

NOTE:

1. THESE PLANS AS SUBMITTED ARE INTENDED TO COMPLY WITH ALL REGULATIONS, STANDARDS, AND ORDINANCES OF THE SOUTH FAYETTE TOWNSHIP. ANY DEVIATION FROM THOSE REGULATIONS, STANDARDS AND ORDINANCES IS UNINTENTIONAL AND AS SUCH, IN THE EVENT THAT A CONFLICT IS DISCOVERED, IT IS UNDERSTOOD AND AGREED THAT THE SOUTH FAYETTE TOWNSHIP'S REGULATIONS, STANDARDS AND ORDINANCES WILL APPLY.

LAFAYETTE 180 - VARIANCES GRANTED:

SIGNATURE OF PROJECT ENGINEER

ON JULY 26, 2023 A VARIANCE HAS BEEN GRANTED BY THE SOUTH FAYETTE TOWNSHIP ZONING HEARING BOARD TO SECTION 240-51(A)(1) TO ALLOW THE LOT AREA OF 4.4 ACRES DEPARTURE FROM THE REQUIRED 5.0 ACRES FOR A PLANNED SHOPPING CENTER.

ON JULY 26, 2023 A VARIANCE HAS BEEN GRANTED BY THE SOUTH FAYETTE TOWNSHIP ZONING HEARING BOARD TO SECTION 240-111(J2) REDUCING THE SETBACK ON MILLERS RUN ROAD SIDE PARKING SETBACK FROM 20-FEET TO 1-FOOT.

ON JULY 26, 2023 A VARIANCE HAS BEEN GRANTED BY THE SOUTH FAYETTE TOWNSHIP ZONING HEARING BOARD TO SECTION 240-111(J2) REDUCING THE FRONT YARD PARKING SETBACK FROM 20-FEET TO 8-FEET, AS IT RELATED TO NEWBURY DRIVE.

ON JULY 26, 2023 A VARIANCE HAS BEEN GRANTED BY THE SOUTH FAYETTE TOWNSHIP ZONING HEARING BOARD TO SECTION 240-51(C) TO ALLOW EXCEEDANCE OF MAXIMUM IMPERVIOUS SURFACE AREA FROM THE REQUIRED TO PERCENT TO 84 PERCENT.

LAFAYETTE 180

NEWBURY DRIVE
CUDDY, PA 15031

PREPARED FOR:

CE - SF, LP
295 MYOMA ROAD
MARS, PA 16046

I CERTIFY THAT, TO THE BEST OF MY INFORMATION, KNOWLEDGE AND BELIEF THE SURVEY AND PLAN SHOWN HEREON ARE CORRECT AND ACCURATE TO THE STANDARDS REQUIRED.

DATE _____ NAME _____ REGISTRATION NO. _____

_____, A REGISTERED PROFESSIONAL ENGINEER FOR THE TOWNSHIP OF SOUTH FAYETTE DO HEREBY CERTIFY THAT THIS SUBDIVISION PLAN MEETS ALL THE ENGINEERING REQUIREMENTS OF THE TOWNSHIP SUBDIVISION AND ZONING ORDINANCE, EXCEPT AS DEPARTURES HAVE BEEN AUTHORIZED BY THE APPROVAL AUTHORITY.

DATE _____ NAME _____ REGISTRATION NO. _____

REVIEWED BY THE TOWNSHIP OF SOUTH FAYETTE PLANNING COMMISSION, THIS _____ DAY OF _____, 2023.

SECRETARY _____ (SEAL) CHAIRPERSON _____

THE BOARD OF COMMISSIONERS OF THE TOWNSHIP OF SOUTH FAYETTE HEREBY GIVES PUBLIC NOTICE IN APPROVING THIS PLAN FOR RECORDING PURPOSES ONLY, THE TOWNSHIP OF SOUTH FAYETTE ASSUMES NO OBLIGATIONS, LEGAL OR OTHERWISE, EXPRESSED OR IMPLIED EITHER TO ACCEPT SAID STREETS AS TOWNSHIP STREETS OR ROADS OR GRADES, PAVE AND CURB THE STREETS IN SAID PLAN OR TO CONSTRUCT SEWERS THEREIN OR TO INSTALL ANY OTHER SUCH SERVICE ORDINARILY INSTALLED IN TOWNSHIP STREETS OR ROADS.

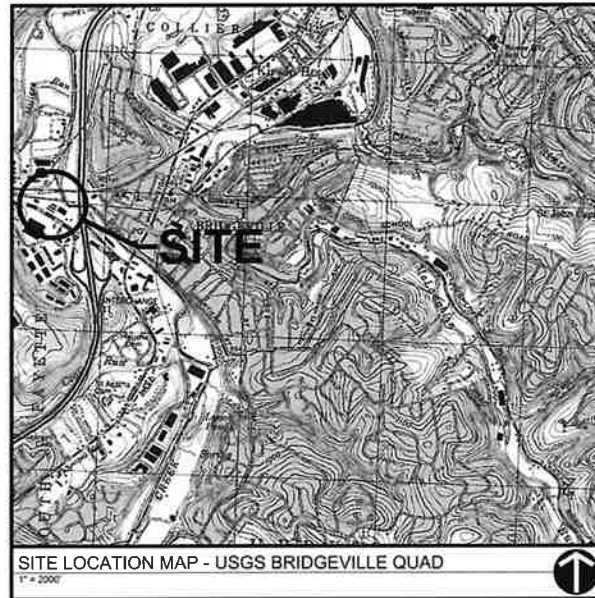
THE TOWNSHIP OF SOUTH FAYETTE AGREES NOT TO ISSUE BUILDING PERMITS UNTIL THE "PLANNING MODULE FOR LAND DEVELOPMENT" HAS BEEN APPROVED IN ACCORDANCE WITH THE REGULATIONS OF THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION.

APPROVED BY THE BOARD OF COMMISSIONERS OF THE TOWNSHIP OF SOUTH FAYETTE THIS _____ DAY OF _____, 2023.

ATTEST:

SECRETARY _____ (SEAL) PRESIDENT OF THE BOARD OF COMMISSIONERS _____

LIST OF UTILITIES	
PEOPLES GAS COMPANY LLC 338 E CUMMINGHAM STREET BUTLER, PA 16001 CONTACT: MICHAEL DENNY 724-431-1498 michael.denny@peoples-gas.com	
VERIZON PENNSYLVANIA LLC 1026 HAY STREET PITTSBURGH, PA 15221 CONTACT: DEBORAH BARUM 412-344-4390 deborah.d.delia@verizon.com	
COLUMBIA GAS OF PA INC 1600 DUBLIN ROAD COLUMBUS, OH 43215 CONTACT: LISA COLLINS 614-325-5586 ldugan@nsource.com	
SOUTH FAYETTE TWP MUNICIPAL AUTHORITY 900 PRESTO SYGAN ROAD BRIDGEVILLE, PA 15017 CONTACT: NICK GOETTMAN 412-257-7510 EXT. 5 ngoettman@sftwp.com	
FIRSTENERGY CORPORATION 21 S MAIN STREET AKRON, OH 44308 CONTACT: MELLYSSA ADAMS 330-604-4407 madams@firstenergycorp.com	
COMCAST 1241 BUSINESS RT 66 GREENSBURG, PA 15601 CONTACT: LLYOD CRAGO 878-295-5899 llyod_crago@cable.comcast.com	
SOUTH FAYETTE TOWNSHIP 515 MILLERS RUN ROAD MORGAN, PA 15064 CONTACT: PEGGY PATTERSON 412-221-187 EXT. 210 PPATTERSON@SFTWP.COM	
PENNSYLVANIA AMERICAN WATER 500 NOBLESTOWN ROAD CARNEGIE, PA 15106 CONTACT: LUCIAN CAPPETTA 412-401-1187 lucian.cappetta@amwater.com	



SITE LOCATION MAP - USGS BRIDGEVILLE QUAD
1" = 200'

ZONING REQUIREMENTS		
SITE ZONING: C-2 HIGHWAY COMMERCIAL		
USE:		
TOWNSHIP STANDARD	REQUIRED	PROVIDED
USE	PLANNED SHOPPING CENTER	PLANNED SHOPPING CENTER
BUILDING HEIGHT	NO MORE THAN 60 FT	
LOT AREA	5 Acres	4.4 Acres (Variance Granted)
SETBACKS		
FRONT YARD	50 Ft	58 Ft
REAR YARD	50 Ft	52 Ft
SIDE YARD	20 Ft	53 Ft
PARKING		
PLANNED SHOPPING CENTER TOTAL AREA: 54,420 S.F.		
TOTAL	1 SPACE PER 200 S.F. (272)	273
ADA ACCESSIBLE	7	7
LAND COVERAGES		
OPEN SPACE	20%	16%
IMPERVIOUS	80%	84% (Variance Requested)
PERMIT REQUIREMENTS		
REVIEWING AGENCY		
N.P.D.E.S PERMIT	ALLEGHENY COUNTY CONSERVATION DISTRICT	
PLANNING FACILITIES PLANNING MODULE	PA DEPT. OF ENVIRONMENTAL PROTECTION	
HIGHWAY OCCUPANCY PERMIT (HOP)	PA DEPT. OF TRANSPORTATION	
STORMWATER MANAGEMENT MAINTENANCE PROGRAM		
THE OWNERS SHALL BE RESPONSIBLE FOR INSPECTING THE STORMWATER DETENTION FACILITIES ON A SEMI-ANNUAL BASIS (JANUARY 2 AND JULY 2 OF EACH YEAR), PLUS AFTER EACH SIGNIFICANT RAINFALL. ANY DEBRIS WHICH MIGHT IMPEDE FLOW AT OR THROUGH THE OUTLET STRUCTURE SHALL BE REMOVED. ANY SEDIMENT WHICH ACCUMULATES WITHIN THE FACILITIES SHALL BE REMOVED.		

SHEET INDEX	
NO.	TITLE
C000	COVER SHEET
C050	EXISTING CONDITIONS AND DEMOLITION PLAN
C100	SITE PLAN
C101	FIRE TRUCK TEMPLATE
C200	GRADING PLAN
C300	LUTILITY PLAN
C400	EROSION AND SEDIMENTATION CONTROL PLAN
C401	EROSION AND SEDIMENTATION CONTROL DETAILS
C402	EROSION AND SEDIMENTATION CONTROL DETAILS
C403	EROSION AND SEDIMENTATION CONTROL DETAILS
C404	EROSION AND SEDIMENTATION CONTROL DETAILS
C500	STORM PROFILES
C501	SANITARY PROFILES
C600	CONSTRUCTION DETAILS
C601	CONSTRUCTION DETAILS
C602	CONSTRUCTION DETAILS
C603	CONSTRUCTION DETAILS
C700	POST CONSTRUCTION STORMWATER MANAGEMENT PLAN
C701	POST CONSTRUCTION STORMWATER MANAGEMENT NOTES
C702	POST CONSTRUCTION STORMWATER MANAGEMENT DETAILS
C703	POST CONSTRUCTION STORMWATER MANAGEMENT DETAILS
C704	POST CONSTRUCTION STORMWATER MANAGEMENT DETAILS
L100	LANDSCAPE PLAN
L101	LANDSCAPE PLAN DETAIL
L200	LIGHTING PLAN
L201	LIGHTING DETAIL

I, JOSEPH M. CALBRAITH, P.E. DO HEREBY CERTIFY PURSUANT TO THE PENALTIES OF 18 P.A.C.S.A. SEC. 4904 TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, THAT THE INFORMATION CONTAINED IN THE ACCOMPANYING PLANS, SPECIFICATIONS AND REPORTS HAS BEEN PREPARED IN ACCORDANCE WITH ACCEPTED ENGINEERING PRACTICE, IS TRUE AND CORRECT, AND IS IN CONFORMANCE WITH CHAPTER 105 OF THE RULES AND REGULATIONS OF THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



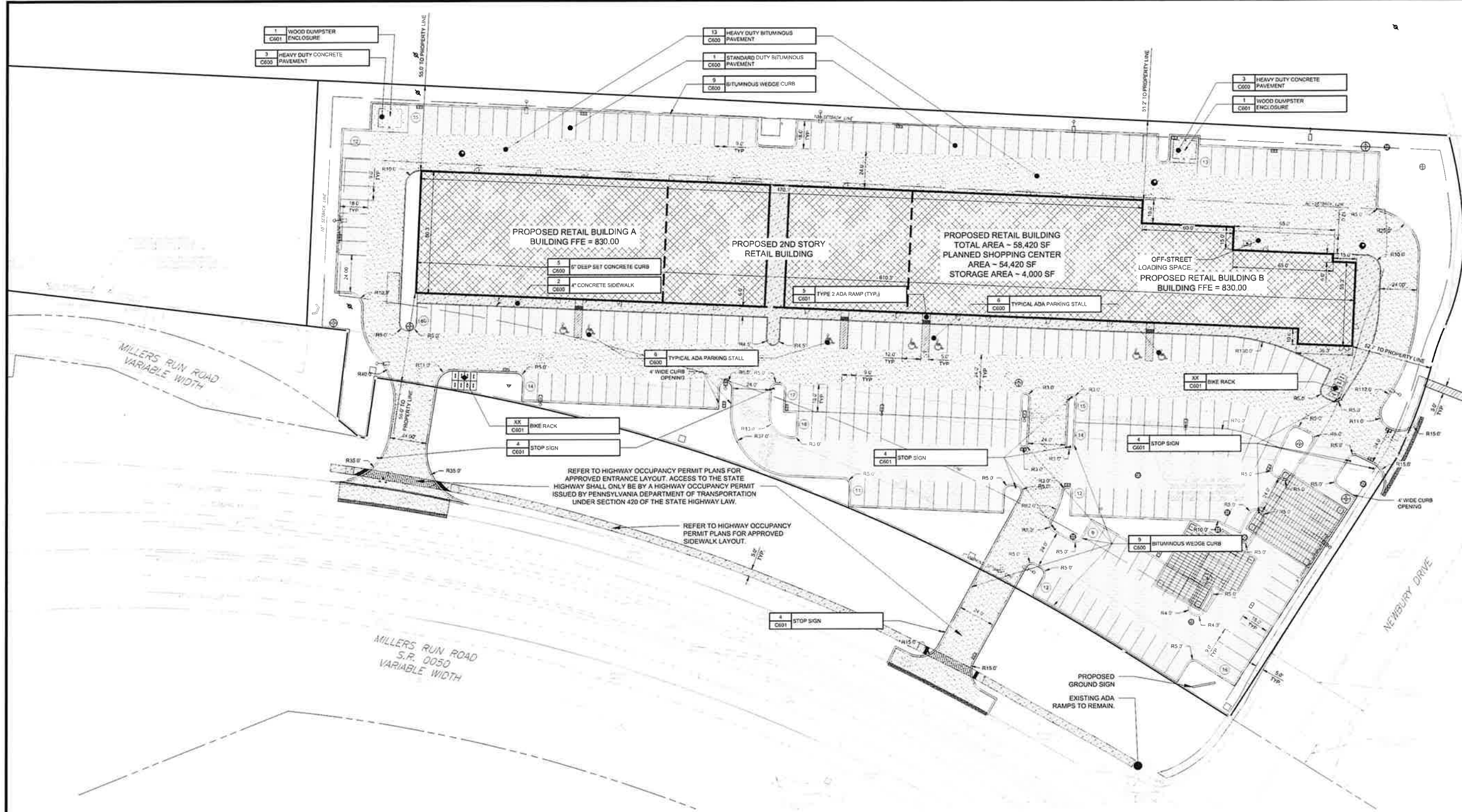
Know what's below.
Call before you dig.
Serial No. 20231760058



Date	No.	Revision
2025-11-11	01	WPP Update
2025-12-16	02	ACCD TECHNICAL INFOS RESPONSE
2026-01-14	03	TOWNSHIP SUBMISSION
	04	
	05	
	06	
	07	
	08	

LAFAYETTE 180
NEWBURY DRIVE
CUDDY, PA 15031
PREPARED FOR:
CE - SF, LP
295 MYOMA ROAD
MARS, PA 16046

COVER SHEET
Project Number: C-12199-0029
Drawing Scale: N/A
Date Issued: AUG 2025
Index Number: -
Drawn By: MCL/RRR
Checked By: JMG
Project Manager: JMG
C000



1 WOOD DUMPSTER ENCLOSURE
C601

3 HEAVY DUTY CONCRETE PAVEMENT
C600

13 HEAVY DUTY BITUMINOUS PAVEMENT
C600

1 STANDARD DUTY BITUMINOUS PAVEMENT
C600

9 BITUMINOUS WEDGE CURB
C600

3 HEAVY DUTY CONCRETE PAVEMENT
C600

1 WOOD DUMPSTER ENCLOSURE
C601

5 6" DEEP SET CONCRETE CURB
C600

2 4" CONCRETE SIDEWALK
C600

5 TYPE 2 ADA RAMP (TYP.)
C601

8 TYPICAL ADA PARKING STALL
C600

XX BIKE RACK
C601

4 STOP SIGN
C601

REFER TO HIGHWAY OCCUPANCY PERMIT PLANS FOR APPROVED ENTRANCE LAYOUT. ACCESS TO THE HIGHWAY SHALL ONLY BE BY A HIGHWAY OCCUPANCY PERMIT ISSUED BY PENNSYLVANIA DEPARTMENT OF TRANSPORTATION UNDER SECTION 420 OF THE STATE HIGHWAY LAW.

REFER TO HIGHWAY OCCUPANCY PERMIT PLANS FOR APPROVED SIDEWALK LAYOUT.

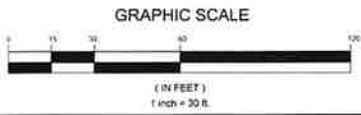
4 STOP SIGN
C601

PROPOSED GROUND SIGN
EXISTING ADA RAMP TO REMAIN.

SITE LEGEND

○	5	PROPOSED STORM MANHOLE
○	CTM	PROPOSED 48" SANITARY MANHOLE
+	2	PROPOSED CLEANOUT
⊞	1	PROPOSED TYPE 'M' INLET
⊞	3	PROPOSED HYDRANT
*	XX	PROPOSED LIGHT STANDARD
♿	10	PROPOSED ADA SYMBOL
⊞	7	PROPOSED CONCRETE WHEEL STOP
●	2	PROPOSED BOLLARD
—	2	PROPOSED DEPRESSED CURB

▨	2	PROPOSED CONCRETE SIDEWALK
▨	3	PROPOSED HEAVY DUTY CONCRETE PAVEMENT
▨	1	PROPOSED STANDARD DUTY BITUMINOUS PAVEMENT
▨	13	PROPOSED HEAVY DUTY BITUMINOUS PAVEMENT
XX	XX	PROPOSED PAVEMENT PATCH
⊞		PROPOSED UTILITY POLE
○		PROPOSED PARKING COUNT
⊞		PROPOSED SIGN



REVISION RECORD

No.	Date	Description
01	2025-11-11	WPP Updates
02	2025-12-16	ACCD TECHNICAL RESPONSE
03	2026-01-14	TOWNSHIP SUBMISSION
04		
05		
06		
07		
08		

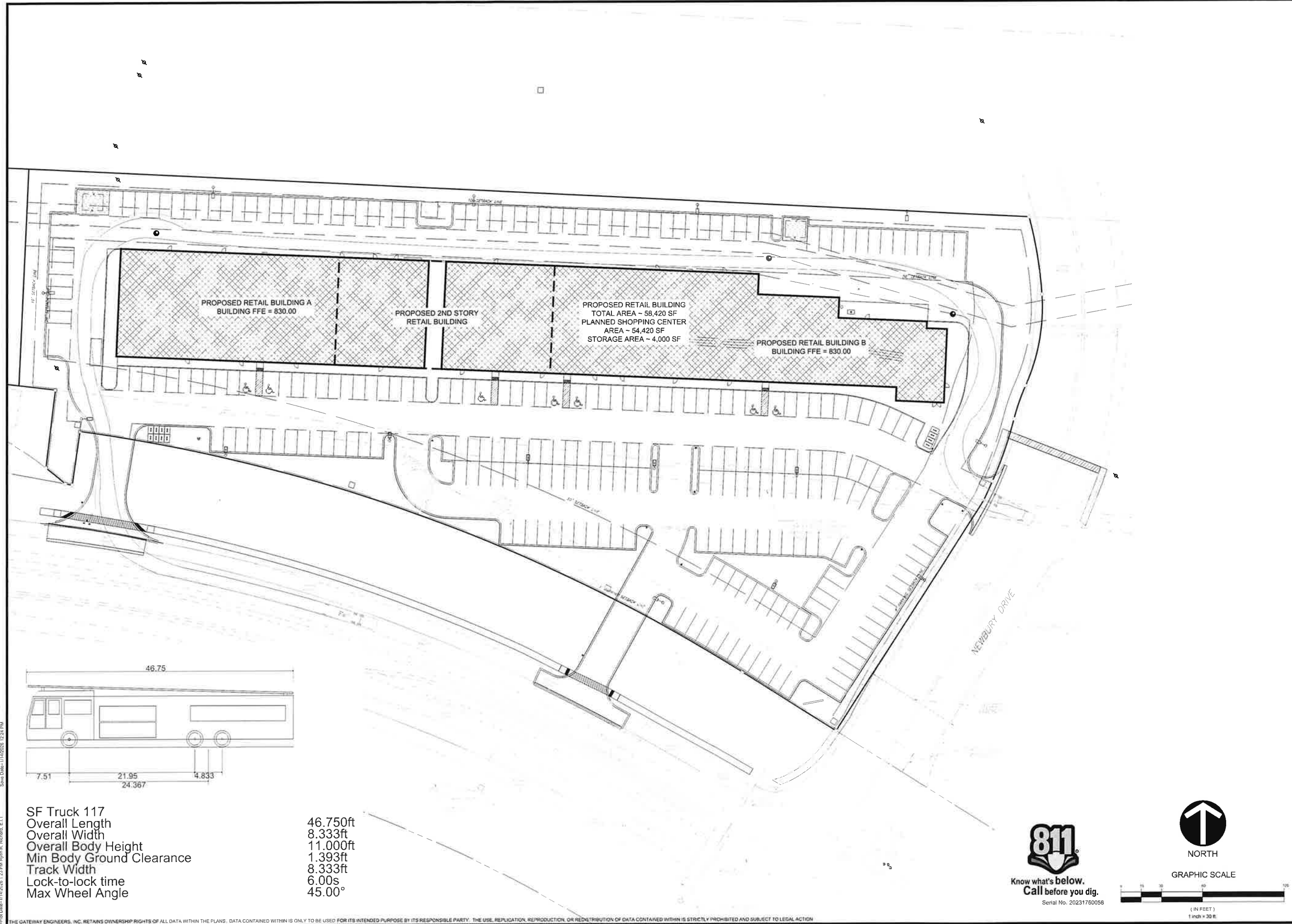
LAFAYETTE 180
NEWBURY DRIVE
CLUDDY, PA 15031
PREPARED FOR:
CE - SF, LP
295 MYOMA ROAD
MARRS, PA 16046

SITE PLAN

Project Number: C-12199-0028
Drawing Scale: 1/2"=30'
Date Issued: AUG 2025
Index Number: -
Drawn By: MCL/RRR
Checked By: JMG
Project Manager: JMG

C100

Plot & File Name: C:\Projects\12000\12199\KOB\12199-0028\Drawings\SitePlan.dwg
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Plotter: HP DesignJet T1200
Scale: 1/2"=30'
User: JMG

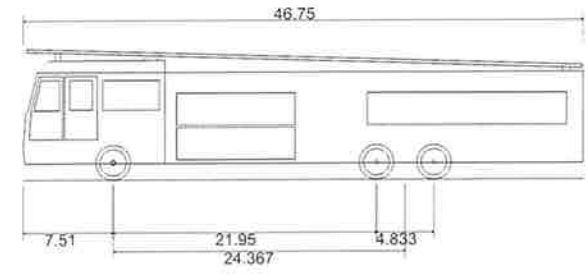


PROPOSED RETAIL BUILDING A
BUILDING FFE = 830.00

PROPOSED 2ND STORY
RETAIL BUILDING

PROPOSED RETAIL BUILDING
TOTAL AREA ~ 58,420 SF
PLANNED SHOPPING CENTER
AREA ~ 54,420 SF
STORAGE AREA ~ 4,000 SF

PROPOSED RETAIL BUILDING B
BUILDING FFE = 830.00



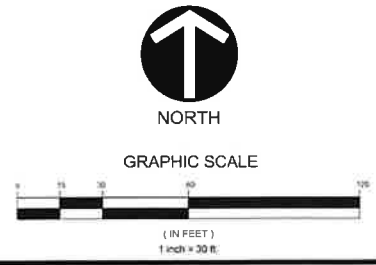
SF Truck 117
Overall Length 46.750ft
Overall Width 8.333ft
Overall Body Height 11.000ft
Min Body Ground Clearance 1.393ft
Track Width 8.333ft
Lock-to-lock time 6.00s
Max Wheel Angle 45.00°

REVISION RECORD

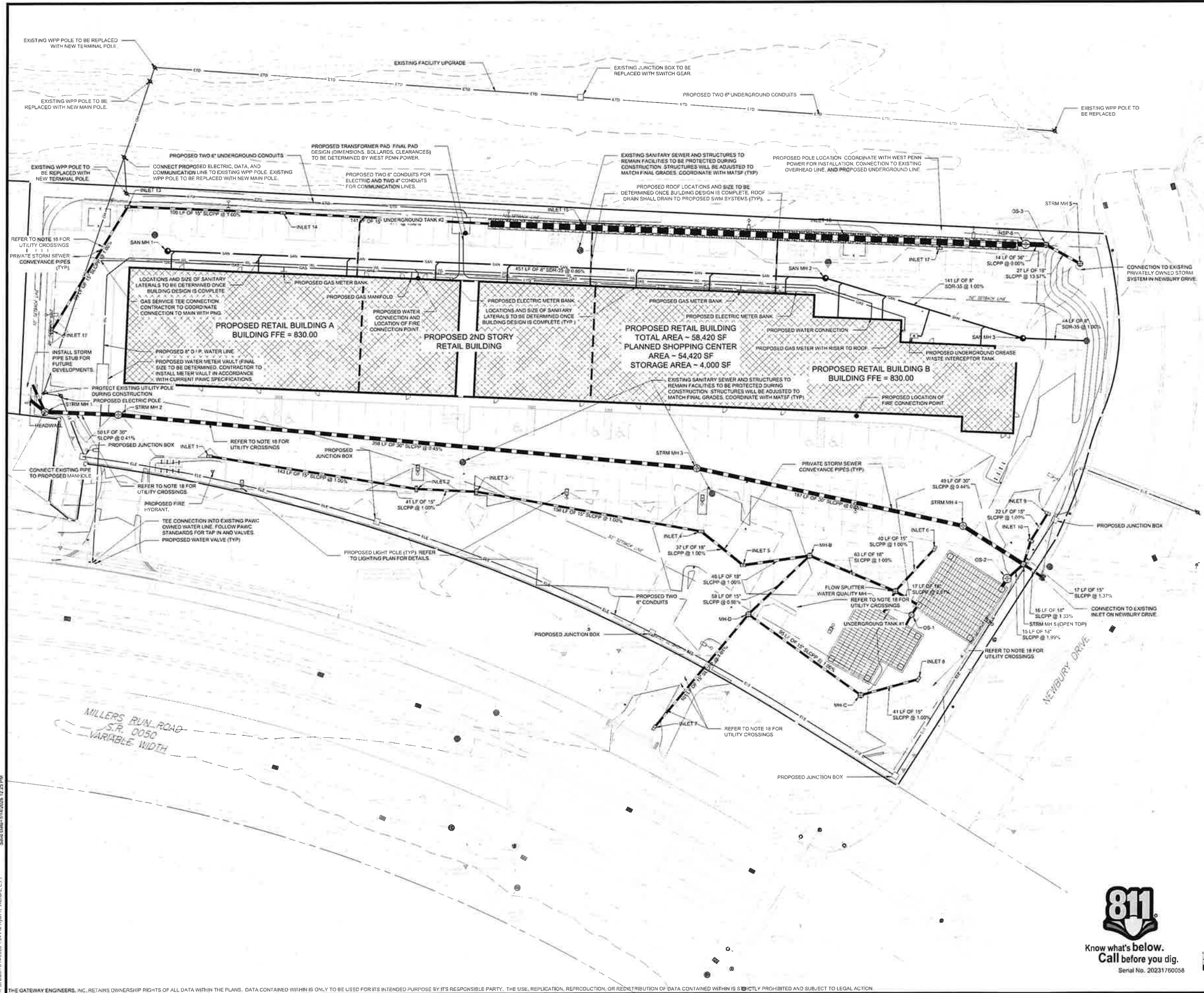
Date	No.	Description
2025-11-11	01	WPP Update
2025-12-16	02	ACCO TECHNICAL RESPONSE
2026-01-14	03	TOWNSHIP SUBMISSION
	04	
	05	
	06	
	07	
	08	

LAFAYETTE 180
NEWBURY DRIVE
CUDDY, PA 15031
PREPARED FOR:
CE - SF, LP
295 MYOMA ROAD
MARKS, PA 16046

FIRE TRUCK
TEMPLATE
Project Number: C-12199-0025
Drawing Scale: 1"=30'
Date Issued: AUG 2025
Index Number: -
Drawn By: MCL/RRR
Checked By: JMG
Project Manager: JMG
C101



I:\Data & Reference\GIS\Projects\12199\12199-0025\12199-0025-CADD\Retail Development\DWG\SheetC100 - Site Plan.dwg
 2025-11-11 1:23 PM Ryan R. Richard, E.I.T.
 Save Date: 11/11/2025 1:23 PM



