

# CHURCH VIEW SENIOR RESIDENCES

S.R. 981, MOUNT PLEASANT, WESTMORELAND COUNTY, PA

JANUARY, 2025

## GENERAL NOTES:

- BEFORE STARTING WORK, THE CONTRACTORS SHALL EXAMINE THE JOB SITE AND THE DRAWINGS AND BE THOROUGHLY FAMILIAR WITH THE ENTIRE CONSTRUCTION, THE FACILITIES, ANY DIFFICULTIES IN THE WORK TO BE COMPLETED, THE ACCURACY OF THE DRAWINGS AND DETAILS, AND QUANTITY OF LABOR AND MATERIALS REQUIRED.
- CONTRACTORS SHALL NOT SCALE THESE DRAWINGS FOR CONSTRUCTION OR BIDDING PURPOSES. IN THE EVENT OF OMISSIONS OF NECESSARY DIMENSIONS OR INFORMATION, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OR ENGINEER. FIGURED AND CALCULATED DIMENSIONS TAKE PRECEDENCE OVER SCALED MEASUREMENTS. DETAILED DRAWINGS AND LARGER SCALE DRAWINGS TAKE PRECEDENCE OVER SMALLER SCALED DRAWINGS.
- ALL PLAN DETAILS AND WALL SECTIONS ARE CONSIDERED "TYPICAL" INDUSTRY DETAILS UNLESS NOTED OTHERWISE AS SITE SPECIFIC.
- TRAFFIC SHALL BE MAINTAINED ON ALL ADJOINING STREETS AND DRIVES AT ALL TIMES. TRAFFIC CONTROL SHALL BE MAINTAINED IN ACCORDANCE WITH PENNDOT'S REQUIREMENTS.
- CONTRACTOR SHALL VERIFY THE LOCATION AND INVERT ELEVATION OF ALL EXISTING UTILITIES WITH PROPOSED CONNECTIONS PRIOR TO CONSTRUCTION AND GRADING OF THE SITE. THE ENGINEER SHALL BE IMMEDIATELY NOTIFIED OF ANY DESIGN CONFLICTS.
- ALL MATERIALS AND WORKMANSHIP INVOLVED IN THIS SITE WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION, INCLUDING SUPPLEMENTS, OF THE PENNSYLVANIA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS PUB. FORM 408, UNLESS OTHERWISE NOTED.
- A PENNDOT HIGHWAY OCCUPANCY PERMIT, PURSUANT TO SECTION 420 OF THE ACT OF JUNE 1, 1945 (P.L. 1242 NO. 428), KNOWN AS THE "STATE HIGHWAY LAW" IS REQUIRED FOR DRIVEWAY ACCESS TO ANY STATE ROADWAY.
- A FINAL EROSION AND SEDIMENTATION CONTROL PLAN AND PERMIT PURSUANT TO THE RULES AND REGULATIONS OF THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION (TITLE 25, PART 1, SUBPART C, ARTICLE II, CHAPTER 102 OF THE PENNSYLVANIA CODE) IS REQUIRED BEFORE ANY EARTH MOVING ACTIVITIES ON THE PROPOSED LOTS IS ALLOWED.
- ALL PROPOSED ACCESSIBLE FACILITIES ARE TO BE CONSTRUCTED TO CURRENT ADA REQUIREMENTS AND STANDARDS.
- ALL PROPOSED ON-SITE LIGHTING SHALL BE DIRECTED INWARD AND DOWNWARD AWAY FROM RESIDENTIAL PROPERTIES AND ALL STREET RIGHT-OF-WAYS.
- LAND DEVELOPMENT PLAN APPROVAL DOES NOT RELIEVE THE OWNER FROM ALL APPLICABLE SIGN REGULATIONS. ALL PROPOSED ON-SITE SIGNAGE SHALL CONFORM TO THE MUNICIPAL ZONING ORDINANCES.
- CONTRACTOR IS RESPONSIBLE FOR VERIFYING QUANTITIES, INCLUDING EARTHWORK. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE OWNER AND ENGINEER DURING THE BIDDING PROCESS OF ANY QUANTITY DISCREPANCIES IN THE BID DOCUMENTS. ONCE THE CONSTRUCTION CONTRACT IS ISSUED, THE CONTRACTOR ACKNOWLEDGES THE CONTRACT PRICE COVERS ALL LABOR, MATERIALS AND INCIDENTALS TO SUBSTANTIALLY COMPLETE THE PROJECT ACCORDING TO THE CONSTRUCTION PLANS.
- IT IS THE INTENTION OF THE ENGINEER THAT THE DRAWINGS AND SPECIFICATIONS PROVIDE FOR A COMPLETELY FINISHED PROJECT. ANYTHING OR MATTER SHOWN ON THE DRAWINGS OR DESCRIBED BY THE SPECIFICATIONS OR FAIRLY IMPLIED BY EITHER OR BOTH, SHALL BE CONSIDERED A PART OF THE WORK THE SAME AS IF NOTED, SHOWN AND DESCRIBED. SHOULD THE CONTRACTORS FIND ANY DISCREPANCIES OR OMISSIONS IN THE DRAWINGS OR SPECIFICATIONS, OR BE IN DOUBT AS TO THEIR MEANING, THEY SHALL NOTIFY THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK. ANY CLARIFICATIONS FROM THE ENGINEER WILL BE WRITTEN AND THE CONTRACTORS SHALL BE RESPONSIBLE AT NO COST TO THE OWNER OR ENGINEER FOR ANY WORK WHICH MUST BE REDONE BECAUSE OF THEIR FAILURE TO COMPLY WITH THE PRECEDING.
- FURTHER EXPLANATORY DRAWINGS OR DETAILS WILL ALSO BE CONSIDERED PART OF THE PROJECT AND WORK EXECUTED WITHOUT SUCH DETAILS SHALL BE AT THE CONTRACTOR'S RISK.
- THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND MEASUREMENTS. ANY DISCREPANCIES BETWEEN THE DRAWING AND ACTUAL EXISTING CONDITIONS SHALL BE REPORTED TO THE ENGINEER BEFORE PROCEEDING. ANY CHANGES OR CORRECTIONS WILL BE WRITTEN, AND THE CONTRACTORS SHALL BE RESPONSIBLE FOR ANY WORK COMPLETED BEFORE RECEIVING SAID CORRECTION.
- IN THE CASE OF AN INCONSISTENCY BETWEEN DRAWINGS AND SPECIFICATIONS, OR WITHIN EITHER DOCUMENT NOT CLARIFIED BY AN ADDENDUM, THE BETTER QUALITY OR GREATER QUANTITY OF WORK SHALL BE PROVIDED IN ACCORDANCE WITH THE ENGINEER AND THE OWNER'S REPRESENTATIVES INTERPRETATION.

## UTILITY COMPANIES

### SANITARY

MOUNT PLEASANT TOWNSHIP  
AUTHORITY  
PO BOX 137  
MAMMOTH PA 15664  
724-424-5418

### GAS

PEOPLES NATURAL GAS  
195 Donohoe Road  
Greensburg, PA 15601  
Colleen Corona  
(724) 832-2856

### WATER

MUNICIPAL AUTHORITY OF  
WESTMORELAND COUNTY  
124 Park and Pool Road  
New Stanton, PA 15672  
(724) 755-5800

### TELEPHONE/FIBER OPTICS

WINDSTREAM COMMUNICATIONS  
186 MAIN STREET  
BROOKVILLE, PA. 15825

### ELECTRICITY

FIRST ENERGY-WEST PENN POWER  
800 CABIN HILL ROAD  
GREENSBURG, PA. 15601  
Office Personnel

### CABLE

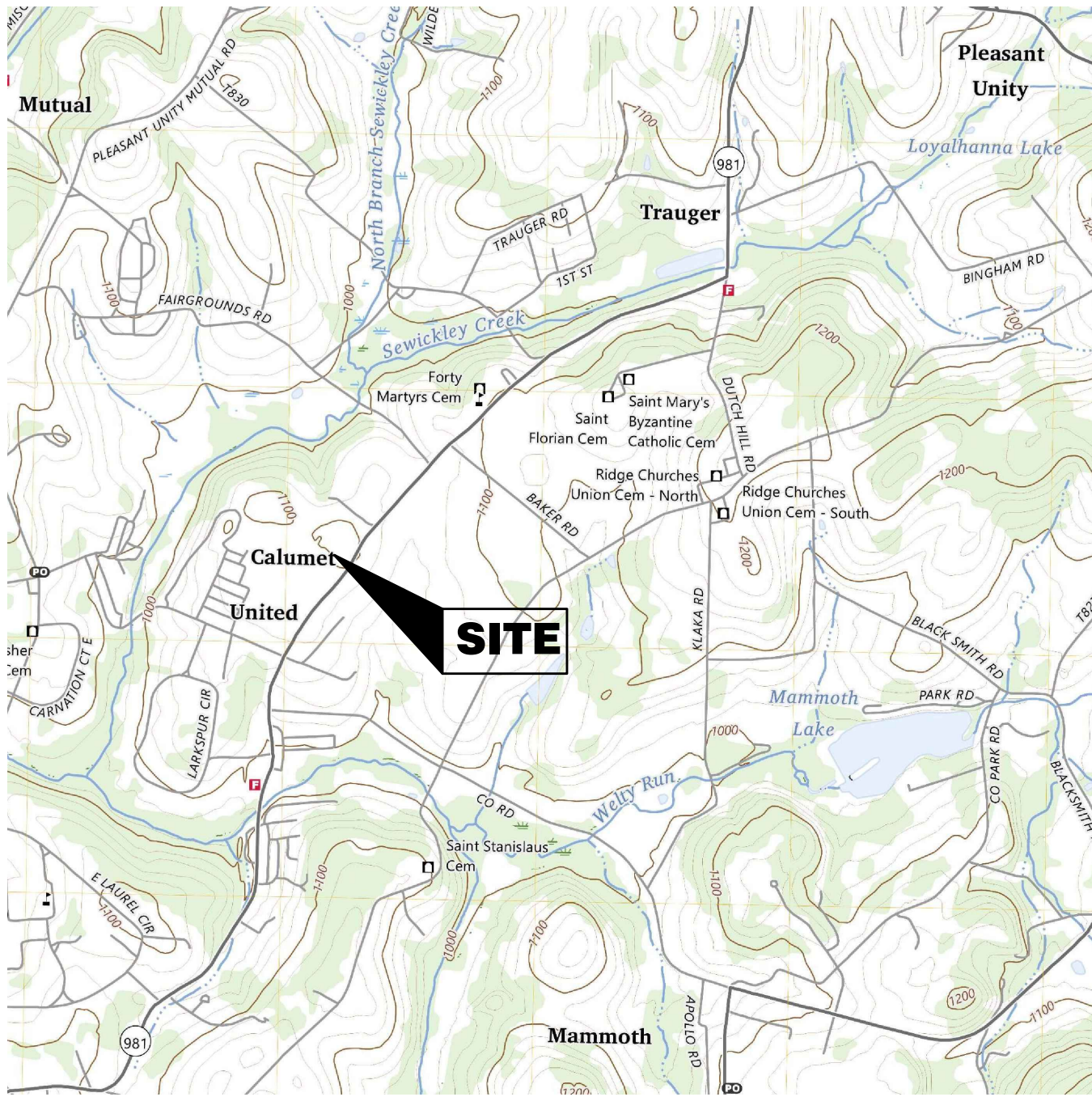
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THE GENERAL CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES INVOLVED IN THE SITE NO MORE TEN DAYS AND NO LESS THAN THREE DAYS IN ADVANCE OF EXCAVATION (PA ACT 287 OF 1974 AMENDED BY ACT 50 OF 2018). PA STATE LAW REQUIRES 3 WORKING DAYS NOTICE



LOCATION MAP  
SCALE: 1"=2000'  
USGS QUADRANGLE MAP  
MAMMOTH, PA

## PREPARED FOR: WESTMORELAND COUNTY HOUSING AUTHORITY

167 S. GREENGATE RD.  
GREENSBURG, PA 15601

ATTN - ERIK SPIEGEL  
PHONE - 724-832-7248

PREPARED BY:



Morris Knowles & Associates, Inc.

Consulting Engineers & Land Surveyors

1740 GOLDEN MILE HIGHWAY, SUITE 101

MONROEVILLE, PA. 15146

TELEPHONE: (724) 468-4622 FAX: (724) 468-8940

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## TITLE SHEET

CHURCH VIEW SENIOR RESIDENCES  
prepared for  
WESTMORELAND COUNTY HOUSING AUTHORITY  
situated in  
MOUNT PLEASANT TOWNSHIP, WESTMORELAND COUNTY, PA

**MKA**  
Morris Knowles & Associates, Inc.  
(A Hammontree Company)  
Consulting Engineers and Land Surveyors  
1740 Golden Mile Highway, Suite 101  
Greensburg, PA 15601  
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info@morrisknowles.com www.morrisknowles.com

DESIGNED BY: SPP  
REVIEWED BY: WPU  
DRAWN BY: SPP  
DATE: JAN 2025  
PROJ. NO.: 1885.10

SCALE:

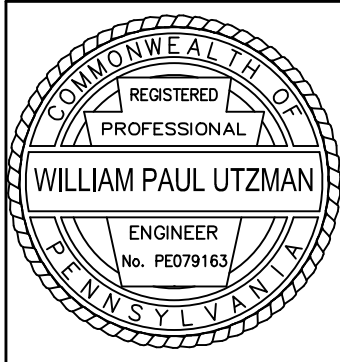
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THE ENGINEER ASSUMES NO RESPONSIBILITY FOR ANY CHANGES IN DESIGN PLANS UNLESS WRITTEN CONSENT IS GIVEN BY THE ENGINEER. THE CONTRACTOR AND/OR THE OWNER WILL BE HELD RESPONSIBLE FOR ANY FIELD MODIFICATIONS MADE WITHOUT THE WRITTEN CONSENT OF THE ENGINEER AND NECESSARY APPROVALS BY PERMITTING AGENCIES.

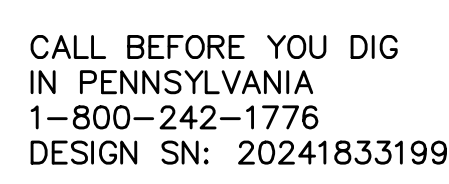
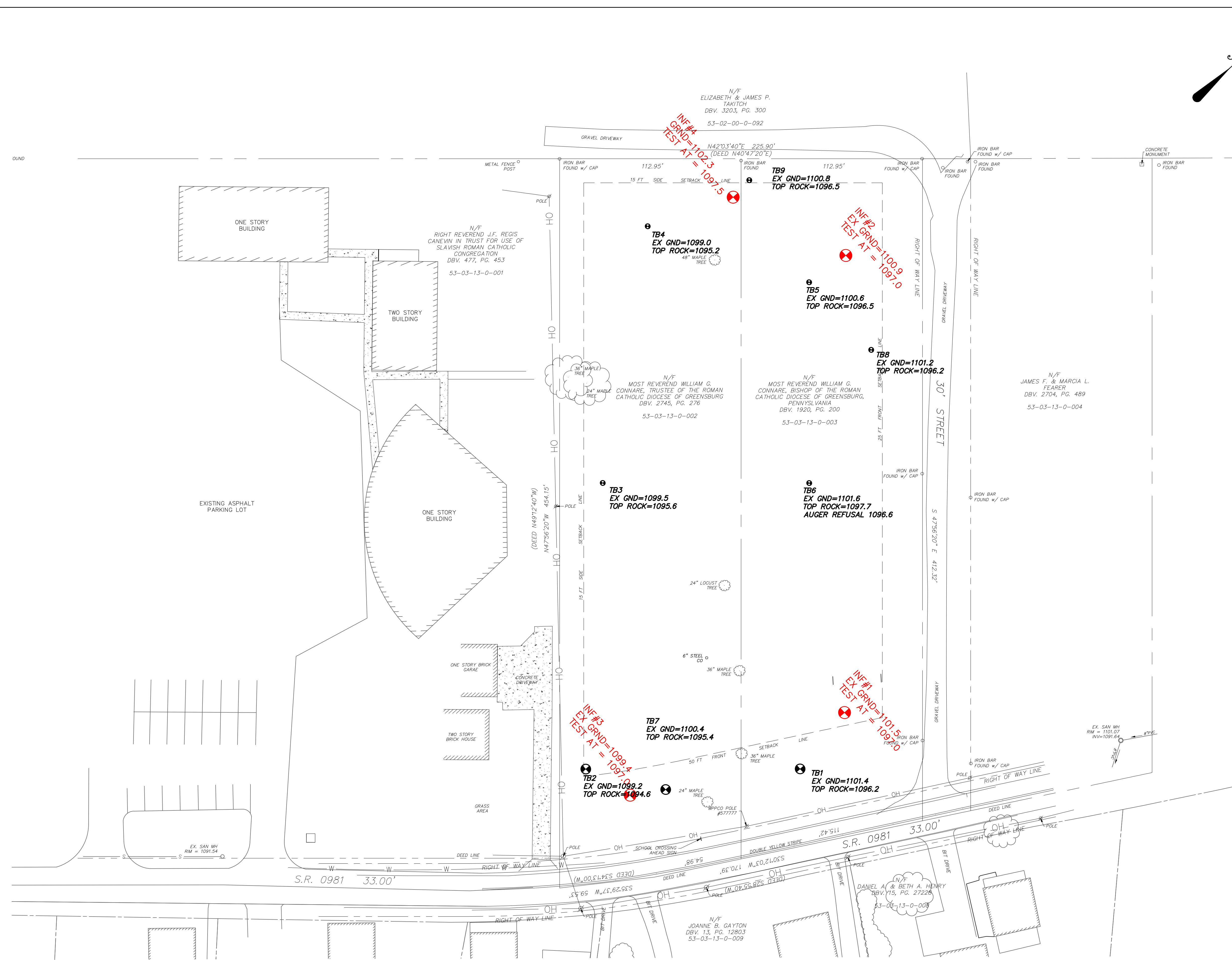
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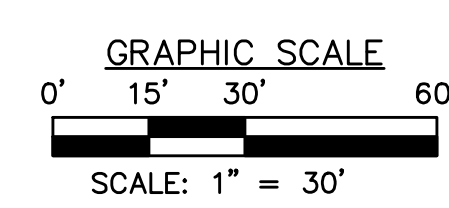
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THE GENERAL CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES INVOLVED IN THE SITE NO MORE TEN DAYS AND NO LESS THAN THREE DAYS IN ADVANCE OF EXCAVATION (PA ACT 287 OF 1974 AMENDED BY ACT 50 OF 2018). PA STATE LAW REQUIRES 3 WORKING DAYS NOTICE

## LEGEND

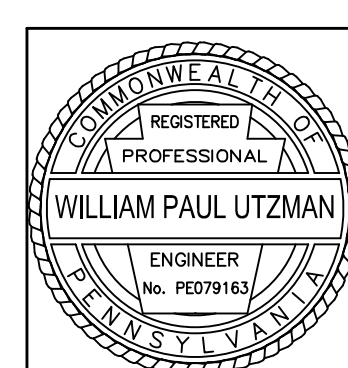
SAN — SANITARY	—G—	— GAS LINE
ST — STORM	—W—	— WATER LINE
MH — MANHOLE	—T—	— SUBSURFACE TELEPHONE LINE
TOP — TOP OF CASTING	—E—	— SUBSURFACE ELECTRIC LINE
IN — INVERT / FLOW LINE	—OH—	— OVERHEAD WIRES
WV — WATER VALVE	— 908 —	— EXISTING CONTOURS
GV — GAS VALVE		— EXISTING INLET
GM — GAS METER	= = = = =	— EXISTING MANHOLE
EM — ELECTRIC METER	—X—X—	— EXISTING SEWER
S.R. — STATE ROUTE		
TELE — TELEPHONE		
RCP — REINFORCED CONCRETE PIPE		
CPP — CORRUGATED PLASTIC PIPE		



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## EXISTING CONDITIONS PLAN

**CHURCH VIEW SENIOR RESIDENCES**  
*prepared for*

CHURCH VIEW SENIOR RESIDENCES  
prepared for  
Baltimore County Housing Authority  
situated in

*Statute in*  
MOUNT PLEASANT TOWNSHIP, WESTMORELAND COUNTY, PA

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Telephone: (724) 468-4622  
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info@morrisknowles.com www.morrisknowles.com

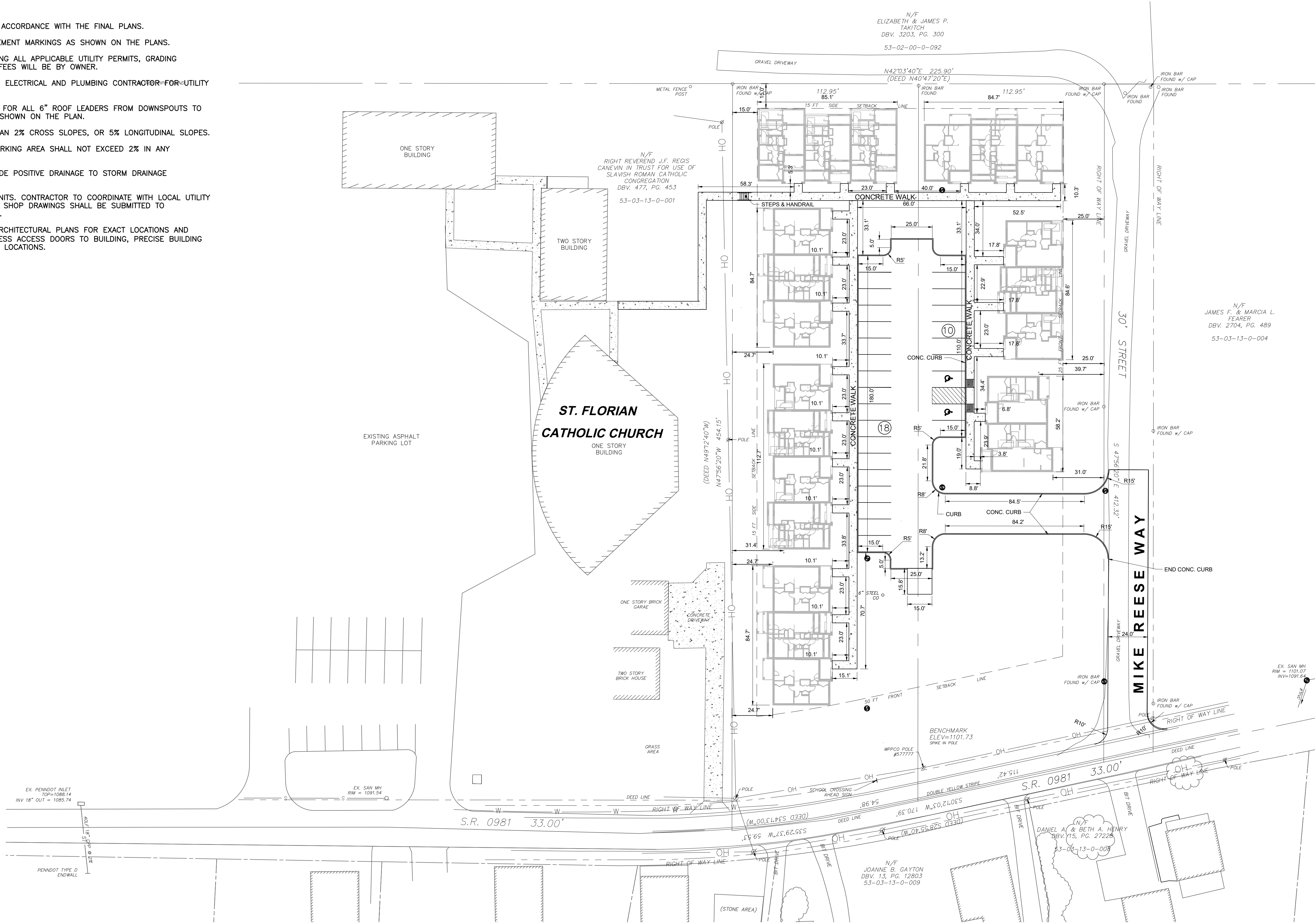
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SCALE:  
1" = 30'

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SITE PLAN NOTES:

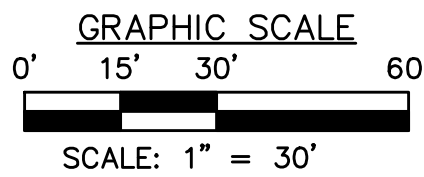
1. THE PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FINAL PLANS.
2. THE CONTRACTOR SHALL INSTALL ALL PAVEMENT MARKINGS AS SHOWN ON THE PLANS.
3. CONTRACTOR IS RESPONSIBLE FOR SECURING ALL APPLICABLE UTILITY PERMITS, GRADING PERMITS, BUILDING PERMITS. APPLICATION FEES WILL BE BY OWNER.
4. SITE CONTRACTOR SHALL COORDINATE WITH ELECTRICAL AND PLUMBING CONTRACTOR FOR UTILITY CONNECTION POINTS.
5. SITE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL 6" ROOF LEADERS FROM DOWNSPOUTS TO STORM DRAINAGE CONNECTION POINTS AS SHOWN ON THE PLAN.
6. ALL SIDEWALKS SHALL BE NO GREATER THAN 2% CROSS SLOPES, OR 5% LONGITUDINAL SLOPES.
7. CONCRETE PAVEMENT WITHIN HANDICAP PARKING AREA SHALL NOT EXCEED 2% IN ANY DIRECTION.
8. PARKING LOT SHALL BE GRADED TO PROVIDE POSITIVE DRAINAGE TO STORM DRAINAGE STRUCTURES.
9. CONCRETE TRANSFORMER PAD & HAVAC UNITS. CONTRACTOR TO COORDINATE WITH LOCAL UTILITY COMPANY FOR REQUIREMENTS AND SIZING. SHOP DRAWINGS SHALL BE SUBMITTED TO RESPECTIVE AUTHORITY FOR CONFORMANCE.
10. SITE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF VESTIBULES, INGRESS/EGRESS ACCESS DOORS TO BUILDING, PRECISE BUILDING DIMENSIONS, AND EXACT UTILITY ENTRANCE LOCATIONS.



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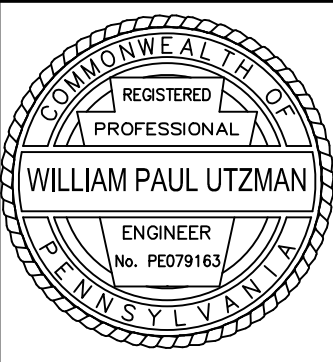


**SITE PLAN**  
SCALE: 1"=30'

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**SITE LAYOUT PLAN**  
CHURCH VIEW SENIOR RESIDENCES  
prepared for  
WESTMORELAND COUNTY HOUSING AUTHORITY  
situated in  
MOUNT PLEASANT TOWNSHIP, WESTMORELAND COUNTY, PA

SHEET NO.  
C200

**Morris Knowles & Associates, Inc.**  
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Telephone: (724) 488-4822  
Fax: (724) 488-8840  
info@morrisknowles.com www.morrisknowles.com

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DRAWN BY: JSS  
DATE: JAN 2025  
PROJ. NO.: 1885.10

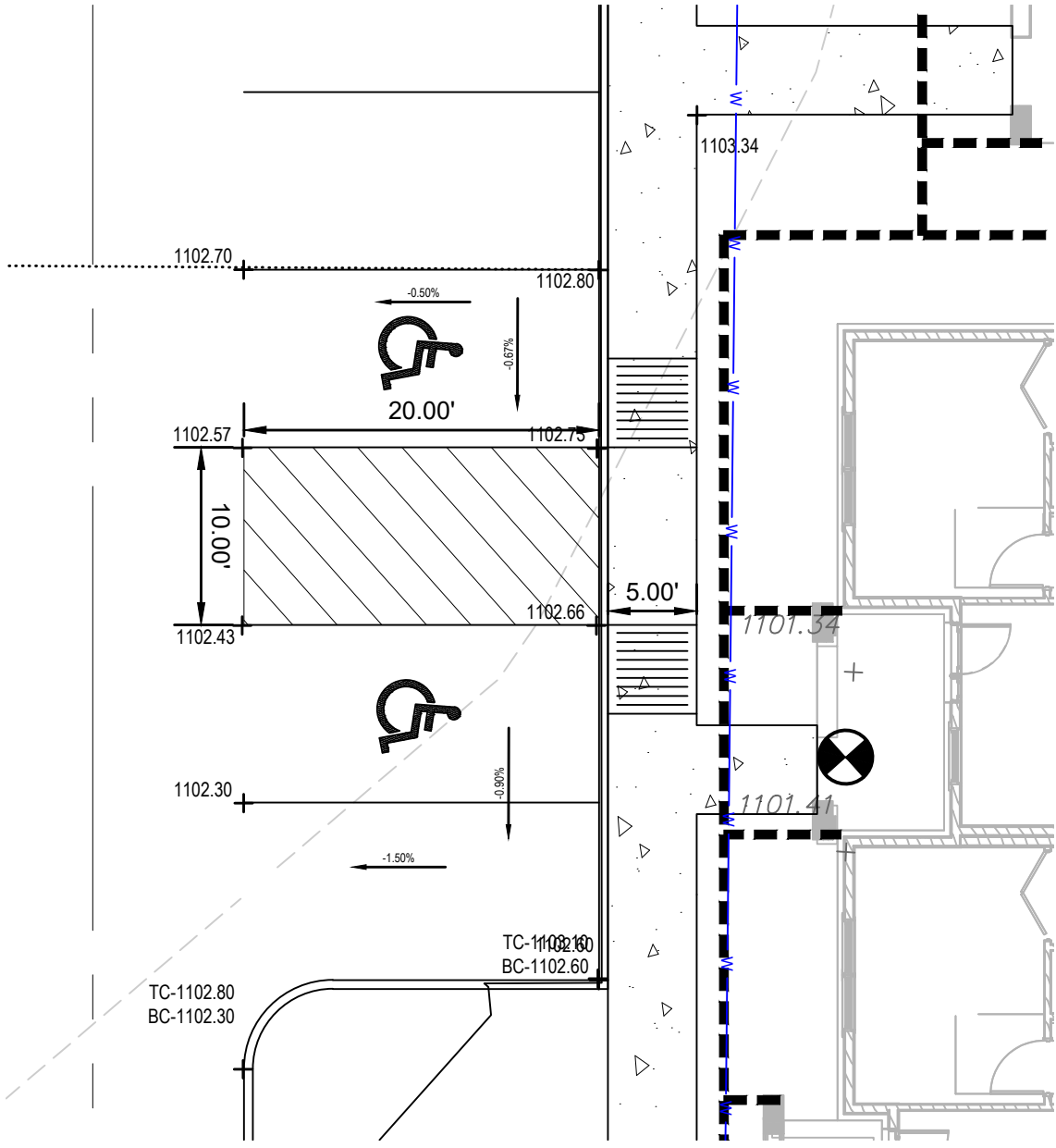
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1" = 30'

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GRADING NOTES:

1. THE CONTRACTOR SHALL COMPACT ALL FILL MATERIALS OUTSIDE OF PROPOSED BUILDING AREAS, PLACED IN LIFTS, AND COMPACTED TO 90% OF MAXIMUM DRY DENSITY, AS DETERMINED BY ASTM D-1557 (MODIFIED PROCTOR) OR 95% BY ASTM-D698 (STANDARD PROCTOR). PLACE FILL IN EIGHT-INCH LIFTS AND COMPACT WITH AN IMPACT-TYPE ROLLER (I.E. SHEEPSFOOT ROLLER). PROVIDE FOR INSPECTION OF ALL FILL AS IT IS PLACED FOR PROPER DENSITY BY A GEOTECHNICAL TESTING FIRM.
2. THE CONTRACTOR SHALL COMPACT ALL FILL MATERIALS WITHIN PROPOSED BUILDING AREAS, PLACED IN LIFTS, AND COMPACTED TO 95% OF MAXIMUM DRY DENSITY, AS DETERMINED BY ASTM D-1557 (MODIFIED PROCTOR) OR 100% BY ASTM-D698 (STANDARD PROCTOR). PLACE FILL IN EIGHT-INCH LIFTS AND COMPACT WITH AN IMPACT-TYPE ROLLER (I.E. SHEEPSFOOT ROLLER). PROVIDE FOR INSPECTION OF ALL FILL AS IT IS PLACED FOR PROPER DENSITY BY A GEOTECHNICAL TESTING FIRM.
3. ALL CUT AND FILL OPERATIONS SHALL FOLLOW THE "PENNSYLVANIA HANDBOOK OF BEST MANAGEMENT PRACTICES" FOR DEVELOPING AREAS.
4. THE CONTRACTOR SHALL NOT EXCEED A MAXIMUM GRADE BREAK OF 8% IN THE PROPOSED DRIVEWAYS.
5. THE CONTRACTOR SHALL CONTROL DUST ON THE SITE IN ACCORDANCE WITH PA DEP REQUIREMENTS.
6. THE CONTRACTOR SHALL NOT REMOVE SOIL FROM THE SITE. IF THE CONTRACTOR DISCOVERS CONTAMINATED SOIL ON THE SITE DURING CONSTRUCTION ACTIVITIES, THEN THE SOILS SHALL BE CLEANED AND DISPOSED OF AT AN APPROVED LANDFILL IN ACCORDANCE WITH PADEP RULES, REGULATIONS AND REQUIREMENTS.
7. HANDICAPPED SPACES AND ACCESS ISLES MAXIMUM SLOPE IS 2% IN ALL DIRECTIONS.



