

SCHEMATIC PLAN

PROJECT CONTROL POINTS/BENCHMARKS

POINT	NORTHING	EASTING	ELEV	STATION	OFFSET	FEATURE
CP#1000	418112.276	1854235.749	576.26	1111+20.88	25.74' LT	IP SET
CP#1001	418364.744	1854122.295	574.33	1113+97.03	19.86' RT	IP SET
CP#1002	417869.163	1854466.453	577.32	1107+86.50	15.66' RT	IP SET

SUPERELEVATION TABLE

LEFT SIDE		CENTERLINE CONTROL		RIGHT SIDE		REMARKS						
EDGE ELEVATION	TRANSITION RATE	*ELEVATION CORRECTION	CROSS SLOPE	WIDTH	STATION		PROFILE GRADE	WIDTH	CROSS SLOPE	*ELEVATION CORRECTION	TRANSITION RATE	EDGE ELEVATION
574.73		-0.19	-0.016	12.00	1114+75.00	574.92	12.00	-0.016	-0.19		574.73	
574.57		-0.19	-0.016	12.00	1114+90.48	574.76	12.00	-0.016	-0.19		574.57	N.C.
574.35		-0.31	-0.026	12.00	1115+00.00	574.66	12.00	-0.011	-0.13		574.53	
574.11		-0.35	-0.030	12.00	1115+19.38	574.46	12.00	+0.000	+0.00		574.46	H.F.
573.96		-0.28	-0.024	12.00	1115+41.00	574.24	12.00	+0.011	+0.14		574.38	MATCH

C-1
 CURVE DATA
 P.I. = Sta. 1107+79.11
 N 417851.716
 E 1854455.196
 $\Delta = 10^{\circ}02'20''$ RT
 $D_c = 06^{\circ}00'00''$
 R = 954.93'
 T = 83.87'
 L = 167.31'
 E = 3.68'
 P.C. = 1106+95.24
 N 417279.437
 E 1854510.300
 P.R.C. = 1108+62.55
 N 417923.584
 E 1854411.957
 $e_{max} = -0.016$ (NC)
 (NDC 0.08)

C-2
 CURVE DATA
 P.I. = Sta. 1109+35.80
 N 417986.346
 E 1854374.196
 $\Delta = 08^{\circ}46'20''$ LT
 $D_c = 06^{\circ}00'00''$
 R = 954.93'
 T = 73.25'
 L = 146.21'
 E = 2.80'
 P.R.C. = 1110+08.76
 N 418042.615
 E 1854327.305
 $e_{max} = 0.016$ (NC)
 (NDC 0.08)

C-3
 CURVE DATA
 P.I. = Sta. 1113+50.63
 N 418305.250
 E 1854108.444
 $\Delta = 27^{\circ}19'12''$ RT
 $D_c = 09^{\circ}55'37''$
 (NDC $D_c = 6^{\circ}00'$ MAX)
 R = 577.17'
 T = 140.27'
 L = 275.21'
 E = 16.8'
 P.C. = 1112+10.36
 N 418197.489
 E 1854198.244
 P.R.C. = 1114+85.57
 N 418442.205
 E 1854078.118
 $e_{max} = 0.016$ (NC)
 (NDC 0.08)

C-4
 CURVE DATA
 P.I. = Sta. 1115+59.23
 N 418514.131
 E 1854062.192
 $\Delta = 08^{\circ}25'16''$ LT
 $D_c = 05^{\circ}43'33''$
 R = 1,000.66'
 T = 73.67'
 L = 147.07'
 E = 2.71'
 P.R.C. = 1114+85.57
 N 418442.205
 E 1854078.118
 P.T. = 1116+32.64
 N 418582.949
 E 1854035.904
 $e_{max} = 0.03$ (SB); 0.011 (NB)
 (NDC 0.08)

EX C-2
 CURVE DATA
 P.I. = Sta. 1115+58.65
 N 418515.886
 E 1854061.552
 $\Delta = 08^{\circ}12'25''$ LT
 $D_c = 05^{\circ}43'33''$
 R = 1,000.66'
 T = 71.79'
 L = 143.21'
 E = 2.57'
 P.C. = 1114+86.86
 N 418445.852
 E 1854077.304
 P.T. = 1116+30.20
 N 418582.949
 E 1854035.904

DESIGN AGENCY

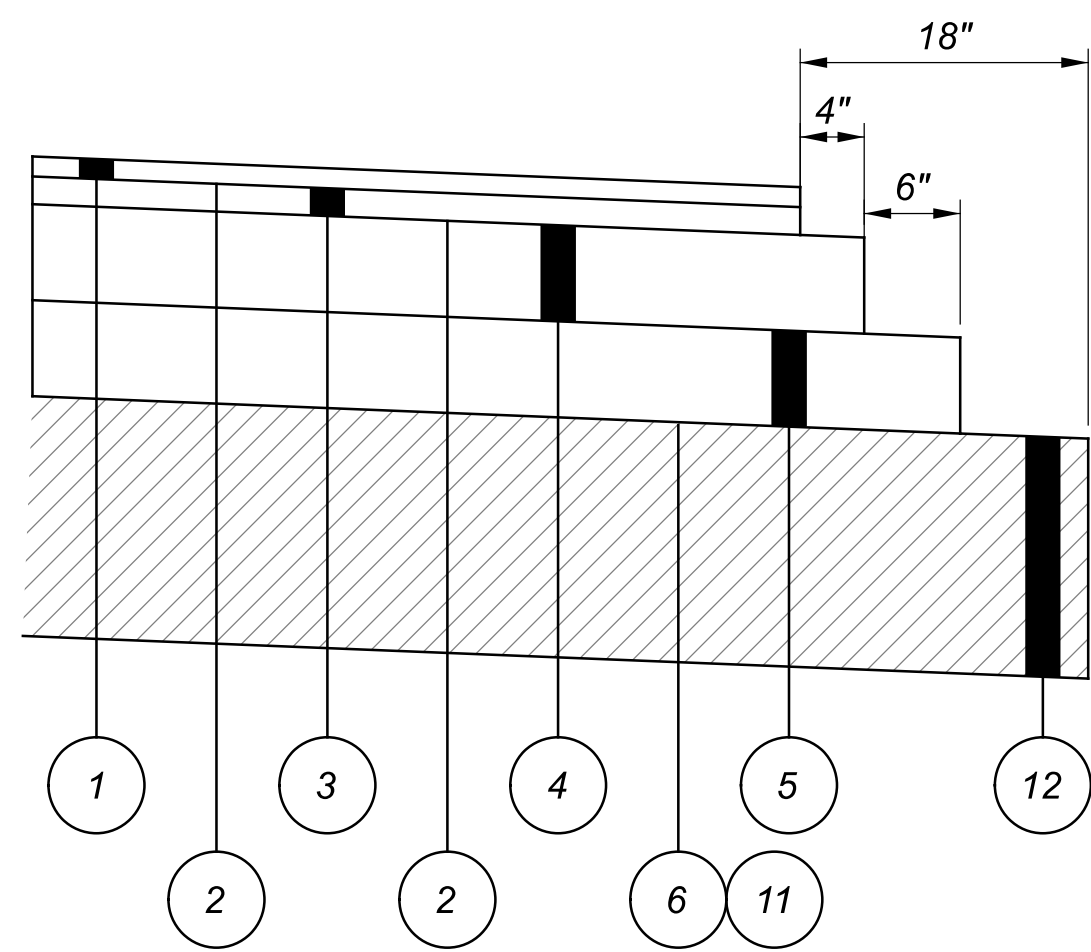


DESIGNER
 SDC
 REVIEWER
 SCS 01/16/24
 PROJECT ID
 114173
 SHEET TOTAL
 P.02 29

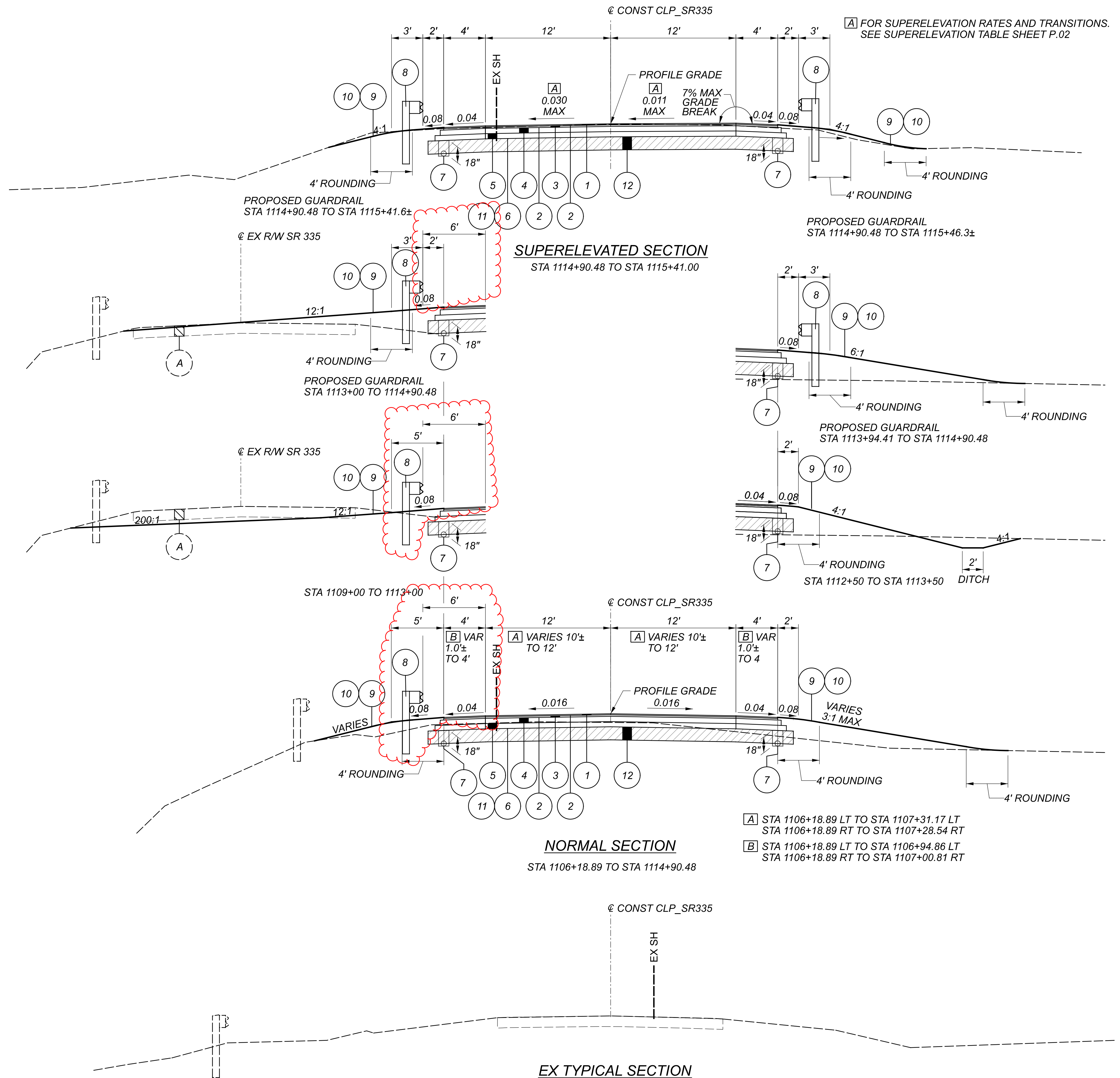
LEGEND

- (A) EX ASPHALT PAVEMENT
- (1) ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (449), PG64-22
- (2) ITEM 407 - TACK COAT @ 0.075 GAL PER SQ YD
- (3) ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1 (449)
- (4) ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22, (449)
- (5) ITEM 304 - 6" AGGREGATE BASE
- (6) ITEM 204 - SUBGRADE COMPACTION
- (7) ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS
- (8) ITEM 606 - GUARDRAIL, TYPE MGS
- (9) ITEM 659 - SEEDING AND MULCHING, CLASS 1
- (10) ITEM 659 - TOPSOIL
- (11) ITEM 204 - PROOF ROLLING
- (12) PROVIDE GLOBAL SUBGRADE STABILIZATION FOR THE PROJECT. EXCAVATE AND REPLACE A DEPTH OF 15 INCHES. EXCAVATE TO 18 INCHES BEYOND THE SURFACE OF THE PAVEMENT OF PAVED SHOULDERS.

SUBGRADE EXCAVATION LIMITS		
1106+18.89	TO	1115+41.00



EDGE COURSE DETAIL



(A) FOR SUPERELEVATION RATES AND TRANSITIONS. SEE SUPERELEVATION TABLE SHEET P.02

TYPICAL SECTIONS

PIK-335-20.78

MODEL: Sheet PAPER SIZE: 34x22 (in.) DATE: 4/17/2024 TIME: 11:45:15 AM USER: Compton P:\PR60124\114173\400-Engineering\Roadway\Sheets\114173_GY001.dgn

DESIGN AGENCY

B&N
burgessniple.com

DESIGNER

SDC

REVIEWER

SCS 01/16/24

PROJECT ID

114173

SHEET TOTAL

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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 AND ADJACENT TO THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

AMERICAN ELECTRIC POWER (DISTRIBUTION)
38831 STATE ROUTE 7
REEDSVILLE, OHIO 45772
MR. CLARKE SAUNDERS
740-985-3054

FRONTIER COMMUNICATIONS
1315 ALBERT STREET
PORTSMOUTH, OHIO 45662
MS. DENA MARTIN
740-354-0521

PIKE WATER, INC.
P.O. BOX 191
WAVERLY, OHIO 45690
MR. FARON YOUNG
740-947-2524

AT&T - OHIO
160 N. 6TH STREET
ZANESVILLE, OHIO 43701
MR. BARRETT TAMASOVICH
740-454-3552

CHARTER COMMUNICATIONS
32 ENTERPRISE DRIVE
CHILLICOTHE, OHIO 45601
MR. AARON KEMPTON
740-648-3091

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.

CLEARING AND GRUBBING

ALTHOUGH THERE ARE NO TREES OR STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE LIMITS OF THE PROJECT, A LUMP SUM QUANTITY IS INCLUDED IN THE GENERAL SUMMARY FOR ITEM 201, CLEARING AND GRUBBING. ALL PROVISIONS AS SET FORTH IN THE SPECIFICATIONS UNDER THIS ITEM ARE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201, CLEARING AND GRUBBING.

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.

