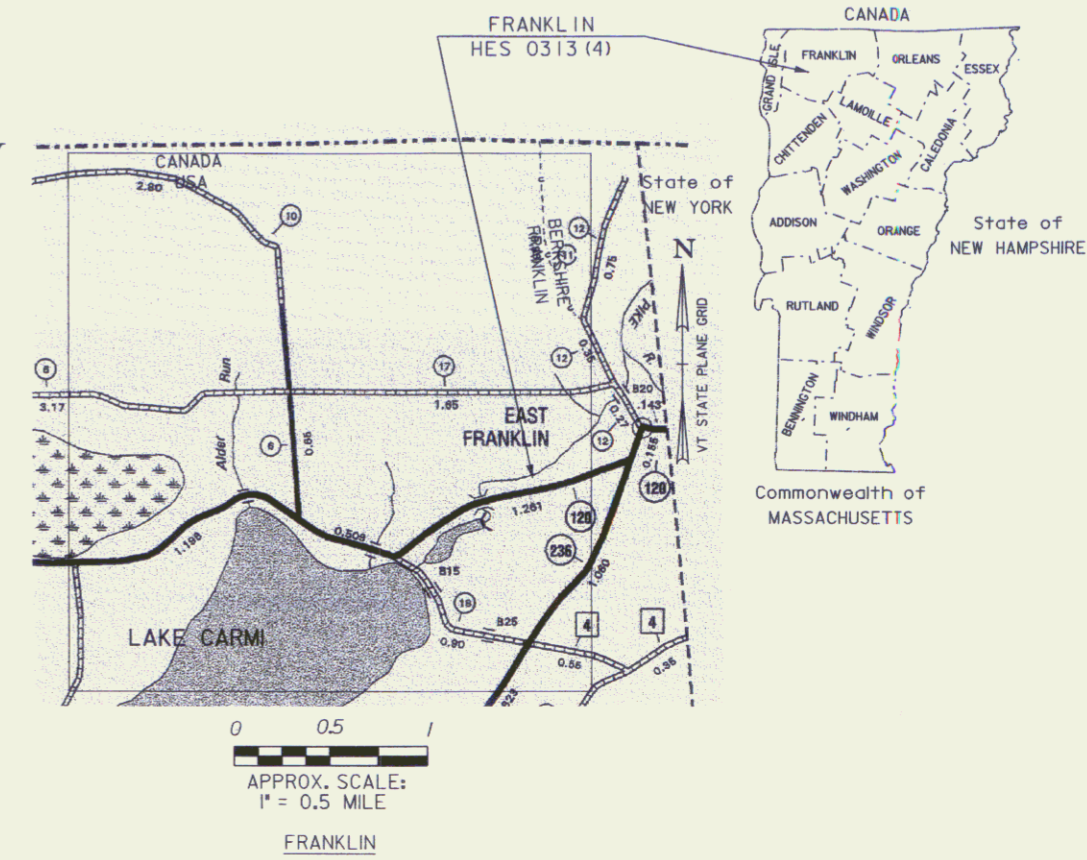


STATE OF VERMONT  
AGENCY OF TRANSPORTATION



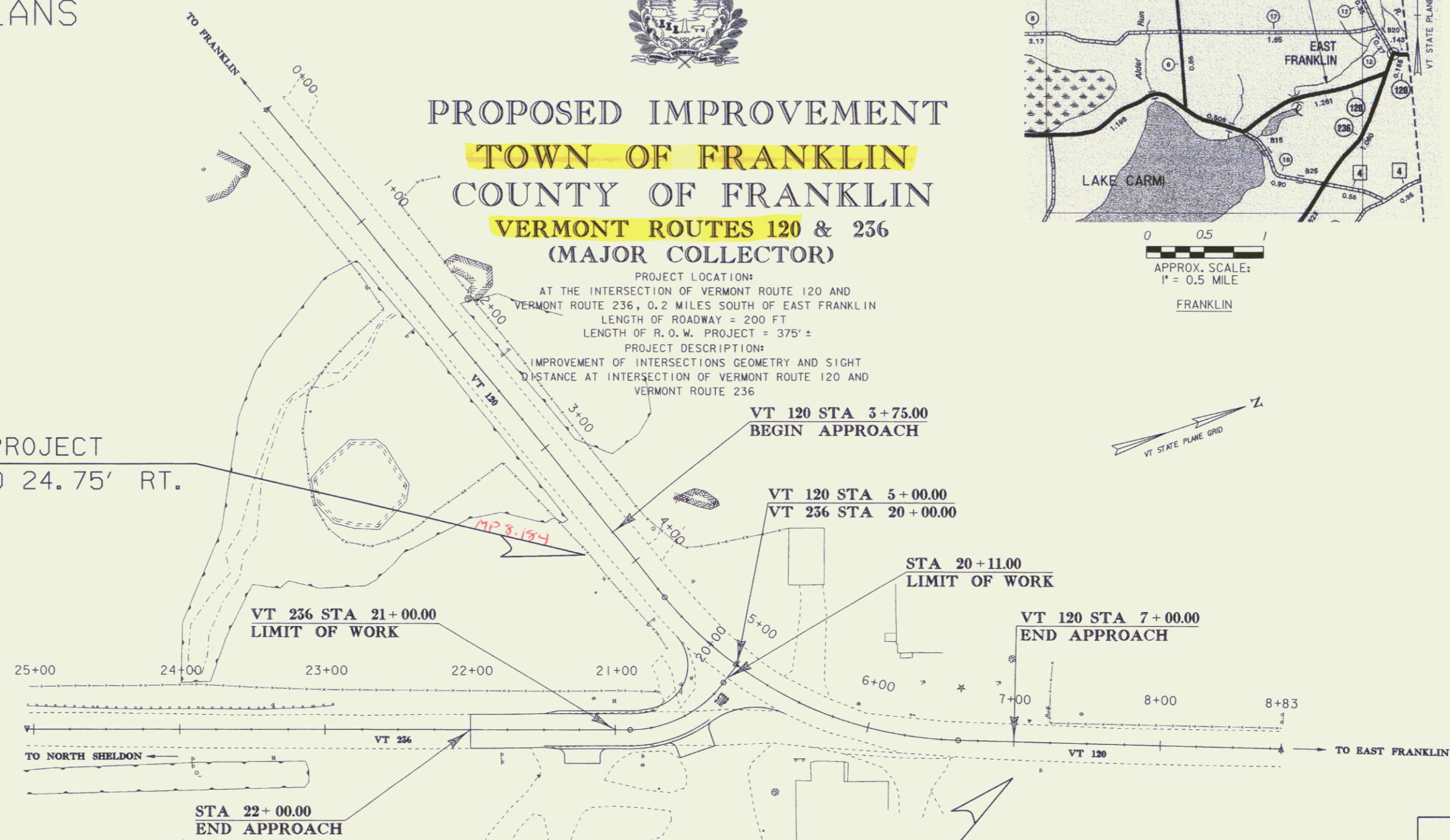
PROPOSED IMPROVEMENT  
**TOWN OF FRANKLIN**  
COUNTY OF FRANKLIN  
**VERMONT ROUTES 120 & 236**  
(MAJOR COLLECTOR)

