



LOCATION MAP

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



add road names  
show incorporated  
and unincorporated  
areas.

PORTION TO BE IMPROVED .....	_____
INTERSTATE HIGHWAY .....	_____
FEDERAL ROUTES .....	_____
STATE ROUTES .....	_____
COUNTY & TOWNSHIP ROADS .....	_____
OTHER ROADS .....	_____

DESIGN DESIGNATION

CURRENT ADT (2023) .....	9,868
DESIGN YEAR ADT (2033) .....	10,363
DESIGN HOURLY VOLUME (2033) .....	599
DIRECTIONAL DISTRIBUTION .....	52%
TRUCKS (24 HOUR B&C) .....	6%
DESIGN SPEED .....	55
LEGAL SPEED .....	55
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

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

STATE OF OHIO  
DEPARTMENT OF TRANSPORTATION

FRA-US62-4.90

JACKSON TOWNSHIP  
FRANKLIN COUNTY

INDEX OF SHEETS:

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STORM SEWER PROFILES	19

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 CONNECT TWO 36" PIPES. 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, REPLACE A JUNCTION CHAMBER WITH A CATCH BASIN AND PLACE A NEW 24" PIPE RUN.

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)

LIMITED ACCESS

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

2023 SPECIFICATIONS

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

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

Jack Marchbanks, PhD  
Director, Department of Transportation

STANDARD CONSTRUCTION DRAWINGS				CITY OF GROVE CITY SCD	SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
BP-3.1	1/21/22	MH-3	7/21/23	C-GC-80	2/2019	800 1/19/24
		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			902 7/19/19
		TC-65.11	7/15/22			
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-4.3	1/18/13					

DESIGN AGENCY

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

DESIGNER

KSJ

REVIEWER

BBB MM-DD-YY

PROJECT ID

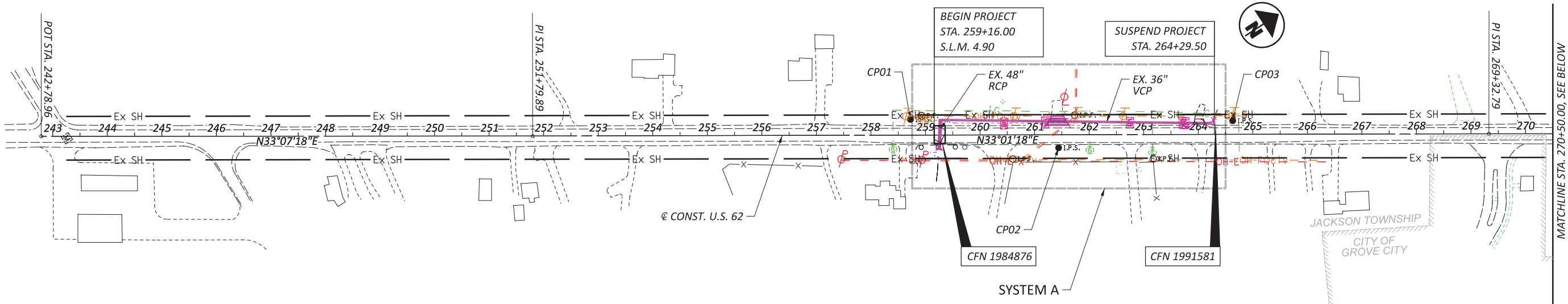
119042

SHEET

P.1

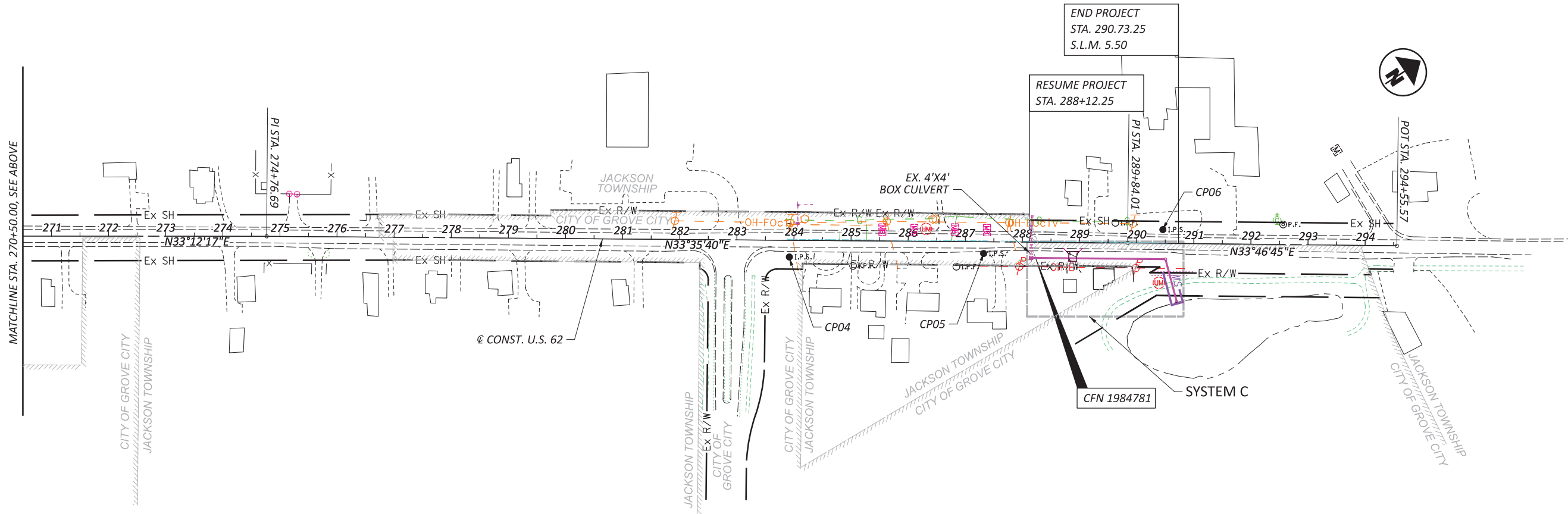
TOTAL

19



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.

Add names for side roads.  
Addresses and/or property id



SCHEMATIC PLAN

DESIGN AGENCY



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

DESIGNER

KSJ

REVIEWER

BBB MM-DD-YY

PROJECT ID

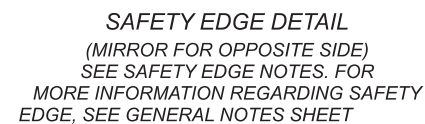
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SHEET

P.2

TOTAL

19



(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 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.

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.

SURVEYING PARAMETERS

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE SHEET 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.

Designer Note:  
Use the above note when the Designer is unsure of the exact location of a conduit that will require an extension or where the potential for interference between proposed and existing conduits exists.

ITEM 605 - 4" BASE PIPE UNDERDRAINS, AS PER PLAN

CONNECTION OF PROPOSED UNDERDRAINS TO EXISTING UNDERDRAINS SHALL BE INCLUDED WITHIN THE PRICE BID FOR THE PROPOSED UNDERDRAIN.

4" PIPE UNDERDRAINS SHALL BE IN ACCORDABCE WITH CMCS 720.12.

ALL TEES REQUIRED TO CONNECT TO EXISTING OR PROPOSED UNDERDRAIN SHALL BE INCLUDED WITHIN THE COST OF THE UNDERDRAIN.

THE UNDERDRAIN SHALL BE PLACED AT THE DEPTH TO MATCH EXISTING UNDERDRAINS. COSTS FOR EXCAVATION AND BACKFILL AT THE DESCRIBED DEPTH SHALL BE INCLUDED WITHIN ITEM 605, 4" BASE PIPE UNDERDRAINS, AS PER PLAN.

IN THE EVENT THAT ADDITIONAL BACKFILL OR EXCAVATION IS NECESSARY TO MAINTAIN MINIMUM SLOPES, ANY ADDITIONAL COSTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

ITEM SPECIAL - FILL AND PLUG EXISTING CONDUIT

THIS ITEM CONSISTS OF THE CONSTRUCTION OF BULKHEADS IN AN EXISTING \_\_ 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.

IN LIEU OF FILLING AND PLUGGING THE EXISTING CONDUIT, THE PIPE MAY BE CRUSHED AND BACKFILLED PER 203, OR IT MAY BE REMOVED. THE LENGTH, MEASURED AS PROVIDED ABOVE, WILL BE PAID FOR AT THE CONTRACT PRICE PER FOOT FOR, ITEM SPECIAL, FILL AND PLUG EXISTING CONDUIT.

SEEDING AND MULCHING

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

659, SOIL ANALYSIS TEST	_____ EACH
659, TOPSOIL	_____ CU. YD.
659, SEEDING AND MULCHING	_____ SQ. YD.
659, REPAIR SEEDING AND MULCHING	_____ SQ. YD.
659, INTER-SEEDING	_____ SQ. YD.
659, COMMERCIAL FERTILIZER	_____ TON
659, LIME	_____ ACRES
659, WATER	_____ M. GAL.
659, MOWING	_____ M. SQ.FT.

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.

FURNISH A WELL GRADED TRANSITION BETWEEN THE DITCH AND THE SWALE WHEN 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\_ 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\_ 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 THE 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.

DRAINAGE DISCHARGE CONTINUANCE (CONT'D)

PAY ITEMS  
EACH OF THE PAY ITEMS LISTED BELOW FOR CONDUIT MISCELLANEOUS TYPES B, C, E, AND F FOR DRAINAGE DISCHARGE 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, \_\_\_\_\_ EACH INSPECTION WELL  
ITEM 611, \_\_\_\_\_ FT. CONDUIT, MISC TYPE B FOR DRAINAGE DISCHARGE CONTINUANCE  
ITEM 611, \_\_\_\_\_ FT. CONDUIT, MISC TYPE C FOR DRAINAGE DISCHARGE CONTINUANCE  
ITEM 611, \_\_\_\_\_ FT. CONDUIT, MISC TYPE E FOR DRAINAGE DISCHARGE CONTINUANCE  
ITEM 611, \_\_\_\_\_ FT. CONDUIT, MISC TYPE F FOR DRAINAGE DISCHARGE CONTINUANCE  
ITEM 202, \_\_\_\_\_ FT. REMOVAL MISC CONDUIT  
ITEM 202, \_\_\_\_\_ EACH REMOVAL MISC INSPECTION WELL  
ITEM 203, \_\_\_\_\_ CUBIC YARD EMBANKMENT AS PER PLAN

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).

DESIGN AGENCY



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

DESIGNER

KSJ

REVIEWER

BBB MM/DD/YY

PROJECT ID

119042

SHEET TOTAL

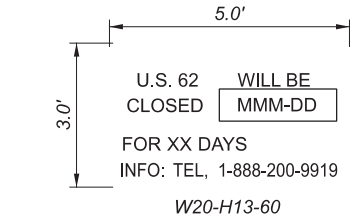
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ITEM 614, MAINTAINING TRAFFIC

A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES, EXCEPT FOR A PERIOD NOT TO EXCEED 3 CONSECUTIVE CALENDAR DAYS, WHEN THROUGH TRAFFIC MAY BE DETOURED AS SHOWN ON SHEET 7 - 8 . 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) AND THE DISTRIC 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, NUT 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, 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 8 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 7 - 8 . 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 7 - 9 FOR ADDITIONAL DETAILS AND QUANTITIES ASSOCIATED WITH THE FOLLOWING PHASES. FOR DETAILS NOT SHOWN ON THESE PLANS, CONSULT THE APPROPRIATE STANDARD CONSTRUCTION DRAWINGS.

- 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 THE ROAD.
- 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.
- 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.)
- 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 FLAGGERS 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.

