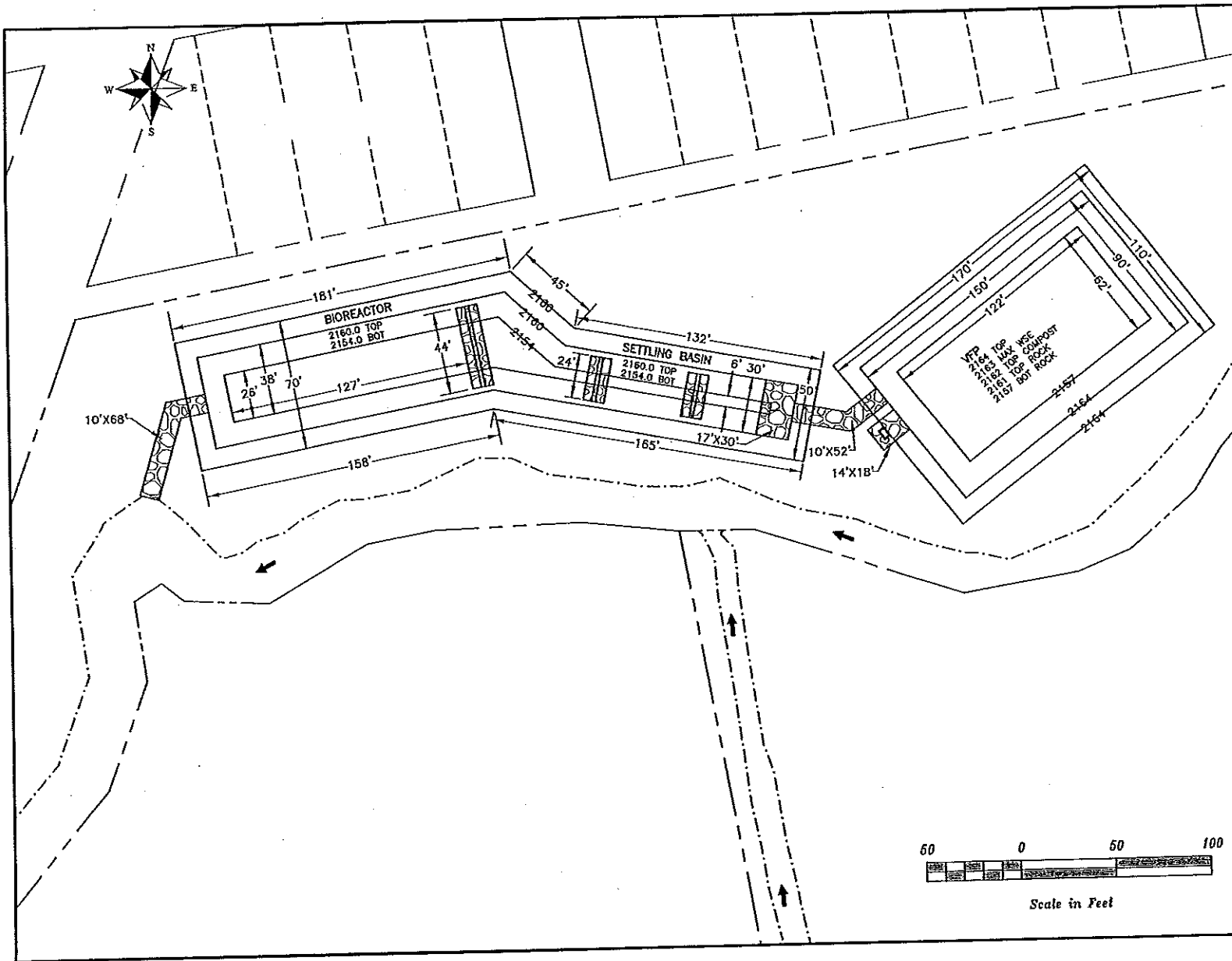


GROUND CONTROL DATA				
NO	DESCRIPTION	NORTHING	EASTING	ELEVATION
HUB 1	SPIKE	287602.24	1673949.88	2180.90
HUB 2	SPIKE	287582.18	1674286.27	2162.64

