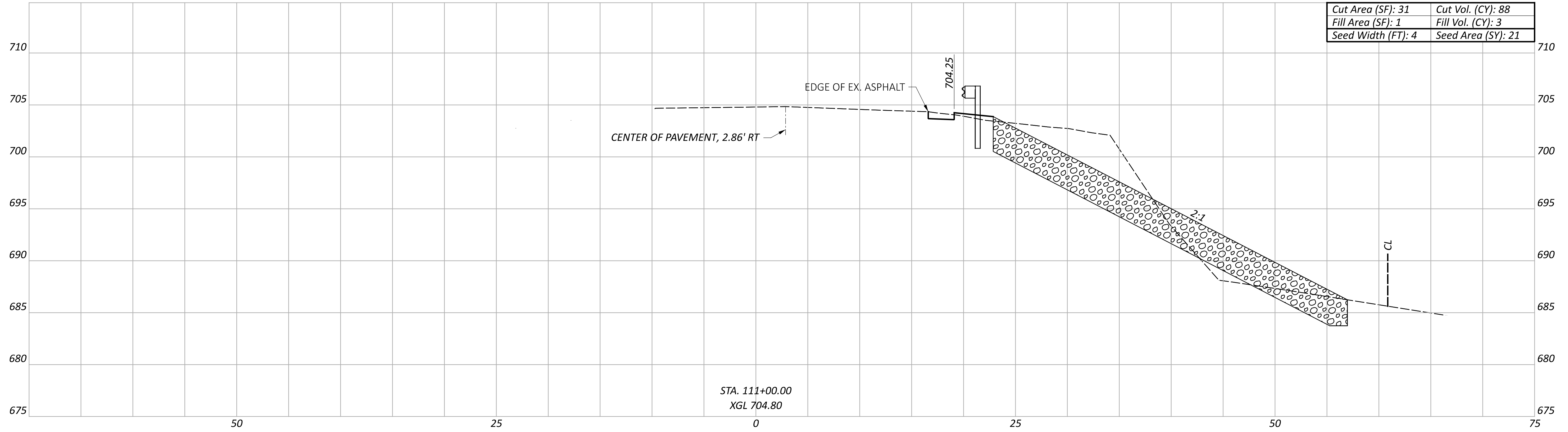


DESIGNER  
 TAB

REVIEWER  
 RJM 01/19/24

PROJECT ID  
 119862

Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill	P.17	42
37	400	4		



CROSS SECTIONS  
 STA. 110+50.00 TO STA. 111+50.00

DESIGN AGENCY



DESIGNER

TAB

REVIEWER

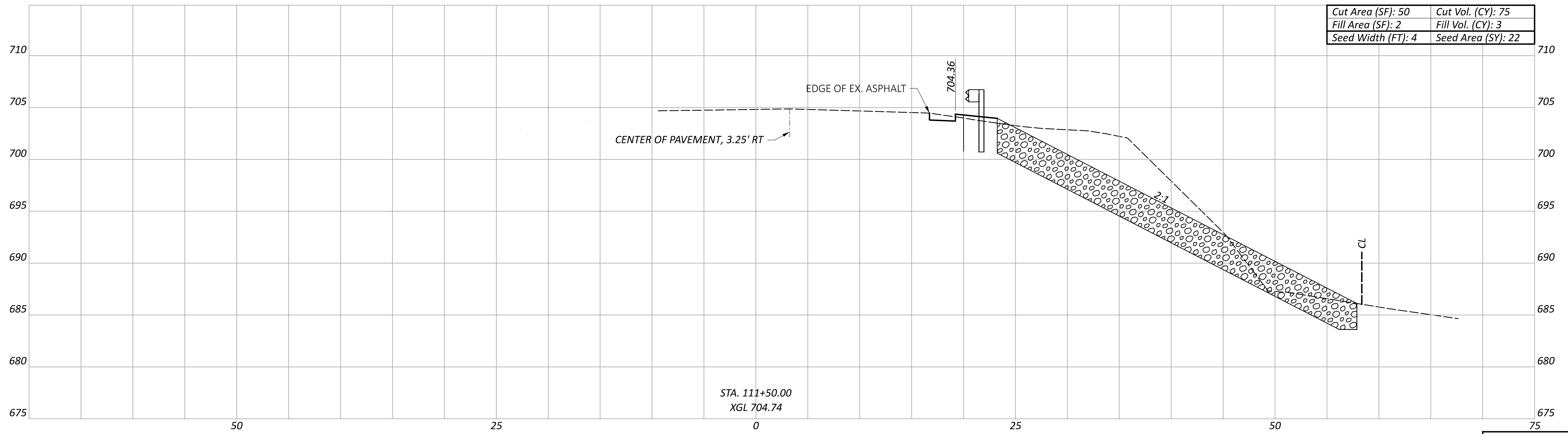
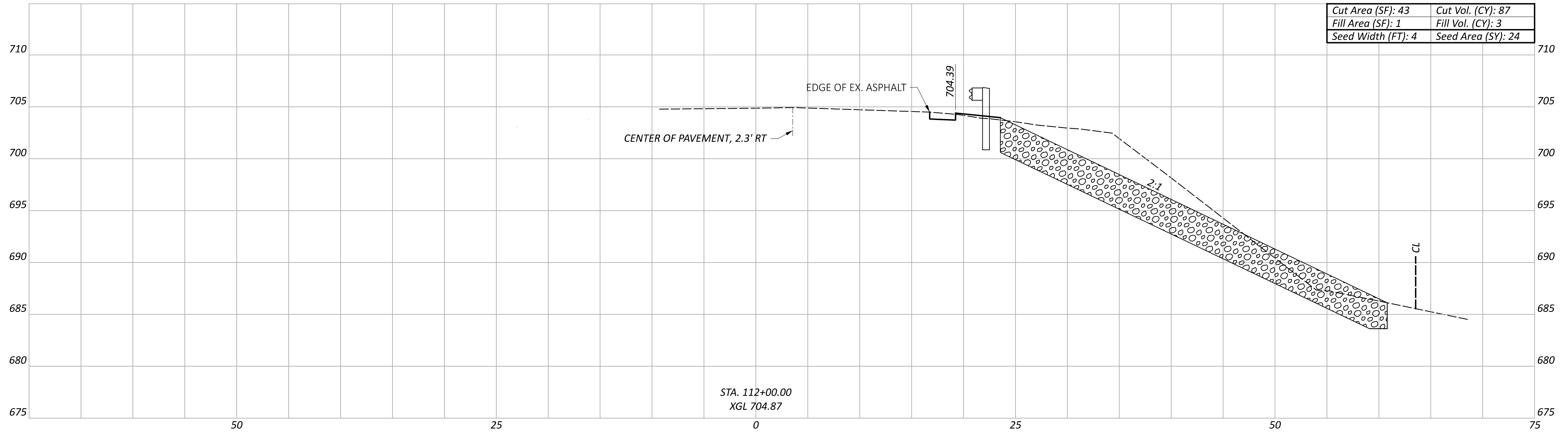
RJM 01/19/24

PROJECT ID

119862

Sheet Totals		
Seeding	Cut	Fill
42	200	5

SHEET	TOTAL
P.18	42



CROSS SECTIONS  
 STA. 111+50.00 TO STA. 112+00.00

DESIGN AGENCY



DESIGNER

TAB

REVIEWER

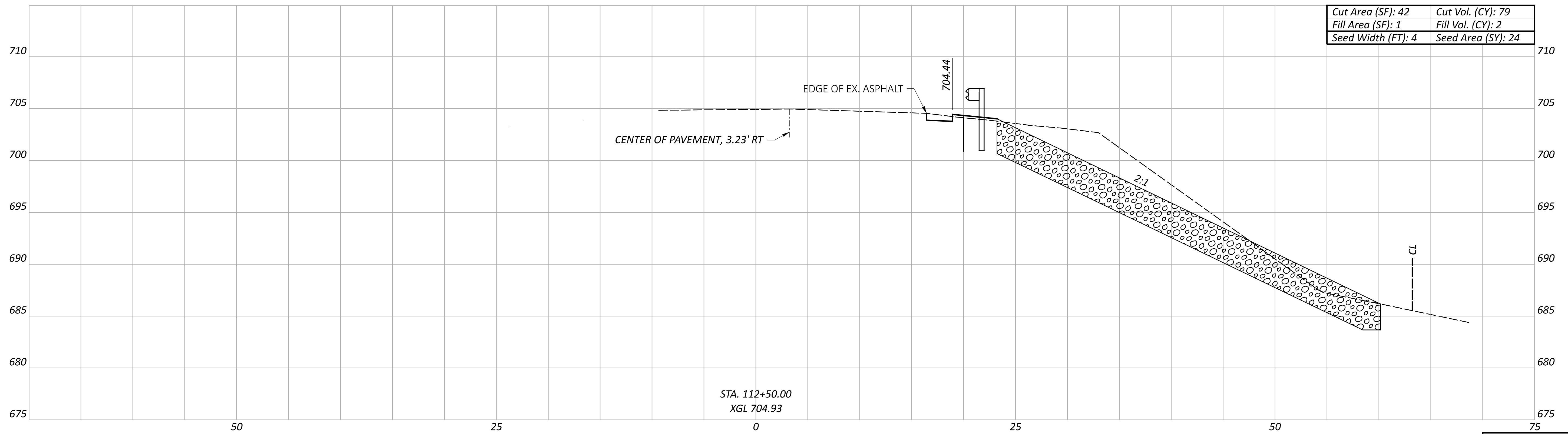
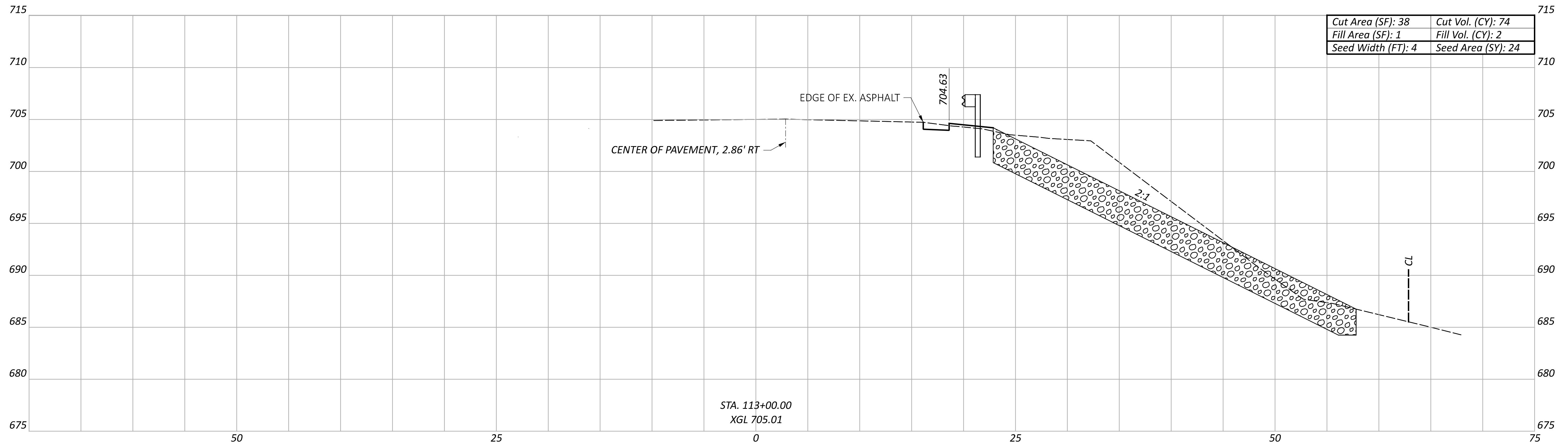
RJM 01/19/24

PROJECT ID

119862

Sheet Totals		
Seeding	Cut	Fill
46	162	6

SHEET	TOTAL
P.19	42



Sheet Totals			119862	
Seeding	Cut	Fill	SHEET	TOTAL
48	153	4	P.20	42

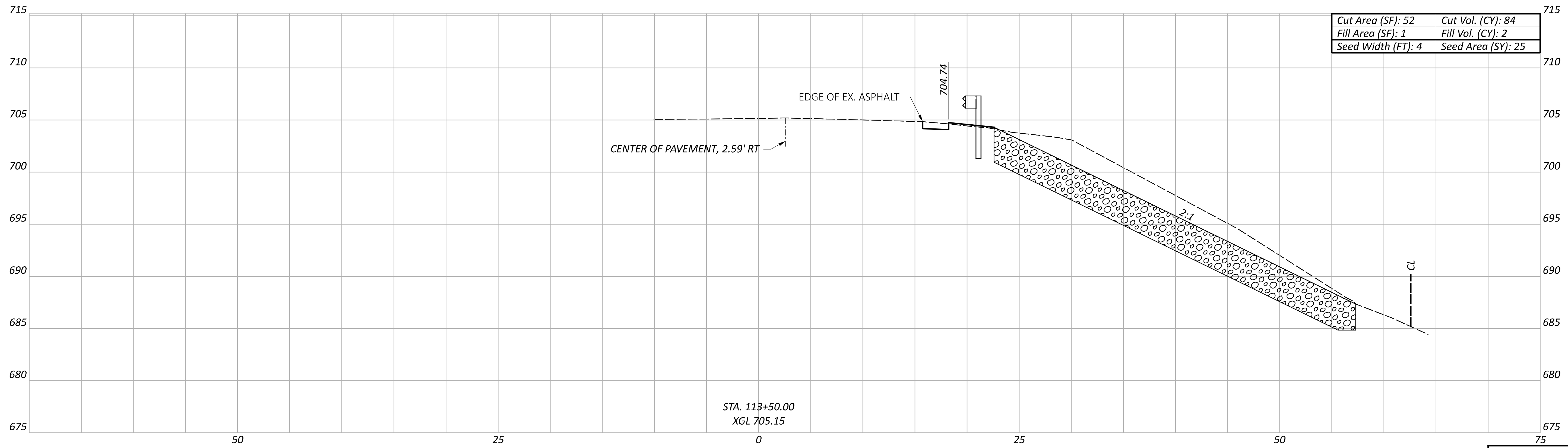
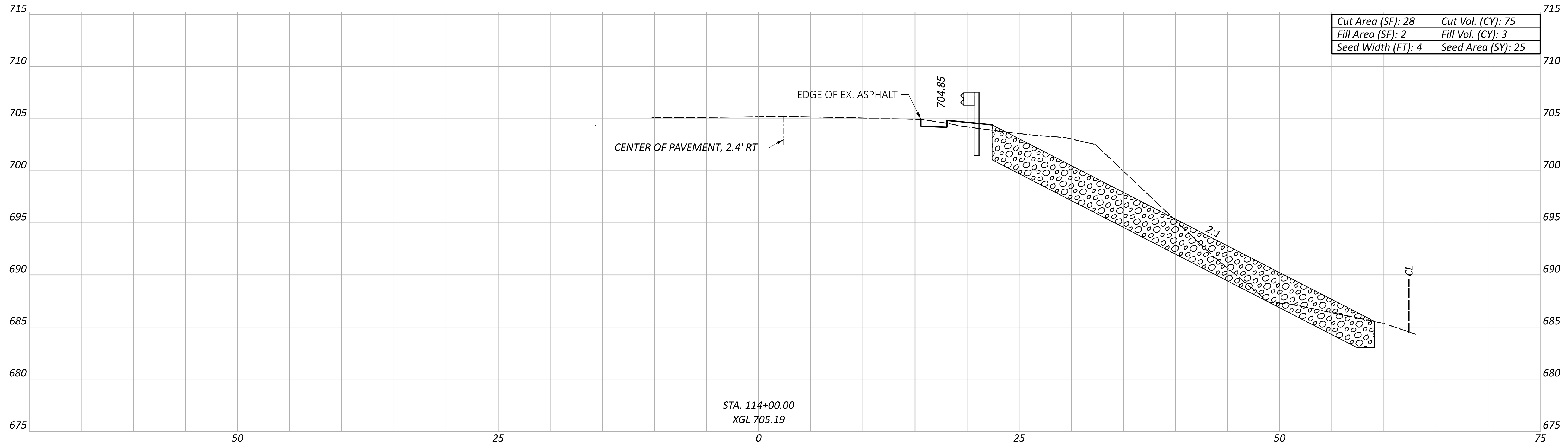
CROSS SECTIONS  
 STA. 112+50.00 TO STA. 113+00.00

