



TENNESSEE DEPARTMENT OF ENVIRONMENT & CONSERVATION

LAND RECLAMATION SECTION

CONSTRUCTION PLANS

FOR THE

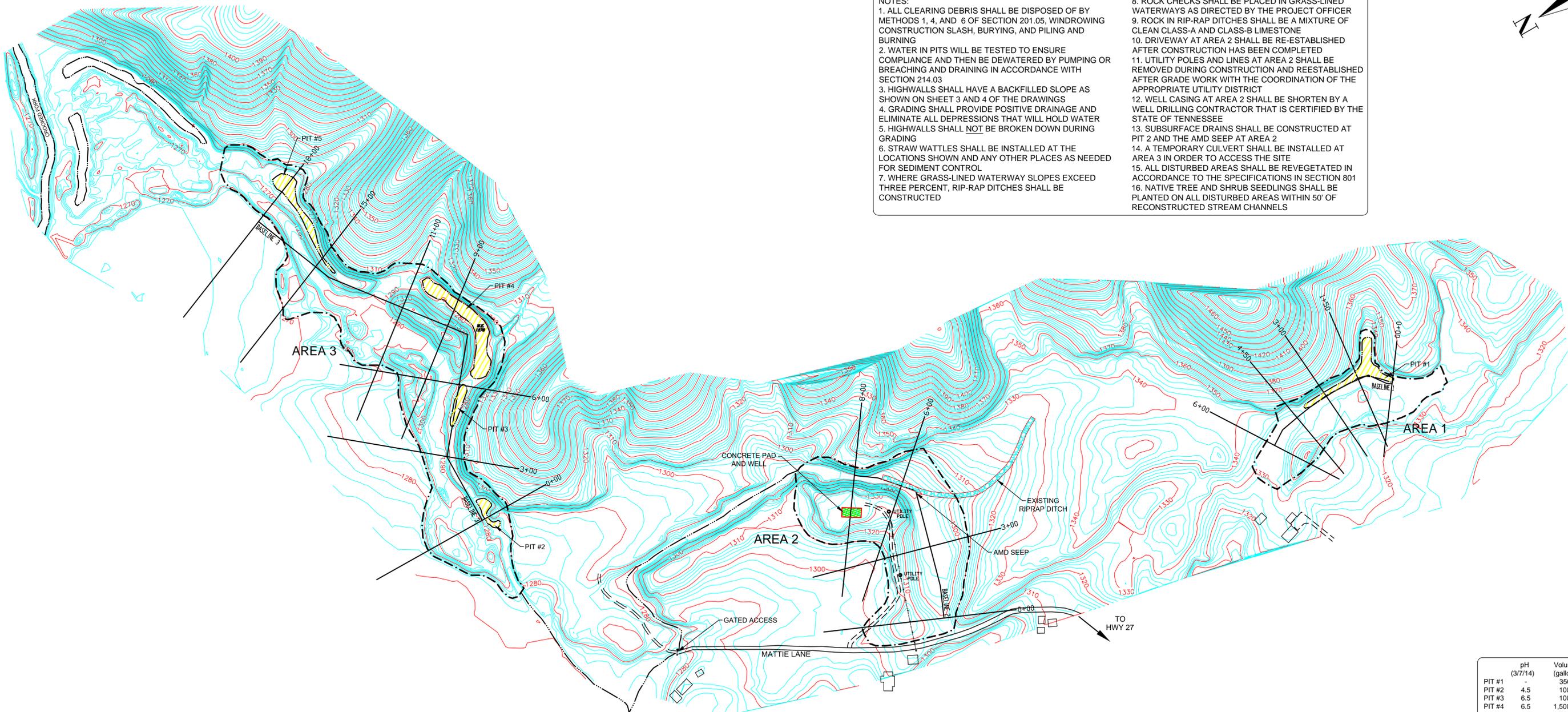
MOSSY GROVE

RECLAMATION PROJECT

MORGAN COUNTY, TENNESSEE



- NOTES:**
1. ALL CLEARING DEBRIS SHALL BE DISPOSED OF BY METHODS 1, 4, AND 6 OF SECTION 201.05, WINDROWING CONSTRUCTION SLASH, BURYING, AND PILING AND BURNING
 2. WATER IN PITS WILL BE TESTED TO ENSURE COMPLIANCE AND THEN BE DEWATERED BY PUMPING OR BREACHING AND DRAINING IN ACCORDANCE WITH SECTION 214.03
 3. HIGHWALLS SHALL HAVE A BACKFILLED SLOPE AS SHOWN ON SHEET 3 AND 4 OF THE DRAWINGS
 4. GRADING SHALL PROVIDE POSITIVE DRAINAGE AND ELIMINATE ALL DEPRESSIONS THAT WILL HOLD WATER
 5. HIGHWALLS SHALL NOT BE BROKEN DOWN DURING GRADING
 6. STRAW WATTLES SHALL BE INSTALLED AT THE LOCATIONS SHOWN AND ANY OTHER PLACES AS NEEDED FOR SEDIMENT CONTROL
 7. WHERE GRASS-LINED WATERWAY SLOPES EXCEED THREE PERCENT, RIP-RAP DITCHES SHALL BE CONSTRUCTED
 8. ROCK CHECKS SHALL BE PLACED IN GRASS-LINED WATERWAYS AS DIRECTED BY THE PROJECT OFFICER
 9. ROCK IN RIP-RAP DITCHES SHALL BE A MIXTURE OF CLEAN CLASS-A AND CLASS-B LIMESTONE
 10. DRIVEWAY AT AREA 2 SHALL BE RE-ESTABLISHED AFTER CONSTRUCTION HAS BEEN COMPLETED
 11. UTILITY POLES AND LINES AT AREA 2 SHALL BE REMOVED DURING CONSTRUCTION AND REESTABLISHED AFTER GRADE WORK WITH THE COORDINATION OF THE APPROPRIATE UTILITY DISTRICT
 12. WELL CASING AT AREA 2 SHALL BE SHORTEN BY A WELL DRILLING CONTRACTOR THAT IS CERTIFIED BY THE STATE OF TENNESSEE
 13. SUBSURFACE DRAINS SHALL BE CONSTRUCTED AT PIT 2 AND THE AMD SEEP AT AREA 2
 14. A TEMPORARY CULVERT SHALL BE INSTALLED AT AREA 3 IN ORDER TO ACCESS THE SITE
 15. ALL DISTURBED AREAS SHALL BE REVEGETATED IN ACCORDANCE TO THE SPECIFICATIONS IN SECTION 801
 16. NATIVE TREE AND SHRUB SEEDLINGS SHALL BE PLANTED ON ALL DISTURBED AREAS WITHIN 50' OF RECONSTRUCTED STREAM CHANNELS