DESIGN AGENCY



RESOURCE  
INTERNATIONAL

6350 PRESIDENTIAL GATEWAY  
COLUMBUS, OHIO 43231  
(614) 823-1949

DESIGNER

JAS

REVIEWER

BBB MM-DD-YY

PROJECT ID

119042

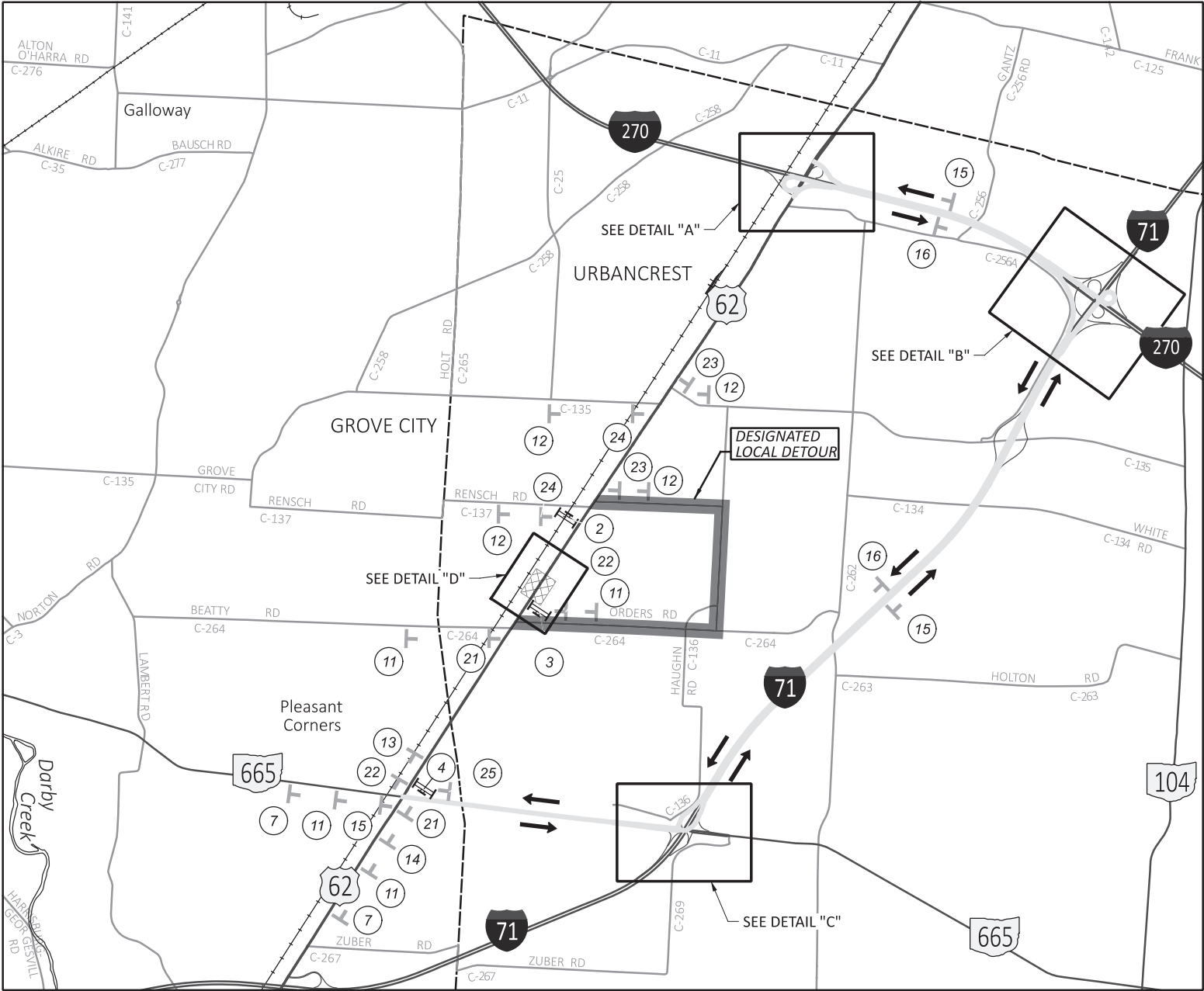
SHEET

P.6

TOTAL

19





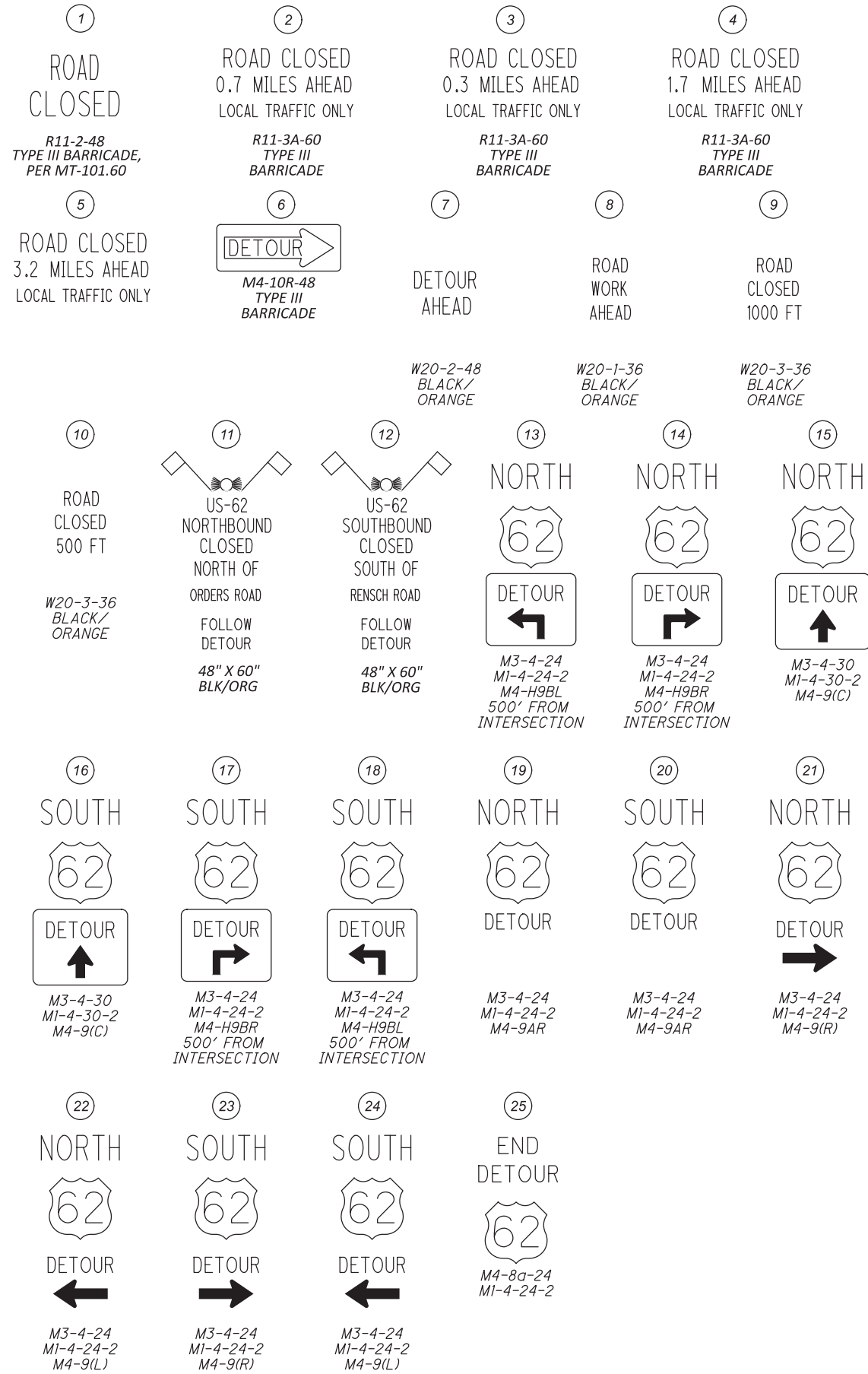
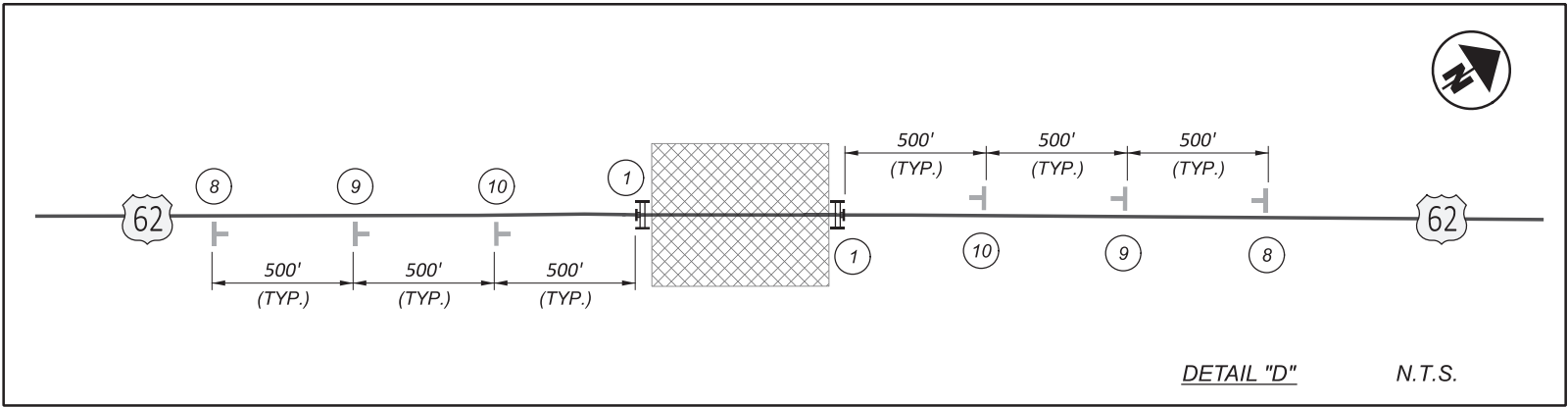
LEGEND

- 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 8



MAINTENANCE OF TRAFFIC  
DETOUR MAP (US 62)

DESIGN AGENCY  
**RESOURCE INTERNATIONAL**  
6350 PRESIDENTIAL GATEWAY  
COLUMBUS, OHIO 43231  
(614) 823-1949

DESIGNER  
**JAS**

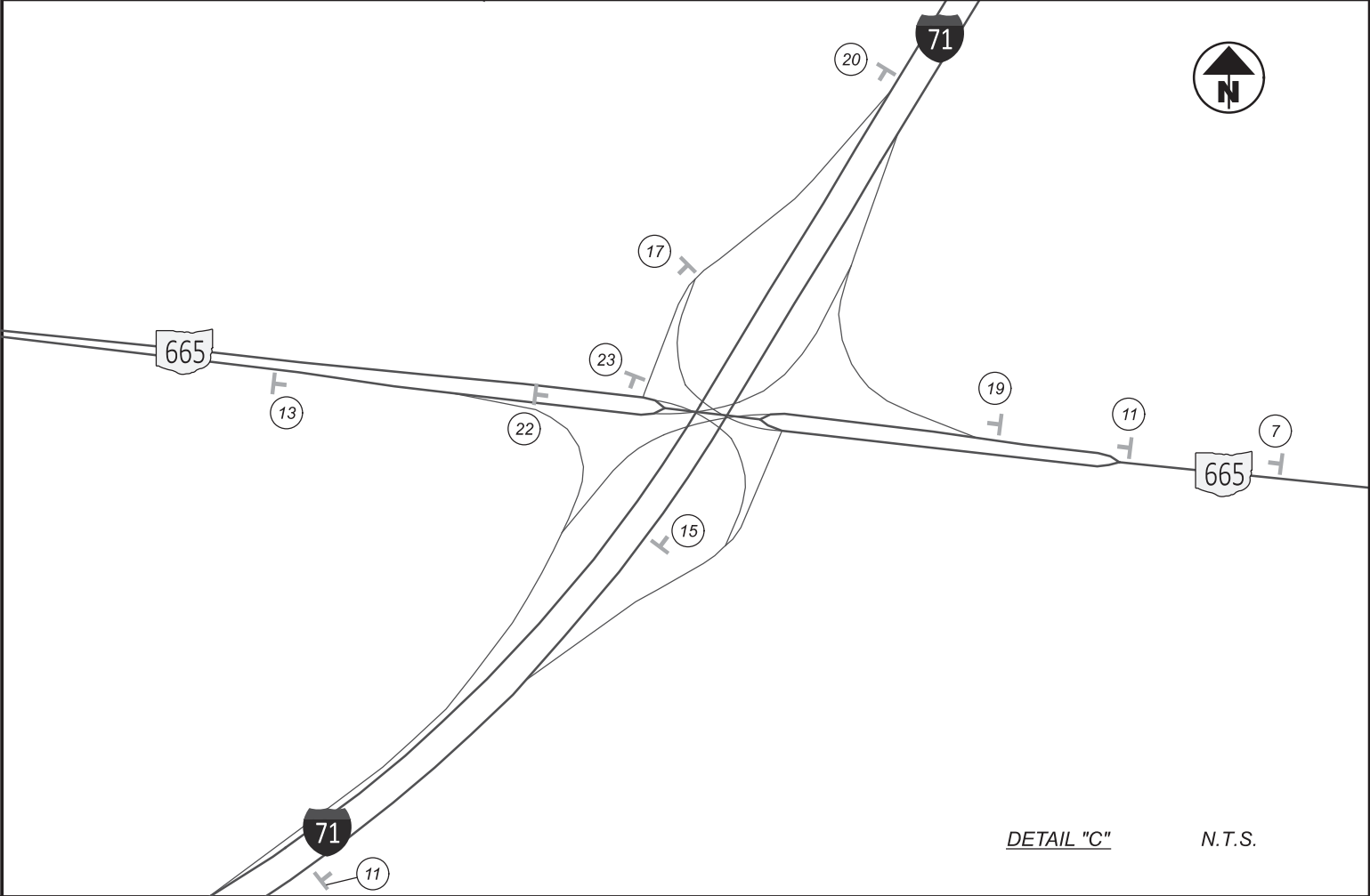
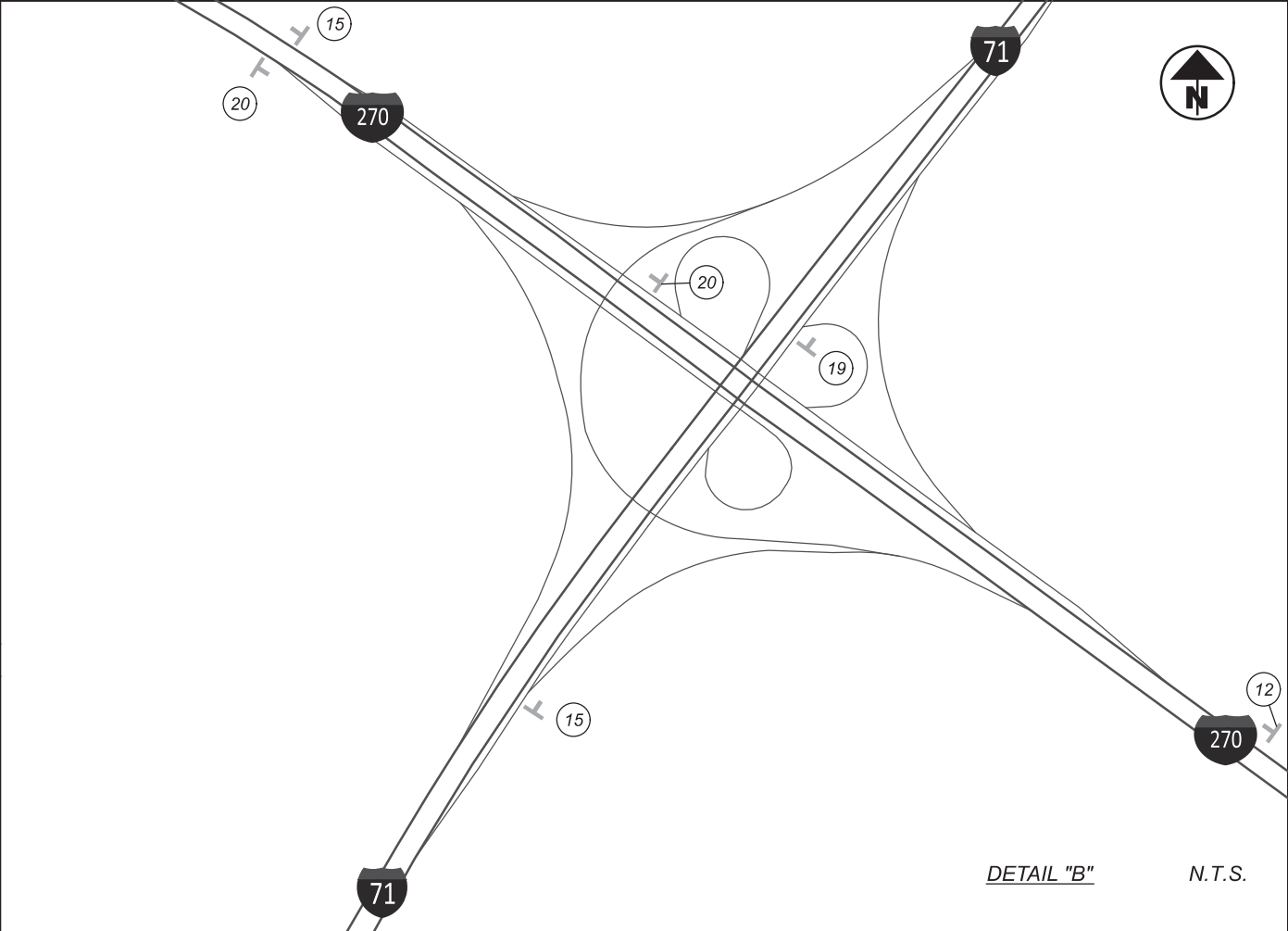
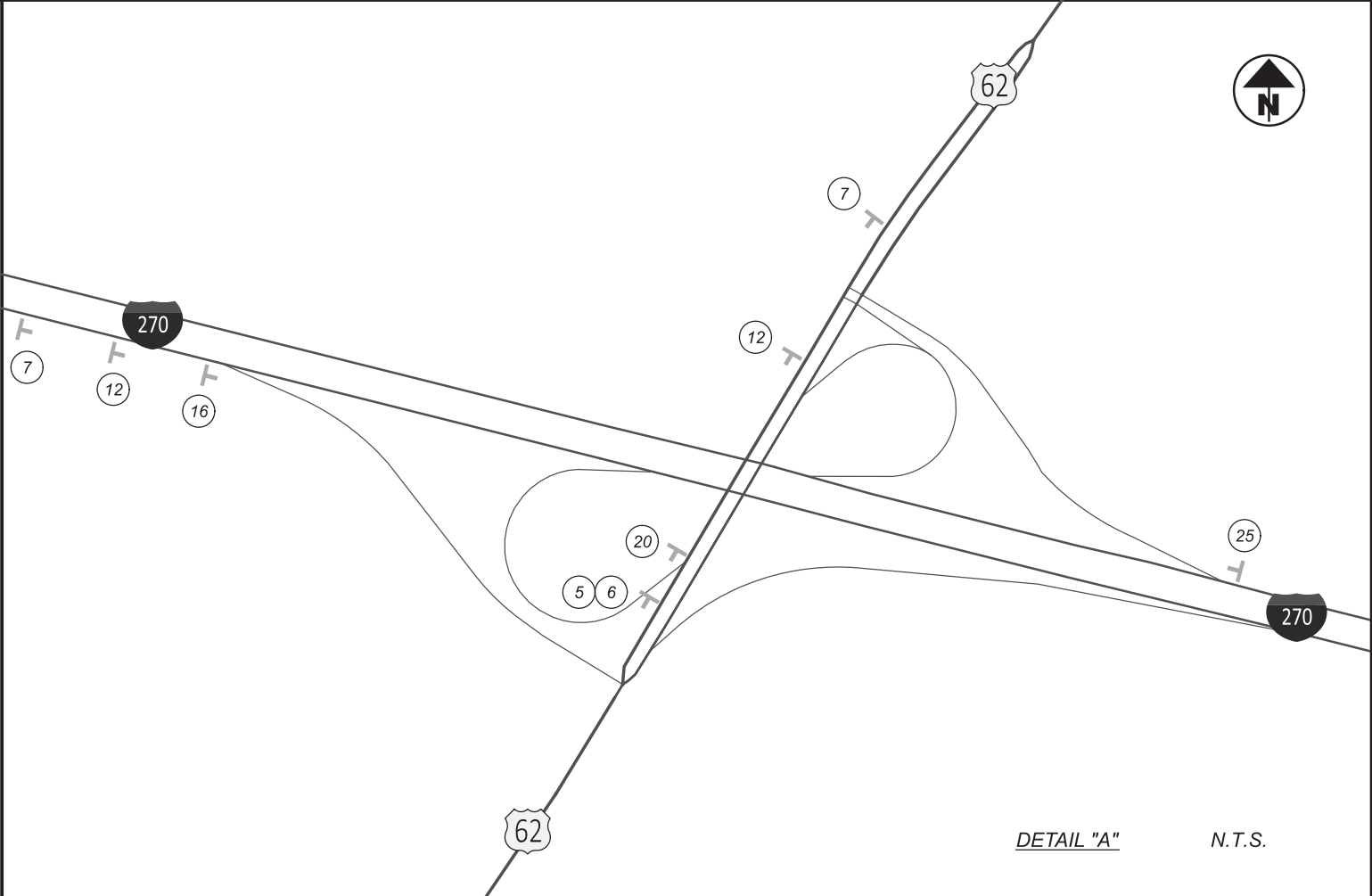
REVIEWER  
**BBB MM-DD-YY**

PROJECT ID  
**119042**

SHEET  
**P.7**

TOTAL  
**19**

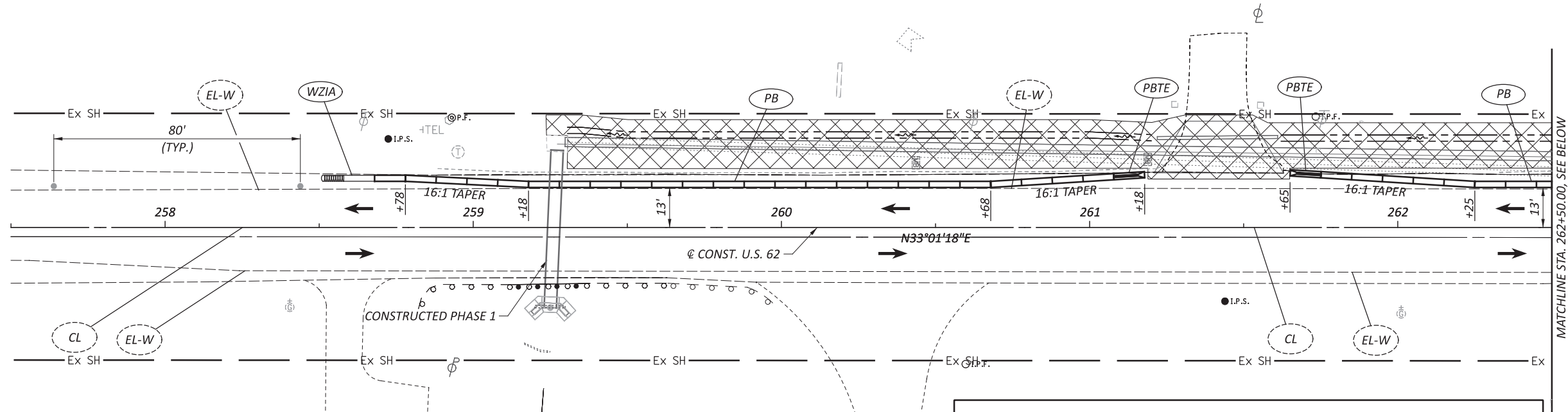




*NOTE:*  
FOR OVERVIEW OF DETOUR MAP, SEE SHEET 7

MAINTENANCE OF TRAFFIC  
DETOUR MAP DETAILS (US 62)

