

STATE OF VERMONT AGENCY OF TRANSPORTATION



PROPOSED IMPROVEMENT TOWN OF NEWBURY COUNTY OF ORANGE CROSS VERMONT TRAIL

STP EH 00(1)

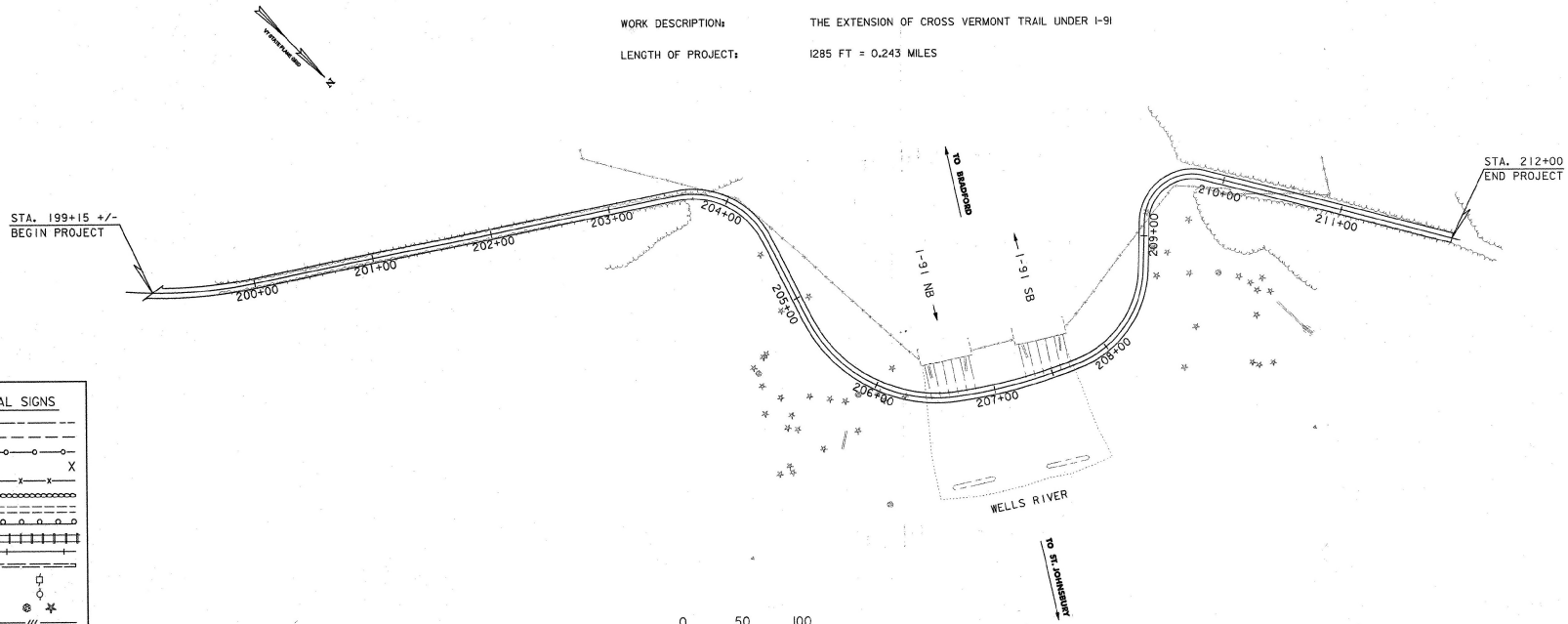
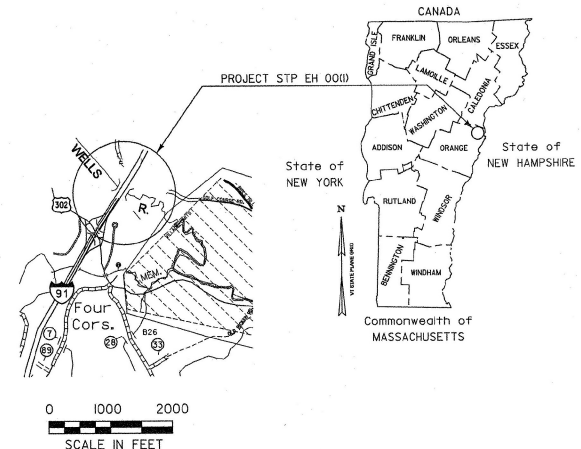
LOCATION: CROSS VERMONT TRAIL UNDER I-91
 WORK DESCRIPTION: THE EXTENSION OF CROSS VERMONT TRAIL UNDER I-91
 LENGTH OF PROJECT: 1285 FT = 0.243 MILES

INDEX OF SHEETS

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| D-3 TREATED GUTTERS | APPROVED 6/1/94 |
| E-160 FLANGED CHANNEL STEEL SIGN POST | APPROVED 5/20/99 |
| F-2 CHAIN LINK FENCE, TYPE 1 | APPROVED 6/13/97 |
| J-5 BRACING FOR TREES | APPROVED 12/19/72 |
| T-1 TEMPORARY EROSION CONTROL DETAILS | APPROVED 6/1/94 |
| T-2 TEMPORARY EROSION CONTROL DETAILS | APPROVED 6/1/94 |

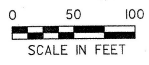


CONVENTIONAL SIGNS

COUNTY LINE	---
TOWN LINE	----
LIMITS OF ACCESS	○—○
POINT OF ACCESS	X
FENCE LINE	—X—X—
STONE WALL	○○○○○○○○○○
TRAVELED WAY	—+—+—+—
GUARD RAIL	—○—○—○—
RAILROAD	—+—+—+—
SURVEY LINE	—+—+—+—
CULVERT	—+—+—+—
POWER POLE	○
TELEPHONE POLE	○
TREES	* * *
CONTROL OF ACCESS	///
PROPERTY LINE	----
R.O.W. TAKING LINE	—SR—
SLOPE RIGHTS	○—△
TOP OF CUT	△
TOE OF SLOPE	○

