PRESERVATION PARKS OF DELAWARE COUNTY MCCAMMON CREEK PARK EAST AREA PARKING LOT AND PEDESTRIAN BRIDGE PROJECT

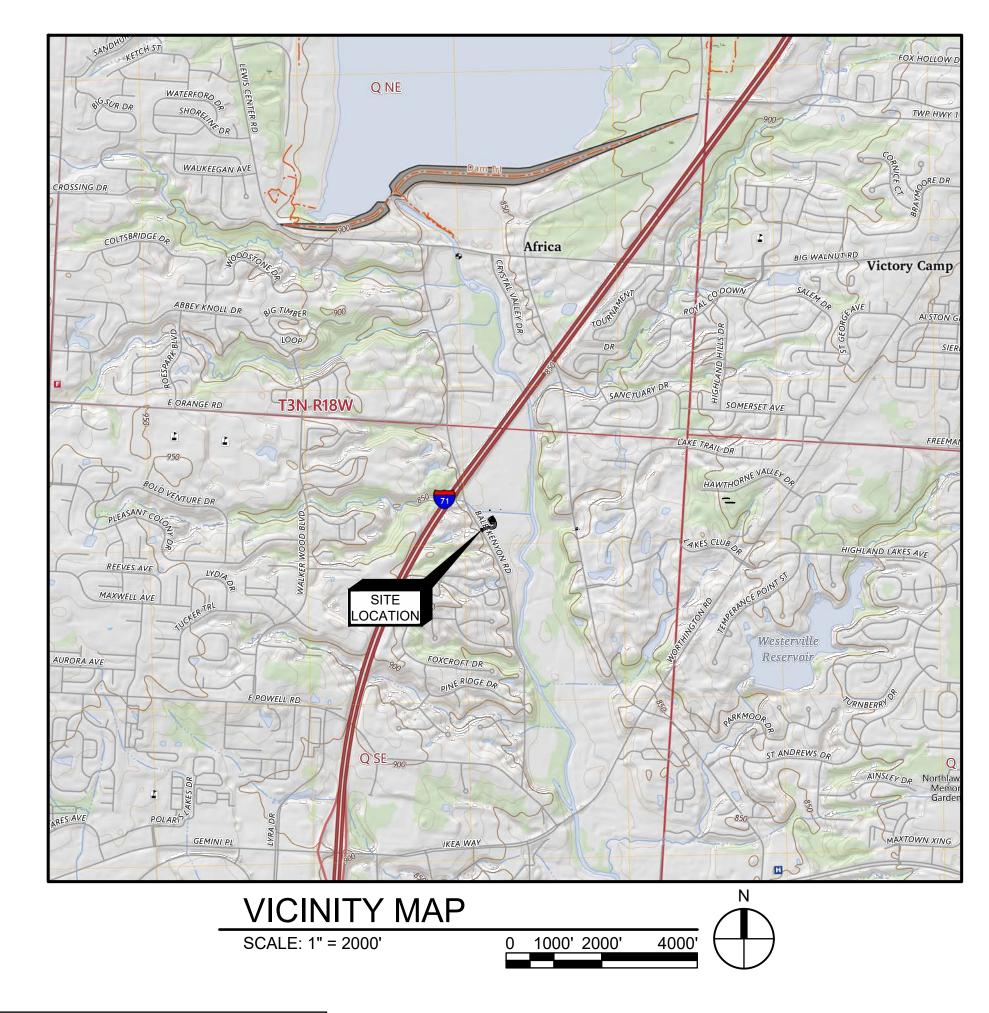
JUNE 2025

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PROJECT ENGINEER

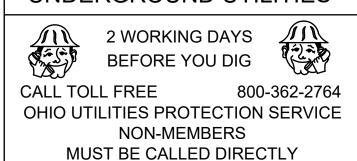
BRIAN W. TORNES PHONE (614) 459-2050

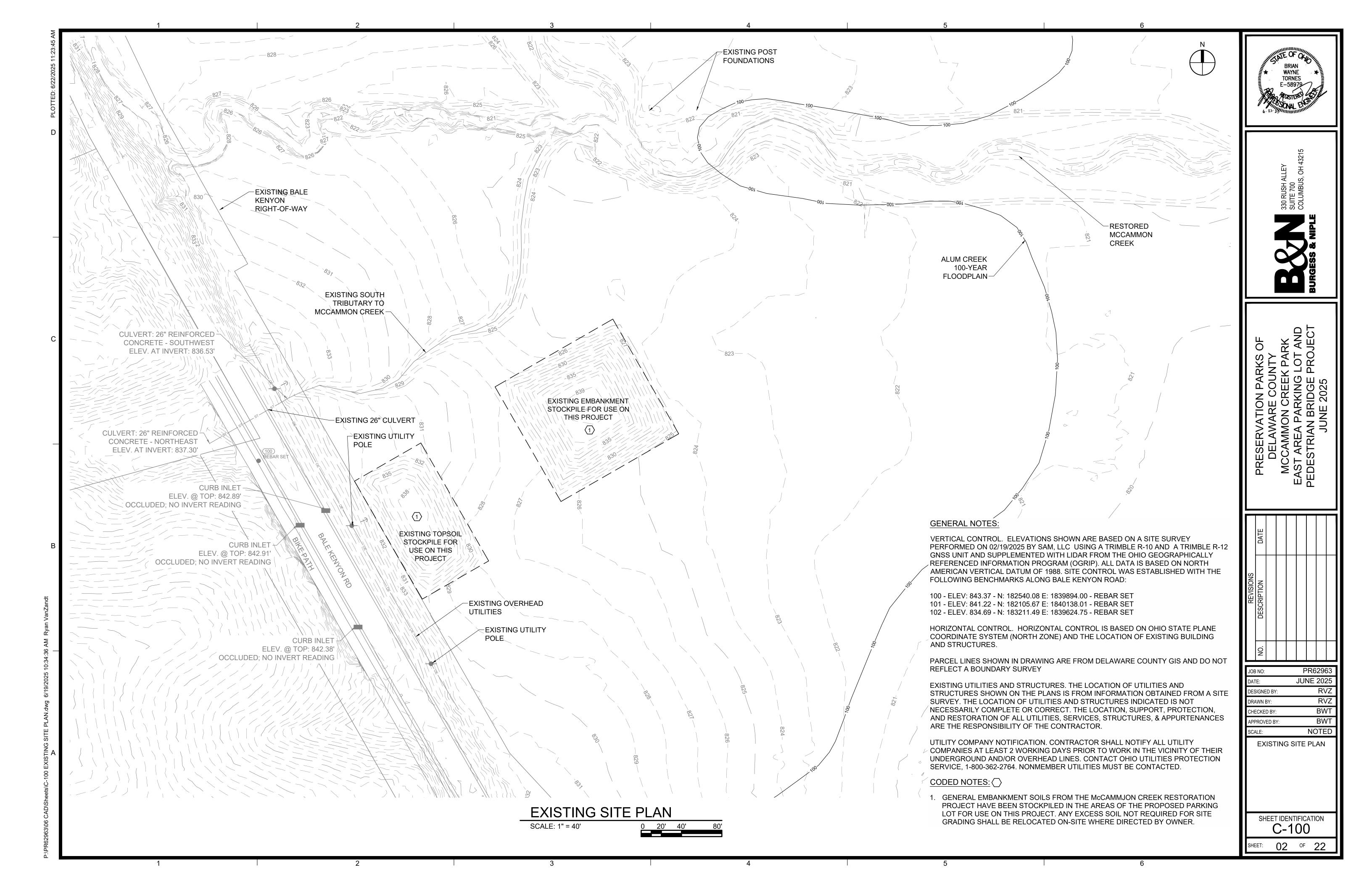


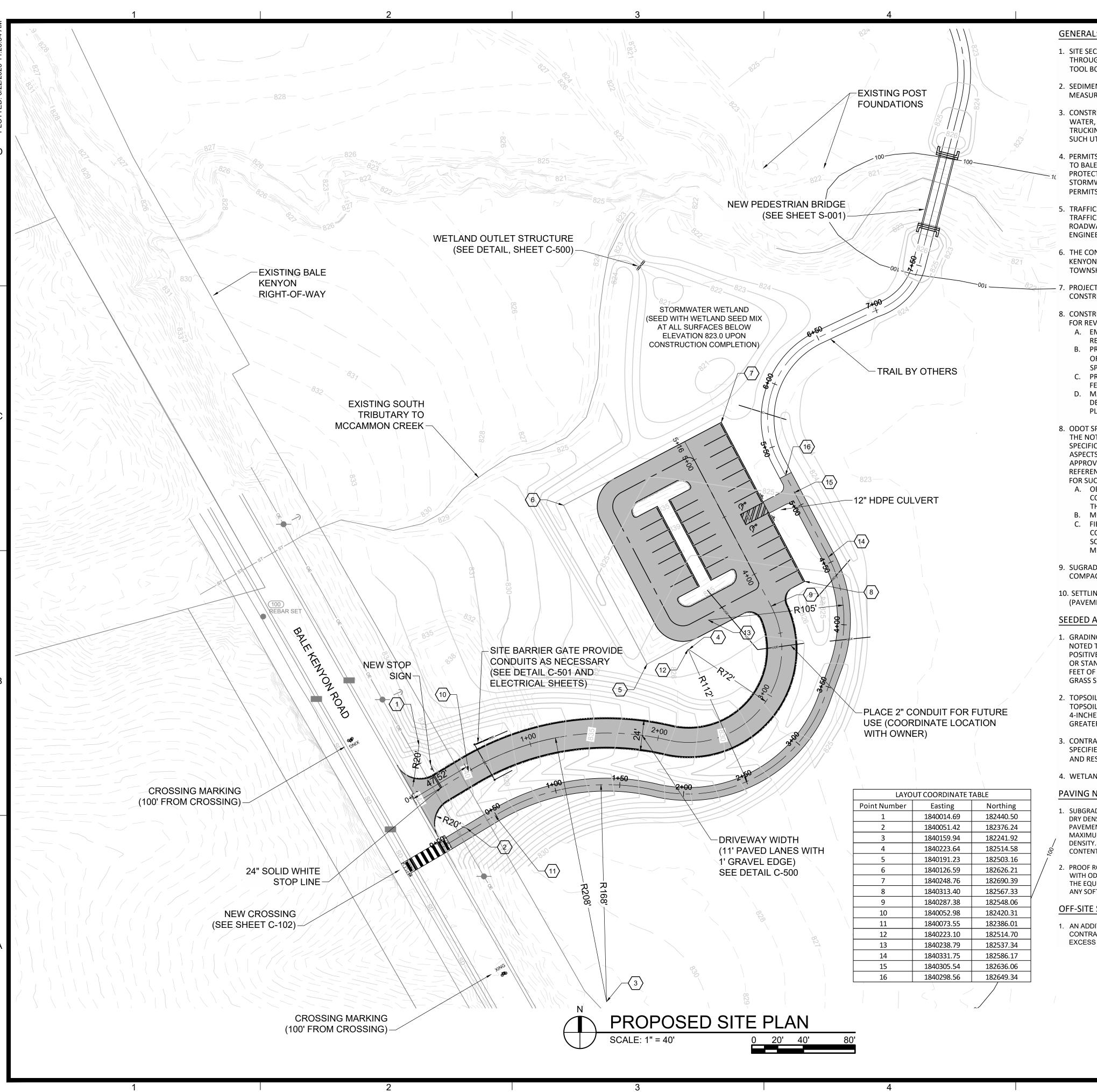


SITE LOCATION
Parcel ID: 31841201004000
Lewis Center, OH 43035









- 1. SITE SECURITY AND SAFETY. CONTRACTOR IS SOLELY RESPONSIBLE FOR SITE SECURITY AND SAFETY WITHIN THE WORK LIMITS THROUGH OUT CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE BARRICADES, CONSTRUCTION FENCING, SIGNAGE, SECURED TOOL BOXES AND STORAGE CONTAINERS AS NECESSARY TO SECURE THE SITE AND THEIR EQUIPMENT/TOOLS
- 2. SEDIMENT AND EROSION CONTROL. CONTRACTOR SHALL FURNISH AND INSTALL THE SITE SEDIMENT AND EROSION CONTROL MEASURES PRIOR TO COMMENCEMENT OF EARTH MOVING ACTIVITIES AS SHOWN ON SHEET C-104.
- 3. CONSTRUCTION UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL TEMPORARY UTILITIES (PHONE, ELECTRIC, WATER, SEWER, GAS) AS NECESSARY FOR THEM TO COMPLETE THE PROJECT AS SHOWN. ALL TEMPORARY UTILITY EXTENSIONS, TRUCKING COSTS, TAP FEES, SERVICE FEES, GENERATORS, STORAGE TANKS, AND OTHER COSTS ASSOCIATED WITH PROVIDING SUCH UTILITIES TO THE JOB SITE SHALL BE AT THE CONTRACTORS EXPENSE AND INCLUDED IN THE PRICE BID FOR THE WORK.
- 4. PERMITS. APPROVALS WILL BE OBTAINED FROM THE COUNTY ENGINEER'S OFFICE FOR THE PROPOSED DRIVEWAY CONNECTION TO BALE KENYON ROAD AND MANAGEMENT OF STORMWATER ON THE SITE. COVERAGE UNDER THE OHIO ENVIRONMENTAL PROTECTION AGENCY'S GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT FOR CONSTRUCTION STORMWATER DISCHARGE WILL ALSO BE OBTAINED. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THESE PERMITS/APPROVALS AS SHOWN ON THE PLANS OR SPECIFIED WITHIN THE PERMITS/APPROVALS.
- 5. TRAFFIC CONTROL. FOR THE DRIVEWAY CONNECTION TO BALE KENYON ROAD, THE CONTRACTOR SHALL PROVIDE TEMPORARY TRAFFIC CONTROL, INCLUDING SIGNS AND FLAGGERS AS APPROPRIATE WHEN WORKING WITHIN 10 FT. OF THE BALE KENYON ROADWAY. APPROVAL OF THE PROPOSED TRAFFIC CONTROL PLAN SHALL BE OBTAINED FROM THE DELAWARE COUNTY
- 6. THE CONTRACTOR IS RESPONSIBLE FOR DEVELOPING A MAINTENANCE OF TRAFFIC PLAN FOR ALL WORK IN OR ADJACENT TO BALE KENYON ROAD AND SHALL OBTAIN NECESSARY PERMITS/APPROVALS FROM THE COUNTY ENGINEER'S OFFICE AND ORANGE TOWNSHIP PRIOR TO WORK WITHIN THE ROAD RIGHT OF WAY.
- PROJECT MEETINGS. CONTRACTOR SHALL CONDUCT WEEKLY CONSTRUCTION PROGRESS MEETINGS WITH THE OWNER TO REVIEW CONSTRUCTION PROGRESS, QUESTIONS OR ISSUES THAT HAVE BEEN IDENTIFIED, AND THE ANTICIPATED WORK SCHEDULE.
- 8. CONSTRUCTION SUBMITTALS. CONTRACTOR SHALL SUBMIT ELECTRONICALLY IN .PDF FORMAT TO THE OWNER AND/OR ENGINEER FOR REVIEW THE FOLLOWING CONSTRUCTION SUBMITTALS:
- A. EMBANKMENT AND BACKFILL FIELD DENSITY AND COMPACTION TEST RESULTS/REPORTS FROM A TESTING LABORATORY RETAINED BY THE CONTRACTOR THAT IS APPROVED BY THE OWNER.
- B. PROPOSED AGGREGATE AND ASPHALT MATERIAL PRODUCT DATA SHEETS, INCLUDING CONFIRMATION OF ODOT APPROVAL OF ACCEPTANCE/CONFORMANCE OF THE PROPOSED SUPPLIER AND MATERIAL WITH THE APPROPRIATE ODOT SPECIFICATIONS FOR EMBANKMENT, AGGREGATES, ASPHALT SEED/MULCH, GEOTEXTILES, AND PAVEMENT MARKINGS.
- C. PROPOSED MATERIALS AND INSTALLATION SHOP DRAWINGS FOR THE SIGNS, GUARD POSTS, STORM SEWERS, SEEDING, SILT FENCING, PAVEMENT MARKING,
- D. MARKED-UP CONSTRUCTION DRAWINGS SHOWING THE AS-BUILT CONDITIONS INCLUDING CHANGES TO THE ORIGINAL DESIGN AND ANY UTILITIES OR ITEMS DISCOVERED DURING CONSTRUCTION THAT WERE NOT SHOWN ON THE ORIGINAL
- 8. ODOT SPECIFICATIONS. THE REFERENCED ODOT SPECIFICATION ITEM NUMBERS, INCLUDING THOSE CROSS REFERENCED WITHIN THE NOTED ODOT ITEM NUMBER, SHALL BE WITHIN THE LATEST EDITION OF ODOT CONSTRUCTION AND MATERIAL SPECIFICATIONS AND CONSIDERED A PART OF THESE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL COMPLY WITH ALL ASPECTS OF THE REFERENCED ODOT SPECIFICATIONS EXCEPT THAT THE CONTRACTOR SHALL BE RESPONSIBLE FOR RETAINING AN APPROVED MATERIALS TESTING LABORATORY THAT IS ACCEPTABLE TO THE OWNER. THE COSTS FOR ALL MATERIAL TESTING REFERENCED IN THE ODOT SPECIFICATIONS SHALL BE COMPLETED BY THE CONTRACTOR'S TESTING LABORATORY AND THE COSTS FOR SUCH TESTING INCLUDED IN THE CONTRACTOR'S BID. AT A MINIMUM THIS SHALL INCLUDE THE FOLLOWING:
- A. OBSERVATION BY A REPRESENTATIVE OF THE TESTING LABORATORY CONTINUOUSLY DURING ALL PLACEMENT AND COMPACTION ACTIVITIES ARE OCCURRING ON-SITE, INCLUDING PAVING OPERATIONS, TO DETERMINE COMPLIANCE WITH THESE PLANS AND SPECIFICATIONS.
- B. MOISTURE DENSITY RELATIONSHIP OF ALL MATERIALS TO BE COMPACTED.
- FIELD MOISTURE AND DENSITY (ASTM D 1556 OR D 2922) OF THE PAVED AREAS TO VERIFY THE STRENGTH AND DEGREE OF COMPACTION BEING OBTAINED. CONDUCT SUCH TEST AT A MINIMUM OF ONE FIELD DENSITY TEST FOR EVERY 2,000 SQUARE FEET, BUT IN NO CASE LESS THAN THREE. FOR EMBANKMENTS ONE FIELD DENSITY TEST SHALL BE CONDUCTED AT A MINIMUM OF ONCE EVERY 50 CUBIC YARDS OR FRACTION THEREOF BEING INSTALLED, AND AT LEAST ONE TEST PER LIFT.
- 9. SUGRADE PREPARATION. IF THE SUBGRADE, BACKFILL, OR EMBANKMENT IS BELOW SPECIFIED DENSITY PROVIDE ADDITIONAL COMPACTION AND TESTING AT NO ADDITIONAL COST TO THE OWNER.
- 10. SETTLING. WHERE SETTLING IS MEASURABLE OR OBSERVABLE DURING THE PROJECT WARRANTY PERIOD, REMOVE THE SURFACE (PAVEMENT, LAWN OR OTHER FINISH) ADD BACKFILL, COMPACT, AND REPLACE THE SURFACE AT NO COST TO THE OWNER.

SEEDED AREAS:

- \sim 1. Grading and seeding. All areas disturbed or damaged by these construction activities, which are not otherwise NOTED TO BE COVERED WITH GRAVEL OR PAVEMENT SHALL BE FINISH GRADED. GRADING SHALL BE PROVIDED TO ENSURE POSITIVE SITE DRAINAGE AWAY FROM STRUCTURES. BUILDINGS, AND DRIVEWAYS AND BE SUCH THAT THERE WILL BE NO PONDING OR STANDING WATER FOLLOWING PRECIPITATION EVENTS. CONTRACTOR SHALL BE RESPONSIBLE FOR SEEDING AREAS WITHIN 10 FEET OF ALL NEW PAVED AREAS. SEEDING AND MULCHING SHALL BE IN ACCORDANCE WITH ODOT ITEM 659, CLASS 4A NATIVE
- 2. TOPSOIL SHALL BE REMOVED AND TEMPORARILY STOCKPILED ON SITE FROM UNDER ALL EMBANKMENT AND PAVED AREAS. SUCH TOPSOIL SHALL BE REUSED ON THE SURFACE TO ACHIEVE FINISHED GRADE OF AREAS TO BE SEEDED. PROVIDE A MINIMUM OF 4-INCHES OF TOPSOIL AT THE SURFACE OF ALL AREAS TO BE SEEDED. REMOVE ROCK AND OTHER FOREIGN MATERIAL 3 INCHES OR GREATER IN ANY DIMENSION FROM THE TOPSOIL
- 3. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE SEEDED AREAS AND THE MULCH UNTIL SUCH TIME THAT THE SPECIFIED SEEDING HAS GERMINATED AND IS ALIVE AND HEALTHY WITH FULL COVERAGE OF THE SEEDED AREA. FERTILIZE, WATER AND RESEED/MULCH, AS NECESSARY TO ENSURE FULL COVERAGE OF THE PROPOSED VEGETATION.
- 4. WETLAND SEED MIX. SEED THE WETLAND AREA WITH SEED MIX ERNMX 120 @ 20 LB/ACRE

PAVING NOTES:

- 1. SUBGRADE COMPACTION. ALL PAVEMENT SUBGRADES SHALL BE COMPACTED TO A DEPTH OF 12 INCHES. SUBGRADE SOILS WITH A MAXIMUM DRY DENSITY OF LESS THAN 100 POUNDS PER CUBIC FOOT ARE CONSIDERED UNSUITABLE FOR USE IN THE UPPER 12 INCHES BELOW PAVEMENT AND SHALL BE REPLACED WITH SUITABLE MATERIAL WHEN ENCOUNTERED IN THE UPPER 12 INCHES. SOIL SUBGRADE WITH A MAXIMUM DRY DENSITY OF 100 TO 105 POUNDS PER CUBIC FOOT SHALL BE COMPACTED TO NOT LESS THAN 102 PERCENT OF MAXIMUM DRY DENSITY. ALL OTHER SUBGRADE SOILS SHALL BE COMPACTED TO NOT LESS THAN 100 PERCENT OF MAXIMUM DRY DENSITY. MOISTURE CONTENT SHALL BE BETWEEN OPTIMUM AND 3 PERCENTAGE POINTS ABOVE OPTIMUM.
- PROOF ROLLING. FOLLOWING SUBGRADE COMPACTION, THE CONTRACTOR SHALL PROOF ROLL ALL PAVEMENT SUBGRADES IN ACCORDANCE WITH ODOT ITEM 203.14, EXCEPT THAT A PNEUMATIC TIRED VEHICLE WITH A MINIMUM GROSS LOAD OF 25 TONS MAY BE USED IN PLACE OF THE EQUIPMENT SPECIFIED BY ODOT ITEM 203.14. THE EXPOSED SUBGRADE SHALL BE ROLLED WITH AT LEAST 2 COVERAGES OF THE VEHICLE. ANY SOFT OR WEAK AREAS SHALL BE REMOVED AND CORRECTED PER ODOT ITEM 203.13.

