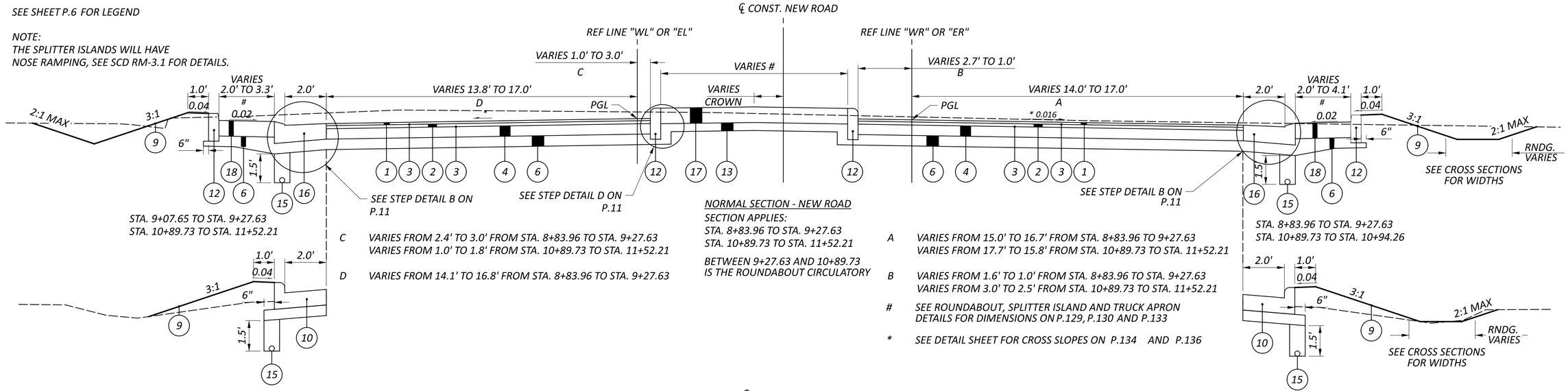
SEE SHEET P.6 FOR LEGEND

NOTE:
THE SPLITTER ISLANDS WILL HAVE
NOSE RAMPING, SEE SCD RM-3.1 FOR DETAILS.



C VARIES FROM 2.4' TO 3.0' FROM STA. 8+83.96 TO STA. 9+27.63
VARIES FROM 1.0' TO 1.8' FROM STA. 10+89.73 TO STA. 11+52.21

D VARIES FROM 14.1' TO 16.8' FROM STA. 8+83.96 TO STA. 9+27.63

NORMAL SECTION - NEW ROAD
SECTION APPLIES:
STA. 8+83.96 TO STA. 9+27.63
STA. 10+89.73 TO STA. 11+52.21

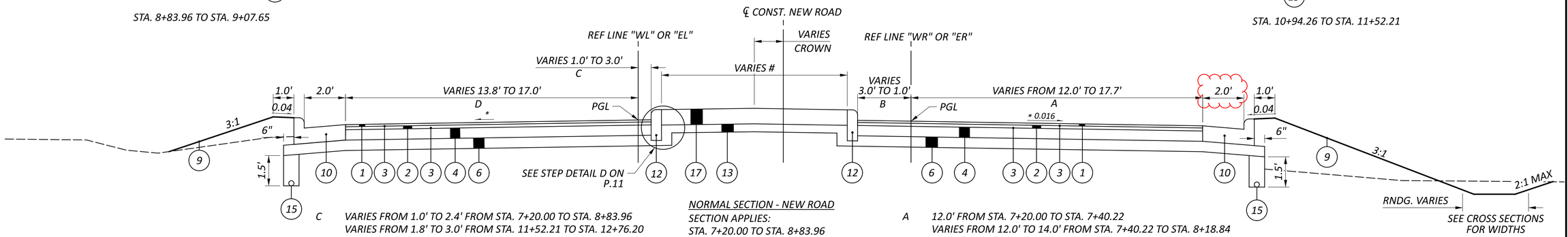
BETWEEN 9+27.63 AND 10+89.73
IS THE ROUNDABOUT CIRCULATORY

