

SOUTH CONNELLSVILLE MUNICIPAL AUTHORITY

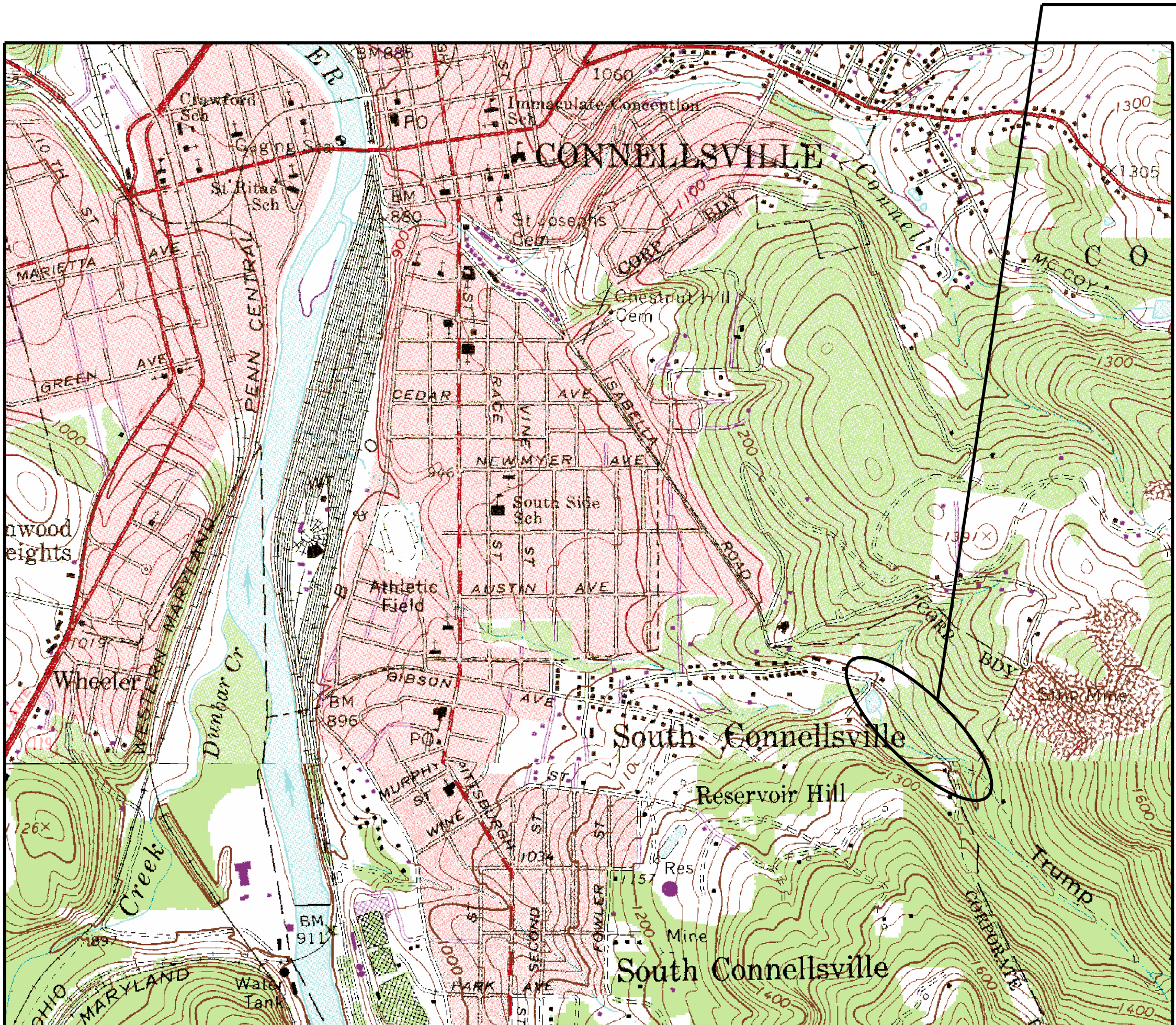
REIDMORE ROAD SEWER EXTENSION

SOUTH CONNELLSVILLE BOROUGH

FAYETTE COUNTY

WIDMER ENGINEERING No: 24654
JUNE 2026

PENNSYLVANIA



PROJECT LOCATION
REIDMORE RD
SOUTH CONNELLSVILLE, PA 15425

LOCATION MAP

SOURCE: USGS QUAD - CONNELLSVILLE, PA

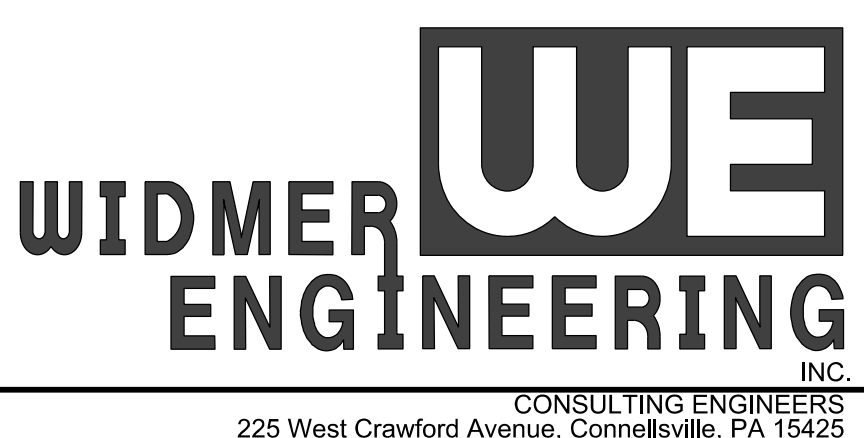


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CALL BEFORE YOU DIG!

PENNSYLVANIA ACT 287 REQUIRES
3 WORKING DAYS NOTICE FOR
CONSTRUCTION PHASE AND 5 WORKING
DAYS IN DESIGN STAGE - STOP - CALL

PENNSYLVANIA ONE CALL SYSTEM, INC.