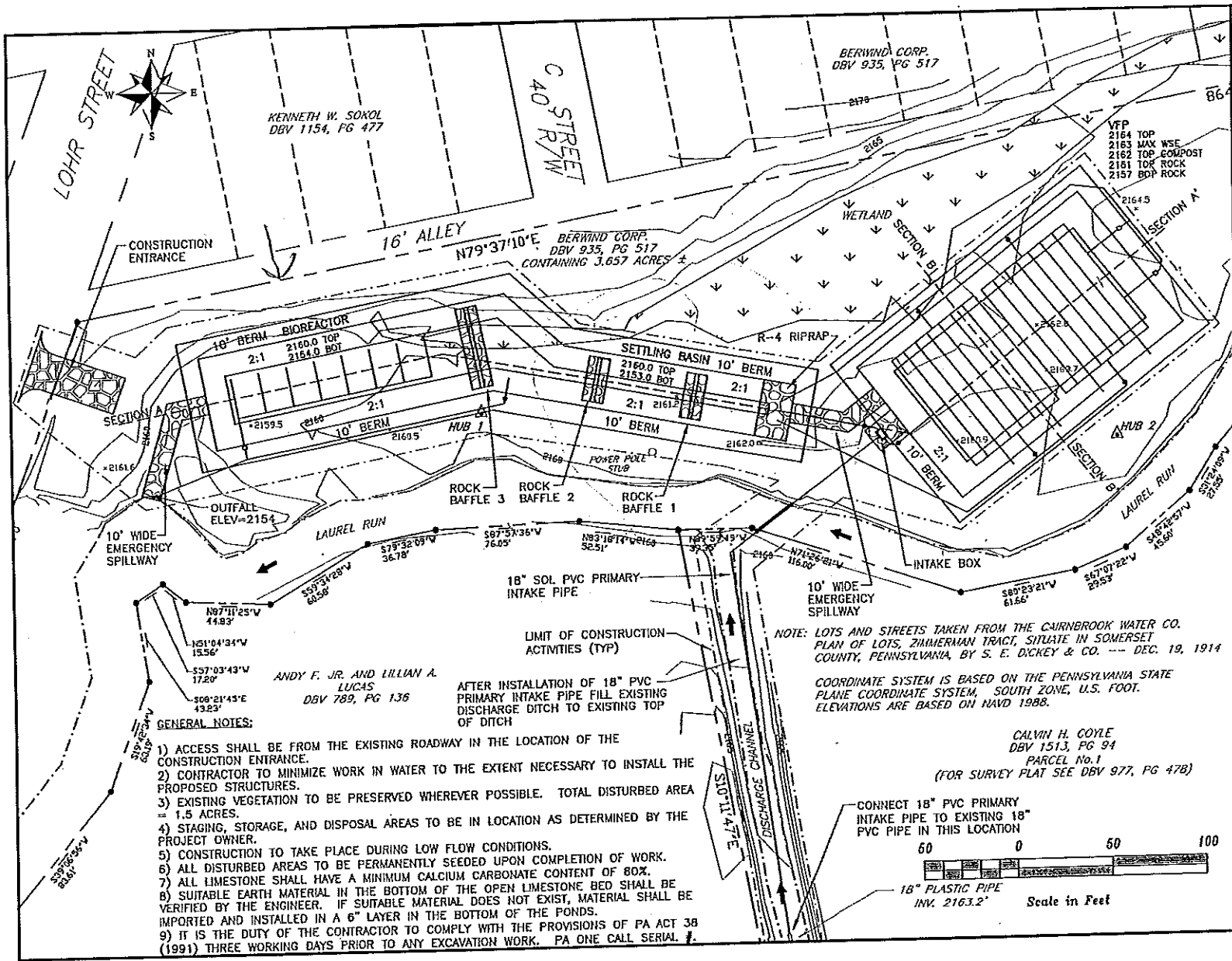
USDA NRCS
Natural Resources Conservation Service

SHADE CREEK WATERSHED ASSOCIATION
PRETZ 1 USGS 15 PASSIVE TREATMENT FACILITY
SOMERSET COUNTY, PENNSYLVANIA
EXISTING PLAN VIEW

DATE: 02/06
DRAWN BY: J. BARKER
CHECKED BY: J. BARKER
SCALE: AS SHOWN



<p>USDA NRCS Natural Resources Conservation Service</p>	<p>PROJECT NO. 25704</p> <p>DATE 12/04</p> <p>DESIGNED BY J. BARNES</p> <p>CHECKED BY J. BARNES</p> <p>SCALE</p>
<p>SHADE CREEK WATERSHED ASSOCIATION FEITZ 1 USGS 15 PASSIVE TREATMENT FACILITY SUMMIT COUNTY, PENNSYLVANIA DIMENSION PLAN</p>	<p>DATE 12/04</p> <p>BY J. BARNES</p> <p>SCALE</p>



- GENERAL NOTES:**
- 1) ACCESS SHALL BE FROM THE EXISTING ROADWAY IN THE LOCATION OF THE CONSTRUCTION ENTRANCE.
 - 2) CONTRACTOR TO MINIMIZE WORK IN WATER TO THE EXTENT NECESSARY TO INSTALL THE PROPOSED STRUCTURES.
 - 3) EXISTING VEGETATION TO BE PRESERVED WHEREVER POSSIBLE. TOTAL DISTURBED AREA = 1.5 ACRES.
 - 4) STAGING, STORAGE, AND DISPOSAL AREAS TO BE IN LOCATION AS DETERMINED BY THE PROJECT OWNER.
 - 5) CONSTRUCTION TO TAKE PLACE DURING LOW FLOW CONDITIONS.
 - 6) ALL DISTURBED AREAS TO BE PERMANENTLY SEEDED UPON COMPLETION OF WORK.
 - 7) ALL LIMESTONE SHALL HAVE A MINIMUM CALCIUM CARBONATE CONTENT OF 80%.
 - 8) SUITABLE EARTH MATERIAL IN THE BOTTOM OF THE OPEN LIMESTONE BED SHALL BE VERIFIED BY THE ENGINEER. IF SUITABLE MATERIAL DOES NOT EXIST, MATERIAL SHALL BE IMPORTED AND INSTALLED IN A 6" LAYER IN THE BOTTOM OF THE PONDS.
 - 9) IT IS THE DUTY OF THE CONTRACTOR TO COMPLY WITH THE PROVISIONS OF PA ACT 38 (1991) THREE WORKING DAYS PRIOR TO ANY EXCAVATION WORK. PA ONE CALL SERIAL #.