SURVEYING PARAMETERS

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE SHEET P.02 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: STATIC GNSS
MONUMENT TYPE: (B)

VERTICAL POSITIONING

ORTHOMETRIC HEIGHT DATUM: NAVD88
GEOID: GEOID18 (CONUS)

HORIZONTAL POSITIONING

REFERENCE FRAME: NAD83(2011)(EPOCH:2010.0000)
ELLIPSOID: GRS80
MAP PROJECTION: LAMBERT CONFORMAL CONIC
COORDINATE SYSTEM: OHIO STATE PLANE (SOUTH) ZONE
COMBINED SCALE FACTOR: 1.0
ORIGIN OF COORDINATE SYSTEM: 0,0

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.
SURVEY COORDINATES ARE ON GRID COORDINATES.

REVIEW OF DRAINAGE FACILITIES

PRIOR TO THE START OF WORK AND AGAIN BEFORE FINAL ACCEPTANCE, PERFORM AN INSPECTION WITH REPRESENTATIVES OF THE DEPARTMENT, CONTRACTOR AND LOCALS OF ALL EXISTING DRAINAGE FACILITIES THAT ARE TO REMAIN IN SERVICE WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCES IS DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION ARE MAINTAINED BY THE DEPARTMENT.

CONFIRM ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE-MENTIONED PARTIES ARE MAINTAINED AND LEFT IN A CONDITION COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. THE CONTRACTOR IS RESPONSIBLE TO CORRECT ANY CHANGE IN THE CONDITION RESULTING FROM THEIR OPERATIONS AS DIRECTED AND APPROVED BY THE ENGINEER.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE IS INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEMS.

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.

SEEDING AND MULCHING

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

659, TOPSOIL 350 CU. YD.
659, SEEDING AND MULCHING, CLASS 1 3,150 SQ. YD.
659, COMMERCIAL FERTILIZER 0.43 TON
659, LIME 0.65 ACRES
659, WATER 17 M. GAL.

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 606 - ANCHOR ASSEMBLY, MGS TYPE E

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 REBOUNDABLE RETROREFLECTIVE 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.

POST CONSTRUCTION STORM WATER TREATMENT

THIS PLAN UTILIZES STRUCTURAL BEST MANAGEMENT PRACTICES (BMP'S) FOR POST CONSTRUCTION STORM WATER TREATMENT.

VEGETATED FILTER STRIP

THIS PLAN UTILIZES VEGETATED FILTER STRIP(S) FOR POST CONSTRUCTION STORM WATER TREATMENT. PLACE EITHER ITEM 660 SODDING OR ITEM 659 SEEDING AND MULCHING WITH A 4-INCH LIFT OF TOPSOIL AND ITEM 670, SLOPE EROSION PROTECTION TO ALL DISTURBED AREAS DESIGNATED AS VEGETATED FILTER STRIPS, THE EDGE OF SHOULDER, AND THE FORESLOPE AS SPECIFIED IN THE PLANS.

ITEM 204 - SUBGRADE COMPACTION AND PROOF ROLLING

CONSTRUCT THE SUBGRADE AS FOLLOWS AND IN THE FOLLOWING SEQUENCE:

- SHAPE THE SUBGRADE TO WITHIN 0.2 FEET OF THE PLAN SUBGRADE ELEVATION.
- EXCAVATE AND REPLACE UNSUITABLE SUBGRADE BEFORE PROOF ROLLING. THE EXCAVATION LIMITS ARE SHOWN AND LABELED ON THE TYPICAL SECTIONS. UNSUITABLE SUBGRADE INCLUDES UNSUITABLE SOIL (A-4B, A-2-5, A-5, A-7-5, AND SOIL WITH A LIQUID LIMIT GREATER THAN 65) AND ANY COAL, SHALE, OR ROCK WHICH NEEDS TO BE REMOVED ACCORDING TO SECTION 204.05 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS (C&MS).

IF THERE IS UNSUITABLE SUBGRADE IN A SHALLOW FILL LOCATION, EXCAVATE AND REPLACE THE UNSUITABLE SUBGRADE BEFORE CONSTRUCTING THE SHALLOW FILL AND SHAPING THE SUBGRADE.

- COMPACT THE SUBGRADE ACCORDING TO C&MS 204.03.
- APPROXIMATE LIMITS FOR EXCAVATION OF UNSTABLE SUBGRADE ARE SHOWN IN THE TABLE BELOW. THE ENGINEER WILL IDENTIFY THE ACTUAL LIMITS OF EXCAVATION FOR UNSTABLE SUBGRADE BASED ON THE PROOF ROLLING RESULTS AND VISUAL OBSERVATIONS.

PROOF ROLL THE COMPACTED SUBGRADE ACCORDING TO C&MS 204.06.

SUBGRADE EXCAVATION LIMITS		
1106+18.89	TO	1115+41.00

- EXCAVATE UNSTABLE SUBGRADE AS DIRECTED BY THE ENGINEER AND STABILIZE BY REPLACING WITH THE SPECIFIED MATERIALS ACCORDING TO C&MS 204.07. EXCAVATIONS WILL EXTEND 18 INCHES BEYOND THE EDGE OF THE SURFACE OF THE PAVEMENT, PAVED SHOULDERS, OR PAVED MEDIANS.
- PROOF ROLL THE STABILIZED AREAS ACCORDING TO C&MS 204.06 TO VERIFY STABILITY.
- FINE GRADE THE SUBGRADE TO THE SPECIFIED GRADE.

THE QUANTITIES FOR EXCAVATING THE UNSUITABLE SUBGRADE AND UNSTABLE SUBGRADE ARE BOTH PAID UNDER ITEM 204, EXCAVATION OF SUBGRADE.

PROVIDE GLOBAL SUBGRADE STABILIZATION FOR THE PROJECT. EXCAVATE AND REPLACE A DEPTH OF 15 INCHES. EXCAVATE TO 18 INCHES BEYOND THE SURFACE OF THE PAVEMENT OF PAVED SHOULDERS.

THE FOLLOWING QUANTITIES ARE PROVIDED FOR USE IN THE WORK NOTED FOR "ITEM 204 - SUBGRADE COMPACTION AND PROOF ROLLING", AS DIRECTED BY THE ENGINEER.

ITEM 204 - PROOF ROLLING	2 HR
ITEM 204 - EXCAVATION OF SUBGRADE	1767 CY
ITEM 204 - GRANULAR MATERIAL, TYPE C	1767 CY
ITEM 204 - GEOTEXTILE FABRIC, TYPE D	3533 SY

GENERAL NOTES

DESIGN AGENCY



DESIGNER

SDC

REVIEWER

SCS 01/16/24

PROJECT ID

114173

SHEET

TOTAL

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ITEM 614, MAINTAINING TRAFFIC

A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES ON S.R. 335 EXCEPT FOR A PERIOD NOT TO EXCEED 45 CONSECUTIVE CALENDAR DAYS WHEN THROUGH TRAFFIC MAY BE DETOURED AS SHOWN ON SHEET 6. A DISINCENTIVE SHALL BE ASSESSED IN THE AMOUNT OF \$2,500 FOR EACH CALENDAR DAY THE ROADWAY REMAINS CLOSED TO TRAFFIC BEYOND THE SPECIFIED LIMIT.

COMPLETE CLOSURE OF THE HIGHWAY SHALL NOT BE UNTIL JULY 1ST, 2024 UNLESS OTHERWISE APPROVED BY THE DCE

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. ON ROADWAYS, THEY SHOULD BE ERECTED AT OR NEAR THE POINT OF CLOSURE.

DURATION OF CLOSURE

> 2 WEEKS	SIGN DISPLAYED TO PUBLIC
> 12 HOURS & < 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
< 12 HOURS	7 CALENDAR DAYS PRIOR TO CLOSURE
	2 BUSINESS DAYS PRIOR TO CLOSURE

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.

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.

BEFORE THE WORK BEGINS, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER THE NAMES AND TELEPHONE NUMBERS OF A PERSON OR PERSONS WHO CAN BE CONTACTED TENTY-FOUR (24) HOURS PER DAY BY THE OHIO DEPARTMENT OF TRANSPORTATION AND ALL INTERESTED POLICE AGENCIES. THIS PERSON OR PERSONS SHALL BE RESPONSIBLE FOR PLACING OR REPLACING NECESSARY TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

THE CONTRACTOR WILL ADVISE THE DISTRICT PUBLIC INFORMATION OFFICER AT (740) 774-8834, OR FAX (740) 773-2710 SEVEN (7) DAYS PRIOR TO THE START OF CONSTRUCTION ACTIVITIES. THE PROJECT ENGINEER WILL PROVIDE ASSISTANCE/ CLARIFICATION FOR ANY QUESTIONS.

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.

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 PRIOR TO CLOSURE
	> 12 HOURS & < 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	<= 12 HOURS	4 CALENDAR DAYS PRIOR TO CLOSURE
LANE CLOSURES & RESTRICTIONS	>= 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	< 2 WEEKS	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.

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.

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

ITEM 614, BARRIER REFLECTOR, TYPE 3 (BIDIRECTIONAL) 21 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 WILL NOT BE PERMITTED AT PROJECT COST. 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:

COMPLETE CLOSURE FOR SR335 TASKS.

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).

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: 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).

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 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 20 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 A LEO ARE INCLUDED WITH THE BID UNIT PRICE FOR ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE.

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 SHEET P.06. 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.

ITEM 301, ASPHALT CONCRETE BASE, PG 64-22	148 CU. YD.
ITEM 304, AGGREGATE BASE	148 CU. YD.
ITEM 441, ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (449), PG 64-22	30 CU. YD.
ITEM 441, ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1 (449)	43 CU. YD.
ITEM 407, TACK COAT	68 GAL.
ITEM 642, CENTER LINE	0.25 MILE

DESIGN AGENCY



DESIGNER

SDC

REVIEWER

SCS 01/16/24

PROJECT ID

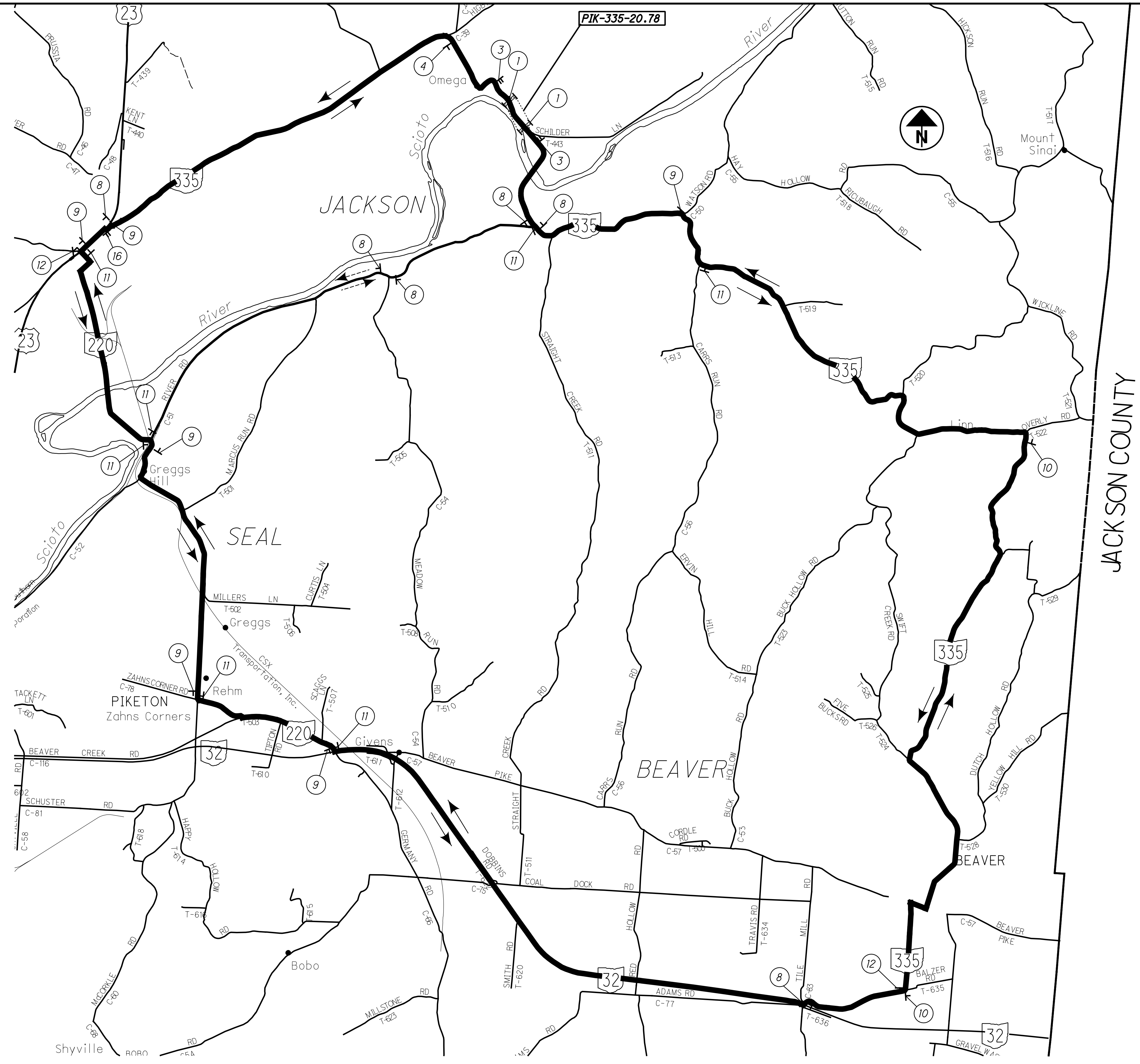
114173

SHEET TOTAL

P.05 29

① ROAD CLOSED R11-2-48	② ROAD CLOSED 500 FT W20-3-36	③ ROAD CLOSED 1000 FT WITH TYPE "A" WARNING LIGHT W20-3-36	④ ROAD WORK AHEAD WITH TYPE "A" WARNING LIGHT W20-1-36
⑦ END DETOUR M4-8a-24	⑧ DETOUR M4-8-24	⑨ DETOUR M4-8-24	⑩ DETOUR M4-8-24
⑪ DETOUR M4-8-24	⑫ DETOUR M4-8-24	⑬ ROAD CLOSED 2.4 MILES AHEAD LOCAL TRAFFIC ONLY R11-3A-60	
⑭ ROAD CLOSED 0.04 MILES AHEAD LOCAL TRAFFIC ONLY R11-3A-60	⑮ ROAD CLOSED 1.5 MILES AHEAD LOCAL TRAFFIC ONLY R11-3A-60	⑯ ROAD CLOSED 0.5 MILES AHEAD LOCAL TRAFFIC ONLY R11-3A-60	