ADA DETAIL

SCALE: 1"=10'

GRAPHIC SCALE



SCALE: 1" = 10'

LEGEND

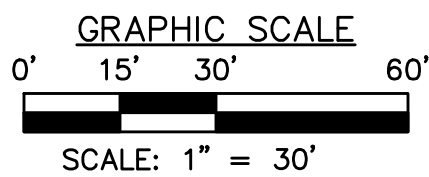
- + 1100.0 PROPOSED SPOT ELEVATION
- 1100 PROPOSED CONTOUR
- 1100 EXISTING CONTOUR
- SURFACE DRAINAGE DIRECTION



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SCALE: 1" = 30'

GRADING PLAN

SCALE: 1"=30'

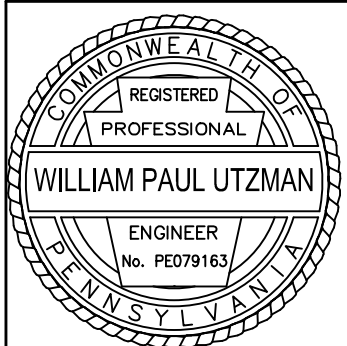
ST. FLORIAN  
CATHOLIC CHURCH

ONE STORY BUILDING

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SITE GRADING PLAN

CHURCH VIEW SENIOR RESIDENCES  
prepared for  
WESTMORELAND COUNTY HOUSING AUTHORITY  
situated in  
MOUNT PLEASANT TOWNSHIP, WESTMORELAND COUNTY, PA

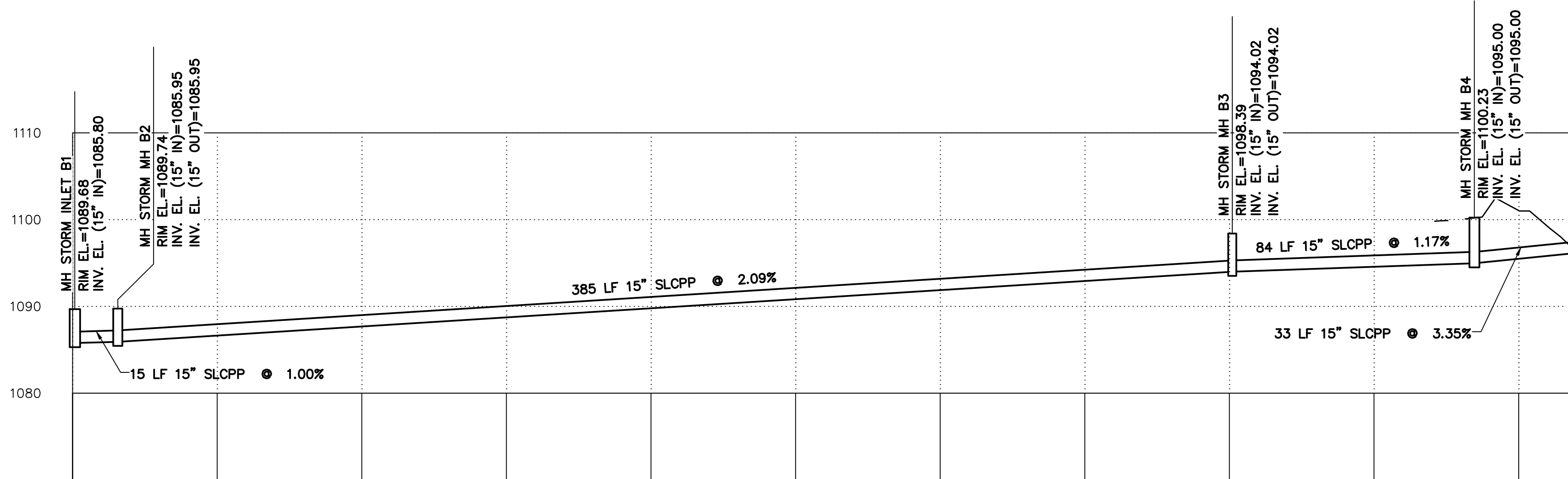
**MKA** Morris Knowles & Associates, Inc.  
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Telephone: (724) 468-4822  
Fax: (724) 468-8940  
info@morrisknowles.com www.morrisknowles.com

SCALE:  
1" = 30'

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REVIEWED BY: WPU  
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DATE: JAN. 2025  
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Storm Drainage Profile 1 PROFILE – STA. 0+00 TO STA. 5+17  
HORIZ SCALE: 1"=30'

Storm Pipe Table				
Pipe Name	Size	Length	Slope	
P1	15"	15FT	1.00%	
P2	15"	385FT	2.09%	
P3	15"	86FT	1.14%	
P4	15"	33FT	3.33%	
P5	12"	13FT	0.05%	
P6	15"	41FT	0.75%	
P7	12"	40FT	6.55%	
P8	12"	13FT	0.60%	
P9	12"	11FT	0.50%	
P10	12"	64FT	0.50%	
P11	12"	91FT	0.50%	

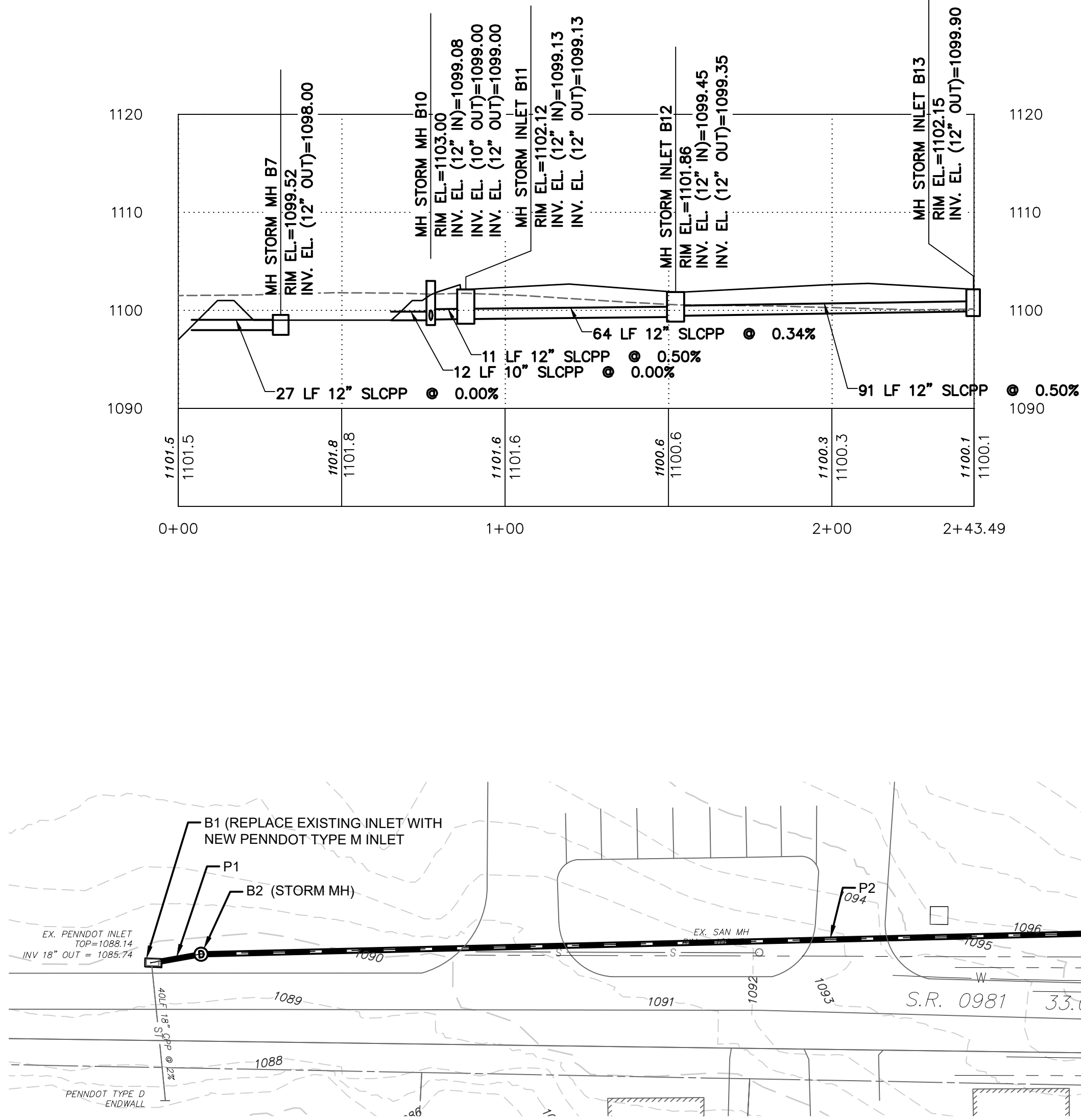
Storm Structure Table					
STRUCTURE	TYPE	RIM	INVERT IN	INVERT OUT	INVERT OUT
B1	INLET	1089.7	1085.80	1085.74	
B2	MANHOLE	1089.7	1085.95	1085.95	
B3	MANHOLE	1098.4	1094.02	1094.02	
B4	MANHOLE	1100.2	1095.00	1095.00	
B5	INLET	1100.8		1096.10	
B6	ENDWALL			1097.00	
B7	MANHOLE	1101.8	1097.17	1097.07	
B8	MANHOLE	1102.0	1097.50	1097.48	
B9	ENDWALL			1199.00	
* B10	MANHOLE	1103.0	1099.08	1199.08	1100.10
B11	INLET	1102.1	1099.13	1099.13	
B12	INLET	1101.9	1099.45	1099.45	
B13	INLET	1102.1	1099.90		

\* STORM MH B10 (STORMWATER FLOW SPLITTER, REFER TO C802)



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DESIGN SN: 20241833199

THE GENERAL CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES INVOLVED IN THE SITE NO MORE TEN DAYS AND NO LESS THAN THREE DAYS IN ADVANCE OF EXCAVATION (PA ACT 287 OF 1974 AMENDED BY ACT 50 OF 2018). PA STATE LAW REQUIRES 3 WORKING DAYS NOTICE



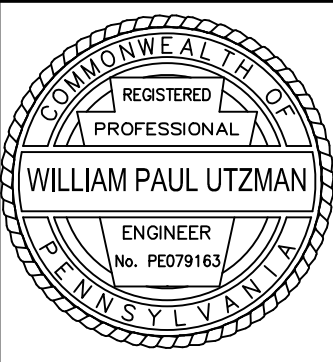
LEGEND

- PROPOSED STORM SEWER
- 6" PVC ROOF LEADERS (MIN SLOPE @ 1/8" PER FT)
- EXISTING CONTOUR
- SURFACE DRAINAGE DIRECTION

THE ENGINEER ASSUMES NO RESPONSIBILITY FOR ANY CHANGES IN DESIGN PLANS UNLESS WRITTEN CONSENT IS GIVEN BY THE ENGINEER. THE CONTRACTOR AND/OR THE OWNER WILL BE HELD RESPONSIBLE FOR ANY FIELD MODIFICATIONS MADE WITHOUT THE WRITTEN CONSENT OF THE ENGINEER AND NECESSARY APPROVALS BY PERMITTING AGENCIES.

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DRAINAGE PLAN & PROFILE

CHURCH VIEW SENIOR RESIDENCES  
prepared for  
WESTMORELAND COUNTY HOUSING AUTHORITY  
situated in  
MOUNT PLEASANT TOWNSHIP, WESTMORELAND COUNTY, PA

**MKA** Morris Knowles & Associates, Inc.  
(A Hammontree Company)  
Consulting Engineers and Land Surveyors  
1740 Golden Mile Highway, Suite 101  
Pittsburgh, PA 15203  
Telephone: (724) 488-8840  
Fax: (724) 488-8840  
info@morrisknowles.com www.morrisknowles.com

DESIGNED BY: WPU  
REVIEWED BY: WPU  
DATE: JAN 2025  
PROJECT NO.: 1885.10

SCALE:  
1" = 30'

REVISION BY: WPU  
REVISION BY: WPU  
REVISION BY: WPU  
REVISION BY: WPU  
REVISION BY: WPU

DESCRIPTION:  
DESCRIPTION:  
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DATE:  
DATE:  
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DATE:  
DATE:

WATERLINE NOTES:

1. WATERLINE SHALL CONFORM TO AWWA C900 FOR PVC PLASTIC PIPE. PVC WATERLINE PIPE SHALL BE CLASS 200, DR-14 PVC PIPE. FITTINGS SHALL CONFORM TO AWWA C110.
2. WATERLINES CROSSING SEWERS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 18 INCHES BETWEEN THE OUTSIDE OF THE WATERLINE AND THE OUTSIDE OF THE SEWER. THIS SHALL BE THE CASE WHERE THE WATERLINE IS EITHER ABOVE OR BELOW THE SEWER. AT CROSSINGS, ONE FULL LENGTH OF WATER PIPE SHALL BE LOCATED SO BOTH JOINTS WILL BE AS FAR FROM THE SEWER AS POSSIBLE. SPECIAL STRUCTURAL SUPPORT FOR THE WATER AND SEWER PIPES MAY BE REQUIRED.
3. ALL TYPES OF INSTALLED WATER PIPE SHALL BE PRESSURE TESTED AND LEAKAGE TESTED IN ACCORDANCE WITH THE LATEST EDITION OF AWWA STANDARD C600.
4. ALL NEW, CLEANED OR REPAIRED WATERLINES SHALL BE DISINFECTED IN ACCORDANCE WITH AWWA STANDARD C651.
5. ALL WATERLINE PIPES, FITTINGS AND ACCESSORIES SHALL CONFORM TO THE REQUIREMENTS OF THE FOLLOWING STANDARD SPECIFICATIONS: A.21.10 ANSI, A.21.11 ANSI, A.21.50 ANSI, A.21.51 ANSI, AND A.21.4 ANSI.
6. SHOP DRAWINGS AND CATALOG CUTS FOR ALL MATERIALS USED IN CONSTRUCTION MUST BE APPROVED BY THE AUTHORITY PRIOR TO THE START OF WORK.
7. ALL MATERIALS FOR THE PROPOSED WATERLINE SHALL BE PURCHASED FROM THE MUNICIPAL AUTHORITY OF XXXXXX COUNTY.
8. THE PROPOSED WATERLINE SHALL BE IN ACCORDANCE WITH THE MUNICIPAL AUTHORITY OF XXXXXX COUNTY SPECIFICATIONS. THE AUTHORITY WILL INSPECT THE INSTALLATION OF WATERLINES AND CONNECTIONS.

UTILITY NOTES:

1. ALL EXISTING UTILITIES SERVING THIS PROPERTY SHALL BE PROPERLY TERMINATED AT THE RIGHT-OF-WAY LINE IN COMPLIANCE WITH TOWNSHIP AND COUNTY REGULATIONS. CONTRACTOR SHALL PROVIDE EVIDENCE OF COMPLIANCE WITH ALL STATE AND FEDERAL LAWS REGARDING THE DEMOLITION OF STRUCTURES AND ABANDONMENT OF UTILITIES.
2. ANY UTILITIES FOUND DURING EXCAVATION, NOT SHOWN ON PLAN, SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER.
3. EACH SUBCONTRACTOR SHALL OBTAIN HIS OR HER OWN PERMITS AND CONTACT THE UTILITY COMPANY FOR VERIFICATION AND LOCATION OF HOOK-UP PRIOR TO ANY WORK BEING DONE.
4. UTILITIES SHOWN WERE TAKEN IN PART FROM RECORDS OF RESPECTIVE UTILITY COMPANIES AND PART FROM A SURVEY AND DO NOT NECESSARILY REPRESENT ALL UNDERGROUND OR OVERHEAD UTILITIES ADJACENT TO OR UPON THE PREMISES SHOWN ON THE PLAN.
5. THE CONTRACTOR SHALL COORDINATE UTILITY CONNECTIONS AND SIZE AT THE BUILDING WITH THE MECHANICAL DRAWINGS AND PROVIDE CONNECTIONS WITH EXISTING UTILITIES IN ACCORDANCE WITH THE UTILITY PROVIDER'S REQUIREMENTS.
6. ALL UTILITIES SHALL BE UNDERGROUND.
7. ALL UTILITIES SHALL BE CONSTRUCTED, INSPECTED AND TESTED IN ACCORDANCE WITH THE BOROUGH, CITY, AUTHORITY, OR COUNTY STANDARDS AND REGULATIONS. THE ENGINEERING DEPARTMENT SHALL BE NOTIFIED A MINIMUM OF 24 HOURS IN ADVANCE FOR SCHEDULING OF AN INSPECTOR IF REQUIRED.
8. ROOF DRAINS, FOUNDATION DRAINS AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER ARE PROHIBITED.
9. CONTRACTOR SHALL VERIFY THE LOCATION AND INVERTS OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
10. THE CONTRACTOR SHALL COORDINATE ALL UTILITY CONNECTIONS AND SHUT-OFFS WITH UTILITY PROVIDERS.
11. THE CONTRACTOR SHALL COORDINATE THE ARCHITECTURAL ROOF DRAIN LOCATIONS WITH THE SITE PLAN AND OUTLET THEM INTO THE NEAREST INLET BOX.

SANITARY SEWER NOTES:

1. SANITARY SEWER LATERAL SHALL BE 6" DIAMETER OF PVC ASTM D-3034, SDR-35 WITH RUBBER GASKET JOINTS OR APPROVED EQUAL. LATERALS SHALL BE CONSTRUCTED WITH MINIMUM 1.0% SLOPE AND HAVE A MINIMUM OF 4'-0" COVER.
2. SANITARY SEWER MAINS SHALL BE 8" DIAMETER OF PVC ASTM D-3034, SDR-35 WITH RUBBER GASKET JOINTS OR APPROVED EQUAL. LATERALS SHALL BE CONSTRUCTED WITH MINIMUM 1.0% SLOPE AND HAVE A MINIMUM OF 4'-0" COVER.
3. ROOF DRAINS, FOUNDATION DRAINS AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER ARE PROHIBITED.
4. SANITARY SEWERS SHALL BE TESTED BY LOW PRESSURE AIR TESTS AND/OR OTHER TESTS AS REQUIRED BY THE AUTHORITY.
5. MANHOLE LIDS SHALL BE EQUIPPED WITH SELF-SEALING GASKETS.
6. SANITARY SEWER MANHOLES SHALL BE VACUUM TESTED.
7. THE MUNICIPAL AUTHORITY WILL INSPECT ALL SANITARY SEWER LINES AND LATERALS.
8. THE CONTRACTOR SHALL INSTALL NEW SANITARY SEWER LATERALS FROM THE BUILDING TO THE SANITARY SEWER MAIN LINE. EXISTING LATERALS UNDER EXISTING ROADS MAY BE USED, BUT THEY MUST BE VIDEOED AND UNED IN ACCORDANCE WITH THE AUTHORITY'S REQUIREMENTS.

ELECTRIC/TELEPHONE/CABLE NOTES:

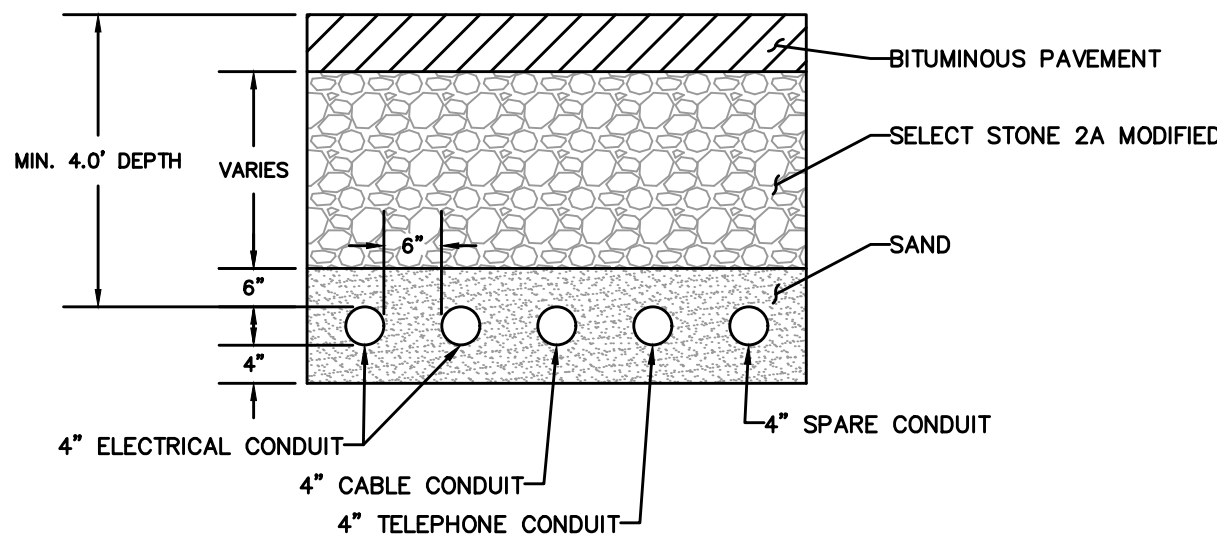
1. CONTRACTOR SHALL COORDINATE WITH RESPECTIVE UTILITY PROVIDER FOR CONDUIT SIZE, DEPTH REQUIREMENTS, NUMBER OF CONDUITS, PULL ROPE, TRACER WIRE AND BACKFILL REQUIREMENTS.
2. CONTRACTOR SHALL OBTAIN PERMITS AND CONTACT THE UTILITY COMPANY FOR VERIFICATION AND LOCATION OF HOOK-UP PRIOR TO ANY WORK BEING DONE.
3. SITE CONTRACTOR RESPONSIBLE FOR CONDUIT INSTALLATION ONLY.
4. CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION TO VERIFY UTILITY STUB-OUT LOCATIONS.
5. ALL CONDUIT PIPE SHALL BE SCH40 BELOW GRADE, GLUED, CLEANED AND PLUGGED TO KEEP WATER AND DIRT OUT. CONTRACTOR SHALL INSTALL 1/4-INCH UNBROKEN NYLON OR POLYPROPYLENE PULL ROPE INSIDE EACH CONDUIT.
6. MINIMUM CLEARANCE BETWEEN CONDUITS SHALL BE NO LESS THAN 1.0FT
7. MINIMUM DEPTH SHALL BE PER NEC STANDARDS WITH BURIED CONDUIT

CONTRACTOR NOTES:

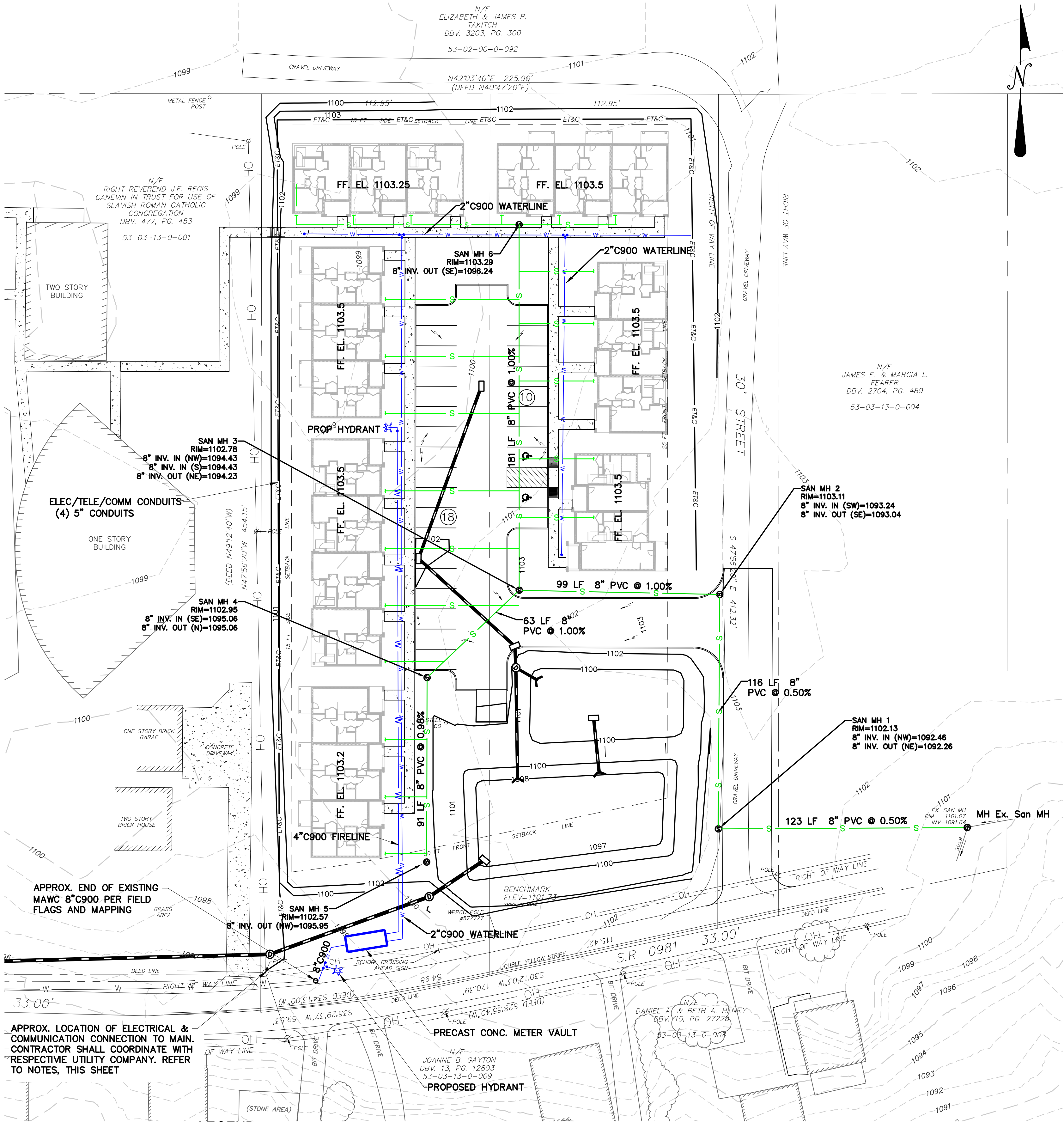
1. GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL SITE WORK EXCEPT THE FOLLOWING.
  - 1.1. ELECTRICAL CONTRACTOR SHALL FURNISH ALL SITE CONDUIT TO BE INSTALLED BY G.C. SEE GENERAL ELECTRICAL NOTES NO. 6 FOR MORE INFORMATION.
  - 1.2. ELECTRICAL CONTRACTOR SHALL FURNISH POLE LIGHT ANCHOR BOLTS AND BOLT PATTERN TEMPLATE. GENERAL CONTRACTOR TO PROVIDE POLE LIGHT FOUNDATIONS AND INSTALL BOLTS.
  - 1.3. ELECTRICAL CONTRACTOR TO PROVIDE, FURNISH AND INSTALL LIGHT FIXTURES, LIGHT POLES, CAR CHARGING STATION, ALL WIRING.

E.C. SHALL FURNISH SITE CONDUIT FOR INSTALLATION BY G.C. FOR ALL SITE ELECTRICAL WORK EXCEPT FOR CONDENSERS.

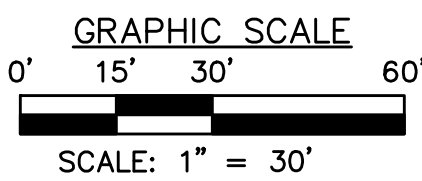
1. ALL SITE WIRING SHALL BE FURNISHED AND INSTALLED BY E.C.
2. EC SHALL PROVIDE SITE LIGHT FIXTURES AND POLES. REFER TO SITE DRAWINGS
3. EC SHALL FURNISH BOLT PATTERNS FOR SITE LIGHT POLES. G.C. SHALL INSTALL LIGHT POLES AND LIGHT POLE FOUNDATIONS.
4. GC SHALL INSTALL ALL PADS AND FOUNDATIONS EXCEPT CONDENSER PADS.
5. EC SHALL FURNISH AND INSTALL CONDUIT AND WIRING FOR CONDENSER UNITS.



TYPICAL CONDUIT TRENCHING  
N.T.S.



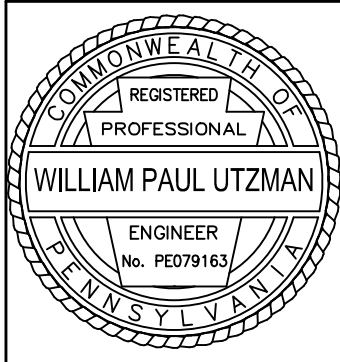
- LEGEND
- S — PROPOSED SANITARY SEWER
  - W — PROPOSED WATER SEWER
  - ET&C — PROPOSED ELECTRIC/TELE/CABLE CONDUITS



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- LEGEND
- G — GAS LINE
  - W — WATER LINE
  - T — SUBSURFACE TELEPHONE LINE
  - E — SUBSURFACE ELECTRIC LINE
  - OH — OVERHEAD WIRES
  - 908 --- EXISTING CONTOURS
  - EXISTING INLET
  - EXISTING MANHOLE
  - EXISTING SEWER
  - X—X— FENCE
- SAN — SANITARY
  - ST — STORM
  - MH — MANHOLE
  - TOP — TOP OF CASTING
  - INV — INVERT / FLOW LINE
  - WV — WATER VALVE
  - GV — GAS VALVE
  - WM — GAS METER
  - EM — ELECTRIC METER
  - S.R. — STATE ROUTE
  - TELE — TELEPHONE
  - ROP — REINFORCED CONCRETE PIPE
  - CPP — CORRUGATED PLASTIC PIPE

UTILITY PLAN

CHURCH VIEW SENIOR RESIDENCES  
prepared for  
WESTMORELAND COUNTY HOUSING AUTHORITY  
situated in  
MOUNT PLEASANT TOWNSHIP, WESTMORELAND COUNTY, PA

SHEET NO.  
C400

DWG PATH: P:\GMA\1808\_1809\_2024\2024\1808-13 ChurchView Commons - LandDev-21 utility\_A.dwg  
LAST SAVE: Jan 11, 2025 - 6:27pm

**MKA** Morris Knowles & Associates, Inc.  
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Consulting Engineers and Land Surveyors  
1740 Golden Mile Highway, Suite 101  
Pittsburgh, PA 15203  
Telephone: (724) 488-4822  
Fax: (724) 488-8840  
info@morrisknowles.com www.morrisknowles.com

DESIGNED BY: SPP  
REVIEWED BY: WPU  
DRAWN BY: SPP  
DATE: JAN 2025  
PROJ. NO.: 1885.10

SCALE:  
1" = 30'

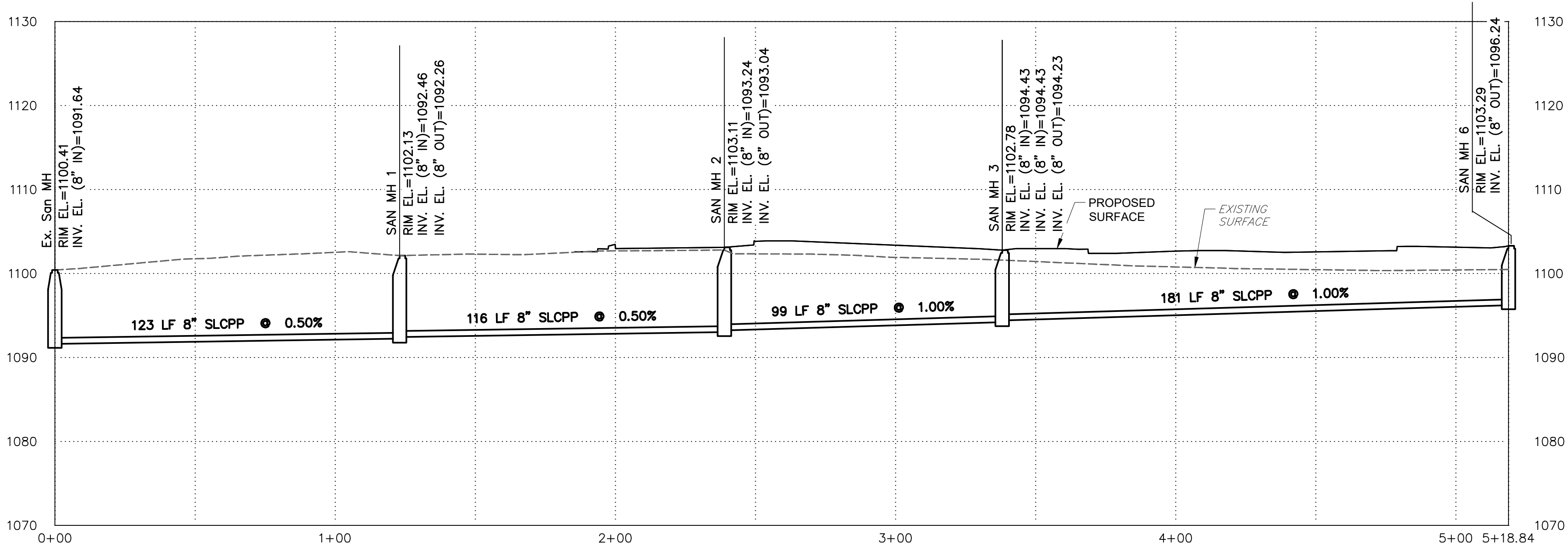
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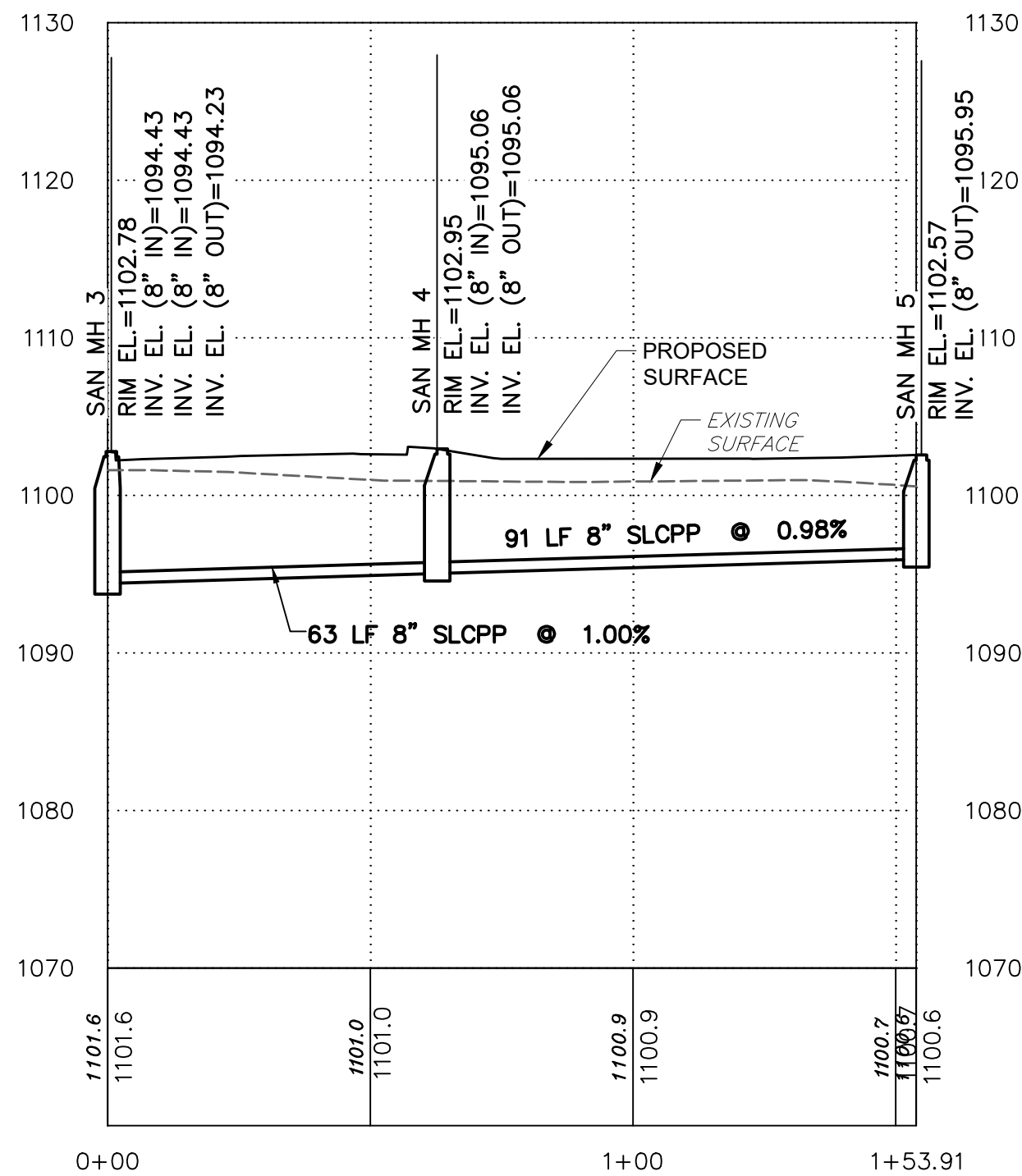
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SANITARY PROFILE: EXIST SAN MH TO MH 6  
SCALE: HORIZ. 1"=30'  
VERT. 1"=10'

