



SEE SHEETS 2&3

LOCATION MAP

LATITUDE: 39°32'28" LONGITUDE: -84°6'17"

DESIGN DESIGNATION

	WAR-73		
	7.21-9.61	9.61-14.28	14.28-20.71
CURRENT ADT (2026)	9,400	11,000	7,400
DESIGN YEAR ADT (2038)	11,000	12,000	8,700
DESIGN HOURLY VOLUME (2038)	1,400	1,400	1,000
DIRECTIONAL DISTRIBUTION	52.8%	53.4%	51.7%
TRUCKS (24 HOUR B&C)	3.0%	4.0%	7.0%
DESIGN SPEED	60	60	60
LEGAL SPEED	55	55	55
DESIGN FUNCTIONAL CLASSIFICATION:	03 PRINCIPAL ARTERIAL OTHER (URBAN), 04 MINOR ARTERIAL (URBAN)		
NHS PROJECT	YES	NO	YES

DESIGN EXCEPTIONS

DESIGN FEATURE	APPROVAL DATES	SHEET NUMBERS
LANE WIDTH	8/25/2025	P.21
SHOULDER WIDTH	8/25/2025	P.21

ADA DESIGN WAIVERS

NONE REQUIRED

UNDERGROUND UTILITIES

Contact Two Working Days Before You Dig


Before You Dig

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

PLAN PREPARED BY:
ODOT DISTRICT 8
505 SOUTH STATE ROUTE 741
LEBANON, OH, 45036

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

WAR-SR 73-7.20

VILLAGES OF WAYNESVILLE & HARVEYSBURG

WARREN COUNTY

INDEX OF SHEETS:

TITLE SHEET	1
LOCATION MAPS	2-3
TYPICAL SECTIONS	4
GENERAL NOTES	5-6
MAINTENANCE OF TRAFFIC	7-11
GENERAL SUMMARY	12-13
SUBSUMMARIES	14-19, 19a
PROJECT SITE PLAN	20
PLAN & PROFILE	21-24
CROSS SECTIONS	24a, 25-39, 39a
HEADWALL DETAILS	40
DRIVE DETAILS	41-42
PAVEMENT MARKING AND SIGNING	42-46

STANDARD CONSTRUCTION DRAWINGS							SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
BP-3.1	1/19/24	RM-4.2	7/18/25	TC-52.10	10/18/13		800-2023	7/18/25
BP-4.1	7/19/13	HW-2.1	7/15/22	TC-52.20	1/15/21		807	1/17/25
BP-9.1	1/18/19	HW-2.2	7/20/18	TC-61.30	7/19/24		832	7/18/25
				TC-64.10	7/21/23		836	1/19/24
DM-1.1	1/17/25	MT-95.61	4/19/19	TC-65.10	1/18/14		850	7/21/23
DM-4.2	7/20/12	MT-97.10	7/18/25	TC-65.11	1/17/25			
DM-4.3	1/15/16	MT-97.12	7/18/25	TC-71.10	7/18/25			
DM-4.4	1/15/16	MT-97.20	7/18/25					
		MT-99.20	4/19/19					
MGS-2.1	7/18/25	MT-101.70	7/19/24					
MGS-3.1	7/18/25	MT-101.75	7/21/23					
MGS-4.2	7/18/25	MT-101.90	7/17/20					
MGS-4.3	7/18/25	MT-105.10	1/17/20					
MGS-5.3	7/15/16							
MGS-6.1	1/19/18	TC-41.20	10/18/13					
		TC-42.20	10/18/13					

FEDERAL PROJECT NUMBER

E240907

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

RESURFACING A PORTION OF SR 73 IN WARREN COUNTY AND ADDING A LEFT TURN LANE ON EB SR-73 AT OLD SR-73 INTERSECTION.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	4.82 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	0.2 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	5.02 ACRES

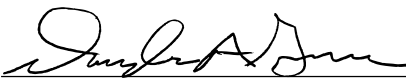
LIMITED ACCESS

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.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

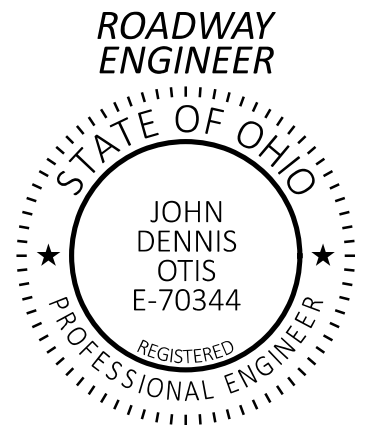


Douglas A. Gruver, P.E.
District 08 Deputy Director



Pamela Boratyn
Director, Department of Transportation

ENGINEER'S SEAL



DESIGN AGENCY



DESIGNER

NCD

REVIEWER

JDO 08-22-25

PROJECT ID

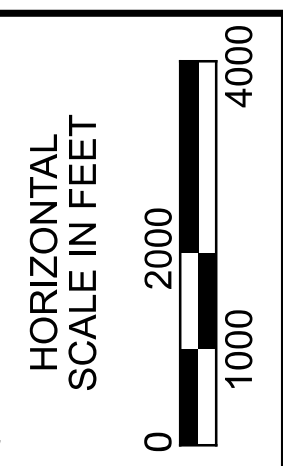
100650

SHEET

1

TOTAL

46



LOCATION MAP (RESURFACING)

DESIGN AGENCY



DESIGNER

NCD

REVIEWER

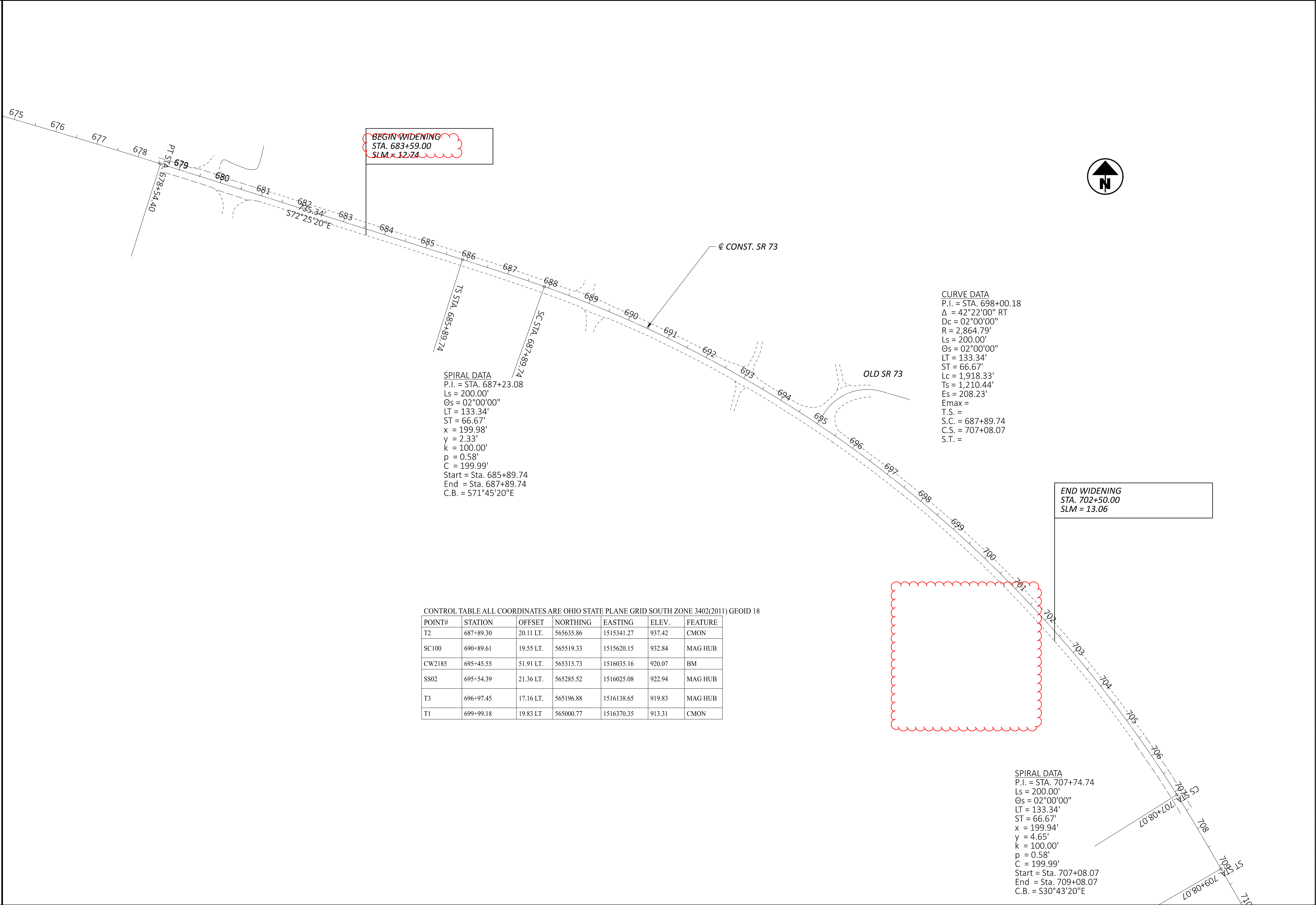
JDO 08-22

CTD A A

PROJECT ID
100650

100030

TOTAL



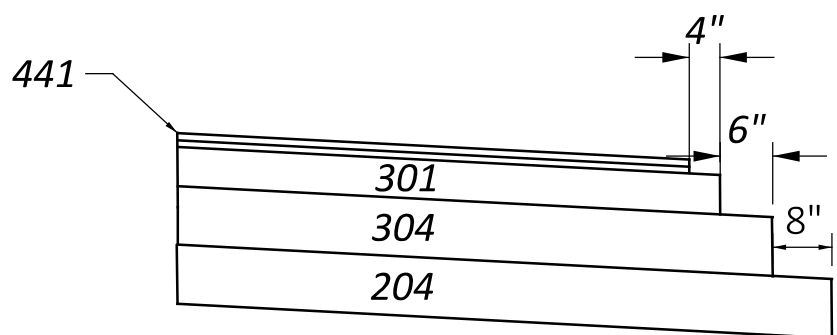
LEGEND

- (A) EXISTING PAVEMENT (4" EX. ASPHALT, 9" EX. REINFORCED CONCRETE PAVEMENT, 6" SUBBASE)
- (1) ITEM 441 - 1-1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22
- (2) ITEM 441 - 1-3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)
- (3) ITEM 407 - NON-TRACKING TACK COAT (0.09 GAL/SY)
- (4) ITEM 407 - NON-TRACKING TACK COAT (0.06 GAL/SY)
- (5) ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE, 1-1/4"
- (6) ITEM 204 - EXCAVATION OF SUBGRADE
- (7) ITEM 204 - 14" GRANULAR MATERIAL TYPE C
- (8) ITEM 304 - 8" AGGREGATE BASE
- (9) ITEM 659 - SEED AND MULCH
- (10) ITEM 606 - GUARDRAIL TYPE MGS W/ LONG POST
- (11) ITEM 204 - GEOTEXTILE FABRIC
- (12) ITEM 301 - 8" ASPHALT CONCRETE BASE, (449), PG64-22
- (13) ITEM 617 - COMPACTED AGGREGATE 12" WIDE, 2" DEEP
- (14) ITEM 605 - 6" BASE PIPE UNDERDRAIN

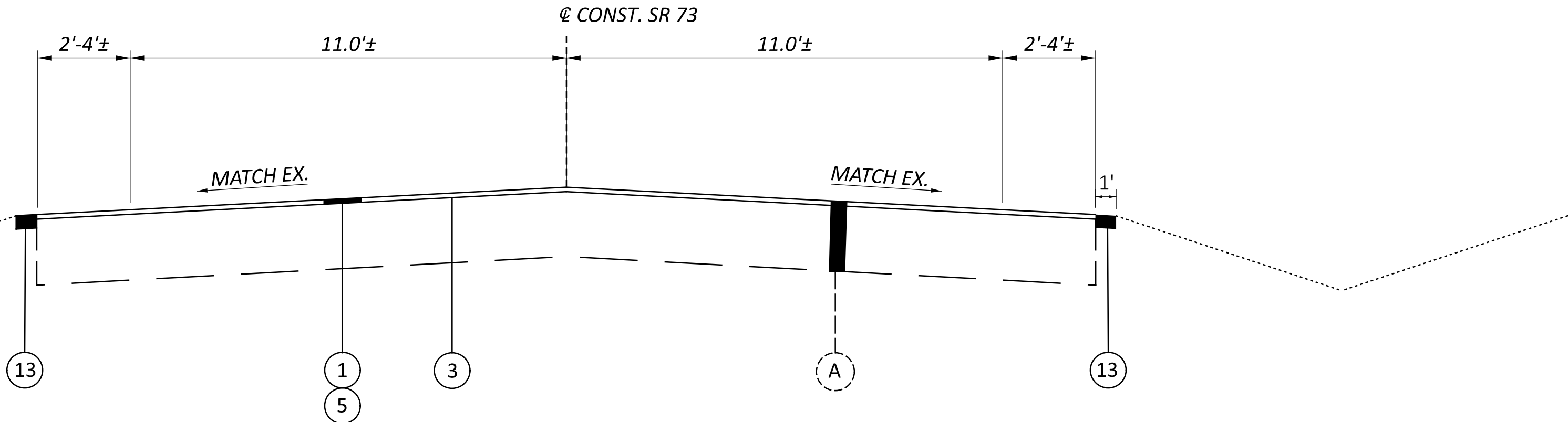
* THE EXISTING PAVEMENT SHALL BE CUT TO LOCATE A SOUND PAVEMENT. SEE TYPICAL SECTION AND PLAN VIEW FOR SAWCUT LOCATION.

** WIDENS 0' TO 12' FROM 683+59.00 TO 691+34.00
STAYS 12' FROM 691+34.00 TO 695+28.00
CONTRACTS FROM 12' TO 0' FROM 695+28.00 TO 702+50.00

*** GUARDRAIL APPLIES ONLY TO STA. 694+23.00 TO 696+64 & STA. 700+49.00 TO 702+50.00.
STANDARD GUARDRAIL GRADING PER MGS-2.1, IS REQUIRED AT TYPE T AND TYPE E END ANCHORS.

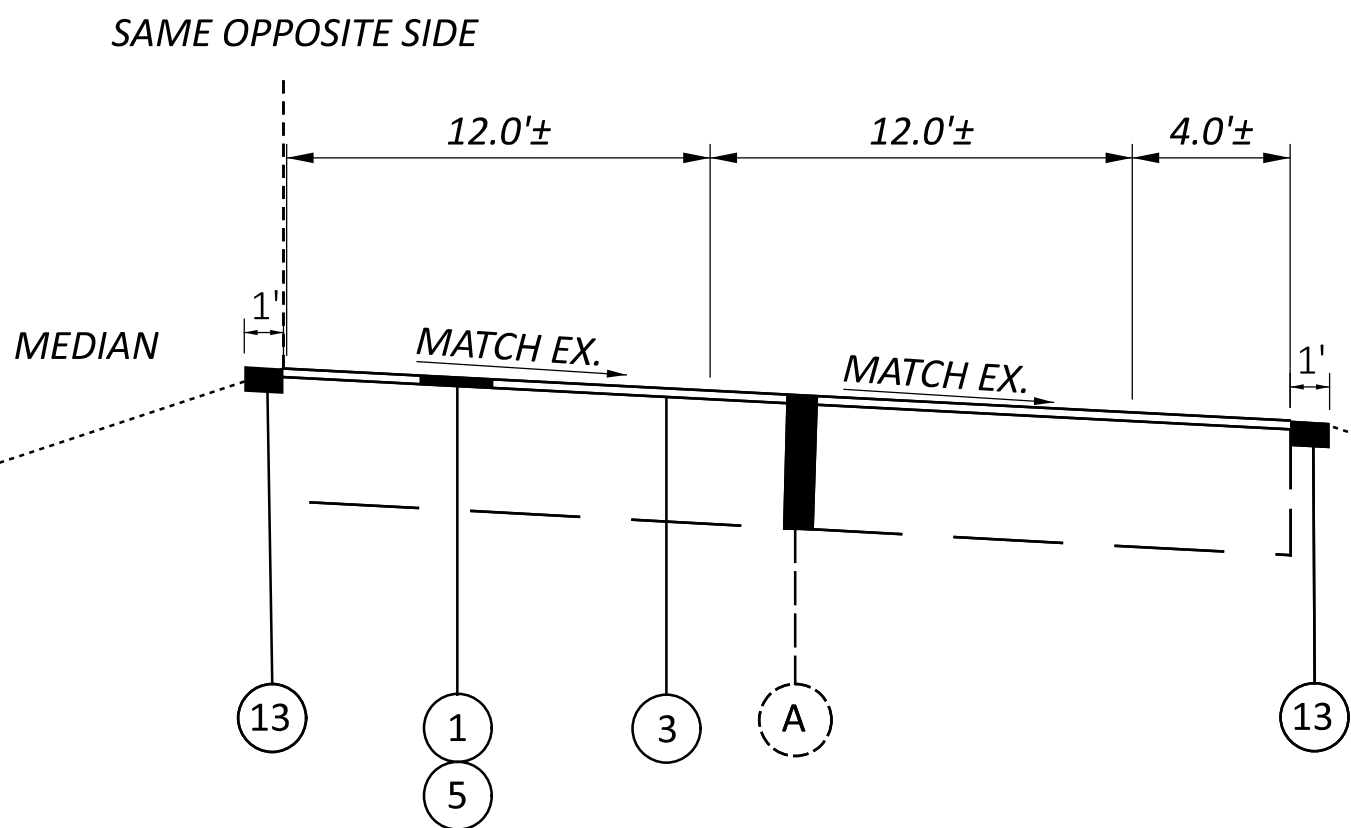


STEP DETAIL



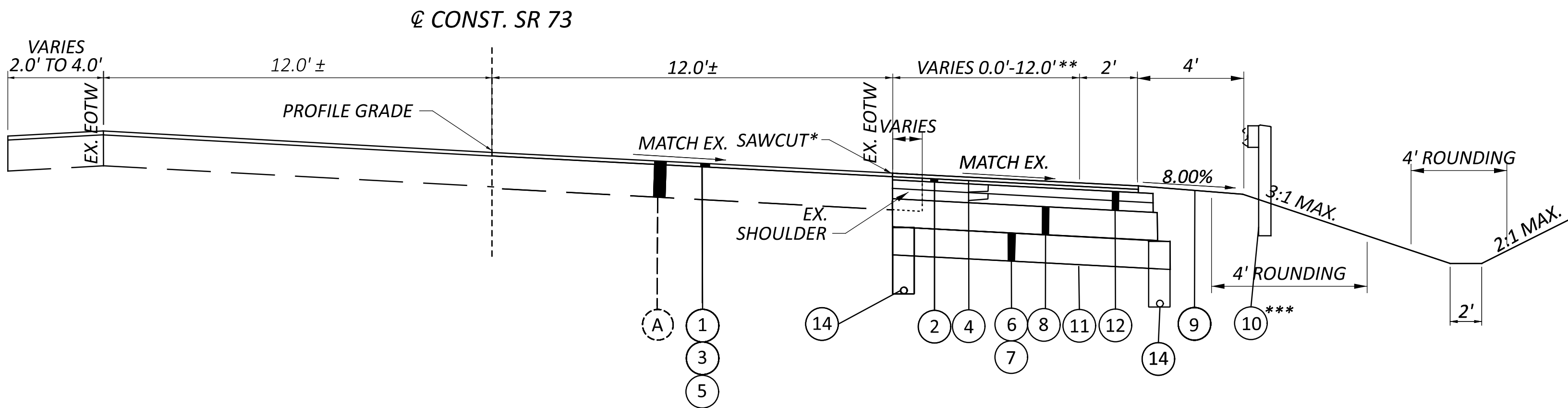
RESURFACING SECTION - SR 73

S.L.M. 7.20 - 12.74 & 13.06 - 17.41



RESURFACING SECTION - SR 73

S.L.M. 17.41 - 20.03



SUPERELEVATED SECTION - SR 73

STA. 683+59.00 TO STA. 702+50.00

CONTINGENCY QUANTITIES

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK LISTED IN THE GENERAL SUMMARY FOR ITEMS DESIGNATED BY PLAN NOTE TO BE USED "AS DIRECTED BY THE ENGINEER UNLESS AUTHORIZED BY THE ENGINEER". THE ACTUAL WORK LOCATIONS AND QUANTITIES USED AT THE ENGINEER'S DIRECTION SHALL BE MADE A MATTER OF RECORD BY INCORPORATION INTO THE FINAL CHANGE ORDER GOVERNING COMPLETION OF THE PROJECT.

PERMANENT PAVEMENT MARKINGS

THE CONTRACTOR SHALL REFERENCE ALL PAVEMENT MARKINGS INCLUDING AUXILIARY PAVEMENT MARKINGS BEFORE THE START OF THE RESURFACING OPERATION. THIS WILL BE NECESSARY TO ASSURE THE CORRECT PLACEMENT OF MARKINGS IN ORIGINAL LOCATIONS. FOR CENTER LINE MARKINGS, THE CONTRACTOR SHALL INSTALL THE PASSING/NO PASSING ZONE MARKINGS ACCORDING TO THE CURRENT CENTER LINE LOGS AVAILABLE AT <http://www.dot.state.oh.us/Divisions/Operations/Traffic/miscellaneous/Pages/CenterlinePassingandNoPassingZoneLogs.aspx> PAYMENT FOR THIS OPERATION SHALL BE INCLUDED WITH EACH RESPECTIVE PAVEMENT MARKING ITEM.

ITEM 623- CONSTRUCTION LAYOUT STAKES, AS PER PLAN

PRIOR TO THE START OF ROADWAY OPERATION, THE CONTRACTOR SHALL REFERENCE THE LENGTH OF THE PROJECT ON BOTH SIDES OF THE ROADWAY, IN A MANNER SATISFACTORY TO THE ENGINEER. THE PAVEMENT SHALL BE REFERENCED IN 500' FEET INCREMENTS, OR IN INCREMENTS ACCEPTABLE TO THE ENGINEER, IN A SEMIPERMANENT CONDITION.

GUARDRAIL INSTALLATION

THIS PROJECT REQUIRES THE INSTALLATION OF NEW GUARDRAIL POSTS. SURVEY WORK HAS NOT BEEN PERFORMED EVERYWHERE ON THIS PROJECT, NOR HAVE THE UTILITY LOCATIONS BEEN CONFIRMED IN THE FIELD. IN ADDITION TO CMS 105.07, IF, DURING THE COURSE OF INSTALLING ANY NEW GUARDRAIL COMPONENT, IT IS DETERMINED THAT A UTILITY CONFLICT MAY RESULT, THE CONTRACTOR IS TO NOTIFY THE PROJECT ENGINEER IMMEDIATELY. UTILITIES ARE NOT TO BE RELOCATED AS A RESULT OF THIS OPERATION. ADJUSTMENTS TO THE PROPOSED GUARDRAIL WILL ACCOMMODATE THE EXISTING UTILITY. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING THE GUARDRAIL VIA MEANS THAT WOULD BE COMPLIANT WITH THE IMPACTED UTILITY'S SAFETY GUIDELINES AS WELL AS STILL MEETING ODOT'S DESIGN CRITERIA. ANY MINOR ADJUSTMENTS MADE TO THE PROPOSED GUARDRAIL INSTALLATIONS SHALL BE INCIDENTAL TO PAY ITEM 606.

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.

GUARDRAIL REPLACEMENT

NO HAZARD SHALL BE LEFT UNPROTECTED EXCEPT FOR THE ACTUAL TIME NECESSARY TO REMOVE THE EXISTING GUARDRAIL, PREPARE THE SITE, AND INSTALL THE NEW GUARDRAIL/BARRIER IN A CONTINUOUS OPERATION. THE REMOVAL OF ALL GUARDRAIL/BARRIER SHALL AT ALL TIMES BE AS DIRECTED BY THE ENGINEER. NO GUARDRAIL/BARRIER SHALL BE REMOVED UNTIL THE REPLACEMENT MATERIAL IS ON SITE, READY FOR INSTALLATION. FAILURE TO COMPLY WITH THIS REQUIREMENT SHALL BE DEEMED SUFFICIENT CAUSE TO ORDER WORK SUSPENDED UNTIL SUCH TIME AS THE ENGINEER IS ASSURED OF COMPLIANCE.

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.

PROFILE AND ALIGNMENT

PLACE THE PROPOSED PAVEMENT TO FOLLOW THE ALIGNMENT AND PROFILE OF THE EXISTING PAVEMENT. UNLESS OTHERWISE NOTED IN THE PLANS.

ITEM 606 - ANCHOR ASSEMBLY, MGS TYPE E

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING MASH 2016 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 REBOUNDABLE RETROFELCTIVE SHEETING, PER CMS 730.191.

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.

ITEM 202 - BRIDGE TERMINAL ASSEMBLY REMOVED

THIS PAY ITEM IS TO INCLUDE REMOVAL OF ALL EXTRA GUARDRAIL COMPONENTS IN EXCESS OF NORMAL GUARDRAIL WITHIN THE LIMITS OF THE BRIDGE TERMINAL ASSEMBLY.

UTILITIES

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

MCI/Verizon
5400 Duff Dr
Cincinnati, OH 45246
757-799-8038 (Cynthia Martinez)
cynthia.martinez@verizon.com

AES Ohio
1900 Dryden Rd
Dayton, OH 45439
937-554-9063 (William Ward)
William.Ward@aes.com

Warren County Water & Sewer
406 Justice Drive
Lebanon, OH 45036
513-695-1377 (Chris Brausch)
Chris.brausch@co.warren.oh.us

SEEDING AND MULCHING

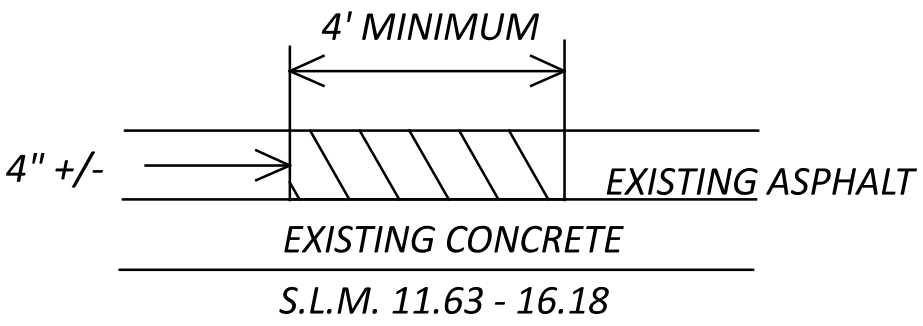
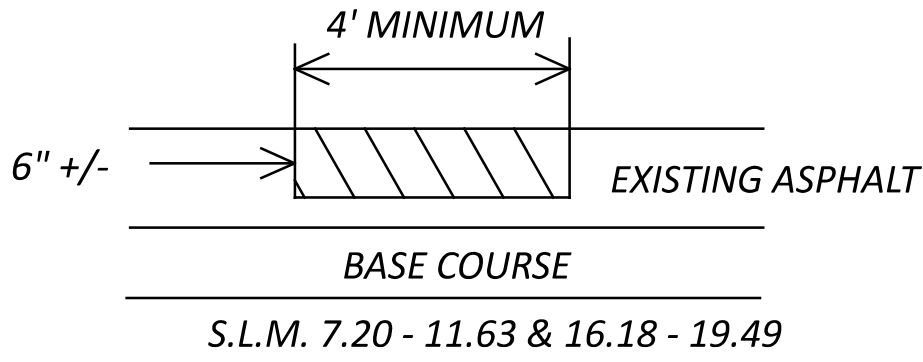
THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS AT THE WIDENING LIMITS:

659, TOPSOIL	313 CU. YD.
659, SEEDING AND MULCHING	2818 SQ. YD.
659, WATER	16 M. GAL.
659, LIME	0.58 ACRES
659, COMMERICAL FERTILIZER	0.38 TONS

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.

