

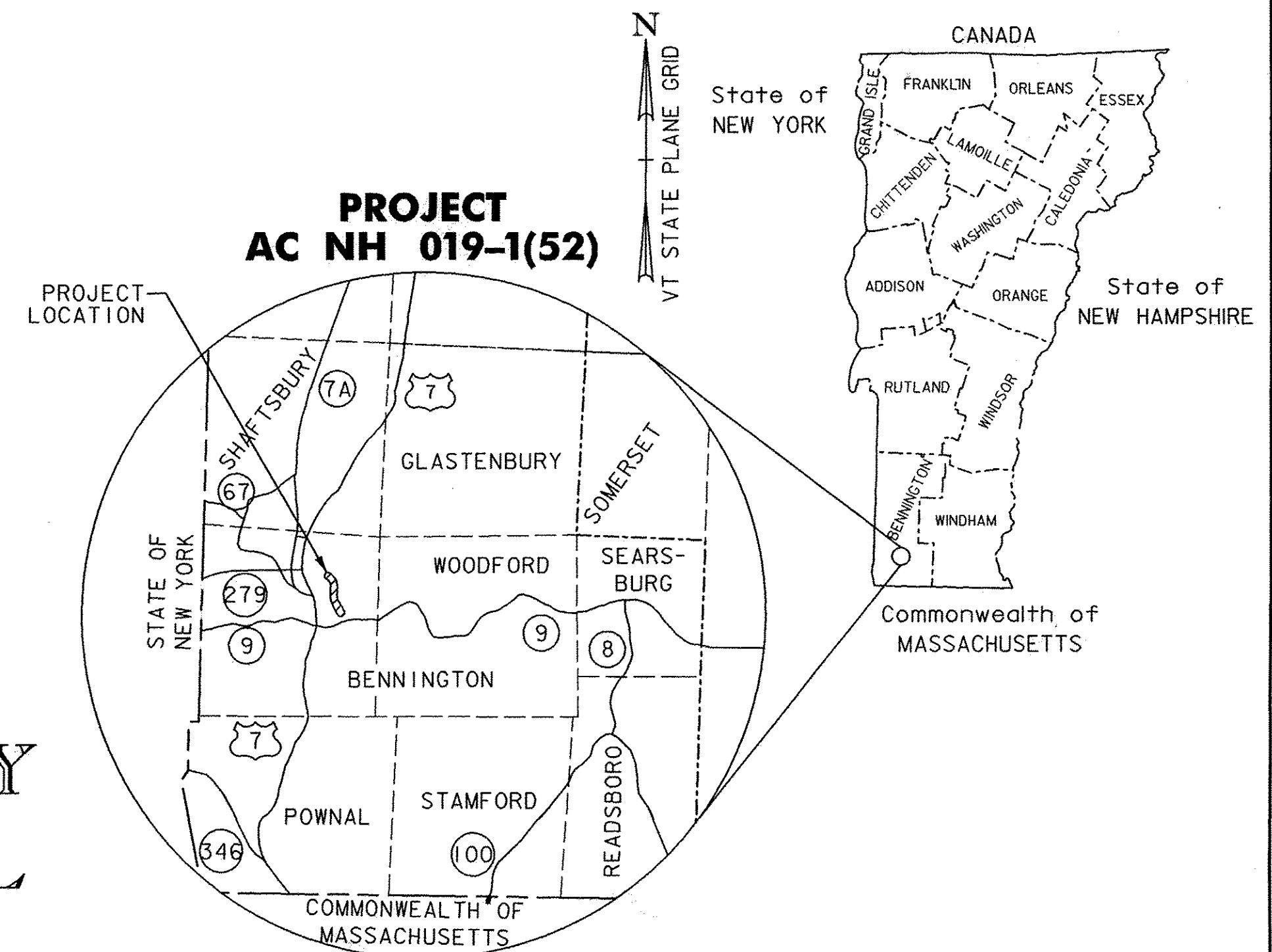
INDEX OF SHEETS
SEE SHEET 2

STATE OF VERMONT
AGENCY OF TRANSPORTATION



PROPOSED IMPROVEMENT
TOWN OF BENNINGTON
COUNTY OF BENNINGTON
WWII VETERANS MEMORIAL HIGHWAY
VT ROUTE 279, PRINCIPAL ARTERIAL
BENNINGTON AC NH 019-1(52)

BEGINNING AT STA. NB 6+540.000, AT A POINT APPROXIMATELY 115 METERS NORTH OF THE ROARING BRANCH RIVER AND EXTENDING TO STA. NB 8+515.000 ENDING AT A POINT APPROXIMATELY 170 METERS WEST OF CHAPEL ROAD IN A NORTH AND WEST DIRECTION. WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES GRADING, DRAINAGE, SUBBASE, PAVEMENT, LANDSCAPING, CONSTRUCTION OF A NEW SPILLWAY AT VETERANS RESERVOIR, AND AMPHIBIAN MITIGATION SITE FOR A NEW STATE HIGHWAY.
LENGTH OF PROJECT = 1,975.000 METERS = 1.975 KILOMETERS
LENGTH OF BRIDGE = 34.469 METERS = 0.034 KILOMETERS



TRAFFIC DATA

2010 ADT = 9,100
2030 ADT = 11,800
2010 DHV = 1,365
2030 DHV = 1,770
% TRUCKS = 6.12
DESIGN SPEED= 100 km/h

RECORD PLANS

CONTRACTOR: PIKE INDUSTRIES, INC. - BERLIN, VT
RESIDENT ENGINEER: RON LEMAIRE
CONSTRUCTION BEGAN: APRIL 28, 2008
CONSTRUCTION COMPLETE: OCTOBER 14, 2010
RECORD PLANS BY: RON LEMAIRE & AMOS KEMPTON

I HEREBY CERTIFY THAT ALL THE CONSTRUCTION REQUIRED BY THIS SET OF DRAWINGS HAS BEEN ACCOMPLISHED AS INDICATED HEREIN.
BY: *[Signature]* RESIDENT ENGINEER
DATE: 12/08/11

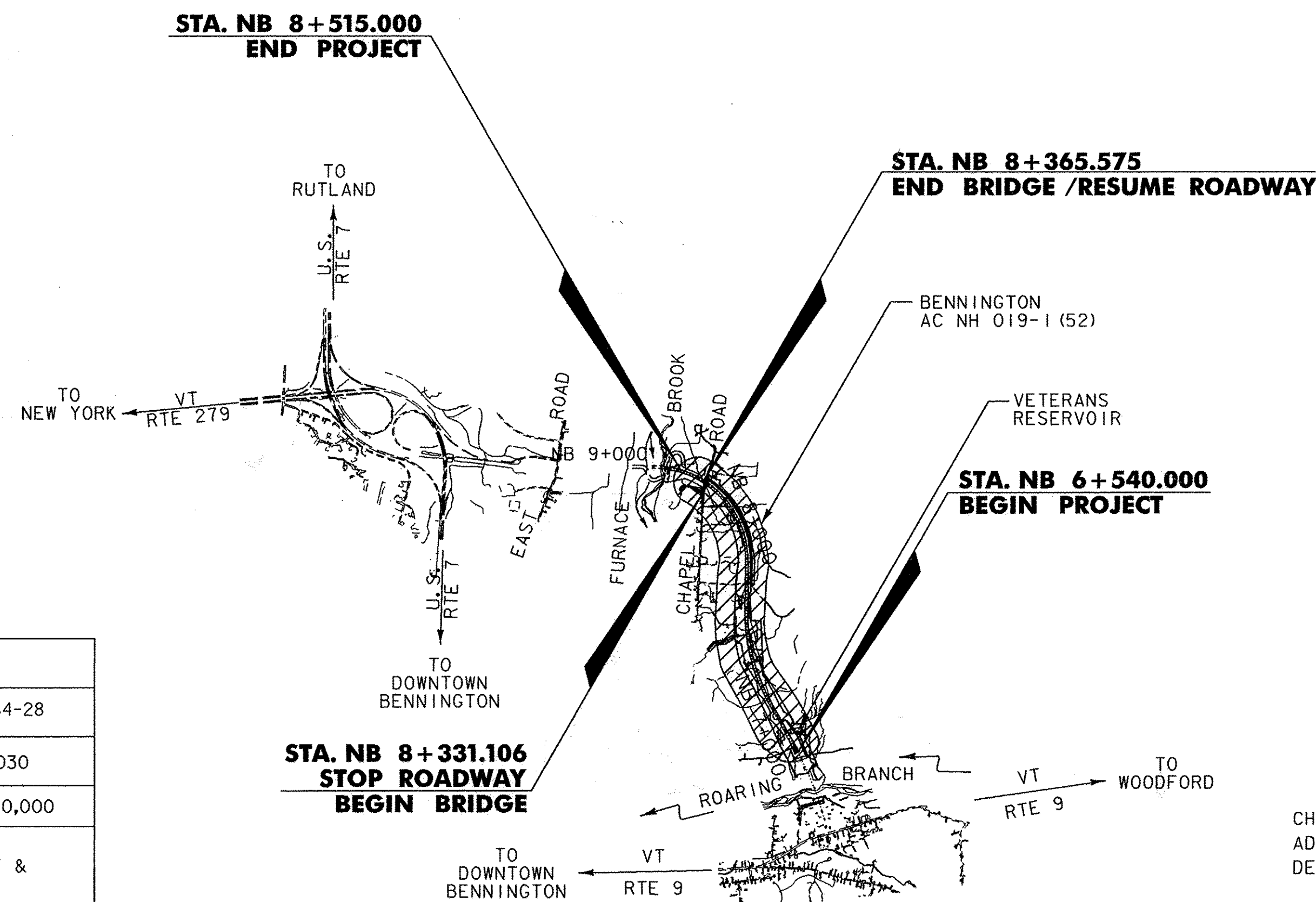
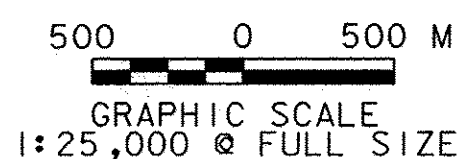
NOTE: Any further information concerning final quantities, amounts or other details relative to this project may be found at Central Files in the electronic archives.

CONVENTIONAL SYMBOLS

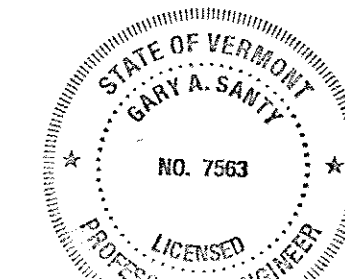
COUNTY LINE	
TOWN LINE	
LIMITS OF ACCESS	
POINT OF ACCESS	
FENCE LINE	
STONE WALL	
TRAVELED WAY	
RAILROAD	
SURVEY LINE	
CULVERT	
POWER POLE	
TELEPHONE POLE	
TREES	
CONTROL OF ACCESS	
PROPERTY LINE	
R.O.W. TAKING LINE	
SLOPE RIGHTS	
TOP OF CUT	
TOE OF SLOPE	
ARCHEOLOGICAL	
CLEAR ZONE	
WETLAND DELINEATION	

BITUMINOUS CONCRETE PAVEMENT
SUPERPAVE MIX DESIGN CRITERIA

DESIGN GRAYATION	100
PERFORMANCE GRADE BINDER	PG 64-28
DESIGN ESAL	2030
VT ROUTE 279	10,050,000
SURVEYED BY :	VERMONT SURVEY & ENGINEERING
SURVEYED DATE :	1995
DATUM	
VERTICAL	NAVD88
HORIZONTAL	NAD83 (1992)



VT STATE PLANE GRID



Gay A. Santy
12/20/2007

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.



UNLESS NOTED OTHERWISE
STATIONS ARE IN KILOMETERS
ELEVATIONS ARE IN METERS
DIMENSIONS ARE IN MILLIMETERS



Stantec

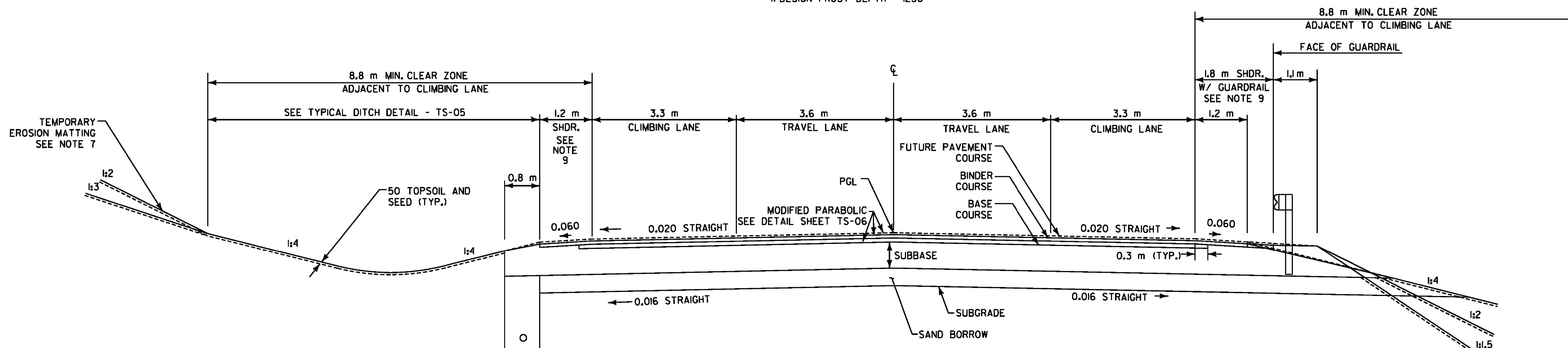
DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION APPROVED <i>Mark D. Rukta</i> DATE 2-11-08 DIVISION ADMINISTRATOR
DIRECTOR OF PROGRAM DEVELOPMENT APPROVED <i>[Signature]</i> DATE 1-9-08
PROJECT MANAGER : JAMES HARRIS
PROJECT NAME : BENNINGTON PROJECT NUMBER : AC NH 019-1 (52)
SHEET 1 OF 267 SHEETS

TYPICAL SECTION - MAINLINE: WITH CLIMBING LANES

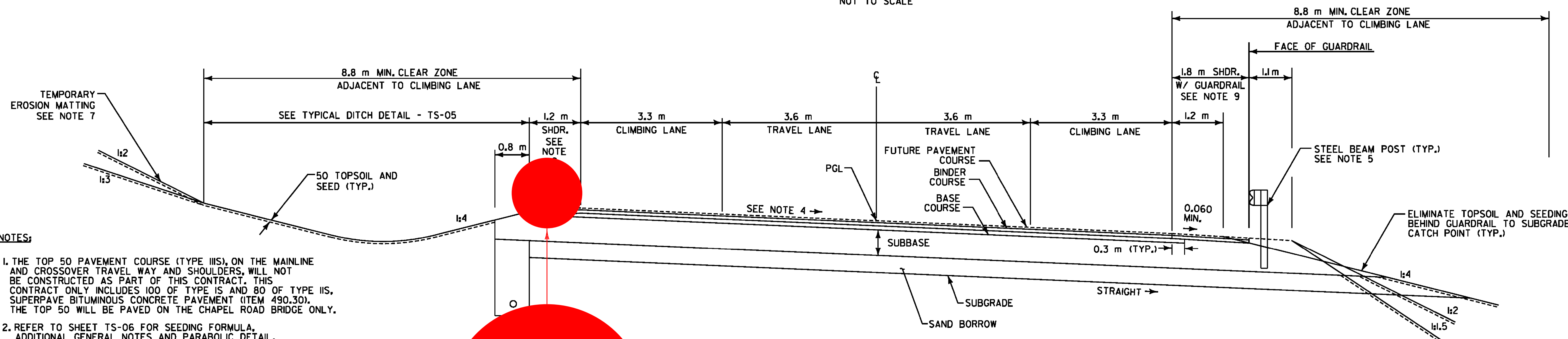
MATERIAL ITEM	THICKNESS TOLERANCE
PAVEMENT COURSES (TOTAL DEPTH)	+/- 5
SUBBASE (TOTAL DEPTH)	+/- 30
SAND BORROW (TOTAL DEPTH)	+/- 30

50	FUTURE PAVEMENT COURSE, SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (TYPE IIIIS)	NOT PART OF THIS CONTRACT
80	BINDER COURSE, SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (TYPE IIS) PG 64-28	
100	BASE COURSE, SUPERPAVE BITUMINOUS CONCRETE PAVEMENT, (TYPE IS) PG 64-28	
600	SUBBASE OF DENSE GRADED CRUSHED STONE	
400	SAND BORROW	
SHOULDERS:		
50	FUTURE PAVEMENT COURSE, SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (TYPE IIIIS)	NOT PART OF THIS CONTRACT
80	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (TYPE IIS) PG 64-28	

NOTE:
1) DESIGN FROST DEPTH - I230



NORMAL SECTION W/ CLIMBING LANES
NOT TO SCALE



BANKED SECTION W/ CLIMBING LANES

NOT TO SCALE
SLOPE VARIES, SEE BANKING DIAGRAM
ON PROFILE SHEETS PR-1 TO PR-7.

- NOTES:
- THE TOP 50 PAVEMENT COURSE (TYPE IIIIS), ON THE MAINLINE AND CROSSOVER TRAVEL WAY AND SHOULDERS, WILL NOT BE CONSTRUCTED AS PART OF THIS CONTRACT. THIS CONTRACT ONLY INCLUDES 100 OF TYPE IS AND 80 OF TYPE IIS, SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (ITEM 490.30). THE TOP 50 WILL BE PAVED ON THE CHAPEL ROAD BRIDGE ONLY.
 - REFER TO SHEET TS-06 FOR SEEDING FORMULA, ADDITIONAL GENERAL NOTES AND PARABOLIC DETAIL.
 - NB C & PGL CARRIED AT LEFT TRAVEL WAY FROM NB 8+958.0 TO 10+776.0
 - SEE BANKING DIAGRAM ON PROFILE SHEETS FOR CROSS SLOPES.
 - GUARDRAIL TO BE SET FOR ULTIMATE PAVEMENT ELEVATION.
 - EMULSIFIED ASPHALT TO BE APPLIED ON EXISTING PAVEMENT, BETWEEN ALL COURSES OF SUPERPAVE BITUMINOUS CONCRETE PAVEMENT AND ON COLD PLANED SURFACES, AT THE RATE AS IDENTIFIED IN STANDARD SPECIFICATION 404 OR AS DIRECTED BY THE ENGINEER.
 - TEMPORARY EROSION MATTING SHALL BE INSTALLED ON ALL SLOPES GREATER THAN 1:3, TO STABILIZE THE SLOPE.
 - FOR DETAIL ON THE CONSTRUCTION OF THE UNDERDRAIN PIPE AND TRENCH REFER TO VTRANS STANDARD DETAIL D-30.
 - NO INTERIM CONSTRUCTION TRAFFIC WILL BE ALLOWED ON THE SHOULDERS OF ROADWAYS THAT HAVE NOT RECEIVED THE FUTURE (TOP) PAVEMENT COURSE.

NOTE: ALL DIMENSIONS ARE IN MILLIMETERS (mm) EXCEPT WHERE NOTED.

VERMONT AGENCY OF TRANSPORTATION



PROJECT NAME: BENNINGTON
PROJECT NUMBER: AC NH 019-(52)

FILE NAME: ...\\plot_files\zd307c2typ.pxf
DESIGN SUPERVISOR: GREG EDWARDS
DESIGNED BY: MARC FOISY
TYPICAL TS-02

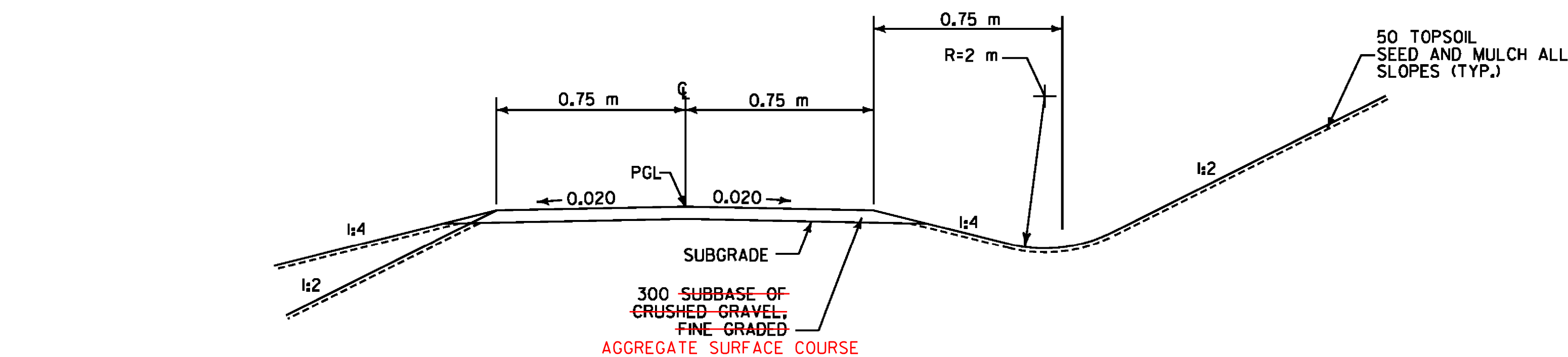
PLOT DATE: 5/16/2011
DRAWN BY: STANTEC
CHECKED BY: GARY SANTY
SHEET 4 OF 267

PGL=PROFILE GRADE LINE

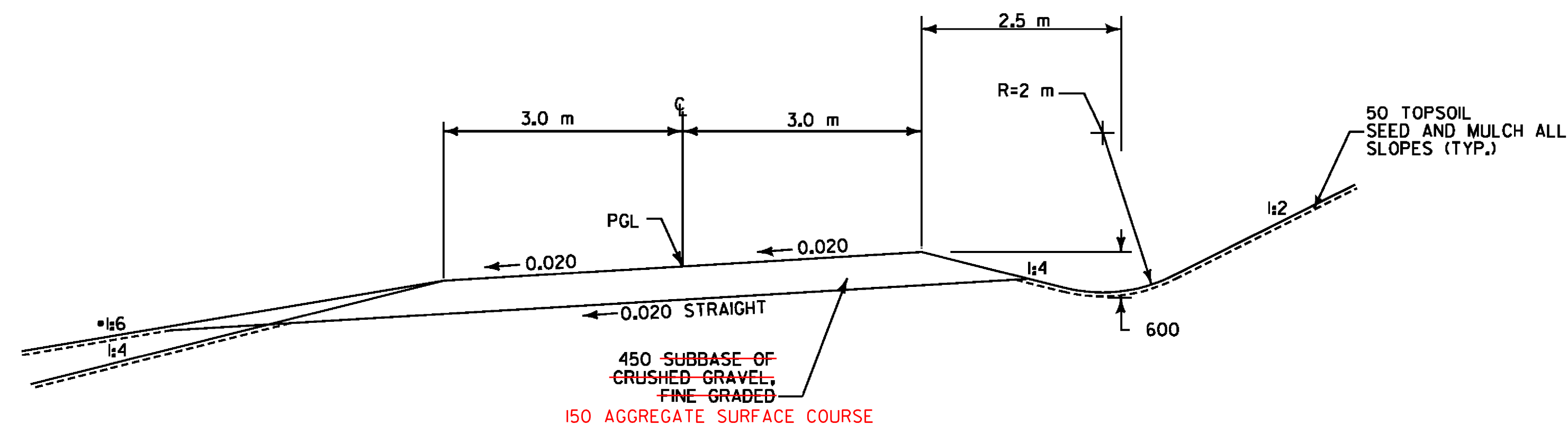
**TYPICAL SECTION
BALD MOUNTAIN TRAIL
QUARRY DRIVE
VETERAN'S RESERVOIR DRIVE**

NOTES:

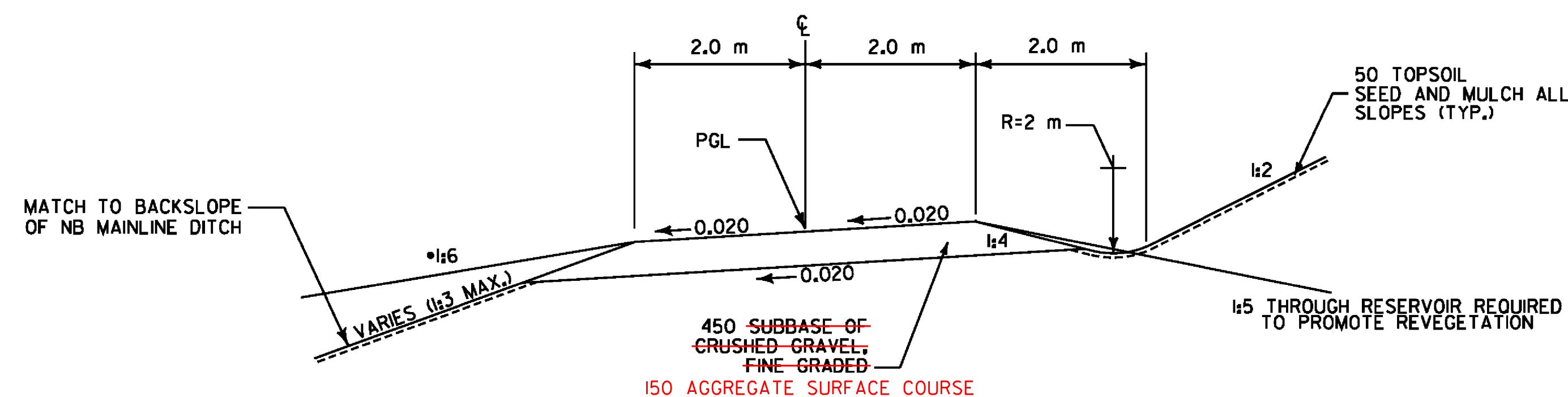
- FOR SLOPES IN SOLID ROCK EXCAVATION AND DRILLING AND BLASTING OF SOLID ROCK SUBGRADE, SEE VTrans STD. SHEET A-60 AND A-62 AND DETAILS
- REFER TO TYPICAL SECTION SHEET, TS-06 FOR SEEDING FORMULA AND ADDITIONAL GENERAL NOTES.



BALD MOUNTAIN TRAIL
NOT TO SCALE



QUARRY DRIVE
NOT TO SCALE



**VETERAN'S RESERVOIR ACCESS DRIVE AND
RELOCATED CVPS DRIVE**
NOT TO SCALE

NOTE: ALL DIMENSIONS ARE IN MILLIMETERS (mm) EXCEPT WHERE NOTED.

VERMONT AGENCY OF TRANSPORTATION



PROJECT NAME: BENNINGTON
PROJECT NUMBER: AC NH 019-1(52)

FILE NAME: ...\\plot_files\zd307c2typ.pxf
DESIGN SUPERVISOR: GREG EDWARDS
DESIGNED BY: MARC FOISY
TYPICAL TS-03

PLOT DATE: 5/16/2011
DRAWN BY: STANTEC
CHECKED BY: GARY SANTY
SHEET 5 OF 267

PGL=PROFILE GRADE LINE

ITEM DETAIL SHEET



CURB		POSITION		REMARKS
BEGN STATION	END STATION	LEFT	RIGHT	
km + m	km + m	M	M	
616.305 - BITUMINOUS CONCRETE CURB, TYPE A				
7+118 NB 7+120.9	610 NB 7+612.8		492.5	
NB 7+399.0	NB 7+609.0	201		
NB 8+201.0	NB 8+307.4	106.4		
NB 8+380.7	NB 8+529.5	148.8		
POSITION TOTAL		456.2	492.5	
SUBTOTAL		946.7		
ROUNDING		1.3		
TOTAL		950		

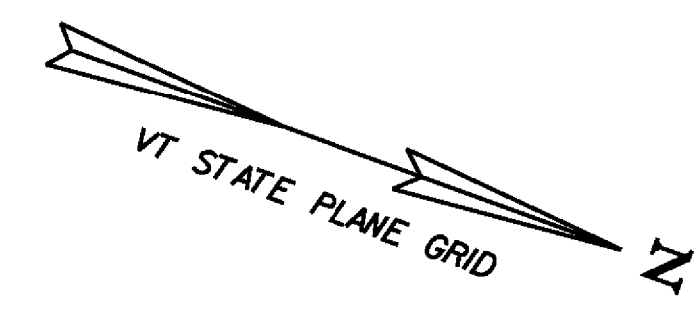
FENCE				
BEGIN STATION	END STATION	POSITION	QUANTITY	UNITS
km + m	km + m			
620.12 - CHAIN-LINK FENCE, 1.8 M				
VR 1+014.864	VR 1+095.690	RT	76.6	M
VB 1+039.598	VB 1+127.560	LT	88.2	M
VB 1+096.478	VR 1+015.124	RT	25.4	M
VB 1+120.447	VB 1+101.876	RT	18.9	M
VB 1+127.560	VB 1+120.509	RT	33.2	M
VR 1+146.442	VR 1+146.442	LT	2.5	M
VR 1+146.442	VR 1+146.442	RT	2.5	M
NB 7+096.467	NB 7+158.023	RT	85.0	M
NB 7+100.138	NB 7+161.972	RT	47.1	M
NB 7+125.785	NB 7+158.139	LT	58.2	M
NB 7+129.495	NB 7+161.868	LT	64.2	M
NB 7+599.345	NB 7+640.823	RT	41.6	M
QR 1+049.577	QR 1+786.551	LT	726.3	M
QR 1+049.000	QR 1+049.000	LT	2.0	M
QR 1+049.000	QR 1+049.000	RT	10.5	M
QR 1+420.000	QR 1+420.000	LT	4.4	M
QR 1+420.000	QR 1+420.000	RT	5.9	M
QR 1+783.551	QR 1+784.602	LT	3.9	M
QR 1+786.567	QR 1+787.498	RT	3.6	M
SUBTOTAL			1300	
ROUNDING			10	M
TOTAL			1310	M
620.16 - GATE FOR CHAIN-LINK FENCE, 1.8 M				
VR 1+014.864	VR 1+015.124	RT-LT	6.0	M
VR 1+146.442		LT-RT	5.0	M
QR 1+049.000		LT-RT	6.0	M
QR 1+420.000		LT-RT	6.0	M
QR 1+784.740	QR 1+786.405	LT-RT	7.2	M
SUBTOTAL			30	M
ROUNDING			-	M
TOTAL			30	M
620.25 - WOVEN WIRE FENCE WITH STEEL POSTS				
6+434 NB 6+401.855	NB 7+125.000	RT	725.7	M
NB 6+404.245	NB 6+640.306	LT	226.7	M
VR 1+091.043	NB 7+096.000	RT	384.4	M
NB 7+100.384	NB 7+599.345	RT	540.0	M
NB 7+130.000	NB 7+324.990	LT	210.6	M
NB 7+332.083	NB 8+305.480	LT	935.2	M
DR 1+012.033	DR 1+012.033	LT	6.5	M
DR 1+012.033	DR 1+012.033	RT	6.5	M
SUBTOTAL			3036	M
ROUNDING			24	M
TOTAL			3060	M
620.30 - DRIVE GATE FOR WOVEN WIRE FENCE				
DR 1+012.033		LT-RT	1	EACH
620.55 - REMOVAL OF EXISTING FENCE				
CV 5+148.457	VR 1+074.788	LT	137.9	M
CV 5+148.457	VR 1+074.788	RT	132.7	M
NB 7+940.000	NB 7+970.048	RT-LT	98.5	M
CH 1+343.117	CH 1+348.737	LT	5.4	M
SUBTOTAL			375	M
ROUNDING			0	M
TOTAL			375	M

GUARDRAIL					
BEGIN STATION	END STATION	POSITION		END TREATMENT	
		LEFT	RIGHT	BEGIN	END
km + m	km + m	m	m	ea	ea
621.20 - STEEL BEAM GUARDRAIL, GALVANIZED					
NB 7+000.0	7+308.6	312.4		1	1
NB 7+003.3	7+612.9		605.8	1	1
NB 7+399.0	7+799.0	400.1		1	1
136 NB 8+136.0	8+316.8		181.8	1	
218 NB 8+197.2	320 8+340.9	113.6			1
NB 8+377.3	8+526.0	148.7			
NB 8+383.1	8+526.0		142.9		
POSITION TOTAL		974.8	930.5		
SUBTOTAL				1905.3	
ROUNDING				0.7	
TOTAL				1906	
621.50 - MANUFACTURED TERMINAL END SECTION, FLARED					
POSITION TOTAL				4	4
SUBTOTAL				8	
ROUNDING				-	
TOTAL				8	
605.10-150 UNDERDRAIN ADDED TO CONTRACT					
NB 6+644 -	6+666	A	RT	REF	DP-02
NB 6+665 -	6+670	B	RT	REF	DP-02
NB 6+686 -	6+686	C	RT	REF	DP-02
NB 6+679 -	6+679	D	RT	REF	DP-02
NB 7+180 -	7+335	LT-RT		REF	DP-04
NB 7+160 -	7+180	BOX CULVERT		REF	DP-04
NB 7+980 -	8+034	U423	RT	REF	DP-06
NB 7+980 -	8+050	U405	LT	REF	DP-06
NB 8+320 -	8+340			REF	DP-09
NB 8+365 -	8+370			REF	DP-09

UNDERDRAIN										
BEGIN STATION	END STATION	TYPE	POSITION	DIA.	LENGTH	TRENCH (1)		FB	MKR	PST
						EARTH	ROCK			
km + m	km + m			mm	m	m ³	m ³	ea		ea
605.10 - 150 UNDERDRAIN										
NB 6+595.0	6+670.0	U503	RT	150	69	86.6		1		1
NB 6+595.0	6+670.0	U518	LT	150	69.2	86.8		1		1
NB 6+670.0	7+040.0	U519	LT	150	383.2	480.9		4		4
NB 6+670.0	6+760.0	U504	RT	150	84	105.4		1		1
NB 6+760.0	6+835.0	U506	RT	150	69	86.6		1		1
NB 6+835.0	6+910.0	U507	RT	150	69	86.6		1		1
NB 6+910.0	6+985.0	U508	RT	150	68.5	86		1		1
NB 6+985.0	7+070.0	U509	RT	150	81	101.7		1		1
NB 7+075.0	7+130.0	U416	RT	150	54.8	68.77		1		1
NB 7+157.7	7+165.0	U491	RT	150	7.1	8.9				
NB 7+640.0	7+850.0	U432	RT	150	206.9	259.7		2		2
NB 7+852.0	7+975.0	U424	RT	150	120.2	150.8		2		2
NB 7+880.0	7+975.0	U406	LT	150	89.7	112.6		1		1
NB 8+050.5	8+125.0	U422	RT	150	69.8	87.6		1		1
NB 8+050.5	8+125.0	U404	LT	150	68.2	85.6		1		1
NB 8+125.0	8+200.0	U403	LT	150	67.6	84.8		1		1
NB 8+130.0	8+200.0	U421	RT	150	69	86.7		1		1
SUBTOTAL		U				1646	2066			
ROUNDING		U				324				
TOTAL		U				1970				
605.20 - 150 UNDERDRAIN CARRIER PIPE										
14 FLUSHING BASINS		C	RT	150	17	70				
7 FLUSHING BASINS		C	LT	150	8	35				
NB 7+150.0	NB 7+130.0	C	RT	150	11					
SUBTOTAL		C				36				
ROUNDING						-				
TOTAL						36				
204.20 TRENCH EXCAVATION										
SUBTOTAL										2171
605.95 UNDERDRAIN FLUSHING BASIN										
SUBTOTAL									21	
619.17 YIELDING MARKER POSTS										
SUBTOTAL										21

1. GEOTEXTILE TO BE INCLUDED IN THE UNIT COST OF THE UNDERDRAIN CONSTRUCTION.
2. FOR ROUNDING AND PROJECT TOTALS FOR TRENCH EXCAVATION, YIELDING MARKER POSTS AND FLUSHING BASINS SEE QUANTITY SHEETS 1-6

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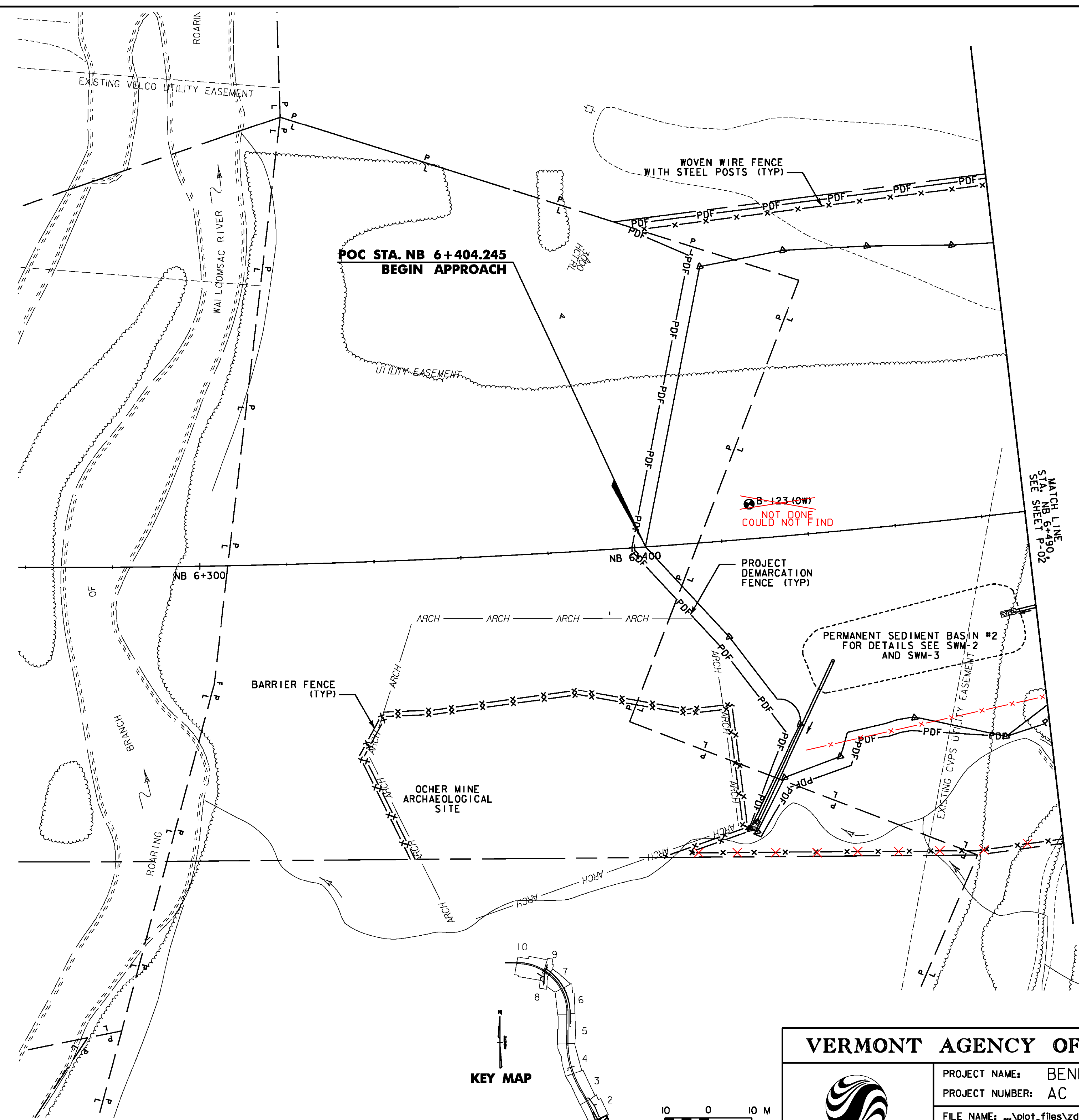


WOVEN WIRE FENCE WITH STEEL POSTS
 STA. NB 6+404.245, 74.2m LT. - STA. NB 6+490.000, 77.1m LT.
 STA. NB 6+401.855, 71.8m RT. - STA. NB 6+490.000, 75.7m RT.
 434 50m 497 42m

PROJECT DEMARCATION FENCE
 STA. NB 6+404.245, 74.2m LT. - STA. NB 6+399.368, C.
 STA. NB 6+399.368 C. - STA. NB 6+420.731, 67.0m RT.
 STA. NB 6+420.731, 67.0m RT. - STA. NB 6+490.000, 48.2m RT.
 STA. NB 6+406.539, 72.8m LT. - STA. NB 6+490.000, 75.6m LT.

BARRIER FENCE
 STA. NB 6+340.791, 34.7m RT. - STA. NB 6+345.598, 68.7m RT.
 STA. NB 6+340.791, 34.7m RT. - STA. NB 6+419.385, 37.5m RT.
 STA. NB 6+401.855, 71.8m RT. - STA. NB 6+419.385, 37.5m RT.

~~SPECIAL PROVISION (OBSERVATION WELL)~~
 STA. NB 6+427.000, 8.0m LT (B-123)
 NOT DONE
 COULD NOT FIND

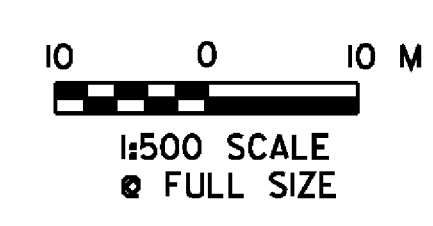
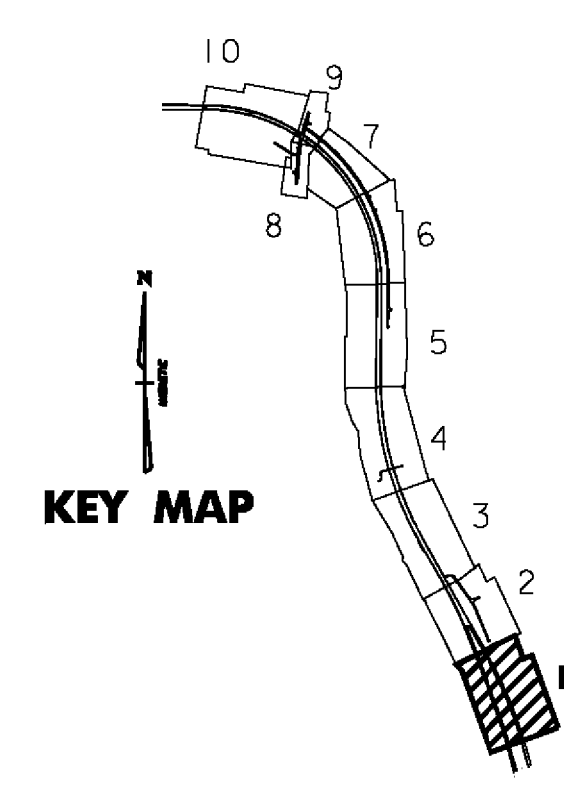


**POC STA. NB 6+404.245
 BEGIN APPROACH**

~~B-123 (OW)~~
 NOT DONE
 COULD NOT FIND

MATCH LINE
 STA. NB 6+490.000
 SEE SHEET P-02

LEGEND	
PDF — PDF —	PROJECT DEMARCATION FENCE
X—X—X—X—	BARRIER FENCE
x—x—x—x—	CHAIN-LINK FENCE
x—x—x—x—	RIGHT OF WAY FENCE
WETLAND BOUNDARY	
ARCH — ARCH	ARCHAEOLOGICAL SITE
WATER BOUNDARY	
P L	PROPERTY LINE



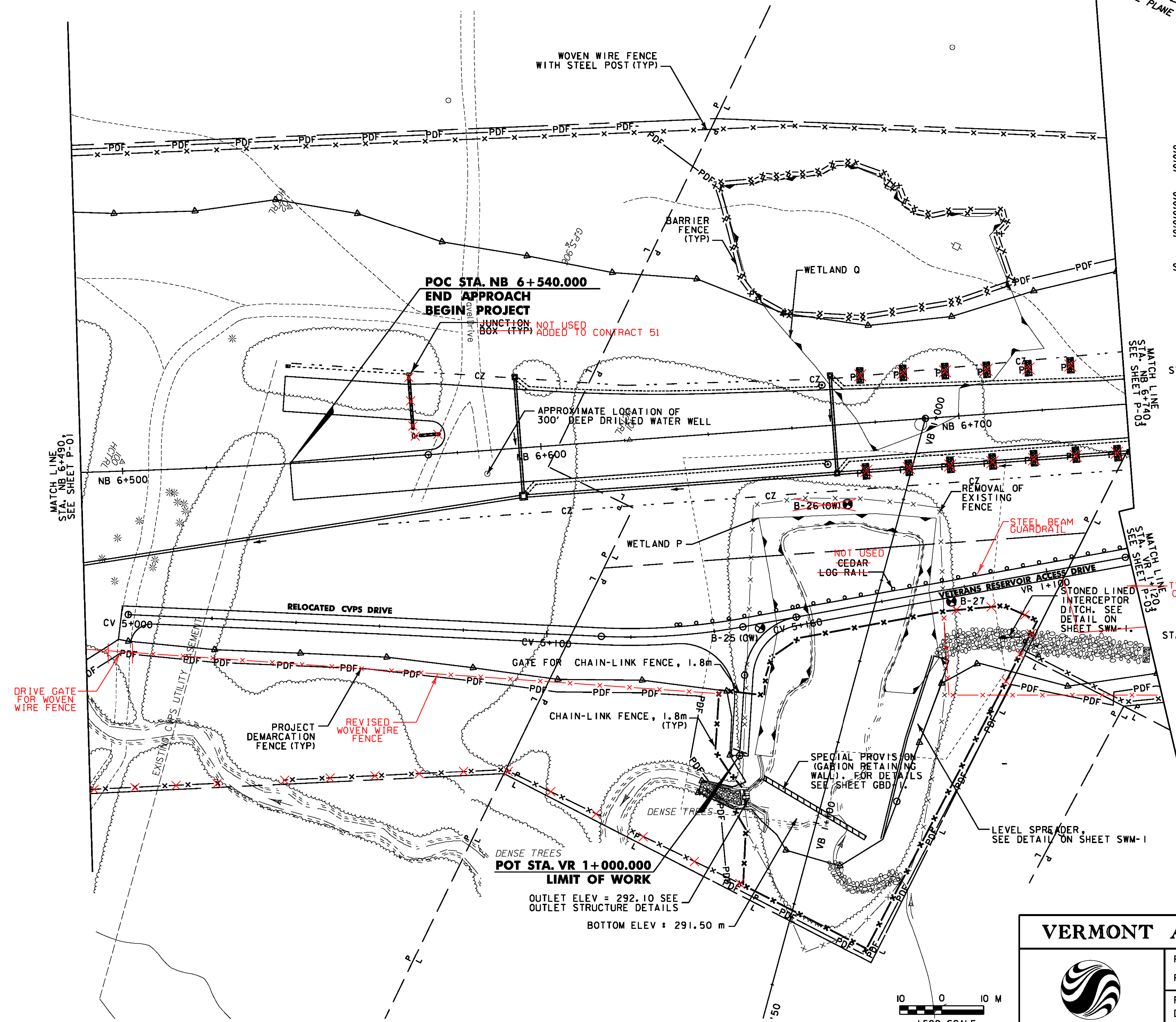
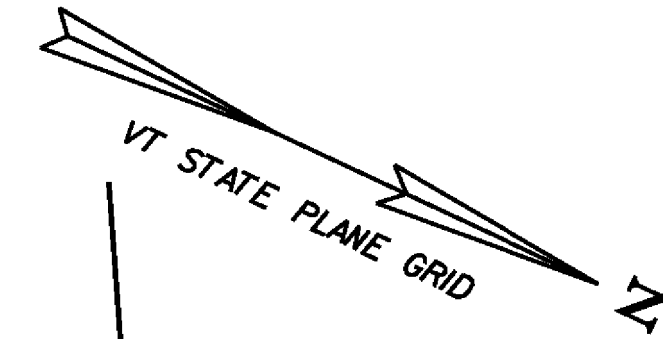
VERMONT AGENCY OF TRANSPORTATION



PROJECT NAME: BENNINGTON
 PROJECT NUMBER: AC NH 019-1(52)
 FILE NAME: ...plot.files\zd307c2p0lptf
 DESIGN SUPERVISOR: GREG EDWARDS
 DESIGNED BY: MARC FOISY
 GENERAL PLAN P-01

PLOT DATE: 5/16/2011
 DRAWN BY: STANTEC
 CHECKED BY: GARY SANTY
 SHEET 71 OF 267

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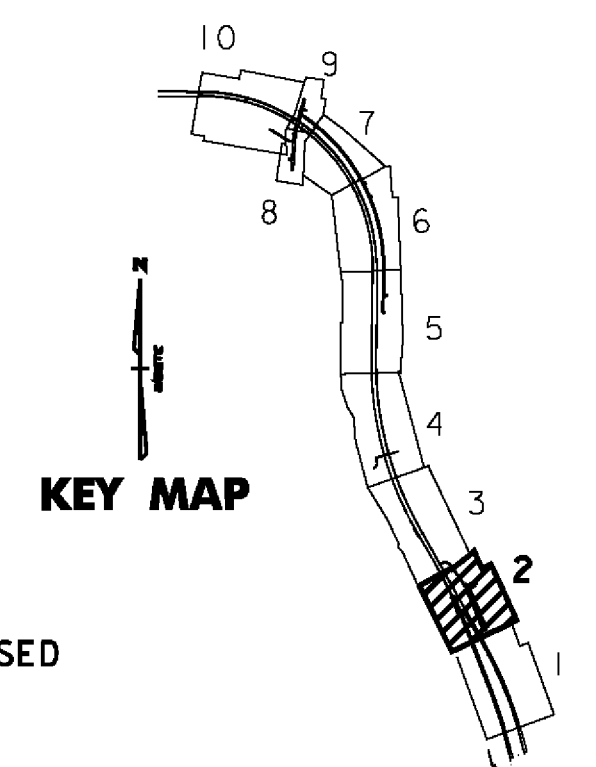
- ~~JUNCTION BOX NOT USED~~
- ~~STA. NB 6+569.772, 19.5m LT.~~
- ~~STA. NB 6+569.871, 4.7m LT.~~
- 6+502.42m RT WOVEN WIRE FENCE WITH STEEL POSTS 6m RT
- STA. NB 6+490.000, 75.7m RT. - STA. NB 6+640.306, 109.5m RT.
- STA. NB 6+490.000, 77.1m LT. - STA. NB 6+740.000, 63.7m LT.
- STA. VR 1+091.043, 17.4m RT. - STA. VR 1+120.000, 34.8m RT.
- PROJECT DEMARCATION FENCE**
- STA. NB 6+490.000, 41.9m RT. - STA. CV 5+135.123, 35.5m RT.
- STA. NB 6+639.617, 89.6m RT. - STA. NB 6+740.000, 69.2m RT.
- STA. NB 6+490.000, 75.6m LT. - STA. NB 6+630.526, 73.0m LT.
- STA. NB 6+628.718, 74.6m LT. - STA. NB 6+645.685, 60.0m LT.
- STA. NB 6+715.587, 30.5m LT. - STA. NB 6+740.000, 34.7m LT.
- BARRIER FENCE**
- STA. NB 6+645.685, 60.0m LT. - STA. NB 6+715.587, 30.5m LT.
- ~~NOT USED ADDED TO CONTRACT 51~~
- ~~ELECTRICAL CONDUIT SLEEVE (200 MM) (PVC) (SCH 80)~~
- ~~STA. NB 6+569.601, 4.2m LT.~~
- ~~STA. NB 6+570.291, 19.8m LT.~~
- ~~STA. NB 6+569.871, 4.7m LT.~~
- ~~STA. NB 6+576.443, 4.7m LT.~~
- REMOVAL OF EXISTING FENCE**
- STA. CV 5+148.457, LT. - STA. VR 1+074.788, LT.
- STA. CV 5+148.457, RT. - STA. VR 1+074.788, RT.
- STA. VB 1+125.694, 12.0 m LT. - STA. VR 1+077.331, 19.6 m LT.
- GATE FOR CHAIN-LINK FENCE, 1.8m**
- STA. VR 1+014.864, 2.5m RT. - STA. VR 1+015.124, 2.5m LT.
- CHAIN-LINK FENCE, 1.8m**
- STA. VB 1+120.447, 12.6m RT. - STA. VB 1+101.876, 19.8m RT.
- STA. VB 1+096.478, 19.2m RT. - STA. VR 1+015.124, 2.5m LT.
- STA. VR 1+014.864, 2.5m RT. - STA. VR 1+095.690, 11.2m RT.
- STA. VR 1+039.598, 38.4m LT. - STA. VR 1+127.560, 20.7m RT.
- STA. VB 1+127.560, 20.7m LT. - STA. VB 1+120.509, 12.8m RT.
- SPECIAL PROVISION (DECOMMISSION WATER WELL)**
- STA. NB 6+586.812, 5.6 m RT.
- SPECIAL PROVISION (GABION RETAINING WALL)**
- STA. VB 1+092.844, 14.9m RT. - STA. VB 1+100.366, 12.3m LT.
- STEEL BEAM GUARDRAIL**
- ~~CEGAR LOG RAIL NOT USED~~
- STA. CV 5+130.745, 2.000m LT. - STA. VR 1+120.000, 2.000m LT.
- SPECIAL PROVISION (DECOMMISSION OBSERVATION WELL)**
- STA. NB 6+649.000, 47.0 m RT. (B-25)
- STA. NB 6+672.000, 19.0 m RT. (B-26) NOT DONE

MATCH LINE
STA. NB 6+490.1
SEE SHEET P-01

MATCH LINE
STA. NB 6+740.3
SEE SHEET P-03

MATCH LINE
STA. VR 1+201
SEE SHEET P-01

TYPE II STONE COVERED BY GRUBBINGS

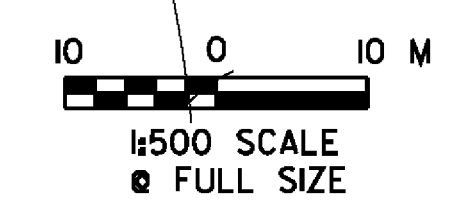


NOTE:
TREE CLEARING SHALL BE KEPT TO A MINIMUM FOR WORK PROPOSED AT THE VETERANS RESERVOIR.

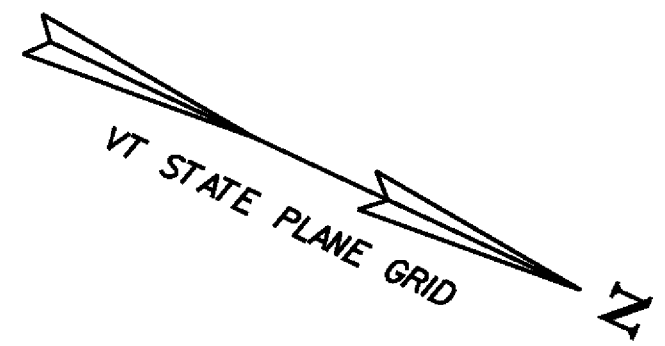
VERMONT AGENCY OF TRANSPORTATION



PROJECT NAME: BENNINGTON
 PROJECT NUMBER: AC NH 019-1(52)
 FILE NAME: ...\plot_files\zd307c2p02.pff PLOT DATE: 5/16/2011
 DESIGN SUPERVISOR: GREG EDWARDS DRAWN BY: STANTEC
 DESIGNED BY: MARC FOISY CHECKED BY: GARY SANTY
GENERAL PLAN P-02 SHEET 72 OF 267



V:\953\active\9530002\transportation\drawing\contract\2\plot_files\zd307c2p02.pff



WOVEN WIRE FENCE WITH STEEL POSTS
 STA. NB 6+740.000, 63.7m LT. - STA. NB 7+090.000, 59.8m LT.
 STA. NB 6+740.000, 70.7m RT. - STA. NB 7+090.000, 37.2m RT.

PROJECT DEMARCATION FENCE
 STA. NB 6+989.000, 72.7m RT. - STA. NB 7+088.000, 51.7m RT.
 STA. NB 6+740.000, 36.7m LT. - STA. NB 7+090.000, 29.2m LT.
 STA. NB 6+740.000, 69.6m RT. - STA. NB 7+090.000, 35.5m RT.