A VARIES FROM 15.0' TO 16.7' FROM STA. 8+83.96 TO 9+27.63
VARIES FROM 17.7' TO 15.8' FROM STA. 10+89.73 TO STA. 11+52.21

B VARIES FROM 1.6' TO 1.0' FROM STA. 8+83.96 TO STA. 9+27.63
VARIES FROM 3.0' TO 2.5' FROM STA. 10+89.73 TO STA. 11+52.21

SEE ROUNDABOUT, SPLITTER ISLAND AND TRUCK APRON DETAILS FOR DIMENSIONS ON P.129, P.130 AND P.133

* SEE DETAIL SHEET FOR CROSS SLOPES ON P.134 AND P.136



C VARIES FROM 1.0' TO 2.4' FROM STA. 7+20.00 TO STA. 8+83.96
VARIES FROM 1.8' TO 3.0' FROM STA. 11+52.21 TO STA. 12+76.20

D 12.0' FROM STA. 7+20.00 TO STA. 7+22.95
VARIES FROM 12.0' TO 14.1' FROM STA. 7+22.95 TO STA. 8+83.96
VARIES FROM 15.2' TO 14.0' FROM STA. 11+52.21 TO STA. 11+75.42
14.0' FROM STA. 11+75.42 TO STA. 12+60.88
VARIES FROM 14.0' TO 13.9' FROM STA. 12+60.88 TO STA. 12+76.20

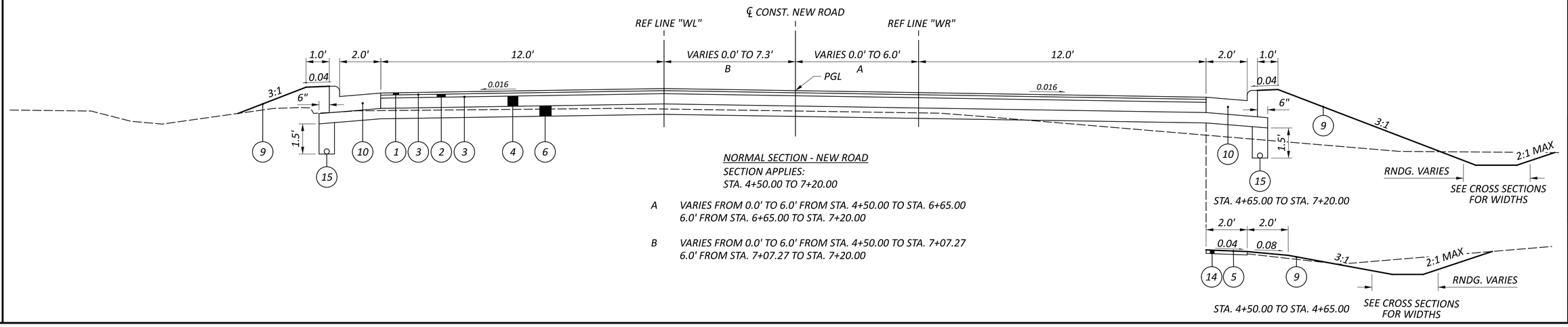
SEE ROUNDABOUT, SPLITTER ISLAND AND TRUCK APRON DETAILS FOR DIMENSIONS ON P.129, P.130 AND P.133

* SEE DETAIL SHEET FOR CROSS SLOPES ON P.134 AND P.136

NORMAL SECTION - NEW ROAD
SECTION APPLIES:
STA. 7+20.00 TO STA. 8+83.96
STA. 11+52.21 TO STA. 12+76.20

A 12.0' FROM STA. 7+20.00 TO STA. 7+40.22
VARIES FROM 12.0' TO 14.0' FROM STA. 7+40.22 TO STA. 8+18.84
14.0' FROM STA. 8+18.84 TO STA. 8+56.01
VARIES FROM 14.0' TO 15.0' FROM STA. 8+56.01 TO STA. 8+83.96
VARIES FROM 15.8' TO 14.0' FROM STA. 11+52.21 TO STA. 12+22.23
14.0' FROM STA. 12+22.23 TO 12+76.20