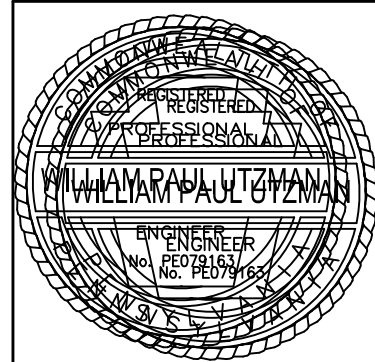


SANITARY PROFILE: SAN MH3 TO MH 6  
SCALE: HORIZ. 1"=30'  
VERT. 1"=10'

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UTILITY PLAN

CHURCH VIEW SENIOR RESIDENCES

prepared for

WESTMORELAND COUNTY HOUSING AUTHORITY

situated in

MOUNT PLEASANT TOWNSHIP, WESTMORELAND COUNTY, PA

SHEET NO. C401

MKA

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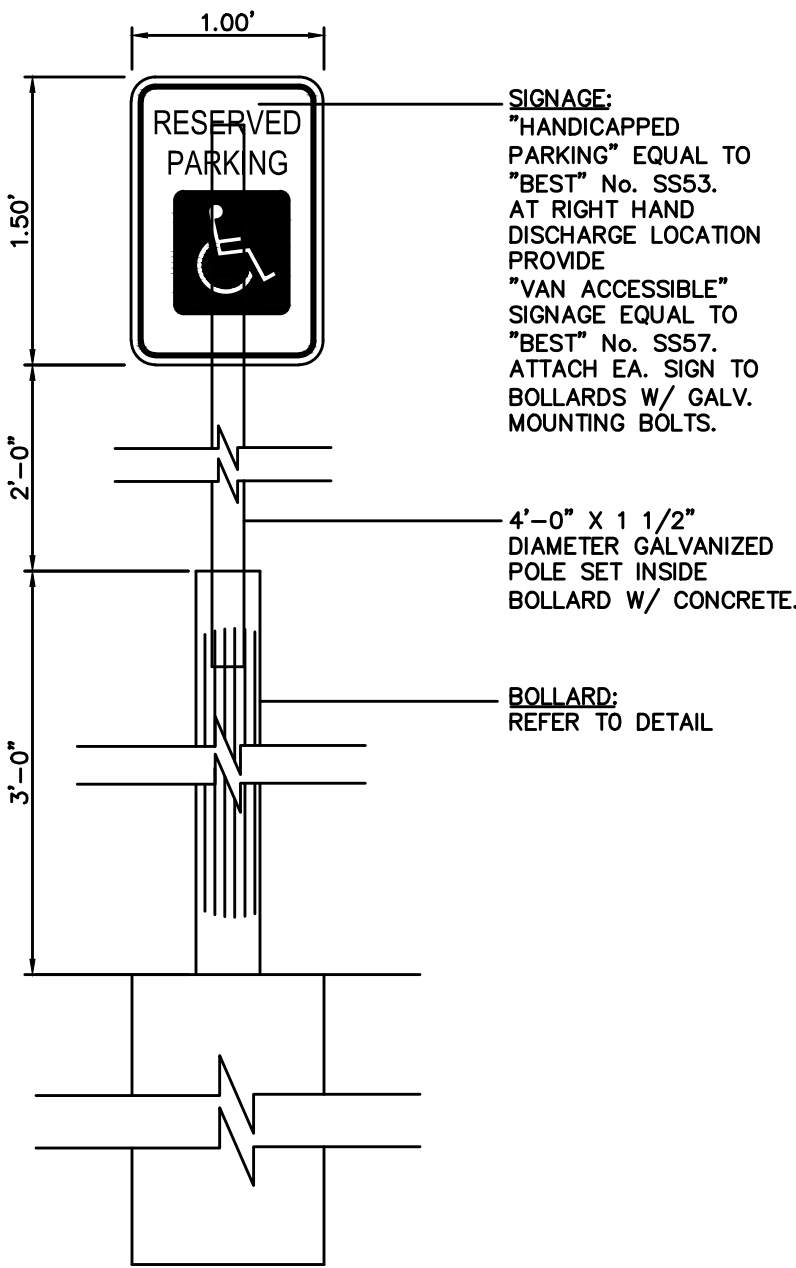
SCALE:  
1" = 30'

REVISION BY: \_\_\_\_\_  
REVISION BY: \_\_\_\_\_  
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DWG. PATH: P:\GMA\1885.10\1885.10 CHURCHVIEW Commons\CD\1885.10 - ChurchView Commons - LandDev-21.dwg, A.dwg  
LAST SAVE: Jan 11, 2025 - 6:33pm



HANDICAP PARKING SIGN

N.T.S.

MAX. ALLOWABLE RAMP SLOPE	RECOMMENDED SLOPE
1:10 (10:1)	1:12 (12:1)
1:12 (12:1)	1:14 (14:1)

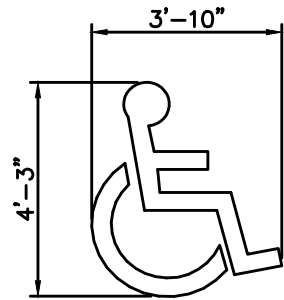
RECOMMENDED SLOPES

MAX. ALLOWABLE RAMP SLOPE	MAX. ALLOWABLE RAMP SLOPE	RECOMMENDED SLOPE
LESS THAN OR EQUAL TO 3"	1:8 (8:1)	1:8 (8:1)
LESS THAN OR EQUAL TO 6"	1:10 (10:1)	1:10 (10:1)
GREATER THAN 6"	1:12 (12:1)	1:12 (12:1)

ALLOWABLE ALTERATIONS TO RAMP SLOPES

NOTE:  
THE LEAST POSSIBLE SLOPE IS USED FOR ALL CURB RAMPS. HOWEVER FOR ALTERATIONS WHERE SPACE IS LIMITED, THE RAMP SLOPE MAY BE STEEPENED. THE CHART ABOVE DEPICTS THE MAXIMUM ALLOWABLE SLOPE THAT MAY BE USED.

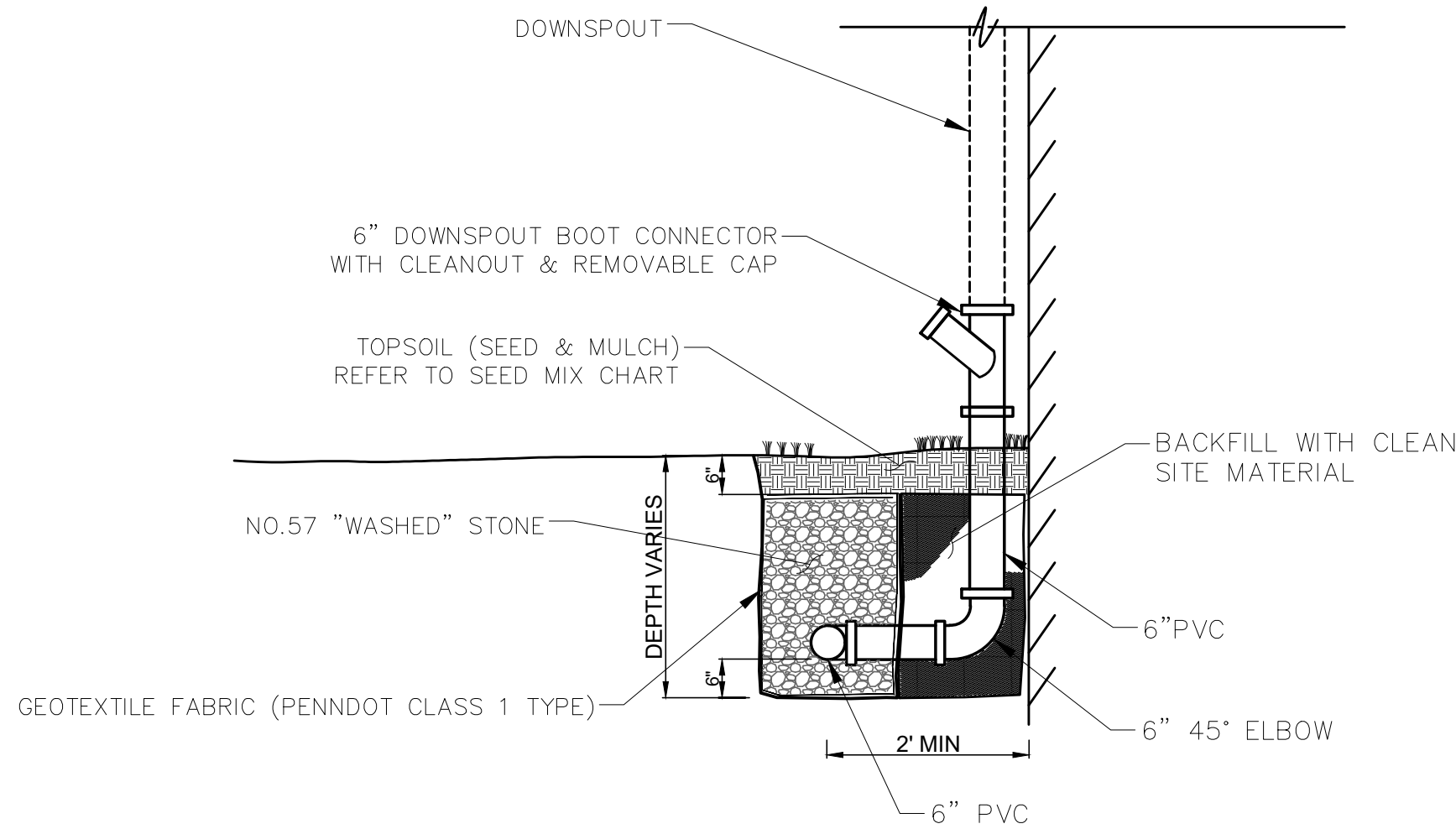
- ④ 1:12 (12:1) MAX RAMP SLOPE  
⑪ 8% MAX CHANGE IN GRADE BETWEEN ROAD SURFACE AND DRIVEWAY



SYMBOL SHALL BE PAINTED WITH BLUE PAVEMENT MARKING STRIPPING PAINT

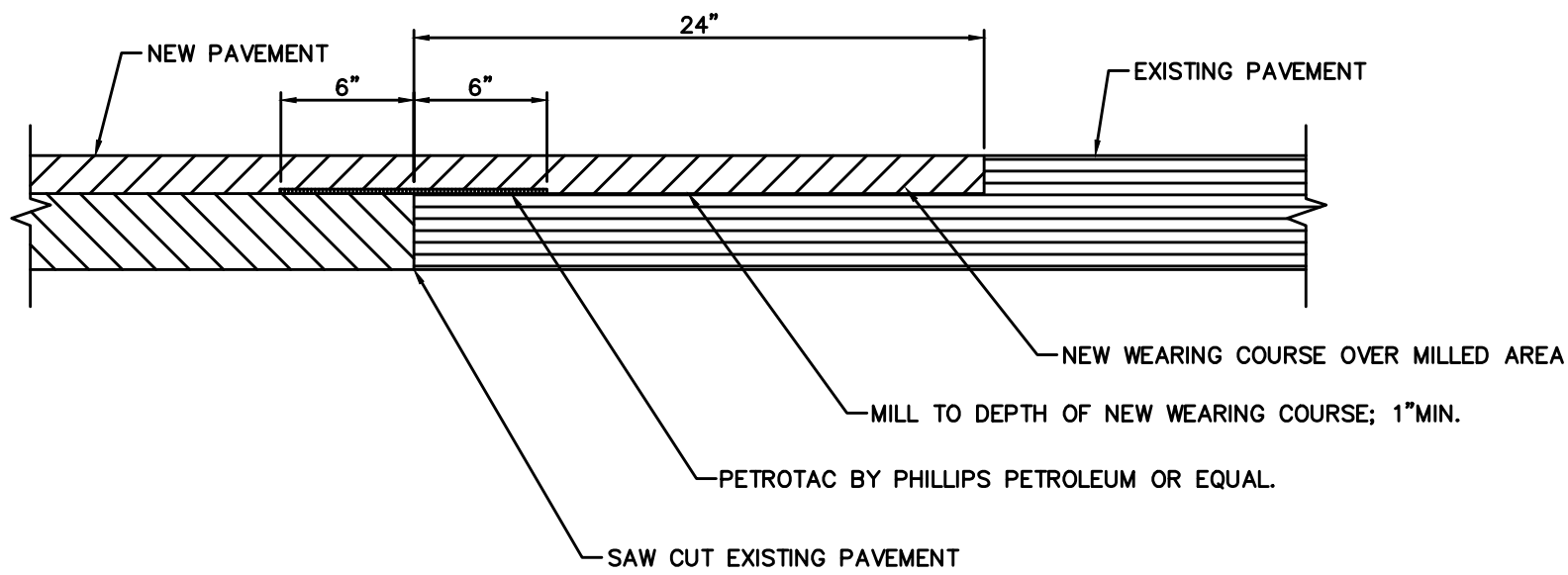
HANDICAP SYMBOL

N.T.S.



TYPICAL DOWNSPOUT CONNECTION

N.T.S.



PAVING NOTES:

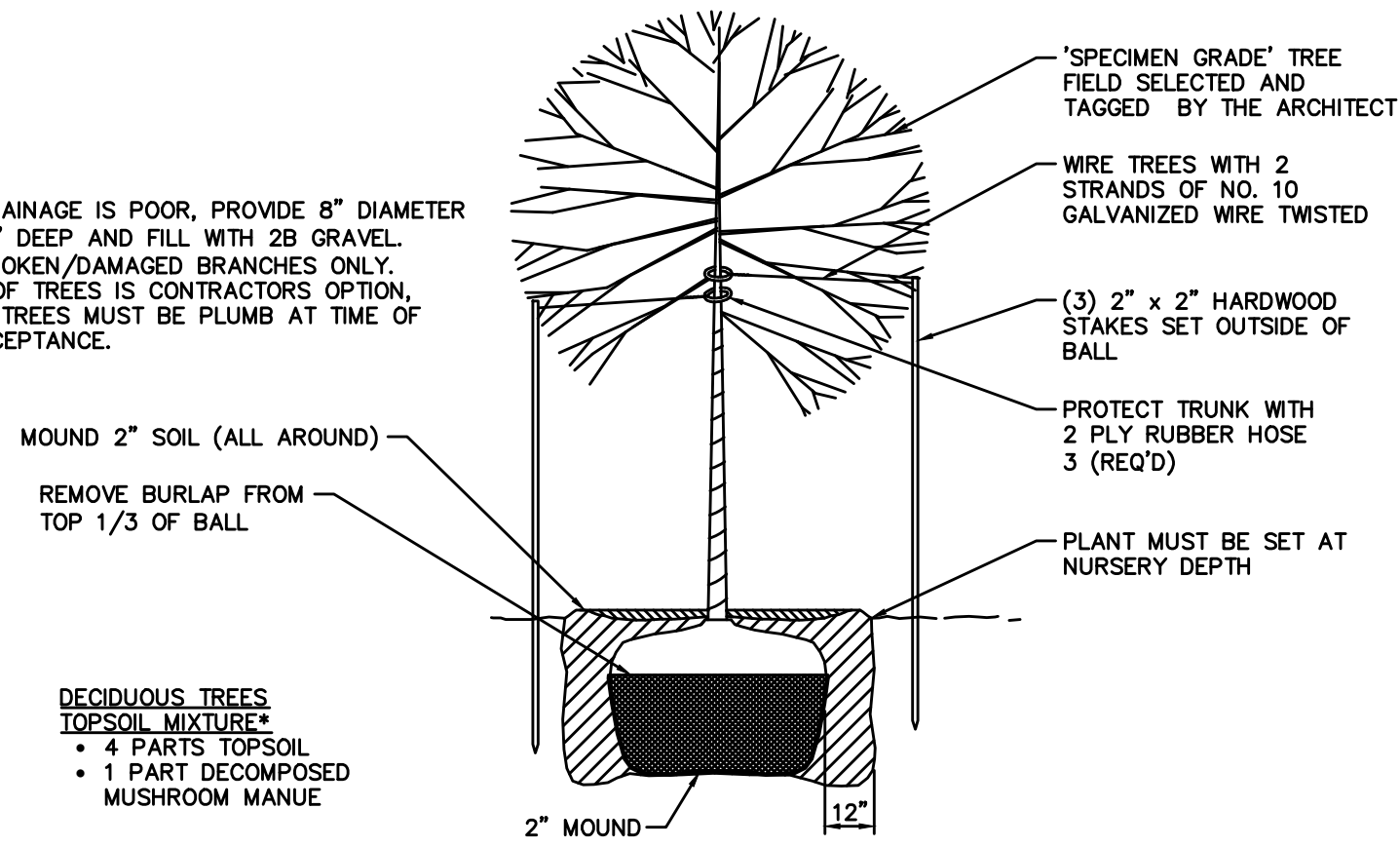
- IF SUBGRADE MATERIALS ARE UNSUITABLE, CONTRACTOR SHALL EXCAVATE TO SUITABLE MATERIAL, FILL AND COMPACT TO PENNSYLVANIA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS.
- CONTRACTOR SHALL INSTALL AND COMPACT SUBBASE ACCORDING TO PENNSYLVANIA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS AND IN LIFTS NO MORE THAN 2" TO 3".
- TACK COAT SHALL BE APPLIED AS NECESSARY BETWEEN ALL COURSES OF FLEXIBLE PAVEMENT
- CONTRACTOR SHALL PROVIDE 10' OF ROUNDING ON CHANGES OF GRADE IN DRIVEWAYS.
- CONTRACTOR SHALL VERIFY PAVEMENT DESIGN AND CONSULT THE ENGINEER WHEN PROPER SOIL TESTS AND EVALUATIONS ARE PERFORMED. THE PAVEMENT DESIGN BELOW WAS BASED UPON THE GEOTECH'S RECOMMENDATIONS.
- CONTRACTOR SHALL COMPACT THE SUBGRADE TO AT LEAST 98% OF THE MAXIMUM DENSITY IN ACCORDANCE WITH ASTM D-698. THE SUBGRADE SHALL BE IN A STABLE, NON-YIELDING CONDITION AT THE TIME OF PAVING.
- THE CONTRACTOR SHALL PROOF ROLL THE SUBGRADE OF ALL AREAS SCHEDULED FOR PAVEMENT REPLACEMENT PRIOR TO PLACING GEOTEXTILE FABRIC.

PAVEMENT CONNECTION - PROPOSED TO EXISTING

N.T.S.

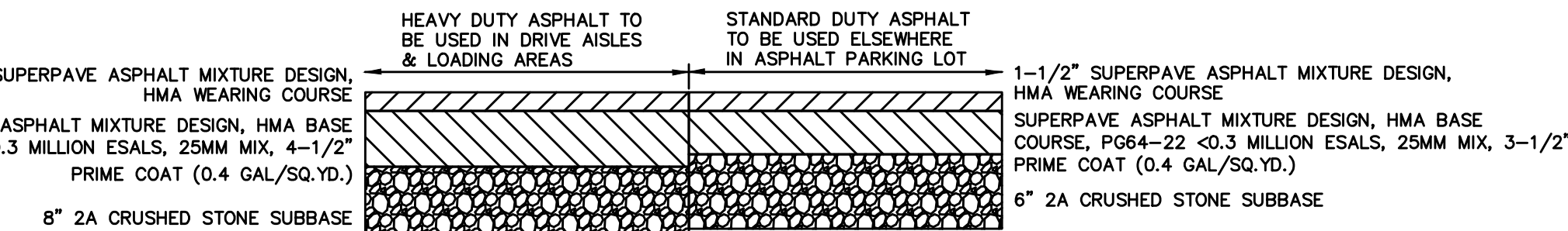
NOTES:

- WHERE DRAINAGE IS POOR, PROVIDE 8" DIAMETER HOLE 12" DEEP AND FILL WITH 2B GRAVEL.
- PRUNE BROKEN/DAMAGED BRANCHES ONLY.
- STAKING OF TREES IS CONTRACTORS OPTION, HOWEVER TREES MUST BE PLUMB AT TIME OF FINAL ACCEPTANCE.



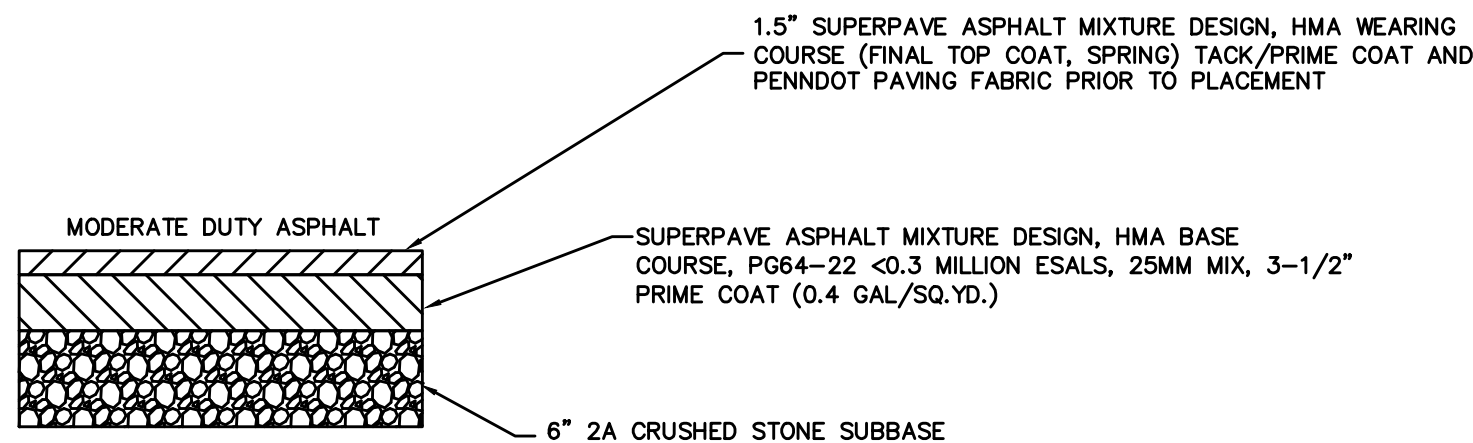
DECIDUOUS TREE PLANTING

N.T.S.



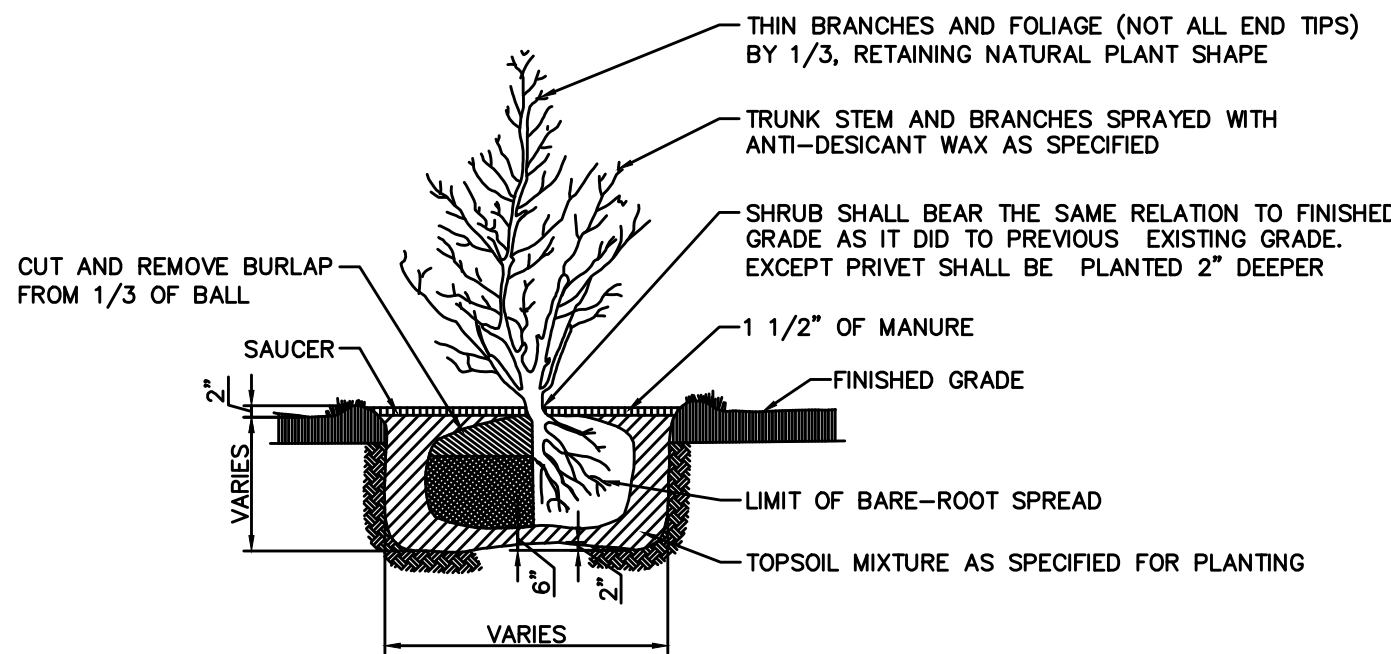
ASPHALTIC CONCRETE PAVEMENT DETAIL

N.T.S.



ASPHALTIC CONCRETE PAVEMENT DETAIL

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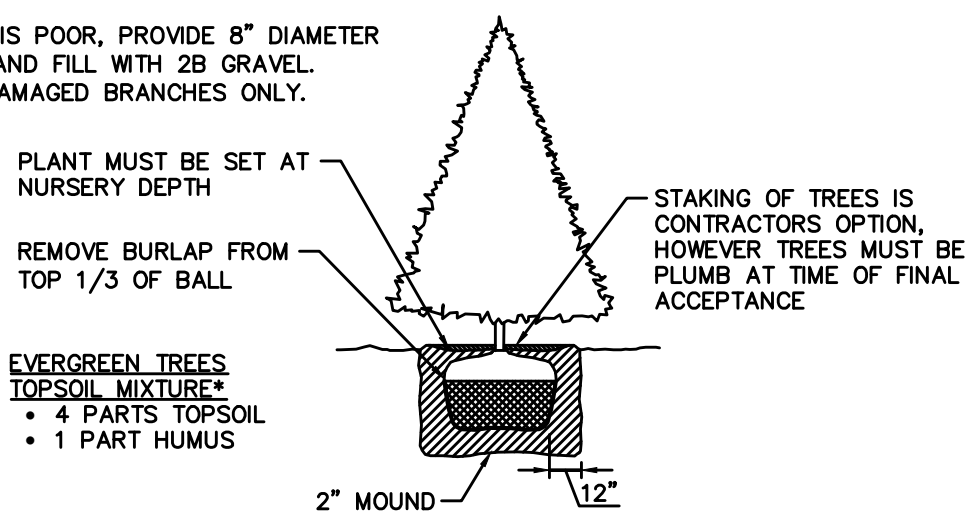


SHRUB PLANTING DETAIL

N.T.S.

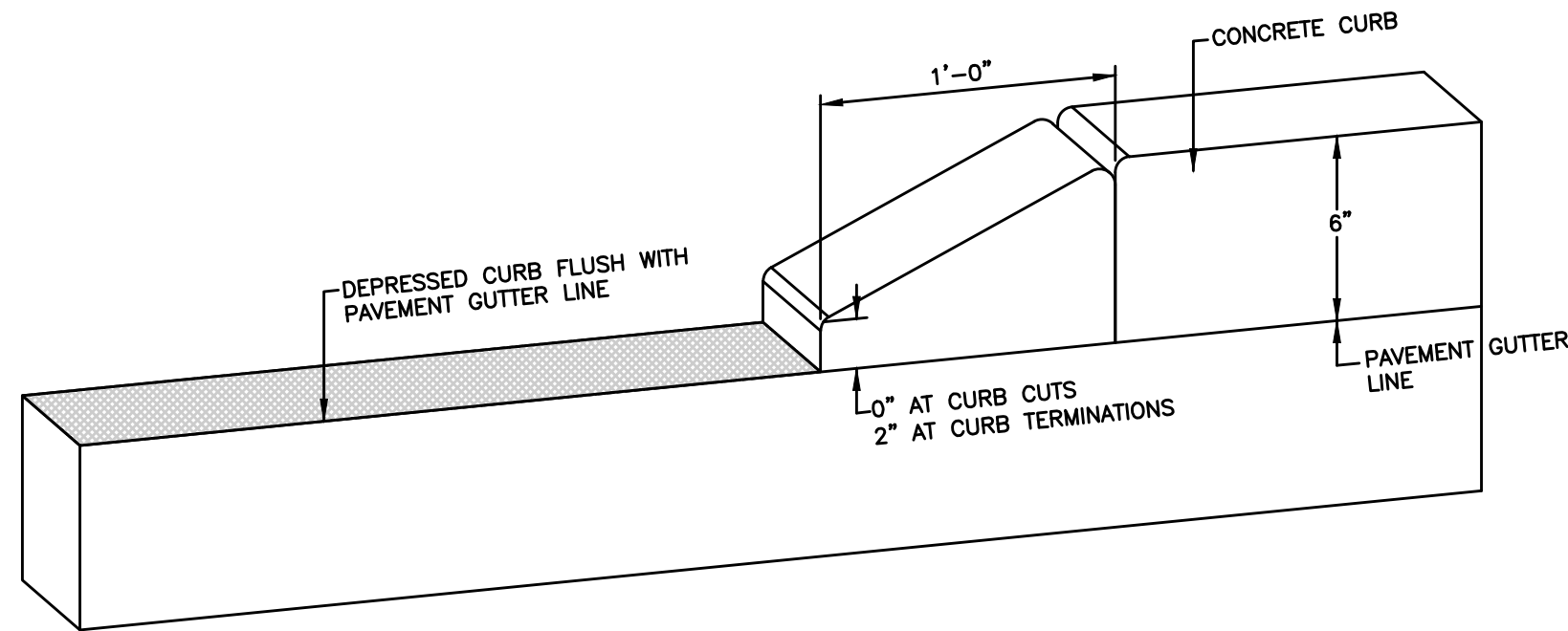
NOTES:

- WHERE DRAINAGE IS POOR, PROVIDE 8" DIAMETER HOLE 12" DEEP AND FILL WITH 2B GRAVEL.
- PRUNE BROKEN/DAMAGED BRANCHES ONLY.



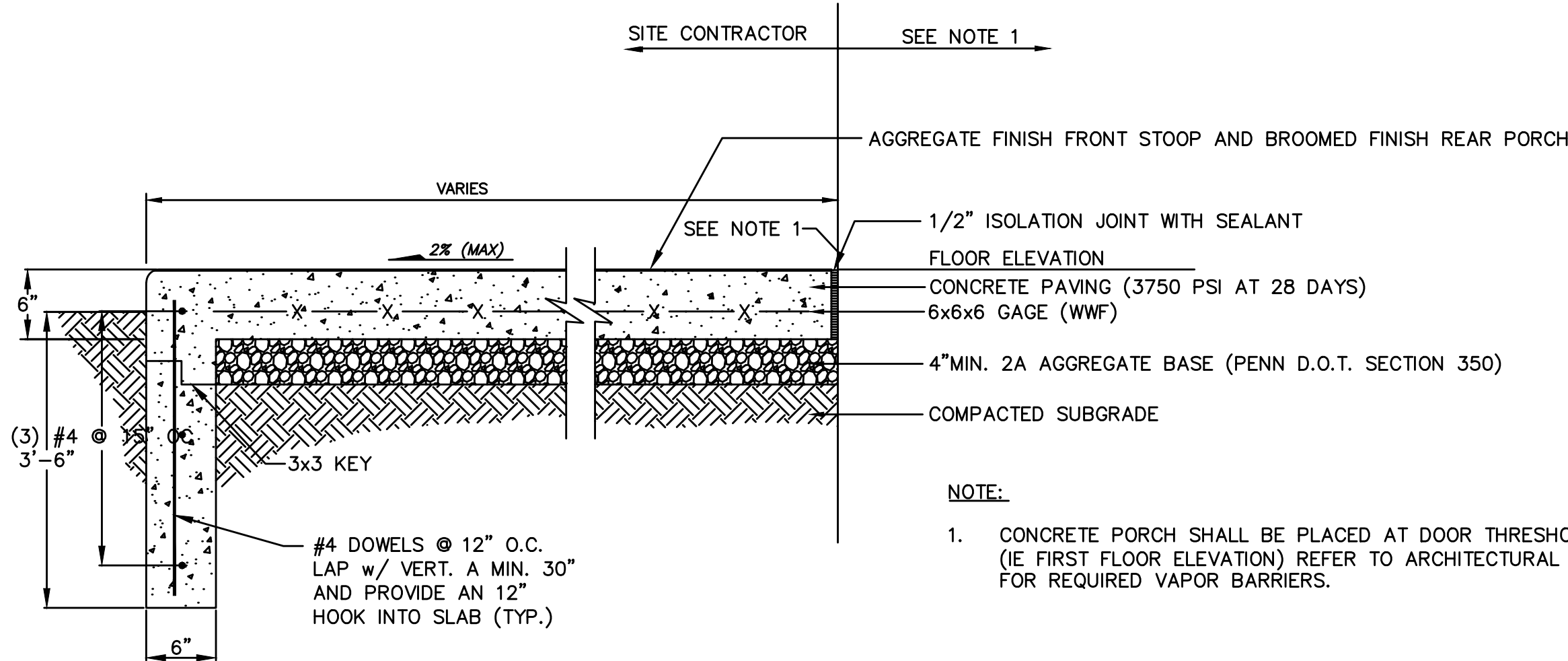
EVERGREEN TREE PLANTING

N.T.S.