UTILITY LEGEND

— SAN —	PROPOSED SANITARY LINE
— SAN — SAN —	PROPOSED SANITARY LATERAL
— S — S —	PROPOSED STORM LINE
— WL —	PROPOSED WATER LINE
— W — W —	PROPOSED WATER LATERAL
— DAT —	PROPOSED DATA LINE
— EL —	PROPOSED ELECTRIC LINE
— ETD —	PROPOSED ELECTRIC, TELEPHONE, & DATA LINE
— TEL —	PROPOSED TELEPHONE LINE
— OHE —	PROPOSED OVERHEAD ELECTRIC
— OH —	PROPOSED OVERHEAD LINE
— GAS —	PROPOSED GAS LINE
— U —	PROPOSED UTILITY POLE
— FH —	PROPOSED FIRE HYDRANT
— GV —	PROPOSED GAS VALVE
— WV —	PROPOSED WATER VALVE
— T —	PROPOSED TEE

UTILITY ABBREVIATIONS

STM	STORM
SAN	SANITARY
MH	MANHOLE
OS	OUTLET STRUCTURE
CD	CLEANOUT
RD	RDDF DRAIN
HW	HEADWALL
EW	ENDWALL

- ### UTILITY PLAN NOTES:
- THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS, PROVISIONS AND POLICIES GOVERNING SAFETY AND HEALTH, INCLUDING THE FEDERAL CONSTRUCTION SAFETY ACT (PUBLIC LAW 91-594), FEDERAL REGISTER, CHAPTER 191, PART 191.16 REGULATIONS, OCCUPATIONAL SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION, AND SUBSEQUENT PUBLICATIONS UPDATING THESE REGULATIONS.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXAMINING THE AREAS AND CONDITIONS UNDER WHICH THE PROJECT IS TO BE CONSTRUCTED PRIOR TO THE SUBMISSION OF A BID. SUBMISSION OF A BID SHALL BE CONSTRUED TO MEAN THE CONTRACTOR HAS REVIEWED THE SITE AND IS FAMILIAR WITH CONDITIONS AND CONSTRAINTS OF THE SITE.
 - BEFORE EXCAVATION ALL UNDERGROUND UTILITIES SHALL BE LOCATED IN THE FIELD BY THE PROPER AUTHORITIES. THE CONTRACTOR SHALL CONTACT PENNSYLVANIA ONE CALL SYSTEMS INC. AT 8-1-1. THE LOCATION OF UTILITIES AND UNDERGROUND STRUCTURES ARE APPROXIMATE AND MAY NOT ALL BE SHOWN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTENCE AND EXACT LOCATION OF ALL UTILITIES AND UNDERGROUND STRUCTURES.
 - IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BID AND PERFORM ALL UTILITY WORK IN ACCORDANCE TO APPLICABLE LOCAL AND STATE CODES AND REGULATIONS.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR FEES ASSOCIATED WITH THE INSTALLATION, INSPECTING, TESTING AND FINAL ACCEPTANCE OF PROPOSED UTILITIES CONSTRUCTION.
 - UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THE SPECIFICATIONS OF THE RESPECTIVE UTILITY COMPANY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENGINE UTILITIES ARE INSTALLED CORRECTLY TO MEET PROJECT REQUIREMENTS WHETHER PERFORMED BY THE CONTRACTOR OR NOT.
 - ALL CABLE, ELECTRIC, GAS, STORM AND SANITARY SEWER TELEPHONE AND WATER SERVICE LINE, FRENCHES LOCATED UNDER PROPOSED PAVEMENT AREAS SHALL BE BACKFILLED WITH 100% STONE MATERIAL TO THE PROPOSED PAVING SECTION IN ACCORDANCE WITH THE DETAIL SHOWN ON THE CONSTRUCTION DETAIL SHEETS.
 - THERE SHALL BE NO CONSTRUCTION OF ELECTRIC TRANSFORMERS, TELEPHONE OR CABLE JUNCTION BOXES, GAS METERS OR BARLAK DEVICES PLACED OVER ANY OTHER UNDERGROUND UTILITY.
 - CONTRACTOR TO PROVIDE SHOP DRAWINGS ON ALL STORM SEWER MANHOLES AND INLETS.
 - AN AS-BUILT DRAWING OF NEW UTILITY SERVICES SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED TO THE OWNER UPON COMPLETION OF THE PROJECT.
 - ALL STORM PIPE SHALL BE HDPE, SMOOTH INTERIOR, CORRUGATED POLYETHYLENE PIPE UNLESS OTHERWISE NOTED. ALL STORM SEWER CONSTRUCTION MATERIALS AND METHODS SHALL BE IN ACCORDANCE WITH PENNDOT SPECIFICATIONS. ALL JOINTS SHALL BE WATER TIGHT.
 - THE CONTRACTOR SHALL ASSURE THAT THERE IS POSITIVE DRAINAGE TO THE EXISTING INLETS UPON PLACEMENT OF NEW PAVEMENT.
 - CONTRACTOR TO COORDINATE WITH THE BUILDING PLUMBING AND SITE ELECTRICAL PLANS TO ASSURE ACCURACY OF THE UTILITY CONNECTIONS TO THE BUILDING.
 - CONDUIT LOCATIONS TO SITE LIGHT POLES TO BE COORDINATED WITH THE SITE ELECTRICAL PLAN.
 - THE ALLEGHENY COUNTY HEALTH DEPARTMENT SHALL BE CONTACTED FOR INSPECTION OF ALL PRIVATE SANITARY SEWERS, WATER LINES, AND STORM SEWER LINES WHERE THEY COINCIDE TO A PUBLIC SEWER SYSTEM. ALL WATER AND SEWER LINES MUST BE INSTALLED BY A REGISTERED PLUMBER.
 - THE ROOF COLLECTOR SYSTEM SHALL BE TRAPPED PRIOR TO CONNECTING TO THE SITE STORM SEWER SYSTEM.
 - THE WATERLINE SHALL HAVE A MINIMUM OF 48" OF COVER AND BE AT LEAST 1 FOOT ABOVE THE SANITARY SEWER IF WITHIN 10 FEET OF THE HORIZONTAL DISTANCE OF THE SEWER.
 - CONTRACTOR MUST COORDINATE ALL UTILITY CONSTRUCTION WITH THE APPROPRIATE UTILITY COMPANIES. POTENTIAL EXISTING UTILITIES AT ALL PROPOSED CROSSINGS TO DETERMINE PROPER CLEARANCES. NOTIFY ENGINEER WITH ANY CONFLICTS.

GATEWAY ENGINEERS

A FULL-SERVICE CIVIL ENGINEERING FIRM

REVISION RECORD	
Date	Description
2025-11-11	01 WPP Updates
2025-12-16	02 ACCO TECHNICAL RESPONSE
2026-01-14	03 TOWNSHIP SUBMISSION
	04
	05
	06
	07
	08

LAFAYETTE 180	UTILITY PLAN
NEWBURY DRIVE	Project Number: C-12199-0025
CUDDY, PA 15031	Drawing Scale: 1" = 30'
PREPARED FOR: CE - SF, LP	Date Issued: JAN 2025
295 WYOMA ROAD	Index Number: —
MARS, PA 16646	Drawn By: MCL/RRR
	Checked By: JMG
	Project Manager: JMG

Know what's below.
Call before you dig.

Serial No. 20231760058

NORTH

GRAPHIC SCALE

1" = 30'

THE GATEWAY ENGINEERS, INC. RETAINS OWNERSHIP RIGHTS OF ALL DATA WITHIN THE PLANS. DATA CONTAINED WITHIN IS ONLY TO BE USED FOR ITS INTENDED PURPOSE BY ITS RESPONSIBLE PARTY. THE USE, REPLICATION, REPRODUCTION, OR REDISTRIBUTION OF DATA CONTAINED WITHIN IS STRICTLY PROHIBITED AND SUBJECT TO LEGAL ACTION.

C300

STANDARD EROSION AND SEDIMENT CONTROL PLAN NOTES

- ALL EARTH DISTURBANCES, INCLUDING CLEARING AND GRUBBING AS WELL AS CUTS AND FILLS SHALL BE DONE IN ACCORDANCE WITH THE APPROVED E&S PLAN. A COPY OF THE APPROVED DRAWINGS (STAMPED, SIGNED AND DATED BY THE REVIEWING AGENCY) MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES. THE REVIEWING AGENCY SHALL BE NOTIFIED OF ANY CHANGES TO THE APPROVED PLAN PRIOR TO IMPLEMENTATION OF THOSE CHANGES. THE REVIEWING AGENCY MAY REQUIRE A WRITTEN SUBMITTAL OF THOSE CHANGES FOR REVIEW AND APPROVAL AT ITS DISCRETION.
- AT LEAST 7 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, INCLUDING CLEARING AND GRUBBING, THE OWNER AND/OR OPERATOR SHALL INVITE ALL CONTRACTORS, THE LANDOWNER, APPROPRIATE MUNICIPAL OFFICIALS, THE E&S PLAN PREPARER, THE PCSM PLAN PREPARER, THE LICENSED PROFESSIONAL RESPONSIBLE FOR OVERSIGHT OF CRITICAL STAGES OF IMPLEMENTATION OF THE PCSM PLAN, AND A REPRESENTATIVE FROM THE LOCAL CONSERVATION DISTRICT TO AN ON-SITE PRE-CONSTRUCTION MEETING.
- AT LEAST 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.
- ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE SEQUENCE PROVIDED ON THE PLAN DRAWINGS. DEVIATION FROM THAT SEQUENCE MUST BE APPROVED IN WRITING FROM THE LOCAL CONSERVATION DISTRICT OR BY THE DEPARTMENT PRIOR TO IMPLEMENTATION.
- AREAS TO BE FILLED ARE TO BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS AND OTHER OBJECTIONABLE MATERIAL.
- CLEARING, GRUBBING, AND TOPSOIL STRIPPING SHALL BE LIMITED TO THOSE AREAS DESCRIBED IN EACH STAGE OF THE CONSTRUCTION SEQUENCE. GENERAL SITE CLEARING, GRUBBING AND TOPSOIL STRIPPING MAY NOT COMMENCE IN ANY STAGE OR PHASE OF THE PROJECT UNTIL THE E&S BMPs SPECIFIED BY THE BMP SEQUENCE FOR THAT STAGE OR PHASE HAVE BEEN INSTALLED AND ARE FUNCTIONING AS DESCRIBED IN THIS E&S PLAN.
- AT NO TIME SHALL CONSTRUCTION VEHICLES BE ALLOWED TO ENTER AREAS OUTSIDE THE LIMIT OF DISTURBANCE BOUNDARIES SHOWN ON THE PLAN MAPS. THESE AREAS MUST BE CLEARLY MARKED AND FENCED OFF BEFORE CLEARING AND GRUBBING OPERATIONS BEGIN.
- TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED AT THE LOCATION(S) SHOWN ON THE PLAN MAP(S) IN THE AMOUNT NECESSARY TO COMPLETE THE FINISH GRADING OF ALL EXPOSED AREAS THAT ARE TO BE STABILIZED BY VEGETATION. EACH STOCKPILE SHALL BE PROTECTED IN THE MANNER SHOWN ON THE PLAN DRAWINGS. STOCKPILE HEIGHTS SHALL NOT EXCEED 35 FEET. STOCKPILE SLOPES SHALL BE 2H:1V OR FLATTER.
- IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO MINIMIZE THE POTENTIAL FOR EROSION AND SEDIMENT POLLUTION AND NOTIFY THE LOCAL CONSERVATION DISTRICT AND/OR THE REGIONAL OFFICE OF THE DEPARTMENT.
- ALL BUILDING MATERIALS AND WASTES SHALL BE REMOVED FROM THE SITE AND RECYCLED OR DISPOSED OF IN ACCORDANCE WITH THE DEPARTMENT'S SOLID WASTE MANAGEMENT REGULATIONS AT 25 PA. CODE 260.1 ET SEQ., 271.1, AND 287.1 ET SEQ. NO BUILDING MATERIALS OR WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURNED, BURIED, DUMPED, OR DISCHARGED AT THE SITE.
- ALL OFF-SITE WASTE AND BORROW AREAS MUST HAVE AN E&S PLAN APPROVED BY THE LOCAL CONSERVATION DISTRICT OR THE DEPARTMENT FULLY IMPLEMENTED PRIOR TO BEING ACTIVATED.
- THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ANY MATERIAL BROUGHT ON SITE IS CLEAN FILL. FORM FP-001 MUST BE RETAINED BY THE PROPERTY OWNER FOR ANY FILL MATERIAL AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE BUT QUALIFYING AS CLEAN FILL DUE TO ANALYTICAL TESTING.
- ALL PUMPING OF WATER FROM ANY WORK AREA SHALL BE DONE ACCORDING TO THE PROCEDURE DESCRIBED IN THIS PLAN, OVER UNDISTURBED VEGETATED AREAS.
- VEHICLES AND EQUIPMENT MAY NEITHER ENTER DIRECTLY NOR EXIT DIRECTLY FROM THE PROJECT SITE ONTO PUBLIC ROADS.
- UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMPs SHALL BE MAINTAINED PROPERLY. MAINTENANCE SHALL INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT BMPs AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, RE-GRADING, RE-SEEDING, RE-MULCHING AND RE-NETTING MUST BE PERFORMED IMMEDIATELY. IF THE E&S BMPs FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMPs, OR MODIFICATIONS OF THOSE INSTALLED MUST BE REQUIRED.
- A LOG SHOWING DATES THAT E&S BMPs WERE INSPECTED AS WELL AS ANY DEFICIENCIES FOUND AND THE DATE THEY WERE CORRECTED SHALL BE MAINTAINED ON THE SITE AND BE MADE AVAILABLE TO REGULATORY AGENCY OFFICIALS AT THE TIME OF INSPECTION.
- SEDIMENT TRACKED ONTO ANY PUBLIC ROADWAY OR SIDEWALK SHALL BE RETURNED TO THE CONSTRUCTION SITE BY THE END OF EACH WORK DAY AND DISPOSED IN THE MANNER DESCRIBED IN THIS PLAN. IN NO CASE SHALL THE SEDIMENT BE WASHED, SHOVELED, OR SWEEPED INTO ANY ROADSIDE DITCH, STORM SEWER, OR SURFACE WATER.
- ALL SEDIMENT REMOVED FROM BMPs SHALL BE DISPOSED OF IN THE MANNER DESCRIBED ON THE PLAN DRAWINGS.
- AREAS WHICH ARE TO BE TOPSOILED SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 3 TO 5 INCHES - 6 TO 12 INCHES ON COMPACTED SOILS - PRIOR TO PLACEMENT OF TOPSOIL. AREAS TO BE VEGETATED SHALL HAVE A MINIMUM 4 INCHES OF TOPSOIL IN PLACE PRIOR TO SEEDING AND MULCHING. FILL OUTSLOPES SHALL HAVE A MINIMUM OF 2 INCHES OF TOPSOIL.
- ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS. FILL INTENDED TO SUPPORT BUILDINGS, STRUCTURES AND CONDUITS, ETC. SHALL BE COMPACTED IN ACCORDANCE WITH LOCAL REQUIREMENTS OR CODES. REFER TO GEOTECHNICAL REPORT AND CROSS SECTIONS.
- ALL EARTHEN FILLS SHALL BE PLACED IN COMPACTED LAYERS NOT TO EXCEED 9 INCHES IN THICKNESS.
- FILL MATERIALS SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOD, OR OTHER FOREIGN OR OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS.
- FROZEN MATERIALS OR SOFT, MUCKY, OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED INTO FILLS.
- FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.
- SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE WITH THE STANDARD AND SPECIFICATION FOR SUBSURFACE DRAIN OR OTHER APPROVED METHOD.
- ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY UPON REACHING FINISHED GRADE. CUT SLOPES IN COMPETENT BEDROCK AND ROCK FILLS NEED NOT BE VEGETATED. SEEDED AREAS WITHIN 50 FEET OF A SURFACE WATER, OR AS OTHERWISE SHOWN ON THE PLAN DRAWINGS, SHALL BE BLANKETED ACCORDING TO THE STANDARDS OF THIS PLAN.
- IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE IN ANY AREA OR SUB-AREA OF THE PROJECT, THE OPERATOR SHALL STABILIZE ALL DISTURBED AREAS. DURING NON-GERMINATING MONTHS, MULCH OR PROTECTIVE BLANKETING SHALL BE APPLIED AS DESCRIBED IN THE PLAN. AREAS NOT AT FINISHED GRADE, WHICH WILL BE REACTIVATED WITHIN 1 YEAR, MAY BE STABILIZED IN ACCORDANCE WITH THE TEMPORARY STABILIZATION SPECIFICATIONS. THOSE AREAS WHICH WILL NOT BE REACTIVATED WITHIN 1 YEAR SHALL BE STABILIZED IN ACCORDANCE WITH THE PERMANENT STABILIZATION SPECIFICATIONS.
- PERMANENT STABILIZATION IS DEFINED AS A MINIMUM UNIFORM, PERENNIAL 70% VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED EROSION. CUT AND FILL SLOPES SHALL BE CAPABLE OF RESISTING FAILURE DUE TO SLUMPING, SLIDING, OR OTHER MOVEMENTS.
- E&S BMPs SHALL REMAIN FUNCTIONAL AS SUCH UNTIL ALL AREAS TRIBUTARY TO THEM ARE PERMANENTLY STABILIZED OR UNTIL THEY ARE REPLACED BY ANOTHER BMP APPROVED BY THE LOCAL CONSERVATION DISTRICT OR THE DEPARTMENT.
- UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE LOCAL CONSERVATION DISTRICT FOR AN INSPECTION PRIOR TO REMOVAL/CONVERSION OF THE E&S BMPs.
- AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENT BMPs MUST BE REMOVED OR CONVERTED TO PERMANENT POST CONSTRUCTION STORMWATER MANAGEMENT BMPs. AREAS DISTURBED DURING REMOVAL OR CONVERSION OF THE BMPs SHALL BE STABILIZED IMMEDIATELY. IN ORDER TO ENSURE RAPID RE-VEGETATION OF DISTURBED AREAS, SUCH REMOVAL/CONVERSIONS ARE TO BE DONE ONLY DURING THE GERMINATING SEASON.
- UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE LOCAL CONSERVATION DISTRICT TO SCHEDULE A FINAL INSPECTION.
- FAILURE TO CORRECTLY INSTALL E&S BMPs, FAILURE TO PREVENT SEDIMENT-LADEN RUNOFF FROM LEAVING THE CONSTRUCTION SITE, OR FAILURE TO TAKE IMMEDIATE CORRECTIVE ACTION TO RESOLVE FAILURE OF E&S BMPs MAY RESULT IN ADMINISTRATIVE, CIVIL, AND/OR CRIMINAL PENALTIES BEING INSTITUTED BY THE DEPARTMENT AS DEFINED IN SECTION 607 OF THE PENNSYLVANIA CLEAN STREAMS LAW. THE CLEAN STREAMS LAW PROVIDES FOR UP TO \$10,000 PER DAY IN CIVIL PENALTIES, UP TO \$10,000 IN SUMMARY CRIMINAL PENALTIES, AND UP TO \$25,000 IN MIDDLEMANOR CRIMINAL PENALTIES FOR EACH VIOLATION.
- CONCRETE WASH WATER SHALL BE HANDLED IN THE MANNER DESCRIBED ON THE PLAN DRAWINGS. IN NO CASE SHALL IT BE ALLOWED TO ENTER ANY SURFACE WATERS OR GROUNDWATER SYSTEMS.
- EROSION CONTROL BLANKETING SHALL BE INSTALLED ON ALL SLOPES 3H:1V OR STEEPER WITHIN 50 FEET OF A SURFACE WATER AND ON ALL OTHER DISTURBED AREAS SPECIFIED ON THE PLAN MAPS AND/OR DETAIL SHEETS.
- FILL MATERIAL FOR EMBANKMENTS SHALL BE FREE OF ROOTS, OR OTHER WOODY VEGETATION, ORGANIC MATERIAL, LARGE STONES, AND OTHER OBJECTIONABLE MATERIALS. THE EMBANKMENT SHALL BE COMPACTED IN MAXIMUM 10" LAYERED LIFTS AT 90% DENSITY.
- SPREAD TOPSOIL, SEED AND MULCH ALL DISTURBED AREAS, USING THE SPECIFIED SEEDING REQUIREMENTS. ALL DISTURBED AREAS MUST BE TEMPORARILY STABILIZED IF REMAINING IDLE FOR MORE THAN 4 DAYS. IN THE ABSENCE OF A SOIL TEST, LIME SHOULD BE ADDED AT A RATE OF 275 LBS/1000 S.F. LIKEWISE, THE FERTILIZER RATES SHOULD BE INCREASED TO 1250 LBS/AC. OF 8-16-16 AND 2000 LBS/AC. OF 5-10-10.

1	STANDARD E&S NOTES
C401	

MAINTENANCE AND INSPECTION SCHEDULE

CONTROL MEASURE	INSPECT	PROBLEMS TO LOOK FOR	POSSIBLE REMEDIES
VEGETATION	WEEKLY AND AFTER EVERY RUNOFF EVENT	SEDIMENT AT TOE OF SLOPE RILLS AND GULLIES FORMING BARE SOIL PATCHES	CHECK FOR TOP-OF-SLOPE DIVERSION AND INSTALL IF NEEDED. FILL RILLS AND REGRADE GULLIED SLOPES. RESEED, FERTILIZE, AND MULCH BARE AREAS.
ROCK CONSTRUCTION ENTRANCES	DAILY	SINK HOLES OR RUTS SEDIMENT ON PUBLIC ROADWAY	ADD ROCK TO BRING TO SPECIFIED DIMENSIONS. SWEEP MATERIAL BACK TO PROJECT SITE. DO NOT WASH ROADWAY WITH WATER.
COMPOST FILTER SOCK	WEEKLY AND AFTER EVERY RUNOFF EVENT	SEDIMENT ACCUMULATION ON UPSTREAM SIDE PONDING WATER	REMOVE SEDIMENT WHEN LEVEL REACHES HALF OF THE EFFECTIVE HEIGHT. REMOVE SEDIMENT OR ADD ADDITIONAL SILT/SOX TO REDUCE SLOPE LENGTH.
INLET PROTECTION	WEEKLY AND AFTER EVERY RUNOFF EVENT	SEDIMENT ACCUMULATION SEDIMENT ACCUMULATED IN INLET FILTER BAG TO 1/2 FULL RUNOFF ESCAPING AROUND BARRIER FILTER BAG TORN OR DAMAGED	REMOVE SEDIMENT AND DISPOSE ON SITE. CLEAN AND/OR REPLACE BAG. REBUILD BARRIER. REPLACE BAG.
SLOPE BLANKET	WEEKLY AND AFTER EVERY RUNOFF EVENT	LOSS OF PROTECTIVE LINING TORN/PUNCTURED FABRIC	RESHAPE AS NECESSARY AND REPLACE FABRIC. OVERLAP WITH CONTINUOUS PIECE OF MATTING. SECURELY ANCHOR WITH PROPER STAPLES.
CONCRETE WASHOUT FACILITY	DAILY	DAMAGED OR LEAKING WASHOUT ACCUMULATION OF MATERIALS (50% CAPACITY)	DEACTIVATED AND REPAIRED OR REPLACED AS NECESSARY. PLASTIC LINERS SHOULD BE REPLACED WITH EACH CLEANING.
PUMPED WATER FILTER BAG	WHEN IN USE	SEDIMENT ACCUMULATION IN BAG WHEN IT REACHES HALF FULL LEAKY DISCHARGE HOSE	REPLACE FILTER BAG AND DISPOSE AT DEP APPROVED LOCATION. SECURE CLAMP CONNECTING DISCHARGE HOSE AND FILTER BAG.

- ALL MAINTENANCE INSPECTIONS SHALL BE LOGGED ONTO DEP FORM # 3800-FM-8CW0271D, DATED 04/20/25, AND KEPT ON THE SITE AT ALL TIMES.
- ALL REPAIRS TO BE COMPLETED WITHIN 24 HOURS OF DISCOVERY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL TEMPORARY CONTROL MEASURES DURING CONSTRUCTION.
- ALL DEVICES SHOULD BE INSPECTED WEEKLY AND AFTER EVERY RUNOFF EVENT. IF, DURING THESE INSPECTIONS, ANY DEVICE IS FOUND TO BE CLOGGED, DAMAGED, HALF-FULL OF SILT OR NOT FULLY OPERATIONAL, THE DEVICE(S) SHALL BE CLEANED OF ALL DEBRIS.
- UPON COMPLETION OF THE PROJECT, RECYCLING OR DISPOSAL OF ALL TEMPORARY EROSION CONTROL MATERIALS SHALL BE THE RESPONSIBILITY OF THE EARTHMOVING CONTRACTOR.
- CONSTRUCTION WASTE INCLUDES BUT IS NOT LIMITED TO EXCESS SOIL MATERIALS, SILT REMOVED FROM EROSION CONTROL FACILITIES, EXCESS BUILDING MATERIALS, CONCRETE WASH WATER, SANITARY WASTES, AND OBSOLETE EROSION CONTROL MATERIALS (SILT FENCE, SALT BAGS, ETC.) OBSOLETE EROSION CONTROL MATERIALS AND EXCESS BUILDING MATERIALS MUST BE DISPOSED OF AT A DEP APPROVED SITE.
- SILT REMOVED FROM SEDIMENT CONTROL FACILITIES SHALL BE SPREAD ON THE TOPSOIL STOCKPILE, OR IN LAWN OR LANDSCAPE AREAS.

2	MAINTENANCE SCHEDULE
C401	

TABLE 11.1
CUBIC YARDS OF TOPSOIL REQUIRED FOR APPLICATION TO VARIOUS DEPTHS

DEPTH (IN)	PER 1,000 SQUARE FEET	PER ACRE
1	3.1	134
2	6.2	268
3	9.3	403
4	12.4	537
5	15.5	672
6	18.6	806
7	21.7	940
8	24.8	1,074

TEMPORARY SEEDING SPECIFICATIONS:

- LIMESTONE:** RAW, GROUND AGRICULTURAL LIMESTONE CONTAINING MORE THAN 90 PERCENT CALCIUM CARBONATES (ADJUST PH LEVELS TO 8.5 TO 7.0) APPLY AT A RATE OF 410 LBS/1000 S.Y., UNLESS OTHERWISE INDICATED BY SOIL TESTS.
- COMMERCIAL FERTILIZER:** IN ABSENCE OF A SOIL TEST, USE 100 LBS / 1000 S.Y. OF 10-10-10 MIXED INTO SEED BED PRIOR TO SEEDING, OR IN A TANK WITH SEED WHEN HYDROSEEDING.
- MULCH:** CLEAN OAT OR WHEAT STRAW SHALL BE FREE FROM MATURE SEED-BEARING STALKS OR ROOTS OF PROHIBITED OR NOXIOUS WEEDS AS DEFINED BY THE PENNSYLVANIA SEED ACT 1947. APPLY AT A RATE OF 3 TONS/AC (139 LBS/1000 SF). PRECAUTION SHALL BE TAKEN TO STABILIZE THE MULCH UNTIL THE VEGETATIVE COVER IS ESTABLISHED.
- SEED MIXTURE:** SEED MIXTURE SHALL BEAR A GUARANTEED STATEMENT OF ANALYSIS AND SHALL BE COMPOSED OF THE FOLLOWING VARIETIES AND MIXED IN THE PROPORTIONS SPECIFIED:
- | TEMPORARY SEED MIXTURE | PROPORTION BY WEIGHT | MINIMUM PURITY | MINIMUM GERMINATION |
|------------------------|----------------------|----------------|---------------------|
| ANNUAL RYEGRASS | 100% | 94% | 90% |
- THREE (3) PERCENT REDTOP MAY BE ADDED TO THE LAWN MIXTURE ON SLOPE AREAS OR FOR LATE SPRING OR LATE FALL SEEDING.
- SEEDING RATE:** TEMPORARY SEEDING SHALL BE APPLIED AT A RATE OF TEN (10) POUNDS PER ONE THOUSAND (1,000) SQUARE YARDS.
- NOTES:** ALL AREAS TO BE SEEDED SHALL BE LOOSENEED TO A DEPTH OF AT LEAST TWO INCHES BY MECHANICAL MEANS, OR AS APPROVED BY THE LANDSCAPE ARCHITECT.
MULCH SEEDED AREAS IMMEDIATELY AFTER SEEDING.

- SEED ALL DISTURBED AREAS WITH THE TEMPORARY SEED MIXTURE EXCEPT THOSE AREAS SHOWN TO BE SEEDED WITH STEEP SLOPE MIXTURE, UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- HYDROSEEDING WITH TACIFER SHALL BE USED IN LIEU OF MULCH.