NOTE: LOTS AND STREETS TAKEN FROM THE CAIRNBROOK WATER CO. PLAN OF LOTS, ZIMMERMAN TRACT, SITUATE IN SOMERSET COUNTY, PENNSYLVANIA, BY S. E. DICKEY & CO. --- DEC. 19, 1914

COORDINATE SYSTEM IS BASED ON THE PENNSYLVANIA STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, U.S. FOOT. ELEVATIONS ARE BASED ON NAVD 1988.

CALVIN H. COYLE
 DBV 1513, PG 94
 PARCEL No. 1
 (FOR SURVEY PLAT SEE DBV 977, PG 478)

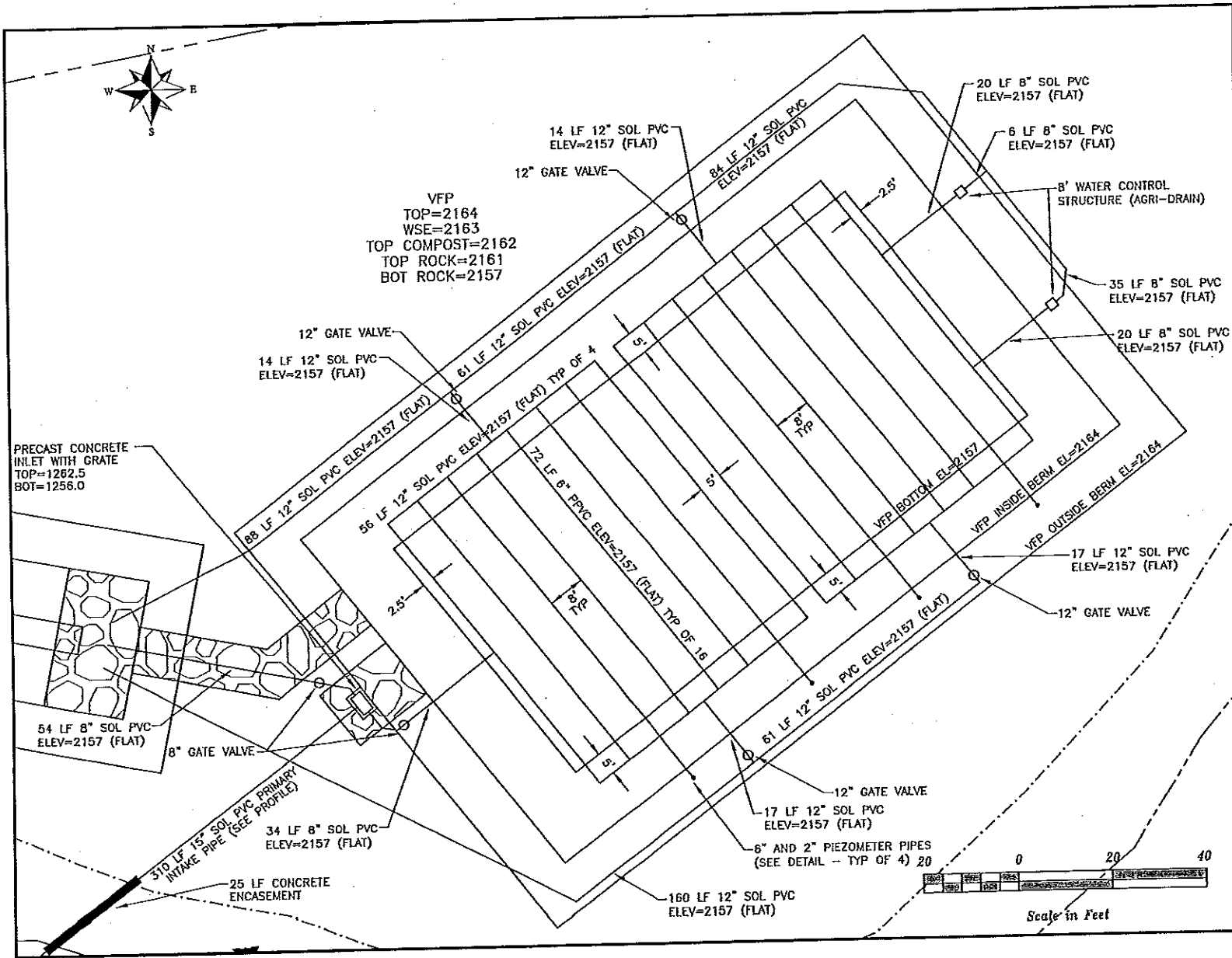
CONNECT 18" PVC PRIMARY INTAKE PIPE TO EXISTING 18" PVC PIPE IN THIS LOCATION

18" PLASTIC PIPE
 INV. 2163.2'

