TENNESSEE DEPARTMENT OF ENVIRONMENT & CONSERVATION

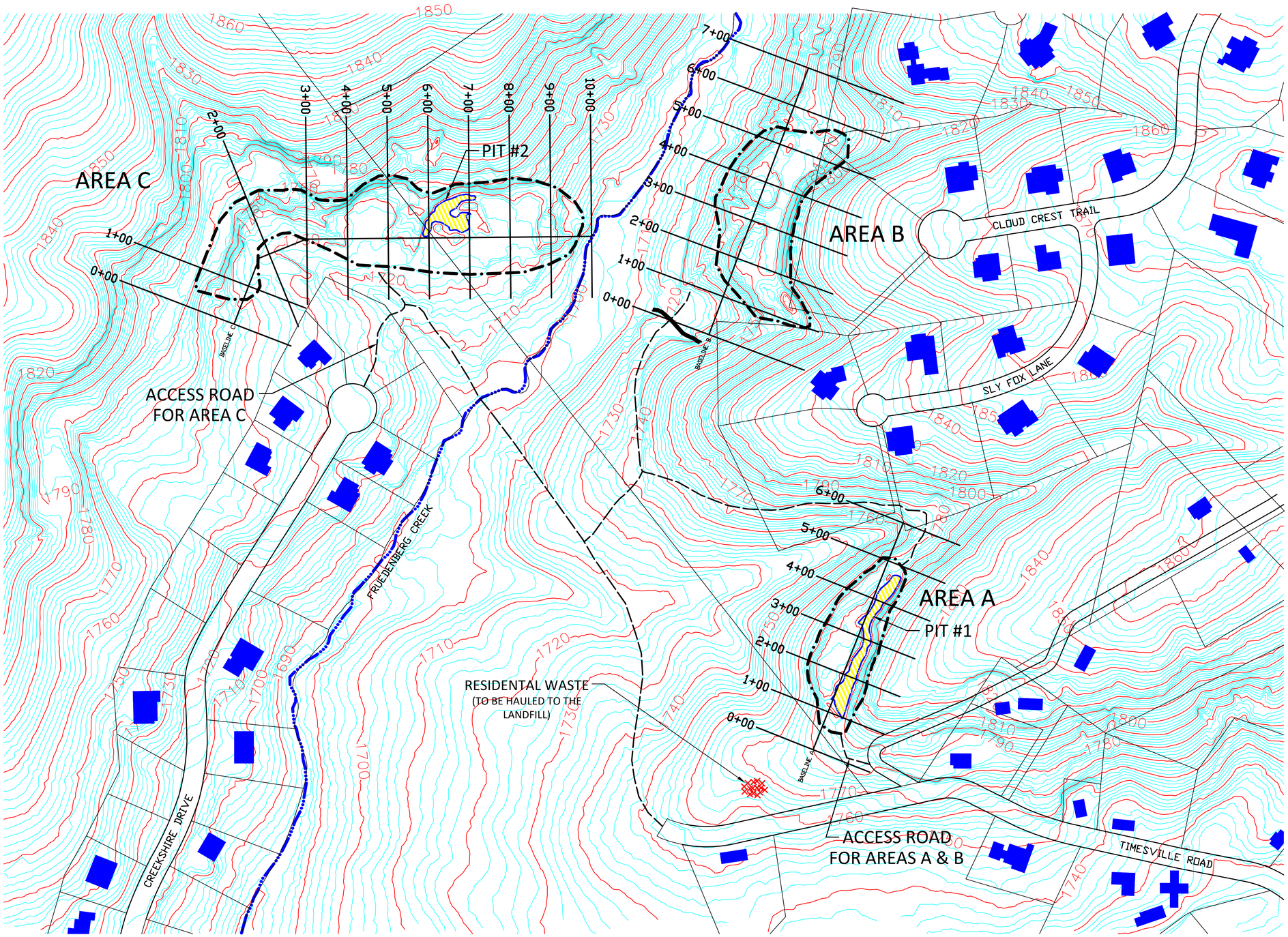
LAND RECLAMATION SECTION

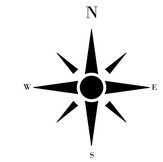
CONSTRUCTION PLANS

TIMESVILLE

RECLAMATION PROJECT

HAMILTON COUNTY, TENNESSEE





NOTES:

1. ALL CLEARING DEBRIS SHALL BE TREATED ACCORDING TO METHODS 1, 4, AND 5 OF SECTION 201.05, WINDROWING CONSTRUCTION SLASH, BURYING, AND CHIPPING.
2. A THREE (3) FOOT TALL BERM OF CHIPPED DEBRIS SHALL BE PLACED AT THE TOE OF THE SPOIL TO AID IN SEDIMENT CONTROL
3. WATER IN PIT SHALL BE TESTED TO ENSURE COMPLIANCE WITH WATER QUALITY STANDARDS
4. WATER THAT CANNOT BE SAFELY ABSORBED SHALL BE PUMPED OR DRAINED IN ACCORDANCE WITH SECTION 214.03
5. HIGHWALLS SHALL HAVE A 3:1 OR FLATTER SLOPE, THE SLOPES AS SHOWN ON SHEETS 3 - 5 OF THE DRAWINGS
6. BACKFILLED HIGHWALLS SHALL BE TRACKED AFTER GRADE WORK IS COMPLETE TO AID IN SEDIMENT CONTROL
7. GRADING SHALL PROVIDE POSITIVE DRAINAGE AND ELIMINATE ALL DEPRESSIONS THAT WILL HOLD WATER
8. STRAW WATTLES SHALL BE INSTALLED AT THE TOE OF THE SPOIL PROMPTLY AS GRADE WORK IS COMPLETED AND AT ANY OTHER PLACES AS NEEDED FOR SEDIMENT CONTROL
9. TWO RIP-RAP CHANNELS SHALL BE CONSTRUCTED AT THE LOCATIONS SHOWN
10. RIP-RAP CHANNELS SHALL BE 8' WIDE AND 1½' DEEP
11. ROCK IN RIP-RAP CHANNELS SHALL BE A MIXTURE OF CLEAN CLASS-A AND CLASS-B LIMESTONE
12. TREE AND SHRUB SEEDLINGS WILL BE PLANTED ON 50' OF BOTH SIDES OF THE RIP-RAP CHANNELS
13. ONE 5' BY 2' ANOXIC LIMESTONE DRAIN SHALL BE CONSTRUCTED AT AREA B
14. ROCK IN SUBSURFACE DRAIN SHALL BE A CLEAN 4" TO 9" HIGH CALCIUM LIMESTONE
15. ADDITIONAL RIP-RAP CHANNELS AND SUBSURFACE DRAINS MAY BE REQUIRED AS DETERMINE BY THE PROJECT OFFICER
16. ALL DISTURBED AREAS SHALL BE REVEGETATED IN ACCORDANCE TO THE SPECIFICATIONS IN SECTION 801.0