DEPRESSED CURB AND CURB TAPER DETAIL

N.T.S.



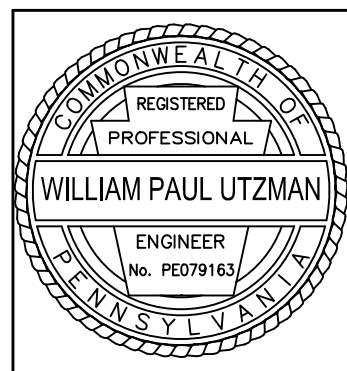
CONCRETE STOOP / FROST WALL TYPICAL DETAIL

N.T.S.

THE ENGINEER ASSUMES NO RESPONSIBILITY FOR ANY CHANGES IN DESIGN PLANS UNLESS WRITTEN CONSENT IS GIVEN BY THE ENGINEER. THE CONTRACTOR AND/OR THE OWNER WILL BE HELD RESPONSIBLE FOR ANY FIELD MODIFICATIONS MADE WITHOUT THE WRITTEN CONSENT OF THE ENGINEER AND NECESSARY APPROVALS BY PERMITTING AGENCIES.

THE LOCATION OF EXISTING UTILITIES WERE TAKEN FROM RECORDS AND MARKING PROVIDED BY OTHERS AND OBSERVED EVIDENCE. THE LOCATIONS SHOWN MAY BE APPROXIMATE. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATIONS, SIZES AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL EXERCISE CARE TO AVOID DAMAGE TO ALL EXISTING UTILITIES.

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GENERAL DETAILS

CHURCH VIEW SENIOR RESIDENCES

prepared for  
WESTMORELAND COUNTY HOUSING AUTHORITY

situated in  
MOUNT PLEASANT TOWNSHIP, WESTMORELAND COUNTY, PA

Morris Knowles & Associates, Inc.

(A Hammontree Company)  
Consulting Engineers and Land Surveyors

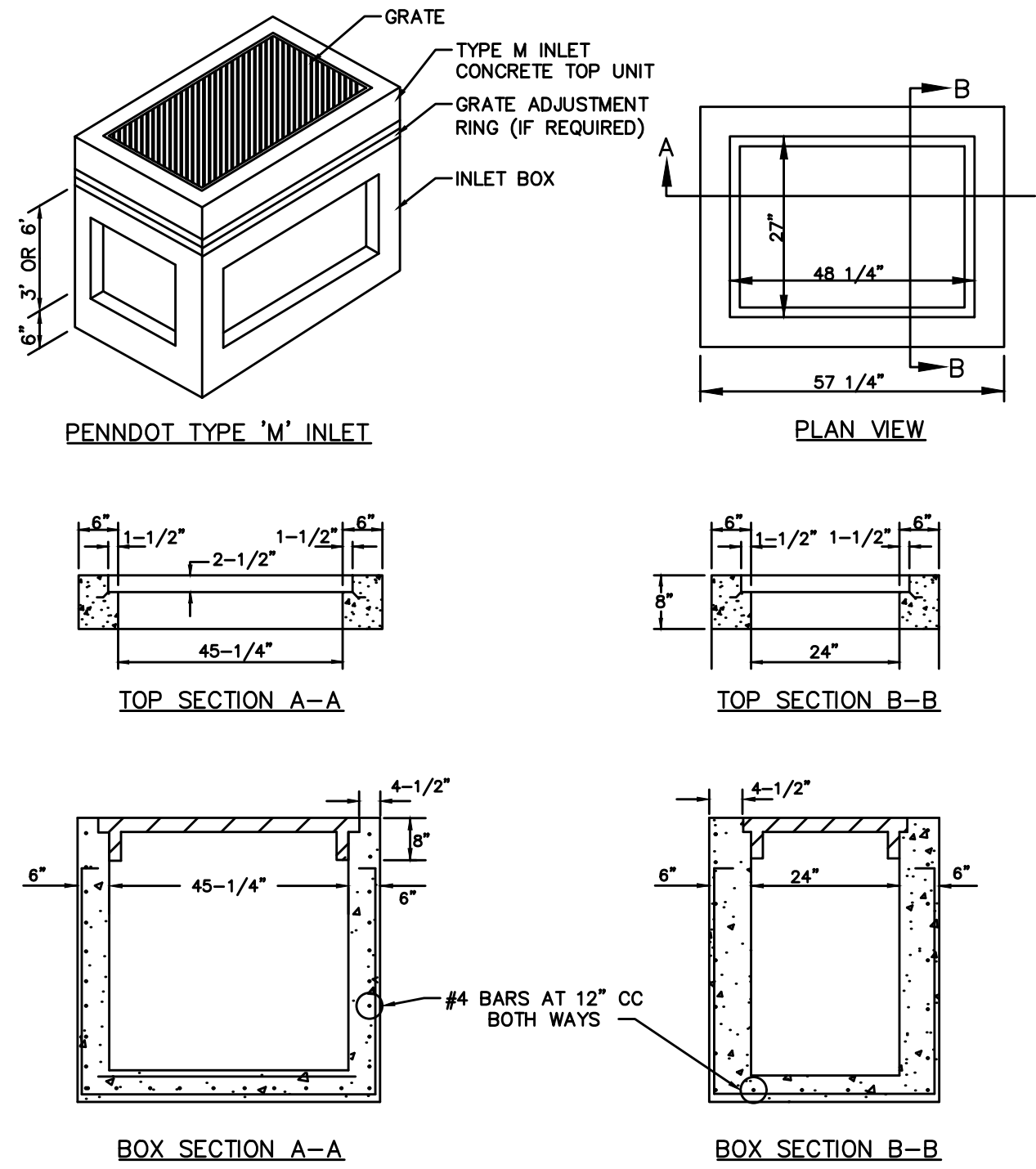
1740 Golden Mile Highway, Suite 101  
Pittsburgh, PA 15203  
Telephone: (724) 488-4822  
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info@morrisknowles.com www.morrisknowles.com

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REVIEWED BY: WPU  
DRAWN BY: SPP  
DATE: JAN 2025  
PROJ. NO.: 1885.10

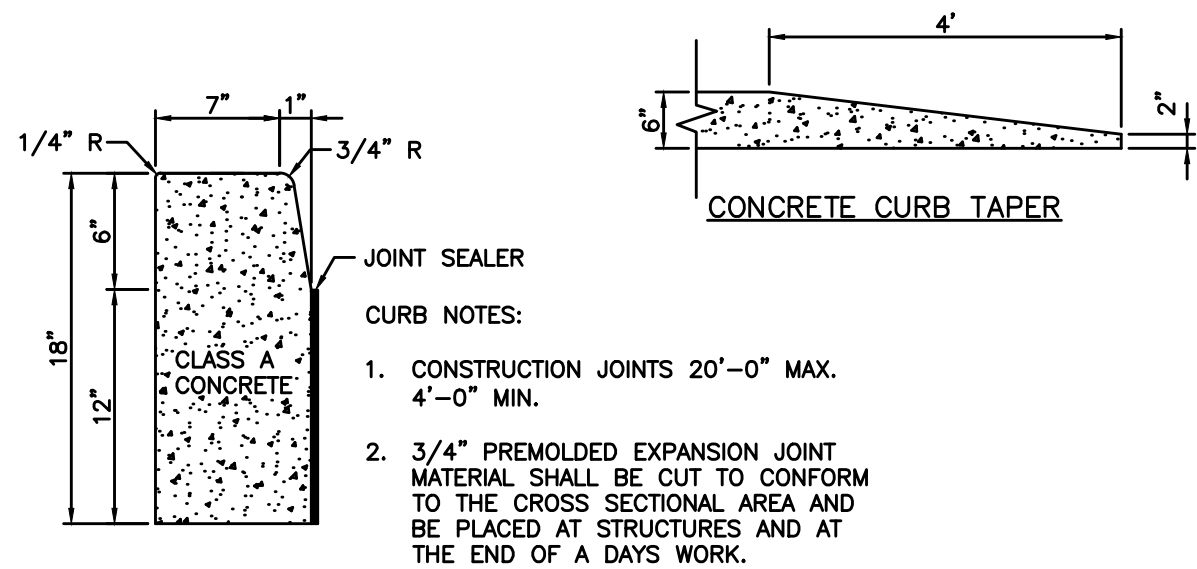
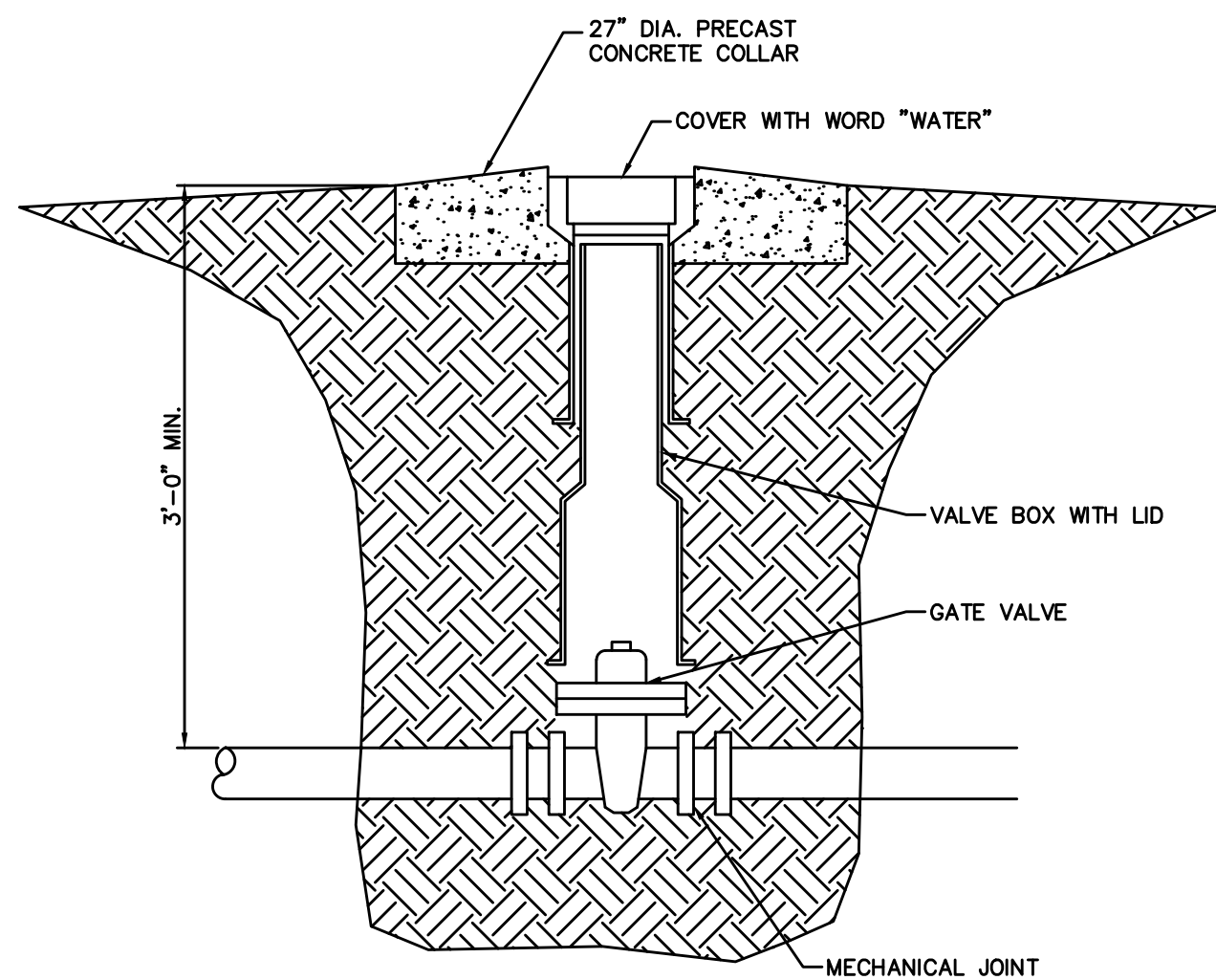
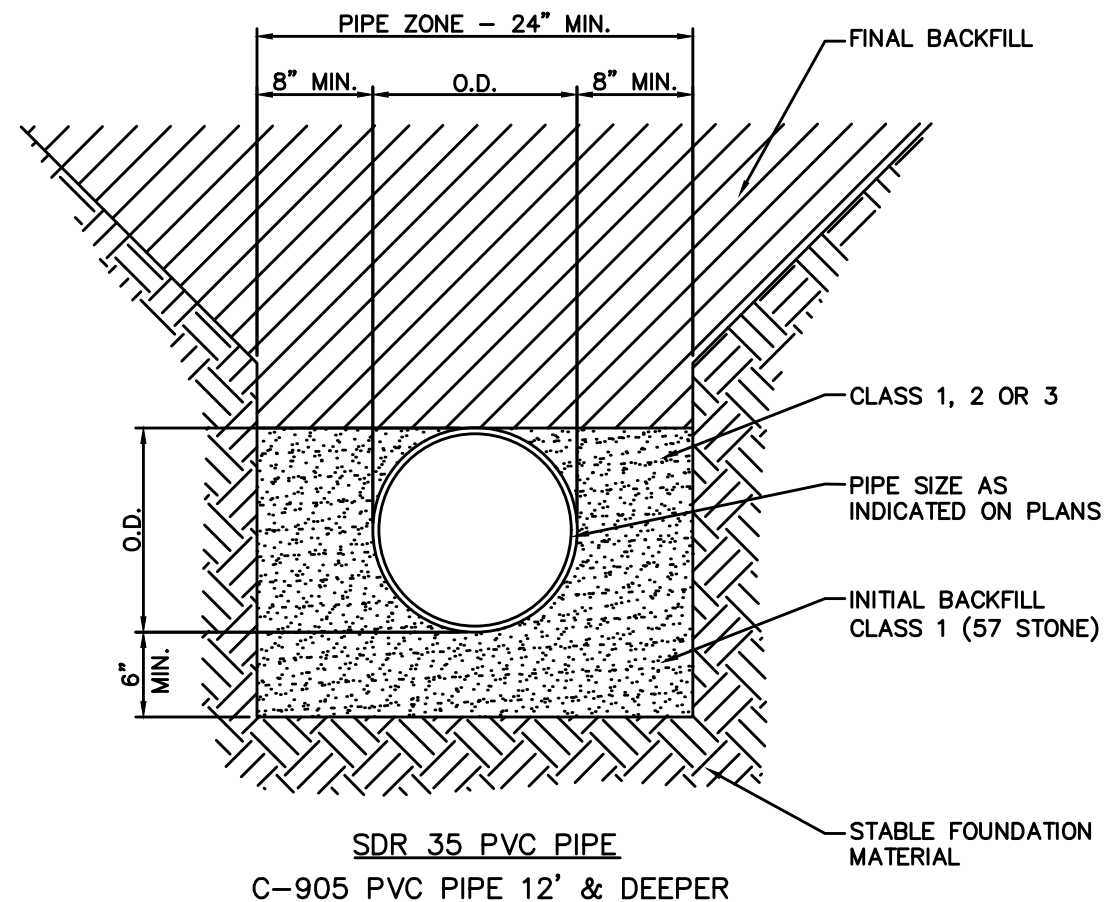
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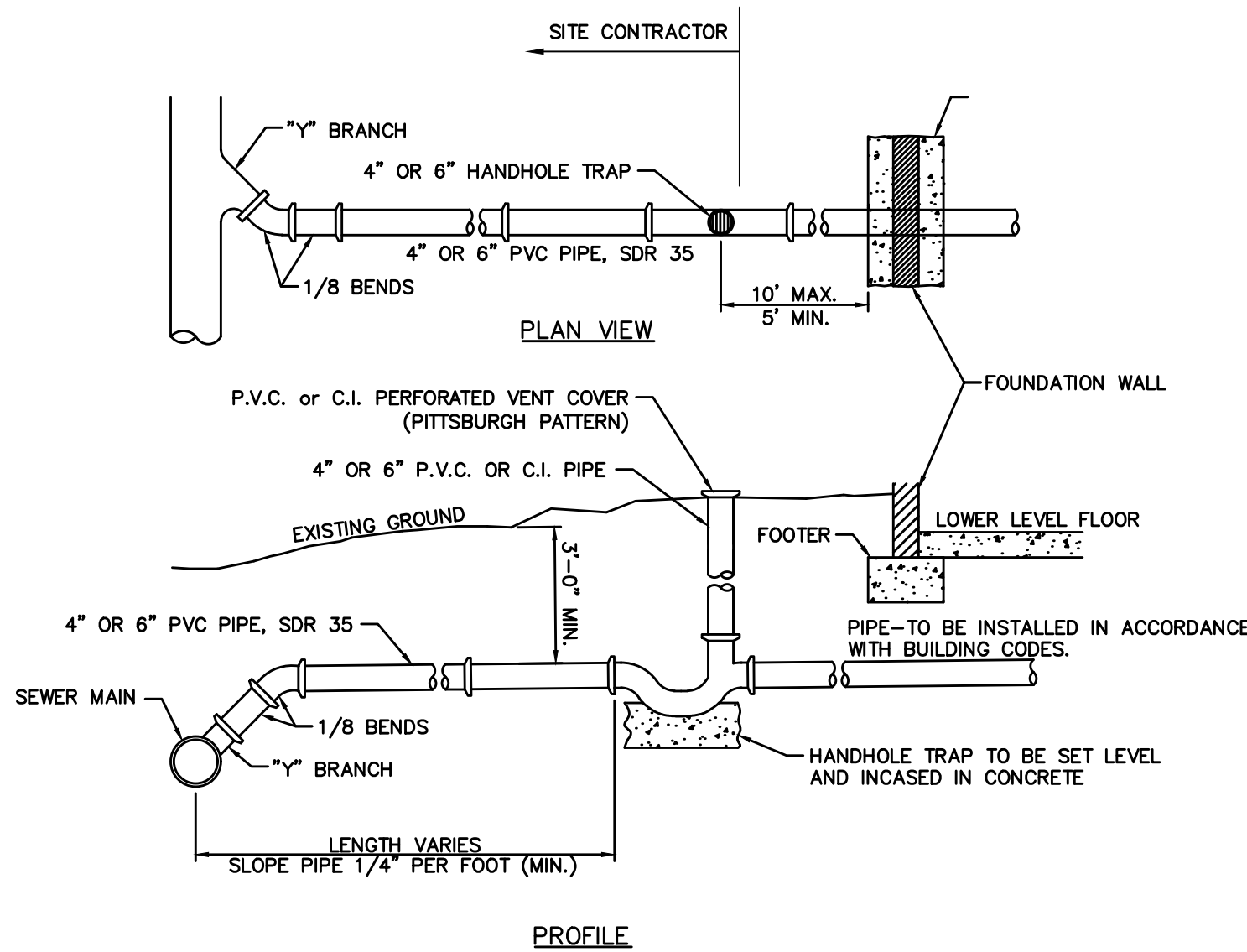
NOTES:  
1. PROVIDE MATERIALS AND CONSTRUCTION MEETING THE REQUIREMENTS OF PUBLICATION 408, SECTIONS 350, 409, 630, 676, 694, AND 695.  
2. PROVIDE EXPANSION JOINT MATERIAL 13 (1/2") THICK WHERE CURB RAMP ADJOINS ANY RIGID PAVEMENT, SIDEWALK OR STRUCTURE WITH THE TOP OF JOINT FILLER FLUSH WITH ADJACENT CONCRETE SURFACE.  
3. SEAL JOINTS WITH AN APPROVED SEALING MATERIAL.  
4. PROVIDE SLIP RESISTANT TEXTURE ON CURB RAMP BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP. EXTEND TEXTURE THE FULL WIDTH AN LENGTH OF THE CURB RAMP INCLUDING FLARED SIDE RAMPS.  
5. MODIFY CONSTRUCTION DETAILS TO ADAPT DIMENSIONS TO EXISTING CURB ALTERATIONS WHERE THE CURB IS LESS THAN THE STANDARD 200 (8") HEIGHT.  
6. CURB RAMP AND SIDE FLARE LENGTHS ARE VARIABLE AND BASED ON CURB HEIGHT AND THE SIDEWALK SLOPE.  
7. IT MAY BE NECESSARY TO LIMIT THE RUN OF PARALLEL OR PERPENDICULAR RAMP IN ORDER TO AVOID CHASING GRADE INDEFINITELY. RAMP LENGTH NOT TO EXCEED 15'-0", ADJUST RAMP SLOPE AS NEEDED.  
8. WHENEVER POSSIBLE, CONSTRUCT THE TRANSITION SLOPE FROM THE CURB RAMP AND FLARE SIDES TO ADJOINING SURFACES WITH A GRADUAL ROUNDED SHAPE RATHER THAN AN ABRUPT ANGLE. ENSURE CONSTRUCTION IS WITHIN MAXIMUM SLOPE.  
9. CONSTRUCT BUILT-UP CURB RAMP OF BITUMINOUS MATERIAL AS INDICATED, INCLUDING SURFACE PREPARATION AND TACK COAT, AS REQUIRED.  
10. ALIGN DETECTABLE WARNING DOMES ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF PEDESTRIAN TRAVEL.  
11. PROVIDE DETECTABLE WARNING SURFACES THAT CONTRAST VISUALLY WITH ADJACENT WALKWAY SURFACES, EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT FOR THE FULL WIDTH OF THE RAMP.  
12. NOWHERE SHALL THE CROSS SLOPE OF THE RAMPS ACCESSIBLE ROUTE EXCEED 2%.  
13. CONSTRUCT RAMP AND FLARE SLOPES WITH THE FLATTEST SLOPE POSSIBLE. THE SLOPES INDICATED IN THE DETAILS SHOW THE MAX SLOPE ALLOWABLE. IT IS STRONGLY RECOMMENDED TO USE THE FOLLOWING SLOPES TO ALLOW FOR CONSTRUCTION TOLERANCES.



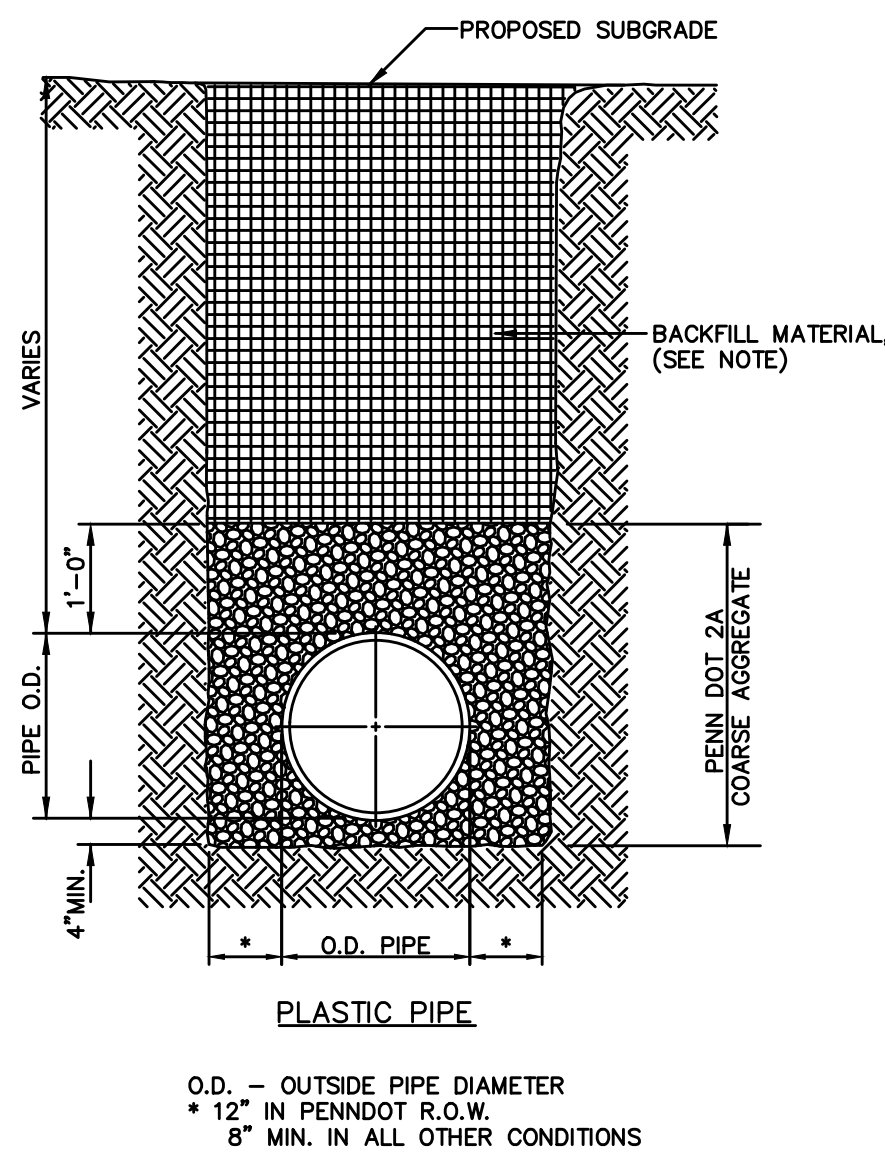
**TYPE "M" INLET**  
N.T.S.



**PENNDOT PLAIN CEMENT CONCRETE CURB**  
N.T.S.



**SANITARY SEWER SERVICE LATERAL AT BUILDING**  
N.T.S.



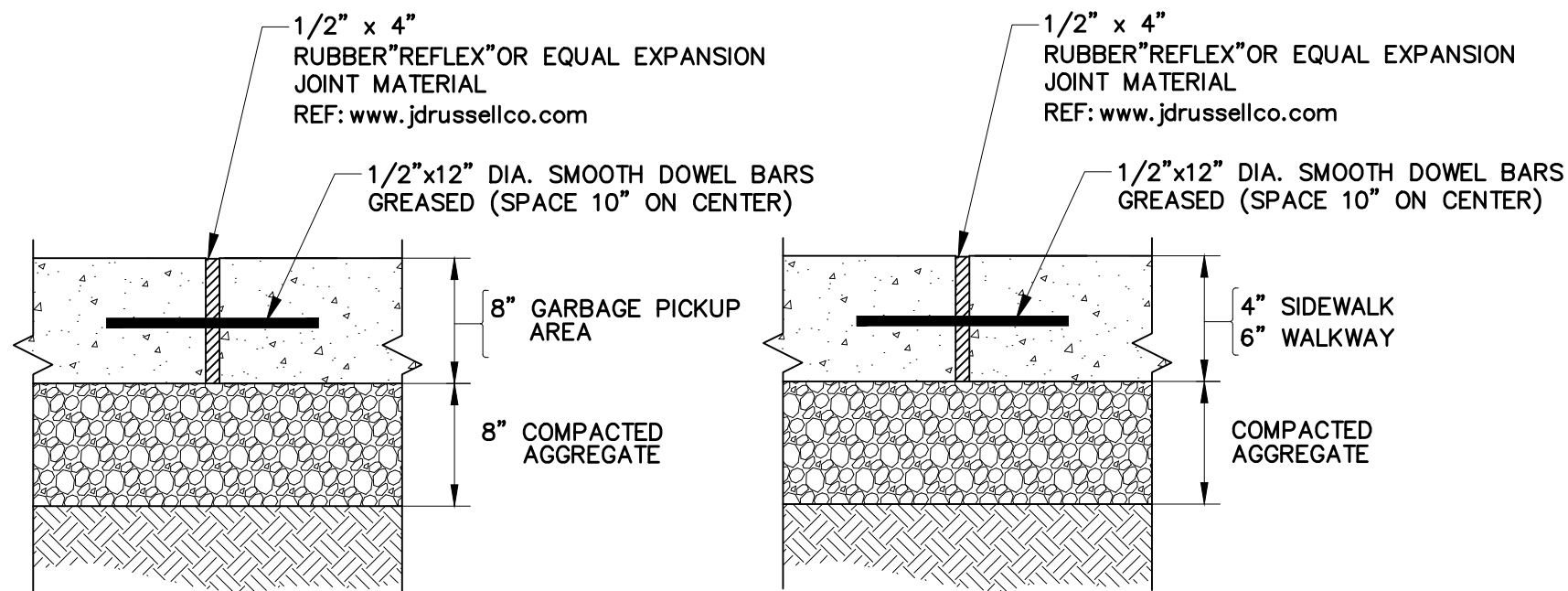
**STORM SEWER STANDARD TRENCHING**  
N.T.S.

**BACKFILL:**  
ALL STREET, SIDEWALK AND PARKING AREA CROSSINGS SHALL BE BACKFILLED TO SUBGRADE WITH AASHTO #57 AGGREGATE, GRAVEL OR STONE FOR SEWERS AND 2A LIMESTONE FOR ALL OTHER UTILITIES.

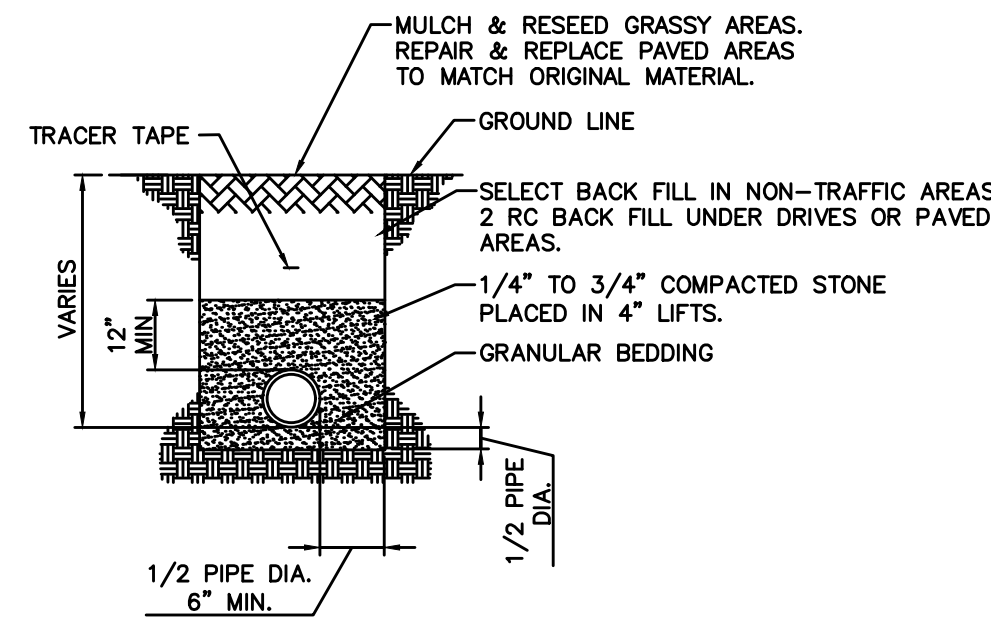
IN ALL OTHER TRENCH AREAS; BACKFILL FROM THE SPRINGLINE TO (1) ONE FOOT ABOVE THE TOP OF PIPE, TO BE SELECTED MATERIAL (SELECTED MATERIAL IS FINELY DIVIDED MATERIAL FREE OF DEBRIS, ORGANIC MATERIAL AND STONES.), TAMPED IN (4) FOUR INCH LAYERS; THEN THE REMAINING BACKFILL FROM THE TRENCH MAY BE PLACED. IF UNSUITABLE BACKFILL IS DETERMINED TO BE PRESENT BY THE OWNER REPRESENTATIVE, IMPORTED BACKFILL WILL BE REQUIRED.

**JOINT NOTES:**

- JOINTS SHALL BE TOOLED, NOT SAWCUT.
- JOINT FILLER MATERIAL (© ALL ISOLATION JOINTS) SHALL BE RUBBER "FEFLEX" OR APPROVED EQUAL, IN ACCORDANCE W/ PENNDOT PUBLICATION 408. FOAM BACKER ROD (© ALL CONTRACTION JOINTS) SHALL BE MANUFACTURED FOR USE IN PAVEMENT AND WALKWAY JOINTS BY THE JOINT SEALANT MANUFACTURER.
- W.C.H.A. RESERVES THE RIGHT TO DISASSEMBLE ONE (1) ISOLATION AND ONE (1) CONTRACTION JOINT AT THE CONTRACTOR'S EXPENSE TO DETERMINE COMPLIANCE WITH CONTRACT REQUIREMENTS.

