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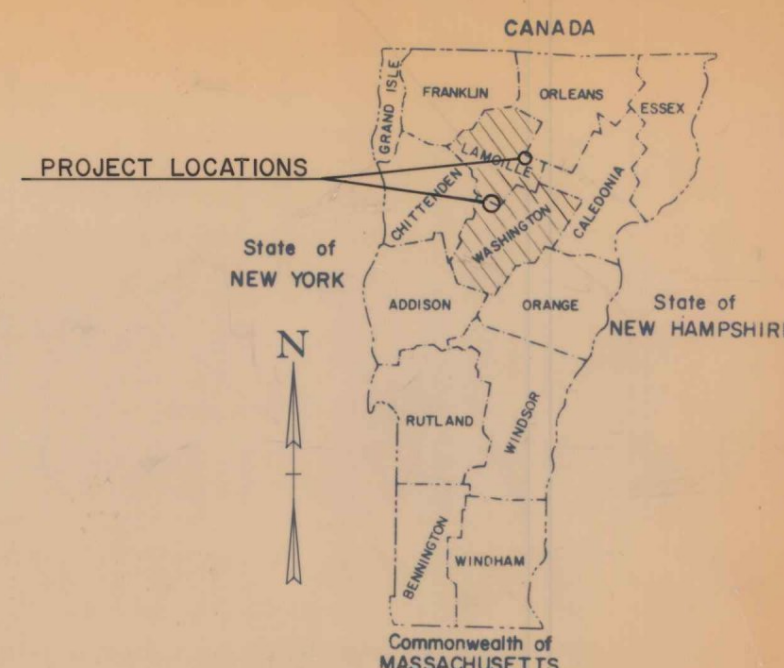
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STATE OF VERMONT AGENCY OF TRANSPORTATION



PROPOSED IMPROVEMENT TOWNS OF WATERBURY, STOWE, MORRISTOWN AND WOLCOTT COUNTIES OF WASHINGTON & LAMOILLE VT. RTE. 100 AND VT. RTE. 15 (F.A.P.) 1986 PAVING PROGRAM - DISTRICT 6

WORK TO BE DONE UNDER THIS CONTRACT INCLUDES HIGHWAY RESURFACING, UPGRADING
GUARD RAIL, DRAINAGE FEATURES, AND SIGN POSTS.



RECORD PLANS AND MATERIAL SUPPLIERS
CONTRACTOR: PIKE INDUSTRIES R.F.D. #2 BOX 91
TILTON, N.H.

RESIDENT ENGINEER: RAY HAYES
CONTRACT DATED: JUNE 5, 1987
CONSTRUCTION BEGAN: JUNE 29, 1987
CONSTRUCTION COMPLETED: OCT. 16, 1987
CONSTRUCTION ACCEPTED: OCT. 27, 1987

RECORD PLANS: ROBERT E. SMITH
GRAVEL: FERLANO PIT, HYDE PARK, VT.

WALKER PIT, EDEN VT.
AGGREGATE SHOULDERS: COTA PIT, WOLCOTT, VT.
METAL PIPE: PENN CULVERT CO. INC., NORTH
BELLICA, MASS.

CONC. PIPE: S.T. GRISWOLD CO. INC. WILLISTON, VT.
BIT. CONC. PAVEMENT: PIKE INDUSTRIES, JOHNSON VT.
C.S. RES.: CONTECH CONSTRUCTION PRODUCTS
SENTON ST. PALMER, MASS.

TREATED TIMBER CURB, WOOD MARKER POSTS,
STEEL BEAM GUARD RAIL, TRAFFIC SIGNS, SIGN
POSTS: F.R. LAFAYETTE, KELLOGG RD.
ESSEX JCT. VT.

REINFORCING STEEL: K. ROSS BLDG. SUPPLY CO. INC.
LEBANON, N.H.
MORRISTOWN-WOLCOTT CONC. CLASS B: A.G. ANDERSON CO. INC.
WATERBURY, VT.

WATERBURY-STOWE
F 029-1(12)
VT 100
BEGINNING ON VT 100 AT WATERBURY M.M. 0.858
AND EXTENDING NORTHERLY 8.830 MILES TO STOWE M.M. 2.945
LENGTH OF PROJECT=46,624 FEET=8.830 MILES.
1986 ADT=6670

PROJECT
WATERBURY - STOWE F 029-1(12)

PROJECT
MORRISTOWN - WOLCOTT F 030-2(16)

MORRISTOWN-WOLCOTT
F 030-2(16)
VT 15
BEGINNING ON VT 15 AT MORRISTOWN M.M. 3.095
AND EXTENDING EASTERLY 3.988 MILES TO WOLCOTT M.M. 2.716
LENGTH OF PROJECT=21,054 FEET=3.988 MILES.
1986 ADT=3590

CONVENTIONAL SIGNS

COUNTY LINE	---
TOWN LINE	- - -
LIMITS OF ACCESS	○ ○ ○
POINT OF ACCESS	X
FENCE LINE	— X —
STONE WALL	— X —
TRAVELED WAY	— X —
GUARD RAIL	— X —
RAILROAD	— X —
SURVEY LINE	— X —
CULVERT	— X —
POWER POLE	— X —
TELEPHONE POLE	— X —
TREES	— X —
CONTROL OF ACCESS	— X —
PROPERTY LINE	— X —
RIGHT TAKING LINE	— X —
SLOPE RIGHTS	— X —
TOP OF CUT	— X —
TOP OF SLOPE	— X —

DATUM	
VERTICAL	N.A.
HORIZONTAL	N.A.

SCALE: 1" = 5 Miles



VT STATE PLANE GRID

THESE PLANS ARE SUBJECT TO SUCH ENGINEERING
CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY
ADMINISTRATION OR THE CHIEF ENGINEER.
CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE
WITH THESE PLANS AND THE STANDARD SPECIFICATIONS
FOR CONSTRUCTION DATED 1986, AS APPROVED BY THE
FEDERAL HIGHWAY ADMINISTRATION ON NOVEMBER 21, 1985
FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT
REVISIONS AND SUCH REVISED SPECIFICATIONS AND
SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE
PLANS.

SUBMITTED BY ORDER OF THE STATE TRANSPORTATION BOARD	
APPROVED	DATE 9-22-86
CHIEF ENGINEER	
DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION	
APPROVED	DATE
DIVISION ADMINISTRATOR	
PROJECT 1986 PAVING PROGRAM	
DISTRICT 6	
SHEET 1 OF 105 SHEETS	

TYPICAL SECTIONS 1986 PAVING PROGRAM

1 1/2" BITUMINOUS CONCRETE PAVEMENT (1/4"±) TYPE III

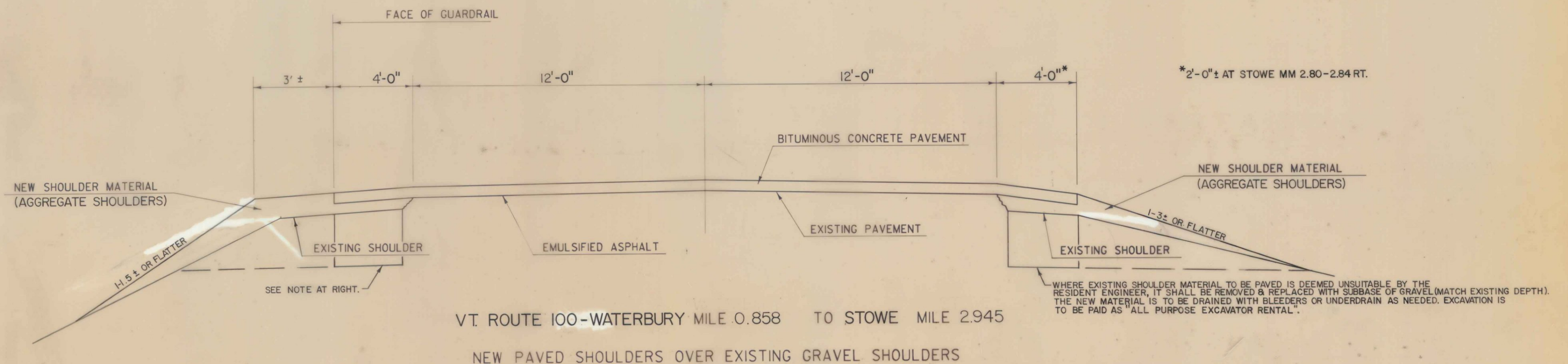
340 TONS, PER/MILE LEVELING COURSE, TYPE IV

EMULSIFIED ASPHALT, TO BE APPLIED AT THE RATE OF .015 GAL./SQ. YD.
OR AS DIRECTED BY THE ENGINEER.

AGGREGATE SHOULDERS

UNLESS OTHERWISE DETERMINED BY THE ENGINEER, TYPE IV MIX
WILL BE USED FOR LEVELING AND TYPE III MIX WILL BE USED
FOR THE WEARING COURSE.

BRIDGE 208 AT STOWE M.M. 1.52 IS TO BE PAVED W/ 3/4" TYPE IV.

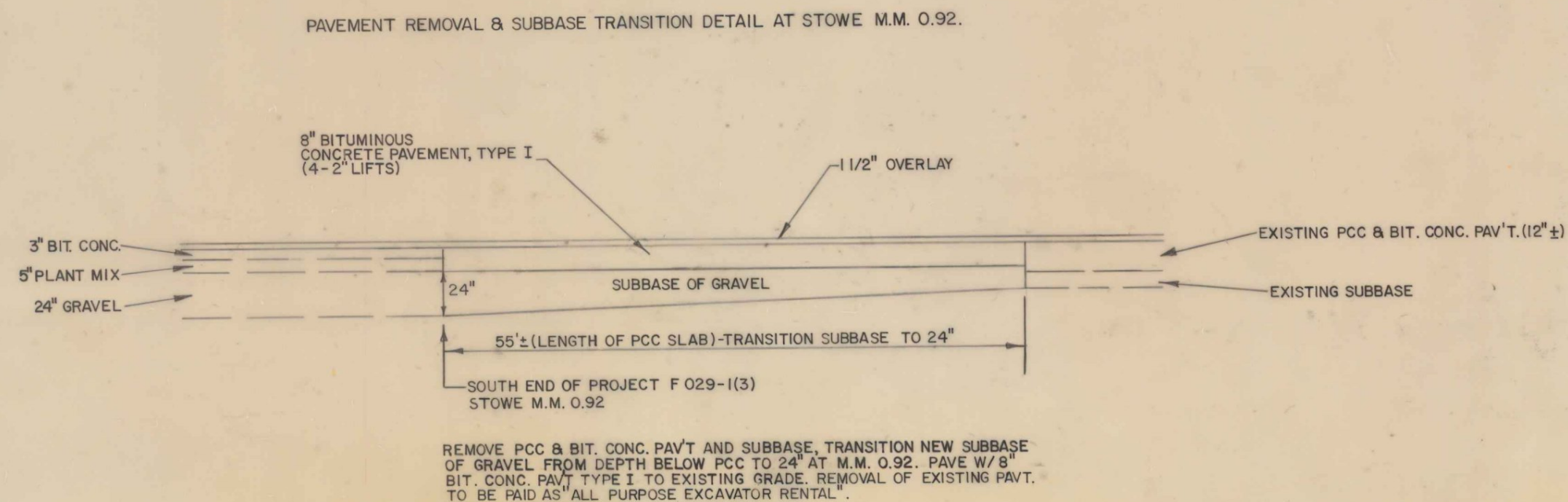


ESTIMATED QUANTITY OF SHOULDER MATERIAL
0.07 TON/L.F. w/o GUARD RAIL
SEE SHEET 12 FOR QTY. w/GUARD RAIL

NOTE: WHERE EXCAVATION IS REQUIRED TO OBTAIN FULL ROADWAY & SHOULDER WIDTH, PAYMENT WILL BE MADE UNDER ITEMS "ALL PURPOSE EXCAVATOR RENTAL" & "TRUCK RENTAL".

ALL TOWN HIGHWAYS ARE TO BE PAVED TO THE RADIUS POINT W/ 1 1/2" BITUMINOUS CONCRETE.

ALL CONSTRUCTION OPERATIONS MUST BE CONFINED TO THE STATE'S R.O.W.



TYPICAL SECTIONS 1986 PAVING PROGRAM

1 1/4" BITUMINOUS CONCRETE PAVEMENT (1/4"), TYPE III

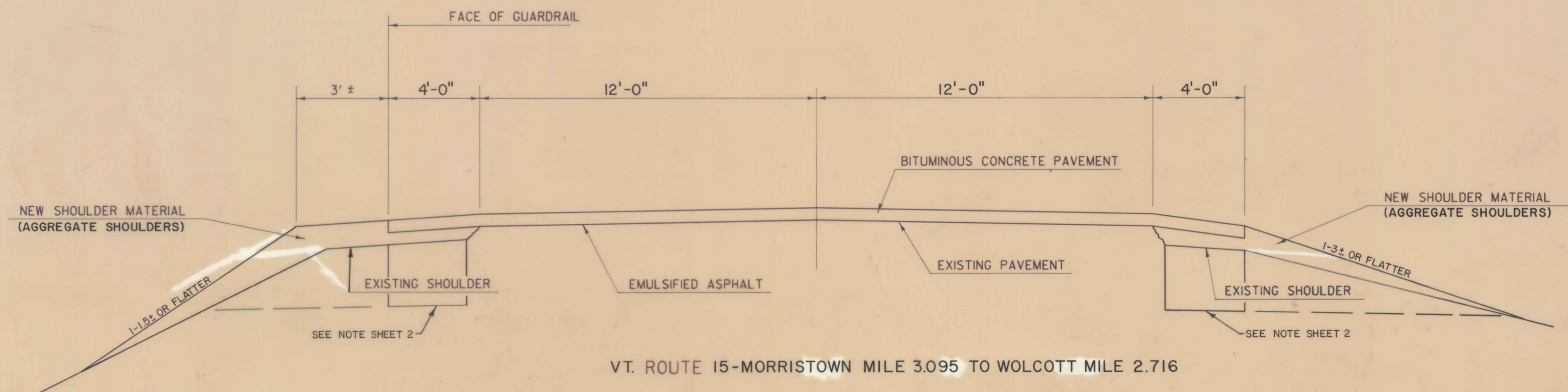
340 TONS, PER/MILE LEVELING COURSE, TYPE IV

EMULSIFIED ASPHALT, TO BE APPLIED AT THE RATE OF .015 GAL./SQ. YD.
OR AS DIRECTED BY THE ENGINEER.

AGGREGATE SHOULDERS

SEE SHEET 2 FOR PAVEMENT TYPE USAGE.

BRIDGE 51 AT WOLCOTT M.M. 2.31 IS TO BE PAVED W/3/4" TYPE IV.



VT. ROUTE 15-MORRISTOWN MILE 3.095 TO WOLCOTT MILE 2.716
NEW PAVED SHOULDERS OVER EXISTING GRAVEL SHOULDERS

ESTIMATED QUANTITY OF SHOULDER MATERIAL
0.07 TON/L.F. W/O GUARD RAIL
SEE SHEET 12 FOR QTY. W/GUARD RAIL

NOTE: ALL TOWN HIGHWAYS ARE TO BE PAVED TO THE
RADIUS POINT W/1 1/4" BITUMINOUS CONCRETE.

ALL CONSTRUCTION OPERATIONS MUST BE
CONFINED TO THE STATE'S R.O.W.

QUANTITY SHEET

STATE OF VERMONT
AGENCY OF TRANSPORTATION

APPROXIMATE SUMMARY OF QUANTITIES

WATERBURY ~ STOWE F029-1(12)		MOORESTOWN ~ WOLCOTT F030-2(16)		QUANTITIES	UNIT	ITEMS	ITEM NO.	ROUNDING
NON-GOV'T PART (NON-FED PART)	ROADWAY	TOTAL	NON-GOV'T PART (NON-FED PART)	ROADWAY	TOTAL			
	1	1				1 EA	Removing Large Trees	201.16
	1300(114est)	1300	1000(104est)		2300	CY	Earth Borrow	203.30
	1500	1500	800		2300	CY	Trench Excavation of Earth	204.20
	65(15est)	65	35(8est)		100	CY	Trench Excavation of Rock	204.21
			20		20	CY	Structure Excavation	204.25
			20		20	CY	Granular Backfill for Structures	204.30
700	2400(est)	3100	1100(1080est)		4200	CY	Subbase of Gravel	301.15
162		162			162	Ton	Plant Mixed Base Course	303.25
	7700	7700	4200		11,900	Ton	Aggregate Shoulders	402.12
	200	200	90		290	ONT	Emulsified Asphalt	404.65
53	17647	17700	6800		24,500	Ton	Bituminous Concrete Pavement	406.25
	15(2.5est)	15	35(4est)		50	CY	Concrete Class B	501.25
	1500(300est)	1500	5500(560est)		7000	Lb	Reinforcing Steel	507.15
			182		182	LF	Drilling & Grouting Dowels	507.16
			11		11	Gal	Water Repellant	514.10
			63		63	LF	Bridge Railing - Heavy Duty Steel Beam / Fascia Mounted	525.41
			1		1	LS	Maintenance of Traffic for Bridge Projects	527.10
			1		1	EA	Partial Removal of Structure	529.20
			7		7	Gal	Epoxy Bonding Compound	530.25
	40(8est)	40			40	LF	12" CSP .064	601.0005
	20(8est)	20			20	LF	15" CSP .064	601.0010
	12(4est)	12			12	LF	24" CSP .064	601.0025
			12(4est)		12	LF	18" PCCSP .064	601.0415
			10(1est)		10	LF	30" PCCSP .079	601.0436
			20(8est)		20	LF	30" PCCSP .079	601.0446
	8(4est)	8			8	LF	12" RCP CI III	601.0805
	24(8est)	24			24	LF	15" RCP CI III	601.0810
	8(4est)	8			8	LF	18" RCP CI III	601.0815
	36(12est)	36			36	LF	24" RCP CI III	601.0825
	2	2	1		3	EA	15" CSPES .064	601.6010
			2		2	EA	18" CSPES .064	601.6015
	1	1			1	EA	24" CSPES .064	601.6025
			2		2	EA	30" CSPES .079	601.6036
			2		2	EA	30" CSPES .079	601.6046

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS
		WATERBURY ~ STOWE
		Aggregate Shoulders
7372	Tons	Roadway Shoulders
108	Tons	Guard Rail Terminals
10	Tons	Backfilling Curb (est)
100	Tons	Est. for Drives & Appr.
50	Tons	Bund
7700	Tons	Total
		Bituminous Concrete Pavement
13802	Ton	Wearing Course
3004	Ton	Leveling
781	Ton	Drives & Approaches
6	Ton	Bridge @ Stowe 1.52
53	Ton	Widening for Ben & Jerry's (Non-Govt)
54	Ton	Round
17700	Ton	Total
		Trench Excavation of Earth
63	CY	Designed Drainage
1350	CY	Estimated Underdrain & Carrier Pipe
57	CY	Round
1500	CY	Total

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS
		MOORESTOWN ~ WOLCOTT
		Aggregate Shoulders
2973	Ton	Roadway Shoulders
108	Ton	Guard Rail Terminals
75	Ton	Est. for Drives & Appr.
44	Ton	Round
4200	Ton	Total
		Bituminous Concrete Pavement
5161	Ton	Wearing Course
1356	Ton	Leveling
245	Ton	Drives & Approaches
4	Ton	Bridge @ MM 0.63 (widening)
14	Ton	Bridge @ MM 2.30
20	Ton	Round
6800	Ton	Total
		Trench Excavation of Earth
10	CY	Designed Drainage
800	CY	Estimated Underdrain & Carrier Pipe
40	CY	Round
850	CY	Total

STATIONS		PAVEMENT WIDTHS		EQUATIONS		FEET	MILES	REMARKS
FROM	TO	32'-0"		+	-			
WATERBURY MM 0.858	STOWE MM 2.945	46622.00				46622.00	3.830	Project F 029-1(12)
MOORESTOWN MM 3.095	WOLCOTT MM 2.716	21,056.00				21,056.00	3.988	Project F 030-2(16)
TOTALS								
PROJECT NAME 1986 PAVING PROGRAM - DISTRICT 6								
PROJECT NUMBER								
SHEET 4 OF 108 SHEETS								

QUANTITY SHEET

STATE OF VERMONT
AGENCY OF TRANSPORTATION

APPROXIMATE SUMMARY OF QUANTITIES										
WATERBURY-STOWE F029-1(12)				MORRISTOWN-WALCOTT F030-2(10)		QUANTITIES	UNIT	ITEMS	ITEM NO.	ROUNDING
NON-GOTT. PART	NON-FED. PART	ROADWAY	TOTAL	Non-Fed. Part.		GRAND TOTAL				
(WIDENING FOR BENTLEY STREET S)										
		3	3			3	EA	15" RCPS C.I. III	601.6810	
		2	2		2	4	EA	18" RCPS C.I. III	601.6815	
		3	3			3	EA	24" RCPS C.I. III	601.6825	
		23(est)	23		13(1 Est.)	36	EA	Changing Elev. of D ₁ , CB, or MH	604.40	
		7	7		7	14	EA	Cast Iron Grate w/Frame, Type A	604.45	
		16	16		4	20	EA	Cast Iron Grate w/Frame, Type B	604.46	
		1	1			1	EA	Cast Iron Grate w/Frame, Type E	604.52	
		2,000	2,000		1,000	3,000	LF	6" Underdrain(est)	605.10	
		200	200		100	300	LF	6" Underdrain Carrier Pipe(est)	605.20	
		10	10		5	15	EA	Underdrain Flushing Basins(est)	605.95	
		250	250		125	375	HR	All Purpose Excavator Rental, Type I(est)	608.25	
		25	25			25	HR	All Purpose Excavator Rental, Type II(est)	608.26	
		75	75		35	110	HR	Power Broom Rental(est)	608.30	
		500	500		225	725	HR	Truck Rental(est)	608.37	
		20(Best)	20		5(est)	25	CY	Stone Fill Type I	613.10	
		10(est)	10		65(Best)	75	CY	Stone Fill Type II	613.11	
		75	75			75	LF	Cast in Place Cement Concrete Curb, Type B	616.28	
		1000(500est)	1000		1000(500est)	2000	LF	Treated Timber Curb	616.35	
		50	50		25	75	EA	Wood Marker Posts(est)	619.15	
		10	10		6	16	EA	Removing & Resetting Property Markers(est)	619.20	
		15(7est)	15		5(est)	20	EA	Removing & Replacing Mailboxes	619.26	
		2000	2000	2000		4000	LF	Removing & Resetting Fence(est, Non-Fed.)	620.50	
		7000(3500est)	7000		8500(2815est)	15,500	LF	Steel Beam Guard Rail	621.20	
					450	450	LF	Heavy Duty Steel Beam Guard Rail	621.21	
		17	17		30	47	EA	Breakaway Cable Terminal	621.50	
		23	23		6	29	EA	Anchor for Steel Beam Rail	621.60	
		750	750			750	LF	Removing & Resetting Guard Rail	621.75	
		5008	5008		6686	11,694	LF	Removal & Disposal of Guard Rail	621.80	
					60	60	LF	Temporary Traffic Barrier	621.90	
		875	875		350	1225	HR	Uniformed Traffic Officers(est)	630.10	
		1150	1150		475	1625	HR	Flaggers(est)	630.15	
		0.5	0.5		0.5	1	LS	Field Testing	631.15	
		0.7	0.7		0.3	1	LS	Mobilization	635.10	
		100	350(est)	450		450	LF	Durable 4" White Line	646.30	
		1450		1450		1450	LF	Durable 4" Yellow Line	646.34	
		550		550		550	LF	Durable 8" Yellow Line	646.35	
		20	80	100		136	LF	Durable 24" Stop Bar	646.40	
		2	3(est)	5		5	EA	Durable Arrow Marking	646.42	
		8	32	40		40	EA	Durable Letter in Word Marking	646.44	
		93,400	93,400		42,200	135,600	LF	Temporary 4" White Lines	646.50	
		153,600	153,600		64,400	218,000	LF	Temporary 4" Yellow Lines	646.51	
		180	180		80	260	CY	Topsoil(est)	651.35	
		1	1			1	EA	Deciduous Tree ~ European Mountain Ash (Sorbus Aucuparia) B & B, 2" Cal	656.30	
		18	610	628		628	5F	Traffic Signs, Type A	675.20	
		75	2925	3,000		3,000	LB	Flanged Channel Sign Posts	675.30	
			170	170		170	EA	Removing Signs	675.50	
			18	18		18	EA	Erecting Salvaged Signs	675.60	
			25	25		25	EA	Remove & Replace Reflector Units	676.15	
					1	1	EA	Traffic Control Signal System-Intersection(Mpl)	678.15	
		160	160			160	5F	Travel Information Signs(Non-Fed.) (Mod)	680.20	

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ITEM DETAIL SHEET

1986 PAVING PROGRAM
DISTRICT G
WATERBURY~STOWS
F 029-1(12)
SHEET 6 OF 108 SHEETS

1986 PAVING PROGRAM

ITEM DETAIL SHEET

MILE MARKER	POS	REM. TREES		UNCL. EXC.	EARTH BORROW	TRENCH EARTH	TRENCH ROCK	AGGREG. SHOUL.	CSP			RCP PIPE			MES	RCPE	CONC	STEEL	GRATE TYPE	STONE FILL		TIMBER CURB	ITEM 604.40	GUARDRAIL ITEMS					DEL					REMARKS			
		SMALL	LARGE						D	L	TH	D	L	CL						I	II			62L20	62L21	62L60	62L50										
WATERBURY																																					
4.32 ✓	RT				50	2 ✓	3 ✓										2 ✓	150 200	1-A ✓																Remove Headwall Rt, Construct New DI, Regrade Ditch		
4.42	RT																		1-A ✓				1 ✓												Remove & Replace DI Top w/Grate		
4.45 ✓	RT					23.0			15	70	064						2	150	1-A ✓				1 ✓													Remove & Replace DI Top w/Grate	
4.49~4.51	RT																																			Excavate To Obtain Full Roadway & Shoulder Width	
4.69 ✓	RT				20	2 ✓											2 ✓	150 200	1-B ✓																	Construct New DI @ Inlet Rt, Regrade Ditch w/Earth Borrow	
4.76~4.78	RT																																			Excavate To Obtain Full Roadway & Shoulder Width	
5.05	RT																		1-B ✓				1												Remove & Replace DI Top w/Grate		
5.18~5.20	LT				50																		128		150 ✓			2 ✓								Extend New G.R. South 35'±, End New BCT 12.5'± North of Existing	
5.19~5.21	RT				50																		128		214.5 237.5		1 ✓	1 ✓								Extend New G.R. South 37.5'± straight plus 25' around TH 14 Rad. w/1/4 Rad Terminal, Extend 50'± plus BCT North	
5.21 ✓	LT				5		2 ✓		12	8	064																									Remove Drive Pipe Headwalls, Extend w/4' CSP @ Inlet & Outlet, Flatten Sideslopes	
5.66	LT																		1-B ✓				1 ✓												Remove & Replace DI Top w/Grate		
5.07	LT				3	2 ✓	1 ✓		12	4	064																								Remove Drive Pipe Headwall @ Outlet, Extend w/4' CSP, Regrade Ditch & Flatten Sideslope		
5.72 ✓	RT				3	2			15	8	064				1-15"																					Remove & Replace 4' of Drive Pipe w/8' New CSP @ Outlet, Flatten Sideslope, Regrade Ditch & Backslope	
5.75	LT				3	2	X		12	4	064																									Remove Drive Pipe Headwall @ Outlet, Extend w/4' CSP, Regrade Ditch & Flatten Sideslope	
5.77	RT				3		2 ✓		15	4	064				1-15"																					Remove Headwall & Extend w/4' CSP & MES @ Inlet Rt, Flatten Sideslope	
6.04	RT					3											3	150	1-A ✓				1 ✓													Remove & Replace DI Top w/Grate	
6.09	RT																		1-A				1 ✓													Remove Headwall Rt, Extend 4'± New ES, Flatten Sideslope	
6.38 ✓	RT				3	2	X					18	4	III	1-15"																					Remove & Replace DI Top w/Grate	
6.34-6.39	LT																																				Remove Headwall Rt, Extend 4'± New ES, Flatten Sideslope
6.50 ✓	LT																		1-B ✓				1 ✓													Remove & Replace DI Top w/Grate	
6.56 ✓	LT																		1-B ✓				1 ✓													Remove & Replace DI Top w/Grate	
6.59 ✓	LT																		1-B				1 ✓													Remove & Replace DI Top w/Grate	
6.65 ✓	LT																		1-B ✓				1 ✓													Remove & Replace DI Top w/Grate	
END WATERBURY BEGIN STONE																																					
0.11 ✓	RT				5	8	3 ✓		24	8	064				1-24"																					Remove Drive Pipe Headwall @ Inlet, Extend w/8' CSP & MES, Flatten Sideslope	
0.22 ✓	RT				5	5	3 ✓					24	8	III	1-24"																					Remove Drive Pipe Headwall @ Inlet, Extend w/8'± ES, Flatten Sideslope, Regrade Ditch	
0.34~0.41	LT				50																		400 ✓		425 450			2 ✓								Extend New G.R. South 50'±, North w/BCT only	
0.35	RT				15	24	X										2 ✓	150 200	1-B ✓																Remove Headwall Rt, Construct New DI, Regrade Ditch		
0.30-0.31	RT																																				
0.35~0.37	RT																																				Excavate To Obtain Full Roadway & Shoulder Width
Sheet Totals					265	17	1813		12	10	064	15	4	III	2-15"	1-15"	6	600	4-A ✓				98	650	8375		1	5									
									15	12	064	24	8	III	1-24"	1-24"	11	714	8-B ✓					650	12915												
									24	8	064																										

1986 PAVING PROGRAM
DISTRICT 60
WATERBURY~STONE
F 029-1(12)

1986 PAVING PROGRAM

ITEM DETAIL SHEET

STOWE		POS	REM. TREES SMALL LARGE	UNCL. EXC.	EARTH BORROW	TRENCH EARTH	TRENCH ROCK	AGGREG. SHOUL.	CSP			RCP PIPE			MES	RCPS	CONC	STEEL	GRATE TYPE	STONE FILL		TIMBER CURB	ITEM 604.40	GUARDRAIL ITEMS					DEL	CAST IN PLACE CONC. CURB	REMOVE PLANT DECID. TREE	SUBBASE OF GRAVEL	REMARKS	
MILE MARKER	D								L	TH	D	L	CL	I						II	62L80			62L75	62L20	62L21	62L60	62L50						
0.46	RT																		1-B				1										Remove & Replace DI Top w/Grate	
0.48	RT					9	5																										Remove 36" Drive Pipe & Headwall, Regrade Ditch	
0.92	RT																																Remove & Replace Pavement & Subbase (See Sheet 2)	
0.93~0.98	RT																							275									Remove & Reset Guard Rail to Obtain Correct Height, Reset B.C.T.s Without Washers	
0.95~1.00	LT																							275									Same as 0.92~0.98 LT	
1.33~1.36	LT																							154		2							Add Offset Blocks to Bridge Posts & Parapets (see sheet 12), Reset Approach Rail 25' North & South	
1.52	RT																							154									Remove Headwall @ Inlet RT, Extend 4' @ New CS, Flatten Sideslope, Regrade Ditch	
1.60	RT				3	5	8				15	4	III		1-15"																		Remove Headwall @ Inlet RT, Construct New DI, Regrade Ditch	
1.66	RT				20	3	1										2	150	1-A 1-B														Remove Headwall @ Inlet RT, Construct New DI, Regrade Ditch	
1.68~1.74	LT				50																		320		407		2						Extend New G.R. South 12.5'±, North 55'±, Use 16' Rad. Terminals	
1.83	RT				3		1				12	4	.004																				Remove Drive Pipe Headwall @ Inlet, Extend w/4' CSP & Flatten Sideslope	
1.86	LT				50																												Extend New G.R. 50'± South of R.C.B., 75'± North, Use 16' Rad. Terminals	
1.86	RT				50																												Extend New G.R. 75'± South (Use buried end treatment - see sheet 12) Extend 50'± North w/16' Rad.	
1.97	RT				5	4	2				12	8	.004																				Remove Drive Pipe Headwall, Extend 4' @ Inlet & Outlet, Flatten Sideslopes	
2.00~2.02	LT				50																		128		250		2						Extend New G.R. South 50'±, North 75'±, Use 16' Rad. Terminals	
2.15	RT				3		1				12	4	.004																				Remove Drive Pipe Headwall @ Inlet, Extend w/4' CSP, Flatten Sideslope	
2.18~2.21	LT				50																												Extend New G.R. South 50'±, North 50'±, Use 16' Rad. Terminals	
2.18~2.23	RT				50																												Extend New G.R. South 37.5'±, North 31.5'±, Use 16' Rad. Terminals	
2.33~2.34	LT				50																												Extend New G.R. South 25'±, Use 16' Rad. Terminals	
2.33~2.35	RT				50																												Extend New G.R. South 35'±, North 50'±, Use 16' Rad. Terminals	
2.39~2.42	LT				50																												Extend New G.R. South 25'±, North 65'±, Use 16' Rad. Terminals	
2.43~2.45	LT																																	Excavate To Obtain Full Roadway & Shoulder Width
2.50~2.51	LT																																	Excavate To Obtain Full Roadway & Shoulder Width
2.59	RT																																	Change Elev. of Sewer M.H. (To be done by others)
2.59~2.77	RT																																	Excavate To Obtain Full Roadway & Shoulder Width
2.60~2.62	LT																																	Excavate To Obtain Full Roadway & Shoulder Width
2.63	RT																																	Change Elev. of Sewer M.H. (To be done by others)
2.64	RT																																	Change Elev. of D.I.
2.72	RT																																	Change Elev. of Sewer M.H. (To be done by others)
2.75	RT																																	Change Elev. of Sewer M.H. (To be done by others)
2.75~2.76	LT																																	Excavate To Obtain Full Roadway & Shoulder Width
2.78~2.98	LT																																	Excavate To Obtain Full Roadway & Shoulder Width
2.79	RT																																	Change Elev. of Sewer M.H. (To be done by others)
Sheet Totals				484	14	8		12	10	.004	15	4	III		1-15"	2	200	1-B					2	1232	136	2037.5		18	21					
Sheet 6 Totals		1		437	31	20	10	24	12		12	4	III	1-15"	1-15"	4.5	400	B-A	12	10	500	11	3120		2275		4	12	75	86	1			
					20	16					15	8	III	1-15"	2-15"		386	G-B																
											18	4	III	1-24"	2-24"			1-E																
											24	16	III	1-15"																				
Sheet 7 Totals				265	17	13		12	10	.004	15	4	III	2-15"	1-15"	6	600	4-A				98	658		2275		1	56						
					53	13		15	12	.004	24	8	III	1-24"	1-24"	11	779	8-B																
								24	8	.004																								
Project Totals				1180	63	50	10	12	32	.004	12	4	III	1-15"	2-15"	12.5	1200	9.1-A	12	10	500	22	5008	136	6850		23	17	75	86	1			
					81	27		15	12	.004	15	10	III	1-24"	1-15"		1310	15.1-B																
								24	8	.004	18	4	III	1-15"	2-24"			1-E																
								24	24	III																								

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DISTRICT 6
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F029-1(12)
SHEET 8 OF 108 SHEETS

1986 PAVING PROGRAM

ITEM DETAIL SHEET

MILE MARKER	POS	REM. TREES		UNCL. EXC.	EARTH BORROW	TRENCH EARTH	TRENCH ROCK	AGGREG. SHOUL.	PCCSP			RCP PIPE			MES	RCPE	CONC	STEEL		GRATE TYPE	STONE I	FILL II	TIMBER CURB	ITEM 604.40	GUARDRAIL ITEMS					DEL					REMARKS	
		SMALL	LARGE						D	L	TH	D	L	CL											62L20	62L21	62L60	62L50								
MORRISTOWN																																				
3.29	Lt				10		5		36	6	.079			1-36"																					Remove Headwall, Extend Pipe 6' ± MES, Flatten Sideslope	
3.40	Lt																		1-A				1												Remove & Replace DI Top w/Grate	
3.47	Lt																		1-A				1												Remove & Replace DI Top w/Grate	
3.51	Lt																		1-A				1												Remove & Replace DI Top w/Grate	
3.55	Lt				10		5		36	6	.079			1-36"																					Remove Headwall, Extend Pipe 6' ± MES, Flatten Sideslope	
3.59~3.91	RT				50																		1684												Extend New G.R. 100'± West, 50'± East, Maintain Offset Around Pullout @ MM 3.75±	
3.78																							1													
3.89	Lt				5		2		18	4	.064			1-18"																					Remove Headwall, Extend Pipe 4' ± MES, Flatten Sideslope	
3.99	Lt													1-36"																					Remove Headwall, Add MES, Flatten Sideslope	
Morrstown 4.24 ~ Wolcott 0.10	RT				50																	500	1208												Extend New G.R. West w/BCT only, 50'± East, Replace Treated Timber Curb, (Install New G.R. 16' RT of E)	
0.00	Lt				50																		50												Begin New G.R. @ Existing End West w/16' Rad. Terminal, Extend 50'± East (use buried end treatment - see sheet 12)	
0.00																																				Change Elev. of DI
0.04	Lt																						1													
0.20~0.40	RT				50																		534												Extend New G.R. 100'± West @ MM 0.20, 50'± East @ 0.40, Run New G.R. Around Pullout @ MM 0.34±	
0.21	Lt					3			36	12	.079				1		1																			
0.25	Lt																		1-B				1												Remove & Replace DI Top w/Grate	
0.32	Lt																		1-B				1												Remove & Replace DI Top w/Grate	
0.35	Lt																		1-A				1												Remove & Replace DI Top w/Grate	
0.38	Lt				3	1	1							1-15"																					Remove Drive Pipe Headwall, New MES, Flatten Sideslope	
0.39	Lt																		1-A				1												Remove & Replace DI Top w/Grate	
0.43	Lt						2							1-18"																					Remove Headwall, Add New RCPE, Regrade Ditch, Flatten Sideslope	
0.63	Lt				50																		136												Add BCT to New Heavy Duty Steel Beam G.R. West (See BR 100 Series & Std. SB-R6-82 for limits), Add 37.5' SBGR & BCT to New H.D.S.B.G.R. East	
0.63	RT				50																		174												Add 50' S.B.G.R. & BCT to New Heavy Duty S.B.G.R. West (See BR 100 Series & Std. SB-R6-82 for limits), Add 100' SBGR & BCT to New H.D.S.B.G.R. East	
0.97	Lt				50																															Extend New GR 100'± West of R.C.B., 150'± East (run behind pullout)
0.97	RT				50																															Extend New G.R. 150'± West of R.C.B., 100'± East
1.04~1.20	RT				50																															Extend New G.R. 50'± West & East
1.08																																				
1.11	Lt				5	5	2		18	4	.064			1-18"																					Remove Headwall, Extend Pipe 4' ± MES, Regrade Ditch, Flatten Sideslope	
1.35																							1													
1.37~1.45	RT				50																		424												Extend New G.R. 50'± West, 75'± East	
1.78	Lt				50																															Extend New G.R. 50'± West from R.C.B. (use buried end treat - see sheet 12), 25'± East Use 16' Rad. Term.
1.78	RT				50																															Extend New G.R. 100'± West from R.C.B., 25'± East w/16' Rad. (Place Stone over R.C.B. on slope)
1.80	Lt																																			Remove & Replace DI Top w/Grate
Sheet Totals					633	5	21		18	8	.064			1-15"					1-A				9	497												
									36	12	.079			1-36"					2-B				10	505												
														1-36"																						
														2-36"																						

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DISTRICT # 6
MORRISTOWN ~ WOLCOTT
FO30-2(16)