DATUM

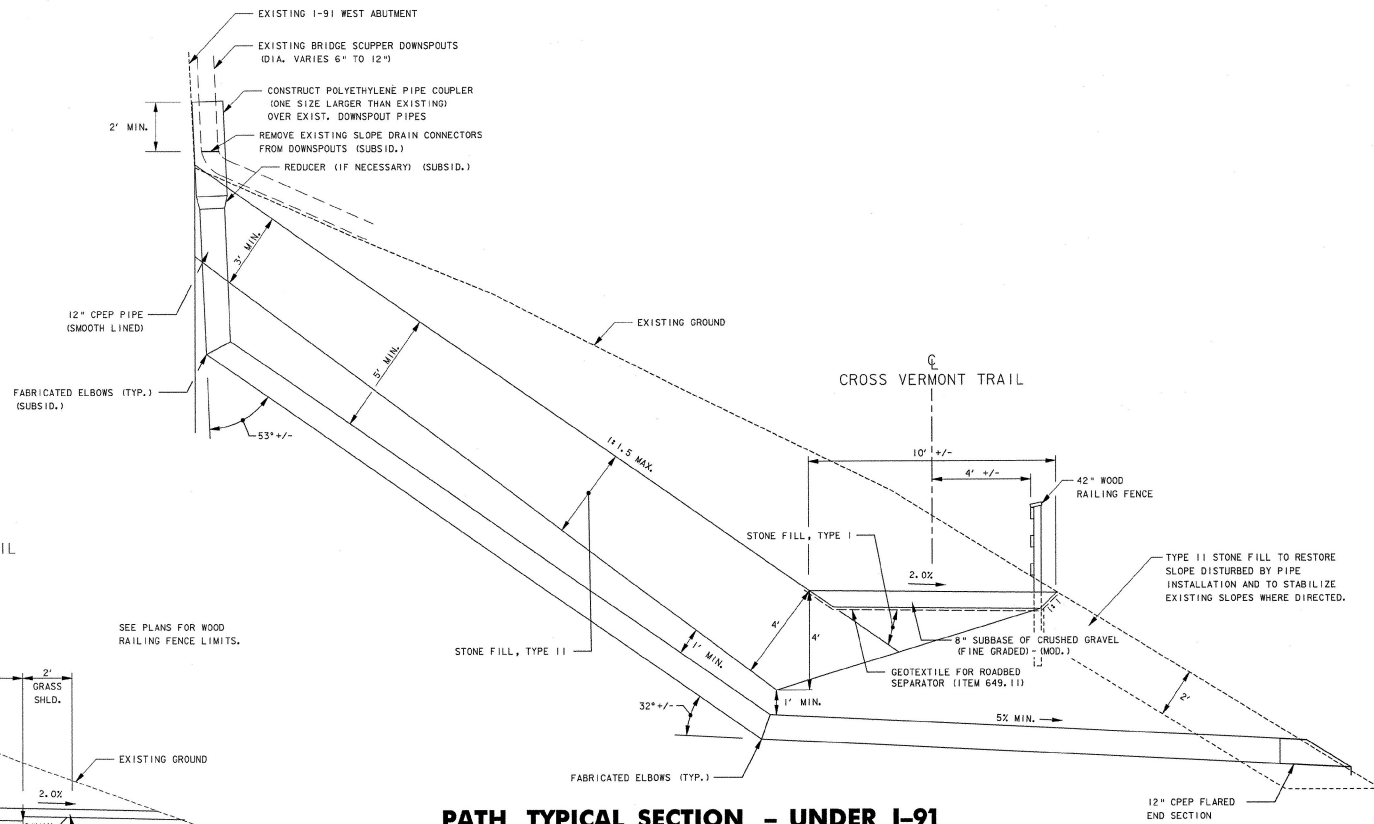
VERTICAL	NAVD 88
HORIZONTAL	NAD 83



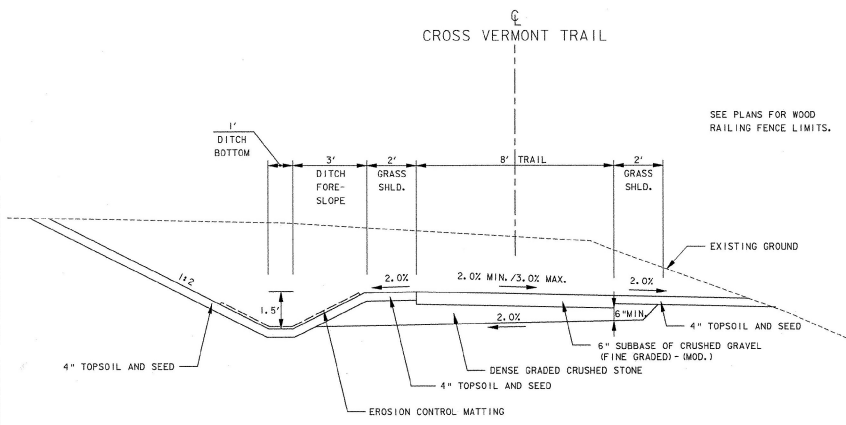
**CONTRACT PLANS
JUNE, 2002**

APPROVED	DATE
CROSS VERMONT TRAIL ASSOC., INC.	
DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION	
APPROVED	DATE
MANAGER	DIVISION ADMINISTRATOR
PROJECT	NEWBURY STP EH 00(1)
SHEET 1 OF 15 SHEETS	

VHB Vanasse Hangen Brustlin, Inc.



PATH TYPICAL SECTION - UNDER I-91
 N.T.S.
 STA. 205+80 - 208+05



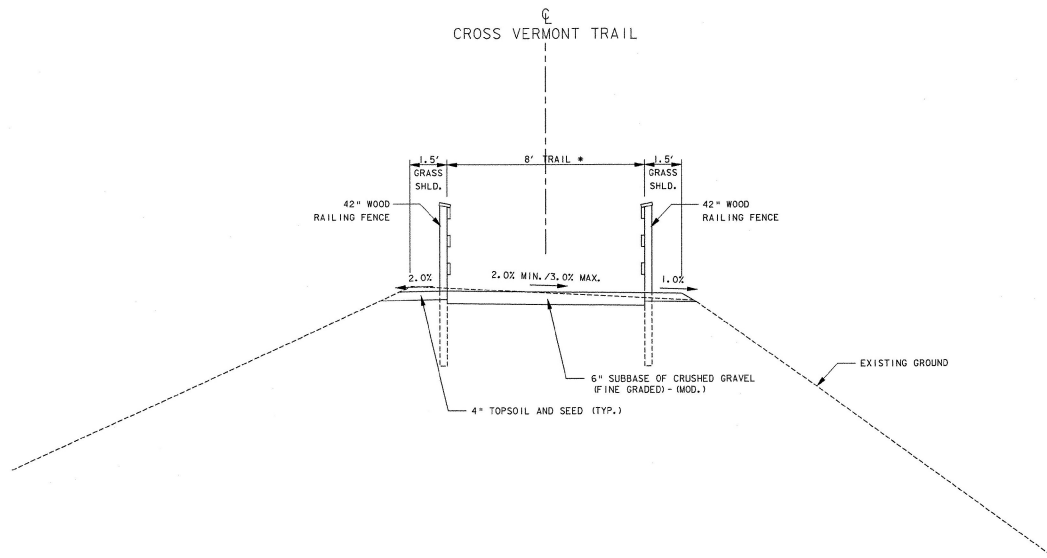
PATH TYPICAL SECTION - CUT SECTION
 N.T.S.
 STA. 203+75 - 205+80
 STA. 208+05 - 209+75

DATUM	_____
VERTICAL	_____
HORIZONTAL	_____

TYPICAL SECTIONS

PROJECT:	CROSS VERMONT TRAIL	PROJECT NO.:	STP EH 00(1)
DESIGN FILE NAME:	nh-bed\projects\51155\cod\te\51155typ.dgn	PLOT DATE:	05/28/2002
IPARM FILE NAME:			

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PATH TYPICAL SECTION - RAILROAD EMBANKMENT AREAS

N.T.S.
STA. 199+15 - 203+75
STA. 209+75 - 211+95

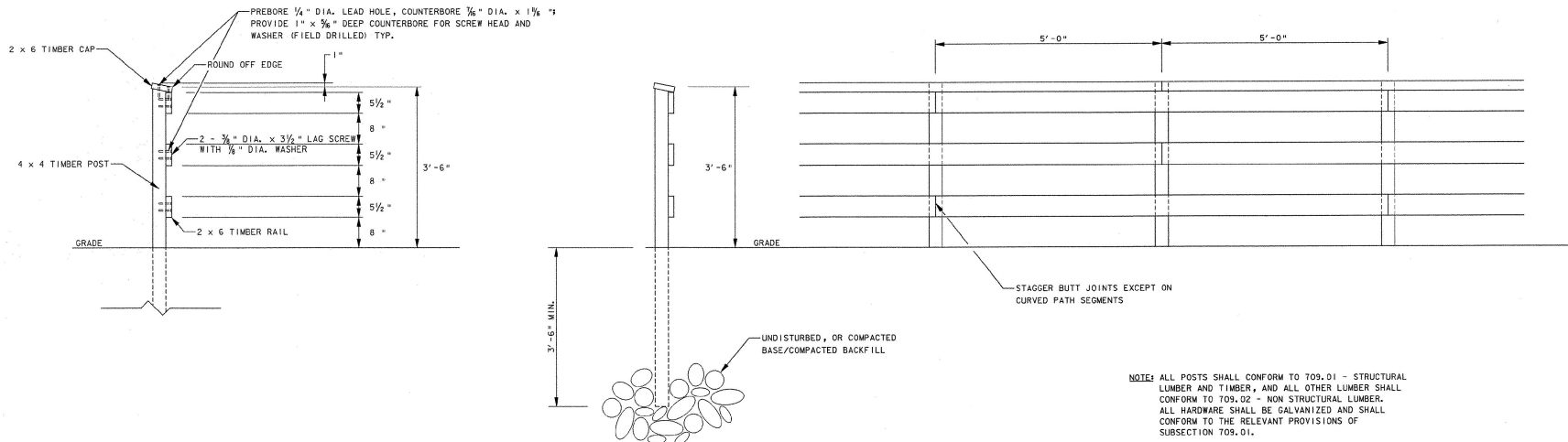
* WIDTH MAY VARY DOWN TO 6' MIN.
 TO AVOID SLOPE IMPACTS AS DIRECTED.

TYPICAL SECTIONS

DATUM
 VERTICAL _____
 HORIZONTAL _____

PROJECT:	CROSS VERMONT TRAIL	PROJECT NO.:	STP EH 00(1)
DESIGN FILE NAME:	nh-bed\projects\51155\cad\te\51155typ.dgn	PLOT DATE:	06/28/2002
IPARM FILE NAME:			

VHB Vanasse Hangen Brustlin, Inc.



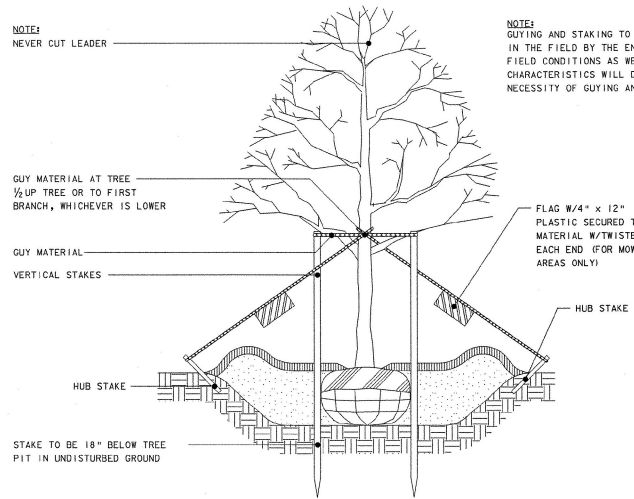
NOTE: ALL POSTS SHALL CONFORM TO T09.01 - STRUCTURAL LUMBER AND TIMBER, AND ALL OTHER LUMBER SHALL CONFORM TO T09.02 - NON STRUCTURAL LUMBER. ALL HARDWARE SHALL BE GALVANIZED AND SHALL CONFORM TO THE RELEVANT PROVISIONS OF SUBSECTION T09.01.

TYPICAL 42" WOOD RAIL FENCE (PAY ITEM 620.80 - MISCELLANEOUS FENCE)

N.T.S.

NOTE:
NEVER CUT LEADER

NOTE:
GUTTING AND STAKING TO BE DETERMINED IN THE FIELD BY THE ENGINEER. LOCAL FIELD CONDITIONS AS WELL AS PLANT CHARACTERISTICS WILL DETERMINE THE NECESSITY OF GUTTING AND STAKING



DECIDUOUS TREE PLANTING

N.T.S.