PERMANENT SEEDING SPECIFICATIONS:

- TOPSOIL:** 4" MIN. TOPSOIL SHALL BE REQUIRED ON ALL DISTURBED AREAS AFTER SITE HAS BEEN RECLAIMED/RESTORED.
- LIMESTONE:** RAW, GROUND AGRICULTURAL LIMESTONE CONTAINING MORE THAN 90 PERCENT CALCIUM CARBONATES (ADJUST PH LEVELS TO 8.5 TO 7.0) APPLY AT A RATE OF 240 LBS / 1000 S.Y., UNLESS OTHERWISE INDICATED BY SOIL TESTS.
- COMMERCIAL FERTILIZER:** IN ABSENCE OF A SOIL TEST, USE 210 LBS / 1000 S.Y. OF 10-10-20 MIXED INTO SEED BED PRIOR TO SEEDING, OR IN A TANK WITH SEED WHEN HYDROSEEDING.
- INOCULANT:** INOCULANT FOR TREATING LEGUMINOUS SEEDS SHALL BE A STANDARD COMMERCIAL PRODUCT CONSISTING OF A SUITABLE CARRIER CONTAINING A CULTURE OF NITROGEN FIXING BACTERIA SPECIFIC FOR SEEDS TO BE INOCULATED. INOCULANT SHALL NOT BE USED LATER THAN DATE INDICATED ON THE CONTAINER.
- MULCH:** CLEAN OAT OR WHEAT STRAW SHALL BE FREE FROM MATURE SEED-BEARING STALKS OR ROOTS OF PROHIBITED OR NOXIOUS WEEDS AS DEFINED BY THE PENNSYLVANIA SEED ACT 1947. APPLY AT A RATE OF 3 TONS/AC (139 LBS/1000 SF). PRECAUTION SHALL BE TAKEN TO STABILIZE THE MULCH UNTIL THE VEGETATIVE COVER IS ESTABLISHED.
- SEED MIXTURE:** SEED MIXTURE SHALL BEAR A GUARANTEED STATEMENT OF ANALYSIS AND SHALL BE COMPOSED OF THE FOLLOWING VARIETIES AND MIXED IN THE PROPORTIONS SPECIFIED:
- | PERMANENT SEEDING MIXTURE | PROPORTION BY WEIGHT |
|--|----------------------|
| SORGHASTRUM NITRATUM (INDIANGRASS, TOMAHAWK) | 31.1% |
| LOLIUM MULTIFLORUM (ANNUAL RYEGRASS) | 20.0% |
| ANDROPOGON CEARADON (NAGARA (BIG BLUESTEM, NIAGARA)) | 14.0% |
| ELYMUS VIRGINICUS (MADISON VIRGINIA WILDRY, MADISON) | 10.0% |
| ELYMUS CANADENSIS (CANADA WILDRY) | 7.0% |
| AGROSTIS PERENNANS (ALBANY PINE BUSH NY ECOTYPE) | 4.0% |
| AUTUMN SECTORGRASS (ALBANY PINE BUSH NY ECOTYPE) | 4.0% |
| PANICUM VIRGATUM (SHAWNEE (SWITCHGRASS, SHAWNEE)) | 4.0% |
| PANICUM CLANDESTINUM (TIGRA (DEERTONGUE, TIGRA)) | 3.0% |
| ECHINACEA PURPUREA (PURPLE CONEFLOWER) | 1.5% |
| CHAMAECRISTA FASCICULATA, PA ECOTYPE (PARTRIDGE PEA, PA ECOTYPE) | 1.3% |
| HELIOPSIS HELIANTHOIDES, PA ECOTYPE (OXYE SUNFLOWER, PA ECOTYPE) | 1.2% |
| COREOPSIS LANCEOLATA (LANCELEAF COREOPSIS) | 1.0% |
| RUBROCKIA HIRTA (COASTAL PLAIN NY ECOTYPE (BLACKEYED SUSAN, COASTAL PLAIN NY ECOTYPE)) | 1.0% |
| MONARDA FISTULOSA (FORT INDIANTOWN GAP-PA ECOTYPE (WILD BERGAMOT, FORT INDIANTOWN GAP-PA ECOTYPE)) | 0.3% |
| ASTER LAEVIS, NY ECOTYPE (SMOOTH BLUE ASTER, NY ECOTYPE) | 0.1% |
| ASTER NOVAE ANGLIAE, PA ECOTYPE (NEW ENGLAND ASTER, PA ECOTYPE) | 0.1% |
| SOLIDAGO JUNCEA, PA ECOTYPE (EARLY GOLDENROD, PA ECOTYPE) | 0.1% |
| SOLIDAGO NEMORALIS, PA ECOTYPE (GRAY GOLDENROD, PA ECOTYPE) | 0.1% |
- SEEDING RATE:** PERMANENT SEEDING SHALL BE APPLIED AT A RATE OF 21 POUNDS PER 1,000 SQUARE FEET.
- PREPARATION OF SEEDING:** HYDROSEEDING WITH TACIFER SHALL BE USED IN LIEU OF MULCH.
- GRADE AS NECESSARY TO BRING SUBGRADE TO A TRUE, SMOOTH SLOPE PARALLEL TO AND SIX INCHES BELOW FINISHED GRADE. PLACE TOPSOIL OVER SPECIFIED AREAS TO A DEPTH SUFFICIENTLY GREATER THAN SIX (6) OR EIGHT (8) INCHES SO THAT AFTER SETTLEMENT AND LIGHT ROLLING, THE COMPLETE WORK WILL CONFORM TO LINES GRADES AND ELEVATIONS SHOWN.
- FERTILIZER AND AGRICULTURAL LIMESTONE SHALL BE THOROUGHLY INCORPORATED INTO THE SOIL BY ROTOTILLING OR OTHER METHOD TO A MINIMUM DEPTH OF FOUR (4) INCHES. THE ENTIRE SURFACE SHALL THEN BE REGRADED AND ROLLED. AREAS TO BE SEEDED SHALL THEN BE LOOSENEED TO A DEPTH OF TWO (2) INCHES. SEEDING SHALL BE DONE IN TWO SEPARATE OPERATIONS. THE SECOND SEEDING SHALL BE DONE IMMEDIATELY AFTER THE FIRST AND AT RIGHT ANGLES TO THE FIRST SEEDING AND LIGHTLY RAKED INTO THE SOIL. MULCH SEEDED AREAS IMMEDIATELY AFTER SEEDING.

TABLE 11.2
SOIL AMENDMENT APPLICATION RATE EQUIVALENTS

SOIL AMENDMENT	PERMANENT SEEDING APPLICATION RATE			NOTES
	PER ACRE	PER 1,000 SQ. FT.	PER 1,000 SQ. YD.	
AGRICULTURAL LIME	6 TONS	240 LB.	2,480 LB.	OR AS PER SOIL TEST; MAY NOT BE REQUIRED IN AGRICULTURAL FIELDS.
10-20-20 FERTILIZER	1,000 LB.	25 LB.	210 LB.	OR AS PER SOIL TEST; MAY NOT BE REQUIRED IN AGRICULTURAL FIELDS.
TEMPORARY SEEDING APPLICATION RATE				
AGRICULTURAL LIME	1 TON	40 LB.	410 LB.	TYPICALLY NOT REQUIRED FOR TOPSOIL STOCKPILES.
10-10-10 FERTILIZER	500 LB.	12.5 LB.	100 LB.	TYPICALLY NOT REQUIRED FOR TOPSOIL STOCKPILES.

NOTE: A COMPOST BLANKET WHICH MEETS THE REQUIRED STANDARDS MAY BE SUBSTITUTED FOR THE SOIL AMENDMENTS SHOWN IN TABLE 11.2.

3	SEEDING SPECIFICATIONS
C401	

GENERAL INFORMATION

PROJECT NO. _____ DATE _____

CLIENT _____

DESIGNER _____

SCALE _____

DATE OF ISSUE _____

BY _____

CHECKED BY _____

APPROVED BY _____

REVISION RECORD

No.	Date	Description
01	2025-11-11	WPP Updates
02	2025-12-16	ACCD TECHNICAL INGRES RESPONSE
03		
04		
05		
06		
07		
08		

VISUAL SITE INSPECTION REPORT

DATE _____

BY _____

CHECKED BY _____

APPROVED BY _____

4

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VISUAL SITE INSPECTION REPORT



REVISION RECORD

No.	Date	Description
01	2025-11-11	WPP Updates
02	2025-12-16	ACCD TECHNICAL INGRES RESPONSE
03		
04		
05		
06		
07		
08		

LAFAYETTE 180
NEWBURY DRIVE
CUDDY, PA 15031
PREPARED FOR:
CE - SF, LP
295 WYOMING ROAD
MARS, PA 16846

EROSION AND SEDIMENTATION CONTROL DETAILS

Project Number: C-12199-0025
Drawing Scale: N/A
Date Issued: AUG 2025
Index Number: _____
Drawn By: MCL/RRR
Checked By: JMG
Project Manager: JMG

C401

CLEAN FILL AND ENVIRONMENTAL DUE DILIGENCE:

THE NPDES PERMIT COVERS THE MOVING, DEPOSITING, STOCKPILING OR STORING OF SOIL, ROCK OR EARTH MATERIALS. IF THE SITE WILL NEED TO HAVE FILL IMPORTED FROM AN OFF SITE LOCATION, THE RESPONSIBILITY FOR PERFORMING ENVIRONMENTAL DUE DILIGENCE AND THE DETERMINATION OF CLEAN FILL WILL RESIDE WITH THE CONTRACTOR RESPONSIBLE FOR EARTHMOVING OPERATIONS.

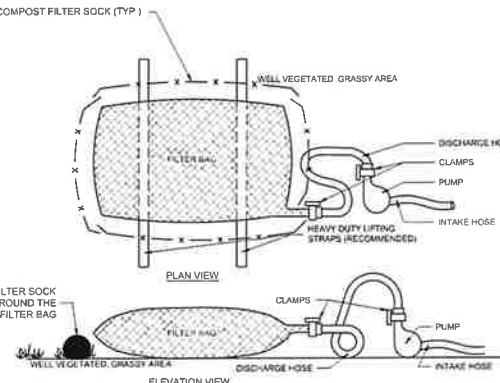
ENVIRONMENTAL DUE DILIGENCE MEANS PERFORMING INVESTIGATIVE TECHNIQUES FOR THE IMPORTED MATERIAL. THIS INCLUDES, BUT IS NOT LIMITED TO, VISUAL PROPERTY INSPECTIONS, ELECTRONIC DATA BASE SEARCHES, REVIEW OF PROPERTY OWNERSHIP, REVIEW OF PROPERTY USE HISTORY, SANBORN MAPS, ENVIRONMENTAL QUESTIONNAIRES, TRANSACTION SCREENS, ANALYTICAL TESTING, AND ENVIRONMENTAL ASSESSMENTS OR AUDITS. ANALYTICAL TESTING IS NOT A REQUIRED PART OF DUE DILIGENCE UNLESS VISUAL INSPECTION AND/OR REVIEW OF THE PAST LAND USE OF THE PROPERTY INDICATES THAT THE FILL MAY HAVE BEEN SUBJECTED TO A SPILL OR RELEASE OF REGULATED SUBSTANCE. 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. TESTING SHOULD BE PERFORMED IN ACCORDANCE WITH APPENDIX A OF THE DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP) POLICY MANAGEMENT OF FILL. FILL MATERIAL THAT DOES NOT QUALIFY AS CLEAN FILL IS REGULATED FILL. REGULATED FILL IS WASTE AND MUST BE MANAGED IN ACCORDANCE WITH THE DEP MUNICIPAL OR RESIDUAL WASTE REGULATIONS BASED ON 25 PA CODE, CHAPTERS 287 RESIDUAL WASTE MANAGEMENT OR 271 MUNICIPAL WASTE MANAGEMENT, WHICHEVER IS APPLICABLE.

CLEAN FILL IS DEFINED AS UNCONTAMINATED, NON-WATER SOLUBLE, NON-DECOMPOSABLE, INERT, SOLID MATERIAL. THE TERM INCLUDES SOIL, ROCK, STONE, DREDGED MATERIAL, USED ASPHALT, AND BRICK, BLOCK OR CONCRETE FROM CONSTRUCTION AND DEMOLITION ACTIVITIES THAT IS SEPARATE FROM OTHER WASTE AND IS RECOGNIZABLE AS SUCH. THE TERM DOES NOT INCLUDE MATERIALS PLACED IN OR ON THE WATERS OF THE COMMONWEALTH UNLESS OTHERWISE AUTHORIZED. (THE TERM USED, ASPHALT DOES NOT INCLUDE MILLED ASPHALT OR ASPHALT THAT HAS BEEN PROCESSED FOR RE-USE.)

1 CLEAN FILL AND ENVIRONMENTAL DUE DILIGENCE

- UPON COMPLETION OF THE PROJECT, RECYCLING OR DISPOSAL OF ALL MATERIALS WHICH COULD CAUSE POLLUTION SHALL BE THE RESPONSIBILITY OF THE EARTHMOVING CONTRACTOR.
- CONSTRUCTION WASTE INCLUDES, BUT IS NOT LIMITED TO, EXCESS SOIL MATERIALS, SILT REMOVED FROM EROSION CONTROL FACILITIES, EXCESS BUILDING MATERIALS, CONCRETE WASH WATER, SANITARY WASTES, AND OBSOLETE EROSION CONTROL MATERIALS (SILT FENCE, SILT SOCKS, ETC.).
- SILT REMOVED FROM SEDIMENT CONTROL FACILITIES SHALL BE SPREAD ON THE TOPSOIL STOCKPILE, OR IN LAWN OR LANDSCAPE AREAS.
- OBsolete EROSION CONTROL MATERIALS AND EXCESS BUILDING MATERIALS MUST BE DISPOSED OF AT A DEP APPROVED SITE.
- THERE WERE NO KNOWN NATURALLY OCCURRING GEOLOGIC FORMATIONS OR SOIL CONDITIONS LOCATED ON THE SITE THAT HAVE THE POTENTIAL TO CAUSE POLLUTION DURING CONSTRUCTION. IF SUCH CONDITIONS ARE ENCOUNTERED, STOP WORK AND CONTACT THE GEOGRAPHICAL ENGINEER AND/OR DEP GEOLOGICAL ROCK FORMATIONS OR SOIL CONDITIONS THAT ARE IDENTIFIED BY THE GEOLOGICAL ENGINEER ON SITE AS HAZARDOUS TO DEGRADE WATER QUALITY WILL BE ISOLATED IN PLACE OR WILL BE RELOCATED ON SITE FOLLOWED BY APPROPRIATE CAPPING WITH AN IMPERVIOUS SURFACE SUCH AS PAVEMENT OR A BUILDING, OR WILL BE EXCAVATED AND REMOVED TO AN OFF-SITE DISPOSAL AREA APPROVED TO HANDLE HAZARDOUS WASTE, DEPENDING ON THE LEVEL OF CONTAMINATION. BLENDING OF SOIL MAY ACHIEVE ACCEPTABLE STANDARDS.

2 RECYCLING AND WASTE DISPOSAL

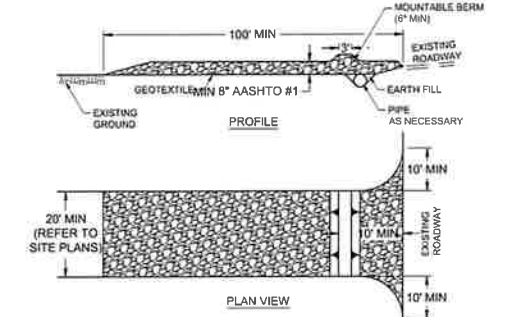


NOTES:
1. LOW VOLUME FILTER BAGS SHALL BE MADE FROM NON-WOVEN GEOTEXTILE MATERIAL, SEWN WITH HIGH STRENGTH, DOUBLE STITCHED 1" TYPE SEAMS. THEY SHALL BE CAPABLE OF TRAPPING PARTICLES LARGER THAN 150 MICRONS. HIGH VOLUME FILTER BAGS MAY BE MADE FROM WOVEN GEOTEXTILES THAT MEET THE FOLLOWING STANDARDS:

PROPERTY	TEST METHOD	MINIMUM STANDARD
Avg. Break Strength	ASTM D 1683	200 LBS
Grab Tensile	ASTM D 1683	200 LBS
Impact Force	ASTM D 4213	100 LB
Moisture Content	ASTM D 528	30% - 60%
UV Resistance	ASTM D 1709	500 HRS
UV Resistance	ASTM D 1709	500 HRS

- A SUITABLE MEANS OF ACCESSING THE BAG WITH MACHINERY REQUIRED FOR DISPOSAL PURPOSES MUST BE PROVIDED. FILTER BAGS SHALL BE REPLACED WHEN THEY HAVE BECOME 1/2 FULL. SPARE BAGS SHALL BE KEPT AVAILABLE FOR REPLACEMENT OF THOSE THAT HAVE FAILED OR ARE FILLED. IT IS RECOMMENDED THAT BAGS BE PLACED ON STRIPS TO FACILITATE REMOVAL.
- BAGS SHALL BE LOCATED IN WELL-VEGETATED (GRASSY) AREA AND DISCHARGE ONTO STABLE EROSION RESISTANT AREAS. WHERE THIS IS NOT POSSIBLE, A GEOTEXTILE UNDERLAYMENT AND FLOW PATH SHALL BE PROVIDED. BAGS MAY BE PLACED ON FILTER STONE TO INCREASE DISCHARGE CAPACITY. BAGS SHALL NOT BE PLACED ON SLOPES GREATER THAN 3% FOR SLOPES EXCEEDING 3%, CLEAN ROCK OR OTHER NON-ERODIBLE AND NON-POLLUTING MATERIAL MAY BE PLACED UNDER THE BAG TO REDUCE SLOPE STEEPNESS.
- NO DOWN SLOPE SEDIMENT BARRIER IS REQUIRED FOR MOST INSTALLATIONS. COMPOST BERM OR COMPOST FILTER SOCK SHOULD BE INSTALLED BELOW BAGS LOCATED WITHIN 5' OF RECEIVING STREAM OR WHERE GRASSY AREA IS NOT AVAILABLE. A COMPOST BERM OR COMPOST FILTER SOCK SHALL BE PLACED BELOW ANY BAG DISCHARGING TO A SPECIAL PROTECTION SURFACE WATER.
- THE PUMP DISCHARGE HOSE SHALL BE INSERTED INTO THE BAGS IN THE MANNER SPECIFIED BY THE MANUFACTURER AND SECURELY CLAMPED. A PIECE OF PVC PIPE IS RECOMMENDED FOR THIS PURPOSE.
- THE PUMPING RATE SHALL BE NO GREATER THAN 750 GPM OR 12" THE MAXIMUM SPECIFIED BY THE MANUFACTURER, WHICHEVER IS LESS. PUMP INTAKES SHOULD BE FLOATING AND SCREENED.
- FILTER BAGS SHALL BE INSPECTED DAILY. IF ANY PROBLEM IS DETECTED, PUMPING SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL THE PROBLEM IS CORRECTED.
- FILTER BAGS SHALL BE PLACED ON A FLAT AND VEGETATED OR PERMANENTLY STABILIZED GROUND. THE FILTERED WATER BEING PUMPED FROM THE BAG SHALL PASS THROUGH AN ADDITIONAL BAG CONTROL PRIOR TO LEAVING THE SITE.
- WHEN LOCATED WITHIN A STREAM THAT HAS IMPAIRMENTS THAT REQUIRE ABACT BMPs, A 12" COMPOST FILTER SOCK SHALL BE PLACED AROUND THE FILTER BAG AT ALL TIMES.

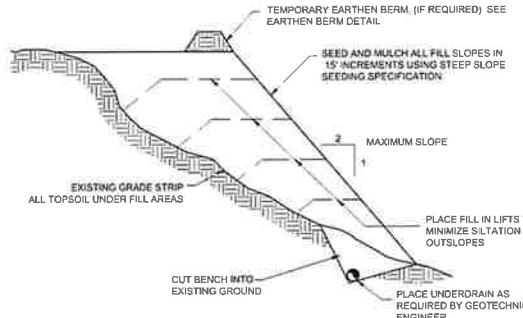
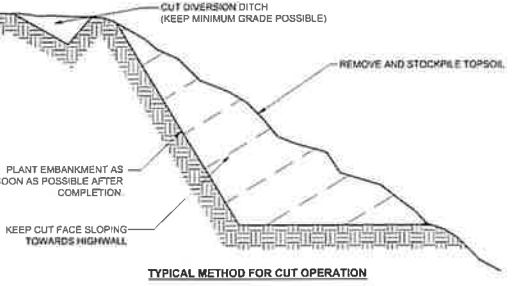
6 PUMPED WATER FILTER BAG



- NOTES:
- TOPSOIL SHALL BE REMOVED PRIOR TO INSTALLATION OF ROCK CONSTRUCTION ENTRANCE.
 - EXTEND ROCK OVER WIDTH OF ENTRANCE.
 - RUNOFF SHALL BE DIVERTED FROM ROADWAY TO A SUITABLE SEDIMENT REMOVAL BMP PRIOR TO ENTERING ROCK CONSTRUCTION ENTRANCE.
 - MOUNTABLE BERM SHOULD BE INSTALLED WHEREVER OPTIONAL CULVERT PIPE IS USED. PIPE TO BE SIZED APPROPRIATELY FOR SIZE OF DITCH BEING CROSSED.
 - REFER TO SITE PLANS FOR SIZE AND LOCATION WHERE APPLICABLE. REFER TO HOP PLANS FOR SIZE AND LOCATION ON STATE ROADWAYS.

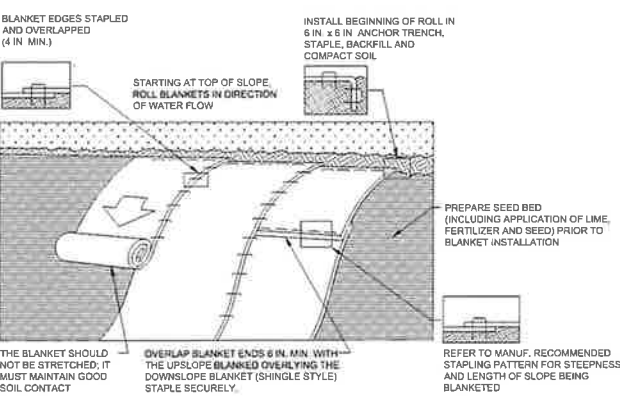
- MAINTENANCE:
- ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK. A STOCKPILE SHALL BE MAINTAINED ON SITE FOR THIS PURPOSE.
 - ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE IMMEDIATELY. IF EXCESSIVE AMOUNTS OF SEDIMENT ARE BEING DEPOSITED ON ROADWAY, EXTEND LENGTH OF ROCK CONSTRUCTION ENTRANCE BY 5' INCREMENTS UNTIL CONDITION IS ALLEVIATED OR INSTALL WASH RACK, WASHING THE ROADWAY OR SWEEPING THE DEPOSIT INTO THE ROADWAY DITCHES, CULVERTS, OR OTHER DRAINAGE WAYS IS NOT ACCEPTABLE.

3 ROCK CONSTRUCTION ENTRANCE



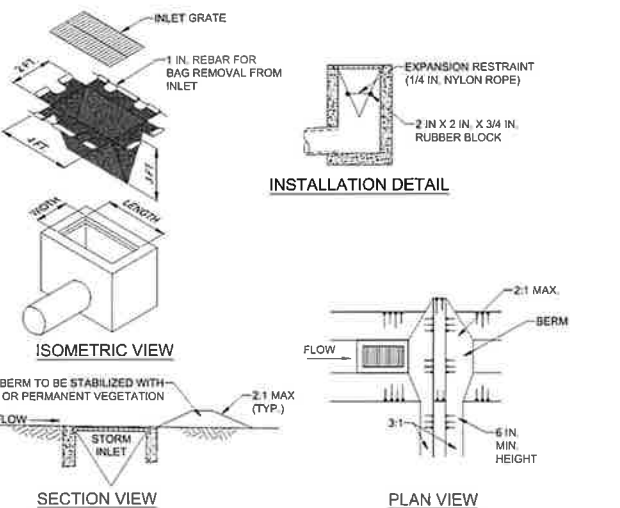
- NOTE:
- REFER TO GEOTECHNICAL REPORT FOR RECOMMENDATIONS. RECOMMENDATIONS IN THE REPORT WILL SUPERCEDE THESE DETAILS.

7 TYPICAL METHOD FOR CUT OR FILL OPERATION



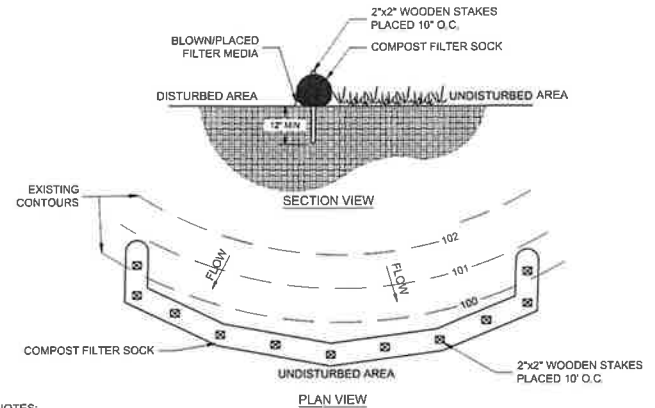
- NOTES:
- SEED AND SOIL AMENDMENTS SHALL BE APPLIED ACCORDING TO THE RATES IN THE PLAN DRAWINGS PRIOR TO INSTALLING THE BLANKET.
 - PROVIDE ANCHOR TRENCH AT TOE OF SLOPE IN SIMILAR FASHION AS AT TOP OF SLOPE.
 - SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS, AND GRASS.
 - BLANKET SHALL HAVE GOOD CONTINUOUS CONTACT WITH UNDERLYING SOIL THROUGHOUT ENTIRE LENGTH. LAY BLANKET LOOSELY AND STAPLE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH SOIL. DO NOT STRETCH BLANKET.
 - THE BLANKET SHALL BE STAPLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
 - BLANKETED AREAS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT UNTIL PERENNIAL VEGETATION IS ESTABLISHED TO A MINIMUM UNIFORM 70% COVERAGE THROUGHOUT THE BLANKETED AREA. DAMAGED OR DISPLACED BLANKETS SHALL BE RESTORED OR REPLACED WITHIN 1 CALENDAR DAYS.

4 EROSION CONTROL BLANKET



- NOTES:
- MAXIMUM DRAINAGE AREA = 1/2 ACRE.
 - INLET PROTECTION SHALL NOT BE REQUIRED FOR INLET TRIBUTARY TO SEDIMENT BASIN OR TRAP. BERMS SHALL BE REQUIRED FOR ALL INSTALLATIONS.
 - ROLLED EARTHEN BERM IN ROADWAY SHALL BE MAINTAINED UNTIL ROADWAY IS STONED. ROAD SUBBASE BERM ON ROADWAY SHALL BE MAINTAINED UNTIL ROADWAY IS PAVED. EARTHEN BERM IN CHANNEL SHALL BE MAINTAINED UNTIL PERMANENT STABILIZATION IS COMPLETED OR REMAIN PERMANENTLY.
 - AT A MINIMUM, THE FABRIC SHALL HAVE A MINIMUM GRAB TENSILE STRENGTH OF 120 LBS., A MINIMUM BURST STRENGTH OF 200 PSI, AND A MINIMUM TRAPEZOIDAL TEAR STRENGTH OF 50 LBS. FILTER BAGS SHALL BE CAPABLE OF TRAPPING ALL PARTICLES NOT PASSING A NO. 40 SIEVE.
 - INLET FILTER BAGS SHALL BE INSPECTED ON A WEEKLY BASIS AND AFTER EACH RUNOFF EVENT. BAGS SHALL BE EMPTIED AND RINSED OR REPLACED WHEN HALF FULL OR WHEN FLOW CAPACITY HAS BEEN REDUCED SO AS TO CAUSE FLOODING OR BYPASSING OF THE INLET. DAMAGED OR CLOGGED BAGS SHALL BE REPLACED. A SUPPLY SHALL BE MAINTAINED ON SITE FOR REPLACEMENT OF BAGS. ALL NEEDED REPAIRS SHALL BE INITIATED IMMEDIATELY AFTER THE INSPECTION. DISPOSE ACCUMULATED SEDIMENT AS WELL AS ALL USED BAGS ACCORDING TO THE PLAN NOTES.
 - DO NOT USE ON MAJOR PAVED ROADWAYS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS.

8 INLET PROTECTION



- NOTES:
- SOCK FABRIC SHALL MEET THE STANDARDS OF TABLE 4.1. COMPOST SHALL MEET THE STANDARDS OF TABLE 4.2.
 - COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE SOCK SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN SOCK ALIGNMENT. MAXIMUM SLOPE LENGTH ABOVE ANY SOCK SHALL NOT EXCEED THAT SHOWN ON FIGURE 4.2. STAKES MAY BE INSTALLED IMMEDIATELY DOWNSLOPE OF THE SOCK IF SO SPECIFIED BY THE MANUFACTURER.
 - TRAFFIC SHALL NOT BE PERMITTED TO CROSS FILTER SOCKS.
 - ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES HALF THE ABOVEGROUND 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 THE MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.
 - BIODEGRADABLE FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS; PHOTODEGRADABLE SOCKS AFTER ONE YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
 - UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCK, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.
 - SILT SOCK FABRIC MATERIAL SHALL BE MULTI-FILAMENT POLYPROPYLENE (MFFP), MINIMUM FUNCTIONAL LONGEVITY ONE YEAR.

TABLE 4.1 COMPOST SOCK FABRIC MINIMUM SPECIFICATIONS

MATERIAL TYPE	COMPOST SOCK FABRIC MINIMUM SPECIFICATIONS				
	3 mil HDPE	5 mil HDPE	5 mil HDPE	MULTI-FILAMENT POLYPROPYLENE (MFFP)	HEAVY DUTY MULTI-FILAMENT POLYPROPYLENE (HDMFFP)
MATERIAL CHARACTERISTICS	PHOTO-DEGRADABLE	PHOTO-DEGRADABLE	BIO-DEGRADABLE	PHOTO-DEGRADABLE	PHOTO-DEGRADABLE
SOCK DIAMETERS	12" 18"	12" 18" 24" 32"	12" 18" 24" 32"	12" 18" 24" 32"	12" 18" 24" 32"
MESH OPENING	3/8"	3/8"	3/8"	3/8"	1/8"
TENSILE STRENGTH		26 PSI	26 PSI	44 PSI	202 PSI
ULTRAVIOLET STABILITY % ORIG. STRENGTH (ASTM G-155)	23% AT 1000 HR.	23% AT 1000 HR.		100% AT 1000 HR.	100% AT 1000 HR.
MINIMAL FUNCTIONAL LONGEVITY	6 MONTHS	9 MONTHS	6 MONTHS	1 YEAR	2 YEARS

TWO-PLY SYSTEMS

INNER CONTAINMENT NETTING	HDPE BIAXIAL NET CONTINUOUSLY WOUND FUSION-WELDED JUNCTURES 3/4" x 3/4" MAX. APERTURE SIZE
OUTER FILTRATION MESH	COMPOSITE POLYPROPYLENE FABRIC (WOVEN LAYER AND NON-WOVEN FLEECE MECHANICALLY FUSED VIA NEEDLE PUNCH) 3/16" MAX. APERTURE SIZE

SOCK FABRICS COMPOSED OF BURLAP MAY BE USED ON PROJECTS LASTING 6 MONTHS OR LESS.