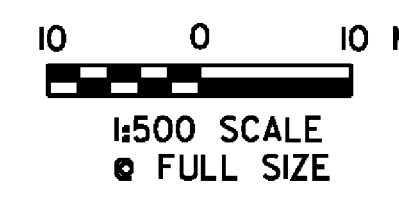
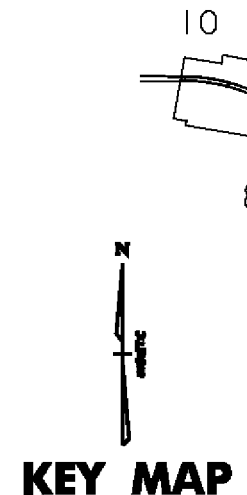
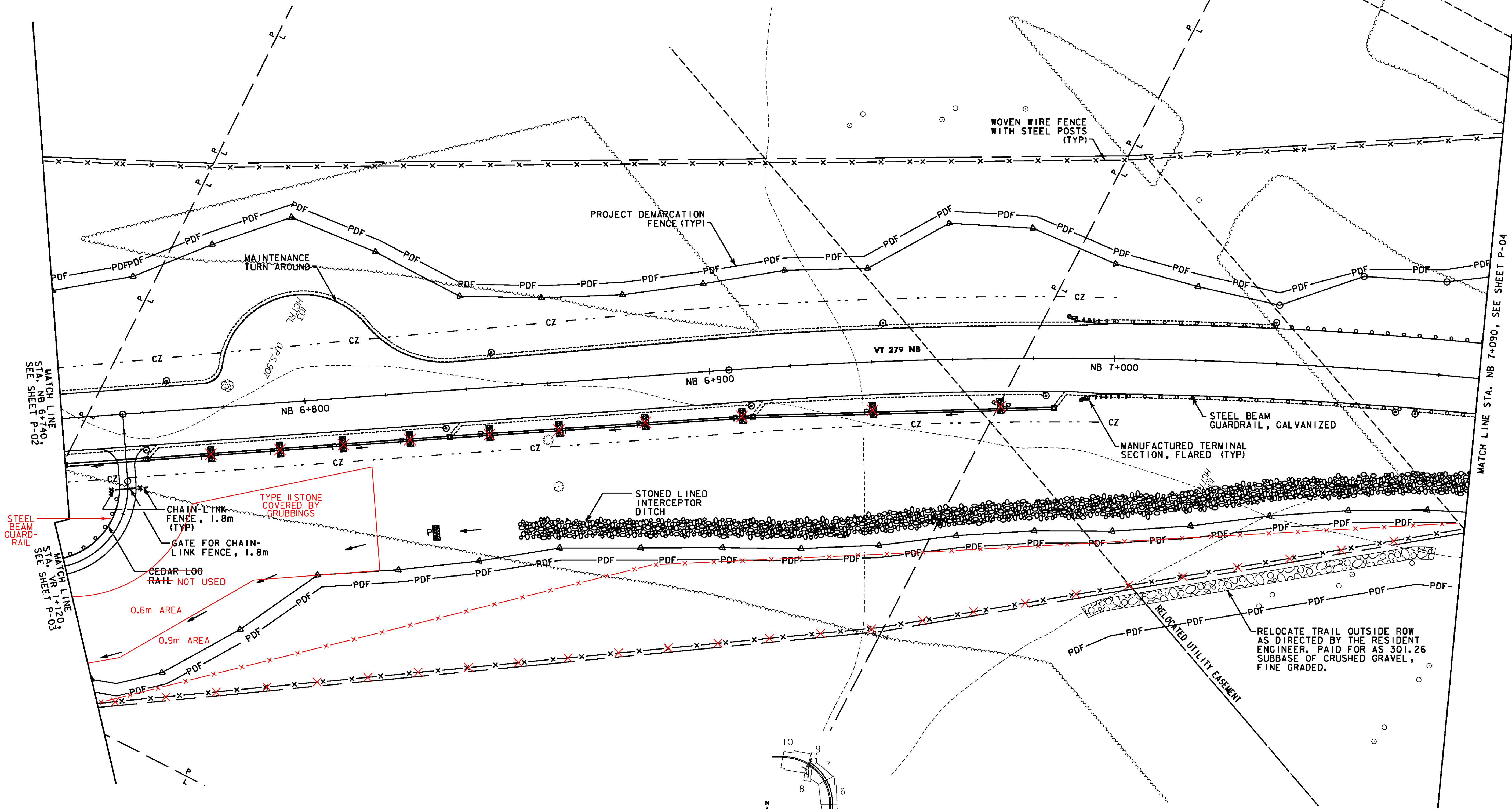
MANUFACTURED TERMINAL SECTION, FLARED
 STA. NB 7+000.000, 8.7m LT.
 STA. NB 7+003.249, 8.7m RT.

GATE FOR CHAIN-LINK FENCE, 1.8m
 STA. VR 1+146.442, 2.5m LT. TO 2.5m RT.

008 STEEL BEAM GUARDRAIL, GALVANIZED
 STA. NB 7+000.000, 8.7m LT. - STA. NB 7+090.000, 8.7m LT.
 STA. NB 7+003.249, 8.7m RT. - STA. NB 7+090.000, 8.7m RT.

CHAIN-LINK FENCE, 1.8m
 STA. VR 1+146.442, 2.5m LT. TO 5.0m LT.
 STA. VR 1+146.442, 2.5m RT. TO 5.0m RT.

CEGAR LOG RAIL NOT USED
 STA. VR 1+120.000, 2.0m LT. - STA. VR 1+145.820, 2.0m RT.
STEEL BEAM GUARDRAIL



VERMONT AGENCY OF TRANSPORTATION



PROJECT NAME: BENNINGTON
 PROJECT NUMBER: AC NH 019-1(52)
 FILE NAME: ...\plot_files\zd307c2p03.prf
 DESIGN SUPERVISOR: GREG EDWARDS
 DESIGNED BY: MARC FOISY
GENERAL PLAN P-03
 PLOT DATE: 5/16/2011
 DRAWN BY: STANTEC
 CHECKED BY: GARY SANTY
 SHEET 73 OF 267

V:\1953\active\19530002\transportation\vdrawing\con\tr\act\2\plot_files\zd307c2p03.prf

WOVEN WIRE FENCE WITH STEEL POSTS
 STA. NB 7+090.000, 59.8m LT. - STA. NB 7+125.000, 65.0m LT.
 STA. NB 7+090.000, 37.2m RT. - STA. NB 7+096.000, 40.1m RT.
 STA. NB 7+100.384, 45.4m RT. - STA. NB 7+440.000, 28.5m RT.
 STA. NB 7+130.000, 67.1m LT. - STA. NB 7+324.990, 81.0m LT.
 STA. NB 7+332.083, 80.4m LT. - STA. NB 7+440.000, 75.6m LT.

PROJECT DEMARCATION FENCE
 STA. NB 7+090.000, 37.4m LT. - STA. NB 7+127.655, 54.9m LT.
 STA. NB 7+090.000, 35.5m RT. - STA. NB 7+162.772, 44.6m RT.
 STA. NB 7+123.030, 65.7m LT. - STA. NB 7+312.430, 98.6m LT.
 STA. NB 7+162.012, 43.1m RT. - STA. NB 7+193.912, 24.9m RT.
 STA. NB 7+237.158, 17.3m RT. - STA. NB 7+290.466, 18.8m RT.
 STA. NB 7+331.800, 107.6m LT. - STA. NB 7+440.000, 65.4m LT.
 STA. NB 7+335.177, 18.3m RT. - STA. NB 7+440.000, 27.0m RT.

BARRIER FENCE
 STA. NB 7+170.342, 62.5m RT. - STA. NB 7+218.980, 71.6m RT.
 STA. NB 7+273.888, 44.9m RT. - STA. NB 7+349.317, 58.1m RT.

7+18 BITUMINOUS CONCRETE CURB, TYPE A
 STA. NB 7+120.284, RT. - STA. NB 7+440.000, RT.
 STA. NB 7+399.000, LT. - STA. NB 7+440.000, LT.

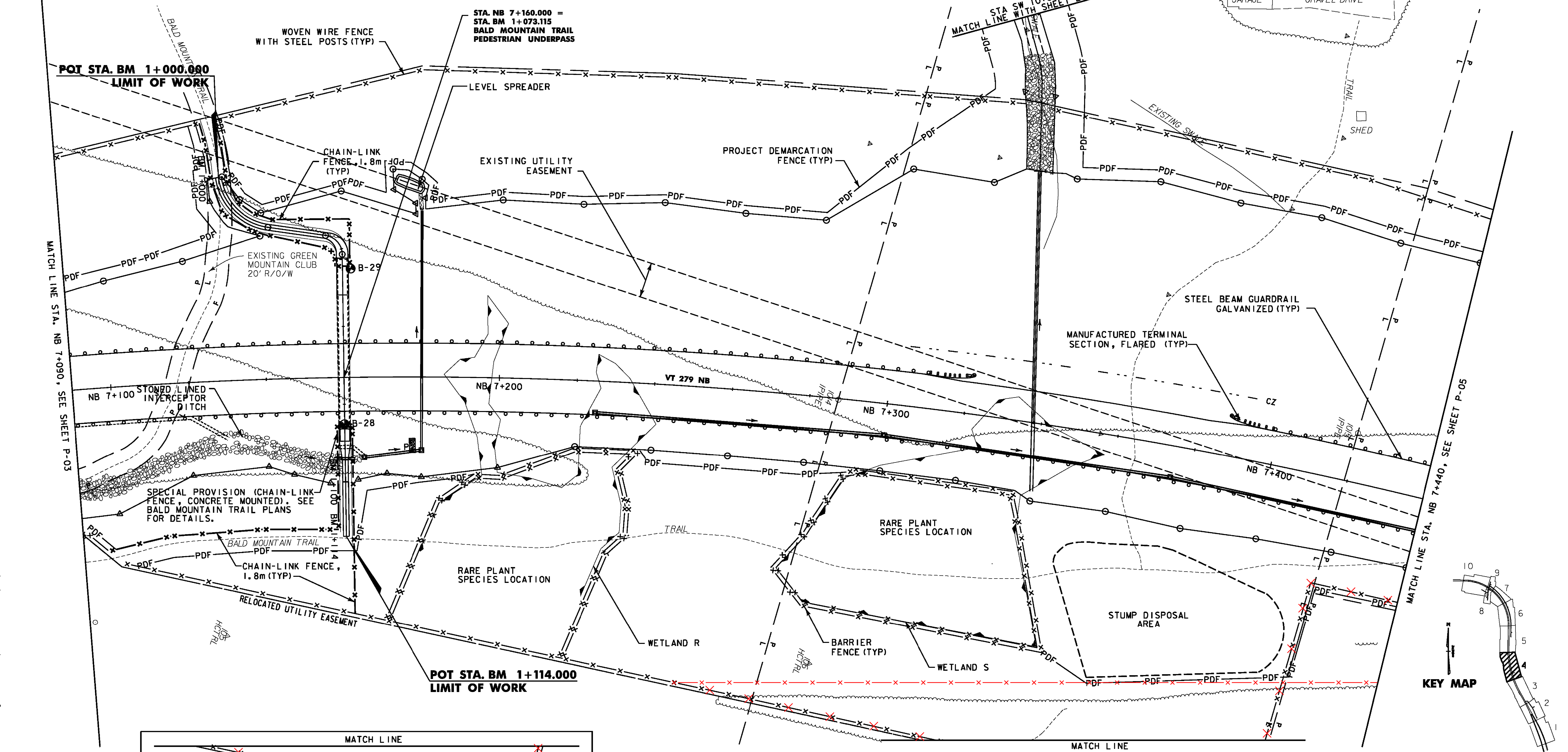
STEEL BEAM GUARDRAIL, GALVANIZED
 STA. NB 7+090.000, 8.7m LT. - STA. NB 7+309.981, 8.7m LT.
 STA. NB 7+090.000, 8.7m RT. - STA. NB 7+440.000, 8.7m RT.
 STA. NB 7+398.951, 8.7m LT. - STA. NB 7+440.000, 8.7m LT.

MANUFACTURED TERMINAL SECTION, FLARED
 STA. NB 7+309.981, 8.7m LT.
 STA. NB 7+398.951, 8.7m LT.

STONE FILL, TYPE II
 STA. NB 7+140.000, RT. - STA. NB 7+360.000, RT. (FOR SLOPE STABILIZATION)

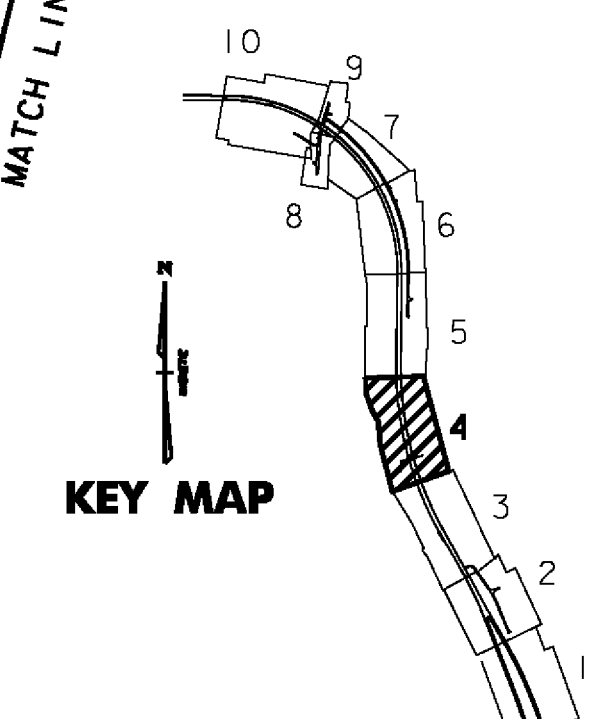
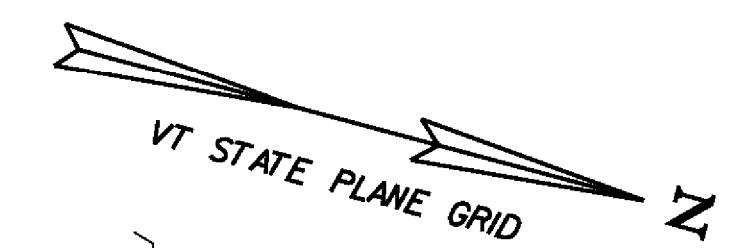
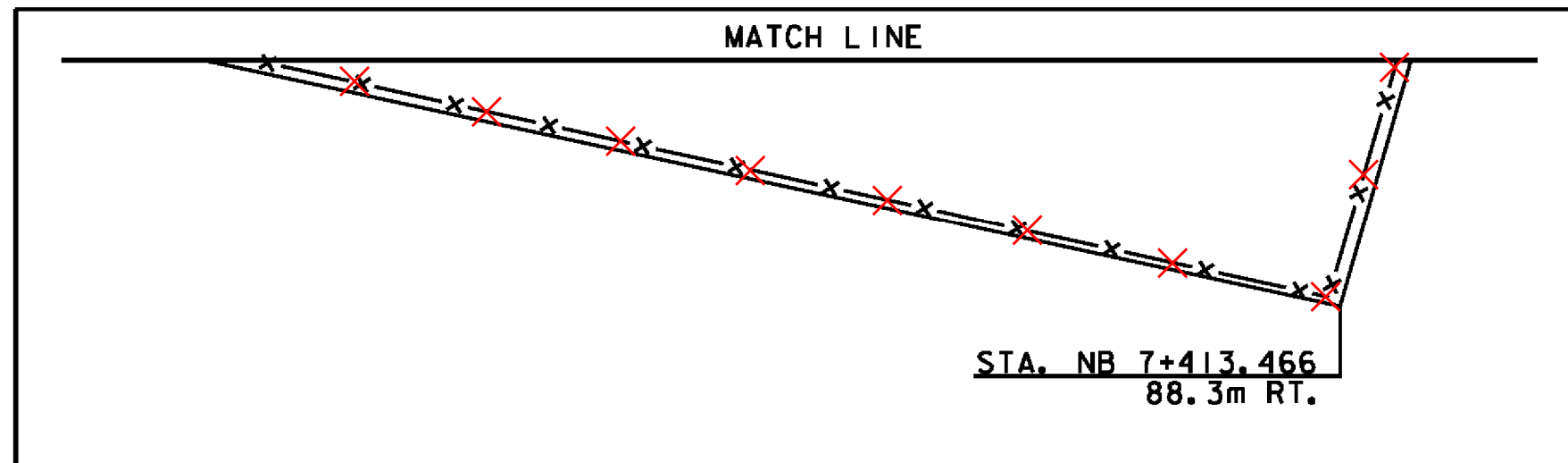
GRUBBING MATERIAL
 STA. NB 7+140.000, RT. - STA. NB 7+360.000, RT. (FOR SLOPE STABILIZATION)

CHAIN-LINK FENCE, 1.8m
 STA. NB 7+096.467, 42.0m RT. - STA. NB 7+158.023, 13.6m RT.
 STA. NB 7+100.138, 45.4m RT. - STA. NB 7+161.972, 13.6m RT.
 STA. NB 7+125.785, 66.4m LT. - STA. NB 7+158.139, 28.6m LT.
 STA. NB 7+129.495, 67.2m LT. - STA. NB 7+161.868, 28.6m LT.



POT STA. BM 1+000.090
LIMIT OF WORK

POT STA. BM 1+114.000
LIMIT OF WORK

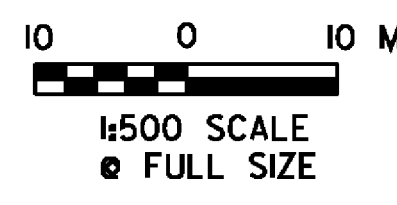


VERMONT AGENCY OF TRANSPORTATION



PROJECT NAME: BENNINGTON
 PROJECT NUMBER: AC NH 019-1(52)
 FILE NAME: ...plot.files\zd307c2p04.pff
 DESIGN SUPERVISOR: GREG EDWARDS
 DESIGNED BY: MARC FOISY
 GENERAL PLAN P-04

PLOT DATE: 5/16/2011
 DRAWN BY: STANTEC
 CHECKED BY: GARY SANTY
 SHEET 74 OF 267



V:\953\active\9530002\transportation\vdrawing\conform.ctb - 2:10:11 - files\zd307c2p04.pff

WOVEN WIRE FENCE WITH STEEL POSTS
 STA. NB 7+440.000, 75.6m LT. - STA. NB 7+780.000, 54.0m LT.
 STA. NB 7+440.000, 28.5m RT. - STA. NB 7+599.345, 26.8m RT.

CONSTRUCT DRIVE
 STA. QR 1+042.037, RT. (GRAVEL)
 STA. QR 1+100.000, RT. (GRAVEL)

BITUMINOUS CONCRETE CURB, TYPE A⁶¹⁰
 STA. NB 7+440.000, 8.7m RT. - STA. NB 7+612.803, 8.7m RT.
 STA. NB 7+440.000, 8.7m LT. - STA. NB 7+600.000, 8.7m LT.

STEEL BEAM GUARDRAIL, GALVANIZED
 STA. NB 7+440.000, 8.7m RT. - STA. NB 7+612.848, 8.7m RT.
 STA. NB 7+440.000, 8.7m LT. - STA. NB 7+780.000, 8.7m LT.

MANUFACTURED TERMINAL SECTION, FLARED
 STA. NB 7+612.848, 8.7m RT.
 STA. NB 7+588.000, 8.7m LT.

PROJECT DEMARCATION FENCE
 STA. NB 7+440.000, 65.4m LT. - STA. NB 7+497.130, 71.0m LT.
 STA. NB 7+526.776, 17.5m RT. - STA. NB 7+628.774, 31.7m RT.
 STA. NB 7+569.289, 54.4m LT. - STA. NB 7+780.000, 52.4m LT.
 STA. QR 1+042.037, 5.4m RT. - STA. QR 1+094.679, 16.9m RT.
 STA. QR 1+103.667, 16.9m RT. - STA. QR 1+190.000, 18.5m RT.

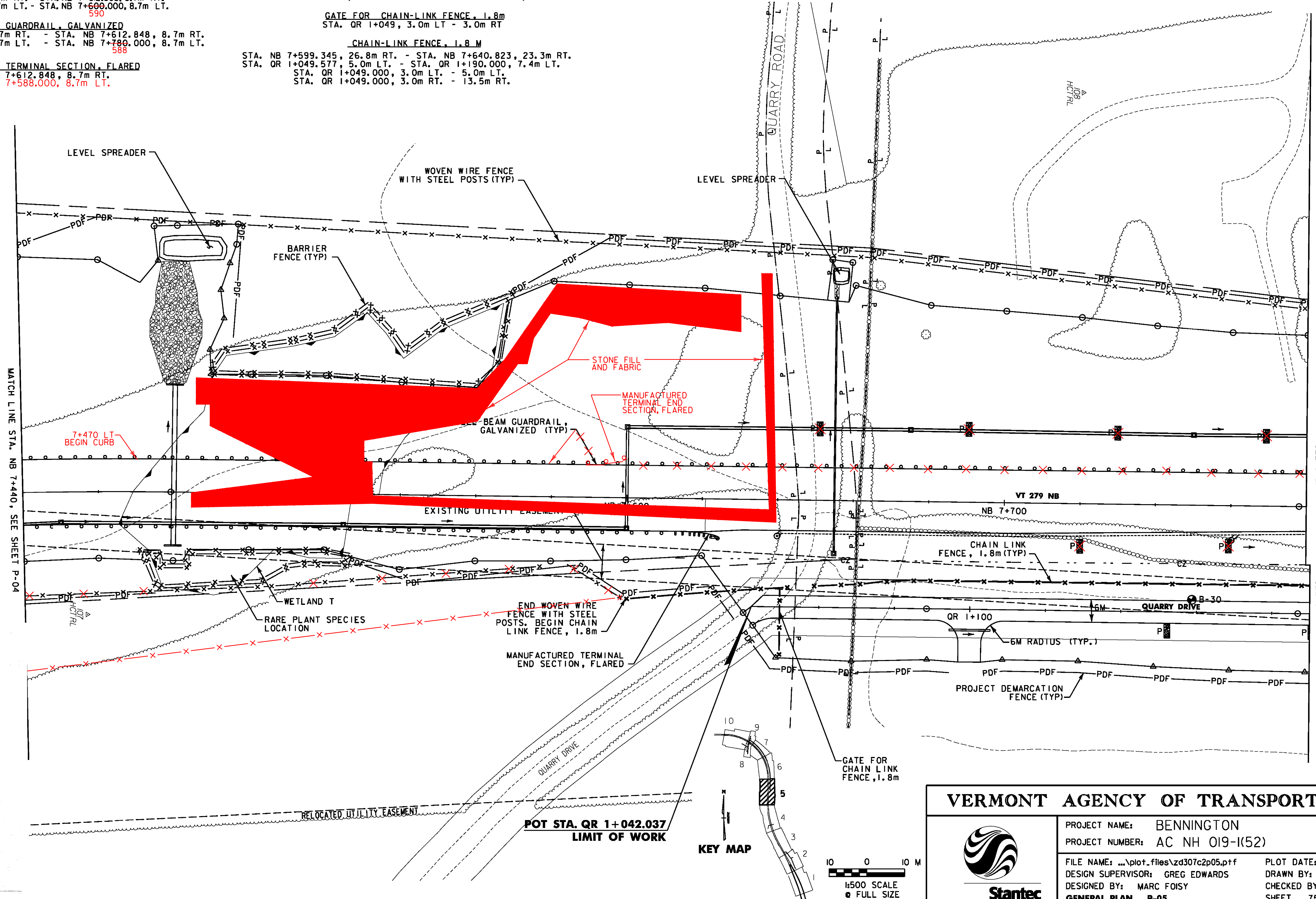
BARRIER FENCE
 STA. NB 7+470.131, 15.3m RT. - STA. NB 7+527.031, 15.7m RT.
 STA. NB 7+489.470, 31.3m LT. - STA. NB 7+569.289, 54.4m LT.

GATE FOR CHAIN-LINK FENCE, 1.8m
 STA. QR 1+049, 3.0m LT - 3.0m RT

CHAIN-LINK FENCE, 1.8m
 STA. NB 7+599.345, 26.8m RT. - STA. NB 7+640.823, 23.3m RT.
 STA. QR 1+049.577, 5.0m LT. - STA. QR 1+190.000, 7.4m LT.
 STA. QR 1+049.000, 3.0m LT. - 5.0m LT.
 STA. QR 1+049.000, 3.0m RT. - 13.5m RT.

STONE FILL, TYPE II
 STA. NB 7+460.000, 15.0m RT. - STA. NB 7+525.000, 15.2m RT. (FOR SLOPE STABILIZATION)

GRUBBING MATERIAL
 STA. NB 7+460.000, 15.0m RT. - STA. NB 7+525.000, 15.2m RT. (FOR SLOPE STABILIZATION)



MATCH LINE STA. NB 7+440, SEE SHEET P-04

MATCH LINE STA. NB 7+780, SEE SHEET P-05

MATCH LINE STA. QR 1+190, SEE SHEET P-06

Drawn on Final Plans - Large Set

Calculation Book Number: _____ Calculation Sheet Number: 01/16/2

Project: Bennington AC NH 019-1(52)

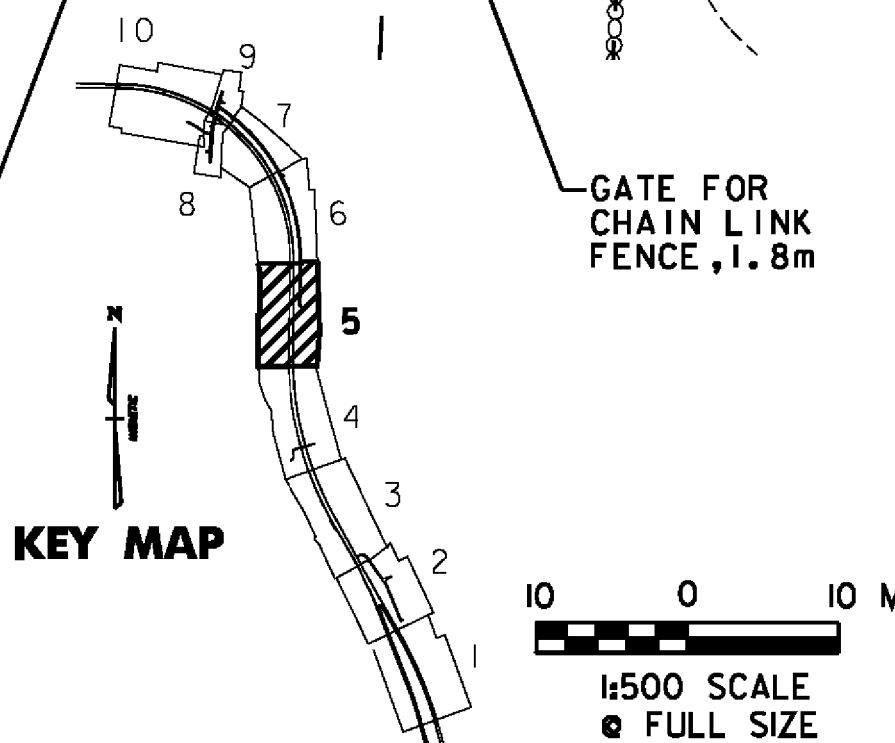
Line Item: _____ Page Number: _____ of _____

Item: _____ Field Measured by: _____

Location: NB 7+440 - 7+780

Station	Area	Stone Fill #	Chain Link	Other
7+440				
7+445	24.5			
7+450	24.5			
7+455	24.5			
7+460	24.5			
7+465	24.5			
7+470	24.5			
7+475	24.5			
7+480	24.5			
7+485	24.5			
7+490	24.5			
7+495	24.5			
7+500	24.5			
7+505	24.5			
7+510	24.5			
7+515	24.5			
7+520	24.5			
7+525	24.5			
7+530	24.5			
7+535	24.5			
7+540	24.5			
7+545	24.5			
7+550	24.5			
7+555	24.5			
7+560	24.5			
7+565	24.5			
7+570	24.5			
7+575	24.5			
7+580	24.5			
7+585	24.5			
7+590	24.5			
7+595	24.5			
7+600	24.5			
7+605	24.5			
7+610	24.5			
7+615	24.5			
7+620	24.5			
7+625	24.5			
7+630	24.5			
7+635	24.5			
7+640	24.5			
7+645	24.5			
7+650	24.5			
7+655	24.5			
7+660	24.5			
7+665	24.5			
7+670	24.5			
7+675	24.5			
7+680	24.5			
7+685	24.5			
7+690	24.5			
7+695	24.5			
7+700	24.5			
7+705	24.5			
7+710	24.5			
7+715	24.5			
7+720	24.5			
7+725	24.5			
7+730	24.5			
7+735	24.5			
7+740	24.5			
7+745	24.5			
7+750	24.5			
7+755	24.5			
7+760	24.5			
7+765	24.5			
7+770	24.5			
7+775	24.5			
7+780	24.5			

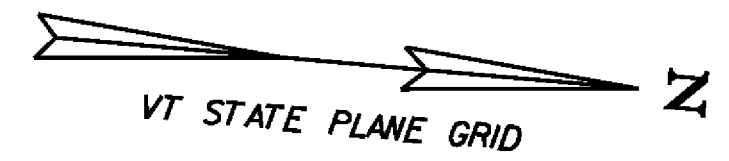
Computed by: _____ Date: _____ Checked by: _____ Date: _____



VERMONT AGENCY OF TRANSPORTATION

PROJECT NAME: BENNINGTON
 PROJECT NUMBER: AC NH 019-1(52)

FILE NAME: ...plot_files\zd307c2p05.pff PLOT DATE: 5/16/2011
 DESIGN SUPERVISOR: GREG EDWARDS DRAWN BY: STANTEC
 DESIGNED BY: MARC FOISY CHECKED BY: GARY SANTY
 GENERAL PLAN P-05 SHEET 75 OF 267



WOVEN WIRE FENCE WITH STEEL POSTS
 STA. NB 7+780.000, 54.0m LT. - STA. NB 8+090.000, 54.0m LT.

PROJECT DEMARCATION FENCE
 STA. NB 7+780.000, 52.4m LT. - STA. NB 8+090.000, 46.2m LT.
 STA. NB 8+046.000, 17.0m LT. - STA. NB 8+090.000, 46.0m LT.
 STA. NB 8+046.000, 17.0m LT. - STA. NB 8+090.000, 28.0m LT.
 STA. QR 1+190.000, 16.0m RT. - STA. QR 1+427.000, 12.0m RT.
 STA. QR 1+442.000, 12.8m RT. - STA. QR 1+475.000, 11.8m RT.
 STA. QR 1+487.000, 12.6m RT. - STA. QR 1+510.000, 12.7m RT.

REMOVAL OF EXISTING FENCE
 STA. NB 7+940.000, 40.0m RT. - STA. NB 7+970.048, 54.0m LT.

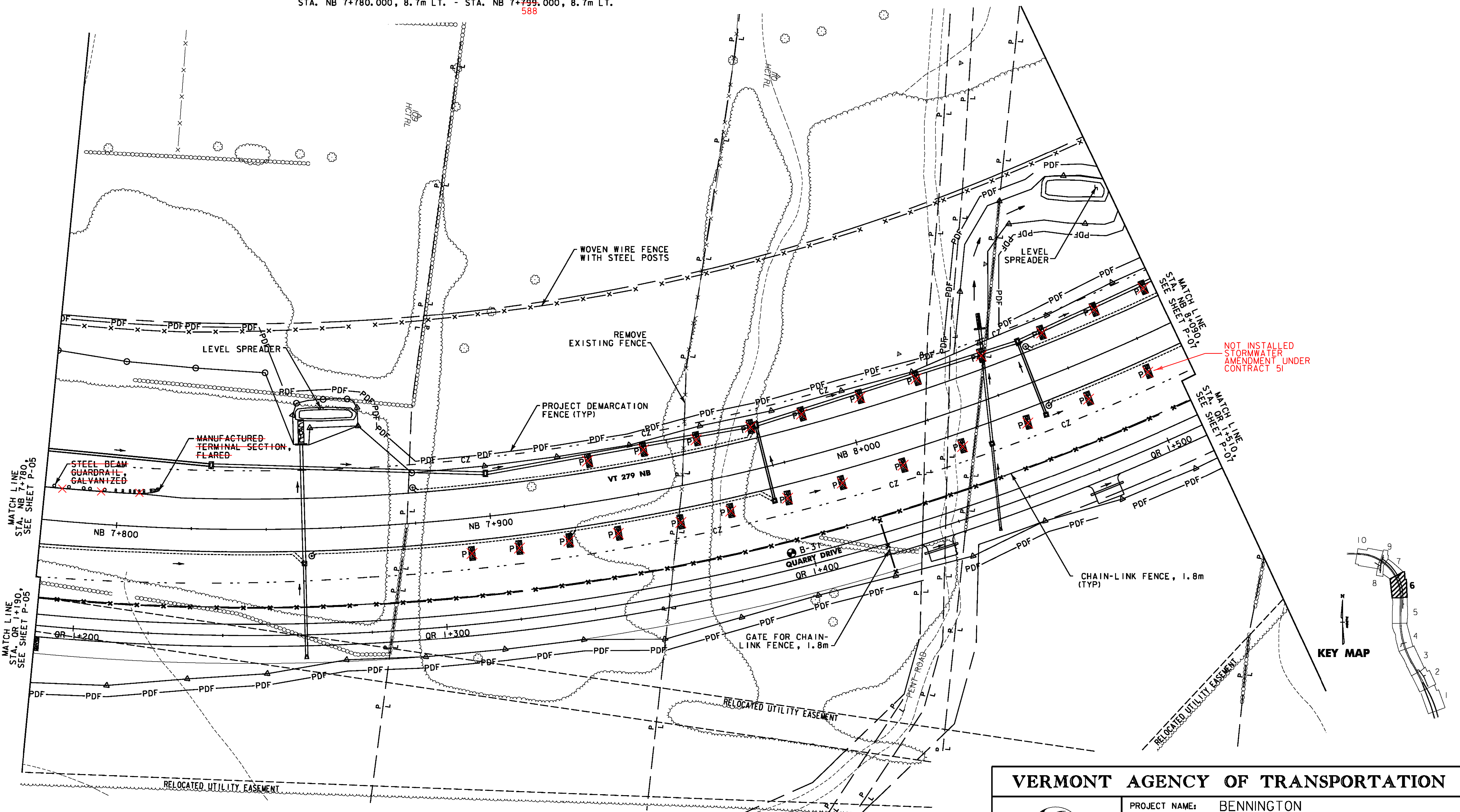
CONSTRUCT DRIVE
 STA. QR 1+433.342, RT (7.2m GRAVEL)
 STA. QR 1+480.047, RT (7.2m GRAVEL)

GATE FOR CHAIN-LINK FENCE, 1.8m
 STA. QR 1+420, 3.0m LT - 3.0m RT

MANUFACTURED TERMINAL SECTION, FLARED
 STA. NB 7+799.000, 8.7m LT.
 7+588.000

STEEL BEAM GUARDRAIL, GALVANIZED
 STA. NB 7+780.000, 8.7m LT. - STA. NB 7+799.000, 8.7m LT.
 588

CHAIN-LINK FENCE, 1.8 M
 STA. QR 1+190.000, 7.4m LT. - STA. QR 1+510.000, 7.4m LT.
 STA. QR 1+420.000, 3.0m LT. - 7.4m LT.
 STA. QR 1+420.000, 3.0m RT. - 8.9m RT.



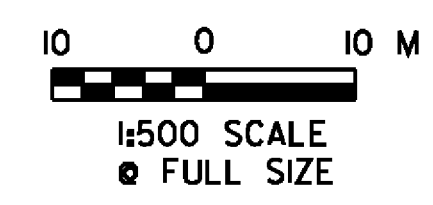
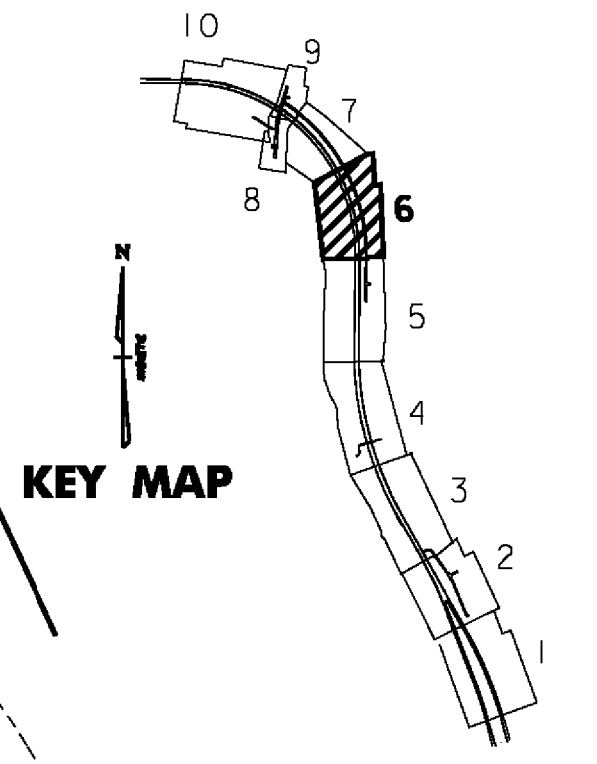
NOT INSTALLED
 STORMWATER
 AMENDMENT UNDER
 CONTRACT 51

MATCH LINE
 STA. NB 7+780,
 SEE SHEET P-05

MATCH LINE
 STA. QR 1+190,
 SEE SHEET P-05

MATCH LINE
 STA. NB 8+090.00,
 SEE SHEET P-07

MATCH LINE
 STA. QR 1+510.00,
 SEE SHEET P-07



VERMONT AGENCY OF TRANSPORTATION



PROJECT NAME:	BENNINGTON	PLOT DATE:	5/16/2011
PROJECT NUMBER:	AC NH 019-1(52)	DRAWN BY:	STANTEC
FILE NAME:	...plot_files\zd307c2p06.prf	CHECKED BY:	GARY SANTY
DESIGN SUPERVISOR:	GREG EDWARDS	SHEET	76 OF 267
DESIGNED BY:	MARC FOISY		
GENERAL PLAN	P-06		

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WOVEN WIRE FENCE WITH STEEL POSTS
 STA. NB 8+090.000, 54.0m LT. - STA. NB 8+305.480, 53.4m LT.

PROJECT DEMARCATION FENCE
 STA. NB 8+090.000, 19.0m LT. - STA. NB 8+247.000, 114.0m LT.
 STA. QR 1+510.000, 12.7m RT. - STA. QR 1+745.000, 15.1m RT.

CHAIN-LINK FENCE, 1.8 M
 STA. QR 1+510.000, 7.4m LT. - STA. QR 1+750.000, 7.4m LT.

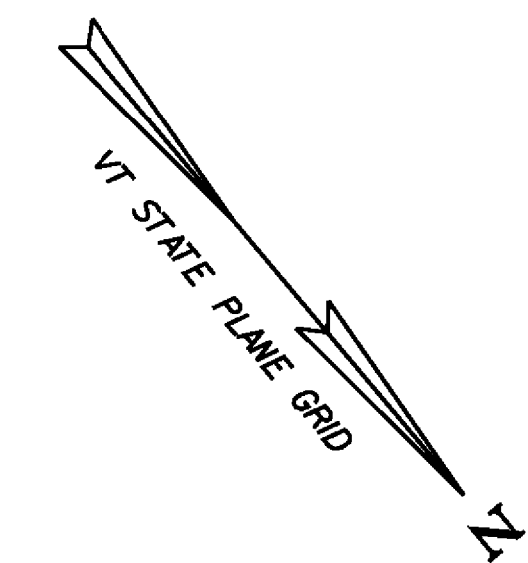
BITUMINOUS CONCRETE CURB, TYPE A
 STA. NB 8+201.015, 8.7m LT. - STA. NB 8+307.394, 8.7m LT.
 220.000 310

MANUFACTURED TERMINAL SECTION, FLARED
 STA. NB 8+135.029, 6.6m RT.
 STA. NB 8+197.169, 8.7m LT.
 218.000

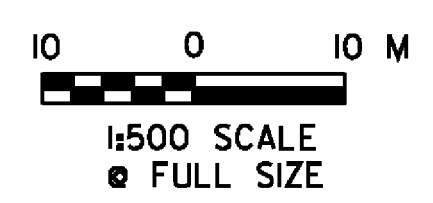
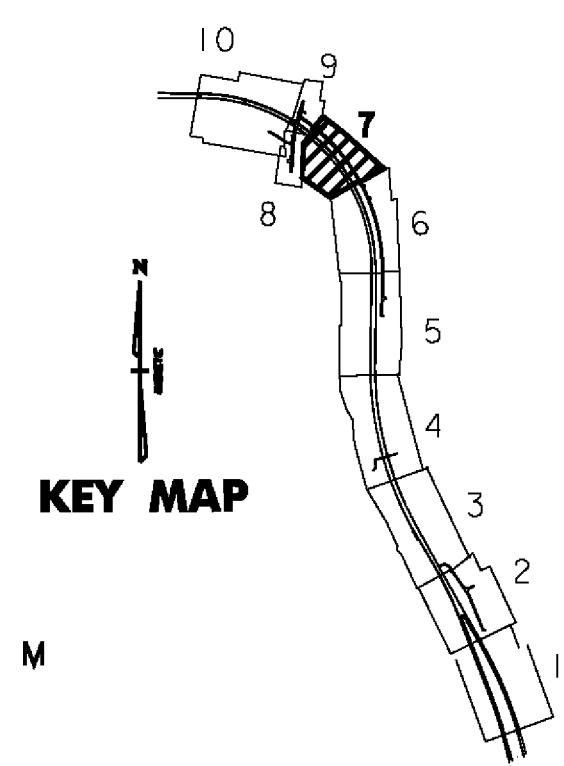
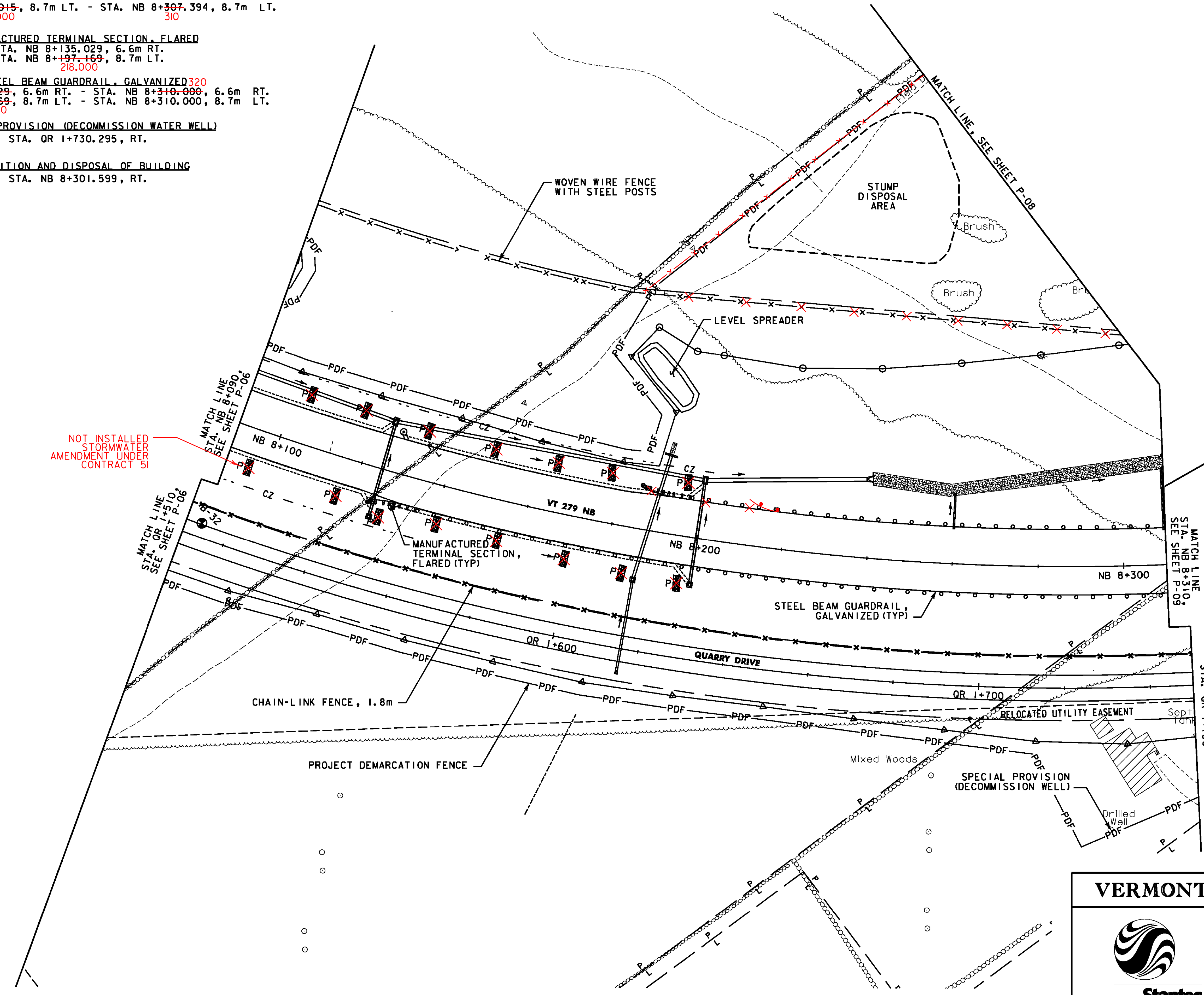
136 STEEL BEAM GUARDRAIL, GALVANIZED 320
 STA. NB 8+135.029, 6.6m RT. - STA. NB 8+310.000, 6.6m RT.
 STA. NB 8+197.169, 8.7m LT. - STA. NB 8+310.000, 8.7m LT.
 218.000

SPECIAL PROVISION (DECOMMISSION WATER WELL)
 STA. QR 1+730.295, RT.

DEMOLITION AND DISPOSAL OF BUILDING
 STA. NB 8+301.599, RT.



NOT INSTALLED
 STORMWATER
 AMENDMENT UNDER
 CONTRACT 51



VERMONT AGENCY OF TRANSPORTATION



PROJECT NAME:	BENNINGTON
PROJECT NUMBER:	AC NH 019-1(52)
FILE NAME:	...plot.files\zd307c2p07.ptf
DESIGN SUPERVISOR:	GREG EDWARDS
DESIGNED BY:	MARC FOISY
GENERAL PLAN	P-07
PLOT DATE:	5/16/2011
DRAWN BY:	STANTEC
CHECKED BY:	GARY SANTY
SHEET	77 OF 267

V:\1953\active\19530002\transportation\dr\working\contract_2\plot_files\zd307c2p07a.ptf

DRIVE GATE FOR WOVEN WIRE FENCE
 STA. DR 1+012.033, 2.5m LT. - 2.5m RT.

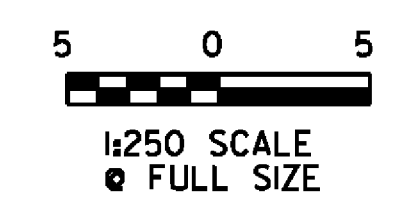
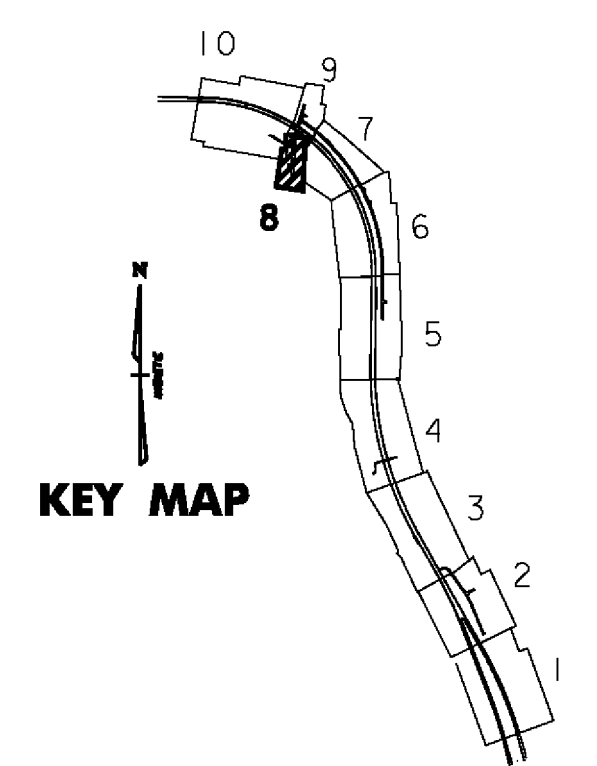
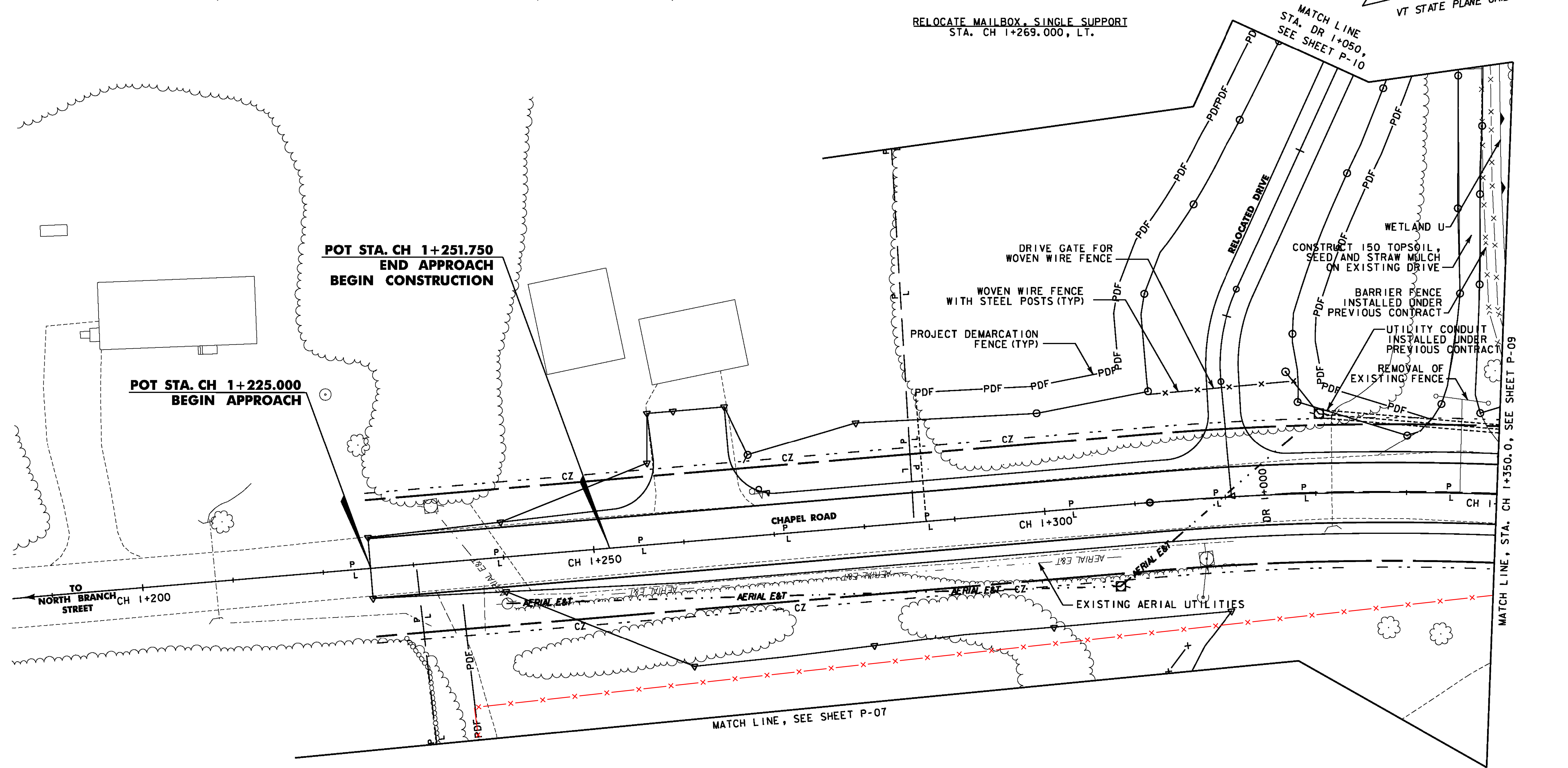
WOVEN WIRE FENCE WITH STEEL POSTS
 STA. DR 1+012.033, 2.5m LT. - 8.2m LT.
 STA. DR 1+012.033, 2.5m RT. - 8.5m RT.

CONSTRUCT DRIVE
 STA. CH 1+261.410, LT. (8.4 m GRAVEL)
 STA. DR 1+004.466 - STA. DR 1+050.000 (3.6 m GRAVEL)

REMOVAL OF EXISTING FENCE
 STA. CH 1+343.117, LT. - CH 1+348.737, LT.

PROJECT DEMARCATION FENCE
 STA. CH 1+236.000, 6.0m RT. - STA. CH 1+238.000, 19.5m RT.
 STA. CH 1+285.000, 14.3m LT. - STA. CH 1+310.000, 14.9m LT.
 STA. CH 1+330.845, 11.9m LT. - STA. CH 1+342.670, 8.1m LT.
 STA. DR 1+011.346, RT. - STA. DR 1+050.000, RT.
 STA. DR 1+014.307, LT. - STA. DR 1+050.000, LT.

RELOCATE MAILBOX, SINGLE SUPPORT
 STA. CH 1+269.000, LT.



VERMONT AGENCY OF TRANSPORTATION	
	PROJECT NAME: BENNINGTON
	PROJECT NUMBER: AC NH 019-1(52)
FILE NAME: ...\plot.files\zd307c2p08.pff	PLOT DATE: 5/16/2011
DESIGN SUPERVISOR: GREG EDWARDS	DRAWN BY: STANTEC
DESIGNED BY: MARC FOISY	CHECKED BY: GARY SANTY
GENERAL PLAN P-08	SHEET 78 OF 267

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CONSTRUCT DRIVE
STA. CH 1+430.563, RT. (4.4 m GRAVEL)

BARRIER FENCE
STA. CH 1+420.000 - CH 1+470.000, LT.

STEEL BEAM GUARDRAIL, GALVANIZED
STA. NB 8+310.000, 8.7m LT. - STA. NB 8+310.790, 8.7m LT.
STA. NB 8+310.000, 6.6m RT. - STA. NB 8+316.790, 6.6m RT.
STA. NB 8+377.340, 8.7m LT. - STA. NB 8+390.000, 8.7m LT.
STA. NB 8+383.110, 6.6m RT. - STA. NB 8+390.000, 6.6m RT.

PROJECT DEMARCATION FENCE
STA. QR 1+750.000, 12.9m RT. - STA. QR 1+782.687, 19.6m RT.

SPECIAL PROVISION (REMOVE AND STOCKPILE STONE WALL)
STA. CH 1+435.7, RT. - STA. CH 1+459.9, RT.

GATE FOR CHAIN-LINK FENCE, 1.8m
STA. QR 1+784.602, 3.6m LT. - STA. QR 1+786.567, 3.6m RT.

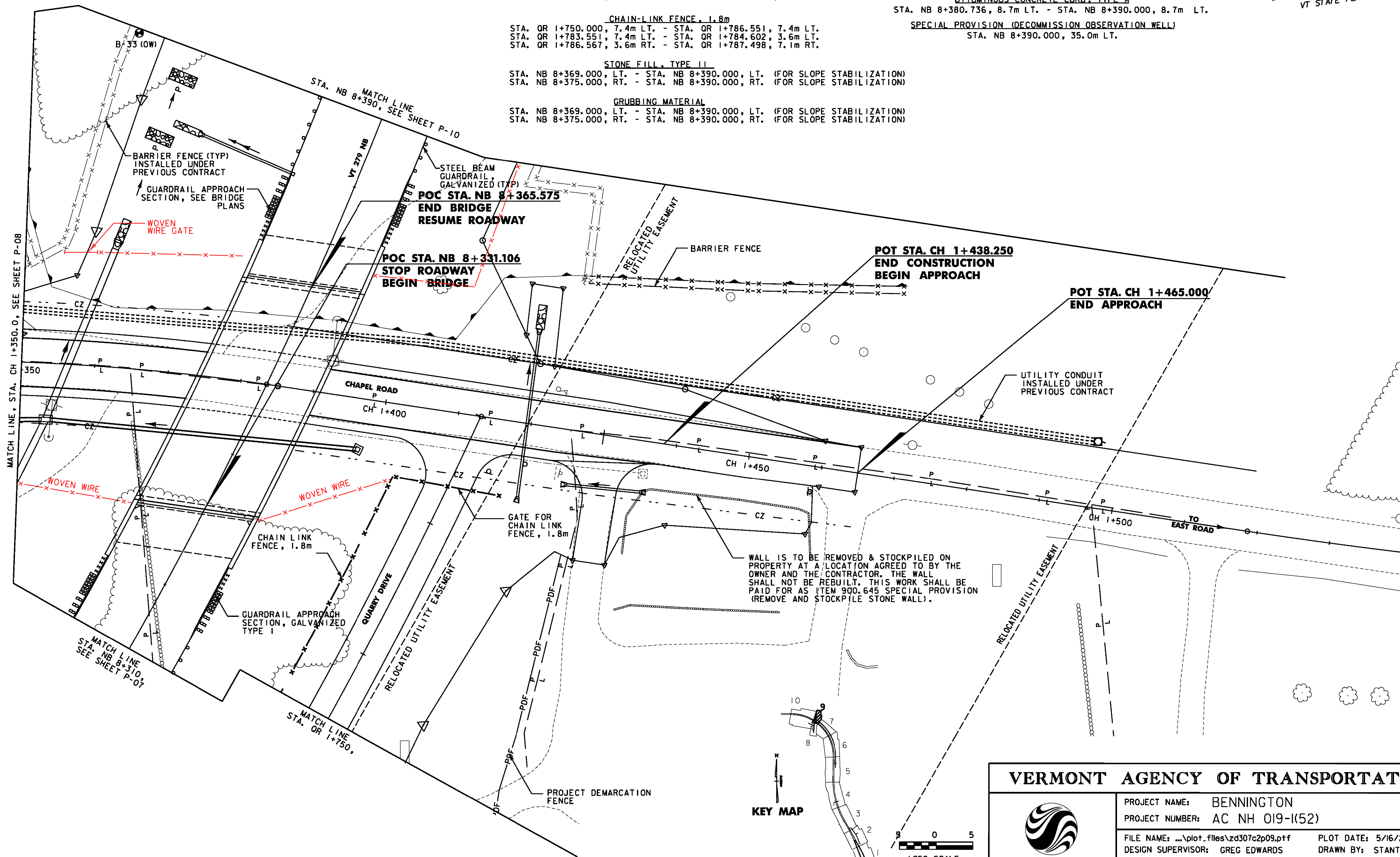
BITUMINOUS CONCRETE CURB, TYPE A
STA. NB 8+380.736, 8.7m LT. - STA. NB 8+390.000, 8.7m LT.

CHAIN-LINK FENCE, 1.8m
STA. QR 1+750.000, 7.4m LT. - STA. QR 1+786.551, 7.4m LT.
STA. QR 1+783.551, 7.4m LT. - STA. QR 1+784.602, 3.6m LT.
STA. QR 1+786.567, 3.6m RT. - STA. QR 1+787.498, 7.1m RT.

SPECIAL PROVISION (DECOMMISSION OBSERVATION WELL)
STA. NB 8+390.000, 35.0m LT.