**SEEDING FORMULA
RURAL AREAS**

% WT.	LBS./A.	NAME	PUR %	GERM %
37.5	22.5	CREEPING RED FESCUE	98	85
37.5	22.5	TALL FESCUE	95	90
5.0	3.0	RED TOP	95	90
15.0	9.0	BIRD'SFOOT TREFOL	98	85
5.0	3.0	ANNUAL RYEGRASS	95	85
100.0	60.0			

GENERAL NOTES

SEED MIXTURE: SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS SEED.

SEED: TO BE APPLIED PER SEEDING FORMULAS OR AS DIRECTED BY THE ENGINEER.

FERTILIZER: FORMULA 10-20-10, TO BE USED WITH SEED, APPLIED AT THE RATE OF 500 LBS./ACRE. (HYDRO SEEDERS MAY USE 19-19-19 FORMULA).

AGRICULTURAL LIMESTONE: TO BE APPLIED AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE ENGINEER.

HAY MULCH: TO BE PLACED ON EARTH SLOPES AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE ENGINEER.

TOPSOIL: TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.

MARKER POSTS: TO BE PLACED AS INDICATED OR AS DIRECTED BY THE ENGINEER.

SLOPE ROUNDING: ALL CUT SLOPES TO BE ROUNDED IN ACCORDANCE WITH STANDARD SHEET B - 5.

PAY LIMITS OF SAND BORROW: WHEN USED IN CONJUNCTION WITH UNDERDRAIN - SEE STANDARD SHEET D - 2.

TACK COAT: EMULSIFIED ASPHALT IS TO BE APPLIED AT THE RATE OF 0.015 GAL/SY BETWEEN SUCCESSIVE COURSES OF PAVEMENT AS DIRECTED BY THE ENGINEER.

DETAILS

DATUM
VERTICAL _____
HORIZONTAL _____

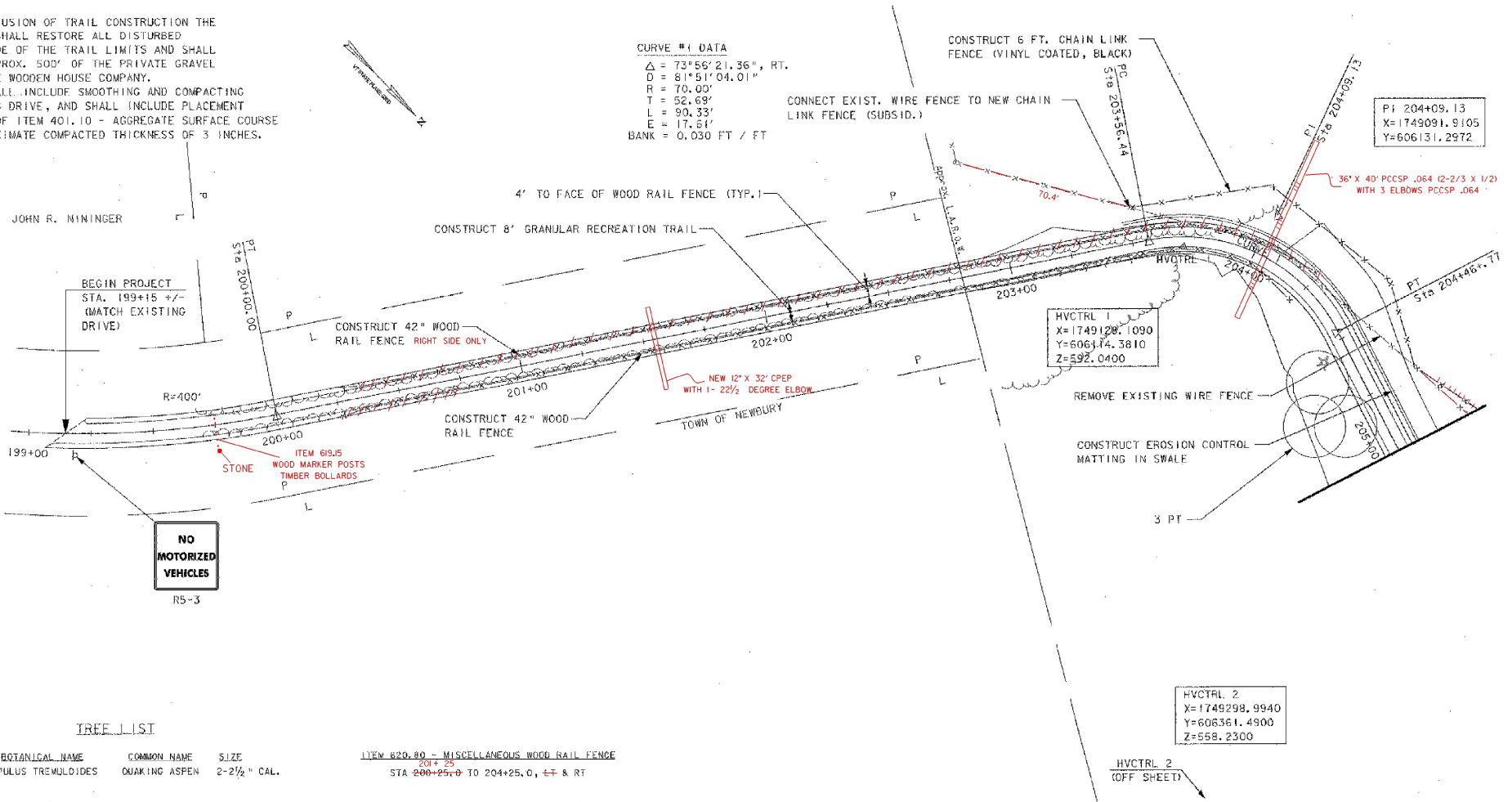
PROJECT: CROSS VERMONT TRAIL	PROJECT NO.: STP EH 00(1)
DESIGN FILE NAME: r:\bed\project\51155\cad\te\51155typ.dgn	PLOT DATE: 06/28/2002

VHB Vanasse Hangen Brustlin, Inc.

AT THE CONCLUSION OF TRAIL CONSTRUCTION THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS OUTSIDE OF THE TRAIL LIMITS AND SHALL RE-GRADE APPROX. 500Y OF THE PRIVATE GRAVEL DRIVE TO THE WOODEN HOUSE COMPANY. THE WORK SHALL INCLUDE SMOOTHING AND COMPACTING THE EXISTING DRIVE, AND SHALL INCLUDE PLACEMENT OF 80 C.Y. OF ITEM 401.10 - AGGREGATE SURFACE COURSE TO AN APPROXIMATE COMPACTED THICKNESS OF 3 INCHES.

CURVE #1 DATA
 $\Delta = 73^{\circ}56'21.36"$, RT.
 $D = 81^{\circ}51'04.01"$
 $R = 70.00'$
 $T = 52.69'$
 $L = 90.33'$
 $E = 17.51'$
 BANK = 0.030 FT / FT

N/F JOHN R. MININGER



TREE LIST

KEY QTY	BOTANICAL NAME	COMMON NAME	SIZE
PT 15	POPULUS TREMULOIDES	QUAKING ASPEN	2-2 1/2" CAL.

ITEM 620.80 - MISCELLANEOUS WOOD RAIL FENCE
 STA 200+25+0 TO 204+25.0, LF & RT

ITEM 620.12 - CHAIN LINK FENCE, 6' HIGH
 STA 203+51.6, LT 14.3' TO
 STA 203+56.3, LT 27.2' TO
 STA 204+40.8, LT 28.2' TO
 STA 204+73.0, LT 21+ 205 + 0 LT 2U'
 STA 202 + 90, LT 45' TO 203 + 51.6 LT 14.3'

DATUM	NAVD 88
VERTICAL	NAVD 88
HORIZONTAL	NAD 83

SCALE IN FEET

GENERAL PLAN

PROJECT:	CROSS VERMONT TRAIL	PROJECT NO.:	STP EH 00(1)
DESIGN FILE NAME:	ah-bed\projects\51155\cad\ta\51155genl.dgn	PLOT DATE:	06/28/2002
PARM FILE NAME:			

VHB Vanasse Hangen Brustlin, Inc.

