

1. THE CONTRACTOR SHALL REFER TO ADDITIONAL PLANS WITHIN THIS SET FOR OTHER PERTINENT INFORMATION. IT IS NOT THE ENGINEER'S INTENT THAT ANY SINGLE PLAN SHEET IN THIS SET OF DOCUMENTS FULLY DEPICTS ALL WORK ASSOCIATED WITH THE PROJECT.

- ## NOTIFICATION REQUIREMENTS

- ## SITE LAYOUT NOTES

1. CONTRACTOR SHALL REFER TO THE SUBSTATION PLANS FOR THE EXACT LOCATION OF UTILITY ENTRANCES AND SUBSTATION DIMENSIONS.
2. ALL DIMENSIONS ARE TO FACE OF CURB OR EDGE OF SIDEWALK UNLESS NOTED OTHERWISE.
3. CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS FOR THE INSTALLATION OF TRAFFIC SIGNAGE AND PAVEMENT MARKINGS AS SHOWN ON THE CONSTRUCTION PLANS.
4. ALL NON-LANDSCAPED ISLANDS SHALL BE PAINTED WITH STRIPES 4" WIDE, AT 45' AND 2 FEET O.C.
5. ALL STRIPING SHALL BE 4" WIDE UNLESS NOTED OTHERWISE.
6. ALL DIMENSIONS SHOWN ON THIS PLAN SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES BETWEEN THE PLAN AND FIELD CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR ALL DIMENSIONS AT THE PROJECT SITE.
7. SEE DETAIL SHEETS FOR ADDITIONAL CONSTRUCTION INFORMATION.
8. CONTRACTOR SHALL NEATLY SAW-CUT ALL JOINTS WHERE THE PROPOSED CONSTRUCTION MEET EXISTING PAVEMENT AND CONCRETE.

1. ALL DEMOLITION WASTE AND CONSTRUCTION DEBRIS SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE DESIGNATED AND SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF OFFSITE IN A STATE APPROVED WASTE SITE IN ACCORDANCE WITH ALL LOCAL AND STATE CODES AND PERMIT REQUIREMENTS.

2. THE BURNING OF CLEARED MATERIAL AND DEBRIS SHALL NOT BE ALLOWED.
3. THE CONTRACTOR IS RESPONSIBLE FOR MANAGING IMPORT AND EXPORT MATERIAL IN ACCORDANCE WITH THE PADEP'S MANAGEMENT OF FILL POLICY (MOST RECENT EDITION) THE MATERIALS MANAGEMENT PLAN, COA, AND ENVIRONMENTAL COVENANT. THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF ANALYTICAL TESTING TO DETERMINE AND MANAGE MATERIALS TO MEET THE CLEAN FILL POLICY, AND BE RESPONSIBLE FOR THE COSTS ASSOCIATED WITH DISPOSING OF EXPORT MATERIAL IN ACCORDANCE WITH THE POLICY.
4. CEC NOTES THAT HISTORIC FILLS (FILLS WITH RESIDUALS PLACED PRIOR TO 1988 AS DEFINED IN THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENT PROTECTION (PADEP) CLEAN FILL POLICY) ARE SUBJECT TO ADDITIONAL TESTING, HANDLING, AND MANAGEMENT REQUIREMENTS PER THE PADEP'S CLEAN FILL POLICY THE MATERIALS MANAGEMENT PLAN, COA, AND ENVIRONMENTAL COVENANT. IF THEY NEED TO BE HAULED AWAY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COSTS OF TESTING, HANDLING, AND MANAGEMENT PRACTICES AS OUTLINED IN THE MATERIALS MANAGEMENT PLAN. REFER TO THE CLEAN FILL POLICY FOR MORE INFORMATION.
5. THE PADEP DEFINES ENVIRONMENTAL DUE DILIGENCE AS FOLLOWS REGARDING CLEAN FILL: INVESTIGATIVE TECHNIQUES, INCLUDING BUT NOT LIMITED TO, VISUAL PROPERTY INSPECTIONS, ELECTRONIC DATA BASES, SEARCHES, REVIEW OF PROPERTY OWNERSHIP, REVIEW OF PROPERTY USE HISTORY, SANBORN MAPS, PHOTOGRAPHS, RECORDS, AND OTHER DATA. IF THE CONTRACTOR HAS REASON TO BELIEVE THAT THE FILL, OR AUDITS, IF THE FILL MAY HAVE BEEN AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE, IT MUST BE TESTED TO DETERMINE IF IT QUALIFIES AS CLEAN FILL. DURING CONSTRUCTION, PADEP/CDD MUST BE CONTACTED WITHIN 24 HOURS IF SOIL SAMPLES ARE FOUND TO EXCEED CH. 250 MSC STANDARDS.
6. SEDIMENT, TRASH, OR ANY NON-NATIVE MATERIAL OBSERVED WITHIN CHANNELS, PIPES AND/OR CATCH BASINS SHOULD BE REMOVED FROM THE SITE AND RECYCLED OR DISPOSED OF IN WITH THE DEPARTMENT'S CLEAN FILL MATERIAL MANAGEMENT PLAN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PADEP APPROVED CLEAN FILL PLAN THE MATERIALS MANAGEMENT PLAN, COA, AND ENVIRONMENTAL COVENANT.

1. IT IS THE RESPONSIBILITY OF THE OWNER OR CONTRACTOR TO RETAIN A QUALIFIED GEOTECHNICAL ENGINEER TO ASSESS SUBSURFACE CONDITIONS FOR THE PROPOSED SUBSTATION AND BUILDING AREAS AND VERIFY THE STABILITY OF PROPOSED AND EXISTING SLOPES. CEC ASSUMES NO LIABILITY FOR SLOPE STABILITY OR RELATED GEOTECHNICAL CONDITIONS.

2. THE CONTRACTOR MUST CONDUCT INDEPENDENT VERIFICATION AND CONDUCT ADDITIONAL TESTS WHERE IT IS DETERMINED NECESSARY FOR CONSTRUCTION OF THE IMPROVEMENTS AT NO ADDITIONAL COST TO THE OWNER.
3. ALL SLOPES SHALL BE 2:1 (HORIZONTAL:VERTICAL) MAXIMUM UNLESS NOTED OTHERWISE.
4. THE CONTRACTOR IS RESPONSIBLE FOR THE OFFSITE DISPOSAL OF ANY AND ALL EXCESS OR UNSUITABLE MATERIAL UNABLE TO BE PLACED ON SITE AND FOR IMPORTING ANY BORROW MATERIAL NECESSARY TO COMPLETE THE WORK. THE CONTRACTOR SHALL PROVIDE A SUITABLE DISPOSAL SITE FOR EXCESS, SOLID MATERIAL WHEN AVAILABLE, IN ACCORDANCE WITH ALL LOCAL AND STATE CODES AND PERMIT REQUIREMENTS, ALL EXCESS SOLID MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE DESIGNATED.
5. ALL EXCAVATION IS CONSIDERED UNCLASSIFIED UNLESS OTHERWISE NOTED. THE CONTRACTOR IS RESPONSIBLE FOR ALL MEANS, METHODS, AND MATERIALS OF CONSTRUCTION TO COMPLETE THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR THE OFFSITE DISPOSAL OF ANY AND ALL EXCESS OR UNSUITABLE MATERIAL UNABLE TO BE PLACED ON SITE AND FOR IMPORTING ANY BORROW MATERIAL NECESSARY TO COMPLETE THE WORK.
6. IF DURING CONSTRUCTION GEOLOGIC HAZARDS ARE ENCOUNTERED, THE CONTRACTOR SHALL CONTACT THE OWNER, CIVIL ENGINEER, AND GEOTECHNICAL ENGINEER TO DETERMINE THE PROPER HANDLING OF THESE MATERIALS.
7. CONTRACTOR SHALL REFER TO GEOTECHNICAL REPORT.
8. ADJUST GRADES WHERE NECESSARY TO PROVIDE POSITIVE DRAINAGE TOWARDS EXISTING OR PROPOSED STORM SEWER STRUCTURES AND/OR CHANNELS. NOTIFY ENGINEER.
9. ALL ELEVATIONS SHOWN ARE REFERENCED TO BENCHMARKS ON THE PROJECT SURVEY AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR AT GROUND BREAKING.
10. ALL SPOT ELEVATIONS ARE REFERENCED TO THE FINISHED GROUND SURFACE UNLESS OTHERWISE NOTED.

11. SLOPES SHALL BE 2:1 (HORIZONTAL: VERTICAL) MAXIMUM IN COORDINATION WITH THE GEOTECHNICAL REPORT UNLESS NOTED OTHERWISE.
12. CONTRACTOR SHALL REFERENCE DETAILED BUILDING PLANS FOR EXACT BUILDING DIMENSIONS, ELEVATIONS, AND UTILITY CONNECTION POINTS.

1. DISTANCES SHOWN ON PIPING ARE HORIZONTAL DISTANCES FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE, UNLESS OTHERWISE NOTED.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE INSTALLATION, INSPECTION, TESTING, AND FINAL ACCEPTANCE OF NEW STORMWATER MANAGEMENT FACILITIES. THE CONTRACTOR SHALL COORDINATE WITH ALL APPLICABLE AGENCIES REGARDING AUTHORITY AND JURISDICTION AS APPROPRIATE.
3. ALL STORMWATER MANAGEMENT FACILITIES AND CONVEYANCE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH APPLICABLE LOCAL AND STATE CODES AND REGULATIONS.
4. UNDERGROUND DETENTION/STORAGE SYSTEMS LOCATED WITHIN, BELOW, OR IMMEDIATELY ADJACENT TO IDENTIFIED OR SUSPECTED CONTAMINATION ZONES SHALL BE LINED WITH SEAMAN CORPORATION XR-5W GEOMEMBRANE OR APPROVED EQUIVAL. SYSTEMS LOCATED OUTSIDE IDENTIFICATION ZONES MAY BE LINED WITH SEAMAN CORPORATION XR-5W OR GEOMEMBRANE OR APPROVED EQUIVAL. SUSPECTED ZONES REQUIRING VERIFICATION OF SITE CONDITIONS AND MANUFACTURER'S CERTIFICATION OF CHEMICAL COMPATIBILITY. CONTRACTOR REMAINS RESPONSIBLE FOR LINER SELECTION AND PERFORMANCE.
5. ALL STORM PIPE AND STRUCTURE CONNECTIONS SHALL REQUIRE A WATERTIGHT SEAL.
6. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL FOR ALL UNDERGROUND DETENTION SYSTEMS, INLETS, MANHOLES, ENDWALLS, AND PIPES.

1. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COORDINATING WITH THE EPA AND ALL APPLICABLE AGENCIES TO ABANDON OR MODIFY EXISTING MONITORING WELLS AS NOTED IN THE PLAN SHEETS AND ANY REQUIRED REGULATORY REQUIREMENTS INCLUDING ALL PERMITS, APPROVALS, MEANS AND METHODS OF ABANDONMENT AND COMPLY WITH APPLICABLE REGULATIONS. ENGINEER AND OWNER ASSUME NO RESPONSIBILITY FOR REGULATORY COORDINATION OR FIELD EXECUTION.
2. CONTRACTOR SHALL OBTAIN THE SITE SAFETY PLAN AND SOIL MANAGEMENT PLAN FROM THE OWNER, MERCER NODE PROPERTY, LLC, ACKNOWLEDGE RECEIPT THEREOF, AND ENFORCE ALL REQUIREMENTS FOR ITSELF AND ALL SUBCONTRACTORS. NO SITE DISTURBANCE ACTIVITIES SHALL COMMENCE UNTIL THESE PLANS ARE REVIEWED AND FULLY IMPLEMENTED, AND COMPLIANCE SHALL BE MAINTAINED FOR THE DURATION OF CONSTRUCTION.

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT UTILITY COMPANIES WHICH MAY HAVE UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PROVIDE 3 WORKING DAYS MINIMUM NOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION. A LIST OF THE UTILITY COMPANIES WHICH THE CONTRACTOR MUST CALL BEFORE COMMENCING WORK IS PROVIDED ON THIS SHEET. THIS LIST SERVES AS A GUIDE ONLY AND IS NOT INTENDED TO LIMIT THE UTILITY COMPANIES WHICH THE CONTRACTOR MAY WISH TO NOTIFY.

1. THE CONTRACTOR IS EXPRESSLY CAUTIONED THAT THE LOCATIONS AND/OR ELEVATIONS OF THE EXISTING UTILITIES SHOWN HEREON ARE BASED ON TOPOGRAPHIC SURVEYS, RECORD DRAWINGS, AND OTHER AVAILABLE INFORMATION. THE CONTRACTOR SHALL NOT RELY ON THE INFORMATION SHOWN HEREON AS BEING EXACT OR COMPLETE. SHOULD UNCHARTED UTILITIES BE ENCOUNTERED DURING THE COURSE OF THE OPERATIONS, THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER AS SOON AS POSSIBLE. NO GUARANTEE IS MADE THAT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN OR THAT THE LOCATION OF THOSE SHOWN ARE ENTIRELY ACCURATE. FINDING THE ACTUAL LOCATION OF ANY EXISTING UTILITIES IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE DONE BEFORE PERFORMING ANY WORK IN THE AREA. FURTHERMORE, THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ANY AND ALL DAMAGES DUE TO THE CONTRACTOR'S FAILURE TO DETERMINE THE EXACT LOCATION AND/OR PROTECT ANY UNDERGROUND UTILITIES. THE OWNER OR ENGINEER WILL ASSUME NO LIABILITY FOR ANY DAMAGES SUSTAINED BY THE CONTRACTOR DUE TO THE CONTRACTOR'S FAILURE TO DETERMINE THE EXACT LOCATION OF ANY STRUCK OR FOR TEMPORARY BRACING AND SHORING OF SAME. IF IT IS NECESSARY TO SHADE, BRACE, SWING OR RELOCATE A UTILITY, THE UTILITY COMPANY OR DEPARTMENT AFFECTED SHALL BE CONTACTED BY THE CONTRACTOR AND THEIR PERMISSION OBTAINED REGARDING THE METHOD TO USE FOR SUCH WORK.
2. PROPOSED SUBSTATION AND TRANSMISSION LINES SHALL BE CONSTRUCTED IN ACCORDANCE WITH ALL APPLICABLE UTILITY COMPANY SPECIFICATIONS. ALL UTILITY DISCONNECTION, REMOVAL, RELOCATION, CUTTING, CAPPING, AND/OR ABANDONMENT SHALL BE COORDINATED WITH THE APPROPRIATE UTILITY COMPANY OR AGENCY.
3. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIALS IN ACCORDANCE WITH THE UTILITY COMPANY'S REGULATIONS, SPECIFICATIONS, AND STANDARD DETAILS UNLESS OTHERWISE NOTED ON THE PLANS.
4. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND PRODUCT SUBMITTALS TO UTILITY COMPANIES PRIOR TO INSTALLING MATERIALS. APPROVAL OF MATERIALS AND EQUIPMENT BY UTILITY COMPANIES IS REQUIRED PRIOR TO ORDERING MATERIALS.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FEES ASSOCIATED WITH THE INSTALLATION, INSPECTION, TESTING, AND FINAL ACCEPTANCE OF PROPOSED UTILITIES UNLESS OTHERWISE COORDINATED WITH THE OWNER BEFOREHAND.
6. 18-INCH MINIMUM VERTICAL SEPARATION MUST BE MAINTAINED AT ALL UTILITY CROSSINGS UNLESS OTHERWISE NOTED ON THE PLAN.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE SEQUENCING OF CONSTRUCTION FOR ALL UTILITY LINES. ALL UTILITIES SHALL BE INSTALLED PRIOR TO PAVEMENT CONSTRUCTION, WHERE UTILITIES ARE INSTALLED WITHIN EXISTING PAVEMENT, CONTRACTOR TO BACKFILL UTILITY TRENCH IN ACCORDANCE WITH PROJECT REQUIREMENTS AND RESTORE SURFACE TO EXISTING CONDITION.
8. SHOWN UTILITY LOCATIONS ARE APPROXIMATE AND THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXACT LOCATIONS AND ELEVATIONS OF ALL UTILITIES AND PROPOSED CROSSINGS, REPORTING ANY CONFLICTS TO THE OWNER AND ENGINEER. THE ENGINEER IS HELD HARMLESS FOR CONFLICTS NOT REPORTED PRIOR TO CONSTRUCTION.
9. TRENCH SPOILS SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE DESIGNATED. TRENCH SPOILS SHALL BE TESTED TO DETERMINE FEASIBILITY TO BE INCORPORATED INTO EARTHWORK AT OTHER LOCATIONS ON THE SITE OR REQUIRED TO BE REMOVED BY THE CONTRACTOR AND DISPOSED OF OFF-SITE IN ACCORDANCE WITH THE REQUIREMENTS OF THE APPLICABLE STATE AND FEDERAL ENVIRONMENTAL REQUIREMENTS.
10. AN AS-BUILT DRAWING OF NEW UTILITY SERVICES SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED TO THE OWNER UPON COMPLETION OF THE PROJECT.

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND DISPOSAL OFF-SITE OF ALL ITEMS SHOWN ON THE DEMOLITION PLAN INCLUDING ITEMS ENCOUNTERED DURING EXCAVATION OF BUILDING FOUNDATIONS AND UTILITY PLACEMENT.

2. PRIOR TO STARTING DEMOLITION, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL PERMITS REQUIRED BY LOCAL GOVERNMENTAL AGENCIES.
3. THE CONTRACTOR SHALL COORDINATE WITH THE LOCAL UTILITY COMPANIES FOR THE DISCONNECTION AND REMOVAL OF SERVICES TO EXISTING STRUCTURES.
4. ITEMS SHOWN ON THE DEMOLITION PLAN TO BE SALVAGED SHALL BE TRANSPORTED TO LOCATION SPECIFIED BY THE OWNER OR HIS/HER REPRESENTATIVE.
5. ITEMS OF SALVAGEABLE VALUE TO THE CONTRACTOR MAY BE REMOVED WITH THE OWNER OR HIS/HER REPRESENTATIVE'S PERMISSION. THE CONTRACTOR SHALL NOT STORE THESE ITEMS ON SITE.
6. THE CONTRACTOR MAY NOT USE EXPLOSIVES OR BURN DEBRIS.
7. CONDUCT DEMOLITION OPERATIONS TO ENSURE MINIMAL INTERFERENCE WITH ROADS, SIDEWALKS AND ANY OTHER ADJACENT OCCUPIED FACILITIES.
8. DO NOT CLOSE OR OBSTRUCT ROADS, SIDEWALKS OR ANY OTHER OCCUPIED FACILITIES WITHOUT PERMISSION FROM THE LOCAL AUTHORITY HAVING JURISDICTION AND/ OR PROPERTY OWNERS.
9. THE CONTRACTOR SHALL ENSURE SAFE PASSAGE OF PERSON TRAVERSING THROUGH OR AROUND THE CONSTRUCTION SITE.
10. THE CONTRACTOR SHALL PROTECT FROM DAMAGE, SURROUNDING STRUCTURES, UTILITIES AND OTHER FACILITIES DURING DEMOLITION AND REMOVAL OPERATIONS.
11. BUILDING STRUCTURES INCLUDING FOUNDATIONS OR BASEMENTS SHALL BE REMOVED AND BACKFILLED WITH APPROVED BACKFILL MATERIAL. BACKFILL MATERIAL SHALL BE PLACED IN MAXIMUM EIGHT INCH LIFTS AND COMPACTED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT OR A MINIMUM OF 95% OF A STANDARD PROCTOR.
12. UTILITIES SHALL BE REMOVED AND BACKFILLED WITH APPROVED BACKFILL MATERIAL. BACKFILL MATERIAL SHALL BE PLACED IN MAXIMUM EIGHT INCH LIFTS AND COMPACTED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT OR A MINIMUM OF 95% OF A STANDARD PROCTOR.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THE CONSTRUCTION SITE AND SURROUNDING AREAS ARE FREE OF ACCUMULATED DEBRIS.