STONE FILL, TYPE II
STA. NB 8+369.000, LT. - STA. NB 8+390.000, LT. (FOR SLOPE STABILIZATION)
STA. NB 8+375.000, RT. - STA. NB 8+390.000, RT. (FOR SLOPE STABILIZATION)

GRUBBING MATERIAL
STA. NB 8+369.000, LT. - STA. NB 8+390.000, LT. (FOR SLOPE STABILIZATION)
STA. NB 8+375.000, RT. - STA. NB 8+390.000, RT. (FOR SLOPE STABILIZATION)

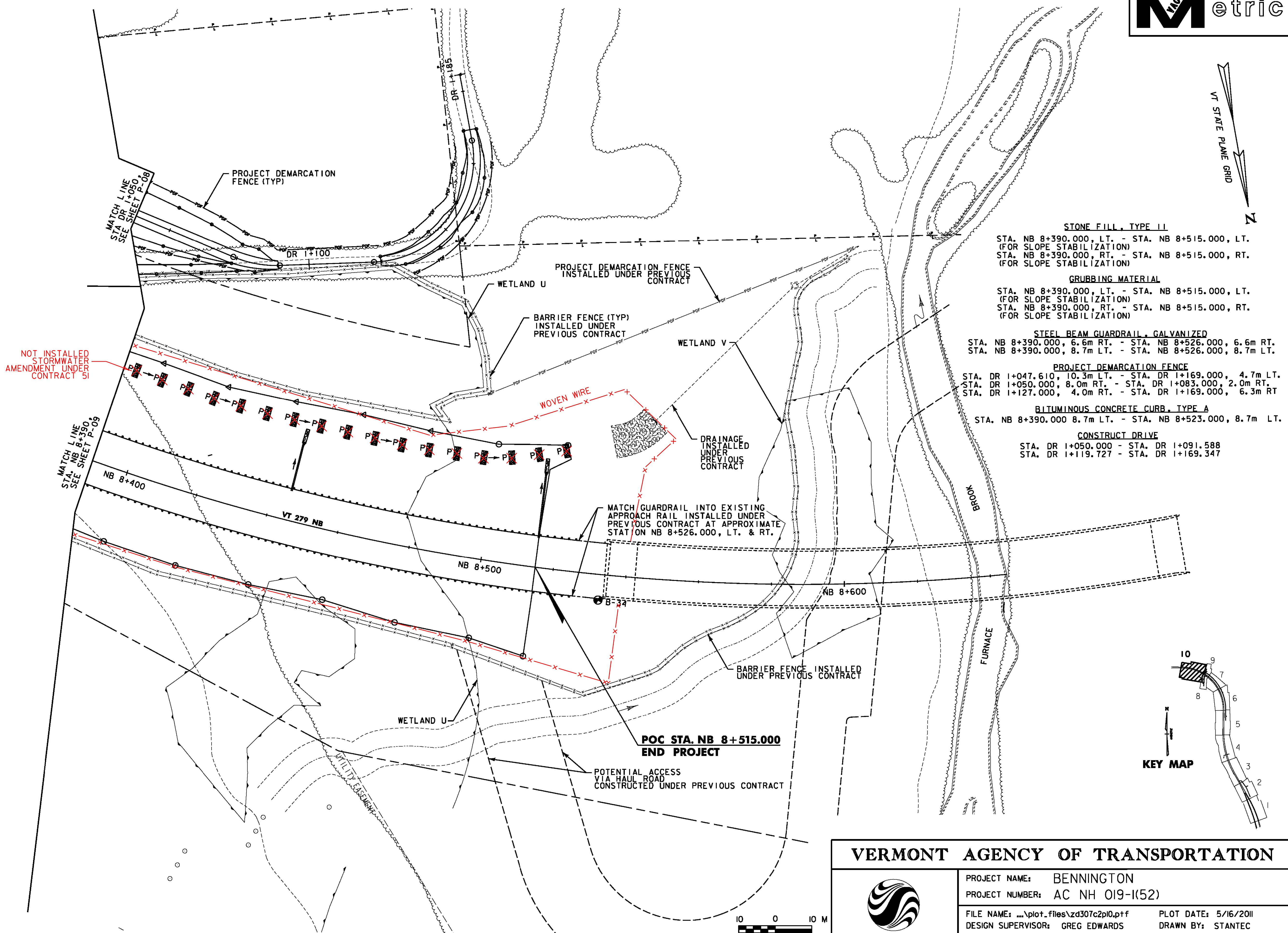
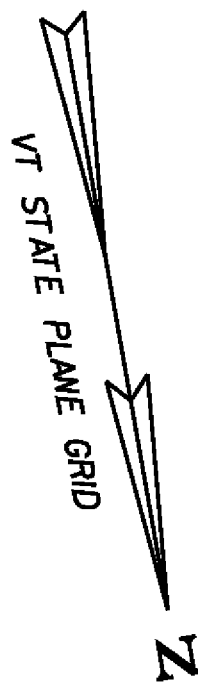


VERMONT AGENCY OF TRANSPORTATION

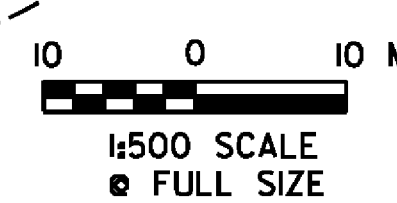
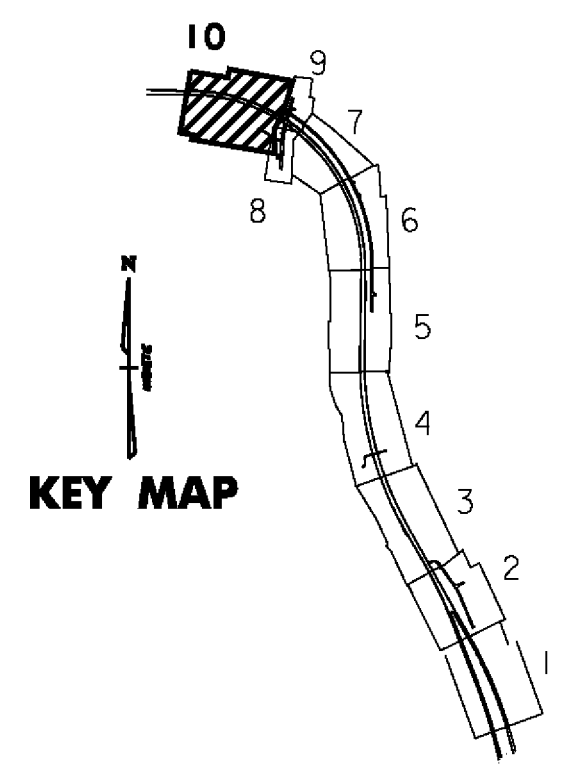


PROJECT NAME: BENNINGTON
PROJECT NUMBER: AC NH 019-(K52)
FILE NAME: ...plot-files\zd307c2p09.pff
DESIGN SUPERVISOR: GREG EDWARDS
DESIGNED BY: MARC FOISY
GENERAL PLAN P-09
PLOT DATE: 5/16/2011
DRAWN BY: STANTEC
CHECKED BY: GARY SANTY
SHEET 79 OF 267

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- STONE FILL, TYPE II**
STA. NB 8+390.000, LT. - STA. NB 8+515.000, LT. (FOR SLOPE STABILIZATION)
STA. NB 8+390.000, RT. - STA. NB 8+515.000, RT. (FOR SLOPE STABILIZATION)
- GRUBBING MATERIAL**
STA. NB 8+390.000, LT. - STA. NB 8+515.000, LT. (FOR SLOPE STABILIZATION)
STA. NB 8+390.000, RT. - STA. NB 8+515.000, RT. (FOR SLOPE STABILIZATION)
- STEEL BEAM GUARDRAIL, GALVANIZED**
STA. NB 8+390.000, 6.6m RT. - STA. NB 8+526.000, 6.6m RT.
STA. NB 8+390.000, 8.7m LT. - STA. NB 8+526.000, 8.7m LT.
- PROJECT DEMARCATION FENCE**
STA. DR I+047.610, 10.3m LT. - STA. DR I+169.000, 4.7m LT.
STA. DR I+050.000, 8.0m RT. - STA. DR I+083.000, 2.0m RT.
STA. DR I+127.000, 4.0m RT. - STA. DR I+169.000, 6.3m RT.
- BITUMINOUS CONCRETE CURB, TYPE A**
STA. NB 8+390.000 8.7m LT. - STA. NB 8+523.000, 8.7m LT.
- CONSTRUCT DRIVE**
STA. DR I+050.000 - STA. DR I+091.588
STA. DR I+119.727 - STA. DR I+169.347

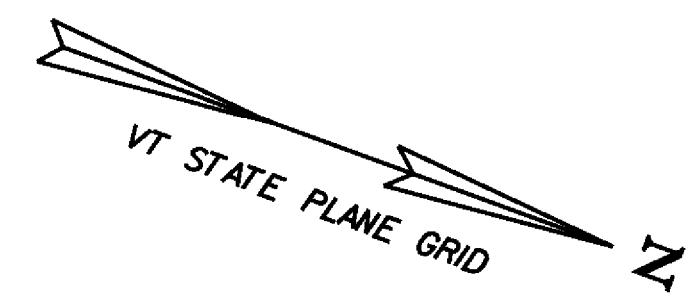


VERMONT AGENCY OF TRANSPORTATION



PROJECT NAME:	BENNINGTON	FILE NAME:	...plot.files\zd307c2p10.ptf	PLLOT DATE:	5/16/2010
PROJECT NUMBER:	AC NH 019-1(52)	DESIGN SUPERVISOR:	GREG EDWARDS	DRAWN BY:	STANTEC
		DESIGNED BY:	MARC FOISY	CHECKED BY:	GARY SANTY
		GENERAL PLAN	P-10		SHEET 80 OF 267

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NEW DRAINAGE PIPES		
PIPE #	LOCATION	COMMENTS
500	NB 6+425.2 RT - NB 6+440.0	600 X 40.2 m PIPE OPTION 2. CONST. END SECTION AND STONE FILL TYPE II AT OUTLET (SEE SWM-3 FOR DETAILS)
500A	NB 6+440.0 RT	750 X 1.95 m RISER PIPE OPTION 2. CONST. RISER BASE + CONST. ANTI-VORTEX DEVICE (SEE SWM-3 FOR DETAILS)
503	NB 6+485.0 - NB 6+595.0 RT	900 X ^{81.0} _{110.4} m PIPE OPTION 2. CONST STONE FILL TYPE I OUTLET PROTECTION

STORMWATER MANAGEMENT		
STRUCTURE #	LOCATION	COMMENTS
502	NB 6+436.3 - NB 6+485.0 RT	CONST. SEDIMENTATION BASIN # 2 (SEE SHEET SWM-2 AND SWM-3 FOR DETAILS)

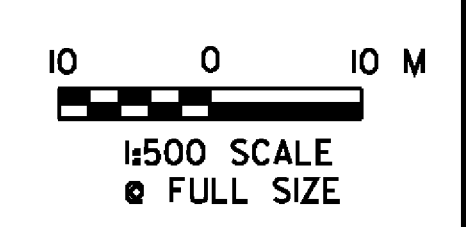
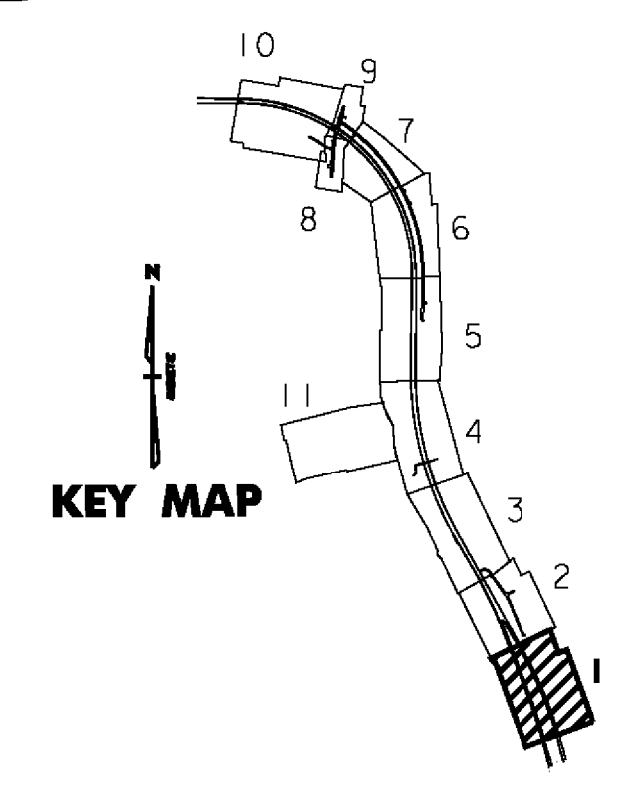
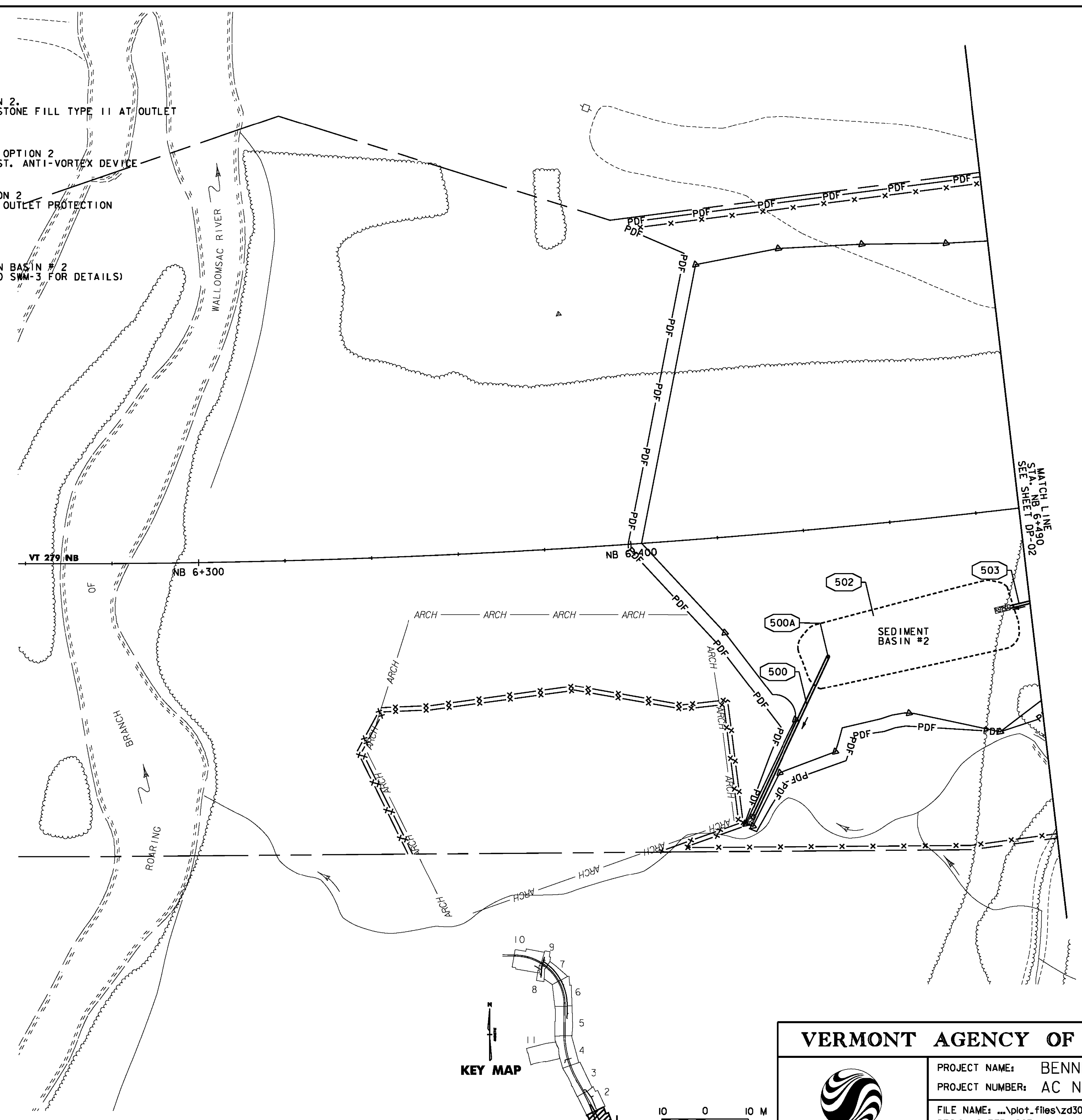
NOTES:

- SEE STORMWATER MANAGEMENT DETAILS SWM-5 FOR DIMENSIONS AND CONSTRUCTION DETAILS OF STONE OUTLET PROTECTION.
- SEE STORMWATER MANAGEMENT DETAILS SHEETS 2 AND 3 FOR SEDIMENTATION BASIN CONSTRUCTION DETAILS
- SEDIMENT BASIN # 2 TO REMAIN IN PLACE AFTER COMPLETION OF THIS PROJECT.

PROPOSED STORMDRAIN PIPES WHICH CROSS MATCHLINES ARE NOTED AND IDENTIFIED WITH A PIPE NUMBER AND LEADER ON THE FIRST SHEET WHERE THE PIPE OCCURS. FOR UNDERDRAIN, THE FLUSHING BASIN OR CLEAN-OUT PORTION OF THE NOTE OCCURS ON THE APPROPRIATE SHEET. FOR CLARITY ON SUBSEQUENT SHEETS, THE PIPE IS IDENTIFIED WITH THE PIPE NUMBER AND LEADER, BUT THE PIPE NOTE IS NOT REPEATED.

LEGEND

	STORM DRAIN (SHOWING DIRECTION OF FLOW)
	UNDERDRAIN (SHOWING DIRECTION OF FLOW)
	DROP INLET (1200 x 1200)
	DROP INLET (1200 x 1800)
	PRCCDI
	CATCH BASIN
	UNDERDRAIN FLUSHING BASIN (SEE VTRANS STANDARD D-30)
	STORM DRAIN WITH HEADWALL
	STORM DRAIN WITH END SECTION
	PERMANENT STONE CHECK DAM, TYPE I

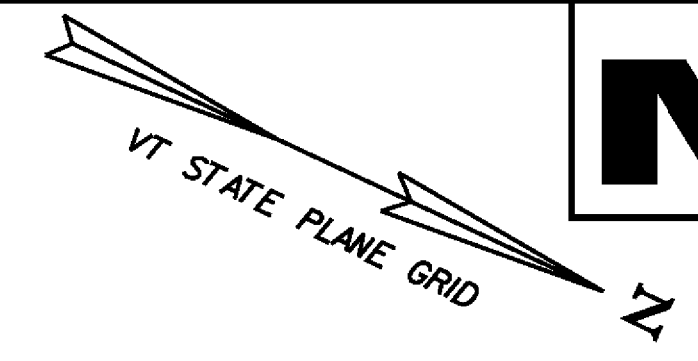


VERMONT AGENCY OF TRANSPORTATION



PROJECT NAME: BENNINGTON	PLOT DATE: 5/16/2011
PROJECT NUMBER: AC NH 019-1(52)	DRAWN BY: STANTEC
FILE NAME: ...plot.files\zd307c2dp01.pxf	CHECKED BY: GARY SANTY
DESIGN SUPERVISOR: GREG EDWARDS	SHEET 81 OF 267
DESIGNED BY: MARC FOISY	
DRAINAGE PLAN DP-01	

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STORMWATER MANAGEMENT		
STRUCTURE #	LOCATION	COMMENTS
524	NB 6+690.0 - NB 7+140.0 RT	CONST. INTERCEPTOR DITCH (SEE NOTE 1) CONST. LEVEL SPREADER AT STA. NB 6+690 (SEE SWM-1)
525	VB 1+100.0 RT	CONSTRUCT STONE FILL TYPE II AT SPILLWAY OUTLET
526	VB 1+107.0 - VB 1+114.0 LT	CONSTRUCT STONE LINED DITCH WITH STONE FILL TYPE II.

NEW DRAINAGE STRUCTURES		
STRUCTURE #	LOCATION	COMMENTS
CB503	NB 6+595.0 RT	TYPE A GRATE
D1504	NB 6+670.0 RT	TYPE A GRATE
D1505	NB 6+740.0 RT	TYPE A GRATE
D1518	NB 6+595.0 LT	TYPE A GRATE
D1519	NB 6+670.0 LT	TYPE A GRATE

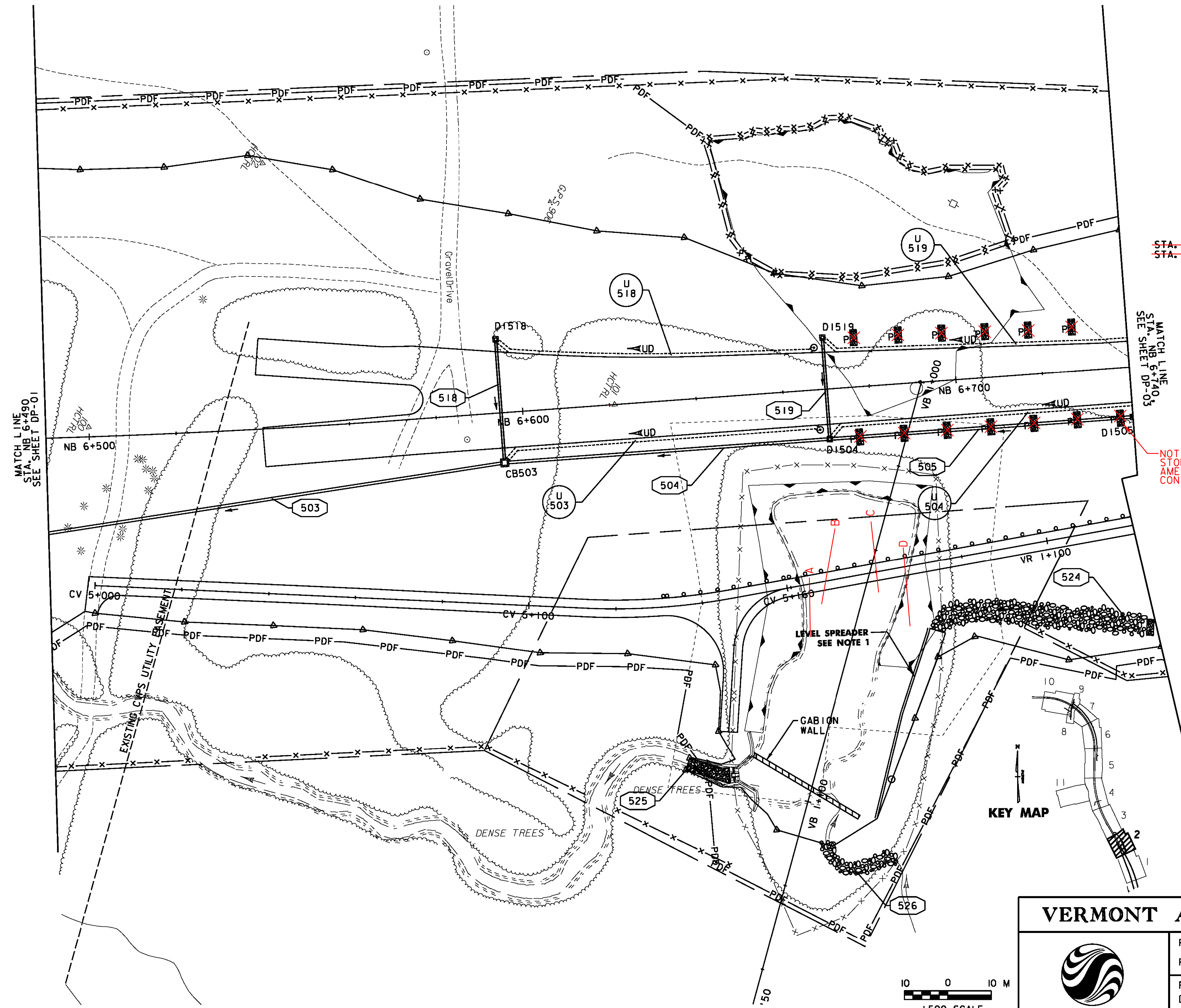
NEW DRAINAGE PIPES		
PIPE #	LOCATION	COMMENTS
504	NB 6+595.0 - NB 6+670.0 RT	600 X 74.1 m PIPE OPTION 2
505	NB 6+670.0 - NB 6+740.0 RT	600 X 69.4 m PIPE OPTION 2
518	NB 6+595.0 LT-RT	450 X 27.6 m PIPE OPTION 3
519	NB 6+670.0 LT-RT	450 X 22.9 m CPEP (SL)

UNDERDRAIN	
U 503	CONST. & NB 6+595.0 - NB 6+670.0 RT. NEW 150 mm x 69.0 m UND. W/FLUSHING BASIN @ 6+668.0, RT.
U 504	CONST. & NB 6+670.0 - NB 6+760.0 RT. NEW 150 mm x 84.0 m UND. W/FLUSHING BASIN SEE DP-03
U 518	CONST. & NB 6+595.0 - NB 6+670.0 LT. NEW 150 mm x 69.2 m UND. W/FLUSHING BASIN @ NB 6+668.0, LT.
U 519	CONST. & NB 6+670.0 - NB 7+040.0 LT. NEW 150 mm x 383.2 m UND. W/FLUSHING BASINS SEE DP-03

PERMANENT STONE CHECK DAMS - TYPE I
~~STA. NB 6+676.185, 11.5m RT. STA. NB 6+737.874, 11.6m RT.~~
~~STA. A 1+700.294, 5.5m LT. STA. A 1+762.096, 6.3m LT.~~

UNDERDRAIN ADDED TO CONTRACT		
	INV. INLET	INV. OUTLET
A)	NB 6+664.5 - 56.50m RT ELEV. 290.22	NB 6+666.9 - 42.8m RT ELEV.
B)	NB 6+665.4 - 49.23m RT ELEV. 289.13	NB 6+670.5 - 31.5m RT ELEV. 288.93
C)	NB 6+679.5 - 48.00m RT ELEV. 289.8	NB 6+679.8 - 31.4m RT ELEV. 289.42
D)	NB 6+686.0 - 55.79m RT ELEV.	NB 6+686.67 - 37.5m RT ELEV. 290.65

NOT INSTALLED
STORMWATER
AMENDMENT UNDER
CONTRACT 51



MATCH LINE
STA. NB 6+740.0
SEE SHEET DP-03

MATCH LINE
STA. NB 6+490
SEE SHEET DP-01

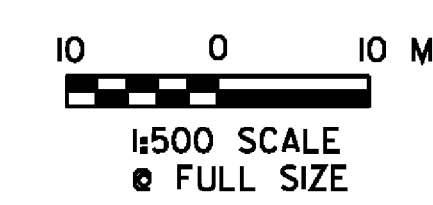
KEY MAP

NOTES:
 1. SEE STORMWATER MANAGEMENT DETAIL SHEET SWM-1 FOR DIMENSIONS AND CONSTRUCTION DETAILS FOR INTERCEPTOR DITCH AND LEVEL SPREADER. EARTHWORK FOR INTERCEPTOR DITCH AND LEVEL SPREADER SHALL BE PAID FOR UNDER ITEM 204.20 (TRENCH EXCAVATION).

VERMONT AGENCY OF TRANSPORTATION



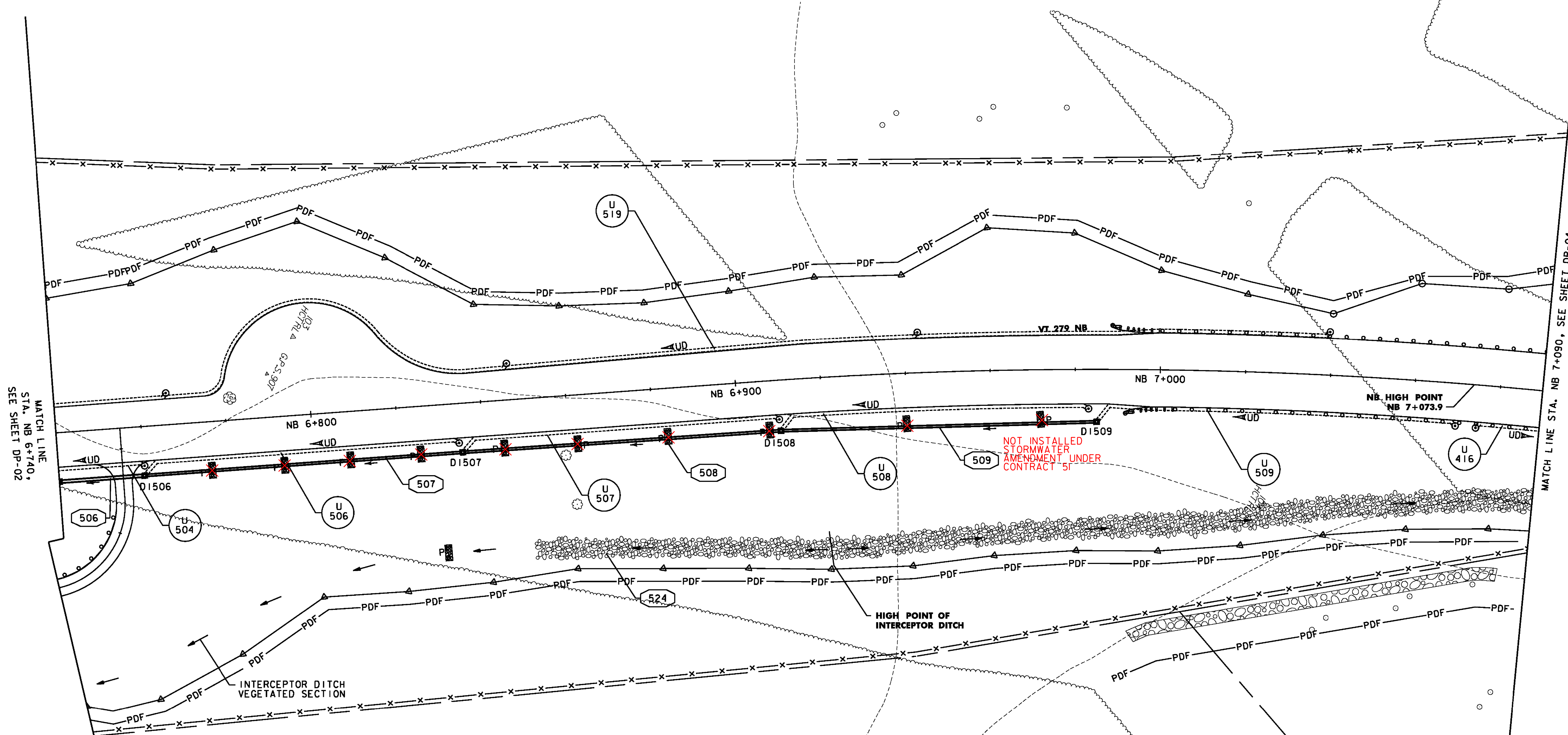
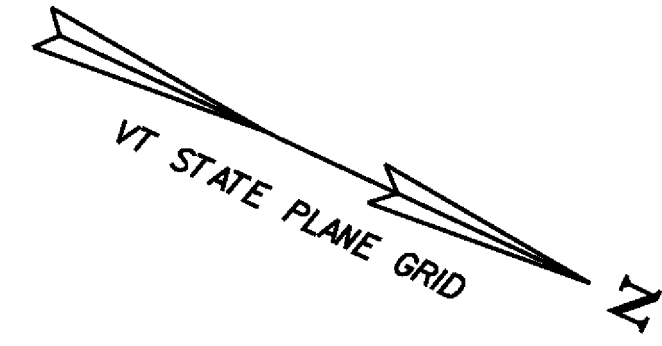
PROJECT NAME: BENNINGTON
 PROJECT NUMBER: AC NH 019-1(52)
 FILE NAME: ...plot_files\zd307c2dp02.ppt PLOT DATE: 5/16/2011
 DESIGN SUPERVISOR: GREG EDWARDS DRAWN BY: STANTEC
 DESIGNED BY: MARC FOISY CHECKED BY: GARY SANTY
 DRAINAGE PLAN DP-02 SHEET 82 OF 267



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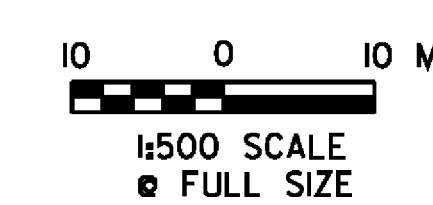
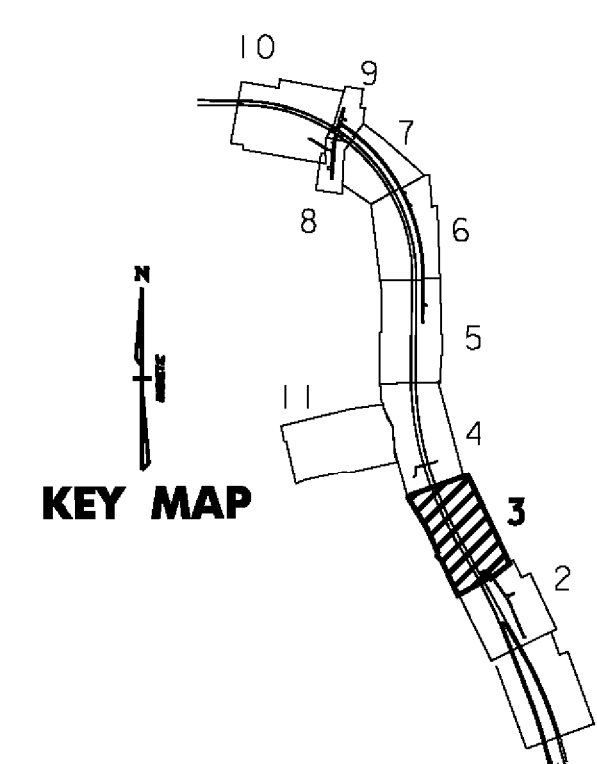
NEW DRAINAGE STRUCTURES			NEW DRAINAGE PIPES		
STRUCTURE #	LOCATION	COMMENTS	PIPE #	LOCATION	COMMENTS
D1506	NB 6+760.0 RT	TYPE A GRATE	506	NB 6+740.0 - NB 6+760.0 RT	600 X 19.4 m PIPE OPTION 3
D1507	NB 6+835.0 RT	TYPE A GRATE	507	NB 6+760.0 - NB 6+835.0 RT	600 X 74.4 m PIPE OPTION 3
D1508	NB 6+910.0 RT	TYPE A GRATE	508	NB 6+835.0 - NB 6+910.0 RT	450 X 74.4 m PIPE OPTION 3
D1509	NB 6+985.0 RT	TYPE A GRATE	509	NB 6+910.0 - NB 6+985.0 RT	450 X 73.6 m CPEP (SL)

~~PERMANENT STONE CHECK DAMS, TYPE 1~~
~~STA. NB 6+775.161, 11.4m RT. STA. NB 6+970.930, 11.7m RT.~~
~~STA. NB 6+829.242, 34.8m RT.~~



- NOT INSTALLED STORMWATER AMENDMENT UNDER CONTRACT 51**
- NOTES:**
- PIPE STATIONING REFLECTS BREAKS AT SHEET MATCHLINES. PIPE LENGTHS REFLECT ACTUAL PIPE SEGMENTS & MATCH THE SUMMARY SHEETS.
 - SEE STORMWATER MANAGEMENT DETAIL SHEET SWM-1 FOR DIMENSIONS AND CONSTRUCTION DETAILS FOR INTERCEPTOR DITCH. EXCAVATION FOR INTERCEPTOR DITCH SHALL BE PAID FOR UNDER ITEM 204.20 (TRENCH EXCAVATION).

- UNDERDRAIN**
- U 504 SEE DP-02 FOR STATIONING AND LENGTH FLUSHING BASIN AT 6+760.0, RT.
 - U 506 CONST. @ NB 6+760.0 - NB 6+835.0, RT. NEW 150 mm x 69.0 m UND. W/FLUSHING BASIN @ NB 6+834.0, RT.
 - U 507 CONST. @ NB 6+835.0 - NB 6+910.0, RT. NEW 150 mm x 69.0 m UND. W/FLUSHING BASIN @ NB 6+910.0, RT.
 - U 508 CONST. @ NB 6+910.0 - NB 6+985.0, RT. NEW 150 mm x 68.5 m UND. W/FLUSHING BASIN @ NB 6+983.0, RT.
 - U 509 CONST. @ NB 6+985.0 - NB 7+070.0, RT. NEW 150 mm x 81.0 m UND. W/FLUSHING BASIN @ NB 7+070.0, RT.
 - U 519 SEE DP-02 FOR STATIONING AND LENGTH FLUSHING BASINS @ NB 6+766.3, LT., NB 6+846.7, LT., NB 6+943.2, LT., NB 7+040.0 LT., 6+670 LT.
 - U 416 CONST. @ NB 7+075.0 - NB 7+130, RT. NEW 150 mm x 54.8 m UND. W/FLUSHING BASIN @ 7+075.0, RT. NEW 150 x 10 m CARRIER PIPE FOR OUTLET



VERMONT AGENCY OF TRANSPORTATION



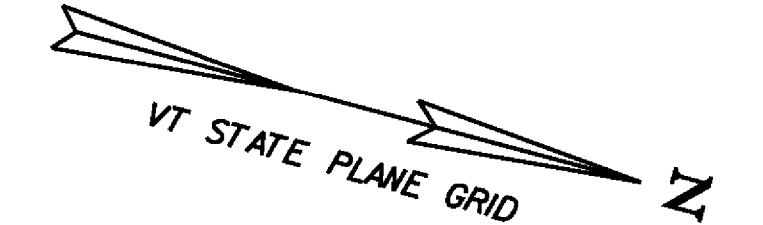
PROJECT NAME: BENNINGTON
 PROJECT NUMBER: AC NH 019-1(52)
 FILE NAME: ...plot.files\zd307c2dp03.ppf PLOT DATE: 5/16/2011
 DESIGN SUPERVISOR: GREG EDWARDS DRAWN BY: STANTEC
 DESIGNED BY: MARC FOISY CHECKED BY: GARY SANTY
DRAINAGE PLAN DP-03 SHEET 83 OF 267

NEW DRAINAGE STRUCTURES		
STRUCTURE #	LOCATION	COMMENTS
D1415	NB 7+375.0 RT	TYPE A GRATE
D1416	NB 7+300.0 RT	TYPE A GRATE
D1417	NB 7+225.0 RT	TYPE A GRATE
D1434	NB 7+165.0 RT	TYPE A GRATE
D1435	NB 7+180.0 RT	TYPE A GRATE

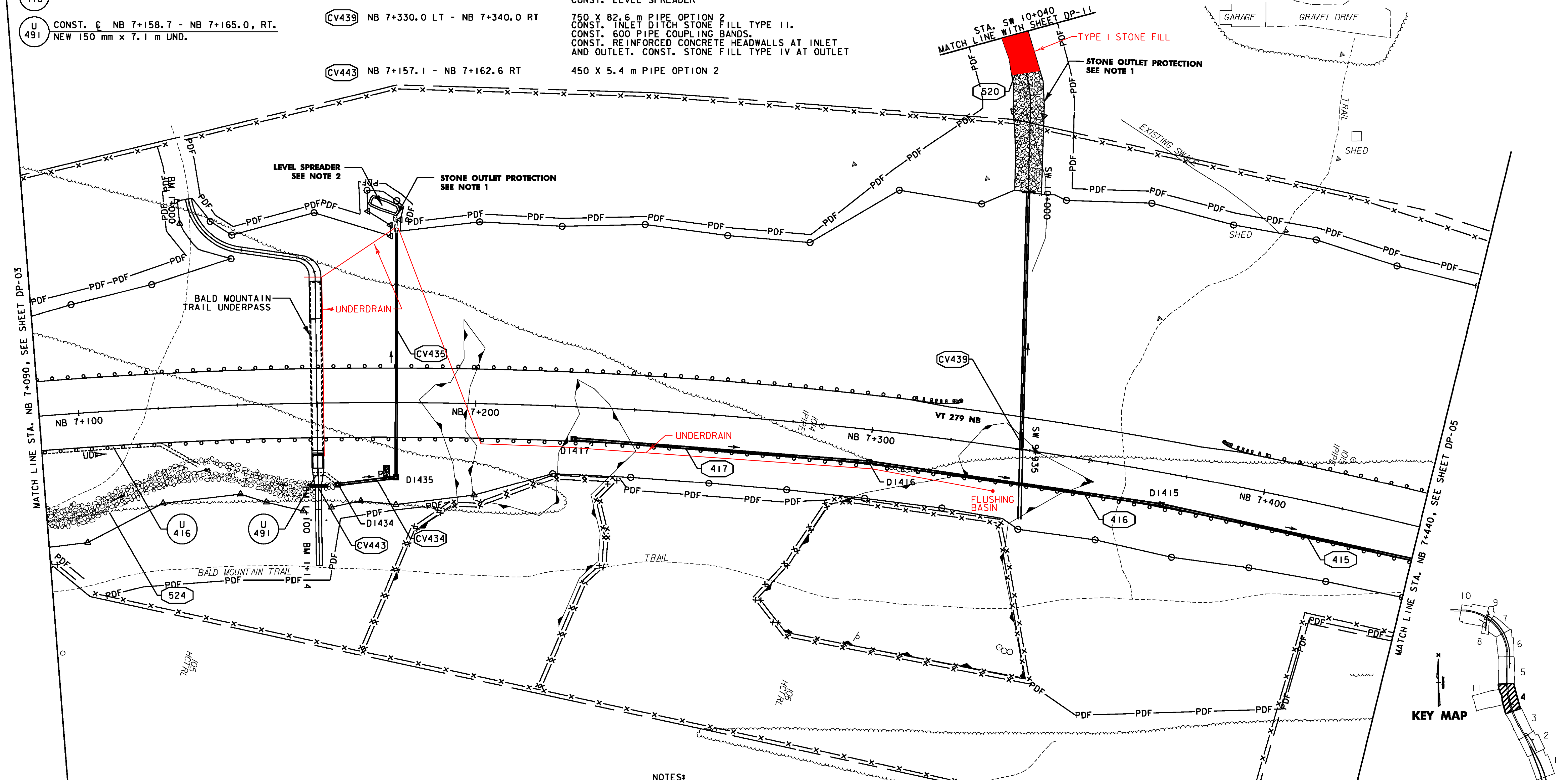
NEW DRAINAGE PIPES		
PIPE #	LOCATION	COMMENTS
415	NB 7+375.0 - NB 7+450.0 RT	450 X 73.8 m CPEP (SL)
416	NB 7+300.0 - NB 7+375.0 RT	450 X 73.8 m CPEP (SL)
417	NB 7+225.0 - NB 7+300.0 RT	450 X 73.8 m CPEP (SL)
CV434	NB 7+165.0 - NB 7+180.0 RT	450 X 14.2 m CPEP (SL)
CV435	NB 7+180.0 LT-RT	450 X 61.6 m PIPE OPTION 2 CONST. END SECTION AND STONE FILL TYPE II AT OUTLET CONST. LEVEL SPREADER
CV439	NB 7+330.0 LT - NB 7+340.0 RT	750 X 82.6 m PIPE OPTION 2 CONST. INLET DITCH STONE FILL TYPE II. CONST. 600 PIPE COUPLING BANDS. CONST. REINFORCED CONCRETE HEADWALLS AT INLET AND OUTLET. CONST. STONE FILL TYPE IV AT OUTLET
CV443	NB 7+157.1 - NB 7+162.6 RT	450 X 5.4 m PIPE OPTION 2

STORMWATER MANAGEMENT		
STRUCTURE #	LOCATION	COMMENTS
520	SW 10+029.8 - SW 10+200.0	CONST. VEG. SWALE 5 (SEE DP-11 FOR SWALE TYPICAL)

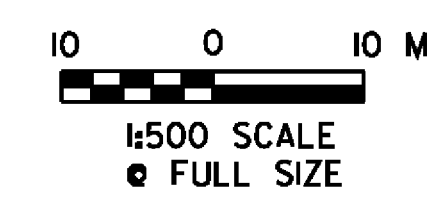
PERMANENT STONE CHECK DAMS, TYPE I
STA. NB 7+170.806, 17.6m RT.



- UNDERDRAIN**
- U 416 SEE DP-03 FOR STATIONING AND LENGTH
 - U 491 CONST. C NB 7+158.7 - NB 7+165.0, RT.
NEW 150 mm x 7.1 m UND.



- NOTES:**
- SEE STORMWATER MANAGEMENT DETAILS SHEET SWM-5 FOR DIMENSIONS AND CONSTRUCTION DETAILS OF STONE OUTLET PROTECTION.
 - SEE STORMWATER MANAGEMENT DETAILS SHEET SWM-1 FOR DIMENSIONS AND CONSTRUCTION DETAILS OF LEVEL SPREADERS. EARTHWORK FOR LEVEL SPREADERS SHALL BE PAID FOR UNDER ITEM 204.20 (TRENCH EXCAVATION).
 - PIPE STATIONING REFLECTS BREAKS AT SHEET MATCHLINES. PIPE LENGTHS REFLECT ACTUAL PIPE SEGMENTS & MATCH THE SUMMARY SHEETS.



VERMONT AGENCY OF TRANSPORTATION



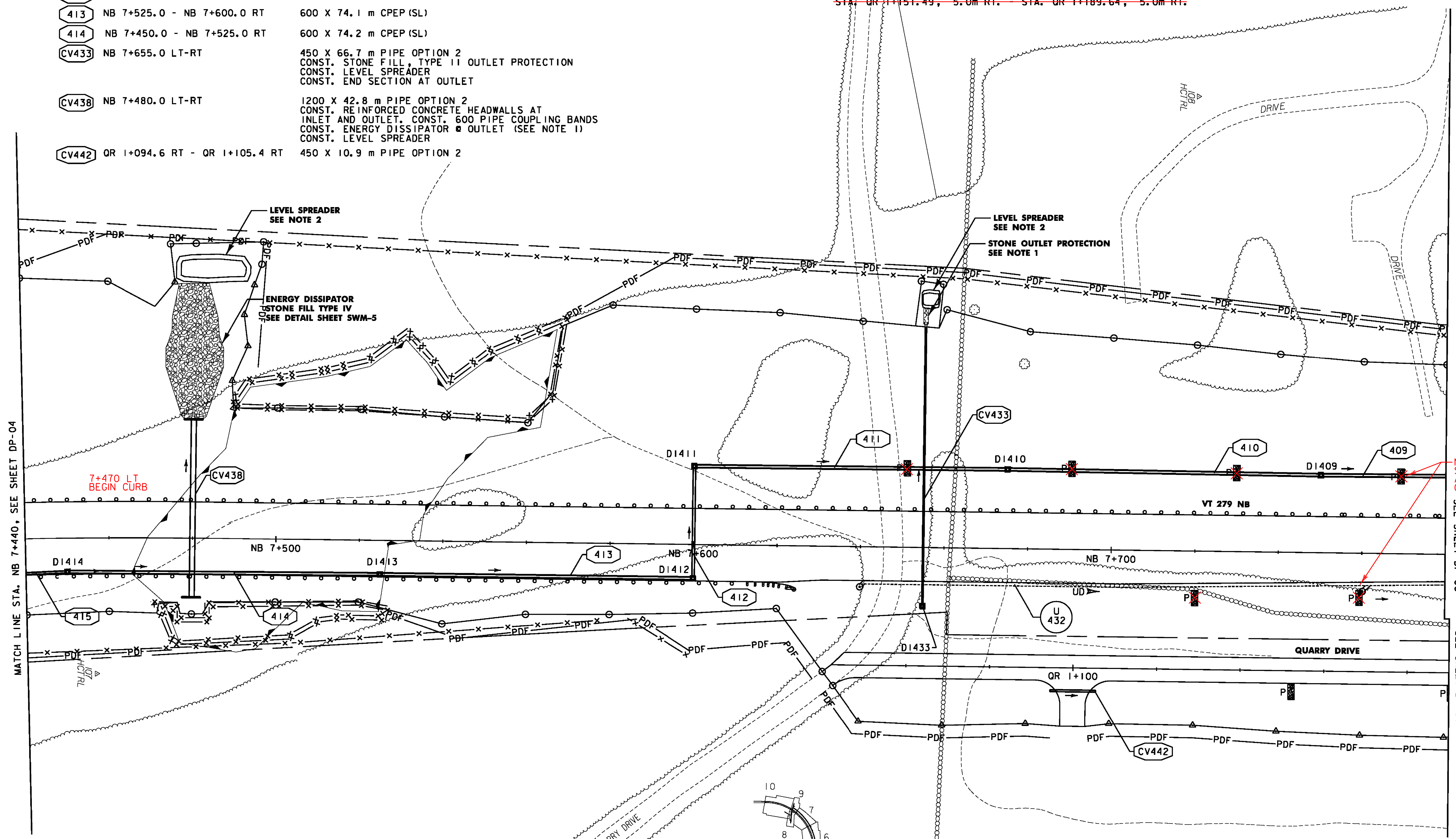
PROJECT NAME:	BENNINGTON	FILE NAME:	...plot.files\zd307c2dp04.ppf	PLOT DATE:	5/16/2011
PROJECT NUMBER:	AC NH 019-(152)	DESIGN SUPERVISOR:	GREG EDWARDS	DRAWN BY:	STANTEC
		DESIGNED BY:	MARC FOISY	CHECKED BY:	GARY SANTY
		DRAINAGE PLAN DP-04		SHEET	84 OF 267

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NEW DRAINAGE PIPES			NEW DRAINAGE STRUCTURES		
PIPE #	LOCATION	COMMENTS	STRUCTURE #	LOCATION	COMMENTS
409	NB 7+750.0 - NB 7+825.0 LT	600 X 73.0 m PIPE OPTION 1	D1409	NB 7+750.0 LT	TYPE A GRATE
410	NB 7+675.0 - NB 7+750.0 LT	600 X 74.4 m PIPE OPTION 1	D1410	NB 7+675.0 LT	TYPE A GRATE
411	NB 7+600.0 - NB 7+675.0 LT	600 X 74.4 m PIPE OPTION 1	D1411	NB 7+600.0 LT	TYPE A GRATE
412	NB 7+600.0 LT-RT	600 X 26.0 m CPEP (SL)	D1412	NB 7+600.0 RT	TYPE A GRATE
413	NB 7+525.0 - NB 7+600.0 RT	600 X 74.1 m CPEP (SL)	D1413	NB 7+525.0 RT	TYPE A GRATE
414	NB 7+450.0 - NB 7+525.0 RT	600 X 74.2 m CPEP (SL)	D1414	NB 7+450.0 RT	TYPE A GRATE
CV433	NB 7+655.0 LT-RT	450 X 66.7 m PIPE OPTION 2 CONST. STONE FILL, TYPE II OUTLET PROTECTION CONST. LEVEL SPREADER CONST. END SECTION AT OUTLET	D1433	NB 7+655.0 RT	TYPE A GRATE
CV438	NB 7+480.0 LT-RT	1200 X 42.8 m PIPE OPTION 2 CONST. REINFORCED CONCRETE HEADWALLS AT INLET AND OUTLET, CONST. 600 PIPE COUPLING BANDS CONST. ENERGY DISSIPATOR @ OUTLET (SEE NOTE 1) CONST. LEVEL SPREADER			
CV442	QR 1+094.6 RT - QR 1+105.4 RT	450 X 10.9 m PIPE OPTION 2			

UNDERDRAIN
 U 432 CONST. @ NB 7+640.0 - NB 7+850. RT.
 NEW 150 mm x 206.9 m UND. W/FLUSHING BASINS
 @ NB 7+640.0, RT., NB 7+760. RT.

PERMANENT STONE CHECK DAMS, TYPE I
 STA. NB 7+650.26, 17.1m LT. STA. NB 7+770.00, 16.7m LT.
 STA. NB 7+719.32, 11.2m RT. STA. NB 7+758.71, 10.7m RT.
 STA. QR 1+151.49, 5.0m RT. STA. QR 1+189.64, 5.0m RT.

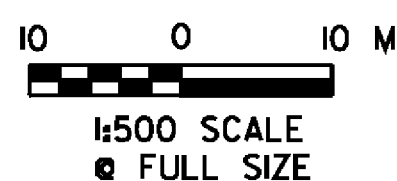
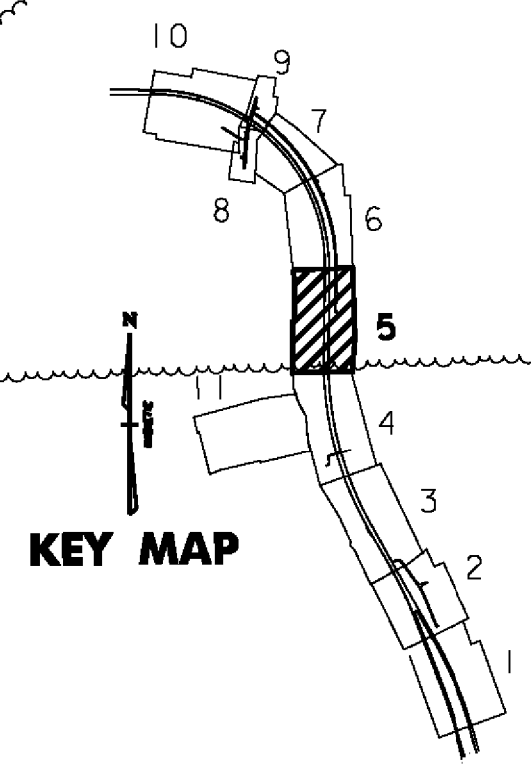


NOT INSTALLED
 STORMWATER
 AMENDMENT UNDER
 CONTRACT 51
 STA. NB 7+780,
 SEE SHEET DP-06

MATCH LINE STA. NB 7+440, SEE SHEET DP-04

MATCH LINE
 STA. QR 1+190,
 SEE SHEET DP-06

- NOTES:
- SEE STORMWATER MANAGEMENT DETAILS SHEET SWM-5 FOR DIMENSIONS AND CONSTRUCTION DETAILS OF STONE OUTLET PROTECTION AND ENERGY DISSIPATOR.
 - SEE STORMWATER MANAGEMENT DETAILS SHEET SWM-1 FOR DIMENSIONS AND CONSTRUCTION DETAILS OF LEVEL SPREADERS. EARTHWORK FOR LEVEL SPREADERS SHALL BE PAID FOR UNDER ITEM 204.20 (TRENCH EXCAVATION).