ITEM 620.12 - CHAIN LINK FENCE, 6' HIGH

STA 205+26.0, LT TO
 STA 206+79.5, LT 56.7 TO
 STA 206+00.8, LT 40.5 TO
 STA 206+31.5, LT 30.7
 STA 206+86.8, LT 41.0 TO STA 207+27.0, LT 40.3
 STA 207+75.4, LT 12.8 TO
 STA 207+98.1, LT 37.0 TO
 STA 208+29.8, LT 55.3 TO
 STA 208+45.3, LT 21.4 TO
 STA 209+64.9, LT 15.2 TO
 STA 209+76.5, LT 4.9 TO
 STA 210+88.2, LT 9.4 TO
 STA 210+88.0, LT 9.4 TO

ITEM 620.80 - MISCELLANEOUS WOOD RAIL FENCE

STA 205+60.0 TO 208+25.0, RT
 STA 209+55.0 TO 211+95.0, RT
 STA 210+88.2 TO 211+95.0, LT

CURVE 5 DATA

$\Delta = 102^{\circ}33'34.91"$, RT.
 $D = 143^{\circ}14'22.02"$
 $R = 40.00'$
 $T = 49.83'$
 $L = 71.60'$
 $E = 23.95'$
 $BANK = 0.030$ FT / FT

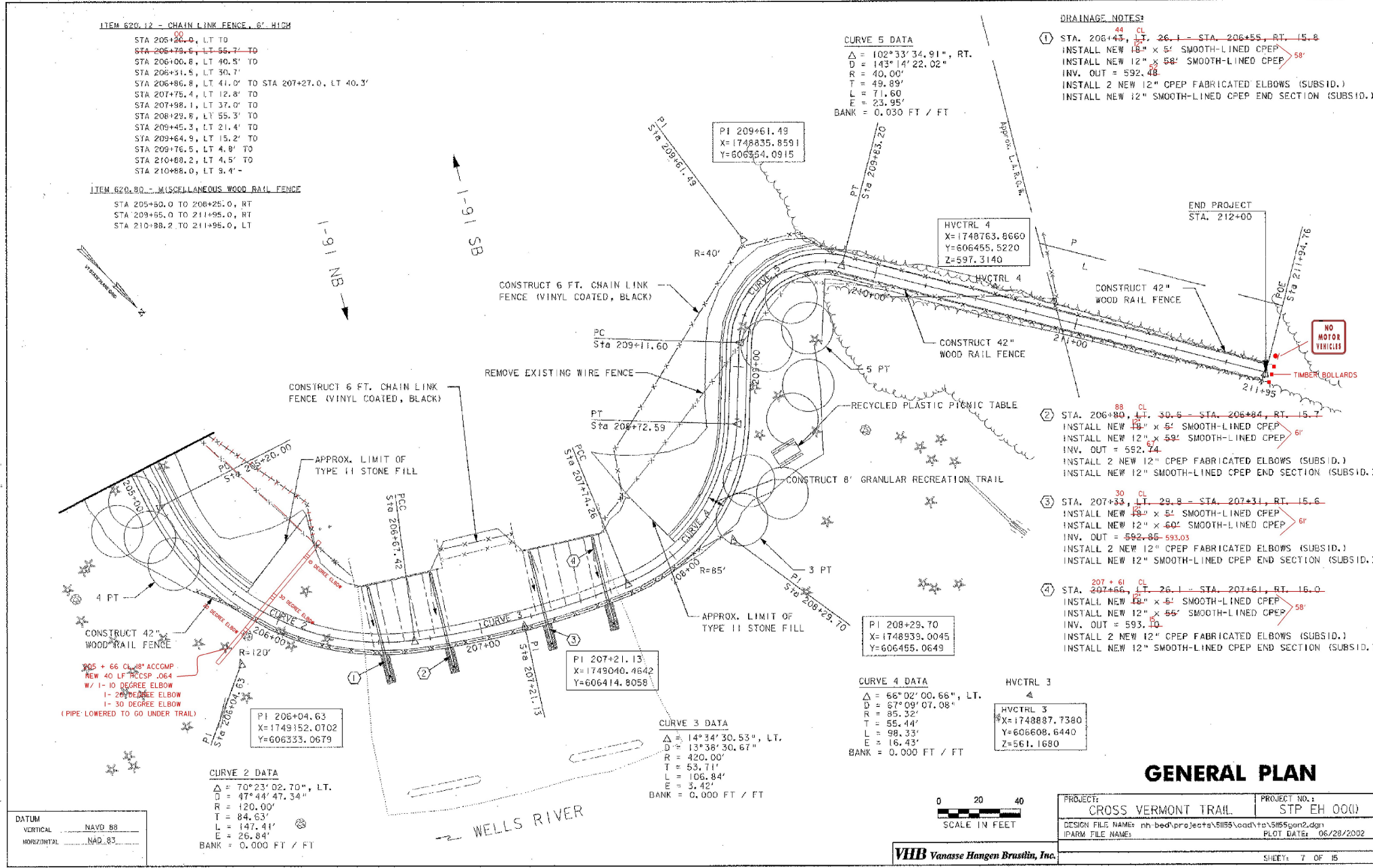
DRAINAGE NOTES:

- ① STA. 206+43, LT 26.1 - STA. 206+55, RT 15.8
 INSTALL NEW 18" X 5' SMOOTH-LINED CPEP
 INSTALL NEW 12" X 58' SMOOTH-LINED CPEP
 INV. OUT = 592.48
 INSTALL 2 NEW 12" CPEP FABRICATED ELBOWS (SUBSID.)
 INSTALL NEW 12" SMOOTH-LINED CPEP END SECTION (SUBSID.)

- ② STA. 206+80, LT 30.5 - STA. 206+84, RT 15.7
 INSTALL NEW 18" X 5' SMOOTH-LINED CPEP
 INSTALL NEW 12" X 59' SMOOTH-LINED CPEP
 INV. OUT = 592.74
 INSTALL 2 NEW 12" CPEP FABRICATED ELBOWS (SUBSID.)
 INSTALL NEW 12" SMOOTH-LINED CPEP END SECTION (SUBSID.)

- ③ STA. 207+33, LT 29.8 - STA. 207+31, RT 15.6
 INSTALL NEW 18" X 5' SMOOTH-LINED CPEP
 INSTALL NEW 12" X 60' SMOOTH-LINED CPEP
 INV. OUT = 592.85-593.03
 INSTALL 2 NEW 12" CPEP FABRICATED ELBOWS (SUBSID.)
 INSTALL NEW 12" SMOOTH-LINED CPEP END SECTION (SUBSID.)

- ④ STA. 207+66, LT 26.1 - STA. 207+61, RT 16.0
 INSTALL NEW 18" X 5' SMOOTH-LINED CPEP
 INSTALL NEW 12" X 55' SMOOTH-LINED CPEP
 INV. OUT = 593.10
 INSTALL 2 NEW 12" CPEP FABRICATED ELBOWS (SUBSID.)
 INSTALL NEW 12" SMOOTH-LINED CPEP END SECTION (SUBSID.)



DATUM	
VERTICAL	NAVD 88
HORIZONTAL	NAD 83

CURVE 2 DATA
 $\Delta = 70^{\circ}23'02.70"$, LT.
 $D = 47^{\circ}44'47.34"$
 $R = 120.00'$
 $T = 84.63'$
 $L = 147.41'$
 $E = 26.84'$
 $BANK = 0.000$ FT / FT

CURVE 3 DATA
 $\Delta = 14^{\circ}34'30.53"$, LT.
 $D = 13^{\circ}38'30.67"$
 $R = 420.00'$
 $T = 53.71'$
 $L = 106.84'$
 $E = 3.42'$
 $BANK = 0.000$ FT / FT

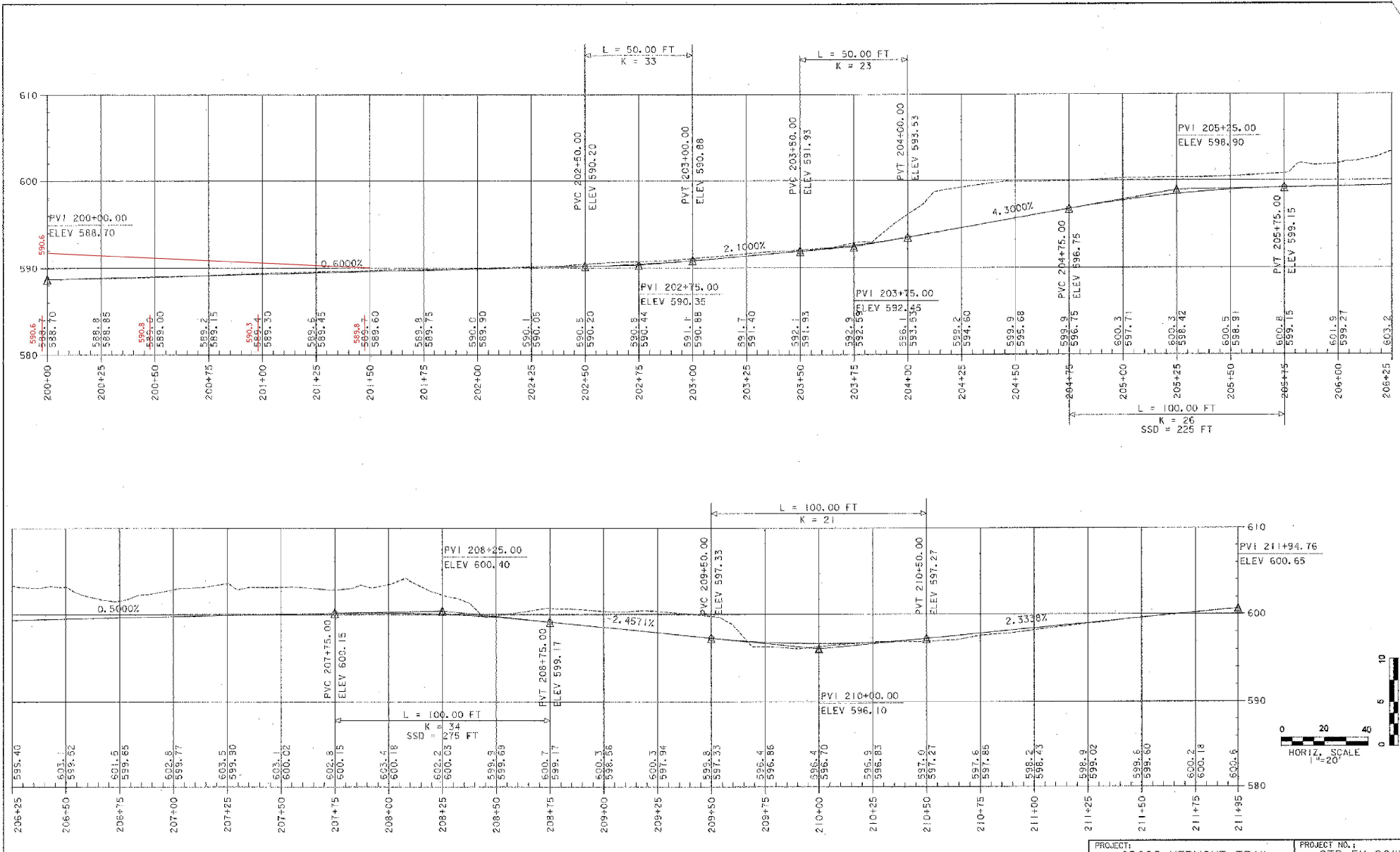
CURVE 4 DATA
 $\Delta = 66^{\circ}02'00.66"$, LT.
 $D = 67^{\circ}09'07.08"$
 $R = 85.32'$
 $T = 55.44'$
 $L = 98.33'$
 $E = 16.43'$
 $BANK = 0.000$ FT / FT