MOSSY GROVE PLAN VIEW

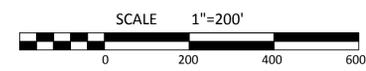
LEGEND

- WORK LIMITS
- STREAMLINE
- WATER-FILLED PIT
- PAVED ROAD
- UNPAVED ROAD
- X-X-X- SILT FENCE
- RIP-RAPPED DITCH
- POWERLINE

	pH (3/7/14)	Volume (gallons)
PIT #1	-	350,000
PIT #2	4.5	100,000
PIT #3	6.5	100,000
PIT #4	6.5	1,500,000
PIT #5	4.5	800,000

* ALL WATER WILL BE CHECKED TO INSURE IT IS IN COMPLIANCE BEFORE DEWATERING CAN BEGIN
 * WATER IN PITS 2 & 5 WILL BE TREATED BEFORE DEWATERING
 * THE CONTRACTOR IS TO SUBMIT THE ANALYTICAL RESULTS WITH THEIR PLAN OF TREATMENT PRIOR TO STARTING DEWATERING
 * WATER IN ALL PITS WILL BE PUMPED OR DRAINED PRIOR TO BACKFILLING

AREA	ACRES	YARDAGE (yd ³)
AREA 1	4.1	15,000
AREA 2	8.2	95,000
AREA 3	15.1	125,000

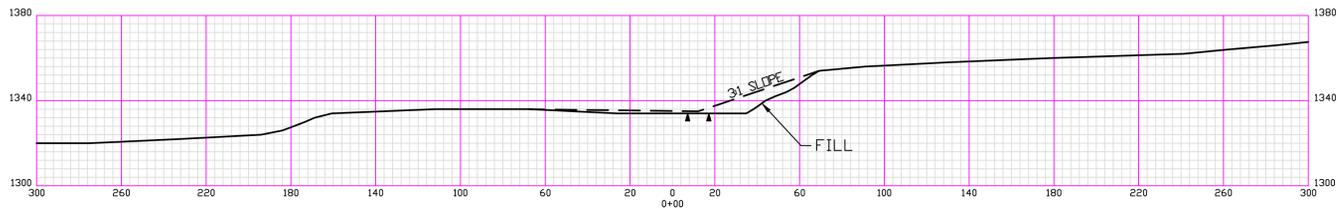
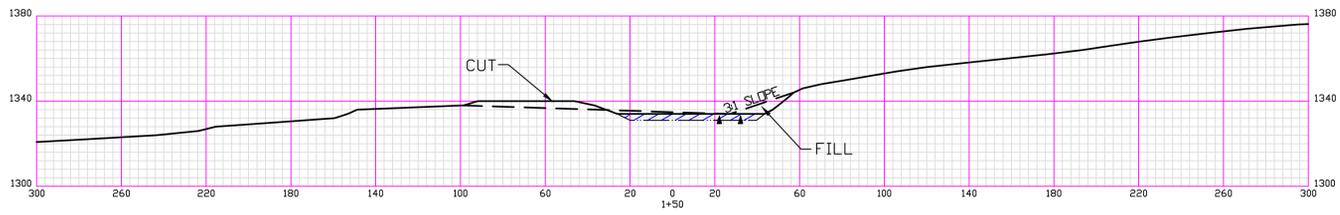
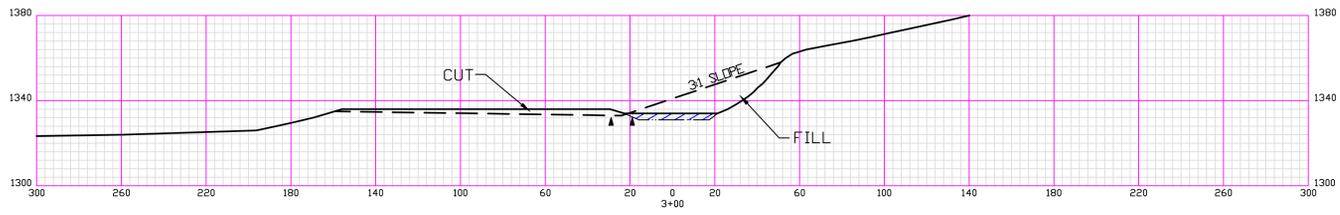
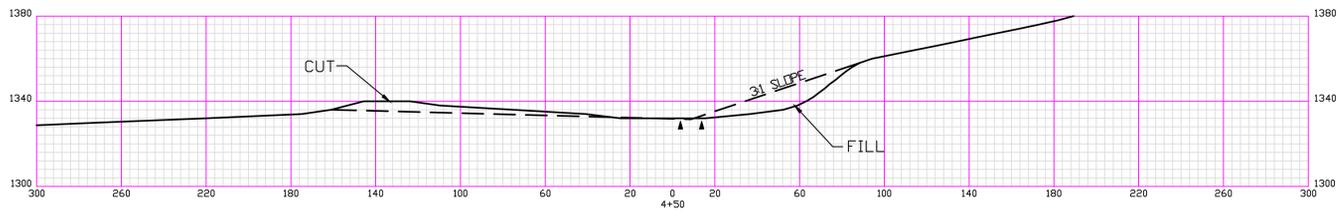
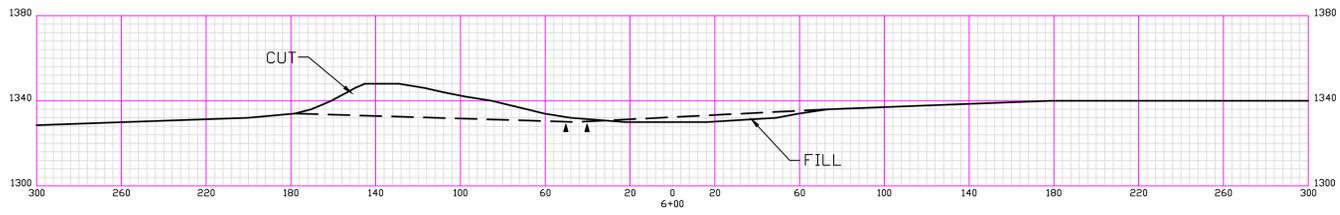


TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION LAND RECLAMATION SECTION

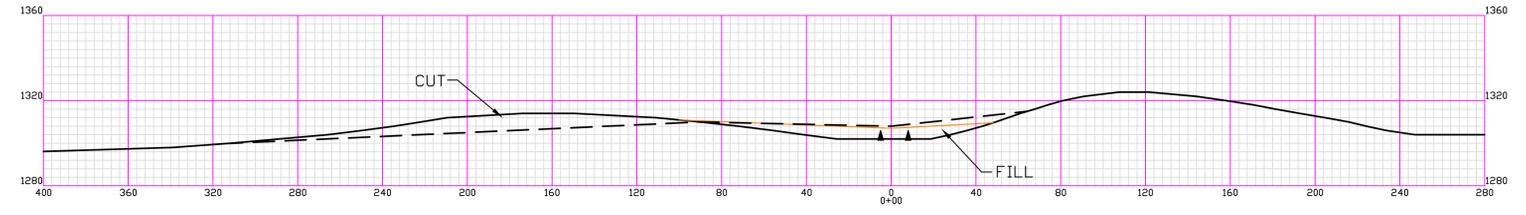
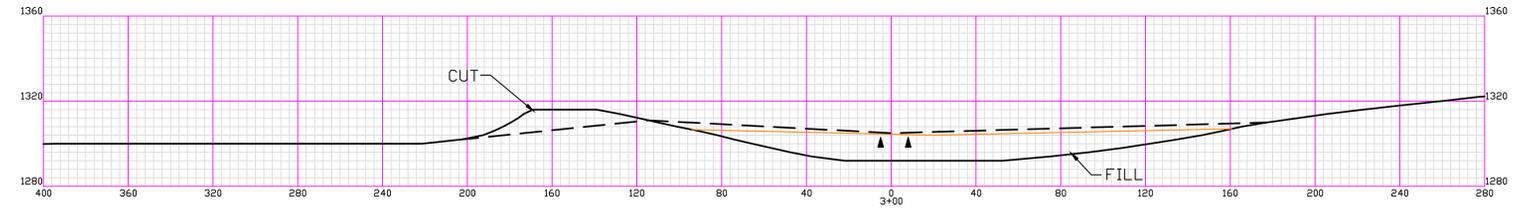
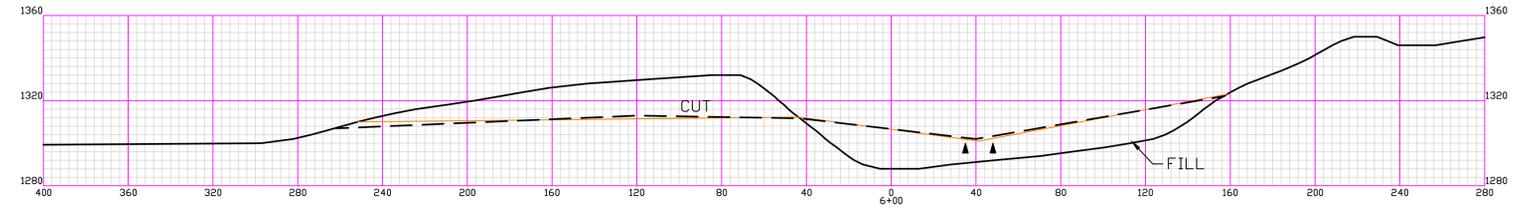
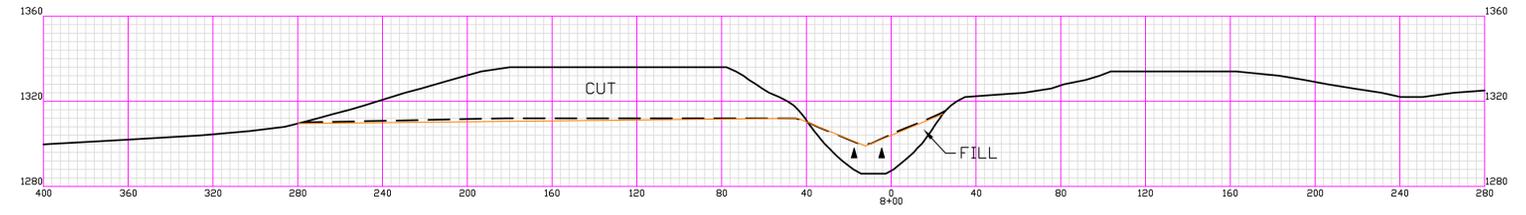
MOSSY GROVE RECLAMATION PROJECT

PLAN VIEW

DRAWN BY: MPP DATE: 1/6/2016	SURVEYED BY: DATE:	DESIGNED BY: MPP DATE: 8/3/2015
CHECKED BY: BEE DATE: 2/14/2016	SCALE 1" = 200'	SHEET 1 OF 6