③③⑤ MI-5-24	③③⑤ MI-5-24	③③⑤ MI-5-24
↑ M6-3-21	↶ M5-1-21	← M6-1-21
↷ M5-1-21	→ M6-1-21	
↘ M4-10R-48		




→ OFFICIAL SIGNED DETOUR ROUTE
 - - - DESIGNATED DETOUR ROUTE

JACKSON COUNTY

DETOUR PLAN

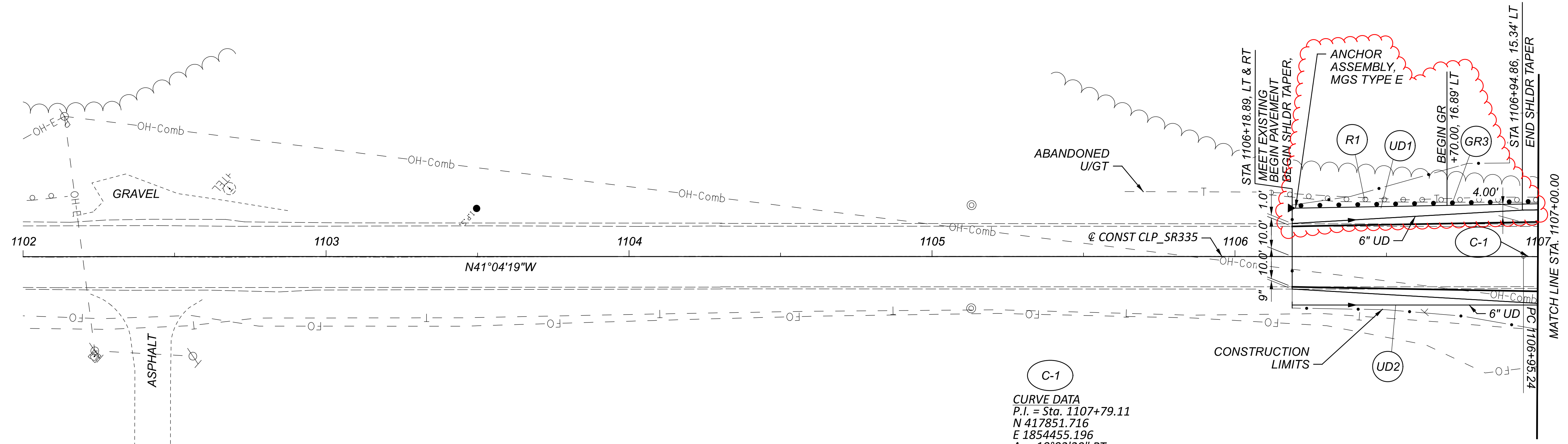
DESIGN AGENCY
B&N burgessniple.com
DESIGNER
SDC
REVIEWER
SCS 01/16/24
PROJECT ID
114173
SHEET TOTAL
P.06 29

SHEET NUM.										PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
4	5	8	9	22	24					01/STR/06	EXT	TOTAL				
ROADWAY																
LS										LS	201	11000	LS		CLEARING AND GRUBBING	
		10								10	202	35100	10	FT	PIPE REMOVED, 24" AND UNDER	
		2,303								2,303	202	23000	2,303	SY	PAVEMENT REMOVED	
		1,000								1,000	202	38000	1,000	FT	GUARDRAIL REMOVED	
		2								2	202	42010	2	EACH	ANCHOR ASSEMBLY REMOVED, TYPE E	
										663	203	10000	663	CY	EXCAVATION	
										753	203	20000	753	CY	EMBANKMENT	
1,767										1,767	204	13000	1,767	CY	EXCAVATION OF SUBGRADE	
1,767										1,767	204	30020	1,767	CY	GRANULAR MATERIAL, TYPE C	
3,533										3,533	204	50000	3,533	SY	GEOTEXTILE FABRIC	
		825								825	606	15050	825	FT	GUARDRAIL, TYPE MGS	
		4								4	606	26150	4	EACH	ANCHOR ASSEMBLY, MGS TYPE E, NCHRP 350/MASH 2016	
EROSION CONTROL																
350										350	659	00300	350	CY	TOPSOIL	
3,150										3,150	659	00500	3,150	SY	SEEDING AND MULCHING, CLASS 1	
0.43										0.43	659	20000	0.43	TON	COMMERCIAL FERTILIZER	
0.65										0.65	659	31000	0.65	ACRE	LIME	
17										17	659	35000	17	MGAL	WATER	
										1,162	670	00500	1,162	SY	SLOPE EROSION PROTECTION	
										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	
										5,000	832	30000	5,000	EACH	EROSION CONTROL	9
DRAINAGE																
		6								6	601	21050	6	SY	TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT	
		0.3								0.3	602	20000	0.3	CY	CONCRETE MASONRY	
		1,832								1,832	605	11100	1,832	FT	6" SHALLOW PIPE UNDERDRAINS	
		147								147	611	00510	147	FT	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS	
		49								49	611	07400	49	FT	18" CONDUIT, TYPE B, 707.13 (0.079) GALVANIZED; 707.11 (0.064)	
		3								3	611	99710	3	EACH	PRECAST REINFORCED CONCRETE OUTLET	
PAVEMENT																
		3,533								3,533	204	10000	3,533	SY	SUBGRADE COMPACTION	
2		2								4	204	45000	4	HOURL	PROOF ROLLING	
	148	549								697	301	56000	697	CY	ASPHALT CONCRETE BASE, PG64-22, (449)	
	148	566								714	304	20000	714	CY	AGGREGATE BASE	
	68	484								552	407	10000	552	GAL	TACK COAT	
	30	112								142	441	70000	142	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22	
	43	157								200	441	70200	200	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (449)	
TRAFFIC CONTROL																
										25	621	00100	25	EACH	RPM	
										25	621	54000	25	EACH	RAISED PAVEMENT MARKER REMOVED	
										27	626	00112	27	EACH	BARRIER REFLECTOR, TYPE 3, BIDIRECTIONAL (POST MOUNTED)	
										0.35	642	00104	0.35	MILE	EDGE LINE, 6", TYPE 1	
	0.25									0.18	642	00300	0.43	MILE	CENTER LINE, TYPE 1	
										114.6	630	02100	114.6	FT	GROUND MOUNTED SUPPORT, NO. 2 POST	
										43	630	80100	43	SF	SIGN, FLAT SHEET	
										2	630	84900	2	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
										1	630	86002	1	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	
MAINTENANCE OF TRAFFIC																
	20									20	614	11110	20	HOURL	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
										LS	614	12420	LS		DETOUR SIGNING	
	21									21	614	13314	21	EACH	BARRIER REFLECTOR, TYPE 3, BIDIRECTIONAL	
INCIDENTALS																
	LS									LS	614	11000	LS		MAINTAINING TRAFFIC	
										12	619	16000	12	MNTH	FIELD OFFICE, TYPE A	
										LS	623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
										LS	624	10000	LS		MOBILIZATION	

DESIGN AGENCY

 DESIGNER
 SDC
 REVIEWER
 SCS 01/16/24
 PROJECT ID
 114173
 SHEET TOTAL
 P.07 29

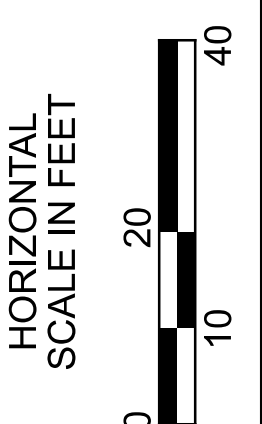
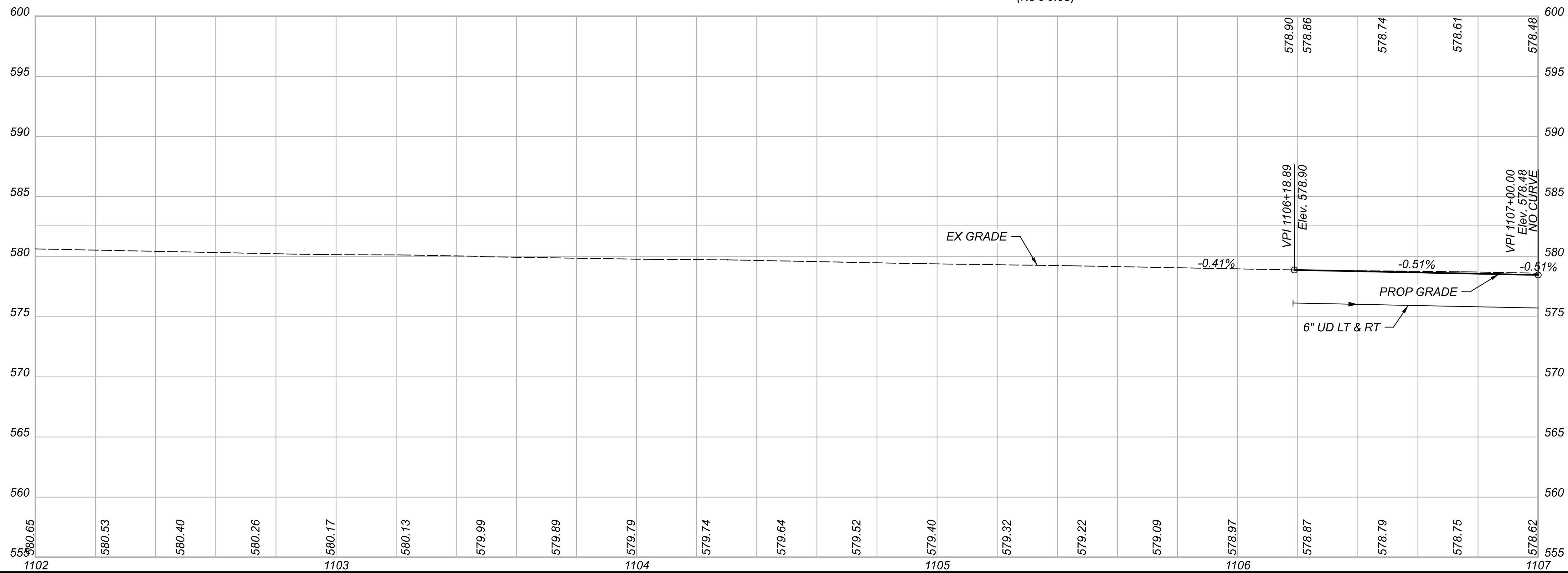
STATION RANGE	TYPICAL SECTION	SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW/9	CADD GENERATED AREA	204	204	301	304	407	441	441						
							PROOF ROLLING	SUBGRADE COMPACTION	ASPHALT CONCRETE BASE, PG64-22, (449)	AGGREGATE BASE	TACK COAT @ 0.075 GAL/SY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (449)	FT	FT	SQ YD	SQ YD	HOUR	SY
1106+18.89 TO 1107+31.17		LT	112.28	13.50	168.42														
				13.50	168.42														
				13.83	172.58														
				14.33	178.82														
				15.00	187.14														
1106+18.89	1107+28.54	RT	109.65	13.50	164.47														
				13.50	164.47														
				13.83	168.54														
				14.33	174.63														
				15.00	182.75														
1107+28.54	1107+31.17	RT	2.63	13.50	3.95														
				13.50	3.95														
				13.83	4.04														
				14.33	4.19														
				14.40	4.21														
1107+31.17	1115+43.30	LT/RT	812.13	32.00	2887.57														
				32.00	2887.57														
				32.67	2947.73														
				33.67	3037.96														
				35.00	3158.34														
SUBTOTALS							1.77	3532.44	548.81	565.93	483.66	111.96	156.71						
TOTALS CARRIED TO GENERAL SUMMARY							2	3533	549	566	484	112	157						

REF NO.	SHEET NO.	STATION TO STATION				202	202	202	202	601	602	605	606	606	611	611	611			
						PIPE REMOVED, 24" AND UNDER	PAVEMENT REMOVED	GUARDRAIL REMOVED	ANCHOR ASSEMBLY REMOVED, TYPE E	TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT	CONCRETE MASONRY	6" SHALLOW PIPE UNDERDRAINS	GUARDRAIL, TPE MGS	ANCHOR ASSEMBLY, MGS TYPE E	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS	18" CONDUIT, TYPE B 707.13 (0.079) GALVANIZED; 707.11 (0.064)	PRECAST REINFORCED CONCRETE OUTLET	FT	SY	FT
R1	10	1106+10.05	LT	1115+41.60	LT			912.50	1											
R2	10-12	1106+18.89	CL	1115+43.30	CL		2303.00													
R3	12	1114+15.95	RT	1115+46.30	RT			87.50	1											
GR1	11-12	1111+98.29	LT	1115+41.60	LT							350.00	1							
GR2	12	1114+45.47	RT	1115+43.30	RT							100.00	1							
GR3	11-12	1106+70.00	LT	1110+44.71	LT							375.00	2							
D1	23	1112+82.01	CL			10				0.3						49				
UD1	10-11	1106+18.98	LT	1107+03.00	LT															
UD2	10-11	1106+18.98	RT	1107+03.00	RT															
UD3	11	1107+03.00	RT	1107+03.00	LT				2											
UD4	11	1107+03.00	LT	1108+50.00	LT															
UD5	11	1107+03.00	RT	1108+50.00	RT															
UD6	11-12	1108+50.00	LT	1112+72.00	LT															
UD7	11-12	1108+50.00	RT	1112+72.00	RT															
UD8	12	1112+72.00	LT	1112+72.00	RT				2											
UD9	12	1112+72.00	LT	1114+00.00	LT															
UD10	12	1112+72.00	RT	1114+00.00	RT															
UD11	12	1114+00.00	LT	1115+35.00	LT															
UD12	12	1114+00.00	RT	1115+35.00	RT															
UD13	12	1115+35.00	RT	1115+35.00	LT				2											
TOTALS CARRIED TO GENERAL SUMMARY						10	2303	1000	2	6	0.3	1832	825	4	147	49	3			



C-1
CURVE DATA
 P.I. = Sta. 1107+79.11
 N 417851.716
 E 1854455.196
 $\Delta = 10^\circ 02' 20''$ RT
 Dc = 06'00'00"
 R = 954.93'
 T = 83.87'
 L = 167.31'
 E = 3.68'
 P.C. = 1106+95.24
 N 417279.437
 E 1854510.300
 P.R.C. = 1108+62.55
 N 417923.584
 E 1854411.957
 $e_{max} = 0.016$ (NC)
 (NDC 0.08)