Scale in Feet

 National Resources Conservation Service	
SHADE CREEK WATERSHED ASSOCIATION RETZ 1 USGS 15 PASSIVE TREATMENT FACILITY SURVEY CONTR. PROVISIONS SITE PLAN	ALTERNATE 11

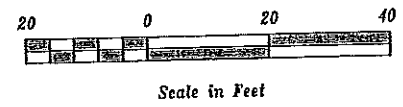
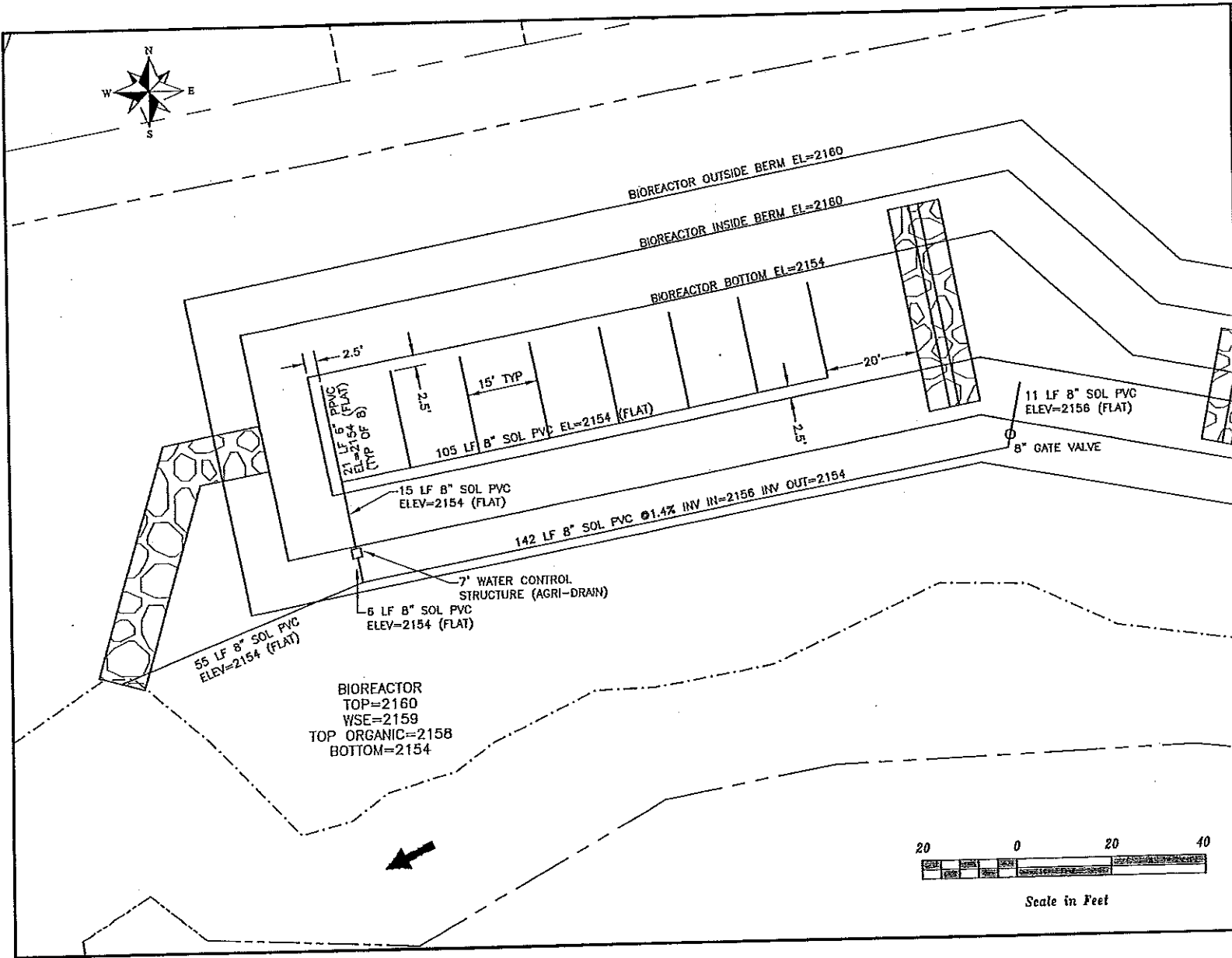
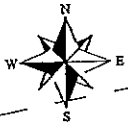
Fe
 (30) Fe
 (14) AC
 80