ESTIMATED QUANTITIES

AREA A	1.2	ACRES
AREA B	2.5	ACRES
AREA C	4.0	ACRES
TOTAL	7.7	ACRES

YARDAGE

AREA A	5,000 CUT	5,000 FILL
AREA B	11,000 CUT	15,000 FILL
AREA C	12,000 CUT	10,000 FILL
TOTAL	28,000 CUT	30,000 FILL

LEGEND

- WORK LIMITS
- ROAD
- TRAIL
- STREAMLINE
- WATER-FILLED PIT
- STRAW WATTLES

TIMESVILLE RECLAMATION PROJECT

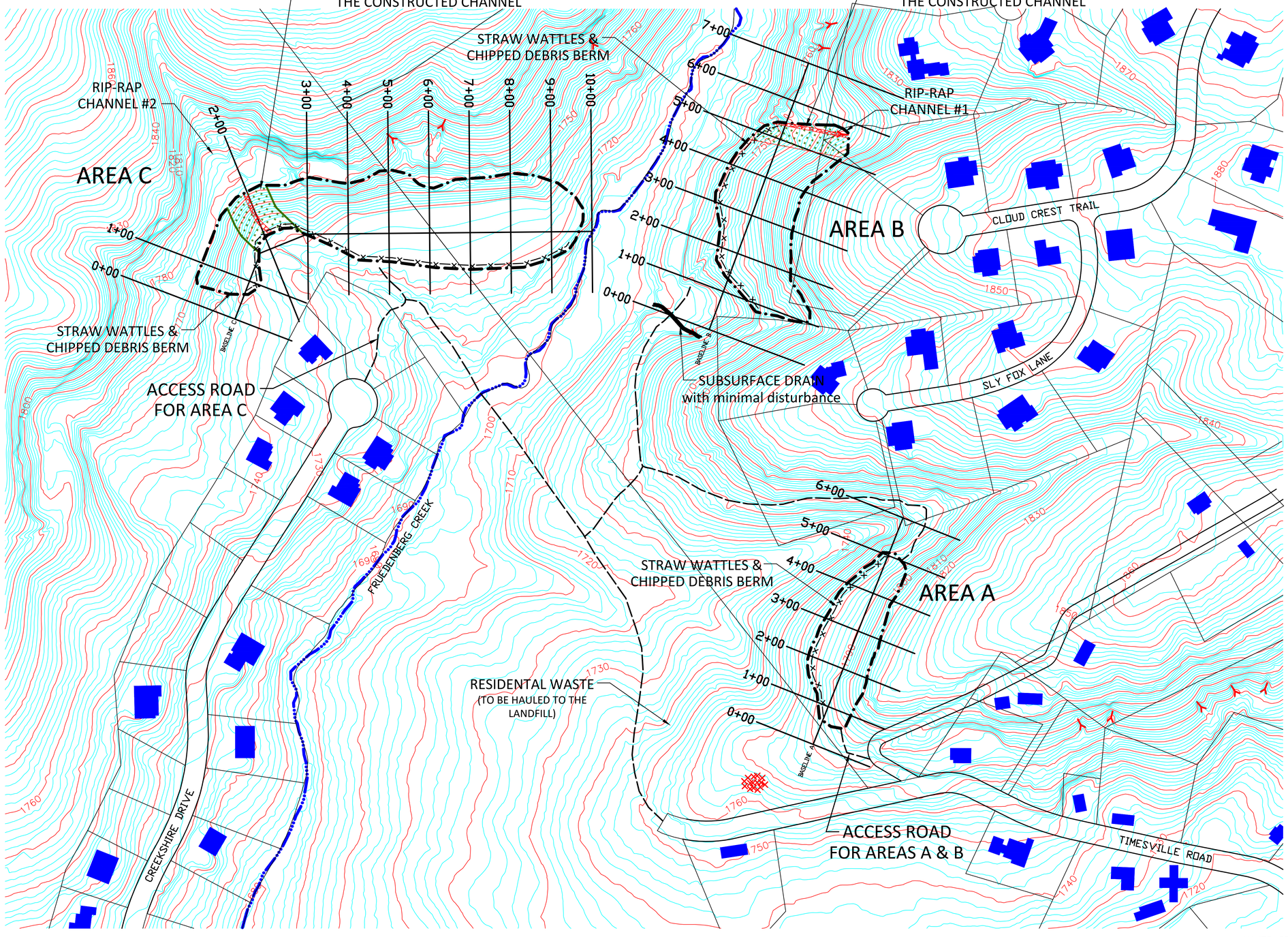
PLAN VIEW

MAJOR CONTOURS - 10 FEET
MINOR COUNTOURS - 2 FEET

SCALE 1"=120'