SHEET 9 OF 108 SHEETS

1986 PAVING PROGRAM

ITEM DETAIL SHEET

WOLCOTT																															
MILE MARKER	POS	REM. TREES SMALL LARGE	UNCL. EXC.	EARTH BORROW	TRENCH EARTH	TRENCH ROCK	AGGREG. SHOUL.	PCC SP			RCP PIPE			MES	RCPS	CONC	STEEL	GRATE TYPE	STONE FILL		TIMBER CURB	ITEM 604.40	GUARDRAIL ITEMS				DEL	REMARKS			
								D	L	TH	D	L	CL						I	II			621.80	621.20	621.21	621.60			621.50		
1.96~2.02	RT			50																		1	431 336 112		327 425 137.5		1	1		Extend New G.R. 85'± West, 50'± Rt Along TH 38, Transition to Existing 2-Cable G.R. (See Sheet 12)	
1.97	LT																	1-B				1								Remove & Replace DI Top w/Grate	
2.00	LT			10	5	4		30	4	.079				1-30"																Remove Headwall, Extend Pipe 4'± MES, Regrade Ditch, Flatten Sideslope	
2.02~2.04	RT																					80								Remove Existing G.R. from Vt 15 to TH 38 Radius Point±	
2.06	LT																	1-B				1								Remove & Replace DI Top w/Grate	
2.09~2.15	LT			50																		272	275		2					Extend New G.R. 25'± West, End BCT @ End of Existing G.R. East	
2.19~2.27	LT			50																		364	312.5		2					End BCT's @ End of Existing G.R. West & East	
2.30	LT			50																		296	175		2					Add Offset Blocks to Bridge Posts, Extend New G.R. 50' West from Bridge (25' Heavy Duty), Extend New G.R. 75' East from Bridge (25' Heavy Duty), (125' Heavy Duty Steel Beam G.R. on Bridge) - See Sheet 12, Std. SB-RG-82.	
2.30	RT			50																		222	50		2					Add Offset Blocks to Bridge Posts, Extend New G.R. 50' West & East from Bridge (25' Heavy Duty), (125' Heavy Duty Steel Beam G.R. on Bridge) - See sheet 12, Std. SB-RG-82.	
2.52	LT			3		2								1-15" 1-18"			150	1-A												Remove Headwall, Add ES only, Flatten Sideslope	
2.63	LT																	1-A				1								Remove & Replace DI Top w/Grate	
2.67~2.71	RT			50																		192	212.5		2					Extend New G.R. 75'± West, 50'± East	
Sheet Totals				313	5	6		30	4	.079				1-30" 1-18"			150	1-A 2-B				3	1764	7450	350	1	11				
Sheet 9 Totals				583	5	21		18	8	.004				1-15" 1-18"				4-A 2-B	50		9	4922	6725	100	5	19					
Project Totals				896	10	27		30	4	.079				1-15" 1-18"				4-A 4-B	50		12	6680	8425	450	6	30					

1986 PAVING PROGRAM

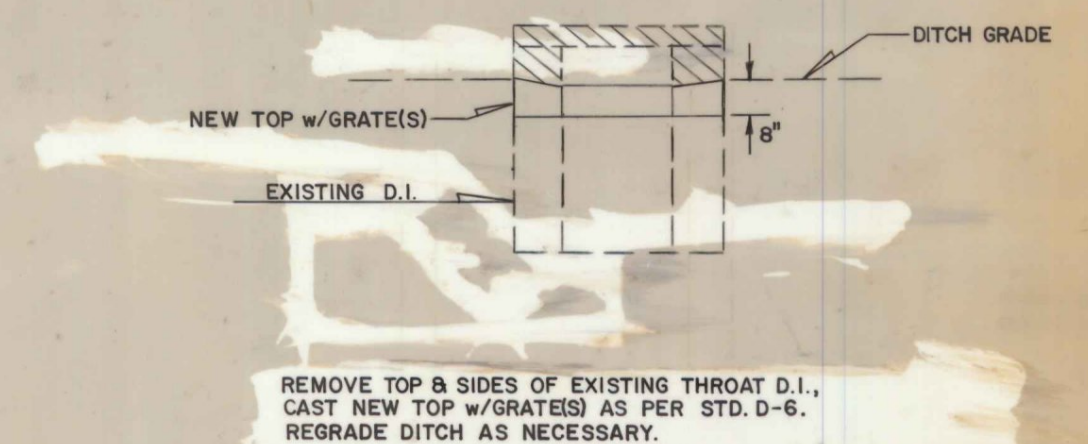
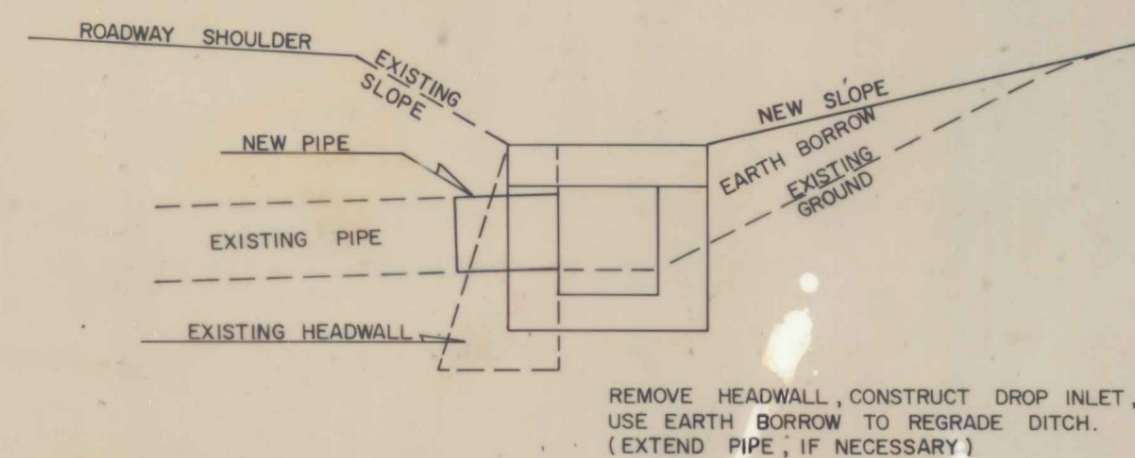
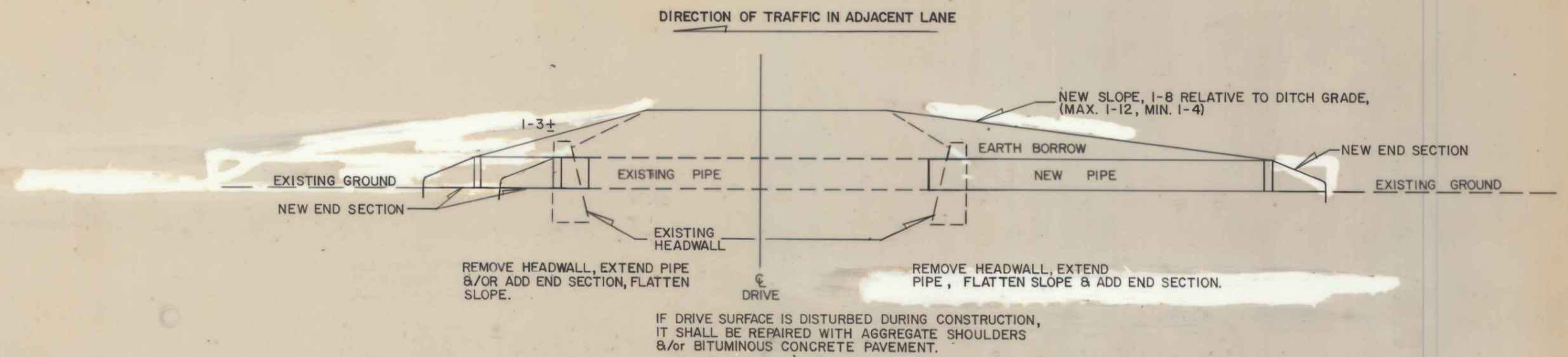
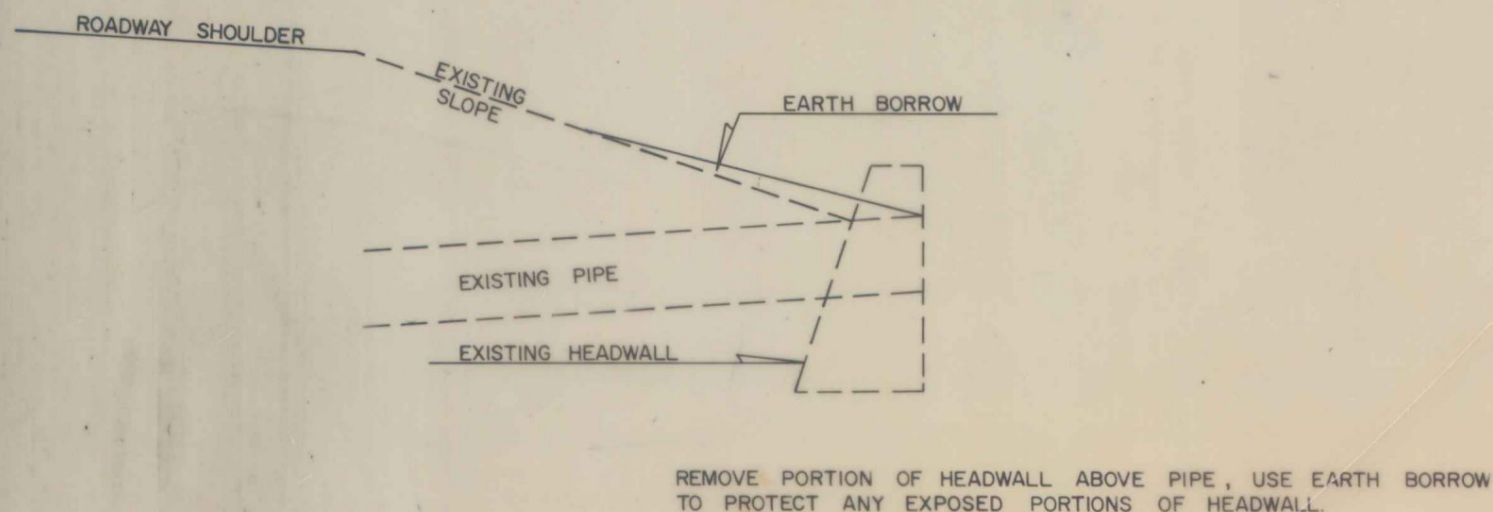
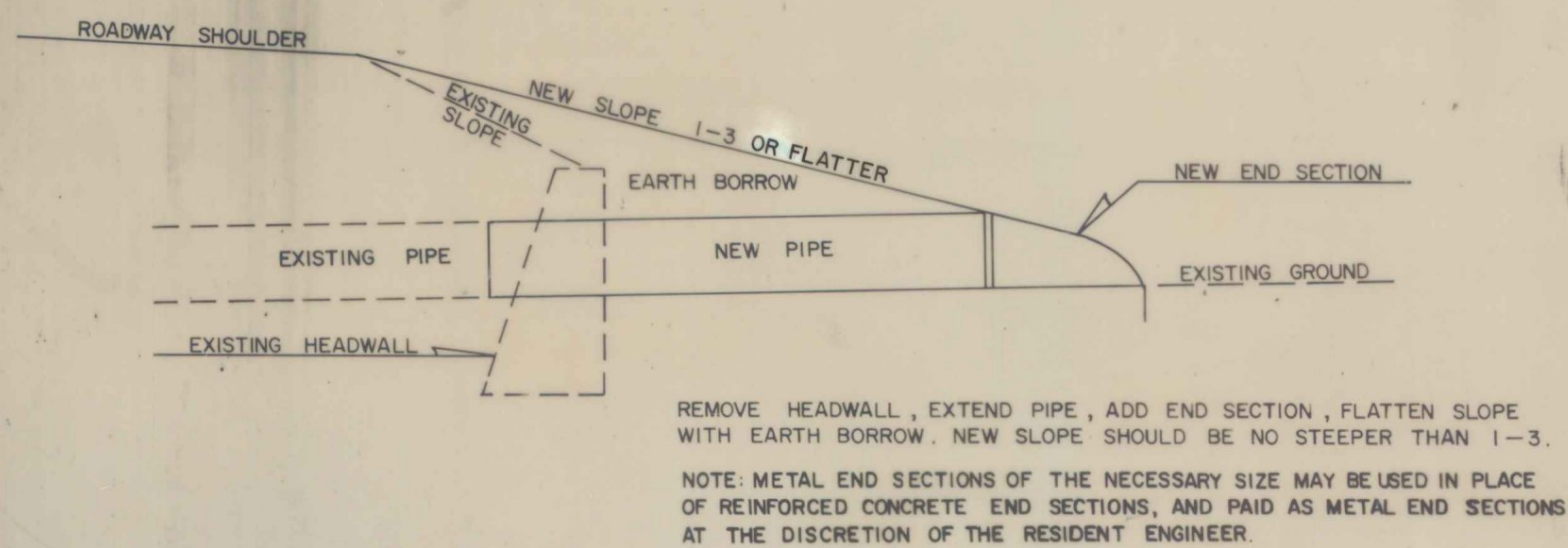
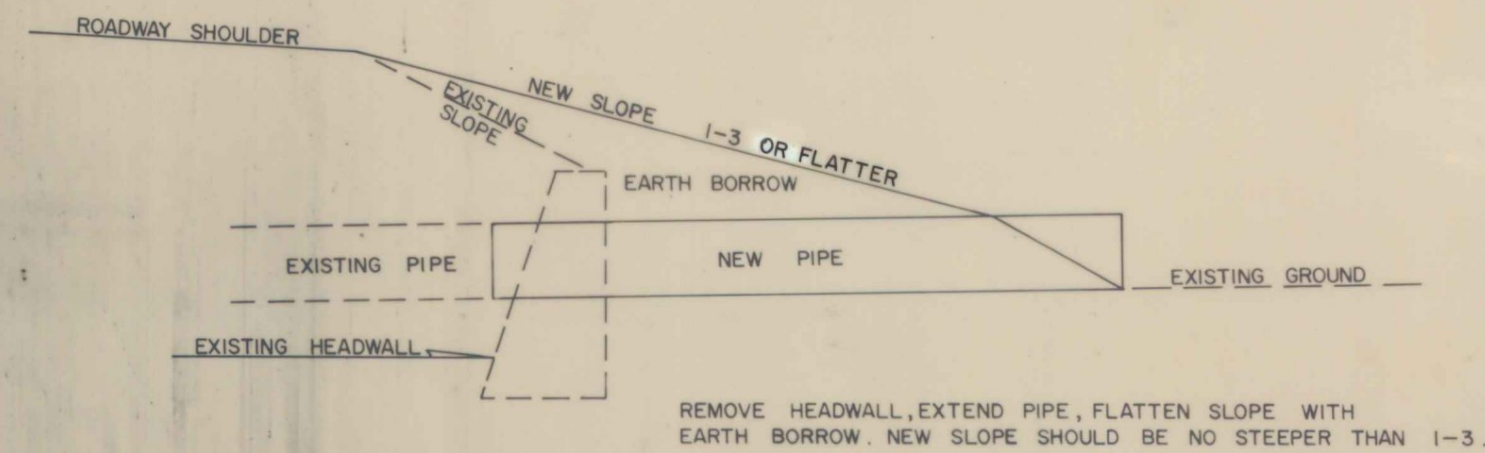
DISTRICT G

MORRISTOWN ~ WOLCOTT

F 030 - 2(16)

SHEET 10 OF 108 SHEETS

DRAINAGE DETAILS



NOTE: ALL AREAS WHERE DISTURBED TO BE SEEDED WITH APPROPRIATE FORMULA, COST TO BE SUBSIDIARY TO OTHER ITEMS ON THIS PROJECT.

ALL EXISTING MARKER POSTS WITH A DIAMETER GREATER THAN 5 1/2" AND WITHIN 10' OF THE EDGE OF PAVEMENT ARE TO BE REPLACED w/NEW WOOD MARKER POSTS. (REMOVAL OF EXISTING SUBSIDIARY TO THIS ITEM.)

SEEDING FORMULA, RURAL AREAS

% 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	88
16.67	10	PERENNIAL RYE GRASS (VAR. PENNFINE)	95	85
8.34	5	ALFALFA (VAR. SARANAC)	99	85
8.33	5	BIRDSFOOT TREFOIL (VAR. EMPIRE)	98	85
5.00	3	HIGHLAND BENT GRASS	92	85
100.00	60			

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

HAY MULCH TO BE PLACED ON ALL EARTH SLOPES AT THE RATE OF TWO TONS PER ACRE.

FERTILIZER SHALL BE MIXED AS FOLLOWS:

NITROGEN	10 %
PHOSPHORUS	20 %
POTASH	10 %

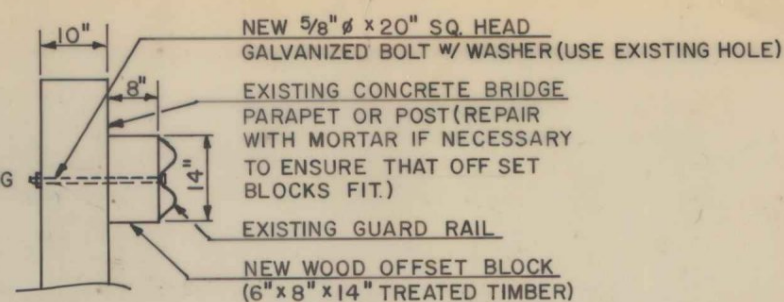
FERTILIZER SHALL BE DELIVERED IN BAGS OF NOT TO EXCEED 100 LBS. EACH AND IS TO BE APPLIED AT THE RATE OF 500 LBS. PER ACRE.

AGRICULTURAL LIMESTONE TO BE APPLIED TO ALL EARTH SLOPES AT THE RATE OF TWO TONS PER ACRE OR AS DIRECTED BY THE ENGINEER.

SEEDING FORMULA, URBAN AREAS

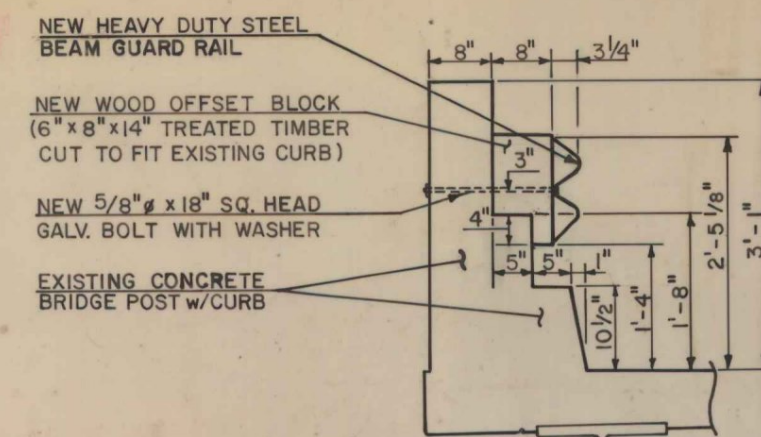
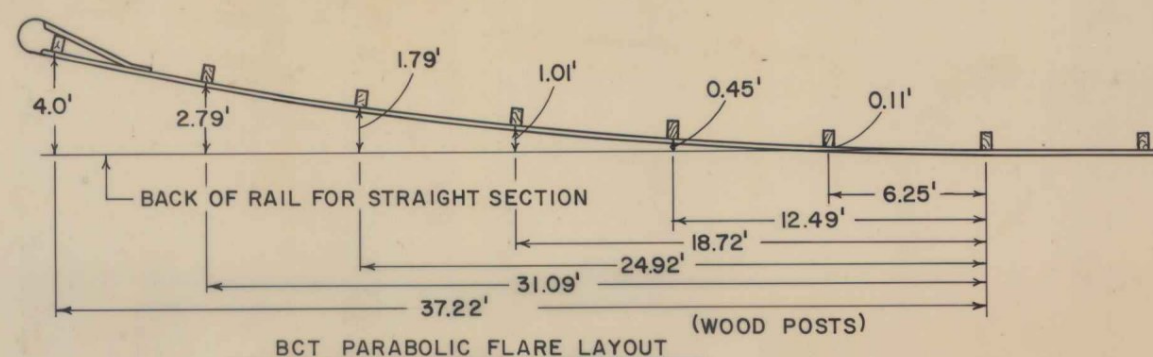
% WT	LBS/A	NAME	% PUR	GERM %
37.50	30	CREeping RED FESCUE (VAR. PENNLAWN)	98	85
31.25	25	KENTUCKY BLUEGRASS (COMMON)	85	75
31.25	25	PERENNIAL RYE GRASS (VAR. PENNFINE)	95	90
100.00	80			

NOTE: ALL WORK AND MATERIALS NECESSARY TO OFFSET EXISTING RAIL SHALL BE PAID FOR UNDER THE ITEM "REMOVING & RESETTING GUARD RAIL."



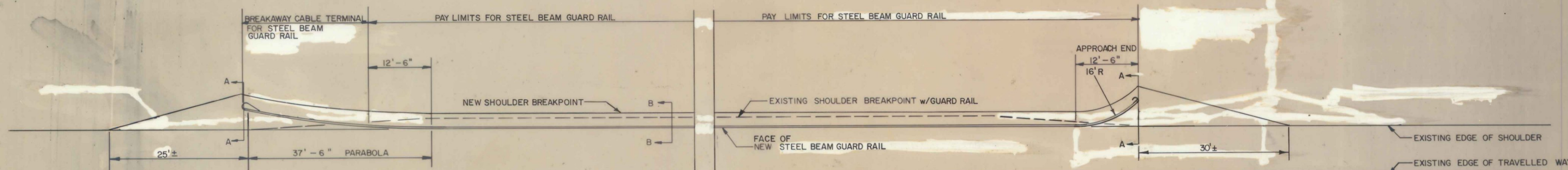
BRIDGE RAIL DETAIL AT STOWE M.M. 1.52

GUARDRAIL DETAILS



BRIDGE RAIL DETAIL AT WOLCOTT M.M. 2.30

- NOTES -**
- 1- ALL WORK & MATERIALS NECESSARY TO INSTALL RAIL WILL BE PAID FOR UNDER THE ITEM "HEAVY DUTY STEEL BEAM GUARD RAIL."
 - 2- HEAVY DUTY RAIL AT THE BRIDGE APPROACHES (25'-0") IS TO BE SPACED ACCORDING TO STD. SB-R6-82, SCHEDULE II.
 - 3- IF NECESSARY, EXISTING POSTS SHALL BE REPAIRED WITH MORTAR TO ENSURE THAT OFFSET BLOCKS FIT.

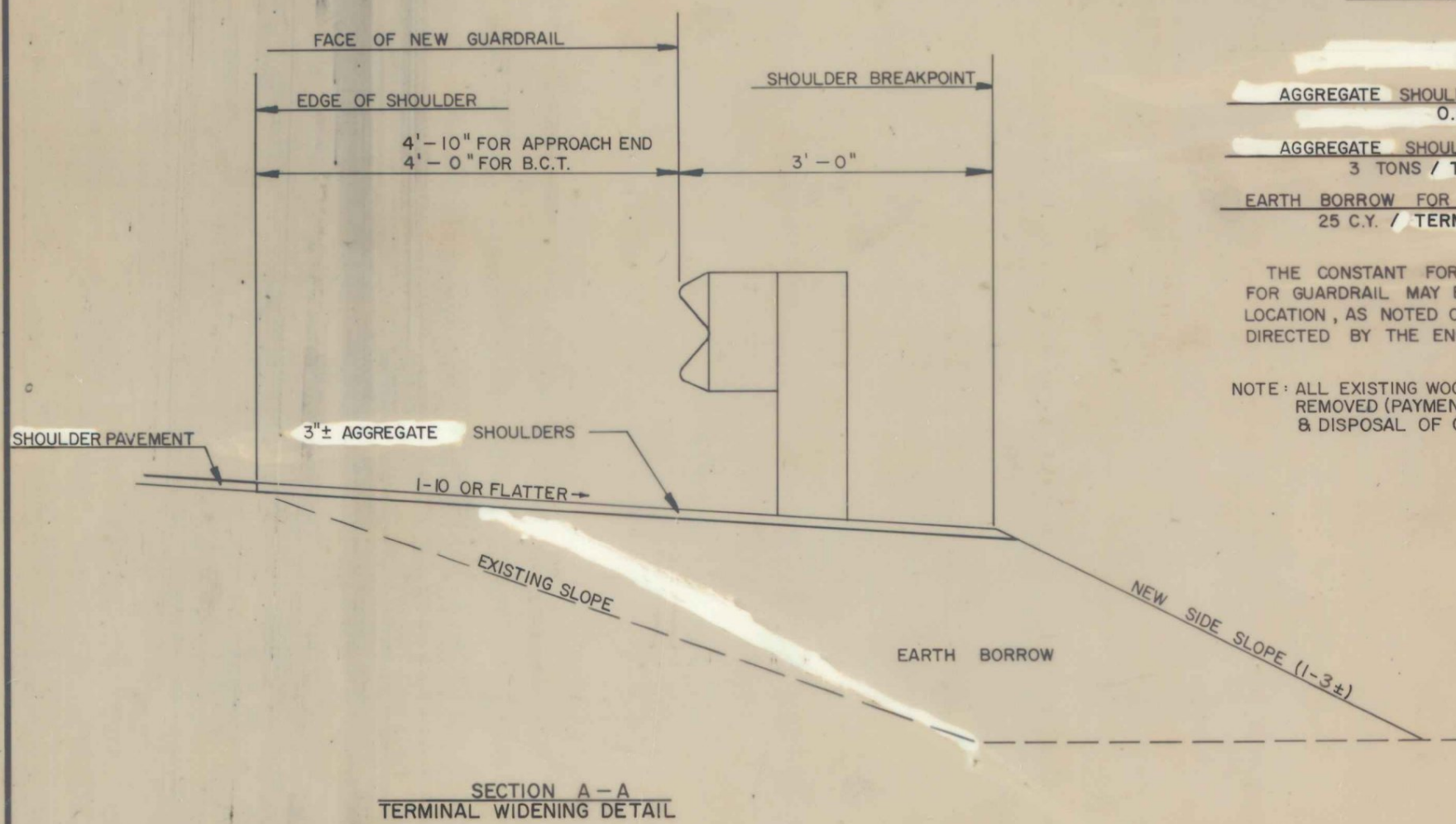


TYPICAL GUARDRAIL INSTALLATION w/B.C.T.

TYPICAL GUARDRAIL INSTALLATION w/APPROACH END

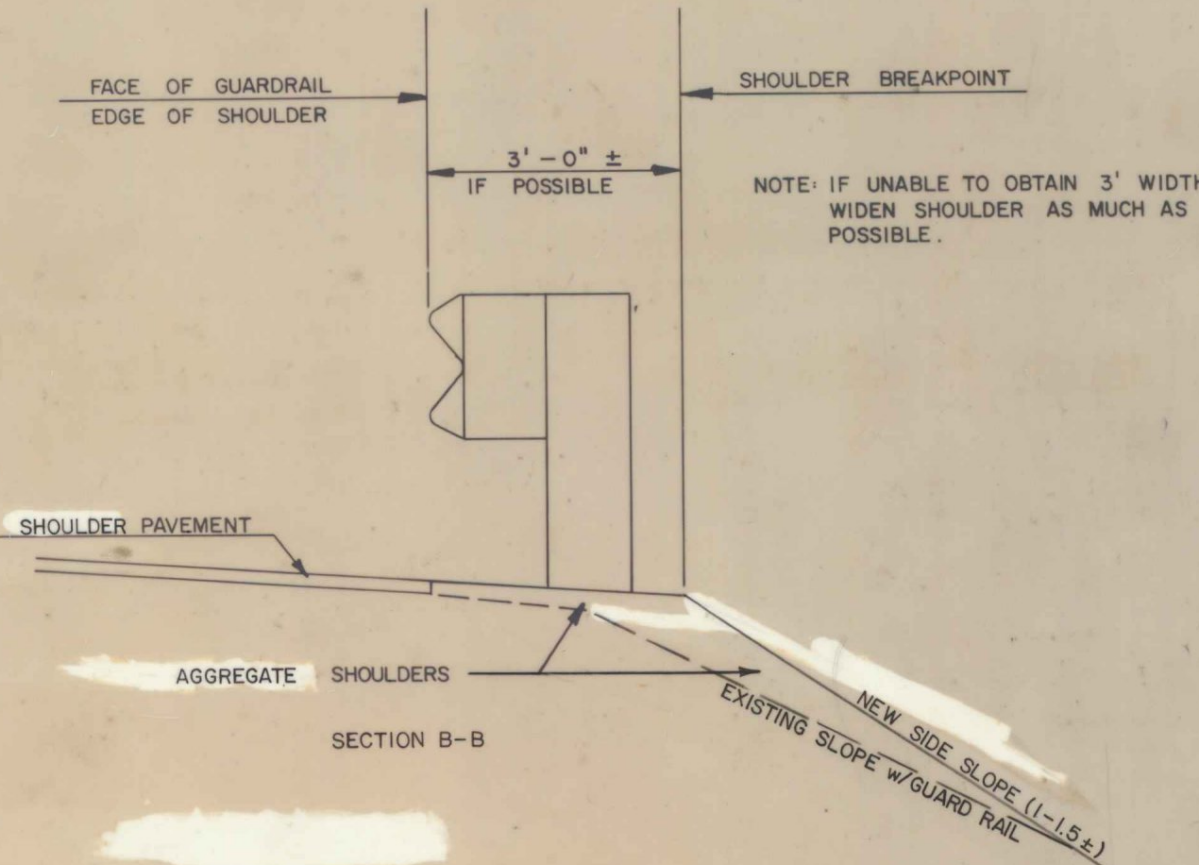
ESTIMATING CONSTANTS

- AGGREGATE SHOULDERS FOR GUARDRAIL REPLACEMENT 0.20 TON / L.F.
 - AGGREGATE SHOULDERS FOR TERMINAL WIDENING 3 TONS / TERMINAL
 - EARTH BORROW FOR TERMINAL WIDENING 25 C.Y. / TERMINAL
- THE CONSTANT FOR AGGREGATE SHOULDERS FOR GUARDRAIL MAY BE APPLIED TO ANY SHOULDER LOCATION, AS NOTED ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.
- NOTE: ALL EXISTING WOOD GUIDE POSTS ON PROJECT SHALL BE REMOVED (PAYMENT TO BE SUBSIDIARY TO ITEM "REMOVAL & DISPOSAL OF GUARD RAIL").

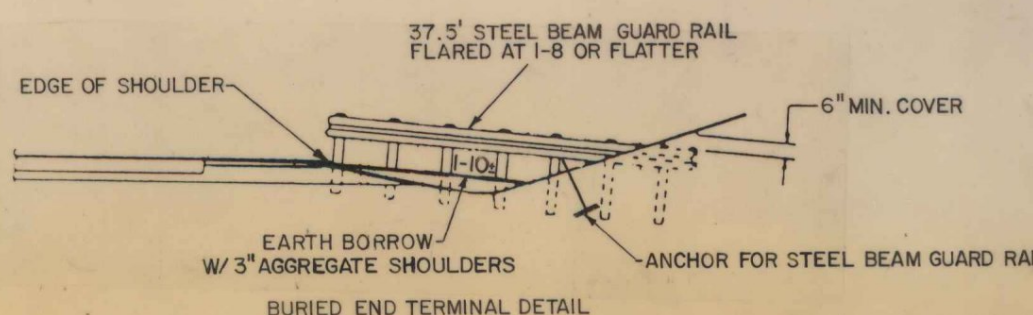


SECTION A-A
TERMINAL WIDENING DETAIL

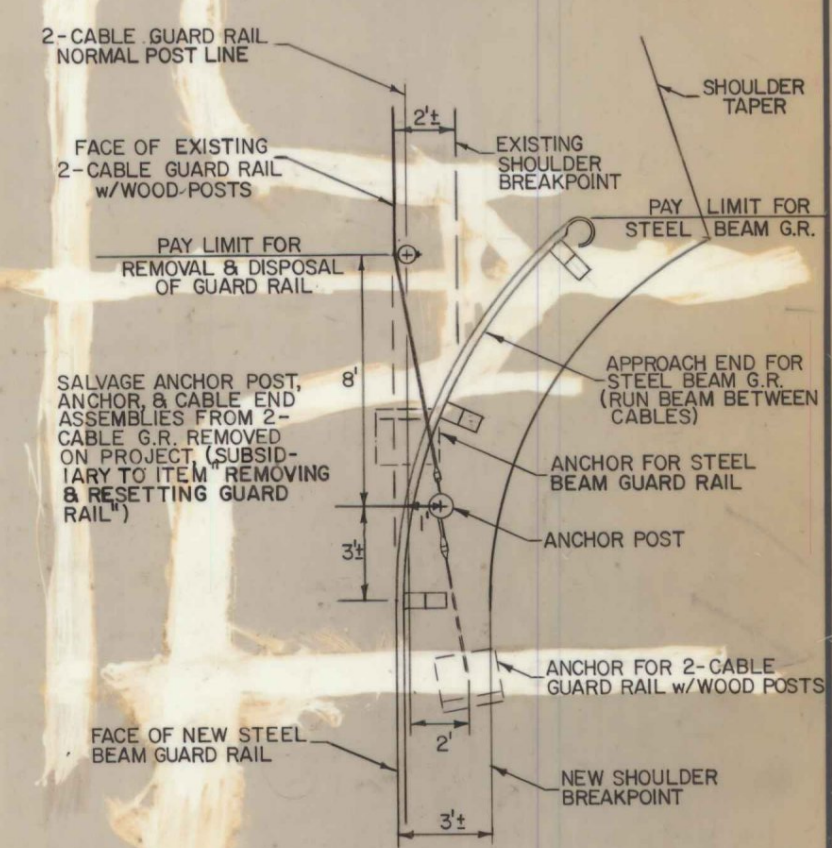
NOTE: CONTRACTOR WILL ENSURE THAT DRAINAGE WILL FLOW THROUGH GUARDRAIL TERMINAL WIDENING AREAS.



SECTION B-B



BURIED END TERMINAL DETAIL



TRANSITION FROM STEEL BEAM GUARD RAIL TO 2-CABLE w/ WOOD POSTS (MORRISTOWN-WOLCOTT, TH 38 AT WOLCOTT M.M. 2.02 RT)

MAILBOX SUPPORT HARDWARE

(DOUBLE SUPPORT)

WATERBURY M.M. 1.07 RT.

(COMPILED FROM "A GUIDE FOR ERECTING MAILBOXES ON HIGHWAYS" A-SHTO, 1985)

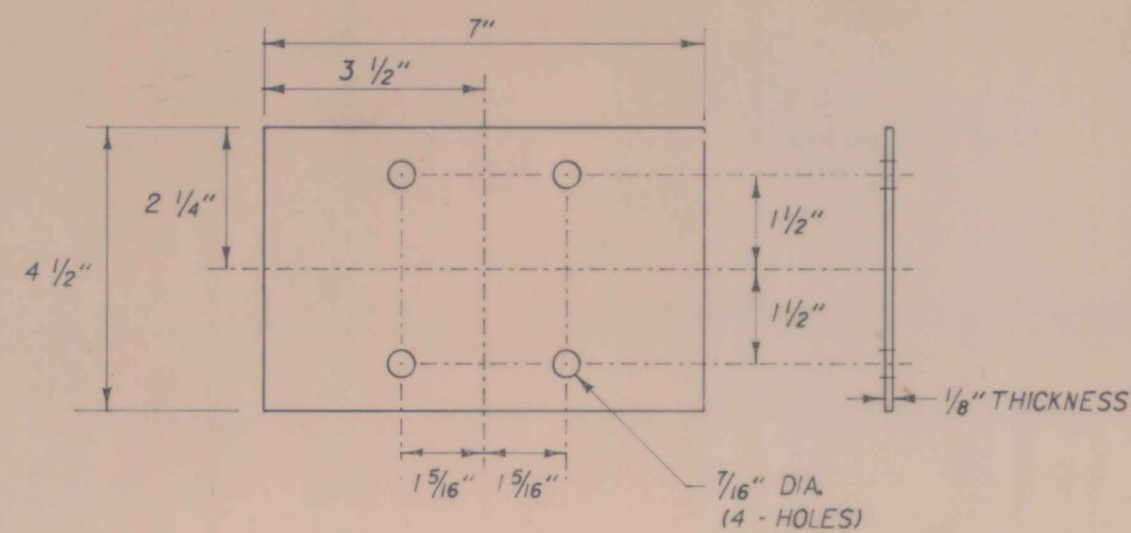
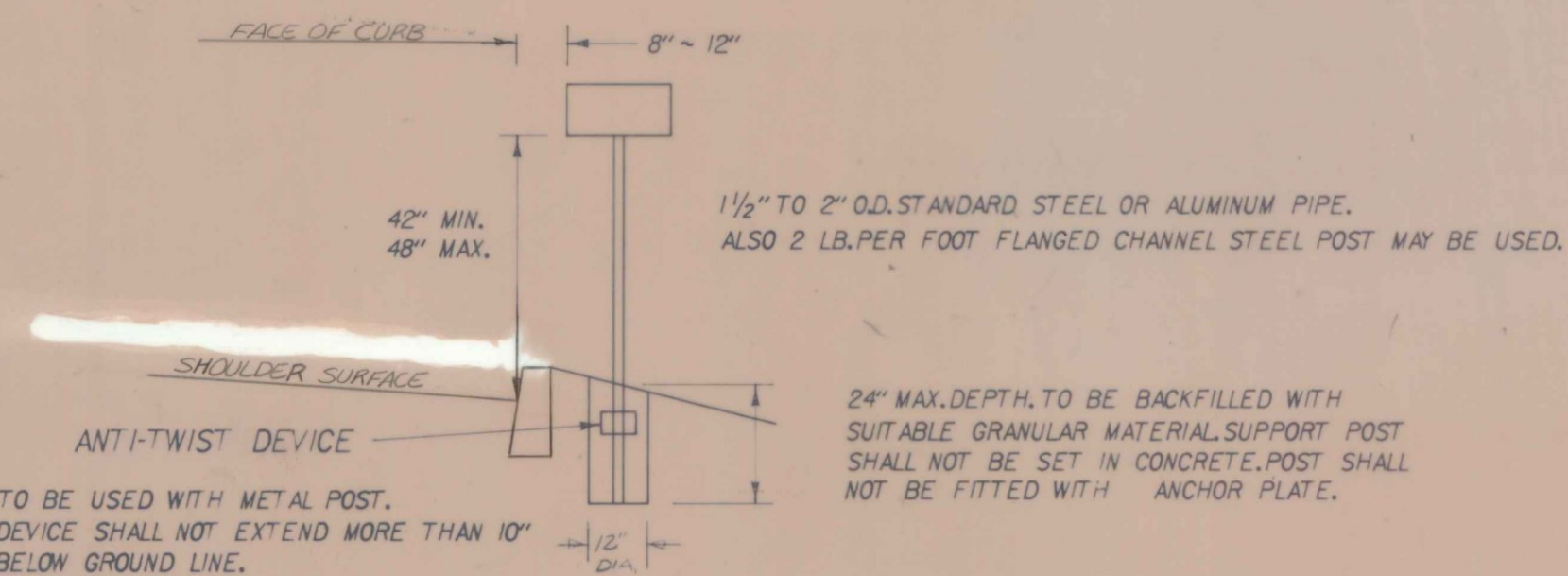
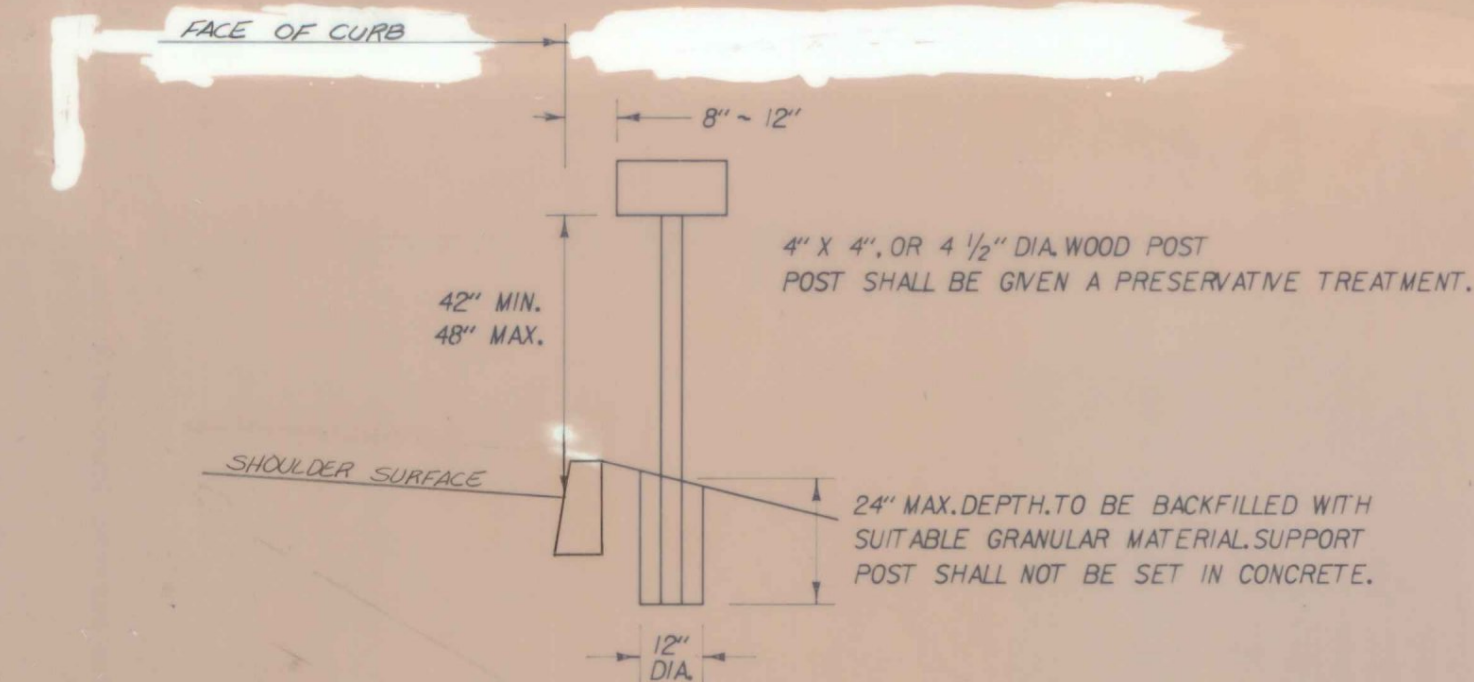
NOTES

1 ONLY LIGHTWEIGHT MAILBOXES MADE OF LIGHT SHEET METAL OR PLASTIC SHALL BE USED. MAILBOXES SHALL MEET REQUIREMENTS AND APPROVAL OF THE U.S. POSTAL SERVICE.

