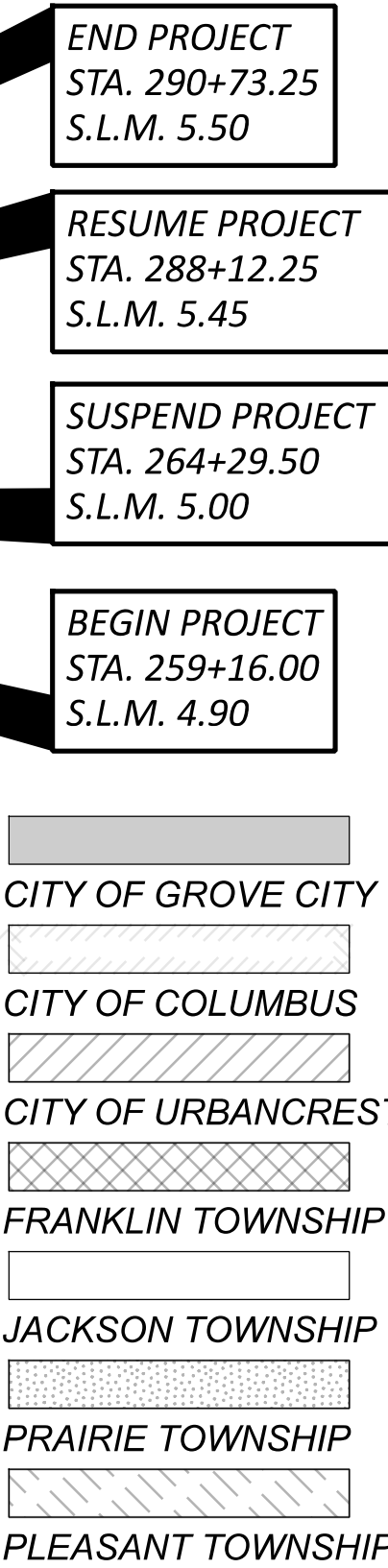
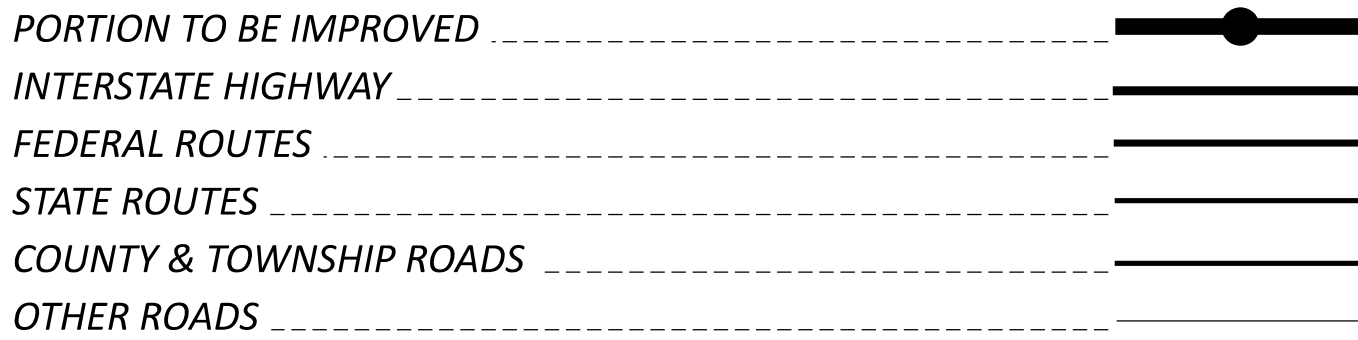




LOCATION MAP

LATITUDE: 39°52'02" N LONGITUDE: 83°06'23" W



DESIGN DESIGNATION

CURRENT ADT (2025)	9,868
DESIGN YEAR ADT (2045)	10,363
DESIGN HOURLY VOLUME (2045)	599
DIRECTIONAL DISTRIBUTION	52%
TRUCKS (24 HOUR B&C)	6%
DESIGN SPEED	60 MPH
LEGAL SPEED	55 MPH
DESIGN FUNCTIONAL CLASSIFICATION:	
03 PRINCIPAL ARTERIAL (URBAN)	
NHS PROJECT	NO

DESIGN EXCEPTIONS

NONE REQUIRED

ADA DESIGN WAIVERS

NONE REQUIRED

**UNDERGROUND UTILITIES**

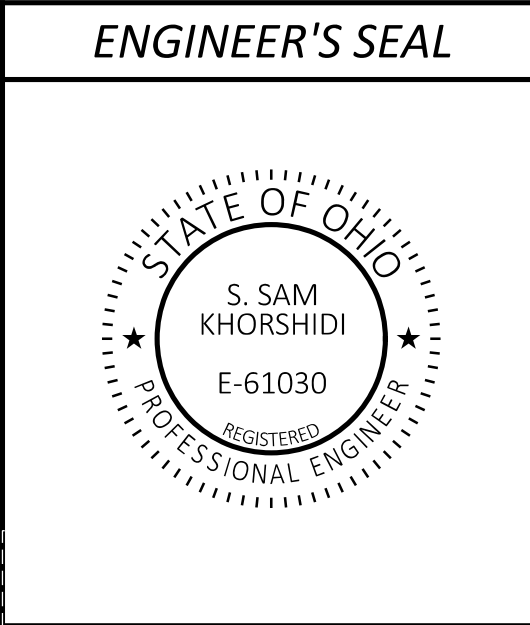
Contact Two Working Days  
Before You Dig

**OHIO811.org**  
Before You Dig

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



PLAN PREPARED BY:  
RESOURCE INTERNATIONAL INC.  
6350 PRESIDENTIAL GATEWAY  
COLUMBUS, OHIO 43231  
(614) 823-4949



STANDARD CONSTRUCTION DRAWINGS				CITY OF GROVE CITY SCD	SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
	MH-3	7/21/23				
BP-3.1	1/21/22				800	1/24/25
BP-3.2	1/18/19	MT-101.60	4/21/23		823	1/21/22
					832	7/21/23
CB-458A	7/16/21	TC-65.10	1/17/14			
		TC-65.11	7/15/22		902	7/19/19
HW-1.1	7/20/18					
HW-2.1	7/15/22					
HW-2.2	7/20/18					
MGS-1.1	7/16/21					
MGS-2.1	1/19/18					
MGS-4.2	1/17/25					
MGS-4.3	1/18/13					

STATE OF OHIO  
DEPARTMENT OF TRANSPORTATION

**FRA-62-4.90**

CITY OF GROVE CITY

JACKSON TOWNSHIP

FRANKLIN COUNTY

INDEX OF SHEETS:

TITLE SHEET	P.1
SCHEMATIC PLAN	P.2
TYPICAL SECTIONS	P.3
GENERAL NOTES	P.4 - P.5
MAINTENANCE OF TRAFFIC	P.6 - P.10
GENERAL SUMMARY	P.11 - P.12
PLAN - SYSTEM A	P.13 - P.14
CROSS SECTIONS - SYSTEM A	P.15 - P.18
PLAN - SYSTEM C	P.19
CROSS SECTIONS - SYSTEM C	P.20 - P.22
STORM SEWER PROFILES	P.23
SHARED-USE PATH DETAIL	P.24

FEDERAL PROJECT NUMBER

NONE

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

TWO DRAINAGE SYSTEMS ALONG US-62 ARE PROPOSED FOR IMPROVEMENT. SYSTEM A PROPOSED WORK ENTAILS CONSTRUCTING A MANHOLE TO ALLOW A BEND IN A 36" STORM RUN. THE OUTLETTING 36" PIPE AND THE 42" PIPE IT IS CONNECTED TO ARE TO BE REPLACED WITHOUT DISTURBING THEIR CONNECTING JUNCTION CHAMBER. FOR SYSTEM C, PLACE A NEW 24" PIPE RUN ON THE EAST SIDE OF US-62 FROM A CATCH BASIN TO AN EXISTING RETENTION POND.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	0.42 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	0.10 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	N/A (NOI NOT REQUIRED)

2023 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS, AND CHANGES LISTED IN 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 EXCEPT AS NOTED ON SHEET P.8, AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

Anthony C. Turowski, P.E.  
District 06 Deputy Director

Pamela Boratyn  
Director, Department of Transportation

DESIGN AGENCY

6350 PRESIDENTIAL GATEWAY  
COLUMBUS, OHIO 43231  
(614) 823-4949

DESIGNER

KSJ

REVIEWER

BBB 06-20-25

PROJECT ID

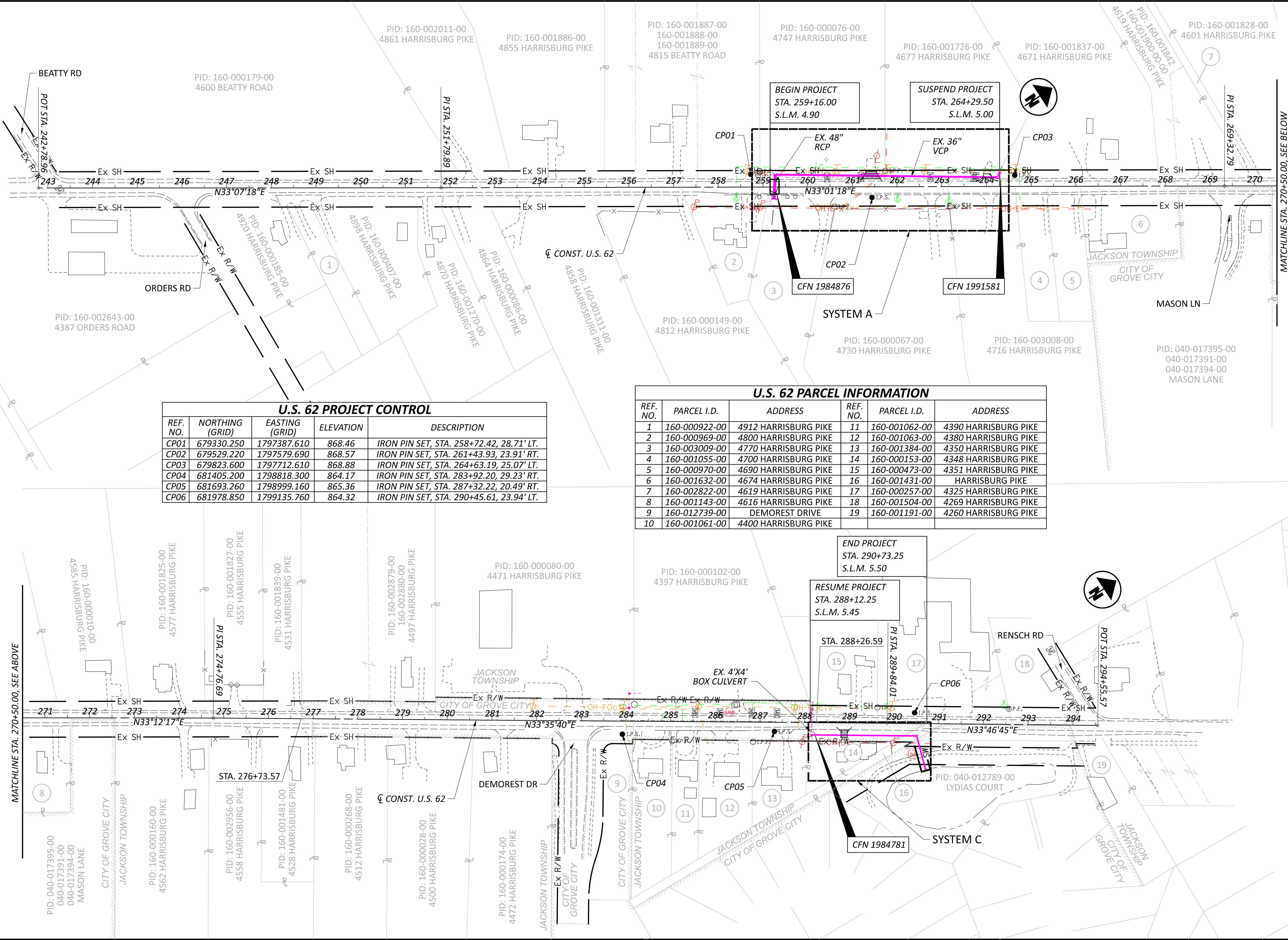
119042

SHEET

P.1

TOTAL

24



U.S. 62 PROJECT CONTROL				
REF. NO.	NORTHING (GRID)	EASTING (GRID)	ELEVATION	DESCRIPTION
CP01	679330.250	1797387.610	868.46	IRON PIN SET, STA. 258+72.42, 28.71' LT.
CP02	679529.220	1797579.690	868.57	IRON PIN SET, STA. 261+43.93, 23.91' RT.
CP03	679823.600	1797712.610	868.88	IRON PIN SET, STA. 264+63.19, 25.07' LT.
CP04	681405.200	1798818.300	864.17	IRON PIN SET, STA. 283+92.20, 29.23' RT.
CP05	681693.260	1798999.160	865.36	IRON PIN SET, STA. 287+32.22, 20.49' RT.
CP06	681978.850	1799135.760	864.32	IRON PIN SET, STA. 290+45.61, 23.94' LT.

U.S. 62 PARCEL INFORMATION					
REF. NO.	PARCEL I.D.	ADDRESS	REF. NO.	PARCEL I.D.	ADDRESS
1	160-000922-00	4912 HARRISBURG PIKE	11	160-001062-00	4390 HARRISBURG PIKE
2	160-000969-00	4800 HARRISBURG PIKE	12	160-001063-00	4380 HARRISBURG PIKE
3	160-003009-00	4770 HARRISBURG PIKE	13	160-001384-00	4350 HARRISBURG PIKE
4	160-001055-00	4700 HARRISBURG PIKE	14	160-000153-00	4348 HARRISBURG PIKE
5	160-000970-00	4690 HARRISBURG PIKE	15	160-000473-00	4351 HARRISBURG PIKE
6	160-001632-00	4674 HARRISBURG PIKE	16	160-001431-00	HARRISBURG PIKE
7	160-002822-00	4619 HARRISBURG PIKE	17	160-000257-00	4325 HARRISBURG PIKE
8	160-001143-00	4616 HARRISBURG PIKE	18	160-001504-00	4269 HARRISBURG PIKE
9	160-012739-00	DEMOREST DRIVE	19	160-001191-00	4260 HARRISBURG PIKE
10	160-001061-00	4400 HARRISBURG PIKE			

**NOTE:**

PROPOSED PAVEMENT CROSS SLOPES AT THIS LOCATION TO REMAIN THE SAME AS EXISTING.

**\* SAFETY EDGE:**

SAFETY EDGES ARE REQUIRED AT THE OUTSIDE EDGES OF THE PAVED SHOULDER AT LOCATIONS DESIGNATED IN THIS PLAN.

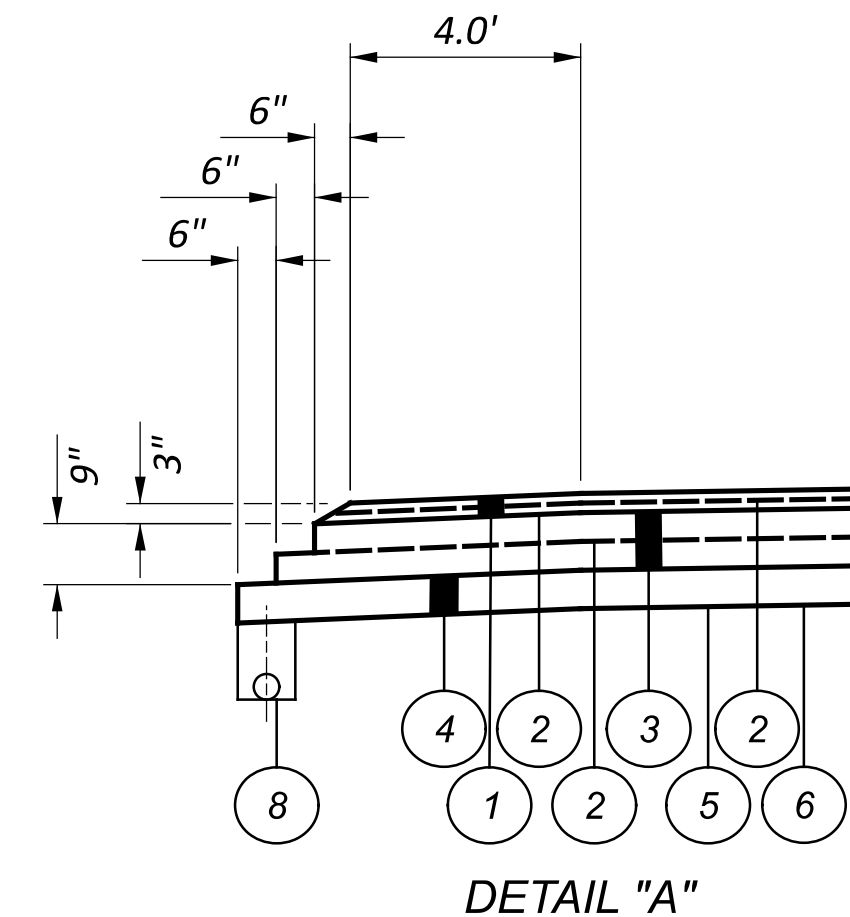
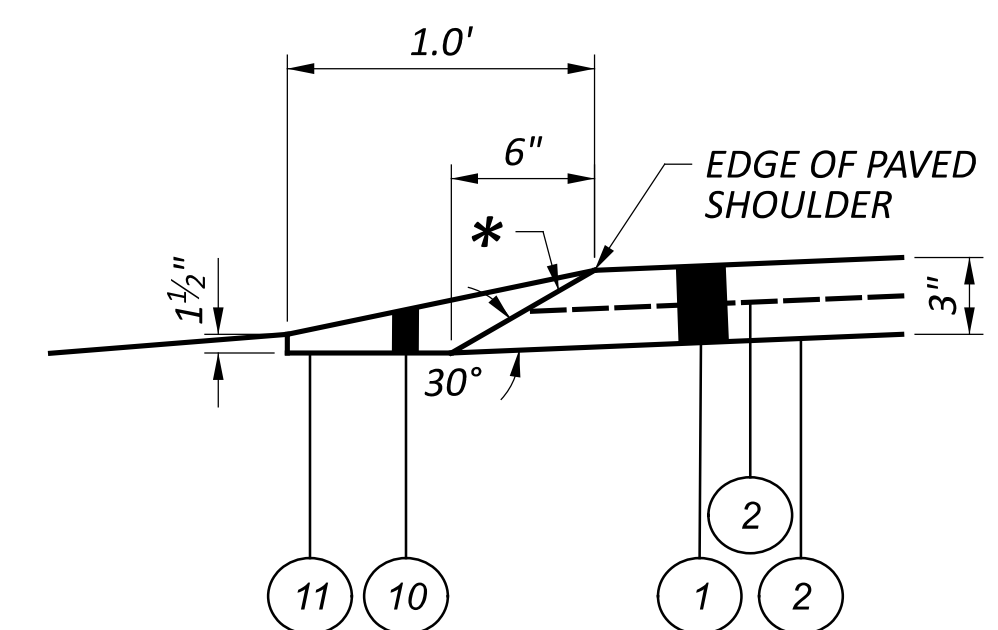
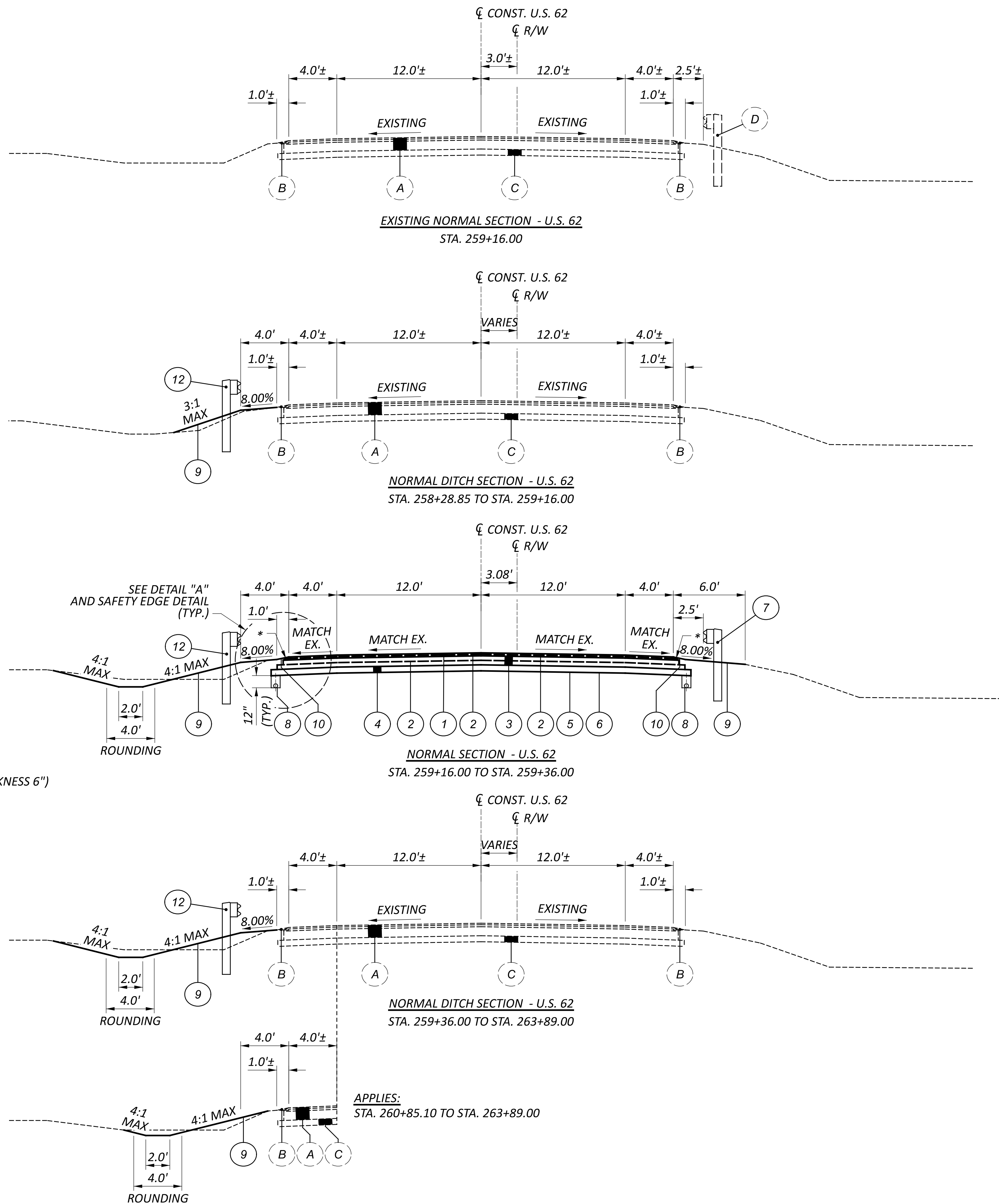
CONSTRUCT A SAFETY EDGE TO A TOTAL DEPTH OF 3" AS DETAILED.

BLADE AND SHAPE SHOULDER MATERIAL PER ITEM 209 PREPARING SUBGRADE FOR SHOULDER PAVING, AS PER PLAN TO FORM A UNIFORM SURFACE UNDER THE SAFETY EDGE PRIOR TO PLACEMENT OF THE ASPHALT CONCRETE SURFACE COURSES.

QUANTITIES ARE BASED ON AN IDEAL SAFETY EDGE ANGLE OF 30° PRODUCING A WIDTH OF APPROX. 6". ACTUAL ANGLE OF PROPOSED SAFETY EDGE SHALL NOT EXCEED 40°.

**PROPOSED LEGEND**

- |    |   |
|----|---|
| 1  | ITEM 441 - 3" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449) (2 LIFTS MINIMUM THICKNESS 1.25"; MAXIMUM THICKNESS 2"; BINDER TYPE PG64-22) |
| 2  | ITEM 407 - NON-TRACKING TACK COAT (REFERENCE CMS TABLE 407.06-1 FOR APPLICATION RATES)  |
| 3  | ITEM 301 - 9" ASPHALT CONCRETE BASE, PG 64-22, (449) (2 LIFTS MINIMUM THICKNESS 3"; MAXIMUM THICKNESS 6")                                 |
| 4  | ITEM 304 - 6" AGGREGATE BASE  |
| 5  | ITEM 204 - PROOF ROLLING  |
| 6  | ITEM 204 - SUBGRADE COMPACTION  |
| 7  | ITEM 606 - GUARDRAIL, TYPE MGS  |
| 8  | ITEM 605 - 4" BASE PIPE UNDERDRAINS   |
| 9  | ITEM 659 - SEEDING & MULCHING   |
| 10 | ITEM 617 - COMPACTED AGGREGATE (2½")  |
| 11 | ITEM 209 - PREPARING SUBGRADE FOR SHOULDER PAVING, AS PER PLAN  |
| 12 | ITEM 606 - GUARDRAIL, TYPE MGS WITH LONG POSTS  |

**EXISTING LEGEND**

- |     |                                  |
|-----|----------------------------------|
| (A) | EXISTING ASPHALT CONCRETE (11"±) |
| (B) | EXISTING COMPACTED AGGREGATE     |
| (C) | EXISTING AGGREGATE BASE (6"±)    |
| (D) | EXISTING GUARDRAIL               |

UTILITIES

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

ELECTRIC	ELECTRIC
AEP 777 HOPEWELL DR HEATH, OH 43056 PAUL PAXTON 740.348.5322 ptpaxton@aep.com	AT&T 111 N 4 <sup>TH</sup> ST COLUMBUS, OH 43215 DONALD MARSHALL 614.216.2396 G01553@att.com
CABLE	TELEPHONE
CHARTER/SPECTRUM 3760 INTERCHANGE RD COLUMBUS, OH 43204 DL-MOH-CONSTRUCTION -FRELO-TEAM@charter.com	VERIZON BUSINESS 757 COMMERCE CT LEWIS CENTER, OH 43035 MAURICE JONES 614.593.6685 vz.net.columbus@verizon.com
CABLE	FRANKLIN COUNTY
BREEZELINE 3675 CORPORATE DR COLUMBUS, OH 43231 DL_CMHFR@ATLANTICBB.COM jborreson@breezeline.com	FRANKLIN COUNTY SANITARY ENGINEERS 280 E BROAD ST, STE 201 COLUMBUS, OH 43215 STEPHEN RENNER 614.525.5850 sarenner@franklincountyohio.gov
GAS	
COLUMBIA GAS OF OHIO 3550 JOHNNY APPLESEED CT COLUMBUS, OH 43231 ROB CALDWELL 614.818.2104 rcaldwell@nisource.com	

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.

SURVEYING PARAMETERS

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE SHEET P.2 OF THE PLANS FOR A TABLE CONTAINING PROJECT CONTROL INFORMATION.

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

PROJECT CONTROL	
POSITIONING METHOD:	ODOT VRS
MONUMENT TYPE:	REBAR SET
VERTICAL POSITIONING	
ORTHOMETRIC HEIGHT DATUM:	NAVD88
GEOID:	GEOID18
HORIZONTAL POSITIONING	
REFERENCE FRAME:	NAD83(2011)
ELLIPSOID:	GRS80
MAP PROJECTION:	LAMBERT CONFORMAL CONIC 2 PARALLEL
COORDINATE SYSTEM:	OHIO OH83-SF (GRID)
COMBINED SCALE FACTOR:	1.00006820
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.

CROSSINGS AND CONNECTIONS TO EXISTING PIPES AND UTILITIES

WHERE PLANS PROVIDE FOR A PROPOSED CONDUIT TO BE CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY, LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING TO LAY THE PROPOSED CONDUIT.

IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT, OR EXISTING APPURTENANCE TO BE CONNECTED, DIFFERS FROM THE PLAN ELEVATION OR RESULTS IN A CHANGE IN THE PLAN CONDUIT SLOPE, NOTIFY THE ENGINEER BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.

IF IT IS DETERMINED THAT THE PROPOSED CONDUIT WILL INTERSECT AN EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, NOTIFY THE ENGINEER BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY.

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

EXISTING SUBSURFACE DRAINAGE

PROVIDE UNOBSTRUCTED OUTLETS FOR ALL EXISTING UNDERDRAINS OR AGGREGATE DRAINS ENCOUNTERED DURING CONSTRUCTION.

PROVIDE AN OUTLET PER STANDARD CONSTRUCTION DRAWING DM-1.1 FOR ALL UNDERDRAINS THAT OUTLET TO A SLOPE. UNDERDRAINS THAT CAN BE CONNECTED TO THE NEW OR EXISTING UNDERDRAINS AT THE END OF THE PROJECT LIMITS AS WELL AS ALL NECESSARY BENDS OR BRANCHES REQUIRED FOR CONNECTION ARE INCLUDED IN THE BASIS OF PAYMENT FOR UNCLASSIFIED PIPE UNDERDRAINS.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE:

ITEM 601, TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT	2 SY.
ITEM 605, 4" UNCLASSIFIED PIPE UNDERDRAINS	50 FT.
ITEM 605, AGGREGATE DRAINS	50 FT.
ITEM 611, 4" CONDUIT, TYPE F	20 FT.
ITEM 611, PRECAST REINFORCED CONCRETE OUTLET	2 EACH

ITEM SPECIAL - FILL AND PLUG EXISTING CONDUIT

THIS ITEM CONSISTS OF THE CONSTRUCTION OF BULKHEADS IN AN EXISTING 36-INCH DIAMETER CONDUIT AND FILLING THE AREA SEALED OFF WITH ITEM 613, SAND OR OTHER MATERIAL APPROVED BY THE ENGINEER.