TABLE 4.2 COMPOST STANDARDS

ORGANIC MATTER CONTENT	25% - 100% (DRY WEIGHT BASIS)
ORGANIC PORTION	FIBROUS AND ELONGATED
Fm	5.5 - 8.5
MOISTURE CONTENT	30% - 60%
PARTICLE SIZE	30%-50% PASS THRU 3/8" SIEVE
SOLUBLE SALT CONCENTRATION	5.0 g/5m (mm-h2o-cm) MAXIMUM

5 COMPOST FILTER SOCK



REVISION RECORD

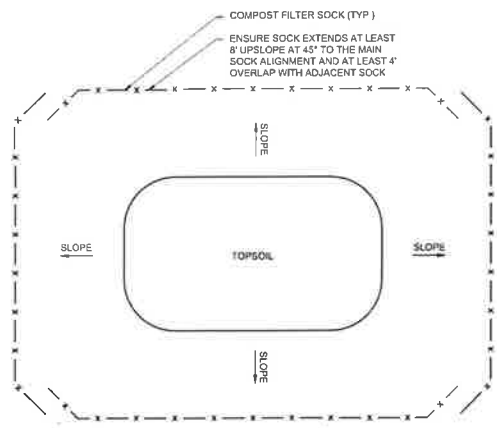
No.	Date	Description
01	2025-11-11	WPP Updates
02	2025-12-16	ACCD TECHNICAL NPDES RESPONSE
03		
04		
05		
06		
07		
08		

LAFAYETTE 180
NEWBURY DRIVE
CUDDY, PA 15031
PREPARED FOR:
CE - SF, LP
295 MYOMA ROAD
MATS, PA 16046

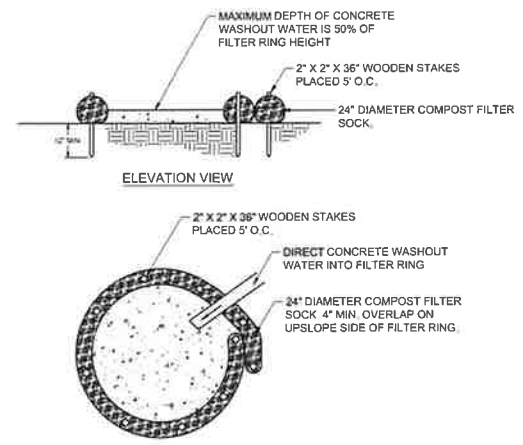
EROSION AND SEDIMENTATION CONTROL DETAILS
Project Number: C-12199-0025
Drawing Scale: N/A
Date Issued: AUG 2025
Index Number: ...
Drawn By: MCL/RRR
Checked By: JMG
Project Manager: JMG

C402

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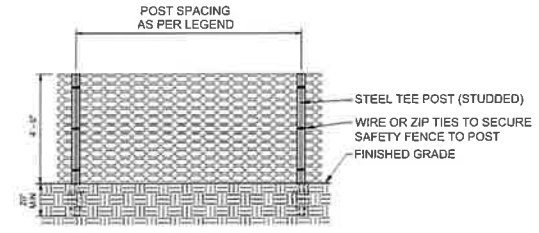


- NOTES:**
1. TOPSOIL STOCKPILE LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR DURING CONSTRUCTION PER SITE PHASING. ADDITIONAL COORDINATION WITH THE ALLEGHENY COUNTY CONSERVATION DISTRICT MAY BE REQUIRED FOR APPROVAL OF STOCKPILE LOCATIONS.
 2. THE AREA DOWNSLOPE FROM THE COMPOST FILTER SOCK MAY NOT BE UNDER DEVELOPMENT OR OTHERWISE DISTURBED, UNLESS DOWNSLOPE PERIMETER BMPs ARE PROVIDED.
 3. ENSURE DOWNSLOPE COVERAGE ON ALL SIDES OF TOPSOIL STOCKPILE.
 4. COMPOST FILTER SOCK SIZE SHALL BE PROVIDED IN ACCORDANCE WITH FIGURE 4.2.

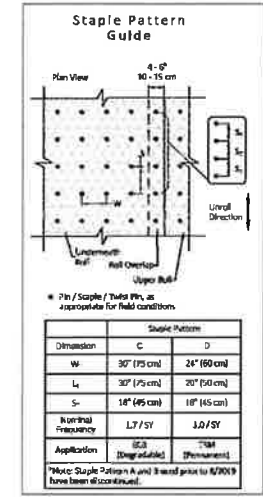


- NOTES:**
1. INSTALL ON FLAT GRADE FOR OPTIMAL PERFORMANCE.
 2. 16" DIAMETER FILTER SOCK MAY BE STACKED ONTO DOUBLE 24" DIAMETER SOCKS IN PYRAMIDAL CONFIGURATION FOR ADDED HEIGHT.
 3. A SUITABLE IMPERVIOUS GEOMEMBRANE LINER SHALL BE PLACED AT THE LOCATION PRIOR TO THE INSTALLING THE SOCKS.
 4. WASHOUT FACILITIES SHOULD NOT BE PLACED WITHIN 50 FT OF STORM DRAINS, OPEN DITCHES, OR SURFACE WATERS.

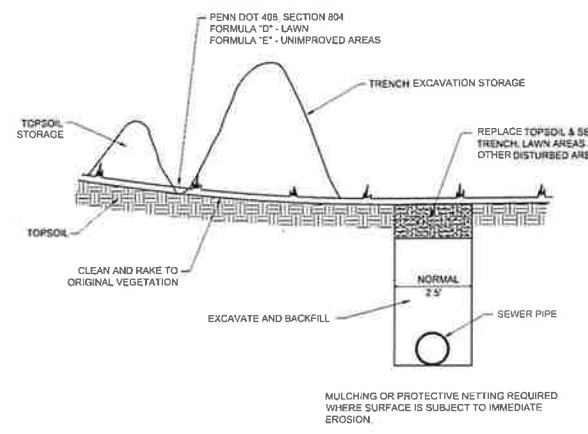
48" SAFETY FENCE, 72" T-POSTS	
SAF12	48" ORANGE FENCE, 12 FEET O.C.
SAF11	48" ORANGE FENCE, 11 FEET O.C.
SAF10	48" ORANGE FENCE, 10 FEET O.C.
SAF9	48" ORANGE FENCE, 9 FEET O.C.
SAF8	48" ORANGE FENCE, 8 FEET O.C.
SAF7	48" ORANGE FENCE, 7 FEET O.C.
SAF6	48" ORANGE FENCE, 6 FEET O.C.



- NOTES:**
1. ORANGE CONSTRUCTION FENCE SHALL BE PLACED AROUND ALL ENVIRONMENTAL FEATURES TO BE PROTECTED ON THE SITE.
 2. SAFETY FENCE SHOULD BE FASTENED SECURELY TO THE T-POSTS.
 3. THE FENCING MUST REMAIN IN PLACE DURING ALL PHASES OF CONSTRUCTION. ANY CHANGE OF THE PROTECTIVE FENCING MUST BE APPROVED.



4 STAPLE PATTERN FOR EROSION CONTROL BLANKET



6 EROSION CONTROL FOR SEWER TRENCHES

1 TOPSOIL STOCKPILE DETAIL

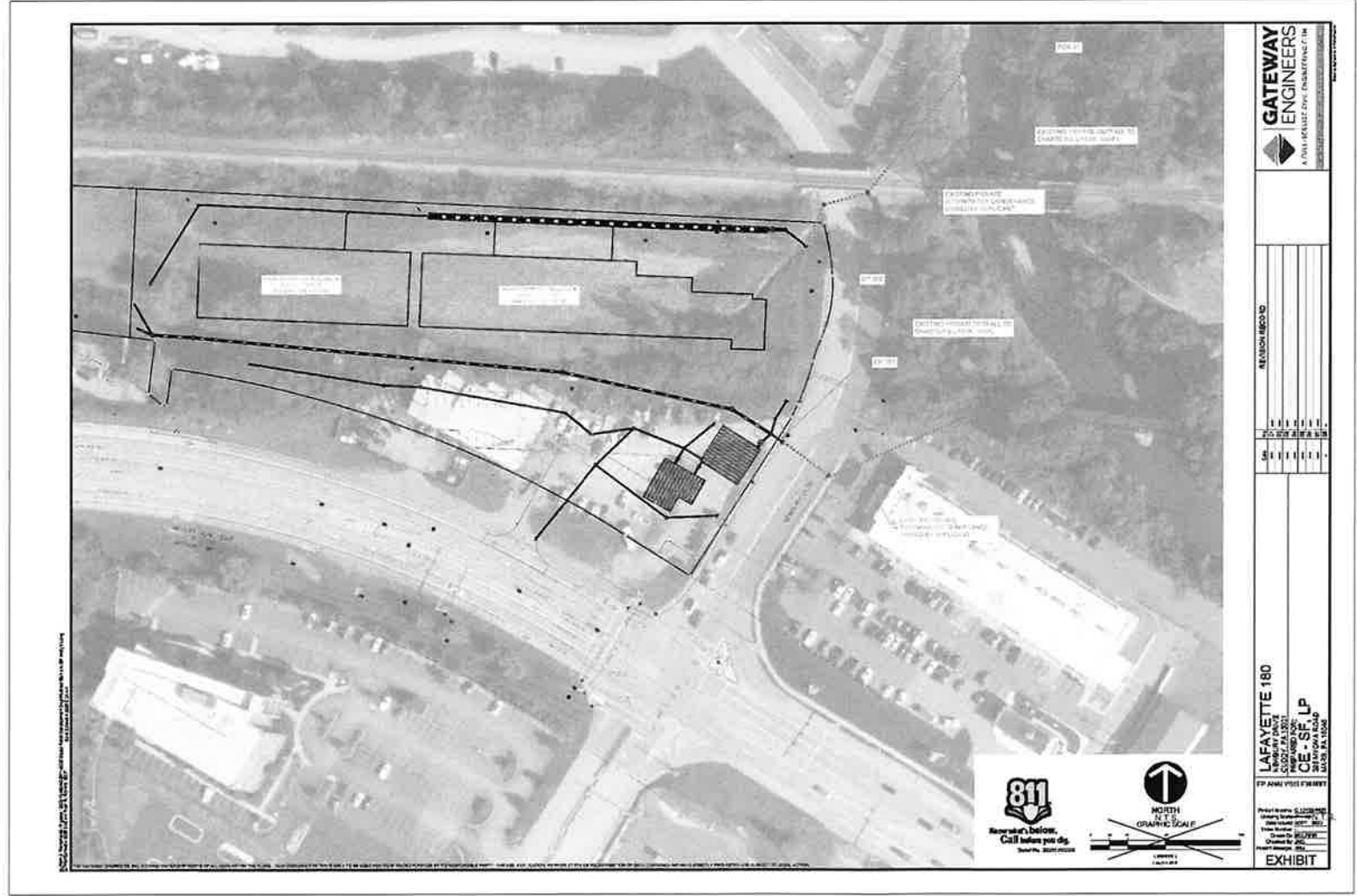
2 CONCRETE WASHOUT AREA

3 ORANGE CONSTRUCTION FENCE

SITE SOIL TYPES:				
SYMBOL	DESCRIPTION	SLOPE	LIMITATIONS	REMEDIAL ACTIONS
UB	URBAN LAND	GENTLY	<ul style="list-style-type: none"> CUTBANKS CAVE CORROSIVE TO CONCRETE AND STEEL HAZARD OF EROSION SEASONAL HIGH WATER TABLE PERMEABILITY LANDSLIDES SLOW PERCOLATION PIPING POOR SOURCES OF TOPSOIL FROST ACTION SHRINK SWELL POTENTIAL SINKHOLE SLOPE SUSCEPTIBILITY TO SLIPS 	<p>SOILS SUSCEPTIBLE TO HIGH WATER TABLES AND/OR PIPING AND SEEPING:</p> <ul style="list-style-type: none"> PROVIDE PUMPED WATER SEDIMENT REMOVAL FACILITIES USE CLAY EMBANKMENT CORES UTILIZE ANTI-SEEP COLLARS OR GRAVEL PACKS <p>SOILS SUSCEPTIBLE TO MODERATE OR HIGH EROSION POTENTIAL:</p> <ul style="list-style-type: none"> LIMIT TIME OF EXPOSURE USE EROSION CONTROL BLANKETS SELECTION OF SEED MIXTURES WITH RAPIDLY GERMINATING SPECIES SODDING USE OF SPECIAL STABILIZATION PRODUCTS (E.G. CELLULAR GRIDS, INTERLOCKING CONCRETE BLOCKS,) <p>SOILS SUSCEPTIBLE TO SLIPS & LANDSLIDES:</p> <ul style="list-style-type: none"> PREVENT SATURATION OF SLOPES PROVIDE ANCHORING OR RETAINING SYSTEMS PROVIDE BENCHING TO CATCH FALLING DEBRIS SEE GEOTECHNICAL NOTE BELOW <p>SOILS SUSCEPTIBLE TO CUTBANKS CAVE:</p> <ul style="list-style-type: none"> PREVENT SATURATION OF SLOPES PROVIDE ANCHORING OR RETAINING SYSTEMS PROVIDE BENCHING TO CATCH FALLING DEBRIS PROVIDE TRENCH BOXES FOR UTILITY INSTALLATION <p>SOILS CORROSIVE TO CONCRETE/STEEL:</p> <ul style="list-style-type: none"> MINIMIZE THE AMOUNT OF SOIL DISTURBANCE PROVIDE PROTECTIVE COATING TO CONCRETE AND STEEL PROVIDE EXTRA CONCRETE AND STEEL THICKNESS <p>SOILS THAT ARE POOR SOURCES OF TOPSOIL:</p> <ul style="list-style-type: none"> PERFORM SOIL TESTS TO DETERMINE PROPER APPLICATION OF SOIL AMENDMENTS AND PROPER MOISTURE CONTENT FOR PROPOSED VEGETATIVE COVER IMPORT TOPSOIL AS NEEDED

NOTE:
A GEOTECHNICAL ENGINEER WILL REVIEW THE SOIL CAPABILITY OF THE SITE AND MAKE RECOMMENDATIONS TO THE OWNER. SOILS HAVING UNSTABLE COMPOSITION, SUP AND LANDSLIDE POTENTIAL ARE NOT TO BE PLACED AS FILL MATERIAL AT AREAS HAVING 2:1 SLOPES OR NEAR PROXIMITY TO SUCH SLOPES. LOADING PLANES OF SUCH PLACED FILLS SHALL BEAR ON SUITABLE SOILS KEYED INTO VIRGIN SOILS. REFER TO CUTFILL DETAILS ON PLANS. ALL CUT SITUATIONS THAT EXPOSE SUCH SOILS TO UNSUPPORTED BEARING BASE REQUIRE THOSE SOILS TO BE EXCAVATED AND REPLACED WITH SUITABLE SOILS THAT DO NOT HAVE THE MENTIONED CHARACTERISTICS.

5 SITE SOIL DATA



- NOTES:**
1. DETAIL NOT TO SCALE
 2. FOR MORE INFORMATION SEE EROSION POTENTIAL ANALYSIS MEMO INCLUDED IN NPDES SUBMITTAL.

7 EROSION POTENTIAL ANALYSIS EXHIBIT

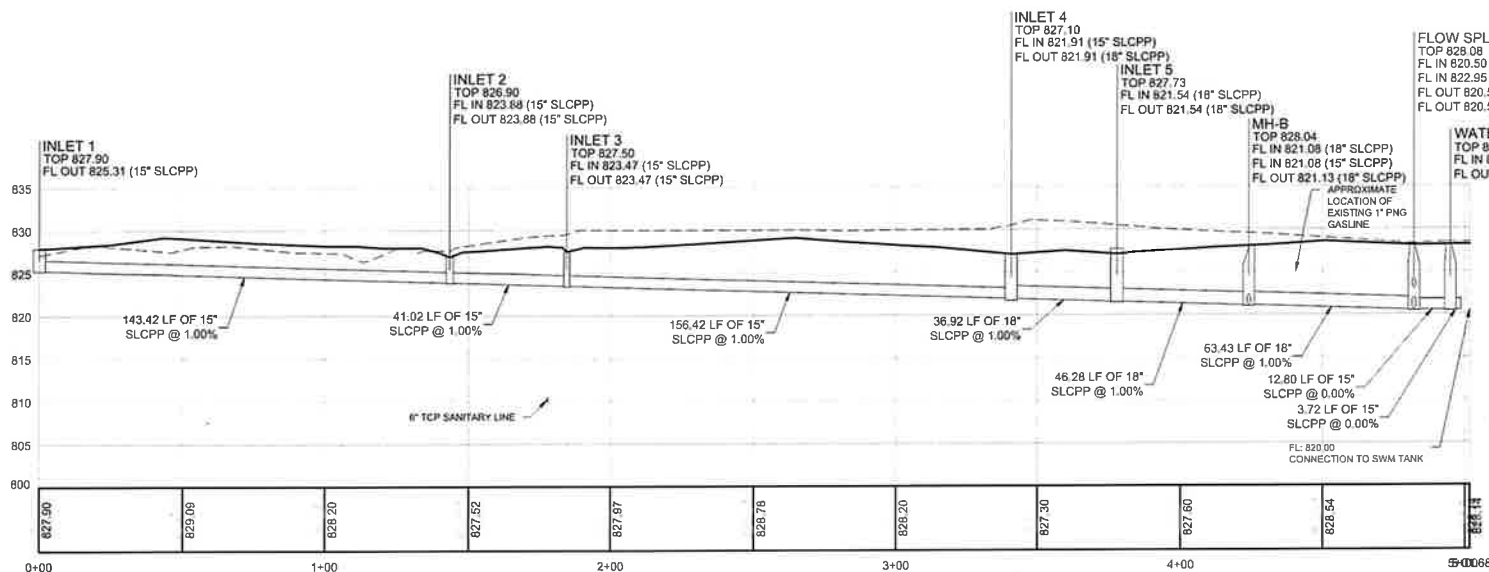


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02	2025-12-16
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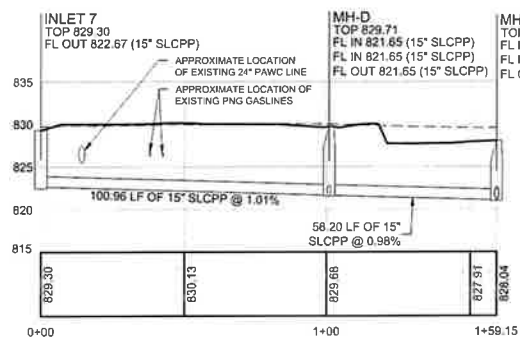
LAFAYETTE 180
NEWBURY DRIVE
CUDDY, PA 15031
PREPARED FOR:
CE - SF, LP
295 MYOMA ROAD
MARKS, PA 16046

EROSION AND SEDIMENTATION CONTROL DETAILS
Project Number: C-12199-0025
Drawing Scale: N/A
Date Issued: AUG 2025
Index Number: ---
Drawn By: MCL/RRR
Checked By: JMG
Project Manager: JMG
C403

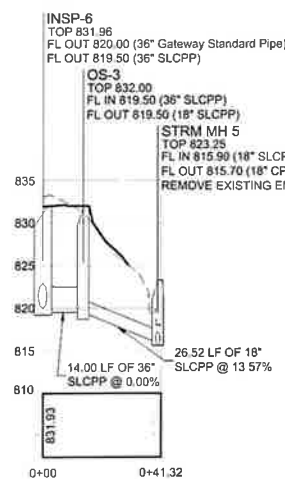
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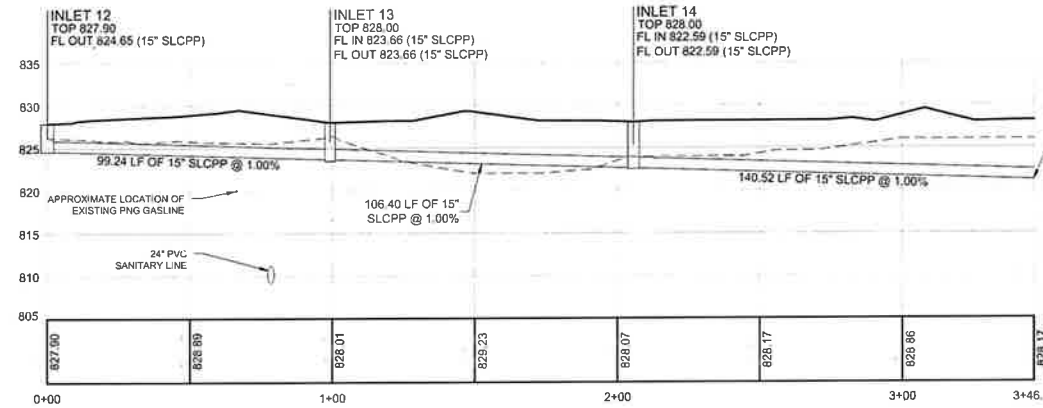
INLET 1 TO TANK PROFILE
HORIZONTAL SCALE: 1" = 30'
VERTICAL SCALE: 1" = 10'



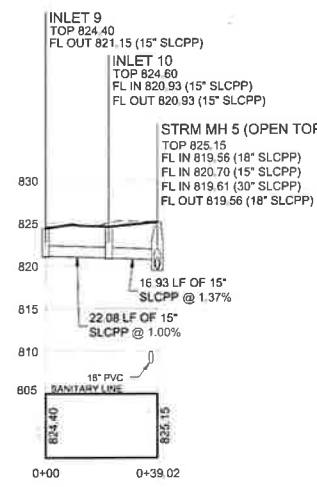
INLET 7 TO MH-B PROFILE
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VERTICAL SCALE: 1" = 10'



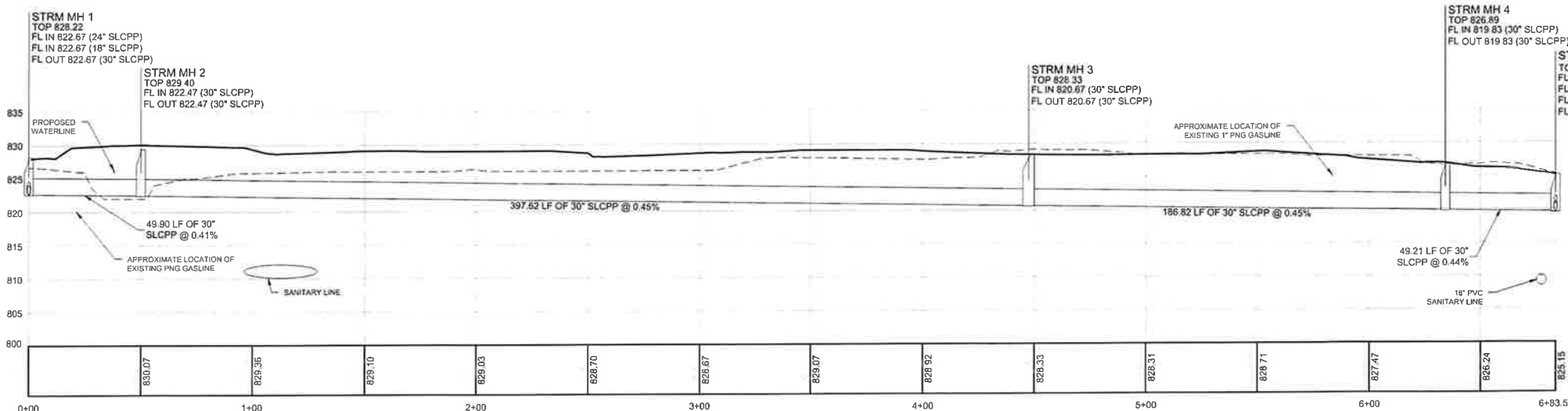
TANK 2 TO MH-5 PROFILE
HORIZONTAL SCALE: 1" = 30'
VERTICAL SCALE: 1" = 10'



INLET 12 TO TANK 2 PROFILE
HORIZONTAL SCALE: 1" = 30'
VERTICAL SCALE: 1" = 10'



INLET 9 TO STRM MH-5 PROFILE
HORIZONTAL SCALE: 1" = 30'
VERTICAL SCALE: 1" = 10'



STRM MH 1 TO INLET 12 (TYPE 4) PROFILE
HORIZONTAL SCALE: 1" = 30'
VERTICAL SCALE: 1" = 10'

PROFILE NOTES:
1. THE LENGTHS (LF) SHOWN ON THIS PLAN ARE CENTERLINE STRUCTURE TO CENTERLINE STRUCTURE AND DO NOT ACCOUNT FOR SLOPES OR DEFINE ACTUAL LENGTHS OF PIPE.

PROFILE STRUCTURE ABBREVIATIONS

STM	STORM
SM	SANITARY
MH	MANHOLE
OS	OUTLET STRUCTURE
CO	CLEANOUT
HW	HEADWALL
EW	ENDWALL



REVISION RECORD

No.	Date	Description
01	2025-11-11	WPP Updates
02	2025-12-16	ACCD TECHNICAL RESPONSE
03	2026-01-14	TOWNSHIP SUBMISSION

LAFAYETTE 180
NEWBURY DRIVE
CUDDY, PA 15031

PREPARED FOR:
CE-SF, LP
295 MYOMA ROAD
MARS, PA 16046

STORM PROFILES

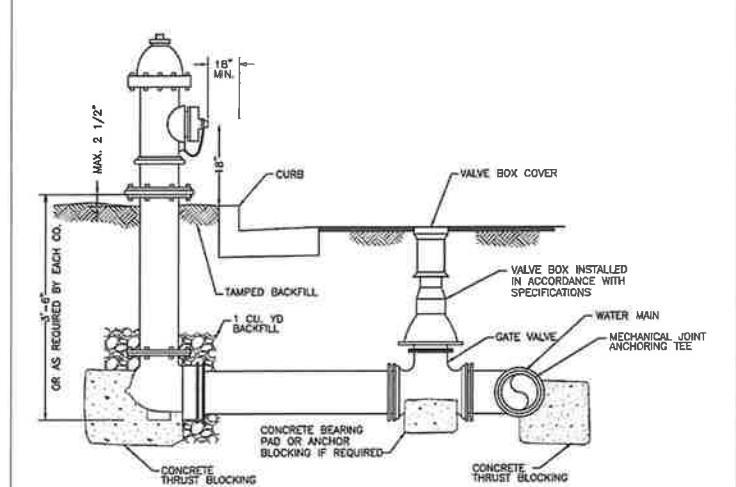
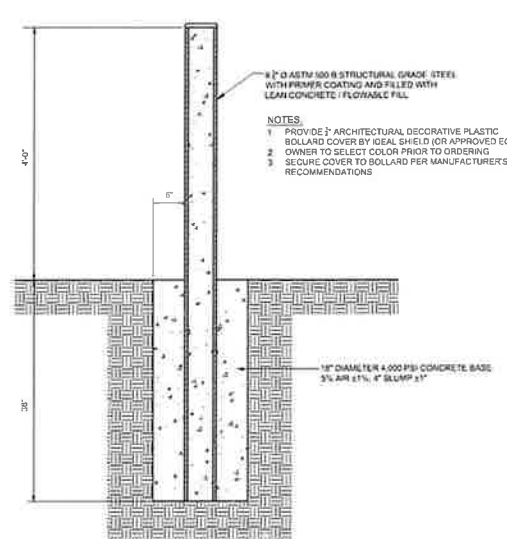
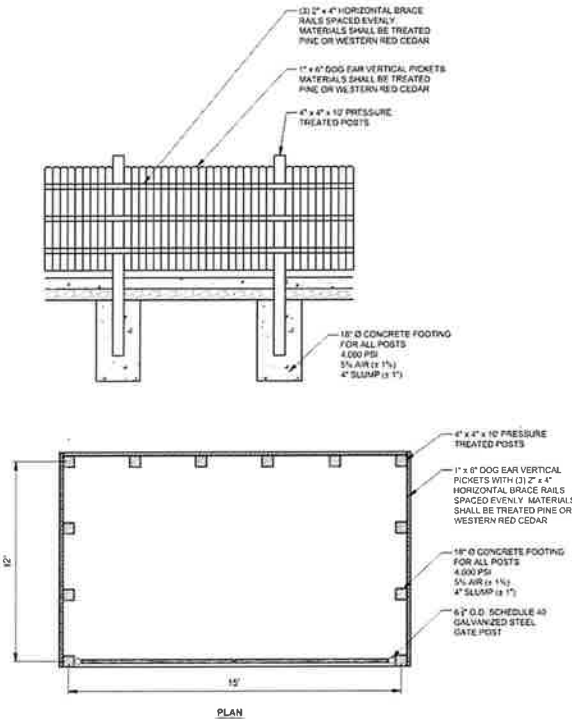
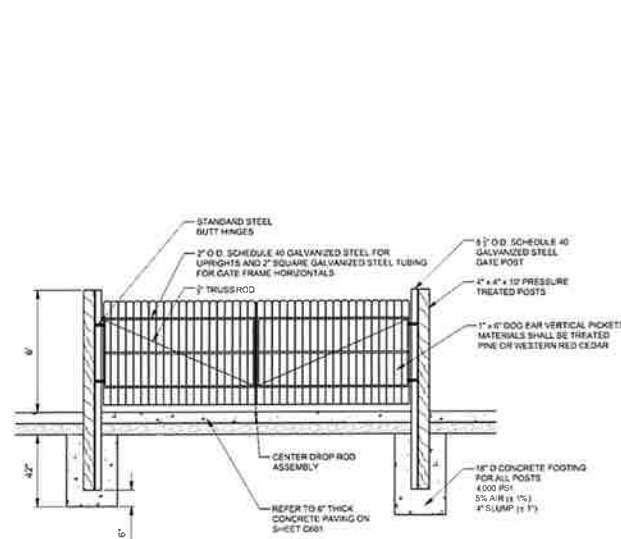
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Drawing Scale: AS NOTED
Date Issued: AUG 2025
Index Number: _____
Drawn By: MCL/RRR
Checked By: JMG
Project Manager: JMG



