STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

RIC-42-0.41
RIC-545-2.36

MADISON TOWNSHIP
TROY TOWNSHIP

RICHLAND COUNTY

SEE SHEET 2 FOR LOCATION MAPS

LOCATION MAP

DESIGN DESIGNATION

SEE SHEET 2

DESIGN EXCEPTIONS

NONE REQUIRED

ADA DESIGN WAIVERS

NONE REQUIRED

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RIGHT OF WAY	RW.1-RW.7

FEDERAL PROJECT NUMBER

E210148

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

THIS PROJECT WILL INCLUDE THE REPLACEMENT OF A 3' X 2' STONE/CONCRETE BOX CULVERT UNDER US ROUTE 42 USING OPEN CUT METHODS, AND THE REPLACEMENT OF A 30" DIAMETER REINFORCED CONCRETE PIPE UNDER STATE ROUTE 545 USING OPEN CUT METHODS.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	N/A ACRES*
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	N/A ACRES*
NOTICE OF INTENT EARTH DISTURBED AREA:	N/A ACRES*

(* = MAINTENANCE PROJECT)

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.

MOT ENDORSEMENT

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT DETOURS WILL BE PROVIDED AS INDICATED ON SHEETS 10-11.

Robert Weaver
District 03 Deputy Director

Pamela Boratyn
Director, Department of Transportation

TITLE SHEET

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)

PLANS PREPARED BY:
OHIO DEPARTMENT OF TRANSPORTATION
DISTRICT THREE ENGINEERING

ENGINEER'S SEAL
STATE OF OHIO
ADAM C. MELLEN
E-83961
REGISTERED
PROFESSIONAL ENGINEER
Digitally signed by amellen
DN: CN=amellen, OU=People, OU=D03, OU=Divisions, DC=dot, DC=state, DC=oh, DC=us
Date: 2025.04.01 11:28:27-04'00'

STANDARD CONSTRUCTION DRAWINGS								SUPPLEMENTAL SPECIFICATIONS		SPECIAL PROVISIONS
DM-1.1	7/17/20	MT-97.10	4/19/19	TC-41.20	10/18/13			800-2023	1/17/25	WATERWAY PERMIT CONDITIONS DATED 02/19/25
DM-4.3	1/15/16	MT-101.60	1/17/25	TC-42.20	10/18/13			832	7/19/24	
DM-4.4	1/15/16	MT-105.10	1/17/20	TC-52.10	10/18/13			902	7/19/19	
				TC-52.20	1/15/21					
CB-2-5	7/19/24									
MH-3	7/19/24									
HW-2.1	7/15/22									
HW-2.2	7/20/18									
BP-3.1	1/19/24									
BP-4.1	7/19/13									
RM-1.1	1/20/23									

DESIGN AGENCY
DISTRICT 3
ENGINEERING TEAM THREE

DESIGNER	ACM
REVIEWER	KCK 01-02-25
PROJECT ID	113284
SHEET	P.1
TOTAL	31

RIC-42/545-0.41/2.36

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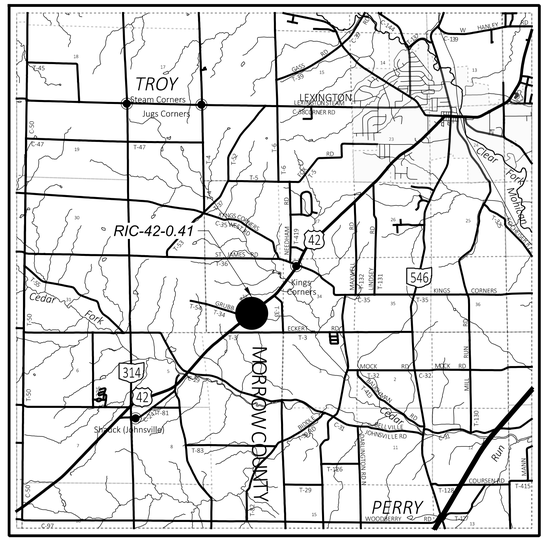


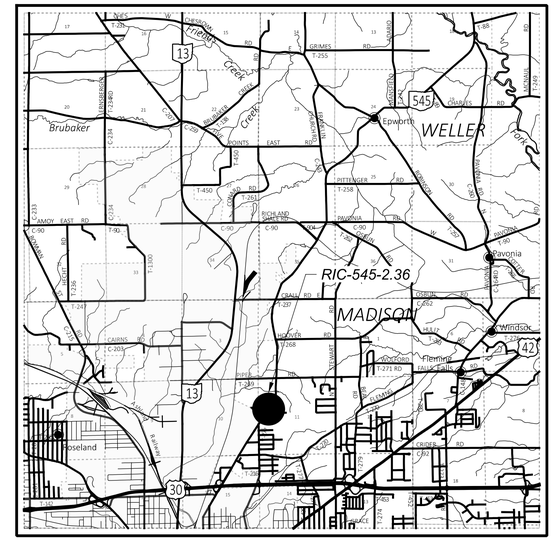
RIC-42-0.41 LOCATION MAP

LATITUDE: 40°38'28" N LONGITUDE: 82°37'58" W

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

DESIGN DESIGNATION

CURRENT ADT (2024)	2700
DESIGN YEAR ADT (2044)	3200
DESIGN HOURLY VOLUME (2044)	300
DIRECTIONAL DISTRIBUTION	51%
TRUCKS (24 HOUR B&C)	6%
DESIGN SPEED	55 MPH
LEGAL SPEED	55 MPH
DESIGN FUNCTIONAL CLASSIFICATION: RURAL MINOR ARTERIAL	
NHS PROJECT	NO



RIC-545-2.36 LOCATION MAP

LATITUDE: 40°47'37" N LONGITUDE: 82°29'30" W

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

DESIGN DESIGNATION

CURRENT ADT (2024)	3400
DESIGN YEAR ADT (2044)	3400
DESIGN HOURLY VOLUME (2044)	350
DIRECTIONAL DISTRIBUTION	50%
TRUCKS (24 HOUR B&C)	6%
DESIGN SPEED	50 MPH
LEGAL SPEED	50 MPH
DESIGN FUNCTIONAL CLASSIFICATION: URBAN MAJOR COLLECTOR	
NHS PROJECT	NO

LOCATION MAPS AND DESIGN DESIGNATION

DESIGN AGENCY
DISTRICT 3
ENGINEERING TEAM THREE

DESIGNER
ACM

REVIEWER
KCK 01-02-25

PROJECT ID
113284

SHEET P.2 TOTAL 31

RIC-42/545-0.41/2.36

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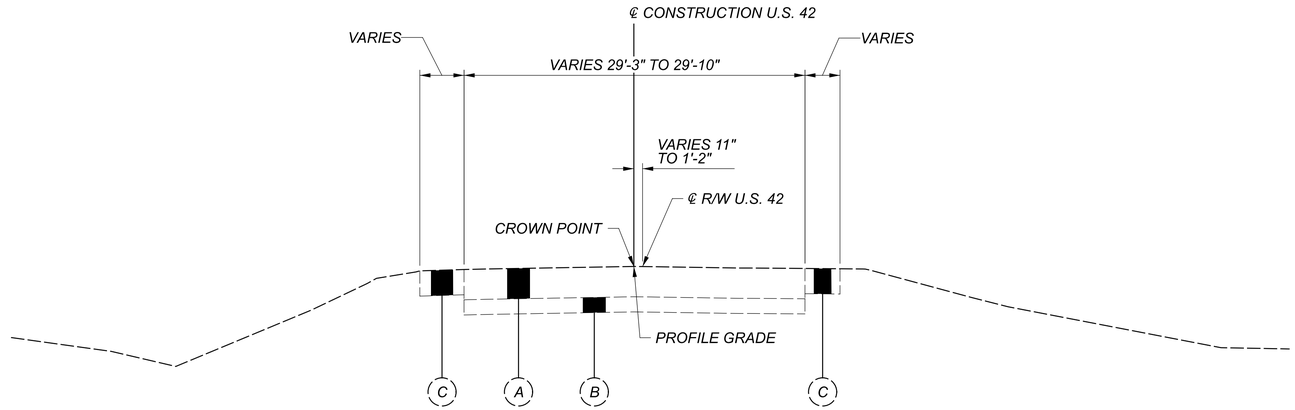
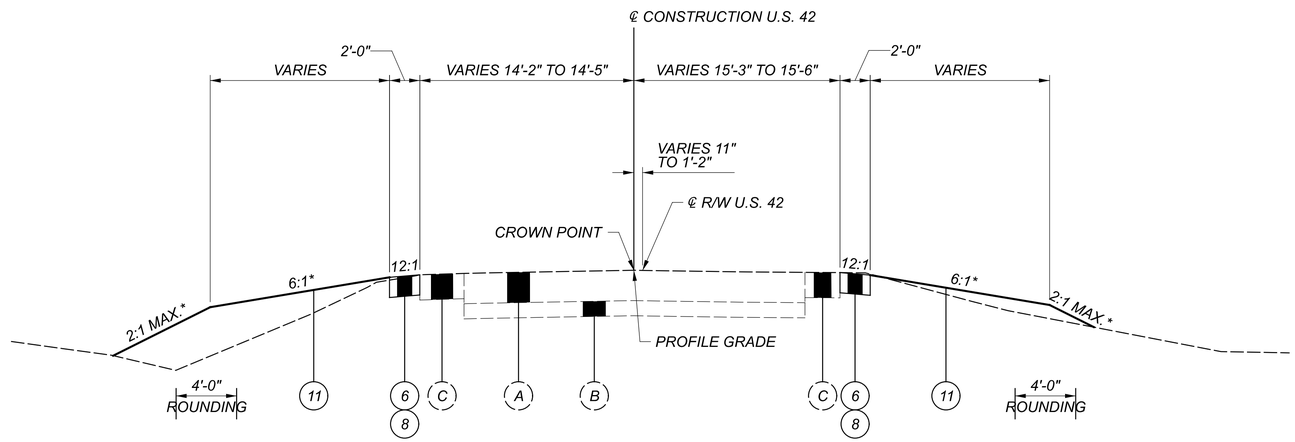


NORMAL EXISTING SECTION

SECTION APPLIES TO:

STA. 20+00.00 TO STA. 22+50.00 (LEFT AND RIGHT) = 250.00 FT



NORMAL SHOULDER SECTION

SECTION APPLIES TO:

STA. 20+00.00 TO STA. 20+25.00 (LEFT AND RIGHT) = 25.00 FT
STA. 22+25.00 TO STA. 22+50.00 (LEFT AND RIGHT) = 25.00 FT
TOTAL = 50.00 FT

*SEE CROSS SECTIONS FOR GRADED SHOULDER WIDTHS AND SLOPES.

PROPOSED LEGEND

1. ITEM 202 - PAVEMENT REMOVED
2. ITEM 204 - SUBGRADE COMPACTION
3. ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (VARIES 0" TO 3.0")
4. ITEM 301 - ASPHALT CONCRETE BASE, PG64-22, (449) (7.0")
5. ITEM 304 - AGGREGATE BASE (6.0")
6. ITEM 304 - AGGREGATE BASE (8.0")
7. ITEM 407 - TACK COAT
   0.08 GAL/SY 1ST LIFT, 0.05 GAL/SY 2ND LIFT IN RESURFACING SECTION
   0.05 GAL/SY IN FULL DEPTH SECTION
8. ITEM 408 - PRIME COAT, AS PER PLAN (0.4 GAL/SY)
9. ITEM 442 - ASPHALT CONCRETE SURFACE COURSE, 9.5 MM, TYPE A (449), AS PER PLAN (PG64-22) (3.0")
10. ITEM 605 - AGGREGATE DRAINS (0.08 PREF. SLOPE, 0.04 MIN. SLOPE)
11. ITEM 659 - SEEDING AND MULCHING

EXISTING LEGEND

- (A) ASPHALT CONCRETE (12.0"±)
- (B) PORTLAND CEMENT CONCRETE (6.0"±)
- (C) ASPHALT CONCRETE (10.0"±)

TYPICAL SECTIONS
RIC-42-0.41

DESIGN AGENCY
DISTRICT 3
ENGINEERING TEAM THREE

DESIGNER
ACM

REVIEWER
KCK 01-02-25

PROJECT ID
113284

SHEET P.3 TOTAL 31

RIC-42/545-0.41/2.36

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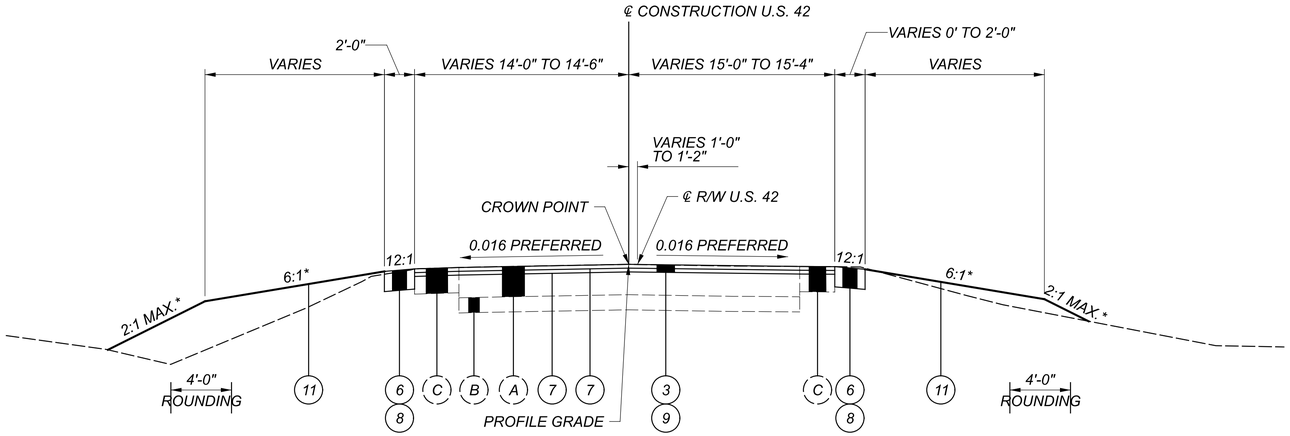
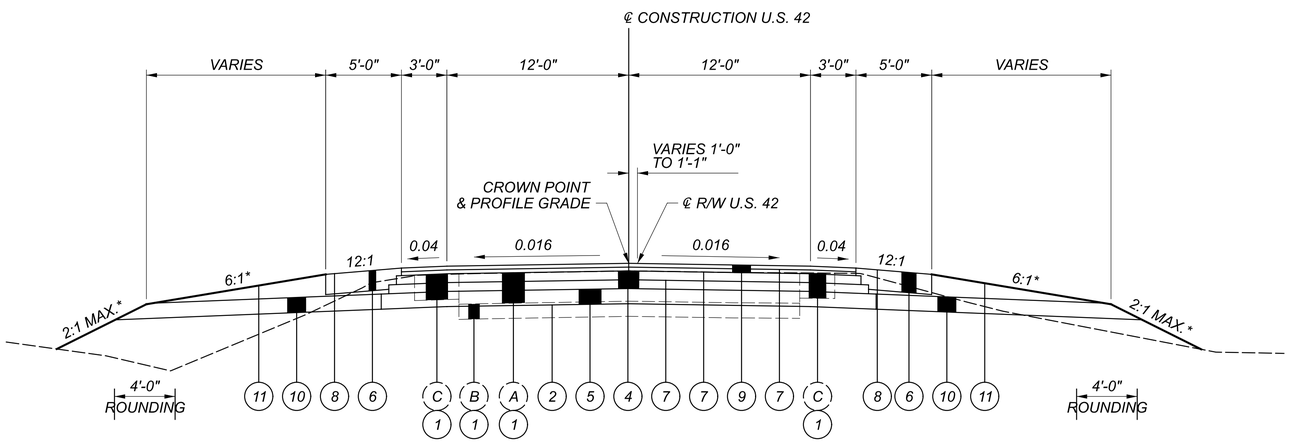


NORMAL RESURFACING SECTION

SECTION APPLIES TO:

STA. 20+25.00 TO STA. 21+00.00 (LEFT AND RIGHT) = 75.00 FT
STA. 22+00.00 TO STA. 22+25.00 (LEFT AND RIGHT) = 25.00 FT

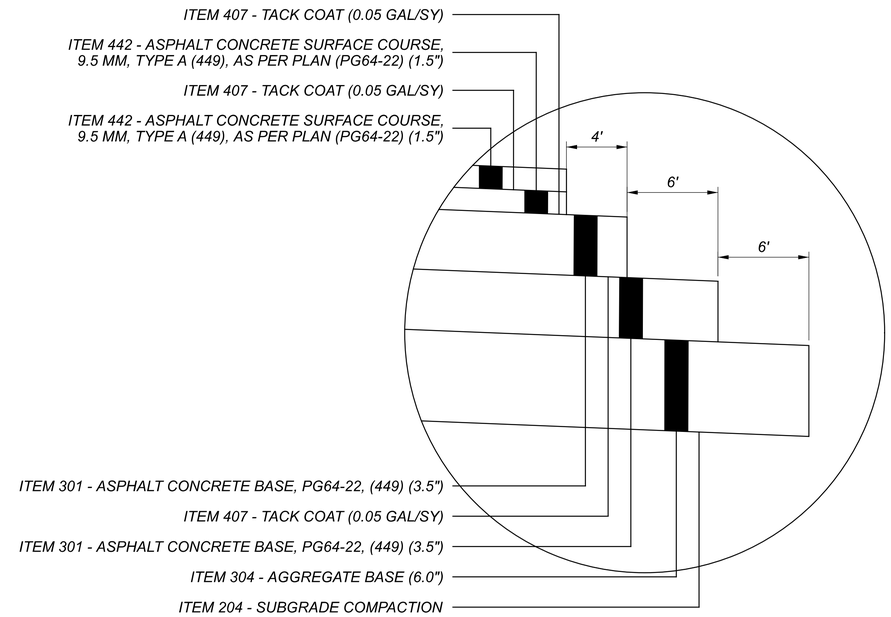
TOTAL = 100.00 FT



NORMAL FULL DEPTH SECTION

SECTION APPLIES TO:

STA. 21+00.00 TO STA. 22+00.00 (LEFT AND RIGHT) = 100.00 FT



DETAIL A

*SEE CROSS SECTIONS FOR GRADED SHOULDER WIDTHS AND SLOPES.

PROPOSED LEGEND

1. ITEM 202 - PAVEMENT REMOVED
2. ITEM 204 - SUBGRADE COMPACTION
3. ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (VARIES 0" TO 3.0")
4. ITEM 301 - ASPHALT CONCRETE BASE, PG64-22, (449) (7.0")
5. ITEM 304 - AGGREGATE BASE (6.0")
6. ITEM 304 - AGGREGATE BASE (8.0")
7. ITEM 407 - TACK COAT
   0.08 GAL/SY 1ST LIFT, 0.05 GAL/SY 2ND LIFT IN RESURFACING SECTION
   0.05 GAL/SY IN FULL DEPTH SECTION
8. ITEM 408 - PRIME COAT, AS PER PLAN (0.4 GAL/SY)
9. ITEM 442 - ASPHALT CONCRETE SURFACE COURSE, 9.5 MM, TYPE A (449), AS PER PLAN (PG64-22) (3.0")
10. ITEM 605 - AGGREGATE DRAINS (0.08 PREF. SLOPE, 0.04 MIN. SLOPE)
11. ITEM 659 - SEEDING AND MULCHING

EXISTING LEGEND

- A ASPHALT CONCRETE (12.0"±)
- B PORTLAND CEMENT CONCRETE (6.0"±)
- C ASPHALT CONCRETE (10.0"±)

TYPICAL SECTIONS
RIC-42-0.41

DESIGN AGENCY
DISTRICT 3
ENGINEERING TEAM THREE
DESIGNER
ACM
REVIEWER
KCK 01-02-25
PROJECT ID
113284
SHEET P.4 TOTAL 31

RIC-42/545-0.41/2.36

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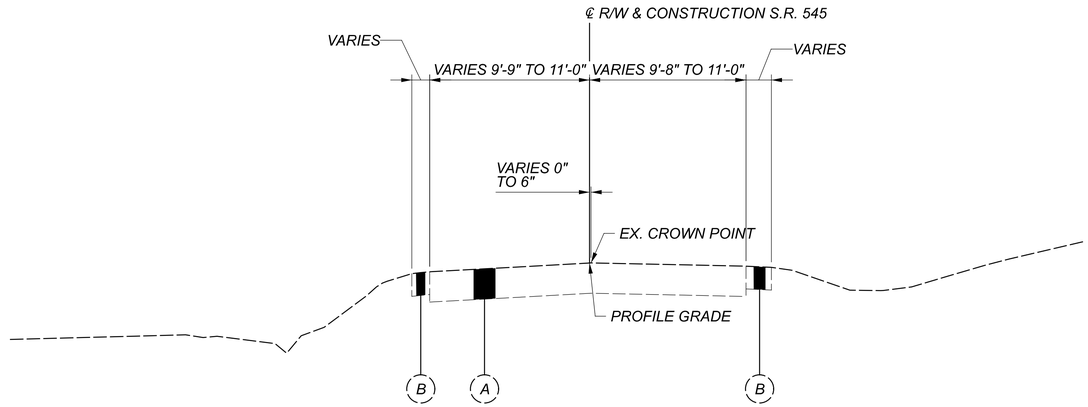
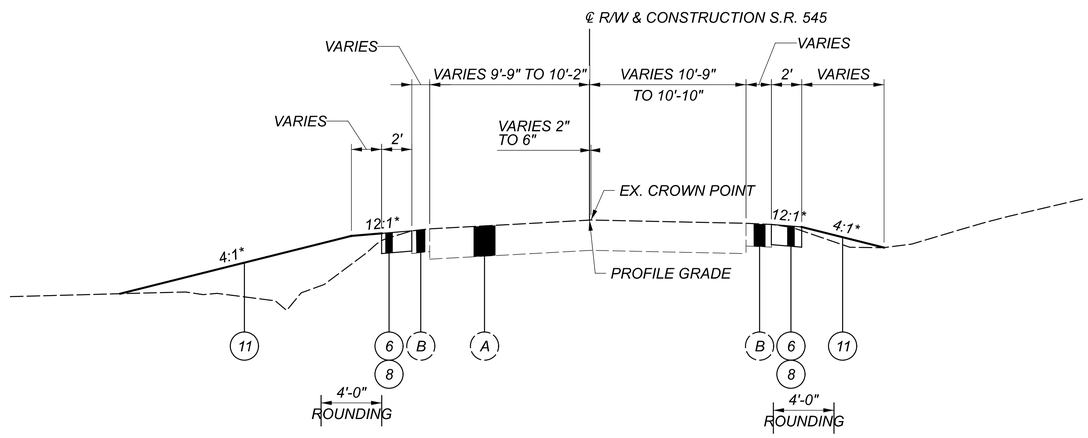


NORMAL EXISTING SECTION

SECTION APPLIES TO:

STA. 123+60.00 TO STA. 124+85.00 (LEFT AND RIGHT) = 125.00 FT
STA. 124+85.00 TO STA. 125+25.00 (LEFT) = 40.00 FT
TOTAL = 165.00 FT



NORMAL SHOULDER SECTION

SECTION APPLIES TO:

STA. 124+80.00 TO STA. 124+85.00 (LEFT AND RIGHT) = 5.00 FT
STA. 124+85.00 TO STA. 125+25.00 (LEFT) = 40.00 FT
TOTAL = 45.00 FT

*SEE CROSS SECTIONS FOR GRADED SHOULDER WIDTHS AND SLOPES.