LOCATE THE BULKHEADS AT THE LIMITS OF THE AREA TO BE FILLED, AS INDICATED ON THE PLANS. THE BULKHEADS CONSIST OF BRICK OR CONCRETE MASONRY WITH A MINIMUM THICKNESS OF 12 INCHES.

PUMP THE FILL MATERIAL INTO PLACE OR BY OTHER MEANS APPROVED BY THE ENGINEER, SO THAT AFTER SETTLEMENT, AT LEAST 90 PERCENT OF THE CROSS-SECTIONAL AREA OF THE CONDUIT, FOR ITS ENTIRE LENGTH IS FILLED. THE LENGTH OF FILLED AND PLUGGED CONDUIT TO BE PAID FOR IS THE ACTUAL NUMBER OF FEET (MEASURED ALONG THE CENTERLINE OF EACH CONDUIT FROM OUTER FACE TO OUTER FACE OF BULKHEADS) FILLED AND PLUGGED AS DESCRIBED ABOVE.

SEEDING AND MULCHING

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

659, SOIL ANALYSIS TEST	2 EACH
659, TOPSOIL	162 CU. YD.
659, SEEDING AND MULCHING	1451 SQ. YD.
659, REPAIR SEEDING AND MULCHING	73 SQ. YD.
659, INTER-SEEDING	73 SQ. YD.
659, COMMERCIAL FERTILIZER	0.2 TON
659, LIME	0.3 ACRES
659, WATER	3.9 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.

DRAINAGE DISCHARGE CONTINUANCE

FURNISH A DRAINAGE DISCHARGE CONTINUANCE FOR ANY DRAINAGE DISCHARGE DISTURBED BY THE WORK AND NOT SHOWN IN PLANS. THE LOCATION, TYPE (CONDUIT OR SWALE), SIZE AND GRADE OF THE DRAINAGE DISCHARGE CONTINUANCE WILL BE AGREED TO BY THE ENGINEER.

FURNISH AN INSPECTION WELL AT THE RIGHT OF WAY LINE IN ACCORDANCE WITH SCD DM-3.1 FOR EACH DRAINAGE DISCHARGE THAT OUTLETS THROUGH A CURB OPENING, OR INTO A STORM SEWER OR DRAINAGE STRUCTURE. THE COST IS INCLUDED IN ITEM 611, INSPECTION WELL.

DRAINAGE DISCHARGE CONTINUANCE (CONT'D)

FURNISH A WELL GRADED TRANSITION BETWEEN THE DITCH AND THE SWALEWHEN OUTLETTING A SWALE TO A DITCH. THE COST FOR THE GRADED TRANSITION IS INCLUDED IN ITEM 203, EMBANKMENT AS PER PLAN.

FURNISH AN EROSION CONTROL PAD AS SHOWN IN SCD DM-1.1 WHEN OUTLETTING A CONDUIT TO A DITCH. THE COST FOR THE EROSION CONTROL PAD IS INCLUDED IN ITEM 611, CONDUIT, MISC.: TYPE 1 FOR DRAINAGE DISCHARGE CONTINUANCE.

DOCUMENTATION  
THE CONTRACTOR SHALL FURNISH WRITTEN DOCUMENTATION TO THE ENGINEER AND TO THE DISTRICT R/W PERMIT OFFICE. THE DOCUMENTATION INCLUDES THE CONSTRUCTION PROJECT NUMBER, PID, COUNTY, ROUTE, SECTION, LATITUDE AND LONGITUDE OF THE DRAINAGE DISCHARGE AT THE R/W, THE NAME OF PROPERTY OWNER WITH ADDRESS, THE DATE THE DRAINAGE DISCHARGE WAS LOCATED, THE DATE THE DRAINAGE DISCHARGE CONTINUANCE WAS FURNISHED, A DETAILED DESCRIPTION OF THE WORK AND PICTURES OF THE DRAINAGE DISCHARGE CONTINUANCE (IN PDF OR JPEG FORMAT). THE DOCUMENTATION IS INCLUDED IN ITEM 611, CONDUIT, MISC.: TYPE F FOR DRAINAGE DISCHARGE CONTINUANCE OR ITEM 203, EMBANKMENT, AS PER PLAN.

DRAINAGE DISCHARGE CONTINUANCE REMOVAL  
THE ENGINEER MAY REQUIRE THE NEWLY INSTALLED DRAINAGE DISCHARGE CONTINUANCE TO BE REMOVED.

REMOVE THE NEWLY INSTALLED CONDUIT AND ANY EXISTING CONDUIT TO THE RIGHT OF WAY LINE. FOR CONDUIT THAT OUTLETS THROUGH THE CURB RESTORE THE CURB FILLING THYE HOLE WITH CLASS QC 1 CONCRETE OR REPLACE THE CURB SECTION. FOR CONDUIT THAT OUTLETS TO A STORM SEWER OR DRAINAGE STRUCTURE LEAVE 6 INCHES PROTRUDING CONDUIT WITH EITHER A MANUFACTURED CAP OR CLASS QC 1 CONCRETE. FOR CONDUIT THAT OUTLETS TO THE DITCH REMOVE THE EROSION CONTROL PAD. RESTORE ALL AREAS AS REQUIRED. PLUG THE EXISTING CONDUIT REGARDLESS OF SIZE AT THE RIGHT OF WAY LINE WITH CLASS QC 1 CONCRETE AND RESTORE ALL AREAS AS REQUIRED. ALL COSTS ARE INCLUDED IN ITEM 202, REMOVAL MISC. CONDUIT.

DAM THE SWALE THAT OUTLETS TO THE DITCH AT THE R/W AS DIRECTED BY THE ENGINEER. ALL COSTS ARE INCLUDED IN ITEM 203, EMBANKMENT, AS PER PLAN.

REMOVE THE INSPECTION WELL AND RESTORE ALL AREAS AS REQUIRED. THE COST IS INCLUDED IN ITEM 202, REMOVAL MISC.: INSPECTION WELL.

CONDUIT MATERIAL TYPES  
THE FOLLOWING CONDUIT MATERIAL TYPES ARE PERMITTED:  
707.33, 707.41 NON-PERFORATED, 707.42, 707.43, 707.45, 707.46, 707.47, 707.51, AND 707.52 SDR35.

PAY ITEMS  
EACH OF THE PAY ITEMS LISTED BELOW FOR CONDUIT MISCELLANEOUS TYPES B, C, E, AND F FOR DRAINAGE DISCHGARGE CONTINUANCE INCLUDE CONDUIT SIZES 2 INCHES TO 10 INCHES. THERE IS NO COST DIFFERENTIATION FOR SIZE IN THESE PAY ITEMS.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER IN MAKING THE ABOVE DRAINAGE DISCHARGE CONTINUANCE:

ITEM 611, 50 FT.CONDUIT, MISC TYPE C FOR DRAINAGE DISCHARGE CONTINUANCE  
ITEM 611, 20 FT.CONDUIT, MISC TYPE F FOR DRAINAGE DISCHARGE CONTINUANCE  
ITEM 202, 40 FT. REMOVAL MISC CONDUIT

DESIGN AGENCY



6350 PRESIDENTIAL GATEWAY  
COLUMBUS, OHIO 43231  
(614) 823-4949

DESIGNER

KSJ

REVIEWER

BBB 06-20-25

PROJECT ID

119042

SHEET

P.4

TOTAL

24

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"	-	4	4

ITEM SPECIAL - MAILBOX SUPPORT

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

WOODS 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 THEN 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).

ITEM 606 - ANCHOR ASSEMBLY, MGS TYPE B

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.

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.

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

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

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 A SHEET OF TYPE G REFLECTIVE SHEETING, PER CMS 730.19.

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

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

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

ITEM 209 - PREPARING SUBGRADE FOR SHOULDER PAVING, AS PER PLAN

WIDTH OF GRADING FOR PREPARING THE SUBGRADE FOR SAFETY EDGE SHALL BE 12".

ITEM 209, PREPARING SUBGRADE FOR SHOULDER PAVING, AS PER PLAN0.5 STA.

ITEM 209 - RESHAPING UNDER GUARDRAIL, AS PER PLAN

THIS WORK SHALL CONSIST OF REGRADING THE SHOULDER TO CREATE A BREAKPOINT AT THE FACE OF PROPOSED ITEM 606, GUARDRAIL, TYPE MGS WITH LONG POSTS BETWEEN STA. 258+25.72 AND STA. 259+16.00 AS SHOWN ON THE TYPICALS AND PLAN SHEETS OF THESE PLANS. BEYOND THIS RANGE, PROPOSED GRADING AS SHOWN ON THE CROSS SECTION SHEETS OF THESE PLANS IS TO BE CONSTRUCTED.

ITEM 209, RESHAPING UNDER GUARDRAIL, AS PER PLAN1.0 STA.

GENERAL NOTES

DESIGN AGENCY



6350 PRESIDENTIAL GATEWAY  
COLUMBUS, OHIO 43231  
(614) 823-4949

DESIGNER

KSJ

REVIEWER

BBB 06-20-25

PROJECT ID

119042

SHEET

P.5

TOTAL

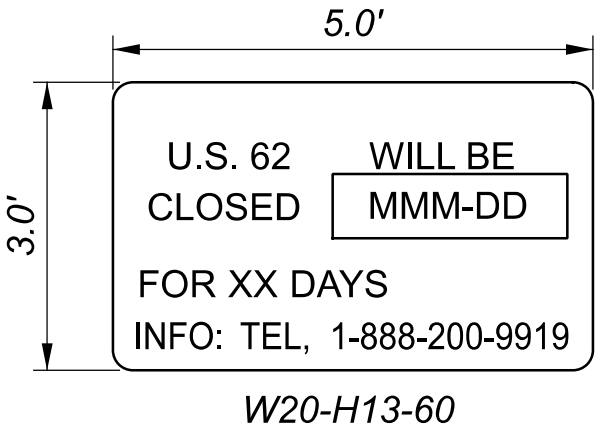
24

ITEM 614, MAINTAINING TRAFFIC

A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES, EXCEPT FOR A PERIOD NOT TO EXCEED 3 CONSECUTIVE CALENDAR DAYS, WHEN THROUGH TRAFFIC MAY BE DETOURED AS SHOWN ON SHEET P.8 - P.9. A DISINCENTIVE SHALL BE ASSESSED IN THE AMOUNT OF \$1,000 PER HOUR FOR EACH HOUR US-62 REMAINS CLOSED TO TRAFFIC BEYOND A TIME FRAME OF 7:00 PM THURSDAY TO 5:00 AM MONDAY AGREED UPON BY THE PROJECT ENGINEER AFTER RECEIVING ACCEPTANCES FROM REQUIRED ENTITIES.

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. ROAD CLOSURE TO BEGIN CONSTRUCTION SHALL NOT OCCUR UNTIL AFTER MEMORIAL DAY (E.G. 5/27/24).

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. THE SIGNS MAY BE ERECTED ANYWHERE ON RAMPS AS LONG AS THEY ARE VISIBLE TO THE MOTORISTS USING THE RAMP. ON ENTRANCE RAMPS, THE SIGN SHALL BE ERECTED WELL IN ADVANCE OF THE MERGE AREA TO AVOID DISTRACTING MOTORISTS.



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

THE SIGN SHALL DISPLAY THE DATE OF THE CLOSURE IN MMM-DD FORMAT AND THE NUMBER OF DAYS OF THE CLOSURE. THE LAST LINE OF THE W20-H13 SIGN LISTS A PHONE NUMBER WHICH A MOTORIST MAY CALL FOR ADDITIONAL INFORMATION. THIS IS TO BE A SPECIFIC OFFICE WITHIN THE DISTRICT RATHER THAN THE GENERAL SWITCHBOARD NUMBER.

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 AT THE FOLLOWING LOCATIONS DURING PERIODS IN WHICH THE AFFECTED ROADS ARE CLOSED TO TRAFFIC.

LOCATION 1, STA. 258+90  
LOCATION 2, STA. 259+70

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), THE DISTRICT PUBLIC INFORMATION OFFICE (PIO) AND THE CITY OF GROVE CITY (614-277-1100; PUBLICSERVICE@GROVECITYOHIO.GOV). 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 BUSINESS 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.

DETOUR SIGNING

THE ERECTION AND REMOVAL OF DETOUR SIGNING IS TO BE DONE IN COORDINATION WITH MAINTENANCE OF TRAFFIC EFFORTS FOR PID PROJECTS 114887 AND 105498 WHICH ARE SCHEDULED TO BE CONSTRUCTED WITHIN A SIMILAR TIME FRAME AS THIS PROJECT. ANY SIGNS CONFLICTING OR DUPLICATING SIGNAGE USED BY OTHER PROJECTS SHALL NOT BE ERECTED.

ITEM 614, MAINTAINING TRAFFIC (LANES OPEN DURING HOLIDAYS OR SPECIAL EVENTS)

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)
TOTAL SOLAR ECLIPSE (4/8/24)	THANKSGIVING
MEMORIAL DAY	CHRISTMAS (OBSERVED)
FOURTH OF JULY (OBSERVED)	(OTHER HOLIDAY OR SPECIAL EVENT)
LABOR DAY	

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 OR SPECIAL EVENT	TIME ALL LANES MUST BE OPEN TO TRAFFIC
SUNDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY
MONDAY	12:00N FRIDAY THROUGH 6:00 AM TUESDAY
MONDAY (TOTAL SOLAR ECLIPSE)	12:00N MONDAY THROUGH 6:00 AM WEDNESDAY
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

DURING THE SAME PERIODS, MAINTAIN PEDESTRAIN ACCESS IF PEDESTRIAN ACCESS WAS PRESENT PRIOR TO CONSTRUCTION.

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

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:

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

IN GENERAL, LEOS SHOULD BE POSITIONED IN ADVANCE OF THE POINT OF ROAD CLOSURE.

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 TI 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 24 HOURS

THE HOURS PAID SHALL INCLUDE ANY MINIMUM SHOW-UP TIME REQUIRED BY THE LAW ENFORCEMENT AGENCY INVOLVED.

ANY ADDITIONAL COSTS (ADMINISTATIVE 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.8 - P.9. 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 441 - ASPHALT CONCRETE SURFACE COURSE,  
TYPE 1, (449), PG 64-22 50 CU YD  
ITEM 407 - TACK COAT 100 GAL

SEQUENCE OF CONSTRUCTION

THE FOLLOWING IS A SUGGESTED PHASING SEQUENCE FOR THE MAINTENANCE OF TRAFFIC AND CONSTRUCTION OF THIS PROJECT. SEE SHEETS P.8 - P.10 FOR ADDITIONAL DETAILS AND QUANTITIES ASSOCIATED WITH THE FOLLOWING PHASES. FOR DETAILS NOT SHOWN ON THESE PLANS, CONSULT THE APPROPRIATE STANDARD CONSTRUCTION DRAWINGS.

PHASE 1. SET UP TRAFFIC CONTROL IN ACCORDANCE WITH MOT PLANS TO DETOUR TRAFFIC ONTO SR-665, IR-71, AND IR-270.

ONCE TRAFFIC CONTROL HAS BEEN COMPLETED TO THE ENGINEER'S SATISFACTION, U.S. ROUTE 62 (HARRISBURG PIKE) IS TO BE CLOSED FOR NO MORE THAN A CONSECUTIVE 3 DAY PERIOD OF TIME TO COMPLETE OPEN-CUT REPLACEMENT CONSTRUCTION OF EXISTING CONDUIT WHICH RUNS UNDER US-62.

AS SOON AS ACCEPTABLE TO THE ENGINEER, WITHIN THE ALLOTTED 3 DAY PERIOD, ALL FINAL TRAFFIC MARKINGS ARE TO BE PLACED PRIOR TO RE-OPENING US-62 TO TRAFFIC AND REMOVING DETOUR SIGNAGE.

WINDOW CONTRACT TABLE

DESCRIPTION OF CRITICAL WORK	CALENDAR DAYS TO COMPLETE	DISINCENTIVE \$ PER DAY	WORK WINDOW	
			START	END
ALL 448 PAVING, MARKINGS, CONDUIT, AND GUARDRAIL WORK	3	\$5,000 PER DAY	9/8/2026	11/20/2026
ALL WORK ON PROJECT (INCLUDING WORK LISTED ABOVE)	90	PER C&MS 108.07	8/1/2026	12/1/2026

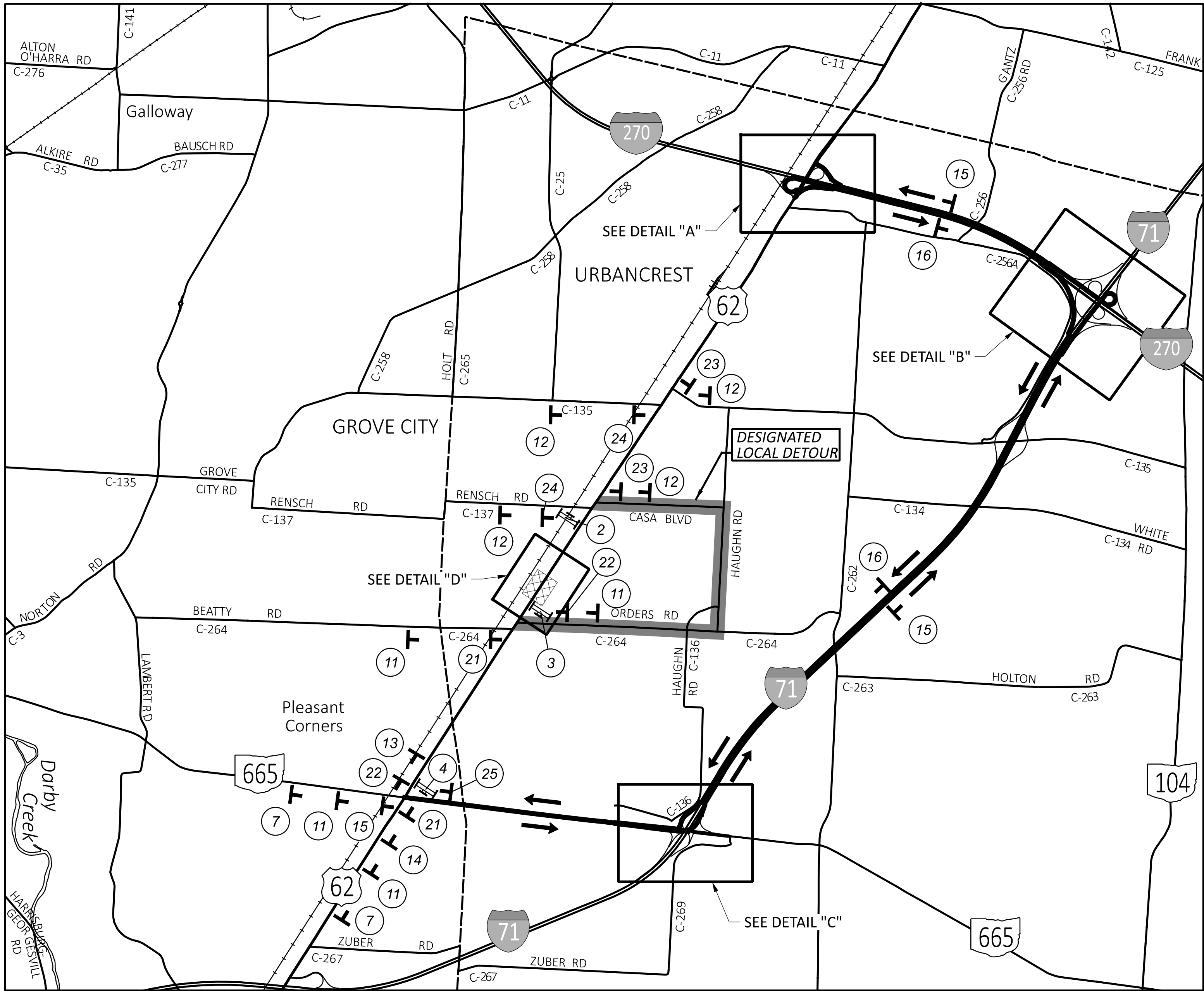
PHASE 2. TRAFFIC CONTROL DEVICES PROPOSED FOR PHASE 2 OF SYSTEM A'S CONSTRUCTION ARE TO BE PLACED TO THE SATISFACTION OF AND WITH THE EXPRESSED APPROVAL BY THE PROJECT ENGINEER BEFORE THE BALANCE OF WORK IS BEGUN. (THE SEQUENCING OF PHASE 1 AND PHASE 2 MAY BE REVERSED IF ACCEPTABLE TO THE PROJECT ENGINEER. HOWEVER, CONSTRUCTION OF SYSTEM C IS NOT TO BE PERFORMED CONCURRENTLY WITH EITHER PHASE.)

SEQUENCE OF CONSTRUCTION (CONT'D)

PHASE 3. WITH ENGINEER'S APPROVAL OF PHASE 2 WORK, MAINTENANCE OF TRAFFIC DEVICES ARE TO BE REMOVED AND SYSTEM C CONSTRUCTION CAN PROCEED BY USE OF "ROAD WORK AHEAD" SIGNS, FLAGGERS, AND DRUMS/CONES AS NEEDED FOR MAINTAINING TRAFFIC.

COMPLETION OF PROJECT IS ACHIEVED WHEN SYSTEM A (PHASES 1 AND 2) AND SYSTEM C ARE BUILT TO ENGINEER'S SATISFACTION AND APPROVAL.

REF NO.	STATION		SIDE	614				622
				WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (UNIDIRECTIONAL)	BARRIER REFLECTOR, TYPE 1 (TWO-WAY)	OBJECT MARKER, TWO WAY		PORTABLE BARRIER, UNANCHORED
	FROM	TO		EACH	EACH	EACH		FT
	SYSTEM A							
WZIA-1	258+68.00		LT	1				
WZIA-2	265+85.00		LT	1				
PB-1	258+68.00	261+18.00	LT		6	5		250
PB-2	261+65.00	263+85.00	LT		6	5		220
PB-3	264+15.00	265+85.00	LT		5	4		170
TOTALS CARRIED TO GENERAL SUMMARY				2	17	14		640



LEGEND

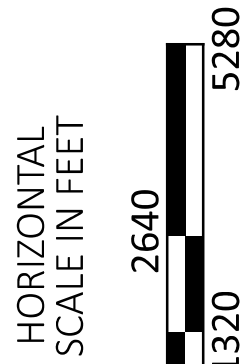
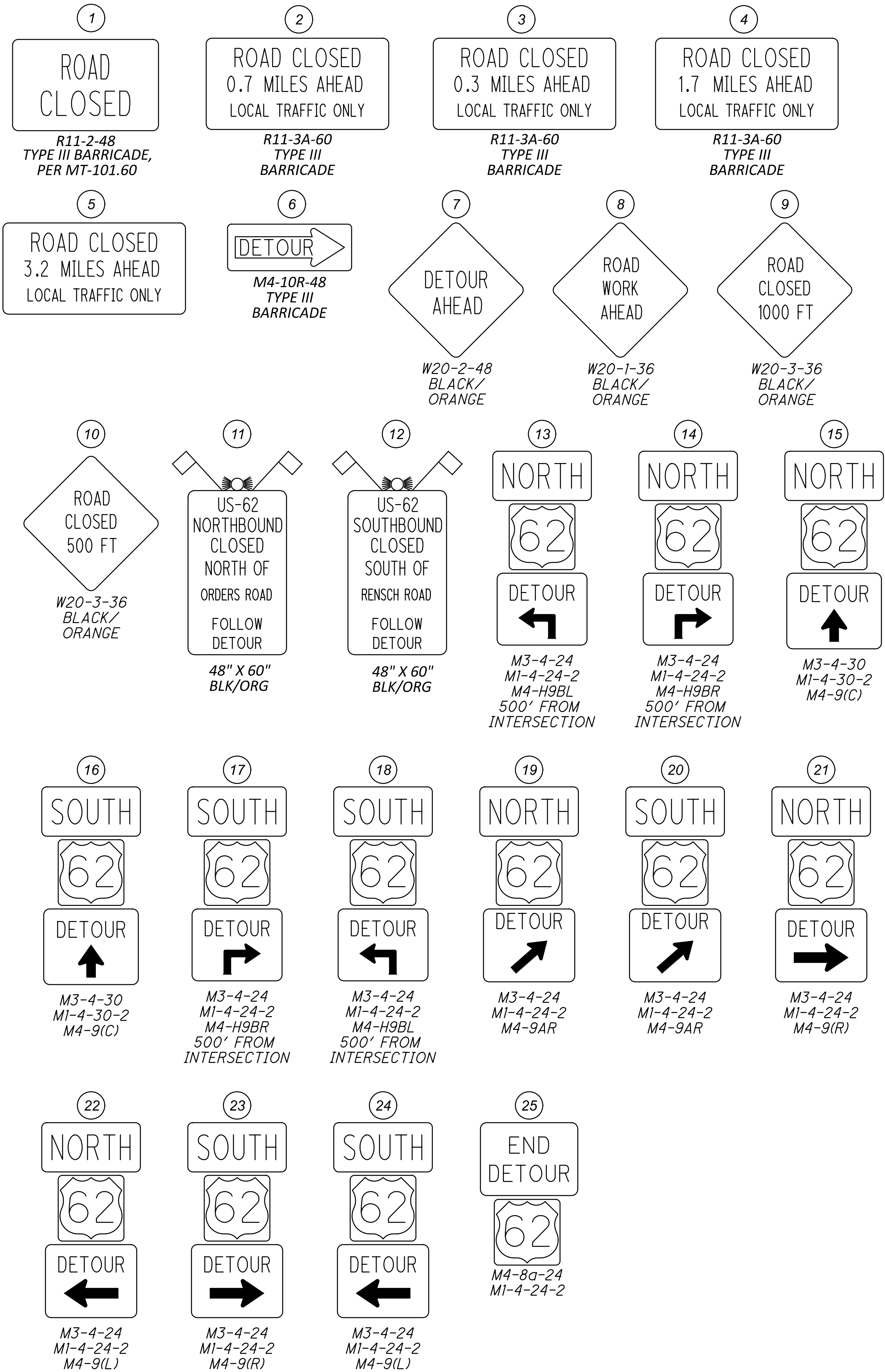
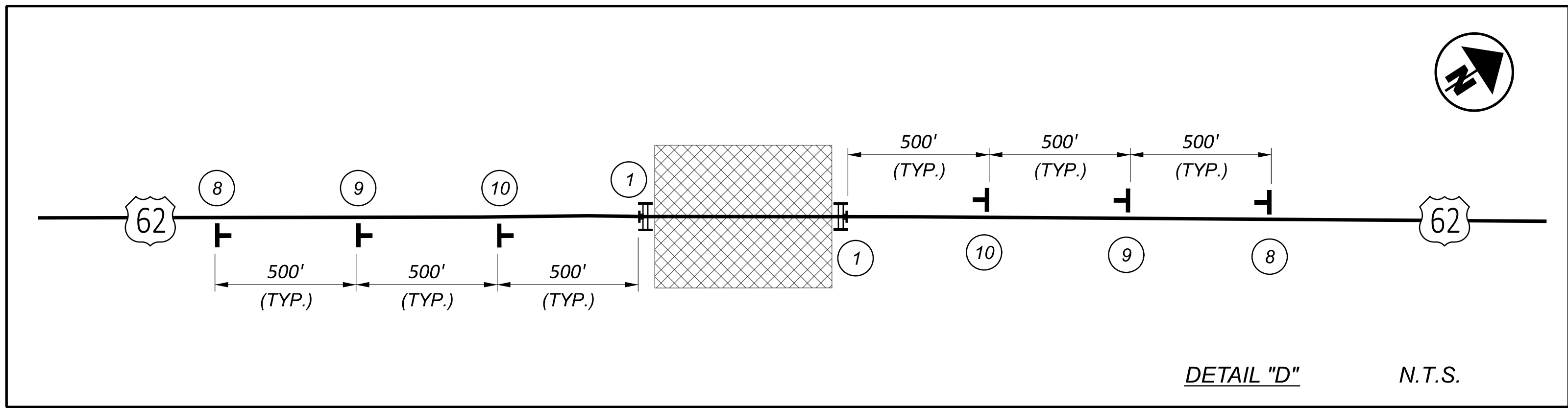
- WORK ZONE
- DIRECTION OF DETOUR
- DETOUR ROUTE
- DESIGNATED LOCAL DETOUR
- TYPE III BARRICADES
- TYPE A WARNING LIGHT

DETOUR MAP



NOTE:

FOR INTERCHANGE SIGNAGE DETAILS, SEE SHEET P.9



MAINTENANCE OF TRAFFIC  
DETOUR MAP (US 62)

