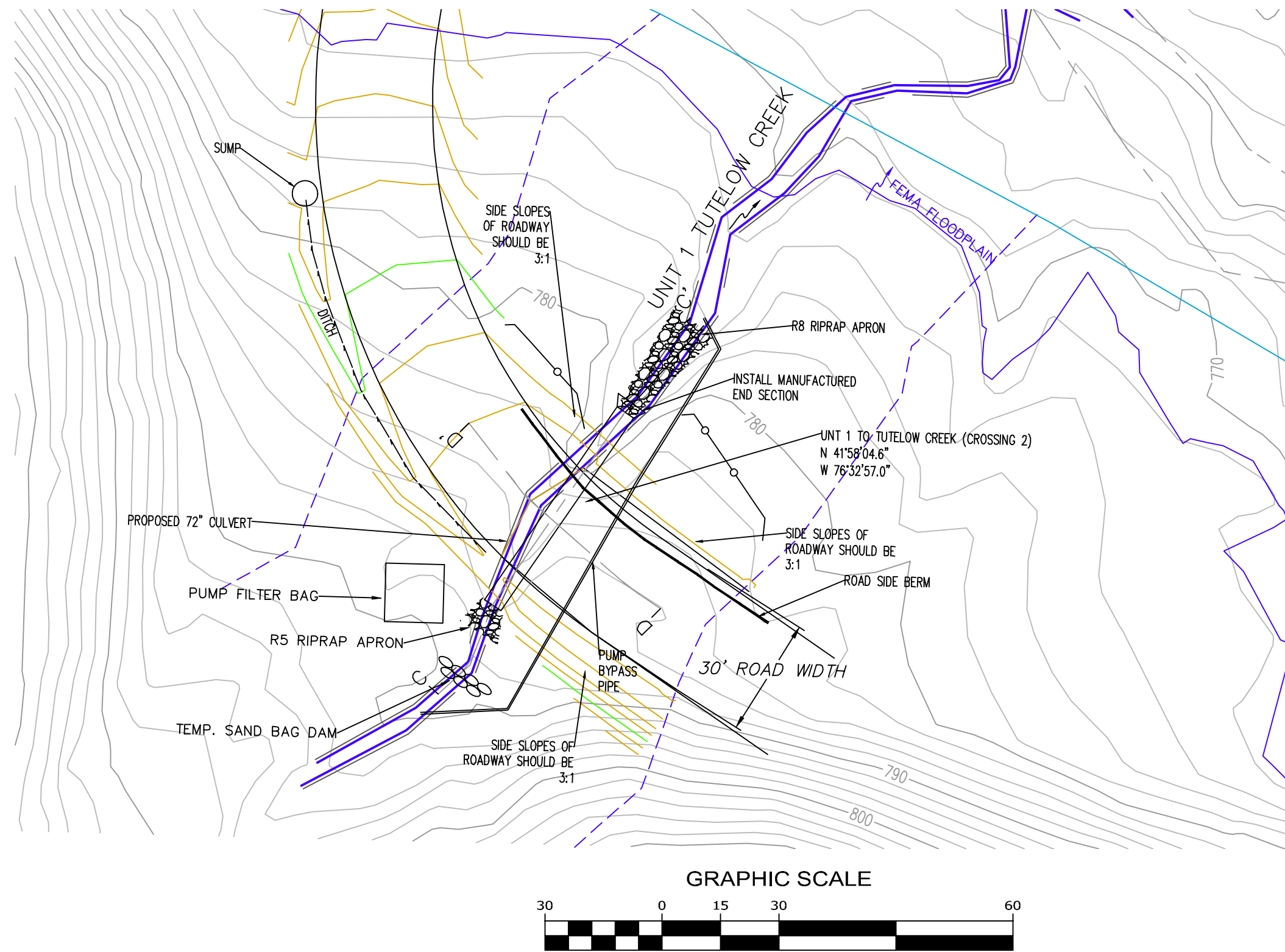
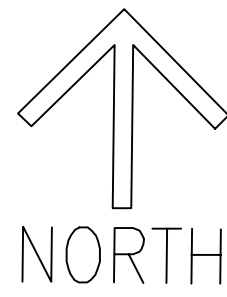