BASELINE 1

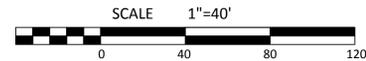


BASELINE 2

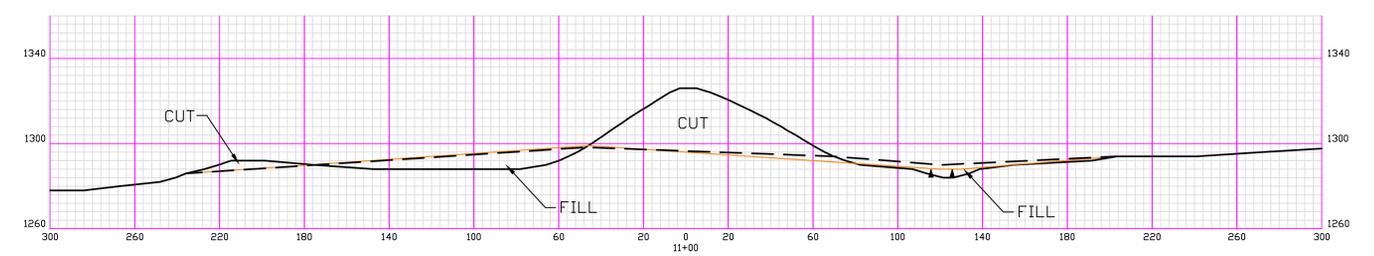
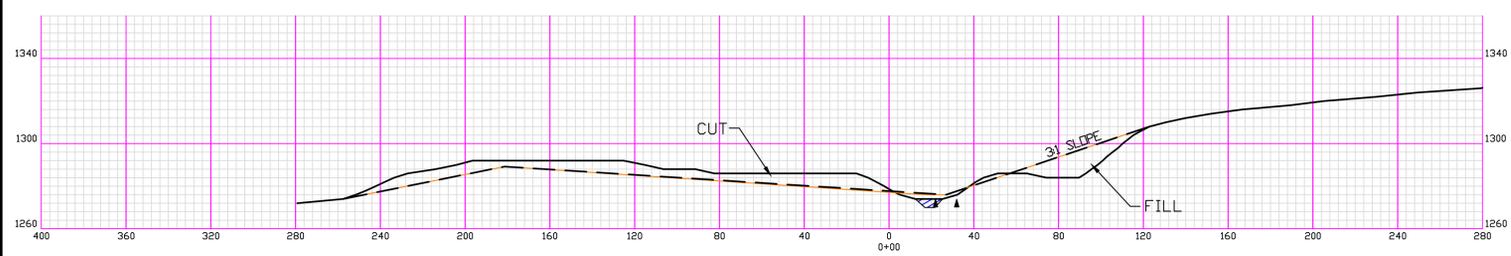
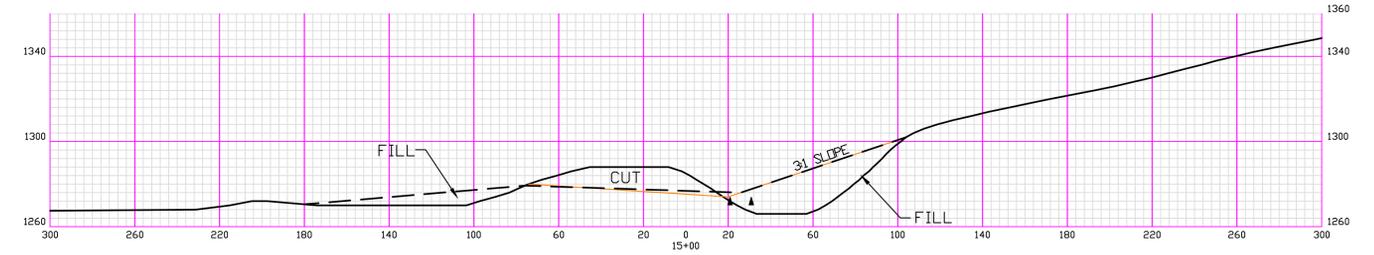