FOR PROJECT CONTROL, SEE SHEET P.02

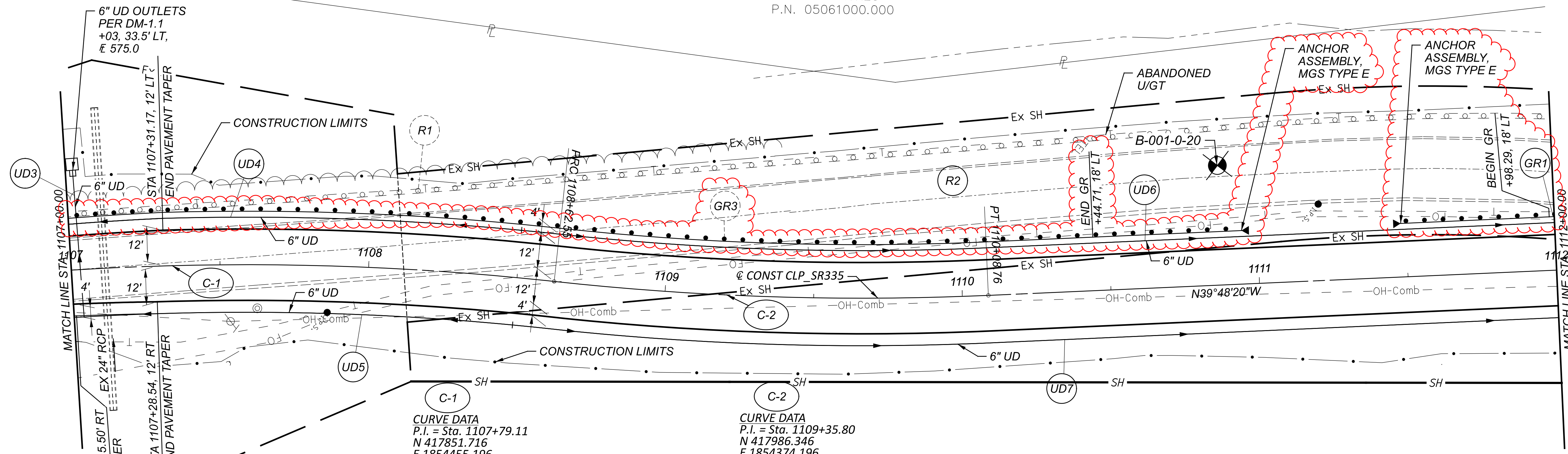


PLAN AND PROFILE
 STA 1102+00 TO STA 1107+00

DESIGN AGENCY	
B&N burgessniple.com	
DESIGNER	SDC
REVIEWER	SCS 01/16/24
PROJECT ID	114173
SHEET	P.10
TOTAL	29

SCIOTO VALLEY FARMS INC
 O.R.V. 281, PGS. 564
 389.23 ACRES
 P.N. 05061000.000

SCIOTO RIVER

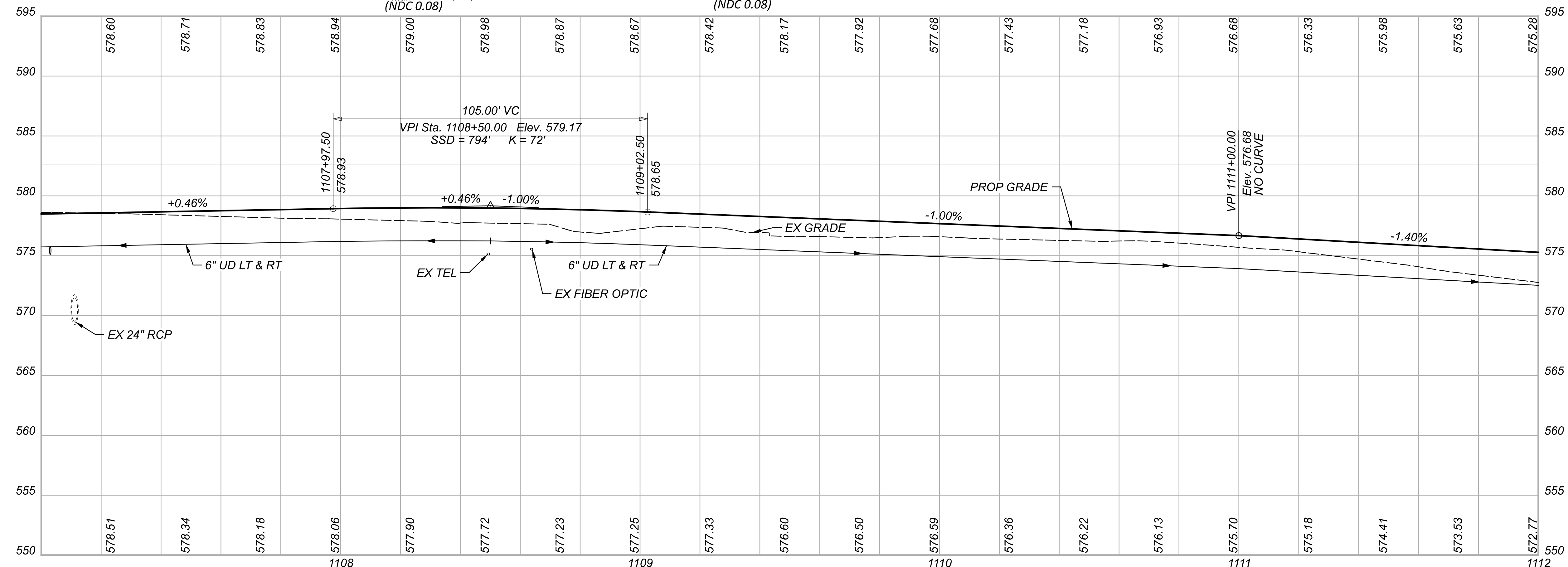


CURVE DATA
 P.I. = Sta. 1107+79.11
 N 417851.716
 E 1854455.196
 $\Delta = 10^{\circ}02'20''$ RT
 Dc = 06'00'00"
 R = 954.93'
 T = 83.87'
 L = 167.31'
 E = 3.68'
 P.C. = 1106+95.24
 N 417279.437
 E 1854510.300
 P.R.C. = 1108+62.55
 N 417923.584
 E 1854411.957
 $e_{max} = 0.016$ (NC)
 (NDC 0.08)

CURVE DATA
 P.I. = Sta. 1109+35.80
 N 417986.346
 E 1854374.196
 $\Delta = 08^{\circ}46'20''$ LT
 Dc = 06'00'00"
 R = 954.93'
 T = 73.25'
 L = 146.21'
 E = 2.80'
 P.R.C. = 1108+62.55
 N 417923.584
 E 1854411.957
 P.T. = 1110+08.76
 N 418042.615
 E 1854327.305
 $e_{max} = 0.016$ (NC)
 (NDC 0.08)

CERES FARMS, LLC
 O.R.V. 340, PGS. 1540-1564
 1915.544 ACRES
 P.N. 08-0029000.000

FOR PROJECT CONTROL, SEE SHEET P.02



PLAN AND PROFILE
 STA. 1107+00 TO STA 1112+00

DESIGN AGENCY



DESIGNER	SDC
REVIEWER	SCS 01/16/24
PROJECT ID	114173
SHEET	TOTAL
P.11	29

EX C-1
CURVE DATA
P.I. = Sta. 1112+47.93
N 418093.116
E 1854234.886
 $\Delta = 29^\circ 49' 47''$ RT
Dc = 09°57'52"
R = 575.00'
T = 153.16'
L = 299.36'
E = 20.05'
P.C. = 1110+94.77
N 418093.116
E 1854234.886
P.T. = 1113+94.13
N 418355.391
E 1854097.689

STATE OF OHIO
O.R.V. 96, PGS. 689
0.378 ACRE
PARCEL 10WD

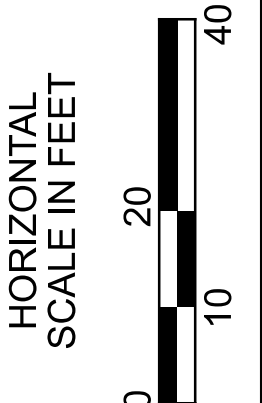
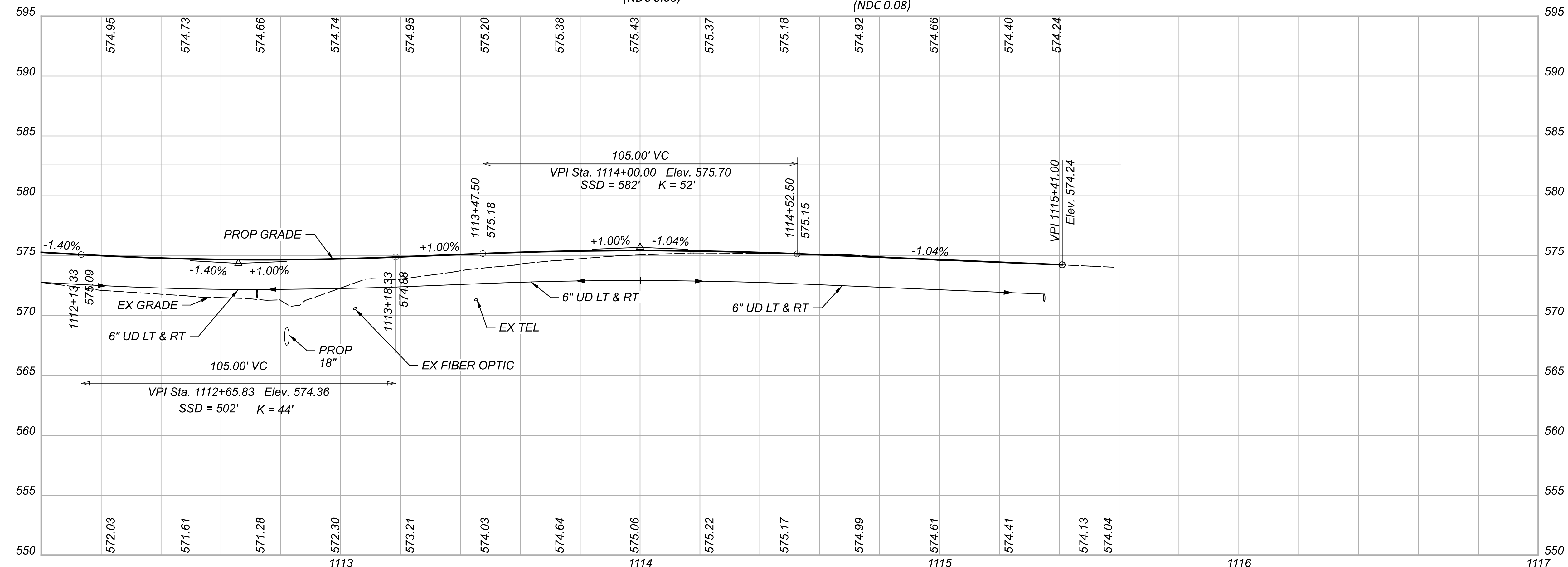
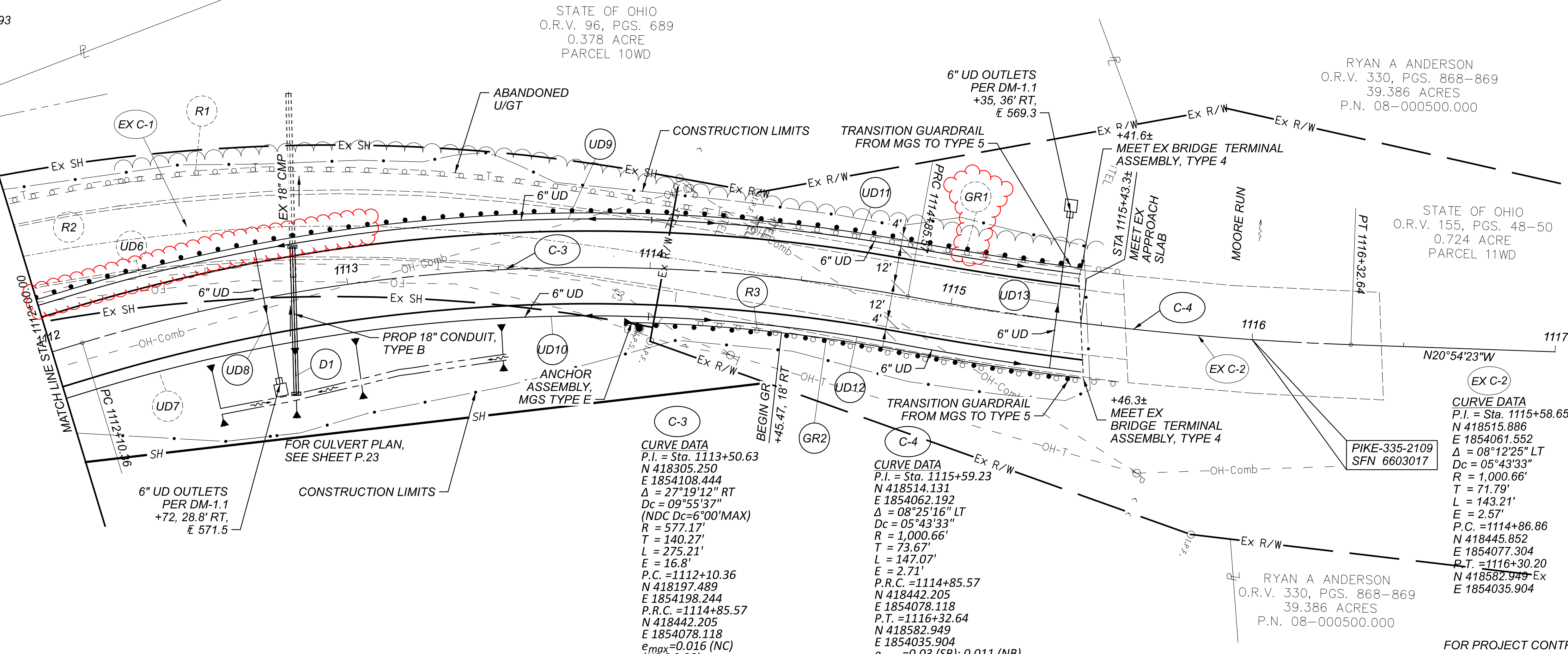
RYAN A ANDERSON
O.R.V. 330, PGS. 868-869
39.386 ACRES
P.N. 08-000500.000

STATE OF OHIO
O.R.V. 155, PGS. 48-50
0.724 ACRE
PARCEL 11WD

EX C-2
CURVE DATA
P.I. = Sta. 1115+58.65
N 418515.886
E 1854061.552
 $\Delta = 08^\circ 12' 25''$ LT
Dc = 05°43'33"
R = 1,000.66'
T = 71.79'
L = 143.21'
E = 2.57'
P.C. = 1114+86.86
N 418445.852
E 1854077.304
P.T. = 1116+30.20
N 418582.949
E 1854035.904