B VARIES FROM 3.0' TO 1.6' FROM STA. 7+20 TO STA. 8+83.96
VARIES FROM 2.5' TO 1.0' FROM 11+52.21 TO STA. 12+76.20



NORMAL SECTION - NEW ROAD
SECTION APPLIES:
STA. 4+50.00 TO 7+20.00

A VARIES FROM 0.0' TO 6.0' FROM STA. 4+50.00 TO STA. 6+65.00
6.0' FROM STA. 6+65.00 TO STA. 7+20.00

B VARIES FROM 0.0' TO 6.0' FROM STA. 4+50.00 TO STA. 7+07.27
6.0' FROM STA. 7+07.27 TO STA. 7+20.00

TYPICAL SECTIONS - NEW ROAD

DESIGN AGENCY
JMT
4215 Worth Ave Suite K-230
Columbus, OH 43219
DESIGNER SKG
REVIEWER BD 06/12/26
PROJECT ID 120083
SHEET P.10 TOTAL 182

MAH-46-13.55
MODEL: Sheet_SurvFt PAPERSIZE: 34x22 (in.) DATE: 10/22/2026 TIME: 11:18:06 AM USER: SGallagher
pw:\\jmt-pw.bentley.com:jmt-pw-01\Documents\Projects\2023\23-02825-001\120083\400-Engineering\Roadway\Sheets\120083_GY004.dgn

UTILITIES

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

CITY OF YOUNGSTOWN
ATTN: VINNY NATAL
26 SOUTH PHELPS STREET
YOUNGSTOWN, OH 44503
330-742-8765
330-301-9578
vnatal@youngstownohio.gov

MAHONING COUNTY SANITARY ENG
ATTN: PHILIP TATE
761 INDUSTRIAL ROAD
YOUNGSTOWN, OH 44509
(330) 793-5514 EXT. 8212
philip.tate@mahoningcountyoh.gov

ODOT 4 TRAFFIC
ATTN: DAVID C. KONEVAL
2088 SOUTH ARLINGTON ROAD
AKRON, OH 44306
(330) 786-2267
d04.oups.traffic@dot.ohio.gov

ELECTRIC:
OHIO EDISON
ATTN: TIM MARKULIN
730 SOUTH AVENUE
YOUNGSTOWN, OH 44502
(330) 786-3146
tmarkulin@firstenergycorp.com

GAS:
ENBRIDGE GAS OHIO DBA DOMINION ENERGY
ATTN: RYAN BOND
SUPERVISOR - GAS OPERATIONS
DISTRIBUTION DESIGN
320 SPRINGSIDE DRIVE
AKRON, OH 44333
(330) 807-2285 CELL
ryan.a.bond@dominionenergy.com

GAS:
OWS ACQUISITION CO.
ATTN: CHASE LASH
2321 ENERGY DRIVE SUITE 300
LOUISVILLE, OH 44641
(330) 602-5551
clash@owsacq.com

TELECOMMUNICATION:
ARMSTRONG CABLE
ATTN: ROB WOLTHERS
9328 WOODWORTH RD.
NORTH LIMA, OH 44452
(330) 953-0705 EXT. 224
rwolthers@agoc.com

TELECOMMUNICATION:
AT&T
ATTN: TORRICE ROBINSON
50 W BOWERY ST, FLOOR 6
ASHTABULA, OH 44004
P: (330) 384-9851
C: (330) 734-5117
tr3463@att.com

SURVEYING PARAMETERS - OHIO STATE PLANE NORTH

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

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

PROJECT CONTROL

POSITIONING METHOD:	STATIC
MONUMENT TYPE:	B

VERTICAL POSITIONING

ORTHOMETRIC HEIGHT DATUM:	NAVD 88
GEOID:	2018

HORIZONTAL POSITIONING

REFERENCE FRAME:	NAD 83 (2011) (EPOCH: 2010.0000)
ELLIPSOID:	GRS80
MAP PROJECTION:	SIGNAL PARALLEL LAMBERT CONIC CONFORMAL
COORDINATE SYSTEM:	_____
COMBINED SCALE FACTOR:	1.000041
ORIGIN OF COORDINATE SYSTEM:	N 41-09-00 E 279-15-00

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

UNITS ARE IN U.S. SURVEY FEET.

CONSTRUCTION NOISE

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 9 PM AND 6 AM. 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.