DESIGN AGENCY

DESIGNER  
**TAB**

REVIEWER  
 RJM 01/19/24

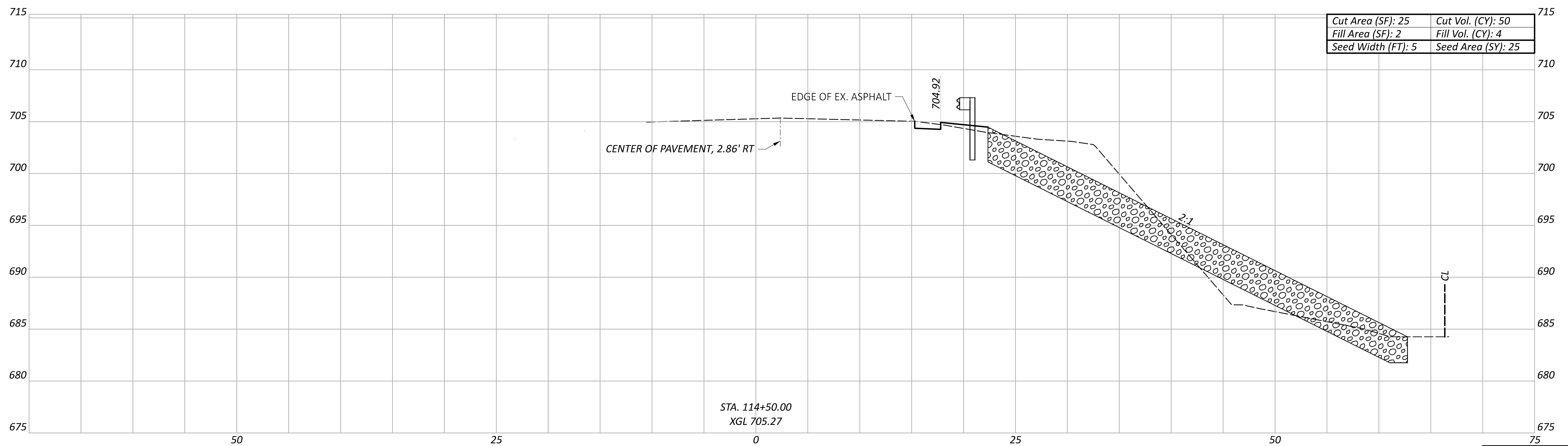
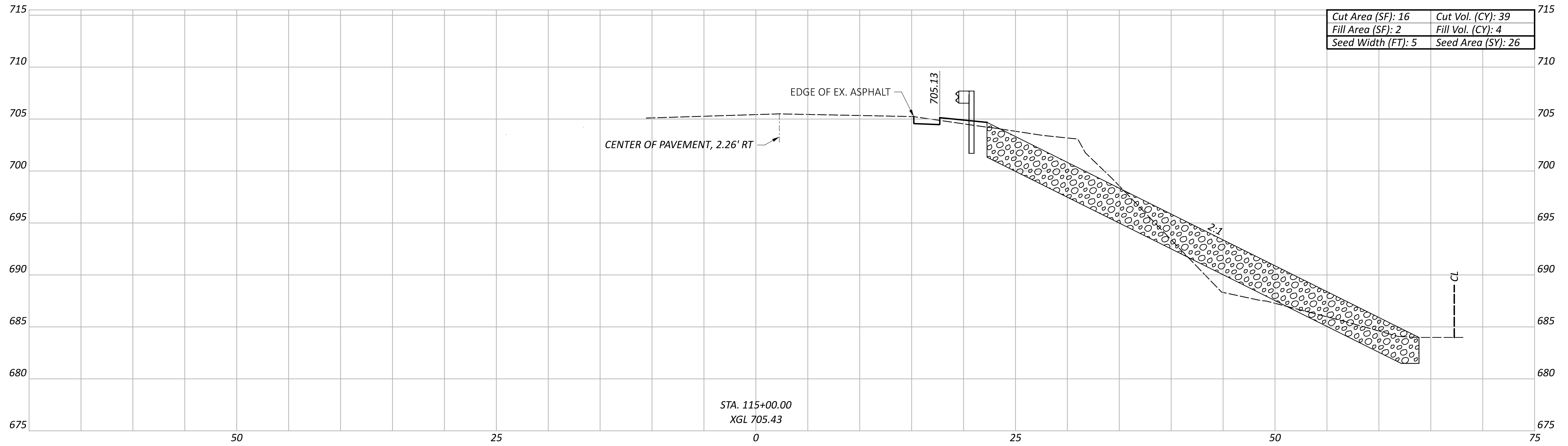
PROJECT ID  
 119862



CROSS SECTIONS  
 STA. 113+50.00 TO STA. 114+00.00


DESIGN AGENCY	
DESIGNER	TAB
REVIEWER	RJM 01/19/24
PROJECT ID	119862

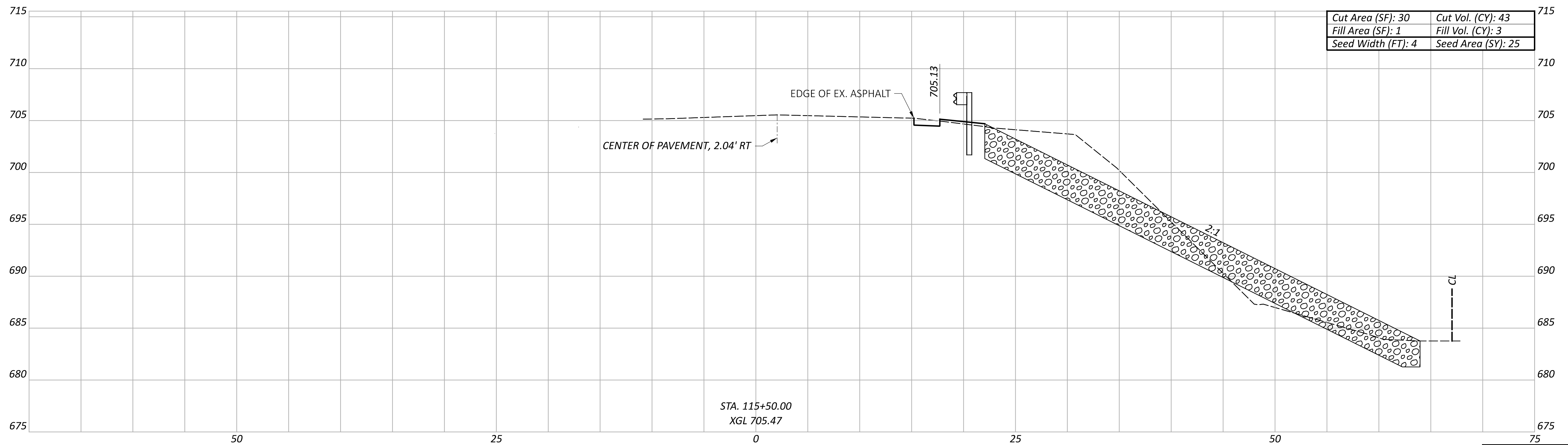
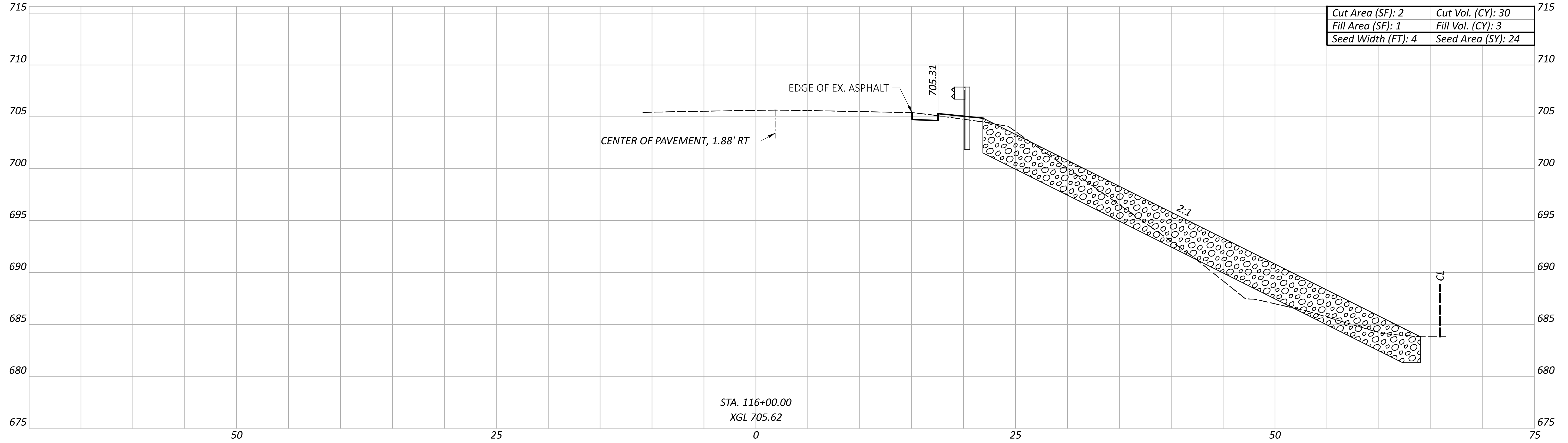
Sheet Totals			SHEET TOTAL	
Seeding	Cut	Fill	P.21	42
50	159	5		



Sheet Totals			TOTAL	
Seeding	Cut	Fill	P.22	42
51	89	8		

CROSS SECTIONS  
 STA. 114+50.00 TO STA. 115+00.00


DESIGN AGENCY  
  
 DESIGNER  
**TAB**  
 REVIEWER  
 RJM 01/19/24  
 PROJECT ID  
 119862



Sheet Totals			119862	
Seeding	Cut	Fill	SHEET	TOTAL
49	73	6	P.23	42

CROSS SECTIONS  
 STA. 115+50.00 TO STA. 116+00.00

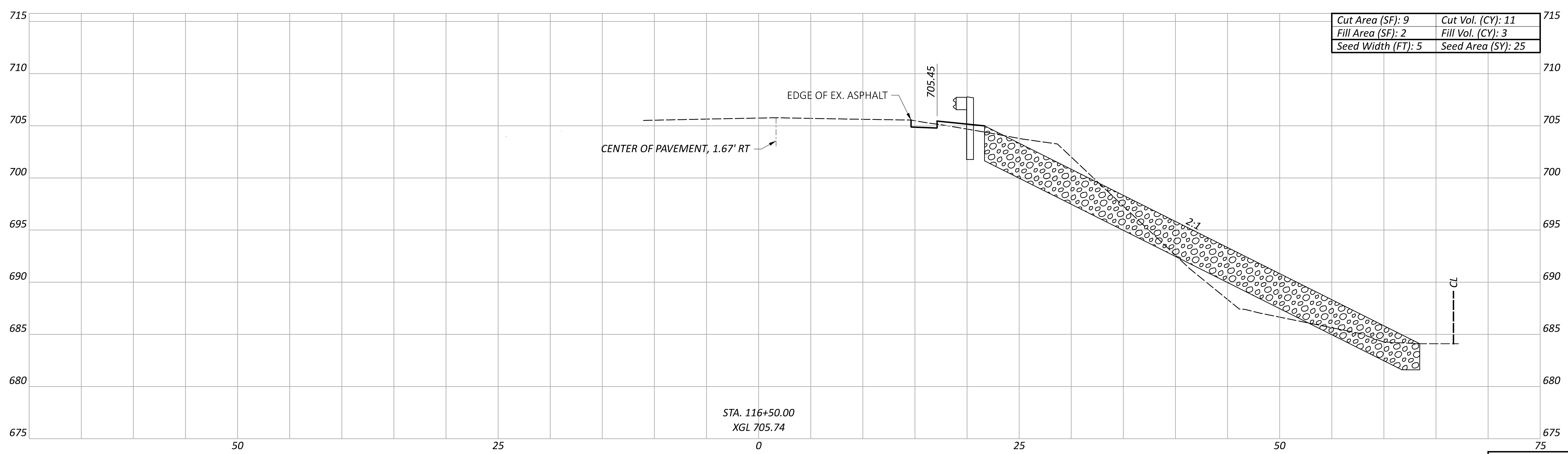
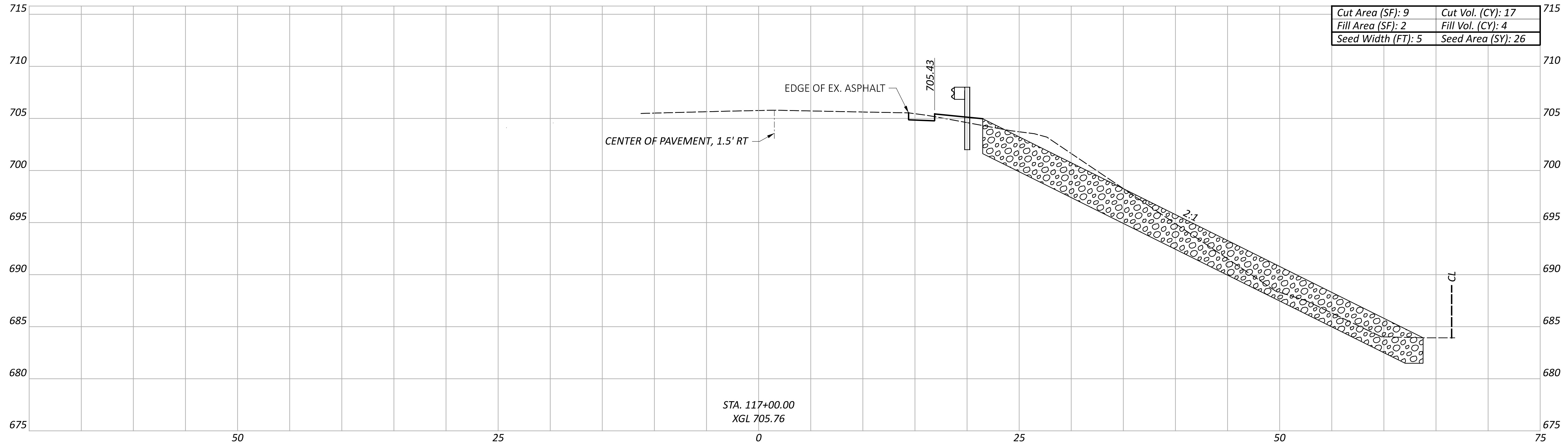
DESIGN AGENCY