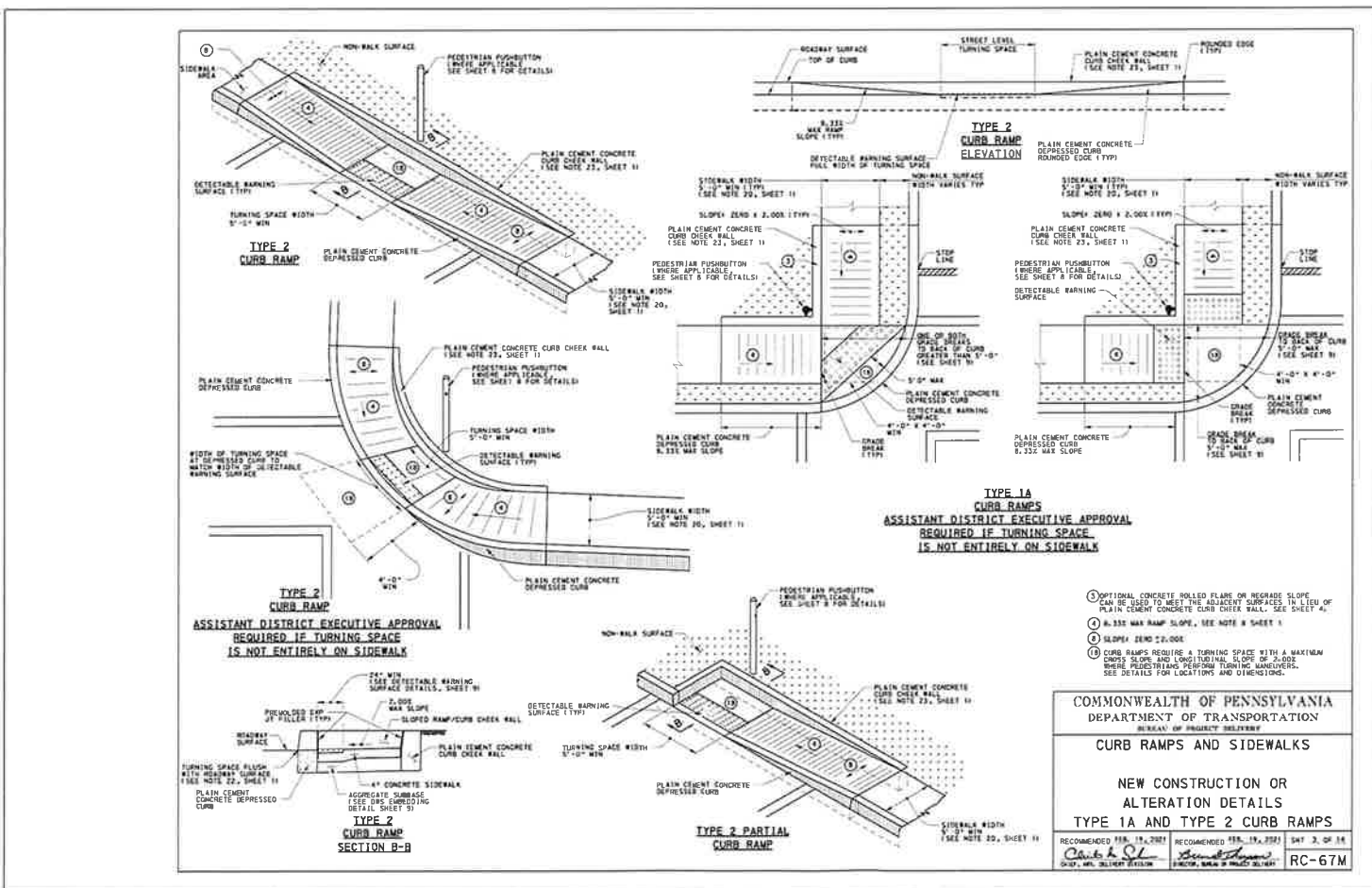
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C500



1
C601 WOOD DUMPSTER ENCLOSURE



5
C601 TYPE 2 ADA RAMP

4
C601 STOP SIGN

2
C601 PROTECTIVE BOLLARD

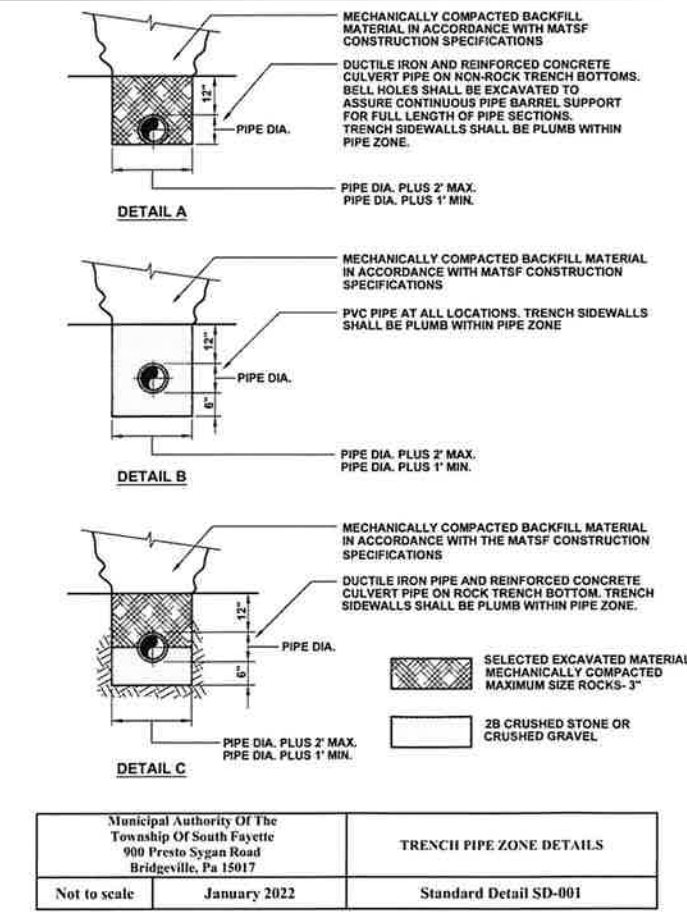
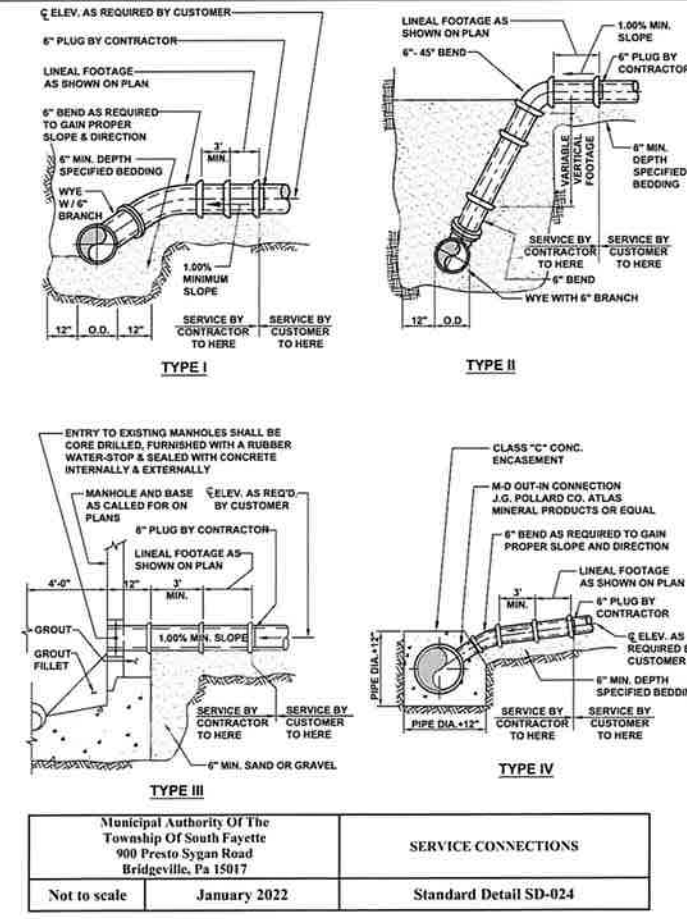
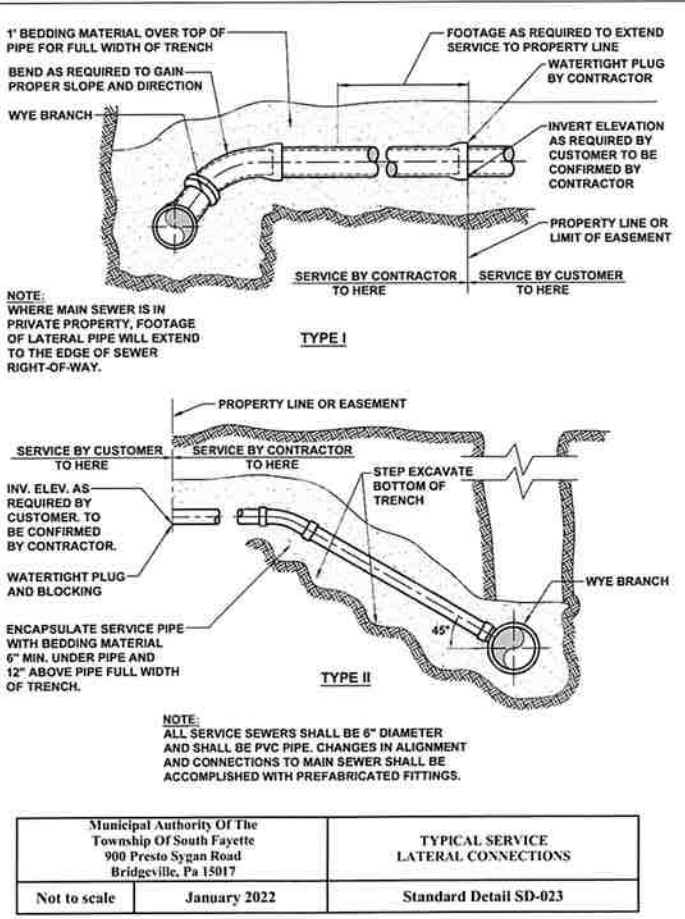
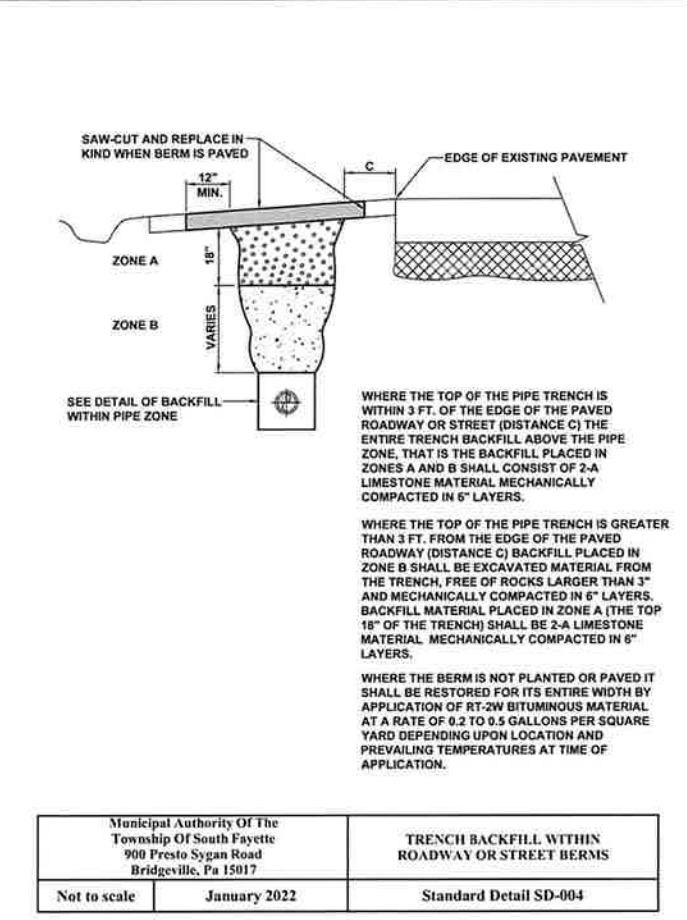
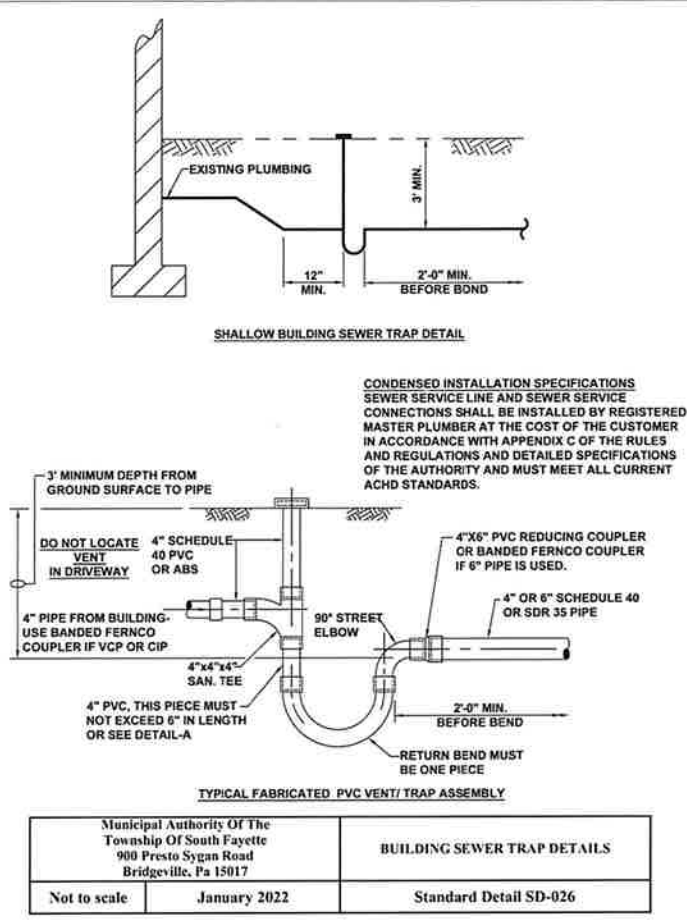
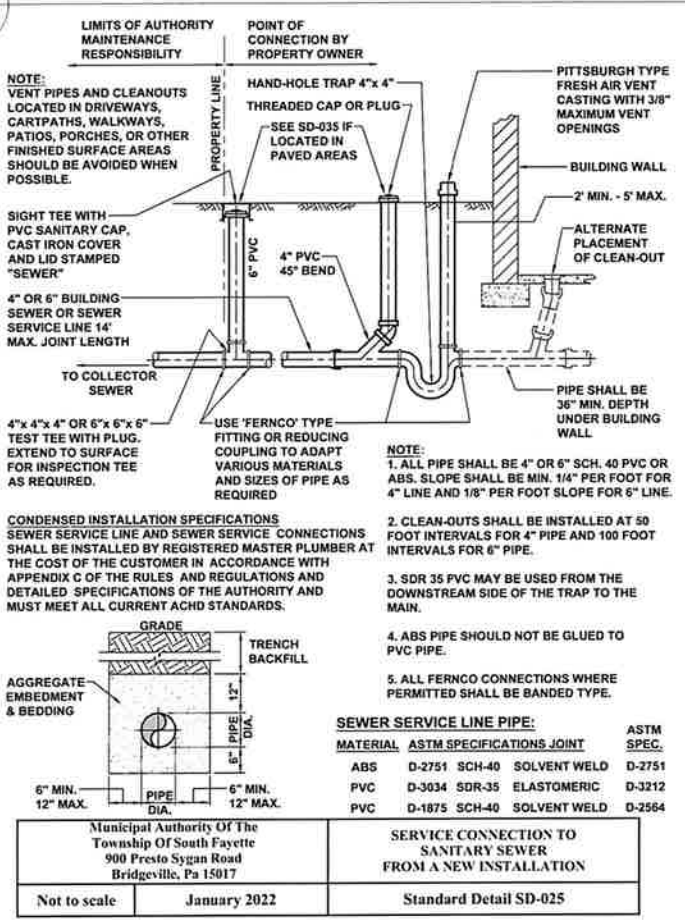
3
C601 FIRE HYDRANT DETAIL



REVISION RECORD

Date	No.	Description
2025-11-11	01	WPP Updates
2025-12-16	02	ACCD TECHNICAL INFOS RESPONSE
2026-01-14	03	TOWNSHIP SUBMISSION
	04	
	05	
	06	
	07	
	08	

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GATEWAY ENGINEERS
A FULL-SERVICE CIVIL ENGINEERING FIRM

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL ENGINEER
No. 1000778
Exp. 12/31/2025

REVISION RECORD

No.	Date	Description
01	2025-11-11	WPP UPGRADES
02	2025-12-16	ACCD TECHNICAL NOTES RESPONSE
03	2025-01-14	TOWNSHIP SUBMISSION
04		
05		
06		
07		
08		

LAFAYETTE 180
NEWBURY DRIVE
CUDDY, PA 15031

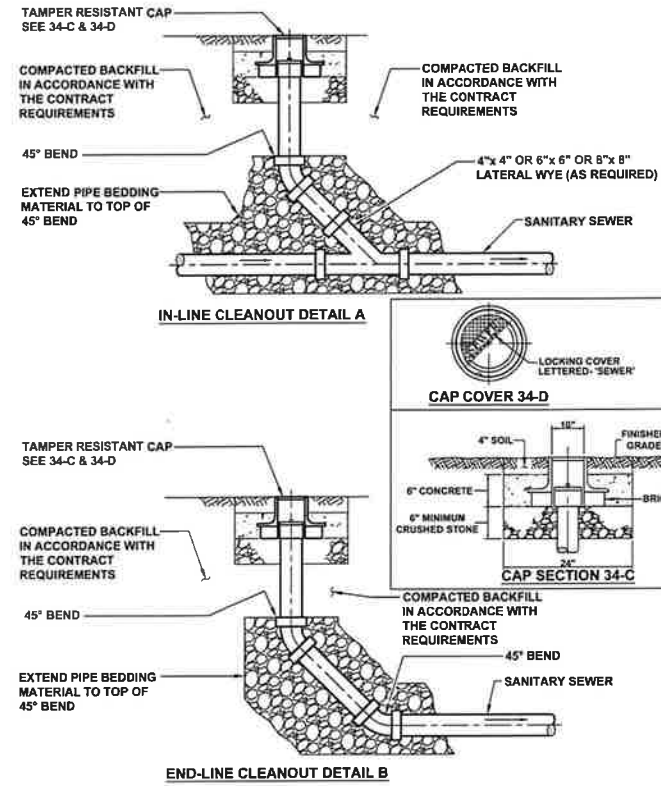
CE - SF, LP
295 MYOMA ROAD
MARKS, PA 16046

CONSTRUCTION DETAILS

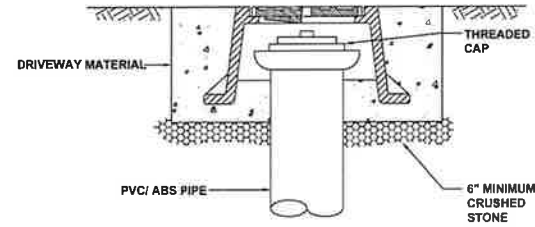
Project Number: C-12199-0025
Drawing Scale: N/A
Date Issued: AUG 2025
Index Number: -
Drawn By: MCL/RRR
Checked By: JMG
Project Manager: JMG

C602

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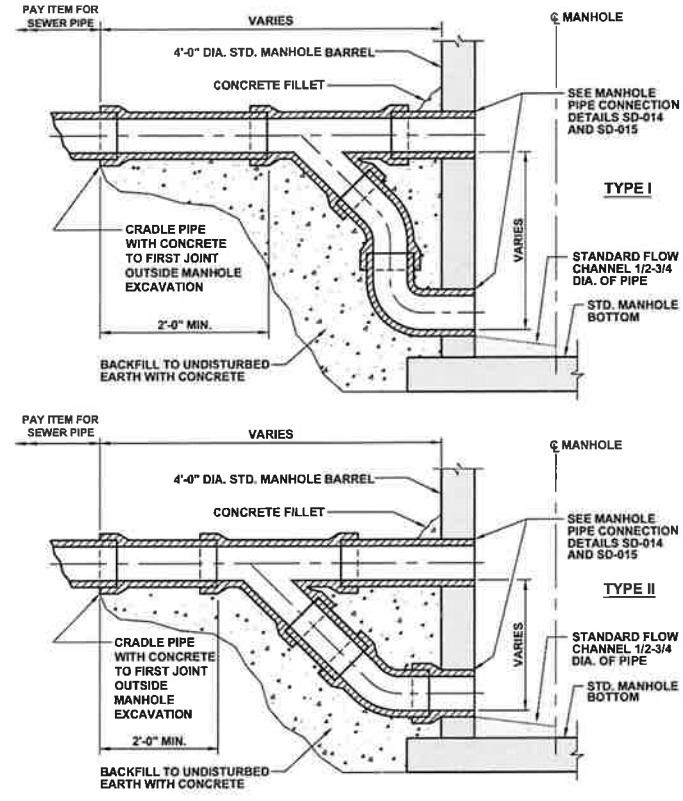


Municipal Authority Of The Township Of South Fayette 900 Presto Sygan Road Bridgeville, Pa 15017	MAIN LINE, IN-LINE, AND END LINE CLEANOUT FOR 6" AND 8" PVC SEWER
Not to scale	January 2022
Standard Detail SD-034	

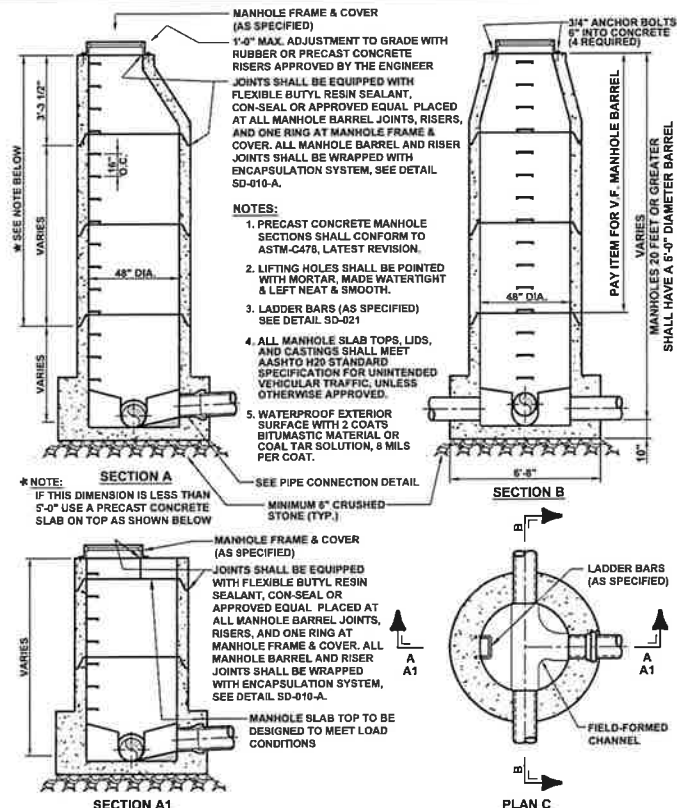


NOTE:
FRAME & COVER SHALL BE VALVCO INC. #668 OR APPROVED EQUAL.

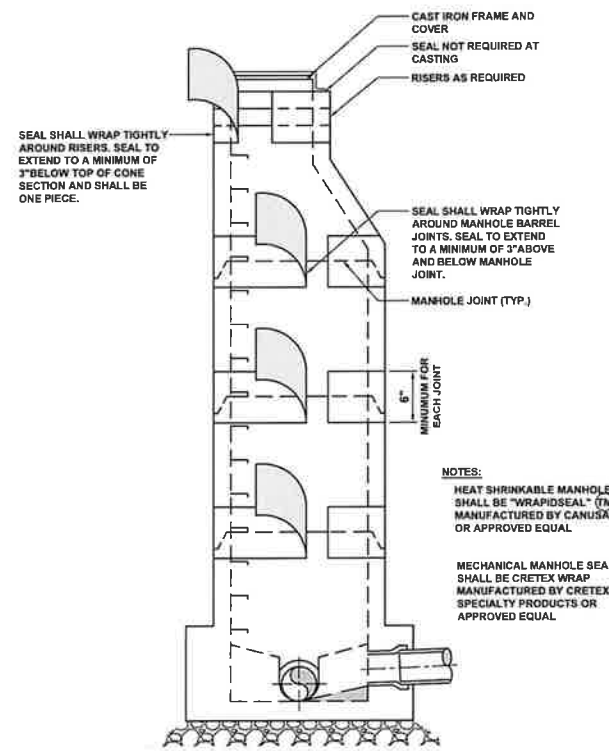
Municipal Authority Of The Township Of South Fayette 900 Presto Sygan Road Bridgeville, Pa 15017	LATERAL SITE TEE/CLEANOUT IN PAVED AREAS
Not to scale	January 2022
Standard Detail SD-035	



Municipal Authority Of The Township Of South Fayette 900 Presto Sygan Road Bridgeville, Pa 15017	OUTSIDE MANHOLE DROP CONNECTION
Not to scale	January 2022
Standard Detail SD-016	



Municipal Authority Of The Township Of South Fayette 900 Presto Sygan Road Bridgeville, Pa 15017	PRECAST CONCRETE MANHOLE FOR SEWERS 8" TO 18"
Not to scale	January 2022
Standard Detail SD-010	



Municipal Authority Of The Township Of South Fayette 900 Presto Sygan Road Bridgeville, Pa 15017	MANHOLE JOINT ENCAPSULATION SYSTEM
Not to scale	January 2022
Standard Detail SD-010-A	



REVISION RECORD

No. 01 WPP Updates
02 ACCD TECHNICAL NOTES RESPONSE
03 TOWNSHIP SUBMISSION

Date	By	Description
2025-11-11	JMG	WPP Updates
2025-12-10	JMG	ACCD TECHNICAL NOTES RESPONSE
2026-01-14	JMG	TOWNSHIP SUBMISSION

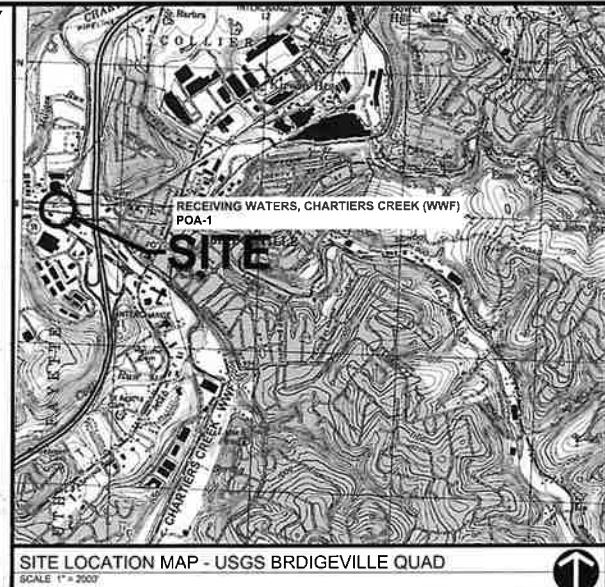
LAFAYETTE 180
NEWBURY DRIVE
CLUDDY, PA 15031
PREPARED FOR:
CE-SF, LP
295 MYCMA ROAD
MARKS, PA 16046

CONSTRUCTION DETAILS

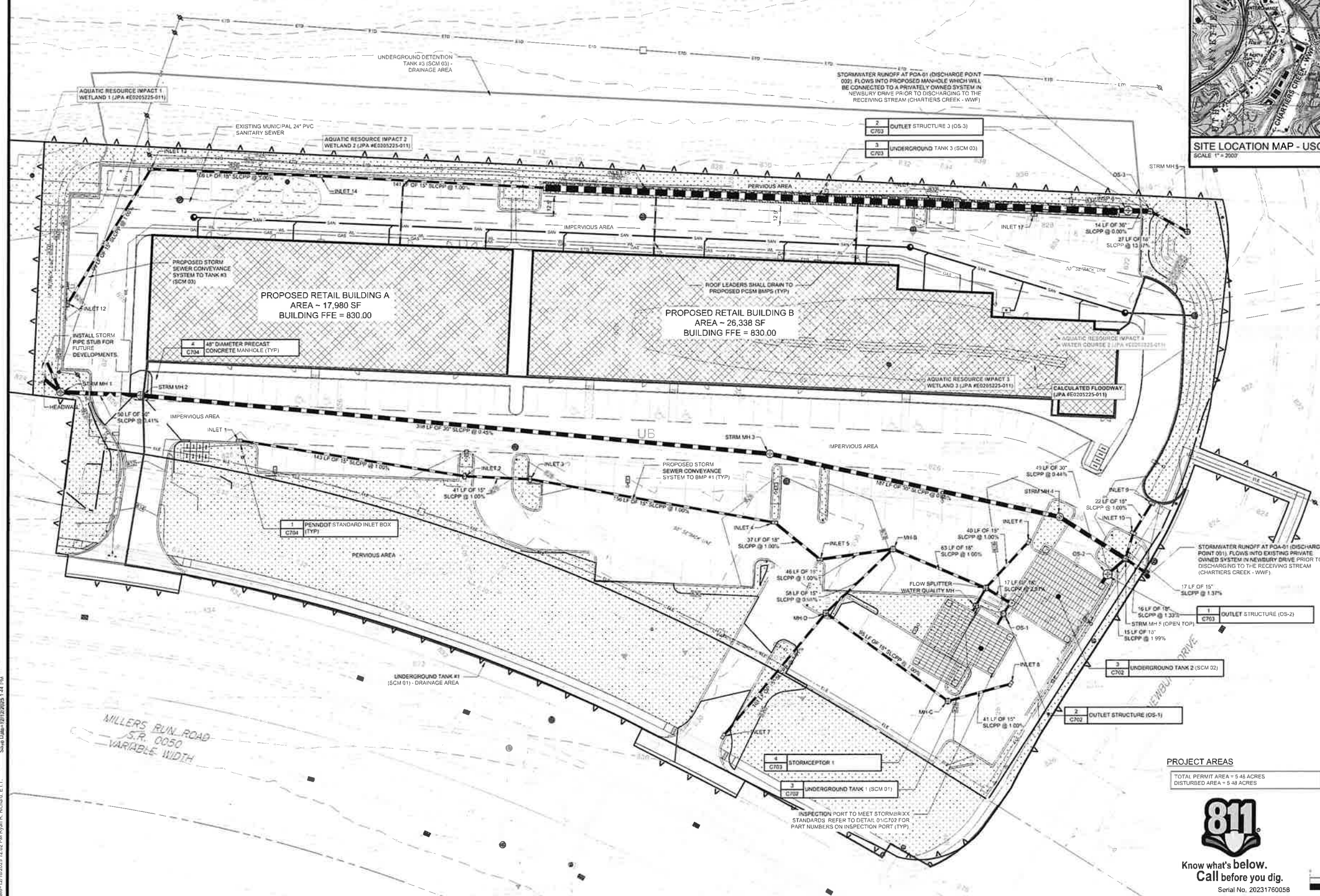
Project Number: C-12199-0025
Drawing Scale: N/A
Date Issued: AUG 2025
Index Number: -
Drawn By: MCL/RRR
Checked By: JMG
Project Manager: JMG

