INDEX OF SHEETS

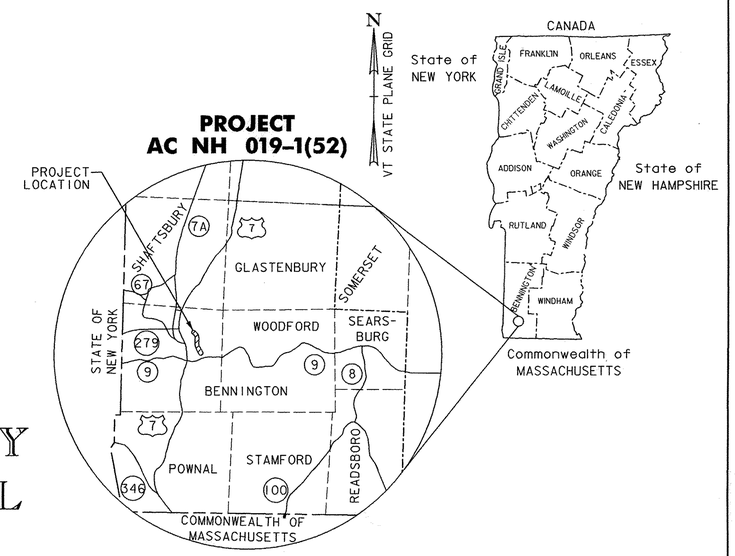
SEE SHEET 2

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

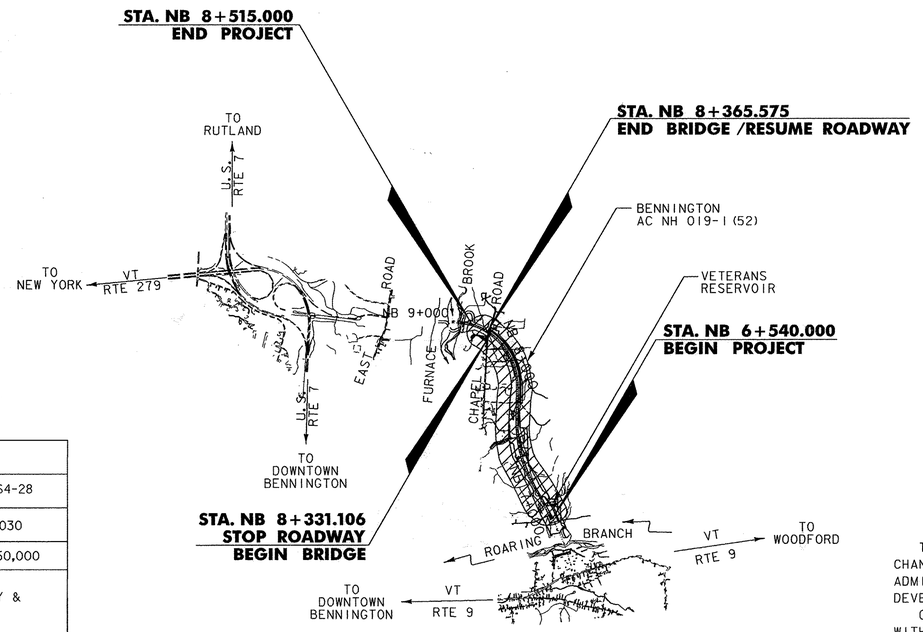
RECORD PLANS BY: RON LEMAIRE & AMOS KEMPTON

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

BY _____ 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
GUARDRAIL
RAILROAD
SURVEY LINE
CULVERT
POWER POLE
TELEPHONE POLE
TREES
CONTROL OF ACCESS
PROPERTY LINE
R.O.W. TAKING LINE
SLOPE RIGHTS (SR)
TOP OF CUT
TOE OF SLOPE
ARCHEOLOGICAL (ARCH)
CLEAR ZONE (CZ)
WETLAND DELINEATION

BITUMINOUS CONCRETE PAVEMENT
SUPERPAVE MIX DESIGN CRITERIA

DESIGN GYRATION	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)

500 0 500 M
GRAPHIC SCALE
1:25,000 @ FULL SIZE



Gary A. Samy
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.

Metric

UNLESS NOTED OTHERWISE

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

Stantec

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
APPROVED Mark D Richter DATE 2-11-08
DIVISION ADMINISTRATOR

DIRECTOR OF PROGRAM DEVELOPMENT
APPROVED _____ DATE 1-9-08

PROJECT MANAGER : JAMES HARRIS

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

SHEET 1 OF 267 SHEETS

V:\1953\active\19530002\transportation\drawing\contract_2\plot_files\z0307c2t1.plt

DRAWN ON FINAL PLANS - LARGE SET

Calculation Book Number _____ Calculation Sheet Number 6/4/07

Project Bennington AC NH 019-1(52)

Line Item# _____ Page Number _____ of _____

Item# _____ Field Measured by _____

Location NB 7+485 - 7+640 on _____

Layout	Mark	Station Rt/Lt & Centerline - Notes
	STA	
START POINT	7+485	30.0 m LT
	7+485	24.5 m LT
	7+489	24.5 m LT
	7+488	17.0 m LT
	7+579	4.0 m LT
	7+485	℄
	7+489	4.0 m RT
	7+533	3.0 m RT
	7+640	8.0 m RT
	7+638	58.0 m LT
	7+634.5	58.0 m LT
	7+639	4.5 m RT
	7+633	8.5 m RT
	7+632	9.0 m LT
	7+530.5	9.0 m LT
	7+530.5	14.5 m LT
	7+520	19.5 m LT
	7+521	35.5 m LT
	7+538.9	34.0 m LT
	7+535.5	42.0 m LT
	7+581	48.5 m LT
	7+538	47.5 m LT
	7+536	46.0 m LT
	7+620	47.0 m LT
	7+630	43.5 m LT
	7+630	34.5 m LT
	7+581	5.20 m LT
	7+567	8.0 m LT
	7+620	28.5 m LT
	7+485	30 m LT START POINT

Computed by _____ Date _____ Checked by _____ Date _____

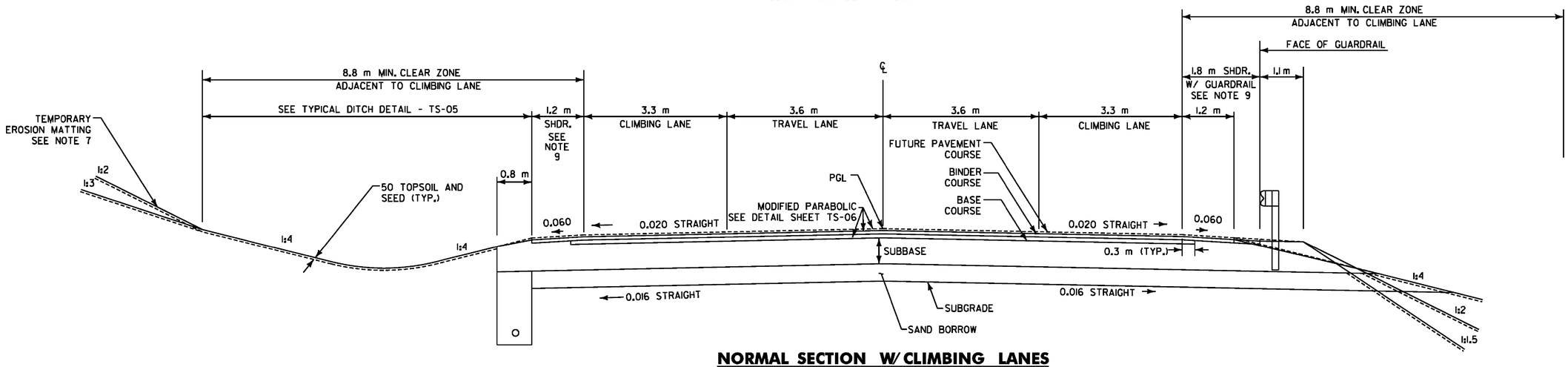
TYPICAL SECTION - MAINLINE: WITH CLIMBING LANES

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 IIIS)	**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 IIIS)	**NOT PART OF THIS CONTRACT**
	80	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (TYPE IIS) PG 64-28	

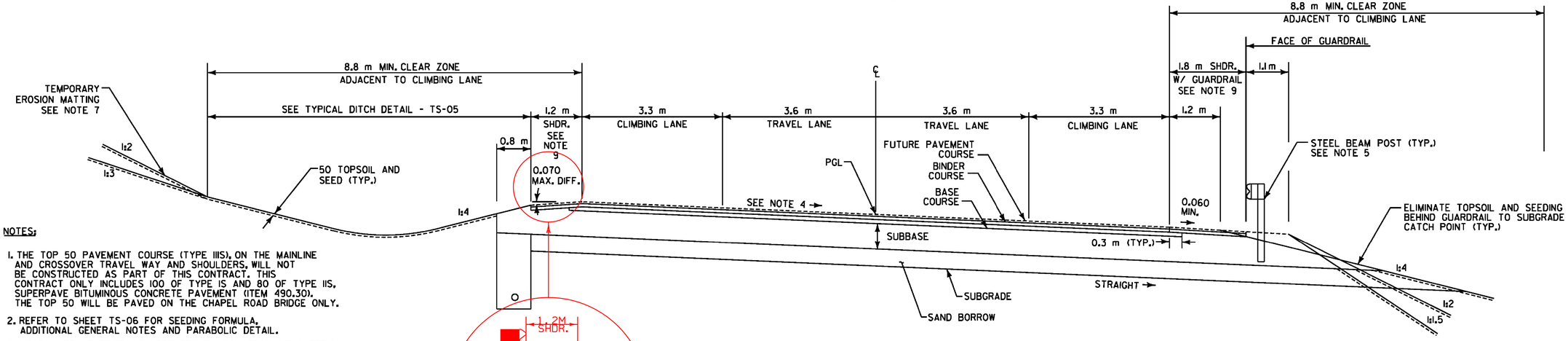
NOTE:

1) DESIGN FROST DEPTH - 1230



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.

PGL=PROFILE GRADE LINE

NOTES:

1. THE TOP 50 PAVEMENT COURSE (TYPE IIIS), 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.
2. REFER TO SHEET TS-06 FOR SEEDING FORMULA, ADDITIONAL GENERAL NOTES AND PARABOLIC DETAIL.
3. NB ℄ & PGL CARRIED AT LEFT TRAVEL WAY FROM NB 8+958.0 TO 10+776.0
4. SEE BANKING DIAGRAM ON PROFILE SHEETS FOR CROSS SLOPES.
5. GUARDRAIL TO BE SET FOR ULTIMATE PAVEMENT ELEVATION.
6. 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.
7. TEMPORARY EROSION MATTING SHALL BE INSTALLED ON ALL SLOPES GREATER THAN 1:3, TO STABILIZE THE SLOPE.
8. FOR DETAIL ON THE CONSTRUCTION OF THE UNDERDRAIN PIPE AND TRENCH REFER TO VTRANS STANDARD DETAIL D-30.
9. 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

Stantec

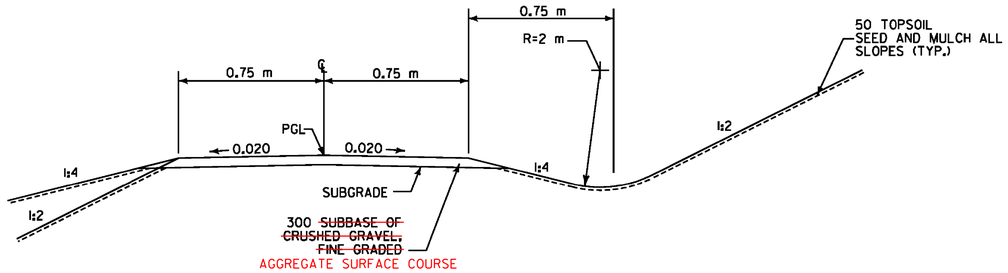
PROJECT NAME: BENNINGTON
PROJECT NUMBER: AC NH 019-1(52)

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

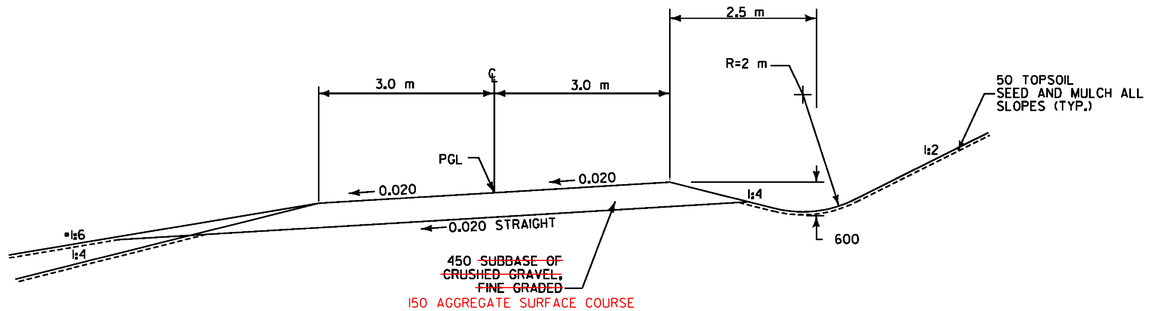
PLOT DATE: 5/16/2011
DRAWN BY: STANTEC
CHECKED BY: GARY SANTY
SHEET 4 OF 267

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

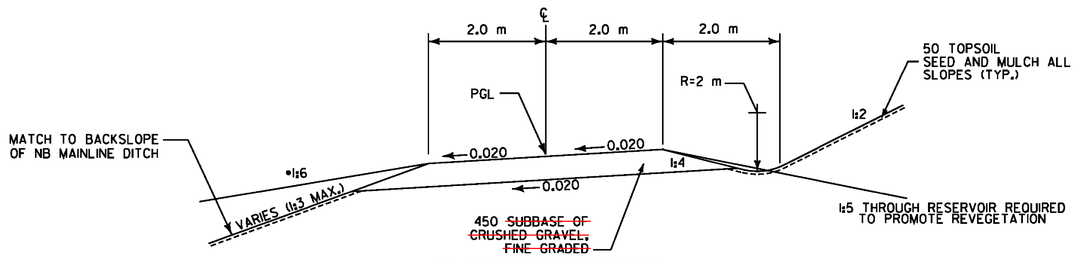


BALD MOUNTAIN TRAIL
NOT TO SCALE



*SIDESLOPES AT THE INTERSECTION (DITCHLINE) OF CHAPEL ROAD TO BE 1:6 OR FLATTER IN ACCORDANCE WITH STANDARD B-71.
300 SUBBASE OF DENSE GRADED CRUSHED STONE AS PER WRITTEN ORDER #50

QUARRY DRIVE
NOT TO SCALE



*SIDESLOPES AT THE INTERSECTION (DITCHLINE) OF MAINLINE TO BE 1:6 OR FLATTER IN ACCORDANCE WITH STANDARD B-71.
300 SUBBASE OF DENSE GRADED CRUSHED STONE AS PER WRITTEN ORDER #50

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

PGL=PROFILE GRADE LINE

Metric

NOTES:

1. 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
2. REFER TO TYPICAL SECTION SHEET, TS-06 FOR SEEDING FORMULA AND ADDITIONAL GENERAL NOTES.

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

VERMONT AGENCY OF TRANSPORTATION

Stantec

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

FILE NAME: ...\plot_files\zd307c2typ.ptf
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

v:\1853\active\18530002\transportation\drawing\contract_2\plot_files\zd307c2typ.ptf

STATE OF VERMONT
AGENCY OF TRANSPORTATION

ITEM DETAIL SHEET

Metric

CURB

BEGIN STATION km + m	END STATION km + m	POSITION LEFT M	POSITION RIGHT M	REMARKS
616.305 - BITUMINOUS CONCRETE CURB, TYPE A				
NB ~~7+120.3~~ 7+118	NB ~~7+612.8~~ 610		492.5	
NB 7+399.0	NB ~~7+600.0~~ 590	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		948.7		
ROUNDING		1.3		
TOTAL		950		

FENCE

BEGIN STATION km + m	END STATION km + m	POSITION	QUANTITY	UNITS
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				
NB ~~6+401.855~~ 6+434	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 km + m	END STATION km + m	POSITION LEFT m	POSITION RIGHT m	END TREATMENT BEGIN ea	END TREATMENT END 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
NB 8+~~135.0~~ 136	8+316.8		181.8	1	
NB 8+~~197.2~~ 218	8+~~310.8~~ 320	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 TEMINAL 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 km + m	END STATION km + m	TYPE	POSITION	DIA. mm	LENGTH m	TRENCH (1) EARTH m^3	TRENCH (1) ROCK m^3	FB ea		MKR PST 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 UNDERDRAINCARRIER 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 QUANITY SHEETS 1-6

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

FILE NAME: zd307c2itemdetail.xls
PROJECT LEADER: GREG EDWARDS
DESIGNED BY: JJS/MARC FOISY
ITEM DETAIL SHEET ID-1

PLOT DATE: 01/23/2008
DRAWN BY: Stantec
CHECKED BY: GARY SANTY
SHEET 15 OF 267

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VTrans Metric

CURVE NB7	
Δ =	90°45'02.2"
R. =	575.000m
T. =	582.583m
L. =	910.741m
E. =	243.552m
BANK=	0.078
PI STA.	NB8+360.674
N =	44859.7020
E =	444732.6710
PC N =	44277.1693
E =	444725.0391
PT N =	44859.7019
E =	444150.0883

CURVE SB7	
Δ =	90°45'0.1"
R. =	547.500m
T. =	554.714m
L. =	867.178m
E. =	231.900m
BANK=	N/A
PI STA.	SB8+320.410
N =	44832.2019
E =	444704.8017
PC N =	44277.5357
E =	444697.5410
PT N =	44832.2019
E =	444150.0879

CURVE QR1	
Δ =	57°51'50.8"
R. =	603.300m
T. =	333.480m
L. =	609.284m
E. =	86.033m
BANK=	N/A
PI STA.	QR1+520.333
N =	44610.2574
E =	444757.7022
PC N =	44276.8060
E =	444753.3381
PT N =	44791.3254
E =	444477.6607

DRIVE GATE FOR CHAIN LINK FENCE (TYPE II)
STA. QR 1+420, LT-RT

CONSTRUCT DRIVE
STA. QR 1+433.3, RT. (7.2 m GRAVEL)
STA. QR 1+480.0, RT. (7.2 m GRAVEL)

VT. STATE PLANE GRID N

EXIST. CVPS UTILITY EASEMENT
EXISTING VT TRANSCO UTILITY EASEMENT

CANNISTRACI, ANTHONY A. & ANGELA J.

APPROXIMATE LOCATION OF LAID OUT PENN. ROAD 20' WIDE

TOWN OF BENNINGTON

FORREST, SHIRLEY E. ESTATE

GREENE, FRANCIS E. JR.
GREENE, JOSHUA H.

EXISTING CVPS UTILITY EASEMENT
EXISTING VT TRANSCO UTILITY EASEMENT

EXISTING VT TRANSCO UTILITY EASEMENT

EXISTING VERIZON UTILITY EASEMENT

MATCH LINE STA. NB 7+780, ROW-10

MATCH LINE STA. NB 8+420, ROW-12

MATCH LINE ROW-11A

MATCH LINE ROW-12A

RELOCATED UTILITY EASEMENT

QUARRY ACCESS DRIVE

RELOCATED PENT RD

Old Penn Road

VT 279 SB

VT 279 NB

CURVE NB7

CURVE QR1

SB 7+800

SB 7+900

SB 8+000

NB 7+800

NB 7+900

NB 8+000

QR 1+300

QR 1+400

QR 1+500

NB 7+781.28
20.76 m (68.11') RT

NB 7+816.67
55.00 m (180.45') LT
[L=34.88 m (114.44')
R=520.00 m (1706.03')]
[159.38 m (522.90')]

NB 7+871.28
32.96 m (108.14') RT

NB 7+873.57
20.76 m (68.11') RT

NB 7+887.13
55.00 m (180.45') LT

NB 7+936.73
51.94 m (170.41') RT

NB 7+945.56
20.76 m (68.11') RT

NB 7+969.66
41.93 m (137.57') RT

NB 7+970.51
55.00 m (180.45') LT

NB 8+012.15
20.76 m (68.11') RT

NB 8+018.39
20.76 m (68.11') RT

NB 8+024.77
20.76 m (68.11') RT

NB 8+051.28
55.00 m (180.45') LT

NB 8+063.99
55.00 m (180.45') LT

NB 8+043.77
55.00 m (180.45') LT

NB 8+100
[91.28 m
(299.47')]

NB 8+114.69
20.76 m (68.11') RT

L= 11.50 m (37.73')
R=520.00 m (1706.03')

L= 6.79 m (22.28')
R=520.00 m (1706.03')

L=66.25 m (217.36')
R=520.00 m (1706.03')

L=75.41 m (247.41')
R=520.00 m (1706.03')

L=63.72 m (209.05')
R=520.00 m (1706.03')

L=87.10 m (285.76')
R=520.00 m (1706.03')

L= 6.61 m (21.69')
R=595.76 m (1954.59')

L= 6.46 m (21.19')
R=595.76 m (1954.59')

L=68.99 m (226.35')
R=595.76 m (1954.59')

L=74.59 m (244.72')
R=595.76 m (1954.59')

L=93.21 m (305.81')
R=595.76 m (1954.59')

[L=3.30 m (10.83')
R=595.76 m (1954.59')]

[L=95.83 m (313.75')
R=595.76 m (1954.59')]

[L=177.71 m
(583.04')
R=595.76m
(1954.59')]

15.24 m
(50.00') WIDE

[59.95 m (196.69')]
[62.73 m (205.80')]
[64.89 m (212.89')]
[113.73 m (373.13')]
[120.54 m (395.47')]
[215.34 m (706.50')]
[41.69 m (136.78')]
[72.94 m (239.30')]
[9.15 m (30.02')]
[61.78 m (202.69')]

76.96 m (252.56')
79.64 m (261.29')
82.23 m (269.78')
84.74 m (278.02')
94.89 m (311.32')
9.14 m (30.00')
72.75 m (238.68')
32.57 m
32.06 m

50E 44E 50D 50B 50A 50F 69 52A 52B 52C 52D 54A 54B 54C 54D 54E 54F 66A 66D 66C 55D 55C

DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83 (1992)

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

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

0 10 20 30
SCALE 1:500
@ FULL SIZE

R.O.W. PLAN
ROW-11

PROJECT NAME: BENNINGTON
PROJECT NUMBER: AC NH 019-1(52)
DESIGN FILE NAME: c:\dh\bennington\row
PROJECT LEADER: JDP
PLOT DATE: 12-18-07
DRAWN BY: MBB
CHECKED BY: GAK
SHEET: 40 OF 267

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~~ 434, ~~71.8m~~ 50m RT. - STA. NB 6+~~490.000~~ 497, ~~75.7m~~ 42m RT.

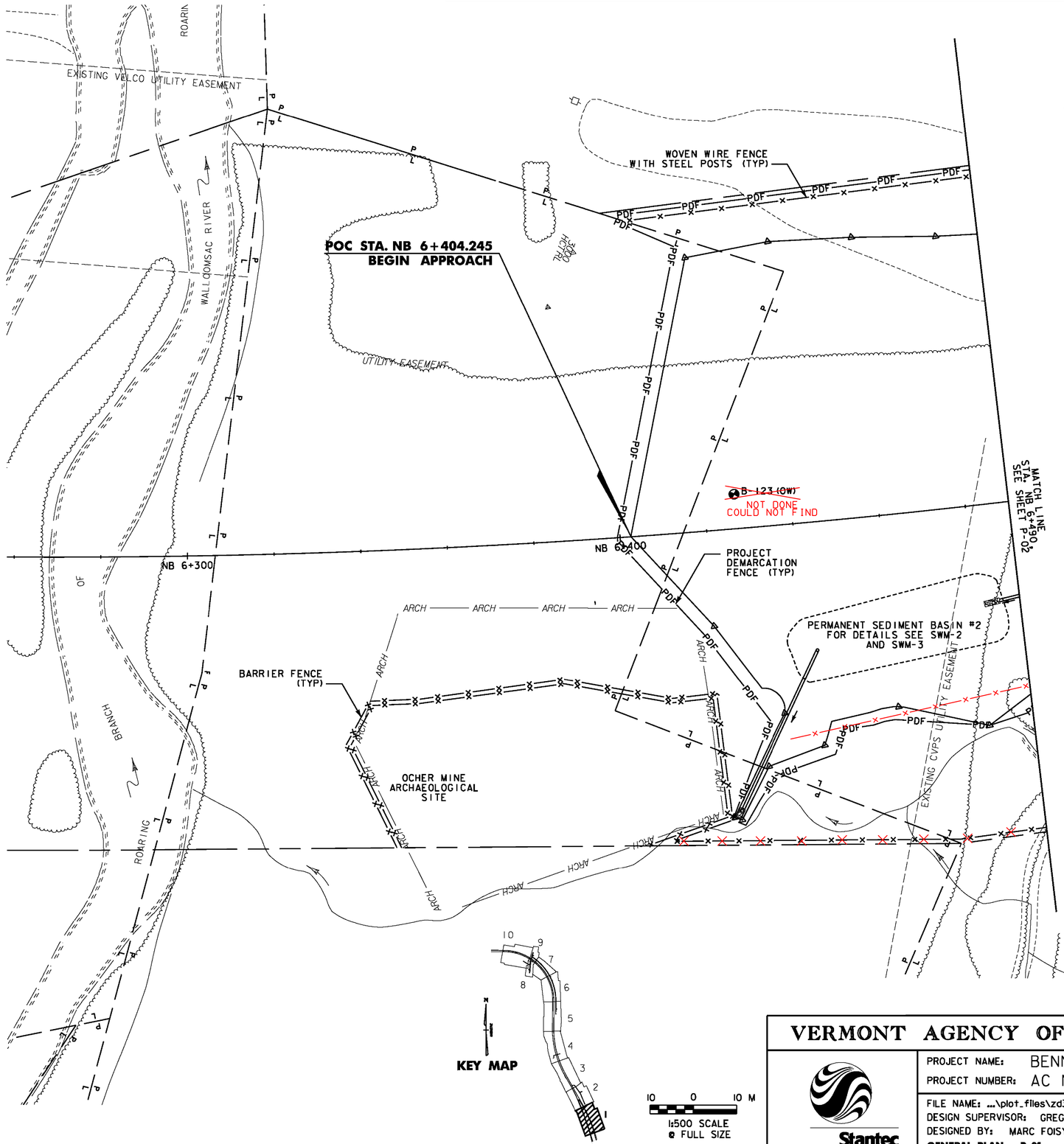
PROJECT DEMARCATION FENCE

STA. NB 6+404.245, 74.2m LT. - STA. NB 6+399.368, ℄.
STA. NB 6+399.368 ℄. - 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 (DECOMMISSION OBSERVATION WELL)~~
~~STA. NB 6+427.000, 8.0 m LT (B-123)~~
NOT DONE
COULD NOT FIND



LEGEND

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

10 0 10 M
1:500 SCALE
@ FULL SIZE

VERMONT AGENCY OF TRANSPORTATION

Stantec

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

FILE NAME: ...\plot_files\zd307c2p01.ptf
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

v:\9531\active\95300002\transportation\drawing\contract_2\plot_files\zd307c2p01.ptf

VAOT Metric

VT STATE PLANE GRID N

WOVEN WIRE FENCE WITH STEEL POST (TYP)

BARRIER FENCE (TYP)

WETLAND Q

WETLAND P

POC STA. NB 6+540.000
END APPROACH
BEGIN PROJECT

~~JUNCTION BOX~~ (TYP) NOT USED ADDED TO CONTRACT 51

APPROXIMATE LOCATION OF 300' DEEP DRILLED WATER WELL

NB 6+600

NB 6+500

VB 1+000

NB 6+700

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

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

MATCH LINE STA. VR 1+120 SEE SHEET P-03

REMOVAL OF EXISTING FENCE

B-26 (OW)

STEEL BEAM GUARDRAIL

NOT USED CEDAR LOG RAIL

VETERANS RESERVOIR ACCESS DRIVE

VR 1+100

STONED LINED INTERCEPTOR DITCH. SEE DETAIL ON SHEET SWM-1.

TYPE II STONE COVERED BY GRUBBINGS

B-27

RELOCATED CVPS DRIVE

CV 5+000

CV 5+100

CV 5+160

B-25 (OW)

GATE FOR CHAIN-LINK FENCE, 1.8m

DRIVE GATE FOR WOVEN WIRE FENCE

EXISTING CVPS UTILITY EASEMENT

PROJECT DEMARCATION FENCE (TYP)

REVISED WOVEN WIRE FENCE

CHAIN-LINK FENCE, 1.8m (TYP)

SPECIAL PROVISION (GABION RETAINING WALL). FOR DETAILS SEE SHEET GBD-1.

LEVEL SPREADER, SEE DETAIL ON SHEET SWM-1

DENSE TREES

DENSE TREES

POT STA. VR 1+000.000
LIMIT OF WORK

OUTLET ELEV = 292.10 SEE OUTLET STRUCTURE DETAILS

BOTTOM ELEV = 291.50 m

10 0 10 M
1:500 SCALE @ FULL SIZE

~~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 6lm 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.

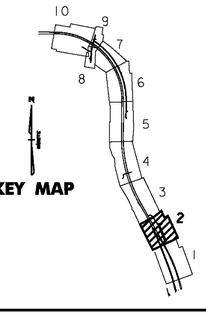
CHAIN-LINK FENCE, 1.8m
STA. VB 1+120.447, 12.6m RT. - STA. VB 1+101.876, 19.8m RT.
STA. VB 1+096.478, 19.2m RT. - STA. VR 1+015.124, 2.5m LT.
STA. VR 1+014.864, 2.5m RT. - STA. VR 1+095.690, 11.2m RT.
STA. VB 1+039.598, 38.4m LT. - STA. VB 1+127.560, 20.7m RT.
STA. VB 1+127.560, 20.7m LT. - STA. VB 1+120.509, 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
~~CEDAR 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



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

VERMONT AGENCY OF TRANSPORTATION

Stantec

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

FILE NAME: ...\plot_files\zd307c2p02.ptf
DESIGN SUPERVISOR: GREG EDWARDS
DESIGNED BY: MARC FOISY
GENERAL PLAN P-02

PLOT DATE: 5/16/2011
DRAWN BY: STANTEC
CHECKED BY: GARY SANTY
SHEET 72 OF 267

v:\1953\active\195310002\transportation\drawing\contract_2\plot_files\zd307c2p02.ptf

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.

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

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.

008STEEL 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.

