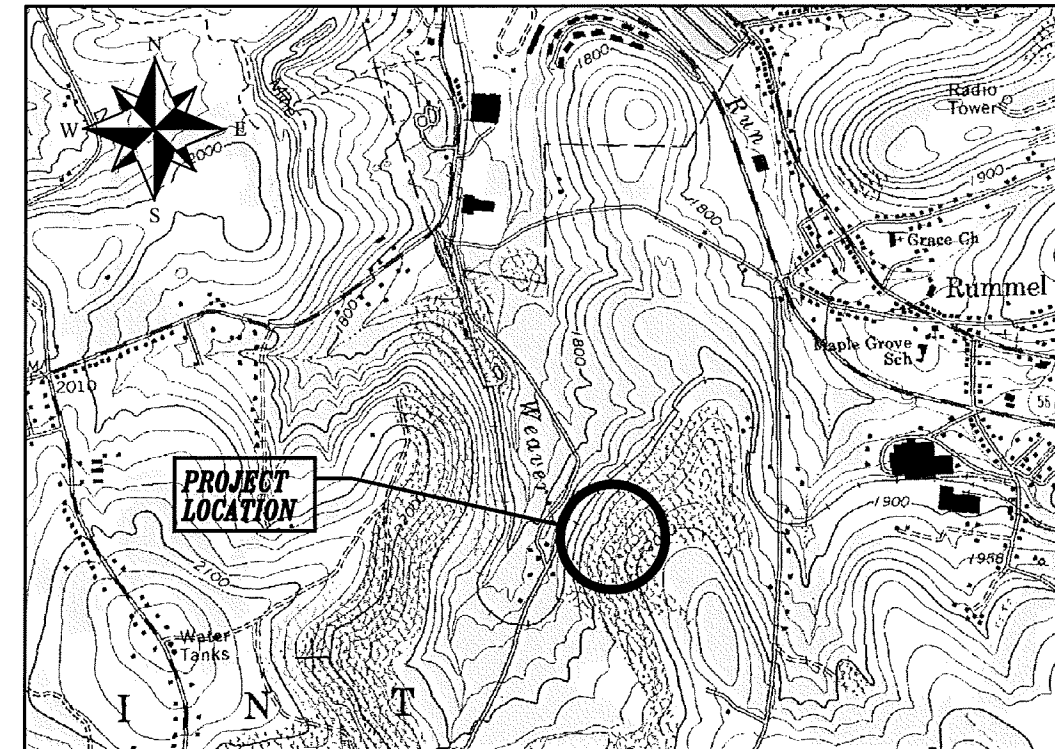
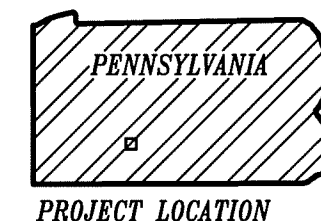
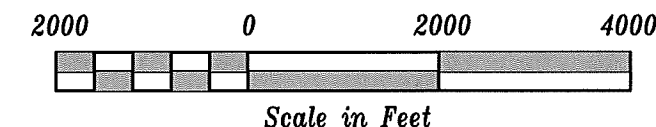


**WEAVER RUN D10 AND
GROWING GREENER
PAINT TOWNSHIP
SOMERSET COUNTY, PENNSYLVANIA**



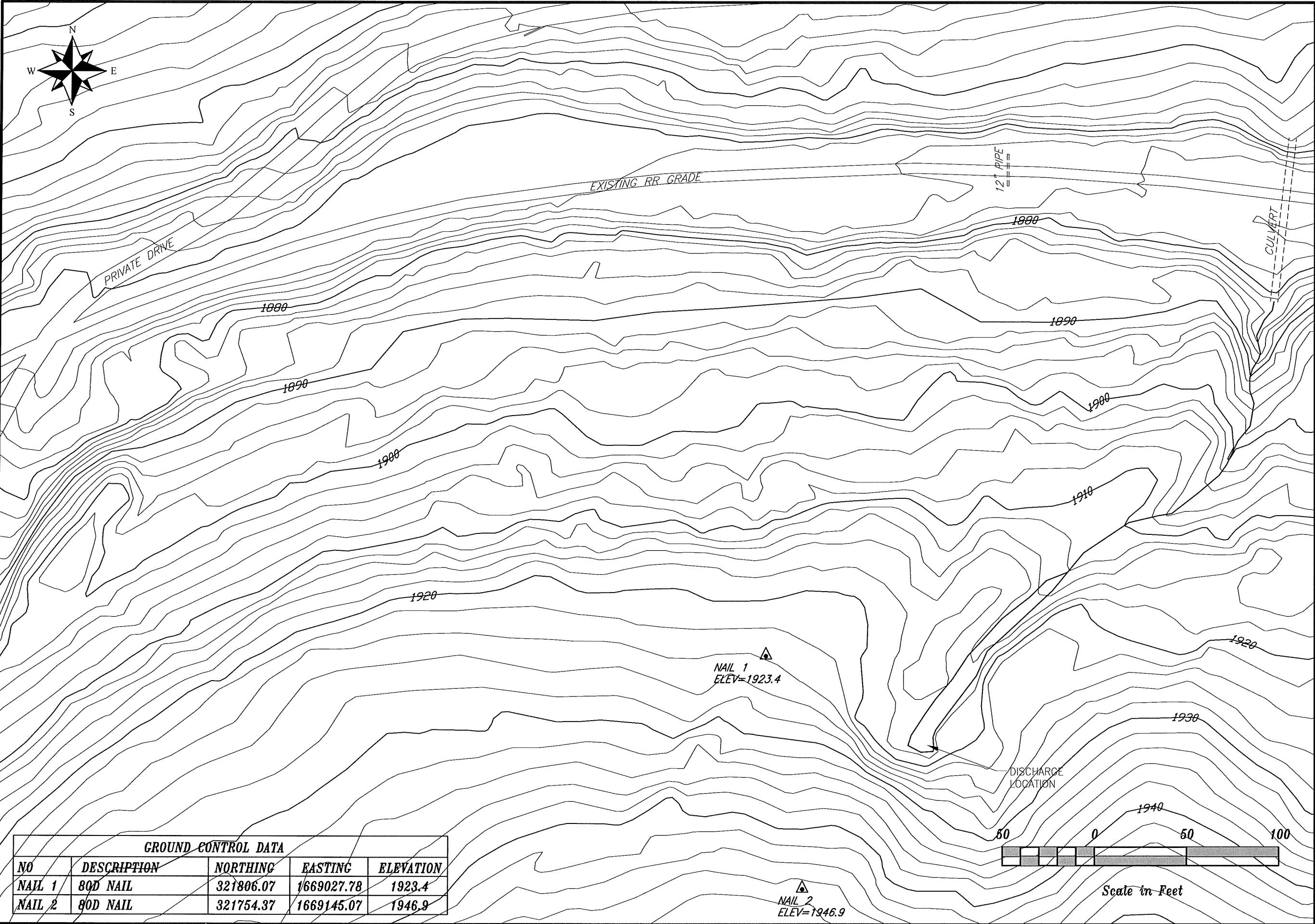
Sponsored By
PAINT CREEK WATERSHED ASSOCIATION
SOMERSET COUNTY CONSERVATION DISTRICT
PA DEPARTMENT OF ENVIRONMENTAL PROTECTION