DESIGN AGENCY



6350 PRESIDENTIAL GATEWAY  
COLUMBUS, OHIO 43231  
(614) 823-4949

DESIGNER

JAS

REVIEWER

BBB 06-20-25

PROJECT ID

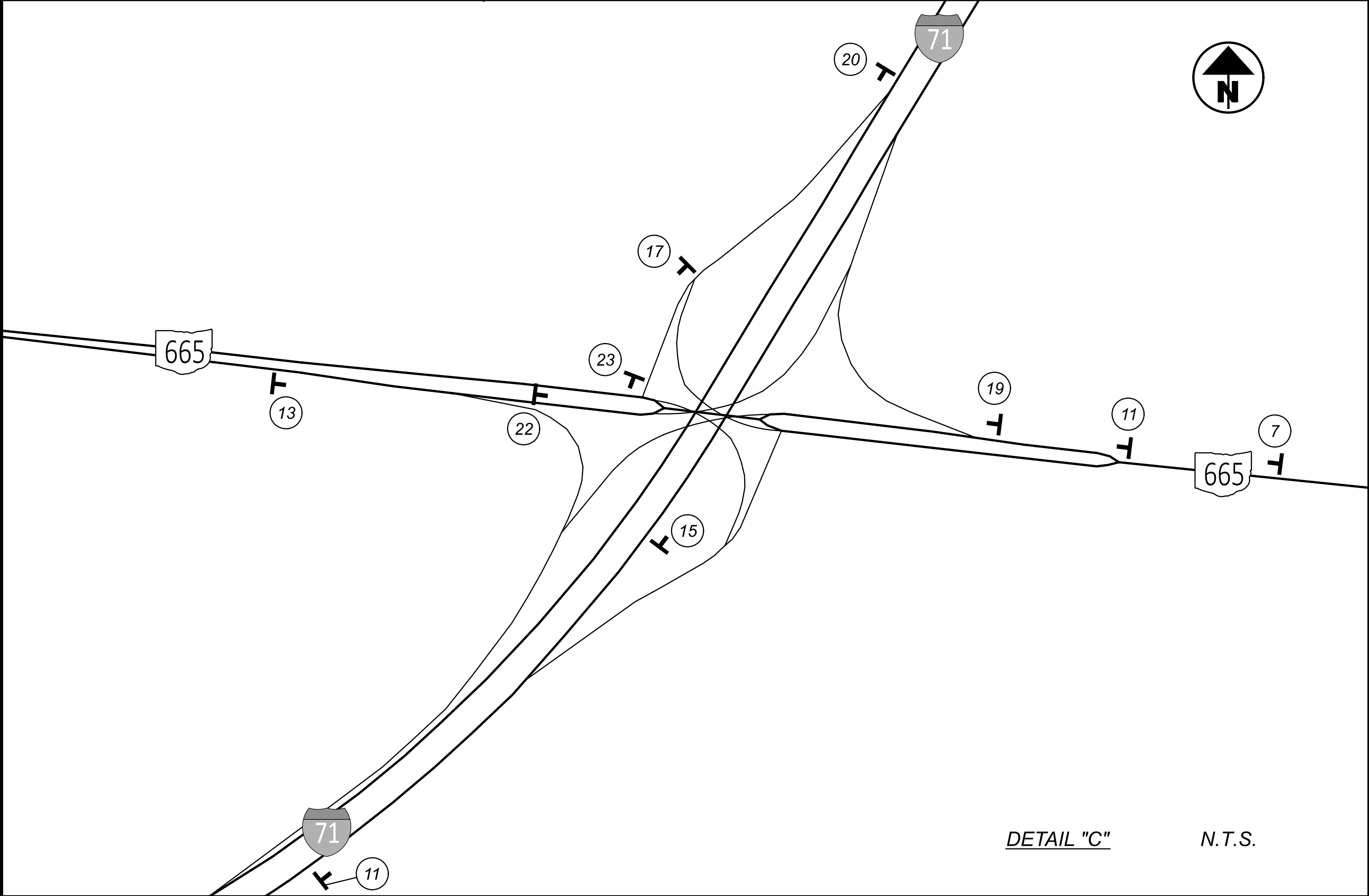
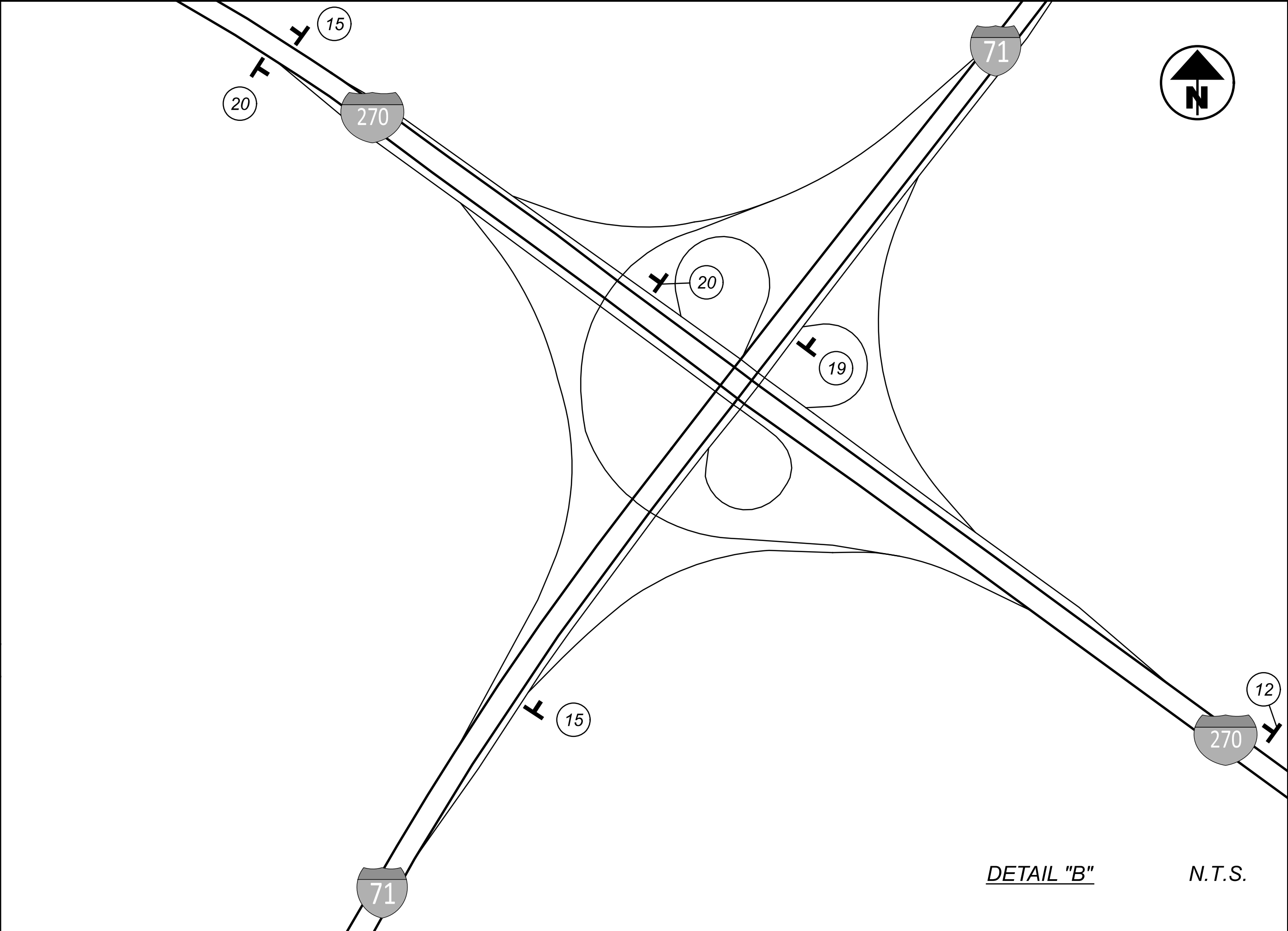
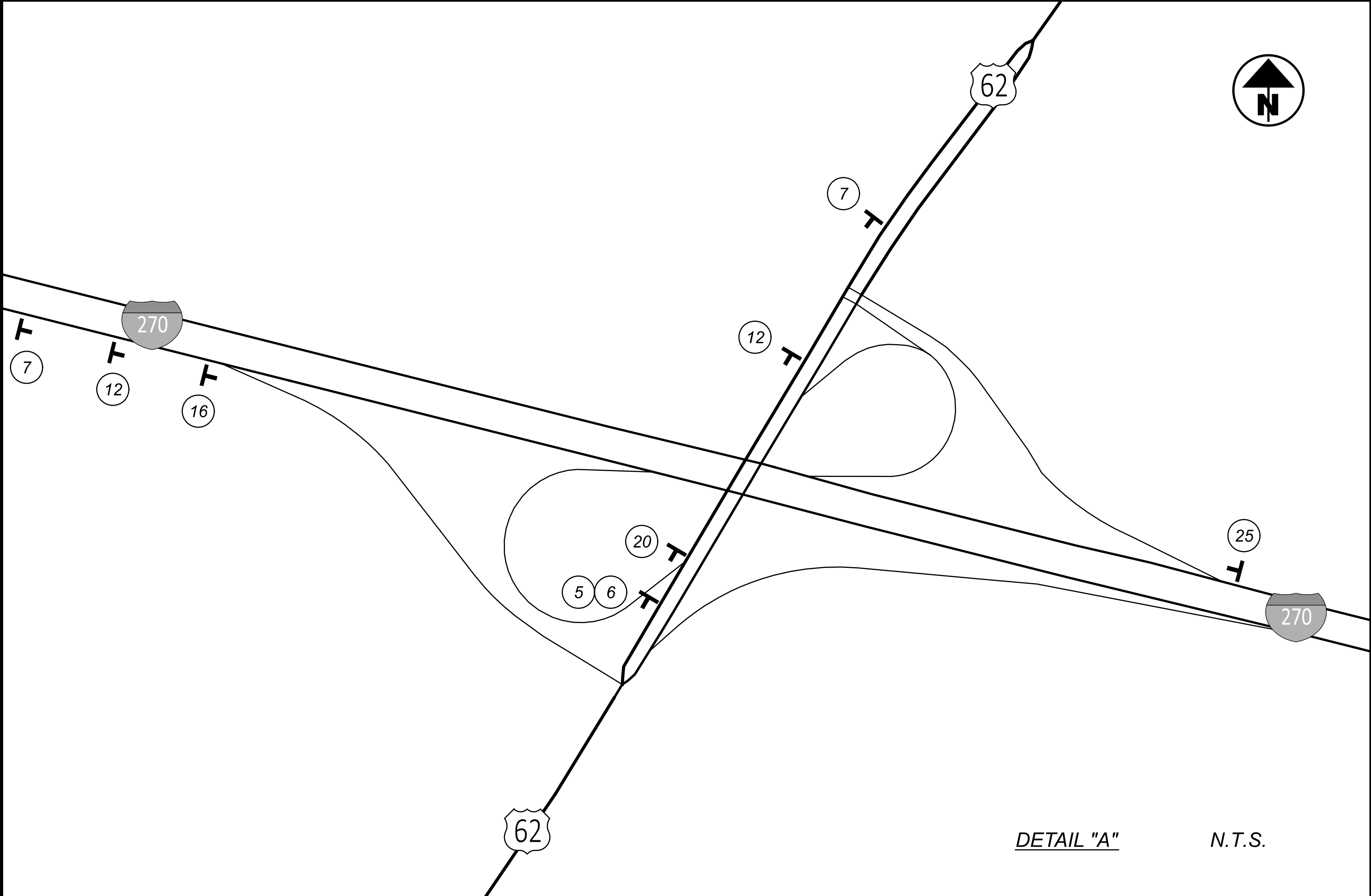
119042

SHEET

P.8

TOTAL

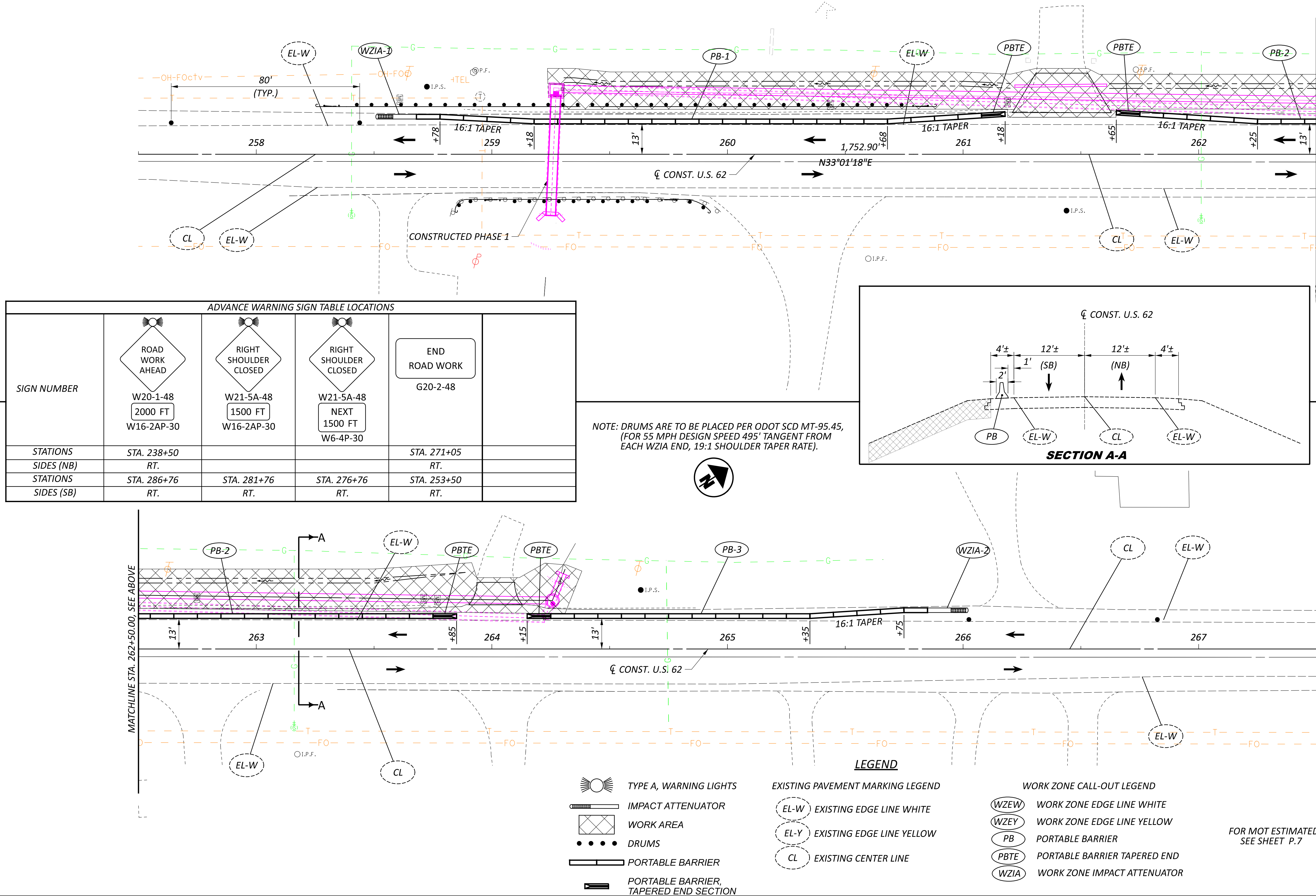
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NOTE:  
FOR OVERVIEW OF DETOUR MAP, SEE SHEET P.8

MAINTENANCE OF TRAFFIC  
DETOUR MAP DETAILS (US 62)

DESIGN AGENCY	
	
6350 PRESIDENTIAL GATEWAY COLUMBUS, OHIO 43231 (614) 823-4949	
DESIGNER	
KSJ	
REVIEWER	
BBB 06-20-25	
PROJECT ID	
119042	
SHEET	TOTAL
P.9	24




MODEL: GENERAL SUMMARY PAPER SIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 1:16:25 PM USER: kevinj  
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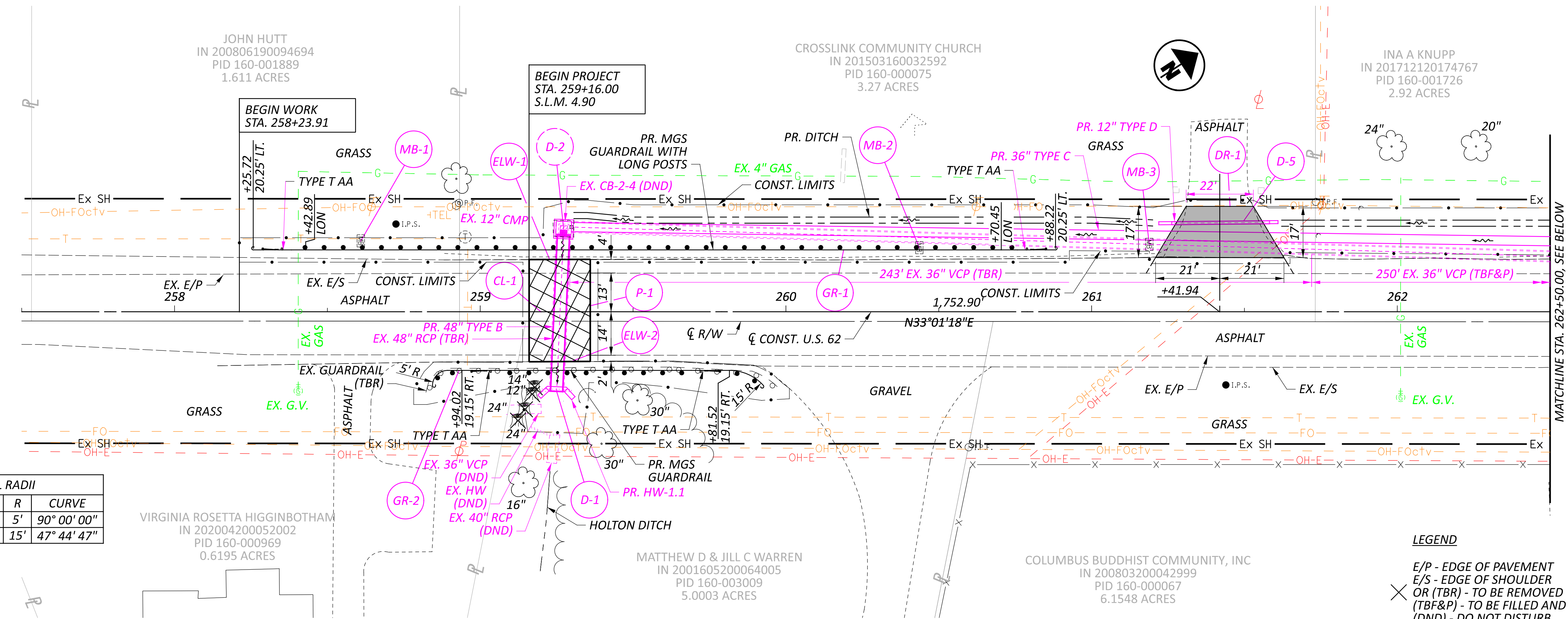
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## GENERAL SUMMARY

DESIGN AGENCY  6350 PRESIDENTIAL GATEWAY COLUMBUS, OHIO 43231 (614) 823-4949	
DESIGNER <b>KSJ</b>	
REVIEWER <b>BBB 06-20-25</b>	
PROJECT ID <b>119042</b>	
SHEET <b>P.11</b>	TOTAL <b>24</b>

<h1 style="text-align: center;">GENERAL SUMMARY</h1>	
DESIGN AGENCY  6350 PRESIDENTIAL GATEWAY COLUMBUS, OHIO 43231 (614) 822-1949	
DESIGNER KSJ	
REVIEWER BBB 06-20-25	
PROJECT ID 119042	
SHEET P.12	TOTAL 24

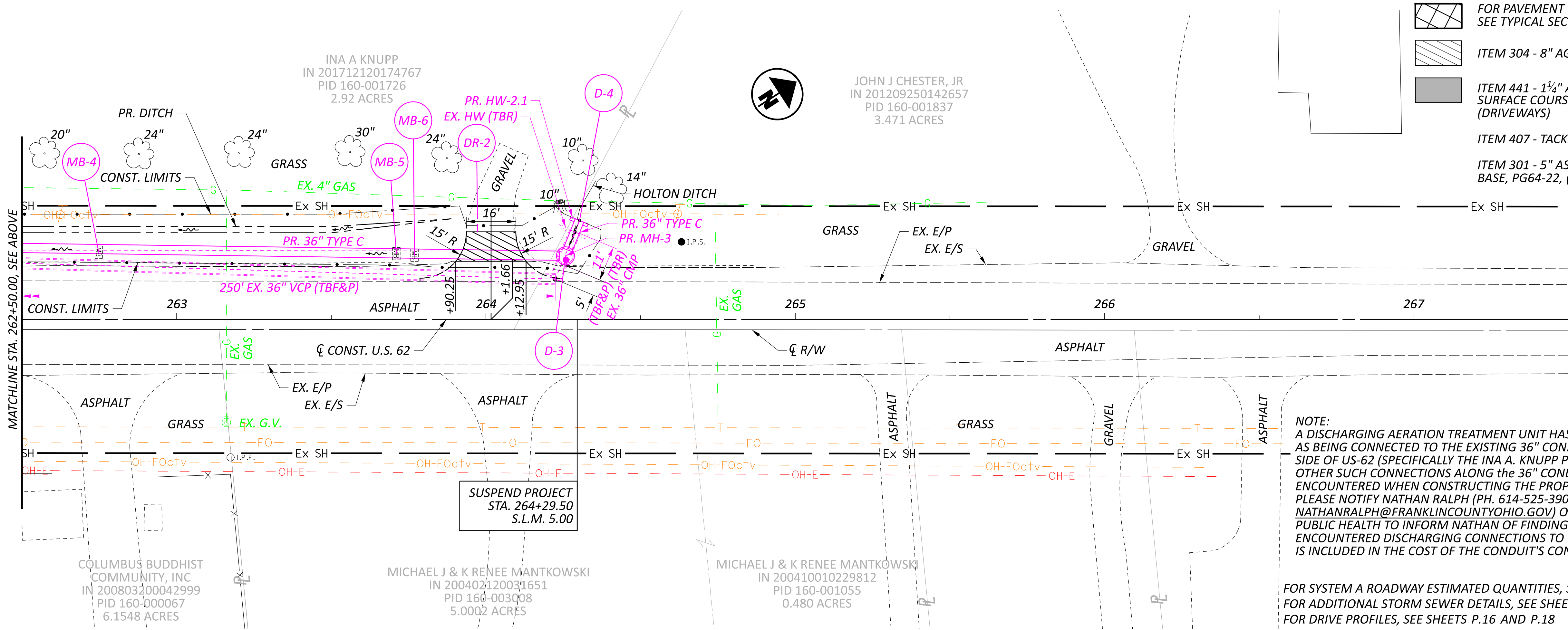
GUARDRAIL RADII			
STATION	OFFSET	R	CURVE
258+89.38	24.15', RT.	5'	90° 00' 00"
260+81.52	34.15', RT.	15'	47° 44' 47"



LEGEND

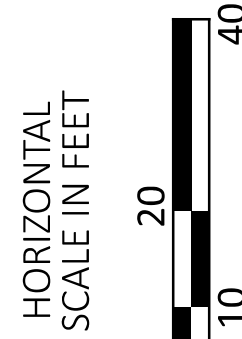
- E/P - EDGE OF PAVEMENT
- E/S - EDGE OF SHOULDER
- OR (TBR) - TO BE REMOVED
- (TBF&P) - TO BE FILLED AND PLUGGED
- (DND) - DO NOT DISTURB

- FOR PAVEMENT BUILD-UP, SEE TYPICAL SECTION SHEET P.3
- ITEM 304 - 8" AGGREGATE BASE
- ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), (DRIVEWAYS)
- ITEM 407 - TACK COAT
- ITEM 301 - 5" ASPHALT CONCRETE BASE, PG64-22, (449)



NOTE:  
A DISCHARGING AERATION TREATMENT UNIT HAS BEEN IDENTIFIED AS BEING CONNECTED TO THE EXISTING 36" CONDUIT ON THE WEST SIDE OF US-62 (SPECIFICALLY THE INA A. KNUPP PROPERTY). IF OTHER SUCH CONNECTIONS ALONG THE 36" CONDUIT'S LENGTH ARE ENCOUNTERED WHEN CONSTRUCTING THE PROPOSED CONDUIT, PLEASE NOTIFY NATHAN RALPH (PH. 614-525-3909, EMAIL - NATHANRALPH@FRANKLINCOUNTYOHIO.GOV) OF FRANKLIN COUNTY PUBLIC HEALTH TO INFORM NATHAN OF FINDINGS. RECONNECTION OF ENCOUNTERED DISCHARGING CONNECTIONS TO PROPOSED CONDUIT IS INCLUDED IN THE COST OF THE CONDUIT'S CONSTRUCTION.