OFF-SITE SOIL:

1. AN ADDITIONAL 1,500 CY OF SOIL WILL BE DELIVERED TO THE SITE BY ORANGE TOWNSHIP FOR USE BY THE CONTRACTOR. CONTRACTOR SHALL BE RESPONSIBLE FOR PLACEMENT OF THE SOIL WHERE NEEDED TO COMPLETE THE WORK AS SHOWN. ANY EXCESS SOIL SHALL BE STOCKPILED/SPOILED ON-SITE IN A LANDSCAPING BERM AS DIRECTED BY THE OWNER.

LEGEND

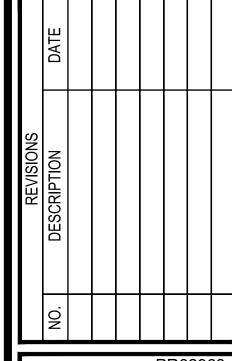
ASPHALT PAVEMENT

CONCRETE WALK

PEDESTRIAN BRIDGE







JOB NO:	PR62963
DATE:	JUNE 2025
DESIGNED BY:	RVZ
DRAWN BY:	RVZ
CHECKED BY:	BWT
APPROVED BY:	BWT
SCALE:	NOTED
PROPOSED	SITE PLAN

SHEET IDENTIFICATION C-101



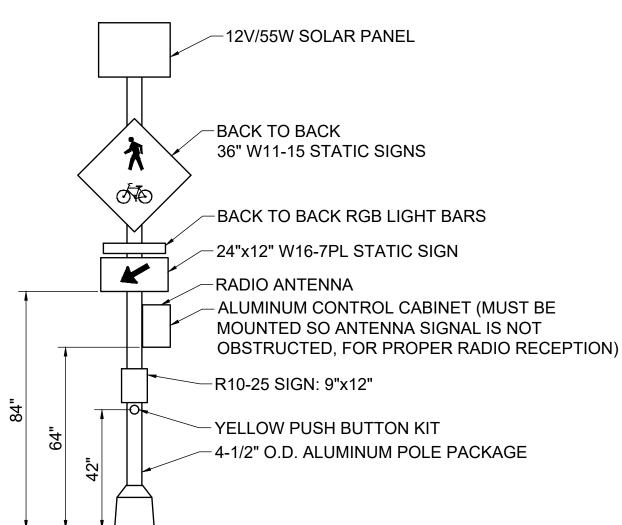
ITEM SPECIAL-SOLAR POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) ASSEMBLIES & FOUNDATIONS COMPLETE

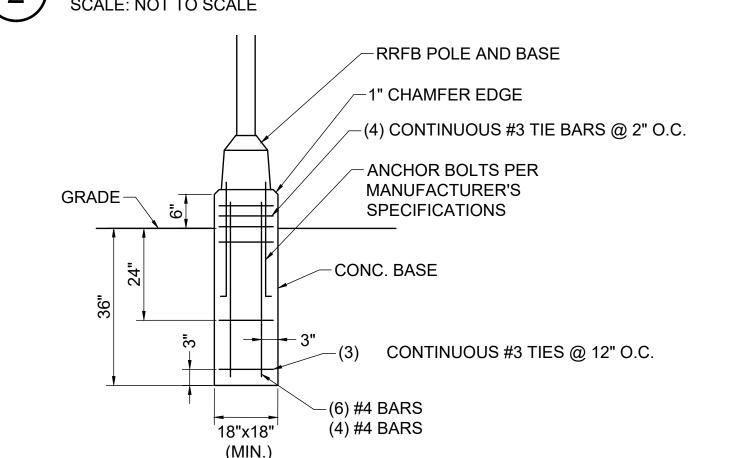
- 1. THE PRIMARY FUNCTION OF THE RRFB CROSSWALK SYSTEM IS TO PROVIDE A HIGHLY VISIBLE, ENHANCED WARNING FOR THE PURPOSE OF ALERTING ROAD USERS FROM BOTH TRAFFIC DIRECTIONS OF THE ACTIVE PEDESTRIAN AND BICYCLE CROSSING
- 2. THE MANUFACTURER SHALL PROVIDE COMPONENTS FOR A SOLAR POWERED WARNING RRFB CROSSWALK SYSTEMS COMPONENTS INCLUDE: RRFB LIGHT BARS, BULLDOG PUSH BUTTONS WITH AUDIBLE INDICATORS, SOLAR PANELS, CONTROL CABINETS WITH FLASH CONTROLLERS, WIRELESS TRANSCEIVERS, AND BATTERIES, MOUNDING HARDWARE, STATIC SIGNAGE AND POLE PACKAGES.

3.ACTIVE VEHICLE WARNING INDICATORS SHALL BE VISIBLE IN A DIRECT LINE OF SIGHT AT DISTANCES OVER 1000 FEET DURING THE DAY AND OVER 1 MILE AT NIGHT.

- 4. EACH PEDESTRIAN CROSSWALK SYSTEM SHALL CONSIST OF THE FOLLOWING:
- a. 2 SEPARATE SIGN ASSEMBLIES, ONE INSTALLED ON EACH SIDE OF THE ROADWAY.
- b. RRFB LIGHT BAR WARNING ASSEMBLIES
- c. SOLAR POWERED CON TROLL CABINETS WITH FLASH CONTROLLERS AND WIRELESS TRANSCEIVERS.
- e. 48 AH BATTERIES
- f. PUSH BUTTON ACTIVATIONS WITH RED LED AND BEEP CONFIRMATION WHEN PRESSED.
- g. FOUNDATIONS FOR EACH POLE/PEDESTAL.h. ALL MOUNTING AND OTHER HARDWARE.
- ALL SIGNAGE AS SHOWN OR DESCRIBED HEREIN (COLOR TO BE DG3FY, EXCEPT FOR RI0-25, WHICH IS WHITE).
- 5. UPON ACTIVATION BY PUSH BUTTON, THE RRFB CONTROLLERS SHALL ACTIVATE ALL RRFB LIGHT BARS IN THE SYSTEM SIMULTANEOUSLY, RRFB LIGHT BARS SHALL FLASH SYNCHRONOUSLY AND THEN CEASE OPERATION AFTER A PROGRAMMABLE TIMEOUT.
- 6. THE CONTROL CABINET SHALL BE NEMA 3R, 15 TALL X 12.5 WIDE X 9.9 DEEP AND CONSTRUCTED OF 0.08 THICK ALUMINUM. TO PROMOTE AIRFLOW, THE CABINET SHALL BE VENTED WITH SCREENING INCLUDED ON ALL VENTS AND DRAINS TO PREVENT INSECTS AND OTHER FOREIGN MATTER FROM ENTERING. THE CABINET SHALL INCLUDE AT LEAST TWO (2) TAMPER-RESISTANT STAINLESS STEEL HINGES AND A REPLACEABLE #2 TRAFFIC LOCK WITH KEYS (4 SETS TO BE PROVIDED). THE CABINET SHALL INCLUDE A REMOVABLE CONTROL PANEL TO WHICH ALL CONTROL CIRCUIT COMPONENTS EITHER MOUNT OR CONNECT. ALL MATERIALS USED IN THE CONSTRUCTION OR MOUNTING OF THE CONTROL CABINET SHALL BE APPLIED TO THE EXTERIOR OF THE CABINET AND INCLUDE SYSTEM SPECIFIC INFORMATION INCLUDING MODEL NUMBER, SERIAL NUMBER, DATE OF MANUFACTURE, AS WELL AS ANY APPLICABLE REGULATORY COMPLIANCE INFORMATION.
- 7. THE RRFB PROGRAMMABLE FLASH CONTROLLER SHALL BE HOUSED IN THE CONTROL CABINET AND SHALL INCLUDE INTEGRATED CONSTANT-CURRENT LED DRIVERS WITH A MINIMUM OF TWO-CHANNEL OUTPUT FOR DRIVING ONE OR TWO RRFB UNITS, SHALL AUTOMATICALLY ADJUST EH LED DRIVE CURRENT CONTROL TO OPTIMIZE BRIGHTNESS FOR AMBIENT LIGHTING CONDITIONS DETERMINED BY THE PHOTOTRANSISTOR INPUT, SHALL INCLUDE AT LEAS TWO (2) GENERAL PURPOSE INPUTS AND OUTPUTS, SHALL BE INDEPENDENTLY REPLACEABLE OF TO THE CONTROL PANEL COMPONENTS, SHALL BE ABLE TO MONITOR INTERNAL TEMPERATURE, SHALL HAVE CAPABILITY OF RS232 COMMUNICATION FOR PROGRAMMING WITH WINDOWS-BASED SOFTWARE, AND SHALL BE CAPABLE OF OPERATING BETWEEN THE TEMPERATURES OF -40 F TO +176 F.
- 8. THE SYSTEM SHALL OPERATE WIRELESSLY AT 900 MHZ, UTILIZING FREQUENCY HOPPING SPREAD SPECTRUM TECHNOLOGY TO MINIMIZE THE EFFECTS OF EXTERNAL RF INTERFERENCE. EACH UNIT SHALL BE CAPABLE OF OPERATING AS THE GATEWAY OR THE NODE/REPEATER. THE SYSTEM COMPONENTS SHALL BE SYNCHRONIZED TO OPERATE WITHIN 120 MSEC OF ONE ANOTHER AND REMAIN SYNCHRONIZED THROUGHOUT THE DURATION OF THE FLASH CYCLE. THE SYSTEM SHALL OPERATE ON A LICENSE-FREE ISM BAND, SHALL COMPLY WITH PART 15 PF FCC RULES, SHALL OPERATE FROM 3.3VDC TO 15VDC, AND SHALL BE REPLACEABLE INDEPENDENTLY OF OTHER COMPONENTS.
- 9. THE SOLAR CHARGE CONTROLLER SHALL AUTOMATICALLY PROVIDE LOW VOLTAGE DISCONNECT TO PROTECT BATTERIES WHEN NEEDED, SHALL AUTOMATICALLY PROVIDE LOAD RECONNECTION ONCE BATTERY LEVELS HAVE BE RESTORED TO ACCEPTABLE LEVELS, SHALL PROTECT AGAINST AND AUTOMATICALLY RECOVER FROM SHORT CIRCUIT, OVERLOAD, REVERSE POLARITY, HIGH TEMPERATURE, LIGHTING AND TRANSIENT SURGE, AS WELL AS VOLTAGE SPIKES. THE UNIT SHALL OPERATE BETWEEN -40 F TO +140 F. THE UNIT SHALL BE INDEPENDENTLY REPLACEABLE OF OTHER CONTROL PANEL COMPONENT.

- 10. THE SOLAR PANEL SHALL OPERATE AT 12VDC NOMINAL WITH A MAXIMUM OUTPUT RATING OF 55 WATTS. IT SHALL OPERATE BETWEEN -40 F TO +194 F. THE PANEL SHALL BE CONSTRUCTED OF AN ANODIZED ALUMINUM FRAM, HIGH-TRANSMISSION 1 /8 TEMPERED GLASS, SILICON CELLS ENCAPSULATE DIN DOUBLE-LAYER EVA, AND WITH A WHITE POLYMER BACKING. THE PANELS SHALL BE AFFIXED TO A POLE TOP BRACKET THAT ALLOWS AN ADJUSTABLE ANGLE TO PROVIDE MAXIMUM INSOLATION EXPOSURE. THE PANEL SHALL BE IEC61215, TUV, AND UL 1703 CERTIFIED. ALL SOLAR PANEL FASTENERS SHALL BE ANTI-VANDAL POINT-TYPE SET SCREWS. FOUR (4) WRENCHES SHALL BE PROVIDED.
- 11. THE BATTERIES SHALL HAVE A NOMINAL OUTPUT VOLTAGE OF 12VDC WITH A CAPACITY OF 48AH. THEY SHALL BE HOUSED IN THE CONTROL CABINET. THEY SHALL BE RECHARGEABLE TYPE ABSORBENT GLASS MAT. THEY SHALL BE SEALED AND SPILL-PROOF. THEY SHALL BE FUSED FOR SHORT CIRCUIT PROTECTION. BATTERIES SHALL BE REPLACEABLE INDEPENDENTLY FROM OTHER COMPONENTS.
- 12. THE RRFB LIGHT BAR SHALL BE IN CONFORMANCE WITH ALL APPLICABLE FHGWA MUTCD STANDARDS AND GUIDELINES AND SHALL MEET OR EXCEED THE REQUIREMENTS SPECIFIED IN FHWA MEMORANDUM IA-21, INTERIM APPROVAL FOR OPTIONAL USE OF PEDESTRIAN-ACTUATED [RRBS] AT UNCONTROLLED MARKED CROSSWALKS. EACH LIGHT BAR SHALL INCLUDE TWO (2) RAPIDLY AND ALTERNATELY FLASHING RECTANGULAR YELLOW LED ARRAY VEHICLE INDICATIONS AND ONE SIDE-MOUNTED YELLOW LED ARRAY PEDESTRIAN INDICATIONS. THE LED ARRAYS SHALL BE DESIGNED, LOCATED AND OPERATED IN ACCORDANCE WITH THE DETAILED REQUIRED AS SPECIFIED IN THESE PLANS. WHEN ACTIVATED, THE LIGHT SHALL BE VISIBLE FROM AT LEAST 1000 FEET DURING THE DAY AND AT LEAST 1 MILE AT NIGHT. THE LIGHT BAR SHALL BE HOUSED IN A DURABLE CORROSION-RESISTANT, POWDER COATED ALUMINUM WITH STAINLESS STEEL VANDAL RESISTANT FASTENERS. THE UNITS SHALL HAVE ENCLOSED COMPONENTS THAT ARE MODULAR IN DESIGN WHEREBY ANY COMPONENT CAN BE EASILY REPLACED WITHOUT HA"1NG TO UNINSTALL THE RRFB ASSEMBLY. THE OVERALL DIMENSION SHALL BE APPROXIMATELY 23.6 WIDE X 3.8 HIGH X 1.4 DEEP.
- 13. THE PUSH BUTTONS SHALL BE VANDAL RESISTANT AND ADA COMPLIANT, HAVE A SHALL OPERATING VOLTAGE OF 12-36VDC, AND HAVE A PEAK CURRENT DRAW OF APPROXIMATELY 350MH AND LOW IDLE CURRENT OF APPROXIMATELY 1.2 MA, AND OPERATE FROM -30 F TO +165 F. ACTIVATION CONFIRMATION SHALL BE VIA RED LED AND BEEP CONFIRMATION WHEN BUTTON IS PRESSED. THE BUTTON SHALL BE 316 STAINLESS STEEL. THE HOUSING SHALL BE ALUMINUM POWDER-COATED (YELLOW). THE APPROXIMATE SIZE IS 3.5 IN DIAMETER BY 1 DEEP.
- 14. STATIC WARNING SIGNS SHALL HAVE MUTCD COMPLIANT SIGN LEGEND 15. THE POLE (PEDESTAL) PACKAGE SHALL INCLUDE A 14-FOOT WALL TALL SCH 40 ALUMINUM POLE AND BASE WITH 8.5 SQUARE HAND-HOLE AND COVER (TP-358 CAST ALUMINUM THAT MOUNTS ON A 5000 PSI CONCRETE FOUNDATION).
- 16. A 3-YEAR MANUFACTURER'S UNCONDITIONAL WARRANTY SHALL BE PROVIDED AGAINST ALL DEFECTS IN MATERIAL AND WORKMANSHIP.
- 17. MANUFACTURER/SUPPLIER: TAPCO. INC., OR EQUAL.