ITEM 253 - PAVEMENT REPAIR (A)

AN ESTIMATED QUANTITY OF 500 CU YDS OF ITEM 253-PAVEMENT REPAIR HAS BEEN CARRIED TO THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER. THIS OPERATION SHALL BE PERFORMED BEFORE PAVEMENT PLANING OF ROADWAY.



EXISTING DETERIORATED ASPHALT SHALL BE REMOVED TO A DEPTH OF 4" ±, OR 6 ± AS NOTED ABOVE, OR AS DIRECTED BY THE ENGINEER AND REPLACED WITH ITEM 301, ASPHALT CONCRETE BASE. THE 301 SHALL BE COMPACTED AS PER 401.08E AND IN APPROXIMATELY EQUAL LAYERS. THE LOCATIONS AND SIZE OF THE REPAIRS SHALL BE DETERMINED BY THE ENGINEER.

ROUNDING

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

ITEM 202 - ANCHOR ASSEMBLY REMOVED, TYPE A, AS PER PLAN

WHERE DESIGNATED, EXISTING ANCHOR ASSEMBLIES INCLUDING POSTS AND HARDWARE SHALL BE REMOVED. THIS ITEM SHALL ALSO INCLUDE THE REMOVAL OF THE ENTIRE CONCRETE ANCHOR AND CONCRETE ENCASEMENT. ALL HOLES LEFT AFTER REMOVAL OF ASSEMBLIES AND POSTS SHALL BE FILLED WITH GRANULAR MATERIAL AS DIRECTED BY THE ENGINEER. PAYMENT SHALL INCLUDE ALL NECESSARY LABOR AND EQUIPMENT REQUIRED TO PERFORM THE WORK ASS INDICATED ABOVE. PAYMENT SHALL BE AT THE UNIT BID PRICE.

SURVEYING PARAMETERS - OHIO STATE PLANE (NORTH/SOUTH)

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

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

PROJECT CONTROL
POSITIONING METHOD: OHIO REAL TIME NETWORK (2011)
MONUMENT TYPE: TYPE B

VERTICAL POSITIONING
ORTHOMETRIC HEIGHT DATUM: NAVD 88
GEOID: 18

HORIZONTAL POSITIONING
REFERENCE FRAME: NAD83(2011)
ELLIPSOID: GRS 80
COORDINATE SYSTEM: OHIO STATE PLAN SOUTH (3702)
MAP PROJECTION: LAMBERT CONFORMAL CONIC 2 STANDARD PARALLEL
PROJECT ADJUSTMENT FACTOR: 1.00

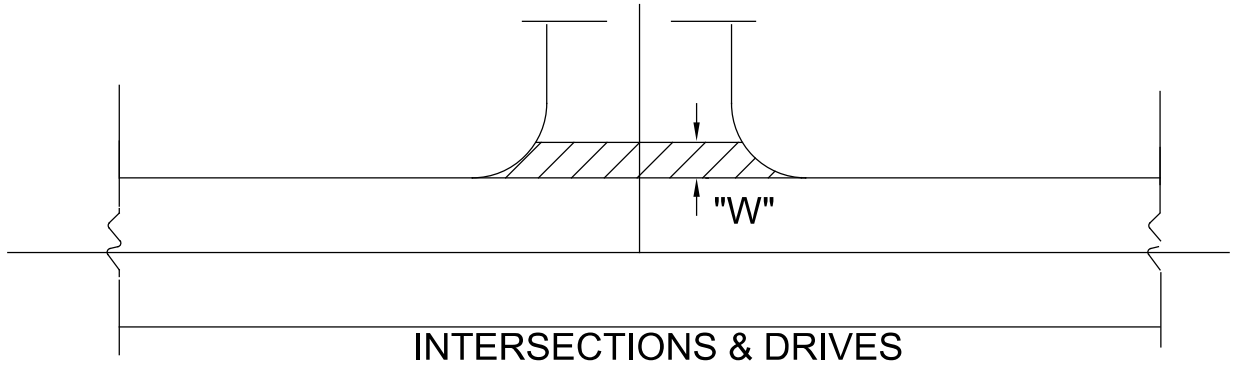
USE THE POSITIONING METHODS AND MONUMENT TYPE USED IN THE ORIGINAL SURVEY TO RESTORE ALL MONUMENTS RELATED TO PRIMARY PROJECT CONTROL THAT ARE DAMAGED OR DESTROYED BY CONSTRUCTION ACTIVITIES. RESTORE THE DAMAGED OR DESTROYED MONUMENTS IN ACCORDANCE WITH CMS 623.

UNITS ARE IN U.S. SURVEY FEET.

ITEM 254 - PAVEMENT PLANING

THE PAVEMENT PLANING SHALL BE SCHEDULED TO BE COVERED BY THE SURFACE COURSE PRIOR TO REOPENING THE LANE TO TRAFFIC, EXCEPT THE CONTRACTOR IS PERMITTED TO MILL AHEAD 1000 FEET BEYOND THE PLACED SURFACE COURSE. THE MILLED AHEAD SURFACE SHALL BE COVERED BY THE SURFACE COURSE ASPHALT WITHIN 72 HOURS OF BEING OPEN TO TRAFFIC. ADDITIONALLY, THE MILLED AHEAD SURFACE SHALL NOT BE LOCATED WITHIN AN INTERSECTION OR RAMP. THE MILLED AHEAD SURFACE SHALL BE SMOOTH, FREE OF DEBRIS, AND FREE OF POTHOLE. A DISINCENTIVE IN THE AMOUNT OF \$16.200 SHALL BE ASSESSED FOR EACH DAY THE CONTRACTOR FAILS TO MEET ANY OF THESE REQUIREMENTS.

INTERSECTIONS AND DRIVES



INTERSECTION AND DRIVES QUANTITIES ARE INCLUDED IN THE ASPHALT CONCRETE QUANTITIES. INTERSECTION QUANTITIES HAVE BEEN ESTIMATED AT 15' MEASURED FROM EDGE OF PAVED SHOULDER, DRIVE QUANTITIES HAVE BEEN ESTIMATED AT 3' "W" MEASURED FROM EDGE OF PAVED SHOULDER.

PERFORM WORK PER SPECIFIED OFFSET LIMITS UNLESS THERE IS AN EXISTING JOINT LOCATED CLOSER TO THE EDGE OF PAVED SHOULDER, IN WHICH CASE END WORK AT SAID JOINT.

ITEM SPECIAL - MAILBOX REMOVED AND RESET

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) (DOUBLE).

THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY.

ITEM SPECIAL- MAILBOX REMOVED AND RESET..... 2 EA*

*LOCATED AT STATION 688+96.00 RT & 688+60 LT. MAINTAIN THE EXISTING OFFSET FROM THE EDGE OF SHOULDER.

SOLE SOURCE AQUIFER PROTECTION

THIS PROJECT IS LOCATED WITHIN THE GREATER MIAMI SOLE SOURCE AQUIFER FROM S.L.M. 14.251 TO S.L.M. 14.716. THIS PROJECT IS ALSO LOCATED WITHIN THE WAYNESVILLE VILLAGE PWS - SOURCE PROTECTION AREA FROM S.L.M. 14.351 TO S.L.M. 14.867. USE PROPER CONTAINMENT AND DIKING IN REFUELING AREAS. DO NOT STORE FUELS, TOXIC/HAZARDOUS MATERIALS, AND CHEMICALS NEAR DRAINAGE WAYS, DITCHES, OR STREAMS. MAINTAI A SPILL KIT ON-SITE THROUGHOUT CONSTRUCTION ACTIVITIES. IMMEDIATELY MITIGATE ANY EVENT, SUCH AS A SPILL OF FUELS, OILS, OR CHEMICALS, THAT COULD THREATEN TO CONTAMINATE THE DRINKING WATER SUPPLY. REPORT ALL SPILLS OR EVENTS TO THE WARREN COUNTY WATER & SEWER DEPARTMENT AT (513)-695-1377. IF THE SPILL IS A REPORTABLE AMOUNT (PER OHIO EPA'S RELEASE REPORTING REQUIREMENTS), CONTACT WAYNE TOWNSHIP FIRE DEPARTMENT AT (513)-897-3010, OR OHIO EPA'S SPILLS HOTLINE 1-800-282-9378 FOR CLEAN-UP OF THE SPILL.

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"	24	0	24
30"	5	0	0
48"	0	0	0
60"	0	0	0

GENERAL NOTES

DESIGN AGENCY



DESIGNER

NCD

REVIEWER

JDO 08-22-25

PROJECT ID

100650

SHEET

6

TOTAL

46

SEQUENCE OF CONSTRUCTION

PHASE 1

1. CONSTRUCT LEFT TURN LANE WIDENING FROM 683+60 TO 702+60 THROUGH THE INTERMEDIATE COURSE OF ASPHALT.
2. MAINTAIN TRAFFIC FOR THE EAST-WEST MOVEMENT ON SR 73 USING TWO-WAY TRAFFIC ON THE EXISTING PAVEMENT. PLACE PORTABLE BARRIER TO SEPARATE THE CONSTRUCTION ZONE FROM THE TRAFFIC BEING MAINTAINED. CONTRACTOR SHALL MAINTAIN ALL DRIVEWAY ACCESS TO ALL PROPERTIES AT ALL TIMES.

PHASE 2

1. REMOVE PORTABLE BARRIER AND OPEN THE ROADWAY INTO THE FINAL CONFIGURATION USING WORK ZONE PAVEMENT MARKINGS AND PERMANENT SIGNAGE.

PHASE 3

1. COMPLETE MILL AND FILL OPERATION FOR THE LENGTH OF THE PROJECT. COMPLETE ALL SIGNAGE AND PLACEMENT OF THE FINAL PAVEMENT MARKINGS.

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 THE 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 OF TRAFFIC RESTRICTIONS TIME TABLE		
ITEM	DURATION OF CLOSURE	NOTICE DUE TO PERMITS & PIO
RAMP & ROAD CLOSURES	>= 2 WEEKS	21 CALENDAR DAYS
	> 12 HOURS	14 CALENDAR DAYS
	& < 2 WEEKS	PRIOR TO CLOSURE
	<= 12 HOURS	4 CALENDAR DAYS
LANE CLOSURES & RESTRICTIONS	>= 2 WEEKS	14 CALENDAR DAYS
	< 2 WEEKS	5 BUSINESS DAYS
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.		

ITEM 614 - MAINTAINING TRAFFIC

MAINTAIN 1 LANE OF TRAFFIC IN EACH DIRECTION AT ALL TIMES, EXCEPT ONE-LANE TWO-WAY TRAFFIC MAY BE MAINTAINED DURING WORKING HOURS.

NO WORK SHALL BE PERFORMED AND ALL EXISTING LANES SHALL BE OPEN TO TRAFFIC DURING THE FOLLOWING DESIGNATED HOLIDAYS OR SPECIAL EVENTS:

NEW YEAR'S (OBSERVED)	GENERAL/REGULAR ELECTION DAY (NOV)
THANKSGIVING	
MEMORIAL DAY	CHRISTMAS (OBSERVED)
FOURTH OF JULY (OBSERVED)	SAUERKRAUT FESTIVAL
LABOR DAY	RENAISSANCE FESTIVAL

THE PERIOD OF TIME THAT THE LANES ARE TO BE OPEN DEPENDS ON THE DAY OF THE WEEK ON WHICH THE HOLIDAY OR SPECIAL EVENT FALLS. THE FOLLOWING SCHEDULE SHALL BE USED TO DETERMINE THIS PERIOD:

DAY OF HOLIDAY	TIME ALL LANES OR SPECIAL EVENT	MUST BE OPEN TO TRAFFIC
SUNDAY	12:00N	FRIDAY THROUGH 6:00 AM MONDAY
MONDAY	12:00N	FRIDAY THROUGH 6:00 AM TUESDAY
TUESDAY	12:00N	MONDAY THROUGH 6:00 AM WEDNESDAY
TUESDAY	(GEN./REG. ELECTION)	
	5:00 AM	TUESDAY THROUGH 12:00 AM WEDNESDAY
WEDNESDAY	12:00N	TUESDAY THROUGH 6:00 AM THURSDAY
THURSDAY	12:00N	WEDNESDAY THROUGH 6:00 AM FRIDAY
THURSDAY	(THANKSGIVING ONLY)	
	6:00 AM	WEDNESDAY THROUGH 6:00 AM MONDAY
FRIDAY	12:00N	THURSDAY THROUGH 6:00 AM MONDAY
SATURDAY	12:00N	FRIDAY THROUGH 6:00 AM MONDAY

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE PER THE LANE VALUE CONTRACT (PN 127).

LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.

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.

ITEM 614- WORK ZONE MARKINGS

THE CONTRACTOR SHALL PLACE WORK ZONE PAVEMENT MARKINGS UPON COMPLETION OF THE ASPHALT SURFACE COURSE PRIOR TO OPENING THE ROADWAY TO TRAFFIC.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AT LOCATIONS IDENTIFIED BY THE ENGINEER FOR WORK ZONE PAVEMENT MARKINGS PER THE REQUIREMENTS OF PER C&MS 614.11.

ITEM 614 - WORK ZONE LANE LINE, CLASS III, 6", 642 PAINT	4.42 MILES
ITEM 614 - WORK ZONE EDGE LINE, CLASS III, 6", 642 PAINT	29.81 MILES
ITEM 614 - WORK ZONE CENTER LINE, CLASS III, 642 PAINT	10.78 MILES
ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS III, 12", 642 PAINT	4980 FT.
ITEM 614 - WORK ZONE STOP LINE, CLASS III, 642 PAINT	300 FT.

PLACEMENT OF ASPHALT CONCRETE

TWO-WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES EXCEPT THAT ONE-WAY TRAFFIC WILL BE PERMITTED FOR MINIMUM PERIODS OF TIME CONSISTENT WITH THE REQUIREMENTS OF THE SPECIFICATIONS FOR PROTECTION OF COMPLETED ASPHALT CONCRETE COURSES.

DUST CONTROL

THE CONTRACTOR SHALL FURNISH AND APPLY WATER FOR DUST CONTROL AS DIRECTED BY THE ENGINEER. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED FOR DUST CONTROL PURPOSES:

ITEM 616, WATER 4 M. GAL.

ITEM 614, WORK ZONE IMPACT ATTENUATOR FOR 24" WIDE HAZARDS (UNIDIRECTIONAL OR BIDIRECTIONAL)

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING A NON-GATING IMPACT ATTENUATOR. FURNISH AN IMPACT ATTENUATOR FROM THE OFFICE OF ROADWAY ENGINEERING'S APPROVED LIST FOR WORK ZONE IMPACT ATTENUATORS, FROM THE ROADWAY STANDARDS APPROVED PRODUCTS WEB PAGE.

INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

THE CONTRACTOR SHALL REPAIR OR REPLACE A DAMAGED UNIT WITHIN 24 HOURS OF A DAMAGING IMPACT.

WHEN BIDIRECTIONAL DESIGNS ARE SPECIFIED, THE CONTRACTOR SHALL SUPPLY APPROPRIATE TRANSITIONS.

WHEN GATING IMPACT ATTENUATORS ARE DESIRED, THE CONTRACTOR SHALL SUBMIT DOCUMENTATION TO THE ENGINEER FOR ACCEPTANCE.

THE COST FOR THE ADDITIONAL BARRIER REQUIRED FOR A GATING IMPACT ATTENUATOR SHALL BE INCLUDED IN THE COST OF THE GATING IMPACT ATTENUATOR.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT AND MAINTAIN A COMPLETE AND FUNCTIONAL IMPACT ATTENUATOR SYSTEM, INCLUDING ALL RELATED BACKUPS, TRANSITIONS, LEVELING PADS, HARDWARE AND GRADING, NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER.

DELINEATION OF PORTABLE AND PERMANENT BARRIER

BARRIER REFLECTORS AND OBJECT MARKERS SHALL BE INSTALLED ON ALL PORTABLE BARRIER (PB) USED FOR TRAFFIC CONTROL; AND, ON PERMANENT CONCRETE BARRIER (INCLUDING BRIDGE PARAPETS) LOCATED WITHIN 5 FEET OF THE EDGE OF THE ADJACENT TRAVEL LANE.

BARRIER REFLECTORS SHALL CONFORM TO C&MS 626, EXCEPT THAT THE SPACING SHALL BE AS PER TRAFFIC SCD MT-101.70. OBJECT MARKERS AND THEIR INSTALLATION SHALL CONFORM TO C&MS 614.03 AND SCD MT-101.70. WHEN THE PB OR PERMANENT BARRIER (INCLUDING BRIDGE PARAPETS) CONTAINS GLARE SCREEN, ONE SET OF THREE VERTICAL STRIPES OF SHEETING SHALL BE CONSIDERED EQUIVALENT TO AN OBJECT MARKER, ONE-WAY.

INCREASED BARRIER DELINEATION, AS SPECIFIED HEREIN, SHALL BE INSTALLED ON ALL PB AND PERMANENT CONCRETE BARRIER LOCATED WITHIN 5 FEET OF THE EDGE OF THE TRAVELED LANE UNDER EITHER OF THE FOLLOWING CONDITIONS: ALONG TAPERS AND TRANSITION AREAS; OR ALONG CURVES (OUTSIDE ONLY) WITH DEGREE OF CURVATURE GREATER THAN OR EQUAL TO 3 DEGREES.

THE INCREASED BARRIER DELINEATION SHALL CONSIST OF EITHER DELINEATION PANELS OR THE TRIPLE STACKING OF WORK ZONE BARRIER REFLECTORS.

DELINEATION PANELS SHALL CONSIST OF PANELS OF DELINEATION, APPROXIMATELY 34 INCHES LONG AND 6 INCHES WIDE AND SHALL BE "CRIMPED." PANELS SHALL BE INSTALLED AND SPACED PER TRAFFIC SCD MT-101.70.

TRIPLE-STACKED BARRIER REFLECTORS SHALL CONSIST OF ALIGNING THREE BARRIER REFLECTORS VERTICALLY, AT LOCATIONS WHERE A SINGLE BARRIER REFLECTOR WOULD BE OTHERWISE ATTACHED. THERE SHALL BE NO OPEN SPACE BETWEEN THE ADJACENT BARRIER REFLECTORS. THE TRIPLE-STACKED BARRIER REFLECTORS SHALL CONFORM TO C&MS 626, EXCEPT THAT THEY SHALL BE SPACED AND ALIGNED PER TRAFFIC SCD MT-101.70.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE PLANS AND CARRIED TO THE GENERAL SUMMARY:

ITEM 614, BARRIER REFLECTOR, TYPE 1 (BI-DIRECTIONAL) 41 EACH

ITEM 614, OBJECT MARKER, TWO - WAY 41 EACH

ITEM 614, INCREASED BARRIER DELINEATION 172 FEET

PAYMENT SHALL BE FULL COMPENSATION FOR ALL MATERIAL, LABOR, INCIDENTALS AND EQUIPMENT NECESSARY FOR FURNISHING, INSTALLING, MAINTAINING AND REMOVING EACH OF THE ABOVE ITEMS.

ALONG RUNS OF INCREASED BARRIER DELINEATION WHERE THIS ITEM IS PROVIDED, THE QUANTITY SHALL BE MEASURED AS THE ENTIRE LENGTH OF THE RUN OF INCREASED BARRIER DELINEATION, INCLUDING THE SPACES BETWEEN THE INDIVIDUAL DELINEATION PANELS OR STACKS OF BARRIER REFLECTORS.

DESIGN AGENCY



DESIGNER

NCD

REVIEWER

JDO 08-22-25

PROJECT ID

100650

SHEET

7

TOTAL

46

DELINEATION OF TEMPORARY AND PERMANENT GUARDRAIL

BARRIER REFLECTORS SHALL BE INSTALLED ON ALL TEMPORARY GUARDRAIL USED FOR TRAFFIC CONTROL; AND, ON ALL PERMANENT GUARDRAIL LOCATED WITHIN 5 FEET OF THE EDGE OF THE ADJACENT TRAVEL LANE. BARRIER REFLECTORS SHALL CONFORM TO C&MS 626 AND THE SPACING SHALL BE APPROXIMATELY 50 FEET.

OBJECT MARKERS SHALL BE INSTALLED ON ALL TEMPORARY AND PERMANENT GUARDRAIL LOCATED WITHIN 5 FEET OF THE EDGE OF THE ADJACENT TRAVEL LANE. GUARDRAIL-MOUNTING OF OBJECT MARKERS SHALL BE MADE BY INSTALLING THE OBJECT MARKERS ON THE EXTENSION BLOCKS RATHER THAN DIRECTLY ONTO THE GUARDRAIL ITSELF. OBJECT MARKERS SHALL CONFORM TO C&MS 614.03 AND THE SPACING SHALL BE APPROXIMATELY 50 FEET WITH A 25 FOOT OFFSET FROM THE BARRIER REFLECTORS.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE PLANS AND CARRIED TO THE GENERAL SUMMARY:

ITEM 626, BARRIER REFLECTOR, TYPE (2) (BIDIRECTIONAL) 4 EACH
614, OBJECT MARKER, TWO-WAY 4 EACH

PAYMENT SHALL BE FULL COMPENSATION FOR ALL MATERIAL, LABOR, INCIDENTALS AND EQUIPMENT NECESSARY FOR FURNISHING, INSTALLING, MAINTAINING AND REMOVING THE ABOVE ITEM(S).

ITEM 614, LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS

USE OF LAW ENFORCEMENT OFFICERS (LEOS) BY CONTRACTORS OTHER THAN THE USES SPECIFIED BELOW SHALL NOT BE PERMITTED AT PROJECT COST NOR TIME COMPENSATION. LEOS SHOULD NOT BE USED WHERE THE OMUTCD INTENDS THAT FLAGGERS BE USED.

IN ADDITION TO THE REQUIREMENTS OF C&MS 614 AND THE OMUTCD, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHALL BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS:

DURING THE ENTIRE ADVANCE PREPARATION AND CLOSURE SEQUENCE WHERE COMPLETE BLOCKAGE OF TRAFFIC IS REQUIRED.

DURING A TRAFFIC SIGNAL INSTALLATION WHEN IMPACTING THE NORMAL FUNCTION OF THE SIGNAL OR THE FLOW OF TRAFFIC, OR WHEN TRAFFIC NEEDS TO BE DIRECTED THROUGH AN ENERGIZED TRAFFIC SIGNAL CONTRARY TO THE SIGNAL DISPLAY (E.G., DIRECTING MOTORISTS THROUGH A RED LIGHT).

DURING PERIODS WHERE TRAFFIC NEEDS TO BE DIRECTED CONTRARY TO A TRAFFIC CONTROL DEVICE (FLAGGER, SIGN [E.G. STOP SIGN, STREET OR HIGHWAY SIGNS, ETC], SIGNAL OR OTHER DEVICE USED TO REGULATE, WARN OR GUIDE TRAFFIC). TRAFFIC IN THIS INSTANCE INCLUDES VEHICULAR, PEDESTRIAN AND/OR SHARED USE PATH USERS.

IN ADDITION TO THE REQUIREMENT OF C&MS 614 AND THE OMUTCD, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHOULD BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS AS APPROVED BY THE ENGINEER:

FOR LANE CLOSURES THAT MEET ALL OF THE CRITERIA LISTED BELOW: DURING INITIAL SET-UP PERIODS, TEAR DOWN PERIODS, SUBSTANTIAL SHIFTS OF A CLOSURE POINT OR WHEN NEW LANE CLOSURE ARRANGEMENTS ARE INITIATED FOR LONG-TERM LANE CLOSURES/SHIFTS (FOR THE FIRST AND LAST DAY OF MAJOR CHANGES IN TRAFFIC CONTROL SETUP).

CRITERIA
ON A MULTI-LANE DIVIDED INTERSTATE, OTHER FREEWAY OR EXPRESSWAY; AND,
AN AUTHORIZED SPEED LIMIT OF 45 MPH OR GREATER THAT IS IN EFFECT AT THE TIME OF THE OPERATION; AND,
AADT OF 50,000 (OR AADT OF 30,000 WITH 25% OR HIGHER PERCENT TRUCKS)

IN GENERAL, LEOS SHOULD BE POSITIONED IN ADVANCE OF AND ON THE SAME SIDE AS THE LANE RESTRICTION (OR AT THE POINT OF ROAD CLOSURE), AND TO MANUALLY CONTROL TRAFFIC MOVEMENTS THROUGH SIGNALIZED INTERSECTIONS AND/OR IN CONTRARY TO OTHER TRAFFIC CONTROL DEVICES IN WORK ZONES.

LEOS SHOULD NOT FORGO THEIR TRAFFIC CONTROL RESPONSIBILITIES TO APPREHEND MOTORISTS FOR ROUTINE TRAFFIC VIOLATIONS. HOWEVER, IF A MOTORIST'S ACTIONS ARE CONSIDERED TO BE RECKLESS, THEN PURSUIT OF THE MOTORIST IS APPROPRIATE.

THE LEOS WORK AT THE DIRECTION OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR SECURING THE SERVICES OF THE LEOS WITH THE APPROPRIATE AGENCIES AND COMMUNICATING THE INTENTIONS OF THE PLANS WITH RESPECT TO DUTIES OF THE LEOS. THE ENGINEER SHALL HAVE FINAL CONTROL OVER THE LEOS' DUTIES AND PLACEMENT, AND WILL RESOLVE ANY ISSUES THAT MAY ARISE BETWEEN THE TWO PARTIES.

ENSURE PROVIDED LEOS HAVE BEEN TRAINED APPROPRIATE TO THE JOB DECISIONS THEY ARE REQUIRED TO MAKE WHILE ON THE PROJECT, IN ACCORDANCE WITH C&MS 614.03. THE LEO SHALL REPORT IN TO THE CONTRACTOR PRIOR TO THE START OF THE SHIFT, IN ORDER TO RECEIVE INSTRUCTIONS REGARDING SPECIFIC WORK ASSIGNMENTS DURING HIS/HER SHIFT. THE LEO IS EXPECTED TO STAY AT THE PROJECT SITE FOR THE ENTIRE DURATION OF HIS/HER SHIFT. THE LEO SHALL REPORT TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT. SHOULD IT BE NECESSARY TO LEAVE THE PROJECT SITE, THE LEO SHALL NOTIFY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE THE LEO WITH A TWO-WAY COMMUNICATION DEVICE THAT SHALL BE RETURNED TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT.

LEOS (WITH PATROL CAR) REQUIRED BY THE TRAFFIC MAINTENANCE TASKS ABOVE SHALL BE PAID FOR ON A UNIT PRICE (HOURLY) BASIS UNDER ITEM 614, LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY.

ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE 200 HOURS

THE HOURS PAID SHALL INCLUDE ANY MINIMUM SHOW-UP TIME REQUIRED BY THE LAW ENFORCEMENT AGENCY INVOLVED. ANY ADDITIONAL COSTS (ADMINISTRATIVE OR OTHERWISE) INCURRED BY THE CONTRACTOR TO OBTAIN THE SERVICES OF AN LEO ARE INCLUDED WITH THE BID UNIT PRICE FOR ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE.

LANE VALUE CONTRACT TABLE

LANE/RAMP TO BE MAINTAINED	RESTRICTED TIME PERIOD	TIME UNIT	DISINCENTIVE \$ PER TIME UNIT PER LANE
S.R. 73	NO RESTRICTION	1 MINUTE	\$270
INTERSECTION OF S.R. 73 & U.S. 42 (INCLUDING 1500' EAST AND WEST OF THE SIGNAL)	6 AM TO 9 AM & 3 PM TO 6 PM	1 MINUTE	\$270

DESIGN AGENCY



DESIGNER

NCD

REVIEWER

JDO 08-22-25

PROJECT ID

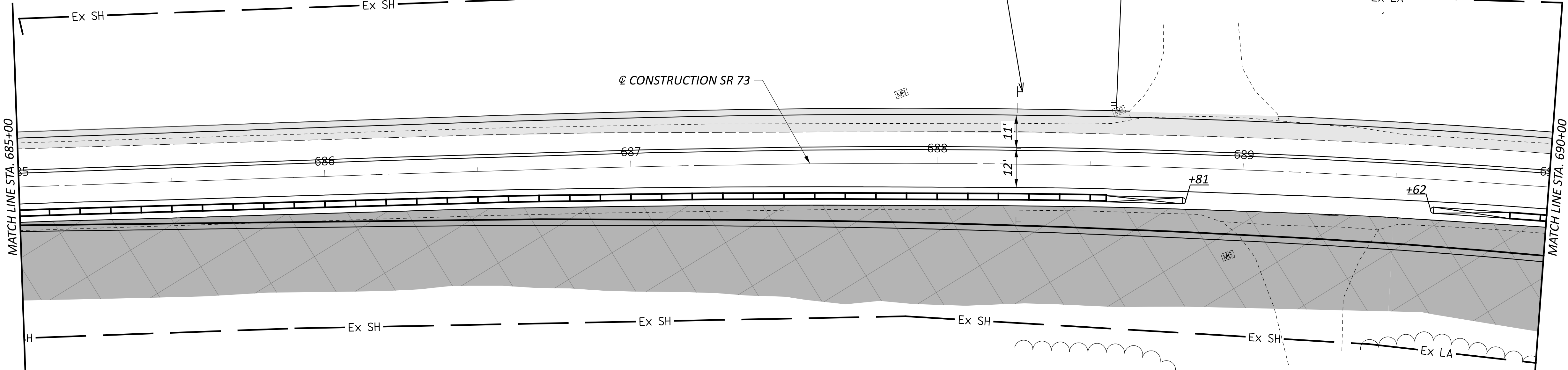
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SHEET

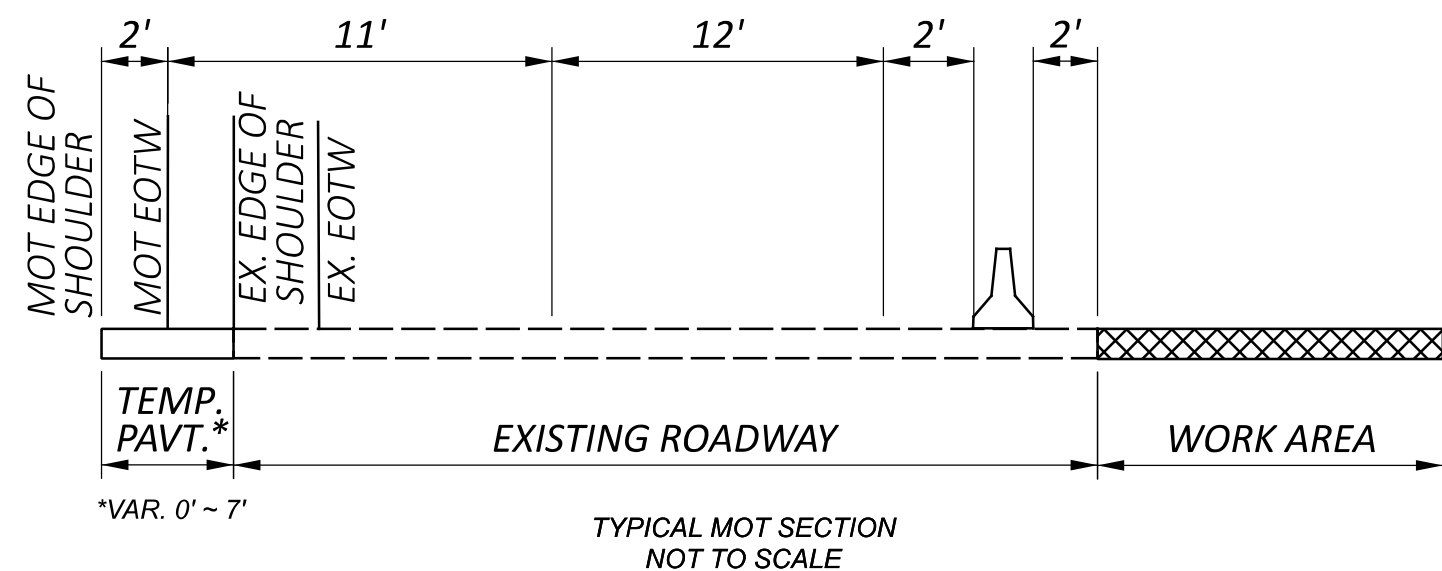
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TOTAL

46



© CONSTRUCTION SR 73



ITEM 615 - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B

RELOCATE SIGN A MIN. OF 6' AWAY FROM
EDGE OF PAVED SHOULDER
STA. 688+34

£ CONSTRUCTION SR 73

LEGEND

WORK AREA

END PORTABLE BARRIER TAPER
STA. 683+59
5' OFFSET
X
W1-48
STA. 683+53
W1-1M

W1-6L-48
STA. 682+85

END PORTABLE BARRIER TAPER

STA. 683+59

5' OFFSET

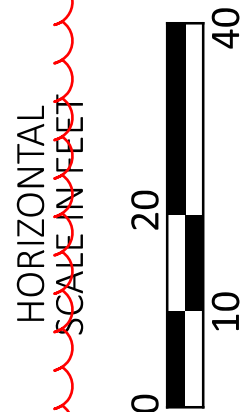
5'

END TAPER

STA. 683+55

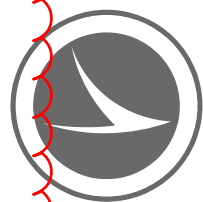
5' OFFSET

MATCH LINE STA. 685+00



~~MAINTENANCE OF TRAFFIC PLAN~~
STA. 680+00 TO STA. 690+00

DESIGN AGENCY



DESIGNER

NCD

REVIEWER

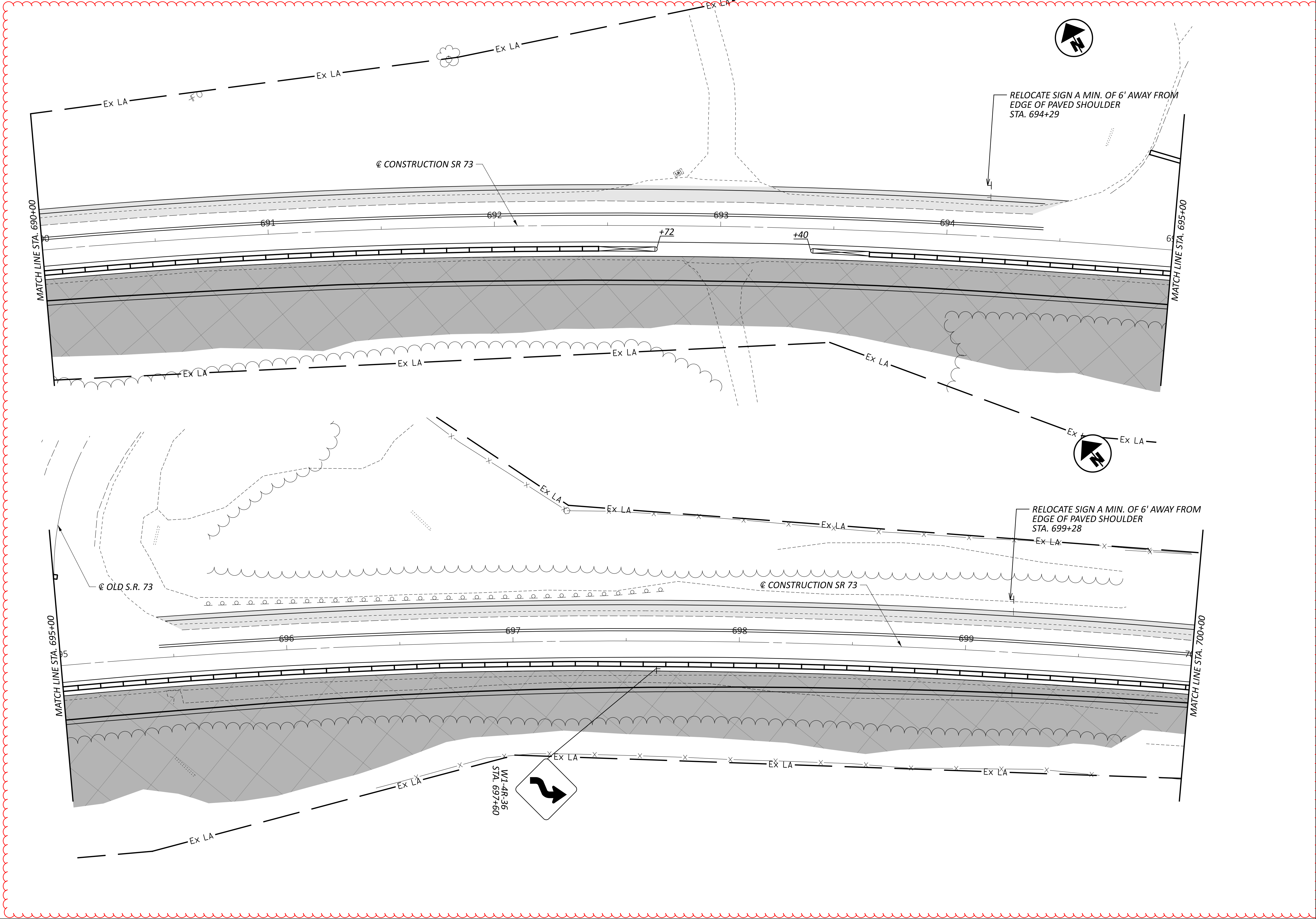
ID# 08-22-25

PROJECT ID

PROJECT ID
100650

100050

SHEET TOTAL



MAINTENANCE OF TRAFFIC PLAN
STA. 690+00 TO STA. 700+00

DESIGN AGENCY



DESIGNER

NCD

REVIEWER

JDO 08-22-25

PROJECT ID

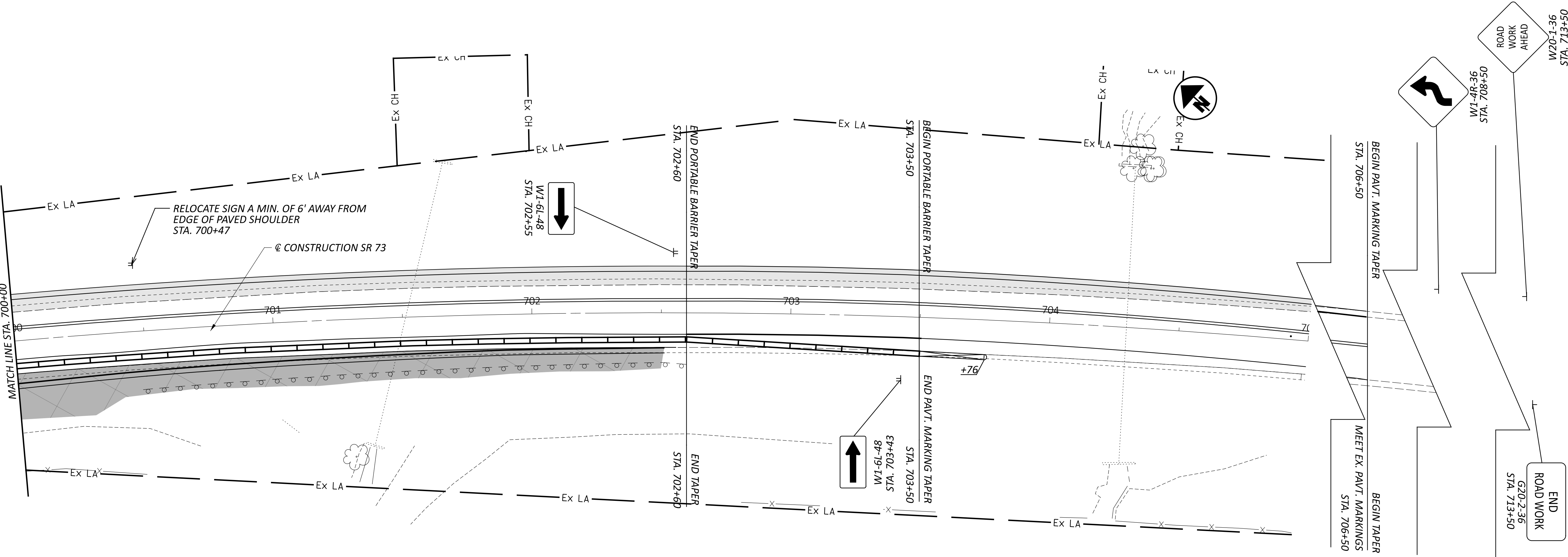
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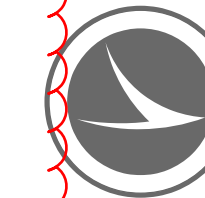
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TOTAL

46



DESIGN AGENCY



DESIGNER

NCD

REVIEWER

JDO 08-22-25

PROJECT ID

100650

SHEET TOTAL

11 46

MAINTENANCE OF TRAFFIC PLAN
STA. 700+00 TO STA. 705+00

HORIZONTAL
SCALE IN FEET



SHEET NUMBER											PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
5	6	14	15	18	19A	22	25	41	42		01/NHS	02/S>2	03/SAF						
																		ROADWAY	
			422										LS	201	11000	LS		CLEARING AND GRUBBING	
													422	202	23000	422	SY	PAVEMENT REMOVED	
													81	202	35100	81	FT	PIPE REMOVED, 24" DIAMETER AND UNDER	
				11,721							5,220.5	5,885.5	615	202	38000	11,721	FT	GUARDRAIL REMOVED	
				32							2	25	5	202	42001	32	EACH	ANCHOR ASSEMBLY REMOVED, TYPE A, AS PER PLAN	6
				19							10	8	1	202	42010	19	EACH	ANCHOR ASSEMBLY REMOVED, TYPE E	
				9							7	2		202	42040	9	EACH	ANCHOR ASSEMBLY REMOVED, TYPE T	
				1							1			202	42050	1	EACH	ANCHOR ASSEMBLY REMOVED, TYPE B	
				7							7			202	47000	7	EACH	BRIDGE TERMINAL ASSEMBLY REMOVED	
							566						566	203	10000	566	CY	EXCAVATION	
							1,020						1,020	203	20000	1,020	CY	EMBANKMENT	
			1,951										1,951	204	10000	1,951	SY	SUBGRADE COMPACTION	
			888										888	204	13000	888	CY	EXCAVATION OF SUBGRADE	
			888										888	204	30020	888	CY	GRANULAR MATERIAL, TYPE C	
			1,951										1,951	204	50000	1,951	SY	GEOTEXTILE FABRIC	
				142							70	61	11	209	15000	142	STA	RESHAPING UNDER GUARDRAIL	
				11,000							5,075	5,212.5	712.5	606	15100	11,000	FT	GUARDRAIL, TYPE MGS WITH LONG POSTS	
				46							11	30	5	606	26150	46	EACH	ANCHOR ASSEMBLY, MGS TYPE E, MASH 2016	
				5							4	1		606	26150	5	EACH	ANCHOR ASSEMBLY, MGS TYPE E, SOFTSTOP	
				14							8	5	1	606	26550	14	EACH	ANCHOR ASSEMBLY, MGS TYPE T	
				7							7			606	35002	7	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1	
	2					5							5	623	40000	5	EACH	MONUMENT ASSEMBLY REMOVED AND RESET	
													2	SPECIAL	69050350	2	EACH	MAILBOX REMOVED AND RESET	6
																		EROSION CONTROL	
313													313	659	00300	313	CY	TOPSOIL	
2,818													2,818	659	10000	2,818	SY	SEEDING AND MULCHING	
0.38													0.38	659	20000	0.38	TON	COMMERCIAL FERTILIZER	
0.58													0.58	659	31000	0.58	ACRE	LIME	
16													16	659	35000	16	MGAL	WATER	
													77	660	20000	77	SY	SODDING REINFORCED	
													29	670	00500	29	SY	SLOPE EROSION PROTECTION	
													24,405	832	30000	24,405	EACH	EROSION CONTROL	
													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	
																		DRAINAGE	
					6								6	601	21050	6	SY	TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT	
					2,816								2,816	605	14000	2,816	FT	6" BASE PIPE UNDERDRAINS	
					41								41	611	00510	41	FT	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS	
						46							46	611	04900	46	FT	12" CONDUIT, TYPE D, 706.02	
						49							49	611	04900	49	FT	12" CONDUIT, TYPE D	
					3								3	611	99710	3	EACH	PRECAST REINFORCED CONCRETE OUTLET	
																		PAVEMENT	
500											250	250		253	02000	500	CY	PAVEMENT REPAIR	
		229,104									157,085	72,019		254	01000	229,104	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 1.25"	
		2,298									1,576	722		254	01600	2,298	SY	PATCHING PLANED SURFACE	
			458										458	302	56000	458	CY	ASPHALT CONCRETE BASE, PG64-22, (449)	
			483					21	6				510	304	20000	510	CY	AGGREGATE BASE	
		20,619	410								14,137	6,482	410	407	20000	21,029	GAL	NON-TRACKING TACK COAT	
													9	407	10000	9	GAL	TACK COAT	
													4	441	70500	4	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), (DRIVEWAYS), 1.25"	
													5	441	70600	5	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (449), (DRIVEWAYS), 1.75"	
		7,955	68								5,454	2,501	68	441	50100	8,023	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG70-22M	
			95										95	441	50300	95	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)	
		952									680	272		617	10100	952	CY	COMPACTED AGGREGATE	
		17,717									12,237	5,480		617	20000	17,717	SY	SHOULDER PREPARATION	
		19									13.6	5.4		617	25000	19	MGAL	WATER	
		9.25									9.25			618	40600	9.25	MILE	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)	
		19.84									11.33	8.51		618	41000	19.84	MILE	RUMBLE STRIPES, EDGE LINE (ASPHALT CONCRETE)	

GENERAL SUMMARY

DESIGN AGENCY



DESIGNER

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REVIEWER

JDO 08-22-25

PROJECT ID

100650

SHEET

12

TOTAL

46

SHEET NUMBER											PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
6	7	8	14	16	17	18	19	40			01/NHS	02/S>2	03/SAF						
1,213											966	202	45	621	00100	1,213	EACH	RPM	
1,191											966	225		621	54000	1,191	EACH	RAISED PAVEMENT MARKER REMOVED	
		4				148					64	73	15	626	00110	152	EACH	BARRIER REFLECTOR, TYPE 2, (BIDIRECTIONAL)	
					39								39	630	03100	39	FT	GROUND MOUNTED SUPPORT, NO. 3 POST	
					24.75								24.75	630	80100	24.75	SF	SIGN, FLAT SHEET	
					3								3	630	84900	3	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
					3								3	630	86002	3	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	
				19.48	0.72						10.97	8.51	0.72	644	00104	20.2	MILE	EDGE LINE, 6"	
				10.78	0.65						5.93	4.85	0.65	644	00300	11.43	MILE	CENTER LINE	
				4,130	254						2,264	1,866	254	644	00404	4,384	FT	CHANNELIZING LINE, 12"	
				2,303	280						1,343	960	280	644	00700	2,583	FT	TRANSVERSE/DIAGONAL LINE	
				60	4						36	24	4	644	01300	64	EACH	LANE ARROW	
				300							188	112		644	00500	300	FT	STOP LINE	
				280	70						140	140	70	644	00900	350	SF	ISLAND MARKING	
				9.61							9.61			807	10010	9.61	MILE	WET REFLECTIVE TRAFFIC PAINT, EDGE LINE, 6"	
				4.42							4.42			807	10110	4.42	MILE	WET REFLECTIVE TRAFFIC PAINT, LANE LINE, 6"	
				850							850			807	10310	850	FT	WET REFLECTIVE TRAFFIC PAINT, CHANNELIZING LINE, 12"	
				14.03							14.03			850	10010	14.03	MILE	GROOVING FOR 6" RECESSED PAVEMENT MARKING, (ASPHALT)	
				850							850			850	10130	850	FT	GROOVING FOR 12" RECESSED PAVEMENT MARKING, (ASPHALT)	
																		MISCELLANEOUS STRUCTURE	
								0.03					0.03	202	11300	0.03	CY	PORTIONS OF STRUCTURE REMOVED	
								76					76	509	10000	76	LB	EPOXY COATED STEEL REINFORCEMENT	
								0.41					0.41	511	46610	0.41	CY	CLASS QC1 CONCRETE, HEADWALL	
								1					1	512	10000	1	SY	SEALING OF CONCRETE SURFACES	
													4					MAINTENANCE OF TRAFFIC	
	172												172	614	11630	172	FT	INCREASED BARRIER DELINEATION	
							6						6	614	12384	6	EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL)	
							26						26	614	12800	26	EACH	WORK ZONE RAISED PAVEMENT MARKER	
	41												41	614	13310	41	EACH	BARRIER REFLECTOR, TYPE 1 (BIDIRECTIONAL)	
	41	4									2	2	41	614	13360	45	EACH	OBJECT MARKER, TWO WAY	
	4.42										4.42			614	20560	4.42	MILE	WORK ZONE LANE LINE, CLASS III, 6", 642 PAINT	
	29.81						0.4				20.58	9.23	0.4	614	22360	30.21	MILE	WORK ZONE EDGE LINE, CLASS III, 6", 642 PAINT	
	10.78						0.8				5.93	4.85	0.8	614	21550	11.58	MILE	WORK ZONE CENTER LINE, CLASS III, 642 PAINT	
	4,980										3,114	1,866		614	23690	4,980	FT	WORK ZONE CHANNELIZING LINE, CLASS III, 12", 642 PAINT	
	300		200								188	112		614	26610	300	FT	WORK ZONE STOP LINE, CLASS III, 642 PAINT	
											75	75	50	614	11110	200	HOURL	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
													1,708	615	25000	1,708	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B	
							1,708						LS	615	10000	LS		ROADS FOR MAINTAINING TRAFFIC	
	4												4	616	10000	4	MGAL	WATER	
							1,823						1,823	622	41100	1,823	FT	PORTABLE BARRIER, UNANCHORED	
																		INCIDENTALS	
											LS			614	11000	LS		MAINTAINING TRAFFIC	
											LS			623	10001	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN	5
											LS			624	10000	LS		MOBILIZATION	

GENERAL SUMMARY

DESIGN AGENCY



DESIGNER

NCD

REVIEWER

JDO 08-22-25

PROJECT ID

100650

SHEET

13

TOTAL

46

COUNTY-ROUTE	LOG POINT (MILE)		LENGTH		PAVEMENT AREA (Micro-Station Generated Area)	PAVEMENT AREA	254		NON TRACKING TACK COAT @ 0.09 GAL/SQ YD	442		617			618	618	NOTES	
							PAVEMENT PLANING ASPHALT CONCRETE			PATCHING PLANED SURFACE	ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (448), PG70-22		COMPACTED AGGREGATE, 2" DEPTH, 12" WIDTH	SHOULDER PREPARATION	WATER @ 20 GAL/CU YD	RUMBLE STRIPES, EDGE LINE (ASPHALT CONCRETE)		RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)
	DEPTH						THICK-NESS											
											MILES	FT						
WAR-73	7.20	8.21	1.01	5333	163538	18171	1.25	18170.9	182	1635.4	1.25	630.9	65.8	1185.1	1.3	1.93		
WAR-73	8.21	9.21	1.00	5280	134640	14960	1.25	14960.0	150	1346.4	1.25	519.4	65.2	1173.3	1.3	1.96		
WAR-73	9.21	9.61	0.40	2112	57732	6415	1.25	6414.7	65	577.3	1.25	222.7	26.1	469.3	0.5	0.82		
WAR-73	9.61	10.61	1.00	5280	148830	16537	1.25	16536.7	166	1488.3	1.25	574.2	65.2	1173.3	1.3	1.97		
WAR-73	10.61	11.61	1.00	5280	151123	16791	1.25	16791.4	168	1511.2	1.25	583.0	65.2	1173.3	1.3	1.98		
WAR-73	11.61	12.61	1.00	5280	126572	14064	1.25	14063.6	141	1265.7	1.25	488.3	65.2	1173.3	1.3	1.97		
WAR-73	12.61	13.61	1.00	5280	128250	14250	1.25	14250.0	143	1282.5	1.25	494.8	32.6	1173.3	0.7	1.3	SEE SHEET 16 FOR WIDENING PAVEMENT QUANTITIES	
WAR-73	13.61	14.28	0.67	3538	93395	10377	1.25	10377.2	104	934.0	1.25	360.3	43.7	786.1	0.9	1.29		
WAR-73	14.28	15.28	1.00	5280	128794	14310	1.25	14310.4	144	1287.9	1.25	496.9	65.2	1173.3	1.3	2.05	SFNS 8302855 & 8302945 ARE NOT INCLUDED FOR PAVEMENT QUANTITIES	
WAR-73	15.28	16.28	1.00	5280	136685	15187	1.25	15187.2	152	1366.9	1.25	527.3	65.2	1173.3	1.3	1.98		
WAR-73	16.28	17.40	1.12	5914	143850	15983	1.25	15983.3	160	1438.5	1.25	555.0	73.0	1314.1	1.5	2.23		
WAR-73 EB	17.40	18.16	0.76	4013	101523	11280	1.25	11280.3	113	1015.2	1.25	391.7	49.5	891.7	1.0		1.54	
WAR-73 WB	17.40	18.16	0.76	4013	95150	10572	1.25	10572.2	106	951.5	1.25	367.1	49.5	891.7	1.0		1.51	
WAR-73 EB	18.34	19.34	1.00	5280	134509	14945	1.25	14945.4	150	1345.1	1.25	518.9	65.2	1173.3	1.3		1.94	
WAR-73 WB	18.34	19.34	1.00	5280	135352	15039	1.25	15039.1	151	1353.5	1.25	522.2	65.2	1173.3	1.3		1.94	
WAR-73 EB	19.34	20.03	0.69	3643	89418	9935	1.25	9935.3	100	894.2	1.25	345.0	45.0	809.6	0.9		1.23	
WAR-73 WB	19.34	20.03	0.69	3643	92571	10286	1.25	10285.7	103	925.7	1.25	357.1	45.0	809.6	0.9		1.45	
TOTALS CARRIED TO GENERAL SUMMARY								229104	2298	20619		7955	952	17717	19	19.48	9.61	