 1-800-242-1776
OR 811

PENNSYLVANIA ONE-CALL:

1. ALL UNDERGROUND UTILITIES ARE SHOWN AT APPROXIMATE LOCATIONS. EXACT LOCATIONS, DEPTH, AND SIZE OF ALL EXISTING UTILITIES IN THE PROJECT AREA SHALL BE FIELD VERIFIED BY THE CONTRACTOR WITH A REPRESENTATIVE FROM THE APPROPRIATE UTILITY COMPANY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES AT LEAST SEVENTY-TWO (72) HOURS BEFORE ANY WORK IS COMMENCED AT THE PROJECT SITE.

PENNSYLVANIA ONE-CALL: 1-800-242-1776 OR 811

PENNSYLVANIA ONE CALL SERIAL NUMBER : 20260710731



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REIDMORE ROAD SEWER EXTENSION

SOUTH CONNELLSVILLE BOROUGH
FAYETTE COUNTY
PENNSYLVANIA

10. *Journal of the American Medical Association*, 2000; 284: 2689-2694.

SANITARY SEWER PLAN AND PROFILE

FIELD BOOK No.: N/A	
PROJECT No.: 24654	
DRAWN: JDS	CHECKED: KLB
DATE: JUNE 2026	

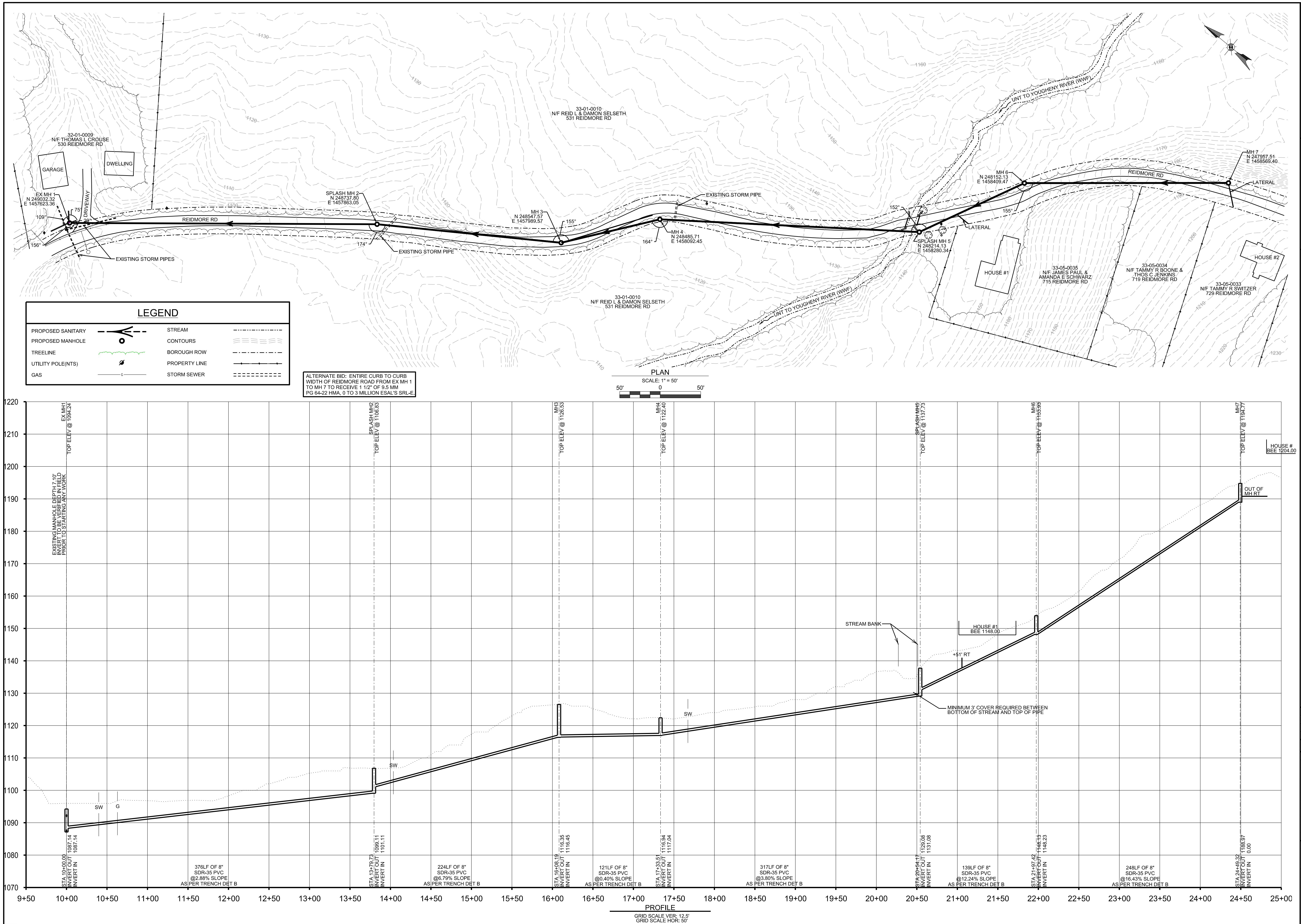
[illegible]