0 120 240 360

ENTITY	TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION LAND RECLAMATION SECTION		
PROJECT	TIMESVILLE RECLAMATION PROJECT		
	PLAN VIEW		
BY	DRAWN BY: MPP DATE: 12/10/2019	SURVEYED BY: DATE:	DESIGNED BY: MPP DATE: 12/7/2019
DWG	CHECKED BY: BEE DATE: 12/19/2019	SCALE 1" = 120'	SHEET 1 OF 6



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ESTIMATED QUANTITIES

AREA A	1.2	ACRES
AREA B	2.5	ACRES
AREA C	4.0	ACRES
TOTAL	7.7	ACRES

YARDAGE

AREA A	5,000 CUT	5,000 FILL
AREA B	13,000 CUT	12,000 FILL
AREA C	13,000 CUT	10,000 FILL
TOTAL	31,000 CUT	27,000 FILL

LEGEND

- WORK LIMITS
- ROAD
- TRAIL
- STREAMLINE
- WATER-FILLED PIT
- STRAW WATTLES

TIMESVILLE RECLAMATION PROJECT

FINAL VIEW

MAJOR CONTOURS - 10 FEET
MINOR COUNTOURS - 2 FEET

SCALE 1"=120'

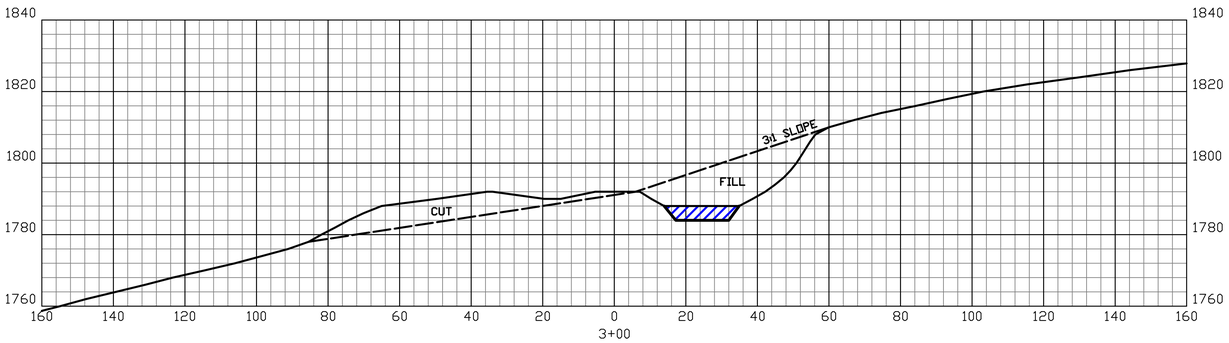
0 120 240 360

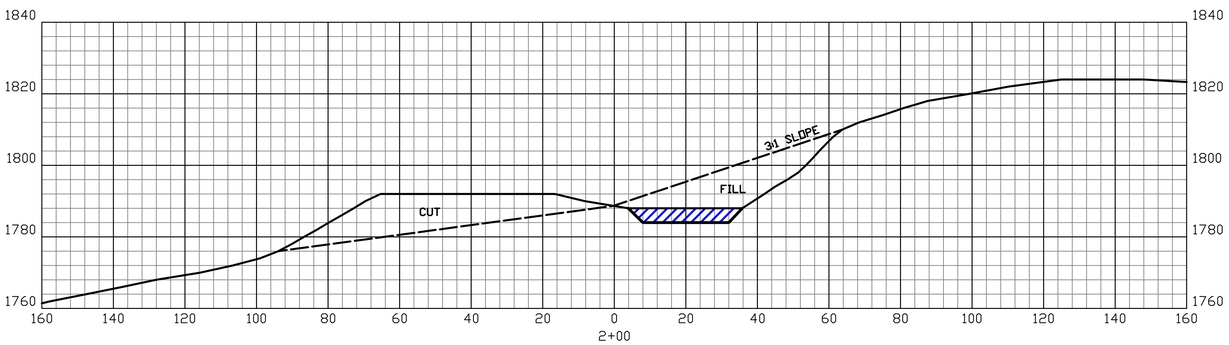
ENTITY: TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION LAND RECLAMATION SECTION