SOLAR POWERED RRFB ASSEMBLY

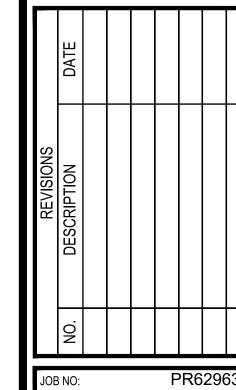




330 RUSH ALLEY SUITE 700 COLUMBUS, OH 4321!

BURGESS & NIPLE

PRESERVATION PARKS OF
DELAWARE COUNTY
MCCAMMON CREEK PARK
EAST AREA PARKING LOT AND
PEDESTRIAN BRIDGE PROJECT



JOB NO: PR62963

DATE: JUNE 2025

DESIGNED BY: RVZ

DRAWN BY: RVZ

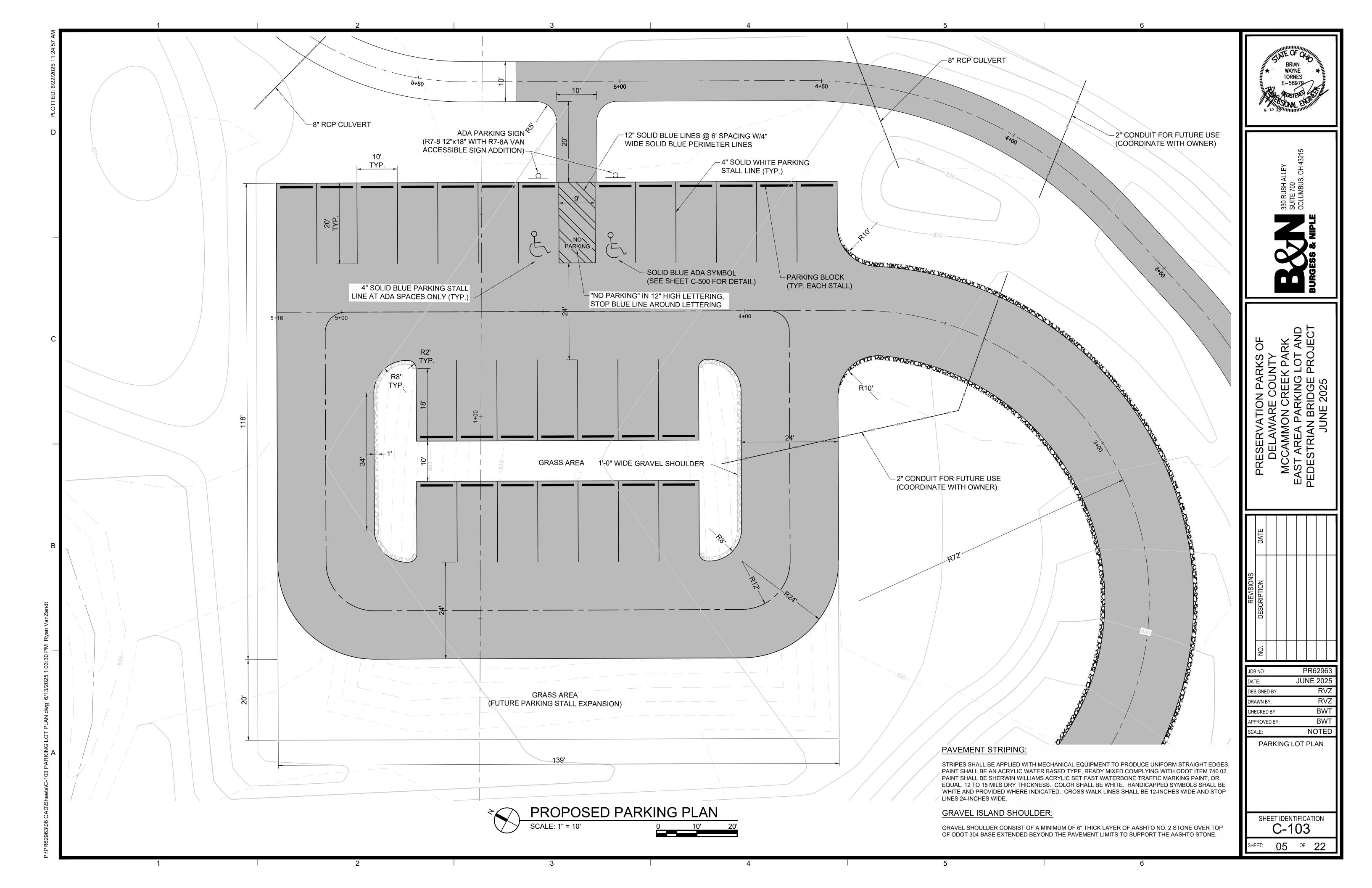
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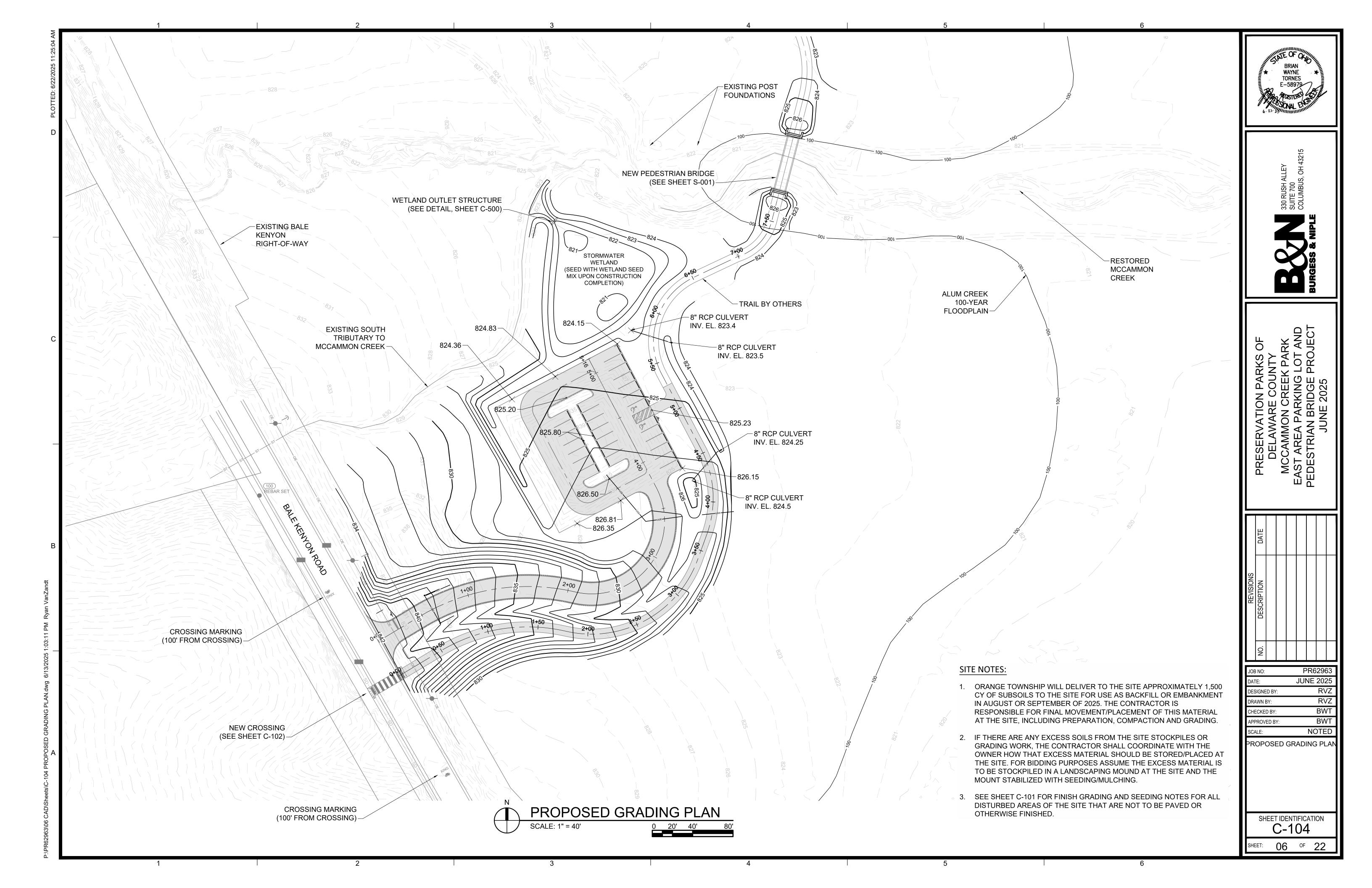
APPROVED BY: BWT

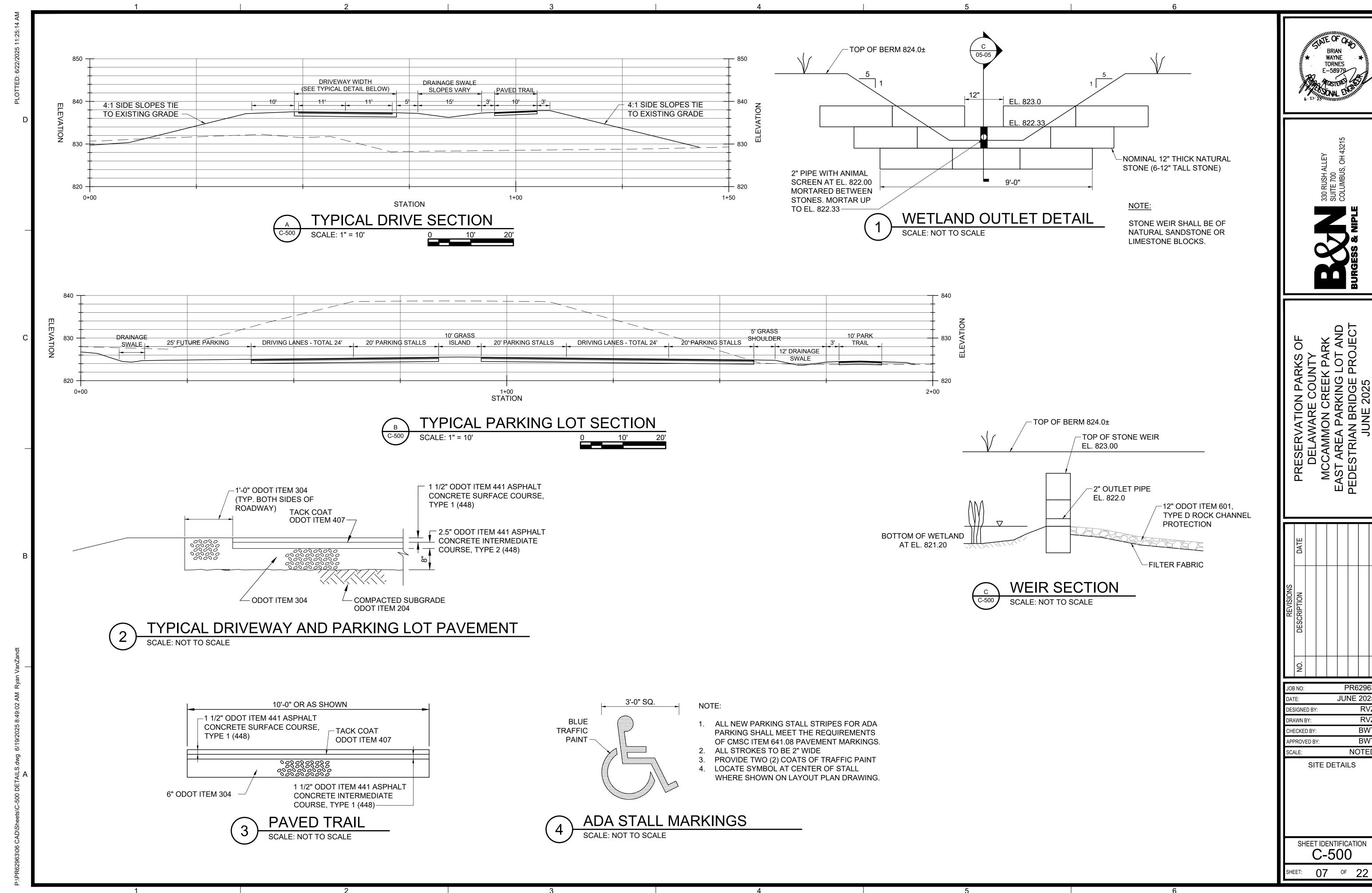
SCALE: NOTED

CROSSING

SHEET IDENTIFICATION C-102

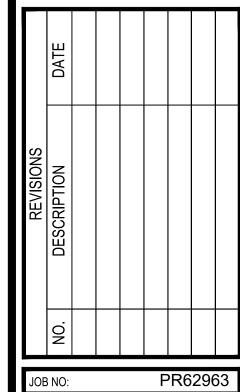






BRIAN
WAYNE
TORNES
E-58979
COSTERED
TOWN

DELAWARE COUNTY
MCCAMMON CREEK PARK
EAST AREA PARKING LOT AND
PEDESTRIAN BRIDGE PROJECT
JUNE 2025



JOB NO: PR62963 DATE: JUNE 2025 DESIGNED BY: RVZ DRAWN BY: RVZ CHECKED BY: BWT APPROVED BY: BWT SCALE: NOTED
DATE: JUNE 2025 DESIGNED BY: RVZ DRAWN BY: RVZ CHECKED BY: BWT APPROVED BY: BWT SCALE: NOTED
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SCALE: NOTED
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SITE DETAILS

SHEET IDENTIFICATION C-500

TRENCH WIDTH

O.D. PIPE + 8"-MIN.

- MIN: D/4 OR 4", WHICHEVER IS GREATER

- DETAIL IS FOR ILLUSTRATIVE PURPOSE ONLY.
- 2. CONTRACTOR SHALL FIELD MEASURE AND PROVIDE SHOP DRAWINGS FOR OWNER APPROVAL.
- GATE AND LOCK POST TO MATCH PARK DISTRICT STANDARD. PROVIDE CLASS C CONCRETE FOUNDATION MIN. 36"
- DEPTH WITH 3" SQUARE PAD AND OPEN GATE POST. GATE IS SYMMETRICAL.

GATE TO BE BY ZIMMER GATES & DOORS (740) 281-6150 OR APPROVED EQUAL.

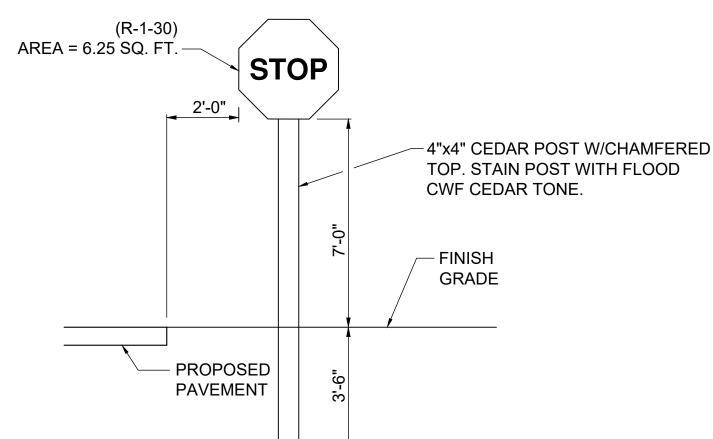
4'-0" OR AS SHOWN 4" CONCRETE ODOT ITEM 452

SCORE CONCRETE EVERY 4'-0", PROVIDE 1/2" PRE-MOLDED EXPANSION JOINT WITH JOINT SEALER EVERY 20'-0" AND WHERE ABUTTING STEPS, EXISTING WALKS, BUILDING, AND STRUCTURAL MEMBERS.

TYPICAL CONCRETE WALK DETAIL

- STS (DIA. VARIES)

SIDEWALK ADA TRANSITION SCALE: NOT TO SCALE



. COMPACTED SELECTED TRENCH MATERIAL

2. COMPACTED GRANULAR BACKFILL O.D. PIPE + 16"-MAX. (ODOT ITEM 304) — PIPE BARREL TRENCH BACKFILL MATERIAL . PIPE BEDDING MATERIAL 2. COMPACTED GRANULAR BACKFILL (ODOT ITEM 304) PIPE BEDDING MATERIAL (CRUSHED)

PIPE TRENCH **BOTTOM**

SCALE: NOT TO SCALE

* REQUIRED FOR UNDER PAVEMENT

<15"

15"-30"

AASHTO M43 SIZE 67, 7 OR 8

6 OR 67

MAX: 12"

TYPICAL SEWER PIPE INSTALLATION

SLOPE PROTECTION DETAIL

SLOPE PROTECTION SHALL CONSIST OF CRUSHED LIMESTONE WITH A FILTER FABRIC BED MEETING THE REQUIREMENTS OF

OHIO DEPARTMENT OF TRANSPORTATION (ODOT)

FILTER FABRIC

12"-18" THICKNESS

SCALE: NOT TO SCALE

SPECIFICATION ITEM 601.09, TYPE C.

TRUNCATED DOMES W/CONTRASTING COLORED SURFACE

PLAN VIEW ELEVATION VIEW

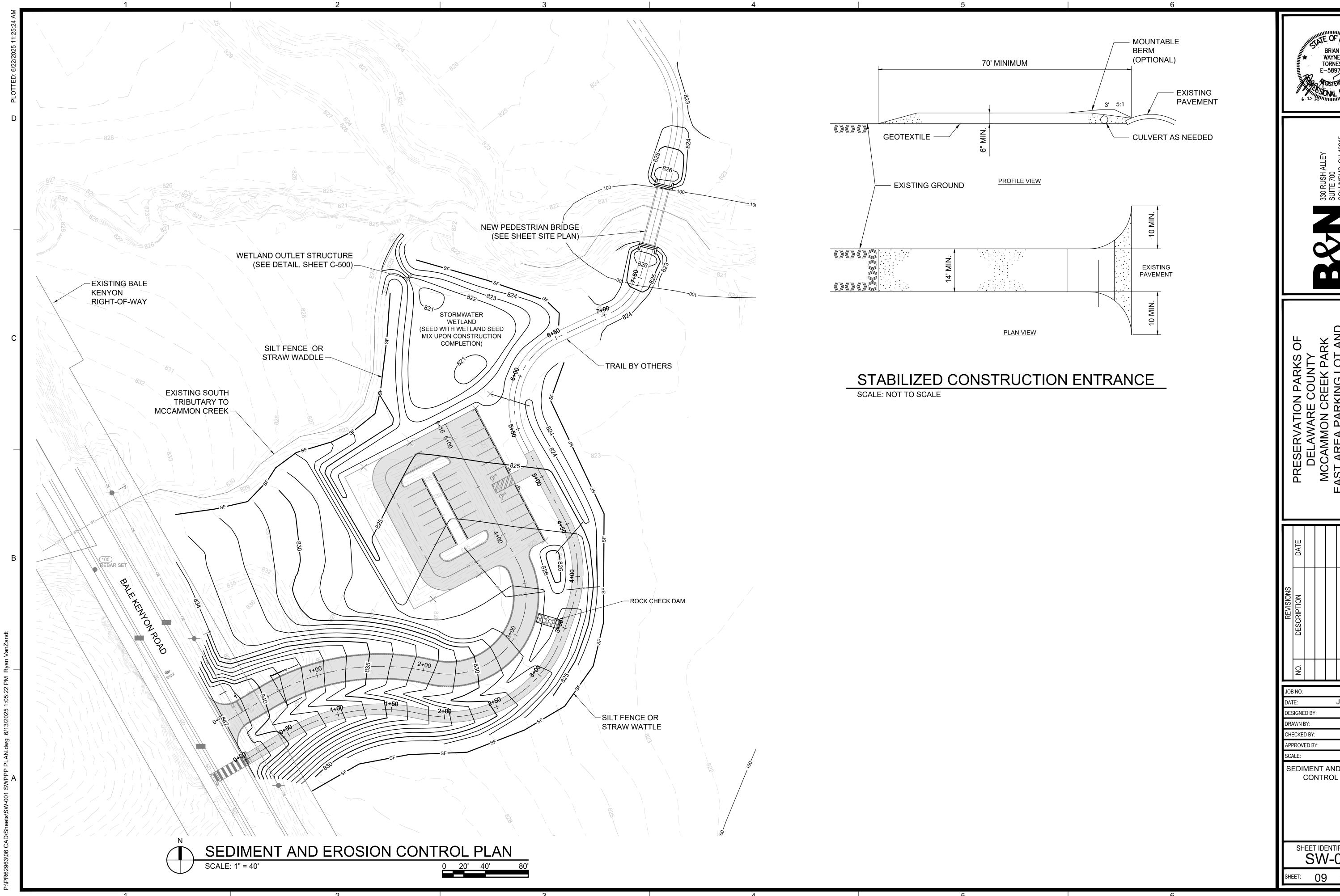
TYPICAL SIGN PLACEMENT

BRIAN WAYNE TORNES E-58979

MCCAMMON (EAST AREA PAR PEDESTRIAN BR

JOB NO:	PR62963
DATE:	JUNE 2025
DESIGNED BY:	XXX
DRAWN BY:	XXX
CHECKED BY:	XXX
APPROVED BY:	XXX
SCALE:	NOTED
SITE D	ETAILS

SHEET IDENTIFICATION C-501 SHEET: 08 OF 22





	DATE							
REVISIONS	DESCRIPTION							
	'ON							
JOE	NO:	D: PR62963					63	

JOB NO:	PR62963		
DATE:	JUNE 2025		
DESIGNED BY:	RVZ		
DRAWN BY:	RVZ		
CHECKED BY:	BWT		
APPROVED BY:	BWT		
SCALE:	NOTED		
SEDIMENT AND EROSION			

CONTROL PLAN

SHEET IDENTIFICATION SW-001

PROJECT DESCRIPTION:

DISTURBED AREA:

PLAN DESIGNER:

OWNER &

DEVELOPER:

EROSION AND SEDIMENT CONTROL NARRATIVE

ADJACENT AREAS:

CRITICAL AREAS: PUBLIC STREETS SHALL REMAIN CLEAR OF SEDIMENT/DEBRIS FROM THE PROJECT CONSTRUCTION TRAFFIC AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE TO CLEAR WHEELS OF DEBRIS AND SEDIMENT TO LIMIT THE EXISTING ROADWAYS FROM ADDITIONAL SEDIMENT. RUNOFF FROM DISTURBED AREAS MUST BE CONTROLLED BY SILT FENCING OR OTHER MEANS TO PROTECT OFF-SITE AREAS.

EROSION & SEDIMENT

TRIBUTARY STREAM:

CONTROL MEASURES: PROPOSED CONSTRUCTION WILL REQUIRE EROSION AND SEDIMENT RUNOFF PROTECTION BY USE OF SEDIMENT BARRIERS (INCLUDING SILT FENCE, FILTER SOCKS, OR STRAW WATTLES) AND THE USE OF CHECK DAMS WITHIN THE PROPOSED DRAINAGE SWALE. THE CONTRACTOR SHALL

BE RESPONSIBLE TO MAINTAIN THE SEDIMENT BARRIERS.

SITE DISCHARGES TO McCAMMON CREEK WHICH DISCHARGES TO ALUM CREEK.

MAINTENANCE OF THE EROSION & SEDIMENT CONTROL ITEMS SHALL BE IN ACCORDANCE WITH MAINTENANCE

THE NOTES LISTED ON THIS SHEET.

BURGESS & NIPLE, INC.

COLUMBUS, OHIO 43220

PRESERVATION PARKS OF DELAWARE

3.71 ACRES - OEPA NOI REQUIRED

RESIDENTIAL AND PARK USE.

PHONE: 614-459-2050

2656 HOGBACK ROAD

SUNBURY, OH. 43074 PHONE: 740-524-8600

WETLAND CREATION.

5085 REED ROAD

FAX: 614-451-1385

CONSTRUCTION SEQUENCE:

1. THE CONTRACTOR SHALL PLACE THE REQUIRED CONSTRUCTION ENTRANCE AND SEDIMENT FENCE PRIOR TO ANY CONSTRUCTION ACTIVITY REQUIRING ACCESS TO OR FROM THE SITE IN ACCORDANCE WITH THE PLAN DETAILS.

THE PROPOSED PROJECT WILL INCLUDE SITE GRADING, PAVING, PEDESTRIAN BRIDGE, AND

2. THE CONTRACTOR SHALL SEED AND/OR PLACE EROSION CONTROL BLANKETS AS NECESSARY TO ELIMINATE SEDIMENT RUNOFF.

3. THE CONTRACTOR SHALL PERFORM CLEARING AND STOCKPILING MATERIAL AS DELINEATED WITHIN THE PLANS. 4. THE CONTRACTOR SHALL PLACE SEEDING AND MULCHING AS NECESSARY TO REESTABLISH

5. THE CONTRACTOR SHALL PROPERLY MAINTAIN ALL EROSION AND SEDIMENT CONTROL AT ALL

TIMES DURING THE CONSTRUCTION OPERATIONS. 6. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EROSION CONTROL DEVICES ONLY

AFTER ALL AREAS HAVE BEEN SEEDED/MULCHED OR STABILIZED.

OWNER CONTACT: MR. MATT SIMPSON

PRESERVATION PARKS OF DELAWARE 2656 HOGBACK ROAD SUNBURY, OH. 43074 PHONE: 740-524-8600

E-MAIL: MSIMPSON@PRERVATIONPARKS.COM

1.0 INTRODUCTION

THIS PLAN MUST BE POSTED ON-SITE. A COPY OF THE SWPPP PLAN AND THE APPROVED EPA STORMWATER PERMIT (WITH THE SITE SPECIFIC NOI NUMBER) SHALL BE KEPT ON-SITE AT ALL TIMES.

THIS STORM WATER POLLUTION PREVENTION PLAN (SWP3) HAS BEEN PREPARED TO COMPLY WITH THE OHIO EPA CONSTRUCTION GENERAL STORM WATER PERMIT NO. OHC000004 (GENERAL PERMIT). A COPY OF THE GENERAL PERMIT AND NOTICE OF INTENT (NOI) FORMS SHALL ALSO BE MAINTAINED ON-SITE. A COPY OF THE NOTICE OF TERMINATION (NOT) FORM MUST BE SUBMITTED TO THE OHIO EPA WITHIN 45 DAYS OF COMPLETING ALL LAND DISTURBANCE ACTIVITIES. THE PURPOSE OF THIS SWP3 IS TO IDENTIFY THE POTENTIAL SOURCES OF STORM WATER POLLUTION FROM THE PROJECT AND TO ESTABLISH MEASURES AND PROCEDURES FOR PREVENTING STORM WATER POLLUTION.