VERMONT AGENCY OF TRANSPORTATION



PROJECT NAME: BENNINGTON
 PROJECT NUMBER: AC NH 019-1(52)
 FILE NAME: ...plot.files\zd307c2dp05.ppf PLOT DATE: 5/16/2011
 DESIGN SUPERVISOR: GREG EDWARDS DRAWN BY: STANTEC
 DESIGNED BY: MARC FOISY CHECKED BY: GARY SANTY
 DRAINAGE PLAN DP-05 SHEET 85 OF 267

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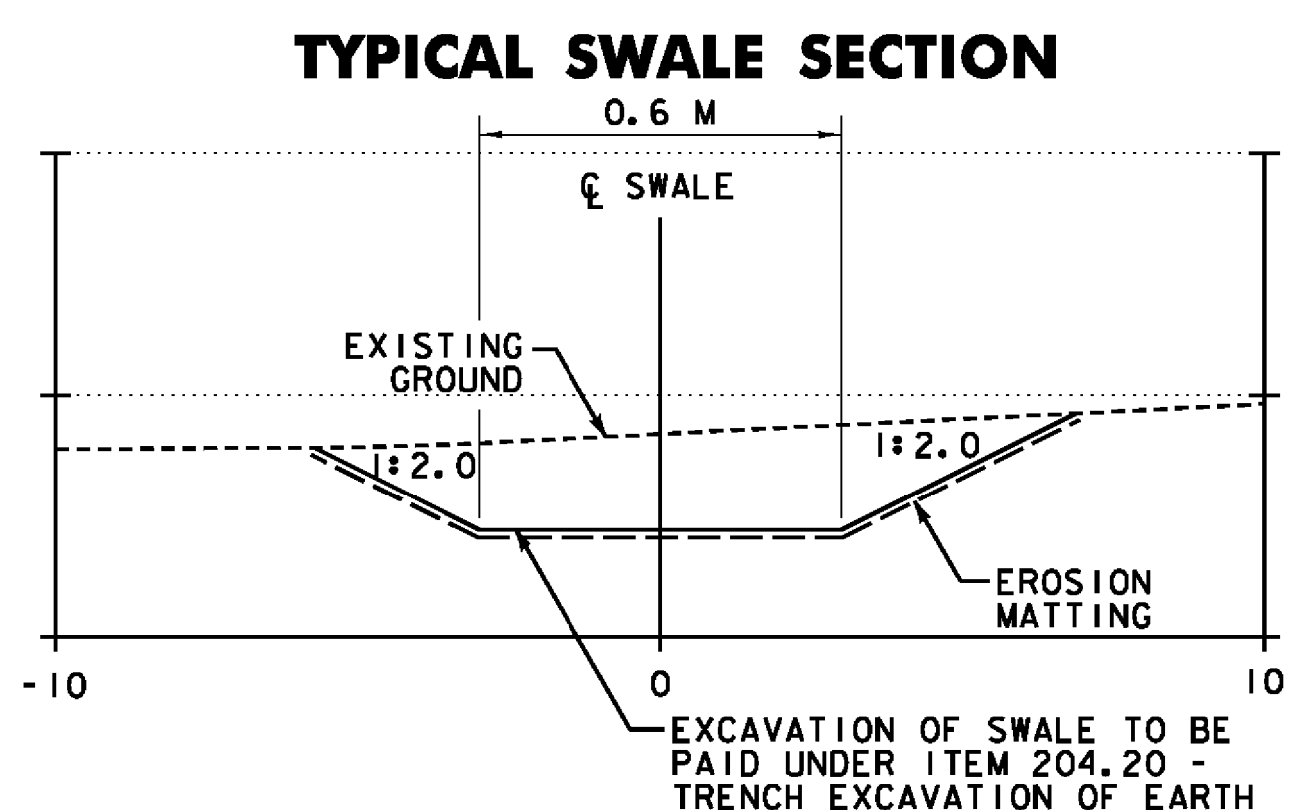
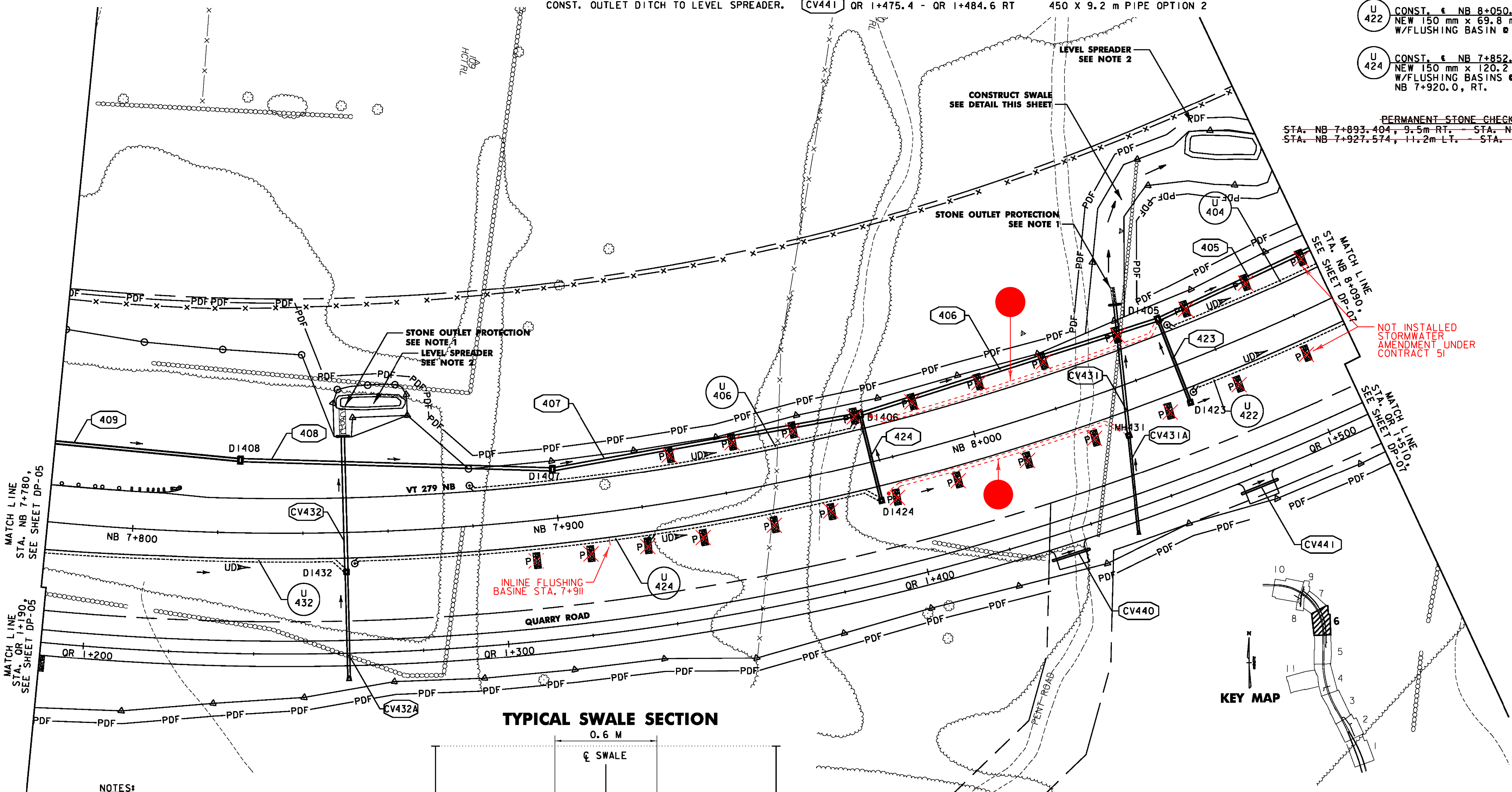


NEW DRAINAGE STRUCTURES			NEW DRAINAGE PIPES		
STRUCTURE #	LOCATION	COMMENTS	PIPE #	LOCATION	COMMENTS
D1405	NB 8+050.0 LT	1200x1800 TYPE B GRATE (1)	405	NB 8+050.0 - NB 8+125.0 LT	750 X 72.9 m PIPE OPTION 2
D1406	NB 7+975.0 LT	1200x1800 TYPE B GRATE (1)	406	NB 7+975.0 LT - NB 8+050.0 LT	750 X 72.9 m PIPE OPTION 2
D1407	NB 7+900.0 LT	1200x1800 TYPE B GRATE (1)	407	NB 7+900.0 - NB 7+975.0 LT	750 X 72.9 m PIPE OPTION 2
D1408	NB 7+825.0 LT	1200x1800 TYPE A GRATE (1)	408	NB 7+825.0 - NB 7+900.0 LT	750 X 72.7 m PIPE OPTION 2
D1423	NB 8+050.0 RT	TYPE B GRATE COVER ("STORM" CAST INTO TOP SURFACE)	423	NB 8+050.0 LT-RT	450 X 20.3 m PIPE OPTION 3
D1424	NB 7+975.0 RT	TYPE B GRATE	424	NB 7+975.0 LT-RT	450 X 20.3 m PIPE OPTION 3
MH431	NB 8+034.0 RT	COVER ("STORM" CAST INTO TOP SURFACE)	CV431	NB 8+045.0 LT - NB 8+034.0 RT	750 X 30.7 m PIPE OPTION 2 CONST. REINFORCED CONCRETE HEADWALL AND STONE FILL TYPE 11 AT OUTLET CONST. OUTLET DITCH TO LEVEL SPREADER.
D1432	NB 7+850.0 RT	1200x1800 TYPE A GRATE (1)			

NEW DRAINAGE PIPES		
PIPE #	LOCATION	COMMENTS
CV431A	NB 8+028.9 - NB 8+034.0 RT	450 X 22.6 m PIPE OPTION 2 CONST. 600 PIPE COUPLING BANDS CONST. END SECTION AT INLET
CV432	NB 7+850.0 LT-RT	750 X 31.4 m PIPE OPTION 2 CONST. REINFORCED CONCRETE HEADWALL @ OUTLET. CONST. OUTLET DITCH WITH STONE FILL TYPE 11 CONST. LEVEL SPREADER
CV432A	NB 7+850.0 RT	600 X 24.5 m PIPE OPTION 2 CONST. 600 PIPE COUPLING BANDS CONST. END SECTION AT INLET.
CV440	QR 1+428.8 - QR 1+437.8 RT	450 X 9.2 m PIPE OPTION 2
CV441	QR 1+475.4 - QR 1+484.6 RT	450 X 9.2 m PIPE OPTION 2

UNDERDRAIN	
U 406	CONST. @ NB 7+880.0 - NB 7+975.0, LT. NEW 150 mm x 89.7 m UND. W/FLUSHING BASIN @ 7+880.0, LT.
U 404	CONST. @ NB 8+050.5 - NB 8+125.0, LT. NEW 150 mm x 68.2 m UND. W/FLUSHING BASIN @ NB 8+050.5, LT.
U 422	CONST. @ NB 8+050.5 - NB 8+125.0, RT. NEW 150 mm x 69.8 m UND. W/FLUSHING BASIN @ NB 8+050.5, RT.
U 424	CONST. @ NB 7+852.0 - NB 7+975.0, RT. NEW 150 mm x 120.2 m UND. W/FLUSHING BASIN @ NB 7+852.0, RT., NB 7+920.0, RT.

PERMANENT STONE CHECK DAMS, TYPE 1
~~STA. NB 7+893.404, 9.5m RT. STA. NB 8+078.276, 9.2m RT.~~
~~STA. NB 7+927.574, 11.2m LT. STA. NB 8+086.472, 11.8m LT.~~



- NOTES:**
- SEE STORMWATER MANAGEMENT DETAILS SHEET SWM-5 FOR DIMENSIONS AND CONSTRUCTION DETAILS OF STONE OUTLET PROTECTION.
 - SEE STORMWATER MANAGEMENT DETAIL SHEET SWM-1 FOR DIMENSIONS AND CONSTRUCTION DETAILS OF LEVEL SPREADERS. EARTHWORK FOR LEVEL SPREADERS SHALL BE PAID FOR UNDER ITEM 204.20 (TRENCH EXCAVATION).
 - PIPE STATIONING REFLECTS BREAKS AT SHEET MATCHLINES. PIPE LENGTHS REFLECT ACTUAL PIPE SEGMENTS & MATCH THE SUMMARY SHEETS.

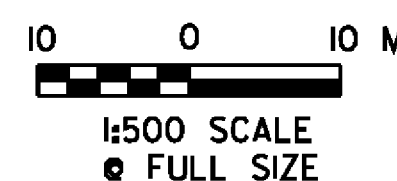
NOT INSTALLED
STORMWATER
AMENDMENT UNDER
CONTRACT 51



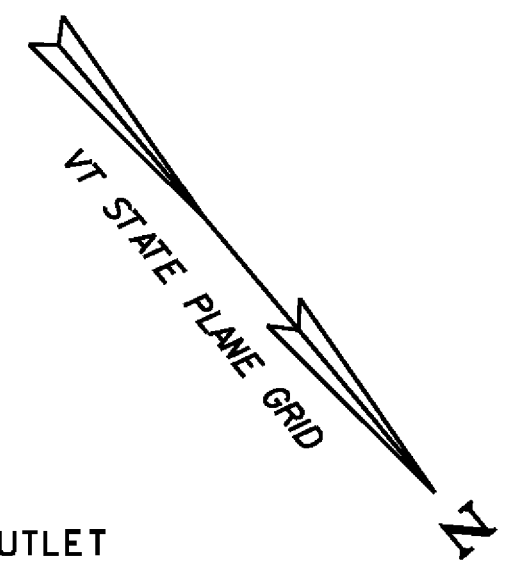
VERMONT AGENCY OF TRANSPORTATION



PROJECT NAME: BENNINGTON
 PROJECT NUMBER: AC NH 019-1(52)
 FILE NAME: ...plot_files\zd307c2dp06.pft PLOT DATE: 5/16/2011
 DESIGN SUPERVISOR: GREG EDWARDS DRAWN BY: STANTEC
 DESIGNED BY: MARC FOISY CHECKED BY: GARY SANTY
 DRAINAGE PLAN DP-06 SHEET 86 OF 267



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NEW DRAINAGE STRUCTURES		
STRUCTURE #	LOCATION	COMMENTS
D1403	NB 8+200.0 LT	1200x1800 TYPE B GRATE (1)
D1404	NB 8+125.0 LT	1200x1800 TYPE B GRATE (1)
D1421	NB 8+200.0 RT	TYPE B GRATE
D1422	NB 8+125.0 RT	TYPE B GRATE
PRCCD1428	NB 8+309.6 RT	PRCCDI
PRCCD1429	NB 8+260.0 LT	PRCCDI
MH430	NB 8+187.0 RT	COVER ("STORM" CAST INTO TOP SURFACE)

STORMWATER MANAGEMENT		
STRUCTURE #	LOCATION	COMMENTS
402	NB 8+240.0 - NB 8+310.7 LT	CONST. STONE LINED DITCH, SWM-1

NEW DRAINAGE PIPES		
PIPE #	LOCATION	COMMENTS
403	NB 8+200.0-NB 8+240.0 LT	900 X 38.9 m PIPE OPTION 2 CONST. END SECTION AT OUTLET
404	NB 8+125.0 - NB 8+200.0 LT	750 X 72.8 m PIPE OPTION 2
421	NB 8+200.0 LT-RT	450 X 23.8 m PIPE OPTION 3
422	NB 8+125.0 LT-RT	450 X 22.3 m PIPE OPTION 3
428	NB 8+309.6 LT	300 X 17.2 m OPTION 2 SLOPE DRAIN CONST. 600mm PIPE COUPLING BANDS
429	NB 8+260.0 LT	300 X 7.5 m OPTION 2 SLOPE DRAIN CONST. 600 PIPE COUPLING BANDS
CV430	NB 8+187.0 RT-NB 8+192.0 LT	600 X 30.3 m PIPE OPTION 2 CONST. REINFORCED CONCRETE HEADWALL OUTLET CONST. STONE FILL, TYPE II OUTLET CONST. LEVEL SPREADER
CV430A	NB 8+187.0 RT	450 X 21.2 m PIPE OPTION 2 CONST. 600 PIPE COUPLING BANDS CONST. END SECTION AT INLET

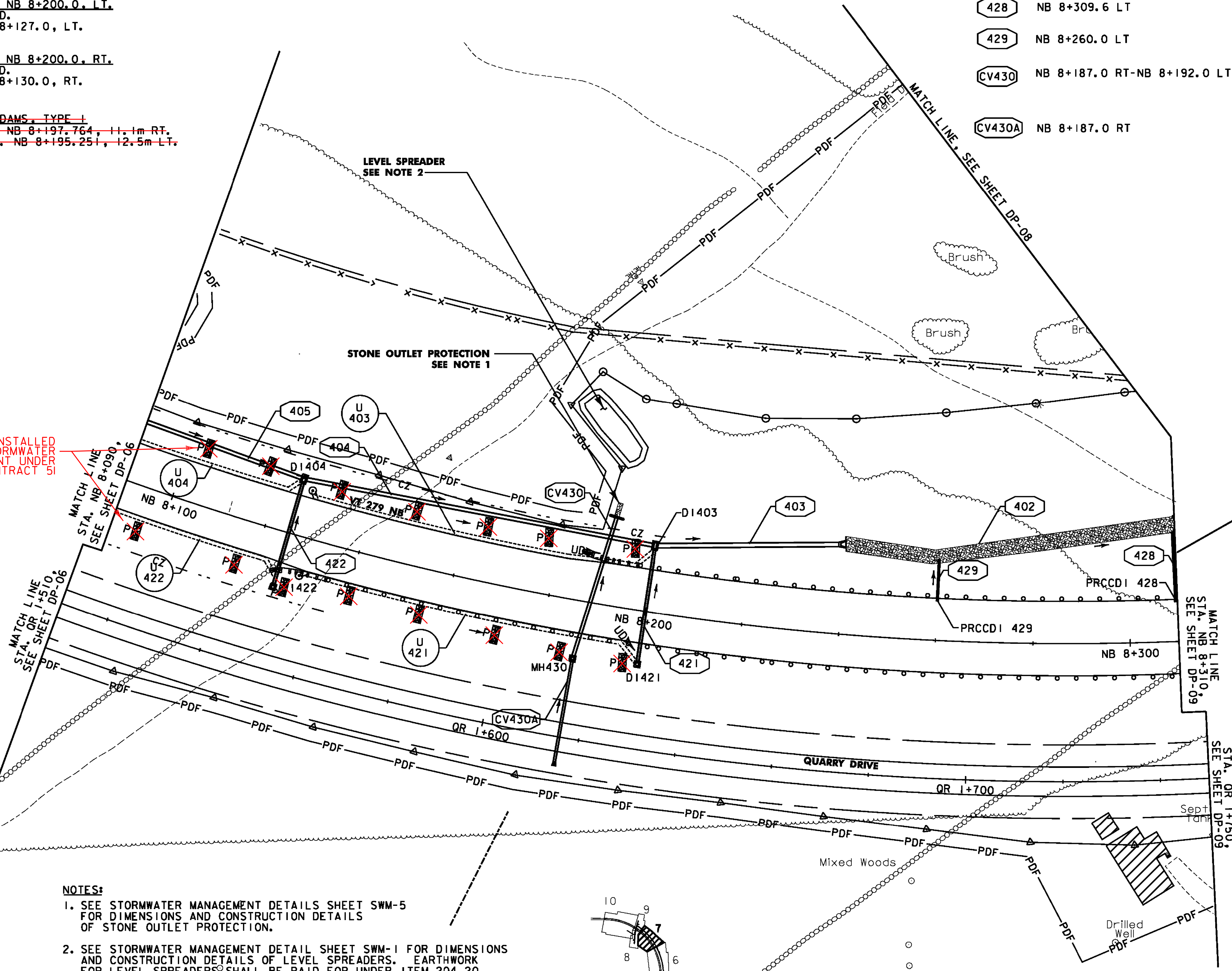
UNDERDRAIN

U 403 CONST. 6 NB 8+125.0 - NB 8+200.0, LT.
NEW 150 mm x 67.6 m UND.
W/FLUSHING BASIN @ NB 8+127.0, LT.

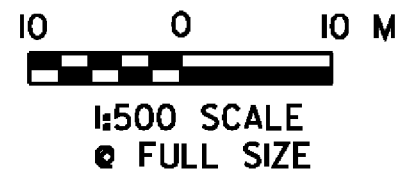
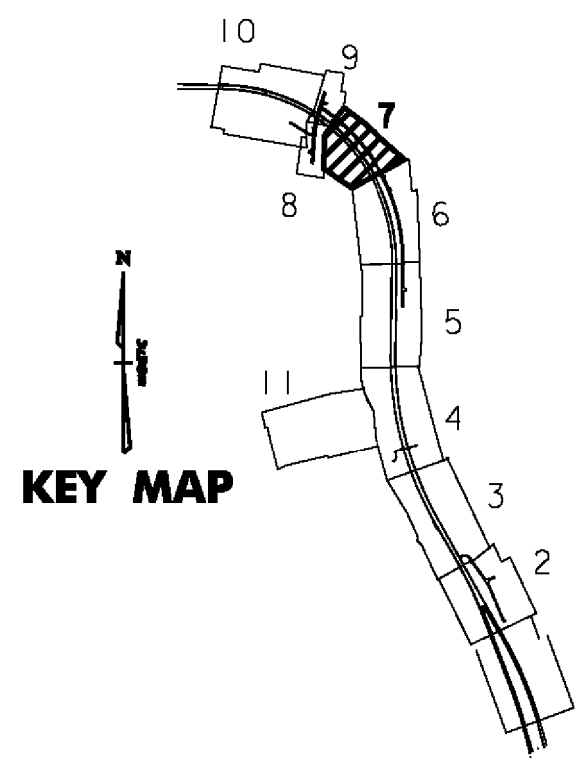
U 421 CONST. 6 NB 8+130.0 - NB 8+200.0, RT.
NEW 150 mm x 69.1 m UND.
W/FLUSHING BASIN @ NB 8+130.0, RT.

~~PERMANENT STONE CHECK DAMS, TYPE I~~
~~STA. NB 8+094.519, 9.2m RT. STA. NB 8+197.764, 11.1m RT.~~
~~STA. NB 8+103.258, 11.7m LT. STA. NB 8+195.251, 12.5m LT.~~

NOT INSTALLED
STORMWATER
AMENDMENT UNDER
CONTRACT '51



- NOTES:**
- SEE STORMWATER MANAGEMENT DETAILS SHEET SWM-5 FOR DIMENSIONS AND CONSTRUCTION DETAILS OF STONE OUTLET PROTECTION.
 - SEE STORMWATER MANAGEMENT DETAIL SHEET SWM-1 FOR DIMENSIONS AND CONSTRUCTION DETAILS OF LEVEL SPREADERS. EARTHWORK FOR LEVEL SPREADERS SHALL BE PAID FOR UNDER ITEM 204.20 (TRENCH EXCAVATION).
 - PIPE STATIONING REFLECTS BREAKS AT SHEET MATCHLINES. PIPE LENGTHS REFLECT ACTUAL PIPE SEGMENTS & MATCH THE SUMMARY SHEETS.
 - FOR TEMPORARY SEDIMENT BASIN # 1 DETAILS AND PIPE NOTES SEE EROSION PREVENTION AND SEDIMENT CONTROL DETAILS ECD-12 AND ECD-13

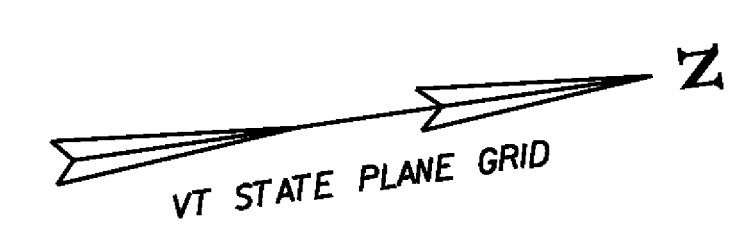


VERMONT AGENCY OF TRANSPORTATION



PROJECT NAME:	BENNINGTON
PROJECT NUMBER:	AC NH 019-1(52)
FILE NAME:	...plot_files\zd307c2dp07.ppt
DESIGN SUPERVISOR:	GREG EDWARDS
DESIGNED BY:	MARC FOISY
DRAINAGE PLAN:	DP-07
PLOT DATE:	5/16/2011
DRAWN BY:	STANTEC
CHECKED BY:	GARY SANTY
SHEET:	87 OF 267

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NEW DRAINAGE STRUCTURES

STRUCTURE #	LOCATION	COMMENTS
D1401	NB 8+332.0 LT	1200x1800 TYPE A GRATE (2)
D1419	CH 1+397.0 RT	TYPE A GRATE
PRCCD1427	NB 8+370.0 LT	PRCCD1

NEW DRAINAGE PIPES

PIPE #	LOCATION	COMMENTS
401	NB 8+332.0-NB 8+360.0 LT	900 X 24.8 m PIPE OPTION 2 CONST. STONE FILL TYPE II AT OUTLET
419	CH 1+354.0 - CH 1+397.0 RT	450 X 41.8 m PIPE OPTION 3
427	NB 8+378.5 LT	300 X 15.4 m OPTION 2 SLOPE DRAIN CONST. 600mm PIPE COUPLING BANDS CONST. END SECTION AT OUTLET CONST. STONE FILL TYPE II AT OUTLET
CV436	CH 1+426.0-CH 1+436.0 RT	450 X 10.0 m PIPE OPTION 2 CONST. END SECTIONS AT INLET AND OUTLET
CV437	CH 1+419.5 LT - RT.	600 X 22.4 m PIPE OPTION 2 CONST. STONE FILL TYPE I AT OUTLET CONST. END SECTIONS AT INLET AND OUTLET

EXISTING DRAINAGE PIPES

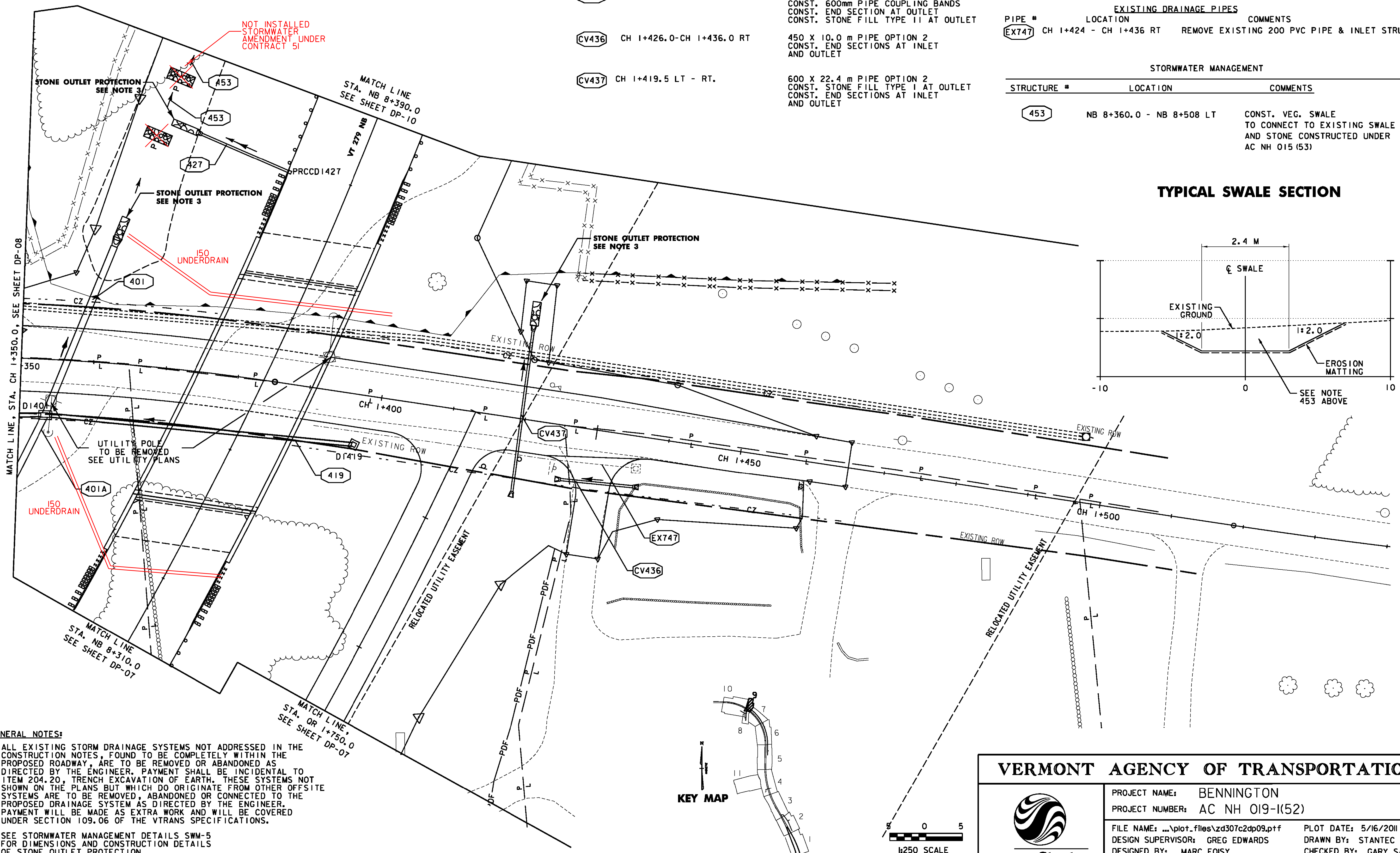
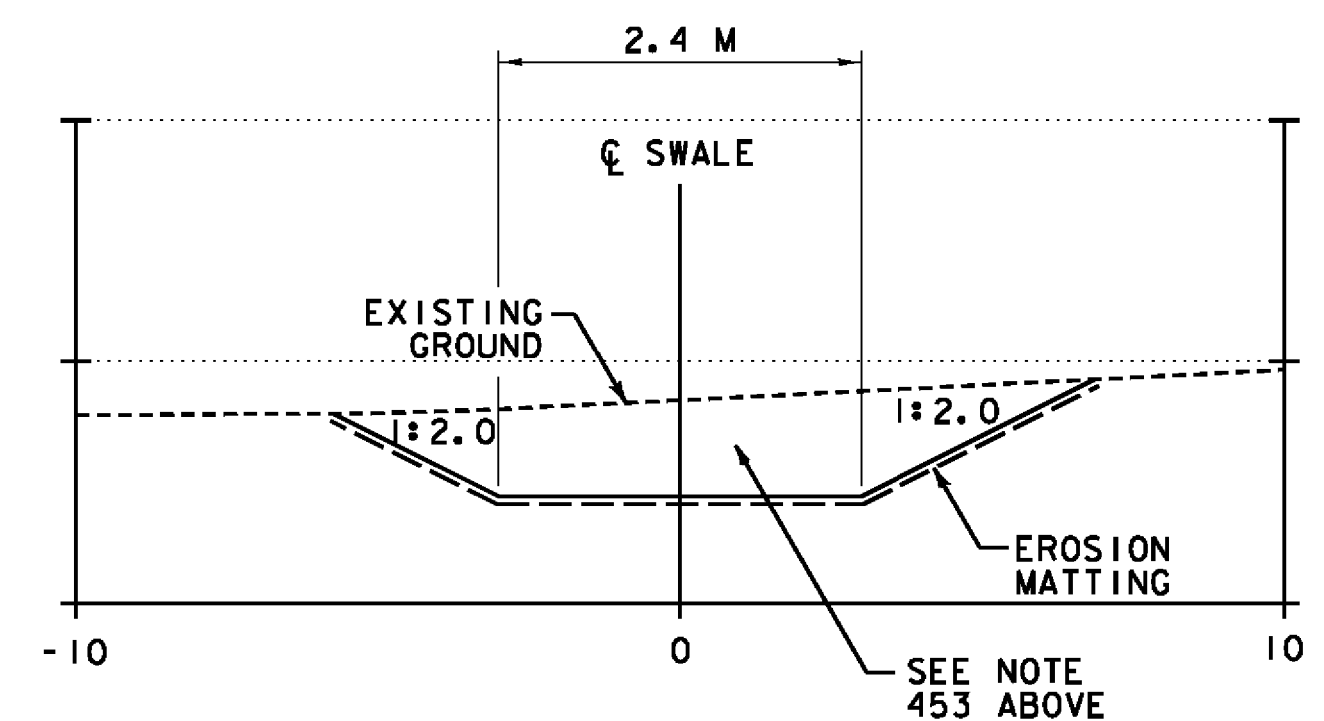
PIPE #	LOCATION	COMMENTS
EX747	CH 1+424 - CH 1+436 RT	REMOVE EXISTING 200 PVC PIPE & INLET STRUCTURE

~~PERMANENT STONE CHECK DAMS, TYPE 1
STA. NB 8+375.133, 27.1m LT. STA. NB 8+384.213, 27.2m LT.~~

STORMWATER MANAGEMENT

STRUCTURE #	LOCATION	COMMENTS
453	NB 8+360.0 - NB 8+508 LT	CONST. VEG. SWALE TO CONNECT TO EXISTING SWALE AND STONE CONSTRUCTED UNDER AC NH 015 (53)

TYPICAL SWALE SECTION



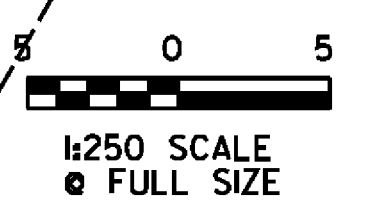
GENERAL NOTES:

- ALL EXISTING STORM DRAINAGE SYSTEMS NOT ADDRESSED IN THE CONSTRUCTION NOTES, FOUND TO BE COMPLETELY WITHIN THE PROPOSED ROADWAY, ARE TO BE REMOVED OR ABANDONED AS DIRECTED BY THE ENGINEER. PAYMENT SHALL BE INCIDENTAL TO ITEM 204.20, TRENCH EXCAVATION OF EARTH. THESE SYSTEMS NOT SHOWN ON THE PLANS BUT WHICH DO ORIGINATE FROM OTHER OFFSITE SYSTEMS ARE TO BE REMOVED, ABANDONED OR CONNECTED TO THE PROPOSED DRAINAGE SYSTEM AS DIRECTED BY THE ENGINEER. PAYMENT WILL BE MADE AS EXTRA WORK AND WILL BE COVERED UNDER SECTION 109.06 OF THE VTRANS SPECIFICATIONS.
- SEE STORMWATER MANAGEMENT DETAILS SWM-5 FOR DIMENSIONS AND CONSTRUCTION DETAILS OF STONE OUTLET PROTECTION.

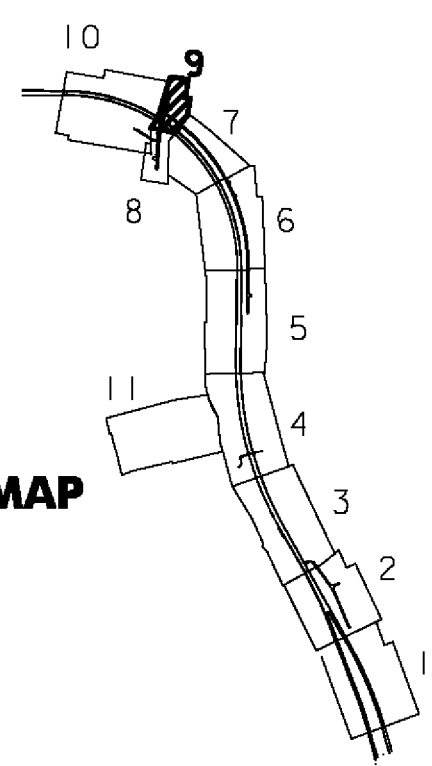
VERMONT AGENCY OF TRANSPORTATION



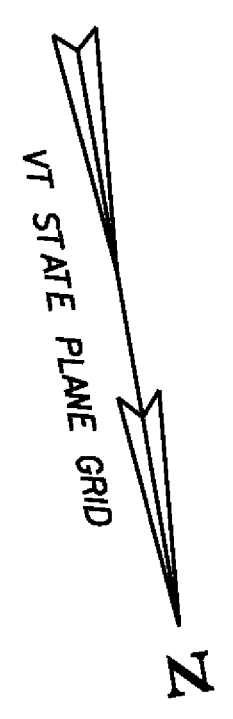
PROJECT NAME: BENNINGTON
 PROJECT NUMBER: AC NH 019-1(52)
 FILE NAME: ...plot.files\zd307c2dp09.ppf PLOT DATE: 5/16/2011
 DESIGN SUPERVISOR: GREG EDWARDS DRAWN BY: STANTEC
 DESIGNED BY: MARC FOISY CHECKED BY: GARY SANTY
DRAINAGE PLAN DP-09 SHEET 89 OF 267



KEY MAP



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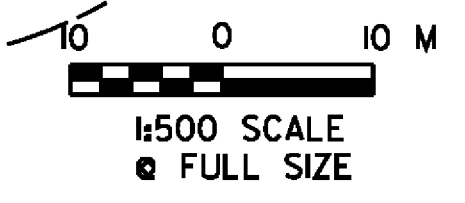
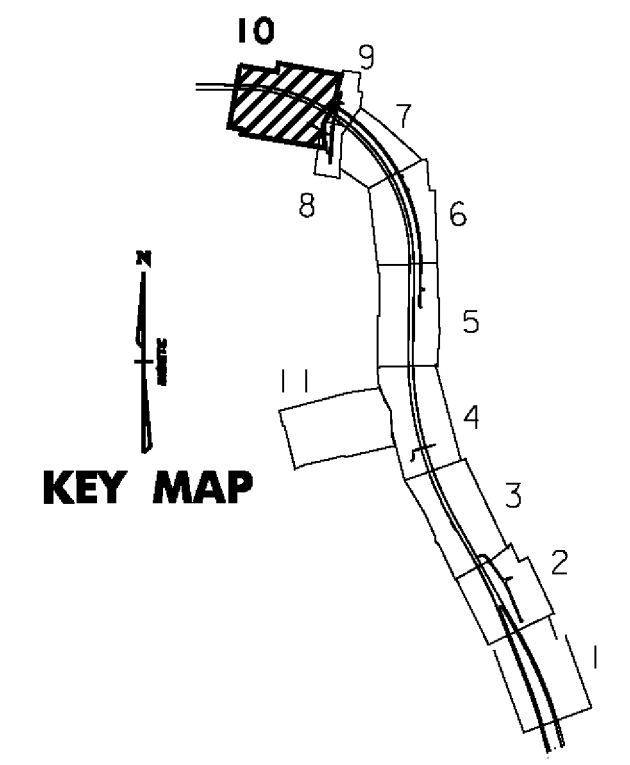
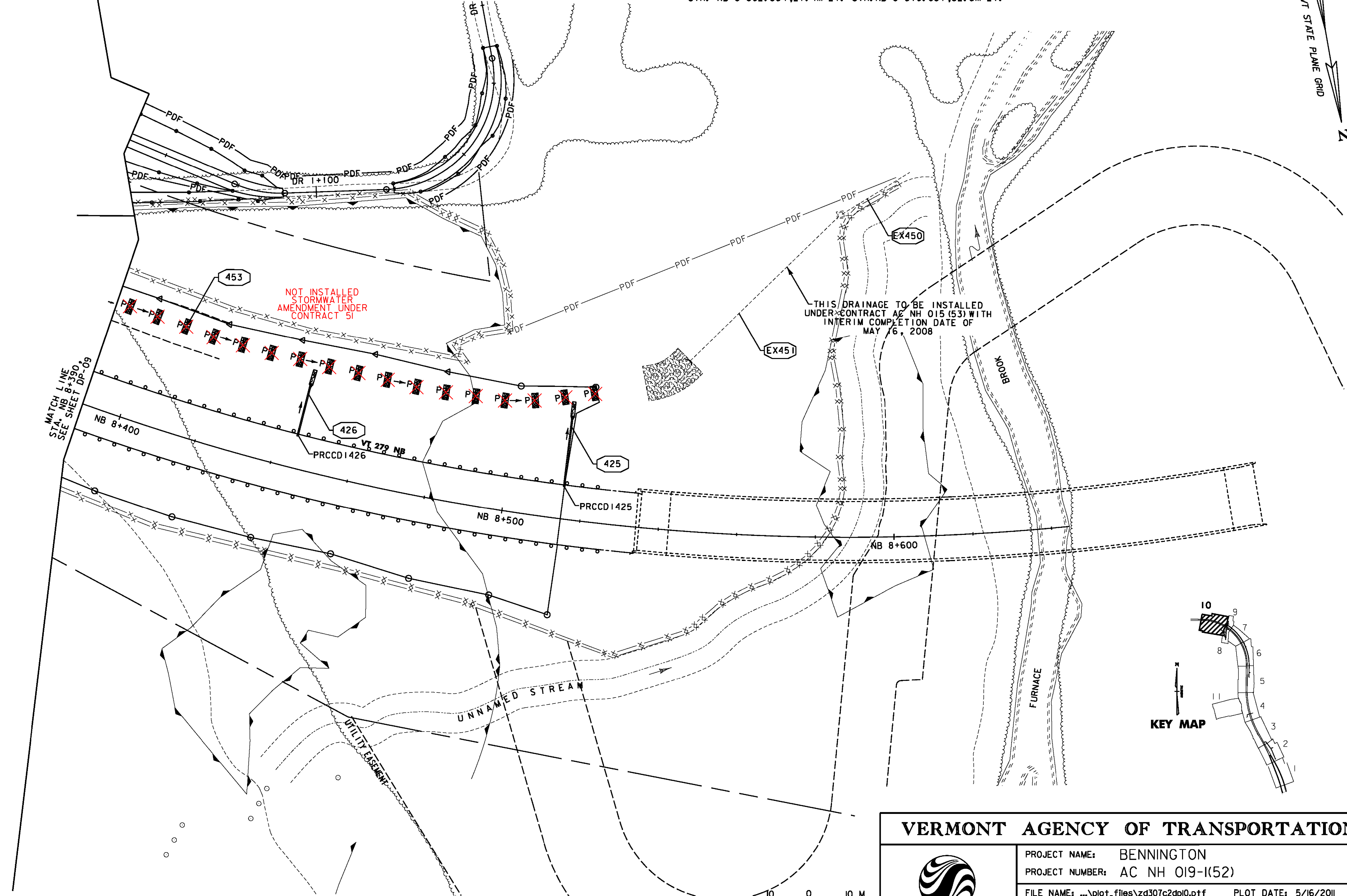
NEW DRAINAGE STRUCTURES		
STRUCTURE #	LOCATION	COMMENTS
PRCCD1425	NB 8+515.0 LT	PRCCD1
PRCCD1426	NB 8+445.0 LT	PRCCD1

NOTES:
 1. SEE EROSION PREVENTION AND SEDIMENT CONTROL DETAIL SHEETS FOR DIMENSIONS AND CONSTRUCTION DETAILS OF STONE OUTLET PROTECTION.

NEW DRAINAGE PIPES		
PIPE #	LOCATION	COMMENTS
425	NB 8+515.0 LT	300 X 25.2 m OPTION 2 SLOPE DRAIN CONST. 600mm PIPE COUPLING BANDS CONST. END SECTION AT OUTLET CONST. STONE FILL TYPE II AT OUTLET
426	NB 8+445.0 LT	300 X 15.0 m OPTION 2 SLOPE DRAIN CONST. 600mm PIPE COUPLING BANDS CONST. END SECTION AT OUTLET CONST. STONE FILL TYPE II AT OUTLET

EXISTING DRAINAGE PIPES		
PIPE #	LOCATION	COMMENTS
EX450	NB 8+544.9 LT - NB 8+586.0 LT	RETAIN EXISTING DRAINAGE PIPE AND HEADWALL CONSTRUCTED UNDER AC NH 015 (53)
EX451	NB 8+586.0 LT - NB 8+606.9 LT	RETAIN EXISTING DRAINAGE PIPE AND INLET CONSTRUCTED UNDER AC NH 015 (53)

~~PERMANENT STONE CHECK DAMS, TYPE I~~
~~STA. NB 8+392.354+27.4m LT. STA. NB 8+519.031+32.5m LT.~~



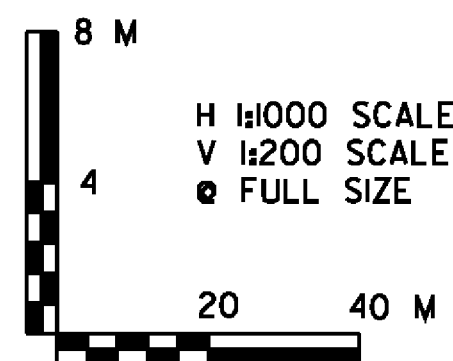
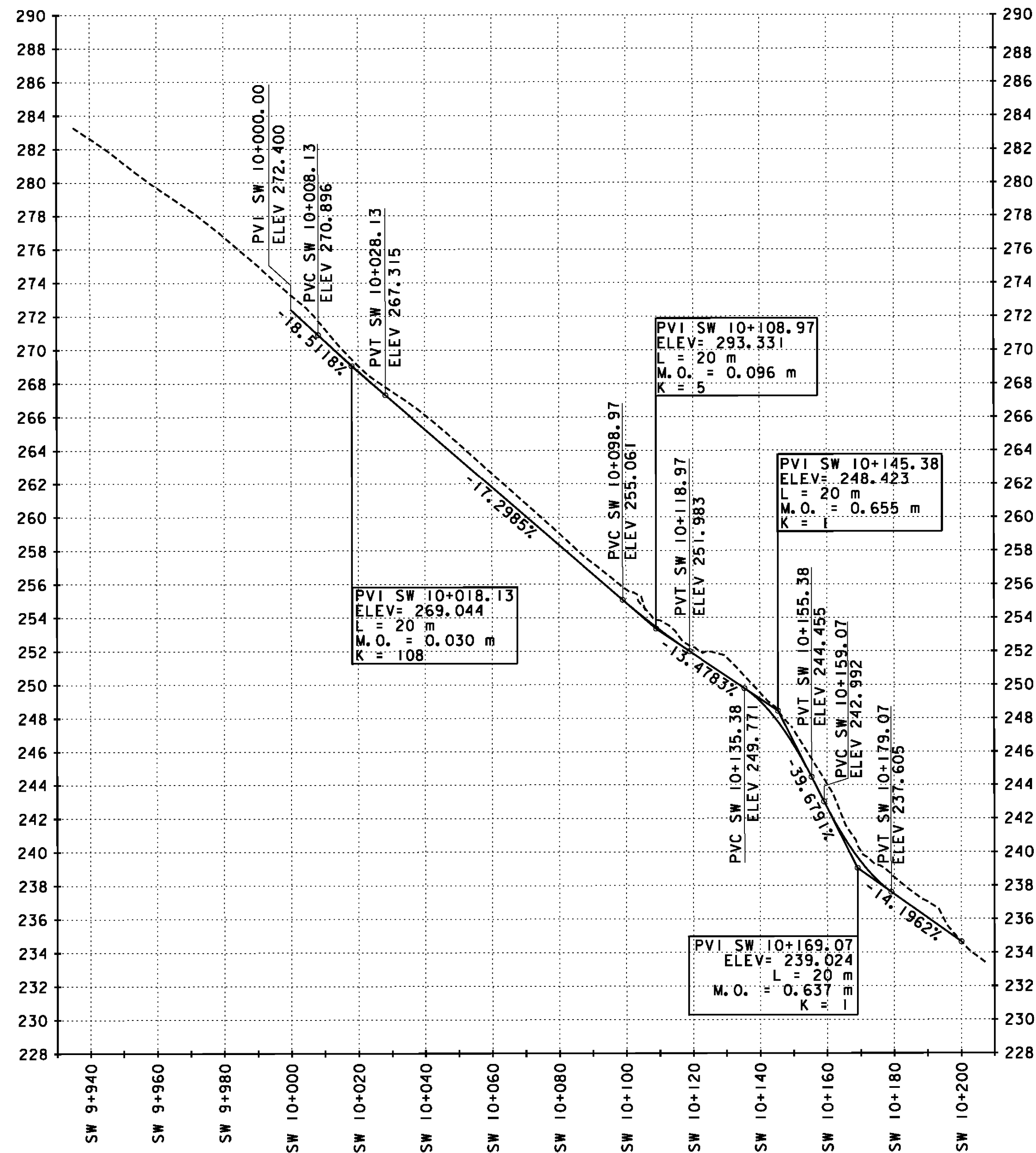
VERMONT AGENCY OF TRANSPORTATION



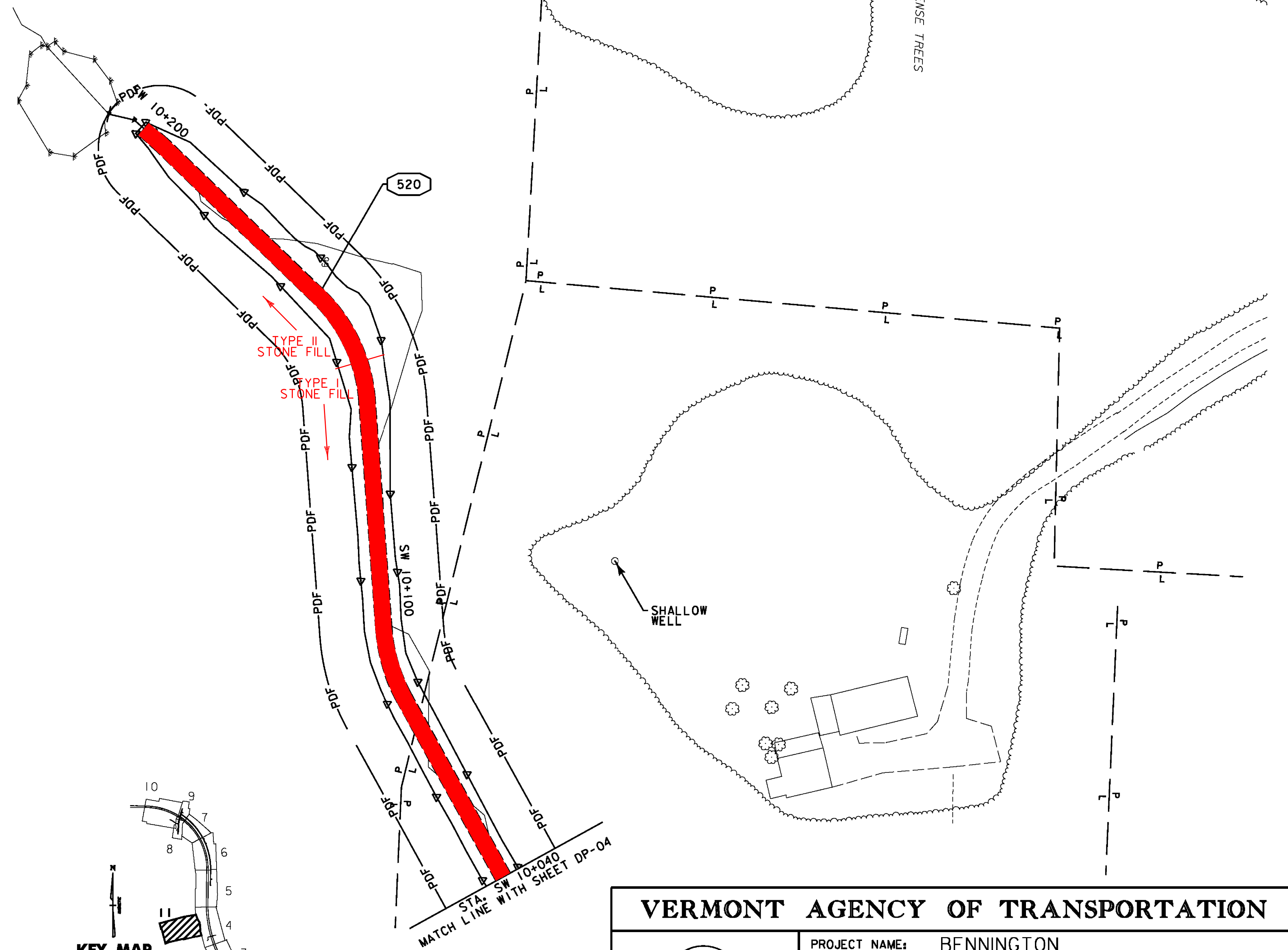
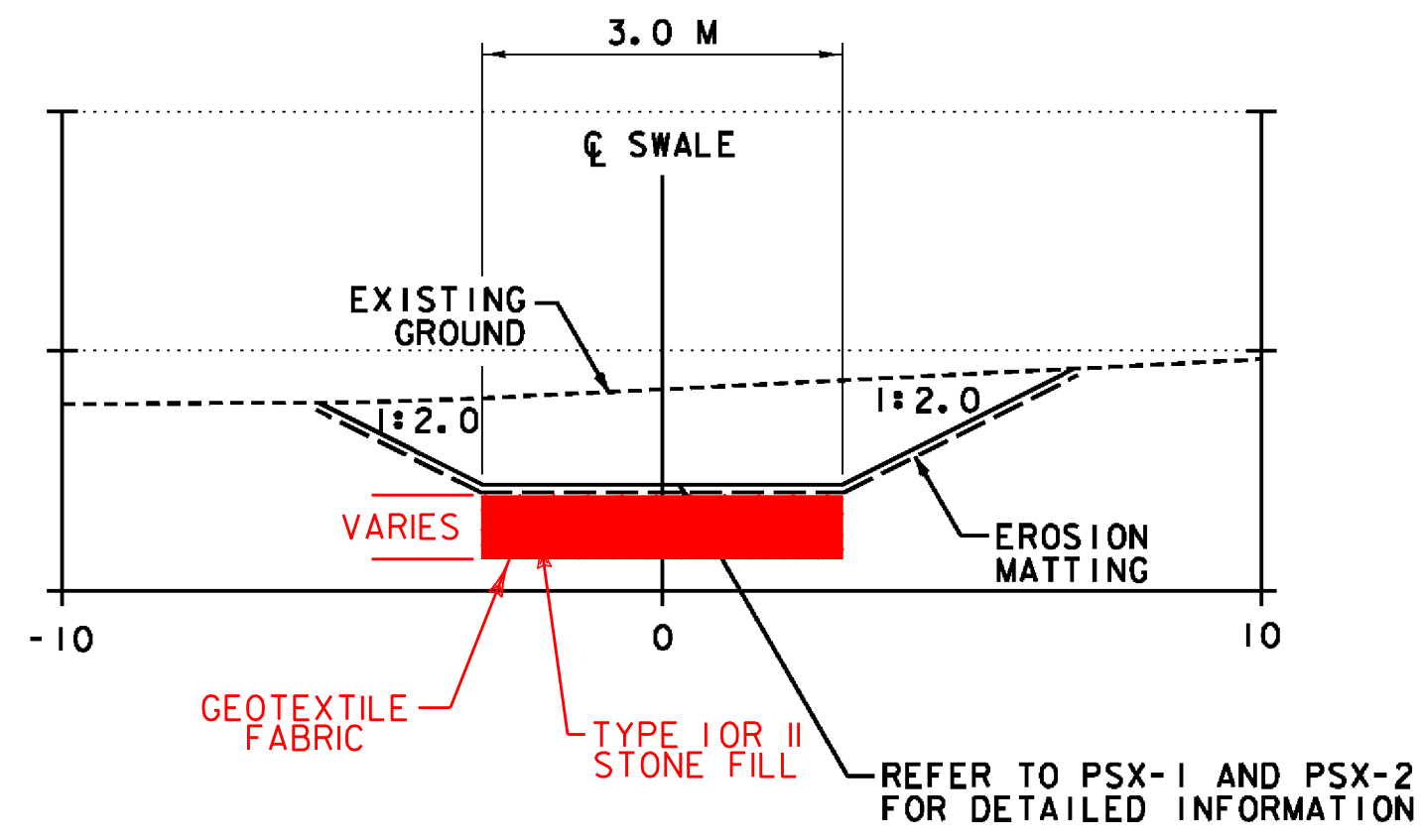
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PROJECT NUMBER:	AC NH 019-1(52)	DESIGN SUPERVISOR:	GREG EDWARDS	DRAWN BY:	STANTEC
		DESIGNED BY:	MARC FOISY	CHECKED BY:	GARY SANTY
		DRAINAGE PLAN DP-10		SHEET	90 OF 267

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SWALE PROFILE



TYPICAL SWALE SECTION



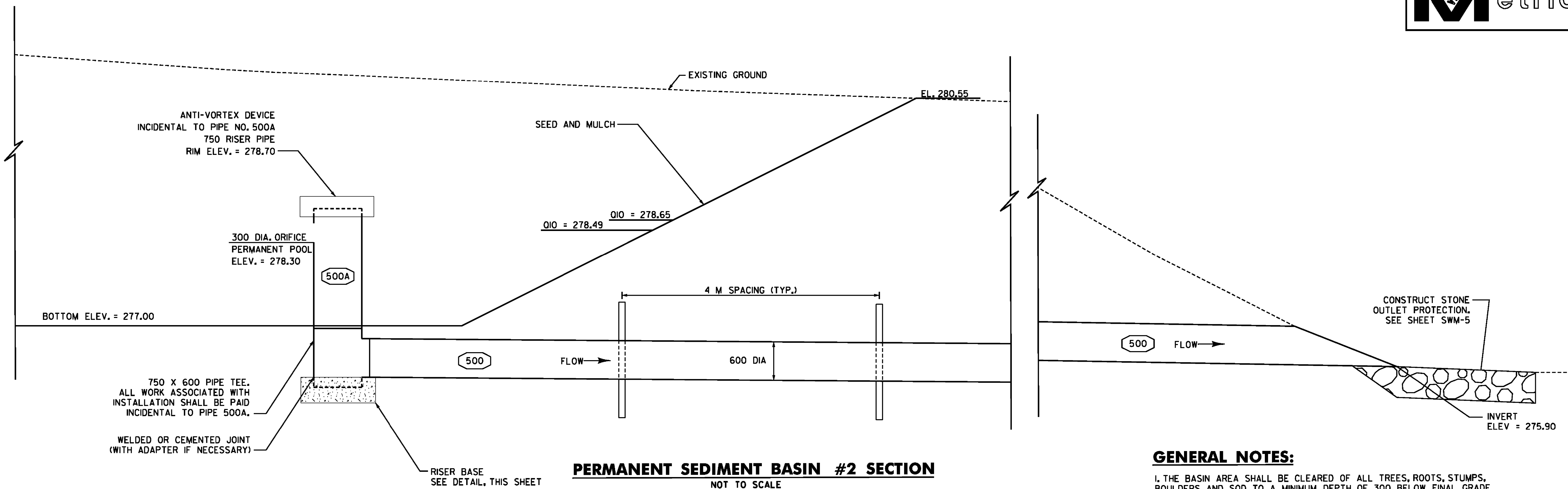
KEY MAP



VERMONT AGENCY OF TRANSPORTATION

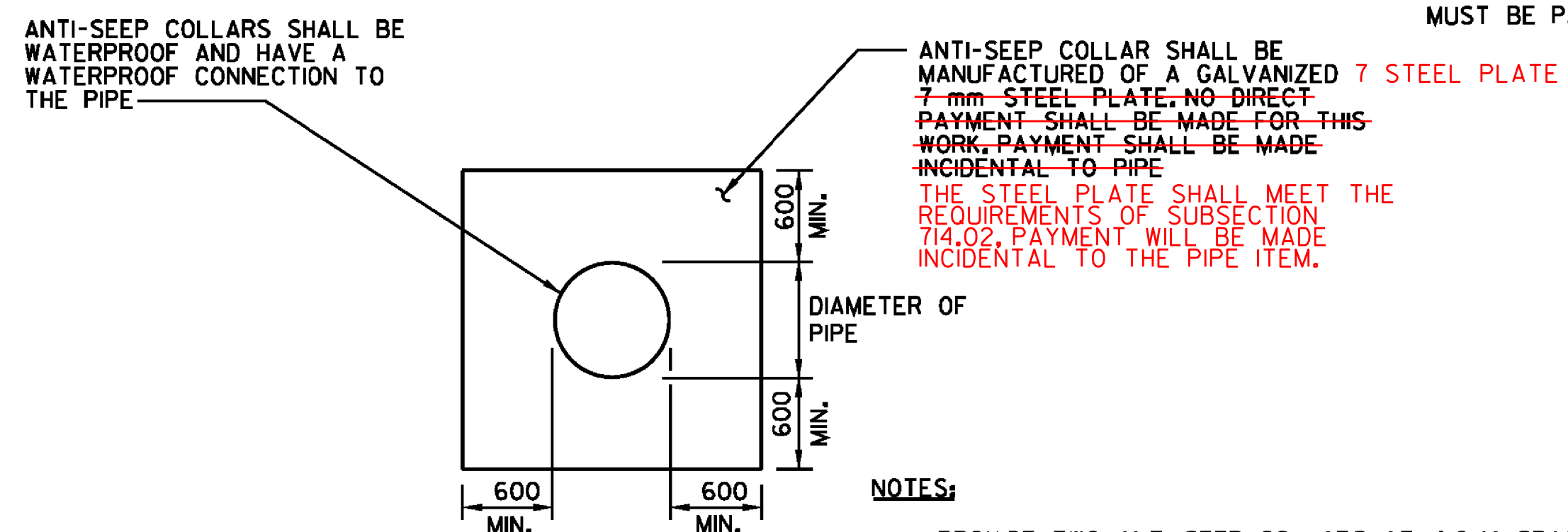
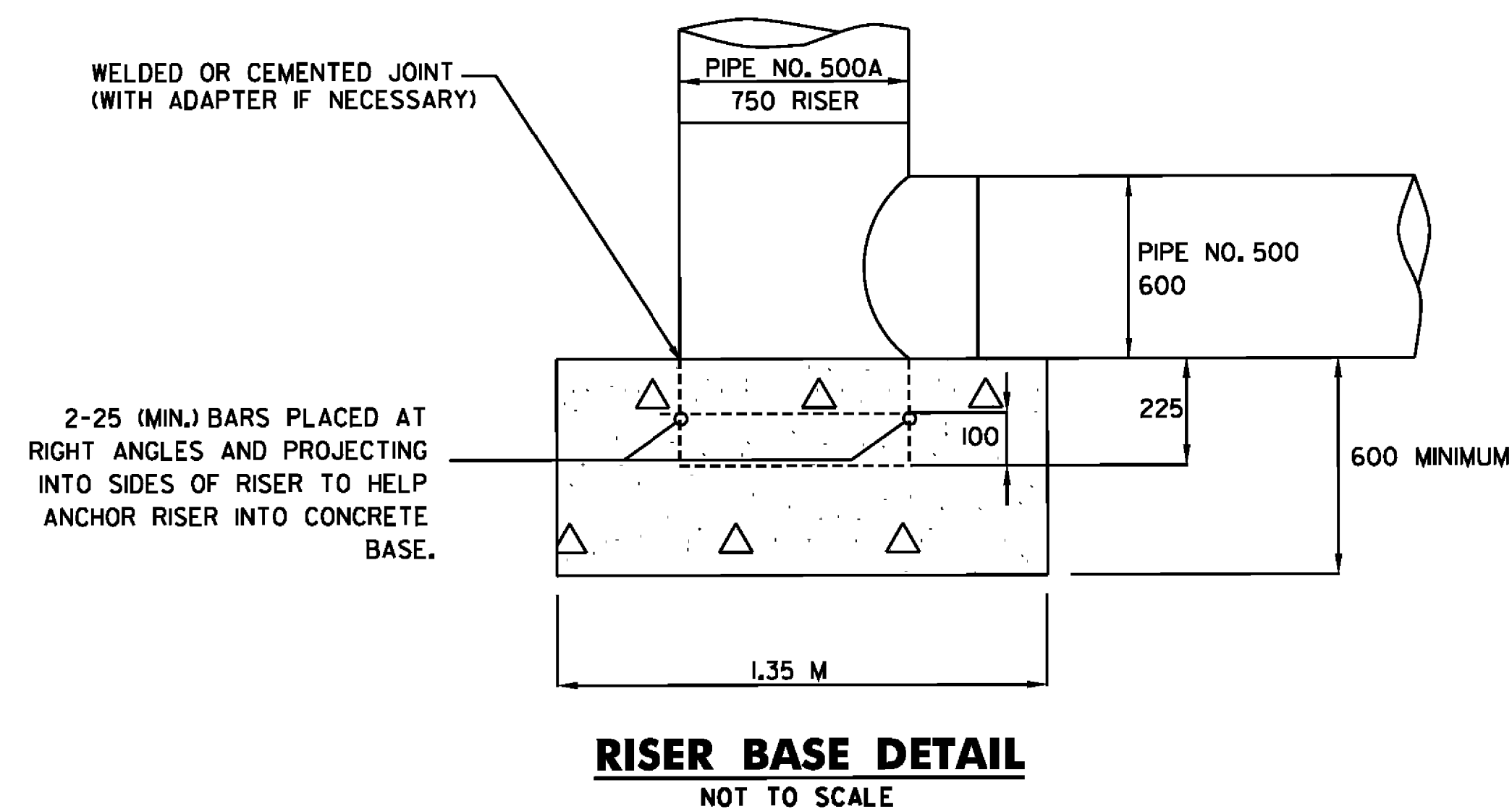


PROJECT NAME:	BENNINGTON	PLOT DATE:	5/16/2011
PROJECT NUMBER:	AC NH 019-1(52)	DRAWN BY:	STANTEC
FILE NAME:	... \plot_files\zd307c2dpl.ptf	CHECKED BY:	GARY SANTY
DESIGN SUPERVISOR:	GREG EDWARDS	DRAINAGE PLAN	DP-11
DESIGNED BY:	MARC FOISY	SHEET	91 OF 267



GENERAL NOTES:

1. THE BASIN AREA SHALL BE CLEARED OF ALL TREES, ROOTS, STUMPS, BOULDERS AND SOD TO A MINIMUM DEPTH OF 300 BELOW FINAL GRADE. THIS WORK SHALL BE INCIDENTAL TO ITEM 201.10 - CLEARING AND GRUBBING
2. SEED AND MULCH ALL EARTH SLOPES WITHIN 24 HOURS OF COMPLETION OF FINAL GRADING. STABILIZE THE INLET AREA WITH REQUIRED EROSION CONTROL MEASURES. SEE EPSC SHEETS.
3. RISER BASE SHALL BE PAID FOR AS ITEM 541.25 - CONCRETE, CLASS B AND ITEM 507.15 REINFORCING STEEL.
4. THE CONCRETE BASE SHALL BE POURED IN SUCH A MANNER TO INSURE THAT THE CONCRETE FILLS THE BOTTOM OF THE RISER TO THE INVERT OF THE OUTLET PIPE TO PREVENT THE RISER FROM BREAKING AWAY FROM THE BASE.
5. IF THE RISER PIPE IS ALUMINUM OR ALUMINIZED PIPE THE EMBEDDED SECTION MUST BE PAINTED WITH CHROMATE OR EQUIVALENT.