MONUMENT ASSEMBLIES

CONSTRUCT MONUMENT ASSEMBLIES IN ACCORDANCE WITH THE DETAILS SHOWN ON THE STANDARD CONSTRUCTION DRAWINGS AND AT THE LOCATIONS SHOWN ON P.14, 20 & 24 OF THE RIGHT-OF-WAY PLANS

ITEM 623 - MONUMENT ASSEMBLY, TYPE C 3 EACH

CLEARING AND GRUBBING

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

SEEDING AND MULCHING

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

659, TOPSOIL	1328 CY
659, SEEDING AND MULCHING	11964 SY
659, REPAIR SEEDING AND MULCHING	598 SY
659, INTER-SEEDING	598 SY
659, COMMERCIAL FERTILIZER	1.67 TON
659, LIME	2.47 ACRE
659, WATER	66 MGAL

APPLY SEEDING AND MULCHING TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

ROUNDING

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

ITEM 204 - PROOF ROLLING

THE FOLLOWING QUANTITY IS PROVIDED IN THE GENERAL SUMMARY TO ADDRESS LOCATIONS REQUIRING PROOF ROLLING. SEE PLAN SHEET NO. P.6 - P.11 FOR ADDITIONAL INFORMATION.

ITEM 204 - PROOF ROLLING 13 HOUR

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 BIOFILTER(S) FOR POST CONSTRUCTION STORM WATER TREATMENT. PLACE EITHER 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 IN THE PLANS.

ITEM 609 - COMBINATION CURB AND GUTTER TYPE 9, AS PER PLAN

THE ITEM 609 TYPE 9 CURB, AS PER PLAN, SHALL FOLLOW ALL OF THE SPECIFICATIONS OF 609 AND SCD BP-5.1, EXCEPT THAT THE WIDTH OF THE GUTTER SHALL BE 2.0', THE CURB HEIGHT SHALL BE 2", AND THE SLOPE SHALL BE 2.00%. FOR MORE INFORMATION, SEE DETAIL B ON SHEET P.11.

EXISTING PLANS

EXISTING PLANS ENTITLED MAH-46-13.48 MAY BE INSPECTED IN THE ODOT DISTRICT 4 OFFICE IN AKRON.

WORK LIMITS

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

ITEM 617 - COMPACTED AGGREGATE, AS PER PLAN

IN LOW SHOULDER AREAS EXCEEDING 1", OR AS DIRECTED BY THE ENGINEER, RECYCLED ASPHALT PAVEMENT (RAP) SHALL BE USED IN AREAS ADJACENT TO THE PAVED BERM. THE RAP SHALL HAVE A MINIMUM PG CONTENT OF 4.5% AND MEET THE FOLLOWING GRADATION. ONCE THE STOCKPILE MEETS THE GRADATION, THE PG CONTENT OF THE RAP SHALL BE DETERMINED PER 441.03. THE RAP ANALYSIS MUST BE SUBMITTED TO THE ENGINEER FOR APPROVAL 2 WEEKS PRIOR TO USE. METHOD OF MEASUREMENT SHALL BE AS PER 617.06. PLACEMENT AND COMPACTION SHALL MEET THE REQUIREMENTS OF ITEM 617. ALL MATERIALS, LABOR, EQUIPMENT, TOOLS AND INCIDENTALS NECESSARY TO COMPLETE THE WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 617 COMPACTED AGGREGATE, AS PER PLAN.

MODIFIED GRADATION SHALL APPLY:

SIEVE	TOTAL PERCENT PASSING
1- 1/2"	100
3/4"	50-100
NO. 4	35-70
NO. 30	9-33
NO. 200	0-13

MANHOLES, CATCH BASINS AND INLETS REMOVED OR ABANDONED

CAREFULLY REMOVE AND STORE ALL CASTINGS WITHIN THE RIGHT OF WAY FOR SALVAGE BY ODOT DISTRICT 4 MAINTENANCE STAFF. CONTACT ANDY JACKSON (330-786-4843) WHEN READY FOR PICKUP.

PAYMENT FOR ALL OF THE ABOVE IS INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 202 ITEM.