FOR SYSTEM A ROADWAY ESTIMATED QUANTITIES, SEE SHEET P.14  
FOR ADDITIONAL STORM SEWER DETAILS, SEE SHEET P.23  
FOR DRIVE PROFILES, SEE SHEETS P.16 AND P.18



PLAN - SYSTEM A  
STA. 257+50.00 TO STA. 267+50.00

DESIGN AGENCY



6350 PRESIDENTIAL GATEWAY  
COLUMBUS, OHIO 43231  
(614) 823-4949

DESIGNER

KSJ

REVIEWER

BBB 06-20-25

PROJECT ID

119042

SHEET

P.13

TOTAL

24

REF. NO.	STATION		SIDE	202	202	202	202	202	202	204	204	255	301	304	407	407	441	441	602	605	606	606	606	611	611	611	611	617	621	621	644	644	690	
				STRUCTURE REMOVED, FULL HEIGHT HEADWALL	HEADWALL REMOVED	PAVEMENT REMOVED	PIPE REMOVED, 24" AND UNDER	PIPE REMOVED, OVER 24" DIAMTER	GUARDRAIL REMOVED	SPECIAL - FILL AND PLUG EXISTING CONDUIT	SUBGRADE COMPACTION	PROOF ROLLING	FULL DEPTH PAVEMENT SAWING	ASPHALT CONCRETE BASE, PG64-22, (449)	AGGREGATE BASE	TACK COAT	NON-TRACKING TACK COAT	ASPHALT CONCRETE SURFACE COURSE, TYPE 1,(449), PG64-22	ASPHALT CONCRETE SURFACE COURSE, TYPE 1 ,(449), (DRIVEWAYS)	CONCRETE MASONRY	4" BASE PIPE UNDERDRAINS	GUARDRAIL, TYPE MGS	GUARDRAIL, TYPE MGS WITH LONG POSTS	ANCHOR ASSEMBLY, MGS TYPE T	12" CONDUIT, TYPE D	36" CONDUIT, TYPE C	48" CONDUIT, TYPE B	MANHOLE, NO. 3	COMPACTED AGGREGATE	RAISED PAVEMENT MARKER REMOVED	RPM MISC.: TWO-WAY, YELLOW/YELLOW	PAVEMENT MARKING MISC.: EDGE LINE, 5" , (WHITE)	PAVEMENT MARKING MISC.: CENTER LINE, 5" , (YELLOW)	SPECIAL - MAILBOX REMOVED AND RESET
	FROM	TO		LS	EACH	SY	FT	FT	FT		SY	HOUR	FT	CY	CY	GAL	GAL	CY	CY	CY	FT	FT	FT	EACH	FT	FT	FT	EACH	CY	EACH	EACH	MILE	MILE	EACH
	SYSTEM A																																	
D-1	259+24.99	259+27.29	LT & RT	LS				51											8.8								51							
D-2	259+27.29	261+72.00	LT					243																	494		1							
	261+72.00	264+25.69	LT							250																								
D-3	264+22.39	264+25.69	LT							5																								
	264+25.69	264+30.24	LT					11																	10									
D-4	264+23.50	264+32.95	LT		1														0.8															
D-5	261+21.99	261+60.99	LT				31																	39										
DR-1	261+21.04	261+62.89	LT			60					60		64	9		4		2																
DR-2	263+90.25	264+12.90	LT								20			5																				
GR-1	258+25.72	260+88.22	LT																				237.5	2										
GR-2	258+84.38	259+92.63	RT						121												87.5		2											
P-1	259+16.00	259+36.00	LT & RT			75					81	0.1	66	20	14		13	7			40							1						
CL-1	259+06.00	259+46.00	CL																										1	1		0.01		
ELW-1	259+06.00	259+46.00	LT																													0.01		
ELW-2	259+06.00	259+46.00	RT																													0.01		
MB-1	258+60.92		LT																														1	
MB-2	260+43.64		LT																														1	
MB-3	261+18.87		LT																														1	
MB-4	262+74.80		LT																														1	
MB-5	263+71.04		LT																														1	
MB-6	263+76.91		LT																														1	
TOTALS CARRIED TO GENERAL SUMMARY				LS	1	135	31	305	121	255	161	0.1	130	29	19	4	13	7	2	9.6	40	87.5	237.5	4	39	504	51	1	1	1	1	0.02	0.01	6

ROADWAY ESTIMATED QUATNTITIES - SYSTEM A

DESIGN AGENCY



RESOURCE  
INTERNATIONAL

6350 PRESIDENTIAL GATEWAY  
COLUMBUS, OHIO 43231  
(614) 823-4949

DESIGNER

KSJ

REVIEWER

BBB 06-20-25

PROJECT ID

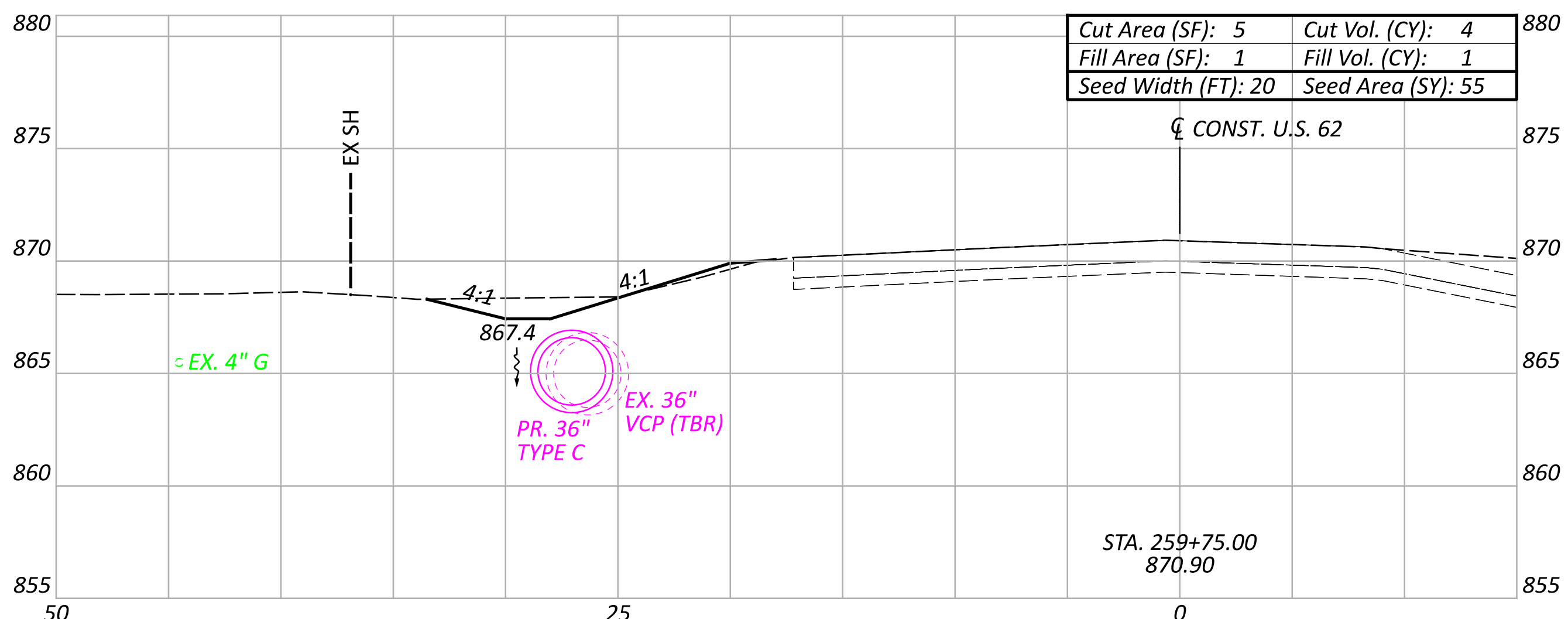
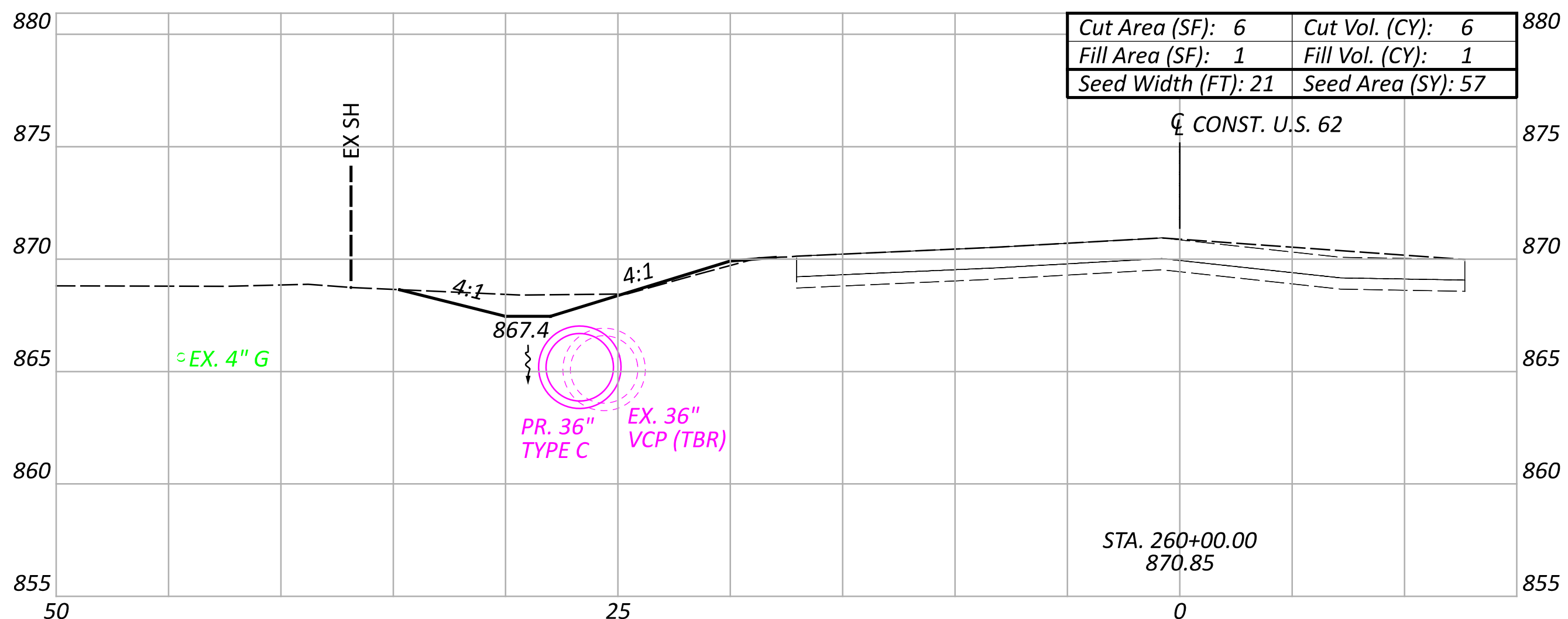
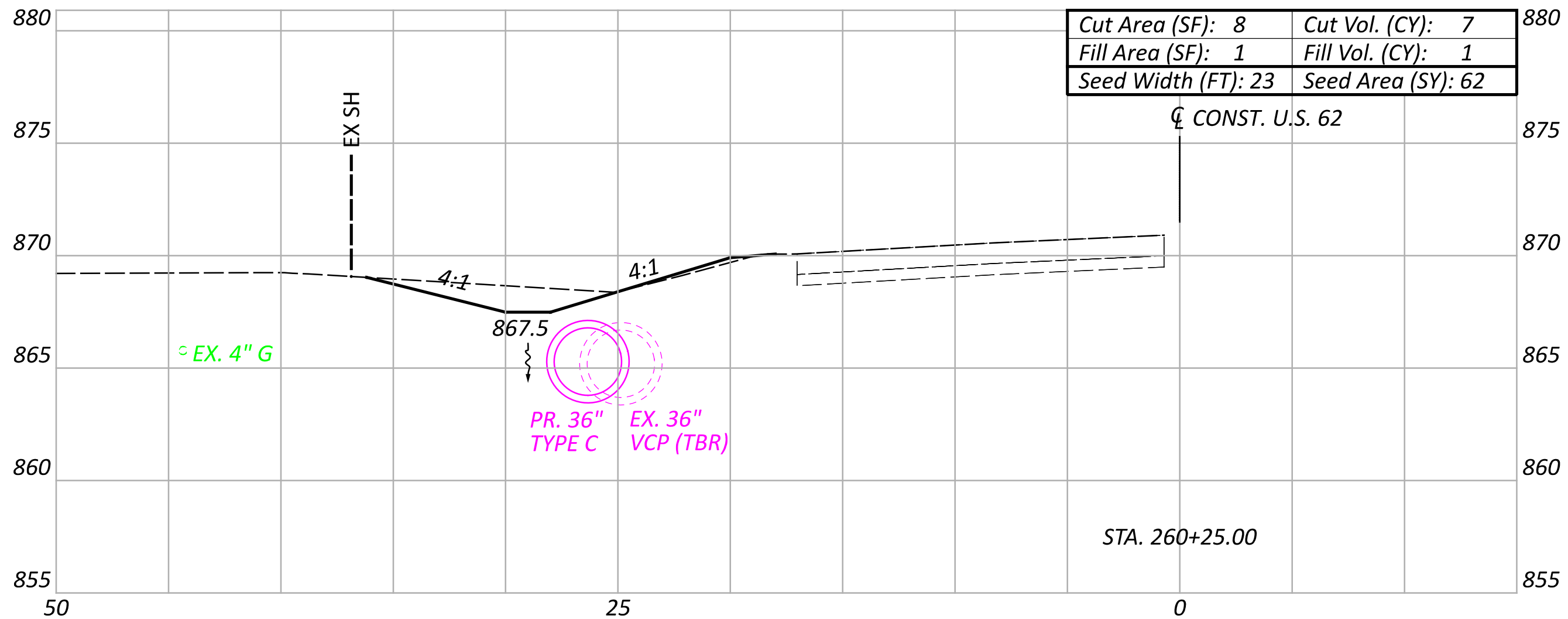
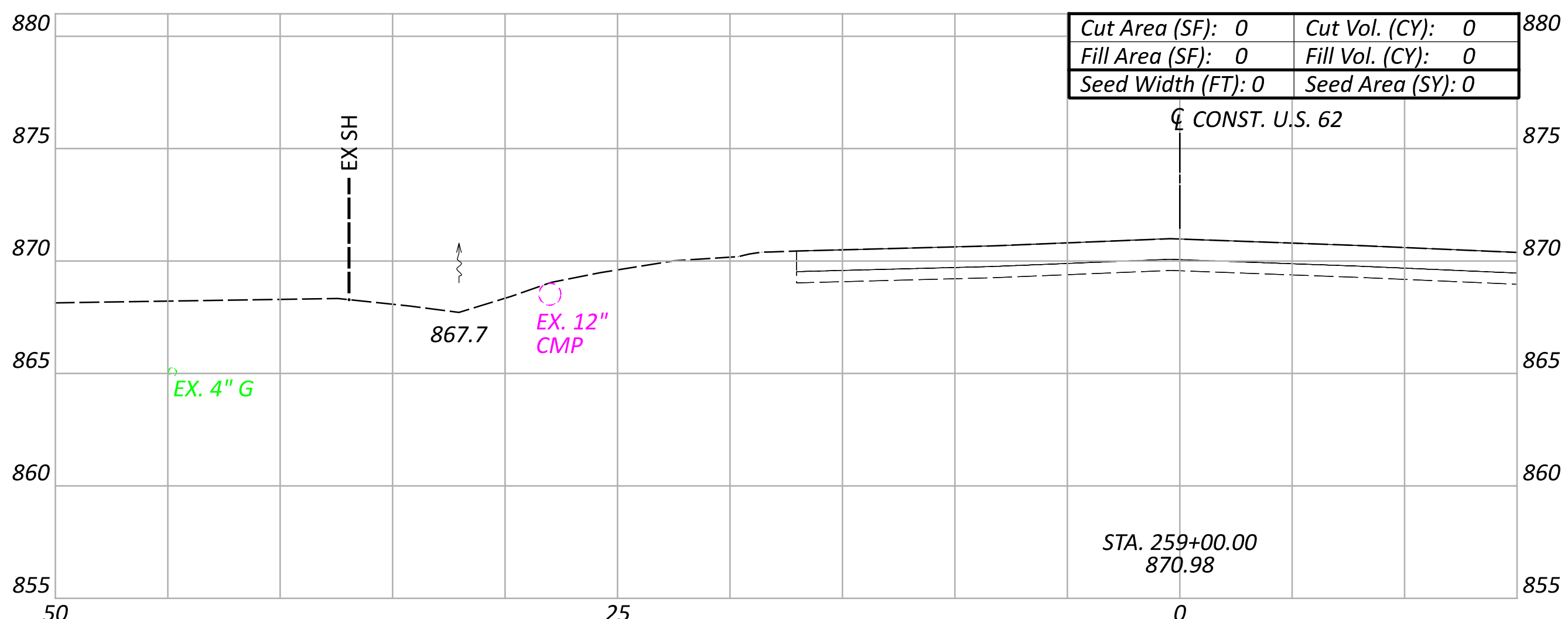
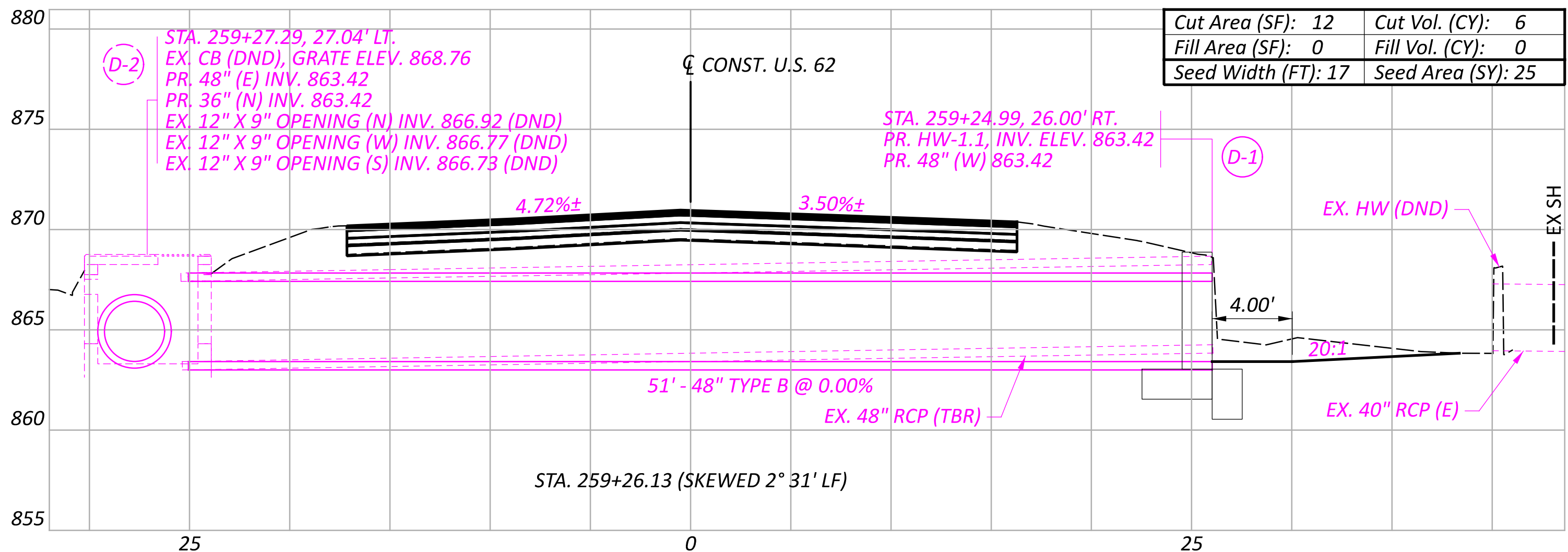
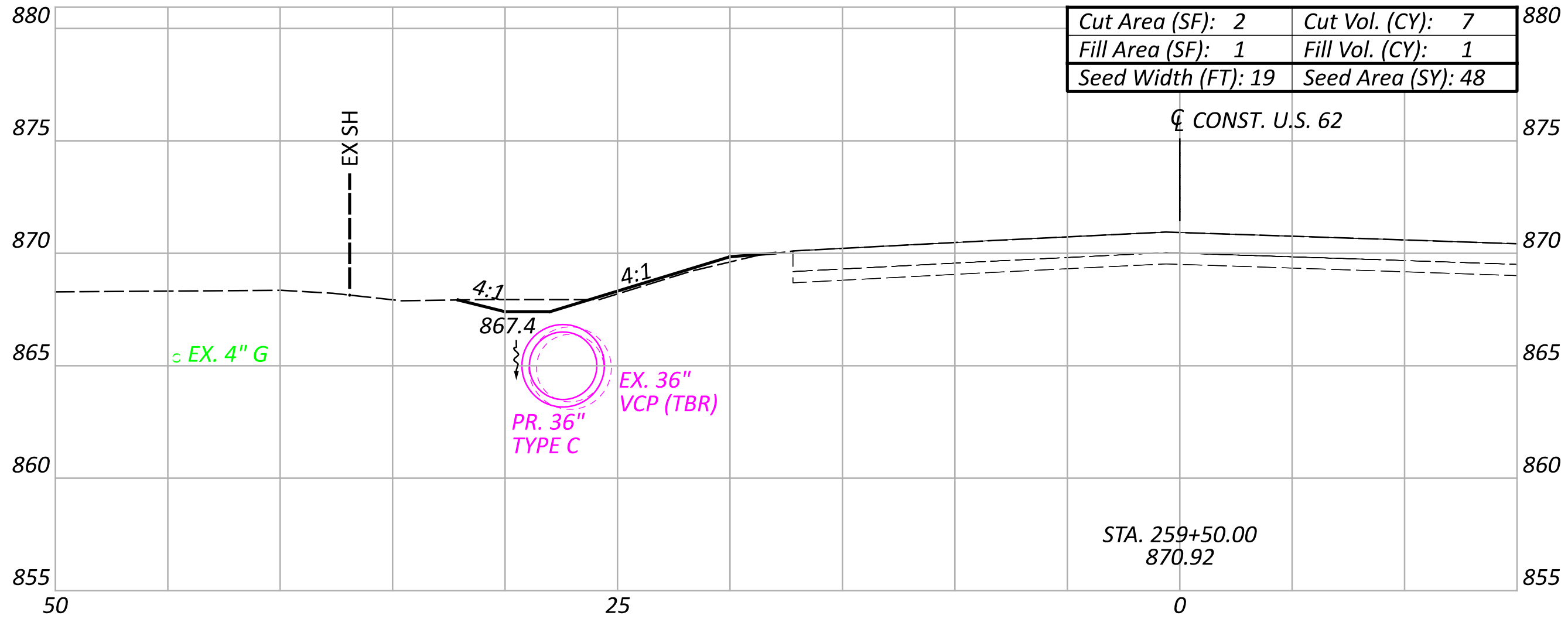
119042

SHEET

P.14

TOTAL

24



LEGEND:

(TBR) - TO BE REMOVED  
(TBF&P) - TO BE FILLED AND PLUGGED

FOR ADDITIONAL STORM SEWER DETAIL, SEE SHEET P.23

Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill		
247	30	4	P.15	24

CROSS SECTIONS - SYSTEM A  
STA. 259+00.00 TO STA. 260+25.00

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COLUMBUS, OHIO 43231  
(614) 822-4949

DESIGNER

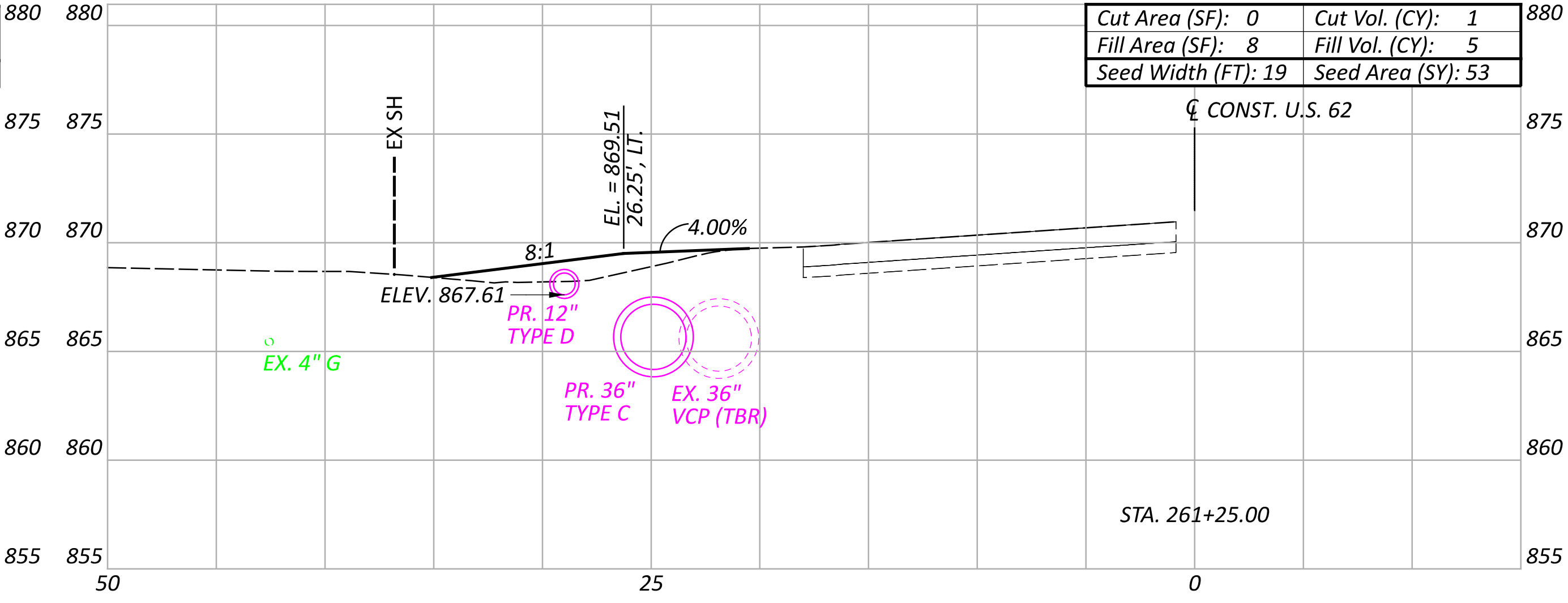
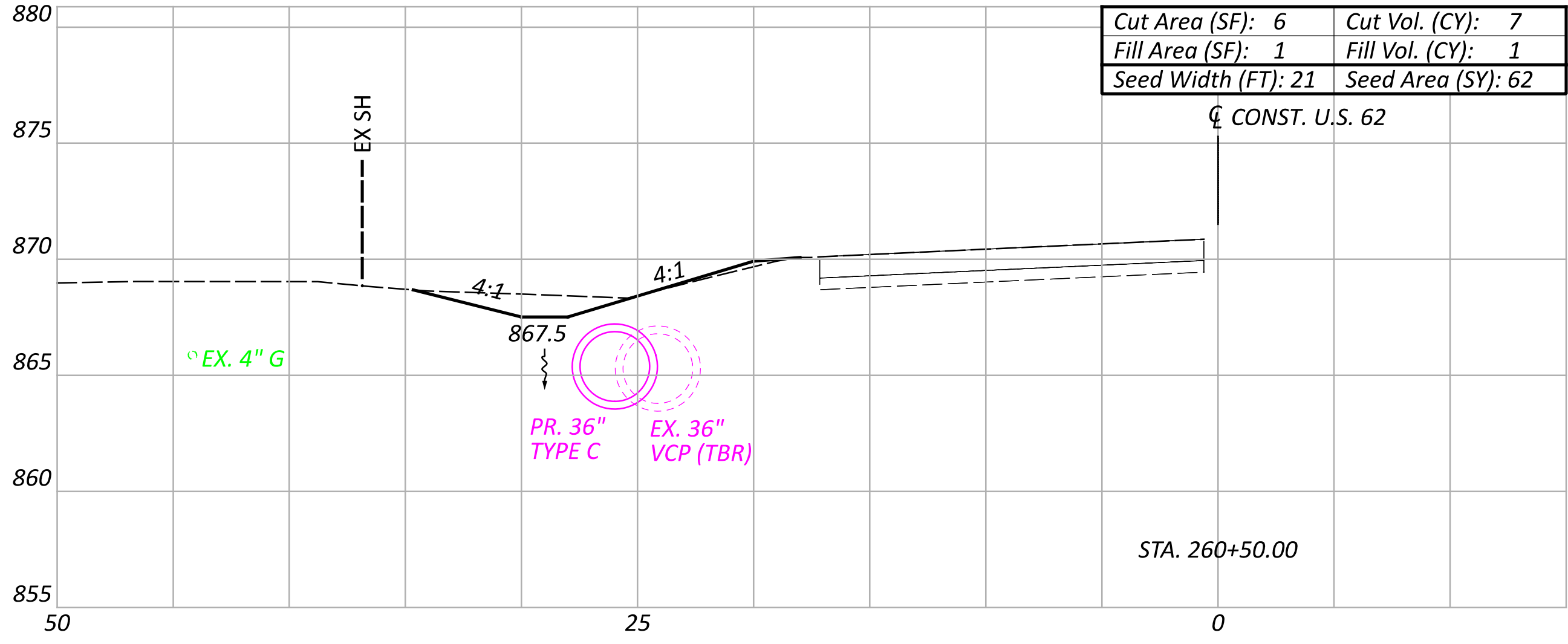
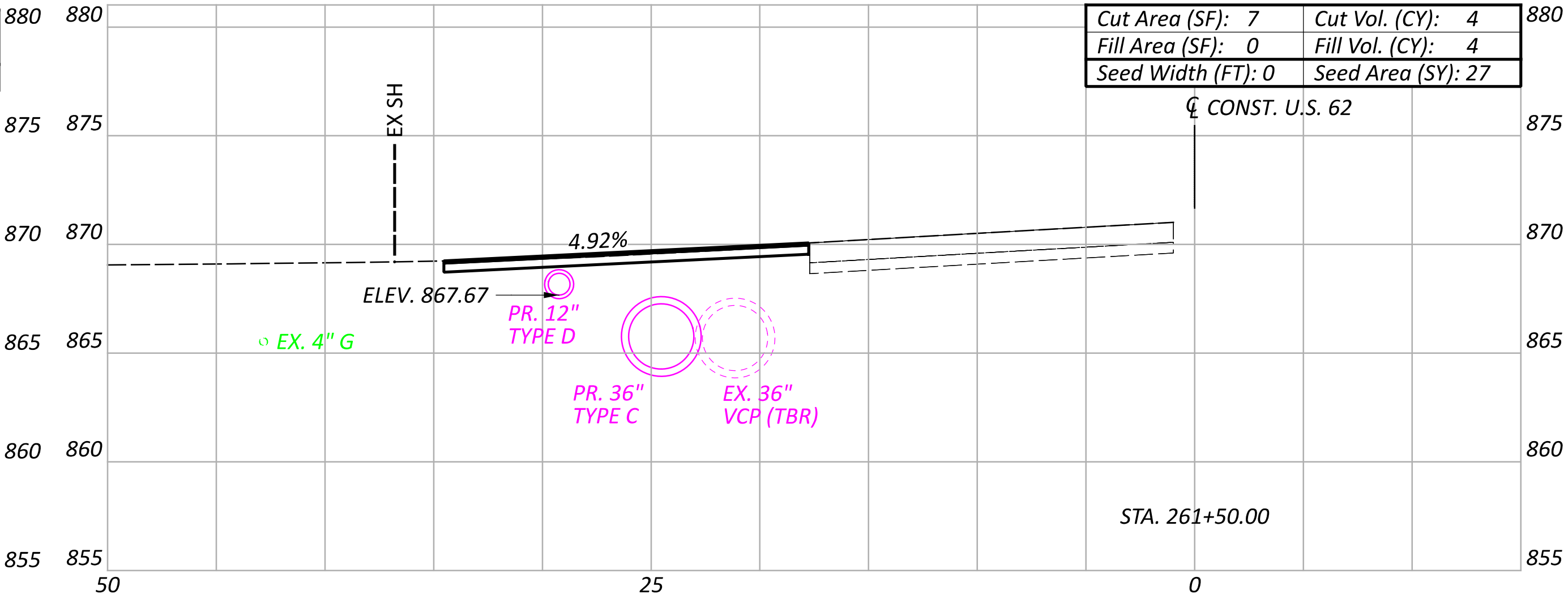
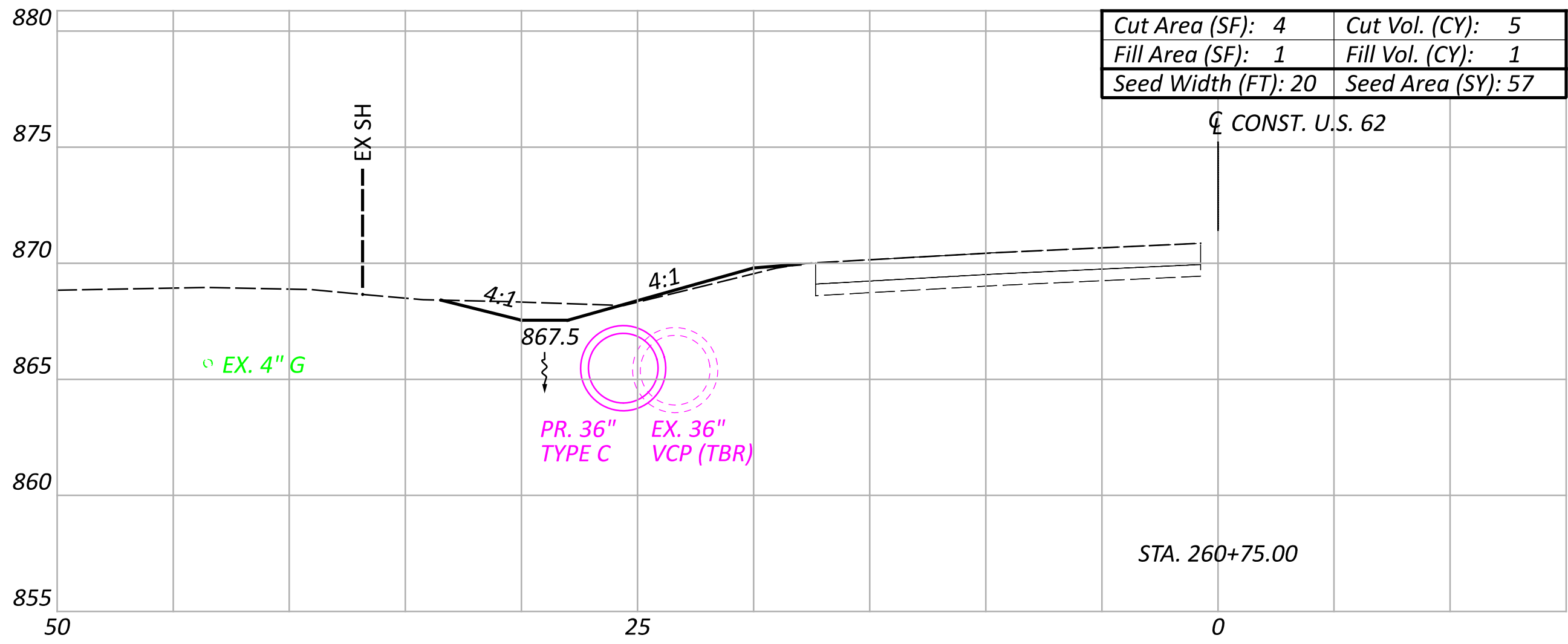
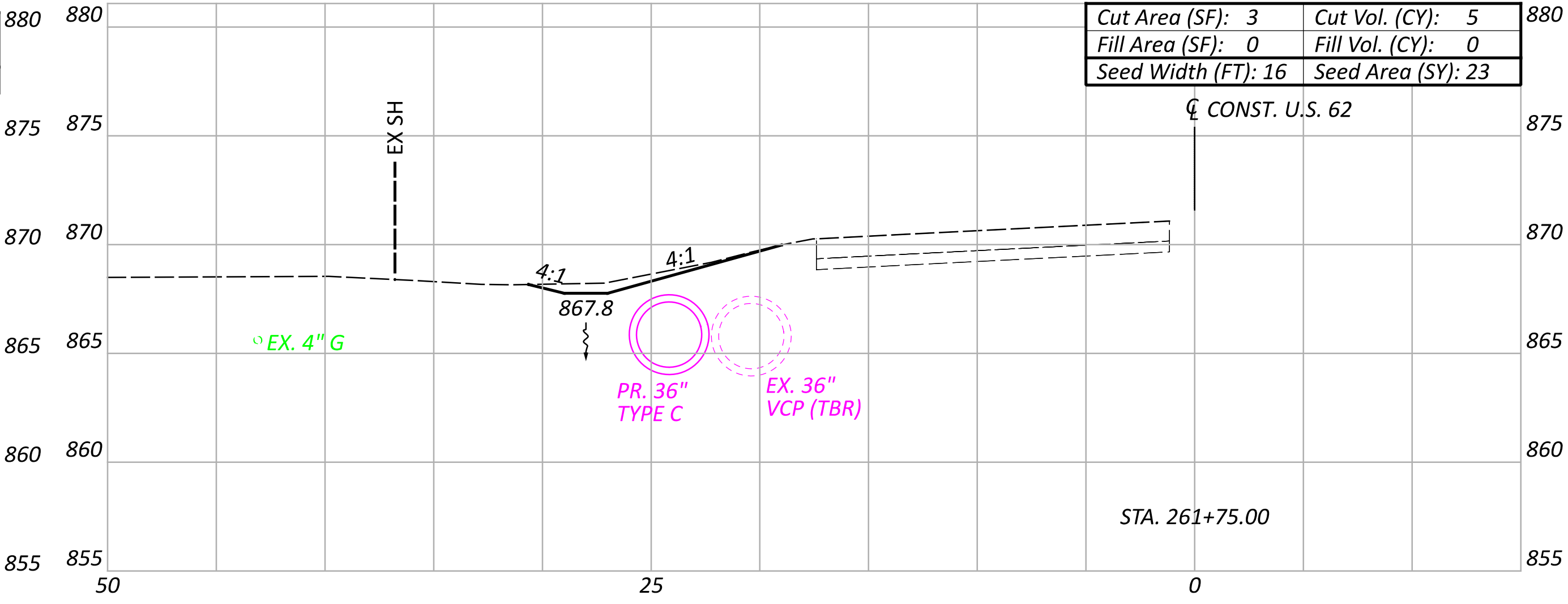
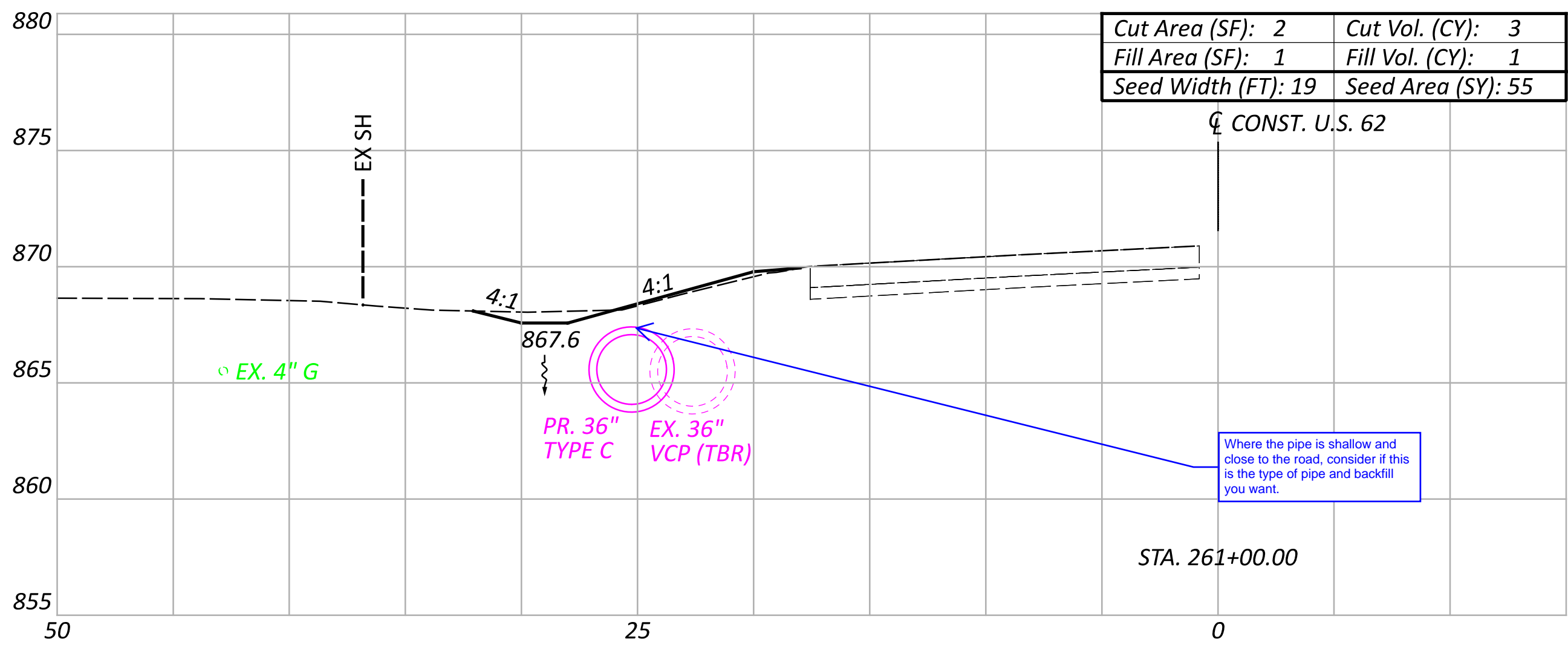
BBB