C-3
CURVE DATA
P.I. = Sta. 1113+50.63
N 418305.250
E 1854108.444
 $\Delta = 27^\circ 19' 12''$ RT
Dc = 09°55'37"
(NDC Dc=6°00' MAX)
R = 577.17'
T = 140.27'
L = 275.21'
E = 16.8'
P.C. = 1112+10.36
N 418197.489
E 1854198.244
P.R.C. = 1114+85.57
N 418442.205
E 1854078.118
 $e_{max} = 0.016$ (NC)
(NDC 0.08)

C-4
CURVE DATA
P.I. = Sta. 1115+59.23
N 418514.131
E 1854062.192
 $\Delta = 08^\circ 25' 16''$ LT
Dc = 05°43'33"
R = 1,000.66'
T = 73.67'
L = 147.07'
E = 2.71'
P.R.C. = 1114+85.57
N 418442.205
E 1854078.118
P.T. = 1116+32.64
N 418582.949
E 1854035.904
 $e_{max} = 0.03$ (SB); 0.011 (NB)
(NDC 0.08)

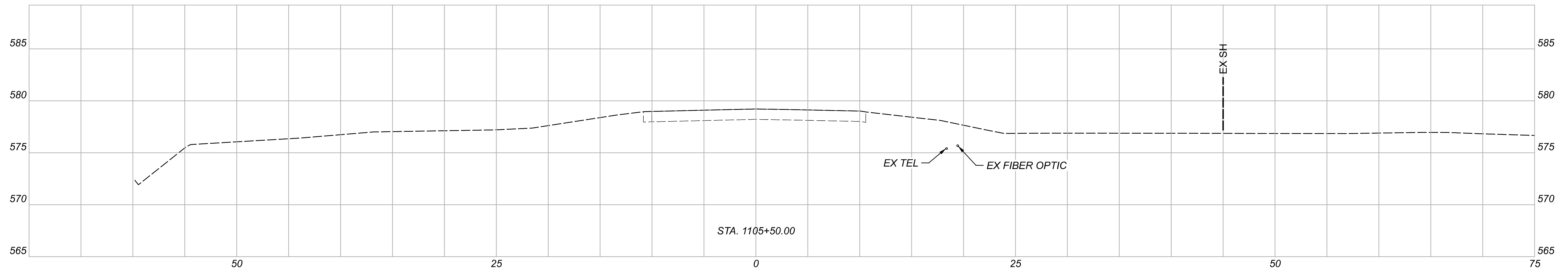
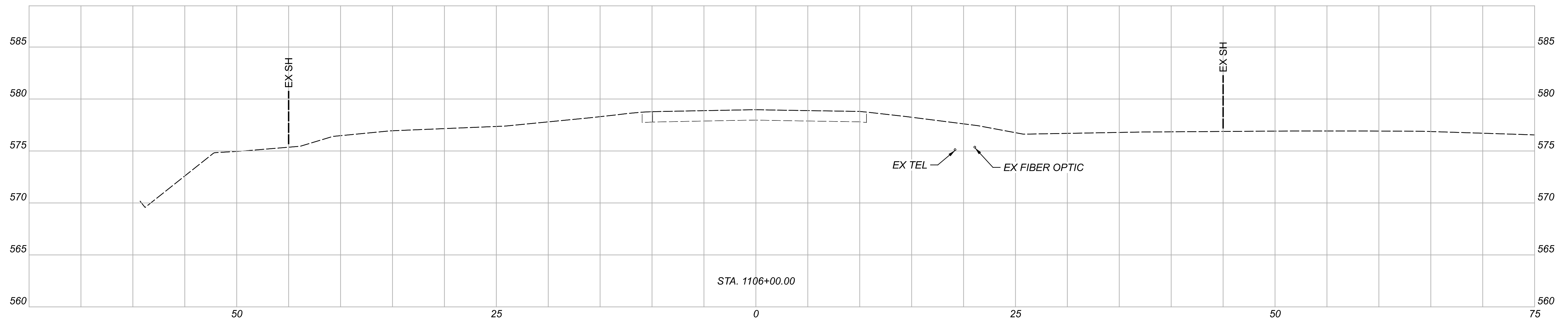
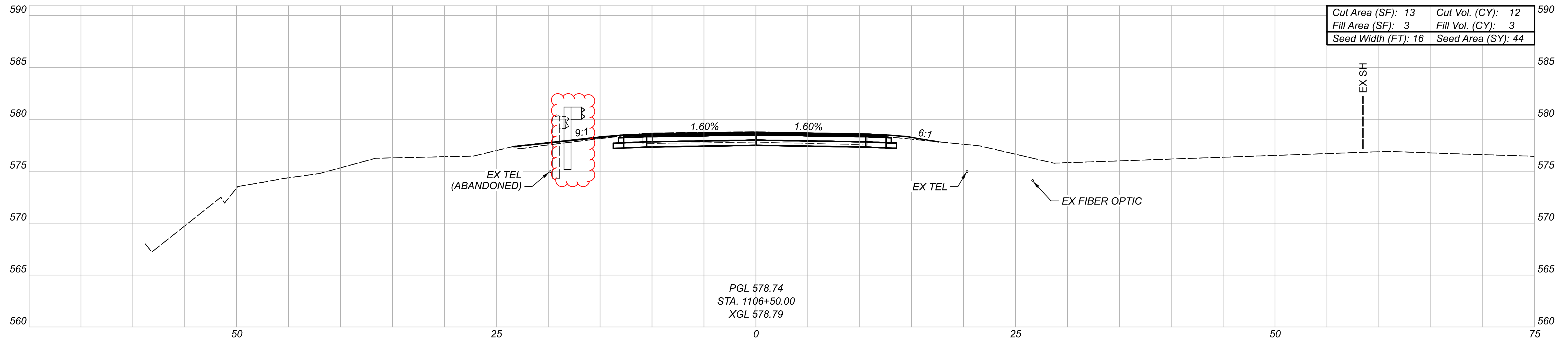


PLAN AND PROFILE
STA. 1112+00 TO STA 1117+00

DESIGN AGENCY



DESIGNER	SDC
REVIEWER	SCS 01/16/24
PROJECT ID	114173
SHEET	TOTAL
P.12	29



CROSS SECTIONS - SR 335
 STA 1105+50 TO STA 1106+50

DESIGN AGENCY



DESIGNER

SDC

REVIEWER

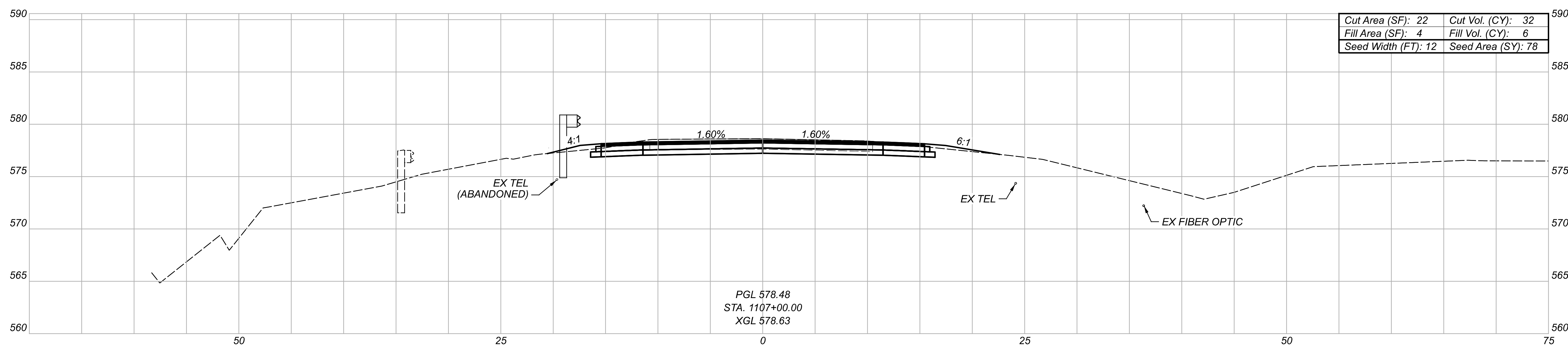
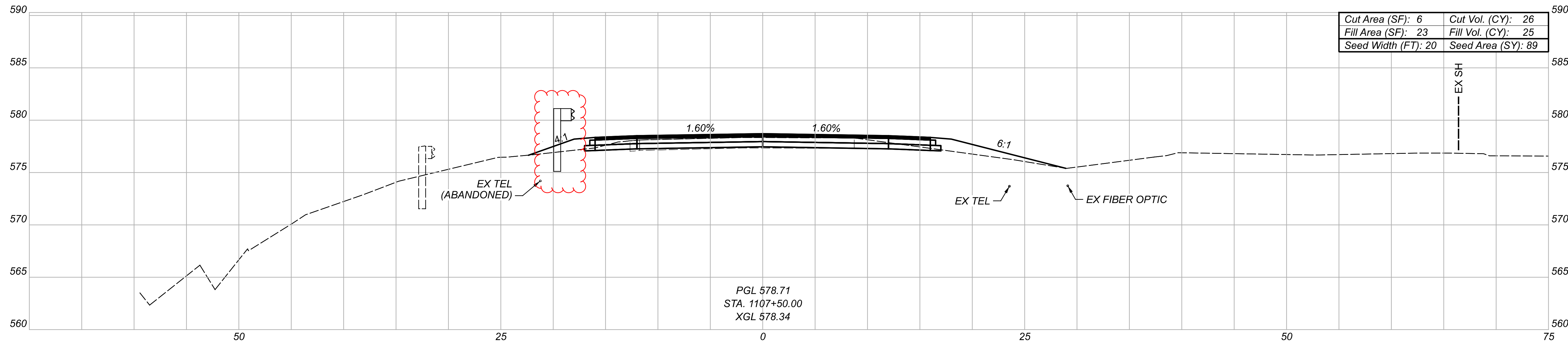
SCS 01/16/24

PROJECT ID

114173

Sheet Totals		
Seeding	Cut	Fill
44	12	3

SHEET	TOTAL
P.13	29



CROSS SECTIONS - SR 335
 STA 1107+00 TO STA 1107+50

DESIGN AGENCY



DESIGNER

SDC

REVIEWER

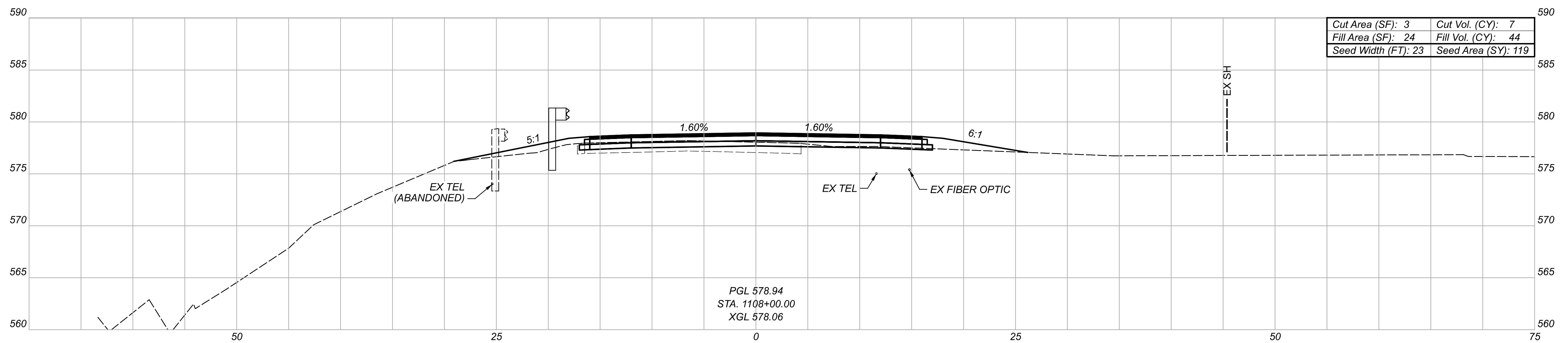
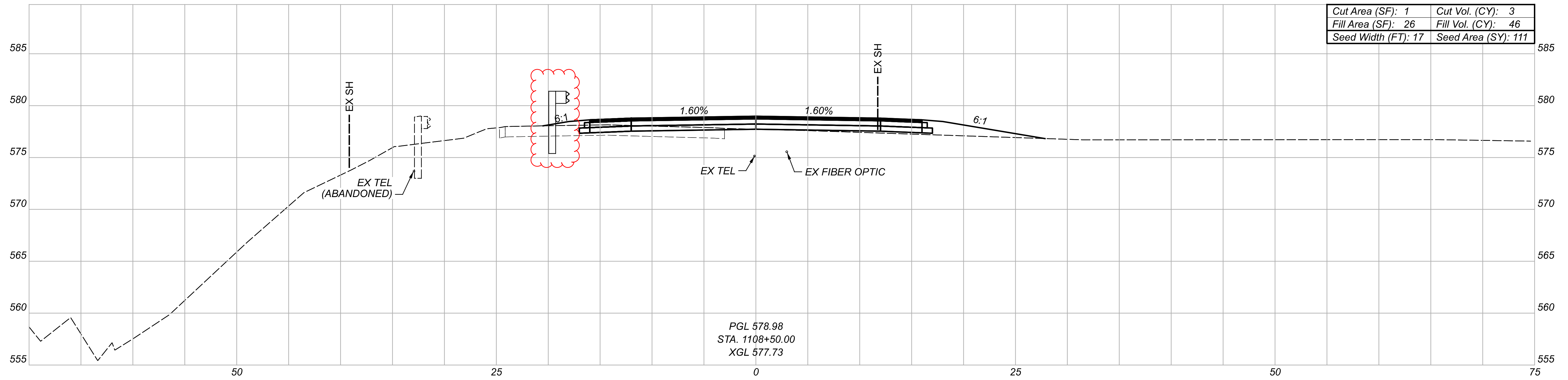
SCS 01/16/24