GENERAL NOTES

DESIGN AGENCY
JMT
4215 Worth Ave Suite A-220
Columbus, OH 43219

DESIGNER CO
REVIEWER BD 06/12/26
PROJECT ID 120083
SHEET P.12 TOTAL 182

MAH-46-13.55

MODEL: Sheet_SurvFt PAPERSIZE: 34x22 (in.) DATE: 10/22/2026 TIME: 1:39:52 PM USER: SGallagher
pw:\\jmt-pw.bentley.com:jmt-pw-01\Documents\Projects\2023\23-02825-001\120083\400-Engineering\Roadway\Sheets\120083_GN001.dgn

ITEM 452 - 4" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P, AS PER PLAN
ITEM 452 - 9" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P, AS PER PLAN

THIS WORK SHALL CONSIST OF CONSTRUCTING THE CONCRETE INCLUDING A DYED COLORING FOR THE ROUNDABOUT SPLITTER ISLANDS AND TRUCK APRON(S).

MATERIALS:

A. CONCRETE SHALL BE IN ACCORDANCE WITH THE PLANS AND SECTION 452 OF THE ODOT CMS. CONCRETE SHALL BE CLASS QC 1P.

B. FOLLOW THE MANUFACTURER'S MIXING AND INSTALLATION REQUIREMENTS FOR COLORIZED CONCRETE. PROVIDE ONE OF THE FOLLOWING OR APPROVED EQUAL:

a. COLORFLO 417 "PAVER RED" AS MANUFACTURED BY SOLOMON COLORS (1-800-624-0261)
b. MIX-READY 160 "BRICK RED" AS MANUFACTURED BY DAVIS COLORS (1-844-341-4780 EXT. 1)
c. SIKACOLOR U33 "HAMPSHIRE RED" AS MANUFACTURED BY SIKA CORPORATION (1-201-933-8800)

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 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 IN MATCHING COLOR.

E. ADMIXTURES: DO NOT USE CALCIUM CHLORIDE ADMIXTURES.

CONSTRUCTION REQUIREMENTS:

A. PROVIDE ONE FIELD SAMPLE OF THE COLOR SPECIFIED FOR APPROVAL BY THE ENGINEER BEFORE BEGINNING WORK. THE SAMPLE SHALL BE 4'x8' MINIMUM IN SIZE AND BE CONSTRUCTED USING THE SAME TECHNIQUE AND MATERIALS INTENDED FOR THE FINAL PAVED SURFACE.

B. PREPARE SUBGRADE AND INSTALL COLORED CONCRETE IN ACCORDANCE WITH THE PLANS AND SECTION 452 OF THE ODOT C&MS, EXCEPT AS NOTED HEREIN.

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.

G. TRANSVERSE CONCRETE JOINTS SHALL BE SAWCUT AT 10' INTERVALS MEASURED PERPENDICULAR TO THE CENTERLINE OF THE ROAD TO A MINIMUM OF 2" DEPTH. DOWELS ARE NOT REQUIRED AT THE JOINTS.

PAYMENT WILL INCLUDE THE COST OF FURNISHING AND PLACING ALL OF THE MATERIALS, FINISHING, AND TESTING. ODOT WILL PAY FOR ACCEPTED QUANTITIES AT THE CONTRACT PRICE PER SQUARE YARD FOR ITEM 452 - 9" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P, AS PER PLAN AND FOR ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P, AS PER PLAN.

ITEM SPECIAL - FILTER FABRIC, HEAVY DUTY
ITEM 203 - ROADWAY MISC.: #4 WASHED LANDSCAPE GRAVEL, (T = 4")

PROVIDE #4 SIZE AGGREGATE IN ACCORDANCE WITH C&MS 703 AND TABLE 703-01-1 THAT HAS BEEN WASHED TO REMOVE DIRT AND DEBRIS. PLACE THE MATERIAL OVER THE FILTER FABRIC TO A DEPTH OF 4" THICK AND RAKE THE GRAVEL LEVEL TO ENSURE EVEN DEPTH.