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

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

VT STATE PLANE GRID N

WOVEN WIRE FENCE WITH STEEL POSTS (TYP)

PROJECT DEMARCATION FENCE (TYP)

MAINTENANCE TURN AROUND

VT 279 NB

NB 6+900

NB 6+800

NB 7+000

CZ

STEEL BEAM GUARDRAIL, GALVANIZED

MANUFACTURED TERMINAL SECTION, FLARED (TYP)

MATCH LINE STA. NB 6+740, SEE SHEET P-02

MATCH LINE STA. VR 1+120, SEE SHEET P-03

MATCH LINE STA. NB 7+090, SEE SHEET P-04

STEEL BEAM GUARD-RAIL

CHAIN-LINK FENCE, 1.8m (TYP)

GATE FOR CHAIN-LINK FENCE, 1.8m

TYPE II STONE COVERED BY GRUBBINGS

CEDAR LOG RAIL NOT USED

0.6m AREA

0.9m AREA

STONED LINED INTERCEPTOR DITCH

RELOCATED UTILITY EASEMENT

RELOCATE TRAIL OUTSIDE ROW AS DIRECTED BY THE RESIDENT ENGINEER. PAID FOR AS 301.26 SUBBASE OF CRUSHED GRAVEL, FINE GRADED.

KEY MAP

10 0 10 M
1:500 SCALE
@ FULL SIZE

VERMONT AGENCY OF TRANSPORTATION

Stantec

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

FILE NAME: ...\plot_files\zd307c2p03.ptf
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\195310002\transportation\drawing\contract_2\plot_files\zd307c2p03.ptf

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.

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.

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.

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.

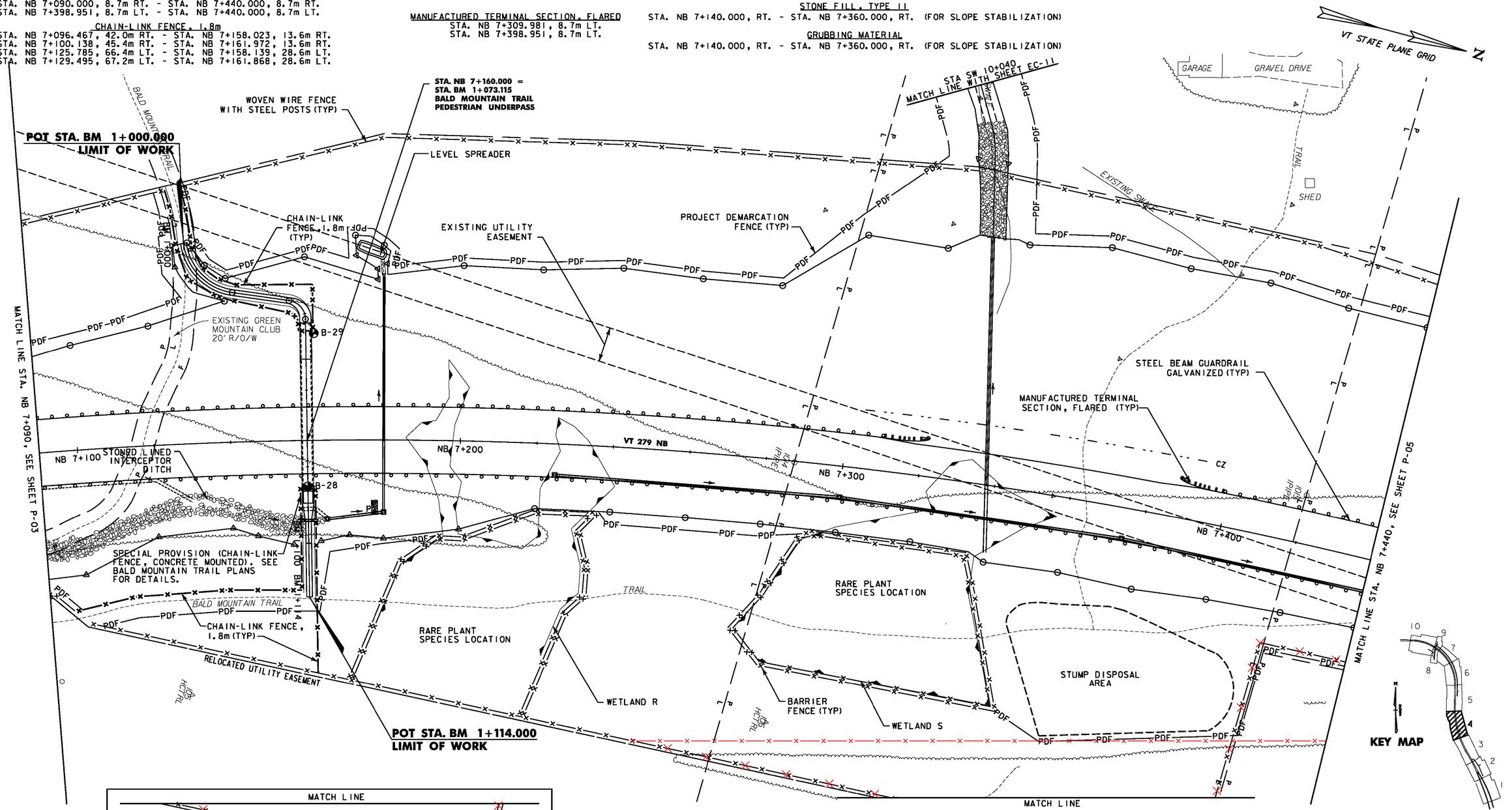
MANUFACTURED TERMINAL SECTION, FLARED
STA. NB 7+309.981, 8.7m LT.
STA. NB 7+398.951, 8.7m LT.

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+118 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.~~

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)



VERMONT AGENCY OF TRANSPORTATION

Stantec

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

FILE NAME: ...\plot_files\zd307c2p04.ptf
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:\1953\active\195310002\transportation\drawing\contract_2\plot_files\zd307c2p04.ptf

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 A 610
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.
470 590

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.
400 588

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

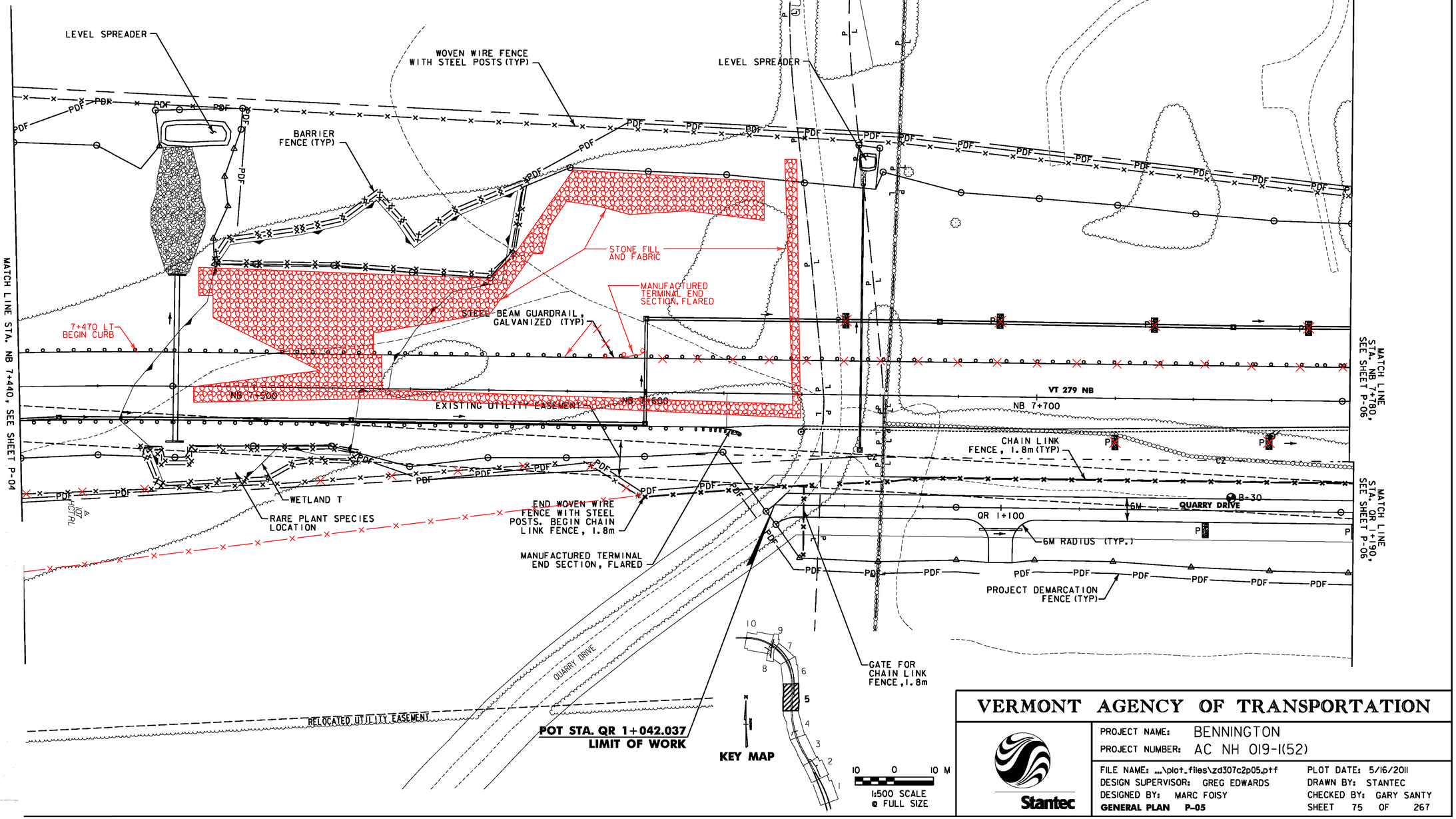
CHAIN-LINK FENCE, 1.8 M
STA. NB 7+599.345, 26.8m RT. - STA. NB 7+640.823, 23.3m RT.
STA. QR 1+049.577, 5.0m LT. - STA. QR 1+190.000, 7.4m LT.
STA. QR 1+049.000, 3.0m LT. - 5.0m LT.
STA. QR 1+049.000, 3.0m RT. - 13.5m RT.

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)

VAOT Metric

N
VT STATE PLANE GRID



Drawn on Final Plans: Larry Lot

Calculation Book Number _____ Calculation Sheet Number _____ 6/4/07
Project Bennington AC NH 019-1(52) _____
Line Item# _____ Page Number _____ of _____
Item# _____ Field Measured by _____
Location NB 7+485 - 7+640 on _____

Layout	Area	Station Left / Right	Details
	27175		
Start Point	7+485	30.4 m LT	
	7+488	24.7 m LT	
	7+489	24.5 m LT	
	7+498	17.0 m LT	
	7+507	6.4 m LT	
	7+515	E	
	7+523	4.4 m RT	
	7+538	3.4 m RT	
	7+540	3.4 m RT	
	7+558	5.4 m LT	
	7+614.5	5.3 m LT	
	7+619	4.3 m RT	
	7+623	6.5 m RT	
	7+632	9.0 m LT	
	7+638.5	9.0 m LT	
	7+638.5	14.5 m LT	
	7+651.0	17.2 m LT	
	7+657.1	35.5 m LT	
	7+672.9	34.0 m LT	
	7+675.5	43.0 m LT	
	7+691	49.5 m LT	
	7+695	51.2 m LT	
	7+736	46.10 m LT	
	7+760	9.72 m LT	
	7+780	8.52 m LT	
	7+780	4.45 m LT	
	7+781	4.30 m LT	
	7+782	8.0 m LT	
	7+820	23.8 m LT	
	7+895	31.0 m LT	STONE FILL

Computed by _____ Date _____ Checked by _____ Date _____

VERMONT AGENCY OF TRANSPORTATION

Stantec

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

FILE NAME: ...\plot_files\zd307c2p05.ptf
DESIGN SUPERVISOR: GREG EDWARDS
DESIGNED BY: MARC FOISY
GENERAL PLAN P-05

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

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

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.

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

STEEL BEAM GUARDRAIL, GALVANIZED
STA. NB 7+780.000, 8.7m LT. - STA. NB 7+~~799~~588.000, 8.7m LT.

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

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

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.

VT STATE PLANE GRID

WOVEN WIRE FENCE WITH STEEL POSTS
LEVEL SPREADER
REMOVE EXISTING FENCE
PROJECT DEMARCATION FENCE (TYP)
MANUFACTURED ~~TERMINAL SECTION, FLARED~~
~~STEEL BEAM GUARDRAIL, GALVANIZED~~
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, SEE SHEET P-07
MATCH LINE STA. QR 1+510, SEE SHEET P-07
NOT INSTALLED STORMWATER AMENDMENT UNDER CONTRACT 51
NB 7+800
NB 7+900
NB 8+000
QR 1+200
QR 1+300
QR 1+400
QR 1+500
VT 279 NB
B-3?
QUARRY DRIVE
GATE FOR CHAIN-LINK FENCE, 1.8m
CHAIN-LINK FENCE, 1.8m (TYP)
RELOCATED UTILITY EASEMENT
RELOCATED UTILITY EASEMENT
KENT ROAD
KEY MAP

10 0 10 M
1:500 SCALE
@ FULL SIZE

VERMONT AGENCY OF TRANSPORTATION

Stantec

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

FILE NAME: ...\plot_files\zd307c2p06.ptf
DESIGN SUPERVISOR: GREG EDWARDS
DESIGNED BY: MARC FOISY
GENERAL PLAN P-06

PLOT DATE: 5/16/2011
DRAWN BY: STANTEC
CHECKED BY: GARY SANTY
SHEET 76 OF 267

V:\19531\active\19531002\transportation\drawing\contract_2\plot_files\zd307c2p06.ptf

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.

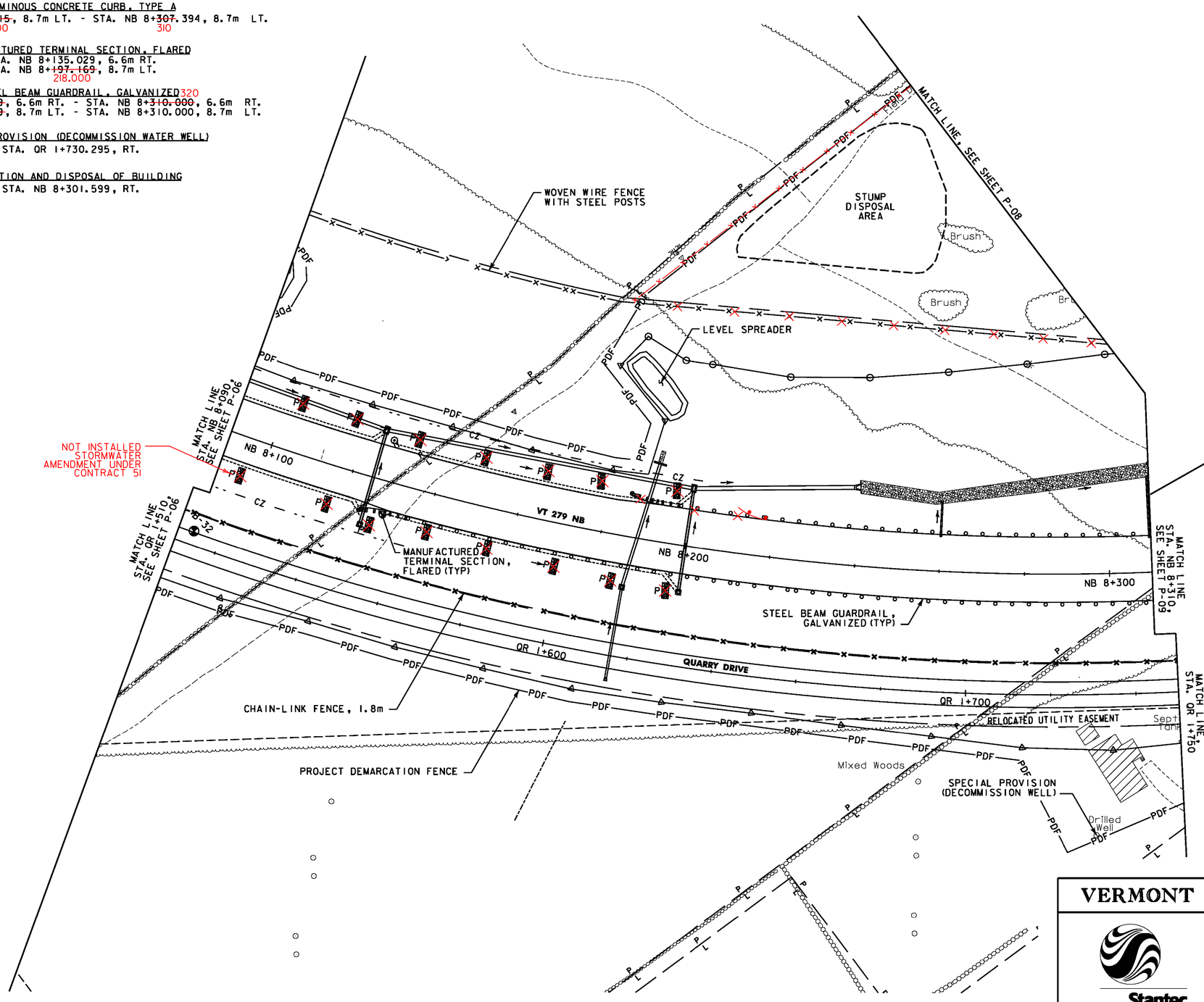
BITUMINOUS CONCRETE CURB, TYPE A
STA. NB 8+~~201.015~~ 220.000, 8.7m LT. - STA. NB 8+~~307.~~ 310.394, 8.7m LT.

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

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

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

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



VT STATE PLANE GRID

KEY MAP

10 0 10 M
1:500 SCALE
@ FULL SIZE

VERMONT AGENCY OF TRANSPORTATION

Stantec

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

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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.

VT STATE PLANE GRID

MATCH LINE STA. DR 1+050, SEE SHEET P-10

POT STA. CH 1+251.750
END APPROACH
BEGIN CONSTRUCTION

POT STA. CH 1+225.000
BEGIN APPROACH

DRIVE GATE FOR WOVEN WIRE FENCE
WOVEN WIRE FENCE WITH STEEL POSTS (TYP)
PROJECT DEMARCATION FENCE (TYP)
RELOCATED DRIVE
WETLAND U
CONSTRUCT 150 TOPSOIL, SEED AND STRAW MULCH ON EXISTING DRIVE
BARRIER FENCE INSTALLED UNDER PREVIOUS CONTRACT
UTILITY CONDUIT INSTALLED UNDER PREVIOUS CONTRACT
REMOVAL OF EXISTING FENCE
CHAPEL ROAD
CH 1+250
CH 1+300
CH 1+000
DR 1+000
TO NORTH BRANCH STREET CH 1+200
EXISTING AERIAL UTILITIES
MATCH LINE, STA. CH 1+350.0, SEE SHEET P-09
MATCH LINE, SEE SHEET P-07

KEY MAP

5 0 5
1:250 SCALE
@ FULL SIZE

VERMONT AGENCY OF TRANSPORTATION

Stantec

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

FILE NAME: ...\plot_files\zd307c2p08.ptf
DESIGN SUPERVISOR: GREG EDWARDS
DESIGNED BY: MARC FOISY
GENERAL PLAN P-08

PLOT DATE: 5/16/2011
DRAWN BY: STANTEC
CHECKED BY: GARY SANTY
SHEET 78 OF 267

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VAOT Metric

N
VT STATE PLANE GRID

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

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

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

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

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.

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)

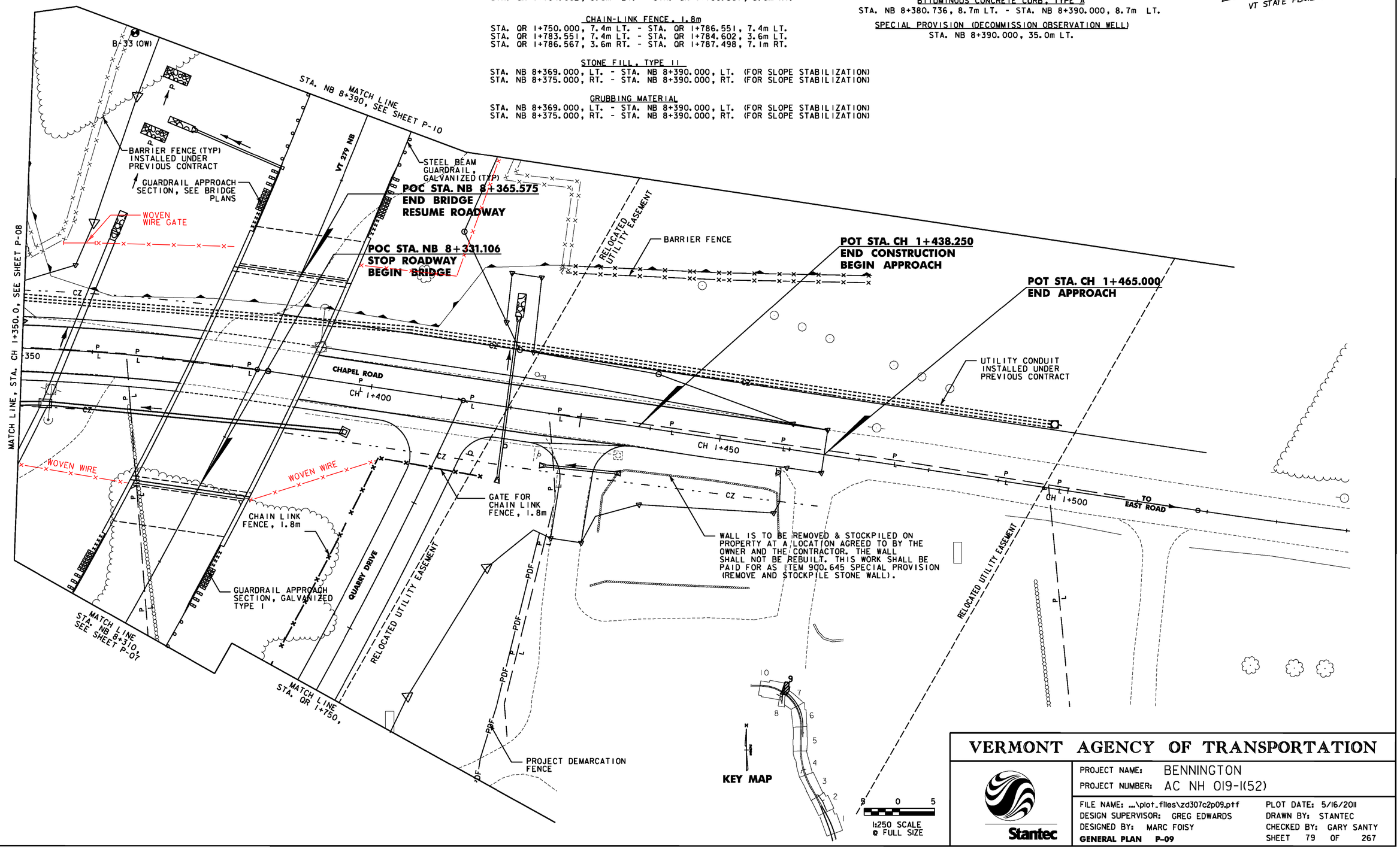
GRUBBING MATERIAL
STA. NB 8+369.000, LT. - STA. NB 8+390.000, LT. (FOR SLOPE STABILIZATION)
STA. NB 8+375.000, RT. - STA. NB 8+390.000, RT. (FOR SLOPE STABILIZATION)

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.

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

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

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



KEY MAP

5 0 5
1:250 SCALE
@ FULL SIZE

VERMONT AGENCY OF TRANSPORTATION

Stantec

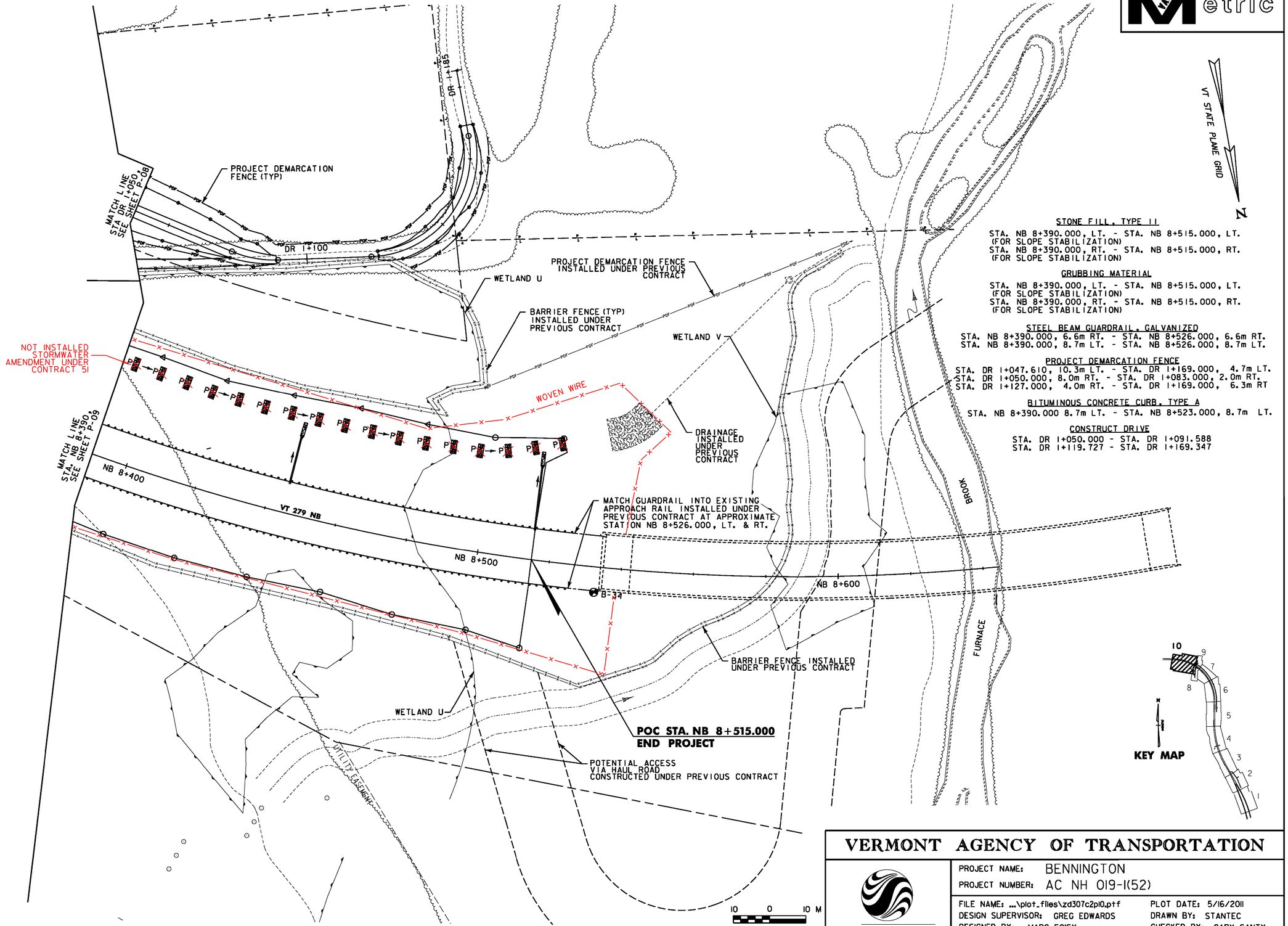
PROJECT NAME: BENNINGTON
PROJECT NUMBER: AC NH 019-1(52)

FILE NAME: ...\plot_files\zd307c2p09.ptf
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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Metric



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 1+047.610, 10.3m LT. - STA. DR 1+169.000, 4.7m LT.
STA. DR 1+050.000, 8.0m RT. - STA. DR 1+083.000, 2.0m RT.
STA. DR 1+127.000, 4.0m RT. - STA. DR 1+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 1+050.000 - STA. DR 1+091.588
STA. DR 1+119.727 - STA. DR 1+169.347

VERMONT AGENCY OF TRANSPORTATION

Stantec

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

FILE NAME: ...\plot_files\zd307c2pl0.ptf
DESIGN SUPERVISOR: GREG EDWARDS
DESIGNED BY: MARC FOISY
GENERAL PLAN P-10

PLOT DATE: 5/16/2011
DRAWN BY: STANTEC
CHECKED BY: GARY SANTY
SHEET 80 OF 267

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VAOT Metric

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 ~~110.4~~ 81.0 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)

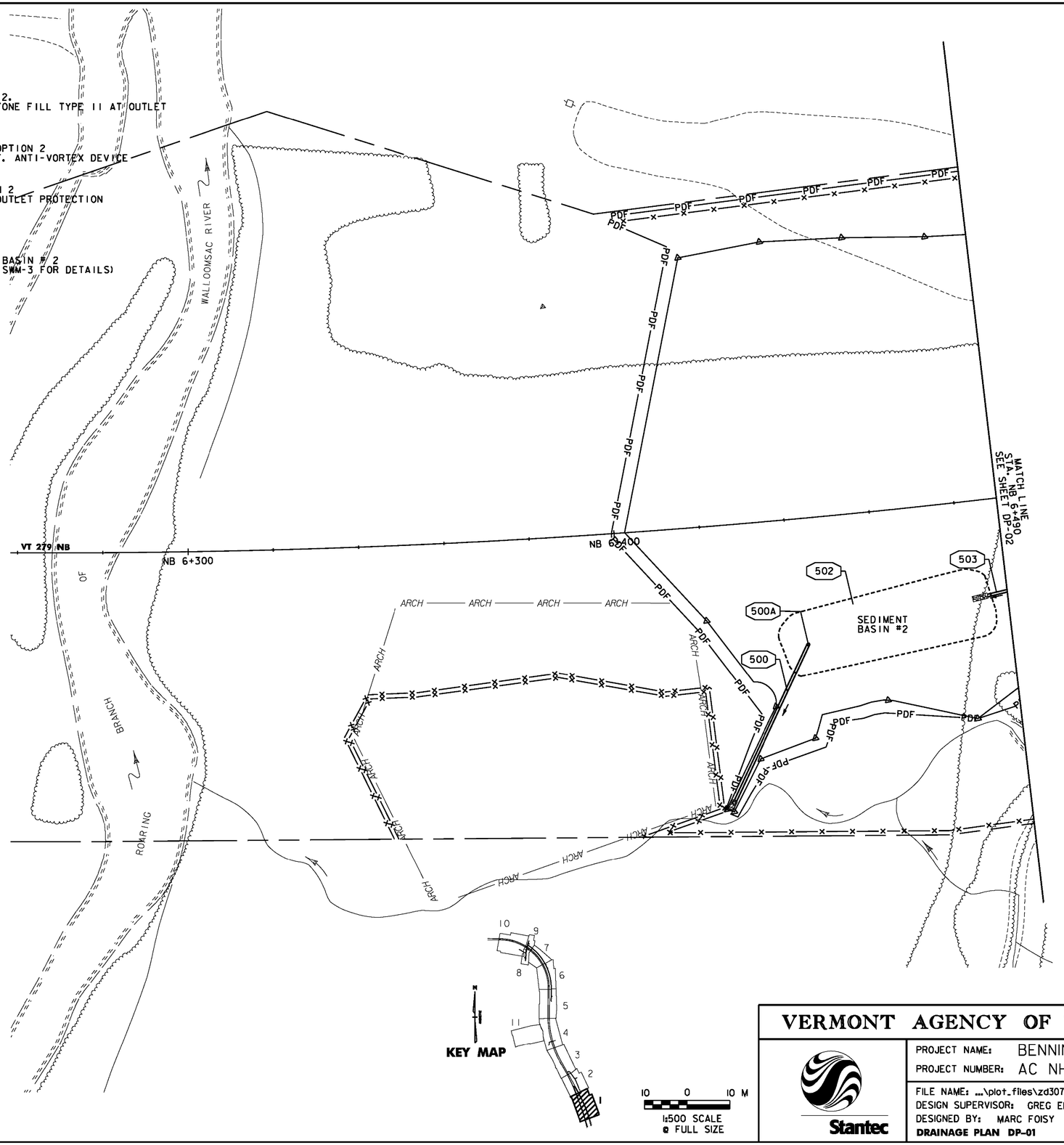
NOTES:

1. SEE STORMWATER MANAGEMENT DETAILS SWM-5 FOR DIMENSIONS AND CONSTRUCTION DETAILS OF STONE OUTLET PROTECTION.
2. SEE STORMWATER MANAGEMENT DETAILS SHEETS 2 AND 3 FOR SEDIMENTATION BASIN CONSTRUCTION DETAILS
3. 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)
- PRCCD1 — PRECAST REINFORCED CONCRETE DROP INLET
- CATCH BASIN
- UNDERDRAIN FLUSHING BASIN (SEE VTRANS STANDARD D-30)
- STORM DRAIN WITH HEADWALL
- STORM DRAIN WITH END SECTION
- P — PERMANENT STONE CHECK DAM, TYPE I



VERMONT AGENCY OF TRANSPORTATION

Stantec

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

FILE NAME: ...\plot_files\zd307c2dp01.ptf
DESIGN SUPERVISOR: GREG EDWARDS
DESIGNED BY: MARC FOISY
DRAINAGE PLAN DP-01

PLOT DATE: 5/16/2011
DRAWN BY: STANTEC
CHECKED BY: GARY SANTY
SHEET 81 OF 267

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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	CONSRUCT STONE LINED DITCH WITH STONE FILL TYPE II.