PROPOSED LEGEND

1. ITEM 202 - PAVEMENT REMOVED
2. ITEM 204 - SUBGRADE COMPACTION
3. ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (3.0")
4. ITEM 301 - ASPHALT CONCRETE BASE, PG64-22, (449) (8.0")
5. ITEM 304 - AGGREGATE BASE (6.0")
6. ITEM 304 - AGGREGATE BASE (8.0")
7. ITEM 407 - TACK COAT
   0.08 GAL/SY 1ST LIFT, 0.05 GAL/SY 2ND LIFT IN RESURFACING SECTION
   0.05 GAL/SY IN FULL DEPTH SECTION
8. ITEM 408 - PRIME COAT, AS PER PLAN (0.4 GAL/SY)
9. ITEM 442 - ASPHALT CONCRETE SURFACE COURSE, 9.5 MM, TYPE A (449), AS PER PLAN (PG64-22) (3.0")
10. ITEM 605 - AGGREGATE DRAINS (0.08 PREF. SLOPE, 0.04 MIN. SLOPE)
11. ITEM 659 - SEEDING AND MULCHING

EXISTING LEGEND

- (A) ASPHALT CONCRETE (12.0"±)
- (B) ASPHALT CONCRETE (9.0"±)

TYPICAL SECTIONS
RIC-545-2.36

DESIGN AGENCY
DISTRICT 3
ENGINEERING TEAM THREE

DESIGNER
ACM

REVIEWER
KCK 01-02-25

PROJECT ID
113284

SHEET P.5 TOTAL 31

RIC-42/545-0.41/2.36

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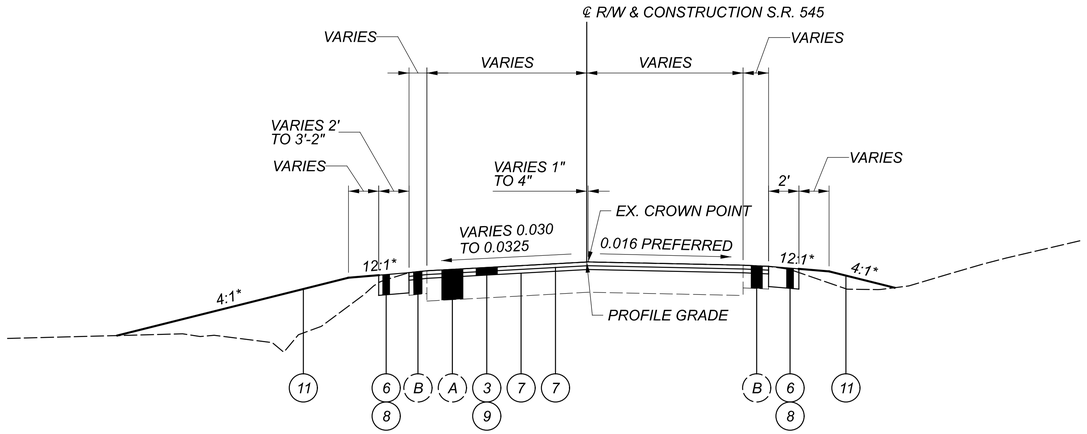
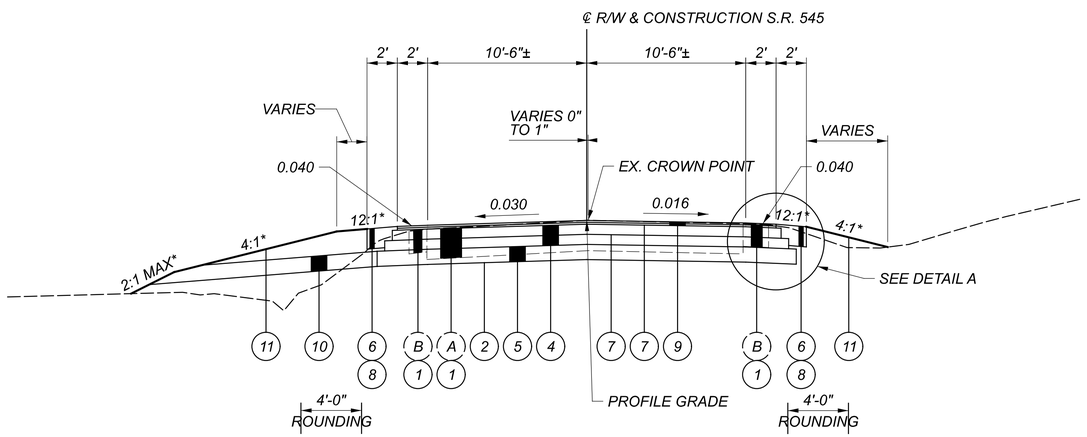


NORMAL RESURFACING SECTION

SECTION APPLIES TO:

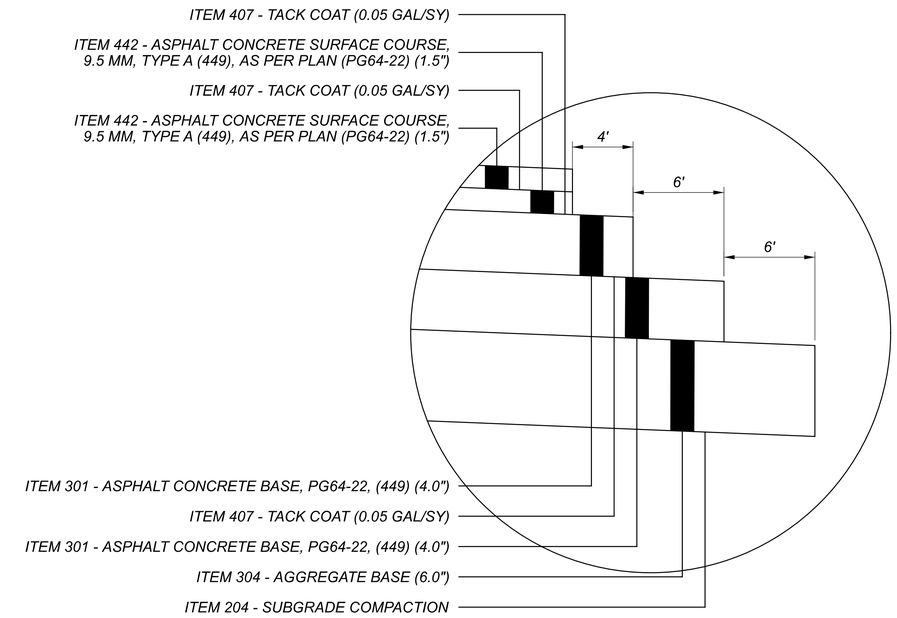
STA. 123+60.00 TO STA. 124+00.00 (LEFT AND RIGHT) = 40.00 FT
STA. 124+50.00 TO STA. 124+80.00 (LEFT AND RIGHT) = 30.00 FT
TOTAL = 70.00 FT



NORMAL FULL DEPTH SECTION

SECTION APPLIES TO:

STA. 124+00.00 TO STA. 124+50.00 (LEFT AND RIGHT) = 50.00 FT



DETAIL A

*SEE CROSS SECTIONS FOR GRADED SHOULDER WIDTHS AND SLOPES.

PROPOSED LEGEND

1. ITEM 202 - PAVEMENT REMOVED
2. ITEM 204 - SUBGRADE COMPACTION
3. ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (3.0")
4. ITEM 301 - ASPHALT CONCRETE BASE, PG64-22, (449) (8.0")
5. ITEM 304 - AGGREGATE BASE (6.0")
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   0.08 GAL/SY 1ST LIFT, 0.05 GAL/SY 2ND LIFT IN RESURFACING SECTION
   0.05 GAL/SY IN FULL DEPTH SECTION
8. ITEM 408 - PRIME COAT, AS PER PLAN (0.4 GAL/SY)
9. ITEM 442 - ASPHALT CONCRETE SURFACE COURSE, 9.5 MM, TYPE A (449), AS PER PLAN (PG64-22) (3.0")
10. ITEM 605 - AGGREGATE DRAINS (0.08 PREF. SLOPE, 0.04 MIN. SLOPE)
11. ITEM 659 - SEEDING AND MULCHING

EXISTING LEGEND

- A ASPHALT CONCRETE (12.0"±)
- B ASPHALT CONCRETE (9.0"±)

TYPICAL SECTIONS
RIC-545-2.36

DESIGN AGENCY
DISTRICT 3
ENGINEERING TEAM THREE

DESIGNER
ACM

REVIEWER
KCK 01-02-25

PROJECT ID
113284

SHEET P.6 TOTAL 31

RIC-42/545-0.41/2.36

MODEL: RIC-545 TYPICALS 2 PAPERSIZE: 34x22 (in.) DATE: 1/24/2025 TIME: 11:23:56 AM USER: amellen
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GENERAL

ROUNDING (G101)

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

UTILITIES (G102A)

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

RIC-42-0.41:

ELECTRIC
CONSOLIDATED ELECTRIC CO-OP
ATTN: CHAD BREWER
5255 STATE ROUTE 95, P.O. BOX 111
MOUNT GILEAD, OH 43338
419.947.3055

COMMUNICATION
CHARTER COMMUNICATIONS
ATTN: JON PUCKETT
1575 LEXINGTON AVENUE
MANSFIELD, OH 44907
419.632.6724

COMMUNICATION
BRIGHTSPEED
ATTN: TIM BOWSER
175 ASHLAND ROAD, P.O. BOX 3555
MANSFIELD, OH 44907
419.755.7251

COMMUNICATION
ZAYO FIBER SOLUTIONS
ATTN: DAVE GALUSKA
4199 KINROSS LAKES PKWY, SUITE 10
RICHFIELD, OH 44286
234.281.0025

RIC-545-2.36:

ELECTRIC
OHIO EDISON
ATTN: TRAVIS BALLOG
1717 ASHLAND ROAD
MANSFIELD, OH 44905
419.521.6214

GAS
COLUMBIA GAS OF OHIO
ATTN: NATE KLAIBER
1021 N. MAIN STREET
MANSFIELD, OH 44903
419.632.0599

COMMUNICATION
BRIGHTSPEED
ATTN: TIM BOWSER
175 ASHLAND ROAD, P.O. BOX 3555
MANSFIELD, OH 44907
419.755.7251

COMMUNICATION
CHARTER COMMUNICATIONS
ATTN: JON PUCKETT
1575 LEXINGTON AVENUE
MANSFIELD, OH 44907
419.632.6724

COMMUNICATION
EVERSTREAM
ATTN: JOSEPH GIRDLESTONE
1228 EUCLID AVENUE, SUITE 250
CLEVELAND, OH 44115
234.521.2999

THE AFOREMENTIONED UTILITY COMPANIES AND AGENCIES HAVE VARIOUS FACILITIES IN THE AREA THAT WILL REMAIN IN PLACE DURING CONSTRUCTION.

EXTREME CAUTION SHOULD BE EXERCISED IN AREAS WITH UTILITIES. SECTIONS 105.07 AND 107.16 OF THE DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS REQUIRE, AMONG OTHER THINGS, THAT THE CONTRACTOR COOPERATE WITH ALL UTILITIES LOCATED WITHIN THE LIMITS OF THIS CONSTRUCTION PROJECT AND TAKE RESPONSIBILITY FOR THE PROTECTION OF THE UTILITY PROPERTY AND SERVICES.

CONSTRUCTION NOISE (G104)

ACTIVITIES AND LAND USE ADJACENT TO THIS PROJECT MAY BE AFFECTED BY CONSTRUCTION NOISE. IN ORDER TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS, DO NOT OPERATE POWER-OPERATED CONSTRUCTION-TYPE DEVICES BETWEEN THE HOURS OF 7:00PM AND 7:00AM. IN ADDITION, DO NOT OPERATE AT ANY TIME ANY DEVICE IN SUCH A MANNER THAT THE NOISE CREATED SUBSTANTIALLY EXCEEDS THE NOISE CUSTOMARILY AND NECESSARILY ATTENDANT TO THE REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT.

WORK LIMITS (G106)

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

ROUTINE MAINTENANCE

BETWEEN THE TIME THAT BIDS ARE TAKEN AND THE START OF CONSTRUCTION, THE MAINTAINING AGENCY MAY ENTER UPON THE PROJECT AND PERFORM ROUTINE MAINTENANCE SUCH AS CRACK SEALING, PATCHING, AND BERM AND SHOULDER REPAIR. THE EFFECTS, IF ANY, OF THE PERFORMANCE OF ROUTINE MAINTENANCE SHALL BE CONSIDERED AS INHERENT IN WORK OF THE CHARACTER PROVIDED FOR IN THE PLAN AND THE RESULTING CONDITIONS SHALL NOT BE CONSIDERED AS DIFFERING MATERIALLY FROM THOSE EXISTING AT THE TIME BIDS WERE TAKEN.

UTILITY LINES

ALL EXPENSES INVOLVED IN RELOCATING OR INSTALLING THE AFFECTED UTILITY LINES SHALL BE THE RESPONSIBILITY OF THEIR RESPECTIVE OWNERS. THE CONTRACTOR AND OWNER(S) ARE REQUESTED TO COOPERATE BY ARRANGING THEIR WORK IN SUCH A MANNER THAT INCONVENIENCE TO EITHER WILL BE HELD TO A MINIMUM.

SURVEYING PARAMETERS (G105)

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE THE CENTERLINE PLAT SHEETS OF THE RIGHT OF WAY PLANS FOR TABLES CONTAINING PROJECT CONTROL INFORMATION.

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

PROJECT CONTROL
POSITIONING METHOD: GPS OBSERVATIONS PER THE ODOT VRS NETWORK
MONUMENT TYPE: TYPE B

RIC-42-0.41:

VERTICAL POSITIONING
ORTHOMETRIC HEIGHT DATUM: NAVD88
GEOID: GEOID 12B

HORIZONTAL POSITIONING
REFERENCE FRAME: NAD83 (2011)
ELLIPSOID: GRS80
MAP PROJECTION: LAMBERT CONFORMAL CONIC
COORDINATE SYSTEM: OHIO STATE PLANE – NORTH ZONE (3401) SCALED BY A COMBINED GRID SCALE AND ELEVATION PROJECT ADJUSTMENT FACTOR ABOUT THE GRID ORIGIN N=0, E=0 COORDINATE
COMBINED SCALE FACTOR: UNITLESS GRID TO PROJECT ADJUSTMENT FACTOR (PAF)
MULTIPLIER = 1.00009234
GRID (METERS) TO PROJECT (U.S. SURVEY FEET)
MULTIPLIER = 3.281136285
ORIGIN OF COORDINATE SYSTEM: N=0, E=0 COORDINATE

RIC-545-2.36:

VERTICAL POSITIONING
ORTHOMETRIC HEIGHT DATUM: NAVD88
GEOID: GEOID 18

HORIZONTAL POSITIONING
REFERENCE FRAME: NAD83 (2011)
ELLIPSOID: GRS80
MAP PROJECTION: LAMBERT CONFORMAL CONIC
COORDINATE SYSTEM: OHIO STATE PLANE – NORTH ZONE (3401) SCALED BY A COMBINED GRID SCALE AND ELEVATION PROJECT ADJUSTMENT FACTOR ABOUT THE GRID ORIGIN N=0, E=0 COORDINATE
COMBINED SCALE FACTOR: UNITLESS GRID TO PROJECT ADJUSTMENT FACTOR (PAF)
MULTIPLIER = 1.00010706
GRID (METERS) TO PROJECT (U.S. SURVEY FEET)
MULTIPLIER = 3.284345793
ORIGIN OF COORDINATE SYSTEM: N=0, E=0 COORDINATE

PROJECT COORDINATE UNITS ARE IN U.S. SURVEY FEET, GRID COORDINATE UNITS ARE IN METERS. USE THE FOLLOWING CONVERSION FACTOR:
1 METER = 39.37 INCHES = 3.280833333 U.S. SURVEY FEET

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

ODOT CONSTRUCTION AND MATERIAL SPECIFICATIONS ITEM 623 WILL GOVERN CONSTRUCTION SURVEYING ACTIVITY.

THE FOLLOWING MONUMENT VERIFICATION REPORTS WILL BE REQUIRED:

623.04a – PRECONSTRUCTION MONUMENT VERIFICATION AND REPORT - LUMP SUM CARRIED TO GEN SUM
623.04b – POST CONSTRUCTION MONUMENT VERIFICATION AND REPORT - LUMP SUM CARRIED TO GEN SUM

ENVIRONMENTAL COMMITMENTS

THE PROJECT IS LOCATED WITHIN THE KNOWN HABITAT RANGES OF THE FEDERALLY LISTED AND PROTECTED INDIANA BAT AND NORTHERN LONG-EARED BAT. THE CONTRACTOR SHALL NOT REMOVE TREES UNDER THIS PROJECT FROM APRIL 1 THROUGH SEPTEMBER 30. ALL NECESSARY TREE REMOVAL SHALL OCCUR FROM OCTOBER 1 THROUGH MARCH 31. THE CONTRACTOR SHALL DEMARCATE CLEARING LIMITS IN THE FIELD TO AVOID ANY UNAUTHORIZED TREE CLEARING. THIS REQUIREMENT IS NECESSARY TO AVOID AND MINIMIZE IMPACTS TO THESE SPECIES AS REQUIRED BY THE ENDANGERED SPECIES ACT. FOR THE PURPOSES OF THIS NOTE, A TREE IS DEFINED AS A LIVE, DYING, OR DEAD WOODY PLANT, WITH A TRUNK THREE INCHES OR GREATER IN DIAMETER AT A HEIGHT OF 4.5 FEET ABOVE THE GROUND SURFACE, AND WITH A MINIMUM HEIGHT OF 13 FEET.

ODOT WILL OBTAIN AND ADHERE TO ALL APPROPRIATE WATERWAY PERMITS PRIOR TO ANY WORK BELOW THE ORDINARY HIGH WATER MARK OF ANY WATERWAY AND ALL SPECIAL PROVISIONS FOR WATERWAY PERMITS WILL BE INCLUDED IN THE PLANS. ODOT WILL ADHERE TO ALL APPROPRIATE WATERWAY PERMITS AND ALL SPECIAL PROVISIONS FOR WATERWAY PERMITS THROUGHOUT CONSTRUCTION.

WINDOW CONTRACT TABLE

USE THE FOLLOWING TABLE AS REFERRED TO IN THE PROPOSAL:

DESCRIPTION OF CRITICAL WORK	CALENDAR DAYS TO COMPLETE
ALL WORK ON U.S. 42	43 DAYS
ALL WORK ON S.R. 545	43 DAYS

AIRWAY/HIGHWAY CLEARANCE FOR AIRPORTS AND HELIPORTS (G118B)

THE WORK LOCATION ON STATE ROUTE 545 IN RICHLAND COUNTY ON THIS PROJECT HAS BEEN IDENTIFIED AS BEING WITHIN THE INFLUENCE AREA OF A PUBLIC USE AIRPORT OR HELIPORT. NO TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT AT MAXIMUM OPERATING HEIGHT SHALL EXCEED 62 FT. IF ANY TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT WILL EXCEED THIS HEIGHT, FURTHER COORDINATION WITH THE FEDERAL AVIATION ADMINISTRATION (FAA) AND THE DISTRICT THREE FAA COORDINATOR WILL BE NECESSARY PRIOR TO ERECTING SUCH TEMPORARY STRUCTURES OR OPERATING SUCH EQUIPMENT ON THE PROJECT. THE CONTRACTOR WILL BE REQUIRED TO SUBMIT FORM 7460-1 TO THE FAA VIA THE FAA OBSTRUCTION EVALUATION GROUP'S ONLINE PROJECT FILING PROCESS. NOTIFY THE ODOT DISTRICT THREE FAA COORDINATOR WHEN SUBMITTING FAA FORM 7460-1.

NO TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT SHALL EXCEED THE PERMISSIBLE HEIGHT, UNTIL A COPY OF THE FAA APPROVAL AND THE ODOT OFFICE OF AVIATION PERMIT HAS BEEN FURNISHED TO THE PROJECT ENGINEER AND THE DISTRICT FAA COORDINATOR VIA EMAIL AT Ethan.Caudill@dot.ohio.gov.

FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGIONAL OFFICE
OBSTRUCTION EVALUATION GROUP
10101 HILLWOOD PARKWAY
FORT WORTH, TX 76177
FAX: 817.222.5920
http://oeaaa.faa.gov

ODOT DISTRICT THREE
DISTRICT FAA COORDINATOR
906 CLARK AVENUE
ASHLAND, OHIO 44805
419.207.7132
Ethan.Caudill@dot.ohio.gov

ROADWAY

MONUMENT ASSEMBLIES (G110)

CONSTRUCT MONUMENT ASSEMBLIES IN ACCORDANCE WITH THE DETAILS SHOWN ON THE STANDARD CONSTRUCTION DRAWINGS AND AT THE LOCATIONS SHOWN ON SHEET NO. RW.3 (BOTH CULVERTS).

FENCE LENGTHS (G119)

THE LENGTHS OF FENCE SHOWN IN THE PLANS ARE HORIZONTAL DIMENSIONS. MEASUREMENTS OF THE FINAL QUANTITIES WILL BE IN ACCORDANCE WITH ITEM 607.

ITEM 201 – CLEARING AND GRUBBING (G108B)

THE FOLLOWING IS AN APPROXIMATE ESTIMATE OF THE NUMBER OF TREES AND STUMPS TO BE REMOVED. THE TREES LISTED BELOW ARE TO BE REMOVED UNDER A SEPARATE TREE PRUNING CONTRACT BY APRIL 1, 2025.

RIC-42-0.41:

SIZES	NO. TREES	NO. STUMPS	TOTAL
6"	2	0	2
8"	1	0	1
10"	2	0	2
12"	2	0	2
14"	1	0	1
16"	1	0	1
18"	1	0	1
24"	1	0	1

RIC-545-2.36:

SIZES	NO. TREES	NO. STUMPS	TOTAL
10"	2	0	2
12"	2	0	2
30"	1	0	1

A LUMP SUM QUANTITY IS INCLUDED IN THE GENERAL SUMMARY FOR ITEM 201 – CLEARING AND GRUBBING FOR AREAS NOT INCLUDED IN THE ABOVE LIST. ALL PROVISIONS AS SET FORTH IN THE SPECIFICATIONS UNDER THIS ITEM ARE INCLUDED IN THE LUMP SUM BID PRICE FOR ITEM 201 – CLEARING AND GRUBBING.

ITEM 202 – REMOVAL MISC.: FENCE POST

THIS ITEM SHALL BE USED TO REMOVE FENCE POSTS ALONG THE WEST SIDE OF THE ROADWAY AT THE RIC-42-0.41 LOCATION.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID PER EACH FOR ITEM 202 – REMOVAL MISC.: FENCE POST AND SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS NECESSARY TO COMPLETE THE ABOVE WORK.

DRAINAGE

EXISTING CULVERT VERIFICATION

DETAILS AND DIMENSIONS SHOWN ON THESE PROPOSED PLANS PERTAINING TO THE EXISTING CULVERT HAVE BEEN OBTAINED FROM PLANS OF THE EXISTING CULVERT AND FROM FIELD OBSERVATIONS AND MEASUREMENTS. CONSEQUENTLY, SUCH DETAILS AND DIMENSIONS ARE INDICATIVE OF THE EXISTING CULVERT AND THE PROPOSED WORK, BUT THEY SHALL BE CONSIDERED TENTATIVE AND APPROXIMATE. THE CONTRACTOR IS REFERRED TO C&MS SECTIONS 102.05 AND 105.02. BASE THE CONTRACT BID PRICES UPON A RECOGNITION OF THE UNCERTAINTIES DESCRIBED ABOVE AND UPON A PREBID EXAMINATION OF THE EXISTING CULVERT. HOWEVER, THE DEPARTMENT WILL PAY FOR ALL PROJECT WORK BASED UPON ACTUAL DETAILS AND DIMENSIONS THAT HAVE BEEN VERIFIED IN THE FIELD.

ITEM 202 – STRUCTURE REMOVED, AS PER PLAN (RIC-42-0.41)

WHEN NO LONGER NEEDED TO MAINTAIN TRAFFIC, THE EXISTING STRUCTURE SHALL BE REMOVED UPON RECEIVING PERMISSION FROM THE ENGINEER, INCLUDING BUT NOT LIMITED TO, EXISTING HEADWALLS AND CONDUIT.

ITEM 611 – RESIDENTIAL AND COMMERCIAL DRAINAGE CONNECTIONS

EXISTING ROOF DRAINS, FOOTER DRAINS, OR YARD DRAINS, DISTURBED BY THE WORK, SHALL BE PROVIDED WITH UNOBSTRUCTED OUTLETS BY CONNECTING A CONDUIT THROUGH THE CURB OR INTO A DRAINAGE STRUCTURE. THE LOCATION, TYPE, SIZE AND GRADE OF THE NEW CONDUIT REQUIRED TO REPLACE OR EXTEND THE EXISTING DRAIN WILL BE DETERMINED BY THE ENGINEER.

THE FOLLOWING CONDUIT TYPES MAY BE USED: 707.33, 707.41 NON-PERFORATED, 707.42, 707.43, 707.45, 707.46, 707.47, 707.51, 707.52 SDR35.

PAYMENT FOR ALL LABOR AND MATERIALS WILL BE PERFORMED BY CHANGE ORDER.

CROSSINGS AND CONNECTIONS TO EXISTING PIPES AND UTILITIES (D104)

WHERE PLANS PROVIDE FOR A PROPOSED CONDUIT TO BE CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY, THE CONTRACTOR SHALL 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, THE ENGINEER SHALL BE NOTIFIED 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, THE ENGINEER SHALL BE NOTIFIED 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 SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEM.