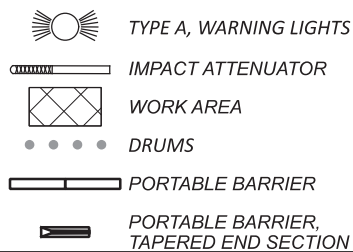
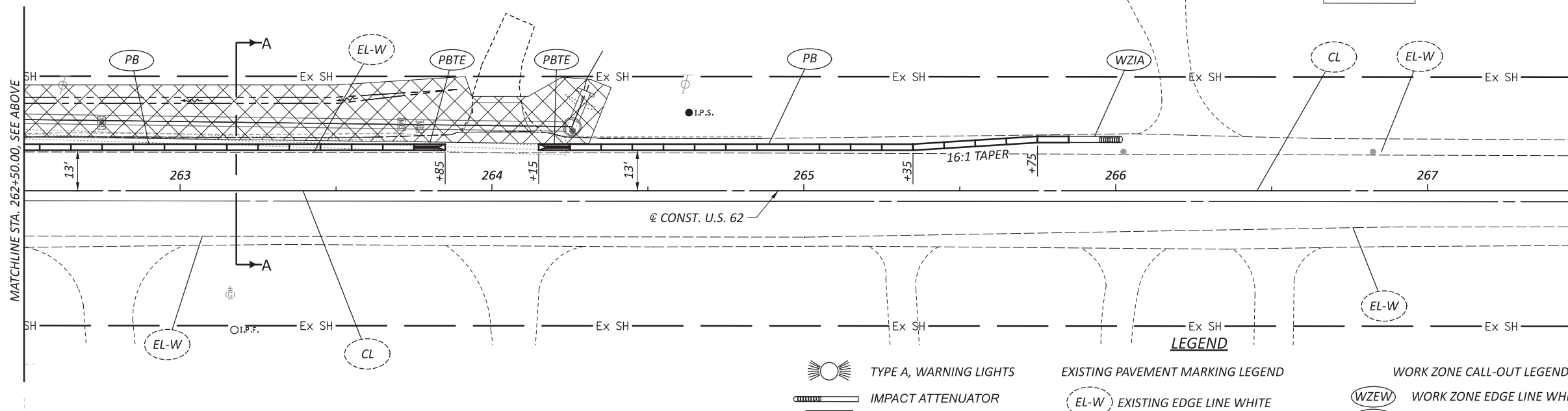
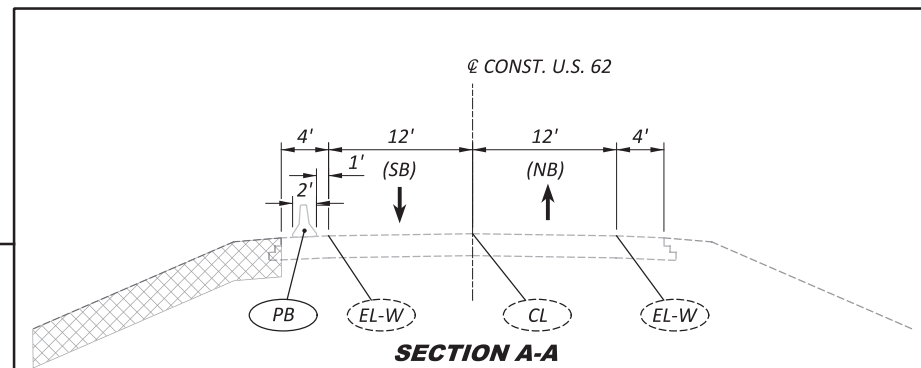
DESIGN AGENCY	
 6350 PRESIDENTIAL GATEWAY COLUMBUS, OHIO 43231 (614) 823-4949	
DESIGNER	
KSJ	
REVIEWER	
BBB MM-DD-YY	
PROJECT ID	
119042	
SHEET	TOTAL
P.8	19



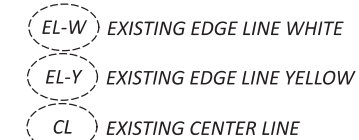
ADVANCE WARNING SIGN TABLE LOCATIONS

SIGN NUMBER	ROAD WORK AHEAD	RIGHT SHOULDER CLOSED	RIGHT SHOULDER CLOSED	END ROAD WORK	
	W20-1-48 2000 FT W16-2AP-30	W21-5A-48 1500 FT W16-2AP-30	W21-5A-48 NEXT 1500 FT W6-4P-30	G20-2-48	
STATIONS	STA. 238+50			STA. 271+05	
SIDES (NB)	RT.			RT.	
STATIONS	STA. 286+76	STA. 281+76	STA. 276+76	STA. 253+50	
SIDES (SB)	RT.	RT.	RT.	RT.	

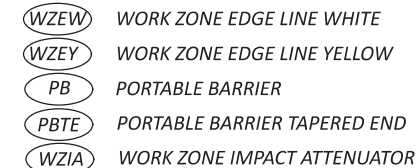
NOTE: DRUMS ARE TO BE PLACED PER ODOT SCD MT-95.45,  
(FOR 55 MPH DESIGN SPEED 495' TANGENT FROM  
EACH WZIA END, 19:1 SHOULDER TAPER RATE).



EXISTING PAVEMENT MARKING LEGEND



WORK ZONE CALL-OUT LEGEND



MAINTENANCE OF TRAFFIC PLAN - PHASE 2  
STA. 257+50.00 TO STA. 267+50.00

DESIGN AGENCY



DESIGNER

KSJ

REVIEWER

BBB MM-DD-YY

PROJECT ID

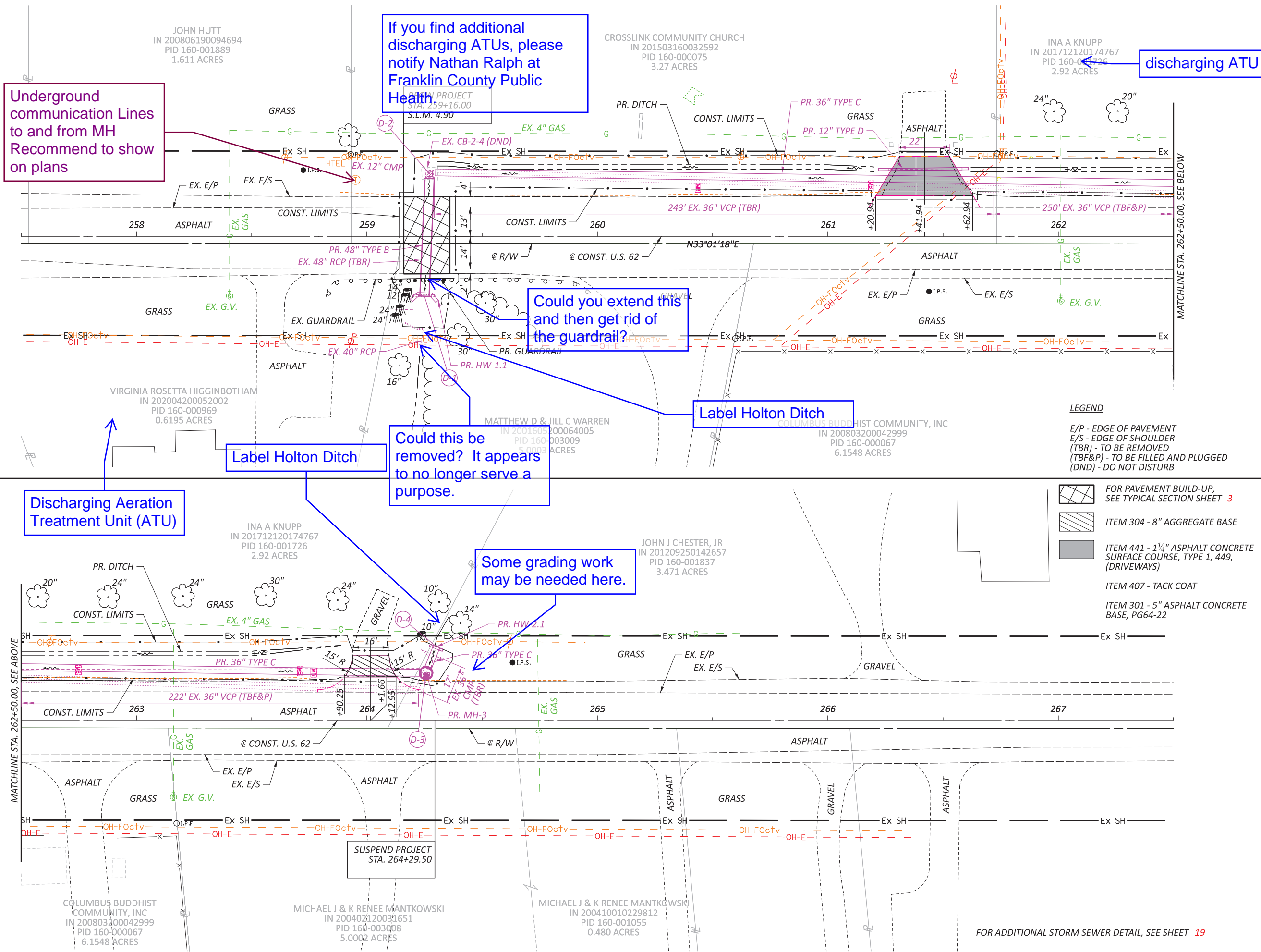
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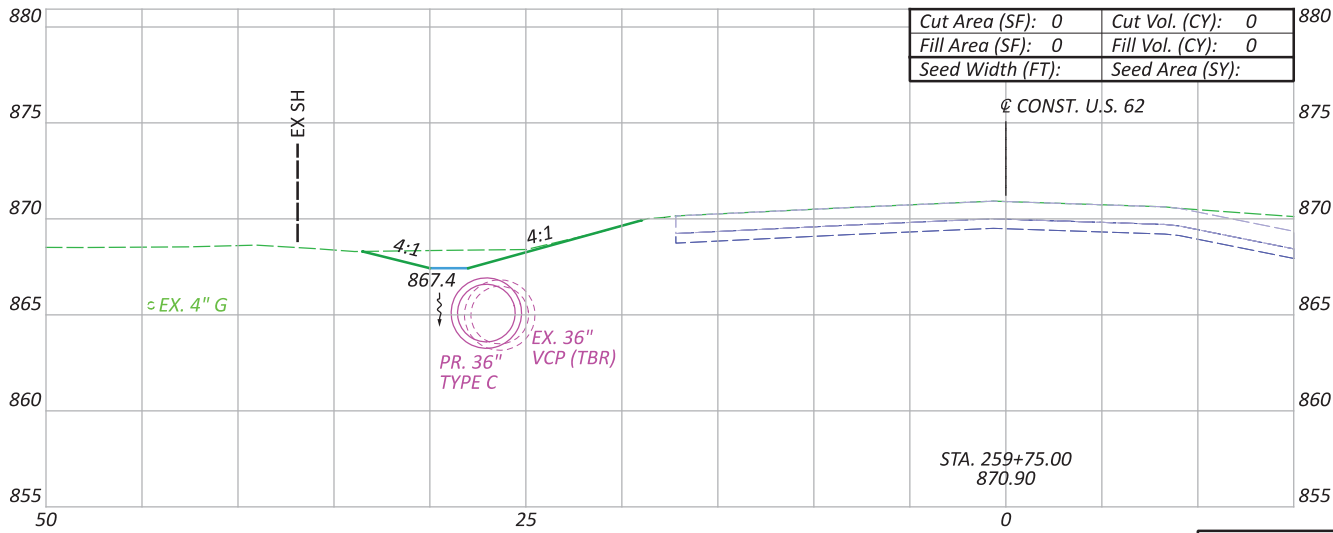
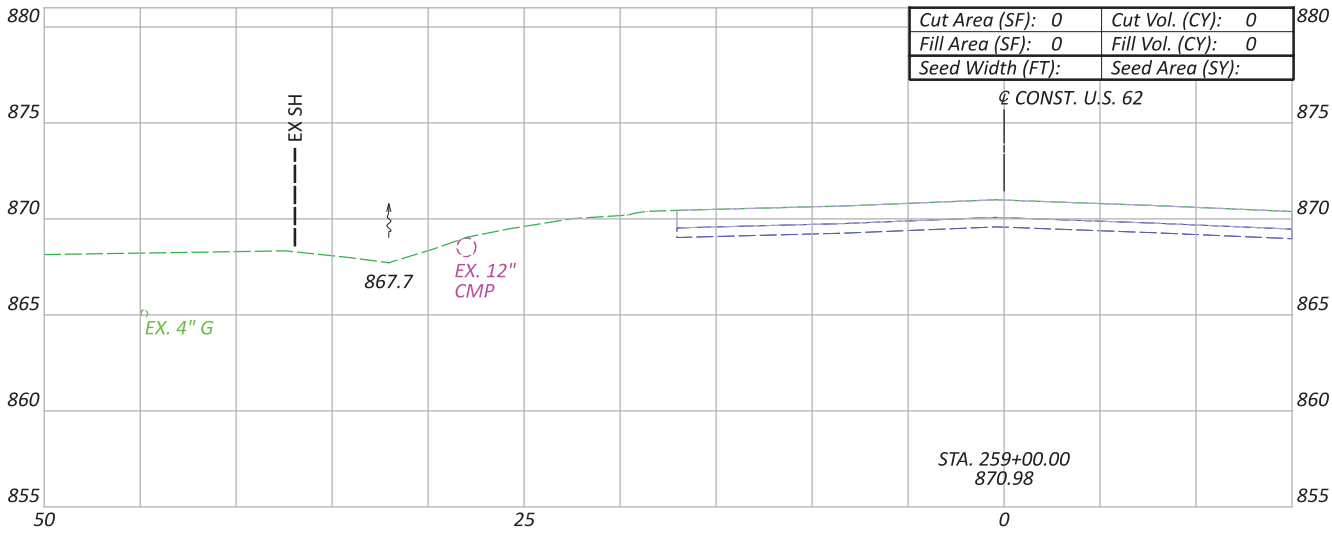
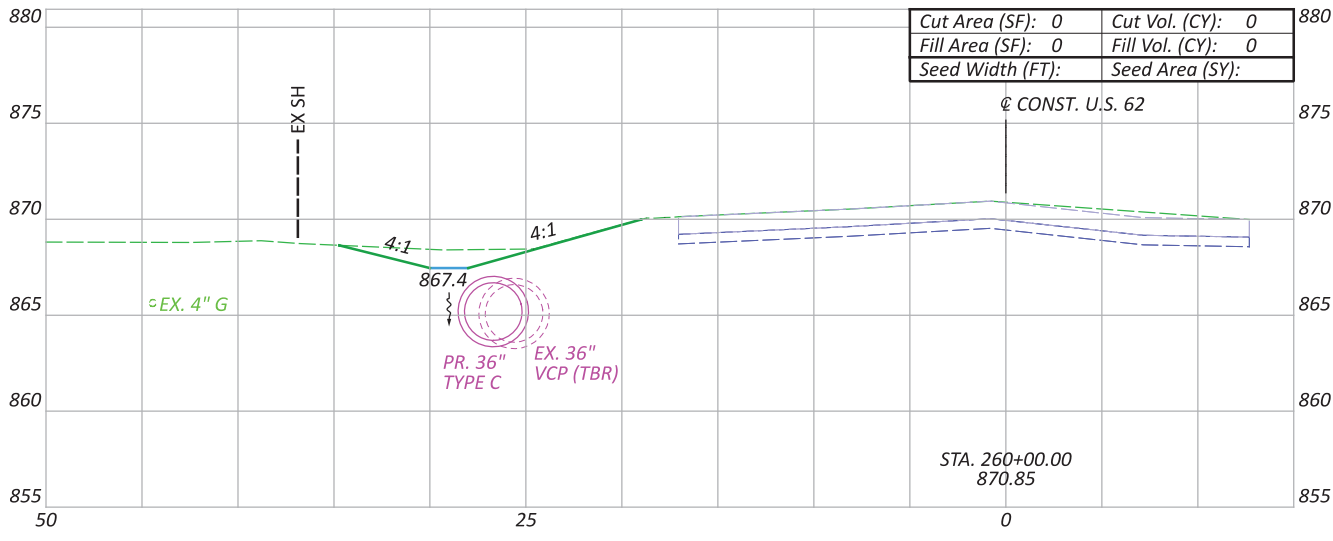
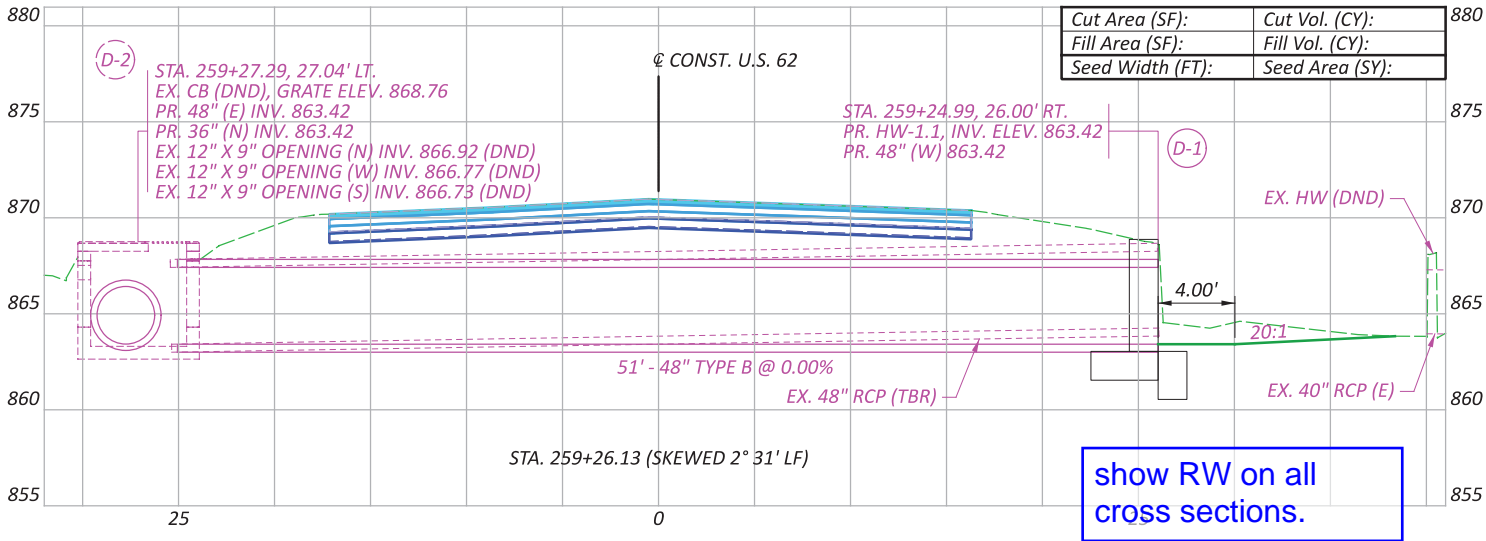
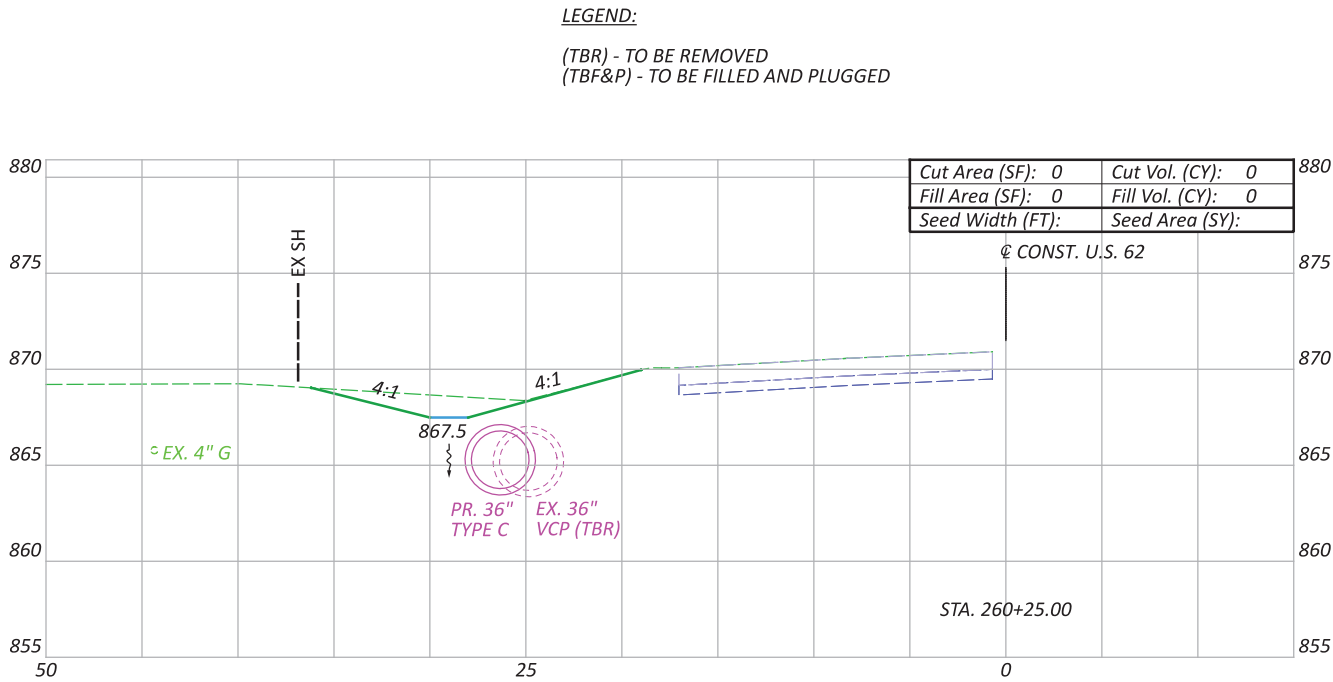
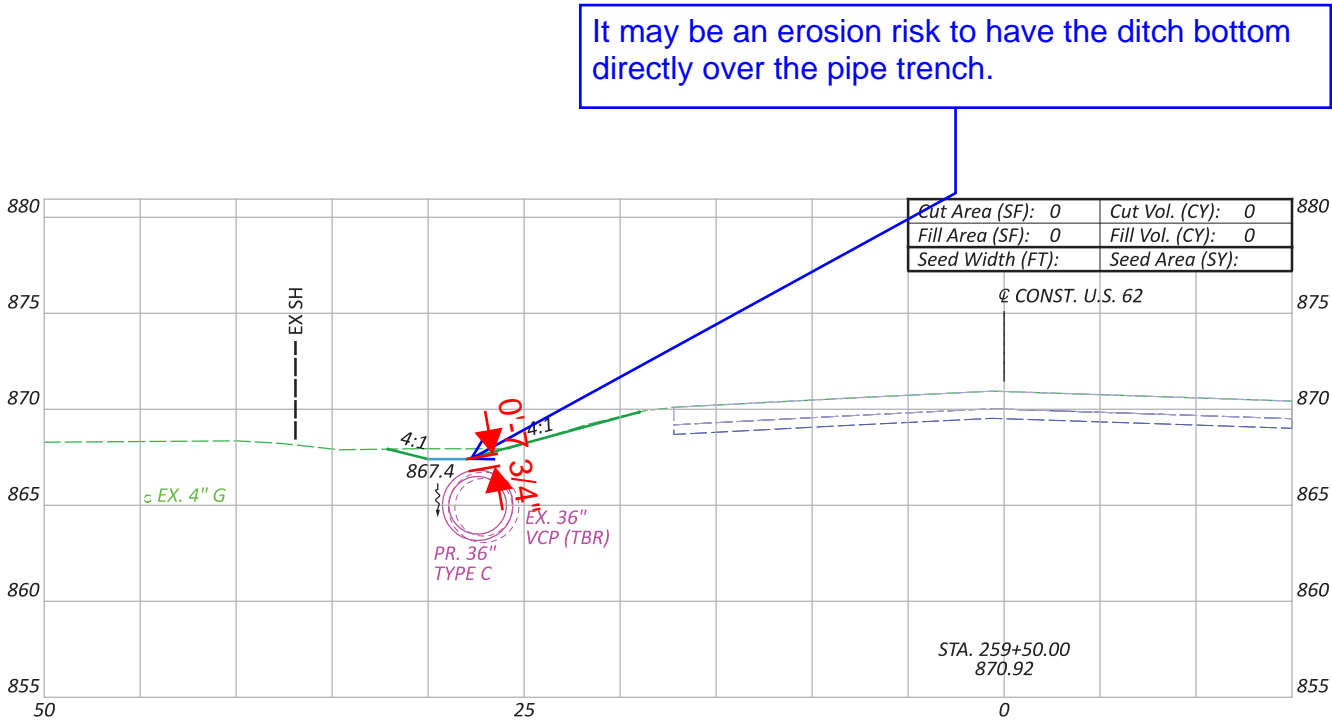
P.9