NEW DRAINAGE STRUCTURES

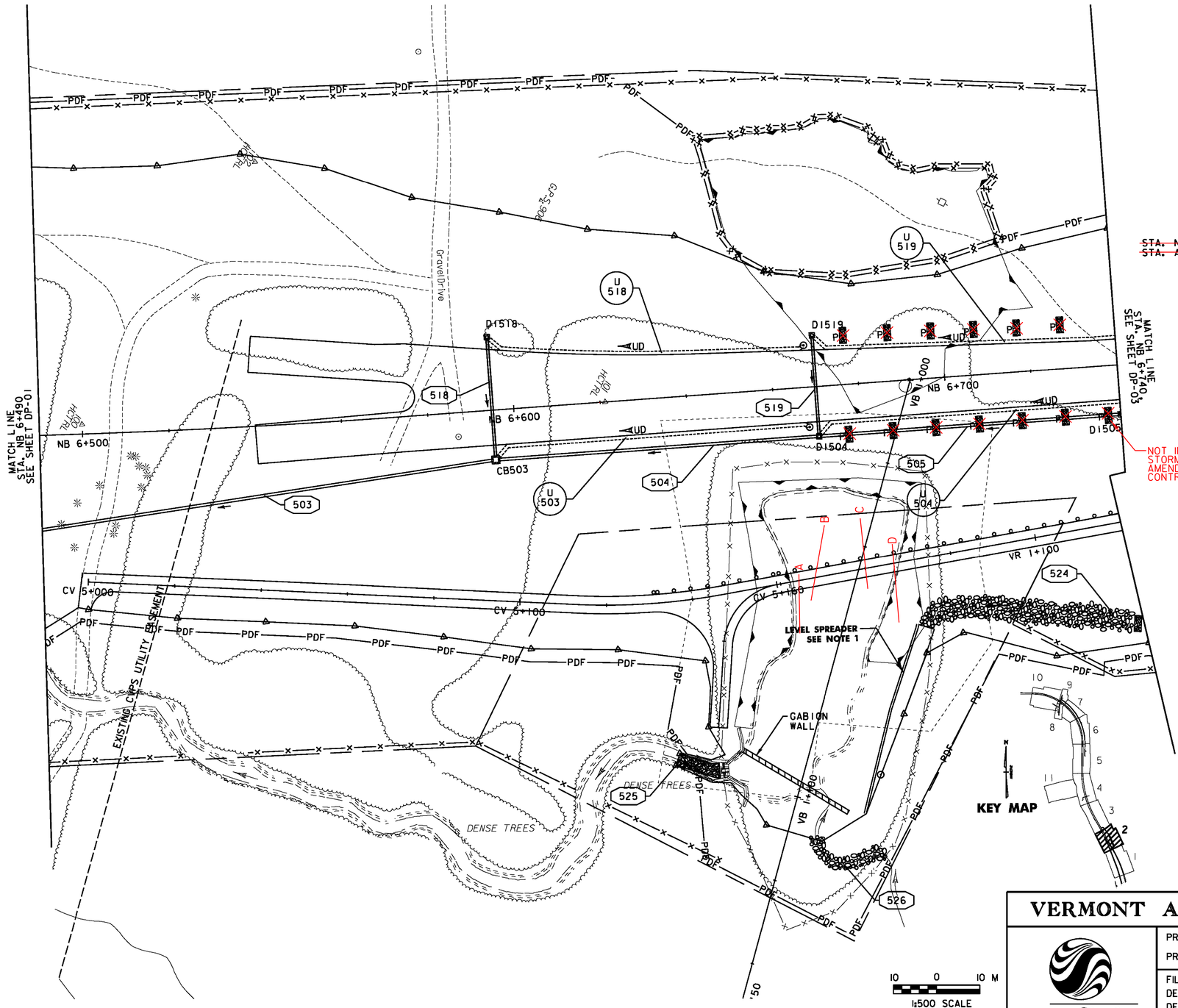
STRUCTURE #	LOCATION	COMMENTS
CB503	NB 6+595.0 RT	TYPE A GRATE
D1504	NB 6+670.0 RT	TYPE A GRATE
D1505	NB 6+740.0 RT	TYPE A GRATE
D1518	NB 6+595.0 LT	TYPE A GRATE
D1519	NB 6+670.0 LT	TYPE A GRATE

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)

VT STATE PLANE GRID N

VAOT Metric



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

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).

10 0 10 M
1:500 SCALE @ FULL SIZE

VERMONT AGENCY OF TRANSPORTATION

Stantec

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

FILE NAME: ...\plot_files\zd307c2dp02.ptf
DESIGN SUPERVISOR: GREG EDWARDS
DESIGNED BY: MARC FOISY
DRAINAGE PLAN DP-02

PLOT DATE: 5/16/2011
DRAWN BY: STANTEC
CHECKED BY: GARY SANTY
SHEET 82 OF 267

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NEW DRAINAGE STRUCTURES

STRUCTURE #	LOCATION	COMMENTS
D1506	NB 6+760.0 RT	TYPE A GRATE
D1507	NB 6+835.0 RT	TYPE A GRATE
D1508	NB 6+910.0 RT	TYPE A GRATE
D1509	NB 6+985.0 RT	TYPE A GRATE

NEW DRAINAGE PIPES

PIPE #	LOCATION	COMMENTS
506	NB 6+740.0 - NB 6+760.0 RT	600 X 19.4 m PIPE OPTION 3
507	NB 6+760.0 - NB 6+835.0 RT	600 X 74.4 m PIPE OPTION 3
508	NB 6+835.0 - NB 6+910.0 RT	450 X 74.4 m PIPE OPTION 3
509	NB 6+910.0 - NB 6+985.0 RT	450 X 73.6 m CPEP(SL)

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

VT STATE PLANE GRID N

MATCH LINE STA. NB 6+740, SEE SHEET DP-02

MATCH LINE STA. NB 7+090, SEE SHEET DP-04

NB 6+800 NB 6+900 NB 7+000

NB HIGH POINT NB 7+073.9

VT. 279 NB

D1506 D1507 D1508 D1509

506 507 508 509

U 504 U 506 U 507 U 508 U 509 U 416 U 519

524

NOT INSTALLED STORMWATER AMENDMENT UNDER CONTRACT 5

HIGH POINT OF INTERCEPTOR DITCH

INTERCEPTOR DITCH VEGETATED SECTION

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/FLUSING 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/FLUSING 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

KEY MAP

10 0 10 M
1:500 SCALE @ FULL SIZE

NOTES:
1. PIPE STATIONING REFLECTS BREAKS AT SHEET MATCHLINES. PIPE LENGTHS REFLECT ACTUAL PIPE SEGMENTS & MATCH THE SUMMARY SHEETS.
2. 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).

VERMONT AGENCY OF TRANSPORTATION

Stantec

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

FILE NAME: ...\plot_files\zd307c2dp03.ptf
DESIGN SUPERVISOR: GREG EDWARDS
DESIGNED BY: MARC FOISY
DRAINAGE PLAN DP-03

PLOT DATE: 5/16/2011
DRAWN BY: STANTEC
CHECKED BY: GARY SANTY
SHEET 83 OF 267

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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

UNDERDRAIN

U 416 — SEE DP-03 FOR STATIONING AND LENGTH

U 491 — CONST. ℄ NB 7+158.7 - NB 7+165.0, RT.
NEW 150 mm x 7.1 m UND.

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.

VT STATE PLANE GRID N

MATCH LINE STA. NB 7+090, SEE SHEET DP-03

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

STA. SW 10+040 MATCH LINE WITH SHEET DP-11

TYPE I STONE FILL

STONE OUTLET PROTECTION SEE NOTE 1

LEVEL SPREADER SEE NOTE 2

STONE OUTLET PROTECTION SEE NOTE 1

BM 1+000

BM 1+100

BM 1+114

SW 10+000

UNDERDRAIN

BALD MOUNTAIN TRAIL UNDERPASS

FLUSHING BASIN

GARAGE

GRAVEL DRIVE

EXISTING SWALE

TRAIL

SHED

BALD MOUNTAIN TRAIL

VT 279 NB

NB 7+100

NB 7+200

NB 7+300

NB 7+400

D1435

D1434

D1417

D1416

D1415

CV435

CV434

CV443

CV439

520

524

417

416

415

U 416

U 491

PDF

HDPE

KEY MAP

NOTES:

1. SEE STORMWATER MANAGEMENT DETAILS SHEET SWM-5 FOR DIMENSIONS AND CONSTRUCTION DETAILS OF STONE OUTLET PROTECTION.
2. 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).
3. PIPE STATIONING REFLECTS BREAKS AT SHEET MATCHLINES. PIPE LENGTHS REFLECT ACTUAL PIPE SEGMENTS & MATCH THE SUMMARY SHEETS.

10 0 10 M
1:500 SCALE
@ FULL SIZE

VERMONT AGENCY OF TRANSPORTATION

Stantec

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

FILE NAME: ...\plot_files\zd307c2dp04.ptf
DESIGN SUPERVISOR: GREG EDWARDS
DESIGNED BY: MARC FOISY
DRAINAGE PLAN DP-04

PLOT DATE: 5/16/2011
DRAWN BY: STANTEC
CHECKED BY: GARY SANTY
SHEET 84 OF 267

v:\19531\active\19530002\transportation\drawing\contract_2\plot_files\zd307c2dp04.ptf

Metric

NEW DRAINAGE PIPES

PIPE #	LOCATION	COMMENTS
409	NB 7+750.0 - NB 7+825.0 LT	600 X 73.0 m PIPE OPTION 1
410	NB 7+675.0 - NB 7+750.0 LT	600 X 74.4 m PIPE OPTION 1
411	NB 7+600.0 - NB 7+675.0 LT	600 X 74.4 m PIPE OPTION 1
412	NB 7+600.0 LT-RT	600 X 26.0 m CPEP (SL)
413	NB 7+525.0 - NB 7+600.0 RT	600 X 74.1 m CPEP (SL)
414	NB 7+450.0 - NB 7+525.0 RT	600 X 74.2 m CPEP (SL)
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
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

NEW DRAINAGE STRUCTURES

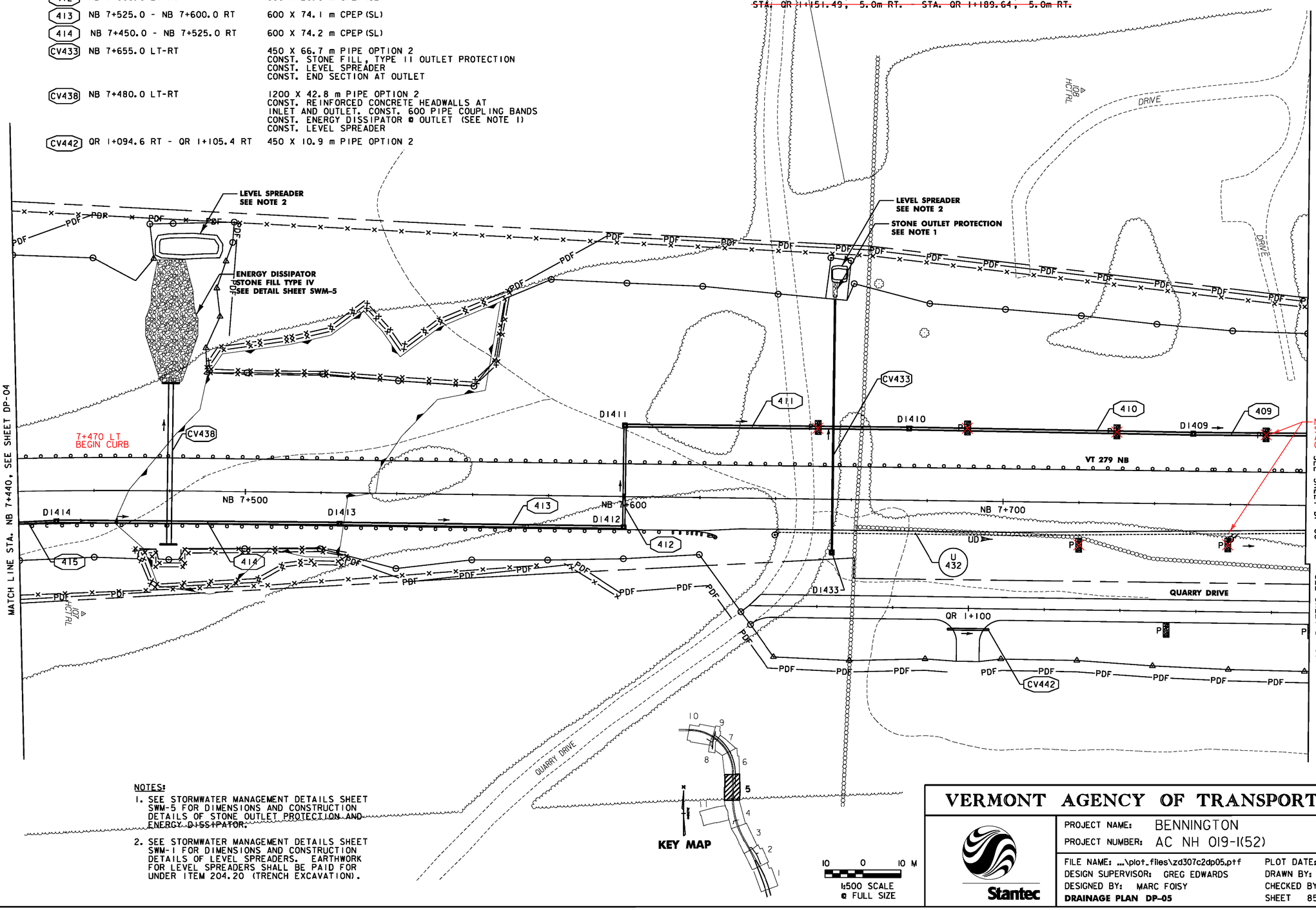
STRUCTURE #	LOCATION	COMMENTS
D1409	NB 7+750.0 LT	TYPE A GRATE
D1410	NB 7+675.0 LT	TYPE A GRATE
D1411	NB 7+600.0 LT	TYPE A GRATE
D1412	NB 7+600.0 RT	TYPE A GRATE
D1413	NB 7+525.0 RT	TYPE A GRATE
D1414	NB 7+450.0 RT	TYPE A GRATE
D1433	NB 7+655.0 RT	TYPE A GRATE

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.~~

N
VT STATE PLANE GRID



NOTES:

1. SEE STORMWATER MANAGEMENT DETAILS SHEET SWM-5 FOR DIMENSIONS AND CONSTRUCTION DETAILS OF STONE OUTLET PROTECTION AND ENERGY DISSIPATOR.
2. 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).

10 0 10 M
1:500 SCALE @ FULL SIZE

VERMONT AGENCY OF TRANSPORTATION

Stantec

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

FILE NAME: ...\plot_files\zd307c2dp05.ptf
DESIGN SUPERVISOR: GREG EDWARDS
DESIGNED BY: MARC FOISY
DRAINAGE PLAN DP-05

PLOT DATE: 5/16/2011
DRAWN BY: STANTEC
CHECKED BY: GARY SANTY
SHEET 85 OF 267

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NEW DRAINAGE STRUCTURES

STRUCTURE #	LOCATION	COMMENTS
D1405	NB 8+050.0 LT	1200x1800 TYPE B GRATE (1)
D1406	NB 7+975.0 LT	1200x1800 TYPE B GRATE (1)
D1407	NB 7+900.0 LT	1200x1800 TYPE B GRATE (1)
D1408	NB 7+825.0 LT	1200x1800 TYPE A GRATE (1)
D1423	NB 8+050.0 RT	TYPE B GRATE
D1424	NB 7+975.0 RT	TYPE B GRATE
MH431	NB 8+034.0 RT	COVER ("STORM" CAST INTO TOP SURFACE)
D1432	NB 7+850.0 RT	1200x1800 TYPE A GRATE (1)

NEW DRAINAGE PIPES

PIPE #	LOCATION	COMMENTS
405	NB 8+050.0 - NB 8+125.0 LT	750 X 72.9 m PIPE OPTION 2
406	NB 7+975.0 LT - NB 8+050.0 LT	750 X 72.9 m PIPE OPTION 2
407	NB 7+900.0 - NB 7+975.0 LT	750 X 72.9 m PIPE OPTION 2
408	NB 7+825.0 - NB 7+900.0 LT	750 X 72.7 m PIPE OPTION 2
423	NB 8+050.0 LT-RT	450 X 20.3 m PIPE OPTION 3
424	NB 7+975.0 LT-RT	450 X 20.3 m PIPE OPTION 3
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 II AT OUTLET CONST. OUTLET DITCH TO LEVEL SPREADER.

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 II 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

VT STATE PLANE GRID N

VTrans Metric

UNDERDRAIN

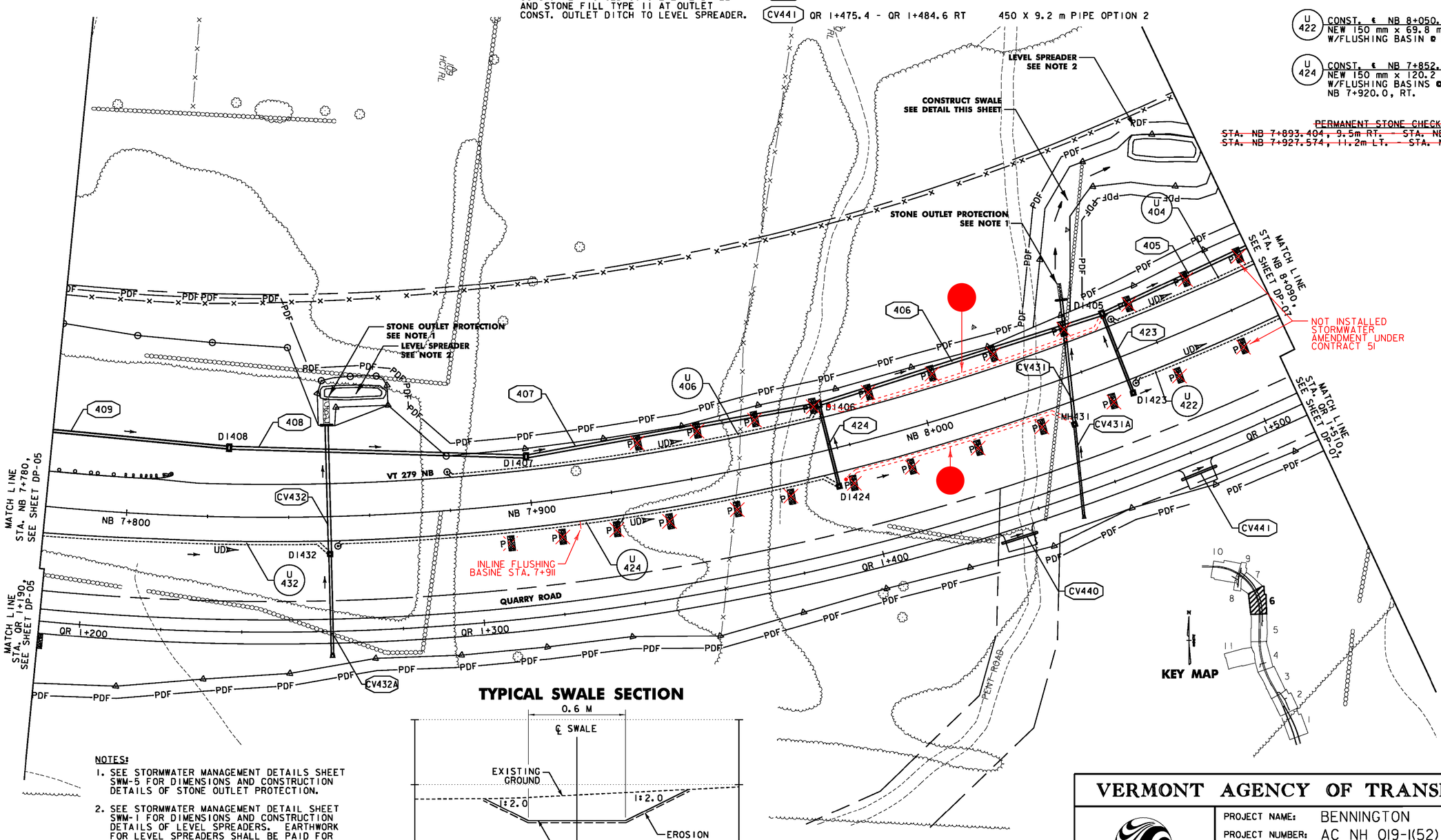
U 406 — CONST. ℄ NB 7+880.0 - NB 7+975.0, LT.
NEW 150 mm x 89.7 m UND.
W/FLUSHING BASIN @ 7+880.0, LT.

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.

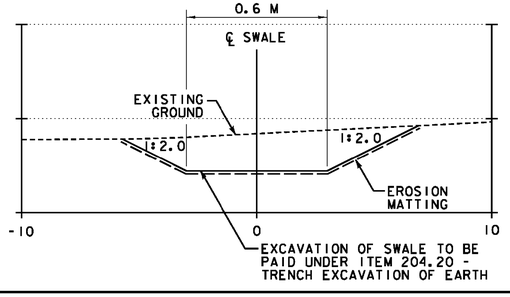
U 422 — CONST. ℄ NB 8+050.5 - NB 8+125.0, RT.
NEW 150 mm x 69.8 m UND.
W/FLUSHING BASIN @ NB 8+050.5, RT.

U 424 — CONST. ℄ NB 7+852.0 - NB 7+975.0, RT.
NEW 150 mm x 120.2 m UND.
W/FLUSHING BASINS @ NB 7+852.0, RT., NB 7+920.0, RT.

~~PERMANENT STONE CHECK DAMS, TYPE I~~
~~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.~~



TYPICAL SWALE SECTION



NOTES:

1. SEE STORMWATER MANAGEMENT DETAILS SHEET SWM-5 FOR DIMENSIONS AND CONSTRUCTION DETAILS OF STONE OUTLET PROTECTION.
2. 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).
3. PIPE STATIONING REFLECTS BREAKS AT SHEET MATCHLINES. PIPE LENGTHS REFLECT ACTUAL PIPE SEGMENTS & MATCH THE SUMMARY SHEETS.

10 0 10 M
1:500 SCALE
@ FULL SIZE

VERMONT AGENCY OF TRANSPORTATION

Stantec

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

FILE NAME: ...\plot_files\zd307c2dp06.ptf
DESIGN SUPERVISOR: GREG EDWARDS
DESIGNED BY: MARC FOISY
DRAINAGE PLAN DP-06

PLOT DATE: 5/16/2011
DRAWN BY: STANTEC
CHECKED BY: GARY SANTY
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	PRCCD1
PRCCD1429	NB 8+260.0 LT	PRCCD1
MH430	NB 8+187.0 RT	COVER ("STORM" CAST INTO TOP SURFACE)

UNDERDRAIN

U 403 — CONST. ℄ 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. ℄ 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.~~

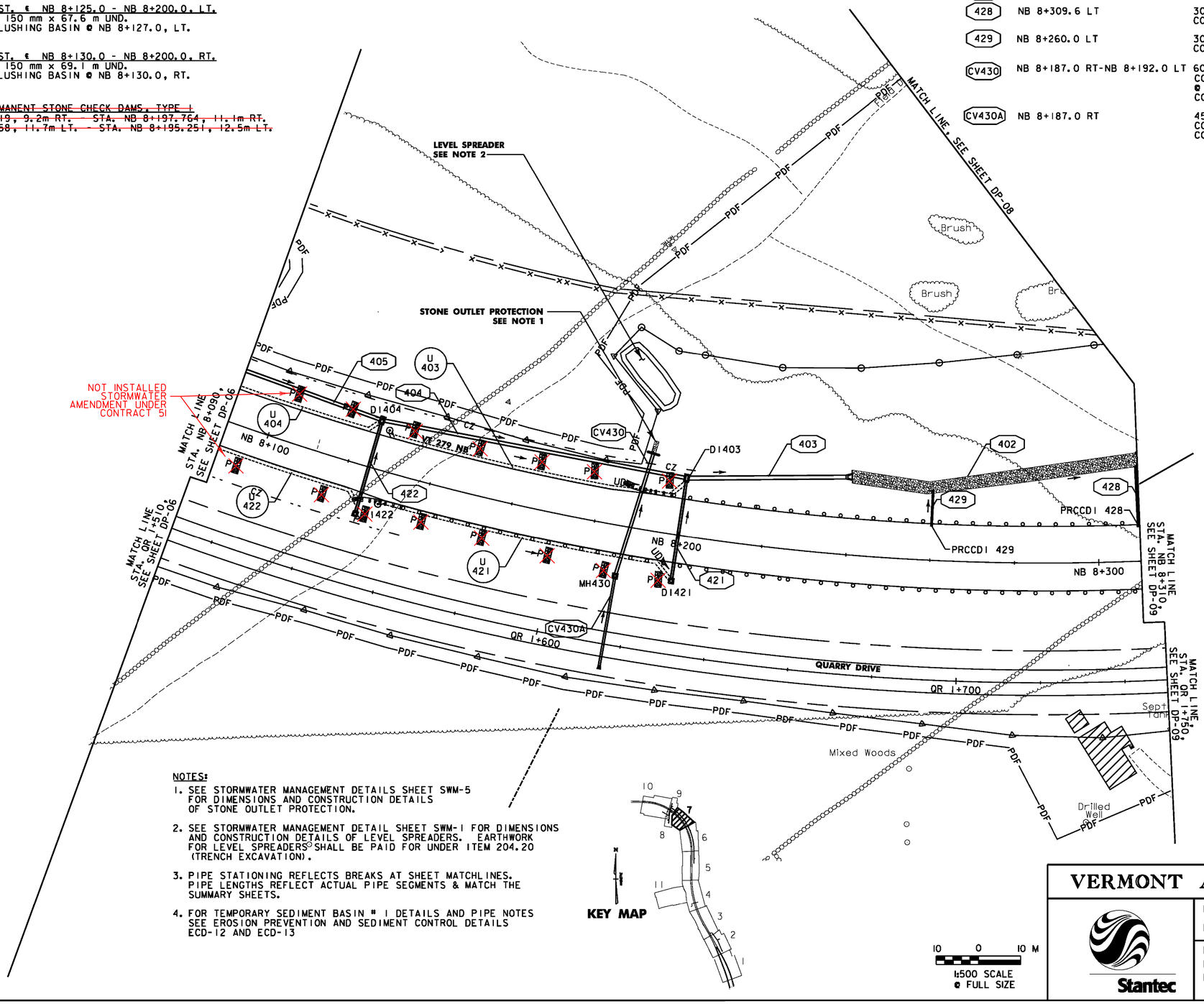
STORMWATER MANAGEMENT

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

VT STATE PLANE GRID



NOTES:

1. SEE STORMWATER MANAGEMENT DETAILS SHEET SWM-5 FOR DIMENSIONS AND CONSTRUCTION DETAILS OF STONE OUTLET PROTECTION.
2. 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).
3. PIPE STATIONING REFLECTS BREAKS AT SHEET MATCHLINES. PIPE LENGTHS REFLECT ACTUAL PIPE SEGMENTS & MATCH THE SUMMARY SHEETS.
4. FOR TEMPORARY SEDIMENT BASIN # 1 DETAILS AND PIPE NOTES SEE EROSION PREVENTION AND SEDIMENT CONTROL DETAILS ECD-12 AND ECD-13

10 0 10 M
1:500 SCALE
@ FULL SIZE

VERMONT AGENCY OF TRANSPORTATION

Stantec

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

FILE NAME: ...\plot_files\zd307c2dp07.ptf
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

v:\1853\active\185310002\transportation\drawings\contract_2\plot_files\zd307c2dp07.ptf

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

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

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

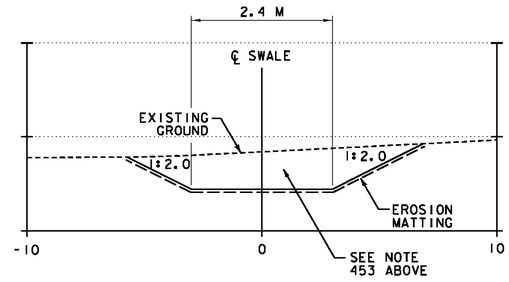
PIPE #	LOCATION	COMMENTS
EX747	CH 1+424 - CH 1+436 RT	REMOVE EXISTING 200 PVC PIPE & INLET STRUCTURE

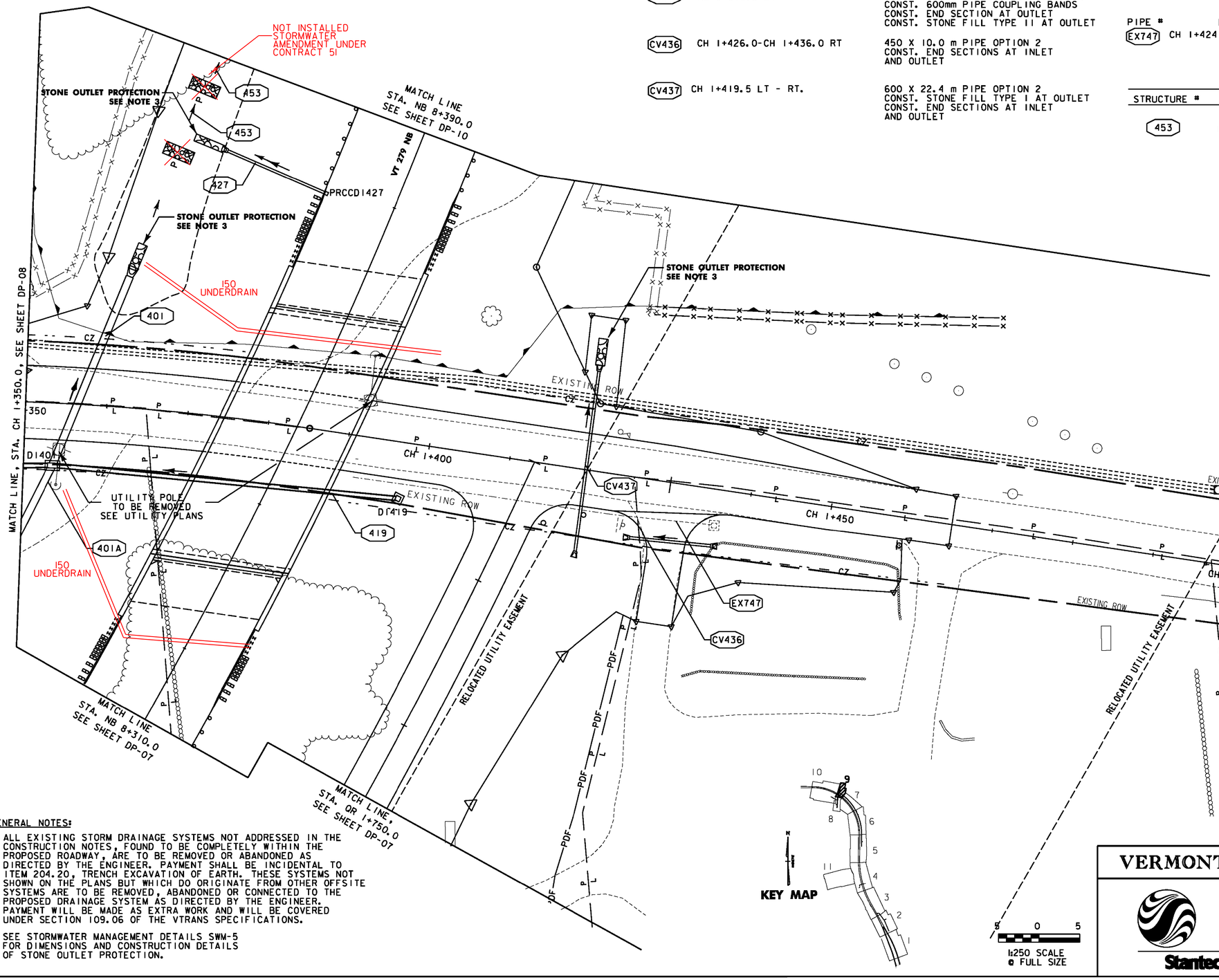
STORMWATER MANAGEMENT

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)

VT STATE PLANE GRID

TYPICAL SWALE SECTION





KEY MAP

0 5
1:250 SCALE @ FULL SIZE

GENERAL NOTES:

1. 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.
2. SEE STORMWATER MANAGEMENT DETAILS SWM-5 FOR DIMENSIONS AND CONSTRUCTION DETAILS OF STONE OUTLET PROTECTION.

