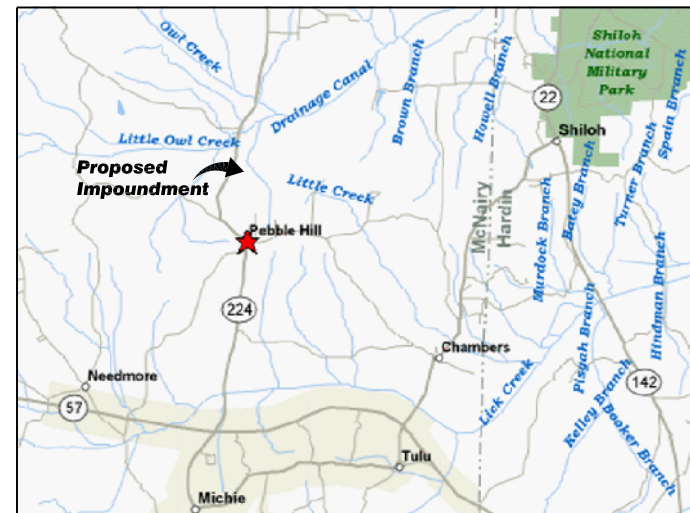


HAWKINS' DAM - McNAIRY COUNTY, TN PROPOSED 47-ACRE IMPOUNDMENT

"CONSTRUCTION PLANS"