Prepared By
UNITED STATES DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE
PENNSYLVANIA ASSN OF CONSERVATION DISTRICTS
TECHNICAL ASSISTANCE GRANT PROGRAM
2012

| <u>INDEX</u> | |
|--------------|-----------------------|
| 1. | TITLE SHEET |
| 2. | EXISTING PLAN VIEW |
| 3. | FINAL PLAN VIEW |
| 4. | GRADING AND E&S PLANS |
| 5. | PROFILES |
| 6. | PROFILES & SECTIONS |
| 7. | NOTES AND DETAILS |
| 8. | DETAILS |

| | |
|--|---|
| USDA NRCS Natural Resources Conservation Service | Approved by: _____ Title: _____ Date: 04/12 |
| Designed: E. ROBERTSON Drawn: E. ROBERTSON Reviewed: _____ Checked: P. J. | Date: 04/12 Title: _____ Date: 4/12 |
| WEAVER RUN D10 AND PASSIVE TREATMENT SYSTEM SOMERSET COUNTY, PENNSYLVANIA TITLE SHEET | |
| Drawing No. WEAVERPLOT Sheet No. 1 of 8 | |



| GROUND CONTROL DATA | | | | |
|---------------------|-------------|-----------|------------|-----------|
| NO | DESCRIPTION | NORTHING | EASTING | ELEVATION |
| NAIL 1 | 80D NAIL | 321806.07 | 1669027.78 | 1923.4 |
| NAIL 2 | 80D NAIL | 321754.37 | 1669145.07 | 1946.9 |

USDA NRCS
Natural Resources Conservation Service

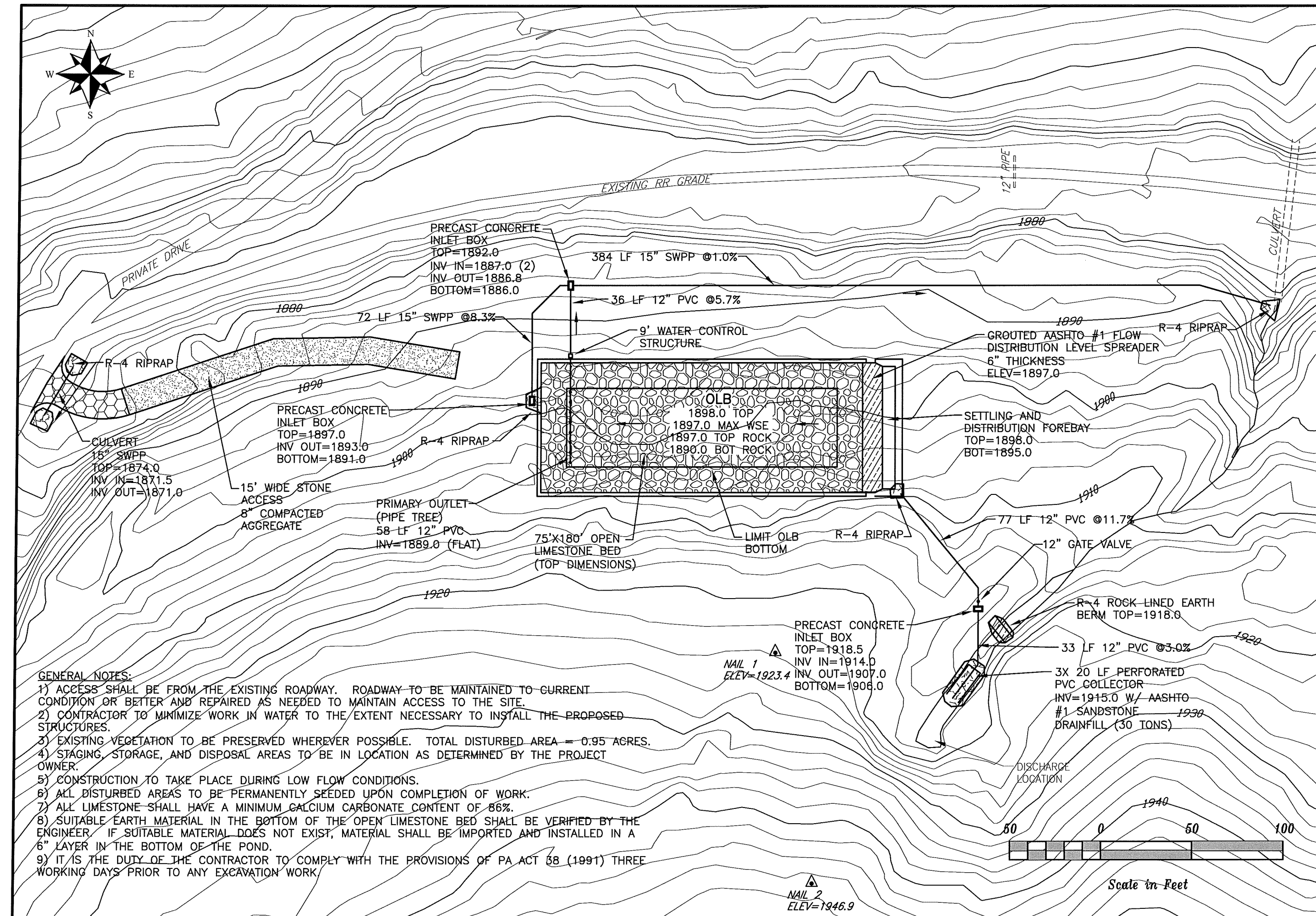
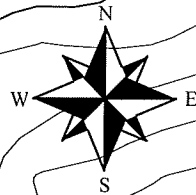
WEAVER RUN D10 AND
PASSIVE TREATMENT SYSTEM
SOMERSET COUNTY, PENNSYLVANIA
EXISTING PLAN