DRAWING NAME

24654 - 01

SHEET NUMBER

1 OF 2



**SOUTH CONNELLSVILLE MUNICIPAL AUTHORITY
REIDMORE ROAD SEWER EXTENSION**

PENNSYLVANIA

FAYETTE COUNTY

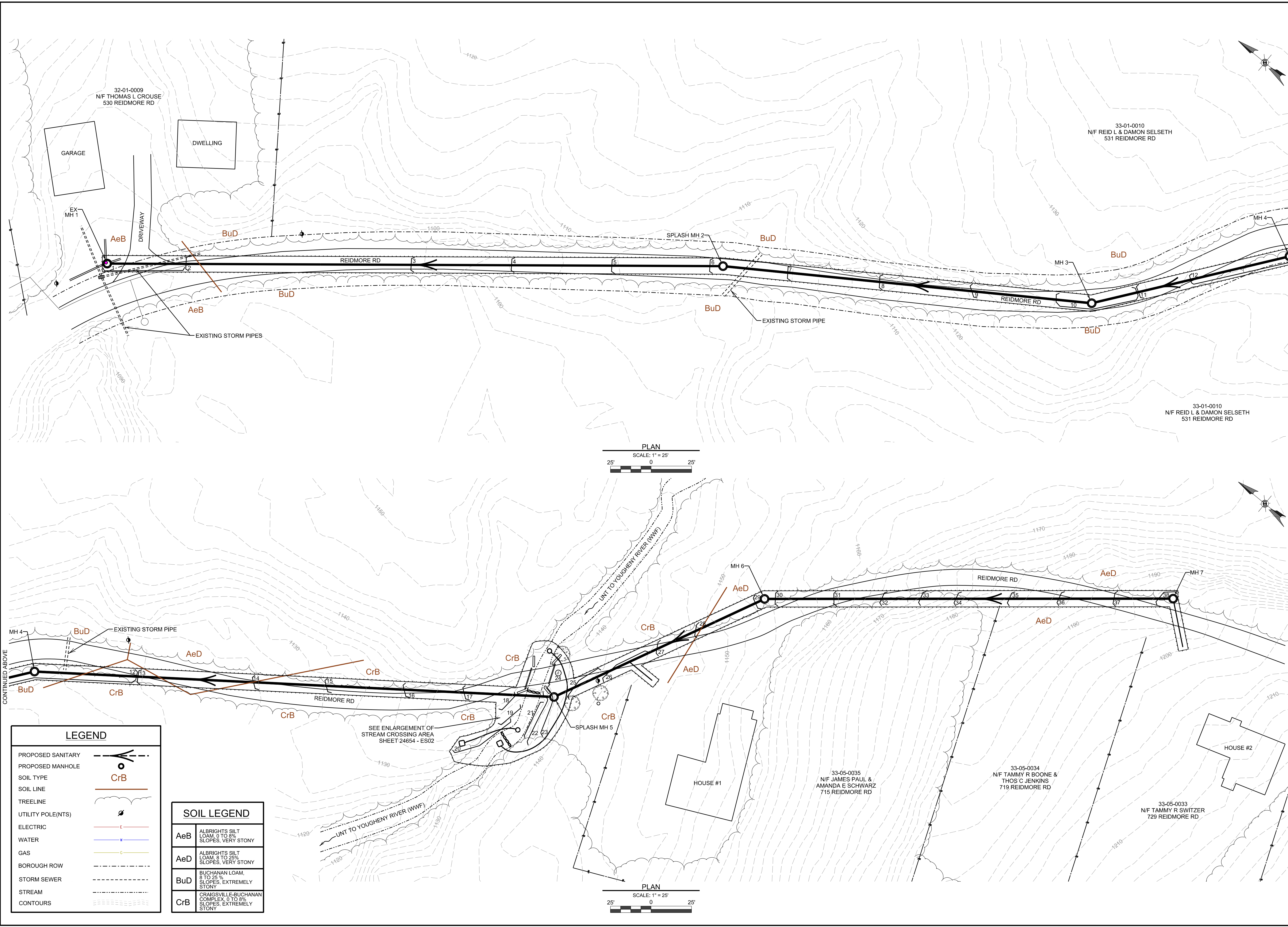
SOUTH CONNELLSVILLE BOROUGH

EROSION AND SEDIMENTATION
CONTROL PLAN

FIELD BOOK No.: N/A
PROJECT No.: 24654
DRAWN: JDS CHECKED: KLB
DATE: JUNE 2026

REVISION		
No.	DATE	DESCRIPTION
1	MMDDYY	

DRAWING NAME
24654 - ES01
SHEET NUMBER



**SOUTH CONNELLSVILLE MUNICIPAL AUTHORITY
REIDMORE ROAD SEWER EXTENSION**