ITEM 611 – FARM DRAINS (D107)

ALL FARM DRAINS, WHICH ARE ENCOUNTERED DURING CONSTRUCTION, SHALL BE PROVIDED WITH UNOBSTRUCTED OUTLETS. EXISTING COLLECTORS WHICH ARE LOCATED BELOW THE ROADWAY DITCH ELEVATIONS, AND WHICH CROSS THE ROADWAY, SHALL BE REPLACED WITHIN THE (RIGHT OF WAY) (CONSTRUCTION) LIMITS BY ITEM 611 CONDUIT, TYPE B, ONE COMMERCIAL SIZE LARGER THAN THE EXISTING CONDUIT.

EXISTING COLLECTORS AND ISOLATED FARM DRAINS, WHICH ARE ENCOUNTERED ABOVE THE ELEVATION OF ROADWAY DITCHES, SHALL BE OUTLET INTO THE ROADWAY DITCH BY 611 TYPE F CONDUIT. THE OPTIMUM OUTLET ELEVATION SHALL BE ONE FOOT ABOVE THE FLOWLINE ELEVATION OF THE DITCH. LATERAL FIELD TILES WHICH CROSS THE ROADWAY SHALL BE INTERCEPTED BY 611, TYPE E CONDUIT, AND CARRIED IN A LONGITUDINAL DIRECTION TO AN ADEQUATE OUTLET OR ROADWAY CROSSING.

THE LOCATION, TYPE, SIZE AND GRADE OF REPLACEMENTS SHALL BE DETERMINED BY THE ENGINEER AND PAYMENT SHALL BE MADE ON FINAL MEASUREMENTS.

EROSION CONTROL PADS AND ANIMAL GUARDS SHALL BE PROVIDED AT THE OUTLET END OF ALL FARM DRAINS AS PER STANDARD CONSTRUCTION DRAWING DM-1.1, EXCEPT WHEN THEY OUTLET INTO A DRAINAGE STRUCTURE. PAYMENT FOR THE EROSION CONTROL PADS AND ANIMAL GUARDS AND ANY NECESSARY BENDS OR BRANCHES SHALL BE INCLUDED FOR PAYMENT IN THE PERTINENT CONDUIT ITEMS.

PAYMENT FOR ALL LABOR AND MATERIALS WILL BE PERFORMED BY CHANGE ORDER.

REVIEW OF DRAINAGE FACILITIES (D114)

BEFORE ANY WORK IS STARTED ON THE PROJECT AND AGAIN BEFORE FINAL ACCEPTANCE BY THE STATE, REPRESENTATIVES OF THE STATE AND THE CONTRACTOR, ALONG WITH LOCAL REPRESENTATIVES, SHALL MAKE AN INSPECTION OF ALL EXISTING SEWERS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCE SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION SHALL BE KEPT IN WRITING BY THE STATE.

ALL NEW CONDUITS, INLETS, CATCH BASINS, AND MANHOLES CONSTRUCTED AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE STATE.

ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.

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

ITEM 605 – AGGREGATE DRAINS

AGGREGATE DRAINS SHALL BE PLACED AT THE FOLLOWING LOCATIONS:

RIC-42-0.41:
STA. 21+25.00 (LEFT AND RIGHT)
STA. 21+75.00 (LEFT AND RIGHT)

RIC-545-2.36:
STA. 124+10.00 (LEFT AND RIGHT)
STA. 124+40.00 (LEFT AND RIGHT)

PAVEMENT

ITEM 442 - ASPHALT CONCRETE SURFACE COURSE, 9.5 MM, TYPE A (449), AS PER PLAN

ALL OPEN TRANSVERSE JOINTS SHALL BE TAPERED TO MEET EXISTING PAVEMENT BEFORE INTRODUCING TRAFFIC. A "BUMP" SIGN (W8-1-36) SHALL BE ERECTED ON EACH SIDE OF TRANSVERSE JOINTS LEFT OPEN OVER NIGHT, INCLUDING A SPEED ADVISORY SIGN. THESE SIGNS SHALL BE REMOVED IMMEDIATELY AFTER JOINT HAS BEEN CLOSED. PLACEMENT OF SIGNS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 614 MAINTAINING TRAFFIC.

CARE SHALL BE TAKEN TO MATCH EXISTING PAVEMENT ELEVATIONS AT EXISTING PAVED BERMS, DRIVES, INTERSECTIONS, ETC.

REQUIREMENTS OF 442 APPLY EXCEPT AS FOLLOWS:
MIX DESIGN: FOR Ndes USE 50 GYRATIONS, FOR Nmax USE 75 GYRATIONS.
CHOOSE OPTIMUM BINDER CONTENT AT DESIGN AIR VOIDS OF 3.5%.
MINIMUM TOTAL PG BINDER CONTENT IS 6.3 PERCENT.
MINIMUM VIRGIN PG BINDER CONTENT IS 5.2 PERCENT.
USE A PG 64-22 BINDER.
WHEN AN AGGREGATE SOURCE IS SPECIALLY DESIGNATED WITH AN SR ON THE AGGREGATE GRAVITY LIST DO NOT USE THE AGGREGATE EXCEPT AS ALLOWED FOR MEDIUM TRAFFIC IN THE GUIDELINES FOR MAINTAINING ADEQUATE PAVEMENT FRICTION IN SURFACE PAVEMENT.

EROSION CONTROL

ITEM 659 – SEEDING AND MULCHING (E101A)

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

RIC-42-0.41 (01/STR/04):

659	COMMERCIAL FERTILIZER	0.12	TON
659	LIME	0.19	ACRE
659	WATER	5.02	M GAL
659	REPAIR SEEDING AND MULCHING	45	SQ YD
659	INTERSEEDING	45	SQ YD
659	TOPSOIL	101	CU YD
659	SOIL ANALYSIS TEST	2	EACH
659	SEEDING AND MULCHING	908	SQ YD

RIC-545-2.36 (02/S<2/04):

659	COMMERCIAL FERTILIZER	0.05	TON
659	LIME	0.07	ACRE
659	WATER	2.00	M GAL
659	REPAIR SEEDING AND MULCHING	18	SQ YD
659	INTERSEEDING	18	SQ YD
659	TOPSOIL	40	CU YD
659	SOIL ANALYSIS TEST	2	EACH
659	SEEDING AND MULCHING	361	SQ YD

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS. QUANTITIES ARE CARRIED TO THE GENERAL SUMMARY.

ITEM 614 – MAINTAINING TRAFFIC (GENERAL) (TEM 642-2)

A MINIMUM OF ONE 10' LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES ON US ROUTE 42 AND STATE ROUTE 545, EXCEPT FOR A PERIOD NOT TO EXCEED 30 CONSECUTIVE CALENDAR DAYS AT EACH LOCATION, WHEN THROUGH TRAFFIC MAY BE DETOURED AS SHOWN ON THE DETOUR PLAN SHEETS. A DISINCENTIVE SHALL BE ASSESSED IN THE AMOUNT OF $10,000 PER DAY ON US ROUTE 42 AND STATE ROUTE 545 FOR EACH CALENDAR DAY THE ROADWAY REMAINS CLOSED TO TRAFFIC BEYOND THE SPECIFIED LIMIT.

SUBMIT, IN WRITING, A SCHEDULE OF OPERATIONS TO THE ENGINEER AND RECEIVE APPROVAL BEFORE WORK IS STARTED ON THE PROJECT. PRIOR TO BEGINNING WORK, COORDINATE THE MAINTENANCE OF TRAFFIC OPERATIONS WITH THE LOCAL STATE HIGHWAY PATROL.

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 CURRENT EDITION WITH THE LATEST REVISIONS. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

ITEM 614 – MAINTAINING TRAFFIC (PREFABRICATED COMPONENTS)

DO NOT CLOSE THE ROADWAY TO TRAFFIC FOR THE REMOVAL OR MODIFICATION OF THE EXISTING STRUCTURE OR CONDUIT UNTIL ALL NEW PREFABRICATED MATERIALS, i.e. PRECAST CONDUIT, PRECAST HEADWALLS, ETC. NECESSARY TO PLACE THE ROADWAY BACK IN SERVICE HAVE BEEN TESTED, APPROVED, AND ARE READY FOR DELIVERY TO THE SITE.

ITEM 614 – MAINTAINING TRAFFIC (LANES OPEN DURING HOLIDAYS OR SPECIAL EVENTS) (TEM 642-6)

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

CHRISTMAS
NEW YEARS DAY
MEMORIAL DAY
FOURTH OF JULY
LABOR DAY
THANKSGIVING
GENERAL ELECTION DAY (NOVEMBER)

RIC-42-0.41
LEXINGTON BLUEBERRY FESTIVAL (AUGUST 14-17, 2024)

RIC-545-2.36
INKCARCERATION FESTIVAL (JULY 18-20, 2025)

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

DAY OF HOLIDAY OR 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
TUESDAY	12:00N MONDAY THROUGH 6:00 AM WEDNESDAY
WEDNESDAY	12:00N TUESDAY THROUGH 6:00 AM THURSDAY
THURSDAY	12:00N WEDNESDAY THROUGH 6:00 AM FRIDAY
THANKSGIVING	6:00 AM WEDNESDAY THROUGH 6:00 AM MONDAY
FRIDAY	12:00N THURSDAY THROUGH 6:00 AM MONDAY
SATURDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE PER THE BELOW LANE VALUE CONTRACT TABLE:

DESCRIPTION	RESTRICTED TIME PERIOD	TIME UNIT	DISINCENTIVE PER TIME UNIT
ALL LANES ON U.S. 42	12:00AM-12:00AM	EACH MINUTE	$50
ALL LANES ON S.R. 545	12:00AM-12:00AM	EACH MINUTE	$50

ITEM 614 – MAINTAINING TRAFFIC (LANE CLOSURE/REDUCTION REQUIRED) (TEM 642-7)

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

ITEM 614 – MAINTAINING TRAFFIC (NOTICE OF CLOSURE SIGN) (TEM 642-8)

NOTICE OF CLOSURE SIGNS (W20-H14) SHALL BE ERECTED BY THE CONTRACTOR PRIOR TO THE SCHEDULED ROAD OR RAMP CLOSURE IN ACCORDANCE WITH THE NOTICE OF CLOSURE TIME TABLE BELOW. [AT THE APPROVAL OF THE ENGINEER, PORTABLE CHANGEABLE MESSAGE SIGNS MAY BE USED IN LIEU OF THE STANDARD FLAT SHEET SIGN FOR CLOSURE DURATIONS OF LESS THAN 1 WEEK.] THE SIGNS SHALL BE ERECTED ON THE RIGHT-HAND SIDE OF THE ROAD/RAMP 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 AND ROAD CLOSURES	≥ 2 WEEKS	14 CALENDAR DAYS*
	> 12 HOURS & < 2 WEEKS	7 CALENDAR DAYS*
	< 12 HOURS	2 BUSINESS DAYS*

* 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-H14 SIGN LISTS THE NAME OF THE DEPARTMENT, i.e. "THE OHIO DEPT. OF TRANS."

MAINTENANCE OF LOCAL DETOUR ROUTE (TEM 642-25)

A LOCAL DETOUR ROUTE, OTHER THAN THE OFFICIAL SIGNED ODOT DETOUR ROUTE, AS NOTED IN THESE PLANS, WILL BE SELECTED BY AGREEMENT BETWEEN ODOT AND LOCAL GOVERNMENTAL AGENCIES PRIOR TO THE HIGHWAY CLOSURE. 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 DIRECTED BY THE ENGINEER. THE DESIGNATED LOCAL DETOUR ROUTE IS TO BE REVIEWED AND REPAIRED PRIOR TO THE ASPHALT CONTRACTOR OR SUBCONTRACTOR LEAVING THE PROJECT.

PAYMENT FOR THE WORK NECESSARY TO REPAIR THESE LOCAL ROADS WILL BE PERFORMED BY CHANGE ORDER.

ITEM 614 – PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN (TEM 642-41)

THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN AND REMOVE, WHEN NO LONGER NEEDED, A CHANGEABLE MESSAGE SIGN. THE SIGN SHALL BE OF A TYPE SHOWN ON A LIST OF APPROVED PCMS UNITS AVAILABLE ON THE OFFICE OF MATERIALS MANAGEMENT WEB PAGE. THE LIST CONTAINS CLASS A AND B UNITS WITH MINIMUM LEGIBILITY DISTANCES OF 800 FEET AND 650 FEET, RESPECTIVELY.

EACH SIGN SHALL BE TRAILER-MOUNTED AND EQUIPPED WITH A FUNCTIONAL DIMMING MECHANISM, TO DIM THE SIGN DURING DARKNESS, AND A TAMPER AND VANDAL PROOF ENCLOSURE. EACH SIGN SHALL BE PROVIDED WITH APPROPRIATE TRAINING AND OPERATION INSTRUCTIONS TO ENABLE ON-SITE PERSONNEL TO OPERATE AND TROUBLESHOOT THE UNIT. THE SIGN SHALL ALSO BE CAPABLE OF BEING POWERED BY AN ELECTRICAL SERVICE DROP FROM A LOCAL UTILITY COMPANY. THE PCMS SHALL BE DELINEATED IN ACCORDANCE WITH C&MS 614.03.

THE PROBABLE PCMS LOCATIONS AND WORK LIMITS FOR THOSE LOCATIONS SHALL BE DETERMINED BY THE ENGINEER. PLACEMENT, OPERATION, MAINTENANCE AND ALL ACTIVATION OF THE SIGNS BY THE CONTRACTOR SHALL BE AS DIRECTED BY THE ENGINEER. THE PCMS SHALL BE LOCATED IN A HIGHLY VISIBLE POSITION YET PROTECTED FROM TRAFFIC. THE CONTRACTOR SHALL, AT THE DIRECTION OF THE ENGINEER, RELOCATE THE PCMS TO IMPROVE VISIBILITY OR ACCOMMODATE CHANGED CONDITIONS. WHEN NOT IN USE, THE PCMS SHALL BE TURNED OFF. ADDITIONALLY, WHEN NOT IN USE FOR EXTENDED PERIODS OF TIME, THE PCMS SHALL BE TURNED AWAY FROM ALL TRAF

THE ENGINEER SHALL BE PROVIDED ACCESS TO EACH SIGN UNIT AND SHALL BE PROVIDED WITH APPROPRIATE TRAINING AND OPERATION INSTRUCTIONS TO ENABLE ODOT PERSONNEL TO OPERATE AND TROUBLESHOOT THE UNIT, AND TO REVISE SIGN MESSAGES, IF NECESSARY.

ALL MESSAGES TO BE DISPLAYED ON THE SIGN WILL BE PROVIDED BY THE ENGINEER. A LIST OF ALL REQUIRED PRE-PROGRAMMED MESSAGES WILL BE GIVEN TO THE CONTRACTOR AT THE PROJECT PRECONSTRUCTION CONFERENCE. THE SIGN SHALL HAVE THE CAPABILITY TO STORE UP TO 99 MESSAGES. MESSAGE MEMORY OR PRE-PROGRAMMED DISPLAYS SHALL NOT BE LOST AS A RESULT OF POWER FAILURES TO THE ON-BOARD COMPUTER. THE SIGN LEGEND SHALL BE CAPABLE OF BEING CHANGED IN THE FIELD. THREE-LINE PRESENTATION FORMATS WITH UP TO SIX MESSAGE PHASES SHALL BE SUPPORTED. PCMS FORMAT SHALL PERMIT THE COMPLETE MESSAGE FOR EACH PHASE TO BE READ AT LEAST TWICE.

THE PCMS SHALL CONTAIN AN ACCURATE CLOCK AND PROGRAMMING LOGIC WHICH WILL ALLOW THE SIGN TO BE ACTIVATED, DEACTIVATED OR MESSAGES CHANGED AUTOMATICALLY AT DIFFERENT TIMES OF THE DAY FOR DIFFERENT DAYS OF THE WEEK.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR 24-HOUR-PER-DAY OPERATION AND MAINTENANCE OF THESE SIGNS ON THE PROJECT FOR THE DURATION OF THE PHASES WHEN THE PLAN REQUIRES THEIR USE.

PAYMENT FOR THE ABOVE DESCRIBED ITEM SHALL BE AT THE CONTRACT UNIT PRICE. PAYMENT SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, FUELS, LUBRICATING OILS, SOFTWARE, HARDWARE AND INCIDENTALS TO PERFORM THE ABOVE DESCRIBED WORK.

ITEM 614 – PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN 2 SIGN MONTH (01/STR/04); 2 SIGN MONTH (02/S<2/04)
ASSUMING 2 PCMS SIGNS FOR 2 MONTHS AT EACH LOCATION

NOTIFICATION OF TRAFFIC RESTRICTIONS (TEM 642-58)

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. THIS NOTIFICATION SHALL BE RECEIVED BY THE PROJECT ENGINEER PRIOR TO THE PHYSICAL SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS. UPON RECEIPT OF NOTIFICATION BY THE CONTRACTOR, THE PROJECT ENGINEER OR ODOT DISTRICT THREE PUBLIC INFORMATION OFFICE WILL ARRANGE NOTIFICATION OF THE FOLLOWING ORGANIZATIONS, IN WRITING, IN ACCORDANCE WITH THE BELOW TABLE:

RICHLAND COUNTY ENGINEER'S OFFICE
CITY OF MANSFIELD
VILLAGE OF LEXINGTON
TOWNSHIP TRUSTEES (TOWNSHIP ROADS ONLY)
LOCAL POLICE, FIRE, AND EMERGENCY MEDICAL SERVICES
LOCAL SCHOOL DISTRICTS
RICHLAND COUNTY SHERIFF'S OFFICE
ODOT DISTRICT THREE OFFICE OF ROADWAY SERVICES
ODOT DISTRICT THREE PUBLIC INFORMATION OFFICE
SPECIAL HAULING PERMITS SECTION (HAULING.PERMITS@DOT.OHIO.GOV)

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

NOTIFICATION TIME TABLE		
ITEM	DURATION OF CLOSURE	NOTICE DUE TO PERMITS AND PIO*
RAMP AND/OR ROAD CLOSURES	2 WEEKS OR GREATER	21 CALENDAR DAYS
	12 HOURS TO 2 WEEKS	14 CALENDAR DAYS
	12 HOURS OR LESS	4 BUSINESS DAYS
LANE CLOSURES AND RESTRICTIONS	2 WEEKS OR GREATER	14 CALENDAR DAYS
	LESS THAN 2 WEEKS	5 BUSINESS DAYS
START OF CONSTRUCTION AND TRAFFIC PATTERN CHANGES	N/A	14 CALENDAR DAYS

* - PRIOR TO CLOSURE DATE, UNLESS NOTED OTHERWISE

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

ITEM 614 – DETOUR SIGNING

THE FOLLOWING QUANTITY IS INCLUDED FOR THE CONTRACTOR TO PROVIDE THE DETOUR SIGNING AS SHOWN AS PER C&MS 614.06 (B):

ITEM 614 – DETOUR SIGNING LUMP (01/STR/04); LUMP (02/S<2/04)

PORTABLE CHANGEABLE MESSAGE SIGN NOTES

RIC-42
LOCATIONS OF THE PORTABLE CHANGEABLE MESSAGE SIGNS AND MESSAGES SHALL BE DETERMINED BY THE ENGINEER.

RIC-545
A PORTABLE CHANGEABLE MESSAGE SIGN SHALL BE INSTALLED AT THE STATE ROUTE 96 AND STATE ROUTE 545 INTERSECTION AS SHOWN ON THE DETOUR PLAN SHEET. THE SIGN SHALL DISPLAY THE MESSAGES "SR 545 CLOSED" AND "NO ACCESS TO MANSFIELD".

THE LOCATION AND MESSAGES FOR THE PORTABLE CHANGEABLE MESSAGE SIGN IN ADVANCE OF THE STATE ROUTE 545/LONGVIEW AVENUE SHALL BE DETERMINED BY THE ENGINEER.

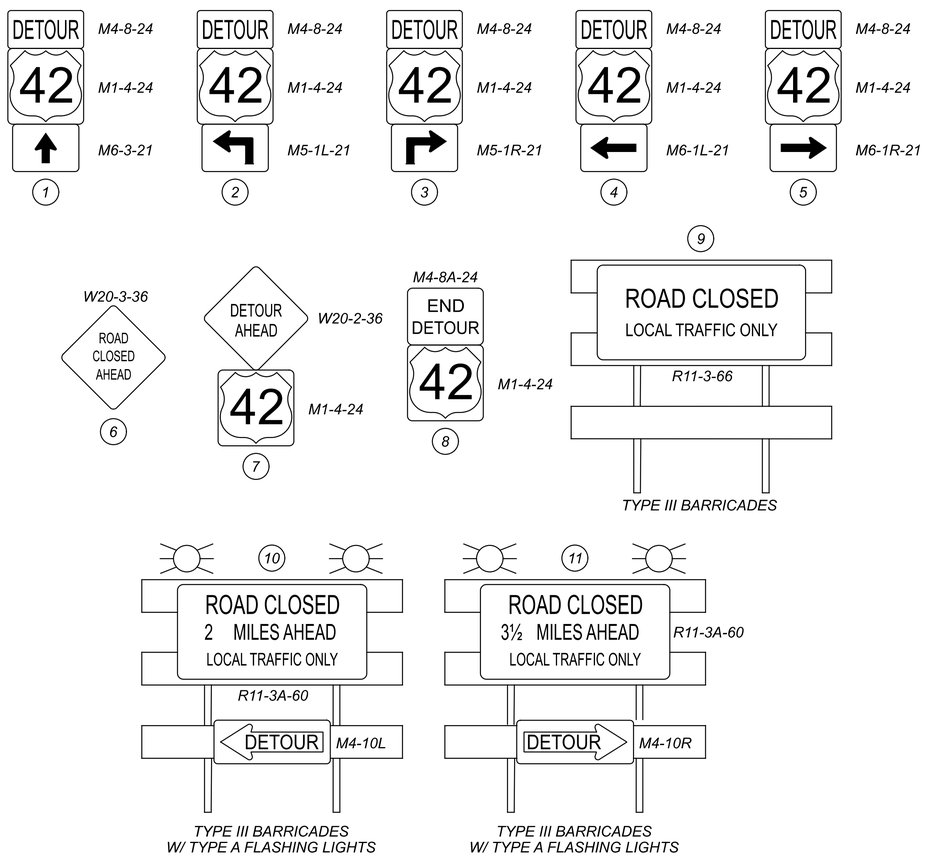
MAINTENANCE OF TRAFFIC NOTES

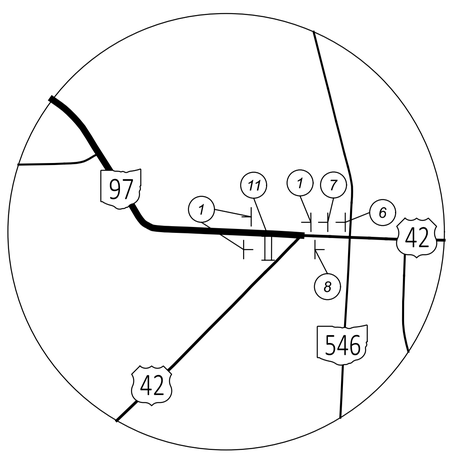
DESIGN AGENCY
DISTRICT 3
ENGINEERING TEAM THREE
DESIGNER
ACM
REVIEWER
JJA 01-02-25
PROJECT ID
113284
SHEET P.9 TOTAL 31

RIC-42/545-0.41/2.36

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 1/27/2025 TIME: 10:10:18 AM USER: amellen
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 03\Richland\113284\400-Engineering\MOT\Sheets\113284_MN001.dgn