WORKING SAFETY RESTRICTIONS

- OCCUPATIONAL SAFETY HEALTH

- OBJECTS DO NOT HAVE TO MAKE PHYSICAL CONTACT WITH THE CONDUCTORS FOR ELECTRICITY TO FLOW IN UNWANTED DIRECTIONS.
- THE LINE SHALL BE CONSIDERED ENERGIZED AT ALL TIMES.
- NOTICE: CONDUCTOR POSITION CHANGES CONTINUOUSLY DEPENDING ON LOAD, AMBIENT TEMPERATURE, WIND SPEED, ETC. THE DEVELOPER/CONTRACTOR IS RESPONSIBLE FOR MONITORING CONDUCTOR POSITION TO DETERMINE OSHA SAFE WORKING CLEARANCE.
- PARKING OR OPERATING A VEHICLE OR EQUIPMENT WITHIN OR ADJACENT TO THE RIGHT-OF-WAY MAY INDUCE A CHARGE. CHARGES MAY ALSO BE IMPOSED ON OBJECTS SUCH AS FENCES, SIGNS, OR ANY OTHER CONDUCTIVE OBJECT. IT IS THE RESPONSIBILITY OF THE DEVELOPER TO SATISFY THEMSELVES ON THE NECESSITY OF GROUNDING AND TO ENSURE THAT A PROPER GROUNDING SYSTEM DESIGN AND A PROPERLY GROUNDING SYSTEM IS IN PLACE, IF APPLICABLE. CONSTRUCTION VEHICLES AND EQUIPMENT OPERATING NEAR TRANSMISSION LINES MAY ALSO REQUIRE GROUNDING.

RIGHT OF WAY ACCESS

- FIRSTENERGY-AUTHORIZED PERSONNEL, VEHICLES AND EQUIPMENT MUST HAVE CONTINUOUS ACCESS TO THE RIGHT-OF-WAY AND ALL FIRSTENERGY STRUCTURES.
- ALL OBJECTS OR EQUIPMENT LEFT WITHIN THE RIGHTS-OF-WAY ARE SUBJECT TO REMOVAL. FIRSTENERGY IS NOT RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF ANYTHING IN THE TRANSMISSION RIGHTS-OF-WAY DAMAGED OR DESTROYED BECAUSE OF EMERGENCY OR MAINTENANCE OPERATIONS.
- FIRSTENERGY RESERVES THE RIGHT TO INSPECT AT ANY TIME CONSTRUCTION OR OTHER ACTIVITIES WITHIN THE RIGHTS-OF-WAY, EASEMENTS, OR PROPERTY OWNED BY FIRSTENERGY.

RIGHT-OF-WAY RESTRICTIONS

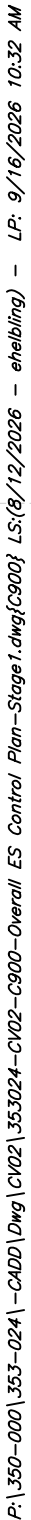
- CONSENTS AND/OR EASEMENTS FOR ANY UTILITY, ACCESS ROAD, ETC. WILL BE LIMITED TO A MAXIMUM OF 20 FEET IN WIDTH WITHIN THE FIRSTENERGY RIGHTS-OF-WAY UNLESS PROVISIONS ARE DEFINED IN THE EASEMENTS, DEEDS, ETC.
- CHANGES TO GRADE ELEVATIONS WITHIN THE FIRSTENERGY TRANSMISSION RIGHT OF WAY ARE NOT PERMITTED. EXCAVATIONS OR ELEVATIONS ARE NOT PERMITTED WITHIN 50 FEET OF ANY FIRSTENERGY STRUCTURE (POLES, TOWERS, GUYS, ETC.). IN THE EVENT THAT THE EASEMENT WIDTH FROM THE STRUCTURE FOUNDATION IS LESS THAN 50, THE DISTANCE FROM THE STRUCTURE TO THE EDGE OF THE EASEMENT WILL BE THE DISTANCE USED.
- PROTECTIVE BARRIERS MUST BE USED FOR ANY DRIVEWAYS, ACCESS ROADS, OR PARKING AREAS, ETC., WITHIN 25 FEET OF ANY FIRSTENERGY STRUCTURE (POLES, TOWERS, GUYS, ETC.).
- RIGHTS-OF-WAY, TEMPORARY EASEMENTS, LIMITS OF DISTURBANCE, LIMITS OF CONSTRUCTION, ETC., SHALL NOT INCLUDE TRANSMISSION OR DISTRIBUTION STRUCTURES WITHIN ITS LIMITS.
- UNLESS LEGAL DOCUMENTS MAKE PROVISIONS FOR SUCH, NO BUILDINGS, LIGHTING FIXTURES, SIGNS, BILLBOARDS, SWIMMING POOLS, DECKS, FLAG POSTS, SHEDS, BARNs, GARAGES, PLAYGROUNDS, FENCES OR OTHER STRUCTURES ARE PERMITTED WITHIN THE RIGHT OF WAY. OTHER RESTRICTIONS MAY APPLY FOR SPECIFIC SITUATIONS, SEWER SYSTEMS, LEACH BEDS, AND/OR WELLS ARE NOT PERMITTED WITHIN A FIRSTENERGY TRANSMISSION RIGHT OF WAY.
- KITE FLYING, MODEL AIRPLANE FLYING, OR SIMILAR ACTIVITY, IS STRICTLY PROHIBITED ON OR NEAR FIRSTENERGY TRANSMISSION RIGHT OF WAY.
- WHEN UTILITIES ARE APPROVED AND INSTALLED IN THE FIRSTENERGY RIGHTS OF WAYS/EASEMENTS, ETC., VISIBLE MARKERS IDENTIFYING THE UTILITY, OWNER AND CONTACT INFORMATION MUST BE INSTALLED ON EACH SIDE OF THE RIGHT OF WAY AT NO GREATER THAN 300 FEET INTERVALS. PROVIDE ON THE PLANS THE EXACT LOCATION OF THE PIPELINE INCLUDING GPS LATITUDE AND LONGITUDE COORDINATES IN DECIMAL DEGREES, ALSO, PROVIDE ON THE DRAWINGS, PIPE DIAMETER, PIPE DEPTH, PIPE MATERIAL, DIMENSIONS FROM THE STRUCTURE(S), RIGHTS-OF-WAYS, PROPERTY LINES, ETC.
- THE INSTALLATION OF "DANGER - OVERHEAD ELECTRIC LINES" SIGNS ARE RECOMMENDED IN THE AREA OF THE TRANSMISSION RIGHTS-OF-WAY. PLEASE REFERENCE THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" AT WWW.MUTCD.FHWA.DOT.GOV/ FOR APPROPRIATE SIGNS, ETC.
- DAMAGE TO ANY FIRSTENERGY FACILITIES DURING THE PROPOSED CONSTRUCTION MUST BE REPORTED IMMEDIATELY TO THE CONTACT CENTER.
- UNLESS LEGAL DOCUMENTS MAKE PROVISIONS FOR SUCH, BLASTING IS NOT PERMITTED WITHIN THE FIRSTENERGY RIGHTS-OF-WAYS OR EASEMENTS. NO EXPLOSIVE OR COMBUSTIBLE LIQUID, SUBSTANCE, OR MATERIAL SHALL BE STORED WITHIN THE RIGHT-OF-WAY. PROHIBITED MATERIALS INCLUDE BUT ARE NOT LIMITED TO: FUEL, WOOD CHIPS, MULCH, BRUSH, AND TIRES, ETC.
- NO SOIL PILES OR OTHER MATERIALS SHALL BE PLACED OR STORED UNDER THE TRANSMISSION LINE CONDUCTORS AT ANY TIME.
- WHENEVER DISTURBANCES ARE CAUSED DURING CONSTRUCTION MUST BE RESTORED TO AN EQUAL TO OR BETTER THAN BEFORE CONSTRUCTION CONDITION WITHIN 7 DAYS OF COMPLETION. ALL AREAS OF EXPOSED SOIL MUST BE RESEED AND MULCHED WITHIN 7 DAYS OF COMPLETION.
- ALL VEGETATION ON OR ADJACENT TO THE RIGHT-OF-WAY SHALL BE LOW GROWING, VEGETATION THAT PROMOTES A LOW GROWING PLANT COMMUNITY OF GRASSES, HERBS AND SHRUBS THAT ARE 5-3.5 FOOT MAXIMUM IN HEIGHT (3-FOOT IN N.A.) ARE PERMITTED ON FIRSTENERGY TRANSMISSION RIGHTS OF WAY. HOWEVER IT IS PREFERRED THAT THE PLANTING OF ANY WOODY VEGETATION BE DONE OUTSIDE THE WIRE ZONE OF TRANSMISSION FACILITIES. (THE WIRE ZONE IS THE AREA DIRECTLY UNDER THE CONDUCTORS AND EXTENDING TO ABOUT 15' ON EACH SIDE OF APPROVED SHRUBBER PLANTED NEAR FIRSTENERGY STRUCTURES (POLES, TOWERS, GUYS, ETC.) SHALL ALLOW FOR WORKING AREA AND ACCESSIBILITY AT GROUND LEVEL (NO CLOSER THAN 10 FEET FROM THE STRUCTURE, IN ANY DIRECTION).
- FIRSTENERGY HAS INSTALLED COUNTERPOISE ON NUMEROUS STRUCTURE LOCATIONS. THE EXACT LOCATIONS ARE NOT MARKED IN THE FIELD. SHOULD THE COUNTERPOISE BE DISTURBED OR DAMAGED, IT IS THE RESPONSIBILITY OF THE DEVELOPER AND/OR ITS SUBCONTRACTORS, TO IMMEDIATELY NOTIFY THE COMPANY'S MANAGER OF GEOTECHNICAL/SURVEYING ENGINEERING BY CALLING THE CONTACT CENTER. COST OF REPAIRS FOR DAMAGED FIRSTENERGY FACILITIES WILL BE THE RESPONSIBILITY OF THE DEVELOPER/CONTRACTOR.
- FOR PIPELINE REQUESTS TO RUN PARALLEL TO THE FIRSTENERGY EASEMENT/RIGHT-OF-WAY, PIPELINES SHALL BE LIMITED TO A MAXIMUM OF 50 FEET FROM THE EDGE OF THE RIGHT-OF-WAY. PARALLEL RUNS SHOULD BE OUTSIDE THE RIGHTS-OF-WAY, BUT WHEN APPROVAL CAN BE ALLOWED TO RUN WITHIN 10 FEET OF THE OUTSIDE EDGE OF THE RIGHT-OF-WAY, MAXIMUM, THAT INCLUDES THE LIMITS OF TRENCHING.
- IF POSSIBLE, IT IS RECOMMENDED THAT THE PIPELINES BE NON-METALLIC.
- PIPELINES OR RELATED APPURTENANCES SHALL NOT BE PLACED WITHIN 50 FEET OF A TRANSMISSION STRUCTURE. ANY CATCHES OR OTHER DEVICES THAT ARE PART OF THE FIRSTENERGY EASEMENT OR ACCESS TO THE TRANSMISSION STRUCTURE MEASURES LESS THAN THIS WIDTH, THE EDGE OF THE EASEMENT, CORNER, AND/OR ANCHOR CAN BE COMPROMISED BY EXCAVATION OPERATIONS.
- IT IS POSSIBLE THAT THE REQUESTOR WILL BE REQUIRED TO REIMBURSE FIRSTENERGY FOR ANALYTICAL AND ENGINEERING FEES. FEES MAY ALSO BE REQUIRED FOR USE OF ANY FIRSTENERGY OWNED PROPERTY.
- THE DOUBLE-DITCH METHOD SHOULD BE UTILIZED FOR PIPELINE CONSTRUCTION AS THE EXCAVATIONS COMMENCE, THE TOPSOIL IS TO BE PLACED ON ONE SIDE OF THE TRENCH AND THE SUBSOIL TO THE OTHER SIDE.
- APPLICABLE PERMITTING FOR ANY CONSTRUCTION OR OPERATIONAL ACTIVITIES ASSOCIATED WITH THE PROJECT CONDUCTED ON THE FIRSTENERGY EASEMENT/RIGHTS-OF-WAY IS THE RESPONSIBILITY OF THE DEVELOPER.

DRAWING NO.: C001		GENERAL NOTES			
DATE:	APRIL 2026	DRAWN BY:	WMF		
DWG SCALE:		AS SHOWN	BJH		
PROJECT NO:		CHECKED BY:	353-024		
APPROVED BY:			RLM		

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CITY OF SHARON		www.cecinc.com	
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		Civil & Environmental Consultants, Inc.	
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REVISION RECORD		
NO	DATE	DESCRIPTION
△	04/13/2006	RESPONSE TO ACADEMIFEMES LETTER DATED 04/04/2006
△	08/14/2006	RESPONSE TO TECHNICAL DEPENDENCY LETTER DATED 07/10/2006
△	08/15/2006	RESPONSE TO TECHNICAL DEPENDENCY LETTER DATED 08/10/2006
ENGINEERING, SURVEYING AND LANDSCAPE ARCHITECTURE IN THE STATE OF NORTH CAROLINA WILL BE PROVIDED BY CEC SURVEYING AND LANDSCAPE ARCHITECTS OF INC., PLLC. SERVICES IN PENNSYLVANIA WILL BE PROVIDED BY CEC SURVEYING AND LANDSCAPE ARCHITECTS OF INC., PLLC. ARCHITECTURAL SERVICES IN THE STATE OF OHIO WILL BE PROVIDED BY CEC LANDSCAPE ARCHITECTS, LLC.		



1. SITE CONTRACTORS AND OTHER APPROPRIATE PARTIES SHALL REFERENCE THE APPROVED ON-SITE MATERIALS MANAGEMENT PLAN, ENVIRONMENTAL COVENANT, AND CONSENT ORDER AGREEMENT FOR SITE-SPECIFIC GUIDANCE, PROCEDURES, AND RESPONSIBILITIES.
2. THE DESIGNATED ENVIRONMENTAL REPRESENTATIVE MUST BE PRESENT DURING ALL DEWATERING ACTIVITIES AND DEWATERING TO BE COMPLETED PER THE APPROVED ONSITE MATERIALS MANAGEMENT PLAN, ENVIRONMENTAL COVENANT AND CONSENT ORDER AGREEMENT.

1. EXISTING SITE FEATURES AND UTILITIES ARE BASED ON A COMBINATION OF SURVEY PERFORMED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. (CEC) DATED 07-14-2025 THROUGH 10-22-2025 AND ALTA SURVEY COMPLETED 10-30-2025 BY CEC.
2. PLAN NORTH IS BASED ON PENNSYLVANIA STATE PLAN NA83-2011, NORTH ZONE, AS DETERMINED BY CEC USING SURVEY GRADE GPS MEASUREMENTS AND OPUS POST-PROCESSING.
3. VERTICAL DATUM IS BASED ON NAVD83 (EPOCH 18), AS DETERMINED BY CEC USING SURVEY GRADE GPS MEASUREMENTS AND OPUS POST-PROCESSING.
4. STREAM AND WETLAND DELINEATION PERFORMED BY CEC ON 07-11-2025.
5. PROPERTY IS LOCATED IN FLOOD ZONE 2 (AREA OF SPECIAL FLOOD HAZARD) AS DEPICTED ON FLOOD INSURANCE RATE MAP 4208503070, EFFECTIVE DATE 06-09-2014, MERCER COUNTY COUNTY, PENNSYLVANIA. THIS STATEMENT DOES NOT GUARANTEE THAT THE SUBJECT PROPERTY WILL OR WILL NOT FLOOD.
6. EXISTING CONTOURS ARE DERIVED FROM PENNSYLVANIA SPATIAL DATA ACCESS (PASDA) 2 AND 10 CONTOURS DATED 2006-2008.
7. SUBSTATION LAYOUT PROVIDED BY ASPLINHD ENGINEERING SERVICES ON 02-4-2026.
8. CLARK STREET IS A PADOT STREET PER MERCER COUNTY 10 MAP PREPARED BY THE PADOT DATED 2024
9. AERIAL PHOTOGRAPHY PROVIDED BY GOOGLE EARTH, ACCESS THROUGH FROM PLEX EARTH ON 01/28/2026. DATE OF PHOTOGRAPHY 10-02-2024.
10. AERIAL DATE, GROUND WATER MONITORING WELL LOCATIONS ARE BASED ON THE DIGITIZATION OF AN EXHIBIT ISSUED BY ENVIRON 04/30/2014, AND FIELD SURVEY BY CEC IF ABOVE GROUND EVIDENCE WAS OBSERVED AND SHOULD NOT BE CONSIDERED ACCURATE.

