

VT 116

INDEX OF SHEETS

- 1. Title Sheet
 - 2. Typical Sheet
 - 3. Quantity & Drainage Sheet
 - 4. Earthworks Sheet
 - 5. Blank
 - 6-8. R.O.W. Details & Layout Sheets
 - 9-10. Layout Sheets
 - 11. Profile Sheet
 - 12. Br-100 Series
 - 13-15. Blank
- Roadway Standards
- 16. B-1 Banking Tables 12/8/71
 - 17. B-5 Typical Slope Rounding 12/6/71
 - 18. D-2 Underdrain & Carrier Pipe 12/16/76 R.
 - 19. D-3 Treated Gutters 4/21/73 R.
 - 20. D-4 Metal End Sections 7/24/75 R.
 - 21. D-20 Highway Utility Crossings 7/9/75 R.
 - 22. E-2 Road Construction Approach Signs 3/4/81 R.
 - 23. E-6 On Project Construction Signs 4/1/80 R.
 - 24. E-7 Delineation & Barricades for Const. Areas 2/2/83 R.
 - 25. E-7a Type III Barricade Breakaway 4/8/82 R.
 - 26. G-1 Guard Rail, Std. Steel Beam w/ Wood Posts, Type II 12/16/80 R.
 - 27. G-4 Guard Rail, Std. Steel Beam w/ Wood Posts, Type II 12/16/80 R.
 - 28. G-4 Wood Marker Posts 5/25/82 R.
 - 29. G-14 Breakaway Cable Terminal 8/12/81 R.
 - 30. U-1 Boundary Markers 6/27/80
 - 31. T-2 Temporary Erosion Control Details 12/7/76 R.
 - 32. T-2 Temporary Erosion Control Details 7/5/72
 - 33-38. Blank
 - 39-45. Mainline Cross Sections
 - 46-48. Channel "A" Sections
 - 49-50. Channel "B" Sections

RECORD PLANS & MATERIAL SUPPLIERS

CONTRACTOR - CHAMPLAIN CONST., INC. BIRCHARD PARK MIDDLEBURY, VT. CONTRACT DATED - 3-1-84
 CONSTRUCTION BEGAN - 5-9-84 CONSTRUCTION COMPLETED - 8-31-84 ACCEPTED - 9-11-84
 RESIDENT ENGINEER - EUGENE A. ORVIS RECORD PLANS - GEORGE J. ABRAIR
 EARTH, GRANULAR, SAND BORROW & SUBBASE OF GRAVEL - DANYOW FIT MIDDLEBURY, VT.
 PLANT MIX BASE COURSE & BITUMINOUS CONCRETE PAVEMENT - PIKE INDUSTRIES INC., NEW HAVEN, VT.
 CONCRETE CLASS "B" - JOSEPH R. CARRARA & SONS, INC. EAST MIDDLEBURY, VT.
 REINFORCING STEEL - AUBURN STEEL AUBURN, NY METAL PIPE - LANE METAL PRODUCTS BALLSTON SPA, NY
 BOUNDARY MARKERS GUARD RAIL - LAFAYETTE & SHELDON INC., KELLOOGRI, ESSEX CT, VT.
 SEED, FERTILIZER & LIME - OLD FOX CHEMICAL INC. BRANDON, VT.

NOTE: ANY OTHER INFORMATION CONCERNING FINAL QUANTITIES, CHANGES OR OTHER DETAILS RELATIVE TO THIS PROJECT SHALL BE OBTAINED BY EITHER THE FIELD ENGINEER OR THE DISTRICT ENGINEER.

STATE OF VERMONT
 AGENCY OF TRANSPORTATION



PROPOSED IMPROVEMENT
 TOWN OF MIDDLEBURY
 COUNTY OF ADDISON
 VERMONT RTE. 116 (EAP)

IN THE TOWN OF MIDDLEBURY, BEGINNING AT A POINT ON VT. ROUTE 116 WHICH IS 2.218 MILES NORTHERLY OF THE JUNCTION OF VT. ROUTE 116 AND VT. ROUTE 125 AND EXTENDING NORTHERLY FOR 0.085 MILES

