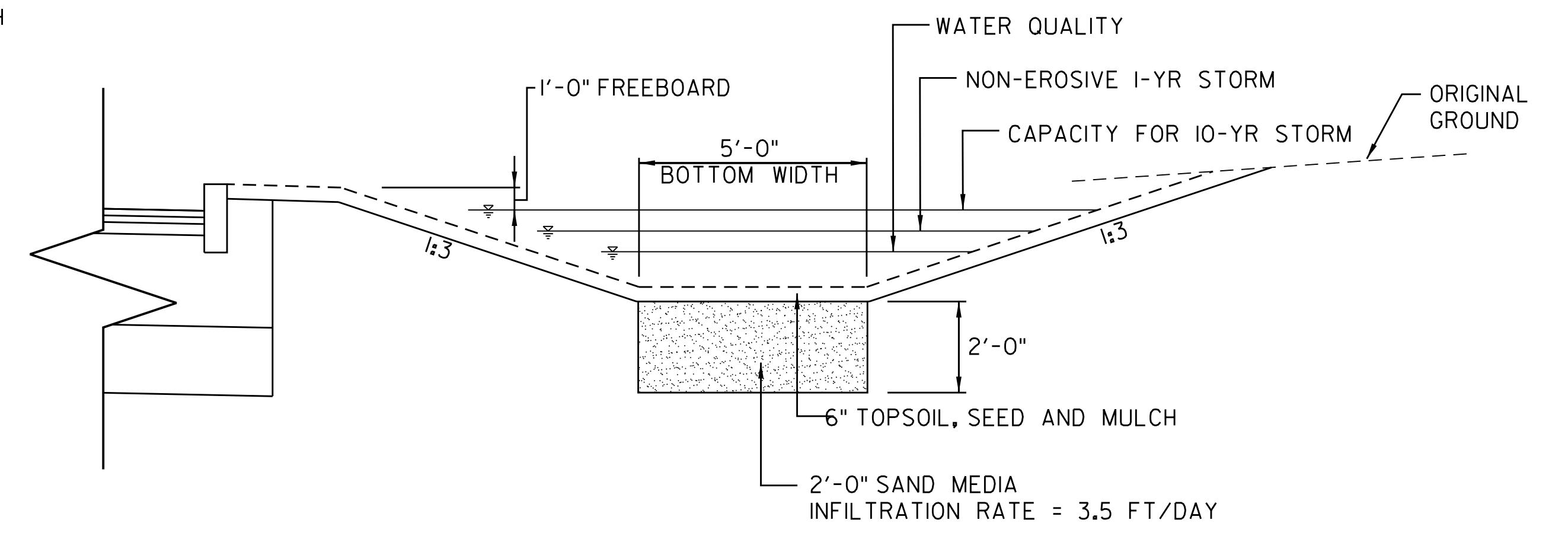
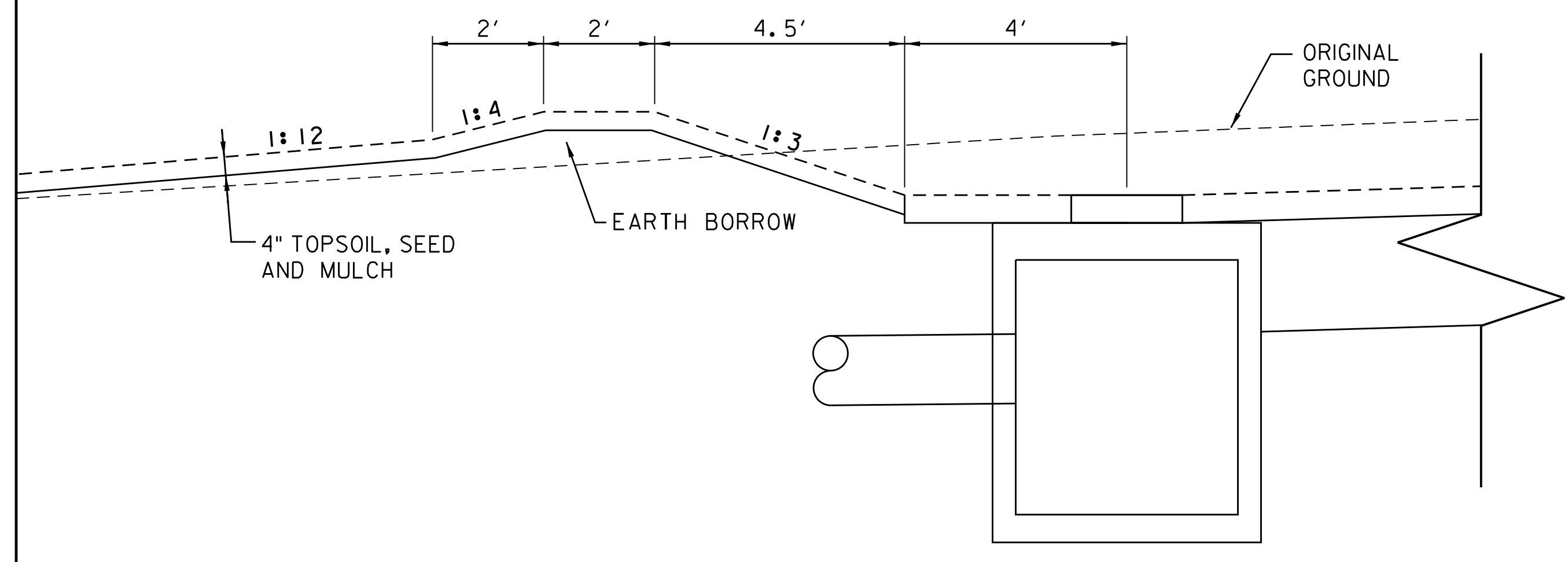


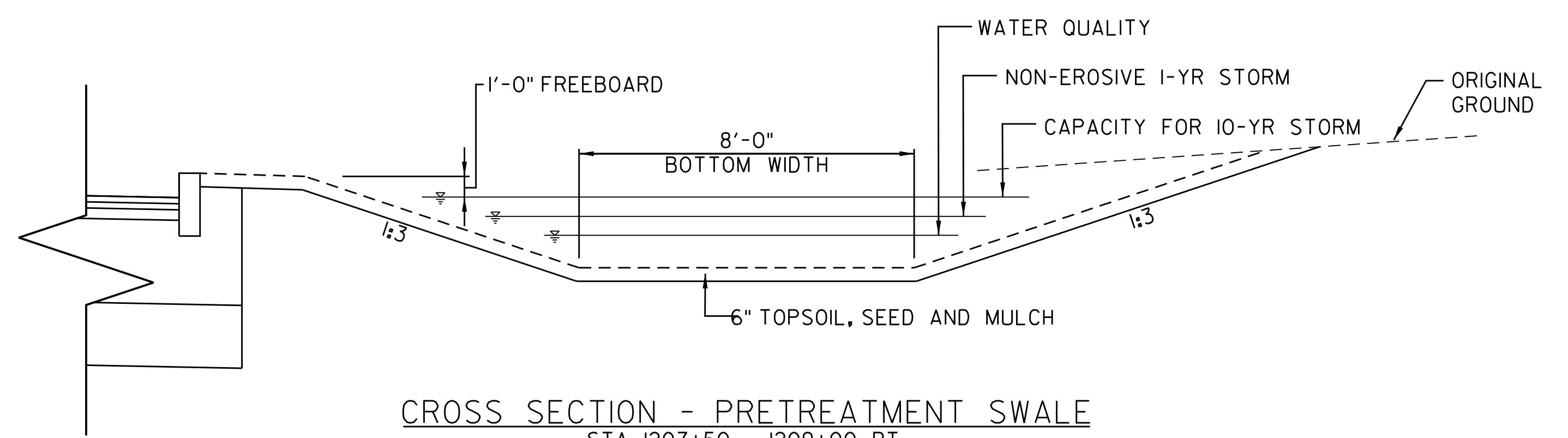
DRY SWALE PROFILE
 STA. 1206+50 - 1209+00, RT.
 SCALE HORIZONTAL: 1" = 20'
 SCALE VERTICAL: 1" = 4'



CROSS SECTION - DRY SWALE
 STA. 1206+50 - 1207+50, RT.
 N.T.S.



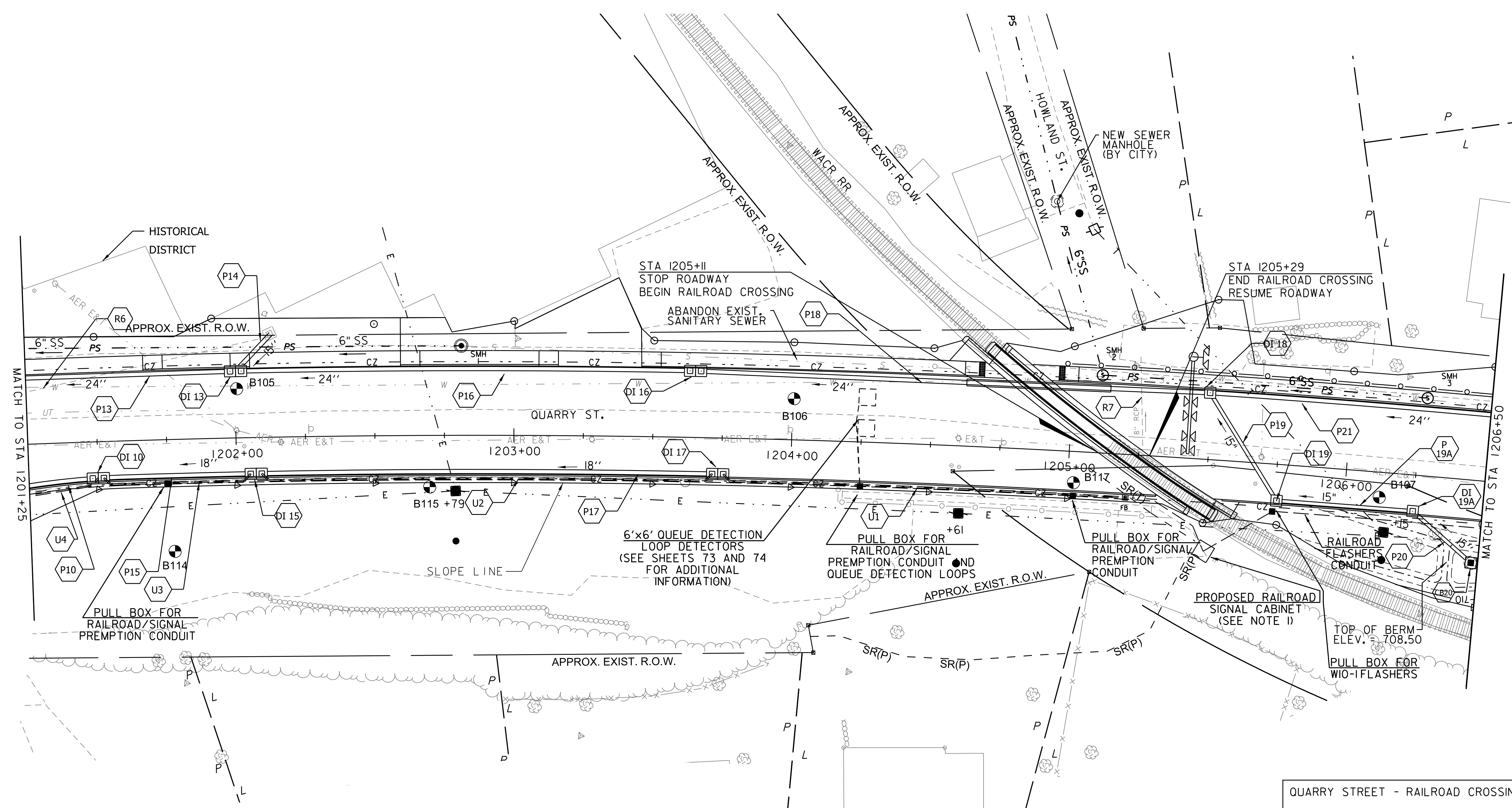
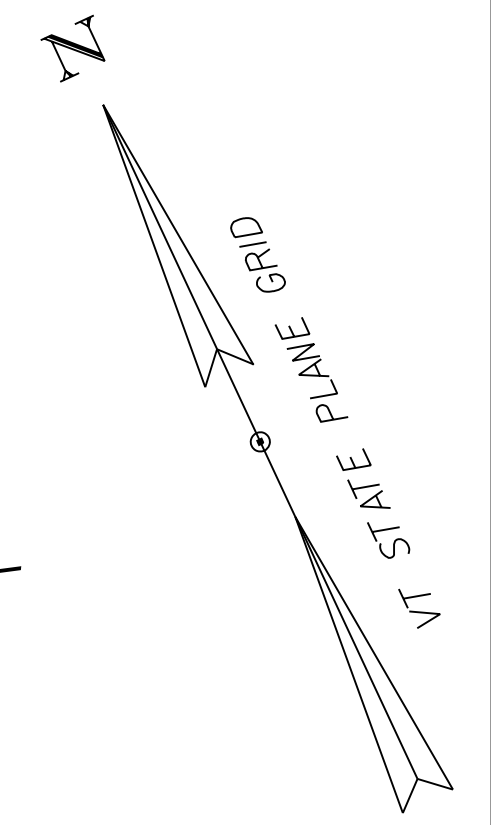
BERM DETAIL
 SCALE: 1" = 2'



CROSS SECTION - PRETREATMENT SWALE
 STA. 1207+50 - 1209+00, RT.
 N.T.S.



PROJECT NAME: BARRE CITY - BARRE TOWN	
PROJECT NUMBER: MEGC M 6000(II)C/2	
FILE NAME: z83d106.dgn	PLOT DATE: 11/29/2017
PROJECT LEADER: E.P. DETRICK	DRAWN BY: O.M. DARISSE
DESIGNED BY: D.M. PECK	CHECKED BY: D.M. PECK
STORMWATER DETAILS SHEET	SHEET 9 OF 147



QUARRY STREET - RAILROAD CROSSING
 WASHINGTON COUNTY RAILROAD
 837 - 359 T

NOTE 1:
 CONTRACTOR SHALL INSTALL ONE 3 INCH
 PVC SCHEDULE 80 CONDUIT TO CONNECT
 THE PROPOSED WIO-1 FLASHER AT STA
 1217+50 TO THE PROPOSED RAILROAD
 SIGNAL CABINET

PVC SEWER PIPE (6")
 STA 1201+25 - 1202+81, LT.
 STA 1204+91 - 1205+10, LT.
 STA 1205+10 - 1206+27, LT.

SANITARY SEWER MANHOLE
 STA 1202+81, LT.
 STA 1205+10, LT.
 STA 1206+27, LT.

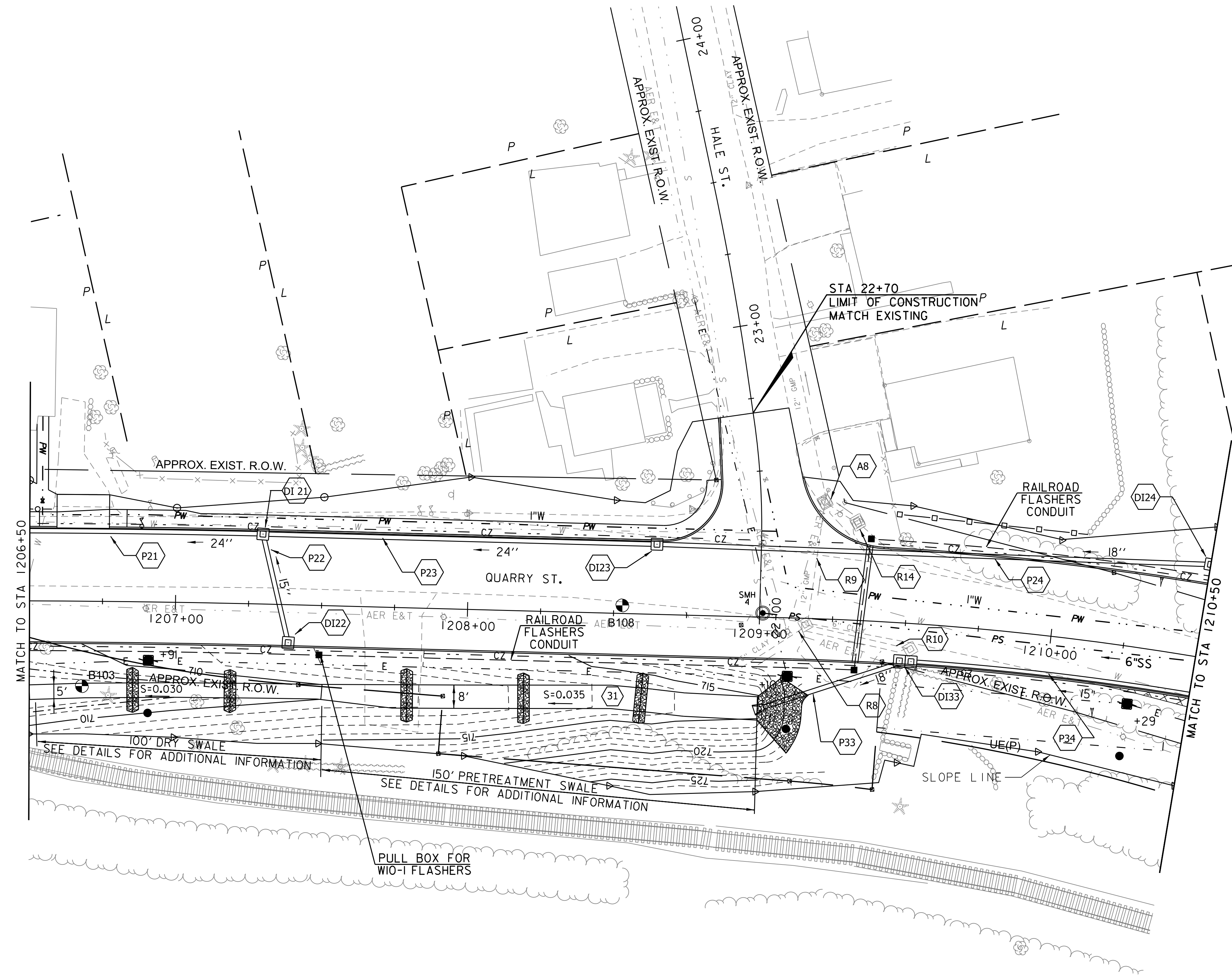
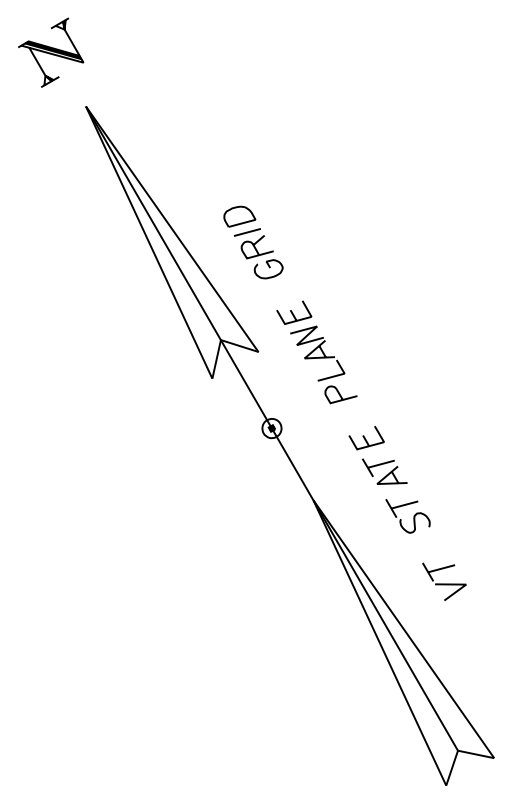
NOTE:
 • SEE RAILROAD PLANS FOR RAILROAD CROSSING DESIGN