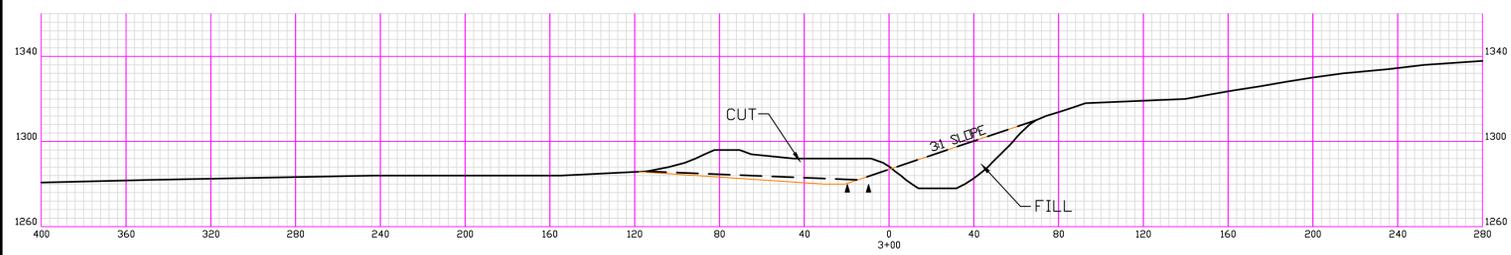
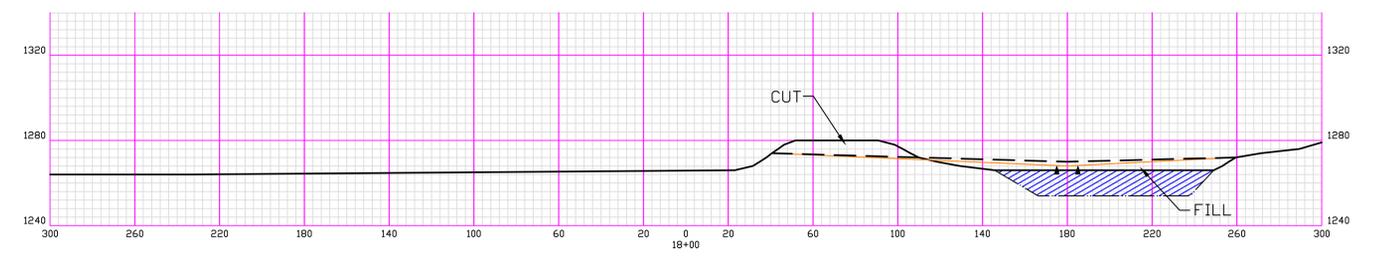
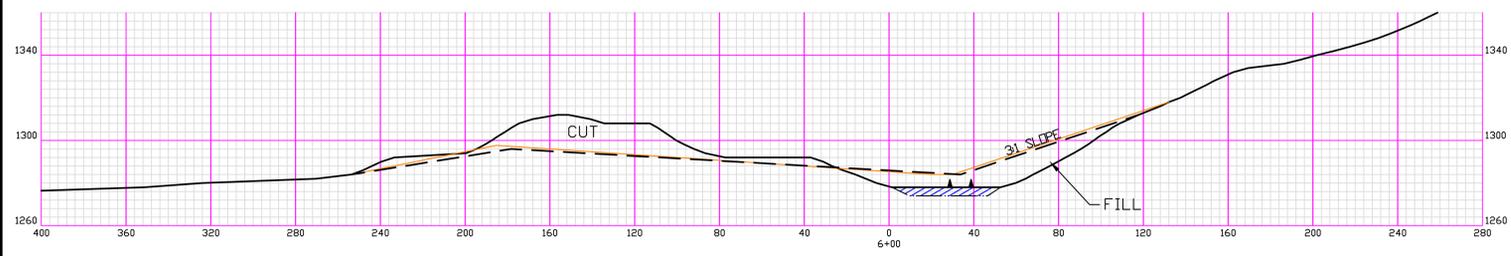
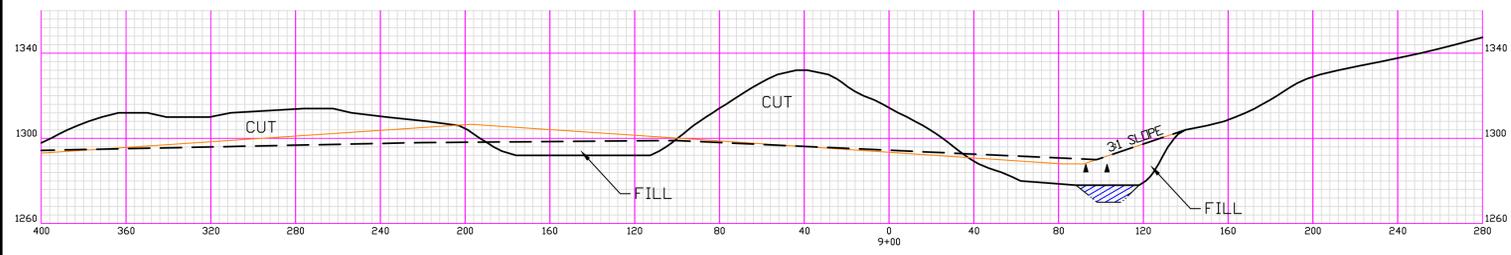
MOSSY GROVE TYPICAL SECTIONS BASELINE 1 & 2