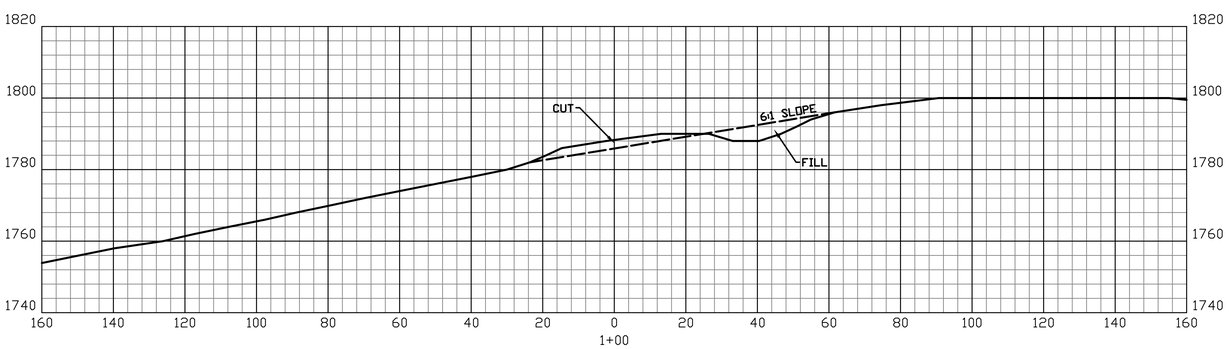
PROJECT: TIMESVILLE RECLAMATION PROJECT

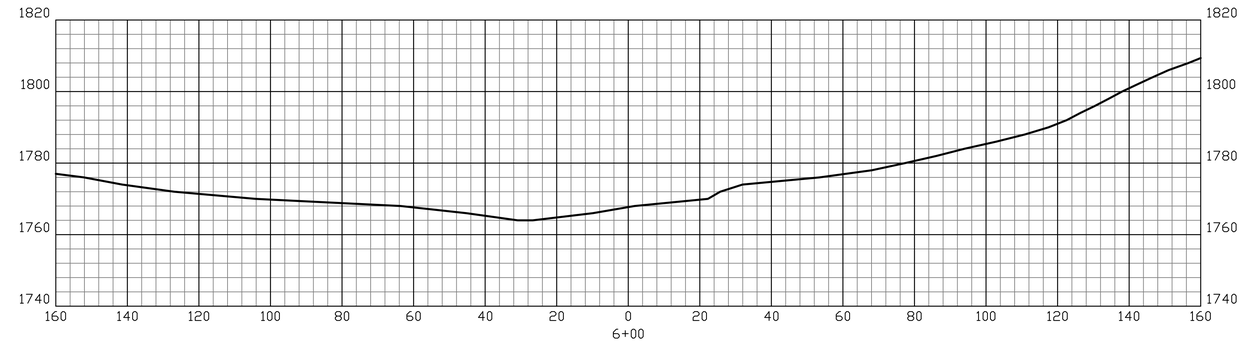
FINAL VIEW

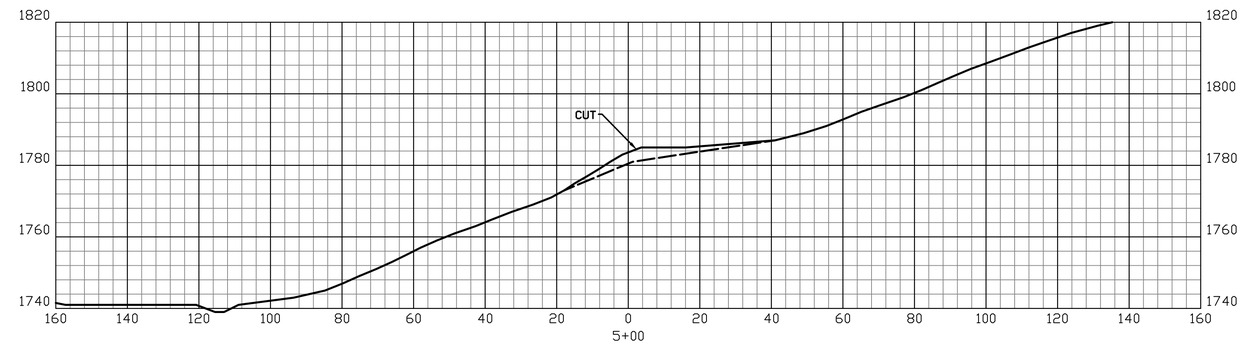
BY			
	DRAWN BY: MPP DATE: 12/10/2019	SURVEYED BY: DATE:	DESIGNED BY: MPP DATE: 12/7/2019
DWG	CHECKED BY: BEE DATE: 12/19/2019	SCALE 1" = 120'	SHEET 2 OF 6

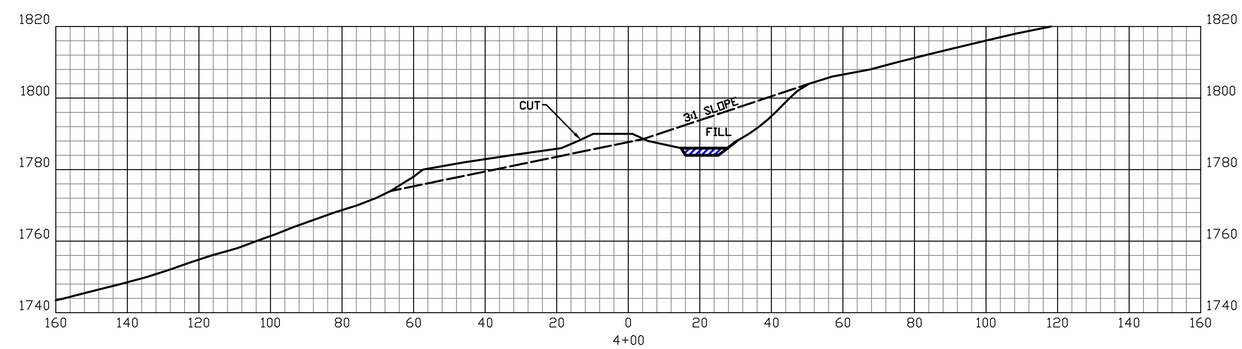












Horizontal Scale 20
Vertical Scale 20

LEGEND

- ORIGINAL GROUND
- PROPOSED GRADE
- GRASSED WATERWAY
- WATER

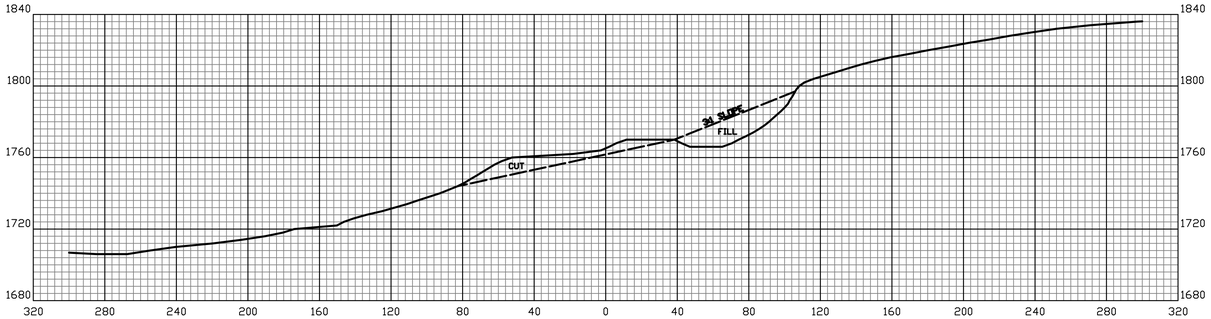
TIMESVILLE RECLAMATION PROJECT

CROSS SECTIONS - AREA A

SCALE 1"=20'