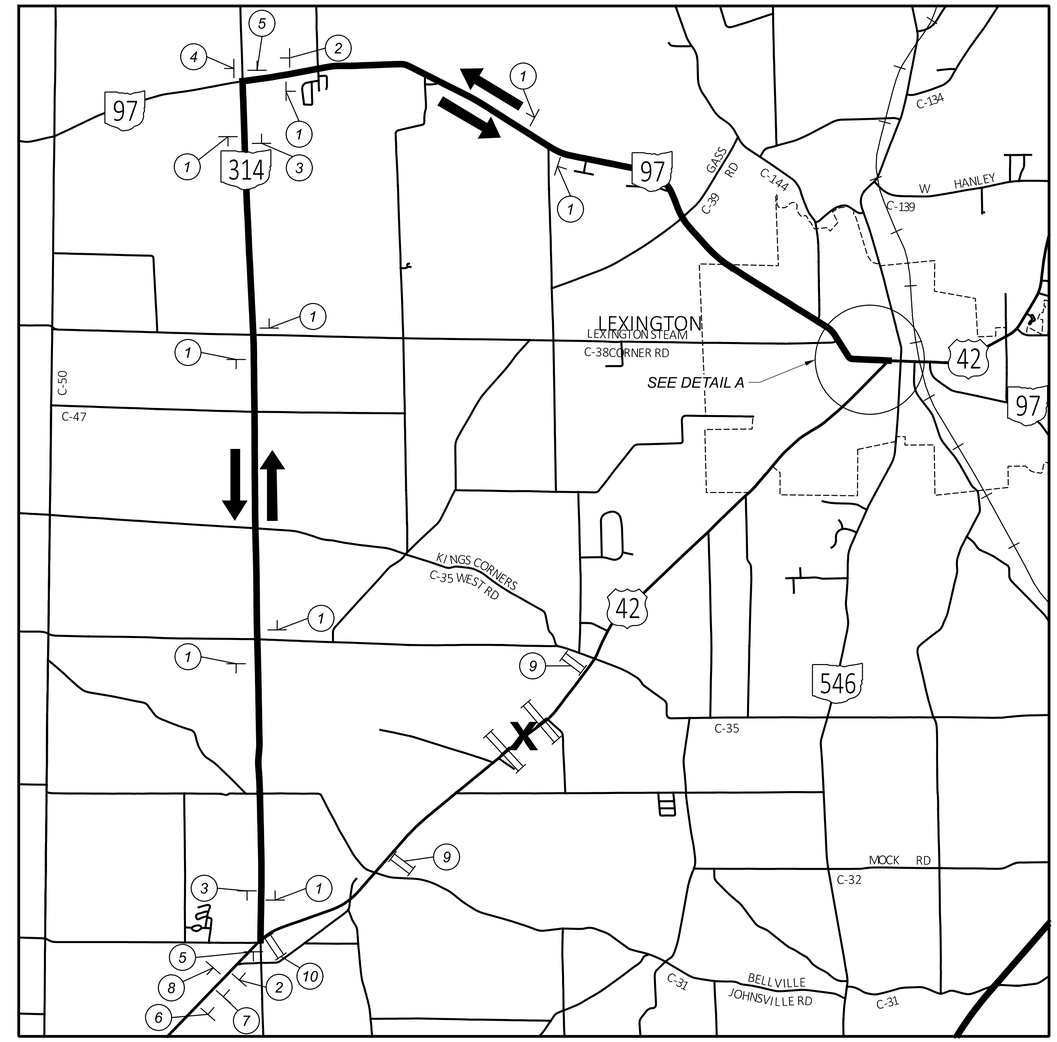
SIGN LEGEND





DETAIL A

RIC-42-0.41 DETOUR MAP



0 ½ 1 1½ 2

SCALE IN MILES

N

X - PROJECT LOCATION

- OFFICIAL SIGNED DETOUR

- GATES AND BARRICADES, AS PER MT-101.60

- SIGN LOCATION

- BARRICADE LOCATION

DETOUR PLAN
RIC-42-0.41

DESIGN AGENCY
DISTRICT 3
ENGINEERING TEAM THREE

DESIGNER
ACM

REVIEWER
JJA 01-02-25

PROJECT ID
113284

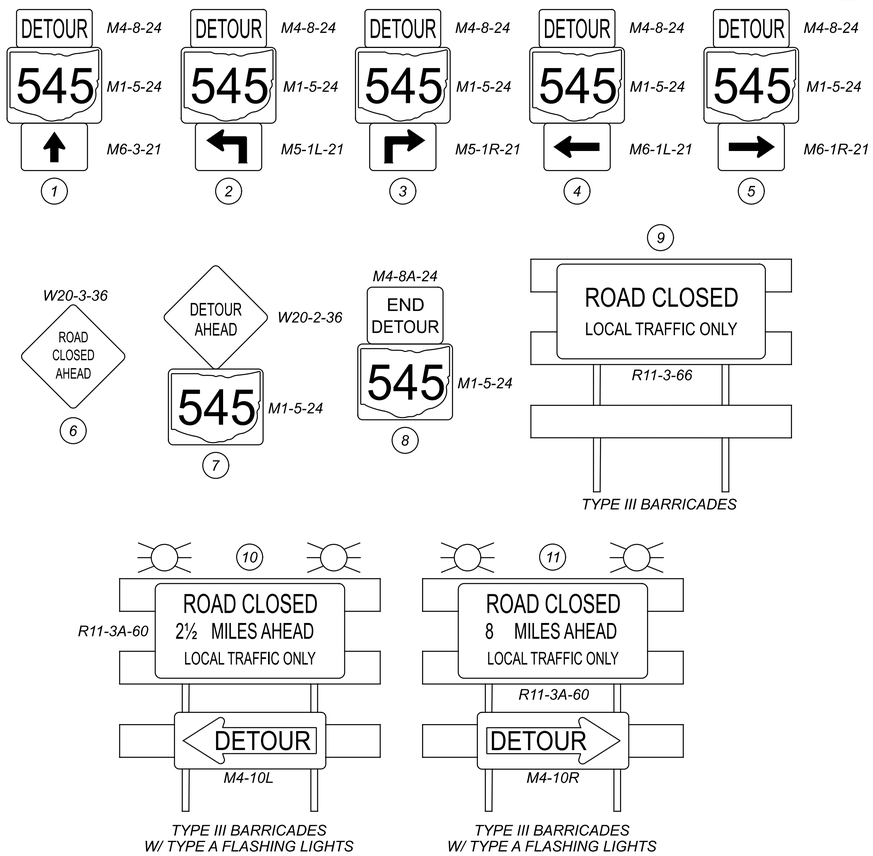
SHEET P.10 TOTAL 31

RIC-42/545-0.41/2.36

MODEL: RIC-42-0.41DETOUR PLAN PAPERSIZE: 34x22 (in.) DATE: 1/24/2025 TIME: 11:25:45 AM USER: amelien
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 03\Richland\113284\400-Engineering\MOT\Sheets\113284_MD001.dgn

RIC-545-2.36 DETOUR MAP

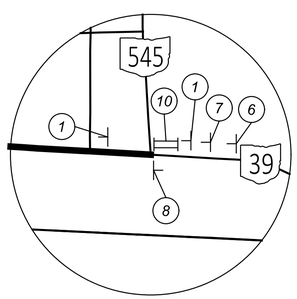
SIGN LEGEND



0 ½ 1 1½ 2

SCALE IN MILES

- X - PROJECT LOCATION
- OFFICIAL SIGNED DETOUR
- GATES AND BARRICADES, AS PER MT-101.60
- SIGN LOCATION
- BARRICADE LOCATION
- PORTABLE CHANGEABLE MESSAGE SIGN LOCATION



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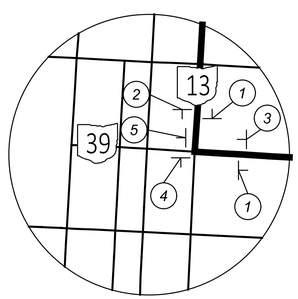
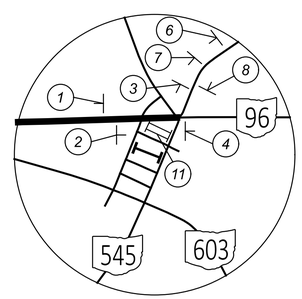
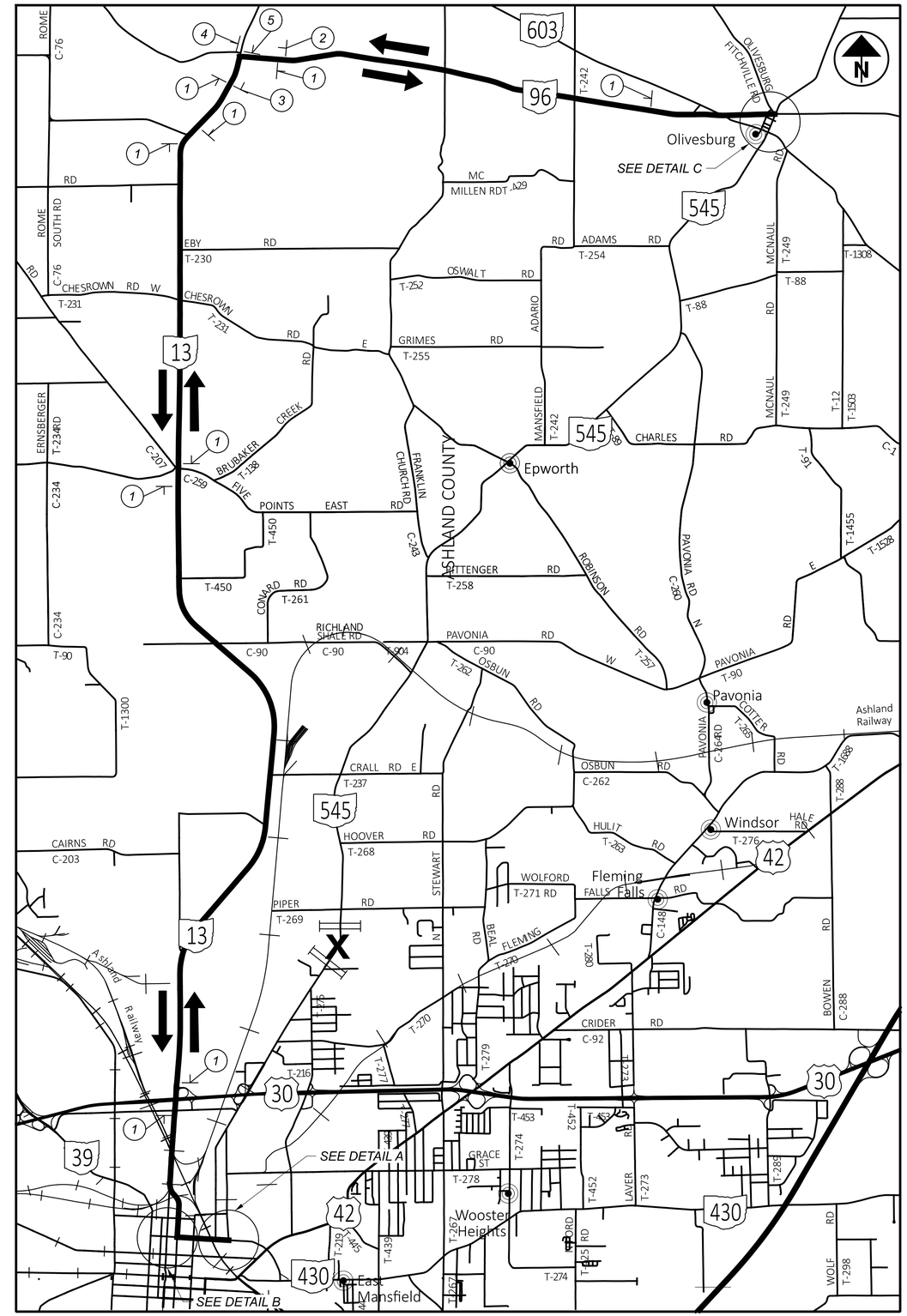


DETAIL B



DETAIL C



DETOUR PLAN
RIC-545-2.36

DESIGN AGENCY
DISTRICT 3
ENGINEERING TEAM THREE

DESIGNER
ACM

REVIEWER
JJA 01-02-25

PROJECT ID
113284

SHEET P.11 TOTAL 31

RIC-42/545-0.41/2.36

MODEL: RIC-545-2.36 DETOUR MAP PAPERSIZE: 34x22 (in.) DATE: 1/24/2025 TIME: 11:25:46 AM USER: amellen
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ITEM SPECIAL – MAILBOX SUPPORT (R118)

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

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

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

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

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

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

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

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

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

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

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

ITEM SPECIAL – MAILBOX SUPPORT SYSTEM (SINGLE) 3 EACH (02/S<2/04)

MAILBOX APPROACHES

THE MAILBOX APPROACHES SHALL BE PAVED WITH 3.0" ITEM 442 SURFACE COURSE. THEY SHALL CONFORM AS MUCH AS PRACTICAL TO STANDARD DRAWING BP-4.1 OR AS DIRECTED BY THE ENGINEER.

GRADING SHALL BE PERFORMED IN THESE AREAS TO OBTAIN A BASE WHICH WILL ALLOW THE FINISHED GRADE TO BE FLUSH WITH THE ADJACENT PAVEMENT. A QUANTITY OF ITEM 617 COMPACTED AGGREGATE HAS BEEN PROVIDED FOR AREAS WHERE THE SHOULDER IS LOW PRIOR TO GRADING AND/OR LOW AREAS CAUSED BY THE REMOVAL OF UNSUITABLE MATERIAL. QUANTITIES TO PERFORM THIS WORK HAVE BEEN INCLUDED IN THE GENERAL SUMMARY AND ARE ESTIMATED AS FOLLOWS:

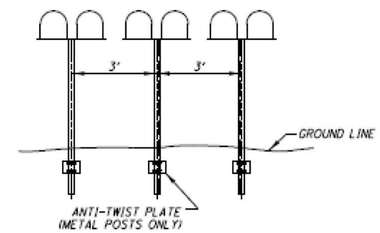
02/S<2/04:
ITEM 209 – GRADING MAILBOX APPROACHES 3 EACH

02/S<2/04:
ITEM 617 – COMPACTED AGGREGATE 3 CU YD

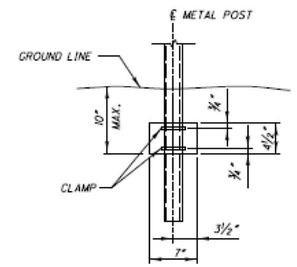
LOCATIONS OF MAILBOX SUPPORT SYSTEM TO BE REPLACED

ADDRESSES AND/OR LOCATIONS OF MAILBOX SUPPORT SYSTEM TO BE REPLACED:

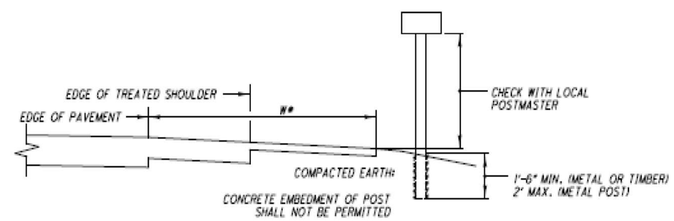
ADDRESS	SLM	SUPPORT TYPE
1282 S.R. 545	2.36	SINGLE
1282 S.R. 545	2.36	SINGLE
1283 S.R. 545	2.36	SINGLE



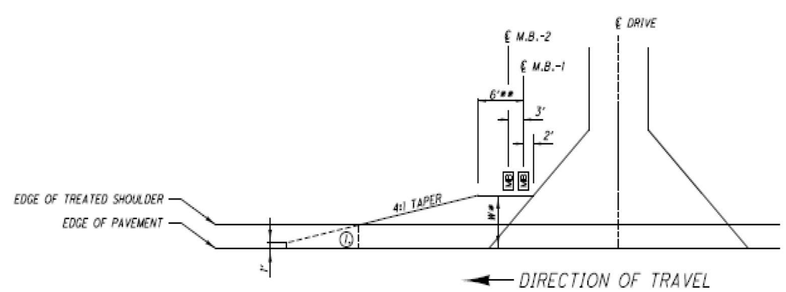
GROUP MAILBOX INSTALLATION



ANTI-TWIST PLATE



CROSS SECTION / ELEVATION VIEW



1 END MAILBOX TURNOUT AT EDGE OF ASPHALT CONCRETE SHOULDER OR 1' FROM EDGE OF PAVEMENT IF TREATED SHOULDER IS AGGREGATE.

W* NOTES:

1.) WHERE EXISTING STANDARD MAILBOX POSTS ARE BEHIND GUARDRAIL AND ARE TO REMAIN IN PLACE, TURNOUT WIDTH SHALL EXTEND TO FACE OF GUARDRAIL.
2.) WHERE NO UARDRAIL IS REQUIRED, TURNOUT WIDTH SHALL BE 6FT MAXIMUM OR TO FACE OF EXISTING STANDARD MAILBOX IF IT IS LESS THAN 6 FT.
3.) IF THE MAILBOX SUPPORT IS SPECIFIED TO BE REMOVED AND REERECTED OR REPLACED, WHERE GUARDRAIL IS REQUIRED, TURNOUT WIDTH SHALL EXTEND TO FACE OF GUARDRAIL AND MAILBOX SHALL BE INSTALLED BEHIND THE GUARDRAIL.
4.) IF THE MAILBOX SUPPORT IS SPECIFIED TO BE REMOVED AND REERECTED OR REPLACED, WHERE NO GUARDRAIL IS REQUIRED, TURNOUT WIDTH SHALL BE 6 FT. MAXIMUM.

** NOTE:

1.) 6 FT FOR ONE MAILBOX SUPPORT, ADD 3 FT. FOR EACH ADDITIONAL MAILBOX SUPPORT.

MAILBOX FACILITIES
RIC-545-2.36

DESIGN AGENCY
DISTRICT 3
ENGINEERING TEAM THREE
DESIGNER
ACM
REVIEWER
JJA 01-02-25
PROJECT ID
113284
SHEET P.12 TOTAL 31

SHEET NUMBER									PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
8	9	12	15	22	30	RW.3 US42	RW.3 SR545		01/STR/04	02/S<2/04						
															ROADWAY	
				LS	LS				LS	LS	201	11000	LS		CLEARING AND GRUBBING	
				LS					LS		202	11001	LS		STRUCTURE REMOVED, AS PER PLAN	7
				2	1				2	1	202	20010	3	EACH	HEADWALL REMOVED	
			460						328	132	202	23000	460	SY	PAVEMENT REMOVED	
				61	47				61	47	202	35100	108	FT	PIPE REMOVED, 24" DIAMETER AND UNDER	
					37					37	202	35200	37	FT	PIPE REMOVED, OVER 24" DIAMETER	
					1					1	202	58100	1	EACH	CATCH BASIN REMOVED	
			159							159	202	75000	159	FT	FENCE REMOVED	
				4					4		202	98100	4	EACH	REMOVAL MISC.: FENCE POST	7
			67						60	7	203	10000	67	CY	EXCAVATION	
			522						390	132	203	20000	522	CY	EMBANKMENT	
			517						363	154	204	10000	517	SY	SUBGRADE COMPACTION	
		3								3	209	80000	3	EACH	GRADING MAILBOX APPROACHES	
						2	3		2	3	623	38500	5	EACH	MONUMENT ASSEMBLY, TYPE C	
									LS	LS	623	50000	LS		PRECONSTRUCTION SURVEY MONUMENT VERIFICATION AND REPORT	
									LS	LS	623	51000	LS		POST CONSTRUCTION SURVEY MONUMENT VERIFICATION AND REPORT	
		3								3	SPECIAL	69050100	3	EACH	MAILBOX SUPPORT SYSTEM, SINGLE	12
															EROSION CONTROL	
				8					8		601	11000	8	SY	RIPRAP, TYPE D	
				80					80		601	21050	80	SY	TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT	
				42	23				42	23	601	32100	65	CY	ROCK CHANNEL PROTECTION, TYPE B WITH FILTER	
4									2	2	659	00100	4	EACH	SOIL ANALYSIS TEST	
141									101	40	659	00300	141	CY	TOPSOIL	
1,269									908	361	659	10000	1,269	SY	SEEDING AND MULCHING	
63									45	18	659	14000	63	SY	REPAIR SEEDING AND MULCHING	
63									45	18	659	15000	63	SY	INTER-SEEDING	
0.17									0.12	0.05	659	20000	0.17	TON	COMMERCIAL FERTILIZER	
0.26									0.19	0.07	659	31000	0.26	ACRE	LIME	
7.02									5.02	2	659	35000	7.02	MGAL	WATER	
				157	14				157	14	670	00520	171	SY	SLOPE EROSION PROTECTION MAT, TYPE B	
									5,000	5,000	832	30000	10,000	EACH	EROSION CONTROL	
															DRAINAGE	
			248						144	104	605	31100	248	FT	AGGREGATE DRAINS	
					8					8	611	01100	8	FT	6" CONDUIT, TYPE C	
					24					24	611	04600	24	FT	12" CONDUIT, TYPE C	
				90	40				90	40	611	06100	130	FT	15" CONDUIT, TYPE C	
					8					8	611	10600	8	FT	24" CONDUIT, TYPE C	
				85					85		611	16200	85	FT	36" CONDUIT, TYPE A, 706.02, 707.33, 748.06 (0.500)	
					60					60	611	16400	60	FT	36" CONDUIT, TYPE B	
				1					1		611	98300	1	EACH	CATCH BASIN, NO. 5	
					1					1	611	98570	1	EACH	CATCH BASIN, NO. 2-5	
				1	1				1	1	611	99574	2	EACH	MANHOLE, NO. 3	
															PAVEMENT	
			189							189	254	01000	189	SY	PAVEMENT PLANING, ASPHALT CONCRETE (3.0")	
			329						329		254	01000	329	SY	PAVEMENT PLANING, ASPHALT CONCRETE (VARIES 0" TO 3.0")	
			101						68	33	301	56000	101	CY	ASPHALT CONCRETE BASE, PG64-22, (449)	
			129						88	41	304	20000	129	CY	AGGREGATE BASE	
			34						25	9	304	20000	34	CY	AGGREGATE BASE (DRIVEWAYS)	
			142						95	47	407	10000	142	GAL	TACK COAT	
			85						56	29	442	22001	85	CY	ASPHALT CONCRETE SURFACE COURSE, 9.5 MM, TYPE A (449), AS PER PLAN (PG64-22)	8
		3								3	617	10100	3	CY	COMPACTED AGGREGATE	
															TRAFFIC CONTROL	
			4						3	1	621	54000	4	EACH	RAISED PAVEMENT MARKER REMOVED	
			0.16						0.1	0.06	642	00104	0.16	MILE	EDGE LINE, 6", TYPE 1	
			0.08						0.05	0.03	642	00300	0.08	MILE	CENTER LINE, TYPE 1	

GENERAL SUMMARY

DESIGN AGENCY
DISTRICT 3
ENGINEERING TEAM THREE

DESIGNER
ACM

REVIEWER
KCK 01-02-25

PROJECT ID
113284

SHEET P.13 TOTAL 31

RIC-42/545-0.41/2.36

MODEL: GENSUM 1 PAPERSIZE: 34x22 (in.) DATE: 1/24/2025 TIME: 11:26:29 AM USER: amellen
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SHEET NUMBER									PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
8	9	12	15	22	30	RW.3 US42	RW.3 SR545		01/STR/04	02/S<2/04						
															STRUCTURE 20 FOOT SPAN AND UNDER (RIC-42-0.41)	
				LS					LS		503	11100	LS		COFFERDAMS AND EXCAVATION BRACING	
				1.77					1.77		602	20000	1.77	CY	CONCRETE MASONRY	
															STRUCTURE 20 FOOT SPAN AND UNDER (RIC-545-2.36)	
					LS					LS	503	11100	LS		COFFERDAMS AND EXCAVATION BRACING	
					0.94					0.94	602	20000	0.94	CY	CONCRETE MASONRY	
															MAINTENANCE OF TRAFFIC	
	LS								LS	LS	614	12420	LS		DETOUR SIGNING	
	4								2	2	614	18601	4	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	9
															INCIDENTALS	
									LS	LS	614	11000	LS		MAINTAINING TRAFFIC	
									LS	LS	623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
									LS	LS	624	10000	LS		MOBILIZATION	

GENERAL SUMMARY

RIC-42/545-0.41/2.36

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DESIGN AGENCY
DISTRICT 3
ENGINEERING TEAM THREE

DESIGNER
ACM

REVIEWER
KCK 01-02-25

PROJECT ID
113284

SHEET P.14 TOTAL 31

ROADWAY SUB-SUMMARY

LOCATION			LENGTH	SHEET NUMBER	202			203		204	254		301		304			407	442	605	621	642	642
STATION		SIDE			PAVEMENT REMOVED	FENCE REMOVED	REMOVAL MISC.: FENCE POST	EXCAVATION	EMBANKMENT	SUBGRADE COMPACTION	PAVEMENT PLANING, ASPHALT CONCRETE (3.0")	PAVEMENT PLANING, ASPHALT CONCRETE (VARIES 0" TO 3.0")	ASPHALT CONCRETE BASE, PG64-22, (449) (7.0")	ASPHALT CONCRETE BASE, PG64-22, (449) (8.0")	AGGREGATE BASE (6.0")	AGGREGATE BASE (8.0")	AGGREGATE BASE (DRIVEWAYS) (8.0")	TACK COAT	ASPHALT CONCRETE SURFACE COURSE, 9.5MM, TYPE A (449), AS PER PLAN (PG64-22) (3.0")	AGGREGATE DRAINS	RAISED PAVEMENT MARKER REMOVED	EDGE LINE, 6", TYPE 1	CENTER LINE, TYPE 1
BEGIN	END		FT		SY	FT	EACH	CY	CY	SY	SY	SY	CY	CY	CY	CY	CY	GAL	CY	FT	EACH	MILE	MILE
RIC-42-0.41 ROADWAY SUBSUMMARY																							
20+00.00	22+50.00	LT/RT	250.00	16			4	60	390												3		
20+00.00	20+25.00	LT/RT	25.00	16												3						0.01	0.005
20+25.00	21+00.00	LT/RT	75.00	16								247				8	25	33	21			0.03	0.014
21+00.00	22+00.00	LT/RT	100.00	16	328					363			68		61	10		51	28	144		0.04	0.019
22+00.00	22+25.00	LT/RT	25.00	16								82				3		11	7			0.01	0.005
22+25.00	22+50.00	LT/RT	25.00	16												3						0.01	0.005
SUBTOTAL RIC-42-0.41 (01/STR/04)					**328**		**4**	**60**	**390**	**363**		**329**	**68**		**61**	**27**	**25**	**95**	**56**	**144**	**3**	**0.10**	**0.05**
RIC-545-2.36 ROADWAY SUBSUMMARY																							
123+60.00	125+25.00	LT/RT	165.00	25		159		7	132												1		
123+65.00	124+00.00	LT/RT	35.00	25							104					4	6	14	9			0.01	0.007
124+00.00	124+50.00	LT/RT	50.00	25	132					154				33	26	5		22	12	104		0.02	0.009
124+50.00	124+80.00	LT/RT	30.00	25							85					3	3	11	8			0.01	0.006
124+80.00	124+85.00	LT/RT	5.00	25												1							0.001
124+85.00	125+25.00	LT	40.00	25												2						0.02	0.008
SUBTOTAL RIC-545-2.36 (02/S<2/04)					**132**	**159**		**7**	**132**	**154**	**189**			**33**	**26**	**15**	**9**	**47**	**29**	**104**	**1**	**0.06**	**0.03**
TOTALS CARRIED TO GENERAL SUMMARY					**460**	**159**	**4**	**67**	**522**	**517**	**189**	**329**	**68**	**33**	**87**	**42**	**34**	**142**	**85**	**248**	**4**	**0.16**	**0.08**

NOTES:

1.) STRIPE LANES AT 11'-0" WIDTH ON THE RIC-42-0.41 CULVERT.