ACTIVITIES DURING THE PROJECT WILL INCLUDE CLEARING, GRADING, EXCAVATING, GRUBBING, AND/OR FILLING ACTIVITIES WHICH WILL RESULT IN THE DISTURBANCE OF MORE THAN ONE ACRE OF LAND AREA. ALL REQUIRED PREVENTATIVE MEASURES TO PROVIDE EROSION AND SEDIMENT CONTROL AND STORM WATER MANAGEMENT WILL BE UTILIZED THROUGHOUT THE PROJECT.

DIRECT DISCHARGE OF SEDIMENT LADEN WATER TO THE LOCAL SEWER SYSTEM OR A RECEIVING STREAM IS A VIOLATION OF OHIO EPA; THE CONTRACTOR WILL BE HELD LIABLE FOR THE VIOLATION AND SUBSEQUENT FINES.

2.0 PLAN REVISION AND AMENDMENT

2.1 PLAN REVISION

THE SWP3 WILL BE AMENDED BY THE CONTRACTOR WITHIN 10 DAYS AFTER NOTIFICATION FROM THE OHIO EPA THAT THE SWP3 DOES NOT MEET ONE OR MORE OF THE MINIMUM REQUIREMENTS OF THE GENERAL PERMIT. IF REQUESTED, THE REVISED SWP3 OR A WRITTEN CERTIFICATION THAT THE REQUESTED CHANGES HAVE BEEN MADE WILL BE SUBMITTED TO THE OHIO EPA.

2.2 PLAN AMENDMENT

THE SWP3 WILL BE AMENDED BY THE CONTRACTOR WHENEVER THERE IS A CHANGE IN DESIGN, CONSTRUCTION, OPERATION OR MAINTENANCE, WHICH HAS A SIGNIFICANT EFFECT ON THE POTENTIAL FOR THE DISCHARGE OF POLLUTANTS TO SURFACE WATERS OF THE STATE OR IF THE SWP3 PROVES TO BE INEFFECTIVE IN ACHIEVING THE GENERAL OBJECTIVES OF CONTROLLING POLLUTANTS IN STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY.

3.0 SITE DESCRIPTION

3.1 SITE DESCRIPTION/CONSTRUCTION ACTIVITY

THE PROJECT IS LOCATED AT AT THE SOUTHEAST FIELD WHERE BALE KENYON ROAD GOES UNDER INTERSTATE 71 IN DELAWARE COUNTY. THE PROJECT WILL INCLUDE EXCAVATION, GRADING, AND PAVING OF A NEW PARKING LOT AND ENTRY DRIVE FOR PARK.

THE AREAS WHERE SOIL WILL BE DISTURBED ARE CURRENTLY GRASS AND UNDER BRUSH AND TREES. THE SOIL DISTURBING ACTIVITIES WILL INCLUDE EXCAVATION AND GRADING FOR THE PARKING LOT AND DRIVEWAY CONSTRUCTION. STOCKPILES AND STAGING AREAS WILL ALSO BE NECESSARY. DISTURBED SURFACE AREAS WILL BE STABILIZED AT THE COMPLETION OF THE PROJECT. A "GRADING AND STABILIZATION LOG" WILL BE MAINTAINED TO DOCUMENT THE GRADING AND STABILIZATION ACTIVITIES WHICH OCCUR AFTER CONSTRUCTION ACTIVITIES COMMENT.

3.2 SOIL DATA

THE PRINCIPAL SOIL TYPE MAPPED IN THE PROJECT AREA IS URBAN LAND - LOBDELL SILT LOAM 0 TO 2 PERCENT SLOPES AND SLOAN SILT LOAM AT 0 TO 1 PERCENT.

3.3 PRIOR LAND USES

THE AREAS THAT WILL BE DISTURBED ARE CURRENTLY GRASS AND OTHER VEGETATION. THE AREA TO BE DISTURBED IS WITHIN THE RIGHT-OF-WAY AND PROPERTY OWNED BY PRESERVATION PARKS.

3.4 IMPLEMENTATION SCHEDULE

EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED PRIOR TO SOIL DISTURBING ACTIVITIES. THE CONSTRUCTION MANAGER WILL MONITOR REGIONAL WEATHER FORECASTS AND DIRECT INSTALLATION OF COVERINGS OR OTHER STABILIZATION METHODS WHEN A 24-HOUR RAINFALL EVENT IS EXPECTED TO EXCEED 1/2 INCH.

3.5 PHASED CONSTRUCTION

CONTRACTOR SHALL PHASE CONSTRUCTION SUCH ONLY NECESSARY ACREAGE IS DISTURBED AT ONE TIME.

4.0 CONTROL MEASURES

- STREET CLEANING (ON AN AS-NEEDED BASIS) IS REQUIRED THROUGH THE DURATION OF THIS CONSTRUCTION PROJECT. THIS INCLUDES SWEEPING, POWER CLEANING AND (IF NECESSARY) MANUAL REMOVAL OF DIRT OR MUD FROM BALE KENYON ROAD.
- 2. THE DESIGN OF EROSION CONTROL SYSTEMS SHALL FOLLOW THE REQUIREMENTS OF THE OHIO EPA. THE CONTRACTOR SHALL BE CONSIDERED THE DEVELOPER OF THE STORMWATER DISCHARGE.
- 3. THE CONTRACTOR SHALL PROVIDE SEDIMENT CONTROL AT ALL POINTS WHERE WATER LEAVES THE PROJECT, INCLUDING WATERWAYS, OVERLAND SHEET FLOW, AND STORM SEWERS, WHETHER SPECIFICALLY SHOWN ON THE PLANS OR NOT.
- 4. ACCEPTED METHODS OF PROVIDING EROSION/SEDIMENT CONTROL INCLUDE BUT ARE NOT LIMITED TO: SEDIMENT FILTERS, SILT FILTER FENCE, STRAW WATTLES, CHECK DAMS, AND TEMPORARY GROUND COVER. THE USE OF STRAW BALES IS
- 5. THE CONTRACTOR SHALL PROVIDE ADEQUATE DRAINAGE OF THE WORK AREA AT ALL TIMES CONSISTENT WITH EROSION CONTROL PRACTICES.
- DISTURBED AREAS THAT WILL REMAIN UNWORKED FOR 14 DAYS OR MORE SHALL BE SEEDED WITHIN 7 CALENDAR DAYS OF THE DISTURBANCE. OTHER SEDIMENT CONTROLS THAT ARE INSTALLED SHALL BE MAINTAINED UNTIL VEGETATIVE GROWTH HAS BEEN ESTABLISHED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL TEMPORARY SEDIMENT DEVICES AT THE CONCLUSION OF CONSTRUCTION BUT NOT BEFORE GROWTH OF PERMANENT GROUND COVER.
- 7. ALL DENUDED AREAS, INCLUDING STOCKPILED SOIL AND EXCAVATED MATERIAL, ARE TO BE PROTECTED THROUGH THE USE OF TEMPORARY SEEDING, OR COVERED WITH ANCHORED STRAW MULCH, AND SURROUNDED BY SEDIMENT BARRIERS.
- 8. FINAL GRADING WILL BE CONSISTENT WITH PRECONSTRUCTION TOPOGRAPHY TO MAINTAIN DRAINAGE AND AESTHETICS.
- REMOVE ONLY THE TREES, SHRUBS, AND GRASSES THAT MUST BE REMOVED TO PERMIT ACTUAL CONSTRUCTION. PROTECT THE REMAINING TO PRESERVE THEIR AESTHETIC AND EROSION CONTROL VALUE. TREE PROTECTION SHALL INCLUDE EXCAVATION AND TEMPORARY RELOCATION OF THOSE 2-INCH DIAMETER AND SMALLER TREES, SUCH TREES SHALL THEN BR REPLANTED INTO THE FINISHED SITE.
- 10. BACKFILL TRENCHES IMMEDIATELY AFTER USE. SEED AND MULCH TRENCH AREA WITHIN 7 DAYS AFTER AREA OR SECTION HAS BEEN OPENED.
- 11. SETTLING FACILITIES, SEDIMENT FILTERS, PERIMETER CONTROLS, AND OTHER PRACTICES INTENDED TO TRAP SEDIMENT SHALL BE IMPLEMENTED AS THE FIRST STEP OF GRADING OR CONSTRUCTION AND WITHIN 7 DAYS FROM THE START OF GRUBBING. THEY SHALL CONTINUE TO FUNCTION UNTIL THE UPSLOPE DEVELOPMENT AREA IS RESTABILIZED.
- 12. CONSTRUCTION ACCESS ROUTES MEASURES SHALL BE TAKEN TO PREVENT SOIL TRANSPORT ONTO SURFACES WHERE RUNOFF IS NOT CHECKED BY SEDIMENT CONTROLS OR ONTO PUBLIC ROADS. THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT OFF-SITE TRACKING OF SEDIMENTS BY VEHICLES AND EQUIPMENT IS ELIMINATED. SEE STABILIZED CONSTRUCTION ENTRANCE DETAIL, SHEET 06 OF 07.
- 13. SLOUGHING AND DUMPING NO SOIL, ROCK, DEBRIS, OR ANY OTHER MATERIAL SHALL BE DUMPED OR PLACED INTO A WATER RESOURCE OR INTO SUCH PROXIMITY THAT IT MAY READILY SLOUGH, SLIP, OR ERODE INTO A WATER RESOURCE UNLESS SUCH DUMPING OR PLACING IS AUTHORIZED BY THE CITY. UNSTABLE SOILS PRONE TO SLIPPING OR LANDSLIDING SHALL NOT BE GRADED, EXCAVATED, FILLED, OR HAVE LOADS IMPOSED UPON THEM UNLESS THE WORK IS DONE IN ACCORDANCE WITH A QUALIFIED PROFESSIONAL ENGINEER'S RECOMMENDATIONS TO CORRECT, ELIMINATE, OR ADEQUATELY ADDRESS THE PROBLEMS.
- 14. MAINTENANCE AND INSPECTION ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE DESIGNED AND CONSTRUCTED TO MINIMIZE MAINTENANCE REQUIREMENTS. THEY SHALL BE MAINTAINED AND REPAIRED AS NEEDED TO ENSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION. MAINTENANCE AND INSPECTION OF ALL EROSION/SEDIMENT CONTROL DEVICES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. INSPECTIONS SHALL BE PERFORMED BY THE CONTRACTOR IN THE PRESENCE OF THE CITY, ONCE EVERY 7 CALENDAR DAYS AND/OR WITHIN 24 HOURS AFTER A RAIN EVENT OF GREATER THAN 0.5 INCHES IN A 24-HOUR PERIOD. THESE INSPECTIONS SHALL IDENTIFY AREAS CONTRIBUTING TO STORMWATER DISCHARGES ASSOCIATED WITH THE PROJECT; EVALUATE THE ADEQUACY, IMPLEMENTATION, AND MAINTENANCE OF EXISTING AND PROPOSED EROSION/SEDIMENTATION MEASURES; AND DETERMINE WHETHER ADDITIONAL MEASURES ARE REQUIRED. ACCEPTABLE INSPECTION REPORTS SHALL BE PREPARED BY THE CONTRACTOR WITHIN 48 HOURS OF INSPECTION COMPLETION. THE REPORT SHALL CONTAIN THE RESULTS OF THE INSPECTION, NAME(S) AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE TEMPORARY EROSION AND SEDIMENT CONTROL PLAN, A CERTIFICATION THAT THE FACILITY IS IN COMPLIANCE WITH THE PLAN, AND IDENTIFYING ANY INCIDENTS OF NONCOMPLIANCE.
- 15. OUTFLOWS FROM DEWATERING OPERATIONS ALL WATER PRODUCED FROM CLEANING AND DEWATERING OPERATIONS, WHETHER SPECIFICALLY FROM TRENCH DEWATERING OR BYPASS PUMPING OPERATIONS OR FROM MORE EXTENSIVE DEWATERING OPERATIONS, SHALL BE DISCHARGED IN SUCH A MANNER AS TO ELIMINATE EROSION FROM SUCH DISCHARGE.
- 16. ADDITIONAL CONTROLS THE CONTRACTOR SHALL ENSURE THAT NO SEDIMENTS ARE TRACKED OFF-SITE BY CONSTRUCTION EQUIPMENT, VEHICLES, AND WORKERS. THE CONTRACTOR SHALL ALSO ENSURE THAT NO SOLID OR LIQUID WASTE IS DISCHARGED INTO ANY STORMWATER FLOW.
- 17. TEMPORARY EROSION AND SEDIMENT CONTROL PLAN AVAILABILITY AND UPDATES THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE TO ENSURE THE IMMEDIATE AVAILABILITY OF THE TEMPORARY EROSION AND SEDIMENT CONTROL PLAN AND SWP3 ON-SITE. THE CONTRACTOR SHALL ALSO BE SOLELY RESPONSIBLE TO PERFORM ALL UPDATES AND ADJUSTMENTS TO THE TEMPORARY EROSION AND SEDIMENT CONTROL PLAN AND SWP3.
- 18. SWP3 AVAILABILITY AND UPDATES THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE TO ENSURE THE IMMEDIATE AVAILABILITY OF THE SWP3 ON-SITE. THE CONTRACTOR SHALL ALSO BE SOLELY RESPONSIBLE TO PERFORM ALL UPDATES AND ADJUSTMENTS TO THE SWP3.
- 19. PERMANENT VEGETATION SHALL NOT BE CONSIDERED ESTABLISHED UNTIL GROUND COVER IS ACHIEVED WHICH, IN THE OPINION OF THE APPROVING AGENCY, PROVIDES ADEQUATE COVER AND IS MATURE ENOUGH TO CONTROL SOIL EROSION SATISFACTORILY & TO SURVIVE ADVERSE WEATHER CONDITIONS.
- 20. CONCRETE WASHOUT IF CONCRETE IS NEEDED AT THE SITE, A DESIGNATED TEMPORARY ABOVE-GRADE CONCRETE WASHOUT AREA SHALL BE CONSTRUCTED. SIGNS SHALL BE POSTED MARKING THE LOCATION OF THE WASHOUT AREA TO ENSURE THAT CONCRETE EQUIPMENT OPERATORS USE THE PROPER FACILITY. CONCRETE POURS WILL NOT BE CONDUCTED DURING OR BEFORE AN ANTICIPATED STORM EVENT. CONCRETE MIXER TRUCKS AND CHUTES WILL BE WASHED IN THE DESIGNATED AREA OR CONCRETE WASTES WILL BE PROPERLY DISPOSED OF OFF-SITE. WHEN THE TEMPORARY WASHOUT AREA IS NO LONGER NEEDED FOR THE CONSTRUCTION PROJECT, THE HARDENED CONCRETE AND MATERIALS USED TO CONSTRUCT THE AREA WILL BE REMOVED AND DISPOSED OF OFF-SITE.
- 21. RECORD KEEPING THE FOLLOWING IS A LIST OF RECORDS THAT WILL NEED TO BE KEPT AT THE PROJECT SITE AND MADE AVAILABLE FOR INSPECTORS TO REVIEW:
- DATES OF GRADING, CONSTRUCTION ACTIVITY, AND STABILIZATION

- CORRECTIVE ACTION AND SWP3 AMENDMENT LOGS
- A COPY OF THE CONSTRUCTION GENERAL PERMIT
- THE SIGNED AND CERTIFIED NOI FORM
- A COPY OF THE LETTER FROM OHIO EPA NOTIFYING OF THEIR RECEIPT OF THE COMPLETE NOI/APPLICATION
- INSPECTION REPORTS

5.0 PROHIBITED CONSTRUCTION ACTIVITIES

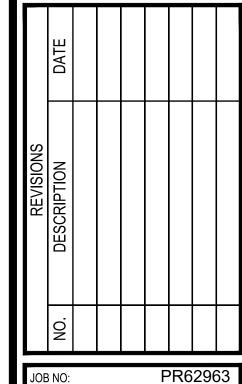
THE CONTRACTOR SHALL NOT USE CONSTRUCTION PROCEDURES, ACTIVITIES, OR OPERATIONS THAT MAY UNNECESSARILY IMPACT THE NATURAL ENVIRONMENTAL OR THE PUBLIC HEALTH AND SAFETY. PROHIBITED CONSTRUCTION PROCEDURES, ACTIVITIES, OR OPERATIONS INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:

- DISPOSING OF EXCESS OR UNSUITABLE EXCAVATED MATERIAL IN WETLANDS OR FLOOD PLAINS, EVEN WITH THE PERMISSION OF THE PROPERTY OWNER.
- 2. INDISCRIMINATE, ARBITRARY, OR CAPRICIOUS OPERATION OF EQUIPMENT IN ANY STREAM CORRIDORS, ANY WETLANDS, ANY SURFACE WATERS, OR OUTSIDE THE EASEMENT LIMITS.
- PUMPING OF SEDIMENT LADEN WATER FROM TRENCHES OR OTHER EXCAVATIONS INTO ANY SURFACE WATERS, ANY STREAM CORRIDORS, ANY WETLANDS, OR STORM DRAINS.
- 4. DISCHARGING POLLUTANTS SUCH AS CHEMICALS, FUELS, LUBRICANTS, BITUMINOUS MATERIALS, RAW SEWAGE, AND/OR ANY OTHER HARMFUL WASTE, INTO OR ALONGSIDE OF RIVERS, STREAMS, IMPOUNDMENTS, OR INTO NATURAL OR MAN-MADE CHANNELS LEADING THERETO.
- 5. PERMANENT OR UNSPECIFIED ALTERATION OF THE FLOWLINE OF A STREAM EXCEPT AS SPECIFIED ON THE PLANS.
- DAMAGING VEGETATION OUTSIDE OF THE CONSTRUCTION AREA.
- DISPOSAL OF TREES, BRUSH, AND OTHER DEBRIS IN ANY STREAM CORRIDORS, WETLANDS, OR SURFACE WATERS.
- 8. OPEN BURNING OF PROJECT DEBRIS WITHOUT A PERMIT.
- 9. STORING CONSTRUCTION EQUIPMENT AND VEHICLES AND/OR STOCKPILING CONSTRUCTION MATERIALS ON PROPERTY (PUBLIC OR PRIVATE) NOT PREVIOUSLY SPECIFIED BY THE ENGINEER FOR SAID PURPOSES.
- 6.0 POST-CONSTRUCTION STORM WATER CONTROL

POST-CONSTRUCTION STORM WATER TREATMENT (QUALITY) FOR THE PROJECT AREA IS NOT REQUIRED IN ACCORDANCE WITH PART III.G.2.E OF THE PERMIT.





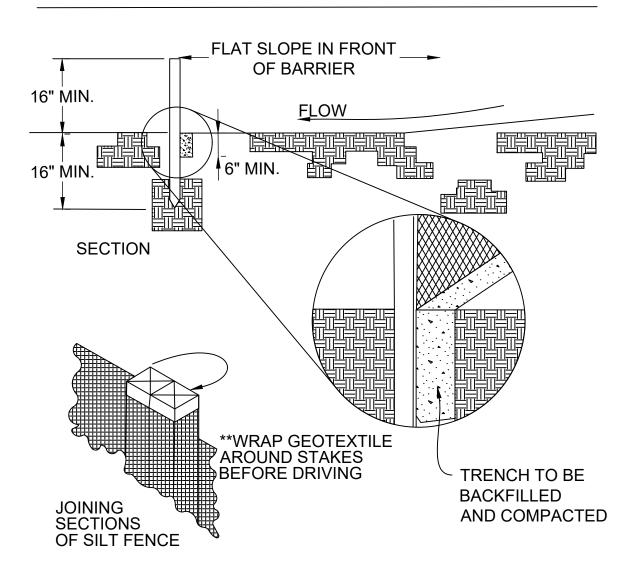


JOB NO:	PR62963
DATE:	JUNE 2025
DESIGNED BY:	RVZ
DRAWN BY:	RVZ
CHECKED BY:	BWT
APPROVED BY:	BWT
SCALE:	NOTED
SEDIMENT	AND EROSION

CONTROL NOTES

SHEET IDENTIFICATION SW-002

10 OF 22



SILT FENCE DETAIL SCALE: NOT TO SCALE

1. SILT FENCE SHALL BE CONSTRUCTED BEFORE **UP-SLOPE LAND DISTURBANCE BEGINS**

2. ALL SILT FENCE SHALL BE PLACED AS CLOSE TO THE CONTOUR AS POSSIBLE SO THAT WATER WILL NOT CONCENTRATE AT LOW POINTS IN THE FENCE AND SO THAT SMALL SWALES OR DEPRESSIONS THAT MAY CARRY SMALL CONCENTRATED FLOWS TO THE SILT FENCE ARE DISSIPATED ALONG ITS LENGTH.

3. ENDS OF THE SILT FENCES SHALL BE BROUGHT UP-SLOPE SLIGHTLY SO THE WATER PONDED BY THE SILT FENCE WILL PREVENTED FROM FLOWING AROUND THE ENDS.