LEGEND

- ORIGINAL GROUND
- - - PROPOSED GRADE
- ▨ WATER-FILLED PIT
- ▲- GRASS-LINED WATERWAY



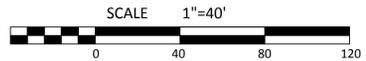
ENTITY PROJECT	TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION LAND RECLAMATION SECTION		
	MOSSY GROVE RECLAMATION PROJECT		
	TYPICAL SECTIONS - BASELINE 1 & 2		
DWG BY	DRAWN BY: MPP DATE: 1/6/2016	SURVEYED BY: DATE:	DESIGNED BY: MPP DATE: 8/3/2015
	CHECKED BY: BEE DATE: 2/14/2016	SCALE 1" = 40'	SHEET 3 OF 6



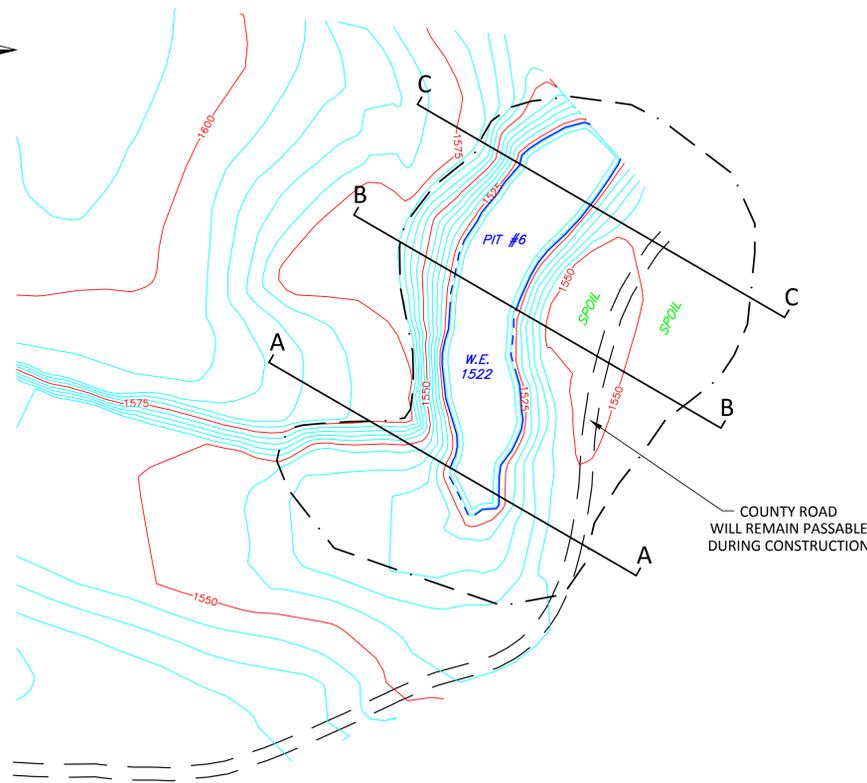
MOSSY GROVE TYPICAL SECTIONS BASELINE 3

LEGEND

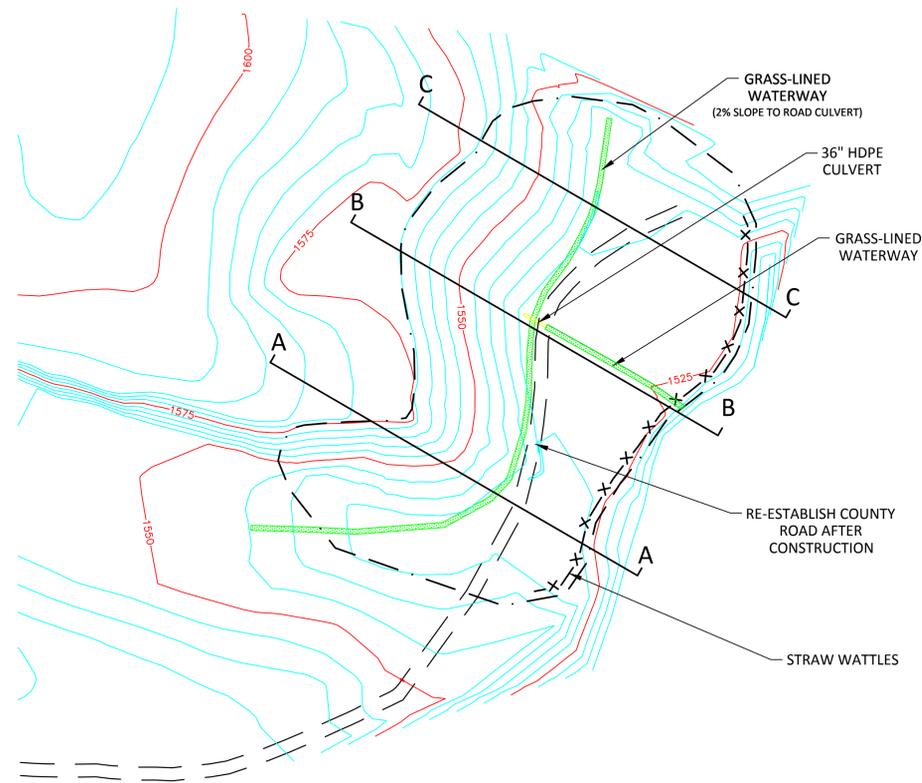
- ORIGINAL GROUND
- - - PROPOSED GRADE
- ▨ WATER-FILLED PIT
- ▲ GRASS-LINED WATERWAY



ENTITY	TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION LAND RECLAMATION SECTION		
PROJECT	MOSSY GROVE RECLAMATION PROJECT		
	TYPICAL SECTIONS - BASELINE 3		
DWG BY	DRAWN BY: MPP DATE: 1/6/2016	SURVEYED BY: DATE:	DESIGNED BY: MPP DATE: 8/3/2015
	CHECKED BY: BEE DATE: 2/14/2016	SCALE 1" = 40'	SHEET 4 OF 6