VERMONT AGENCY OF TRANSPORTATION

Stantec

PROJECT NAME: BENNINGTON	
PROJECT NUMBER: AC NH 019-1(52)	
FILE NAME: ...\plot_files\zd307c2dp09.ptf	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

v:\1853\active\185300002\transportation\drawing\contract_2\plot_files\zd307c2dp09.ptf

NEW DRAINAGE STRUCTURES

STRUCTURE #	LOCATION	COMMENTS
PRCCD1425	NB 8+515.0 LT	PRCCDI
PRCCD1426	NB 8+445.0 LT	PRCCDI

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.~~

Metric

VT STATE PLANE GRID
N

PDF
DR
DR 1+100
453
NOT INSTALLED STORMWATER AMENDMENT UNDER CONTRACT 5I
426
PRCCD1426
425
PRCCD1425
EX450
EX451
THIS DRAINAGE TO BE INSTALLED UNDER CONTRACT AC NH 015(53) WITH INTERIM COMPLETION DATE OF MAY 16, 2008
MATCH LINE STA. NB 8+350 SEE SHEET DP-09
NB 8+400
VT 279 NB
NB 8+500
NB 8+600
BROOK
FURNACE
UNNAMED STREAM
UTILITY EASEMENT

10 0 10 M
1:500 SCALE
@ FULL SIZE

KEY MAP
10 9 8 7 6 5 4 3 2 1 11

VERMONT AGENCY OF TRANSPORTATION

Stantec

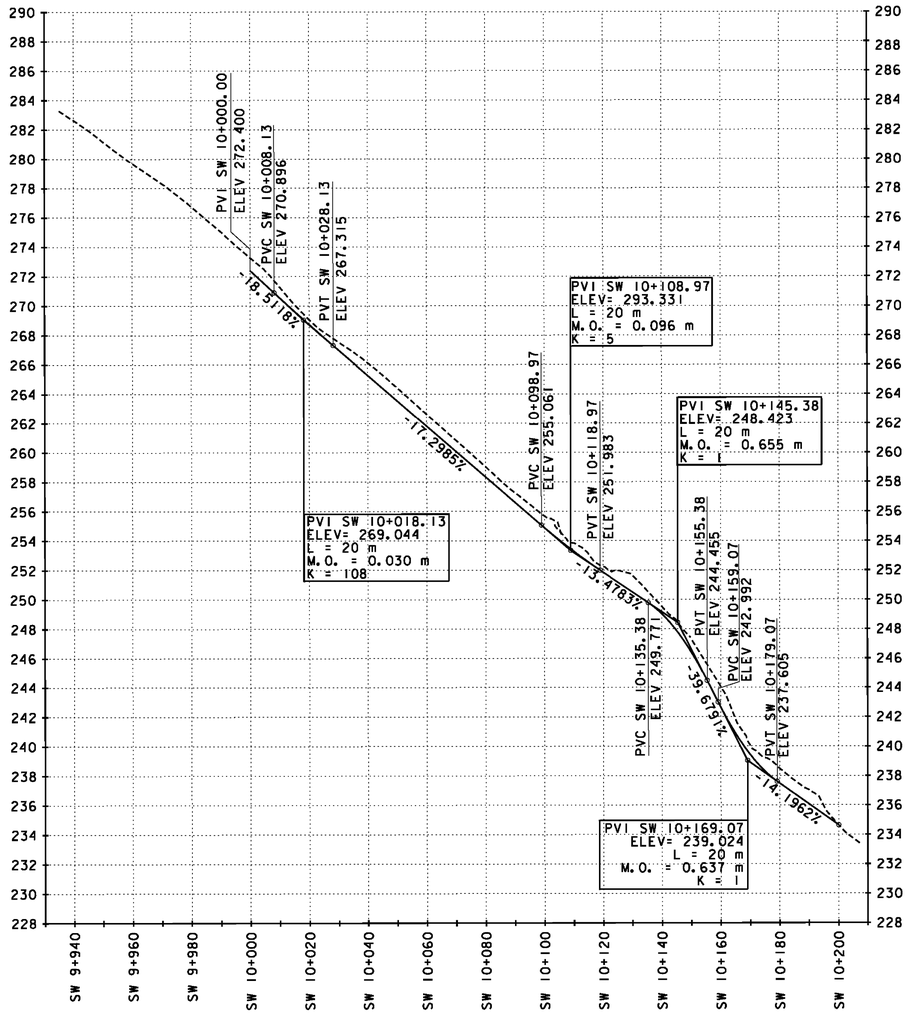
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PROJECT NUMBER: AC NH 019-1(52)

FILE NAME: ...\plot_files\zd307c2dp10.ptf
DESIGN SUPERVISOR: GREG EDWARDS
DESIGNED BY: MARC FOISY
DRAINAGE PLAN DP-10

PLOT DATE: 5/16/2011
DRAWN BY: STANTEC
CHECKED BY: GARY SANTY
SHEET 90 OF 267

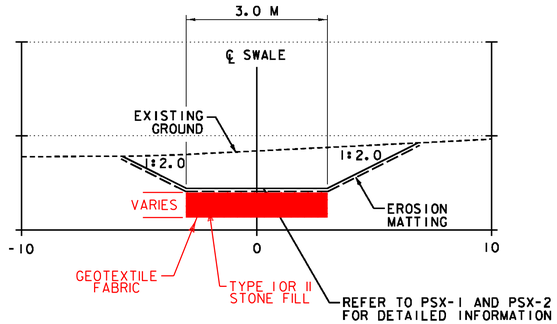
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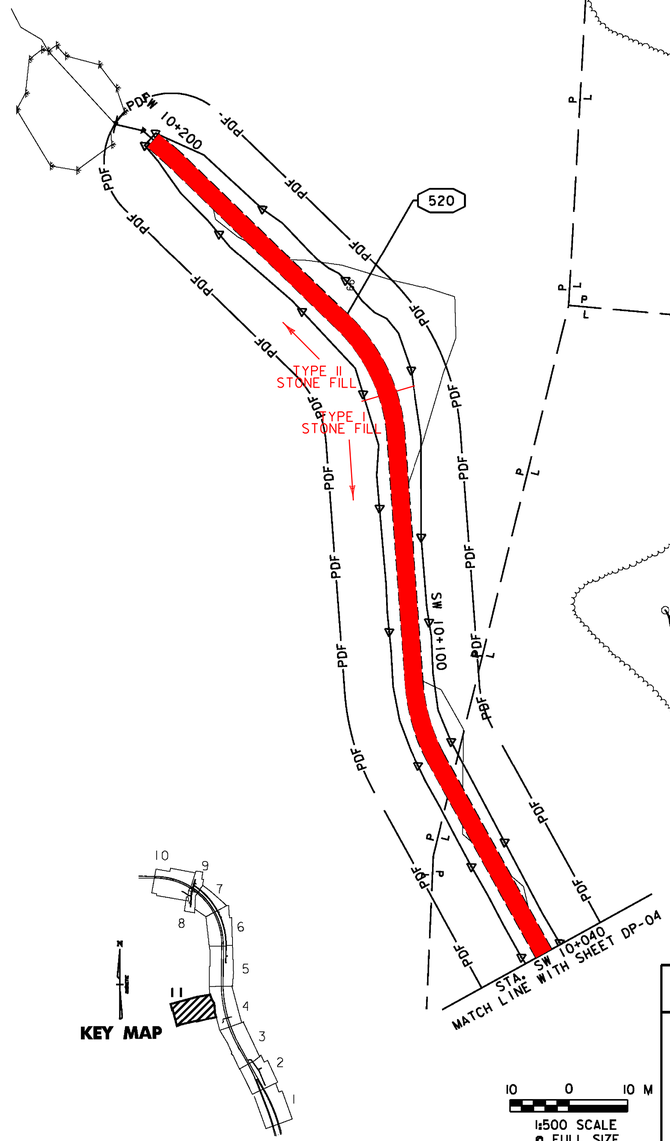
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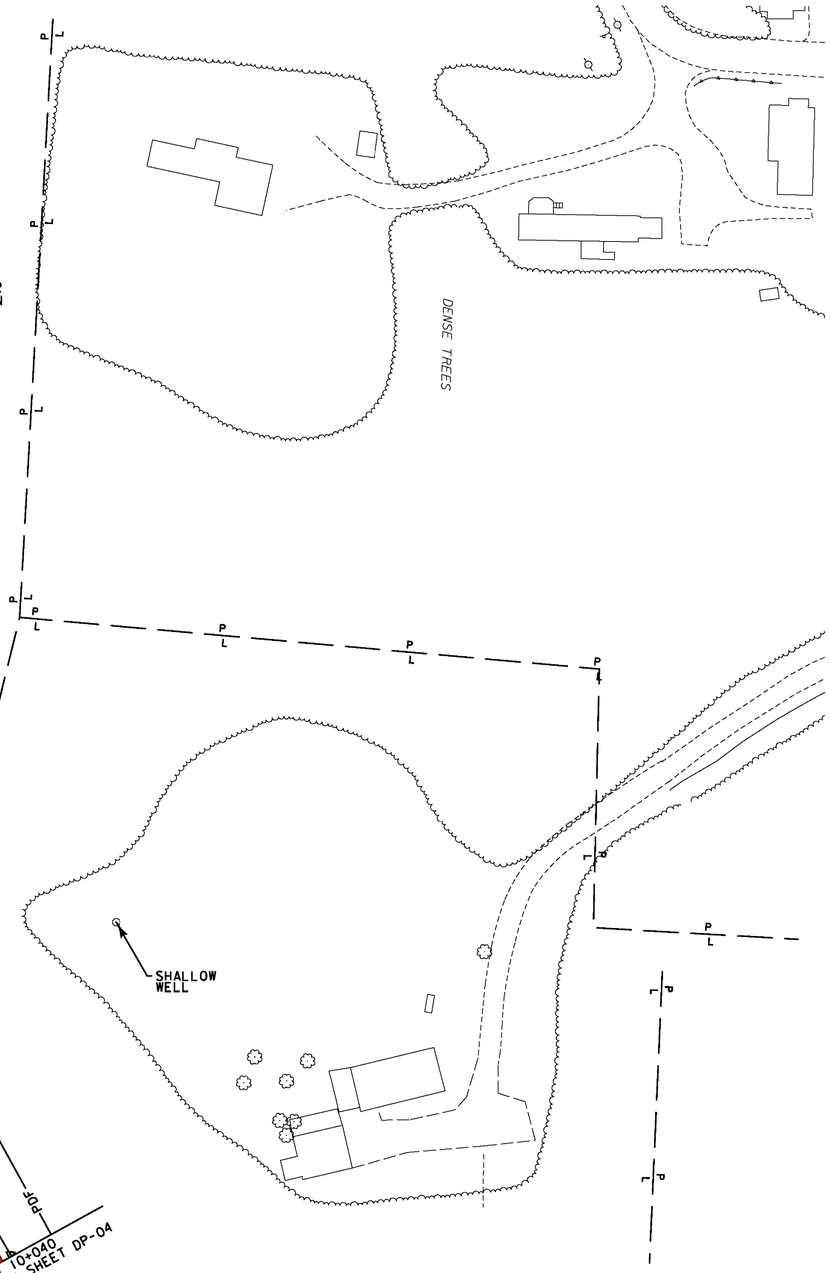


8 M
4
20 40 M
H 1:1000 SCALE
V 1:200 SCALE
@ FULL SIZE

TYPICAL SWALE SECTION







10 0 10 M
1:500 SCALE
@ FULL SIZE

VERMONT AGENCY OF TRANSPORTATION

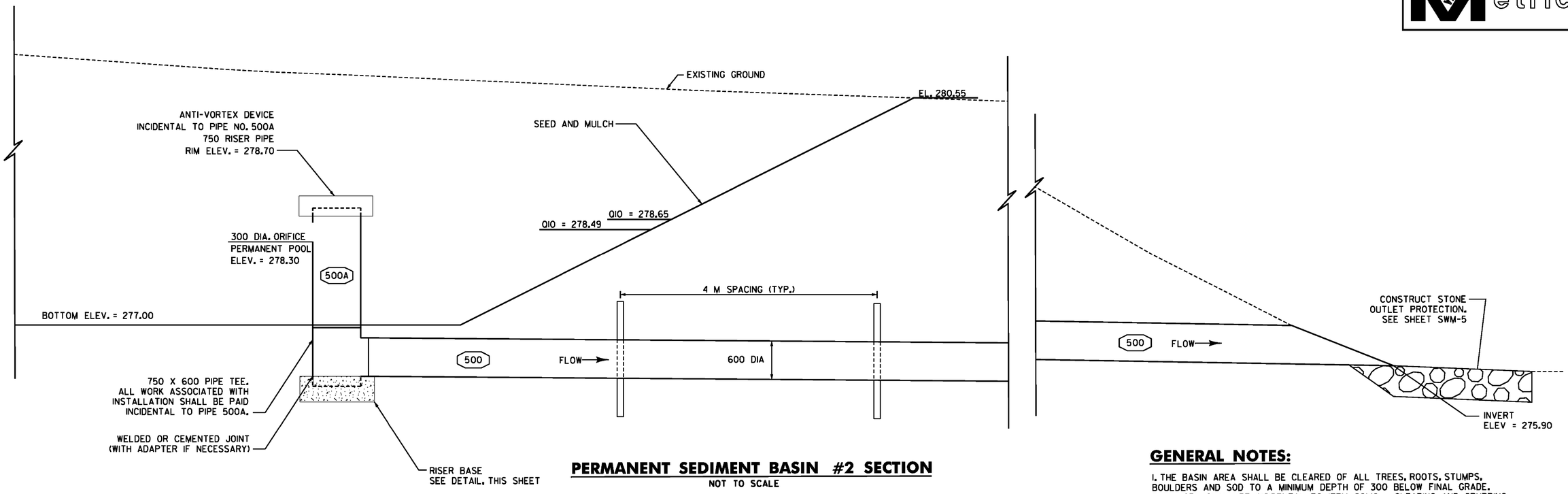
Stantec

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

FILE NAME: ...\plot_files\zd307c2dpll.ptf
DESIGN SUPERVISOR: GREG EDWARDS
DESIGNED BY: MARC FOISY
DRAINAGE PLAN DP-11

PLOT DATE: 5/16/2011
DRAWN BY: STANTEC
CHECKED BY: GARY SANTY
SHEET 91 OF 267

V:\1853\active\185300002\transportation\drawing\contract_2\plot_files\zd307c2dpll.ptf



PERMANENT SEDIMENT BASIN #2 SECTION

NOT TO SCALE

GENERAL NOTES:

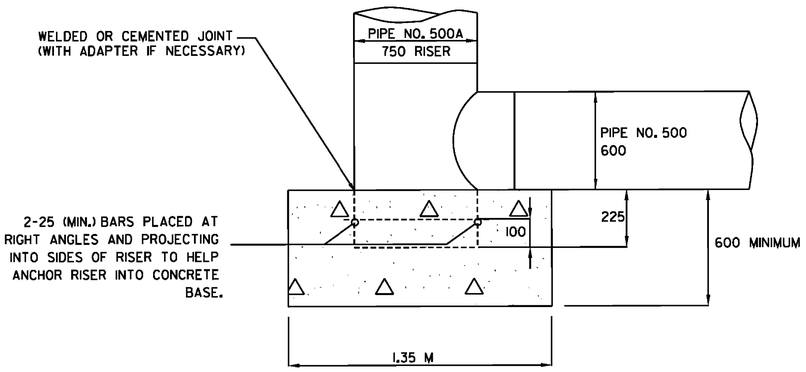
1. THE BASIN AREA SHALL BE CLEARED OF ALL TREES, ROOTS, STUMPS, BOULDERS AND SOD TO A MINIMUM DEPTH OF 300 BELOW FINAL GRADE. THIS WORK SHALL BE INCIDENTAL TO ITEM 201.10 - CLEARING AND GRUBBING

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.

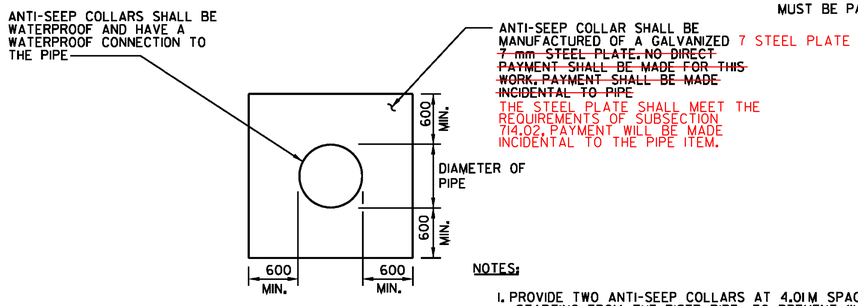
4. THE CONCRETE BASE SHALL BE POURED IN SUCH A MANNER TO INSURE THAT THE CONCRETE FILLS THE BOTTOM OF THE RISER TO THE INVERT OF THE OUTLET PIPE TO PREVENT THE RISER FROM BREAKING AWAY FROM THE BASE.

5. IF THE RISER PIPE IS ALUMINUM OR ALUMINIZED PIPE THE EMBEDDED SECTION MUST BE PAINTED WITH CHROMATE OR EQUIVALENT.



RISER BASE DETAIL

NOT TO SCALE



SECTION A-A

NOTES:

1. PROVIDE TWO ANTI-SEEP COLLARS AT 4.0 M SPACING STARTING FROM THE RISER PIPE, TO PREVENT WATER FLOW THROUGH PIPE BEDDING MATERIAL.

2. THE ANTI-SEEP COLLARS ARE TO BE PLACED A MINIMUM OF 600 FROM PIPE JOINTS.

ANTI-SEEP COLLAR DETAIL

NOT TO SCALE

VERMONT AGENCY OF TRANSPORTATION

Stantec

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

v:\1953\active\19531002\transportation\drawing\contract_2\plot_files\zd307c2det_swm.ptf

Metric

VT STATE PLANE GRID N

RELOCATED UTILITY EASEMENT

UTILITY EASEMENT

UTILITY EASEMENT

UTILITY EASEMENT

UTILITY EASEMENT

UTILITY EASEMENT

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

MATCH LINE STA. VR 1+120 SEE SHEET L-03

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

VT 279 NB

NB 6+800

NB 6+900

NB 7+000

3 QR

5 CO

3 CO

2 CO

4 PC

3 AS
3 AR

1 AS
1 AR

3 AR

4 CO

6 CO

6 CO

3 AR

1 CO

3 CO

2 AS
2 AR

3 CO

1 CO

2 CO

3 AS
3 AR

2 CO

PDF

CZ

DF

LEGEND

- AMC.01 (9) — DECIDUOUS SHRUB GROUPING WITH PLANT TYPE AND (QUANTITY)
- AR.01 (3) — DECIDUOUS TREE GROUPING WITH PLANT TYPE AND (QUANTITY)
- AC.01 (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.

KEY MAP

11 10 8 9 7 6 5 4 3

10 0 10 M

1:500 SCALE
@ FULL SIZE

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\zd307c2p03.ptf
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:\R3463PC\CONTRACT NO 2\DGN\zd307c2p03.ptf

Metric

POT STA. BM 1+000.000
LIMIT OF WORK

STA SW 10+040
MATCH LINE WITH SHEET EC-11

GARAGE
GRAVEL DRIVE
VT STATE PLANE GRID
N

BALD MOUNTAIN TRAIL
UTILITY EASEMENT
EXISTING SW
TRAIL
SHED
SHED

MATCH LINE STA. NB 7+090, SEE SHEET L-04

NB 7+100
NB 7+200
NB 7+300
NB 7+400
VT 279 NB
CZ
SW 36" RCP
10" PIPE

3 AR
3 AS
4 AR
4 AS
2 QR
5 PS
2 AS
3 AS
3 PS
4 CO
3 QR
2 QR
5 PS
3 PS
4 PS
2 AR
3 AR
4 PS
1 AR
3 AR
3 PS
4 CO
3 QR
4 PS
4 AR
4 QR
5 AS
3 PS
5 CO
6 PG
5 AR
1 CO
3 CO
3 QR
3 PS
5 CO
3 PG
3 CO
3 PG
3 QR

POT STA. BM 1+114.000
LIMIT OF WORK

MATCH LINE STA. NB 7+440, SEE SHEET L-06

KEY MAP

NOTE:
THIS SHEET TO BE USED FOR LANDSCAPING INFORMATION ONLY

LEGEND

- AMC.01(9) — DECIDUOUS SHRUB GROUPING WITH PLANT TYPE AND (QUANTITY)
- AR.01(3) — DECIDUOUS TREE GROUPING WITH PLANT TYPE AND (QUANTITY)
- AC.01(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.

10 0 10 M
1:500 SCALE @ FULL SIZE

VERMONT AGENCY OF TRANSPORTATION

DuBois & King inc.

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

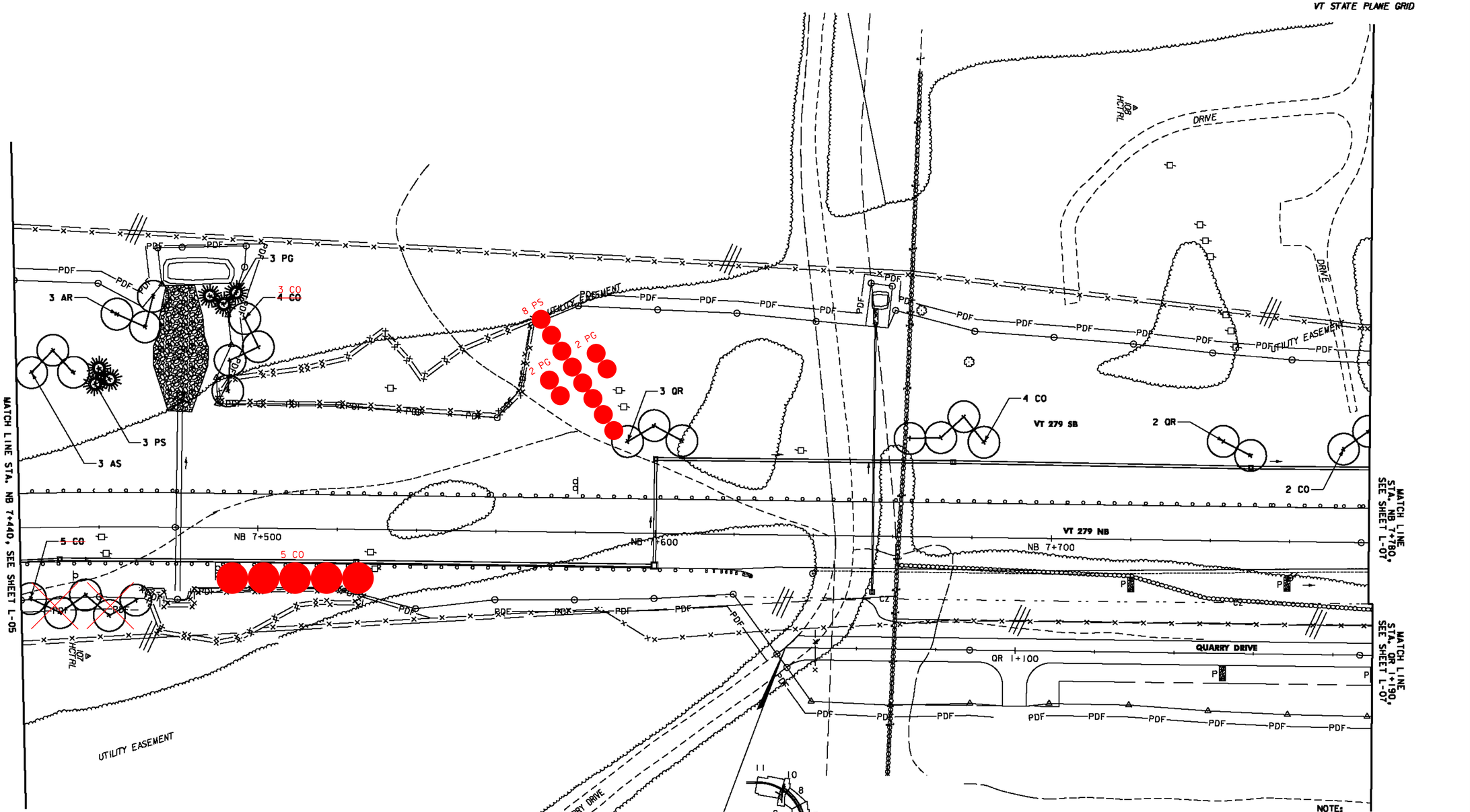
FILE NAME: ...\DGN\zd307c2p04.ptf
DESIGN SUPERVISOR: J. BENSON
DESIGNED BY: J. STEELE/C. BRODIE
LANDSCAPE PLAN L-05
PLOT DATE: 12/10/2007
DRAWN BY: E. SMALL
CHECKED BY: J. STEELE
SHEET 144 OF

I:\R3463PC\CONTRACT NO 2\DGN\zd307c2p04.ptf

Metric

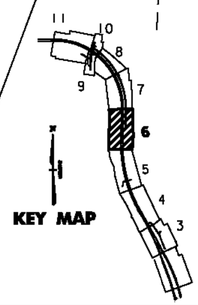
N

VT STATE PLANE GRID



POT STA. QR 1+042.037
LIMIT OF WORK

KEY MAP



10 0 10 M
1:500 SCALE @ FULL SIZE

NOTE:
THIS SHEET TO BE USED FOR LANDSCAPING INFORMATION ONLY

LEGEND

AMC.01(9) — DECIDUOUS SHRUB GROUPING WITH PLANT TYPE AND (QUANTITY)

AR.01(3) — DECIDUOUS TREE GROUPING WITH PLANT TYPE AND (QUANTITY)

AC.01(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.

VERMONT AGENCY OF TRANSPORTATION

DuBois & King inc.

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

FILE NAME: ...\DGN\zd307c2p05.ptf
DESIGN SUPERVISOR: J. BENSON
DESIGNED BY: J. STEELE/C. BRODIE
LANDSCAPE PLAN L-06
PLOT DATE: 12/10/2007
DRAWN BY: E. SMALL
CHECKED BY: J. STEELE
SHEET 145 OF

I:\R3463PC\CONTRACT NO 2\DGN\zd307c2p05.ptf

LEGEND

AMC.01(9) — DECIDUOUS SHRUB GROUPING WITH PLANT TYPE AND (QUANTITY)

AR.01(3) — DECIDUOUS TREE GROUPING WITH PLANT TYPE AND (QUANTITY)

AC.01(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.

VT STATE PLANE GRID

N

UTILITY EASEMENT

HOPPER

4 PS

4 PS

3 QR

4 AS

3 QR

2 AR

3 AR

2 AS

1 CO

1 AR

4 PG

PDF

CZ

P

T

C7

VT 279 NB

NB 8+000

NB 7+900

NB 7+800

QR 1+500

QR 1+400

QR 1+300

QR 1+200

QUARRY DRIVE

PENT ROAD

RELOCATED UTILITY EASEMENT

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+090 SEE SHEET L-08

MATCH LINE STA. QR 1+510 SEE SHEET L-08

KEY MAP

NOTE:
THIS SHEET TO BE USED FOR LANDSCAPING INFORMATION ONLY

10 0 10 M
1:500 SCALE
@ FULL SIZE

VERMONT AGENCY OF TRANSPORTATION

DuBois & King inc.