DESIGNER  
**TAB**

REVIEWER  
 RJM 01/19/24

PROJECT ID  
 119862



Sheet Totals			119862	
Seeding	Cut	Fill	SHEET	TOTAL
51	28	7	P.24	42

CROSS SECTIONS  
 STA. 116+50.00 TO STA. 117+00.00

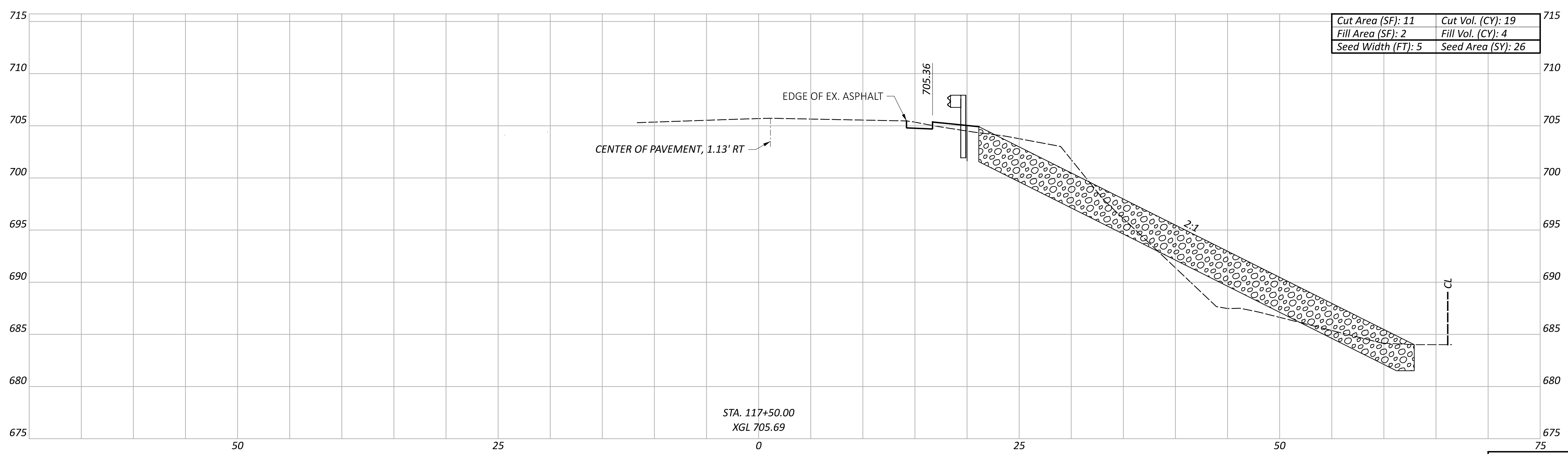
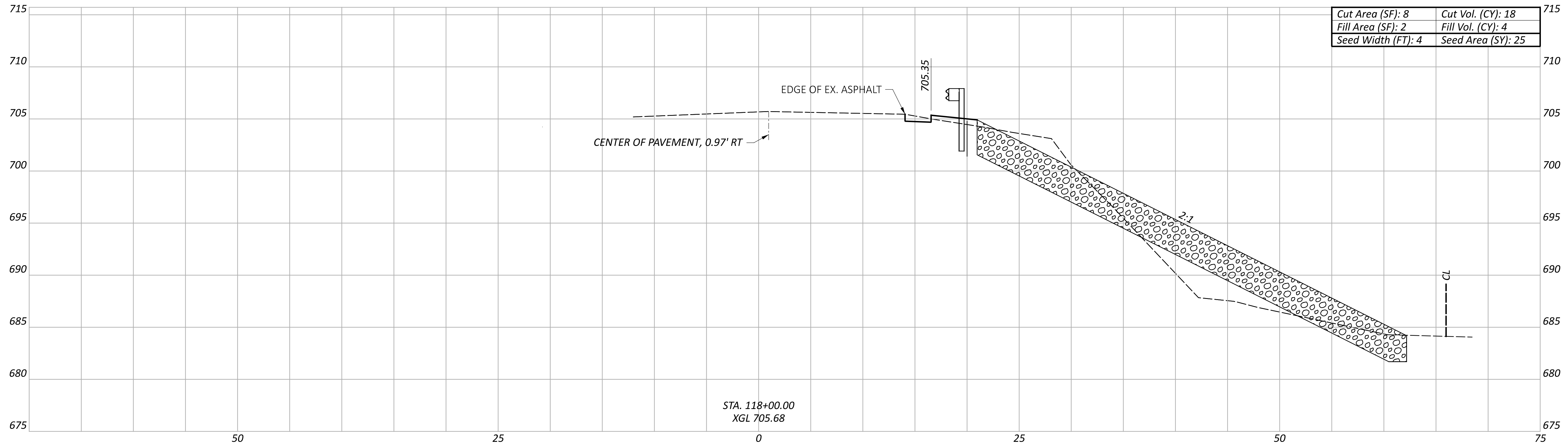
DESIGN AGENCY

DESIGNER  
**TAB**

REVIEWER  
 RJM 01/19/24

PROJECT ID  
 119862





CROSS SECTIONS  
STA. 117+50.00 TO STA. 118+00.00

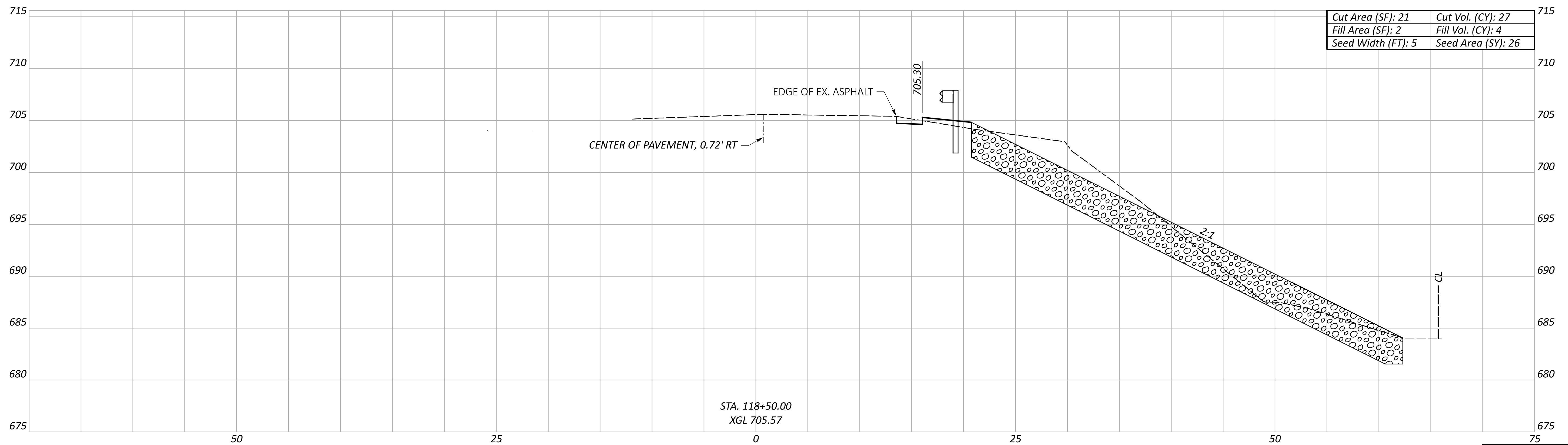
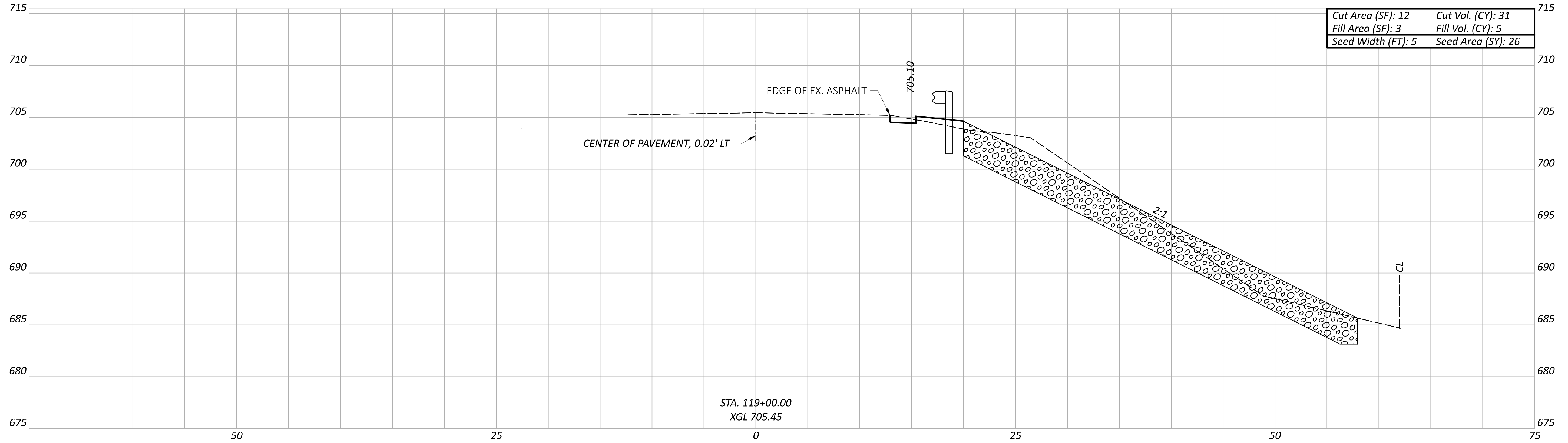
DESIGN AGENCY

DESIGNER  
TAB

REVIEWER  
RJM 01/19/24


PROJECT ID  
119862

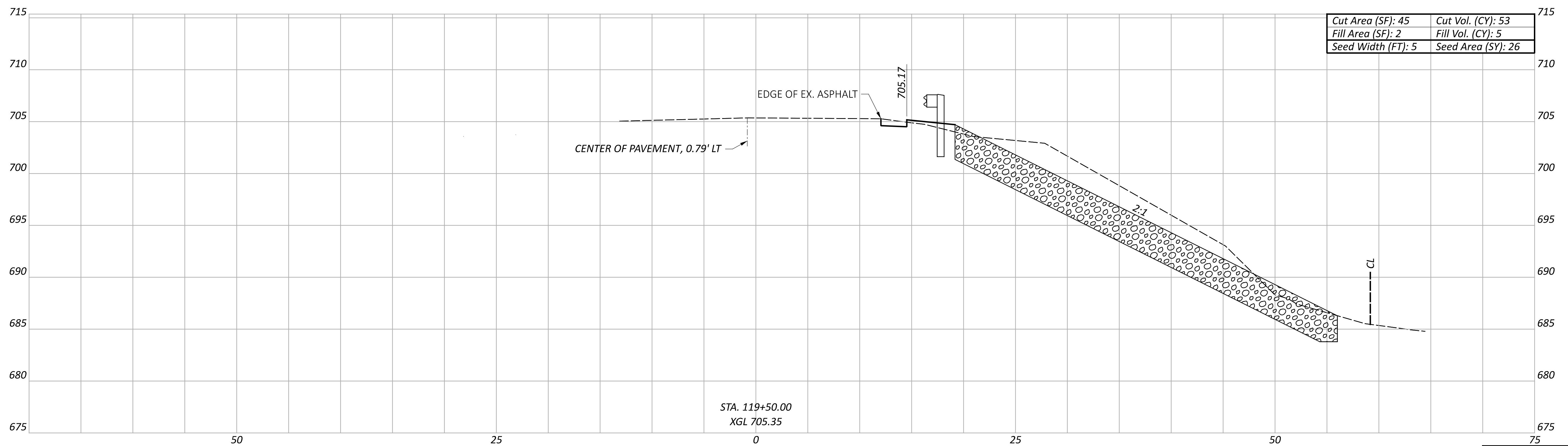
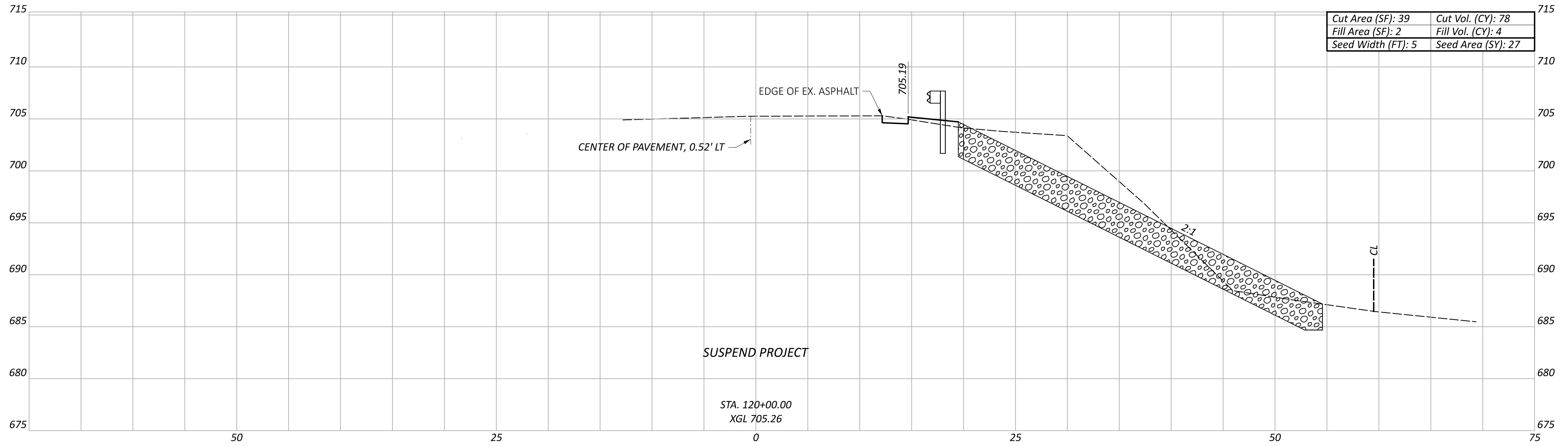
Sheet Totals			119862	
Seeding	Cut	Fill	SHEET	TOTAL
51	37	8	P.25	42



Sheet Totals			119862	
Seeding	Cut	Fill	SHEET	TOTAL
52	58	9	P.26	42

CROSS SECTIONS  
 STA. 118+50.00 TO STA. 119+00.00

DESIGN AGENCY  
  
 DESIGNER  
 TAB  
 REVIEWER  
 RJM 01/19/24  
 PROJECT ID  
 119862



Sheet Totals			119862	
Seeding	Cut	Fill	SHEET	TOTAL
53	131	9	P.27	42

DESIGN AGENCY



DESIGNER

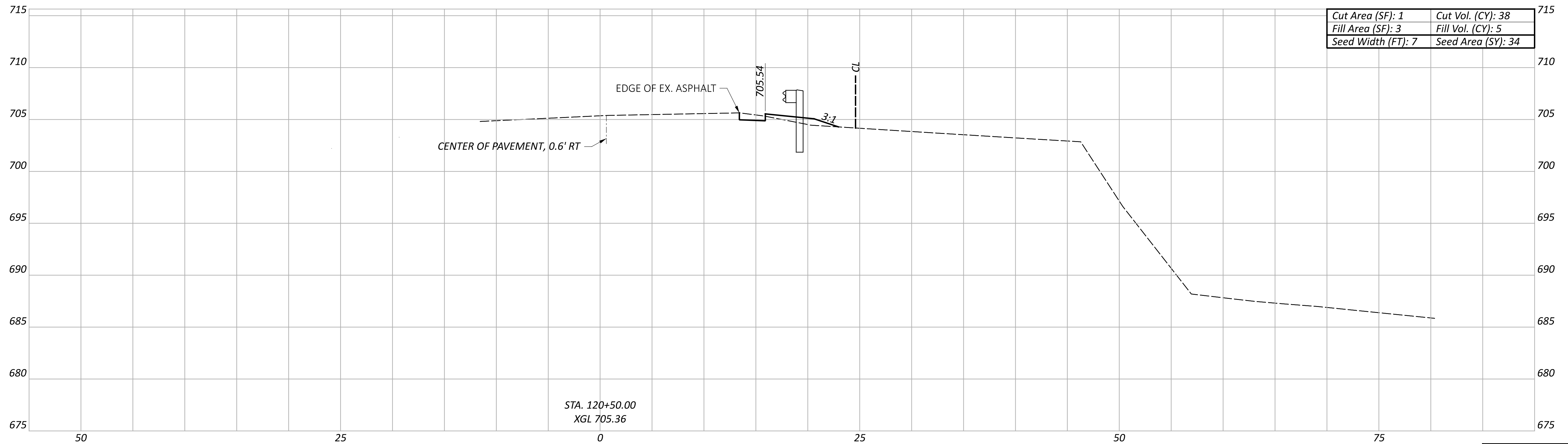
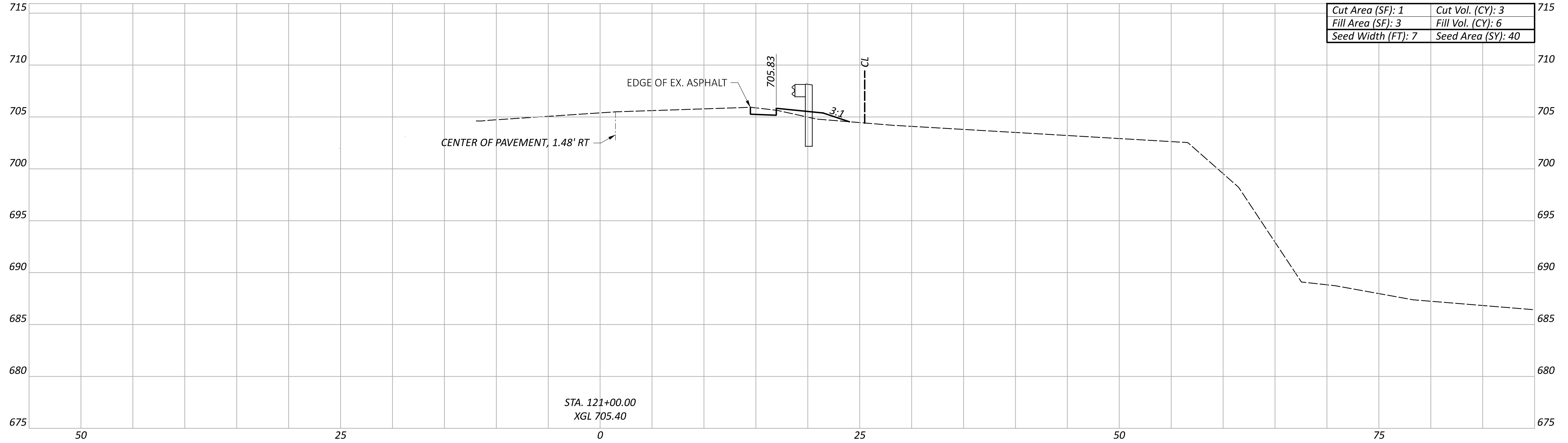
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REVIEWER