PENNSYLVANIA

FAYETTE COUNTY

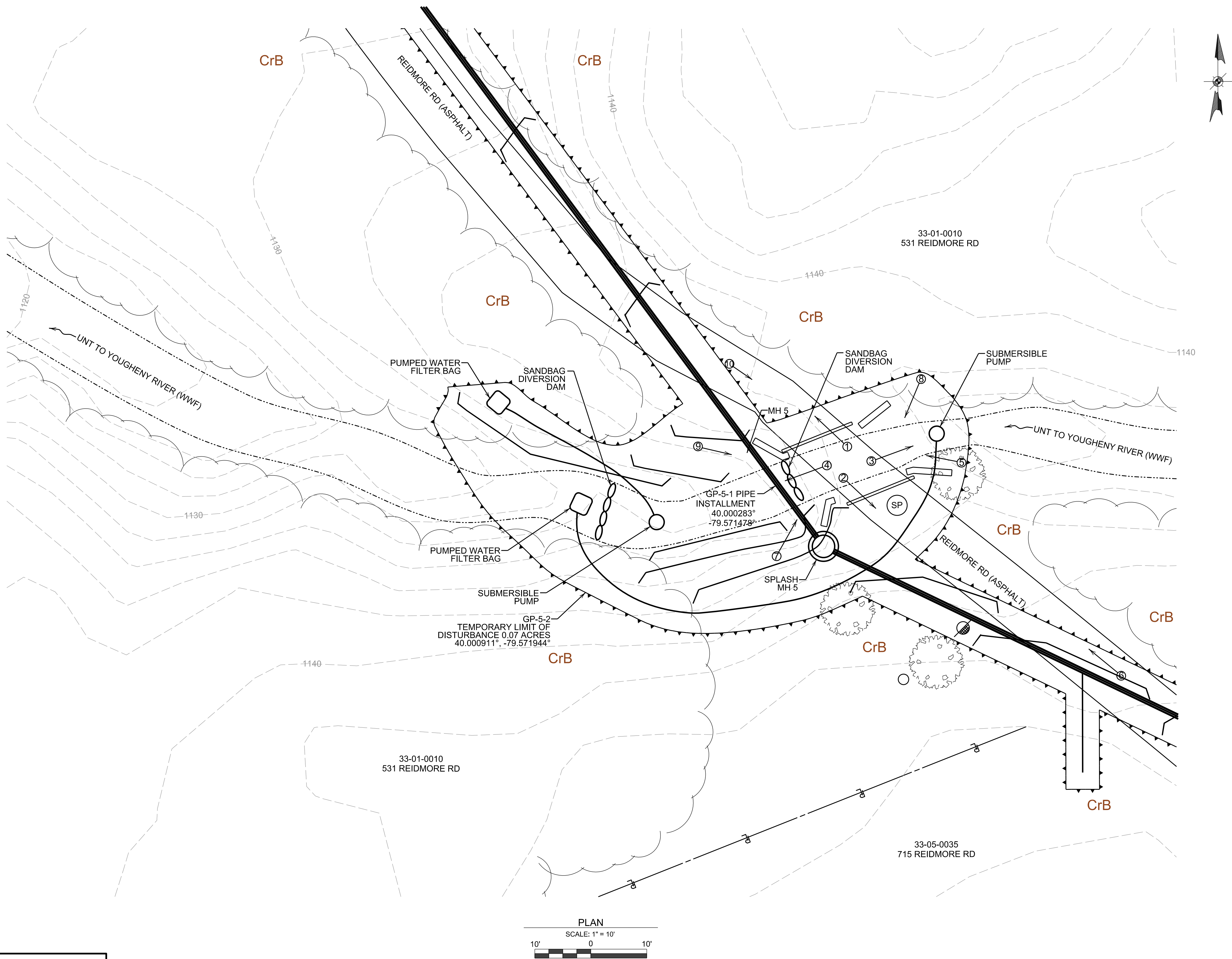
SOUTH CONNELLSVILLE BOROUGH

EROSION AND SEDIMENTATION CONTROL PLAN ENLARGEMENT

FIELD BOOK No.: N/A
PROJECT No.: 24654
DRAWN: JDS | CHECKED: KLB
DATE: JUNE 2026

REVISION		
No.	DATE	DESCRIPTION
1	MMDDYY	

DRAWING NAME
24654 - ES02
SHEET NUMBER

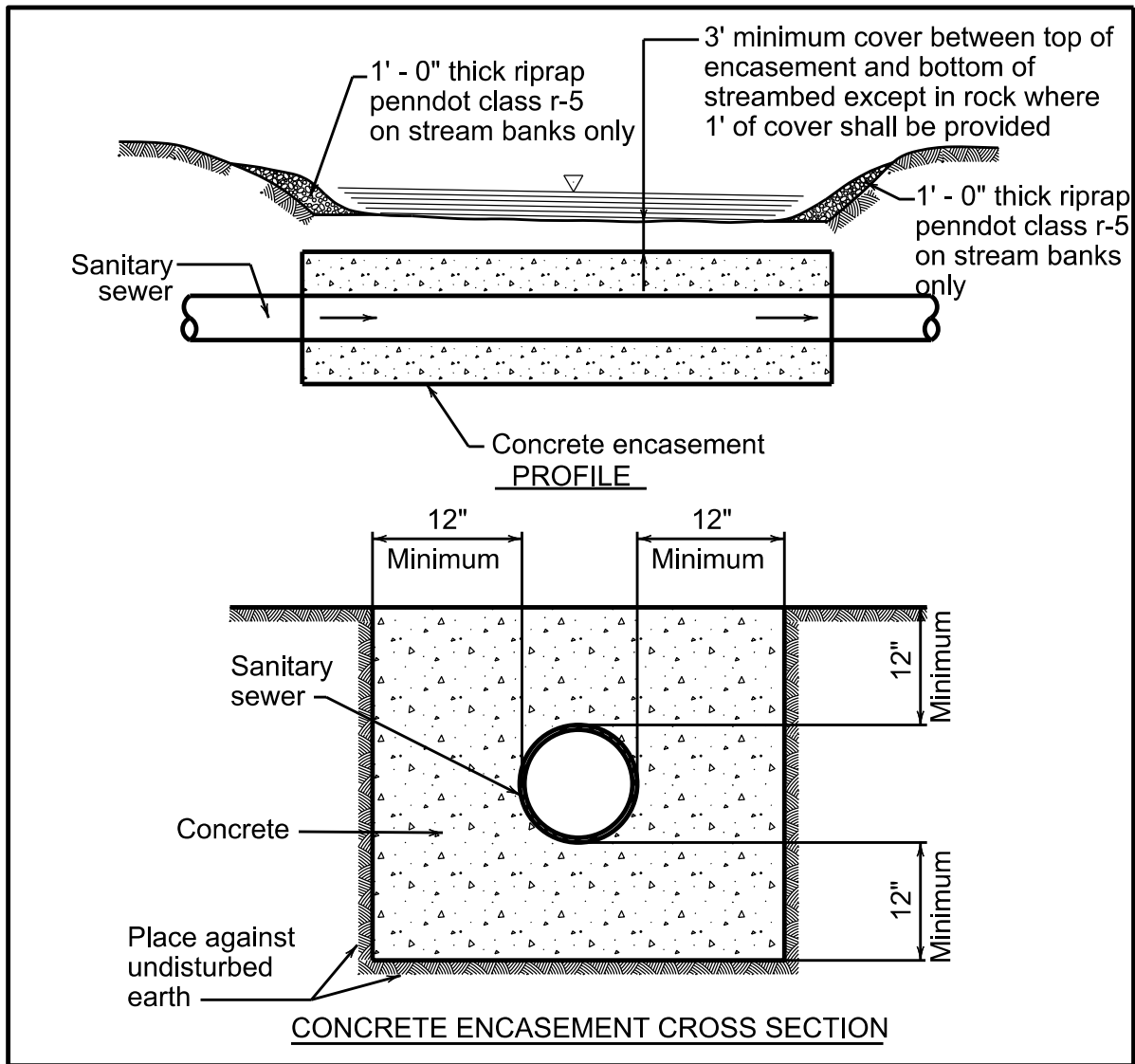


LEGEND

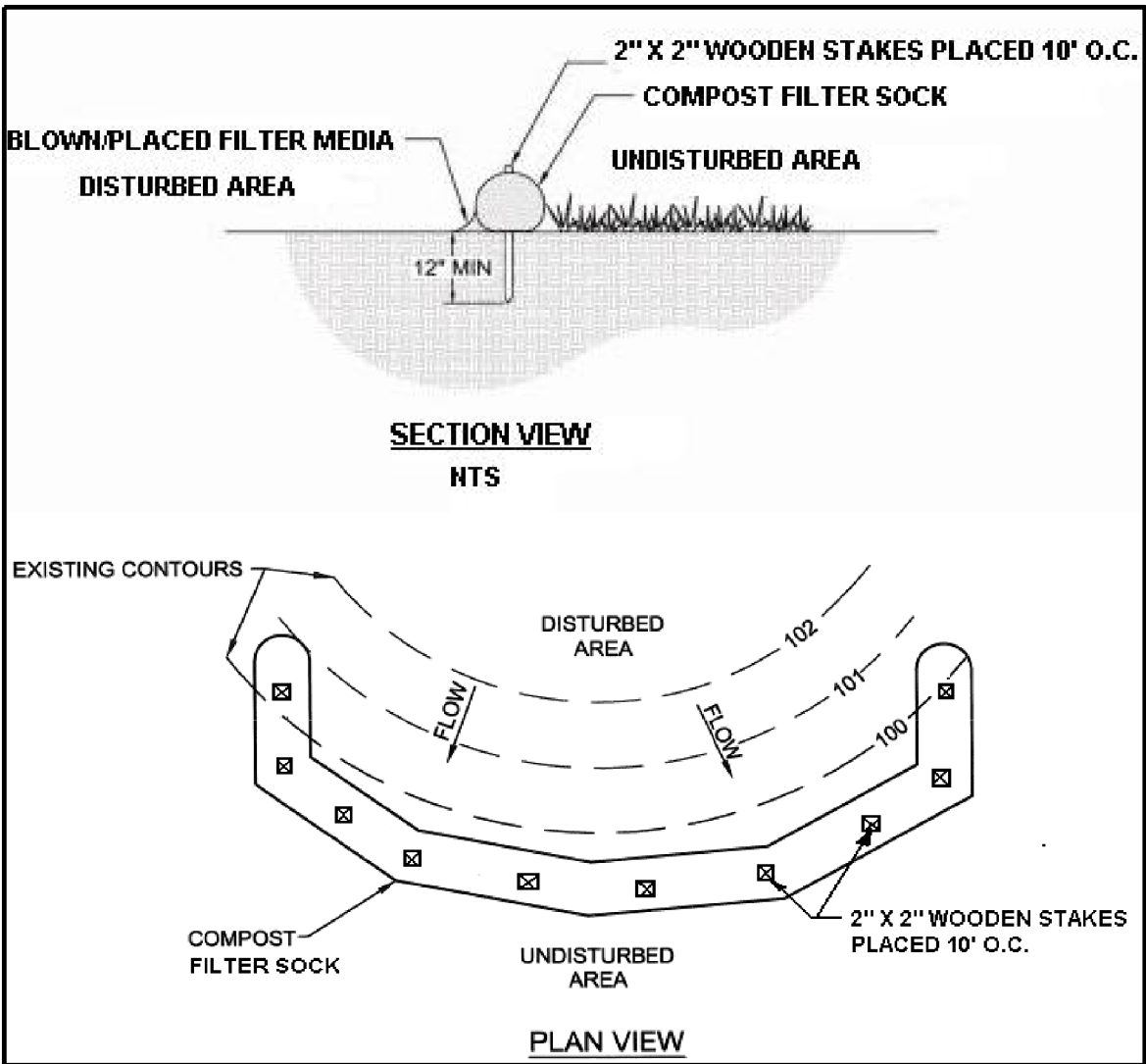
PHOTO LOCATION	
PROPOSED SANITARY	
PROPOSED MANHOLE	
SOIL STOCK PILE	
FILTER SOCK 12"	
SOIL TYPE	CrB
SOIL LINE	
LOD/NPDES BOUNDARY	
TREELINE	
UTILITY POLE(NTS)	
ELECTRIC	
WATER	
GAS	
BOROUGH ROW	
STORM SEWER	
STREAM	
CONTOURS	

SOIL LEGEND

AeB	ALBRIGHTS SILT LOAM, 0 TO 8% SLOPES, VERY STONY
AeD	ALBRIGHTS SILT LOAM, 8 TO 25% SLOPES, VERY STONY
BuD	BUCHANAN LOAM, 8 TO 25 % SLOPES, EXTREMELY STONY
CrB	CRAIGSVILLE-BUCHANAN COMPLEX, 0 TO 8% SLOPES, EXTREMELY STONY



#13-1 STREAM CROSSING CONCRETE ENCASEMENT DETAIL



#4-1 COMPOST FILTER SOCK

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.

