

BP-2.1

BP-2.2

BP-3.1

BP-4 1

BP-5.1

DM-1.1

DM-1.2

DM-4 1

DM-4.2

DM-4 3

DM-4.4

LA-1.2

MGS-1 1

1/21/22 MGS-2.1

1/15/21 MGS-4.2

1/19/24 MGS-5.3

7/15/22 RM-1.1

7/16/21 HW-1.1

7/17/20 HW-2.2

1/15/16 HL-10.11

1/15/16 HL-10.12

1/16/09 HL-20.11

7/16/21 HI-30 21

HL-10.13

HL-30.11

RM-3.1

7/19/13

7/17/20

7/20/12

STANDARD CONSTRUCTION DRAWINGS

1/15/21 TC-42.20

7/19/24 TC-52.10

7/21/17 TC-52.20

7/21/23 TC-61.30

7/19/24 TC-65.10

4/19/19 TC-71.10

1/20/17

4/21/23

7/17/20

1/17/20

10/18/13

4/21/23

10/18/13

10/18/13

TC-65.11

10/18/13

10/18/13

1/15/21

7/19/24

1/17/14

1/19/24

4/21/23

1/19/18 HL-30.22

7/19/13 HL-40.10

7/15/16 HL-60.11

1/20/23 HL-60.31

7/19/24 MT-97.12

7/20/18 MT-101.60

7/21/23 MT-105 10

7/21/23 TC-41.30

7/21/23 TC-41.40

4/17/20 TC-41 50

7/20/18

7/21/23 1/20/23 TC-41.20

HI-60 12

MT-97.10

MT-101.90

NONE REQUIRED

NONE REQUIRED

ADA DESIGN WAIVERS

UNDERGROUND UTILITIES

Contact Two Working Days

Before You Dig

🗯 OHIO 811. org

OHI0811, 8-1-1, or 1-800-362-2764

(Non members must be called directly)

PLAN PREPARED BY:

MEAD & HUNT

4700 LAKEHURST CT, SUITE 110

COLUMBUS, OH, 43016

Before You Dig

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m 5 WAY-585-

# FEDERAL PROJECT NUMBER

E230485

# RAILROAD INVOLVEMENT

# **PROJECT DESCRIPTION**

THIS PROJECT CONSISTS OF UPGRADING THE INTERSECTION OF SR 585 (AKRON ROAD) AND TR 68 (NORTH GEYERS CHAPEL ROAD) TO A MODERN ROUNDABOUT. THIS PROJECT INCLUDES LIGHTING, DRAINAGE, SIGNING, AND STRIPING WORK. THE TOTAL PROJECT WORK LENGTH IS 0.36 MILES.

# EARTH DISTURBED AREAS

ECT EARTH DISTURBED AREA:	4.36 ACRES
IATED CONTRACTOR EARTH DISTURBED AREA:	0.88 ACRES
CE OF INTENT EARTH DISTURBED AREA:	5.24 ACRES

# 2023 SPECIFICATIONS

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

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT DETOURS WILL BE PROVIDED AS INDICATED ON SHEET P.11 & P.12

SUPPLEMENTAL

SPECIFICATIONS

7/19/24

7/19/24

4/16/2

800-2023

813

825

832

913

SPECIAL

PROVISIONS

7/19/25 WATERWAY

7/21/23 PERMIT 2/19/25

obert Weaver District<sup>03</sup> Deputy Director

Pamela Boratyn Director, Department of Transportation



TITLE SHEET

Mead

&-Iunt

LNB

SJS 01/13/2

118336

P.01 93

LIENT



Steven Scheid Digitally signed b

#### ITEM 609 - 6" CONCRETE TRAFFIC ISLAND, AS PER PLAN, TOOLED AND STAINED

THIS WORK SHALL CONSIST OF CONSTRUCTING THE COLORING AND JOINTING OF CONCRETE FOR THE SPLITTER ISLANDS.