PROJECT LOCATION:  
AT THE INTERSECTION OF VERMONT ROUTE 120 AND  
VERMONT ROUTE 236, 0.2 MILES SOUTH OF EAST FRANKLIN  
LENGTH OF ROADWAY = 200 FT  
LENGTH OF R.O.W. PROJECT = 375' ±  
PROJECT DESCRIPTION:  
IMPROVEMENT OF INTERSECTIONS GEOMETRY AND SIGHT  
DISTANCE AT INTERSECTION OF VERMONT ROUTE 120 AND  
VERMONT ROUTE 236



R. O. W. PLANS

BEGIN R. O. W. PROJECT  
VT 120 3+75.00 24.75' RT.



**CONVENTIONAL SYMBOLS**

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

SURVEYED BY : VTRANS  
SURVEYED DATE : 06/2005

DATUM  
VERTICAL: NAVD 88  
HORIZONTAL: NAD83

END R. O. W. PROJECT  
VT 120 7+00.00 24.75' RT.

SCALE IN FEET  
1" = 40'

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

CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2001, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JANUARY 4, 2001. FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

APPROVED *Richard Johnson* DATE 9-25-06  
Director of Program Development

APPROVED *Robert White* DATE 9/25/06  
Chief of Right of Way

FRANKLIN  
HES 0313 (4)  
R.O.W. SHEET 1 OF 7 SHEETS

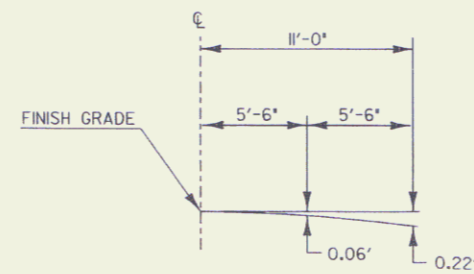
MAR 25 2010

## TYPICAL SECTIONS

### MATERIALS TOLERANCE TABLE

MATERIAL ITEM	THICKNESS TOLERANCE
PAVEMENT (TOTAL DEPTH)	+/- 1/4 INCH
SUBBASE (TOTAL DEPTH)	+/- 1 INCH
SAND BORROW (TOTAL DEPTH)	+/- 1 INCH

BITUMINOUS CONCRETE PAVEMENT MIXTURE DESIGN CRITERIA	
PERFORMANCE GRADED ASPHALT BINDER	PG 58-34



**PARABOLIC DETAIL**  
12'-0" LANE

### SEEDING FORMULA RURAL AREAS

% WT	lb/ac	NAME	PUR %	GERM %
5.0	4	RED TOP	95	90
37.5	23	CREeping RED FESCUE	98	85
15.0	9	BIRDSFOOT TREFOIL	98	85
37.5	23	TALL FESCUE	95	90
5.0	4	ANNUAL RYE GRASS	95	85
100.0	63			

### 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 lb/ac (HYDRO SEEDERS MAY USE 19-19-19 FORMULA).

AGRICULTURAL LIMESTONE: TO BE APPLIED AT THE RATE OF 2.0 tons/ac, OR AS DIRECTED BY THE ENGINEER.

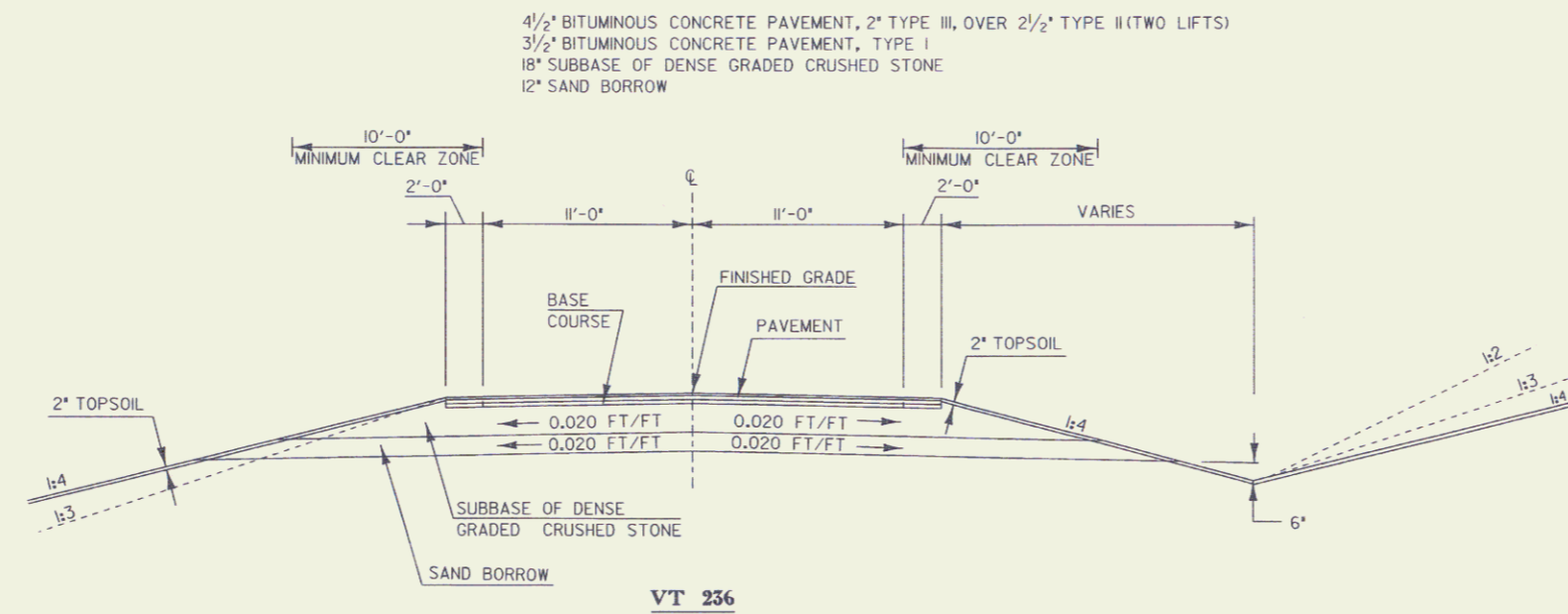
HAY MULCH: TO BE PLACED ON EARTH SLOPES AT THE RATE OF 2.0 tons/ac, OR AS DIRECTED BY THE ENGINEER.