Vicinity Map

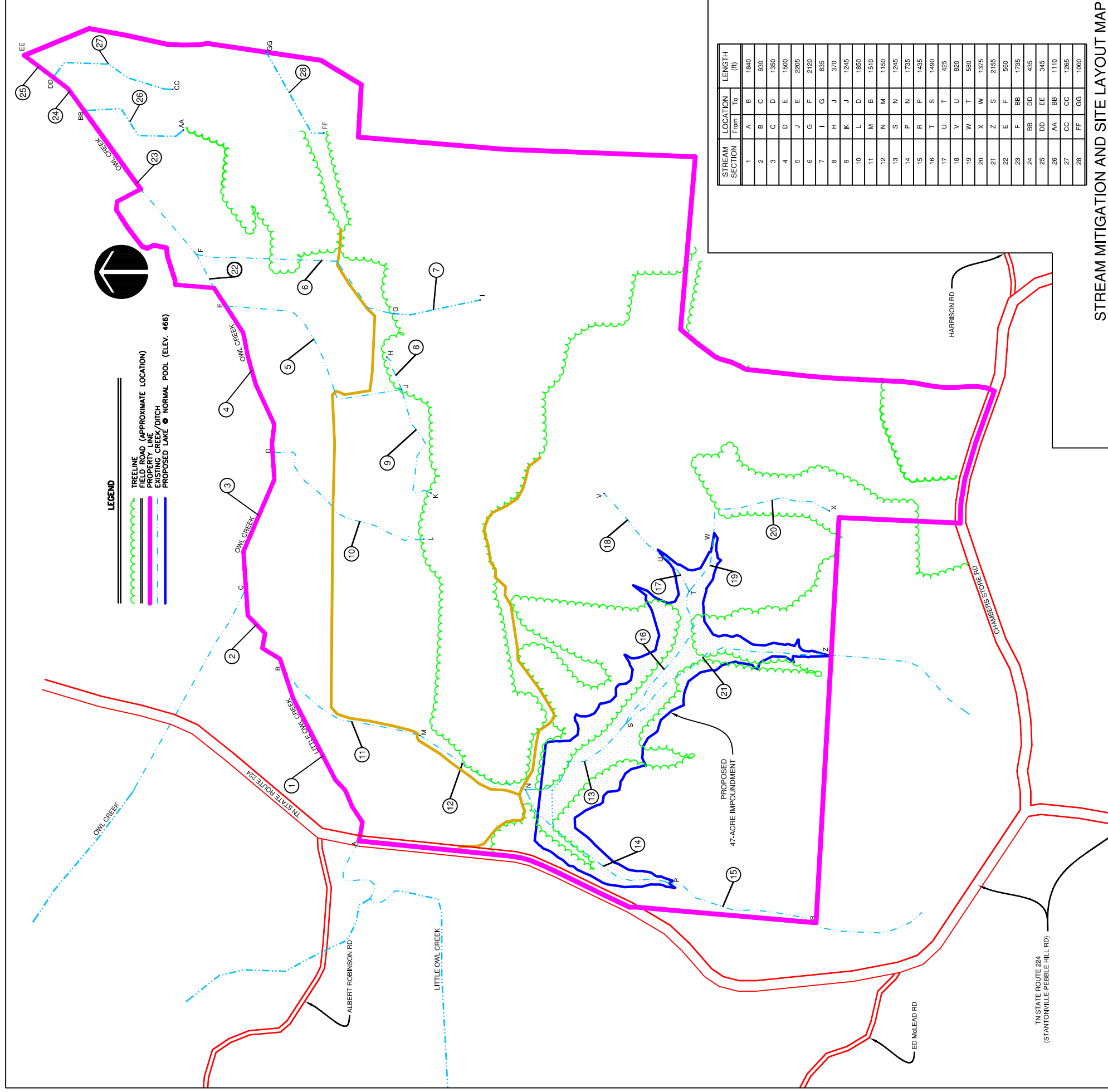
PLAN ASSEMBLY

TITLE	1
LOCATION MAP	2
PROPOSED LAYOUT PLAN	3
DETAILS	4
DETAILS	5

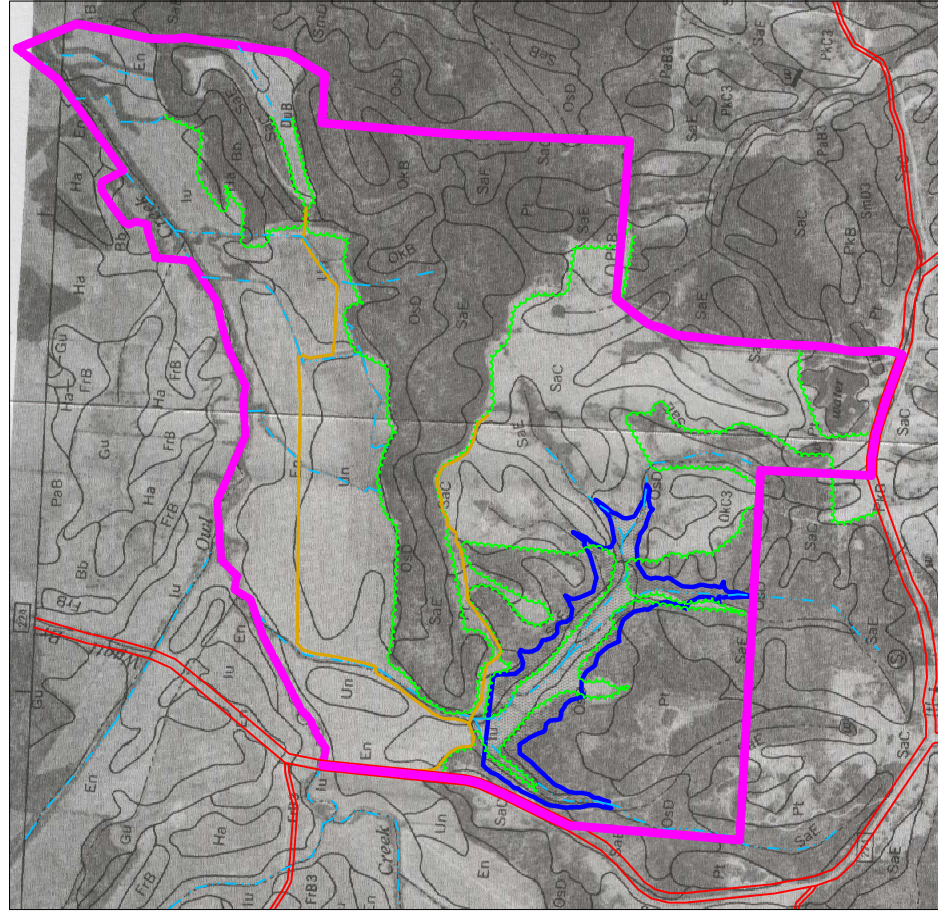
BILL HAWKINS
3405 PEARSON ROAD
MEMPHIS, TN 38118

PREPARED BY:
SCOTT ENGINEERING CO.
1530 POLK STREET
CORINTH, MISSISSIPPI 38834
(662) 287-2436

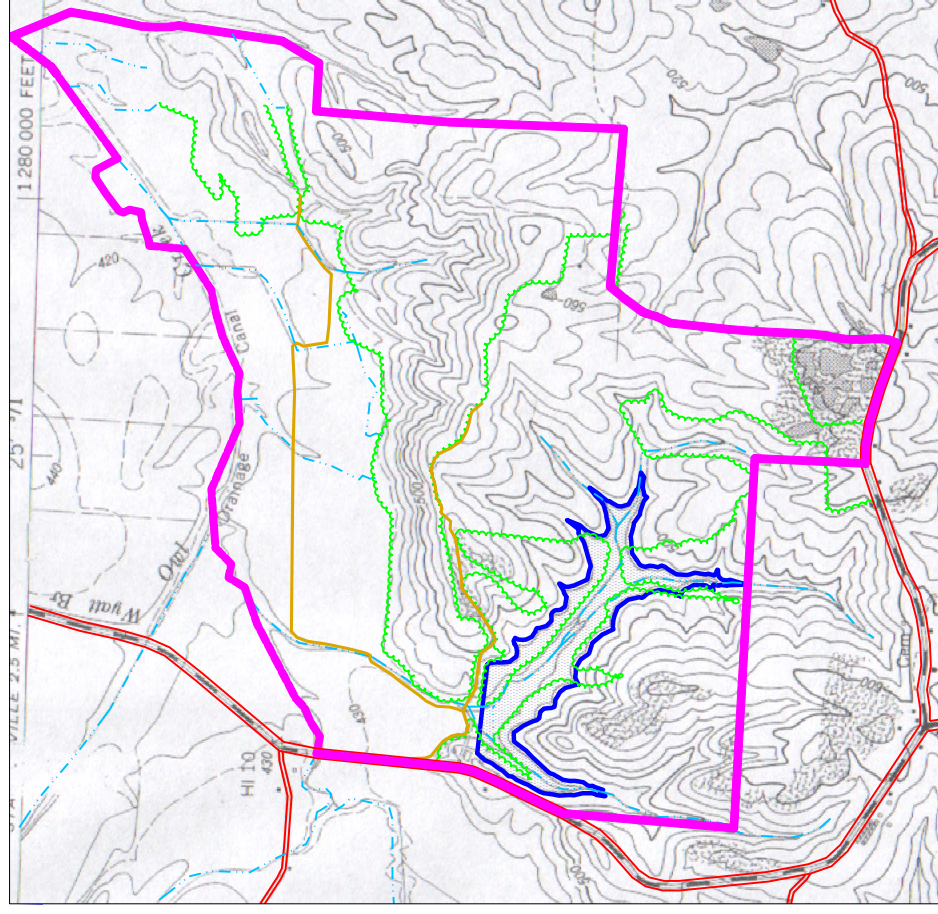
NOVEMBER 24, 2004



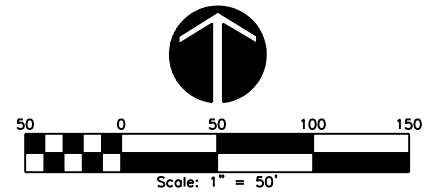
STREAM MITIGATION AND SITE LAYOUT MAP
SCALE: 1" = 500'



SOIL SURVEY MAP - McNAIRY CO, TN
SCALE: 1" = 1000'



USGS QUAD MAP - MICHIE, TN
SCALE: 1" = 1000'