700 Cherrington Parkway
Moon Township, PA 15108
Ph: 412.429.2324 · 800.365.2324
www.cecinc.com



**MERCER NODE PROPERTY, LLC
MERCER NODE DEVELOPMENT
200-201 CLARK STREET
CITY OF SHARON
MERCER COUNTY, PA**

**OVERALL EROSION & SEDIMENT
CONTROL PLAN PHASE 2 & 3 -
STAGE 1**

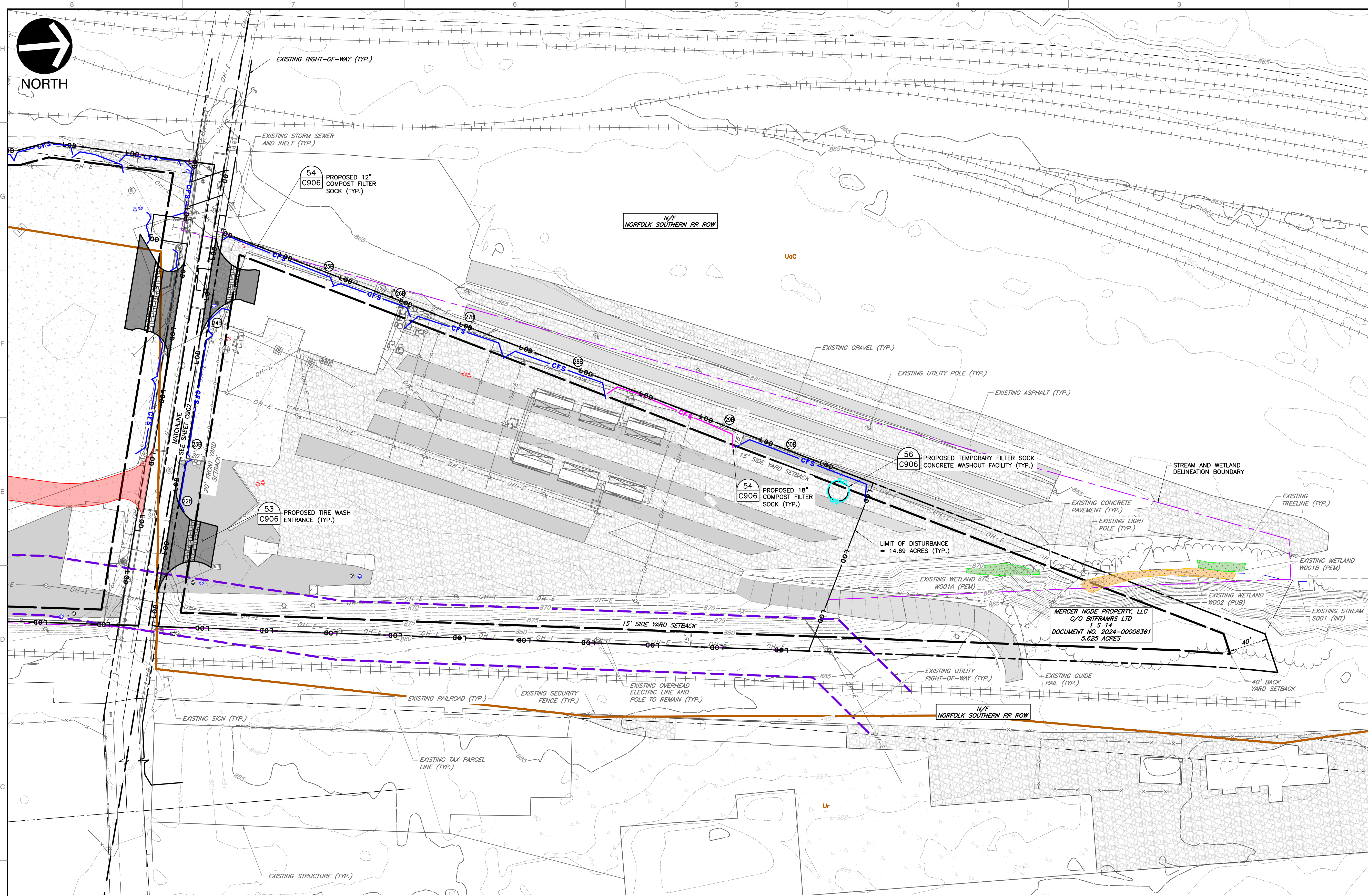
DATE:	APRIL 2028	DRAWN BY:	VMF
DWG SCALE:	1" = 100'	CHECKED BY:	BJH
PROJECT NO:	353-024	APPROVED BY:	RIM

DRAWING NO.: C900

SHEET 37
OF 41



NORTH CAROLINA STATE UNIVERSITY



NOTES

1. SITE CONTRACTORS AND OTHER APPROPRIATE PARTIES SHALL REFERENCE THE APPROVED ON-SITE MATERIALS MANAGEMENT PLAN, ENVIRONMENTAL COVENANT, AND CONSENT ORDER AGREEMENT FOR SITE-SPECIFIC GUIDANCE, PROCEDURES, AND RESPONSIBILITIES.
2. THE DESIGNATED ENVIRONMENTAL REPRESENTATIVE MUST BE PRESENT DURING ALL DEWATERING ACTIVITIES AND DEWATERING TO BE COMPLETED PER THE APPROVED ONSITE MATERIALS MANAGEMENT PLAN, ENVIRONMENTAL COVENANT, AND CONSENT ORDER AGREEMENT.

REFERENCES

1. EXISTING SITE FEATURES AND UTILITIES ARE BASED ON A COMBINATION OF SURVEY PERFORMED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. (CEC) DATED 07-14-2025 THROUGH 10-22-2025 AND ALTA SURVEY COMPLETED 10-30-2025 BY CEC.
2. PLAN NORTH IS BASED ON PENNSYLVANIA STATE PLAN MAD63-2011, NORTH ZONE, AS DETERMINED BY CEC USING NAVD83 GRADE GPS MEASUREMENTS AND OPUS POST-PROCESSING.
3. VERTICAL DATUM IS BASED ON NAVD83 (GEOD 18), AS DETERMINED BY CEC USING SURVEY GRADE GPS MEASUREMENTS AND OPUS POST-PROCESSING.
4. STREAM AND WETLAND DELINEATION PERFORMED BY CEC ON 07-11-2024.
5. PROPERTY IS LOCATED IN FLOOD ZONE X (AREA OF MINIMAL FLOOD HAZARD) AS DEPICTED ON FLOOD INSURANCE RATE MAP 1085303000 EFFECTIVE DATE 08-09-2014, MERCER COUNTY, PENNSYLVANIA. THIS STATEMENT DOES NOT GUARANTEE THAT THE SUBJECT PROPERTY WILL OR WILL NOT FLOOD.
6. EXISTING CONTOURS ARE DERIVED FROM PENNSYLVANIA SPATIAL DATA ACCESS (PASDA) 2 AND 10 CONTOURS DATED 2008-2008.
7. SUBSTATION LAYOUT PROVIDED BY ASPUNDH ENGINEERING SERVICES ON 02-4-2026.
8. CLARK STREET IS A PADOT STREET PER MERCER COUNTY 10 MAP PREPARED BY THE PADOT DATED 2024.
9. AERIAL PHOTOGRAPHY PROVIDED BY GOOGLE EARTH, ACCESS THROUGH FROM PLEX EARTH ON 01/28/2026. DATE OF PHOTOGRAPHY 10-02-2024.
10. EXISTING MONITORING WELL LOCATIONS ARE BASED ON THE DIGITIZATION OF AN EXHIBIT ISSUED BY ENVIRON 04/30/2014, AND FIELD SURVEY BY CEC IF ABOVE GROUND EVIDENCE WAS OBSERVED AND SHOULD NOT BE CONSIDERED ACCURATE.

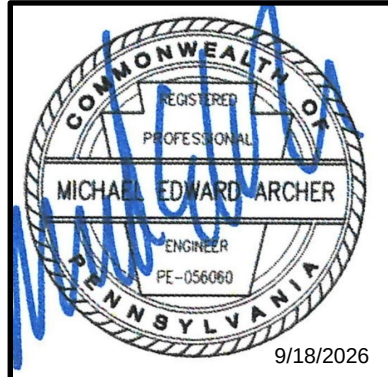
LEGEND

	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	EXISTING PROPERTY LINE
	EXISTING TAX PARCEL LINE
	EXISTING UTILITY RIGHT-OF-WAY
	EXISTING SETBACK
	EXISTING RIGHT-OF-WAY
	EXISTING RAILROAD
	EXISTING TREE LINE AND TREE
	EXISTING SECURITY FENCE LINE
	EXISTING PRIVACY FENCE LINE
	EXISTING ASPHALT PAVEMENT
	EXISTING GRAVEL
	EXISTING CONCRETE PAVEMENT
	EXISTING ASPHALT PAVEMENT (DIGITIZED FROM AERIAL)
	EXISTING GRAVEL (DIGITIZED FROM AERIAL)
	EXISTING CONCRETE PAVEMENT (DIGITIZED FROM AERIAL)
	EXISTING STRUCTURE
	EXISTING GUIDE RAIL
	EXISTING SIGN
	STREAM AND WETLAND DELINEATION BOUNDARY
	EXISTING STREAM
	EXISTING WETLAND (PEM)
	EXISTING WETLAND (PUB)
	EXISTING STORM SEWER
	EXISTING STORM INLET/DRAIN AND MANHOLE
	EXISTING WATER LINE
	EXISTING GAS LINE AND BOX
	EXISTING OVERHEAD ELECTRIC LINE
	EXISTING GUY WIRE AND UTILITY POLE
	EXISTING LIGHT POLE
	EXISTING UNDERGROUND ELECTRIC LINE AND BOX
	EXISTING SANITARY MANHOLE
	EXISTING MANHOLE
	EXISTING VAULT
	EXISTING AC UNIT
	EXISTING STREAM
	EXISTING FEMA FLOODWAY
	EXISTING MONITORING WELL TO REMAIN
	EXISTING MONITORING WELL TO REMAIN (BY OTHERS)
	LIMIT OF DISTURBANCE
	PROPOSED 18" COMPOST FILTER SOCK
	PROPOSED 12" COMPOST FILTER SOCK
	PROPOSED TIRE WASH ENTRANCE

SCALE IN FEET



0 50 100



9/18/2026

**EROSION & SEDIMENT CONTROL
PLAN PHASE 2 - STAGE 1**

DRAWING NO.:

C901

SHEET 38 OF 41

**MERCER NODE PROPERTY, LLC
MERCER NODE DEVELOPMENT
200-201 CLARK STREET
CITY OF SHARON
MERCER COUNTY, PA**

700 Cherrington Parkway
Moon Township, PA 15108
Ph: 412.429.2324 · 800.365.2324
www.cecinc.com

vil & Environmental
Consultants, Inc.

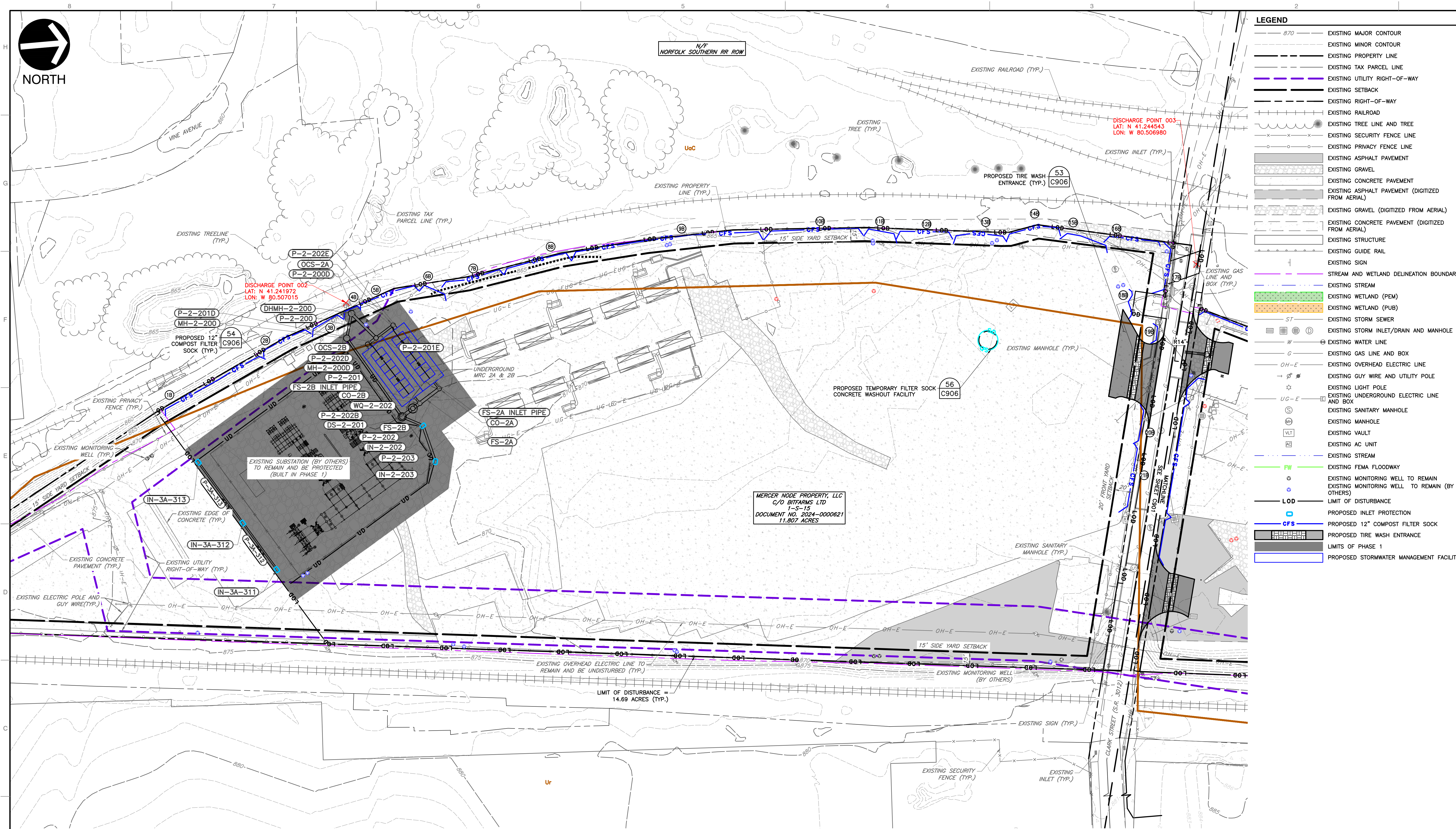
REVISION RECORD

NO	DATE	DESCRIPTION
1.	08/03/2026	RESPONSE TO INCOMPLETENESS LETTER DATED 05/04/2026
2.	08/14/2026	RESPONSE TO TECHNICAL DEFICIENCY LETTER DATED 07/16/2026
3.	09/18/2026	RESPONSE TO TECHNICAL DEFICIENCY LETTER DATED 09/10/2026

ENGINEERING, SURVEYING AND LANDSCAPE ARCHITECTURE IN THE STATE OF NORTH CAROLINA WILL BE PROVIDED BY GEC SURVEYING AND LANDSCAPE ARCHITECTS OF NC, PLLC. SERVICES IN PUERTO RICO WILL BE PROVIDED BY GEC ENGINEERS & CONSULTANTS, LLC. LANDSCAPE ARCHITECTURE SERVICES IN THE STATE OF OHIO WILL BE PROVIDED BY GEC LANDSCAPE ARCHITECTS, LLC.



NORTH

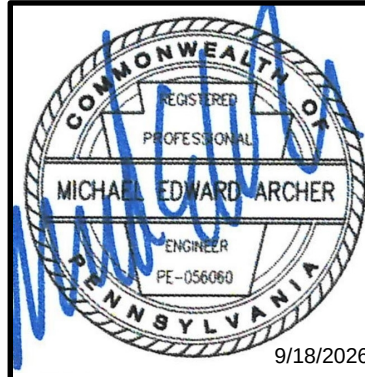


NOTES

1. SITE CONTRACTORS AND OTHER APPROPRIATE PARTIES SHALL REFERENCE THE APPROVED ON-SITE MATERIALS MANAGEMENT PLAN, ENVIRONMENTAL COVENANT, AND CONSENT ORDER AGREEMENT FOR SITE-SPECIFIC GUIDANCE, PROCEDURES, AND RESPONSIBILITIES.
2. THE DESIGNATED ENVIRONMENTAL REPRESENTATIVE MUST BE PRESENT DURING ALL DEWATERING ACTIVITIES AND DEWATERING TO BE COMPLETED PER THE APPROVED ONSITE MATERIALS MANAGEMENT PLAN, ENVIRONMENTAL COVENANT, AND CONSENT ORDER AGREEMENT.

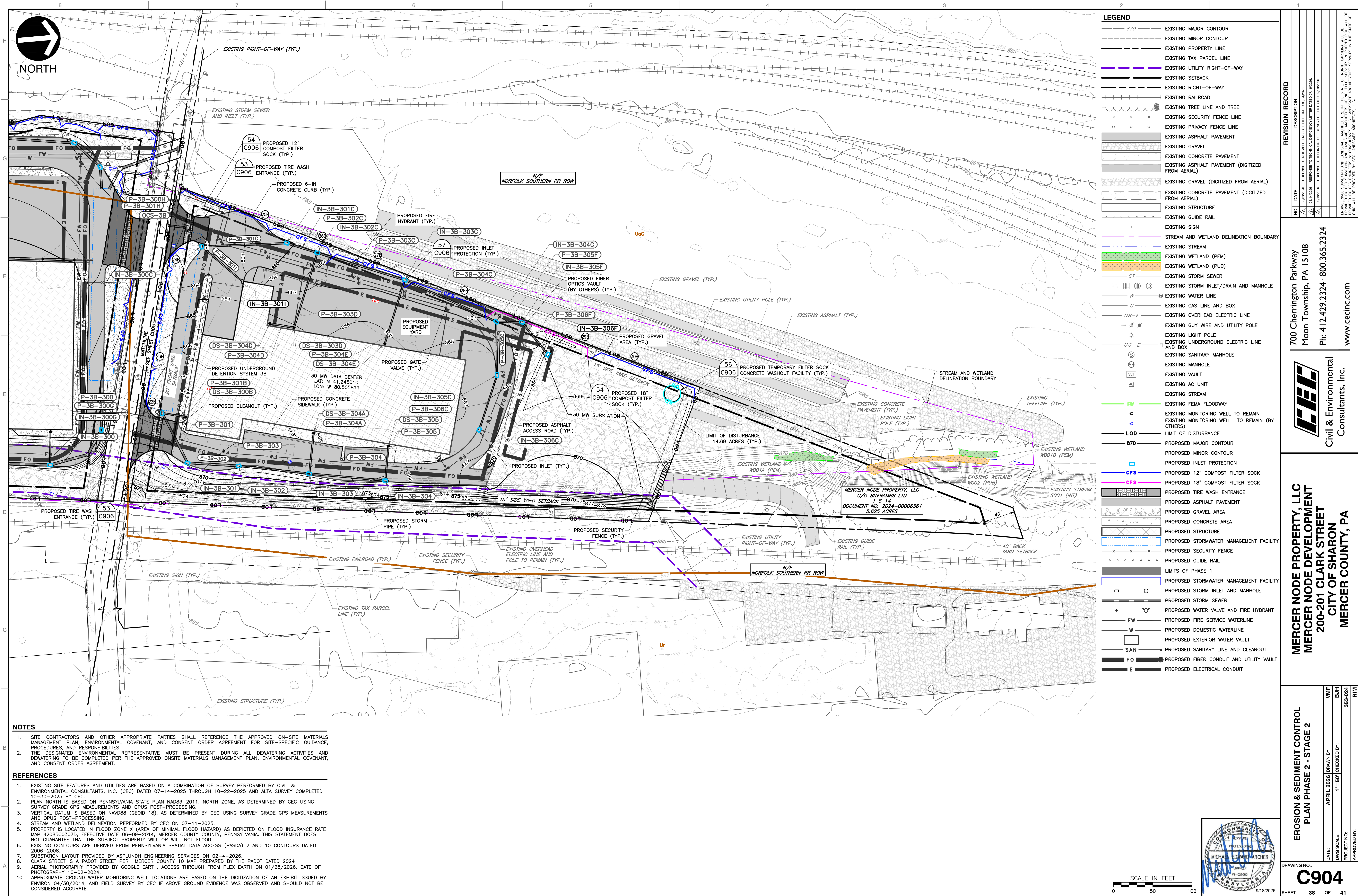
REFERENCES

1. EXISTING SITE FEATURES AND UTILITIES ARE BASED ON A COMBINATION OF SURVEY PERFORMED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. (CEC) DATED 07-14-2025 THROUGH 10-22-2025 AND ALTA SURVEY COMPLETED 10-30-2025 BY CEC.
2. PLAN NORTH IS BASED ON PENNSYLVANIA STATE PLAN NAD83-2011, NORTH ZONE, AS DETERMINED BY CEC USING SURVEY GRADE GPS MEASUREMENTS AND OPUS POST-PROCESSING.
3. VERTICAL DATUM IS BASED ON NAVD83 (GEOID 18), AS DETERMINED BY CEC USING SURVEY GRADE GPS MEASUREMENTS AND OPUS POST-PROCESSING.
4. STREAM AND WETLAND DELINEATION PERFORMED BY CEC ON 07-11-2025.
5. PROPERTY IS LOCATED IN FLOOD ZONE 1 (AREA OF MINIMAL FLOOD HAZARD) AS DEPICTED ON FLOOD INSURANCE RATE MAP 460285C0307, EFFECTIVE DATE 06-09-2014, MERCER COUNTY COUNTY, PENNSYLVANIA, THIS STATEMENT DOES NOT GUARANTEE THAT THE SUBJECT PROPERTY WILL OR WILL NOT FLOOD.
6. EXISTING CONTOURS ARE DERIVED FROM PENNSYLVANIA SPATIAL DATA ACCESS (PASDA) 2 AND 10 CONTOURS DATED 2006-2008.
7. SUBSTATION LAYOUT PROVIDED BY ASPUNDH ENGINEERING SERVICES ON 02-4-2026.
8. CLARK STREET IS A PADOT STREET PER MERCER COUNTY 10 MAP PREPARED BY THE PADOT DATED 2024.
9. AERIAL PHOTOGRAPHY PROVIDED BY GOOGLE EARTH, ACCESS THROUGH FROM PLEX EARTH ON 01/28/2026. ISSUED BY PHOTOGRAPHY 10-02-2024.
10. HYDROLOGICAL PROGNOSTIC WATER MONITORING WELL LOCATIONS ARE BASED ON THE DIGITIZATION OF AN EXHIBIT DATED BY ENVIRON 04/30/2014, AND FIELD SURVEY BY CEC IF ABOVE GROUND EVIDENCE WAS OBSERVED AND SHOULD NOT BE CONSIDERED ACCURATE.



