

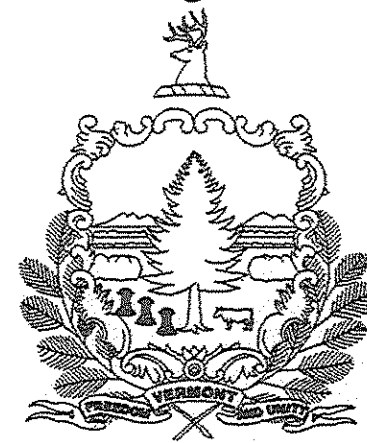
INDEX OF SHEETS

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3	-	QUANTITY SHEET
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F-4	CHAIN LINK FENCE, TYPE II	06/01/94

STATE OF VERMONT
AGENCY OF TRANSPORTATION



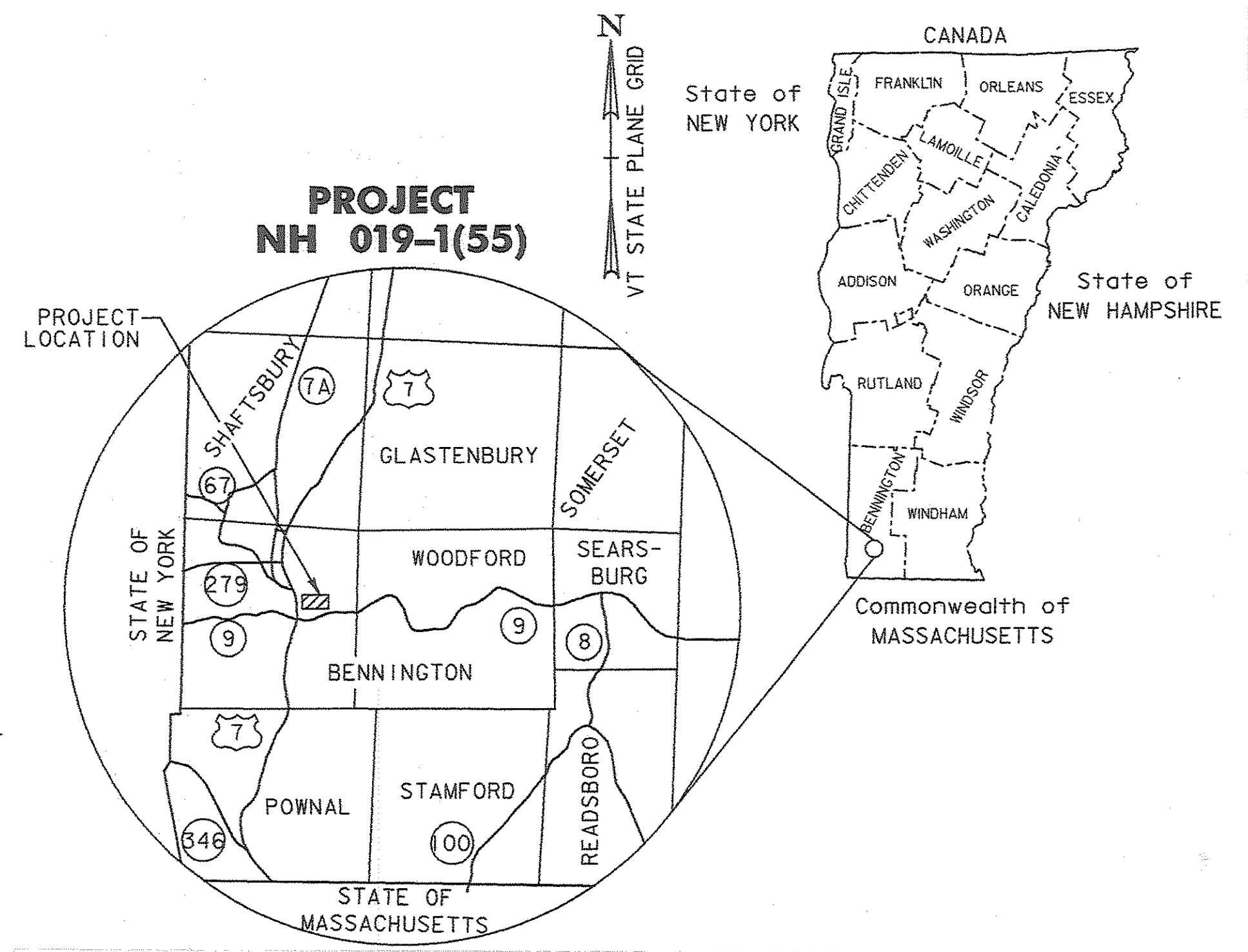
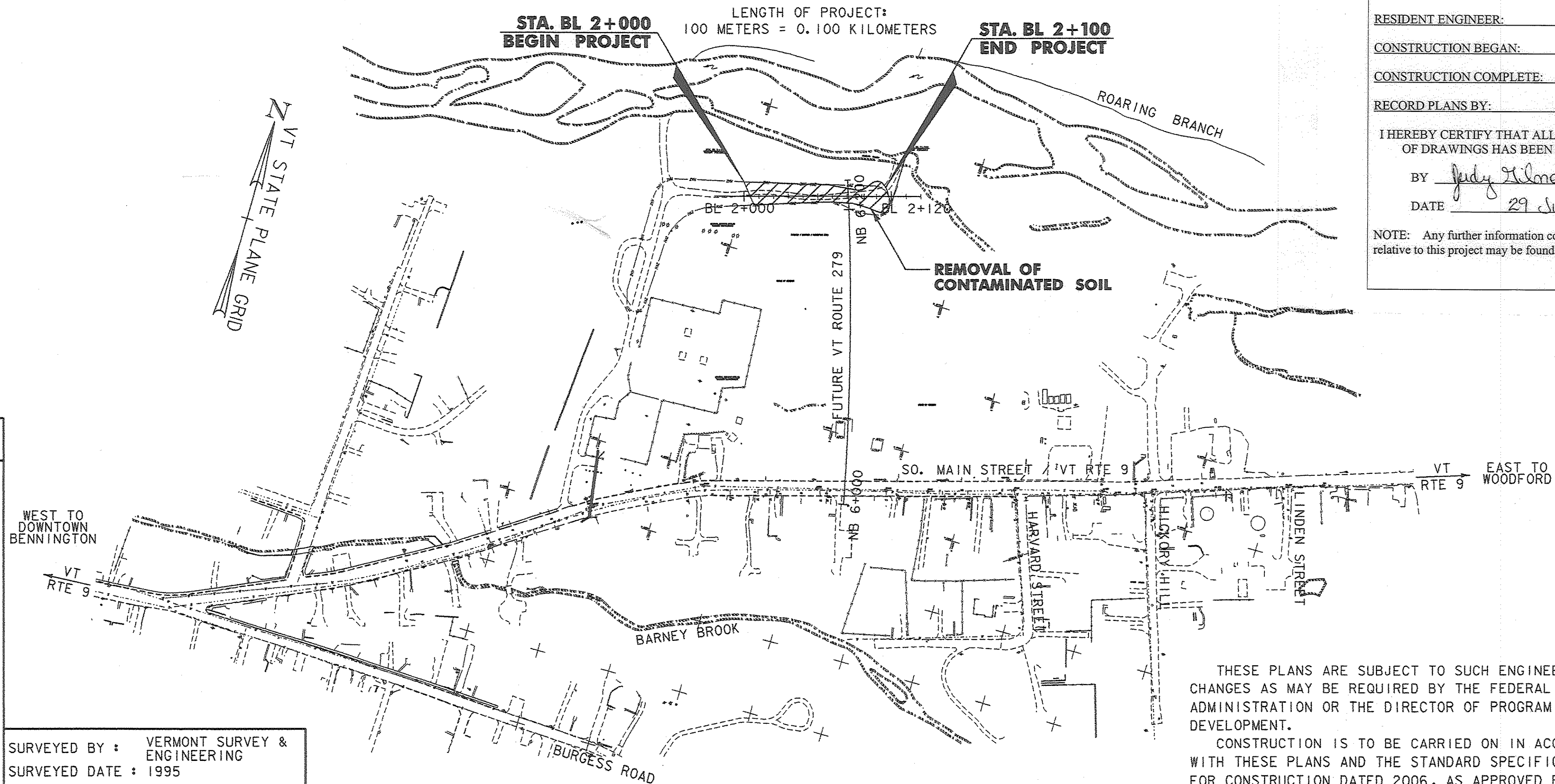
PROPOSED IMPROVEMENT
TOWN OF BENNINGTON
COUNTY OF BENNINGTON
WWII VETERANS MEMORIAL HIGHWAY
VT ROUTE 279, PRINCIPAL ARTERIAL
BENNINGTON NH 019-1(55)

BEGINNING AT STA. NB 6+210, AT A POINT APPROXIMATELY 190 METERS NORTH OF VT ROUTE 9 EXTENDING PARALLEL TO VT ROUTE 9, 71 METERS LEFT OF STA. NB 6+210 TO 29 METERS RIGHT OF STA. NB 6+210. WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES REMOVAL, TREATMENT AND DISPOSAL OF CONTAMINATED SOILS. THIS CONTRACT ALSO INCLUDES CONSTRUCTION OF A TEMPORARY ROAD TO ACCESS THE CONTAMINATED SOILS SITE.

LENGTH OF PROJECT:
100 METERS = 0.100 KILOMETERS

STA. BL 2+000
BEGIN PROJECT

STA. BL 2+100
END PROJECT



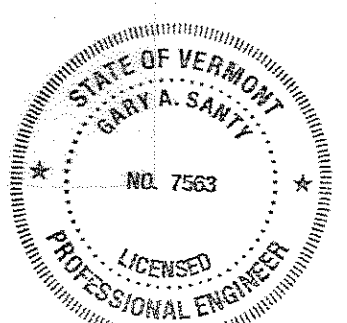
RECORD PLANS

CONTRACTOR:	PIKE INDUSTRIES, INC. - BERLIN, VT
RESIDENT ENGINEER:	JUDY GILMORE
CONSTRUCTION BEGAN:	JULY 15, 2008
CONSTRUCTION COMPLETE:	SEPTEMBER 12, 2008
RECORD PLANS BY:	JUDY GILMORE, N. GARBACK

I HEREBY CERTIFY THAT ALL THE CONSTRUCTION REQUIRED BY THIS SET OF DRAWINGS HAS BEEN ACCOMPLISHED AS INDICATED HEREIN.

BY Judy Gilmore RESIDENT ENGINEER
DATE 29 Jun 2009

NOTE: Any further information concerning final quantities, amounts or other details relative to this project may be found at Central Files in the electronic archives.



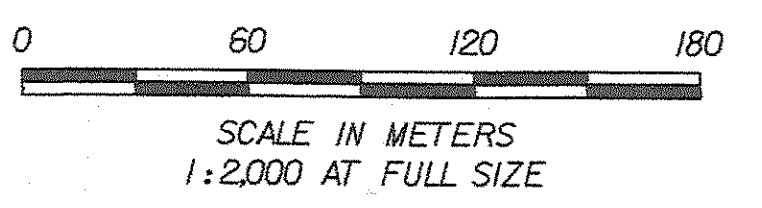
Handwritten signature and date: May 6/03/2008

CONVENTIONAL SYMBOLS

COUNTY LINE	— — — — —
TOWN LINE	— — — — —
LIMITS OF ACCESS	— — — — —
POINT OF ACCESS	X
FENCE LINE	X — X — X — X —
STONE WALL	— — — — —
TRAVELED WAY	— — — — —
GUARDRAIL	— — — — —
RAILROAD	— — — — —
SURVEY LINE	— — — — —
CULVERT	— — — — —
POWER POLE	— — — — —
TELEPHONE POLE	— — — — —
TREES	— — — — —
CONTROL OF ACCESS	— — — — —
PROPERTY LINE	— — — — —
R.O.W. TAKING LINE	— — — — —
SLOPE RIGHTS	— — — — —
TOP OF CUT	— — — — —
TOE OF SLOPE	— — — — —
ARCHEOLOGICAL	— — — — —
CLEAR ZONE	— — — — —
WETLAND DELINEATION	— — — — —

SURVEYED BY : VERMONT SURVEY & ENGINEERING
SURVEYED DATE : 1995

DATUM
VERTICAL NAVD88
HORIZONTAL NAD83 (1992)



THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE DIRECTOR OF PROGRAM DEVELOPMENT.

CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2006, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JUNE 15, 2006 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

Metric
UNLESS NOTED OTHERWISE

STATIONS ARE IN KILOMETERS
ELEVATIONS ARE IN METERS
DIMENSIONS ARE IN MILLIMETERS

Stantec

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
APPROVED Maed D. Keltner DATE 4-22-08
DIVISION ADMINISTRATOR

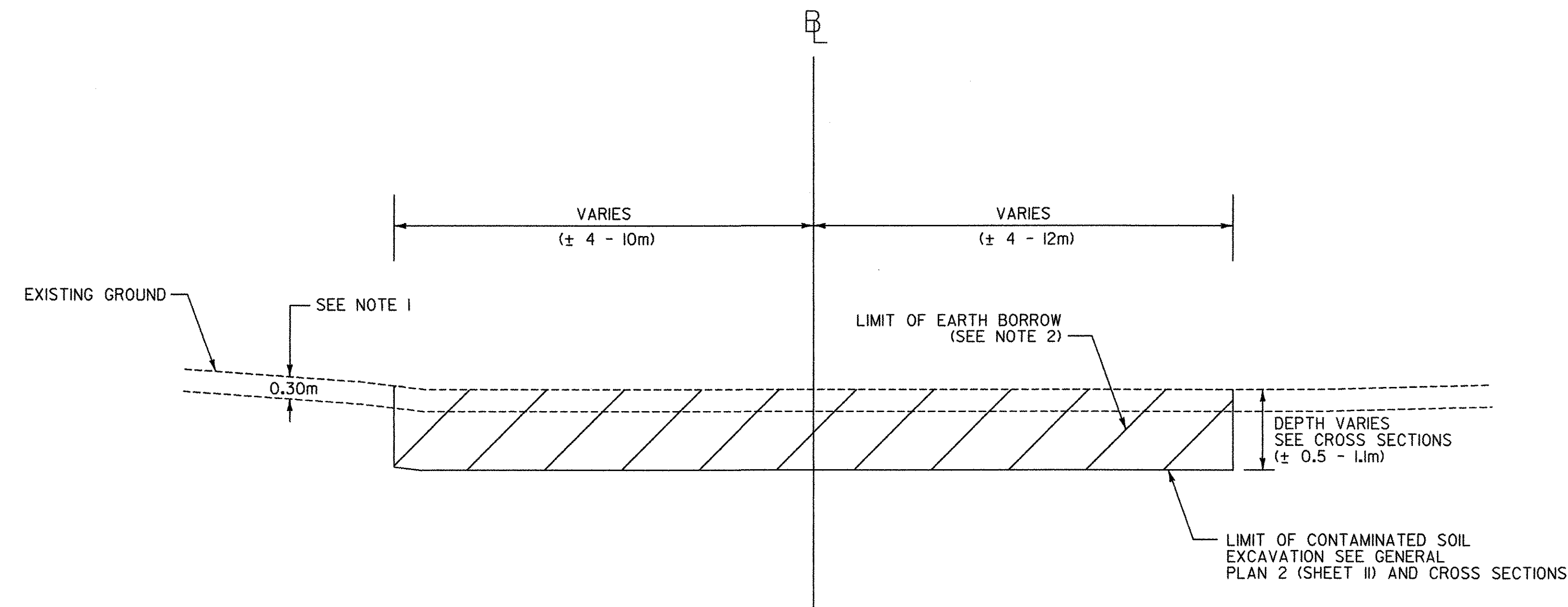
DIRECTOR OF PROGRAM DEVELOPMENT
APPROVED Paul J. Schmidt DATE 4-2-08