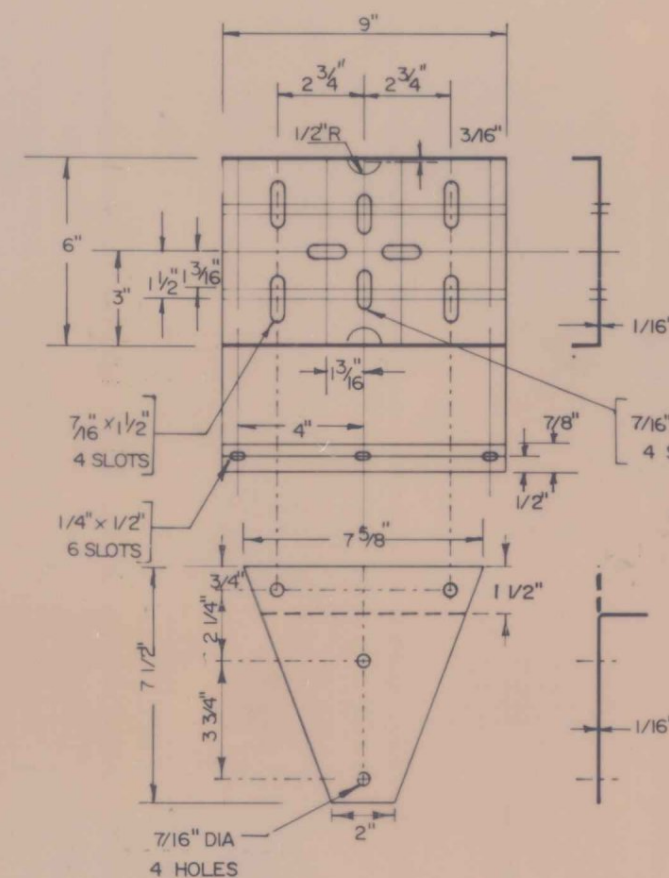
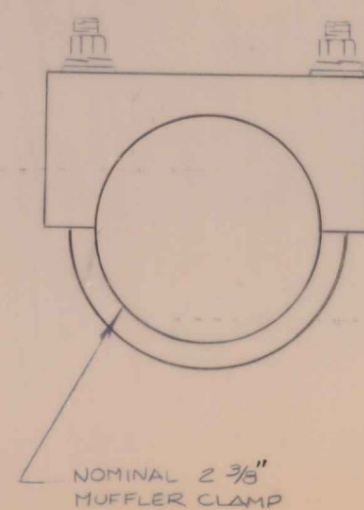
2 AN ALTERNATE MAILBOX SUPPORT STRUCTURE DESIGN AND CONSTRUCTION MAY BE USED AS LONG AS PROVEN CRASHWORTHY AND MEETS GUIDELINES AS SET OUT IN AASHTO'S "GUIDE FOR ERECTING MAILBOXES ON HIGHWAYS". SUPPORT STRUCTURE SHALL ALSO MEET REQUIREMENTS OF THE U.S. POSTAL SERVICE.

3 THE MINIMUM ALLOWABLE DISTANCE BETWEEN SUCCESSIVE MAILBOX SUPPORTS SHALL BE THREE FEET.

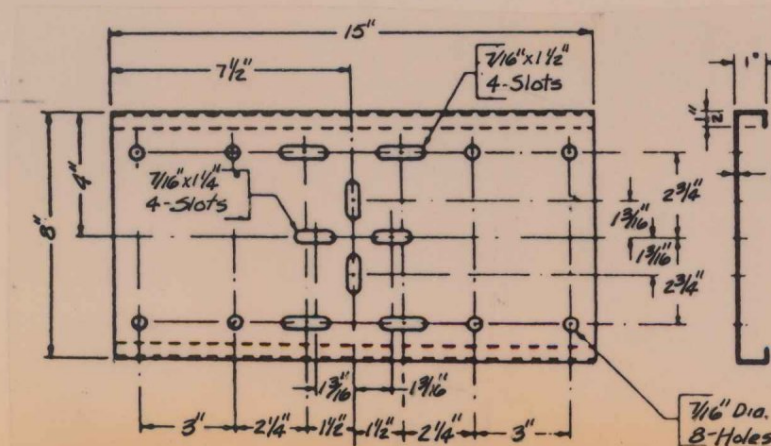
4 MAILBOX SUPPORTS OF 4"x4" WOOD, 4 1/2" DIA. WOOD OR 2" STEEL OR ALUMINUM ARE ALL ALLOWABLE ALTERNATES.



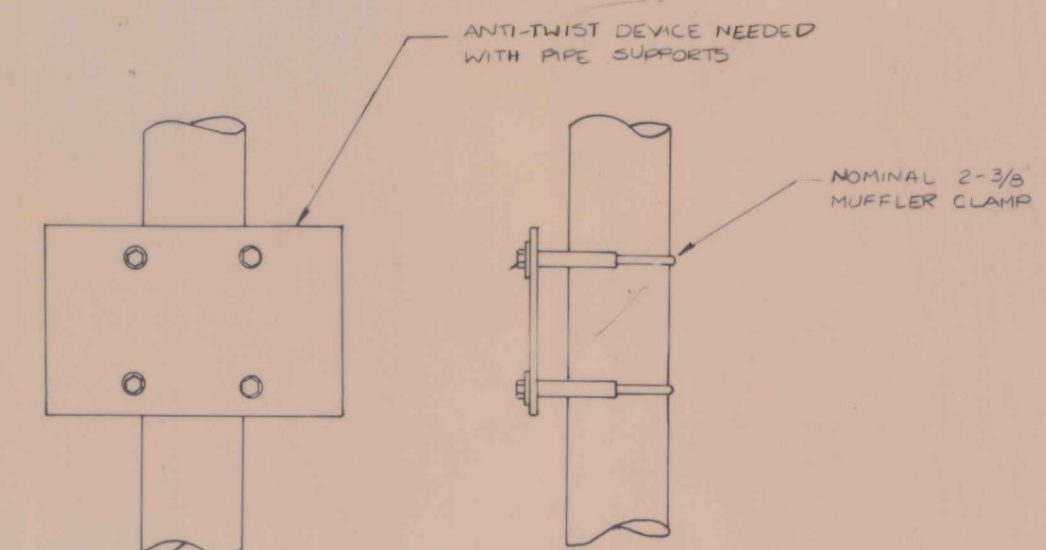
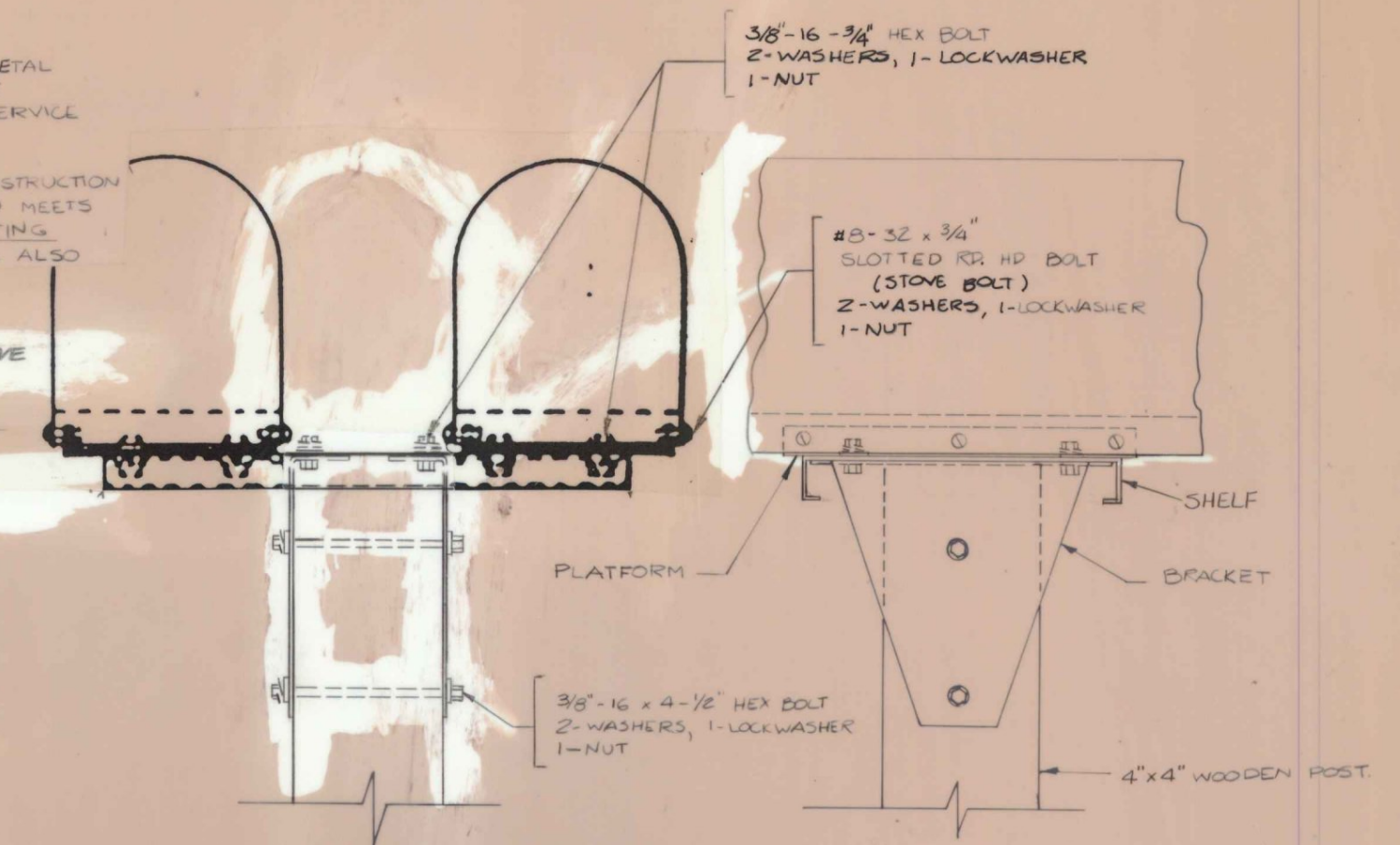
ANTI-TWIST DEVICE DETAIL



PLATFORM & BRACKET DETAIL



SHELF DETAIL



ANTI-TWIST DEVICE ASSEMBLY

DATUM

VERTICAL _____

HORIZONTAL _____

SURVEYED BY _____ DATE _____

DRAWN BY _____ DATE _____

TRACED BY _____ DATE _____

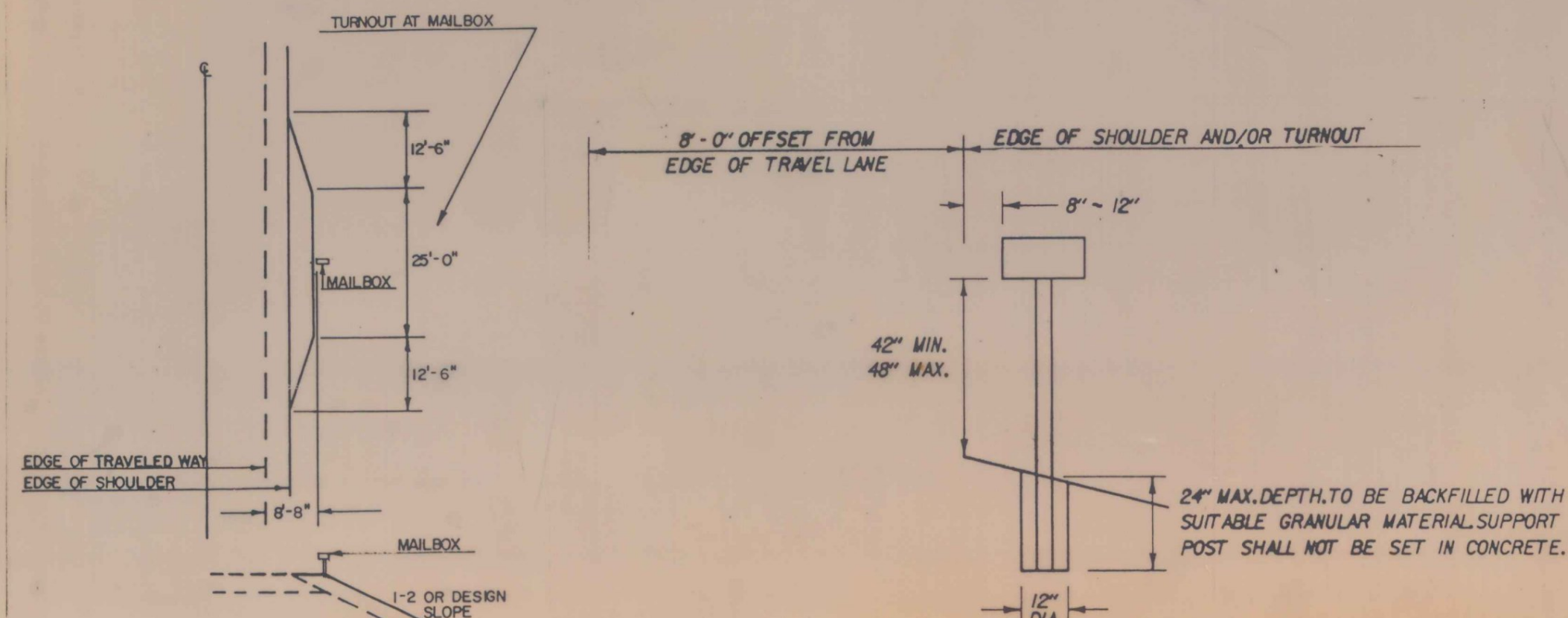
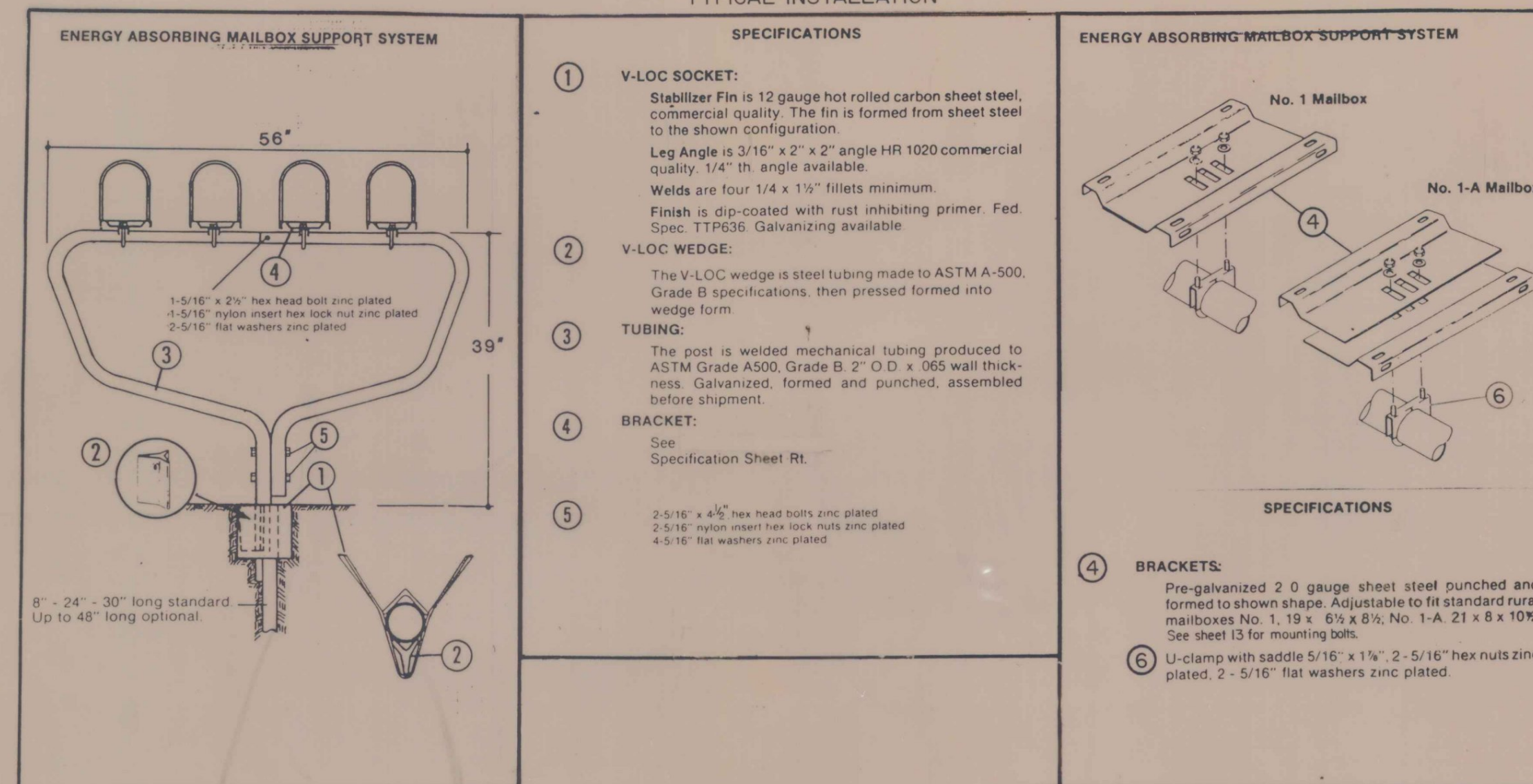
1986 PAVING PROGRAM -
DISTRICT 6

SHEET 13 OF 108

MAILBOX SUPPORT HARDWARE

(MULTIPLE SUPPORT)
WATERBURY M.M. 2.70 LT.

TYPICAL INSTALLATION



NOTES

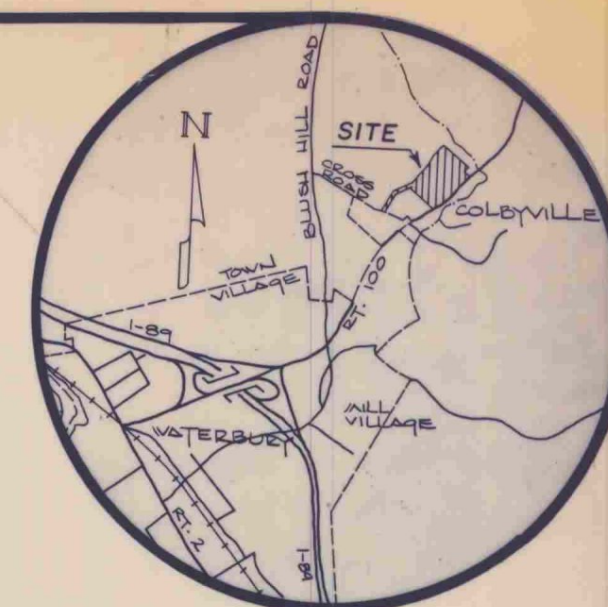
- ONLY LIGHTWEIGHT MAILBOXES MADE OF LIGHT SHEET METAL OR PLASTIC SHALL BE USED. MAILBOXES SHALL MEET REQUIREMENTS AND APPROVAL OF THE U.S. POSTAL SERVICE.
- AN ALTERNATE MAILBOX SUPPORT STRUCTURE DESIGN AND CONSTRUCTION MAY BE USED AS LONG AS PROVEN CRASHWORTHY AND MEETS GUIDELINES AS SET OUT IN AASHTO'S GUIDE FOR PRETTING MAILBOXES ON HIGHWAYS. SUPPORT STRUCTURE SHALL ALSO MEET REQUIREMENTS OF THE U.S. POSTAL SERVICE.
- IF THE STANDARD TURNOUT OFFSET CANNOT BE ATTAINED DUE TO RIGHT-OF-WAY CONSTRAINTS OR OTHER REASONS, THE TURNOUT SHALL BE MODIFIED AS DIRECTED BY THE ENGINEER.

SURVEYED BY _____ DATE _____
DRAWN BY _____ DATE _____
TRACED BY _____ DATE _____

1986 PAVING PROGRAM
DISTRICT 6
NO. _____
SHEET 14 OF 103

LEGEND

- 123 PERIMETER PROPERTY LINE
- EXISTING CONTOUR LINE
- EXISTING STRUCTURE
- PROPOSED STRUCTURE
- POWER POLE
- EXISTING YARD LIGHT
- PROPOSED CONTOUR LINE
- EXISTING WATER LINE
- PROPOSED WATER LINE & VALVE
- EXISTING FORCE MAIN
- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- EXISTING STORM & INLET
- PROPOSED STORM & HEADWALL/INLET
- EXISTING FENCE
- EROSION CONTROL BARRIER TYPE & SEQUENCE
- FIRE SYSTEM WATER LINE & HYDRANT/POST INDICATOR VALVE
- NEW OR REPLACED PAVING
- PROPOSED YARD LIGHT



LOCUS

NOTES

- AS-BUILT ON THIS PLAN INCLUDE THE BUILDING/STRUCTURE LOCATIONS AS OF JANUARY 1986, EXISTING PARKING LOTS, ROADS & FENCE.
- EXISTING TOPOGRAPHY HAS BEEN CHECKED ONLY AROUND THE BUILDING AND ON THE EASTERLY SIDE OF THE BUILDING.
- LOCATED AS-BUILT UTILITIES ARE LIMITED TO THE PROCESS WASTE TANKS. ALL OTHER UTILITIES SHOWN ARE FROM DESIGN LAYOUT OR FIELD OBSERVATIONS DURING CONSTRUCTION.
- CONTOURS SHOWN ARE TAKEN FROM ORIGINAL BASE DRAWINGS, "ADJUSTED" TO DESIGN CONTOURS, AND REPRESENT AS-BUILT CONTOURS ONLY AS DESCRIBED IN NOTE 2 ABOVE.
- PORTIONS OF THE WORK SHOWN HEREON AS "PROPOSED" HAVE BEEN COMPLETED AS "PHASE I", SPECIFICALLY, BUT NOT ALL-INCLUSIVELY, COMPLETED WORK CONSISTS OF: EARTHWORK ON THE WESTERLY SIDE OF THE BUILDING; WESTERLY END OF UPPER PARKING LOT; "SHADED" PAVEMENT AREA; FIRE PROTECTION TANK & PUMP HOUSE; FIRE SYSTEM WATER LINES

Note: Sheets 15 & 16 are to provide details for widening VT 100 only (Non-Govt. Part)

NO.	REVISIONS	DATE
1	CHANGE SIGN; ADD SIGN	4-10-87
2	CHANGE PAPER TO LEFT TURN LANE; ADD NOTE PRINTED ISLAND DETAIL	3-25-87

SCALE: 1" = 40'



BEN & JERRY'S
HOMEMADE INC.

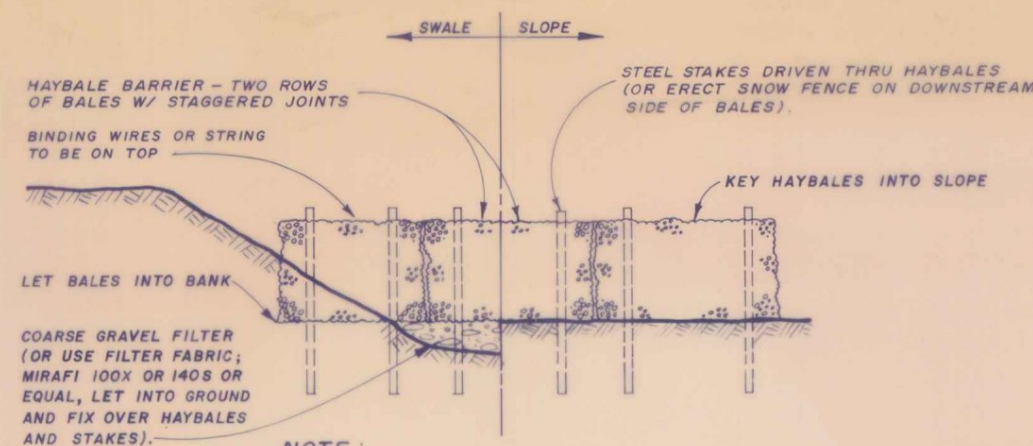
REVISED SITE PLAN

FITZPATRICK-LEWELLYN
INCORPORATED

ENGINEERING AND PLANNING SERVICES
ESSEX JUNCTION VERMONT

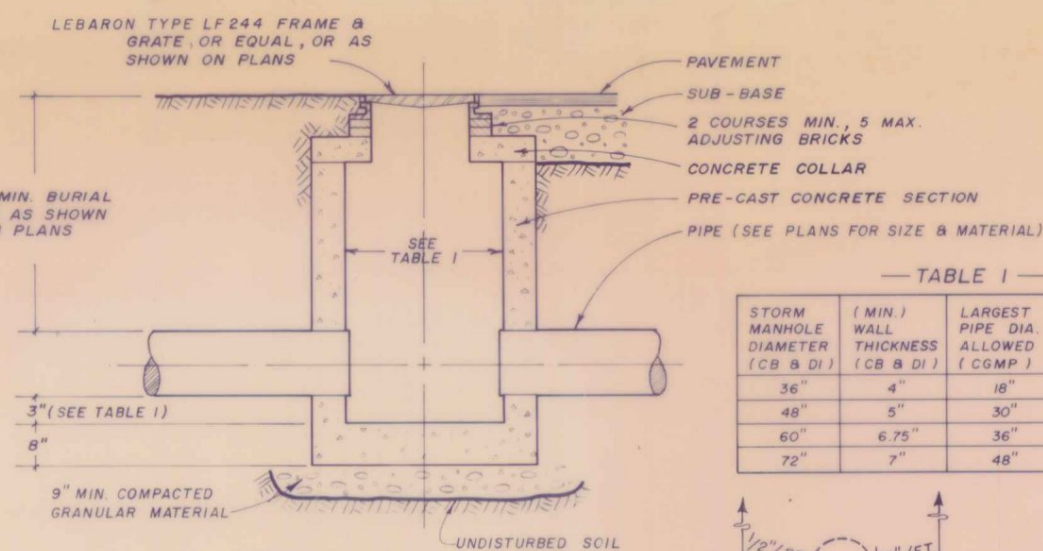
PROJECT NUMBER
86011
DATE
FEB. 1987
DRAWN BY
F.L.I.
DESIGNED BY
D-1623
SHEET
15 OF 103

NO.	REVISIONS	DATE
1	TURN LANE SEE 150' ARE LOWER PARKING LOT, GRADING, FIRE LANE AND BUILDING, ADD, MODIFY POND, ADD ROAD & PARKING TO SATELLITE BUILDING, ADD WATER BOOSTER STATION	FEB. 87
2	EXISTING CONTOURS CHANGED TO SHOW NEW FILL	12-19-86
3	REVISE FUEL OIL STORAGE TANK; MOVE WATER LINE; ADD UNDERDRAIN	6-9-86
4	MOVE TANK; CHANGE CONTOURS; ADD CURB	8-24-86
5	TURNED TANK, ADDED FIRE WATER LINE, ABOVE HYDRANT; ADD POST INDICATOR & 2 PARKING SPACES	8-20-86
6	ADD 18" CULVERT AT SOUTHERN END OF SITE	7-31-86



TYPICAL TEMPORARY HAYBALE EROSION CONTROL BARRIER (TYPE A)
NTS

NOTE:
TO BE INSTALLED AT 50' TO 75' INTERVALS
DEPENDING ON PITCH, OR AS SHOWN ON PLANS.

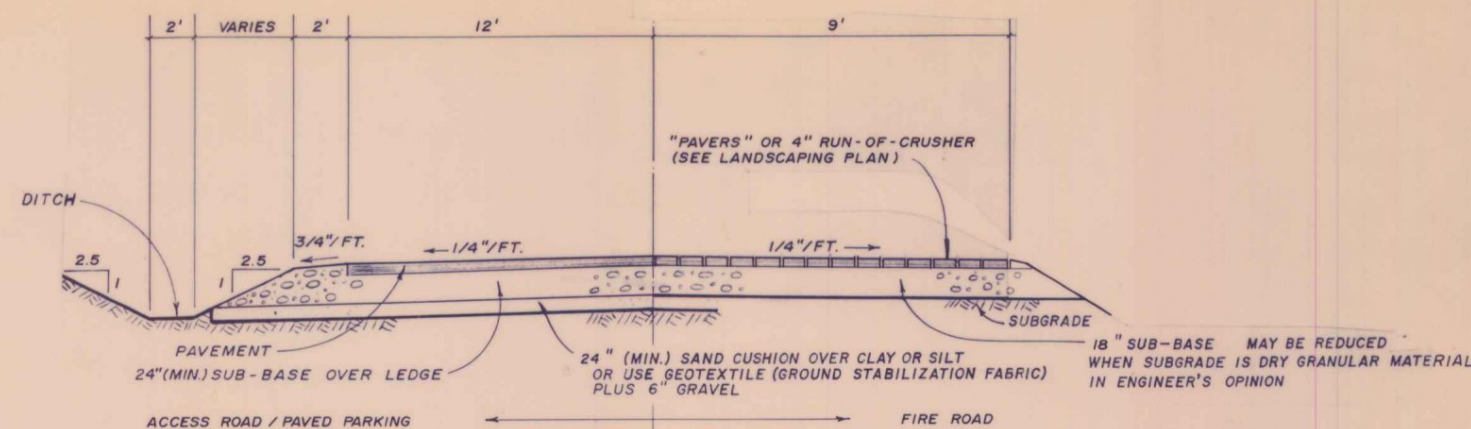
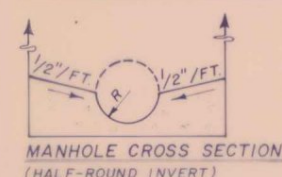


TYPICAL DROP INLET / MANHOLE
NTS

NOTE:
PROVIDE CAST IN PLACE ALUMINUM
MANHOLE STEPS (NEENAH R1982 W
OR EQUAL) WHEN DEPTH EXCEEDS
6'-0\"/>

TABLE 1

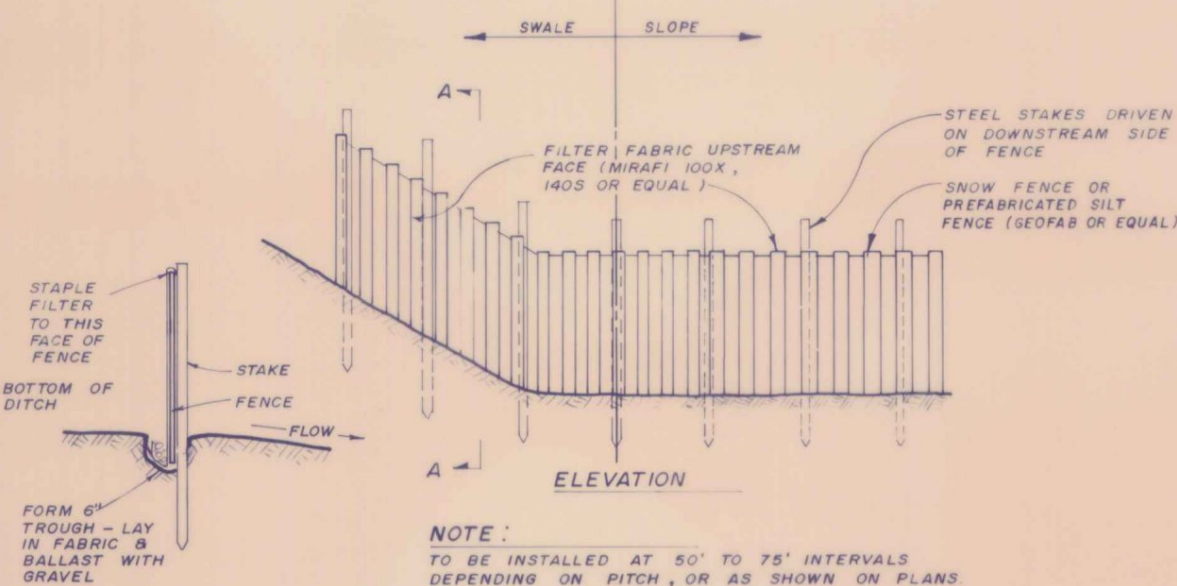
STORM MANHOLE DIAMETER (CB & DI)	(MIN.) WALL THICKNESS (CB & DI)	LARGEST PIPE DIA. ALLOWED (CIMP)	PROVIDE HALF-ROUND INVERT (SEE DETAIL)
36"	4"	18"	NO
48"	5"	30"	YES
60"	6.75"	36"	YES
72"	7"	48"	YES



ROAD NOTES

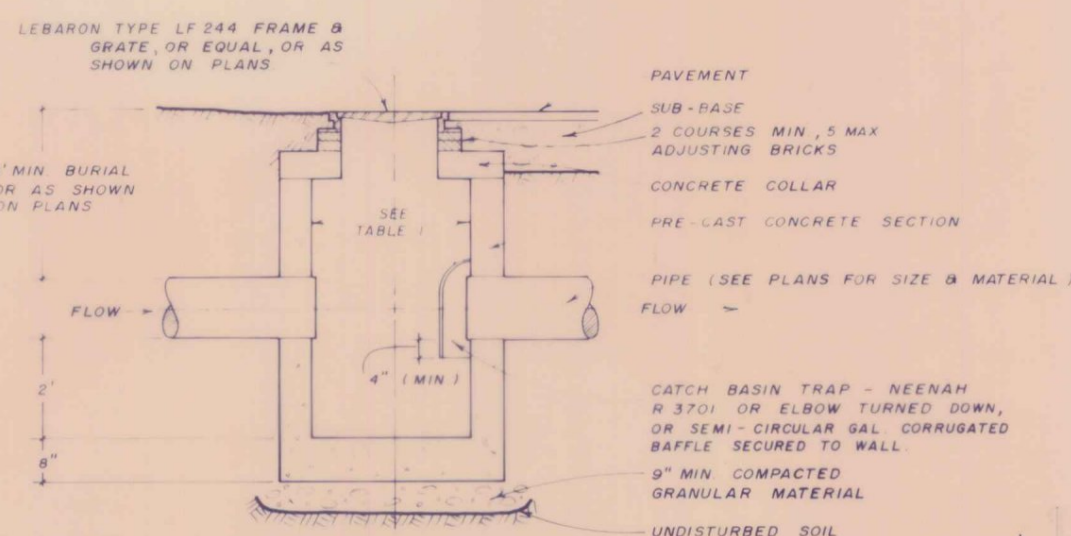
GRAVEL: ALL GRAVEL & CRUSHED GRAVEL FOR SUB-BASE USE SHALL CONFORM TO VERMONT DEPT. OF HIGHWAYS (VDOT) SPECIFICATION 704.05 - "GRAVEL FOR SUB-BASE", & 704.07 "CRUSHED GRAVEL FOR SUB-BASE".
SUBGRADE: CONSTRUCTION SHALL CONFORM TO VDOT SPEC. 203.11 "SUBGRADE" WITH RESPECT TO MATERIAL QUALITY AND COMPACTION.
SUB-BASE: SUB-BASE MATERIAL SHALL BE PLACED IN TWO EQUAL LAYERS, EACH COMPACTED TO AT LEAST 95% MAXIMUM DRY DENSITY (A.A.S.H.T.O. T-99-C).
PAVEMENT: PAVEMENT SHALL CONSIST OF TWO BITUMINOUS COURSES, CONFORMING TO VDOT SPEC. 406 "BITUMINOUS CONCRETE PAVEMENT".
1 1/2" OF TYPE II COMPOSITION (BASE COURSE) } FOR GRAVEL ROAD & PARKING SUBSTITUTE 4" RUN-OF-CRUSHER
2.1" OF TYPE IV COMPOSITION (WEAR COURSE) }
SAND: SAND SHALL CONFORM TO VDOT SPEC. 703.03 "SAND BORROW AND CUSHION."

TYPICAL ROAD / FIRE ROAD / PARKING LOT CROSS SECTION
NTS



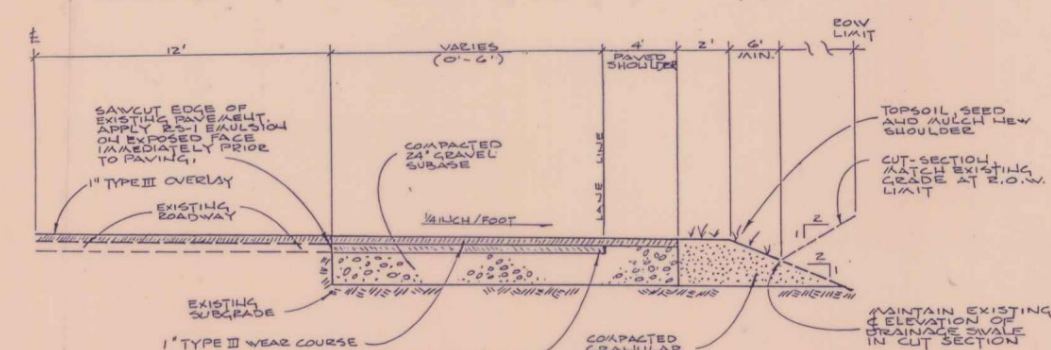
TYPICAL TEMPORARY SNOW FENCE EROSION CONTROL BARRIER (TYPE B)
NTS

NOTE:
TO BE INSTALLED AT 50' TO 75' INTERVALS
DEPENDING ON PITCH, OR AS SHOWN ON PLANS.