0 20 40 60

ENTITY	TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION LAND RECLAMATION SECTION		
PROJECT	TIMESVILLE RECLAMATION PROJECT		
	CROSS SECTIONS - AREA A		
BY	DRAWN BY: MPP DATE: 2/15/2019	SURVEYED BY: DATE:	DESIGNED BY: MPP DATE: 2/18/2019
DWG	CHECKED BY: BEE DATE: 3/22/2019	SCALE 1" = 20'	SHEET 3 OF 6



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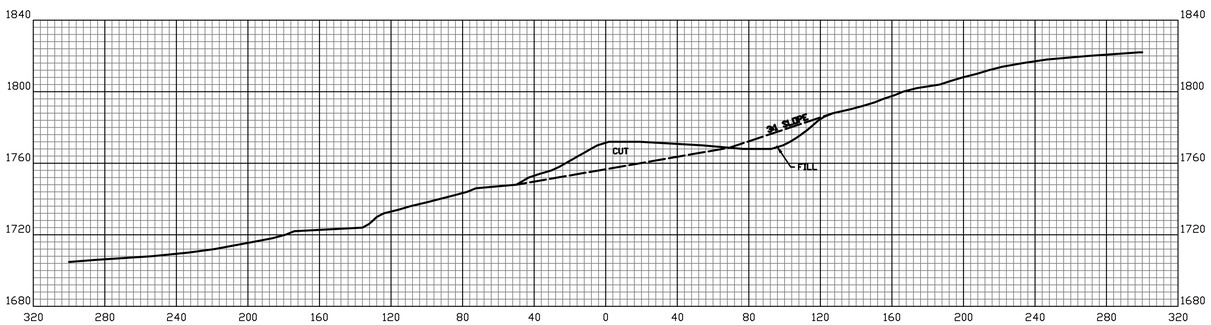

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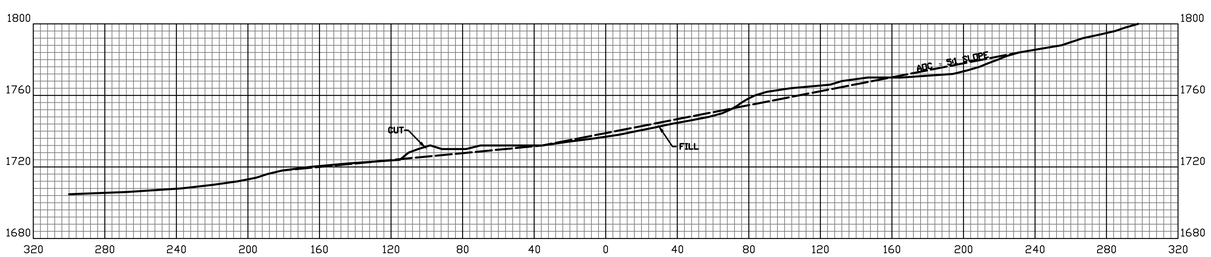

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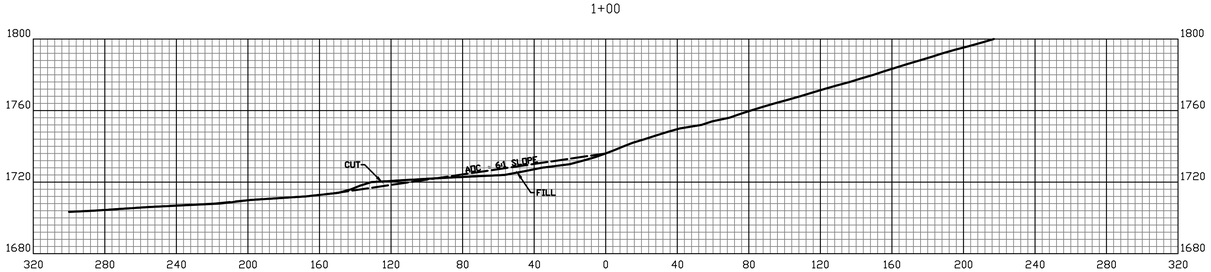

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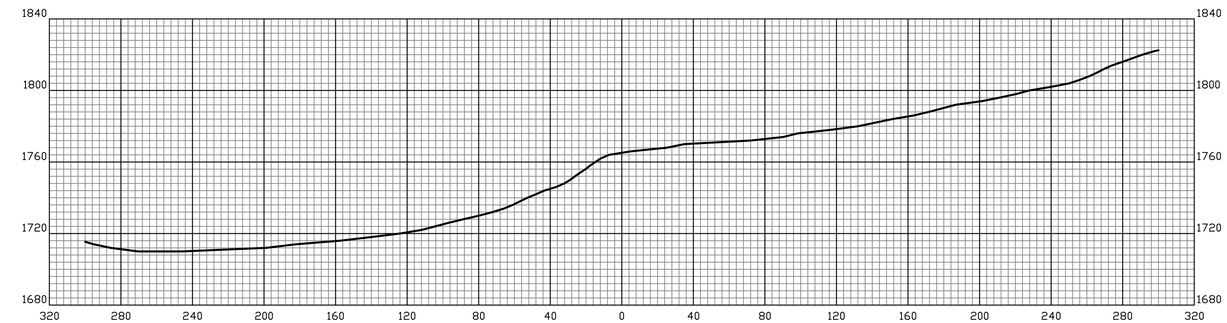