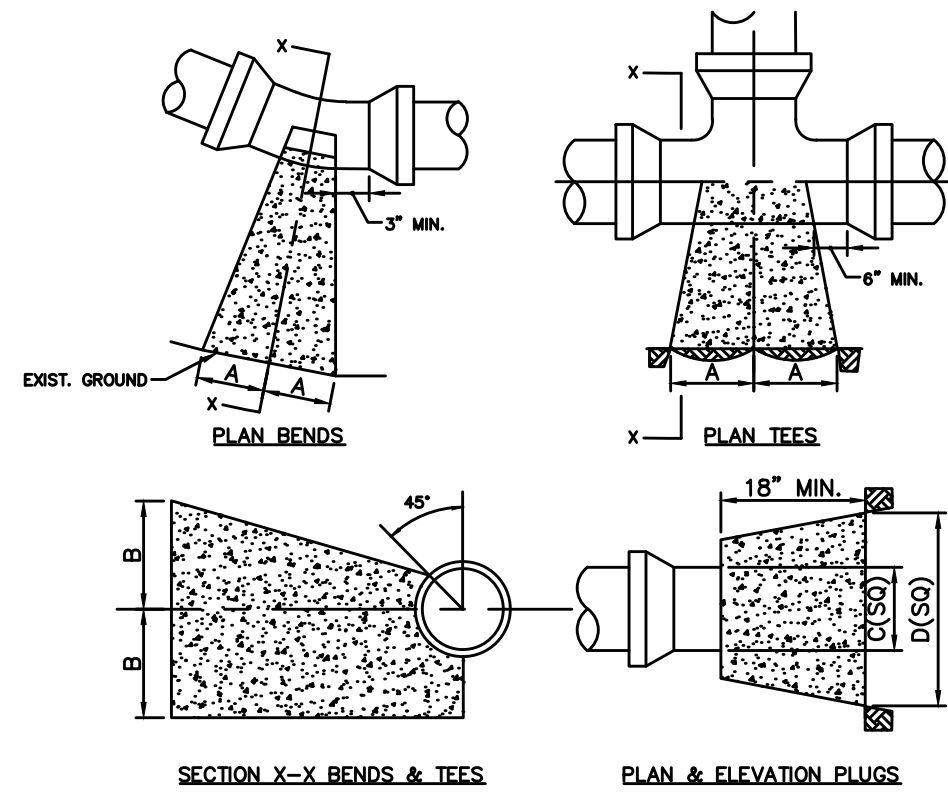


**CONCRETE SIDEWALK EXPANSION JOINT**  
N.T.S.



TRACER TAPE:  
PROVIDE AN ELECTRICALLY CONTINUOUS TYPE TW, INSULATED, NUMBER 14 TRACER WIRE IN THE TRENCH 23 INCHES ABOVE THE PIPE AND TERMINATING ABOVE GROUND WITH A 2 INCH LEAD TAPED AROUND EACH RISER OR VALVE.

**TYPICAL WATERLINE TRENCH DETAIL**  
N.T.S.



	90° BENDS		45° BENDS		22 1/2° BENDS		TEES		PLUGS	
	A	B	A	B	A	B	A	B	C	D
	14"	10"	9"	10"	8"	8"	10"	12"	10"	21"
	22"	13"	12"	13"	8"	10"	13"	18"	12"	29"
	28"	17"	14"	17"	10"	13"	18"	20"	14"	36"
	36"	21"	18"	21"	11"	16"	18"	24"	16"	41"
	36"	24"	19"	24"	12"	20"	22"	27"	18"	48"
	38"	27"	21"	27"	12"	24"	24"	30"	20"	54"

NOTE: Based on 1.5 X working pressure of 100 PSI plus AWWA Water Hammer.  
All bearing surfaces to be carried to undisturbed ground.

**STANDARD THRUST BLOCK FOR WATER MAINS**  
N.T.S.

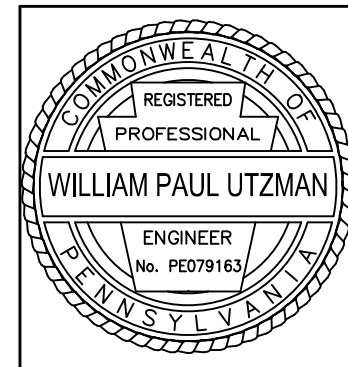
**NOTES:**

- WHERE GRADE ELEVATIONS ARE SHOWN, A UNIFORM SLOPE SHALL EXIST BETWEEN GIVEN ELEVATIONS.
- THE TOP AND BOTTOM OF ALL SLOPES SHALL BE ROUNDED OFF TO SMOOTH CURVES.
- THE HIGH AND LOW POINTS ON CURBS, WALKS, AND ROADS SHALL BE ROUNDED OFF TO SHOW NO DEFINITE CHANGE OF GRADE.
- WALKS SHALL HAVE A MINIMUM CROSS-SLOPE OF AN 1/8" PER FOOT AND A MAXIMUM OF 1/4" PER FOOT UNLESS NOTED OTHERWISE, REINFORCE ALL CONCRETE WALKS, PLATFORMS, STOOPS, ETC. WITH 6x6x6 MESH.
- ALL CONCRETE SIDEWALKS SHALL BE SCORED IN INDIVIDUAL SECTIONS WITH THE LENGTH OF EACH SECTION EQUAL TO THE WIDTH UNLESS NOTED OTHERWISE.
- INSTALL 1/4"x5" ASPHALT IMPREGNATED PREMOULDED EXPANSION JOINTS IN ALL CONCRETE WALKS AT 18'-0" INTERVALS AND AT THE INTERSECTION(S) OF CURBS, STEPS, OTHER WALKS, DIFFERING MATERIALS, ETC., AND/OR AS DIRECTED BY THE ENGINEER.
- INSTALL 1/4" THICK PREMOULDED EXPANSION JOINT IN NEW CURBS AT 18'-0" INTERVALS.

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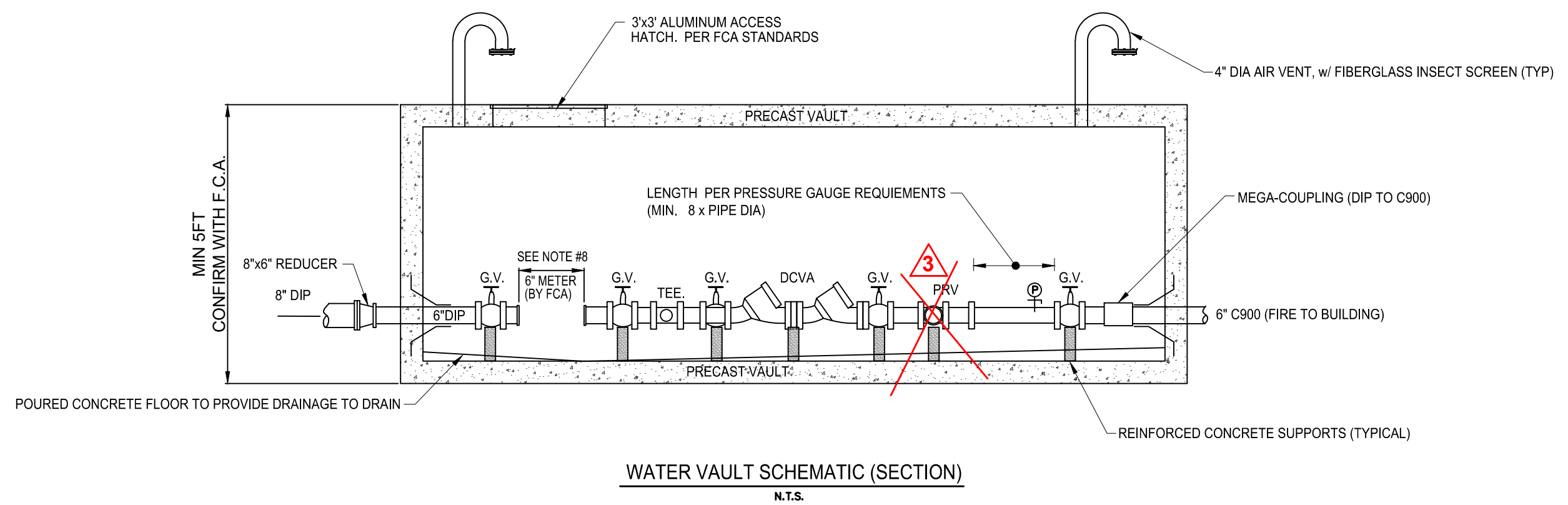
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REVIEWED BY: WPU  
DRAWN BY: SPP  
DATE: JAN. 2025  
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**CHURCH VIEW SENIOR RESIDENCES**  
*prepared for*  
**WESTMORELAND COUNTY HOUSING AUTHORITY**  
*situated in*

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 DWG. PATH: P:\Clients\1885 WCHA 2017-2021\1885.10 ChurchView Commons\CAD\1885.10 - ChurchView Commons - LandBuy-21 units\_A.dwg  
 LAST SAVE: Jan 11, 2025 - 6:37pm

**MKA**  
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# CHURCH VIEW SENIOR RESIDENCES

## EROSION AND SEDIMENTATION CONTROL PLAN S.R. 981, MOUNT PLEASANT, WESTMORELAND COUNTY, PA JANUARY 2025

### CONSTRUCTION SEQUENCE:

THE ENTIRE SITE CANNOT BE CLEARED AND GRUBBED AT ONE TIME. ONLY AREAS FOR WHICH THE SPECIFIED EROSION AND SEDIMENTATION CONTROL HAS BEEN INSTALLED CAN BE CLEARED AND GRUBBED OR DISTURBED.

#### STAGE 1: INSTALL ROCK CONSTRUCTION ENTRANCE AT STATE ROUTE 981

- CLEAR MINIMUM AREA NECESSARY FOR ENTRANCE INSTALLATION.
- EXCAVATE FOR, AND FORM ENTRANCE.
- IMMEDIATELY STABILIZE ENTRANCE WITH ROCK.

#### STAGE 2: INSTALL COMPOST FILTER SOCK

- INSTALL COMPOST FILTER SOCK PER PLAN ON C701.

#### STAGE 3: CLEAR SITE

- ADVANCED CLEARING AND GRUBBING AS MUCH AS POSSIBLE TO REDUCE THE AMOUNT OF AREA DISTURBED AT ANY ONE TIME. RECYCLING OF MATERIALS SHALL BE DONE WHERE POSSIBLE.
- ONLY AREAS FOR WHICH THE SPECIFIED EROSION AND SEDIMENTATION CONTROL HAS BEEN INSTALLED CAN BE CLEARED AND GRUBBED OR DISTURBED.

#### STAGE 4: SOIL STOCKPILE #1

- STRIP TOPSOIL FROM SITE AND PLACE IN DESIGNATED LOCATION.
- SHOULD CONTRACTOR NEEDS TO RELOCATE TO A DIFFERENT AREA ON-SITE TO EFFECTIVELY CARRY OUT THE WORK, IT IS ESSENTIAL THAT FILTER SOCKS ARE INSTALLED ALONG THE LOWER SIDE OF THE STOCKPILE. THIS PRECAUTION WILL HELP TO MITIGATE SEDIMENT RUNOFF AND PROTECT THE SURROUNDING ENVIRONMENT FROM POTENTIAL CONTAMINATION. THE PLACEMENT OF THESE FILTER SOCKS SHOULD BE DONE CAREFULLY TO ENSURE THEY ADEQUATELY CONTROL SEDIMENT FLOW DURING ALL PHASES OF THE PROJECT.

#### STAGE 5: EXCAVATION

- UPON COMPLETION OF THE ROCK CONSTRUCTION ENTRANCE AND INSTALLATION OF ALL PERIMETER CONTROLS, AND TOPSOIL STRIPPING, THE CONTRACTOR SHALL BEGIN EARTHMOVING ACTIVITIES.
- PERFORM SITE GRADING (CUT/FILL OPERATIONS) TO DESIGN GRADE. APPLY TEMPORARY STABILIZATION TO EMBANKMENTS AND FINISH GRADE AREAS IN CUT OR FILL.
- PLACE EROSION CONTROL BLANKET AS NOTED ON PLANS AFTER MATERIAL IS PLACED AND PROPERLY COMPACTED.
- ALL WATER PUMPED FROM WORK AREAS SHALL BE TREATED FOR SEDIMENT REMOVAL PRIOR TO DISCHARGING TO A SURFACE WATER. CONTRACTOR SHALL UTILIZE PUMPED WATER FILTER BAGS PER THE DETAIL ON PLAN SHEET C702.
- AS SOON AS DISTURBED AREA REACHES FINAL GRADE, AREAS MUST BE STABILIZED.
- NO MORE THAN 15,000 SQUARE FEET OF DISTURBED AREA SHALL REACH FINAL GRADE BEFORE INITIATING SEED AND MULCHING OPERATIONS.
- FILL SLOPES SHALL BE STABILIZED IN 15 FOOT VERTICAL INCREMENTS.

#### STAGE 6: INSTALL PROPOSED INFILTRATION BASIN

- PROJECT INFILTRATION BASIN AREA FROM COMPACTION PRIOR TO INSTALLATION. CONTRACTOR SHALL PREVENT COMPACTION WITHIN INFILTRATION AREA TO THE GREATEST EXTEND POSSIBLE. IN THE EVENT OF COMPACTION WITHIN THE INFILTRATION ZONE, THE CONTRACTOR SHALL SCARIFY THE SOIL TO PROMOTE INFILTRATION.
- PREPARE SITE FOR EXCAVATION AND/OR EMBANKMENT CONSTRUCTION.
- EXCAVATE BOTTOM OF BASIN TO DESIRED ELEVATION. IF NECESSARY, EXCAVATE INFILTRATION BOTTOM TO AN UNCOMPACTED SUBGRADE FREE FROM ROCKS AND DEBRIS. DO NOT COMPACT SUBGRADE.
- INSTALL OUTLET CONTROL STRUCTURE.
- COMPACT SURROUNDING EMBANKMENT AREA AND AROUND INLET AND OUTLET STRUCTURES.
- APPLY AND GRADE PLANTING SOIL.
- SEED, PLANT, AND MULCH ACCORDING TO PLANTING PLAN.
- DO NOT REMOVE EROSION AND SEDIMENT CONTROL MEASURES UNTIL SITE IS FULLY STABILIZED.
- THE CRITICAL STAGE FOR WHICH A LICENSED PROFESSIONAL OR DESIGNEE MUST BE ON-SITE IS FOR THE OUTLET STRUCTURE PRIOR TO BACKFILLING.

#### STAGE 7: INSTALL PROPOSED STORM SEWER SYSTEM

- INSTALL STORM SEWER SYSTEM FROM LOWEST TO HIGHEST ELEVATION AND ADHERE TO UTILITY TRENCH GUIDELINES.
- INSTALL STORM SEWER TRIBUTARY TO BIO-RETENTION SYSTEMS.
- INSTALL INLET PROTECTION ON ALL INLETS IMMEDIATELY AFTER INSTALLATION. INLET PROTECTION SHOULD REMAIN UNTIL THE ENTIRE SITE HAS BEEN STABILIZED.

#### STAGE 8: INSTALL PROPOSED UTILITIES

- INSTALL UTILITIES FROM LOWEST TO HIGHEST ELEVATION AND ADHERE TO UTILITY TRENCH GUIDELINES.
- PLACE CONCRETE WASHOUT AS INDICATED ON PLAN SHEET C701.
- CONSTRUCT BUILDINGS, AND PAVEMENT, CONCRETE CURBS, SIDEWALKS.

#### STAGE 10: INSTALL LANDSCAPING

- INSTALL LANDSCAPING PLANTS AND PROVISIONS.

#### STAGE 11: SEED AND MULCH

- SEED/MULCH ALL DISTURBED AREAS WITH SPECIFIED SEEDING MIXTURE. ALL E & S CONTROL FACILITIES SHALL BE MAINTAINED AND KEPT FUNCTIONAL UNTIL SITE STABILIZATION IS COMPLETE.

#### STAGE 12: SITE STABILIZATION

- WHEN SITE IS STABILIZED WITH UNIFORM 70% PERENNIAL VEGETATIVE COVER OVER PROJECT AREA, REMOVE EROSION AND SEDIMENTATION CONTROLS.
- DEWATER SEDIMENT TRAP #1 USING THE PUMP WATERING FILTERING DEVICE.
- REMOVE ACCUMULATED SEDIMENT FROM THE SEDIMENT STORAGE ZONE AND SPREAD IN THE AREA PROTECTED BY SILT FENCE, SEED DISTURBED AREA PER PERMANENT SEEDING SPECIFICATIONS.
- INSTALL 12" COMPOST FILTER SOCK DOWNSLOPE OF THE SEDIMENT TRAPS, RE-GRADE AREA TO ORIGINAL CONTOURS, SEED AND MULCH DISTURBED AREAS USING THE PERMANENT SEEDING MIXTURE.
- WHEN SEDIMENT TRAP AREA IS STABILIZED WITH UNIFORM 70% PERENNIAL VEGETATIVE COVER OVER PROJECT AREA, REMOVE EROSION AND SEDIMENTATION CONTROLS.

### EROSION AND SEDIMENTATION 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 PRECONSTRUCTION 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 ENTER DIRECTLY ONTO THE ON-SITE ACCESS ROAD.
- 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, REGRADING, RESEEDING, REMULCHING AND RESETTING MUST BE PERFORMED IMMEDIATELY. IF THE E&S BMPS FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMPS, OR MODIFICATIONS OF THOSE INSTALLED WILL 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. INSPECTIONS SHALL BE LOGGED ON THE MOST CURRENT DEP FORM 3150-FM-BVWE0083 AND KEPT ON SITE AT ALL TIMES.
- SEDIMENT TRACKED ONTO ANY PUBLIC ROADWAY OR SIDEWALK SHALL BE RETURNED TO THE CONSTRUCTION SITE BY THE END OF EACH WORK DAY AND DISPOSED OF IN THE MANNER DESCRIBED IN THIS PLAN. IN NO CASE SHALL THE SEDIMENT BE WASHED, SHOVELED, OR SWEEP 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 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.
- 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 SPECIFICATIONS 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. SEEDDED 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 SUBAREA OF A 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 REVEGETATION 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-LOADED 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 802 OF THE PENNSYLVANIA CLEAN STREAMS LAW. THE CLEAN STREAMS LAW PROVIDES 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 MISDEMEANOR 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.
- ALL CHANNELS SHALL BE KEPT FREE OF OBSTRUCTIONS INCLUDING BUT NOT LIMITED TO FILL, ROCKS, LEAVES, WOODY DEBRIS, ACCUMULATED SEDIMENT, EXCESS VEGETATION, AND CONSTRUCTION MATERIAL/WASTES.
- UNDERGROUND UTILITIES CUTTING THROUGH ANY ACTIVE CHANNEL SHALL BE IMMEDIATELY BACKFILLED AND THE CHANNEL RESTORED TO ITS ORIGINAL CROSS-SECTION AND PROTECTIVE LINING. ANY BASE FLOW WITHIN THE CHANNEL SHALL BE CONVEYED PAST THE WORK AREA IN THE MANNER DESCRIBED IN THIS PLAN UNTIL SUCH RESTORATION IS COMPLETE.
- CHANNELS HAVING RIPRAP, RENO MATTRESS, OR GABION LININGS MUST BE SUFFICIENTLY OVER-EXCAVATED SO THAT THE DESIGN DIMENSIONS WILL BE PROVIDED AFTER PLACEMENT OF THE PROTECTIVE LINING.
- SEDIMENT BASINS AND/OR TRAPS SHALL BE KEPT FREE OF ALL CONSTRUCTION WASTE, WASH WATER, AND OTHER DEBRIS HAVING POTENTIAL TO CLOG THE BASIN-TRAP OUTLET STRUCTURES AND/OR POLLUTE THE SURFACE WATERS.
- SEDIMENT BASINS SHALL BE PROTECTED FROM UNAUTHORIZED ACTS BY THIRD PARTIES.
- ANY DAMAGE THAT OCCURS IN WHOLE OR IN PART AS A RESULT OF BASIN OR TRAP DISCHARGE SHALL BE IMMEDIATELY REPAIRED BY THE PERMITTEE IN A PERMANENT MANNER SATISFACTORY TO THE MUNICIPALITY, LOCAL CONSERVATION DISTRICT, AND THE OWNER OF THE DAMAGED PROPERTY.
- UPON REQUEST, THE APPLICANT OR HIS CONTRACTOR SHALL PROVIDE AN AS-BUILT (RECORD DRAWING) FOR ANY SEDIMENT BASIN OR TRAP TO THE MUNICIPAL INSPECTOR, LOCAL CONSERVATION DISTRICT OR THE DEPARTMENT.
- 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.
- NO WETLANDS EXIST WITHIN THE PROJECT BOUNDARY.
- MINE OPENINGS ARE NOT ANTICIPATED. IF MINE SPOILS ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL EITHER REWORK THE MATERIAL PER GEOTECHNICAL ENGINEERS RECOMMENDATIONS OR REMOVE THE MATERIAL TO A PERMITTED AREA.
- NO SIGNIFICANT CULTURAL OR SENSITIVE ENVIRONMENTAL FEATURES EXIST WITHIN THE PROJECT BOUNDARY. NO FURTHER ENVIRONMENTAL STUDIES WILL BE NECESSARY.
- NO WATER RESOURCES EXIST WITHIN THE PROJECT BOUNDARY.

### TEMPORARY STABILIZATION

SPECIES: ANNUAL RYEGRASS  
% PURE LIVE SEED: 98%  
APPLICATION RATE: 50 LBS/ACRE  
FERTILIZER TYPE: COMMERCIAL FERTILIZER 10-20-20  
FERTILIZER APPL. RATE: 678 LBS/ACRE  
LIMING RATE: 2 TONS/ACRE  
MULCH TYPE: HAY & STRAW  
MULCHING RATE: 3 TONS/ACRE

### EROSION AND SEDIMENT CONTROL FACILITIES MAINTENANCE SCHEDULE

- ALL EROSION AND SEDIMENT CONTROLS SHALL BE MAINTAINED UNTIL A UNIFORM 70% PERENNIAL VEGETATIVE COVER IS ESTABLISHED.

### ROCK CONSTRUCTION ENTRANCE

- THE ROCK CONSTRUCTION ENTRANCES ARE TO BE INSPECTED AT THE END OF EACH WORKING DAY AND REPAIRED IMMEDIATELY.
- THE THICKNESS OF THE ROCK CONSTRUCTION ENTRANCE SHALL BE CONSTANTLY MAINTAINED AT 8".
- A ROCK STOCKPILE IS TO BE READILY AVAILABLE ON THE SITE AT ALL TIMES FOR IMMEDIATE REPAIR.

### COMPOST FILTER SOCK

- THE COMPOST FILTER SOCK CONTROLS SHALL BE INSPECTED WEEKLY AND AFTER EACH STORM (RUNOFF) EVENT AND REPAIRED IMMEDIATELY.
- ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN DEPOSITS REACH 1/2 THE ABOVE GROUND HEIGHT OF THE SOCK.
- SILT DEPOSITS SHALL BE TAKEN TO THE TOPSOIL STOCKPILE AREA. THE SILT SHALL THEN BE SPREAD OVER STOCKPILE, SEEDDED AND MULCHED.
- ALL UNDERCUTTING OR EROSION OF THE COMPOST FILTER SOCK TOE ANCHOR SHALL BE REPAIRED IMMEDIATELY.
- ANY COMPOST FILTER SOCK SECTION WHICH HAS BEEN UNDERMINED OR TOPPED SHALL BE IMMEDIATELY REPLACED WITH A ROCK FILTER OUTLET.

### VEGETATION

- THE CONTRACTOR SHALL INSPECT VEGETATED AREAS WEEKLY AND AFTER EACH STORM (RUNOFF) EVENT.
- THE CONTRACTOR SHALL INSPECT THE SITE FOR RILLS OR GULLIES ON CUT OR FILL SLOPES. THE CONTRACTOR SHALL FILL RILLS AND GULLIES, REGRADE DISTURBED AREAS TO PROVIDE A UNIFORM SOIL TYPE, THEN RESEED/MULCH AND REPAIR/REPLACE MATS TO ORIGINAL SPECIFICATIONS.
- THE REPAIRS SHALL BE MADE WITHIN 2 DAYS OF DISCOVERING PROBLEM.

### PUMPED WATER FILTERING DEVICE

- THE CONTRACTOR SHALL INSPECT FILTER BAGS DAILY AND AFTER EACH STORM (RUNOFF) EVENT TO ENSURE THEY ARE WORKING PROPERLY.
- IF ANY PROBLEM IS DETECTED, PUMPING SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL THE PROBLEM IS CORRECTED.
- ALL SEDIMENT REMOVED FROM THE FILTER BAGS SHALL BE TAKEN TO THE TOPSOIL STOCKPILE, SPREAD, SEEDDED AND MULCHED.

### RIPRAP OUTLETS

- INSPECT RIPRAP AFTER HEAVY STORMS AND HIGH FLOWS FOR SCOURING UNDER THE OUTLET AND DISLODGED STONES, AND REPAIR DAMAGE.

### SITE STABILIZATION INSTALLATION AND MAINTENANCE (TEMPORARY AND PERMANENT)

- TILL SOIL TO DEPTH OF 2". REMOVE ALL OBJECTS 2" OR LARGER.
- BLEND COMMERCIAL FERTILIZER INTO THE SOIL TO A DEPTH OF 2". FERTILIZER MAY BE BLENDED DURING TILLING.
- SOW REQUIRED SEED MIXTURE UNIFORMLY ON THE PREPARED AREA BY HYDRAULIC SEEDING EQUIPMENT, HAND SEEDING, OR ANY OTHER APPROPRIATE METHOD.
- AFTER SEEDING ROLL TOPSOILED AREAS THAT ARE TO BE MOWED. USE A ROLLER WEIGHING NOT MORE THAN 65 LBS/FT. WIDTH.
- FOR PERMANENT SITE STABILIZATION APPLY SLOW RELEASE NITROGEN FERTILIZER TO THE SURFACE OF SEEDDED AREAS.
- PLACE MULCH IMMEDIATELY AFTER SEEDING OR WITHIN 48 HOURS AFTER SEEDING IS COMPLETED. PLACE HAY & STRAW UNIFORMLY IN A CONTINUOUS BLANKET AT THE MINIMUM RATE SPECIFIED ABOVE. AN ACCEPTABLE MECHANICAL BLOWER MAY BE USED TO APPLY MULCH. MACHINES WHICH CUT MULCH INTO SHORT PIECES WILL NOT BE PERMITTED.
- MAINTENANCE - SATISFACTORILY MAINTAIN GRASS AREAS WITHIN GRADING LIMITS. UNTIL THE ENTIRE PROJECT HAS BEEN COMPLETED, MOW, AS INDICATED AND WHEN DIRECTED. CONTROL PROHIBITED AND NOXIOUS WEED GROWTH BY HERBICIDE SPRAYING OR CUTTING. AFTER THE SEEDING AND SOIL SUPPLEMENT WORK ON A SLOPE HAS BEEN SATISFACTORILY COMPLETED, IF A SLOPE FAILURE OCCURS, ONE WHICH REQUIRES REDRESSING, EXCAVATION, OR ESTABLISHMENT OF A NEW SLOPE, REAPPLY SOIL SUPPLEMENTS, THEN RESEED, AS SPECIFIED FOR THE ORIGINAL TREATMENT.
- A SITE WILL BE CONSIDERED TO BE PERMANENTLY STABILIZED WHEN ALL PERMANENT CONTROL MEASURES AND FACILITIES HAVE BEEN COMPLETED AND ARE OPERATIONAL. TEMPORARY CONTROL MEASURES AND FACILITIES REMOVED, AND UNIFORM 70% PERENNIAL VEGETATIVE COVER IS ESTABLISHED TO THE POINT WHERE THE SURFACE SOIL IS CAPABLE OF RESISTING EROSION DURING RUNOFF EVENTS. THE STANDARD FOR THIS VEGETATIVE COVER WILL BE A UNIFORM COVERAGE OR DENSITY OF 70% ACROSS THE DISTURBED AREA.
- THE CONTRACTOR SHALL MAINTAIN THE SITE PER THE PROVISIONS OF THIS PLAN UNTIL PERMANENT STABILIZATION IS ESTABLISHED.

### GENERAL NOTES:

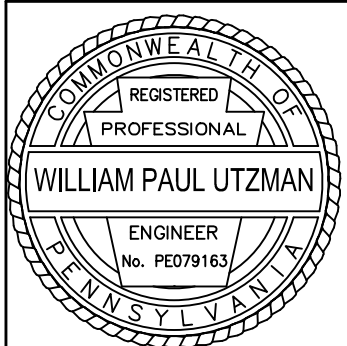
- THE GENERAL CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES INVOLVED IN THE SITE NO MORE THAN TEN DAYS AND NO LESS THAN THREE DAYS IN ADVANCE OF EXCAVATION (PA ACT 287 OF 1974 AMENDED BY ACT 121 OF 2008).
- TRAFFIC SHALL BE MAINTAINED ON ALL ADJOINING STREETS AND DRIVES AT ALL TIMES. TRAFFIC CONTROL SHALL BE MAINTAINED IN ACCORDANCE WITH PENNDOT'S REQUIREMENTS.
- CONTRACTOR SHALL USE ASPHALT WEDGE CURBS, UNLESS NOTED, OUTSIDE OF THE PUBLIC RIGHT-OF-WAY.
- CONTRACTOR SHALL VERIFY THE LOCATION AND INVERT ELEVATION OF ALL EXISTING UTILITIES WITH PROPOSED CONNECTIONS PRIOR TO CONSTRUCTION AND GRADING OF THE SITE.
- THE CONTRACTOR SHALL INSTALL ALL PAVEMENT MARKINGS AS SHOWN ON THE PLANS.

### GRADING NOTES:

- THE CONTRACTOR SHALL PROOF ROLL THE SITE TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER AND REMOVE ANY SOFT MATERIAL PRIOR TO THE IMPORTING OF ANY FILL MATERIAL.
- THE CONTRACTOR SHALL COMPACT ALL STRUCTURAL FILLS IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS WITHIN THE REPORT PREPARED BY YOUNG & ASSOCIATES, DATED FEBRUARY 2022.
- THE CONTRACTOR SHALL USE PENNDOT'S LATEST REFERENCES OF PUBLICATION 408/2000 AND ROADWAY CONSTRUCTION STANDARDS.

THE ENGINEER ASSUMES NO RESPONSIBILITY FOR ANY CHANGES IN DESIGN PLANS UNLESS WRITTEN CONSENT IS GIVEN BY THE ENGINEER. THE CONTRACTOR AND/OR THE OWNER WILL BE HELD RESPONSIBLE FOR ANY FIELD MODIFICATIONS MADE WITHOUT THE WRITTEN CONSENT OF THE ENGINEER AND NECESSARY APPROVALS BY PERMITTING AGENCIES.

THE LOCATION OF EXISTING UTILITIES WERE TAKEN FROM RECORDS AND MARKING PROVIDED BY OTHERS AND OBSERVED EVIDENCE. THE LOCATIONS SHOWN MAY BE APPROXIMATE. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATIONS, SIZES AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL EXERCISE CARE TO AVOID DAMAGE TO ALL EXISTING UTILITIES.



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SHEET NO.	TITLE
C700	EROSION AND SEDIMENTATION CONTROL TITLE
C701	FINAL EROSION & SEDIMENTATION CONTROL PLAN
C702	EROSION & SEDIMENTATION CONTROL DETAILS

DEVELOPER:  
WESTMORELAND COUNTY HOUSING AUTHORITY  
167 S. GREENGATE RD.  
GREENSBURG, PA 15601  
PHONE NO.: 724-832-7248  
REP.: ERIK SPIEGEL

### CHAPTER 93 RECEIVING WATER COURSE:

- THE RECEIVING WATER COURSE IS UNNAMED TRIBUTARY TO WELTY RUN WHICH IS DESIGNATED AS A HIGH QUALITY COLD WATER FISHES (HQ-CWF), BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, CHAPTER 93.

### MRC SWM #1 CONSTRUCTION SEQUENCE

- INSTALL ALL SITE CONTROLS SUCH AS FILTER SOCKS PER THE APPROVED PLAN.
- CONTRACTOR SHALL PERFORM THE SITE GRADING OF THE MRC SWM TO THE GRADES SHOWN.
- THE MRC SWM SHALL BE EXCAVATED TO THE DEPTH OF THE BASIN INVERT (SUBGRADE DEPTH).
- THE CONTRACTOR SHALL NOT INSTALL THE SOIL MEDIA, UNDERDRAIN, AND UPTURNED ELBOW UNTIL THE SITE HAS BEEN PERMANENTLY GRADED AND ADEQUATE VEGETATION IS FULLY ESTABLISHED. IT IS ESSENTIAL THAT THE CONTRACTOR REACHES OUT TO THE OWNER TO SECURE AUTHORIZATION FROM THE OWNER'S ENGINEER. THIS AUTHORIZATION IS NECESSARY FOR CONDUCTING A THOROUGH SITE VERIFICATION TO CONFIRM THE PRESENCE OF PERENNIAL COVER, WHICH MUST OCCUR PRIOR TO COMMENCING THE CONSTRUCTION OF THE FINAL MRC SWM BASIN.
- PRIOR TO FINAL MRC SWM CONSTRUCTION, CONTRACTOR SHALL REMOVE ALL SEDIMENT WITHIN BASIN INVERT.
- UPON ENGINEER'S AUTHORIZATION, CONTRACTOR SHALL INSTALL THE MRC UNDERDRAIN, UPTURNED ELBOW, APPURTENANCES, AND SOIL MEDIA PER THE DESIGN PLANS. OVERFILLING IS RECOMMENDED TO ACCOUNT FOR SETTLEMENT. LIGHT HAND TAMP ONLY, IF NECESSARY.
- PLANT VEGETATION ACCORDING TO PLANTING PLAN.