4. SILT FENCE SHALL BE PLACED ON THE FLATTEST AREA AVAILABLE.

5. WHERE POSSIBLE, VEGETATION SHALL BE PRESERVED FOR 5 FEET (OR AS MUCH AS POSSIBLE) UP-SLOPE FROM THE SILT FENCE. IF VEGETATION IS REMOVED, IT SHALL BE REESTABLISHED WITHIN 7 DAYS FROM THE INSTALLATION OF THE SILT FENCE

6. THE HEIGHT OF THE SILT FENCE SHALL BE A MINIMUM OF 16 INCHES ABOVE THE ORIGINAL **GROUND SURFACE**

7. THE SILT FENCE SHALL BE PLACED IN AN EXCAVATED OR SLICED TRENCH CUT A MINIMUM OF 6 INCHES DEEP. THE TRENCH SHALL BE MADE WITH A TRENCHER, CABLE LAYING MACHINE, SLICING MACHINE, OR OTHER SUITABLE DEVICE THAT WILL ENSURE AN ADEQUATELY UNIFORM TRENCH DEPTH.

GEOTEXTILE. A MINIMUM OF 8 INCHES OF SURFACE. EXCESS MATERIAL SHALL LAY ON THE TRENCH SHALL BE BACKFILLED AND COMPACTED ON BOTH SIDES OF THE FABRIC.

9. SEAMS BETWEEN SECTIONS OF SILT FENCE SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST WITH A MINIMUM 6-IN. OVERLAP PRIOR TO DRIVING INTO THE GROUND, (SEE DETAILS).

10. MAINTENANCE - SILT FENCE SHALL ALLOW RUNOFF OVERTOPS THE SILT FENCE, FLOWS UNDER THE FABRIC OR AROUND THE FENCE ENDS, OR IN ANY OTHER WAY ALLOWS A CONCENTRATED FLOW DISCHARGE, ONE OF THE FOLLOWING SHALL BE PERFORMED, AS APPROPRIATE: 1) THE LAYOUT OF THE SILT FENCE SHALL BE CHANGED, 2) ACCUMULATED SEDIMENT SHALL BE REMOVED, OR 3) OTHER PRACTICES SHALL BE INSTALLED.

SEDIMENT DEPOSITS SHALL BE ROUTINELY REMOVED WHAN THE DEPOSIT REACHES APPROXIMATELY ONE-HALF OF THE HEIGHT OF THE SILT FENCE

SILT FENCES SHALL BE INSPECTED AFTER EACH RAINFALL AND AT LEAST DAILY DURING A PROLONGED RAINFALL. THE LOCATION OF EXISTING SILT FENCE SHALL BE REVIEWED DAILY TO ENSURE ITS PROPER LOCATION AND EFFECTIVENESS. IF DAMAGED, THE SILT FENCE SHALL BE REPAIRED IMMEDIATELY.

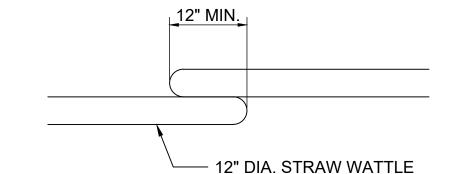
CRITERIA FOR SILT FENCE MATERIALS

1. FENCE POST - THE LENGTH SHALL BE A MINIMUM OF 32 INCHES. WOOD POSTS WILL BE 2-BY-2 IN. NOMINAL DIMENSIONED HARDWOOD OF SOUND QUALITY. THEY SHALL BE FREE OF SPLITS AND OTHER IMPERFECTIONS, THAT WILL WEAKEN THE POSTS. THE MAXIMUM SPACING BETWEEN POSTS SHALL BE 10 FT. POSTS SHALL BE DRIVEN BE ADEQUATELY SECURED TO PREVENT BOTTOM OF THE 6-INCH DEEP TRENCH. THE OVERTURNING OF THE FENCE DUE TO SEDIMENT/WATER LOADING

2. SILT FENCE - SEE CHART BELOW.

TABLE 6.3.2 MINIMUM CRITERIA FOR SILT FENCE FABRIC (000T,2002)

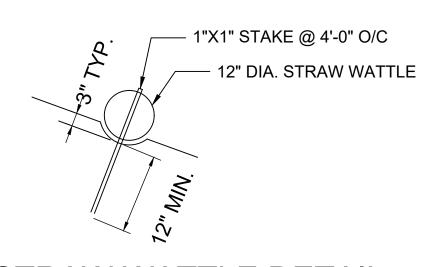
FABRIC PROPERTIES	VALUES	TEST METHOD
MINIMUM TENSILE STRENGTH	120 LBS. (535 N)	ASTM D 4632
MAXIMUM ELONGATION AT 60 LBS.	50%	ASTM D 4632
MINIMUM PUNCTURE STRENGTH	50 LBS. (220 N)	ASTM D 4833
MINIMUM TEAR STRENGTH	40 LBS (180 N)	ASTM D 4533
APPARENT OPENING SIZE	≤0.84 MM	ASTM D 4751
MINIMUM PERMITIVITY	1X10-2 SEC1	ASTM D 4491
UV EXPOSURE STRENGTH RETENTION	70%	ASTM G 4355



NOTE: STRAW WATTLES SHALL BE 12-INCH DIAMETER, 100% NATURAL STRAW ROLLS WITH 0.03-INCH THICK NET WRAP.

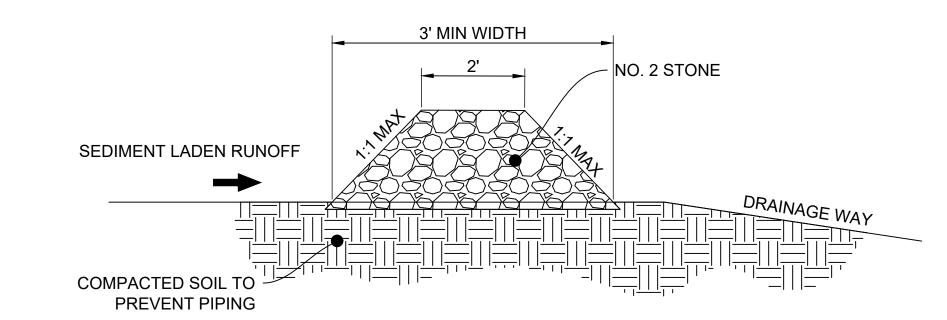
ADJACENT WATTLE DETAIL

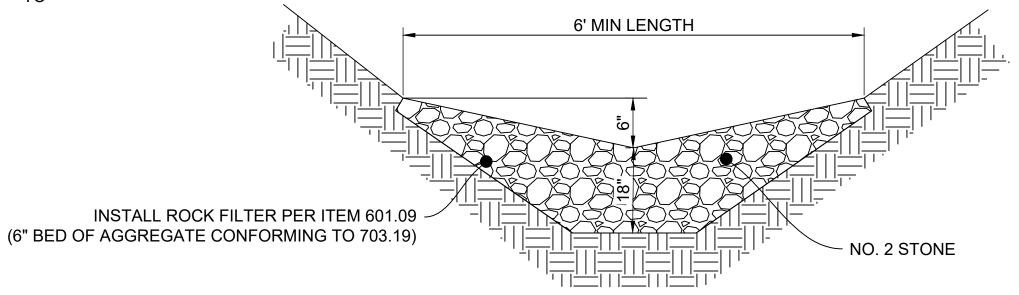
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STRAW WATTLE DETAIL

SCALE: NOT TO SCALE





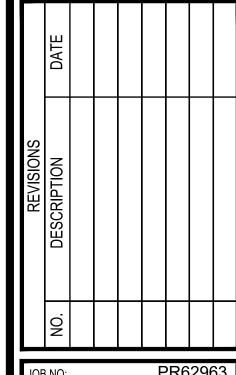
MAINTENANCE:

- 1. AGGREGATE CHECK DAMS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL.
- 2. CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED CHECK DAMS, END RUNS AND UNDERCUTTING BENEATH DAMS.
- 3. NECESSARY REPAIRS TO CHECK DAMS SHALL BE ACCOMPLISHED
- 4. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RAINFALL. THEY MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.
- 5. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE AGGREGATE IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED





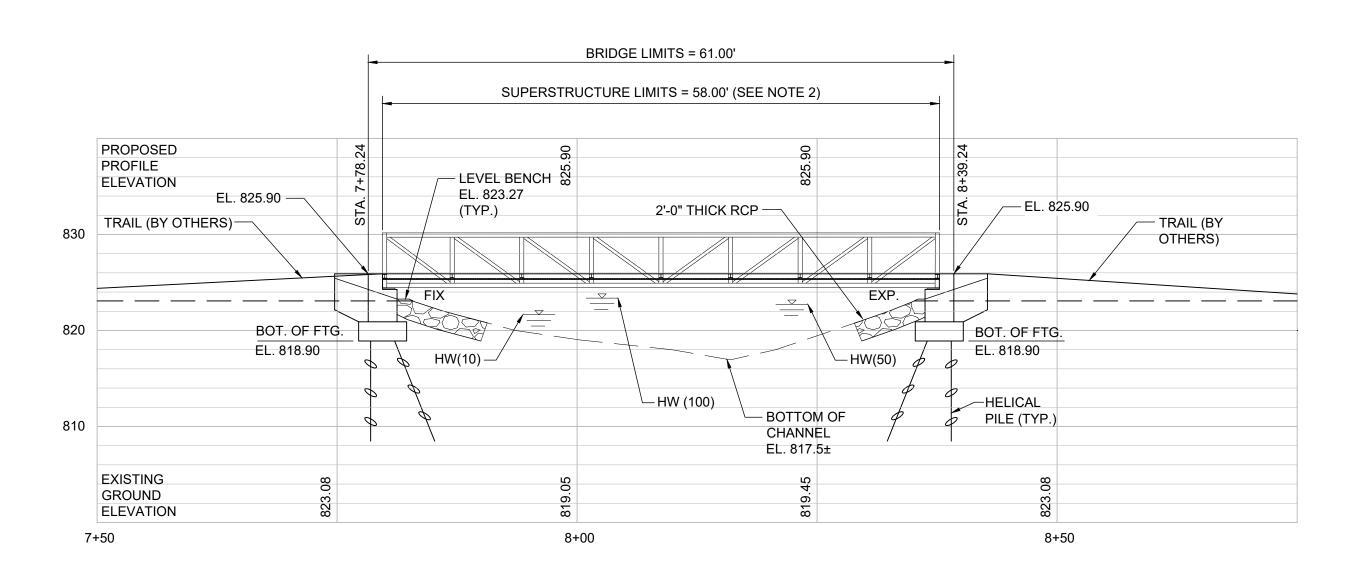
MCCAMMON (AST AREA PAF EDESTRIAN BF



JOB NO:	PR62963
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CHECKED BY:	BWT
APPROVED BY:	BWT
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SEDIMENT AND EROSION CONTROL DETAILS

SHEET IDENTIFICATION SW-003 SHEET: 11 OF 22 PLAN - PEDESTRIAN BRIDGE OVER MCCAMMON CREEK



PROFILE - PEDESTRIAN BRIDGE OVER MCCAMMON CREEK

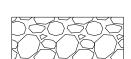
SCALE: 1" = 10'

NOTES:

1. BRIDGE LENGTH SHOWN IS FACE-TO-FACE ABUTMENT BACKWALL. TRUSS CHORD AND DIAGONAL LAYOUT SHALL BE SIMILAR TO THE LAYOUT SHOWN.

LEGEND:





ROCK CHANNEL PROTECTION, TYPE C WITH FILTER (2'-0" THICK)

PROJECT BORING LOCATIONS AND TOP OF ROCK ELEVATIONS								
BORING	ALIGNMENT	APPROX. STATION	APPROX. OFFSET	T.O.R. ELEVATION				
B-1	€ PROP. STRUCTURE	7+64.65	0.00'	NOT FOUND				
B-2	€ PROP. STRUCTURE	8+59.40	0.00'	NOT FOUND				

PROPOSED STRUCTURE

TYPE: PREFABRICATED STEEL TRUSS WITH REINFORCED CONCRETE ABUTMENTS ON HELICAL PILES. SPANS: SINGLE SPAN, 61'-0" (BACK TO BACK OF BACKWALLS), 58'-0" (OUT TO OUT OF BRIDGE) ROADWAY: 10'-0" o/o DECK

LOADING: AASHTO PEDESTRIAN LIVE LOAD (0.09 KSF) OR H5 TRUCK SKEW: 0°

ALIGNMENT: TANGENT DECK: COMPOSITE OR PLASTIC LUMBER APPROACH SLABS: NONE

CROWN: NONE COORDINATES: LATITUDE: 40°10'03.33" N

LONGITUDE: 82°57'29.87" W

HYDRAULIC DATA:

DRAINAGE AREA = 0.72 SQUARE MILES

WATER SURFACE ELEVATIONS:

HW (10) EL. = 821.93 HW (50) EL. = 822.71 HW (100) EL. = 823.70

LIST OF ABBREVIATIONS:

BOT. = BOTTOM C.J. = CONSTRUCTION JOINT CLR. = CLEARANCE CONST. = CONSTRUCTION

DIA. = DIAMETER E.F. = EACH FACE EL. = ELEVATION EX. = EXISTING

EXP. = EXPANSION F.A. = FORWARD ABUTMENT FTG. = FOOTING MAX. = MAXIMUM

MIN. = MINIMUM NPCPP = NONPERFORATED CORRUGATED PLASTIC PIPE o/o = OUT TO OUT

PCPP = PERFORATED CORRUGATED PLASTIC PIPE PROP. = PROPOSED

RCP = ROCK CHANNEL PROTECTION R.A. = REAR ABUTMENT

U.N.O. = UNLESS NOTED OTHERWISE

STA. = STATION T&B = TOP AND BOTTOM T.O.R. = TOP OF ROCK TYP. = TYPICAL



	DATE						
REVISIONS	DESCRIPTION						
	NO.						
JOE	JOB NO: PR62963					33	

JOB NO:	PR62963				
DATE:	JUNE 2025				
DESIGNED BY:	BWC				
DRAWN BY:	AAA				
CHECKED BY: JMK					
APPROVED BY:					
SCALE:	NOTED				
STRUCTURE SITE PLAN					

SHEET IDENTIFICATION S-001 12 OF 22

GENERAL NOTES:

SPECIAL PROVISIONS

REFER TO THE SPECIAL PROVISION - HELICAL PILE FOUNDATIONS MCCAMMON CREEK PARK.

THIS STRUCTURE CONFORMS TO THE 10th EDITION OF THE "LRFD BRIDGE DESIGN SPECIFICATIONS" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO), 2024, THE AASHTO LRFD GUIDE SPECIFICATIONS FOR THE DESIGN OF PEDESTRIAN BRIDGES, 2009 WITH CURRENT INTERIMS, THE ODOT BRIDGE DESIGN MANUAL, 2020 AND THE GUIDE FOR THE DEVELOPMENT OF BICYCLE FACILITIES, 4th EDITION, 2012.

A LOAD MODIFIER OF 1.0 HAS BEEN ASSUMED FOR THE DESIGN OF THIS STRUCTURE IN ACCORDANCE WITH THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, ARTICLE 1.3.5 AND THE ODOT BRIDGE DESIGN MANUAL.

THE BRIDGE DESIGN SHALL BE BASED ON A COMBINATION OF THE FOLLOWING LOADS WHICH WILL PRODUCE MAXIMUM LOADS/STRESSES:

ONE AASHTO H5 TRUCK. CONSIDERATION OF DYNAMIC LOADING IS NOT REQUIRED.

A PEDESTRIAN LIVE LOAD OF 90 PSF NOT TO BE USED IN CONJUNCTION WITH THE H5 TRUCK LOADING.

IN ADDITION TO THE LOADS ABOVE, THE BRIDGE DESIGN SHALL INCLUDE WIND LOAD ON THE FULL HEIGHT OF THE BRIDGE, AS IF ENCLOSED (PER 3.4 OF AASHTO LRFD GUIDE SPECIFICATIONS FOR THE DESIGN OF PEDESTRIAN BRIDGES AND 3.8.1 OF ASSHTO LFRD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINARIES, AND TRAFFIC SIGNALS) AND CONCURRENT 20 PSF VERTICAL WIND FORCE APPLIED TO THE WIDTH OF THE BRIDGE.

THE FOLLOWING UNFACTORED BEARING REACTIONS WERE USED FOR THE DESIGN OF THE ABUTMENTS:

DEAD LOAD = 15,600 LBS PER BEARING (VERTICAL)

UNIFORM LIVE LOAD = 13,500 LBS PER BEARING (VERTICAL)

VEHICLE LOAD = 5,000 LBS PER BEARING (VERTICAL)

THERMAL LOAD = 1,900 LBS PER BEARING (LONGITUDINAL)

WIND = +-1,925 LBS PER BEARING (VERTICAL)

= 6,000 LBS PER ABUTMENT (HORIZONTAL)

DESIGN DATA:

HELICAL PILES - SEE SPECIAL PROVISIONS

CONCRETE CLASS QC1 - COMPRESSIVE STRENGTH 4.0 KSI

(ABUTMENTS)

EPOXY COATED REINFORCING STEEL - MINIMUM YIELD STRENGTH 60 KSI

STRUCTURAL STEEL - OPEN SHAPES AND PLATES - ASTM A709 AND/OR ASTM A588, ASTM A242, ASTM A606

GRADE 50W (SELF WEATHERING, UNPAINTED)

CLOSED SHAPES/TUBES - ASTM A847 GRADE 50W (SELF WEATHERING, UNPAINTED)

ITEM 507 - PILING, MISC.: HELICAL PILES:

SEE SPECIAL PROVISION FOR ADDITIONAL REQUIREMENTS

- HELICAL SCREW PILES SHALL BE MANUFACTURED BY CHANCE CIVIL CONSTRUCTION, RAM JACK, MACLEAN-DIXIE OR
- PILES SHALL BE INSTALLED BY MANUFACTURER'S AUTHORIZED INSTALLATION CONTRACTOR WHO HAS SATISFIED THE CERTIFICATION REQUIREMENTS RELATING TO THE TECHNICAL ASPECTS OF THE PRODUCT AND THE INSTALLATION TECHNIQUES.
- ALL HELICAL PILES SHALL BE HOT-DIP GALVANIZED.
- 4. INSTALLATION TORQUE SHALL BE MONITORED THROUGHOUT THE INSTALLATION PROCESS.
- 5. HELICAL PILES SHALL BE INSTALLED TO THE MINIMUM TORQUE VALUE REQUIRED TO PROVIDE THE LOAD CAPACITIES SHOWN ON THE PLANS.
- 6. APPROPRIATE HELICAL PILE SELECTION WILL CONSIDER LRFD FACTORED DESIGN LOADS AND FACTORED GEOTECHNICAL RESISTANCE (OR ASD DESIGN LOADS WITH FACTOR OF SAFETY = 2), SOIL PARAMETERS AND THE INSTALLATION TORQUE VS. CAPACITY EQUATION AS PER THE MANUFACTURER'S RECOMMENDATIONS. MOST MANUFACTURER'S PILE TABLES ARE BASED ON ALLOWABLE STRESS DESIGN (ASD). THE GEOTECHNICAL RESISTANCE FACTOR IS 0.4 FOR LRFD DESIGN AND CAN BE 0.7 FOR LRFD AFTER PILE TEST IS PERFORMED.
- DESIGN OF THE HELICAL SCREW PILES AND ANCHORS SHALL BE SEALED BY A LICENSED PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF OHIO.

HELICAL PILE DATA SUMMARY:

PILE TYPE: ROUND SHAFT HELICAL PILE SHAFT MATERIAL: RS4500 (4.5" O.D. SCHEDULE 80) HELICAL CONFIGURATION: 10"/12"/14" HELICES MINIMUM PILE LENGTH: 20'-0" (VERTICAL PILES)

MINIMUM CAPACITY: 100.0 KIPS NOMINAL RESISTANCE IN LRFD FACTORED BEARING RESISTANCE: 04.xNOMINAL RESISTANCE = 40.0 KIPS IN LRFD

22'-0" (BATTERED PILES)

HELICAL PILE LOADS:

THE TOTAL LRFD FACTORED AXIAL LOAD IS 28.4 KIPS PER PILE

THE TOTAL ASD AXIAL LOAD IS 20.5 KIPS PER PILE

THE TOTAL LRFD FACTORED OR ASD LATERAL LOAD IS 9.7 KIPS REGISTERED BY 1 BATTERED PILE.

THE LRFD DESIGN TORQUE REQUIRED IS 12.7 K-FT FOR PILE DETAILS IN THIS SET OF PLANS. APPROVED EQUAL DESIGN MAY YIELD DIFFERENT DESIGN TORQUE.

PAYMENT: THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE BID FOR ITEM 507 - PILING MISC., HELICAL PILES, WHICH PRICE AND PAYMENT SHALL BE FULL COMPENSATION FOR ALL LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS NECESSARY TO COMPLETE THE WORK IN CONFORMANCE WITH THESE REQUIREMENTS.

ITEM 507 - PILING, MISC.: HELICAL PILE PRE-PRODUCTION LOAD TEST:

SEE SPECIAL PROVISION FOR ADDITIONAL REQUIREMENTS

PERFORM PRE-PRODUCTION LOAD TEST TO CONFIRM HELICAL PILE DESIGN AND INSTALLATION PARAMETERS PER THE

PAYMENT: THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE BID FOR ITEM 507 - PILING MISC.: HELICAL PILE PRE-PRODUCTION LOAD TEST, WHICH PRICE AND PAYMENT SHALL BE FULL COMPENSATION FOR ALL LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS NECESSARY TO COMPLETE THE WORK IN CONFORMANCE WITH THESE REQUIREMENTS.

ITEM 512 - SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)

TINT SO THAT THE FINAL COLOR IS FEDERAL COLOR STANDARD NO. 17778 - LIGHT NEUTRAL.