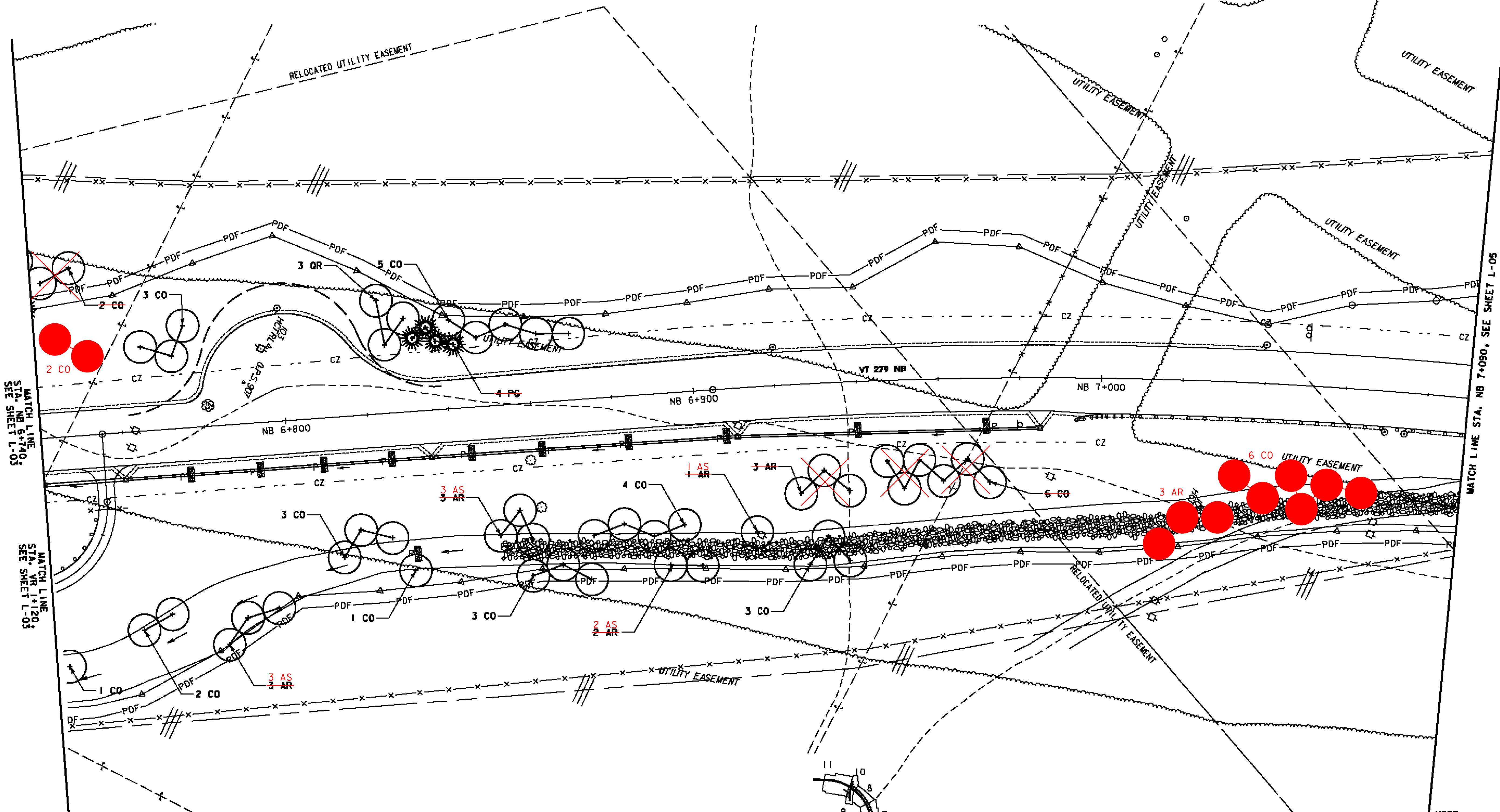
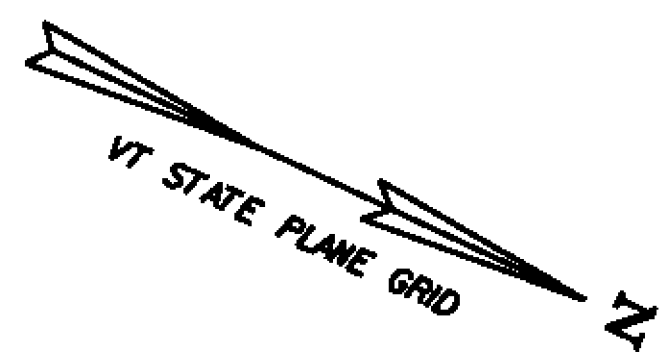


SECTION A-A
ANTI-SEEP COLLAR DETAIL
NOT TO SCALE

VERMONT AGENCY OF TRANSPORTATION



PROJECT NAME: BENNINGTON
PROJECT NUMBER: AC NH 019-1(52)
FILE NAME: ...\\plot.files\zd307c2det.swm.ptf PLOT DATE: 5/16/2011
DESIGN SUPERVISOR: GREG EDWARDS DRAWN BY: STANTEC
DESIGNED BY: MARC FOISY CHECKED BY: GARY SANTY
STORMWATER MANAGEMENT DETAILS SWM-3 SHEET 102 OF 267



MATCH LINE
STA. NB 6+740
SEE SHEET L-03

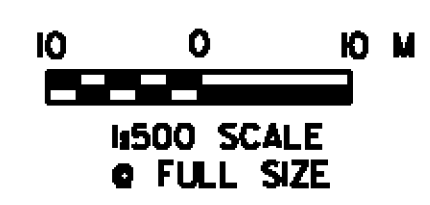
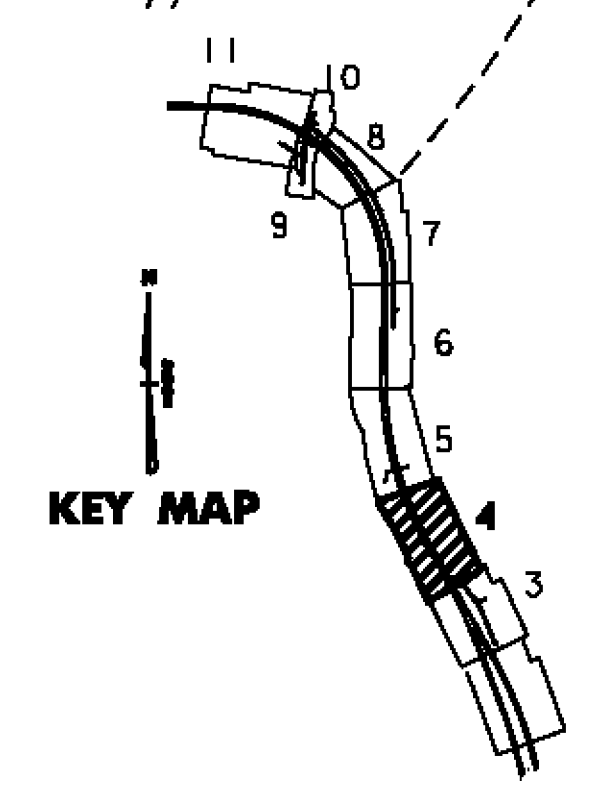
MATCH LINE
STA. NB 6+120
SEE SHEET L-03

MATCH LINE STA. NB 7+090, SEE SHEET L-05

NOTE:
THIS SHEET TO BE USED FOR
LANDSCAPING INFORMATION ONLY

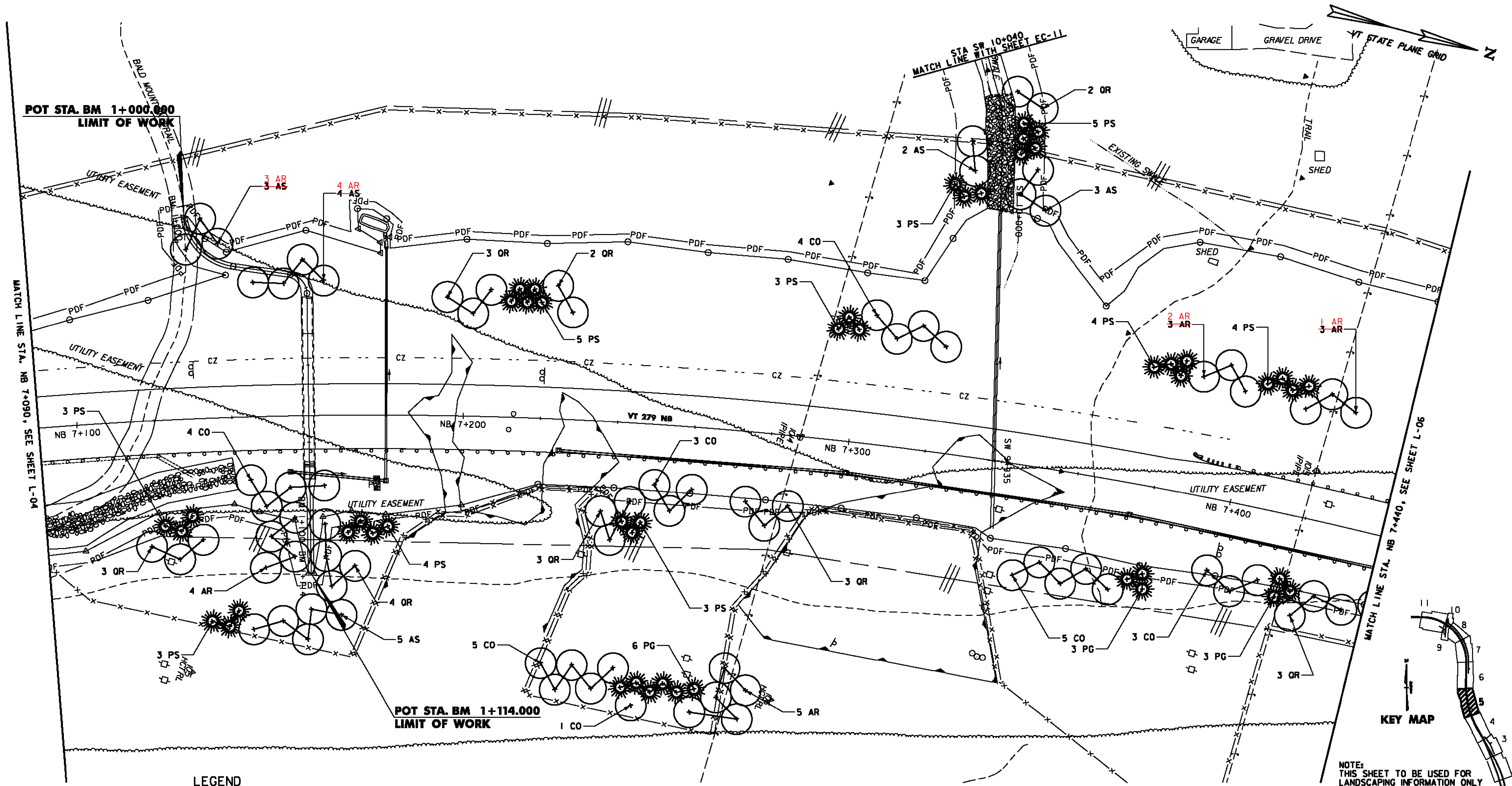
LEGEND

- | | | | |
|-----------|---|--|-----------------------------------|
| AMC.01(9) | DECIDUOUS SHRUB GROUPING WITH PLANT TYPE AND (QUANTITY) | | EXISTING DECIDUOUS TREE |
| AR.01(3) | DECIDUOUS TREE GROUPING WITH PLANT TYPE AND (QUANTITY) | | EXISTING EVERGREEN TREE |
| AC.01(4) | EVERGREEN TREE GROUPING WITH PLANT TYPE AND (QUANTITY) | | TOE OF SLOPE |
| | | | LIMIT OF CUT |
| | | | APPROXIMATE ULTIMATE TOE OF SLOPE |
| | | | APPROXIMATE ULTIMATE LIMIT OF CUT |
| | | | TREELINE |
| | | | R.O.W. |



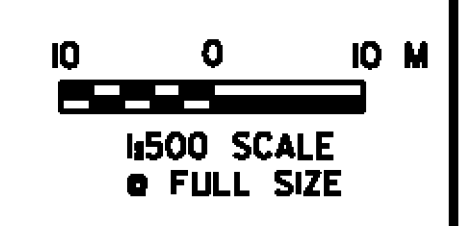
VERMONT AGENCY OF TRANSPORTATION	
DuBois & King INC.	
PROJECT NAME:	BENNINGTON - NORTH
PROJECT NUMBER:	BENNINGTON AC NH 019-(152)
FILE NAME:	\\DGN\zd307c2p03.p1f
DESIGN SUPERVISOR:	J. BENSON
DESIGNED BY:	J. STEELE/C. BRODIE
LANDSCAPE PLAN:	L-04
PLOT DATE:	12/10/2007
DRAWN BY:	E. SMALL
CHECKED BY:	J. STEELE
SHEET:	143 OF

I:\R463PC\CONTRACT NO 2\DRN\zd307c2p03.p1f



LEGEND

	DECIDUOUS SHRUB GROUPING WITH PLANT TYPE AND (QUANTITY)		EXISTING DECIDUOUS TREE
	DECIDUOUS TREE GROUPING WITH PLANT TYPE AND (QUANTITY)		EXISTING EVERGREEN TREE
	EVERGREEN TREE GROUPING WITH PLANT TYPE AND (QUANTITY)		TOE OF SLOPE
			LIMIT OF CUT
			APPROXIMATE ULTIMATE TOE OF SLOPE
			APPROXIMATE ULTIMATE LIMIT OF CUT
			TREELINE
			R.O.W.

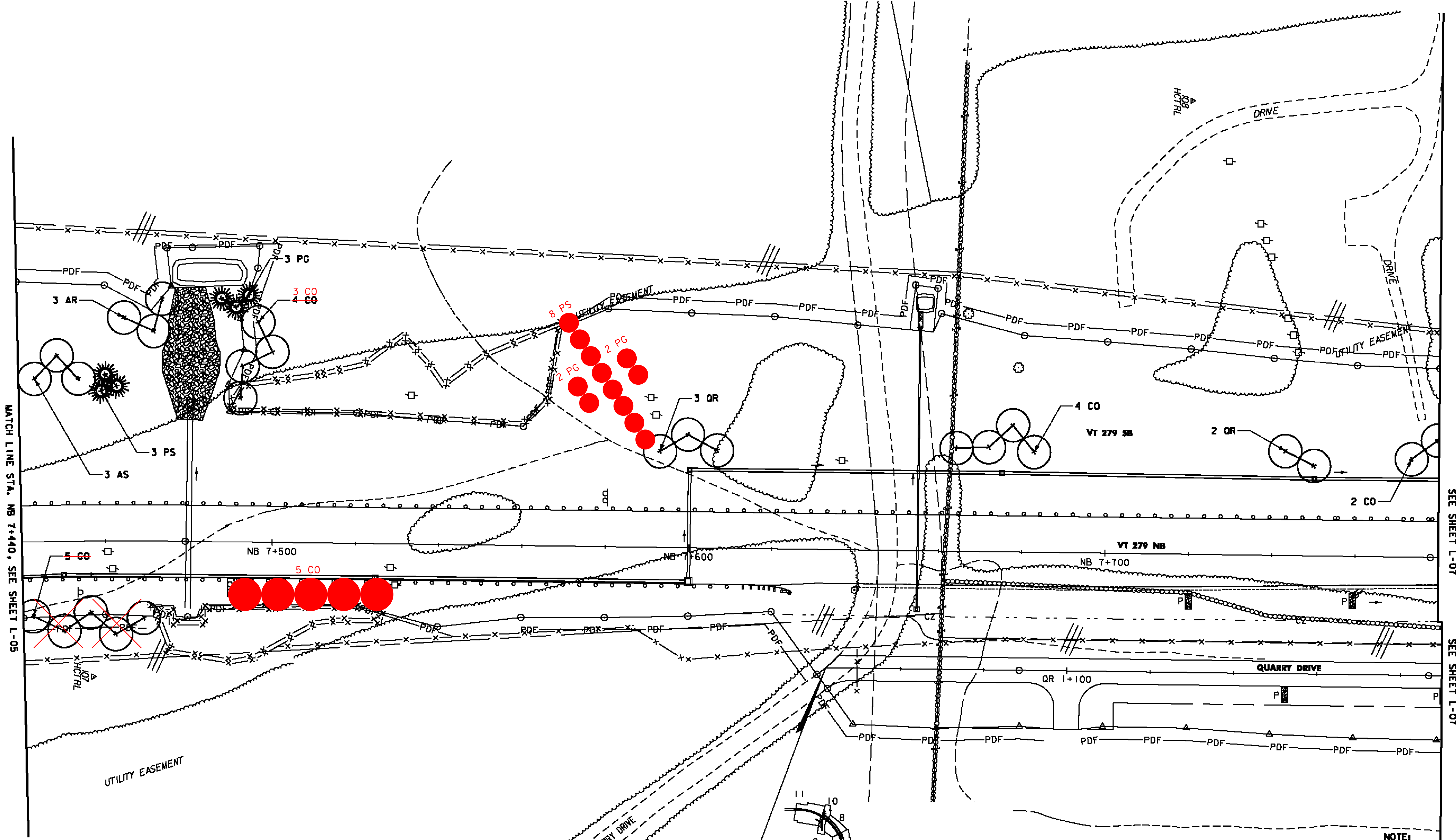


VERMONT AGENCY OF TRANSPORTATION



PROJECT NAME:	BENNINGTON - NORTH	PLANT DATE:	12/10/2007
PROJECT NUMBER:	BENNINGTON AC NH 019-1(52)	DESIGN SUPERVISOR:	J. BENSON
FILE NAME:	\\DGN\zd307c2p04.p1f	DESIGNED BY:	J. STEELE/C. BRODIE
LANDSCAPE PLAN:	L-05	CHECKED BY:	J. STEELE
			SHEET 144 OF

18/3463PC CONTRACT NO. 2306N303070204.d1f



MATCH LINE STA. NB 7+440, SEE SHEET L-05

MATCH LINE STA. NB 7+780, SEE SHEET L-07

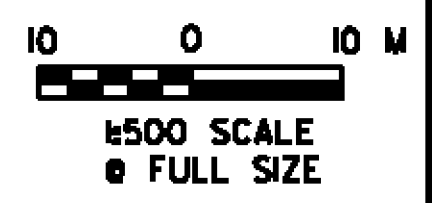
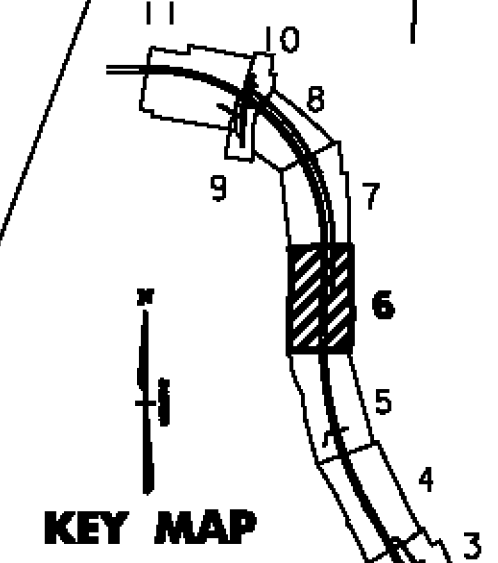
MATCH LINE STA. QR 1+190, SEE SHEET L-07

NOTE: THIS SHEET TO BE USED FOR LANDSCAPING INFORMATION ONLY

LEGEND

- | | | | |
|-----------|---|--|-----------------------------------|
| AMC.O1(9) | DECIDUOUS SHRUB GROUPING WITH PLANT TYPE AND (QUANTITY) | | EXISTING DECIDUOUS TREE |
| AR.O1(3) | DECIDUOUS TREE GROUPING WITH PLANT TYPE AND (QUANTITY) | | EXISTING EVERGREEN TREE |
| AC.O1(4) | EVERGREEN TREE GROUPING WITH PLANT TYPE AND (QUANTITY) | | TOE OF SLOPE |
| | | | LIMIT OF CUT |
| | | | APPROXIMATE ULTIMATE TOE OF SLOPE |
| | | | APPROXIMATE ULTIMATE LIMIT OF CUT |
| | | | TREELINE |
| | | | R.O.W. |

POT STA. QR 1+042.037
LIMIT OF WORK



VERMONT AGENCY OF TRANSPORTATION	
DuBois & King INC.	
PROJECT NAME: BENNINGTON - NORTH	PLOT DATE: 12/10/2007
PROJECT NUMBER: BENNINGTON AC NH 019-(152)	DRAWN BY: E. SMALL
FILE NAME: \\DGN\zd307c2p05.p1f	DESIGNED BY: J. STEELE/C. BRODIE
DESIGN SUPERVISOR: J. BENSON	CHECKED BY: J. STEELE
LANDSCAPE PLAN L-06	SHEET 145 OF

1498463PC CONTRACT NO. 2 UDRN\zd307c2p05.p1f

LEGEND

- AMC.O1(9) DECIDUOUS SHRUB GROUPING WITH PLANT TYPE AND (QUANTITY)
- AR.O1(3) DECIDUOUS TREE GROUPING WITH PLANT TYPE AND (QUANTITY)
- AC.O1(4) EVERGREEN TREE GROUPING WITH PLANT TYPE AND (QUANTITY)
- EXISTING DECIDUOUS TREE
- EXISTING EVERGREEN TREE
- TOE OF SLOPE
- LIMIT OF CUT
- APPROXIMATE ULTIMATE TOE OF SLOPE
- APPROXIMATE ULTIMATE LIMIT OF CUT
- TREELINE
- R.O.W.

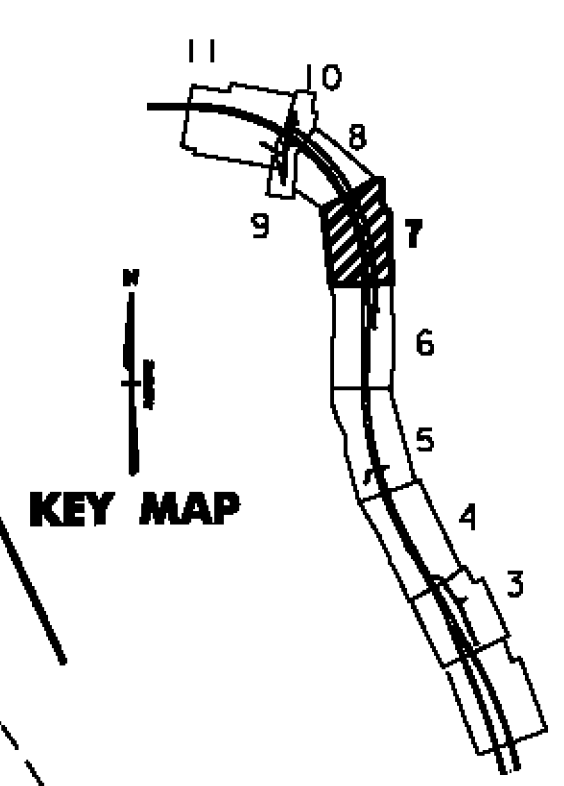


MATCH LINE
STA. NB 7+780
SEE SHEET L-06

MATCH LINE
STA. QR 1+190
SEE SHEET L-06

MATCH LINE
STA. NB 8+050
SEE SHEET L-06

MATCH LINE
STA. QR 1+510
SEE SHEET L-06

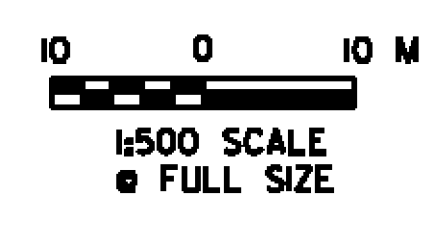


NOTE:
THIS SHEET TO BE USED FOR
LANDSCAPING INFORMATION ONLY

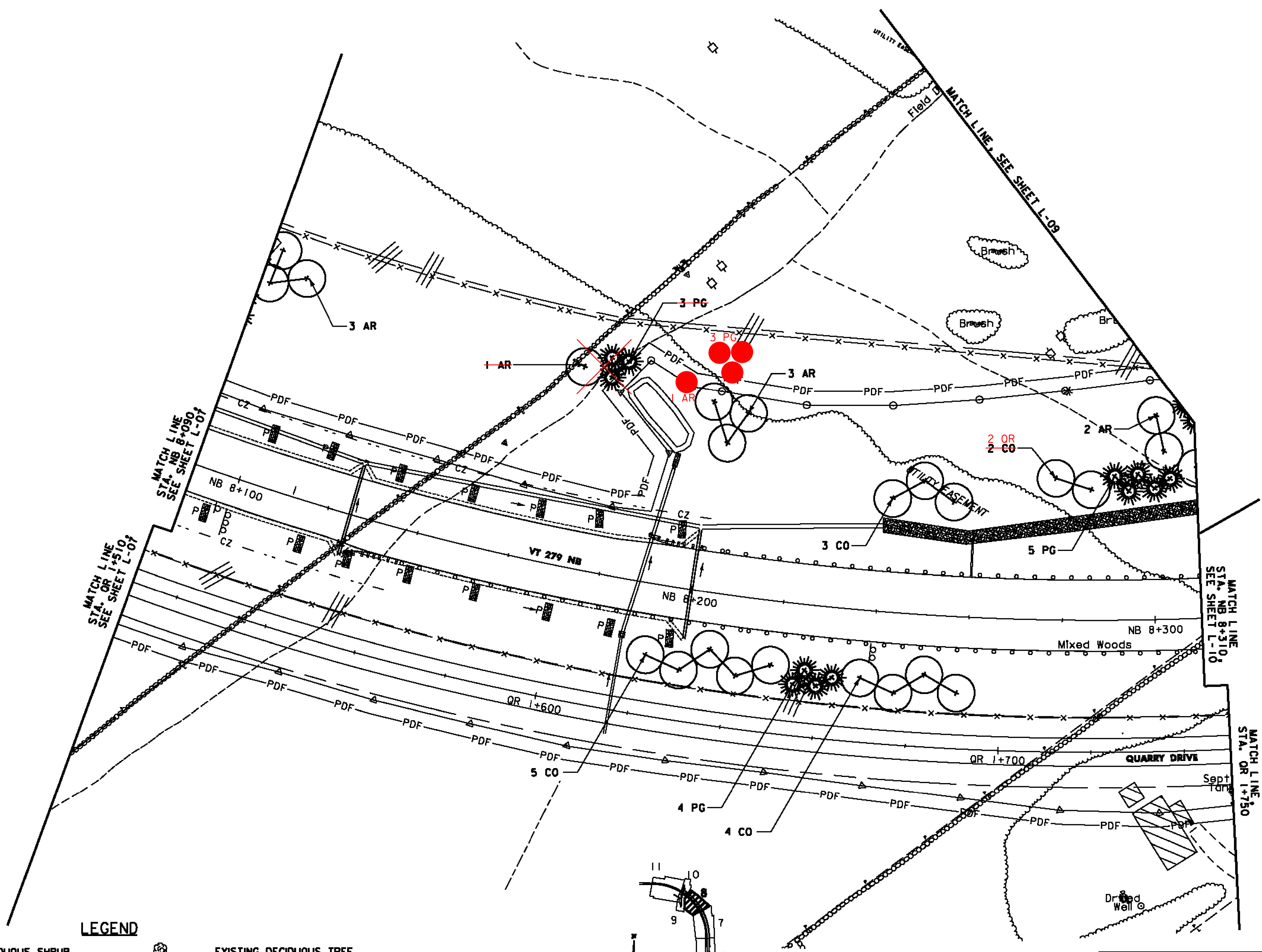
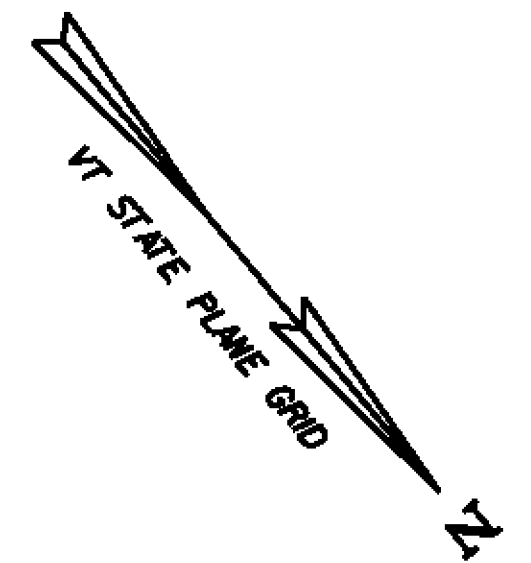
VERMONT AGENCY OF TRANSPORTATION



PROJECT NAME:	BENNINGTON - NORTH
PROJECT NUMBER:	BENNINGTON AC NH 019-1(52)
FILE NAME:	\\DGN\zd307c2p06.p1f
DESIGN SUPERVISOR:	J. BENSON
DESIGNED BY:	J. STEELE/C. BRODIE
LANDSCAPE PLAN:	L-07
PLOT DATE:	12/10/2007
DRAWN BY:	E. SMALL
CHECKED BY:	J. STEELE
SHEET:	146 OF



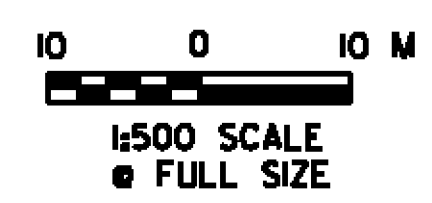
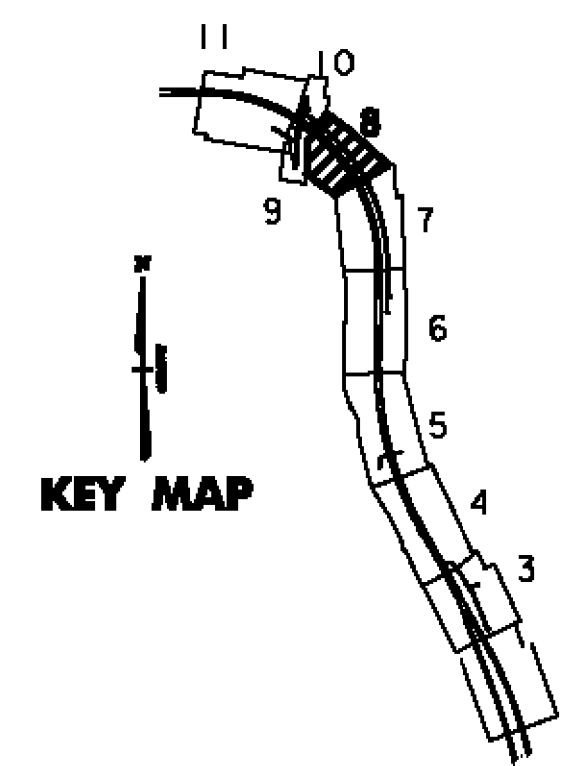
149463PC/CONTRACT NO. 2UD0Nvd307c2p06.p1f



NOTE:
THIS SHEET TO BE USED FOR
LANDSCAPING INFORMATION ONLY

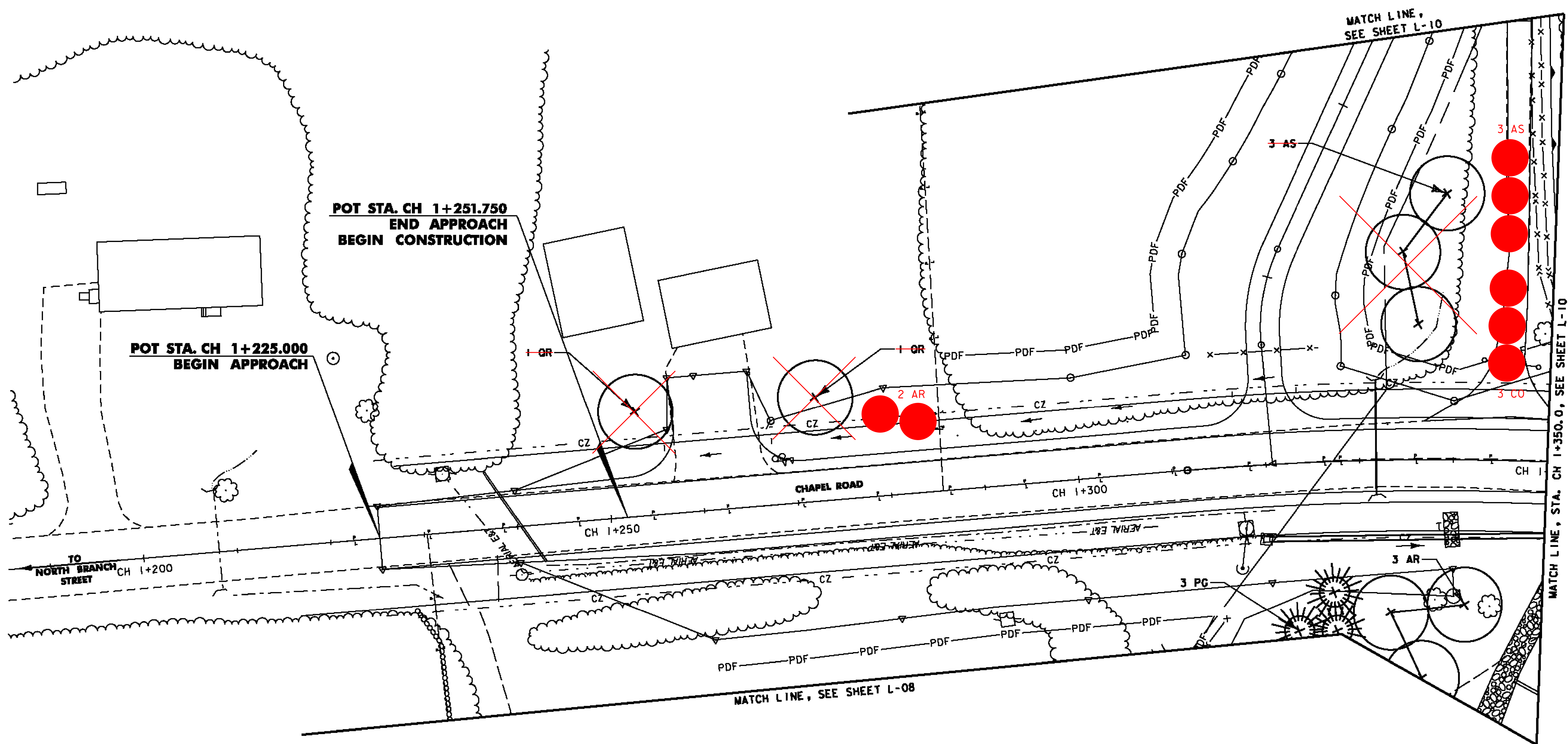
LEGEND

- | | | | |
|------------|---|--|-----------------------------------|
| AMC.01 (9) | DECIDUOUS SHRUB GROUPING WITH PLANT TYPE AND (QUANTITY) | | EXISTING DECIDUOUS TREE |
| AR.01 (3) | DECIDUOUS TREE GROUPING WITH PLANT TYPE AND (QUANTITY) | | EXISTING EVERGREEN TREE |
| AC.01 (4) | EVERGREEN TREE GROUPING WITH PLANT TYPE AND (QUANTITY) | | TOE OF SLOPE |
| | | | LIMIT OF CUT |
| | | | APPROXIMATE ULTIMATE TOE OF SLOPE |
| | | | APPROXIMATE ULTIMATE LIMIT OF CUT |
| | | | TREELINE |
| | | | R.O.W. |



VERMONT AGENCY OF TRANSPORTATION	
DuBois & King INC.	
PROJECT NAME:	BENNINGTON - NORTH
PROJECT NUMBER:	BENNINGTON AC NH 019-1(52)
FILE NAME:	...DGN\zd307c2p07.p1f
DESIGN SUPERVISOR:	J. BENSON
DESIGNED BY:	J. STEELE/C. BRODIE
LANDSCAPE PLAN	L-08
PLOT DATE:	12/10/2007
DRAWN BY:	E. SMALL
CHECKED BY:	J. STEELE
SHEET	147 OF

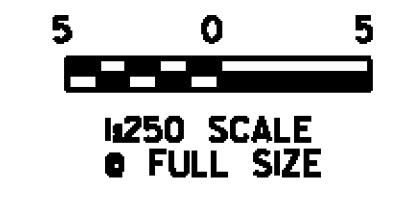
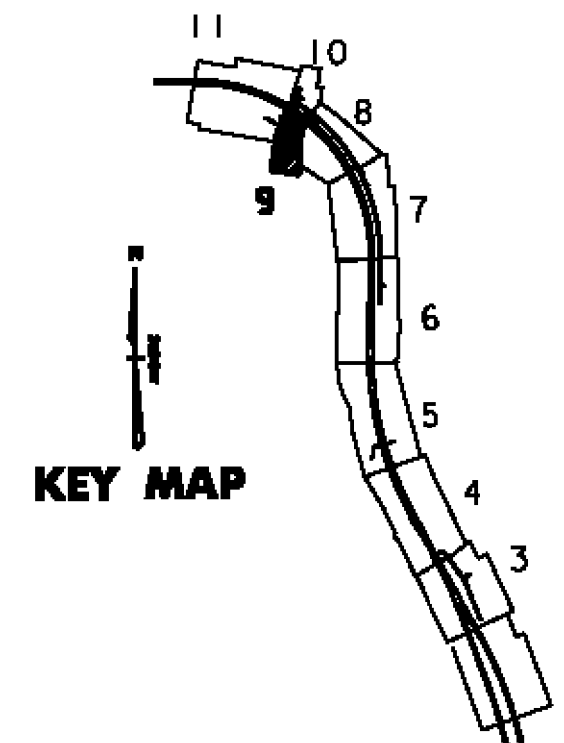
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14946463PC CONTRACT NO. 2\DRN\zd307c2p08.dwg

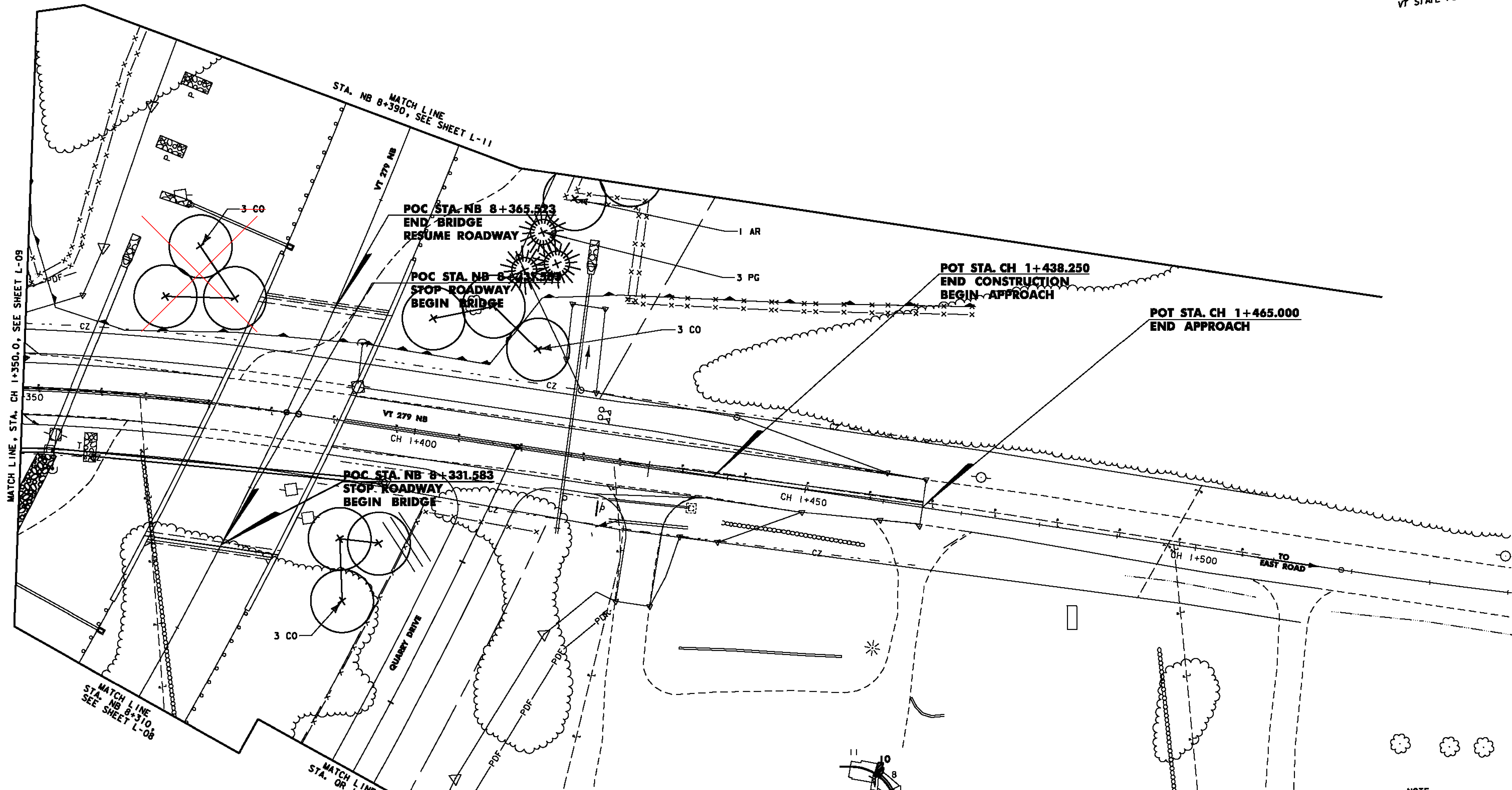
LEGEND

AMC.OI (9)	DECIDUOUS SHRUB GROUPING WITH PLANT TYPE AND (QUANTITY)		EXISTING DECIDUOUS TREE
AR.OI (3)	DECIDUOUS TREE GROUPING WITH PLANT TYPE AND (QUANTITY)		EXISTING EVERGREEN TREE
AC.OI (4)	EVERGREEN TREE GROUPING WITH PLANT TYPE AND (QUANTITY)		TOE OF SLOPE
			LIMIT OF CUT
			APPROXIMATE ULTIMATE TOE OF SLOPE
			APPROXIMATE ULTIMATE LIMIT OF CUT
			TREELINE
			R.O.W.



NOTE:
THIS SHEET TO BE USED FOR
LANDSCAPING INFORMATION ONLY

VERMONT AGENCY OF TRANSPORTATION	
	PROJECT NAME: BENNINGTON - NORTH
	PROJECT NUMBER: BENNINGTON AC NH 019-1(52)
FILE NAME: \\DGN\zd307c2p08.p1f	PLOT DATE: 12/10/2007
DESIGN SUPERVISOR: J. BENSON	DRAWN BY: E. SMALL
DESIGNED BY: J. STEELE/C. BRODIE	CHECKED BY: J. STEELE
LANDSCAPE PLAN L-09	SHEET 148 OF



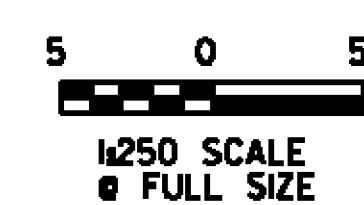
MATCH LINE, STA. CH 1+350.0, SEE SHEET L-09

MATCH LINE STA. NB 8+310, SEE SHEET L-08

MATCH LINE STA. OR 1+750,

LEGEND

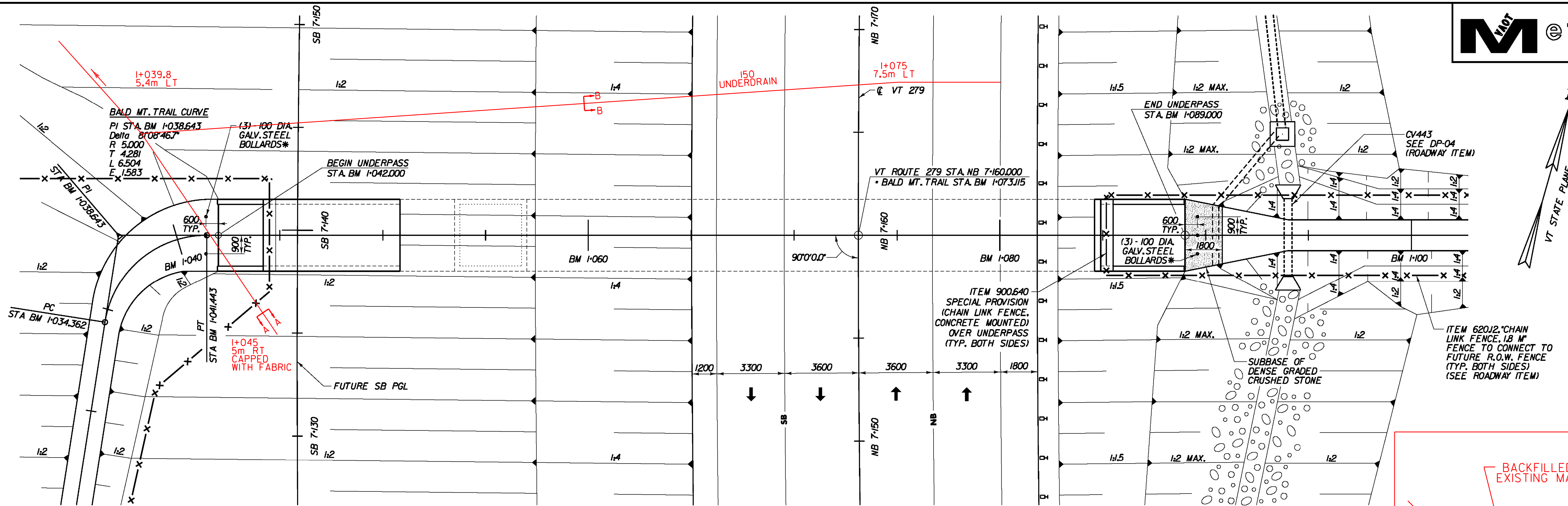
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| AMC.01(9) | DECIDUOUS SHRUB GROUPING WITH PLANT TYPE AND (QUANTITY) | | EXISTING DECIDUOUS TREE |
| AR.01(3) | DECIDUOUS TREE GROUPING WITH PLANT TYPE AND (QUANTITY) | | EXISTING EVERGREEN TREE |
| AC.01(4) | EVERGREEN TREE GROUPING WITH PLANT TYPE AND (QUANTITY) | | TOE OF SLOPE |
| | | | LIMIT OF CUT |
| | | | APPROXIMATE ULTIMATE TOE OF SLOPE |
| | | | APPROXIMATE ULTIMATE LIMIT OF CUT |
| | | | TREELINE |
| | | | R.O.W. |



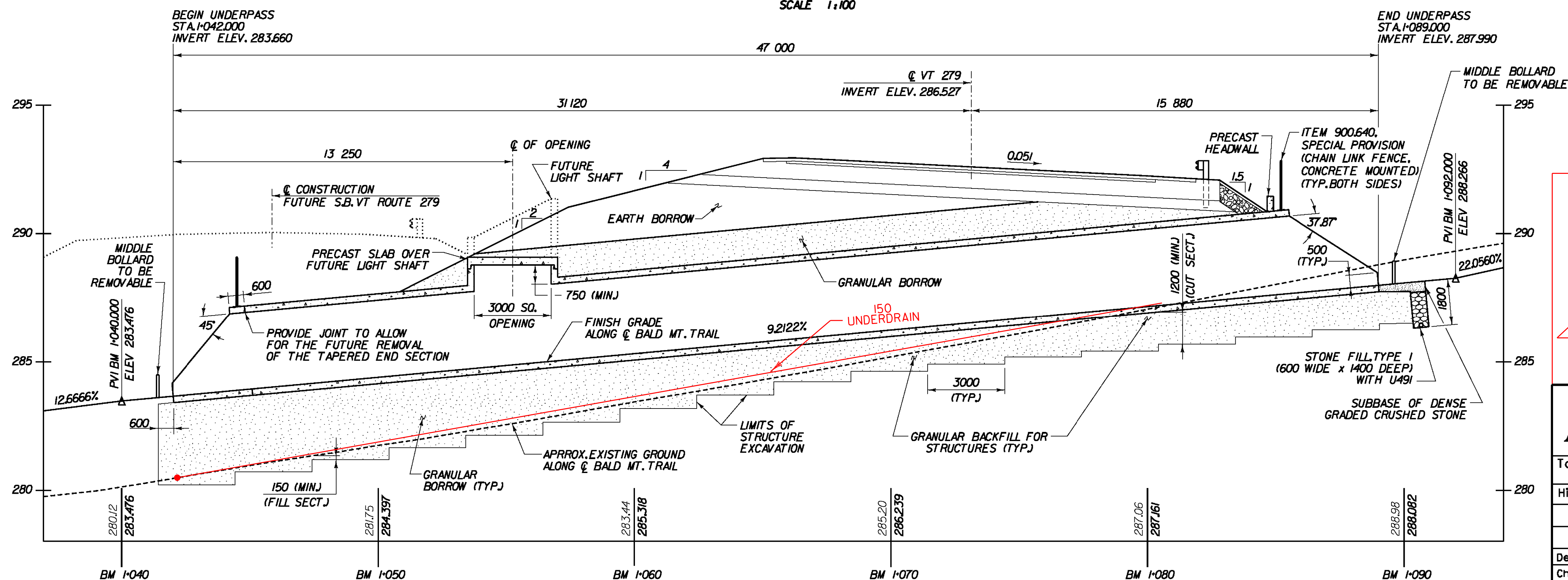
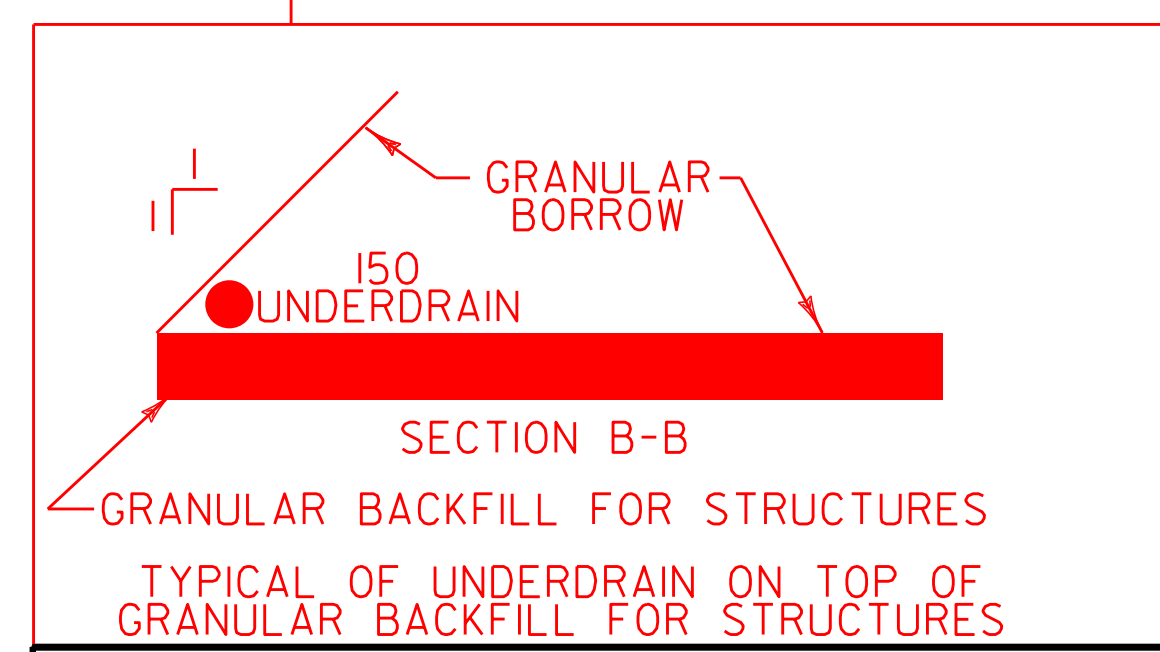
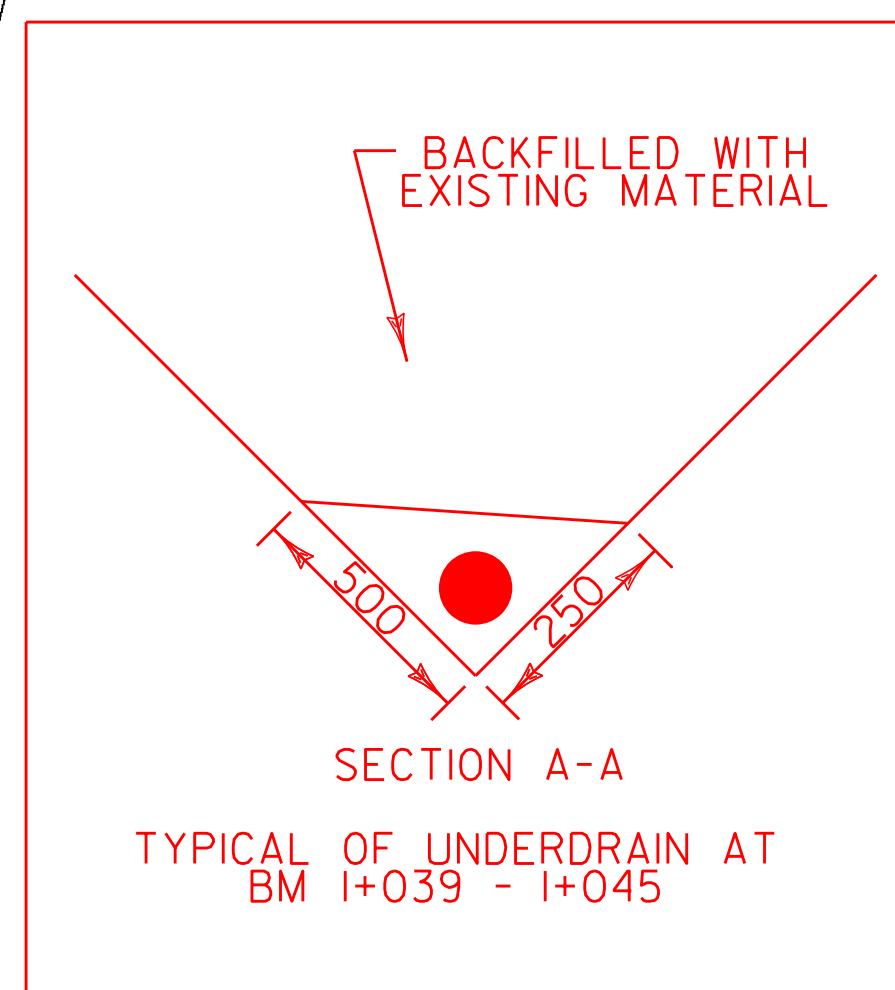
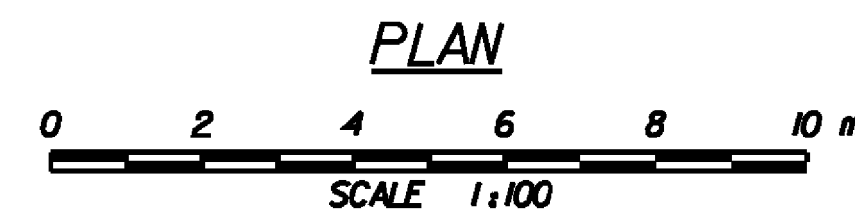
NOTE: THIS SHEET TO BE USED FOR LANDSCAPING INFORMATION ONLY

VERMONT AGENCY OF TRANSPORTATION	
DuBois & King INC.	
PROJECT NAME:	BENNINGTON - NORTH
PROJECT NUMBER:	BENNINGTON AC NH 019-1(52)
FILE NAME:	\\DGN\zd307c2p09.p1f
DESIGN SUPERVISOR:	J. BENSON
DESIGNED BY:	J. STEELE/C. BRODIE
LANDSCAPE PLAN:	L-10
PLOT DATE:	12/10/2007
DRAWN BY:	E. SMALL
CHECKED BY:	J. STEELE
SHEET 149 OF	

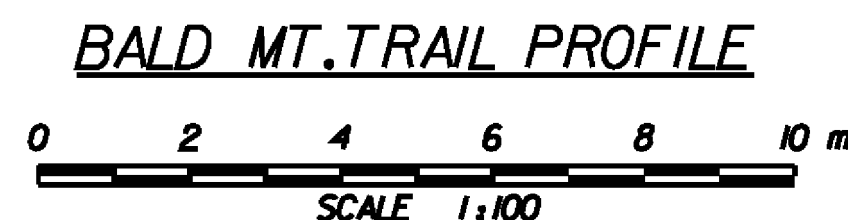
149R463PC CONTRACT NO. 2UDR\zd307c2p09.p1f



*SEE VAOT STANDARD A-80 FOR BOLLARD DETAILS



NOTE: ELEVATIONS SHOWN TO THE NEAREST HUNDREDTH ARE EXISTING GROUND, ELEVATIONS SHOWN TO THE NEAREST THOUSANDTH ARE FINISH GRADE OR ARE INVERT ELEVATION.