Drawn by: _____
Checked by: _____
Date: 04/12

Designed by: E. ROBERTSON
Drawn by: E. ROBERTSON
Reviewed by: PLH
Date: 04/12

Approved by: _____
Title: _____
Date: 4/12

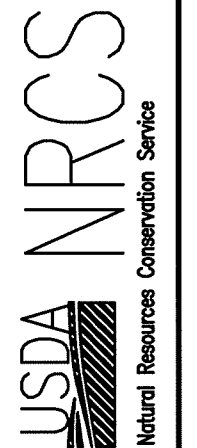
Drawing No. WEAVERPLOT
Sheet No. 2 of 8



GENERAL NOTES:

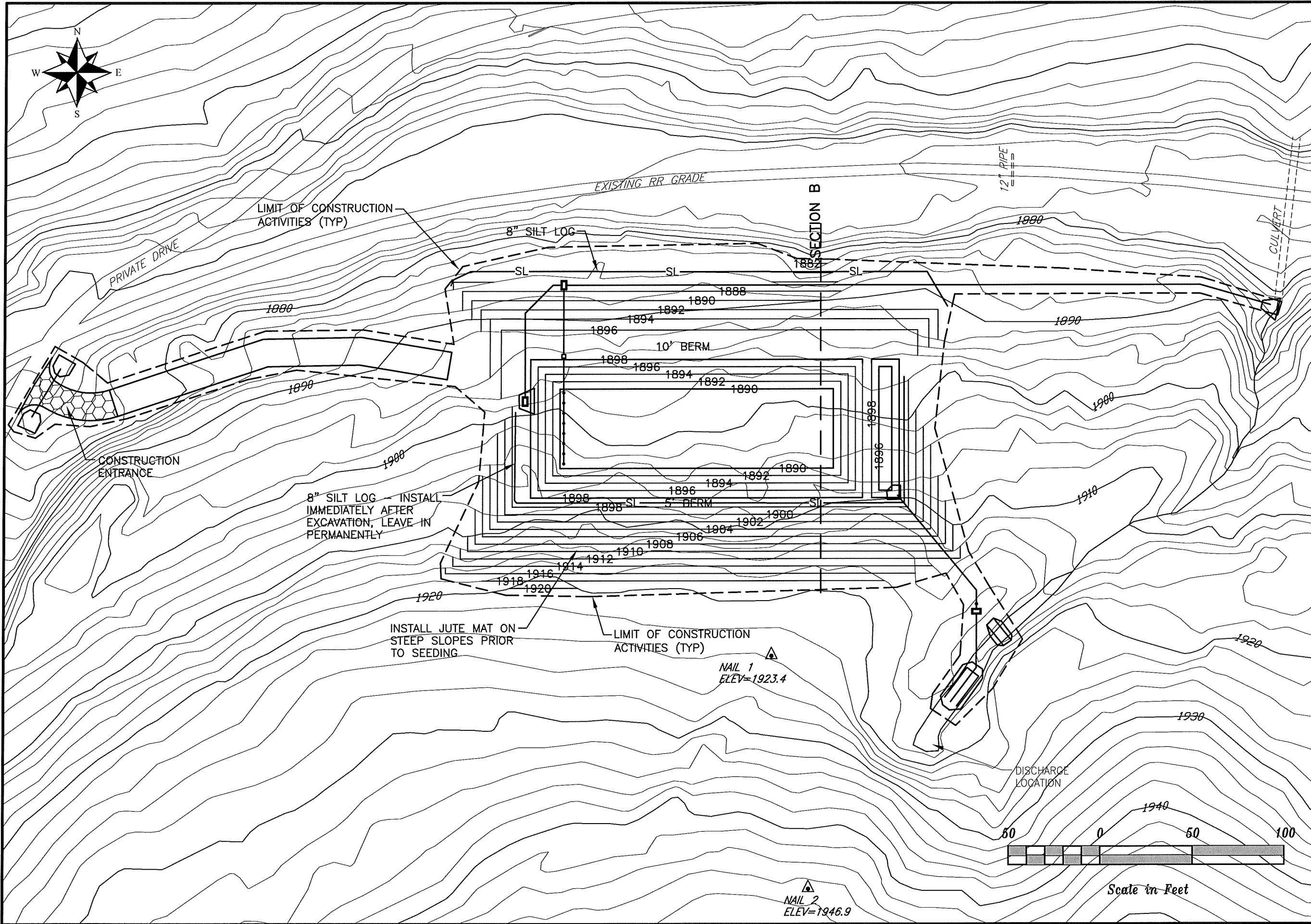
- 1) ACCESS SHALL BE FROM THE EXISTING ROADWAY. ROADWAY TO BE MAINTAINED TO CURRENT CONDITION OR BETTER AND REPAIRED AS NEEDED TO MAINTAIN ACCESS TO THE SITE.
- 2) CONTRACTOR TO MINIMIZE WORK IN WATER TO THE EXTENT NECESSARY TO INSTALL THE PROPOSED STRUCTURES.
- 3) EXISTING VEGETATION TO BE PRESERVED WHEREVER POSSIBLE. TOTAL DISTURBED AREA = 0.95 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 86%.
- 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 POND.
- 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.

| | | |
|------------|--------------|-------|
| Designated | E. ROBERTSON | 04/12 |
| Drawn | E. ROBERTSON | 04/12 |
| Reviewed | | |
| Checked | PZ | 4/12 |