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

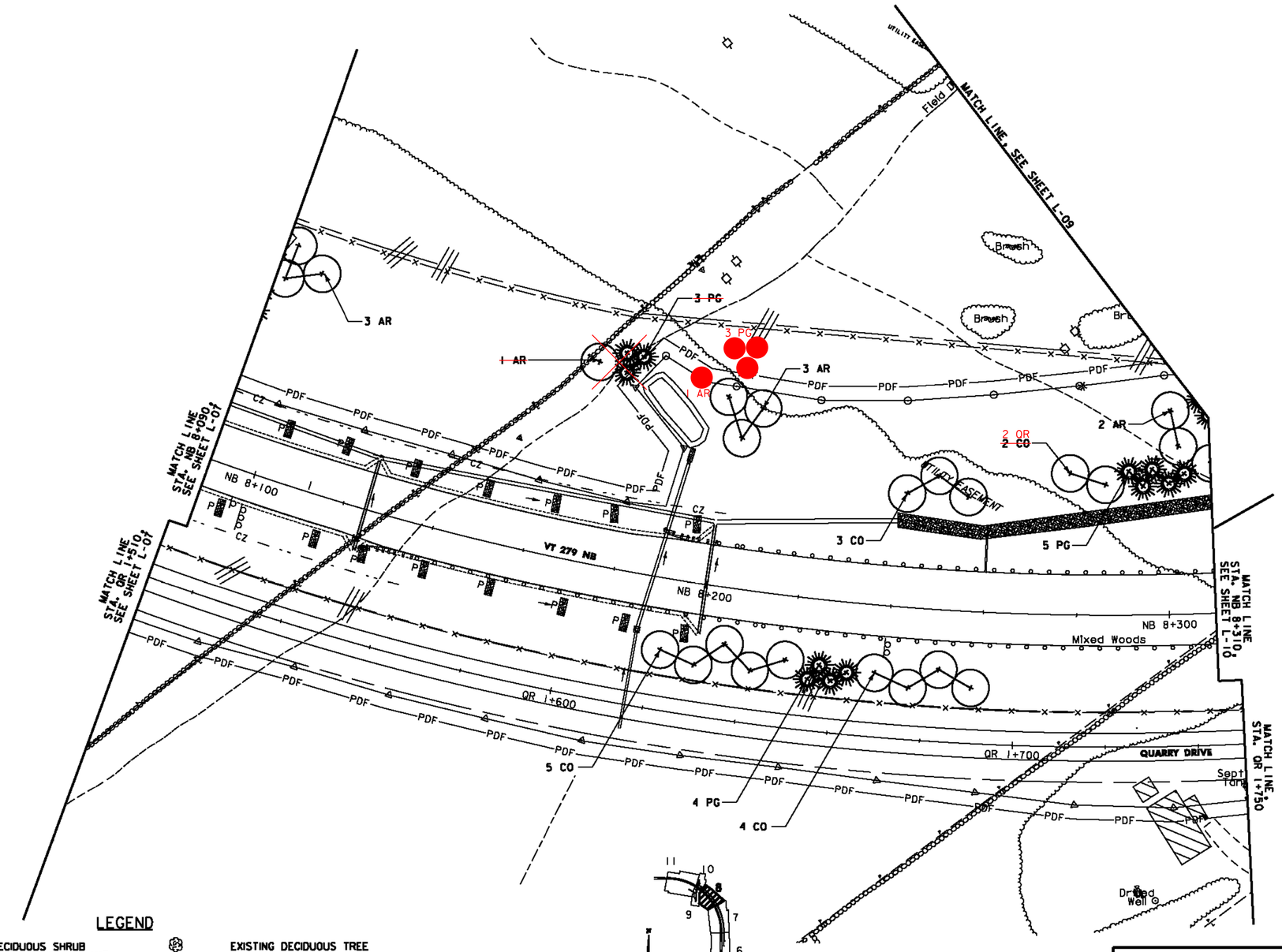
FILE NAME: ...\DGN\zd307c2p06.ptf
DESIGN SUPERVISOR: J. BENSON
DESIGNED BY: J. STEELE/C. BRODIE
LANDSCAPE PLAN L-07

PLOT DATE: 12/10/2007
DRAWN BY: E. SMALL
CHECKED BY: J. STEELE
SHEET 146 OF

I:\R3463PE\CONTRACT NO 2\DGN\zd307c2p06.ptf

Metric

VT STATE PLANE GRID



NOTE:
THIS SHEET TO BE USED FOR LANDSCAPING INFORMATION ONLY

LEGEND

AMC.01(9) — DECIDUOUS SHRUB GROUPING WITH PLANT TYPE AND (QUANTITY)

AR.01(3) — DECIDUOUS TREE GROUPING WITH PLANT TYPE AND (QUANTITY)

AC.01(4) — EVERGREEN TREE GROUPING WITH PLANT TYPE AND (QUANTITY)

EXISTING DECIDUOUS TREE

EXISTING EVERGREEN TREE

TOE OF SLOPE

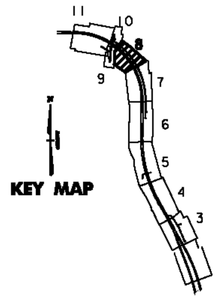
LIMIT OF CUT

APPROXIMATE ULTIMATE TOE OF SLOPE

APPROXIMATE ULTIMATE LIMIT OF CUT

TREELINE

R.O.W.



KEY MAP

10 0 10 M

1:500 SCALE @ FULL SIZE

VERMONT AGENCY OF TRANSPORTATION

DuBois & King inc.

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

FILE NAME: ...\DGN\zd307c2p07.ptf
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

I:\R3463PC\CONTRACT NO 2\DGN\zd307c2p07.ptf

Metric

N
VT STATE PLANE GRID

MATCH LINE, SEE SHEET L-10

POT STA. CH 1+251.750
END APPROACH
BEGIN CONSTRUCTION

POT STA. CH 1+225.000
BEGIN APPROACH

1 QR
1 QR
2 AR
3 AS
3 AS
3 CO
3 AR
3 PG

CZ
CZ
CZ
CZ
CZ
CZ
CZ

PDF
AERIAL EXT
AERIAL EXT
AERIAL EXT

CHAPEL ROAD
CH 1+300
CH 1+250
CH 1+200
TO NORTH BRANCH STREET

MATCH LINE, STA. CH 1+350.0, SEE SHEET L-10
MATCH LINE, SEE SHEET L-08

LEGEND

AMC.01 (9) — DECIDUOUS SHRUB GROUPING WITH PLANT TYPE AND (QUANTITY)
AR.01 (3) — DECIDUOUS TREE GROUPING WITH PLANT TYPE AND (QUANTITY)
AC.01 (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.

KEY MAP

5 0 5
1:250 SCALE @ FULL SIZE

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\zd307c2p08.ptf
DESIGN SUPERVISOR: J. BENSON
DESIGNED BY: J. STEELE/C. BRODIE
LANDSCAPE PLAN L-09
PLOT DATE: 12/10/2007
DRAWN BY: E. SMALL
CHECKED BY: J. STEELE
SHEET 148 OF

I:\R3463PE\CONTRACT NO 2\DGN\zd307c2p08.ptf

Metric

VT STATE PLANE GRID

MATCH LINE STA. NB 8+390, SEE SHEET L-11

VT 279 NB

POC STA. NB 8+365.523
END BRIDGE
RESUME ROADWAY

POC STA. NB 8+331.583
STOP ROADWAY
BEGIN BRIDGE

POT STA. CH 1+438.250
END CONSTRUCTION
BEGIN APPROACH

POT STA. CH 1+465.000
END APPROACH

3 CO
1 AR
3 PG
3 CO
3 CO

CZ
PDF
TOE
CH 1+350
CH 1+400
CH 1+450
CH 1+500
TO EAST ROAD

QUARRY DRIVE

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

AMC.01 (9) — DECIDUOUS SHRUB GROUPING WITH PLANT TYPE AND (QUANTITY)

AR.01 (3) — DECIDUOUS TREE GROUPING WITH PLANT TYPE AND (QUANTITY)

AC.01 (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.

KEY MAP

1:250 SCALE @ FULL SIZE

NOTE:
THIS SHEET TO BE USED FOR LANDSCAPING INFORMATION ONLY

I:\R3463PC\CONTRACT NO 2\DGN\zd307c2p09.ptf

VERMONT AGENCY OF TRANSPORTATION

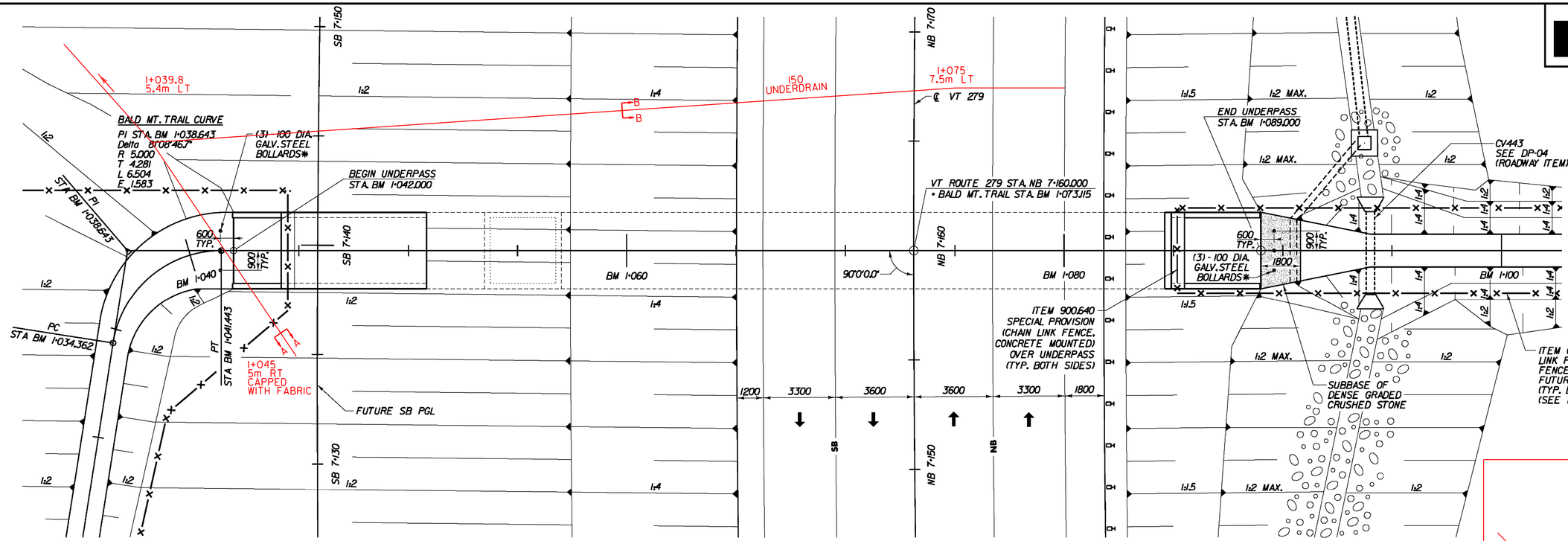
DuBois & King inc.

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

FILE NAME: ...\DGN\zd307c2p09.ptf
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

VAOT Metric

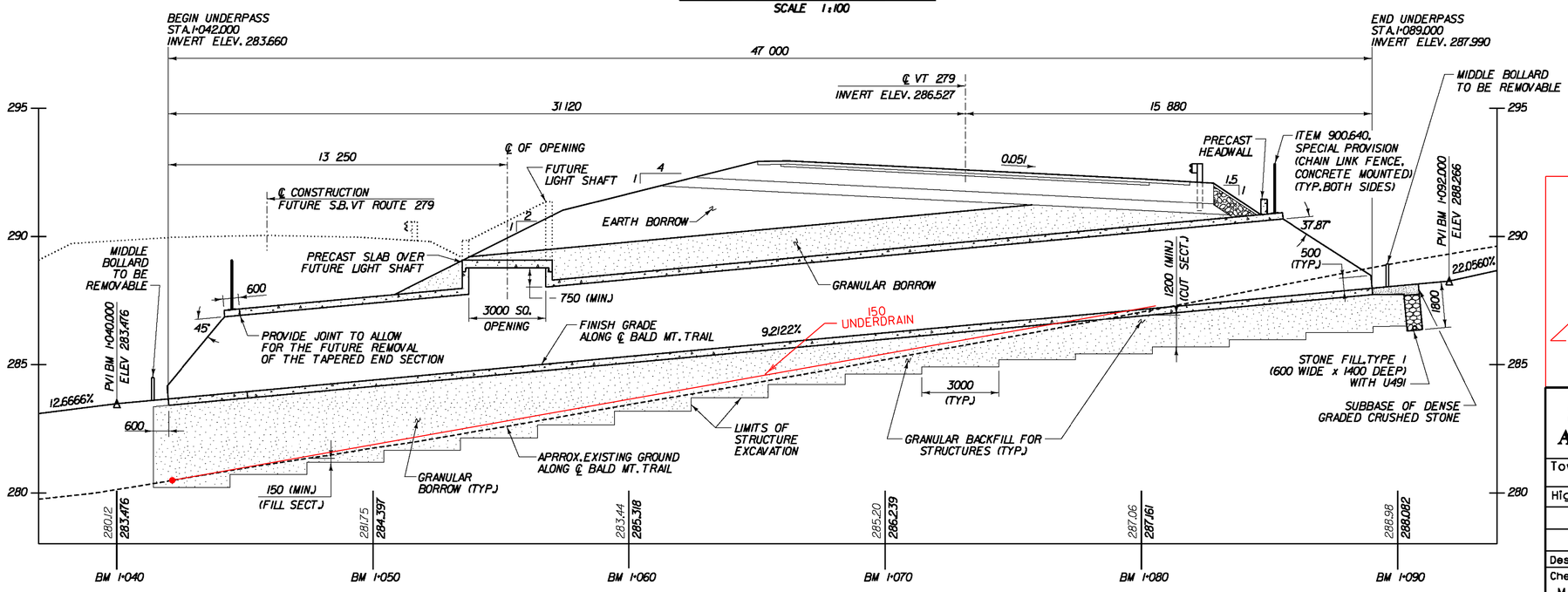


*SEE VAOT STANDARD A-80 FOR BOLLARD DETAILS

PLAN

0 2 4 6 8 10 m

SCALE 1:100

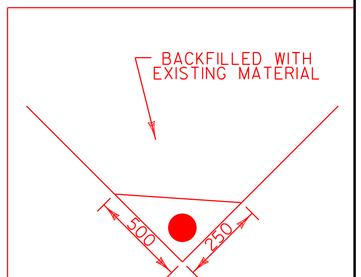


BALD MT. TRAIL PROFILE

0 2 4 6 8 10 m

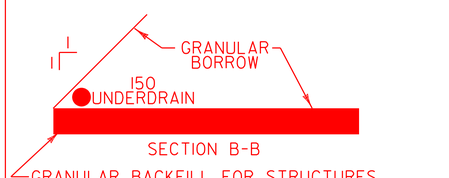
SCALE 1:100

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



SECTION A-A

TYPICAL OF UNDERDRAIN AT BM 1+039 - 1+045



SECTION B-B

GRANULAR BACKFILL FOR STRUCTURES

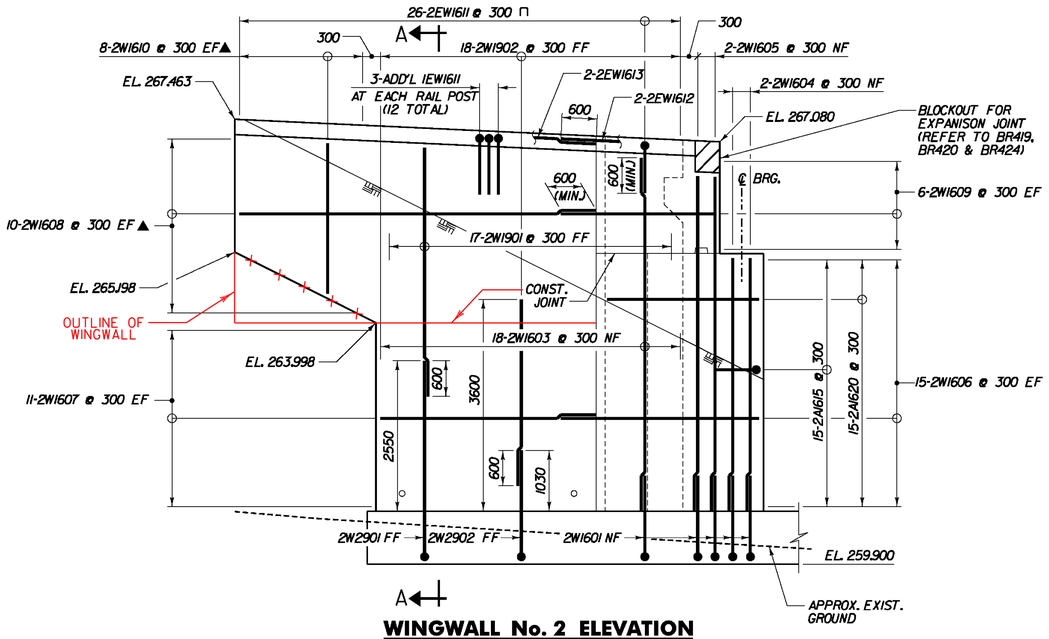
TYPICAL OF UNDERDRAIN ON TOP OF GRANULAR BACKFILL FOR STRUCTURES

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 019-1(52)
Dgn.: ...\Design\BM\BM-Plan.dgn	Plot Date: 5/18/2011
Bridge Sheet No. BR301	Sheet 154 of 267

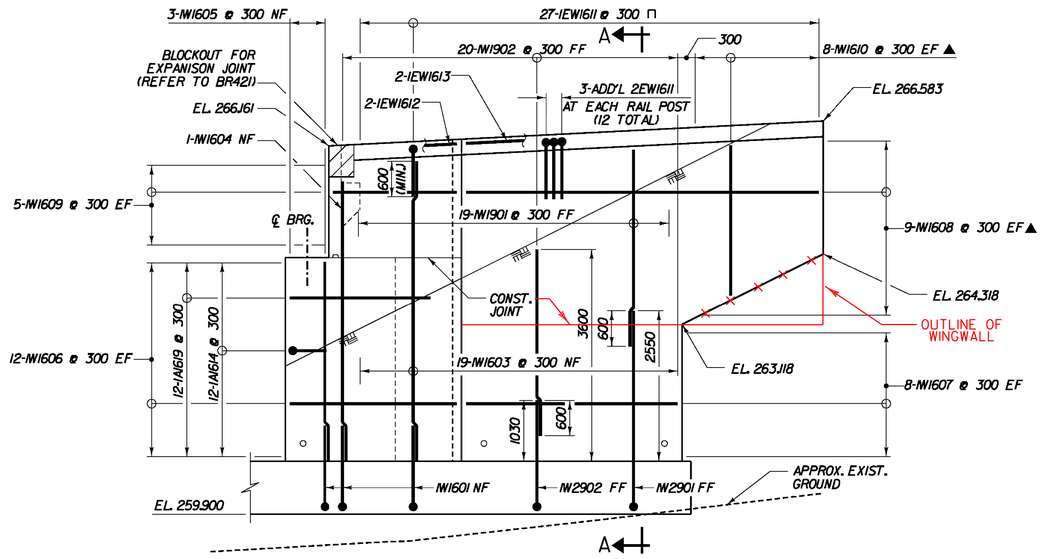
Stantec

V:\1953\active\19530002\transportation\structural\Design\BM\BM-Plan.dgn



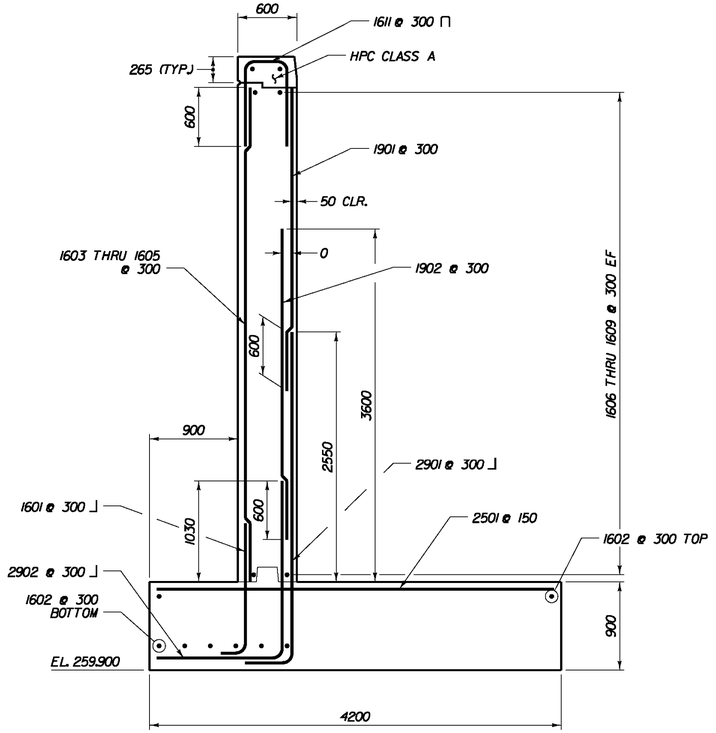
WINGWALL No. 2 ELEVATION

SCALE 1:50



WINGWALL No. 1 ELEVATION

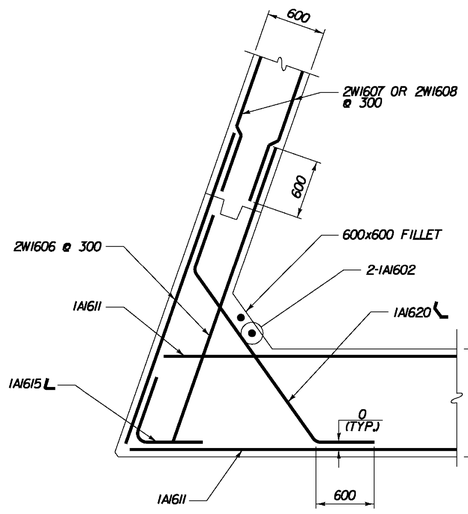
SCALE 1:50



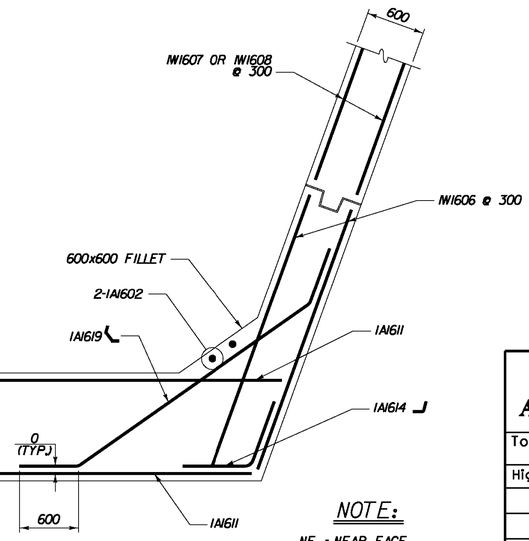
SECTION A–A

SCALE 1:30

WINGWALL NO.2



WINGWALL NO.1



ABUTMENT 1 – 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.

STATE OF VERMONT
AGENCY OF TRANSPORTATION

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

VT ROUTE 279 OVER CHAPEL ROAD

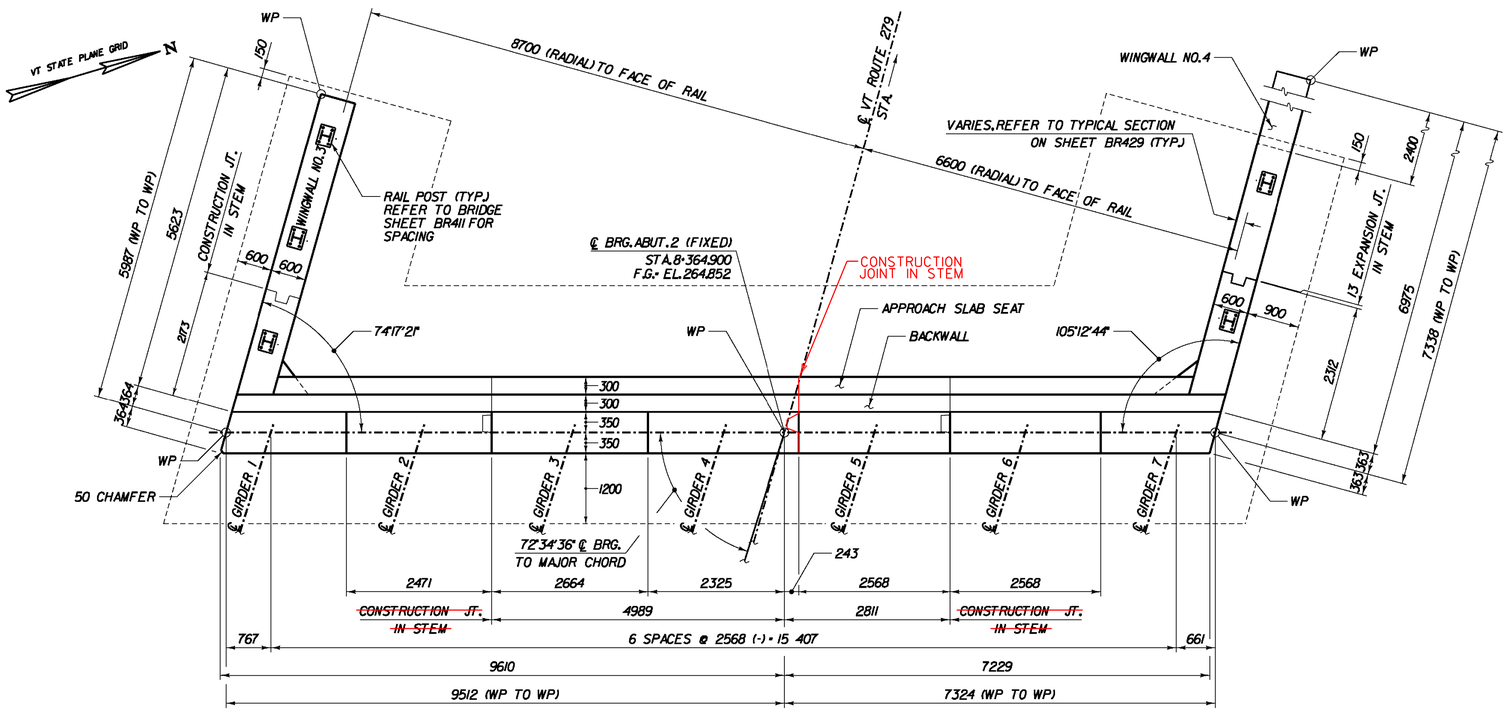
ABUTMENT 1 WINGWALL DETAILS

Designed By T. KNIGHT	Drawn By J. SOTER
Checked By G. BOGUE Date 11/06	Bridge Design Supervisor G. BOGUE Date 12/05
PROJECT BENNINGTON	PROJECT NO. AC NH 019-1(52)
Dgn.: ...\design\ch\CH-Abutlw.dgn	Plot Date: 5/18/2011
Bridge Sheet No. BR425	Sheet 185 of 267

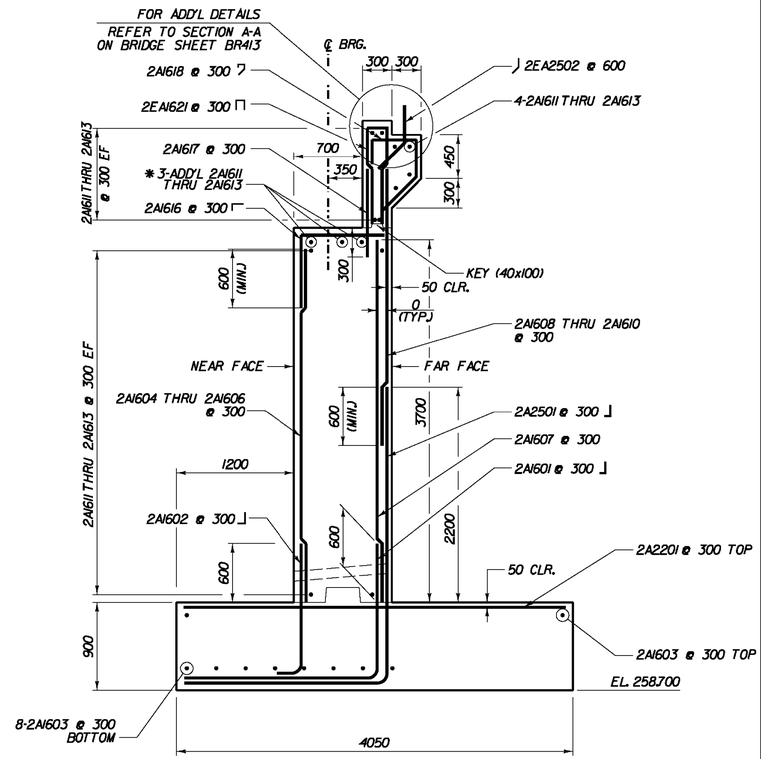
Stantec

v:\1953\active\195300021\transportation\structural\design\ch\CH-Abutlw.dgn

VAOT Metric

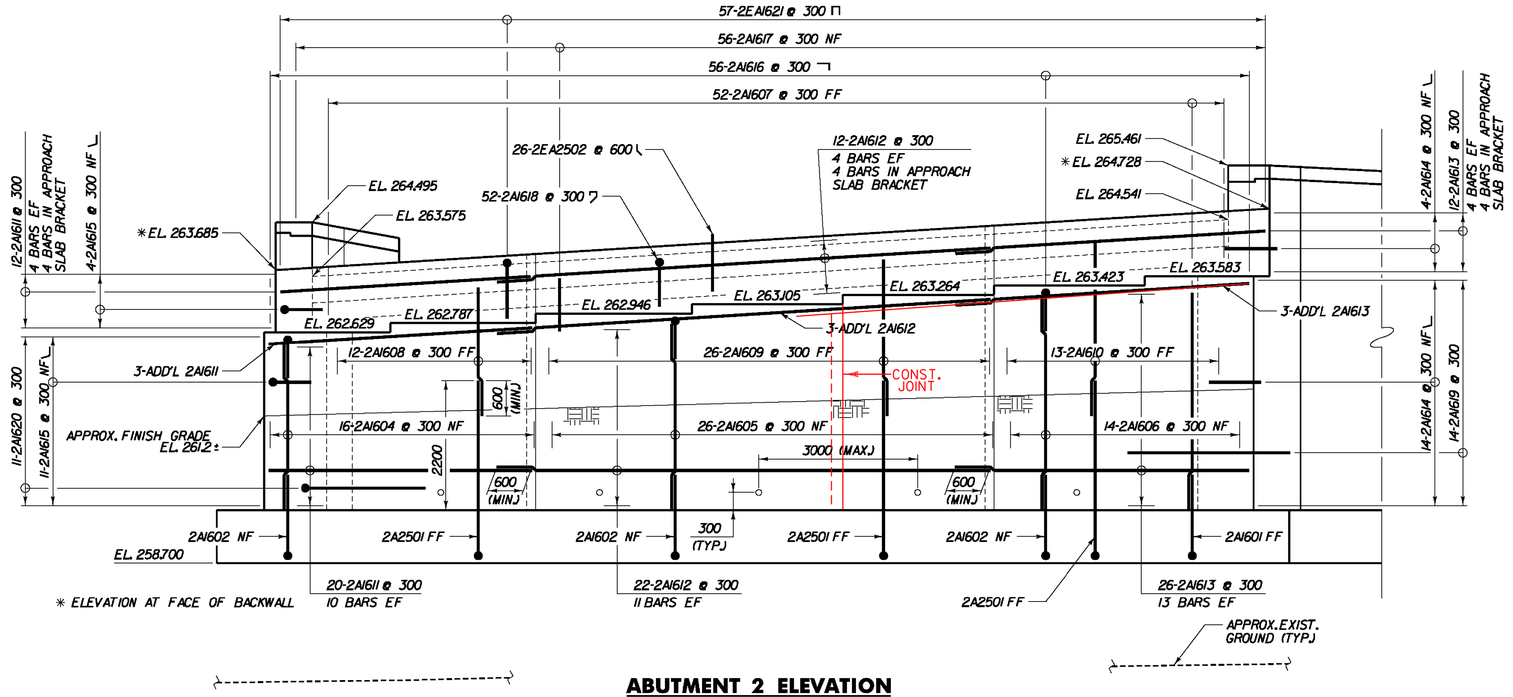


ABUTMENT 2 PLAN
SCALE 1:50



* - SPACE TO AVOID ANCHOR RODS

ABUTMENT 2 TYPICAL SECTION
SCALE 1:30



* ELEVATION AT FACE OF BACKWALL

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.