RJM 01/19/24

PROJECT ID

119862



Sheet Totals			119862	
Seeding	Cut	Fill	SHEET	TOTAL
74	41	11	P.28	42

CROSS SECTIONS  
STA. 120+50.00 TO STA. 121+00.00

DESIGN AGENCY



DESIGNER

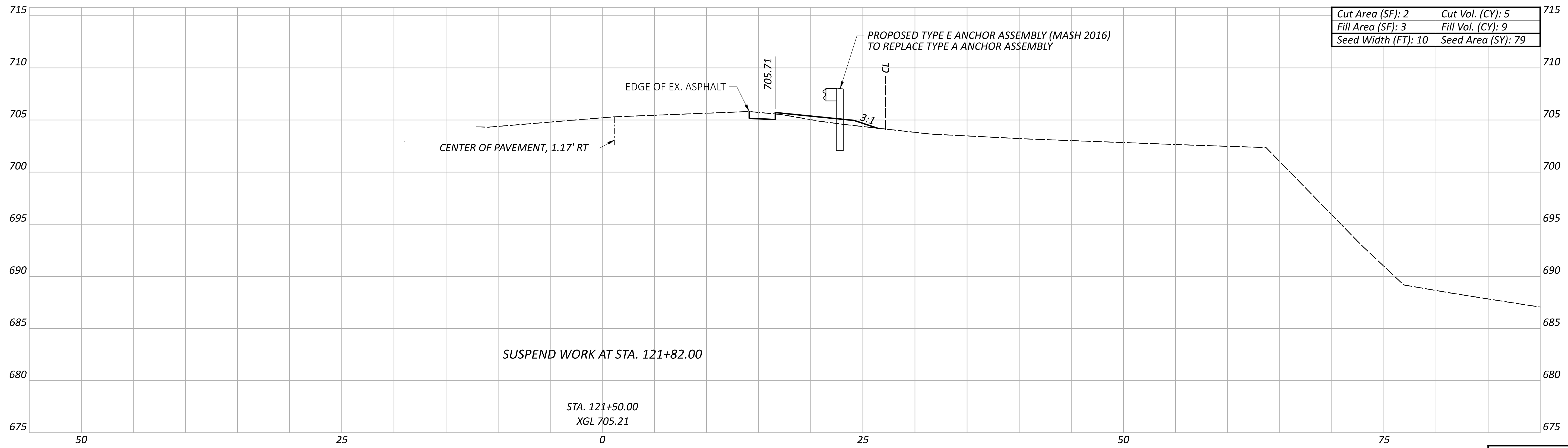
TAB

REVIEWER

RJM 01/19/24

PROJECT ID

119862



Cut Area (SF): 2	Cut Vol. (CY): 5
Fill Area (SF): 3	Fill Vol. (CY): 9
Seed Width (FT): 10	Seed Area (SY): 79

SUSPEND WORK AT STA. 121+82.00

STA. 121+50.00  
XGL 705.21

Sheet Totals		
Seeding	Cut	Fill
79	5	9

DESIGN AGENCY	119862
DESIGNER	TAB
REVIEWER	RJM 01/19/24
SHEET	TOTAL
P.29	42

CROSS SECTION  
STA. 121+50.00

DESIGN AGENCY



DESIGNER

TAB

REVIEWER

RJM 01/19/24

PROJECT ID

119862

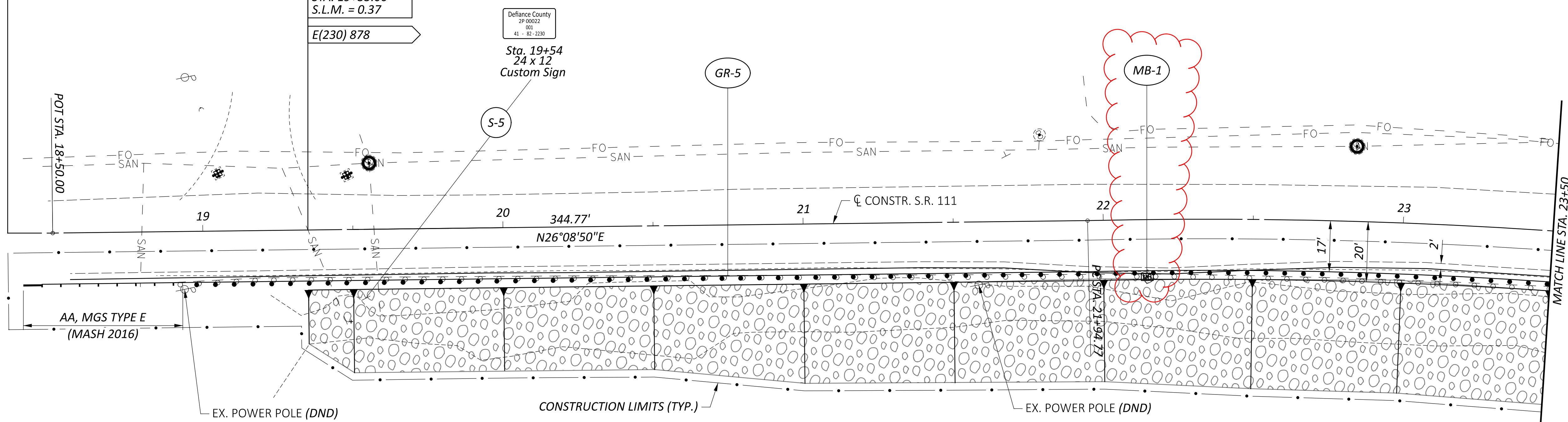
SHEET TOTAL

P.29 42

RESUME WORK  
STA. 18+35.00

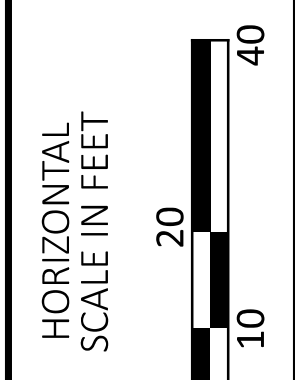
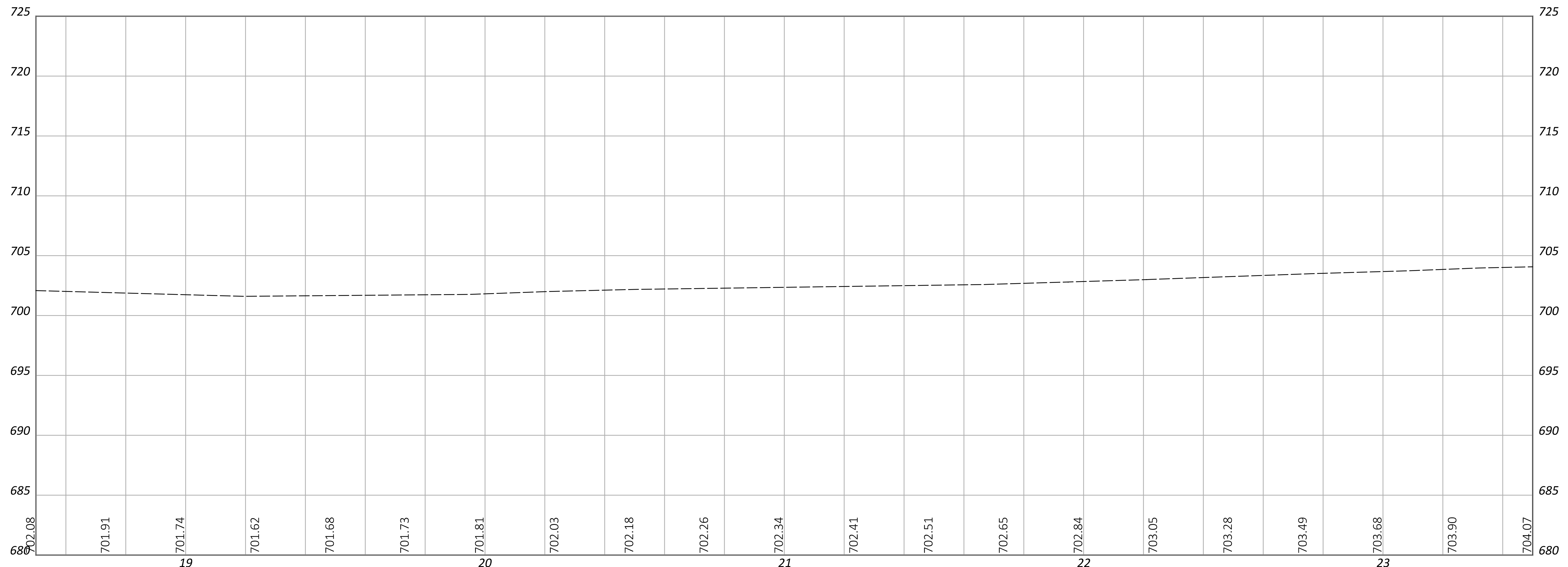
RESUME PROJECT  
STA. 19+35.00  
S.L.M. = 0.37

NOTE: OFFSETS FOR GUARDRAIL AND ROCK CHANNEL PROTECTION ARE BASED ON  $\bar{C}$  CONSTR. S.R. 111.



ITEM 601 - ROCK CHANNEL PROTECTION, TYPE B WITH FILTER, T=3'

ESTIMATED QUANTITIES		
ITEM		SHEET
GUARDRAIL	- GR	8
MAILBOX	- MB	8
SIGN	- S	8



PLAN & PROFILE (DEF-111-0.37)  
STA. 18+35.00 TO STA. 23+50.00

DESIGN AGENCY



DESIGNER  
**TAB**

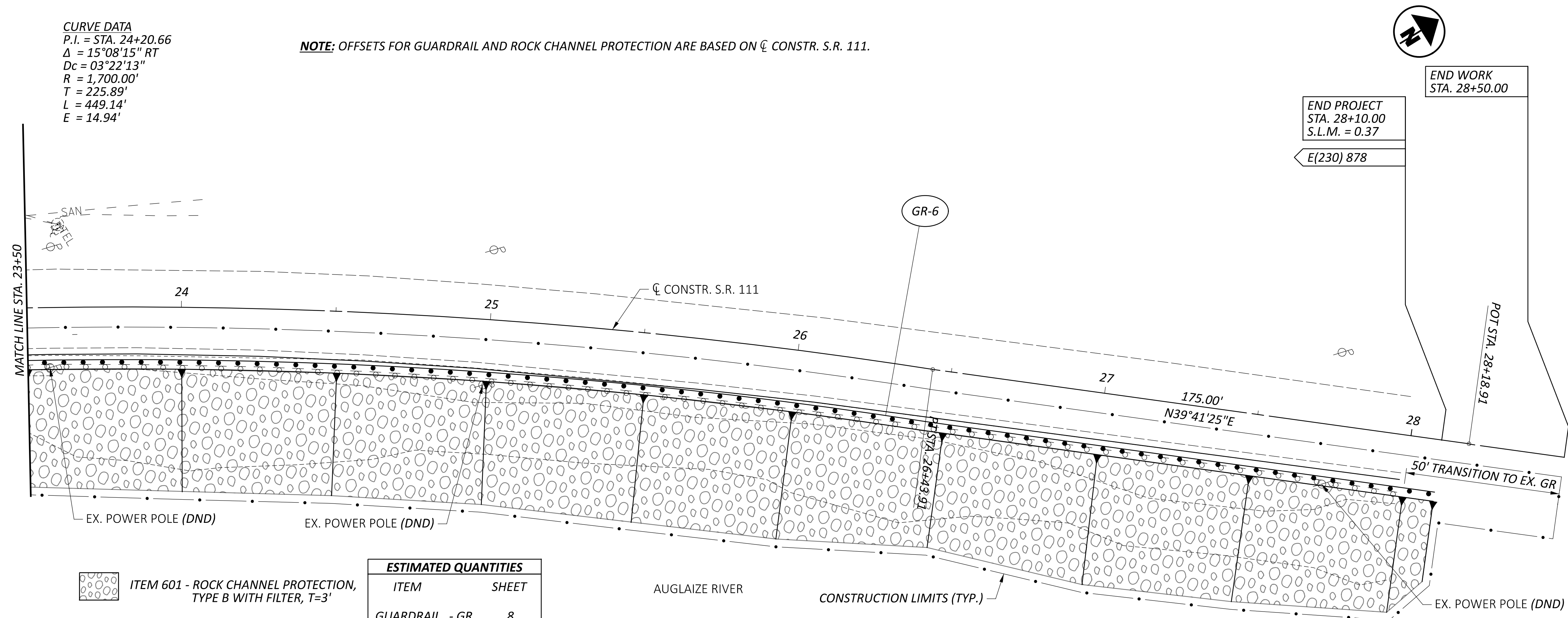
REVIEWER  
MJM 01/19/24

PROJECT ID  
119862

SHEET TOTAL  
P.30 42

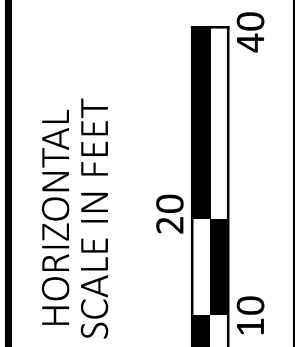
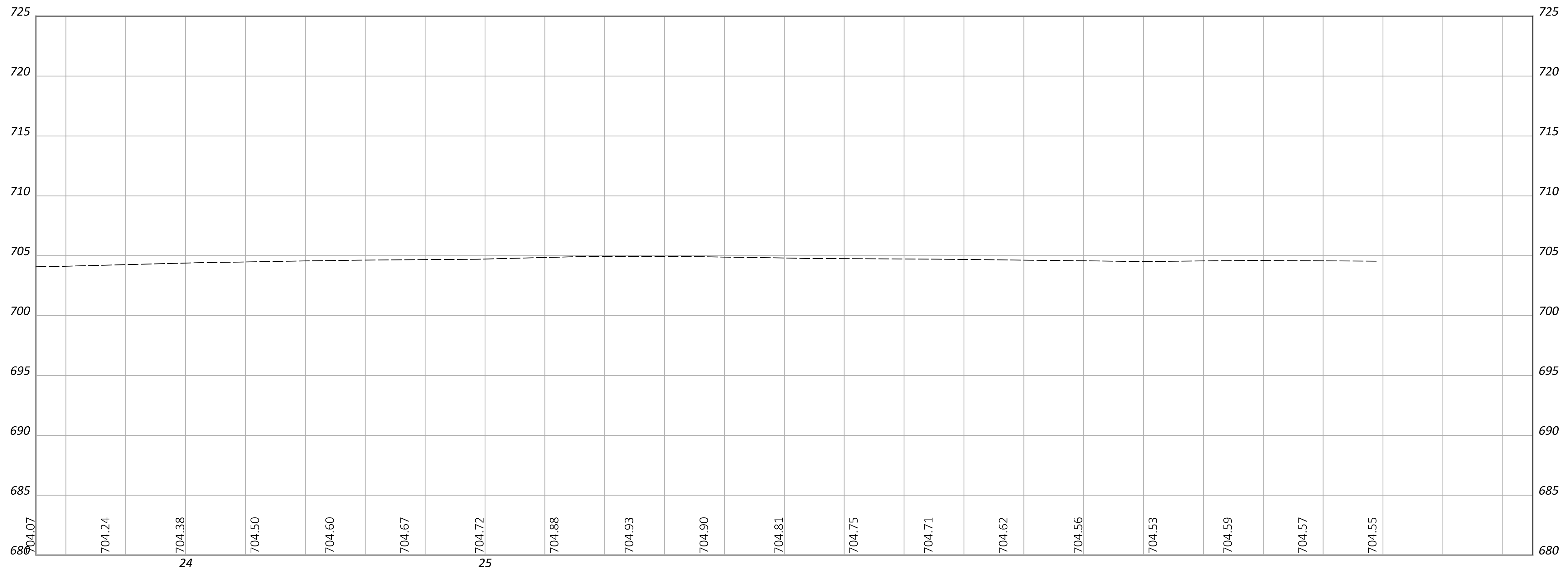
**CURVE DATA**  
 P.I. = STA. 24+20.66  
 $\Delta = 15^{\circ}08'15''$  RT  
 $D_c = 03^{\circ}22'13''$   
 $R = 1,700.00'$   
 $T = 225.89'$   
 $L = 449.14'$   
 $E = 14.94'$