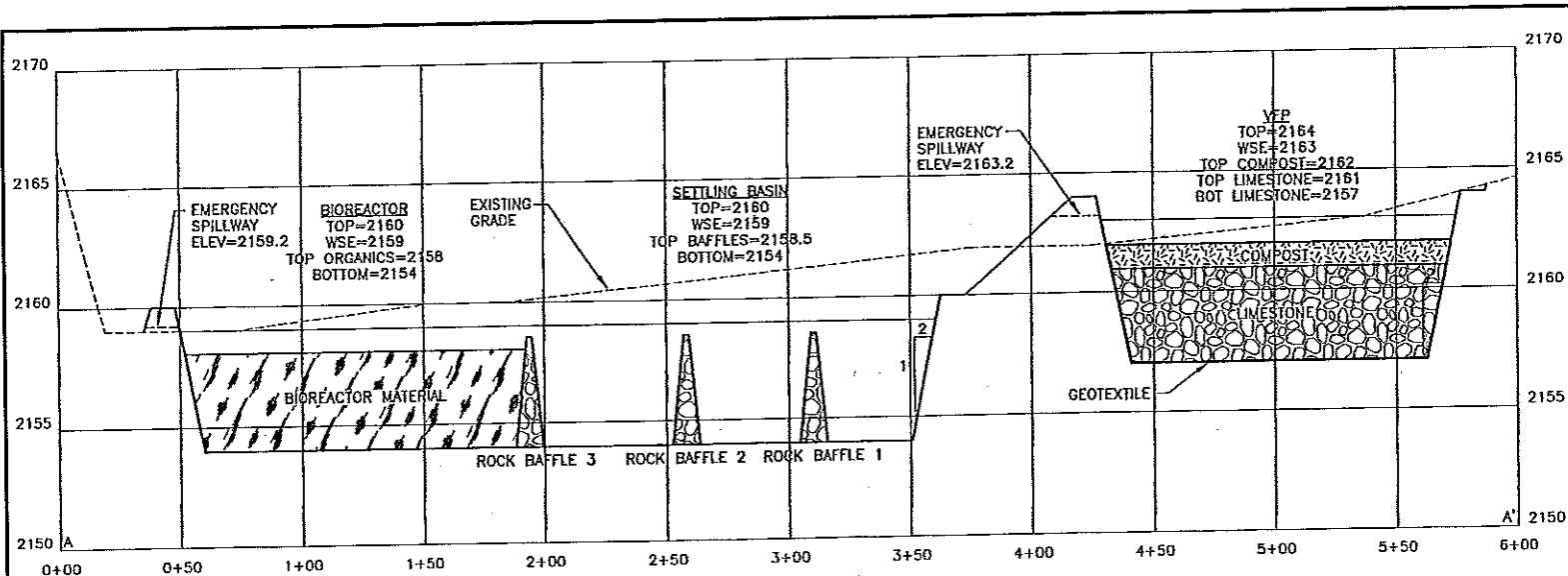
VFP
 TOP=2164
 WSE=2163
 TOP COMPOST=2162
 TOP ROCK=2161
 BOT ROCK=2157

PRECAST CONCRETE
 INLET WITH GRATE
 TOP=1262.5
 BOT=1256.0

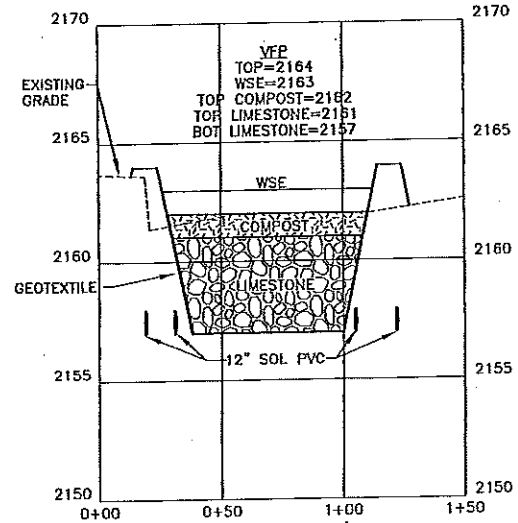
Project No.	
Sheet No.	
Scale	
Author	
Checked	
Approved	
 USDA NRCS Natural Resources Conservation Service	
SHADE CREEK WATERSHED ASSOCIATION HEITZ 1 USGS 15 PASSIVE TREATMENT FACILITY <small>CONTRACT NO. 15N0200000000000000</small> VFP PIPING PLAN	
DATE	
BY	
APP'D	
DATE	



Date: 03/08 Drawn by: J. ROBERTSON Checked by: J. ROBERTSON Title: BIOWATER PIPING PLAN	USDA NRCS Natural Resources Conservation Service	SHADE CREEK WATERSHED ASSOCIATION RETZ 1 USGS 15 PASSIVE TREATMENT FACILITY STANFORD COUNTY, PENNSYLVANIA BIOWATER PIPING PLAN
Drawing No: 1011011 Sheet No: 11		