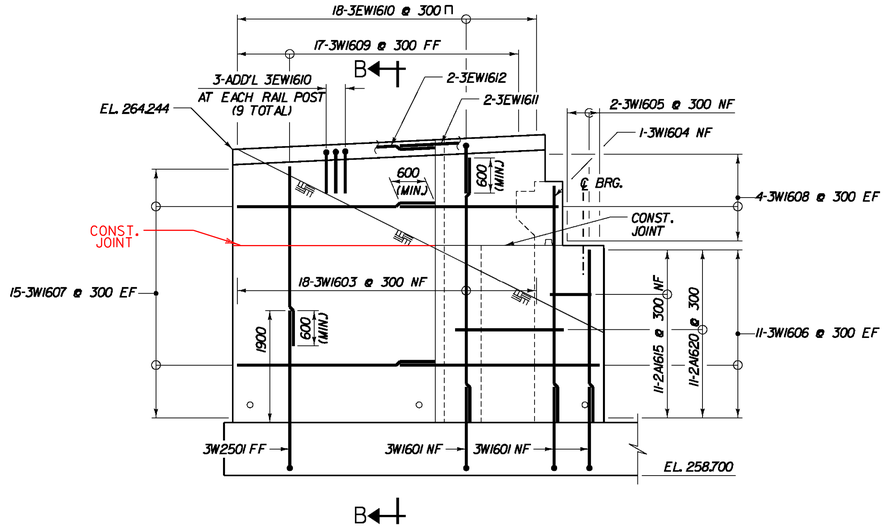
VT ROUTE 279 OVER CHAPEL ROAD

ABUTMENT 2 DETAILS

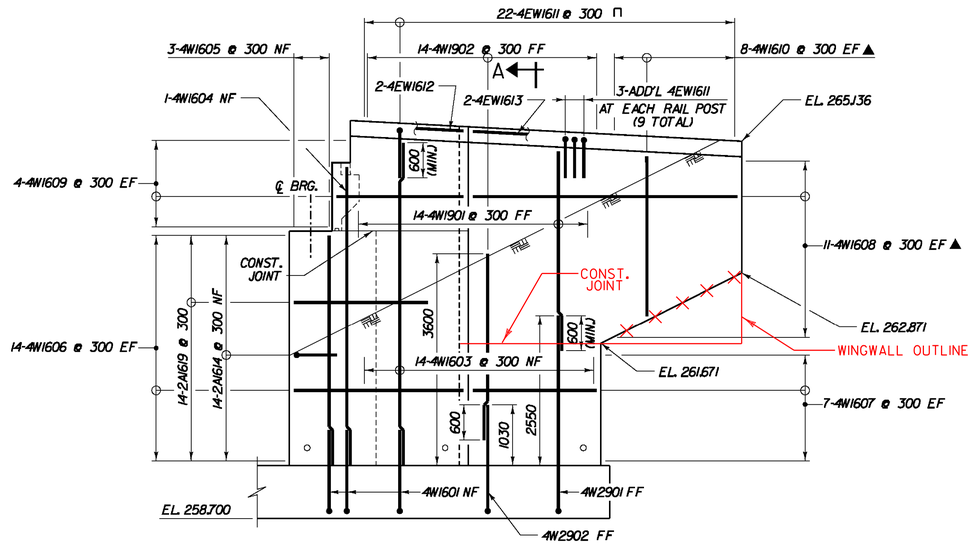
Designed By T. KNIGHT	Drawn By J. SOTER
Checked By G. BOGUE — Date 05/06	Bridge Design Supervisor G. BOGUE — Date 12/05
PROJECT BENNINGTON	PROJECT NO. AC NH 019-1(52)
Dgn.: ...\design\ch\CH-Abut 2.dgn	Plot Date: 5/18/2011
Bridge Sheet No. BR427	Sheet 187 of 267

Stantec

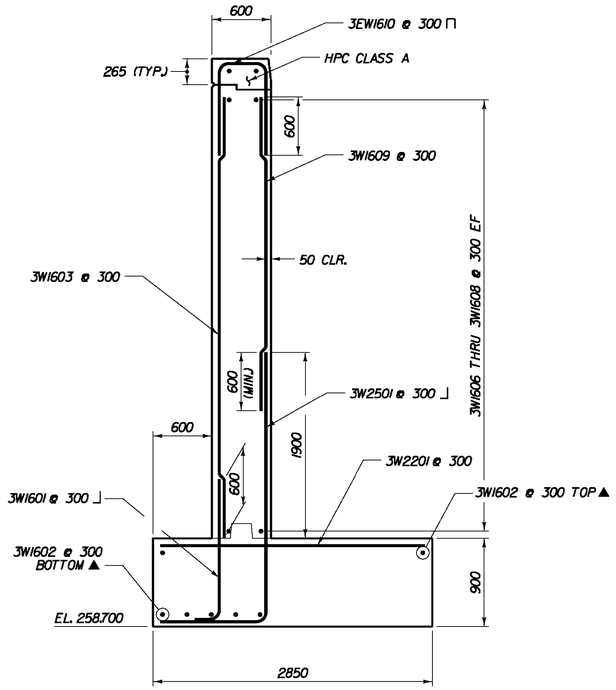
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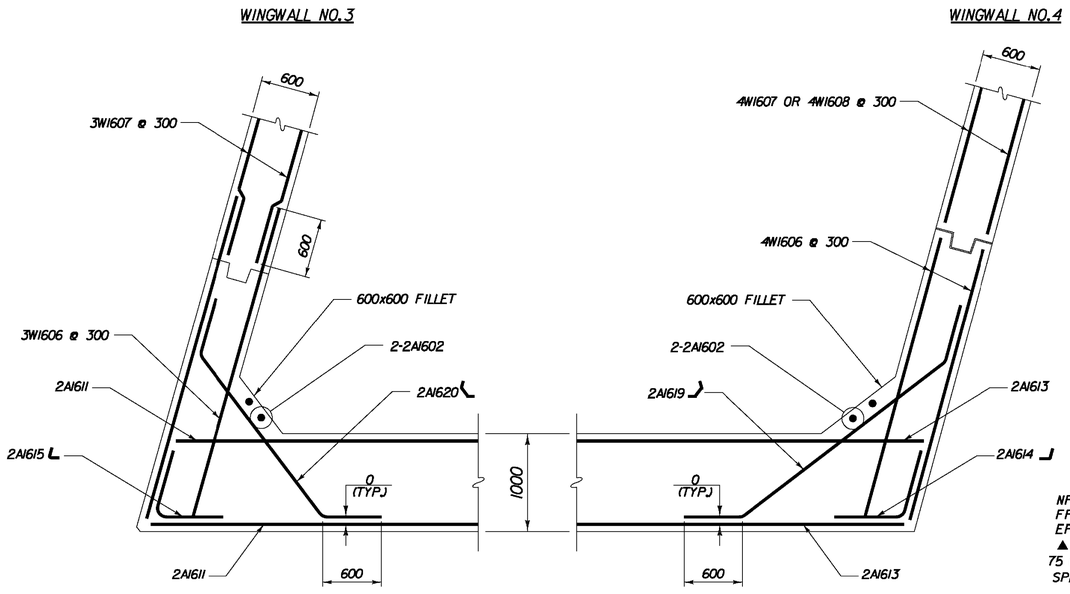
WINGWALL No. 3
SCALE 1:50



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 G. BOGUE Date 05/06	Bridge Design Supervisor G. BOGUE Date 12/05
PROJECT BENNINGTON	PROJECT NO. AC NH 019-1(52)
Dgn.: ...\design\ch\CH-Abut2w.dgn	Plot Date: 5/18/2011
Bridge Sheet No. BR428	Sheet 188 of 267

Stantec

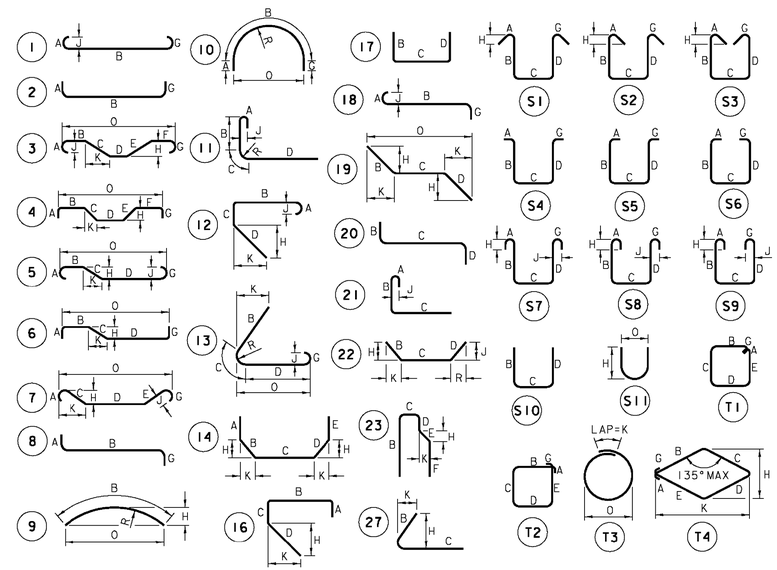
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ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
1																	
2			**ABUTMENT 1**														
3	53	16	3600	1A1601	17		2175	1425									
4	62	16	1675	1A1602	17		250	1425									
5	44	16	9760	1A1603	STR.												
6	16	16	4120	1A1604	STR.												
7	26	16	3675	1A1605	STR.												
8	16	16	3380	1A1606	STR.												
9	53	16	3700	1A1607	STR.												
10	13	16	3350	1A1608	STR.												
11	26	16	3050	1A1609	STR.												
12✱	15	16	2600	1A1610	STR.												
13	45	16	~~5290~~ 8101	1A1611	STR.												
14	43	16	8400	1A1612	STR.												
15	39	16	~~4500~~ 9489	1A1613	STR.												
16	17	16	1400	1A1614	22		700	700					237		658		
17	20	16	1400	1A1615	27		700	700					660		230		
18	58	16	1875	1A1616	17			975	900								
19	58	16	900	1A1617	STR.												
20	53	16	1975	1A1618	16	250	575	325	825				580		580		
21	12	16	4740	1A1619	22		600	3540	600				345	345	490	490	
22	15	16	3725	1A1620	22		600	2525	600				490	490	345	345	
23																	
24	4	16	8880	1EA1621	STR.												
25	3	16	3860	1EA1622	17		1830	200	1830								
26	53	16	3395	1EA1623	17		1560	275	1560								
27✱	4	16	3700	1EA1624	17		1750	200	1750								
28																	
29△	54	22	3900	1A2201	STR.												
30																	
31	53	25	5200	1A2501	17		2175	3025									
32																	
33	27	25	1200	1EA2502	22		600	600					424		424		
34																	
35			**ABUTMENT 2**														
36	52	16	3500	2A1601	17		2075	1425									
37	60	16	1675	2A1602	17		250	1425									
38	44	16	9425	2A1603	STR.												
39	16	16	2950	2A1604	STR.												
40	26	16	3270	2A1605	STR.												
41	14	16	3750	2A1606	STR.												
42	56	16	3700	2A1607	STR.												
43✱	13	16	2190	2A1608	STR.												
44	26	16	2665	2A1609	STR.												
45	13	16	2985	2A1610	STR.												
46	35	16	~~4620~~ 2609	2A1611	STR.												
47	37	16	8400	2A1612	STR.												
48	41	16	~~5020~~ 7831	2A1613	STR.												
49	18	16	1400	2A1614	22		700	700					675		184		
50	15	16	1400	2A1615	27		700	700					674		190		
51	56	16	1795	2A1616	17			875	920								
52	56	16	900	2A1617	STR.												
53	57	16	1610	2A1618	16	250	475	325	560				400		400		
54	14	16	4410	2A1619	22		600	3210	600				364	364	477	477	
55	11	16	3670	2A1620	22		600	2470	600				478	478	362	362	
56																	
57	58	16	2055	2EA1621	17		940	175	940								
58																	
59	51	22	3900	2A2201	STR.												
60																	
61	51	25	5100	2A2501	17		2075	3025									
62																	
63	26	25	1200	2EA2502	22		600	600					424		424		
64																	
65			**WINGWALL 1**														
66	23	16	1675	1W1601	17		250	1425									
67	21	16	7700	1W1602	STR.												
68	19	16	5020	1W1603	STR.												
69	1	16	4720	1W1604	STR.												
70	3	16	3380	1W1605	STR.												
71	24	16	2840	1W1606	STR.												
72	16	16	3675	1W1607	STR.												
73▲	18	16	6075	1W1608	STR.												
74✱	11	16	2095	1W1609	STR.												
75▲	16	16	2900	1W1610	STR.												
76																	
77	39	16	2780	1EW1611	17		1165	450	1165								
78✱	3	16	1670	1EW1612	STR.												
79	2	16	6150	1EW1613	STR.												
80																	
81✱	20	19	3100	1W1901	STR.												
82	20	19	3170	1W1902	STR.												
83																	
84✱	40	25	4050	1W2501	STR.												
85																	
86	19	29	3850	1W2901	17		475	3375									
87✱	21	29	3230	1W2902	17		1375	1855									
88																	
89																	
90																	
91																	
92																	
93																	

ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
94																	
95			**WINGWALL 2**														
96	22	16	1675	2W1601	17		250	1425									
97▲	21	16	8156	2W1602	STR.												
98	18	16	5975	2W1603	STR.												
99	2	16	4295	2W1604	STR.												
100	2	16	5620	2W1605	STR.												
101	30	16	3375	2W1606	STR.												
102	22	16	3675	2W1607	STR.												
103▲	20	16	6075	2W1608	STR.												
104	12	16	2700	2W1609	STR.												
105▲	16	16	2900	2W1610	STR.												
106																	
107	38	16	2650	2EW1611	17		1100	450	1100								
108	2	16	2200	2EW1612	STR.												
109	2	16	6100	2EW1613	STR.												
110																	
111	17	19	4300	2W1901	STR.												
112✱	19	19	3170	2W1902	STR.												
113																	
114✱	37	25	4050	2W2501	STR.												
115																	
116	17	29	3850	2W2901	17		475	3375									
117✱	19	29	3230	2W2902	17		1375	1855									
118																	
119			**WINGWALL 3**														
120	21	16	1675	3W1601	17		250	1425									
121▲	15	16	7740	3W1602	STR.												
122	18	16	4300	3W1603	STR.												
123	1	16	4000	3W1604	STR.												
124	2	16	2950	3W1605	STR.												
125	22	16	3425	3W1606	STR.												
126	30	16	3400	3W1607	STR.												
127	8	16	2700	3W1608	STR.												
128	17	16	3250	3W1609	STR.												
129																	
130✱	28	16	2275	3EW1610	17		1125	425	1125								
131	2	16	2400	3EW1611	STR.												
132	2	16	3400	3EW1612	STR.												
133																	
134△	20	22	2700	3W2201	STR.												
135																	
136△	19	25	3800	3W2501	17		1075	2725									
137																	
138			**WINGWALL 4**														
139	18	16	1675	4W1601	17		250	1425									
140	21	16	6300	4W1602	STR.												
141	14	16	5300	4W1603	STR.												
142	1	16	5050	4W1604	STR.												
143	3	16	3900	4W1605	STR.												
144	28	16	2890	4W1606	STR.												
145✱	15	16	2175	4W1607	STR.												
146▲	22	16	4575	4W1608	STR.												
147	8	16	2160	4W1609	STR.												
148	16	16	3050	4W1610	STR.												
149																	
150	31	16	2725	4EW1611	17		1125	475	1125								
151	2	16	1850	4EW1612	STR.												
152	2	16	4575	4EW1613	STR.												
153																	
154	14	19	3600	4W1901	STR.												
155△	16	19	3170	4W1902	STR.												
156																	
157	29	25	4050	4W2501	STR.												
158																	
159	14	29	3850	4W2901	17		475	3375									
160△	16	29	3230	4W2902	17		1375	1855									
161																	
162			**DECK**														
163	223	16	11 300	ES1601	STR.												
164△	225	16	6320	ES1602	STR.												
165	396	16	11 730	ES1603	STR.												
166	216	16	7830	ES1604	1	180	7650									130	
167	216	16	10 380	ES1605	1	180	10 200									130	
168	315	16	1780	ES1606	S5	250	430	420	430							250	
169	48	16	1540	ES1607	S5	250	230	580	230							250	
170	57	16	1930	ES1608	S5	250	300	830	300							250	
171																	
172			**APPROACH SLAB NO. 1**														
173	44	16	8200	1EAS1601	STR.												
174																	
175△	66	29	6220	1EAS2901	1	375	5845									300	
176																	
177			**APPROACH SLAB NO. 2**														
178△	46	16	8000	2EAS1601	STR.												
179																	
180	64	29	6220	2EAS2901	1	375	5845									300	
181																	
182																	
183																	
184																	
185																	
186																	

NOTES

1. UNLESS OTHERWISE DESIGNATED, ALL BAR REINFORCEMENT FOR CONCRETE IN SIZES UP TO AND INCLUDING 55M SHALL CONFROM TO THE REQUIREMENT OF THE "SPECIFICATIONS FOR DEFORMED BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT", AASHTO M 31M (ASTM A 615M-SI). ALL BARS SHALL BE GRADE 420, UNLESS OTHERWISE DESIGNATED.
2. FOR TYPICAL BENDING DETAILS, RECOMMENDED PIN DIAMETER "D" OF BENDS AND HOOKS, AND OTHER STANDARD PRACTICE, SEE CURRENT CONCRETE REINFORCING STEEL INSTITUTE "MANUAL OF STANDARD PRACTICE".
3. BARS WHICH REQUIRE MORE ACCURATE BENDING THAN STANDARD PRACTICES SHOULD HAVE LIMITS INDICATED.
4. ALL DIMENSIONS ARE OUT TO OUT OF BAR EXCEPT "A" AND "G" ON STANDARD 180 DEGREE AND 135 DEGREE HOOKS.
5. "J" DIMENSION ON 180 DEGREE HOOKS ARE TO BE SHOWN ONLY WHEN NECESSARY TO RESTRICT HOOK SIZE. OTHERWISE, STANDARD HOOKS ARE TO BE USED.
6. "H" DIMENSION ON STIRRUPS ARE TO BE SHOWN ONLY WHEN NECCESSARY TO MAINTAIN CLEARANCES.
7. WHERE SLOPE DIFFERS FROM 45 DEGREES, DIMENSIONS "H" AND "K" MUST BE SHOWN.
8. ▲ DENOTES BARS TO BE CUT IN FIELD.
9. ✱ DENOTES ONE EXTRA BAR ADDED FOR TESTING PURPOSES.
10. △ DENOTES TWO EXTRA BARS ADDED FOR TESTING PURPOSES.
11. "E" IN PREFIX DENOTES EPOXY COATED REINFORCING STEEL.



ASTM STANDARD REINFORCING BARS

BAR SIZE DESIGNATION	NOMINAL MASS kg/m	NOMINAL DIMENSIONS ROUND SECTION: DIAMETER mm	CROSS SECTIONAL AREA mm²	PERIMETER mm
10	0.560	9.5	71	29.84
13	0.994	12.7	129	39.90
16	1.552	15.9	199	49.95
19	2.235	19.1	284	60.00
22	3.042	22.2	387	69.74
25	3.973	25.4	510	79.80
29	5.060	28.7	645	90.16
32	6.404	32.3	819	101.47
36	7.907	35.8	1006	112.47
43	11.380	43.0	1452	135.09
57	20.240	57.3	2581	180.01

Stantec

STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town Of BENNINGTON	Bridge No.
Highway No.	Log Sta. / Surv. Sta.
VT ROUTE 279 OVER CHAPEL ROAD	
REINFORCING STEEL SCHEDULE	
Designed By T. KNIGHT	Drawn By J. SOTER
Checked By T. KNIGHT Date 07/06	Bridge Design Supervisor G. BOGUE Date 12/05
PROJECT BENNINGTON	PROJECT NO. AC NH 019-1(52)
Dgn.: ...\design\ch\CH-RebarSched.dgn	Plot Date: 5/18/2011
Bridge Sheet No. BR433	Sheet 193 of 267

v:\1953\active\195300002\transportation\structural\design\ch\CH-RebarSched.dgn

10 YEAR FLOWS TO EXISTING TOWN CULVERT
PRE CONSTRUCTION
Q= 1.5765 cms
POST CONSTRUCTION NO POND
Q = 2.6385 cms
POST CONSTRUCTION WITH POND
Q = 1.086 cms

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

VT STATE PLANE GRID N

Metric

SLOPE STABILIZATION SEE DETAIL ON SHEET MD-1

NB 7+300

NB 7+400

NB 7+500

NB 7+600

439a

OUTLET CONTROL STRUCTURE FOR 10YR & 50YR STORM

RETENTION POND BOTTOM ELEV. 288.10

EMERGENCY OVERFLOW FOR 100YR STORM

STUMP DISPOSAL AREA

CUTOFF SWALE

TEMPORARY EROSION MATTING

PROPOSED LOCATION OF NEW PDF FOR POND/SWALE CONSTRUCTION

PROPOSED LOCATION OF NON-FENCE FOR RETENTION POND / CUTOFF SWALE

NEW DRAINAGE PIPES

PIPE #	LOCATION	COMMENTS
439a	NB 7+370.1 - NB 7+388.6 RT	750 X 18.1 m PIPE OPTION 2

NEW DRAINAGE STRUCTURES

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

10 0 10 M
1:500 SCALE
@ FULL SIZE

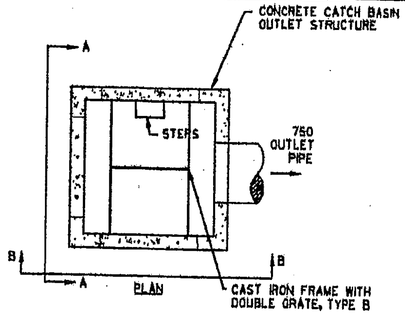
PROUTY SWALE RETENTION BASIN
EAST SIDE OF MAINLINE
DATE: OCTOBER 28, 2008

VERMONT AGENCY OF TRANSPORTATION

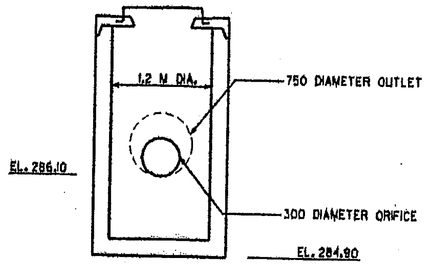
Stantec

PROJECT NAME: BENNINGTON
PROJECT NUMBER: NB NH1991857X(52)
FILE NAME: ...\plot_files\zd307wrk_pond3.plt PLOT DATE: 10/30/2008
DESIGN SUPERVISOR: GREG EDWARDS DRAWN BY: STANTEC
DESIGNED BY: MARC FOISY CHECKED BY: GARY SANTY
SHEET OF 287

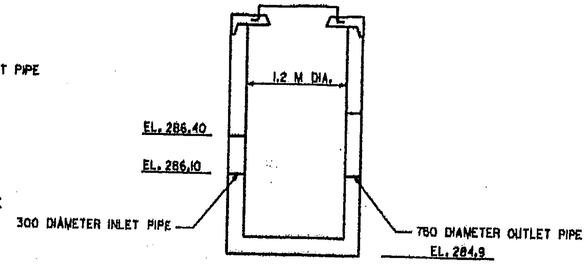
RECORD PLANS



CONCRETE CATCH BASIN DRY POND OUTLET (TOP VIEW)
NOT TO SCALE



CONCRETE CATCH BASIN DRY POND OUTLET (FRONT VIEW A-A)
NOT TO SCALE



CONCRETE CATCH BASIN DRY POND OUTLET (SIDE VIEW B-B)
NOT TO SCALE

GENERAL NOTES:

1. THE DRY POND AREA SHALL BE CLEARED OF [illegible] S, STUMPS, BOULDERS AND SOD TO A MINIMUM DEPTH OF 300 BELOW FINAL GRADE.

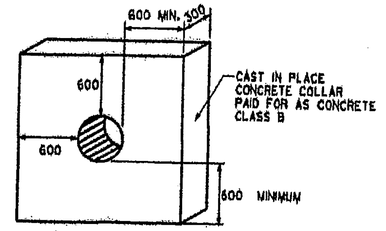
2. CONCRETE CATCH BASIN DRY POND OUTLET TO BE CONSTRUCTED WITH HOLE SIZES AND SPACING AS SHOWN WITH ANY FIELD ADJUSTMENTS APPROVED BY THE ENGINEER. HOLES SHALL BE CAST WITH THE SECTION TO AVOID POSSIBLE RUST STAINS FROM EXPOSED REINFORCEMENT.

3. SEED AND MULCH ALL EARTH SLOPES WITHIN 24 HOURS OF COMPLETION OF FINAL GRADING. STABILIZE THE INLET AREA WITH REQUIRED EROSION CONTROL MEASURES.

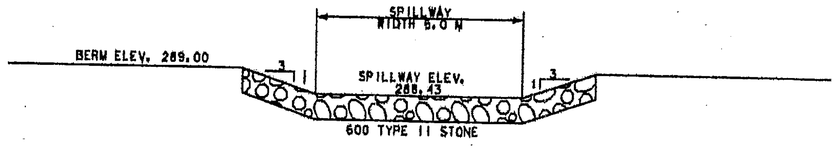
4. REMOVE ACCUMULATED SEDIMENT FROM POND AT COMPLETION OF PROJECT. AT THE DIRECTION OF THE ENGINEER.

5. ANTI-SEEP COLLARS SHALL BE INSTALLED AS SHOWN TO RESIST FLOW ALONG THE OUTSIDE OF THE PIPE. COLLARS SHOULD PROJECT A MINIMUM OF 0.6 M FROM THE PIPE. MAXIMUM SPACING OF COLLARS IS 6 M.

6. OUTLET STRUCTURE TO BE PAID FOR AS ITEM 604.10 CONCRETE CATCH BASIN W/ 2 TYPE B GRATES.

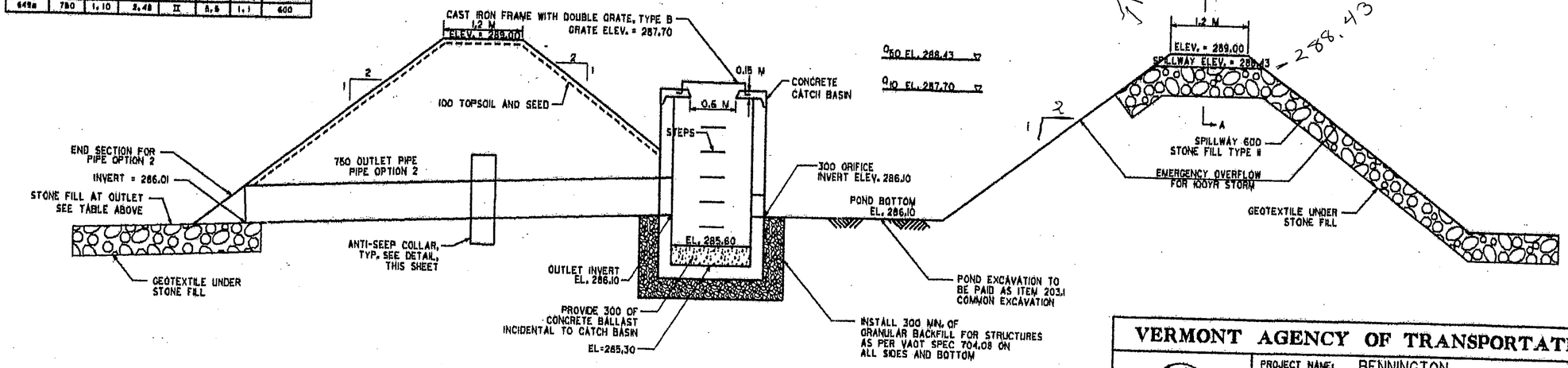


ANTI-SEEP COLLAR
NOT TO SCALE



A-A

STONE OUTLET PROTECTION							
OUTLET PIPE NO.	PIPE SIZE (mm)	FLOW (cms)	VELOCITY (m/s)	STONE TYPE	PAD LENGTH (m)	PAD WIDTH (m)	PAD THICKNESS (mm)
649a	750	1.10	2.48	II	5.5	1.1	600



DRY POND SECTION
NOT TO SCALE

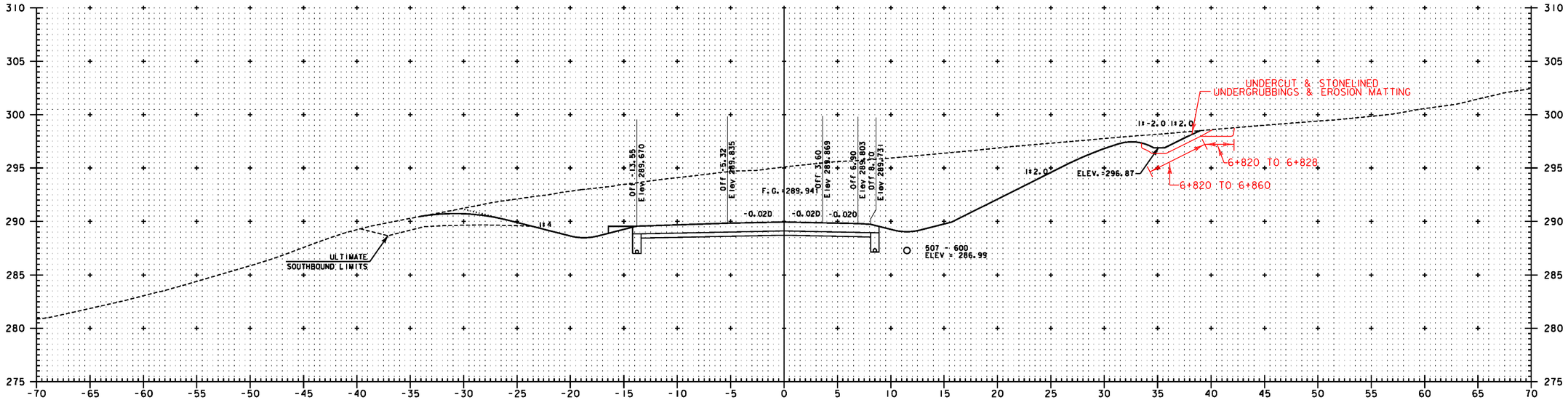
VERMONT AGENCY OF TRANSPORTATION

Stantec

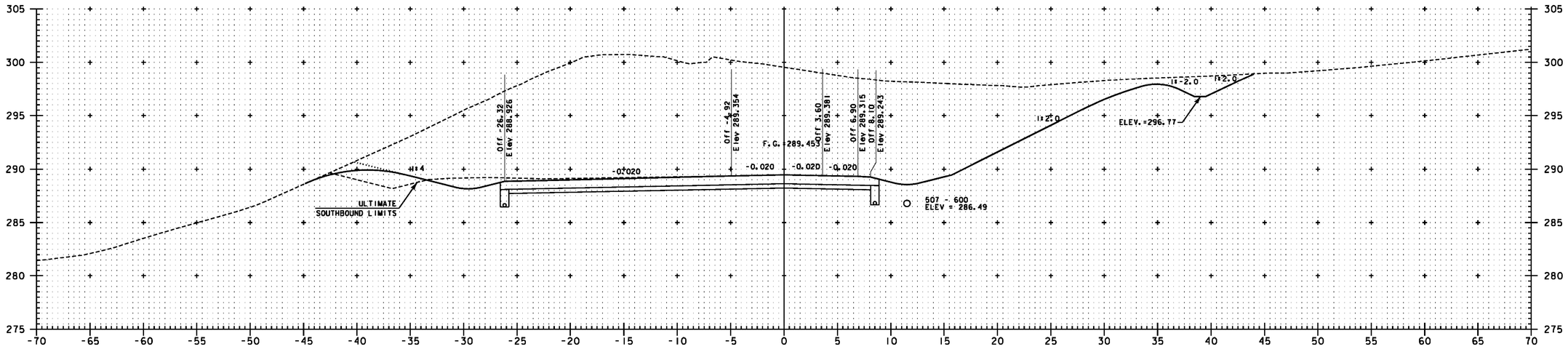
PROJECT NAME: BENNINGTON
PROJECT NUMBER: AC NH 019-1(52)

FILE NAME: ...\plot_files\zd307c2det_sym.plt
PLOT DATE: 10/30/2008
DESIGN SUPERVISOR: GREG EDWARDS
DRAWN BY: STANTEC
DESIGNED BY: MARC FOISY
CHECKED BY: GARY SANTY
STORMWATER MANAGEMENT DETAILS
SHEET OF 267

K:\053\active\053600021\fro...ration\drawing\common\zd307c2plot_files\zd307c2det_swm.plt



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.