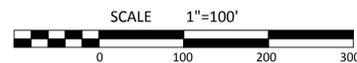


BEFORE

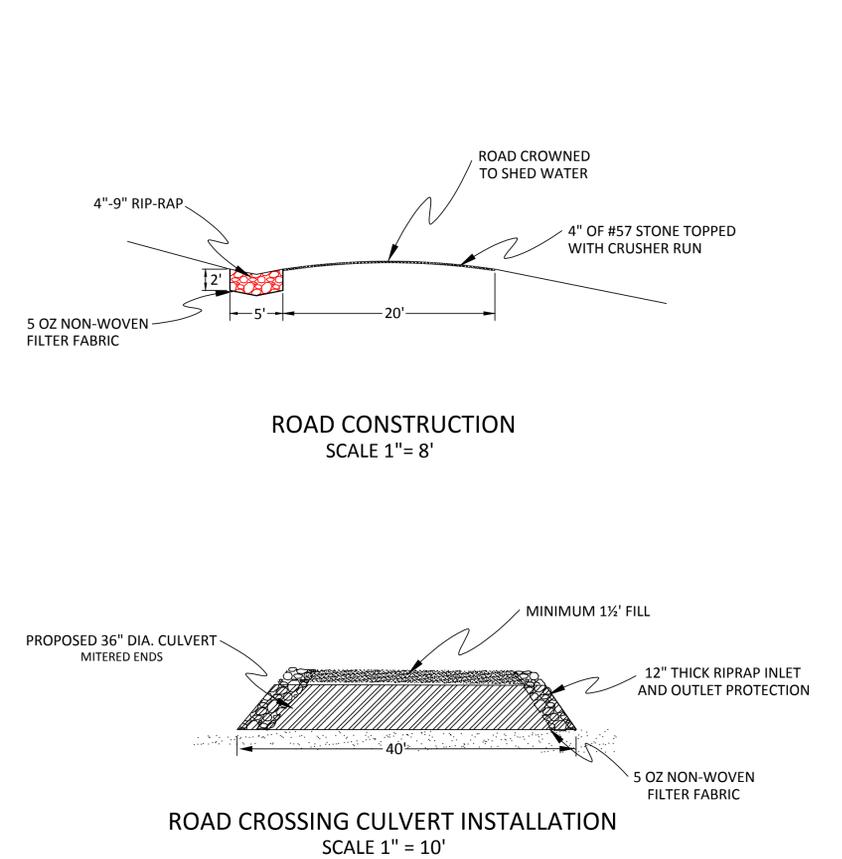


FINAL

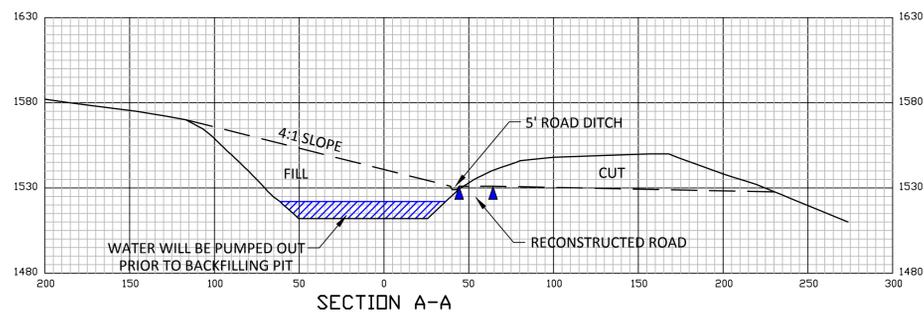
- NOTES:**
1. ALL CLEARING DEBRIS SHALL BE DISPOSED OF BY METHODS 1, 4, AND 6 OF SECTION 201.05, WINDROWING CONSTRUCTION SLASH, BURYING, AND PILING AND BURNING
 2. WATER IN PITS WILL BE TESTED TO ENSURE COMPLIANCE AND THEN BE DEWATERED BY PUMPING OR BREACHING AND DRAINING IN ACCORDANCE WITH SECTION 214.03
 3. HIGHWALLS SHALL HAVE A BACKFILLED SLOPE OF 4:1 OR FLATTER
 4. GRADING SHALL PROVIDE POSITIVE DRAINAGE AND ELIMINATE ALL DEPRESSIONS THAT WILL HOLD WATER
 5. HIGHWALLS SHALL NOT BE BROKEN DOWN DURING GRADING
 6. STRAW WATTLES SHALL BE INSTALLED AT THE LOCATIONS SHOWN AND ANY OTHER PLACES AS NEEDED FOR SEDIMENT CONTROL
 7. WHERE GRASS-LINED WATERWAY SLOPES EXCEED THREE PERCENT, RIP-RAP DITCHES SHALL BE CONSTRUCTED
 8. ROCK CHECKS SHALL BE PLACED IN GRASS-LINED WATERWAYS AS DIRECTED BY THE PROJECT OFFICER
 9. ROCK IN RIP-RAP DITCHES SHALL BE A MIXTURE OF CLEAN CLASS-A AND CLASS-B LIMESTONE
 10. COUNTY ROAD SHALL BE RE-ESTABLISHED AFTER CONSTRUCTION HAS BEEN COMPLETED
 11. A 36" CULVERT SHALL BE INSTALLED UNDER THE COUNTY ROAD
 12. ALL DISTURBED AREAS SHALL BE REVEGETATED IN ACCORDANCE TO THE SPECIFICATIONS IN SECTION 801



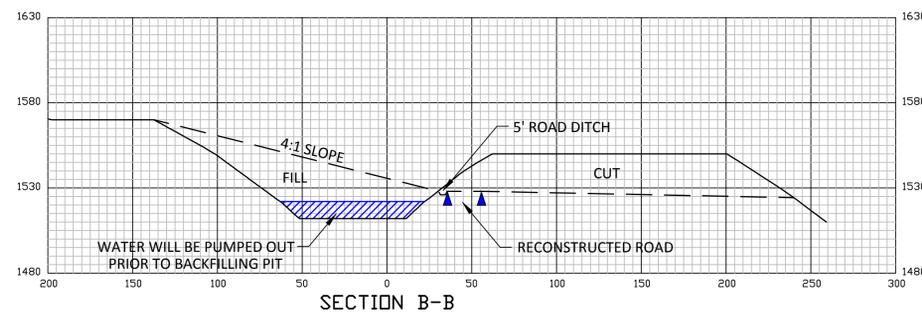
- LEGEND**
- WORK LIMITS
 - WATER-FILLED PIT
 - UNPAVED ROAD
 - X-X-X- SILT FENCE
 - RIP-RAPPED DITCH



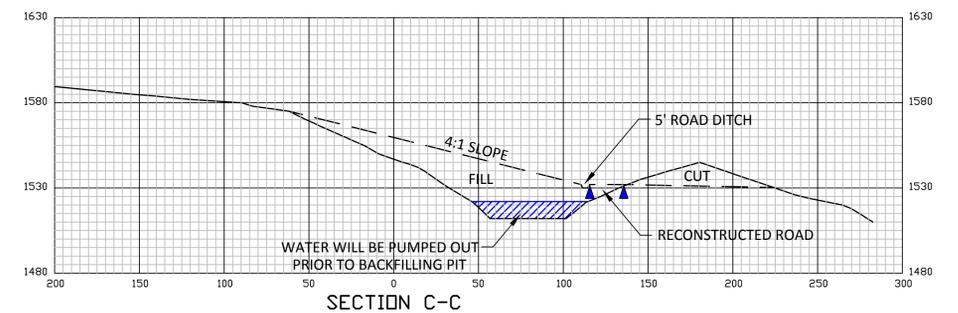
ROAD CROSSING CULVERT INSTALLATION
SCALE 1" = 10'