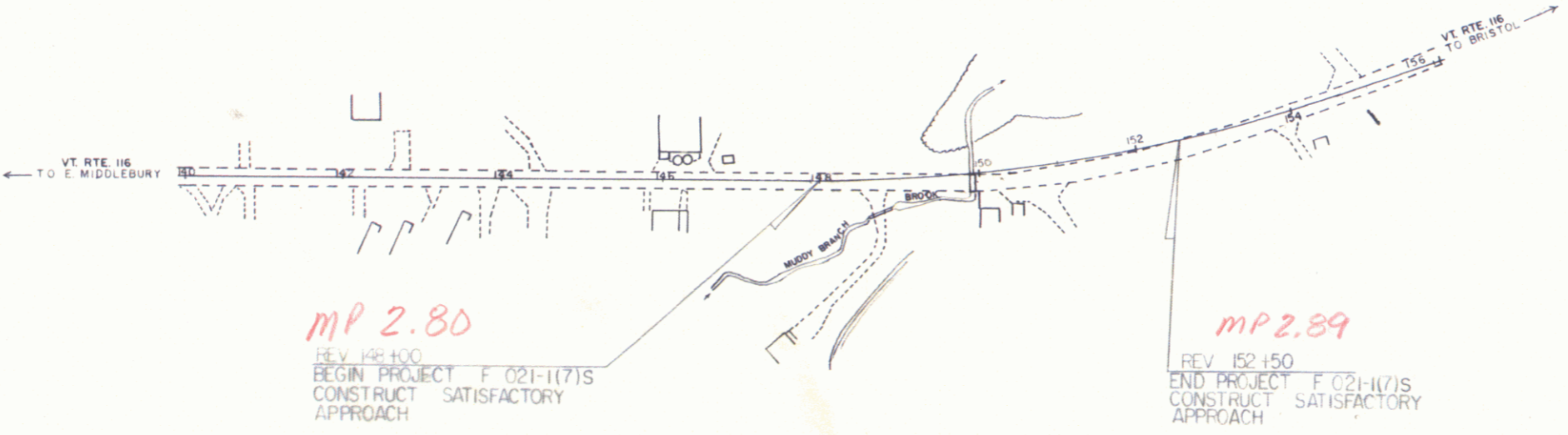
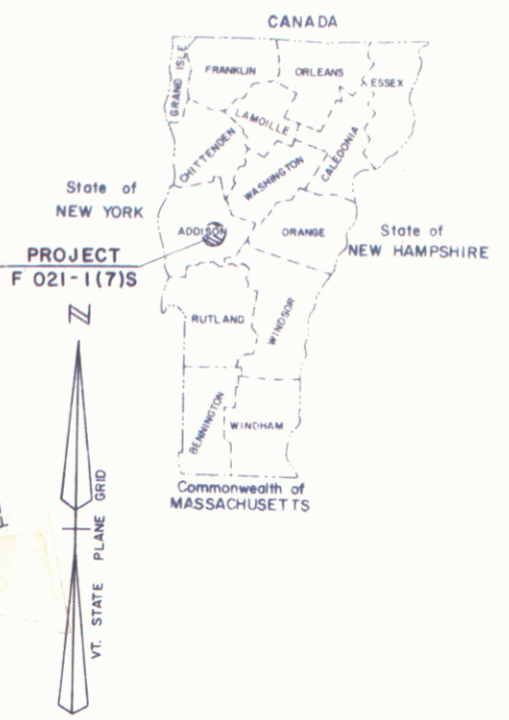
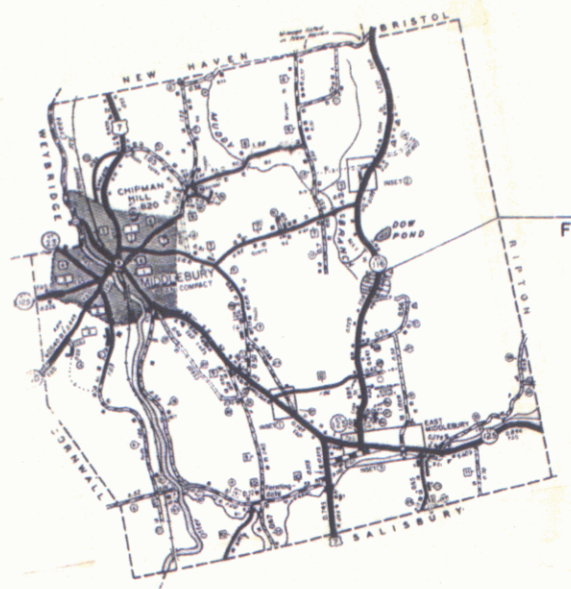
PROJECT DESCRIPTION

PROJECT WORK CONSISTS OF GRADING, DRAINAGE, SUBBASE AND PAVEMENT FOR A STATE HIGHWAY ON IMPROVED VERTICAL AND HORIZONTAL ALIGNMENT.