C603

THIS PLAN IS FOR POST CONSTRUCTION STORMWATER MANAGEMENT PURPOSES ONLY



GATEWAY ENGINEERS
A FULL-SERVICE CIVIL ENGINEERING FIRM



POST CONSTRUCTION STORMWATER MANAGEMENT LEGEND

1	PENNDOT STANDARD INLET BOX (C704)
2	CLEANOUT (C704)
3	PROPOSED 48" STORM MANHOLE (C704)
4	PROPOSED STORM LINE
5	SOIL BOUNDARIES
6	LIMITS OF DISTURBANCE / PERMIT BOUNDARY
7	AREAS TO BE PERMANENTLY SEEDDED
8	AQUATIC RESOURCE WETLANDS
9	AQUATIC RESOURCE WATER COURSE
10	AQUATIC RESOURCE FLOODWAY

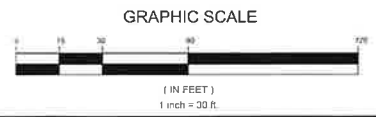
POST CONSTRUCTION STORMWATER MANAGEMENT NOTES:

- THE CONTRACTOR SHALL COMPLY AT ALL TIMES WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, PROVISIONS AND POLICIES GOVERNING SAFETY AND HEALTH INCLUDING THE FEDERAL CONSTRUCTION SAFETY ACT (PUBLIC LAW 91-594) FEDERAL REGISTER, CHAPTER XVI, PART 503 OF TITLE 29 REGULATIONS, OCCUPATIONAL SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION, AND SUBSEQUENT PUBLICATIONS UPDATING THESE REGULATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXAMINING THE AREAS AND CONDITIONS UNDER WHICH THE PROJECT IS TO BE CONSTRUCTED PRIOR TO THE SUBMISSION OF THE BID. SUBMISSION OF A BID SHALL BE CONSTRUED TO MEAN THE CONTRACTOR HAS REVIEWED THE SITE AND IS FAMILIAR WITH CONDITIONS AND CONSTRAINTS OF THE SITE.
- BEFORE EXCAVATION, ALL UNDERGROUND UTILITIES SHALL BE LOCATED IN THE FIELD BY THE PROPER AUTHORITIES. THE CONTRACTOR SHALL NOTIFY PENNSYLVANIA ONE CALL SYSTEMS, INC. AT 1-800-4-A-TITLE. THE LOCATION OF ALL UTILITIES AND UNDERGROUND STRUCTURES ARE APPROXIMATE AND MAY NOT ALL BE SHOWN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTENCE AND EXACT LOCATION OF ALL UTILITIES AND UNDERGROUND STRUCTURES.
- CONTRACTOR TO PROVIDE SHOP DRAWINGS ON ALL STORM SEWER MANHOLES, INLETS AND DETENTION SYSTEMS.
- AN AS-BUILT DRAWING OF NEW UTILITY SERVICES SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED TO THE OWNER UPON COMPLETION OF THE PROJECT.
- ALL STORM PIPE SHALL BE HDPE SMOOTH INTERIOR CORRUGATED POLYETHYLENE PIPE UNLESS OTHERWISE NOTED. ALL STORM SEWER CONSTRUCTION MATERIALS AND METHODS SHALL BE IN ACCORDANCE WITH PENNDOT SPECIFICATIONS. ALL JOINTS SHALL BE WATERTIGHT.
- CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION.
- THE CONTRACTOR SHALL ASSURE THAT THERE IS POSITIVE DRAINAGE TO THE INLETS UPON PLACEMENT OF NEW PAVEMENT.
- INLETS MUST BE SIZED TO ACCEPT THE SPECIFIED PIPE SIZES WITHOUT KNOCKING OUT ANY OF THE INLET CORNERS. ALL PIPES ENTERING OR EXISTING INLETS SHALL BE CUT FLUSH WITH THE INSIDE WALL OF THE INLET.
- NO PERSON SHALL MODIFY, REMOVE, FILL, LANDSCAPE, OR ALTER ANY SWM BMPs, FACILITIES, AREAS, OR STRUCTURES WITHOUT THE WRITTEN APPROVAL OF THE TOWNSHIP.
- CONTRACTOR IS REQUIRED TO NOTIFY AN ENVIRONMENTAL PROFESSIONAL (EP) PRIOR TO ANY EXCAVATION AND HAVE THEM ON-SITE TO OVERSEE ALL EXCAVATION AND HANDLING OF MATERIAL. THE CONTRACTOR SHALL REFER TO THE SOIL MANAGEMENT PLAN / MATERIAL MANAGEMENT PLAN PREPARED BY CHIRBA & ASSOCIATES, LLC, AND THE ON-SITE EP FOR THE REQUIRED SOIL HANDLING, STOCKPILE, DISPOSAL, ETC. PROCEDURES.

PROJECT AREAS
TOTAL PERMIT AREA = 5.48 ACRES
DISTURBED AREA = 5.48 ACRES



Serial No. 20231760058



REVISION RECORD

No.	Date	By	Rev.	Description
1	2025-11-11	CI	1	WPPP Update
2	2025-12-16	CE	1	ACCD TECHNICAL IMPROVEMENTS RESPONSE
3		UI		
4		UI		
5		UI		
6		UI		
7		UI		
8		UI		

LAFAYETTE 180
NEWBURY DRIVE
CUDDY, PA 15031
PREPARED FOR:
CE - SF, LP
295 MYOMA ROAD
MARS, PA 16046

POST CONSTRUCTION STORMWATER MANAGEMENT PLAN
Project Number: C-12199-0023
Drawing Scale: 1" = 30'
Date Issued: AUG 2025
Index Number:
Drawn By: MCL/RRR
Checked By: JMG
Project Manager: JMG
C700

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C:\Users\jmg\OneDrive\Documents\12199-0023-Stormwater Management Post-Construction Stormwater Management Plan.dwg
Scale: 1" = 30' (1/2" = 30')

MANAGEMENT OF SOIL
BECAUSE OF THE CONSTITUENTS OF CONCERN (COCs) DETECTED IN SOIL SAMPLES COLLECTED AT THE SITE, EXCAVATED SOIL THAT IS DETERMINED TO BE POTENTIALLY IMPACTED, WHETHER DISPOSED OFF-SITE OR USED AS CUT AND FILL MATERIAL, SHALL BE HANDLED IN ACCORDANCE WITH THE FOLLOWING PROTOCOL. THE EXISTING GRADING PLAN DOES NOT CALL FOR LARGE SCALE CUTTING AND FILLING ACTIVITIES. IN FACT, THE CONSTRUCTION PLAN CALLS FOR THE IMPORTATION OF LARGE AMOUNTS OF CLEAN FILL MATERIAL TO BE IMPORTED TO THE SITE TO RAISE THE GRADE OF THE ENTIRE SITE. HOWEVER, IF ANY SOIL IS EXCAVATED AT THE SITE, SPECIFIC STEPS MUST BE CONDUCTED TO ENSURE THAT ANY SOIL REMOVED FROM THE SITE IS MANAGED PROPERLY. THE FOLLOWING SECTIONS DETAIL THE REQUIRED ACTIONS THAT MUST BE TAKEN IF SOILS ARE EXCAVATED FOR THE INSTALLATION OF STORMWATER INFRASTRUCTURE, UTILITIES, FOOTER CONSTRUCTION OR ANY OTHER REASON OR IF CONTAMINATED SOIL IS UNEXPECTEDLY ENCOUNTERED ON ANY PART OF THE PROPERTY DURING CONSTRUCTION ACTIVITIES.

ENVIRONMENTAL OVERSIGHT
IF EXCAVATION WORK IS PERFORMED, AN ENVIRONMENTAL PROFESSIONAL (EP) SHOULD BE NOTIFIED PRIOR TO THE INITIATION OF EXCAVATION ACTIVITIES. THE ROLE OF THE EP IS TO ASSESS THE POTENTIAL FOR CONTAMINATION OF GROUNDWATER BY IMPACTED SOILS IS ENCOUNTERED. IF IMPACTED SOILS ARE ENCOUNTERED, THE DETERMINATION OF IMPACTED SOIL WILL BE BASED PRIMARILY ON THE DEPTH AND LOCATION OF THE EXCAVATION TO DETERMINE IF THE EXCAVATION WILL BE PERFORMED SOLELY IN THE RECENTLY PLACED SHALLOW CLEAN FILL MATERIAL OR IF IT WILL EXTEND DOWN INTO THE EXISTING SOIL. IF THE EXCAVATION IS DETERMINED TO BE ONLY IN THE CLEAN FILL MATERIAL, NO FURTHER OVERSIGHT WILL BE REQUIRED. IF THE ENVIRONMENTAL PROFESSIONAL DETERMINES THAT THE EXCAVATION IS DEEP ENOUGH, AND IN THE AREA OF THE OBSERVED ARSENIC EXCEEDANCE (AREA OF CONCERN), ADDITIONAL OVERSIGHT WILL BE REQUIRED. AND THE EP MUST BE PRESENT AT THE TIME OF EXCAVATION. THE FINAL DETERMINATION OF POTENTIALLY IMPACTED MATERIAL WILL BE BASED UPON VISUAL AND OLFACATORY CHARACTERISTICS AS WELL AS HEADSPACE READINGS OBTAINED USING A PHOTOIONIZATION DETECTOR (PID).

HANDLING OF CONTAMINATED SOIL
ONCE POTENTIALLY CONTAMINATED SOIL HAS BEEN REMOVED FROM THE GROUND, IT MUST BE HANDLED AS RESIDUAL WASTE. THIS WASTE MATERIAL MUST BE HANDLED IN A WAY THAT MINIMIZES THE POTENTIAL FOR CONTAMINATION MIGRATION. CONTAMINATED SOIL THAT HAS BEEN REMOVED FROM THE GROUND MUST NOT COME IN CONTACT WITH OTHER SOILS ON THE SITE. THEREFORE, THIS SOIL MUST BE STOCKPILED ON PLASTIC. THE PLASTIC MUST BE A MINIMUM OF 6-MIL IN THICKNESS AND IT MUST BE PLACED IN AN AREA THAT IS NOT PROXIMATE TO SIGNIFICANT AMOUNTS OF SURFACE WATER RUNOFF.

SOIL STOCKPILE MANAGEMENT
CONTAMINATED SOILS MUST BE STORED IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF 25 PA CODE §299.101-299.154 OF THE WASTE MANAGEMENT REGULATIONS. IN ADDITION TO THE GENERAL REQUIREMENTS SET FORTH IN §299.132, THE CONTAMINATED SOIL PILLS WILL BE COMPLETELY AND SECURELY COVERED, FOR THE DURATION OF THE STORAGE PERIOD WITH AN IMPERMEABLE MATERIAL OF SUFFICIENT STRENGTH, THICKNESS, ANCHORING OR WEIGHTING TO PREVENT TEARING OR LIFTING OF THE COVER, INFILTRATION OF PRECIPITATION OR SURFACE WATER RUN-OFF, AND EXPOSURE OF THE SOIL TO THE ATMOSPHERE. STEPS MUST ALSO BE TAKEN TO DETTER PUBLIC ACCESS TO THE STORAGE PILLS. THIS MAY INCLUDE FENCING, SIMILAR BARRIERS, SECURITY PATROLS OR WARNING SIGNS.

DISPOSAL OF SOIL
PRIOR TO DISPOSAL OF POTENTIALLY CONTAMINATED SOIL, AN EVALUATION MUST BE CONDUCTED TO DETERMINE WHETHER THE SOIL CAN BE USED AS CLEAN FILL OR IF IT MUST BE MANAGED AS REGULATED FILL AS PER THE PADEP MANAGEMENT OF FILL POLICY, DATED JANUARY 16, 2021 (DOCUMENT # 258-2182-773).

IN THE MANAGEMENT OF FILL POLICY DOCUMENT "CLEAN FILL" IS DEFINED AS "UNCONTAMINATED, NON-WATER SOLUBLE, NON-DECOMPOSABLE, INERT SOLID MATERIAL USED TO LEVEL AND AREA OR BRING AN AREA TO GRADE." TO BE CONSIDERED "CLEAN FILL" THE MATERIAL MUST NOT EXCEED THE NUMERIC VALUES SPECIFIED IN TABLE 3 (MEDIUM SPECIFIC CONCENTRATIONS (MSCS)) FOR ORGANIC REGULATED SUBSTANCES IN SOIL AND TABLE 4 (MSCS) FOR INORGANIC REGULATED SUBSTANCES IN SOIL OF APPENDIX A IN 25 PA. CODE CHAPTER 250 (RELATED TO ADMINISTRATION OF THE SOIL AND RECYCLING PROGRAM). THE APPLICABLE NUMERIC CLEAN FILL CONCENTRATION LIMIT IS DETERMINED BY COMPARISON OF THE DETECTED CONTAMINANT CONCENTRATIONS WITH THE LOWER OF THE GENERIC SOIL TO GROUNDWATER VALUE MSC OR THE DIRECT CONTACT RESIDENTIAL MSC.

PURSUANT TO 25 PA. CODE §§ 272.101(b)(1) AND 287.101(b)(1), USE OF CLEAN FILL DOES NOT REQUIRE A PERMIT UNDER THE SWMA OR THE MUNICIPAL OR RESIDUAL WASTE REGULATIONS. CLEAN FILL MAY BE USED IN ACCORDANCE WITH ALL APPLICABLE REQUIREMENTS GOVERNING THE PLACEMENT OR USE OF CLEAN FILL, INCLUDING 25 PA. CODE CHAPTER 102 (RELATING TO EROSION AND SEDIMENT CONTROL) AND 25 PA. CODE CHAPTER 105 (RELATING TO DAM SAFETY AND WATERWAY MANAGEMENT). PERSONS USING CLEAN FILL MUST ALSO COMPLY WITH THE FUGITIVE EMISSIONS REGULATIONS UNDER 25 PA. CODE CHAPTER 123 (RELATING TO STANDARDS FOR CONTAMINANTS) ISSUED UNDER THE AIR POLLUTION CONTROL ACT. THE USE OF CLEAN FILL MAY BE REGULATED UNDER OTHER ENVIRONMENTAL LAWS AND REGULATIONS.

THEFORE, THE CLEAN FILL ELIGIBILITY DETERMINATION MAY INCLUDE, AMONG OTHER THINGS, ANALYZING SAMPLES FOR THE PARAMETERS LISTED IN TABLE 1 OF THE GUIDANCE TO DETERMINE IF THE FILL CONTAINS CONTAMINANT CONCENTRATIONS WHICH EXCEED THE (CCLs, WHICH THE GUIDANCE DEFINES AS WITH THE EXEMPTION OF PCBs AND CHLORIDE, THE CONCENTRATIONS OF REGULATED SUBSTANCES THAT DO NOT EXCEED THE NUMERIC VALUES SPECIFIED IN TABLE 3 (MEDIUM SPECIFIC CONCENTRATIONS (MSCS)) FOR ORGANIC REGULATED SUBSTANCES IN SOIL AND TABLE 4 (MEDIUM-SPECIFIC CONCENTRATIONS (MSCS)) FOR INORGANIC REGULATED SUBSTANCES IN SOIL OF APPENDIX A IN 25 PA. CODE 258-2182-773 / JANUARY 16, 2021 / PAGE 08 CHAPTER 250 (RELATING TO ADMINISTRATION OF LAND RECYCLING PROGRAM).

IF THE SOIL DOES NOT MEET THE DEFINITION OF CLEAN FILL OR IF THE CONCENTRATIONS EXCEED THE CCLs, THE MATERIAL MUST BE MANAGED IN ACCORDANCE WITH THE DEPARTMENT'S MUNICIPAL OR RESIDUAL WASTE REGULATIONS, 25 PA. CODE §§ 272.1 AND § 287.2.

REGULATED FILL IS DEFINED AS FILL MATERIAL THAT HAS BEEN AFFECTED BY A RELEASE OF A REGULATED SUBSTANCE AND IS NOT "UNCONTAMINATED MATERIAL" AS DEFINED IN THE MANAGEMENT OF FILL POLICY DOCUMENT. FILL THAT IS DETERMINED TO BE "REGULATED FILL" CAN BE USED BY PERSONS WHO HAVE APPLIED FOR AND OBTAINED COVERAGE UNDER THE PADEP'S GENERAL PERMIT PERMITTING REQUIREMENTS. IN ADDITION, THE WASTE TRANSPORTATION SAFETY ACT (ACT 90 OF 2002, CHAPTER REQUIRES ALL WASTE TRANSPORTATION VEHICLES (TRUCKS AND TRUCK TRAILERS WITH A REGISTERED GROSS VEHICLE WEIGHT GREATER THAN 17,000 LBS., AND TRAILERS WITH A REGISTERED GROSS VEHICLE WEIGHT GREATER THAN 10,000 LBS.) TRANSPORTING MUNICIPAL OR RESIDUAL WASTE TO WASTE PROCESSING OR DISPOSAL FACILITIES IN PENNSYLVANIA TO HAVE A VALID WASTE TRANSPORTER AUTHORIZATION. THEREFORE, ACT 90 CERTIFIED TRUCKS WOULD BE REQUIRED TO TRANSPORT THE REGULATED FILL MATERIAL.

MANAGEMENT OF CONTAMINATED GROUNDWATER
BECAUSE OF THE AFOREMENTIONED CONSTITUENTS OF CONCERN (COCs) DETECTED IN GROUNDWATER SAMPLES COLLECTED AT THE SITE, ALL GROUNDWATER BROUGHT TO THE SURFACE DURING DEWATERING ACTIVITIES SHOULD BE HANDLED IN ACCORDANCE WITH THE FOLLOWING PROTOCOL. THE EXISTING GRADING PLAN DOES NOT CALL FOR LARGE SCALE CUTTING AND FILLING ACTIVITIES. IN FACT, THE CONSTRUCTION PLAN CALLS FOR THE IMPORTATION OF LARGE AMOUNTS OF CLEAN FILL MATERIAL TO BE IMPORTED TO THE SITE TO RAISE THE GRADE OF THE ENTIRE SITE. THEREFORE, IT IS UNLIKELY THAT GROUNDWATER WILL BE ENCOUNTERED. HOWEVER, IF ANY GROUNDWATER IS BROUGHT TO THE SURFACE, SPECIFIC STEPS MUST BE CONDUCTED TO ENSURE THAT ANY GROUNDWATER REMOVED FROM THE SITE IS MANAGED PROPERLY. THE FOLLOWING SECTIONS DETAIL THE REQUIRED ACTIONS THAT MUST BE TAKEN IF GROUNDWATER IS BROUGHT TO THE SURFACE FOR THE INSTALLATION OF STORMWATER INFRASTRUCTURE, UTILITIES, FOOTER CONSTRUCTION OR ANY OTHER REASON OR IF CONTAMINATED GROUNDWATER IS UNEXPECTEDLY ENCOUNTERED ON ANY PART OF THE PROPERTY DURING CONSTRUCTION ACTIVITIES.

ENVIRONMENTAL OVERSIGHT
IF DEWATERING WORK IS PERFORMED, AN ENVIRONMENTAL PROFESSIONAL (EP) SHOULD BE NOTIFIED PRIOR TO THE INITIATION OF DEWATERING ACTIVITIES. THE ROLE OF THE EP IS TO ASSESS THE GROUNDWATER TO DETERMINE WHETHER THE GROUNDWATER IS IMPACTED AND TO ENSURE THAT IF IMPACTED GROUNDWATER IS ENCOUNTERED, IT IS HANDLED PROPERLY. THE DETERMINATION OF IMPACTED GROUNDWATER WILL BE BASED UPON VISUAL, I.E., IDENTIFICATION OF A SHEEN, AND OLFACATORY OBSERVATIONS. IN ADDITION, A GRAB SAMPLE OF THE COLLECTED GROUNDWATER SHALL BE COLLECTED FOR WASTE CHARACTERIZATION PURPOSES.

HANDLING OF CONTAMINATED GROUNDWATER
ONCE CONTAMINATED GROUNDWATER HAS BEEN REMOVED FROM THE GROUND, IT MUST BE HANDLED PROPERLY. THIS WASTE MATERIAL MUST BE HANDLED IN A WAY THAT MINIMIZES THE POTENTIAL FOR CONTAMINATION MIGRATION. CONTAMINATED GROUNDWATER THAT HAS BEEN REMOVED FROM THE GROUND MUST NOT COME IN CONTACT WITH SITE SOILS, GROUNDWATER OR SURFACE WATER ON THE SITE. THEREFORE, THE COLLECTED GROUNDWATER MUST BE STORED IN A WATER-TIGHT CONTAINER. WHILE CONTAINING CONTAMINATED GROUNDWATER, THE COLLECTION TANK SHOULD BE INSPECTED DAILY FOR EVIDENCE OF LEAKS. THE CONTENTS OF THE COLLECTION TANK MUST BE PROPERLY PROVIDED BEFORE EMPLOYING THE TANK INTO A TANKER TRUCK FOR OFF-SITE DISPOSAL OR RECYCLING AT A LICENSED FACILITY.

AS DISCUSSED ABOVE, THE WASTE TRANSPORTATION SAFETY ACT (ACT 90 OF 2002, CHAPTER REQUIRES ALL WASTE TRANSPORTATION VEHICLES (TRUCKS AND TRUCK TRAILERS WITH A REGISTERED GROSS VEHICLE WEIGHT GREATER THAN 17,000 LBS., AND TRAILERS WITH A REGISTERED GROSS VEHICLE WEIGHT GREATER THAN 10,000 LBS.) TRANSPORTING MUNICIPAL OR RESIDUAL WASTE TO WASTE PROCESSING OR DISPOSAL FACILITIES IN PENNSYLVANIA TO HAVE A VALID WASTE TRANSPORTER AUTHORIZATION. THEREFORE, ACT 90 CERTIFIED TRUCKS WOULD BE REQUIRED TO TRANSPORT THE IMPACTED GROUNDWATER AS WELL. IN ADDITION, THE WATER WOULD NEED TO BE DISPOSED OF AT A PERMITTED DISPOSAL FACILITY FOLLOWING ALL APPLICABLE PERMIT REQUIRED CHARACTERIZATION/APPROVAL REQUIREMENTS.

HEALTH & SAFETY PLAN
BECAUSE THERE WAS NOT A SINGLE DETECTION OF ANY COMPOUND IN ANY OF THE 36 SOIL SAMPLES DETECTED ABOVE THE NON-RESIDENTIAL DIRECT CONTACT MSC, THE RISK OF SERIAL CONTACT OR INCIDENTAL INGESTION IS CONSIDERED EXTREMELY MINIMAL. THEREFORE, A HEALTH & SAFETY PLAN IS NOT REQUIRED FOR THE RISK OF SERIAL CONTACT AND INCIDENTAL INGESTION OF CONTAMINATED SOIL FOR CONSTRUCTION WORKERS.

IN ADDITION, THE ONLY EXCEEDANCE OF GROUNDWATER MSC WAS THE DETECTION OF MANGANESE IN TWO OF THE GROUNDWATER SAMPLES COLLECTED DURING THE 2023 PHASE II ESA. THE RESPECTIVE MSC IN THIS CASE, WAS ESTABLISHED BY THE PADEP BASED UPON THE LIFETIME HEALTH ADVISORY LEVEL, WHICH IS A GUIDELINE ISSUED BY THE USEPA FOR THE LEVEL OF A DRINKING WATER CONTAMINANT BELOW WHICH ABOVE HEALTH EFFECTS ARE NOT ANTICIPATED OVER A PERSON'S LIFETIME. THEREFORE, THIS MSC WAS BASED ON THE RISK OF UTILIZING A PARTICULAR WATER SOURCE AS A PRIMARY DRINKING SOURCE OVER A STANDARD LIFETIME OF A PERSON. THE MSC IS NOT AN INDICATOR OF RISK FOR SERIAL EXPOSURE TO A CONSTRUCTION WORKER IN A SHORT-TERM CONSTRUCTION PROJECT. COUPLED WITH THE FACT THAT THE WATER TABLE WILL MOST LIKELY NOT BE ENCOUNTERED DURING CONSTRUCTION ACTIVITIES, THERE IS NO NEED FOR A SPECIFIC HEALTH AND SAFETY PLAN FOR THE POTENTIAL EXPOSURE OF MANGANESE IN GROUNDWATER.

HOWEVER, A PROJECT-SPECIFIC HEALTH & SAFETY PLAN SHOULD BE PREPARED BY EACH CONTRACTOR TO ENSURE THE GENERAL SAFETY OF THE CONSTRUCTION WORKERS. A SITE-SPECIFIC HEALTH AND SAFETY PLAN (HASP) WILL BE PREPARED BY THE CONTRACTOR AND SUBCONTRACTORS FOR USE BY ITS PERSONNEL AT THE SUBJECT PROPERTY, WHICH WILL DETAIL HEALTH AND SAFETY PROCEDURES TO BE FOLLOWED DURING CONSTRUCTION ACTIVITIES AT THE SITE. HASPs THAT INCLUDE PERSONNEL TRAINING RECORDS MUST BE PROVIDED TO THE OWNER'S REPRESENTATIVE AT LEAST ONE WEEK PRIOR TO THE COMMENCEMENT OF ACTIVITIES AT THE SUBJECT PROPERTY AND MUST BE MAINTAINED ON-SITE FOR THE DURATION OF THE CONTRACTOR OR SUBCONTRACTOR IS PERFORMING THEIR ACTIVITIES.

ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE OSHA STANDARDS AND OSHA WORKER SAFETY REQUIREMENTS. IN ACCORDANCE WITH PENNSYLVANIA LAW, PERSONNEL CONDUCTING EARTHWORK ACTIVITIES AT THE SUBJECT PROPERTY SHOULD, AT A MINIMUM, RECEIVE OSHA 10-HOUR AND 30-HOUR TRAINING PRIOR TO PERFORMING SITE WORK.

BASED ON THE KNOWN CONTAMINANT CONCENTRATIONS, SITE WORKERS SHOULD WEAR LEVEL D PERSONAL PROTECTIVE EQUIPMENT (PPE), WHICH GENERALLY INCLUDES SAFETY GLASSES, GLOVES, BOOTS, AND A HARD HAT, IF NECESSARY. PPE LEVELS SHOULD BE RECONSIDERED AND MODIFIED DEPENDING ON THE CONDITIONS ENCOUNTERED AS THE PROJECT PROGRESSES. THE CONTRACTOR AND ITS SUBCONTRACTORS ARE RESPONSIBLE FOR MEETING AND ADHERING TO ALL APPLICABLE OSHA REQUIREMENTS.