SECTION A-A



SECTION B-B



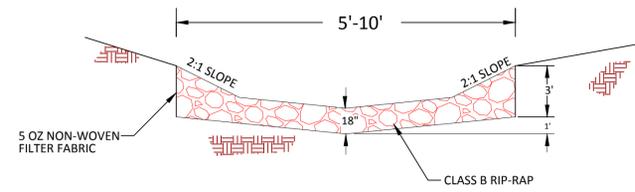
SECTION C-C

- LEGEND**
- ORIGINAL GRADE
 - PROPOSED GRADE
 - CONSTRUCTED ROAD
 - WATER-FILLED PIT

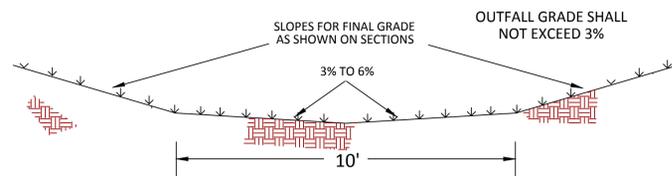
CATOOSA SITE



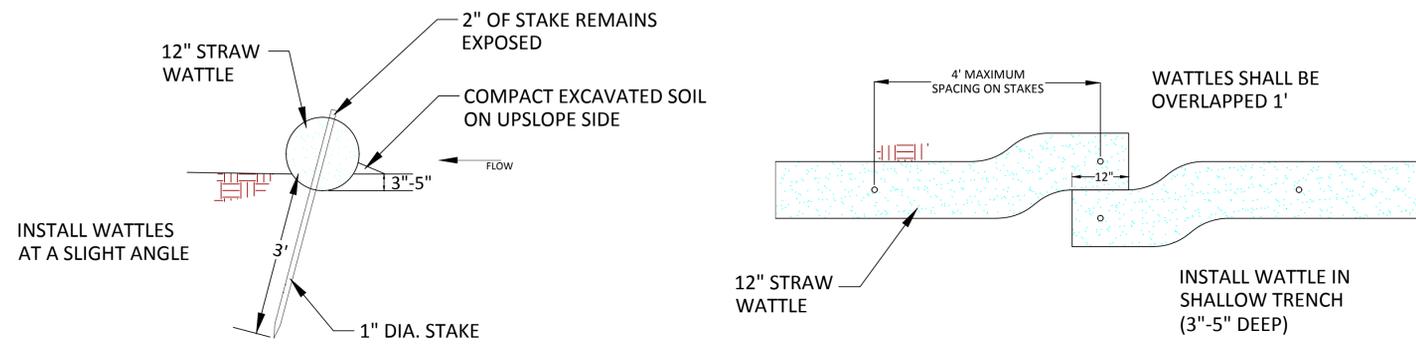
ENTITY	TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION LAND RECLAMATION SECTION		
	MOSSY GROVE RECLAMATION PROJECT		
PROJECT	CATOOSA SITE		
	DRAWN BY: MPP DATE: 1/1/2016	SURVEYED BY: DATE:	DESIGNED BY: MPP, RJE DATE: 12/28/2015
DATE	CHECKED BY: RJE DATE: 2/14/2016	SCALE AS SHOWN	SHEET 5 OF 6



RIP-RAP DIVERSION DITCH SECTION
NOT TO SCALE



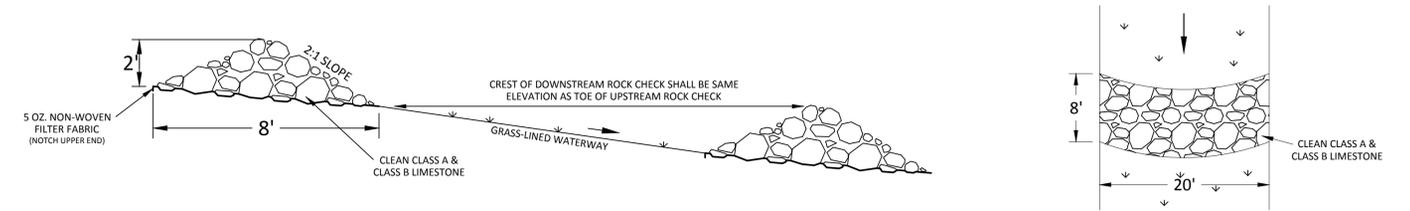
TYPICAL GRASSED WATERWAY
NOT TO SCALE



SIDE VIEW

TOP VIEW

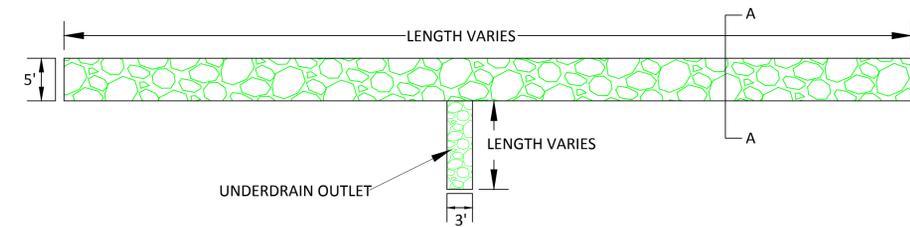
STRAW WATTLE DETAIL
NOT TO SCALE



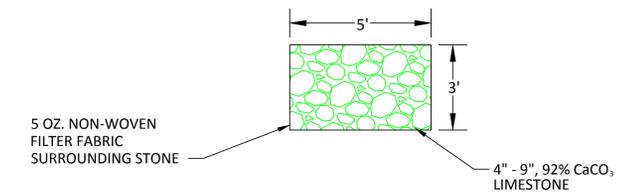
SIDE VIEW
SCALE 1"=3'

TOP VIEW
SCALE 1"=10'

ROCK CHECK DETAIL



SUB-SURFACE DRAIN - PLAN VIEW
NOT TO SCALE



SUB-SURFACE DRAIN - SECTION A-A
NOT TO SCALE

ENTITY	TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION LAND RECLAMATION SECTION		
PROJECT	MOSSY GROVE RECLAMATION PROJECT		
	MISC. DETAILS		
DWG BY	DRAWN BY: MPP DATE: 1/7/2016	SURVEYED BY: DATE:	DESIGNED BY: MPP DATE: 1/23/2015
	CHECKED BY: BEE DATE: 2/14/2016	SCALE AS SHOWN	SHEET 6 OF 6