PAVEMENT RESURFACING

RESURFACING OF THE ROADWAY BETWEEN STATION 151+50.00 TO 164+21.64 SHALL BE COMPLETED WITH THE PAVEMENT BUILD UP SHOWN ON TYPICAL SECTIONS SHEET P.9. THIS WORK IS NOT SHOWN IN PLANS AND CROSS SECTIONS.

THE FOLLOWING QUANTITIES HAVE BEEN PROVIDED FOR THE PAVEMENT RESURFACING OF THE ROADWAY BETWEEN STA. 151+50.00 TO 164+21.64

ITEM 897 - PAVEMENT PLANING, ASPHALT CONCRETE, CLASS A (T=1 1/4")	8455 SY
ITEM 424 - FINE GRADED POLYMER ASPHALT CONCRETE, TYPE B, (448) (T=1 1/4")	294 CY
ITEM 407 - NON-TRACKING TACK COAT	677 GAL
ITEM 611 - CATCH BASIN ADJUSTED TO GRADE	9 EACH
ITEM 638 - VALVE BOX ADJUSTED TO GRADE	1 EACH
ITEM 623 - MONUMENT ASSEMBLY ADJUSTED TO GRADE	1 EACH

ENDANGERED SPECIES HABITAT

INDIANA BAT/NORTHERN LONG-EARED BAT/TRI-COLORED BAT: THE PROJECT SITE IS LOCATED WITHIN THE KNOWN HABITAT RANGES OF THE FEDERALLY LISTED AND PROTECTED INDIANA BAT, NORTHERN LONG-EARED BAT AND TRI-COLORED BAT. NO TREES SHALL BE REMOVED AT THIS LOCATION FROM APRIL 1 THROUGH SEPTEMBER 30. ALL NECESSARY TREE REMOVAL SHALL OCCUR FROM OCTOBER 1 THROUGH MARCH 31. 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.

ITEM SPECIAL - RESTORE TIMBER AND MULCH

RESTORE THE TIMBER AND MULCH AROUND THE TOWNSHIP SIGN AT STA. 137+51.86 OF ℄ CONST. SR-46 AFTER THE PIPE INSTALLATION, AND RESTORE THE TIMBER AND MULCH AROUND THE BUSINESS SIGN AT STA. 164+17.35 OF ℄ CONST. SR-46 AFTER CONSTRUCTION.

ALL MATERIALS, LABOR, EQUIPMENT, TOOLS, AND INCIDENTALS NECESSARY TO COMPLETE THIS WORK SHALL BE INCLUDED IN THE LUMP SUM BID ITEM.

WETLAND AVOIDANCE

NO EXCAVATION, GRADING, OR FILLING OPERATIONS SHALL BE PERFORMED IN WETLAND 1 OR WETLAND 5 DELINEATED BEYOND THE PROJECT CONSTRUCTION LIMITS AND DEPICTED IN THE PROJECT PLANS AND/OR THE ECOLOGICAL RESOURCES MAPPING AVAILABLE FOR VIEWING AT THE ODOT DISTRICT 4 OFFICE LOCATED AT 2088 SOUTH ARLINGTON ROAD, AKRON, OHIO. A FILTER FABRIC FENCE AND TEMPORARY CONSTRUCTION FENCE PER SUPPLEMENTAL SPECIFICATION 832 SHALL BE INSTALLED, MAINTAINING A 1 FOOT BUFFER BETWEEN THE FENCE AND THE WETLAND BOUNDARY PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITIES AND SHALL BE MAINTAINED BY THE CONTRACTOR THROUGHOUT PROJECT CONSTRUCTION. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR STORE EQUIPMENT (LIFT, BACKHOE, EARTH MOVING EQUIPMENT, ETC.) AND/OR MATERIALS IN ANY WETLANDS, ETC. ODOT CONSTRUCTION AND MATERIALS SPECIFICATIONS SECTION 107.10 (PROTECTION OF PROPERTY) PROHIBIT THE CONTRACTOR FROM CREATING STAGING AREAS NEAR STREAMS AND/OR WETLANDS.