PROJECT MANAGER : JAMES HARRIS

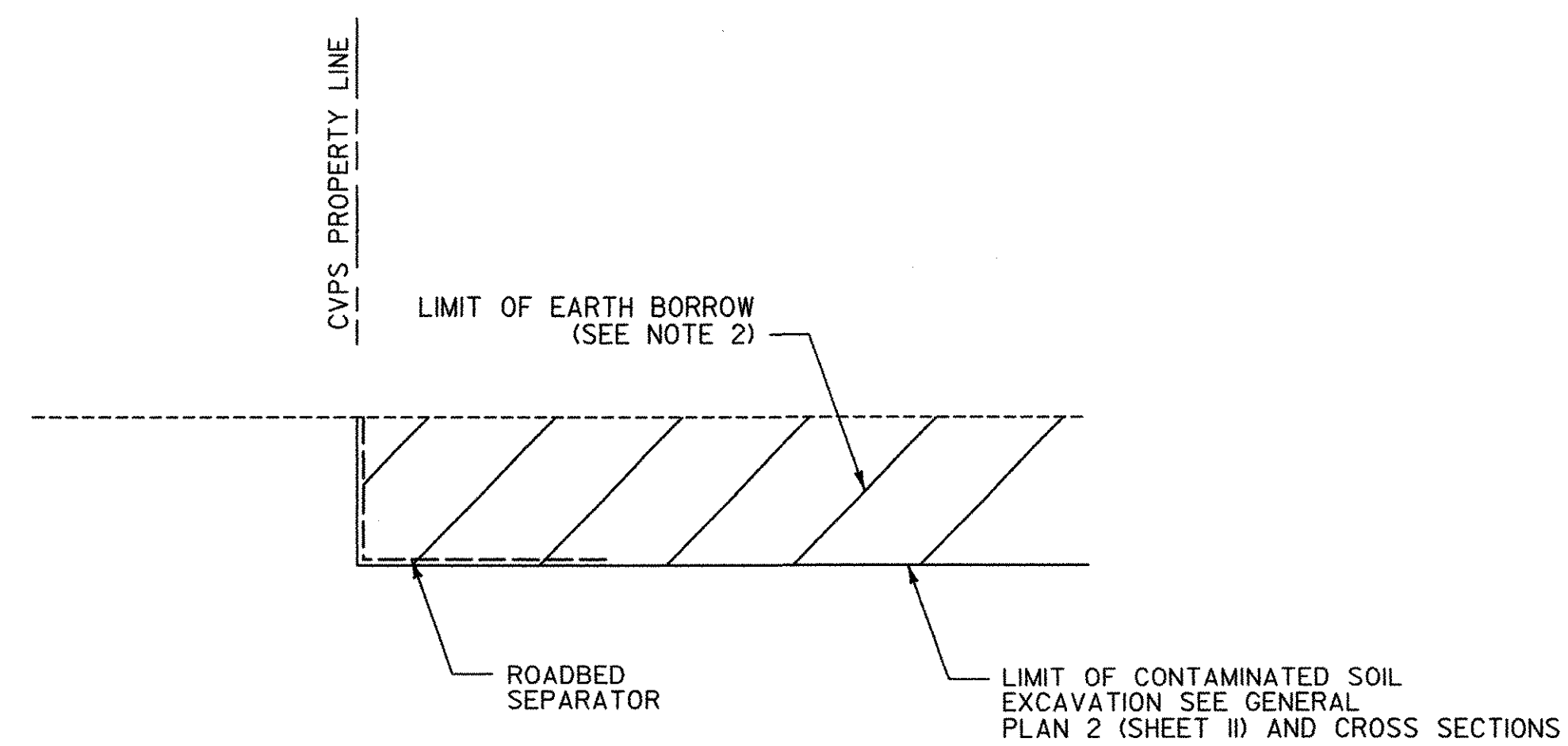
PROJECT NAME : BENNINGTON
PROJECT NUMBER : NH 019-1(55)

SHEET 1 OF 19 SHEETS

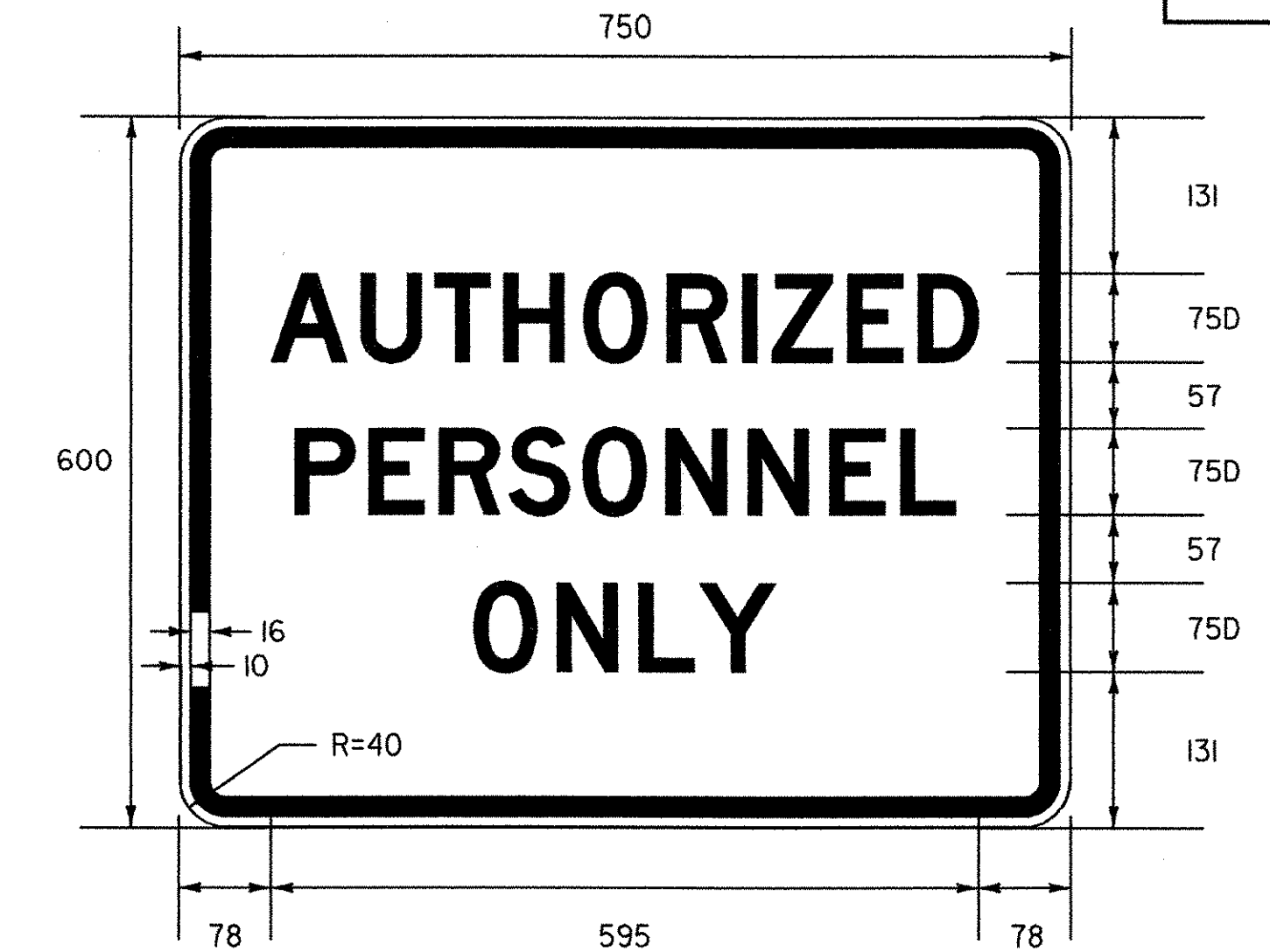
TYPICAL SECTIONS



REMOVAL OF CONTAMINATED SOILS
NOT TO SCALE



LIMITS OF ROADBED SEPARATOR @ CVPS PROPERTY LINE
APPROXIMATE STA. BL 2+000, LT. TO 2+007, RT.



BLACK BORDER & TEXT
WITH WHITE REFLECTORIZED BACKGROUND
SEE VTRANS STANDARD E-141 FOR MATERIALS

LOCATIONS
STA. NB 6+165.000, RT.



BLACK BORDER & TEXT
WITH WHITE REFLECTORIZED BACKGROUND
SEE VTRANS STANDARD E-141 FOR MATERIALS

LOCATIONS
STA. NB 6+026.544, RT.

SIGN DETAIL

NOTES:

1. THE DEPTH OF EXCAVATED SOIL SHOWN ON THE TYPICAL AND CROSS SECTIONS ASSUMES 0.30 METER (1 FOOT) OF STUMPS AND SURFICIAL ORGANIC AND FILL SOILS INTERMIXED WITH THE CONTAMINATED SOILS.
2. AFTER ALL EXCAVATION IS COMPLETED, AREA TO BE BACKFILLED WITH EARTH BORROW AS SHOWN. EARTH BORROW TO BE BROUGHT UP TO AN ELEVATION EQUAL TO EXISTING GROUND CONDITIONS.

VERMONT AGENCY OF TRANSPORTATION



PROJECT NAME: BENNINGTON
PROJECT NUMBER: NH 019-1(55)

FILE NAME: ...plot_files\zd307c5typ.pptf
DESIGN SUPERVISOR: GREG EDWARDS
DESIGNED BY: MARC FOISY

TYPICAL SECTIONS TS-01

PLOT DATE: 3/28/2008
DRAWN BY: STANTEC
CHECKED BY: GARY SANTY
SHEET 2 OF 19

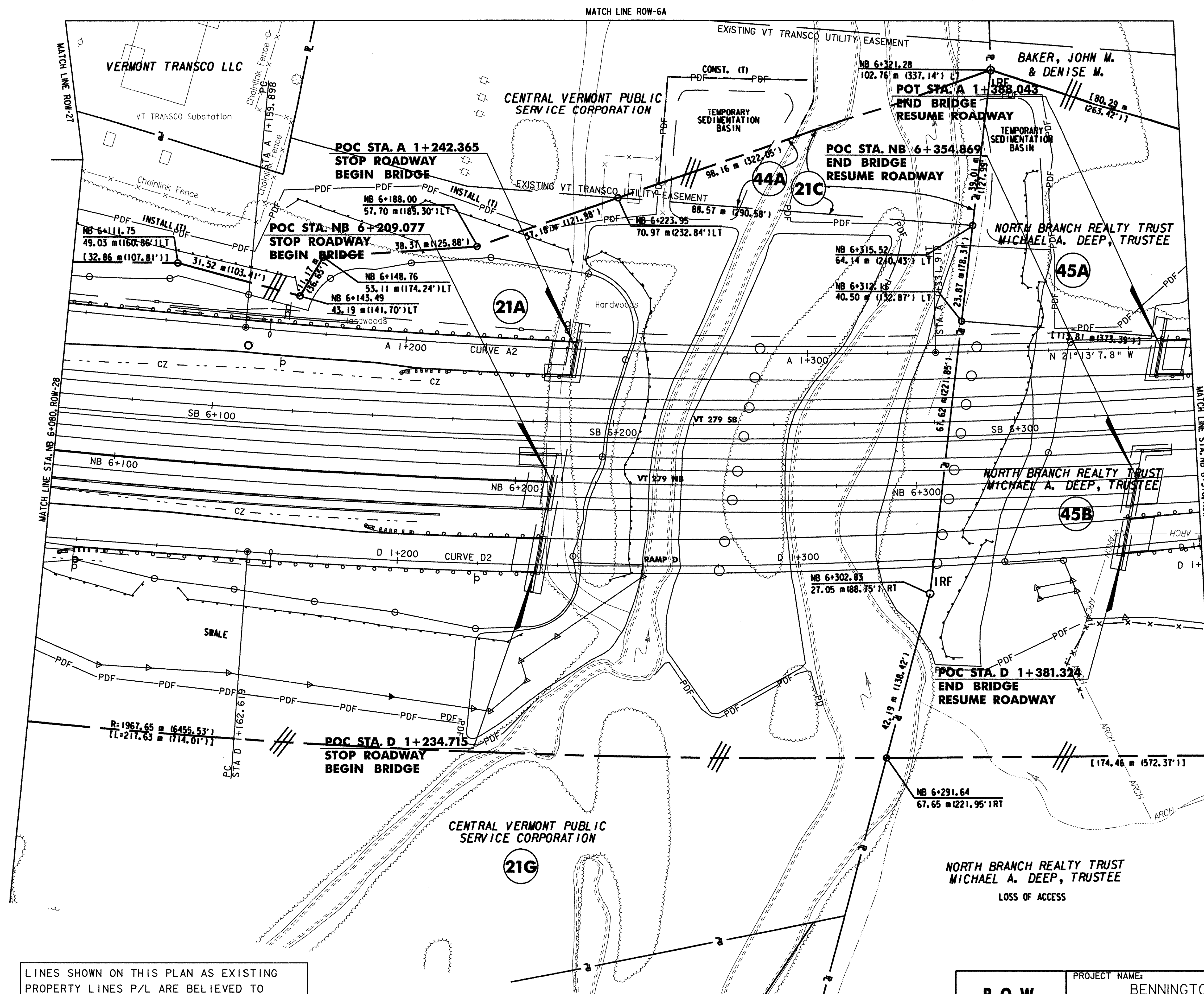
QUANTITY SHEET



SUMMARY OF ESTIMATED QUANTITIES										TOTALS		DESCRIPTIONS			DETAILED SUMMARY OF QUANTITIES			
								ROADWAY	EROSION CONTROL	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND	QUANTITIES	UNIT	ITEMS
								1		1		LS	CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS	201.10	-			
								1010		1010		CM	EARTH BORROW	203.30	9			
								8		8		HR	BULLDOZER RENTAL, TYPE I	608.10	EST.			
								8		8		HR	POWER GRADER RENTAL	608.15	EST.			
								8		8		HR	ALL PURPOSE EXCAVATOR RENTAL, TYPE I	608.25	EST.			
								8		8		HR	POWER BROOM RENTAL, TYPE I	608.30	EST.			
								8		8		HR	TRUCK RENTAL	608.37	EST.			
								8		8		HR	LOADER RENTAL, TYPE I	608.40	EST.			
								320		320		CM	DUST CONTROL WITH WATER	609.10	5			
								1		1		T	DUST AND ICE CONTROL WITH CALCIUM CHLORIDE	609.15	.5			
								9.6		9.6		M	CHAIN-LINK FENCE, 1.8 M	620.12	-			
								7.2		7.2		M	GATE FOR CHAIN-LINK FENCE, 1.8 M	620.16	-			
								4		4		EACH	BRACING ASSEMBLY FOR CHAIN-LINK FENCE, 1.8 M	620.21	-			
								26		26		HR	FLAGGERS	630.15	-			
								1		1		LS	MOBILIZATION/DEMOBILIZATION	635.11	-			
								1		1		LS	TRAFFIC CONTROL	641.10	-			
								28		28		SM	GEOTEXTILE FOR ROADBED SEPARATOR	649.11	1.7			
								180		180		SM	GEOTEXTILE FOR SILT FENCE	649.51	2			
								27		27		KG	SEED	651.15	4			
								215		215		KG	FERTILIZER	651.18	2.3			
								2		2		T	AGRICULTURAL LIMESTONE	651.20	.3			
								2		2		T	HAY MULCH	651.25	.3			
								1		1		LS	EPSC PLAN	652.10	-			
								40		40		HR	MONITORING EPSC PLAN	652.20	-			
								1		1		LU	MAINTENANCE OF EPSC PLAN (N.A.B.I.)	652.30	-			
								25		25		CM	VEHICLE TRACKING PAD	653.35	.8			
								610		610		M	PROJECT DEMARCATION FENCE	653.55	2			
								1.08		1.08		SM	TRAFFIC SIGNS, TYPE A	675.20	-			
								3.15		3.15		M	FLANGED CHANNEL SIGN POST	675.301	-			
								870		870		CM	SPECIAL PROVISION (UNCLASSIFIED EXCAVATION OF CONTAMINATED SOILS)	900.608	-			
								7		7		EACH	SPECIAL PROVISION (WASTE CHARACTERIZATION SAMPLING)	900.620	-			
								1650		1650		T	SPECIAL PROVISION (TRANSPORTATION AND DISPOSAL OF CONTAMINATED SOILS)	900.680	-			

