

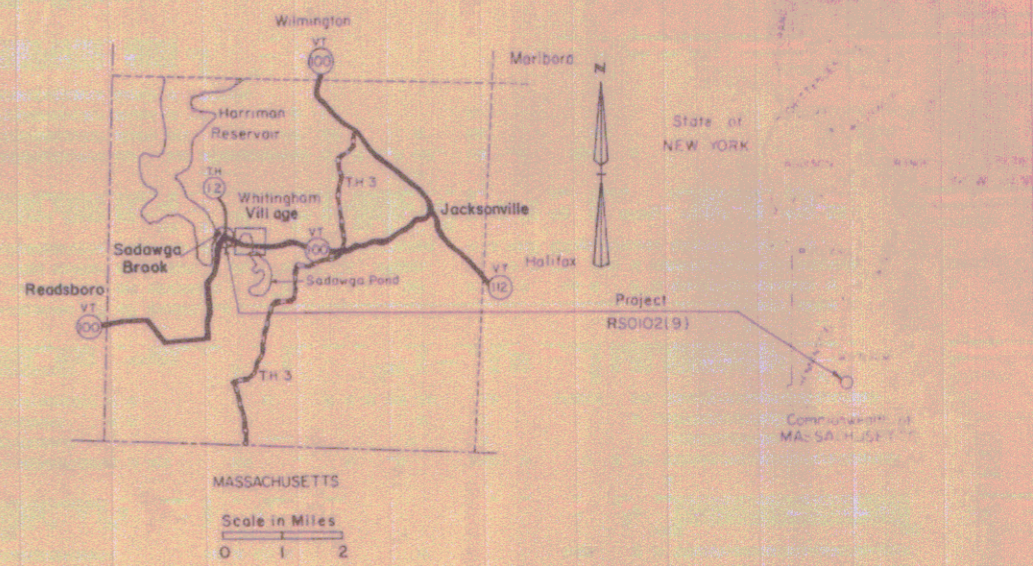
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10. Cross Sections

STATE OF VERMONT
AGENCY OF TRANSPORTATION



PROPOSED IMPROVEMENT
TOWN OF WHITINGHAM
COUNTY OF WINDHAM
VT. RTE. 100 (F.A.S.)



R.O.W. PLANS

Beginning at a point on Vt. Rte. 100 approximately 3.757 miles Easterly from the Readsboro-Whitingham Town Line and extending 0.096 mile Easterly.

Length of Project 0.096 Mile = 505 Feet

PROJECT DESCRIPTION
INSTALLATION OF A 120" CORRUGATED GALVANIZED METAL PLATE PIPE 0.138 GAUGE,
AND REALIGNING EXISTING 12" CURVE TO A 9" 30' CURVE.
LENGTH OF R.O.W. PROJECT 0.175 MILE = 925 FEET

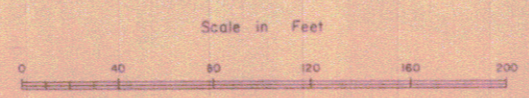
1982 AADT	=	580
1982 DHV	=	79
2002AADT	=	795
2002DHV	=	113
D	=	6.0%
T	=	5%
V	=	40 MPH

BEGIN R.O.W. PROJECT
RS 0102(9) STA. 195+75 C
MP 3.71

END R.O.W. PROJECT
RS 0102(9) STA. 205+00 C
MP 3.88

- CONVENTIONAL SIGNS
- COUNTY LINE
 - TOWN LINE
 - LIMITS OF ACCESS
 - POINT OF ACCESS
 - FENCE LINE
 - 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
 - SLOPE RIGHTS
 - TOP OF CUT
 - TOE OF SLOPE