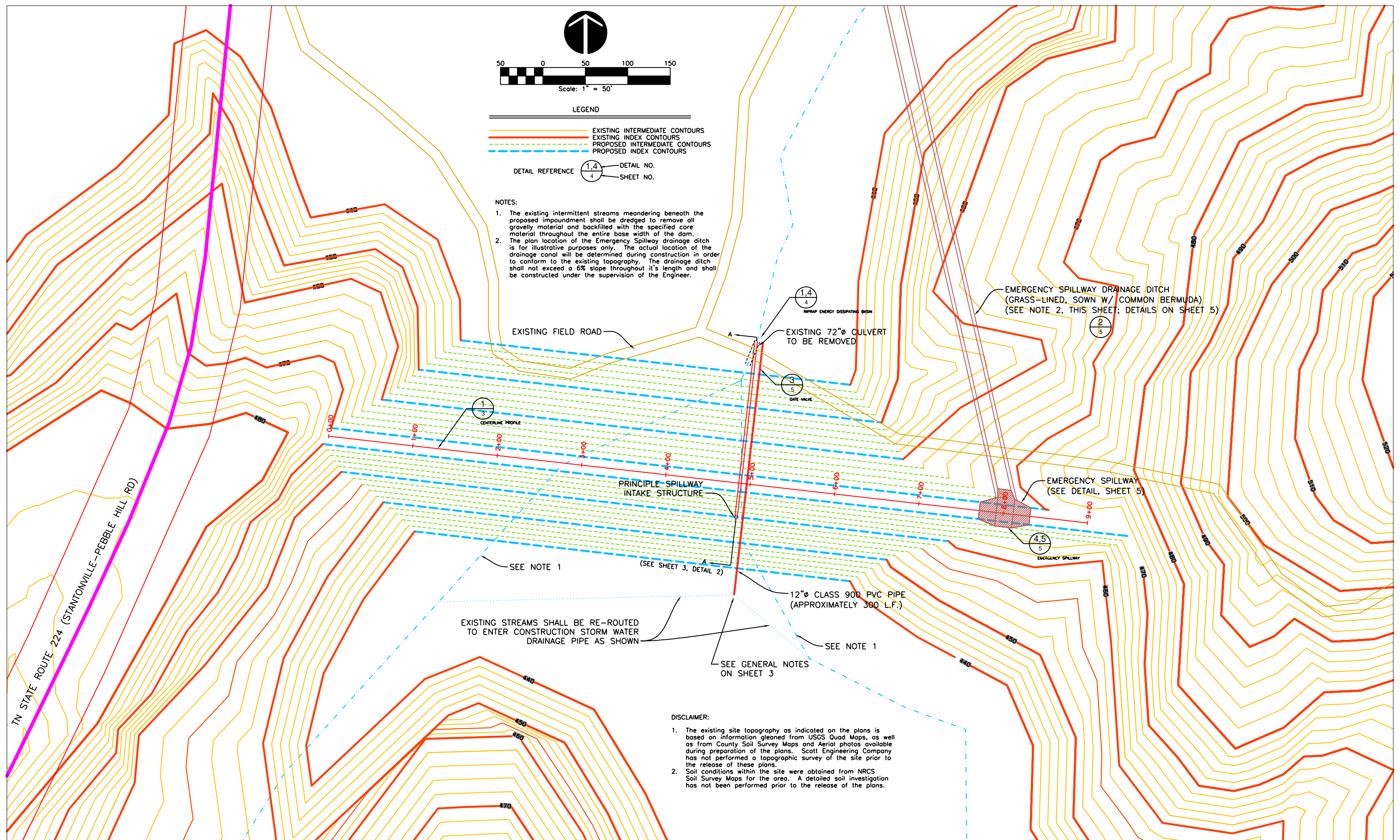
LEGEND

- EXISTING INTERMEDIATE CONTOURS
- EXISTING INDEX CONTOURS
- - - PROPOSED INTERMEDIATE CONTOURS
- - - PROPOSED INDEX CONTOURS

DETAIL REFERENCE 1,4
4 DETAIL NO.
SHEET NO.

NOTES:

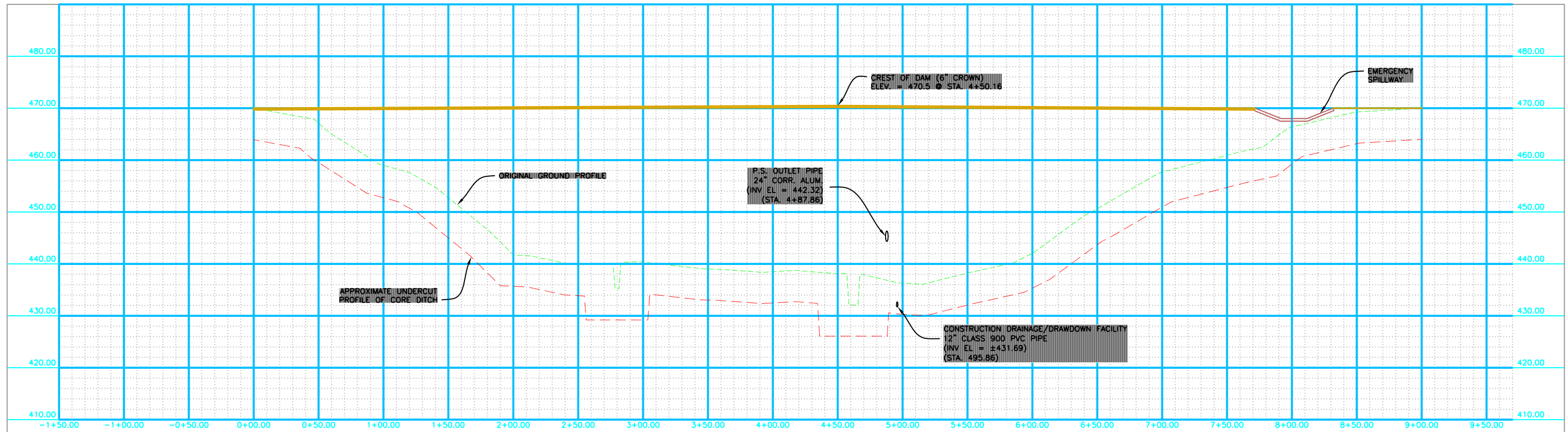
- The existing intermittent streams meandering beneath the proposed impoundment shall be dredged to remove all gravelly material and backfilled with the specified core material throughout the entire base width of the dam.
- The plan location of the Emergency Spillway drainage ditch is for illustrative purposes only. The actual location of the drainage canal will be determined during construction in order to conform to the existing topography. The drainage ditch shall not exceed a 6% slope throughout its length and shall be constructed under the supervision of the Engineer.