V:\953\ccf\ve\9530002\transportation\drawing\contract_5\plot_files\z307c5vaot_quant.pxf

PROJECT NAME: **BENNINGTON**
 PROJECT NUMBER: **NH 019-1(55)**
 FILE NAME: ZD307C5VAOT_QUANT.XLS PLOT DATE: 03/28/2008
 PROJECT MANAGER: G. SANTY DRAWN BY: STANTEC
 DESIGNED BY: M. FOISY CHECKED BY: G. SANTY
 QUANTITY SHEET #1 SHEET 3 OF 19



CURVE D2

Δ = 13°35'37.7" LT.
R. = 1375.000m
T. = 163.883m
L. = 326.228m
E. = 9.732m
BANK = 0.020
PI STA. D1+326.502
N = 42897.6240
E = 445165.6290
PC N = 42739.9592
E = 445210.3454
PT N = 43040.3620
E = 445085.1082

CURVE A2

Δ = 6°34'14.6" LT.
R. = 1500.000m
T. = 86.105m
L. = 172.021m
E. = 2.469m
BANK = 0.020
PI STA. A1+246.003
N = 42803.8050
E = 445136.2470
PC N = 42720.4993
E = 445158.0213
PT N = 42884.0719
E = 445105.0832

CURVE SB5

Δ = 60°16'16.5" LT.
R. = 1820.000m
T. = 1056.530m
L. = 1914.516m
E. = 284.437m
BANK = 0.032
PI STA. SB5+743.932
N = 42277.9017
E = 445532.0537
PCC N = 41350.4354
E = 445026.0287
PT N = 43177.2504
E = 444977.5929

CURVE NB5

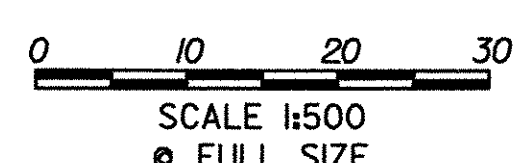
Δ = 55°24'30.7" LT.
R. = 1900.000m
T. = 997.703m
L. = 1837.417m
E. = 246.022m
BANK = 0.032
PI STA. NB5+733.330
N = 42266.8841
E = 445508.4114
PCC N = 41372.0092
E = 445067.2651
PT N = 43138.0842
E = 445022.1796

LINES SHOWN ON THIS PLAN AS EXISTING PROPERTY LINES P/L ARE BELIEVED TO BE ACCURATE BUT SHOULD NOT BE RELIED UPON FOR PURPOSES UNRELATED TO THE STATE OF VERMONT'S ACQUISITION OF LAND AND RIGHTS FOR THIS PROJECT.

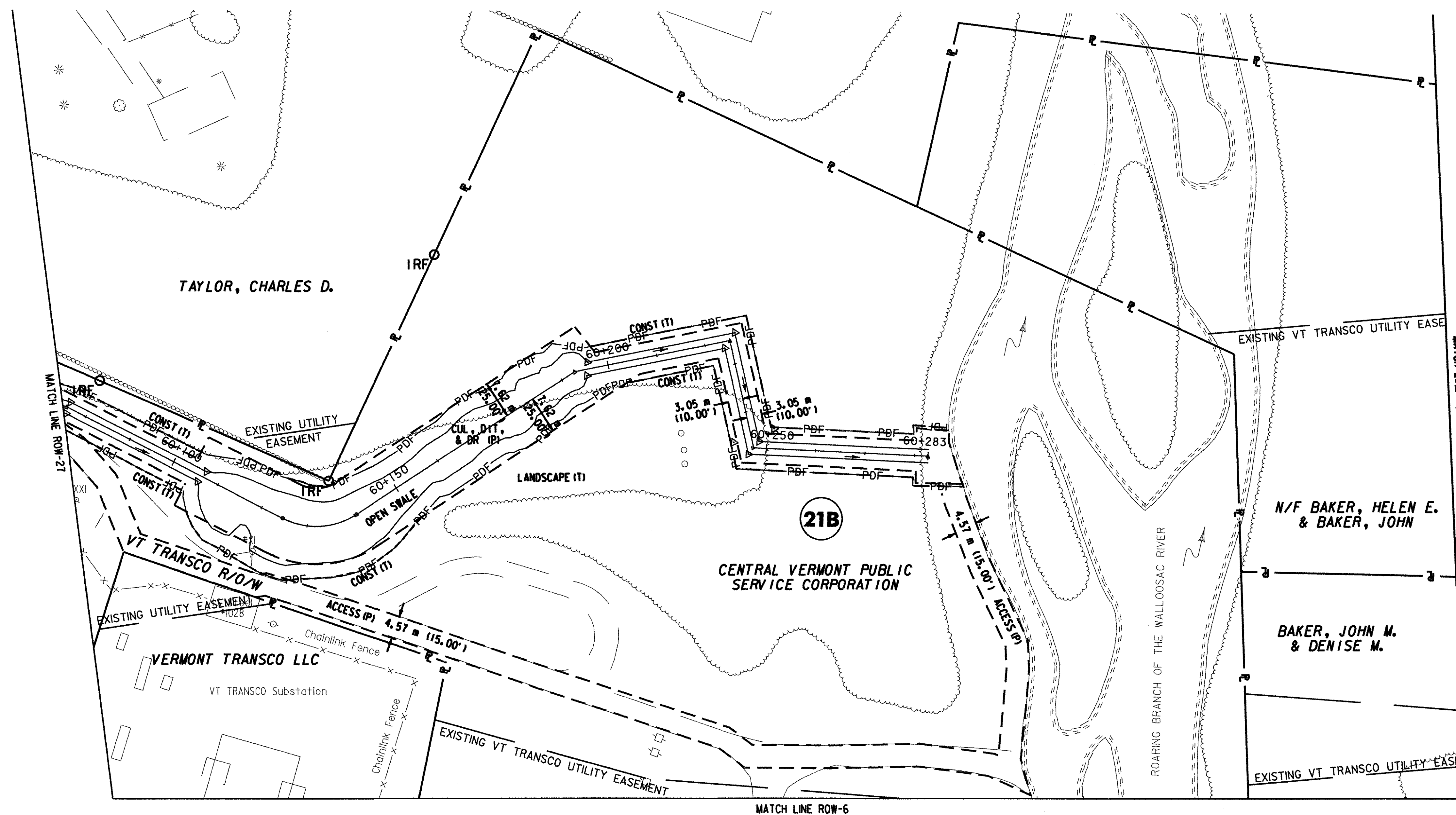
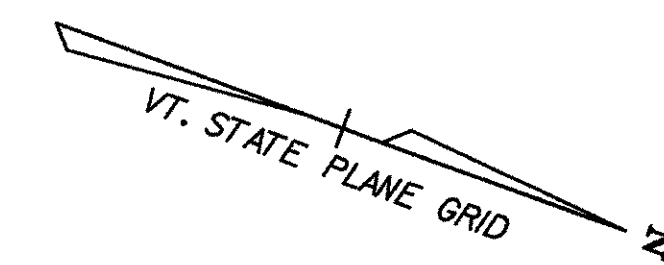
THIS SHEET TO BE USED FOR RIGHT-OF-WAY INFORMATION ONLY

DATUM

VERTICAL	NAVD 88
HORIZONTAL	NAD 83 (1992)

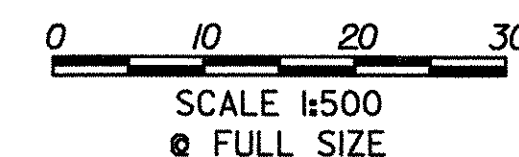


R.O.W. PLAN ROW-6	PROJECT NAME: BENNINGTON	PROJECT NUMBER: NH 019-(K55)
	DESIGN FILE NAME: c:\nh\bennington\row	PLOT DATE: 2-11-08
	PROJECT LEADER: JDP	DRAWN BY: MBB
		CHECKED BY: GAK
		SHEET: 6 OF 19



LINES SHOWN ON THIS PLAN AS EXISTING PROPERTY LINES P/L ARE BELIEVED TO BE ACCURATE BUT SHOULD NOT BE RELIED UPON FOR PURPOSES UNRELATED TO THE STATE OF VERMONT'S ACQUISITION OF LAND AND RIGHTS FOR THIS PROJECT.

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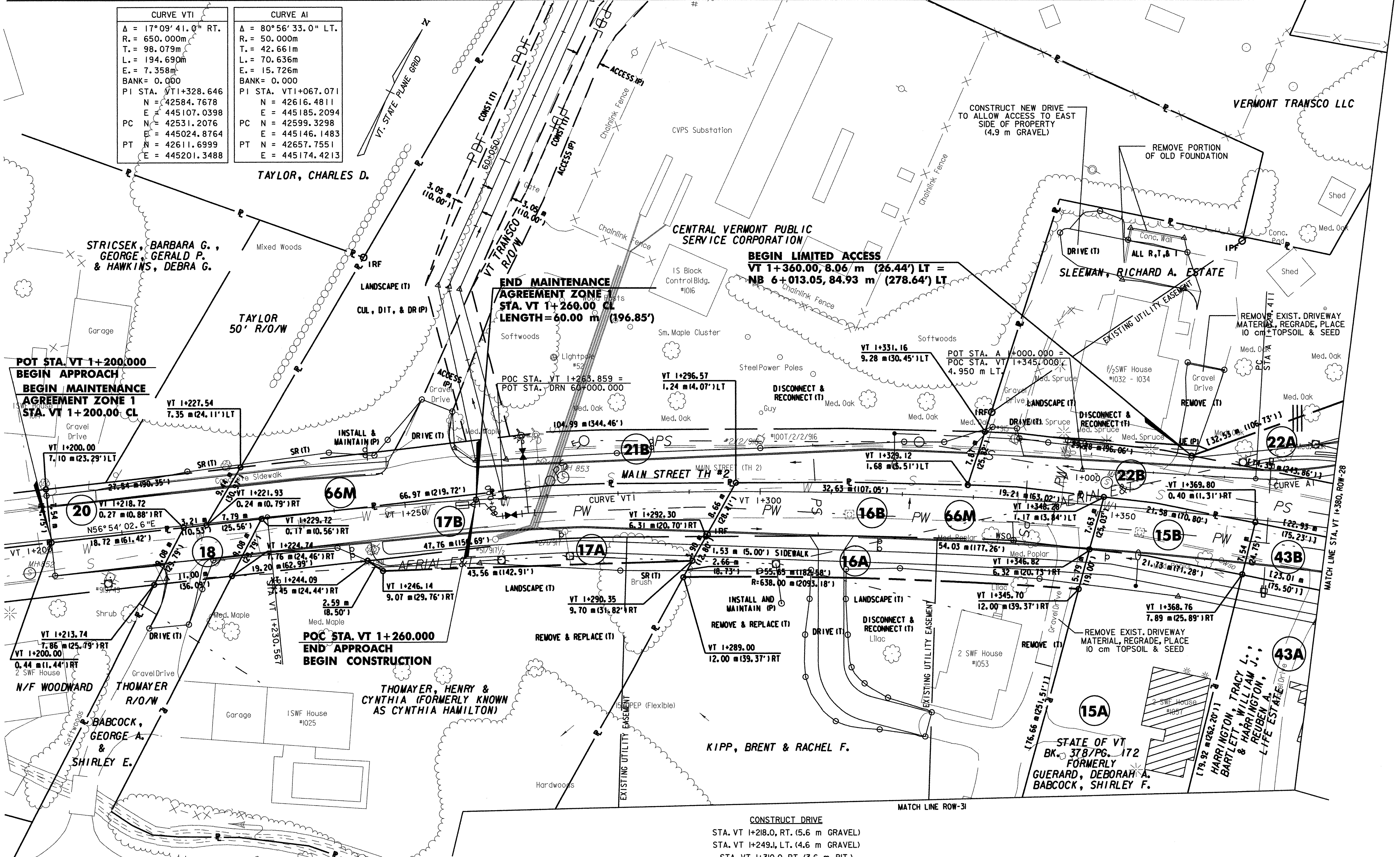
DATUM
 VERTICAL NAVD 88
 HORIZONTAL NAD 83 (1992)

R.O.W. PLAN ROW-6A	PROJECT NAME: BENNINGTON	PROJECT NUMBER: NH 019-1(55)
	DESIGN FILE NAME: c:\dh\bennington\row	PLOT DATE: 2-11-08
	PROJECT LEADER: JDP	DRAWN BY: MBB CHECKED BY: GAK
		SHEET: 7 OF 19

MATCH LINE ROW-6A

MATCH LINE ROW-6

CURVE VT1	CURVE AI
Δ = 17°09'41.0" RT.	Δ = 80°56'33.0" LT.
R = 650.000m	R = 50.000m
T = 98.079m	T = 42.661m
L = 194.690m	L = 70.636m
E = 7.358m	E = 15.726m
BANK = 0.000	BANK = 0.000
PI STA. VT1+328.646	PI STA. VT1+067.071
N = 42584.7678	N = 42616.4811
E = 445107.0398	E = 445185.2094
PC N = 42531.2076	PC N = 42599.3298
E = 445024.8764	E = 445146.1483
PT N = 42611.6999	PT N = 42657.7551
E = 445201.3488	E = 445174.4213



END MAINTENANCE AGREEMENT ZONE 1
 STA. VT 1+260.00 CL
 LENGTH=60.00 m (196.85')

POT STA. VT 1+200.000
BEGIN APPROACH
AGREEMENT ZONE 1
 STA. VT 1+200.00 CL

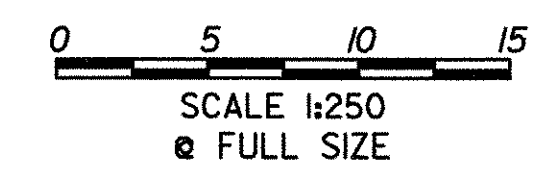
POC STA. VT 1+260.000
END APPROACH
BEGIN CONSTRUCTION

CONSTRUCT DRIVE
 STA. VT 1+218.0, RT. (5.6 m GRAVEL)
 STA. VT 1+249.1, LT. (4.6 m GRAVEL)
 STA. VT 1+310.0, RT. (3.6 m BIT.)
 STA. VT 1+331.4, LT. (3.4 m GRAVEL)

LINES SHOWN ON THIS PLAN AS EXISTING PROPERTY LINES P/L ARE BELIEVED TO BE ACCURATE BUT SHOULD NOT BE RELIED UPON FOR PURPOSES UNRELATED TO THE STATE OF VERMONT'S ACQUISITION OF LAND AND RIGHTS FOR THIS PROJECT.