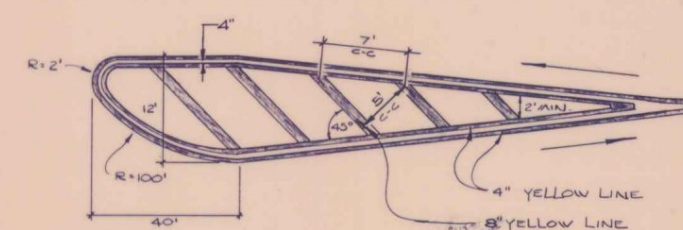


TYPICAL CATCH BASIN / TRAP
NTS

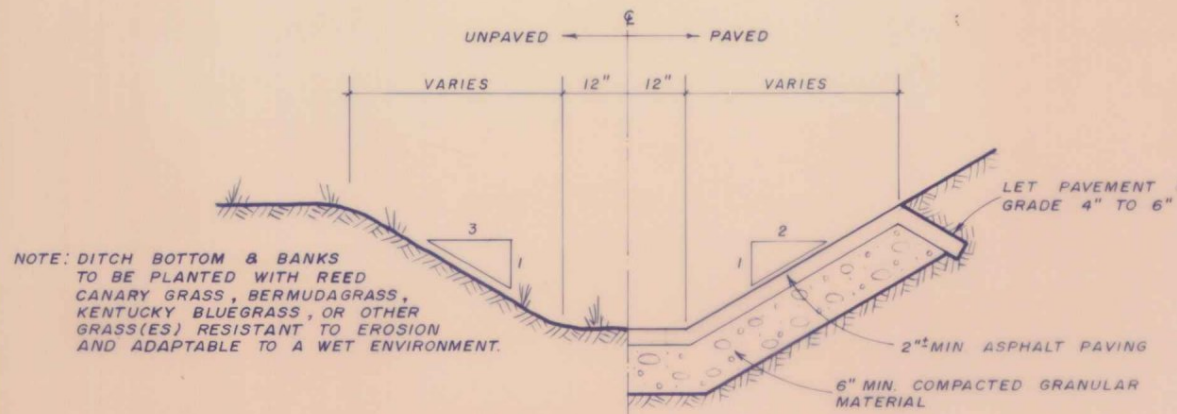
NOTE:
PROVIDE CAST IN PLACE ALUMINUM
MANHOLE STEPS (NEENAH R1982 W
OR EQUAL) WHEN DEPTH EXCEEDS
6'-0\"/>



PAVEMENT WIDENING CROSS SECTION
NTS

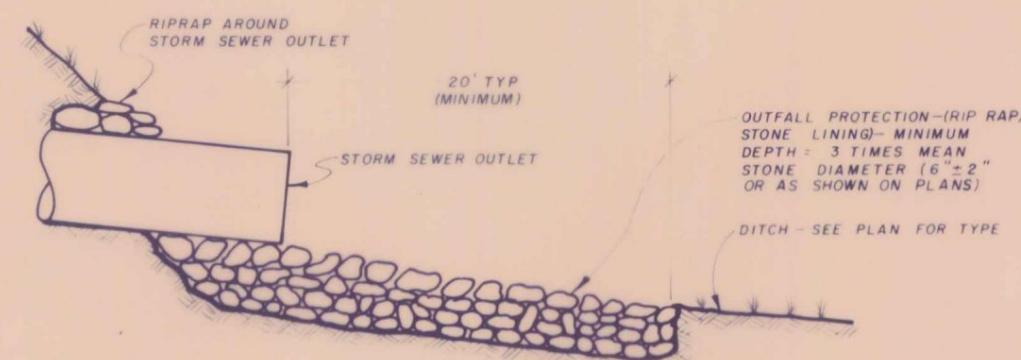


PAINTED ISLAND DETAIL
NTS



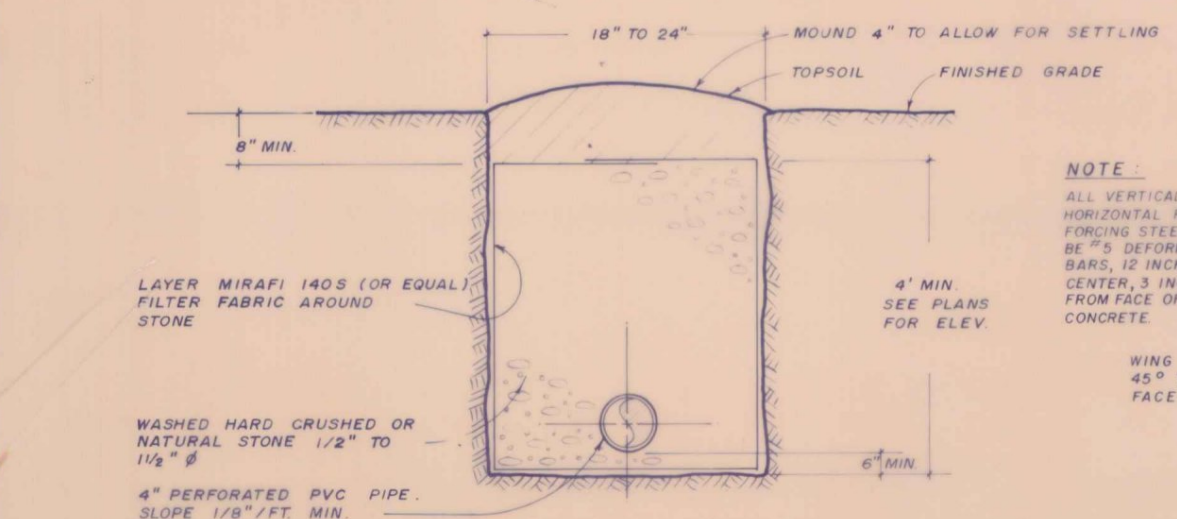
PAVED / UNPAVED DITCH DETAIL
NTS

NOTE: LINED DITCHES SHALL HAVE STONES INSTEAD OF ASPHALT. STONES SHALL BE A MINIMUM OF 6" (152) IN DIAMETER, OR AS CALLED FOR ON PLANS. COMPACTED GRANULAR BEDDING SHALL BE INCREASED TO 9", OR A GEO TEXTILE SHALL BE USED.



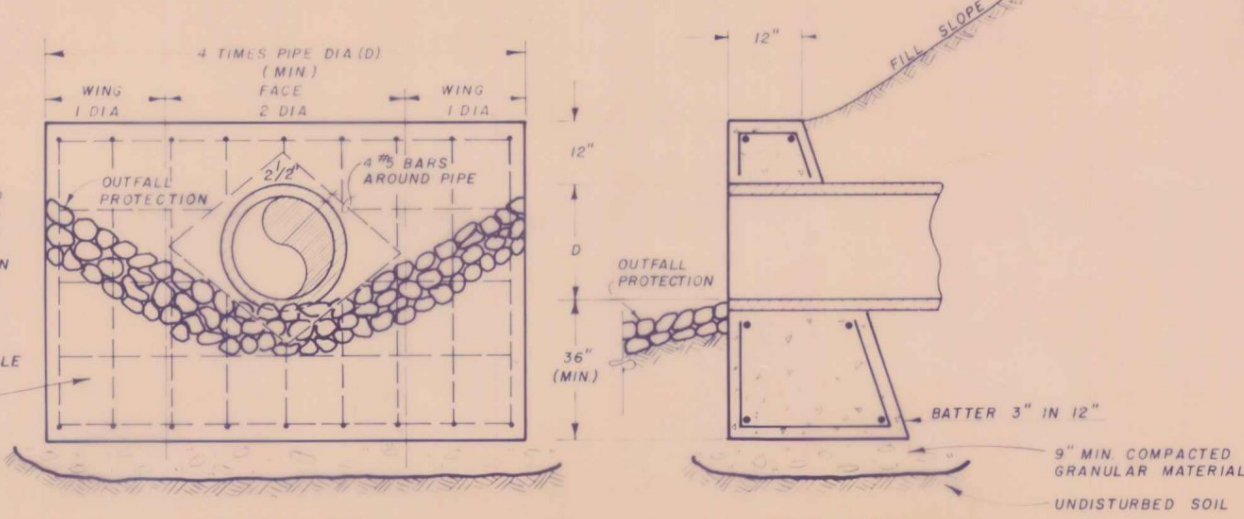
STORM SEWER OUTLET DETAIL
NTS

OUTFALL PROTECTION - RIP RAP / STONE LINING - MINIMUM DEPTH = 3 TIMES MEAN STONE DIAMETER (6\"/>

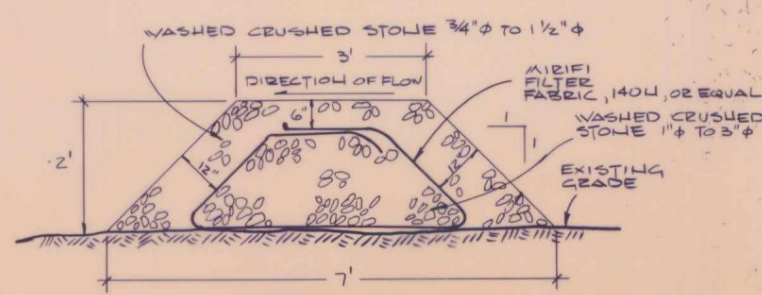


CURTAIN DRAIN DETAIL
NTS

NOTE:
ALL VERTICAL AND HORIZONTAL REINFORCING STEEL TO BE #5 DEFORMED BARS, 12 INCHES ON CENTER, 3 INCHES FROM FACE OF CONCRETE.



REINFORCED CONCRETE STORM SEWER HEADWALL
NTS



TEMPORARY SEDIMENT DAM
NTS

TO BE INSTALLED BEFORE EARTHWORK BEGINS, AT LOCATION SHOWN ON SITE PLAN. CLEAN AND OR REPLACE AS NECESSARY. REMOVE WHEN ALL UPSTREAM AREAS HAVE BEEN STABILIZED.
AUG 1986
MAY 1986
JAN 1985
MAY 1984
UPDATED: MAR 1983

EROSION CONTROL DURING CONSTRUCTION

- Before any clearing or grubbing of the site is initiated, and during all earthwork phases, sediment traps (erosion barriers) shall be constructed and maintained at the inlet to all storm drains, swales, and ditches receiving water from the Project. See typical details for types and barriers.
- All stockpiled soil shall be enclosed with an erosion control barrier, unless an existing barrier will entrap all erosion from such a stockpile or the stockpile is completely covered with vegetation that prevents erosion.
- After every storm each sediment trap shall be inspected for failures or clogging, and any failure or clogging shall be rectified.
- Sediment traps shall also be placed in newly-constructed swales, ditches, or other waterways during the construction period. The placing of these traps shall be as shown on the plans, as a minimum. Maintenance shall be as in #3 above.
- Erosion control barriers indicated on the plans are the minimum number required. It is the responsibility of the Contractor to use additional barriers as field conditions dictate and to insure that any erosion created by this Project does not reach the State's waterways or leave the site.
- New swales and unlined ditches (and any other area subject to concentrated storm runoff) shall be fertilized and seeded with the following mixture to at least two (2) feet above the channel bottom:

Seed	Lbs/Acre
Creeping Red Fescue	20
Redtop	2
Smooth Bromegrass	20
(see standard detail for alternate plantings)	
and shall have mulch applied at the rate of 1.5 tons per acre.	
7. Where the invert of new swales or ditches exceeds 25 slope, and where slope grade exceeds 50% (1 on 2 slope), making or netting securely attached to the ground shall be placed over the mulch and maintained until a permanent grass cover is established. All new swales or ditches with an invert grade more than 15 shall be lined with stones (rip-rap) or paved.	
8. All disturbed terrain at final grade shall be seeded and mulched within seven days of completion, and by October 1st at the latest. Before applying final seedling, a four (4) inch average depth of topsoil shall be placed in all disturbed areas to be seeded. Seed mixtures shall be one of the following, as appropriate.	
Embankment/Sloping Ground	Lbs/Acre
Mixture #1 a. Creeping Red Fescue	20
b. Redtop	2
c. Birdfoot Trefoil or Crownvetch	15
Mixture #2 a. Tall Fescue	10
b. Redtop	2
c. Flat Pea (Lathol)	30
Mixture #3 a. Creeping Red Fescue	15
b. Flat Pea (Lathol)	30
Flat/Level Ground	Lbs/Acre
Mixture #1 a. Kentucky Blue Grass	20
b. Creeping Red Fescue	20
c. Rye (Perennial), or Redtop	5
Mixture #2 a. Creeping Red Fescue	20
b. Redtop	2
c. Tall Fescue	20

All newly-seeded areas shall be mulched at a rate of two (2) tons per acre of hay, straw, or woodchips. Jute or other equal netting shall be used where wind or water may erode newly-placed seed or mulch. All netting, where used, shall be staked to the ground in compliance with the manufacturer's recommendations.
9. All disturbed areas not at final grade, but that will not be disturbed again for a period of greater than sixty (60) days, shall be seeded with a temporary, rapid-growing cover crop, such as rye grass and millet, and shall be mulched. Netting shall also be applied, if necessary, to stabilize the mulch and seed.

BEN & JERRY'S
HOMEMADE INC.

WATERBURY VERMONT

TYPICAL DETAILS
EROSION CONTROL & SITE FACILITIES

FITZPATRICK & LEWELLYN
INCORPORATED

ENGINEERING AND PLANNING SERVICES
ESSEX JUNCTION VERMONT

PROJECT NUMBER
86011
DATE
FEB 1987
DRAWN BY
FLI
DRAWING NUMBER
D-2029
SHEET
10 OF 108

LIST OF SHEETS

BR 101 PLAN, ELEVATION & GENERAL NOTES
BR 102 SLAB DETAIL SHEET
BR 103 ABUTMENT DETAIL SHEET
BR 104 BRIDGE QUANTITY SHEET & REINFORCING STEEL SCHEDULE

LIST OF STANDARDS

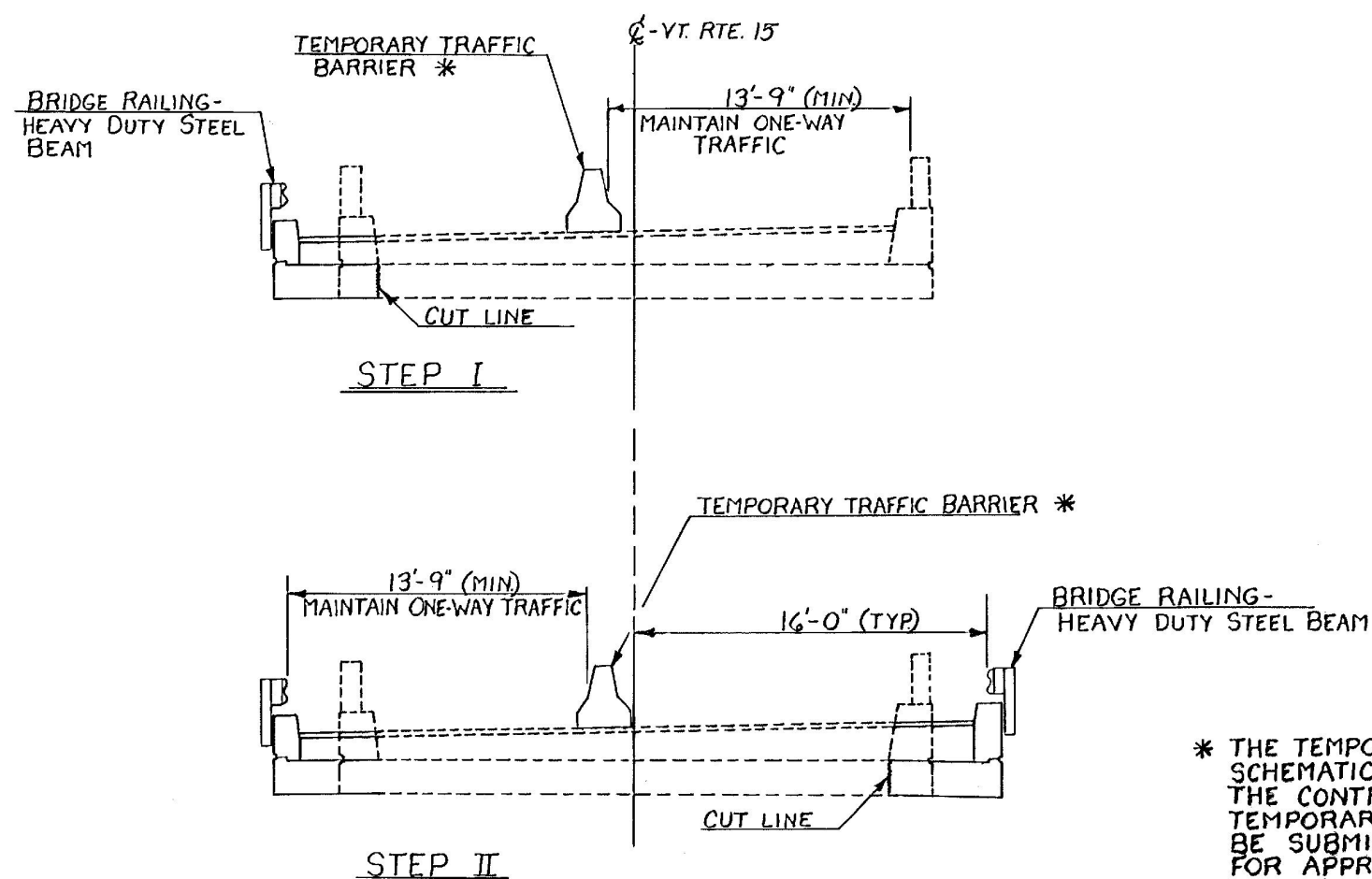
STD. DWG. E-3 12/13/79 R
STD. DWG. SB-RS-83 12/13/84 R
STD. DWG. SCB-D1-75 7/14/81 R

LIST OF REFERENCE SHEETS

PLAN SHEET SHEET _____ OF _____

GENERAL NOTES

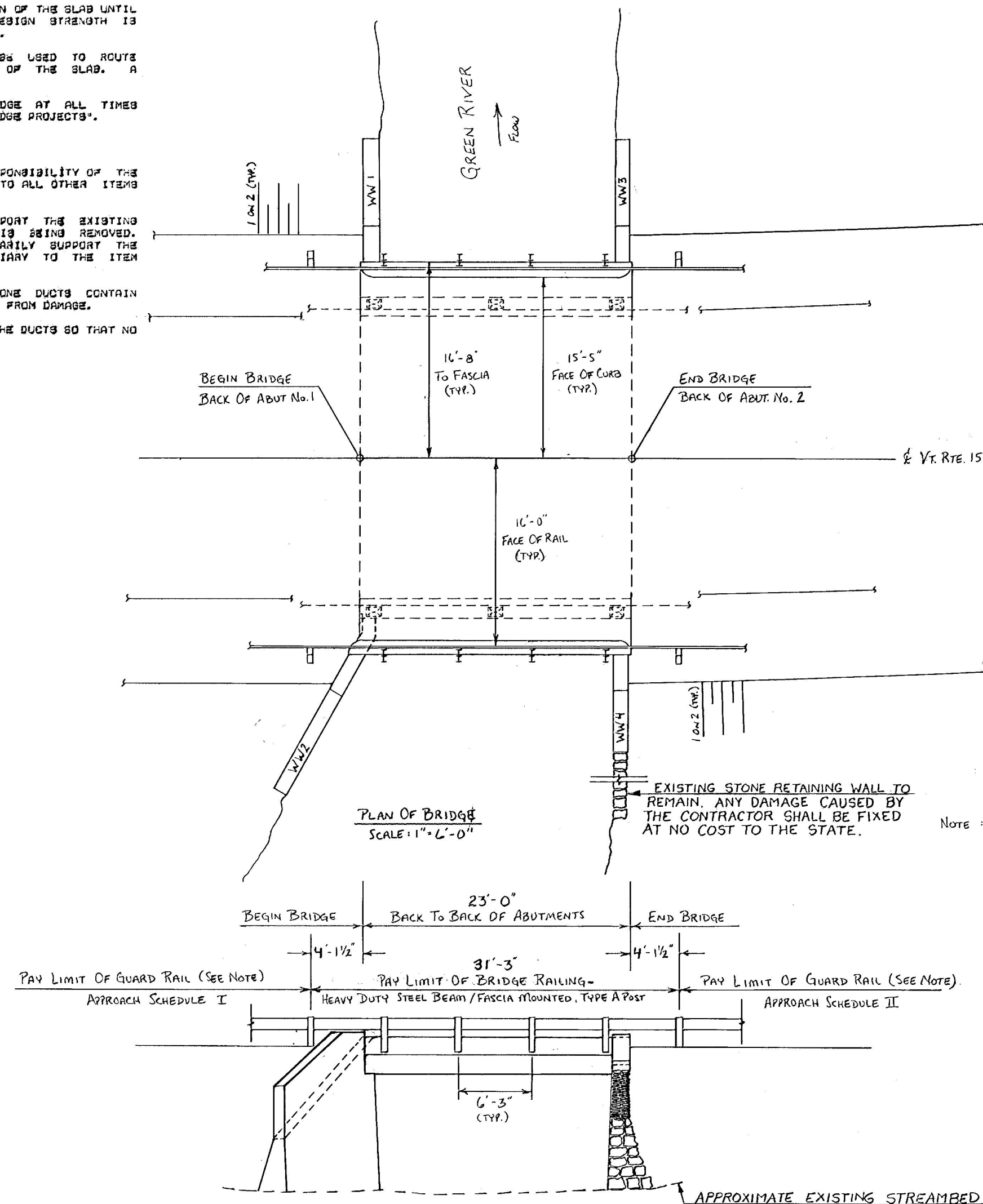
- THE GENERAL NOTE PERTAINING TO SPECIFICATIONS, MATERIALS, AND CONSTRUCTION IS SHOWN ON STANDARD DRAWING SCB-D1-75. OTHER GENERAL NOTES ON THE STANDARD, NOT OTHERWISE SHOWN OR MODIFIED ON THESE PLANS, ARE NOTES 4, 5, 7, 14 AND 15.
- THE STRUCTURE IS DESIGNED FOR AN HS-20-44 LIVE LOAD WITH 1" FUTURE PAVEMENT ALLOWANCE.
- WATER REPELLENT SHALL BE APPLIED TO ALL EXPOSED CONCRETE ON BOTH SUBSTRUCTURE AND SUPERSTRUCTURE, INCLUDING EXISTING CONCRETE, EXCEPT THE BOTTOM OF THE SLAB BETWEEN DRIP BEADS.
- ALL EXISTING STRUCTURE DIMENSIONS SHALL BE FIELD CHECKED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- EXISTING ABUTMENTS SHALL BE PATCHED AS FOLLOWS:
 - CRACKS OR SPALLED AREAS IN THE REMAINING CONCRETE, WITH DEPTH OF LESS THAN 1-1/4", ARE TO BE FILLED WITH MORTAR.
 - CRACKS OR SPALLED AREAS IN THE REMAINING CONCRETE, WITH DEPTH GREATER THAN 1-1/4", ARE TO HAVE THEIR EDGES CUT SO AS TO PROVIDE A MINIMUM DEPTH OF 1-1/4". THEY WILL THEN BE COATED WITH NEAT CEMENT AND PATCHED WITH "CONCRETE, CLASS B". AN ESTIMATED 1 C.Y. OF "CONCRETE, CLASS B" HAS BEEN INCLUDED ON THE QUANTITY SHEET FOR THIS PURPOSE. THE MORTAR REFERRED TO IN NOTE 5A SHALL ALSO BE PAID FOR UNDER THE ITEM "CONCRETE, CLASS B".
- THE ABUTMENTS AND DECK SHALL BE REMOVED TO THE LIMITS SHOWN ON THESE PLANS UNDER THE ITEM "PARTIAL REMOVAL OF STRUCTURES", EXCEPT THAT THE ENGINEER SHALL DIRECT THE REMOVAL OF UNSOUND CONCRETE TO THE LIMITS HE DEEMS NECESSARY. CONCRETE SHALL BE SAW CUT FOR THE FIRST 1" OF DEPTH TO PROVIDE A NEAT CUT LINE.
- REINFORCING STEEL IN THE EXISTING STRUCTURE SHALL BE RETAINED, AS DEEMED NECESSARY BY THE RESIDENT ENGINEER, TO SPlice ONTO THE NEW REINFORCING STEEL. THESE BARS SHALL BE CLEANED AND BENT AS REQUIRED. PAYMENT SHALL BE SUBSIDIARY TO "CONCRETE, CLASS B".



CONSTRUCTION SEQUENCE
NOT TO SCALE

* THE TEMPORARY TRAFFIC BARRIER SHOWN IS SCHEMATIC ONLY AND NOT INTENDED TO LIMIT THE CONTRACTOR TO THIS CONCEPT. FINAL TEMPORARY TRAFFIC BARRIER DETAILS MUST BE SUBMITTED TO THE STRUCTURES ENGINEER FOR APPROVAL BEFORE PROCEEDING WITH CONSTRUCTION.

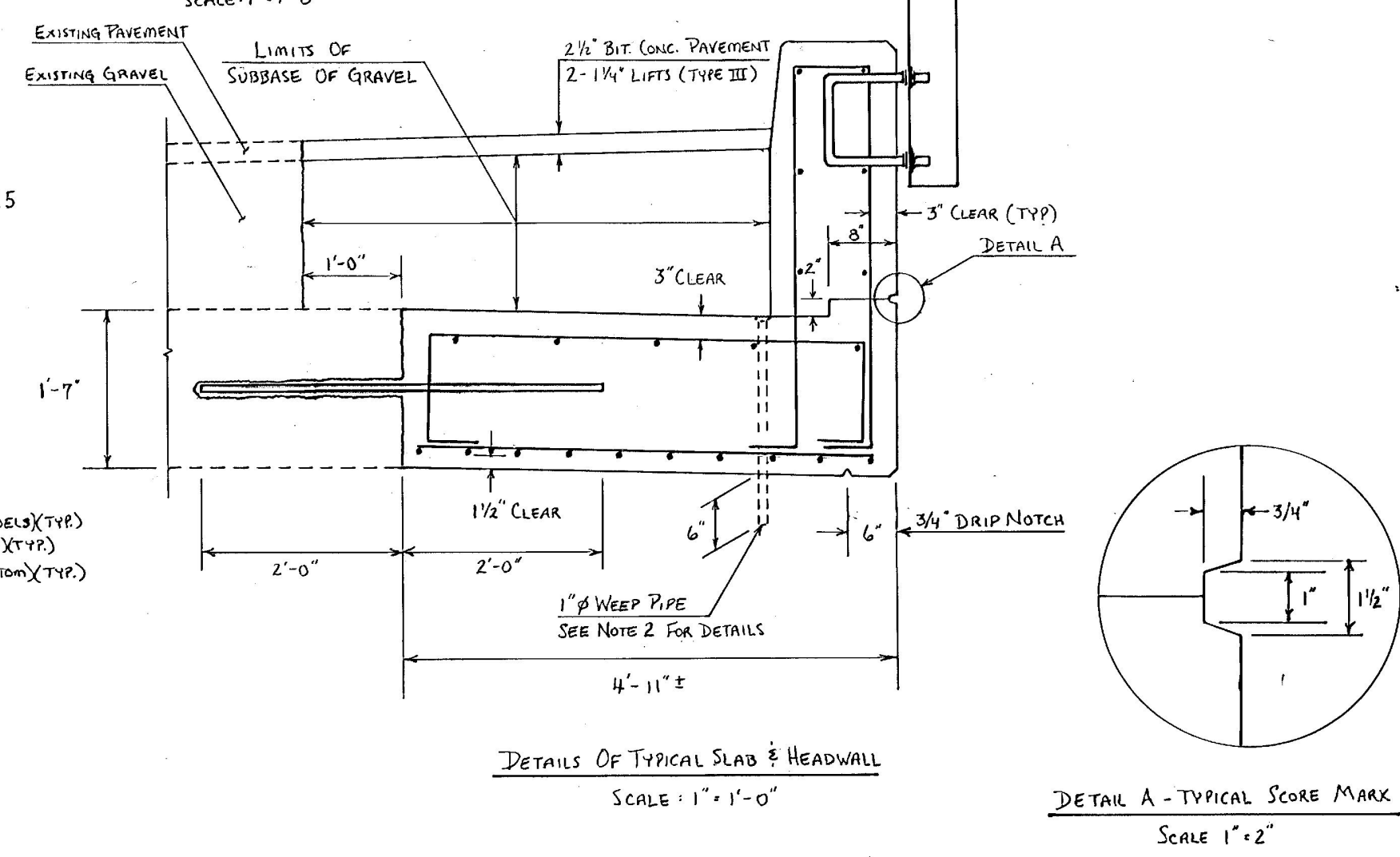
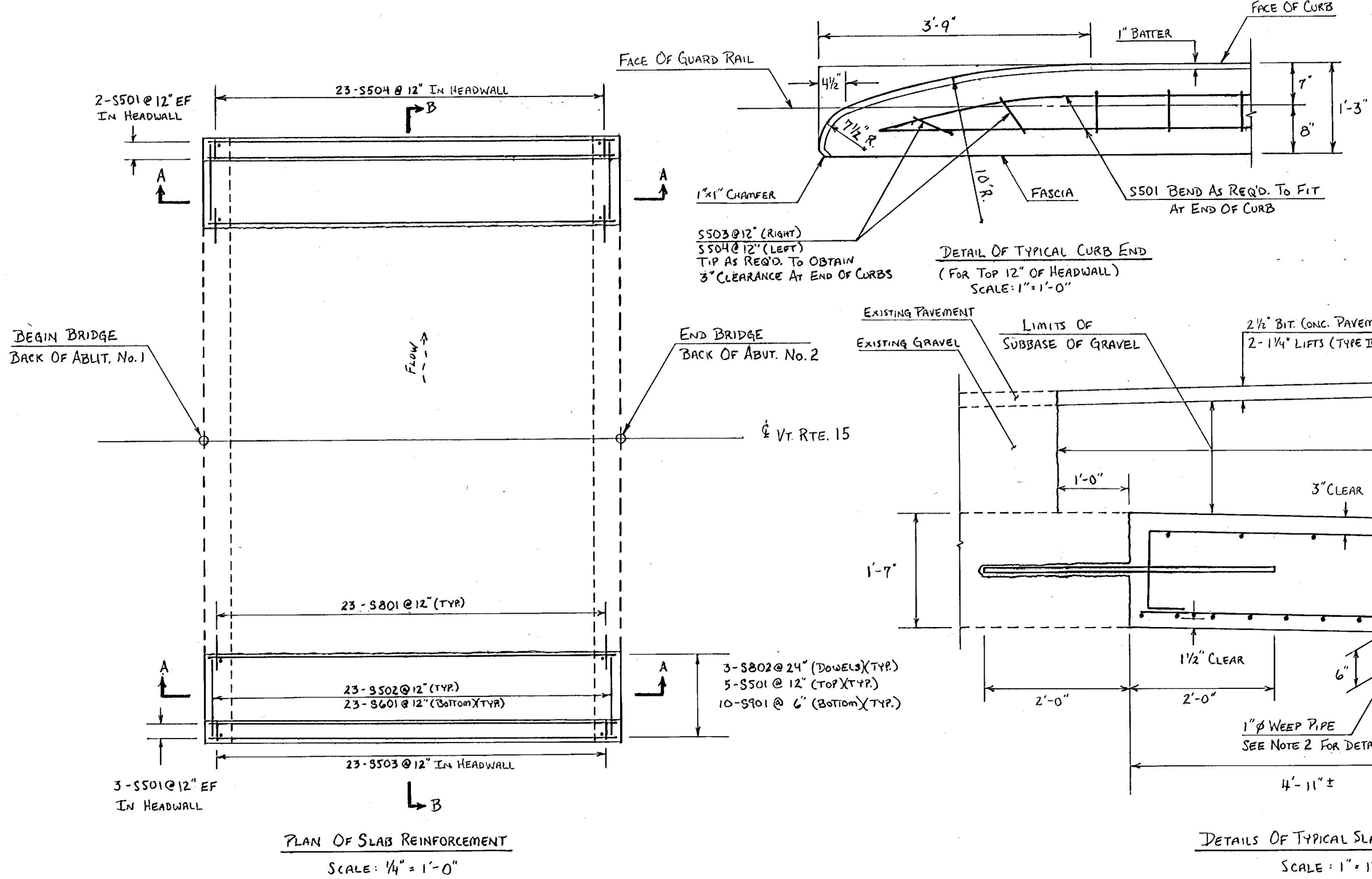
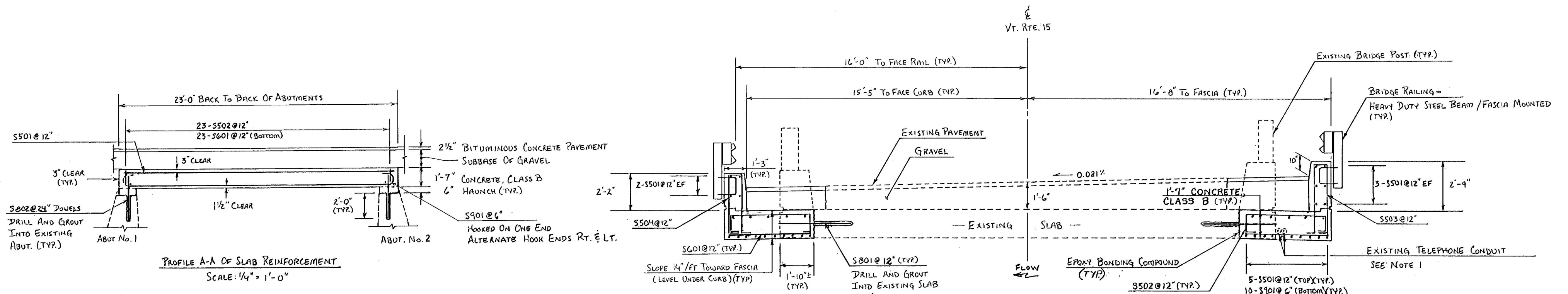
- WHEN NEW CONCRETE IS TO BE PLACED AGAINST EXISTING CONCRETE, IT SHALL BE PLACED IN ACCORDANCE WITH SECTION 530, "EPOXY COMPOUNDS". "EPOXY BONDING COMPOUND" SHALL BE USED TO COAT THE EXISTING CONCRETE SURFACES, EXCEPT AS NOTED IN NOTE 5.
- NO TRAFFIC SHALL BE ALLOWED ON THE NEW PORTION OF THE SLAB UNTIL THE CURING PERIOD IS UP AND THE 28 DAY DESIGN STRENGTH IS ATTAINED, AS EVIDENCED BY TEST CYLINDER BREAKS.
- THE ITEM "TEMPORARY TRAFFIC BARRIER" SHALL BE USED TO ROUTE TRAFFIC AWAY FROM THE NEWLY POURED PORTION OF THE SLAB. A MINIMUM WIDTH OF 13'-9" MUST BE MAINTAINED.
- ONE-WAY TRAFFIC SHALL BE MAINTAINED ON THE BRIDGE AT ALL TIMES UNDER THE ITEM "MAINTENANCE OF TRAFFIC FOR BRIDGE PROJECTS".
- ALL CONCRETE SHALL BE "CONCRETE, CLASS B".
- ALL ON-PROJECT BRIDGE SIGNS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE CONSIDERED SUBSIDIARY TO ALL OTHER ITEMS IN THE PROJECT.
- TEMPORARY SUPPORTS SHALL BE PROVIDED TO SUPPORT THE EXISTING TELEPHONE CONDUITS WHILE THE EXISTING BRIDGE IS BEING REMOVED. ALL MATERIAL AND LABOR NECESSARY TO TEMPORARILY SUPPORT THE EXISTING TELEPHONE CONDUIT SHALL BE SUBSIDIARY TO THE ITEM "CONCRETE, CLASS B".
- THE CONTRACTOR IS CAUTIONED THAT THE TELEPHONE DUCTS CONTAIN WORKING CABLES. THE CABLES SHALL BE PROTECTED FROM DAMAGE.
- CONCRETE IS TO BE PLACED AND VIBRATED UNDER THE DUCTS SO THAT NO VOIDS EXIST.



ELEVATION OF BRIDGE
(LOOKING DOWNSTREAM)
SCALE 1" = 6'-0"

STATE OF VERMONT AGENCY OF TRANSPORTATION

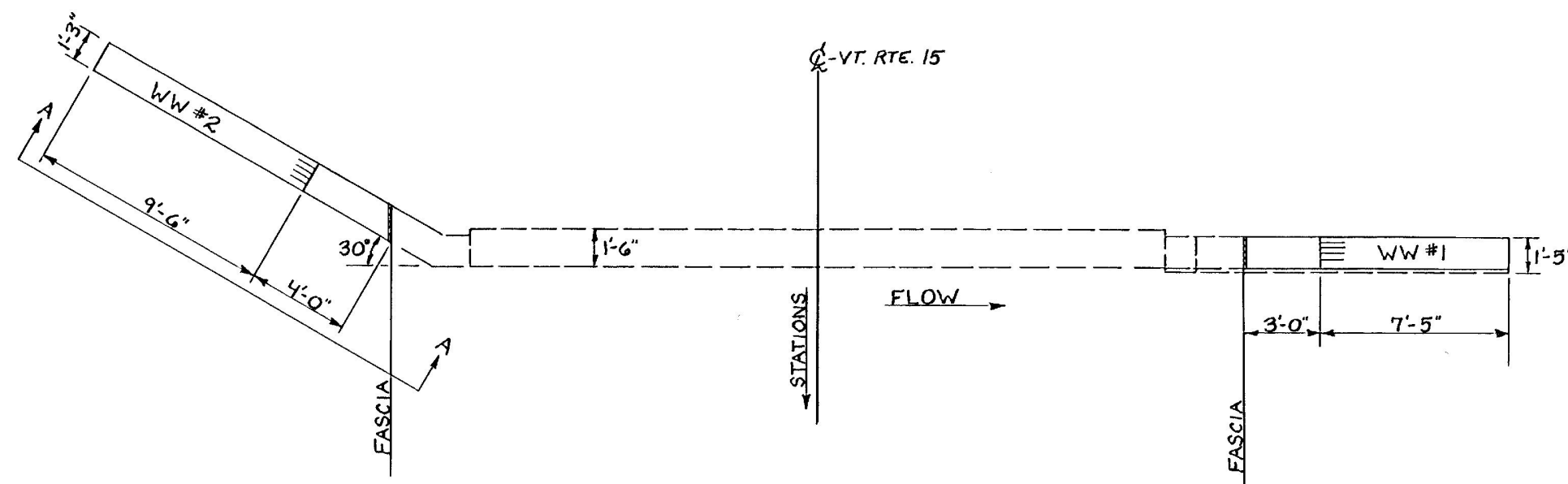
Town of WOLCOTT	Bridge No. 48
Highway No. VT. RTE. 15	Log Sta. 33+42
	M.M. 0.633
VT. RTE. 15 OVER GREEN RIVER	
PLAN, ELEVATION & GENERAL NOTES	
Designed By T.H. LACKEY	Drawn By T.H. LACKEY
Checked By C.P. WILLIAMS	Date 6-86
	Bridge Design Supervisor F.W. BOKUM
PROJECT MORRISTOWN - WOLCOTT	PROJECT NO. F030-2(16)
I.O.C. info.	
Bridge Sheet No. BR101	Sheet 19 of 103



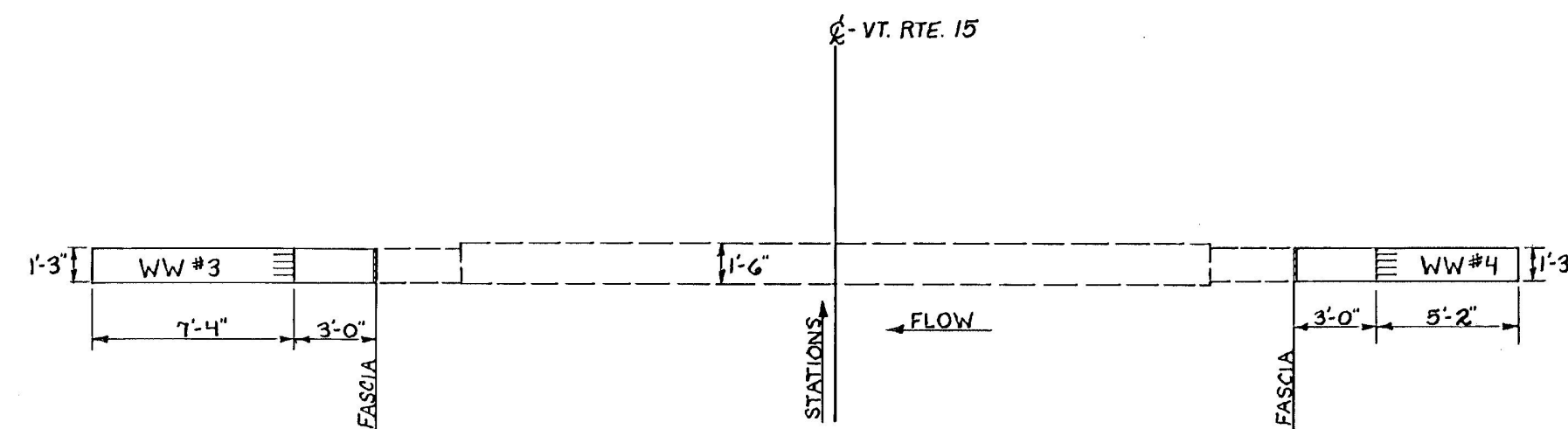
- NOTES: 1. EXISTING TELEPHONE CONDUIT TO REMAIN IN PLACE AND CAST INTO SLAB. ALL WORK AND ASSOCIATED COSTS WILL BE CONSIDERED SUBSIDIARY TO "CONCRETE, CLASS B". SEE ALSO GENERAL NOTES 14 THRU 16.
2. WEIR PIPES SHALL BE PLACED AT THE FACE OF CURBS AS SHOWN. THEY SHALL BE PLACED AT 2' FROM FACE OF ABUTMENTS AND AT MIDSPAN. RECESS THE END OF THE PIPE 1/4" BELOW TOP OF CONCRETE AND PLUG WITH STEEL WOOL. COST TO BE SUBSIDIARY TO THE ITEM "CONCRETE, CLASS B".