PROJECT NAME: BARRE CITY / BARRE TOWN
PROJECT NUMBER: MEGC M 6000(III)C/2

FILE NAME: z83d106BDR.GEN.dgn
PROJECT LEADER: E.P. DETRICK
DESIGNED BY: D.M. PECK
GENERAL PLAN SHEET 2

PLOT DATE: 12/4/2017
DRAWN BY: G.A. GOMEZ
CHECKED BY: E.P. DETRICK
SHEET 27 OF 149





- SEAMLESS COPPER WATER TUBE (1")
STA 1206+54 - 1209+05, LT.
SL STA 22+47, RT - STA 1210+50, LT.
- GATE VALVE WITH VALVE BOX
SL STA 22+47, RT.
- EXTENSION SERVICE BOX AND CURB STOP (1")
STA 1206+54, LT.
- SANITARY SEWER MANHOLE
STA 1209+01, CL
- PVC SEWER PIPE (6")
STA 1209+01, CL - 1210+50, RT.
- EXCAVATION OF SURFACES AND PAVEMENTS
STA 1210+16 - STA 1210+50, RT
- SANITARY SEWER MANHOLE
STA 1209+01, LT
- REHAB, DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I
STA 1209+21, LT
- ADJUST ELEVATION OF VALVE BOX
STA 22+47, RT

MATCH TO STA 1206+50

MATCH TO STA 1210+50

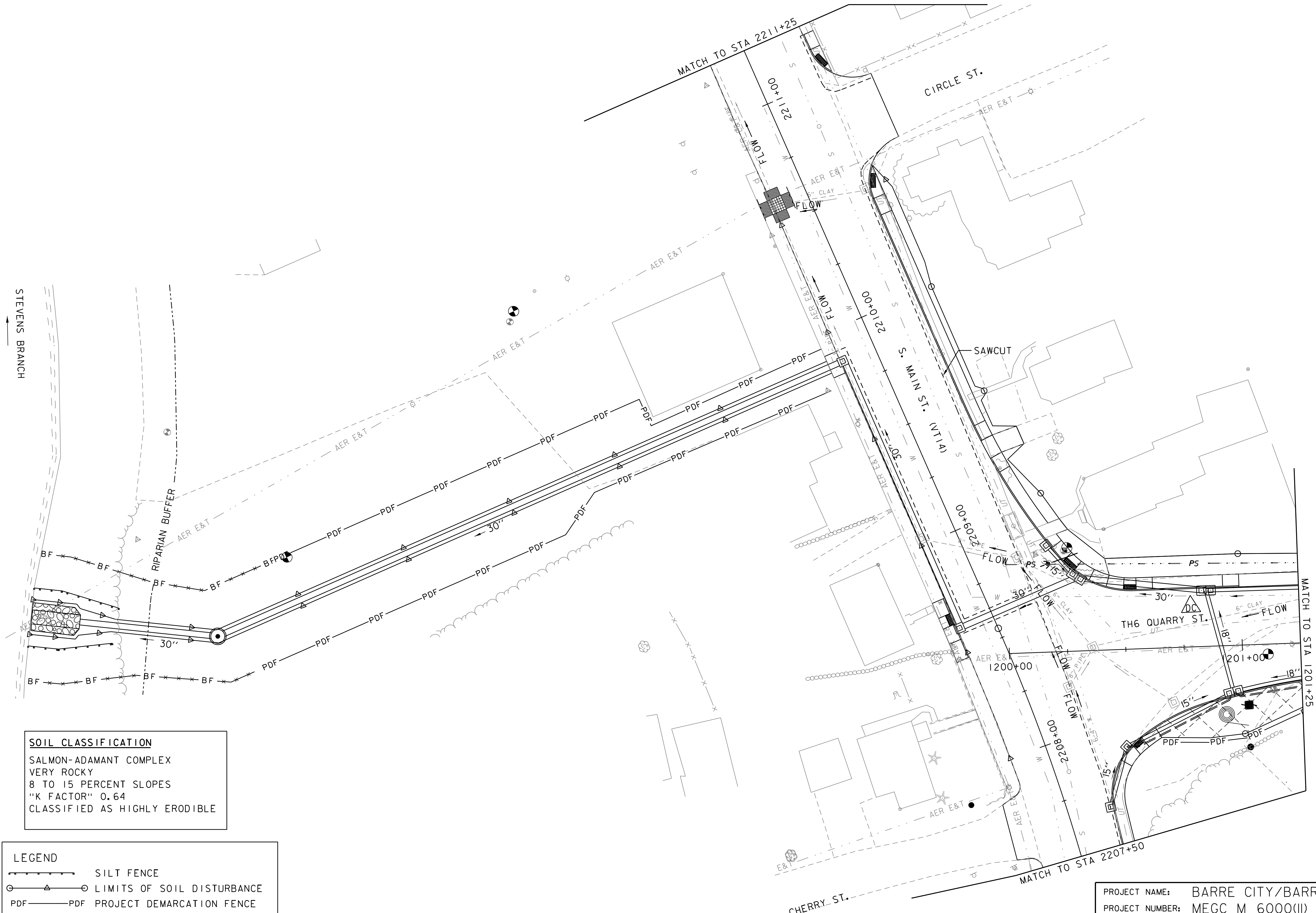
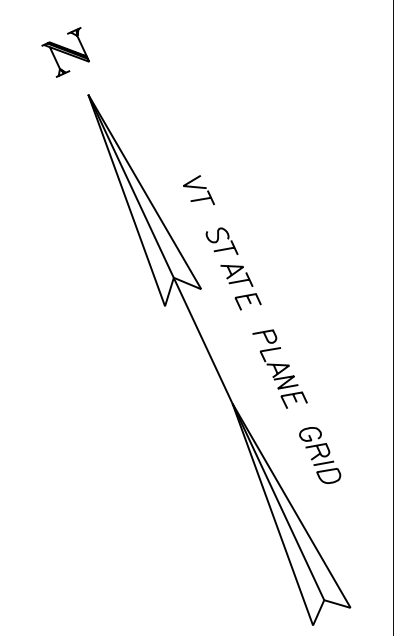
100' DRY SWALE
SEE DETAILS FOR ADDITIONAL INFORMATION

150' PRETREATMENT SWALE
SEE DETAILS FOR ADDITIONAL INFORMATION

PULL BOX FOR W10-I FLASHERS



PROJECT NAME: BARRE CITY / BARRE TOWN	
PROJECT NUMBER: MEGC M 6000(II)C/2	
FILE NAME: z83d106BDR_GEN.dgn	PLOT DATE: 12/4/2017
PROJECT LEADER: E.P. DETRICK	DRAWN BY: G.A. GOMEZ
DESIGNED BY: D.M. PECK	CHECKED BY: E.P. DETRICK
GENERAL PLAN SHEET 3	SHEET 28 OF 149



SOIL CLASSIFICATION
 SALMON-ADAMANT COMPLEX
 VERY ROCKY
 8 TO 15 PERCENT SLOPES
 "K FACTOR" 0.64
 CLASSIFIED AS HIGHLY ERODIBLE

LEGEND

- SILT FENCE
- LIMITS OF SOIL DISTURBANCE
- PROJECT DEMARCATION FENCE
- RIPARIAN BUFFER ZONE

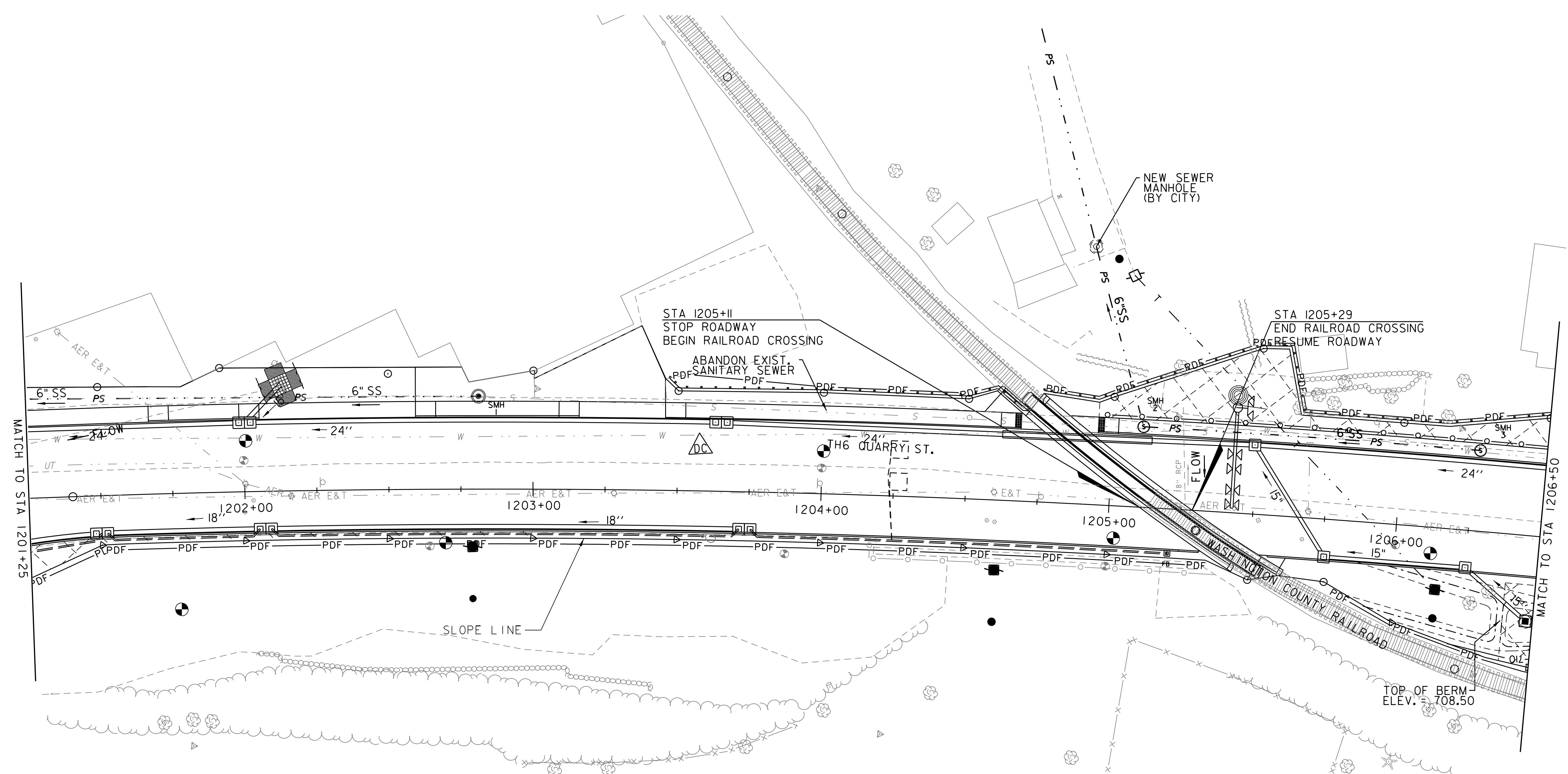
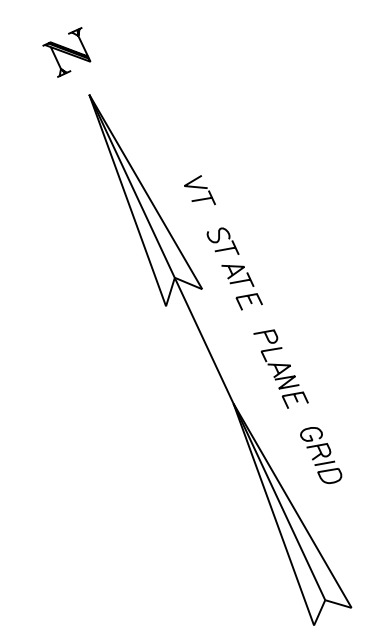
SCALE 1" = 20'-0"
 20 0 20



PROJECT NAME: BARRE CITY/BARRE TOWN
 PROJECT NUMBER: MEGC M 6000(II)

FILE NAME: z83d106_BDR.EROCs
 PROJECT LEADER: G. BAKOS
 DESIGNED BY: D. PECK
 EPSC PLANS (1 of 7)

PLOT DATE: 11/29/2017
 DRAWN BY: DMP/MGS
 CHECKED BY: G. BAKOS
 SHEET 101 OF 147



SOIL CLASSIFICATION
 SALMON-ADAMANT COMPLEX,
 VERY ROCKY
 8 TO 15 PERCENT SLOPES
 "K FACTOR" 0.64
 CLASSIFIED AS HIGHLY ERODIBLE

ADAMS LOAMY FINE SAND
 15 TO 25 PERCENT SLOPES
 "K FACTOR" 0.17

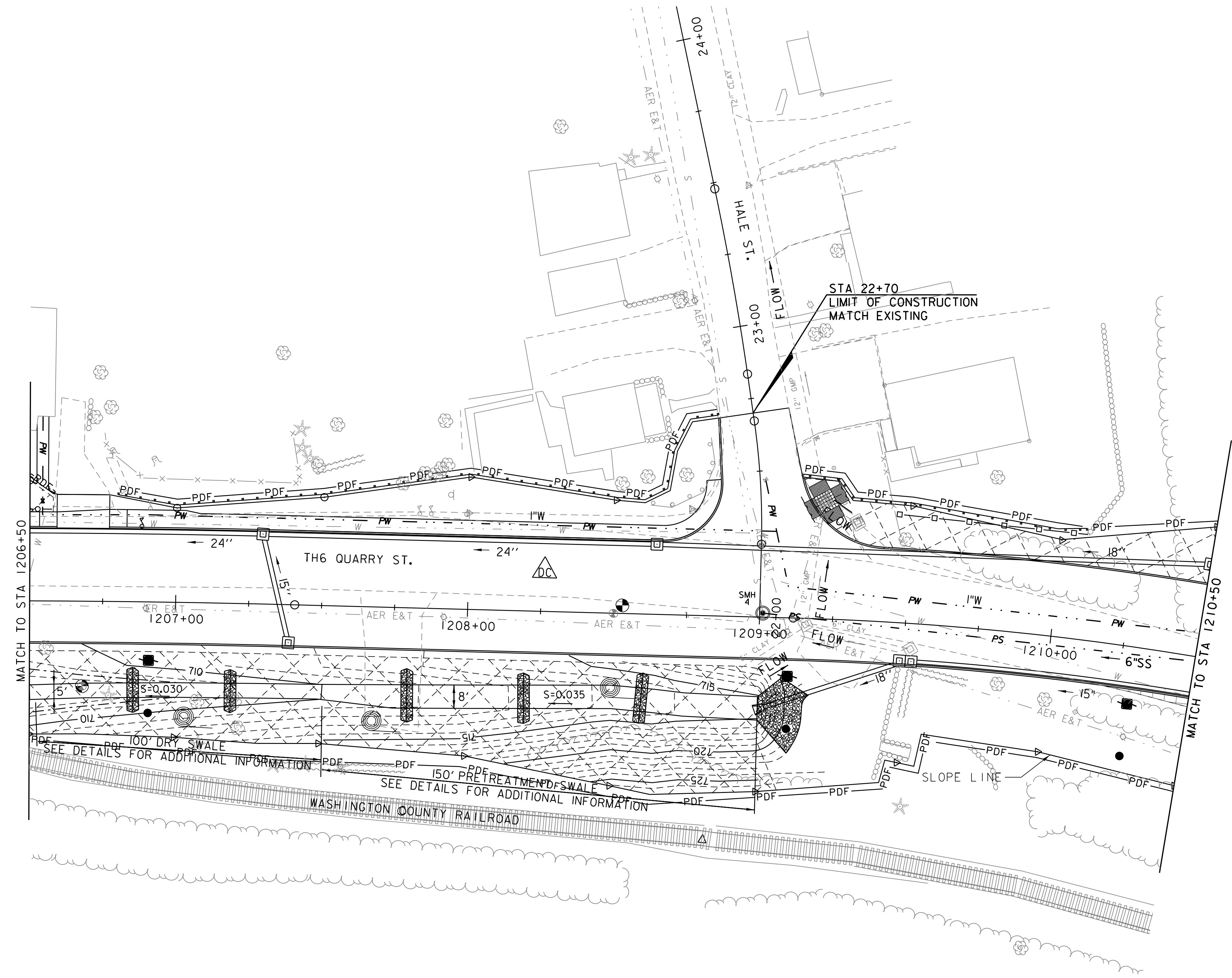
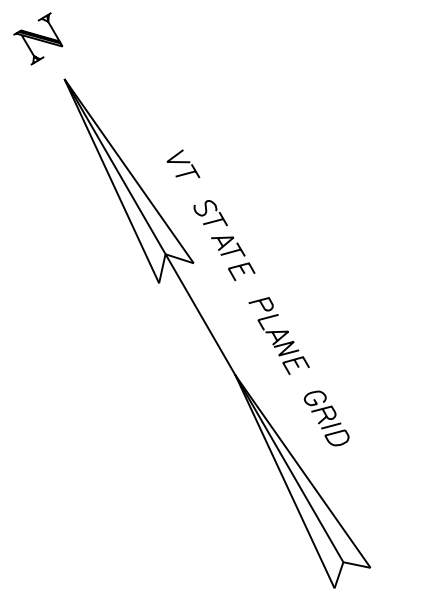
LEGEND