TOTAL

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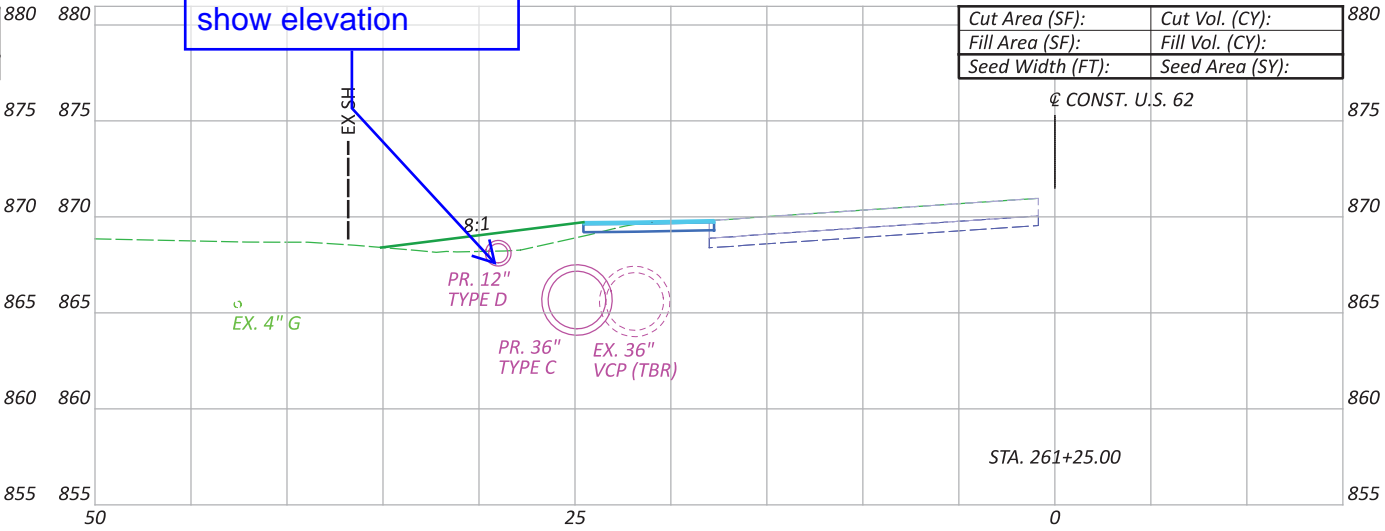
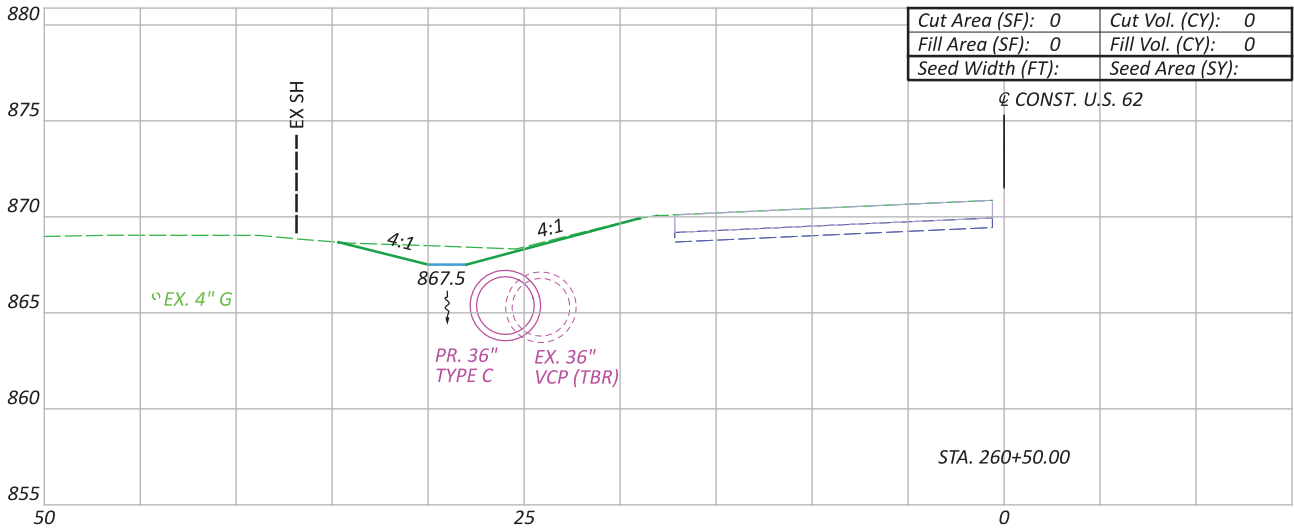
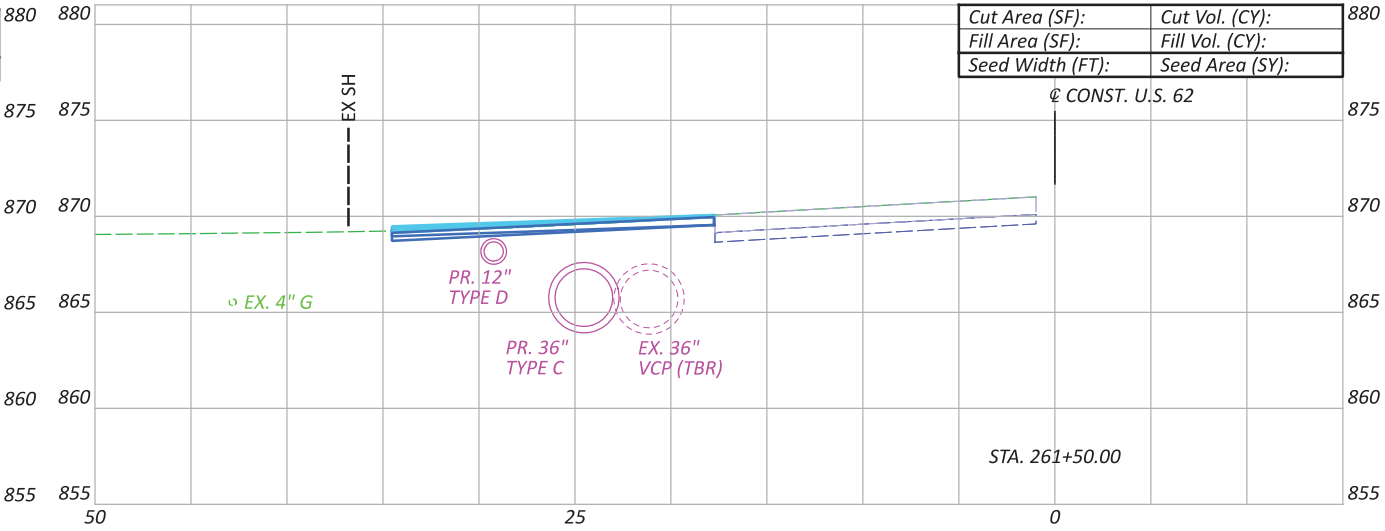
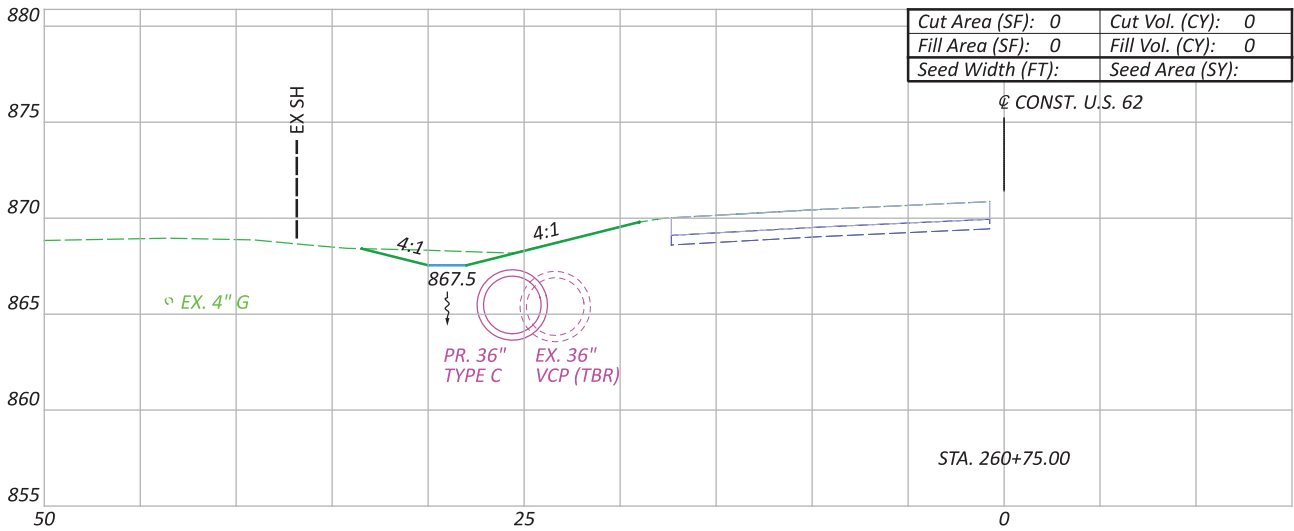
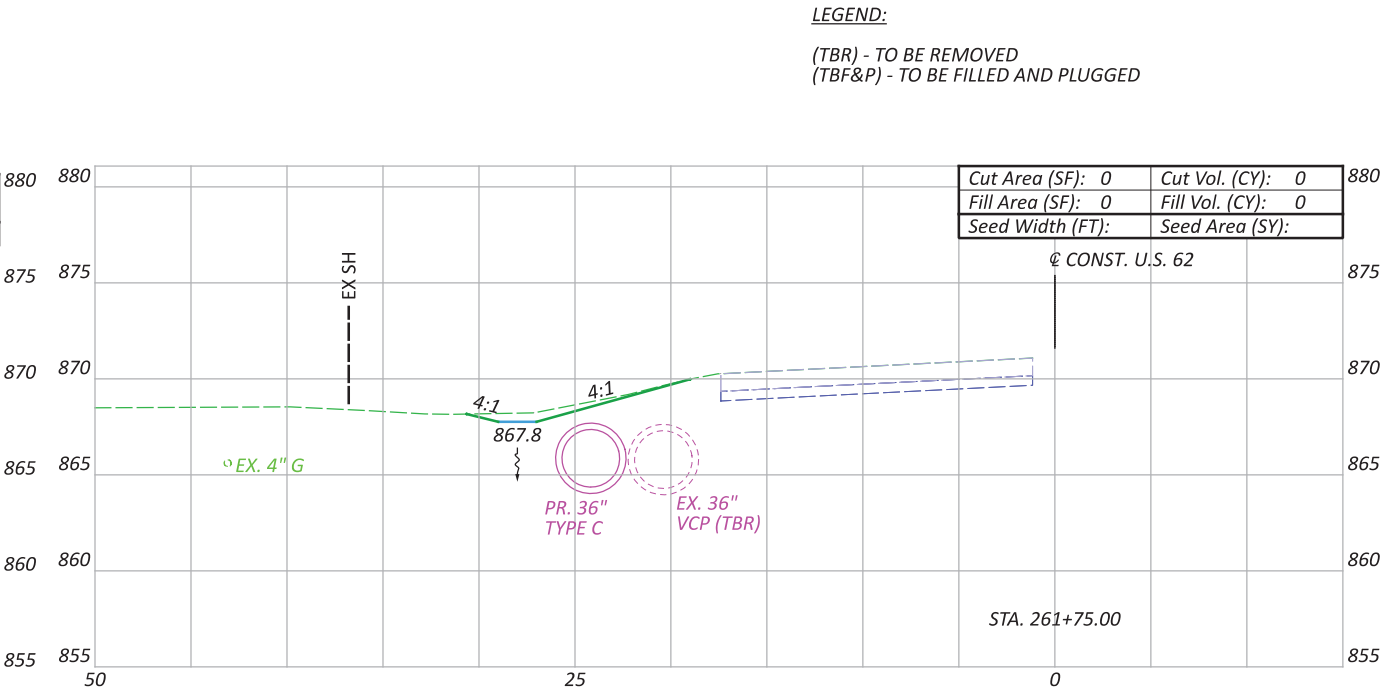
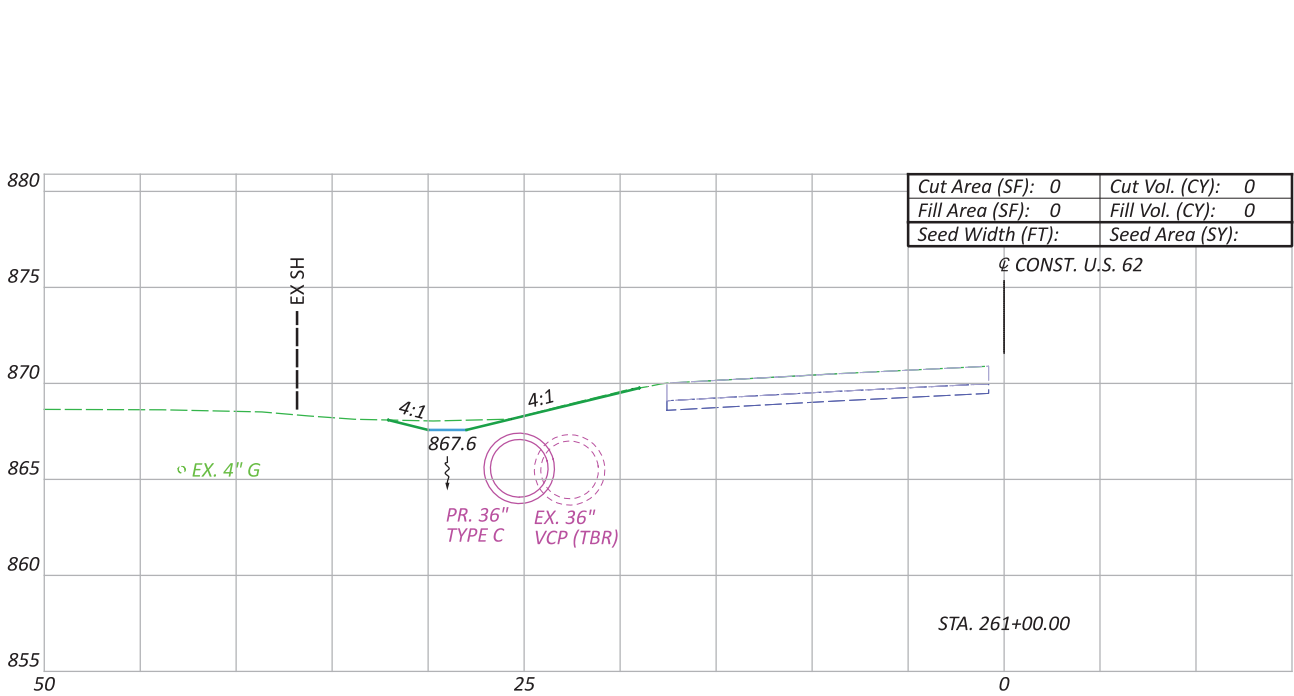