### SWM #2 CONSTRUCTION SEQUENCE

- INSTALL ALL SITE CONTROLS SUCH AS FILTER SOCKS PER THE APPROVED PLAN.
- CONTRACTOR SHALL PERFORM THE SITE GRADING OF THE BASIN TO THE GRADES SHOWN.
- THE BASIN SHALL BE EXCAVATED TO THE DEPTH OF THE BASIN INVERT (SUBGRADE DEPTH).
- THE CONTRACTOR SHALL NOT INSTALL THE SOIL MEDIA, UNTIL THE SITE HAS BEEN PERMANENTLY GRADED AND ADEQUATE VEGETATION IS FULLY ESTABLISHED. IT IS ESSENTIAL THAT THE CONTRACTOR REACHES OUT TO THE OWNER TO SECURE AUTHORIZATION FROM THE OWNER'S ENGINEER. THIS AUTHORIZATION IS NECESSARY FOR CONDUCTING A THOROUGH SITE VERIFICATION TO CONFIRM THE PRESENCE OF PERENNIAL COVER, WHICH MUST OCCUR PRIOR TO COMMENCING THE CONSTRUCTION OF THE FINAL MRC SWM BASIN.
- PRIOR TO FINAL MRC SWM CONSTRUCTION, CONTRACTOR SHALL REMOVE ALL SEDIMENT WITHIN BASIN INVERT.
- UPON ENGINEER'S AUTHORIZATION, CONTRACTOR SHALL INSTALL SOIL MEDIA, AND APPURTENANCES, PER THE DESIGN PLANS. OVERFILLING IS RECOMMENDED TO ACCOUNT FOR SETTLEMENT. LIGHT HAND TAMP ONLY, IF NECESSARY.
- PLANT VEGETATION ACCORDING TO PLANTING PLAN.

### ENGINEER'S ROLE NOTES:

- THE ENGINEER ASSUMES NO RESPONSIBILITY FOR ANY CHANGES IN DESIGN PLANS UNLESS WRITTEN CONSENT IS GIVEN BY THE OWNER. CONTRACTOR AND/OR OWNER WILL BE HELD RESPONSIBLE FOR ANY FIELD MODIFICATIONS MADE WITHOUT WRITTEN CONSENT OF ENGINEER. ALL UTILITIES SHOWN ON PLANS ARE IN APPROXIMATE LOCATIONS BASED ON PA. ONE-CALL FLAGGING, OR AVAILABLE UTILITY MAPS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE EXACT LOCATIONS AND DEPTH OF ALL UTILITIES PRIOR TO ANY CONSTRUCTION.
- ENGINEER WILL NOT SUPERVISE, DIRECT, CONTROL, OR HAVE AUTHORITY OVER OR BE RESPONSIBLE FOR CONTRACTOR'S MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES OF CONSTRUCTION, OR THE SAFETY PRECAUTIONS AND PROGRAMS INCIDENT THERETO, OR FOR ANY FAILURE OF CONTRACTOR TO COMPLY WITH LAWS AND REGULATIONS APPLICABLE TO THE PERFORMANCE OF THE WORK. ENGINEER WILL NOT BE RESPONSIBLE FOR CONTRACTOR'S FAILURE TO PERFORM THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- ENGINEER WILL NOT BE RESPONSIBLE FOR THE ACTS OR OMISSIONS OF CONTRACTOR OR OF ANY SUBCONTRACTOR, ANY SUPPLIER, OR OF ANY OTHER INDIVIDUAL OR ENTITY PERFORMING ANY OF THE WORK.

### EROSION AND SEDIMENTATION CONTROL TITLE SHEET

### CHURCH VIEW SENIOR RESIDENCES

prepared for  
WESTMORELAND COUNTY HOUSING AUTHORITY

situated in  
MOUNT PLEASANT TOWNSHIP, WESTMORELAND COUNTY, PA

**MA** Morris Knowles & Associates, Inc.  
(A Hammontree Company)  
Consulting Engineers and Land Surveyors  
1740 Golden Mile Highway, Suite 101  
Greensburg, PA 15601  
Telephone: (724) 488-8640  
Fax: (724) 488-8640  
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SHEET NO.  
C700

DWG. PATH: P:\GWS\16881.MXD, 2024-2025, 16881-10 ChurchView Comment Q&A 16881-10  
LAST SAVE: Jan 11, 2025 - 6:38pm

DESIGNED BY: DEB  
REVIEWED BY: WPU  
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PROJ. NO.: 1885.10

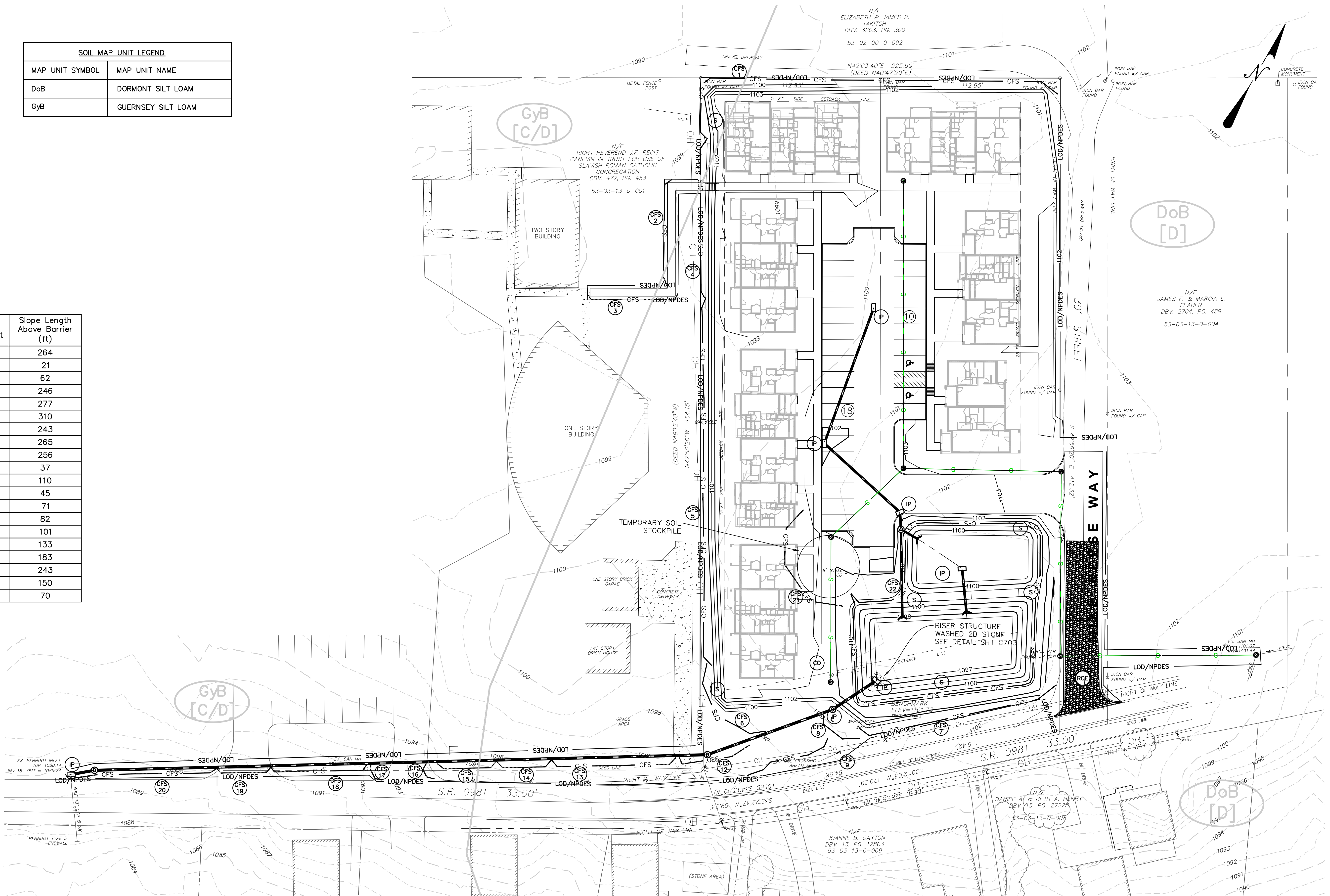
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REVISION BY:	DATE:	DESCRIPTION:

(S)	SEEDING & MULCHING
(IP)	INLET PROTECTION
(CFS #)	COMPOST FILTER SOCK
(RCE)	ROCK CONSTRUCTION ENTRANCE
(CO)	CONCRETE WASHOUT

SOIL MAP UNIT LEGEND	
MAP UNIT SYMBOL	MAP UNIT NAME
DoB	DORMONT SILT LOAM
GyB	GUERNSEY SILT LOAM

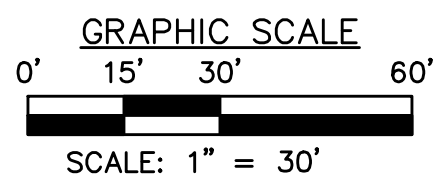
Barrier Number	Diameter (in)	Location	Slope Percent	Slope Length Above Barrier (ft)
CFS 1	12	See Sheet C701	1.1	264
CFS 2	12	See Sheet C701	4.8	21
CFS 3	12	See Sheet C701	1.6	62
CFS 4	12	See Sheet C701	1.2	246
CFS 5	12	See Sheet C701	1.4	277
CFS 6	12	See Sheet C701	3.2	310
CFS 7	12	See Sheet C701	0.4	243
CFS 8	12	See Sheet C701	0.8	265
CFS 9	12	See Sheet C701	1.6	256
CFS 12	12	See Sheet C701	2.7	37
CFS 13	12	See Sheet C701	2.7	110
CFS 14	12	See Sheet C701	8.9	45
CFS 15	12	See Sheet C701	8.5	71
CFS 16	12	See Sheet C701	8.5	82
CFS 17	12	See Sheet C701	7.9	101
CFS 18	12	See Sheet C701	6.0	133
CFS 19	12	See Sheet C701	4.9	183
CFS 20	12	See Sheet C701	4.5	243
CFS 21	12	See Sheet C701	3.3	150
CFS 22	12	See Sheet C701	7.1	70



Know what's below  
Call before you dig

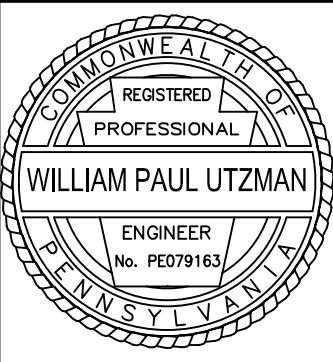
THE GENERAL CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES INVOLVED IN THE SITE NO MORE TEN DAYS AND NO LESS THAN THREE DAYS IN ADVANCE OF EXCAVATION (PA ACT 287 OF 1974 AMENDED BY ACT 50 OF 2018). PA STATE LAW REQUIRES 3 WORKING DAYS NOTICE

SA	-	SANITARY	-	G	-	GAS LINE
SA	-	STORM	-	W	-	WATER LINE
MI	-	MANHOLE	-	T	-	SUBSURFACE TELEPHONE LINE
TOP	-	TOP OF CASTING	-	E	-	SUBSURFACE ELECTRIC LINE
INV	-	INVERT / FLOW LINE	-	OH	-	OVERHEAD WIRES
WM	-	WATER VALVE	-	908	-	EXISTING CUTOUPS
GV	-	GAS VALVE	-	EXISTING	-	EXISTING LEST
GM	-	GAS METER	-	EXISTING	-	EXISTING MANHOLE
EM	-	ELECTRIC METER	-	EXISTING	-	EXISTING SEWER
S.R.	-	STATE ROUTE	-	EXISTING	-	EXISTING FENCE
TELE	-	TELEPHONE	-	EXISTING	-	EXISTING FENCE
RCP	-	REINFORCED CONCRETE PIPE	-	EXISTING	-	EXISTING FENCE
CPP	-	CORRUGATED PLASTIC PIPE	-	EXISTING	-	EXISTING FENCE



THE LOCATION OF EXISTING UTILITIES WERE TAKEN FROM RECORDS AND MARKING PROVIDED BY OTHERS AND OBSERVED EVIDENCE. THE LOCATIONS SHOWN MAY BE APPROXIMATE. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATIONS, SIZES AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL EXERCISE CARE TO AVOID DAMAGE TO ALL EXISTING UTILITIES

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## **INTERIM EROSION AND SEDIMENTATION CONTROL PLAN**

**CHURCH VIEW SENIOR RESIDENCES**

WESTMORELAND COUNTY HOUSING AUTHORITY  
*prepared for*

*situated in*  
MOUNT PLEASANT TOWNSHIP WESTMORELAND COUNTY PA

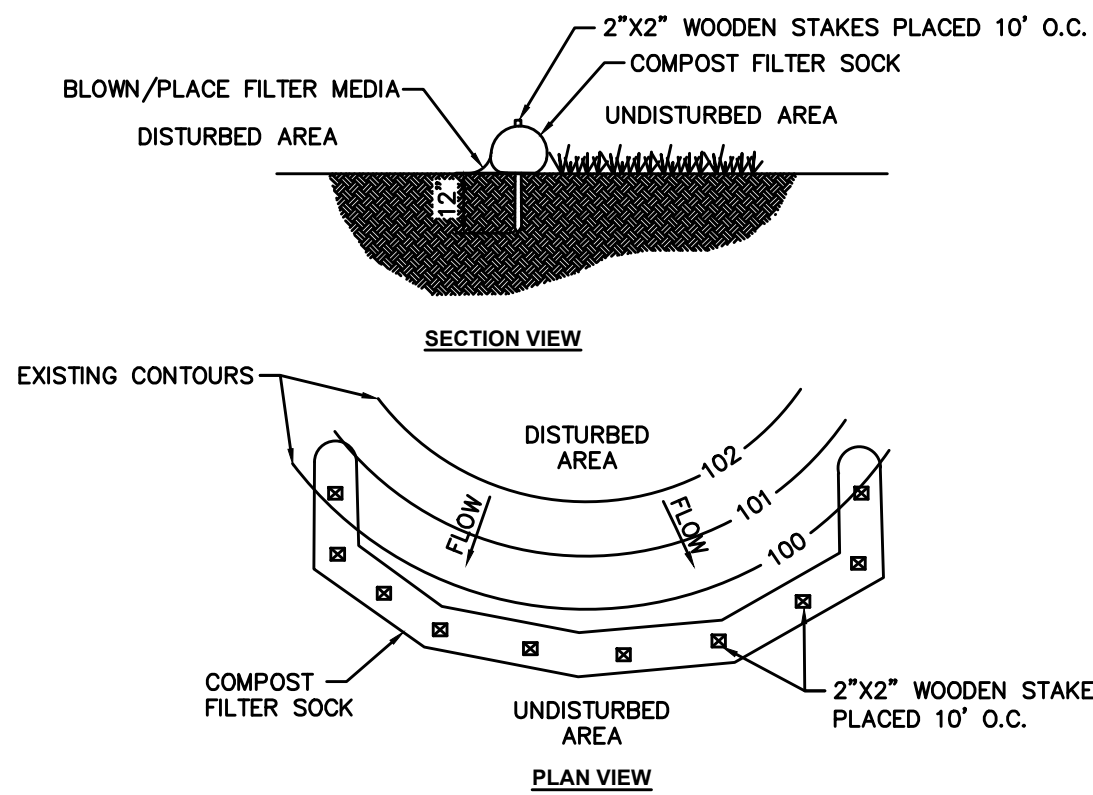
DWG.	PATH:	P:\Clients\1885	WCHA	2017-2021\1885.10	ChurchView Commons - LandDev-21 units_ A.dwg
AST	SAVE:	June, 15	2018	5:44pm	AutoCAD 2017

[illegible]

DESIGNED BY: SPP  
REVIEWED BY: WPU  
DRAWN BY: SPP  
DATE: JAN 2025  
PROJ. NO.: 1885.10

SCALE:  
1" = 30'

**MKA** **Morris Knowles & Associates, Inc.**  
(A Hammontree Company)  
*Consulting Engineers and Land Surveyors*  
1740 Golden Mile Highway, Suite 101  
Monroeville, PA 15146  
Telephone: (724) 488-4622  
Fax: (724) 488-8940  
[www.morrisknowles.com](http://www.morrisknowles.com)  
[info@morrisknowles.com](mailto:info@morrisknowles.com)



NOTES:

Sock fabric shall meet 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 (Figure 4.1). 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.

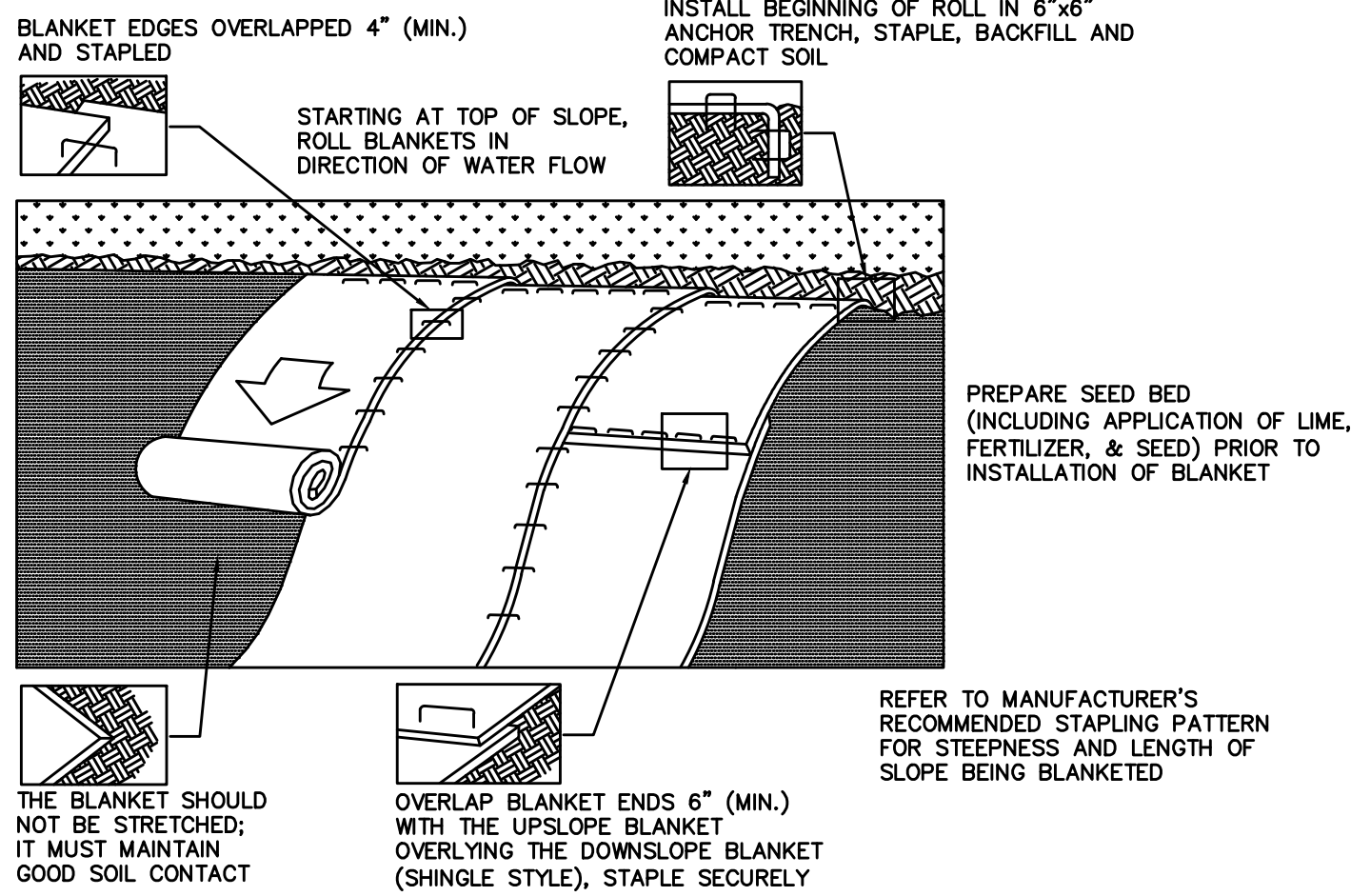
Accumulated sediment shall be removed when it reaches half the aboveground height of the sock and disposed in the manner described elsewhere in the plan.

Socks shall be inspected weekly and after each runoff event. Damaged socks shall be repaired according to manufacturer's specifications or replaced within 24 hours of inspection.

Biodegradable filter socks shall be replaced after 6 months; photodegradable socks after 1 year. Polypropylene socks shall be replaced according to manufacturer's recommendations.

Upon stabilization of the area tributary to the sock, stakes 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.

STANDARD CONSTRUCTION DETAIL #4-1  
COMPOST FILTER SOCK  
N.T.S.



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 stake or staple to maintain direct contact with soil. Do not stretch blanket.

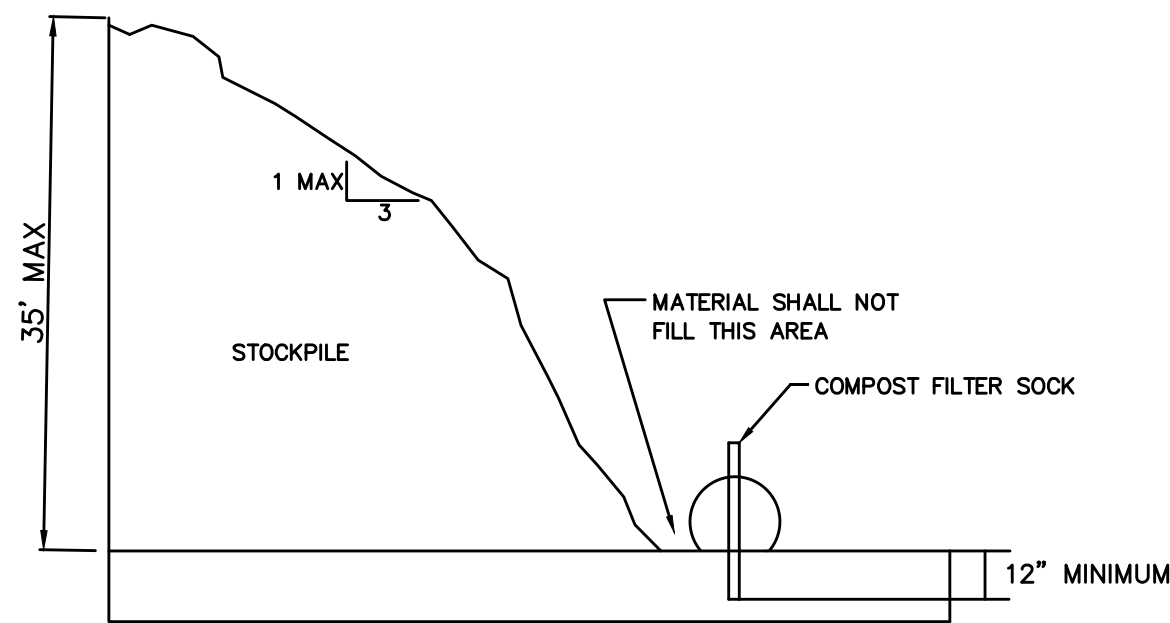
The blanket shall be stapled in accordance with the manufacturer's recommendations.

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 4 calendar days.

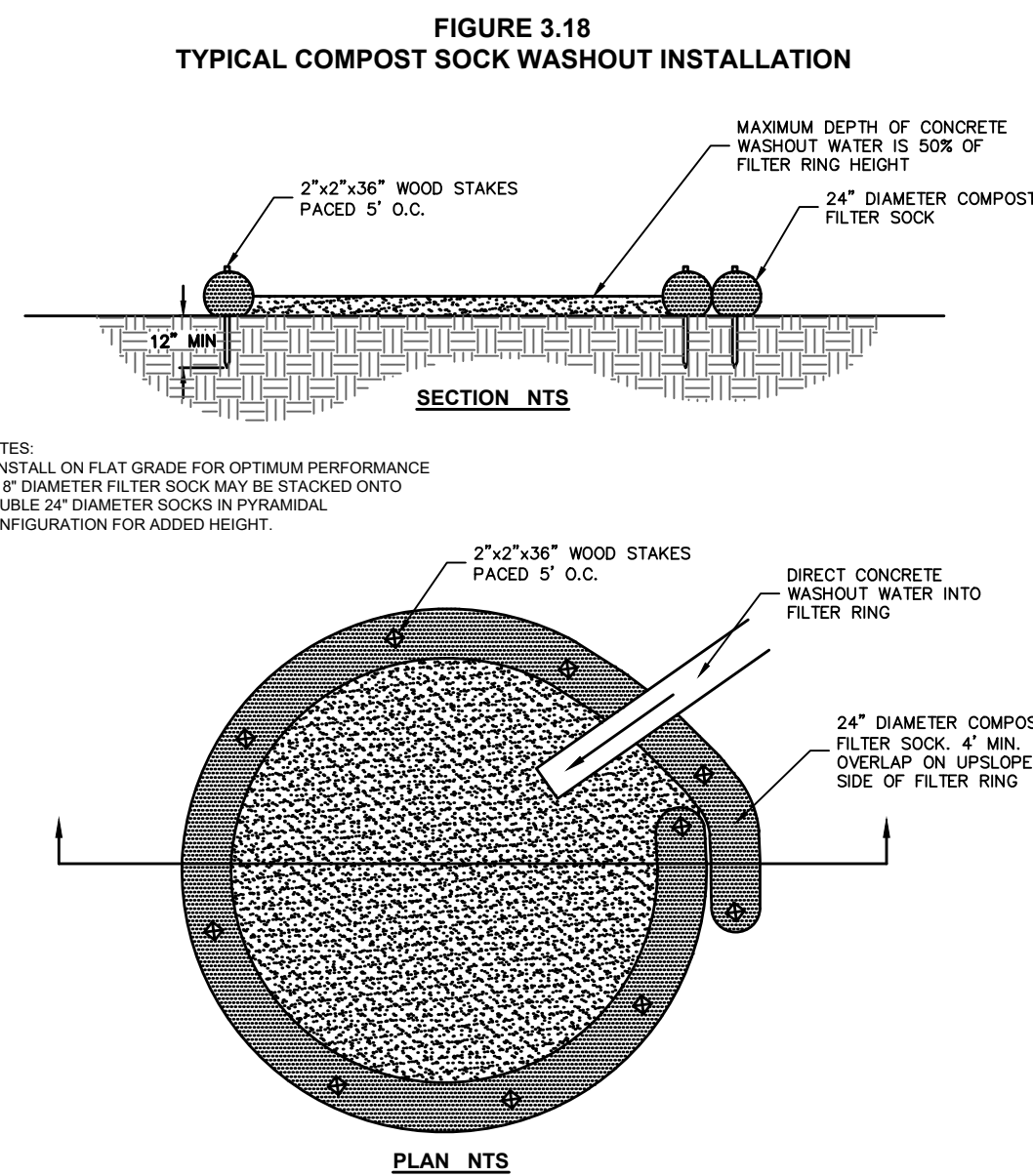
STANDARD CONSTRUCTION DETAIL #11-1  
EROSION CONTROL BLANKET INSTALLATION  
N.T.S.

TABLE 4.1 COMPOST SOCK FABRIC MINIMUM SPECIFICATIONS					
MATERIAL TYPE	3 MIL HDPE	5 MIL HDPE	5 MIL HDPE	MULTI-FILAMENT POLYPROPYLENE (MFPP)	HEAVY DUTY MULTI-FILAMENT POLYPROPYLENE (HDMFPP)
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	8"	8"	8"	8"	8"
TENSILE STRENGTH		26 PSI	26 PSI	44 PSI	202 PSI
ULTRAVIOLET STABILITY % ORIGINAL 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 JUNCTIONS			
		3" X 3" MAX. APERTURE SIZE			
OUTER FILTRATION MESH		COMPOSITE POLYPROPYLENE FABRIC (WOVEN LAYER AND NON-WOVEN FLEECE MECHANICALLY FUSED VIA NEEDLE PUNCH)			
		1/2" MAX. APERTURE SIZE			
SOCK FABRICS COMPOSED OF BURLAP MAY BE USED ON PROJECTS LASTING 6 MONTHS OR LESS.					
FILTREXX & JMD					

TABLE 4.2 COMPOST STANDARDS	
ORGANIC MATTER CONTENT	25% - 100% (DRY WEIGHT BASIS)
ORGANIC PORTION	FIBROUS AND ELONGATED
pH	5.5 - 8.5
MOISTURE CONTENT	30% - 60%
PARTICLE SIZE	30% - 50% PASS THROUGH 1/8" SIEVE
SOLUBLE SALT CONCENTRATION	5.0 dS/m (MMHOS/CM) MAXIMUM



SOIL STOCKPILE DETAIL  
N.T.S.



COMPOST FILTER SOCK CONCRETE WASHOUT  
N.T.S.

- A. LIMIT ADVANCE CLEARING AND GRUBBING OPERATIONS TO A DISTANCE EQUAL TO TWO TIMES THE LENGTH OF PIPE INSTALLATION THAT CAN BE COMPLETED IN ONE DAY.  
B. WORK CREWS AND EQUIPMENT FOR TRENCHING, PLACEMENT OF PIPE, PLUG CONSTRUCTION AND BACKFILLING WILL BE SELF-CONTAINED AND SEPARATE FROM CLEARING AND GRUBBING AND SITE RESTORATION AND STABILIZATION OPERATIONS.  
C. LIMIT DAILY TRENCH EXCAVATION TO THE LENGTH OF PIPE PLACEMENT, PLUG INSTALLATION AND BACKFILLING THAT CAN BE COMPLETED THE SAME DAY.  
D. TRENCH PLUGS WILL BE SPACED IN ACCORDANCE WITH THE TABLE BELOW:

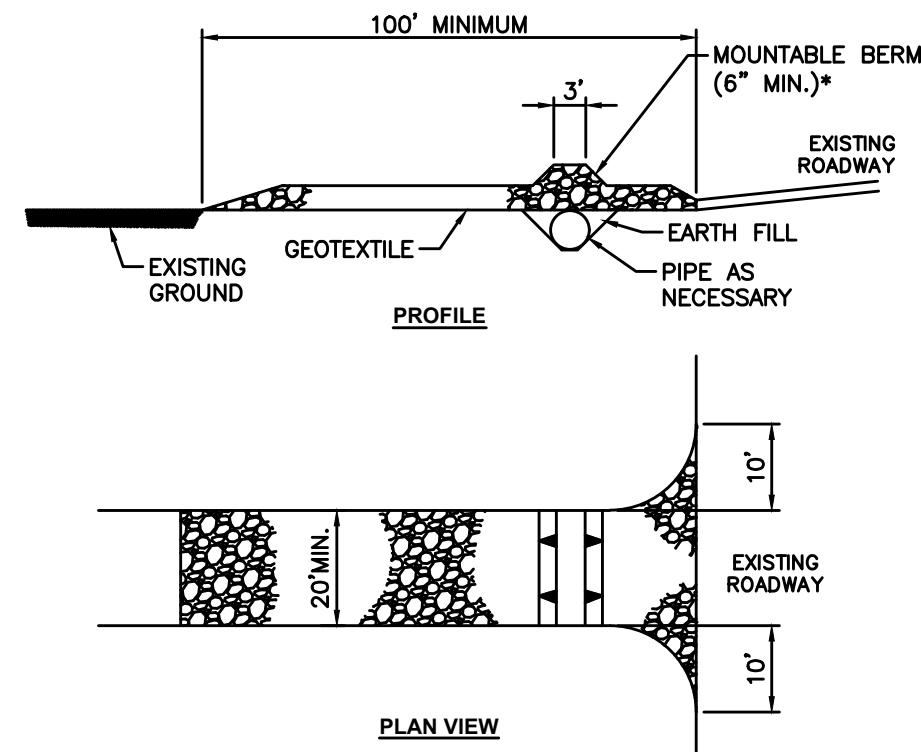
TRENCH SLOPE %	LENGTH (FEET)	PLUG MATERIAL
0 - 5	----	NONE
5 - 15	500	EARTH FILLED SACKS
15 - 25	300	EARTH FILLED SACKS
25 - 35	200	EARTH FILLED SACKS
35 - 100	100	EARTH FILLED SACKS
OVER 100	50	CEMENT FILLED BAGS (WETTED)

- E. WATER WHICH ACCUMULATES IN AN OPEN TRENCH WILL BE COMPLETELY REMOVED BY PUMPING ACCORDING TO LOCAL CONSERVATION DISTRICT REGULATIONS PRIOR TO PIPE PLACEMENT OR BACKFILLING.  
F. ON THE DAY FOLLOWING PIPE PLACEMENT AND TRENCH BACKFILLING, THE DISTURBED AREA WILL BE GRADED TO FINAL CONTOURS AND APPROPRIATE TEMPORARY EROSION AND SEDIMENT POLLUTION CONTROL MEASURES/FACILITIES WILL BE INSTALLED. SEEDING AND MULCHING OF ALL DISTURBED AREAS WILL BE DONE AT THE END OF EACH WEEK.

- WILL REMAIN IN EFFECT WITH THE FOLLOWING EXCEPTIONS:  
1. DAILY BACKFILLING OF THE TRENCH MAY BE DELAYED FOR SIX DAYS.  
2. IF DAILY BACKFILLING IS DELAYED, THE DISTURBED AREA WILL BE GRADED TO FINAL CONTOURS

FOR UTILITIES THAT REQUIRE TESTING BEFORE THE TRENCH IS BACKFILLED, ALL OF THE ABOVE ITEMS APPROPRIATE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES/FACILITIES WILL BE INSTALLED AND THE AREAS SEEDING AND MULCHING WITHIN THE NEXT TWO DAYS.