PERMANENT SEEDING SPECIFICATIONS

	MATERIALS:
TOPSOIL	6" (MINIMUM) TOPSOIL SHALL BE REQUIRED ON ALL LAWN AREAS.
LIMESTONE	RAW, GROUND AGRICULTURAL LIMESTONE CONTAINING MORE THAN 90 PERCENT CALCIUM CARBONATES (ADJUST pH LEVELS TO 6.5 TO 7.0) APPLIED AT A RATE OF 6 TONS/AC (240 LB/1000 SF) UNLESS OTHERWISE INDICATED BY SOIL TESTS.
COMMERCIAL FERTILIZER	IN THE ABSENCE OF A SOIL TEST, USE 1000 LB/AC OF 10-10-20 (25 LB/1000 SF) MIXED WITH SEEDS PRIOR TO SEEDING, OR IN A TANK WITH SEED WHEN HYDROSEEDING.
INOCULANT	INOCULANT FOR TREATING LEGUMINOUS SEEDS SHALL BE A STANDARD COMMERCIAL PRODUCT CONSISTING OF A SUITABLE CARRIER CONTAINING A CULTURE OF NITROGEN FIXING BACTERIA SPECIFIC FOR SEEDS TO BE INOCULATED. INOCULANT SHALL NOT BE USED LATER THAN DATE INDICATED ON THE CONTAINER.
MULCH	CLEAN OAT OR WHEAT STRAW SHALL BE FREE FROM MATURE SEED-BEARING STALKS OR ROOTS OF PROHIBITED OR NOXIOUS WEEDS AS DEFINED BY THE PENNSYLVANIA SEED ACT 1947. APPLY AT A RATE OF 150 POUNDS PER 1,000 SQUARE FEET (3 TONS PER ACRE). PRECAUTIONS SHALL BE TAKEN TO STABILIZE MULCH UNTIL THE VEGETATIVE COVER IS ESTABLISHED.
SEED MIXTURE	SEED MIXTURE SHALL BEAR A GUARANTEED STATEMENT OF ANALYSIS AND SHALL BE COMPOSED OF THE FOLLOWING VARIETIES AND MIXED IN PROPORTIONS SPECIFIED
PERMANENT SEEDING	ERNST SEED MIX ERNAX-113 5 LBS PER 1,000 SF OR 150 LBS PER ACRE
PREPARATION OF SEEDING	GRADE AS NECESSARY TO BRING SUBGRADE TO A TRUE, SMOOTH SLOPE PARALLEL TO AND SIX INCHES BELOW FINISHED GRADE. PLACE TOPSOIL OVER SPECIFIED AREAS TO A DEPTH SUFFICIENTLY GREATER THAN SIX (6) OR EIGHT (8) INCHES SO THAT AFTER SETTLEMENT AND LIGHT ROLLING, THE COMPLETE WORK WILL CONFORM TO LINES, GRADES AND ELEVATIONS SHOWN. FERTILIZER AND AGRICULTURAL LIMESTONE SHALL BE THOROUGHLY INCORPORATED INTO THE SOIL BY ROTOTILLING OR OTHER METHOD TO A MINIMUM DEPTH OF FOUR (4) INCHES. THE ENTIRE SURFACE SHALL THEN BE REGRADED AND ROLLED. AREAS TO BE SEEDING SHALL THEN BE LOOSENEED TO A DEPTH OF TWO (2) INCHES. SEEDING SHALL BE DONE IN TWO SEPARATE OPERATIONS. THE SECOND SEEDING SHALL BE DONE IMMEDIATELY AFTER THE FIRST AND AT RIGHT ANGLES TO THE FIRST SEEDING AND LIGHTLY RAKED INTO THE SOIL. MULCH SEEDING AREAS IMMEDIATELY AFTER SEEDING.

STEEP SLOPE SEEDING SPECIFICATIONS:

(STEEP SLOPE MIX - SLOPES STEEPER THAN 3:1)

	MATERIALS:
TOPSOIL	3" (MINIMUM) TOPSOIL SHALL BE REQUIRED ON SLOPES STEEPER THAN 3:1.
LIMESTONE	RAW, GROUND AGRICULTURAL LIMESTONE CONTAINING MORE THAN 90 PERCENT CALCIUM CARBONATES (ADJUST pH LEVELS TO BETWEEN 6.5 TO 7.0). APPLY AT A RATE OF 6 TONS PER ACRE (275 POUNDS PER 1,000 SQUARE FEET) UNLESS INDICATED OTHERWISE BY SOIL TESTS.
COMMERCIAL FERTILIZER	IN THE ABSENCE OF A SOIL TEST, USE 1000 POUNDS 10-20-20 PER ACRE (22 POUNDS PER 1000 SQUARE FEET) MIXED INTO SEEDBED PRIOR TO SEEDING, OR IN A TANK WITH SEED WHEN HYDROSEEDING.
INOCULANT	INOCULANT FOR TREATING LEGUMINOUS SEEDS SHALL BE A STANDARD COMMERCIAL PRODUCT CONSISTING OF A SUITABLE CARRIER CONTAINING A CULTURE OF NITROGEN FIXING BACTERIA SPECIFIC FOR SEEDS TO BE INOCULATED. INOCULANT SHALL NOT BE USED LATER THAN DATE INDICATED ON THE CONTAINER. IF A HYDRAULIC METHOD OF APPLICATION IS USED, INCREASE INOCULANT FOUR (4) TIMES NORMAL APPLICATION RATES.
MULCH	CLEAN OAT OR WHEAT STRAW SHALL BE FREE FROM MATURE SEED-BEARING STALKS OR ROOTS OF PROHIBITED OR NOXIOUS WEEDS AS DEFINED BY THE PENNSYLVANIA SEED ACT OF 1947. APPLY AT A RATE OF 150 POUNDS PER 1,000 SQUARE FEET (3 TONS PER ACRE). PRECAUTIONS SHALL BE TAKEN TO STABILIZE MULCH UNTIL THE VEGETATIVE COVER IS ESTABLISHED. STRAW SHALL BE CHIPPED, FACIATED, NETTED OR OTHERWISE ANCHORED.
SEED MIXTURE	SEED MIXTURE SHALL BEAR A GUARANTEED STATEMENT OF ANALYSIS AND SHALL BE COMPOSED OF THE FOLLOWING VARIETIES AND MIXED IN PROPORTIONS SPECIFIED
SEEDING RATES	ERNST SEED MIX ERNAX-186 6 LBS PER 1,000 SF

ALL AREAS TO BE SEEDING SHALL BE SCARIFIED TO A MINIMUM DEPTH OF AT LEAST THREE INCHES PARALLEL TO CONTOURS BY MECHANICAL MEANS AS APPROVED BY THE LANDSCAPE ARCHITECT. THE COMMERCIAL FERTILIZER AND AGRICULTURAL GROUND LIMESTONE MAY BE SPREAD EVENLY ON AREAS TO BE SEEDING PRIOR TO TILLAGE AND INCORPORATED INTO THE SOIL AT THE SAME TIME.

MULCH SEEDING AREAS IMMEDIATELY AFTER SEEDING.

SEED ALL SLOPES STEEPER THAN 3:1 WITH STEEP SLOPE MIX UNLESS NOTED OTHERWISE ON THE DRAWINGS

PERMANENT SEEDING SPECIFICATIONS

SITE SOIL TYPES:

SYMBOL	DESCRIPTION	SLOPE	LIMITATIONS	REMEDIAL ACTIONS
URBAN LAND	GENTLY	URBAN LAND	• OUTBANKS CAVE • CORROSION TO CONCRETE AND STEEL • HAZARD OF EROSION • SEASONAL HIGH WATER TABLE • FERTILITY • LANDSLIDES • SLOW PERCOLATION • PIPING • POOR SOURCES OF TOPSOIL • FROST ACTION • SHRINK SWELL • POTENTIAL SINKHOLE • SLOPE • SUSCEPTIBILITY TO SLIPS	SOILS SUSCEPTIBLE TO HIGH WATER TABLES AND/OR PIPING AND SEEPING. * PROVIDE PUMPED WATER SEDIMENT REMOVAL FACILITIES * USE CLAY EMBANKMENT CORES * UTILIZE ANTI-SLEEP COLLARS OR GRAVEL PACKS: SOILS SUSCEPTIBLE TO MODERATE OR HIGH EROSION POTENTIAL: * LIMIT TIME OF EXPOSURE * USE EROSION CONTROL BLANKETS * SELECTION OF SEED MIXTURES WITH RAPIDLY GERMINATING SPECIES * FODDING * USE OF SPECIAL STABILIZATION PRODUCTS (E.G. CELLULAR GRIDS, INTERLOCKING CONCRETE BLOCKS,) SOILS SUSCEPTIBLE TO SLIPS & LANDSLIDES * PREVENT SATURATION OF SLOPES. * PROVIDE ANCHORING OR RETAINING SYSTEMS * PROVIDE BENCHING TO CATCH FALLING DEBRIS * PROVIDE TRENCH BOXES FOR UTILITY INSTALLATION SOILS CORROSIVE TO CONCRETE/STEEL: * MINIMIZE THE AMOUNT OF SOIL DISTURBANCE. * PROVIDE PROTECTIVE COATING TO CONCRETE AND STEEL. * PROVIDE EXTRA CONCRETE AND STEEL THICKNESS

A GEOTECHNICAL ENGINEER WILL REVIEW THE SOIL CAPABILITY OF THE SITE AND MAKE RECOMMENDATIONS TO THE OWNER. SOILS HAVING UNSTABLE COMPOSITION, SLIP AND LANDSLIDE POTENTIAL ARE NOT TO BE PLACED AS FILL MATERIAL AT AREAS HAVING 2:1 SLOPES OR NEAR PROXIMITY TO SUCH SLOPES. LOADING PLANES OF SUCH PLACED FILL SHALL BEAR ON SUITABLE SOILS KEPT TO VIRGIN SOILS. REFER TO CUT/FILL DETAILS ON PLANS ALL CUT SITUATIONS THAT EXPOSE SUCH SOILS TO UNSUPPORTED BEARING BASES REQUIRES THOSE SOILS TO BE EXCAVATED AND REPLACED WITH SUITABLE SOILS THAT DO NOT HAVE THE MENTIONED CHARACTERISTICS.

SITE SOIL DATA

RECYCLING/DISPOSAL OF WASTE

UPON COMPLETION OF THE PROJECT, RECYCLING OR DISPOSAL OF ALL WASTE MATERIALS SHALL BE THE RESPONSIBILITY OF THE EARTHMOVING CONTRACTOR. CONSTRUCTION WASTE INCLUDES, BUT IS NOT LIMITED TO, EXCESS SOIL MATERIALS, Silt REMOVED FROM EROSION CONTROL FACILITIES, EXCESS BUILDING MATERIALS, CONCRETE WASH WATER, SANITARY WASTE, AND OBSOLETE EROSION CONTROL MATERIALS (SILT FENCE, SILT BAGS, ETC.)

SILT REMOVED FROM SEDIMENT CONTROL FACILITIES SHALL BE SPREAD ON THE TOPSOIL STOCKPILE, OR IN LAWN OR LANDSCAPE AREAS. OBSOLETE EROSION CONTROL MATERIALS AND EXCESS BUILDING MATERIALS MUST BE DISPOSED OF AT A DEP APPROVED SITE.

RECYCLING / DISPOSAL OF WASTES

CONSTRUCTION STAGING

- NOTE FOR ALL DISTURBED AREAS, AS SOON AS SLOPES, CHANNELS, DITCHES, AND OTHER DISTURBED AREAS REACH FINAL GRADE THEY MUST BE STABILIZED. UPON COMPLETION OF TEMPORARY CESSATION OF EARTH DISTURBANCE ACTIVITY, OR ANY STAGE THEREOF, THE PROJECT SITE SHALL BE IMMEDIATELY STABILIZED. NO MORE THAN FIVE (5) SQUARE FEET OF DISTURBED AREA SHALL BE MAINTAINED FOR LONGER THAN 14 DAYS PRIOR TO THE START OF CONSTRUCTION OPERATIONS.
- ALL CONSTRUCTION SHALL TAKE PLACE WITHIN THE LIMITS OF DISTURBANCE AS NOTED ON THE DRAWING.
- VEGETATED AREAS MUST ACHIEVE A MINIMUM UNIFORM 70% PERENNIAL VEGETATIVE COVER OVER THE ENTIRE DISTURBED AREA PRIOR TO REMOVAL OF ANY E&S BMP'S. CONTACT THE ALLEGHENY COUNTY CONSERVATION DISTRICT FOR THEIR APPROVAL TO REMOVE THE PARTICULAR CONTROL MEASURES.
- WHEN CLEANING EXCESS SEDIMENT FROM THE E&S CONTROL FACILITIES, PLACE SEDIMENTS IN GRASS AREAS WHICH DO NOT RECEIVE CONCENTRATED STORM FLOWS AND ARE CONTROLLED BY BMP'S (WITHIN LIMITS OF DISTURBANCE). THEN SEED OVER AREA USING SEEDING SPECIFICATIONS.
- A LOG SHOWING DATES THAT E&S BMP'S WERE INSPECTED, AS WELL AS ANY DEFICIENCIES FOUND AND THE DATE THEY WERE CORRECTED SHALL BE MAINTAINED ON SITE AND BE MADE AVAILABLE TO REGULATORY AGENCY OFFICIALS AT THE TIME OF INSPECTION.
- EXCESS TOPSOIL THAT WILL NOT BE RE-SPREAD ON SITE SHALL BE DISPOSED OF AT A PA DEP APPROVED WASTE FACILITY.
- ALL DISTURBED AREAS WHICH ARE AT FINAL GRADE AND WILL NOT BE FURTHER DISTURBED SHALL BE SEED PER THE PERMANENT SEEDING SPECIFICATIONS.
- ALL OTHER DISTURBED AREAS THAT WILL NOT RECEIVE ADDITIONAL WORK FOR A PERIOD OF MORE THAN 4 DAYS SHALL BE SEED PER THE TEMPORARY SEEDING SPECIFICATIONS.
- AREAS WHICH ARE TO BE TOPSOILED SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 3-5 INCHES (6-12 INCHES ON COMPACTED SOILS) PRIOR TO PLACEMENT OF TOPSOIL. AREAS TO BE VEGETATED SHALL HAVE A MINIMUM 4 INCHES OF TOPSOIL IN PLACE PRIOR TO SEEDING AND MULCHING. HILL OUTSLOPES SHALL HAVE A MINIMUM OF 2 INCHES OF TOPSOIL. DISTURBED AREAS SHALL BE ANCHORED IN PLACE WITH HYDROSEED AND TACKIFIER. SEED UNTIL VEGETATIVE COVER IS A UNIFORM COVERAGE OR DENSITY OF SEVENTY PERCENT (70%) ACROSS THE ENTIRE DISTURBED AREA.
- ANY SEDIMENT THAT ENTERS INLETS DURING CONSTRUCTION IS TO BE REMOVED WITHIN 24 HOURS.

CONSTRUCTION SEQUENCE

THE LAFAYETTE 180 PROJECT WILL CONSIST OF A NEW PLANNED SHOPPING CENTER, PARKING LOTS, ACCESS DRIVES, UTILITY INSTALLATION, LANDSCAPING, AND E&S/PCSM BMP'S. ALL E&S AND PCSM FACILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THE APPROVED E&S/PCSM PLAN AND THE DEP EROSION AND SEDIMENT POLLUTION CONTROL PROGRAM MANUAL, DATED MARCH, 2012 OR LATEST VERSION.

A GENERALIZED CONSTRUCTION SEQUENCE IS PROVIDED BELOW. THE CONSTRUCTION SEQUENCE IS INTENDED TO PROVIDE A GENERAL COURSE OF ACTION IN ORDER TO CONFORM TO THE APPLICABLE REGULATORY AGENCY REQUIREMENTS FOR TEMPORARY AND PERMANENT SOIL EROSION AND SEDIMENT POLLUTION CONTROL. ALL NECESSARY PERMITS FOR PROPER AND COMPLETE EXECUTION OF WORK PERTAINING TO THIS PLAN, WHETHER SPECIFICALLY MENTIONED OR NOT, ARE TO BE PERFORMED BY THE CONTRACTOR. IT IS NOT INTENDED THAT THE DRAWINGS AND THIS REPORT SHOW EVERY DETAIL OF MATERIAL OR EQUIPMENT. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS LISTED IN THIS SECTION. THE CONTRACTOR WILL BE REQUIRED TO ALTER CONTROLS BASED ON EFFECTIVENESS OF CONTROLS OR DIFFERING CONDITIONS ENCOUNTERED.

1. CONTRACTOR SHALL CONTACT CE-SF, LP, SOUTH FAYETTE TOWNSHIP ENGINEER, PROFESSIONAL ENGINEER, AND THE ALLEGHENY COUNTY CONSERVATION DISTRICT TO SETUP A PRE-CONSTRUCTION MEETING AT THE PROJECT SITE WITH THE PCSM PLAN AND THE PCSM PLAN. REFER TO UTILITY LISTS FOR THE START OF CONSTRUCTION ACTIVITIES.
2. STAKE OUT LIMIT OF DISTURBANCE FOR GRADING OPERATIONS FOR THE ENTIRE SITE.
3. ORANGE CONSTRUCTION FENCE SHALL BE PLACED AROUND ANY AND ALL ENVIRONMENTAL FEATURES TO BE PROTECTED ON THE SITE.
4. INSTALL THE ROCK CONSTRUCTION ENTRANCE OFF NEWBURY DRIVE AT THE LOCATION SHOWN ON THE PLAN DRAWINGS AND IN ACCORDANCE WITH THE CONSTRUCTION DETAIL.
5. CONCRETE WASHOUT CAN BE INSTALLED AS SHOWN ON PLAN. WASHOUT AREA MUST BE INSTALLED PRIOR TO POURING ANY CONCRETE AT THE SITE.
6. CLEAR AND GRUB AND INSTALL COMPOST FILTER SOCKS IN THE LOCATIONS SHOWN ON THE PLAN AND IN ACCORDANCE WITH THE DETAILS PROVIDED AND CLEAR AND GRUB ONLY THE AREA NECESSARY TO INSTALL PERMANENT E&S CONTROLS. INSTALL INLET PROTECTION AT EXISTING INLETS ON THE PROPERTY.
7. ONCE ALL CONTROLS ARE INSTALLED AS OUTLINED ABOVE, DEMOLITION OF THE EXISTING UTILITIES MAY COMMENCE. ALL CONSTRUCTION DEBRIS SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF AT A DEP APPROVED WASTE SITE IN ACCORDANCE WITH ALL LOCAL AND STATE COOLS AND PERMIT REQUIREMENTS. IF A BMP IS DAMAGED DURING CONSTRUCTION, THE CONTRACTOR SHALL REPAIR THE DAMAGED BMP WITHIN 24 HOURS FOLLOWING THE FAILURE OCCURRENCE.
8. BEGUN CUT AND FILL OPERATIONS FOR THE SITE. DURING GRADING OPERATIONS, THE FILL SOILS SHALL BE GRADED TO PROVIDE POSITIVE DRAINAGE AND PREVENT PONDING WATER AT THE END OF EACH DAY, AS SOON AS THE PROPOSED HILL SLOPES ARE BROUGHT TO FINAL GRADE, IMMEDIATELY PLACE TOPSOIL, SEED AND MULCH IN REGULAR 12' VERTICAL INCREMENTS TO PROMOTE EARLY STABILIZATION. NOTE: INSTALL EROSION CONTROL BLANKETING ON THE SLOPES GREATER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1).
9. BEGIN CONSTRUCTION OF PROPOSED STORM STRUCTURES, STORM SEWERS, AND UNDERGROUND TANKS & I & 2. AS EACH NEW INLET IS INSTALLED, IMMEDIATELY INSTALL INLET PROTECTION AT THE TRENCH. REFER TO THE SEQUENCE BELOW FOR UNDERGROUND TANK INSTALLATION: A LICENSED PROFESSIONAL ENGINEER SHALL BE CONTACTED AND PRESENT ON SITE TO OVERSEE THE INSTALLATION OF THE UNDERGROUND TANKS, WHICH IS A CRITICAL STAGE OF CONSTRUCTION. NOTICE MUST BE GIVEN AT LEAST 3 DAYS PRIOR TO CONSTRUCTION OF THE TRENCH. REFER TO THE SEQUENCE BELOW FOR UNDERGROUND TANK INSTALLATION:
 - 1.1. PROTECT TRENCH AREA FROM COMPACTION PRIOR TO INSTALLATION WITH ORANGE CONSTRUCTION FENCE.
 - 1.2. AFTER INSTALLATION, PREVENT SEDIMENT LAIDEN WATER FROM ENTERING INLETS AND PIPES BY INSTALLING INLET PROTECTION.
 - 1.3. INSTALL AND MAINTAIN PROPER EROSION AND SEDIMENT CONTROL MEASURES, SUCH AS COMPOST FILTER SOCK, DURING CONSTRUCTION TO PREVENT SEDIMENT FROM ENTERING INLETS AND PIPES.
 - 1.4. EXCAVATE TRENCH BOTTOM TO A UNIFORM, LEVEL UN-COMPACTED SUBGRADE FREE FROM ROCKS AND DEBRIS. DO NOT COMPACT SUBGRADE.
 - 1.5. PLACE NONWOVEN GEOTEXTILE ALONG BOTTOM AND SIDES OF TRENCH. NONWOVEN GEOTEXTILE ROLLS SHOULD OVERLAP BY A MINIMUM OF 16 INCHES WITHIN THE TRENCH. FOLD BACK AND SECURE EXCESS GEOTEXTILE DURING STONE PLACEMENT.
 - 1.6. INSTALL UPSTREAM AND DOWNSTREAM CONTROL STRUCTURES, CLEANOUT, ETC.
 - 1.7. PLACE UNIFORM GRADY CLEAN-WASHED AGGREGATE IN 8-INCH LIFTS, LIGHTLY COMPACTING BETWEEN LIFTS.
 - 1.8. INSTALL CONTINUOUS PERFORATED PIPE AS INDICATED ON PLANS. BACKFILL WITH UNIFORM GRADY, CLEAN-WASHED AGGREGATE IN 8-INCH LIFTS, LIGHTLY COMPACTING BETWEEN LIFTS.
 - 1.9. FOLD AND SECURE NONWOVEN GEOTEXTILE OVER TRENCH, WITH MINIMUM OVERLAP OF 16-INCHES.
 - 1.10. PLACE 6-INCH LIFT OF APPROVED BACKFILL MATERIAL OVER TRENCH UNTIL SUBGRADE OF THE PAVING AREA IS MET, AS INDICATED ON PLANS.
 - 1.11. DO NOT REMOVE INLET PROTECTION OR OTHER EROSION AND SEDIMENT CONTROL MEASURES UNTIL SITE IS FULLY STABILIZED.
- 10.1. ANY SEDIMENT THAT ENTERS INLETS DURING CONSTRUCTION IS TO BE REMOVED WITHIN 24 HOURS.
- 10.2. ONCE CONCRETE WASHOUT AREA HAS BEEN INSTALLED, BEGIN CONSTRUCTION OF THE PROPOSED PLANNED SHOPPING CENTER.
- 10.3. INSTALL SITE SERVICE UTILITIES (SEWER, GAS, WATER, AND ELECTRIC) AS SHOWN ON THE PLAN. REFER TO THE UTILITY LIST INSTALLATION REQUIREMENTS BELOW.
- 10.4. COMPLETE REMAINDERS OF THE GRADING OPERATIONS IN PREPARATION OF SITE PAVING. SITE PAVING WILL INCLUDE ALL PARKING AREAS AND ROADWAYS AROUND THE PROPOSED PLANNED SHOPPING CENTER, BEGIN PAVING OPERATIONS. INSTALLATION OF SITE FURNISHINGS, CONSTRUCTION OF SIDEWALKS, AND LANDSCAPING. NO INSTALL IN ACCORDANCE WITH THE DETAILS AND SPECIFICATIONS.
- 10.5. REMOVE THE ROCK CONSTRUCTION ENTRANCES AS PAVING IS COMPLETED.
- 10.6. SPREAD TOPSOIL IN HIGH PAVED AREAS FOR SEEDING. SEED AND MULCH ALL DISTURBED AREAS, USING THE SPECIFIED SEEDING REQUIREMENTS. ALL DISTURBED AREAS MUST BE TEMPORARILY STABILIZED IF REMAINING IDEL, OR ANTICIPATED TO REMAIN IDEL, NO MORE THAN 15,000 SQUARE FEET OF DISTURBED AREA MAY REACH FINAL GRADE BEFORE INITIATING SEEDING AND MULCHING OPERATIONS.
- 10.7. PLACE UNIFORM GRADY CLEAN-WASHED AGGREGATE IN 8-INCH LIFTS, LIGHTLY COMPACTING BETWEEN LIFTS. IF THE VEGETATIVE COVER IS NOT ESTABLISHED AFTER 30 DAYS.
- 10.8. REMOVE ALL COMPOST FILTER SOCK AND INLET PROTECTION FOLLOWING COMPLETION OF THE ABOVE STEPS AND AFTER THE SITE HAS ACHIEVED A UNIFORM 70% PERENNIAL VEGETATIVE COVER ON UNPAVED AREAS.

UTILITY LIST INSTALLATION REQUIREMENTS

1. WORK CREWS AND EQUIPMENT FOR TRENCHING, PLACEMENT OF PIPE, PLUG INSTALLATION AND BACKFILLING WILL BE SELF-CONTAINED AND SEPARATE FROM CLEARING AND GRUBBING AND SITE RESTORATION AND STABILIZATION OPERATIONS.
2. DAILY TRENCH EXPOSURE AND PROTECTION SHALL BE MAINTAINED. PLUG INSTALLATION AND BACKFILLING THAT CAN BE COMPLETED THE SAME DAY.
3. WATER WHICH ACCUMULATES IN THE OPEN TRENCH WILL BE COMPLETELY REMOVED BY PUMPING INTO A Silt BAG, PRIOR TO PIPE PLACEMENT OR BACKFILLING OPERATIONS.
4. ON THE DAY FOLLOWING PIPE PLACEMENT AND TRENCH BACKFILLING, THE DISTURBED AREA SHALL BE GRADED TO FINAL CONTOURS AND APPROPRIATE TEMPORARY EROSION AND SEDIMENT POLLUTION CONTROL MEASURES WILL BE INSTALLED. SEEDING AND MULCHING OF ALL DISTURBED AREAS WILL BE DONE AT THE END OF EACH WEEK.

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C701
CONSTRUCTION SEQUENCE

STORMWATER MANAGEMENT SYSTEM OPERATION AND MAINTENANCE SCHEDULE

CE-SF, LP IS RESPONSIBLE FOR THE SHORT AND LONG TERM OWNERSHIP, OPERATIONS, AND MAINTENANCE OF THE STORMWATER MANAGEMENT FACILITIES ASSOCIATED WITH THIS PROJECT. THE STORMWATER MANAGEMENT SYSTEM, WHICH INCLUDES INLETS, CLEANOUTS, STORM SEWER PIPES, UNDERGROUND TANKS, AND OUTLET CONTROL STRUCTURES, SHOULD BE INSPECTED FOUR TIMES PER YEAR, PERIODICALLY, AND AFTER RAINFALL EVENTS EXCEEDING 1 INCH. THE STORMWATER MANAGEMENT SYSTEM IS OWNED BY COZZA PERENNIALS, AND IT IS THE RESPONSIBILITY OF COZZA ENTERPRISES TO PERFORM THESE INSPECTIONS. MAKE ALL NECESSARY REPAIRS, AND KEEP A RECORD OF THE FINDINGS AND RESULTS OF THE INSPECTIONS. THE FOLLOWING MAINTENANCE SHALL BE PERFORMED AS SOON AS PRACTICAL FOLLOWING AN INSPECTION:

CLEANOUTS - THE STRUCTURES SHALL BE MAINTAINED AS NOT TO ALLOW ANY SEDIMENT OR DEBRIS TO PREVENT THE FLOW OF WATER THROUGH THE STRUCTURES. ANY OBSTRUCTIONS PREVENTING THE STRUCTURE FROM FUNCTIONING PROPERLY MUST BE REMOVED.

INLETS - THE INLETS SHALL BE MAINTAINED AS NOT TO ALLOW ANY SEDIMENT OR DEBRIS TO PREVENT THE FLOW OF WATER INTO THE INLETS. ANY OBSTRUCTIONS PREVENTING THE STRUCTURE FROM FUNCTIONING PROPERLY MUST BE REMOVED.

STORM SEWER PIPES - ALL STORM SEWER PIPING SHOULD BE INSPECTED TO MAKE SURE NO SEDIMENT OR DEBRIS BUILD-UP HAS OCCURRED THAT MIGHT RESTRICT THE FLOW OF WATER THROUGH THEM. IF BUILD-UP HAS OCCURRED, THE PIPES SHOULD BE FLUSHED AND CLEANED.

UNDERGROUND TANKS - THE UNDERGROUND TANKS SHOULD BE INSPECTED TO MAKE SURE THERE IS NO BUILDUP OF DEBRIS OR SILT IN THE VESSELS. REMOVE AND DISPOSE OF SEDIMENT, DEBRIS/STUFF, AND ANY OTHER WASTE MATERIAL REMOVED FROM THE SYSTEM. THE FACILITIES SHOULD BE INSPECTED AT LEAST 4 TIMES A YEAR, AS WELL AS AFTER EVERY STORM EXCEEDING 1 INCH.

OUTLET CONTROL STRUCTURES - THE OUTLET CONTROL STRUCTURES SHALL BE INSPECTED TO MAKE SURE NO OBSTRUCTIONS ARE PREVENTING THE ORANGE ORANGE FLOW PASSING WATER INTO THE OUTLET PIPE. ANY OBSTRUCTIONS PREVENTING THE STRUCTURE FROM FUNCTIONING PROPERLY MUST BE REMOVED.

YEARLY MAINTENANCE COSTS - THE MAINTENANCE COST FOR THE STORMWATER MANAGEMENT SYSTEM WILL BE PART OF THE MAINTENANCE CONTRACT FOR THE ENTIRE PROJECT. COSTS ARE ANTICIPATED TO BE LESS THAN \$100,000 PER YEAR. WE EXPECT 2-3 YEAR REPAIRS TO ASSIST WITH REGULAR MAINTENANCE. THE COST WILL BE APPROXIMATELY \$200,000 PER YEAR. WE ALSO ANTICIPATE A \$500 EQUIPMENT MAINT. OIL FEE FOR MATERIAL THAT WILL BE COLLECTED AND REMOVED FROM THE SITE.

IN ADDITION TO THESE MEASURES, ALL MAINTENANCE REQUIREMENTS OF SOUTH FAYETTE TOWNSHIP MUST BE FOLLOWED.