ITEM 530 - SPECIAL - STRUCTURES: ENGINEERED DECKING:

THE DECK SHALL BE CONSTRUCTED USING COMPOSITE DECKING, PVC DECKING, OR PLASTIC LUMBER. TIMBER DECKING WILL NOT

ONE SIZE OF BOARD SHALL BE USED FOR THE ENTIRE DECK LENGTH. THE DECK BOARDS SHALL SPAN THE BRIDGE TRANSVERSELY. ONE BOARD SHALL TRANSVERSE THE ENTIRE WIDTH OF THE DECK. ABUTTED PARTIAL BOARD LENGTHS OR SPLICED BOARDS WILL NOT BE ACCEPTED.

CONTRACTOR SHALL ENSURE THAT THE DECK BOARDS CAN RESIST THE UNIFORM LIVE LOAD AND VEHICLE LIVE LOAD LISTED IN THESE GENERAL NOTES. IF NECESSARY, THE CONTRACTOR MAY USE MORE LONGITUDINAL MEMBERS, AT A UNIFORM SPACING, TO SUPPORT THE DECK. SEE SECTION 2.0 OF THE ITEM 530 - SPECIAL - STRUCTURES: PREFABRICATED TRUSS.

DECKING COLOR SHALL BE LIGHT GRAY. FINAL DECKING COLOR SHALL BE APPROVED BY THE ENGINEER PRIOR TO ORDERING ANY

CONTRACTOR SHALL INSTALL THE DECKING USING WEATHER-RESISTANT FASTENERS. FASTENER SYSTEMS SUPPLIED BY THE DECKING SUPPLIER ARE ACCEPTABLE.

ALL LABOR, EQUIPMENT, AND MATERIALS NEEDED TO FURNISH AND INSTALL THE ENGINEERED DECKING SHALL BE INCLUDED WITH ITEM 530 - SPECIAL - STRUCTURES: ENGINEERED DECKING.

UNLESS NOTED OTHERWISE, PERFORM WORK IN ACCORDANCE WITH OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS (C&MS), DATED JANUARY 2023. REFERENCES TO THE "DEPARTMENT" OR "DEPARTMENT PERSONNEL" IN THE SPECIFICATIONS SHALL BE REPLACED WITH THE PRESERVATION PARKS OF DELAWARE COUNTY OR THEIR DESIGNATED REPRESENTATIVE. REFERENCES TO THE "ENGINEER" IN THESE NOTES REFER TO THE DESIGNATED REPRESENTATIVE OF THE PRESERVATION PARKS OF DELAWARE COUNTY.

ITEM 530 - SPECIAL - STRUCTURES: PREFABRICATED TRUSS

DESIGN, FABRICATE, SUPPLY, AND ERECT A STEEL PONY TRUSS PEDESTRIAN BRIDGE SUPERSTRUCTURE AS NOTED HEREIN AND SHOWN ON THE PLANS. ANY NOTES OR SPECIFICATIONS LISTED HEREIN AND SHOWN ON THE PLANS SHALL BE REGARDED AS MINIMUM STANDARDS FOR DESIGN AND CONSTRUCTION.

STRUCTURAL DESIGN SHALL BE PERFORMED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF OHIO AND DONE WITH RECOGNIZED ENGINEERING PRACTICES AND PRINCIPLES. DESIGN LOADS SHALL BE AS STIPULATED IN THE NOTE TITLED "DESIGN LOADING". SUPERSTRUCTURE DESIGN, INCLUDING THE DESIGN OF ALL CONNECTIONS, SHALL CONFORM TO THE AASHTO LFRD GUIDE SPECIFICATIONS FOR THE DESIGN OF PEDESTRIAN BRIDGES WITH CURRENT INTERIMS.

THE BRIDGE MANUFACTURER SHALL DESIGN THE PONY TRUSS TO CONFORM TO THE DIMENSIONS SPECIFIED IN THESE NOTES AND SHOWN ON SHEET S-001. THE LAYOUT OF TRUSS CHORDS, VERTICALS AND DIAGONALS SHALL BE SIMILAR TO THE LAYOUT SHOWN ON SHEET S-001. NO ALTERNATE TRUSS CONFIGURATIONS WILL BE ACCEPTED. THE BRIDGE MANUFACTURER SHALL DETERMINE THE SHAPES OF THE TRUSS MEMBERS (OPEN SHAPES AND PLATES OR TUBES) AND DESIGN CONNECTIONS BETWEEN TRUSS MEMBERS (BOLTED OR WELDED, WITH OR WITHOUT GUSSET PLATES). MAIN LOAD CARRYING TENSION MEMBERS SHALL MEET THE CHARPY-V NOTCH TOUGHNESS REQUIREMENTS PER ASTM A673.

THE BRIDGE MANUFACTURER SHALL DESIGN BEARINGS AND JOINTS TO WITHSTAND THE LOADS AND TO ALLOW THE NECESSARY EXPANSION AND CONTRACTION. BEARINGS SHALL BE FIXED AT REAR ABUTMENT AND SHALL BE DESIGNED TO ALLOW MOVEMENT UNDER THERMAL EXPANSION OR CONTRACTION AT THE FORWARD ABUTMENT. BEARINGS AND JOINTS SHALL MEET THE REQUIREMENTS OF C&MS 516. THE TOP SURFACE OF THE EXPANSION JOINT SHALL BE NON-SLIP AND COMPLY WITH ADA GUIDELINES WHEN INSTALLED.

THE BRIDGE MANUFACTURER SHALL DESIGN THE BRIDGE SPAN WITH A VERTICAL CAMBER AT MIDSPAN EQUAL TO 100% OF THE FULL DEAD LOAD DEFLECTION. INCLUDING THE WEIGHT OF THE DECK, DEFLECTIONS SHALL BE INVESTIGATED AT THE SERVICE LIMIT STATE IN ACCORDANCE WITH AASHTO LRFD. THE DEFLECTION OF THE BRIDGE DUE TO THE UNFACTORED PEDESTRIAN LIVE LOAD SHALL NOT EXCEED 1/360 OF THE SPAN LENGTH.

THE BRIDGE MANUFACTURER SHALL DETERMINE THE LOCATION, QUANTITY, DIAMETER, GRADE, FINISH (CORROSION RESISTANT HOT DIP GALVANIZED STEEL OR STAINLESS STEEL) AND EMBEDMENT OF BEARING ANCHOR BOLTS DESIGNED TO RESIST ALL HORIZONTAL AND UPLIFT FORCES TO BE TRANSFERRED FROM THE SUPERSTRUCTURE TO THE SUBSTRUCTURE. SUBSTRUCTURE DESIGN AND BEAM SEAT ELEVATIONS SHOWN ON THE PLANS ARE BASED ON ASSUMED VERTICAL DIMENSIONS FROM THE FINISHED DECK TO THE CONCRETE BEARING SEATS. THE BRIDGE MANUFACTURER SHALL USE STEEL PLATES AS NEEDED TO ACCOUNT FOR DIFFERENCES BETWEEN THE REQUIRED SEAT ELEVATION AND THE ACTUAL SEAT ELEVATION.

PROVIDE LONGITUDINAL MEMBERS BELOW THE DECK TO SUPPORT THE DECK PLANKS. SPACE MEMBERS AT NO MORE THAN 2'-0" CENTER TO CENTER. DECK BOARDS WILL ATTACH DIRECTLY TO THE LONGITUDINAL MEMBERS.

THE BRIDGE MANUFACTURER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE RAILING AS SPECIFIED IN THESE NOTES AND SHOWN ON THE PLANS (SHEET S-006). THE BRIDGE MANUFACTURER SHALL DESIGN THE TAB SYSTEM FOR CONNECTING THE U-EDGING TO THE TRUSS MEMBERS AND DECKING AS SPECIFIED ON THE RAILING DETAILS SHEET. THE BRIDGE MANUFACTURER SHALL ENSURE THAT ANY OPENINGS BETWEEN HORIZONTAL OR VERTICAL MEMBERS ON RAILINGS SHOULD BE LESS THAN 6" MEASURED FROM THE TOP OF THE DECK). THE MESH PANELS SHALL BE PROVIDED BY THE BRIDGE MANUFACTURER.

THE BRIDGE MANUFACTURER SHALL PROVIDE WRITTEN INSPECTION AND MAINTENANCE PROCEDURES TO BE FOLLOWED TO THE BRIDGE OWNER.

3.0 DIMENSIONS

THE BRIDGE SHALL HAVE THE FOLLOWING GEOMETRY:

OUT TO OUT OF DECK: 10'-0"

OUT TO OUT OF BRIDGE: 58'-0" (EQUAL WIDTH PANELS)

SUPERSTRUCTURE DEPTH (BEAM SEAT DEPTH): 1'-7\(\frac{1}{2}\)" (TOP OF DECK TO BEARING SEAT) HEIGHT: TOP OF TRUSS TOP CHORD SHALL BE 48" ABOVE THE DECK

4.0 MATERIALS

PROVIDE STRUCTURAL STEEL AS STIPULATED IN THE NOTE TITLED "DESIGN DATA". IF APPLICABLE, MAKE FIELD SPLICES AND CONNECTIONS USING HIGH STRENGTH FASTENERS, HEAVY HEX NUTS AND WASHERS SUITABLE FOR WEATHERING STEEL APPLICATIONS AND SATISFYING ASTM A325.

RAILING WIRE MESH PANELS SHALL BE 2" x 2" SQUARE WIRE MESH, OPENING SIZE 1.8130" x 1.8130", WELDED, 0.187" THICK (6 $\frac{1}{4}$ " GAUGE) WIRE DIAMETER, WITH GALVANIZED FINISH. U-EDGING SHALL BE CARBON STEEL, HOT ROLLED, 11 GAUGE (0.1196" THICK), TYPE 438 (3/8" OPENING x 1" WIDTH), WITH GALVANIZED FINISH. A SINGLE, ONE PIECE MESH PANEL SHALL INFILL THE ENTIRE AREA WITHIN U-EDGING IN EACH TRUSS BAY.

5.0 FABRICATION

THE FABRICATOR SHALL MEET LEVEL 6 QUALIFICATIONS PER C&MS 513.03.

IF APPLICABLE, WELDS FOR MAIN STRUCTURAL MEMBERS SHALL BE MADE USING E70 OR E80 WELDING ELECTRODES WITH SIMILAR WEATHERING CHARACTERISTICS AS THE BASE MATERIAL. FILLER METAL SHALL BE IN ACCORDANCE WITH THE APPLICABLE AWS FILLER METAL SPECIFICATION. WELDING SHALL CONFORM TO THE APPROPRIATE ANSI/AWS PROVISIONS.

WELDERS SHALL BE PROPERLY ACCREDITED EXPERIENCED OPERATORS, EACH OF WHOM SHALL SUBMIT CERTIFICATION OF SATISFACTORILY PASSING AWS STANDARD QUALIFICATION TESTS FOR ALL POSITIONS WITH UNLIMITED BASE METAL THICKNESS AND HAVE AT LEAST 6 MONTHS EXPERIENCE AND HAVE DEMONSTRATED THE ABILITY TO MAKE UNIFORM GOOD WELDS MEETING THE SIZE AND TYPE OF WELD REQUIRED. WELDING AND WELD PROCEDURE QUALIFICATION TESTS SHALL CONFORM TO AWS

ALL WELDS, INCLUDING TAB SYSTEM WELDS, AND BOLTED CONNECTIONS SHALL BE PERFORMED IN THE SHOP WHENEVER POSSIBLE. THE NUMBER OF UNASSEMBLED BRIDGE PIECES AND COMPONENTS TO BE DELIVERED TO THE SITE SHALL BE MINIMIZED.

THE BRIDGE SHALL BE INSPECTED BY A CERTIFIED WELD INSPECTOR (CWI) THAT IS QUALIFIED UNDER THE AWS QC-1 PROGRAM. THIS INSPECTION SHALL INCLUDE AS A MINIMUM REQUIREMENT THE FOLLOWING ITEMS, IF APPLICABLE: REVIEW OF SHOP DRAWINGS, WELD PROCEDURES, WELDER QUALIFICATIONS AND WELD TEST REPORTS, VISUAL INSPECTION OF WELDS AND VERIFICATION OF OVERALL DIMENSIONS AND GEOMETRY OF BRIDGE. A REPORT SHALL BE PRODUCED INDICATING THE ABOVE ITEMS WERE REVIEWED. THE REPORT SHALL BE SIGNED BY THE CWI, SIGNIFYING COMPLIANCE WITH THE APPLICABLE AWS CODES.

THE FABRICATOR SHALL PROVIDE WEEP HOLES IN ANY TRUSS STRUCTURAL MEMBER WHICH COULD HOLD WATER EITHER DURING CONSTRUCTION OR DURING SERVICE. WEEP HOLES SHALL PROVIDE POSITIVE DRAINAGE AND SHALL BE LOCATED AT THE LOWEST POINT OF THE MEMBER.

6.0 SUBMITTALS

THE BRIDGE MANUFACTURER SHALL SUBMIT SHOP DRAWINGS AND STRUCTURAL DESIGN CALCULATIONS FOR THE STEEL STRUCTURE, BEARINGS, AND JOINTS ACCORDING TO C&MS 501.04, 501.05 AND 513.06. THE BRIDGE MANUFACTURER SHALL SUBMIT SHOP DRAWINGS AND STRUCTURAL CALCULATIONS TO THE ENGINEER AND TO THE CONTRACTOR FOR ACCEPTANCE PRIOR TO BEGINNING FABRICATION.

SHOP DRAWINGS SHALL BE UNIQUE DRAWINGS PREPARED TO ILLUSTRATE THE SPECIFIC PORTION OF THE WORK TO BE DONE ALL RELATIVE DESIGN INFORMATION INCLUDING BUT NOT LIMITED TO GOVERNING CODES, DESIGN PARAMETERS, MEMBER SIZES MATERIAL PROPERTIES, BRIDGE REACTIONS, SHOP AND FIELD CONNECTION DETAILS, DECK DETAILS, RAILING DETAILS AND ANY DIMENSIONS RELATED TO SUBSTRUCTURES AND GENERAL NOTES SHALL BE CLEARLY SPECIFIED ON THE DRAWINGS. SHOP DRAWINGS SHALL BE ACCURATELY PREPARED BY SKILLED DRAFTERS AND SHALL BE COMPLETE IN EVERY RESPECT. DRAWINGS SHALL HAVE CROSS-REFERENCED DETAILS AND SHEET NUMBERS.

AS PART OF THE PREFABRICATED BRIDGE SHOP DRAWINGS SUBMITTAL, SUBMIT STRUCTURAL DESIGN CALCULATIONS. STRUCTURAL CALCULATIONS FOR THE BRIDGE SUPERSTRUCTURE SHALL INCLUDE ALL DESIGN INFORMATION NECESSARY TO DETERMINE THE STRUCTURAL ADEQUACY OF THE BRIDGE. CALCULATIONS MUST BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF OHIO.

THE OWNER MUST PROVIDE A WRITTEN ACCEPTANCE LETTER OF SHOP DRAWINGS TO CONFIRM TYPE, STYLE AND GENERAL APPEARANCE OF PREFABRICATED STRUCTURE IN ACCORDANCE WITH CONTRACT DOCUMENTS.

WRITTEN ACCEPTANCE FROM ENGINEER, OWNER AND CONTRACTOR MUST BE PROVIDED PRIOR TO INITIATING FABRICATION.

CONTRACTOR SHALL PROVIDE WRITTEN ACCEPTANCE OF MILL TEST REPORTS FROM SUPPLIER SHOWING COMPLIANCE WITH C&MS 711.01.

7.0 DELIVERY AND ERECTION

THE BRIDGE MANUFACTURER SHALL BE RESPONSIBLE FOR SUPPLYING THE PREFABRICATED STEEL TRUSS, BEARING DEVICES, JOINTS AND RAILING.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL OTHER MATERIALS, LABOR AND EQUIPMENT NECESSARY TO PERFORM THE WORK AS SHOWN ON THESE PLANS AND AS DIRECTED BY THE BRIDGE MANUFACTURER.

THE CONTRACTOR SHALL COORDINATE WITH THE BRIDGE MANUFACTURER AND THE OWNER REGARDING THE DELIVERY AND ERECTION SCHEDULE. HAULING PERMITS AND FREIGHT CHARGES SHALL BE THE RESPONSIBILITY OF THE MANUFACTURER. DELIVERY TO THE JOB SITE SHALL BE BY TRUCKS BY MEANS OF GOOD HAUL ROADS UNLESS SPECIFIED OTHERWISE. THE BRIDGE MANUFACTURER SHALL PROVIDE DETAILED. WRITTEN INSTRUCTION PROCEDURES FOR PROPER LIFTING AND SPLICING/BOLTING/ATTACHMENT OF BRIDGE COMPONENTS. THE CONTRACTOR SHALL PROVIDE A DETAILED WRITTEN ERECTION PLAN TO THE ENGINEER. THE CONTRACTOR SHALL VERIFY THAT THE PREFABRICATED BRIDGE CAN ACCOMMODATE SUBSTRUCTURE DIMENSIONS, WIDTHS AND ELEVATIONS AS SHOWN ON THESE PLANS. IF ANY ADJUSTMENTS ARE REQUIRED, THEY SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING AND CONSTRUCTING THE DECK AFTER THE PREFABRICATED TRUSS HAS BEEN SECURED TO THE ABUTMENTS. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE PREFABRICATED BRIDGE MANUFACTURER AND THESE PLANS.

THE CONTRACTOR SHALL COORDINATE WITH THE BRIDGE FABRICATOR TO OBTAIN ADEQUATE EQUIPMENT TO ERECT, LIFT AND INSTALL THE PREFABRICATED BRIDGE. THIS INCLUDES SPREADER BEAMS IF REQUIRED TO ENSURE THAT NO PORTION OF THE OF THE BRIDGE IS OVERSTRESSED DURING INSTALLATION OF THE STRUCTURE.

PAYMENT FOR THE PREFABRICATED STEEL TRUSS SHALL BE MADE AT A LUMP SUM BID PRICE AND SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING ITEMS: PREFABRICATED STEEL TRUSS, BEARING DEVICES AND JOINTS, AND RAILING. PAYMENT SHALL INCLUDE ALL MATERIALS, LABOR, EQUIPMENT AND INCIDENTALS NECESSARY TO COMPLETE THE WORK AS DESCRIBED IN THESE NOTES AND SHOWN ON THE PLANS.

THE OWNER SHALL NOT BE RESPONSIBLE FOR ADDED EXPENSE DUE TO UNAVOIDABLE DELAYS SUCH AS INCLEMENT WEATHER, DELAYS IN PERMITS, RE-ROUTING BY PUBLIC AGENCIES, ETC.

ITEM 601 - ROCK CHANNEL PROTECTION, TYPE C WITH FILTER FABRIC, AS PER PLAN ROCK CHANNEL PROTECTION BROKEN STONE SHALL BE SANDSTONE.