LENGTH OF ROADWAY	450.00 Feet	0.085 Miles
LENGTH OF BRIDGE	0.00 Feet	0.00 Miles
LENGTH OF PROJECT	450.00 Feet	0.085 Miles

TRAFFIC DATA

EST. 1983 ADT	1980
EST. 2003 ADT	2710
EST. 2003 DHV	380
D	59%
T	14%
V	50 MPH



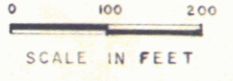
Pin # 76E093
 Date: 02/02/1982

M

- 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	NGVD 1929
HORIZONTAL	N/A



These plans are subject to such engineering changes as may be required by the Federal Highway Administration or the Director of Engineering and Construction.
 Construction is to be carried on in accordance with these plans and the Standard Specifications for Highway and Bridge Construction dated March, 1976, as approved by the Federal Highway Administration on October 27, 1976 for use on this project, including all subsequent revisions and such revised specifications and special provisions as are incorporated in these plans.

PROJECT PROCESSED UNDER
 SECONDARY ROAD PLAN

SUBMITTED BY ORDER OF THE STATE TRANSPORTATION BOARD

APPROVED: *S.J.G. PE* DATE: 02-02-82
 DIRECTOR OF ENGINEERING AND CONSTRUCTION

DEPARTMENT OF TRANSPORTATION
 FEDERAL HIGHWAY ADMINISTRATION

APPROVED: _____ DATE: _____
 DIVISION ADMINISTRATOR

PROJECT: **F** NR 021-1(7)S

SHEET 1 OF 50 SHEETS

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	BAGLEY, BURNHAN A. & GLEO M.	4,5	146+28 RT.					WD	10-21-82	MIDDLEBURY	99	415	DRIVE 9' GRAVEL N.P. 02.14 DRIVE PERMIT DATE 3250 SF± 900 SF±			
			REV. 146+72 RT. REV. 148+00 RT.	REV. 148+53 RT. REV. 148+54 RT.				SLOPE (T) (0.07A±) CONST. EASE (T) (0.02A±)								
1B			REV. 147+88 LT. 146+50 LT.	REV. 154+50 LT.	0.38 A±								60' GRAVEL N.P. 02.15 DRIVE PERMIT DATE			
			147+70 LT. REV. 148+04 LT.	REV. 148+00 LT. REV. 150+78 LT.				SLOPE (T) (30SF±) CONST. EASE (T) (0.10A±)								
			REV. 148+82 LT. REV. 149+89 LT.	REV. 150+05 LT. REV. 149+98 LT.				CHANNEL (P) (0.05A±) CHANNEL (P) (80SF±)							2200 SF±	
			REV. 151+28 LT. REV. 151+63 LT.	REV. 154+00 LT.				DRAINAGE (P) CONST. EASE (T) (0.04A±)							1700 SF±	
2A	TOWN OF MIDDLEBURY	4,5	REV. 148+52 RT. REV. 148+83 RT. REV. 148+96 RT.	REV. 150+61 RT. REV. 150+53 RT.	0.02 A±			WD	7-14-85	MIDDLEBURY	102	212	2530 SF± 1050 SF± 14' PAVED N.P. 02.20 DRIVE PERMIT DATE CHAIN LINK FENCE CHAIN LINK GATE CHAIN LINK FENCE WATER MAIN			
			REV. 148+82 RT. REV. 149+99 RT. REV. 148+54 RT. REV. 148+65 RT. REV. 148+92 RT. REV. 148+55 RT. REV. 150+54 RT.	REV. 150+00 RT. REV. 150+26 RT. REV. 148+85 RT. REV. 148+92 RT. REV. 150+00 RT. REV. 148+61 RT. REV. 150+04 RT.			CHANNEL (P) (175 SF±) CULVERT (T) DRIVE (T)									
2B			REV. 147+88 LT. 146+00 LT.	REV. 154+38 LT. REV. 154+18 LT.									ALL R.T. & I WATERLINE EASEMENT WATER MAIN			
3	TOWN OF MIDDLEBURY												UTILITY			
4	CENTRAL VERMONT PUBLIC SERVICE CORP.												UTILITY			
5	NEW ENGLAND TELEPHONE & TELEGRAPH CO.												UTILITY			

TABLE OF REVISIONS

REVISION NO.	SHEET NO.	DESCRIPTION OF REVISION	DATE	MADE BY	APPROVED BY
1	3,4	Parcel #1 Bagley, Moved Drive (T) in Parcel 1A from rights column to remarks column. In parcel 1B added (P) to Chan. Re. at Rev. 148+82 Lt. - Rev. 150+05 Lt. Added Drive Re. (T) to layout sheet at 146+50 Lt. Per C.O. # 5347	4-26-82	MWJ	T.P.M.
2	4,5	Parcel #1+2, Connected water line location PER C.O. # 5510	8-24-82	DEPM	T.P.M.
3	4,5	Added offsets AT STA. 146+00 & REV. 154+50 & EFFECTED RUNNING DISTANCES PER C.O. # 5722	1-26-83	DEPM	R.L.S.