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.

TACK COAT: EMULSIFIED ASPHALT IS TO BE APPLIED AT THE RATE OF 0.002 gal/ft<sup>2</sup> BETWEEN SUCCESSIVE COURSES OF PAVEMENT AS DIRECTED BY THE ENGINEER.



4 1/2" BITUMINOUS CONCRETE PAVEMENT, 2" TYPE III, OVER 2 1/2" TYPE II (TWO LIFTS)  
3 1/2" BITUMINOUS CONCRETE PAVEMENT, TYPE I  
18" SUBBASE OF DENSE GRADED CRUSHED STONE  
12" SAND BORROW

VT 236

NOTE:  
ALL DIMENSIONS IN FEET (ft) EXCEPT WHERE NOTED

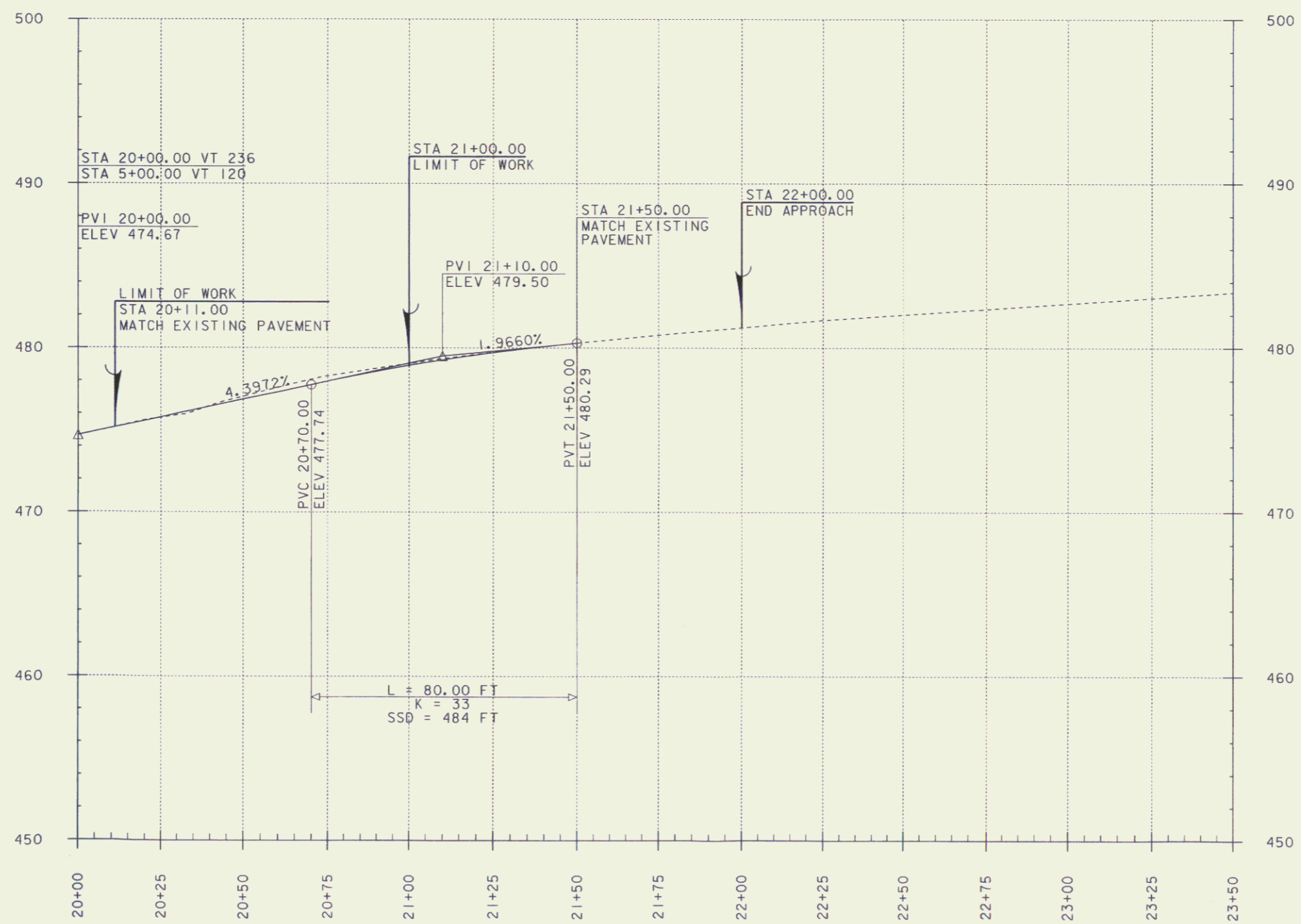
PROJECT NAME: FRANKLIN  
PROJECT NUMBER: HES 0313(4)

FILE NAME: Z04C202TYP PLOT DATE: 26-SEP-2006  
PROJECT LEADER: GAMBLE DRAWN BY: MJF  
DESIGNED BY: BRC CHECKED BY: DMB  
ROW SHEET (2) OF 7 SHEETS

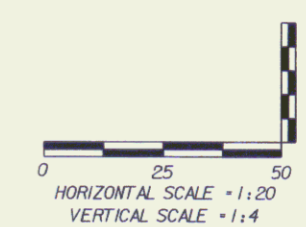
DATUM  
VERTICAL: NAVD 88  
HORIZONTAL: NAD83

NOT TO SCALE

MAR 25 2010



**VT 236**



PROJECT NAME:	FRANKLIN
PROJECT NUMBER:	HES 0313(4)
FILE NAME:	Z04C202PRO.dgn
PROJECT LEADER:	GAMBLE
DESIGNED BY:	BRC
PLOT DATE:	23-JUN-2006
DRAWN BY:	MJF
CHECKED BY:	DMB
ROW SHEET	3 OF 7 SHEETS