PARKS SOUNT SEEK PA NG LO ING LO GE PRO WATION I WARE CO MON CRE A PARKINAN BRIDG йŌ

PR62963 **JUNE 2025** DESIGNED BY: BWC DRAWN BY: AAA JMK CHECKED BY: APPROVED BY: NOTED STRUCTURE GENERAL NOTES

SHEET IDENTIFICATION



DELAWARE COUNTY
MCCAMMON CREEK PARK
EAST AREA PARKING LOT AND
PEDESTRIAN BRIDGE PROJECT
JUNE 2025

	DATE					
REVISIONS	DESC					
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JO	B NO:		F	R6	296	33

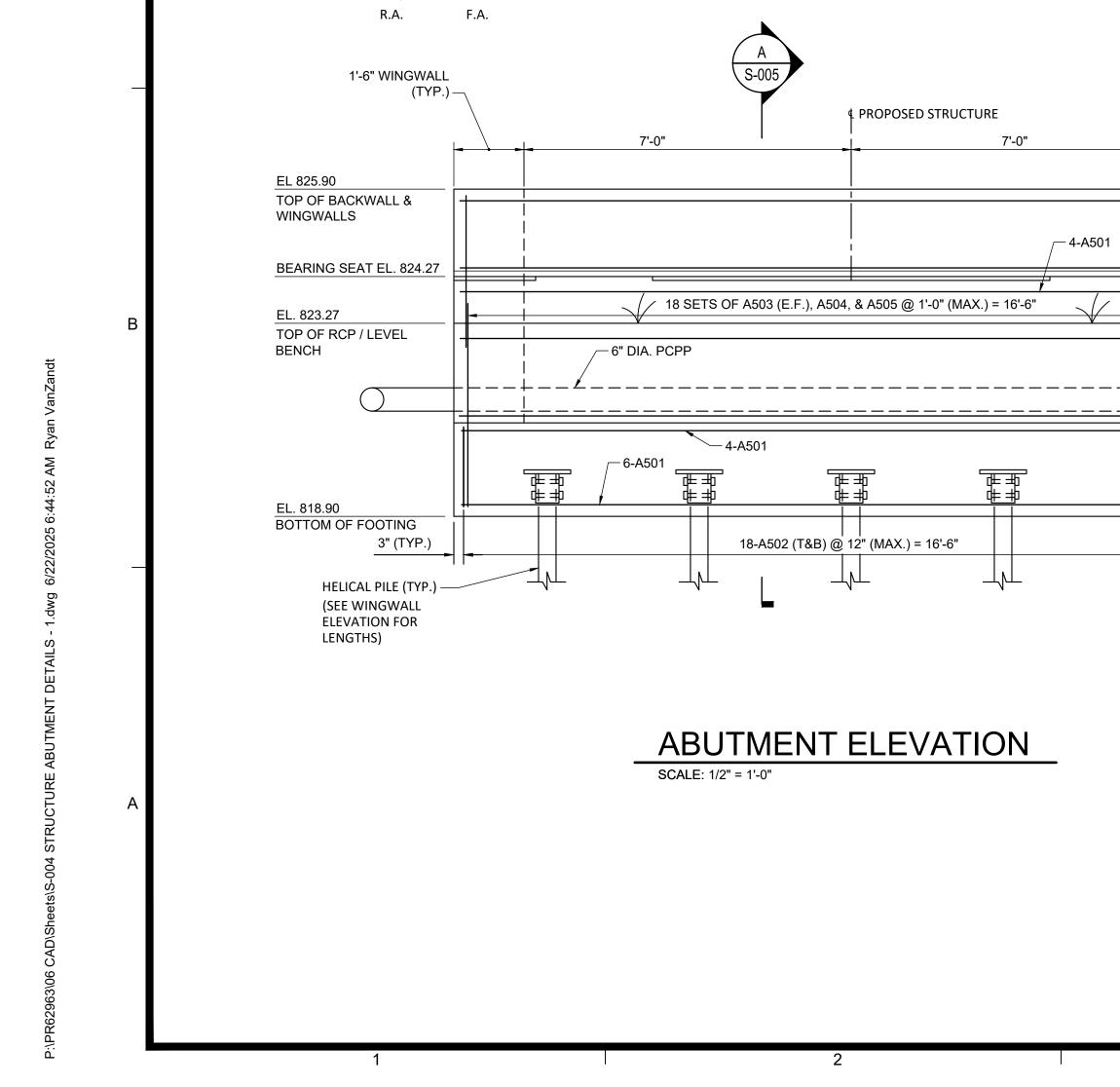
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SHEET IDENTIFICATION

S-003

SHEET: 14

			ESTIMATED QUANTITIES	CALC	DATE	CHK'D	DATE
			LOTIMATED QUANTITIES	BWC	6/11/25	JMK	6/12/25
ITEM	EXTENSION	UNIT	DESCRIPTION	SUBSTR.	SUPERSTR.	GENERAL	PAGE NUMBER
503	21100	CY	UNCLASSIFIED EXCAVATION	44			
507	98000	FT	PILING, MISC.: HELICAL PILES	332			S-002
507	98010	EACH	PILING, MISC.: HELICAL PILES PRE-PRODUCTION LOAD TEST	1			S-002
509	10000	POUND	EPOXY COATED REINFORCING STEEL	3149			
511	43510	CY	CLASS QC1 CONCRETE, ABUTMENT INCLUDING FOOTING	32			
512	10100	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	27			
517	76300	FT	RAILING, MISC.: TIMBER APPROACH RAILING			64	S-007
518	21200	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	10			
518	40000	FT	6" PERFORATED CORRUGATED PLASTIC PIPE	28			
518	40012	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE	52			
530	00200	LS	SPECIAL - STRUCTURES: PREFABRICATED STEEL TRUSS		LS		S-002
530	00600	SF	SPECIAL - STRUCTURES: ENGINEERED DECKING		580		S-002
601	32201	CY	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER, AS PER PLAN			21	S-002
624	10000	LS	MOBILIZATION			LS	



PROPOSED STRUCTURE

— STA. 7+78.24 (R.A.) STA. 8+39.24 (F.A.)

4'-3"

17'-0"

ABUTMENT PLAN

(REAR ABUTMENT SHOWN, FORWARD

2'-6"

LEVEL SEAT

8'-6"

4'-3"

SCALE: 1/2" = 1'-0"

ABUTMENT SIMILAR)

2'-6"

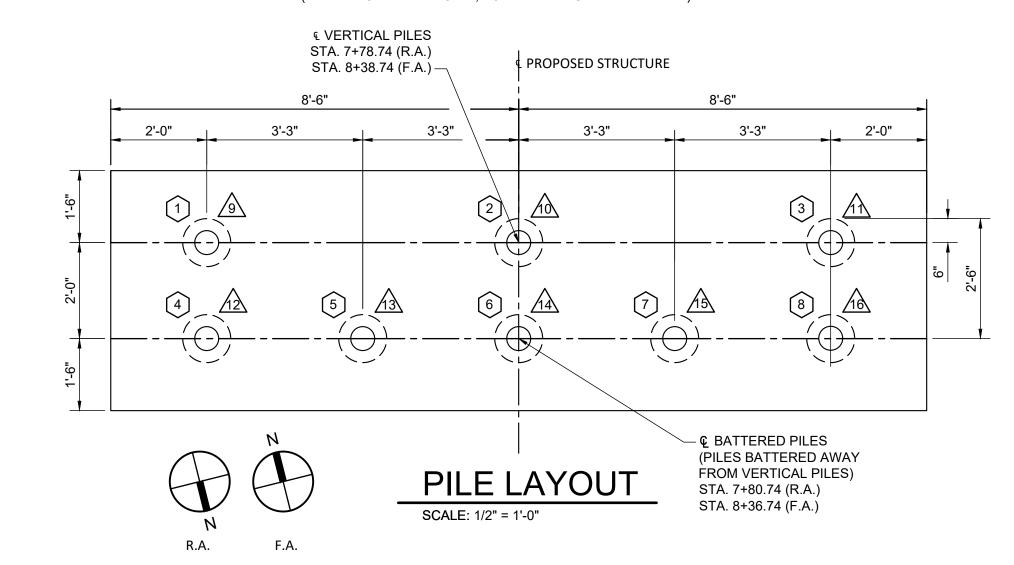
LEVEL SEAT

__6" DIA. P.C.P.P.

5'-0" WINGWALL EL. 825.90 TOP OF WINGWALL - OPTIONAL C.J. EL. 824.27 BEARING SEAT ___10"__ EL. 823.27 TOP OF RCP / LEVEL BENCH - A508 (E.F.) MATCH EXISTING GRADE EL. 818.90 BOTTOM OF FOOTING 14" DIA. (TYP.) HELICAL PILE (TYP.) -12" DIA. (TYP.) -10" DIA. (TYP.) -

WINGWALL ELEVATION

(ABUTMENT AND FOOTING REINFORCING NOT SHOWN) (REAR ABUTMENT SHOWN, FORWARD ABUTMENT SIMILAR)



LEGEND:

- Δ = 1" SLOPE BETWEEN LEVEL SEATS AND OUTSIDE OF LEVEL SEATS
- B = 3-A506 (E.F.) @ EQ. SPA.
- C = 3 SETS OF A503 (E.F.) & A504 (TOP) @ 12" (MAX.) = 1'-10"
- D = 1 S.O. 3-A509 @ 12" (MAX.) = 1'-10"
- (X) = PILE NUMBER AT R.A.
- = PILE NUMBER AT F.A.

NOTES:

- 1. NPCPP LENGTHS SHALL BE AS FOLLOWS: RA: 12'-0"
- FA: 10'-0"
- 2. MINIMUM LAP LENGTH FOR #5 BAR SHALL BE 2'-1"
- 3. THE MINIMUM CONCRETE COVER SHALL BE 2" UNLESS NOTED OTHERWISE.

PR62963 JUNE 2025 DESIGNED BY: BWC DRAWN BY: AAA JMK CHECKED BY: APPROVED BY: NOTED STRUCTURE ABUTMENT DETAILS - 1

SHEET IDENTIFICATION S-004

3-A501 (E.F.) @ 12" MAX.

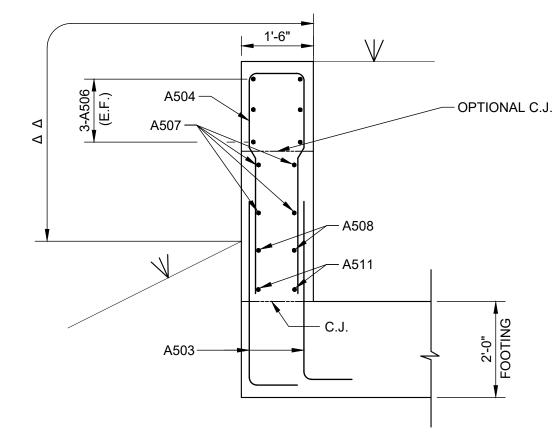
3-A501 (E.F.) @ 12" MAX.

- 6" DIA. N.P.C.P.P.

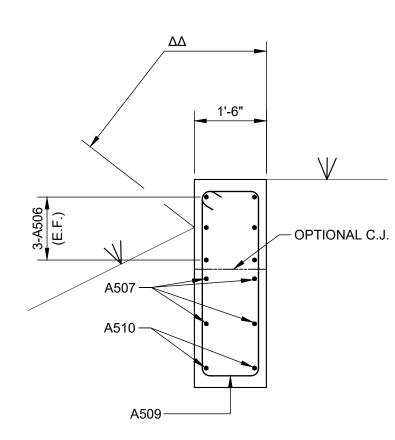
OUTLET AT GRADE (TYP.)

ΔΔ

SECTION A-A SCALE: 1/2" = 1'-0" (ALL BARS NORMAL TO THE SECTION ARE A501 BARS)



SECTION B-B SCALE: 1/2" = 1'-0" (FOOTING REINFORCING NOT SHOWN)



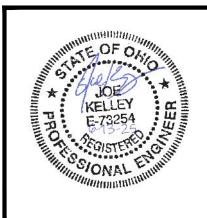
SECTION C-C SCALE: 1/2" = 1'-0"

LEGEND:

- * = POROUS BACKFILL WITH GEOTEXTILE FABRIC (SEE NOTE 1)
- Δ = 1" SLOPE BETWEEN BEARING SEATS
- $\Delta\Delta$ = LIMITS OF SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)
- E = 4-A501 SPACED AS SHOWN (TOP) 6-A501 @ 12" (MAX.) = 4'-6" (BOTTOM)

NOTES:

- 1. TURN GEOTEXTILE FABRIC UP 6" AT BASE AND DOWN 6" AT TOP OF BACKWALL AND WINGWALLS.
- 2. BEARING ANCHOR BOLT LOCATIONS SHALL BE COORDINATED WITH THE PREFABRICATED BRIDGE MANUFACTURER. ANCHORS SHALL BE EITHER CAST-IN-PLACE OR POST-INSTALLED AS DIRECTED BY THE BRIDGE MANUFACTURER. REINFORCING STEEL IN THE VICINITY OF ANCHORS SHALL BE ADJUSTED TO AVOID INTERFERENCE.
- 3. MINIMUM LAP LENGTH FOR #5 BAR SHALL BE 2'-1".
- 4. THE MINIMUM CONCRETE COVER SHALL BE 2" UNLESS NOTED OTHERWISE.



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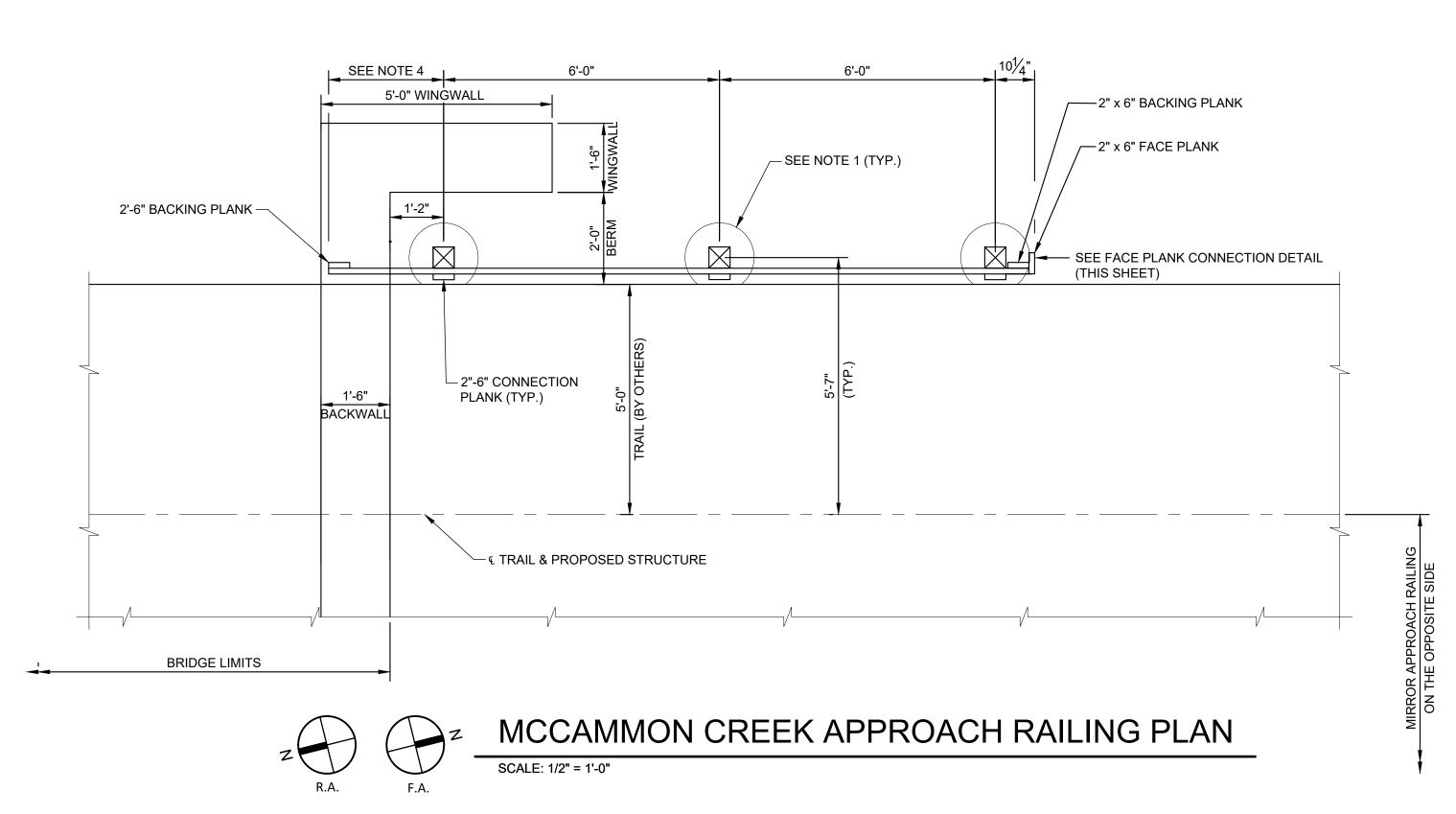
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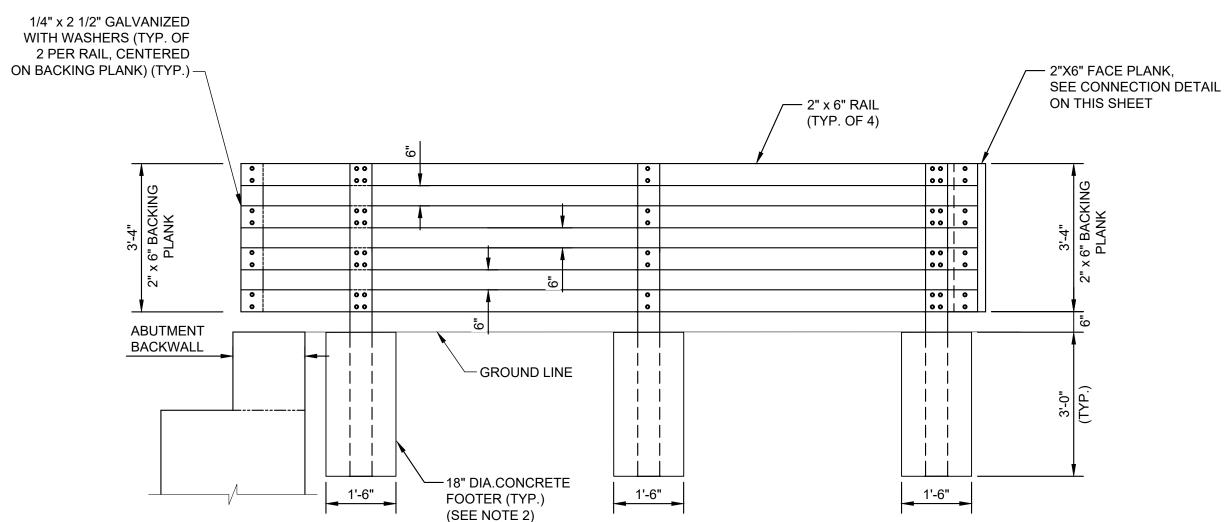
330 RUSH ALLEY
SUITE 700
COLUMBUS, OH 43215
GESS & NIPLE

PRESERVALION FARRS OF
DELAWARE COUNTY
MCCAMMON CREEK PARK
EAST AREA PARKING LOT AND
PEDESTRIAN BRIDGE PROJECT
JUNE 2025

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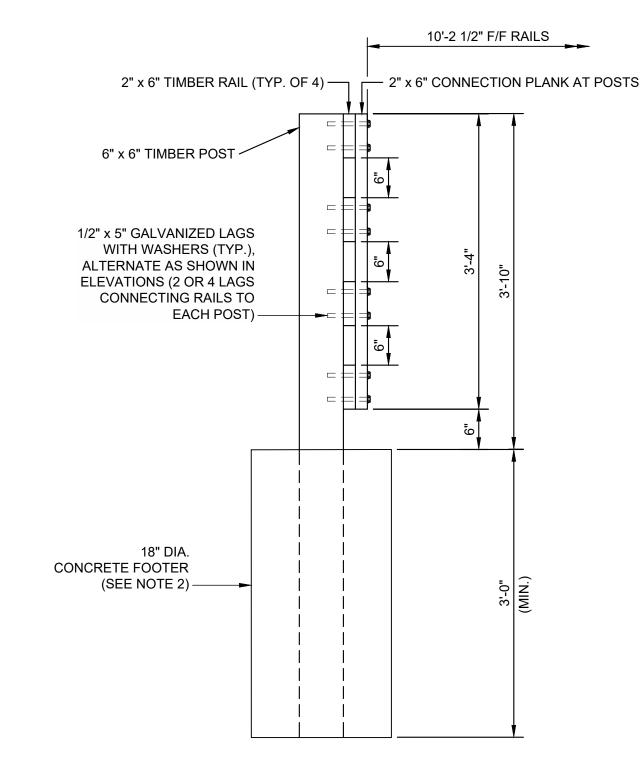
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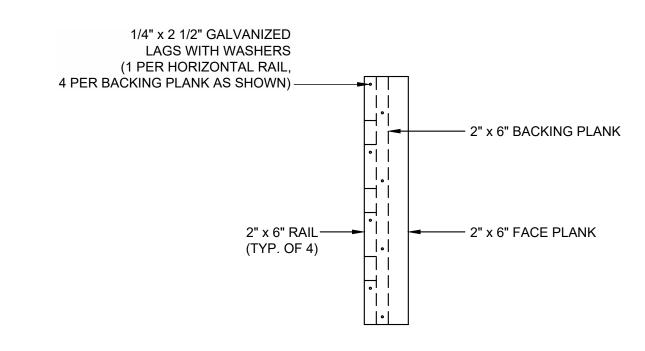
APPROACH RAILING ELEVATION

SCALE: 1/2" = 1'-0"



APPROACH RAILING SECTION

SCALE: 1" = 1'-0"

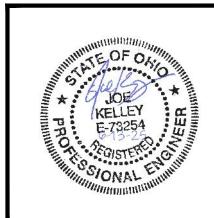


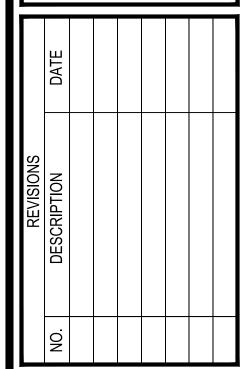
FACE PLANK CONNECTION DETAIL

SCALE: 1" = 1'-0"

NOTES:

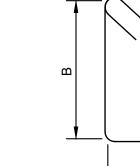
- 1. FORM FOR THE CONCRETE POST FOOTER SHALL BE CLIPPED AS SHOWN FOR THE TOP 6" OF THE FORM.
- 2. CONCRETE FOR THE POST FOOTERS SHALL BE CLASS QC1 PER C&MS 511 AND 499.
- 3. ALL FASTENERS SHALL BE GALVANIZED ASTM A307, OR ASTM A36.
- 4. DIMENSION SHALL BE DETERMINED BASED ON TERMINATION OF RAILING AT 2" FROM THE BRIDGE END.
- 5. LUMBER SHALL BE SOUTHERN YELLOW PINE NO. 2 OR BETTER, ACCORDING TO THE SOUTHERN PINE INSPECTION BUREAU (SPIB), SEASONED AT 19% MOISTURE CONTENT. EACH PIECE SHALL BE FACTORY-MARKED WITH GRADE STAMP OF INSPECTION AGENCY VERIFYING COMPLIANCE WITH GRADING RULE REQUIREMENTS AND IDENTIFYING GRADING AGENCY, GRADE, SPECIES, MOISTURE CONTENT AND MILL. ALL LUMBER SHALL BE TREATED PER C&MS 712.06.
- RAIL SPLICES SHALL NOT BE PERMITTED. EACH RAIL SHALL BE A SINGLE PLANK.
- 7. CONCRETE FORMS, CONCRETE, TIMBER, AND HARDWARE SHALL BE INCLUDED WITH ITEM 517 RAILING, MISC.: TIMBER APPROACH RAILING.