- SILT FENCE
- LIMITS OF SOIL DISTURBANCE
- PROJECT DEMARCATION FENCE
- RIPARIAN BUFFER ZONE

SCALE 1" = 20'-0"
 20 0 20



PROJECT NAME: BARRE CITY/BARRE TOWN	
PROJECT NUMBER: MEGC M 6000(II)	
FILE NAME: z83d106.BDR.EROCs	PLOT DATE: 11/29/2017
PROJECT LEADER: G. BAKOS	DRAWN BY: DMP/MGS
DESIGNED BY: D. PECK	CHECKED BY: G. BAKOS
EPSC PLANS (2 of 7)	SHEET 102 OF 147



SOIL CLASSIFICATION
 SALMON-ADAMANT COMPLEX,
 VERY ROCKY
 8 TO 15 PERCENT SLOPES
 "K FACTOR" 0.64
 CLASSIFIED AS HIGHLY ERODIBLE

ADAMS LOAMY FINE SAND
 15 TO 25 PERCENT SLOPES
 25 TO 60 PERCENT SLOPES
 "K FACTOR" 0.17

LEGEND

- SILT FENCE
- △—○ LIMITS OF SOIL DISTURBANCE
- PDF—PDF PROJECT DEMARCATION FENCE
- - - - RIPARIAN BUFFER ZONE

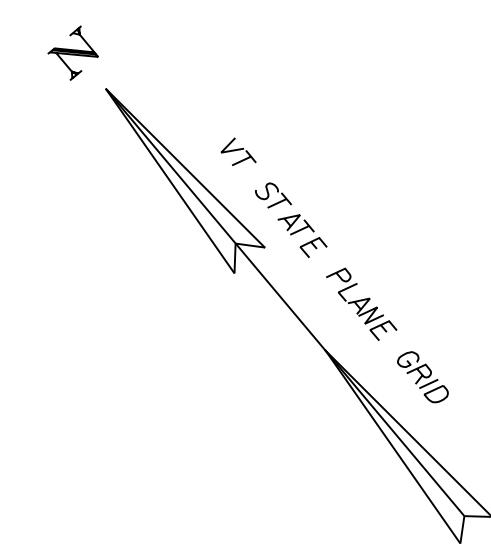
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 PROJECT NUMBER: MEGC M 6000(II)

FILE NAME: z83d106_BDR_EROCs
 PROJECT LEADER: G. BAKOS
 DESIGNED BY: D. PECK
 EPSC PLANS (3 OF 7)

PLOT DATE: 11/29/2017
 DRAWN BY: DMP/MGS
 CHECKED BY: G. BAKOS
 SHEET 103 OF 147

SCALE 1" = 20'-0"
 20 0 20





LEGEND	
	SILT FENCE
	LIMITS OF SOIL DISTURBANCE
	PROJECT DEMARCATION FENCE
	RIPARIAN BUFFER ZONE

SOIL CLASSIFICATION
 SALMON-ADAMANT COMPLEX,
 VERY ROCKY
 8 TO 15 PERCENT SLOPES
 "K FACTOR" 0.64
 CLASSIFIED AS HIGHLY ERODIBLE

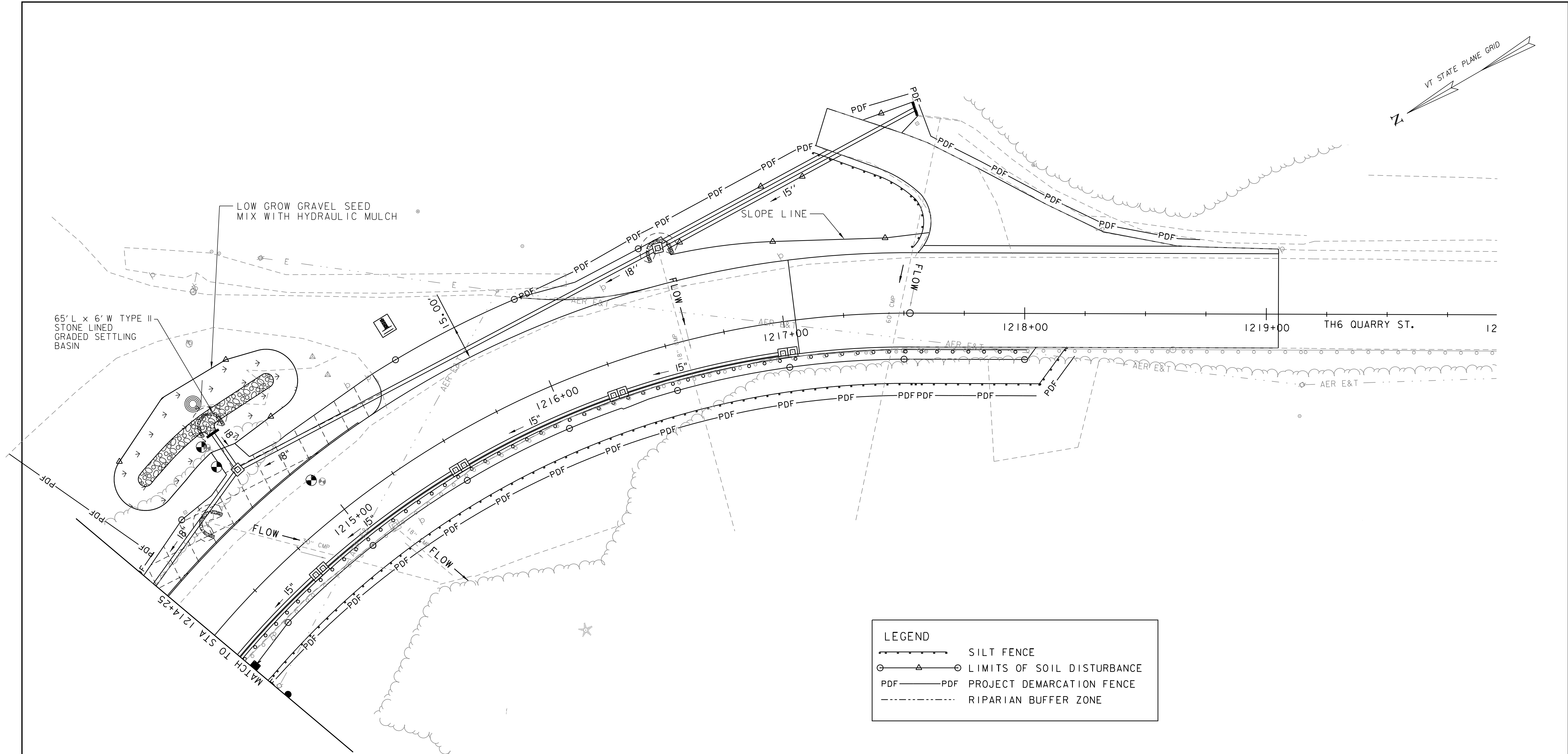
ADAMS LOAMY FINE SAND
 25 TO 60 PERCENT SLOPES
 "K FACTOR" 0.17



SCALE 1" = 20' - 0"
 20 0 20



PROJECT NAME: BARRE CITY/BARRE TOWN	PLOT DATE: 11/29/2017
PROJECT NUMBER: MEGC M 6000(II)	DRAWN BY: DMP/MGS
FILE NAME: z83d106_BDR_EROCs	CHECKED BY: G. BAKOS
PROJECT LEADER: G. BAKOS	SHEET 104 OF 147
DESIGNED BY: D. PECK	
EPSC PLANS (4 OF 7)	



LEGEND

	SILT FENCE
	LIMITS OF SOIL DISTURBANCE
	PDF PROJECT DEMARCATION FENCE
	RIPARIAN BUFFER ZONE

SOIL CLASSIFICATION

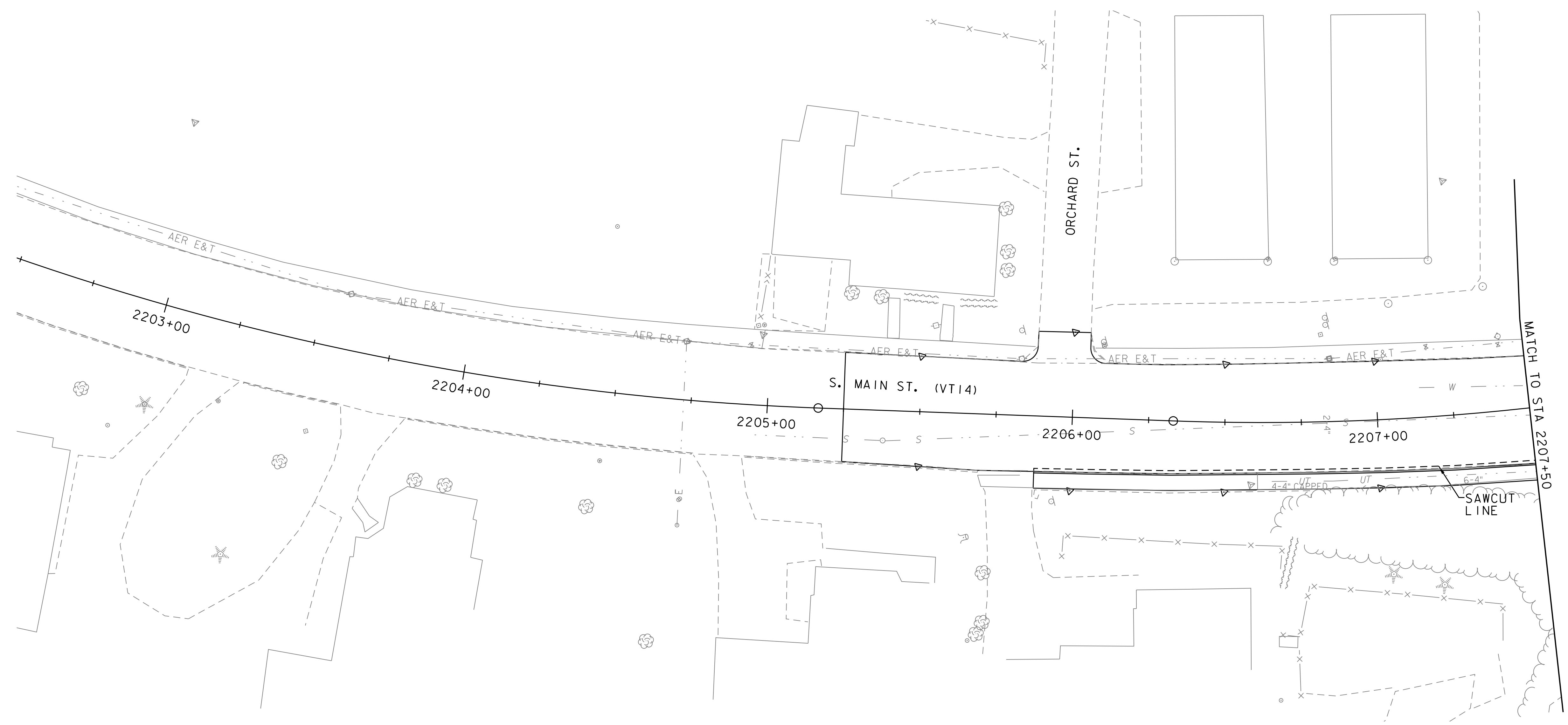
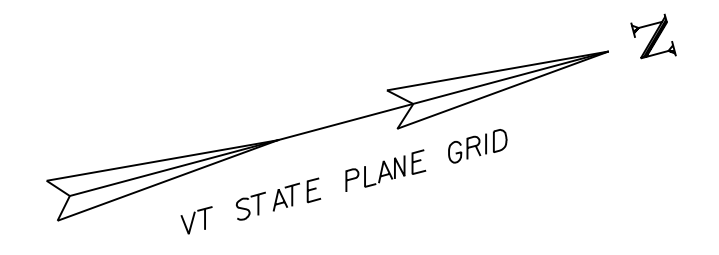
ADAMS LOAMY FINE SAND
 25 TO 60 PERCENT SLOPES
 "K FACTOR" 0.17

SALMON VERY FINE SANDY LOAM
 25 TO 50 PERCENT SLOPES
 "K FACTOR" 0.64
 CLASSIFIED AS HIGHLY ERODIBLE

SCALE 1" = 20'-0"



PROJECT NAME: BARRE CITY/BARRE TOWN	PLOT DATE: 11/29/2017
PROJECT NUMBER: MEGC M 6000(II)	DRAWN BY: DMP/MGS
FILE NAME: z83d106_BDR.EROCs	CHECKED BY: G. BAKOS
PROJECT LEADER: G. BAKOS	SHEET 105 OF 147
DESIGNED BY: D. PECK	
EPSC PLANS (5 OF 7)	



MATCH TO STA 2207+50

SOIL CLASSIFICATION
 SALMON-ADAMANT COMPLEX
 VERY ROCKY
 8 TO 15 PERCENT SLOPES
 "K FACTOR" 0.64
 CLASSIFIED AS HIGHLY ERODIBLE

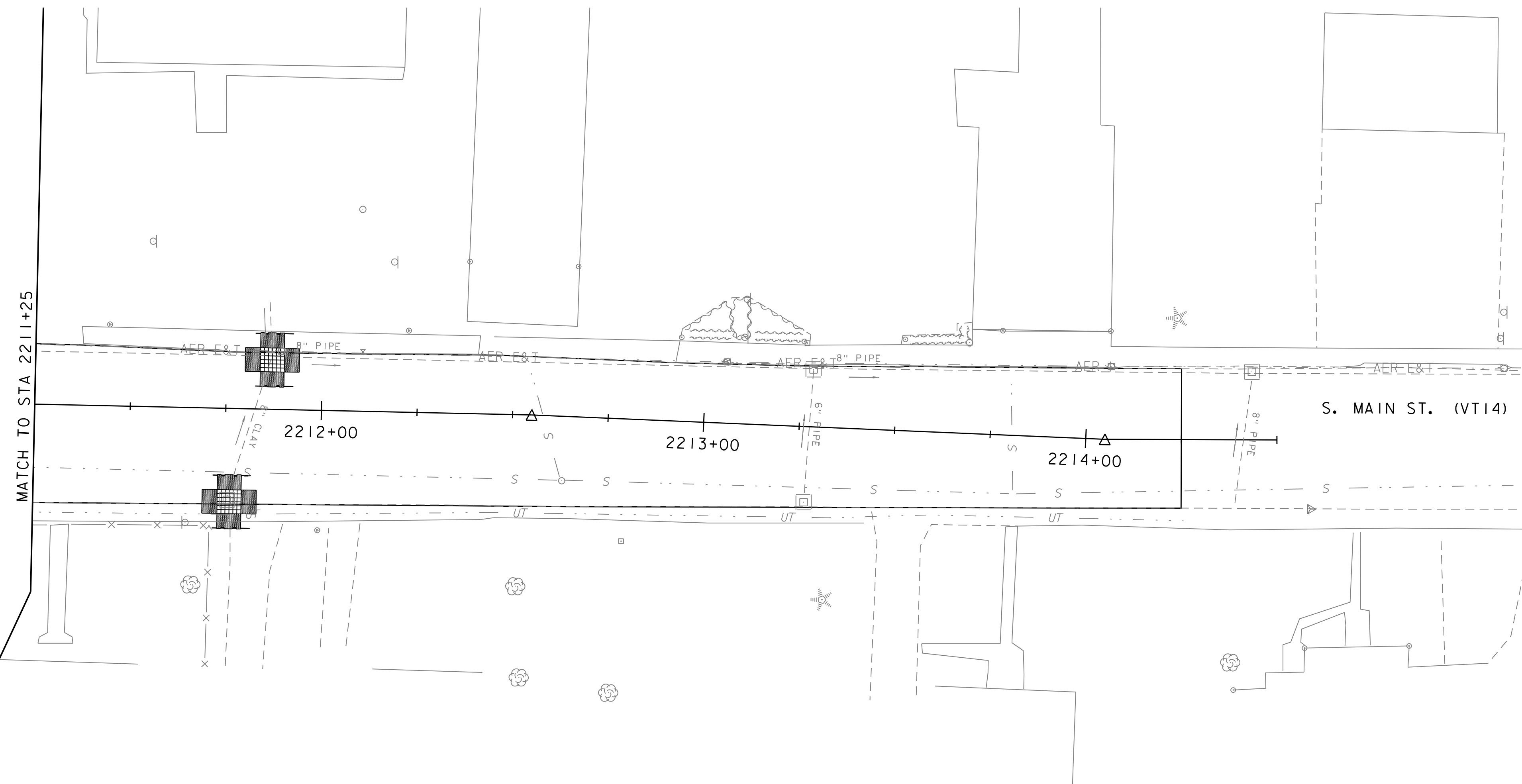
LEGEND

- SILT FENCE
- LIMITS OF SOIL DISTURBANCE
- PROJECT DEMARCATION FENCE
- RIPARIAN BUFFER ZONE

SCALE 1" = 20'-0"