STATE OF VERMONT AGENCY OF TRANSPORTATION			
Town of	WOLCOTT	Bridge No.	48
Highway No.	Vt. RTE. 15	Log Sta.	33+42
		M.M.	0.633
Vt. RTE. 15 OVER GREEN RIVER			
SLAB DETAILS			
Designed By	T.H. LACEY	Drawn By	T.H. LACEY
Checked By	C.R. WILLIAMS	Date	6-86
		Bridge Design Supervisor	F.W. BOLKUM
PROJECT	MORRISTOWN - WOLCOTT	PROJECT NO.	F 030-2(16)
I.O.C. info.			
Bridge Sheet No. BR102		Sheet 20 of 108	

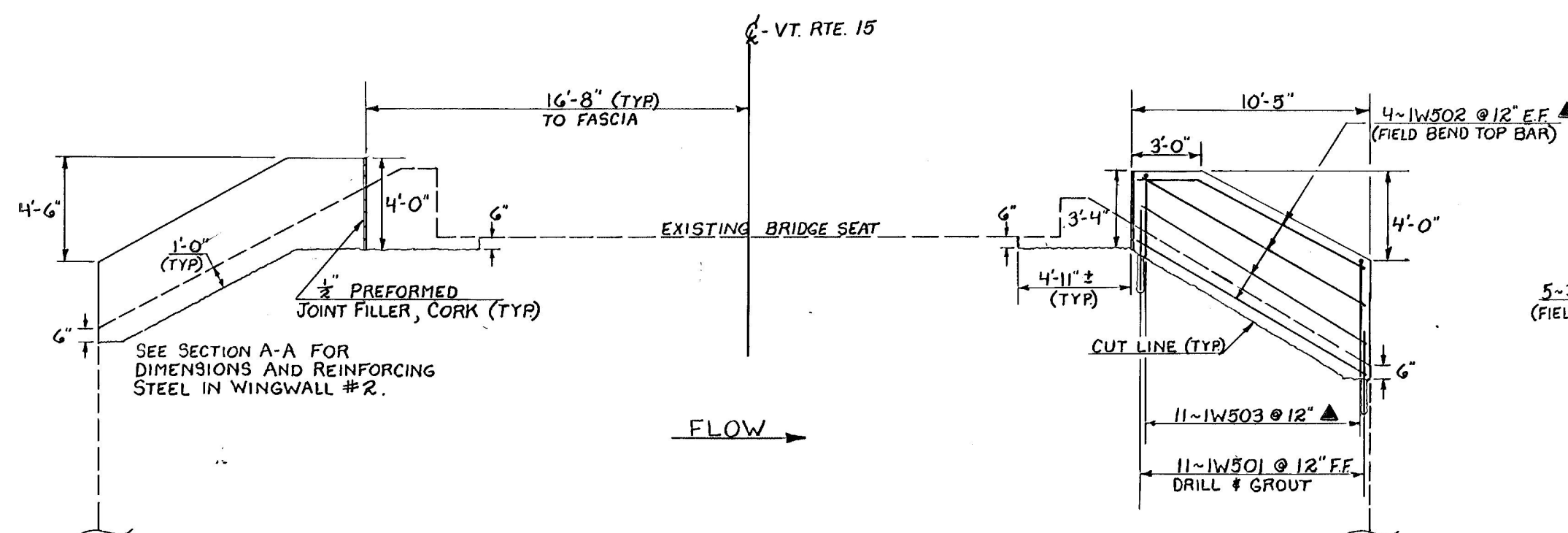
BRUNING 44-232 0442



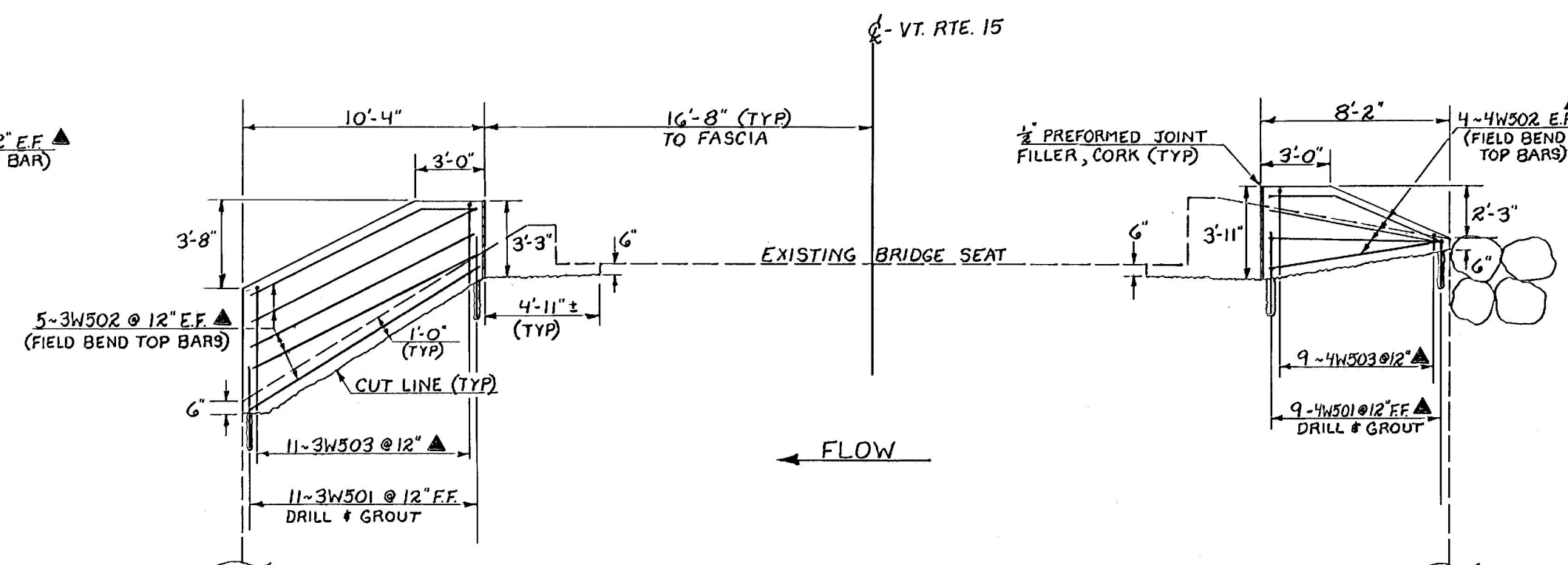
ABUTMENT #1 PLAN
SCALE: 1/4" = 1'-0"



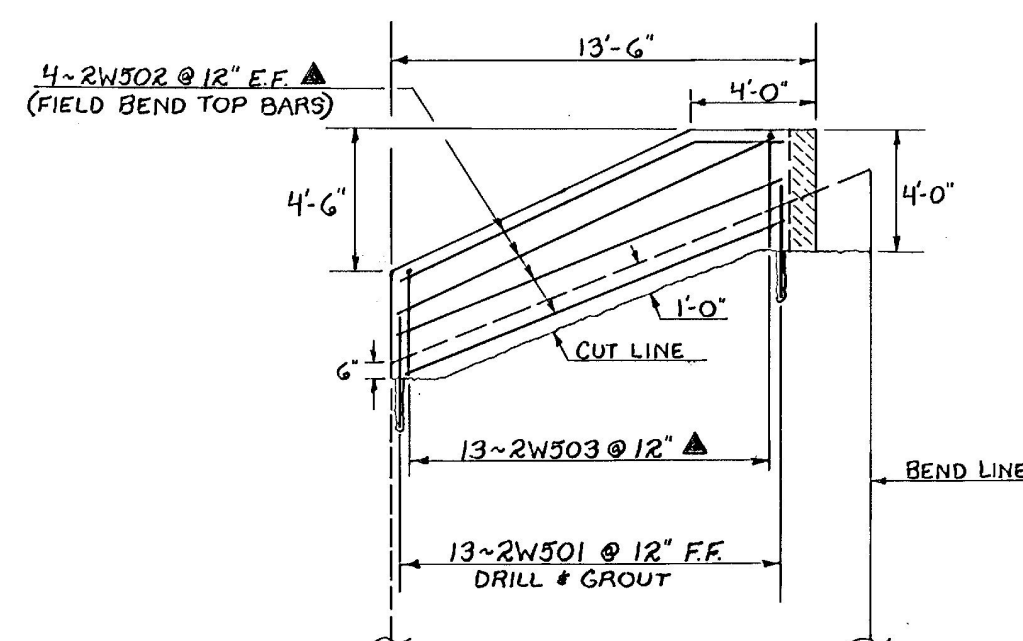
ABUTMENT #2 PLAN
SCALE: 1/4" = 1'-0"



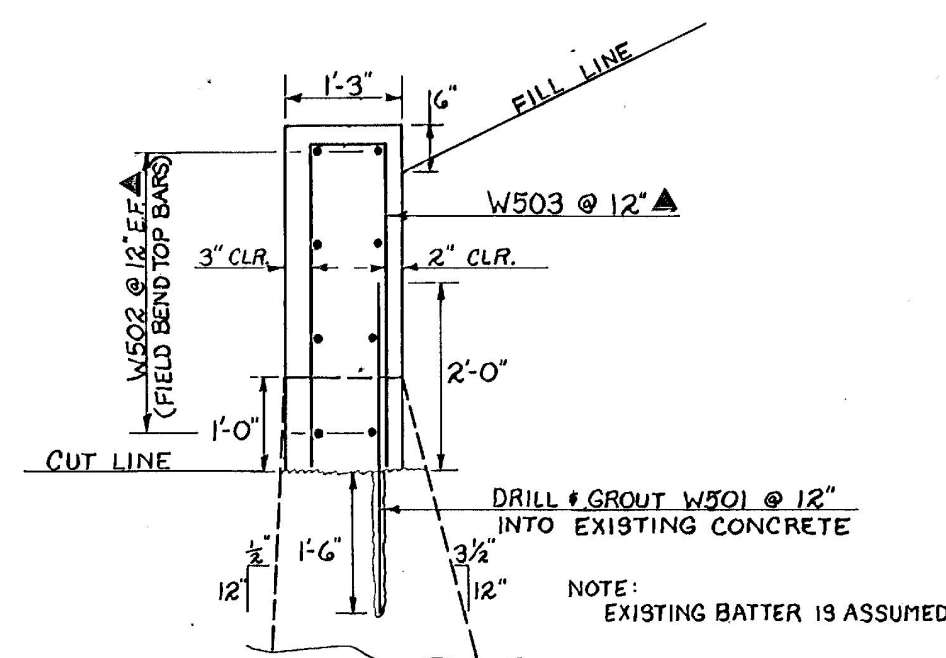
ABUTMENT #1 ELEVATION
SCALE: 1/4" = 1'-0"



ABUTMENT #2 ELEVATION
SCALE: 1/4" = 1'-0"



SECTION A-A
WINGWALL #2
SCALE: 1/4" = 1'-0"



TYPICAL WINGWALL CAP
SCALE: 3/4" = 1'-0"

▲ DENOTES BARS TO BE CUT TO FIT IN FIELD.

STATE OF VERMONT AGENCY OF TRANSPORTATION

Town of **WOLCOTT** Bridge No. 48
Highway No. **VT. RTE. 15** Log Sta. **33+42**
M.M. **0.633**
VT. RTE. 15 OVER GREEN RIVER

ABUTMENT DETAILS
Designed By **T.H. LACKEY** Drawn By **C.P. WILLIAMS**
Checked By **T.H. LACKEY** Date **6-86** Bridge Design Supervisor
PROJECT **MORRISTOWN-WOLCOTT** PROJECT NO. **F 030-2(16)**
L.O.C. info.
Bridge Sheet No. **BR103** Sheet **21** of **102**

ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O	ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O	ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O																		
SUPERSTRUCTURE																		WINGWALL #2																																																					
1																		21																	41																																				
2	20	5	22'-6	S501	STR													22	13	5	3'-6	2W501	STR													42																																			
3																		23	8	5	14'-0	2W502	STR	▲												43																																			
4*	48	6	4'-5	S601	STR													24																	44																																				
5																		25	13	5	8'-4	2W503	17	▲	3-9	0-10	3-9									45																																			
6*	48	8	4'-0	S801	STR													26																	46																																				
7	12	8	3'-10	S802	STR													27																	47																																				
8																		28																	48																																				
9*	47	5	7'-7	S502	S6	0-6	1-1	4-5	1-1								0-6	29	11	5	3'-6	3W501	STR													49																																			
10	23	5	9'-4	S503	S5	0-6	3-10	0-8	3-10								0-6	30	10	5	12'-0	3W502	STR	▲												50																																			
11	23	5	8'-2	S504	S5	0-6	3-3	0-8	3-3								0-6	31																	51																																				
12																		32	11	5	10'-10	3W503	17	▲	5-0	0-10	5-0								52																																				
13*	21	9	23'-9	S901	1	1-3	22-6											33																	53																																				
14																		34																	54																																				
15																		35																	55																																				
16																		36	9	5	3'-6	4W501	STR	▲											56																																				
17	11	5	3'-6	1W501	STR													37	*9	5	8'-0	4W502	STR	▲											57																																				
18	8	5	11'-6	1W502	STR	▲												38																	58																																				
19																		39	9	5	8'-2	4W503	17	▲	3-8	0-10	3-8								59																																				
20	11	5	10'-10	1W503	17	▲	5-0	0-10	5-0									40																	60																																				

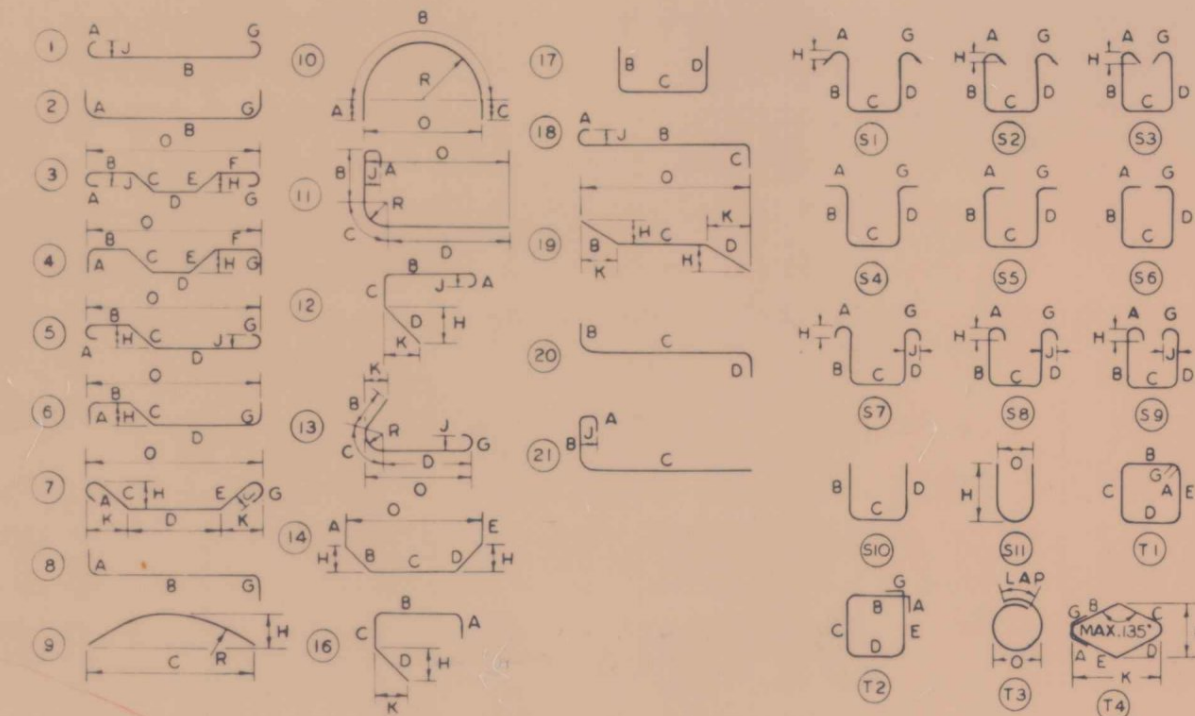
ASTM STANDARD REINFORCING BARS				
BAR SIZE DESIG- NATION	WEIGHT POUNDS PER FOOT	NOMINAL DIMENSIONS ROUND SECTION DIAMETER INCHES	GROSS SEC- TIONAL AREA SQ. INCHES	PERIMETER INCHES
#3	.376	.375	.11	1.178
#4	.668	.500	.20	1.571
#5	1.043	.625	.31	1.963
#6	1.502	.750	.44	2.356
#7	2.044	.875	.60	2.749
#8	2.670	1.000	.79	3.142
#9	3.400	1.128	1.00	3.544
#10	4.303	1.270	1.27	3.990
#11	5.313	1.410	1.56	4.430
#14	7.65	1.693	2.25	5.32
#18	13.60	2.257	4.00	7.09

BRIDGE QUANTITY SHEET

STATE OF VERMONT
AGENCY OF TRANSPORTATION
STRUCTURES DIVISION

NO.	ITEM	UNIT	QUANTITY BREAKDOWN				TOTAL	FINAL
			SUPER- STRUCTURE	ABUT. #1	ABUT. #2			
204.25	STRUCTURE EXCAVATION	CY		10	10		20	
204.30	GRANULAR BACKFILL FOR STRUCTURES	CY		10	10		20	
301.15	SUBBASE OF GRAVEL	CY	20				20	
406.25	BITUMINOUS CONCRETE PAVEMENT	TON	4				4	
501.25	CONCRETE, CLASS B ★	CY	20	6	5		31	
507.15	REINFORCING STEEL	LB.	3,920	540	480		4,940	
507.16	DRILLING AND GROUTING DOWELS	LF	92	48	42		182	
514.10	WATER REPELLENT	GAL.	2	5	4		11	
525.41	BRIDGE RAILING-HEAVY DUTY STEEL BEAM/FASCIA MOUNTED	LF	63				63	
527.10	MAINTENANCE OF TRAFFIC FOR BRIDGE PROJECTS	LS	1				1	
529.20	PARTIAL REMOVAL OF STRUCTURE	EA	1				1	
530.25	EPOXY BONDING COMPOUND	GAL	3	2	2		7	
621.90	TEMPORARY TRAFFIC BARRIER	LF	60				60	
★ AN ESTIMATED 1 CY OF CONCRETE, CLASS B HAS BEEN ADDED FOR PATCHING ABUTMENTS. SEE NOTE 5 FOR DETAILS.								

TYPICAL BAR BENDS



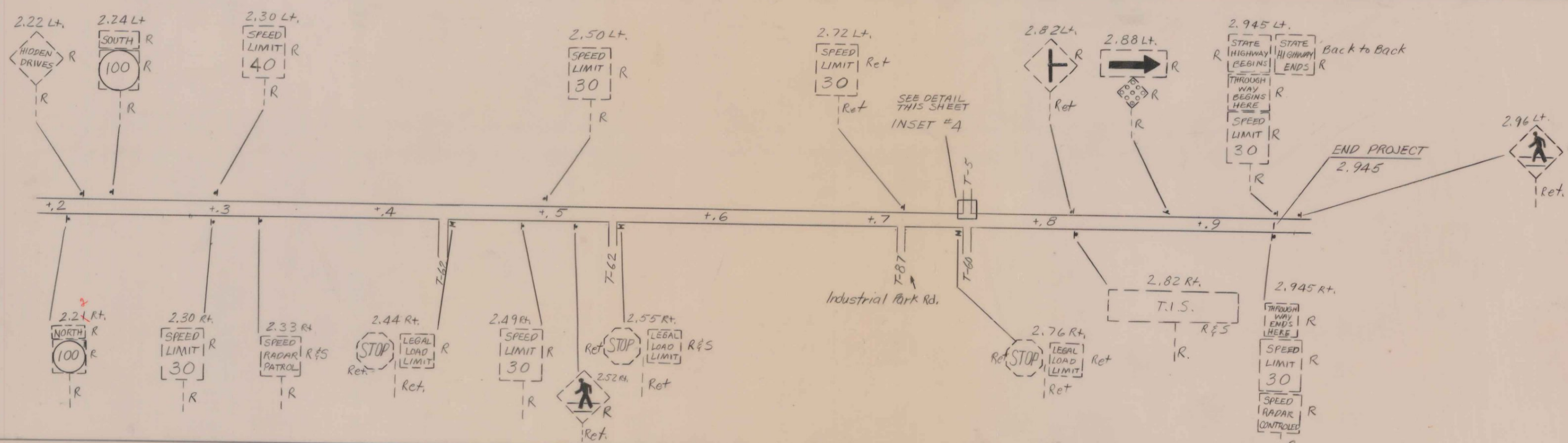
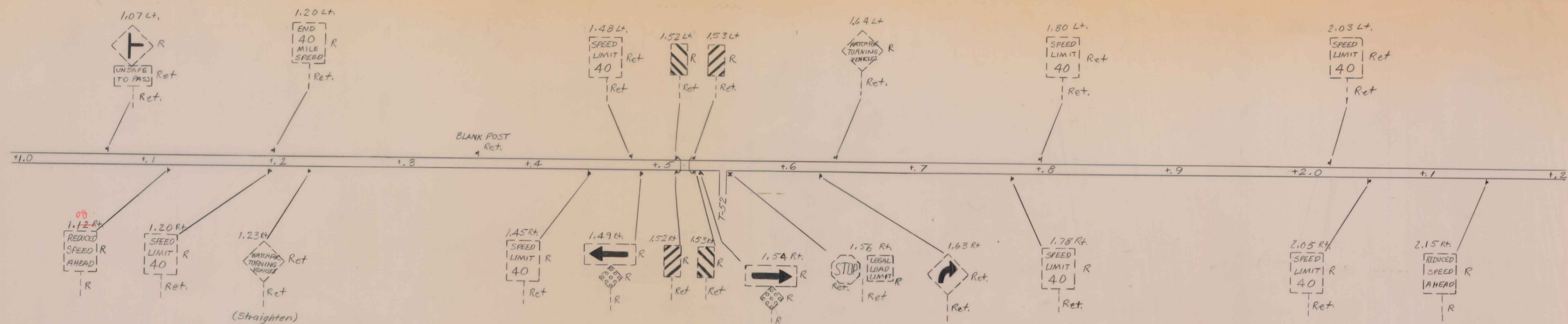
NOTES

- UNLESS OTHERWISE DESIGNATED, ALL BAR REINFORCEMENT FOR CONCRETE IN SIZES UP TO AND INCLUDING NO. 18 SHALL CONFORM TO THE REQUIREMENTS OF THE "SPECIFICATIONS FOR DEFORMED BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT," AASHTO M 31 (ASTM A 615-S1) GRADE 60.
- 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"
- BARS WHICH REQUIRE MORE ACCURATE BENDING THAN STANDARD PRACTICES SHOULD HAVE LIMITS INDICATED.
- ALL DIMENSIONS ARE OUT TO OUT OF BAR EXCEPT "A" AND "G" ON STANDARD 180° AND 135° HOOKS
- "J" DIMENSION ON 180° HOOKS TO BE SHOWN ONLY WHERE NECESSARY TO RESTRICT HOOK SIZE, OTHERWISE STANDARD HOOKS ARE TO BE USED.
- "H" DIMENSION ON STIRRUPS TO BE SHOWN ONLY WHEN NECESSARY TO MAINTAIN CLEARANCES
- WHERE SLOPE DIFFERS FROM 45° DIMENSIONS "H" AND "K" MUST BE SHOWN.

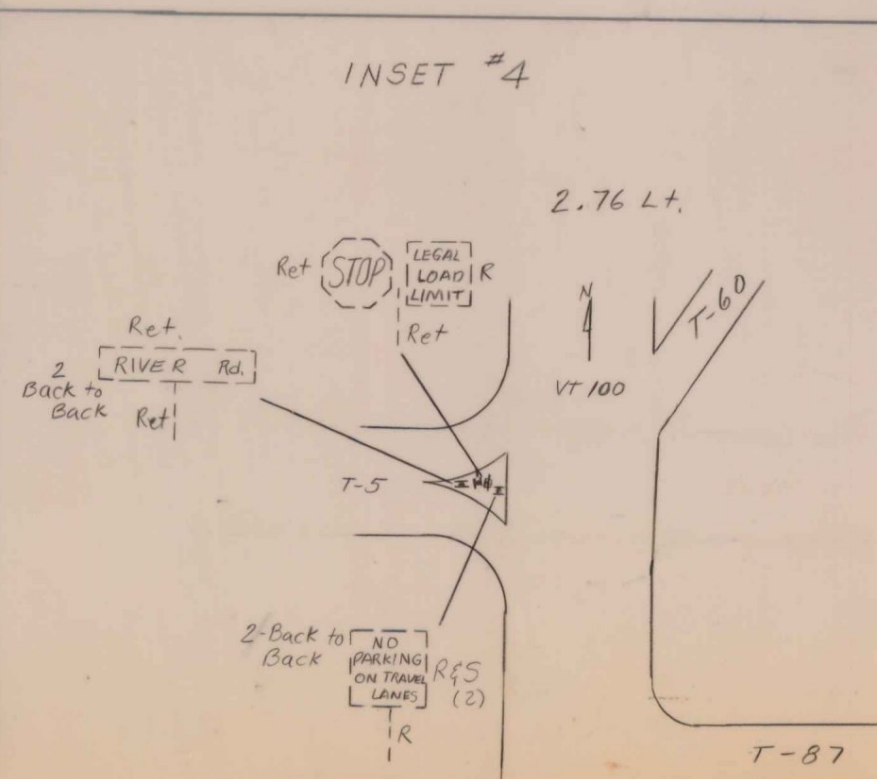
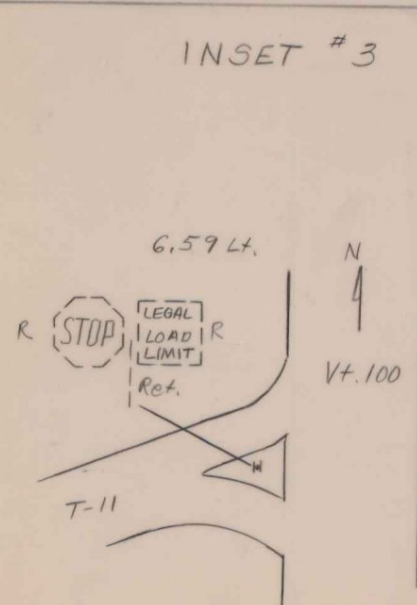
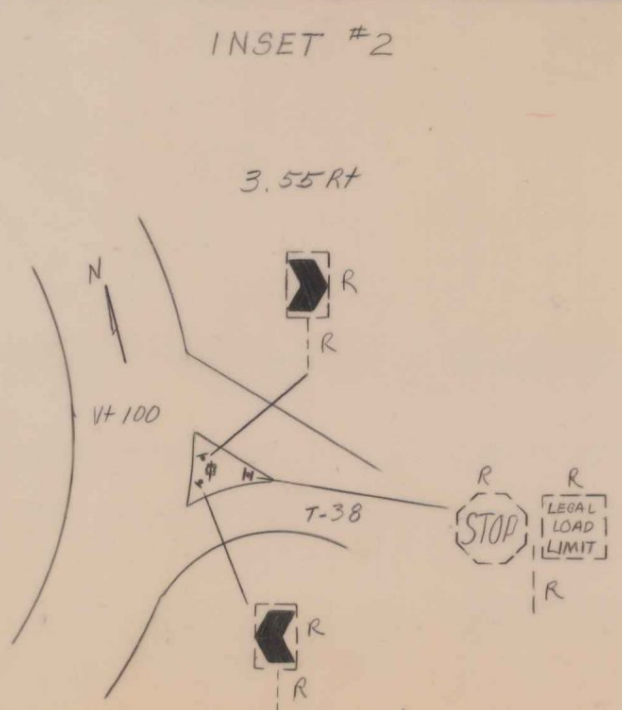
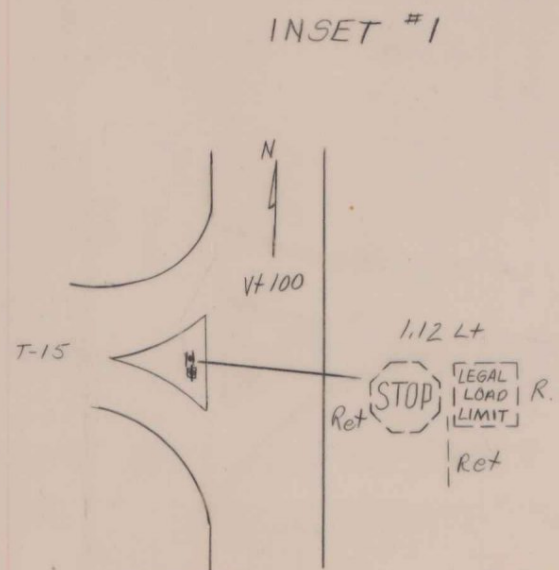
- ▲ DENOTES BARS TO BE CUT TO FIT IN FIELD
 * DENOTES ONE EXTRA BAR ADDED FOR TESTING PURPOSES.
 ** DENOTES TWO EXTRA BARS ADDED FOR TESTING PURPOSES.

REV NO.	MADE BY	DATE	DESCRIPTION

STATE OF VERMONT AGENCY OF TRANSPORTATION	
TOWN OF WOLCOTT	BRIDGE NO 48
HIGHWAY NO VT. RTE. 15	LOG STA 33+42
BRIDGE QUANTITY SHEET 8	
REINFORCING STEEL SCHEDULE	
DESIGNED BY T.H. LACKEY	DRAWN BY C.P. WILLIAMS
CHECKED BY T.H. LACKEY	BRIDGE DESIGN SUPERVISOR
DATE 6-86	F.V. Boikum DATE 6/86
PROJECT MORRISTOWN-WOLCOTT	PROJECT NO. F 030-2(16)
BRIDGE SHEET NO BRI04	SHEET 22 OF 108



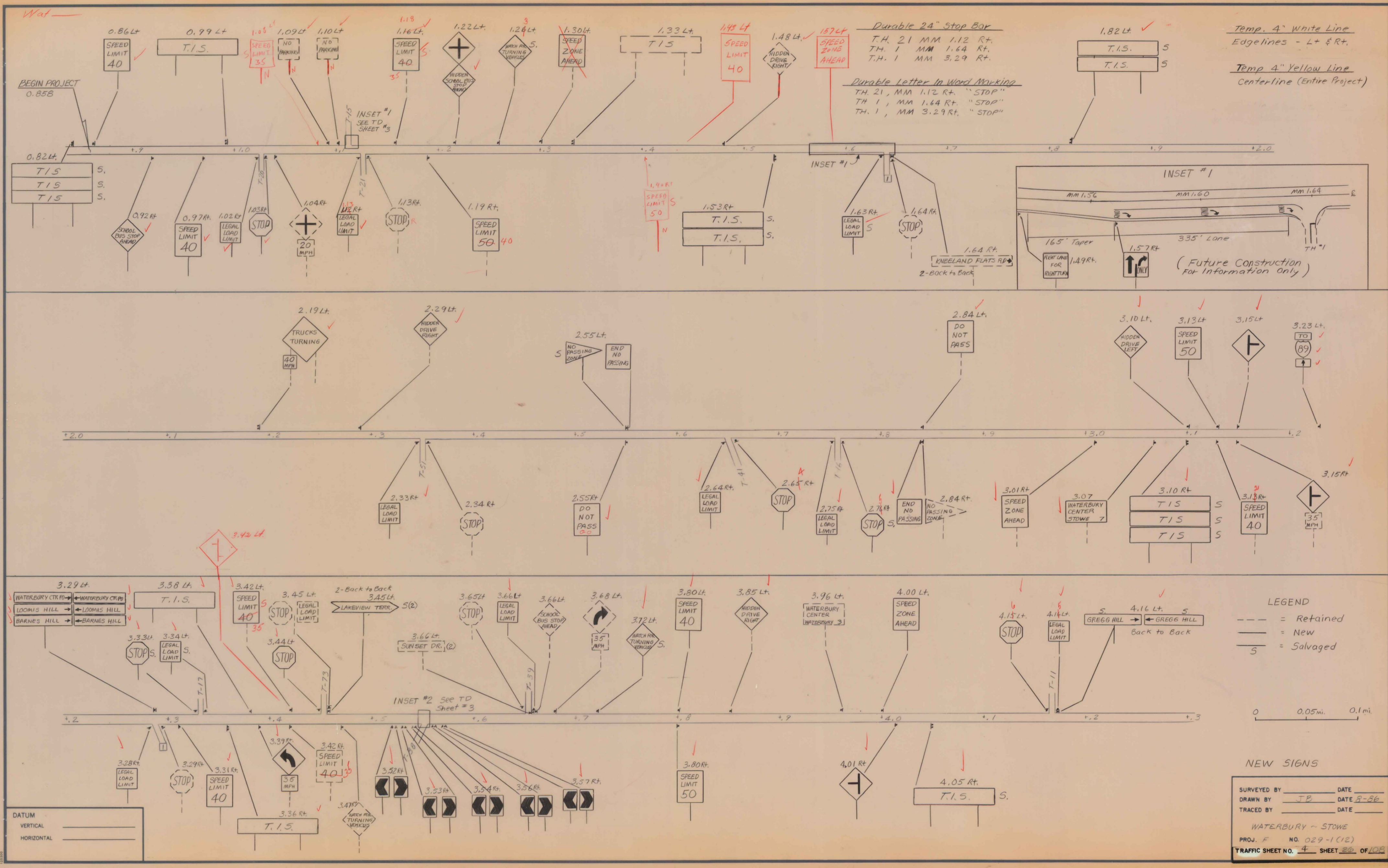
Removing Signs
Mainline - 43 Ea.
Insets - 10 Ea.



LEGEND

Ret.	= Retain
R.	= Remove
R & S.	= Remove & Salvage

EXISTING SIGNS	
PREPARED BY J B	DATE 8-86
CHECKED BY	DATE
WATERBURY ~ STOWE	
PROJ. F NO. 029-1(12)	
TRAFFIC SHEET NO. 3	SHEET 25 OF 108



Temp. 4" White Line
Edgelines - L+ & Rt.
Temp 4" Yellow Line
Centerline (Entire Project)

Durable 24" Stop Bar
T.H. 21 MM 1.12 Rt.
T.H. 1 MM 1.64 Rt.
T.H. 1 MM 3.29 Rt.
Durable Letter In Word Marking
T.H. 21, MM 1.12 Rt. "STOP"
T.H. 1, MM 1.64 Rt. "STOP"
T.H. 1, MM 3.29 Rt. "STOP"

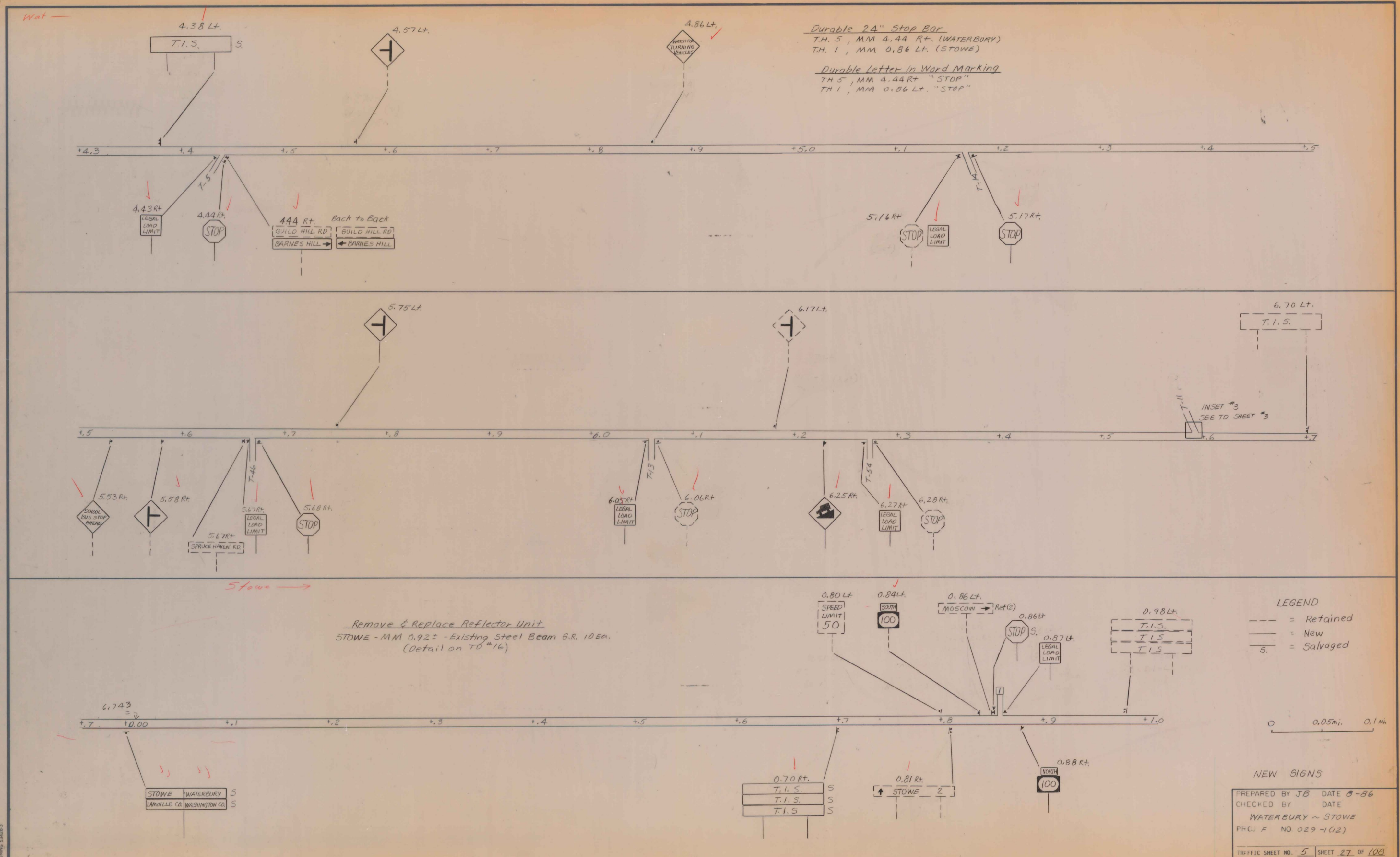
LEGEND
--- = Retained
--- = New
S = Salvaged

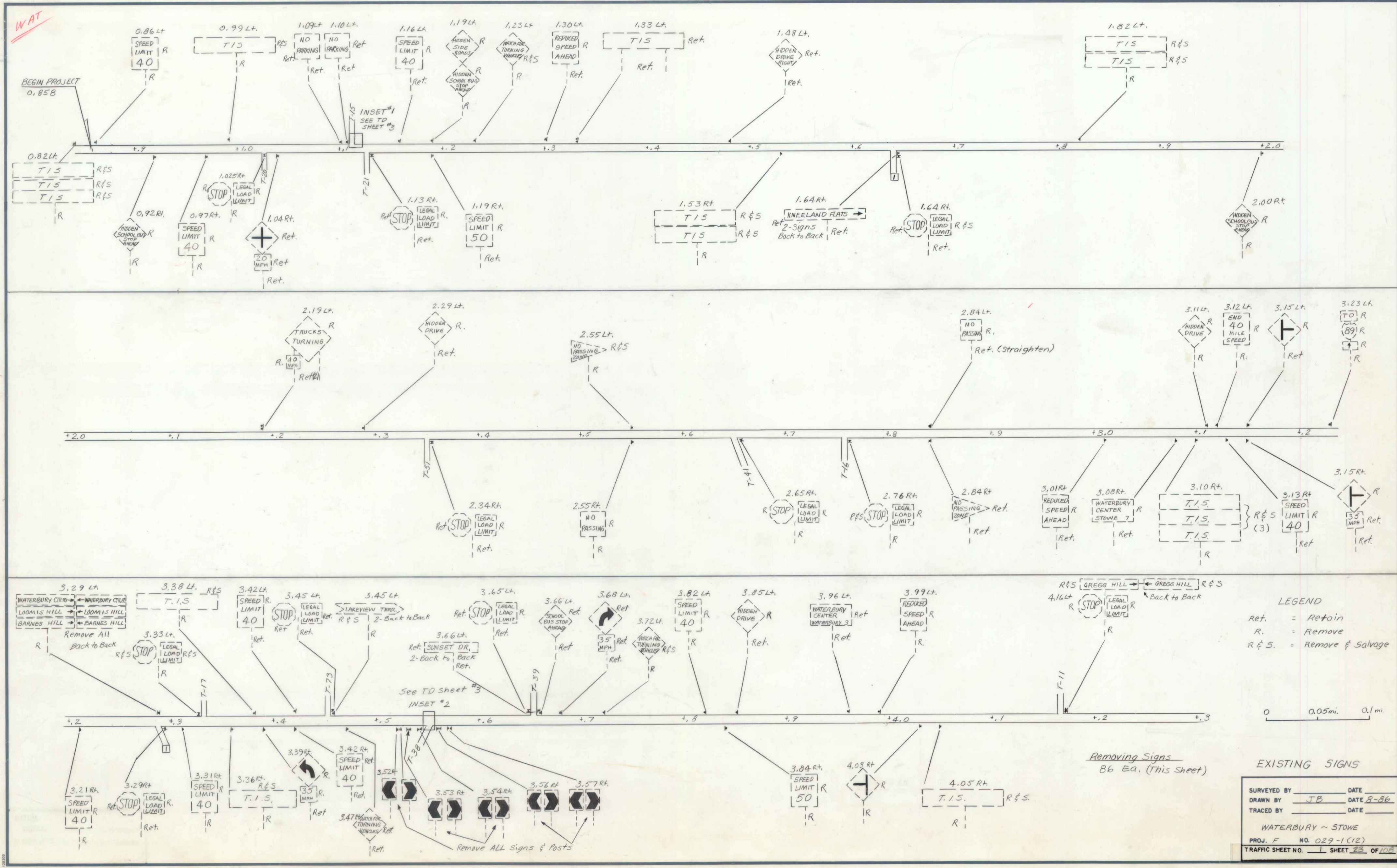
0 0.05mi. 0.1mi.