#### MATERIALS:

- A. CONCRETE SHALL BE IN ACCORDANCE WITH THE PLANS AND SECTION 609 OF THE ODOT STANDARD SPECIFICATIONS.
- B. THE CONCRETE COLOR IS TO MATCH THE TRUCK APRON AND SHALL BE "BRICK RED" AS MANUFACTURED BY BOMANITE OR APPROVED EQUAL; PHONE 303-369-1115, E-MAIL INFO@BOMANITE.COM OR INTERNET WWW.BOMANITE.COM.
- C. COLORED CONCRETE WILL BE AN INTEGRAL COLORING APPLICATION, WITH COLORING ADDITIVES MIXED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. MIX UNTIL COLOR ADDITIVES ARE UNIFORMLY DISPERSED THROUGHOUT MIXTURE. COLOR SHALL BE UNIFORM THROUGHOUT THE CONCRETE.
- D. CURING COMPOUND FOR COLORED CONCRETE: CURING COMPOUND SHALL COMPLY WITH ASTM C309 AND BE APPROVED BY COLOR ADDITIVE MANUFACTURER FOR USE WITH COLORED CONCRETE. PROVIDE JS CLEAR COAT SEALER OR APPROVED EQUAL ON ALL SURFACES.
- E. ADMIXTURES: DO NOT USE CALCIUM CHLORIDE ADMIXTURES.

### CONSTRUCTION REQUIREMENTS:

- A. PREPARE SUBGRADE AND INSTALL COLORED CONCRETE IN ACCORDANCE WITH THE PLANS AND SECTION 609 OF THE ODOT STANDARD SPECIFICATIONS, EXCEPT AS NOTED HEREIN.
- B. JOINTS SHALL BE TOOLED IN RATTERNS INDICATED ON PLANS, OR AS NOTED HEREIN (PATTERN: BRICK RUNNING BOND). THE SPLITTER ISLANDS SHALL BE SCORED IN A 24-INCH RUNNING BOND PATTERN PERPENDICULAR TO THE REFERENCE LINE THAT THE SPLITTER ISLAND IS CONSTRUCTED.
- C. TOOLED JOINTS: FORM JOINTS AFTER INITIAL FLOATING BY GROOVING AND FINISHING EACH EDGE OF JOINT WITH GROOVING TOOL TO A 1/4 INCH RADIUS. REPEAT GROOVING OF CONSTRUCTION JOINTS AFTER APPLYING SURFACE FINISHES. ELIMINATE TOOL MARKS ON CONCRETE SURFACES. EDGES OF COLORED CONCRETE NOT CONTAINED BY STANDARD CONCRETE SHALL BE TOOLED IN THE SAME MANNER
- D. FINISH: COLORED CONCRETE SHALL HAVE A BROOMED FINISH. PULL BROOM ACROSS FRESHLY FLOATED CONCRETE TO PRODUCE TEXTURE INDICATED IN STRAIGHT LINES PERPENDICULAR TO MAIN LINE OF TRAFFIC. DO NOT DAMPEN BROOMS. ROUNDABOUT TRUCK APRONS SHALL HAVE A LIGHT BROOM FINISH.
- E. CURING: APPLY CURING COMPOUND FOR COLORED CONCRETE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. APPLY CURING COMPOUND AT CONSISTENT TIME FOR EACH POUR TO MAINTAIN CLOSE COLOR CONSISTENCY.
- F. PROTECT ADJACENT FINISHED SURFACES FROM SPLATTERS.
- G. DO NOT ADD WATER TO CONCRETE AT JOB SITE. FOG OR SPRAY SURFACE WITH WATER, OR PUT INTO PUMPS OR ONTO TOOLS OR BROOMS
- H. DO NOT APPLY COLOR ADDITIVES MEANT FOR INTEGRAL COLORING TO SURFACE OF CONCRETE.

PAYMENT WILL INCLUDE THE COST OF FURNISHING AND PLACING ALL OF THE MATERIALS, FINISHING, AND TESTING. THE DEPARTMENT WILL PAY FOR ACCEPTED QUANTITIES AT THE CONTRACT PRICE PER SQUARE YARD FOR ITEM 609 - 6" CONCRETE TRAFFIC ISLAND, AS PER PLAN, TOOLED AND STAINED.