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3

GPS CONTROL POINTS

**HVCTRL #1**  
 Franklin Az Mk  
 Northing 908334.77  
 Easting 1551937.16  
 Elev: 436.94

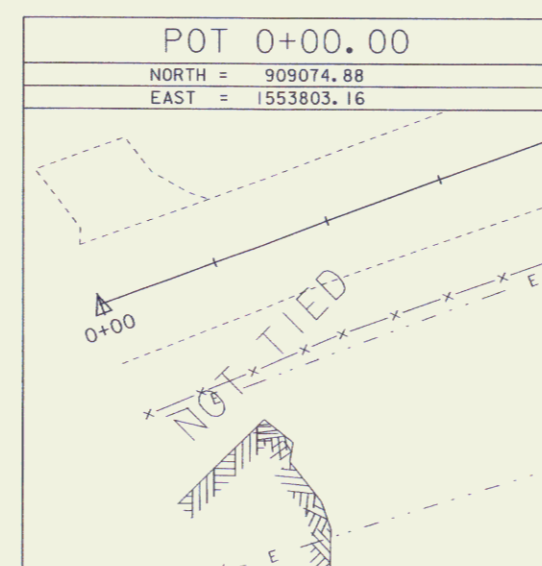
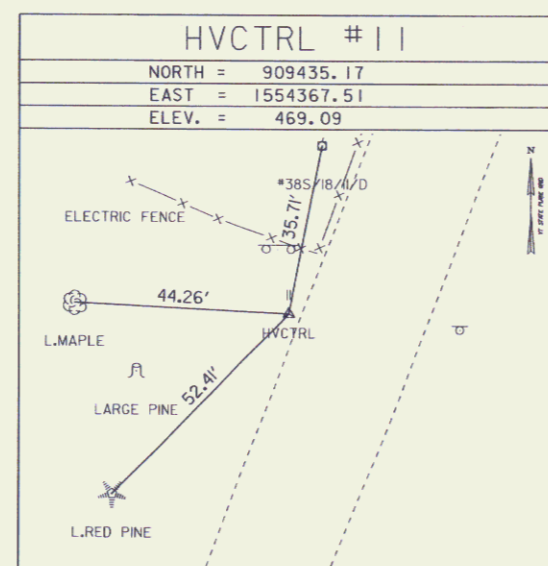
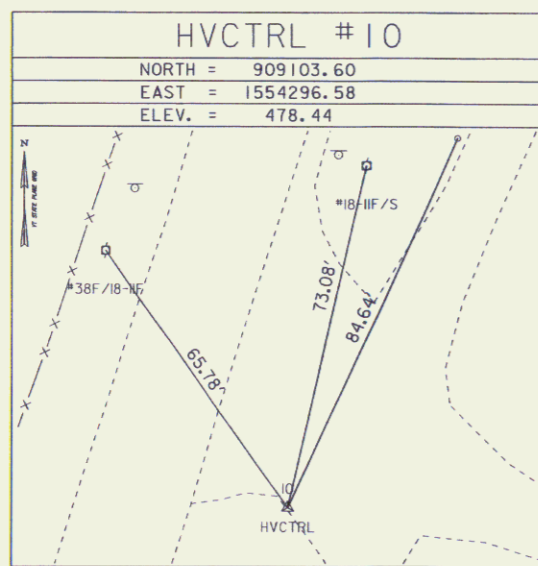
To reach from the Intersection of VT route 120 (Lake Road) and VT route 236 (State Park Road), go southwest along route 120 for 0.4 mi to the site of the mark on the left, just south of a field drive. The mark is set 2 3/4 inches below ground surface in the top of a Feno style monument. It is 23.3 ft south of and about 6 in lower than the centerline of route 120, 372.5 ft east southeast of and across the road from an unnumbered pole, 19.7 ft east of the centerline of the field drive, 239.5 ft west of the center of the south (inlet) and of a 12 in diameter metal culvert, and 1 ft north of a fiberglass witness post.

**HVCTRL #2**  
 Franklin  
 Northing 909262.34  
 Easting 1554149.96  
 Elev: 473.52

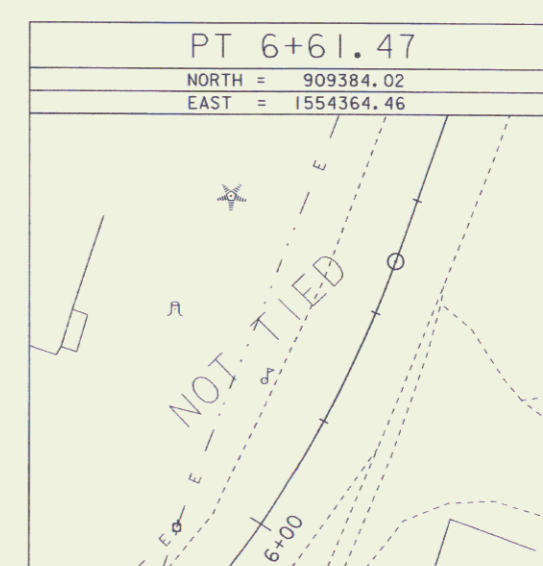
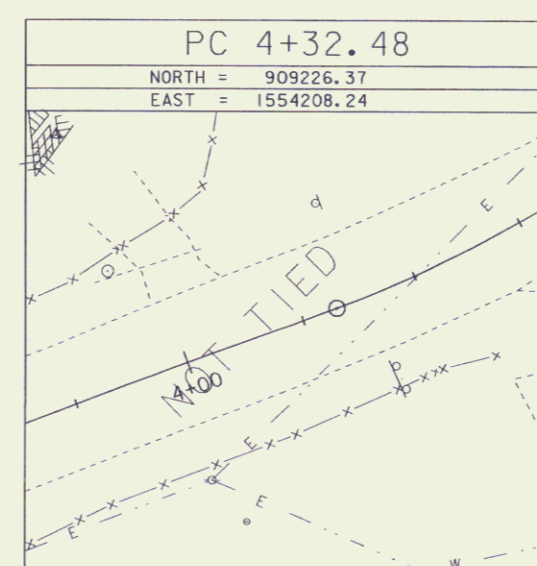
To reach from the Intersection of VT route 120 (Lake Road) and VT route 236 (State Park Road), go southwest along route 120 for 164 ft to the site of the mark on the right. The mark is set in the top of the south end of a 24.5 ft x 1.5 ft rock outcrop which projects 1 ft above ground surface. It is 54 ft north of and about .5 ft higher than the centerline of route 120, 155.5 ft northwest of the centerline of route 236, 89.3 ft west southwest of the south corner of a barn, 70.9 ft southwest of the west corner of the barn, 287 ft east of a wire fence and 181.5 ft west of pole #38F/18/11/E with meter and lumen.