UTILITY TRENCH EXCAVATING GUIDELINES



NOTES:

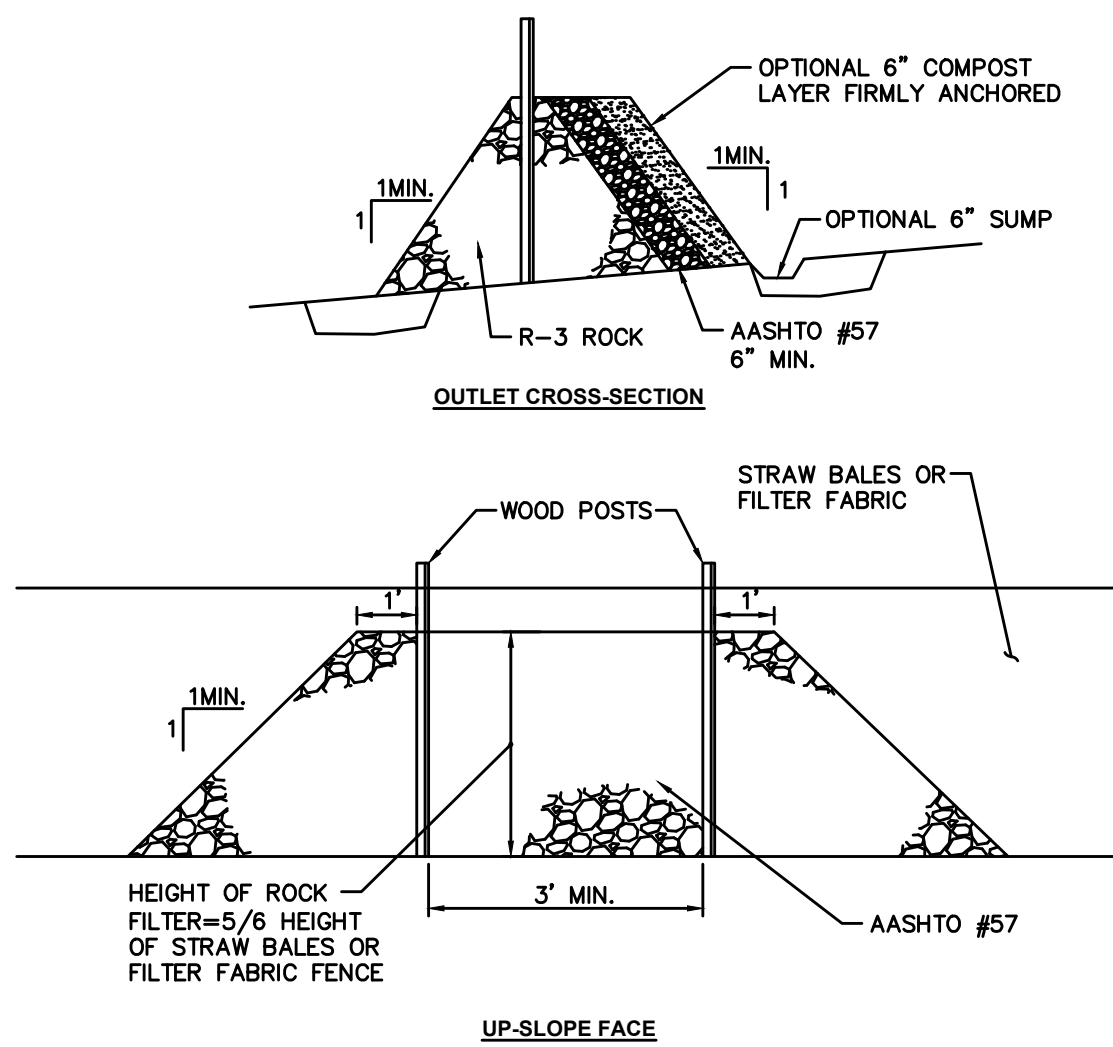
Remove topsoil prior to installation of rock construction entrance. Extend rock over full width of entrance.

Runoff shall be diverted from roadway to a suitable sediment removal bmp prior to entering rock construction entrance.

Mountable berm shall be installed wherever optional culvert pipe is used and proper pipe cover as specified manufacturer is not otherwise provided. Pipe shall be sized appropriately for size of ditch being crossed.

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. At the end of each construction day, 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, extent length of rock construction entrance by 50 foot increments until condition is alleviated or install wash rack. Washing the roadway or sweeping the deposits into roadway ditches, sewers, culverts, or other drainage courses is not acceptable.

STANDARD CONSTRUCTION DETAIL #3-1  
ROCK CONSTRUCTION ENTRANCE  
N.T.S.

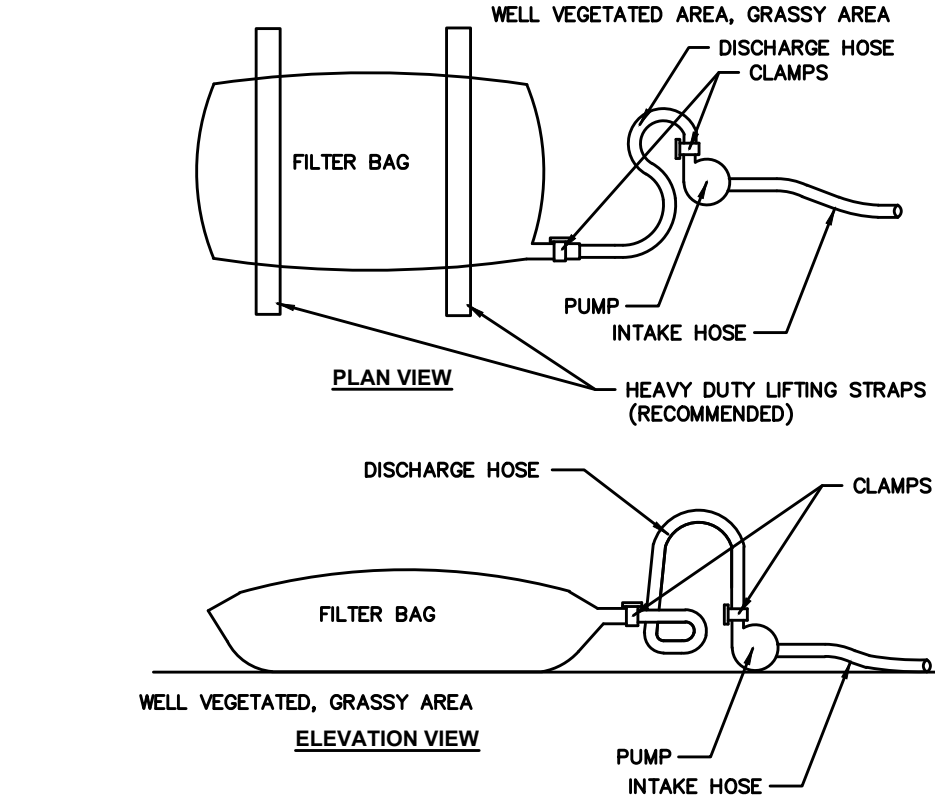


NOTES:

A rock filter outlet shall be installed where failure of a silt fence or straw bale barrier has occurred due to concentrated flow. Anchored compost layer shall be used on upslope face in HQ and EV watersheds.

Sediment shall be removed when accumulations reach 1/3 the height of the outlet.

STANDARD CONSTRUCTION DETAIL #4-6  
ROCK FILTER OUTLET  
N.T.S.



NOTES:

Low volume filter bags shall be made from non-woven geotextile material sewn with high strength double stitched "J" type seams. They shall be capable trapping particles larger than 150 microns. High volume filter bags shall be made from woven geotextiles that meet the following standards:

Property	Test Method	Minimum Standard
Avg. wide width strength	ASTM D-4884	60 lb/in
Grab tensile	ASTM D-4632	250 lb
Puncture	ASTM D-4633	110 lb
Mullen burst	ASTM D-3798	350 psi
UV resistance	ASTM D-4355	70%
AOS % retained	ASTM D-4751	80 sieve

A suitable means of accessing the bag with machinery required for disposal purposes shall be provided. Filter bags shall be replaced when they become 1/2 full of sediment. Spare bags shall be kept available for replacement of those that have failed or are filled. Bags shall be placed on straps to facilitate removal unless bags come with lifting straps already attached.

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 5%. For slopes exceeding 5%, clean rock or other non-erodible and non-polluting material may be placed under the bag to reduce slope steepness.

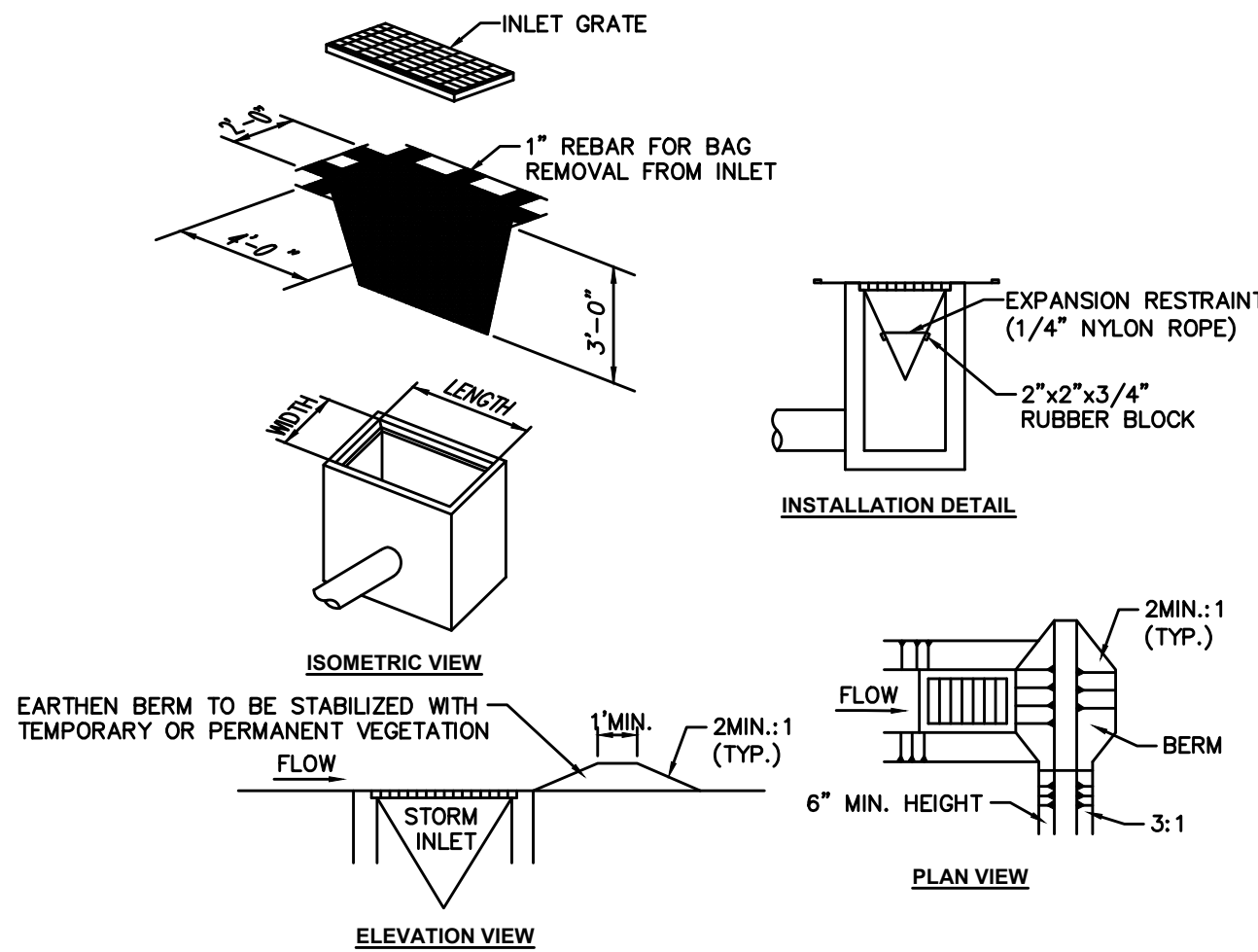
No downslope sediment barrier is required for most installations. Compost berm or compost filter sock shall be installed below bags located in HQ or EV watersheds, within 50 feet of any receiving surface water or where grassy area is not available.

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 1/2 the maximum specified by the manufacturer, whichever is less. Pump intakes shall 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.

STANDARD CONSTRUCTION DETAIL #3-16  
PUMPED WATER FILTER BAG  
N.T.S.



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.

Roller earthen berm shall be maintained until roadway is stoned. Road subbase berm 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 of accumulated sediment as well as all used bags according to the plan notes.

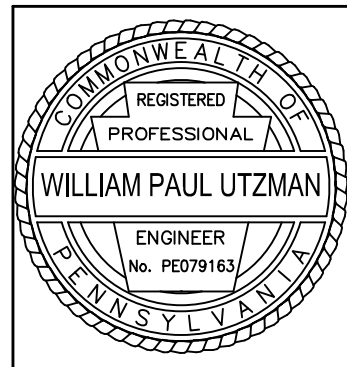
DO NOT USE ON MAJOR PAVED ROADWAYS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS.

STANDARD CONSTRUCTION DETAIL #4-16  
FILTER BAG INLET PROTECTION - TYPE M INLET  
N.T.S.

THE ENGINEER ASSUMES NO RESPONSIBILITY FOR ANY CHANGES IN DESIGN PLANS UNLESS WRITTEN CONSENT IS GIVEN BY THE ENGINEER. THE CONTRACTOR AND/OR THE OWNER WILL BE HELD RESPONSIBLE FOR ANY FIELD MODIFICATIONS MADE WITHOUT THE WRITTEN CONSENT OF THE ENGINEER AND NECESSARY APPROVALS BY PERMITTING AGENCIES.

THE LOCATION OF EXISTING UTILITIES WERE TAKEN FROM RECORDS AND MARKING PROVIDED BY OTHERS AND OBSERVED EVIDENCE. THE LOCATIONS SHOWN MAY BE APPROXIMATE. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATIONS, SIZES AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL EXERCISE CARE TO AVOID DAMAGE TO ALL EXISTING UTILITIES.

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EROSION AND SEDIMENTATION CONTROL DETAILS

CHURCH VIEW SENIOR RESIDENCES

WESTMORELAND COUNTY HOUSING AUTHORITY

MOUNT PLEASANT TOWNSHIP, WESTMORELAND COUNTY, PA

Morris Knowles & Associates, Inc. (A Hammontree Company)

Consulting Engineers and Land Surveyors

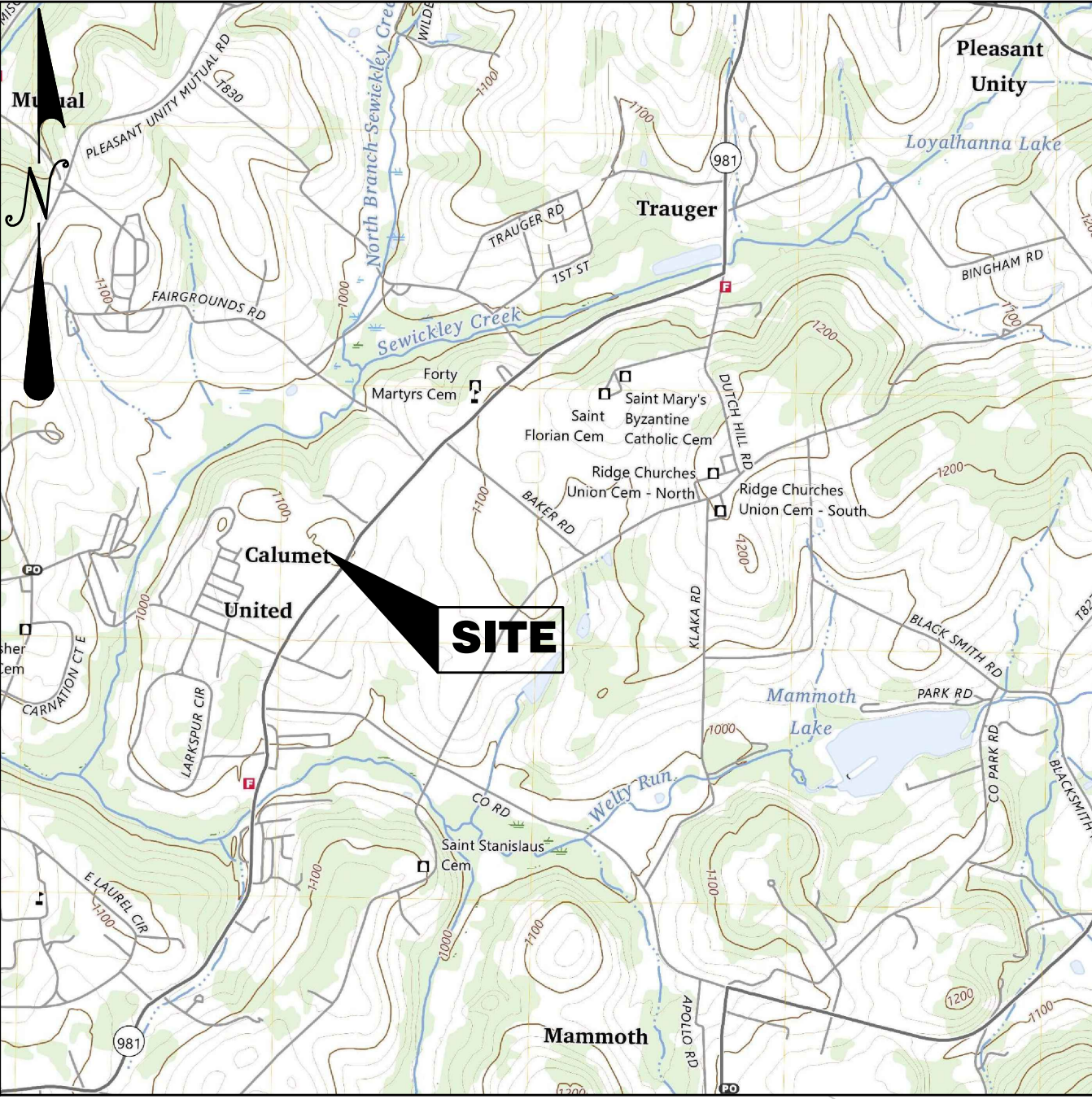
1740 Golden Mile Highway, Suite 101  
Pittsburgh, PA 15203  
Telephone: (724) 488-8840  
Fax: (724) 488-8840  
info@morrisknowles.com www.morrisknowles.com

SCALE:

DESIGNED BY: DEB  
REVIEWED BY: WPU  
DRAWN BY: SPP  
DATE: JAN 2025  
PROJ. NO.: 1885.10

REVISION BY: DEB  
REVISION BY: WPU  
REVISION BY: SPP  
REVISION BY: SPP  
REVISION BY: SPP  
REVISION BY: SPP  
REVISION BY: SPP

DESCRIPTION:  
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DESCRIPTION:



LOCATION MAP  
SCALE: 1"=2000'  
USGS QUADRANGLE MAP  
MAMMOTH, PA

NOTES:

1. THE OWNER OF THE PROPERTY IS THEREBY THE OWNER OF ALL PERMANENT STORMWATER FACILITIES AND SHALL BE RESPONSIBLE FOR THE MAINTENANCE AND OPERATION OF ALL SUCH FACILITIES.
2. THE RECEIVING WATER COURSE IS UNNAMED TRIBUTARY TO ALLEGHENY RIVER WHICH IS DESIGNATED AS A WARM WATER FISHERY (WMF) BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, CHAPTER 93.
3. ALL BUILDING MATERIALS AND CONSTRUCTION WASTES SUCH AS EXCESS OR UNSUITABLE SOIL, ASPHALT MILLINGS, CONCRETE, ETC. 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.
4. 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.
5. 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. INSPECTIONS SHALL BE LOGGED ON THE MOST CURRENT DEP FORM 3150-FM-BWEW0083 AND KEPT ON SITE AT ALL TIMES.
6. CLEAN SEDIMENT COLLECTED FROM BMPs SHALL BE SPREAD OUT IN AN AREA UPSLOPE FROM E&S BMPs IN ORDER TO BE DRIED OUT AND THEN REUSED OR STOCKPILED. ALL MATERIAL REMOVED FROM THE SITE SHALL BE DISPOSED OF PROPERLY IN AN APPROVED C&D LANDFILL. IF CLEAN FILL MATERIAL IS REMOVED FROM THE SITE, IT SHALL BE TAKEN TO AN APPROVED C&D LANDFILL OR IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN AN APPROVED E&S PLAN FOR THE OTHER SITE.
7. THERE ARE NO ANTICIPATED OR KNOWN GEOLOGIC FORMATIONS THAT COULD CAUSE POLLUTION. HOWEVER, COMPOST FILTER SOCK AND UTILITY TRENCHING GUIDELINE WILL BE FOLLOWED TO MINIMIZE ANY IMPACTS.
8. THERMAL IMPACTS: APPROPRIATELY SPACED INLETS WILL MINIMIZE PAVEMENT OVERLAND FLOW AND MINIMIZE THERMAL IMPACTS TO DISCHARGING STORMWATER RUNOFF. AREAS THAT ARE NOT PAVED WILL BE LAWN COVERED. STORMWATER RUNOFF WILL DISCHARGE INTO AN UNDERGROUND DETENTION FACILITY TO COOL THE WATER PRIOR TO LEAVING THE SITE.

CALL BEFORE YOU DIG  
IN PENNSYLVANIA  
1-800-242-1776  
DESIGN SN: 20241833199

Know what's below  
Call before you dig

THE GENERAL CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES INVOLVED IN THE SITE NO MORE TEN DAYS AND NO LESS THAN THREE DAYS IN ADVANCE OF EXCAVATION (PA ACT 287 OF 1974 AMENDED BY ACT 50 OF 2018). PA STATE LAW REQUIRES 3 WORKING DAYS NOTICE

PERMANENT-STEEP SLOPE

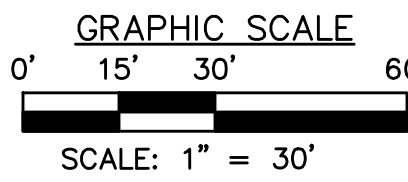
SPECIES: BIRDSFOOT TREFOIL AND TALL FESCUE MIX  
% PURE LIVE SEED: 99%  
APPLICATION RATE: 10 AND 50 LBS/ACRE. RESPECTIVELY  
FERTILIZER TYPE: COMMERCIAL FERTILIZER 5-10-10  
FERTILIZER APPL. RATE: (PER TESTING) 30 LBS/ACRE  
LIMING RATE: 1 TONS/ACRE MULCH TYPE: HAY & STRAW  
MULCHING RATE: 3 TONS/ACRE  
ANCHORING MATERIAL: NONASPHALTIC MATERIAL  
ANCHORING METHOD: SPRAY  
RATE OF ANCHORING MATERIAL APPL.: 1000 GAL/SQ.YD.  
SEEDING DATES: APRIL-SEPT.

PERMANENT STABILIZATION

SPECIES :  
• POA PRATENSIS (KENTUCKY BLUEGRASS) 90% PURE LIVE SEED,  
APPLICATION RATE 50LBS/AC  
• FESTUCA RUBRA VAR. "PENNLAWN" (PENNLAWN RED FESCUE)  
98% PURE LIVE SEED, APPLICATION RATE 30LBS/AC  
• LOLIUM PERENNE (PERENNIAL RYEGRASS) 98% PURE LIVE SEED,  
APPLICATION RATE 20LBS/AC  
FERTILIZER: COMMERCIAL FERTILIZER, 10-20-20, 1,000 LBS./ACRE  
LIMING: 4,000 LBS./ACRE  
MULCH: WHEAT OR OAT STRAW WELL CURED TO LESS THAN 20%  
MOISTURE BY WEIGHT, 5,800 POUNDS PER ACRE  
SEEDING DATES: SPRING - MARCH TO MAY 30,  
FALL - SEPTEMBER 1 TO OCTOBER 15

LEGEND

- |      |   |                          |   |     |   |                           |
|------|---|--------------------------|---|-----|---|---------------------------|
| SAN  | - | SANITARY                 | - | G   | - | GAS LINE                  |
| ST   | - | STORM                    | - | W   | - | WATER LINE                |
| MH   | - | MANHOLE                  | - | T   | - | SUBSURFACE TELEPHONE LINE |
| TOP  | - | TOP OF CASTING           | - | E   | - | SUBSURFACE ELECTRIC LINE  |
| INV  | - | INVERT / FLOW LINE       | - | OH  | - | OVERHEAD WIRES            |
| WV   | - | WATER VALVE              | - | --- | - | EXISTING CONTOURS         |
| GV   | - | GAS VALVE                | - | --- | - | EXISTING INLET            |
| GM   | - | GAS METER                | - | --- | - | EXISTING MANHOLE          |
| EM   | - | ELECTRIC METER           | - | --- | - | EXISTING SEWER            |
| S.R. | - | STATE ROUTE              | - | --- | - | EXISTING CONTOUR          |
| TEL  | - | TELEPHONE                | - | --- | - | EXISTING CONTOUR          |
| RCP  | - | REINFORCED CONCRETE PIPE | - | --- | - | EXISTING CONTOUR          |
| CPP  | - | CORRUGATED PLASTIC PIPE  | - | --- | - | EXISTING CONTOUR          |



LEGEND

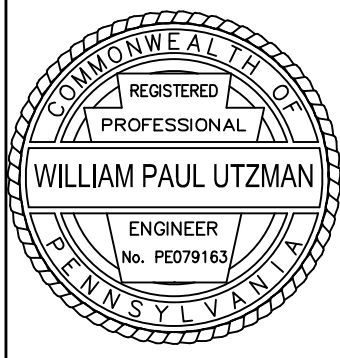
- |     |        |                            |
|-----|--------|----------------------------|
| +   | 1100.0 | PROPOSED SPOT ELEVATION    |
| --- | 1100   | PROPOSED CONTOUR           |
| --- | 1100   | EXISTING CONTOUR           |
| --- | ---    | SURFACE DRAINAGE DIRECTION |

SOIL MAP UNIT LEGEND	
MAP UNIT SYMBOL	MAP UNIT NAME
XXX	Soil Description
XXX	Soil Description
XXX	Soil Description

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POST CONSTRUCTION STORMWATER MANAGEMENT PLAN

CHURCH VIEW SENIOR RESIDENCES  
prepared for  
COUNTY HOUSING AUTHORITY  
situated in  
MOUNT PLEASANT TOWNSHIP, WESTMORELAND COUNTY, PA

SHEET NO.  
C800

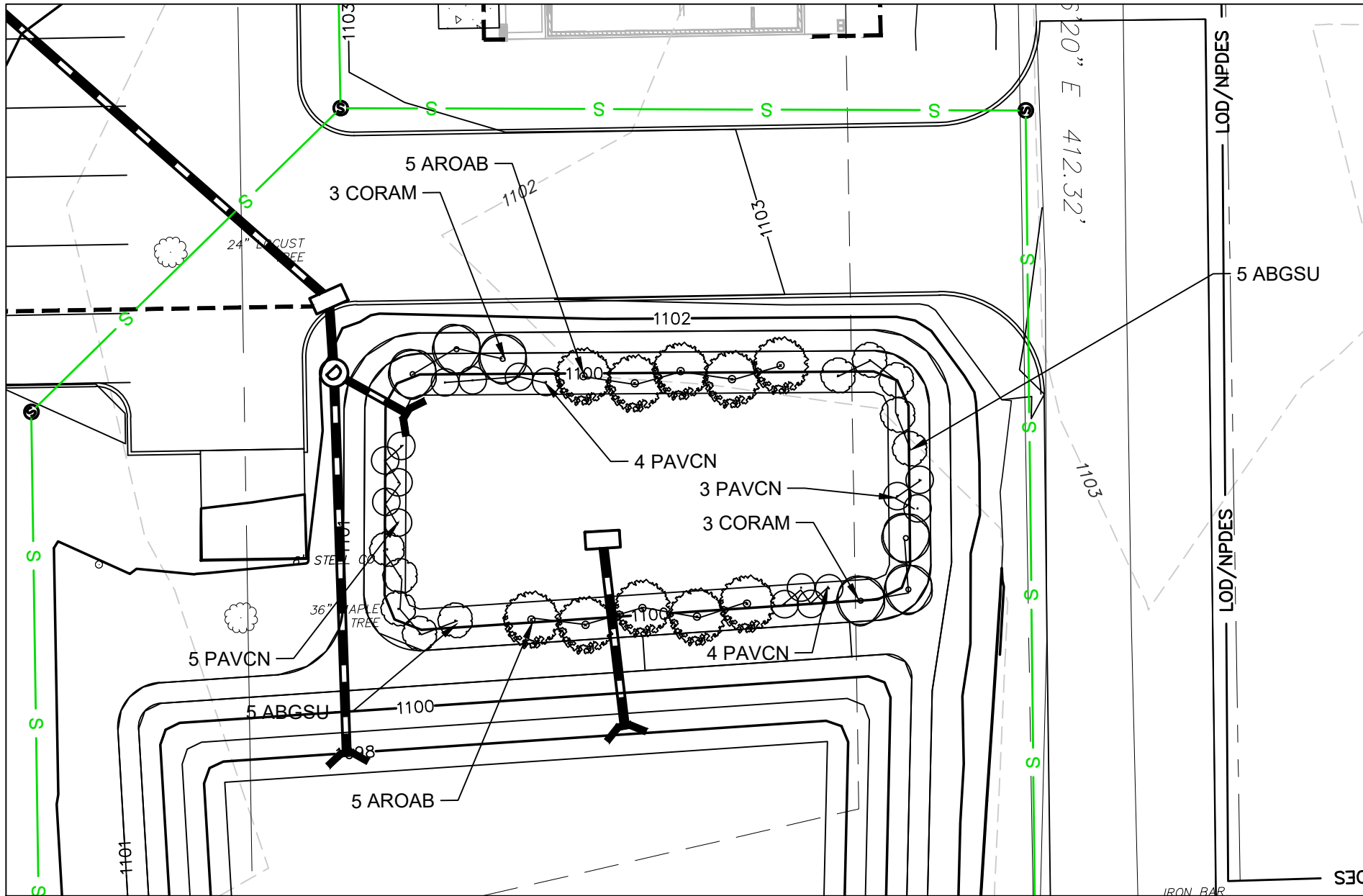
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**Morris Knowles & Associates, Inc.**  
(A Hammontree Company)  
Consulting Engineers and Land Surveyors  
1740 Golden Mile Highway, Suite 101  
Pittsburgh, PA 15203  
Telephone: (724) 488-4822  
Fax: (724) 488-8840  
info@morrisknowles.com www.morrisknowles.com

SCALE:  
1" = 30'





DESIGNED BY: GAV/WPU  
REVIEWED BY: WPU  
DRAWN BY: SPP  
DATE: JAN 2025  
PROJ. NO.: 1888.10

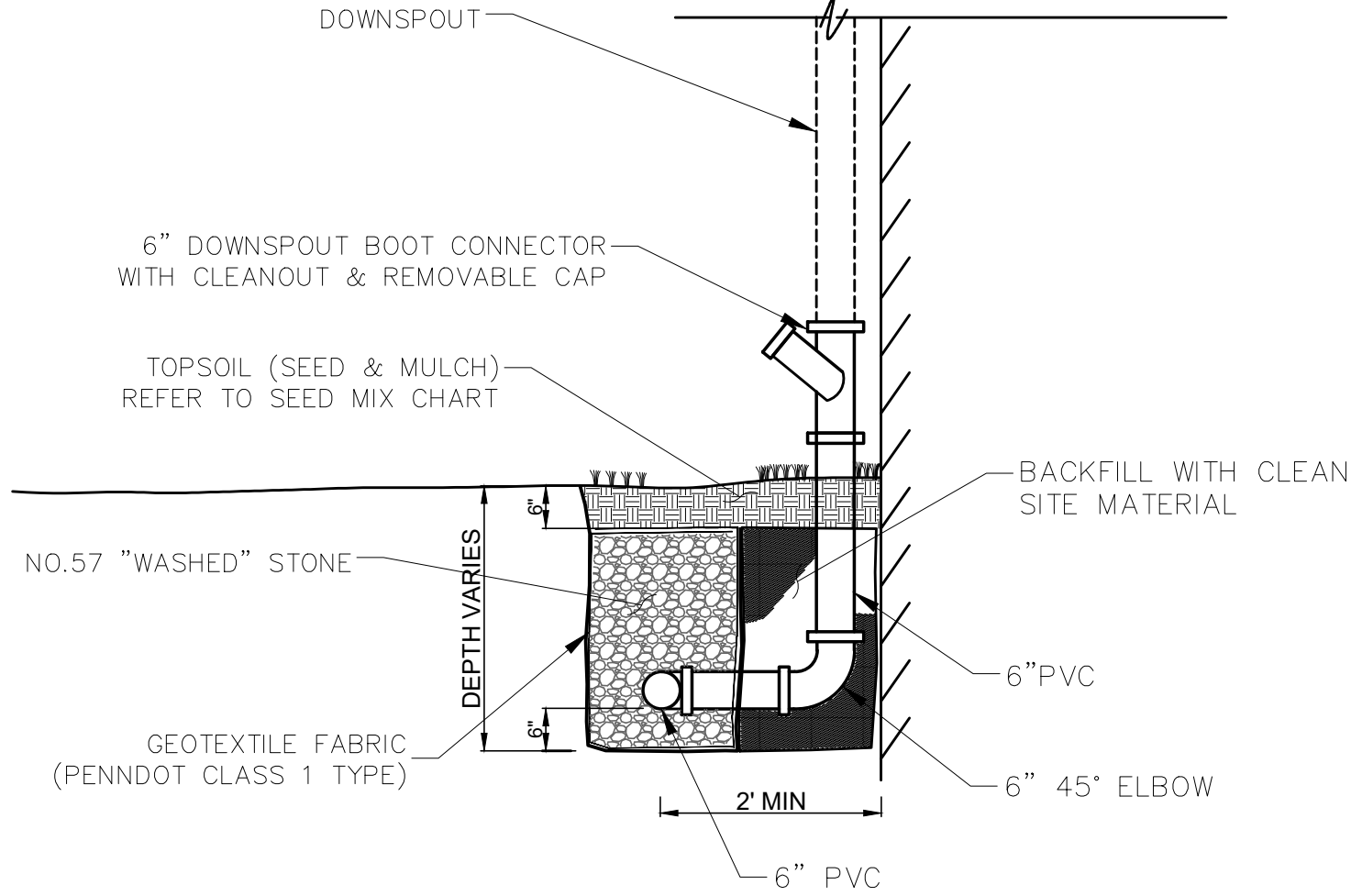
REVISION BY:	DATE:	DESCRIPTION:



SCM#1 BASIN LANDSCAPE PLAN

N.T.S.

PLANTING SCHEDULE							
LEGEND	KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS	HEIGHT
					COND		SPREAD
	ABGSU	10	Abelia x grandiflora 'Sunrise'	Sunrise Variegated Abelia	No.1 Cont.	Evergreen White Fls	3'-5' 4'-6'
	AROAB	10	Aronia arbutifolia 'Brilliantissima'	Brilliant Red Chokeberry	No. 5 Cont.	Deciduous Red Fruit	7'-8' 10'
	CORAM	6	Cornus amomum	Silky Dogwood	3' Ht. B & B	Deciduous	6-10' 6-10'
	PAVCN	16	Panicum virgatum 'Cloud Nine'	Cloud Nine Switch Grass	No. 1 Cont.	Orn. Grass Arching	6-8' 5'-6'



TYPICAL DOWNSPOUT CONNECTION

N.T.S.