THIS SHEET TO BE USED FOR RIGHT-OF-WAY INFORMATION ONLY

SIGNIFIES DEMOLITION & REMOVAL OF STRUCTURES AND IMPROVEMENTS

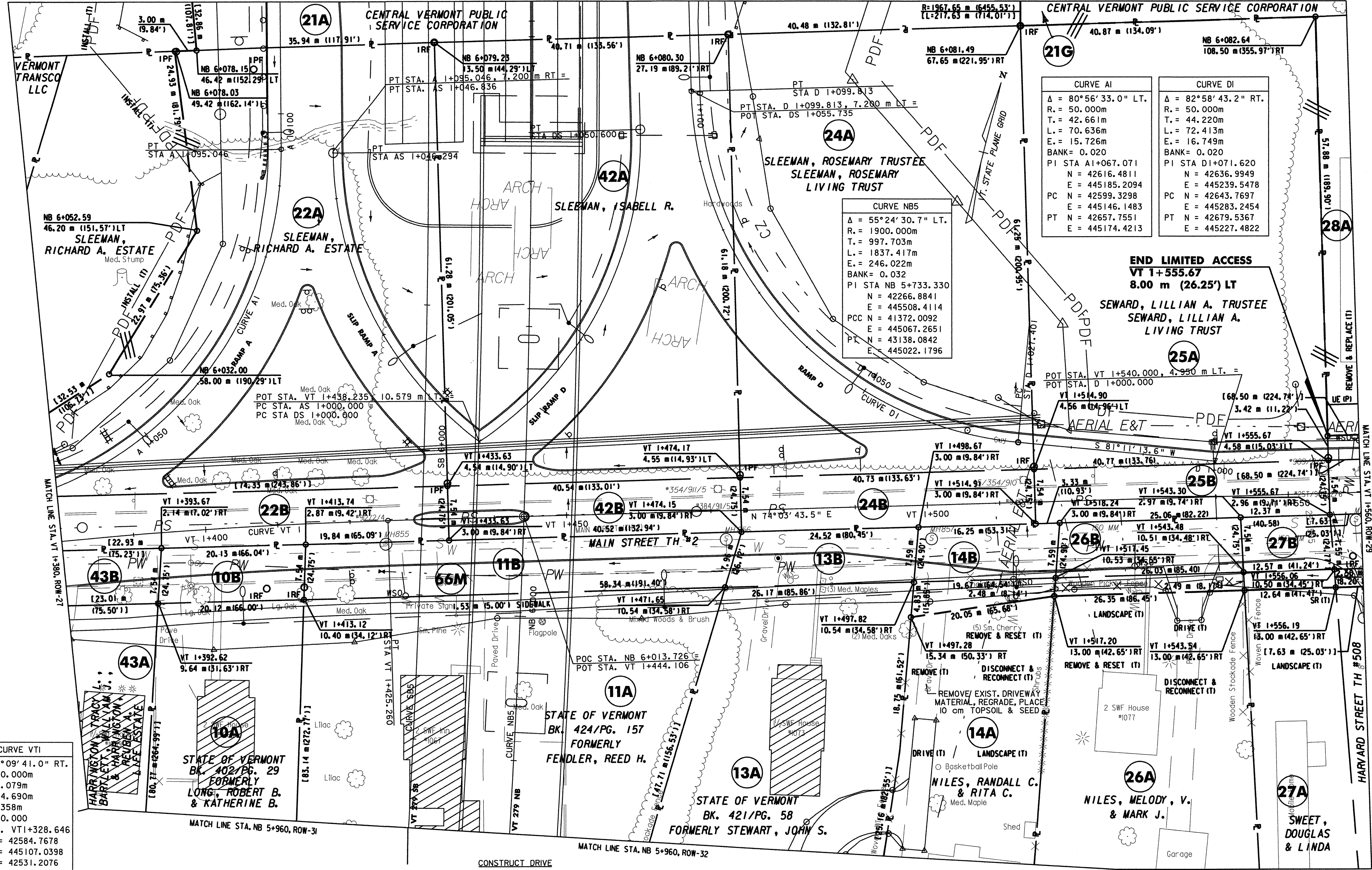


DATUM
 VERTICAL NAVD 88
 HORIZONTAL NAD 83 (1992)

R.O.W. PLAN
ROW-27

PROJECT NAME: BENNINGTON	PROJECT NUMBER: NH 019-(155)
DESIGN FILE NAME: c:\dh\bennington\row	PLOT DATE: 2-11-08
PROJECT LEADER: JDP	DRAWN BY: MBB
	CHECKED BY: GAK
	SHEET: 8 OF 19

MATCH LINE STA. NB 6+085, ROW-6



CURVE AI		CURVE DI	
Δ = 80°56'33.0" LT.		Δ = 82°58'43.2" RT.	
R. = 50.000m		R. = 50.000m	
T. = 42.661m		T. = 44.220m	
L. = 70.636m		L. = 72.413m	
E. = 15.726m		E. = 16.749m	
BANK = 0.020		BANK = 0.020	
PI STA AI+067.071		PI STA DI+071.620	
N = 42616.4811		N = 42636.9949	
E = 445185.2094		E = 445239.5478	
PC N = 42599.3298		PC N = 42643.7697	
E = 445146.1483		E = 445283.2454	
PT N = 42657.7551		PT N = 42679.5367	
E = 445174.4213		E = 445227.4822	

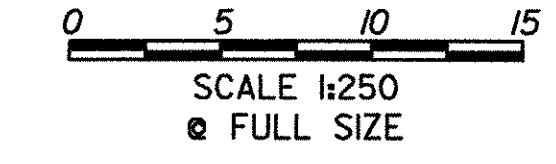
CURVE NB5	
Δ = 55°24'30.7" LT.	
R. = 1900.000m	
T. = 997.703m	
L. = 1837.417m	
E. = 246.022m	
BANK = 0.032	
PI STA NB 5+733.330	
N = 42266.8841	
E = 445508.4114	
PCC N = 41372.0092	
E = 445067.2651	
PT N = 43138.0842	
E = 445022.1796	

CURVE VT1	
Δ = 17°09'41.0" RT.	
R. = 650.000m	
T. = 98.079m	
L. = 194.690m	
E. = 7.358m	
BANK = 0.000	
PI STA. VT1+328.646	
N = 42584.7678	
E = 445107.0398	
PC N = 42531.2076	
E = 445024.8764	
PT N = 42611.6999	
E = 445201.3488	

LINES SHOWN ON THIS PLAN AS EXISTING PROPERTY LINES P/L ARE BELIEVED TO BE ACCURATE BUT SHOULD NOT BE RELIED UPON FOR PURPOSES UNRELATED TO THE STATE OF VERMONT'S ACQUISITION OF LAND AND RIGHTS FOR THIS PROJECT.

THIS SHEET TO BE USED FOR RIGHT-OF-WAY INFORMATION ONLY

SIGNIFIES DEMOLITION & REMOVAL OF STRUCTURES AND IMPROVEMENTS



DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83 (1992)

CONSTRUCT DRIVE
STA. VT I+502.5, RT. (3.6 m BIT.)
STA. I+537.0, RT. (3.5 m GRAVEL)

PORTLAND CEMENT CONCRETE SIDEWALK, 125 mm
STA. VT I+530.4, RT. (INDIVIDUAL WALKWAY, 1.5 m)

R.O.W. PLAN
ROW-28

PROJECT NAME: BENNINGTON
DESIGN FILE NAME: c:\rdh\bennington\row
PROJECT LEADER: JDP

PROJECT NUMBER: NH 019-(155)

PLOT DATE: 2-11-08
DRAWN BY: MBB
CHECKED BY: GAK

SHEET: 9 OF 19

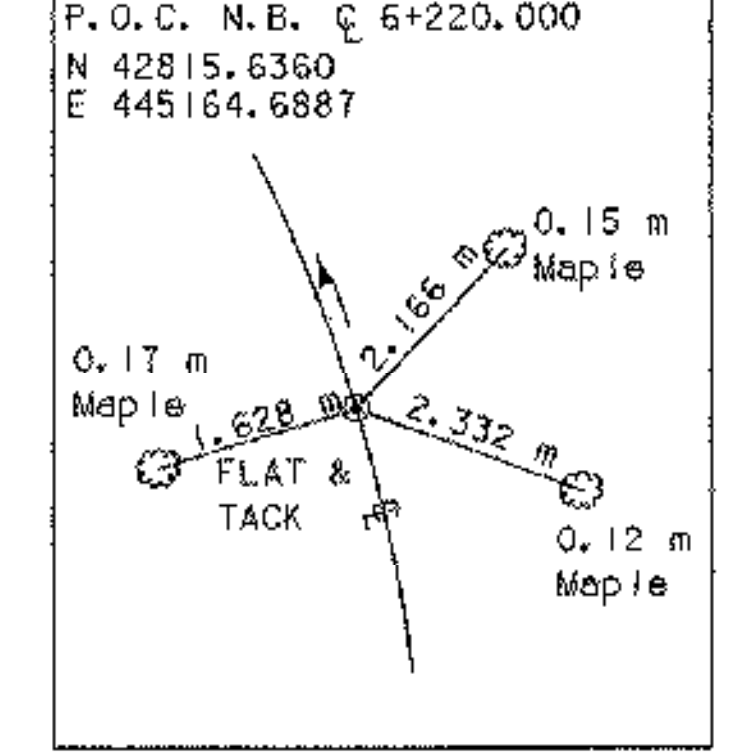
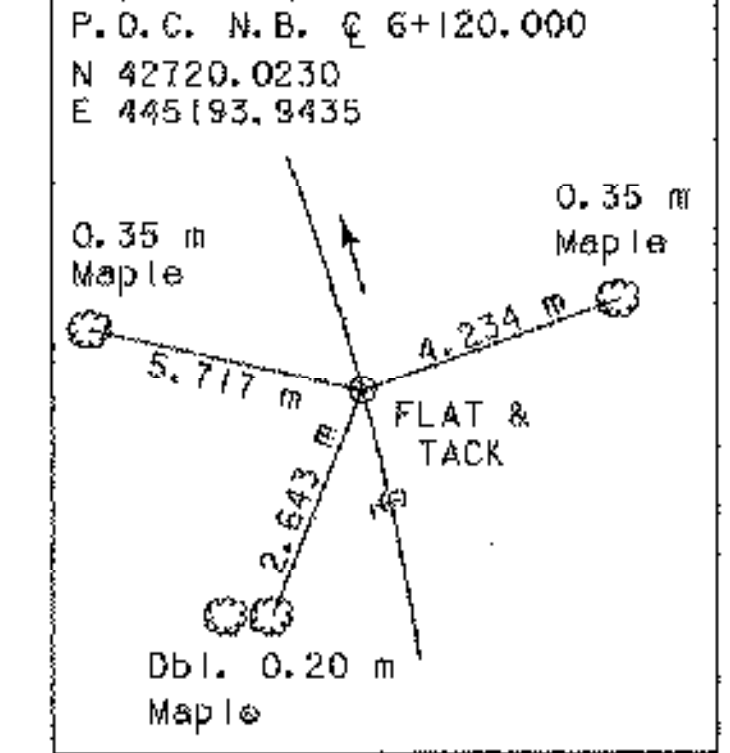
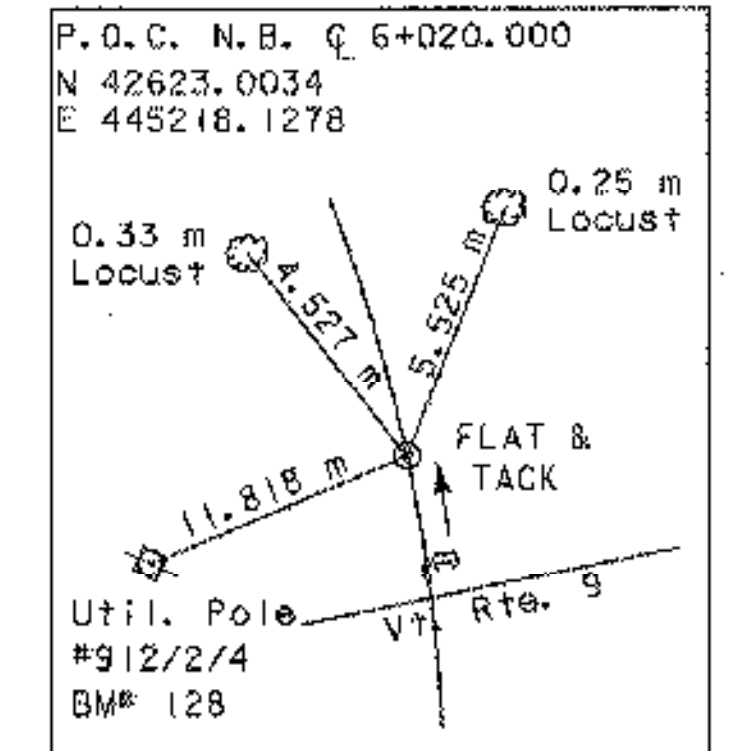
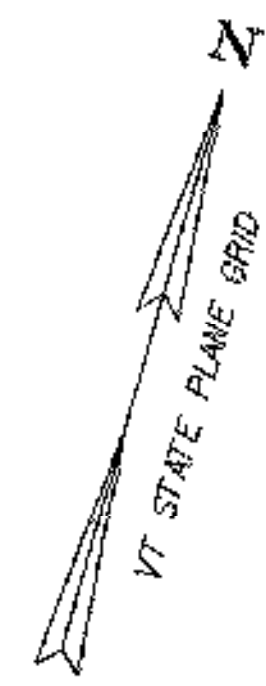
MATCH LINE
STA. NB 6+140,
SEE SHEET P-02

PROJECT DEMARCATION FENCE
STA. NB 6+016.3, 7.0m RT. - STA. NB 6+140.0, 3.3m RT.
STA. NB 6+016.3, 18.9m RT. - STA. NB 6+140.0, 15.3m RT.

B-110 (OW)
CHAIN-LINK FENCE, 1.8m
STA. NB 6+026.379, 8.8m RT. - STA. NB 6+028.630, 6.2m RT.
STA. NB 6+026.782, 16.0m RT. - STA. NB 6+029.290, 18.2m RT.

GATE FOR CHAIN-LINK FENCE, 1.8m
STA. NB 6+026.544, RT.

CURVE NBS	
Δ	= 55°24'30.7" LT.
R	= 1900.000m
T	= 997.703m
L	= 1837.417m
E	= 246.022m
BANK	= 0.032
PI STA.	NB5+733.330
N	= 42266.8841
E	= 445508.4114
PCC STA.	NB4+735.627
N	= 41372.0092
E	= 445067.2651
PT STA.	NB6+573.044
N	= 43138.0842
E	= 445022.1796



STATE OF VERMONT

NOTES:

- ONCE THIS CONTRACT IS COMPLETE, THE ACCESS ROAD IS TO REMAIN IN PLACE FOR THE CONSTRUCTION OF FUTURE VT ROUTE 279 AND THE BRIDGE OVER THE ROARING BRANCH RIVER AS PART OF PROJECT NO. AC NH 019-1(S1). SIGN SHALL BE PERMANENTLY INSTALLED ON THE GATE AS SHOWN TO THE SATISFACTION OF THE ENGINEER. COST OF INSTALLING SIGN AND ANY NECESSARY MOUNTING HARDWARE TO BE INCIDENTAL TO ITEM 675.20 -TRAFFIC SIGNS, TYPE A.
- CONTRACTOR SHALL ENSURE THAT ROUTE 9 PAVEMENT AND DRAINAGE IS NOT IMPACTED BY CONSTRUCTION OF THIS PROJECT. REPAIRS TO ROUTE 9 SHALL BE INCIDENTAL TO OTHER ITEMS OF WORK AND COMPLETED AS DIRECTED BY THE ENGINEER.