NEW SIGNS

SURVEYED BY _____ DATE _____
DRAWN BY J.P. DATE 8-86
TRACED BY _____ DATE _____
WATERBURY ~ STOWE
PROJ. F NO. 029-1(12)
TRAFFIC SHEET NO. 4 SHEET 20 OF 108

DATUM
VERTICAL _____
HORIZONTAL _____





WAT

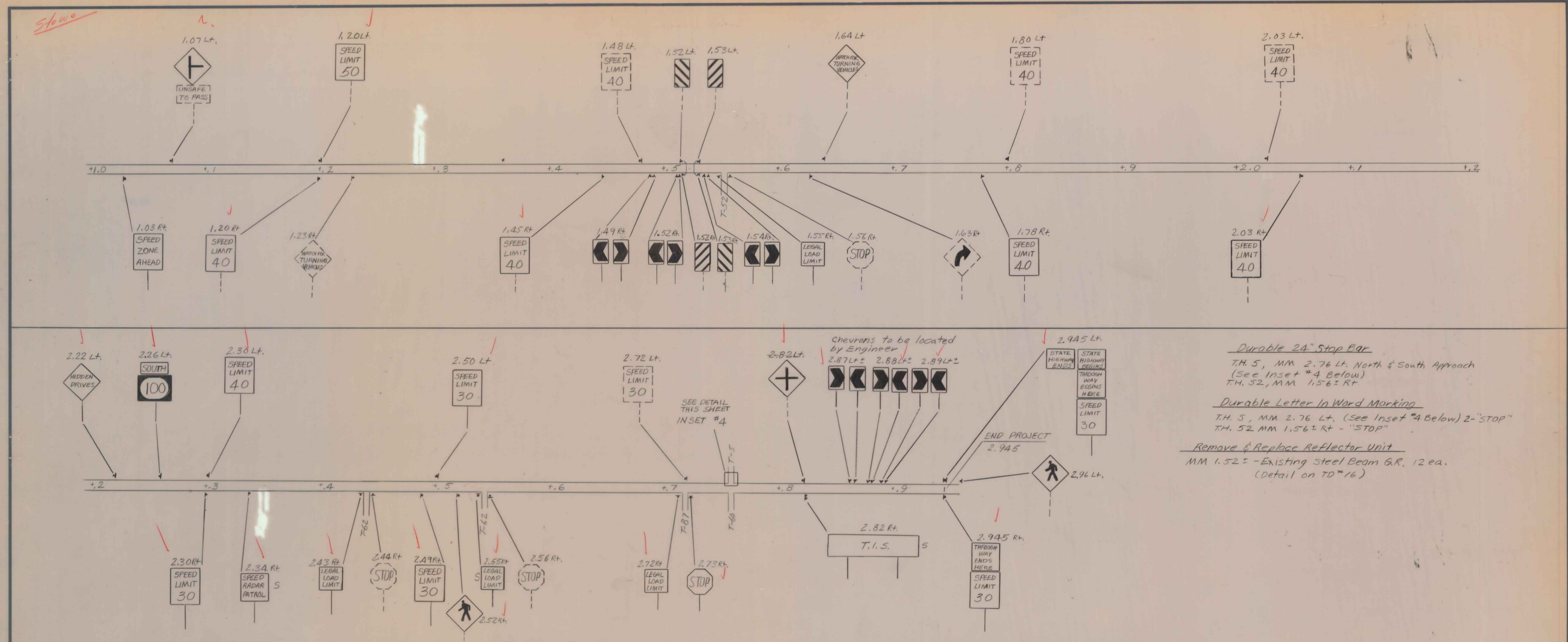
LEGEND
Ret. = Retain
R. = Remove
R & S. = Remove & Salvage

0 0.05mi. 0.1mi.

Removing Signs
86 Ea. (This Sheet)

EXISTING SIGNS

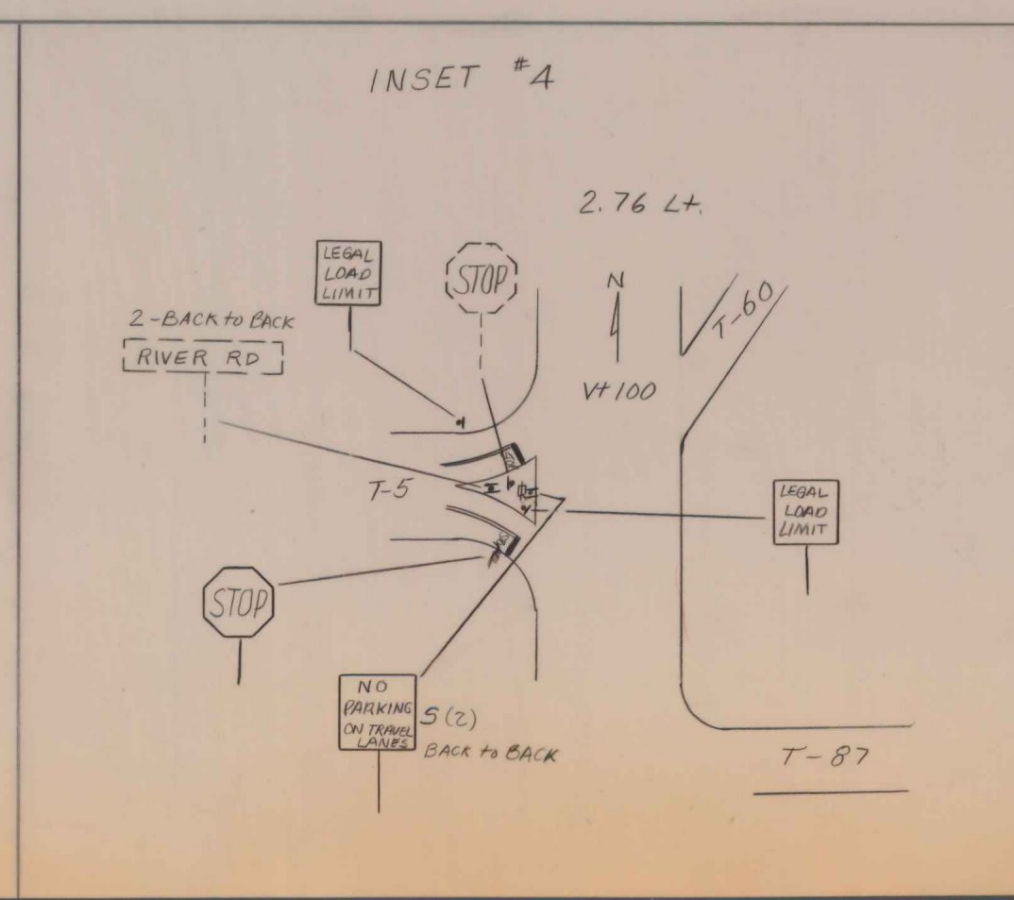
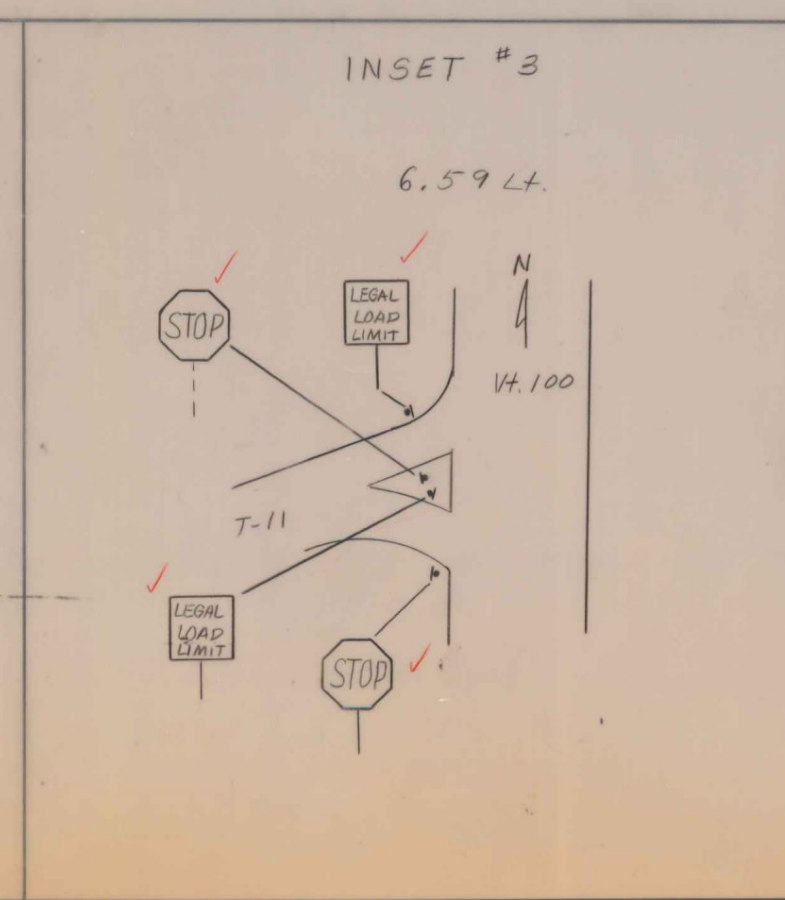
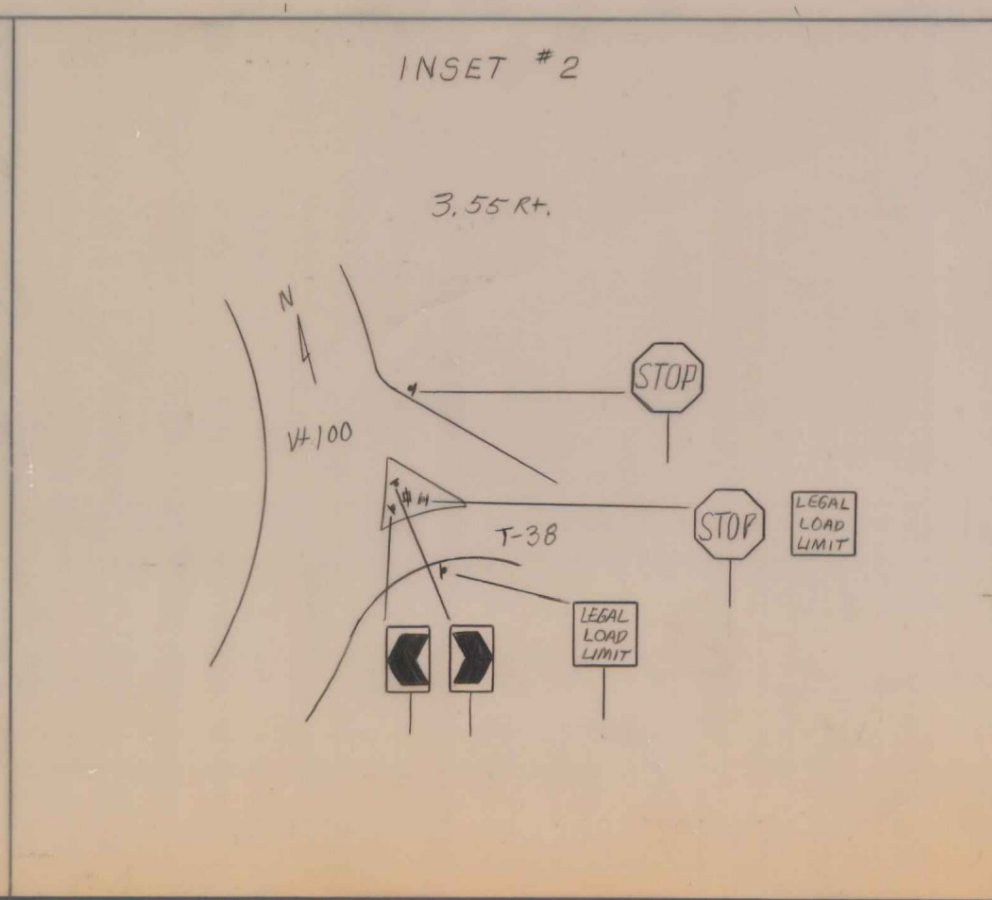
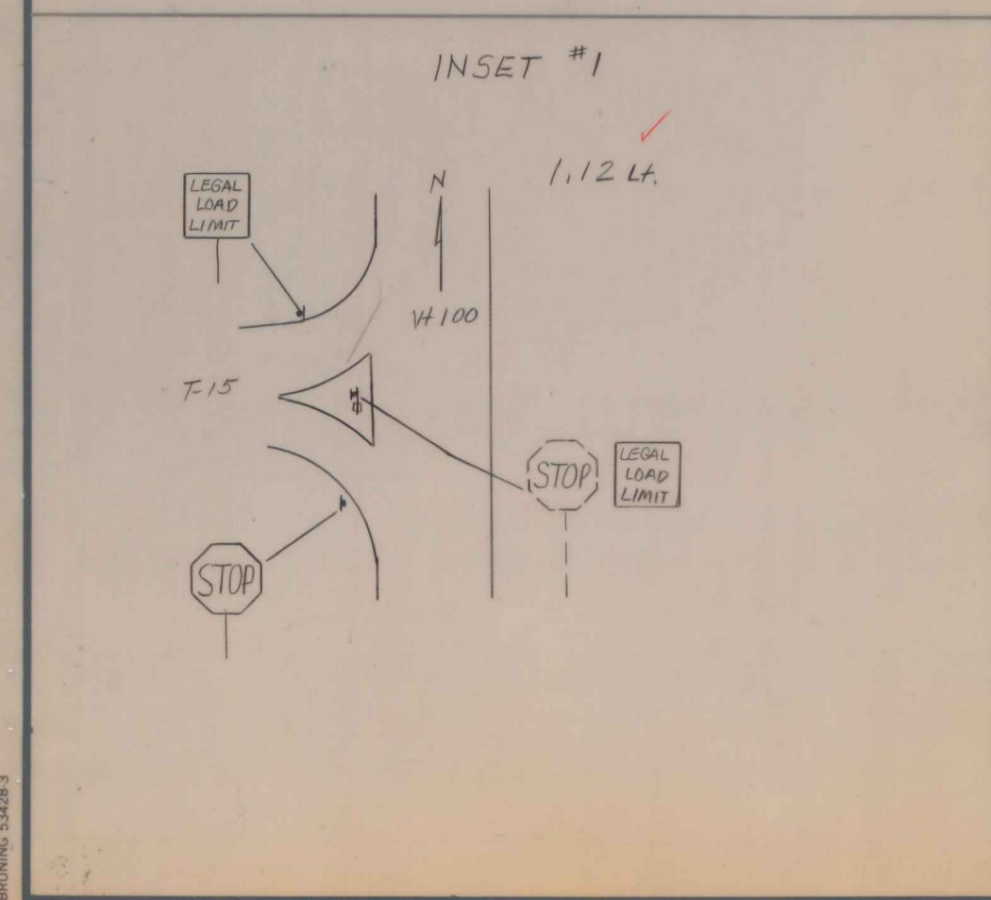
SURVEYED BY	DATE
DRAWN BY JB	DATE 8-86
TRACED BY	DATE
WATERBURY ~ STOWE	
PROJ. F	NO. 029-1(12)
TRAFFIC SHEET NO. 1	SHEET 23 OF 108



Durable 24" Stop Bar
 T.H. 5, MM 2.76 Lt. North & South Approach
 (See Inset #4 Below)
 T.H. 52, MM 1.56 ± Rt

Durable Letter In Word Marking
 T.H. 5, MM 2.76 Lt. (See Inset #4 Below) 2-"STOP"
 T.H. 52, MM 1.56 ± Rt - "STOP"

Remove & Replace Reflector Unit
 MM 1.52 ± - Existing Steel Beam G.R. 12 ea.
 (Detail on TD #16)



LEGEND
 --- = Retained
 — = New
 S. = Salvaged

0 0.05mi. 0.1mi.

NEW SIGNS

PREPARED BY JB DATE 8-86
 CHECKED BY DATE
 WATERBURY ~ STOWE
 PFC F NO. 029-1(12)
 TRAFFIC SHEET NO. 6 SHEET 28 OF 108

TRAFFIC SIGN SUMMARY SHEET

TRAFFIC SIGN SUMMARY SHEET																													
MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS	EXISTING SIGNS TO BE SALVAGED		NEW AND SALVAGED SIGNS				EXISTING POSTS				NEW SIGN POSTS												REMARKS	FOR SIGN DETAIL SHEET			
			REMOVE (EA.)	RETAIN (X)	NEW "A" (S.F.)	NEW "B" (S.F.)	SALV. SIGN (EA.)	SALV. T.I.S. (S.F.)	RET.	DRILL	REM.	SALV.	NUMBER OF POSTS	FLANGED CHANNEL			TUBULAR ALUMINUM			W SHAPED STEEL			PLAN SHEET NUMBER	STD. SHEET NUMBER					
														2.0 LB./FT.	2.5 LB./FT.	3.0 LB./FT.	3.0" Ø	3.0" □	4.0" Ø	4.0" Ø MOD.	POST SIZE	WEIGHT				FTG. SIZE 24" 30"			
2.29---Lt.		30" X 30"			6.3																					Mount on Retained Post	TD #16		
2.33---Rt.		24" X 24"			4.0																							E-15A	
2.55---Lt.		30" X 30"		X	6.3																					Mount Back to Back	TD #15		
2.55---Rt.		24" X 30"			5.0																							E-15A	
2.64---Rt.		24" X 24"			4.0																							E-15A	
2.65---Rt.		24" X 24"			4.0																							E-15C	
2.75---Lt.		24" X 24"			4.0																							E-15A	
2.76---Rt.				X																									
2.84---Lt.		24" X 30"			5.0																					Mount on Retained Post		E-15A	
2.84---Rt.		24" X 30"			5.0																					Mount on Back of "NO PASSING ZONE"	TD #15		
3.01---Rt.		24" X 30"			5.0																					Mount on Retained Post		E-15B	
3.07---Rt.		18" X 30"			3.0																							TD #15	
3.10---Lt.		30" X 30"			6.3																							TD #16	
3.10---Rt.	3			X																								* Item 680.20 MOD. NON-FED-PARTICIPATING	
3.13---Lt.		24" X 30"			5.0																							E-15B	
3.15---Rt.		24" X 30"			5.0																					Mount on Retained Post		E-15B	
3.15---Lt.		30" X 30"			6.3																							TD #16	
3.15---Rt.		30" X 30"			6.3																							TD #16	
TOTALS					84.1			2	24					180	198	37.5													

FINAL LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE DESIGN DIVISION'S "SIGN POST DESIGN MANUAL".

PREPARED BY JB DATE 8-86
 CHECKED BY DATE
 WATERBURY-STOWE
 PROJ. F NO. 029-1(12)
 TRAFFIC SHEET NO. 8 SHEET 30 OF 108

TRAFFIC SIGN SUMMARY SHEET

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS	EXISTING SIGNS TO BE SALVAGED		NEW AND SALVAGED SIGNS				EXISTING POSTS				NEW SIGN POSTS										REMARKS	FOR SIGN DETAIL SHEET																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
			REMOVE (EA.)	RETAIN (X)	NEW "A" (S.F.)	NEW "B" (S.F.)	SALV. SIGN (EA.)	SALV. T.I.S. (S.F.)	RET.	DRILL	REM.	SALV.	NUMBER OF POSTS	FLANGED CHANNEL			TUBULAR ALUMINUM				W SHAPED STEEL			PLAN SHEET NUMBER	STD. SHEET NUMBER																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
														2.0 LB./FT.	2.5 LB./FT.	3.0 LB./FT.	3.0" Ø	3.0" □	4.0" Ø	4.0" Ø MOD.	POST SIZE	WEIGHT				FTG. SIZE 24" 30"																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											

FINAL LENGTHS ARE TO BE DETERMINED IN THE FIELD, POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE DESIGN DIVISION'S "SIGN POST DESIGN MANUAL".

PREPARED BY J.B. DATE 8-86
 CHECKED BY DATE
 WATERBURY ~ STOWE
 PROJ. E NO. 029-1(12)
 TRAFFIC SHEET NO. 9 SHEET 31 OF 108
 1986

TRAFFIC SIGN SUMMARY SHEET

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS	EXISTING SIGNS		NEW AND SALVAGED SIGNS				EXISTING POSTS				NEW SIGN POSTS											REMARKS	FOR SIGN DETAIL SHEET																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
			TO BE SALVAGED REMOVE (EA.)	RETAIN (X)	NEW "A" (S.F.)	NEW "B" (S.F.)	SALV. SIGN (EA.)	SALV. T.I.S.(S.F.)	RET.	DRILL	REM.	SALV.	NUMBER OF POSTS	FLANGED CHANNEL			TUBULAR ALUMINUM				W SHAPED STEEL				PLAN SHEET NUMBER	STD. SHEET NUMBER																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
														2.0 LB./FT.	2.5 LB./FT.	3.0 LB./FT.	3.0" Ø	3.0" □	4.0" Ø	4.0" Ø MOD.	POST SIZE	WEIGHT	FTG. SIZE 24" 30"																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											

FINAL LENGTHS ARE TO BE DETERMINED IN THE FIELD, POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE DESIGN DIVISION'S "SIGN POST DESIGN MANUAL".

PREPARED BY JB DATE 8-86
CHECKED BY DATE

WATERBURY - STOWE
PROJ. F NO. 029-1(12)

TRAFFIC SHEET NO. 10 SHEET 32 OF 103

WAT

TRAFFIC SIGN SUMMARY SHEET

1986

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS	EXISTING SIGNS				NEW AND SALVAGED SIGNS				EXISTING POSTS				NEW SIGN POSTS										REMARKS	FOR SIGN DETAIL SHEET	
			TO BE SALVAGED		NEW		SALV.		RET.	DRILL	REM.	SALV.	NUMBER OF POSTS	FLANGED CHANNEL			TUBULAR ALUMINUM			W SHAPED STEEL				PLAN SHEET NUMBER		STD. SHEET NUMBER	
			REMOVE (EA.)	RETAIN (X)	"A" (S.F.)	"B" (S.F.)	SIGN (EA.)	T.I.S. (S.F.)						2.0 LB./FT.	2.5 LB./FT.	3.0 LB./FT.	3.0" Ø	3.0" □	4.0" Ø	4.0" Ø MOD.	POST SIZE	WEIGHT	FTG. SIZE				
4.05 RT.	T.I.S. *SEE REMARKS		*X					*8.0																	*Item 680.20 MOD. - NON-FED-PARTICIPATING		
4.15 LT.	STOP	24" X 24"			4.0							1	X ¹²													E-15C	
4.16 LT.	LEGAL LOAD LIMIT 24,000 POUNDS	24" X 24"			4.0							1	X ¹²													E-15A	
4.16 LT.	GREGG HILL		X					1				1	X ¹²											Mount Back to Back			
4.38 LT.	T.I.S. *SEE REMARKS		*X					*8.0																	*Item 680.20 MOD. NON-FED-PARTICIPATING		
4.43 RT.	LEGAL LOAD LIMIT 24,000 POUNDS	24" X 24"			4.0							1	X ¹²													E-15A	
4.44 RT.	STOP	24" X 24"			4.0							1	X ¹²													E-15C	
4.44 RT.	BARNES HILL	54" X 7 1/2"			2.8																			(Mounting Bracket Subsidiary to other items)			
4.44 RT.	BARNES HILL	54" X 7 1/2"			2.8																			Mount Back to Back on Retained	E-23		
4.57 LT.	+	30" X 30"			6.3																			Post Below "GUILD HILL RD" signs.	E-23		
4.86 LT.	WATCH FOR TURNING VEHICLES	36" X 36"			9.0							1			X ¹⁶									Mount on Retained Post	TD #16		
5.16 RT.	LEGAL LOAD LIMIT 24,000 POUNDS	24" X 24"			4.0																					E-15A	
5.17 RT.	STOP	24" X 24"			4.0							1	X ¹²											(Back of "STOP" Sign)		E-15C	
5.53 RT.	SCHOOL BUS STOP AHEAD	30" X 30"			6.3																			Mount on Retained Post	TD #16		
5.58 RT.	T	30" X 30"			6.3																					TD #16	
5.67 RT.	LEGAL LOAD LIMIT 24,000 POUNDS	24" X 24"			4.0							1	X ¹²													E-15A	
5.68 RT.	STOP	24" X 24"			4.0							1	X ¹²													E-15C	
6.05 RT.	LEGAL LOAD LIMIT 24,000 POUNDS	24" X 24"			4.0							1	X ¹²													E-15A	
6.25 RT.		30" X 30"			6.3							1			X ¹⁶											E-19B	
6.27 RT.	LEGAL LOAD LIMIT 24,000 POUNDS	24" X 24"			4.0							1	X ¹²													E-15A	
6.743 RT.	STONE WATERBURY LANDVILLE CO. WASHINGTON CO.		X					1				1	X ¹⁴		X												
TOTALS			X		79.8 [#]			4		16.0 [#]	X	X	X			278 [#]	40 [#]	57.5 [#]	48 [#]						FINAL LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE DESIGN DIVISION'S "SIGN POST DESIGN MANUAL".		

PREPARED BY J.B. DATE 8-26
 CHECKED BY _____ DATE _____
 PROJ. F NO. 029-1(12)
WATERBURY ~ STONE
 TRAFFIC SHEET NO. 11 SHEET 33 OF 108

TRAFFIC SIGN SUMMARY SHEET

1986

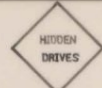
TRAFFIC SIGN SUMMARY SHEET																											1986
MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS	EXISTING SIGNS		NEW AND SALVAGED SIGNS				EXISTING POSTS				NEW SIGN POSTS										REMARKS	FOR SIGN DETAIL SHEET			
			TO BE SALVAGED	RETAINED	NEW "A"	NEW "B"	SALV.	SALV.	RET.	DRILL	REM.	SALV.	NUMBER OF POSTS	FLANGED CHANNEL		TUBULAR ALUMINUM		W SHAPED STEEL		FIG. SIZE	PLAN SHEET NUMBER	STD. SHEET NUMBER					
			REMOVE (EA)	(X)	(S.F.)	(S.F.)	SIGN (EA)	T.S. (S.F.)						2.0 LB./FT.	2.5 LB./FT.	3.0 LB./FT.	3.0" Ø	3.0" □	4.0" Ø					4.0" Ø MOD.	POST SIZE	WEIGHT	
0.70 RT.	T.I.S. * SEE T.I.S. REMARKS		* X	X				* 8.0				* 2													* Item 680.20 MOD. NON-FED-PARTICIPATING		
0.70 RT.	T.I.S. *		* X	X				* 8.0																			
0.84 LT.	SOUTH 100	24" X 12" 30" X 24"			2.0	5.0																		Mount on Retained Post		E-13 E-13	
0.86 LT.	STOP						1					1	X														
0.87 LT.	LEGAL LOAD LIMIT 24,000 POUNDS	24" X 24"			4.0							1	X													E-15A	
0.88 RT.	NORTH 100	24" X 12" 30" X 24"			2.0	5.0						1	X													E-13 E-13	
1.03 RT.	SPEED ZONE AHEAD	24" X 30"			5.0							1	X													E-15B	
1.20 RT.	SPEED LIMIT 40	24" X 30"			5.0																			Mount on Retained Post		E-15B	
1.20 LT.	SPEED LIMIT 50	24" X 30"			5.0																					E-15B	
1.45 RT.	SPEED LIMIT 40	24" X 30"			5.0																					E-15B	
1.49 RT.	18" X 24"	18" X 24"			3.0	3.0						1	X													E-19 E-19	
1.52 RT.	18" X 24"	18" X 24"			3.0	3.0						1	X													E-19 E-19	
1.52 RT.	12" X 36"	12" X 36"			3.0																				TD #16		
1.52 LT.	12" X 36"	12" X 36"			3.0																				TD #16		
1.53 RT.	12" X 36"	12" X 36"			3.0																				TD #16		
1.53 LT.	12" X 36"	12" X 36"			3.0																				TD #16		
1.54 RT.	18" X 24"	18" X 24"			3.0	3.0						1	X													E-19 E-19	
1.55 RT.	LEGAL LOAD LIMIT 24,000 POUNDS	24" X 24"			4.0							1	X													E-15A	
1.64 LT.	WATCH FOR TURNING VEHICLES	36" X 36"			9.0																			Mount on Retained Post		TD #16	
1.78 RT.	SPEED LIMIT 40	24" X 30"			5.0																						
TOTALS			X		86.0		1	* 24.0	X	X	X		242 360														
FINAL LENGTHS ARE TO BE DETERMINED IN THE FIELD, POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE DESIGN DIVISION'S "SIGN POST DESIGN MANUAL".																											
PREPARED BY <u>J.B.</u> DATE <u>8-86</u> CHECKED BY _____ DATE _____ PROJ. <u>F</u> NO. <u>029-1(12)</u> <u>WATERBURY ~ STOWE</u> TRAFFIC SHEET NO. <u>12</u> SHEET <u>34</u> OF <u>102</u>																											

FINAL LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE DESIGN DIVISION'S "SIGN POST DESIGN MANUAL".

CHECKED BY _____ DATE _____
 PROJ. F NO. 029-1(12)
 WATERBURY ~ STONE
 TRAFFIC SHEET NO. 12 SHEET 34 OF 108

TRAFFIC SIGN SUMMARY SHEET

1986

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS	EXISTING SIGNS		NEW AND SALVAGED SIGNS				EXISTING POSTS				NEW SIGN POSTS												REMARKS	FOR SIGN DETAIL SHEET		
			TO BE SALVAGED REMOVE (EA.)	RETAIN (X)	NEW 'A' (S.F.)	NEW 'B' (S.F.)	SALV. SIGN (EA.)	SALV. T.I.S.(S.F.)	RET.	DRILL	REM.	SALV.	NUMBER OF POSTS	FLANGED CHANNEL			TUBULAR ALUMINUM				W SHAPED STEEL					PLAN SHEET NUMBER	STD. SHEET NUMBER	
														2.0 LB./FT.	2.5 LB./FT.	3.0 LB./FT.	3.0" Ø	3.0" □	4.0" Ø	4.0" Ø MOD.	POST SIZE	WEIGHT	FTG. SIZE 24" 30"					
2.03 RT.		24" x 30"			5.0																				Mount on Retained Post		E-15B	
2.22 LT.		30" x 30"			6.3								1	X												TP #16		
2.26 LT.	 	24" x 12" 30" x 24"			2.0 5.0								1		X											E-13 E-13		
2.30 RT.		24" x 30"			5.0								1	X												E-15B		
2.30 LT.		24" x 30"			5.0								1	X												E-15B		
2.34 RT.								1					1	X														
2.43 RT.		24" x 24"			4.0								1	X												E-15A		
2.49 RT.		24" x 30"			5.0								1	X												E-15B		
2.50 LT.		24" x 30"			5.0								1	X												E-15B		
2.52 RT.		30" x 30"			6.3																				Mount on Retained Post		E-19B	
2.55 RT.								1					1	X														
2.72 RT.		24" x 24"			4.0								1	X												E-15A		
2.73 RT.		24" x 24"			4.0								1	X												E-15C		
2.82 LT.		30" x 30"			6.3																				Mount on Retained Post	TP #16		
2.82 RT.	T.I.S. *SEE REMARKS			X				*8.0					*2					*X							*Item 680.20 MOB-NON-FED-PARTICIPATING			
2.87 LT±	 	18" x 24" 18" x 24"			3.0 3.0								1	X												E-19 E-19		
2.88 LT±	 	18" x 24" 18" x 24"			3.0 3.0								1	X												E-19 E-19		
2.89 LT±	 	18" x 24" 18" x 24"			3.0 3.0								1	X												E-19 E-19		
2.945 RT.	 	24" x 24" 24" x 30"			4.0 5.0								1			X										E-15A E-15B		
2.945 LT.	 	24" x 18" 24" x 18"			3.0 3.0								1			X									Mount Back to Back	E-15A		
TOTALS					95.9			2	8.0				472 432		35.0 37.5		94 93									FINAL LENGTHS ARE TO BE DETERMINED IN THE FIELD, POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE DESIGN DIVISION'S "SIGN POST DESIGN MANUAL".		PREPARED BY JB DATE 8-86 CHECKED BY DATE PROJ. F NO. 029-11(2) WATERBURY-STOWE TRAFFIC SHEET NO. 13 SHEET 35 OF 108

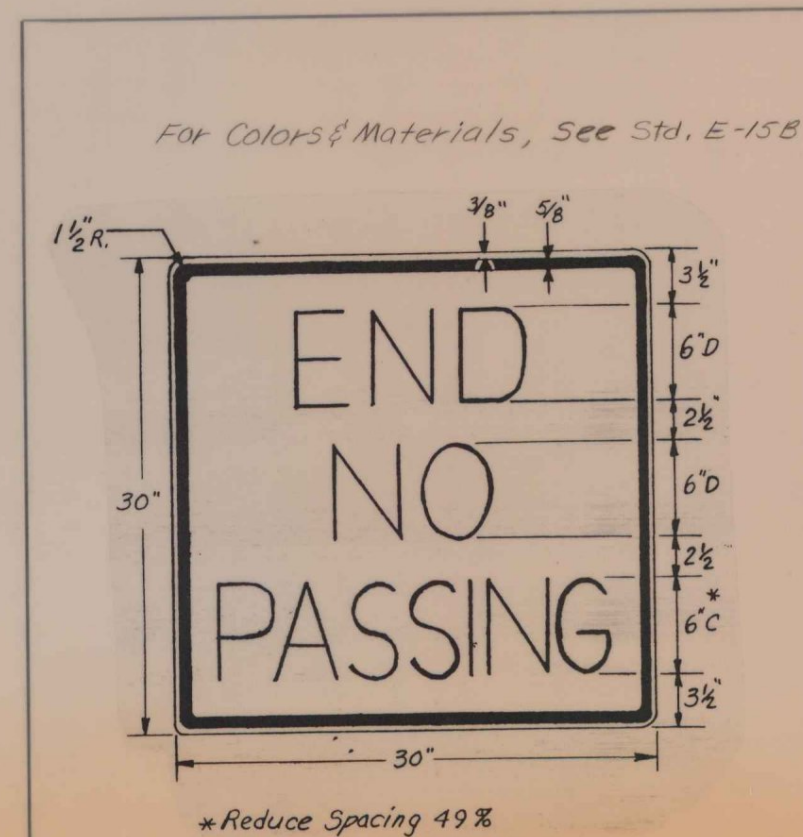
FINAL LENGTHS ARE TO BE DETERMINED IN THE FIELD, POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE DESIGN DIVISION'S "SIGN POST DESIGN MANUAL".

986

PREPARED BY JB DATE 8-86
CHECKED BY _____ DATE _____
PROJ. F NO. 029-1(12)
WATERBURY-STOWE
TRAFFIC SHEET NO. 14 SHEET 36 OF 108

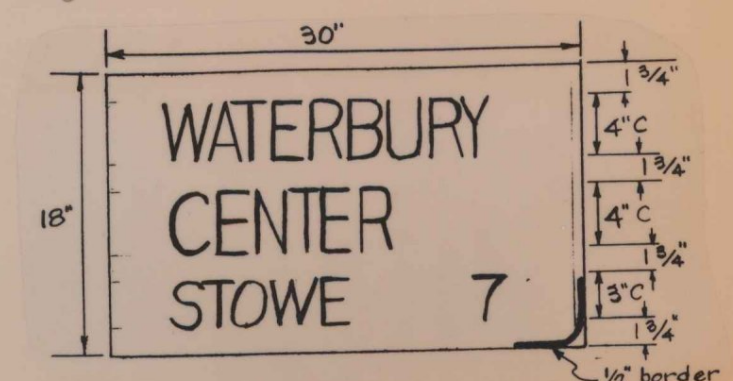
[illegible]

Existing Signs Were inventoried with existing pavement width. Resident shall verify retained post are proper height and offset after roadway is paved, or widened.

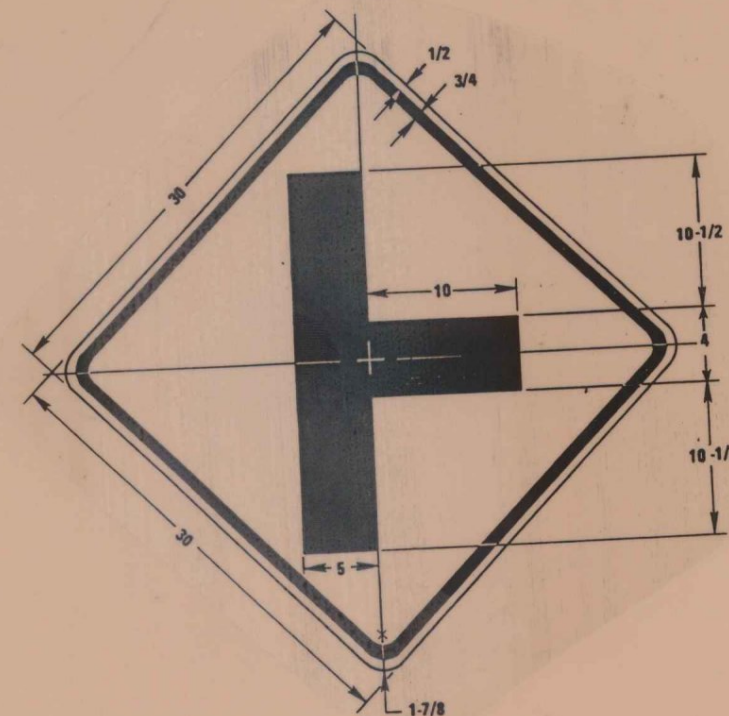
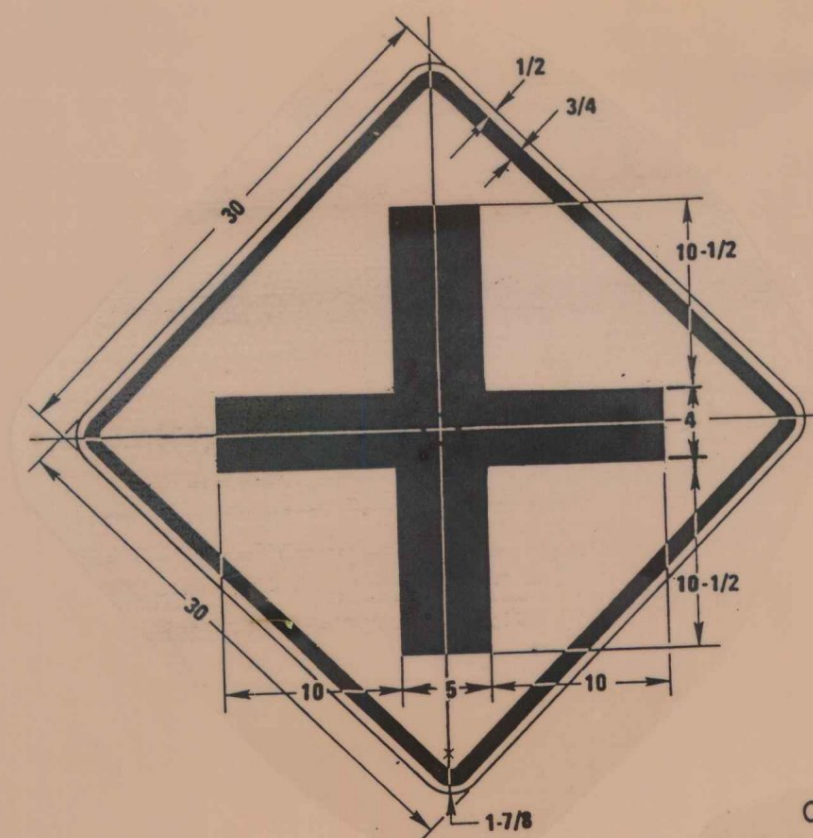


Flat Sheet Aluminum - 0.080
High Density Overlaid Plywood - 1/2"
Galvanized Flat Sheet Steel - 16 Gage

Background - Green (Reflect.)
Legend - White (Reflect.)