NOTE: SUBSUMMARY INCLUDES ALL OF MAINLINE SR 73 RESURFACING INCLUDING THE ROADWAY THAT ALIGNS WITH THE WIDENING PORTION OF THIS PROJECT. THE LEFT TURN LANE PAVEMENT SUBSUMMARY DOES NOT INCLUDE ANY RESURFACING QUANTITIES

PAVEMENT SUBSUMMARY (RESURFACING)

DESIGN AGENCY



DESIGNER

NCD

REVIEWER

JDO 08-22-25

PROJECT ID

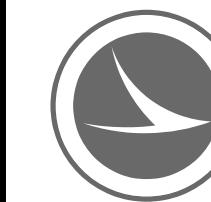
100650

SHEET

14

TOTAL

46

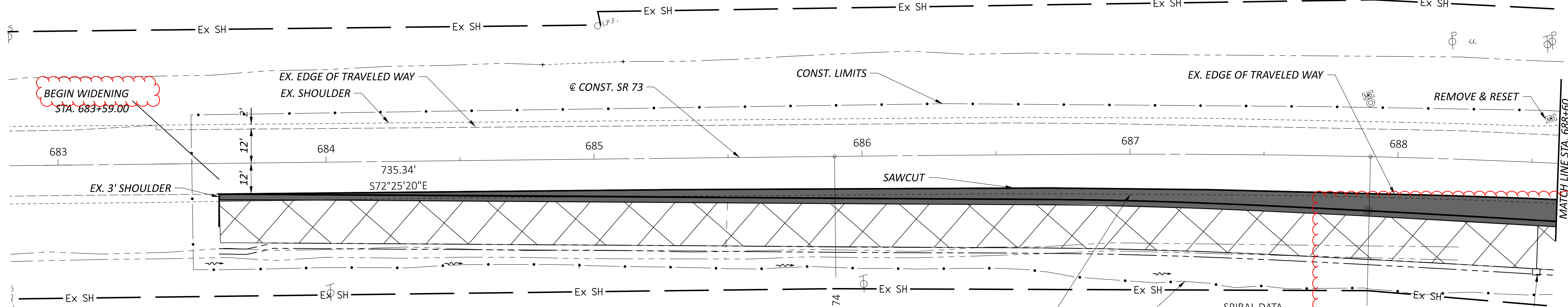
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PART	COUNTY-ROUTE	LOG POINT (MILE)					644	644	644	644	644	644		807	807	807		850	850									
							EDGE LINE, WHITE, 6"	CENTER LINE	CHANNELIZING LINE, 12"	STOP LINE	TRANSVERSE/DIAGONAL LINE	LANE ARROW	ISLAND MARKING		WET REFLECTIVE EPOXY PAVEMENT MARKING, EDGE LINE, 6"	WET REFLECTIVE TRAFFIC PAINT, LANE LINE, 6"	WET REFLECTIVE TRAFFIC PAINT, CHANNELIZING LINE, 12"		GROOVING FOR 6" RECESSED PAVEMENT MARKING, (ASPHALT)	GROOVING FOR 12" RECESSED PAVEMENT MARKING, (ASPHALT)								
							MILE	MILE	FT	FT	FT	EACH	SF		MILE	MILE	FT		MILE	FT								
01/NHS	WAR-73	7.21		TO	8.21		1.93	1.36	959	75	474	11																
01/NHS	WAR-73	8.21		TO	9.21		1.96	1.07	428		216	6	70															
01/NHS	WAR-73	9.21		TO	9.61		0.82	0.4	243	52	109	2																
02/S>2	WAR-73	9.61		TO	10.61		1.97	1.23	646	55	392	8	70															
02/S>2	WAR-73	10.61		TO	11.61		1.98	1.27	860		439	10	70															
02/S>2	WAR-73	11.61		TO	12.61		1.97	0.98																				
02/S>2	WAR-73	12.61		TO	13.61		1.3	0.65																				
02/S>2	WAR-73	13.61		TO	14.28		1.29	0.72	360	57	129	6																
01/NHS	WAR-73	14.28		TO	15.28		2.05	1	286	61	94	4	70															
01/NHS	WAR-73	15.28		TO	16.28		1.98	0.99	348			2																
01/NHS	WAR-73	16.28		TO	17.40		2.23	1.11																				
01/NHS	WAR-73	17.40	EB	TO	18.16	EB						2		1.54	0.53	218		2.07	218									
01/NHS	WAR-73	17.40	WB	TO	18.16	WB					320	1		1.51	0.73	65		2.24	65									
01/NHS	WAR-73	18.34	EB	TO	19.34	EB						3		1.94	0.97	254		2.91	254									
01/NHS	WAR-73	18.34	WB	TO	19.34	WB						3		1.94	0.96	209		2.9	209									
01/NHS	WAR-73	19.34	EB	TO	20.03	EB					130	1		1.23	0.56	40		1.79	40									
01/NHS	WAR-73	19.34	WB	TO	20.03	WB						1		1.45	0.67	64		2.12	64									
TOTALS CARRIED TO GENERAL SUMMARY							19.48	10.78	4130	300	2303	60	280		9.61	4.42	850		14.03	850								

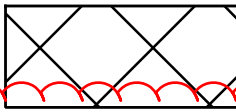
NOTE: ALL PAVEMENT MARKINGS ASSOCIATED WITH THE CONST. OF THE LEFT TURN LANE ARE ACCOUNTED FOR IN THE LEFT TURN LANE PAVEMENT MARKING SUBSUMMARY

DESIGN AGENCY	
	
DESIGNER	
NCD	
REVIEWER	
JDO	08-22-25
PROJECT ID	
100650	
SHEET	TOTAL
17	46

[illegible]



LEGEND



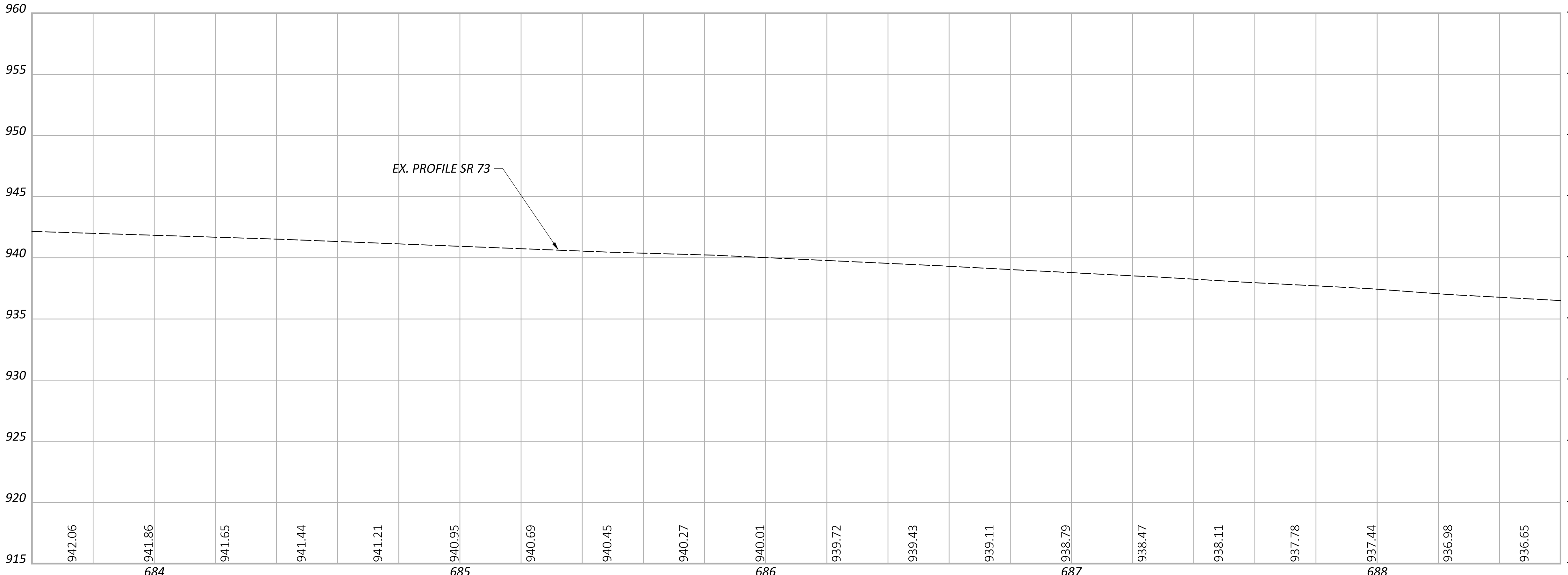
SLOPE EROSION PROTECTION



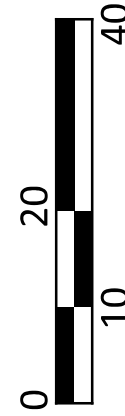
FULL DEPTH PAVEMENT

SPIRAL DATA
P.I. = STA. 687+23.08
Ls = 200.00'
Os = 02°00'00"
LT = 133.34'
ST = 66.67'
x = 199.98'
y = 2.33'
k = 100.00'
p = 0.58'
C = 199.99'

6" TYPE F UNDERDRAIN OUTLET &
TIED CONCRETE BLOCK MAT, TYPE 1



HORIZONTAL
SCALE IN FEET



PLAN & PROFILE

STA. 682+82.00 TO STA. 688+60.00

DESIGN AGENCY



DESIGNER

NCD

REVIEWER

JDO 08-22-25

PROJECT ID

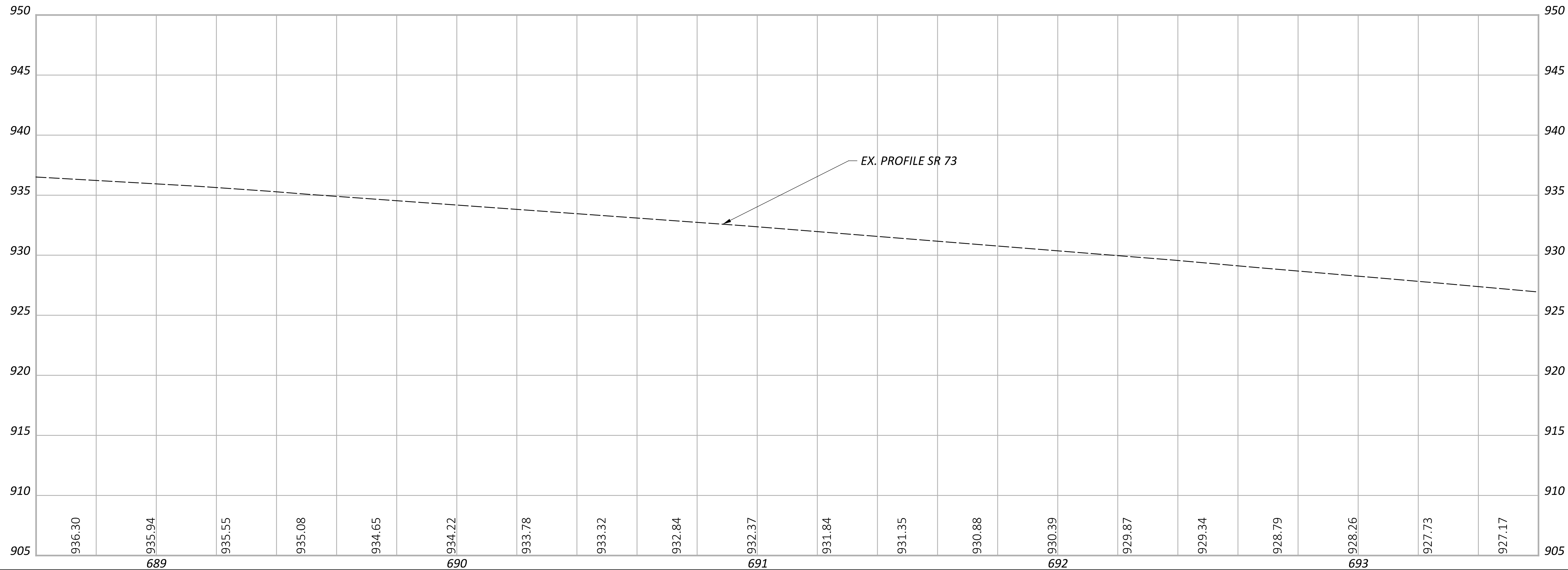
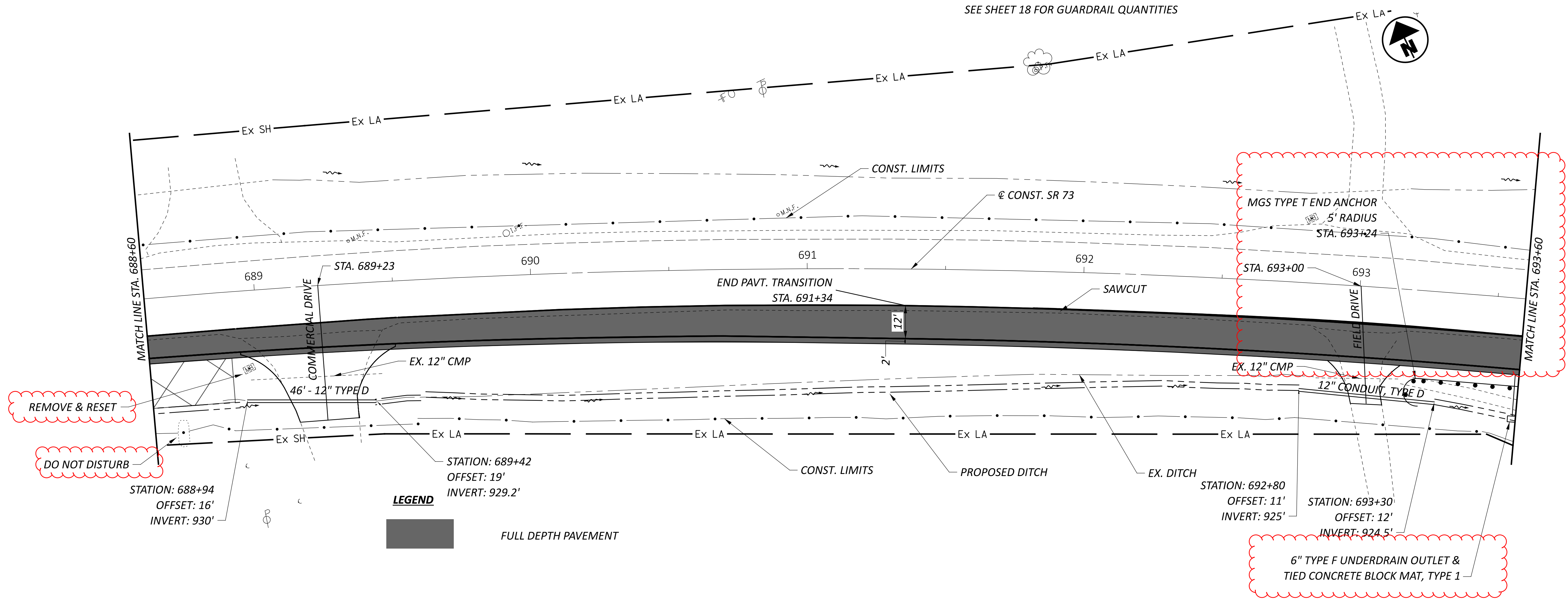
100650

SHEET

21

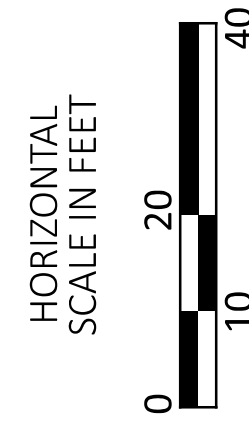
TOTAL

46



PLAN & PROFILE

STA. 688+60 TO STA. 693+60.00



DESIGN AGENCY



DESIGNER

NCD

REVIEWER

JDO 08-22-25

PROJECT ID

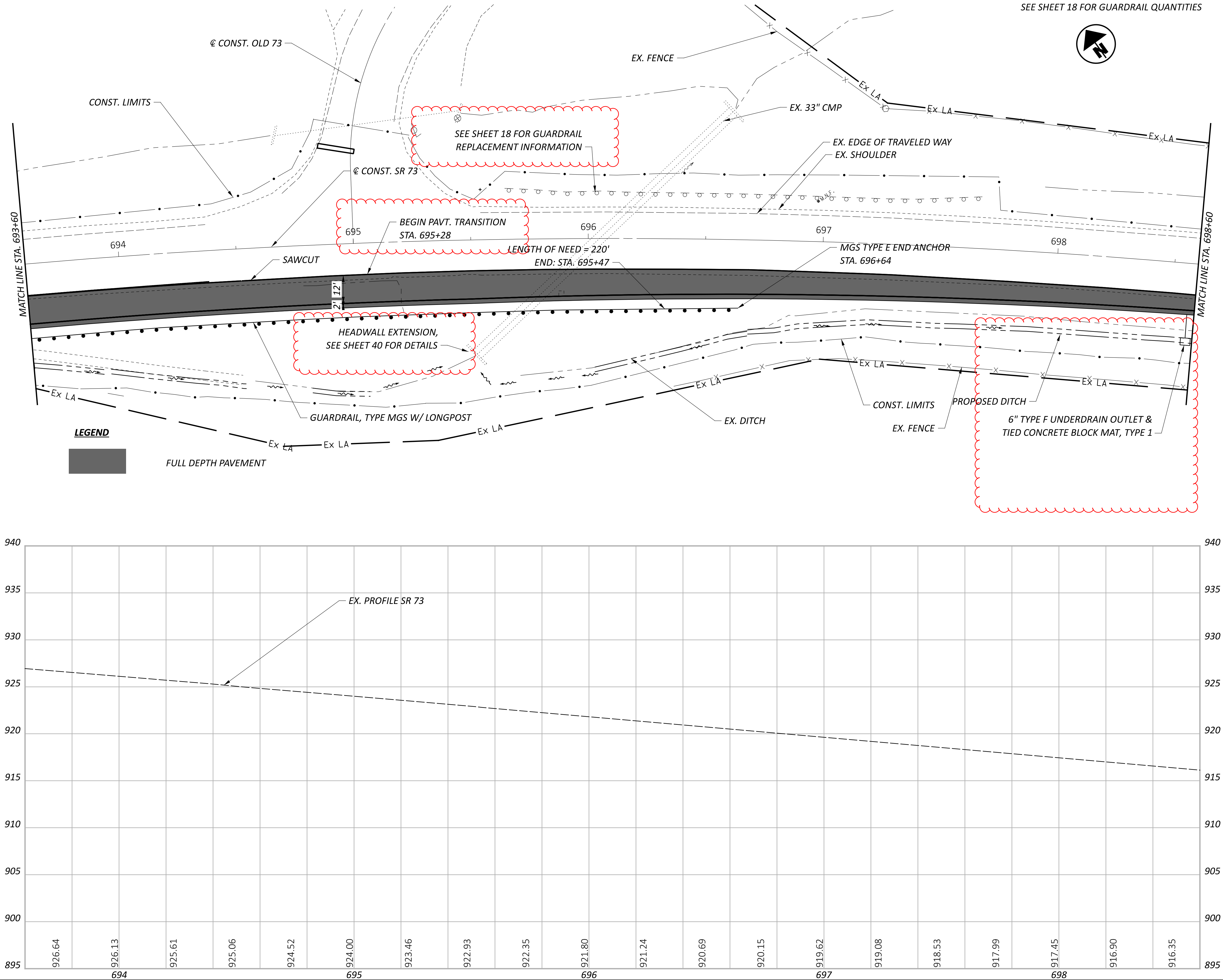
100650

SHEET

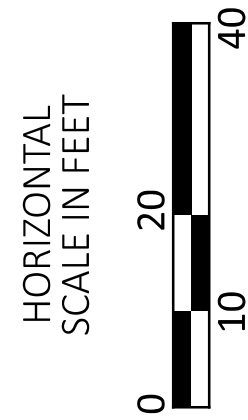
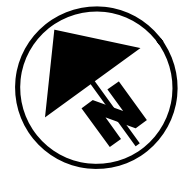
22

TOTAL

46



SEE SHEET 18 FOR GUARDRAIL QUANTITIES



PLAN & PROFILE
STA. 693+60 TO STA. 698+60.00

DESIGN AGENCY



DESIGNER

NCD

REVIEWER

JDO 08-22-25

PROJECT ID

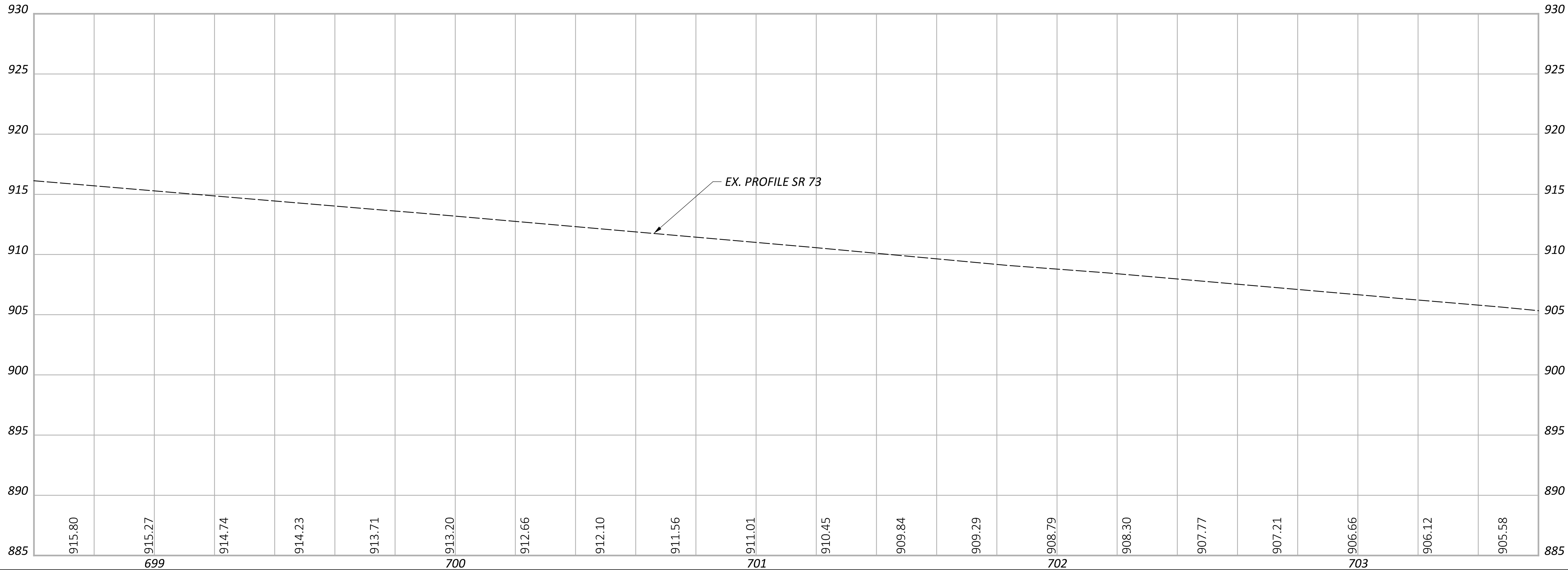
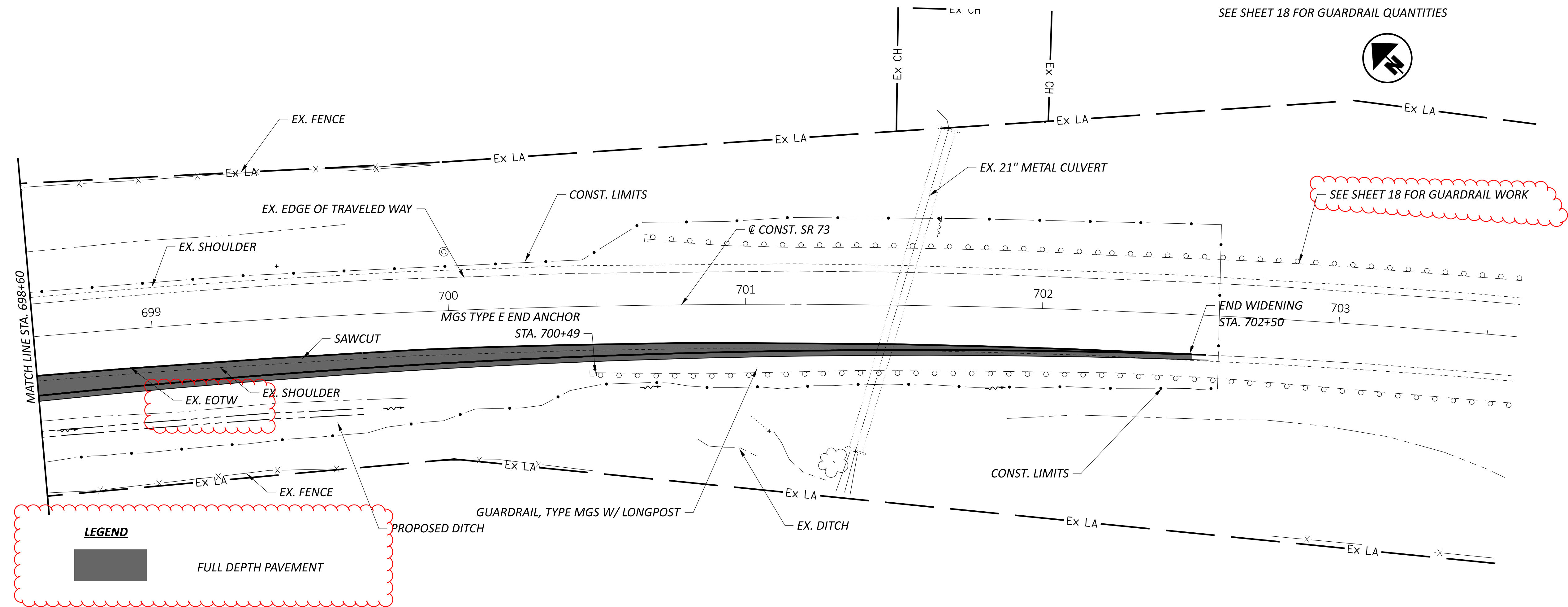
100650