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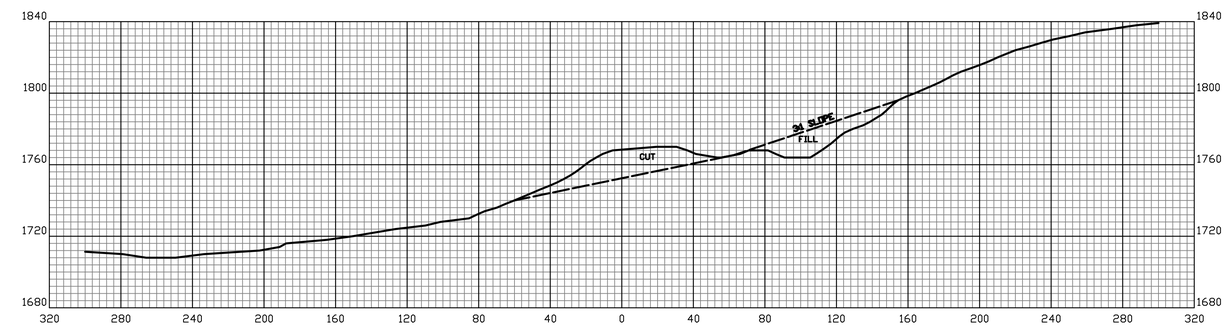

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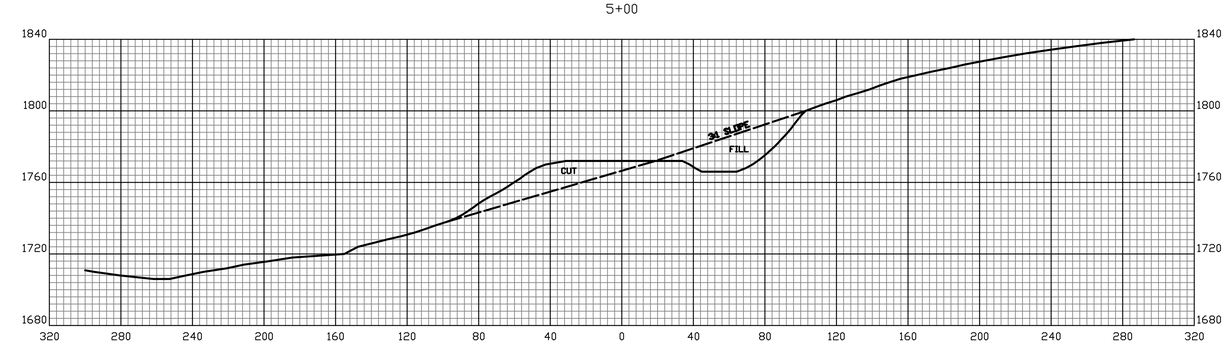


4+00

Horizontal Scale 40
Vertical Scale 40

TIMESVILLE
RECLAMATION PROJECT
CROSS SECTIONS - AREA B

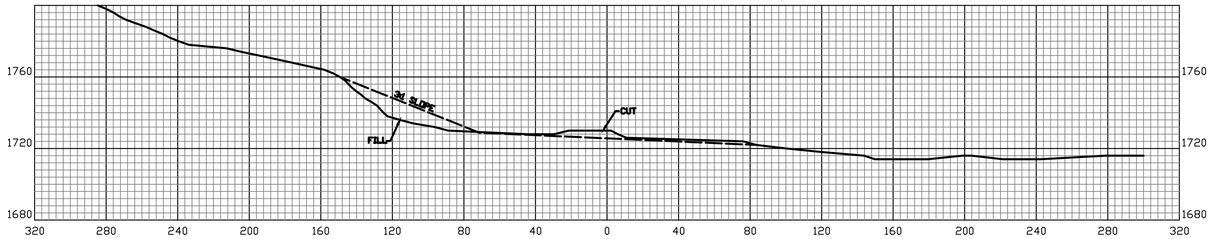
LEGEND

- ORIGINAL GROUND
- PROPOSED GRADE
- GRASSED WATERWAY
- WATER

SCALE 1"=40'

0 40 80 120

ENTITY	TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION LAND RECLAMATION SECTION		
PROJECT	TIMESVILLE RECLAMATION PROJECT		
	CROSS SECTIONS - AREA B		
BY	DRAWN BY: MPP DATE: 12/10/2019	SURVEYED BY: DATE:	DESIGNED BY: MPP DATE: 12/7/2019
DWG	CHECKED BY: BEE DATE: 12/19/2019	SCALE 1" = 40'	SHEET 4 OF 6



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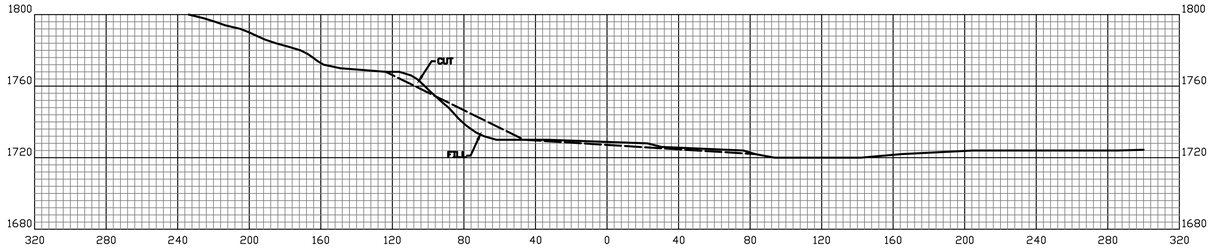

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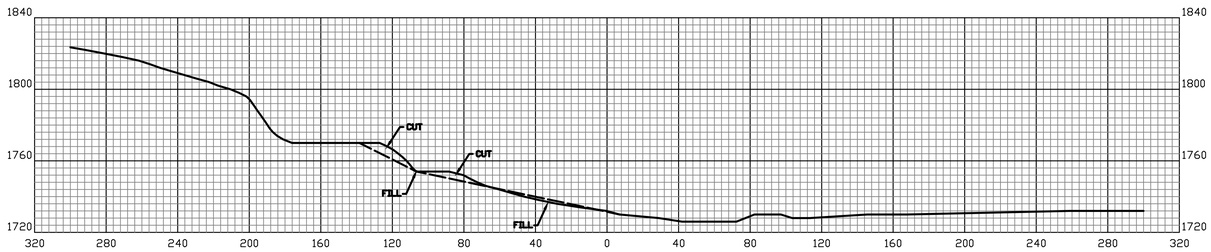