PROJECT NAME: BARRE CITY/BARRE TOWN	
PROJECT NUMBER: MEGC M 6000(II)	
FILE NAME: z83d106_BDR.EROCs	PLOT DATE: 11/29/2017
PROJECT LEADER: G. BAKOS	DRAWN BY: DMP/MGS
DESIGNED BY: D. PECK	CHECKED BY: G. BAKOS
EPSC PLANS (6 OF 7)	SHEET 106 OF 147



SOIL CLASSIFICATION
 SALMON-ADAMANT COMPLEX
 VERY ROCKY
 8 TO 15 PERCENT SLOPES
 "K FACTOR" 0.64
 CLASSIFIED AS HIGHLY ERODIBLE

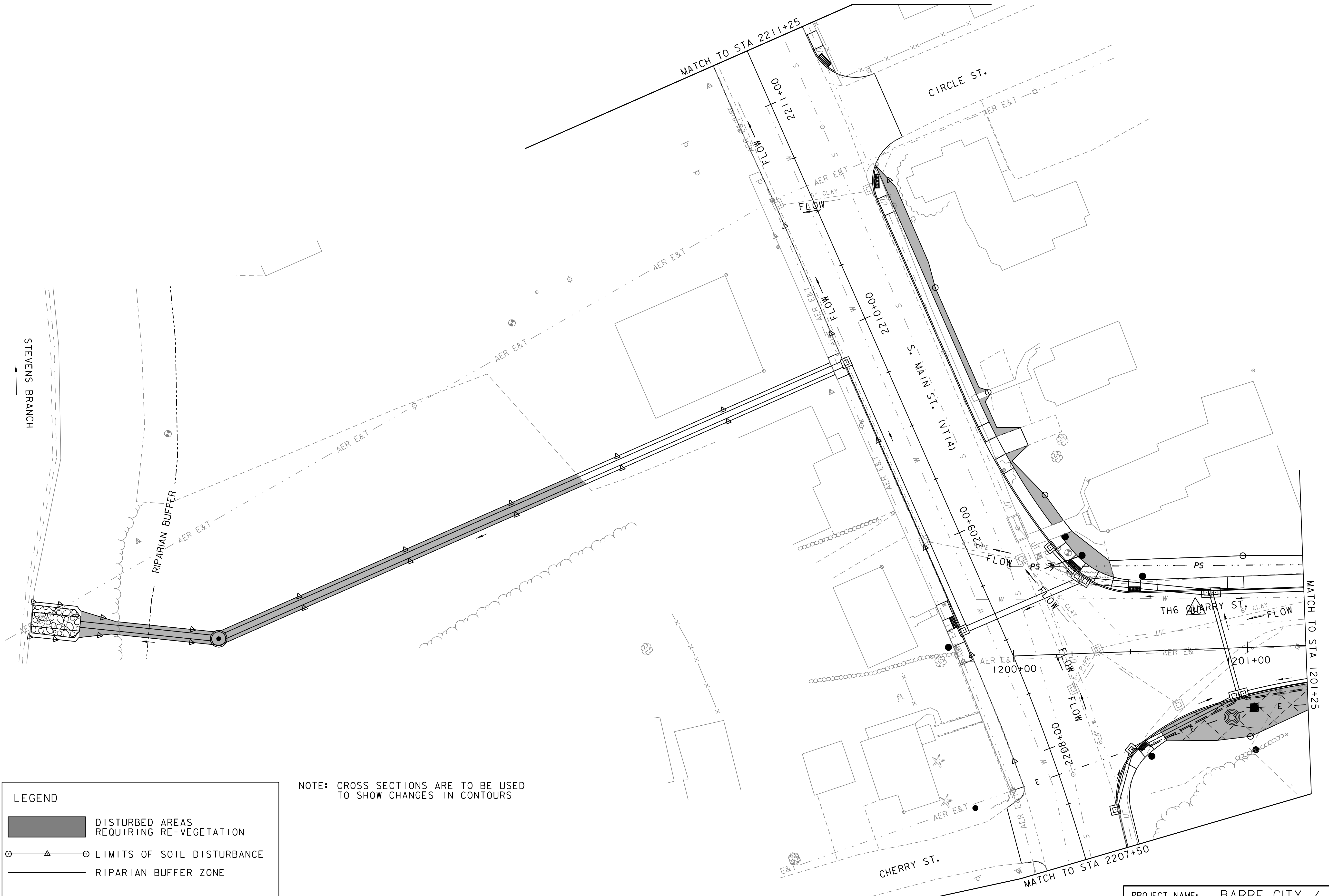
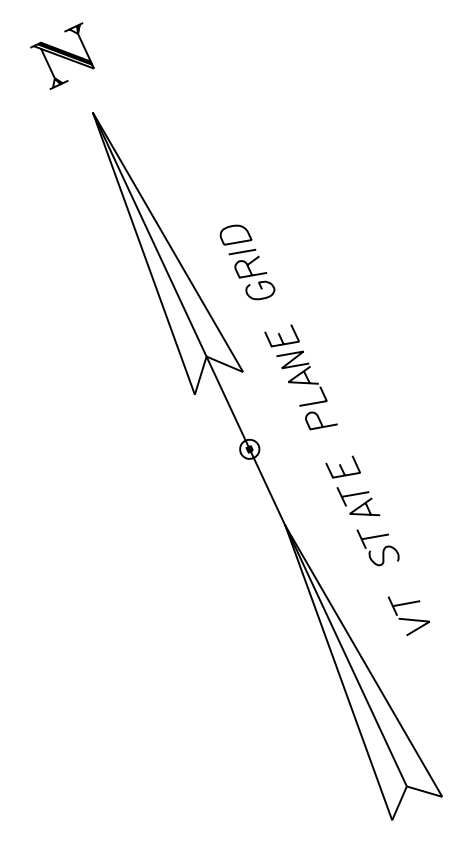
LEGEND

- SILT FENCE
- LIMITS OF SOIL DISTURBANCE
- PROJECT DEMARCATION FENCE
- RIPARIAN BUFFER ZONE

SCALE 1" = 20'-0"
 20 0 20



PROJECT NAME: BARRE CITY/BARRE TOWN	PLOT DATE: 11/29/2017
PROJECT NUMBER: MEGC M 6000(II)	DRAWN BY: DMP/MGS
FILE NAME: z83d106_BDR.EROCs	CHECKED BY: G. BAKOS
PROJECT LEADER: G. BAKOS	SHEET 107 OF 147
DESIGNED BY: D. PECK	
EPSC PLANS (7 OF 7)	



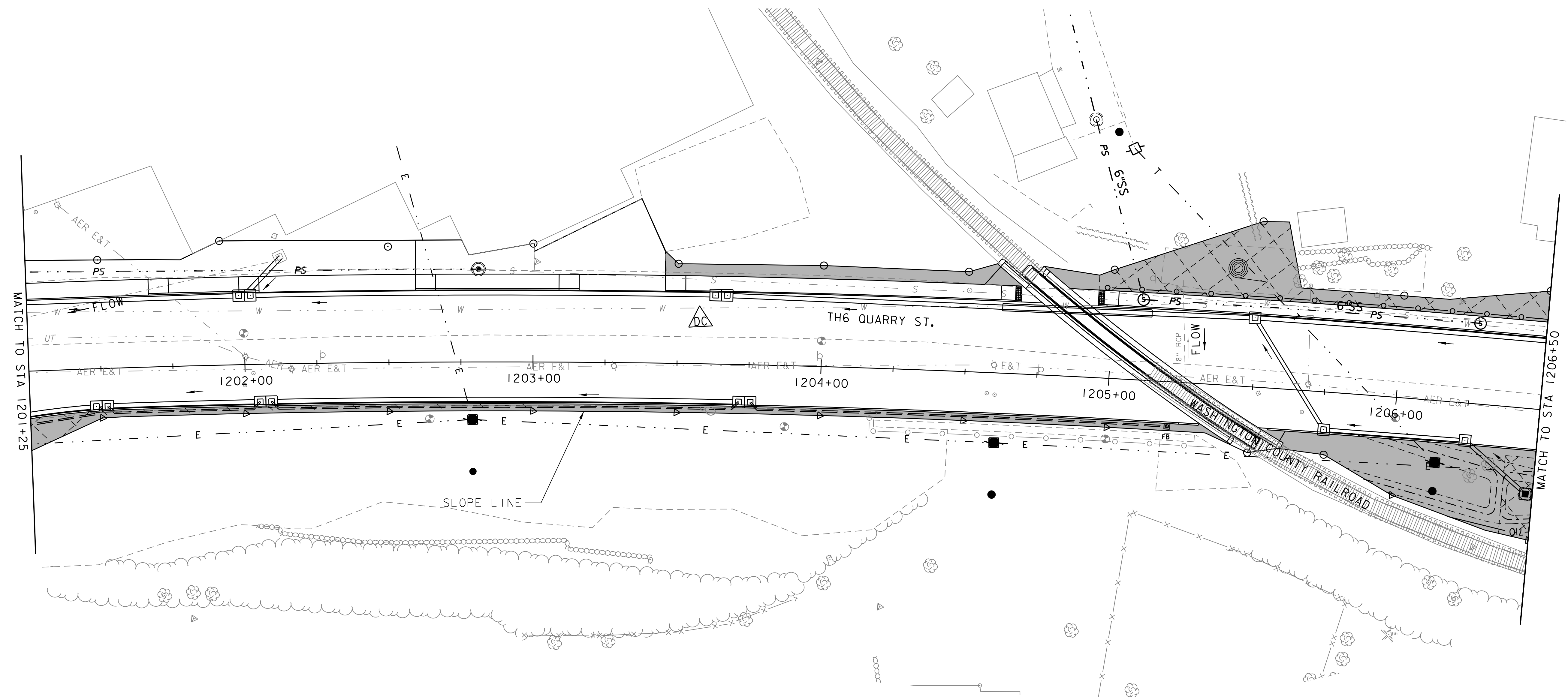
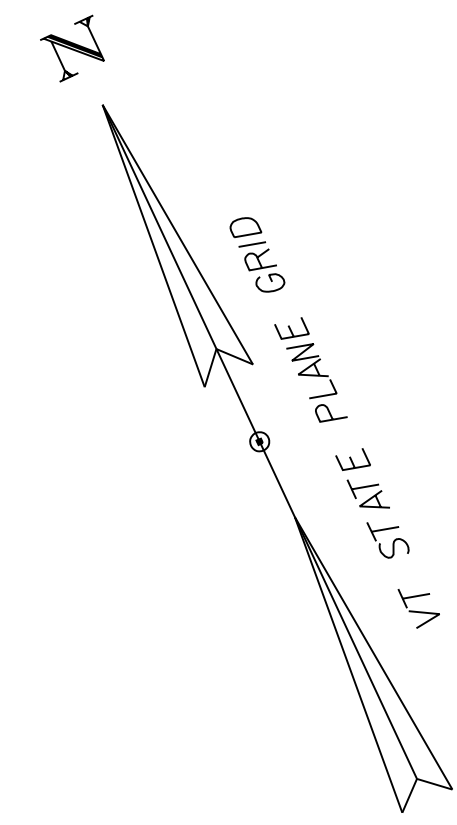
LEGEND

- DISTURBED AREAS REQUIRING RE-VEGETATION
- LIMITS OF SOIL DISTURBANCE
- RIPARIAN BUFFER ZONE

NOTE: CROSS SECTIONS ARE TO BE USED TO SHOW CHANGES IN CONTOURS



PROJECT NAME: BARRE CITY / BARRE TOWN	
PROJECT NUMBER: MEGC M 6000(III)C/2	
FILE NAME: z83d106BDR.ER0FC.dgn	PLOT DATE: 11/29/2017
PROJECT LEADER: E.P. DETRICK	DRAWN BY: O.M. DARISSE
DESIGNED BY: O.M. DARISSE	CHECKED BY: E.P. DETRICK
FINAL CONDITIONS PLANS (1 OF 7)	SHEET 108 OF 147



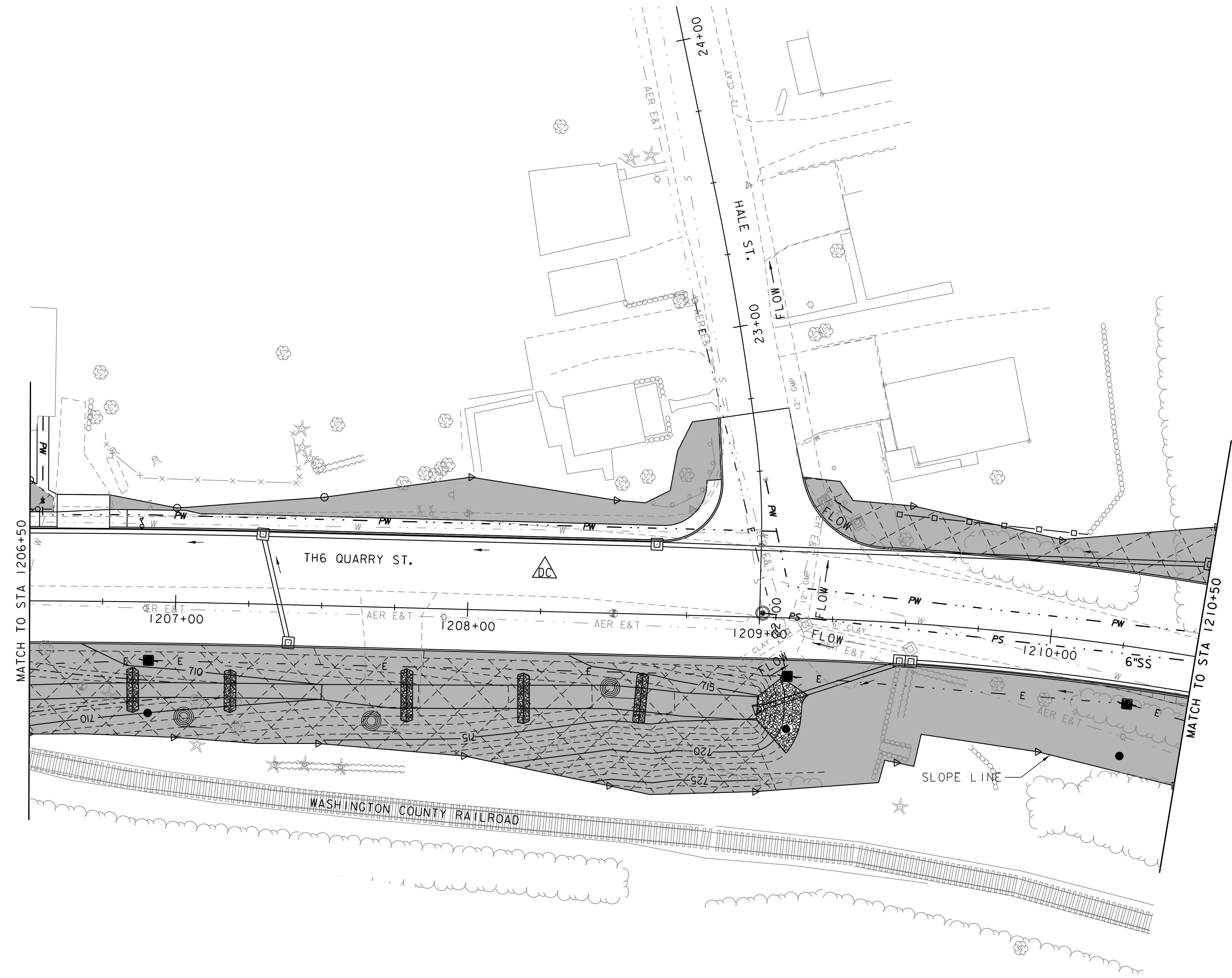
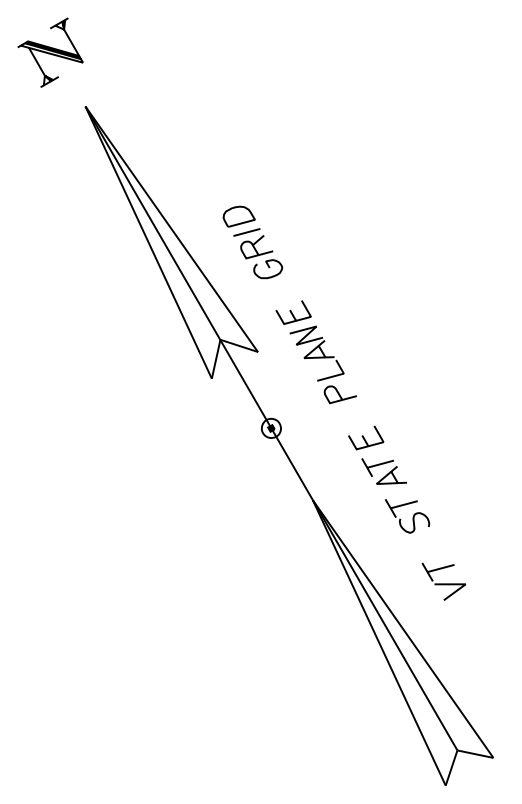
LEGEND