SHEET

23

TOTAL

46



HORIZONTAL
SCALE IN FEET

0

10

20

40

PLAN & PROFILE

STA. 698+60.00 TO STA. 703+60.00

DESIGN AGENCY

DESIGNER

NCD

REVIEWER

JDO 08-22-25

PROJECT ID

100650

SHEET

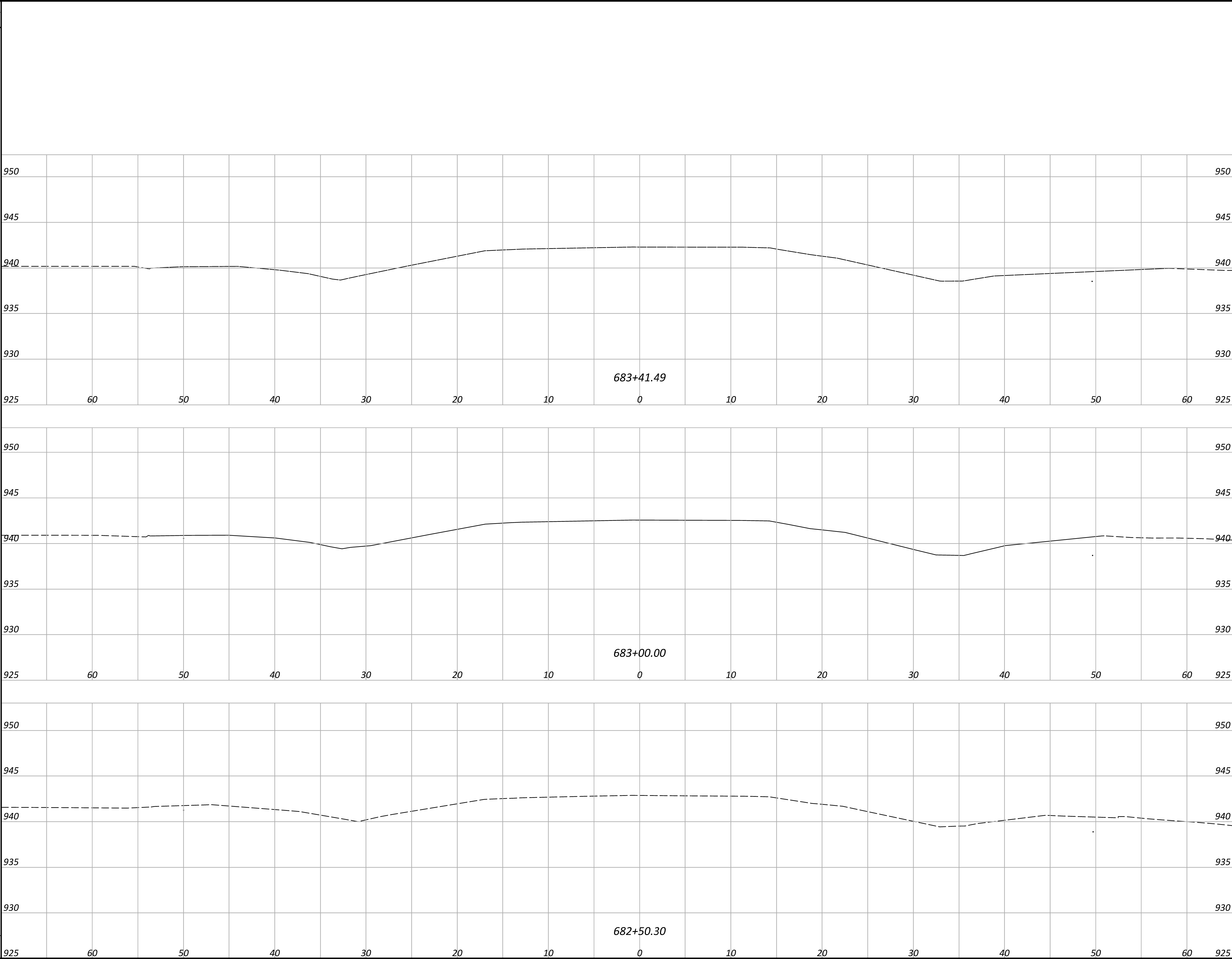
24

TOTAL

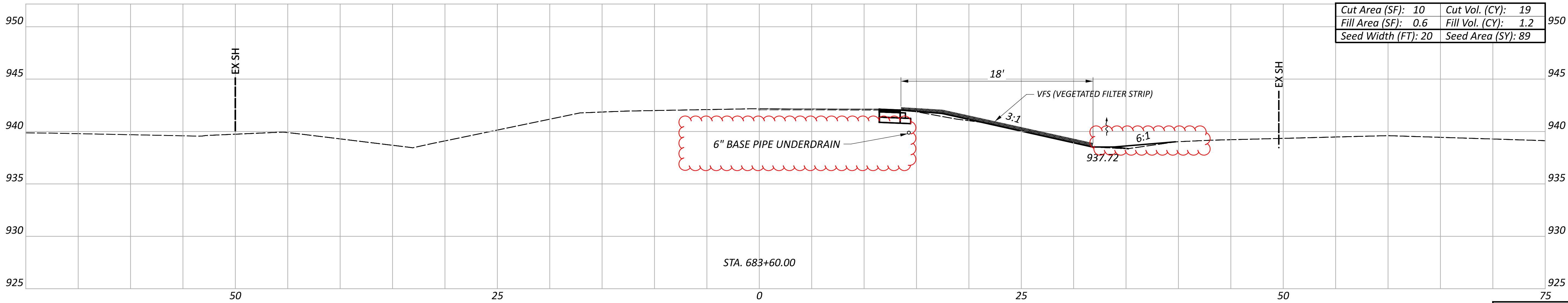
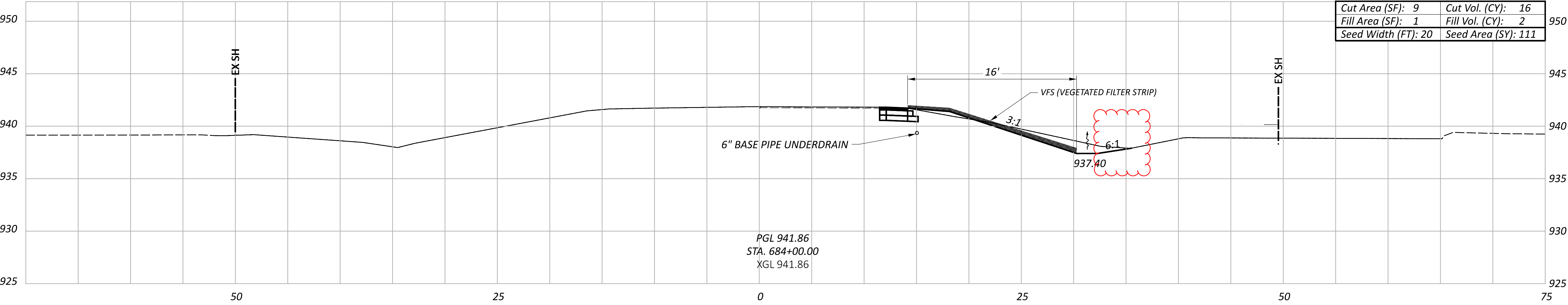
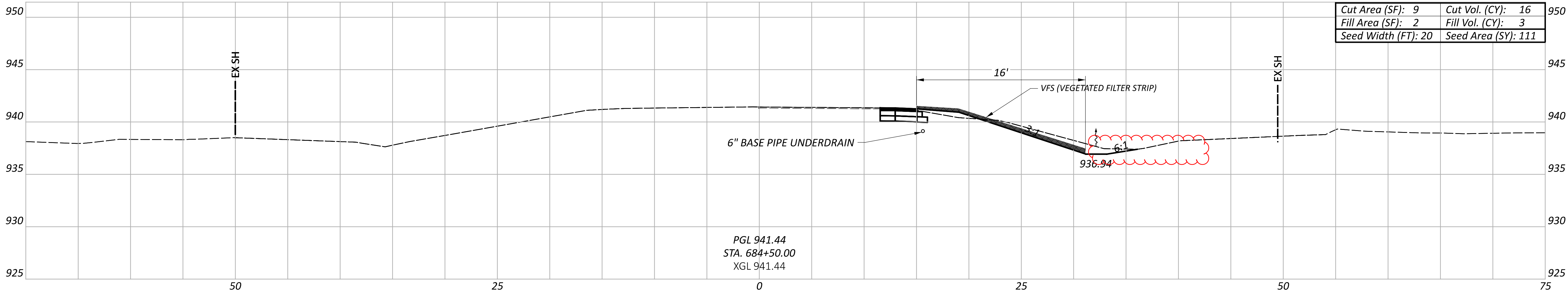
46

WAR-SR 73-7.20

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DATE: 11/25/2025 TIME: 1:21:26 PM PLTDRW: OHDOT_PDF.plt USER: Nathan.Davis@dot.ohio.gov WORKSPACE: OHDOTCev02
PEN.tbl PLOTORV: OHDOT_PDF.pltcfg PENTBL: OHDOT_PDF.plt User: Nathan.Davis@dot.ohio.gov
PAPERSET: 100650 PRODUCT: OpenRoadsDesigner 24.00.00.2025

[illegible][illegible]

CROSS SECTIONS STA. 682+50. TO STA. 683+41	
DESIGN AGENCY 	
DESIGNER NCD	
REVIEWER JDO 11-25-25	
PROJECT ID 100650	
SHEET 24a	TOTAL 46



Sheet Totals				PROJECT ID	
Seeding	Cut	Fill	SHEET	TOTAL	
311	51	4	25	46	

CROSS SECTIONS
STA. 683+60.00 TO STA. 684+50.00

DESIGN AGENCY

DESIGNER

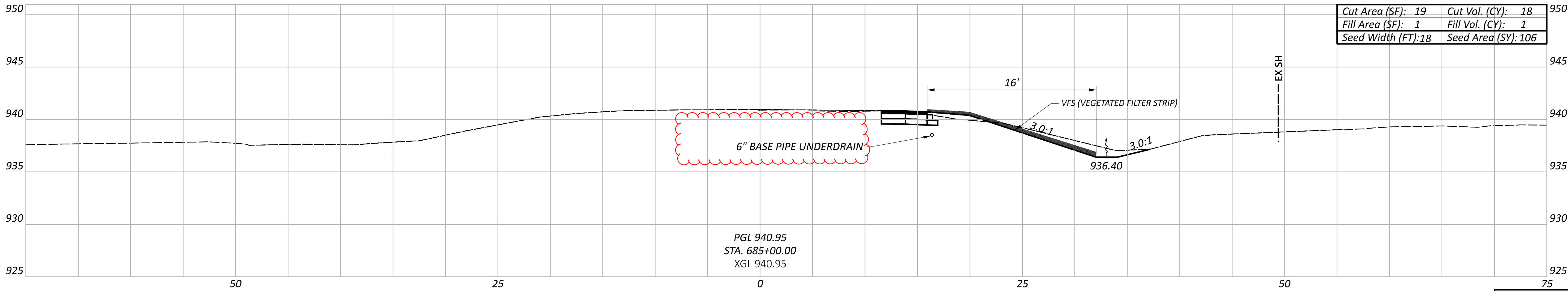
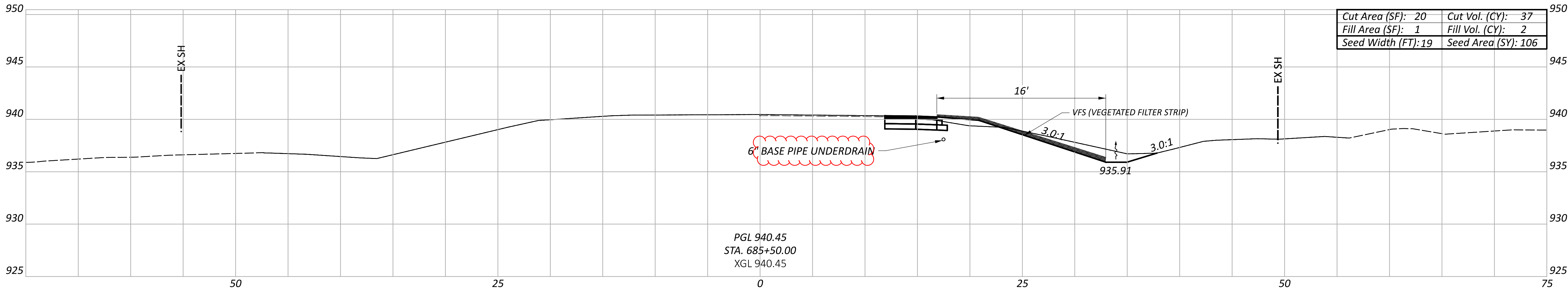
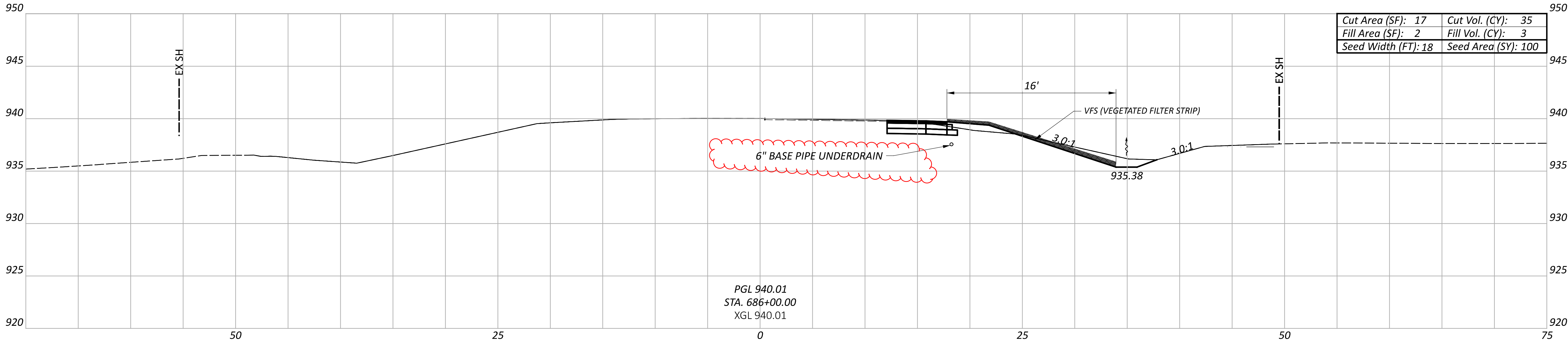
NCD

REVIEWER

JDO 08-22-25

PROJECT ID

100650



Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill		
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CROSS SECTIONS
STA. 685+0.00 TO STA. 686+0.00

DESIGN AGENCY



DESIGNER

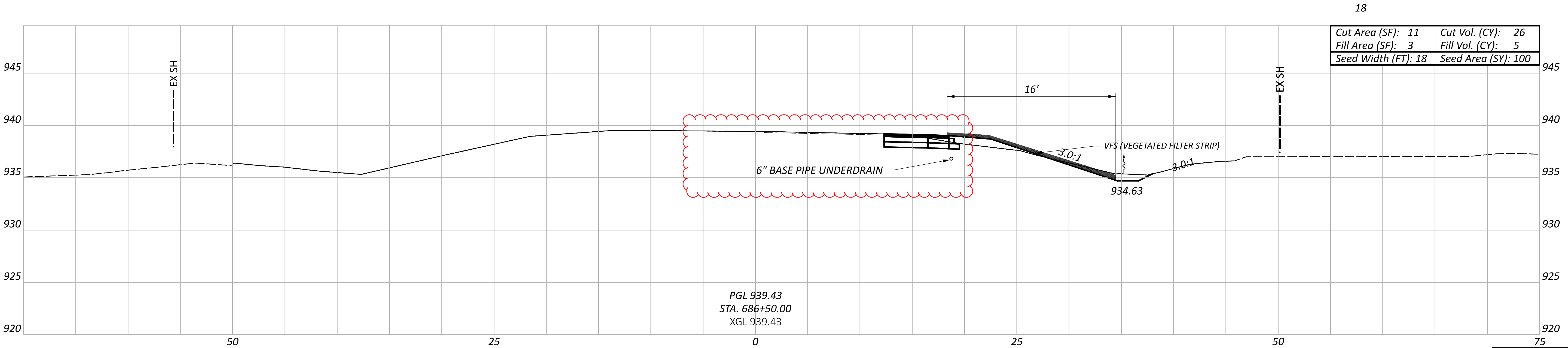
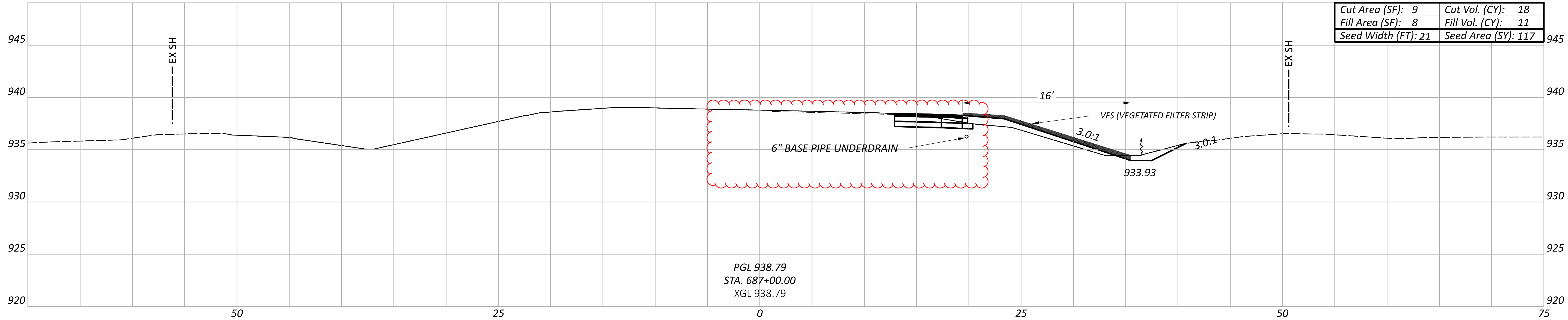
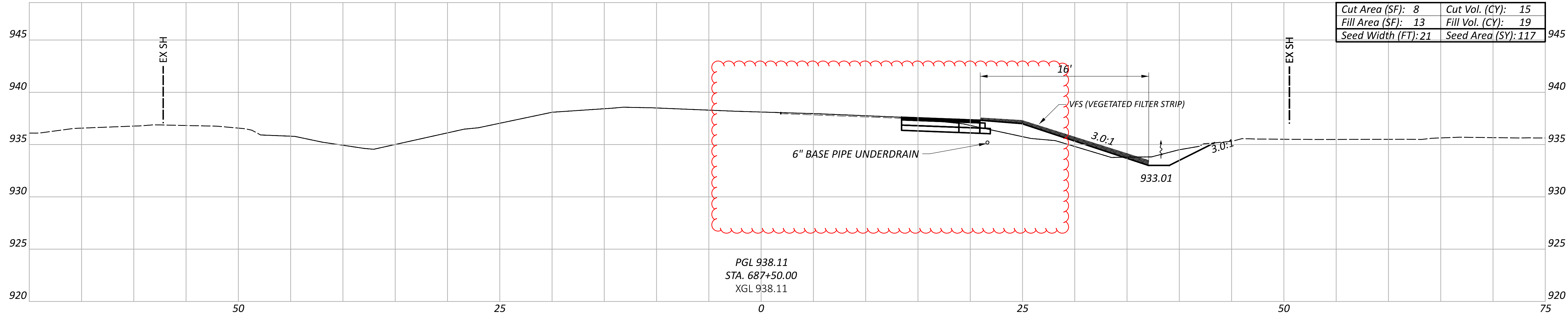
NCD

REVIEWER

JDO 08-22-25

PROJECT ID

100650



Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill		
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DESIGN AGENCY

DESIGNER

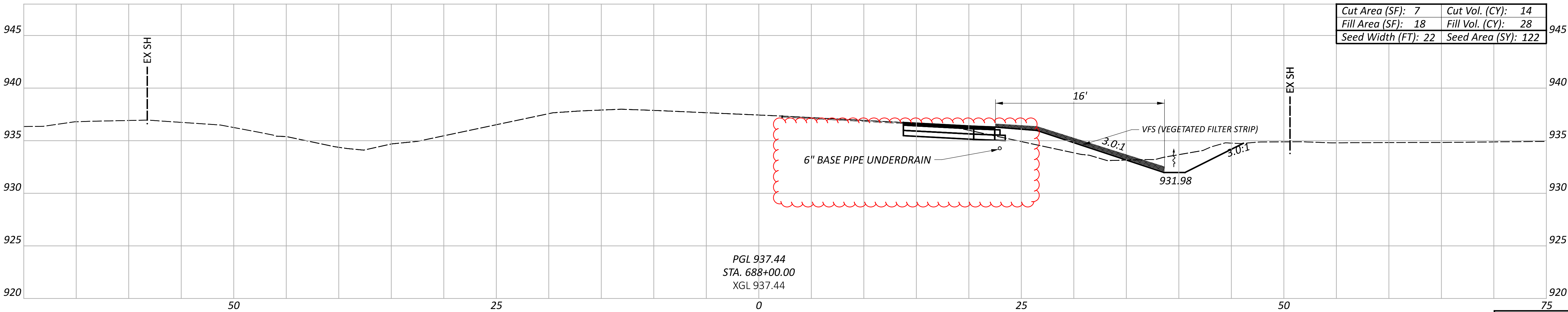
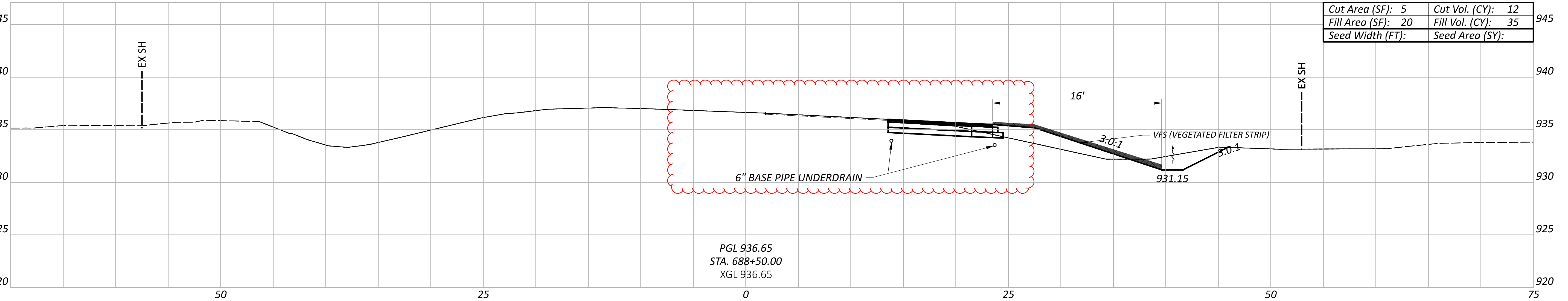
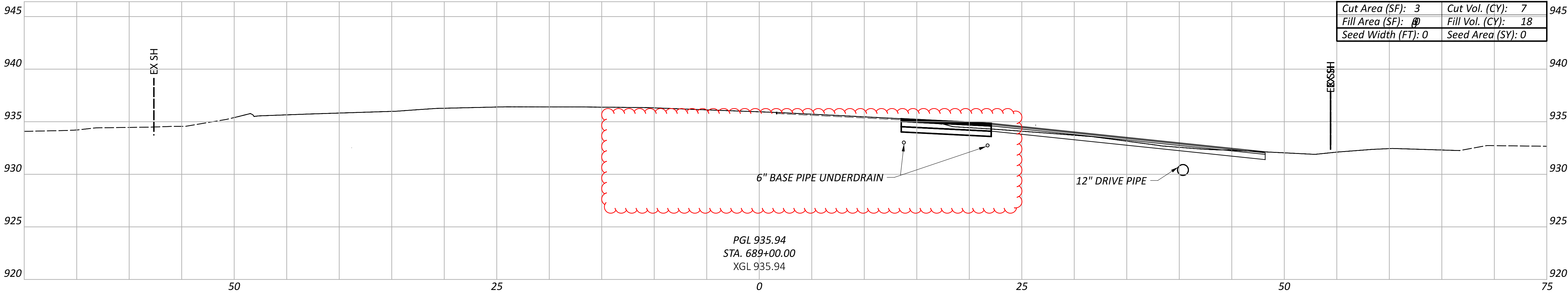
NCD

REVIEWER

JDO 08-22-25

PROJECT ID

100650



Sheet Totals		
Seeding	Cut	Fill
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SHEET	TOTAL
28	46

CROSS SECTIONS
STA. 688+0.00 TO STA. 689+0.00

DESIGN AGENCY



DESIGNER

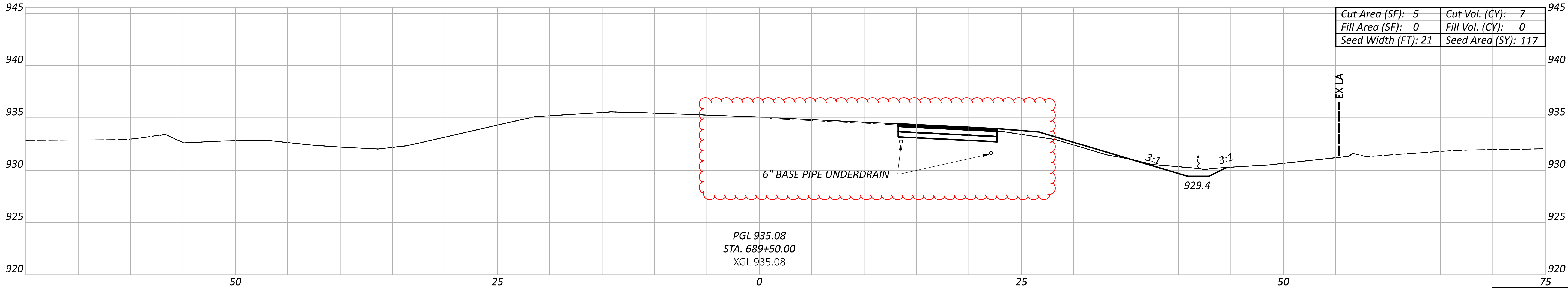
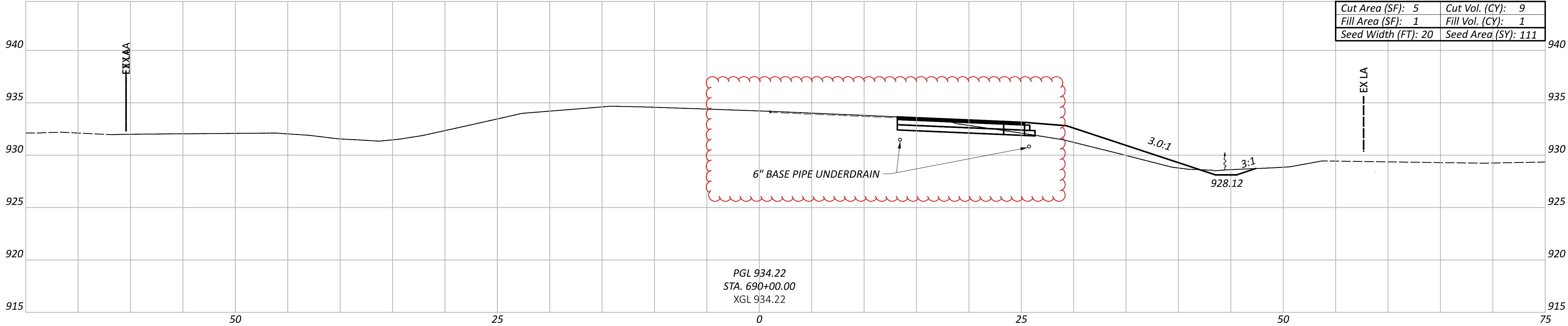
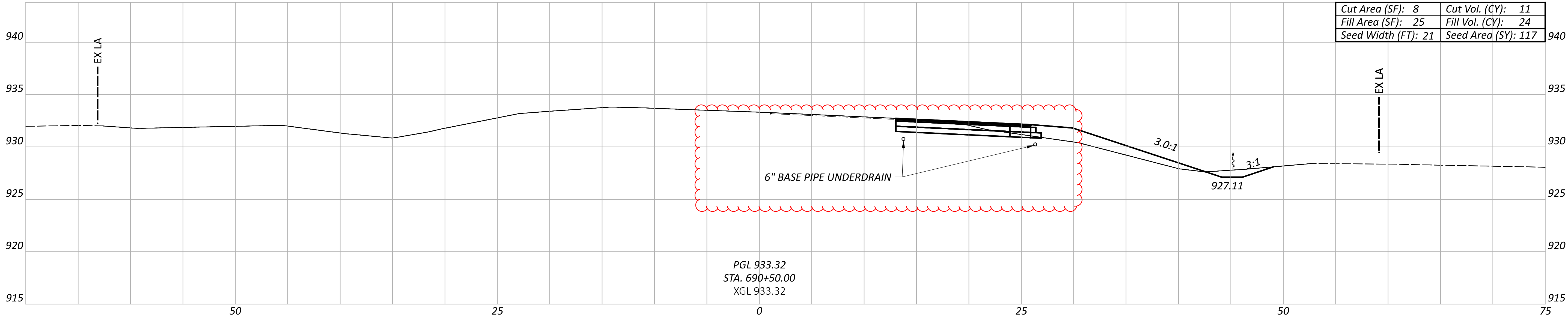
NCD