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1-800-242-1776  
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THE GENERAL CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES INVOLVED IN THE SITE NO MORE TEN DAYS AND NO LESS THAN THREE DAYS IN ADVANCE OF EXCAVATION (PA ACT 287 OF 1974 AMENDED BY ACT 50 OF 2018). PA STATE LAW REQUIRES 3 WORKING DAYS NOTICE

## EDIT PER JOB

### MAINTENANCE PROGRAM:

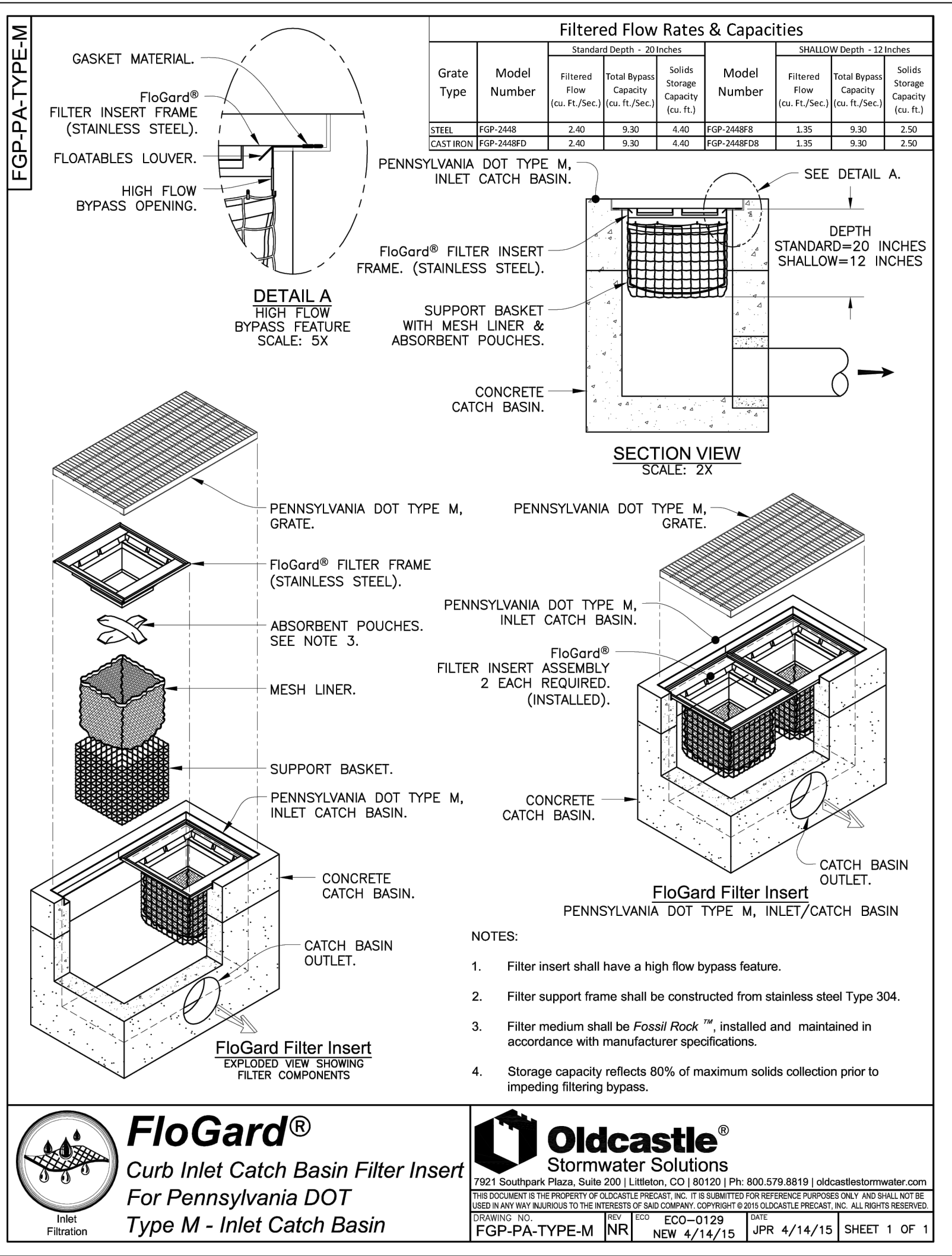
DURING CONSTRUCTION, ALL FILTER FABRIC FENCE AND EROSION AND SEDIMENTATION CONTROL FACILITIES WILL BE INSPECTED, AS NEEDED, TO INSURE ALL SYSTEMS ARE FUNCTIONING PROPERLY. FILTER FABRIC FENCE WILL BE REPLACED, AS NEEDED. THE CONTRACTOR WILL BE RESPONSIBLE FOR REPLACEMENT AND REPAIR.

DURING CONSTRUCTION, ALL CONSTRUCTION ENTRANCES TO THE SITE WILL BE PROTECTED BY GRAVEL BEDS. THE INFILTRATION SYSTEMS WILL BE INSPECTED PERIODICALLY DURING CONSTRUCTION AND AGAIN UPON PROJECT COMPLETION FOR PROPER OPERATION. THE SYSTEM WILL THEREAFTER BE INSPECTED EACH MONTH BY THE OWNER. IF THE SYSTEM SHOWS ANY SIGNS OF FAILURE OR IMPROPER OPERATION AT ANY TIME, THE OWNER WILL REPLACE AND/OR REPAIR THE AFFECTED AREAS.

INSPECTION OF THE STORMWATER MANAGEMENT SYSTEM WILL INCLUDE:

INSPECTION SHALL BE DONE OF THE ENTIRE STORMWATER MANAGEMENT FACILITY AFTER EVERY STORM EVENT EXCEEDING ONE INCH OF RAINFALL AND AT LEAST ONCE EVERY THREE MONTHS. THIS INSPECTION WILL INCLUDE:

- INSPECTION OF INLET BOXES AND STORM SEWERS FOR ACCUMULATIONS OF DEBRIS AND/OR SEDIMENT.
- MAINTENANCE OF THE FACILITIES SHALL INCLUDE VEGETATION CUTTING AND/OR REMOVAL ALONG WITH ROUTINE MAINTENANCE AS DETERMINED BY THE ENGINEER.
- THE OWNER SHALL CONTACT THE ENGINEER IF ANY SIGNS OF FAILURE HAVE BEEN FOUND DURING THE MONTHLY INSPECTION.
- A RECORD OF THE INSPECTIONS SHOULD BE KEPT BY THE OWNER FOR REVIEW BY THE MUNICIPALITY.
- INSPECTION OF THE BIO-RETENTION FACILITY FOR ACCUMULATIONS OF DEBRIS AND/OR SEDIMENT ALONG WITH SIGNS OF FAILURE OR EROSION. IF ACCUMULATIONS OF DEBRIS AND/OR SEDIMENT HAVE OCCURRED, THEN IT IS THE OWNER'S RESPONSIBILITY TO REMOVE THE DEBRIS AND/OR SEDIMENT AND REPAIR THE FACILITY TO PROPER OPERATION.
  - SEDIMENT REMOVAL SHOULD OCCUR WHEN THE BASIN IS DRY. DISPOSAL OF DEBRIS, TRASH, SEDIMENT AND OTHER WASTE MATERIAL SHOULD BE DISPOSED OF IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL WASTE REGULATIONS.
  - IF THE DRAIN TIME OF THE BIO-RETENTION BASIN EXCEEDS 72 HOURS, THEN THE SYSTEM'S PLANTING SOIL BED AND UNDERDRAIN SYSTEM MUST BE EVALUATED AND APPROPRIATE MEASURES TAKEN TO COMPLY WITH THE MAXIMUM DRAIN TIME REQUIREMENTS AND PROPER FUNCTIONING OF THE SYSTEM.



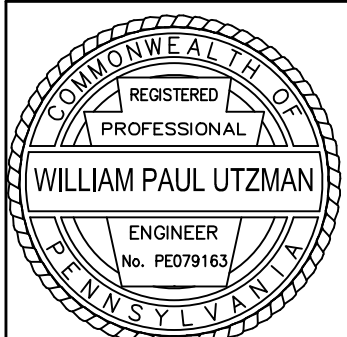
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REV. ECO-0129  
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SHEET 1 OF 1

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POST CONSTRUCTION STORMWATER MANAGEMENT DETAILS

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WESTMORELAND COUNTY HOUSING AUTHORITY

MOUNT PLEASANT TOWNSHIP, WESTMORELAND COUNTY, PA

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Consulting Engineers and Land Surveyors

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DESIGNED BY: GUV/WPU

REVIEWED BY: WPU

DRAWN BY: SPP

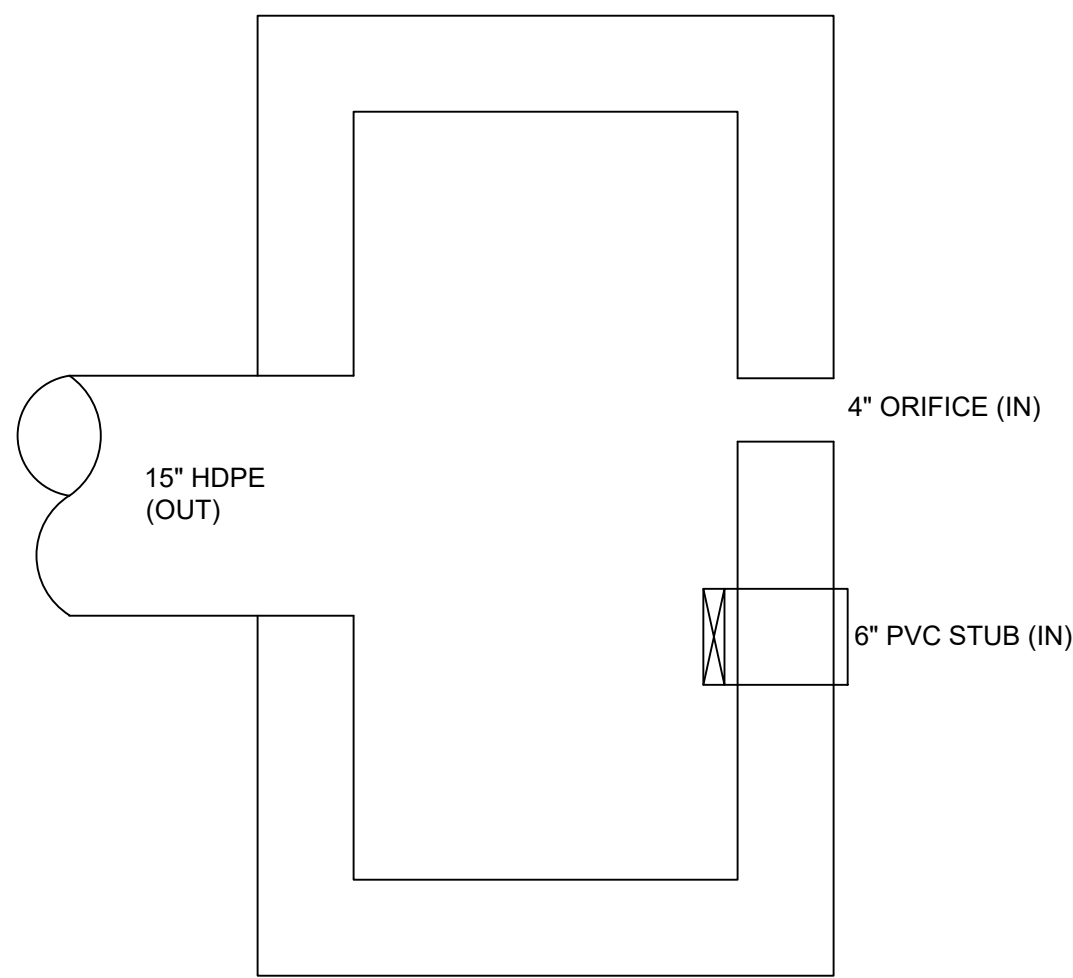
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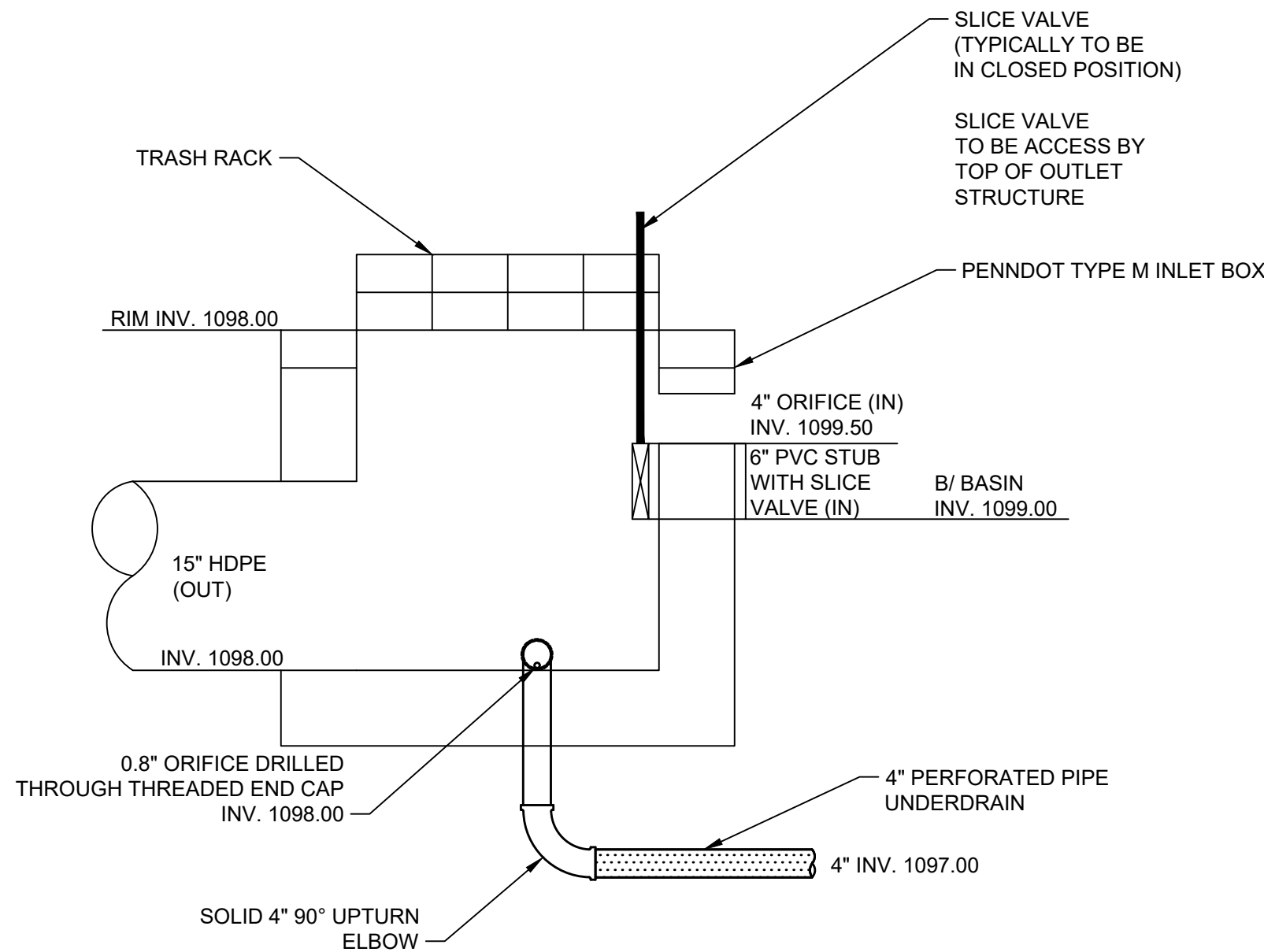
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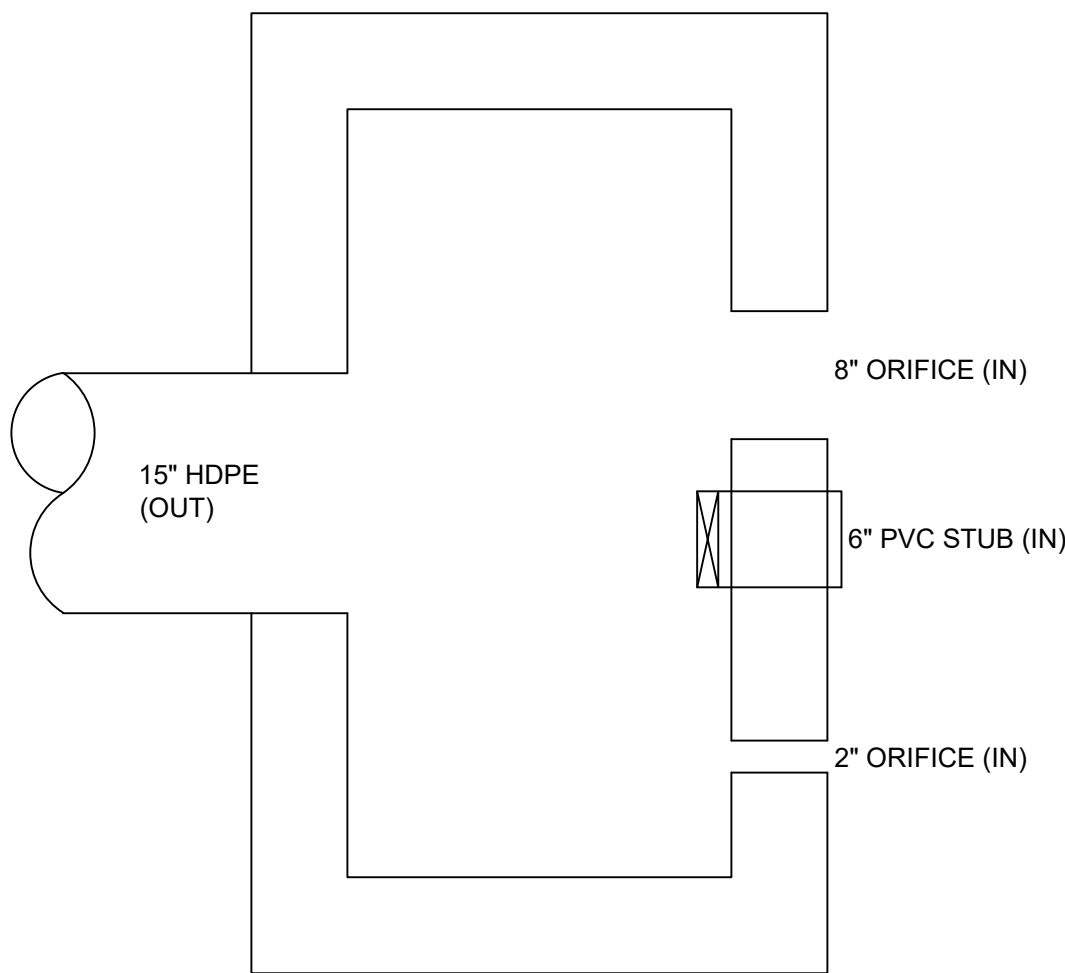


PLAN

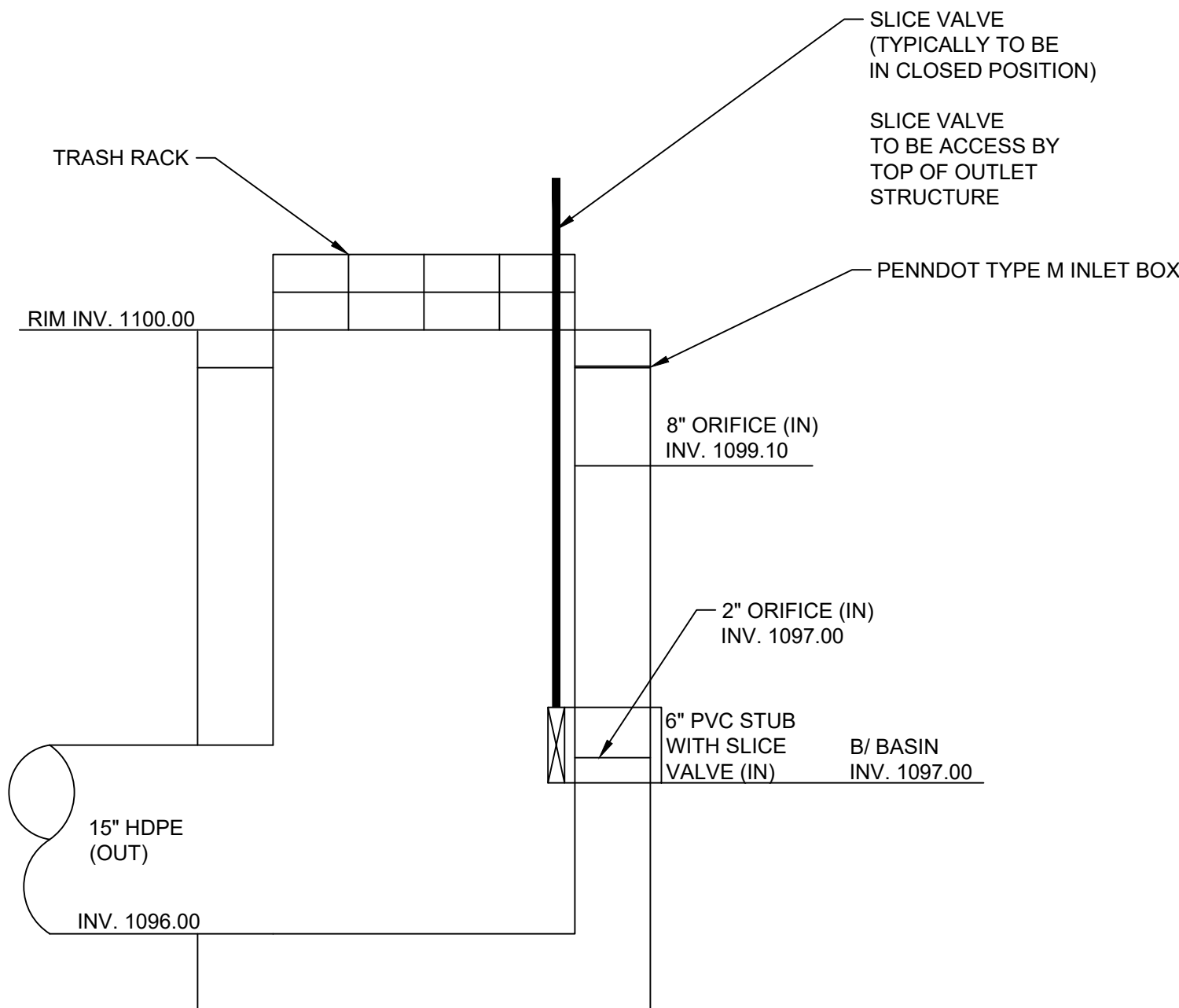


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OUTLET CONTROL STRUCTURE DETAIL  
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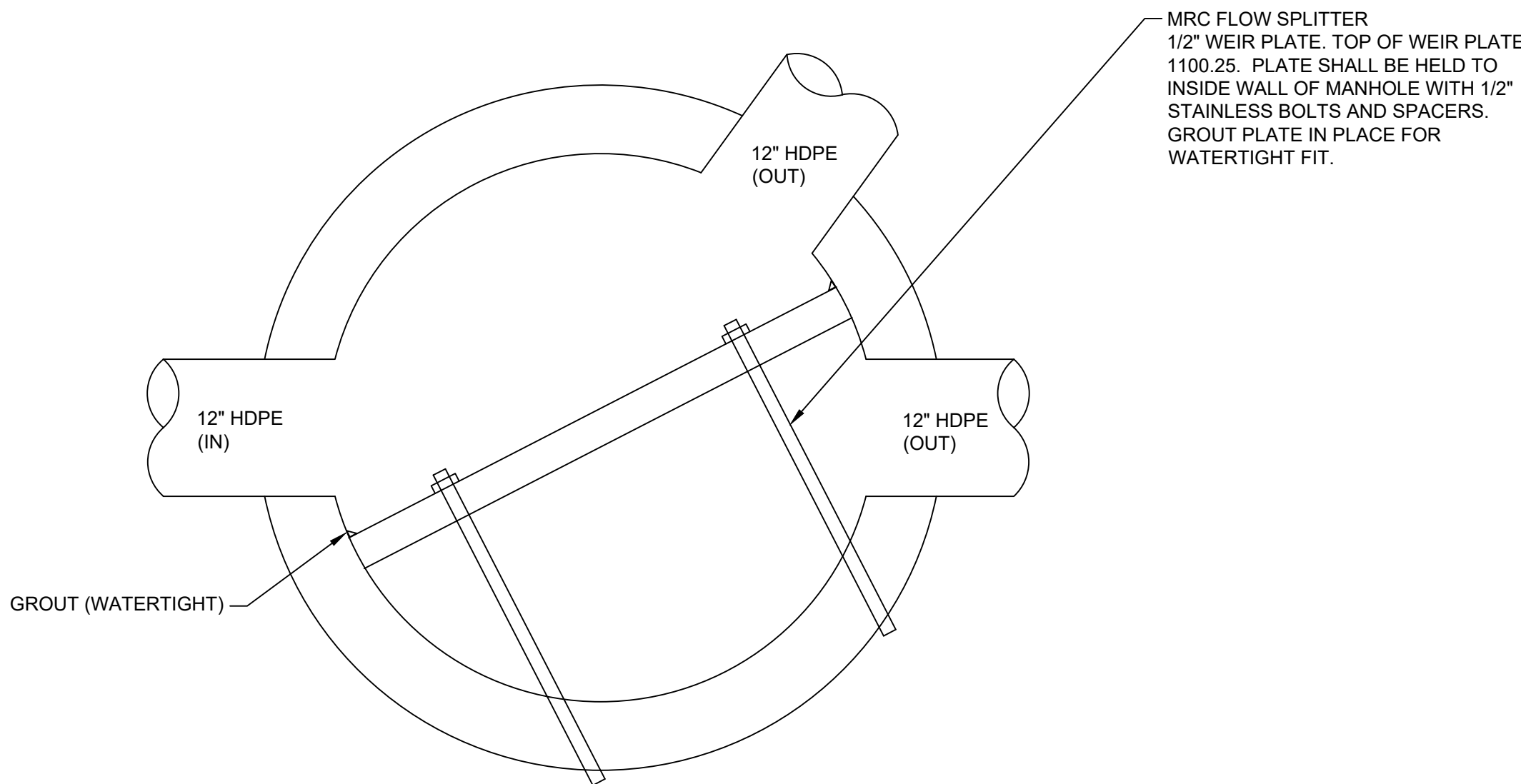


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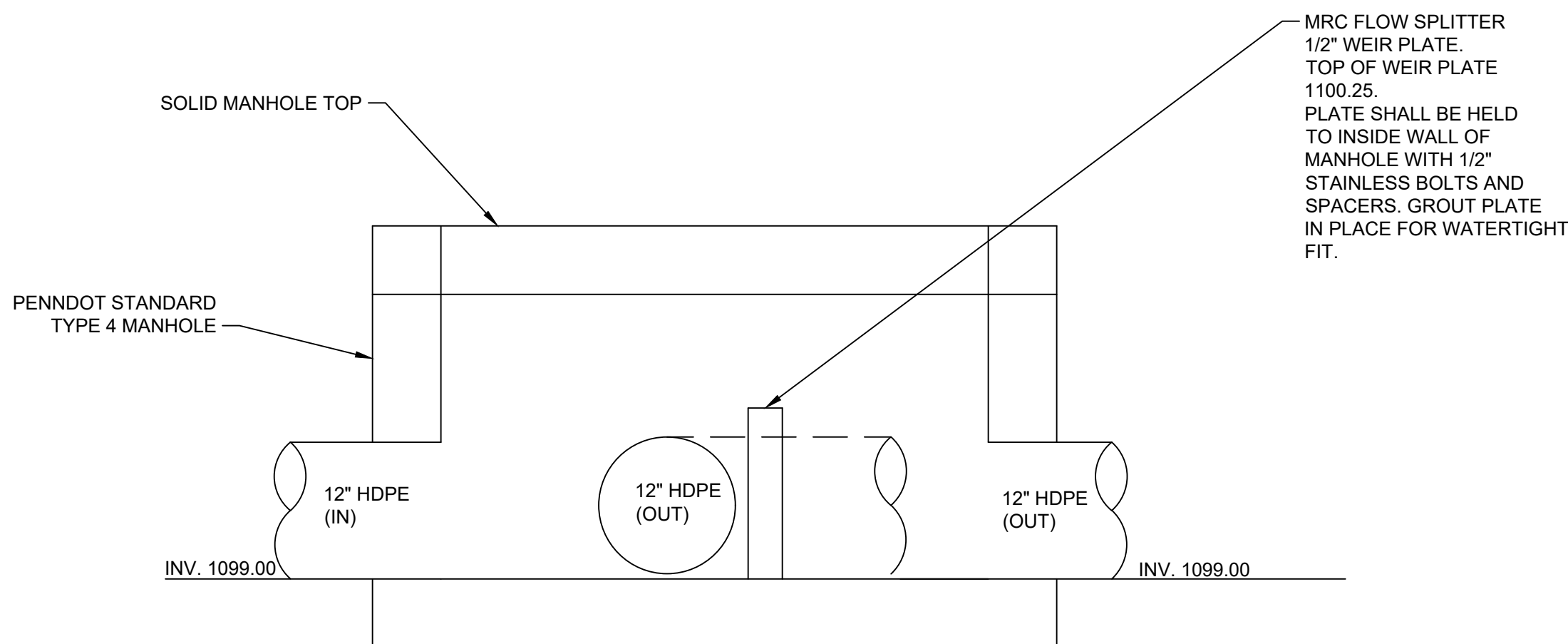


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OUTLET CONTROL STRUCTURE DETAIL  
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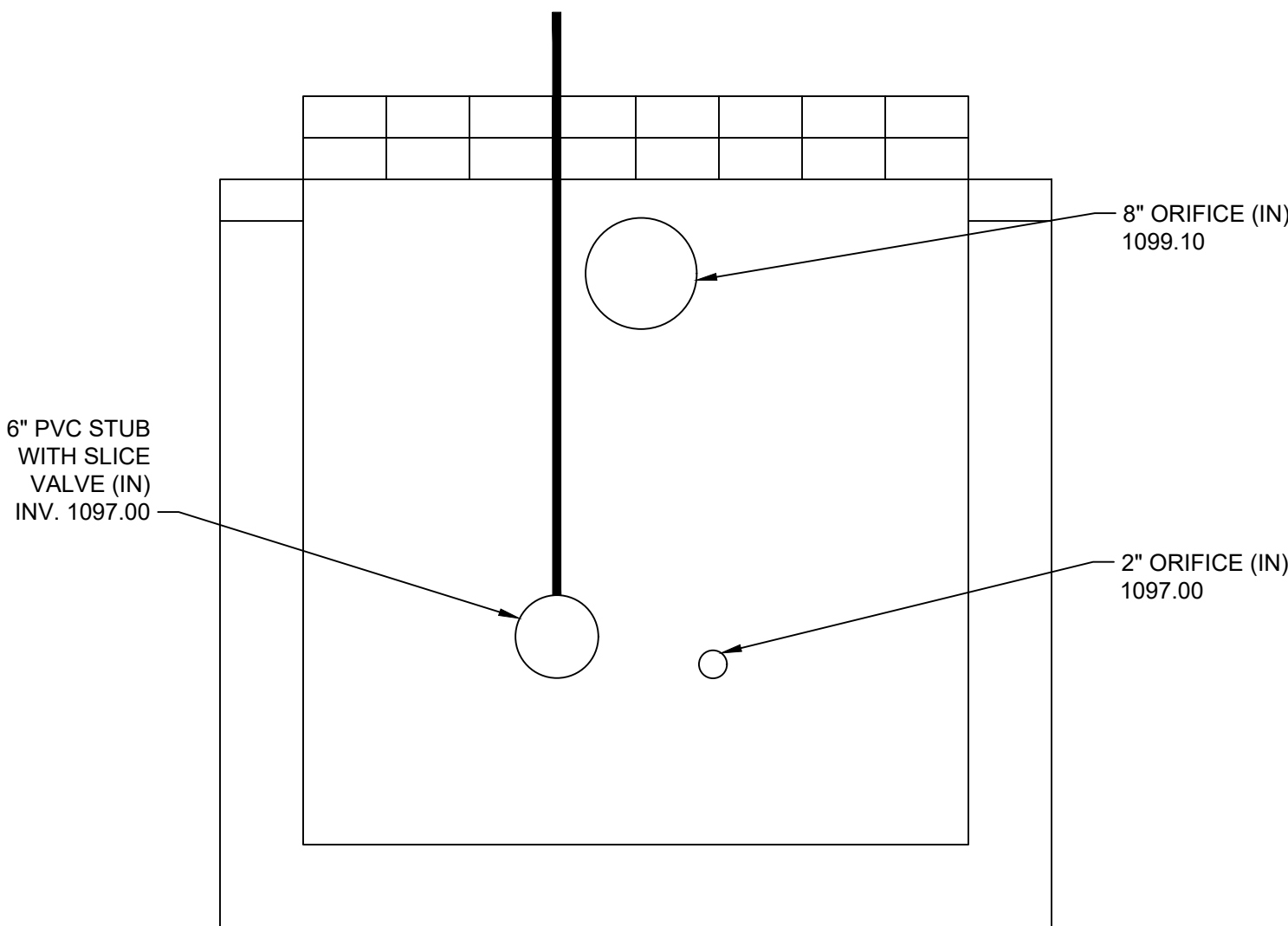


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SECTION

MRC FLOW SPLITTER  
STRUCTURE DETAIL  
N.T.S.

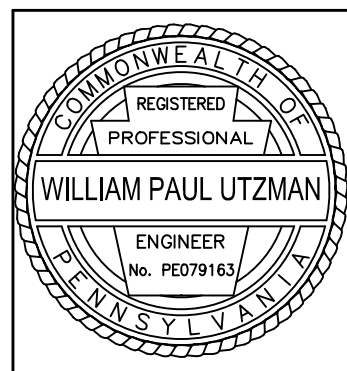


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DRAWN BY: SPP  
DATE: JAN 2025  
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SCALE:

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