DATUM
VERTICAL: NAVD 1929
HORIZONTAL: N/A



PROJECT PROCESSED UNDER
SECONDARY ROAD PLAN
77B040

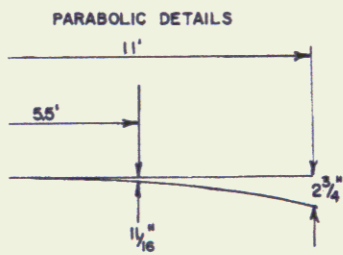
These plans are subject to such engineering changes as may be required by the Federal Highway Administration or the Director of Engineering & Construction. Certain changes may be required by the State of Vermont and the Regional Office of the Department of Transportation. The State of Vermont and the Regional Office of the Department of Transportation are not responsible for any errors or omissions in these plans. The contractor shall be responsible for verifying all data and conditions shown on these plans.

APPROVED: *[Signature]*
CHIEF, PROPERTY ADMINISTRATION
DATE: **3-5-82**

[Signature]
Director of Engineering and Construction

RS 0102(9)
SHEET 1 OF 6

TYPICAL SECTIONS



4 1/2" Bituminous Concrete Pavement, item 406.25 (± 1/4")
(3-1 1/2" Courses)

Permissible tolerances in parenthesis apply to thickness only.

24" Subbase of Gravel item 301.15 (± 1")

Shoulders: 4 1/2" Shoulder Gravel item 402.10

0'-12" Granular Borrow (in fill), item 203.32

0'-24" Sand Borrow (in cut), item 203.31

Granular and Sand to be placed as noted on plans, or as directed by the Engineer.

GENERAL NOTES

For rounding of slopes, see standard sheet B-5.

Fertilizer, item 651.15, shall be mixed as follows:

Nitrogen 10 %
Phosphorus 20 % (20% for sandy soil)
Potash 10 %

Fertilizer shall be delivered in bags of not to exceed 100 pounds each and is to be applied at the rate of 500 pounds per acre.

Agricultural Limestone, item 651.20, to be applied to all earth slopes at the rate of two tons per acre or as directed by the Engineer.

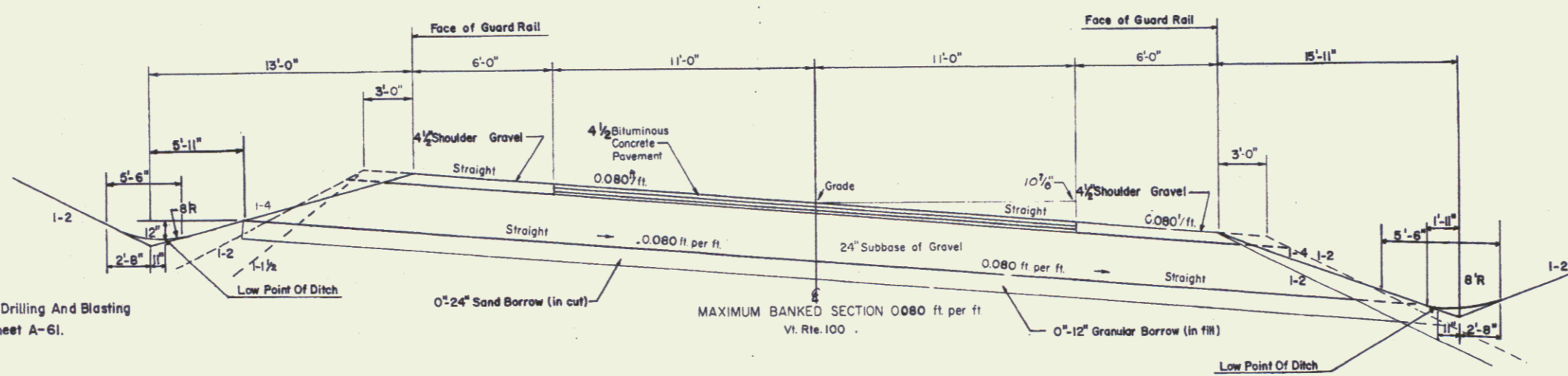
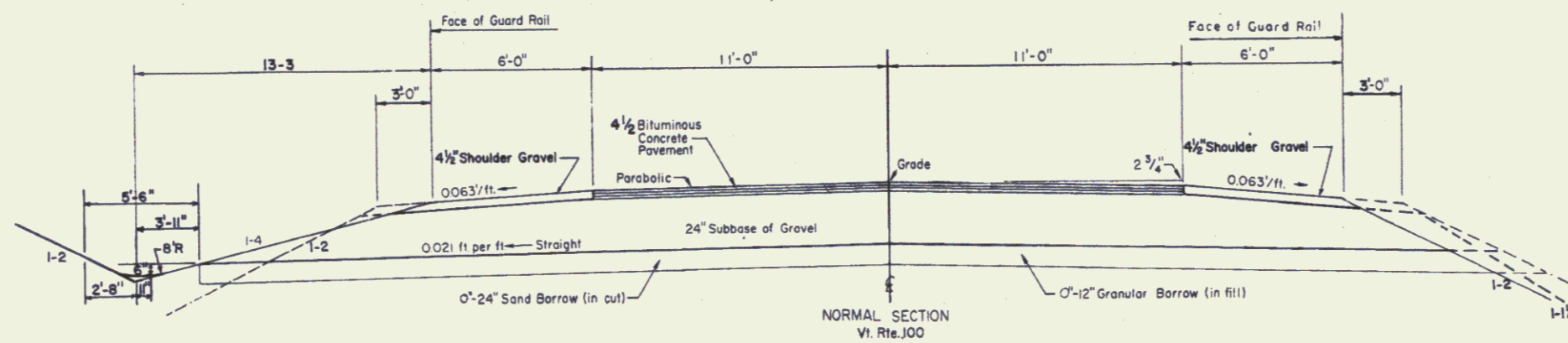
Hay Mulch, item 651.25, to be placed on all earth slopes at the rate of two tons per acre.