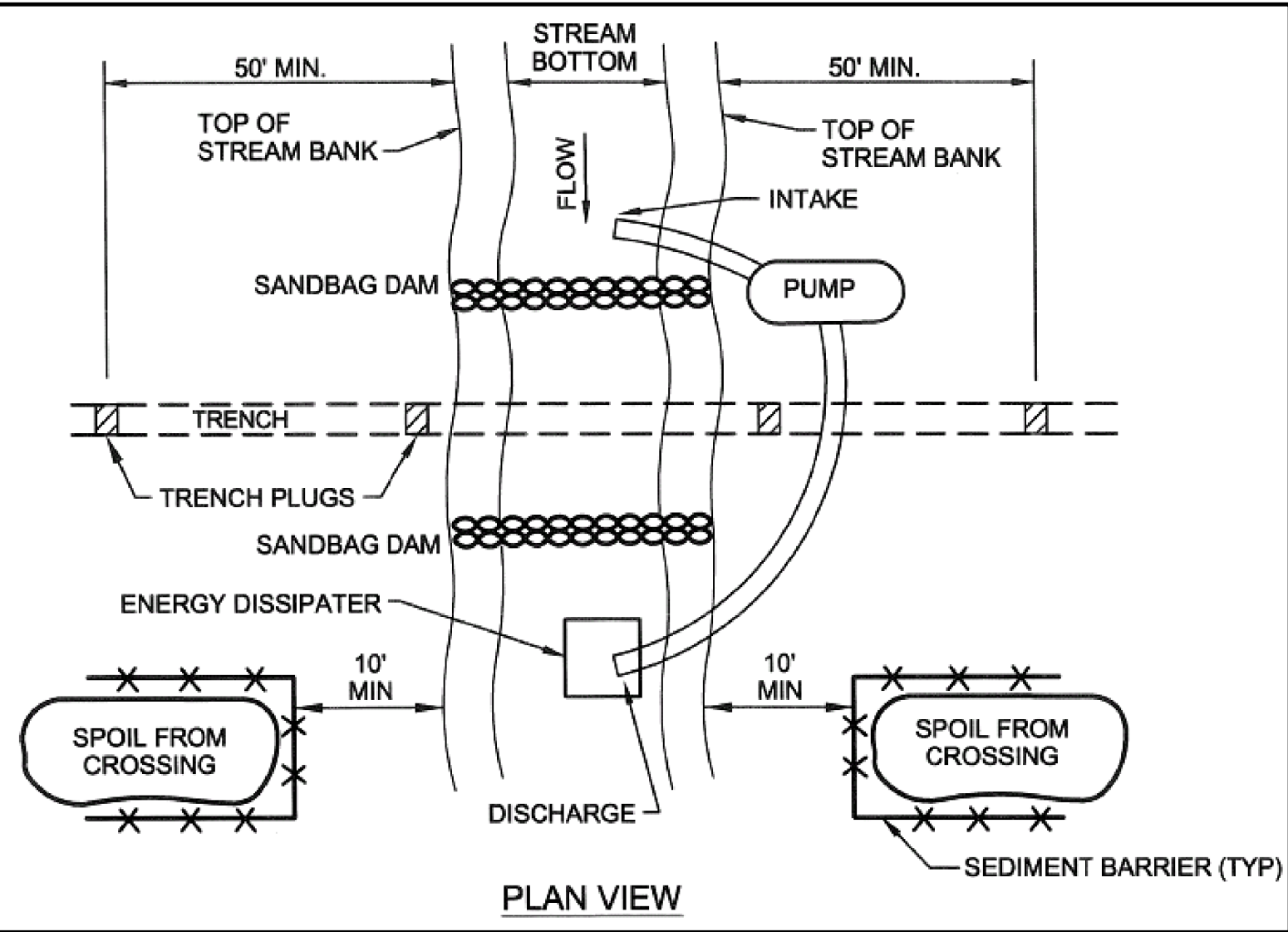
Traffic shall not be permitted to cross filter socks.

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.



#13-2 TYPICAL UTILITY LINE STREAM CROSSING WITH PUMP BYPASS
N.T.S.

Grubbing shall not take place within 50 feet of top-of-bank until all materials required to complete crossing are on site and pipe is ready for installation.

Bypass pump intake shall be maintained a sufficient distance from the bottom to prevent pumping of channel bottom materials.

Trench plugs shall be installed within the trench on both sides of the stream channel.

Water accumulating within the work area shall be pumped to a pumped water filter bag or sediment trap prior to discharging into any receiving surface water.

Hazardous or pollutant material storage areas shall be located at least 100 feet back from the top of streambank.

All excess excavated material shall be immediately removed from the stream crossing area.

All disturbed areas within 50 feet of top-of-bank shall be blanketed or matted within 24 hours of initial disturbance for minor streams or 48 hours of initial disturbance for major streams unless otherwise authorized.