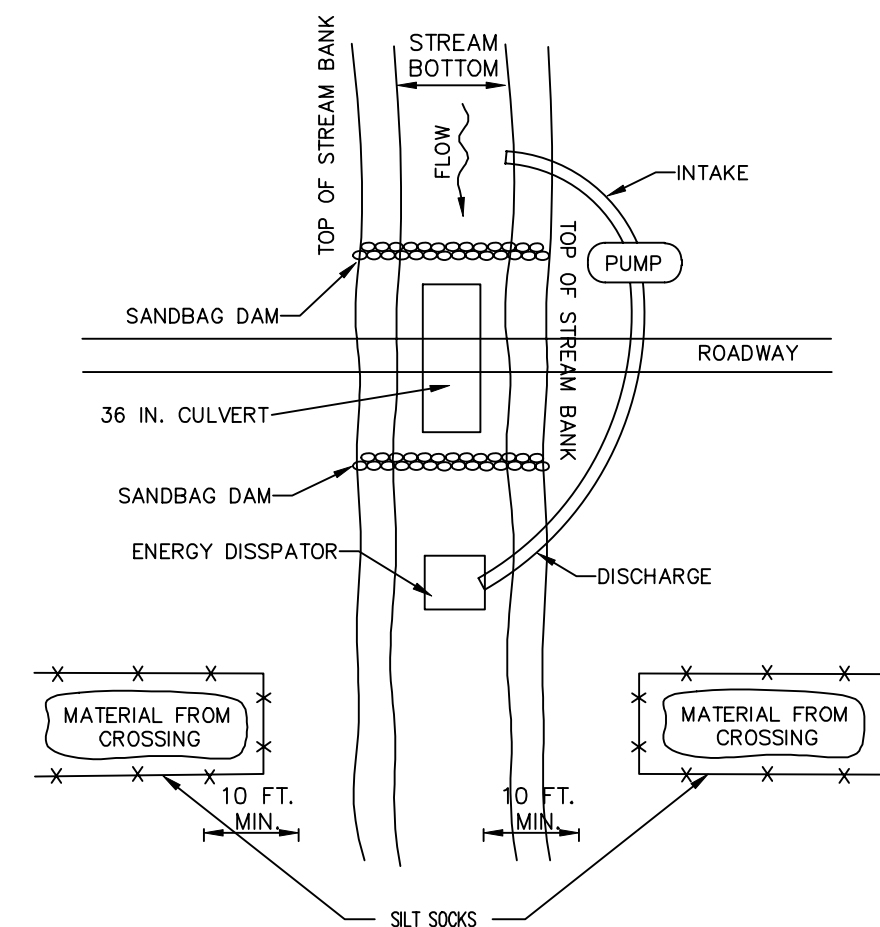
CONSTRUCTION SEQUENCE

No earth moving activities will commence until all materials have been assembled at the site.

1. Lay out limits of the site and establish benchmarks and reference points.
2. Any brush (if any) will be felled into the construction work area to prevent off-construction work area damage to trees. Brush will be stockpiled to the edge of the construction work area, but not within 50 feet of streams, floodplains, or wetlands.
3. Install silt sock in locations shown on site plan. Silt sock should be installed parallel to contours as shown on detail.
4. Construct a temporary dike at the upstream end of the stream crossing area using sandbags and plastic or other appropriate barrier materials to be utilized by the pump around bypass system that will be installed concurrently.
5. Install culvert pipe, inlet protection, and outlet protection as shown on plans using upstream dike and pump around so work can be performed under dry non-flowing conditions.
6. Stabilize the adjacent roadway with clean stone.
7. Remove any stockpiled material not used for construction and haul it to an approved non-wetland, non-floodplain disposal area.
8. Turbid water generated within the construction work zone (if any) will be pumped into a filter bag placed in a well-vegetated area along the stream bank or on an adjacent floodplain terrace.
9. Grade stockpile areas to original elevation.
10. Remove construction equipment and materials from construction work area. All areas where the roadway was disturbed should be graveled to achieved stabilization.
11. Seeding should not be performed prior to heavy precipitation. Seed mixes, as specified in the E&S plan narrative, shall be broadcast on soil with hand-held seed spreaders. Disturbed upland areas will be mulched with clean straw (3 tons/acre) following seeding.
12. Silt socks shall be removed after a uniform 70% permanent, perennial vegetative cover has been achieved over the entire disturbed areas and roadways, roadway berms have clean subbase in place.