#### ITEM 452 - NON-REINFORCED CONCRETE PAVEMENT, MISC.: 12.25" TRUCK APRON STAINED

THIS WORK SHALL CONSIST OF CONSTRUCTING THE CONCRETE INCLUDING A STAIN COLORING FOR THE ROUNDABOUT TRUCK APRONS

#### MATERIALS.

- A. CONCRETE SHALL BE IN ACCORDANCE WITH THE PLANS AND SECTION 452 OF THE ODOT STANDARD SPECIFICATIONS. DO NOT COMPLY WITH THE REQUIREMENTS OF 451.14. CONCRETE SHALL BE CLASS QC 1P.
- B. THE CONCRETE COLOR IS TO MATCH THE SPLITTER ISLANDS AND SHALL BE "BRICK RED" AS MANUFACTURED BY BOMANITE OR APPROVED EQUAL; PHONE 303-369-1115, E-MAIL INFO@BOMANITE.COM OR INTERNET WWW.BOMANITE.COM.
- C. COLORED CONCRETE WILL BE AN INTEGRAL COLORING APPLICATION, WITH COLORING ADDITIVES MIXED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. MIX UNTIL COLOR ADDITIVES ARE UNIFORMLY DISPERSED THROUGHOUT MIXTURE. COLOR SHALL BE UNIFORM THROUGHOUT THE CONCRETE.
- D. CURING COMPOUND FOR COLORED CONCRETE: CURING COMPOUND SHALL COMPLY WITH ASTM C309 AND BE APPROVED BY COLOR ADDITIVE MANUFACTURER FOR USE WITH COLORED CONCRETE. PROVIDE JS CLEAR COAT SEALER OR APPROVED EQUAL ON ALL SURFACES.
- E. ADMIXTURES: DO NOT USE CALCIUM CHLORIDE ADMIXTURES.

# CONSTRUCTION REQUIREMENTS:

- A. PREPARE SUBGRADE AND INSTALL COLORED CONCRETE IN ACCORDANCE WITH THE PLANS AND SECTION 452 OF THE ODOT STANDARD SPECIFICATIONS, EXCEPT AS NOTED HEREIN.
- B. FINISH: COLORED CONCRETE SHALL HAVE A BROOMED FINISH. PULL BROOM ACROSS FRESHLY FLOATED CONCRETE TO PRODUCE TEXTURE INDICATED IN STRAIGHT LINES PERPENDICULAR TO MAIN LINE OF TRAFFIC. DO NOT DAMPEN BROOMS. ROUNDABOUT TRUCK APRONS SHALL HAVE A LIGHT BROOM FINISH.
- C. CURING: APPLY CURING COMPOUND FOR COLORED CONCRETE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. APPLY CURING COMPOUND AT CONSISTENT TIME FOR EACH POUR TO MAINTAIN CLOSE COLOR CONSISTENCY.
- D. PROTECT ADJACENT FINISHED SURFACES FROM SPLATTERS.
- E. DO NOT ADD WATER TO CONCRETE AT JOB SITE, FOG OR SPRAY SURFACE WITH WATER, OR PUT INTO PUMPS OR ONTO TOOLS OR BROOMS.
- F. DO NOT APPLY COLOR ADDITIVES MEANT FOR INTEGRAL COLORING TO SURFACE OF CONCRETE.

PAYMENT WILL INCLUDE THE COST OF FURNISHING AND PLACING ALL OF THE MATERIALS, FINISHING, AND TESTING. THE DEPARTMENT WILL PAY FOR ACCEPTED QUANTITIES AT THE CONTRACT PRICE PER SQUARE YARD FOR ITEM 452 - NON-REINFORCED CONCRETE PAVEMENT, MISC.: 12.25" TRUCK APRON STAINED.

#### **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.

#### ITEM 206 - CHEMICALLY STABILIZED SUBGRADE

CONSTRUCT THE SUBGRADE AS FOLLOWS AND IN THE FOLLOWING SEQUENCE:

- 1. SHAPE THE SUBGRADE TO WITHIN 0.2 FEET OF THE PLAN SUBGRADE ELEVATION. ALL BORROW SOIL TO BE PLACED AS BORROW FILL WITHIN 2 FEET OF THE SUBGRADE SHALL, PRIOR TO PLACEMENT, BE TESTED TO VERIFY THE BORROW HAS A PLASTICITY INDEX (PI) LESS THAN 20. THE COST TO PERFORM THIS TESTING SHALL BE INCLUDED IN THE UNIT COST OF ITEM 203, EMBANKMENT, AS PER PLAN.
- 2. THE ENTIRE FULL DEPTH PAVEMENT SECTIONS EXCEPT FOR STATION 47+10.00 TO 49+10.68 ON TR 68 SHALL BE STABILIZED TO A 12" DEPTH USING CEMENT. THE ABOVE REFERENCED SECTION SHALL BE STABILIZED TO A 14" DEPTH USING CEMENT. SPREAD THE CHEMICAL UNIFORMLY ON THE SUBGRADE
- 3. IMMEDIATELY AFTER SPREADING THE CHEMICAL, MIX THE SOIL AND CHEMICAL ACCORDING TO CMS 206.05.B.
- 4. COMPACT THE SOIL PER CMS 206.05.C.
- 5. BY THE END OF EACH DAY, APPLY A CURING COAT PER CMS 206 05 D
- 6. PROOF ROLL THE STABILIZED AREAS ACCORDING TO C&MS 206.05.E TO VERIFY STABILITY.
- 7. PROTECT THE SUBGRADE ACCORDING TO CMS 206.05.F.
- 8. FINE GRADE THE SUBGRADE ACCORDING TO CMS 206.05.C.

## CURB CUT AND EROSION CONTROL FLUMES

AT CURB CUTS INDICATED ON THE PLANS, PROVIDE AN EROSION CONTROL FLUME AS DETAILED IN SCD DM-4.1. ANCHOR THE UPSTREAM END PER THE MANUFACTURER'S RECOMMENDATIONS.

PROVIDE 5'-6" OF DROPPED CURB SIMILAR TO SCD BP-4.1 EXCEPT THE TOP OF THE CURB SHALL BE FLUSH WITH THE GUTTER. DEPRESS THE GUTTER SIMILAR TO SECTION A-A OF SCD DM-4.1. THE COST OF THE DROPPED CURB AND DEPRESSED GUTTER SHALL BE INCIDENTAL TO THE UNIT PRICE OF THE COMBINATION CURB AND GUTTER.

PAYMENT FOR THE FLUME WILL BE AS INDICATED ON SCD DM-4.1.

#### EXISTING SUBSURFACE DRAINAGE

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

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

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

01, TIED CONCRETE BLOCK MAT, TYPE 1 7 SQ. YD.	(
05, AGGREGATE DRAINS 50 FT.	F
11, 6" CONDUIT, TYPE F, AS PER PLAN 100 FT.	Λ
11, PRECAST REINFORCED CONCRETE OUTLET 4 EACH	F
05, 6" UNCLASSIFIED PIPE UNDERDRAINS, AS PER PLAN 100 FT.	

m N -585-WAY

12:17

DATE

E.

# of Wooster

Verifying with City

# **BENCHING OF FOUNDATION SLOPES**

AITHOUGH CROSS-SECTIONS INDICATE SPECIFIC DIMENSIONS FOR PROPOSED BENCHING OF THE EMBANKMENT FOUNDATIONS IN CERTAIN AREAS, NO WAIVER OF THE SPECIFICATIONS IS INTENDED. BENCH ALL OTHER SLOPED EMBANKMENT AREAS AS SET FORTH IN SECTION 203.05 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS (C&MS). NO ADDITIONAL PAYMENT WILL BE MADE FOR BENCHING REQUIRED UNDER THE PROVISIONS OF SECTION 203.05.

## 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, 701.51, 701.52 SDR35.

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

# POST CONSTRUCTION STORM WATER TREATMENT

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

# VEGETATED BIOFILTER

THIS PLAN UTILIZES VEGETATED BIOFILTERS FOR POST CONSTRUCTION STORM WATER TREATMENT. PLACE EITHER ITEM 660 SODDING OR ITEM 659 SEEDING AND MULCHING WITH A 4-INCH LIFT OF TOPSOIL AS SHOWN IN THE PLANS TO ANY DISTURBED AREA ON THE SHOULDER AND FORESLOPE DRAINING TO A VEGETATED BIOFILTER. THE DITCH FOR EACH VEGETATED BIOFILTER SHALL BE TRAPEZOIDAL, AS SHOWN IN THE PLAN CROSS SECTIONS. PROVIDE ITEM 670 AS SPECIFIED