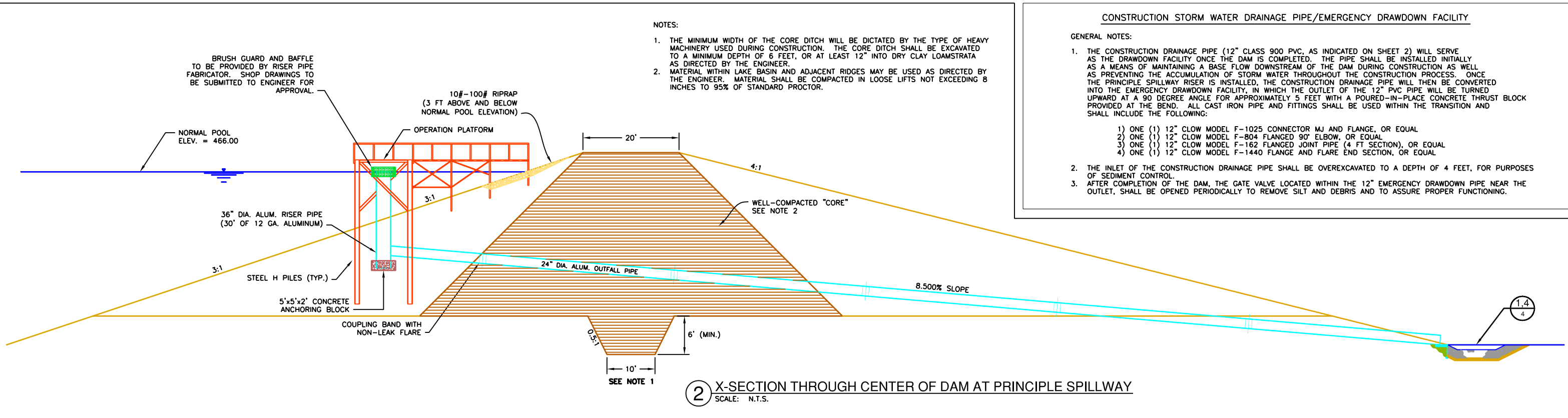
DISCLAIMER:

- The existing site topography as indicated on the plans is based on information gleaned from USGS Quad Maps, as well as from County Soil Survey Maps and Aerial photos available during preparation of the plans. Scott Engineering Company has not performed a topographic survey of the site prior to the release of these plans.
- Soil conditions within the site were obtained from NRCS Soil Survey Maps for the area. A detailed soil investigation has not been performed prior to the release of the plans.

File Path: SERVER (C):\Scott Engineering\Design Projects\Hawkins DAM McNairy Co\EAGLE\HawkinsDAM.DWG (LAYOUT: "SHEET 2")



1 CENTERLINE PROFILE OF DAM
 SCALE: 1" = 40' (HORIZONTAL)
 1" = 10' (VERTICAL)



2 X-SECTION THROUGH CENTER OF DAM AT PRINCIPLE SPILLWAY
 SCALE: N.T.S.

NOTES:

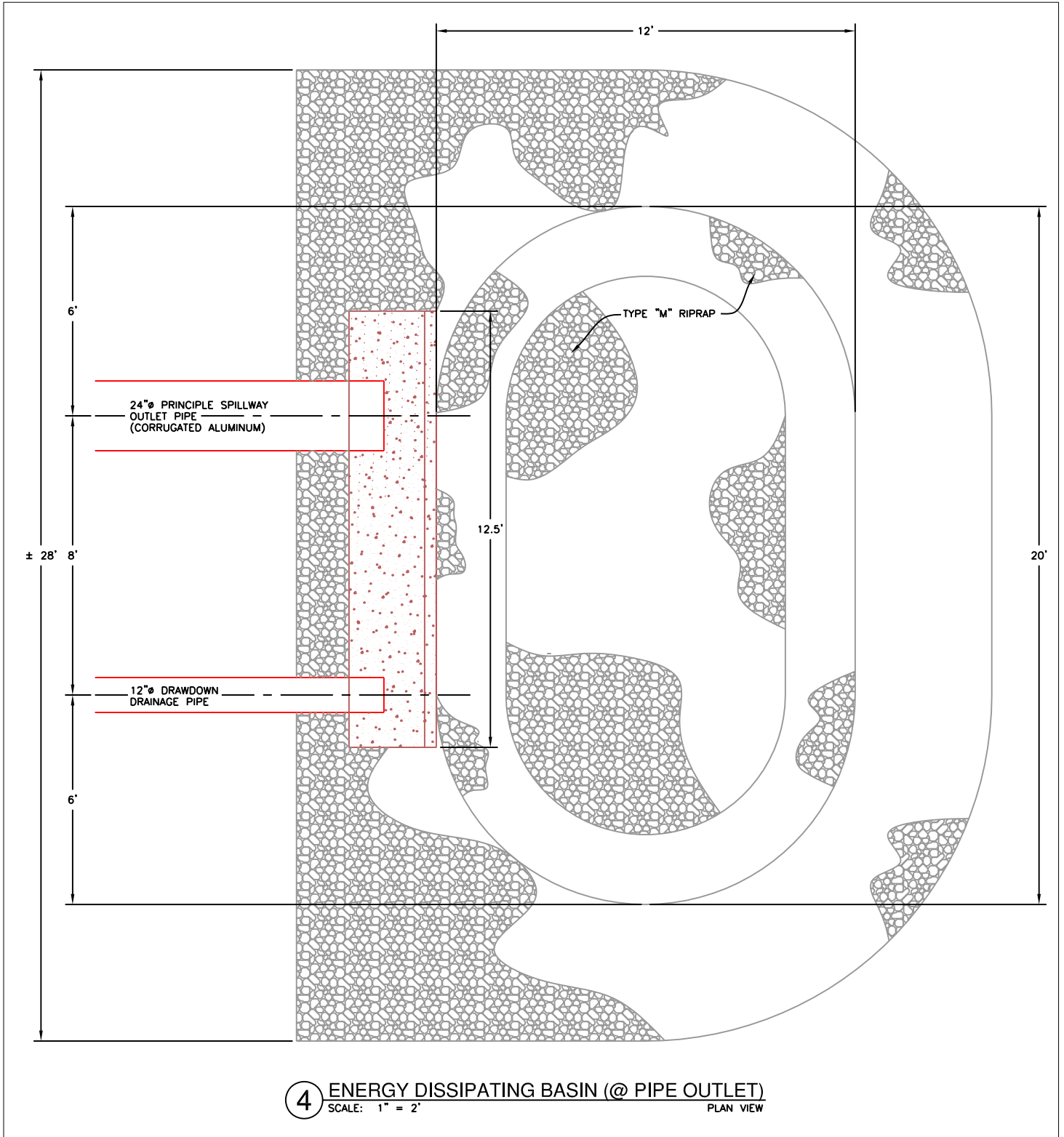
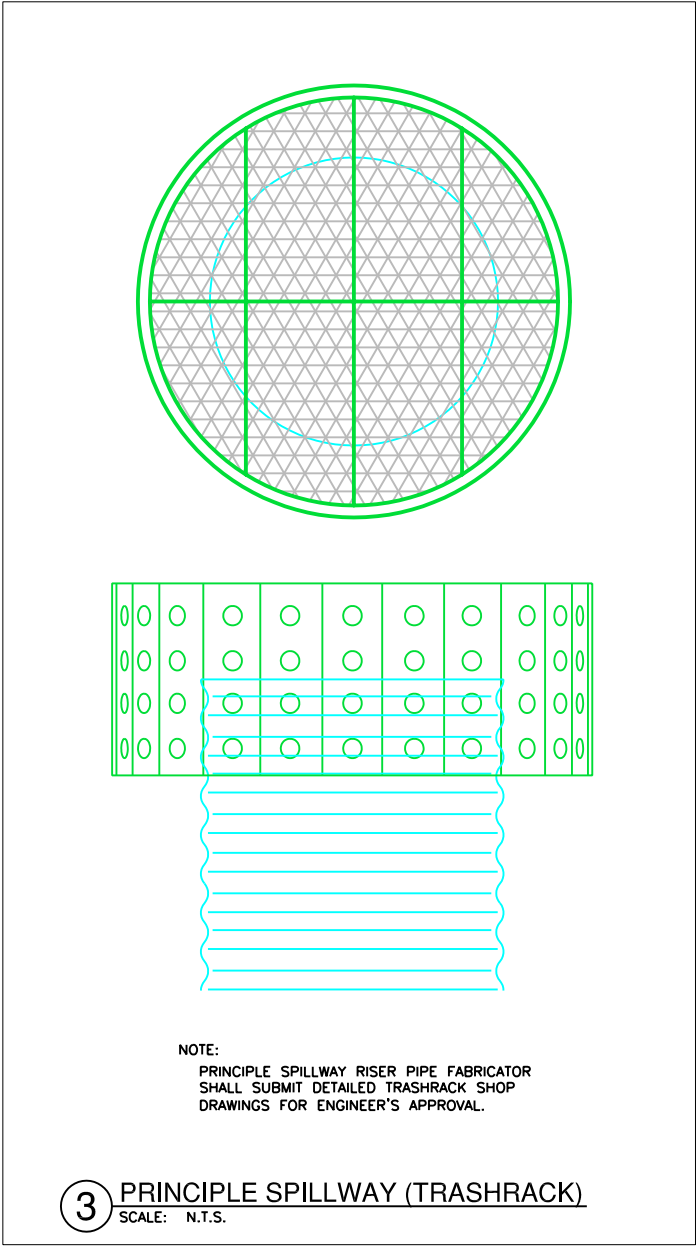
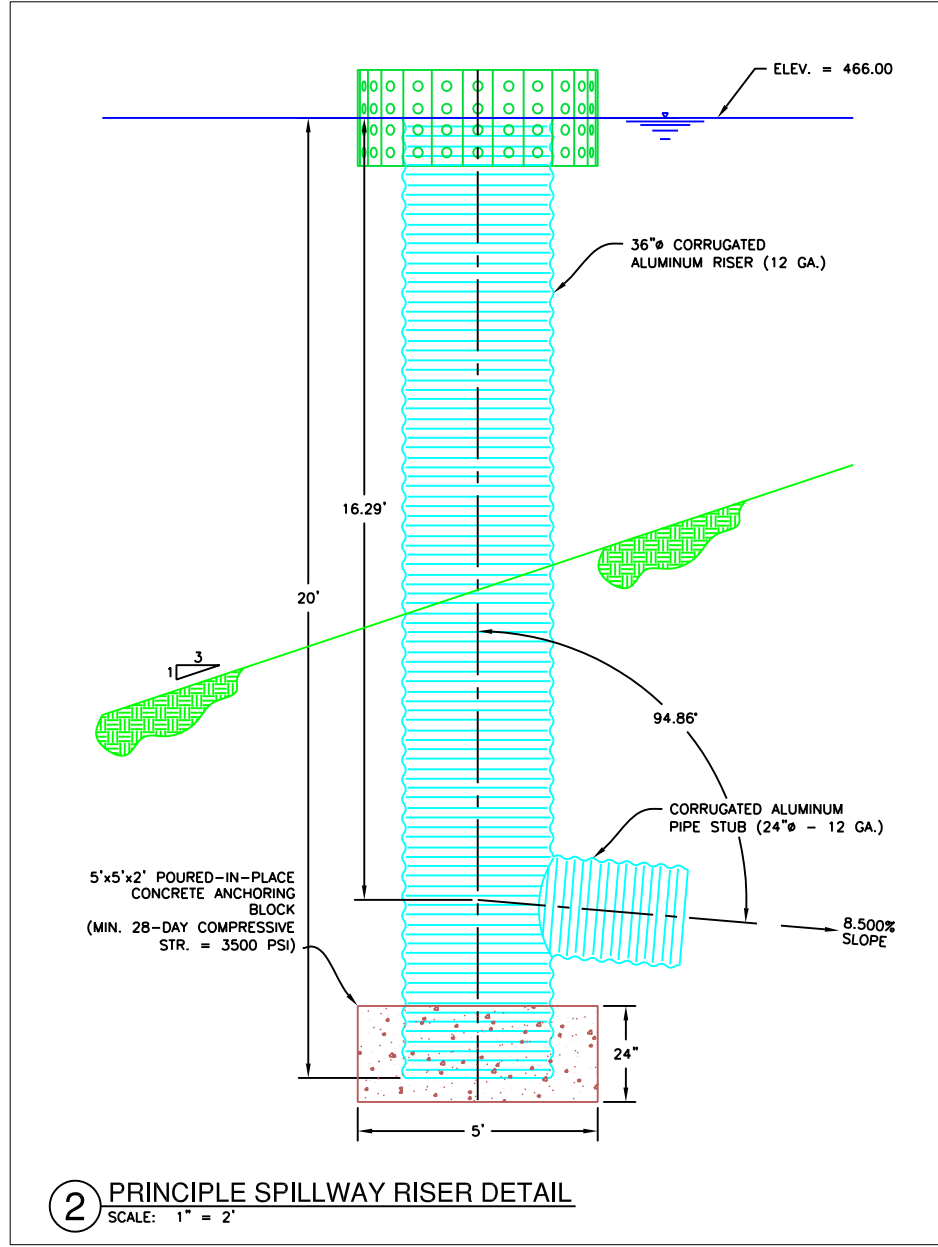
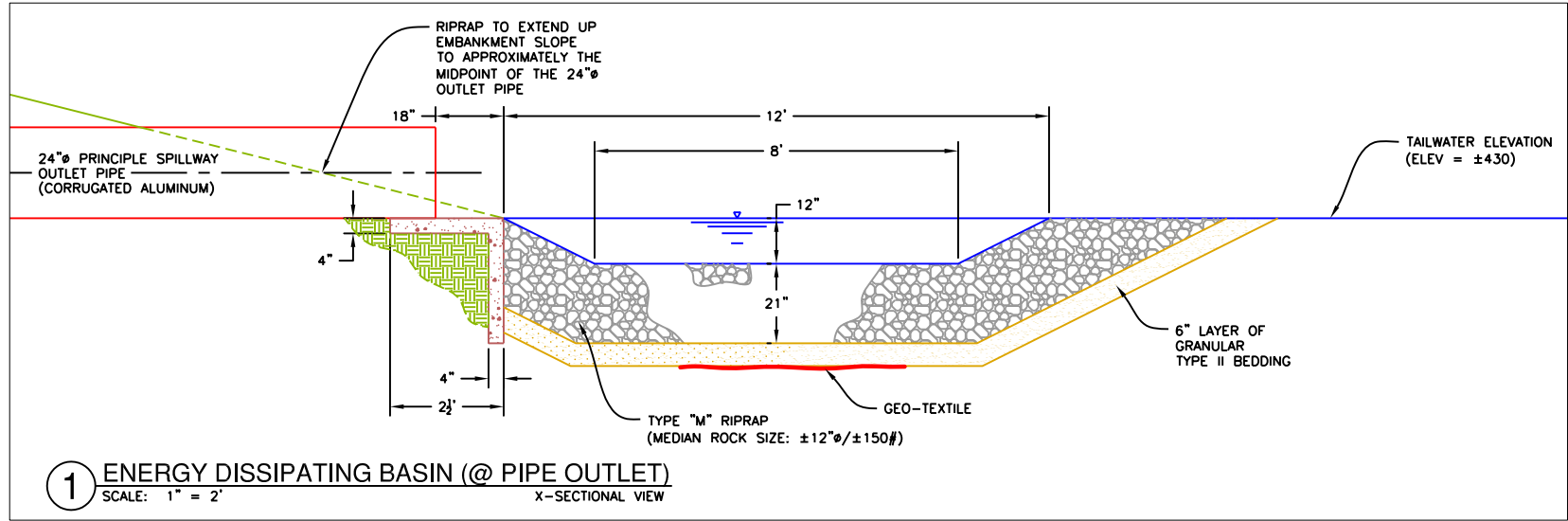
1. THE MINIMUM WIDTH OF THE CORE DITCH WILL BE DICTATED BY THE TYPE OF HEAVY MACHINERY USED DURING CONSTRUCTION. THE CORE DITCH SHALL BE EXCAVATED TO A MINIMUM DEPTH OF 6 FEET, OR AT LEAST 12" INTO DRY CLAY LOAMSTRATA AS DIRECTED BY THE ENGINEER.
2. MATERIAL WITHIN LAKE BASIN AND ADJACENT RIDGES MAY BE USED AS DIRECTED BY THE ENGINEER. MATERIAL SHALL BE COMPACTED IN LOOSE LIFTS NOT EXCEEDING 8 INCHES TO 95% OF STANDARD PROCTOR.