PROJECT ID

114173

Sheet Totals		
Seeding	Cut	Fill
167	58	31

SHEET	TOTAL
P.14	29



CROSS SECTIONS - SR 335
 STA 1108+00 TO STA 1108+50

DESIGN AGENCY



DESIGNER

SDC

REVIEWER

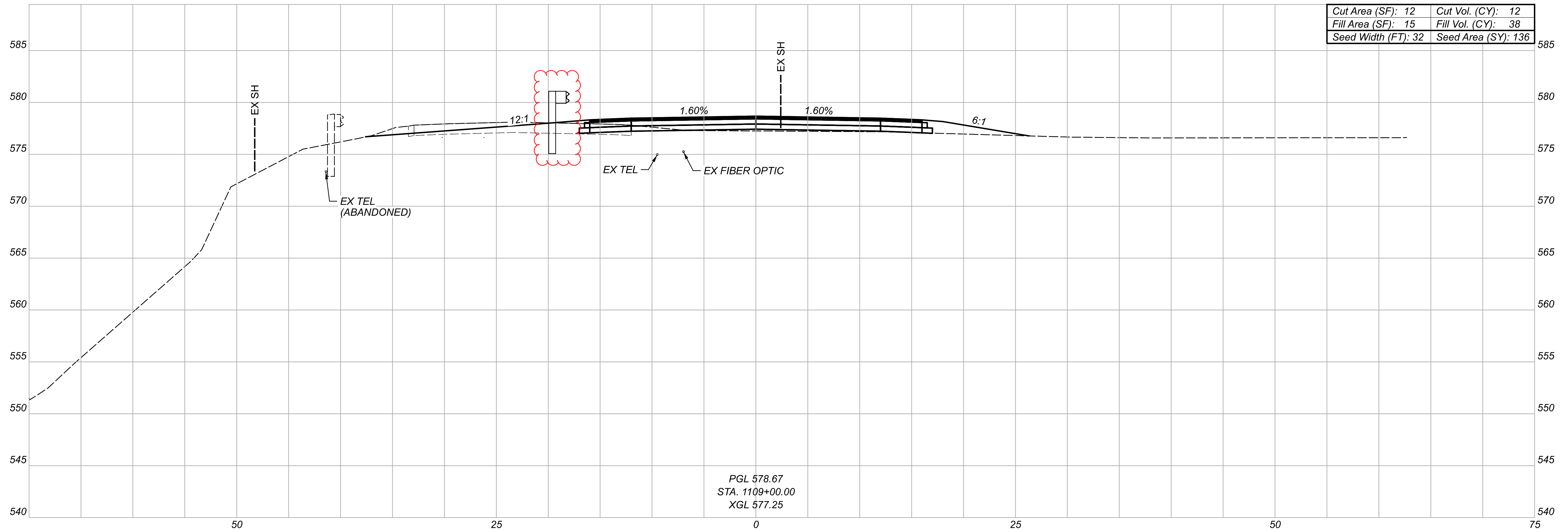
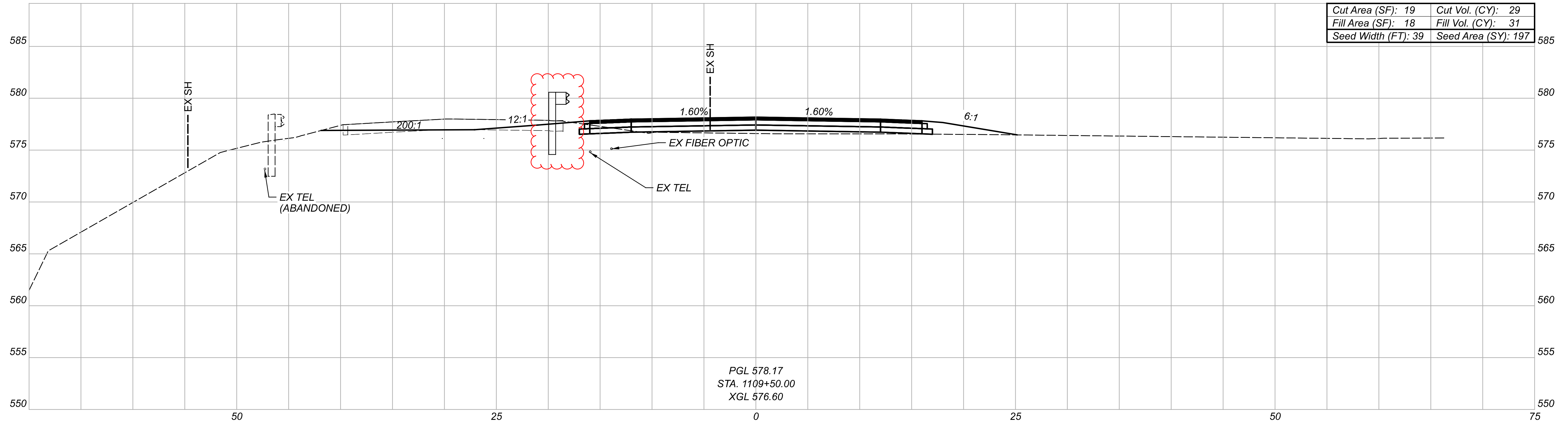
SCS 01/16/24

PROJECT ID

114173

Sheet Totals		
Seeding	Cut	Fill
230	10	90

SHEET	TOTAL
P.15	29



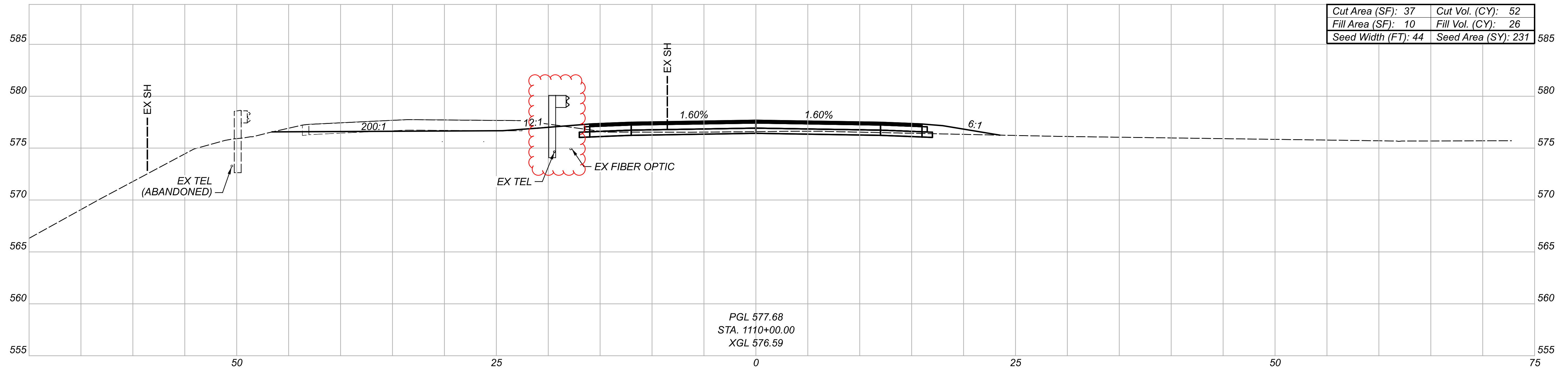
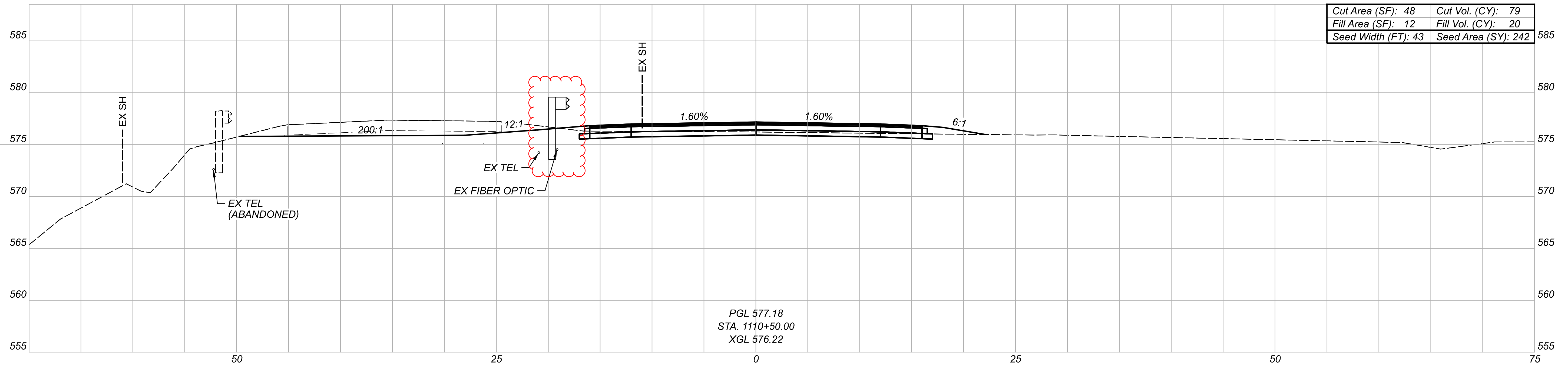
CROSS SECTIONS - SR 335
 STA 1109+00 TP 1109+50

DESIGN AGENCY



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 PROJECT ID
 114173

Sheet Totals			TOTAL	
Seeding	Cut	Fill	SHEET	TOTAL
333	41	69	P.16	29



CROSS SECTIONS - SR 335
STA 1110+00 TO STA 1110+50

DESIGN AGENCY



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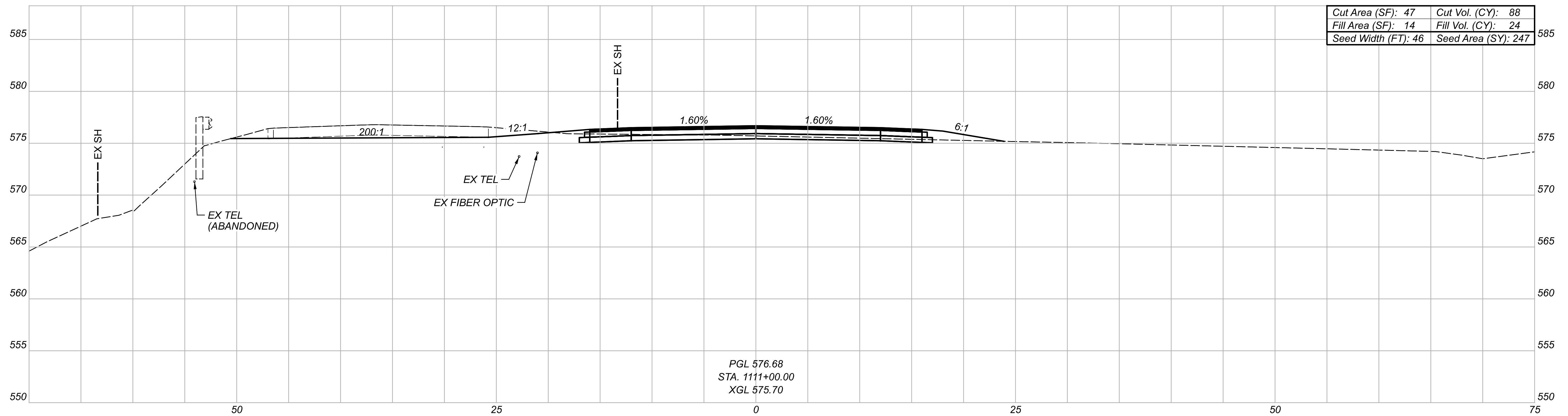
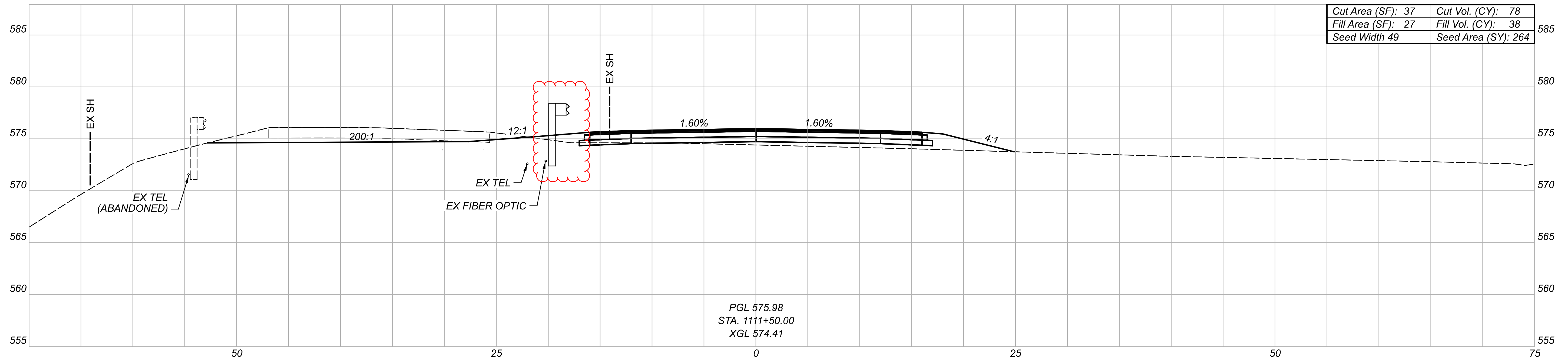
REVIEWER