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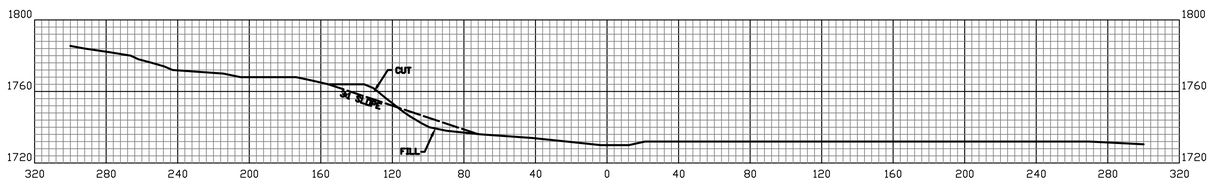

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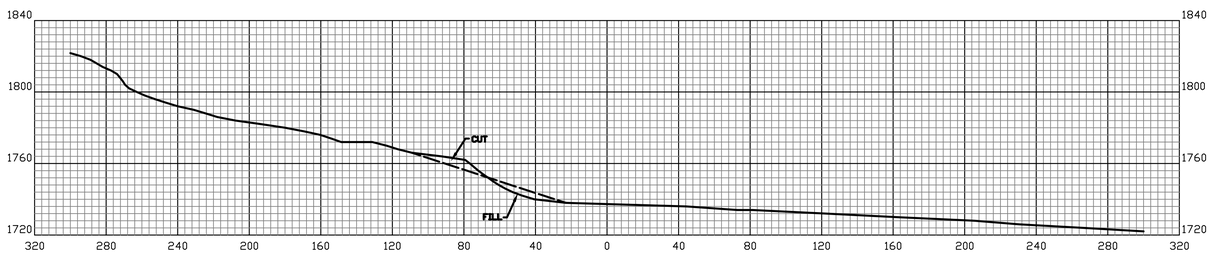

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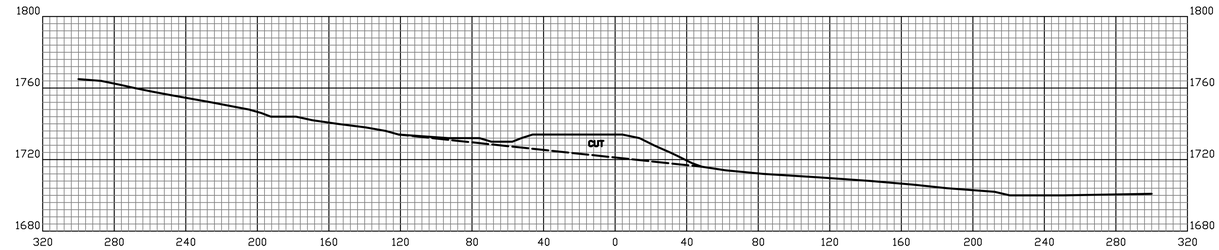

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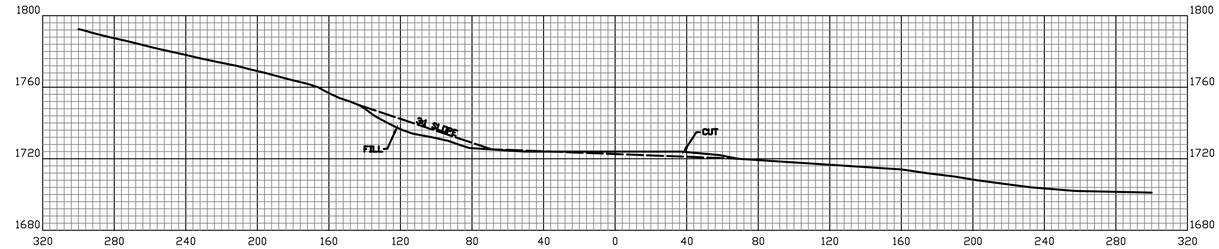

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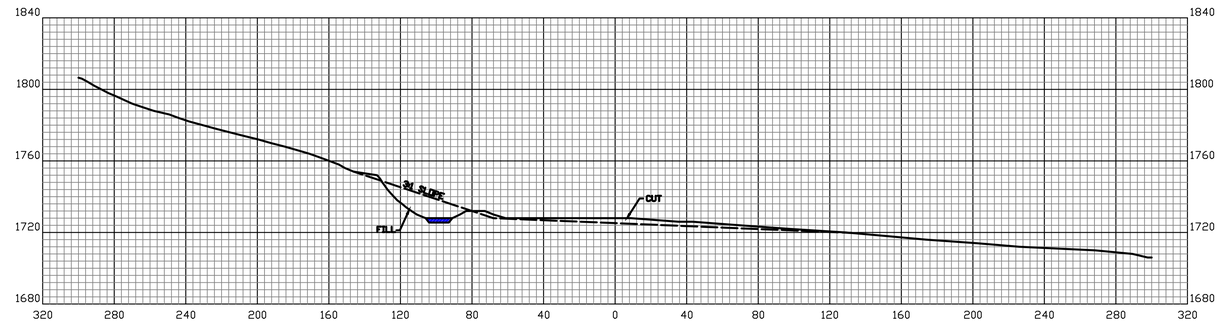

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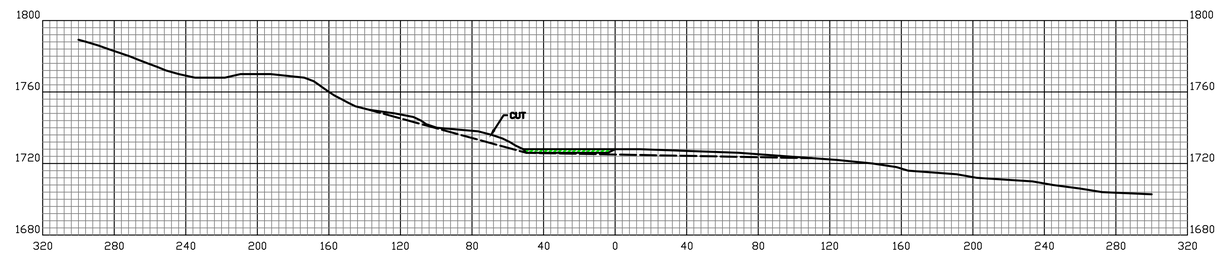