2.) STRIPE LANES AT 10'-6" WIDTH ON THE RIC-545-2.36 CULVERT.

ROADWAY SUB-SUMMARY

RIC-42/545-0.41/2.36

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 1/24/2025 TIME: 11:26:38 AM USER: amellen
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DESIGN AGENCY
DISTRICT 3
ENGINEERING TEAM THREE

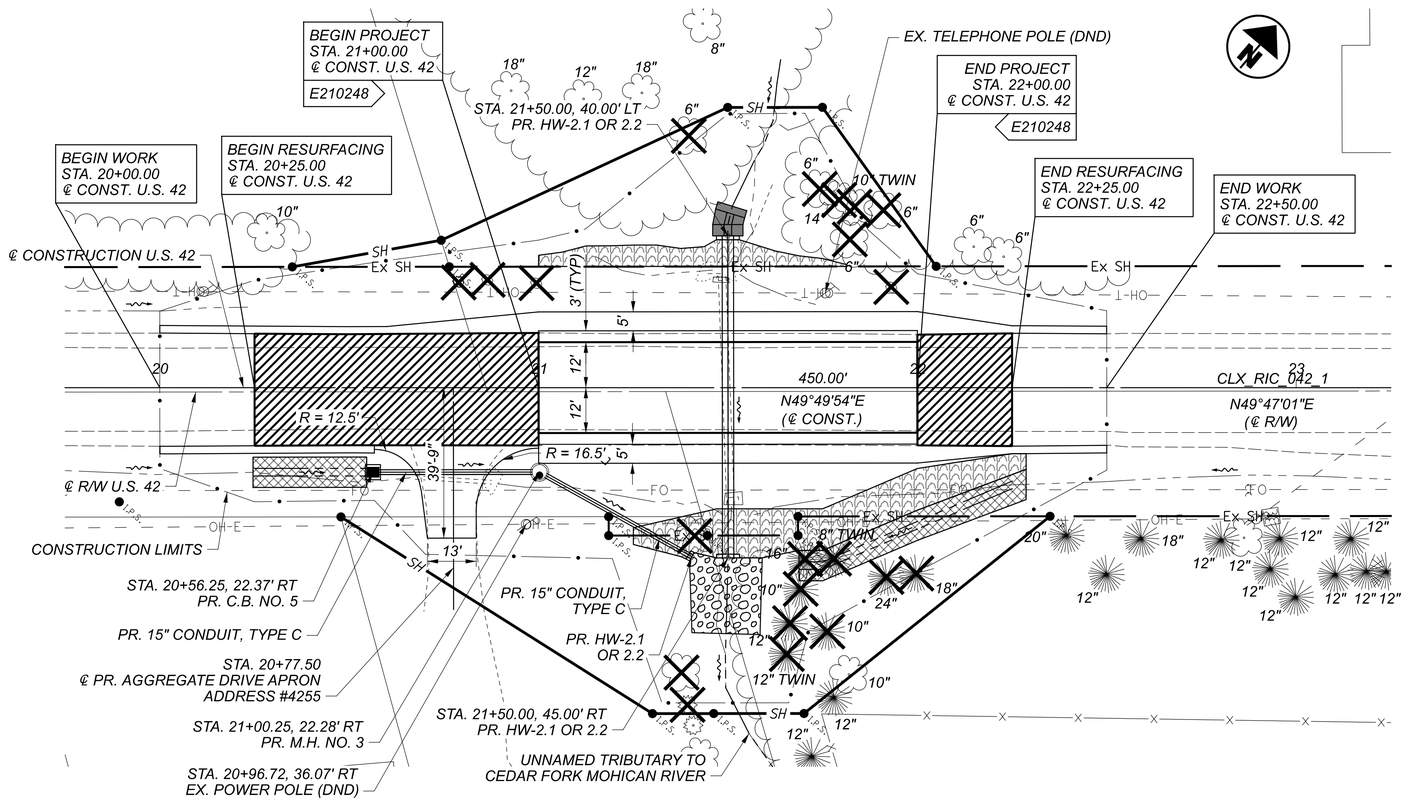
DESIGNER
ACM

REVIEWER
KCK 01-02-25

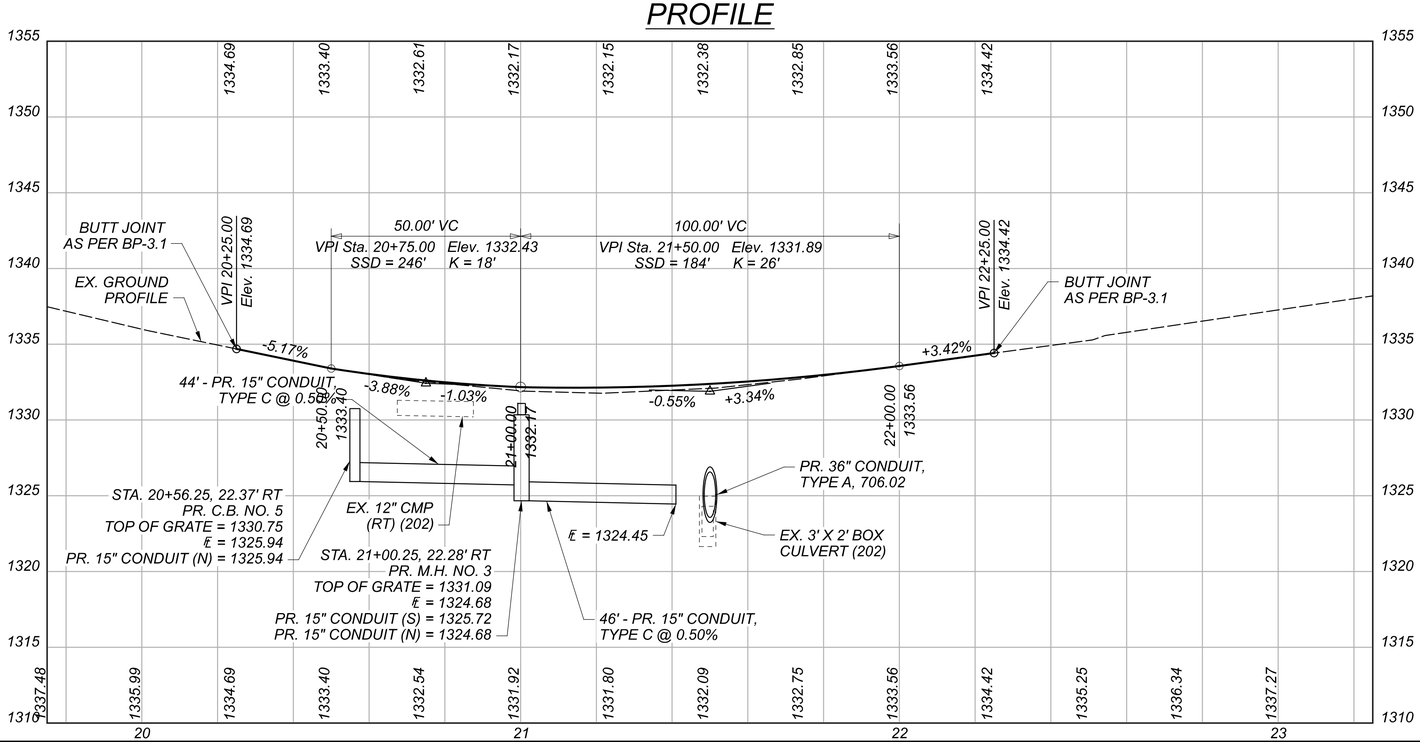
PROJECT ID
113284

SHEET P.15 TOTAL 31

PLAN



PROFILE



LEGEND

- RESURFACING
- ROCK CHANNEL PROTECTION, TYPE B W/ FILTER
- SLOPE EROSION PROTECTION MAT, TYPE B
- TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT
- CLEARING AND GRUBBING

202 - TO BE REMOVED

DND - DO NOT DISTURB

NOTES

1.) FOR COORDINATE CONTROL TABLE, SEE SHEET RW.3.

2.) SEE CROSS SECTIONS SHEETS FOR SLOPE BREAK RATES.

3.) STA. 20+00.00 ℄ R/W U.S. 42 = STA. 20+00.00 ℄ CONST. U.S. 42 (1.16' RT)
STA. 22+50.00 ℄ R/W U.S. 42 = STA. 22+50.00 ℄ CONST. U.S. 42 (0.95' RT)

HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE
RIC-42-0.41

DESIGN AGENCY
DISTRICT 3
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KCK 01-02-25

PROJECT ID
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SHEET P.16 TOTAL 31

RIC-42/545-0.41/2.36

MODEL: CLP_CONST_US42 - Plan [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/24/2025 TIME: 11:27:07 AM USER: amellen
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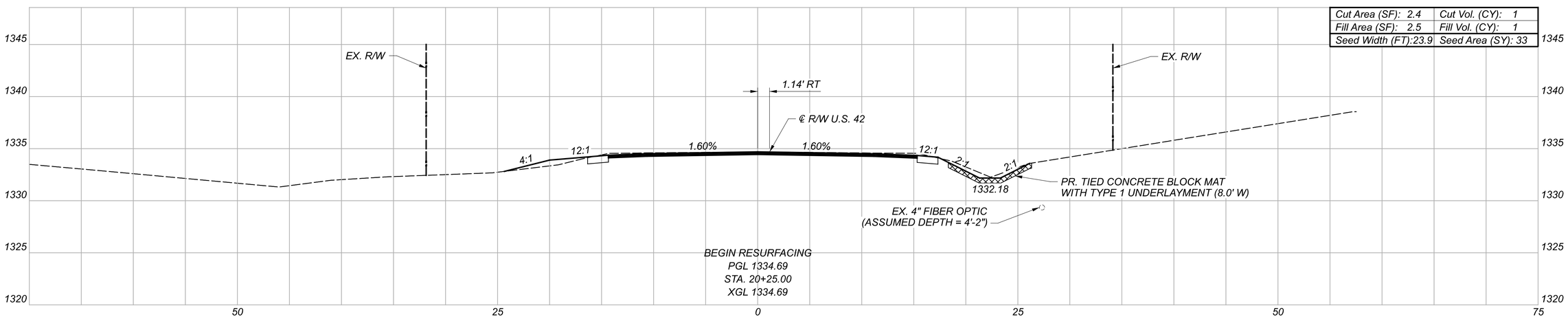
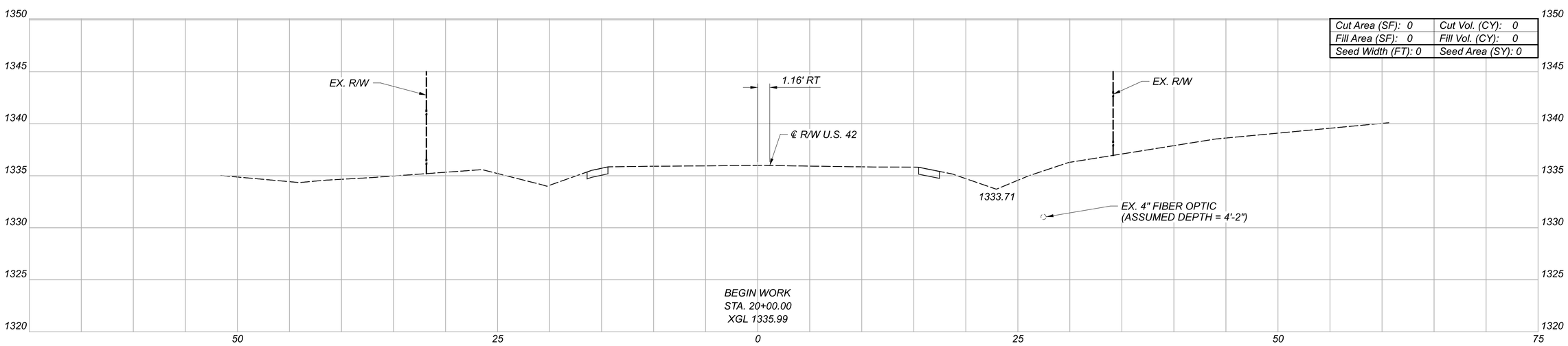
Cut Area (SF): 2.4	Cut Vol. (CY): 1
Fill Area (SF): 2.5	Fill Vol. (CY): 1
Seed Width (FT):23.9	Seed Area (SY): 33



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



CROSS SECTIONS - RIC-42-0.41
STA. 20+00.00 TO STA. 20+25.00

DESIGN AGENCY
DISTRICT 3
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113284

Sheet Totals		
Seeding	Cut	Fill
33	1	1

SHEET P.17 TOTAL 31

RIC-42/545-0.41/2.36

MODEL: CLP_CONST_US42 - 20+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/24/2025 TIME: 11:27:17 AM USER: amellen
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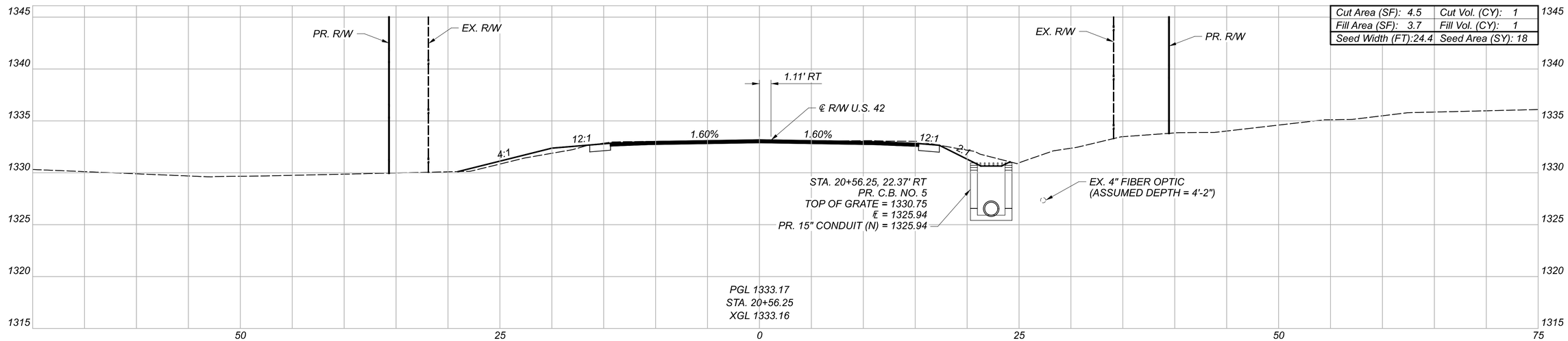
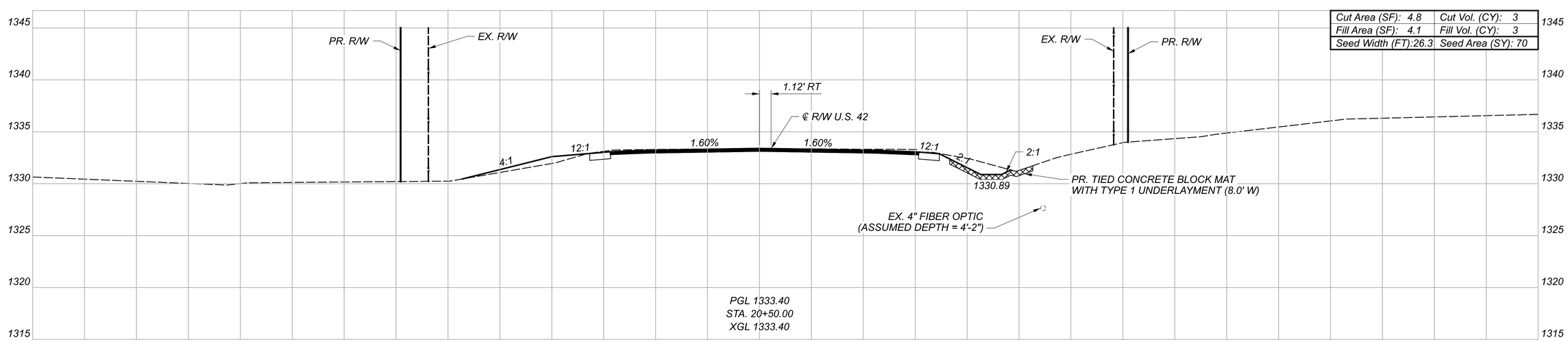


Cut Area (SF): 4.5	Cut Vol. (CY): 1
Fill Area (SF): 3.7	Fill Vol. (CY): 1
Seed Width (FT):24.4	Seed Area (SY): 18



Cut Area (SF): 4.8	Cut Vol. (CY): 3
Fill Area (SF): 4.1	Fill Vol. (CY): 3
Seed Width (FT):26.3	Seed Area (SY): 70

CROSS SECTIONS - RIC-42-0.41
STA. 20+50.00 TO STA. 20+56.25

Sheet Totals		
Seeding	Cut	Fill
88	4	4

DESIGN AGENCY
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SHEET P.18 TOTAL 31

RIC-42/545-0.41/2.36

MODEL: CLP_CONST_US42 - 20+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/24/2025 TIME: 11:27:19 AM USER: amellen
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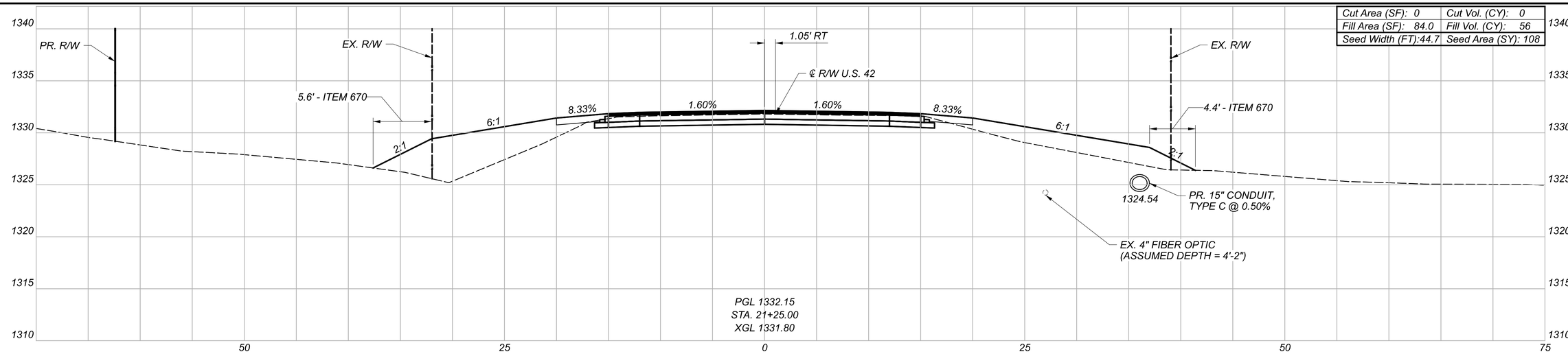

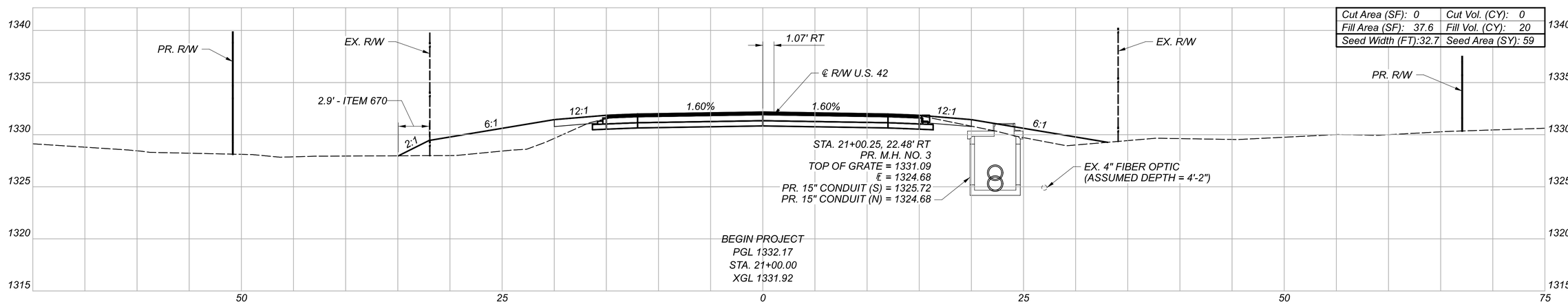

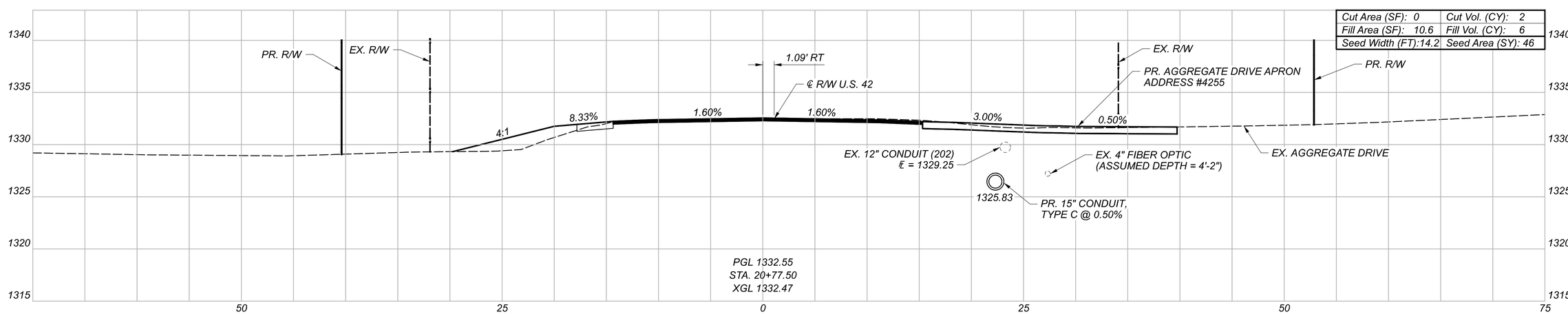

CROSS SECTIONS - RIC-42-0.41
STA. 20+77.50 TO STA. 21+25.00

Sheet Totals		
Seeding	Cut	Fill
213	2	82

DESIGN AGENCY
DISTRICT 3
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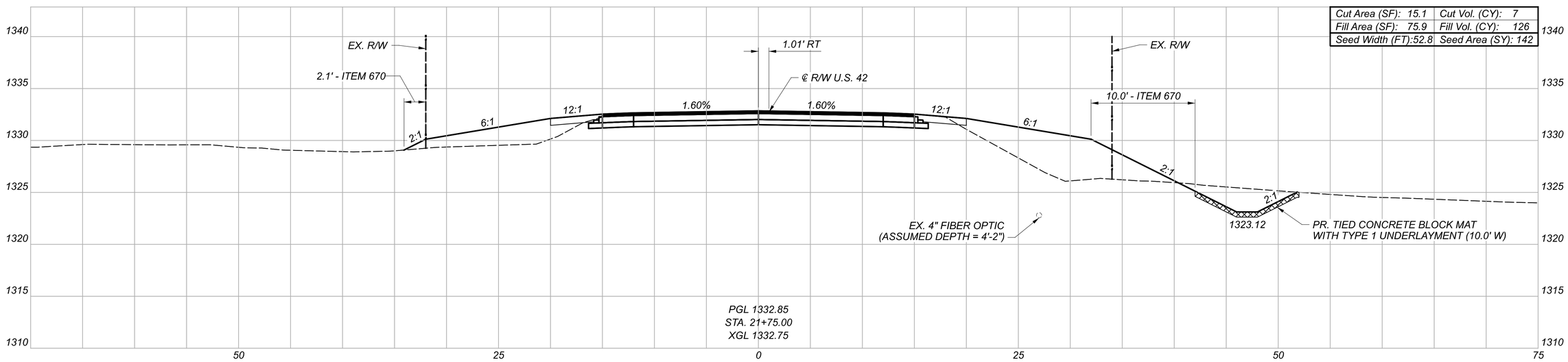
PROJECT ID
113284