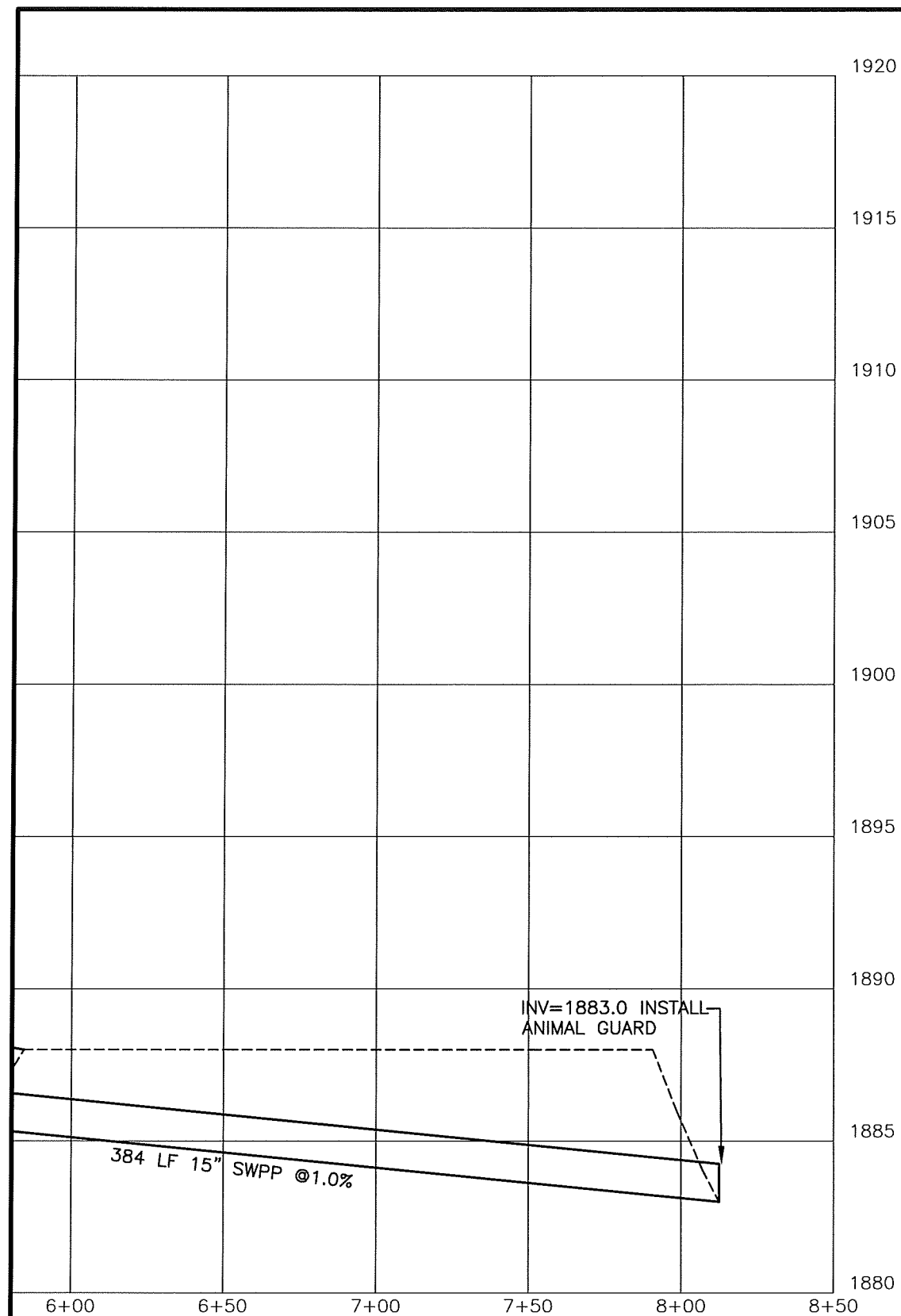


WEAVER RUN D10 AND PASSIVE TREATMENT SYSTEM SOMERSET COUNTY, PENNSYLVANIA FINAL PLAN

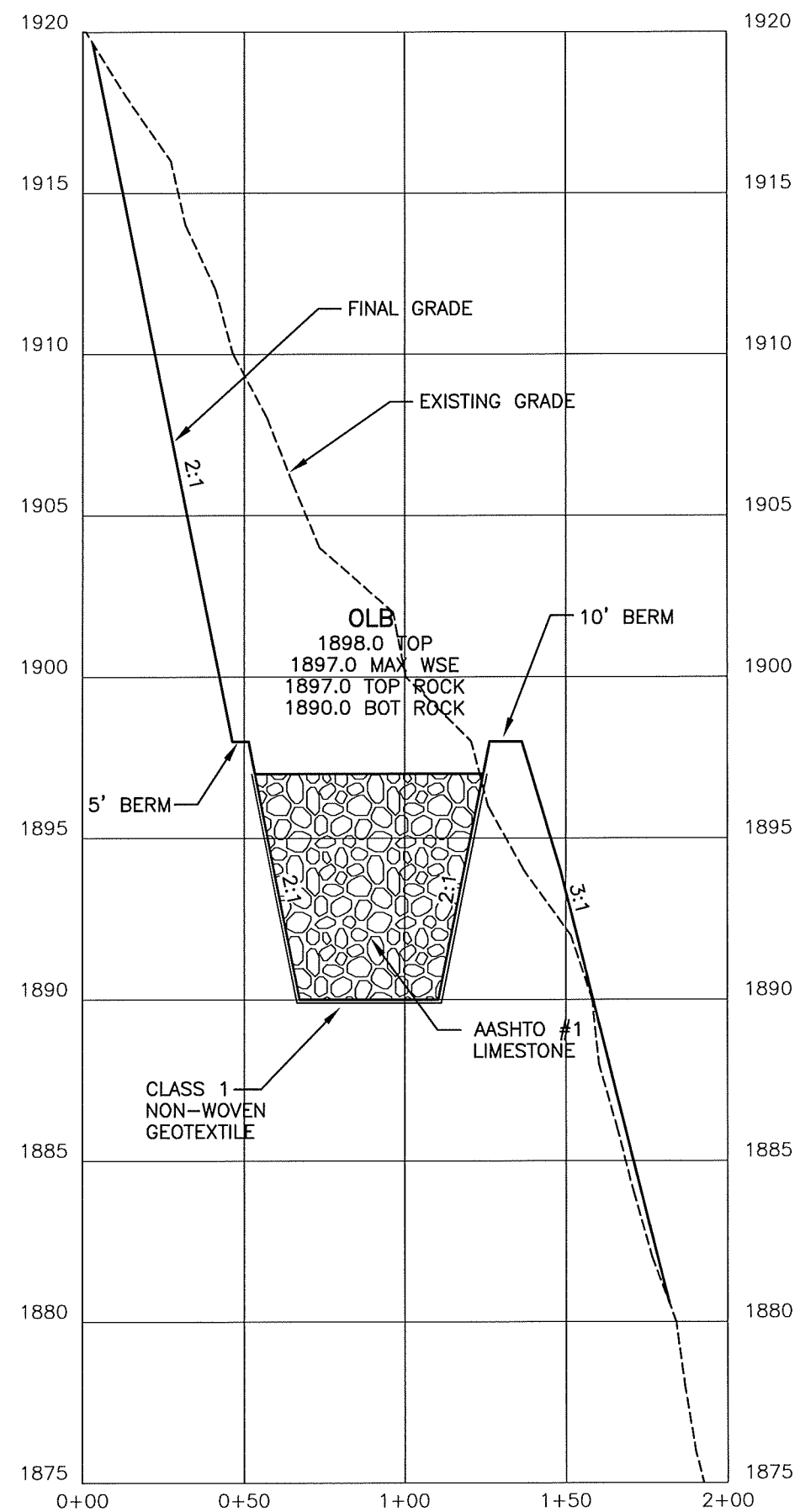
| | |
|-------------|------------|
| Drawing No. | WEAVERPLOT |
| Sheet | 8 of 8 |