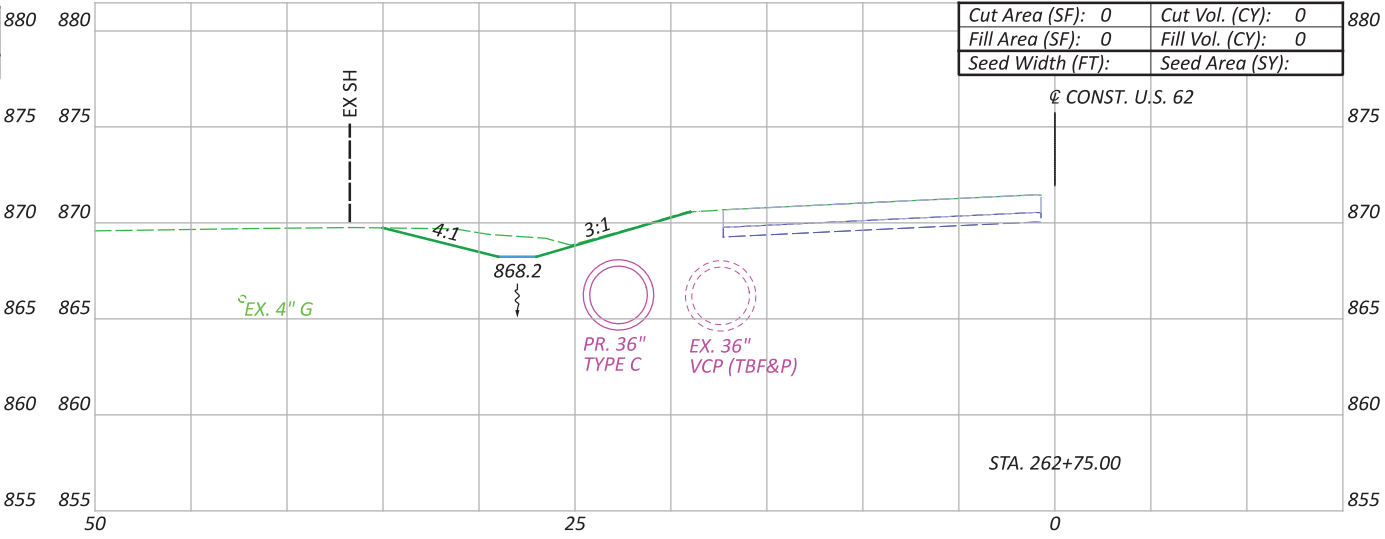
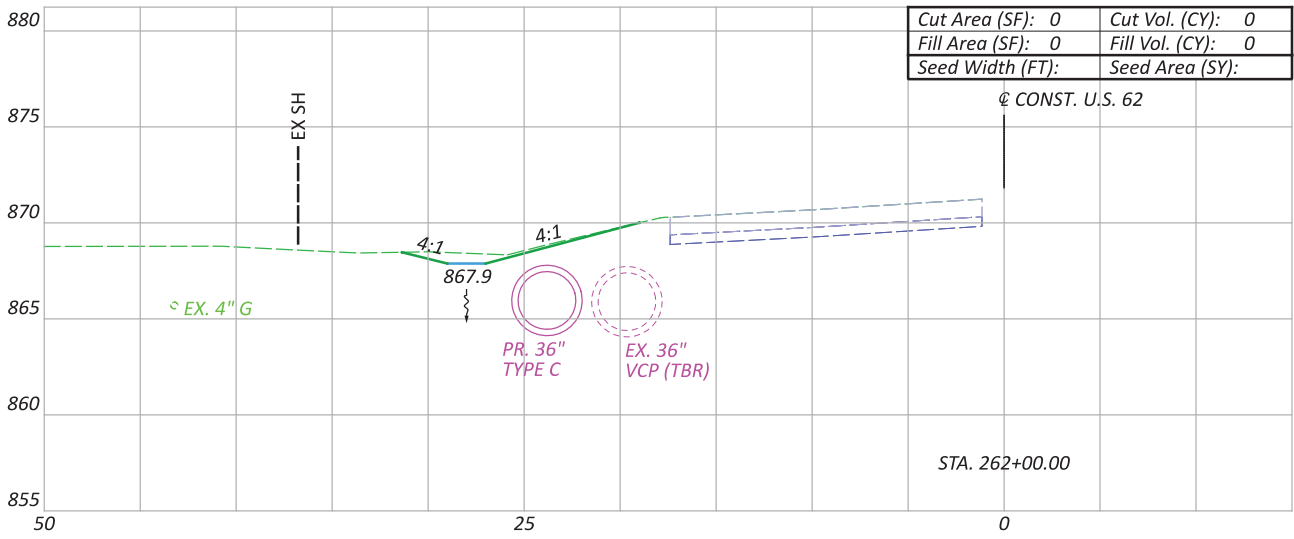
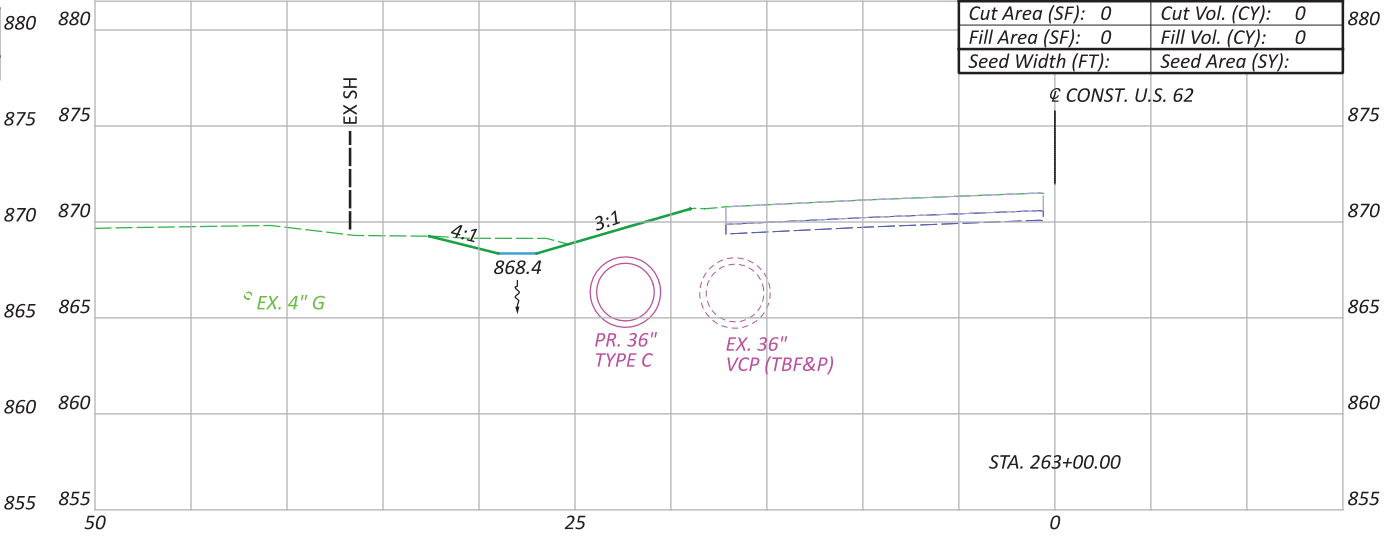
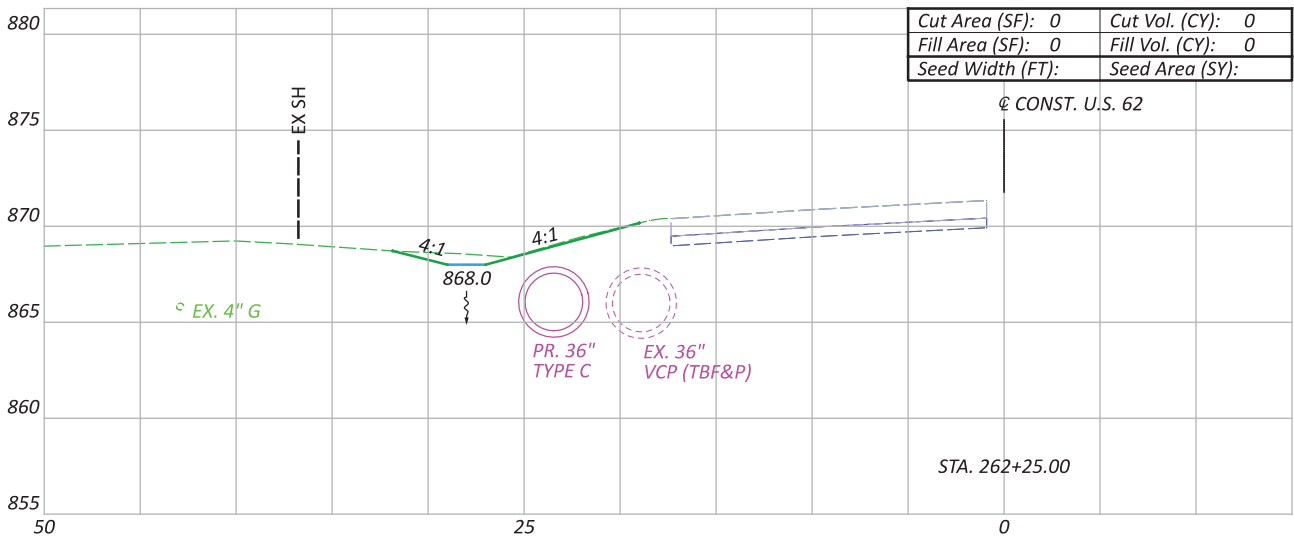
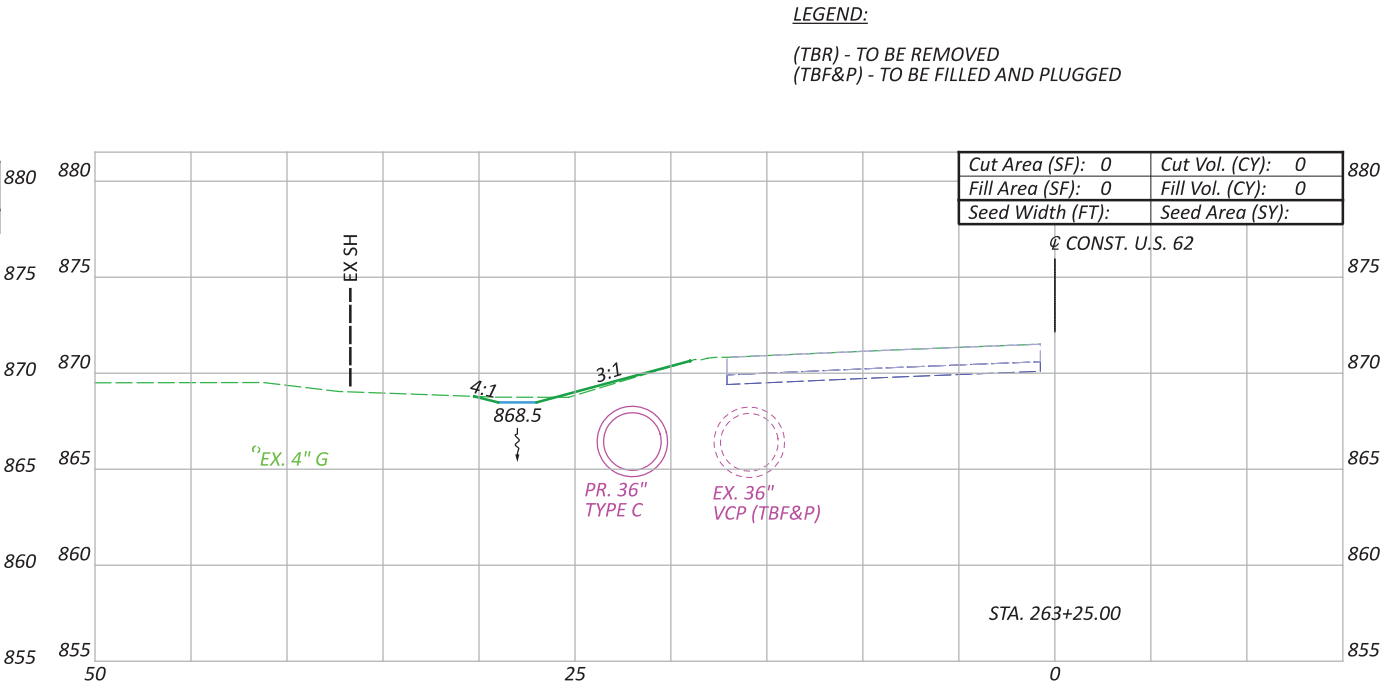
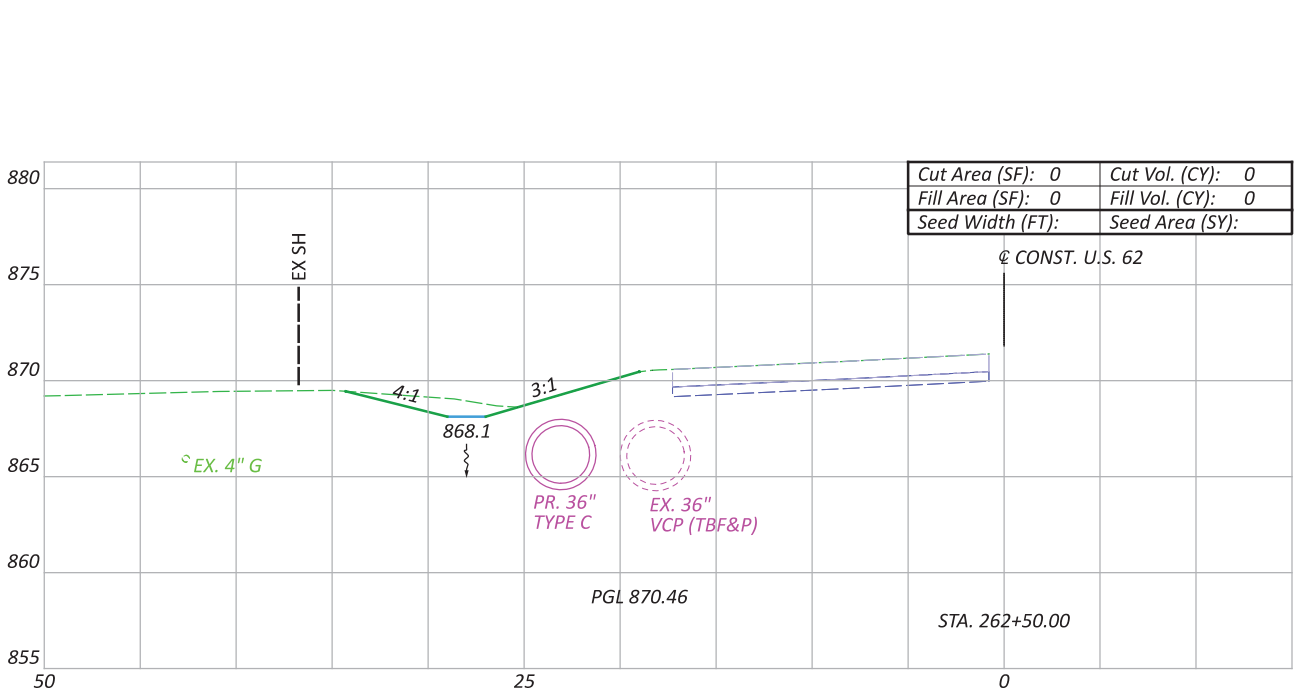