SHEET P.19 TOTAL 31

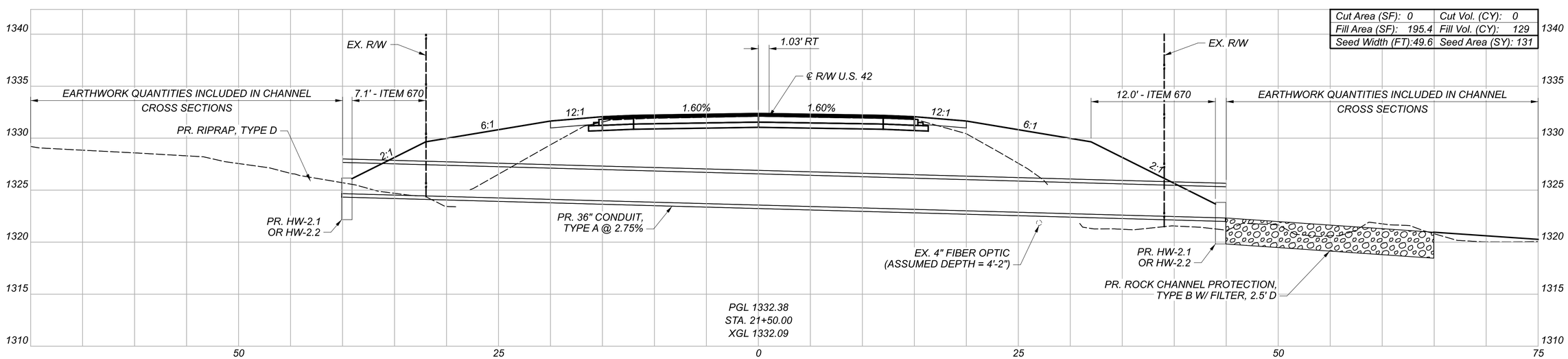
RIC-42/545-0.41/2.36

MODEL: CLP_CONST_US42 - 20+77.50 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/24/2025 TIME: 11:27:19 AM USER: amellen
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 03\Richland\113284\400-Engineering\Roadway\Sheets\113284_XS001.dgn

Cut Area (SF): 15.1	Cut Vol. (CY): 7
Fill Area (SF): 75.9	Fill Vol. (CY): 126
Seed Width (FT):52.8	Seed Area (SY): 142



Cut Area (SF): 0	Cut Vol. (CY): 0
Fill Area (SF): 195.4	Fill Vol. (CY): 129
Seed Width (FT):49.6	Seed Area (SY): 131



Sheet Totals		
Seeding	Cut	Fill
273	7	255

CROSS SECTIONS - RIC-42-0.41
STA. 21+50.00 TO STA. 21+75.00

DESIGN AGENCY
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SHEET P.20 TOTAL 31

RIC-42/545-0.41/2.36

MODEL: CLP_CONST_US42 - 21+50.00 [Sheet] PAPERSIZE: 34x22 (in) DATE: 1/24/2025 TIME: 11:27:20 AM USER: amellen
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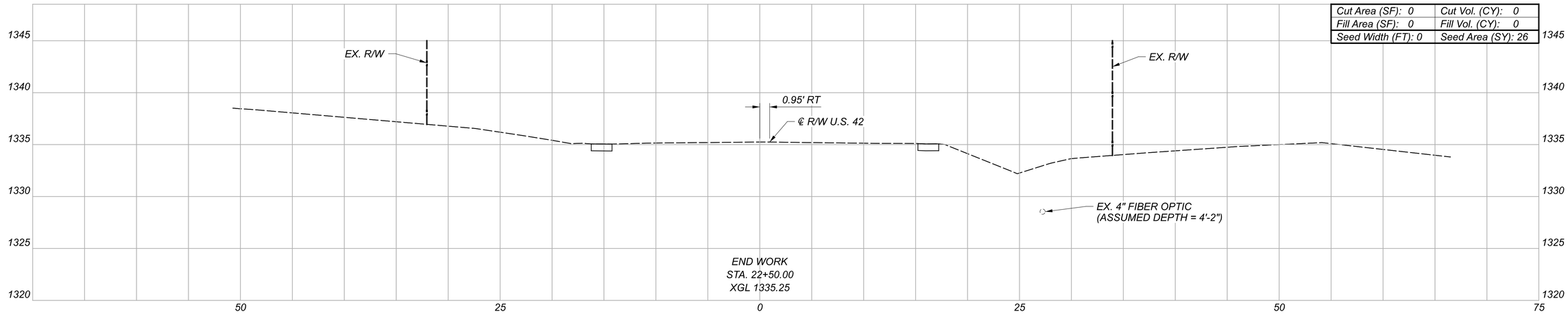
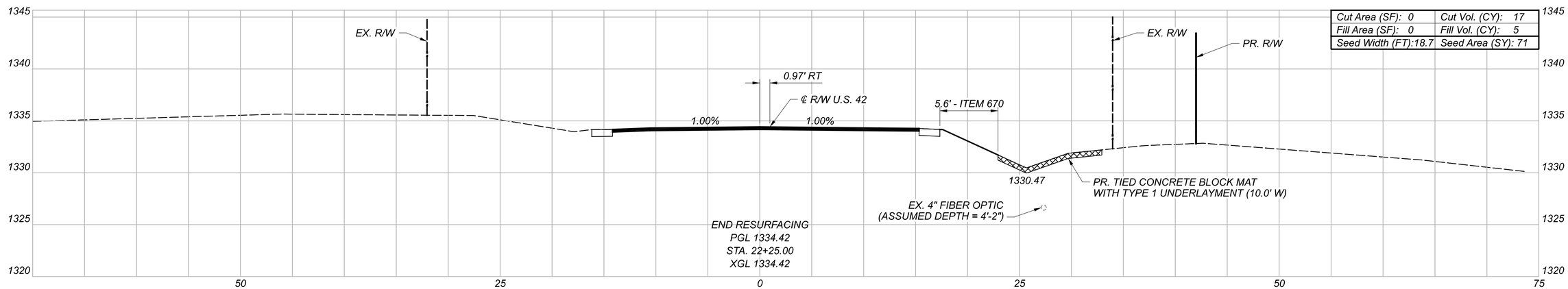
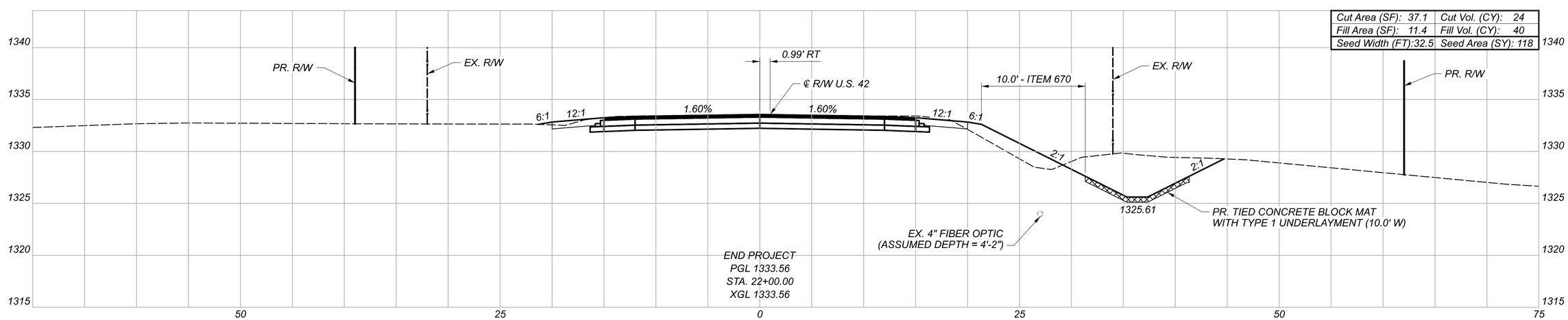


Cut Area (SF): 0	Cut Vol. (CY): 0
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 0	Seed Area (SY): 26



Cut Area (SF): 0	Cut Vol. (CY): 17
Fill Area (SF): 0	Fill Vol. (CY): 5
Seed Width (FT):18.7	Seed Area (SY): 71



Cut Area (SF): 37.1	Cut Vol. (CY): 24
Fill Area (SF): 11.4	Fill Vol. (CY): 40
Seed Width (FT):32.5	Seed Area (SY): 118

Sheet Totals		
Seeding	Cut	Fill
215	41	45

CROSS SECTIONS - RIC-42-0.41
STA. 22+00.00 TO STA. 22+50.00

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DISTRICT 3
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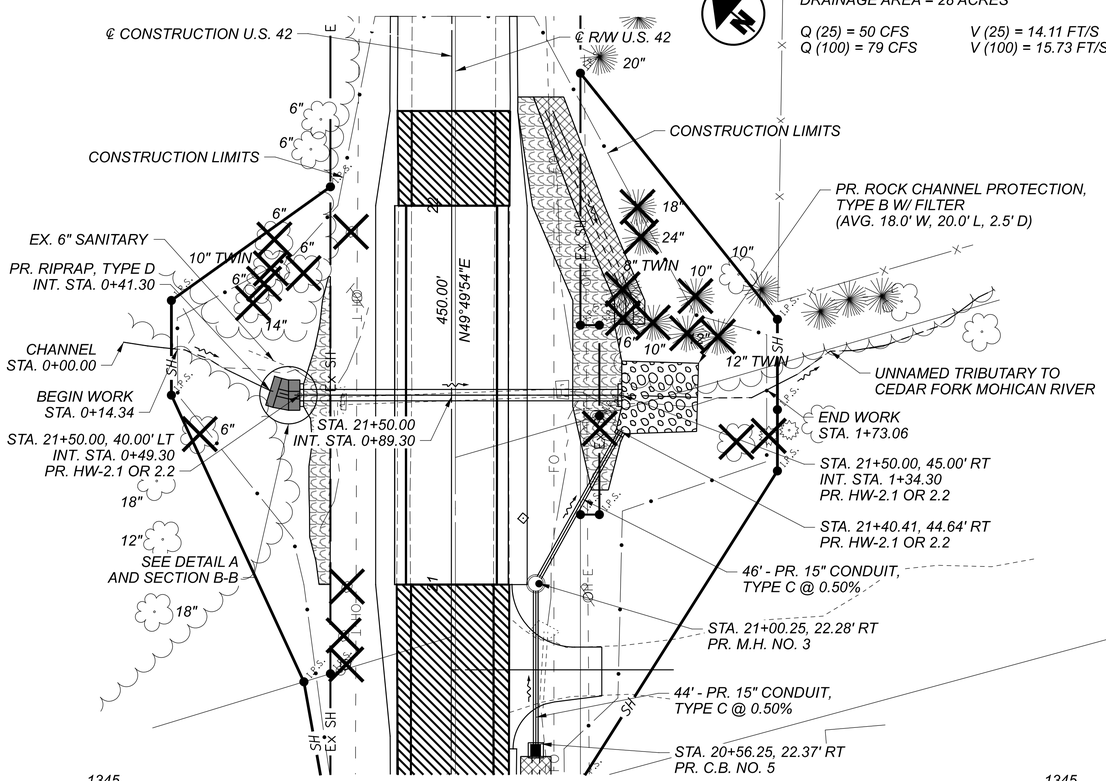
PROJECT ID
113284

SHEET P.21 TOTAL 31

RIC-42/545-0.41/2.36

MODEL: CLP_CONST_US42 - 22+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/24/2025 TIME: 11:27:20 AM USER: amellen
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 03\Richland\113284\400-Engineering\Roadway\Sheets\113284_XS001.dgn

PLAN

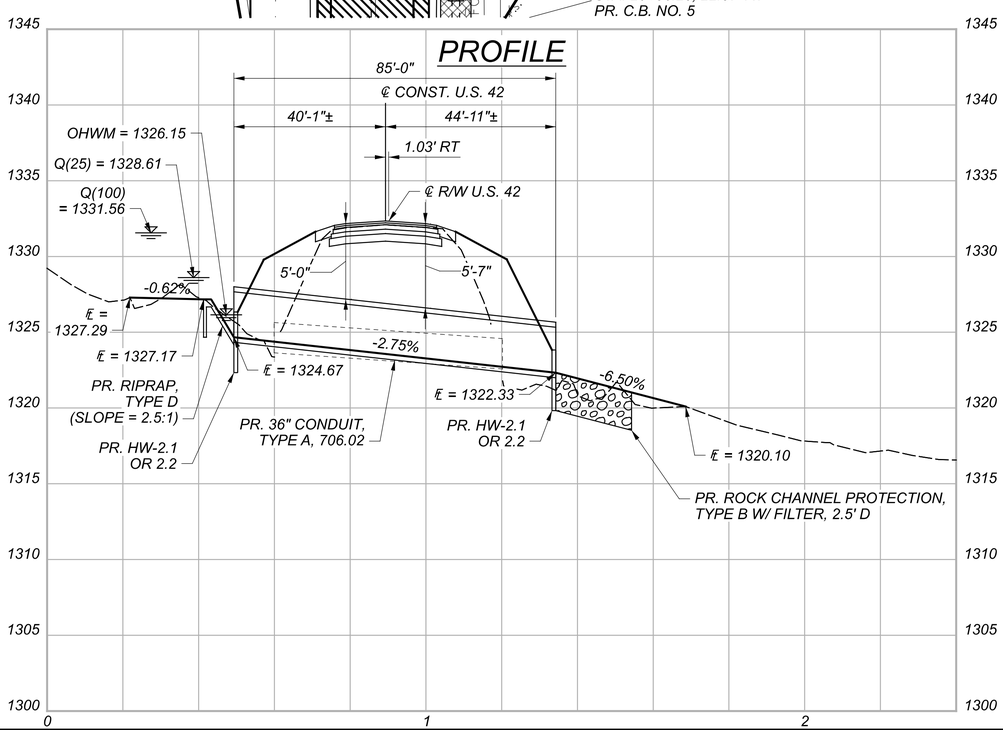


HYDRAULIC DATA

DRAINAGE AREA = 28 ACRES

Q (25) = 50 CFS V (25) = 14.11 FT/S
Q (100) = 79 CFS V (100) = 15.73 FT/S

PROFILE



EXISTING STRUCTURE

TYPE: SANDSTONE/CONCRETE BOX

CULVERT FILE NUMBER: 1868869

DIMENSIONS: 3' SPAN X 2' RISE

LENGTH: 60'-4"±

SKEW: 2° 08' 57" R.F.

ALIGNMENT: TANGENT

DATE BUILT: UNKNOWN

DISPOSITION: POOR (TO BE REPLACED)

PROPOSED STRUCTURE

TYPE: REINFORCED CONCRETE PIPE, 706.02

CULVERT FILE NUMBER: 1984759

DIMENSIONS: 36" DIAMETER

LENGTH: 85'-0"

ROADWAY: 30'-0" TREATED SH. TO TREATED SH.

SKEW: 0°

ALIGNMENT: TANGENT

STREAM: ABRASION LEVEL = 1, pH = 8.3

COORDINATES: 40°38'28" N 82°37'58" W

LEGEND

- RESURFACING
- ROCK CHANNEL PROTECTION, TYPE B W/ FILTER
- TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT
- SLOPE EROSION PROTECTION MAT, TYPE B
- CLEARING AND GRUBBING

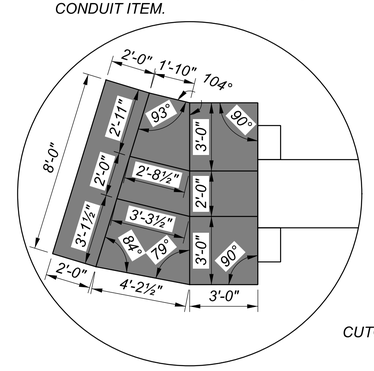
NOTES

1.) EARTHWORK LIMITS SHOWN ARE APPROXIMATE. ACTUAL SLOPES SHALL CONFORM TO PLAN CROSS SECTIONS.

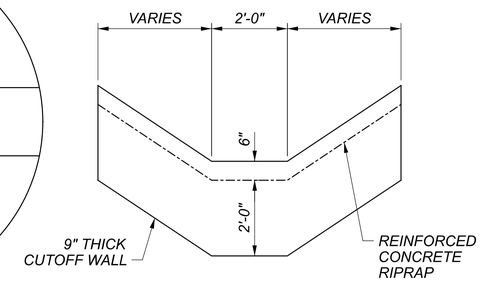
2.) EXISTING STRUCTURE TO BE REMOVED. ROAD TO BE CLOSED DURING CONSTRUCTION AND TRAFFIC TO BE DETOURED. MAINTENANCE OF TRAFFIC DETAILS ARE SHOWN ON DETOUR PLAN SHEETS.

3.) SEE ROADWAY SUB-SUMMARY SHEET FOR ROADWAY AND PAVEMENT QUANTITIES.

4.) ALL CONNECTIONS BETWEEN PROPOSED AND EXISTING CONDUIT SHALL BE MADE WITH A MASONRY COLLAR PER DM-1.1. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE APPROPRIATE 611 CONDUIT ITEM.



DETAIL A



SECTION B-B

RIC-42-0.41 ESTIMATED QUANTITIES (01/STR/04)

ITEM	QUANTITY	UNIT	DESCRIPTION
201	LS		CLEARING AND GRUBBING
202	2	EACH	HEADWALL REMOVED
202	LS		STRUCTURE REMOVED, AS PER PLAN
202	61	FT	PIPE REMOVED, 24" DIAMETER AND UNDER
503	LS		COFFERDAMS AND EXCAVATION BRACING
601	8	SY	RIPRAP, TYPE D
601	42	CY	ROCK CHANNEL PROTECTION, TYPE B WITH FILTER
601	80	SY	TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT
602	1.77	CY	CONCRETE MASONRY
611	90	FT	15" CONDUIT, TYPE C
611	85	FT	36" CONDUIT, TYPE A, 706.02, 707.33, 748.06 (0.500)
611	1	EACH	CATCH BASIN, NO. 5
611	1	EACH	MANHOLE, NO. 3
670	157	SY	SLOPE EROSION PROTECTION MAT, TYPE B

ALL QUANTITIES CARRIED TO GENERAL SUMMARY

HORIZONTAL SCALE IN FEET 0 10 20 40

CULVERT DETAILS
RIC-42-0.41

DESIGN AGENCY
DISTRICT 3
ENGINEERING TEAM THREE

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KCK 01-02-25

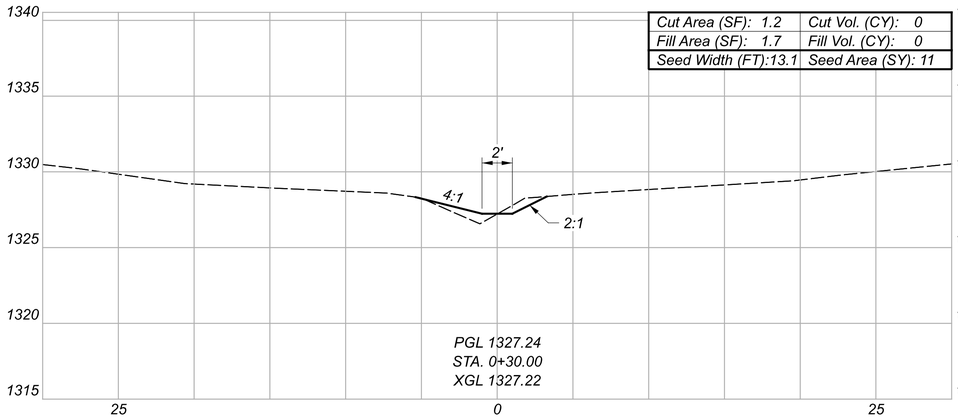
PROJECT ID
113284

SHEET P.22 TOTAL 31

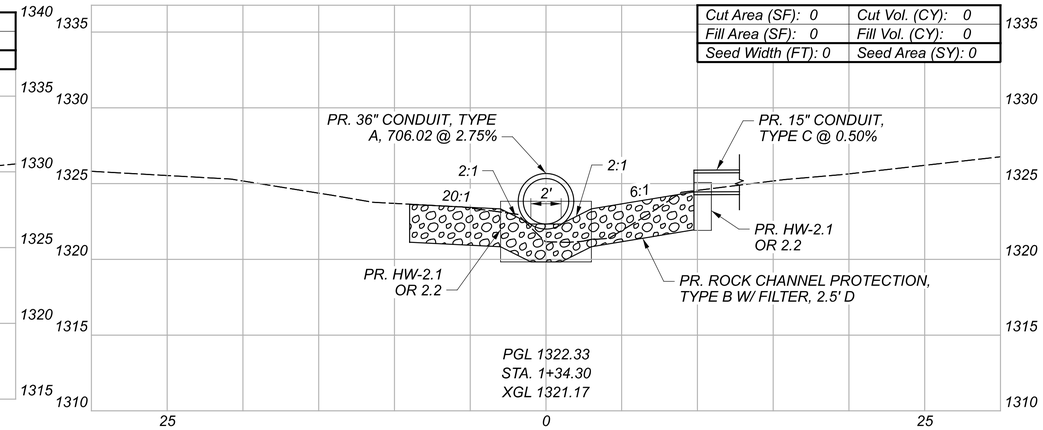
RIC-42/545-0.41/2.36

MODEL: CLP_CHANNEL_US42 - Plan [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/24/2025 TIME: 11:27:49 AM USER: amellen
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 03\Richland\113284\400-Engineering\Drainage\Sheets\113284_DC001.dgn

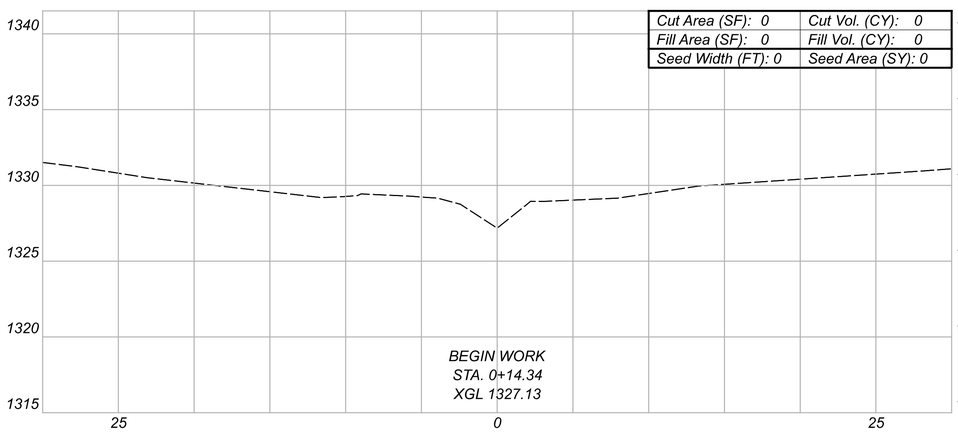
Cut Area (SF): 1.2	Cut Vol. (CY): 0
Fill Area (SF): 1.7	Fill Vol. (CY): 0
Seed Width (FT):13.1	Seed Area (SY): 11