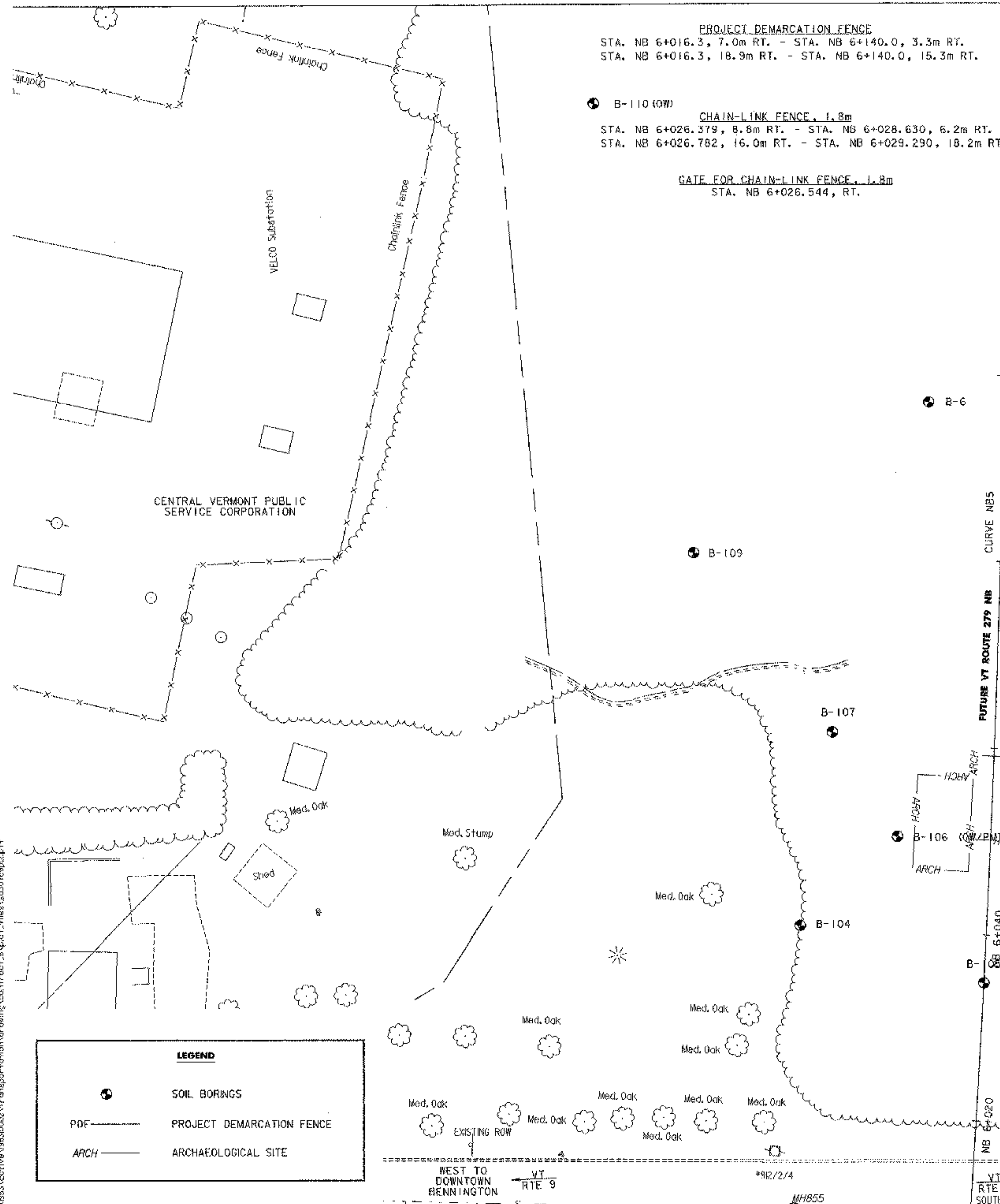
**NO TRESPASSING
AUTHORIZED
PERSONNEL ONLY**

STA. NB 6+026.476
(SEE NOTE 1)

VERMONT AGENCY OF TRANSPORTATION

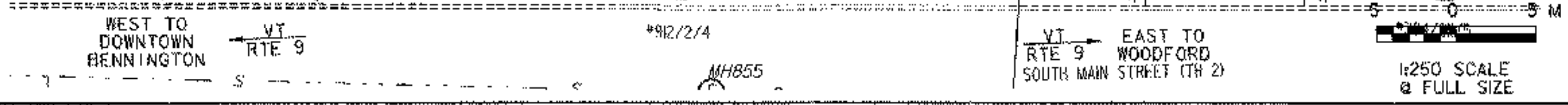


PROJECT NAME: BENNINGTON
PROJECT NUMBER: NH 019-1(K55)
FILE NAME: ...plot_files\zd307c5p0lptf PLOT DATE: 3/28/2008
DESIGN SUPERVISOR: GREG EDWARDS DRAWN BY: STANTEC
DESIGNED BY: MARC FOISY CHECKED BY: GARY SANTY
GENERAL PLAN /FINAL STABILIZATION PLAN P-01SHEET 10 OF 19



LEGEND

	SOIL BORINGS
	PROJECT DEMARCATION FENCE
	ARCHAEOLOGICAL SITE



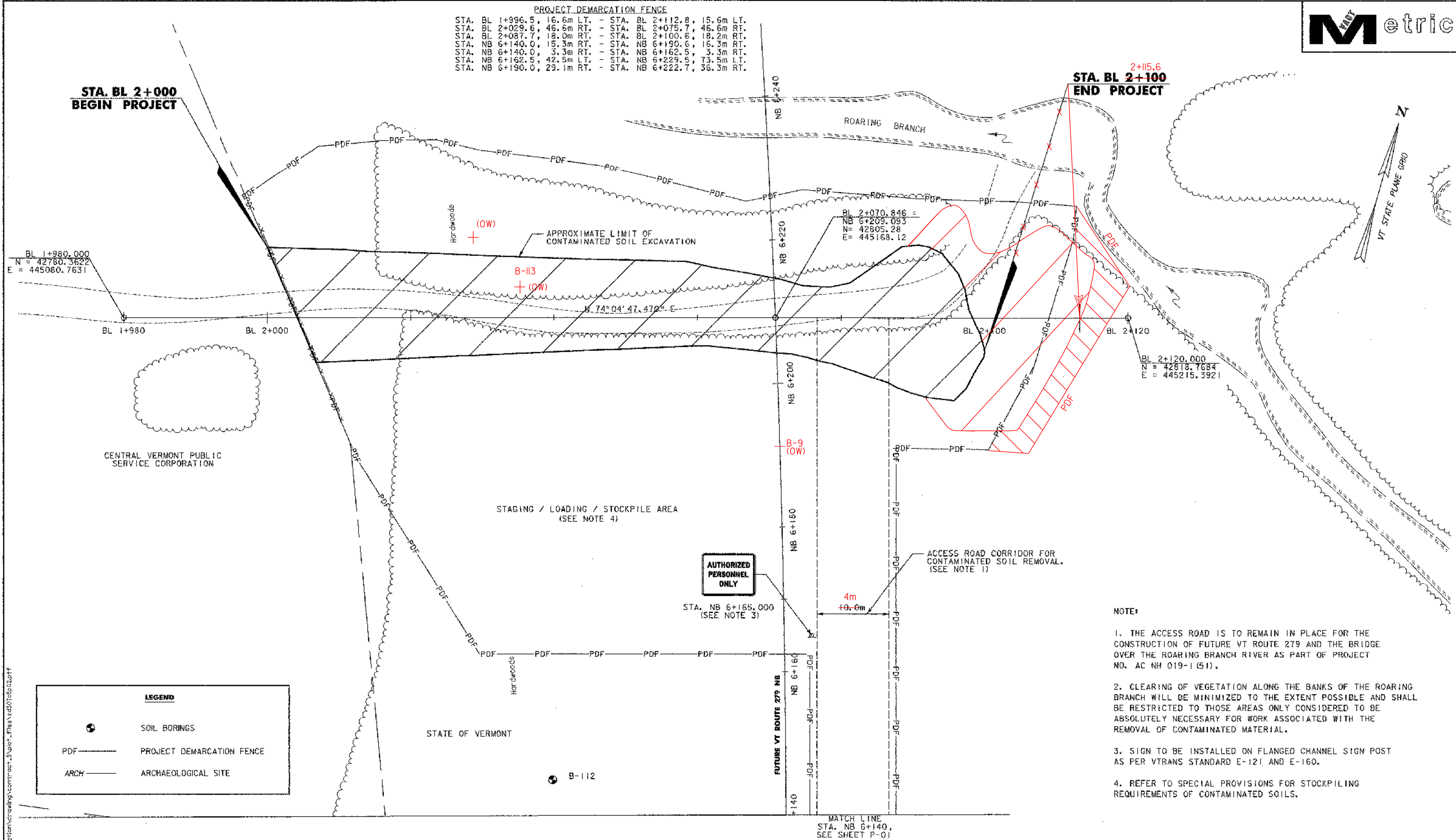
V:\NBS\active\13830002\transportation\drawing\cont\trac\Exp\plot_files\zd307c5p0lptf

PROJECT DEMARCATION FENCE

STA. BL 1+996.5, 16.6m LT.	STA. BL 2+112.8, 15.6m LT.
STA. BL 2+029.6, 46.6m RT.	STA. BL 2+075.7, 46.6m RT.
STA. BL 2+087.7, 18.0m RT.	STA. BL 2+100.6, 18.2m RT.
STA. NB 6+140.0, 15.3m RT.	STA. NB 6+190.6, 15.3m RT.
STA. NB 6+140.0, 3.3m RT.	STA. NB 6+162.5, 3.3m RT.
STA. NB 6+162.5, 42.5m LT.	STA. NB 6+229.5, 73.5m LT.
STA. NB 6+190.0, 29.1m RT.	STA. NB 6+222.7, 36.3m RT.

**STA. BL 2+000
BEGIN PROJECT**

**STA. BL 2+115.6
END PROJECT**



BL 1+980.000
N = 42760.3622
E = 445080.7631

BL 2+070.846 =
NB 6+209.095
N = 42805.28
E = 445168.12

BL 2+120.000
N = 42818.7684
E = 445215.3921

CENTRAL VERMONT PUBLIC SERVICE CORPORATION

STAGING / LOADING / STOCKPILE AREA
(SEE NOTE 4)

AUTHORIZED PERSONNEL ONLY

STA. NB 6+165.000
(SEE NOTE 3)

ACCESS ROAD CORRIDOR FOR CONTAMINATED SOIL REMOVAL.
(SEE NOTE 1)

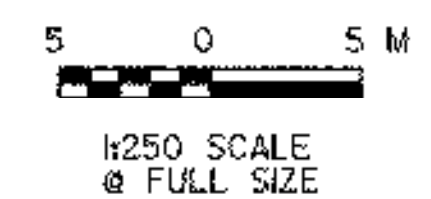
NOTE:

1. THE ACCESS ROAD IS TO REMAIN IN PLACE FOR THE CONSTRUCTION OF FUTURE VT ROUTE 279 AND THE BRIDGE OVER THE ROARING BRANCH RIVER AS PART OF PROJECT NO. AC NH 019-1 (51).
2. CLEARING OF VEGETATION ALONG THE BANKS OF THE ROARING BRANCH WILL BE MINIMIZED TO THE EXTENT POSSIBLE AND SHALL BE RESTRICTED TO THOSE AREAS ONLY CONSIDERED TO BE ABSOLUTELY NECESSARY FOR WORK ASSOCIATED WITH THE REMOVAL OF CONTAMINATED MATERIAL.
3. SIGN TO BE INSTALLED ON FLANGED CHANNEL SIGN POST AS PER VTRANS STANDARD E-121 AND E-160.
4. REFER TO SPECIAL PROVISIONS FOR STOCKPILING REQUIREMENTS OF CONTAMINATED SOILS.

LEGEND

	SOIL BORINGS
	PROJECT DEMARCATION FENCE
	ARCHAEOLOGICAL SITE

MATCH LINE
STA. NB 6+140,
SEE SHEET P-01

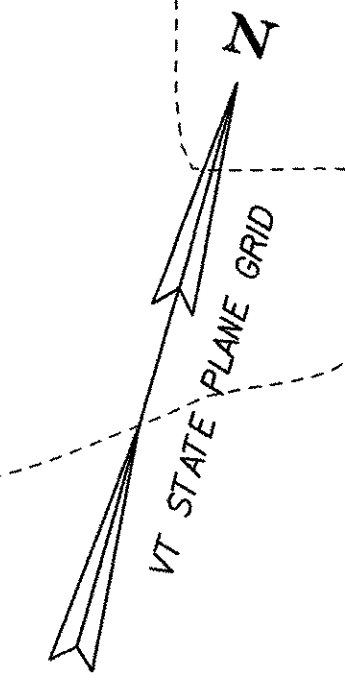


VERMONT AGENCY OF TRANSPORTATION



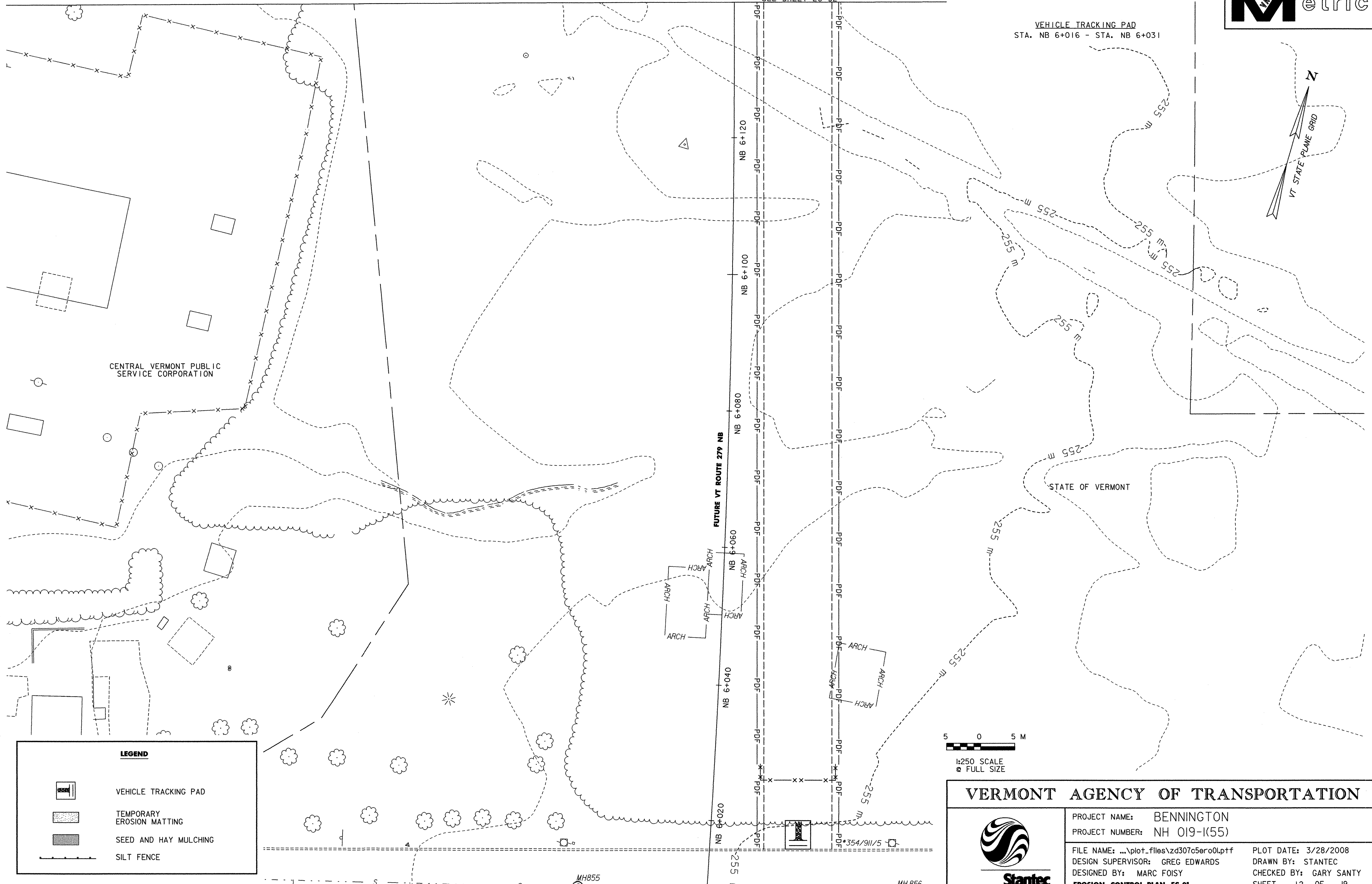
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DESIGN SUPERVISOR: GREG EDWARDS	DRAWN BY: STANTEC
DESIGNED BY: MARC FOISY	CHECKED BY: GARY SANTY
GENERAL PLAN /FINAL STABILIZATION PLAN P-02 SHEET 11 OF 19	