HVCTRL 3
 $X = 1748887.7380$
 $Y = 606608.6440$
 $Z = 561.1680$



GENERAL PLAN

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PLANT FILE NAME:		PLOT DATE:	06/28/2002



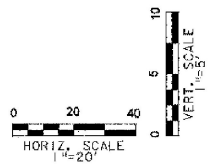
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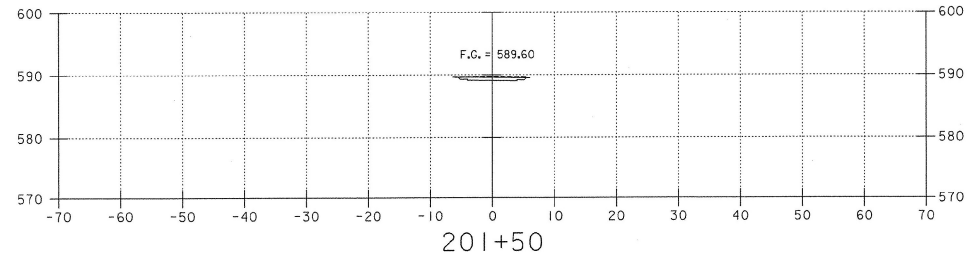
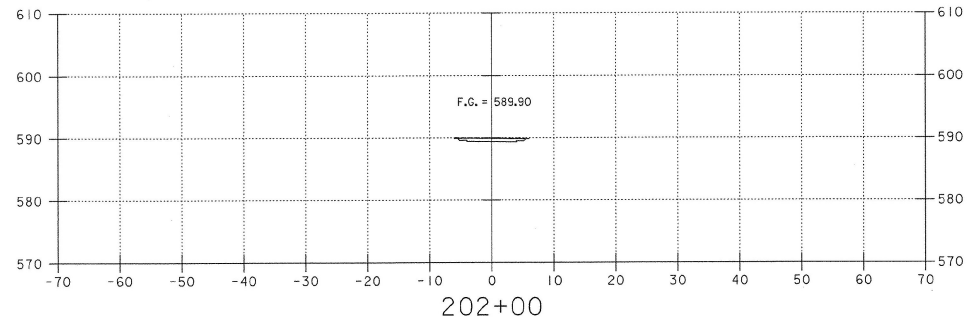
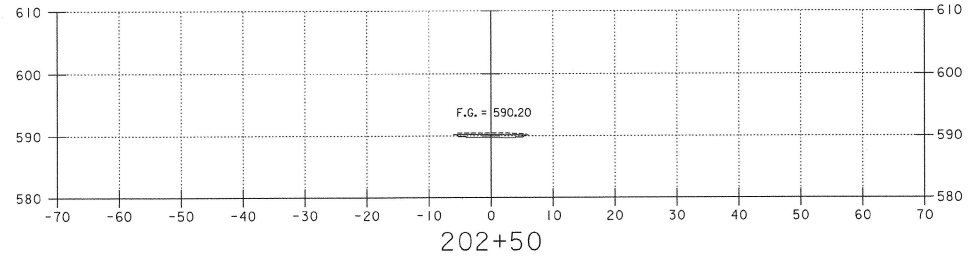
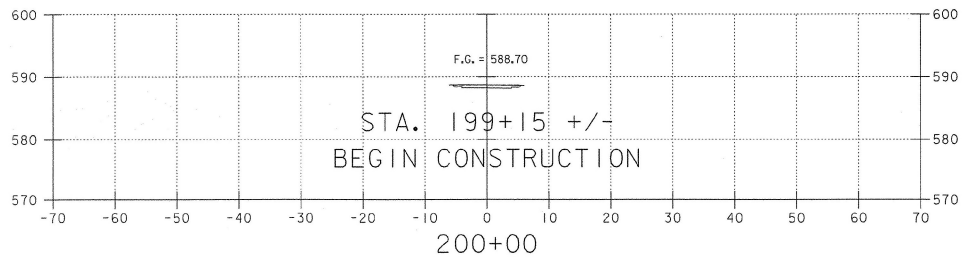
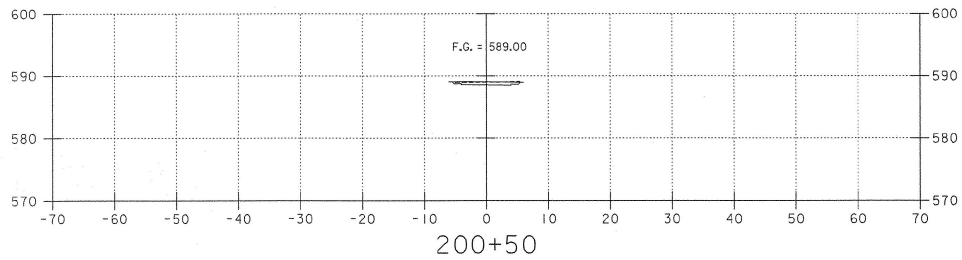
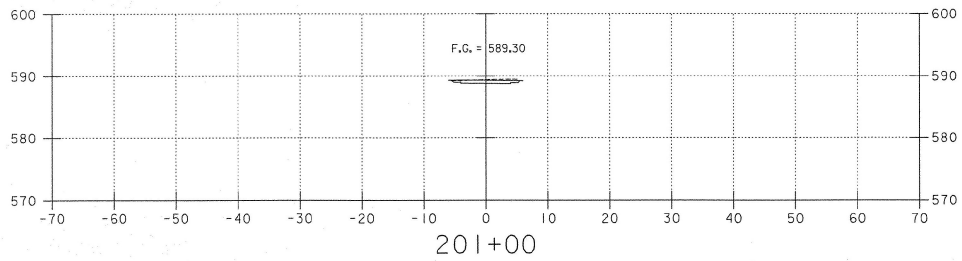
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VHB Vanasse Hangen Brustlin, Inc.

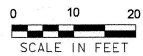
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SHEET: 8 OF 15