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

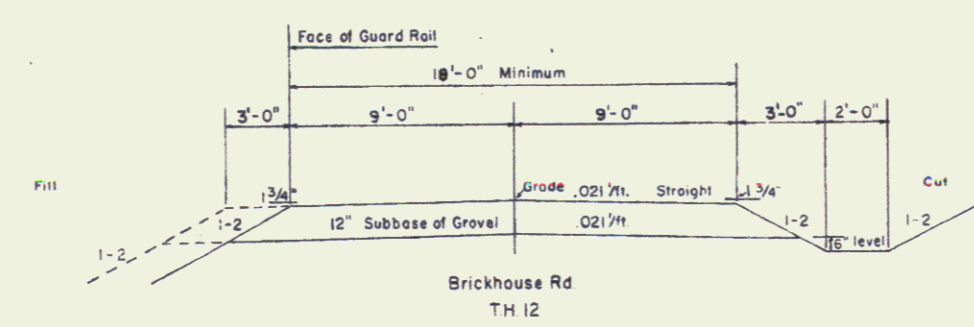
MARKER POSTS TO BE PLACED AS DIRECTED BY THE ENGINEER

SEED, ITEM 651.10				
TO BE APPLIED AS DIRECTED BY THE ENGINEER				
% WT	LBS/A	NAME	PUR %	GERM
3.33	2	CROWN VETCH	97	75
50.00	30	CREeping RED FESCUE	98	85
8.33	5	TIMOTHY	99	85
16.67	10	PERENNIAL RYE GRASS (VAR. PENNINE)	95	85
8.34	5	ALFALFA (VAR. SARANAC)	99	85
8.33	5	BIRDSPOOT TREFLOL (VAR. EMPIRE)	98	85
3.00	3	HIGHLAND BENT GRASS	92	85
100.00	60 LBS/ACRE			

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



For Slopes in Solid Rock Excavation And Drilling And Blasting Of Solid Rock Subgrade, See Standard Sheet A-61.