\* Description provided by Vermont Agency of Transportation Geodetic Survey Unit

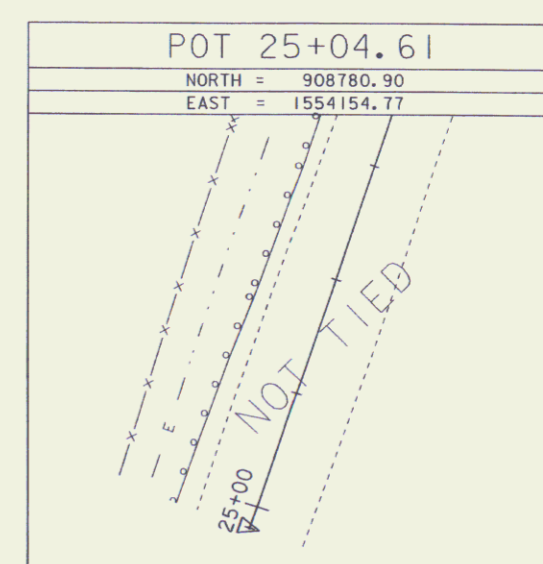
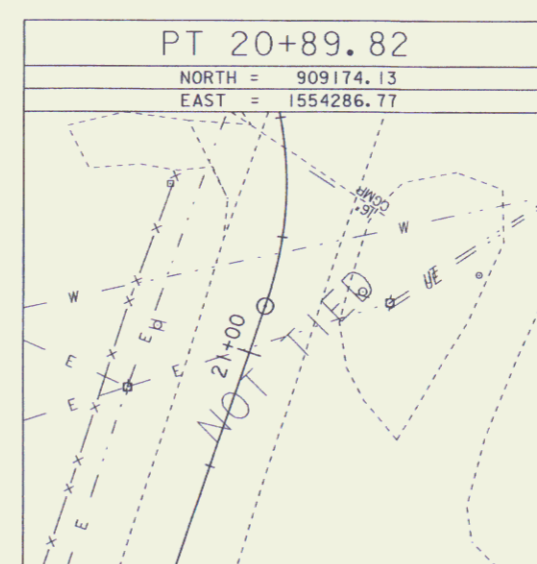
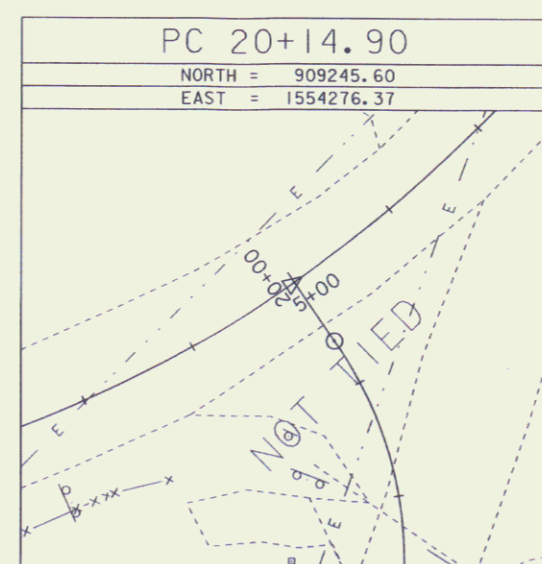
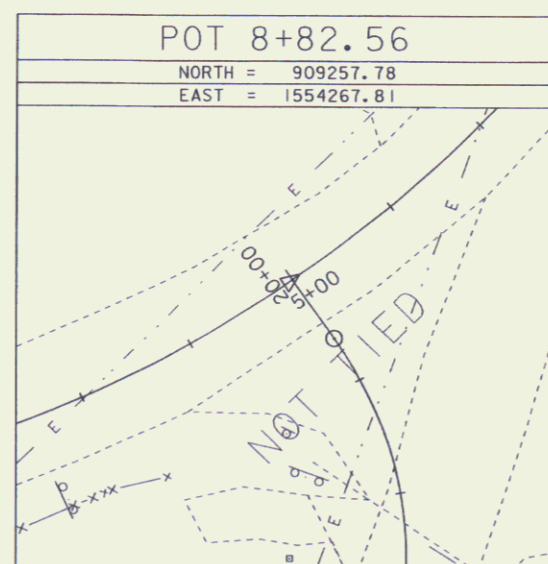
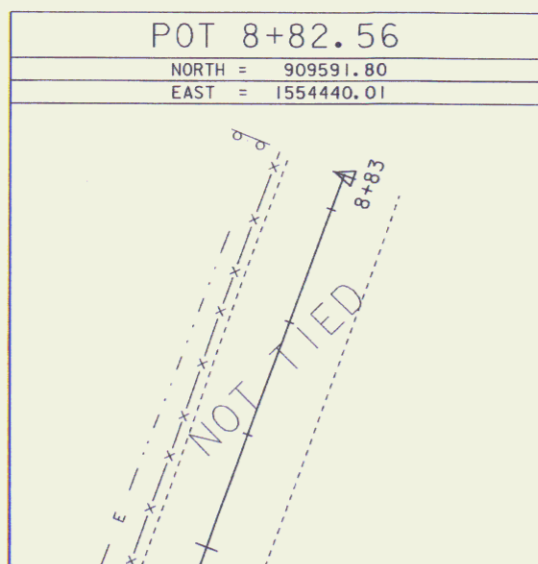
**TRAVERSE TIES**