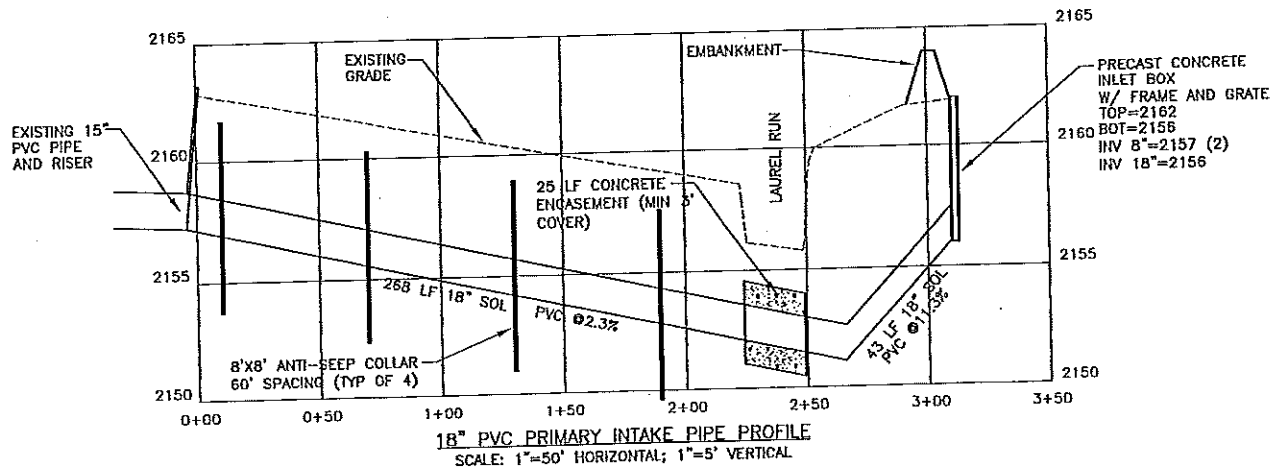


SECTION A-A'
SCALE: 1"=50' HORIZONTAL; 1"=5' VERTICAL



SECTION B-B'
SCALE: 1"=50' HORIZONTAL; 1"=5' VERTICAL

J. H. HARRISON T. J. HARRISON J. H. HARRISON T. J. HARRISON	 USDA NRCS Natural Resources Conservation Service	SHADE CREEK WATERSHED ASSOCIATION REITZ 1 USGS 15 PASSIVE TREATMENT FACILITY SUBJECT CONTRACT: WATERSHED SECTIONS