REVIEWER

JDO 08-22-25

PROJECT ID

100650



Sheet Totals		
Seeding	Cut	Fill
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SHEET	TOTAL
29	46

DESIGN AGENCY

DESIGNER

NCD

REVIEWER

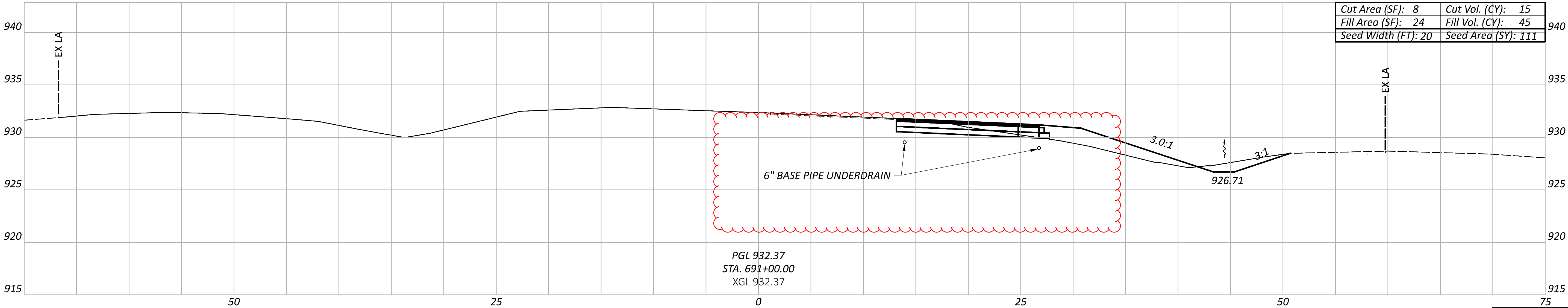
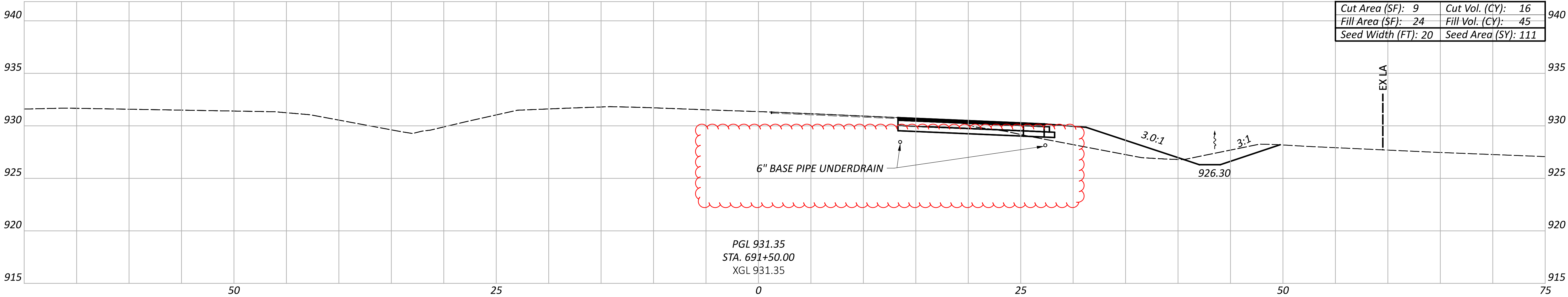
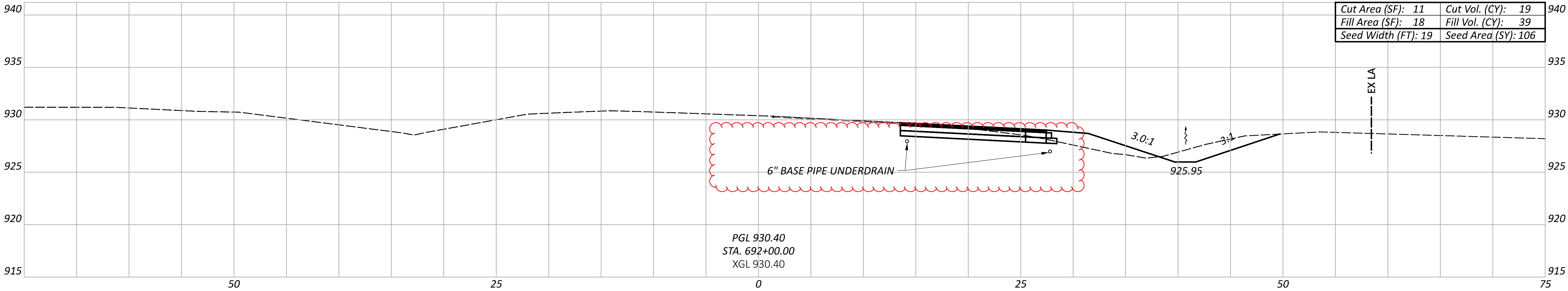
JDO 08-22-25

PROJECT ID

100650

CROSS SECTIONS

STA. 689+50.00 TO STA. 690+50.00



Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill		
328	50	129	30	46

CROSS SECTIONS
STA. 691+0.00 TO STA. 692+0.00

DESIGN AGENCY



DESIGNER

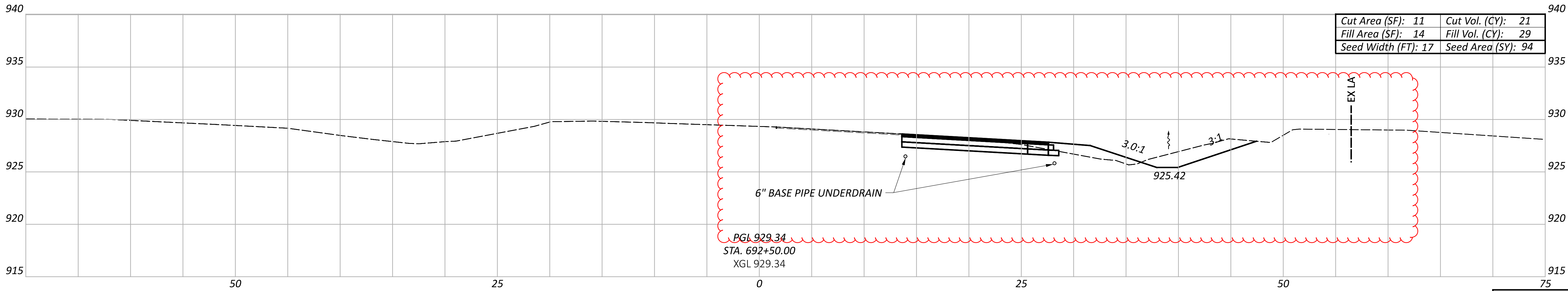
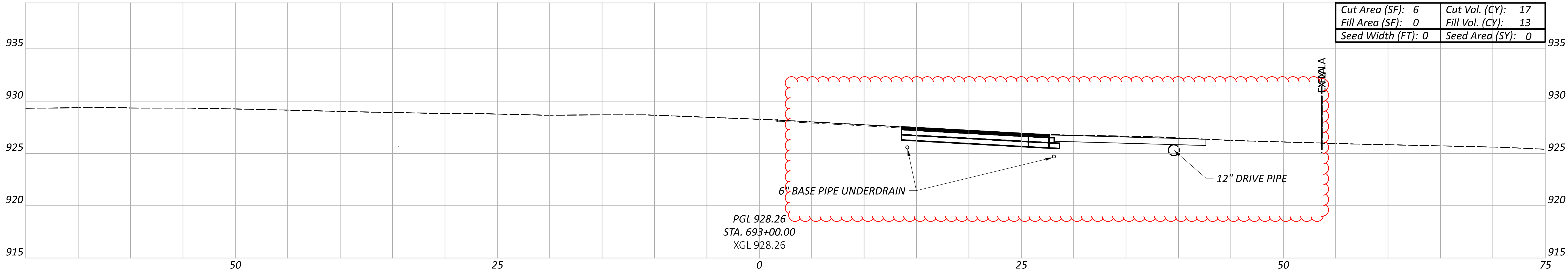
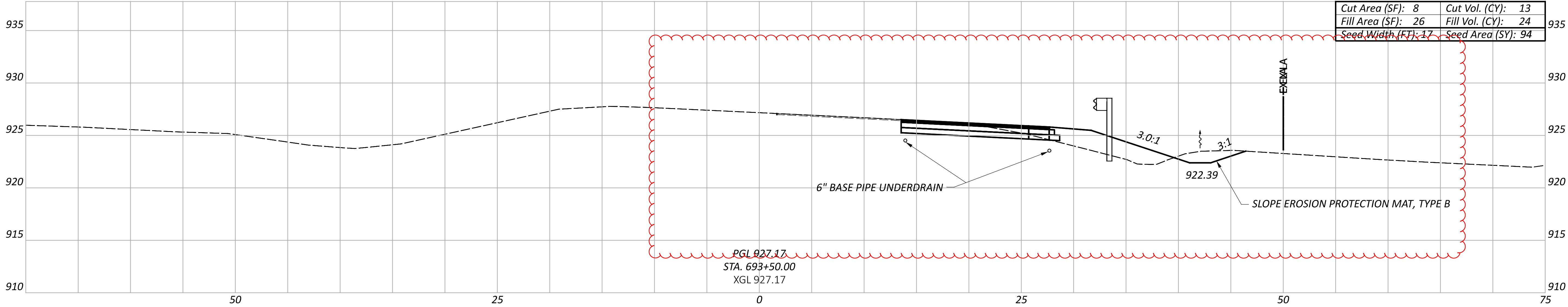
NCD

REVIEWER

JDO 08-22-25

PROJECT ID

100650



Sheet Totals			SHEET TOTAL	
Seeding	Cut	Fill	31	46
188	51	66		

CROSS SECTIONS
STA. 692+50.00 TO STA. 693+50.00

DESIGN AGENCY

DESIGNER

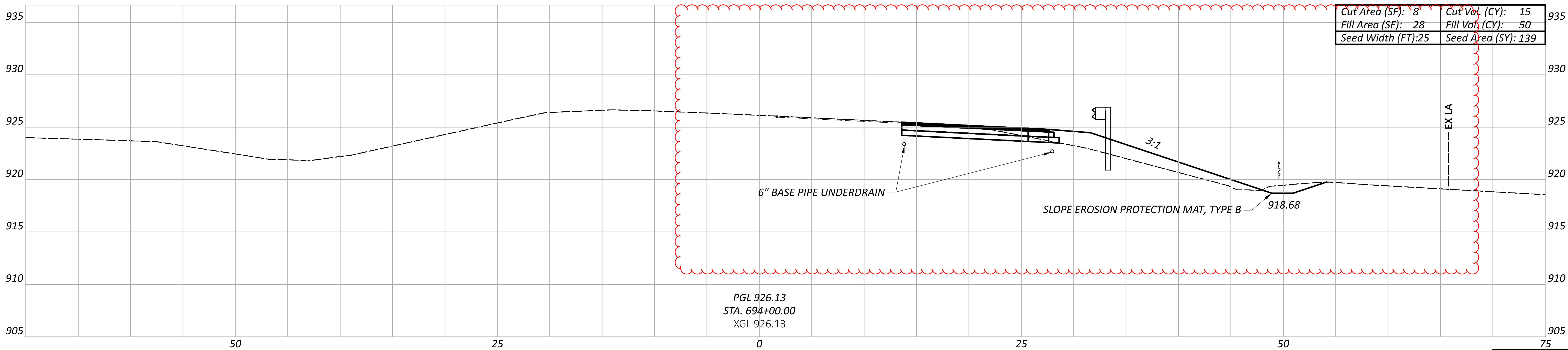
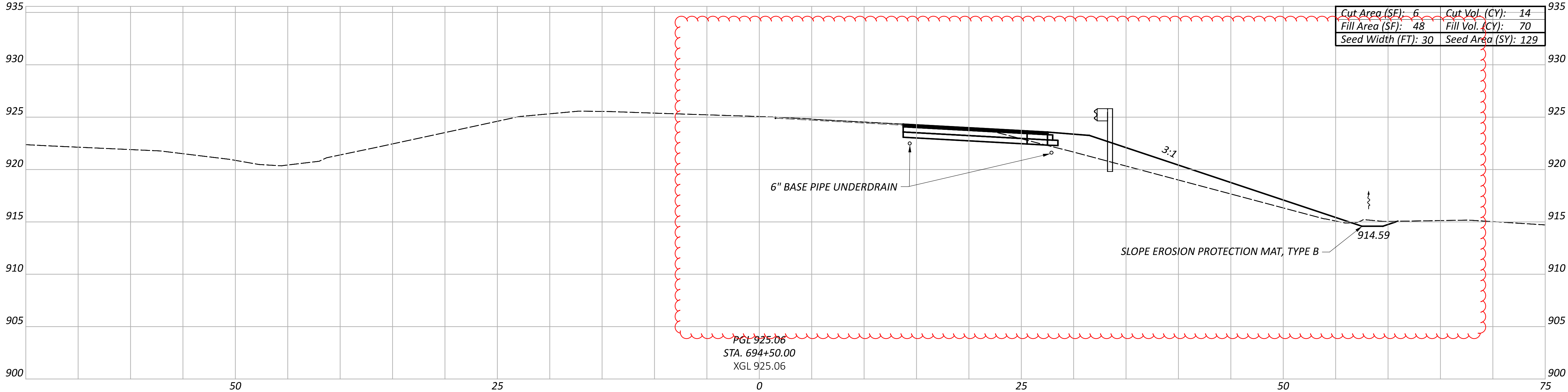
NCD

REVIEWER

JDO 08-22-25

PROJECT ID

100650



Sheet Totals			SHEET TOTAL	
Seeding	Cut	Fill	32	46
268	29	120		

DESIGN AGENCY

DESIGNER

NCD

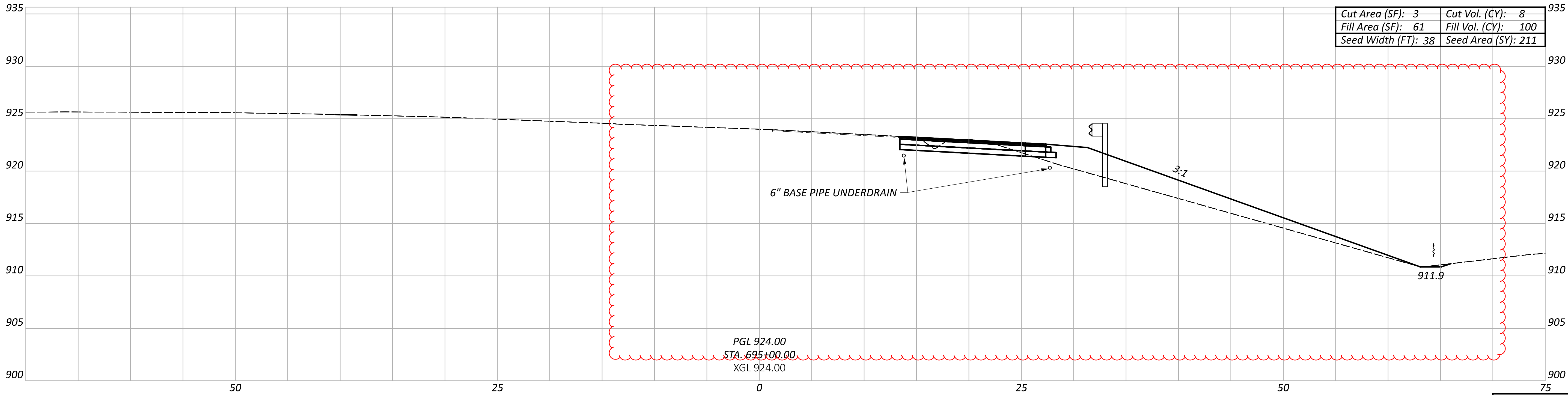
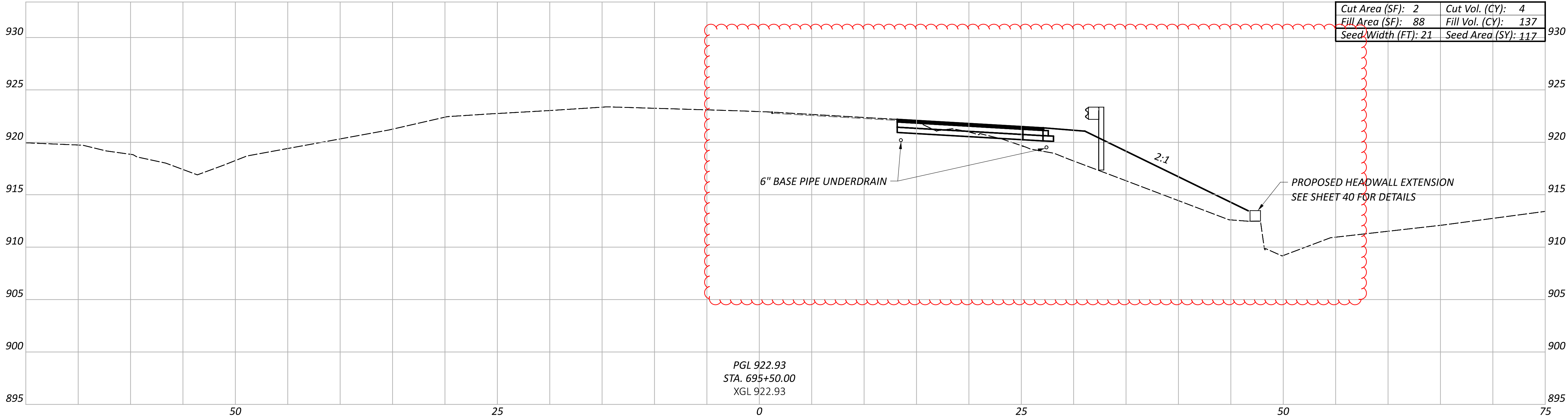
REVIEWER

JDO 08-22-25

PROJECT ID

100650

CROSS SECTIONS
STA. 694+00.00 TO STA. 694+50.00



Sheet Totals			SHEET TOTAL	
Seeding	Cut	Fill	33	46
328	12	237		

CROSS SECTIONS
STA. 695+0.00 TO STA. 695+50.00

DESIGN AGENCY

DESIGNER

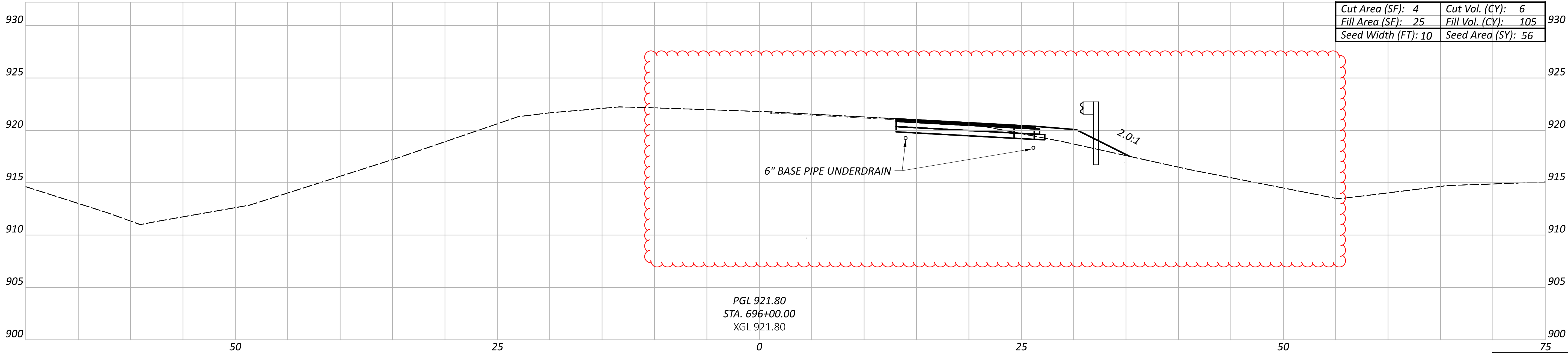
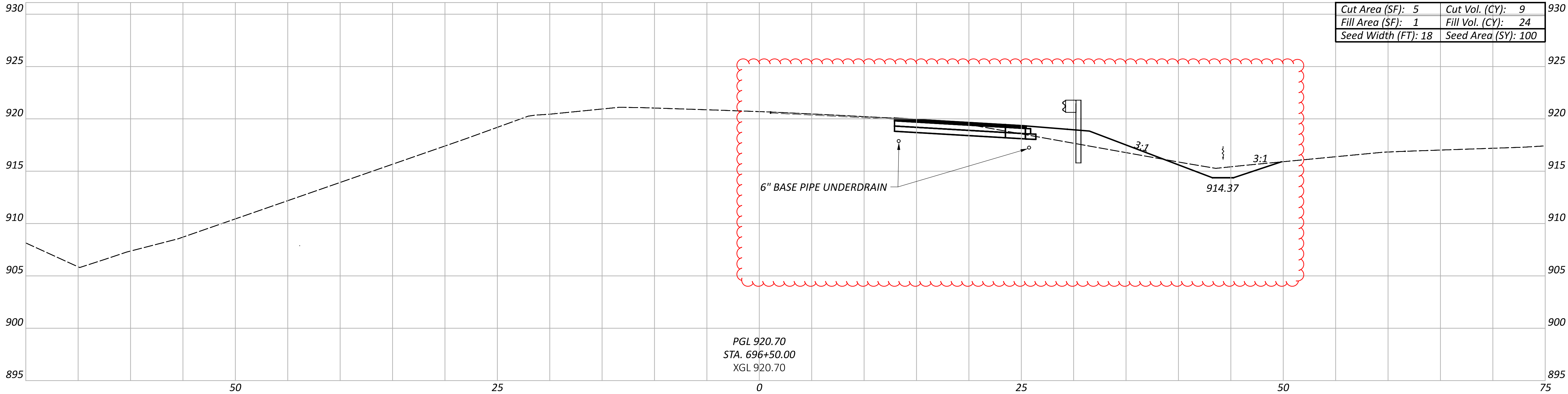
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REVIEWER

JDO 08-22-25

PROJECT ID

100650



Sheet Totals		
Seeding	Cut	Fill
156	23	128

DESIGN AGENCY

DESIGNER

NCD

REVIEWER

JDO 08-22-25

PROJECT ID

100650

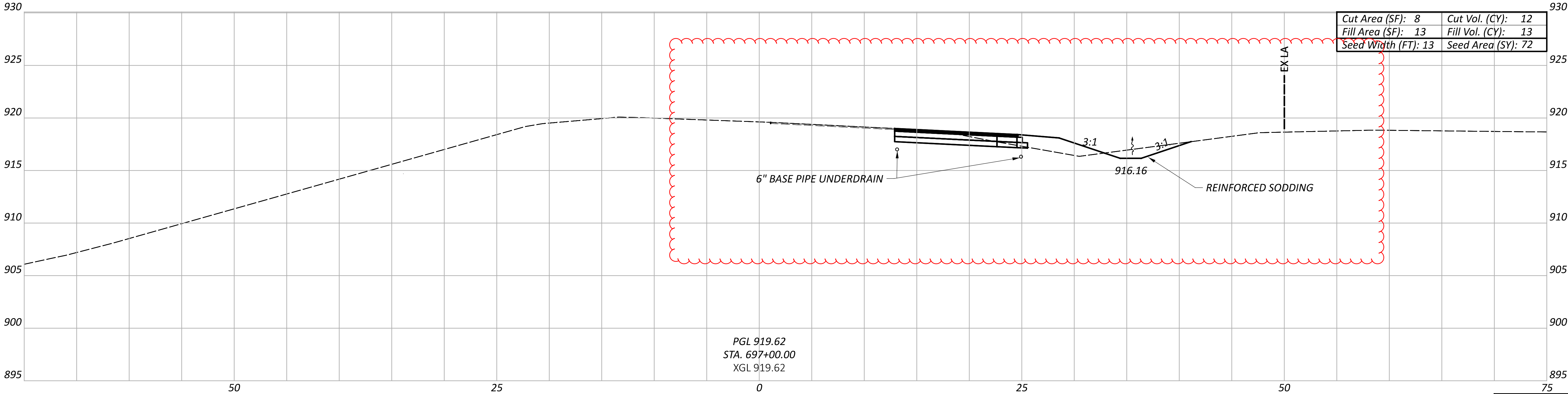
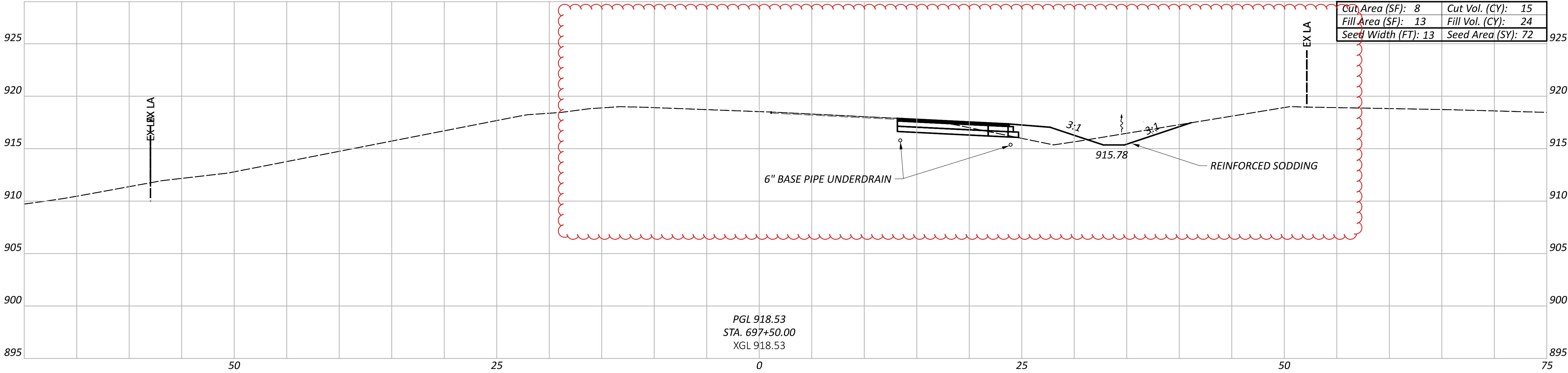
SHEET