**ALIGNMENT TIES**



**ALIGNMENT TIES**

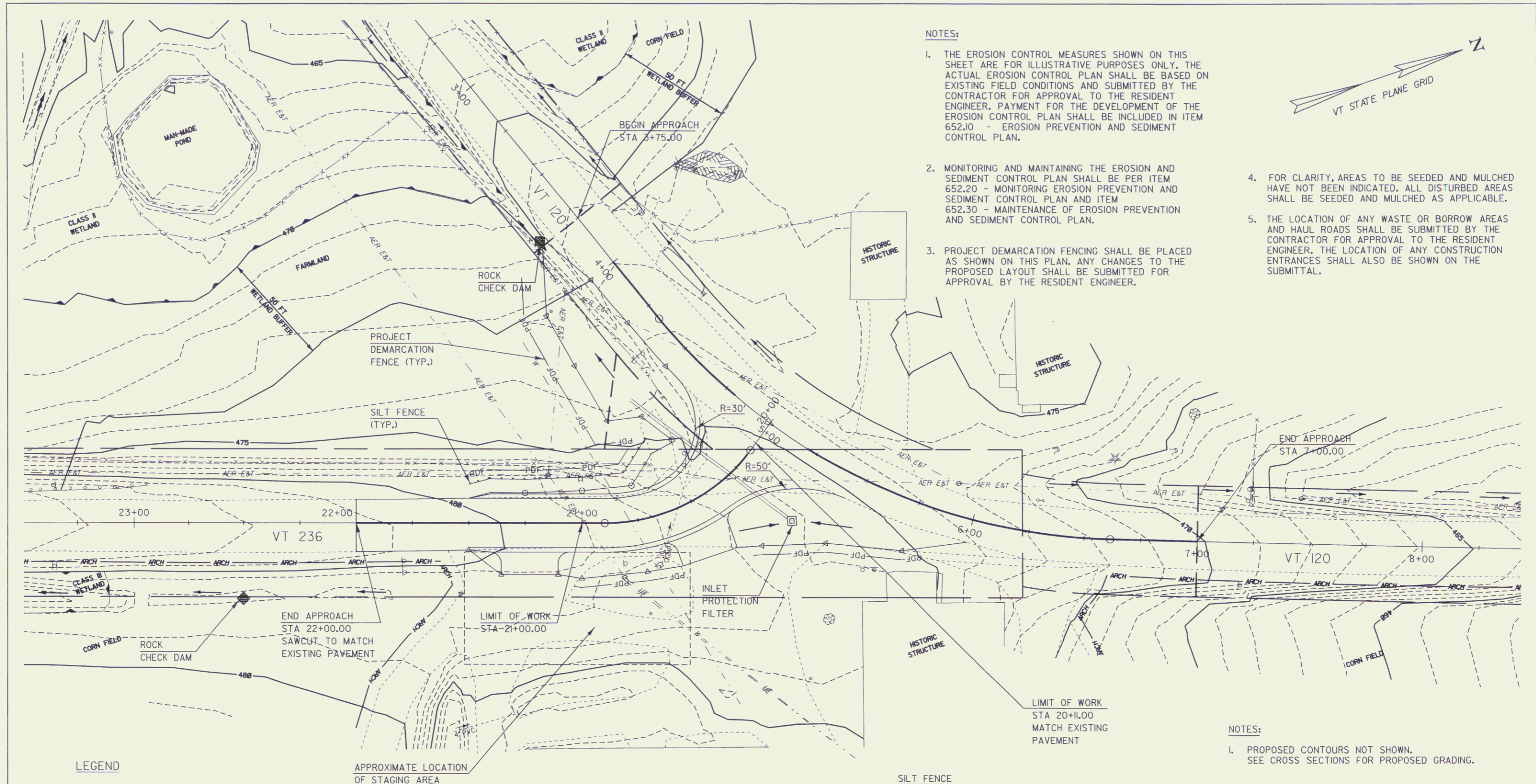


**DATUM**  
 VERTICAL: NAVD 88  
 HORIZONTAL: NAD83

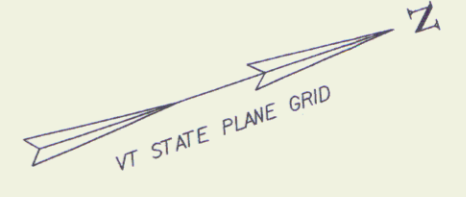
**TIE SHEET**

PROJECT NAME: FRANKLIN  
 PROJECT NUMBER: HES 0313(4)  
 FILE NAME:  
 PROJECT LEADER: GAMBLE  
 DESIGNED BY: BRC  
 PLOT DATE: 26-SEP-2006  
 DRAWN BY: MJF  
 CHECKED BY: DMB  
 ROW SHEET 4 OF 7 SHEETS

MAR 25 2010



- NOTES:**
1. THE EROSION CONTROL MEASURES SHOWN ON THIS SHEET ARE FOR ILLUSTRATIVE PURPOSES ONLY. THE ACTUAL EROSION CONTROL PLAN SHALL BE BASED ON EXISTING FIELD CONDITIONS AND SUBMITTED BY THE CONTRACTOR FOR APPROVAL TO THE RESIDENT ENGINEER. PAYMENT FOR THE DEVELOPMENT OF THE EROSION CONTROL PLAN SHALL BE INCLUDED IN ITEM 652.10 - EROSION PREVENTION AND SEDIMENT CONTROL PLAN.
  2. MONITORING AND MAINTAINING THE EROSION AND SEDIMENT CONTROL PLAN SHALL BE PER ITEM 652.20 - MONITORING EROSION PREVENTION AND SEDIMENT CONTROL PLAN AND ITEM 652.30 - MAINTENANCE OF EROSION PREVENTION AND SEDIMENT CONTROL PLAN.
  3. PROJECT DEMARCATION FENCING SHALL BE PLACED AS SHOWN ON THIS PLAN. ANY CHANGES TO THE PROPOSED LAYOUT SHALL BE SUBMITTED FOR APPROVAL BY THE RESIDENT ENGINEER.
  4. FOR CLARITY, AREAS TO BE SEEDED AND MULCHED HAVE NOT BEEN INDICATED. ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED AS APPLICABLE.
  5. THE LOCATION OF ANY WASTE OR BORROW AREAS AND HAUL ROADS SHALL BE SUBMITTED BY THE CONTRACTOR FOR APPROVAL TO THE RESIDENT ENGINEER. THE LOCATION OF ANY CONSTRUCTION ENTRANCES SHALL ALSO BE SHOWN ON THE SUBMITTAL.