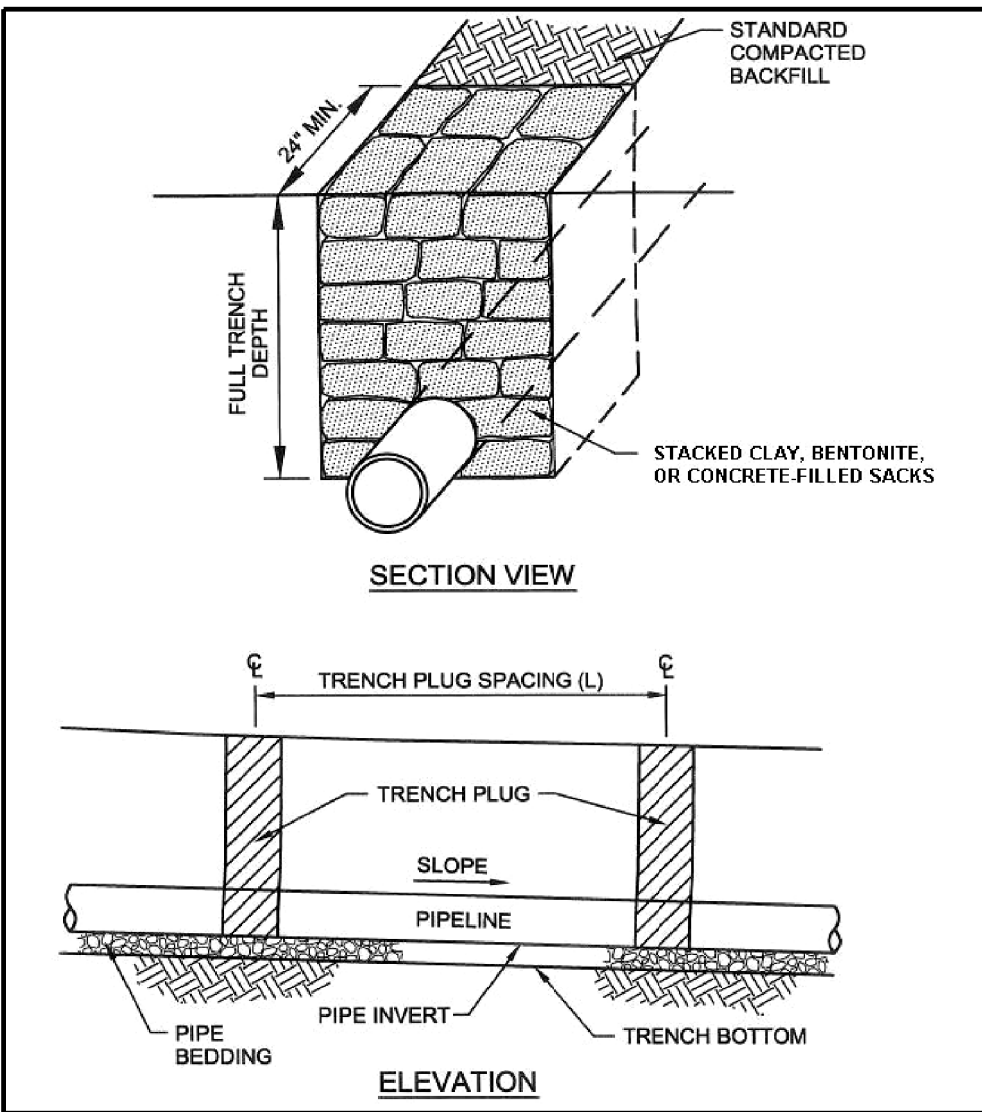
Appropriate streambank protection shall be provided within the channel.

TABLE 4.1 Compost Sock Fabric Minimum Specifications					
Material Type	3 mil HDPE	5 mil HDPE	5 mil HDPE	Multi-Filament Polypropylene (MFPF)	Heavy Duty Multi-Filament Polypropylene (HDMFPF)
Material Characteristics	Photo-degradable	Photo-degradable	Bio-degradable	Photo-degradable	Photo-degradable
Sock Diameters	12" 18"	12" 18"	12" 18"	12" 18"	12" 18"
Mesh Opening	3/8"	3/8"	3/8"	3/8"	1/8"
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.
Minimum Functional Longevity	6 months	9 months	6 months	1 year	2 years
Two-ply systems					
Inner Containment Netting	HDPE biaxial net				
	Continuously wound				
	Fusion-welded junctures				
	3/4" X 3/4" Max. aperture size				
Outer Filtration Mesh	Composite Polypropylene Fabric (Woven layer and non-woven fleece mechanically fused via needle punch)				
	3/16" Max. aperture size				
Sock fabrics composed of burlap may be used on projects lasting 6 months or less.					
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 3/8" sieve
Soluble Salt Concentration	5.5 dS/m (mmhos/cm) Maximum

NOTE: (SOURCE)

NUMBERED DETAILS FROM:
EROSION AND SEDIMENTATION POLLUTION CONTROL MANUAL 2012
(REFERRED TO AS E&SPCP MANUAL 2012) OF THE PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION.