SCALE IN FEET

EROSION & SEDIMENT CONTROL PLAN PHASE 3 - STAGE 1		MERCER NODE PROPERTY, LLC MERCER NODE DEVELOPMENT 200-201 CLARK STREET CITY OF SHARON MERCER COUNTY, PA		700 Cherrington Parkway Moon Township, PA 15108 Ph: 412.429.2324 • 800.365.2324		www.cecinc.com	
DRAWING NO.: C902		DATE: APRIL 2025		DATE: 04/15/2025		DATE: 04/15/2025	
DWG SCALE: 1"=50'		CHECKED BY: BUH		RESPONSE TO TECHNICAL INTERVIEW LETTER DATED 04/08/2024		RESPONSE TO TECHNICAL INTERVIEW LETTER DATED 04/08/2024	
PROJECT NO: 353-024		APPROVED BY: RIM		RESPONSE TO TECHNICAL INTERVIEW LETTER DATED 04/08/2024		RESPONSE TO TECHNICAL INTERVIEW LETTER DATED 04/08/2024	
SHEET 39 OF 41		ENGINEERING, SURVEYING AND LANDSCAPE ARCHITECTURE IN THE STATE OF NORTH CAROLINA WILL BE PROVIDED BY CEC SURVEYING AND LANDSCAPE ARCHITECTS OF INC., PLLC. SERVICES IN PERTAIN TO THIS DRAWING WILL BE PROVIDED BY CEC LANDSCAPE ARCHITECTS, LLC.		ENGINEERING, SURVEYING AND LANDSCAPE ARCHITECTURE IN THE STATE OF NORTH CAROLINA WILL BE PROVIDED BY CEC SURVEYING AND LANDSCAPE ARCHITECTS OF INC., PLLC. SERVICES IN PERTAIN TO THIS DRAWING WILL BE PROVIDED BY CEC LANDSCAPE ARCHITECTS, LLC.		ENGINEERING, SURVEYING AND LANDSCAPE ARCHITECTURE IN THE STATE OF NORTH CAROLINA WILL BE PROVIDED BY CEC SURVEYING AND LANDSCAPE ARCHITECTS OF INC., PLLC. SERVICES IN PERTAIN TO THIS DRAWING WILL BE PROVIDED BY CEC LANDSCAPE ARCHITECTS, LLC.	



NOTES

REFERENCES

LEGEND

REVISION RECORD		
NO	DATE	DESCRIPTION
1	03/03/2008	RESPONSE TO INQUIRY LETTER DATED 03/03/2008
2	03/14/2008	RESPONSE TO TECHNICAL DEPENDENCY LETTER DATED 03/14/2008
3	03/18/2008	RESPONSE TO TECHNICAL DEPENDENCY LETTER DATED 03/18/2008
4		
5		
6		

ARCHITECTS: SUTHERLAND AND LANDSCAPE ARCHITECTURE IN THE STATE OF NORTH CAROLINA WILL BE PROVIDED BY GUN BARRETT AND LANDSCAPE ARCHITECTS OF INC. ALL SERVICES IN REPORT HEREON WILL BE PROVIDED BY GUN BARRETT AND LANDSCAPE ARCHITECTS OF INC. ALL THE STATE OF NORTH CAROLINA WILL BE PROVIDED BY GUN BARRETT AND LANDSCAPE ARCHITECTS OF INC.



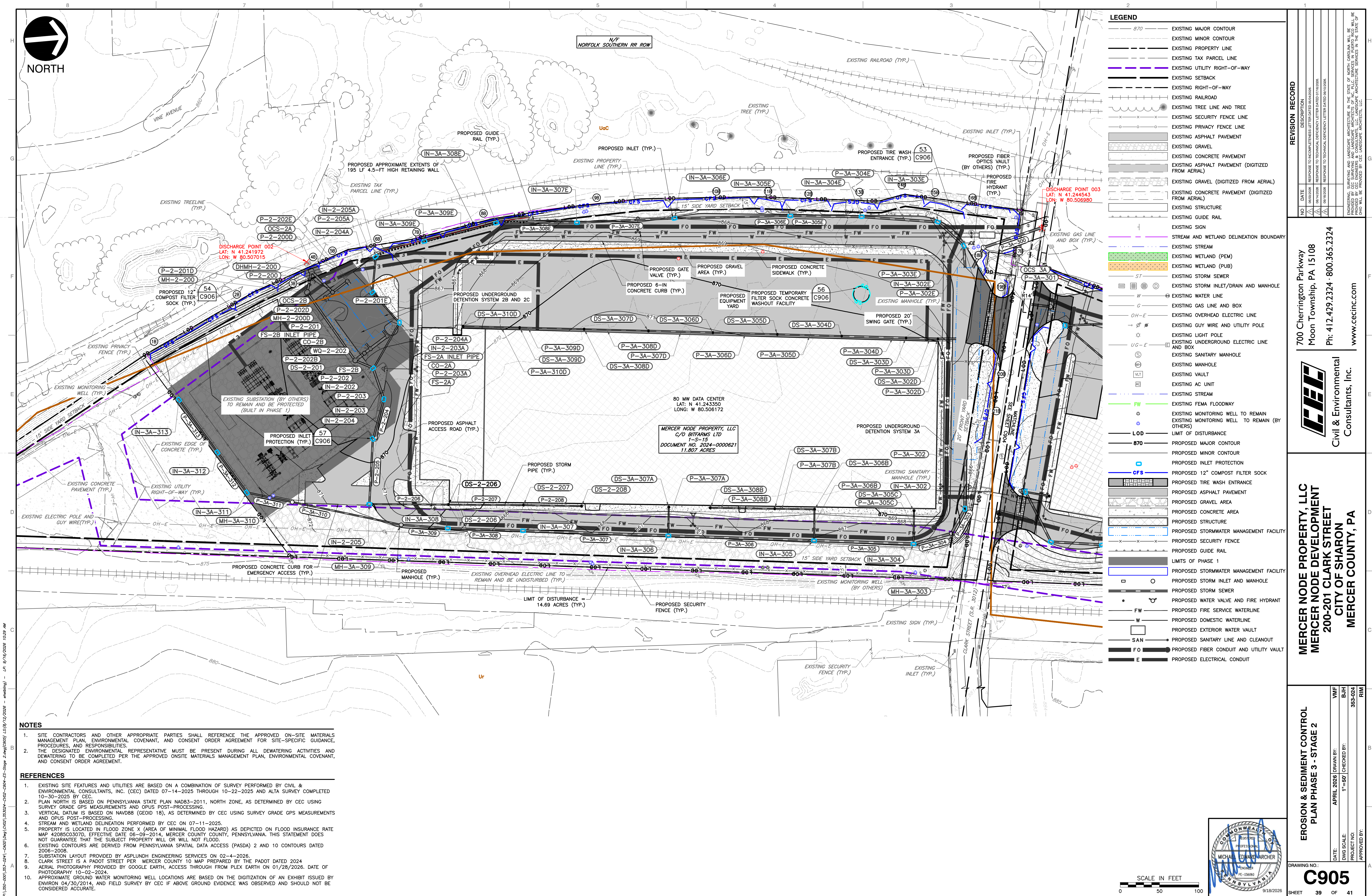
**MERCER NODE PROPERTY, LLC
MERCER NODE DEVELOPMENT
200-201 CLARK STREET
CITY OF SHARON
MERCER COUNTY, PA**

**EROSION & SEDIMENT CONTROL
PLAN PHASE 2 - STAGE 2**

DRAWING NO.:

SHEET 38 OF 41

OF 41



NOTES

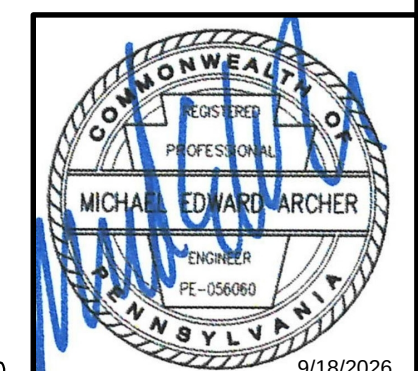
1. SITE CONTRACTORS AND OTHER APPROPRIATE PARTIES SHALL REFERENCE THE APPROVED ON-SITE MATERIALS MANAGEMENT PLAN, ENVIRONMENTAL COVENANT, AND CONSENT ORDER AGREEMENT FOR SITE-SPECIFIC GUIDANCE, PROCEDURES, AND RESPONSIBILITIES.
2. THE DESIGNATED ENVIRONMENTAL REPRESENTATIVE MUST BE PRESENT DURING ALL DEWATERING ACTIVITIES AND DEWATERING TO BE COMPLETED PER THE APPROVED ONSITE MATERIALS MANAGEMENT PLAN, ENVIRONMENTAL COVENANT, AND CONSENT ORDER AGREEMENT.

REFERENCES

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2. PLAN NORTH IS BASED ON PENNSYLVANIA STATE PLAN NAD83-2011, NORTH ZONE, AS DETERMINED BY CEC USING SURVEY GRADE GPS MEASUREMENTS AND OPUS POST-PROCESSING.
3. VERTICAL DATUM IS BASED ON NAVD88 (GEOID 16), AS DETERMINED BY CEC USING SURVEY GRADE GPS MEASUREMENTS AND OPUS POST-PROCESSING.
4. STREAM AND WETLAND DELINEATION PERFORMED BY CEC ON 07-11-2025.
5. PROPERTY IS LOCATED IN FLOOD ZONE X (AREA OF MINIMAL FLOOD HAZARD) AS DEPICTED ON FLOOD INSURANCE RATE MAP 42085C0307D, EFFECTIVE DATE 06-09-2014, MERCER COUNTY COUNTY, PENNSYLVANIA. THIS STATEMENT DOES NOT GUARANTEE THAT THE SUBJECT PROPERTY WILL OR WILL NOT FLOOD.
6. EXISTING CONTOURS ARE DERIVED FROM PENNSYLVANIA SPATIAL DATA ACCESS (PASDA) 2 AND 10 CONTOURS DATED 2006-2008.
7. SUBSTATION LAYOUT PROVIDED BY ASPLUNDH ENGINEERING SERVICES ON 02-4-2026.
8. CLARK STREET IS A PADOT STREET PER MERCER COUNTY 10 MAP PREPARED BY THE PADOT DATED 2024.
9. AERIAL PHOTOGRAPHY PROVIDED BY GOOGLE EARTH, ACCESS THROUGH FROM PLEX EARTH ON 01/28/2026. DATE OF PHOTOGRAPHY 10-02-2024.
10. APPROXIMATE GROUND WATER MONITORING WELL LOCATIONS ARE BASED ON THE DIGITIZATION OF AN EXHIBIT ISSUED BY ENVIRON 04/30/2014, AND FIELD SURVEY BY CEC IF ABOVE GROUND EVIDENCE WAS OBSERVED AND SHOULD NOT BE CONSIDERED ACCURATE.

LEGEND	
870	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	EXISTING PROPERTY LINE
	EXISTING TAX PARCEL LINE
	EXISTING UTILITY RIGHT-OF-WAY
	EXISTING SETBACK
	EXISTING RIGHT-OF-WAY
	EXISTING RAILROAD
	EXISTING TREE LINE AND TREE
	EXISTING SECURITY FENCE LINE
	EXISTING PRIVACY FENCE LINE
	EXISTING ASPHALT PAVEMENT
	EXISTING GRAVEL
	EXISTING CONCRETE PAVEMENT
	EXISTING ASPHALT PAVEMENT (DIGITIZED FROM AERIAL)
	EXISTING CONCRETE PAVEMENT (DIGITIZED FROM AERIAL)
	EXISTING STRUCTURE
	EXISTING GUIDE RAIL
	EXISTING SIGN
	STREAM AND WETLAND DELINEATION BOUNDARY
	EXISTING STREAM
	EXISTING WETLAND (PEM)
	EXISTING WETLAND (PUB)
	EXISTING STORM SEWER
	EXISTING STORM INLET/RAIN AND MANHOLE
	EXISTING WATER LINE
	EXISTING GAS LINE AND BOX
	EXISTING OVERHEAD ELECTRIC LINE
	EXISTING GUY WIRE AND UTILITY POLE
	EXISTING LIGHT POLE
	EXISTING UNDERGROUND ELECTRIC LINE AND BOX
	EXISTING SANITARY MANHOLE
	EXISTING MANHOLE
	EXISTING VAULT
	EXISTING AC UNIT
	EXISTING STREAM
	EXISTING FEMA FLOODWAY
	EXISTING MONITORING WELL TO REMAIN
	EXISTING MONITORING WELL TO REMAIN (BY OTHERS)
	LIMIT OF DISTURBANCE
870	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	PROPOSED INLET PROTECTION
	PROPOSED 12' COMPOST FILTER SOCK
	PROPOSED TIRE WASH ENTRANCE
	PROPOSED ASPHALT PAVEMENT
	PROPOSED GRAVEL AREA
	PROPOSED CONCRETE AREA
	PROPOSED STRUCTURE
	PROPOSED STORMWATER MANAGEMENT FACILITY
	PROPOSED SECURITY FENCE
	PROPOSED GUIDE RAIL
	LIMITS OF PHASE 1
	PROPOSED STORMWATER MANAGEMENT FACILITY
	PROPOSED STORM INLET AND MANHOLE
	PROPOSED STORM SEWER
	PROPOSED WATER VALVE AND FIRE HYDRANT
	PROPOSED FIRE SERVICE WATERLINE
	PROPOSED DOMESTIC WATERLINE
	PROPOSED EXTERIOR WATER VAULT
	PROPOSED SANITARY LINE AND CLEANOUT
	PROPOSED FIBER CONDUIT AND UTILITY VAULT
	PROPOSED ELECTRICAL CONDUIT

SCALE IN FEET
0 50 100



REVISION RECORD	
NO.	DATE
1	04/10/2026
2	04/10/2026
3	04/10/2026
4	04/10/2026

700 Cherrington Parkway
Moon Township, PA 15108
Ph. 412.429.2324 · 800.365.2324
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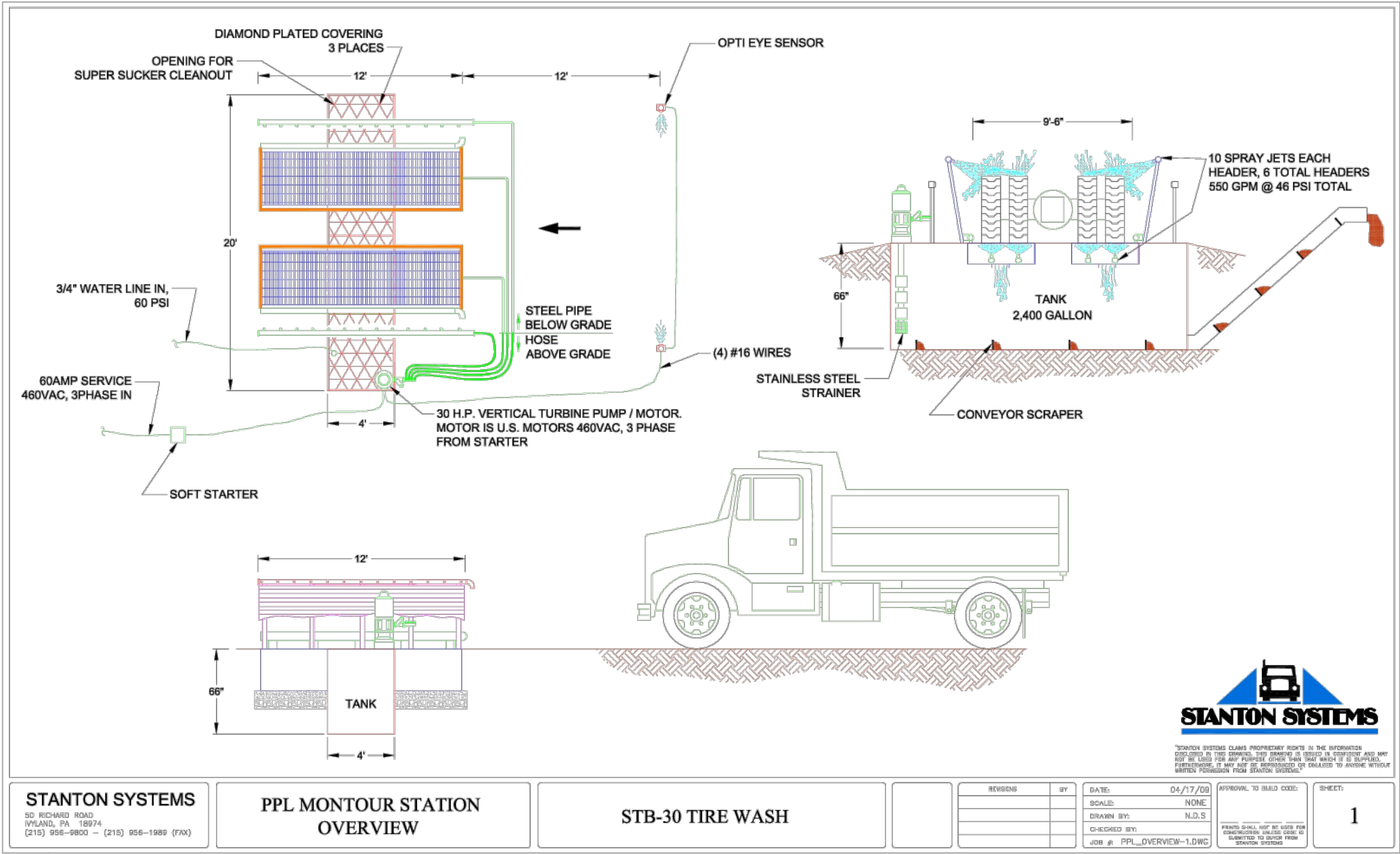
CEC
Civil & Environmental
Consultants, Inc.