34

TOTAL

46

CROSS SECTIONS
STA. 696+0.00 TO STA. 696+50.00



Sheet Totals		
Seeding	Cut	Fill
144	27	37.00

SHEET	TOTAL
35	46

DESIGN AGENCY

DESIGNER

NCD

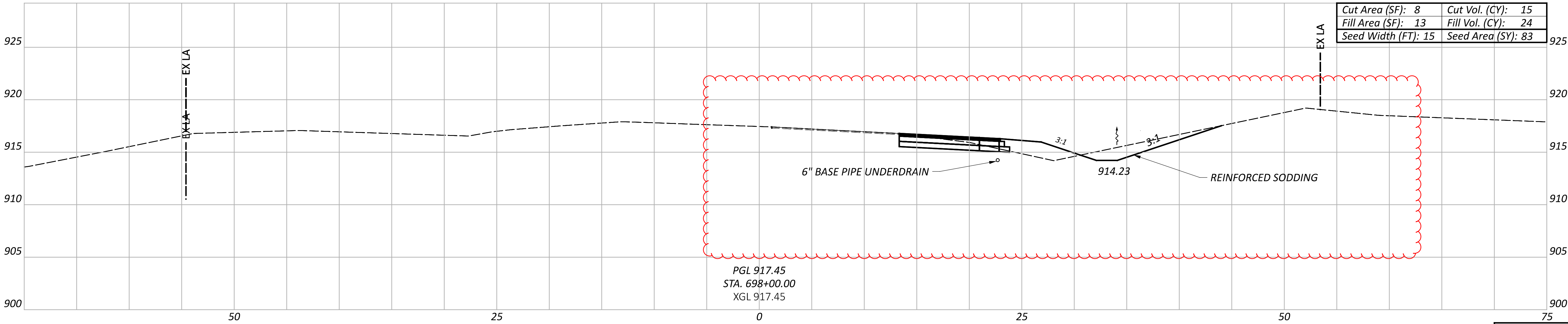
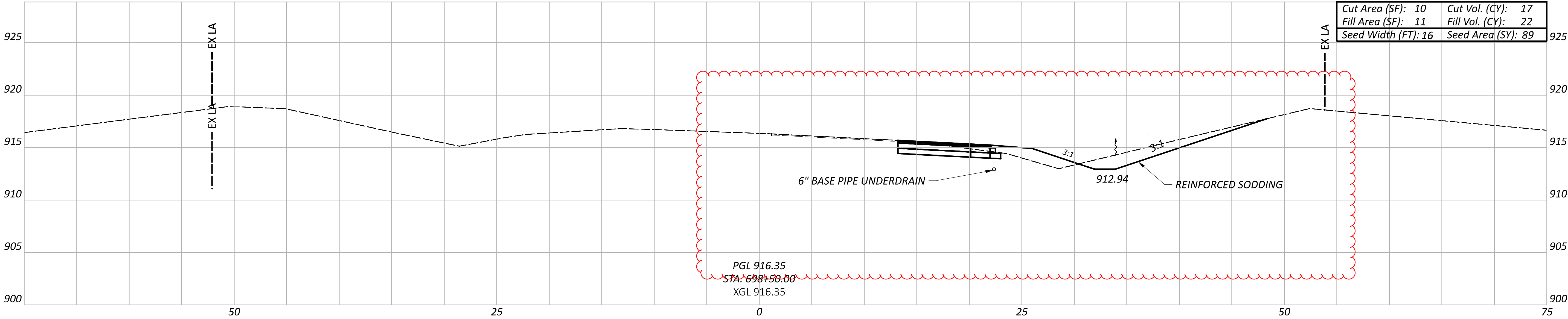
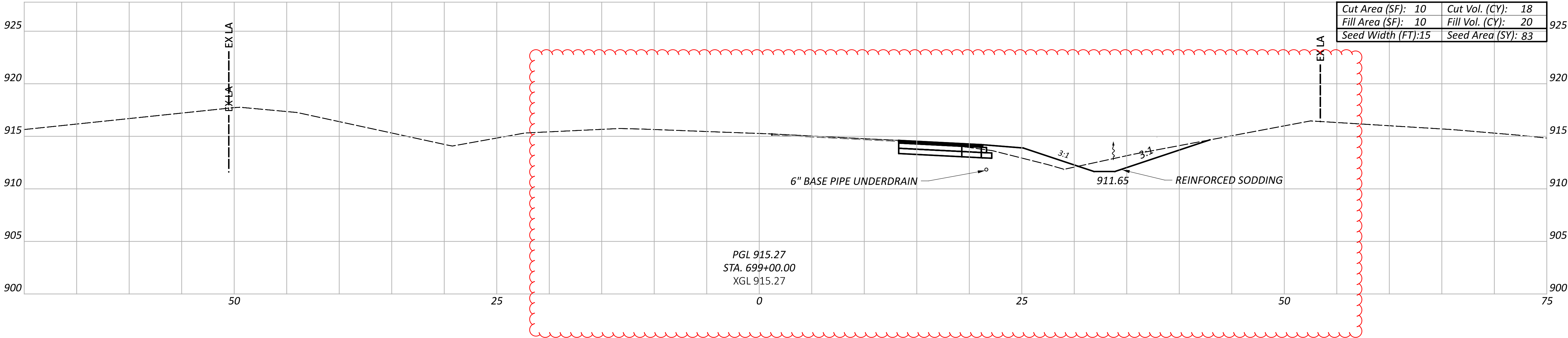
REVIEWER

JDO 08-22-25

PROJECT ID

100650

CROSS SECTIONS
STA. 697+0.00 TO STA. 697+50.00



Sheet Totals			SHEET TOTAL	
Seeding	Cut	Fill	36	46
255	60	66		

CROSS SECTIONS
STA. 698+0.00 TO STA. 699+0.00

DESIGN AGENCY



DESIGNER

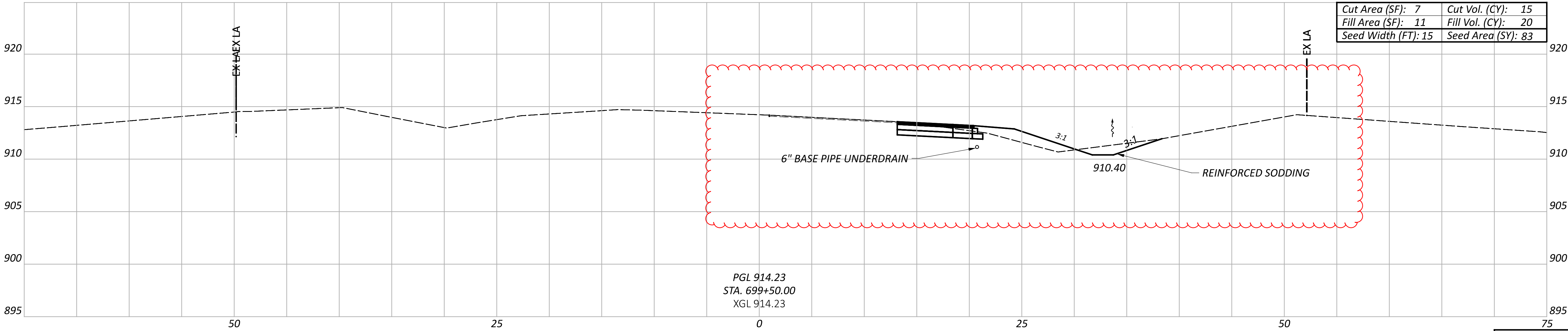
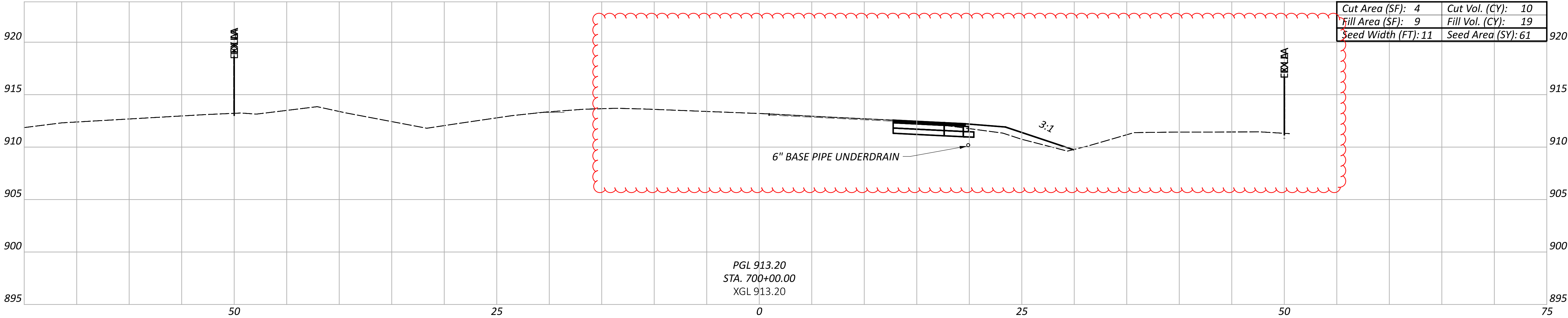
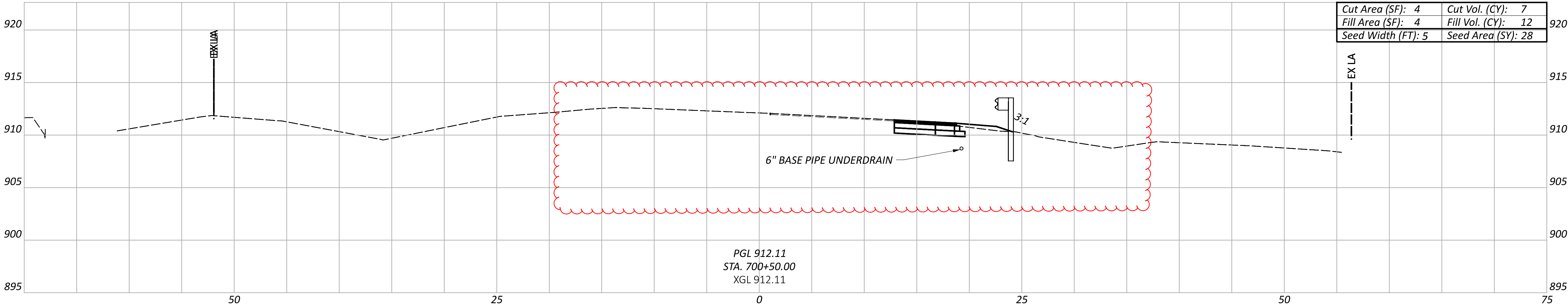
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REVIEWER

JDO 08-22-25

PROJECT ID

100650



Sheet Totals		
Seeding	Cut	Fill
172	32	51

CROSS SECTIONS
STA. 699+50.00 TO STA. 700+50.00

DESIGN AGENCY



DESIGNER

NCD

REVIEWER

JDO 08-22-25

PROJECT ID

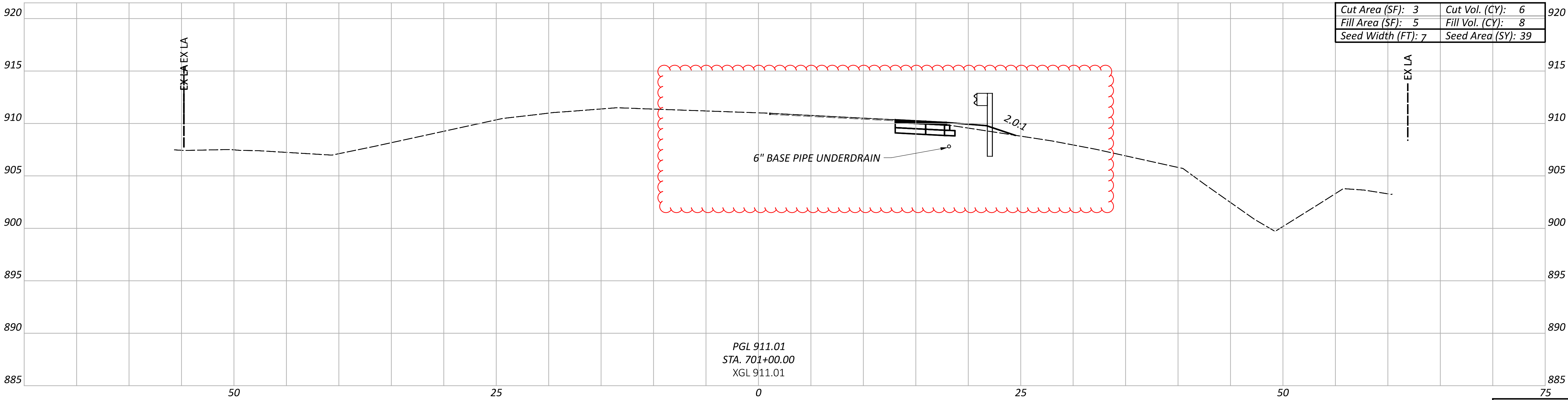
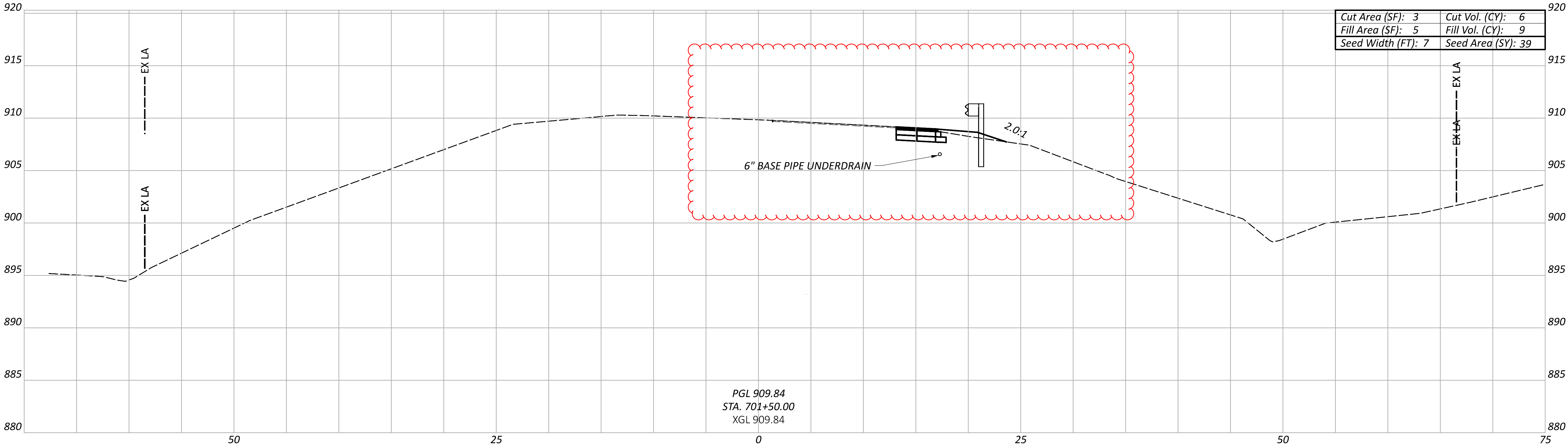
100650

SHEET

37

TOTAL

46



Sheet Totals			
Seeding	Cut	Fill	TOTAL
78	12	17.00	

SHEET	TOTAL
38	46

DESIGN AGENCY



DESIGNER

NCD

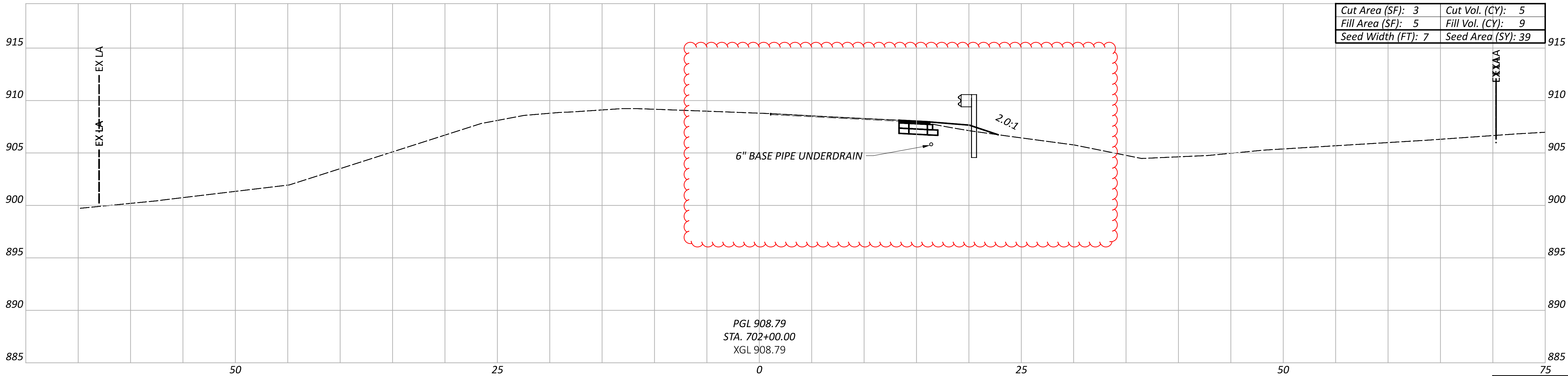
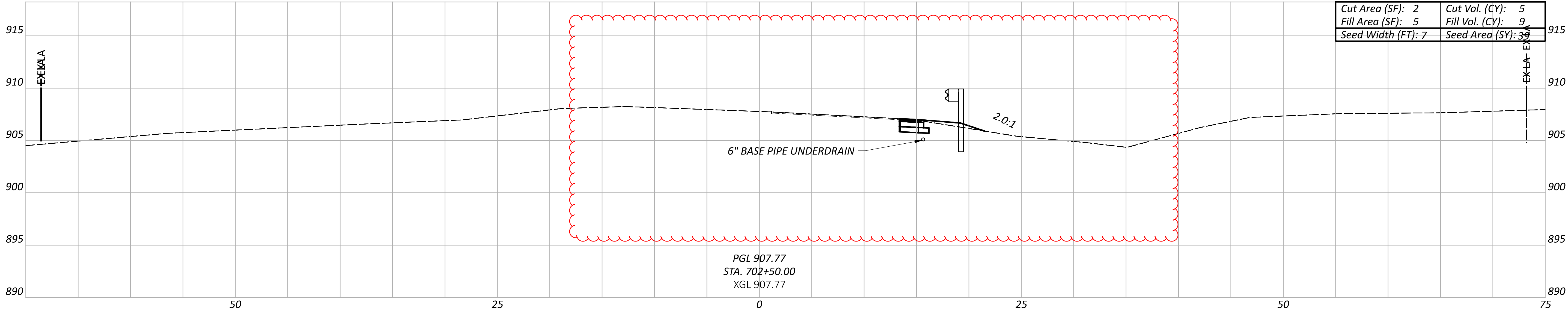
REVIEWER

JDO 08-22-25

PROJECT ID

100650

CROSS SECTIONS
STA. 701+00.00 TO STA. 701+50.00



Sheet Totals		
Seeding	Cut	Fill
78	10.00	18.00

SHEET	TOTAL
39	46

DESIGN AGENCY



DESIGNER

NCD

REVIEWER

JDO 08-22-25

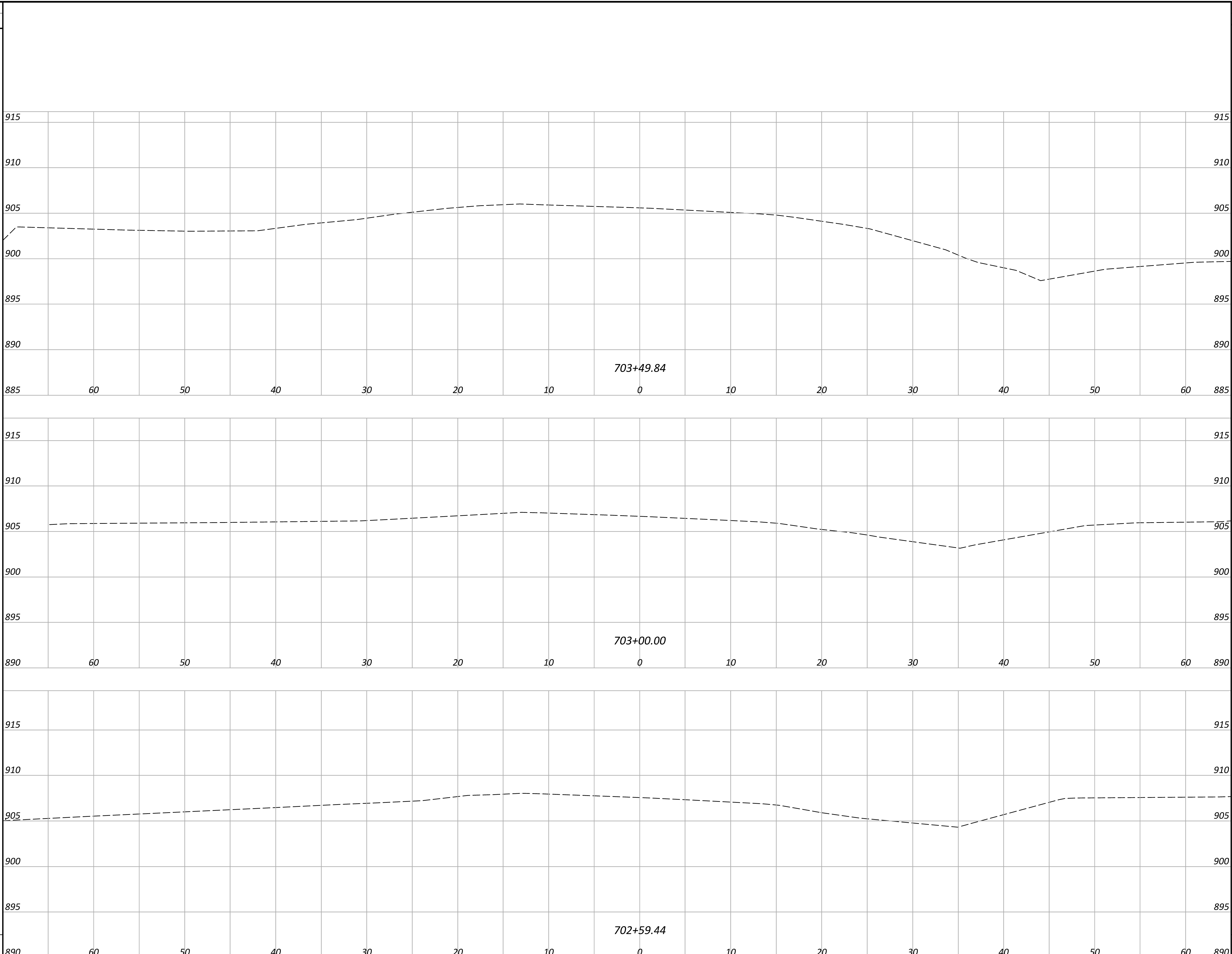
PROJECT ID

100650

WAR-SR 73-7.20

MODEL: CLX_5 - 702+59.44 PAPER: 34x22 (in.) DATE: 11/25/2025 TIME: 1:23:00 PM PLOT: OHDOT_PDF_PLOT.plt USER: Nathan.Davis@dot.ohio.gov WORKSPACE: OHDOT_CV02 WORKSET: 100650 PRODUCT: OpenRoads Designer 24.00.00.2025
 pw:\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\Warren\100650\400-Engineering\Roadway\Sheets\CLX_5 - 702+59.44.dgn

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[illegible]

END AREA		VOLUME	
CUT	FILL	CUT	FILL
0	0		
		0	0
0	0		
		0	0
0	0		
		0	0
SHEET TOTALS			

CROSS SECTIONS
STA. 702+60 TO 703+50

DESIGN AGENCY



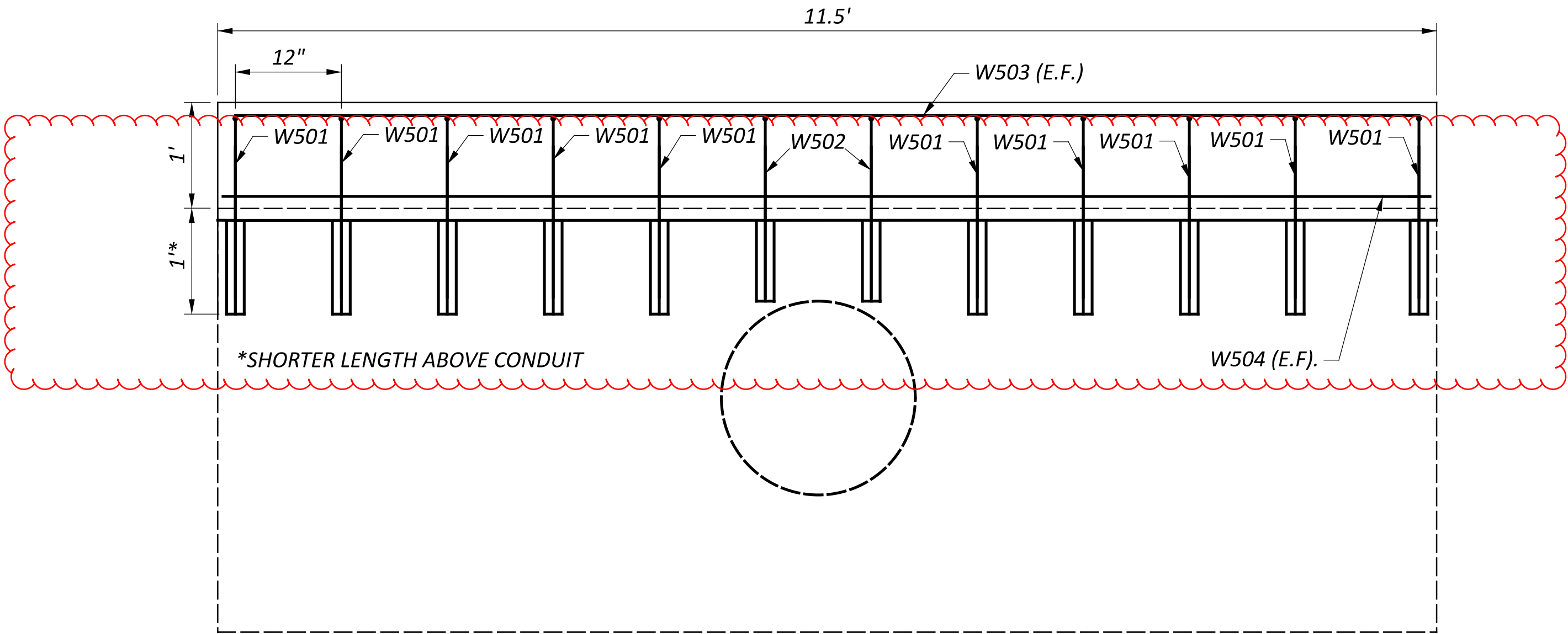
DESIGNER
NCD

REVIEWER
JDO 11-25-

PROJECT ID
100650

SHEET	TOTAL
39a	46

HEADWALL EXTENSION
STA. 695+50, RIGHT



HEADWALL EXTENSIONS DETAIL (12" DEEP)