MADE BY: R.L.S. DATE 2/2/82
CHECKED BY: J.D.P. DATE 2/2/82

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

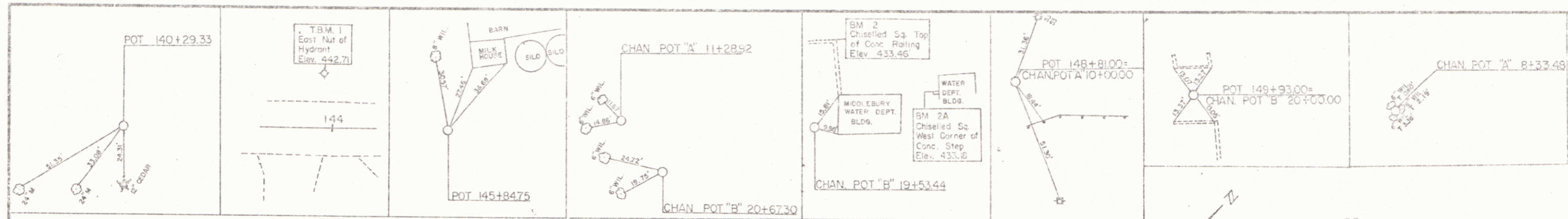
PRESENT R.O.W.
--- TAKING WITHOUT ACCESS
--- P --- TAKING WITHOUT ACCESS ALONG PROPERTY LINES
--- TAKING WITH ACCESS
(P) PERMANENT EASEMENT
(T) TEMPORARY EASEMENT

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

APPROVED *Thomas P. Mayne* DATE 2-2-82
CHIEF OF PLANS & TITLES

ROW. PLANS

PROJECT MIDDLEBURY
NO. F 021-1(7)S
SHEET 6 OF 50



SCARIFYING EXISTING PAVEMENT
ITEM 212.20
147175 - 150+75

REMOVAL AND DISPOSAL OF
EXISTING PAVEMENT VIA
ITEM 203.15
146+00-147+75

NOTE: All removed bituminous
material is to be salvaged and is
to be stockpiled at the District
5 maintenance yard on Creek Rd
in Middlebury.

BEGIN R.O.W. PROJECT
F 021-1(7)S STA. 146+00 CL

REMOVAL AND DISPOSAL OF
EXISTING GUARDRAIL ITEM 202.40

RIGHT
146+166 - 149+56
150+00 - 150+25
LEFT
149+35 - 149+85
150+00 - 150+50

CONSTRUCT DRIVES
146+28 RT 1' 9" Wide
146+50 LT 1' 0" Wide
REV 146+56 RT (Paved, 14' Wide)