**STATE OF VERMONT
AGENCY OF TRANSPORTATION**

Town Of **BENNINGTON** Bridge No. _____
Highway No. _____ Log Sta. _____
Surv. Sta. _____

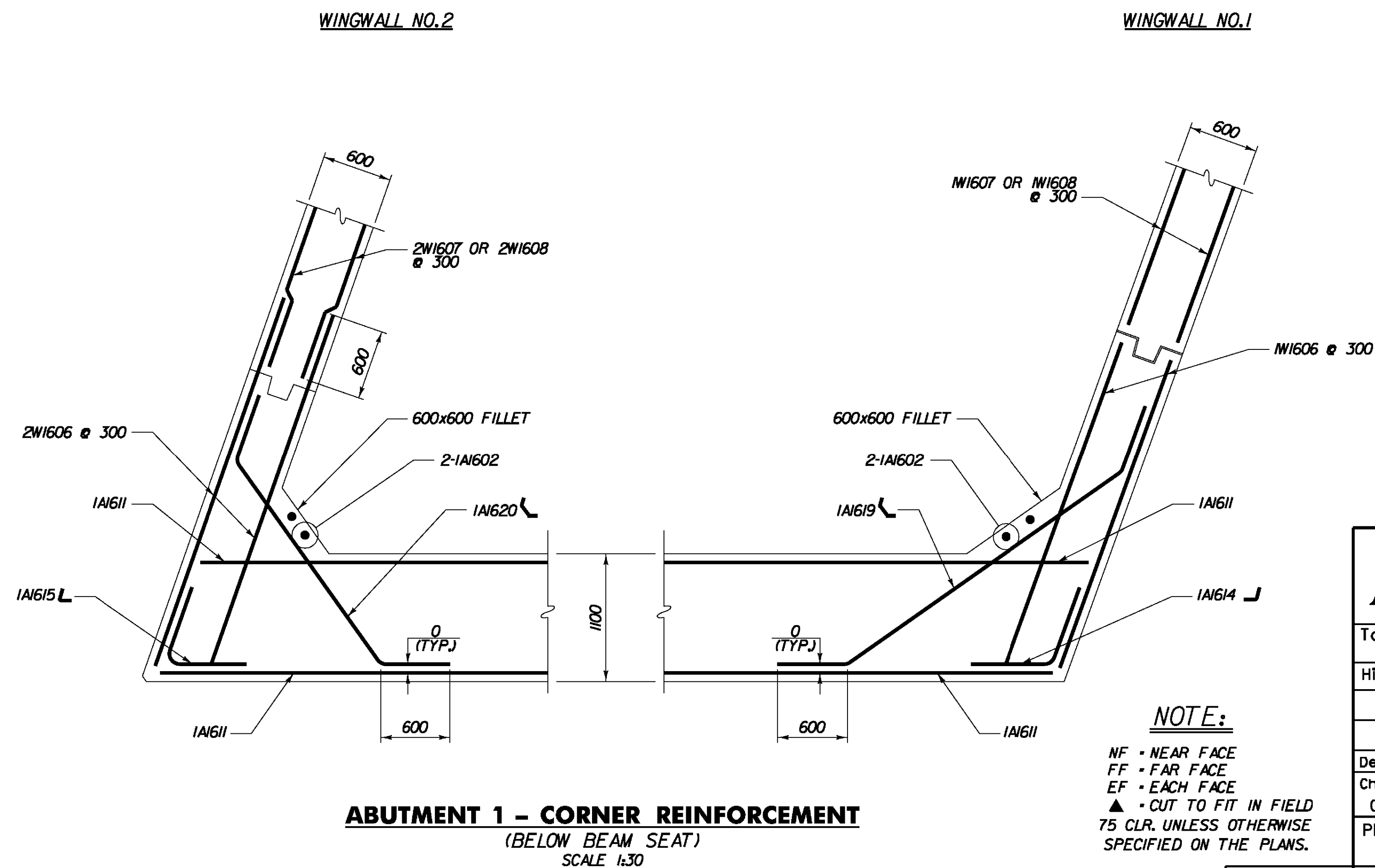
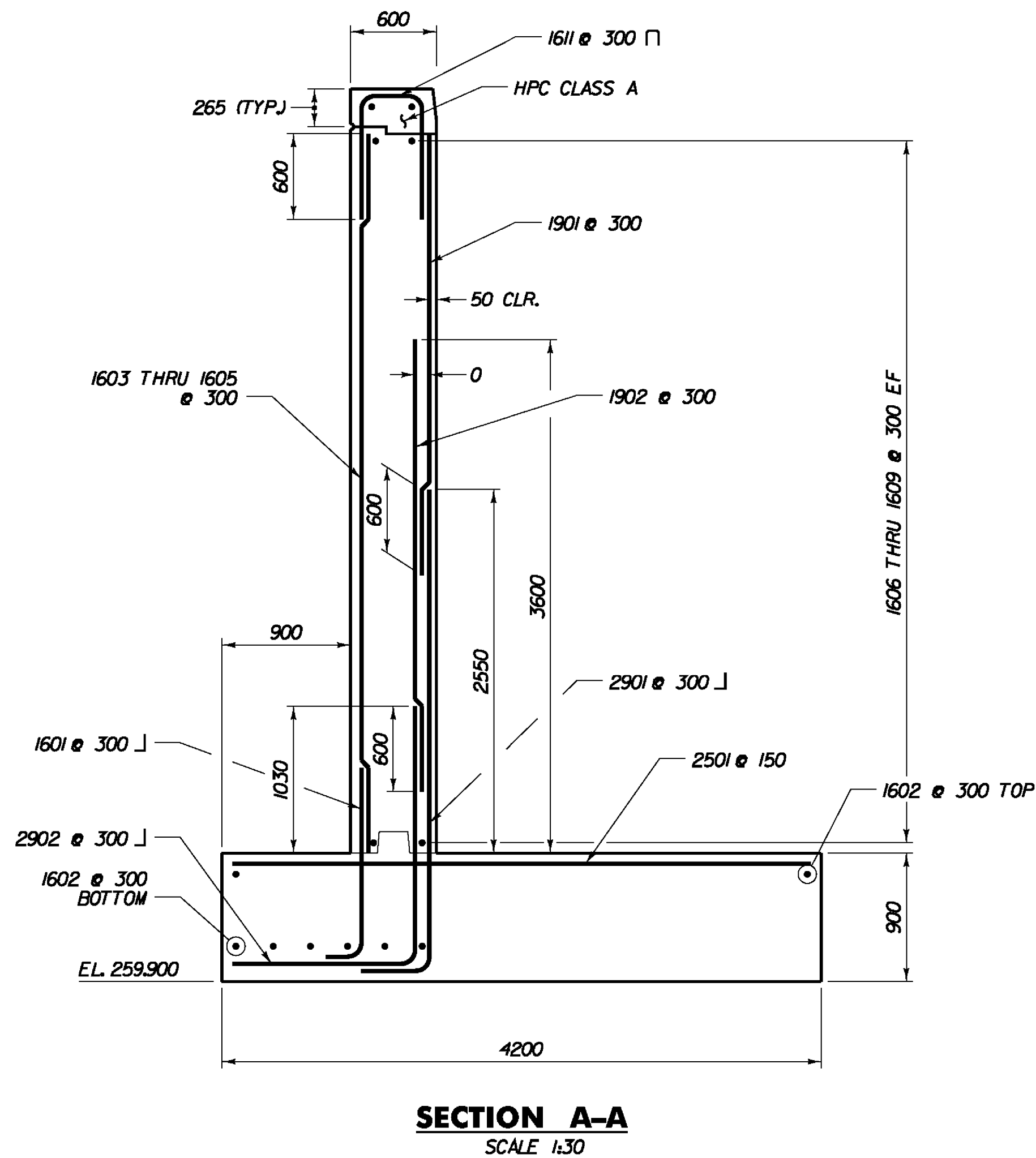
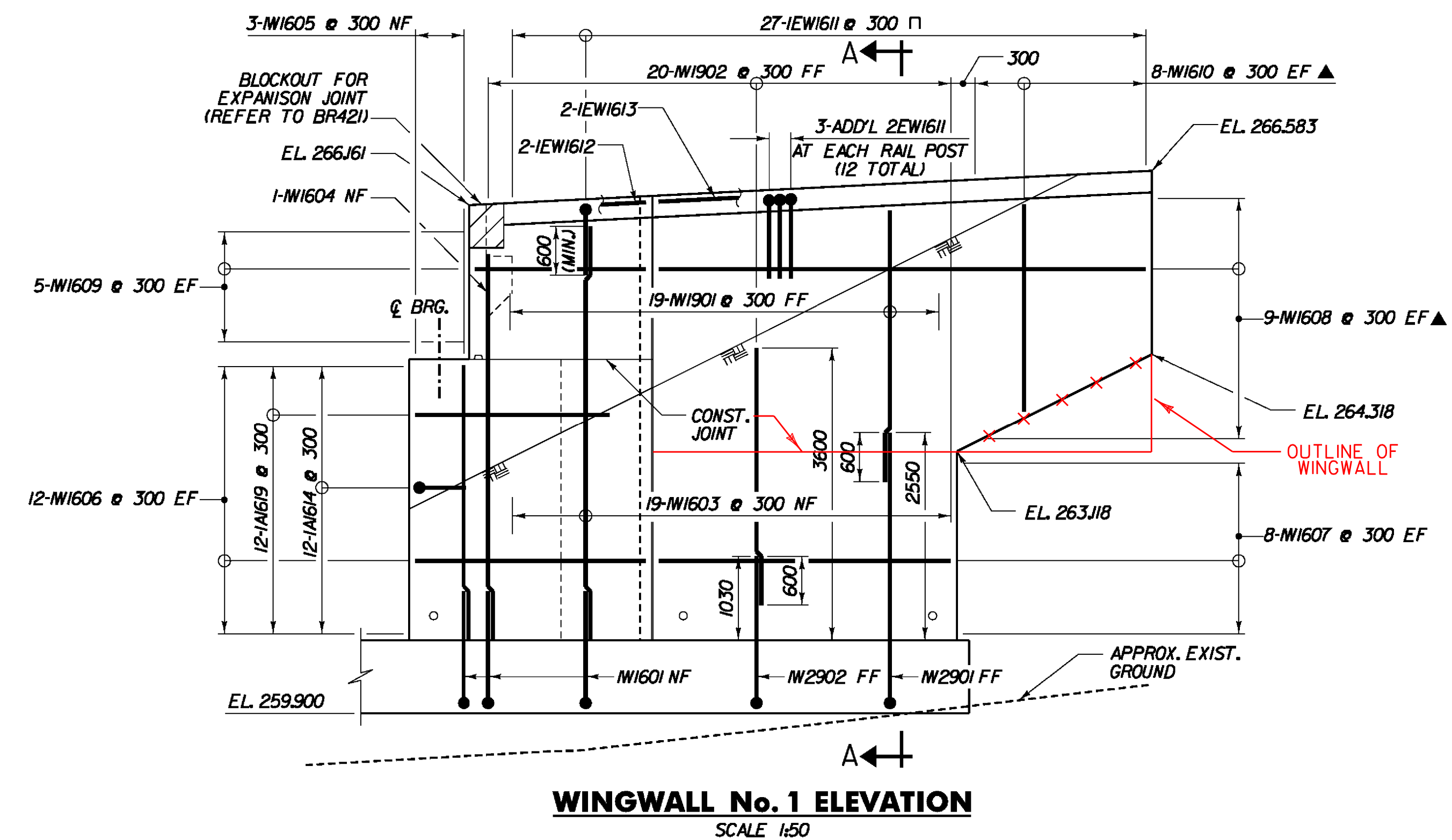
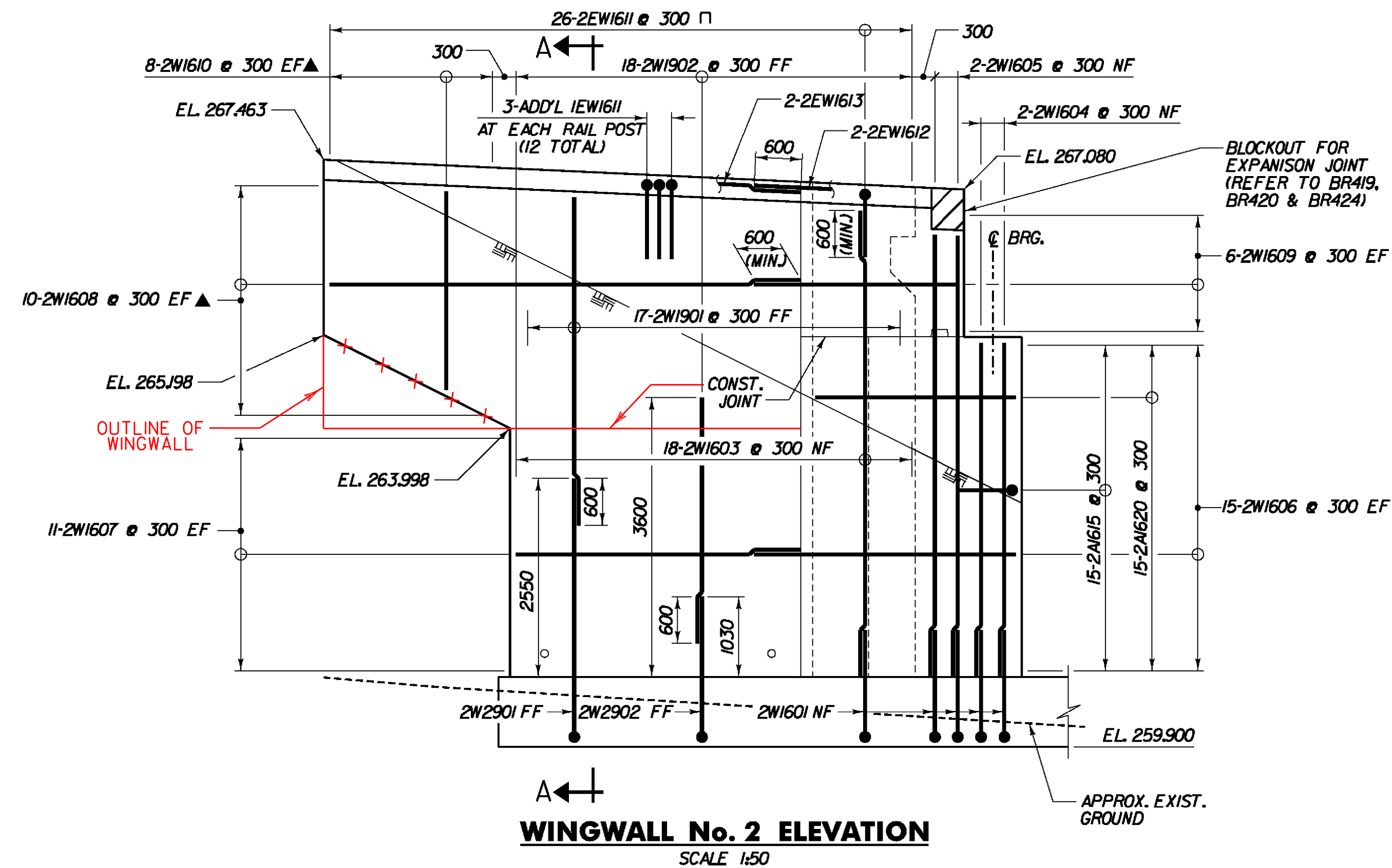
**VT ROUTE 279 OVER BALD MT. TRAIL
PLAN AND PROFILE**

Designed By **S. BURBANK** Drawn By **S. BURBANK**
Checked By **M. CHENETTE** Date **10/05** Bridge Design Supervisor **G. BOGUE** Date _____

PROJECT **BENNINGTON** PROJECT NO. **AC NH 019-11521**

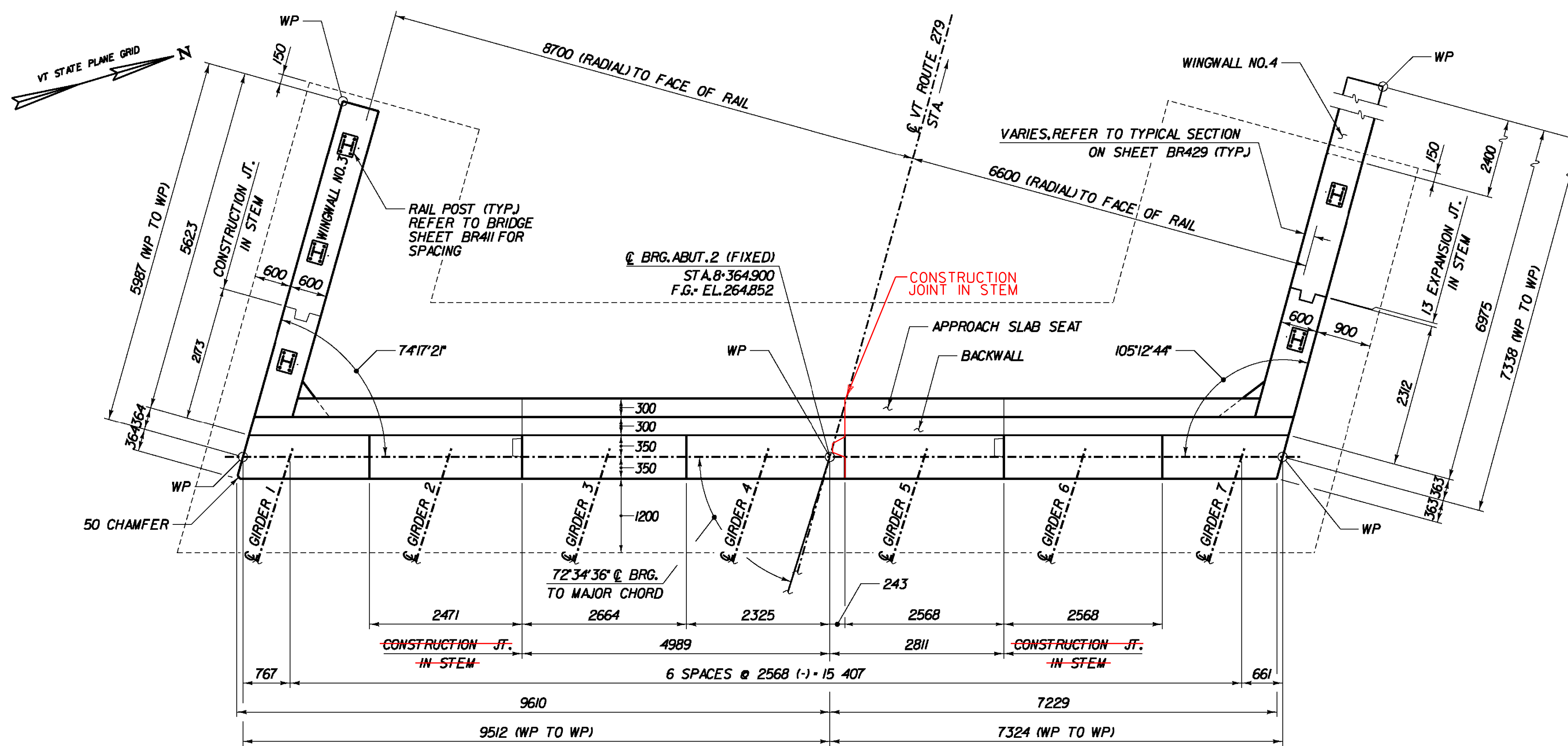
Dgn.: ...Design\BM\BM-Plan.dgn Plot Date: 5/18/2011
Bridge Sheet No. BR301 Sheet 154 of 267



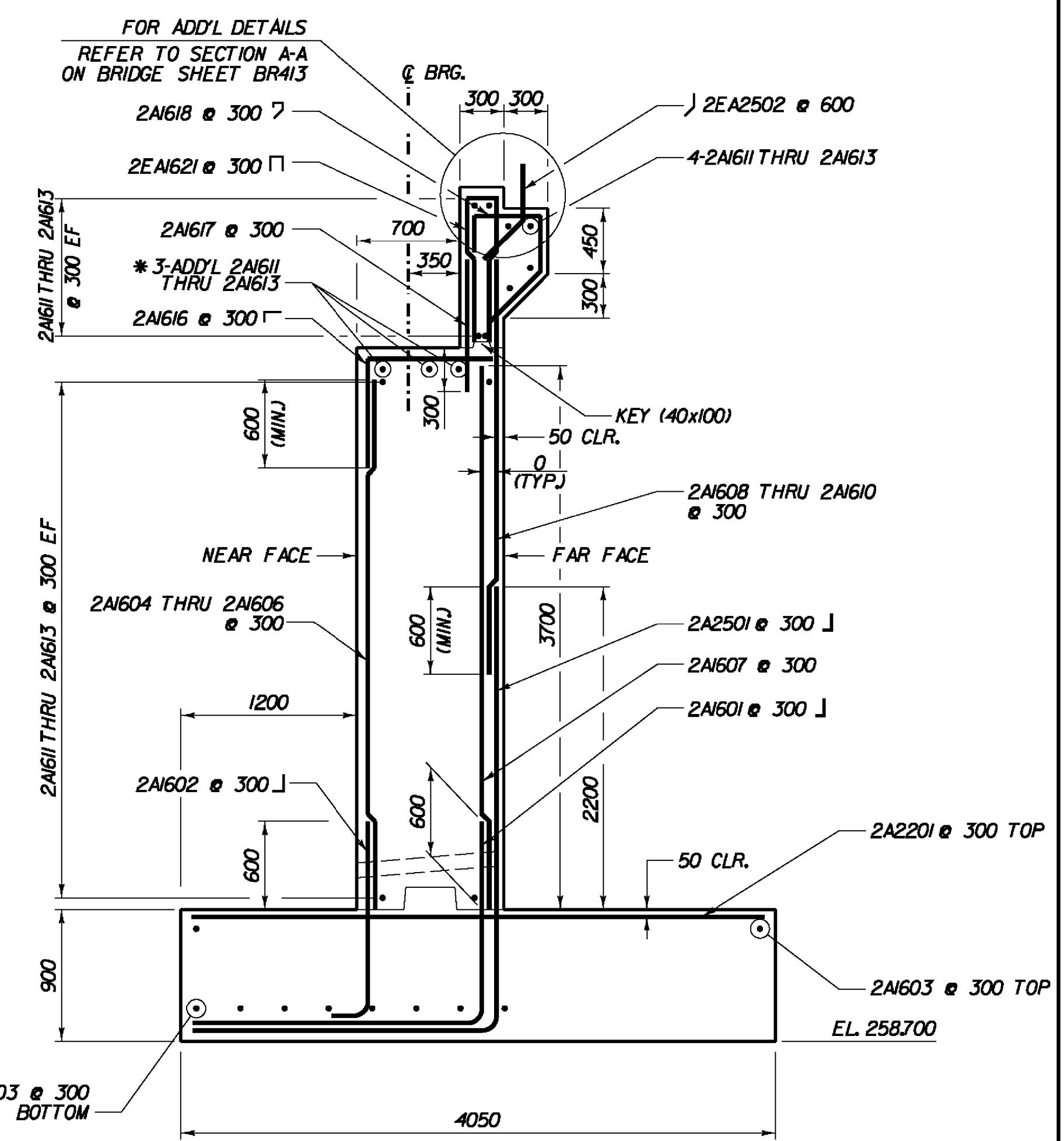


NOTE:
NF - NEAR FACE
FF - FAR FACE
EF - EACH FACE
▲ - CUT TO FIT IN FIELD
75 CLR. UNLESS OTHERWISE SPECIFIED ON THE PLANS.

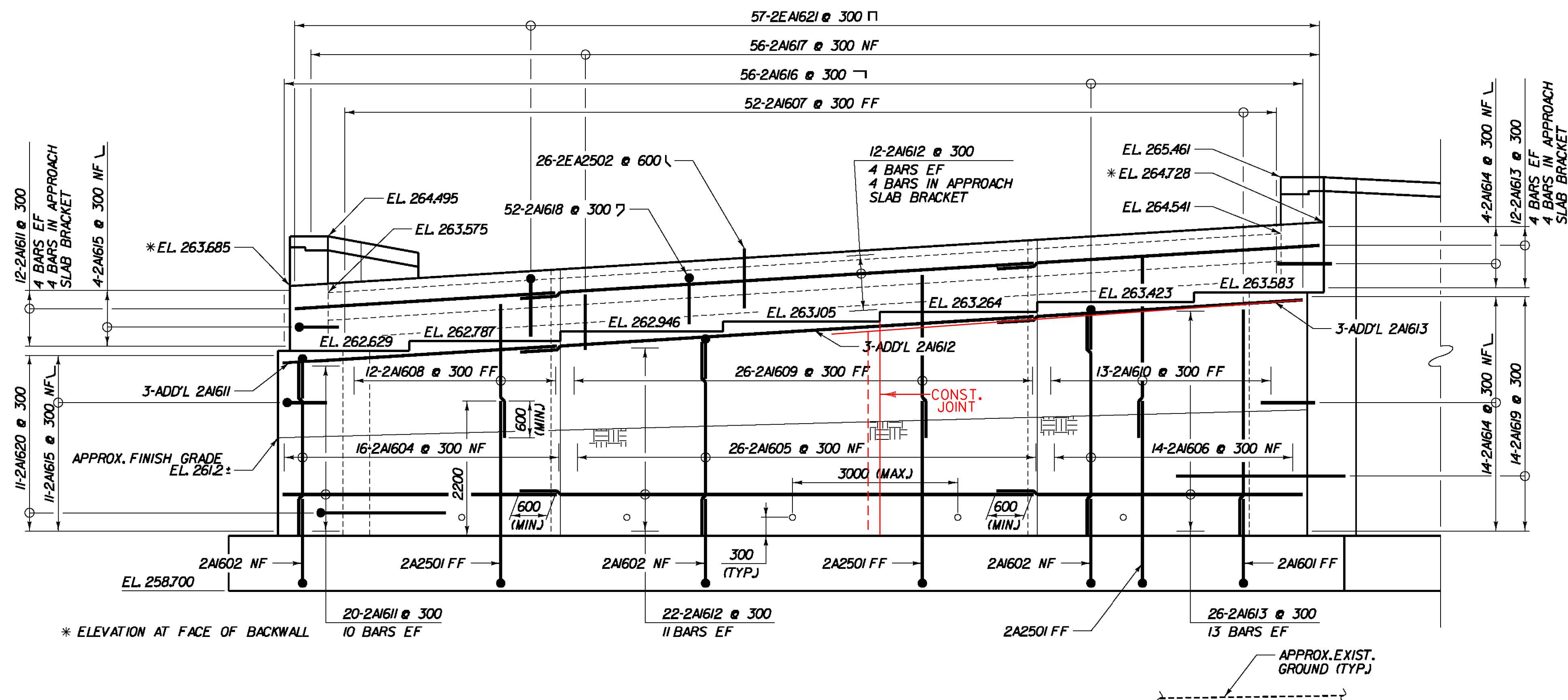
STATE OF VERMONT AGENCY OF TRANSPORTATION	
Town Of	BENNINGTON
Highway No.	VT ROUTE 279 OVER CHAPEL ROAD
Bridge No.	ABUTMENT 1 WINGWALL DETAILS
Designed By	T. KNIGHT
Checked By	G. BOGUE
Date	11/06
Drawn By	J. SOTER
Bridge Design Supervisor	G. BOGUE
Date	12/05
PROJECT	BENNINGTON
PROJECT NO.	AC NH 019-I(52)
Dgn.:	...design\ch\CH-Abut1w.dgn
Plot Date:	5/18/2011
Bridge Sheet No.	BR425
Sheet	185 of 267



ABUTMENT 2 PLAN
SCALE 1:50



ABUTMENT 2 TYPICAL SECTION
SCALE 1:30



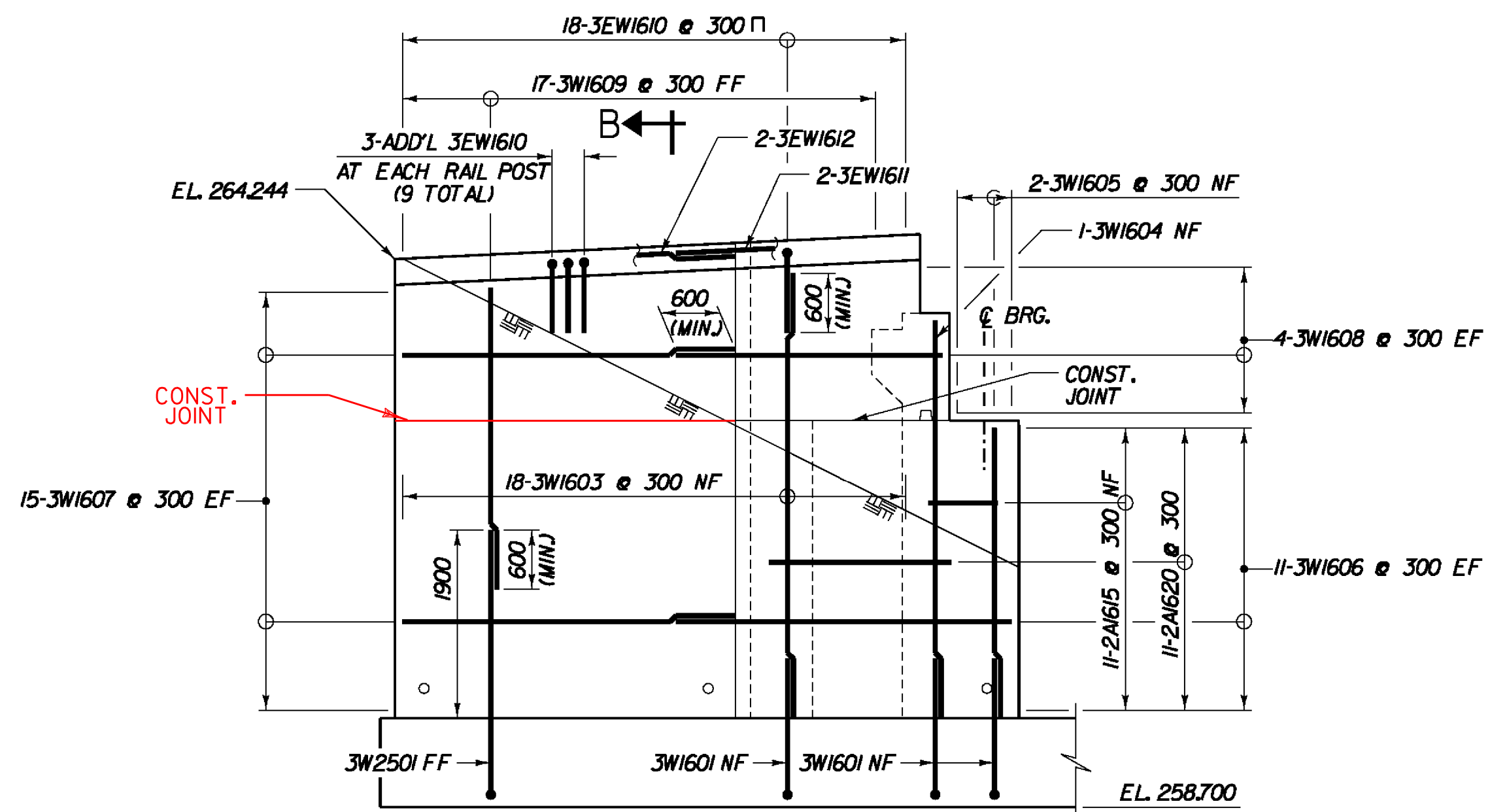
ABUTMENT 2 ELEVATION
SCALE 1:50

NOTE:
 NF - NEAR FACE
 FF - FAR FACE
 EF - EACH FACE
 ▲ - CUT TO FIT IN FIELD
 75 CLR. UNLESS OTHERWISE SPECIFIED ON THE PLANS.

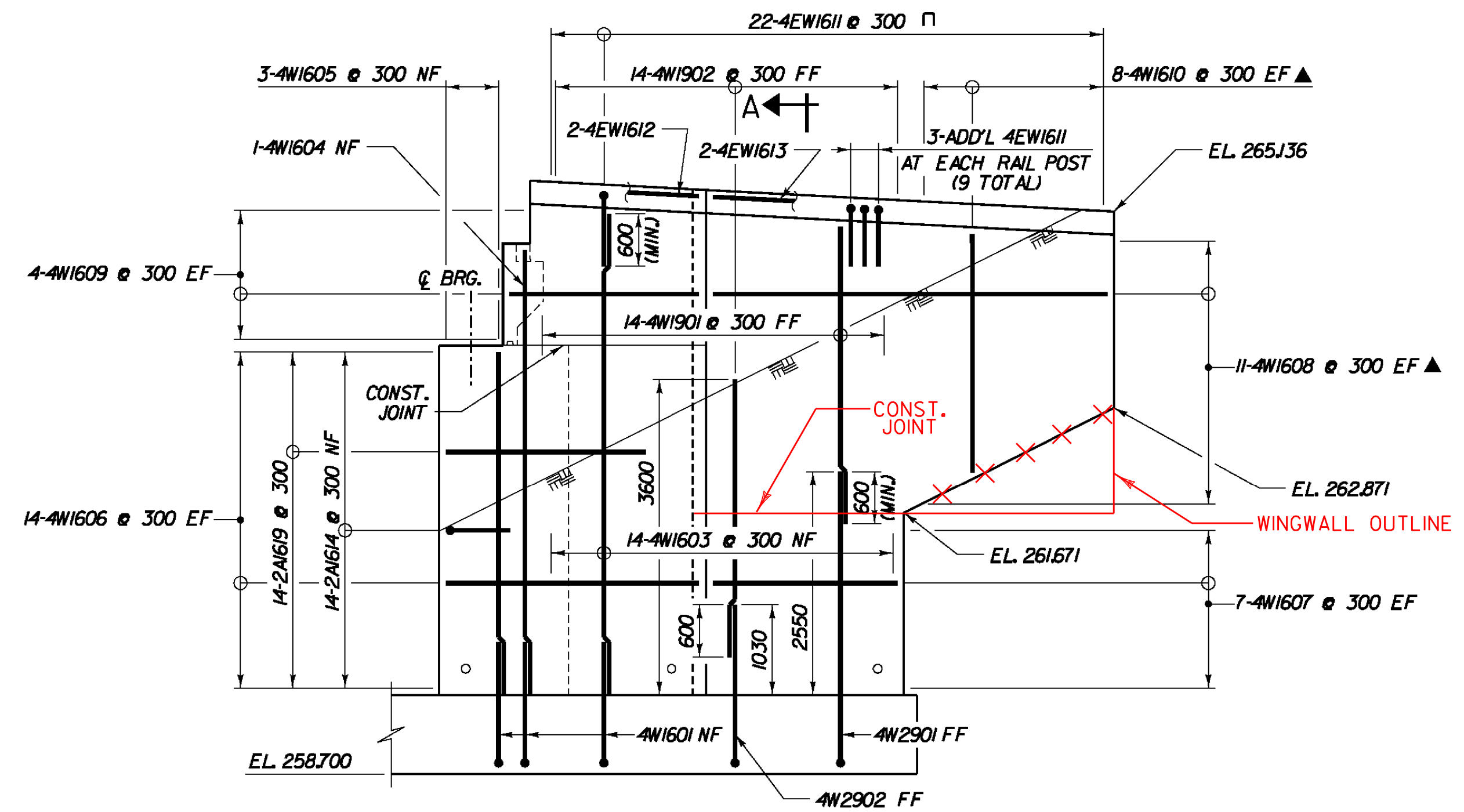
**STATE OF VERMONT
AGENCY OF TRANSPORTATION**

Town Of	BENNINGTON	Bridge No.	
Highway No.		Log Sta.	
		Surv. Sta.	
VT ROUTE 279 OVER CHAPEL ROAD			
ABUTMENT 2 DETAILS			
Designed By	T. KNIGHT	Drawn By	J. SOTER
Checked By	G. BOGUE	Date	05/06
		Bridge Design Supervisor	G. BOGUE
		Date	12/05
PROJECT	BENNINGTON	PROJECT NO.	AC NH 019-K52)
Dgn.:	...desig\ch\CH-Abut 2.dgn	Plot Date:	5/18/2011
Bridge Sheet No.	BR427	Sheet	187 of 267

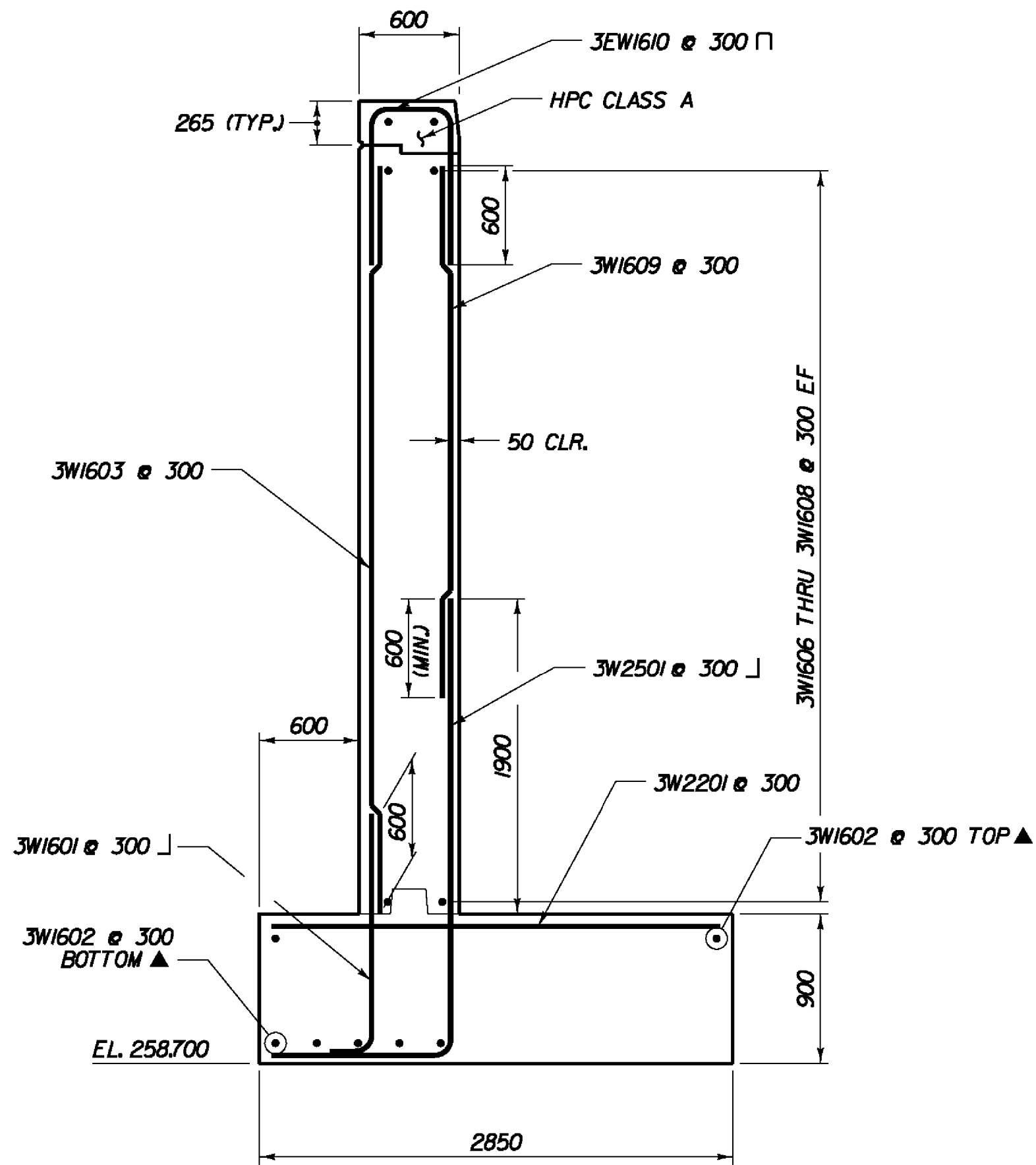
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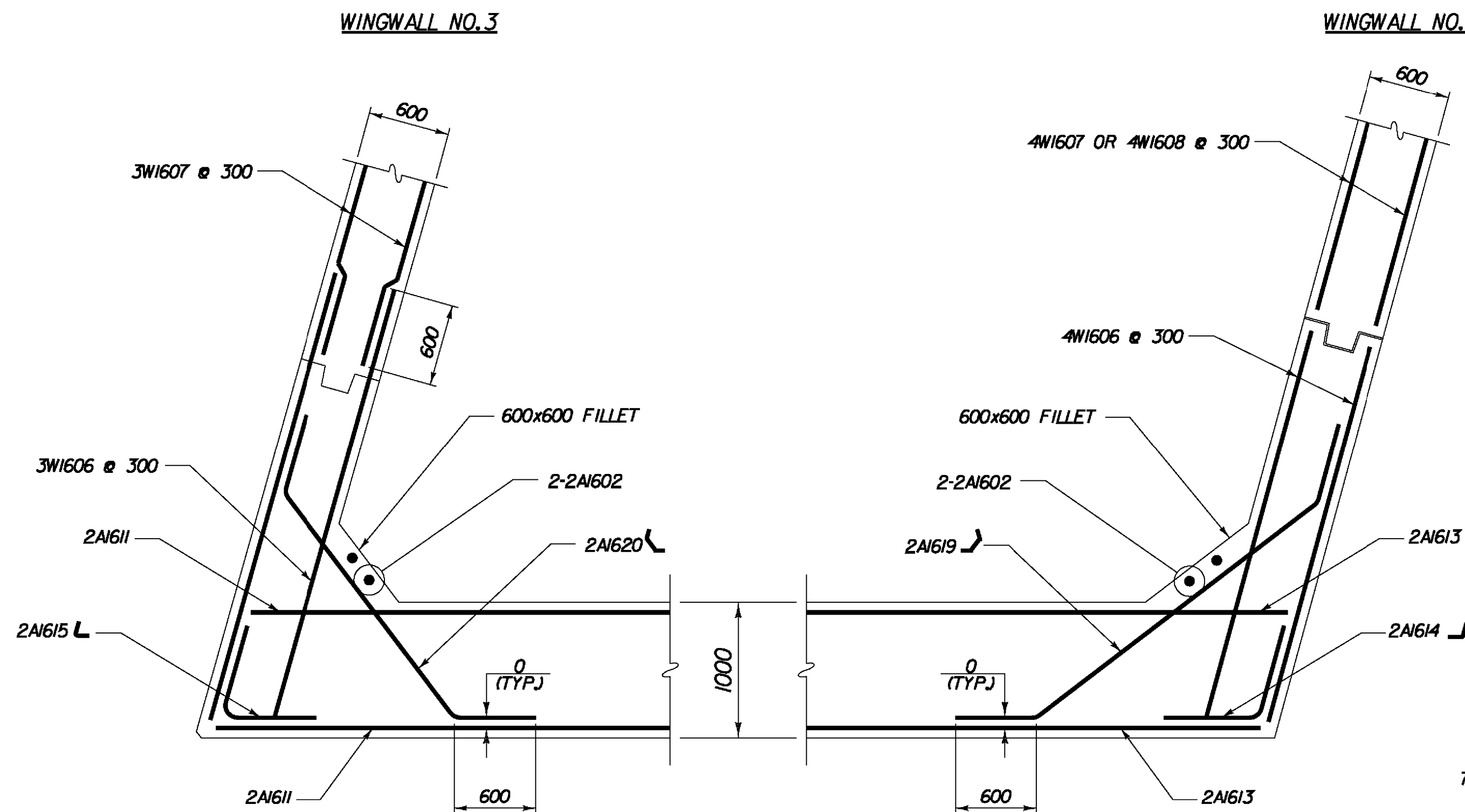
WINGWALL No. 3
SCALE 1:50



WINGWALL No. 4
SCALE 1:50



SECTION B-B
SCALE 1:30



ABUTMENT 2 - CORNER REINFORCEMENT
(BELOW BEAM SEAT)
SCALE 1:30

NOTE:
NF - NEAR FACE
FF - FAR FACE
EF - EACH FACE
▲ - CUT TO FIT IN FIELD
75 CLR. UNLESS OTHERWISE SPECIFIED ON THE PLANS.

NOTE:
FOR SECTION A-A SEE BRIDGE SHEET BR425

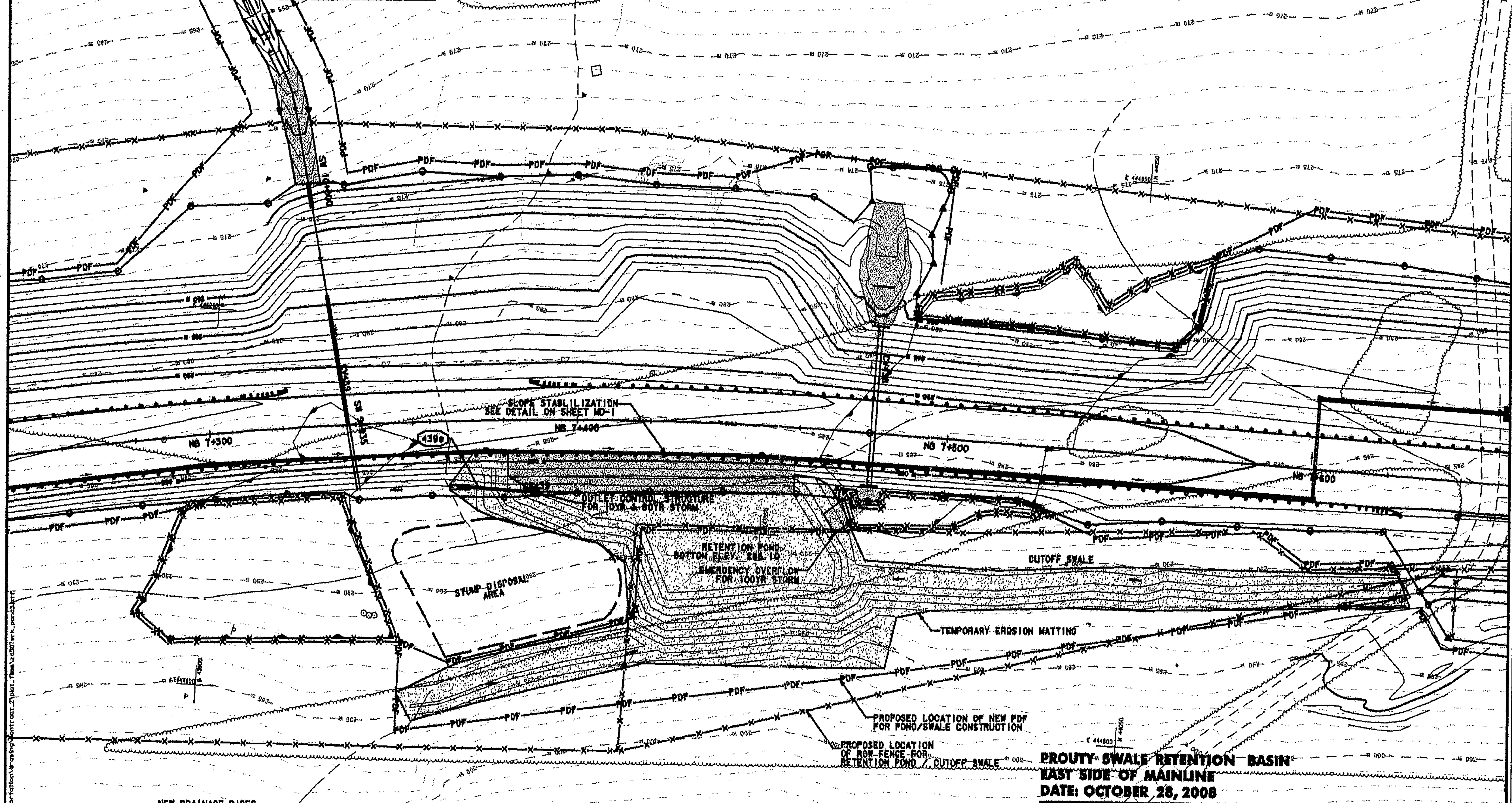
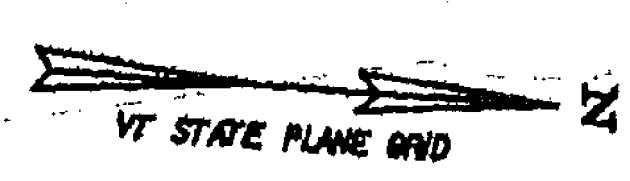
STATE OF VERMONT AGENCY OF TRANSPORTATION			
Town Of	BENNINGTON	Bridge No.	
Highway No.		Log Sta.	
		Surv. Sta.	
VT ROUTE 279 OVER CHAPEL ROAD			
ABUTMENT 2 WINGWALL DETAILS			
Designed By	T. KNIGHT	Drawn By	J. SOTER
Checked By	Date	Bridge Design Supervisor	
G. BOGUE	05/06	G. BOGUE	Date 12/05
PROJECT	BENNINGTON	PROJECT NO.	AC NH 019-I(52)
Dgn.:	... \desig\ch\CH-Abut2w.dgn	Plot Date:	5/18/2011
Bridge Sheet No.	BR428	Sheet	188 of 267



V:\1953\active\195310002\Transportation\Structural\Design\ch\Abut2w.dgn

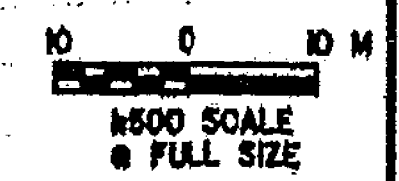
10 YEAR FLOWS TO EXISTING TOWN CULVERT
 PRE CONSTRUCTION
 Q = 1.5180 cfs
 POST CONSTRUCTION NO POND
 Q = 2.6385 cfs
 POST CONSTRUCTION WITH POND
 Q = 1.085 cfs

50 YEAR FLOWS TO EXISTING TOWN CULVERT
 PRE CONSTRUCTION
 Q = 3.5102 cfs
 POST CONSTRUCTION NO POND
 Q = 4.3214 cfs
 POST CONSTRUCTION WITH POND
 Q = 2.423 cfs



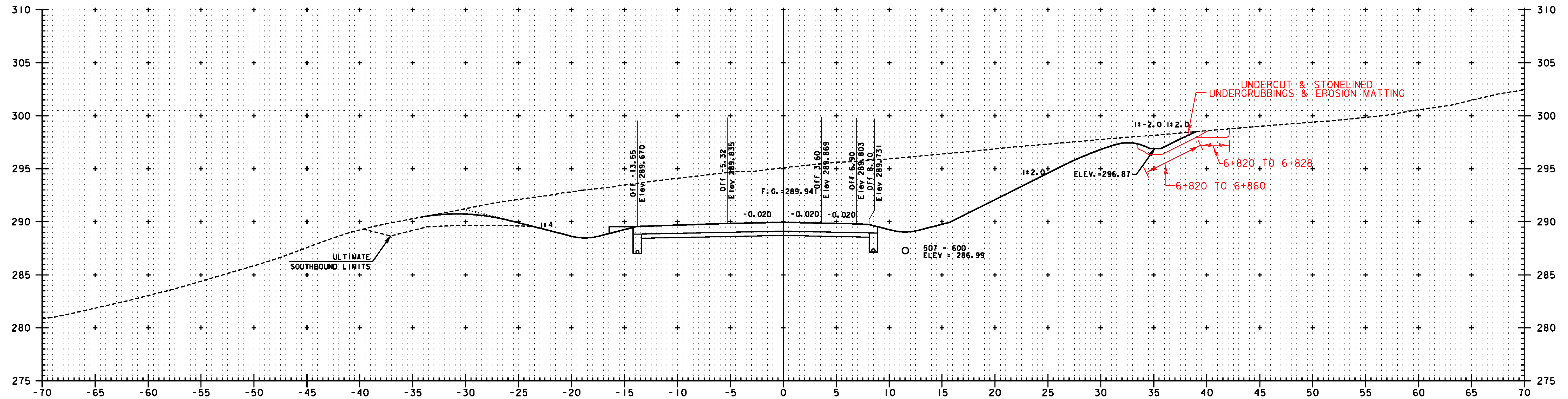
PIPE #	LOCATION	COMMENTS
439b	NB 7+370.1 - NB 7+388.6 RT	750 X 18.1 IN. PIPE OPTION 2

STRUCTURE #	LOCATION	COMMENTS
CB439	NB 7+388.6 RT	2 TYPE B GRATES

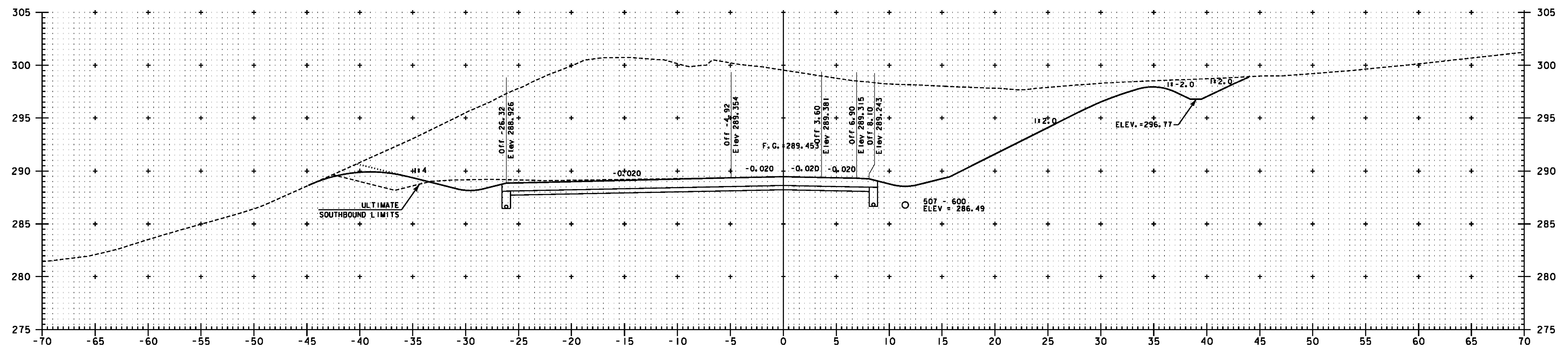


PROUTY SWALE RETENTION BASIN
 EAST SIDE OF MAINLINE
 DATE: OCTOBER 28, 2008

VERMONT AGENCY OF TRANSPORTATION	
	PROJECT NAME: BENNINGTON PROJECT NUMBER: NB NH199165-1(52)
FILE NAME: \\prty-fra\z307\wk.pond3.prf DESIGN SUPERVISOR: GREG EDWARDS DESIGNED BY: MARC FORSY	PLOT DATE: 10/30/2008 DRAWN BY: STANTEC CHECKED BY: GARY SANTY SHEET OF 287

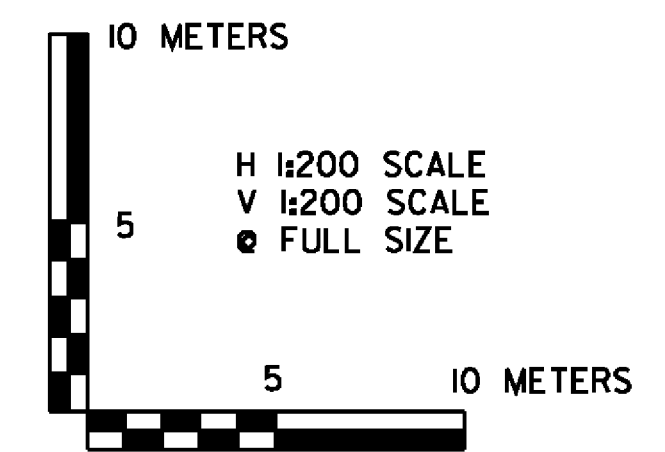


NB 6+820



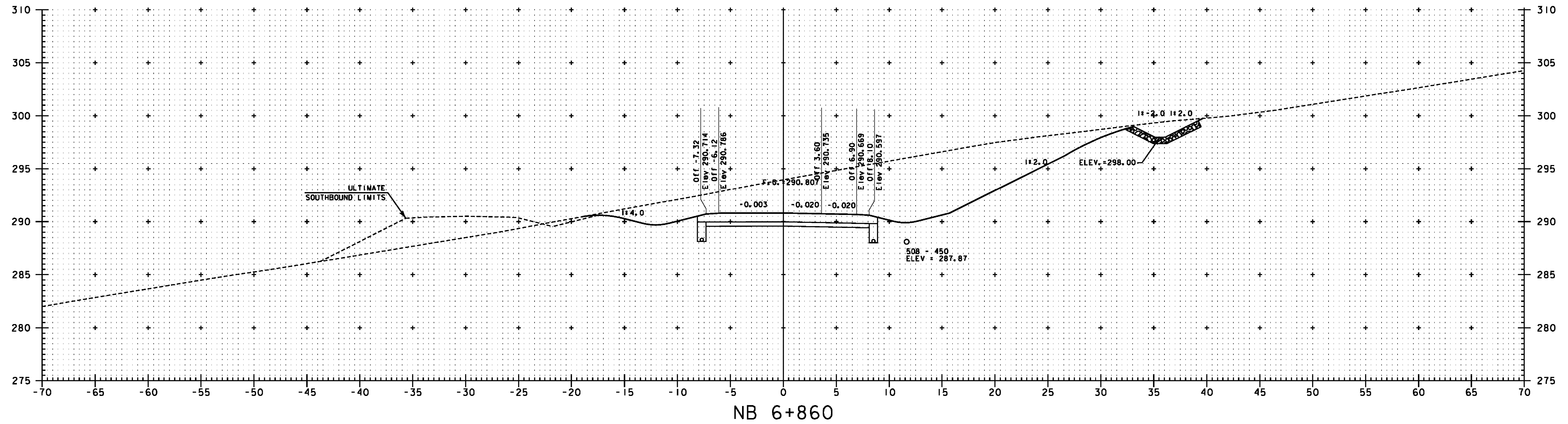
NB 6+800

NOTE:
ELEVATIONS SHOWN ARE FOR THE ULTIMATE FINISHED GRADE.
THE TOP 50 PAVEMENT COURSE (TYPE IIIS) WILL NOT BE
CONSTRUCTED AS PART OF THIS CONTRACT. THIS CONTRACT
ONLY INCLUDES 100 OF TYPE IS AND 80 OF TYPE IIS
SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (ITEM 490.30).
PLEASE REFER TO THE ROADWAY TYPICAL SECTIONS FOR DETAILS.