MERCER NODE PROPERTY, LLC
MERCER NODE DEVELOPMENT
200-201 CLARK STREET
CITY OF SHARON
MERCER COUNTY, PA

EROSION & SEDIMENT CONTROL
PLAN PHASE 3 - STAGE 2

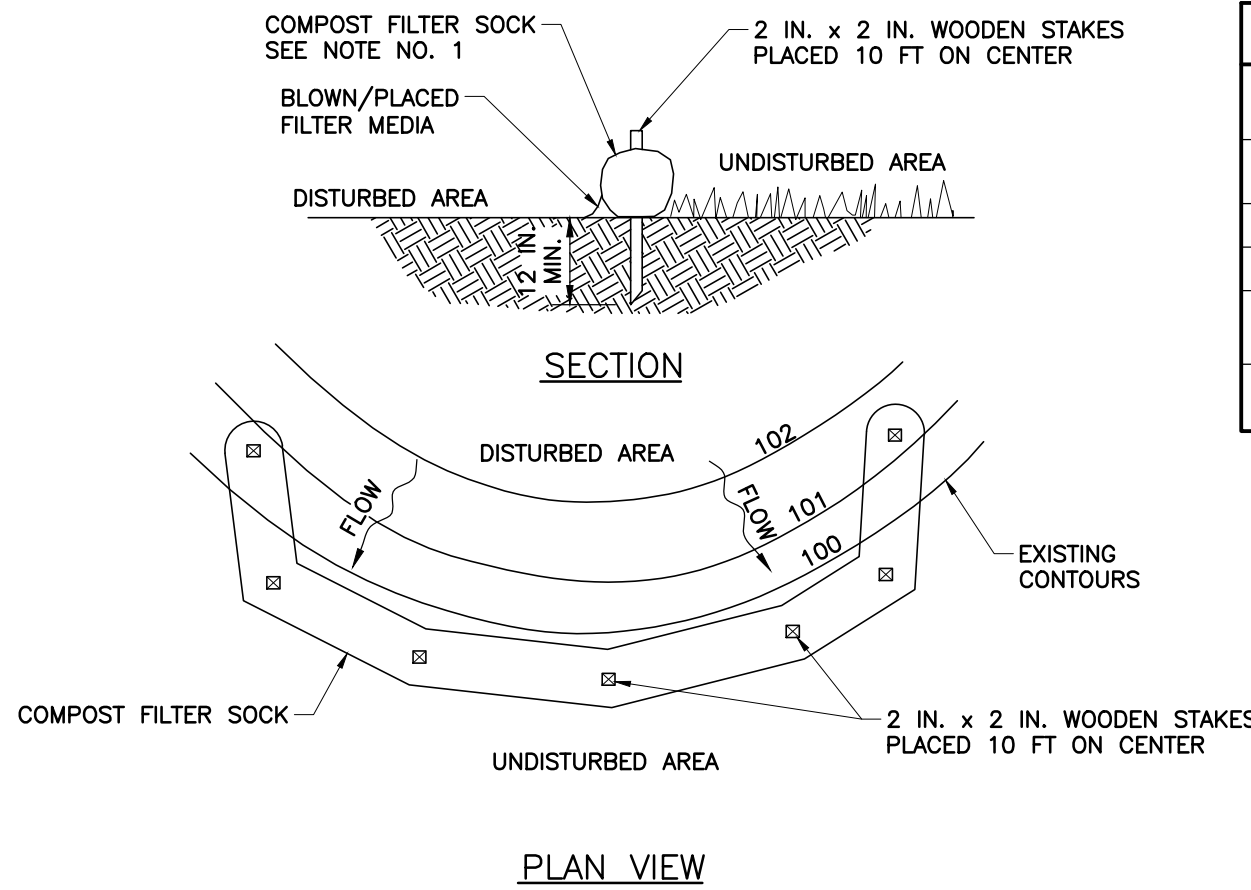
DATE: APRIL 2026
DRAWN BY: VMF
CHECKED BY: BJH
PROJECT NO: 353-024
APPROVED BY: RIM

DRAWING NO: **C905**
SHEET 39 OF 41



- NOTES:**
1. TIREWASH SHALL BE STB-30 TIRE WASH OR APPROVED ALTERNATIVE.
 2. ALL INGRESS/EGRESS TO/FROM THE SITE MUST BE VIA THE TIRE WASH ENTRANCE.
 3. TO MAINTAIN LOW TSS LEVELS AND REDUCE THE NEED FOR CLEANING THAT WOULD REQUIRE CONFINED-SPACE ENTRY, MATERIAL EXTRACTED BY THE CONVEYOR SHALL BE CONTAINED FOR DISPOSAL IN A SUITABLE CONTAINER, SUCH AS A CONCRETE WASHOUT ROLL-OFF OR A DOT-APPROVED DRUM.
 4. SEDIMENT AND WASH WATER SHALL BE MANAGED IN ACCORDANCE WITH THE SOIL MANAGEMENT PLAN.
- INSPECTION:**
1. ENTRANCES SHALL BE INSPECTED DAILY.
- MAINTENANCE:**
1. MAINTENANCE TO BE PERFORMED IN ACCORDANCE WITH MANUFACTURE SPECIFICATIONS.
 2. WATER QUALITY SHALL BE MONITORED USING TOTAL SUSPENDED SOLIDS (TSS). ONCE AN AGREED-UPON TSS THRESHOLD IS REACHED, THE WASH WATER IN THE CLOSED-LOOP SYSTEM WILL BE REPLACED, AND THE SPENT WASH WATER WILL BE MANAGED UNDER THE SOIL MANAGEMENT PLAN.

DETAIL 53
TIRE WASH ENTRANCE
N.T.S.

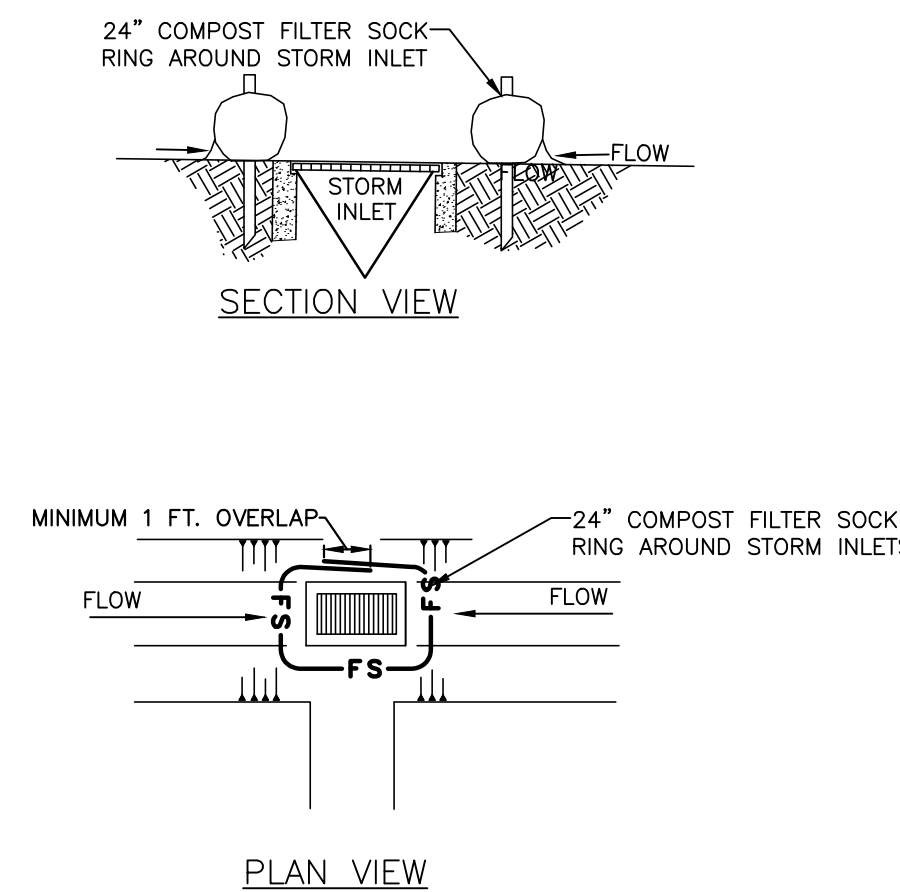


COMPOST FILTER SOCK

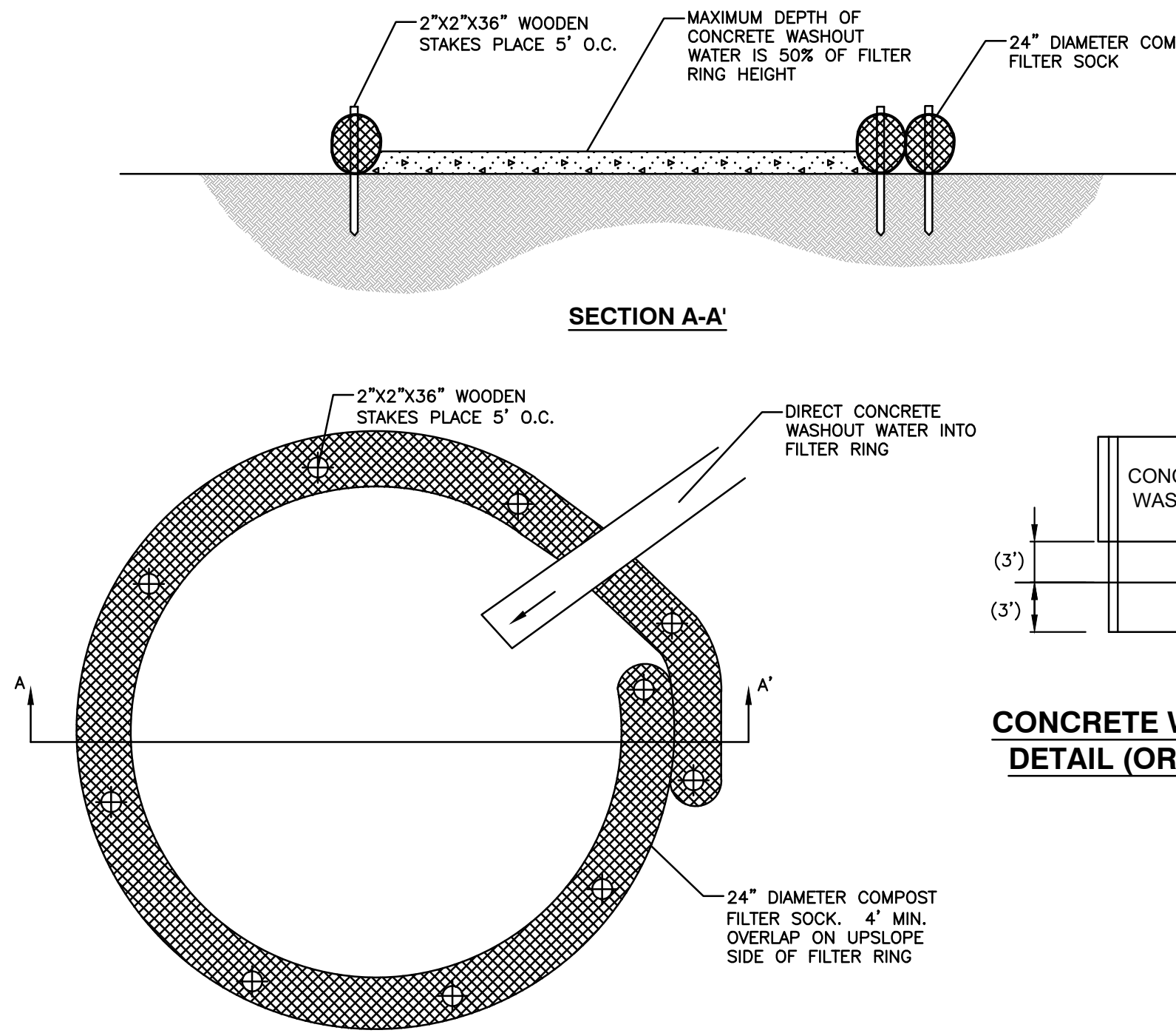
COMPOST STANDARDS	
ORGANIC MATTER CONTENT	25%-100% (DRY WEIGHT BASIS)
ORGANIC PORTION	FIBROUS AND ELONGATED
PH	5.5-8.5
MOISTURE CONTENT	30%-60%
PARTICLE SIZE	30%-50% PASS THROUGH #8 SIEVE
SOLUBLE SALT CONCENTRATION	5.0 DS/M (MHOS/CM) MAXIMUM

COMPOST FILTER SOCK SIZE CHART		
SOCK NUMBER	SIZE (INCHES)	LENGTH (FT)
1B	12	135
2B	12	70
3B	12	50
4B	12	30
5B	12	80
6B	12	40
7B	12	75
8B	12	85
9B	12	225
10B	12	120
11B	12	50
12B	12	75
13B	12	70
14B	12	75
15B	12	65
16B	12	70
17B	12	70
18B	12	35
19B	12	30
20B	12	50
21B	12	85
22B	12	60
23B	12	135
24B	12	40
25B	12	130
26B	12	90
27B	12	120
28B	12	125
29B	18	155
30B	12	160

DETAIL 54
COMPOST FILTER SOCK
N.T.S.



CONCRETE WASHOUT SIGN
DETAIL (OR EQUIVALENT)



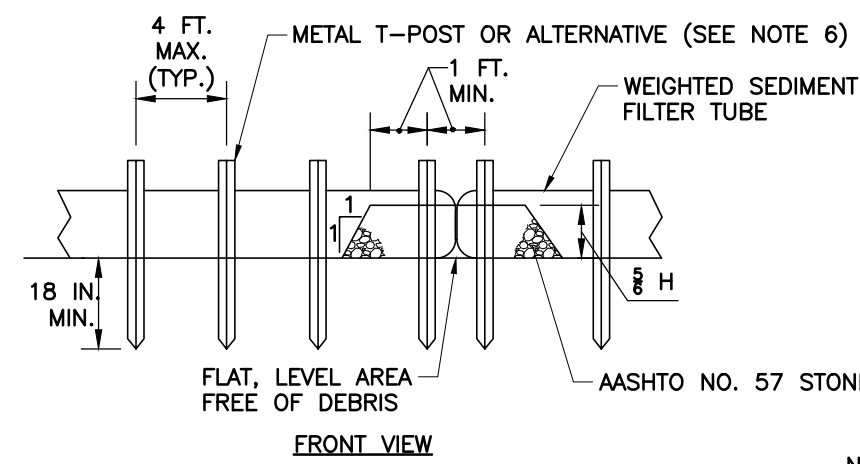
DETAIL 56
TEMPORARY FILTER SOCK CONCRETE WASHOUT FACILITY
N.T.S.

ABACT SEDIMENT BARRIER CONTROL EQUIVALENCIES			
FILTER SOCK SIZE	WEIGHTED SEDIMENT FILTER TUBES	STACKED FILTER SOCK	ADVANCED SILT FENCE®
12"	12"	—	SILTRON®16
18"	18" TO 20"	—	SILTRON®16
24"	—	2-12", 1-12" STACKED FILTER SOCK	SILTRON®21
32"	—	2-18", 1-18" STACKED FILTER SOCK	SILTRON®28

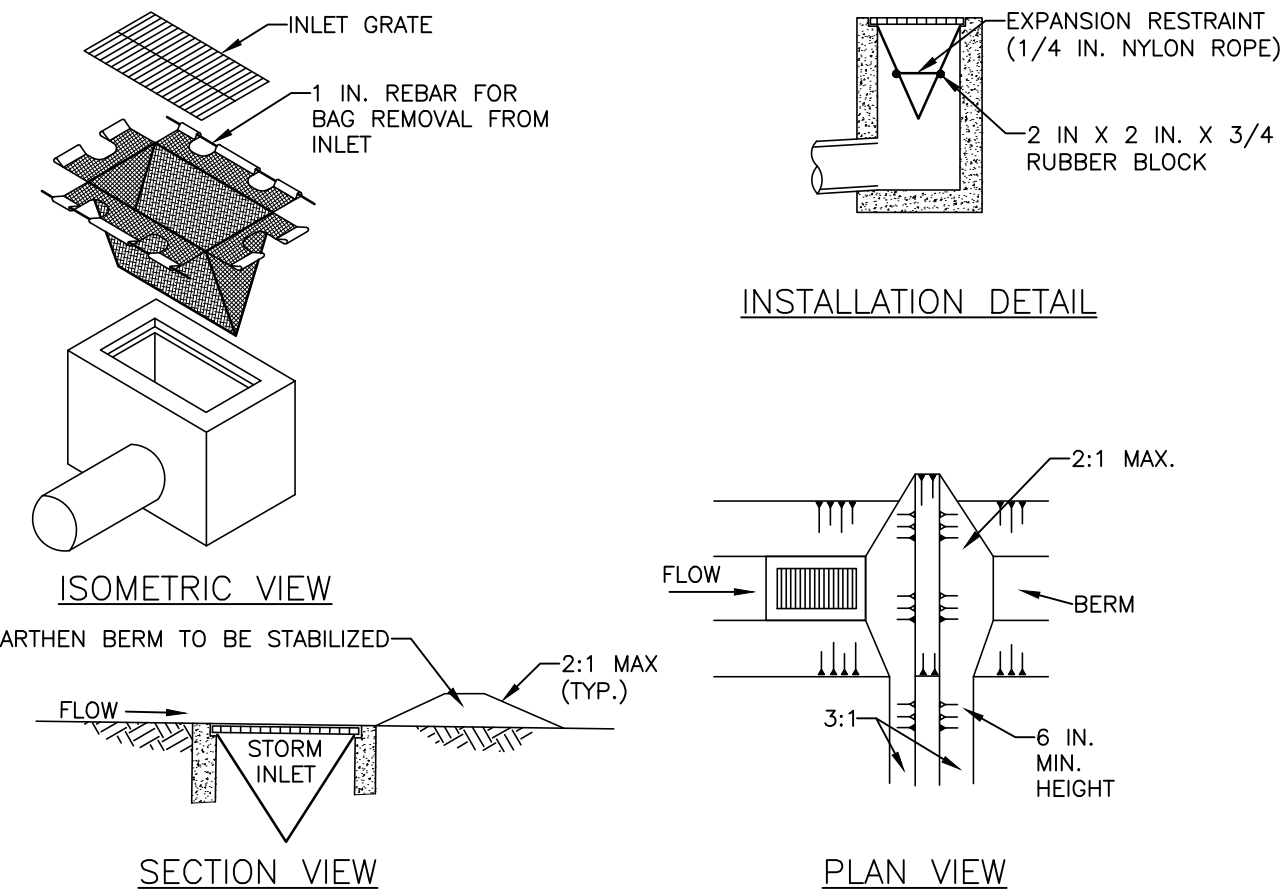
NOTES:

1. THE ABOVE TABLE DETAILS ACCEPTABLE ALTERNATIVES TO THE SEDIMENT BARRIER CONTROLS SHOWN ON THE PLANS.

ABACT SEDIMENT BARRIER CONTROL EQUIVALENCY TABLE



ALTERNATIVE - WEIGHTED SEDIMENT FILTER TUBE
N.T.S.