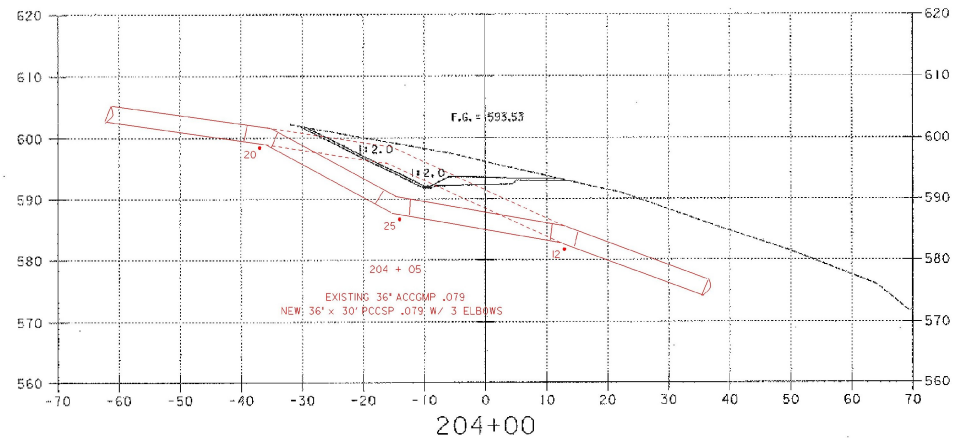
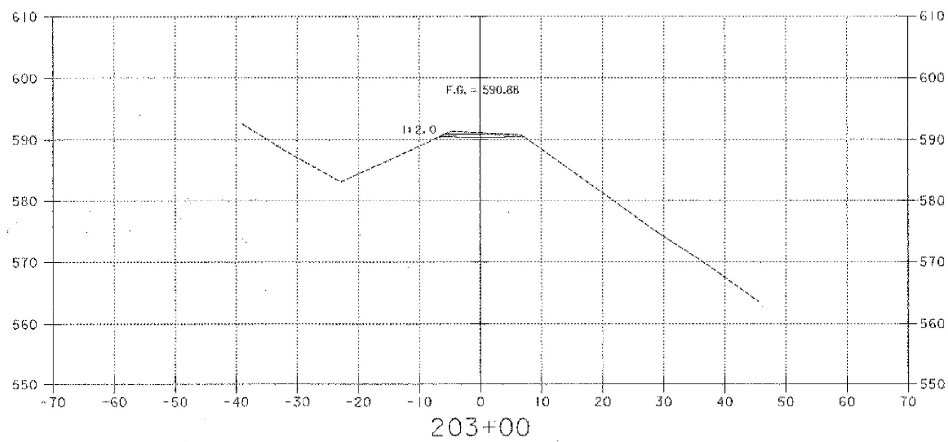
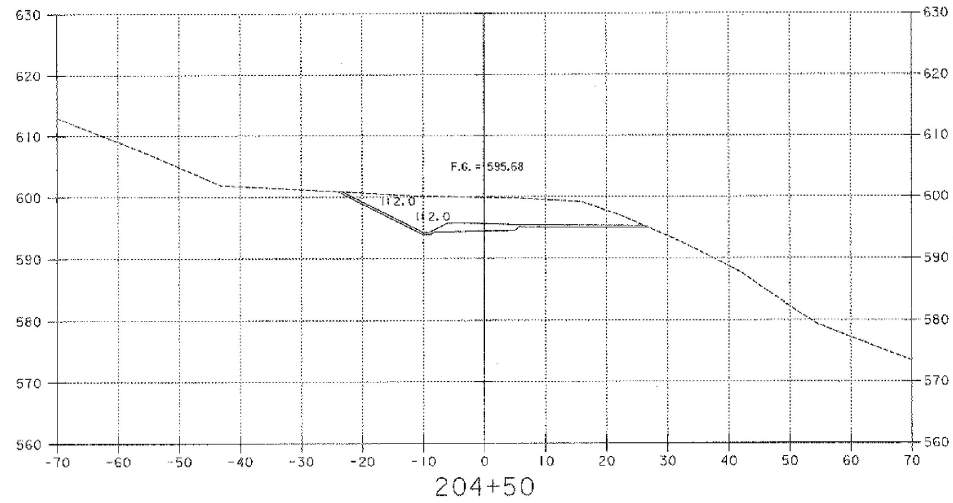
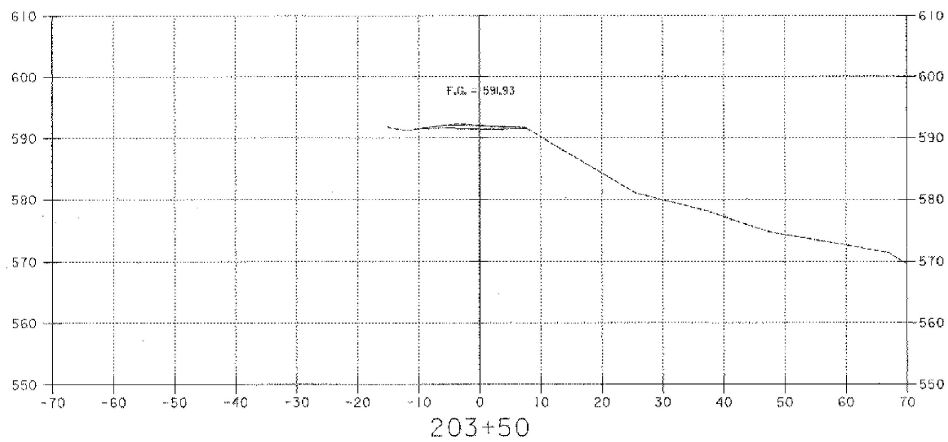
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CROSS SECTIONS

VHB Vanasse Hangen Brustlin, Inc.

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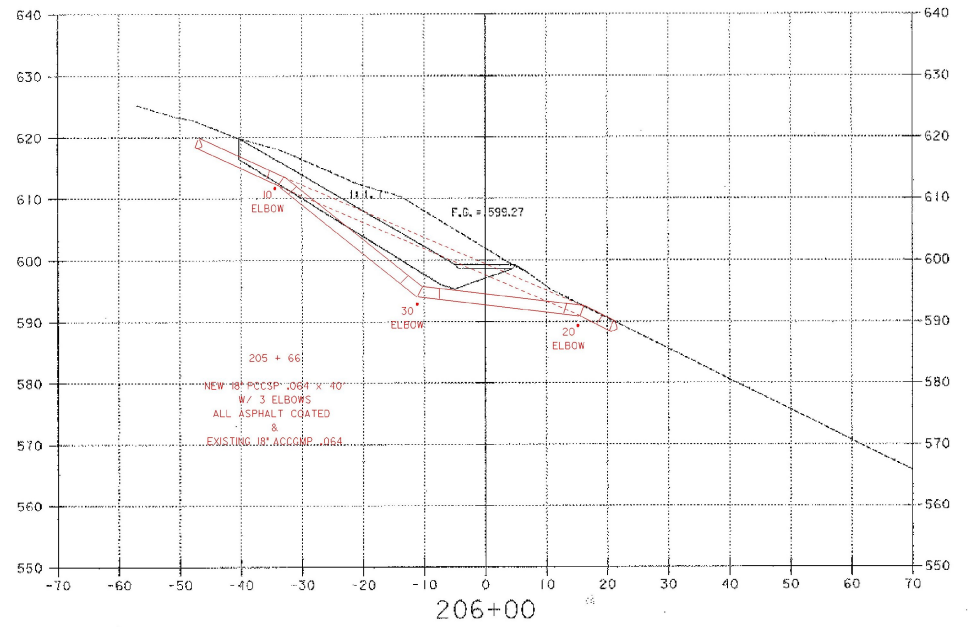
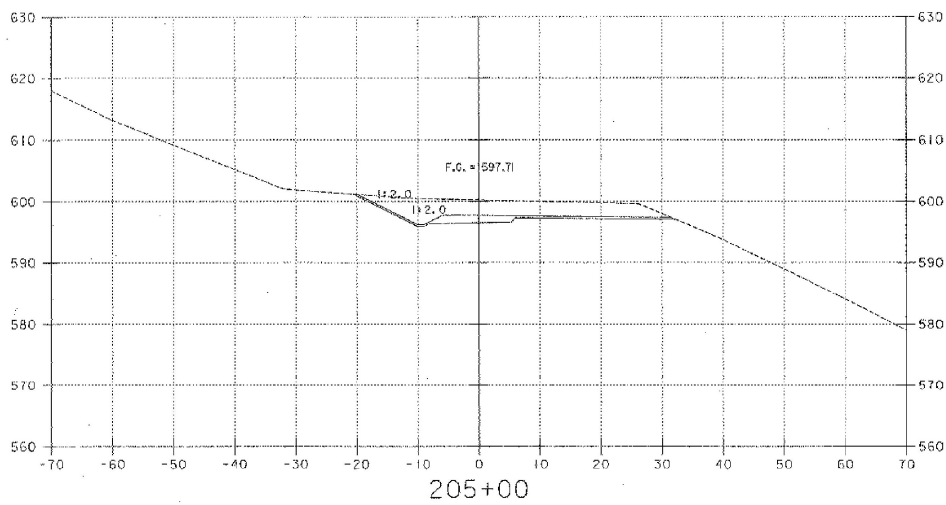
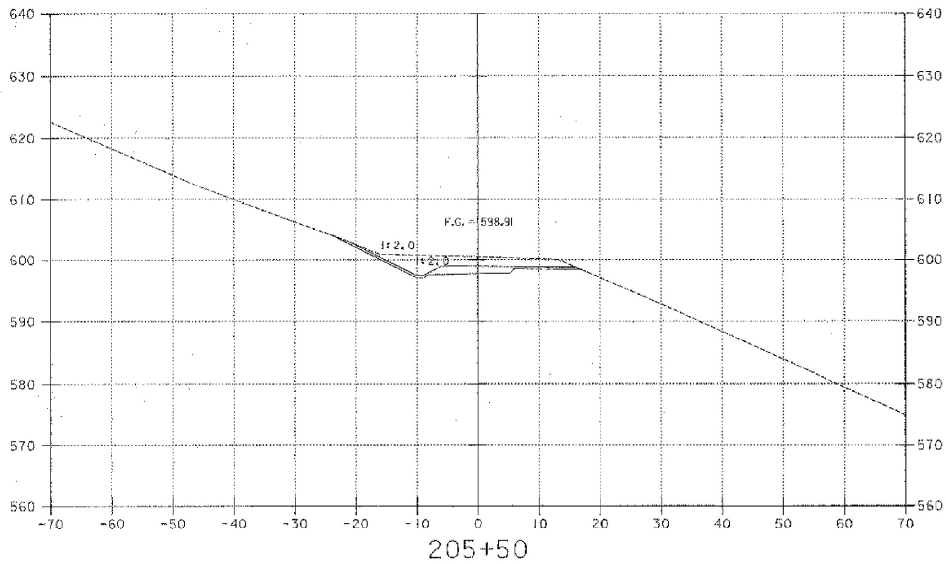
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 SCALE IN FEET

CROSS SECTIONS

VHB Yonasse Hangan Brustlin, Inc.