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C701
PCSM INSPECTION AND MAINTENANCE SCHEDULE



REVISION RECORD

No.	Date	Description
01	2025-11-11	WPP Updates
02	2025-12-15	ACCD TECHNICAL NOTES RESPONSE
03		
04		
05		
06		
07		
08		

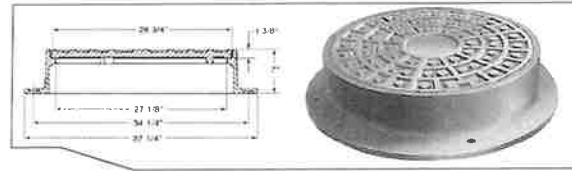
LAFAYETTE 180
NEWBURY DRIVE
CLUDDY, PA 15031

PREPARED FOR:
CE-SF, LP
205 MYCAMA ROAD
MARIS, PA 16046

POST CONSTRUCTION STORMWATER MANAGEMENT NOTES

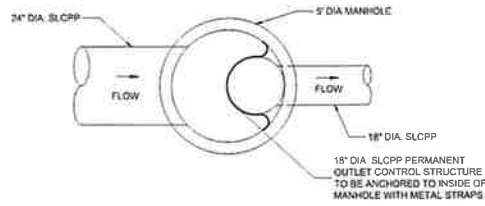
Project Number: C-12199-0025
Drawing Scale: N/A
Date Issued: AUG 2025
Index Number: -
Drawn By: MCLR/RRR
Checked By: JMG
Project Manager: JMG

C701

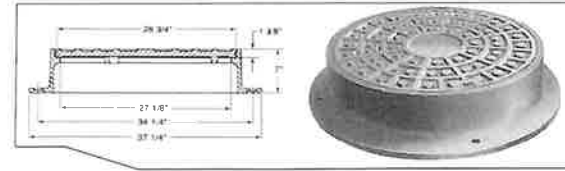


EXCEPT AS NOTED, ALL MANHOLE FRAMES AND COVERS SHALL BE NEENAH FOUNDRY FRAME AND COVER PATTERN NO. R-1753-A AND LABELED "PRIVATE STORM"

FRAME AND COVER

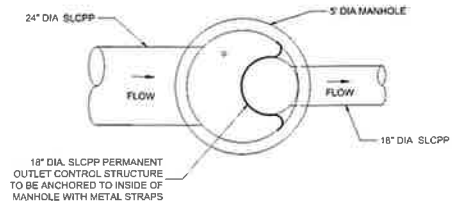


TOP VIEW

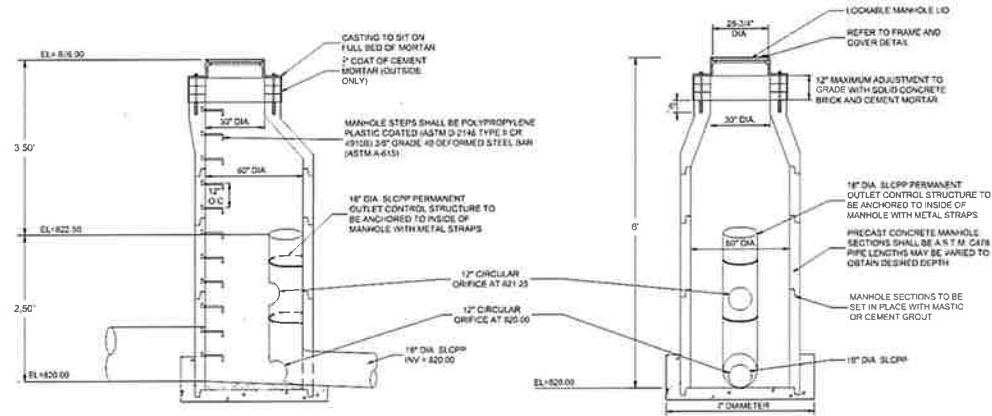


EXCEPT AS NOTED, ALL MANHOLE FRAMES AND COVERS SHALL BE NEENAH FOUNDRY FRAME AND COVER PATTERN NO. R-1753-A AND LABELED "PRIVATE STORM"

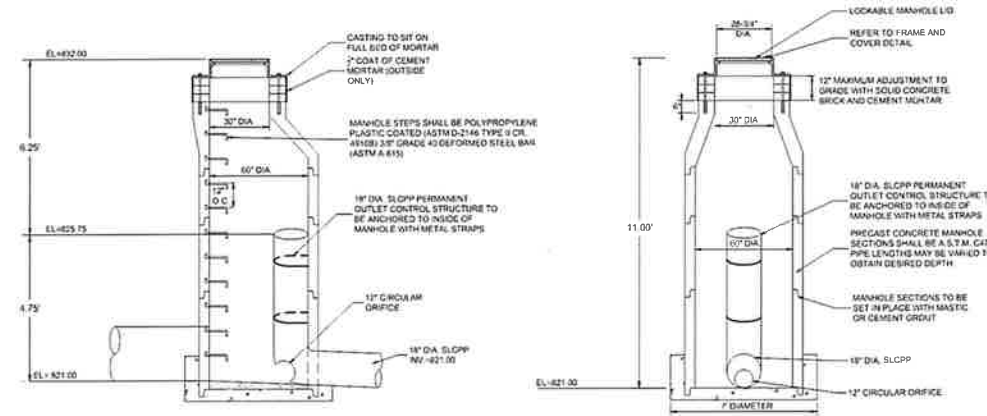
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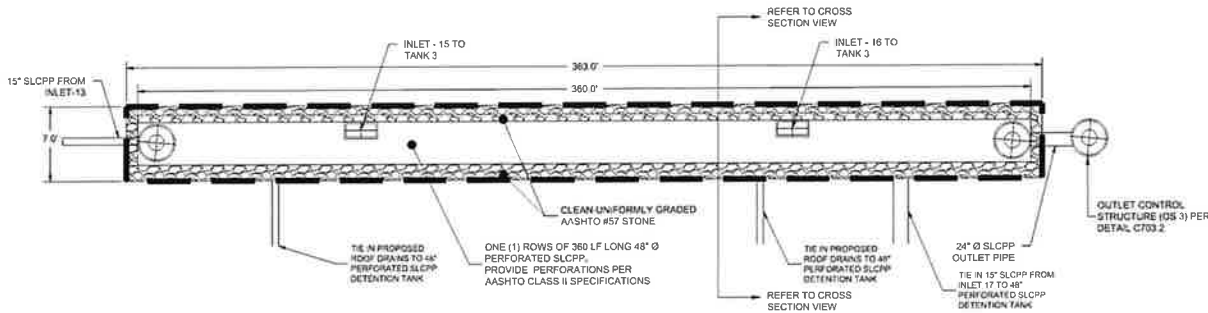
TOP VIEW



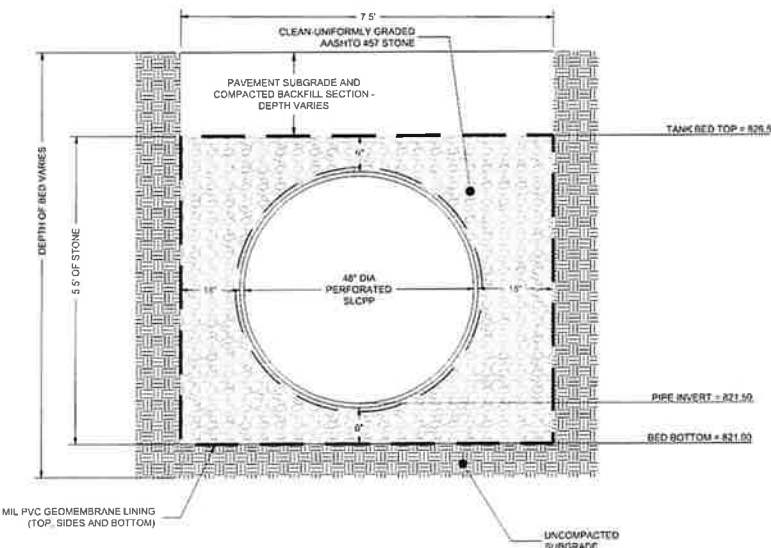
1
C703 OUTLET CONTROL STRUCTURE 2 (OCS 2)



2
C703 OUTLET STRUCTURE 3 (OS 3)



PLAN VIEW
NOT TO SCALE



3
C703 UNDERGROUND TANK 3

PLAN VIEW
TOP SLAB NOT SHOWN

FRAME AND COVER
(MAY VARY)
NOT TO SCALE

FRAME AND GRATE
(MAY VARY)
NOT TO SCALE

STORMCEPTOR DESIGN NOTES

THE STANDARD STC450I CONFIGURATION WITH ROUND, SOLID FRAME AND COVER, AND INLET PIPE IS SHOWN. ALTERNATE CONFIGURATIONS ARE AVAILABLE AND ARE LISTED BELOW. SOME CONFIGURATIONS MAY BE COMBINED TO SUIT SITE REQUIREMENTS.

CONFIGURATION DESCRIPTION

GRADED INLET ONLY AND INLET PIPE
GRADED INLET WITH INLET PIPE OR PIPES
CURB INLET ONLY AND INLET PIPE
CURB INLET WITH INLET PIPE OR PIPES

SITE SPECIFIC DATA REQUIREMENTS

STRUCTURE ID	WATER QUALITY FLOW RATE (ON LUIS TRUCK FLOORWASH SYSTEM)	SET POINT IN FEET OF FLOW (LOW FLOW)	RAM ELEVATION	PIPE DATA	INLET PIPE 1	INLET PIPE 2	OUTLET PIPE	NOTES/SPECIFIC REQUIREMENTS

GENERAL NOTES

- CONTRACTOR TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
- FOR SITE SPECIFIC DRAWINGS WITH CHANGED STRUCTURE DIMENSIONS AND WEIGHT, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE.
- STORMCEPTOR WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING. CONTRACTOR TO CONSULT WITH CONTECH ENGINEERED SOLUTIONS LLC FOR ALL PROJECT REQUIREMENTS.
- STORMCEPTOR STRUCTURE SHALL MEET AASHTO H-20 (16) LOAD RATING ASSUMING EARTH COVER OF 0 - 2 FEET AND GROUNDWATER ELEVATION AT OR BELOW THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET AASHTO M295 AND BE CAST WITH THE CONTECH LOGO.
- STORMCEPTOR STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING TO ASTM C408 AND AASHTO LOAD FACTOR DESIGN METHOD.
- ALTERNATE UNITS ARE SHOWN IN MILLIMETERS (MM).

INSTALLATION NOTES

- ANY SURFACE, SHOULDER DEPTH AND/OR ANTI-FLOUNDER PROVISIONS ARE SITE SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
- CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE STORMCEPTOR MANHOLE STRUCTURE.
- CONTRACTOR TO INSTALL JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS AND ADJACENT STRUCTURE.
- CONTRACTOR TO PROVIDE, INSTALL AND GROUT INLET AND OUTLET PIPES TO MATCH PIPE INVERTS WITH ELEVATIONS SHOWN. ALL PIPE CENTERLINE TO MATCH PIPES OFF-SETTING DIMENSIONS.
- CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT - HOLDING WATER TO FLOW ONE INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.

CONTECH ENGINEERED SOLUTIONS LLC

STC450I STORMCEPTOR STANDARD DETAIL

4
C703 STORMCEPTOR 1 (STC 450I)



REVISION RECORD

Date	No.	Description
2025-11-11	01	WPP Updates
2025-12-16	02	ACCD TECHNICAL NOTES RESPONSE
	03	
	04	
	05	
	06	
	07	
	08	

LAFAYETTE 180
NEWBURY DRIVE
CUDDY, PA 15031
CE - SF, LP
295 MYOMA ROAD
MARS, PA 16046

POST CONSTRUCTION
STORMWATER
MANAGEMENT DETAILS

Project Number: C-12199-0025
Drawing Scale: N/A
Date Issued: AUG 2025
Index Number: -
Drawn By: MCL/RRR
Checked By: JMG
Project Manager: JMG

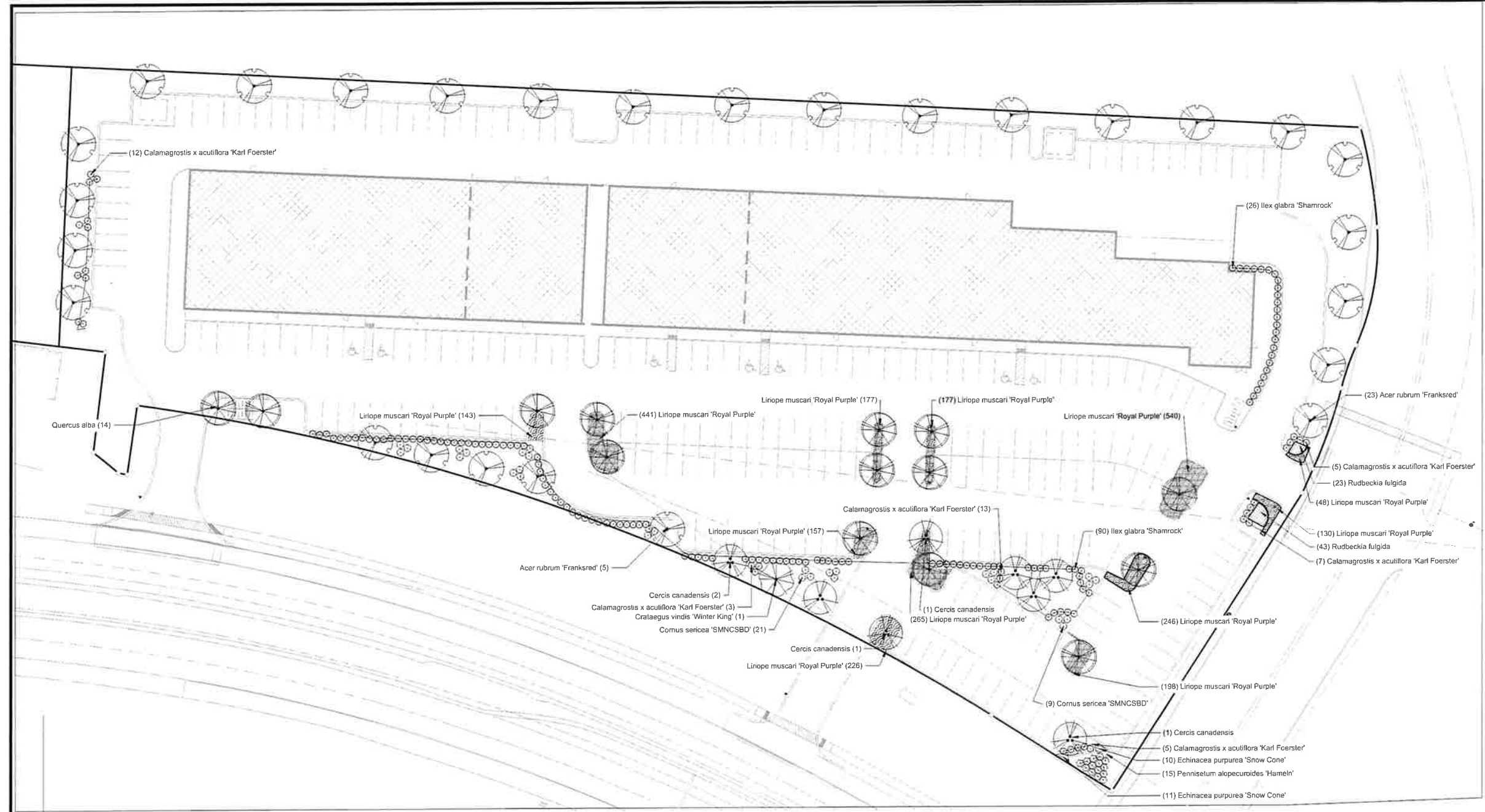
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Plot Date: 12/16/2025 12:27 PM Myan R. Richard, L.L.T.
Save Date: 12/16/2025 5:48 PM

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REVISION RECORD

No.	Date	Description
01	2025-11-11	ISSUE FOR PERMITS
02	2025-12-16	ACCD TECHNICAL INFOS RESPONSE
03	2026-01-14	TOWNSHIP SUBMISSION
04		
05		
06		
07		
08		



LANDSCAPE NOTES:

- THE CONTRACTOR SHALL COMPLY AT ALL TIMES WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, PROVISIONS AND ORDINANCES GOVERNING SAFETY AND HEALTH INCLUDING THE FEDERAL CONSTRUCTION SAFETY ACT (PUBLIC LAW 91-594), FEDERAL REGISTER, CHAPTER XVII, PART 1926 OF TITLE 29 REGULATIONS, OCCUPATIONAL SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION AND SUBSEQUENT PUBLICATIONS UPDATING THESE REGULATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXAMINING THE AREAS AND CONDITIONS UNDER WHICH THE PROJECT IS TO BE CONSTRUCTED PRIOR TO THE SUBMISSION OF THE BID. SUBMISSION OF A BID SHALL BE CONSTRUED TO MEAN THE CONTRACTOR HAS REVIEWED THE SITE AND IS FAMILIAR WITH CONDITIONS AND CONSTRAINTS OF THE SITE.
- PRIOR TO THE INSTALLATION OF PLANT MATERIAL, THE CONTRACTOR SHALL ACCURATELY LOCATE ALL EXISTING UNDERGROUND UTILITIES, INCLUDING ALL RECENTLY INSTALLED UTILITIES. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE LANDSCAPE ARCHITECT OF ANY CONFLICTS WITH THE PLANT MATERIAL. ANY UTILITIES DAMAGED AS A RESULT OF PLANTING ACTIVITIES SHALL BE REPAIRED AND/OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.
- TREE PROTECTION FENCING MUST BE IN PLACE PRIOR TO ANY DEMOLITION OR LAND DISTURBANCE.
- NO CHANGES TO THE LANDSCAPE DESIGN SHALL BE MADE WITHOUT THE WRITTEN CONSENT OF THE LANDSCAPE ARCHITECT.
- ALL PLANTS INDICATED ON PLANS SHALL BE GROWN IN CLIMATES SIMILAR TO PROJECT AREA.
- PLANT QUANTITIES ARE FOR REFERENCE ONLY. THE CONTRACTOR IS REQUIRED TO FULFILL THE INTENT OF THE DRAWINGS. ANY DISCREPANCIES IN THE NUMBER OF PLANTS SHOWN ON THE DRAWING AND THE PLANT LIST SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER PRIOR TO SUBMITTING A BID OR BEGINNING INSTALLATION.
- ALL PLANT MATERIAL SHALL CONFORM TO OR EXCEED THE AMERICAN STANDARD FOR NURSERY STOCK (LATEST EDITION) AS PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERMEN. DO NOT INSTALL DAMAGED, WILTING OR UNHEALTHY PLANTS.
- IN THE EVENT THAT A PROPOSED PLANT CANNOT BE ACQUIRED, SUBSTITUTION FOR GENUS, SIZE OR SPECIES SPECIFIED SHALL ONLY BE SUBSTITUTED WITH AN EQUIVALENT PLANT WHICH MUST BE APPROVED BY THE LANDSCAPE ARCHITECT IN WRITING.
- PLANTING MAY ONLY OCCUR DURING THE FOLLOWING PERIODS: MARCH 15 - JUNE 15 AND SEPTEMBER 15 - NOVEMBER 15. EXCEPTIONS WILL BE MADE BUT MUST BE APPROVED IN WRITING PRIOR TO ANY INSTALLATION. PROCEED WITH PLANTING ONLY WHEN EXISTING AND FORECAST WEATHER CONDITIONS PERMIT PLANTING.
- A PRE-EMERGENT HERBICIDE SHALL BE APPLIED TO THE SHRUB BEDS AND MULCH AREAS PRIOR TO THE INSTALLATION OF PLANT MATERIAL. HERBICIDES TO BE APPLIED PER MANUFACTURER'S SPECIFICATIONS. PROPOSED HERBICIDE SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT AND OWNER PRIOR TO APPLICATION.
- TOPSOIL SHALL MEET ASTM D2025, HAVE A PH RANGE OF 5.5-7.0, CONTAIN A MINIMUM OF 4% ORGANIC MATERIAL, AND BE FREE OF ANY STONES OVER 1" IN ANY DIRECTION AND FREE OF DEBRIS AND NON-ORGANIC MATERIAL. A SOIL SAMPLE SHALL BE TAKEN BY THE CONTRACTOR PRIOR TO PLANTING AND SENT TO A SOIL TESTING LABORATORY APPROVED BY THE STATE DEPARTMENT OF AGRICULTURE. IF REQUIRED, SOIL AMENDMENT TYPES AND QUANTITIES TO BE SUBMITTED FOR REVIEW.
- PRIOR TO INSTALLATION OF ANY PLANT MATERIAL, THE CONTRACTOR SHALL CONFIRM ADEQUATE DRAINAGE IN ALL PITS AND PLANT BEDS. NOTIFY THE LANDSCAPE ARCHITECT IF BEDROCK IS ENCOUNTERED OR IF PROPER DRAINAGE CANNOT BE ACHIEVED.
- PLANT TREES AND SHRUBS AFTER FINISH GRADES ARE ESTABLISHED AND BEFORE PLANTING LAWNS UNLESS OTHERWISE APPROVED BY THE LANDSCAPE ARCHITECT.
- PLANTING MIXES: PLANTING MIX FOR BACKFILLING PLANT PITS OF DECIDUOUS TREES AND SHRUBS SHALL BE IN THE PROPORTION OF FOUR PARTS BY VOLUME OF TOPSOIL AND ONE PART BY VOLUME OF PEAT MOSS PLUS ONE POUND OF 10-4 FERTILIZER PER CUBIC YARD. PLANTING MIX FOR BACKFILLING PLANT PITS OF NEEDLED EVERGREEN PLANTS SHALL BE IN THE PROPORTION OF TWO PARTS BY VOLUME OF TOPSOIL AND ONE PART BY VOLUME OF PEAT MOSS PLUS ONE POUND OF 10-4 FERTILIZER PER CUBIC YARD. ALL AMENDMENTS SHALL BE THOROUGHLY MIXED.
- REFER TO EROSION AND SEDIMENTATION CONTROL PLAN FOR LIMITS OF DISTURBANCE. ALL DISTURBED AREAS SHALL BE FINE GRADED AND SEEDED WITH PERMANENT SEED MIX UNLESS OTHERWISE NOTED ON PLANS. PRIOR TO INSTALLATION OF SOIL OR SEED, ALL LAWN AREAS SHALL RECEIVE TOPSOIL TO A DEPTH OF 4" AFTER LIGHT ROLLING. DO NOT COMPACT. THE AREAS SHALL BE DISHED AND RAKED SMOOTH TO A UNIFORM GRADE AS SHOWN ON THE GRADING PLAN.
- A 3" THICK DOUBLE SHREDED HARDWOOD MULCH BED SHALL BE PROVIDED IN ALL AREAS CONTAINING TREES, SHRUBS AND UNDER BUILDING OVERHANGS.
- PLANT IDENTIFICATION TAGS SHALL BE LEFT ON UNTIL INSTALLED PLANTINGS ARE INSPECTED BY THE LANDSCAPE ARCHITECT. ALL TAGS SHALL BE REMOVED AFTER APPROVAL.
- WARRANTY PERIOD FOR TREES AND SHRUBS IS ONE YEAR. WARRANTY PERIOD FOR GROUNDCOVER, LAWNS, GRASSES AND PERENNIALS IS 6 MONTHS. WARRANTY PERIOD FOR REPLACEMENTS SHALL BE EQUAL TO THE ORIGINAL WARRANTY PERIOD.
- A SATISFACTORY LAWN IS DEFINED AS A HEALTHY, UNIFORM CLOSE STAND OF GRASS FREE OF WEEDS AND SURFACE IRREGULARITIES WITH COVERAGE EXCEEDING 90% OVER 10 SQUARE FEET WITH NO BARE SPOTS EXCEEDING A 5'x5' SQUARE.
- REFER TO LANDSCAPE DETAIL SHEETS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION PERTAINING TO INSTALLATION OF LANDSCAPE INCLUDING BUT NOT LIMITED TO MULCHING, STAKING AND SETTING/SPACING OF PLANTS.

SOUTH FAYETTE TOWNSHIP LANDSCAPE REQUIREMENTS:

- §240-98 J (4) BUFFER AREAS AND LANDSCAPING**
IN ANY NONRESIDENTIAL DEVELOPMENT, DECIDUOUS TREES SHALL BE PLANTED IN ACCORDANCE OF THE FOLLOWING SCHEDULE. THESE TREES SHALL BE IN ADDITION TO THE TREES PROVIDED IN ANY REQUIRED BUFFER OR PARKING AREA.

BUILDING FOOTPRINT	REQUIREMENT
30,001 - 75,000 sq ft	A MINIMUM OF 30 TREES PLUS 1 TREE FOR EACH 3,000 sq ft OF BUILDING FOOTPRINT IN EXCESS OF 30,000 sq ft
45,126 sq ft BUILDING	35 TREES REQUIRED 35 TREES PROVIDED + 16 ADDITIONAL TREES

THE TREES SHALL BE PLANTED IN CLUSTERS ON THE SITE AND SHALL BE DISTRIBUTED THROUGHOUT THE SITE TO ENHANCE THE OPEN SPACE.
- §240-98 J (6)**
ALL TREES WHICH ARE REQUIRED TO BE PLANTED AS PER THE REGULATIONS OF THIS SUBSECTION J SHALL BE A MINIMUM OF TWO INCHES IN DIAMETER AT A POINT ONE FOOT ABOVE THE GROUND AT THE TIME OF PLANTING MEASURED ALONG THE TRUNK OF A PLANTED TREE, WHICH THE TREE SHALL BE PLANTED IN ACCORDANCE WITH ACCEPTED CONSERVATION PRACTICES.
PROVIDED

PLANT SCHEDULE

TREES	QTY	BOTANICAL / COMMON NAME	CONDITION	SIZE
	27	Acer rubrum 'Franksred' / Red Sunburst Maple	B&B	2" CAL.
	8	Cercis canadensis / Eastern Redbud	B&B	2" CAL.
	1	Crataegus virdis 'Winter King' / Winter King Hawthorn	B&B	2" CAL.
	14	Quercus alba / White Oak	B&B	2" CAL.
SHRUBS	QTY	BOTANICAL / COMMON NAME	CONDITION	SIZE
	45	Calamagrostis x acutiflora 'Karl Foerster' / Karl Foerster Feather Reed Grass	#2 Cont.	18" HL.
	39	Cornus sericea 'SMNCSBD' / Arctic Fire® Yellow Dogwood	#5 Cont.	30" HT.
	115	Ilex glabra 'Shamrock' / Shamrock Holly	#5 Cont.	30" HT.
	15	Pennisetum alopecuroides 'Hameln' / Hameln Fountain Grass	#2 Cont.	
GROUND COVERS	QTY	BOTANICAL / COMMON NAME	CONT.	SIZE
	21	Echinacea purpurea 'Snow Cone' / Snow Cone Purple Coneflower	1 gill	16" ø.c.
	2,861	Liriope muscari 'Royal Purple' / Royal Purple Liriope	1 gill	12" ø.c.
	66	Rudbeckia fulgida / Coneflower	1 gill	16" ø.c.



Know what's below.
Call before you dig.
Serial No. 20231760058



NORTH



LAFAYETTE 180
NEWBURY DRIVE
CUDDY, PA 15031
PREPARED FOR:
CE - SF - LP
295 MYOMAR ROAD
IMARS, PA 16046

LANDSCAPE PLAN

Project Number: **C-12199-0025**
Drawing Scale: **1" = 30'**
Date Issued: **AUG 2025**
Issue Number: _____
Drawn By: **MCL/RRR**
Checked By: **JMG**
Project Manager: **JMG**

L100



Symbol	Qty	Label	Arrangement	Description	LLF	Luminaire Lumens	Luminaire Watts	Total Watts
	3	G2-5WQ	Single	GALN-SA2C-740-U-5WQ	0.912	14797	108	324
	2	GALN-T4FT	Single	GALN-SA2C-740-U-T4FT	0.912	14107	108	216
	6	GLN-SL3	Single	GALN-SA2C-740-U-SL3	0.912	14013	108	648

Calculation Summary								
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min	
Parking Lot	Illuminance	Fc	0.79	3.4	0.2	3.95	17.00	

RP-8-21 Recommended Maintained Illuminance Values
Parking Lots (basic requirements, not for security lighting)

Application and Use	Grid Size	Description	Target Illuminance (fc) - Average	Target Illuminance (fc) - Minimum	Recommended Vertical Illuminance (fc)
All Parking Lots	0 Grids	Open Parking Facilities Type Four of Parking Garage All Activity Levels	0.30 FC @ 0.4'	0.10 FC @ 0.4'	20 ft
Drive Aides Parking Areas	0 Grids	Open Parking Facilities All Activity Levels	0.30 FC @ 0.4'	0.10 FC @ 0.4'	15 ft
Transaction Areas Pedestrian & Vehicle	0 Grids	Areas surrounding 1/2 hour lapped transaction area in all directions or curbs, periphery, bins, or structure	0.30 FC Min - Post-curve 0.20 FC Min - Post-curve	0.30 FC Min - Post-curve 0.20 FC Min - Post-curve	15 ft
Transaction Machines General Areas	Varies	Vertical illuminance over entire front face of any machines. Coordinate with any machine display lighting requirements.	0.30 FC Min - Post-curve 0.20 FC Min - Post-curve	0.30 FC Min - Post-curve 0.20 FC Min - Post-curve	15 ft

Luminaire Location Summary					
LumNo	Label	Insertion Point			Orient
		X	Y	Z	
1	GLN-SL3	112	371	30	268.452
2	GLN-SL3	302	365	30	268.452
3	GLN-SL3	490	357	30	268.452
4	GALN-T4FT	633	343	30	268.409
5	GLN-SL3	20	222	30	0
6	GLN-SL3	186	169	30	87.436
7	G2-5WQ	356	168	30	90
8	GLN-SL3	697	168	30	151.699
9	G2-5WQ	537	161	30	90
10	G2-5WQ	566	63	30	242.103
11	GALN-T4FT	458	49	30	151.858

Applications, tasks or viewing specific encountered on any given project may be different than these and may necessitate different criteria.
Table 17.2 RP-8-21

REVISION RECORD		
No	Date	Description
01	2025-11-11	WPP Updates
02	2025-12-16	ACCD TECHNICAL APDES RESPONSE
03	2026-01-14	TOWNSHIP SUBMISSION
04		
05		
06		
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08		

LAFAYETTE 180
NEWBURY DRIVE
CUDDY, PA 15031
PREPARED FOR:
CE - SF, LP
295 MYOMA ROAD
MARKS, PA 16046

LIGHTING PLAN
Project Number: C-12199-0025
Drawing Scale: 1" = 30'
Date Issued: AUG 2025
Index Number: --
Drawn By: MCL/RRR
Checked By: JMG
Project Manager: JMG
L200