CONSTRUCTION STORM WATER DRAINAGE PIPE/EMERGENCY DRAWDOWN FACILITY

GENERAL NOTES:

1. THE CONSTRUCTION DRAINAGE PIPE (12" CLASS 900 PVC, AS INDICATED ON SHEET 2) WILL SERVE AS THE DRAWDOWN FACILITY ONCE THE DAM IS COMPLETED. THE PIPE SHALL BE INSTALLED INITIALLY AS A MEANS OF MAINTAINING A BASE FLOW DOWNSTREAM OF THE DAM DURING CONSTRUCTION AS WELL AS PREVENTING THE ACCUMULATION OF STORM WATER THROUGHOUT THE CONSTRUCTION PROCESS. ONCE THE PRINCIPLE SPILLWAY RISER IS INSTALLED, THE CONSTRUCTION DRAINAGE PIPE WILL THEN BE CONVERTED INTO THE EMERGENCY DRAWDOWN FACILITY, IN WHICH THE OUTLET OF THE 12" PVC PIPE WILL BE TURNED UPWARD AT A 90 DEGREE ANGLE FOR APPROXIMATELY 5 FEET WITH A POURED-IN-PLACE CONCRETE THRUST BLOCK PROVIDED AT THE BEND. ALL CAST IRON PIPE AND FITTINGS SHALL BE USED WITHIN THE TRANSITION AND SHALL INCLUDE THE FOLLOWING:
 - 1) ONE (1) 12" CLOW MODEL F-1025 CONNECTOR MJ AND FLANGE, OR EQUAL
 - 2) ONE (1) 12" CLOW MODEL F-804 FLANGED 90° ELBOW, OR EQUAL
 - 3) ONE (1) 12" CLOW MODEL F-162 FLANGED JOINT PIPE (4 FT SECTION), OR EQUAL
 - 4) ONE (1) 12" CLOW MODEL F-1440 FLANGE AND FLARE END SECTION, OR EQUAL
2. THE INLET OF THE CONSTRUCTION DRAINAGE PIPE SHALL BE OVEREXCAVATED TO A DEPTH OF 4 FEET, FOR PURPOSES OF SEDIMENT CONTROL.
3. AFTER COMPLETION OF THE DAM, THE GATE VALVE LOCATED WITHIN THE 12" EMERGENCY DRAWDOWN PIPE NEAR THE OUTLET, SHALL BE OPENED PERIODICALLY TO REMOVE SILT AND DEBRIS AND TO ASSURE PROPER FUNCTIONING.