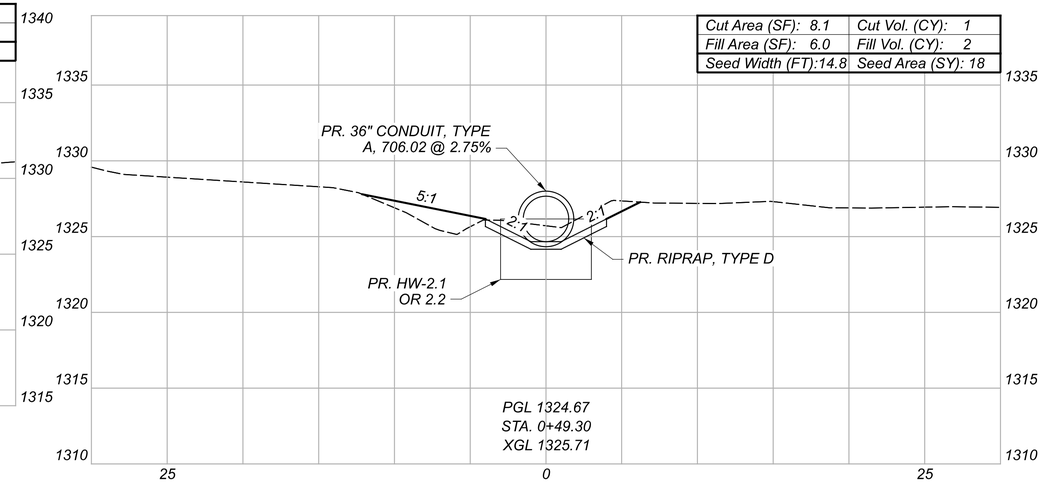
Cut Area (SF): 0	Cut Vol. (CY): 0
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 0	Seed Area (SY): 0



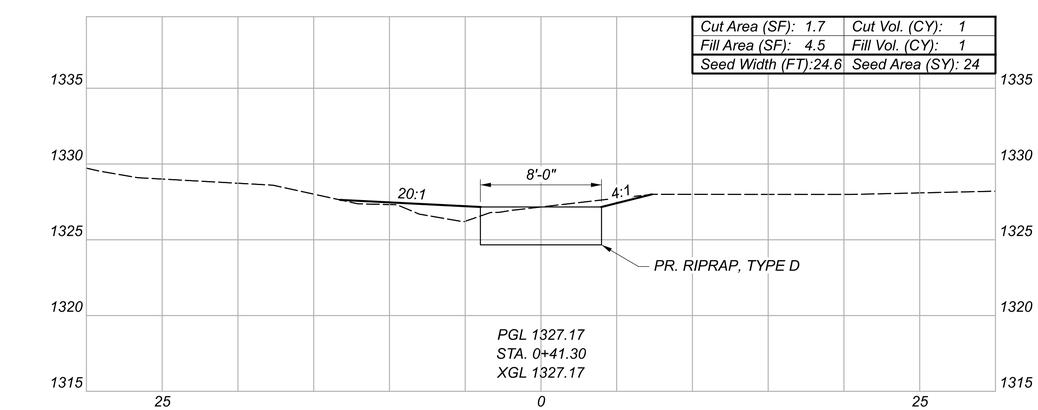
Cut Area (SF): 0	Cut Vol. (CY): 0
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 0	Seed Area (SY): 0



Cut Area (SF): 8.1	Cut Vol. (CY): 1
Fill Area (SF): 6.0	Fill Vol. (CY): 2
Seed Width (FT):14.8	Seed Area (SY): 18



Cut Area (SF): 1.7	Cut Vol. (CY): 1
Fill Area (SF): 4.5	Fill Vol. (CY): 1
Seed Width (FT):24.6	Seed Area (SY): 24



CHANNEL CROSS SECTIONS - RIC-42-0.41
STA. 0+14.24 TO STA. 0+34.30

Sheet Totals		
Seeding	Cut	Fill
53	2	3

DESIGN AGENCY
DISTRICT 3
ENGINEERING TEAM THREE

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PROJECT ID
113284

SHEET P.23 TOTAL 31

RIC-42/545-0.41/2.36

MODEL: CLP_CHANNEL_US42 - 0+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/24/2025 TIME: 11:27:59 AM USER: amellen
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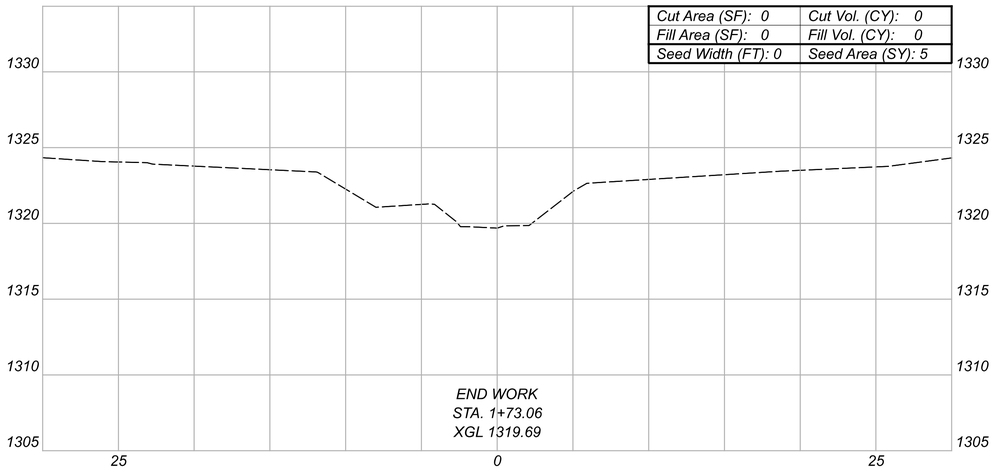
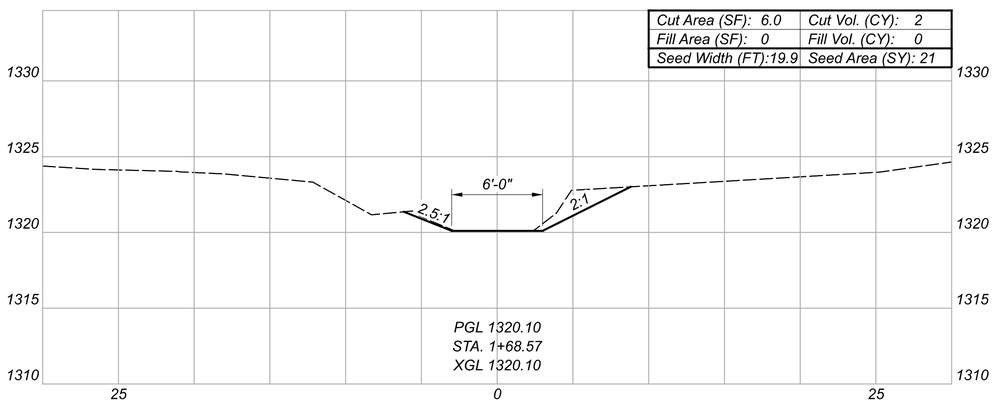
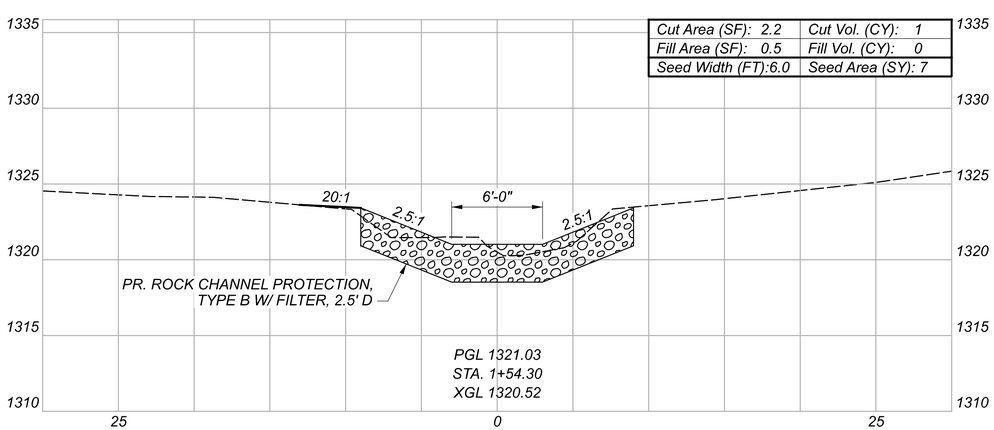






CHANNEL CROSS SECTIONS - RIC-42-0.41
STA. 1+54.30 TO STA. 1+73.06

Sheet Totals		
Seeding	Cut	Fill
33	3	0

DESIGN AGENCY
DISTRICT 3
ENGINEERING TEAM THREE

DESIGNER
ACM

REVIEWER
KCK 01-02-25

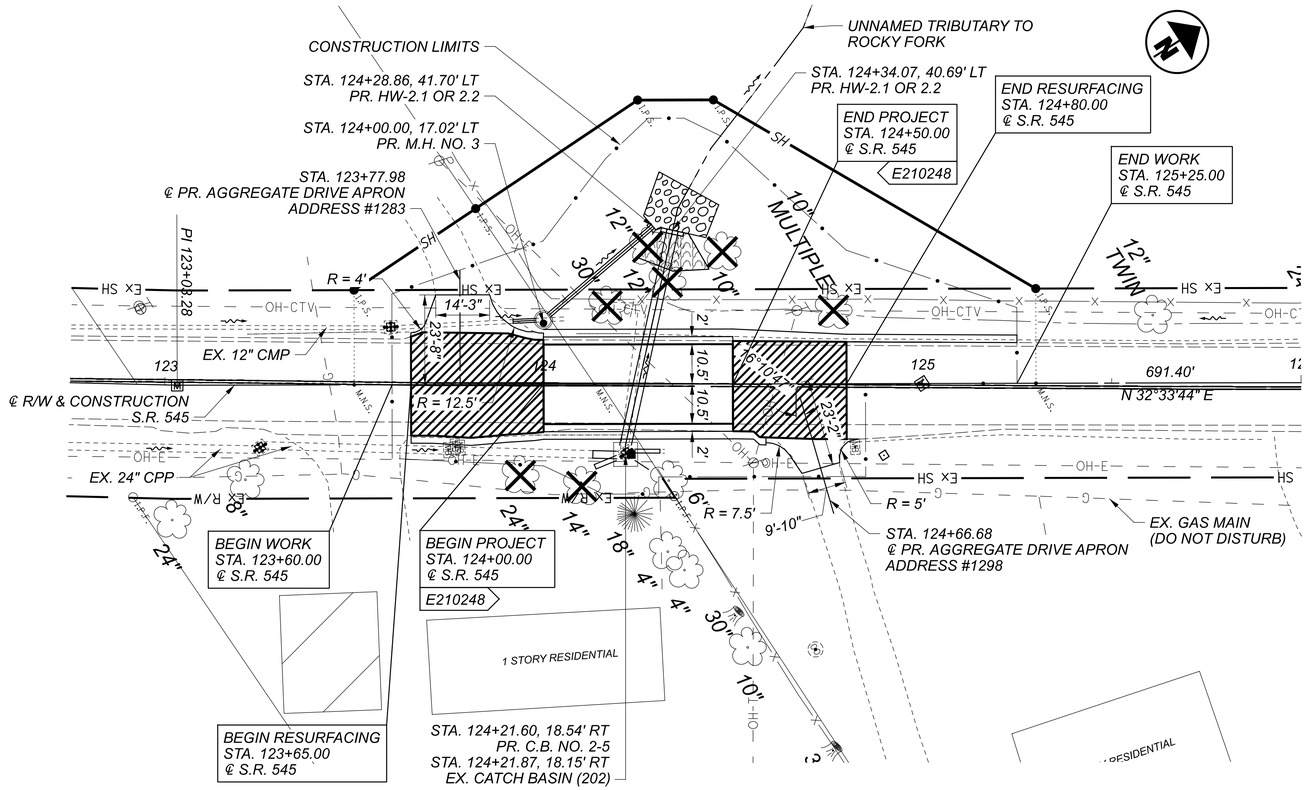
PROJECT ID
113284

SHEET P.24 TOTAL 31

RIC-42/545-0.41/2.36

MODEL: CLP_CHANNEL_US42 - 1+54.30 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/24/2025 TIME: 11:28:00 AM USER: amellen
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01Active Projects\District 03\Richland\113284\400-Engineering\Drainage\Sheets\113284_X001.dgn

PLAN



LEGEND

202 - TO BE REMOVED

- RESURFACING
- ROCK CHANNEL PROTECTION, TYPE B W/ FILTER
- SLOPE EROSION PROTECTION MAT, TYPE B
- CLEARING AND GRUBBING

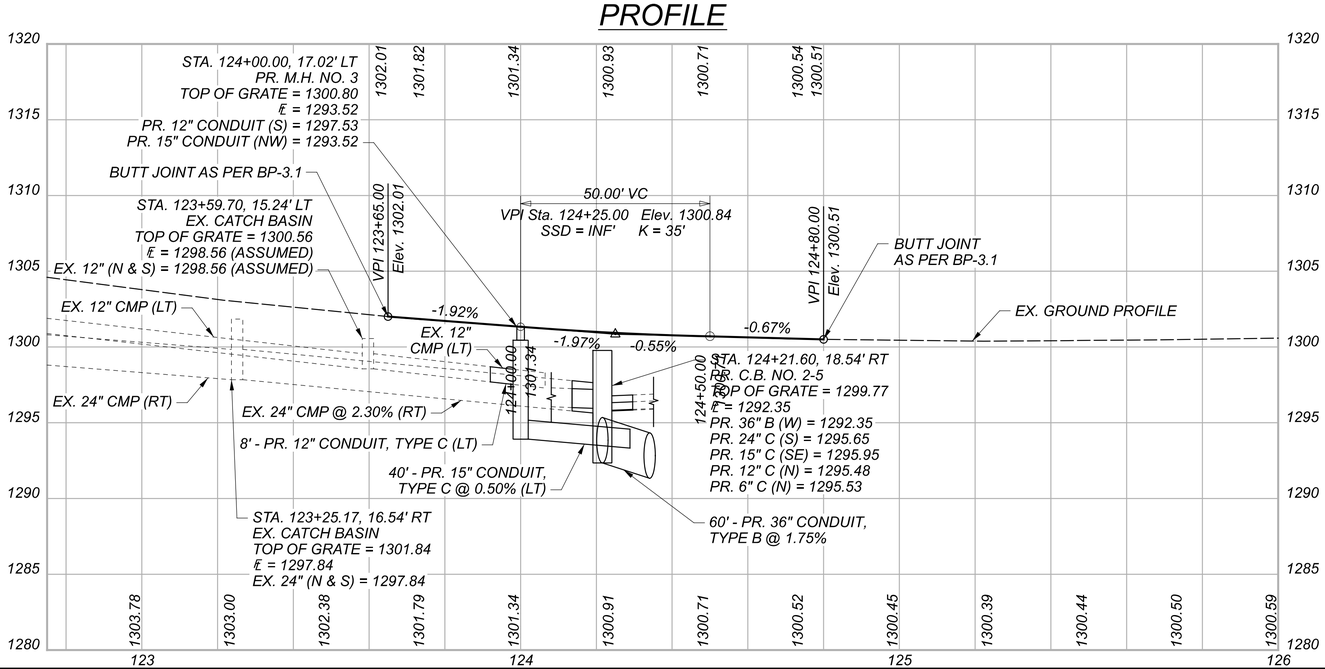
NOTES

1.) FOR COORDINATE CONTROL TABLE, SEE SHEET RW.3.

2.) SEE CROSS SECTIONS SHEETS FOR SLOPE BREAK RATES.

3.) EXISTING POWER AND TELEPHONE POLES WITHIN THE CONSTRUCTION LIMITS SHALL REMAIN IN PLACE DURING CONSTRUCTION.

PROFILE



HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE
RIC-545-2.36

DESIGN AGENCY
DISTRICT 3
ENGINEERING TEAM THREE

DESIGNER
ACM

REVIEWER
KCK 01-02-25

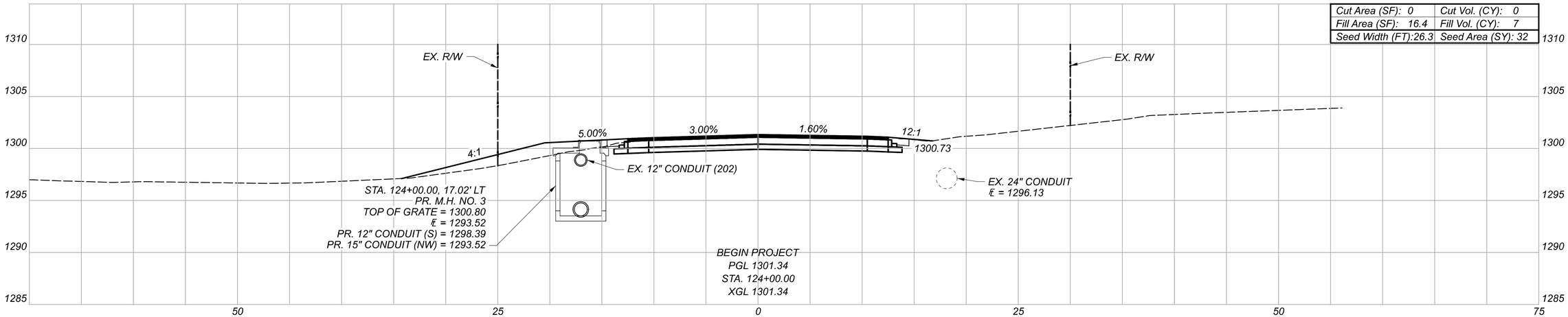
PROJECT ID
113284

SHEET P.25 TOTAL 31

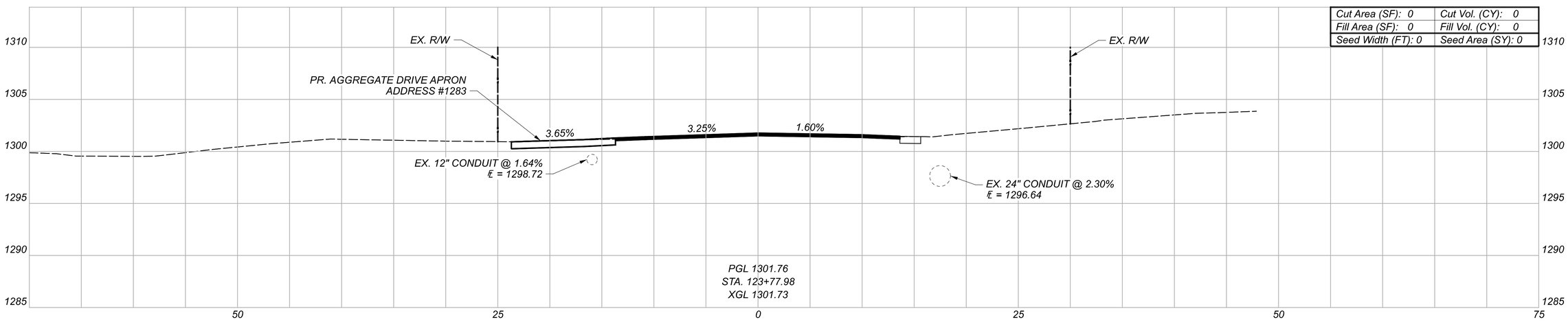
RIC-42/545-0.41/2.36

MODEL: CLP_S545 - Plan (Sheet) PAPERSIZE: 34x22 (in.) DATE: 2/7/2025 TIME: 8:08:47 AM USER: amellen
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 03\Richland\113284\400-Engineering\Roadway\Sheets\113284_GP002.dgn

Cut Area (SF): 0	Cut Vol. (CY): 0
Fill Area (SF): 16.4	Fill Vol. (CY): 7
Seed Width (FT):26.3	Seed Area (SY): 32

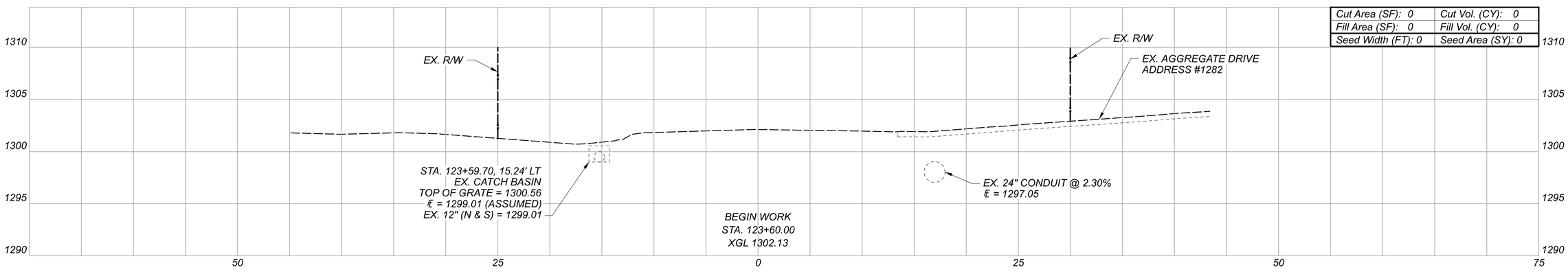


Cut Area (SF): 0	Cut Vol. (CY): 0
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 0	Seed Area (SY): 0



BEGIN RESURFACING = STA. 123+65.00

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



Sheet Totals		
Seeding	Cut	Fill
32	0	7

CROSS SECTIONS - RIC-545-2.36
STA. 123+60.00 TO STA. 124+00.00

DESIGN AGENCY
DISTRICT 3
ENGINEERING TEAM THREE

DESIGNER
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REVIEWER
KCK 01-02-25

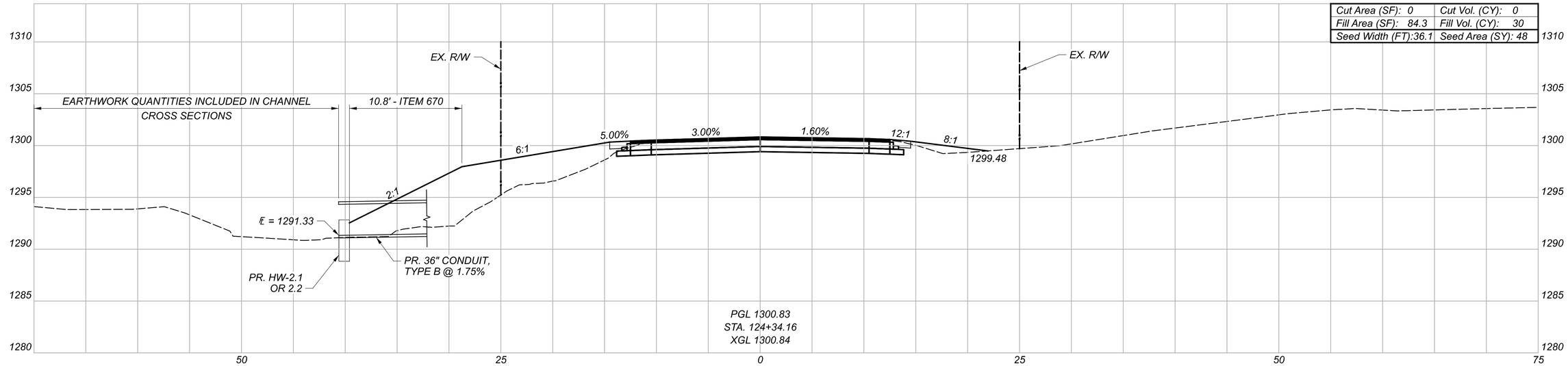
PROJECT ID
113284

SHEET P.26 TOTAL 31

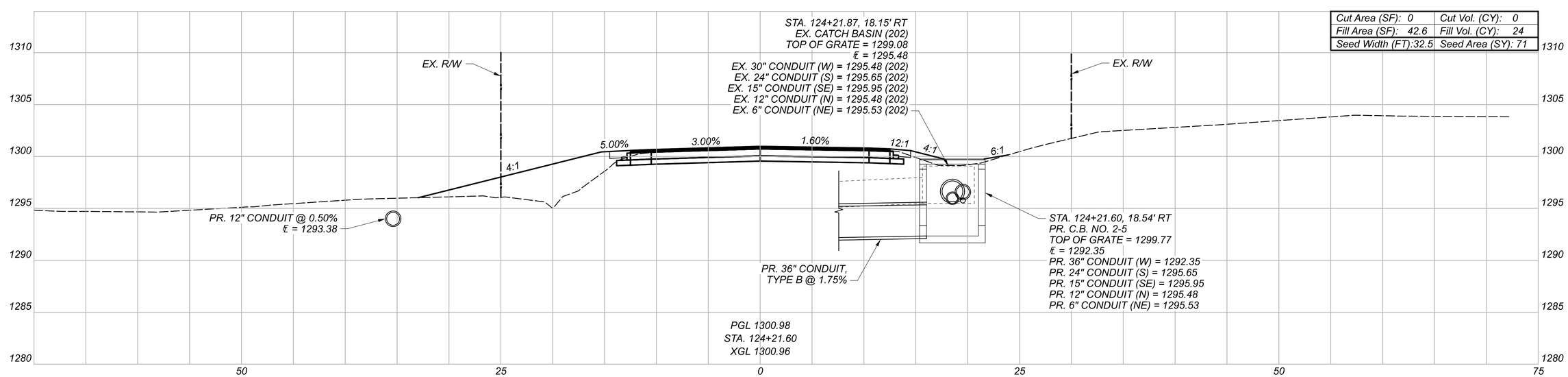
RIC-42/545-0.41/2.36

MODEL: CLP_SS45 - 123+60.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/24/2025 TIME: 11:28:43 AM USER: amellen
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 03\Richland\113284\400-Engineering\Roadway\Sheets\113284_XS002.dgn