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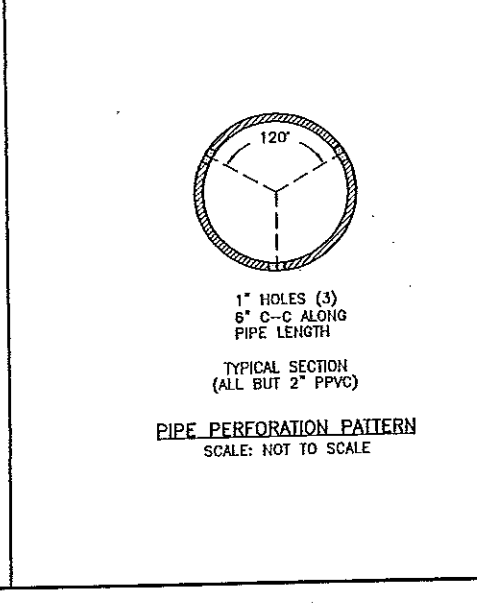
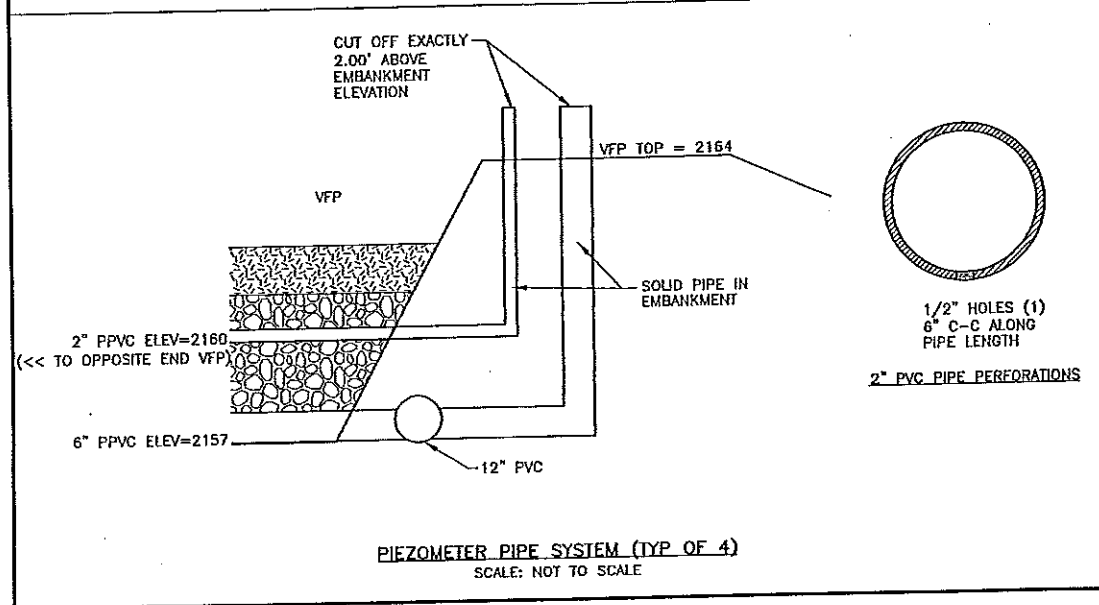
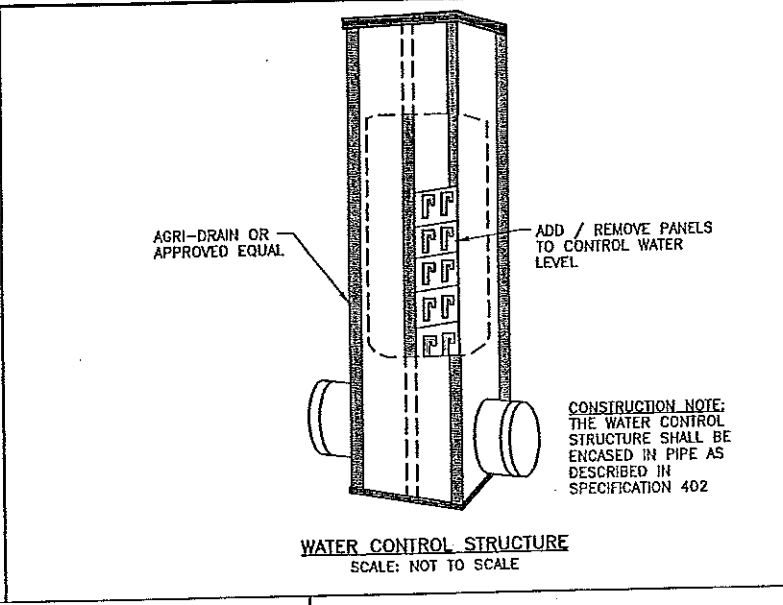
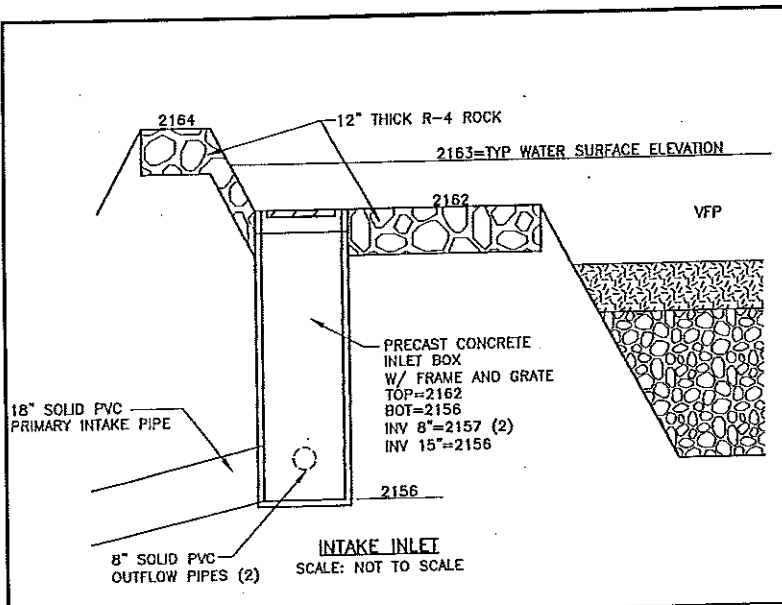


DATE	5/2/06
DESIGNED BY	J. ROBERTSON
CHECKED BY	J. ROBERTSON
DATE	5/16/06
DESIGNED BY	
CHECKED BY	
DATE	
DESIGNED BY	
CHECKED BY	