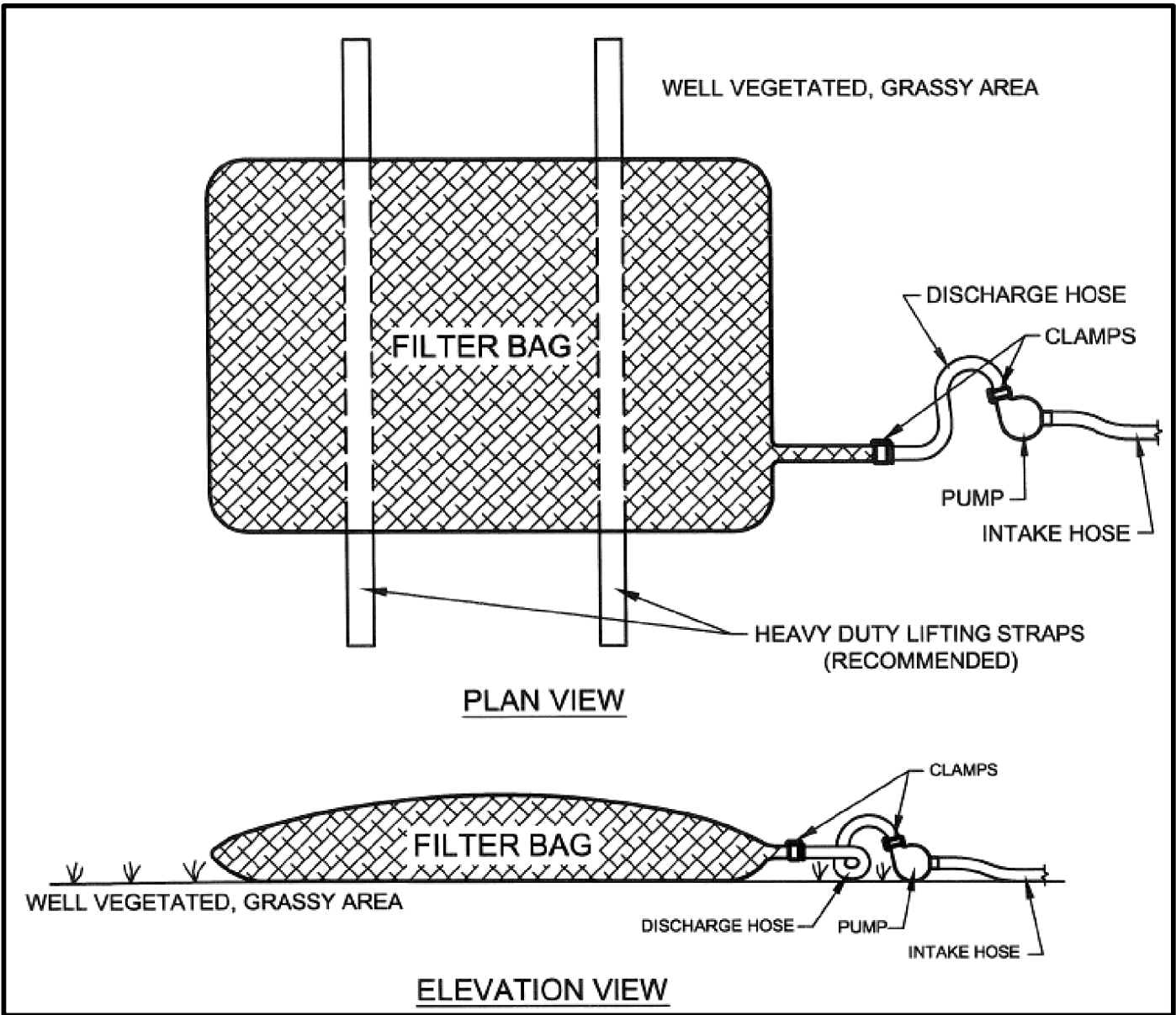
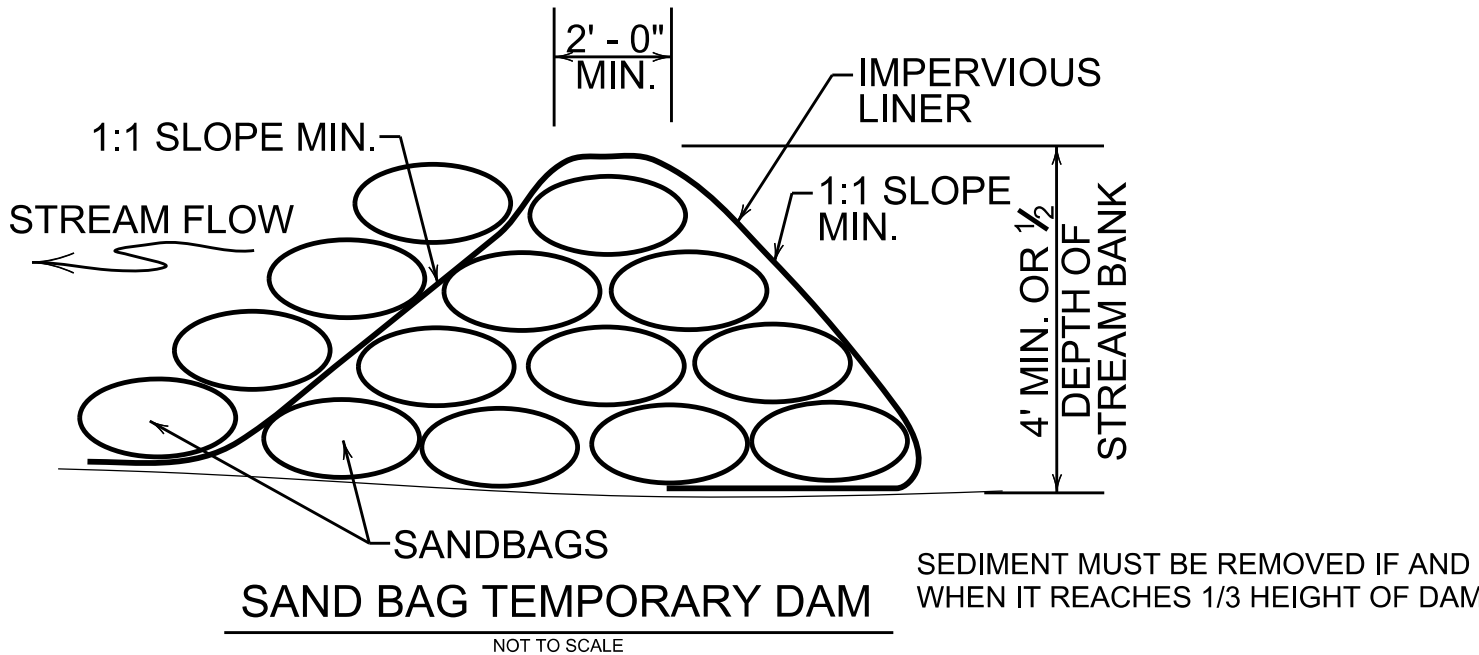


#13-4 TYPICAL TRENCH PLUG INSTALLATION

MAXIMUM SPACING AND MATERIALS FOR TRENCH PLUGS		
TRENCH SLOPE	SPACING (LF)	PLUG MATERIAL
<5	1000	CLAY, BENTONITE, OR CONCRETE FILLED SACKS
5 - 15	500	CLAY, BENTONITE, OR CONCRETE FILLED SACKS
15 - 25	300	CLAY, BENTONITE, OR CONCRETE FILLED SACKS
25 - 35	200	CLAY, BENTONITE, OR CONCRETE FILLED SACKS
35 - 100	100	CLAY, BENTONITE, OR CONCRETE FILLED SACKS
>100	50	CEMENT FILLED BAGS (WETTED) OR MORTARED STONE

TOPSOIL MAY NOT BE USED TO FILL SACKS.

IMPERVIOUS TRENCH PLUGS ARE REQUIRED FOR ALL STREAM, RIVER, WETLAND, OR OTHER WATER BODY CROSSINGS.



#3-16 PUMPED WATER FILTER BAG
NOT TO SCALE

Low volume filter bags shall be made from non-woven geotextile material sewn with high strength, 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	205 lb
Puncture	ASTM D-4833	110 lb
Mullen Burst	ASTM D-3786	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.

Pumped water filter bags are to be used where excess water collects in stream crossing work areas. These should be placed by the contractor in a suitable location within the general work area and bounded by a sediment barrier. Additional filter bags are shown on the plan drawings in multiple locations which may be moved if necessary to filter excess water accumulating in the trench.