**NOTE:** OFFSETS FOR GUARDRAIL AND ROCK CHANNEL PROTECTION ARE BASED ON  $\bar{C}$  CONSTR. S.R. 111.



ITEM 601 - ROCK CHANNEL PROTECTION, TYPE B WITH FILTER, T=3'

ESTIMATED QUANTITIES		
ITEM		SHEET
GUARDRAIL - GR		8
SIGN - S		8



PLAN & PROFILE (DEF-111-0.37)  
 STA. 23+50.00 TO STA. 28+50.00

DESIGN AGENCY

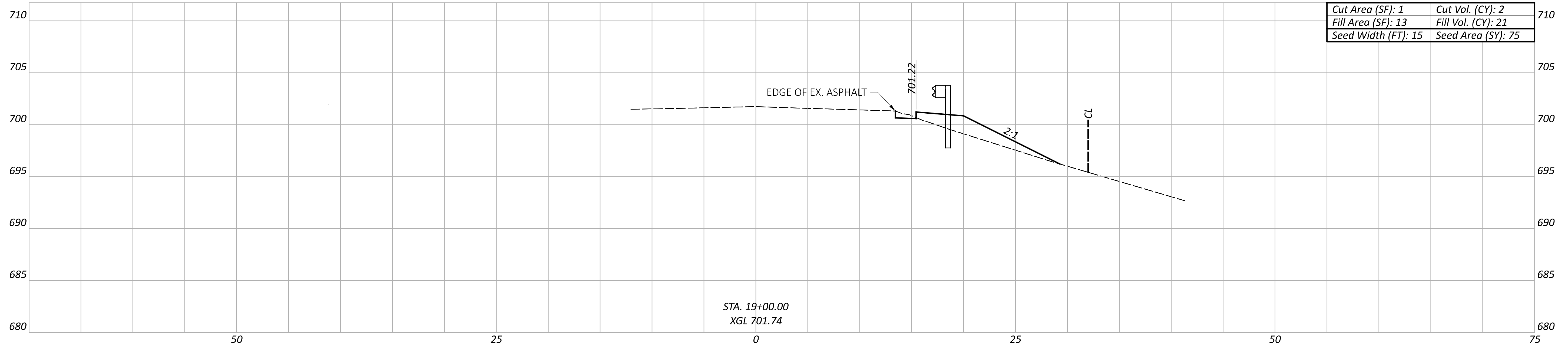


DESIGNER  
**TAB**

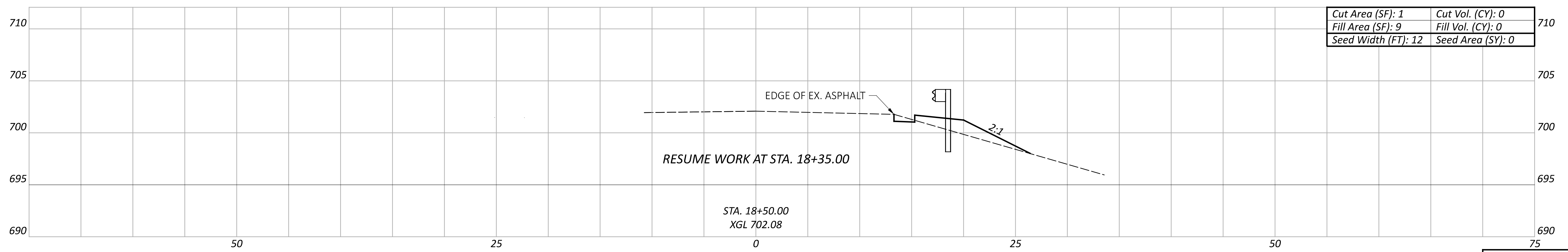
REVIEWER  
 MJM 01/19/24

PROJECT ID  
 119862

SHEET TOTAL  
 P.31 42



Cut Area (SF): 1	Cut Vol. (CY): 2
Fill Area (SF): 13	Fill Vol. (CY): 21
Seed Width (FT): 15	Seed Area (SY): 75



Cut Area (SF): 1	Cut Vol. (CY): 0
Fill Area (SF): 9	Fill Vol. (CY): 0
Seed Width (FT): 12	Seed Area (SY): 0

CROSS SECTIONS  
 STA. 18+50.00 TO STA. 19+00.00

DESIGN AGENCY



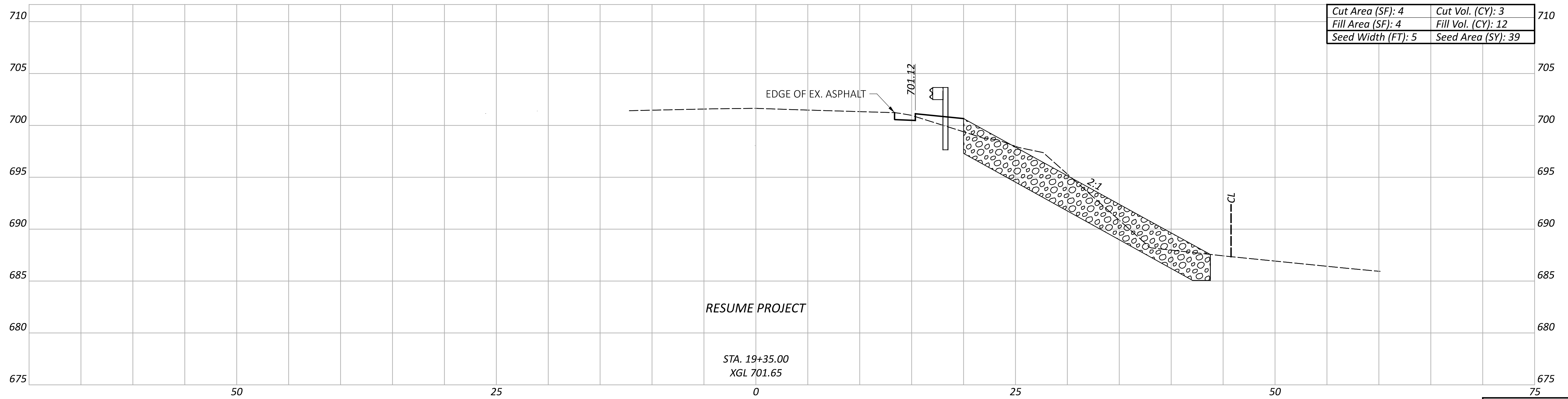
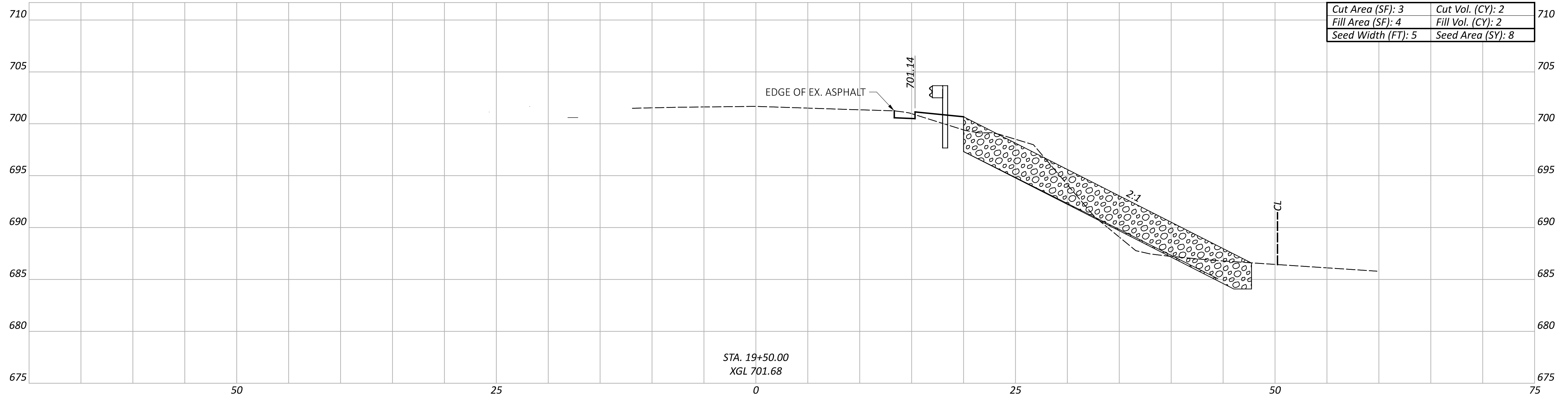
DESIGNER  
 TAB

REVIEWER  
 RJM 01/19/24

PROJECT ID  
 119862

Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill		
75	2	21	P.32	42





Sheet Totals			TOTAL	
Seeding	Cut	Fill	P.33	42
47	5	14		

CROSS SECTIONS  
STA. 19+35.00 TO STA. 19+50.00

DESIGN AGENCY



DESIGNER

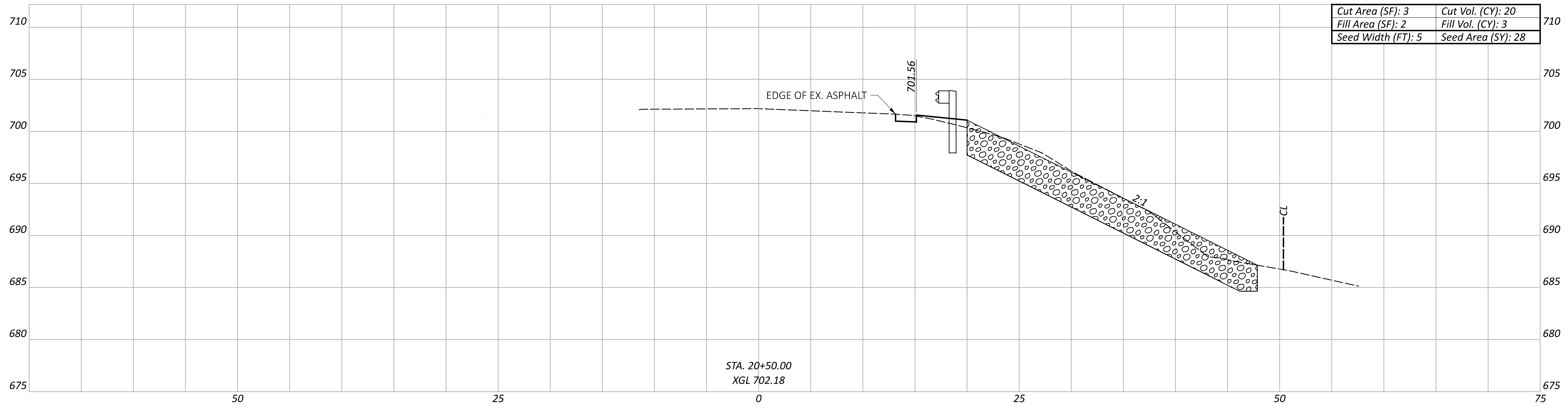
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REVIEWER

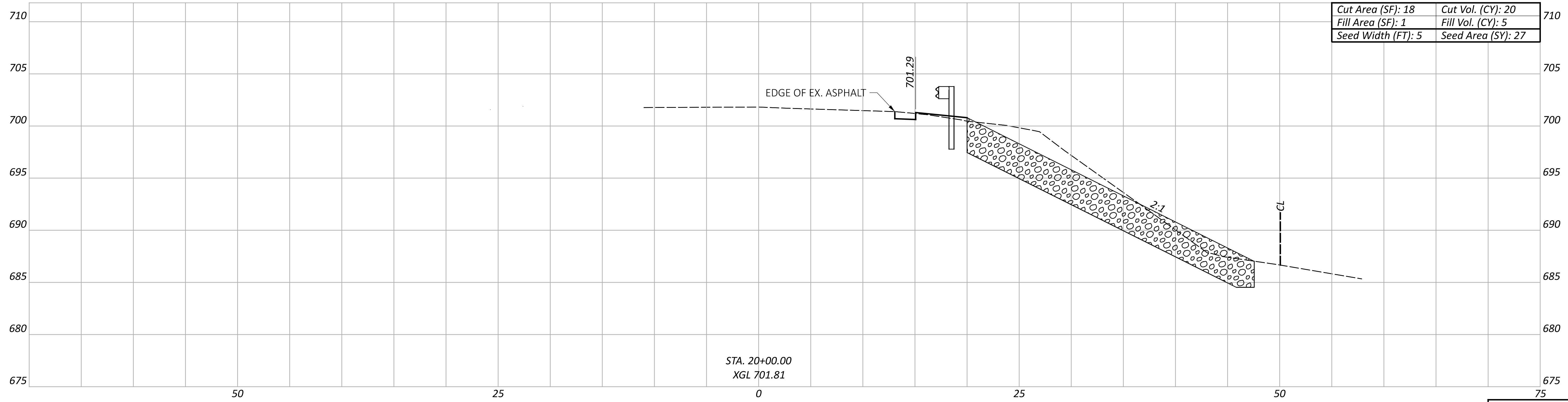
RJM 01/19/24

PROJECT ID

119862



STA. 20+50.00  
XGL 702.18



STA. 20+00.00  
XGL 701.81

CROSS SECTIONS  
STA. 20+00.00 TO STA. 20+50.00

DESIGN AGENCY

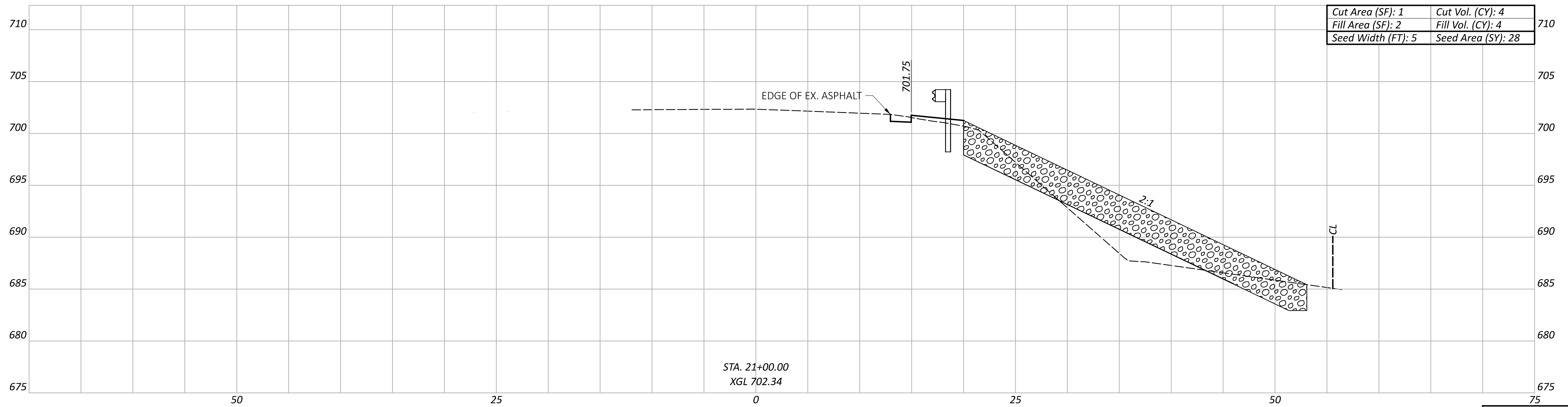
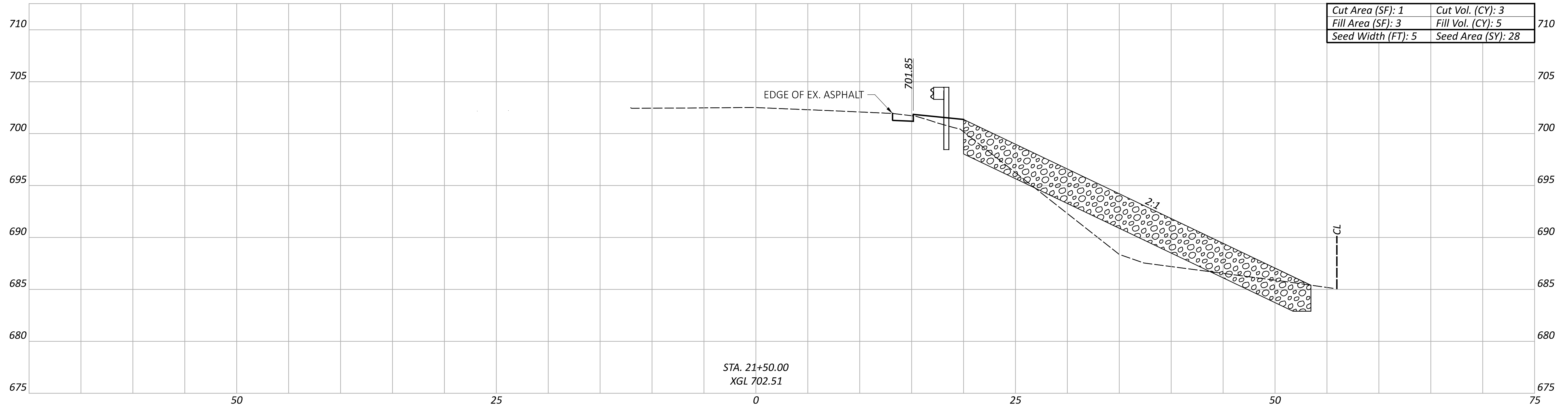