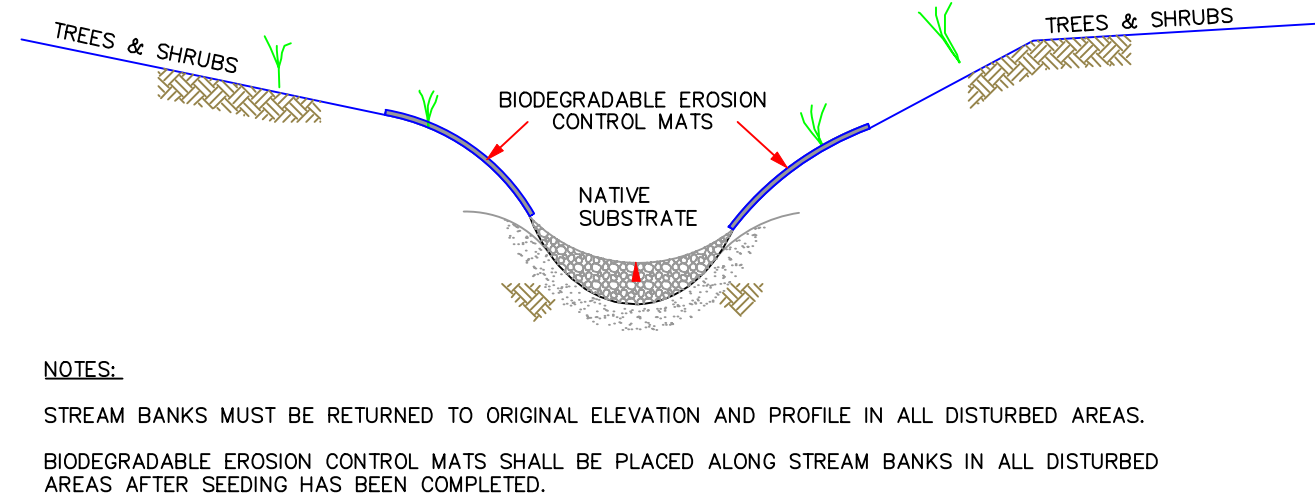
SITE RESTORATION

1. Crossing shall be removed post mining.
2. Restore the stream channel as per the detail below.
3. Riparian areas will be restored utilizing woody plants outlined in Module 23.4.