GUARDRAIL, STANDARD STEEL BEAM
WITH WOOD POSTS TYPE II ITEM 621.25

RIGHT
147+125 - REV 146+197
REV 149+38 - REV 150+472
LEFT
REV 146+00 - REV 150+472

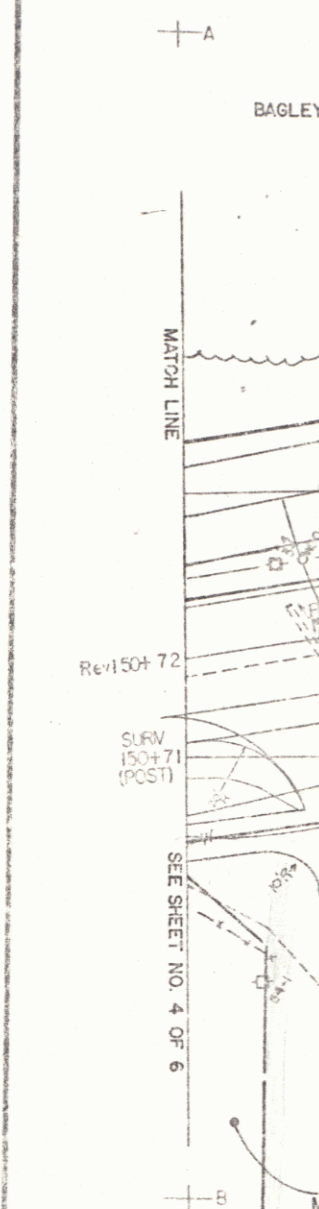
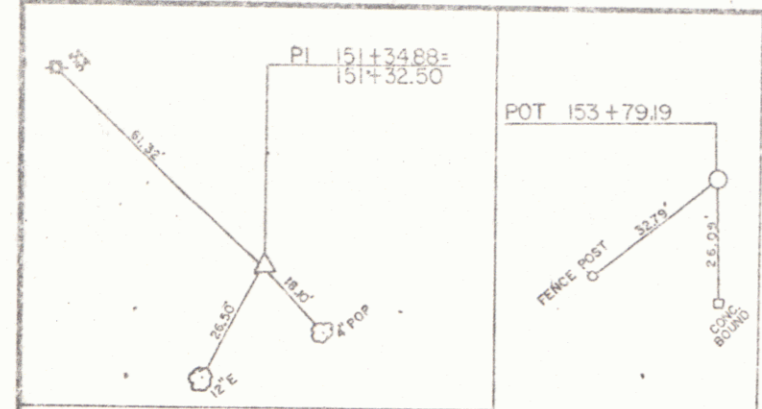
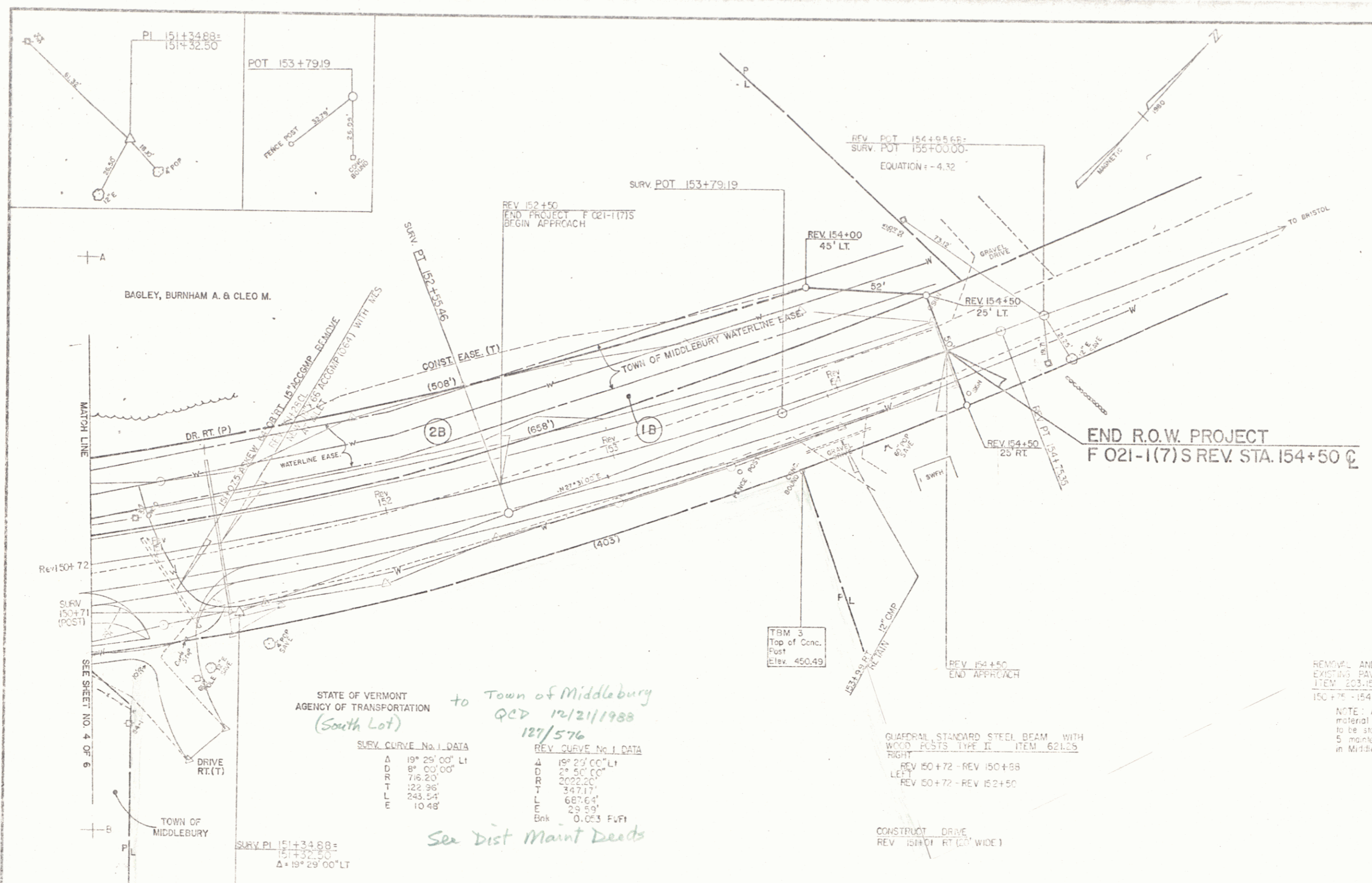
STONE FILL TYPE II ITEM 613.11
CHAN LINE A
9+40 RT - 94.70 RT
10+25 LT - 101.47 LT