| | |
|---|---------------------|
|  Natural Resources Conservation Service | |
| WEAVER RUN D10 AND PASSIVE TREATMENT SYSTEM SOMERSET COUNTY, PENNSYLVANIA GRADING AND E&S PLAN | |
| Designated: E. ROBERTSON | Date: 04/12 |
| Drawn: E. ROBERTSON | Title: 04/12 |
| Reviewed: PLZ | Title: 4/12 |
| Checked: PLZ | Title: 4/12 |
| Drawing No. WEAVERPLOT | |
| Sheet No. 4 of 8 | |



PROFILE ALONG CL FLOWPATH (CONT'D)
SCALE: 1"=50' HORIZONTAL; 1"=5' VERTICAL



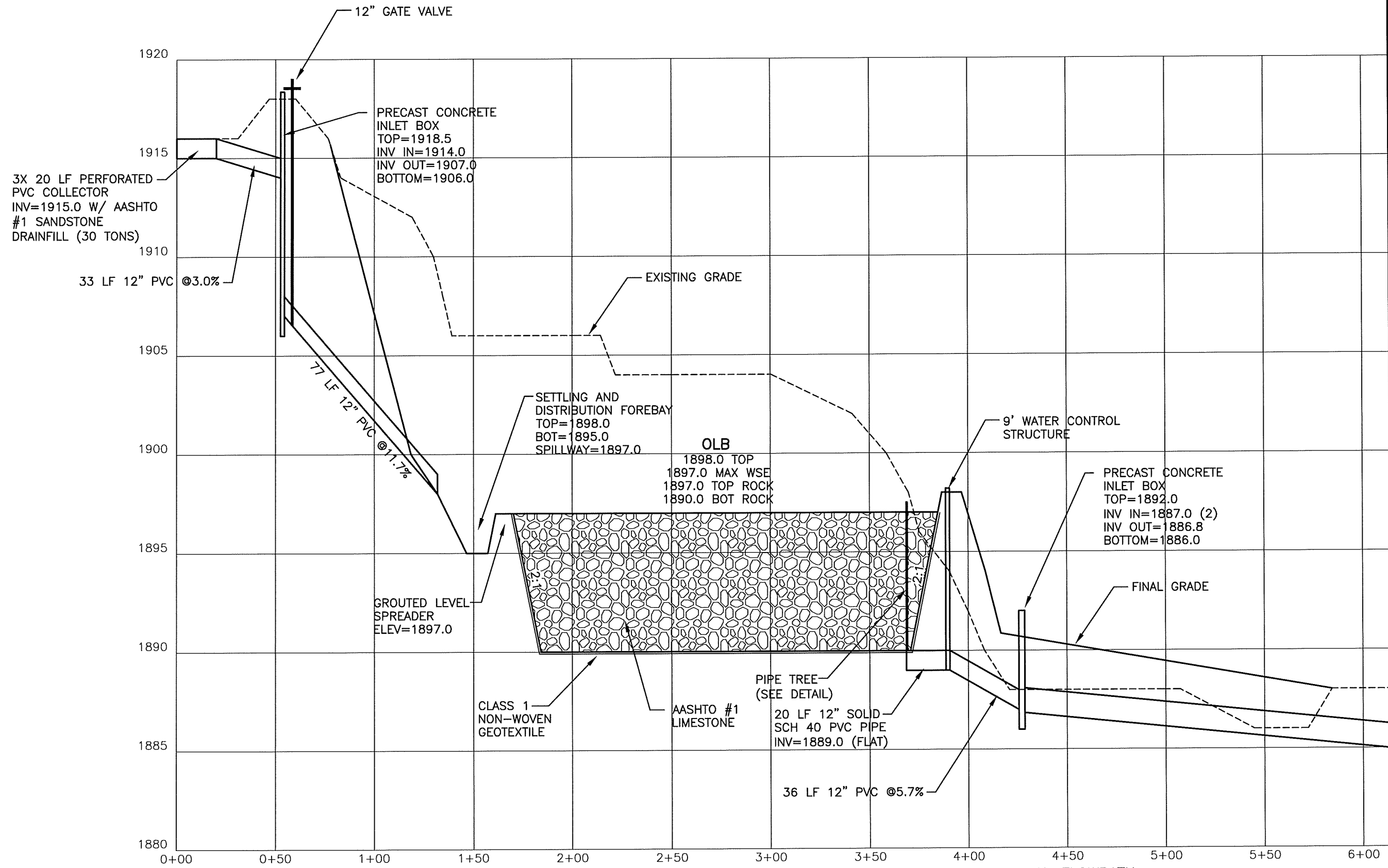
| Date | By | Approved by | Date |
|----------|--------------|-------------|-------|
| Designed | E. ROBERTSON | _____ | _____ |
| Drawn | E. ROBERTSON | _____ | _____ |
| Revised | _____ | _____ | _____ |
| Checked | PLZ | _____ | 4/12 |