DESIGNER  
TAB

REVIEWER  
RJM 01/19/24

PROJECT ID  
119862

Sheet Totals			SHEET TOTAL	
Seeding	Cut	Fill	P.34	42
55	40	8		



Sheet Totals			SHEET TOTAL	
Seeding	Cut	Fill	P.35	42
56	7	9		

DESIGN AGENCY

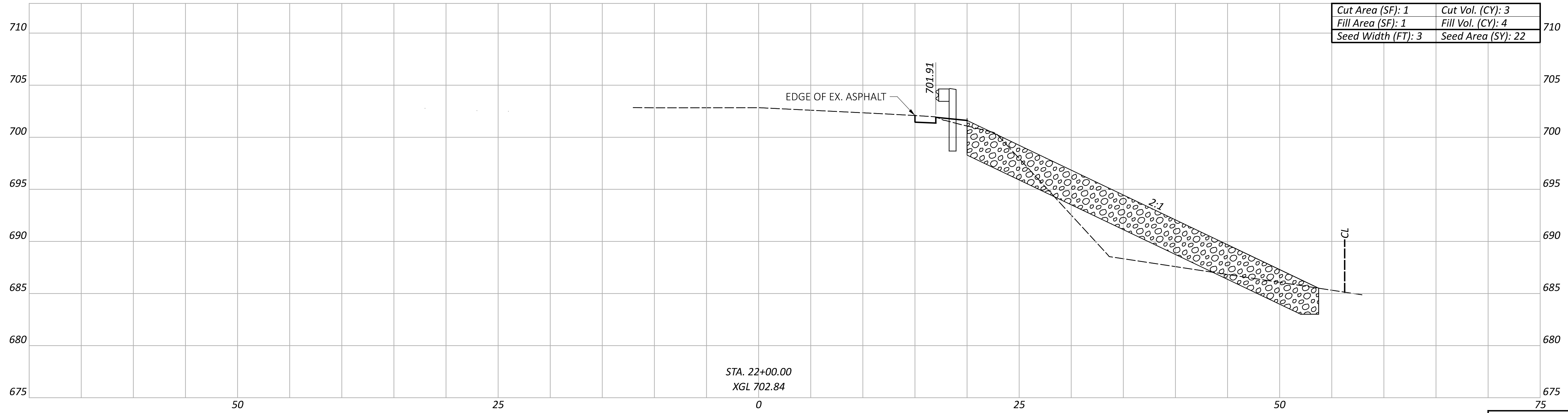
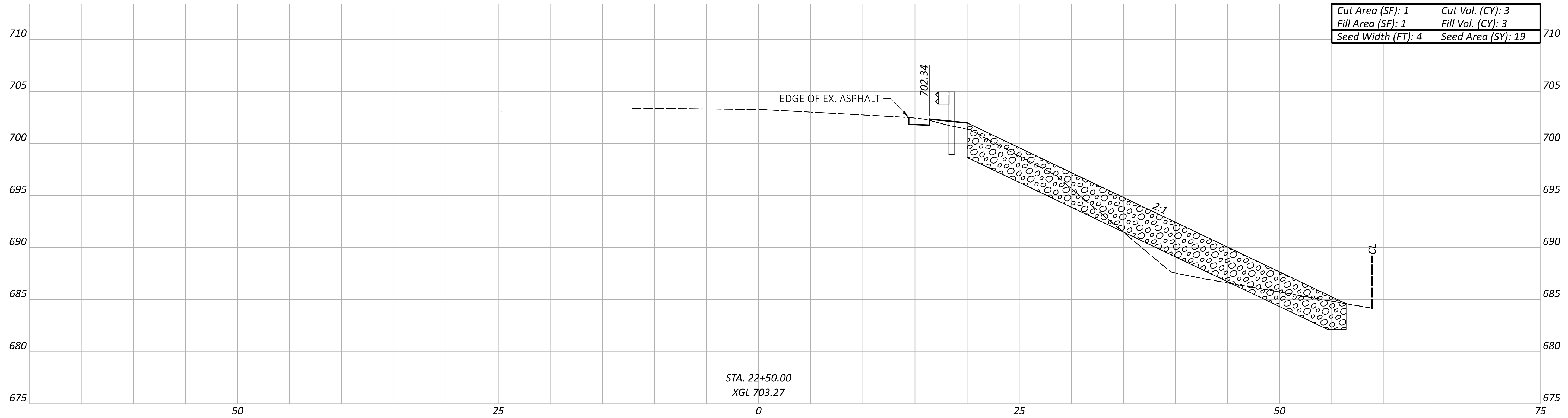


DESIGNER  
TAB

REVIEWER  
RJM 01/19/24

PROJECT ID  
119862

CROSS SECTIONS  
STA. 21+00.00 TO STA. 21+50.00



CROSS SECTIONS  
 STA. 22+00.00 TO STA. 22+50.00

DESIGN AGENCY



DESIGNER

TAB

REVIEWER

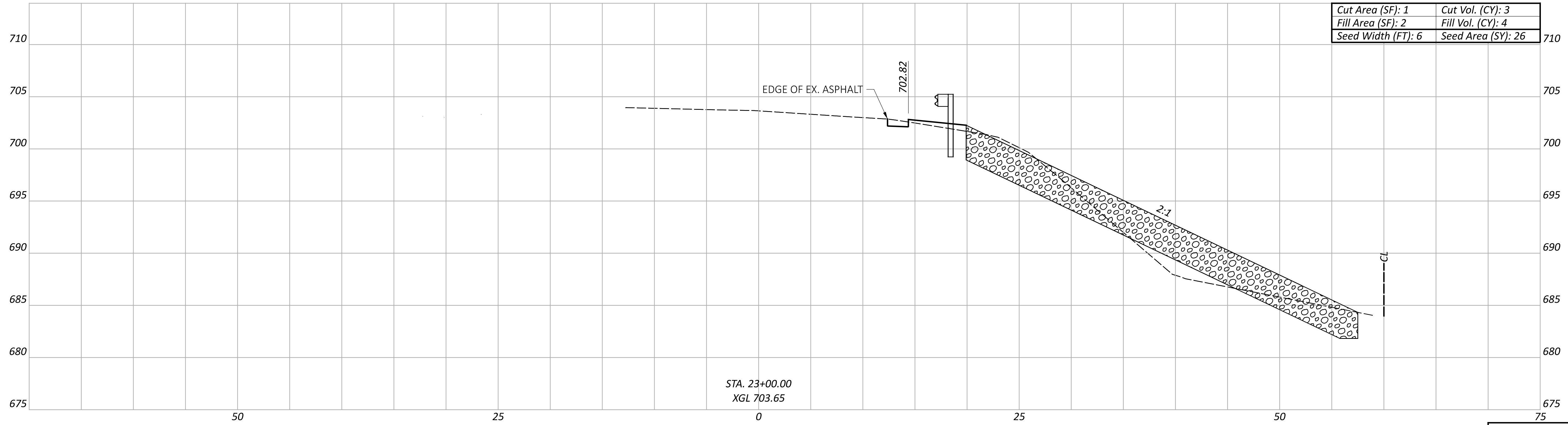
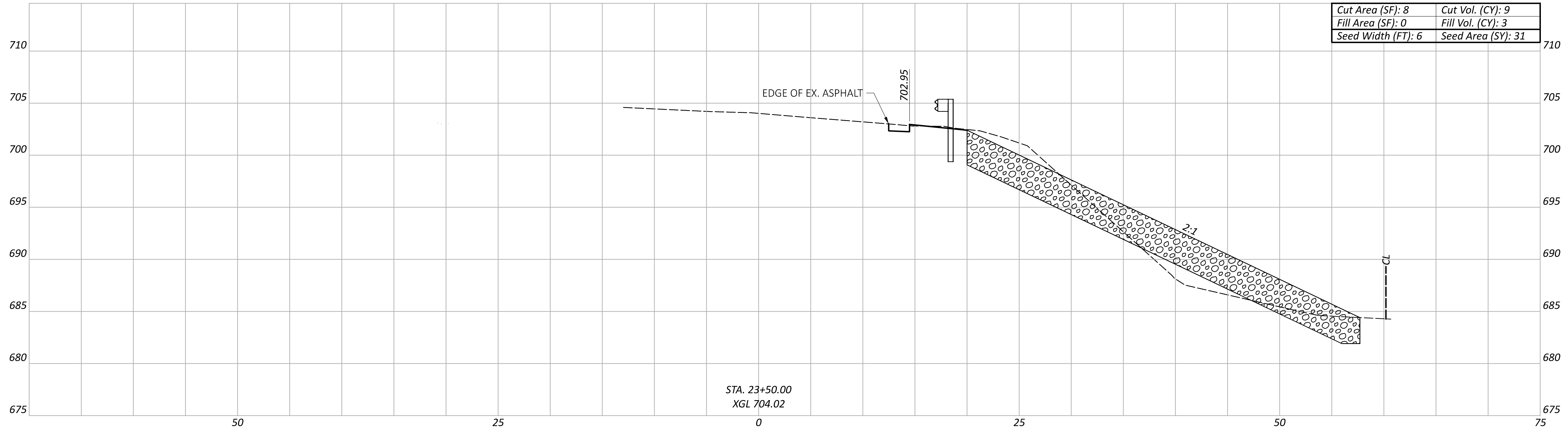
RJM 01/19/24

PROJECT ID

119862

Sheet Totals		
Seeding	Cut	Fill
41	6	7

SHEET	TOTAL
P.36	42



Sheet Totals			SHEET TOTAL	
Seeding	Cut	Fill	P.37	42
57	12	7		

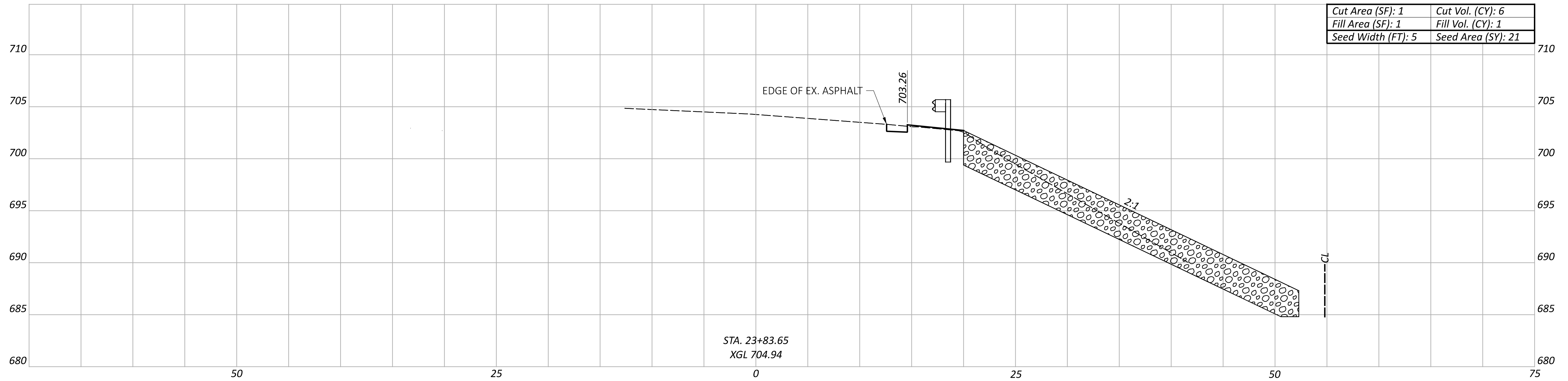
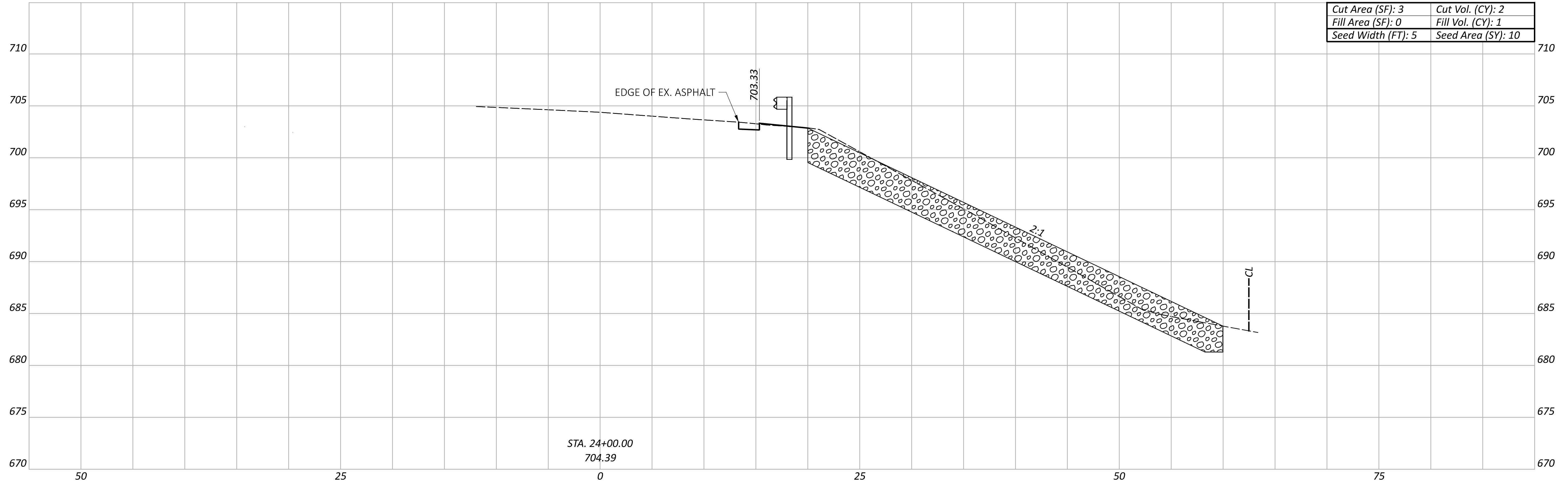
CROSS SECTIONS  
STA. 23+00.00 TO STA. 23+50.00