Note: 1 on 1/2 slopes may be used in critical areas

Rod S. 12-11-78
Whitingham
RS 0102(9)
SHEET 2 OF 6

STATE OF VERMONT
AGENCY OF TRANSPORTATION
RIGHT-OF-WAY PLANS
DETAIL SHEET

TABLE OF PROJECT PROPERTY ACQUISITION

PARCEL NO.	GRANTOR	SHEET NO.	BEGINNING STATION	ENDING STATION	TAKING	REM.	RIGHTS	TITLE TAKEN	DATE	TOWN OR CITY RECORDED	BK.	PG.	REMARKS
1A	NEW ENGLAND POWER COMPANY	4,5	REV. 195+90 LI. REV. 196+18 LI.	REV. 198+58 LI. REV. 198+47 LI.			CONST. EASE. (T) (0.08 Ac.) SLOPE (T) (0.08 Ac.)			WHITINGHAM			(2490 S.F.) (2480 S.F.)
1B			REV. 200+45 LI.	REV. 201+67 LI.			INSTALL & MAINTAIN (P) (0.13 Ac.)						TO ENTER UPON FLOWAGE RTS. AREA TO INSTALL CULVERT, WING WALLS & CHANNEL STONE FILL.
2A	TOWN OF WHITINGHAM	4,5	REV. 198+33 LI. REV. 198+40 LI. REV. 198+58 LI. REV. 200+35 LI. REV. 198+65 LI.	REV. 201+67 LI. REV. 200+80 LI. REV. 200+80 LI. REV. 201+08 LI. REV. 198+70 LI.	0.14 Ac.		SLOPE (P) (0.12 Ac.) CONST. EASE. (T) (0.05 Ac.) CHANNEL (P) (0.10 Ac.) CUL., DT. & DR. (P)	W.D.G.E.	7-18-83	WHITINGHAM	68	365	DONATION - NO APPRAISAL REQUIRED (1811 S.F.)
2B			REV. 200+85 RT. REV. 197+80 RT. REV. 200+35 RT.	REV. 205+00 RT. REV. 200+95 RT.	0.55 Ac.		CONST. EASE. (T) (0.09 Ac.) DRIVE (T)						(2090 S.F.) 40' GRAVEL, WP 3.811 PERMIT DATE
2C			REV. 201+67 LI.				APPROACH (T)						TH. 12
2D			REV. 197+80 RT.	205+00 RT.	0.80 Ac.		ALL R. T. & I.						VI RTE. 100
			TOTAL		1.49 Ac.								
3	VILLAGE OF JACKSONVILLE ELECTRIC CO.												UTILITY
4	NEW ENGLAND TELEPHONE & TELEGRAPH CO.												UTILITY
5	AREA TELEGRAPH OF WILMINGTON												UTILITY

TABLE OF REVISIONS

REVISION NO.	SHEET NO.	DESCRIPTION OF REVISION	DATE	MADE BY	APPROVED BY
1	4	Parcel #2, Town of Whitingham, added. Shows location of treatment plant and drives for future per CD 5276	3-12-82	SJM	T.P.M.
2	3	Parcel #1 New England Power Co. Added. Note to install & maintain (P) per C.O. # 5409	8-23-82	DEM	T.P.M.
3	3	Parcel #2, Town of Whitingham, moved 208 AC from rts. column to take column and adjust total take per CD 5515	8-25-82	SJM	T.P.M.
4	3,4	Parcel #2 Town of Whitingham, added. Drive rt. at sta. 200+35 RT. combined const. ease into one. per CD 5518	8-26-82	SJM	T.P.M.