REVIEWER

SSK 06-20-25

PROJECT ID

119042



LEGEND:

(TBR) - TO BE REMOVED  
(TBF&P) - TO BE FILLED AND PLUGGED

CROSS SECTIONS - SYSTEM A  
STA. 260+50.00 TO STA. 261+75.00

DESIGN AGENCY



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COLUMBUS, OH 43231  
(614) 822-4949

DESIGNER

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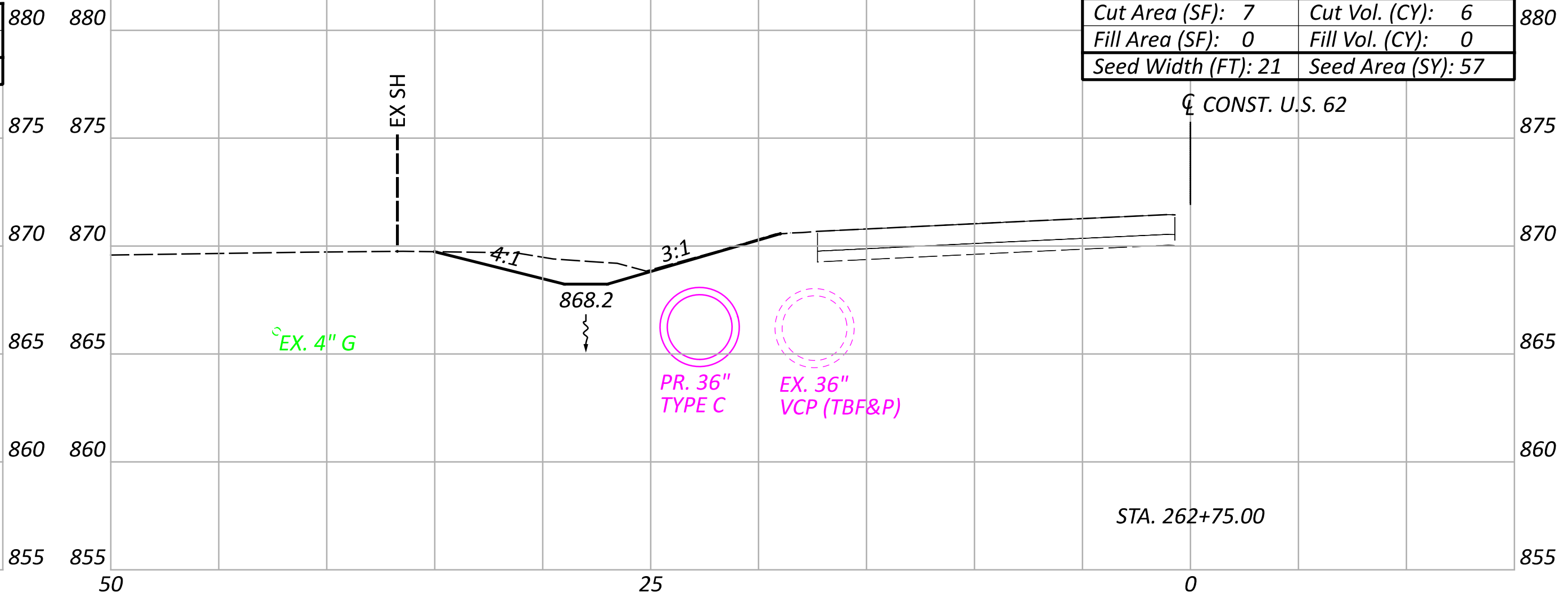
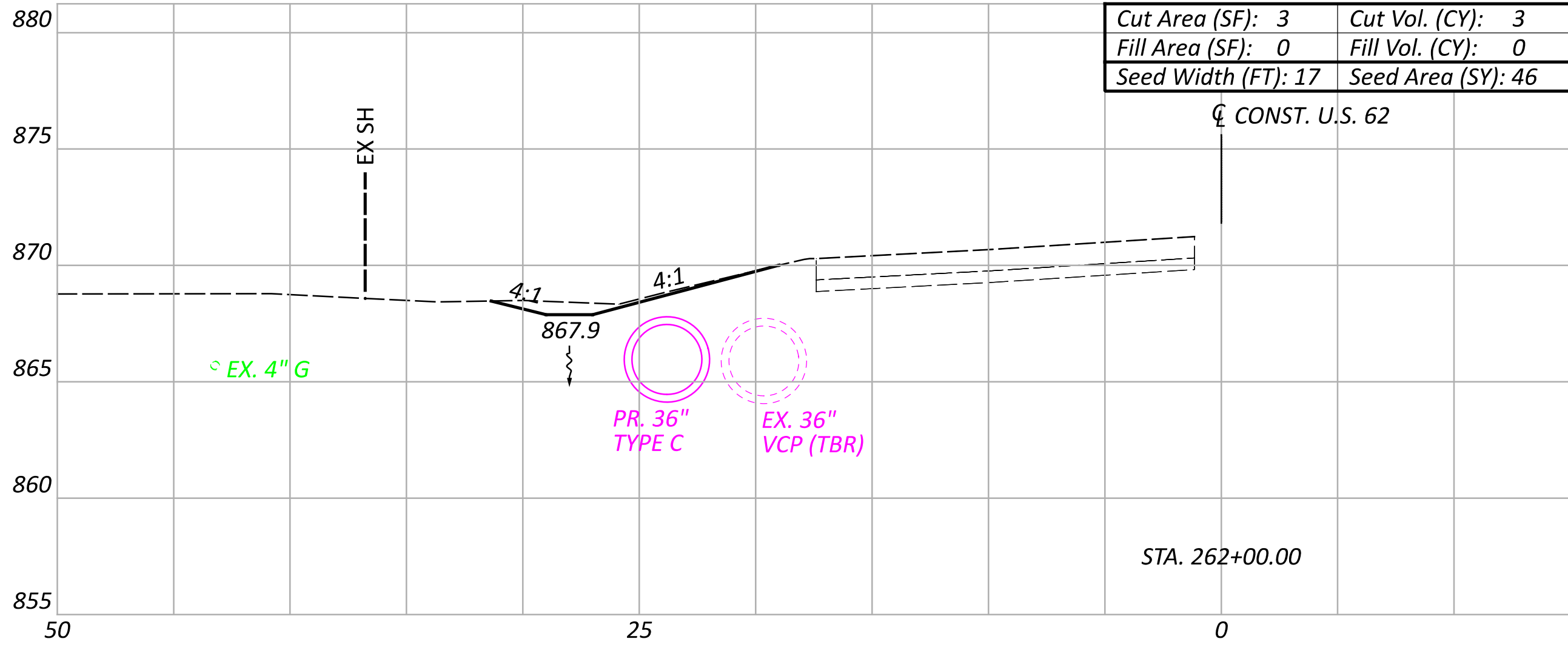
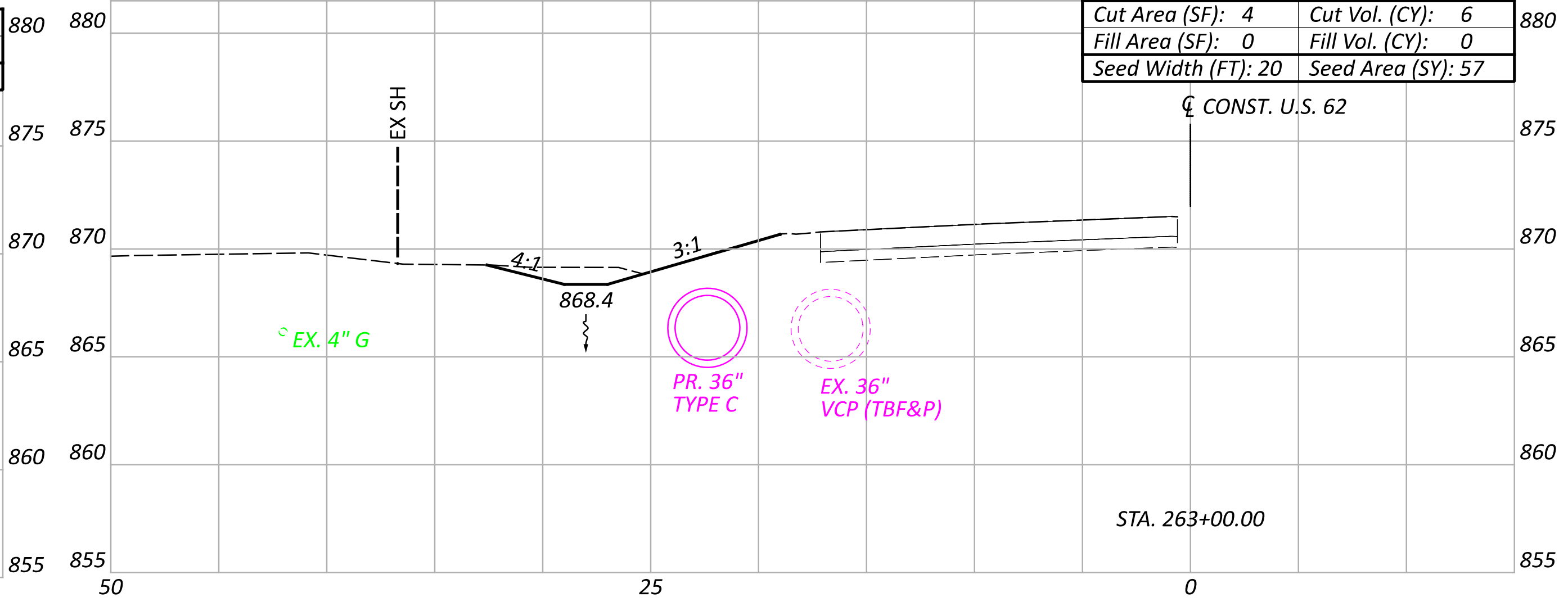
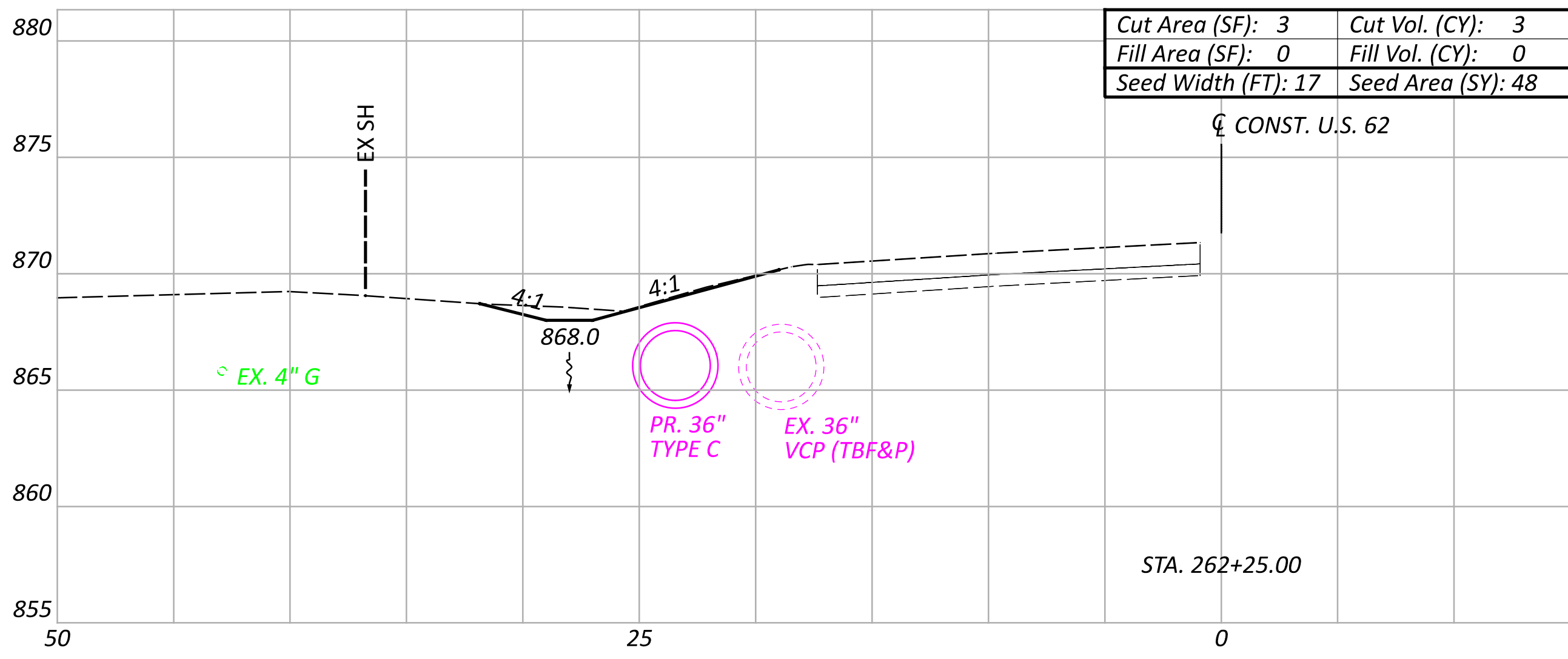
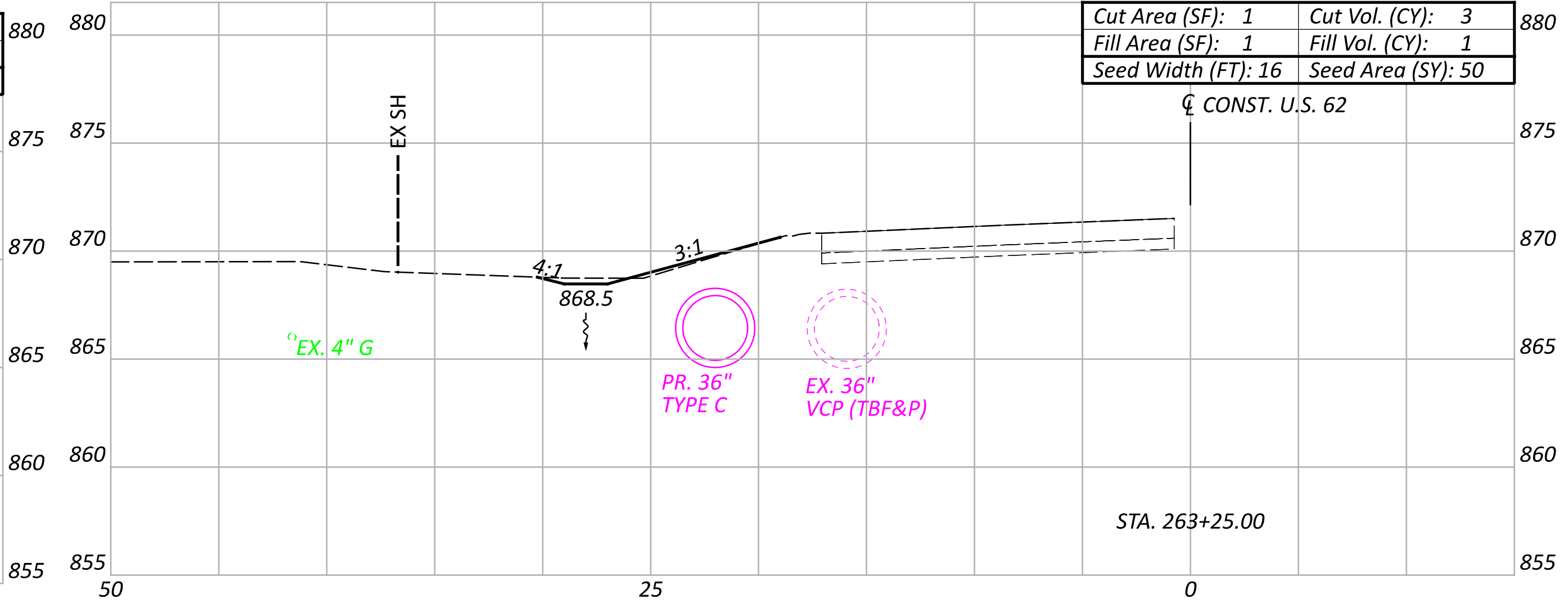
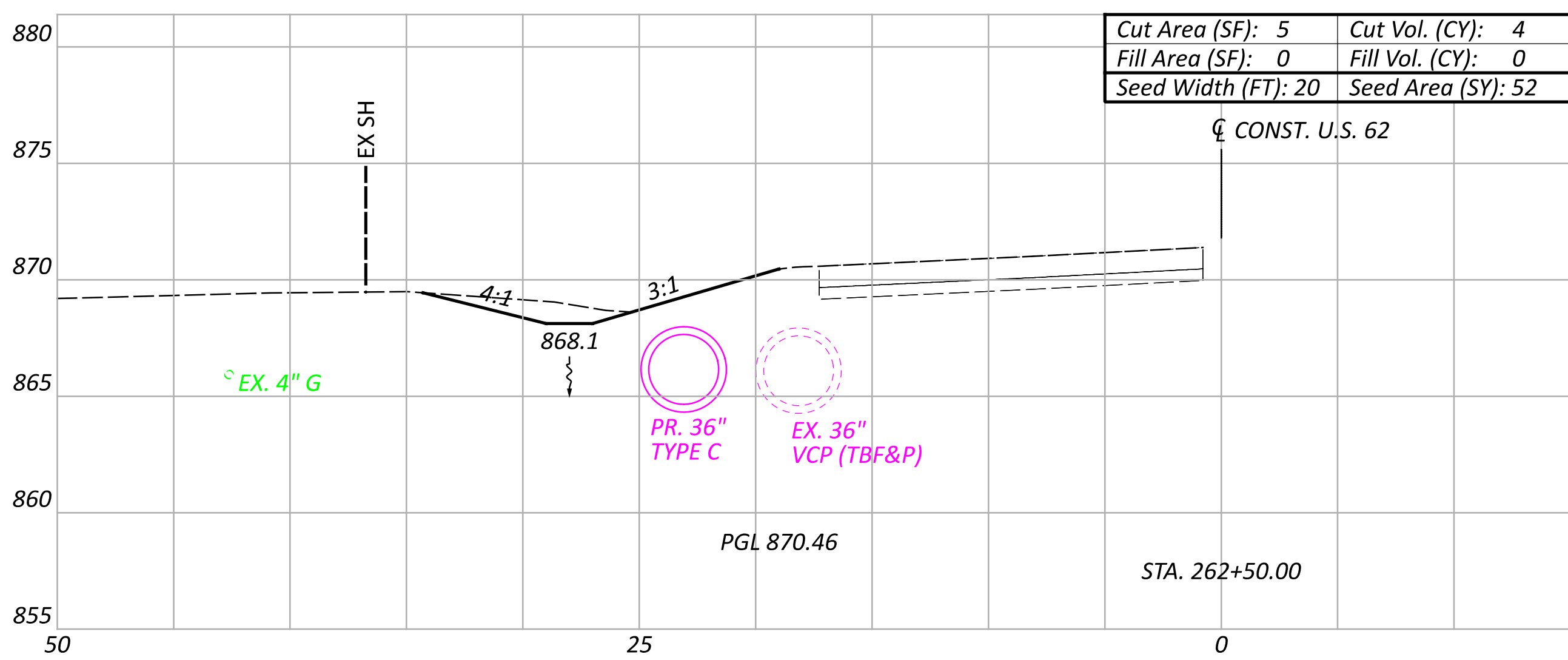
REVIEWER

SSK 06-20-25

PROJECT ID

119042

Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill		
277	25	12	P.16	24



LEGEND:

(TBR) - TO BE REMOVED  
(TBF&P) - TO BE FILLED AND PLUGGED

CROSS SECTIONS - SYSTEM A  
STA. 262+00.00 TO STA. 263+25.00

DESIGN AGENCY



DESIGNER

BBB

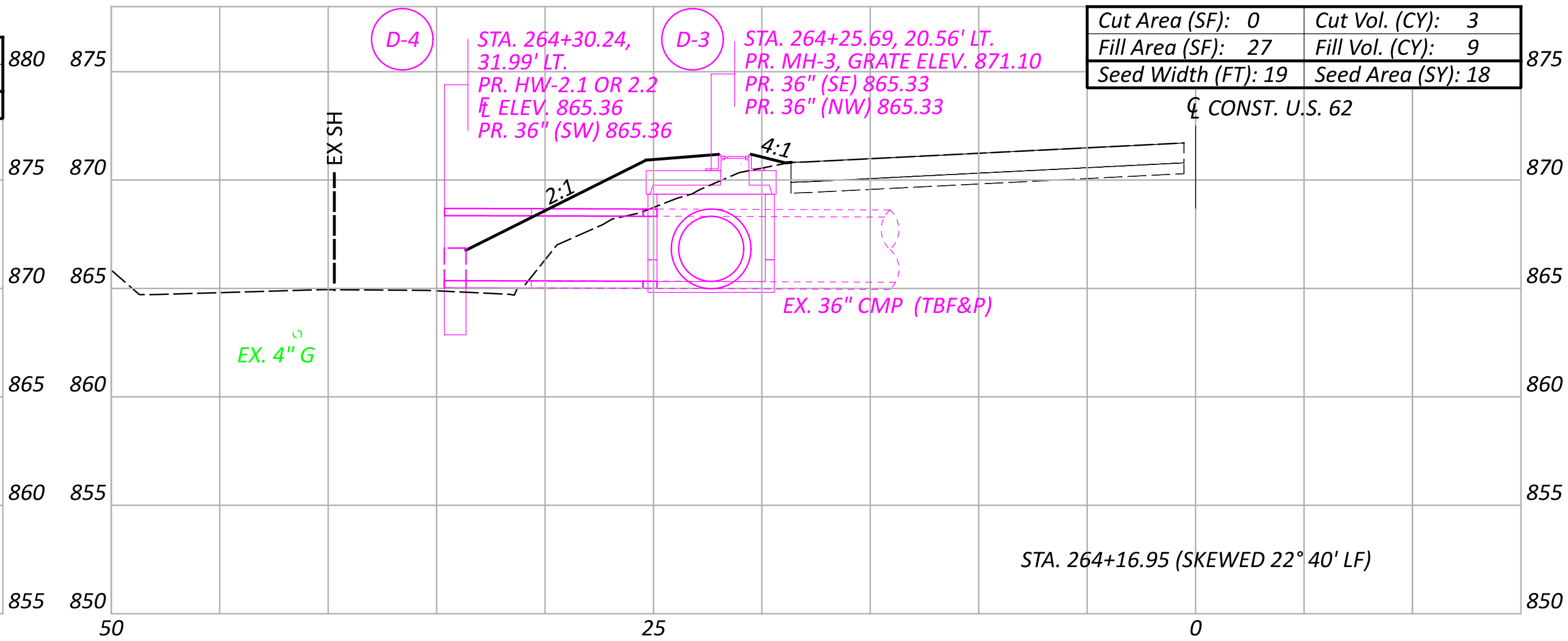
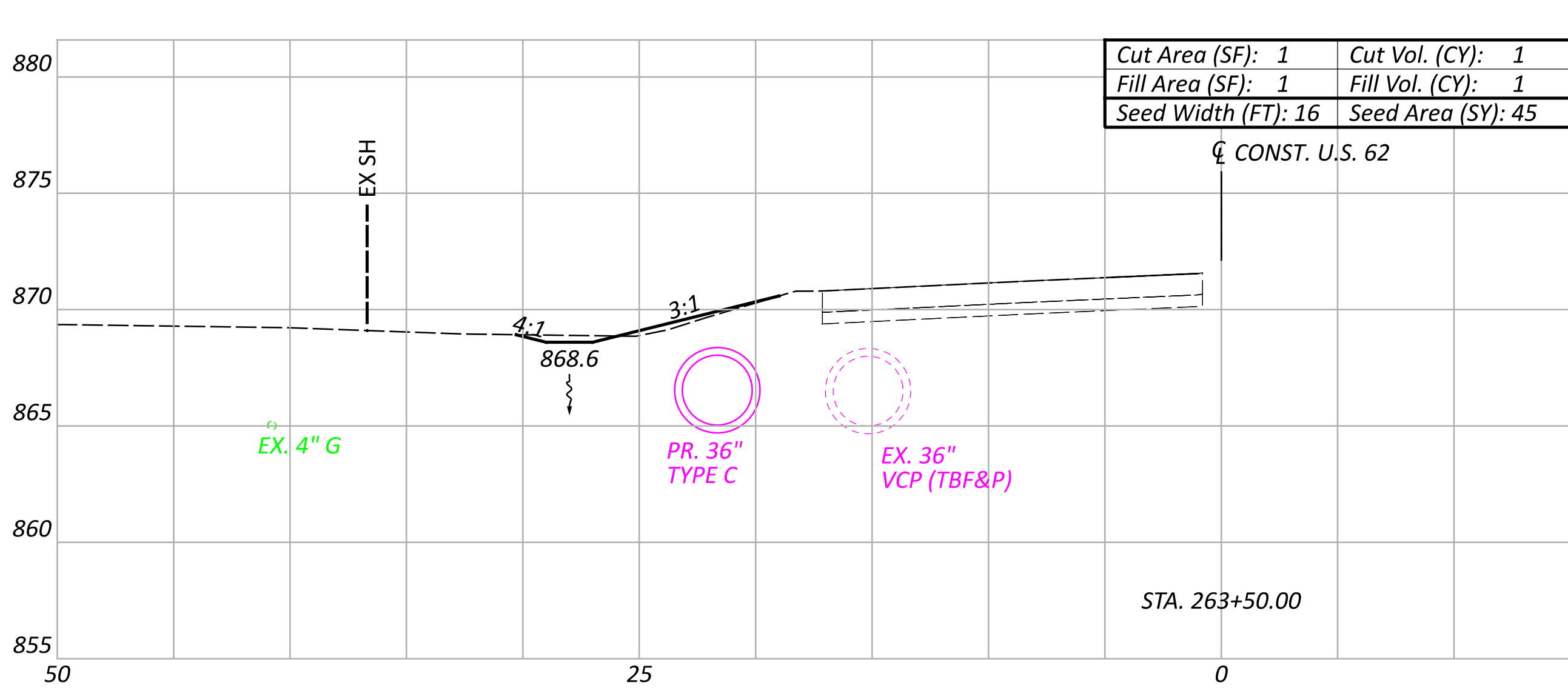
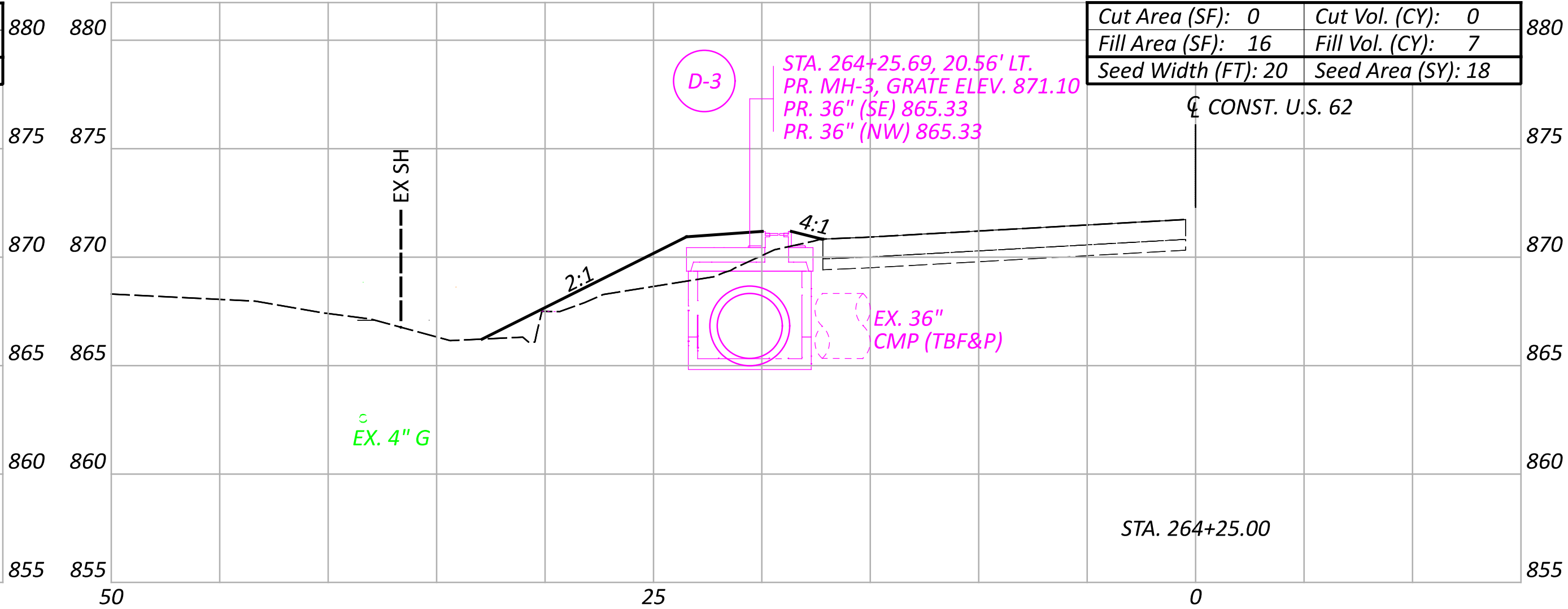
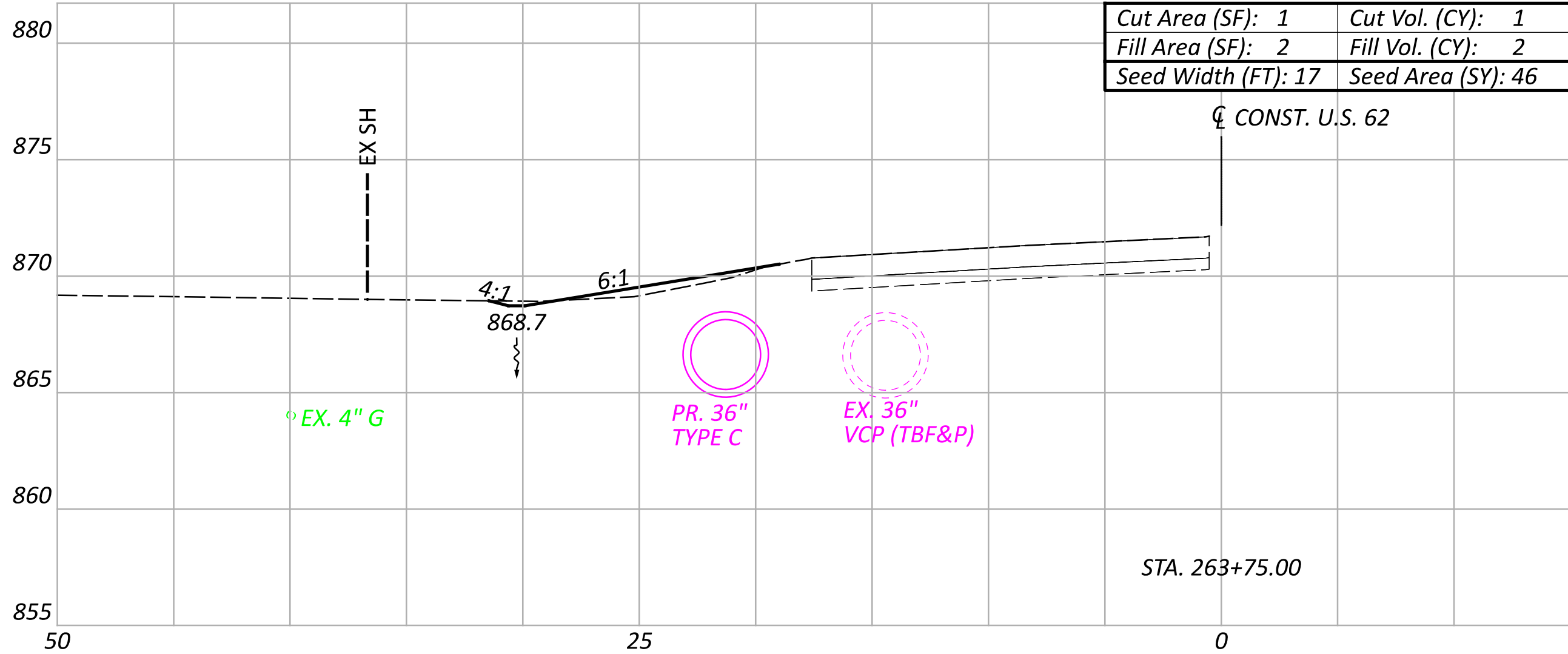
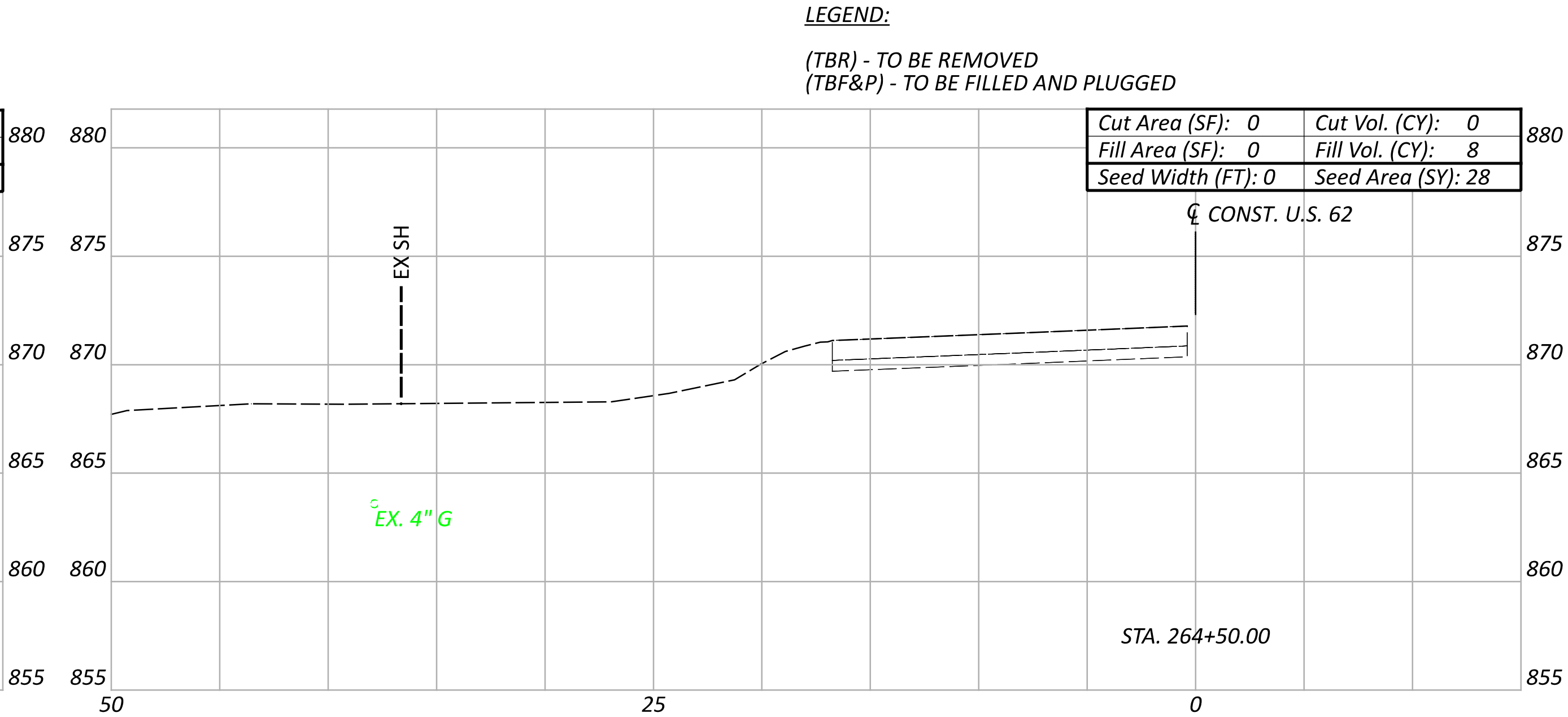
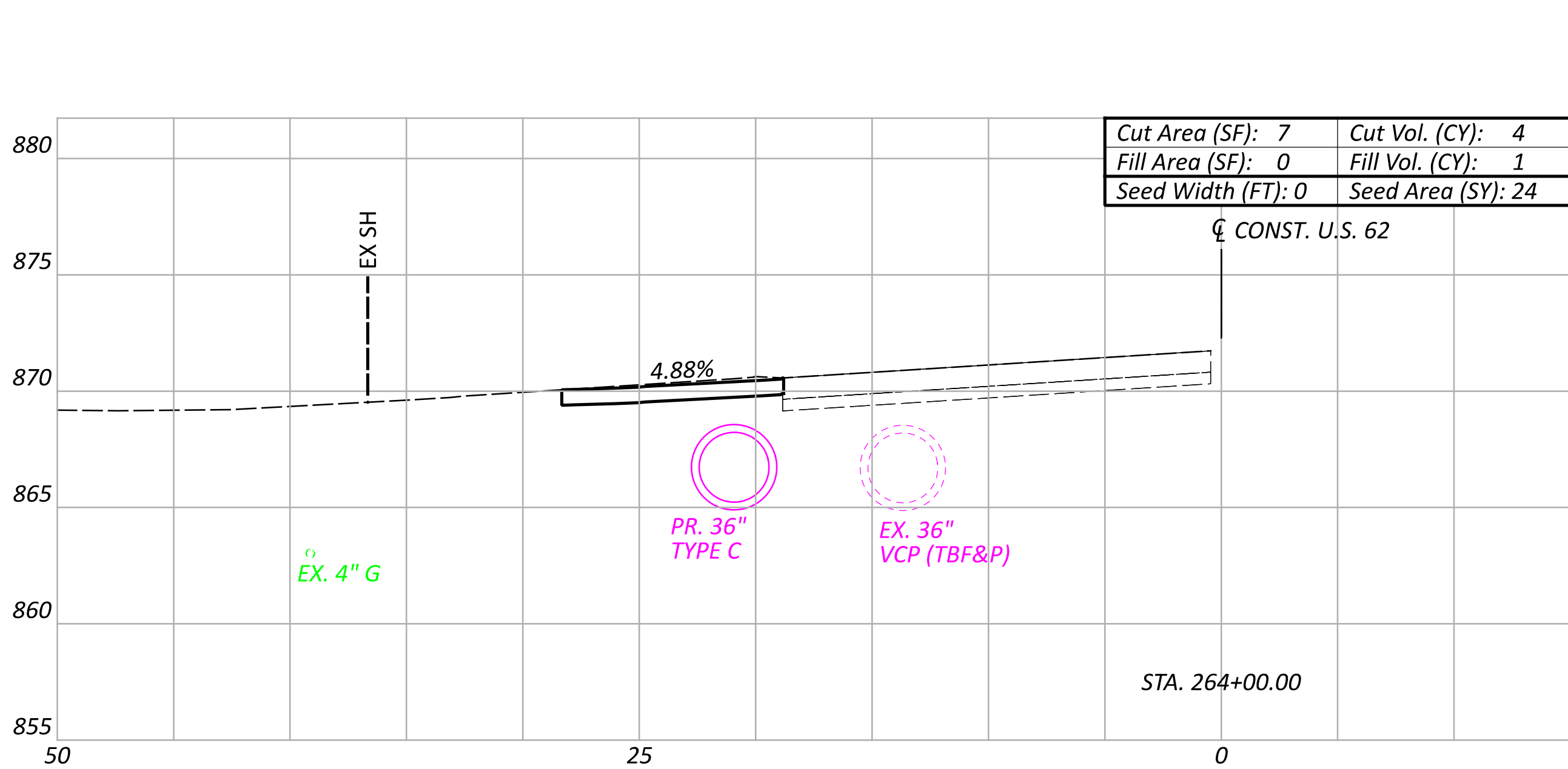
REVIEWER

SSK 06-20-25

PROJECT ID

119042

Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill		
310	25	1	P.17	24



FOR ADDITIONAL STORM SEWER DETAILS, SEE SHEET P.23  
FOR SYSTEM A EARTHWORK QUANTITIES SUMMARY, SEE SHEET P.22

Sheet Totals			SHEET TOTAL	
Seeding	Cut	Fill	P.18	24
179	9	28		

CROSS SECTIONS - SYSTEM A  
STA. 263+50.00 TO STA. 264+50.00

DESIGN AGENCY



RESOURCE  
INTERNATIONAL

6350 PRESIDENTIAL GATEWAY  
COLUMBUS, OHIO 43231  
(614) 822-4949

DESIGNER

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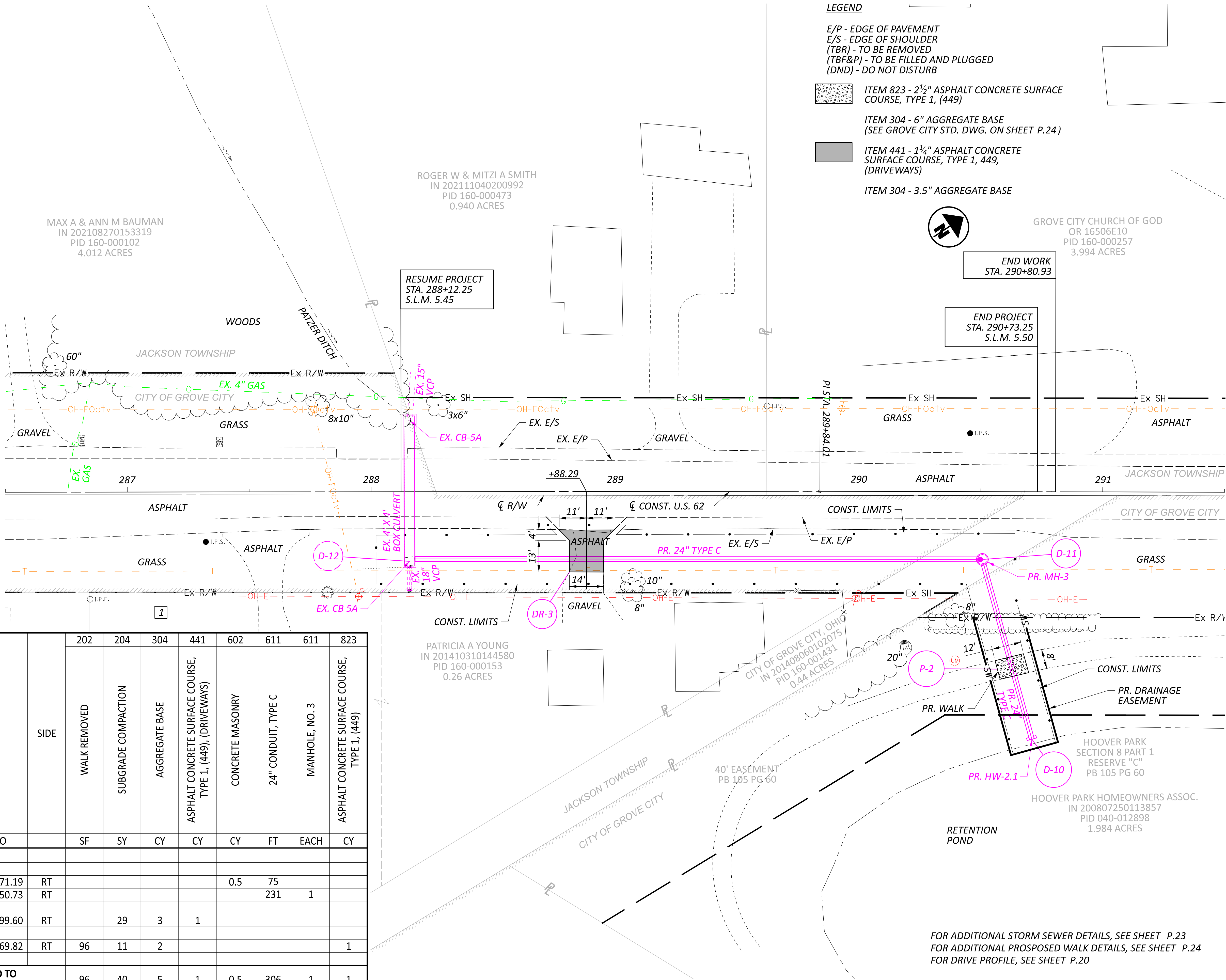
REVIEWER

SSK 06-20-25

PROJECT ID

119042

REF. NO.	STATION		SIDE	202	204	304	441	602	611	611	823
				WALK REMOVED	SUBGRADE COMPACTION	AGGREGATE BASE	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), (DRIVEWAYS)	CONCRETE MASONRY	24" CONDUIT, TYPE C	MANHOLE, NO. 3	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449)
	FROM	TO		SF	SY	CY	CY	CY	FT	EACH	CY
	SYSTEM C										
D-10	290+50.73	290+71.19	RT					0.5	75		
D-11	288+15.62	290+50.73	RT						231	1	
DR-3	288+77.12	288+99.60	RT		29	3	1				
P-2	290+56.01	290+69.82	RT	96	11	2					1
TOTALS CARRIED TO GENERAL SUMMARY				96	40	5	1	0.5	306	1	1



**LEGEND**

E/P - EDGE OF PAVEMENT  
E/S - EDGE OF SHOULDER  
(TBR) - TO BE REMOVED  
(TBF&P) - TO BE FILLED AND PLUGGED  
(DND) - DO NOT DISTURB