- DISTURBED AREAS REQUIRING RE-VEGETATION
- LIMITS OF SOIL DISTURBANCE
- RIPARIAN BUFFER ZONE

NOTE: CROSS SECTIONS ARE TO BE USED TO SHOW CHANGES IN CONTOURS



PROJECT NAME: BARRE CITY / BARRE TOWN	
PROJECT NUMBER: MEGC M 6000(III)C/2	
FILE NAME: z83d106BDR.ER0FC.dgn	PLOT DATE: 11/29/2017
PROJECT LEADER: E.P. DETRICK	DRAWN BY: O.M. DARISSE
DESIGNED BY: O.M. DARISSE	CHECKED BY: E.P. DETRICK
FINAL CONDITIONS PLANS (2 OF 7)	SHEET 109 OF 147



LEGEND

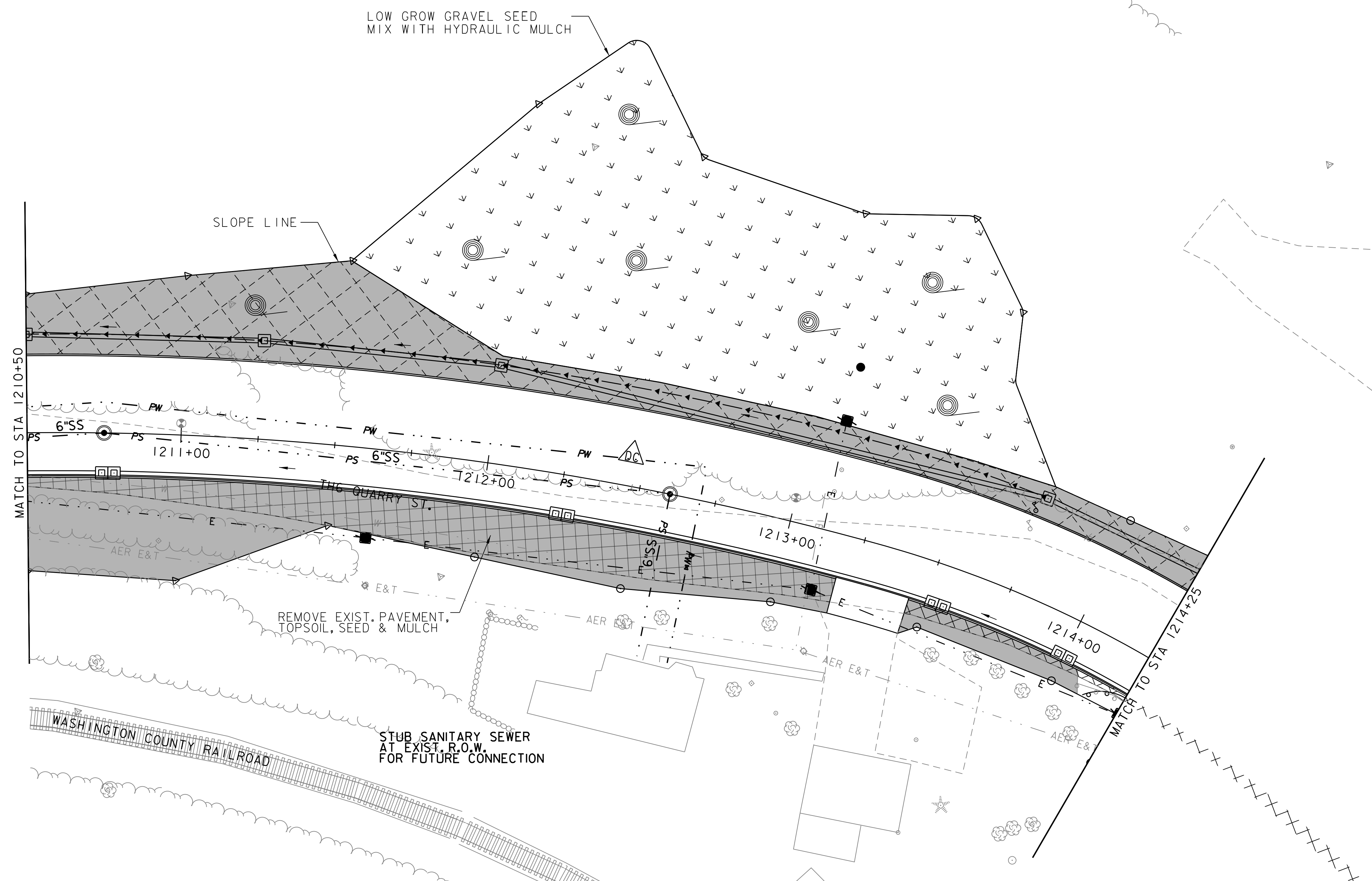
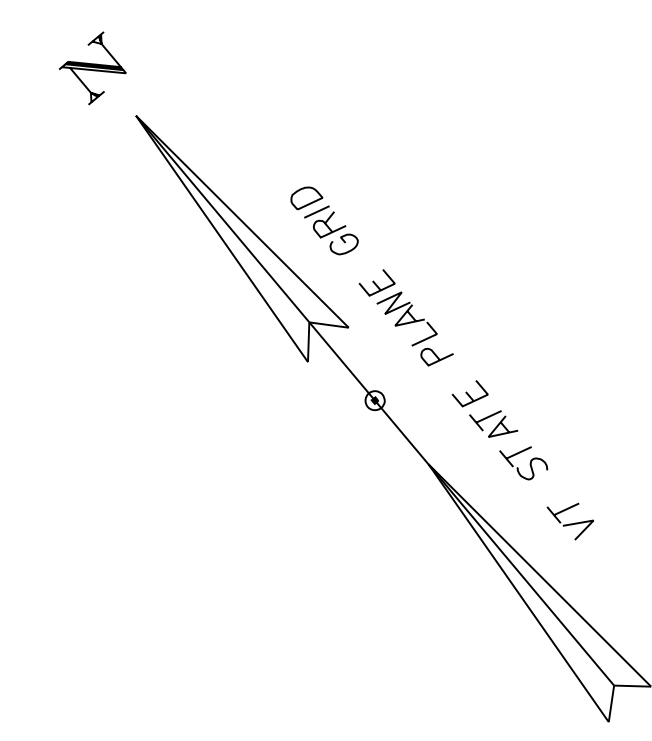
- DISTURBED AREAS REQUIRING RE-VEGETATION
- LIMITS OF SOIL DISTURBANCE
- RIPARIAN BUFFER ZONE

NOTE: CROSS SECTIONS ARE TO BE USED TO SHOW CHANGES IN CONTOURS

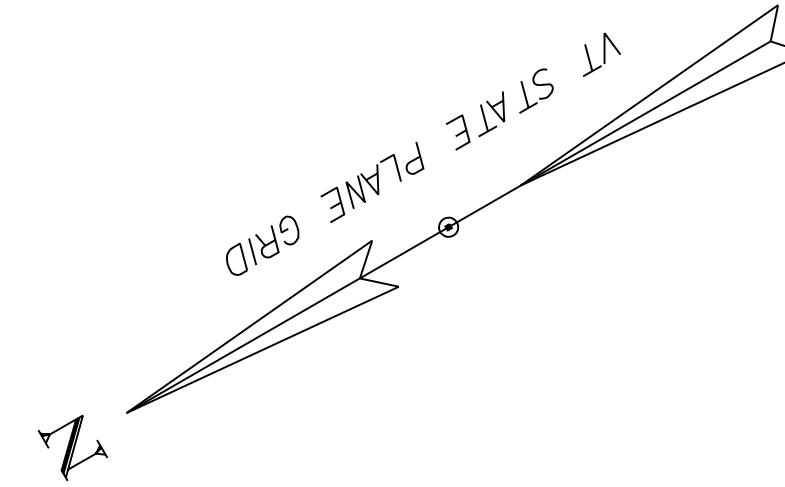
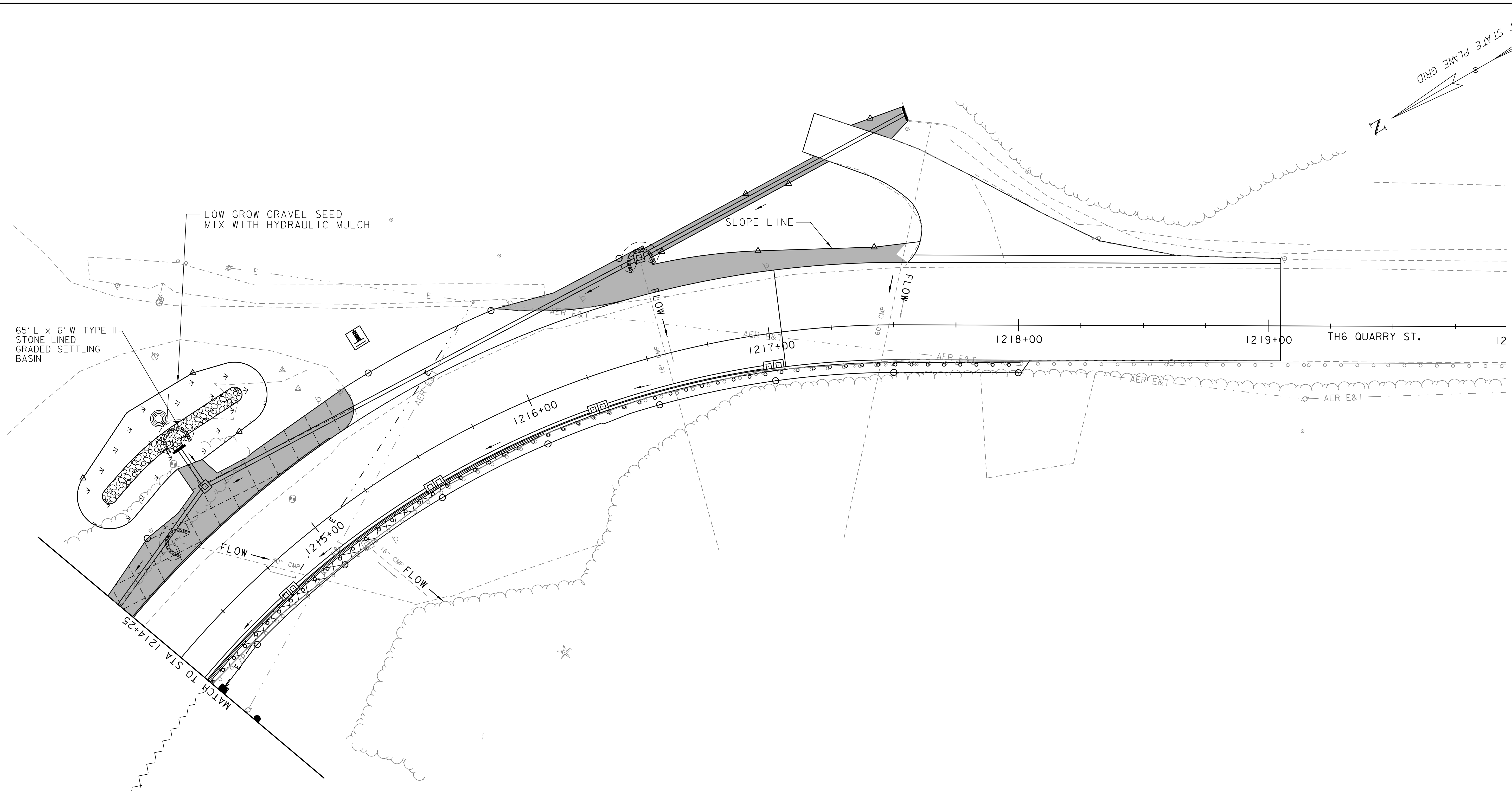



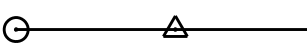
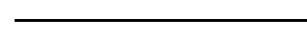
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PROJECT NUMBER: MEGC M 6000(III)C/2	
FILE NAME: z83di06BDR.ER0FC.dgn	PLOT DATE: 11/29/2017
PROJECT LEADER: E.P. DETRICK	DRAWN BY: O.M. DARISSE
DESIGNED BY: O.M. DARISSE	CHECKED BY: E.P. DETRICK
FINAL CONDITIONS PLANS (3 OF 7)	SHEET 110 OF 147





PROJECT NAME: BARRE CITY / BARRE TOWN	
PROJECT NUMBER: MEGC M 6000(III)C/2	
FILE NAME: z83di06BDR.EROFC.dgn	PLOT DATE: 11/29/2017
PROJECT LEADER: E.P. DETRICK	DRAWN BY: O.M. DARISSE
DESIGNED BY: O.M. DARISSE	CHECKED BY: E.P. DETRICK
FINAL CONDITIONS PLANS (4 OF 7)	SHEET III OF 147



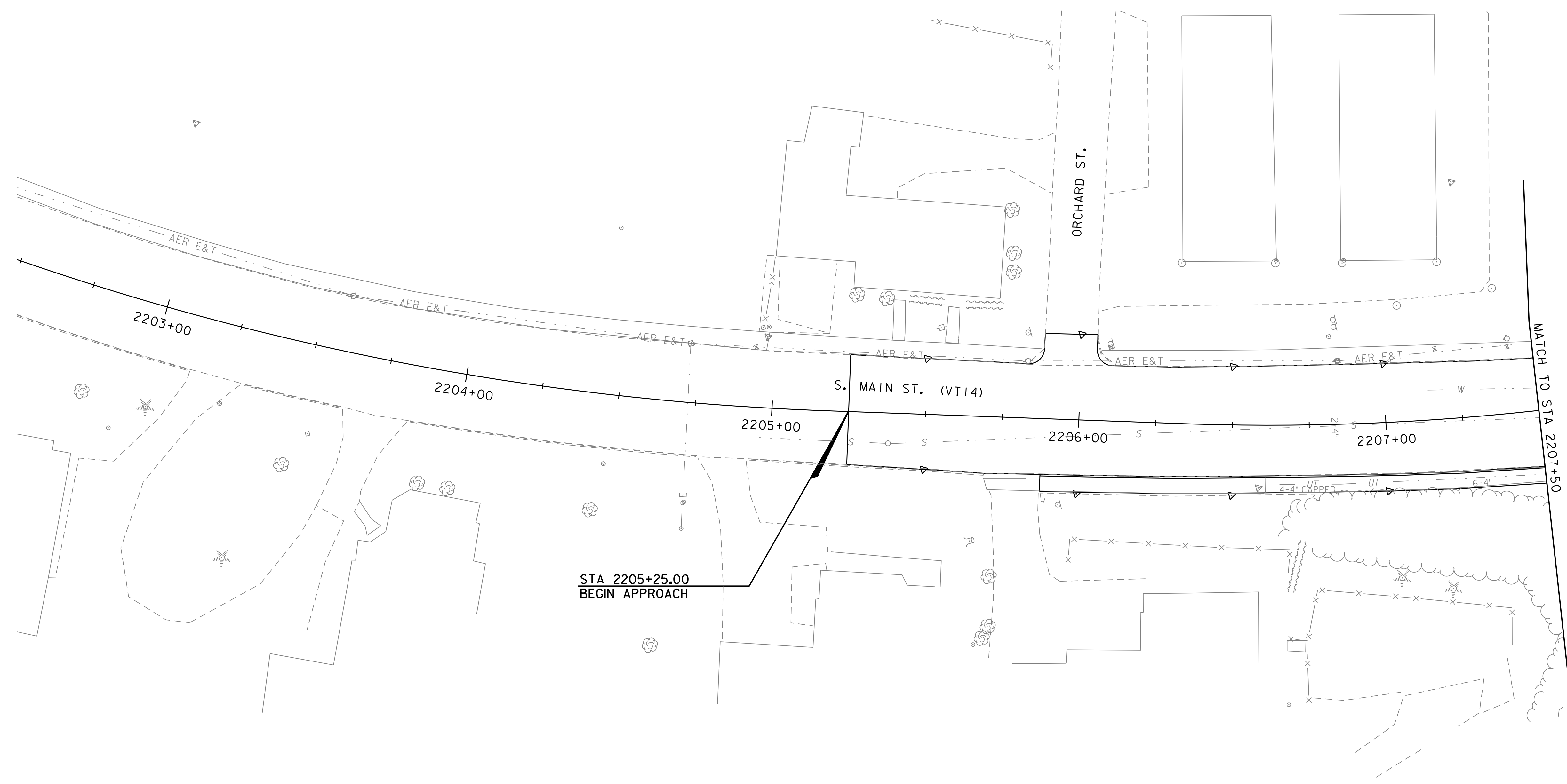
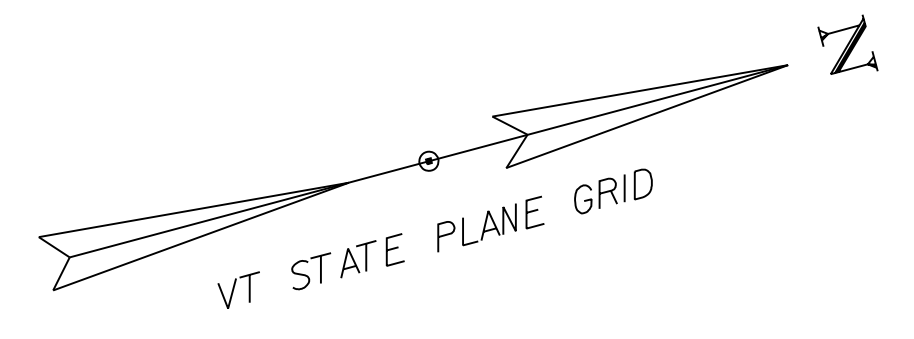
LEGEND	
	DISTURBED AREAS REQUIRING RE-VEGETATION
	LIMITS OF SOIL DISTURBANCE
	RIPARIAN BUFFER ZONE