DETAIL 57
INLET PROTECTION
N.T.S.

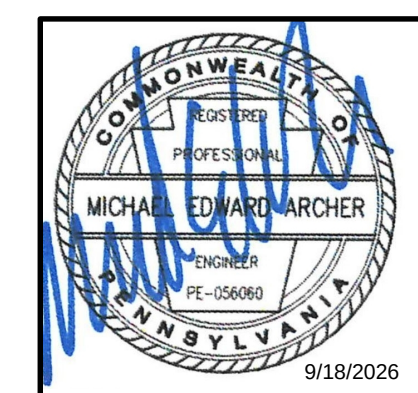
REVISION RECORD	
NO.	DESCRIPTION
1	RESPONSE TO INCOMPLETE LETTER DATED 06/04/2008
2	RESPONSE TO TECHNICAL DEFICIENCY LETTER DATED 07/16/2008
3	RESPONSE TO TECHNICAL DEFICIENCY LETTER DATED 08/19/2008

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MERCER NODE DEVELOPMENT
200-201 CLARK STREET
CITY OF SHARON
MERCER COUNTY, PA

EROSION & SEDIMENT CONTROL DETAILS	
DATE: APRIL 2025	DRAWN BY: VWF
DWG SCALE: B/JH	CHECKED BY: 353-024
PROJECT NO: 353-024	APPROVED BY: RIM



DRAWING NO: **C906**
SHEET 40 OF 41

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TEMPORARY CONTROL MEASURES

THE E&S CONTROL FACILITIES FOR THE PROPOSED MERCER NODE PROJECT ARE SHOWN ON THE E&S CONTROL PLAN. CONTROL MEASURES SHOWN ON THIS SHEET ARE MINIMUM CONTROLS TO PROTECT AREAS FROM SEDIMENT-LADEN RUNOFF. ADDITIONAL CONTROLS MAY BE REQUIRED DEPENDING ON THE PROGRESS OF CONSTRUCTION AND VARYING CONDITIONS ENCOUNTERED.

A. TIRE WASH ENTRANCE

A TIRE WASH ENTRANCE WILL BE PROVIDED AT THE LOCATION SHOWN ON THE PLANS AND IN ACCORDANCE WITH THE STANDARD DETAIL TO REMOVE SEDIMENT/MUD FROM VEHICLES BEFORE ENTERING PUBLIC ROADS.

INSTALLATION: TIRE WASH ENTRANCE SHALL BE STB 30 TIRE WASH ENTRANCE OR APPROVED ALTERNATIVE. INSTALL TIRE WASH ENTRANCE IN ACCORDANCE WITH MANUFACTURE SPECIFICATIONS.

MAINTENANCE: TIRE WASH ENTRANCE SHALL BE INSPECTED DAILY. ENTRANCE SHALL BE MAINTAINED IN ACCORDANCE WITH MANUFACTURE SPECIFICATIONS.

B. COMPOST FILTER SOCK

THE COMPOST FILTER SOCK AS MANUFACTURED BY FILTREXX, OR EQUIVALENT SHALL BE USED IN THE LOCATIONS INDICATED ON THE PLAN.

INSTALLATION:

1. PLACE COMPOST FILTER SOCKS WHERE INDICATED AT LEVEL GRADE ALONG CONTOURS, PERPENDICULAR TO THE DIRECTION OF WATER FLOW. EXTEND BOTH ENDS AT LEAST 8' UP THE SLOPE AT 45 DEGREES TO MAIN SOCK ALIGNMENT.
2. USE WOODEN STAKES TO SECURE THE FILTER SOCKS. WOODEN STAKES MUST BE 2-INCHES BY 2-INCHES AND OF SUFFICIENT LENGTH THAT STAKES WILL BE EMBEDDED A MINIMUM 12-INCHES INTO THE SOIL AND BE EXPOSED 3-INCHES OUT OF THE FILTER SOCK. DRIVE THE STAKES THROUGH THE FILTER SOCK LEAVING NO MORE THAN 3 TO 4 INCHES OF THE STAKE OR PIN EXPOSED. PLACE STAKES EVERY 10 FEET. ADDITIONAL STAKES MAY BE REQUIRED.
3. WHEN MORE THAN ONE LENGTH OF FILTER SOCK IS USED, OVERLAP ENDS A MINIMUM OF 24-INCHES.
4. BACKFILL ALONG UPSLOPE SIDE OF FILTER SOCKS WITH LOOSE COMPOST, FILLING THE SEAM BETWEEN THE SOIL SURFACE AND FILTER SOCK.

MAINTENANCE: ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES HALF THE ABOVE GROUND HEIGHT OF THE SOCK AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN. SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24-HOURS OF INSPECTION. BIODEGRADABLE FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS; PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCK, STAKES AND SOCK SHALL BE REMOVED.

C. STORM SEWER INLET PROTECTION

CURB AND GRATED INLETS ARE PROTECTED FROM THE INTRUSION OF SEDIMENT THROUGH A VARIETY OF MEASURES AS SHOWN ON THE DETAILS INCLUDED IN THE CONSTRUCTION DRAWINGS. THE PRIMARY MECHANISM IS TO PLACE CONTROLS IN THE PATH OF FLOW SUFFICIENT TO SLOW THE SEDIMENT-LADEN WATER TO ALLOW SETTLEMENT OF SUSPENDED SOILS BEFORE DISCHARGING INTO THE STORM SEWER. IT IS POSSIBLE THAT AS CONSTRUCTION PROGRESSES FROM STORM SEWER INSTALLATION THROUGH TO PAVING THAT THE INLET PROTECTION DEVICES WILL CHANGE.

INLET FILTER BAGS WILL BE PROVIDED AT ALL STORM SEWER INLETS AS THEY ARE INSTALLED TO FILTER SEDIMENT-LADEN WATER PRIOR TO ENTERING THE STORM SEWER SYSTEM.

INSTALLATION: THE INLET FILTER BAGS SHALL BE INSTALLED IN THE LOCATIONS SHOWN ON THE PLANS AND IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

MAINTENANCE: ALL INLET FILTER BAGS SHALL BE CLEANED AND/OR REPLACED WHEN THE BAG IS HALF FULL IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. ALL DAMAGED INLET FILTER BAGS SHALL BE REPLACED. THE ACCUMULATED SEDIMENT SHALL BE DISTRIBUTED EVENLY AMONG THE SITE AND STABILIZED.

D. CONSTRUCTION/PROJECT WASTE RECYCLING/DISPOSAL

CONSTRUCTION WASTES ARE REFUSE MATERIALS THAT ARE EXISTING ON-SITE OR GENERATED DURING THE COURSE OF CONSTRUCTION AND INCLUDE, BUT ARE NOT LIMITED TO, PAPER, PLASTIC, RUBBER, CONCRETE WASTE WASH, GRASS CLIPPINGS, LEAVES, WOOD, TEXTILE, AND METAL PRODUCTS.

INSTALLATION: THE CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING WASTE RECYCLING/DISPOSAL AREAS ON THE E&S PLAN ONCE THEY HAVE BEEN DETERMINED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL WASTE RECYCLING/DISPOSAL PERMITS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES.

MAINTENANCE: ALL CONSTRUCTION WASTE SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED/RECYCLED OF AT A STATE-APPROVED WASTE SITE AND/OR STATE APPROVED LANDFILL AND IN ACCORDANCE WITH ALL LOCAL/STATE CODES, PERMIT REQUIREMENTS, AND REGULATIONS. THE BURNING OF WASTE MATERIALS WILL NOT BE PERMITTED.

E. TOPSOIL/MATERIAL STOCKPILE AREA

THERE WILL BE A DESIGNATED MATERIAL STOCKPILE AREA LOCATED ON THE PROPERTY. ALL SITE DEMOLITION MATERIAL SHALL BE STOCKPILED THERE UNTIL TRANSPORTED TO AN APPROVED PADEP DISPOSAL AREA AS REQUIRED BY TESTING.

INSTALLATION: INSTALL COMPOST FILTER SOCKS AROUND MATERIAL STOCKPILE.

MAINTENANCE: INSPECT TEMPORARY STOCKPILES WEEKLY. REPAIR OR REPLACE COMPOST FILTER SOCK AS NECESSARY TO MAINTAIN THE INTEGRITY OF THE SOCK MATERIAL.

F. CONCRETE WASHOUT

CONCRETE WASHOUTS SHALL BE CONSTRUCTED ONSITE TO CONTAIN ALL WASHOUT WATER FROM CONCRETE CONSTRUCTION ACTIVITIES. WASHOUTS SHALL BE CLEARLY MARKED.

INSTALLATION: WASHOUTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARD DETAIL PROVIDED.

MAINTENANCE: WASHOUTS SHALL BE CLEANED OUT WHEN ACCUMULATED MATERIALS TAKE UP 2/3 OF THE AVAILABLE STORAGE CAPACITY. MATERIALS SHALL BE DISPOSED OF IN A PADEP-APPROVED FACILITY. MAKE ANY REPAIRS TO THE CONTAINMENT FACILITY AS NEEDED.

G. ORANGE CONSTRUCTION FENCE

ORANGE CONSTRUCTION FENCE SHALL BE INSTALLED TO PROTECT SENSITIVE AREAS PER THE PLAN.

INSTALLATION: ORANGE CONSTRUCTION FENCE SHALL BE INSTALLED AT THE LOCATION AS SHOWN ON THE PLANS AND IN ACCORDANCE WITH THE STANDARD DETAIL.

MAINTENANCE: THE FENCING MUST REMAIN IN PLACE DURING ALL PHASES OF CONSTRUCTION; ANY CHANGE OF THE PROTECTIVE FENCING MUST BE APPROVED BY THE OWNER AND ENGINEER OF RECORD.

CONSTRUCTION STAGING GENERAL NOTES

1. AT LEAST THREE (3) DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, OR EXPANDING INTO AN AREA PREVIOUSLY UNMARKED, THE PENNSYLVANIA ONE CALL SYSTEM INC. SHALL BE NOTIFIED AT 1-800-242-1776 FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES.
2. ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE SEQUENCE PROVIDED ON THE PLAN DRAWINGS. DEVIATION FROM THAT SEQUENCE MUST BE APPROVED BY THE MERCER COUNTY CONSERVATION DISTRICT PRIOR TO IMPLEMENTATION. EACH STEP OF THE SEQUENCE SHALL BE COMPLETED BEFORE PROCEEDING TO THE NEXT STEP, EXCEPT WHERE NOTED.
3. IMMEDIATELY STABILIZE ALL DISTURBED AREAS UPON A TEMPORARY CESSATION OF WORK (4 DAYS OR MORE) OR AS SOON AS ANY GRADED AREA REACHES FINAL GRADE.
4. AS SOON AS SLOPES, CHANNELS, AND OTHER DISTURBED AREAS REACH FINAL GRADE THEY MUST BE PERMANENTLY STABILIZED. NO MORE THAN 15,000 SQUARE FEET OF DISTURBED AREA SHALL REACH FINAL GRADE BEFORE INITIATING STABILIZATION.

CONSTRUCTION SEQUENCE

1. MOBIIZE EQUIPMENT, CONSTRUCTION TRAILER, MATERIAL STORAGE BINS, ETC. ONSITE.
2. LAYOUT THE LIMITS OF THE SITE, ESTABLISH BENCHMARKS, AND REFERENCE POINTS.
3. INSTALL THE TIRE WASH ENTRANCES AND CONCRETE WASHOUT FACILITY AT THE LOCATIONS SHOWN ON THE PLAN AND IN ACCORDANCE WITH THE PROVIDED DETAILS. INSTALLATION OF ADDITIONAL ENTRANCE LOCATIONS MAY BE NECESSARY; HOWEVER, ADDITIONAL ENTRANCES MUST BE APPROVED BY THE CONSERVATION DISTRICT BEFORE INSTALLATION.
4. PERFORM INITIAL DEMOLITION FOR INSTALLATION OF PERIMETER BMPS. LIMIT DEMOLITION TO AREAS NECESSARY TO CONSTRUCT/INSTALL BMPS.
5. INSTALL COMPOST FILTER SOCKS AT THE LOCATIONS AS SHOWN ON THE PLAN AND IN ACCORDANCE WITH THE STANDARDS DETAILS. COMPOST FILTER SOCKS SHALL BE SIZED TO THE SPECIFICATIONS SHOWN ON THE E&S PLAN DRAWINGS.
6. PERFORM SITE DEMOLITION ACTIVITIES.
7. BEGIN BULK WORK EXCAVATION OF THE SITE. COMPOST FILTER SOCK SHALL TEMPORARILY BE REMOVED, AS NECESSARY, DURING DRY CONDITIONS, AND IMMEDIATELY REPLACED TO ACHIEVE FINAL SUBGRADE ELEVATION AROUND THE PERIMETER OF THE SITE.

HALT ALL ACTIVITIES AND CONTACT CEC PRIOR TO THE BEGINNING OF THE NEXT STEP IN THE CONSTRUCTION SEQUENCE. THE CONSTRUCTION OF UNDERGROUND DETENTION SYSTEM 3A AND 3B CONSISTS OF CRITICAL STAGES THAT A LICENSED PROFESSIONAL OR DESIGNEE MUST BE ONSITE FOR INSPECTION. LICENSED PROFESSIONALS MUST BE LICENSED IN THE COMMONWEALTH OF PENNSYLVANIA.

8. UPON ACHIEVING FINAL SUB-GRADE ELEVATION, BEGIN UNDERGROUND DETENTION SYSTEM 3A AND 3B EXCAVATION/CONSTRUCTION IN ACCORDANCE WITH THE APPROVED DETAILS. ENSURE THAT ALL STORMWATER RUNOFF IS DIRECTED DOWNSTREAM SUCH THAT PONDING OR FLOODING DOES NOT OCCUR.

CRITICAL STAGE

INSTALLATION OF UNDERGROUND DETENTION SYSTEM 3A AND 3B IS A CRITICAL STAGE THAT A LICENSED PROFESSIONAL OR DESIGNEE MUST BE ON SITE TO CONSTRUCT. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF 3 BUSINESS DAYS NOTICE PRIOR TO THE INSTALLATION OF UNDERGROUND DETENTION SYSTEM. THE LICENSED PROFESSIONAL OR THEIR DESIGNATED REPRESENTATIVE MUST BE PRESENT DURING SUBGRADE PREPARATION, STONE PLACEMENT, AND UNDERDRAIN INSTALLATION.

A. STORMTRAP SHALL BE INSTALLED IN ACCORDANCE WITH ASTM C891 (STANDARD PRACTICE FOR INSTALLATION OF UNDERGROUND PRECAST CONCRETE UTILITY STRUCTURES). THE FOLLOWING ADDITIONS AND/OR EXCEPTIONS ARE FOLLOWING ASTM C891 IN ITS ENTIRETY AND IMPLEMENTING APPROPRIATE MEASURES. THE INSTALLING CONTRACTOR OWNS AND IS RESPONSIBLE FOR THE STORMTRAP SYSTEM UPON REMOVAL OF THE MODULES FROM THE DELIVERY TRUCK THROUGH FINAL CONSTRUCTION. FINAL CONSTRUCTION IS ACHIEVED WHEN ALL OF THE MODULES ARE SET FULLY BACKFILLED, AND WHEN FINAL GRADES ARE REACHED, THE CONTRACTOR IS RESPONSIBLE FOR ANY COUNTERMEASURES NECESSARY TO RESIST UPLIFT/BUOYANCY BEFORE FINAL CONSTRUCTION IS ACHIEVED.

B. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT PROPER/ADEQUATE EQUIPMENT IS USED TO SET/INSTALL THE MODULES.

C. STORMTRAP MODULES SHALL BE PLACED ON A LEVEL CONCRETE FOUNDATION WITH A 1'-0" OVERHANG ON ALL SIDES THAT SHALL BE POURED IN PLACE BY INSTALLING CONTRACTOR. THE GEOTECHNICAL ENGINEER OF RECORD TO ENSURE THAT THE SOIL BEARING PRESSURE MEETS OR EXCEEDS THE STRUCTURAL DESIGN LOADING CRITERIA.

D. THE STORMTRAP MODULES SHALL BE PLACED SUCH THAT THE MAXIMUM SPACE BETWEEN ADVANCEMENT MODULES DOES NOT EXCEED 3/4" IF THE SPACE EXCEEDS 3/4", THE MODULES SHALL BE RESET WITH APPROPRIATE ADJUSTMENT MADE TO LINE AND GRADE TO BRING THE SPACE TO SPECIFICATION.

E. THE PERIMETER HORIZONTAL JOINT BETWEEN THE STORMTRAP MODULES AND THE CONCRETE FOUNDATION SHALL BE SEALED TO THE FOUNDATION WITH PRE-FORMED MASTIC JOINT SEALER ACCORDING TO ASTM C891, 8.8, AND 8.12. THE MASTIC JOINT TAPE DOES NOT PROVIDE A WATERTIGHT SEAL.

F. ALL EXTERIOR ROOF AND EXTERNAL VERTICAL WALL JOINTS BETWEEN ADJACENT STORMTRAP MODULES SHALL BE SEALED WITH 8-IN WIDE PRE-FORMED, COLD APPLIED, SELF ADHERING ELASTOMERIC RESIN, BONDED TO A WOVEN SEALANT AS APPROVED BY STORMTRAP. THE JOINT WRAP DOES NOT PROVIDE A WATERTIGHT SEAL. THE PURPOSE OF THE JOINT WRAP IS PROVIDE SILT AND SOIL TIGHT SYSTEM.

G. IF THE STORMTRAP MODULE IS DAMAGED IN ANY WAY PRIOR, DURING, OR AFTER INSTALL, STORMTRAP MUST BE CONTACTED IMMEDIATELY TO ASSESS THE DAMAGE AND DETERMINE WHETHER OR NOT THE MODULES WILL NEED TO BE REPLACED. IF ANY MODULE ARRIVES AT THE JOBSITE DAMAGED DO NOT UNLOAD IT. CONTACT STORMTRAP IMMEDIATELY. ANY DAMAGE NOT REPORTED BEFORE THE TRUCK IS UNLOADED WILL BE THE CONTRACTOR'S RESPONSIBILITY.

H. STORMTRAP MODULES CANNOT BE ALTERED IN ANY WAY AFTER MANUFACTURING WITHOUT WRITTEN CONSENT FROM STORMTRAP AND THE ENGINEER OF RECORD.