UNCLASSIFIED CHANNEL
EXCAVATION ITEM 213.27

CHAN LINE A
9440 RT - 9456 RT
10140 LT - 11452 LT

DATUM
VERTICAL: NGVD 1929
HORIZONTAL: N/A

MAY 23 1985
SURVEYED BY: MURPHY DATE: 10/13/84
DRAWN BY: HEDGECOCK DATE: 10/13/84
CHECKED BY: TROJAN DATE: 07/15/85
MIDDLEBURY
PROJ. F NO. 021-1(7)S
SHEET 4 OF 6



STATE OF VERMONT
 AGENCY OF TRANSPORTATION
 (South Lot) to Town of Middlebury
 QCD 12/21/1988
 127/576

SWEY CURVE No. 1 DATA		REV. CURVE No. 1 DATA	
Δ	19° 29' 00" LT	Δ	18° 29' 00" LT
D	8' 00' 00"	D	2' 50' 00"
R	716.20'	R	2022.20'
T	23.36'	T	27.77'
L	243.54'	L	627.64'
E	10.48'	E	29.89'
		Bank	0.053 FVFI

See Dist Maint Deeds

SURV. PI 151+34.88 =
 151+32.50
 Δ = 19° 29' 00" LT

REV. PI 151+34.88 =
 151+26.15

CONSTRUCT SPECIAL DITCHING COMMON EXCAVATION (ITEM 201.15)
 REV 151+26.15 - REV 151+72

TBM 3
 Top of Conc.
 Post
 Elev. 450.49

QUADRAL STANDARD STEEL BEAM WITH
 WOOD POSTS TYPE II ITEM 621.25
 RIGHT
 REV 150+72 - REV 150+88
 LEFT
 REV 150+72 - REV 152+50

CONSTRUCT DRIVE
 REV 151+01 RT (60' WIDE)

END R.O.W. PROJECT
 F 021-1(7)S REV. STA. 154+50

REMOVAL AND DISPOSAL OF
 EXISTING PAVEMENT VIA
 ITEM 203.15
 150+72 - 154+50
 NOTE: All removed bituminous
 material is to be salvaged and is
 to be stockpiled at the District
 5 maintenance yard on Creek Rd.
 in Middlebury.

DATUM
 VERTICAL NGVD 1929
 HORIZONTAL N.A.