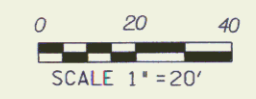


- LEGEND**
- PDF — PROJECT DEMARCATION FENCE
  - SILT FENCE
  - ROCK CHECK DAM
  - DRAINAGE PATTERNS

**DATUM**  
 VERTICAL: NAVD 88  
 HORIZONTAL: NAD83

- SILT FENCE**  
 STA 20+39.2, TO STA 21+50.0, RT
- PROJECT DEMARCATION FENCE**  
 STA 3+75.0 TO STA 21+50.0, RT  
 STA 5+23.7 TO STA 5+83.5, RT  
 STA 20+63.8 TO STA 21+03.1, LT
- ROCK CHECK DAMS**  
 STA 4+04.4, RT  
 STA 22+50.0, LT

- NOTES:**
1. PROPOSED CONTOURS NOT SHOWN. SEE CROSS SECTIONS FOR PROPOSED GRADING.



<b>EROSION CONTROL</b>	PROJECT NAME: FRANKLIN	PLOT DATE: 23-JUN-2006
	PROJECT NUMBER: HES 0313(4)	DRAWN BY: MJF
	FILE NAME:	CHECKED BY: DMB
	PROJECT LEADER: GAMBLE DESIGNED BY: BRC	ROW SHEET (5) OF 7 SHEETS

MAR 25 2010

# RIGHT - OF - WAY DETAIL SHEET

TABLE OF PROPERTY ACQUISITION

PARCEL NO.	PROPERTY OWNER	SHEET NO.	BEGINNING STATION	ENDING STATION	TAKE	REMAINDER	RIGHT			RECORDING DATA				REMARKS	
					AREA±	AREA±	TYPE	(T)/P	AREA ±	TITLE	DATE	TOWN / CITY	BOOK		PAGE
1A	BENJAMIN, NEWELL J. JR. & NANCY K. LESSOR BENJAMIN, MICHAEL P., LESSEE	7	VT120 4+32.48 RT VT120 3+82 RT VT120 3+75 RT VT236 22+50 LT VT236 20+53.3 LT VT236 21+23.0 LT	VT120 4+87.52 RT VT120 4+50 RT VT120 4+56 RT	960SF		SLOPE INSTALL INSTALL	(T) (T) (T)	850SF 876SF			FRANKLIN			PDF ROCK CHECK DAM DRIVE 25' WIDE, MM 0493 DRIVE 25' WIDE, MM 0491
1B		7	VT120 3+75.00 RT	VT120 5+73.32 LT	0.17A		ALL R.T. & I.					FRANKLIN			VT RTE 120 HWY. EASE
1C		7	VT120 6+17.27 LT	VT120 7+00.00 RT	3850SF		ALL R.T. & I.					FRANKLIN			VT RTE 120 HWY. EASE

TABLE OF REVISIONS

REVISION NO.	SHEET NO.	DESCRIPTION	DATE
1	6, 7	PARCEL NO. 1, BENJAMIN. ADDED WATER LINE TO LAYOUT SHEET PER C.O. 9474 DRAWN BY: JB APPROVED BY: EP	09/12/06
		PAPER PRINTS TO A.L.G. VIA ART B.	9-26-06

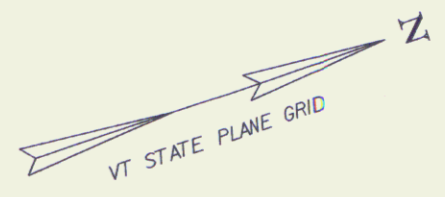
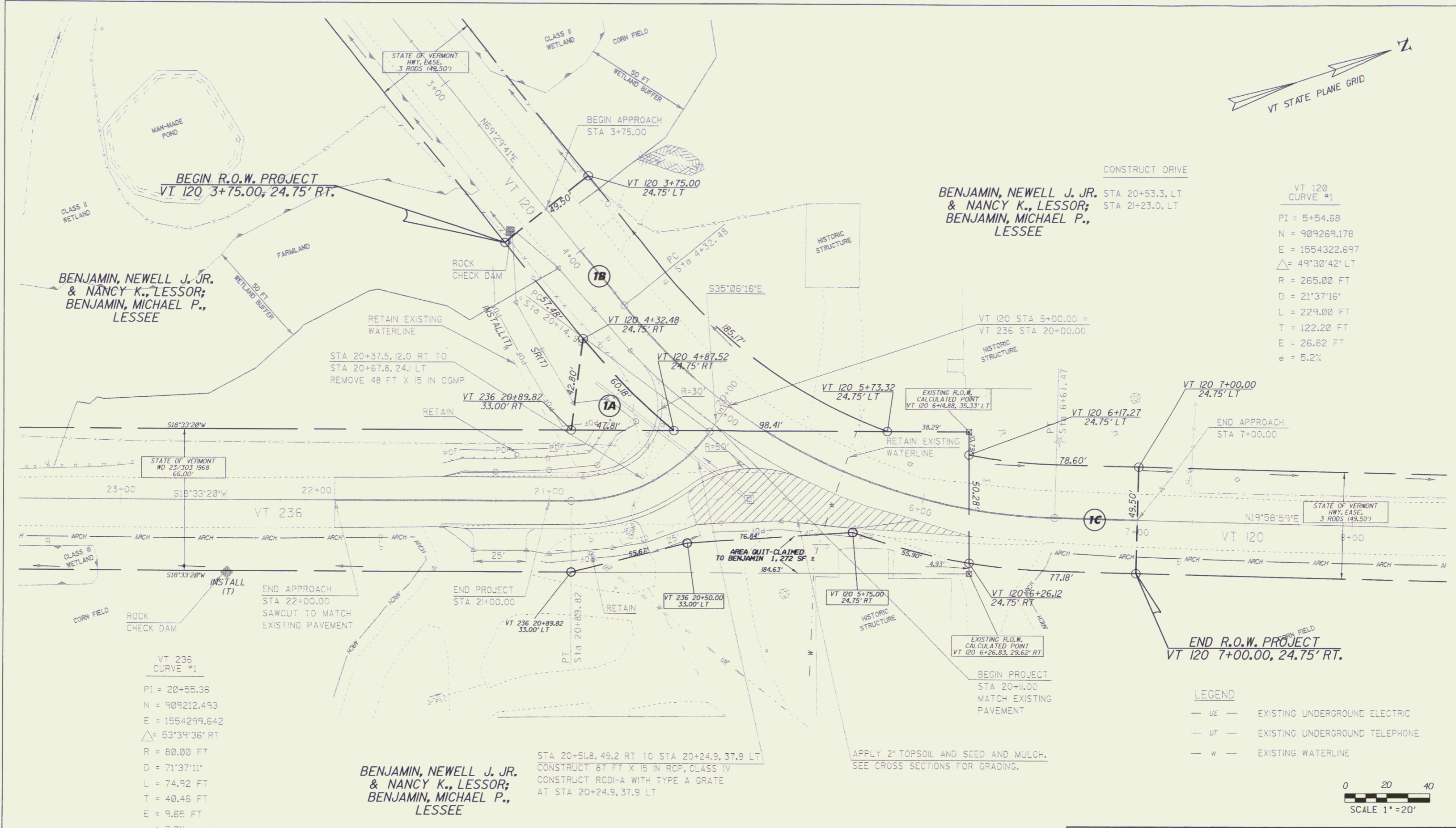
PLAN LEGEND