10 METERS
5
H 1:200 SCALE
V 1:200 SCALE
@ FULL SIZE
5 10 METERS

VERMONT AGENCY OF TRANSPORTATION

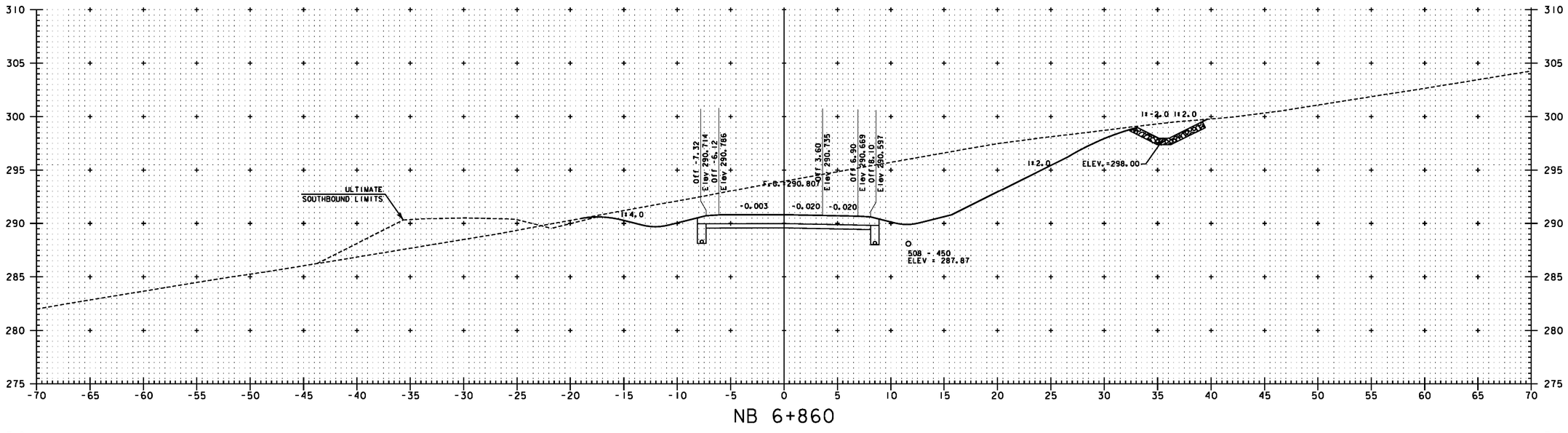
Stantec

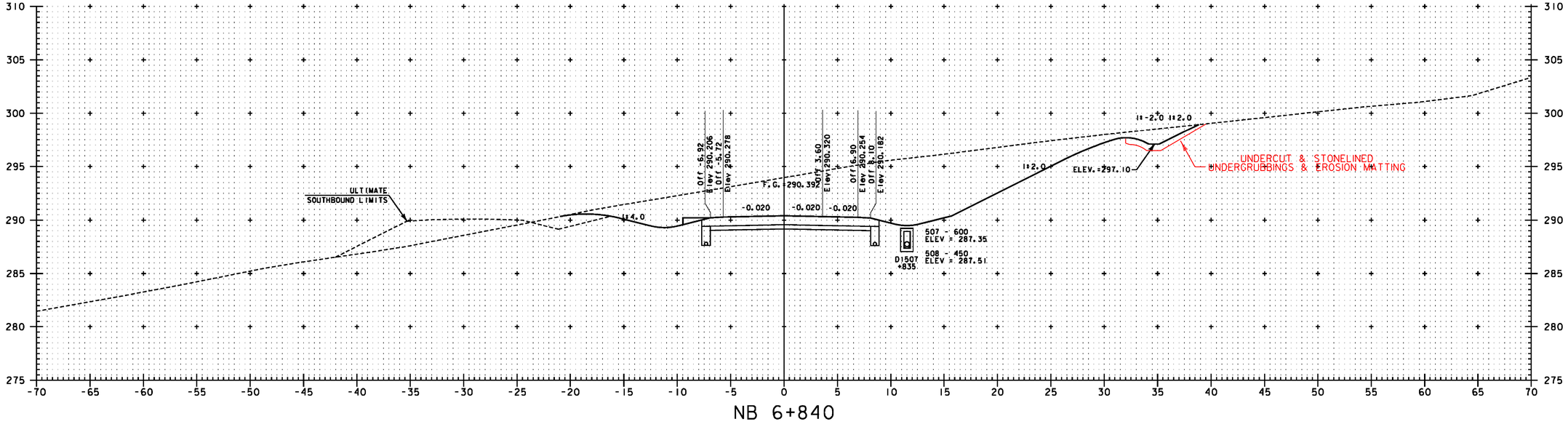
PROJECT NAME: BENNINGTON
PROJECT NUMBER: AC NH 019-1(52)

FILE NAME: ...\plot_files\zd307c2xs_nb.ptf
DESIGN SUPERVISOR: GREG EDWARDS
DESIGNED BY: MARC FOISY
NB MAINLINE CROSS SECTIONS NBX-11

PLOT DATE: 5/16/2011
DRAWN BY: STANTEC
CHECKED BY: GARY SANTY
SHEET 204 OF 267

V:\1853\active\185300021\transportation\drawing\contract_2\plot_files\zd307c2xs_nb.ptf





NOTE:
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10 METERS
5
H 1:200 SCALE
V 1:200 SCALE
@ FULL SIZE
5 10 METERS

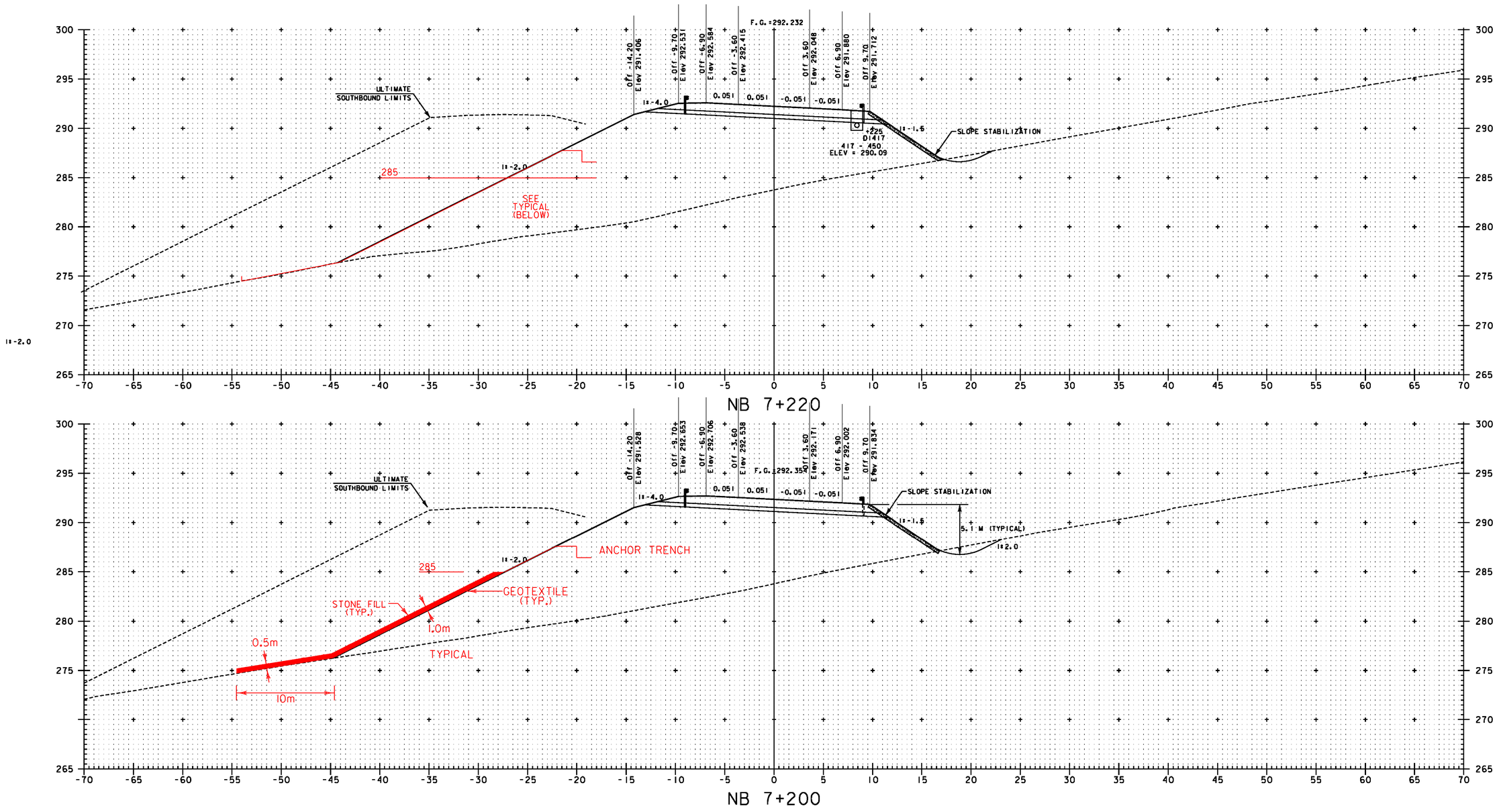
VERMONT AGENCY OF TRANSPORTATION

Stantec

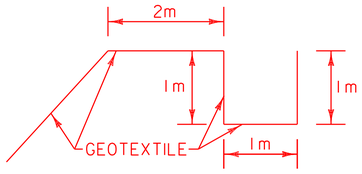
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PROJECT NUMBER: AC NH 019-1(52)

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-12
SHEET 205 OF 267

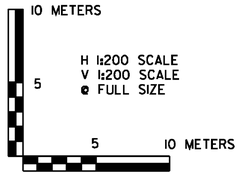
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NOTE:
ELEVATIONS SHOWN ARE FOR THE ULTIMATE FINISHED GRADE. THE TOP 50 PAVEMENT COURSE (TYPE IIIS) WILL NOT BE CONSTRUCTED AS PART OF THIS CONTRACT. THIS CONTRACT ONLY INCLUDES 100 OF TYPE IS AND 80 OF TYPE IIS SUPERPAVE BITUMINOUS CONCRETE PAVEMENT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



TYPICAL TRENCH
STA. NB 7+200 - 7+300



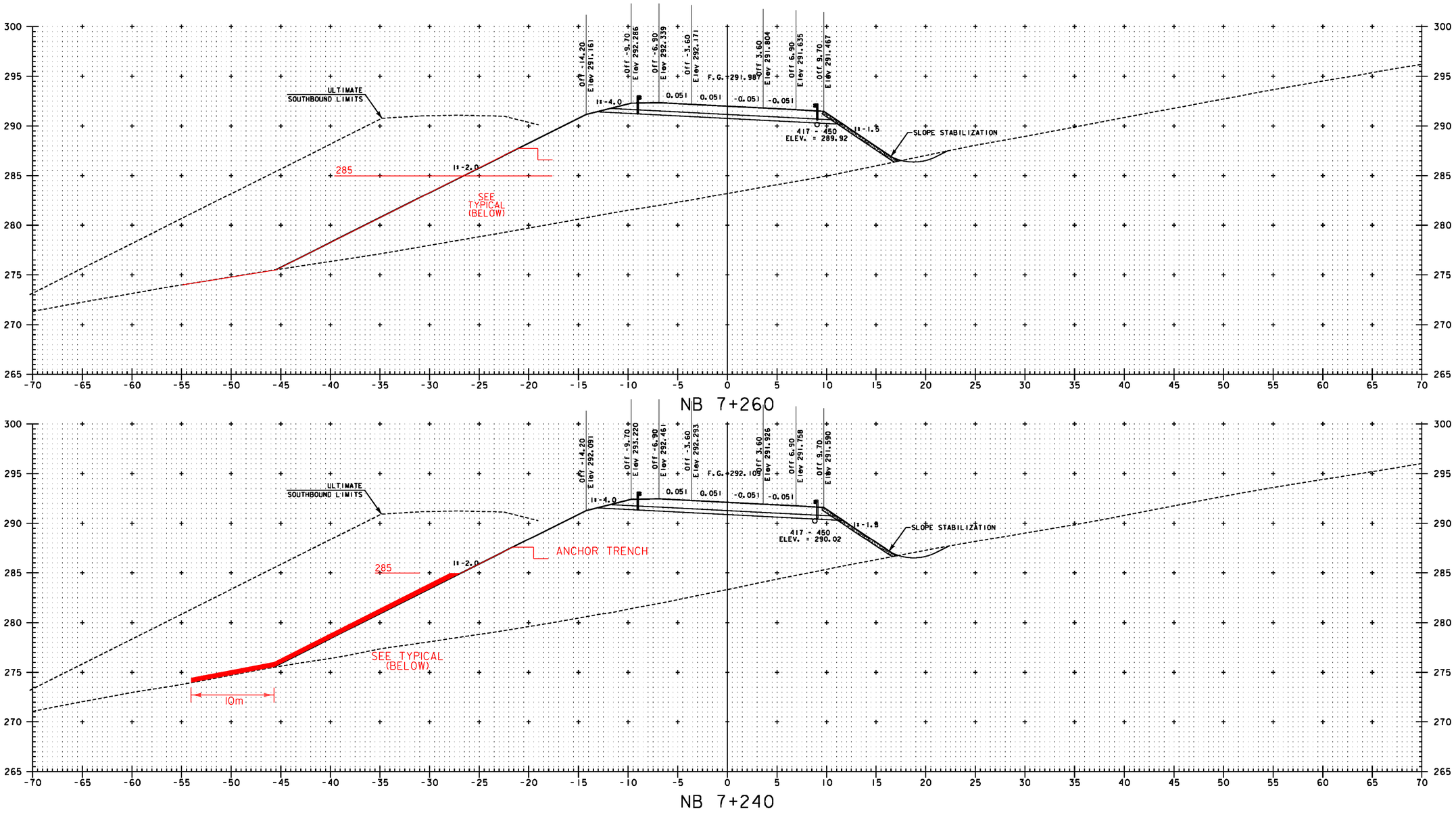
VERMONT AGENCY OF TRANSPORTATION

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

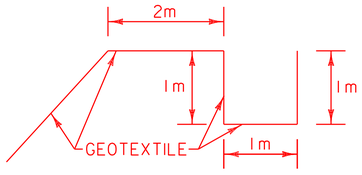
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PLOT DATE: 5/16/2011
DESIGN SUPERVISOR: GREG EDWARDS
DRAWN BY: STANTEC
DESIGNED BY: MARC FOISY
CHECKED BY: GARY SANTY
NB MAINLINE CROSS SECTIONS NBX-21
SHEET 214 OF 267

Stantec

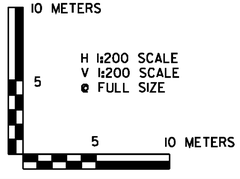
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NOTE:
ELEVATIONS SHOWN ARE FOR THE ULTIMATE FINISHED GRADE. THE TOP 50 PAVEMENT COURSE (TYPE IIIS) WILL NOT BE CONSTRUCTED AS PART OF THIS CONTRACT. THIS CONTRACT ONLY INCLUDES 100 OF TYPE IS AND 80 OF TYPE IIS SUPERPAVE BITUMINOUS CONCRETE PAVEMENT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



TYPICAL TRENCH
STA. NB 7+200 - 7+300



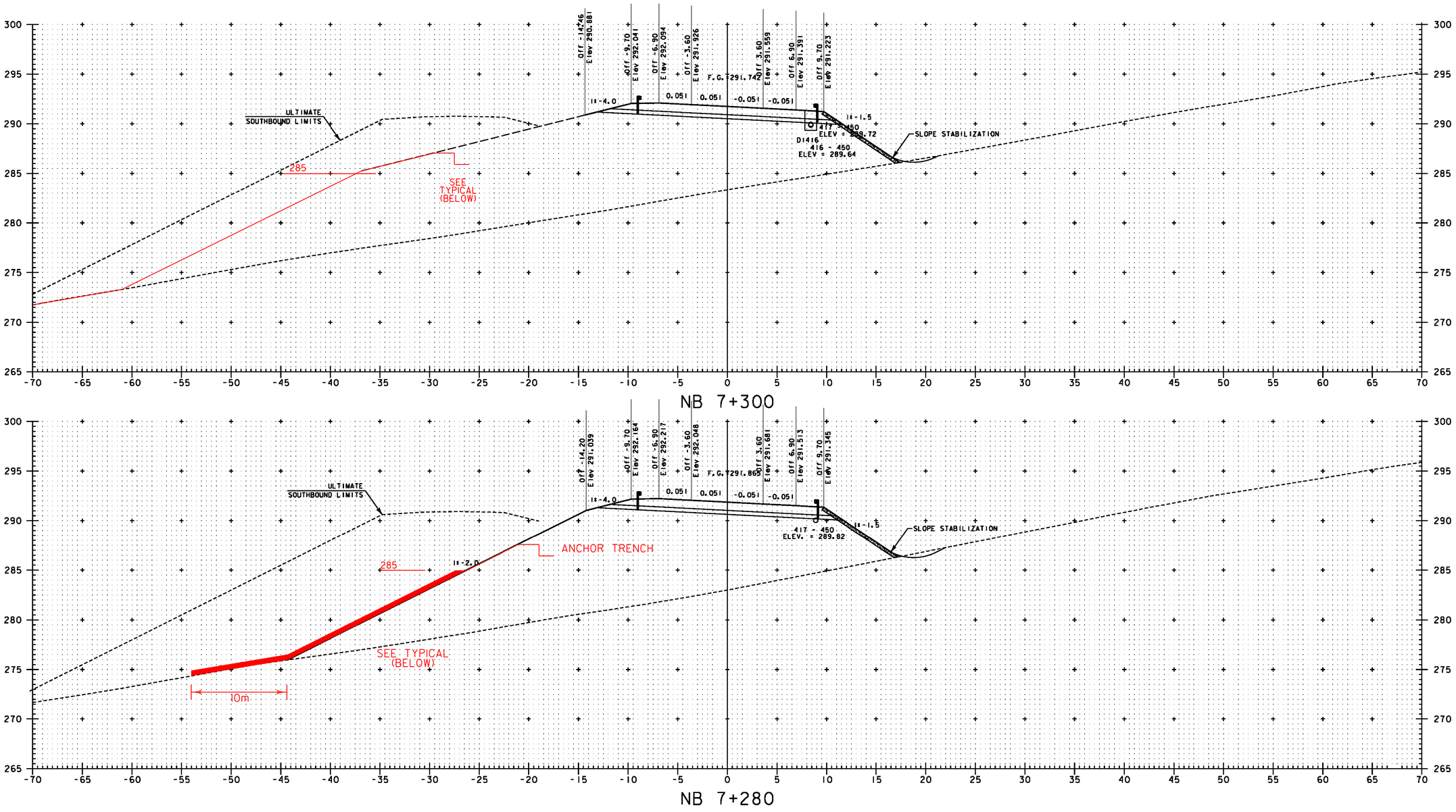
VERMONT AGENCY OF TRANSPORTATION

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

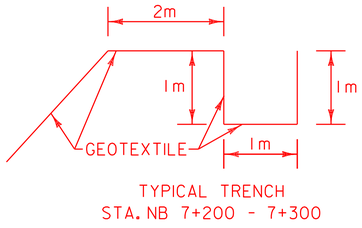
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PLOT DATE: 5/16/2011
DESIGN SUPERVISOR: GREG EDWARDS
DRAWN BY: STANTEC
DESIGNED BY: MARC FOISY
CHECKED BY: GARY SANTY
NB MAINLINE CROSS SECTIONS NBX-22
SHEET 215 OF 267

Stantec

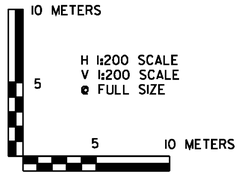
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NOTE:
ELEVATIONS SHOWN ARE FOR THE ULTIMATE FINISHED GRADE. THE TOP 50 PAVEMENT COURSE (TYPE IIIS) WILL NOT BE CONSTRUCTED AS PART OF THIS CONTRACT. THIS CONTRACT ONLY INCLUDES 100 OF TYPE IS AND 80 OF TYPE IIS SUPERPAVE BITUMINOUS CONCRETE PAVEMENT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



TYPICAL TRENCH
STA. NB 7+200 - 7+300



VERMONT AGENCY OF TRANSPORTATION

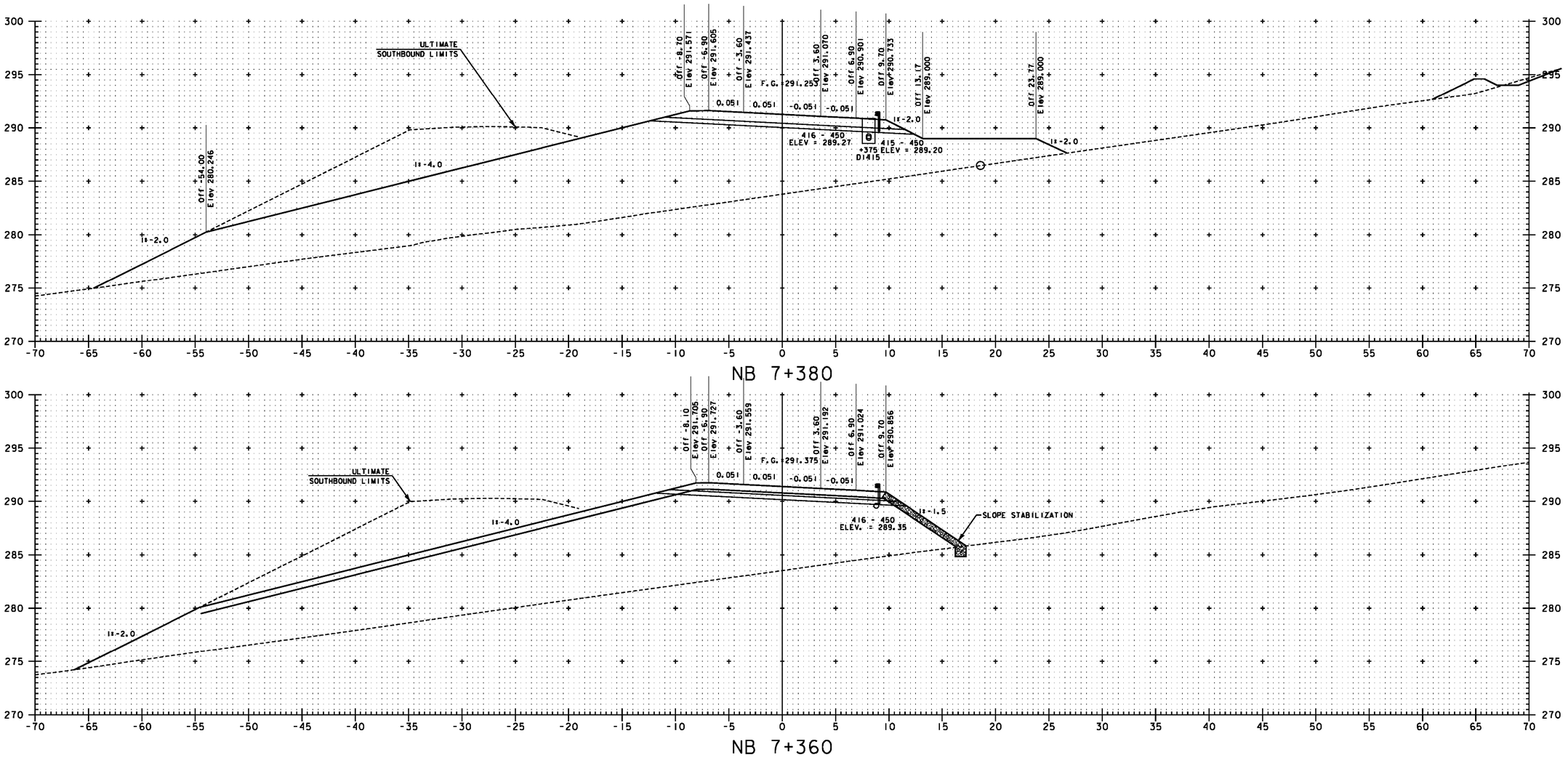
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PROJECT NAME: BENNINGTON
PROJECT NUMBER: AC NH 019-1(52)

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-23
SHEET 216 OF 267

M VAOT etric

H:\1853\active\185300002\transportation\drawing\contract_2\plot_files\zd307c2xs_nb.ptf



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.

10 METERS
H 1:200 SCALE
V 1:200 SCALE
@ FULL SIZE
5
5
10 METERS

VERMONT AGENCY OF TRANSPORTATION

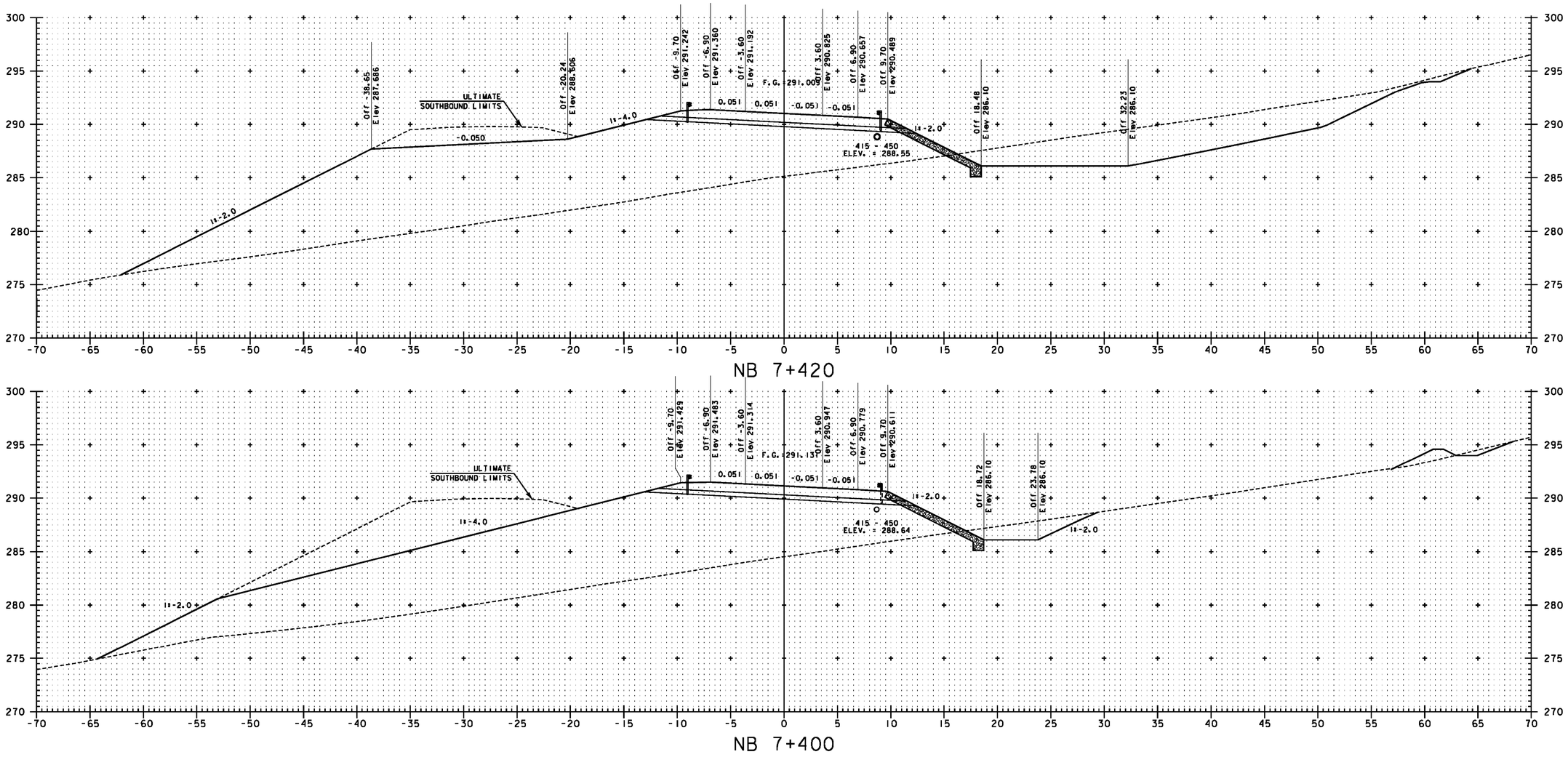
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PROJECT NAME: BENNINGTON
PROJECT NUMBER: AC NH 019-1(52)

FILE NAME: ...\plot_files\zd307c2xs_nb.ptf
DESIGN SUPERVISOR: GREG EDWARDS
DESIGNED BY: MARC FOISY
NB MAINLINE CROSS SECTIONS NBX-25

PLOT DATE: 5/16/2011
DRAWN BY: STANTEC
CHECKED BY: GARY SANTY
SHEET 218 OF 267

V:\1853\active\185300002\transportation\drawing\contract 2\plot_files\zd307c2xs_nb.ptf



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.