DESIGN AGENCY

DESIGNER  
**TAB**

REVIEWER  
RJM 01/19/24

PROJECT ID  
119862



CROSS SECTIONS  
 STA. 24+00.00 TO STA. 24+50.00

DESIGN AGENCY



DESIGNER

TAB

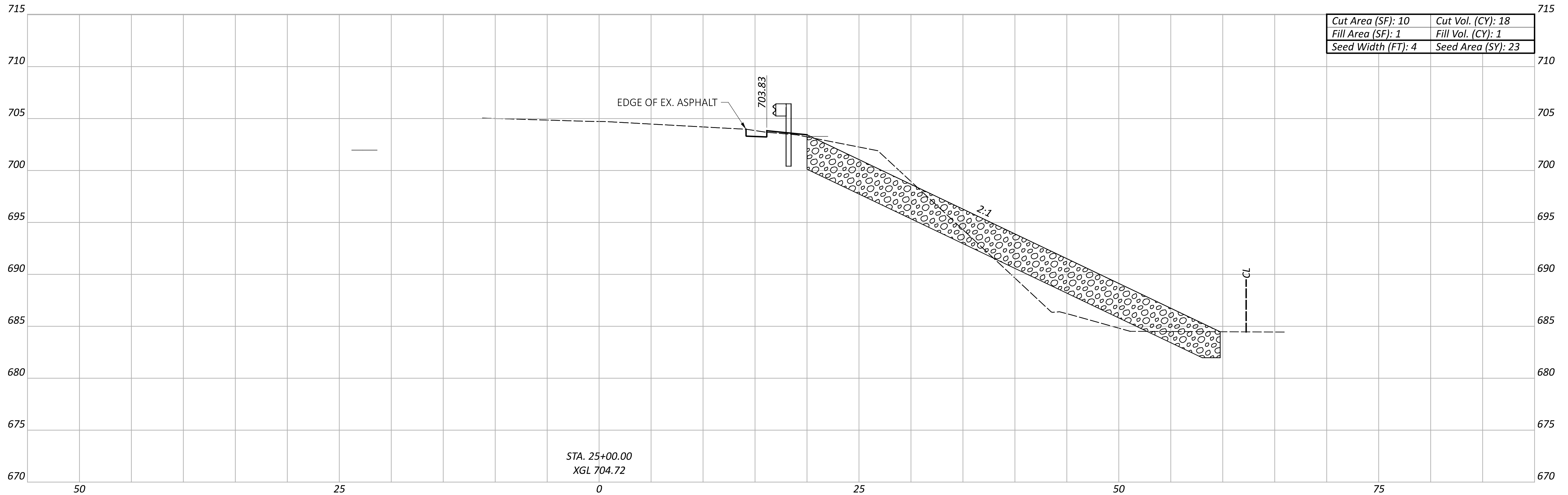
REVIEWER

RJM 01/19/24

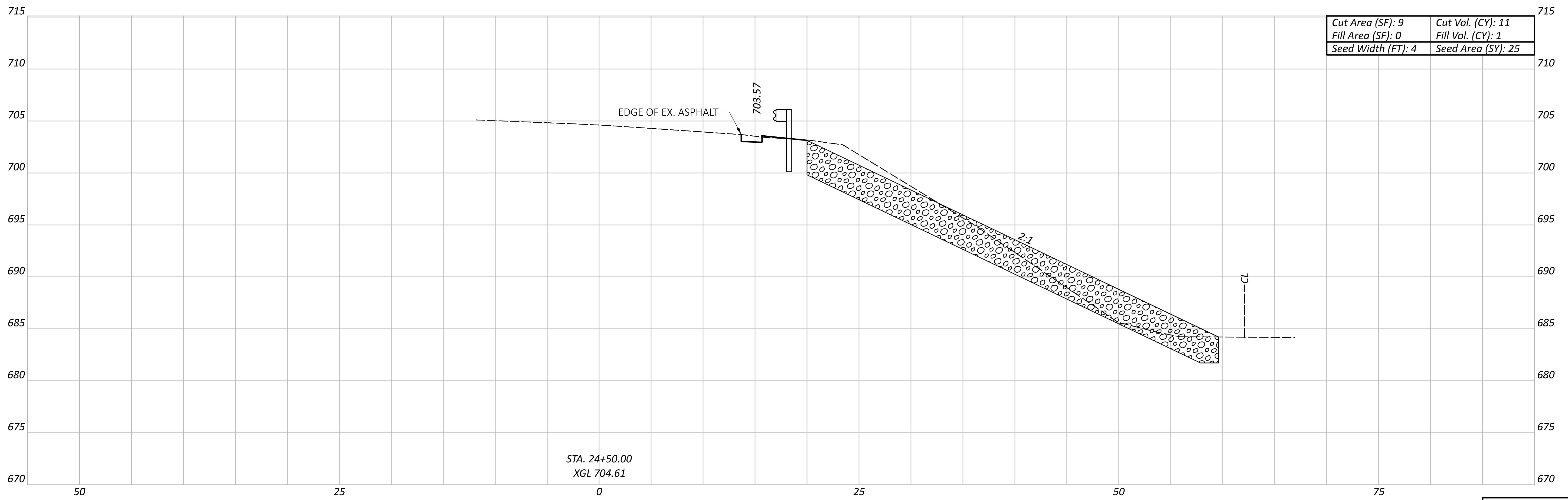
PROJECT ID

119862

Sheet Totals			SHEET TOTAL	
Seeding	Cut	Fill	P.38	42
31	8	2		



STA. 25+00.00  
XGL 704.72



STA. 24+50.00  
XGL 704.61

CROSS SECTIONS  
STA. 25+00.00 TO STA. 25+50.00

DESIGN AGENCY



DESIGNER

TAB

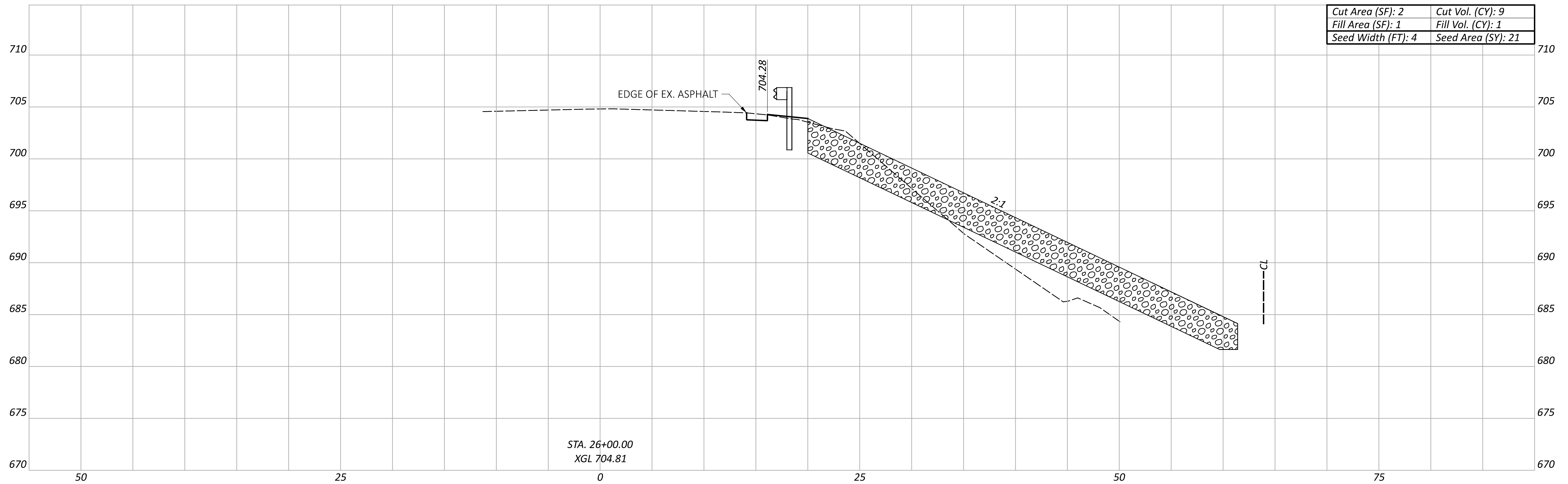
REVIEWER

RJM 01/19/24

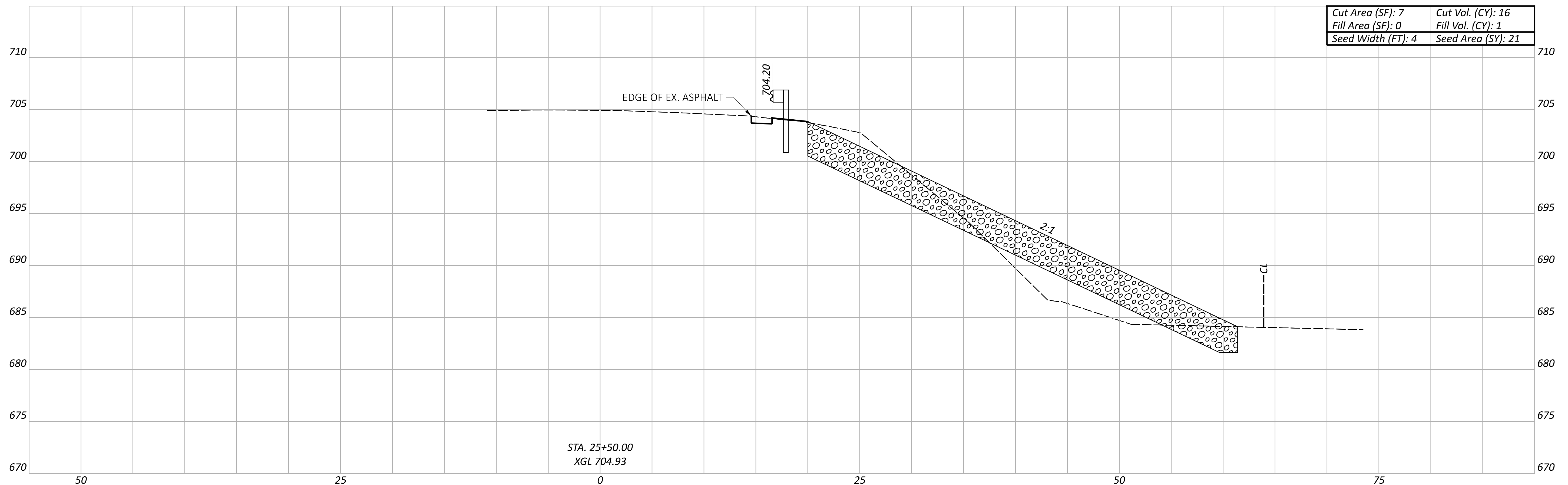
PROJECT ID

119862

Sheet Totals			SHEET TOTAL	
Seeding	Cut	Fill	P.39	42
48	29	2		



STA. 26+00.00  
XGL 704.81



STA. 25+50.00  
XGL 704.93

CROSS SECTIONS  
STA. 26+00.00 TO STA. 26+50.00

DESIGN AGENCY



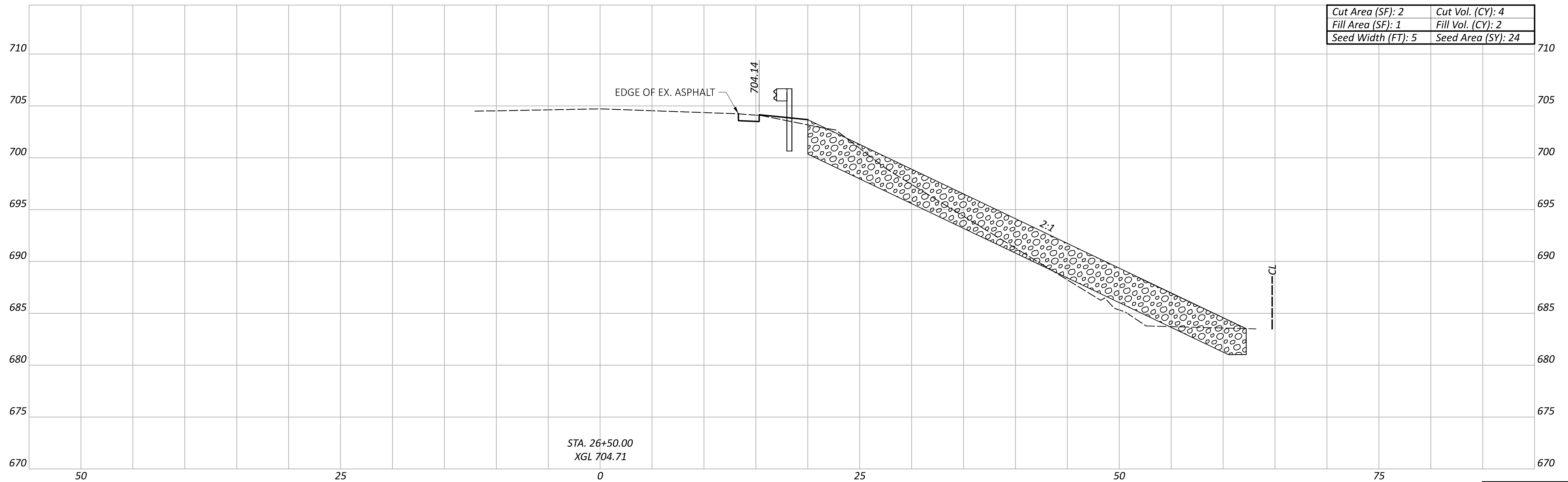
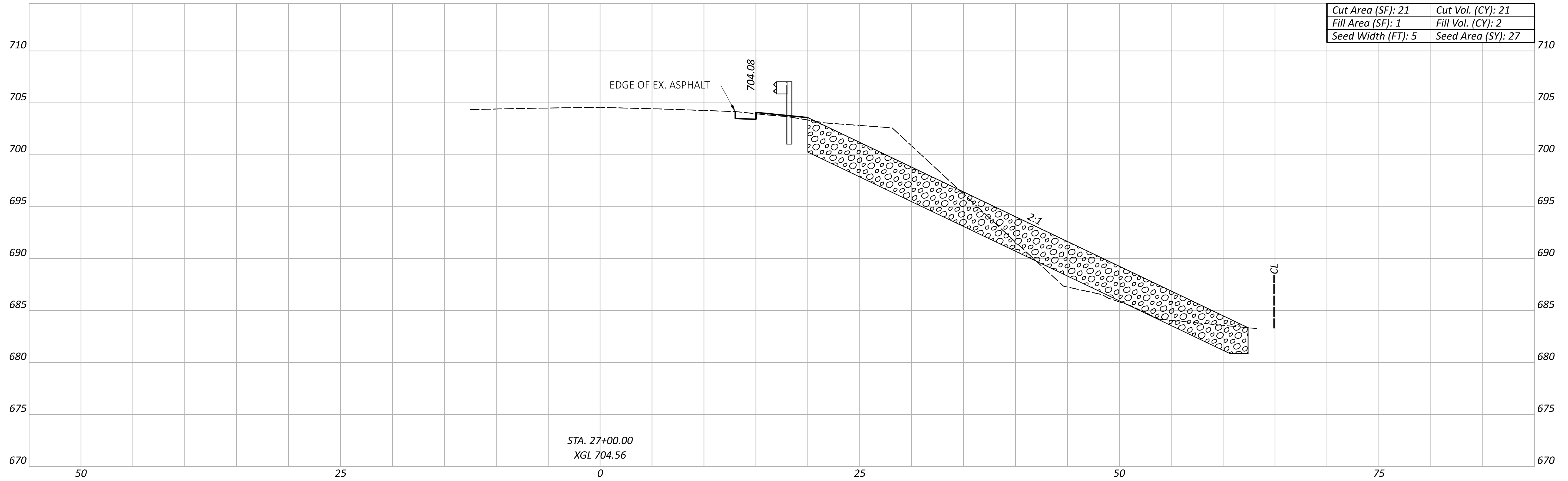
DESIGNER  
TAB