**WEAVER RUN D10 AMD
PASSIVE TREATMENT SYSTEM
SOMERSET COUNTY, PENNSYLVANIA
PROFILES & SECTIONS**

Drawing No. WEAVERPLOT

Sheet
No. 6 of 8



PROFILE ALONG CL FLOWPATH
SCALE: 1"=50' HORIZONTAL; 1"=5' VERTICAL

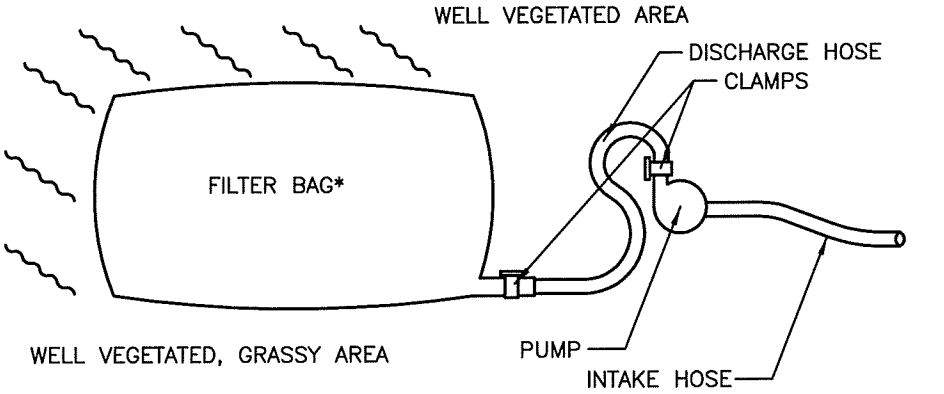
| | | |
|----------|--------------|-------|
| Design | E. ROBERTSON | 04/12 |
| Drawn | E. ROBERTSON | 04/12 |
| Reviewed | PL | 4/12 |
| Checked | | |



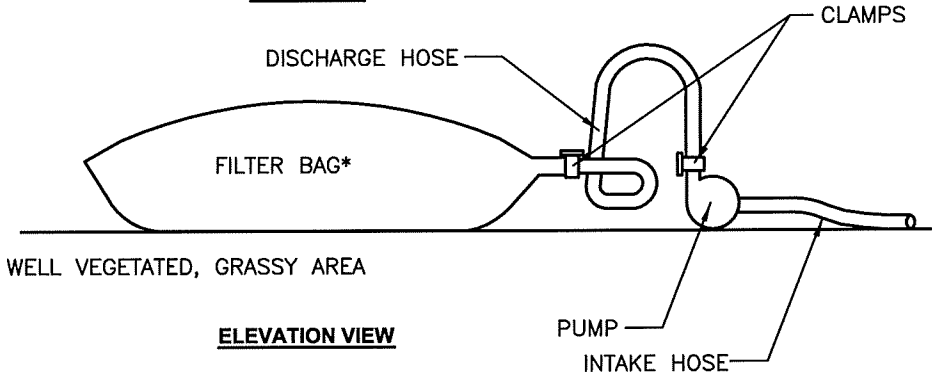
WEAVER RUN D10 AMD
PASSIVE TREATMENT SYSTEM
SOMERSET COUNTY, PENNSYLVANIA
PROFILES

EROSION CONTROL NOTES:

- 1) ALL SOILS ON SITE ARE UDD – STRIP MINE SPOIL.
 - 2) MECHANICAL REMOVAL OF ALL SEDIMENT LADEN WATER SHALL BE PERFORMED BY PASSING THROUGH A SEDIMENT FILTER BAG BEFORE DISCHARGE OVERLAND TO WATERS OF THE COMMONWEALTH. PADEP CHAPTER 102 SPECIFICATIONS FOR THE TYPE AND USE OF SEDIMENT FILTER BAGS SHALL APPLY.
 - 3) TEMPORARY SEEDING SHALL BE PERFORMED ON ANY DISTURBED AREAS THAT SHALL REMAIN DISTURBED FOR MORE THAN 20 DAYS AND SHALL CONSIST OF SEEDING WITH A #3 MIXTURE OF BIRDS FOOT TREE FOIL AND TALL FESCUE. THE MIXTURE WILL CONTAIN 10 LBS BFT AND 35 LB TF PER ACRE. IF THE SOIL pH IS BELOW 6.0 THE SOIL SHALL BE AMENDED WITH 800–1000 LB/ACRE LIME. MULCH SHALL BE APPLIED AT 3 TONS/ACRE OF CEREAL STRAW. FERTILIZER SHALL BE APPLIED AT 100 LB N, 200 LB P, AND 200 LB K PER ACRE. TEMPORARY AND PERMANENT SEEDING SHALL BE THE SAME.
 - 4) TEMPORARY EROSION CONTROLS SHALL NOT BE REMOVED BY THE CONTRACTOR UNTIL 70% OR GREATER VEGETAL STABILIZATION HAS BEEN ESTABLISHED AND VERIFIED BY THE SOMERSET CONSERVATION DISTRICT OR PADEP INSPECTION PERSONNEL.
 - 5) **RECYCLING AND DISPOSAL OF WASTES:** THE CONTRACTOR WILL BE REQUIRED TO REMOVE AND DISPOSE OF ALL WASTE FOUND ON-SITE AT AN OFF-SITE PERMITTED DISPOSAL AREA OR LANDFILL. ANY WASTE THAT CAN BE PRACTICALLY RECYCLED SHOULD BE. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ANY SOLID WASTES IN A MANNER THAT COMPLIES WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL ORDINANCES.
- EROSION CONTROL INSPECTION AND MAINTENANCE:**
ALL TEMPORARY E&S CONTROLS WILL BE MAINTAINED THROUGHOUT CONSTRUCTION AND NOT REMOVED UNTIL CONSTRUCTION GROUND IS FULLY STABILIZED WITH SEED MIXTURES AND / OR ROCK CONSTRUCTION. ALL SILT LOGS AND FILTER BAGS WILL BE CHECKED AFTER EVERY PRECIPITATION / RUNOFF EVENT TO ENSURE E&S CONTROLS ARE MAINTAINED AT AN EFFICIENT OPERATION LEVEL. ANY REPAIRS SHALL BE PERFORMED IMMEDIATELY. IF SEDIMENT EXCEEDS HALFWAY MARK VERTICALLY ON THE SILT LOG OR THE INSIDE OF THE FILTER BAG THE SEDIMENT MUST BE REMOVED AND DISPOSED OF IN THE FILL DISPOSAL AREA AND IMMEDIATELY PERMANENTLY SEEDED AND MULCHED.