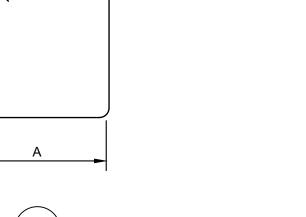


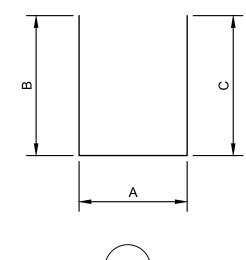


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REINFORCING STEEL LIST









NOTES

1. ALL REINFORCING STEEL SHALL BE EPOXY COATED.

2. BAR SIZE: THE BAR SIZE IS INDICATED IN THE BAR MARK. THE MARK BEGINS WITH TWO OR THREE LETTERS OR NUMBERS THAT IDENTIFY THE BAR LOCATION. THE NEXT ONE OR TWO DIGITS INDICATE THE BAR SIZE, AND THE REMAINING TWO DIGITS ARE THE SEQUENCE NUMBER.

EXAMPLE: A501

A = ABUTMENT BAR

5 = #5 BAR01 = BAR SEQUENCE NUMBER 1

3. BAR DIMENSIONS SHOWN ARE OUT-TO-OUT UNLESS

OTHERWISE INDICATED.

4. STR. IN THE BAR TYPE COLUMN INDICATES A STRAIGHT BAR.5. INCR. INDICATES THE LENGTH INCREMENT FOR SERIES BARS.

KELLEY E-73254

PRESERVATION PARKS OF
DELAWARE COUNTY
MCCAMMON CREEK PARK
EAST AREA PARKING LOT AND
PEDESTRIAN BRIDGE PROJECT
JUNE 2025

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_	6.0 FEB	ET BELOW SU	JRFACE	E AT C	OMPL	ETIO	N	Few			5 to 10%	0 - 10	Loos	e 0	- 4	
_	FEI	ET BELOW SU	JRFACE	E AT 24	4 HOU	RS		Little			15 to 25% 30 to 45%	10 - 30 30 - 50	Medium Dens Dens	8 1	- 8 - 15	Medium
_	FEI	ET BELOW SU	JRFACE	E AT		HOUF	RS	Mos			50 to 100%	50 +	Very Dens	e 15	- 30 +	Very
	LOCAT	ION OF BC	RING		Se	ee Bo	ring L	oca	tion P	lan	1					
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DEPTH	Penetrometer (tsf)	Depths	of	L.	Samp om		Densit or	ty c	Change			Remarks in	nclude color, ty	oe of soi		
🖺	(131)	From To	Sample		6-12			st. I	Depth*			Rock-cole	or, type, conditi	on, hard	ness	
	3.0	0.0-2.0	SS	2	2	3	V Mo	ist_	0.8		Topsoil					
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	4.0	2.0-4.0	33	6		-	V IVIO	151			moderate pr	astroney, me	or o sund			
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-	<0.25	6.0-8.0	SS	5 W/II	WH	2	V Ma	iat	6.0		Dorle Crove S	Silt with Co.	nd (ML) - lov	v plaati	oitu to n	on nlogti
	<u>\0.23</u>	0.0-6.0	33	WH			V Mo	151			little f sand,	trace organ	nics	v piasti	city to I	ion-piasti
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10		10.0-12.0	SS	WH	1	3	VMo	:	10.0	Ш	Carry Ciltar C	and (CM)	an a atley fran	ما المسم	41a ail4	
		10.0-12.0	33	1 4	1	3	V Mo	ısı	12.0		Water seep		- mostly f-m	sanu, m	uie siii	
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		140160	CC	2	_	1	V.M.	:_4			sand, some	gravel, littl	le silt			
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		23.5-25.0	SS	11	10	12	Moist	,			Gray Poorly mostly f-c s	Graded Stand Some	and with Silt gravel, few s	and Gr ilt	avel (Sl	P-SM) -
25		23.3-23.0	55	111	10	12	IVIOISC			?		, 20	<i>B</i>			
25]									
							-									
		28.5-30.0	SS	4	5	6	Moist	:	28.5		C C 1	T an :: C1	(CI) 1 1	1 4211 - 1	1	دند نه
30											f-c sand, fev	Lean Clay v gravel	(CL) - glacia	u uII - I	ow pias	ucity, soi
							-				,	-				
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		33.5-33.8	SS	50/4"			Moist		34.0							
35							-				Gray Sandst	one - mode	erately weath	ered		
							-									
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		38.5-38.7	SS	50/2"				-	38.7	鬥			OM OF BOR	ING.	 12 7'	
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CLIE		Preser							NO. <u>25-G-29919</u> DATE DRILLED <u>3/5/20</u>
	GROU	J ND WAT I	ER OB	SER	VAT	ION		-	tions Used Less than 5% 140 lb Wt. x 30" fall on 2" O.D. Sampler Cohesionless Density Cohesive Consister
_	7.0 FEE	ET BELOW SU	JRFACE	AT C	OMPL	ETIO	N Fe	race ew	5 to 10% 0 - 10 Loose 0 - 4
_	FEE	ET BELOW SU	JRFACE	AT 24	HOU	RS	I	ttle me	15 to 25 % 16
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TH	Pocket Penetrometer	Sample	Туре		ws per Samp		Moisture Density	Strata	SOIL IDENTIFICATION
DEPTH	(tsf)	Depths From To	of Sample	Fre	om ¯′	То	or	Change Depth*	Remarks include color, type of soil, etc. Rock-color, type, condition, hardness
	2.5	0.0-2.0		2	6-12	12-18 3	Consist. V Moist		Topsoil
				4				0.5	Brown Stained to Mottled Lean Clay with Sand (CL) -
	4.25	2.0-4.0	SS	5	3	4	Moist		moderate plasticity, little f-c sand
_	1.0	4.0-6.0	SS	5	4	4	V Moist		
3	0.5	(0.00	GG	5					Water seepage at 6'
	0.5	6.0-8.0	SS	WH 2	2	2	V Moist	8.0	sand layers noted from 8'-9'
	0.5	8.0-10.0	SS	2	2	2	V Moist		Brown Sandy Lean Clay (CL) - moderate plasticity, some f-
10	0.25	10.0-12.0	SS	3	3	2	V Moist		sand, few gravel
	0.23	10.0-12.0	33	3	5		V WIOISI		
		12.0-14.0	SS	5	4	4	Wet	13.0	
		14.0-16.0	SS	5	6	5	Wet	15.0	Gray Silty Sand (SM) - mostly f-m sand, little silt
15				6]	13.0	Gray Silty, Clayey Sand with Gravel (SC-SM) - mostly f-c sand, some gravel, little silt
		16.0-18.0	SS	8	8	12	Wet		sand, some gravel, little silt
		18.0-19.5	SS	8	25	50	Wet		
20									# 10
							-		
	4.5	22.5.25.0	a a	1.5	10	2.5		23.5	歌) ・ ・ ・ ・
	4.5	23.5-25.0	SS	15	18	25	Damp	23.3	Gray Silty Clay with Sand (CL-ML) - low plasticity, little f-
25									sand, trace gravel
							_		
	4.5	28.5-30.0	SS	18	28	39	Damp		
30]		
							_	32.0	
								52.0	Gray Sandy Lean Clay (CL) - glacial till - low plasticity, son
	4.0	33.5-35.0	SS	20	22	27	Moist	35.0	f-c sand, few gravel
35								33.0	Gray Silty Sand (SM) - mostly f sand, little silt
		38.5-40.0	SS	15	29	35	V Moist		
		20.0 10.0						40.0	BOTTOM OF BORING: 40'

330 RUSH ALLEY SUITE 700 COLUMBUS, OH 43215 BURGESS & NIPLE

PRESERVATION PARKS OF
DELAWARE COUNTY
MCCAMMON CREEK PARK
EAST AREA PARKING LOT AND
PEDESTRIAN BRIDGE PROJECT
JUNE 2025

	DATE				
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DRAWN BY:	AAA				
CHECKED BY:	JMK				
APPROVED BY:					
SCALE:	NOTED				
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SHEET IDENTIFICATION
S-009

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SPECIAL ITEM: SOLAR POWERED GATE OPERATOR:

 PROVIDE SOLAR POWERED GATE OPERATOR, LIFTMASTER LA412XL OR EQUAL WITH ACCESSORIES LISTED BELOW TO PROVIDE A COMPLETE OPERATIONAL SYSTEM. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. ROUTE CONDUCTORS IN 3/4" UNO PVC CONDUIT SUITABLE FOR DIRECT BURIAL AND SUNLIGHT RESISTANT.



CONDUIT TO AUTOMATIC GATE OPENER EXIT SENSOR -



AUTO OPENER PARTS LIST

LA412XL-MC PRIMARY SOLAR OPERATOR

LA412 SECONDARY OPENER

20W UPGRADED SOLAR

PACKAGE

12V35AH UPGRADED BATTERY

LV 7 DAY TIMER

FT50 EXIT SENSOR

WIRELESS KEYPAD

BYPASS TOGGLE SWITCH

└─1" CONDUIT UNDER ROADWAY TO SECONDARY OPENER.

SOLAR POWERED GATE OPERATOR

SCALE: NOT TO SCALE

LEGEND

ASPHALT PAVEMENT

CONCRETE WALK

PEDESTRIAN BRIDGE

COLLEEN M E-80924

PR62963 JUNE 2025 DESIGNED BY: JW DRAWN BY: AC CHECKED BY: CN CN APPROVED BY: NOTED ELECTRICAL SITE PLAN

SHEET IDENTIFICATION
E-100

SHEET: 21 OF 22

SECTION 26 01 00 - ELECTRICAL GENERAL PROVISIONS

THE PROVISIONS OF THE INSTRUCTIONS TO BIDDERS, GENERAL CONDITIONS, SUPPLEMENTARY CONDITIONS, ALTERNATES, AND ADDENDA ARE A PART OF THIS SPECIFICATION. ELECTRICAL, CIVIL, STRUCTURAL, AND ALL OTHER DRAWINGS AS WELL AS THE SPECIFICATIONS FOR ALL THE DIVISIONS SHALL BE DEFINED AS THE CONTRACT DOCUMENTS. CONTRACTOR SHALL REVIEW ENTIRE SET OF CONTRACT DOCUMENTS PRIOR TO BIDDING FOR ADDITIONAL PROJECT REQUIREMENTS WHICH MAY AFFECT WORK UNDER THIS DIVISION.

VISIT THE SITE OF THE WORK AND BECOME FAMILIAR WITH THE CONDITIONS AFFECTING THE INSTALLATION. SUBMISSION OF A PROPOSAL SHALL PRESUPPOSE KNOWLEDGE OF SUCH CONDITIONS AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED WHERE EXTRA LABOR OR MATERIALS ARE REQUIRED BECAUSE OF IGNORANCE OF THESE CONDITIONS. **DEFINITIONS**:

"CONTRACTOR" AS USED WITHIN THE CONTEXT OF THE ELECTRICAL CONTRACT DOCUMENTS SHALL EXPLICITLY REFER TO THE "ELECTRICAL CONTRACTOR" AND THE ELECTRICAL CONTRACTOR'S "SUBCONTRACTORS".

THE TERM "FURNISH" SHALL MEAN TO SUPPLY AND DELIVERY TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS.

THE TERM "INSTALL" SHALL MEAN WORK WHICH INCLUDES THE ACTUAL UNLOADING, UNPACKING, ASSEMBLY, ERECTING, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS.

THE TERM "PROVIDE" SHALL MEAN TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE.

THE TERM "EQUAL" SHALL MEAN TO MEET OR EXCEED THE STANDARDS OF THE SPECIFIED PRODUCTS OR LISTED MANUFACTURERS.

THE TERM "CONTRACT DOCUMENTS" SHALL REFER TO THE COMPLETE SET OF DRAWINGS AND SPECIFICATIONS FOR ALL DIVISIONS INCLUDED IN THE PROJECT.

INCLUDE ALL LABOR, MATERIAL, EQUIPMENT, SERVICES AND PERMITS NECESSARY FOR THE PROPER COMPLETION OF ALL ELECTRICAL WORK SHOWN. ITEMS OMITTED, BUT NECESSARY, TO MAKE THE ELECTRICAL SYSTEMS COMPLETE AND WORKABLE SHALL BE UNDERSTOOD TO FORM PART OF THE WORK. SECURE AND PAY FOR PERMITS AND INSPECTIONS REQUIRED FOR ELECTRICAL WORK.

IT IS THE PURPOSE OF THE ELECTRICAL DRAWINGS TO INDICATE THE APPROXIMATE LOCATION OF ALL EQUIPMENT, DEVICES, ETC. ASCERTAIN EXACT LOCATIONS AND ARRANGE WORK ACCORDINGLY. THE RIGHT IS RESERVED TO EFFECT REASONABLE CHANGES IN THE LOCATION OF DEVICES UP TO THE TIME OF ROUGHING-IN, WITHOUT ADDITIONAL COST TO THE OWNER CHANGES IN LOCATION OF DEVICES RESULTING FROM THE CONTRACTOR'S FAILURE TO COMPLY WITH THE CONTRACT DRAWING OR SPECIFICATION REQUIREMENTS SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER.

INCLUDE ALL TESTING, TEST REPORTS, SYSTEM PROGRAMMING AND WARRANTIES FOR EACH SYSTEM AS OUTLINED ELSEWHERE IN THESE SPECIFICATIONS.

WORK SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE PROVISIONS OF LOCAL AND STATE CODES, AS WELL AS THE NATIONAL ELECTRICAL CODE (NEC), AS INTERPRETED BY THE LOCAL AUTHORITY HAVING JURISDICTION

CONSULT THE DRAWINGS, PRODUCT DATA AND SHOP DRAWINGS COVERING THE WORK FOR VARIOUS OTHER TRADES, THE FIELD LAYOUTS OF THE CONTRACTORS FOR THE TRADE AND MAKE ADJUSTMENTS ACCORDINGLY IN LAYING OUT THE ELECTRICAL WORK.

WARRANT THAT EQUIPMENT AND ALL WORK IS INSTALLED IN ACCORDANCE WITH GOOD ENGINEERING PRACTICE AND THAT ALL EQUIPMENT WILL MEET THE REQUIREMENTS SPECIFIED. GUARANTEE AGAINST DEFECTS IN WORKMANSHIP AND MATERIALS. REPAIR OR REPLACE ANY DEFECTIVE WORK, MATERIAL OR EQUIPMENT WITHIN ONE YEAR FROM DATE OF FORMAL WRITTEN ACCEPTANCE BY THE OWNER. LONGER PRODUCT WARRANTIES PROVIDED BY INDIVIDUAL EQUIPMENT MANUFACTURERS SHALL SUPERSEDE THIS ONE YEAR GUARANTEE. HOWEVER, THE CONTRACTOR SHALL MAINTAIN THE ONE YEAR WORKMANSHIP AND MATERIALS GUARANTEE FOR INSTALLATION OF SUCH EQUIPMENT. COORDINATE GUARANTEE AND WARRANTY REQUIREMENTS WITH DIVISION 1 SPECIFICATIONS.

EQUIPMENT AND MATERIALS USED ON THIS PROJECT SHALL BE NEW AND U.L. LABELED FOR THE APPLICATION.

PREPARE SHOP DRAWINGS AND PRODUCT DATA, TO INCLUDE DIMENSIONED DRAWINGS AND WIRING DIAGRAMS, FOR GATE OPERATOR AND ALL OTHER SPECIFIED SYSTEMS AND COMPONENTS. THE CONTRACTOR SHALL REVIEW EACH SUBMITTAL PRIOR TO SUBMISSION, AND CHECK FOR COMPLIANCE WITH CONTRACT DOCUMENTS. THE SUBMITTALS WILL BE REVIEWED ONLY FOR GENERAL COMPLIANCE AND NOT FOR DIMENSIONS, QUANTITIES, ETC. THE SUBMITTALS THAT ARE RETURNED SHALL BE USED FOR PROCUREMENT. THE RESPONSIBILITY OF CORRECT PROCUREMENT REMAINS SOLELY WITH THE CONTRACTOR. THE SUBMITTAL REVIEW SHALL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR ERRORS OR OMISSIONS AND DEVIATIONS FROM THE CONTRACT REQUIREMENTS. IF THE SUBMITTAL SHOWS VARIATIONS FROM THE REQUIREMENTS OF THE CONTRACT DOCUMENTS FOR ANY REASON, THE CONTRACTOR SHALL MAKE MENTION OF SUCH VARIATION IN THE LETTER OF TRANSMITTAL. THE CONTRACTOR SHALL NOTE IN RED ON THE SUBMITTAL ANY CHANGE IN DESIGN OR DIMENSION ON THE ITEMS SUBMITTED INCLUDING CHANGES MADE BY THE MANUFACTURER WHICH MAY DIFFER FROM CATALOG INFORMATION. WHERE CONTENTS OF SUBMITTAL LITERATURE INCLUDES DATA NOT PERTINENT TO THE SUBMITTAL, CLEARLY INDICATE WHICH PORTION OF CONTENT IS BEING SUBMITTED FOR REVIEW. WHERE ADDITIONAL INSTALLATION DRAWINGS, WIRING DIAGRAMS OR OTHER DRAWINGS ARE SPECIFIED AS A PART OF THE SUBMITTAL, THEY SHALL BE SUBMITTED AT THE SAME TIME WITH SHOP DRAWINGS AND PRODUCT DATA. PARTIAL SUBMITTALS ARE NOT ACCEPTABLE. SUBMITTALS THAT DO NOT BEAR THE CONTRACTOR'S APPROVAL STAMP WILL BE RETURNED WITHOUT ACTION.

THE CONTRACTOR SHALL KEEP ONE COMPLETE SET OF THE CONTRACT DRAWINGS ON THE PROJECT SITE ON WHICH SHALL BE RECORDED ANY DEVIATIONS OR CHANGES FROM SUCH CONTRACT DRAWINGS MADE DURING CONSTRUCTION. THE UPDATED CONTRACT DRAWINGS SHALL BECOME "RECORD DRAWINGS" OF THE COMPLETED CONSTRUCTION. AFTER THE PROJECT IS COMPLETED, THE RECORD DRAWINGS SHALL BE DELIVERED TO THE ARCHITECT IN GOOD CONDITION, AS A PERMANENT RECORD OF THE INSTALLATION AS CONSTRUCTED. REFER TO DIVISION 1 SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS RELATED TO RECORD DRAWINGS.

IDENTIFY SPARE CONDUITS AND CONDUIT STUBS AS FOLLOWS: IDENTIFY SYSTEM AND/OR PURPOSE AT SOURCE, IF POSSIBLE, AND AT TERMINATION END. ALSO, AT TERMINATION END, INDICATE LOCATION OF CONDUIT ORIGINATION.

AFTER INSTALLATION, TEST FOR GROUNDS, SHORT CIRCUITS AND PROPER FUNCTION OF EACH NEW SYSTEM AND RELATED WIRING. FAULTS IN THE INSTALLATION SHALL BE CORRECTED.

INSULATION RESISTANCE TESTS SHALL BE MADE ON THE NEW ELECTRICAL SYSTEM WITH AN APPROVED MEGOHMMETER. A GROUND CONTINUITY TEST SHALL BE MADE ON THE ENTIRE GROUNDING SYSTEM FROM THE SERVICE TO EVERY NEW OUTLET.

AFTER ALL TESTS AND ADJUSTMENTS HAVE BEEN COMPLETED, CLEAN ALL EQUIPMENT LEAVING EVERYTHING IN WORKING ORDER AT THE COMPLETION OF THIS WORK. CLEAN DEVICE COVERPLATES, PANEL AND CABINET INTERIORS AND EXTERIORS, ETC., OF DIRT, DUST, DEBRIS AND PAINT, AFTER ALL OTHER TRADES HAVE COMPLETED THEIR WORK.

SECTION 26 03 00 - ELECTRICAL BASIC MATERIALS AND METHODS

RACEWAYS:

EXTERIOR UNDERGROUND CONDUIT SHALL BE SCHEDULE 40 PVC. SUCH CONDUIT SHALL BE ENCASED IN CONCRETE UNDER DRIVES OR ROADWAYS, WITH A 3" ENVELOPE, MINIMUM.

WIRE AND CABLE FOR BRANCH CIRCUITS AND FOR FEEDERS SHALL BE 90°C, 600 VOLT, TYPE THHN/THWN, COPPER ONLY, UNLESS OTHERWISE INDICATED ON THE DRAWINGS. TYPE XHHW SHALL ALSO BE ACCEPTABLE FOR FEEDERS. MINIMUM SIZE FOR BRANCH CIRCUITS SHALL BE #12. ALL 600 VOLT WIRING SHALL BE IN CONDUIT. PROVIDE AN EQUIPMENT GROUNDING CONDUCTOR WITH ALL BRANCH CIRCUITS.

IDENTIFY WIRE AND CABLE FOR BRANCH CIRCUITS AS CALLED FOR IN THE NATIONAL ELECTRICAL CODE

ALL HARDWARE, SUPPORTS, HANGERS, BRACKETS, ANGLE IRON, CHANNELS, RODS AND CLAMPS NECESSARY TO INSTALL ELECTRICAL EQUIPMENT SHALL BE PROVIDED TO SUIT THE FIELD CONDITIONS AND THE APPLICATIONS INTENDED AS SHOWN ON THE DRAWINGS.





AMMON CREEK REA PARKING I TRIAN BRIDGE F JUNE 2025

	DATE						
REVISIONS	DESCRIPTION						
	NO.						
IOF	NO.		_	R6	296	33	I

JOB NO:	PR62963				
DATE:	JUNE 2025				
DESIGNED BY:	JW				
DRAWN BY:	AC				
CHECKED BY:	CN				
APPROVED BY:	CN				
SCALE:	NOTED				
ELECTRICAL					

SPECIFICATIONS

SHEET IDENTIFICATION E-101