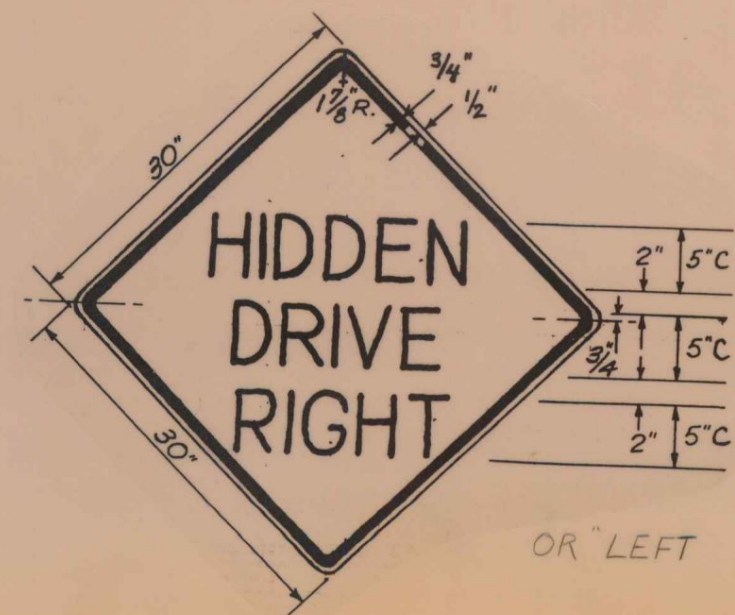
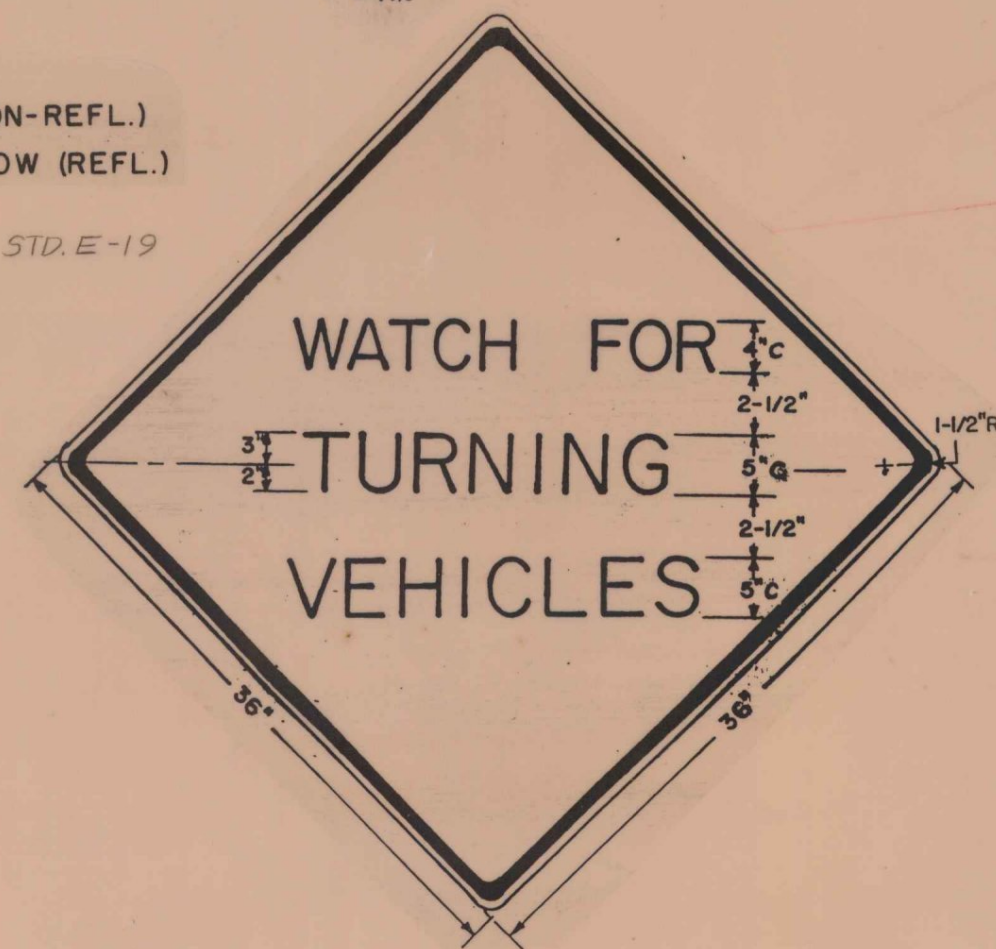
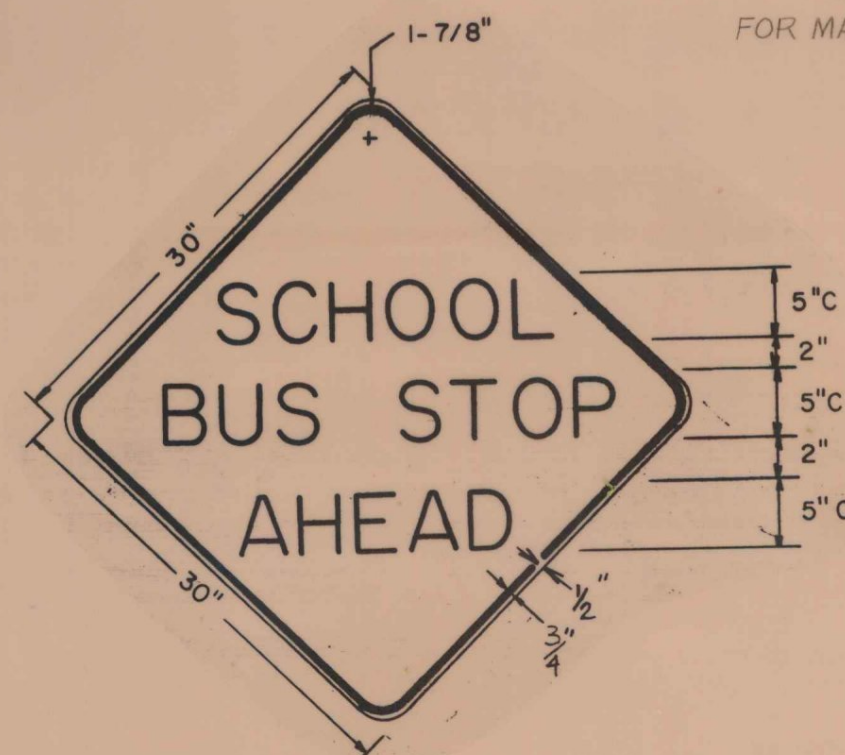


DRAWN BY JB DATE 8-86
 CWKED BY _____ DATE _____
 WATERBURY ~ STOWE
 PROJ. F NO. 029-1(02)
 TRAFFIC SHEET NO. 15 SHEET 37 OF 108

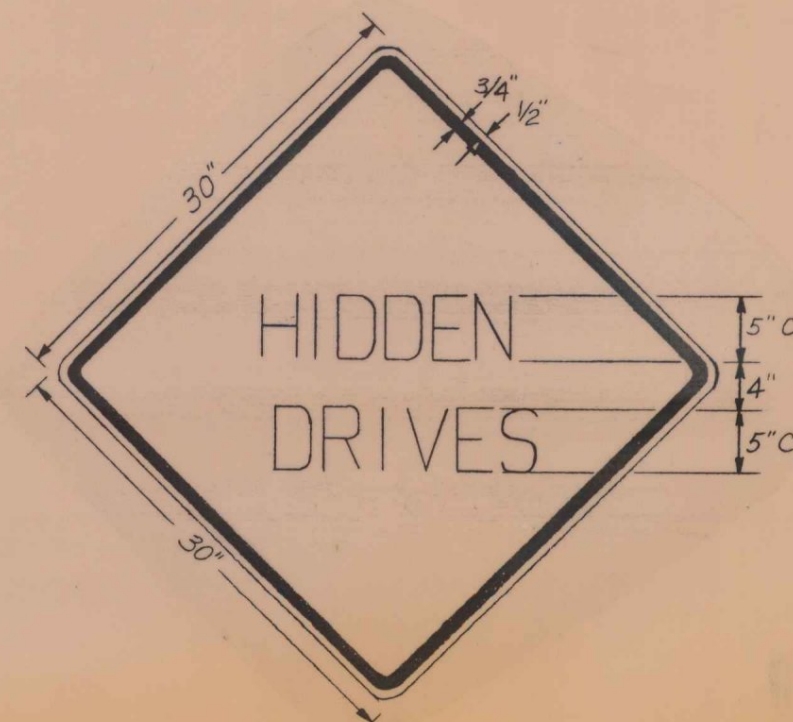


COLORS
LEGEND - BLACK (NON-REFL.)
BACKGROUND - YELLOW (REFL.)

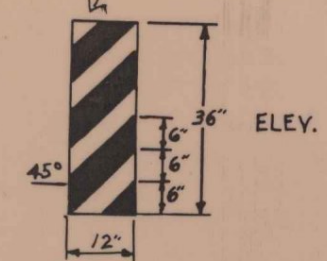
FOR MATERIALS, SEE STD. E-19



OR "LEFT"



Sloped Toward Traffic.
Right hand installation
shown.

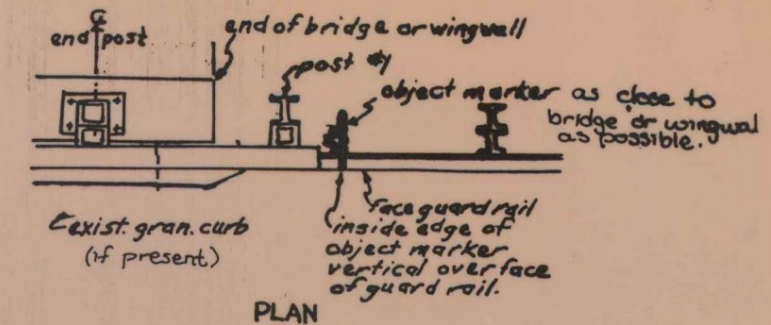


COLORS: THIS SIGN SHALL HAVE
A REFLECTORIZED YELLOW
BACKGROUND WITH BLACK
PAINTED OR LETTERING FILM
STRIPES.

OBJECT MARKER

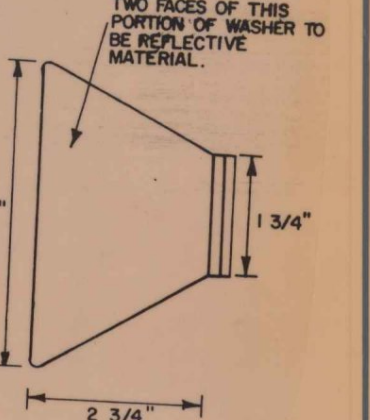
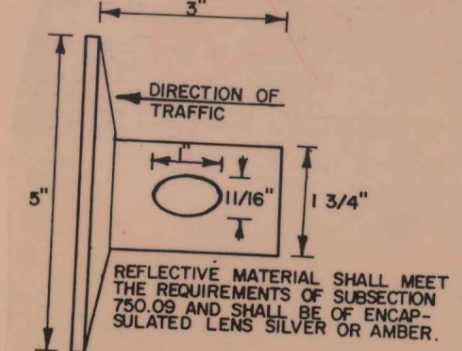
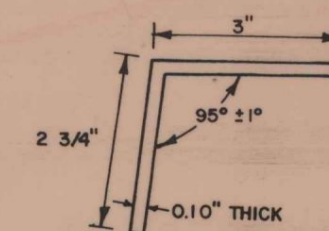
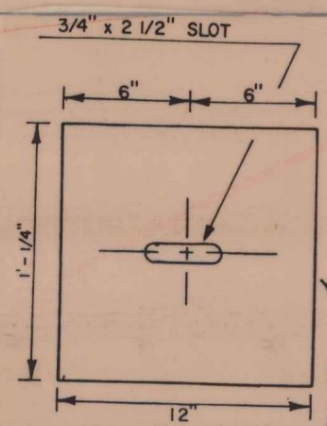
MATERIALS: THE SIGN BASE MATERIAL USED FOR THIS
SIGN MAY BE EITHER 5/8" HIGH DENSITY PLYWOOD OR
0.100 FLAT SHEET ALUMINUM WITH A REFLECTORIZED
SHEETING BACKGROUND.

Note: Signs shall be installed on type A posts,
3 lbs. per foot. Sign may be offset
from post so that the edge of sign
is directly over the rdwy. hazard.
This list is approximate and the Resident
Engineer may delete or add signs
and posts.



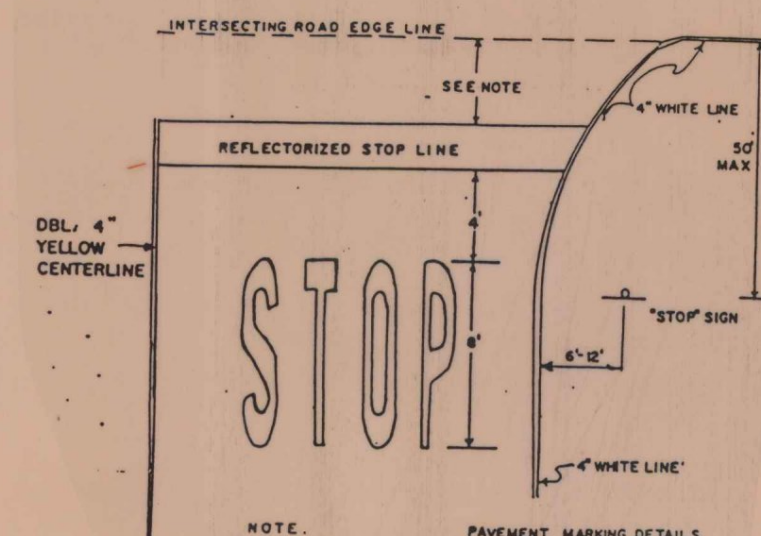
PLACEMENT OF OBJECT MARKERS

OBJECT MARKER NOTE: Objects not
actually in the roadway may be so
close to the edge of the road that
they need a marker. These include
underpass piers, bridge abutments,
hand rails, and culvert walls. In some
cases there may not be a physical
object involved, but other roadside
conditions such as narrow shoulder
drop offs, gorges, small island or
abrupt changes in the roadway
may make it undesirable for a driver
to leave the roadway. Object markers
are intended for use at such locations.
The inside edge of the marker
shall be in line with the inner edge
of the obstruction, if possible.

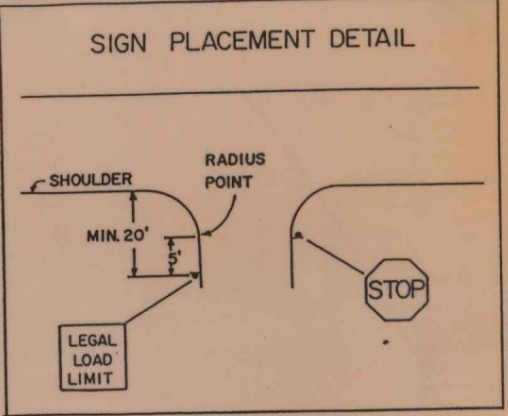


THIS REFLECTORIZED ALUMINUM WASHER IS TO BE PLACED IN
VALLEY OF BEAM WHEN MOUNTING BEAM ONTO EACH FIFTH POST.
WASHER SHALL MEET SPECIFICATION REQUIREMENTS FOR
ASTM B209 ALLOY 5052-H32.

STOP BAR DETAILS



NOTE:
1. THE STOP LINE SHOULD BE PLACED AT THE
DESIRED STOPPING POINT, IN NO CASE MORE THAN
30 FEET OR LESS THAN 4' FROM THE NEAREST
EDGE OF THE INTERSECTING ROADWAY, OR EDGE
OF CROSSWALK.



PREPARED BY JB DATE 8-56
CHECKED BY DATE
WATERBURY-STOWE
PROJ. NO. 029-1(12)
TRAFFIC SHEET NO. 16 SHEET 38 OF 108

PROJECT ^{Waterbury} ROUTE ^{Stowe} VT. 100 PROJECT # F029-1(12)
TEMPORARY 4" YELLOW LINE

MILE	MILE	LT.	RT.	QTY. LEFT	QTY. RT.	TOTAL
Waterbury						
0.858	1.29	Solid	Solid	2281	2281	4562
	1.29	1.41	Dash	Solid	158	634 792
	1.41	4.02	Solid	Solid	16949	16949 33,898
	4.02	4.74	Dash	Solid	158	634 792
	4.74	5.28	Solid	Solid	2851	2851 5702
	5.28	5.45	Solid	Dash	898	224 1122
	5.45	5.58	Dash	Solid	172	686 858
	5.58	6.05	Solid	Solid	370	370 740
	6.05	6.75	Solid	Dash	528	132 660
Stowe	0.00	0.11	Solid	Dash	581	145 726
	0.11	0.32	Solid	Solid	1109	1109 2218
	0.32	0.44	Solid	Dash	634	158 792
	0.44	0.62	Solid	Solid	950	950 1900
	0.62	0.74	Solid	Dash	634	158 792
	0.74	2.945	Solid	Solid	11642	11642 23284
				39915	38923	78,838
		26 TH's @ 40' x 2 =				- 2080
						76,758
		Assume 100% lost in leveling				+ 76,758
					sub-total	153,516
					round	84
						153,600

TEMPORARY 4" WHITE LINE						
MILE	MILE	LT.	RT.	QTY. LEFT	QTY. RT.	TOTAL
Waterbury						
0.858	6.75	31110	31110			62,220
Stowe						
0.000	2.945	15550	15550			31,100
					sub-total	93,320
					round	80
						total 93,400

PROJECT ^{Morris town} ROUTE ^{Walcott} VT. 15 PROJECT # F030-2(10)
TEMPORARY 4" YELLOW LINE

MILE	MILE	LT.	RT.	QTY. LEFT	QTY. RT.	TOTAL
Morris town						
3.095	3.11	Solid	Solid	79	79	158
	3.11	3.29	Solid	Dash	950	238 1188
	3.29	3.62	Dash		436	436
	3.62	3.76	Dash	Solid	185	739 924
	3.76	3.96	Solid	Solid	1056	1056 2112
	3.96	4.04	Solid	Dash	422	106 528
	4.04	4.08	Dash		53	53
	4.08	4.23	Dash	Solid	198	792 990
	4.23	4.37	Solid	Solid	739	739 1478
Walcott	0.00	1.36	Solid	Solid	7181	7181 14362
	1.36	1.48	Dash	Solid	158	634 792
	1.48	1.50	Solid	Solid	106	106 212
	1.50	1.60	Solid	Dash	528	132 660
	1.60	1.62	Dash		26	26
	1.62	1.78	Dash	Solid	211	845 1056
	1.78	2.03	Solid	Solid	1320	1320 2640
	2.03	2.11	Solid	Dash	422	106 528
	2.11	2.15	Dash		53	53
	2.15	2.25	Dash	Solid	132	528 660
	2.25	2.43	Solid	Solid	950	950 1900
	2.43	2.51	Solid	Dash	422	106 528
	2.51	2.55	Dash		53	53
	2.55	2.716	Dash	Solid	219	876 1095
				15128	621	16533 32432
		3 TH's @ 40' x 2				- 240
						32192
		Assume 100% lost in leveling				+ 32192
					sub-total	64384
					round	16
						total 64,400

TEMPORARY 4" WHITE LINE						
MILE	MILE	LT.	RT.	QTY. LEFT	QTY. RT.	TOTAL
Morris town						
3.095	4.37	6732	6732			13464
Walcott						
0.000	2.716	14340	14340			28680
					sub-total	42144
					round	56
						total 42,200

DATUM
VERTICAL _____
HORIZONTAL _____

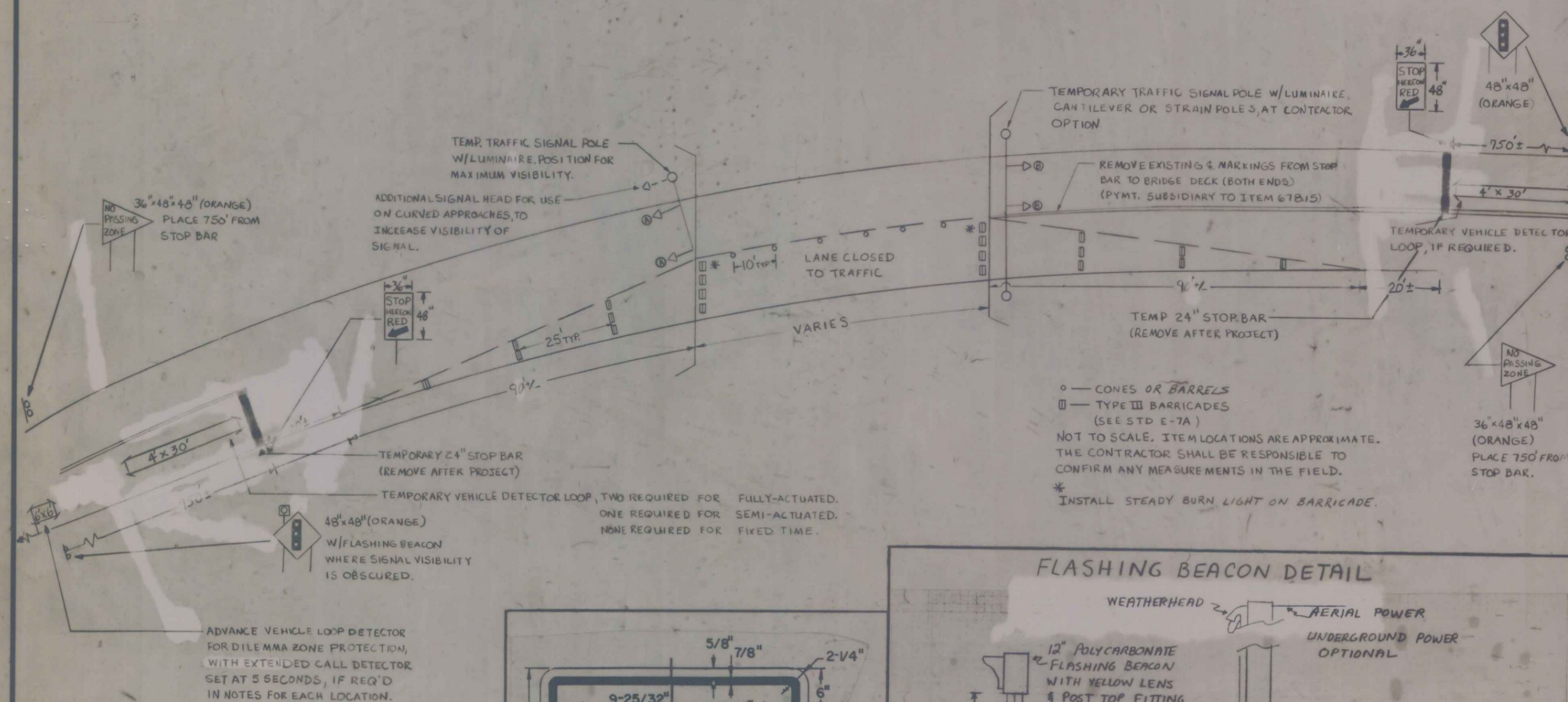
Pavement Markings

SURVEYED BY _____ DATE _____
DRAWN BY _____ DATE _____
TRACED BY _____ DATE _____
District 6 Paving
PROJ. NO. _____
TRAFFIC SHEET 17 sheet 39 of 108

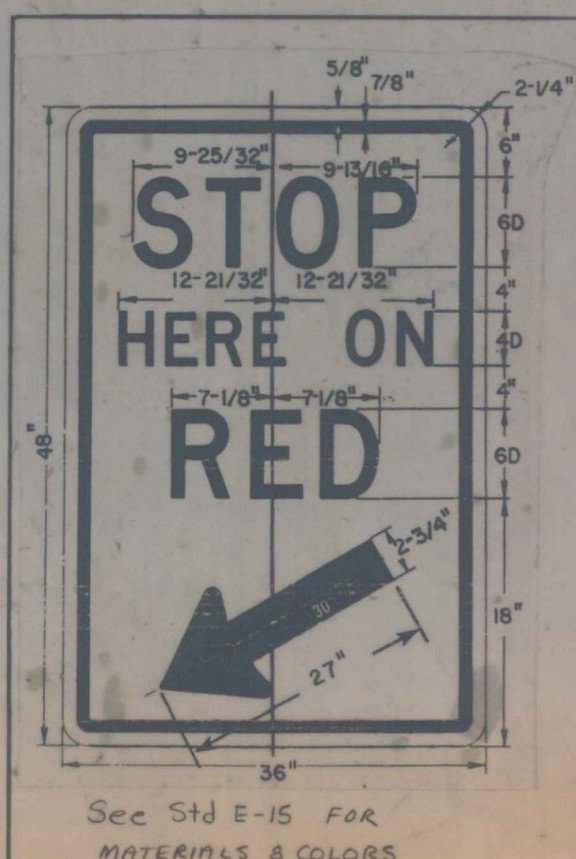
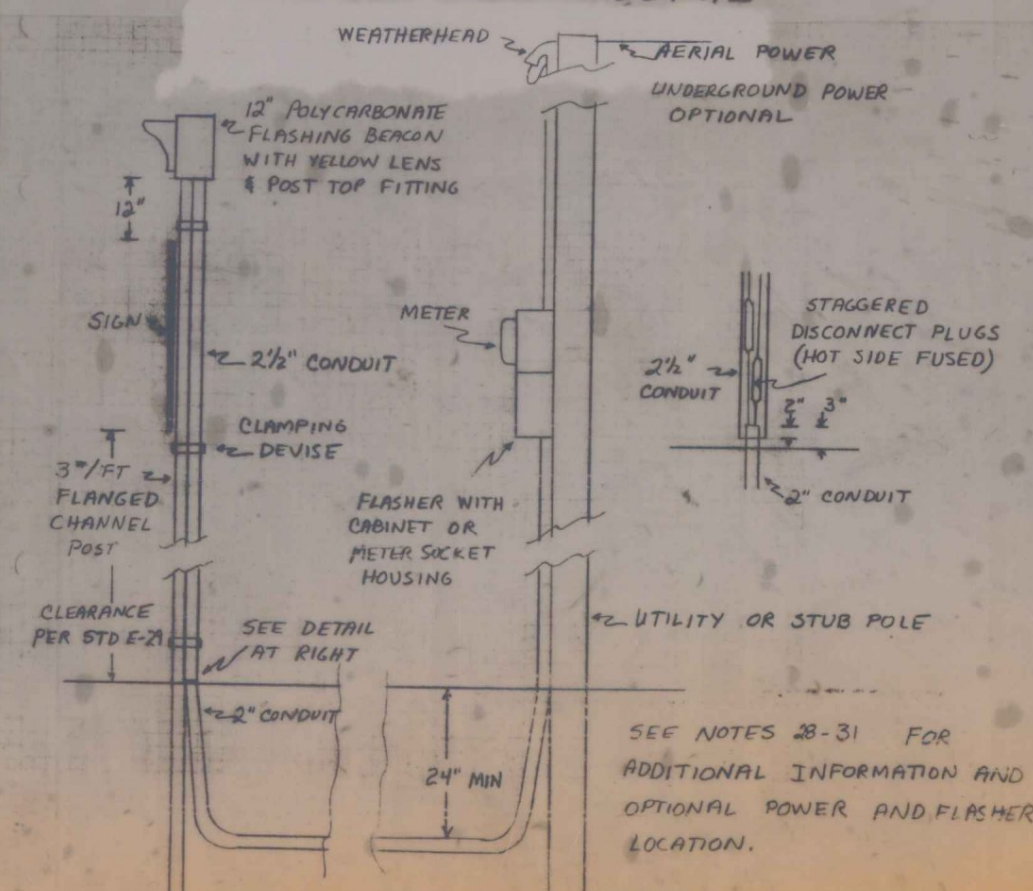
ONE-WAY TEMPORARY TRAFFIC SIGNAL (TYPICAL)

NOTE: THIS TYPICAL IS APPLICABLE ONLY IN SITUATIONS WHERE THERE ARE NO TOWN HIGHWAYS WITHIN THE AREA BETWEEN THE STOP BARS.

SEE NOTES FOR INDIVIDUAL PHASING DIAGRAMS AND ANY SPECIAL INSTRUCTIONS AT EACH LOCATION



FLASHING BEACON DETAIL



See Std E-15 FOR MATERIALS & COLORS

TEMPORARY TRAFFIC SIGNAL NOTES

- 1A. CERTIFICATION SHALL NOT BE NECESSARY FOR TEMPORARY TRAFFIC SIGNAL EQUIPMENT.
- 1B. THE CONTRACTOR SHALL INSURE THAT THE SIGNAL INSTALLATION CONFORMS TO THE MANUAL OF TRAFFIC CONTROL DEVICES WITH THE SUPPORTING STRUCTURES AS PER AASHTO'S STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGN, LUMINAIRES AND TRAFFIC SIGNALS.
2. SIGNAL TIMING/TIMING ADJUSTMENTS REQUESTED BY THE RESIDENT ENGINEER SHALL BE ACCOMPLISHED WITHIN A 48 HOUR PERIOD AND PAYMENT SHALL BE SUBSIDIARY TO THE TRAFFIC SIGNAL ITEM. THE ALL-RED CLEARANCE INTERVAL IS BASED ON AN ASSUMED SPEED OF 35 MPH. THE RESIDENT ENGINEER SHALL MAKE SEVERAL TRIAL RUNS TO DETERMINE THE PROPER ALL-RED CLEARANCE INTERVAL.
3. SIGNAL FACES SHALL CONSIST OF 12" LENSES, (RED, YELLOW AND GREEN)
4. THE BOTTOM OF THE HOUSING OF A SIGNAL FACE SUSPENDED OVER A ROADWAY SHALL BE NOT LESS THAN 16 1/2 FEET NOR MORE THAN 19 FEET ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY. THE BOTTOM OF A SIGNAL FACE, NOT MOUNTED OVER A ROADWAY, SHALL NOT BE LESS THAN 8 FEET NOR MORE THAN 15 FEET ABOVE THE SIDEWALK OR, IF NONE, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE HIGHWAY. CAUTION SHOULD BE USED TO INSURE COMPLIANCE WITH THE HEIGHT REQUIREMENTS IN THE EVENT THE NEW APPROACH GRADES DIFFER SIGNIFICANTLY FROM THE OLD ROAD GRADE.
5. SIGNAL FACES FOR ANY ONE APPROACH SHALL BE NOT LESS THAN 8 FEET APART, MEASURED HORIZONTALLY BETWEEN CENTER OF FACES.
6. A "SIGNAL AHEAD" SIGN SHALL BE PLACED AT LEAST 750' FROM THE SIGNAL OR AT A POSITION TO BE DETERMINED BY THE ENGINEER. ALL POST, SIGNS, AND TEMP PWT. MARKINGS SHALL BE CONSIDERED AS SUBSIDIARY TO THE TRAFFIC SIGNAL ITEM.
7. SIGNAL HEADS MAY BE HUNG ON A SPAN WIRE OR ON A CANTILEVER MAST ARM. AT LEAST ONE SIGNAL HEAD SHALL BE UNMISTAKABLY IN LINE WITH THE CENTER OF APPROACHING TRAFFIC AT ALL TIMES. THE SECOND SIGNAL HEAD MAY BE POST MOUNTED LOCATED AT A DISTANCE NO GREATER THAN 14 1/2' FROM THE CENTER OF THE APPROACH LANE WHEN THE STOP BAR IS 40' FROM THE SIGNAL HEAD. CONSULT THE MUTCD FOR ADDITIONAL INFORMATION CONCERNING SIGNAL PLACEMENT.
8. A * LUMINAIRE AND MAST ARM SHALL BE PROVIDED ON A POLE ON EACH APPROACH AT A MOUNTING HEIGHT OF 30' ABOVE ROADWAY CENTER-LINE. THE INTENT IS TO LIGHT UP THE AREA AROUND THE SIGNAL HEADS AND STOP BAR FOR INCREASED VISIBILITY. THE RESIDENT ENGINEER SHALL DETERMINE THE ADEQUACY OF THE LIGHTING AND DIRECT CHANGES IF THE LIGHTING IS INSUFFICIENT. * 400 WATT MER/200 WATT HPS.
9. POLES SUPPORTING SPAN WIRES AND/OR MAST ARMS SHALL BE ADEQUATELY BRACED OR GUYED AND SHALL NOT BE PLACED SO AS TO CREATE A HAZARD TO THE TRAVELING PUBLIC.
10. TEMP PWT. MARKINGS AND SIGNING AS SUBSIDIARY TO THE ITEM 678.15, TRAFFIC CONTROL SIGNALS, (STOP BARS, "STOP HERE ON RED", "SIGNAL AHEAD", "NO PASSING ZONE").
11. SIGNAL HEAD PLACEMENT SHOWN IS CRITICAL. HEADS SHALL BE ADJUSTED TO REFLECT LANE LOCATION CHANGES.
12. STOP BARS SHALL BE LOCATED A MINIMUM OF 40' AND A MAXIMUM OF 120' FROM THE NEAREST SIGNAL HEAD.
13. SEE THIS SHEET FOR "STOP HERE ON RED" SIGN DETAIL, AND E-19B FOR "SIGNAL AHEAD" SYMBOL SIGN. THE "SIGNAL AHEAD" SIGN SHALL HAVE AN ORANGE BACKGROUND (REFLECTORIZED). SEE STANDARD E-29 FOR SIGN PLACEMENT. SEE STANDARD E-34 FOR ADDITIONAL INFORMATION ON SIGNALS AND DETECTORS.
14. THE SIGNAL SYSTEM SHALL CONSIST OF POLES, SIGNS AND POSTS, TEMPORARY PAVEMENT MARKINGS AND SIGNAL EQUIPMENT TO PROVIDE FOR AN ADEQUATE DESIGN. ALSO INCLUDES PERMITS AND COST ASSOCIATED WITH PROVIDING ELECTRICAL POWER.
15. THE CONTRACTOR SHALL PROVIDE AN ACTUATED CONTROLLER. THE APPROACHES NOTED SHALL HAVE A TEMPORARY VEHICLE DETECTOR. THE TYPE OF DETECTION SHALL BE INDUCTANCE. THE CONTROLLER, VEHICLE DETECTORS AND ALL OTHER SIGNAL EQUIPMENT SHALL MEET OR EXCEED ALL NEMA STANDARDS.
16. VEHICLE DETECTOR LOOPS SHALL BE 4'x30' FOR PRESENCE DETECTION AT THE STOP BAR WITH THE NEAR PORTION LOCATED 5' FEET BEHIND THE STOP BAR. A 6'x6' EXTENDED CALL DETECTOR SHALL BE PROVIDED AS NECESSARY. LOCATE 3.50' FROM STOP BAR, OR AS NOTED, FOR DILEMMA ZONE PROTECTION.
17. TWO-WAY TRAFFIC SHALL BE MAINTAINED ON THE DETOUR WHENEVER POSSIBLE. DURING TWO-WAY TRAFFIC, THE SIGNALS SHALL BE SET ON FLASHING.
18. APPROACH WIDTHS SHALL BE AS DETAILED IN SECTION 638.04(13) TO MINIMIZE VEHICLE DELAY. SIGNAL POLES SHALL BE PLACED SO AS TO USE AS MUCH OF THE AVAILABLE APPROACH AS POSSIBLE.
19. INTERVAL TIMING SHOWN IN SECONDS.
20. INTERCONNECT BETWEEN SIGNAL POLES BY WHATEVER MEANS POSSIBLE OR CONVENIENT.
21. ALL TEMPORARY SIGNAL EQUIPMENT, SIGNS, ETC, SHALL BELONG TO THE CONTRACTOR AT THE END OF THE PROJECT AND HE SHALL BE RESPONSIBLE FOR THEIR REMOVAL, INCLUDING ANY TEMPORARY PAVEMENT MARKINGS, UTILITY POLES, WIRES, ETC..
22. PLACE TEMPORARY POLES BEHIND GUARDRAIL WHERE POSSIBLE.
23. PAYMENT FOR TEMPORARY VEHICLE DETECTOR LOOP(S) SHALL BE LINEAL FOOT OF SANSLOT IN THE PAVEMENT UNDER ITEM 678.22 (MODIFIED).
24. THE "NO PASSING" SIGN SHALL BE USED TO PREVENT PASSING FOR 750' IN ADVANCE OF THE STOP BAR. THE SIGN SHALL BE PER STANDARD E-19B, EXCEPT THE COLOR SHALL BE A BLACK TEXT AND BORDER ON A REFLECTORIZED ORANGE BACKGROUND.
25. IF NEARBY TOWN HIGHWAYS ENTER BETWEEN THE SIGNAL HEADS AND THE STOP BAR THEY SHALL HAVE SEPARATE SIGNAL CONTROL, AND ARE DETAILED ON SEPARATE SHEETS.