BMP MAINTENANCE EROSION NOTES

IN ORDER TO ENSURE EFFECTIVE AND EFFICIENT OPERATION OF BMPS, ALL TEMPORARY RUNOFF E&S CONTROLS SHALL BE INSPECTED AT LEAST AT THE BEGINNING AND END OF EACH DAY AND AFTER EACH STORMWATER EVENT. ANY DAMAGED CONTROLS SHALL BE REPAIRED OR REPLACED WITHIN 24 HOURS OF IDENTIFICATION OF THE DEFICIENCY. THE CONTRACTOR IS RESPONSIBLE FOR ALL MAINTENANCE AND INSPECTIONS, AND SHALL MAINTAIN RECORDS OF ALL SUCH ACTIVITIES. A WRITTEN REPORT DOCUMENTING COMPLETION OF BMP INSPECTION, MAINTENANCE, AND REPAIR ACTIVITIES SHALL BE LOGGED WITH PA DEP FORM 3800-FM-BCM02710 AND KEPT ONSITE AT ALL TIMES. INSPECTIONS MUST BE PERFORMED BY A QUALIFIED VISUAL SITE INSPECTOR OR SOMEONE WHO IS EITHER A CERTIFIED PROFESSIONAL EROSION AND SEDIMENT CONTROL (CPESC) OR CERIFIED EROSION, SEDIMENT, AND STORM WATER INSPECTOR (CESSWI).

E&S CONTROLS SHALL BE REPAIRED IN ACCORDANCE WITH THE PROVIDED DETAILS AND AS FOLLOWS:

1. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF DETERIORATION.
2. THE CONSTRUCTION EXITS SHALL BE REPAIRED TO THEIR ORIGINAL CONDITION TO PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY.
3. THE TEMPORARY PARKING AND STORAGE AREAS SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AREA AS CONDITIONS DEMAND.
4. PRIOR TO LEAVING THE SITE, ALL VEHICLES SHALL BE CLEANED OF DEBRIS. ANY DEBRIS AND/OR SEDIMENT REACHING THE PUBLIC STREET SHALL BE CLEANED IMMEDIATELY BY A METHOD OTHER THAN FLUSHING.
5. ALL SEDIMENT REMOVED FROM EROSION CONTROL DEVICES LOCATED AROUND THE SITE SHALL BE DISPOSED OF AT A PADEP APPROVED FACILITY.

INDIVIDUAL BMP CONSTRUCTION SEQUENCE

1. SEE STEPS 1-7 IN THE EROSION AND SEDIMENTATION CONTROL CONSTRUCTION SEQUENCE FOR PRIOR CONSTRUCTION STEPS.
2. CONTACT CEC PRIOR TO BEGINNING CONSTRUCTION OF THE UNDERGROUND DETENTION SYSTEMS. A LICENSED PROFESSIONAL IN THE COMMONWEALTH OF PENNSYLVANIA MUST BE PRESENT ONSITE TO OBSERVE THE CRITICAL STAGES OF CONSTRUCTION FOR THE UNDERGROUND DETENTION SYSTEMS.
3. EXCAVATE TO THE DIMENSIONS AND ELEVATIONS REQUIRED FOR THE UNDERGROUND DETENTION SYSTEMS. SMOOTH IRREGULARITIES IN THE EXCAVATION AND CLEAR ANY LARGE ROCKS OR DEBRIS FROM THE BOTTOM OF THE BED. MEASURES SHOULD BE TAKEN TO PREVENT WATER AND SEDIMENT FROM ENTERING THE EXCAVATED AREA.
4. INSTALL OUTLET STRUCTURE AND ASSOCIATED STORMWATER CONVEYANCE PIPES AND CATCH BASINS. ANY DAMAGES TO EXISTING PAVEMENT, DRAINAGE STRUCTURES, AND CONVEYANCE PIPES INVOLVED WITH INSTALLING THE OUTLET STRUCTURE SHALL BE REPLACED IN KIND.
5. INSTALL UNDERDRAIN AS SHOWN ON THE PLANS AN IN ACCORDANCE WITH THE STANDARD DETAIL. PLACE SUBSURFACE DRAINAGE GEOTEXTILE ON THE BOTTOM AND SIDES OF THE EXCAVATED AREA SUCH THAT NATIVE SOILS DO NOT MIGRATE INTO THE STONE BEDDING.

CONSTRUCTION/PROJECT WASTE RECYCLING/DISPOSAL

CONSTRUCTION WASTES ARE REFUSE MATERIALS THAT ARE EXISTING ON-SITE OR GENERATED DURING THE COURSE OF CONSTRUCTION AND INCLUDE, BUT ARE NOT LIMITED TO, PAPER, PLASTIC, RUBBER, CONCRETE WASTE WASH, GRASS CLIPPINGS, LEAF LITTER, WOOD, TEXTILE, AND METAL PRODUCTS. REFER TO THE SOIL MANAGEMENT PLAN FOR DETAILS ON HOW TO HANDLE SOILS.

INSTALLATION: THE CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING WASTE RECYCLING/DISPOSAL AREAS ON THE E&S PLAN ONCE THEY HAVE BEEN DETERMINED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL WASTE RECYCLING/DISPOSAL PERMITS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES.

MAINTENANCE: ALL CONSTRUCTION WASTE SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED/RECYCLED OF AT A STATE-APPROVED WASTE SITE AND/OR STATE APPROVED LANDFILL AND IN ACCORDANCE WITH ALL LOCAL/STATE CODES, PERMIT REQUIREMENTS, AND REGULATIONS. THE BURNING OF WASTE MATERIALS WILL NOT BE PERMITTED.

NOTIFICATION REQUIREMENTS

1. A PRE-CONSTRUCTION MEETING WITH THE MERCER COUNTY CONSERVATION DISTRICT AND PADEP IS REQUIRED PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES. A MINIMUM OF 7 DAYS' NOTICE SHALL BE PROVIDED TO THE CCD/DEP PRIOR TO THE SCHEDULED PRE-CONSTRUCTION MEETING. IF THE CCD/DEP IS UNABLE TO ATTEND THE SCHEDULED PRE-CONSTRUCTION MEETING, THEN THE PERMITTEE MUST STILL HOLD THE MEETING WITHOUT THE CCD/DEP.
2. UPON THE INSTALLATION OF PERIMETER SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPS) AND AT LEAST THREE (3) DAYS PRIOR TO PROCEEDING WITH BULK EARTHWORK ACTIVITIES, THE PERMITTEE SHALL PROVIDE NOTIFICATION TO THE CCD/DEP BY PHONE OR ELECTRONIC MAIL.
3. THE CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER A MINIMUM OF THREE (3) DAYS IN ADVANCE OF INSTALLING PROPOSED STORMWATER CONTROL MEASURES (SCMS). INSTALLATION OF CRITICAL STAGES OF SCM CONSTRUCTION MUST BE OVERSEEN BY A LICENSED PROFESSIONAL. THE LICENSED PROFESSIONAL MUST COMPLETE DEP'S SCM CONSTRUCTION CERTIFICATION FORM. THE PERMITTEE MUST SUBMIT THE COMPLETED FORM TO THE CCD/DEP WITHIN 30 DAYS OF COMPLETION OF THE SCM CONSTRUCTION.
4. THE PERMITTEE MUST NOTIFY THE CCD/DEP OF ANY PLANNED CHANGE TO EARTH DISTURBANCE ACTIVITIES, BMPS, SCMS, OR ANY OTHER CHANGE THAT MAY AFFECT NPDES PERMIT COVERAGE PRIOR TO IMPLEMENTING THE CHANGE. THE CCD/DEP WILL NOTIFY THE PERMITTEE WHETHER SUBMISSION OF AN NOI TO AMEND PERMIT COVERAGE IS REQUIRED. THE PERMITTEE MAY NOT PROCEED TO IMPLEMENT THE PROPOSED CHANGE UNTIL THE PERMITTEE RECEIVES WRITTEN APPROVAL FOR THE AMENDMENT FROM THE CCD/DEP.
5. THE PERMITTEE MUST PROVIDE IMMEDIATE NOTIFICATION TO DEP FOR ANY INCIDENT CAUSING OR THREATENING POLLUTION (NO LATER THAN FOUR (4) HOURS AFTER BECOMING AWARE OF THE INCIDENT). IN ADDITION, ANY NON-COMPLIANCE WITH THE THAT MAY ENDANGER HEALTH OR THE ENVIRONMENT MUST BE REPORTED WITHIN 24 HOURS, AND A WRITTEN REPORT MUST BE PROVIDED WITHIN FIVE (5) DAYS.

EROSION & SEDIMENT CONTROL NOTES

APRIL 2025
DATE: APRIL 2025
DRAWN BY: BJJ
CHECKED BY: 383-024
PROJECT NO: 383-024
APPROVED BY: RIM

ENGINEERING SURVEYING AND LANDSCAPE ARCHITECTURE IN THE STATE OF NORTH CAROLINA WILL BE PROVIDED BY CEC SURVEYING AND LANDSCAPE ARCHITECTS OF N.C., P.L.L.C. SERVICES IN PLANNED P&ID WILL BE PROVIDED BY CEC LANDSCAPE ARCHITECTS OF N.C., P.L.L.C. SERVICES IN PLANNED P&ID WILL BE PROVIDED BY CEC LANDSCAPE ARCHITECTS, L.L.C.

9/18/2026

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CITY OF SHARON
MERCER COUNTY, PA

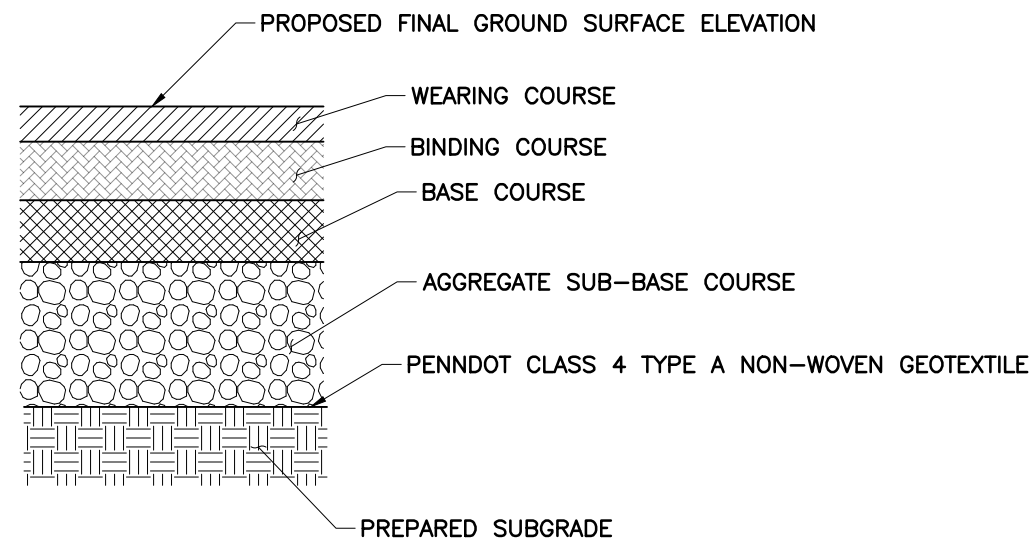
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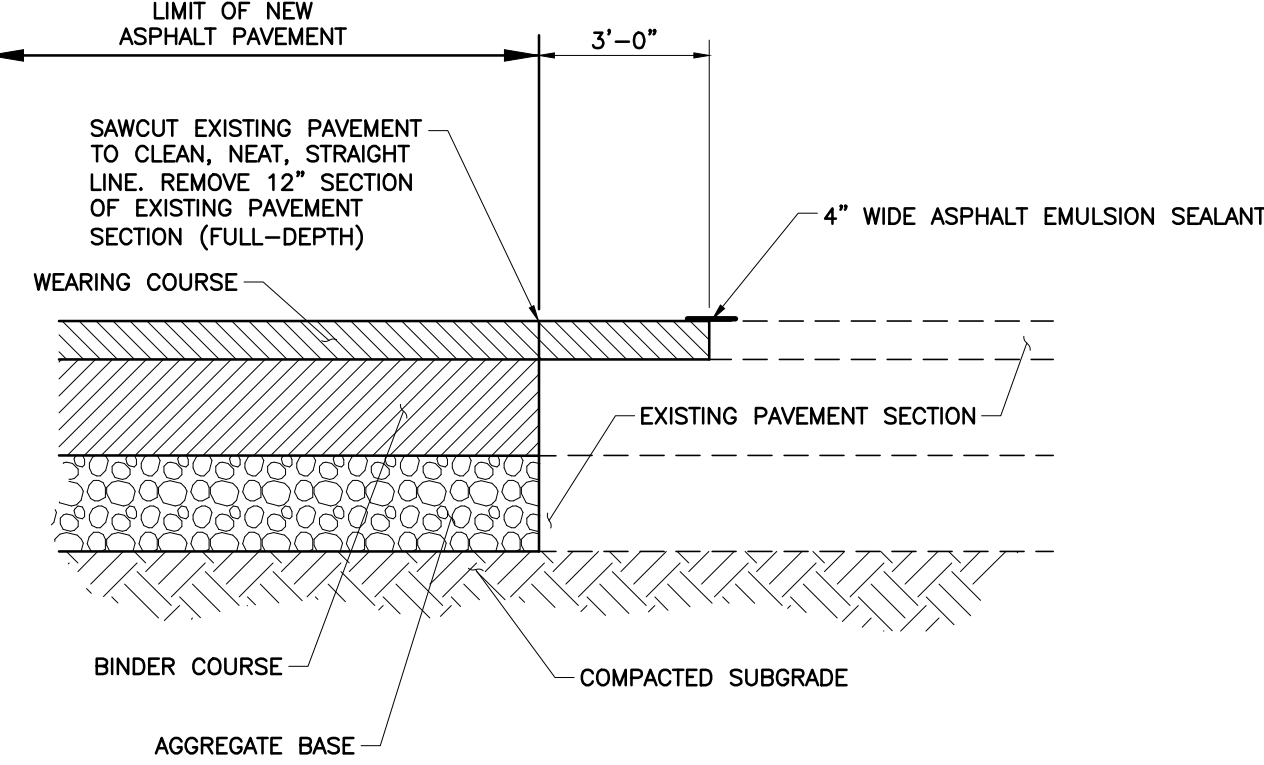


ITEM	LIGHT DUTY PAVEMENT SECTION	ITEM	HEAVY DUTY PAVEMENT SECTION
PG 64-22 (9.5mm SUPERPAVE MIX WEARING COURSE)	1.5"	PG 64-22 (9.5mm SUPERPAVE MIX WEARING COURSE)	2"
PG 64-22 (19mm SUPERPAVE MIX BINDER COURSE)	2"	PG 64-22 (19mm SUPERPAVE MIX BINDER COURSE)	3"
PG 64-22 (25mm SUPERPAVE MIX BASE COURSE)	6"	PG 64-22 (25mm SUPERPAVE MIX BASE COURSE)	8"
PENNDOT TYPE 2A AGGREGATE SUB-BASE COURSE	6"	PENNDOT TYPE 2A AGGREGATE SUB-BASE COURSE	6"

NOTES:

- PRIOR TO PLACEMENT OF PADOT CLASS 4 GEOTEXTILE, THE PAVEMENT SUBGRADE SHALL BE PREPARED AS FOLLOWS:
 - PAVEMENT SUBGRADE SHALL BE PROOFROLLED USING A FULLY-LOADED DUMP TRUCK PRIOR TO PAVEMENT CONSTRUCTION. ANY SOFT AREAS SHALL BE OVEREXCAVATED TO A FIRM AND COMPETENT MATERIAL AND BACKFILLED AS DESCRIBED IN 1B.
 - ALL APPROVED FILL SHALL BE PLACED IN MAXIMUM 8" THICK, LOOSE LIFTS AND COMPACTED TO 95% OF ITS MAXIMUM DRY DENSITY AND WITHIN $\pm 3\%$ OF ITS OPTIMUM MOISTURE CONTENT. THE FILL MATERIAL'S MAXIMUM DRY DENSITY AND OPTIMUM MOISTURE CONTENT SHALL BE DETERMINED BY ASTM D1557 (MODIFIED PROCTOR).
 - AFTER COMPACTION, THE PAVEMENT SUBGRADE SHALL PROVIDE A FIRM UNYIELDING FOUNDATION WITH NO SUDDEN, SHARP OR ABRUPT CHANGES OR BREAKS IN GRADES. NO STANDING WATER OR EXCESS MOISTURE SHALL BE PRESENT. ALL SOFT AND YIELDING AREAS SHALL BE REWORKED BY OVEREXCAVATING TO A FIRM AND COMPETENT MATERIAL, AND BACKFILLED AS DESCRIBED IN 1B.
 - THE SUBGRADE SHALL BE GRADED AND SHAPED AS REQUIRED TO CONSTRUCT THE AGGREGATE BASE COURSE IN CONFORMANCE WITH THE GRADES, LINES AND THICKNESSES SHOWN ON THE DRAWINGS.
- THE ASPHALT COURSES SHALL BE TAPERED INTO THE STORM SEWER INLETS WHILE MAINTAINING FULL PAVEMENT SECTION DEPTH.

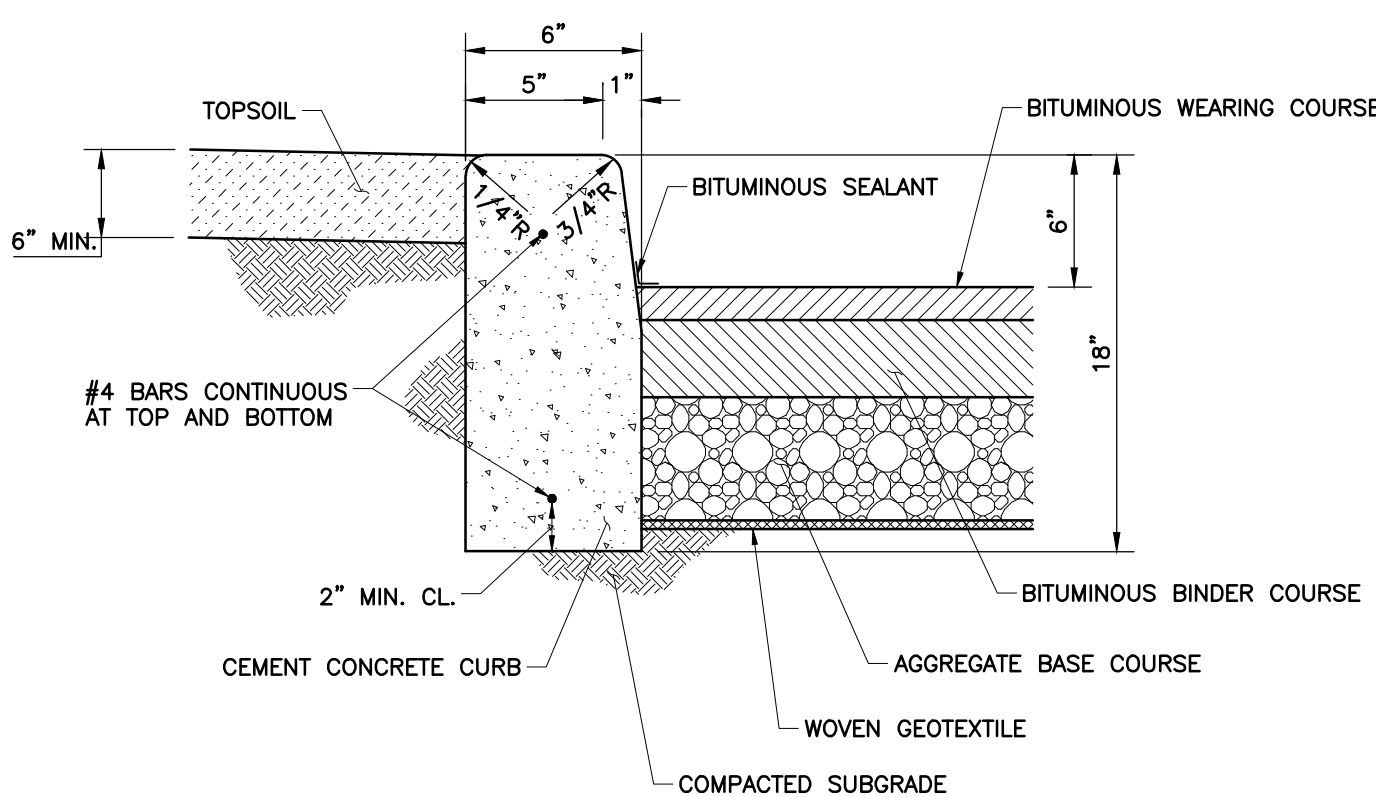
DETAIL 21
PAVEMENT SECTION W/ GEOTEXTILE
N.T.S.