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SHEET: 10 OF 15	



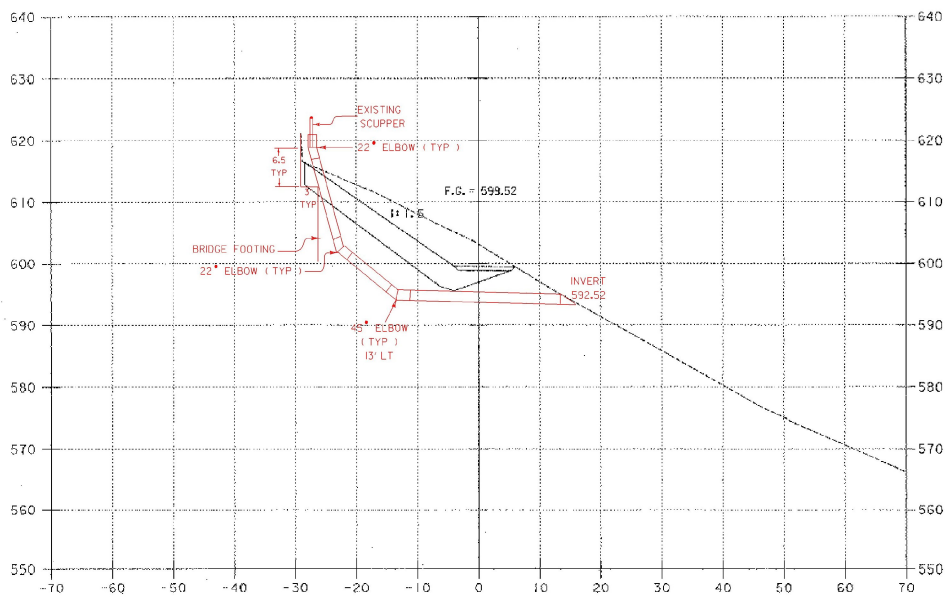
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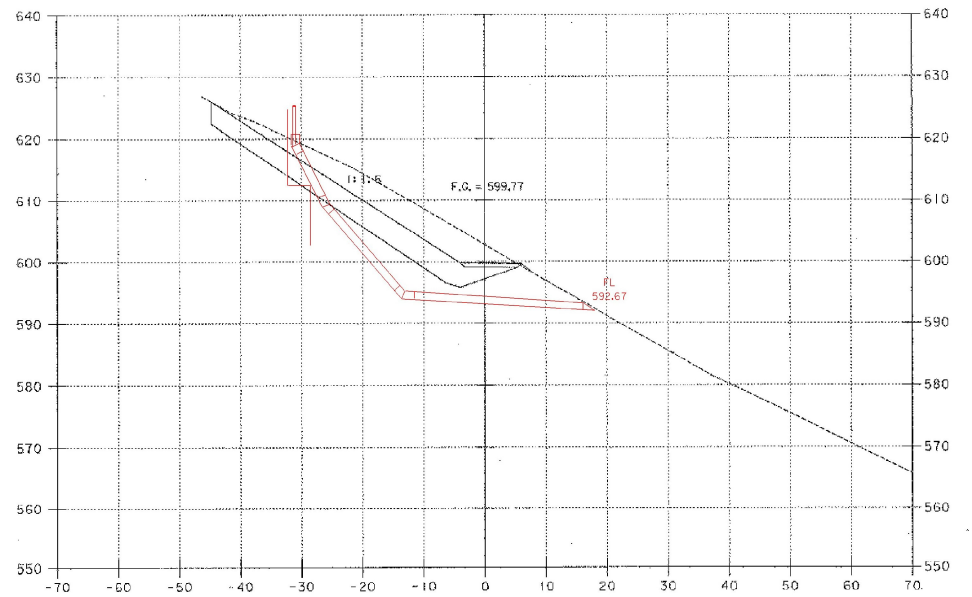
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VHB Vanasse Hangen Brustlin, Inc.

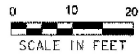


206 + 50 &
 206 + 44
 NEW 12' x 58'
 W/ 3 ELBOWS
 & E. SECTION



207+00 &
 206 + 88
 NEW 12' x 61' CPEP
 WITH 3 ELBOWS

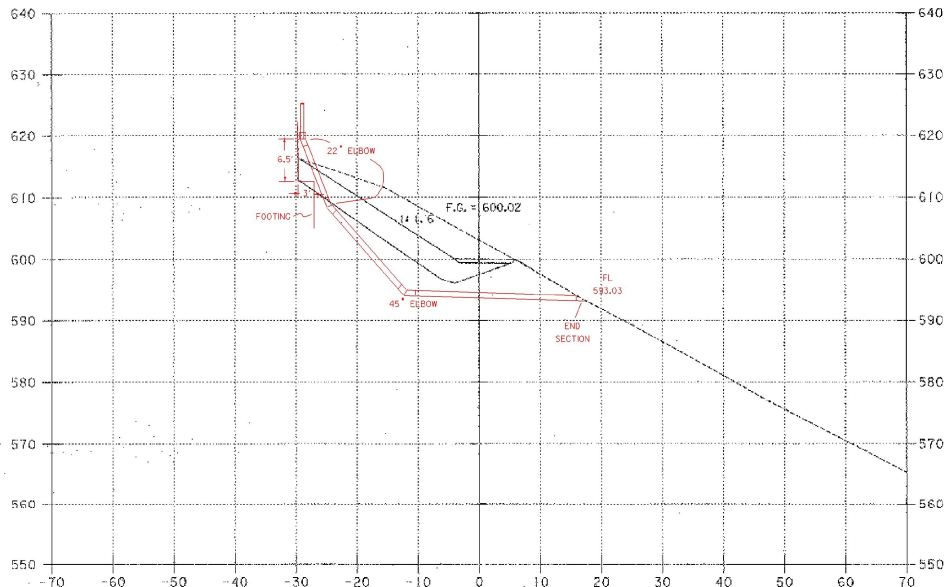
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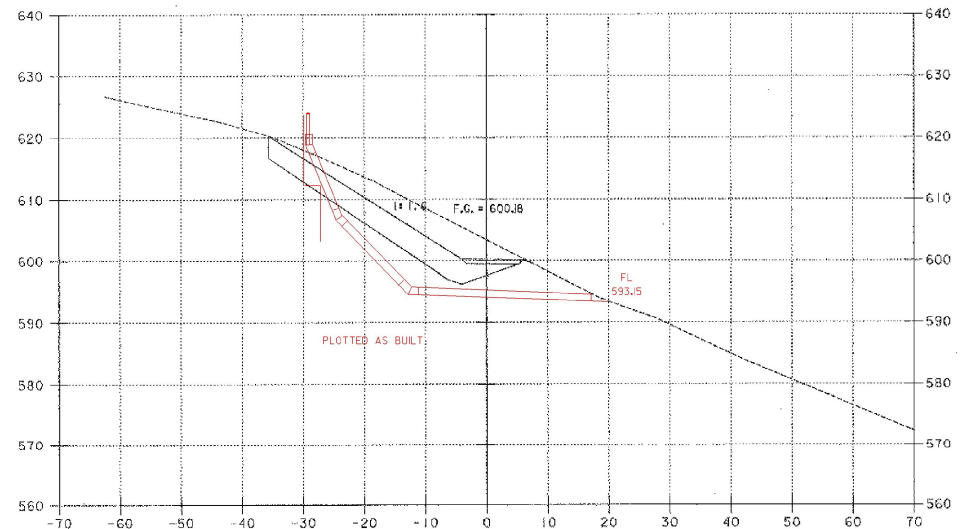
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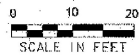
207+50 &
 207 + 30
 NEW 12" x 61" CPEP
 WITH 3 ELBOWS & END SECTION