Cut Area (SF): 0	Cut Vol. (CY): 0
Fill Area (SF): 84.3	Fill Vol. (CY): 30
Seed Width (FT):36.1	Seed Area (SY): 48



Cut Area (SF): 0	Cut Vol. (CY): 0
Fill Area (SF): 42.6	Fill Vol. (CY): 24
Seed Width (FT):32.5	Seed Area (SY): 71



Sheet Totals		
Seeding	Cut	Fill
119	0	54

CROSS SECTIONS - RIC-545-2.36
STA. 124+21.60 TO STA. 124+34.16

DESIGN AGENCY
DISTRICT 3
ENGINEERING TEAM THREE

DESIGNER
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REVIEWER
KCK 01-02-25

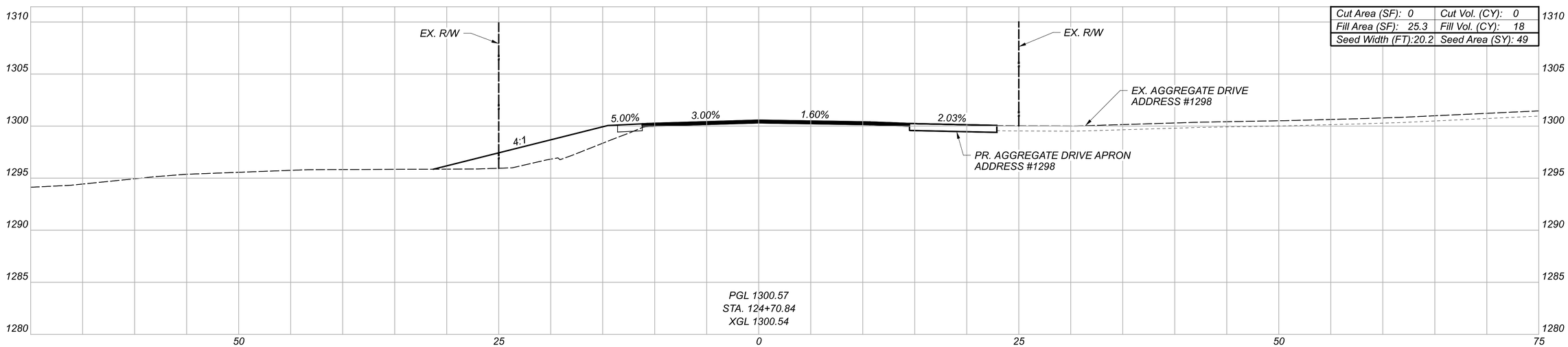
PROJECT ID
113284

SHEET P.27 TOTAL 31

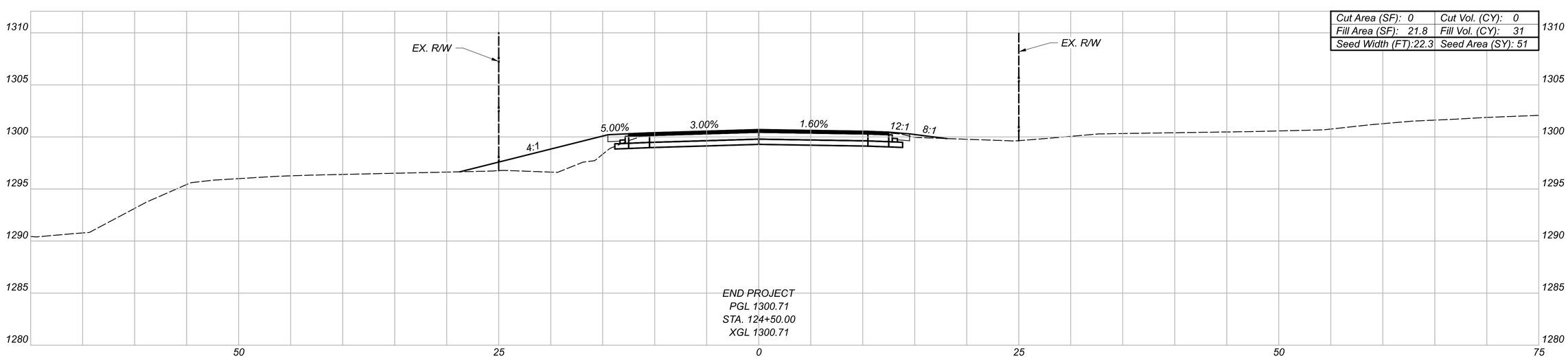
RIC-42/545-0.41/2.36

MODEL: CLP_S545 - 124+21.60 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/24/2025 TIME: 11:28:44 AM USER: amellen
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 03\Richland\113284\400-Engineering\Roadway\Sheets\113284_XS002.dgn

END RESURFACING = STA. 124+80.00



Cut Area (SF): 0	Cut Vol. (CY): 0
Fill Area (SF): 25.3	Fill Vol. (CY): 18
Seed Width (FT):20.2	Seed Area (SY): 49



Cut Area (SF): 0	Cut Vol. (CY): 0
Fill Area (SF): 21.8	Fill Vol. (CY): 31
Seed Width (FT):22.3	Seed Area (SY): 51

Sheet Totals		
Seeding	Cut	Fill
100	0	49

CROSS SECTIONS - RIC-545-2.36
STA. 124+50.00 TO STA. 124+70.84

DESIGN AGENCY
DISTRICT 3

ENGINEERING TEAM THREE

DESIGNER
ACM

REVIEWER
KCK 01-02-25

PROJECT ID
113284

SHEET P.28 TOTAL 31

RIC-42/545-0.41/2.36

MODEL: CLP_S545 - [24+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/24/2025 TIME: 11:28:45 AM USER: amellen
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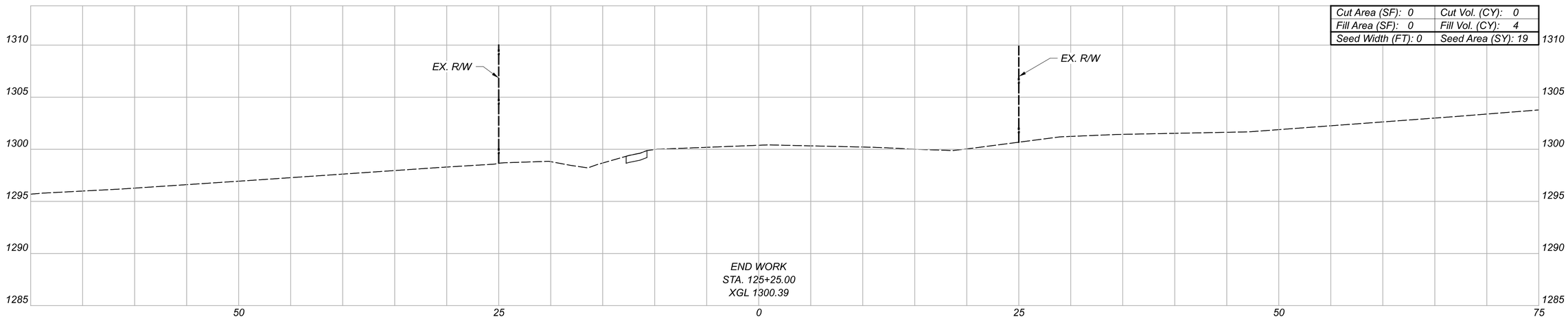
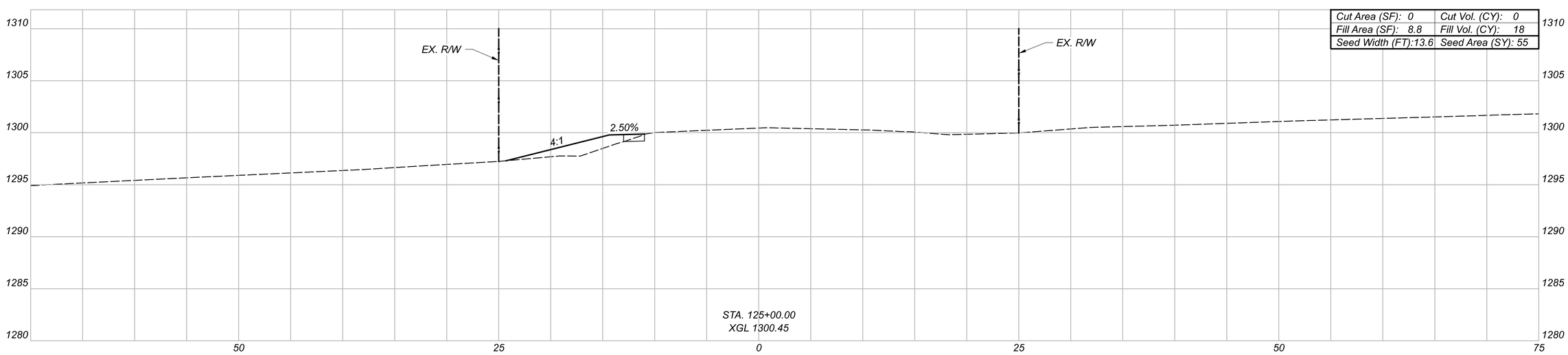




Sheet Totals		
Seeding	Cut	Fill
74	0	22

CROSS SECTIONS - RIC-545-2.36
STA. 125+00.00 TO STA. 125+25.00

DESIGN AGENCY
DISTRICT 3
ENGINEERING TEAM THREE

DESIGNER
ACM

REVIEWER
KCK 01-02-25

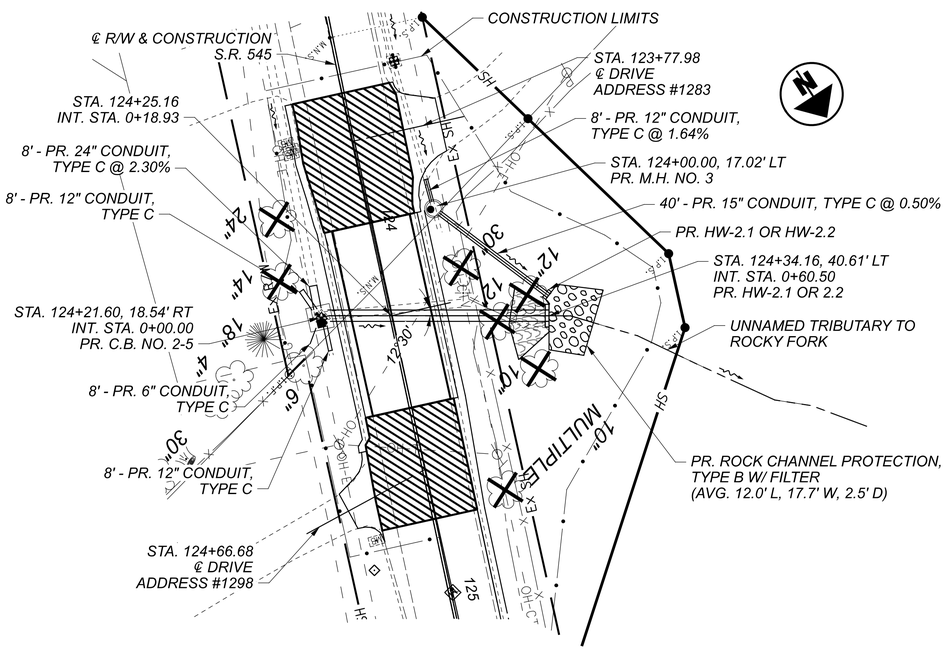
PROJECT ID
113284

SHEET P.29 TOTAL 31

RIC-42/545-0.41/2.36

MODEL: CLP_SS45 - 125+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/24/2025 TIME: 11:28:46 AM USER: amellen
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 03\Richland\113284\400-Engineering\Roadway\Sheets\113284_XS002.dgn

PLAN



EXISTING STRUCTURE

TYPE: REINFORCED CONCRETE PIPE

CULVERT FILE NUMBER: 1871829

DIMENSIONS: 30" DIAMETER

LENGTH: 36'-6"

SKEW: 7° 20' 28" L.F.

ALIGNMENT: TANGENT

DATE BUILT: UNKNOWN

DISPOSITION: POOR (TO BE REPLACED)

PROPOSED STRUCTURE

TYPE: REINFORCED CONCRETE PIPE, 706.02

CULVERT FILE NUMBER: 1984760

DESIGN SERVICE LIFE: 75 YEARS

DIMENSIONS: 36" DIAMETER

LENGTH: 60'-0"

SKEW: 12° 30' 00" L.F.

ALIGNMENT: TANGENT

ROADWAY: 25'-0" TREATED SH. TO TREATED SH.

STREAM: ABRASION LEVEL = 1, pH = 8.1

COORDINATES: 40°47'37" N 82°29'31" W

HYDRAULIC DATA

DRAINAGE AREA = 26 ACRES

Q (25) = 46 CFS V (25) = 11.58 FT/S
Q (100) = 72 CFS V (100) = 13.15 FT/S

LEGEND

- RESURFACING
- SLOPE EROSION PROTECTION MAT, TYPE B
- ROCK CHANNEL PROTECTION, TYPE B W/ FILTER
- CLEARING AND GRUBBING

NOTES

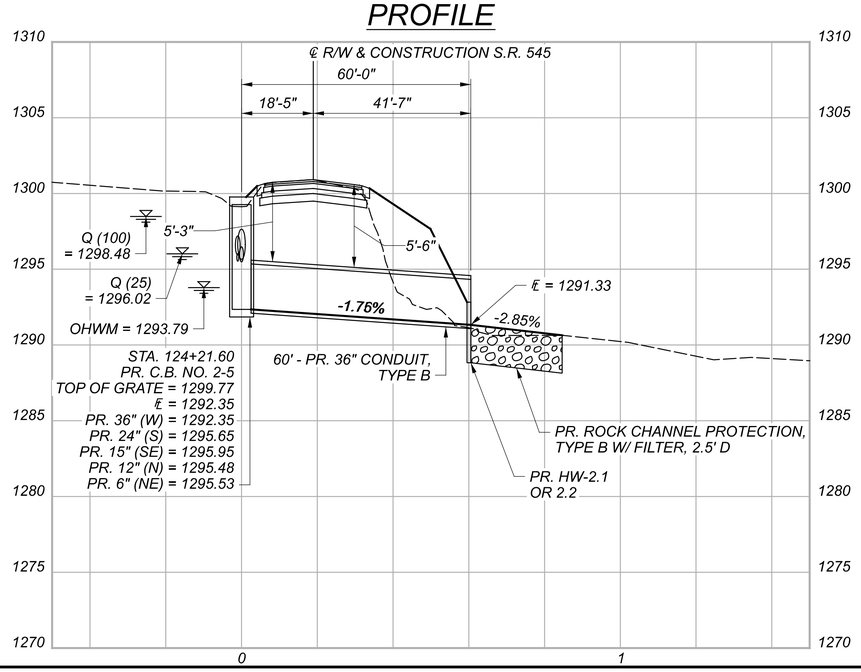
1.) EARTHWORK LIMITS SHOWN ARE APPROXIMATE. ACTUAL SLOPES SHALL CONFORM TO PLAN CROSS SECTIONS.

2.) EXISTING STRUCTURE TO BE REMOVED. ROAD TO BE CLOSED DURING CONSTRUCTION AND TRAFFIC TO BE DETOURED. MAINTENANCE OF TRAFFIC DETAILS ARE SHOWN ON DETOUR PLAN SHEETS.

3.) SEE ROADWAY SUBSUMMARY FOR ROADWAY AND PAVEMENT QUANTITIES.

4.) ALL CONNECTIONS BETWEEN PROPOSED AND EXISTING CONDUIT SHALL BE MADE WITH A MASONRY COLLAR AS PER DM-1.1. THIS WORK SHALL BE INCIDENTAL TO THE APPROPRIATE 611 CONDUIT ITEM.

PROFILE



RIC-545-2.36 ESTIMATED QUANTITIES (02/S<2/04)			
ITEM	QUANTITY	UNIT	DESCRIPTION
201	LS		CLEARING AND GRUBBING
202	1	EACH	HEADWALL REMOVED
202	47	FT	PIPE REMOVED, 24" DIAMETER AND UNDER
202	37	FT	PIPE REMOVED, OVER 24" DIAMETER
202	1	EACH	CATCH BASIN REMOVED
503	LS		COFFERDAMS AND EXCAVATION BRACING
601	23	CY	ROCK CHANNEL PROTECTION, TYPE B WITH FILTER
602	0.94	CY	CONCRETE MASONRY
611	8	FT	6" CONDUIT, TYPE C
611	24	FT	12" CONDUIT, TYPE C
611	40	FT	15" CONDUIT, TYPE C
611	8	FT	24" CONDUIT, TYPE C
611	60	FT	36" CONDUIT, TYPE B
611	1	EACH	CATCH BASIN, NO. 2-5
611	1	EACH	MANHOLE, NO. 3
670	14	SY	SLOPE EROSION PROTECTION MAT, TYPE B

ALL QUANTITIES CARRIED TO GENERAL SUMMARY

HORIZONTAL SCALE IN FEET 0 10 20 40

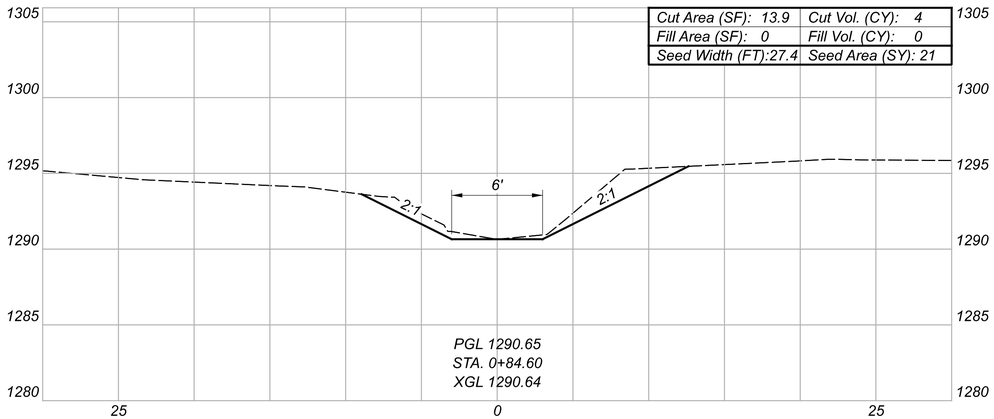
CULVERT DETAILS
RIC-545-2.36

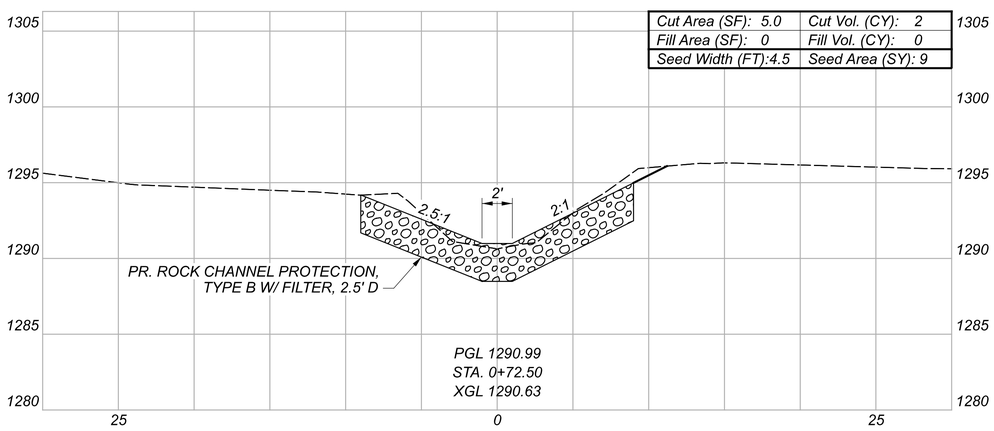
DESIGN AGENCY
DISTRICT 3
ENGINEERING TEAM THREE

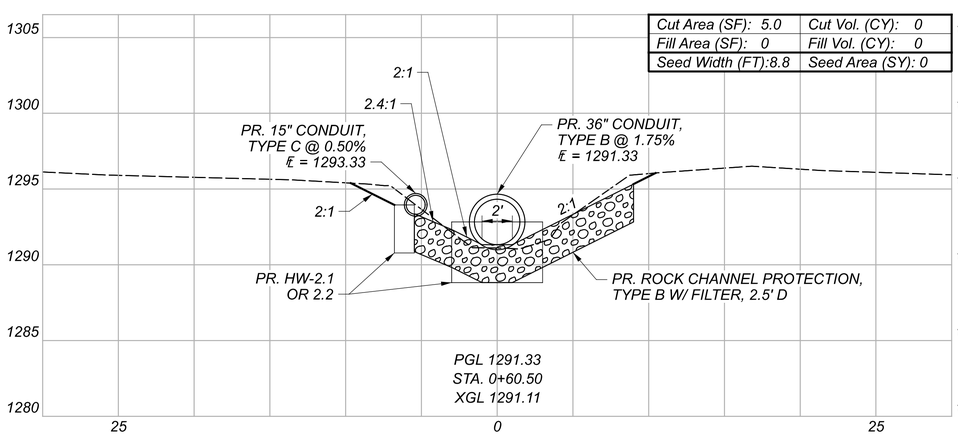
DESIGNER ACM
REVIEWER KCK 01-02-25
PROJECT ID 113284
SHEET P.30 TOTAL 31

RIC-42/545-0.41/2.36

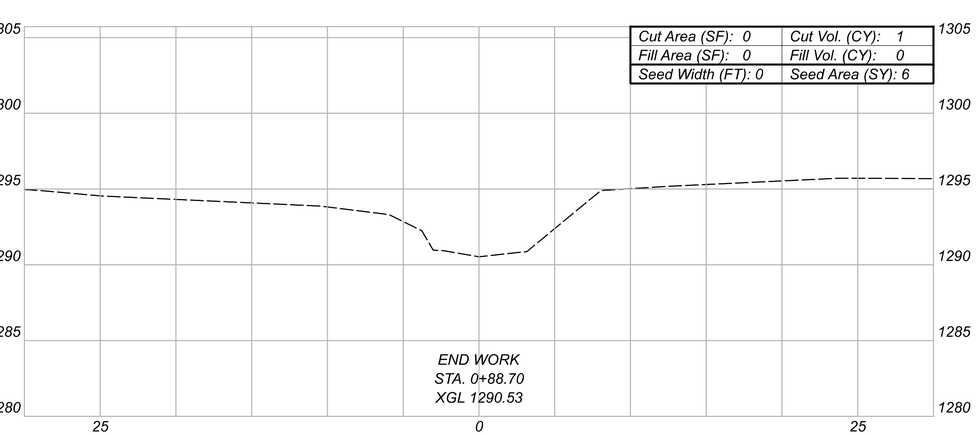
MODEL: CLP_CHANNEL_SS45 - Plan 1(Sheet) PAPERSIZE: 34x22 (in.) DATE: 2/7/2025 TIME: 8:41:24 AM USER: amellen
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 03\Richland\113284\400-Engineering\Drainage\Sheets\113284_DC002.dgn







STA. 0+00.00 TO STA. 0+60.50
INCLUDED IN ROADWAY CROSS SECTIONS



Sheet Totals		
Seeding	Cut	Fill
36	7	0

CHANNEL CROSS SECTIONS - RIC-545-2.36
STA. 0+60.50 TO STA. 0+88.69

DESIGN AGENCY
DISTRICT 3
ENGINEERING TEAM THREE

DESIGNER
ACM

REVIEWER
KCK 01-02-25

PROJECT ID
113284

SHEET P.31 TOTAL 31

RIC-42/545-0.41/2.36

MODEL: CLP_CHANNEL_SS46 - 0+60.54 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/24/2025 TIME: 11:29:07 AM USER: amellen
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 03\Richland\113284\400-Engineering\Drainage\Sheets\113284_X0002.dgn