NOTE: CROSS SECTIONS ARE TO BE USED TO SHOW CHANGES IN CONTOURS



PROJECT NAME: BARRE CITY / BARRE TOWN	
PROJECT NUMBER: MEGC M 6000(II)C/2	
FILE NAME: z83di06BDR.ER0FC.dgn	PLOT DATE: 11/29/2017
PROJECT LEADER: E.P. DETRICK	DRAWN BY: O.M. DARISSE
DESIGNED BY: O.M. DARISSE	CHECKED BY: E.P. DETRICK
FINAL CONDITIONS PLANS (5 OF 7)	SHEET 112 OF 147





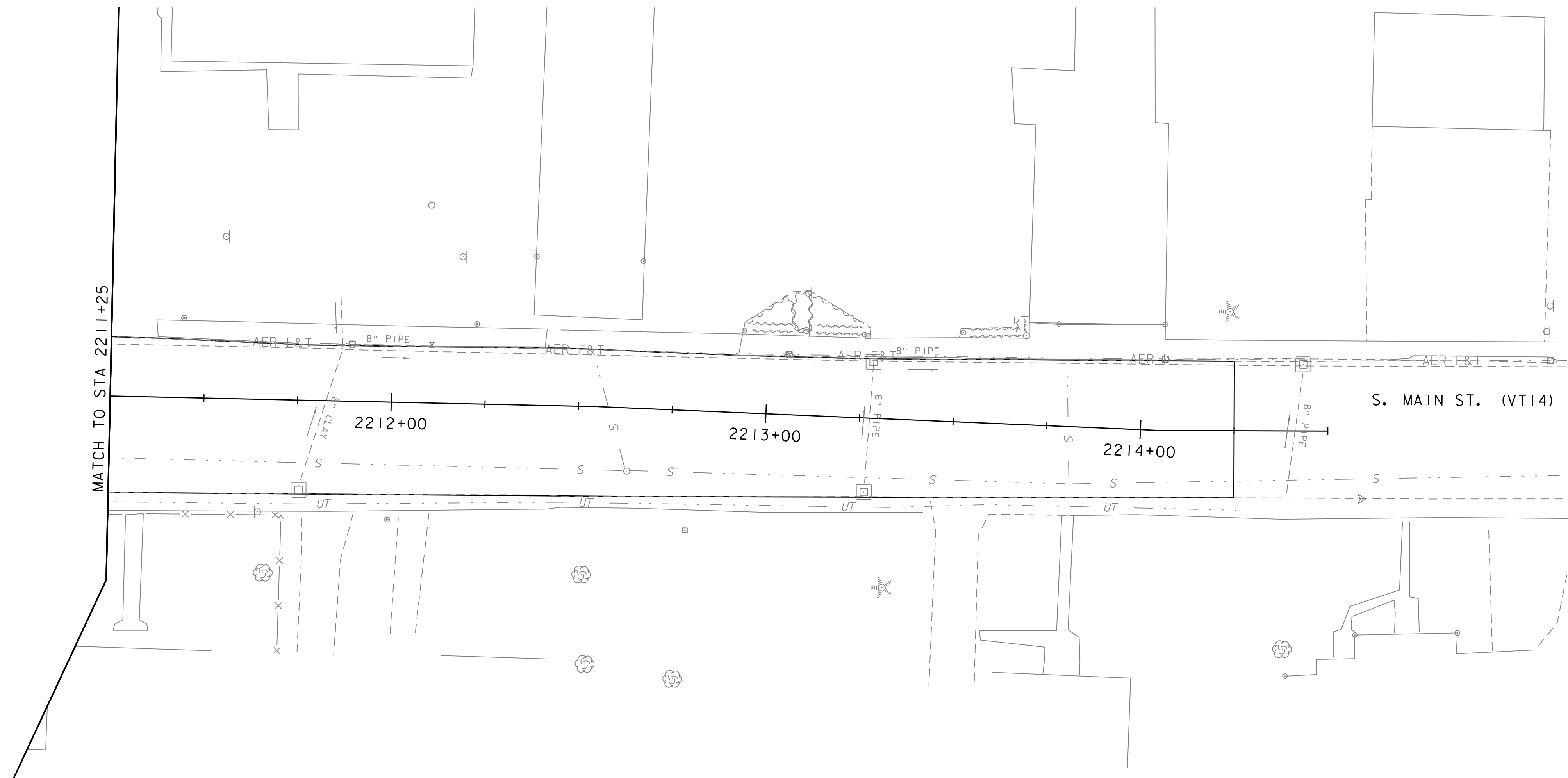
LEGEND

- DISTURBED AREAS REQUIRING RE-VEGETATION
- LIMITS OF SOIL DISTURBANCE
- RIPARIAN BUFFER ZONE

NOTE: CROSS SECTIONS ARE TO BE USED TO SHOW CHANGES IN CONTOURS



PROJECT NAME: BARRE CITY / BARRE TOWN	
PROJECT NUMBER: MEGC M 6000(II)C/2	
FILE NAME: z83di06BDR.ER0FC.dgn	PLOT DATE: 11/29/2017
PROJECT LEADER: E.P. DETRICK	DRAWN BY: O.DARISSE
DESIGNED BY: O.M. DARISSE	CHECKED BY: E.P. DETRICK
FINAL CONDITIONS PLANS (6 OF 7)	SHEET 113 OF 147



S. MAIN ST. (VT14)

2212+00

2213+00

2214+00

MATCH TO STA 2211+25

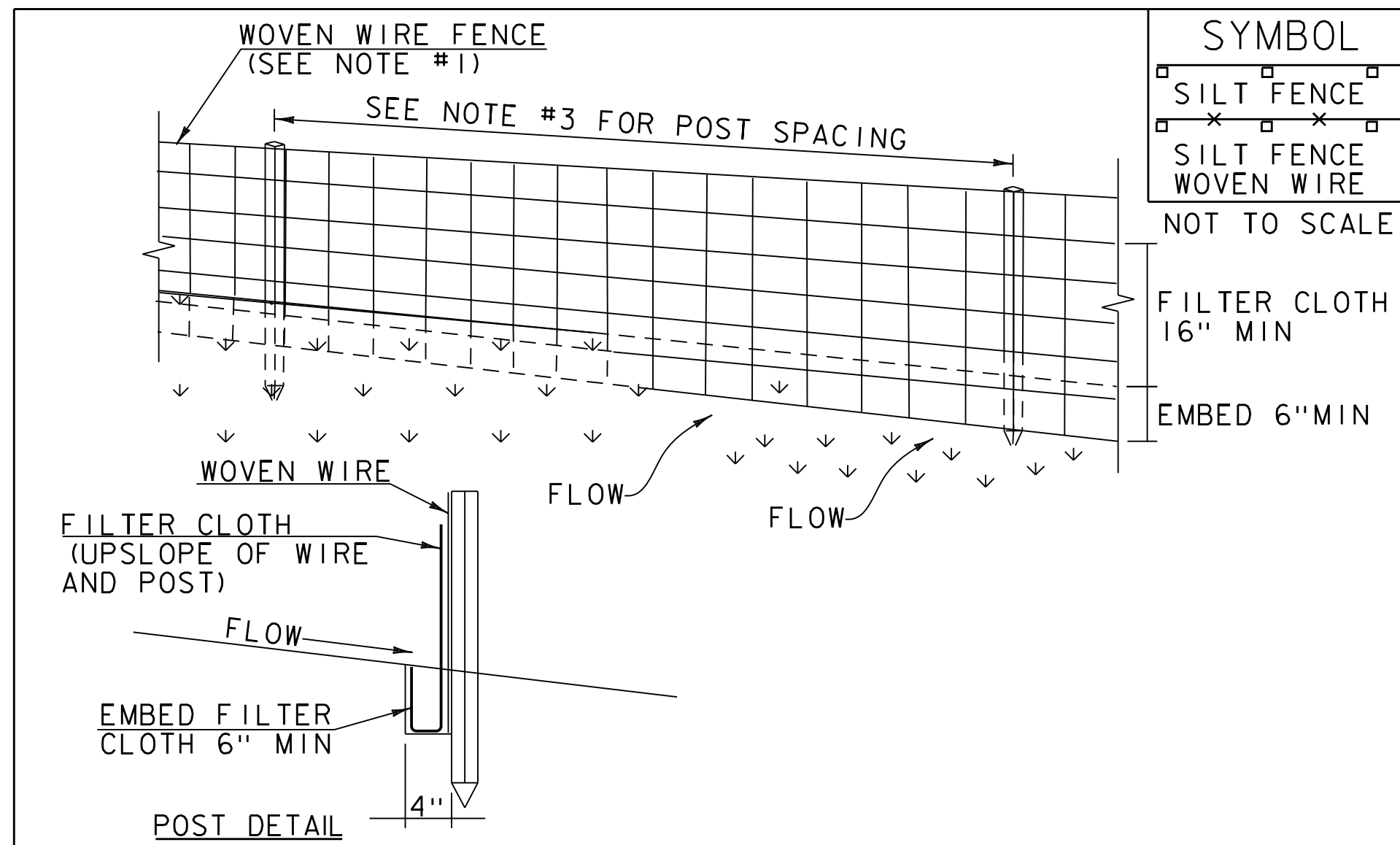
LEGEND

- DISTURBED AREAS REQUIRING RE-VEGETATION
- LIMITS OF SOIL DISTURBANCE
- RIPARIAN BUFFER ZONE

NOTE: CROSS SECTIONS ARE TO BE USED TO SHOW CHANGES IN CONTOURS



PROJECT NAME: BARRE CITY / BARRE TOWN	
PROJECT NUMBER: MEGC M 6000(II)C/2	
FILE NAME: z83di06BDR.ER0FC.dgn	PLOT DATE: 11/29/2017
PROJECT LEADER: E.P. DETRICK	DRAWN BY: O.DARISSE
DESIGNED BY: O.M. DARISSE	CHECKED BY: E.P. DETRICK
FINAL CONDITIONS PLANS (7 OF 7)	SHEET 114 OF 147



CONSTRUCTION SPECIFICATIONS

1. WOVEN WIRE REINFORCED FENCE IS REQUIRED WITHIN 100' UPSLOPE OF RECEIVING WATERS WHEN THE PROJECT FALLS UNDER A CONSTRUCTION STORMWATER PERMIT. WOVEN WIRE SHALL BE A MIN. 14 GAUGE WITH A 6" MAX. MESH OPENING.
2. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAF1100X, STABILINKA T140N OR APPROVED EQUIVALENT.
3. POST SPACING FOR WIRE-BACKED FENCE SHALL BE 10' MAXIMUM. FOR FILTER-CLOTH FENCE, WHEN ELONGATION IS >50%, POST SPACING SHALL NOT EXCEED 4' AND WHEN ELONGATION IS <50%, POST SPACING SHALL NOT EXCEED 6'.
4. WOVEN WIRE FENCE IS TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES. FILTER CLOTH IS TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
5. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY 6" AND FOLDED.
6. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN SEDIMENT REACHES HALF OF FABRIC HEIGHT.

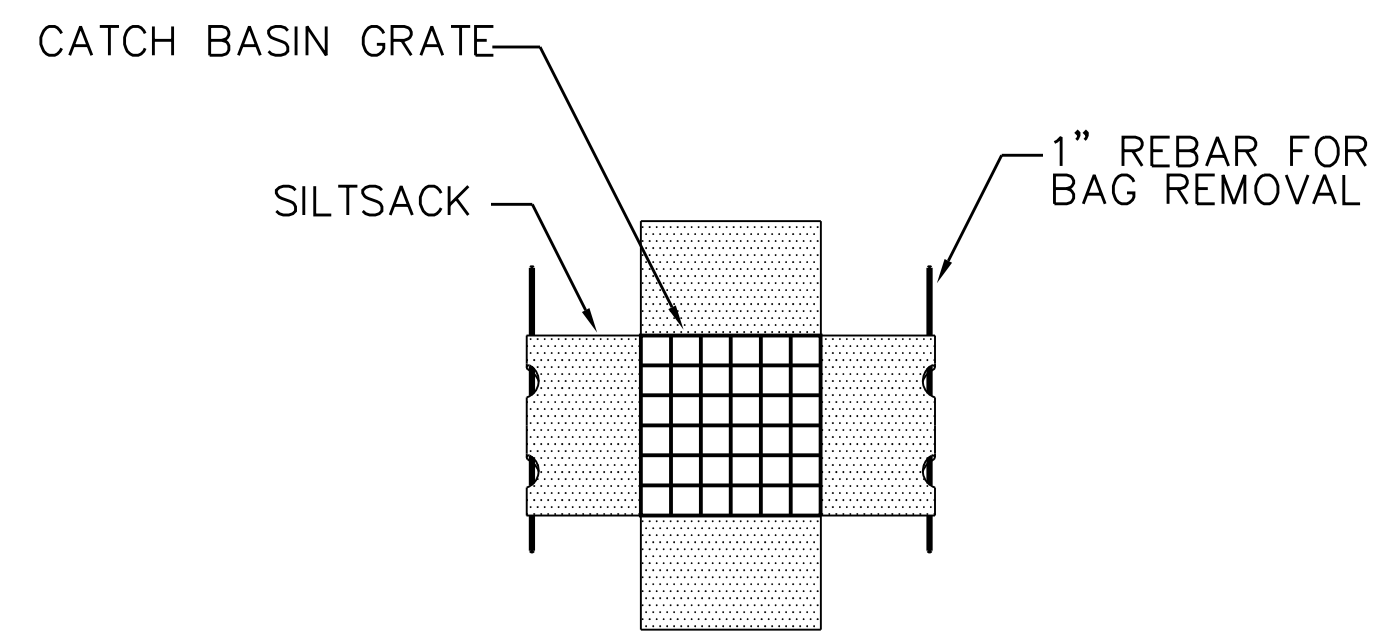
ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC
 ORIGINALLY DEVELOPED BY USDA-NRCS
 VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SILT FENCE

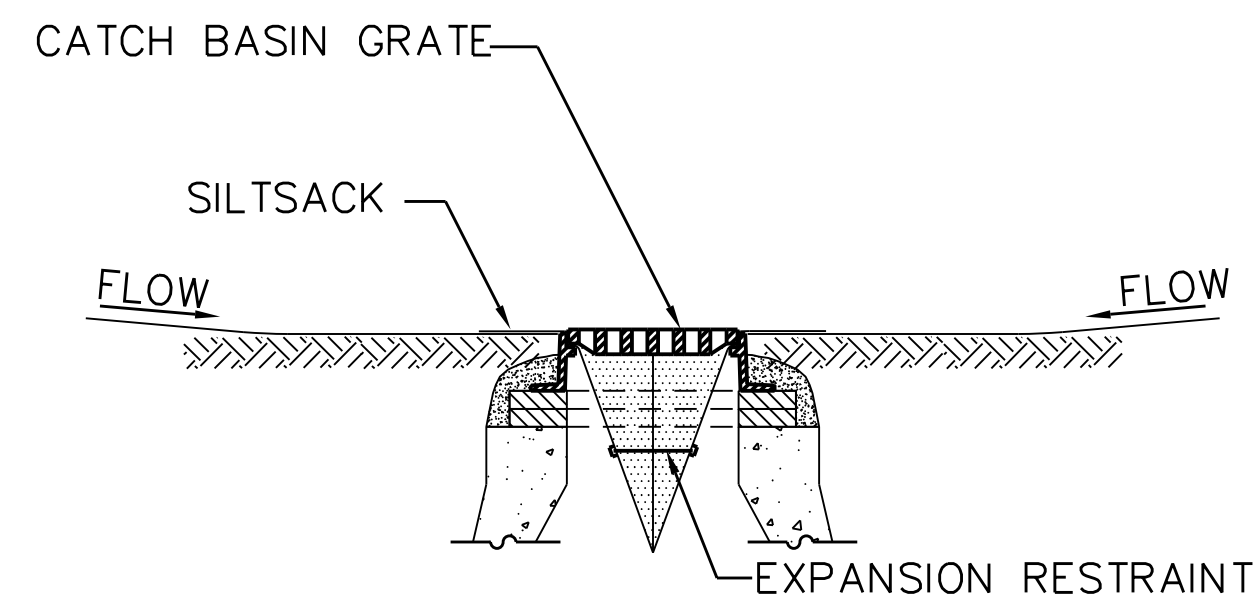
NOTES:
 REFER TO "THE VERMONT STANDARDS & SPECIFICATIONS FOR EROSION PREVENTION & SEDIMENT CONTROL -2006- " FROM THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL GUIDANCE.

THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 649 AND AS SHOWN IN THE PLANS FOR GEOTEXTILE FOR SILT FENCE (PAY ITEM 649.51) OR GEOTEXTILE FOR SILT FENCE, WOVEN WIRE REINFORCED (PAY ITEM 649.515).

REVISIONS		
MARCH 21, 2008	WHF	
DECEMBER 11, 2008	WHF	
JANUARY 13, 2009	WHF	



PLAN VIEW



SECTION VIEW

INLET PROTECTION DEVICE, TYPE II
 NTS

Notes:

1. INSTALL SILTSACK IN ALL CATCH BASINS WHERE INDICATED ON THE PLAN BEFORE COMMENCING WORK OR IN PAVED AREAS AFTER BINDER COURSE IS PLACED AND HAY BALES HAVE BEEN REMOVED.
2. GRATE TO BE PLACED OVER SILTSACK.
3. SILTSACK SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS AND CLEANING OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED. MAINTAIN UNTIL UPSTREAM AREAS HAVE BEEN PERMANENTLY STABILIZED
4. THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 653 FOR INLET PROTECTION DEVICE, TYPE II (PAY ITEM 653.41)

VAOT URBAN LAWN MIX

WEIGHT	LBS/AC		NAME	LATIN NAME	GERM	PURITY
	BROADCAST	HYDROSEED				
42.5%	34	68	CREEPING RED FESCUE	FESTUCA RUBRA X RUBRA	85%	98%
20.0%	16	32	PERENNIAL RYE GRASS	LOLIUM PERENNE	90%	95%
32.5%	26	52	KENTUCKY BLUE GRASS	POA PRATENSIS	85%	85%
5.0%	4	8	ANNUAL RYE GRASS	LOLIUM MULTIFLORUM	85%	95%
100%	80	160				

GENERAL AMENDMENT GUIDANCE		
FERTILIZER	LIME	
10/20/10	AG LIME	PELLITIZED
500 LBS/AC	2 TONS/AC	1 TONS/AC

CONSTRUCTION GUIDANCE

1. SEED MIX: THE URBAN AREA MIX SHALL NOT BE USED IN WETLANDS OR ANY WATERS OF THE STATE OF VERMONT.
2. SEED MIX: USE ONLY AS INDICATED IN THE PLANS.
3. SEED MIX: SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS SEED.
4. FERTILIZER AND LIMESTONE: SHALL FOLLOW RATES SHOWN ON PLAN OR AS DIRECTED BY THE ENGINEER
5. HAY MULCH: TO BE PLACED ON EARTH SLOPES AT THE RATE OF 2 TONS/ACRE, ACHIEVE 90% GROUND COVER OR AS DIRECTED BY THE ENGINEER.
6. HYDROSEEDING: ALTHOUGH GUIDANCE IS GIVEN ABOVE THE SITE CONDITIONS AND THE TYPE OF HYDROSEED WILL ULTIMATELY DICTATE THE AMOUNTS AND TYPES OF SOIL AMENDMENTS TO BE APPLIED
7. TURF ESTABLISHMENT: PLACING SEED, FERTILIZER, LIME AND MULCH PRIOR TO SEPTEMBER 15 AND AFTER APRIL 15 CAN BETTER ENSURE A VIGOROUS GROWTH OF GRASS.

ADAPTED FROM VTRANS TECHNICAL LANDSCAPE MANUAL FOR ROADWAYS AND TRANSPORTATION FACILITIES

TURF ESTABLISHMENT

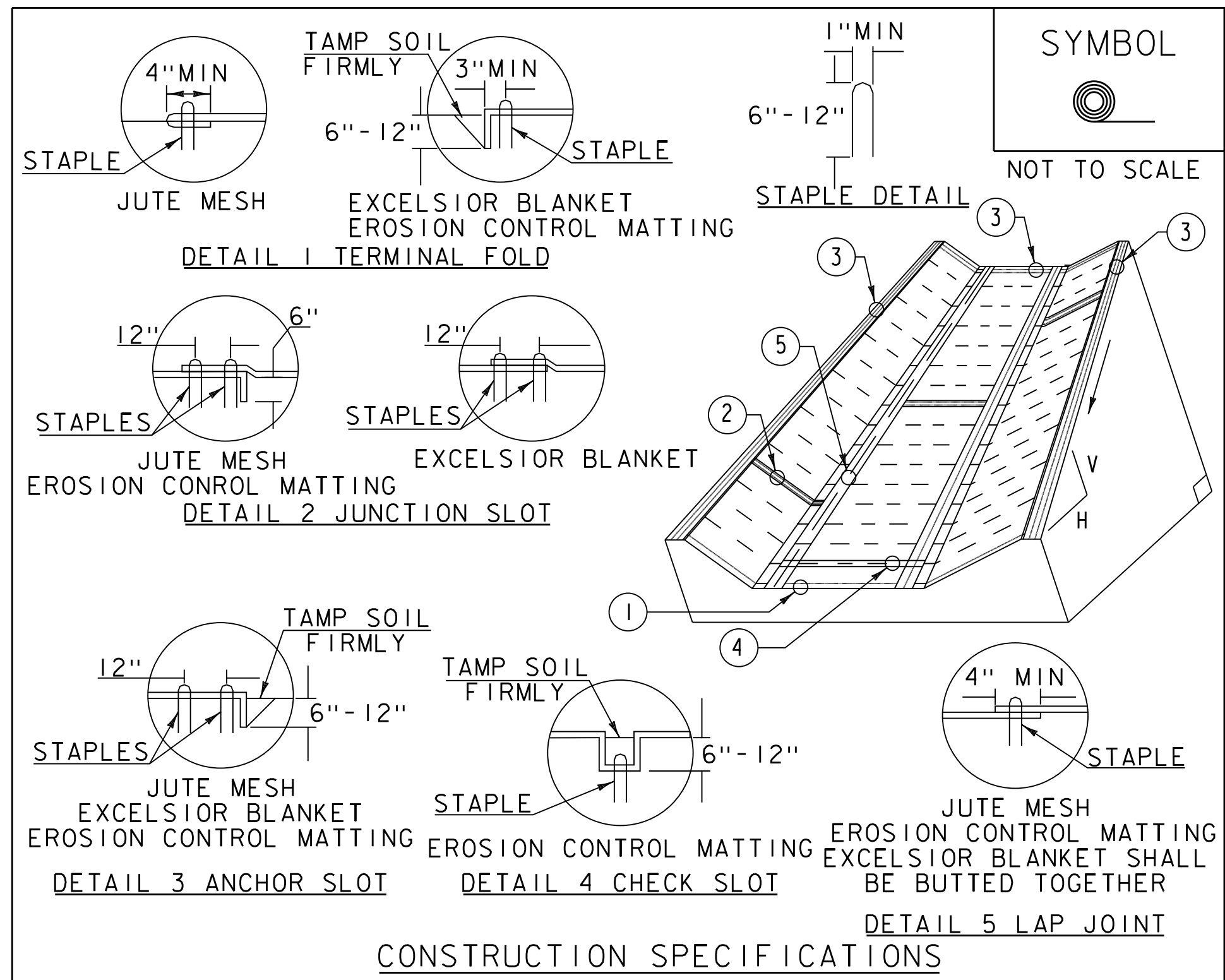
THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 651 FOR SEED (PAY ITEM 651.5)

REVISIONS		
JANUARY 22, 2015	WHF	

PROJECT NAME: BARRE CITY / BARRE TOWN
 PROJECT NUMBER: MEGC M 6000(III)C/2

FILE NAME: z83d106_BDR_ERODET.dgn
 PROJECT LEADER: E.P. DETRICK
 DESIGNED BY: B.O. CRONIN
 EPSC DETAILS

PLOT DATE: 11/29/2017
 DRAWN BY: B.O. CRONIN
 CHECKED BY: E.P. DETRICK
 SHEET 115 OF 147



CONSTRUCTION SPECIFICATIONS

1. EROSION MATTING, CHECK SLOTS, SHALL BE SPACED IN DITCH CHANNEL SO THAT ONE OCCURS WITHIN EACH 50' ON SLOPES OF MORE THAN 4% AND LESS THAN 6%. ON SLOPES OF 6% OR MORE, THEY SHALL BE SPACED SO THAT ONE OCCURS WITHIN EACH 25'.
2. APPLY FERTILIZER, LIME SEED PRIOR TO PLACING MATTING.
3. STAPLES ARE TO BE PLACED ALTERNATELY, IN COLUMNS APPROXIMATELY 2' APART AND IN ROWS APPROXIMATELY 3' APART. APPROXIMATELY 175 STAPLES ARE REQUIRED PER 4' X 225' ROLL OF MATERIAL AND 125 STAPLES ARE REQUIRED PER 4' X 150' ROLL OF MATERIAL.
4. DISTURBED AREAS SHALL BE SMOOTHLY GRADED. EROSION CONTROL MATERIAL SHALL BE PLACED LOOSELY OVER GROUND SURFACE. DO NOT STRETCH.
5. ALL TERMINAL ENDS AND TRANSVERSE LAPS SHALL BE STAPLED AT APPROXIMATELY 12" INTERVALS.

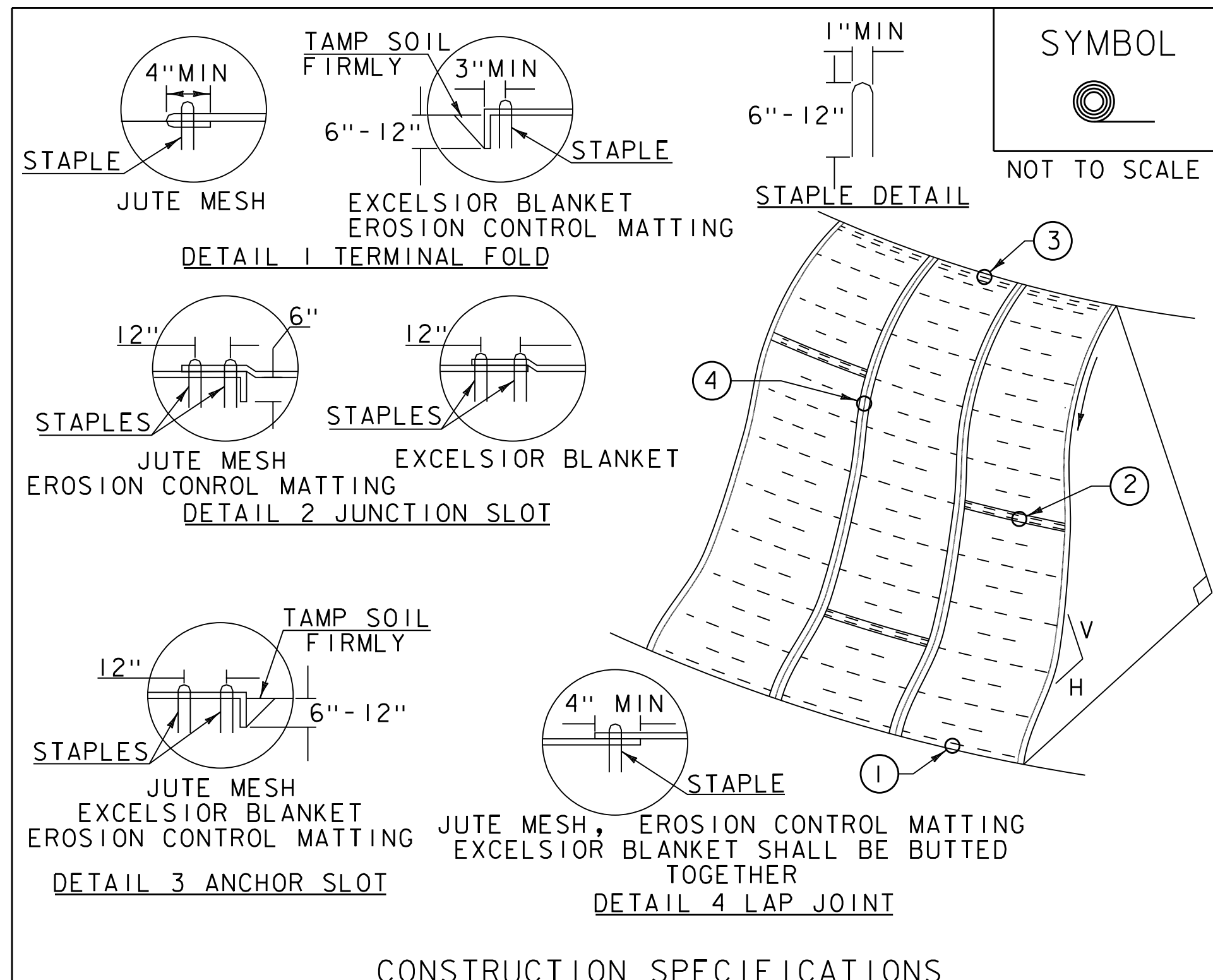
ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC
ORIGINALLY DEVELOPED BY USDA-NRCS
VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION

**ROLLED EROSION
CONTROL PRODUCT
(RECP) DITCH**

NOTES:
REFER TO "THE VERMONT STANDARDS & SPECIFICATIONS FOR
EROSION PREVENTION & SEDIMENT CONTROL -2006- "FROM
THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL
GUIDANCE.

THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION
653 AND AS SHOWN IN THE PLANS FOR TEMPORARY EROSION
MATTING (PAY ITEM 653.20) OR PERMANENT EROSION MATTING
(PAY ITEM 653.21).

REVISIONS		
MARCH 8, 2007	JMF	
APRIL 16, 2007	WHF	
JANUARY 13, 2009	WHF	



CONSTRUCTION SPECIFICATIONS

1. APPLY TO SLOPES GREATER THAN 3H:1V OR WHERE NECESSARY TO AID IN ESTABLISHING VEGETATION.
2. APPLY FERTILIZER, LIME SEED PRIOR TO PLACING MATTING.
3. STAPLES ARE TO BE PLACED ALTERNATELY, IN COLUMNS APPROXIMATELY 2' APART AND IN ROWS APPROXIMATELY 3' APART. APPROXIMATELY 175 STAPLES ARE REQUIRED PER 4' X 225' ROLL OF MATERIAL AND 125 STAPLES ARE REQUIRED PER 4' X 150' ROLL OF MATERIAL.
4. DISTURBED AREAS SHALL BE SMOOTHLY GRADED. EROSION CONTROL MATERIAL SHALL BE PLACED LOOSELY OVER GROUND SURFACE. DO NOT STRETCH.
5. ALL TERMINAL ENDS AND TRANSVERSE LAPS SHALL BE STAPLED AT APPROXIMATELY 12" INTERVALS.

ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC
ORIGINALLY DEVELOPED BY USDA-NRCS
VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION

**ROLLED EROSION
CONTROL PRODUCT
(RECP) SIDE SLOPE**

NOTES:
REFER TO "THE VERMONT STANDARDS & SPECIFICATIONS FOR
EROSION PREVENTION & SEDIMENT CONTROL -2006- "FROM
THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL
GUIDANCE.

THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION
653 AND AS SHOWN IN THE PLANS FOR TEMPORARY EROSION
MATTING (PAY ITEM 653.20) OR PERMANENT EROSION MATTING
(PAY ITEM 653.21).

REVISIONS		
APRIL 16, 2007	JMF	
JANUARY 13, 2009	WHF	

VAOT LOW GROW/FINE FESCUE MIX						
WEIGHT	LBS/AC		NAME	LATIN NAME	GERM	PURITY
	BROADCAST	HYDROSEED				
38%	57	95	CREeping RED FESCUE	FESTUCA RUBRA VAR. RUBRA	90%	98%
29%	43.5	72.5	HARD FESCUE	FESTUCA LONGIFOLIA	85%	95%
15%	22.5	37.5	CHEWINGS FESCUE	FESTUCA RUBRA VAR. COMMUTATA	87%	95%
15%	22.5	37.5	ANNUAL RYEGRASS	LOLIUM MULTIFLORUM	90%	95%
3%	4.5	7.5	INERTS			
100%	150	250				

VAOT RURAL AREA MIX						
WEIGHT	LBS/AC		NAME	LATIN NAME	GERM	PURITY
	BROADCAST	HYDROSEED				
37.5%	22.5	45	CREeping RED FESCUE	FESTUCA RUBRA VAR. RUBRA	85%	98%
37.5%	22.5	45	TALL FESCUE	FESTUCA ARUNDINACEA	90%	95%
5.0%	3	6	RED TOP	AGROSTIS GIGANTEA	90%	95%
15.0%	9	18	WHITE FIELD CLOVER	TRIFOLIUM REPENS	85%	98%
5.0%	3	6	ANNUAL RYE GRASS	LOLIUM MULTIFLORUM	85%	95%
100%	60	120				

GENERAL AMENDMENT GUIDANCE

FERTILIZER	LIME	
10/20/10	AG LIME	PELLITIZED
500 LBS/AC	2 TONS/AC	1 TONS/AC

CONSTRUCTION GUIDANCE

1. SEED MIX: THE CONTRACTOR SHALL COORDINATE WITH THE RESIDENT ENGINEER ON WHICH SEED MIX TO USE.
2. SEED MIX: USE AS INDICATED IN THE PLANS AND/OR FOR ALL ESTABLISHED UPLAND (NON WETLAND) AREAS DISTURBED BY THE CONTRACTOR.
3. ALL SEED MIXTURES: SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS SEED.
4. FERTILIZER AND LIMESTONE: SHALL FOLLOW RATES SHOWN ON PLAN OR AS DIRECTED BY THE ENGINEER.
5. HAY MULCH: TO BE PLACED ON EARTH SLOPES AT THE RATE OF 2 TONS/ACRE, ACHIEVE 90% GROUND COVER OR AS DIRECTED BY THE ENGINEER.
6. HYDROSEEDING: ALTHOUGH GUIDANCE IS GIVEN ABOVE THE SITE CONDITIONS AND THE TYPE OF HYDROSEED PROPOSED FOR USE WILL ULTIMATELY DICTATE THE AMOUNTS AND TYPES OF SOIL AMENDMENTS TO BE APPLIED.
7. TURF ESTABLISHMENT: PLACING SEED, FERTILIZER, LIME AND MULCH PRIOR TO SEPTEMBER 15 AND AFTER APRIL 15 CAN BETTER ENSURE A VIGOROUS GROWTH OF GRASS.