SCALE IN FEET

MAY 23 1985

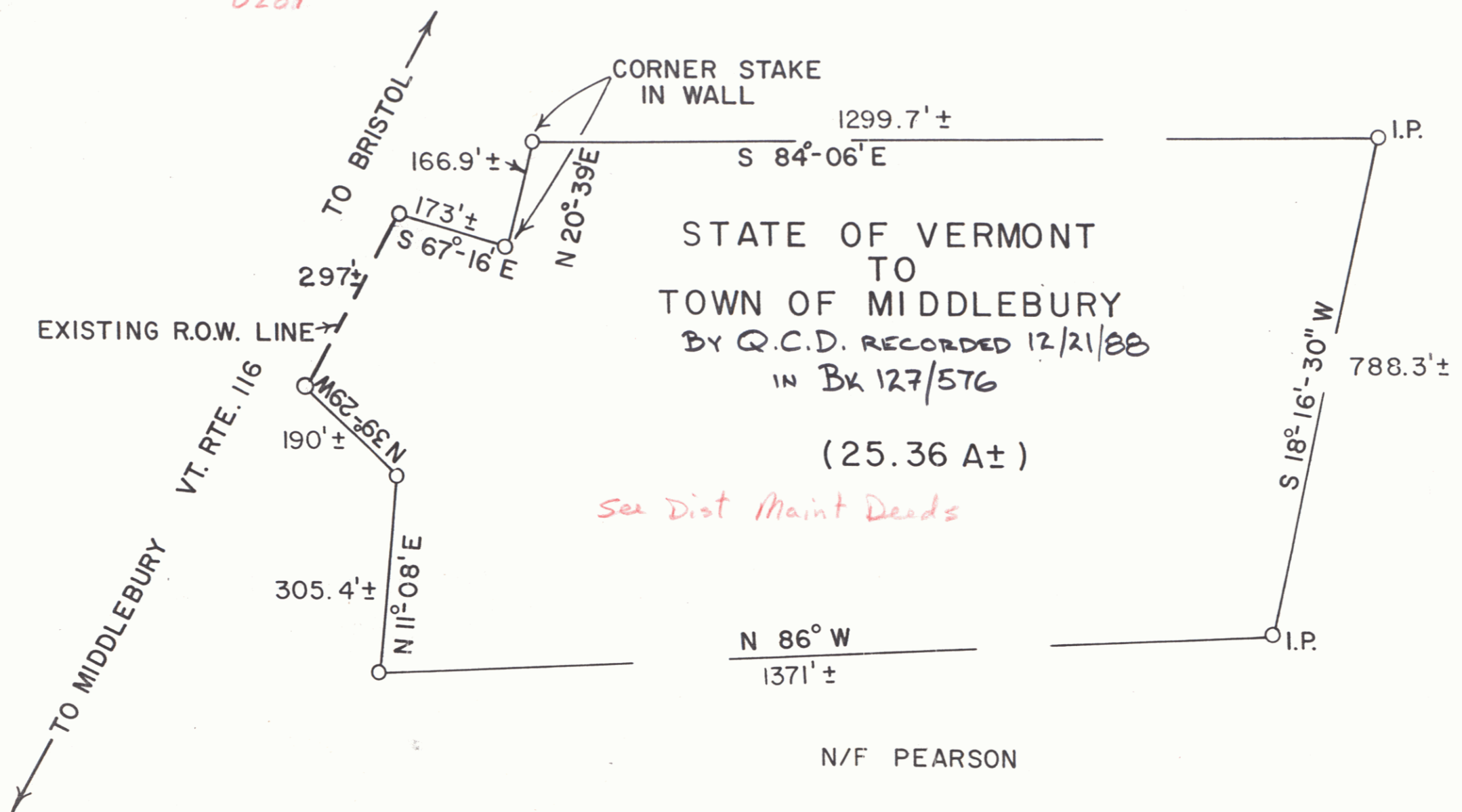
SURVEYED BY MOSEAU DATE 12/80
 DRAWN BY MOSEAU DATE MAY 85
 TRACED BY J. J. G. DATE 5/85
 MIDDLEBURY
 PROJ. F 021-1(7)S
 SHEET 5 OF 6

4

BEING PART OF THE SAME LAND
 CONVEYED TO THE STATE OF
 VERMONT BY WARRANTY DEED
 FROM ROY W. & CARRIE A. PALMER
 DATED 6-13-41 AND RECORDED
 IN BOOK 47, PAGE 294 OF THE
 MIDDLEBURY LAND RECORDS.

APPROXIMATE M.P. 0350
 0289

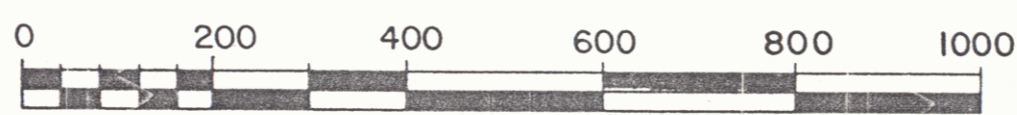
N/F DWIRE



STATE OF VERMONT
 TO
 TOWN OF MIDDLEBURY
 BY Q.C.D. RECORDED 12/21/88
 IN BK 127/576
 (25.36 A±)

See Dist Maint Deeds

RIGHT-OF-WAY DIVISION
 TOWN FILE
 PERPETUAL
 Town of _____
 (To Be Returned To R.O.W. Division)