SCS 01/16/24

PROJECT ID

114173

Sheet Totals			SHEET TOTAL	
Seeding	Cut	Fill	P.17	29
473	131	46		



CROSS SECTIONS - SR 335
 STA 1111+00 TO STA 1111+50

DESIGN AGENCY

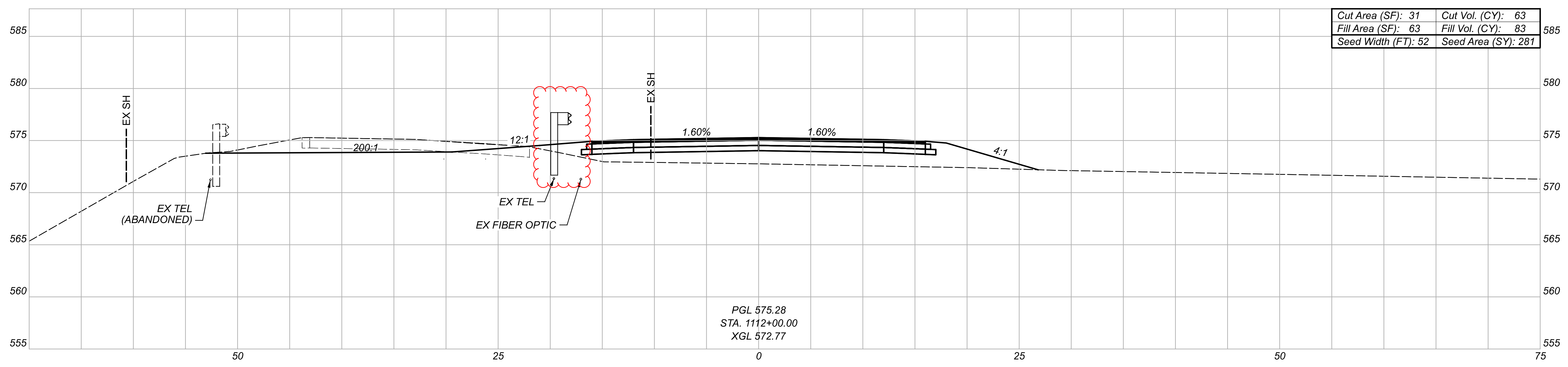
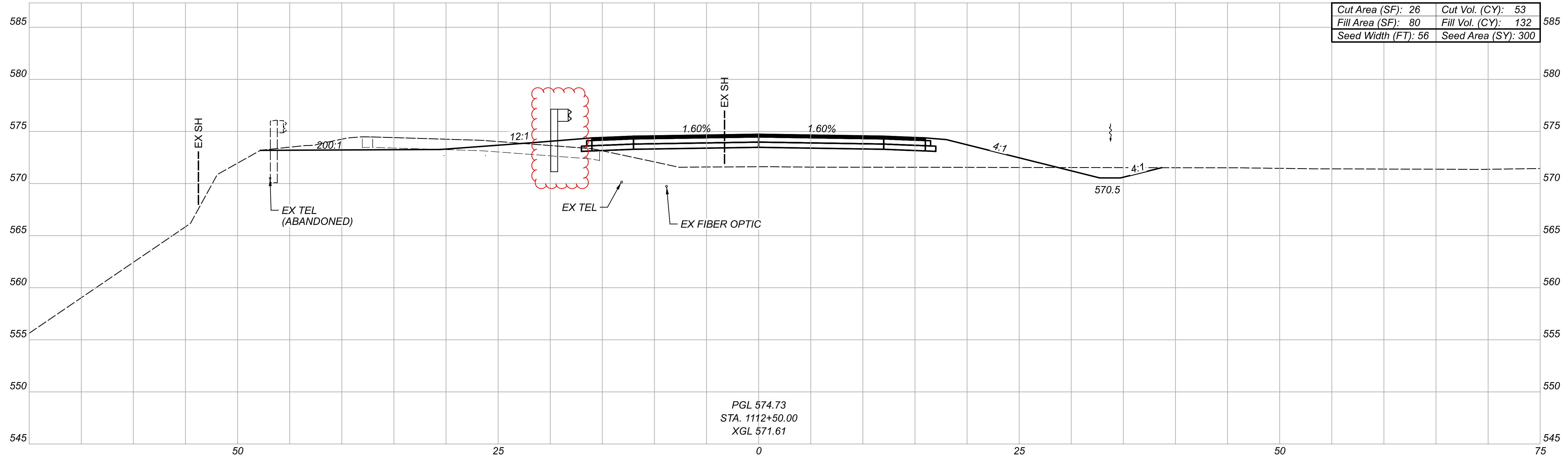


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PROJECT ID
114173

Sheet Totals			SHEET TOTAL	
Seeding	Cut	Fill	P.18	TOTAL
511	166	62		29



CROSS SECTIONS - SR 335
STA 1112+00 TO STA 1112+50

DESIGN AGENCY

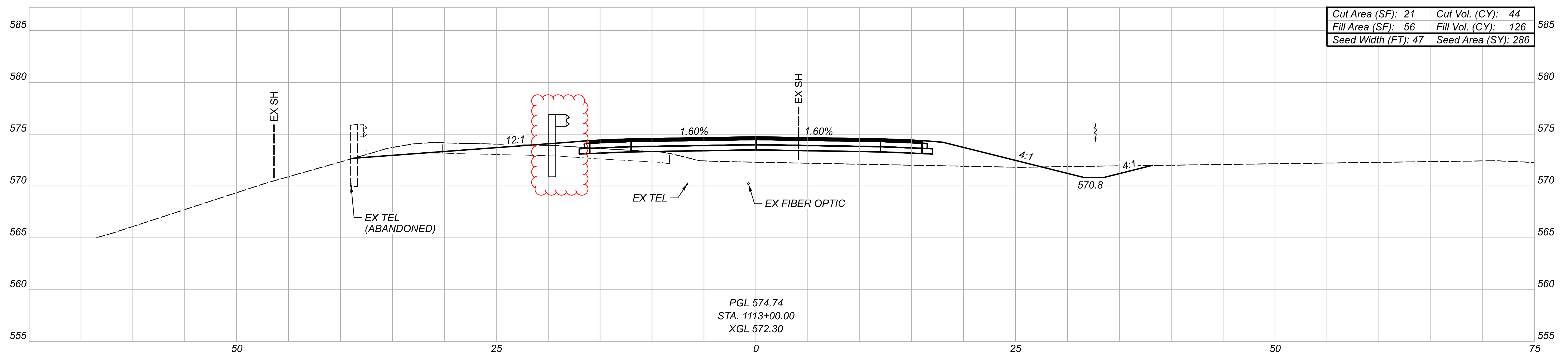
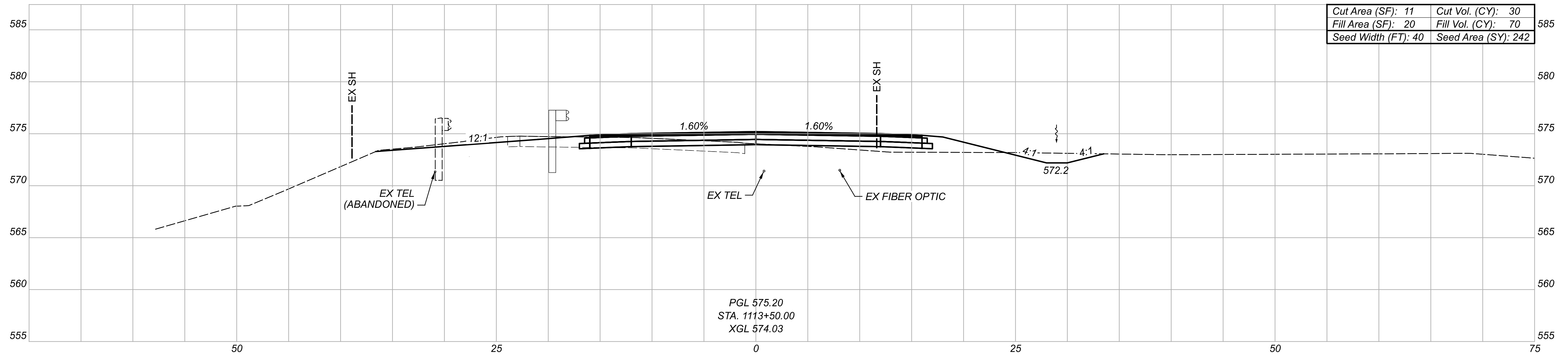


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PROJECT ID
114173

Sheet Totals			SHEET TOTAL	
Seeding	Cut	Fill	P.19	TOTAL
581	116	215		29



CROSS SECTIONS - SR 335
 STA 1113+00 TO STA 1113+50

DESIGN AGENCY



DESIGNER

SDC

REVIEWER

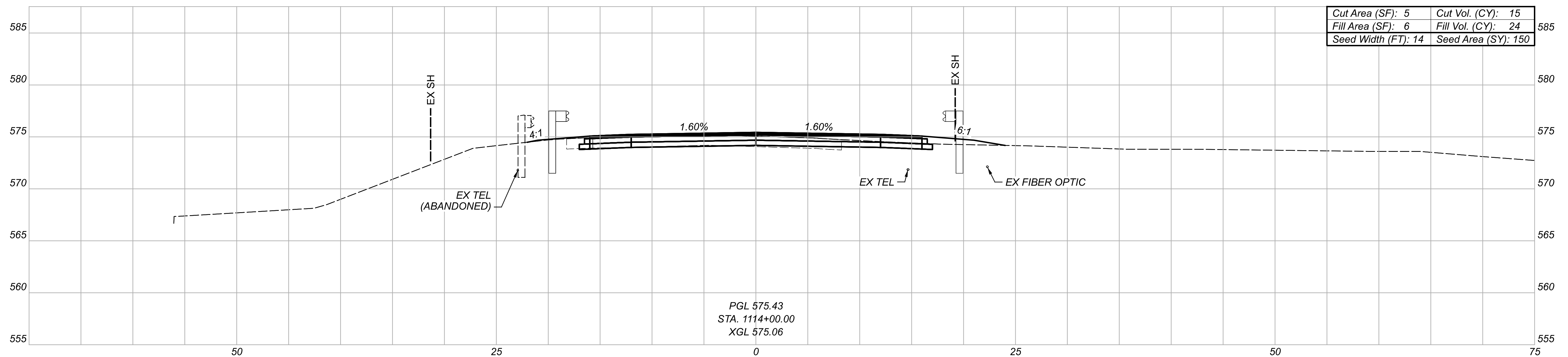
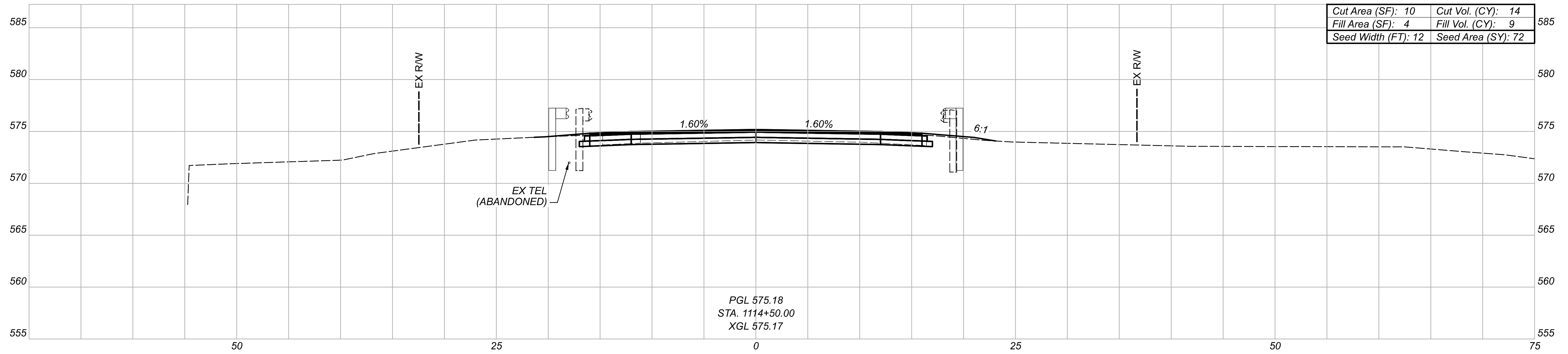
SCS 01/16/24

PROJECT ID

114173

Sheet Totals		
Seeding	Cut	Fill
528	74	196

SHEET	TOTAL
P.20	29



CROSS SECTIONS - SR 335
 STA 1114+00 TO STA 1114+50

DESIGN AGENCY

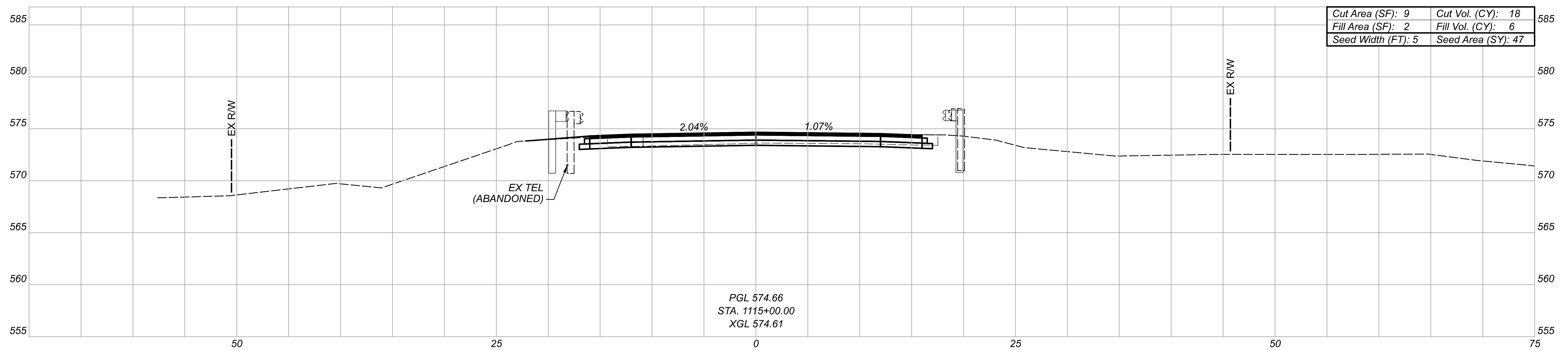
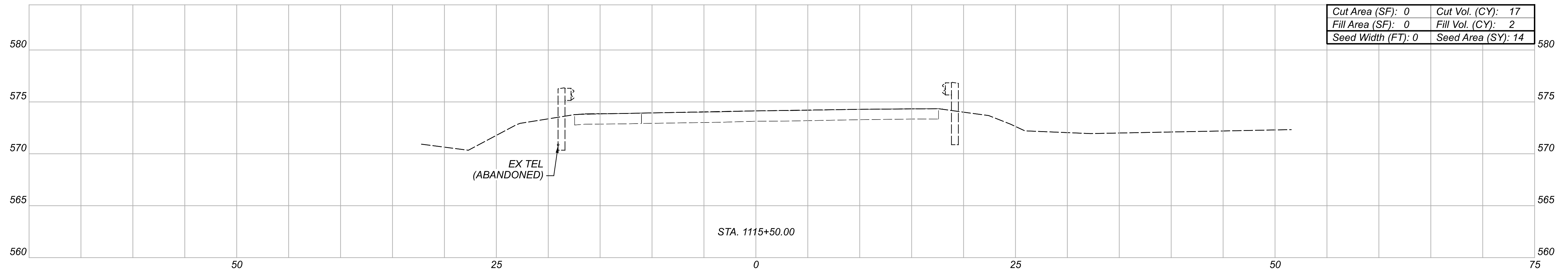
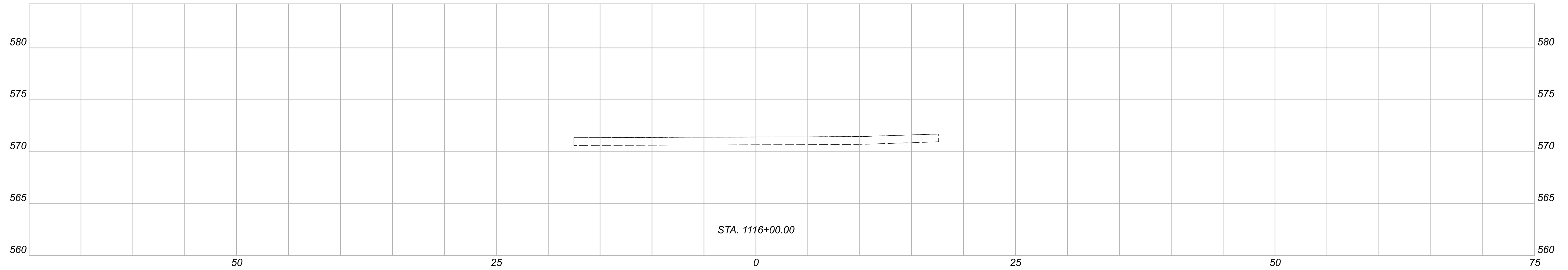