ITEM SPECIAL – SURVEY CONTROL VERIFICATION

THE CONTRACTOR SHALL PERFORM THIS WORK TO VERIFY THE PROVIDED SURVEY CONTROL. THE CONTRACTOR WILL PERFORM THE VERIFICATION USING ONE OF THE TWO METHODS BELOW DEPENDENT UPON THE CONTRACTOR'S CHOSEN MEANS OF SURVEY CONTROL TO BE USED ON THE PROJECT. THE WORK SHALL BE PERFORMED UNDER THE DIRECT SUPERVISION OF AN OHIO LICENSED SURVEYOR.

1) IF USING GPS DEVICES TO ESTABLISH AND OR PROVIDE SUPPLEMENTAL HORIZONTAL AND VERTICAL SURVEY CONTROL

a. LOCATE VERTICAL CONTROL POINTS PROVIDED IN THE PLANS AND PERFORM A DIFFERENTIAL LEVEL CIRCUIT.
b. PERFORM A SITE CALIBRATION UTILIZING THE AVAILABLE HORIZONTAL AND VERTICAL CONTROL POINTS PROVIDED IN THE PLAN.
c. PROVIDE A REPORT, SIGNED BY AN OHIO LICENSED SURVEYOR, TO THE PROJECT ENGINEER COMPARING THE OBSERVED DATA TO THE PLAN DATA ALONG WITH A NARRATIVE DETAILING ANY DISCREPANCIES FOUND.

2) IF USING CONVENTIONAL SURVEY INSTRUMENTATION TO ESTABLISH AND OR PROVIDE SUPPLEMENTAL HORIZONTAL AND VERTICAL SURVEY CONTROL

a. LOCATE VERTICAL CONTROL POINTS PROVIDED IN THE PLANS AND PERFORM A DIFFERENTIAL LEVEL CIRCUIT.
b. LOCATE AND OBSERVE ANGLE AND DISTANCE TO ALL AVAILABLE HORIZONTAL CONTROL POINTS PROVIDE IN THE PLAN
c. PROVIDE A REPORT, SIGNED BY AN OHIO LICENSED SURVEYOR, TO THE PROJECT ENGINEER COMPARING THE OBSERVED DATA TO THE PLAN DATA ALONG WITH A NARRATIVE DETAILING ANY DISCREPANCIES FOUND.

ALL MATERIALS, LABOR, EQUIPMENT, TOOLS, AND INCIDENTALS NECESSARY TO COMPLETE THIS WORK SHALL BE INCLUDED IN THE LUMP SUM BID ITEM.

STREAM AVOIDANCE

NO FILL MATERIAL (INCLUDING ROCK, COFFERDAMS, ETC.) SHALL BE PLACED BELOW THE ORDINARY HIGH-WATER MARK (OHWM) OF STREAM 1 DEPICTED IN THE PROJECT PLANS AND/OR THE ECOLOGICAL RESOURCES MAPPING AVAILABLE FOR VIEWING AT THE ODOT DISTRICT 4 OFFICE LOCATED AT 2088 SOUTH ARLINGTON ROAD, AKRON, OHIO. UNDER NO CIRCUMSTANCES SHALL ANY MECHANICAL EQUIPMENT (LIFT, SCAFFOLDING, BACKHOE, EARTH MOVING EQUIPMENT, ETC.) AND/OR MATERIALS ENTER STREAM 1. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PREVENT DEMOLITION DEBRIS, CONSTRUCTION MATERIALS, WASTE MATERIALS, WATER CHEMICALS OR OTHER SUBSTANCES USED TO CONSTRUCT THE PROJECT FROM ENTERING THIS STREAM.