10 METERS
H 1:200 SCALE
V 1:200 SCALE
@ FULL SIZE
5
5 10 METERS

VERMONT AGENCY OF TRANSPORTATION

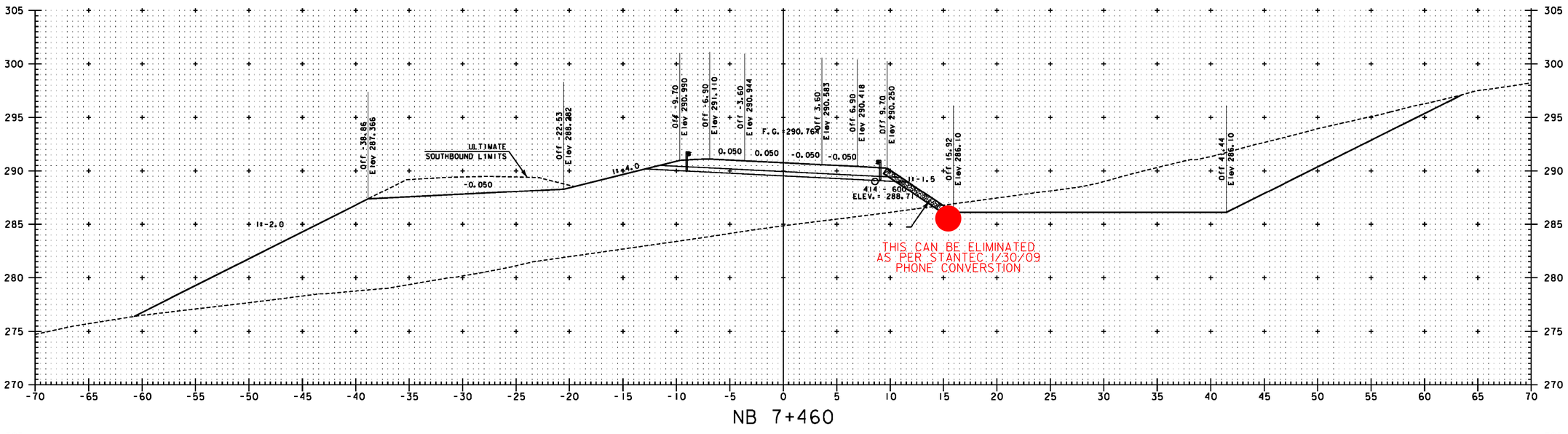
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PROJECT NAME: BENNINGTON
PROJECT NUMBER: AC NH 019-1(52)

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DESIGN SUPERVISOR: GREG EDWARDS
DESIGNED BY: MARC FOISY
NB MAINLINE CROSS SECTIONS NBX-26

PLOT DATE: 5/16/2011
DRAWN BY: STANTEC
CHECKED BY: GARY SANTY
SHEET 219 OF 267

x:\1853\active\185300021\transportation\drawing\contract_2\plot_files\zd307c2xs_nb.ptf



NOTE:
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10 METERS
5
H 1:200 SCALE
V 1:200 SCALE
@ FULL SIZE
5 10 METERS

VERMONT AGENCY OF TRANSPORTATION

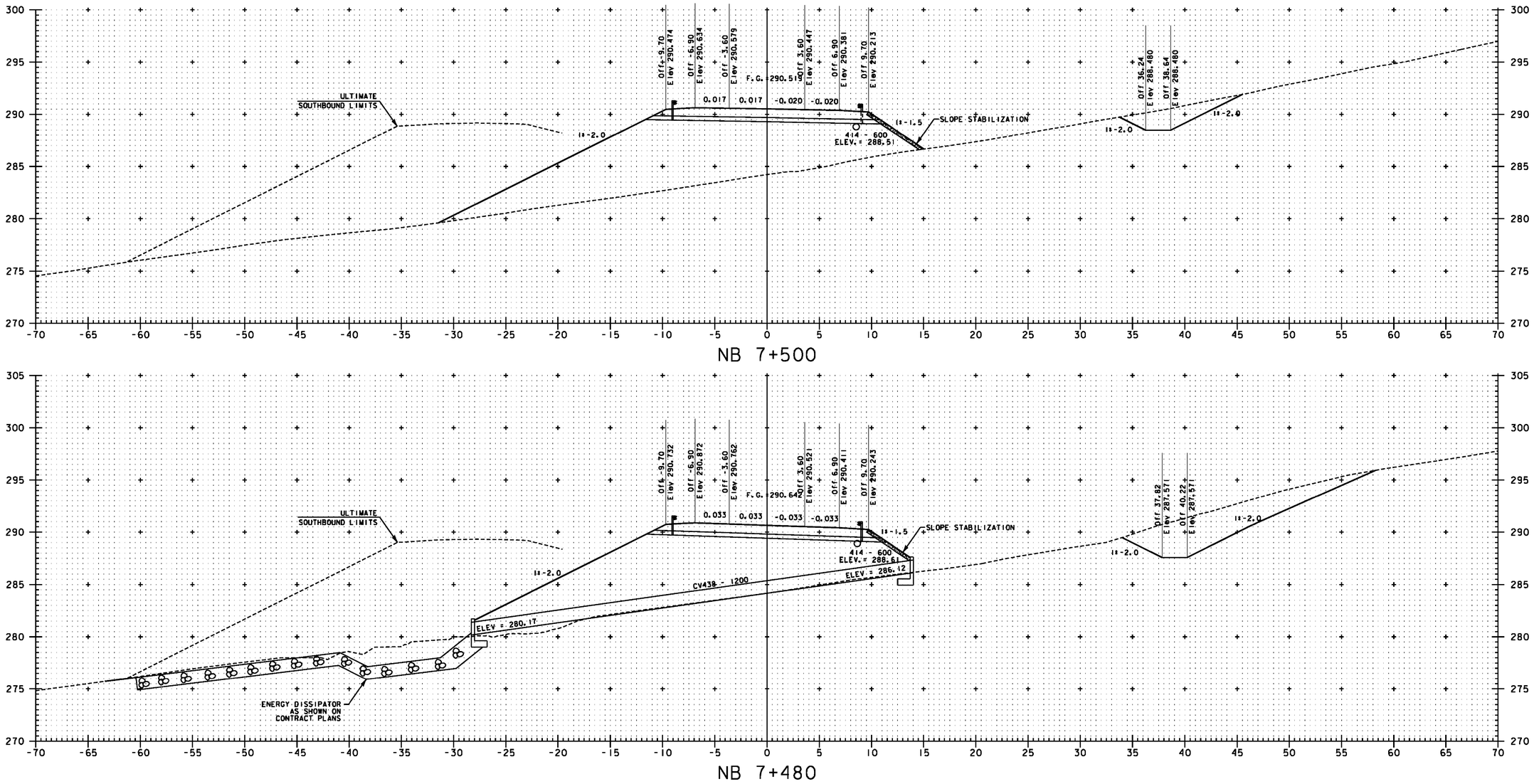
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PROJECT NAME: BENNINGTON
PROJECT NUMBER: AC NH 019-1(52)

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DESIGN SUPERVISOR: GREG EDWARDS
DESIGNED BY: MARC FOISY
NB MAINLINE CROSS SECTIONS NBX-27

PLOT DATE: 5/16/2011
DRAWN BY: STANTEC
CHECKED BY: GARY SANTY
SHEET 220 OF 267

v:\1853\active\185300002\transportation\drawing\contract_2\plot_files\zd307c2xs_nb.pdf



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10 METERS
5
H 1:200 SCALE
V 1:200 SCALE
@ FULL SIZE
5 10 METERS

VERMONT AGENCY OF TRANSPORTATION

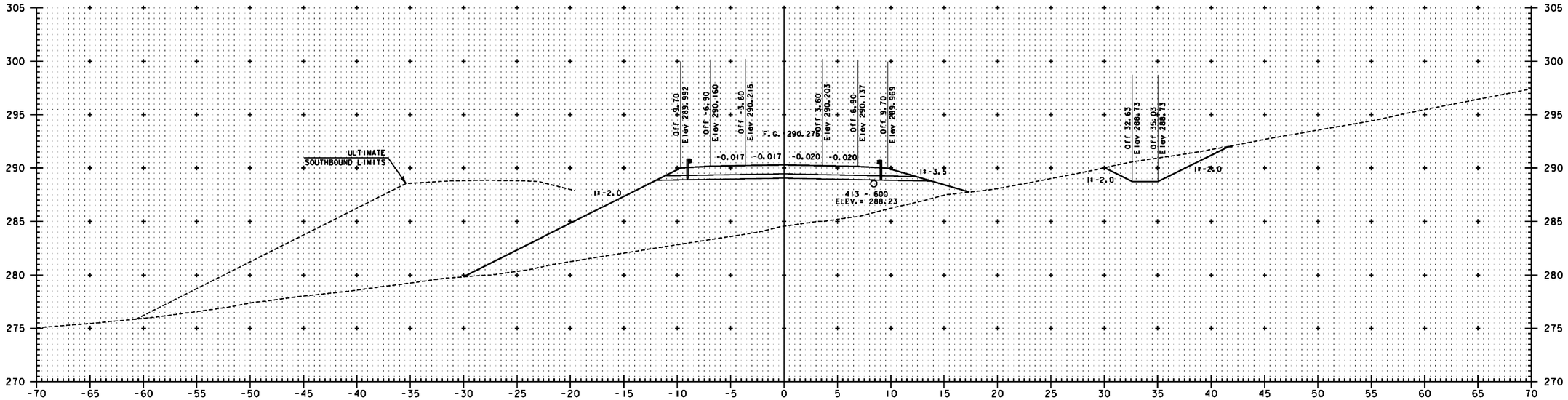
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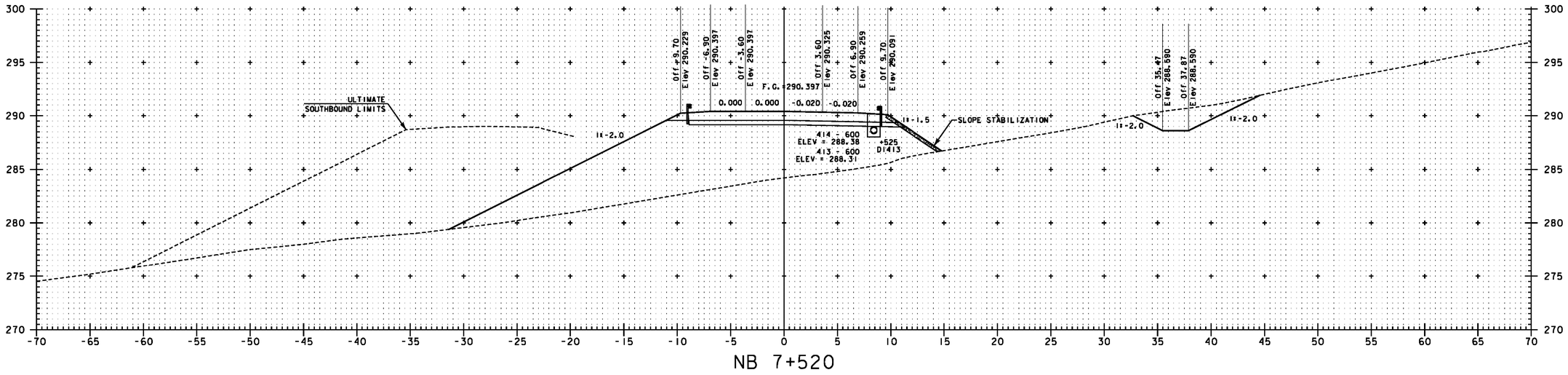
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PROJECT NUMBER: AC NH 019-1(52)

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DESIGN SUPERVISOR: GREG EDWARDS
DESIGNED BY: MARC FOISY
NB MAINLINE CROSS SECTIONS NBX-28

PLOT DATE: 5/16/2011
DRAWN BY: STANTEC
CHECKED BY: GARY SANTY
SHEET 221 OF 267

v:\1853\active\185300002\transportation\drawing\contract_2\plot_files\zd307c2xs_nb.ptf





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10 METERS
H 1:200 SCALE
V 1:200 SCALE
@ FULL SIZE
5
5
10 METERS

VERMONT AGENCY OF TRANSPORTATION

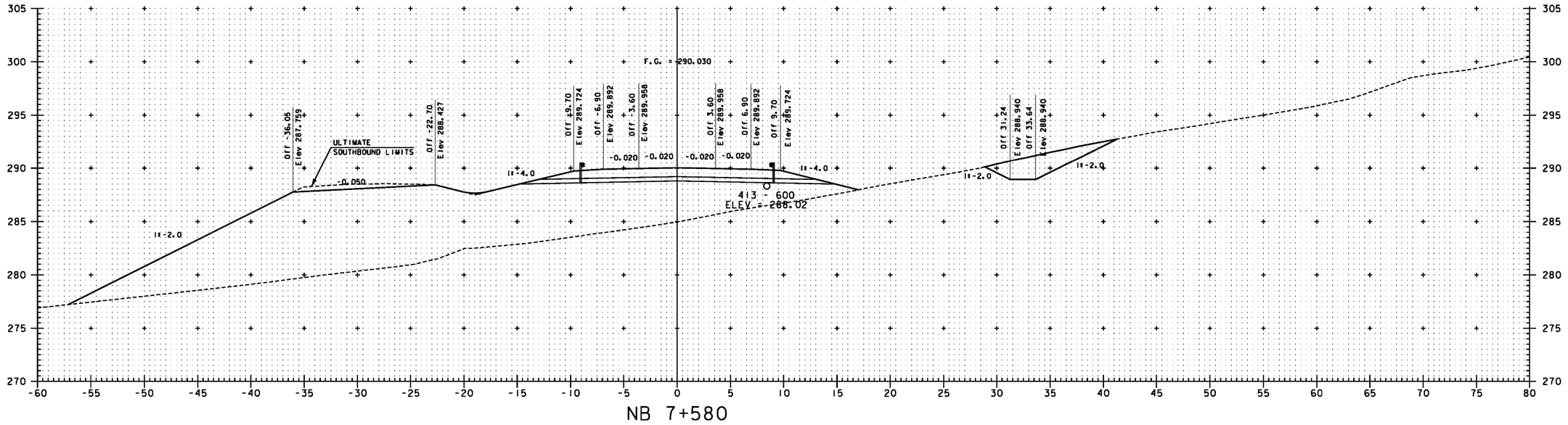
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PROJECT NAME: BENNINGTON
PROJECT NUMBER: AC NH 019-1(52)

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DESIGN SUPERVISOR: GREG EDWARDS
DESIGNED BY: MARC FOISY
NB MAINLINE CROSS SECTIONS NBX-29

PLOT DATE: 5/16/2011
DRAWN BY: STANTEC
CHECKED BY: GARY SANTY
SHEET 222 OF 267

x:\1853\active\185300021\transportation\drawing\contract 2\plot_files\zd307c2xs_nb.ptf



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10 METERS
5
H 1:200 SCALE
V 1:200 SCALE
@ FULL SIZE
5 10 METERS

VERMONT AGENCY OF TRANSPORTATION

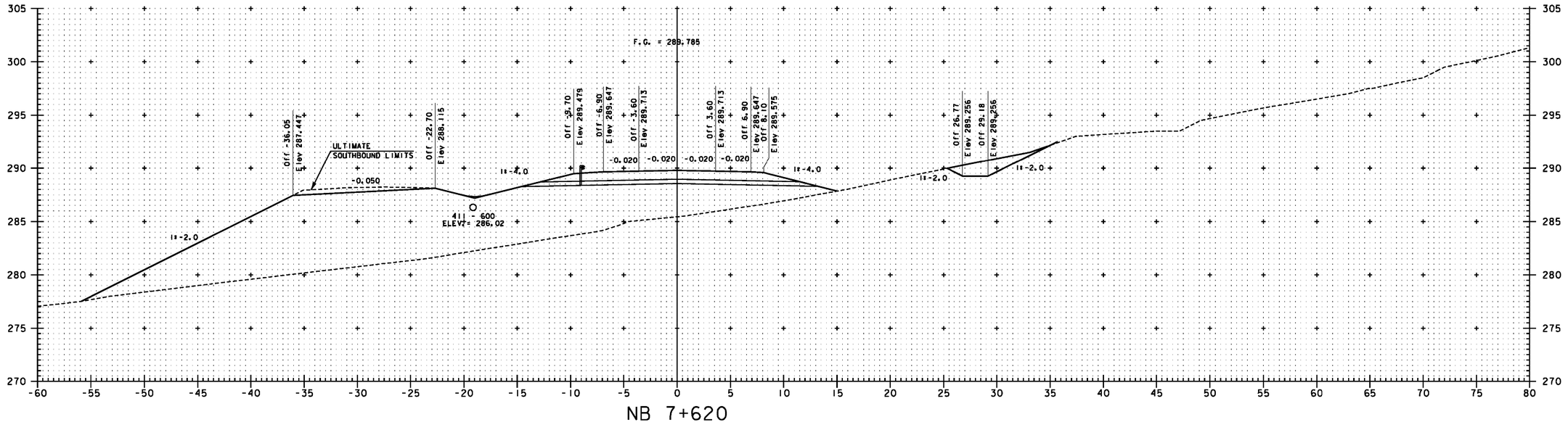
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PROJECT NAME: BENNINGTON
PROJECT NUMBER: AC NH 019-1(52)

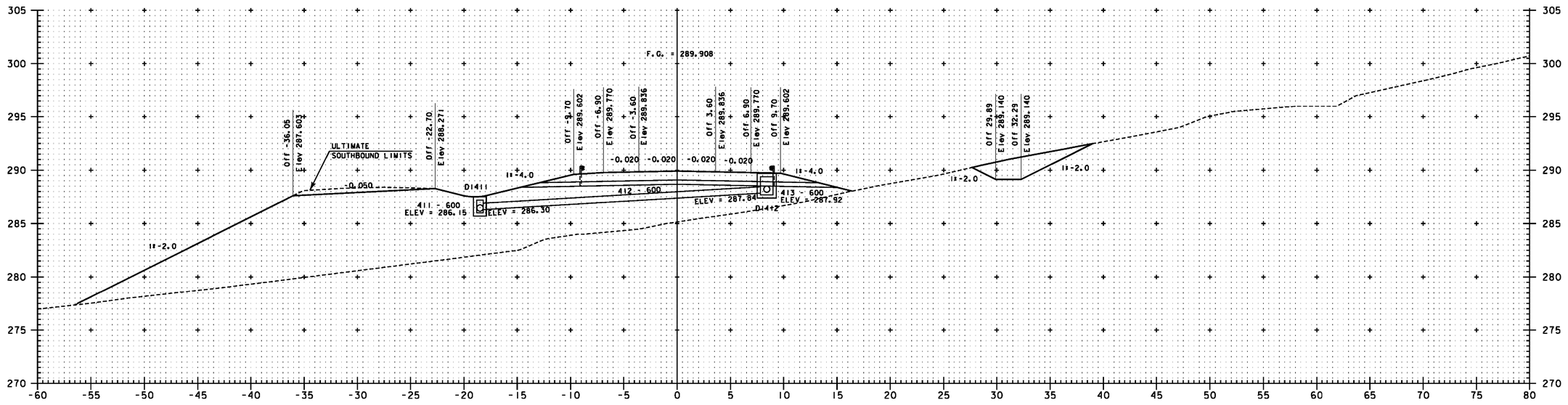
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DESIGNED BY: MARC FOISY
NB MAINLINE CROSS SECTIONS NBX-30

PLOT DATE: 5/16/2011
DRAWN BY: STANTEC
CHECKED BY: GARY SANTY
SHEET 223 OF 267

x:\1853\active\185300021\transportation\drawing\contract 2\plot_files\zd307c2xs_nb.ptf



NB 7+620



NB 7+600

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10 METERS
5
H 1:200 SCALE
V 1:200 SCALE
@ FULL SIZE
5 10 METERS

VERMONT AGENCY OF TRANSPORTATION

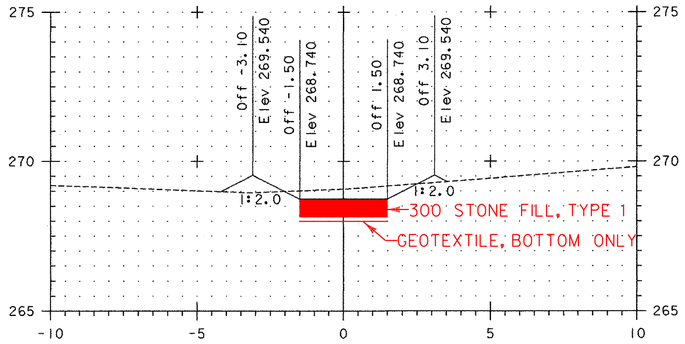
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PROJECT NAME: BENNINGTON
PROJECT NUMBER: AC NH 019-1(52)

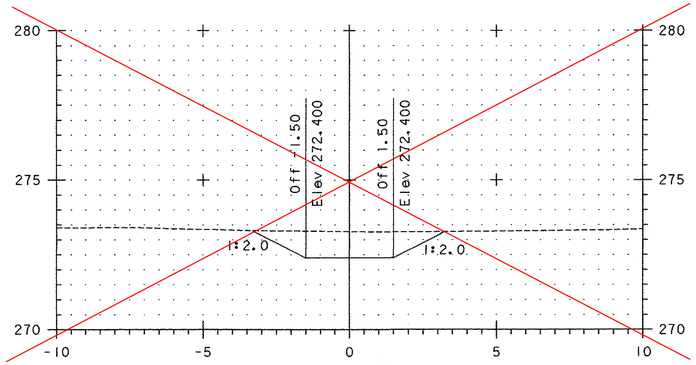
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DESIGNED BY: MARC FOISY
NB MAINLINE CROSS SECTIONS NBX-31

PLOT DATE: 5/16/2011
DRAWN BY: STANTEC
CHECKED BY: GARY SANTY
SHEET 224 OF 267

V:\1853\active\185300021\transportation\drawing\contract 2\plot_files\zd307c2xs_nb.ptf

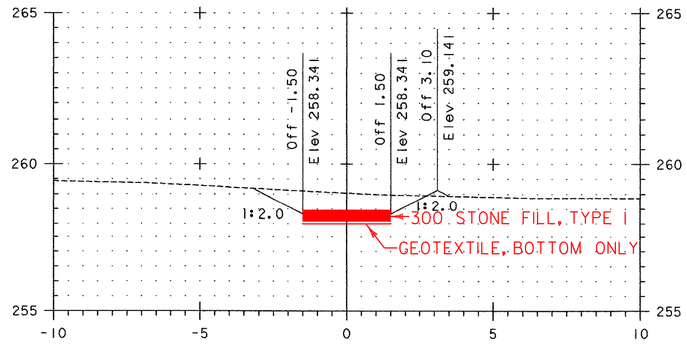


SW 10+~~020~~ 030

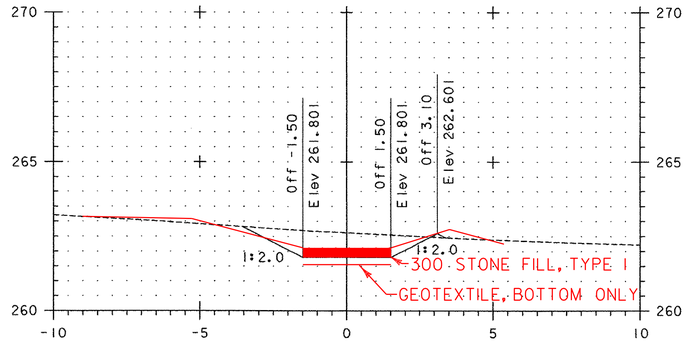


SW 10+000

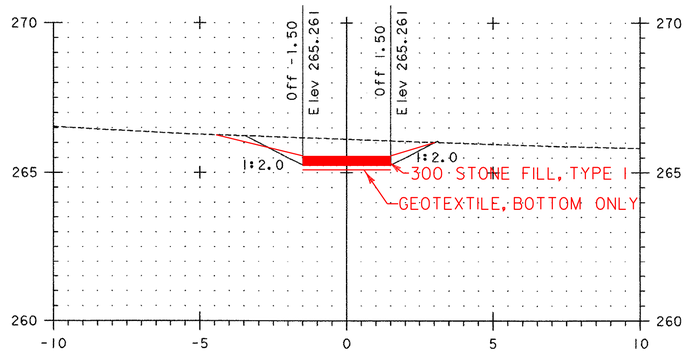
SW 1+000 TO SW 1+030
IS NOT SWALE
IT IS STONE OUTLET
PROTECTION FOR CV439



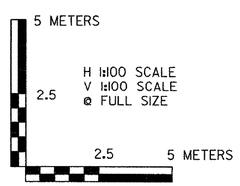
SW 10+080



SW 10+060



SW 10+040



VERMONT AGENCY OF TRANSPORTATION

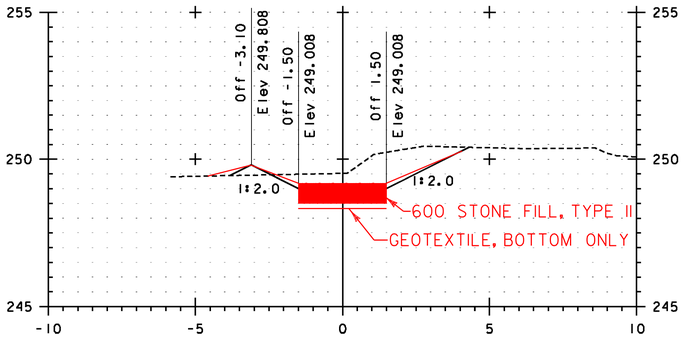
Stantec

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

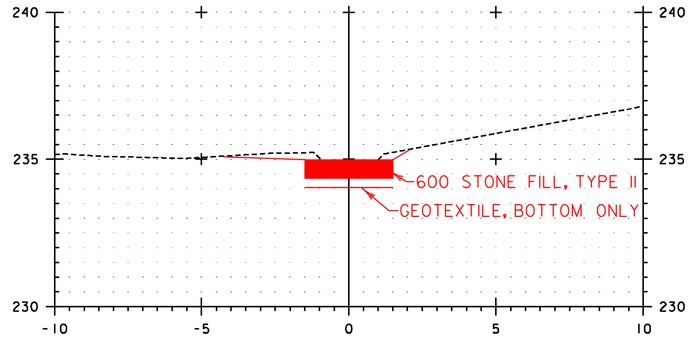
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DESIGN SUPERVISOR: GREG EDWARDS
DESIGNED BY: MARC FOISY
PROUTY SWALE CROSS SECTIONS PSX-1

PLOT DATE: 12/20/2007
DRAWN BY: STANTEC
CHECKED BY: GARY SANTY
SHEET 266 OF 267

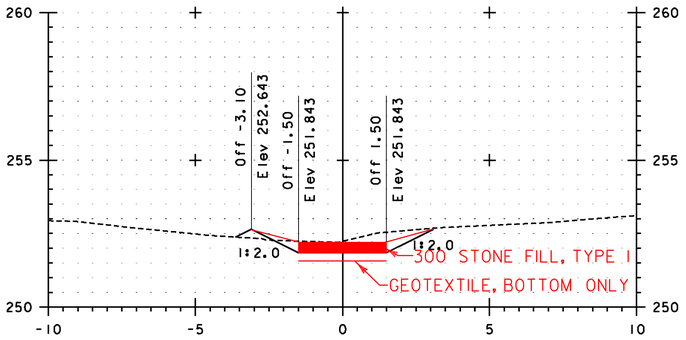
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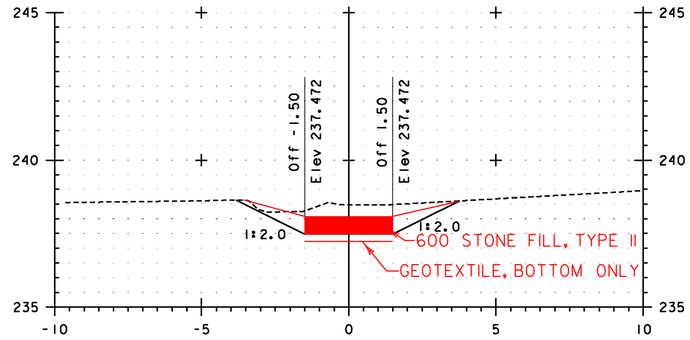
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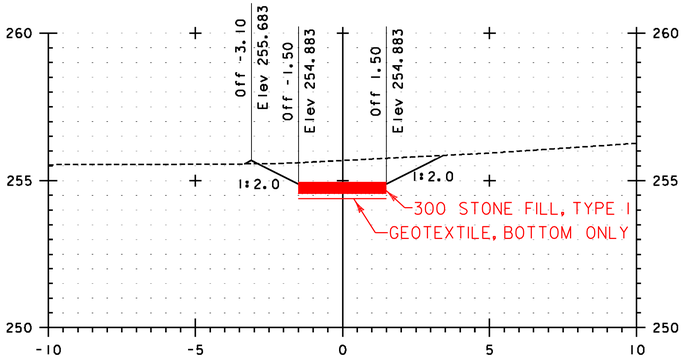
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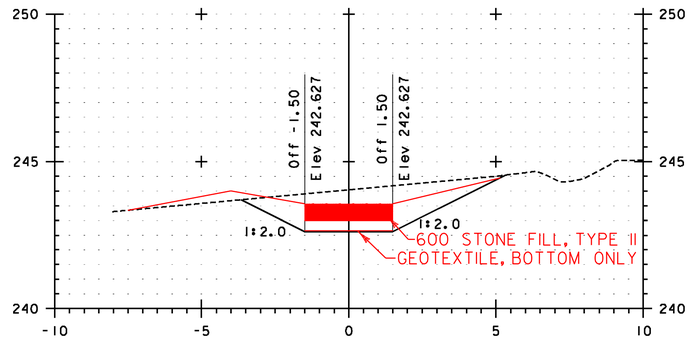
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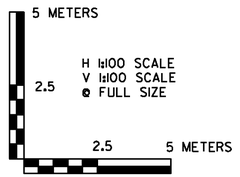
SW 10+180



SW 10+100



SW 10+160



VERMONT AGENCY OF TRANSPORTATION

Stantec

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

FILE NAME: ...\zd307c2xs_prouty.ptf
DESIGN SUPERVISOR: GREG EDWARDS
DESIGNED BY: MARC FOISY
PROUTY SWALE CROSS SECTIONS PSX-2

PLOT DATE: 5/18/2011
DRAWN BY: STANTEC
CHECKED BY: GARY SANTY
SHEET 267 OF 267

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