DESIGNER
 SDC

REVIEWER
 SCD 01/16/24

PROJECT ID
 114173

Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill		
222	29	33	P.21	29



PGL 574.66
 STA. 1115+00.00
 XGL 574.61

CROSS SECTIONS - SR 335
 STA 1115+00 TO STA 1116+00

DESIGN AGENCY



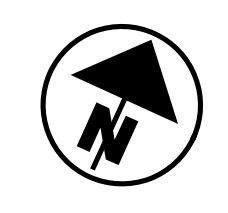
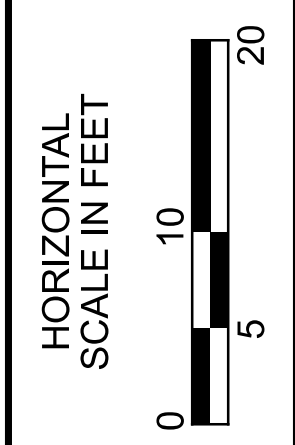
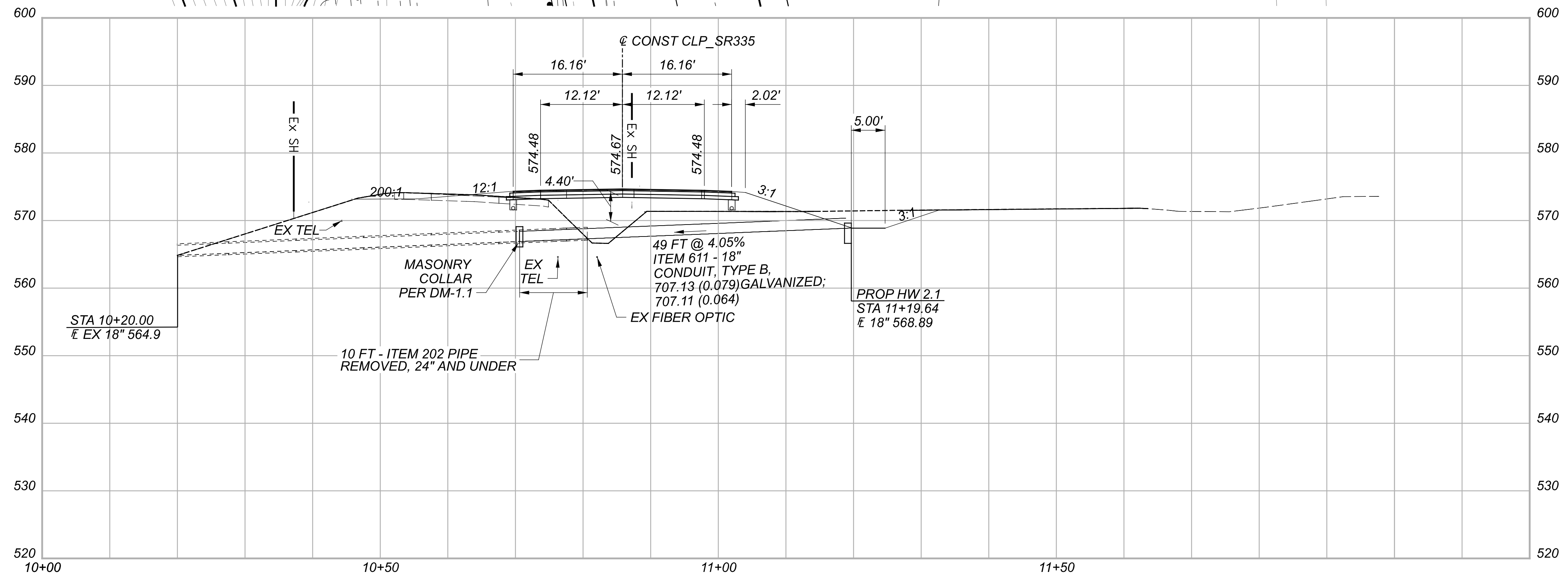
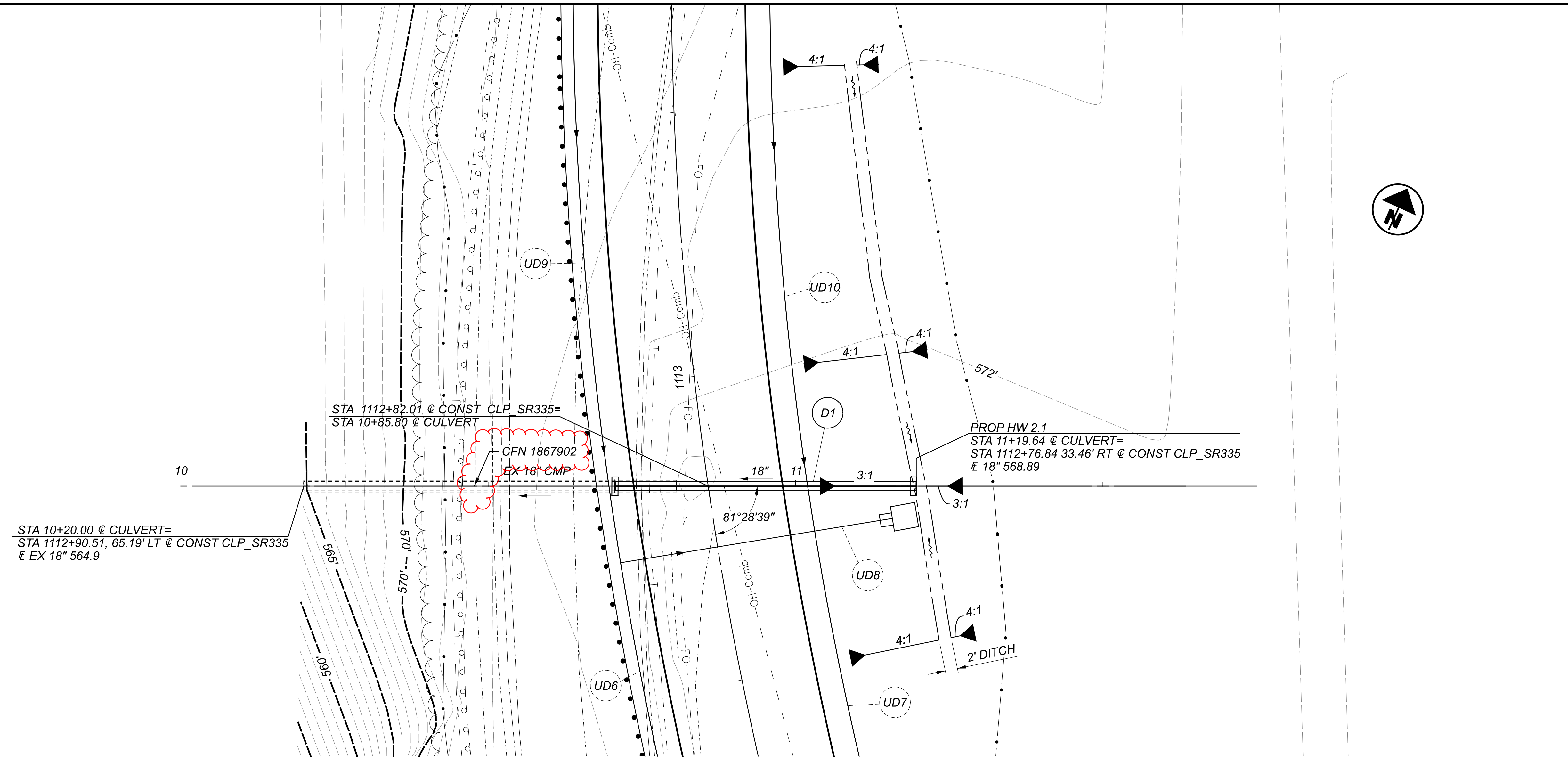
DESIGNER
 SDC

REVIEWER
 SCS 01/16/24

PROJECT ID
 114173

Project Totals			Sheet Totals		
Seeding	Cut	Fill	Seeding	Cut	Fill
3150	663	753	61	26	8

SHEET TOTAL
 P.22 29



CULVERT DETAIL
STA 1112+82.01, RT

DESIGN AGENCY



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SDC

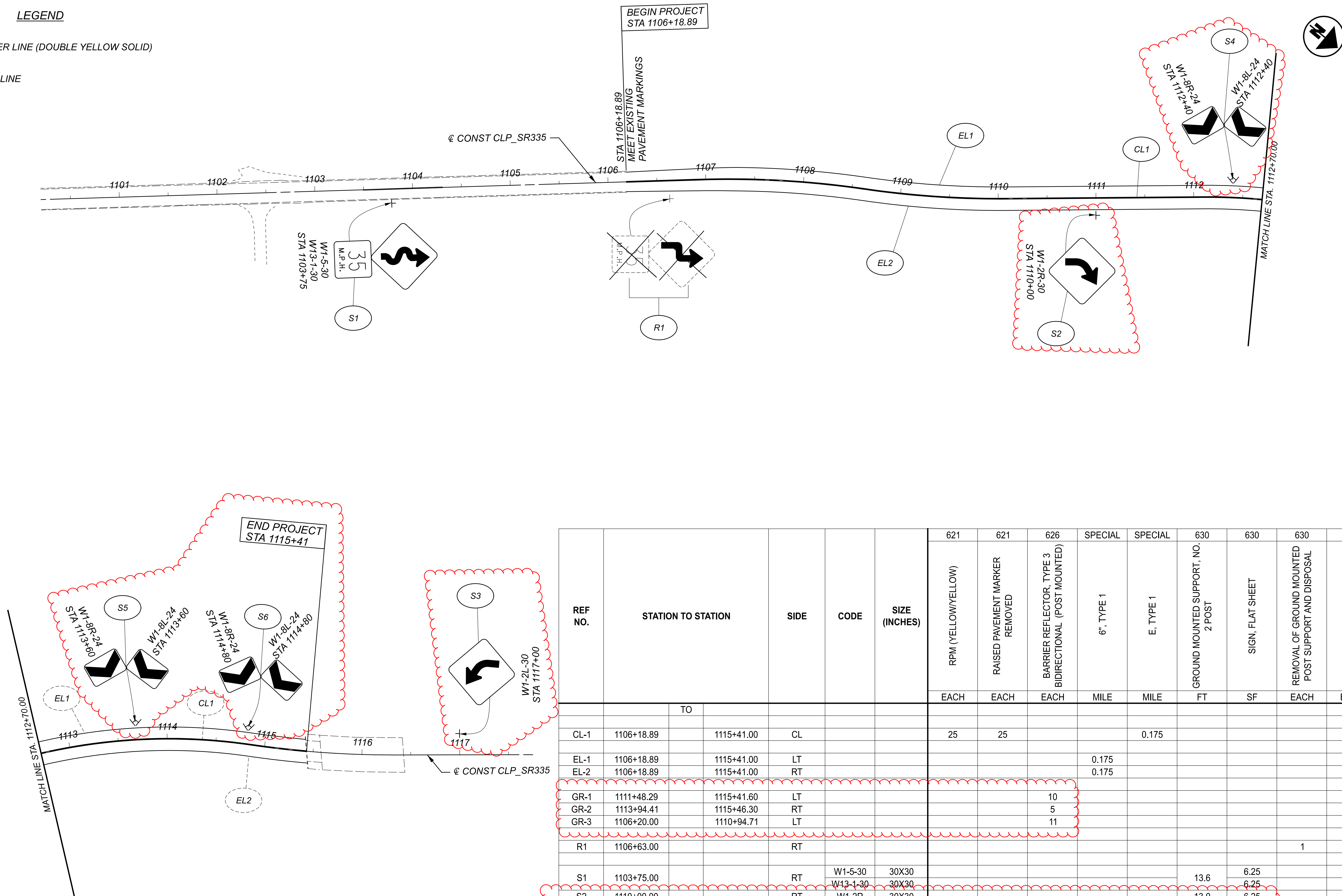
REVIEWER
SCS 01/16/24

PROJECT ID
114173

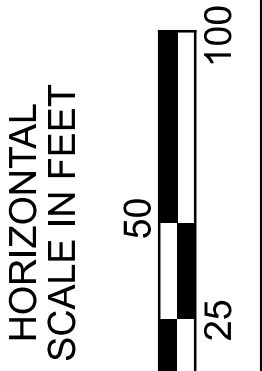
SHEET TOTAL
P.23 29

LEGEND

- CL# CENTER LINE (DOUBLE YELLOW SOLID)
- EL# EDGE LINE



REF NO.	STATION TO STATION	SIDE	CODE	SIZE (INCHES)	621	621	626	SPECIAL	SPECIAL	630	630	630	
					RPM (YELLOW/YELLOW)	RAISED PAVEMENT MARKER REMOVED	BARRIER REFLECTOR, TYPE 3 BIDIRECTIONAL (POST MOUNTED)	6" TYPE 1	E TYPE 1	GROUND MOUNTED SUPPORT, NO. 2 POST	SIGN, FLAT SHEET	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL
					EACH	EACH	EACH	MILE	MILE	FT	SF	EACH	EACH
	TO												
CL-1	1106+18.89	1115+41.00	CL		25	25			0.175				
EL-1	1106+18.89	1115+41.00	LT					0.175					
EL-2	1106+18.89	1115+41.00	RT					0.175					
GR-1	1111+48.29	1115+41.60	LT				10						
GR-2	1113+94.41	1115+46.30	RT				5						
GR-3	1106+20.00	1110+94.71	LT				11						
R1	1106+63.00		RT									1	2
S1	1103+75.00		RT	W1-5-30 W13-1-30	30X30 30X30					13.6	6.25		
S2	1110+00.00		RT	W1-2R	30X30					13.0	6.25		
S3	1117+00.00		LT	W1-2L	30X30					13.0	6.25		
S4	1112+40.00		LT	W1-8R W1-8L	18X24 18X24					25.0	3		
S5	1113+60.00		LT	W1-8R W1-8L	18X24 18X24					25.0	3		
S6	1114+80.00		LT	W1-8R W1-8L	18X24 18X24					25.0	3		
TOTALS CARRIED TO GENERAL SUMMARY							27	0.35	0.18	114.6	43.0	1	2



TRAFFIC CONTROL
 STA 1106+18.89 TO STA 1115+41

DESIGN AGENCY



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 SDC

REVIEWER
 SCS 01/16/24

PROJECT ID
 114173

SHEET TOTAL
 P.24 29