6+00

TIMESVILLE RECLAMATION PROJECT

CROSS SECTIONS - AREA C

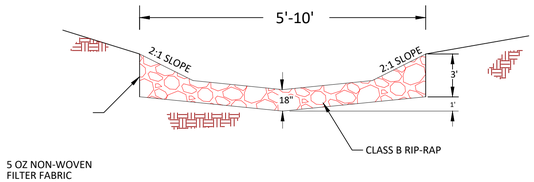
LEGEND

- ORIGINAL GROUND
- PROPOSED GRADE
- GRASSED WATERWAY
- WATER

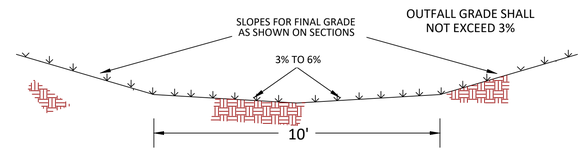
SCALE 1"=40'

0 40 80 120

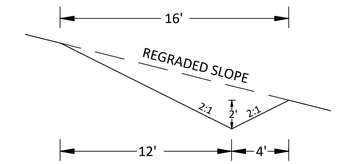
ENTITY	TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION LAND RECLAMATION SECTION		
PROJECT	TIMESVILLE RECLAMATION PROJECT		
	CROSS SECTIONS - AREA C		
BY	DRAWN BY: MPP DATE: 12/10/2019	SURVEYED BY: DATE:	DESIGNED BY: MPP DATE: 12/7/2019
DWG	CHECKED BY: BEE DATE: 12/19/2019	SCALE 1" = 40'	SHEET 5 OF 6



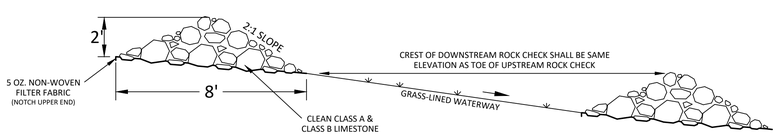
RIP-RAP DIVERSION DITCH SECTION



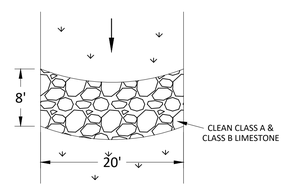
TYPICAL GRASSED WATERWAY



TYPICAL TERRACE SECTION

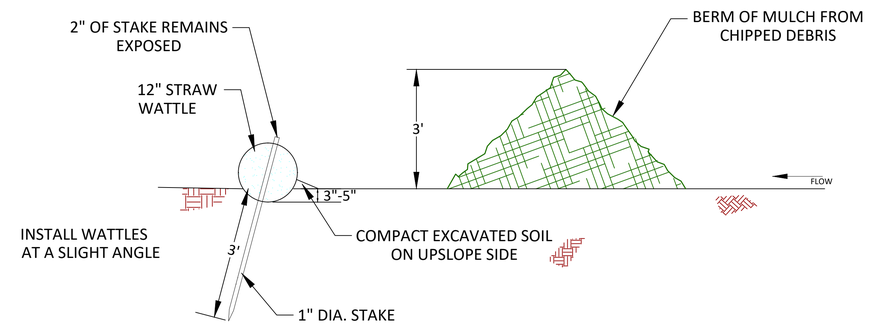


SIDE VIEW
SCALE 1"=3'

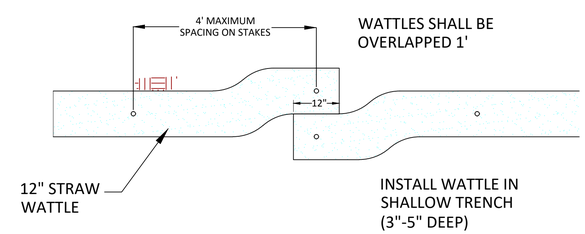


TOP VIEW
SCALE 1"=10'

ROCK CHECK DETAIL

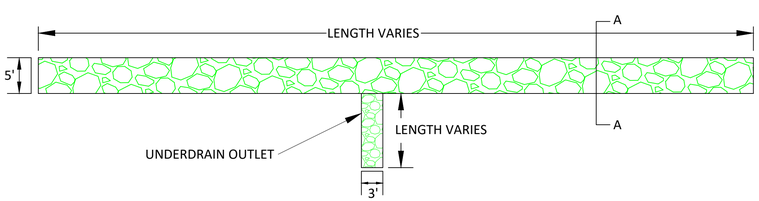


SIDE VIEW

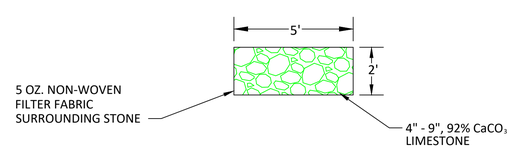


TOP VIEW

STRAW WATTLE DETAIL



ALD - PLAN VIEW



ALD - SECTION A-A

ENTITY	TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION LAND RECLAMATION SECTION		
PROJECT	TIMESVILLE RECLAMATION PROJECT		
	MISC. DETAILS		
BY	DRAWN BY: MPP DATE: 12/10/2019	SURVEYED BY: DATE:	DESIGNED BY: MPP DATE: 12/7/2019
DWG	CHECKED BY: BEE DATE: 12/19/2019	SCALE NOT TO SCALE	SHEET 6 OF 6