STATE OF VERMONT
 AGENCY OF TRANSPORTATION

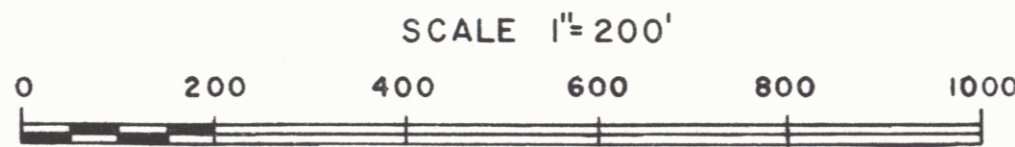
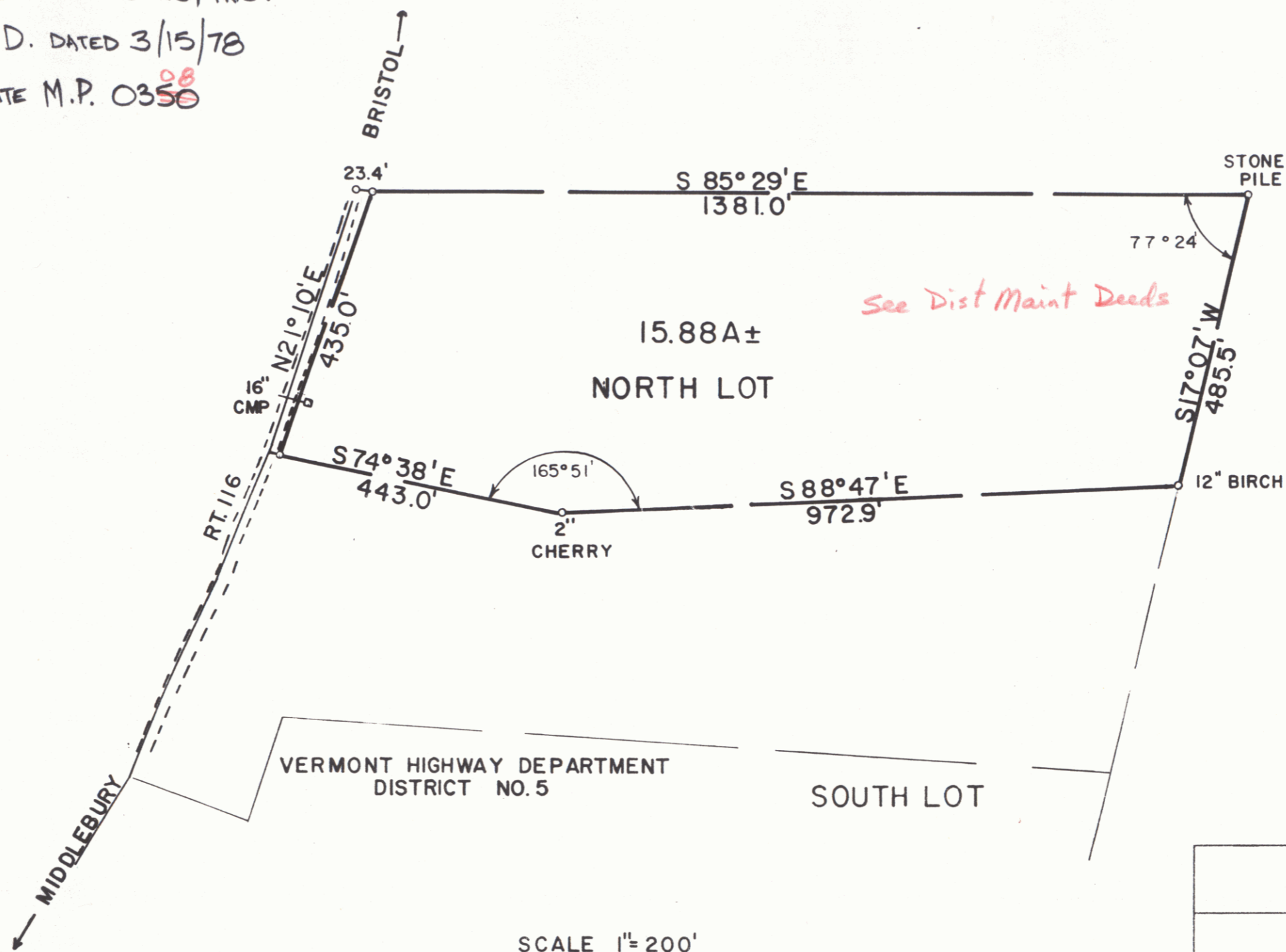
TOWN OF MIDDLEBURY

SHEET 5A

APPROX. SCALE 1"=200' DATE 2-8-88 DRAWN BY M.J.R.

ACQUIRED FROM ROY W. PALMER & CARRIE A. PALMER
BY WD DATED 6-13-41 & RECORDED IN BK. 47 PG. 249

STATE OF VERMONT TO
J.P. CARRARA AND SONS, INC.
BY Q.C.D. DATED 3/15/78
APPROXIMATE M.P. 0350⁰⁸



MAINTANCE AREA ^{VT 116}
STATE OF VERMONT
DEPT. OF HIGHWAYS
TOWN OF MIDDLEBURY
PROJECT ROW 16-1977
APPROX. SCALE 1"=200' DATE 2-21-78 DRAWN BY FJM
SHEET 3B
21 6