PLAN VIEW



ELEVATION VIEW

NOTES:
FILTER BAGS SHALL BE MADE FROM NON-WOVEN GEOTEXTILE MATERIAL SEWN WITH HIGH STRENGTH, DOUBLE STITCHED "J" TYPE SEAMS. THEY SHALL BE CAPABLE OF TRAPPING PARTICLES LARGER THAN 150 MICRONS.

A SUITABLE MEANS OF ACCESSING THE BAG WITH MACHINERY REQUIRED FOR DISPOSAL PURPOSES MUST BE PROVIDED. FILTER BAGS SHALL BE REPLACED WHEN THEY BECOME 1/2 FULL. SPARE BAGS SHALL BE KEPT AVAILABLE FOR REPLACEMENT OF THOSE THAT HAVE FAILED OR ARE FILLED.

BAGS SHALL BE LOCATED IN WELL-VEGETATED (GRASSY) AREA, AND DISCHARGE ONTO STABLE, EROSION RESISTANT AREAS. WHERE THIS IS NOT POSSIBLE, A GEOTEXTILE FLOW PATH SHALL BE PROVIDED. BAGS SHALL NOT BE PLACED ON SLOPES GREATER THAN 5%.

THE PUMP DISCHARGE HOSE SHALL BE INSERTED INTO THE BAGS IN THE MANNER SPECIFIED BY THE MANUFACTURER AND SECURELY CLAMPED.

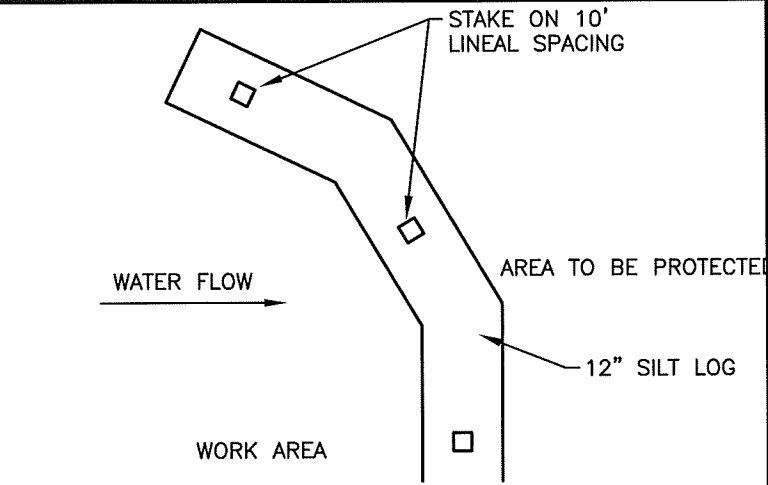
THE PUMPING RATE SHALL BE NO GREATER THAN 750 GPM OR 1/2 THE MAXIMUM SPECIFIED BY THE MANUFACTURER, WHICHEVER IS LESS. PUMP INTAKES SHOULD BE FLOATING AND SCREENED.

FILTER BAGS SHALL BE INSPECTED DAILY. IF ANY PROBLEM IS DETECTED, PUMPING SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL THE PROBLEM IS CORRECTED.

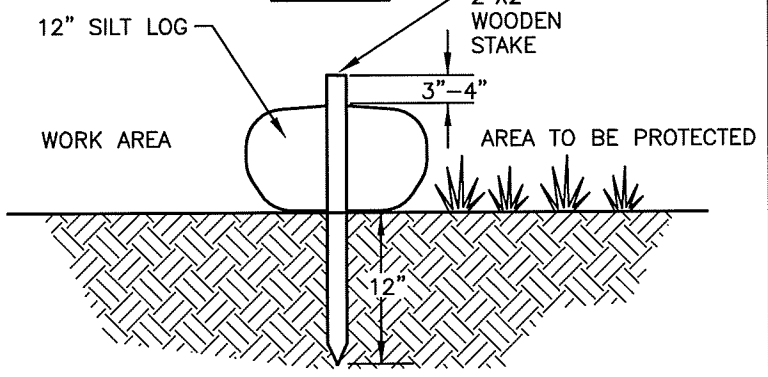
**STANDARD CONSTRUCTION DETAIL #26
Pumped Water Filter Bag**

CONSTRUCTION SEQUENCE:

- 1) INSTALL CONSTRUCTION ENTRANCES, CULVERT, AND STONE STABILIZATION FOR CULVERT.
- 2) INSTALL 12" SILT LOGS.
- 3) EXCAVATE OPEN LIMESTONE BED IMMEDIATELY PERMANENTLY SEED AND MULCH ALL DISTURBED AREAS. IMMEDIATELY STABILIZE ALL STEEP SLOPE AREAS WITH JUTE MAT AND PERMANENT SEEDING.
- 4) INSTALL OUTLET PIPING AND SPILLWAYS. IMMEDIATELY STABILIZE OUTLETS WITH ROCK.
- 5) PERMANENTLY SEED AND MULCH ALL OTHER DISTURBED AREAS.