REVIEWER  
RJM 01/19/24

PROJECT ID  
119862

Sheet Totals			TOTAL	
Seeding	Cut	Fill	P.40	42
42	25	2		





CROSS SECTIONS  
 STA. 27+00.00 TO STA. 27+50.00

DESIGN AGENCY

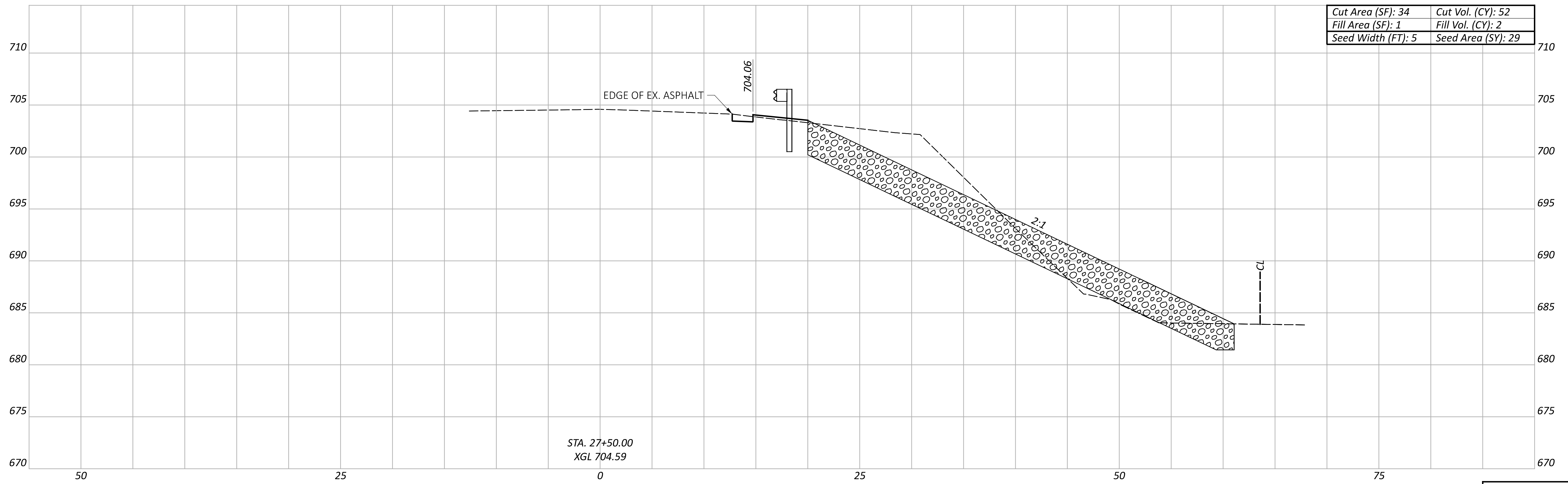
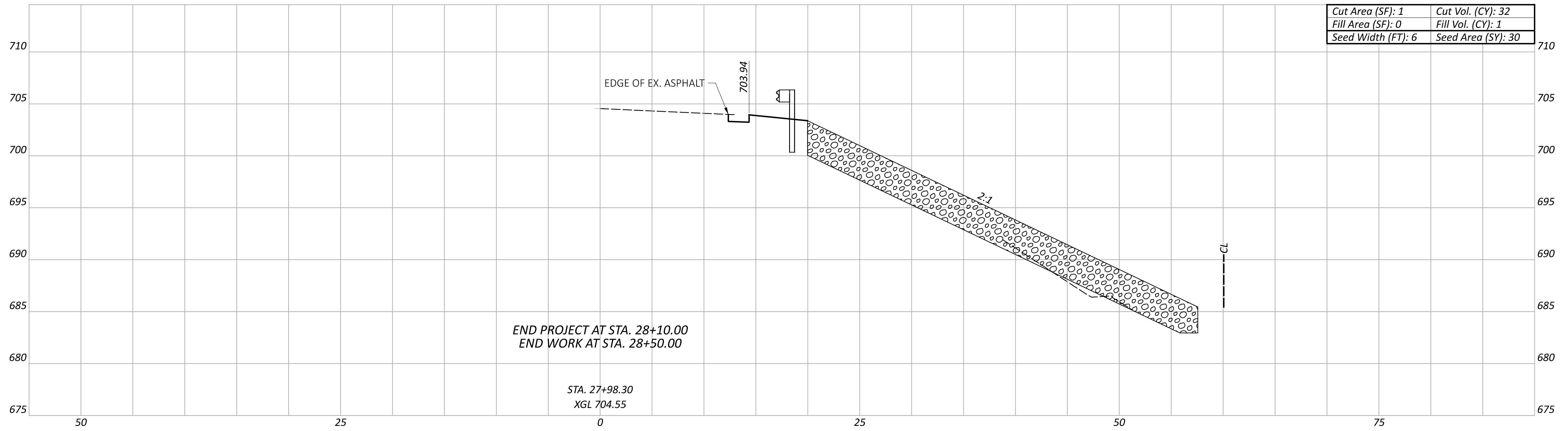


DESIGNER  
 TAB

REVIEWER  
 RJM 01/19/24

PROJECT ID  
 119862

Sheet Totals			TOTAL	
Seeding	Cut	Fill	P.41	42
51	25	4		



CROSS SECTIONS  
 STA. 27+50.00 TO STA. 27+98.30

DESIGN AGENCY



DESIGNER

TAB

REVIEWER

RJM 01/19/24

PROJECT ID

119862

Sheet Totals			TOTAL	
Seeding	Cut	Fill	P.42	42
59	84	3		

PARCEL NO.	OWNER	OWNERS RECORD		AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE		TYPE FUND	REMARKS
		BOOK	PAGE								LEFT	RIGHT		
100-CH	Auglaize Golf Club LLC	O.R. 495 O.R. 495	1849 2049	01-03S-004-00	163.024	4.830 (c)	0.490	0.000	0.490		157.704		100% State	Total P.R.O. is approximate, as calculated from Paulding County GIS.

(c) = CALCULATED AREA

**TOTAL NUMBER OF :**  
 1 - OWNERSHIPS 0 - TOTAL TAKES  
 1 - PARCELS 0 - OWNERSHIPS W/ STRUCTURES INVOLVED

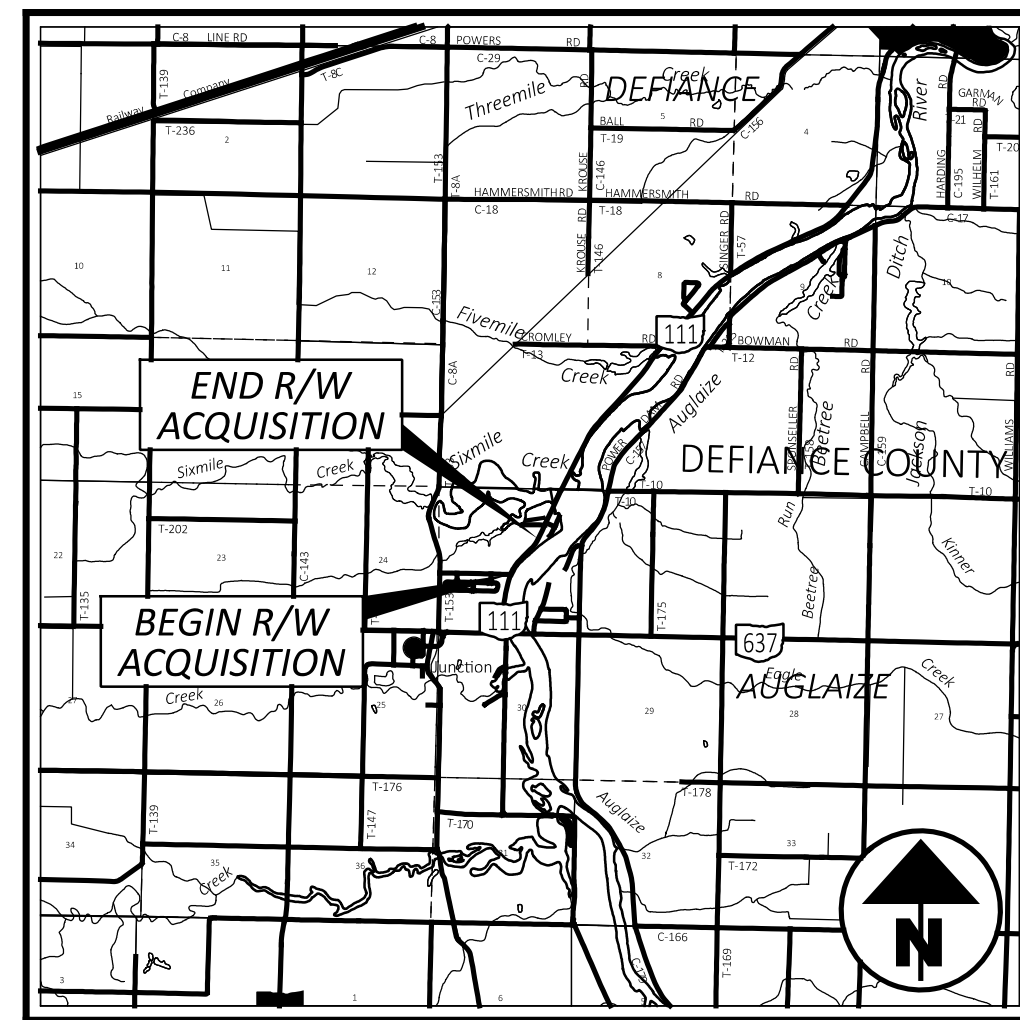
NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE  
 NET TAKE = GROSS TAKE - PRO IN TAKE  
**ALL AREAS IN ACRES**

**GRANTEE :**  
 ALL RIGHT OF WAY ACQUIRED IN THE NAME OF THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION.

**TYPES OF TITLE LEGEND:**  
 CH = CHANNEL EASEMENT

**STRUCTURE KEY**

- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING



**LOCATION MAP**

LATITUDE: N41°12'05" LONGITUDE: W84°26'50"

**PAULDING COUNTY  
 AUGLAIZE TWP.  
 N.E. 1/4 SEC. 19  
 T-3-N, R-4-E**

(100)  
 Auglaize Golf Club LLC  
 01-03S-004-00  
 163.024 Acres  
 O.R. 495 P. 1849 & 2049

Golf Course

**SURVEY PARAMETERS:**

NOT APPLICABLE. ALL INFORMATION TAKEN FROM RECORD DOCUMENTS NOTED HEREON.

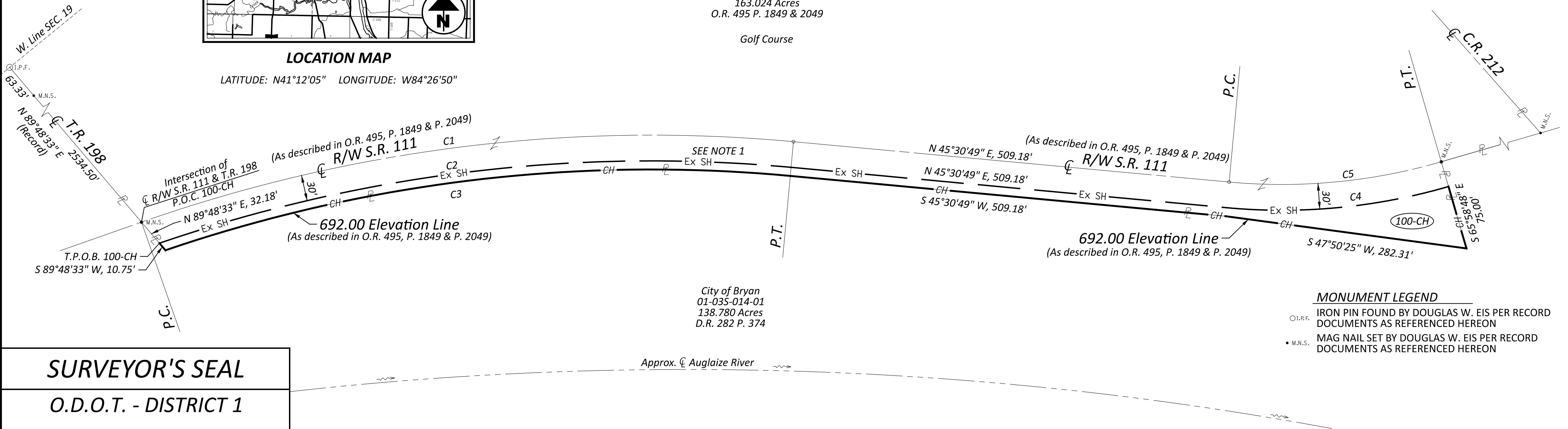
**BASIS OF BEARINGS:**

ALL BEARINGS HAVE BEEN TAKEN FROM SURVEY RECORD AUG19-3&22 AS FILED WITH THE PAULDING COUNTY ENGINEER'S OFFICE.

**BASIS OF EXISTING CENTERLINE OF R/W AND THE R/W LIMITS:**

ALL CENTERLINE AND RIGHT OF WAY CALLS AS NOTED HEREON HAVE BEEN CALCULATED AND/OR TAKEN FROM A 163.024 ACRE PARCEL OF LAND AS DESCRIBED IN O.R. VOL. 495 P. 1849 AND O.R. VOL. 495, P. 2049 AND IT'S ACCOMPANYING SURVEY AS FILED WITH THE PAULDING COUNTY ENGINEER'S OFFICE IN SURVEY RECORD AUG19-3&22.

NOTE 1: Much of the existing standard highway easement west of S.R. 111 is river bank.



City of Bryan  
 01-03S-014-01  
 138.780 Acres  
 D.R. 282 P. 374

**MONUMENT LEGEND**

- I.P.F. IRON PIN FOUND BY DOUGLAS W. EIS PER RECORD DOCUMENTS AS REFERENCED HEREON
- M.N.S. MAG NAIL SET BY DOUGLAS W. EIS PER RECORD DOCUMENTS AS REFERENCED HEREON

**SURVEYOR'S SEAL**

O.D.O.T. - DISTRICT 1



**THIS PLAT IS NOT BASED ON A CURRENT FIELD SURVEY. ALL INFORMATION SHOWN HAS BEEN TAKEN FROM RECORD DOCUMENTS AS REFERENCED HEREON.**

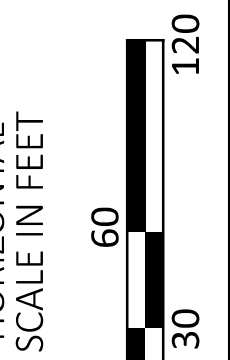
I, Justin H. Niese, P.S., have conducted a survey of the existing conditions for the Ohio Department of Transportation from September 2023 to November 2023. See the affixed Survey Parameters note for the horizontal and vertical survey parameters used for this project. As a part of this project, from record documents noted hereon, I have established the proposed boundary lines, calculated the Gross Take, present roadway occupied (PRO), Net Take and Net Residue; as well as prepared the legal descriptions necessary to acquire the parcels as shown herein. All of my work contained herein was conducted in accordance with the Ohio Administrative Code Chapter 4733-37 Standards for Boundary Surveys unless so noted. The words "I" and "my" as used herein are to mean that either myself or someone working under my direct supervision.

<b>C1</b> $\Delta = 24^{\circ}39'33''$ RT $Dc = 03^{\circ}12'03''$ $R = 1,790.00'$ $T = 391.25'$ $L = 770.39'$ $CH BRG = N 33^{\circ}11'02'' E$ $CH DIST = 764.46'$	<b>C3</b> $\Delta = 24^{\circ}09'16''$ LT. $Dc = 03^{\circ}16'27''$ $R = 1,750.00'$ $T = 374.44'$ $L = 737.76'$ $CH BRG = S 33^{\circ}26'11'' W$ $CH DIST = 732.31'$	<b>C5</b> $\Delta = 21^{\circ}29'38''$ LT $Dc = 08^{\circ}37'03''$ $R = 664.87'$ $T = 126.19'$ $L = 249.42'$ $CH BRG = N 34^{\circ}46'00'' E$ $CH DIST = 247.96'$
<b>C2</b> $\Delta = 24^{\circ}16'59''$ RT. $Dc = 03^{\circ}15'20''$ $R = 1,760.00'$ $T = 378.64'$ $L = 745.92'$ $CH BRG = N 33^{\circ}22'19'' E$ $CH DIST = 740.35'$	<b>C4</b> $\Delta = 21^{\circ}29'38''$ $Dc = 08^{\circ}14'44''$ $R = 694.87'$ $T = 131.89'$ $L = 260.67'$ $CH BRG = N 34^{\circ}46'00'' E$ $CH DIST = 259.15'$	

REV. BY	DATE	DESCRIPTION
FIELD REVIEW BY:	N/A	DATE: N/A
OWNERSHIP VERIFIED BY:	Lisa Steffen	DATE: 12-5-23
DATE COMPLETED:	12-11-23	

DESIGN AGENCY	DESIGNER	REVIEWER	PROJECT ID	SHEET	TOTAL
	TAB	JHN	119862	RW.1	RW.1



R/W DETAIL SHEET  
 PAU-111-23.82

DEF/PAU-111-37/23.82

MODEL: Sheet\_SurvFt\_PAPER: 34x22 (in.) DATE: 4/2/2024 TIME: 2:16:27 PM USER: tboleba  
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