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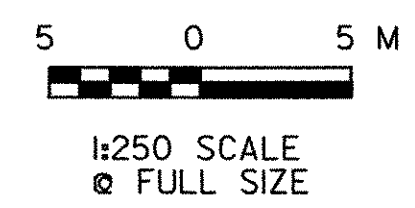
MATCH LINE
STA. NB 6+140,
SEE SHEET EC-02

VEHICLE TRACKING PAD
STA. NB 6+016 - STA. NB 6+031



LEGEND

-  VEHICLE TRACKING PAD
-  TEMPORARY EROSION MATTING
-  SEED AND HAY MULCHING
-  SILT FENCE



VERMONT AGENCY OF TRANSPORTATION



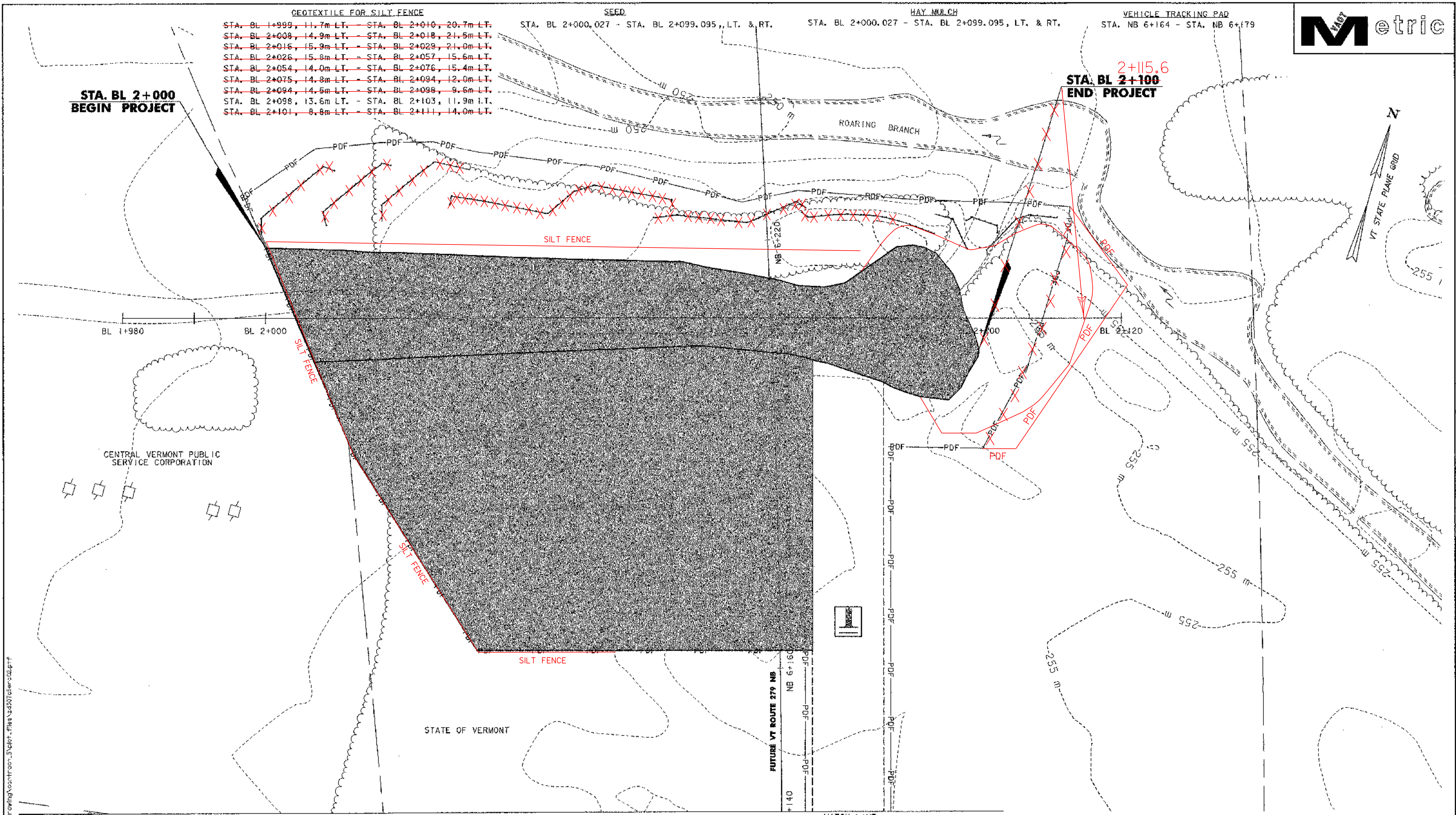
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PROJECT NUMBER:	NH 019-1(55)	DRAWN BY:	STANTEC
FILE NAME:	...\\plot_files\zd307c5ero01.ppf	CHECKED BY:	GARY SANTY
DESIGN SUPERVISOR:	GREG EDWARDS	SHEET	12 OF 19
DESIGNED BY:	MARC FOISY		
EROSION CONTROL PLAN EC-01			

V:\N953\active\N953\0002\transportation\drawing\contract_5\plot_files\zd307c5ero01.ppf

GEOTEXTILE FOR SILT FENCE	SEED	HAY MULCH	VEHICLE TRACKING PAD
STA. BL 1+999, 11.7m LT. - STA. BL 2+010, 20.7m LT.	STA. BL 2+000.027 - STA. BL 2+099.095, LT. & RT.	STA. BL 2+000.027 - STA. BL 2+099.095, LT. & RT.	STA. NB 6+164 - STA. NB 6+179
STA. BL 2+008, 14.9m LT. - STA. BL 2+018, 21.5m LT.			
STA. BL 2+016, 15.9m LT. - STA. BL 2+029, 21.0m LT.			
STA. BL 2+026, 15.8m LT. - STA. BL 2+057, 15.6m LT.			
STA. BL 2+054, 14.0m LT. - STA. BL 2+076, 15.4m LT.			
STA. BL 2+075, 14.8m LT. - STA. BL 2+094, 12.0m LT.			
STA. BL 2+094, 14.5m LT. - STA. BL 2+098, 9.6m LT.			
STA. BL 2+098, 13.6m LT. - STA. BL 2+103, 11.9m LT.			
STA. BL 2+101, 8.8m LT. - STA. BL 2+111, 14.0m LT.			

**STA. BL 2+000
BEGIN PROJECT**

**2+115.6
STA. BL 2+100
END PROJECT**



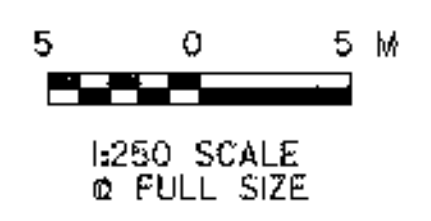
CENTRAL VERMONT PUBLIC SERVICE CORPORATION

STATE OF VERMONT

FUTURE VT ROUTE 279 NB

MATCH LINE
STA. NB 6+140,
SEE SHEET EC-01

LEGEND	
	VEHICLE TRACKING PAD
	TEMPORARY EROSION MATTING
	SEED AND HAY MULCHING
	SILT FENCE



VERMONT AGENCY OF TRANSPORTATION



PROJECT NAME: BENNINGTON	PLOT DATE: 3/28/2008
PROJECT NUMBER: NH 019-1(55)	DRAWN BY: STANTEC
FILE NAME: ...\\pof_files\zd307c5era02.ptf	CHECKED BY: GARY SANTY
DESIGN SUPERVISOR: GREG EDWARDS	SHEET 13 OF 19
DESIGNED BY: MARC FOISY	
EROSION CONTROL PLAN EC-02	

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EROSION CONTROL NARRATIVE



PROJECT DESCRIPTION

1. THE BENNINGTON NH 019-1 (55) PROJECT CONSISTS OF THE REMOVAL, TREATMENT AND DISPOSAL OF CONTAMINATED SOIL.
2. THE TOTAL DISTURBANCE ASSOCIATED WITH CONSTRUCTION OF THIS PROJECT SHALL BE LESS THEN 2 ACRES.
3. THIS PROJECT DRAINS TO THE RECEIVING WATER, ROARING BRANCH VIA OVERLAND FLOW.
4. THIS PROJECT IS BEING CONSTRUCTED BETWEEN VT ROUTE 9 AND THE ROARING BRANCH IN AN AREA THAT HAS BEEN PREVIOUSLY DISTURBED.

CONSTRUCTION SEQUENCE

1. THE CONTRACTOR SHALL SEQUENCE CONSTRUCTION ACTIVITIES TO MINIMIZE THE EXTENT OF DISTURBED SOILS LEFT OPEN TO EROSION AT ANY GIVEN TIME.
2. THE GENERAL SEQUENCE FOR THE MAJOR CONSTRUCTION ACTIVITIES IS AS FOLLOWS:
 - A. ESTABLISH PERIMETER CONTROLS.
 - B. CLEARING.
 - C. CONSTRUCT HAUL ROAD ALONG LENGTH OF PROJECT.
 - D. REMOVAL OF CONTAMINATED SOIL.

CONTRACTOR RESPONSIBILITIES, LIMITATIONS & PROHIBITIONS

1. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO AMEND / UPDATE ALL PLANS AND EXISTING PERMITS WHEN SIGNIFICANTLY ALTERING CONSTRUCTION PHASING OR ADDING / MODIFYING WASTE / BORROW / STAGING AREAS, OR ANYTHING ELSE THAT MAY DEVIATE FROM THE APPROVED PLANS AS DIRECTED BY THE RESIDENT ENGINEER.
2. FURNISH, INSTALL, INSPECT AND MAINTAIN EROSION PREVENTION AND SEDIMENT CONTROL MATERIALS IN CONJUNCTION WITH THE PERFORMANCE OF THE WORK.
3. DISPOSE OF EXCESS SOIL MATERIALS IN A MANNER THAT WILL NOT RESULT IN SEDIMENTS ENTERING WATERS OF THE STATE.
4. WHERE POSSIBLE AVOID ALL LAND DISTURBANCES WITHIN 15M OF ALL WATER BODIES, MEASURED FROM THE TOP OF BANK, WHERE NECESSARY FOR THE CONSTRUCTION OF EPSC MEASURES, MINIMIZE, TO THE EXTENT POSSIBLE, LAND DISTURBANCE TO THAT NECESSARY TO INSTALLATION AND MAINTAIN THE MEASURES.
5. MAINTAIN AND PRESERVE TO THE EXTENT POSSIBLE THE SITE'S NATURAL DRAINAGE WAYS THAT CONVEY STORMWATER TO STREAMS, RIVERS, LAKES, PONDS AND WETLANDS.
6. CONTRACTOR TO MAINTAIN ALL EXISTING STREAMS AND RIPARIAN BUFFER ZONES IN THEIR NATURAL CONDITION.
7. DISPOSE OF SEDIMENTS AND OTHER POLLUTANTS THAT HAVE BEEN COLLECTED AND REMOVED IN THE COURSES OF STORMWATER TREATMENT IN A MANNER THAT WILL NOT RESULT IN THE SEDIMENTS AND POLLUTANTS ENTERING WATERS OF THE STATE.
8. NO SILT FENCE SHALL BE UTILIZED IN AREAS OF CONCENTRATED FLOWS, SUCH AS CHANNELS OR DITCHES.
9. DISPOSAL OF SEDIMENT IN A WETLAND OR ANY CORRECTIVE ACTION UNDERTAKEN TO REMOVE SEDIMENT FROM A WETLAND IS PROHIBITED.
10. THE FAILURE TO PROMPTLY ABATE THE DISCHARGE OF SEDIMENT OR ANY OTHER WASTE WHICH CAUSES A VISIBLE DISCOLORATION OF SURFACE WATERS (INCLUDING WETLANDS), OR IS FOUND TO BE VIOLATING WATER QUALITY STANDARDS BASED ON MONITORING, IS PROHIBITED.
11. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE STATE OF VT "THE LOW RISK SITE HANDBOOK FOR EROSION PREVENTION AND SEDIMENT CONTROL" AND "THE VERMONT STANDARDS AND SPECIFICATION FOR EROSION PREVENTION AND SEDIMENT CONTROL".

PRECONSTRUCTION NOTES

1. CONTRACTOR TO ESTABLISH LIMITS OF SOIL DISTURBANCE, LOCATION OF SOIL STOCKPILES, CONSTRUCTION STAGING AREAS, STORAGE AREAS, REFUELING AND MAINTENANCE AREAS, LIMITS TO BE DEMARCATED WITH PROJECT DEMARCATION FENCING (PDF) WHICH CONSISTS OF 100MM (4") WIDE TAPE ATTACHED TO STAKES, SPACED AT REGULAR INTERVALS.
2. CONTRACTOR TO ESTABLISH AND MARK BOUNDARIES FOR SENSITIVE RESOURCE AREAS, SUCH AS WETLANDS AND RIPARIAN BUFFER ZONES, WITH BARRIER FENCING (SNOW FENCING).
3. INSTALLATION OF PRIMER SEDIMENT CONTROL MEASURES SHALL BE COMPLETED PRIOR TO INITIATING PRINCIPAL EARTHWORK ACTIVITIES.