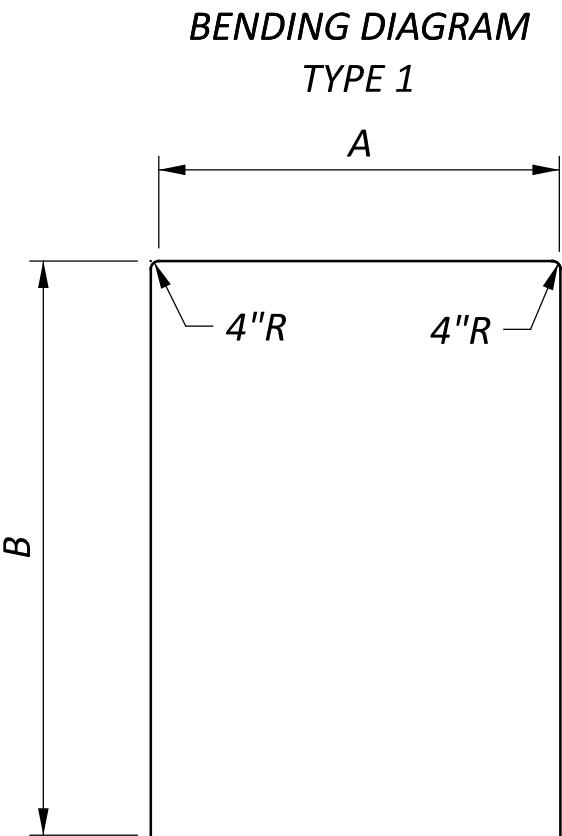
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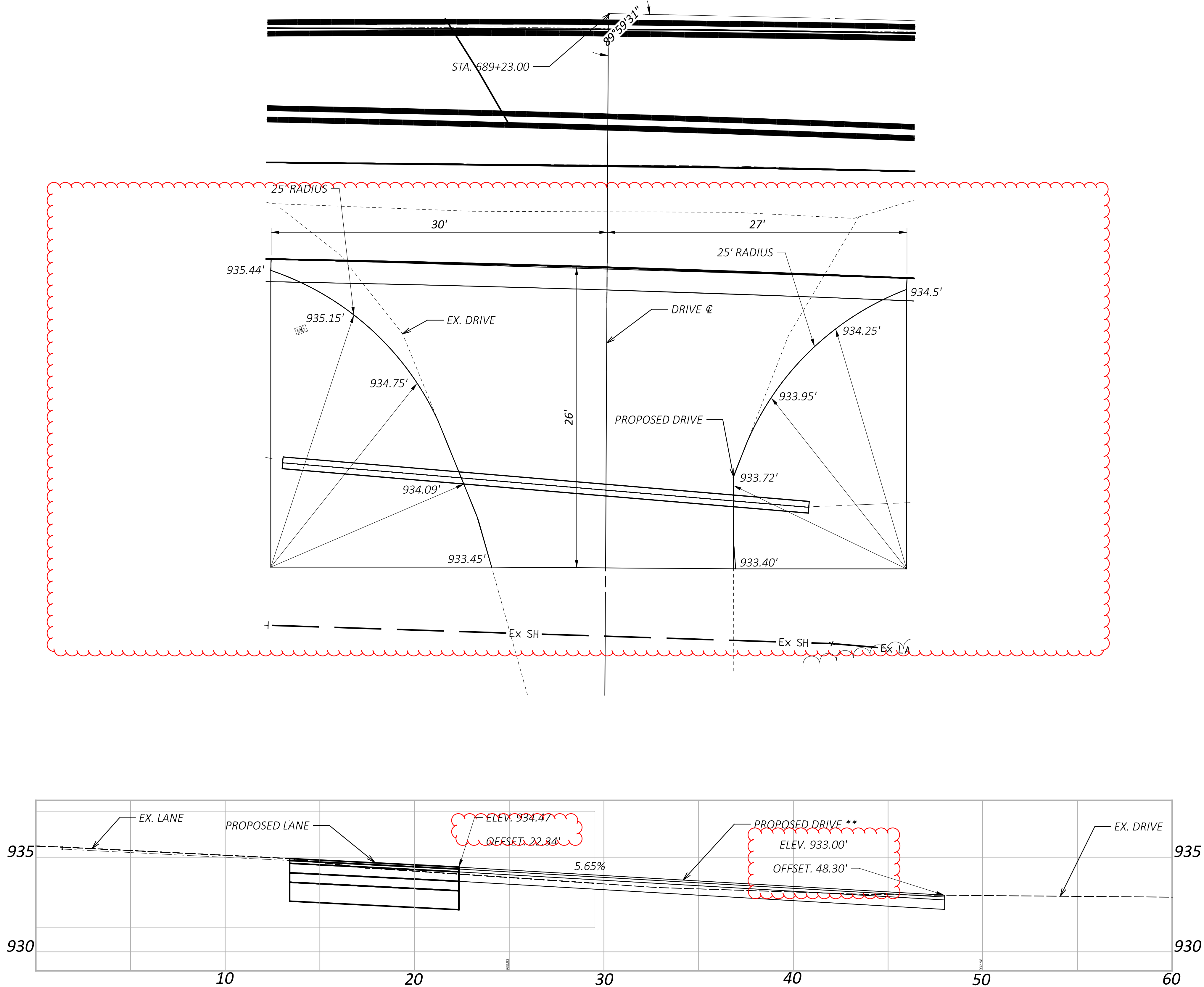
1. PROVIDE 1'0" MINIMUM REBAR DOWEL EMBEDMENT & ANCHOR WITH NON-SHRINK, NON-METALLIC GROUT. WORK FOR THIS IS INCLUDED WITH ITEM 509.
2. REMOVED APPROXIMATELY 1" OF THE EXISTING HEADWALL TO REMOVE CHAMFERS PER 202 - PORTIONS OF STRUCTURE REMOVED.
3. 2" CLEARANCE IS REQUIRED BETWEEN EDGE OF CONCRETE AND REBAR.
4. LOCATED AT STA. 695+60

PAY ITEMS AND QUANTITIES CARRIED TO
THE GENERAL SUMMARY:

ITEM 202 - PORTIONS OF STRUCTURE REMOVED..... 0.03 CY
ITEM 512 - SEALING OF CONCRETE SURFACES..... 1 SY
ITEM 504 - EPOXY COATED REINFORCING STEEL..... 76 LBS
ITEM 511 - CLASS QC1 CONCRETE, HEADWALL..... 0.41 CY

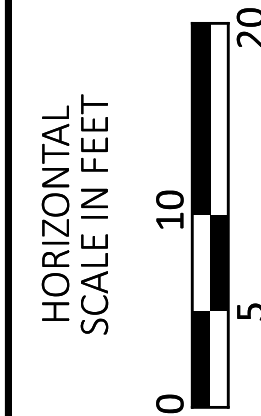
BAR MARV.	LENGTH	TOTAL	WEIGHT	TYPE	BAR DIMENSIONS	
					A	B
W501	4'4"	10	45.2	1	8"	22"
W502	3'4"	2	7.0	1	8"	16"
W503	11'2"	2	11.6	ST		
W504	11'2"	2	11.6	ST		
			76			





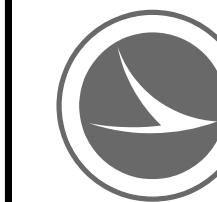
*PROFILE NOT TO SCALE

** PAVT. BUILDUP: 1.25" ITEM 441 - AC SURFACE COURSE, TYPE 1, 449, (DRIVEWAYS)..... 4 CY
ITEM 407 - TACK COAT..... 9 MGAL
1.75" ITEM 441 - AC INTERMEDIATE COURSE, TYPE 2, 449, (DRIVEWAYS)..... 5 CY
8" ITEM 304 - AGGREGATE BASE..... 21 CY



DRIVE DETAILS
COMMERICAL DRIVE STA. 689+23.00

DESIGN AGENCY



DESIGNER

NCD

REVIEWER

JDO 08-22-25

PROJECT ID

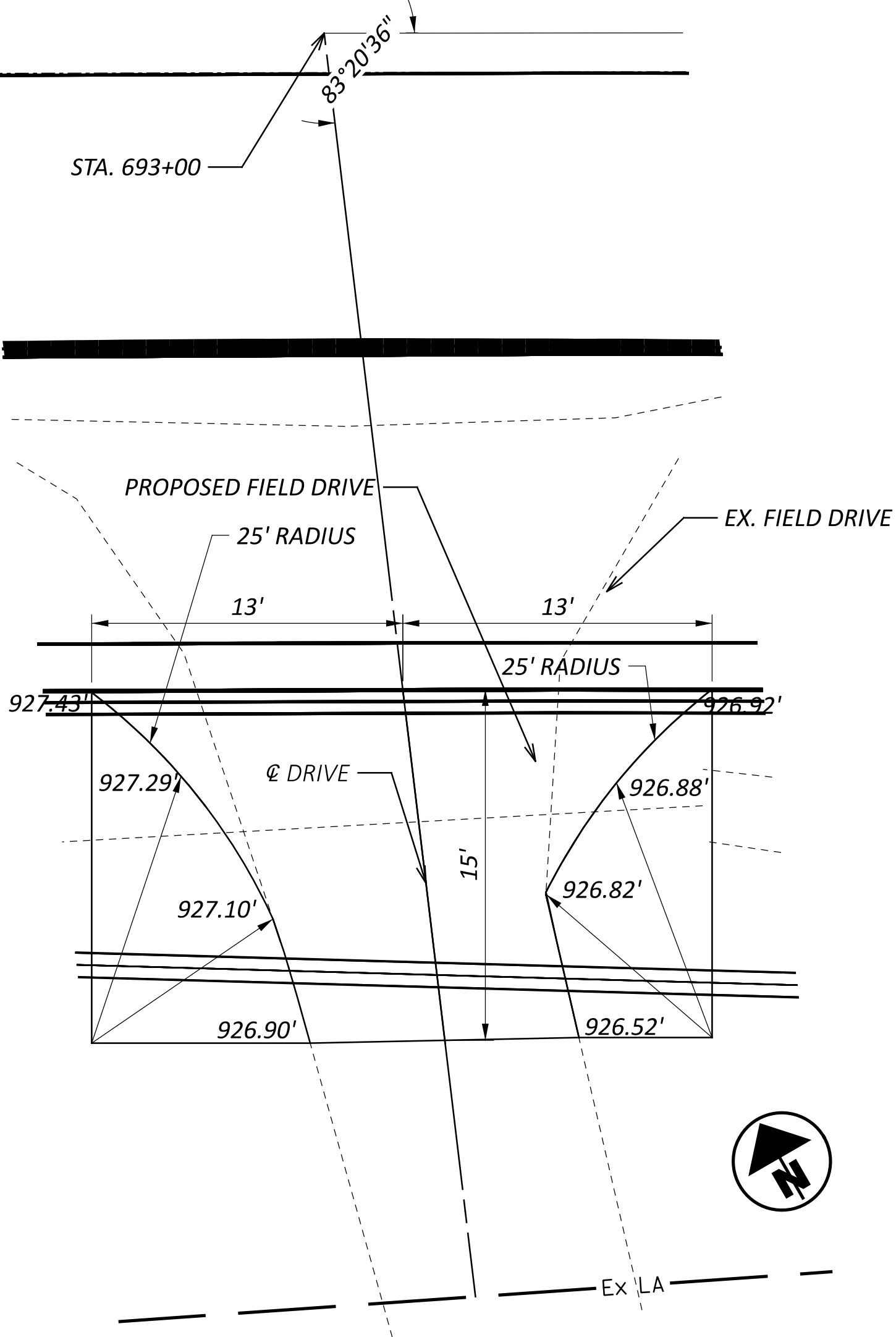
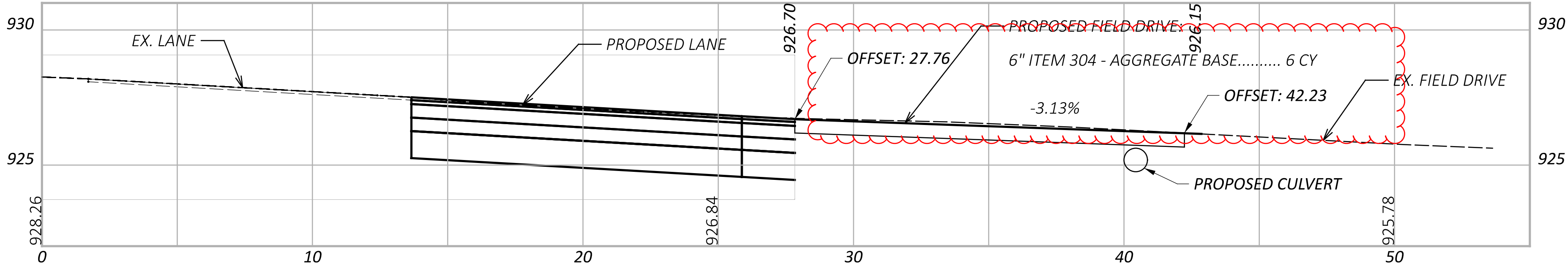
100650

SHEET

41

TOTAL

46



DESIGN AGENCY

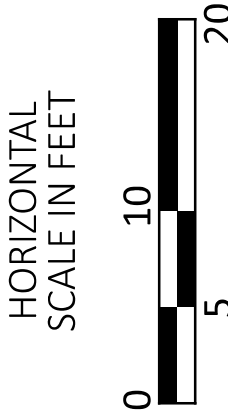
DESIGNER
NCD

REVIEWER
JDO 08-22-25

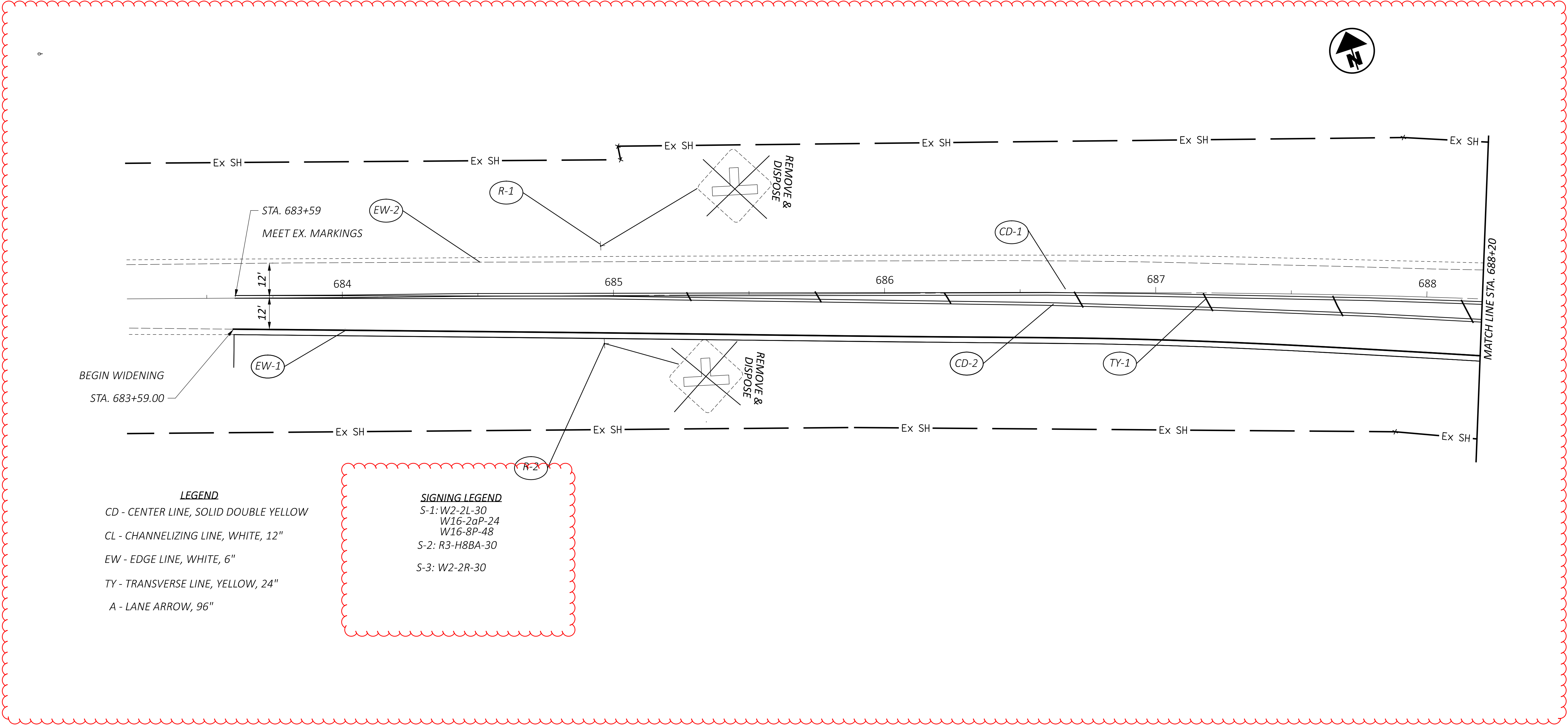
PROJECT ID
100650

SHEET	TOTAL
41	45

DRIVE DETAILS
FIELD DRIVE STA. 693+00



HORIZONTAL
SCALE IN FEET



- LEGEND**
- CD - CENTER LINE, SOLID DOUBLE YELLOW
 - CL - CHANNELIZING LINE, WHITE, 12"
 - EW - EDGE LINE, WHITE, 6"
 - TY - TRANSVERSE LINE, YELLOW, 24"
 - A - LANE ARROW, 96"

- SIGNING LEGEND**
- S-1: W2-2L-30
W16-2aP-24
W16-8P-48
 - S-2: R3-H8BA-30
 - S-3: W2-2R-30

PAVEMENT MARKING & SIGNING PLAN
STA. 683+20 TO STA. 688+20

DESIGN AGENCY



DESIGNER

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REVIEWER

JDO 08-22-25

PROJECT ID

100650

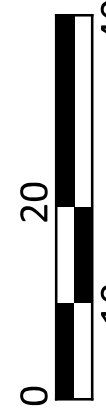
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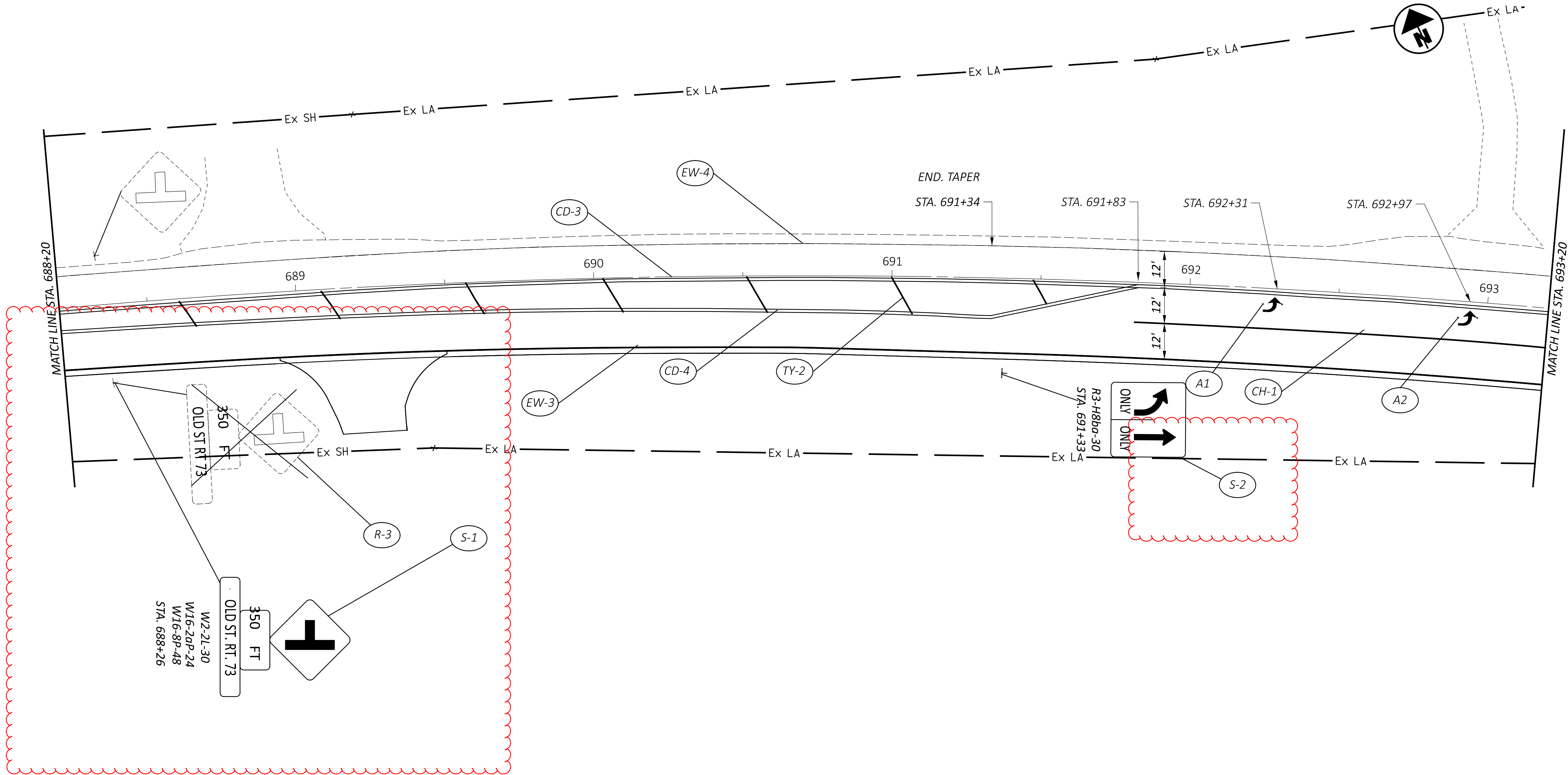
43

TOTAL

46

HORIZONTAL
SCALE IN FEET





PAVEMENT MARKING & SIGNING PLAN
STA. 688+20 TO STA. 693+20

DESIGN AGENCY



DESIGNER

NCD

REVIEWER

JDO 08-22-25

PROJECT ID

100650

SHEET

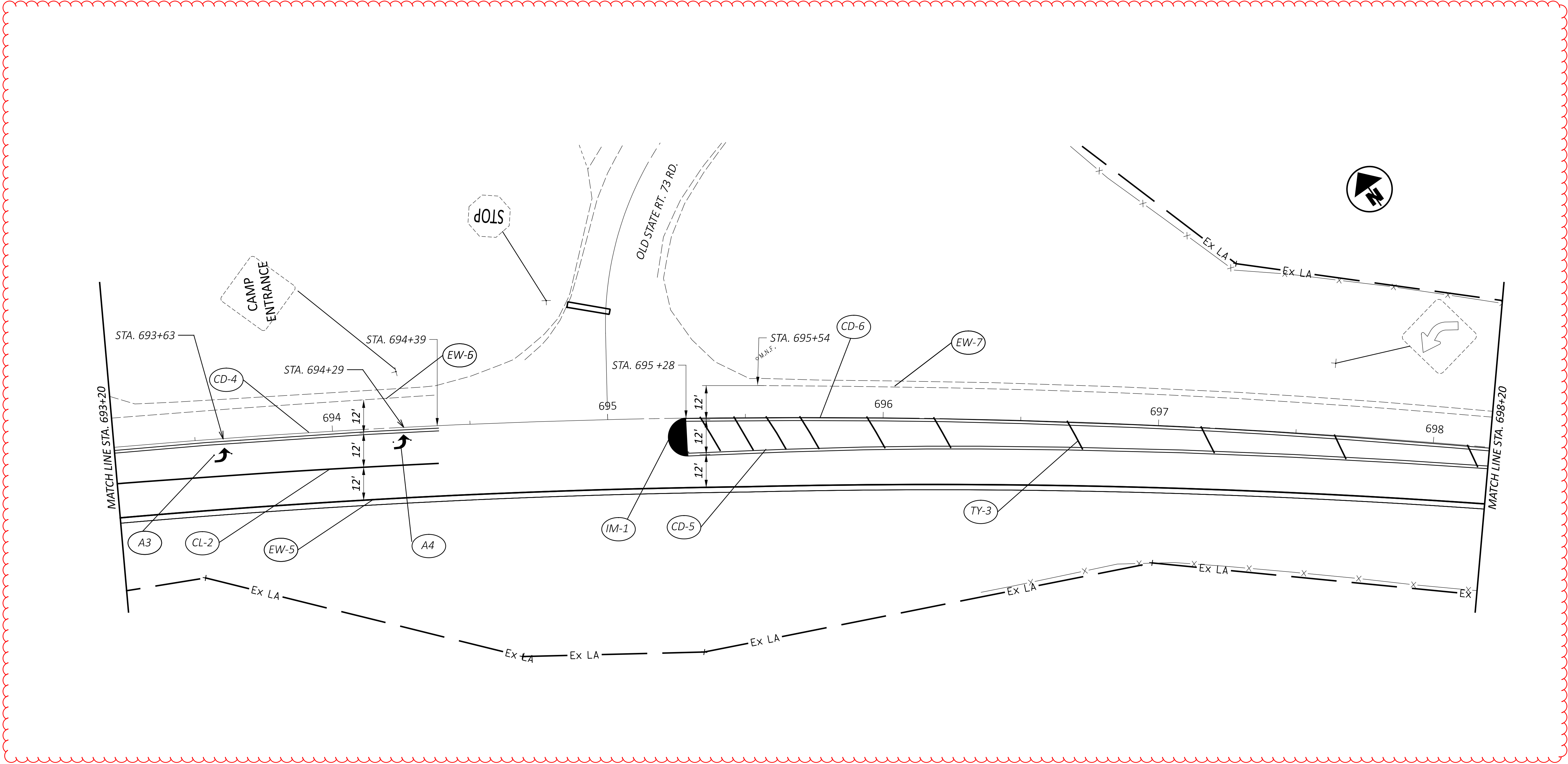
44

TOTAL

46

HORIZONTAL
SCALE IN FEET





PAVEMENT MARKING & SIGNING PLAN
STA. 693+20 TO STA. 698+20

DESIGN AGENCY



DESIGNER

NCD

REVIEWER

JDO 08-22-25

PROJECT ID

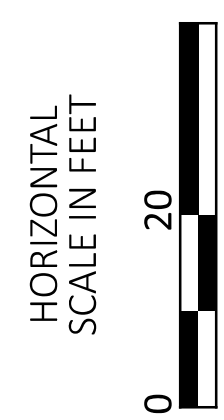
100650

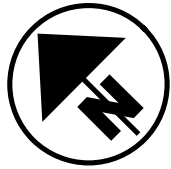
SHEET

45

TOTAL

46





46 | 46

HORIZONTAL
SCALE IN FEET

A horizontal scale bar with a black background and white markings. The scale is marked at 0, 10, 20, and 40 feet. The bar is divided into four equal segments of 10 feet each. The first segment (0-10) is white, the second (10-20) is black, the third (20-30) is white, and the fourth (30-40) is black.