File Path: SERVER (C):\Scott Engineering\Design Projects\Hawkins DAM McNairy Co\PLANS\DamDetails.DWG (LAYOUT: 'SHEET 3')



File Path: SERVER (C):\Scott Engineering\Design Projects\Hawkins DAM McNairy Co\PLANS\DamDetails.DWG (LAYOUT: "SHEET 4")

	DRAWN BY: MSC DATE: 11/24/04 DWG. NO.: 04-94.4	APPROVED BY: RAS4 PROJ. NO. 1052 DWG.	REVISIONS

SCOTT ENGINEERING
1530 Polk St. Corinth MS 38834 (662) 287-2436

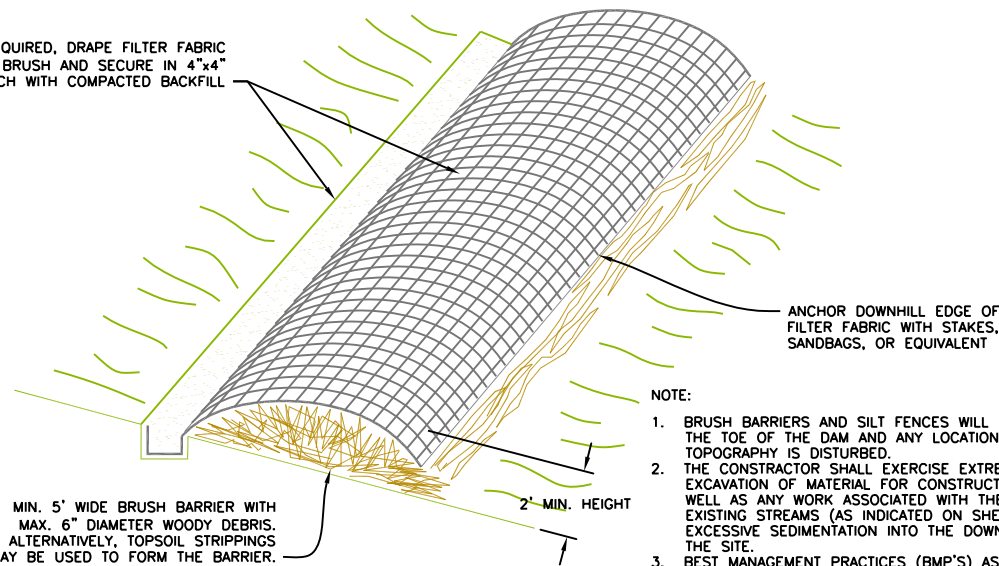
PROJECT: HAWKINS' DAM - McNAIRY CO., TN
PROPOSED 47-ACRE IMPOUNDMENT

SHT. NO. 4	
DETAILS	

1 BRUSH BARRIER DETAIL

SCALE: N.T.S.

IF REQUIRED, DRAPE FILTER FABRIC OVER BRUSH AND SECURE IN 4"x4" MIN. TRENCH WITH COMPACTED BACKFILL

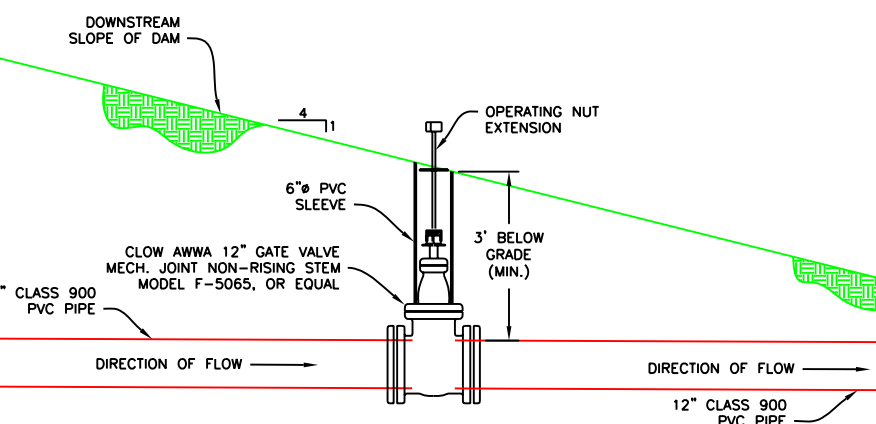
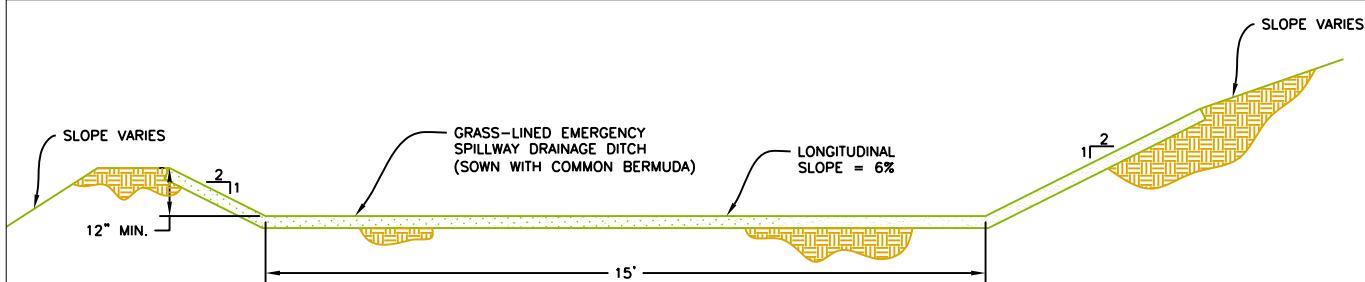


NOTE:

- BRUSH BARRIERS AND SILT FENCES WILL BE UTILIZED ALONG THE TOE OF THE DAM AND ANY LOCATIONS WHERE ORIGINAL TOPOGRAPHY IS DISTURBED.
- THE CONSTRUCTOR SHALL EXERCISE EXTREME CARE DURING THE EXCAVATION OF MATERIAL FOR CONSTRUCTION OF THE DAM, AS WELL AS ANY WORK ASSOCIATED WITH THE RELOCATION OF THE EXISTING STREAMS (AS INDICATED ON SHEET 2) SO AS TO ELIMINATE EXCESSIVE SEDIMENTATION INTO THE DOWNSTREAM REGIONS OF THE SITE.
- BEST MANAGEMENT PRACTICES (BMP'S) ASSOCIATED WITH THE CONSTRUCTION OF THE DAM WILL BE ADDRESSED IN THE CONSTRUCTION STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IN MORE DETAIL.