CONSTRUCTION NOTES

1. STABILIZED CONSTRUCTION ENTRANCES OR VEHICLE TRACKING PADS WILL BE UTILIZED TO REDUCE OR ELIMINATE THE TRACKING OF SEDIMENT ONTO PUBLIC RIGHTS OF WAY OR STREETS.
2. VEHICLE AND EQUIPMENT STORAGE AREAS: FOLLOWING COMPLETION OF CONSTRUCTION, ALL NON-NATIVE MATERIALS SHALL BE REMOVED FROM THE STAGING AREA. COMPACTED, RUTTED, OR OTHERWISE DISTURBED SOILS SHALL BE TILLED, RAKED, SEEDED AND MULCHED.
3. ERODIBLE MATERIALS STOCKPILED WITHIN THE MATERIAL STORAGE AREAS SHALL BE ISOLATED WITH SILT FENCE OR OTHER ACCEPTABLE SEDIMENT BARRIER, SOIL STOCKPILED ON THE SITE THAT WILL NOT BE WORKED FOR MORE THAN SEVEN (7) DAYS SHALL BE MULCHED.
4. CONSTRUCTION HAUL ROADS SHALL BE MAINTAINED WITH A STABLE SURFACE. IN THE EVENT THAT A PORTION OF THE HAUL ROADS IS DEEMED UNSTABLE, THE CONTRACTOR SHALL IMPLEMENT STABILIZATION MEASURES, AS DIRECTED BY THE RESIDENT ENGINEER.
5. WEATHER CONDITIONS WILL BE MONITORED DURING THE CONSTRUCTION SEASON. IF AN EXTENDED RAIN PERIOD OR HEAVY RAIN IS PREDICTED, EXPOSED SOIL AREAS WILL BE MULCHED PRIOR TO AND DAILY DURING THE RAIN EVENT. IF DETERMINED NECESSARY BY THE RESIDENT ENGINEER, WORK MAY BE SUSPENDED OR LIMITED DURING THE STORM.
6. A LIST OF THE EXPECTED EPSC MEASURES AND THE LOCATIONS THAT THEY WILL BE EMPLOYED ARE OUTLINED IN THE FOLLOWING TABLE AND ON THE EROSION CONTROL PLAN SHEETS. ADDITIONAL CONTROL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ON-SITE PLAN COORDINATOR OR THE RESIDENT ENGINEER, DEPENDING UPON ACTUAL FIELD CONDITIONS ENCOUNTERED.

PROJECT DEMARCATION FENCING
SILT FENCE
SEED, MULCH & MATTING
VEHICLE TRACKING PADS

STABILIZATION NOTES

1. SEED AND MULCH WILL BE USED FOR BOTH PERMANENT AND TEMPORARY STABILIZATION MEASURES. ROLLED EROSION CONTROL PRODUCT (RECP) WILL BE USED IN PLACE OF MULCH FOR SLOPES GREATER THAN 1V:3H. MULCH TO BE APPLIED AT A MINIMUM RATE OF 4500Kg / Ha (250 - 300 Bales / Ha, OR ACHIEVE 90% GROUNDCOVER) OR AS DIRECTED OTHERWISE BY THE ENGINEER.
2. SOIL STOCKPILES AND DISTURBED AREAS THAT WILL NOT BE WORKED FOR MORE THAN 7 DAYS SHALL BE TEMPORARILY STABILIZED WITH MULCH / RECP WITHIN 24 HOURS.
3. SOIL STOCKPILES AND DISTURBED AREAS THAT WILL NOT BE WORKED FOR MORE THAN 30 DAYS SHALL BE TEMPORARILY STABILIZED WITH SEED AND MULCH / RECP WITHIN 24 HOURS.
4. EXPOSED AREAS THAT HAVE ACHIEVED FINAL GRADE SHALL BE PERMANENTLY STABILIZED WITHIN 48 HOURS.
5. IN AREAS WHERE VEGETATIVE COVER WILL PROVIDE PERMANENT STABILIZATION, SEEDING TO BE COMPLETED BETWEEN APRIL 15 AND SEPTEMBER 15.

INSPECTION & MONITORING NOTES

1. CONTRACTOR TO CONDUCT INSPECTIONS AND MONITORING IN ACCORDANCE WITH SPECIAL PROVISIONS AND SPECIFIC PERMIT REQUIREMENTS.

VERMONT AGENCY OF TRANSPORTATION

PROJECT NAME: BENNINGTON
PROJECT NUMBER: NH 019-1(55)

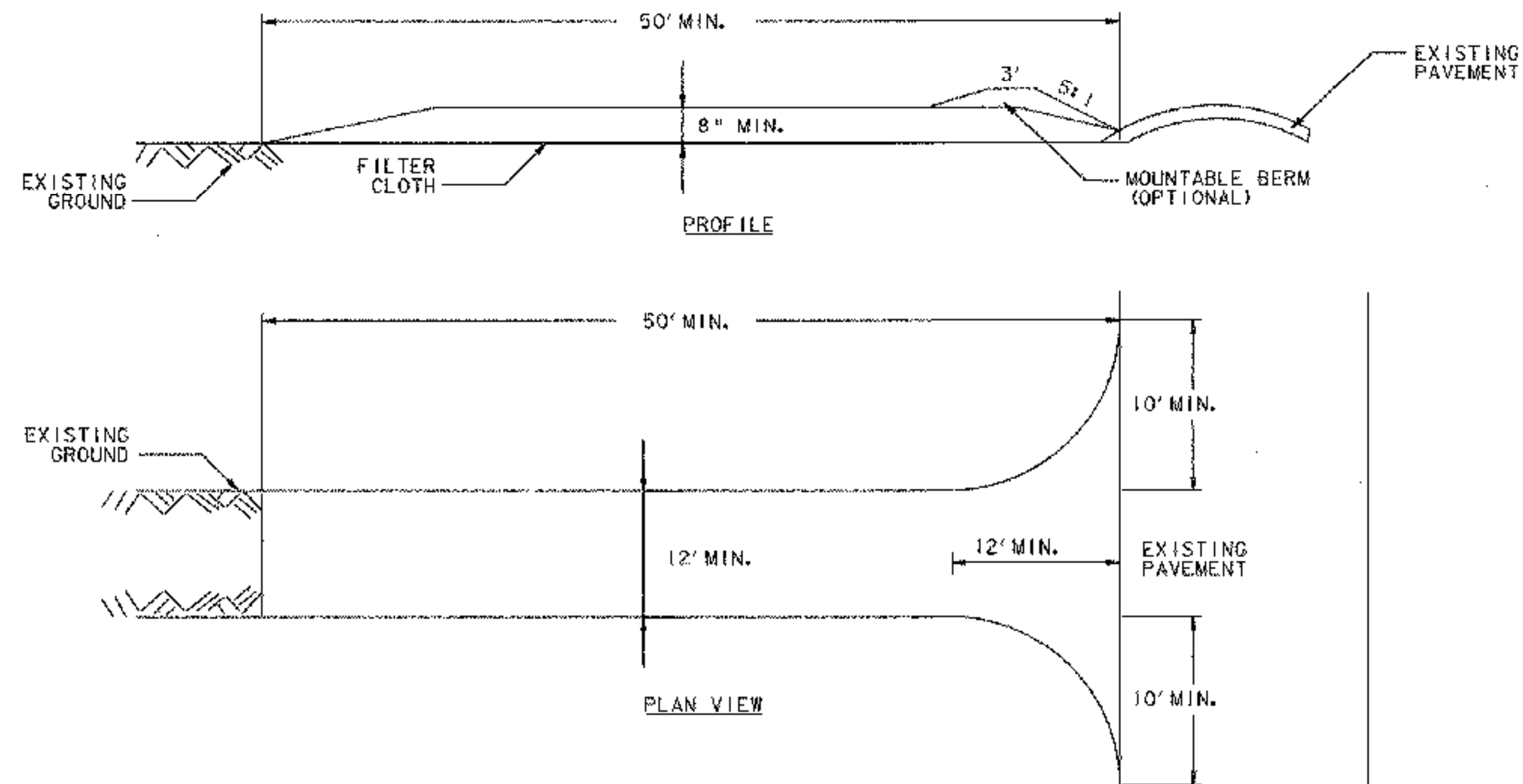
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DESIGNED BY: CHECKED BY:
EPSC DETAIL ECD-01 SHEET 14 OF 19

ENGLISH UNITS RETAINED FROM ORIGINAL DETAIL.

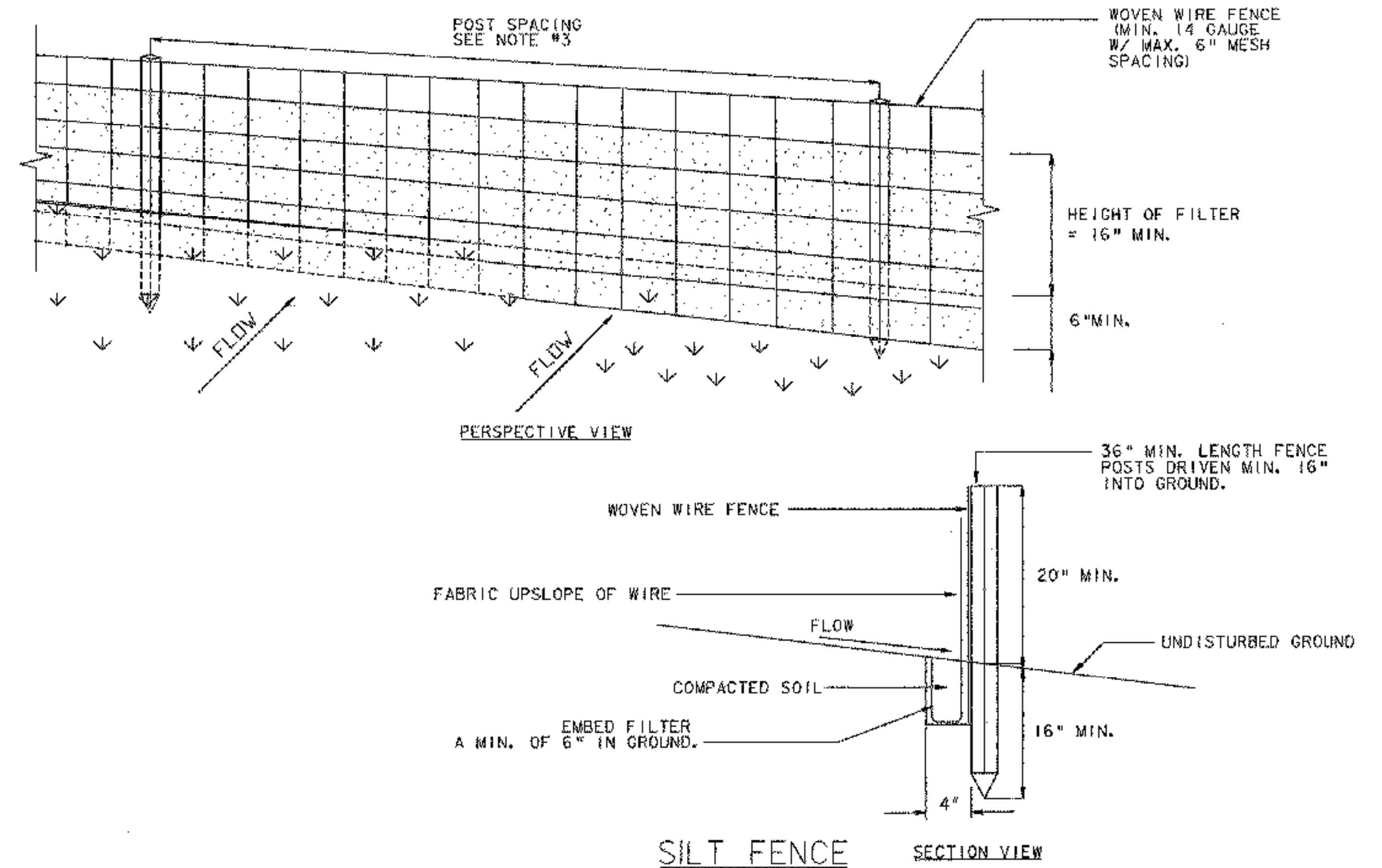
SYMBOL



USE RURAL SEEDING CHART



STABILIZED CONSTRUCTION ENTRANCE



CONSTRUCTION SPECIFICATION

CONSTRUCTION SPECIFICATION

1. STONE SIZE - USE 1-4" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH APPLIES).
3. THICKNESS - NOT LESS THAN EIGHT (8) INCHES.
4. WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT 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.
10. THIS ITEM SHALL BE PAID FOR UNDER ITEM 653.35 VEHICLE TRACKING PAD.

1. WOVEN WIRE FENCE REINFORCEMENT IS ONLY REQUIRED WITHIN 100 FT UPSLOPE OF RECEIVING WATERS.
2. WHERE REQUIRED FENCE SHALL BE WOVEN WIRE, MIN. 14 GAUGE WITH A 6" MAXIMUM MESH OPENING. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, 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'. FOR FILTER-CLOTH FENCE, 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 SIX INCHES AND FOLDED.
6. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
7. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN SEDIMENT REACHES HALF OF FABRIC HEIGHT.
8. SILT FENCE PAID FOR AS ITEM 649.51 - GEOTEXTILE FOR SILT FENCE

NOTES:

1. REFER TO "THE VERMONT STANDARDS & SPECIFICATIONS FOR EROSION PREVENTION & SEDIMENT CONTROL -2006-" FROM THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL GUIDANCE.
2. ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC ORIGINALLY DEVELOPED BY USDA-NRCS VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION

VERMONT AGENCY OF TRANSPORTATION

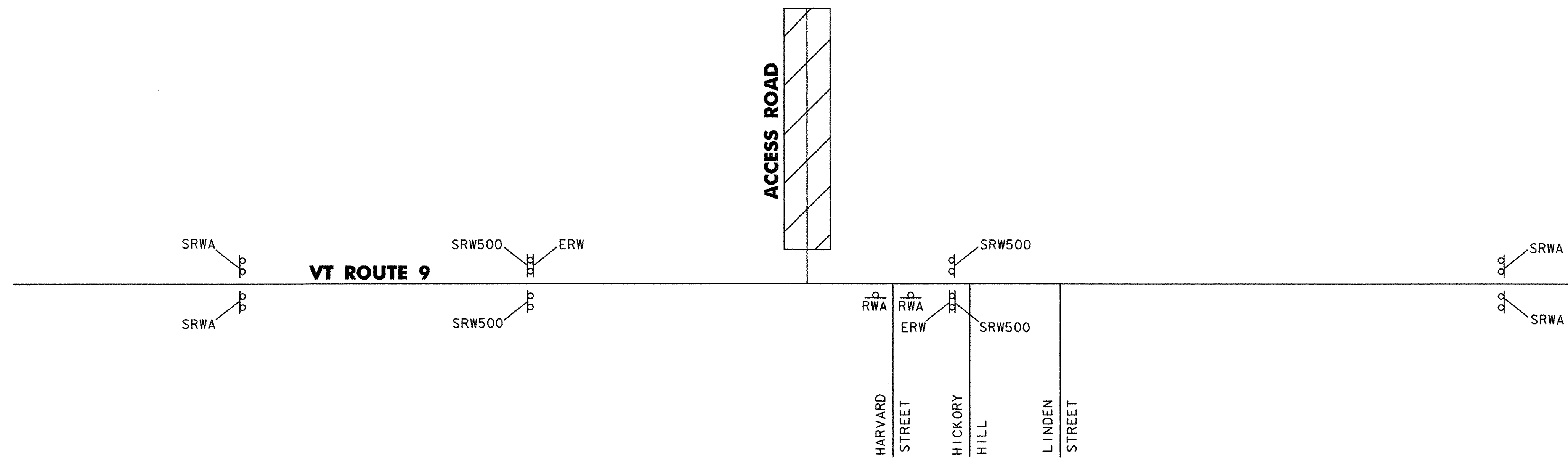
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DESIGNED BY:	CHECKED BY:
EPSC DETAIL ECD-02	SHEET 15 OF 19

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LEGEND

ERW = END ROAD WORK
 SRWA = SIDE ROAD WORK AHEAD
 SRW 500 = SIDE ROAD WORK 500 FT

LOCATION	ERW	SRWA	SRW500	RWA
VT ROUTE 9	2	4	4	
HARVARD STREET				2
TOTALS	2	4	4	2



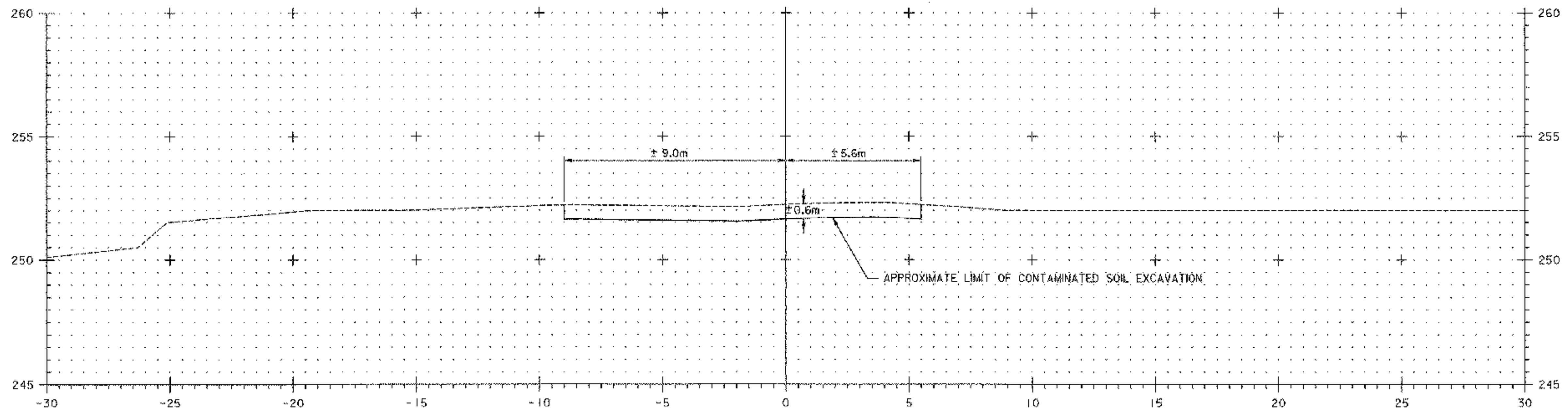
CONSTRUCTION APPROACH SIGNING
 NOT TO SCALE
 SEE VTrans STANDARD E-100A FOR SIGN PLACEMENT.