## **VEGETATED FILTER STRIP**

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

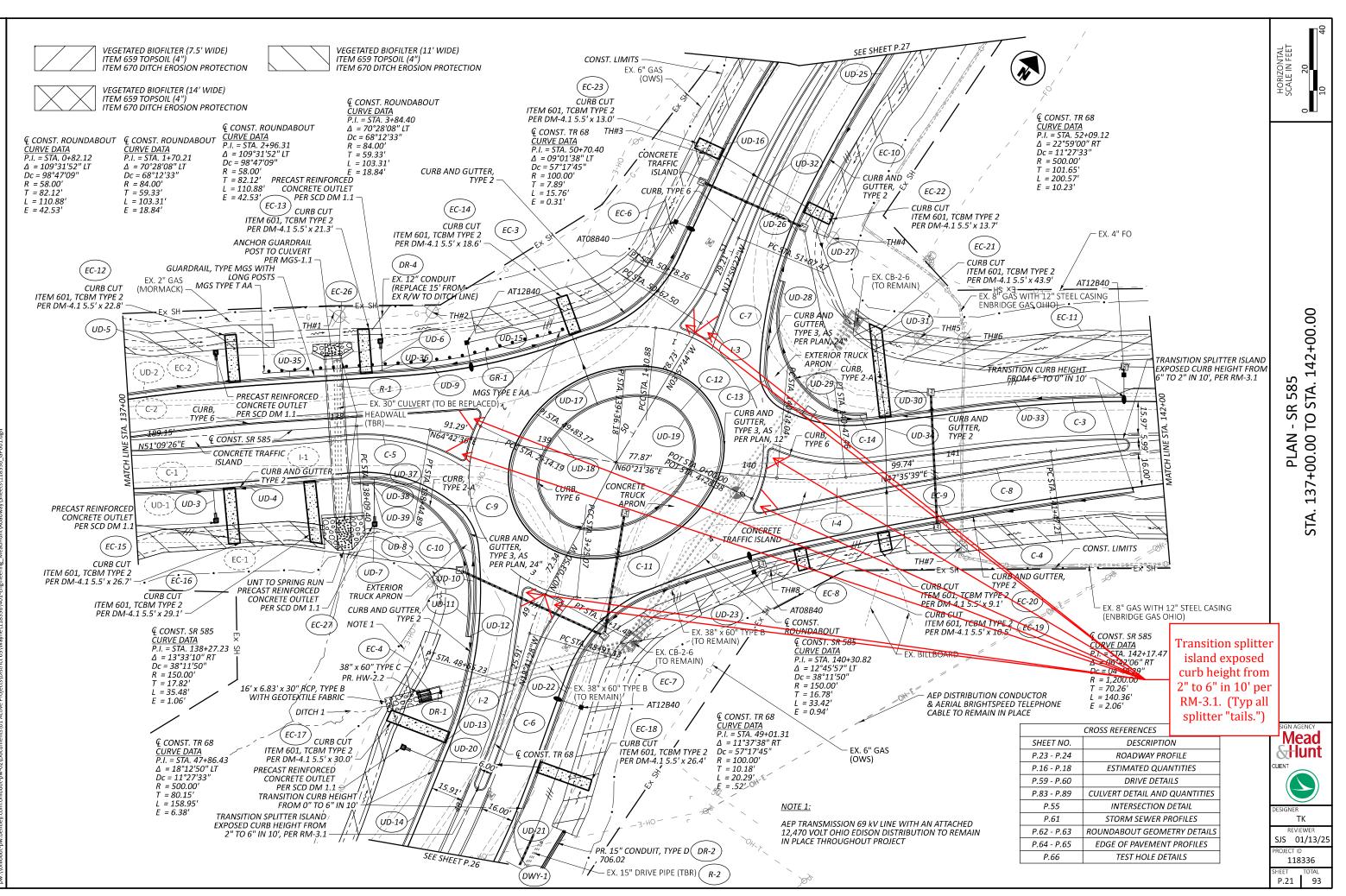
## OUPS NOTE

WHEN THE PROJECT BEGINS AND THE CONTRACTOR HAS TAKEN OVER THE MAINTENANCE OF THE EXISTING SYSTEM, THEY SHALL PROVIDE ALL REQUIRED LAYOUTS AND LOCATIONS OF ODOT'S EXISTING AND PROPOSED ELECTRICAL CIRCUITS WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL LOCATE AND MARK THESE UNDERGROUND ELECTRICAL CIRCUITS DURING THE DURATION OF THE PROJECT.

# ENVIRONMENTAL COMMITMENT PLAN NOTE

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 PROJECT PLANS.





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