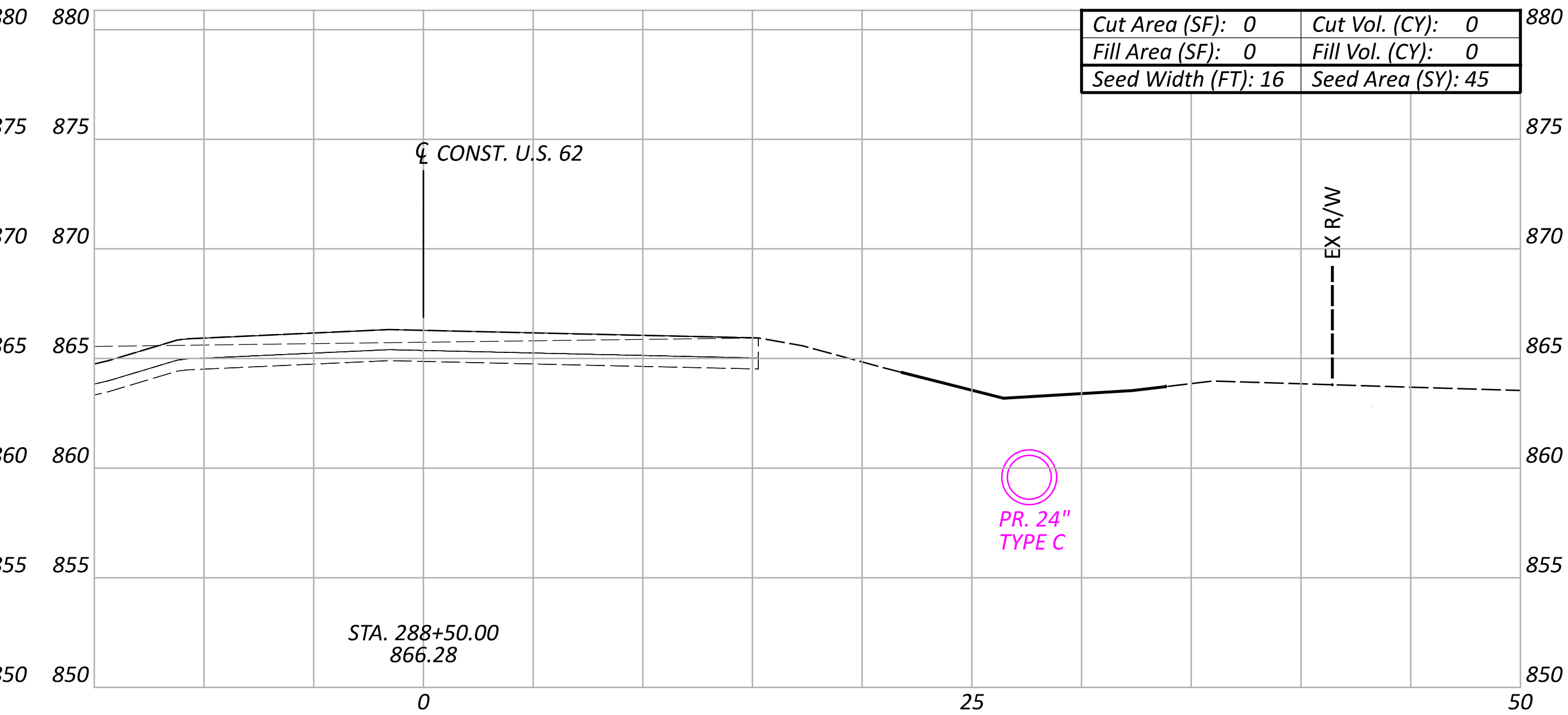
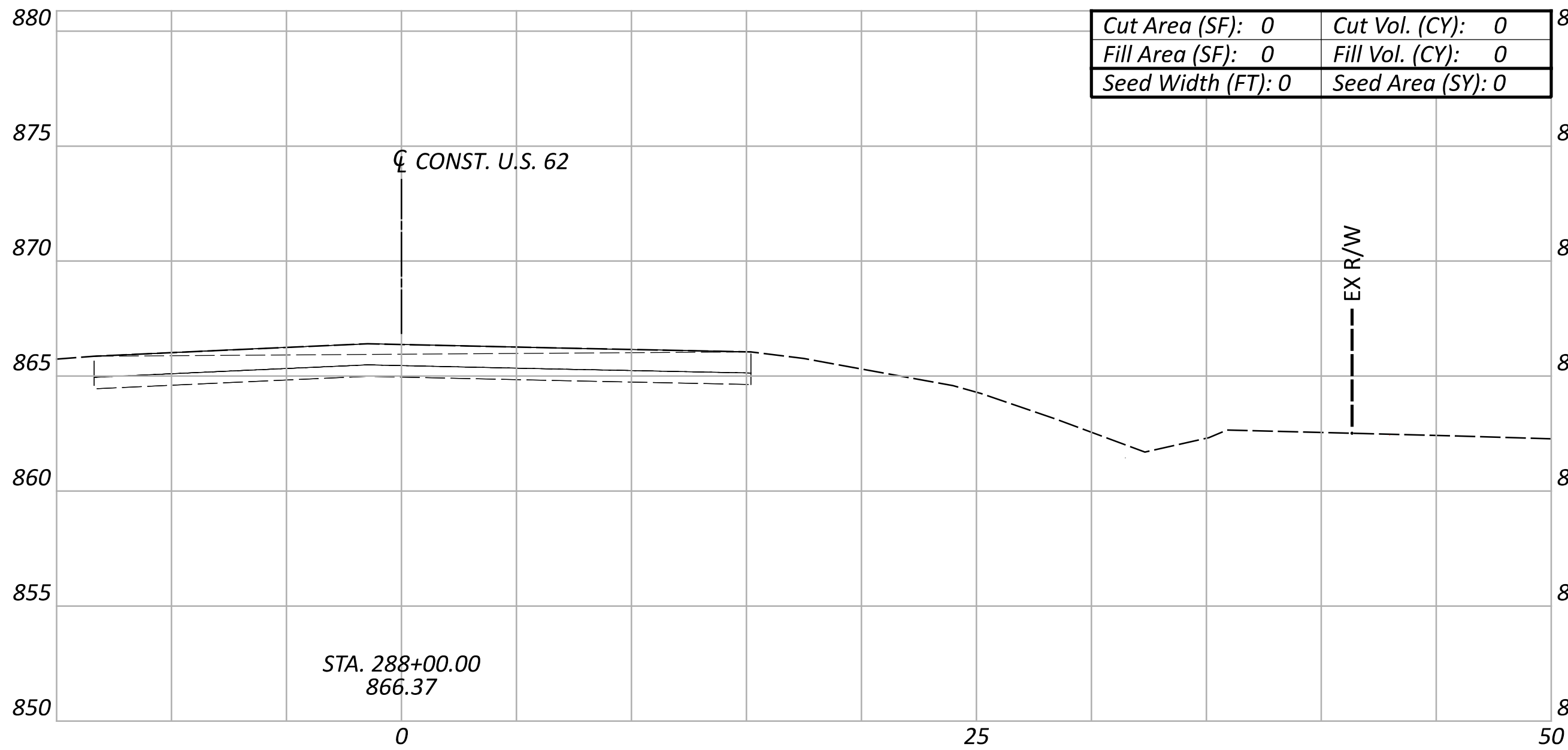
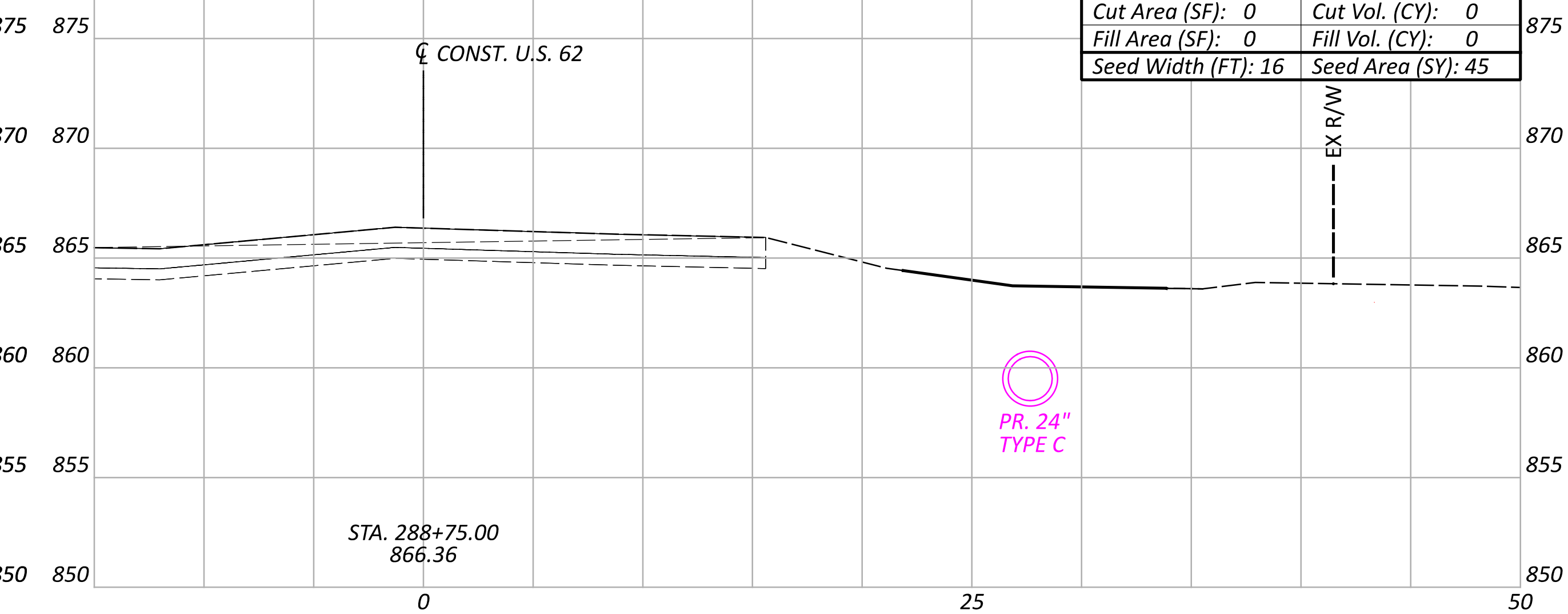
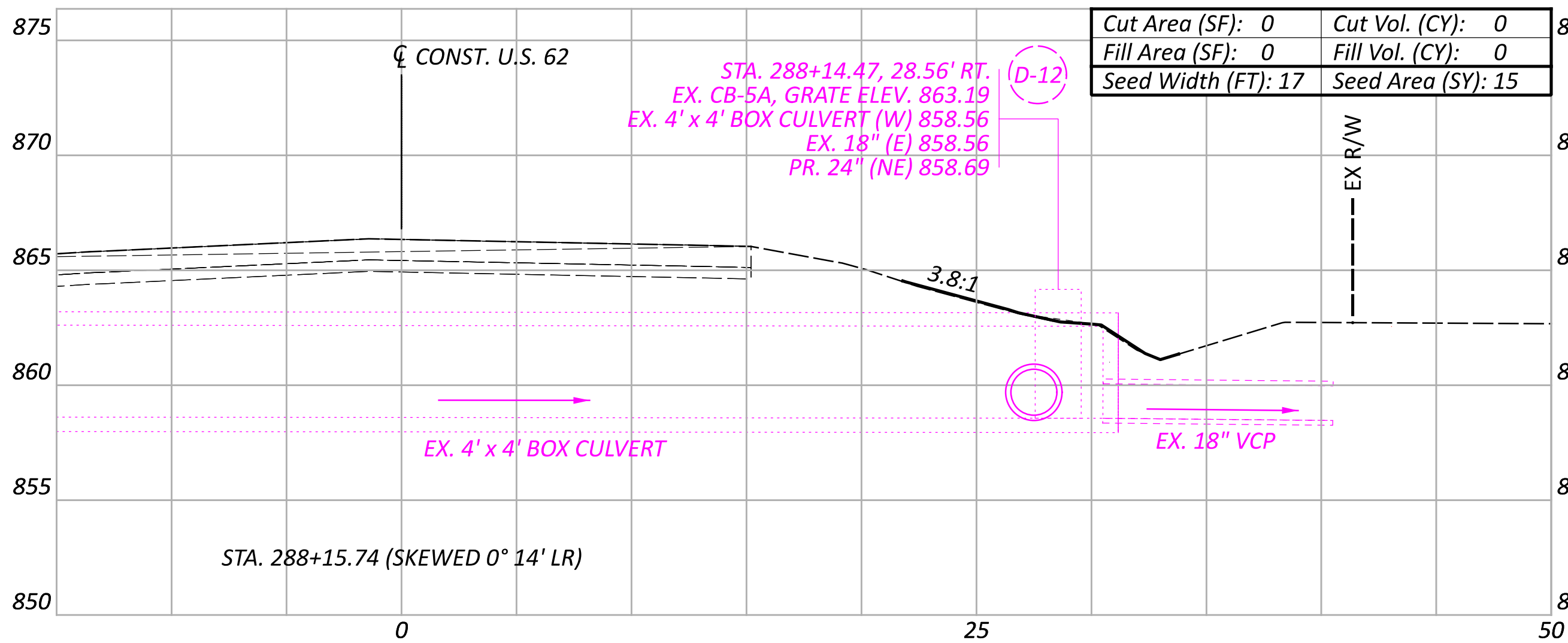
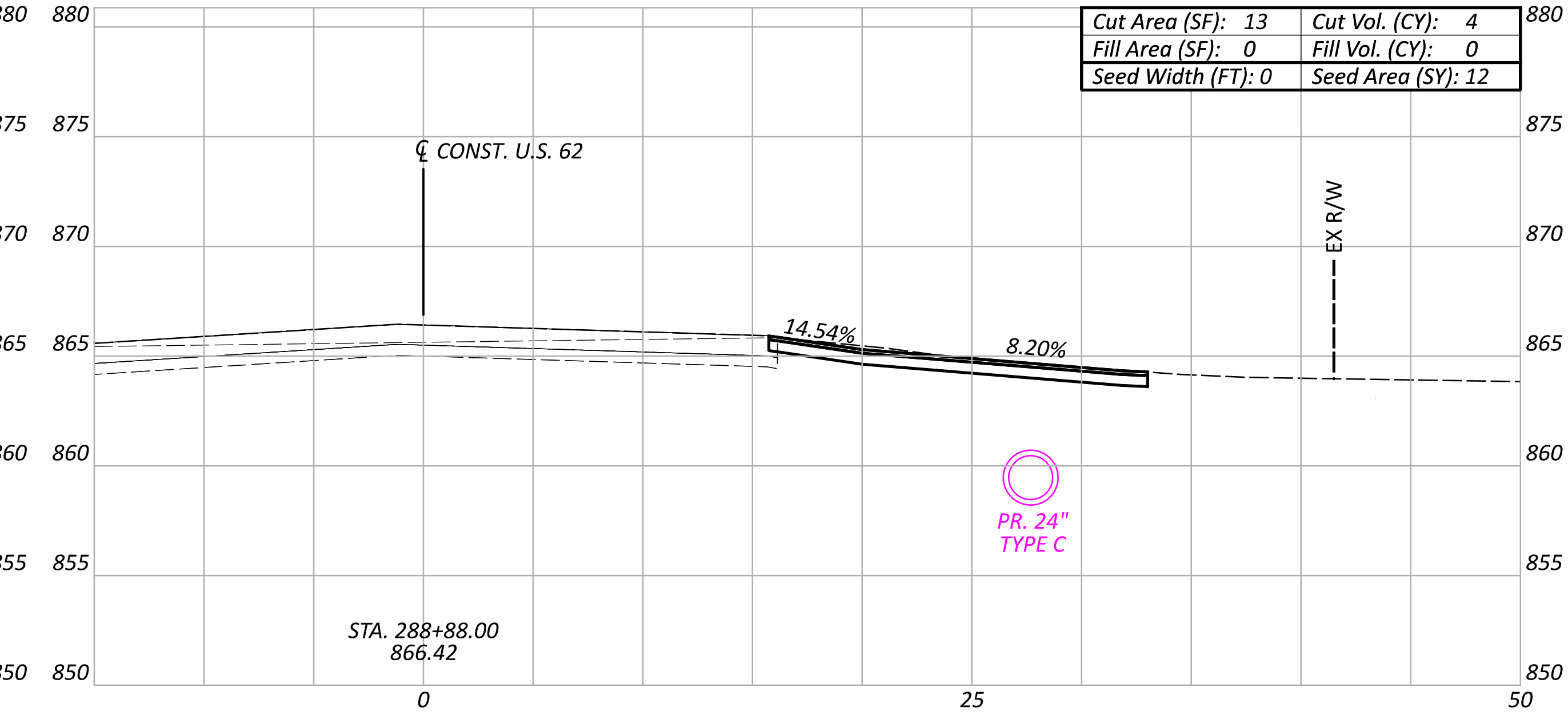
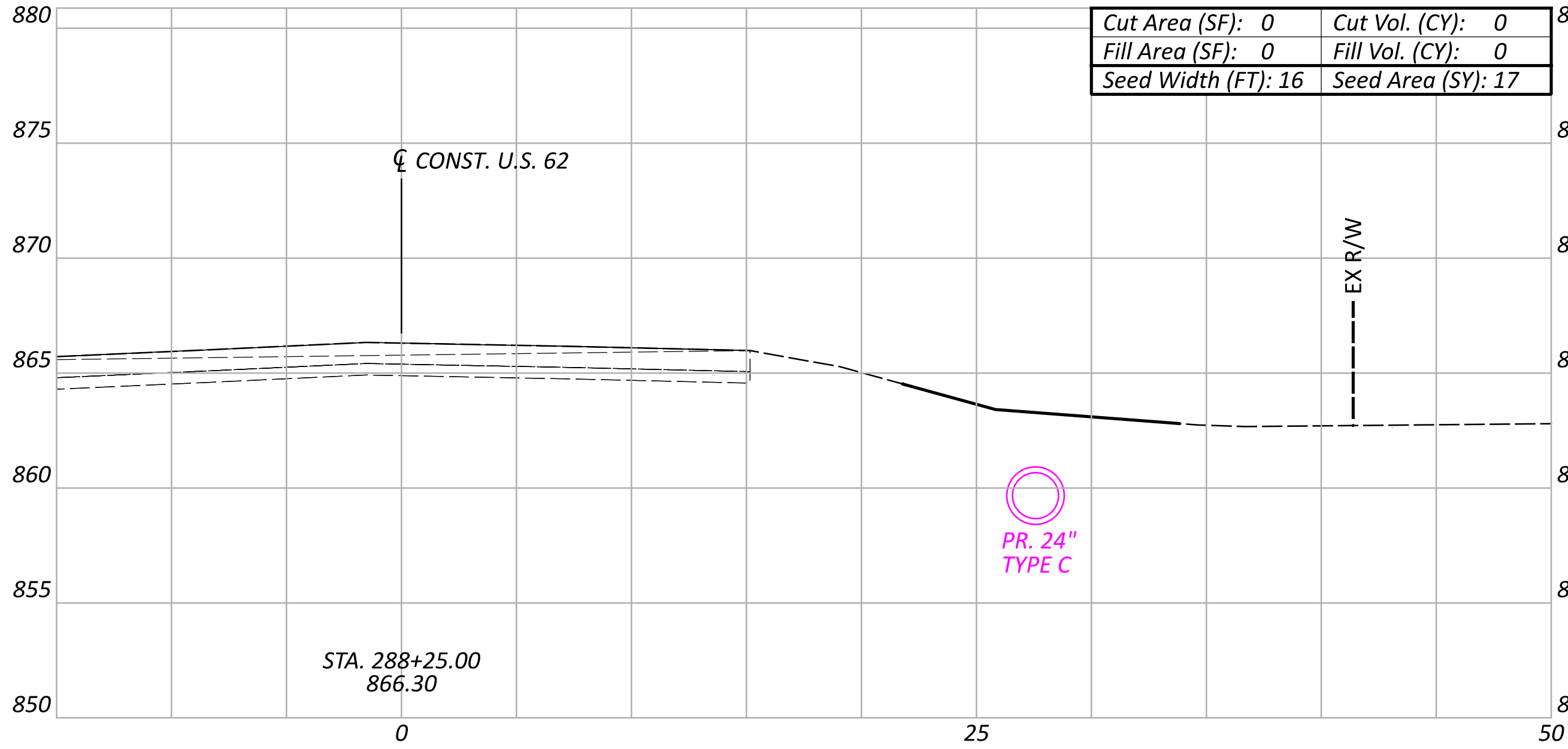
ITEM 823 - 2½" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449)

ITEM 304 - 6" AGGREGATE BASE (SEE GROVE CITY STD. DWG. ON SHEET P.24)

ITEM 441 - 1¼" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, 449, (DRIVEWAYS)

ITEM 304 - 3.5" AGGREGATE BASE

PLAN - SYSTEM C  
STA. 286+50.00 TO STA. 291+50.00



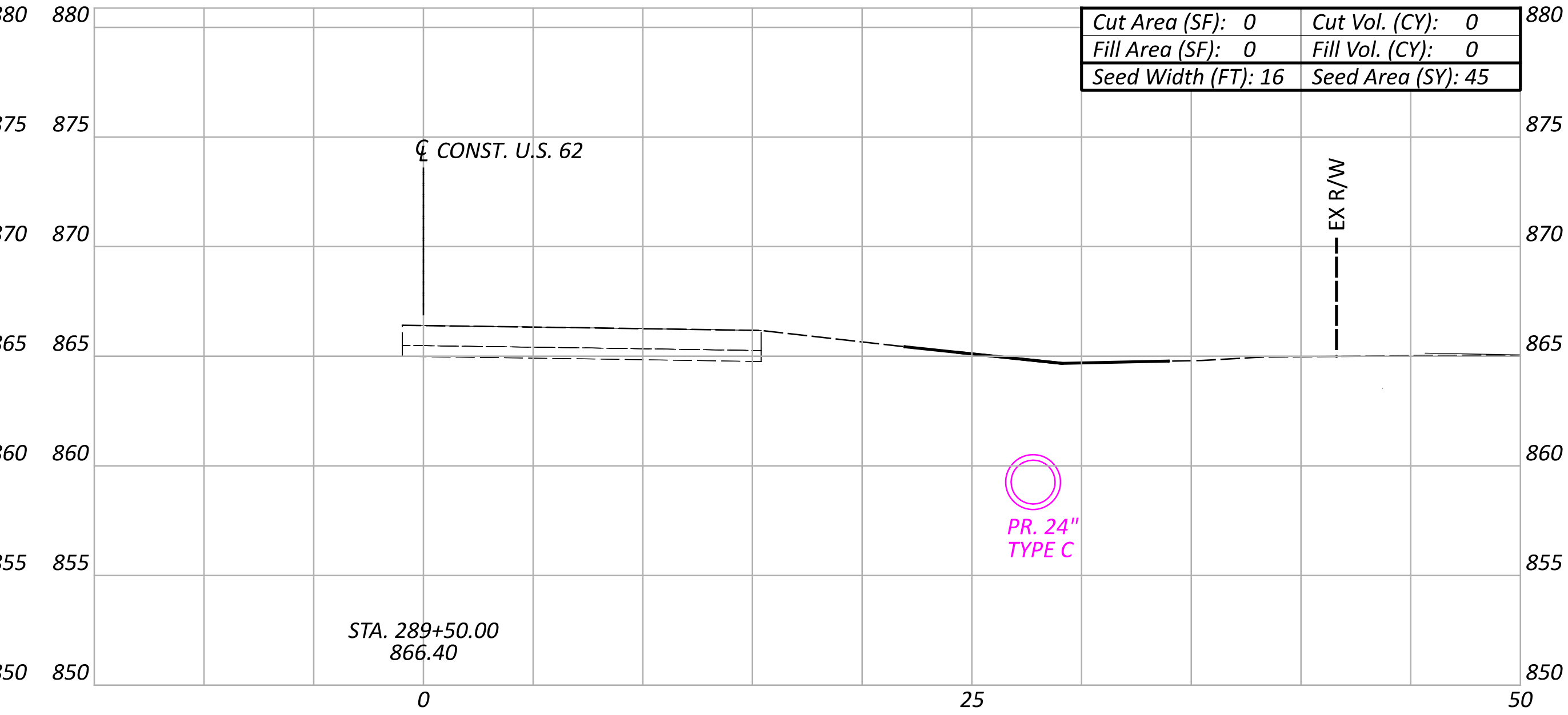
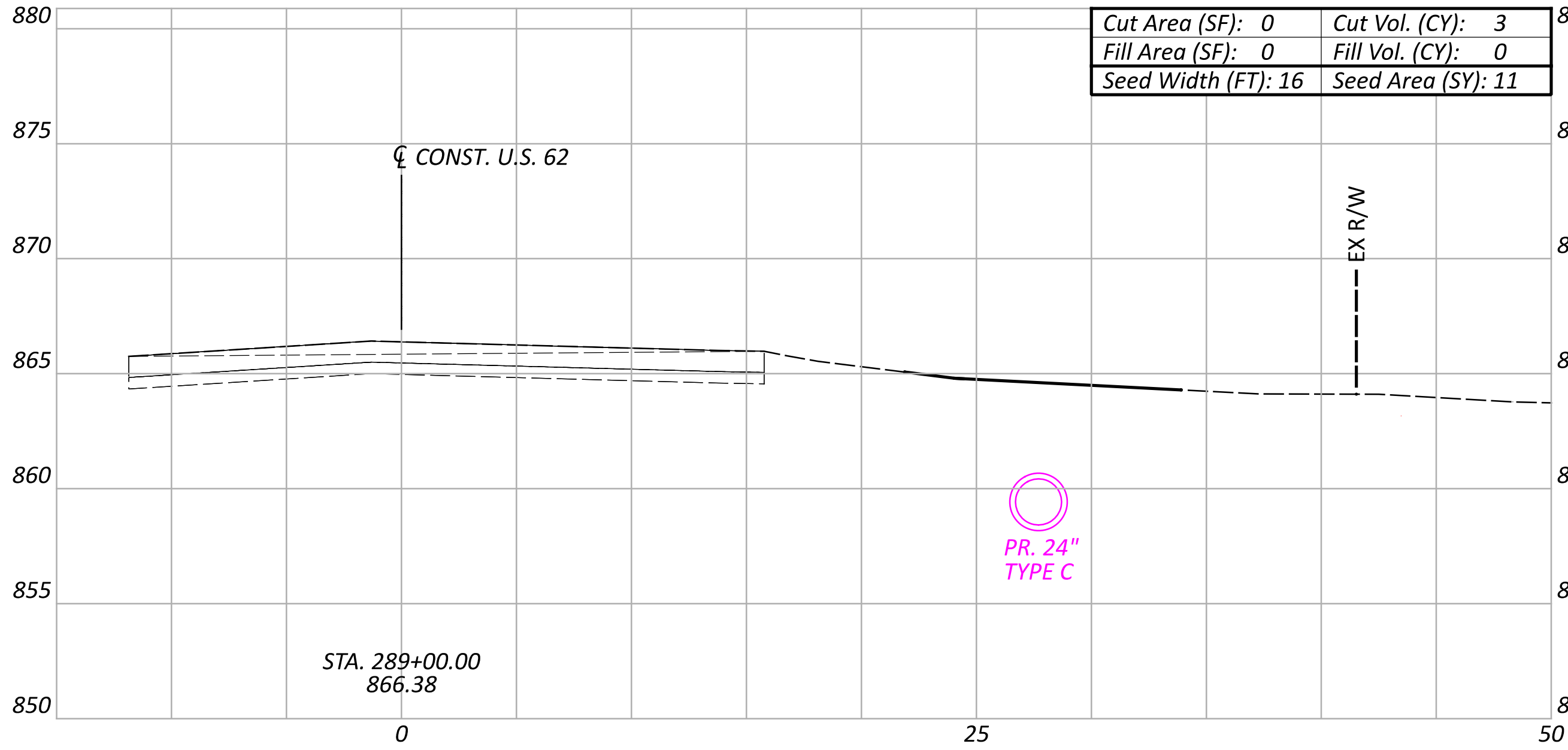
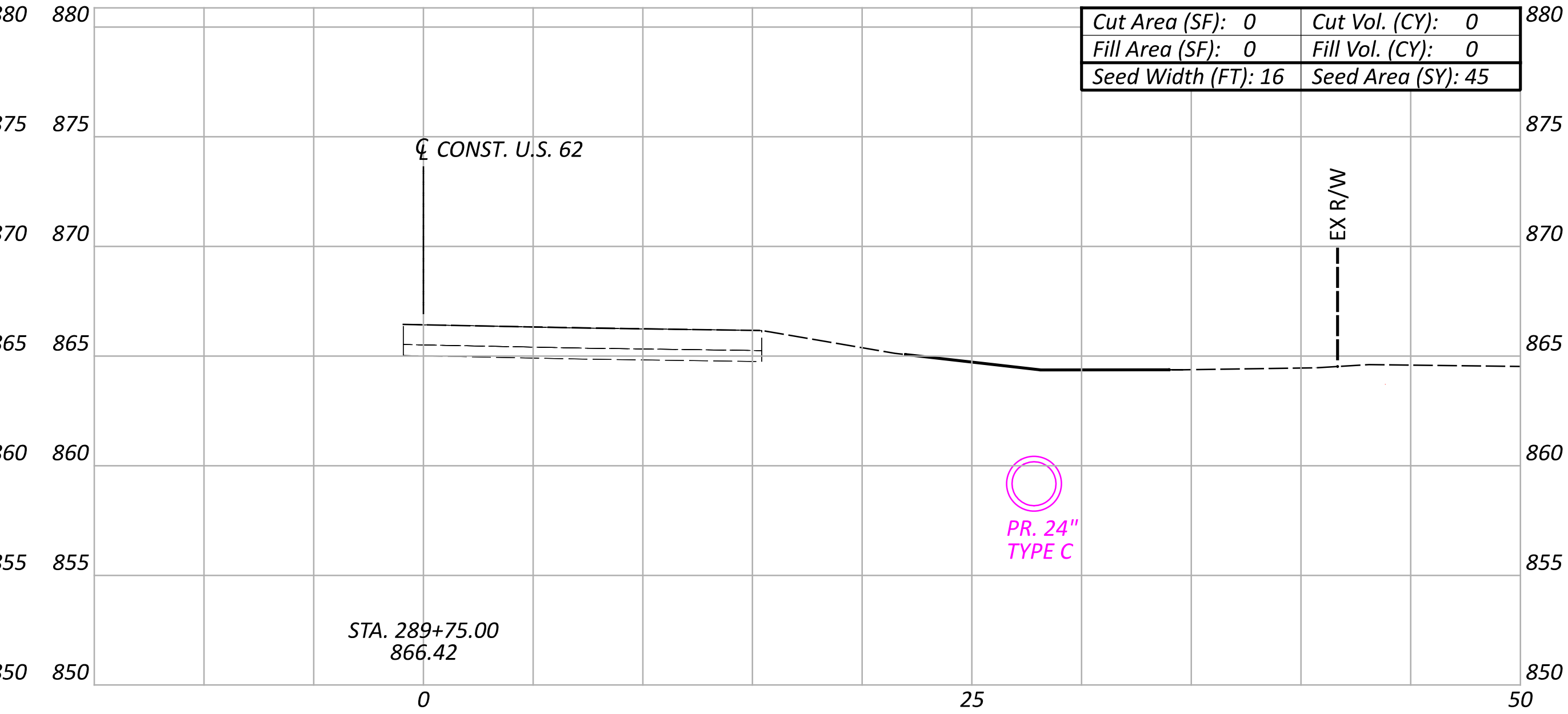
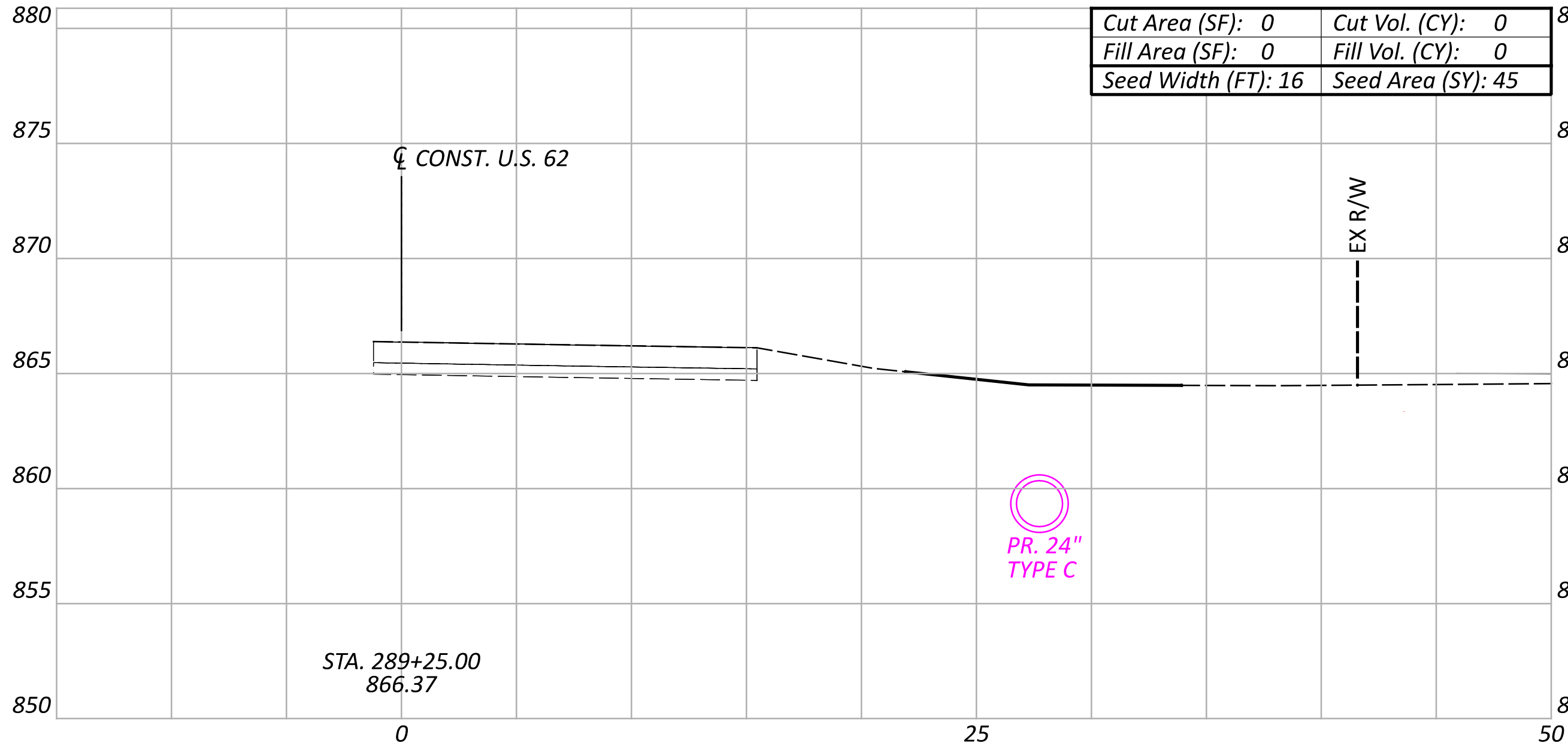
CROSS SECTIONS - SYSTEM C  
STA. 288+00.00 TO STA. 288+88.00