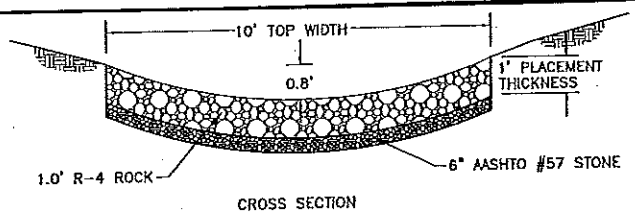


SHADE CREEK WATERSHED ASSOCIATION
 FREITZ 1 USGS 15 PASSITE TREATMENT FACILITY
 SUMMIT COUNTY, PENNSYLVANIA
 SECTIONS

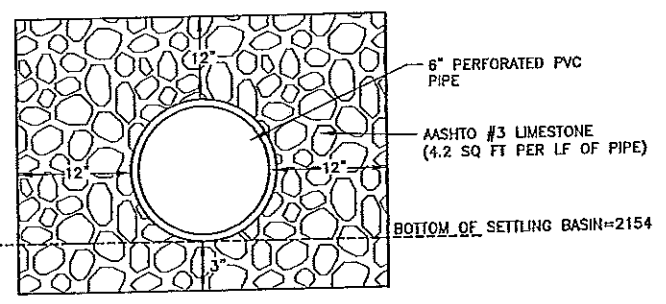
DATE: 5/16/06
 DRAWN BY: J. ROBERTSON



Date: 05/24/04 Drawn: J. HARRISON Checked: J. HARRISON Project:	<p>USDA NRCS Natural Resource Conservation Service</p>	<p>SHADE CREEK WATERSHED ASSOCIATION REITZ 1 USGS 15 PASSIVE TREATMENT FACILITY SUBMITT: CORRIG: PROPOSED DETAILS</p>
Drawing No: MTT00107 Sheet: 11		



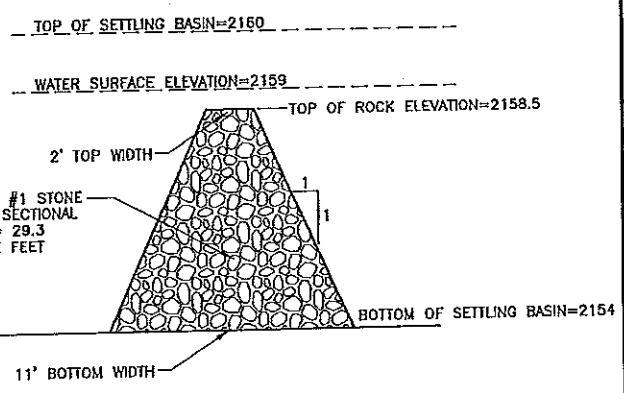
EMERGENCY SPILLWAY (TYP OF 2)
SCALE: NOT TO SCALE



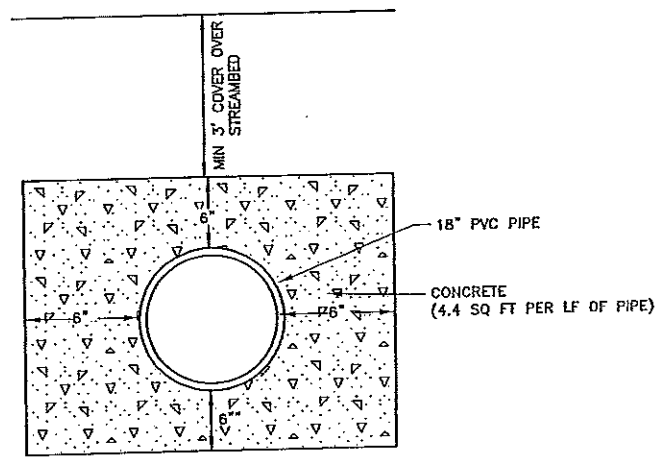
BIOREACTOR PIPE BEDDING
SCALE: NOT TO SCALE

EROSION CONTROL:

1. PRIOR TO ANY EARTHMOVING ACTIVITIES, INSTALL CONSTRUCTION ENTRANCE IN LOCATION SHOWN ON THE PLAN DRAWINGS.
2. CONSTRUCT ALL PROPOSED FACILITIES IN THE DRY BY DIVERTING SURFACE WATER AWAY FROM PROPOSED CONSTRUCTION ACTIVITIES. AT NO TIME SHALL UNTREATED SEDIMENT LADEN WATER BE ALLOWED TO EXIT THE CONSTRUCTION AREA.
3. ALL WATER REMOVED FROM THE SITE SHALL BE SEDIMENT FREE BY PASSING THROUGH A FILTER FABRIC BAG PRIOR TO RELEASE.
4. PROVIDE INTERIM STABILIZATION ON AREAS LEFT UNPROTECTED MORE THAN 20 DAYS BY SEEDING WITH 25 LBS. ANNUAL RYEGRASS PER ACRE AND MULCHING WITH 3 TON HAY PER ACRE.
5. STAGE EARTHWORK ACTIVITIES; CONTROL WORK SEQUENCE, COMPLETE AS YOU GO.
6. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSPECTED AFTER EACH STORM EVENT. REPAIRS SHALL BE PERFORMED AS NEEDED.
7. PERMANENTLY SEED ALL DISTURBED AREAS IMMEDIATELY AFTER COMPLETION.



ROCK BAFFLE (TYP OF 3)
SCALE: NOT TO SCALE



STREAM CROSSING CONCRETE ENCASEMENT
SCALE: NOT TO SCALE

Author	
Checked by	
Drawn by	
Reviewed by	
Scale	
Project	
Sheet	
Date	



SHADE CREEK WATERSHED ASSOCIATION
REITZ 1 USGS 15 PASSIVE TREATMENT FACILITY
 SHERESKY CONSULTING, POKESVILLE, MD
DETAILS