	EXISTING RIGHT-OF-WAY		TOE OF SLOPE	EC	-EROSION CONTROL
	TAKING WITH ACCESS		TOP OF CUT	(P)	-PERMANENT
	TAKING WITHOUT ACCESS		SLOPE RIGHT	(T)	-TEMPORARY
	CLEAR ZONE		CONSTRUCTION RIGHT	DR	-DRAINAGE RIGHT
	PROPERTY LINE		PROJECT DEMARCATION FENCE	DIT.	-DITCHING RIGHT
				CH	-CHANNEL RIGHT
				DRIVE	-DRIVE RIGHT
				CUL	-CULVERT RIGHT
				C&T	-CLEARING & TRIMMING RIGHT
				SR	-SLOPE RIGHT
				UE	-UTILITY EASEMENT

APPROVED: ROGER P. DUMAS DATE: 09-25-06  
CHIEF, PLANS & TITLES

PROJECT NAME:	FRANKLIN	PLOT DATE:	6/22/06
PROJECT NUMBER:	HES 0313 (4)	DRAWN BY:	JAB
FILE NAME:	04c202.XLS	CHECKED BY:	RMG
PROJECT LEADER:	EGP	SHEET	9 OF 26
DESIGNED BY:	EGP		
R.O.W. SHEET	6 of 7		

PLOT DATE 09/26/06



CONSTRUCT DRIVE

BENJAMIN, NEWELL J. JR. & NANCY K., LESSOR;  
BENJAMIN, MICHAEL P., LESSEE

VT 120  
CURVE #1  
PI = 5+54.68  
N = 909269.176  
E = 1554322.697  
Δ = 49°30'42" LT  
R = 265.00 FT  
D = 21°37'16"  
L = 229.00 FT  
T = 122.20 FT  
E = 26.82 FT  
e = 5.2%

BENJAMIN, NEWELL J. JR. & NANCY K., LESSOR;  
BENJAMIN, MICHAEL P., LESSEE

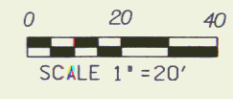
VT 236  
CURVE #1  
PI = 20+55.36  
N = 909212.493  
E = 1554299.642  
Δ = 53°39'36" RT  
R = 80.00 FT  
D = 71°37'11"  
L = 74.92 FT  
T = 40.46 FT  
E = 9.65 FT  
e = 3.0%

BENJAMIN, NEWELL J. JR. & NANCY K., LESSOR;  
BENJAMIN, MICHAEL P., LESSEE

STA 20+51.8, 49.2 RT TO STA 20+24.9, 37.9 LT  
CONSTRUCT 87 FT X 15 IN RCP, CLASS IV  
CONSTRUCT ROD-A WITH TYPE A GRATE  
AT STA 20+24.9, 37.9 LT

ROCK CHECK DAMS  
STA 4+04.4, RT  
STA 22+50.0, LT

LEGEND  
— UE — EXISTING UNDERGROUND ELECTRIC  
— UT — EXISTING UNDERGROUND TELEPHONE  
— W — EXISTING WATERLINE



DATUM  
VERTICAL: NAVD 88  
HORIZONTAL: NAD83

<b>LAYOUT PLAN</b>	PROJECT NAME: FRANKLIN	PLOT DATE: 26-SEP-2006
	PROJECT NUMBER: HES 0313(4)	DRAWN BY: MJF
	FILE NAME:	CHECKED BY: DMB
	PROJECT LEADER: GAMBLE DESIGNED BY: BRC ROW SHEET 7 OF 7 SHEETS	SHEET 10 OF 26

MAR 25 2010

CLASS II WETLAND

FARMLAND

BENJAMIN, NEWELL J. JR.  
& NANCY K., LESSOR;  
BENJAMIN, MICHAEL P., LESSEE

WETLAND BUFFER  
50 FT

ROCK CHECK DAM

MAINTAIN EXISTING WATERLINE

STA 20+37.5, 12.0 RT TO  
STA 20+67.8, 24.1 LT  
REMOVE 48 FT X 15 IN CGMP

MAINTAIN

VT 236 20+89.82  
33.00' RT

1B

1A

VT 120 4+87.52  
24.75' RT

VT 120 5+73.3  
24.75' LT

HISTORIC STRUCTURE

STATE OF VERMONT  
WD 23/303 1968  
66.00'

S18°33'20"W

S18°33'20"W

VT 236

CLASS III WETLAND

CORN FIELD

ROCK CHECK DAM

INSTALL (T)

END APPROACH  
STA 22+00.00  
SAWCUT TO MATCH  
EXISTING PAVEMENT

LIMIT OF WORK  
STA 21+00.00

PROPOSED AREA TO BE EXCHANGED  
WITH BENJAMIN 1,272 SF ±

VT 120 5+75.00  
24.75' RT

HISTORIC STRUCTURE

VT 236  
CURVE #1

PI = 20+55.36  
N = 909212.493  
E = 1554299.642  
 $\Delta = 53^{\circ}39'36''$  RT  
R = 80.00 FT  
D = 71°37'11"  
L = 74.92 FT  
T = 40.46 FT  
E = 9.65 FT  
e = 3.0%

THIS SHEET TO BE USE  
NEGOTIATION PURPOSES

BENJAMIN, NEWELL J. JR.  
& NANCY K., LESSOR;  
BENJAMIN, MICHAEL P., LESSEE

STA 20+51.8, 49.2 RT TO STA 20+24.9, 37.9 LT  
CONSTRUCT 87 FT X 15 IN RCP, CLASS IV  
CONSTRUCT RCDI-A WITH TYPE A GRATE  
AT STA 20+24.9, 37.9 LT

EXCAVAT  
APPLY 2  
SEE CRO

DATUM  
VERTICAL: NAVD 88  
HORIZONTAL: NAD83

ROCK CH  
STA 4+0  
STA 22+