MADE BY: B.A.M. DATE 2/25/82
CHECKED BY: J.D.P. DATE 2/25/82

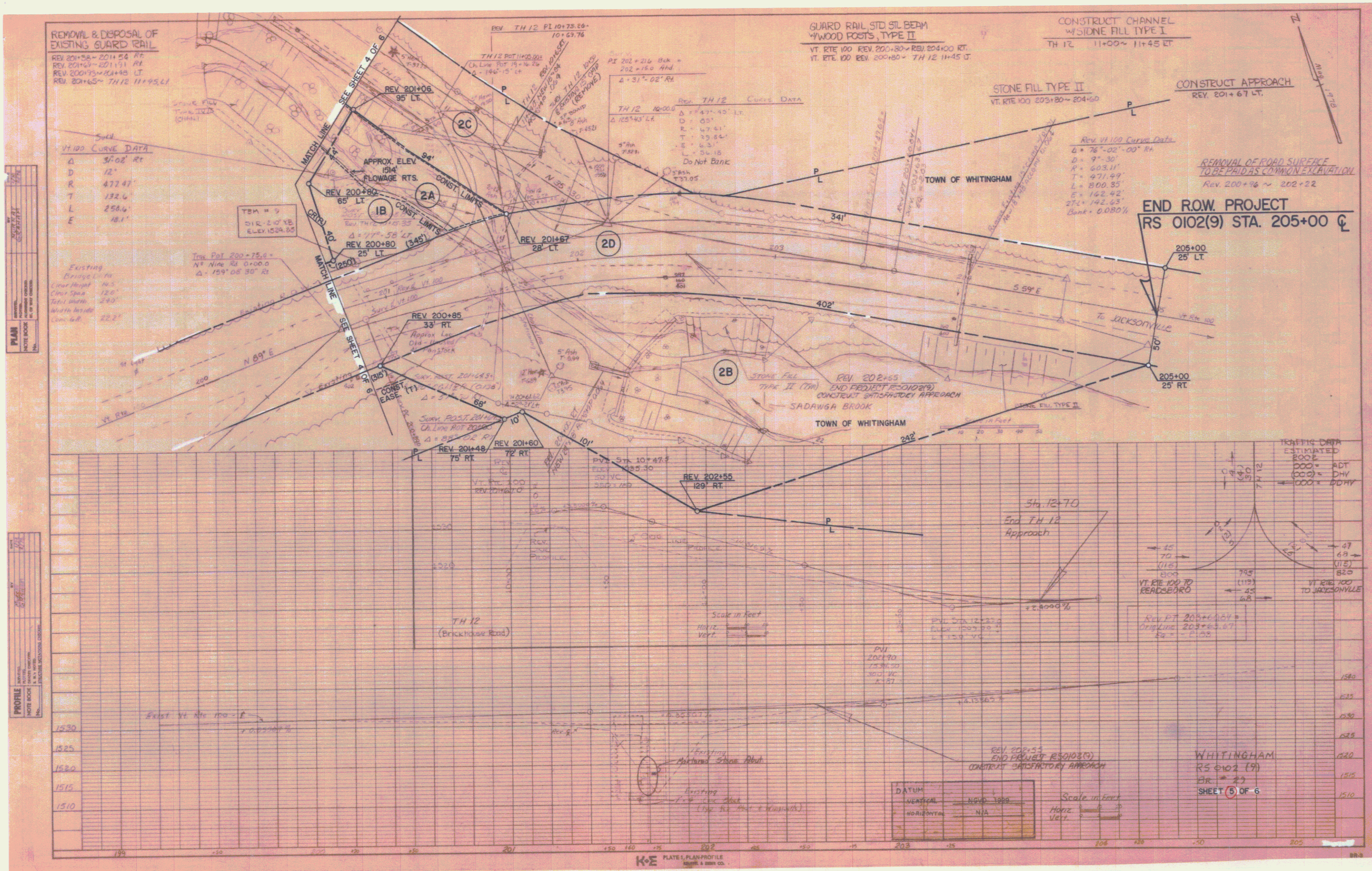
DR. RT. - DRAINAGE RIGHT
DT. RT. - DITCHING RIGHT
CH. RT. - CHANNEL RIGHT
DRIVE RT. - DRIVE RIGHT
CUL. RT. - CULVERT RIGHT
⊙ - DEMOLITION OR REMOVAL
W - WATER SOURCES