TYPICAL STREAM CROSSING WITH PUMP BYPASS

NOT TO SCALE



RESTORED CHANNEL CROSS-SECTION

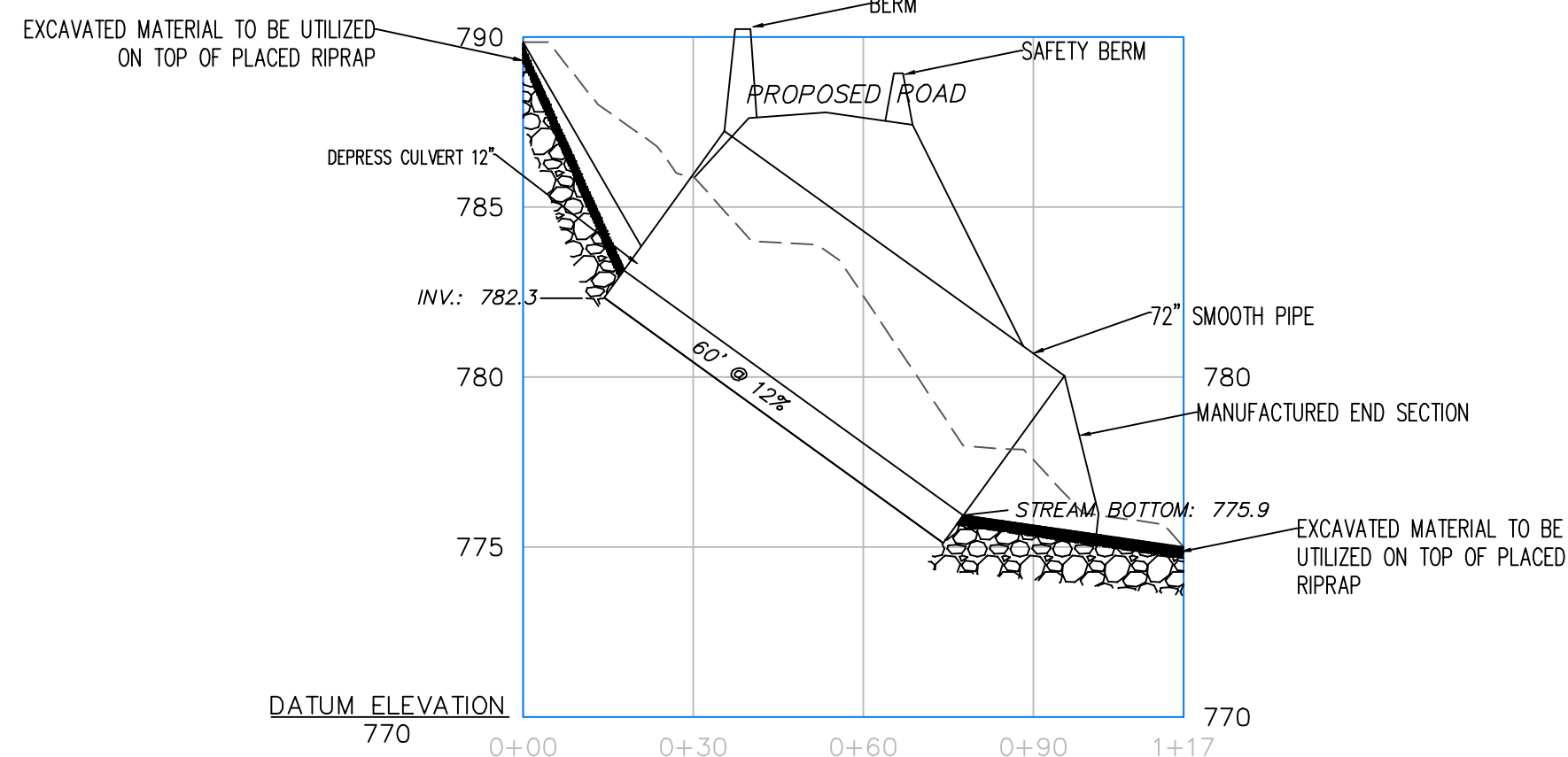
NTS

NOTES:

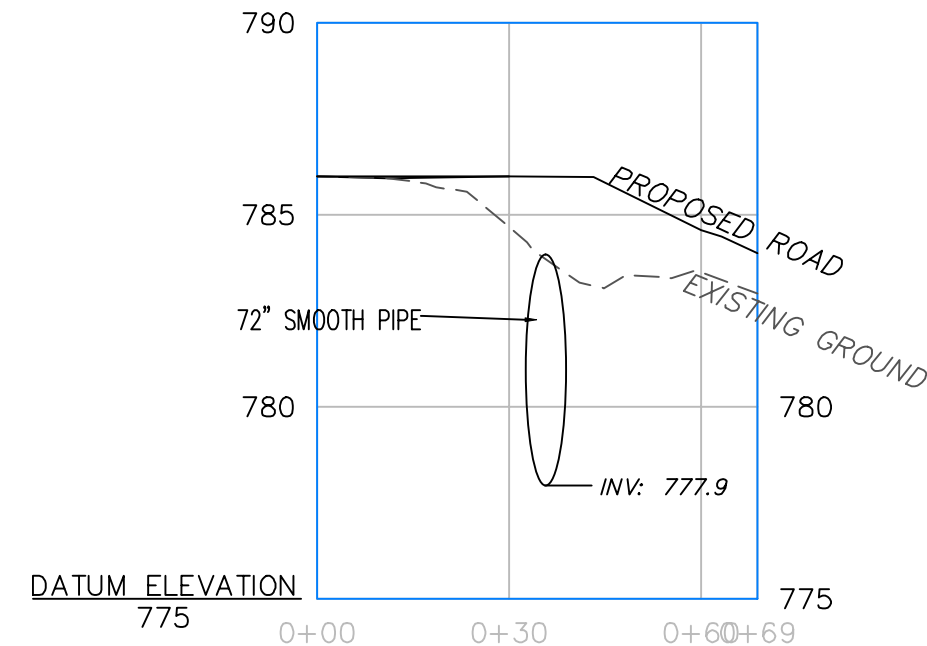
STREAM BANKS MUST BE RETURNED TO ORIGINAL ELEVATION AND PROFILE IN ALL DISTURBED AREAS. BIODEGRADABLE EROSION CONTROL MATS SHALL BE PLACED ALONG STREAM BANKS IN ALL DISTURBED AREAS AFTER SEEDING HAS BEEN COMPLETED.