ITEM SPECIAL - AS-BUILT CONSTRUCTION PLANS

PRIOR TO FINAL ACCEPTANCE OF THE WORK, THE CONTRACTOR SHALL FURNISH THE DEPARTMENT FORMAL AS-BUILT CONSTRUCTION PLANS. THE FORMAL AS-BUILT CONSTRUCTION PLANS SHALL INCLUDE ALL RED-LINED CHANGES. RED-LINE CHANGE SHALL BE DENOTED UTILIZING CLOUDING IN MICROSTATION (OR OTHER CAD SOFTWARE) OR CLOUDING IN PDF EDITING SOFTWARE. THE AS-BUILT CONSTRUCTION PLANS SHALL HAVE A SIGNED VERIFICATION ON THE TITLE SHEET FROM THE CONTRACTOR INDICATING THAT ALL RED-LINED AND FIELD CHANGES HAVE BEEN INCORPORATED INTO AS-BUILT CONSTRUCTION PLANS. THE CONTRACTOR'S VERIFICATION STATEMENT INDICATES ALL KNOWN FIELD MODIFICATIONS MADE HAVE BEEN INCLUDED IN THE FORMAL AS-BUILT CONSTRUCTION PLANS. THE CONTRACTOR'S VERIFICATION STATEMENT SHALL BE SIGNED BY THE CONTRACTOR'S PROJECT MANAGER (OR ACCEPTABLE REPRESENTATIVE). IN ADDITION TO THE INFORMATION SHOWN ON THE CONSTRUCTION PLANS, THE ASBUILT CONSTRUCTION PLANS SHALL SHOW THE FOLLOWING:

1. ALL DEVIATIONS FROM THE ORIGINAL APPROVED CONSTRUCTION PLANS WHICH RESULT IN A CHANGE OF LOCATION, MATERIAL, TYPE OR SIZE OF WORK.
2. ANY UTILITIES, PIPES, WELLHEADS, ABANDONED PAVEMENTS, FOUNDATIONS OR OTHER MAJOR OBSTRUCTIONS DISCOVERED AND REMAINING IN PLACE WHICH ARE NOT SHOWN, OR DO NOT CONFORM TO LOCATIONS OR DEPTHS SHOWN IN THE PLANS. UNDERGROUND FEATURES SHALL BE SHOWN AND LABELED ON THE AS-BUILT CONSTRUCTION PLANS IN TERMS OF STATION, OFFSET AND ELEVATION.
3. THE FINAL OPTION AND SPECIFICATION NUMBER SELECTED FOR THOSE ITEMS WHICH ALLOW SEVERAL MATERIAL OPTIONS UNDER THE SPECIFICATION (E.G., CONDUIT).
4. CHANGES TO THE PAY ITEMS AND FINAL QUANTITIES AS PAID SHALL BE SHOWN ON THE GENERAL SUMMARY AND SUBSUMMARIES.
5. ADDITIONAL PLAN SHEETS MAY BE NEEDED IF NECESSARY TO SHOW WORK NOT INCLUDED IN THE CONSTRUCTION PLANS. IF ADDITIONAL PLAN SHEETS ARE NEEDED, THEY ARE REQUIRED TO BE PREPARED IN CONFORMANCE WITH THE LOCATION AND DESIGN MANUAL, VOLUME 3, SECTION 1200 - PLAN PREPARATION.

NOTATION SHALL ALSO BE MADE OF LOCATIONS AND THE EXTENT OF USE OF MATERIALS, OTHER THAN SOIL, FOR EMBANKMENT CONSTRUCTION (ROCK, BROKEN CONCRETE WITHOUT REINFORCING STEEL, ETC.). THE PLAN INDEX SHALL SHOW THE PLAN SHEETS WHICH HAVE CHANGES APPEARING ON THEM. TWO COPIES OF THE AS-BUILT CONSTRUCTION PLANS SHALL BE DELIVERED TO THE PROJECT ENGINEER FOR APPROVAL UPON COMPLETION OF THE PHYSICAL WORK BUT PRIOR TO THE REQUEST FOR FINAL PAYMENT. AFTER THE DEPARTMENT HAS APPROVED THE AS-BUILT CONSTRUCTION PLANS, THE ASSOCIATED ELECTRONIC FILES SHALL BE DELIVERED TO THE DISTRICT CAPITAL PROGRAMS ADMINISTRATOR. ACCEPTANCE OF THESE PLANS AND DELIVERY OF THE ASSOCIATED ELECTRONIC FILES IS REQUIRED PRIOR TO THE WORK BEING ACCEPTED AND THE FINAL ESTIMATE APPROVED.

PAYMENT FOR ALL THE ABOVE SHALL BE LUMP SUM UPON PROPER EXECUTION OF ALL WORK OF THIS ITEM AS DETERMINED BY THE PROJECT ENGINEER.

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REVIEWER BD 06/12/26
PROJECT ID 120083
SHEET P.15 TOTAL 182