PRESENT R.O.W.
- - - - - TAKING WITHOUT ACCESS
- - - P - - - TAKING WITHOUT ACCESS ALONG PROPERTY LINES
- - - L - - - TAKING WITH ACCESS
(P) PERMANENT EASEMENT
(T) TEMPORARY EASEMENT

LEGEND
- - - - - CONST. EASE - - - - - CONST. EASEMENT
SR - SR - SLOPE RIGHTS
P - P - PROPERTY LINE
- Δ - Δ - Δ - TOP OF CUT
- O - O - O - TOE OF SLOPE

APPROVED Thomas P. Mayo DATE 3-5-82
CHIEF OF PLANS & TITLES

PROJECT WHITINGHAM
NO. RS 0102 (9)
SHEET 3 OF 6



REMOVAL & DISPOSAL OF EXISTING GUARD RAIL
 REV 201+54 ~ 201+54 RT
 REV 201+54 ~ 201+54 RL
 REV 200+75 ~ 201+49 LT
 REV 201+65 ~ TH 12 11+45 LT

VT 100 CURVE DATA
 Δ = 57°02' RT
 D = 12'
 R = 477.47'
 T = 132.6'
 L = 258.6'
 E = 18.1'

Existing Bridge
 Clear Height 14.5'
 Clear Span 12.0'
 Total Span 29.0'
 Width Inside Lane 6.8'
 22.2'

Trav. Pat 200-75.9
 N 7° 19' 48" E
 Δ = 159° 08' 30" RT

GUARD RAIL STD SIL BEAM
 W/ WOOD POSTS, TYPE II
 VT. RTE 100 REV 200+80 ~ REV 204+00 RT.
 VT. RTE 100 REV 200+80 ~ TH 12 11+45 LT

CONSTRUCT CHANNEL
 W/ STONE FILL TYPE I
 TH 12 11+00 ~ 11+45 LT

STONE FILL TYPE II
 VT. RTE 100 203+80 ~ 204+60

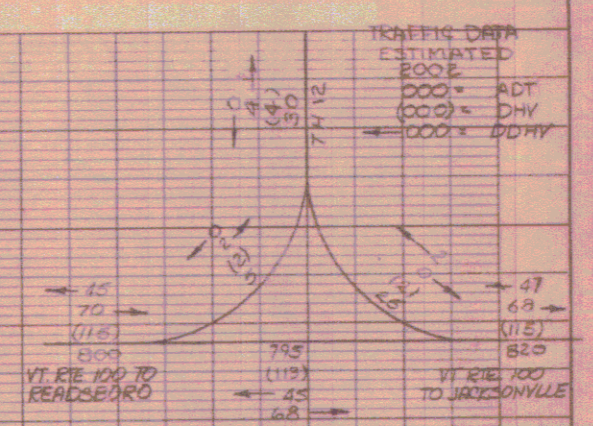
CONSTRUCT APPROACH
 REV. 201+67 LT.

REMOVAL OF ROAD SURFACE
 TO BE PAID AS COMMON EXCAVATION
 REV. 200+76 ~ 202+22

END R.O.W. PROJECT
 RS 0102(9) STA. 205+00 CL

PLAN
 NOTE BOOK
 ALL IN THIS SHEET

PROFILE
 NOTE BOOK
 ALL IN THIS SHEET



TRAFFIC DATA
 ESTIMATED
 8000 = ADT
 1000 = DMV
 1000 = DDHV

REV. PT 203+66.67
 Original 203+53.67
 Δ = 12.99'

WHITINGHAM
 RS 0102 (9)
 BR # 23
 SHEET 5 OF 6

PLATE 1, PLAN/PROFILE
 SCALE 1" = 40'