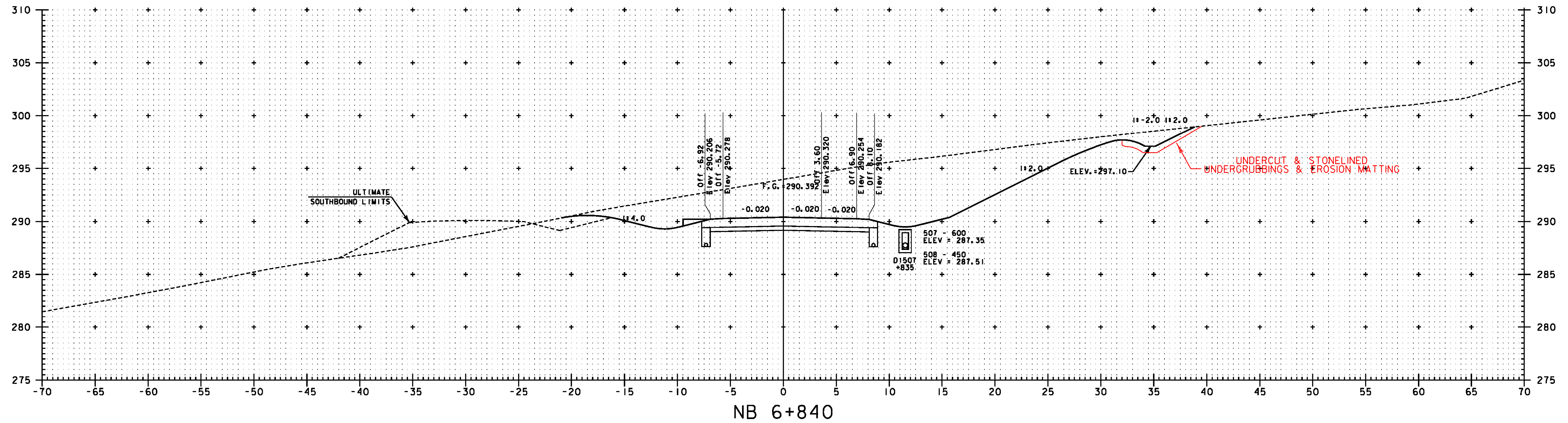


VERMONT AGENCY OF TRANSPORTATION	
	PROJECT NAME: BENNINGTON
	PROJECT NUMBER: AC NH 019-(152)
	FILE NAME: ...plot_files\zd307c2xs_nb.prf
	DESIGN SUPERVISOR: GREG EDWARDS
DESIGNED BY: MARC FOISY	PLOT DATE: 5/16/2011
NB MAINLINE CROSS SECTIONS NBX-11	DRAWN BY: STANTEC
	CHECKED BY: GARY SANTY
	SHEET 204 OF 267

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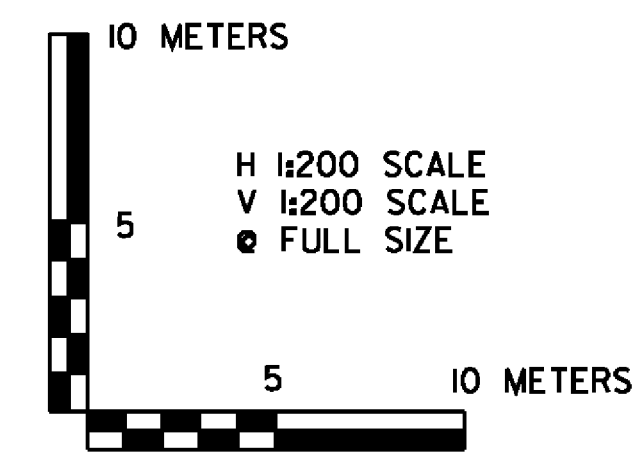


NB 6+860



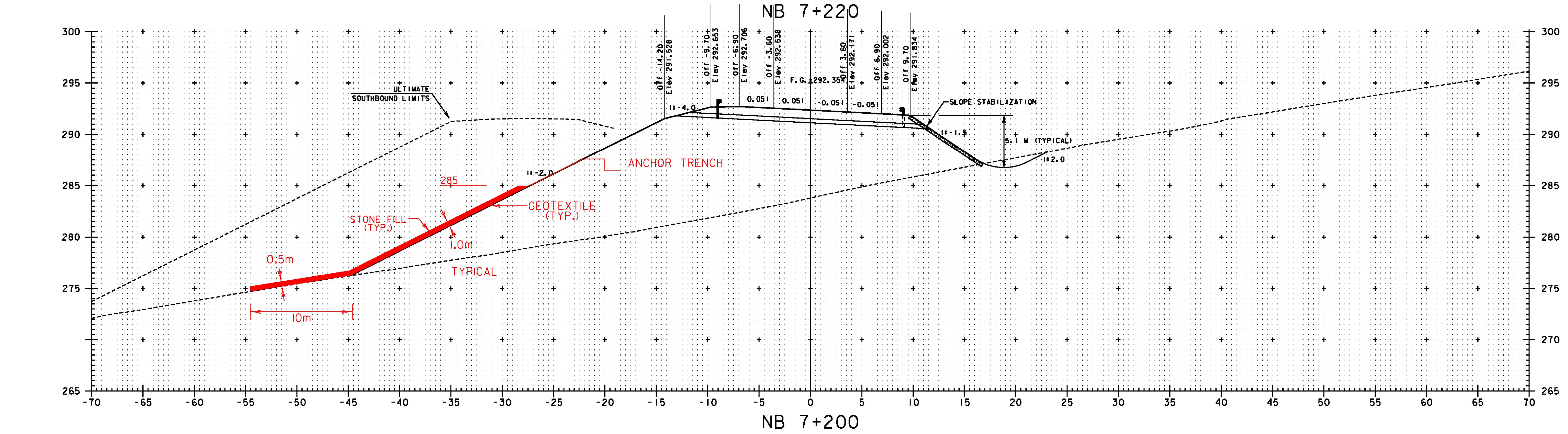
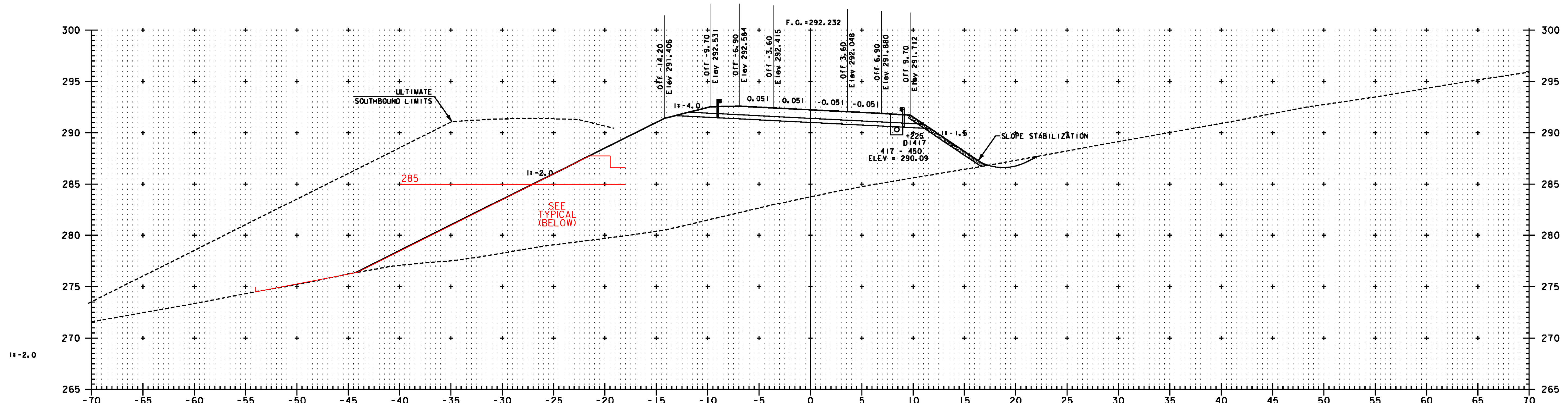
NB 6+840

NOTE:
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SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (ITEM 490.30).
PLEASE REFER TO THE ROADWAY TYPICAL SECTIONS FOR DETAILS.

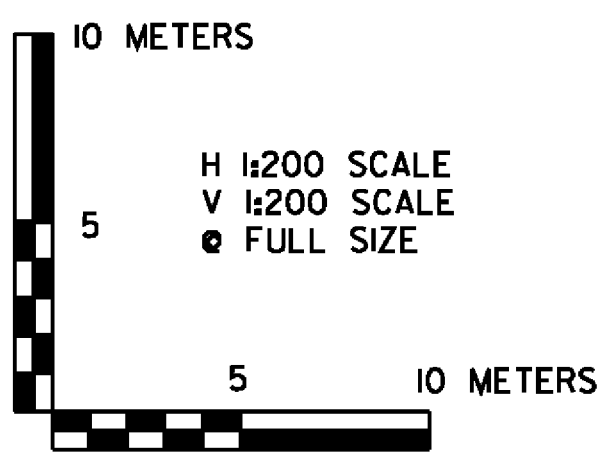
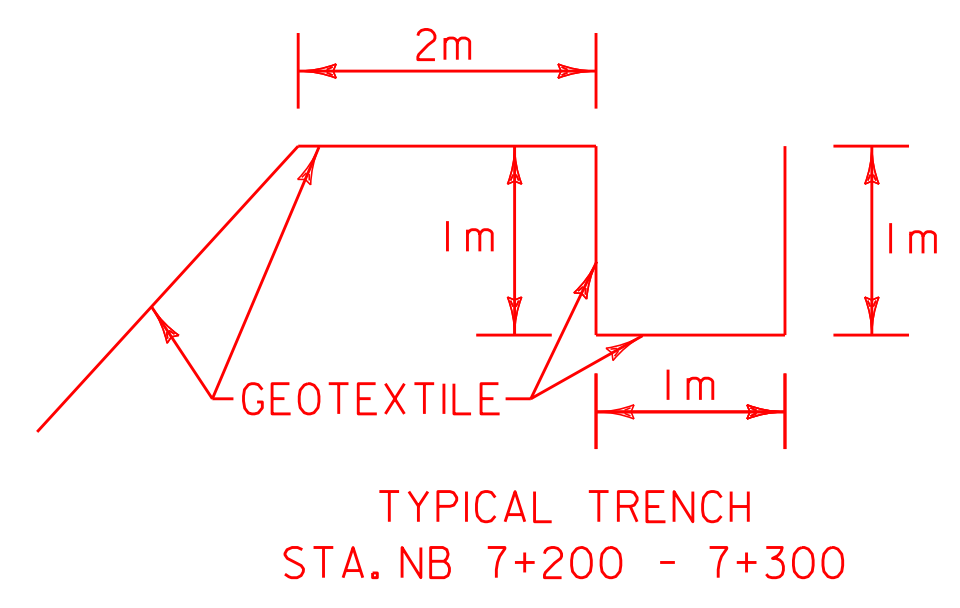


VERMONT AGENCY OF TRANSPORTATION	
PROJECT NAME: BENNINGTON	PROJECT NUMBER: AC NH 019-(152)
FILE NAME: ...plot_files\zd307c2xs_nb.prf	PLOT DATE: 5/16/2011
DESIGN SUPERVISOR: GREG EDWARDS	DRAWN BY: STANTEC
DESIGNED BY: MARC FOISY	CHECKED BY: GARY SANTY
NB MAINLINE CROSS SECTIONS NBX-12	
SHEET 205 OF 267	

V:\953\active\9530002\transportation\drawing\corridor\cct-2\plot_files\zd307c2xs_nb.prf



NOTE:
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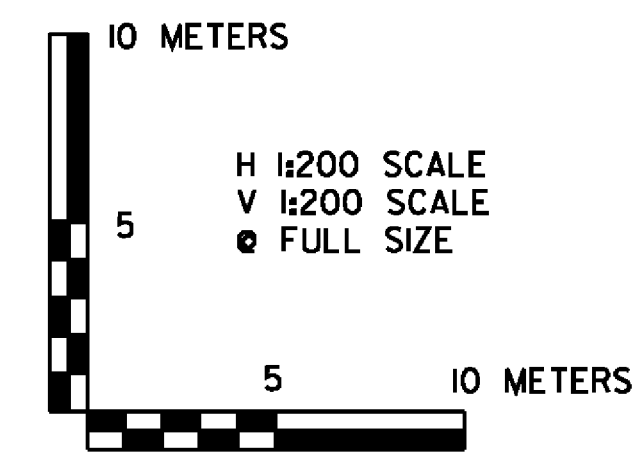
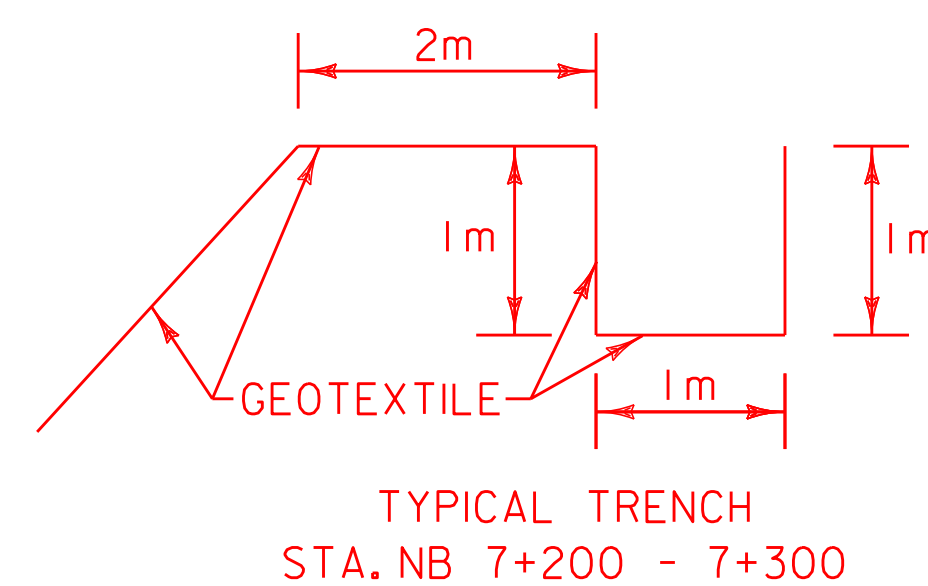
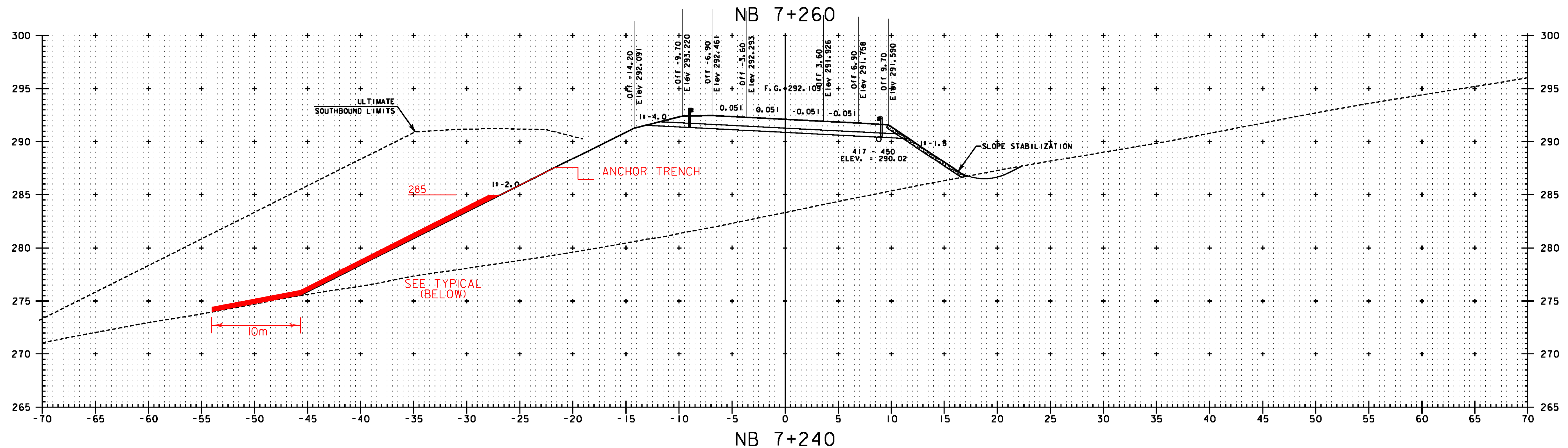
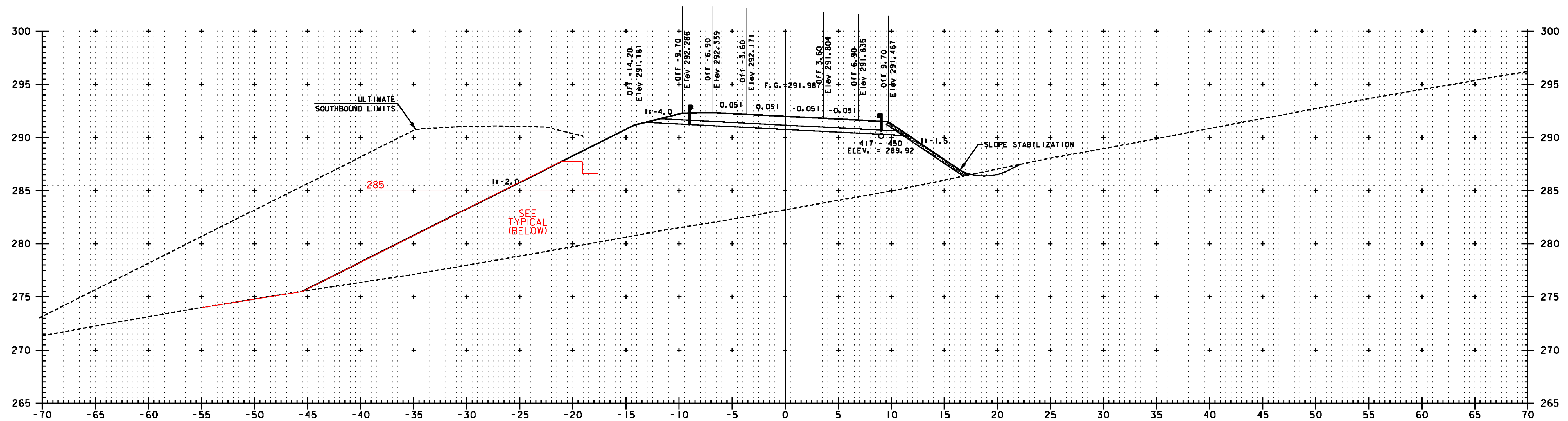


VERMONT AGENCY OF TRANSPORTATION



PROJECT NAME: BENNINGTON
 PROJECT NUMBER: AC NH 019-(152)
 FILE NAME: ...plot.files\zd307c2xs.nb.ptf PLOT DATE: 5/16/2011
 DESIGN SUPERVISOR: GREG EDWARDS DRAWN BY: STANTEC
 DESIGNED BY: MARC FOISY CHECKED BY: GARY SANTY
 NB MAINLINE CROSS SECTIONS NBX-21 SHEET 214 OF 267

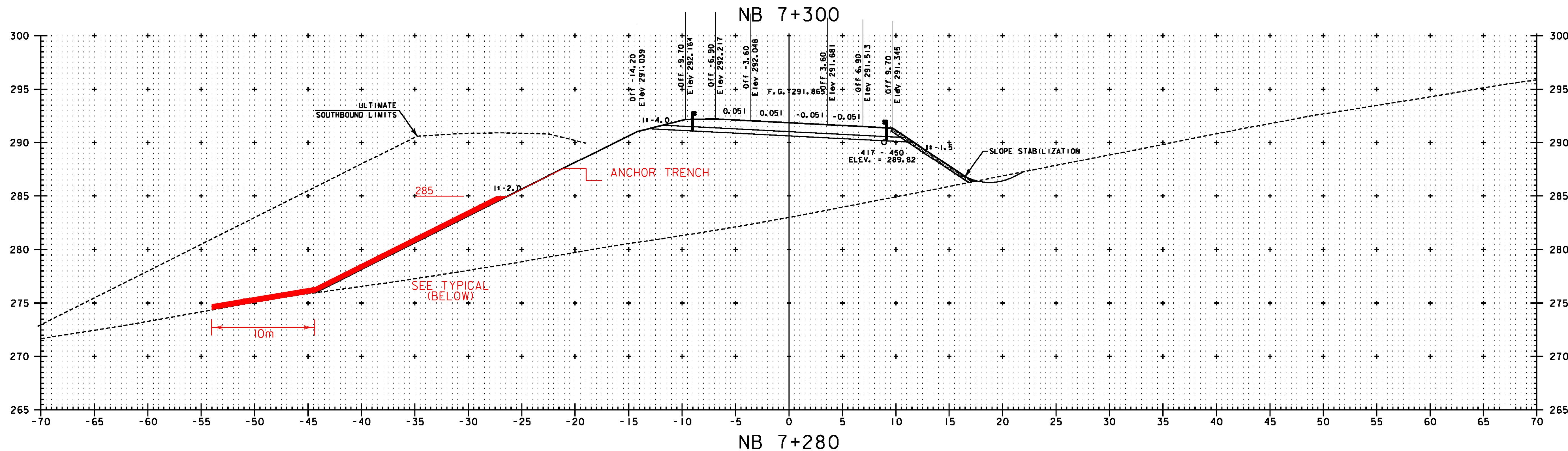
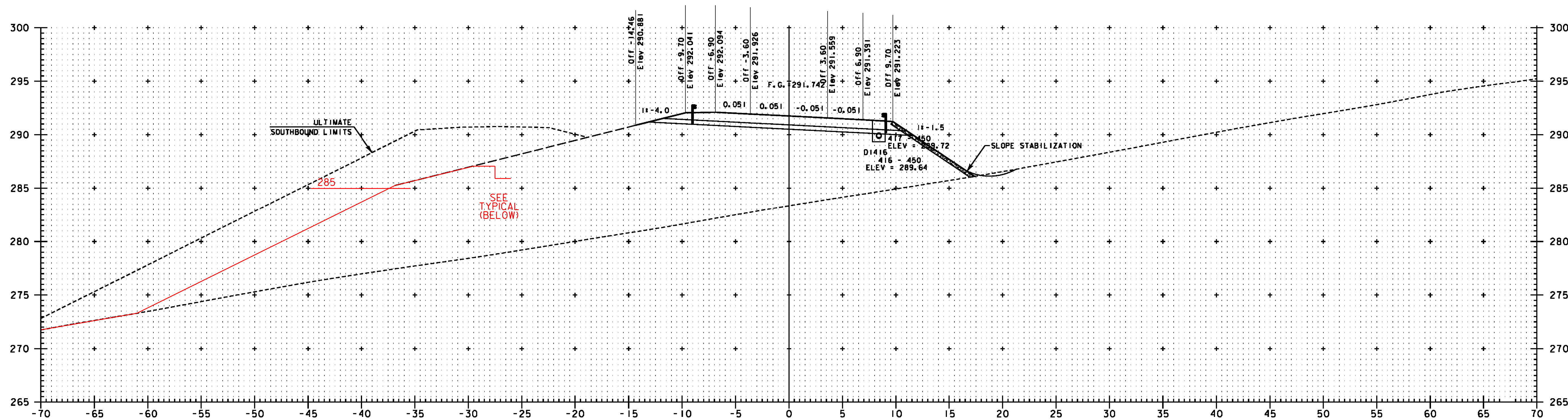
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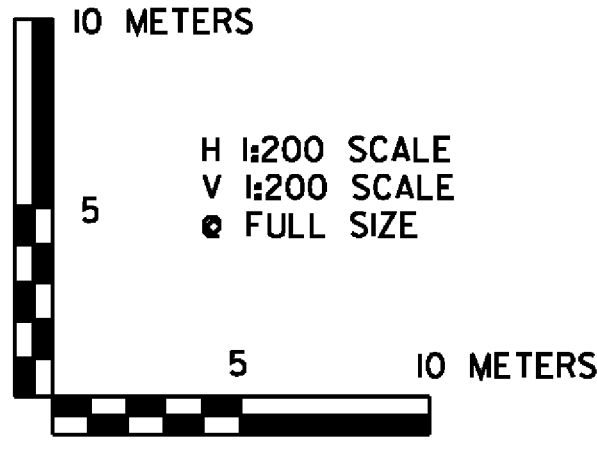
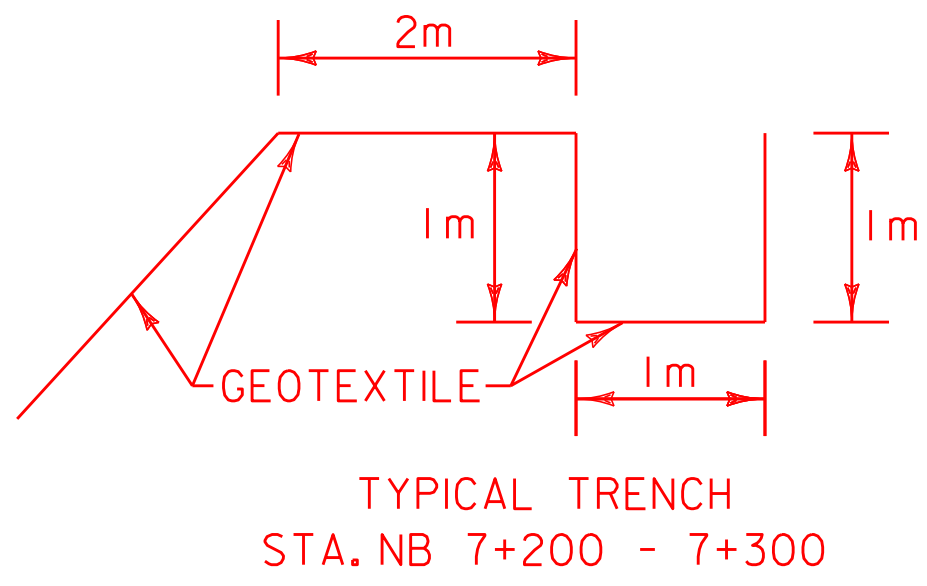
NOTE:
ELEVATIONS SHOWN ARE FOR THE ULTIMATE FINISHED GRADE. THE TOP 50 PAVEMENT COURSE (TYPE IIIS) WILL NOT BE CONSTRUCTED AS PART OF THIS CONTRACT. THIS CONTRACT ONLY INCLUDES 100 OF TYPE IS AND 80 OF TYPE IIS SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (ITEM 490.30). PLEASE REFER TO THE ROADWAY TYPICAL SECTIONS FOR DETAILS.

VERMONT AGENCY OF TRANSPORTATION	
	PROJECT NAME: BENNINGTON
	PROJECT NUMBER: AC NH 019-(52)
	FILE NAME: ...\plot_files\zd307c2xs.nb.prf
	DESIGNED BY: MARC FOISY
	PLOT DATE: 5/16/2011 DRAWN BY: STANTEC CHECKED BY: GARY SANTY SHEET 215 OF 267

V:\953\active\9530002\transportation\drawing\corridor\cct-2\plot_files\zd307c2xs.nb.prf



NOTE:
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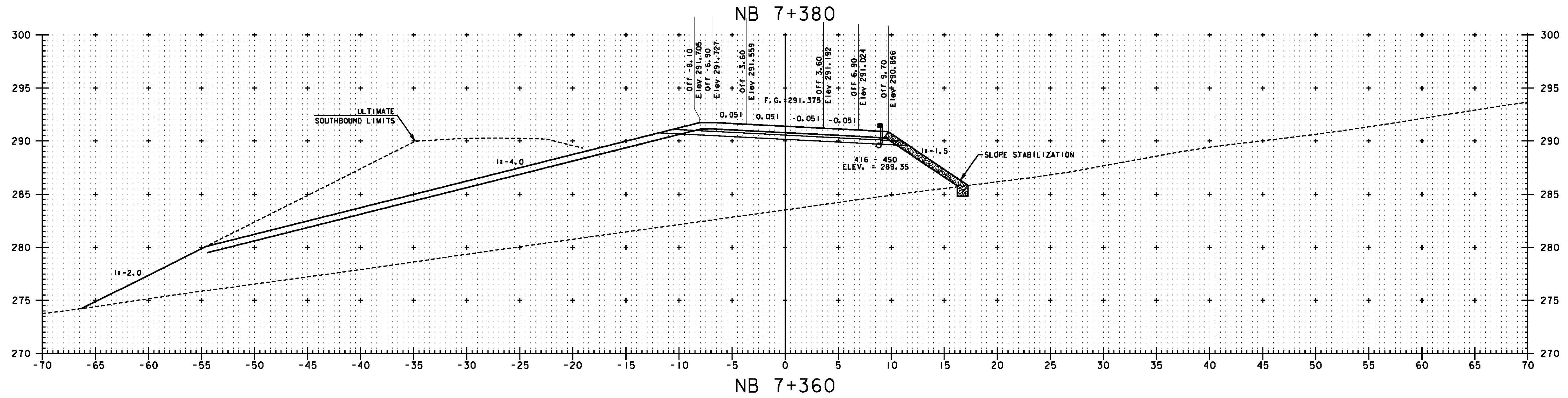
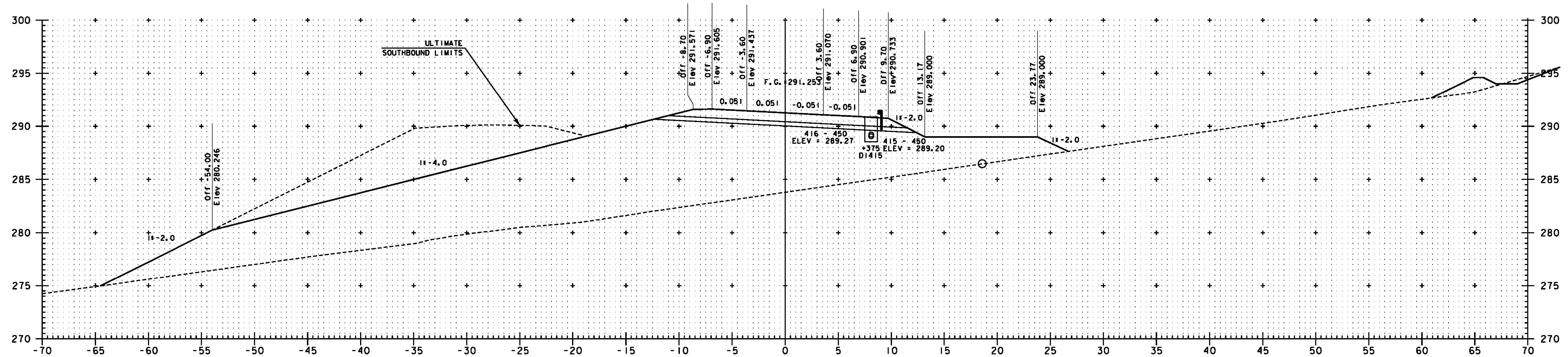


VERMONT AGENCY OF TRANSPORTATION

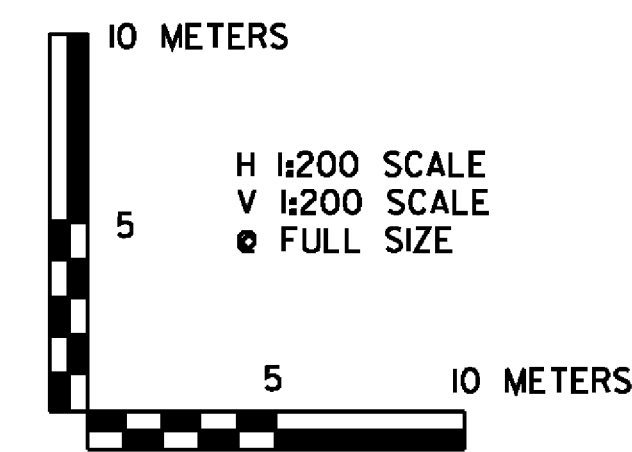


PROJECT NAME: BENNINGTON
 PROJECT NUMBER: AC NH 019-(52)
 FILE NAME: ...plot.files\zd307c2xs.nb.prf PLOT DATE: 5/16/2011
 DESIGN SUPERVISOR: GREG EDWARDS DRAWN BY: STANTEC
 DESIGNED BY: MARC FOISY CHECKED BY: GARY SANTY
 NB MAINLINE CROSS SECTIONS NBX-23 SHEET 216 OF 267

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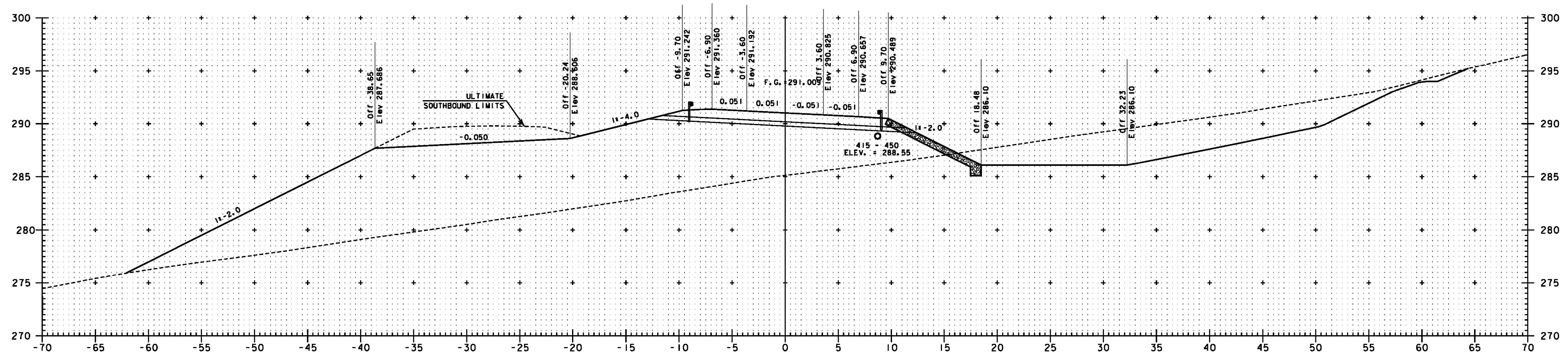


NOTE:
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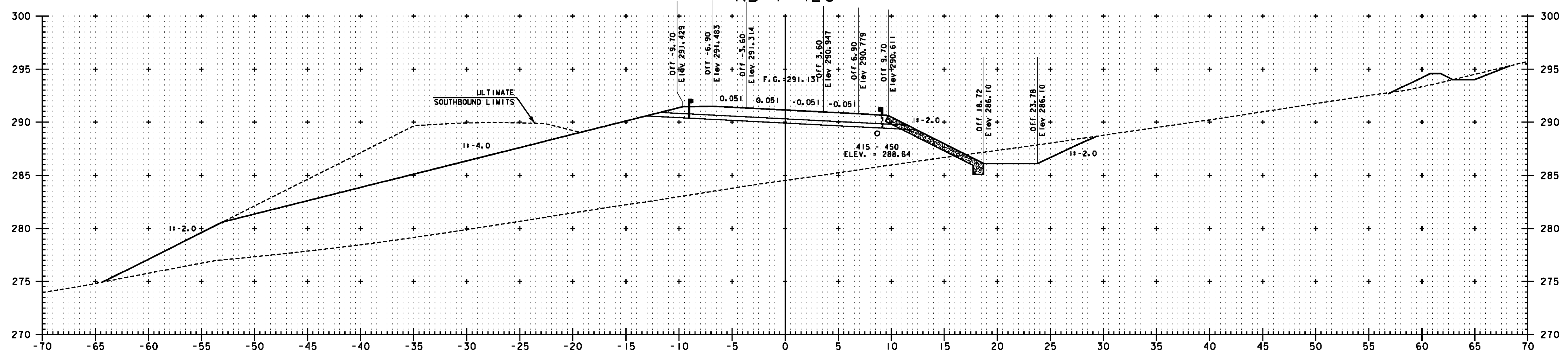


VERMONT AGENCY OF TRANSPORTATION	
	PROJECT NAME: BENNINGTON
	PROJECT NUMBER: AC NH 019-(152)
	FILE NAME: ...plot_files\zd307c2xs.nb.prf
	DESIGNED BY: MARC FOISY
	PLOT DATE: 5/16/2011
	DRAWN BY: STANTEC
	CHECKED BY: GARY SANTY
	NB MAINLINE CROSS SECTIONS NBX-25
	SHEET 218 OF 267

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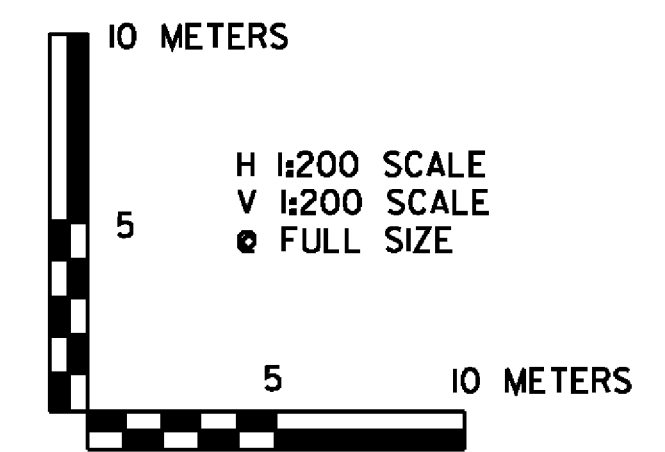


NB 7+420



NB 7+400

NOTE:
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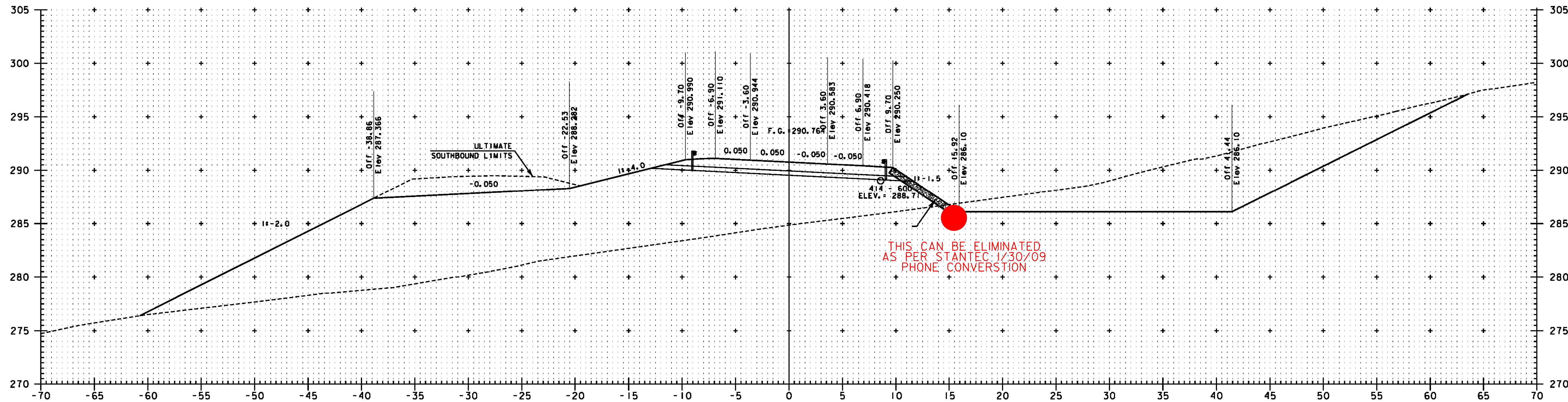


VERMONT AGENCY OF TRANSPORTATION

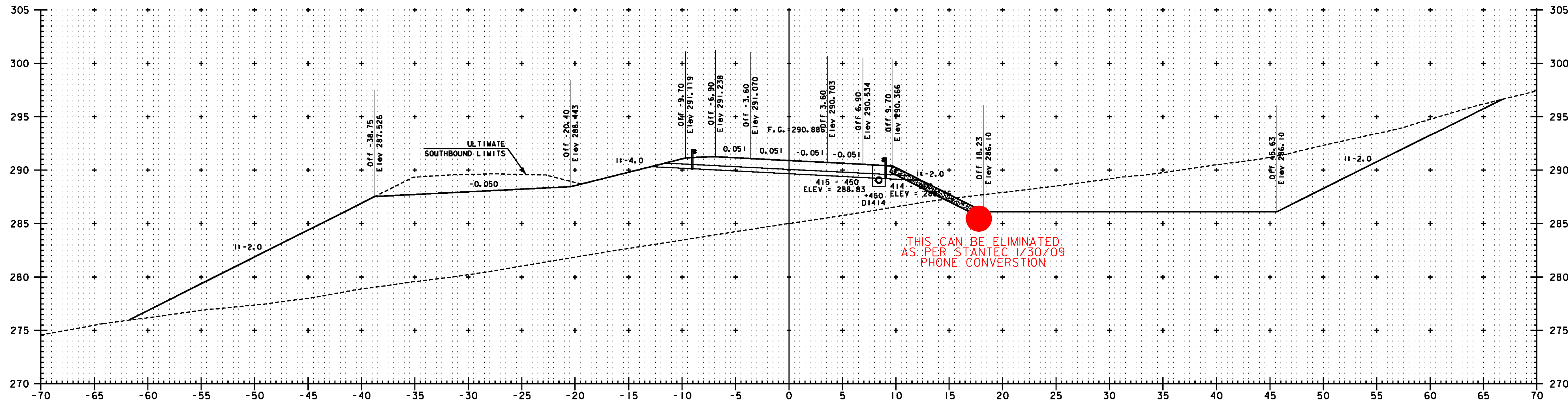


PROJECT NAME:	BENNINGTON	FILE NAME:	...plot_files\zd307c2xs_nb.prf	PLOT DATE:	5/16/2011
PROJECT NUMBER:	AC NH 019-(152)	DESIGN SUPERVISOR:	GREG EDWARDS	DRAWN BY:	STANTEC
		DESIGNED BY:	MARC FOISY	CHECKED BY:	GARY SANTY
					NB MAINLINE CROSS SECTIONS NBX-26 SHEET 219 OF 267

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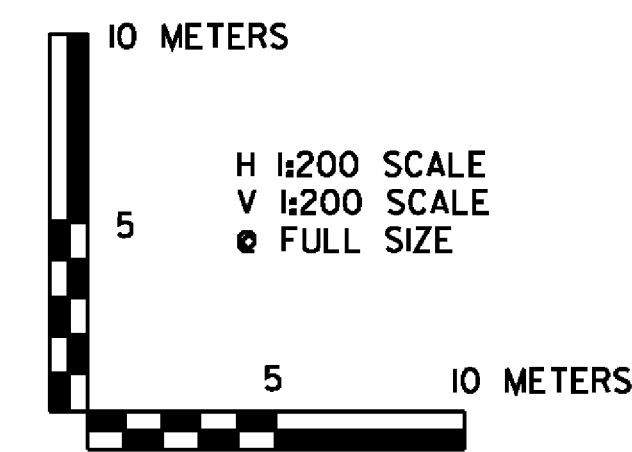


NB 7+460



NB 7+440

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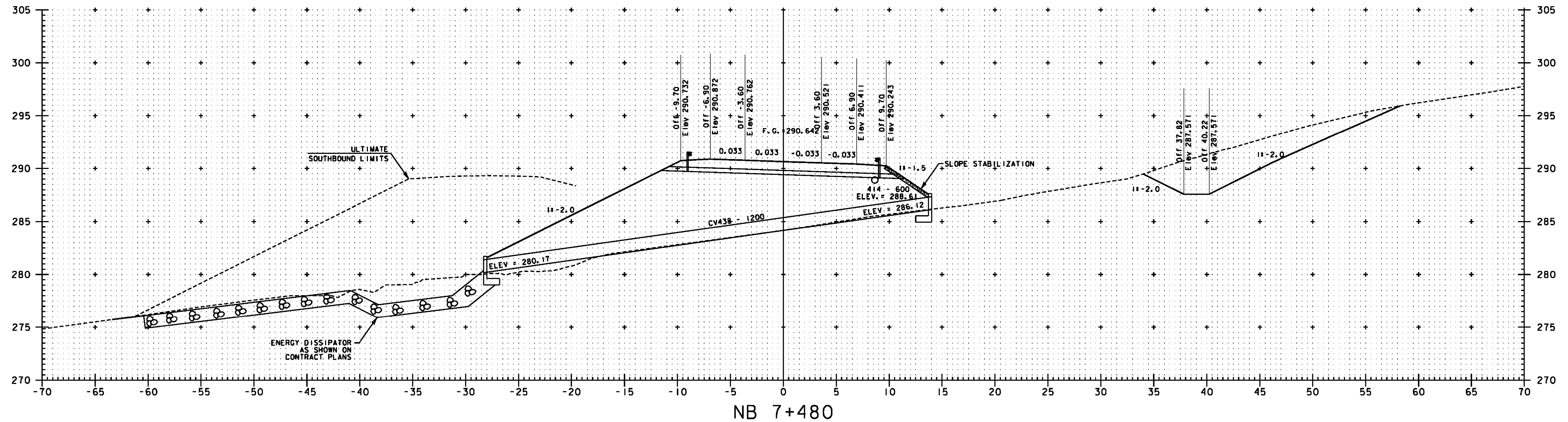
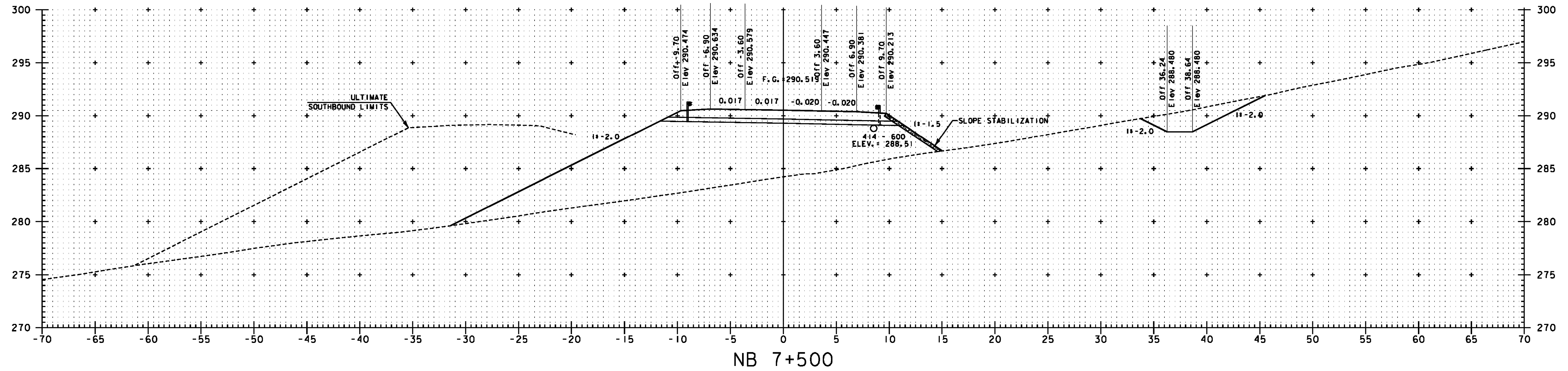


VERMONT AGENCY OF TRANSPORTATION

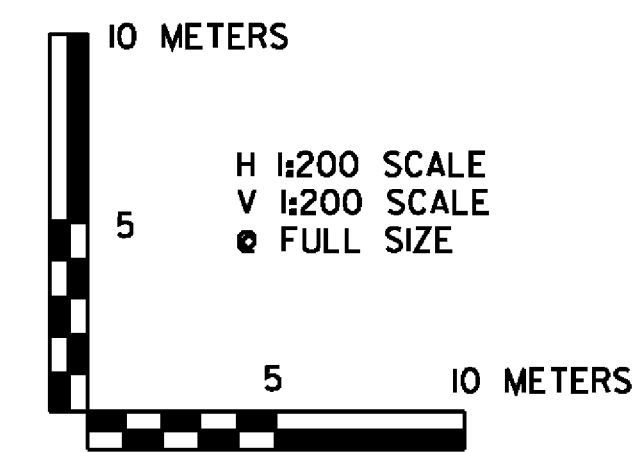


PROJECT NAME:	BENNINGTON
PROJECT NUMBER:	AC NH 019-1(52)
FILE NAME:	...plot_files\zd307c2xs_nb.prf
DESIGN SUPERVISOR:	GREG EDWARDS
DESIGNED BY:	MARC FOISY
PROJECT DATE:	5/16/2011
DRAWN BY:	STANTEC
CHECKED BY:	GARY SANTY
NB MAINLINE CROSS SECTIONS NBX-27 SHEET 220 OF 267	

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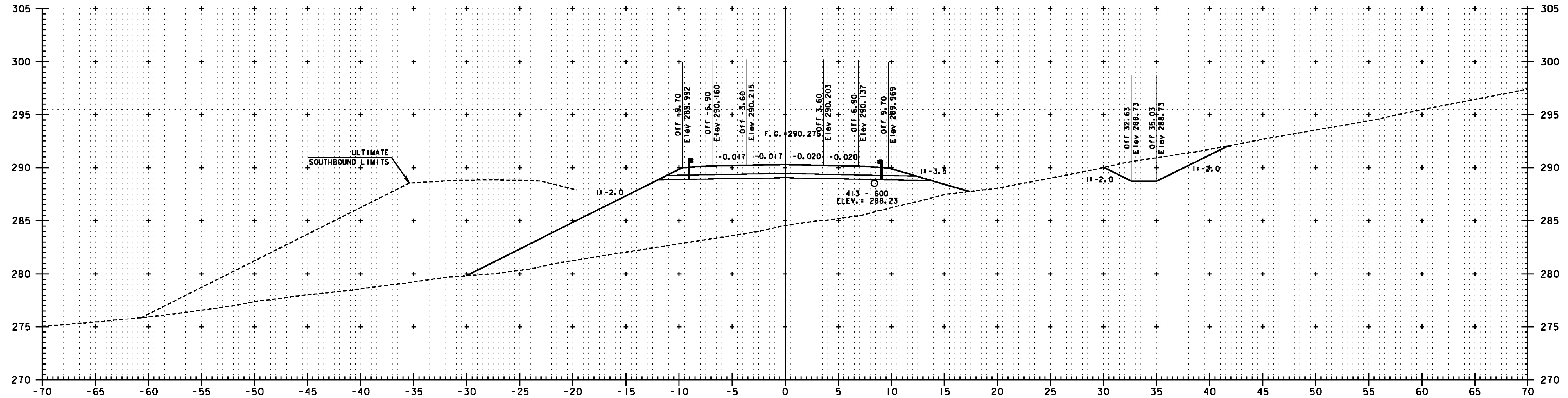


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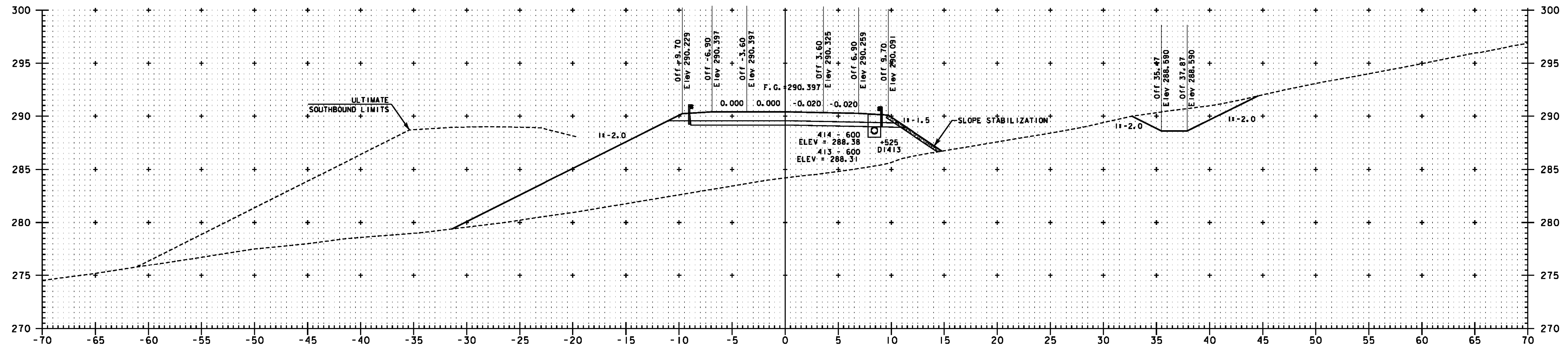