LEGEND

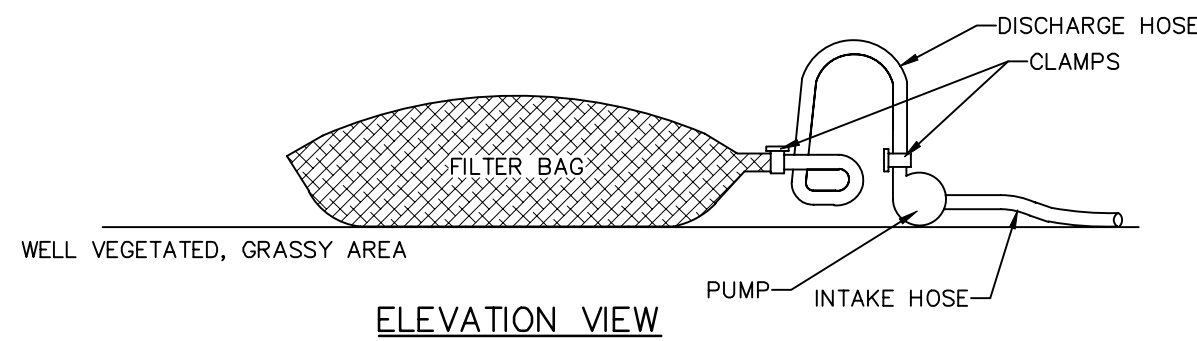
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- DELINEATED WETLAND
- PERENNIAL STREAM
- 12" COMPOST FILTER SOCK
- ROADWAY
- FEMA FLOODPLAIN
- FEMA FLOODWAY
- 50' TOP OF BANK FLOODWAY
- TOP OF BANK



C-C' STA. 0+00 TO STA. 1+17 PROFILE
HORIZ SCALE: 1"=30' VERT SCALE: 1"=5'

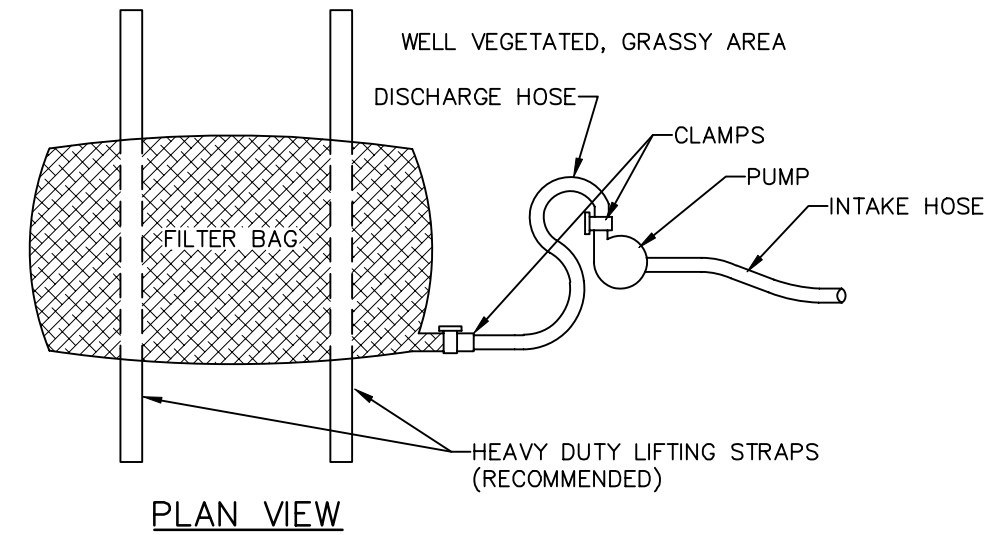


D-D' STA. 0+00 TO STA. 0+69 PROFILE
HORIZ SCALE: 1"=30' VERT SCALE: 1"=5'

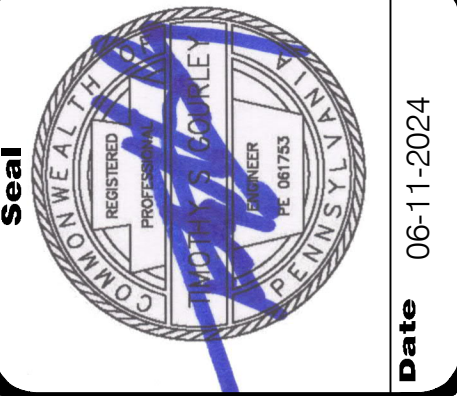


STANDARD CONSTRUCTION DETAIL
PUMPED WATER FILTER BAG

NOT TO SCALE



PLAN VIEW



No.	Sheet Revisions	Date
1	PRE-APPLICATION RESPONSE	05-01-2023
2	REVIEW RESPONSE	02-26-2024
3	REVIEW RESPONSE	06-11-2024

Scale	1" = 30'
Date	12-6-2021
Drawn By	MVF
Checked By	IPS
Project No.	0250-20-292
File No.	MINARD-MODULE 14_RECOVER

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MINARD MINE
EXHIBIT 14
PLANS & DETAILS