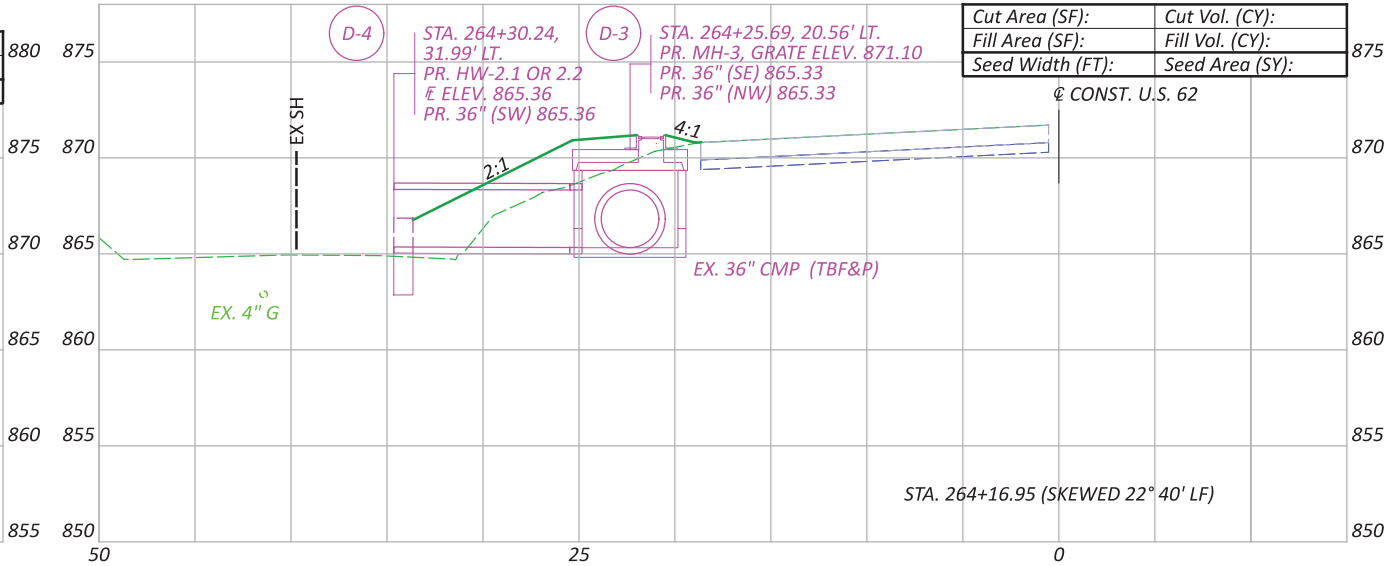
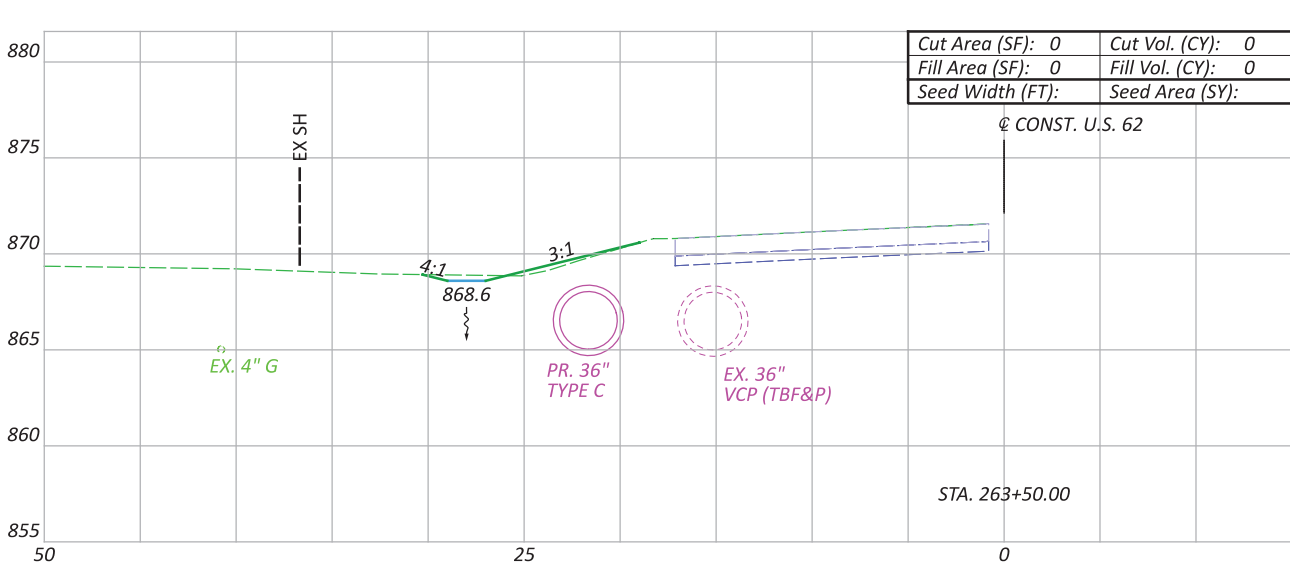
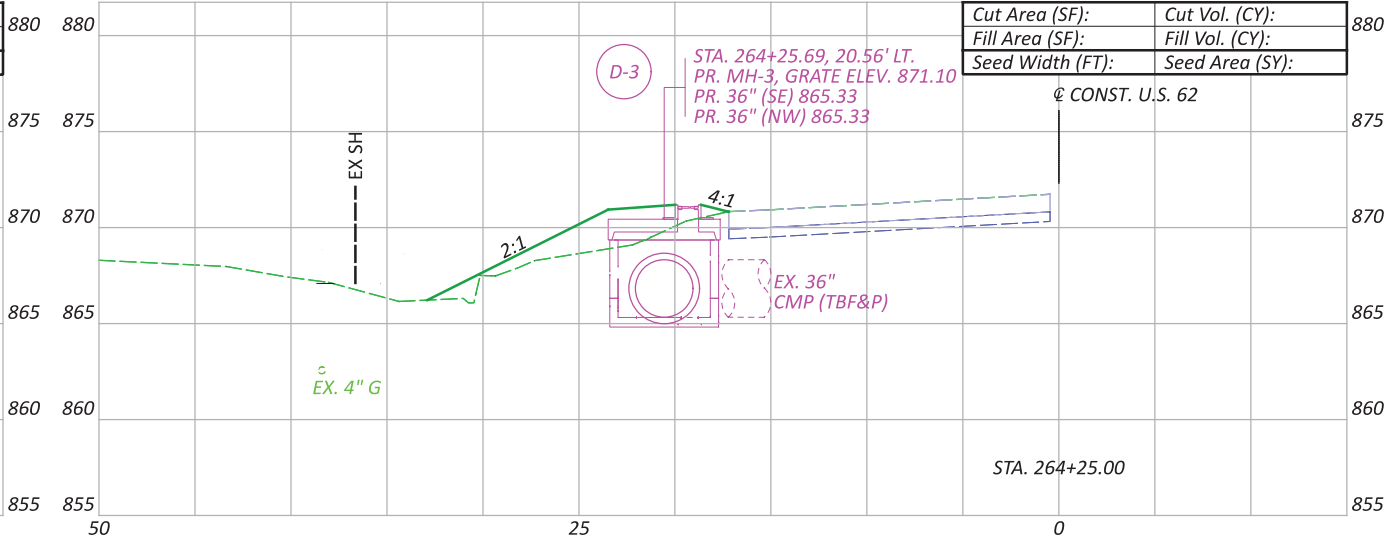
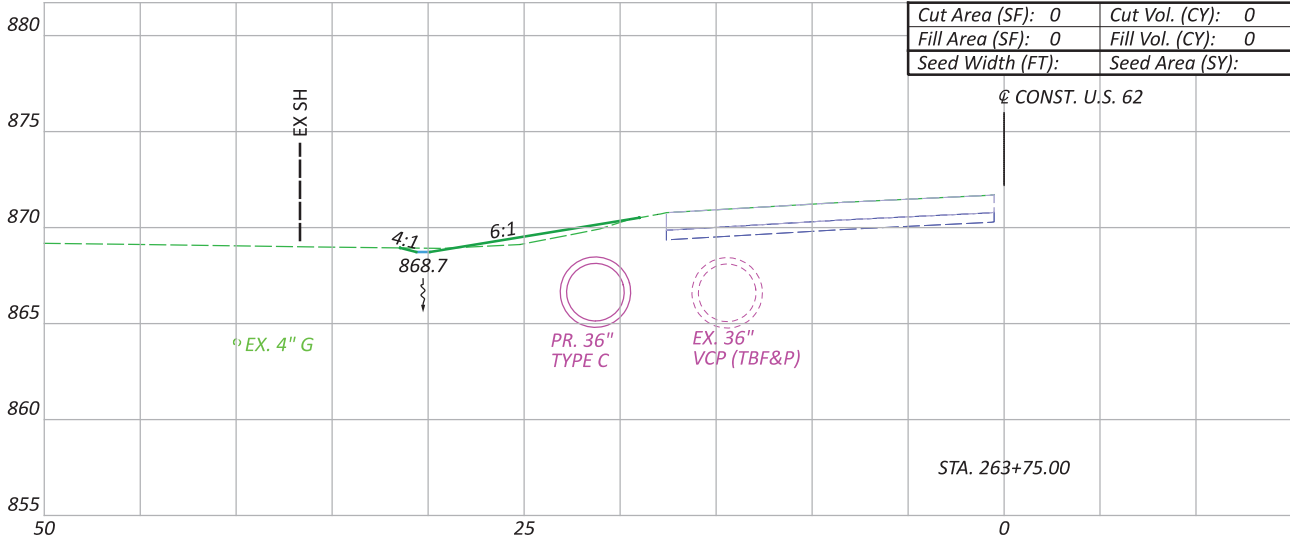
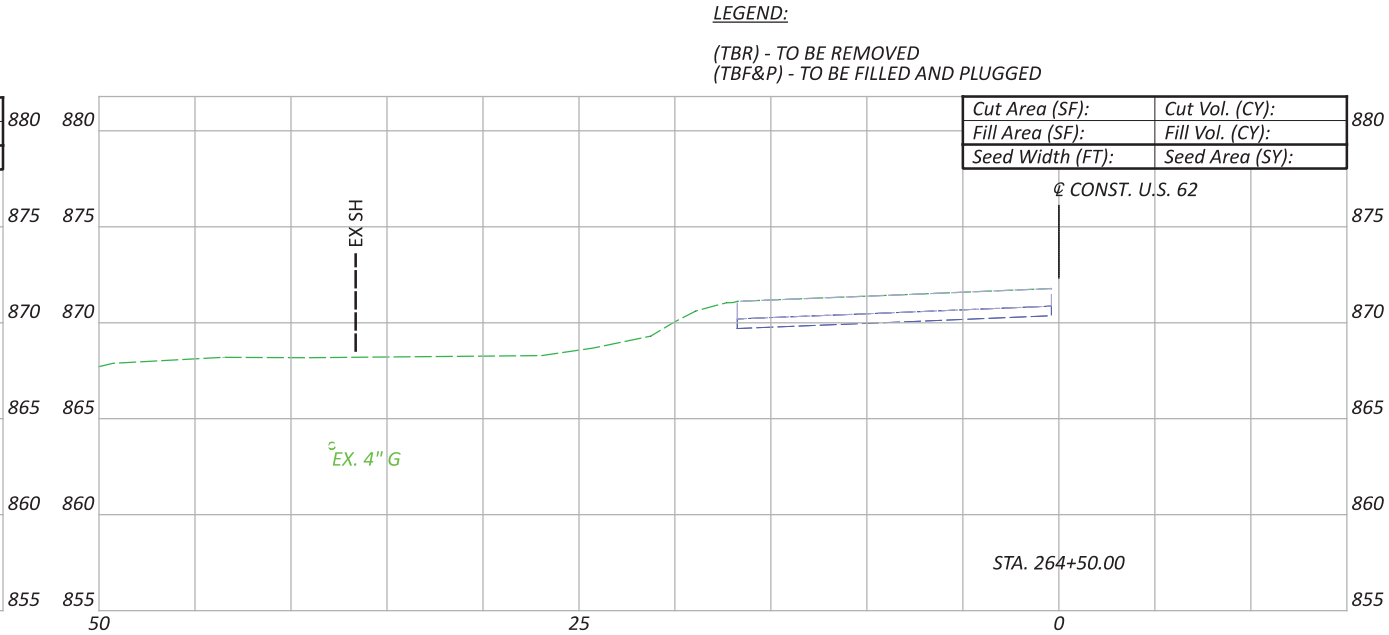
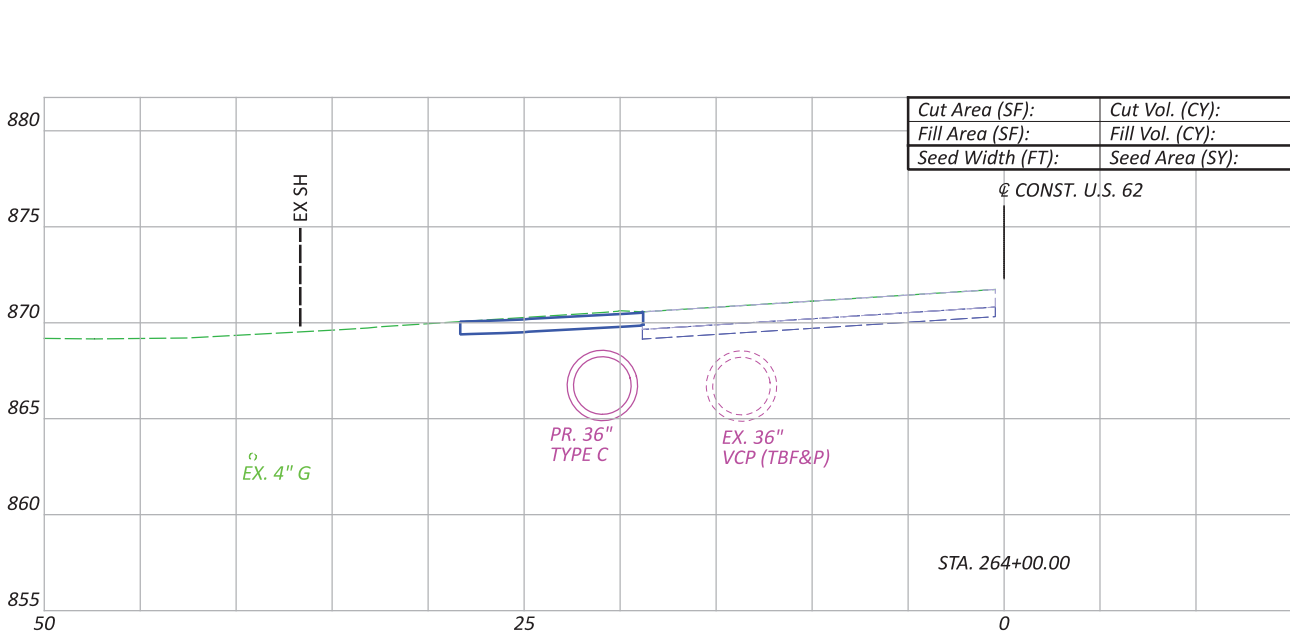
show RW on all cross sections.