VERMONT AGENCY OF TRANSPORTATION	
PROJECT NAME: BENNINGTON	PROJECT NUMBER: AC NH 019-1(52)
FILE NAME: ...plot_files\zd307c2xs_nb.prf	PLOT DATE: 5/16/2010
DESIGN SUPERVISOR: GREG EDWARDS	DRAWN BY: STANTEC
DESIGNED BY: MARC FOISY	CHECKED BY: GARY SANTY
NB MAINLINE CROSS SECTIONS NBX-28	
SHEET 221 OF 267	

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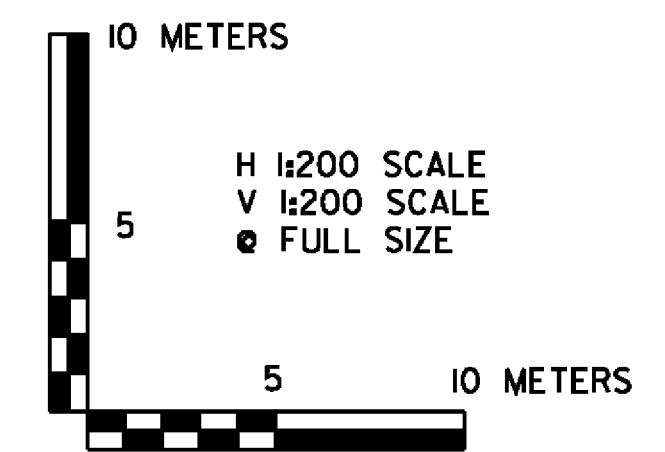


NB 7+540



NB 7+520

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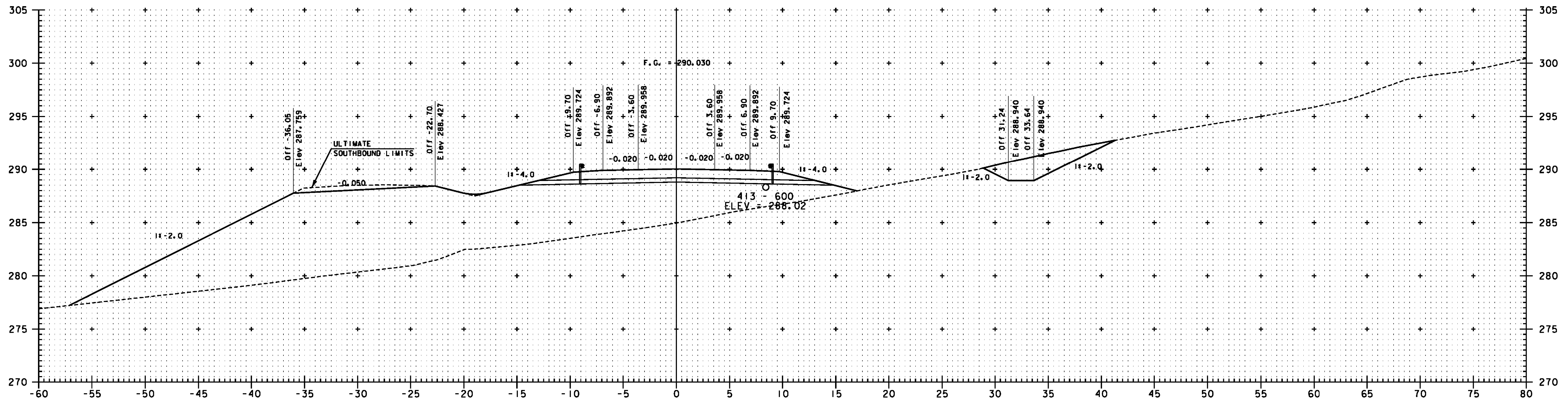


VERMONT AGENCY OF TRANSPORTATION

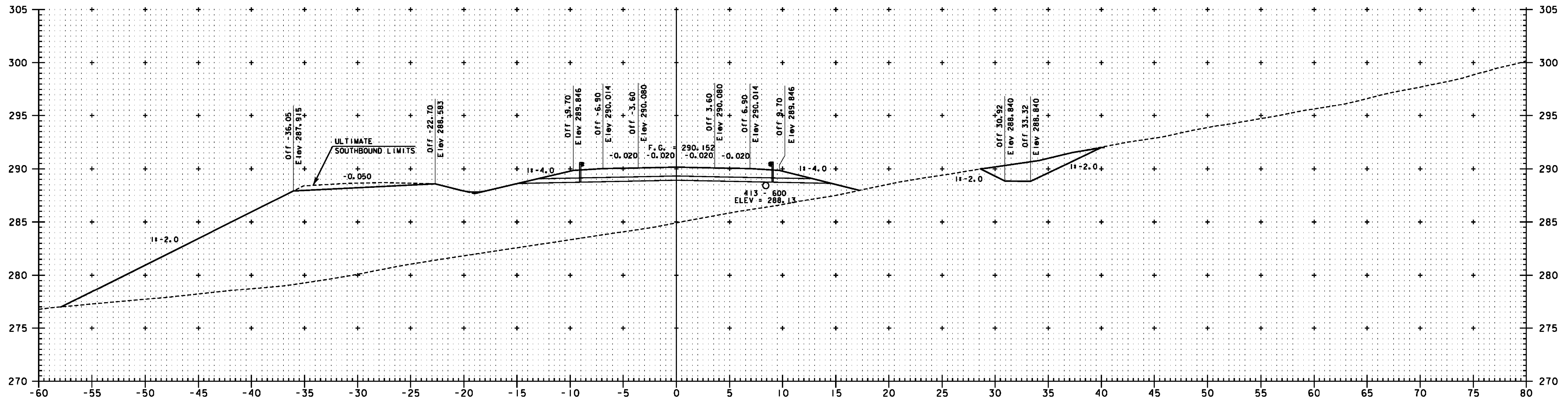


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PROJECT NUMBER:	AC NH 019-(52)	DESIGN SUPERVISOR:	GREG EDWARDS	DRAWN BY:	STANTEC
		DESIGNED BY:	MARC FOISY	CHECKED BY:	GARY SANTY
					NB MAINLINE CROSS SECTIONS NBX-29
					SHEET 222 OF 267

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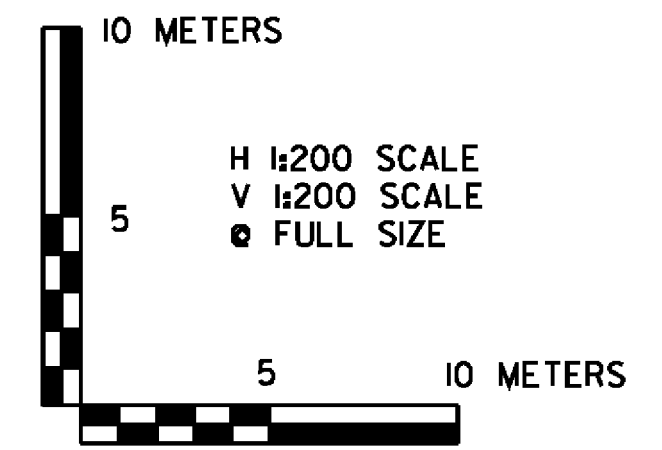


NB 7+580



NB 7+560

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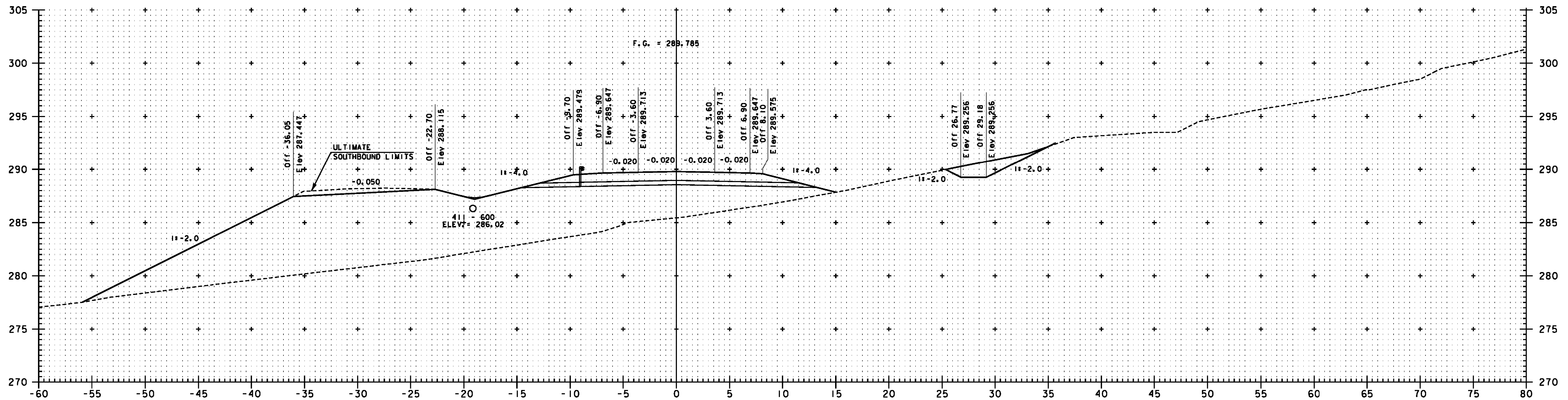


VERMONT AGENCY OF TRANSPORTATION

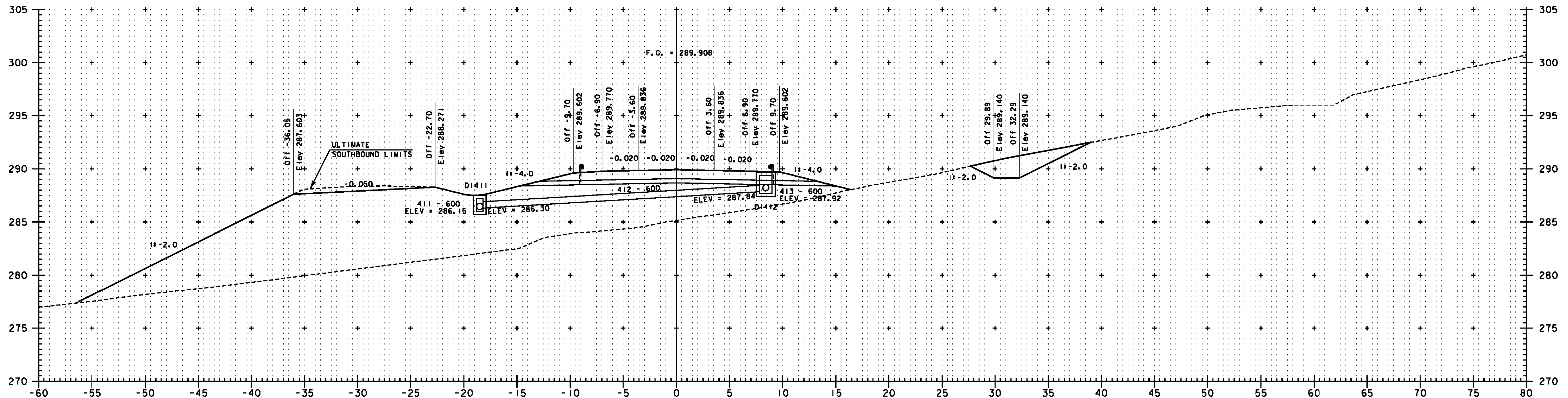


PROJECT NAME: BENNINGTON
 PROJECT NUMBER: AC NH 019-1(52)
 FILE NAME: ...plot_files\zd307c2xs.nb.prf PLOT DATE: 5/16/2011
 DESIGN SUPERVISOR: GREG EDWARDS DRAWN BY: STANTEC
 DESIGNED BY: MARC FOISY CHECKED BY: GARY SANTY
 NB MAINLINE CROSS SECTIONS NBX-30 SHEET 223 OF 267

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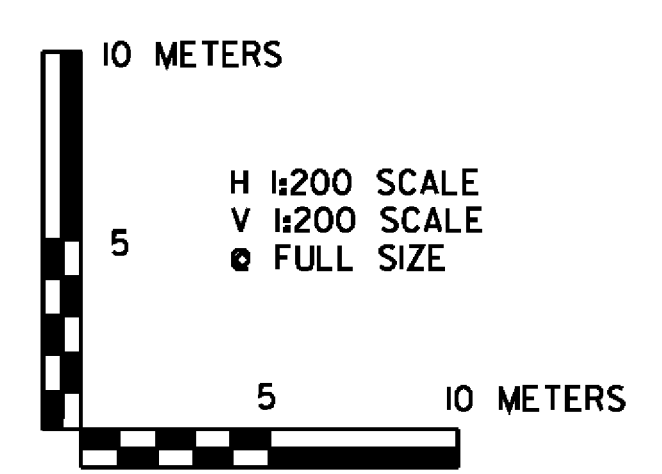


NB 7+620



NB 7+600

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VERMONT AGENCY OF TRANSPORTATION

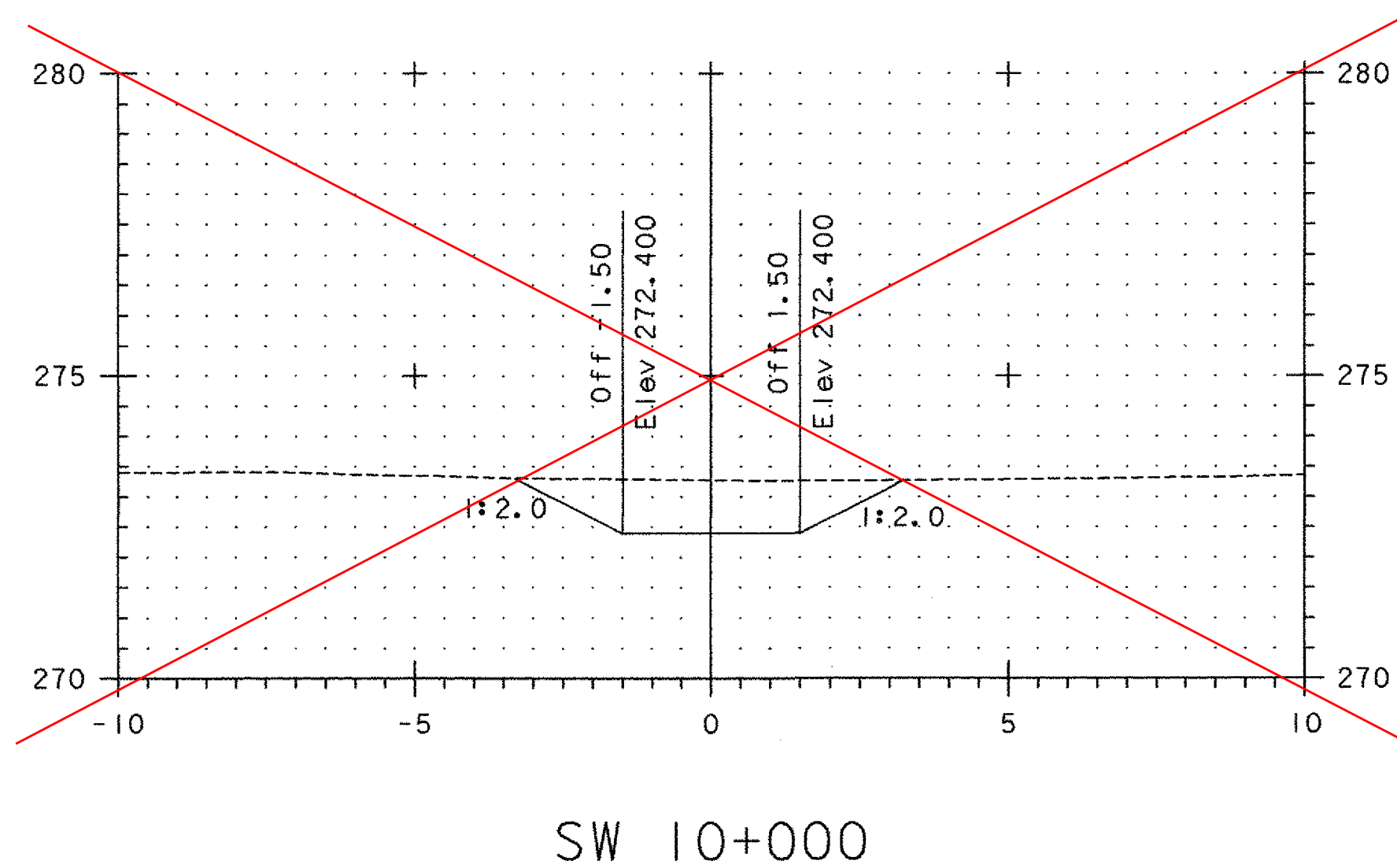
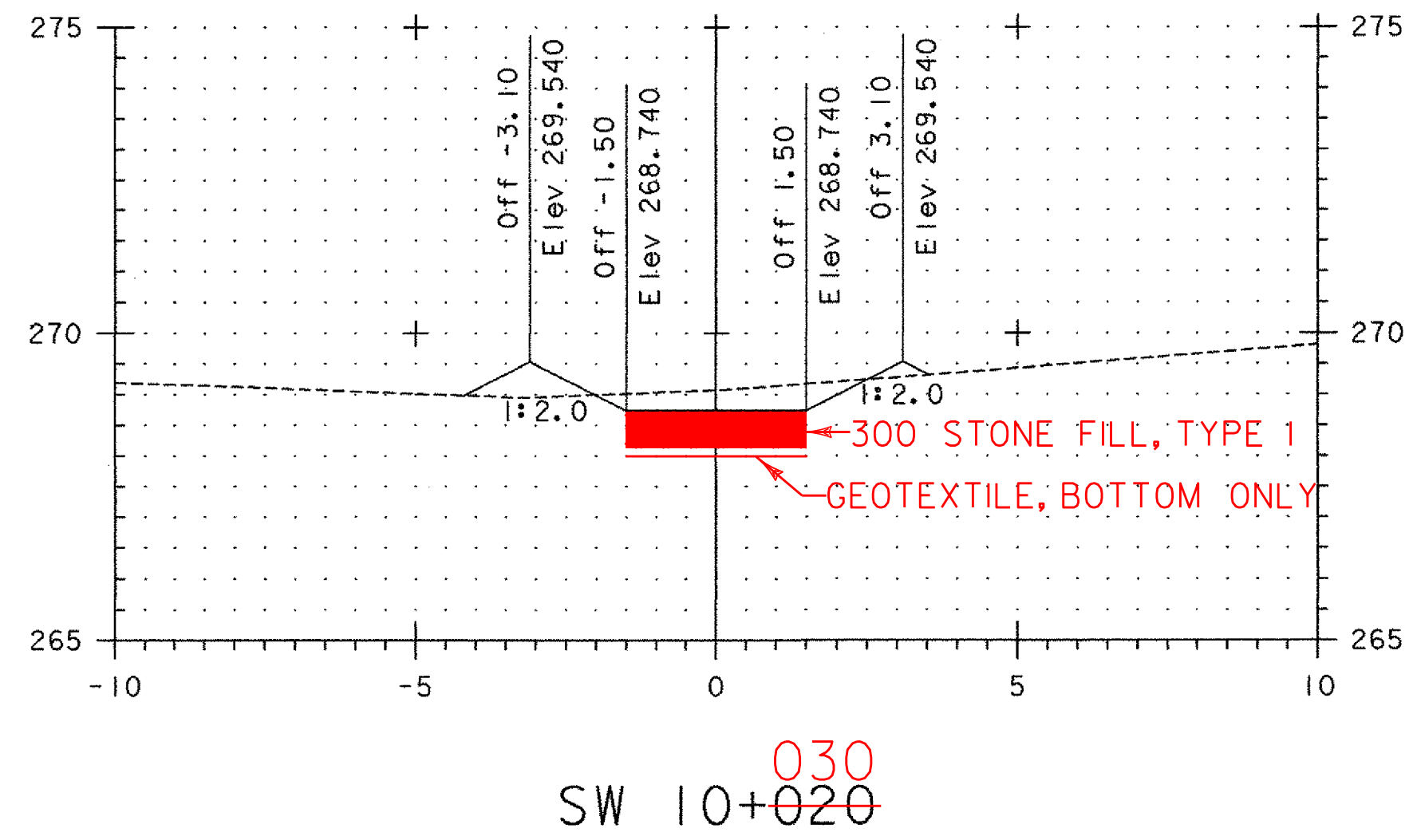
PROJECT NAME: BENNINGTON
 PROJECT NUMBER: AC NH 019-1(52)

FILE NAME: ...plot_files\zd307c2xs_nb.prf
 DESIGN SUPERVISOR: GREG EDWARDS
 DESIGNED BY: MARC FOISY

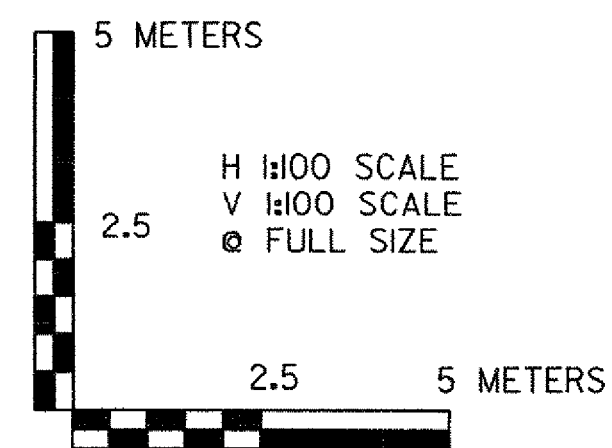
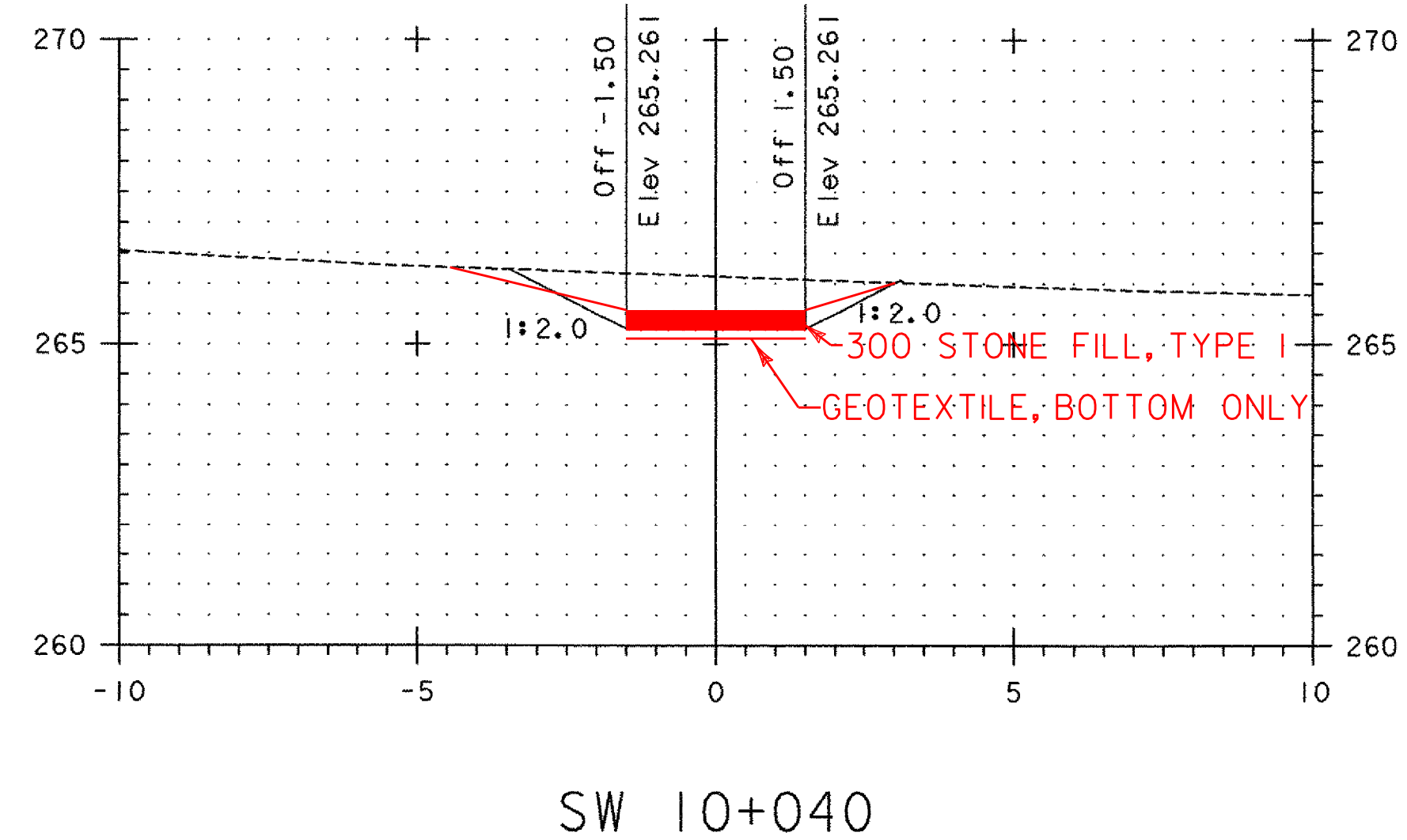
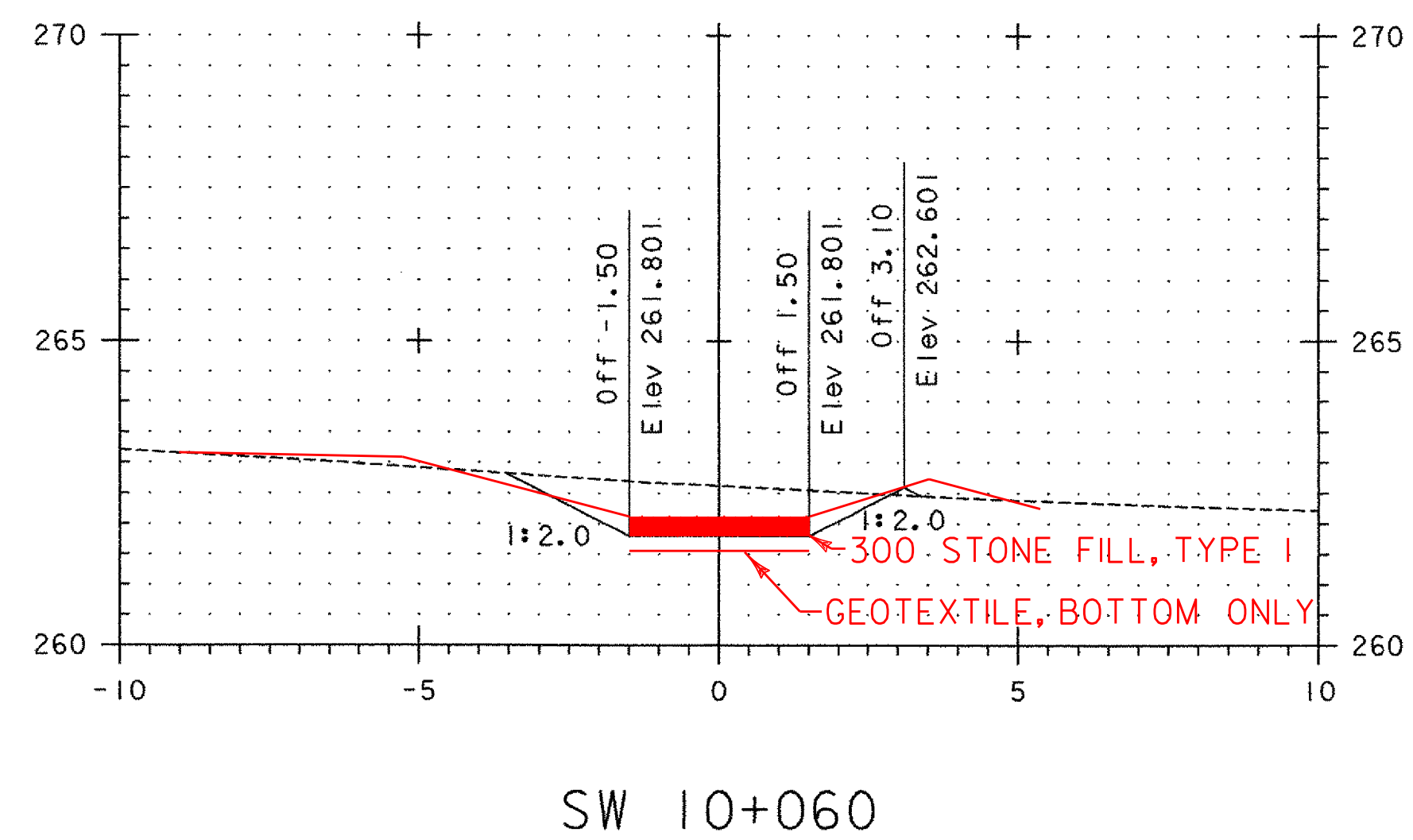
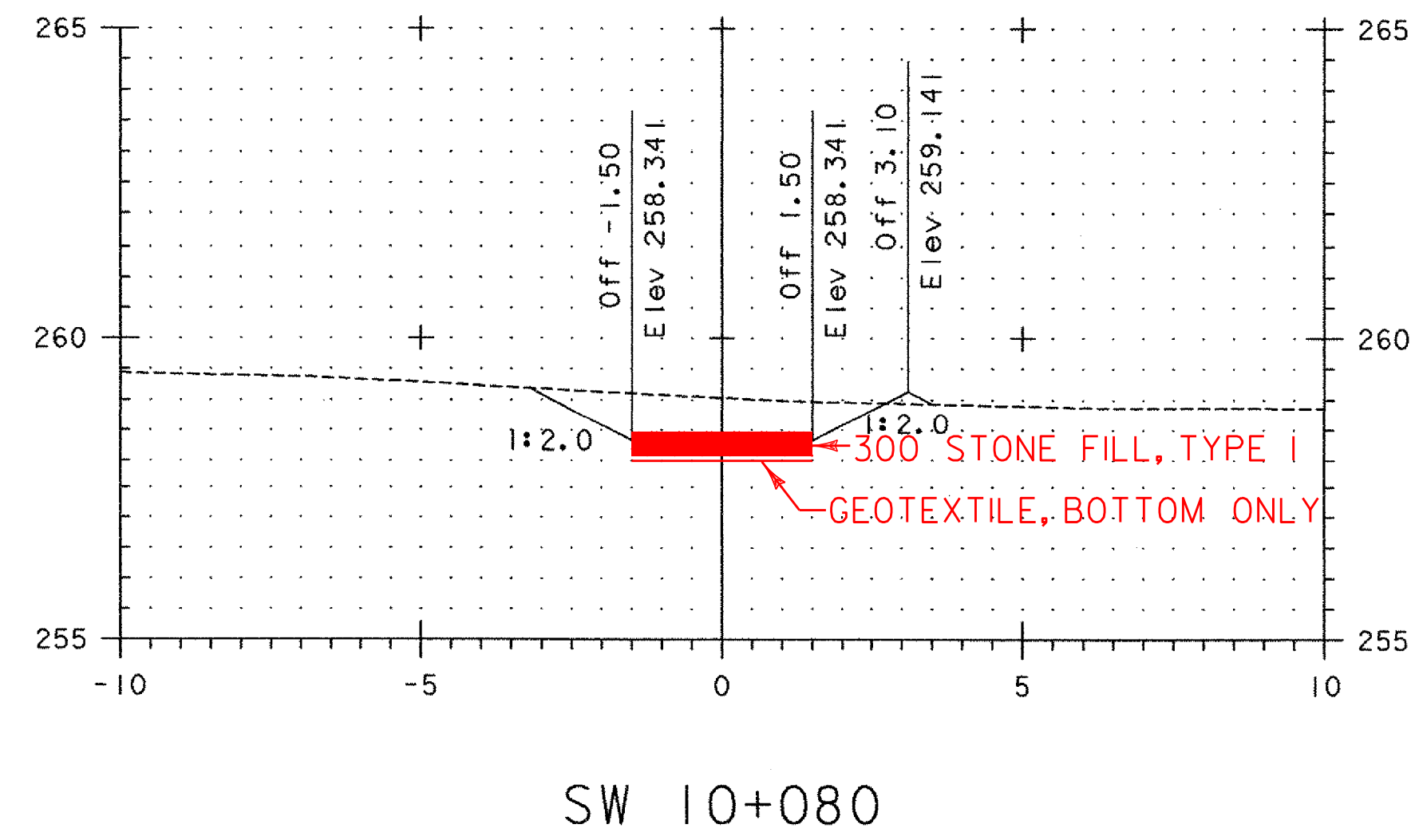
PLOT DATE: 5/16/2011
 DRAWN BY: STANTEC
 CHECKED BY: GARY SANTY

NB MAINLINE CROSS SECTIONS NBX-31 SHEET 224 OF 267

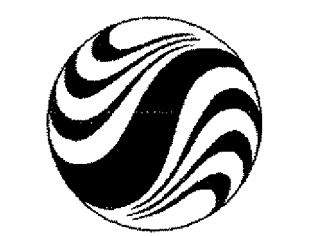
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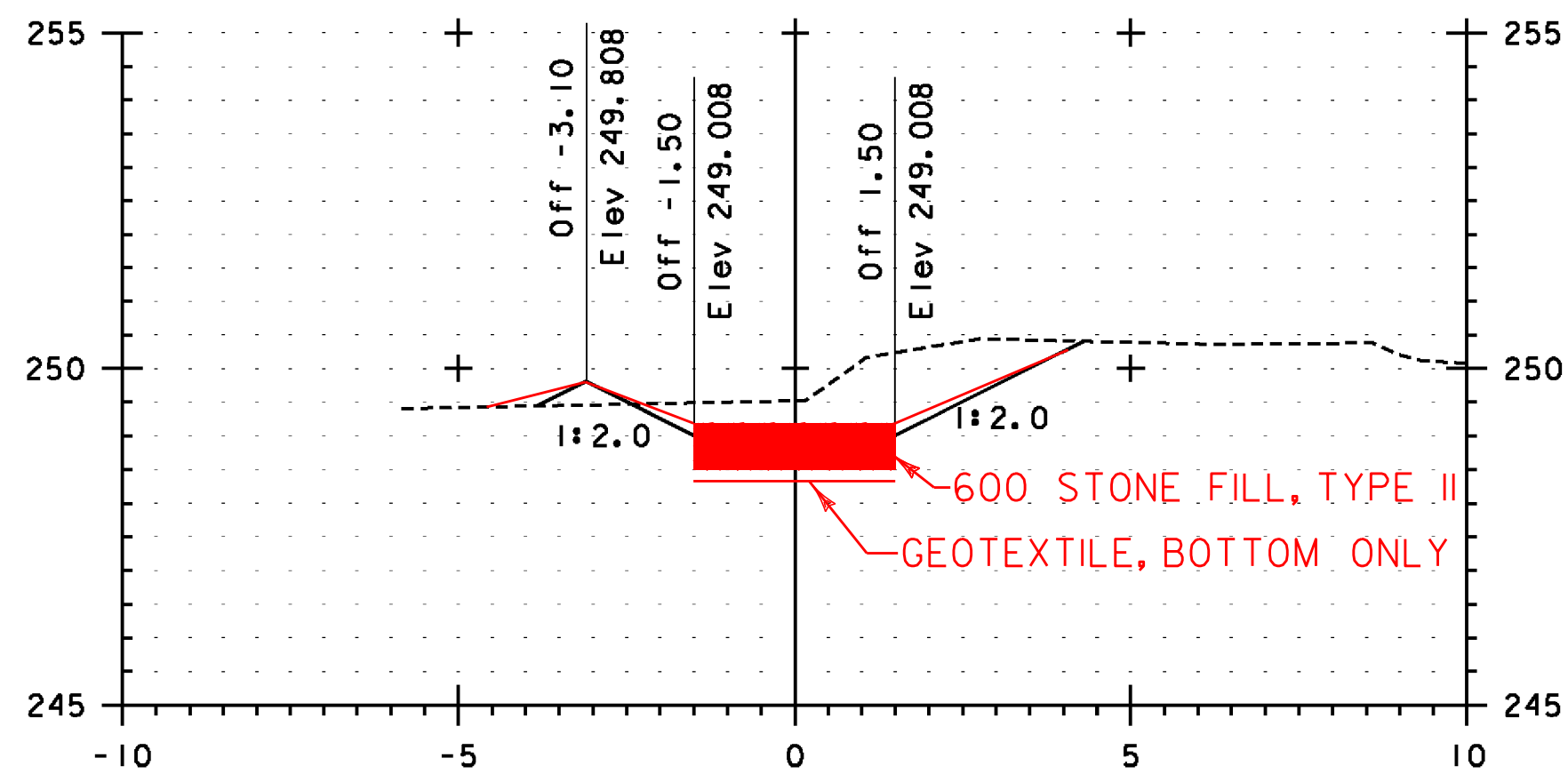
SW 1+000 TO SW 1+030
IS NOT SWALE
IT IS STONE OUTLET
PROTECTION FOR CV439



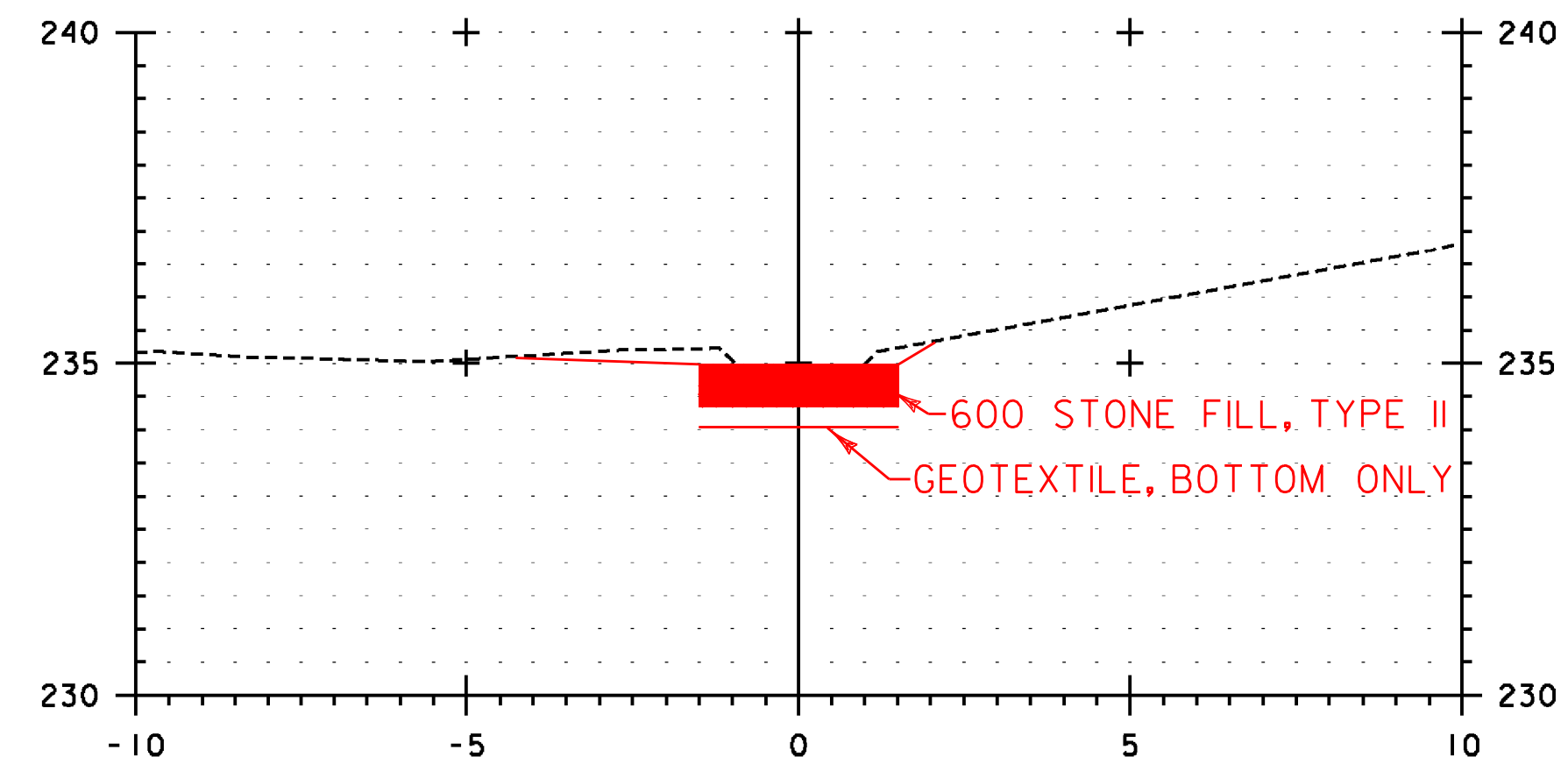
VERMONT AGENCY OF TRANSPORTATION



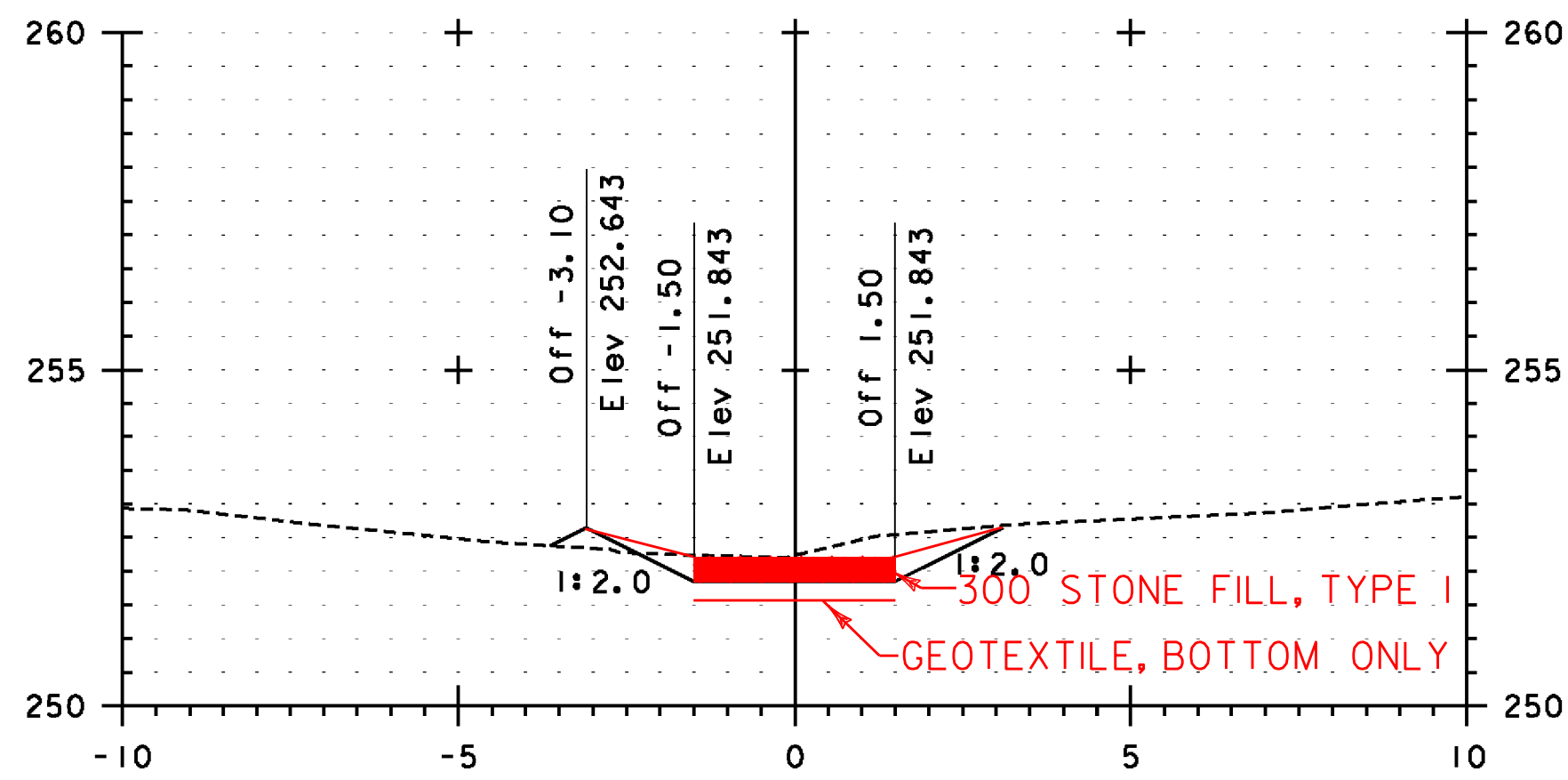
PROJECT NAME: BENNINGTON	PLOT DATE: 12/20/2007
PROJECT NUMBER: AC NH 019-1(K52)	DRAWN BY: STANTEC
FILE NAME: ...vd307c2xs-prouty.pft	CHECKED BY: GARY SANTY
DESIGN SUPERVISOR: GREG EDWARDS	SHEET 266 OF 267
DESIGNED BY: MARC FOISY	
PROUTY SWALE CROSS SECTIONS PSX-1	



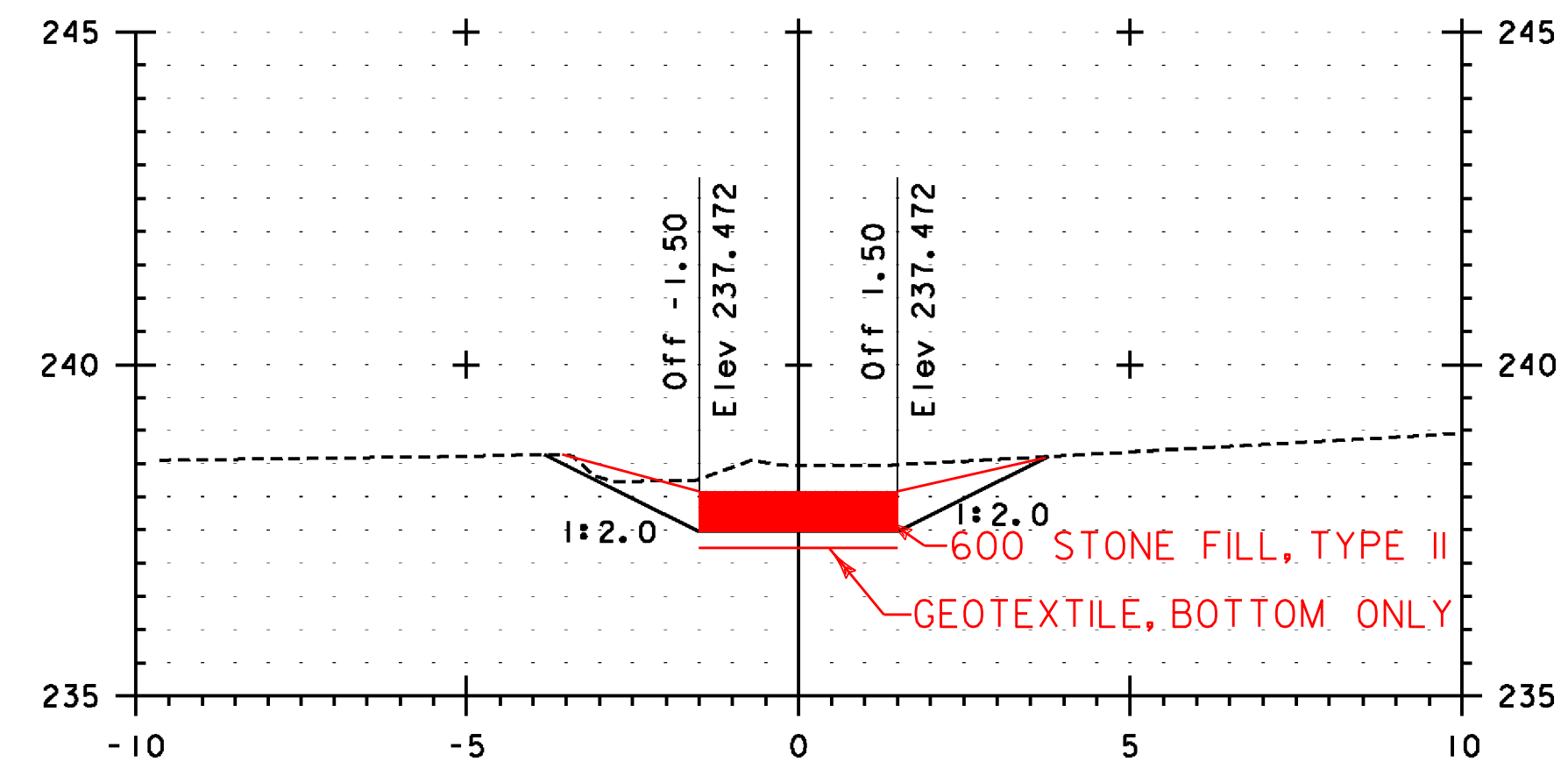
SW 10+140



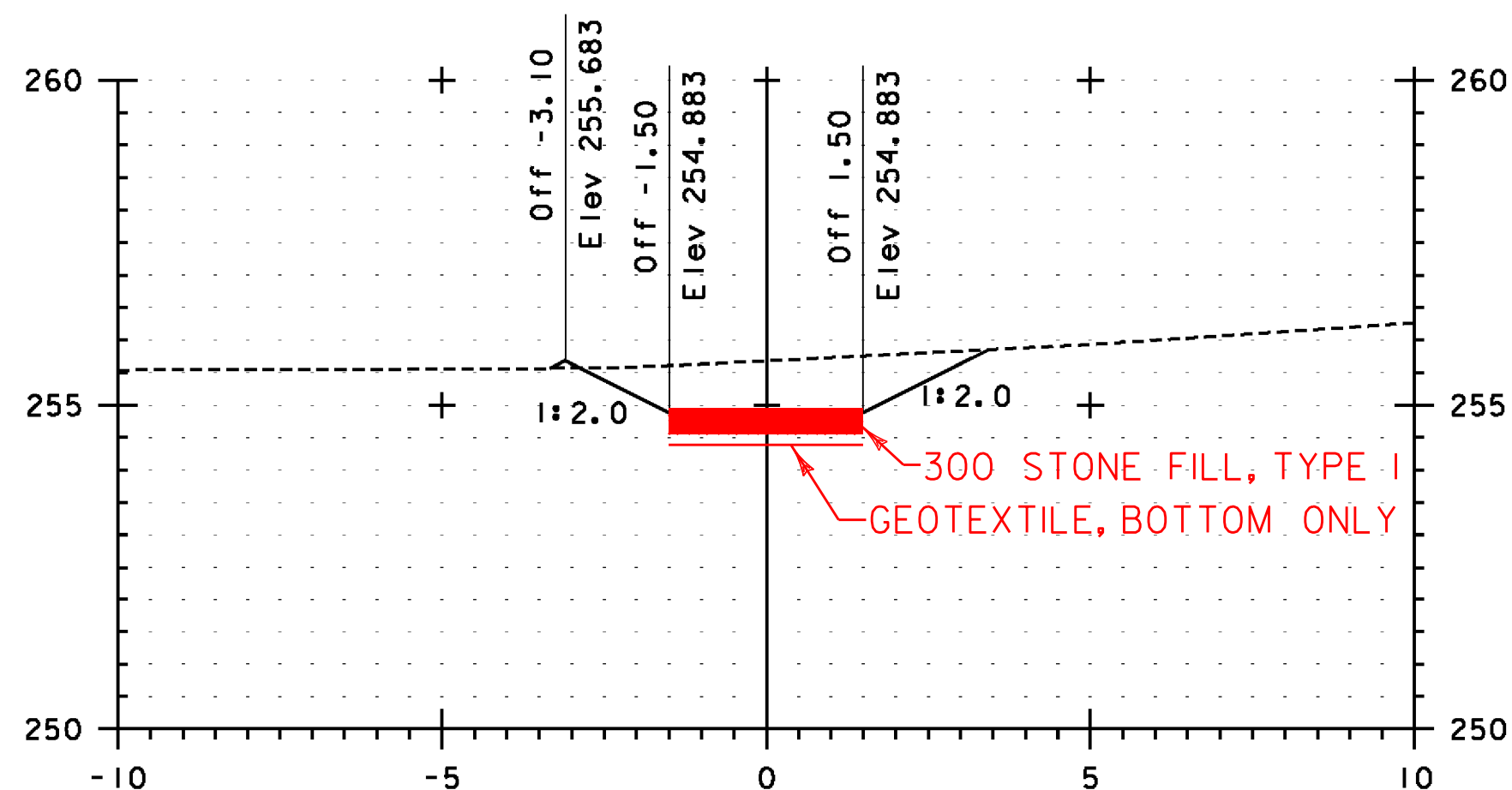
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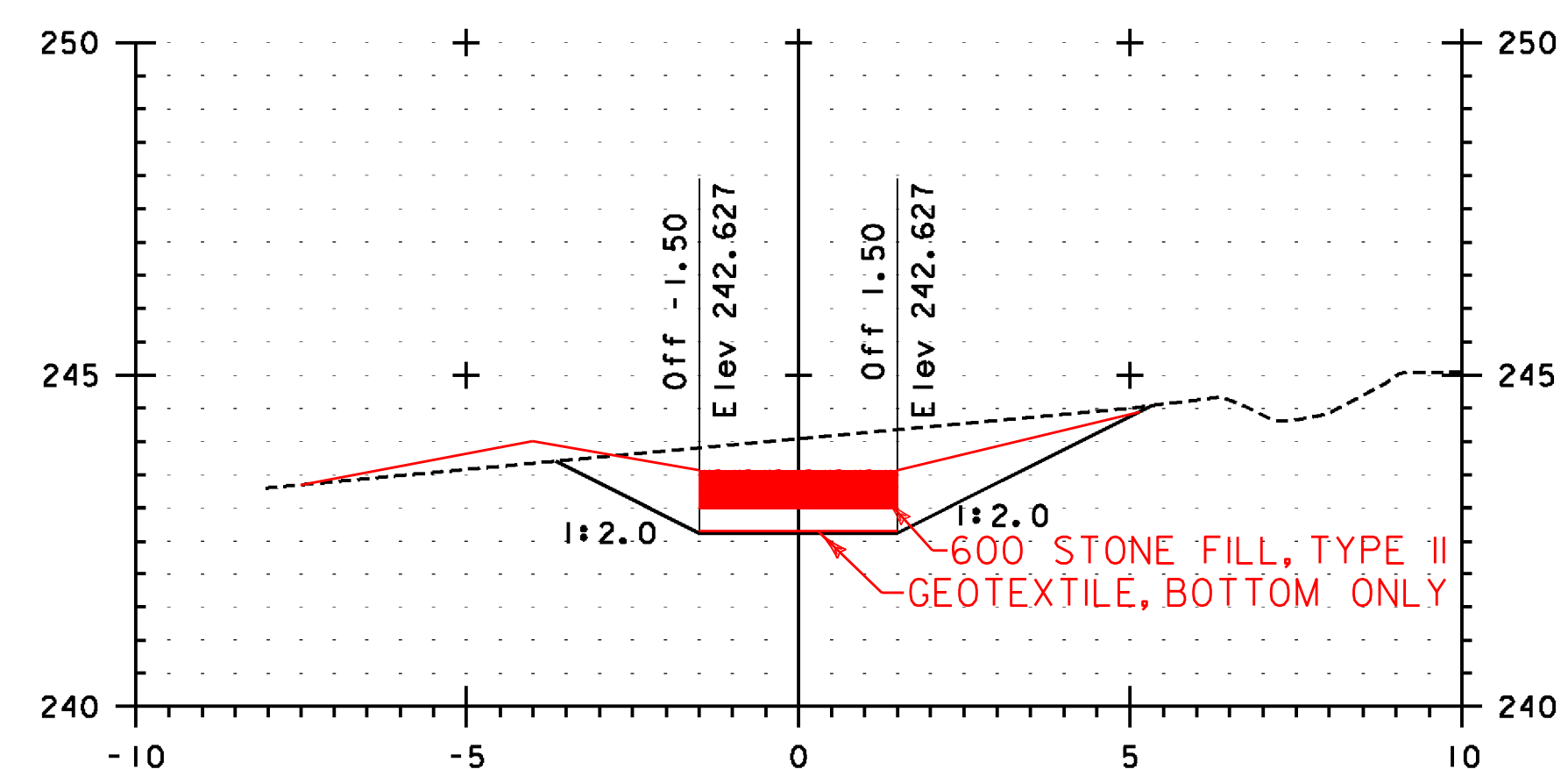
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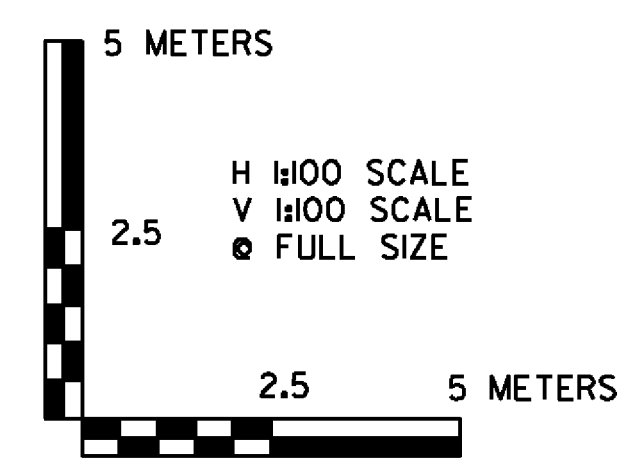
SW 10+180



SW 10+100



SW 10+160



VERMONT AGENCY OF TRANSPORTATION	
	PROJECT NAME: BENNINGTON
	PROJECT NUMBER: AC NH 019-1(52)
FILE NAME: ...zd307c2xs.prouty.ptf	PLOT DATE: 5/18/2011
DESIGN SUPERVISOR: GREG EDWARDS	DRAWN BY: STANTEC
DESIGNED BY: MARC FOISY	CHECKED BY: GARY SANTY
PROUTY SWALE CROSS SECTIONS PSX-2	SHEET 267 OF 267

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