NOTE:

- PROVIDE TACK COAT ALONG SAWCUT TO BIND EXISTING PAVEMENT TO NEW PAVEMENT. FOR AREAS WITH PATCHING AND OVERLAY, PROVIDE TACK COAT TO BIND EXISTING PAVEMENT WITH NEW ASPHALT.
- THIS DETAIL APPLIES TO ALL AREAS WHERE PROPOSED PAVEMENT IS INSTALLED ABUTTING EXISTING PAVEMENT, OR AS NOTED ON PLANS.

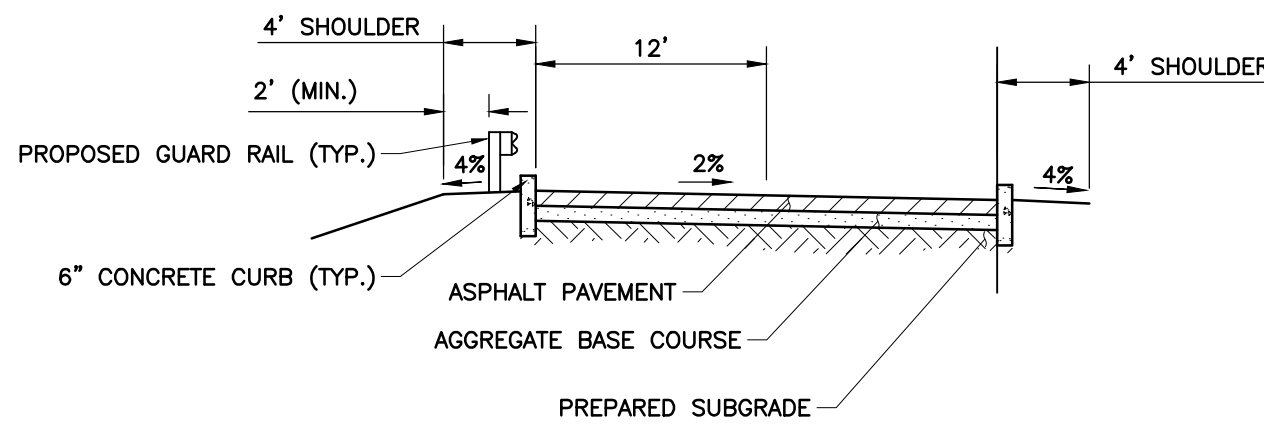
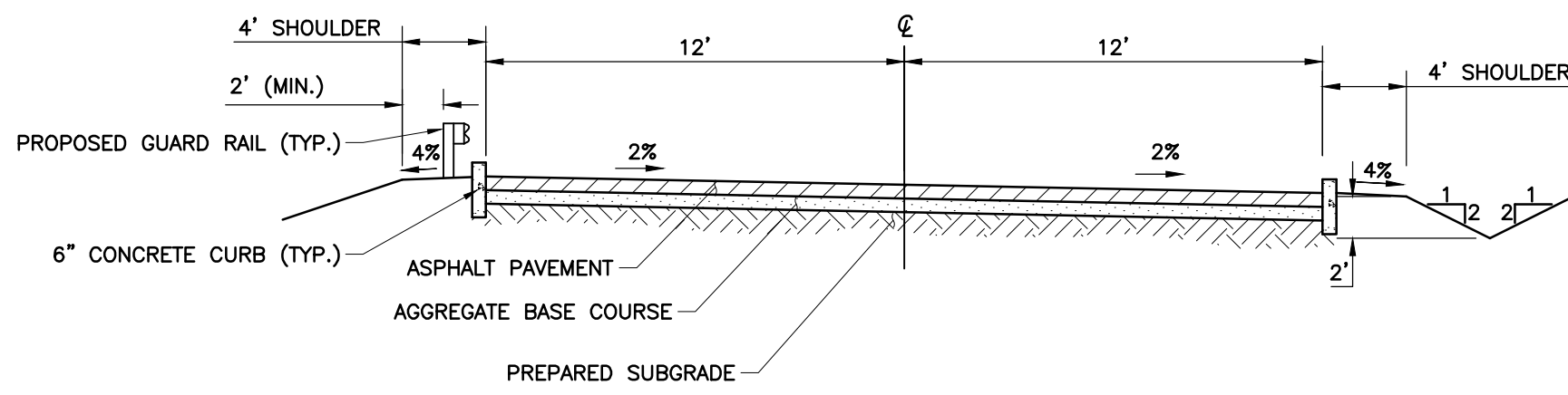
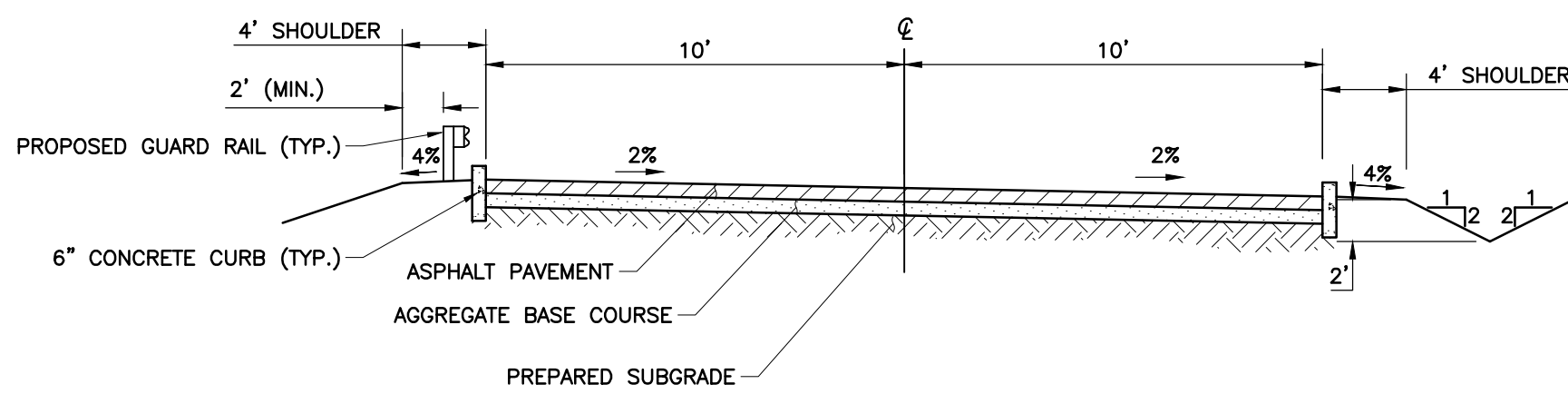
DETAIL 25
SAWCUT AND PAVEMENT JOINT
N.T.S.



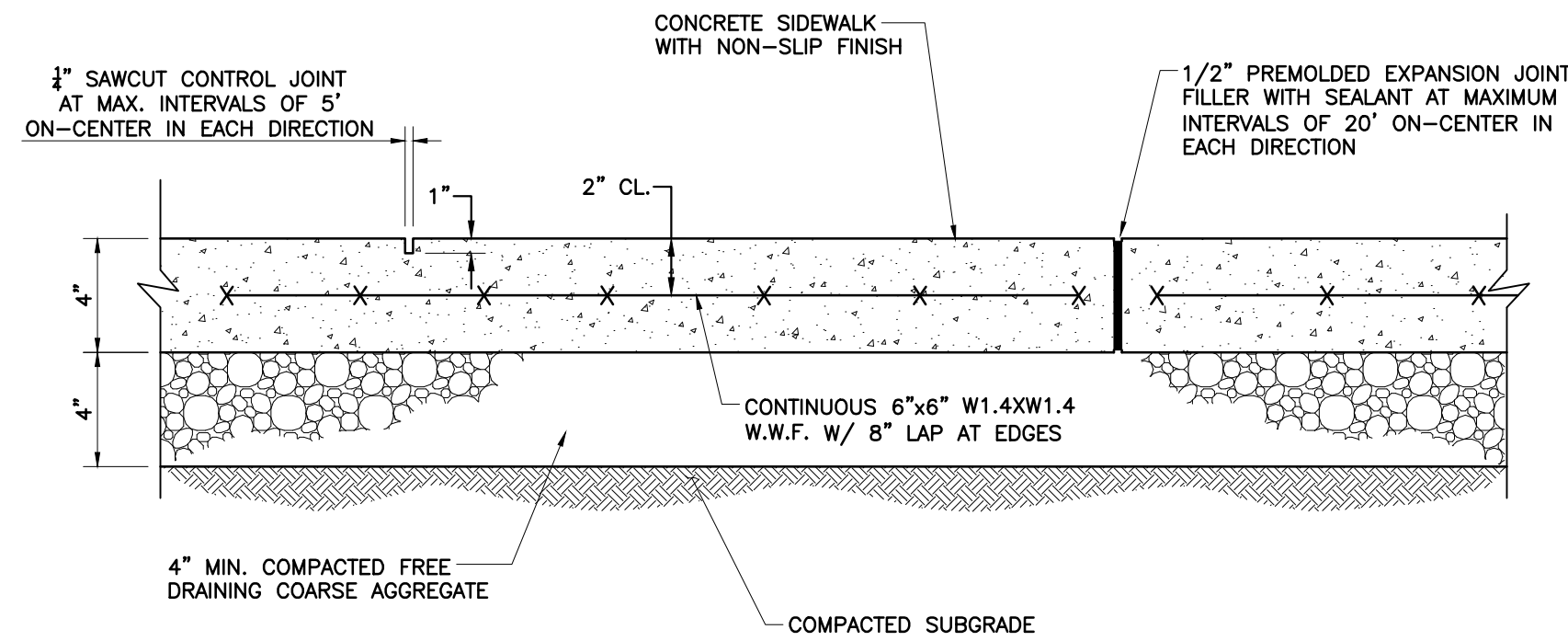
NOTES:

- CONCRETE SHALL BE CLASS "A" 4,000 PSI UNLESS OTHERWISE NOTED.
- EXPANSION JOINTS TO BE PLACED AT 30'-0" O.C. AND AT ALL STRUCTURES AND DRIVEWAYS.
- CONTROL JOINTS TO BE PLACED AT 15'-0" O.C.
- MATCH JOINTS IN CONCRETE CURBS WITH PROPOSED PAVEMENT JOINTS.

DETAIL 26
CONCRETE CURB
N.T.S.



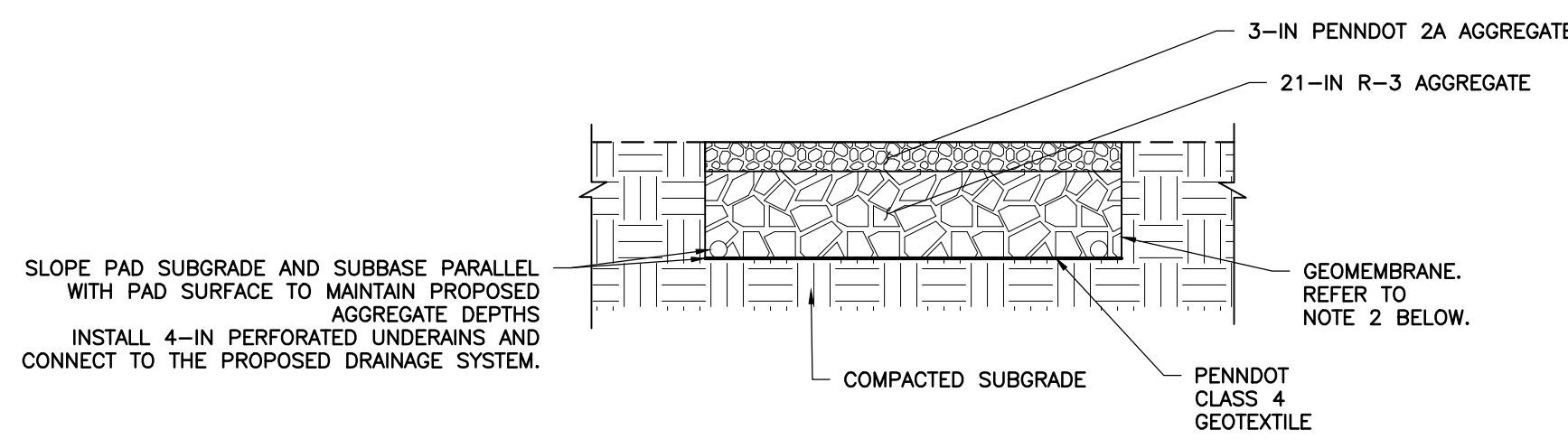
DETAIL 22
ROADWAY SECTION
N.T.S.



NOTES:

- PROVIDE AN 8" WIDE HAUNCH CARRIED TO FROST DEPTH, AND 1/2" EXPANSION JOINT FILLER WITH SEALANT WHERE THE CONCRETE SIDEWALK ABUTS THE BUILDING.
- PROVIDE MEDIUM BROOM FINISH.
- CONCRETE SHALL BE CLASS "A" 4,000 PSI UNLESS OTHERWISE NOTED.

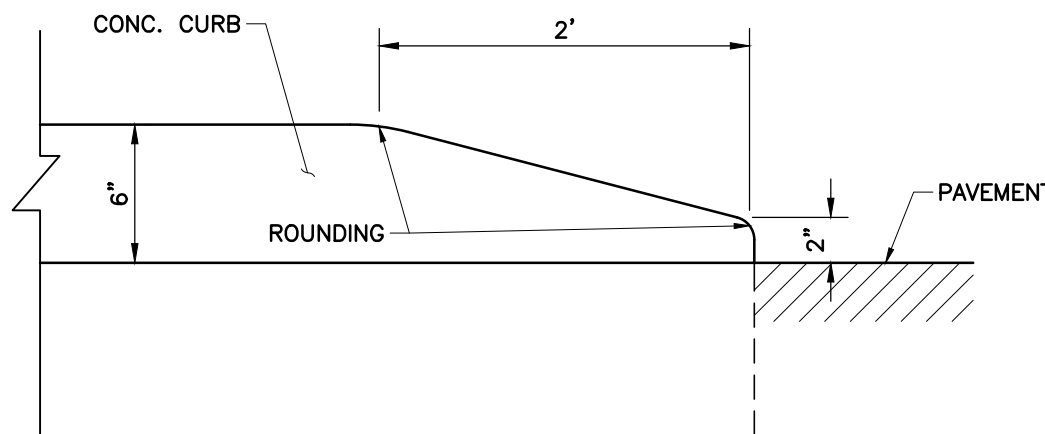
DETAIL 23
CONCRETE SIDEWALK
N.T.S.



NOTE:

- FURNISH AND INSTALL MATERIALS IN ACCORDANCE WITH PENNDOT PUB 408, LATEST EDITION.
- GRAVEL AREAS LOCATED WITHIN, BENEATH, OR IMMEDIATELY ADJACENT TO IDENTIFIED OR SUSPECTED CONTAMINATION ZONES SHALL BE LINED WITH SEAMAN CORPORATION XR-5® GEOMEMBRANE OR APPROVED EQUAL. GRAVEL AREAS LOCATED OUTSIDE IDENTIFIED CONTAMINATION ZONES MAY BE LINED WITH SEAMAN CORPORATION XR-3® GEOMEMBRANE OR APPROVED EQUAL, SUBJECT TO CONTRACTOR VERIFICATION OF SITE CONDITIONS AND MANUFACTURER'S CONFIRMATION OF CHEMICAL COMPATIBILITY. CONTRACTOR REMAINS RESPONSIBLE FOR LINER SELECTION, INSTALLATION, AND PERFORMANCE BASED ON MANUFACTURER'S SPECIFICATIONS.

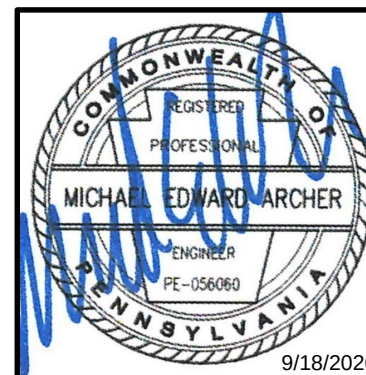
DETAIL 24
GRAVEL AREA
N.T.S.



NOTES:

- CONCRETE SHALL BE CLASS "A" 4,000 PSI UNLESS OTHERWISE NOTED.
- EXPANSION JOINTS TO BE PLACED AT 30'-0" O.C. AND AT ALL STRUCTURES AND DRIVEWAYS.
- CONTROL JOINTS TO BE PLACED AT 15'-0" O.C.
- MATCH JOINTS IN CONCRETE CURBS WITH PROPOSED PAVEMENT JOINTS.

DETAIL 27
NOSE DOWN CURB
NOT TO SCALE



CONSTRUCTION DETAILS

DATE:	APRIL 2026	DRAWN BY:	VMF
DWG SCALE:	N.A.	CHECKED BY:	BJH
PROJECT NO:	353-024	APPROVED BY:	RLM

DRAWING NO:
C800

MERCER NODE PROPERTY, LLC
MERCER NODE DEVELOPMENT
200-201 CLARK STREET
CITY OF SHARON
MERCER COUNTY, PA

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Consultants, Inc.

700 Cherrington Parkway
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REVISION RECORD

NO.	DATE	DESCRIPTION
1	04/01/2026	RESPONSE TO ACOMPLETENESS LETTER DATED 04/01/2026
2	04/14/2026	RESPONSE TO TECHNICAL DEFICIENCY LETTER DATED 07/14/2026
3	04/14/2026	RESPONSE TO TECHNICAL DEFICIENCY LETTER DATED 04/14/2026

ENGINEERING, SURVEYING AND LANDSCAPE ARCHITECTURE IN THE STATE OF NORTH CAROLINA WILL BE PROVIDED BY CEC SURVEYING AND LANDSCAPE ARCHITECTS OF N.C., P.L.L.C. SERVICES IN PUERTO RICO WILL BE PROVIDED BY CEC SURVEYING AND LANDSCAPE ARCHITECTS OF P.R., P.L.L.C. ARCHITECTURE SERVICES IN THE STATE OF OHIO WILL BE PROVIDED BY CEC LANDSCAPE ARCHITECTS, L.L.C.