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

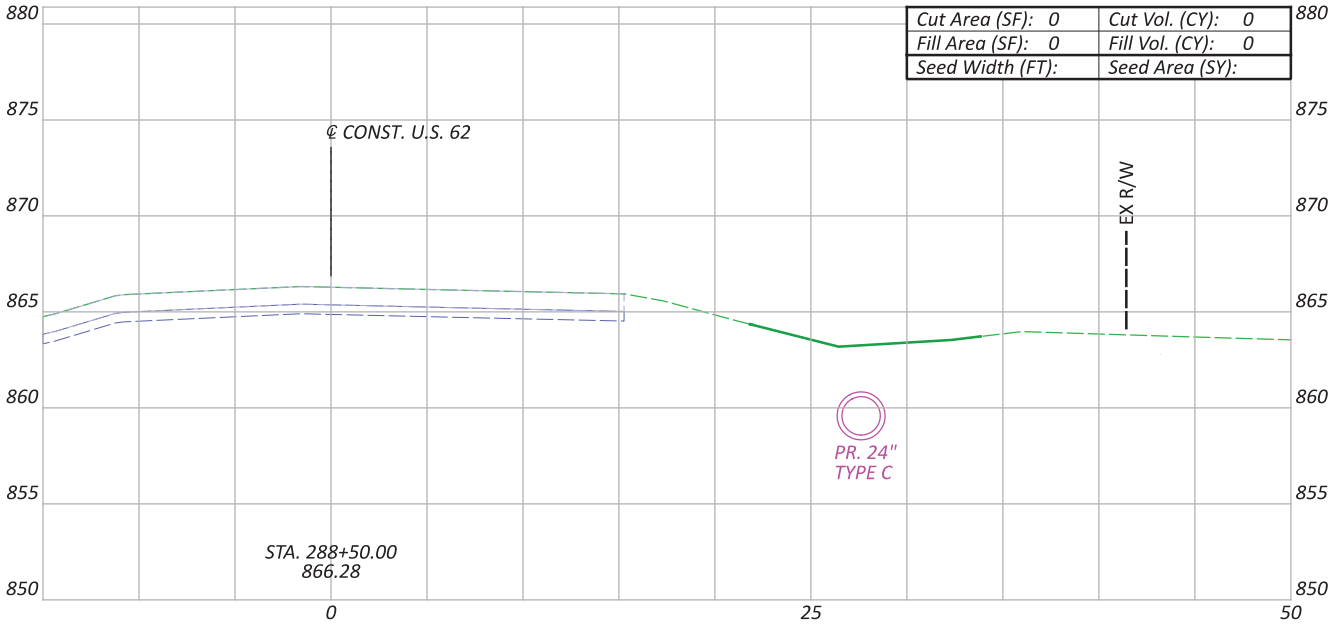
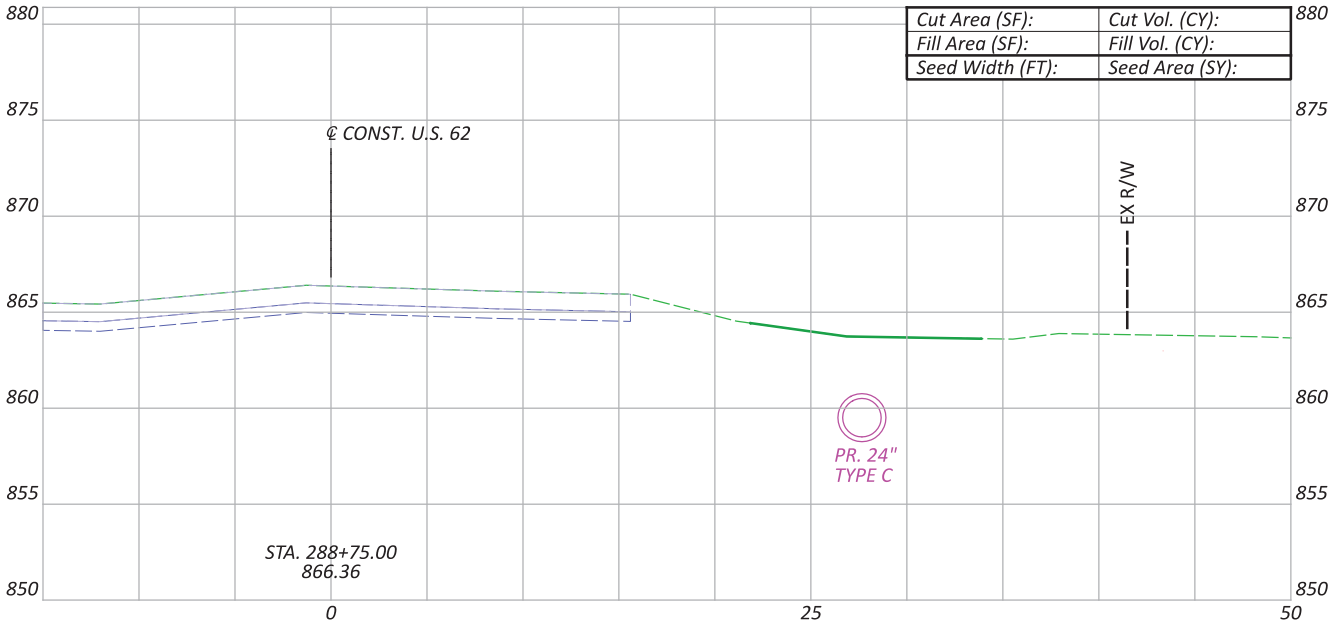
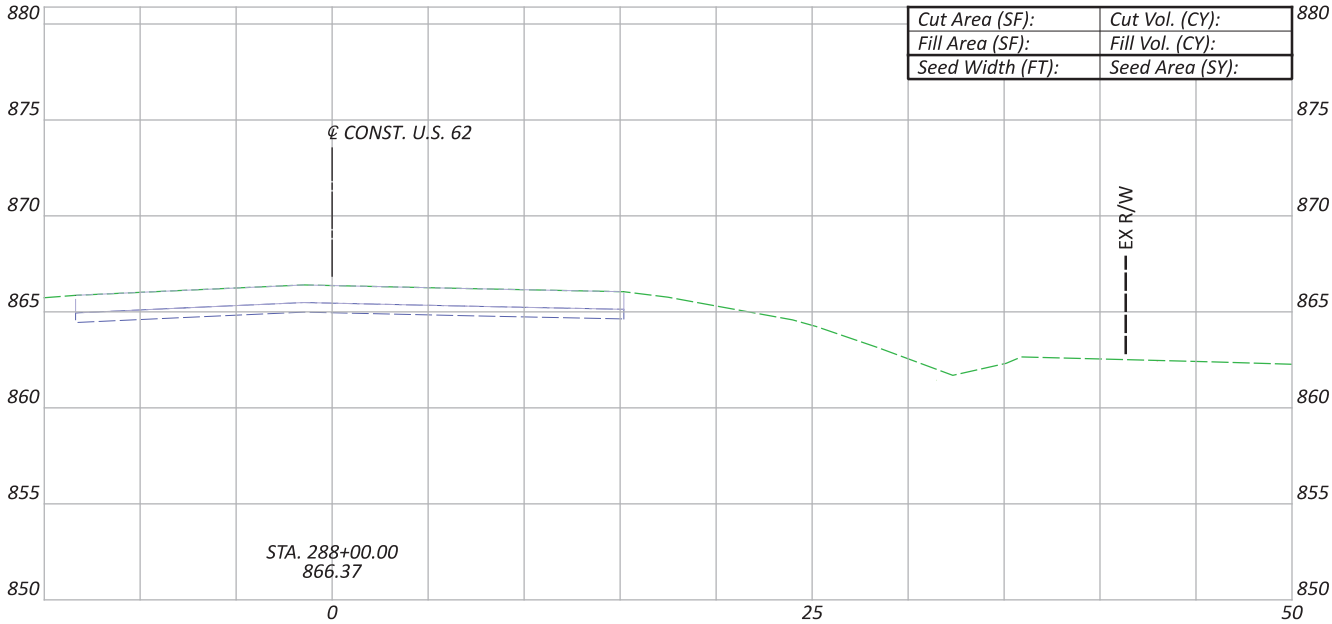
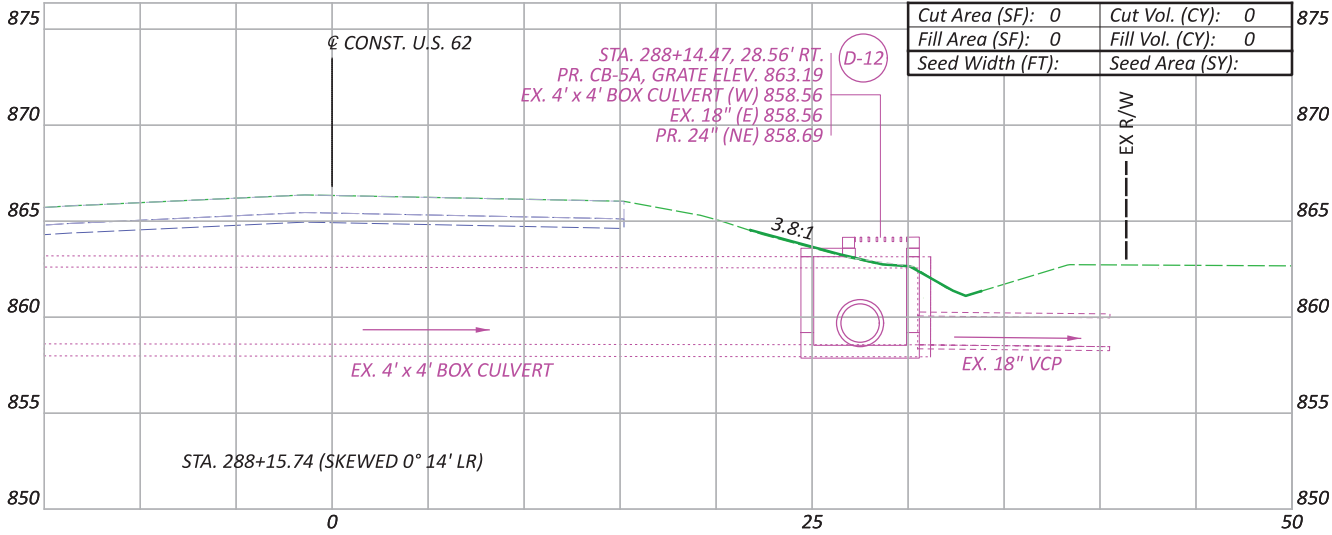
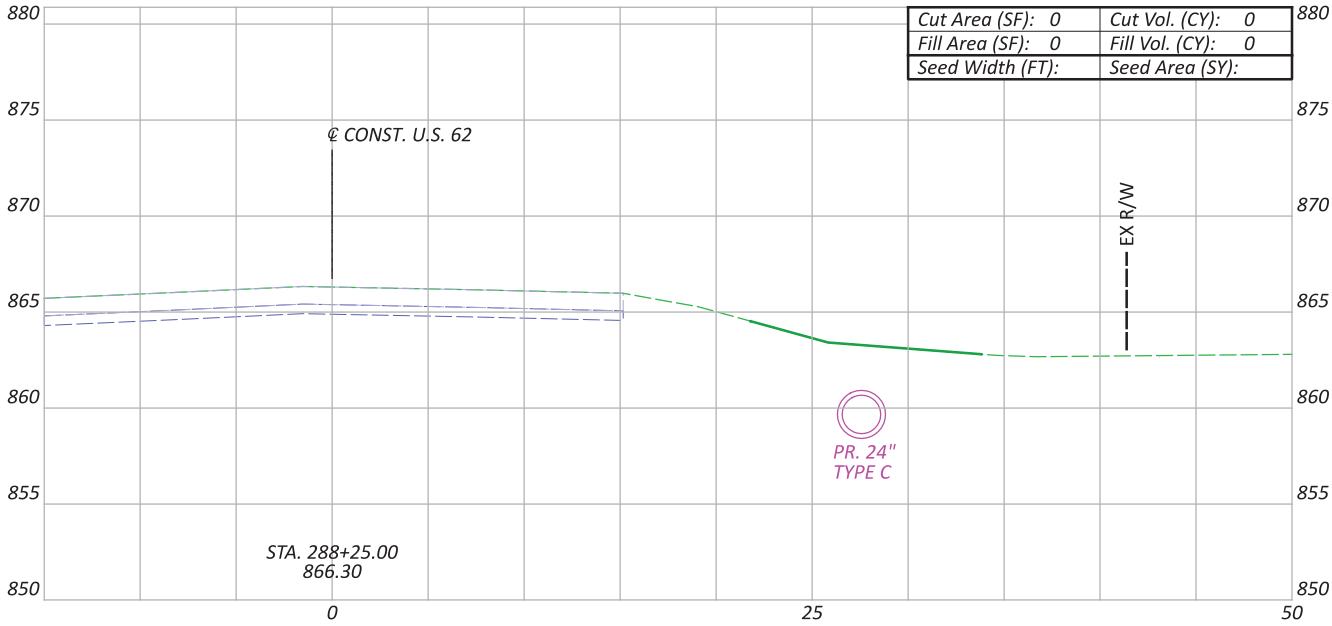