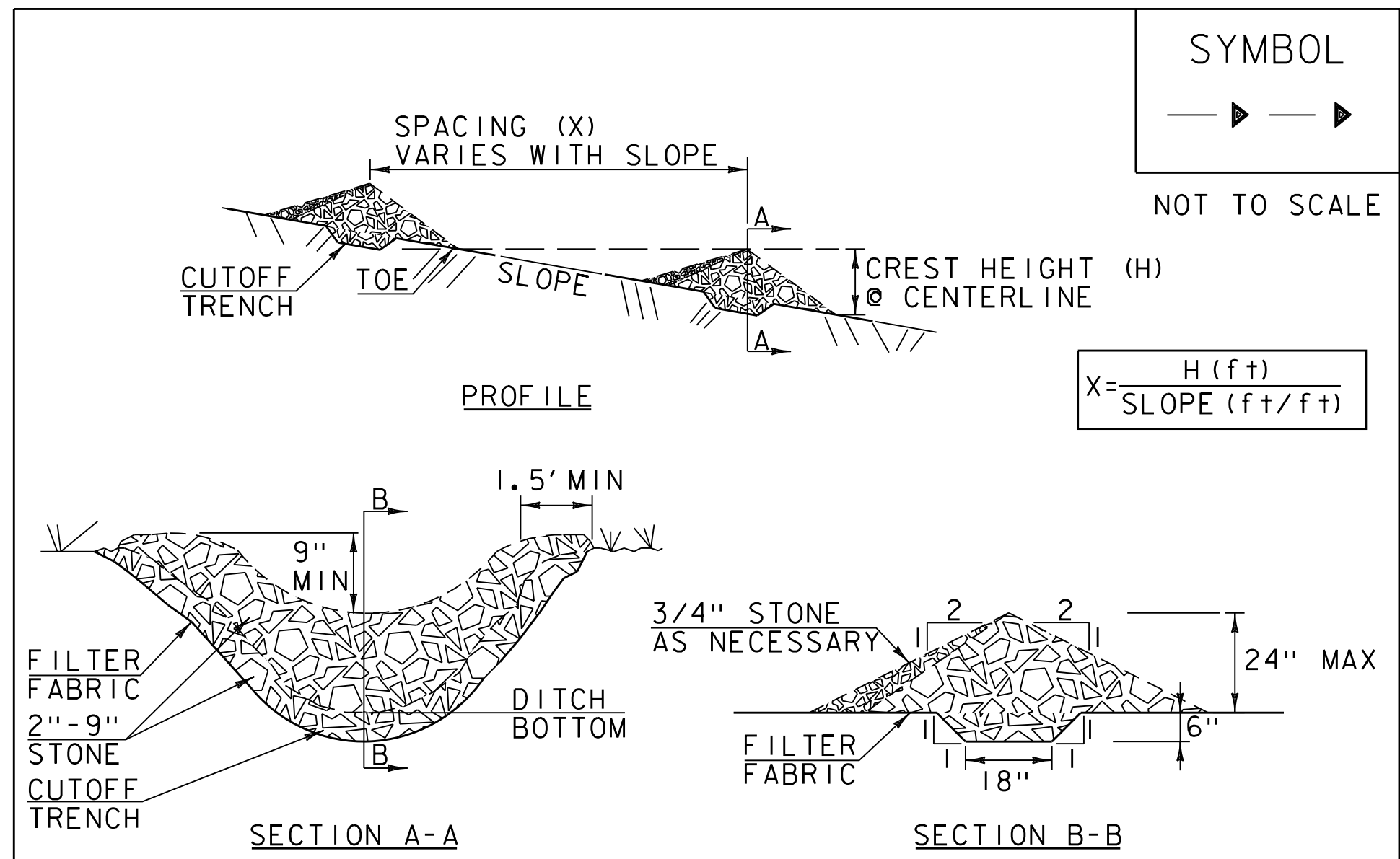
ADAPTED FROM VTRANS TECHNICAL LANDSCAPE MANUAL FOR
ROADWAYS AND TRANSPORTATION FACILITIES


TURF ESTABLISHMENT

THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH
SECTION 651 FOR SEED (PAY ITEM 651.15)

REVISIONS		
JANUARY 12, 2015	WHF	

PROJECT NAME:	BARRE CITY / BARRE TOWN
PROJECT NUMBER:	MEGC M 6000(II)C/2
FILE NAME:	z83d106_BDR_ERODET.dgn
PROJECT LEADER:	E.P. DETRICK
DESIGNED BY:	B.O. CRONIN
EPSC DETAILS	
PLOT DATE:	11/29/2017
DRAWN BY:	B.O. CRONIN
CHECKED BY:	E.P. DETRICK
SHEET	116 OF 147



SYMBOL

 NOT TO SCALE

$$X = \frac{H (ft)}{\text{SLOPE } (ft/ft)}$$

CONSTRUCTION SPECIFICATIONS

1. STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION.
2. CHECK DAMS SHALL BE SPACED SO THAT THE ELEVATION OF THE CREST OF THE DOWNSTREAM DAM IS AT THE SAME ELEVATION AS THE TOE OF THE UPSTREAM DAM.
3. 3/4" FILTERING STONE MAY BE ADDED TO THE FACE OF THE CHECK DAM AS NECESSARY.
4. EXTEND THE STONE A MINIMUM OF 1.5' BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.
5. PROTECT CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LINER AS APPROPRIATE.
6. ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONE.
7. MAXIMUM DRAINAGE AREA 2 ACRES.

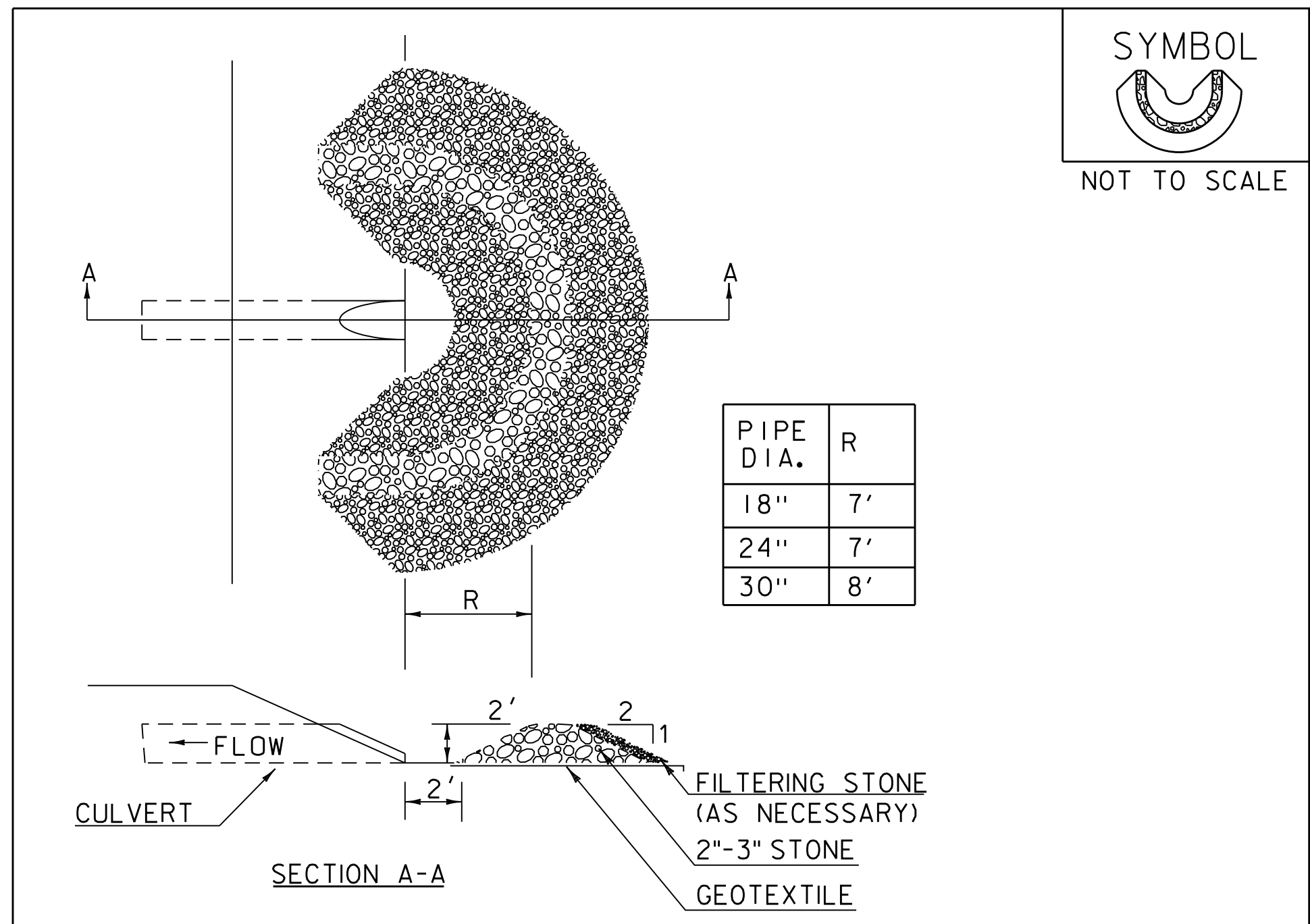
ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC
 ORIGINALLY DEVELOPED BY USDA-NRCS
 VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION

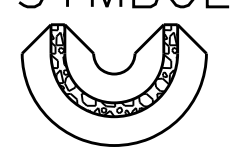
CHECK DAM

NOTES:
 REFER TO "THE VERMONT STANDARDS & SPECIFICATIONS FOR EROSION PREVENTION & SEDIMENT CONTROL -2006-" FROM THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL GUIDANCE.

THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 653 FOR TEMPORARY STONE CHECK DAM, TYPE I (PAY ITEM 653.25)

REVISIONS	
MARCH 21, 2008	WHF
JANUARY 8, 2009	WHF



SYMBOL

 NOT TO SCALE

PIPE DIA.	R
18"	7'
24"	7'
30"	8'

CONSTRUCTION SPECIFICATIONS

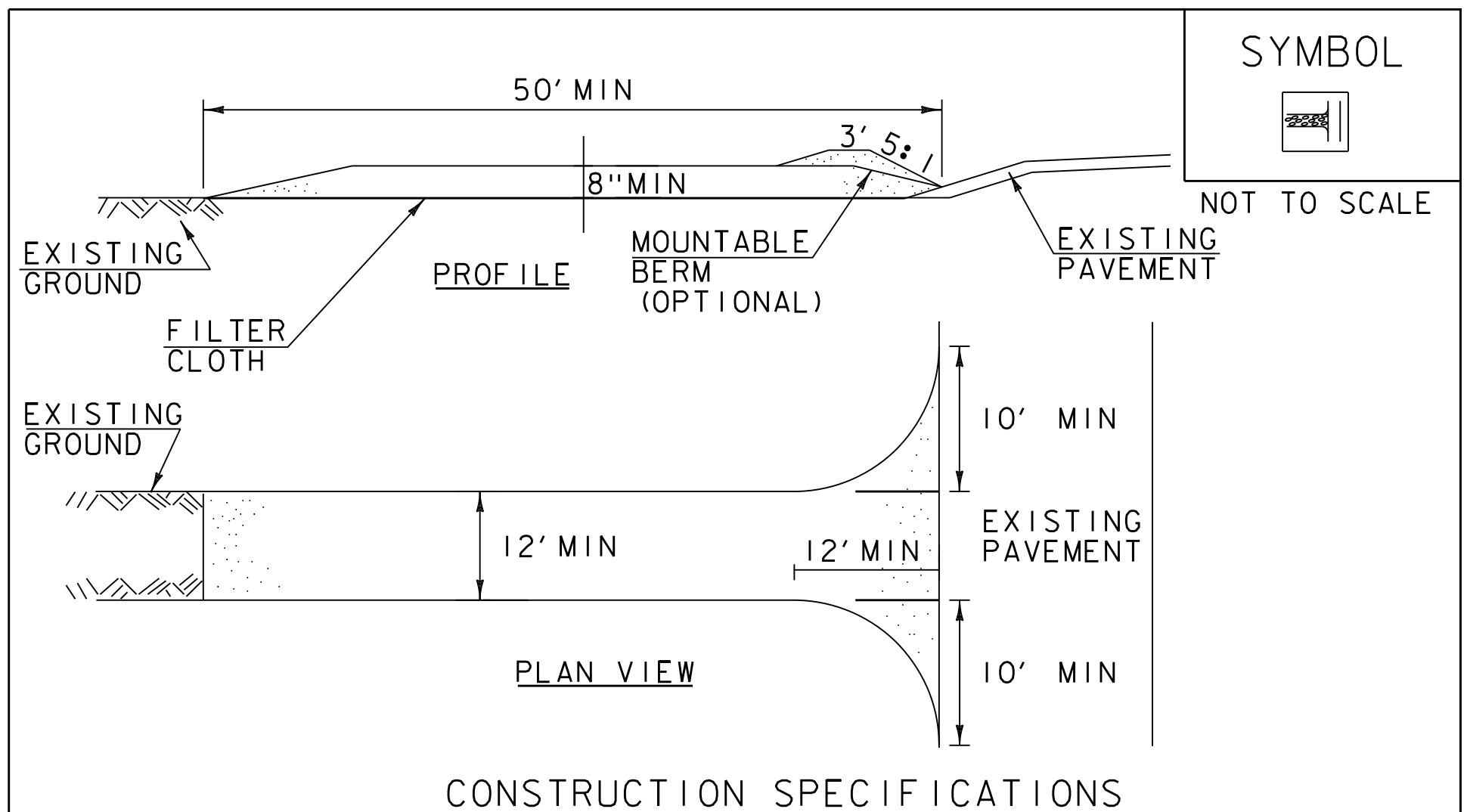
1. USE 2" TO 3" STONE. FILTERING STONE SHALL BE 3/4".
2. PLACE STONE OVER GEOTEXTILE.
3. ONCE THE AREAS UPSTREAM FROM THE CHECK DAM ARE STABILIZED WITH VEGETATION, THE SEDIMENT TRAPPED BEHIND THE DAM SHALL BE DISPOSED OF IN AN APPROVED WASTE AREA.
4. THE CHECK DAM(S) SHALL BE FLATTENED AND GRADED IN A MANNER WHICH PROTECTS THE AREA FROM EROSION AND CHANNEL BLOCKAGE. (GEOTEXTILE MUST BE REMOVED).
5. THE GEOTEXTILE MUST BE DISPOSED OF APPROPRIATELY.
6. THE AREA CONTRIBUTING TO THE CHECK DAM SHALL NOT EXCEED 4 ACRES.

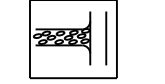
ADAPTED FROM DETAILS PROVIDED BY: ILLINOIS USDA-NRCS
 ORIGINALLY DEVELOPED BY USDA-NRCS

PIPE INLET PROTECTION

THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 653 FOR INLET PROTECTION DEVICE, TYPE I (PAY ITEM 653.40).

REVISIONS	
MARCH 6, 2008	WHF
JANUARY 13, 2009	WHF



SYMBOL

 NOT TO SCALE

CONSTRUCTION SPECIFICATIONS

1. STONE SIZE- USE 1-4" STONE, RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH- NOT LESS THAN 50' (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30' MINIMUM LENGTH APPLIES).
3. THICKNESS- NOT LESS THAN 8".
4. WIDTH- 12' MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. 24' IF SINGLE ENTRANCE TO SITE.
5. GEOTEXTILE MUST BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING STONE.
6. SURFACE WATER- ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY, ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED ACCORDING TO PERMIT REQUIREMENTS.

ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC
 ORIGINALLY DEVELOPED BY USDA-NRCS
 VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION

STABILIZED CONSTRUCTION ENTRANCE

NOTES:
 REFER TO "THE VERMONT STANDARDS & SPECIFICATIONS FOR EROSION PREVENTION & SEDIMENT CONTROL -2006-" FROM THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL GUIDANCE.

THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 653 FOR VEHICLE TRACKING PAD (PAY ITEM 653.35) OR AS SPECIFIED IN THE CONTRACT.

REVISIONS	
MARCH 24, 2008	WHF
JANUARY 13, 2009	WHF

PROJECT NAME: BARRE CITY / BARRE TOWN
 PROJECT NUMBER: MEGC M 6000(II)C/2

FILE NAME: z83d106_BDR_ERODET.dgn PLOT DATE: 11/29/2017
 PROJECT LEADER: E.P. DETRICK DRAWN BY: B.O. CRONIN
 DESIGNED BY: B.O. CRONIN CHECKED BY: E.P. DETRICK
 EPSC DETAILS SHEET 117 OF 147