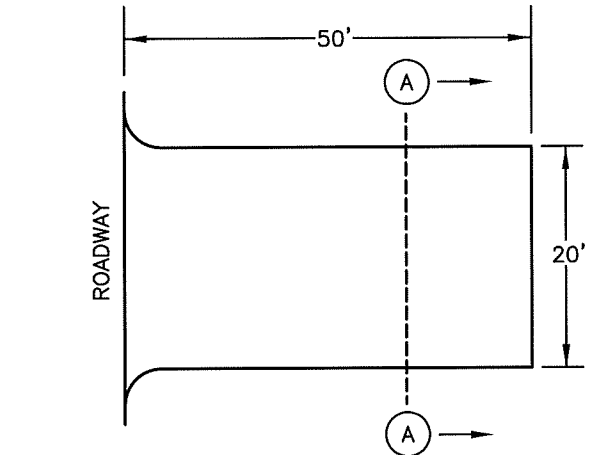


PLAN VIEW

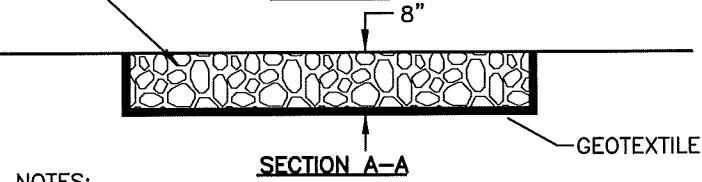


SECTION

**12" SILT LOG
NOT TO SCALE**



PLAN VIEW



SECTION A-A

NOTES:
1. 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.

**ROCK CONSTRUCTION ENTRANCE
NOT TO SCALE**

| | |
|-------------|--------------|
| Date | 04/12 |
| Approved by | E. ROBERTSON |
| Drawn | E. ROBERTSON |
| Reviewed | P. J. |
| Checked | 4/12 |

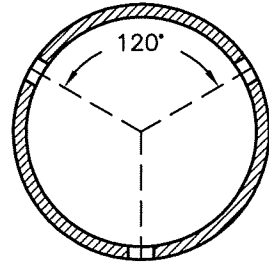
USDA NRCS
Natural Resources Conservation Service

**WEAVER RUN D10 AND
PASSIVE TREATMENT SYSTEM**
SOMERSET COUNTY, PENNSYLVANIA

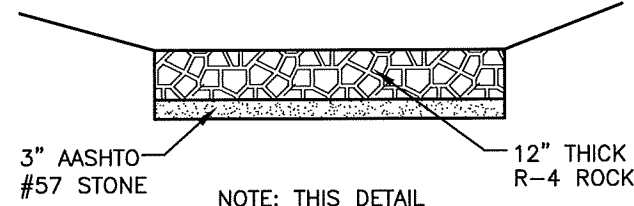
NOTES & DETAILS

Drawing No. **WEAVERPLOT**

Sheet No. **7** of **8**

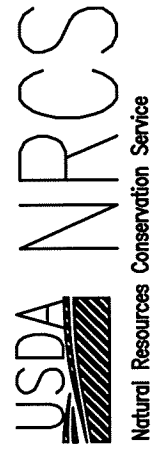
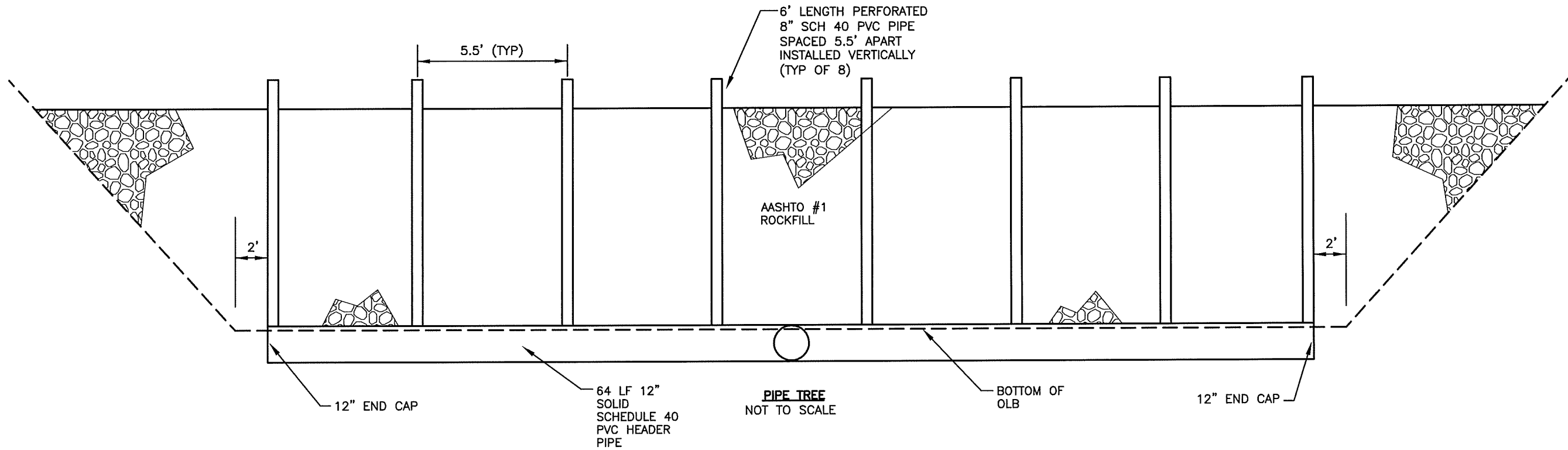


1" HOLES (3)
6" C-C ALONG
PIPE LENGTH
PIPE PERFORATION PATTERN



NOTE: THIS DETAIL
APPLIES TO ALL
OUTFALL LOCATIONS

R-4 ROCK STABILIZATION
NOT TO SCALE



**WEAVER RUN D10 AND
PASSIVE TREATMENT SYSTEM**
SOMERSET COUNTY, PENNSYLVANIA
DETAILS

| | | | | | |
|-------------|-------|-------------|--|------|--|
| Designed by | 04/12 | Approved by | | Date | |
| Drawn by | 04/12 | Title | | | |
| Reviewed by | | | | | |
| Checked by | 4/12 | | | | |