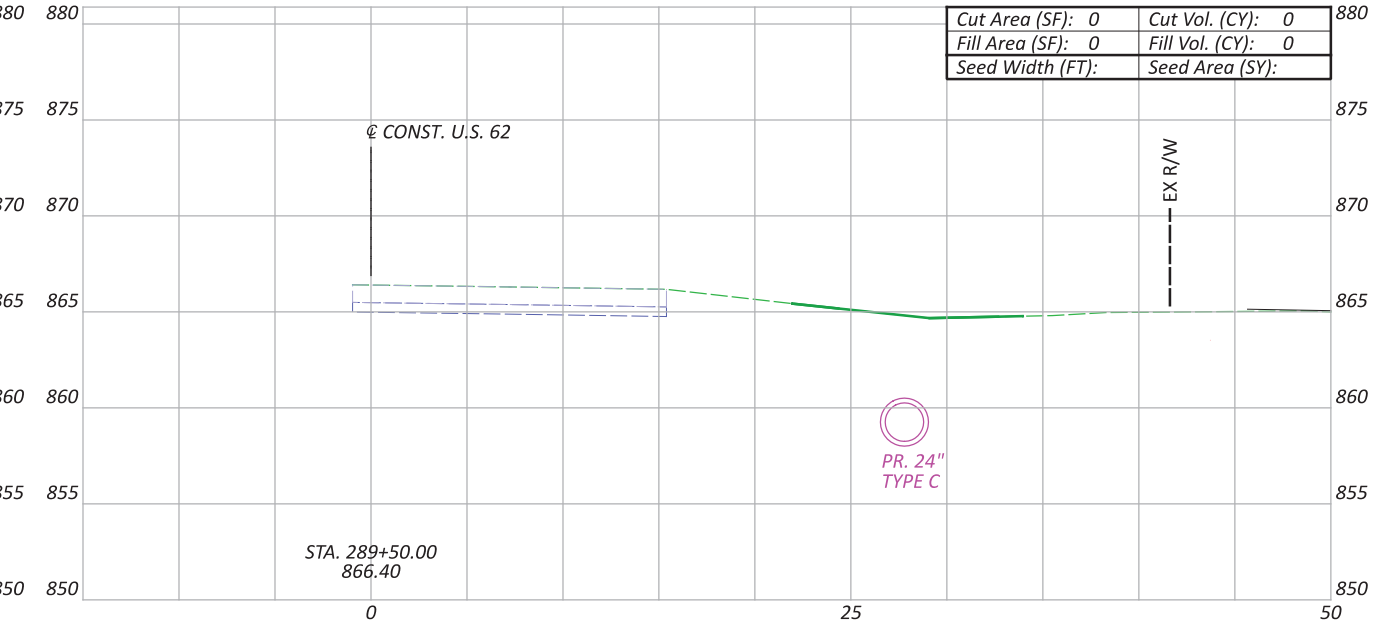
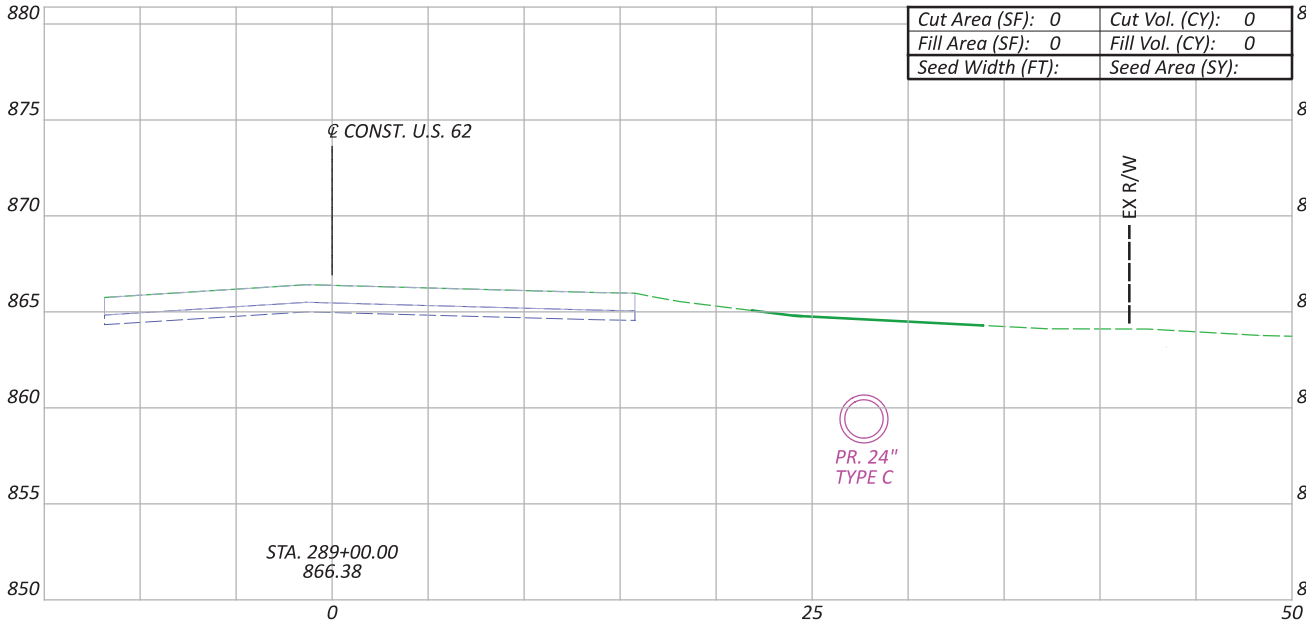
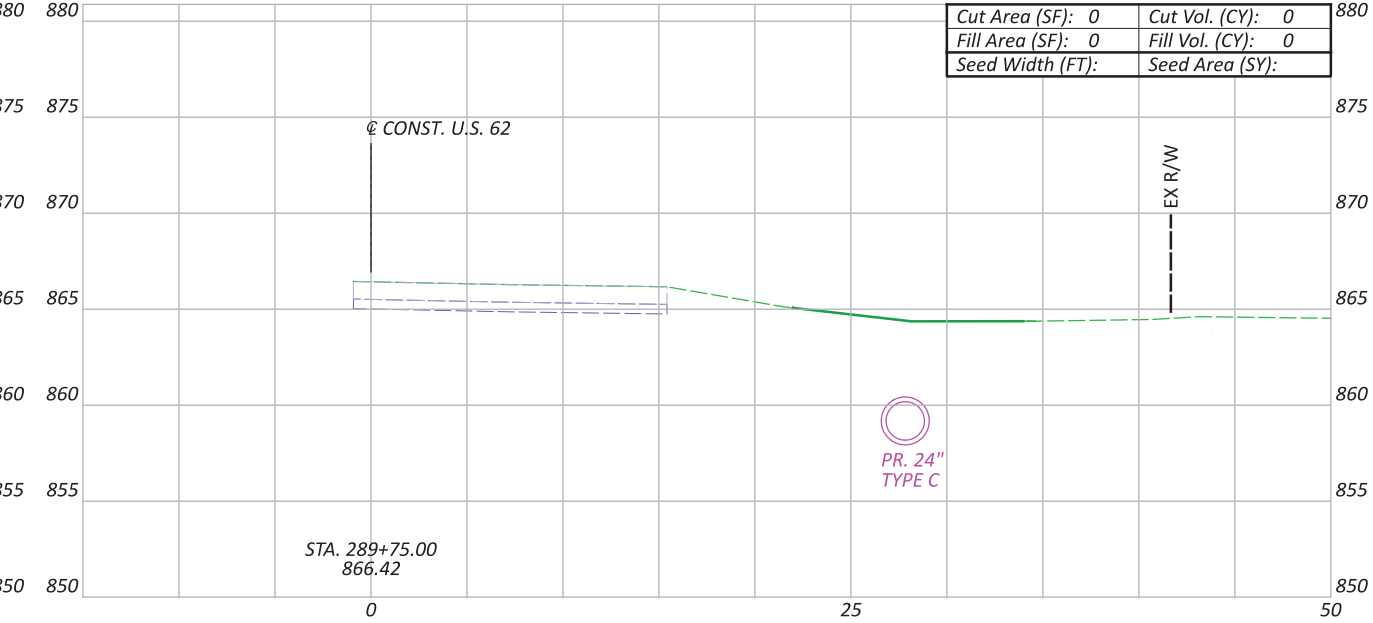
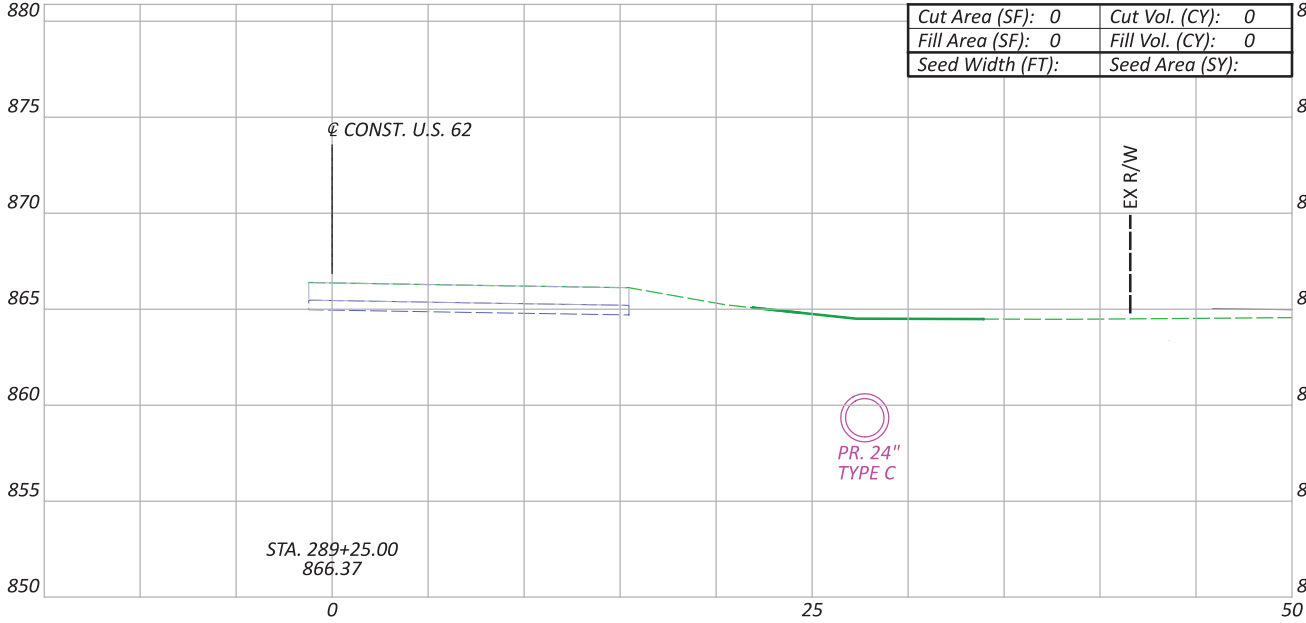






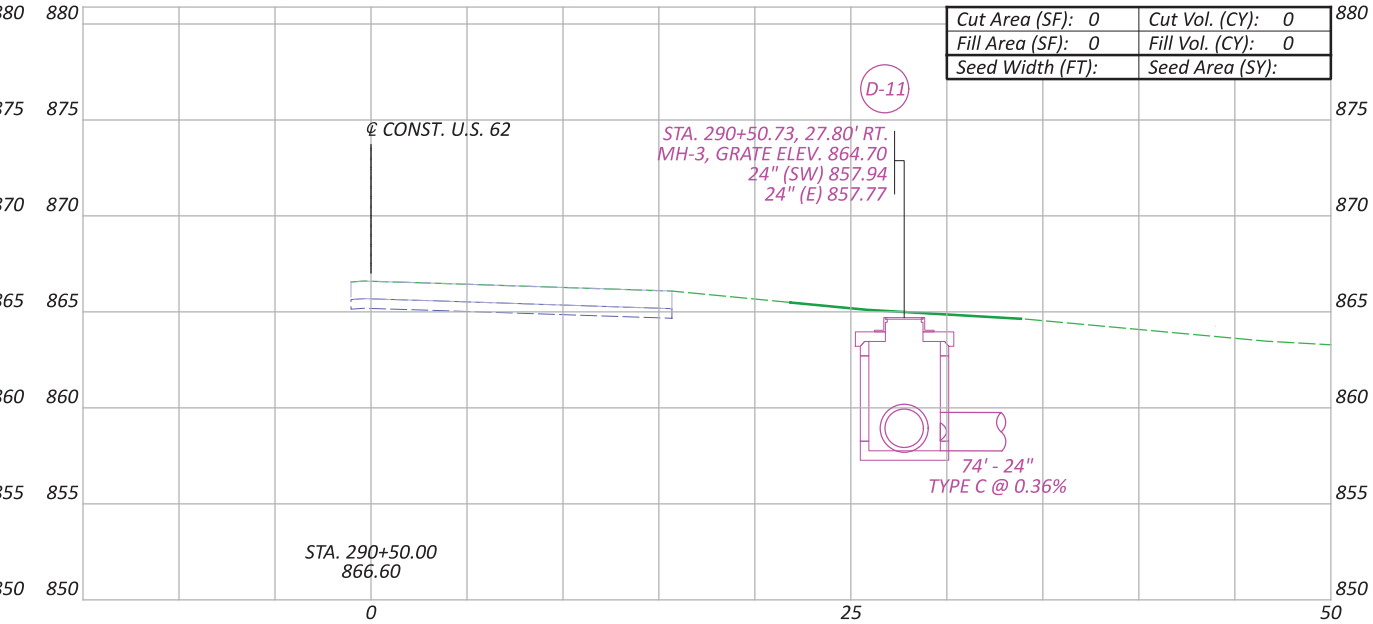
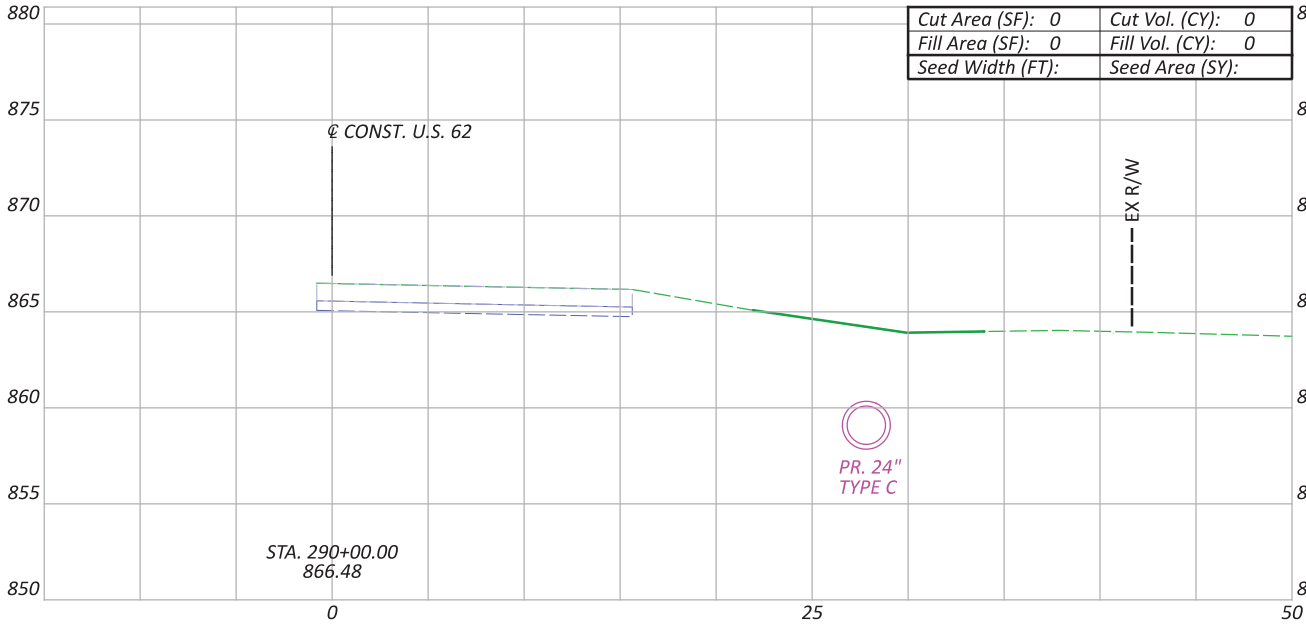
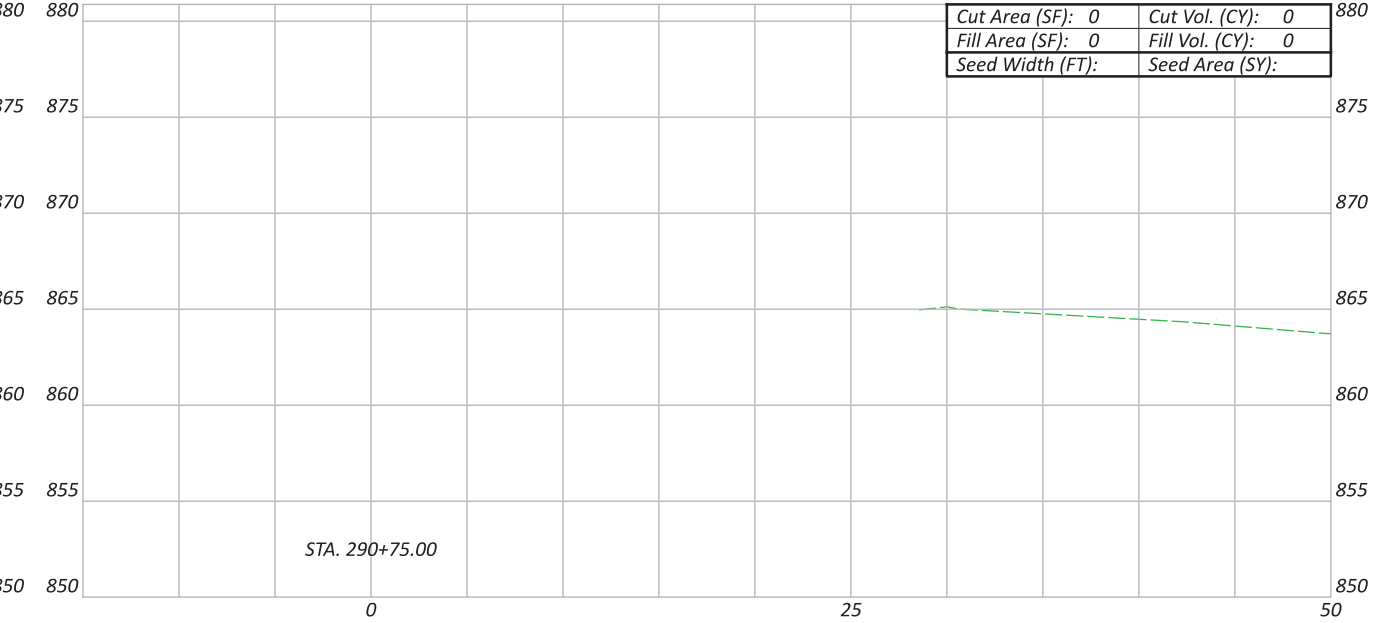
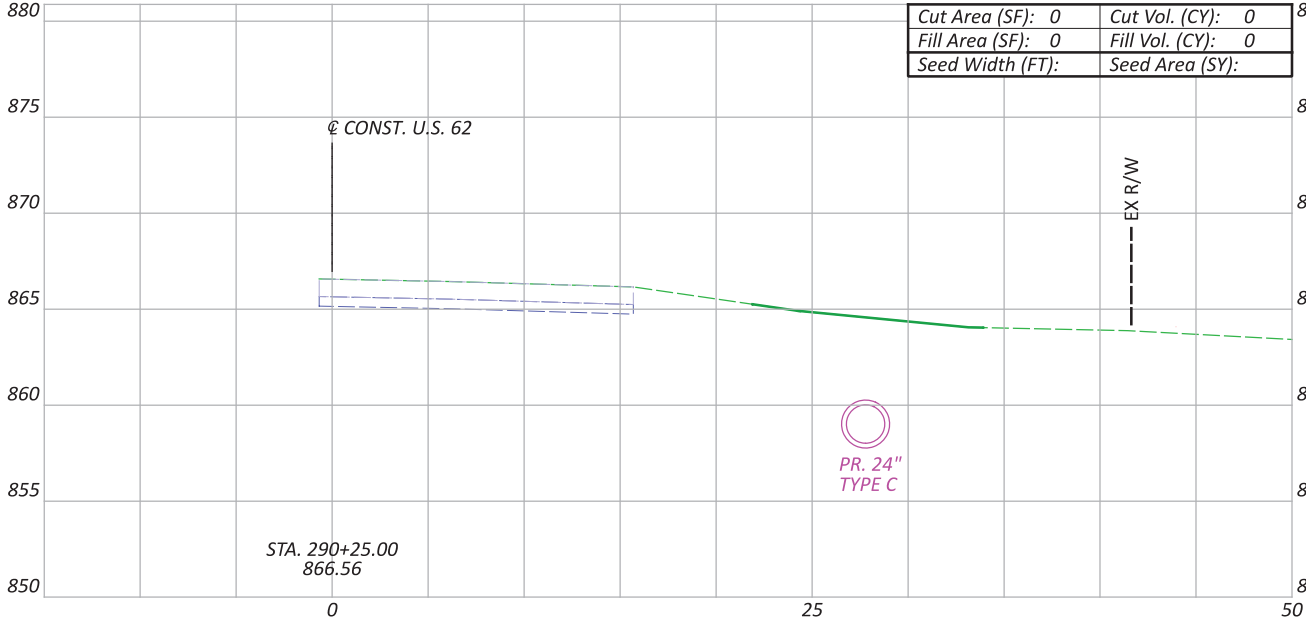






DESIGNER  
BBB  
REVIEWER  
SSK MM-DD-YY  
PROJECT ID  
119042

Sheet Totals			SHEET		TOTAL
Seeding	Cut	Fill	P.17		19



FOR ADDITIONAL STORM SEWER DETAIL, SEE SHEET 19

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

Sheet Totals			PROJECT ID	
Seeding	Cut	Fill	SHEET	TOTAL
			P.18	19

DESIGN AGENCY



RESOURCE  
INTERNATIONAL

0350 PRESIDENTIAL GATEWAY  
COLUMBUS, OHIO 43231  
(614) 822-4949

DESIGNER

BBB

REVIEWER

SSK MM-DD-YY

PROJECT ID

119042