DESIGN AGENCY



DESIGNER  
BBB  
REVIEWER  
SSK 06-20-25  
PROJECT ID  
119042

Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill		
134	4	0	P.20	24



Sheet Totals			SHEET TOTAL	
Seeding	Cut	Fill	P.21	24
146	3	0		

DESIGN AGENCY



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COLUMBUS, OHIO 43231  
(614) 822-4949

DESIGNER

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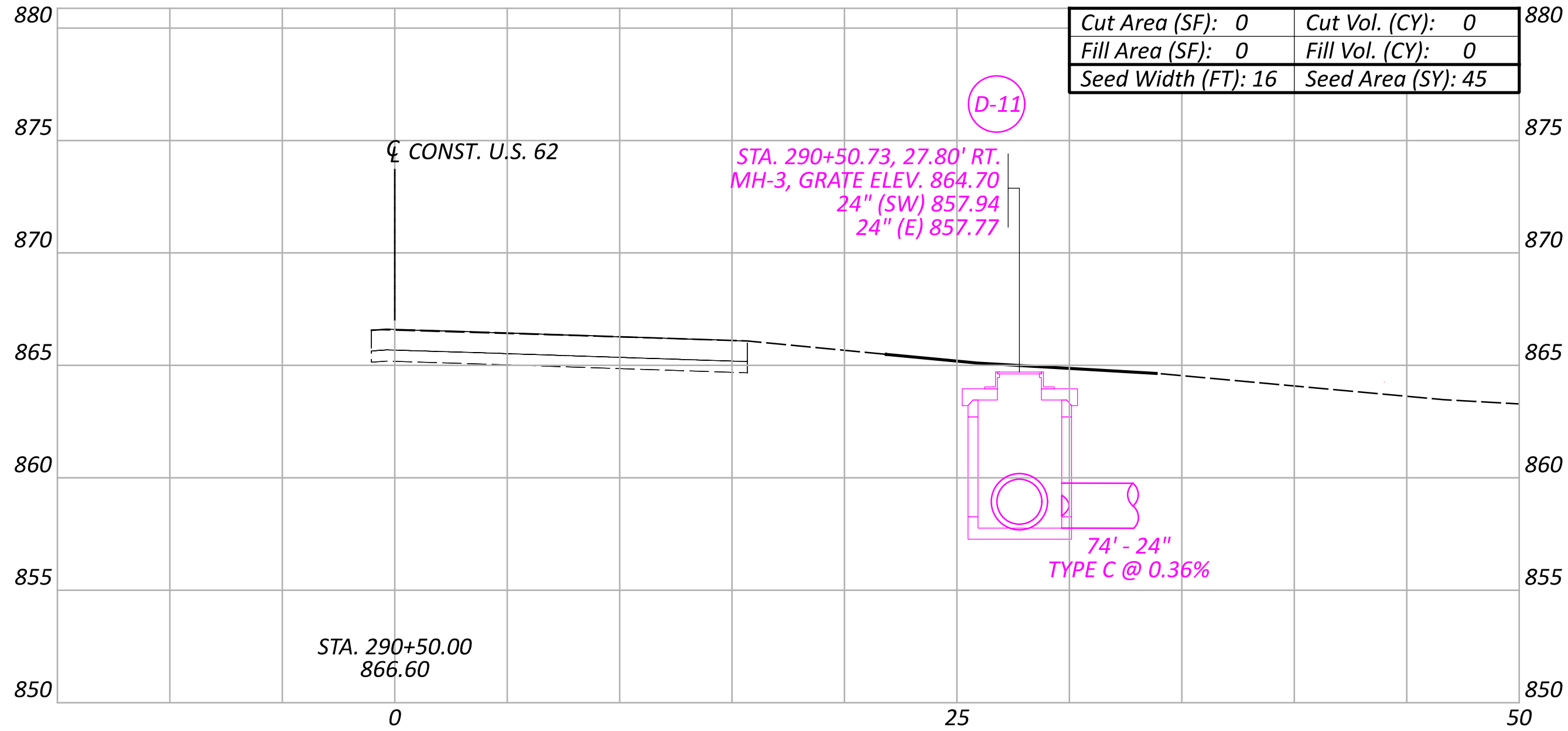
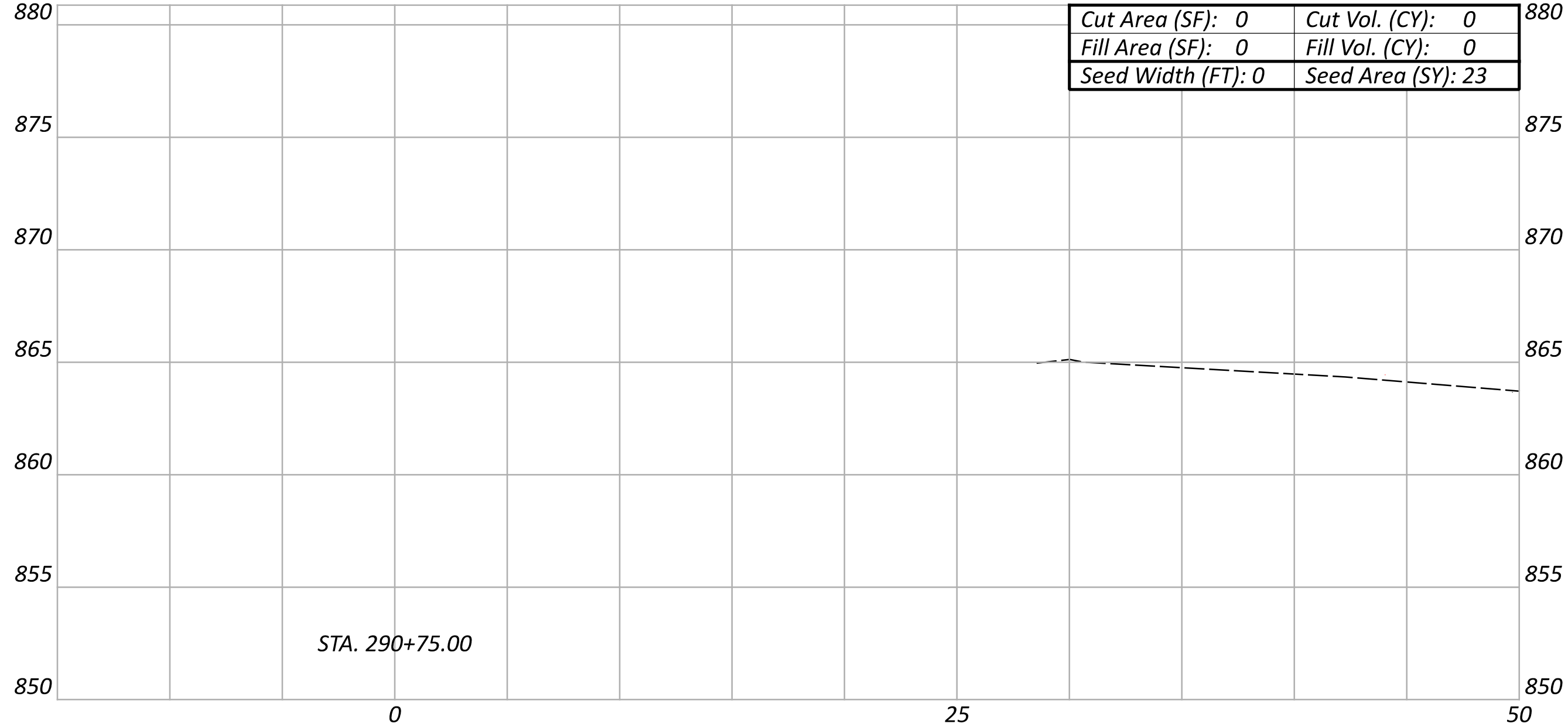
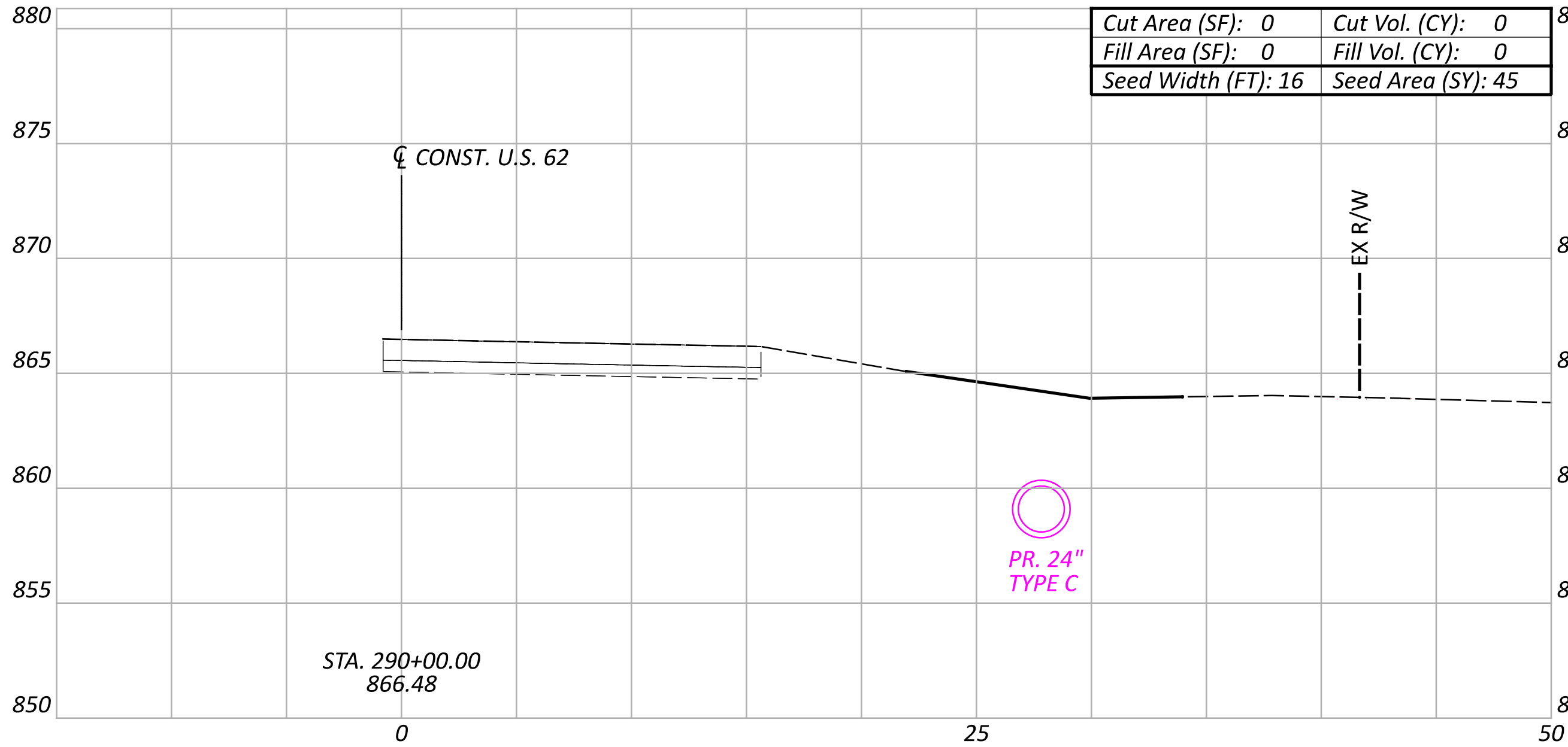
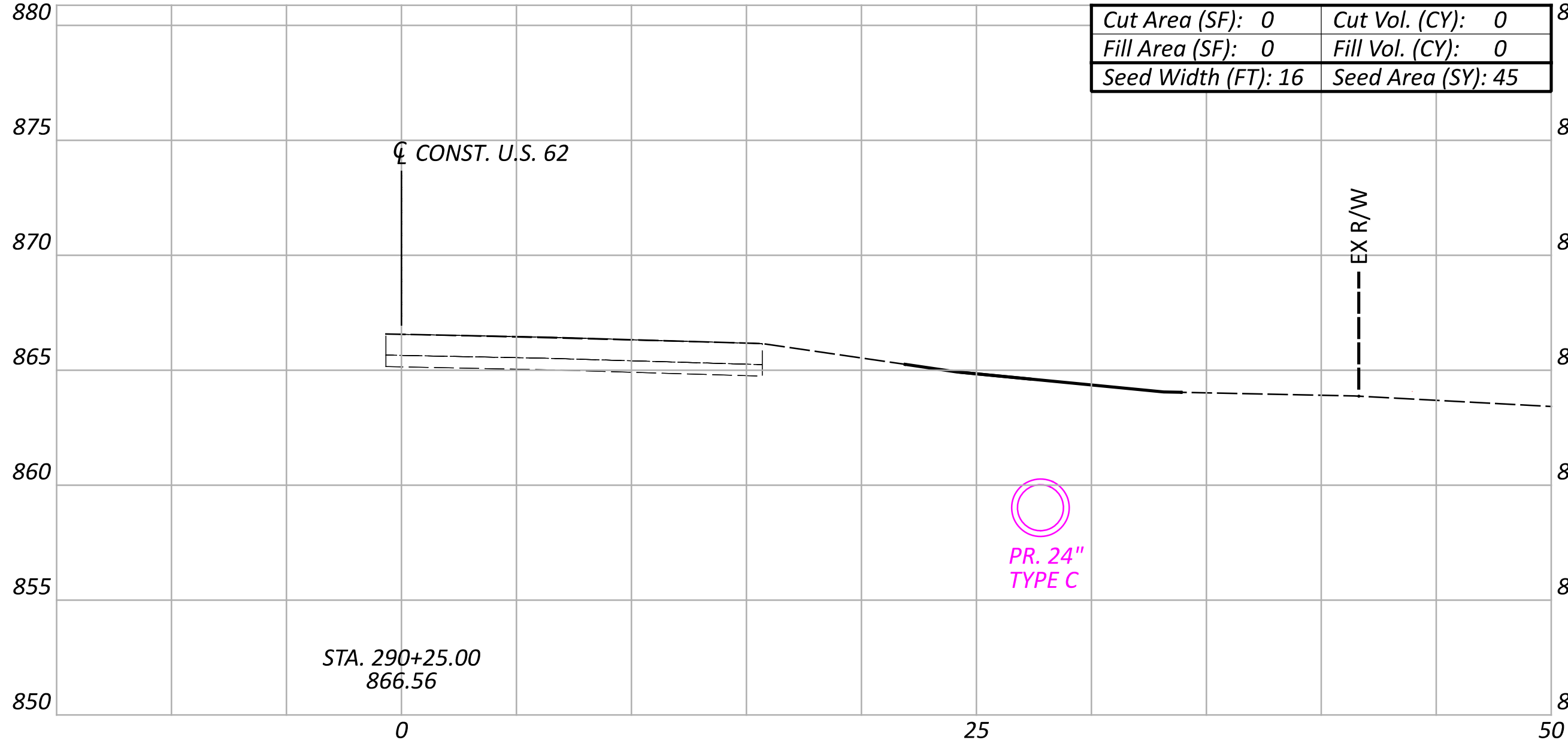
REVIEWER

SSK 06-20-25

PROJECT ID

119042

CROSS SECTIONS - SYSTEM C  
STA. 289+00.00 TO STA. 289+75.00



FOR ADDITIONAL STORM SEWER DETAILS, SEE SHEET P.23

EARTHWORK AND SEEDING SUBSUMMARY			
SHEET NO.	203	203	659
	EXCAVATION CY	EMBANKMENT CY	SEEDING & MULCHING SY
SYSTEM A			
P.15	30	4	247
P.16	25	12	277
P.17	25	1	310
P.18	9	28	179
SYSTEM C			
P.20	4	0	134
P.21	3	0	146
P.22	0	0	158
TOTALS CARRIED TO GENERAL SUMMARY	96	45	1,451

Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill		
158	0	0	P.22	24

CROSS SECTIONS - SYSTEM C  
STA. 290+00.00 TO STA. 290+75.00

DESIGN AGENCY



RESOURCE  
INTERNATIONAL

6350 PRESIDENTIAL GATEWAY  
COLUMBUS, OHIO 43231  
(614) 822-4949

DESIGNER

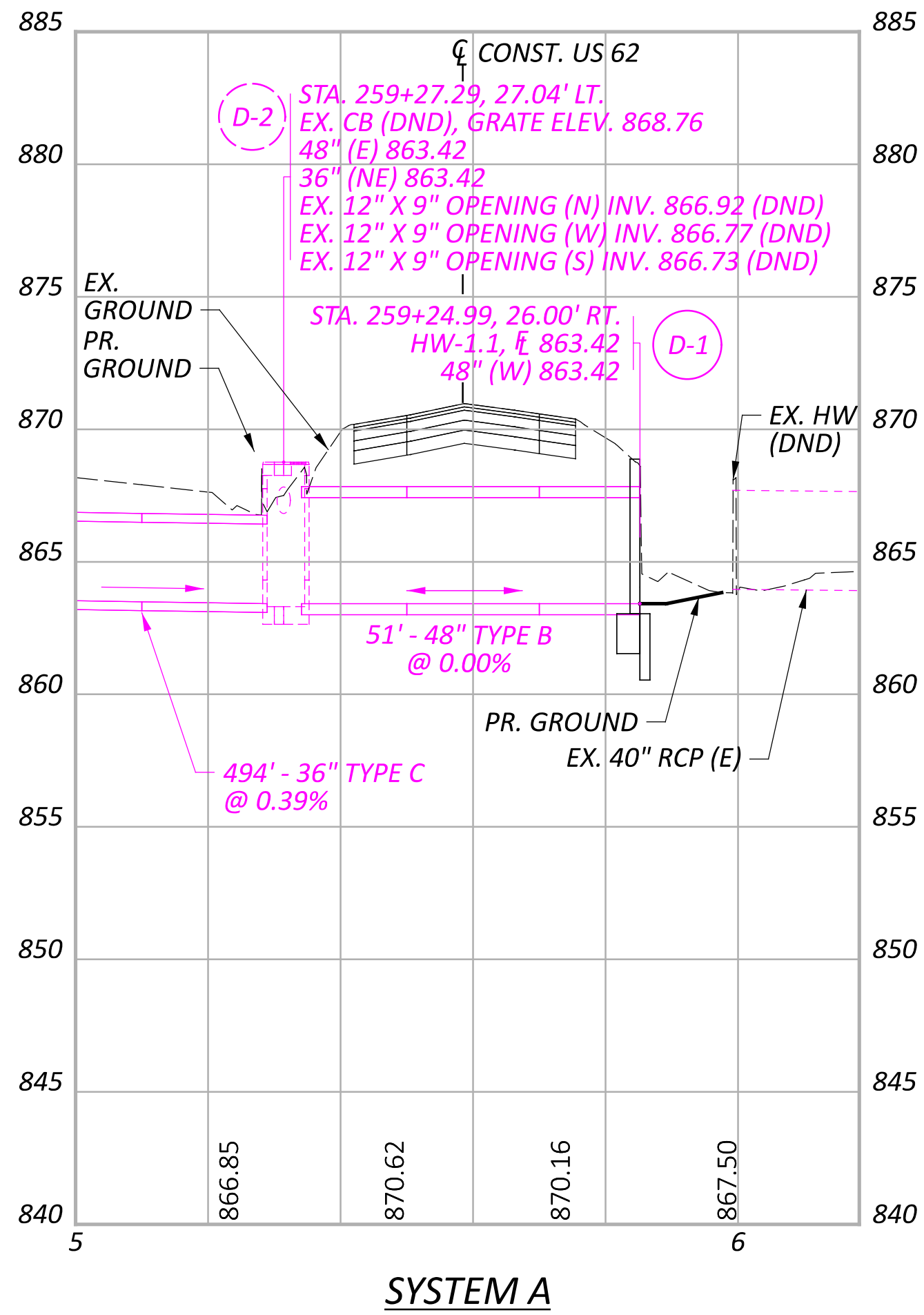
BBB

REVIEWER

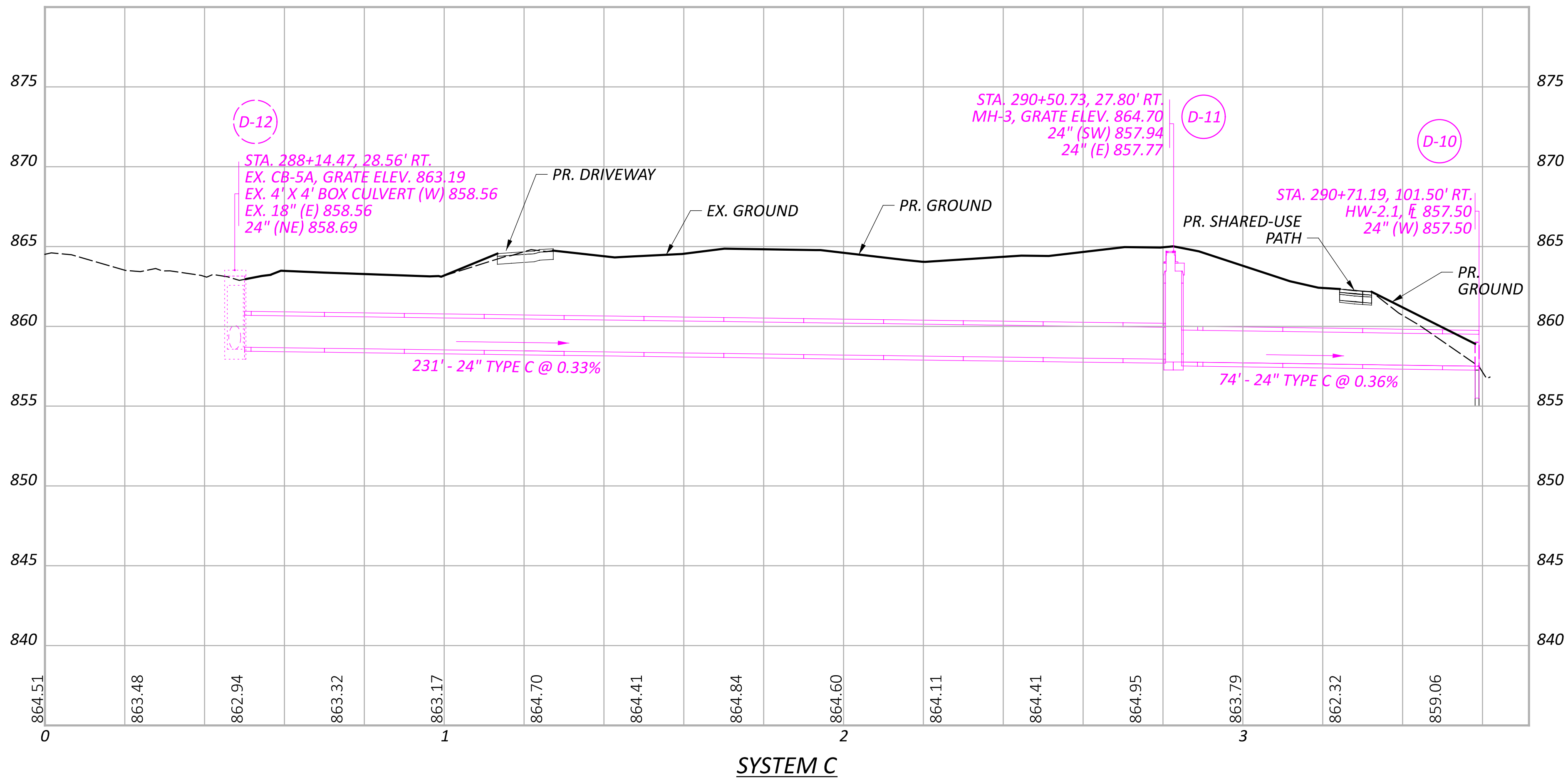
SSK 06-20-25

PROJECT ID

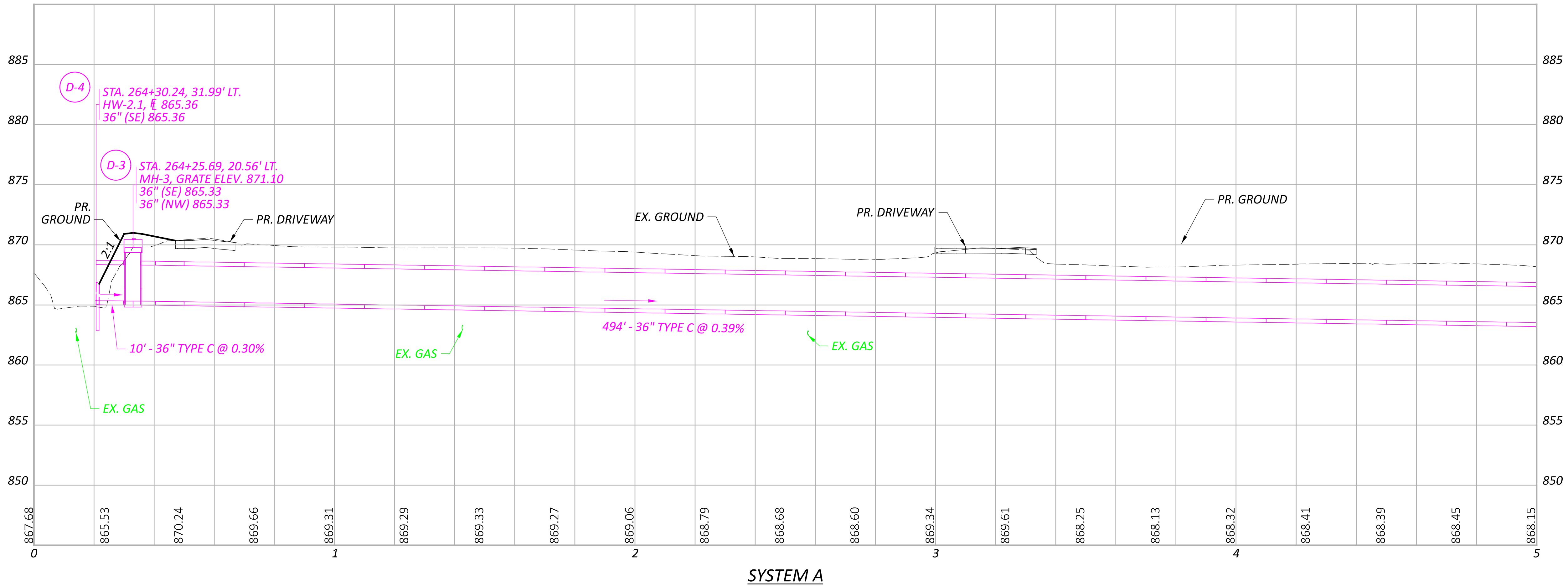
119042



SYSTEM A



SYSTEM C



SYSTEM A