NEW 12" x 58" CPEP
 W/ 3 ELBOWS & END SECTION

208+00 & 207 + 61

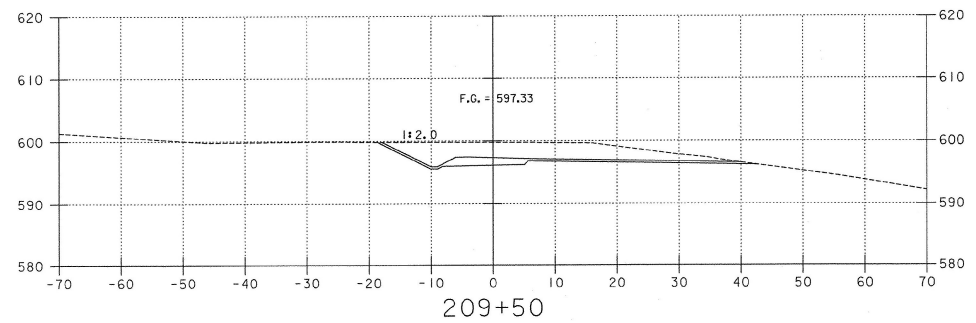
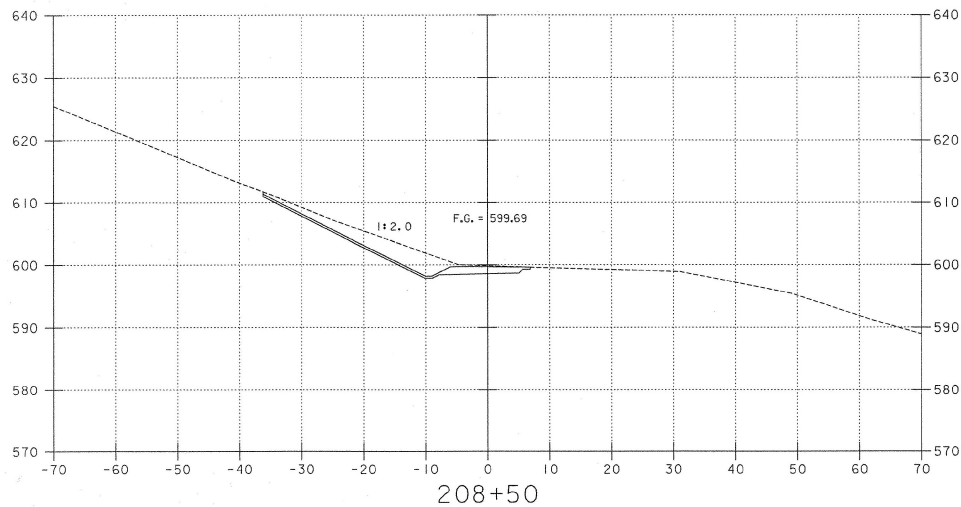
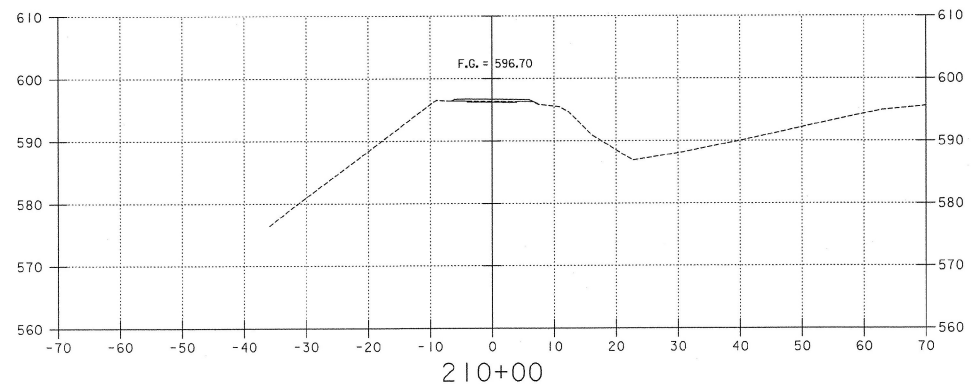
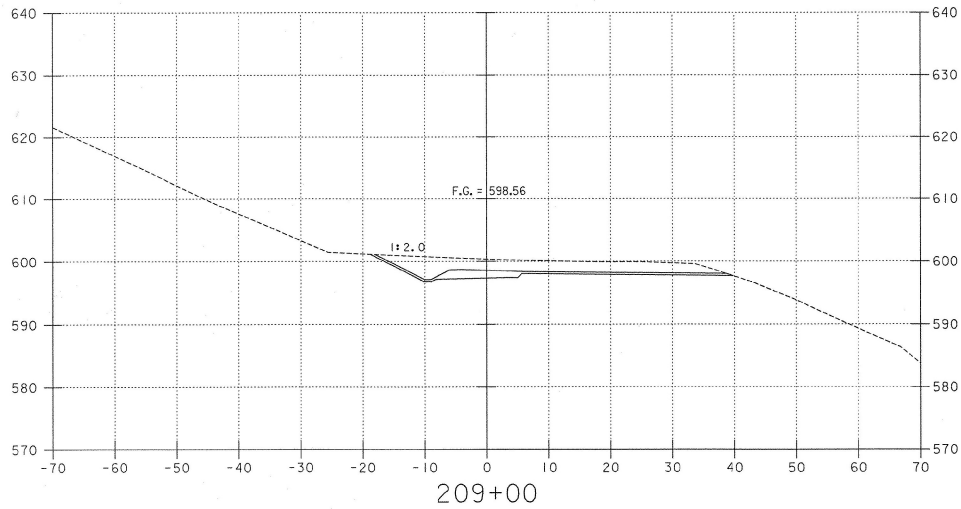
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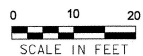
CROSS SECTIONS

VHB Yanase Hangen Brustlin, Inc.

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PARAM FILE NAME:	PLOT DATE: 06/28/2002		



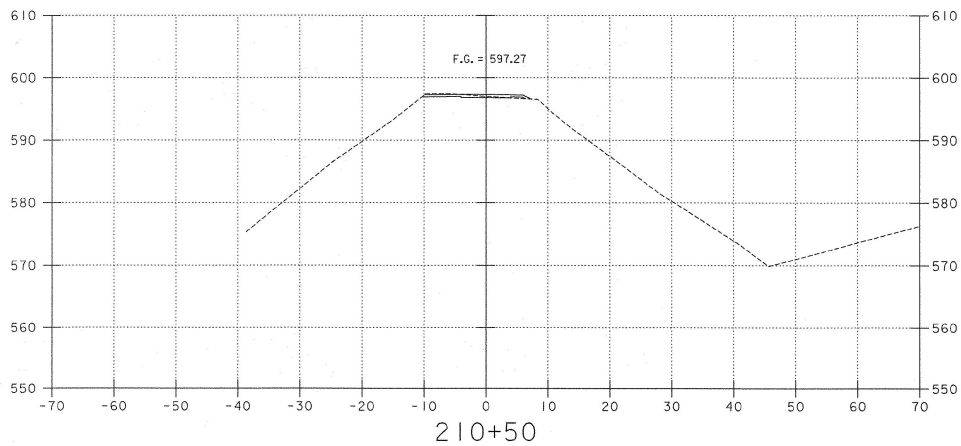
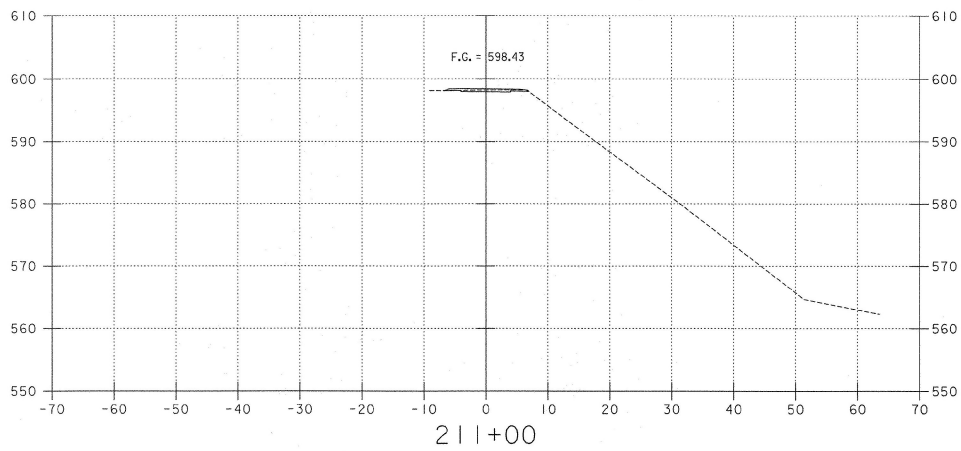
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 VERTICAL NAVD 88
 HORIZONTAL NAD 83



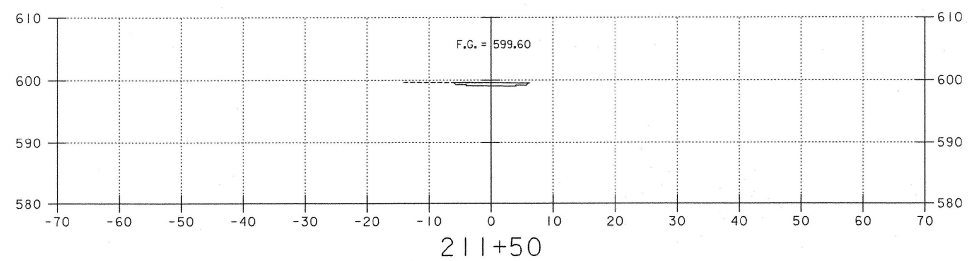
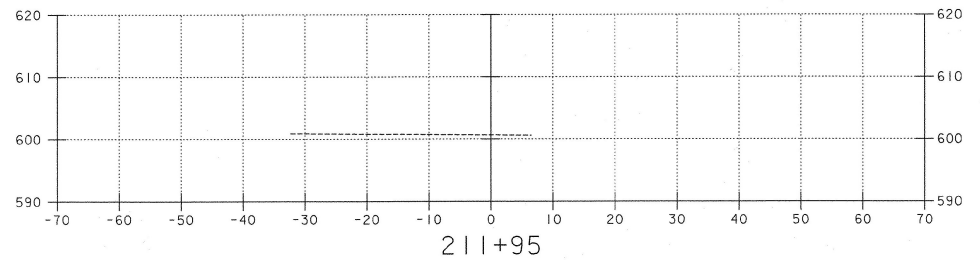
CROSS SECTIONS

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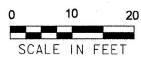
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IPARM FILE NAME:		PLOT DATE:	06/28/2002



STA. 211+95
END CONSTRUCTION



DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83



CROSS SECTIONS

PROJECT:	CROSS VERMONT TRAIL	PROJECT NO.:	STP EH 00(1)
DESIGN FILE NAME:	nh-bed\projects\51155\cad\1e\51155.sldgn	PLOT DATE:	06/28/2002
IPARM FILE NAME:			

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