NOTE:
 PAYMENT FOR CONSTRUCTION SIGNING WILL BE MADE UNDER ITEM 641.10.

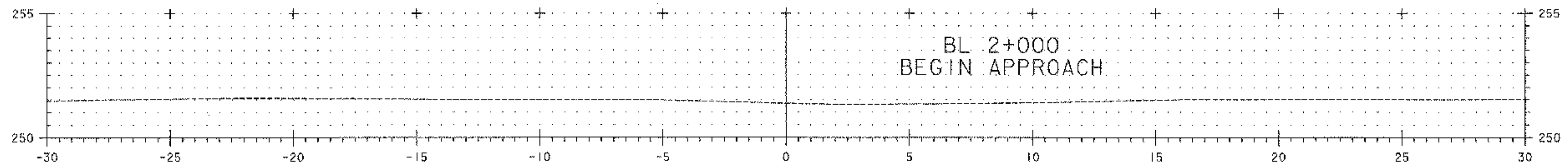
VERMONT AGENCY OF TRANSPORTATION



PROJECT NAME: BENNINGTON
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 DESIGN SUPERVISOR: GREG EDWARDS DRAWN BY: STANTEC
 DESIGNED BY: MARC FOISY CHECKED BY: GARY SANTY
CONSTRUCTION APPROACH SIGNING CAS-01 SHEET 16 OF 19

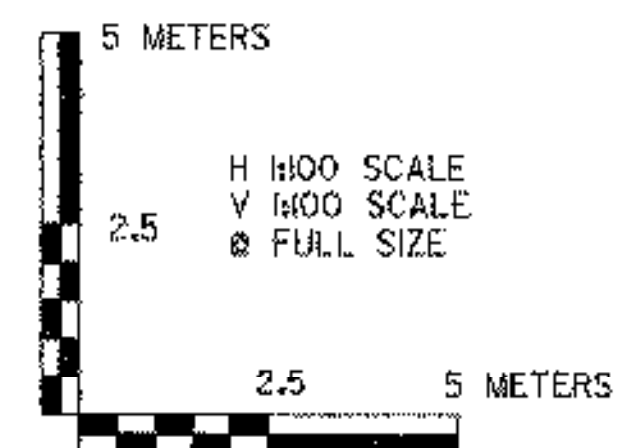


BL 2+020



BL 2+000

SEE PROJECT FILES



VERMONT AGENCY OF TRANSPORTATION

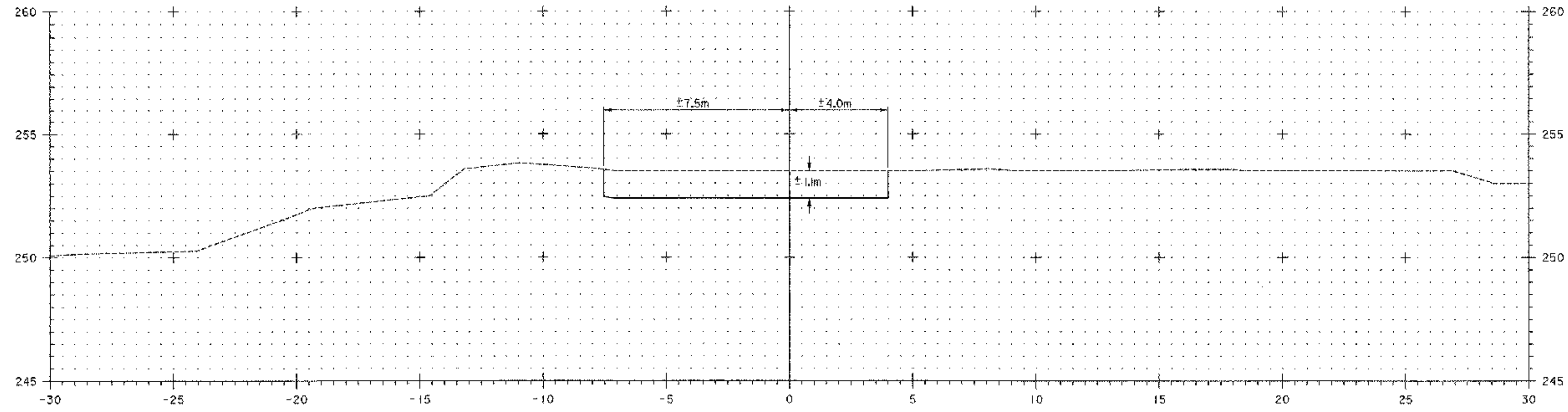


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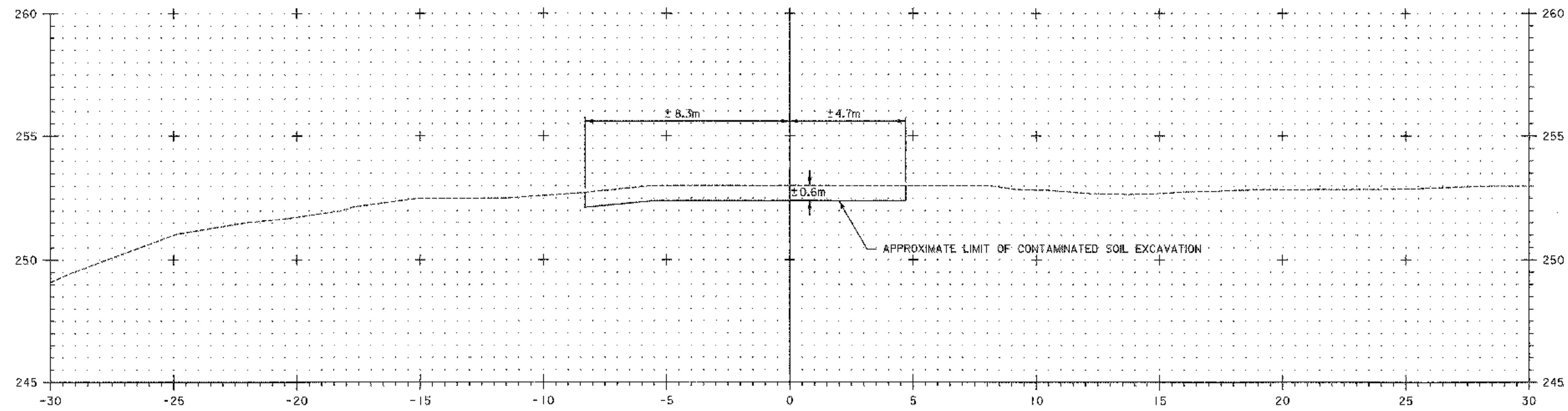
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DESIGN SUPERVISOR: GREG EDWARDS
DESIGNED BY: MARC FOISY
BASELINE CROSS SECTIONS BL-01

PLOT DATE: 3/28/2008
DRAWN BY: STANTEC
CHECKED BY: GARY SANTY
SHEET 17 OF 19

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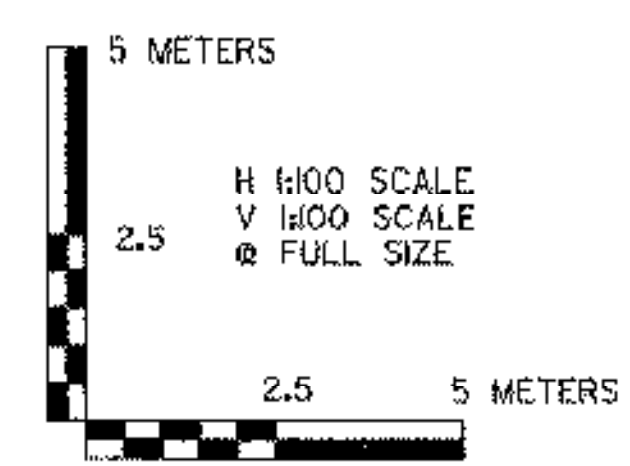


BL 2+060



BL 2+040

SEE PROJECT FILES

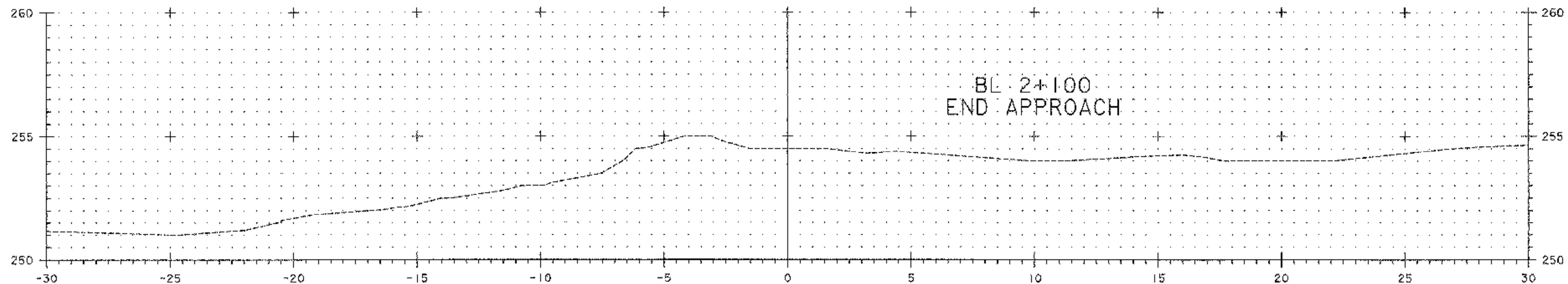


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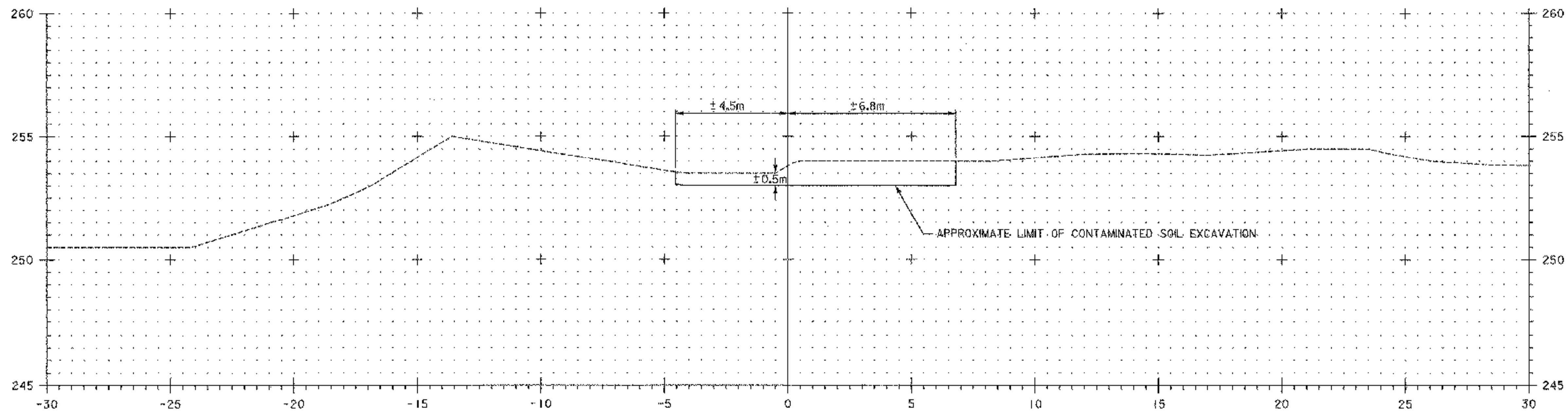


PROJECT NAME:	BENNINGTON	PLOT DATE:	3/28/2008
PROJECT NUMBER:	NH 019-K(55)	DRAWN BY:	STANTEC
FILE NAME:	...z307c5xs_baseline.ptf	DESIGNED BY:	MARC FOISY
DESIGN SUPERVISOR:	GREG EDWARDS	CHECKED BY:	GARY SANTY
BASELINE CROSS SECTIONS BL-02		SHEET 18 OF 19	

V:\9853\acrive\9853\02\transportation\drawing\cont\plot\plot_5\plot_5\files\z307c5xs_baseline.ptf

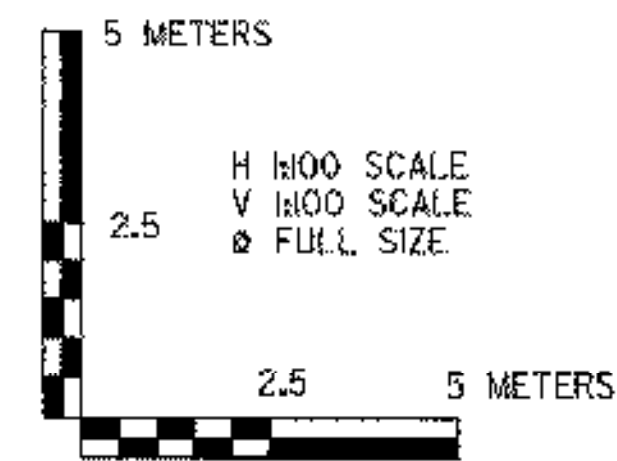


BL 2+100



BL 2+080

SEE PROJECT FILES



VERMONT AGENCY OF TRANSPORTATION	
	PROJECT NAME: BENNINGTON
	PROJECT NUMBER: NH 019-1(55)
	FILE NAME: ...\\zd307c5x6_baseline.plt
	DESIGN SUPERVISOR: GREG EDWARDS
DESIGNED BY: MARC FOISY	PLOT DATE: 3/28/2008
BASLINE CROSS SECTIONS BL-03	DRAWN BY: STANTEC
	CHECKED BY: GARY SANTY
	SHEET 19 OF 19

Y:\1923\ocofive\15231602\1\transport\01\drawing\contr\cot_5\plot_files\z307c5x6_baseline.plt