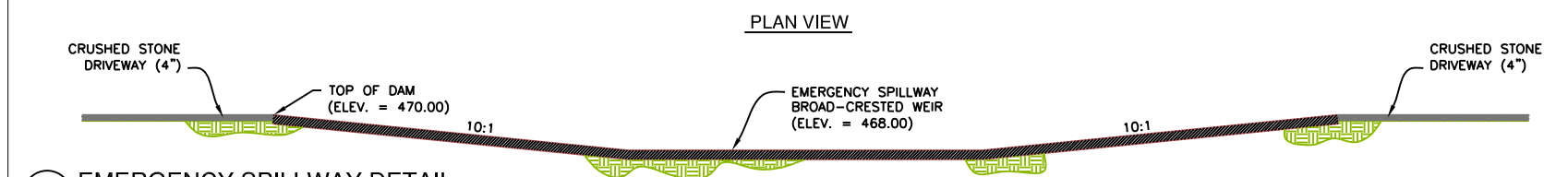
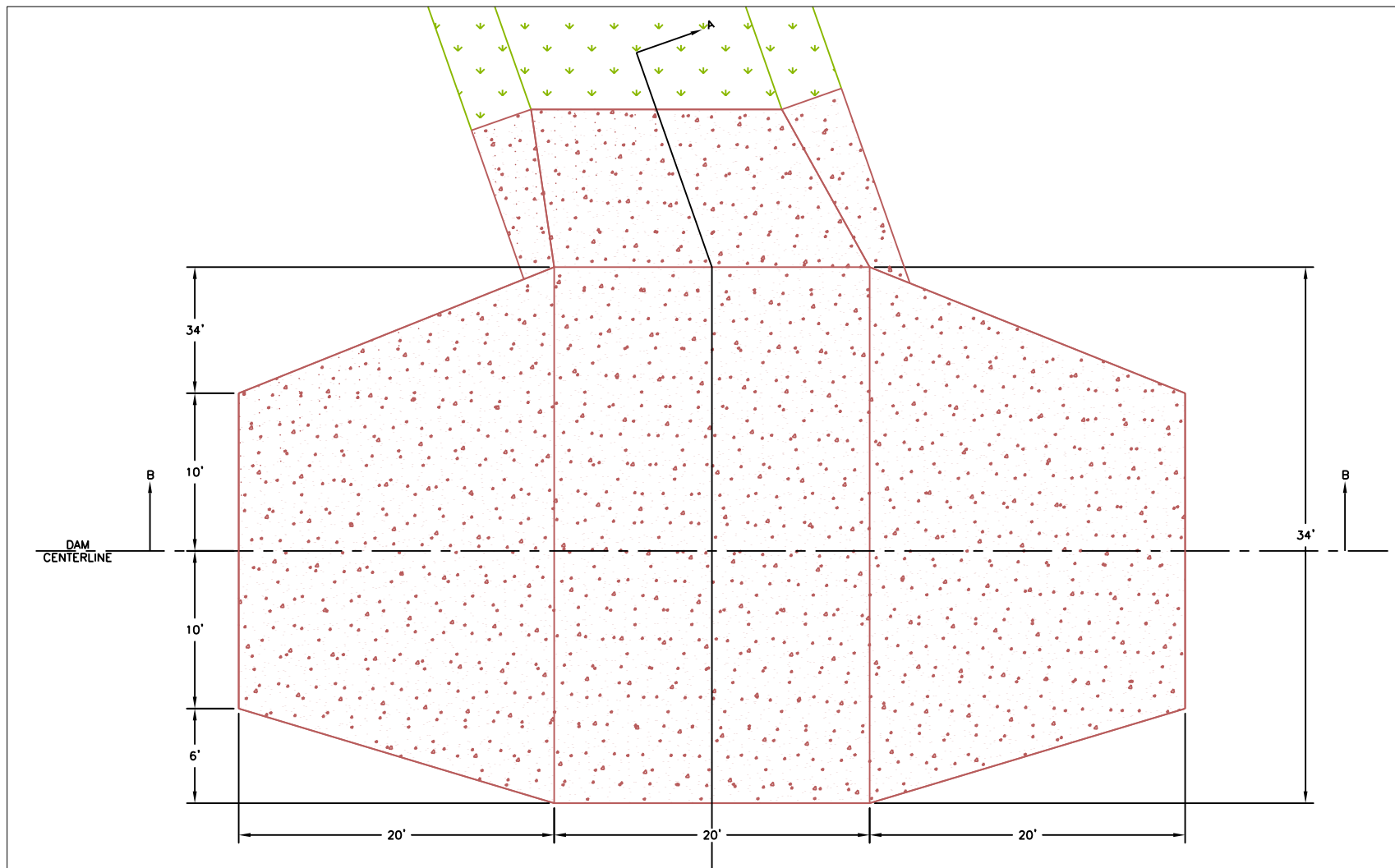
2 GRASS-LINED DRAINAGE DITCH

SCALE: N.T.S.



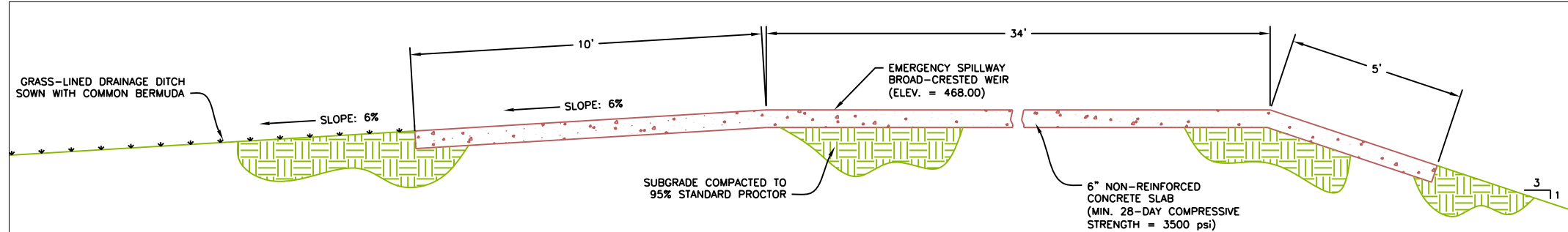
3 GATE VALVE (CONSTRUCTION STORMWATER DRAINAGE PIPE)

SCALE: N.T.S.



4 EMERGENCY SPILLWAY DETAIL

SCALE: 1" = 5'



5 EMERGENCY SPILLWAY DETAIL

SCALE: 1" = 2'