26. ON SEMI-ACTUATED SIGNALS, PARTICULARLY WITH LONG BRIDGES, THE CONTROLLER SHOULD BE LOCATED ON THE SAME SIDE OF THE BRIDGE AS THE LOOP.
27. ALL ELECTRICAL WORK SHALL MEET THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE AND THE STATE INSPECTOR. FLASHING BEACON NOTES
28. WIRE CONNECTIONS AT THE BASE OF THE POST SHALL BE FUSED WITH A WATER-TIGHT DISCONNECT PLUG-IN TYPE CONNECTOR WHICH WILL DISCONNECT WITHOUT DAMAGE DURING A KNOCKDOWN. EACH INSTALLATION SHALL BE GROUNDED.
29. AT THE CONTRACTORS' OPTION:
 - A) THE POWER SUPPLY MAY BE AERIAL OR UNDERGROUND.
 - B) POWER MAY BE COMBINED WITH THE TRAFFIC SIGNAL OR SEPARATE.
 - C) THE FLASHER MAY BE INSTALLED ON A STUB POLE NEAR THE SIGN, ON A UTILITY POLE (WITH UTILITY COMPANY APPROVAL) OR AT THE SAME LOCATION AS THE TRAFFIC SIGNAL CONTROLLER.
30. THE FLASHER UNIT SHALL BE ONE CIRCUIT AND INCLUDE A RADIO INTERFERENCE FILTER.
31. THE FLASHING BEACON INSTALLATION SHALL BE SUBSIDIARY TO THE TRAFFIC SIGNAL ITEM.
32. BATTERY OPERATED FLASHERS SHALL NOT BE ALLOWED

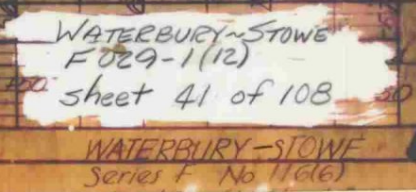
PHASING DIAGRAMS AND SPECIAL NOTES FOR EACH LOCATION

SIGNAL PHASING DIAGRAM

PHASE	A			B		
INTERVAL	1	2	3	4	5	6
MINIMUM	15			15		
EXTENSION						
MAXIMUM		3	2		3	2
HEAD A	G	Y	R	R	R	R
HEAD B	R	R	R	G	Y	R

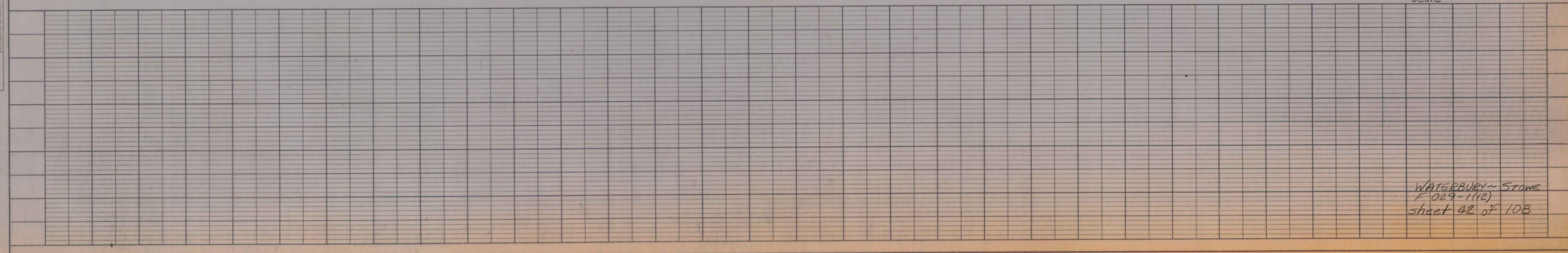
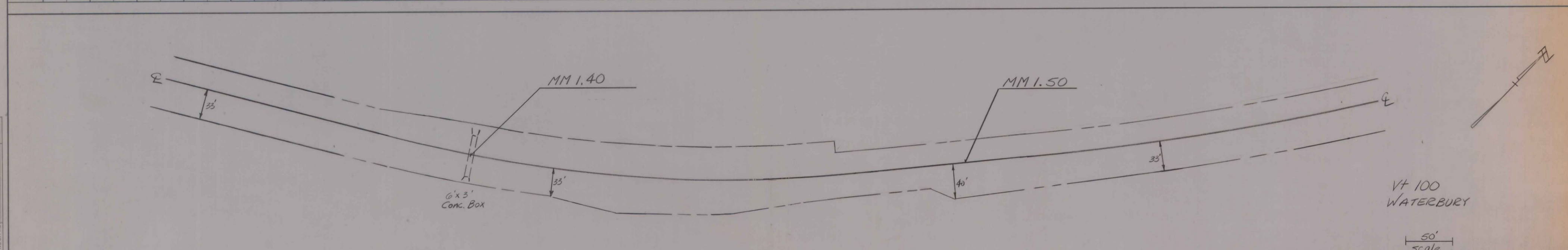
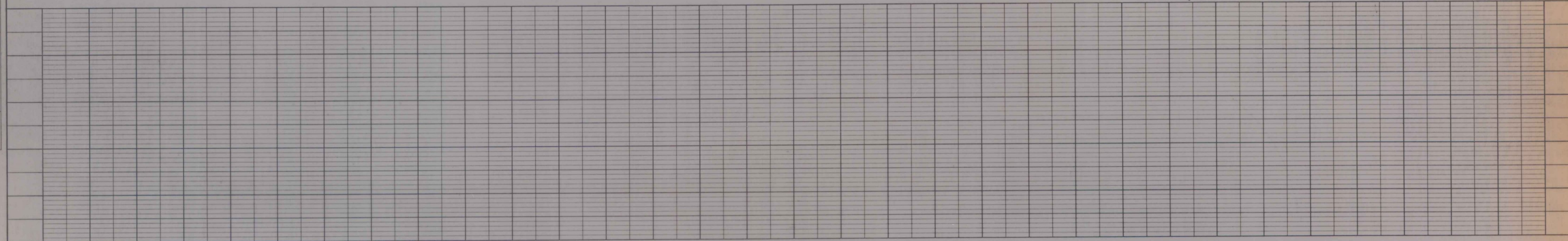
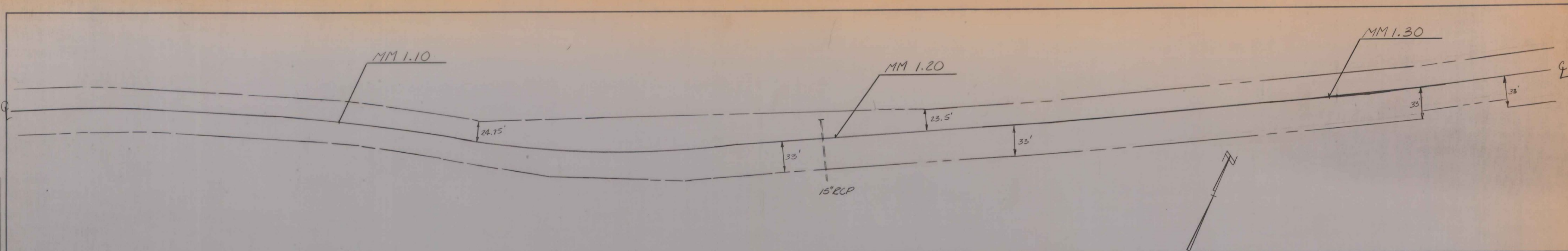
- 1 Controller shall be 2 phase - pretimed.
- 2 All clearing on road widening shall be done to maximize signal visibility.
- 3 Flashing beacons required on both approaches.

TEMPORARY TRAFFIC SIGNAL
SURVEYED BY DAR DATE 12/86
DRAWN BY DATE
TRACED BY DATE
MORRISTOWN-WOLCOTT
VT 15 BRIDGE 48
OVER GREEN RIVER
PROJ. F NO 030-2(16)S
SHEET 40 OF 108

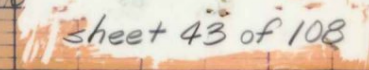
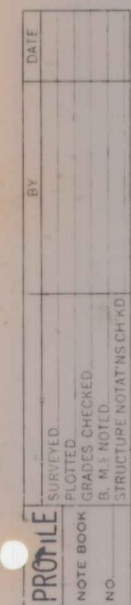


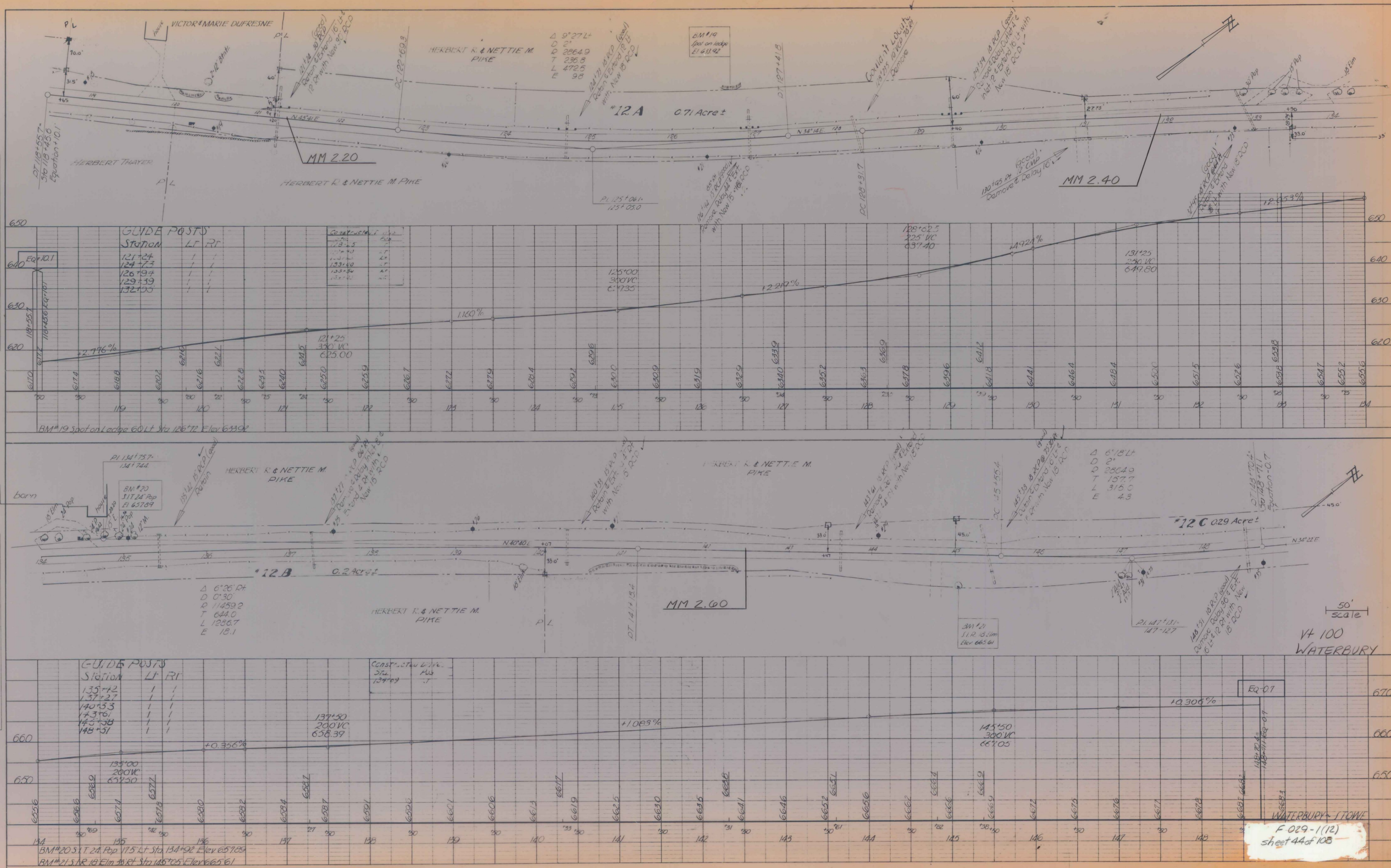
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	BY	
	SURVEYED	
	NOTE BOOK	

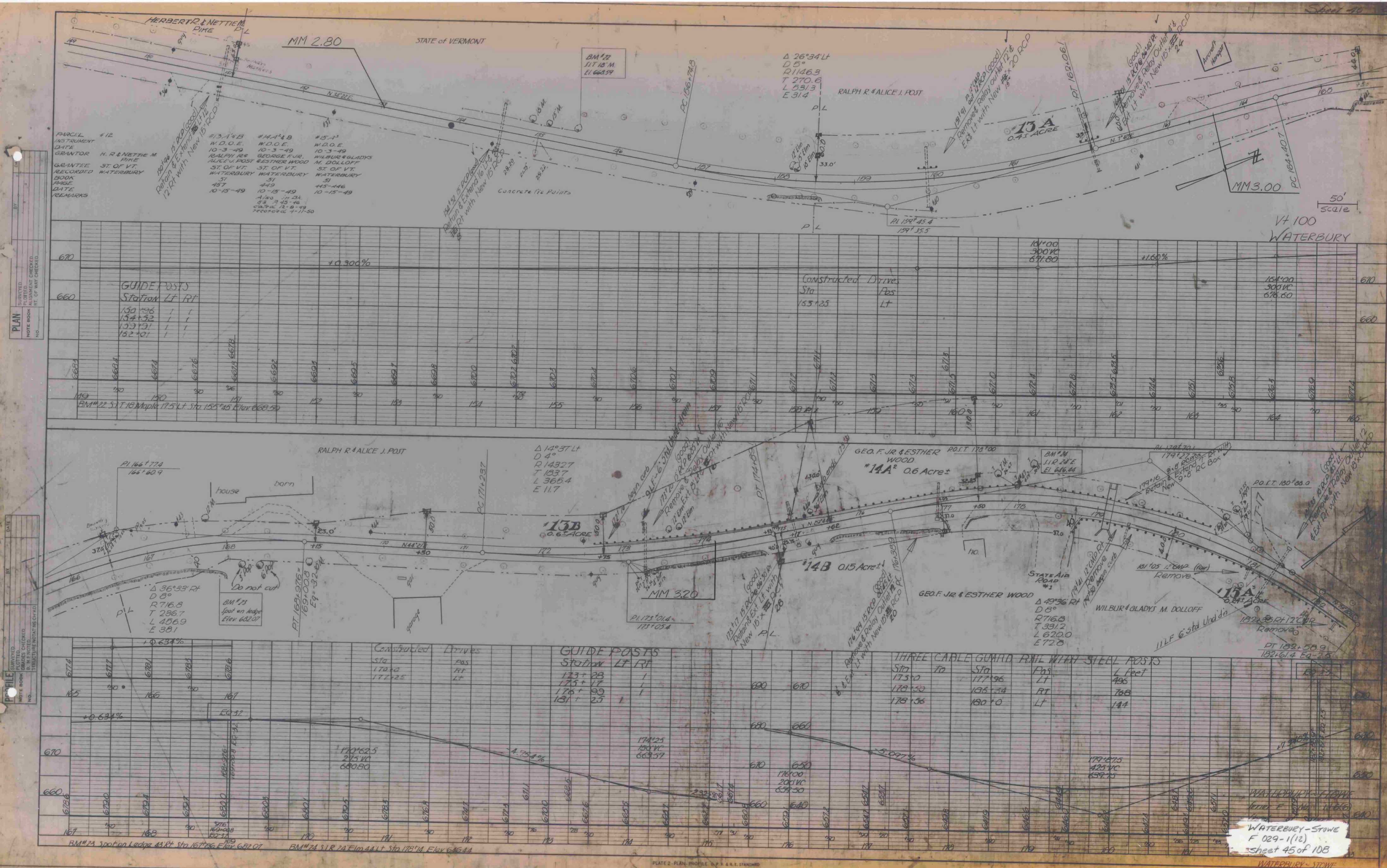
PROFILE	DATE	
	BY	
	SURVEYED	
	NOTE BOOK	



WATERBURY ~ STONE
F 029-1(12)
sheet 42 of 103



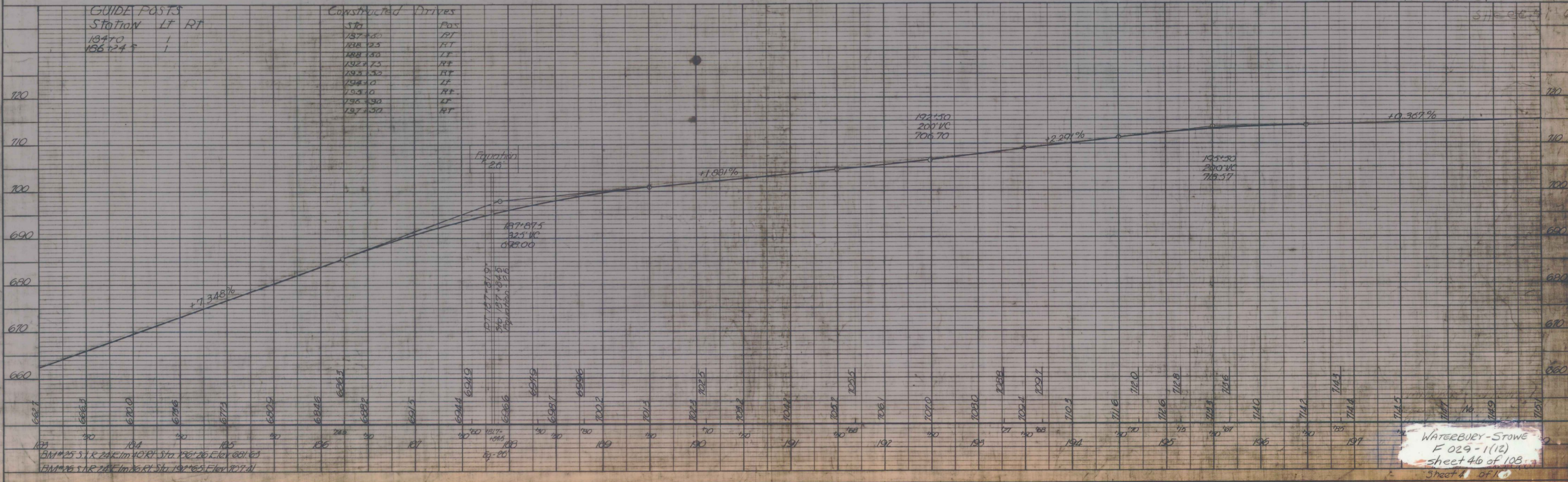
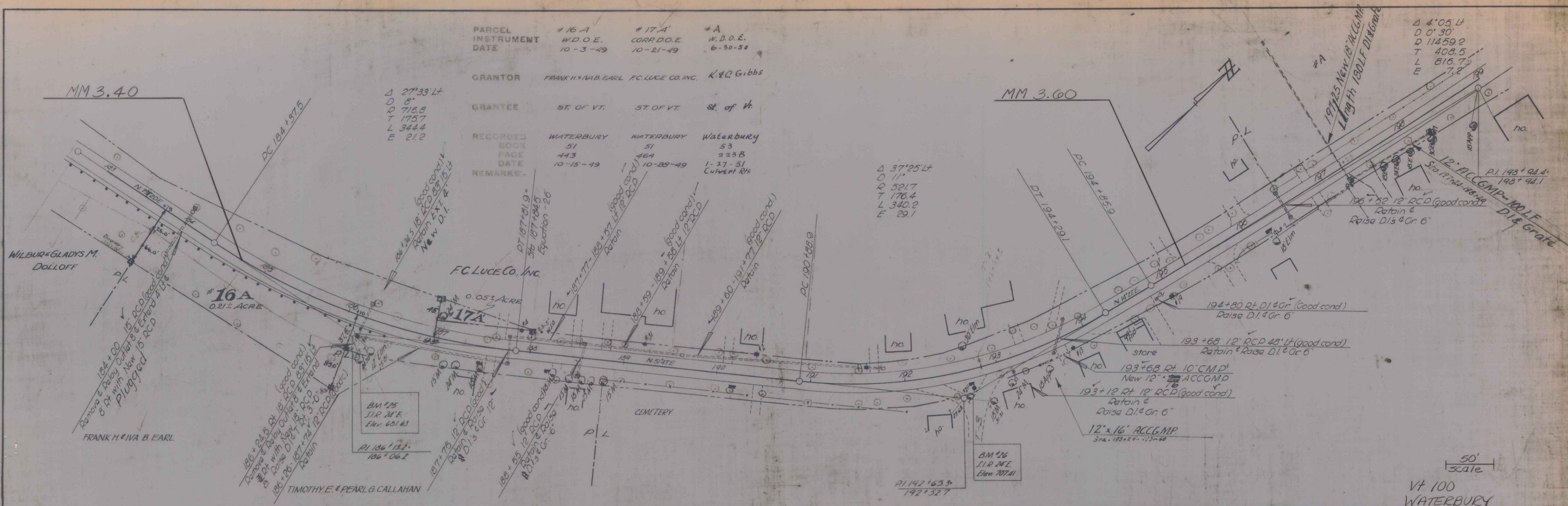




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PLOTTED	CHECKED	BY
NOTE BOOK	RT. OF WAY CHECKED	NO.

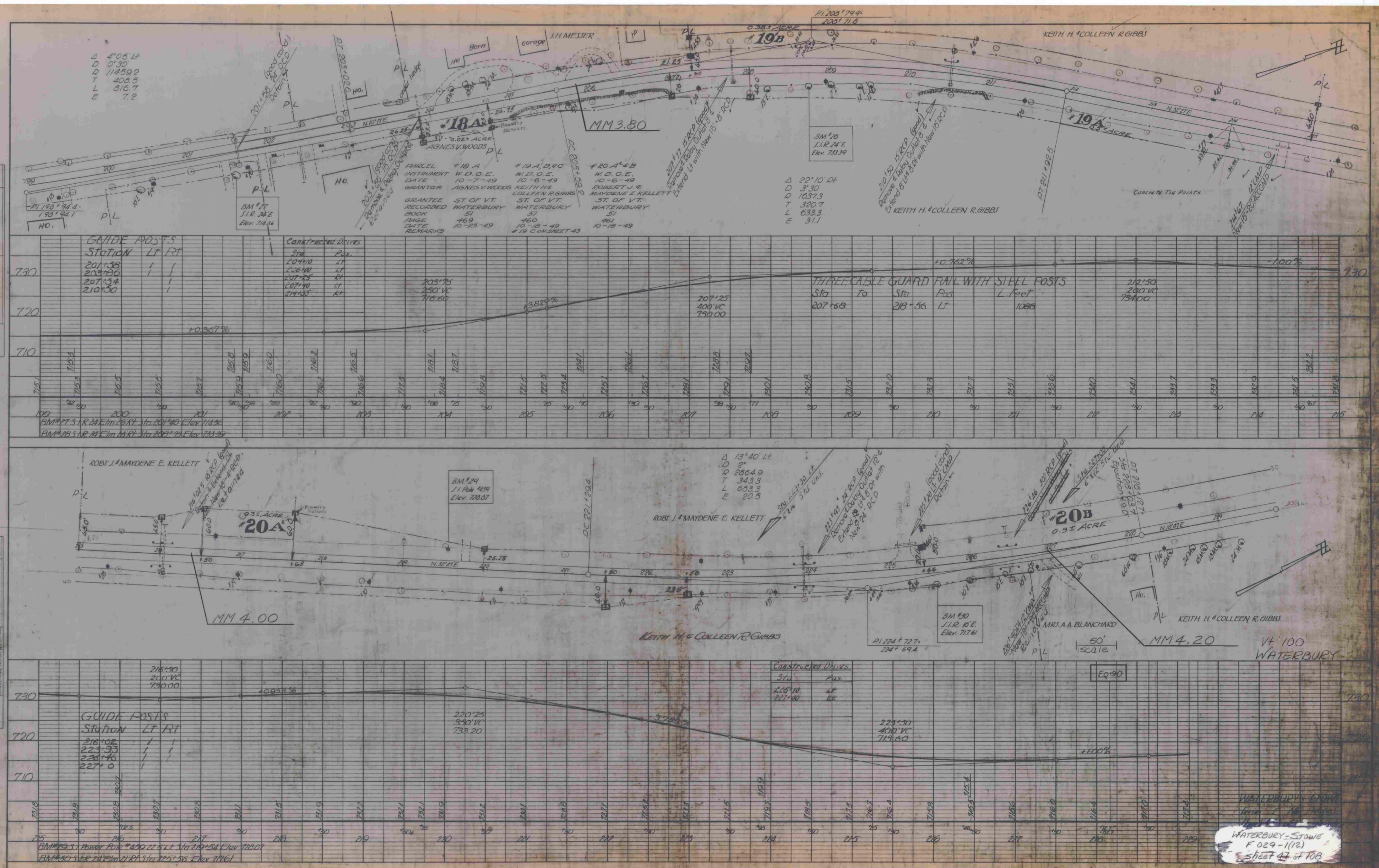
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PLOTTED	CHECKED	BY
NOTE BOOK	B.M. NOTED	NO.
STRUCTURE NOTING CHECKED		

PARCEL	#16A	#17A	#A
INSTRUMENT	W.D.O.E.	CORP.D.O.E.	W.D.O.E.
DATE	10-3-49	10-21-49	6-30-58
GRANTOR	FRANK H. & IVA B. EARL, FC LUCE CO. INC. K. & C. Gibbs		
GRANTEE	ST. OF VT.	ST. OF VT.	ST. OF VT.
RECORDED	WATERBURY	WATERBURY	WATERBURY
BOOK	51	51	53
PAGE	443	464	228B
DATE	10-15-49	10-28-49	1-27-51
REMARKS			Curvent Ris



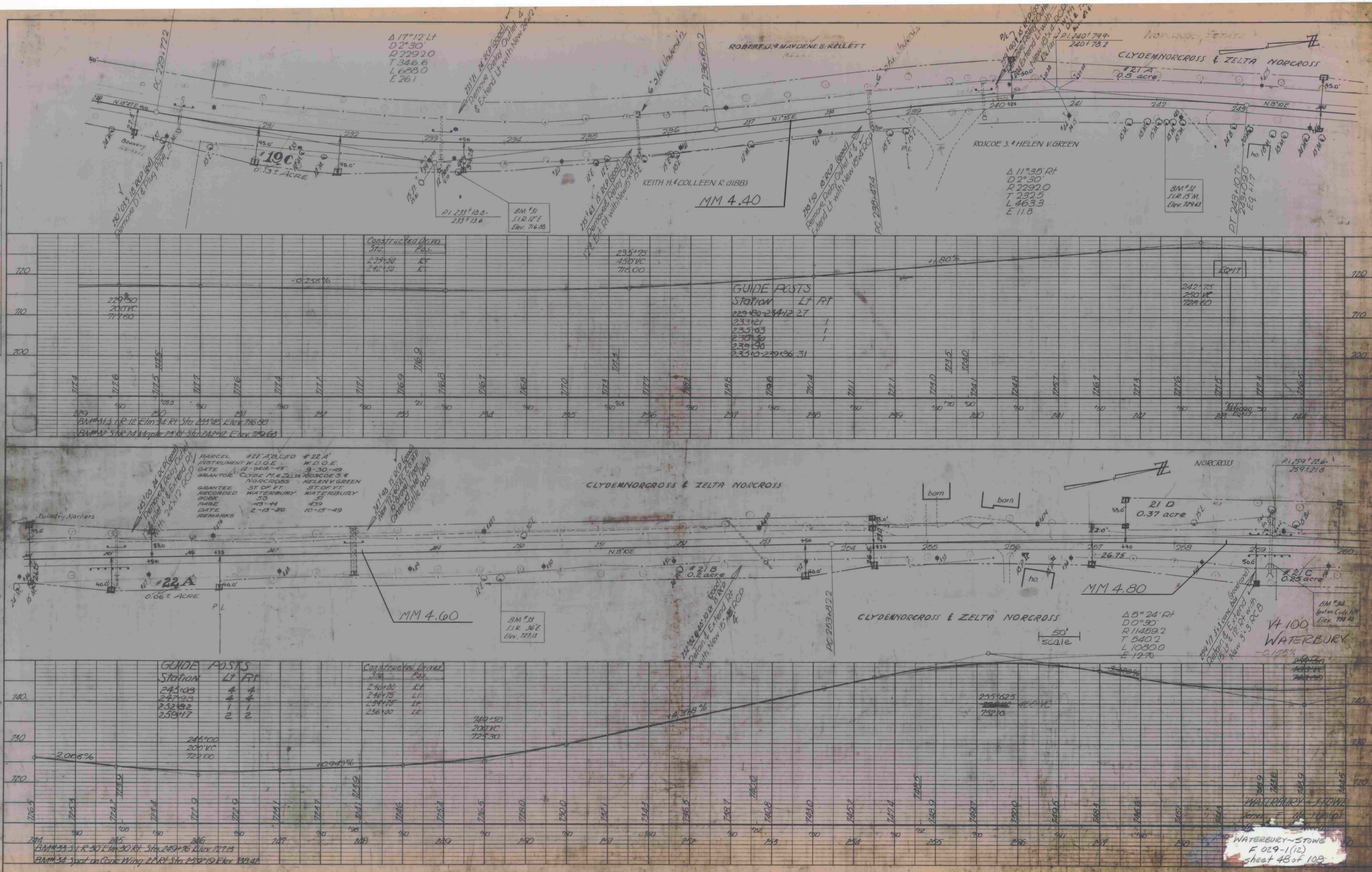
DATE:
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 PLAN
 SURVEYED:
 NOTE BOOK:
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 CHECKED:
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 STRUCTURE NOTATION:
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 STRUCTURE NOTATION:
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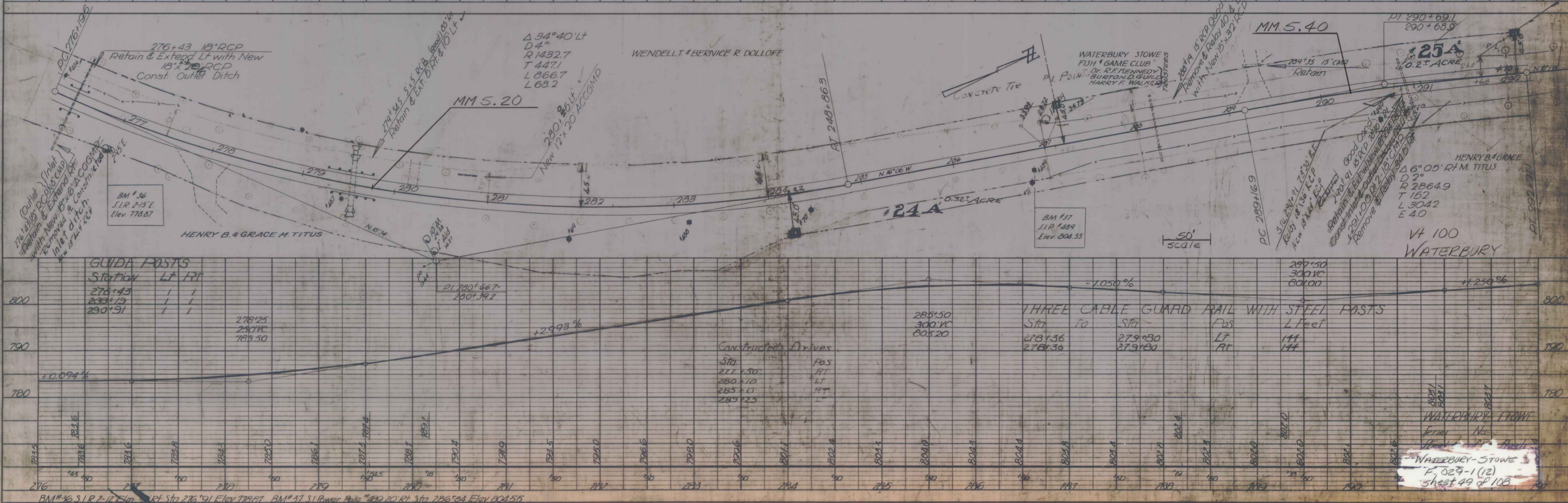
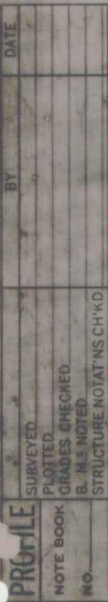


DATE	BY
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PLOTTED	
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NO. 2	

DATE	BY
SUPPORTED	
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NO. 1	
NO. 2	



PLAN	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	ALIGNMENT CHECKED		
	RT. OF WAY CHECKED		



PARCEL #28 A #29 A & B
 INSTRUMENT W.D.O.E. W.D.O.E.
 DATE 11-1-49 11-1-49
 GRANTOR ARTHUR, RALPH, & DANIEL MARSHALL ARTHUR H. MARSHALL
 GRANTEE ST. OF VT. ST. OF VT.
 RECORDED WATERBURY WATERBURY
 BOOK 51 487-8
 PAGE 485-6
 DATE 11-16-49
 REMARKS #29 B ON SHEET 47

EARLE & PHYLLIDA LIFTON

EARLE & PHYLLIDA LIFTON

WOODS

WOODS

ARTHUR, RALPH & DANIEL MARSHALL WOODS

ARTHUR H. MARSHALL

GUIDE POSTS
 Station LT RT
 323.91 / 324.34
 330.77 / 331.115

Constructed Drives
 Sta 325+00
 RT
 0.918%

BM #42 S.I.R. 18" Spr 914.35
 BM #43 S.I.R. 15" Ash 903.33

BM #44 S.I.R. 15" But 878.45

BM #43 S.I.R. 15" Ash 903.33

BM #43 S.I.R. 15" Ash 903.33

BM #45 S.I.R. 15" Ash 849.52

WATERBURY VT 100

50' Scale

GUIDE POSTS
 Station LT RT
 341.625 / 342.06
 351.55

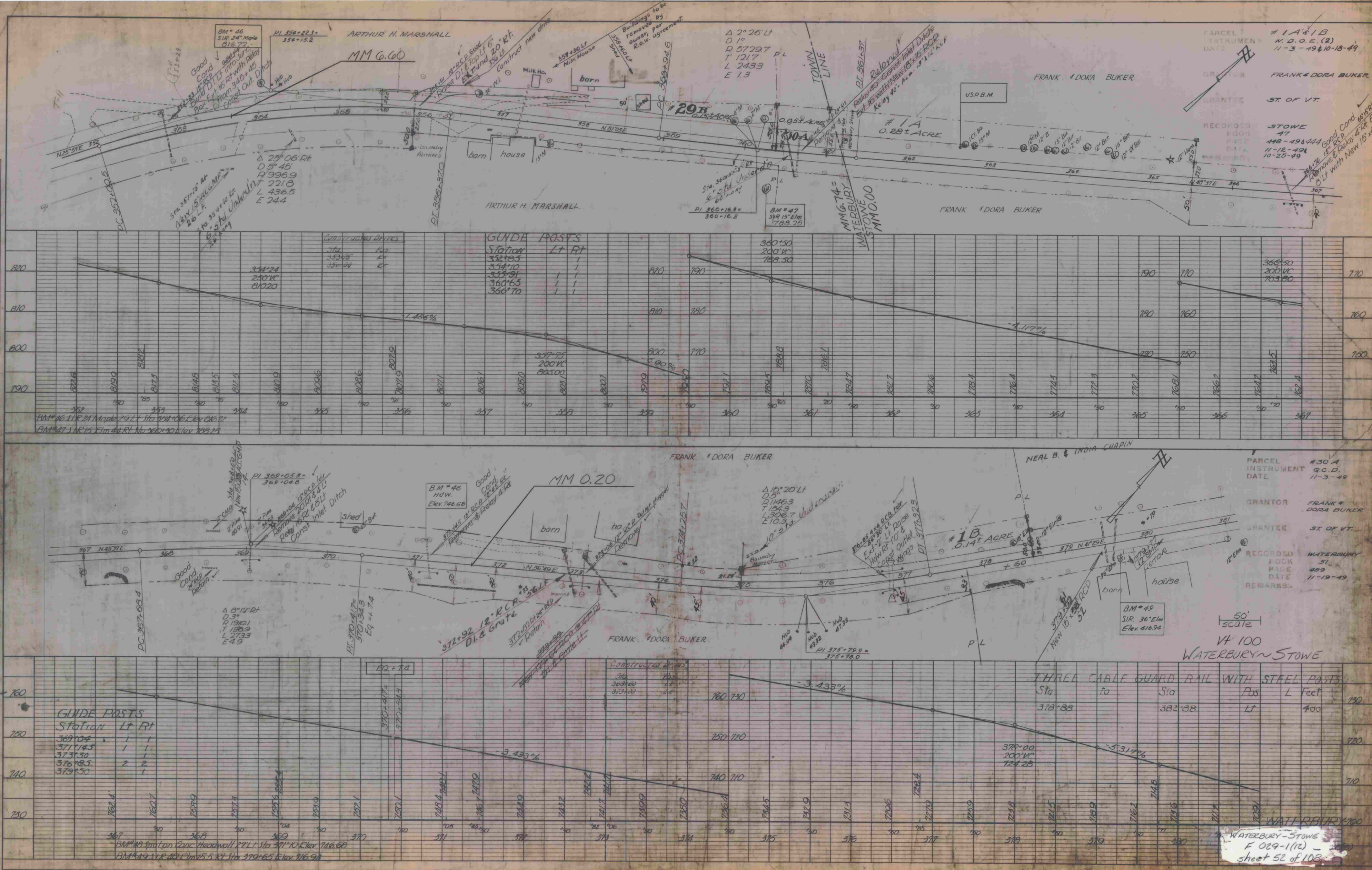
Constructed Drives
 Sta 338+00
 LT RT
 343+00

BM #44 S.I.R. 15" But 878.45
 BM #45 S.I.R. 15" Ash 903.33

WATERBURY STONE
 5 029-1 (12)
 Sheet 51 of 108
 Sheet 4 of 10 Sheets

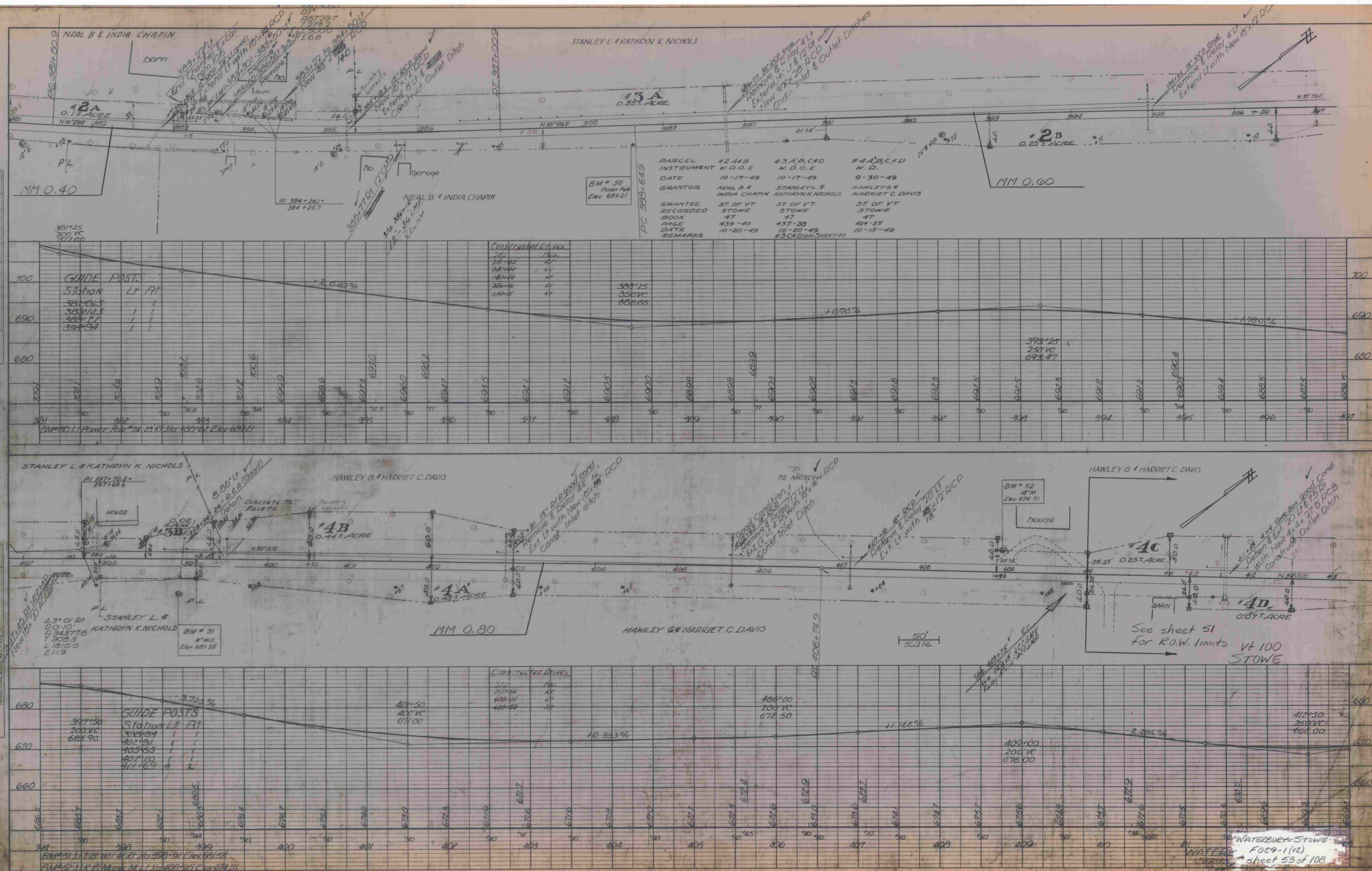
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PROFILE	DATE	BY	CHECKED
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DATE	BY	DATE	BY
PLAN		PROFILE	
SURVEYED		SURVEYED	
NOTE BOOK		NOTE BOOK	
NO.		NO.	

DATE	BY	DATE	BY
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PLAN
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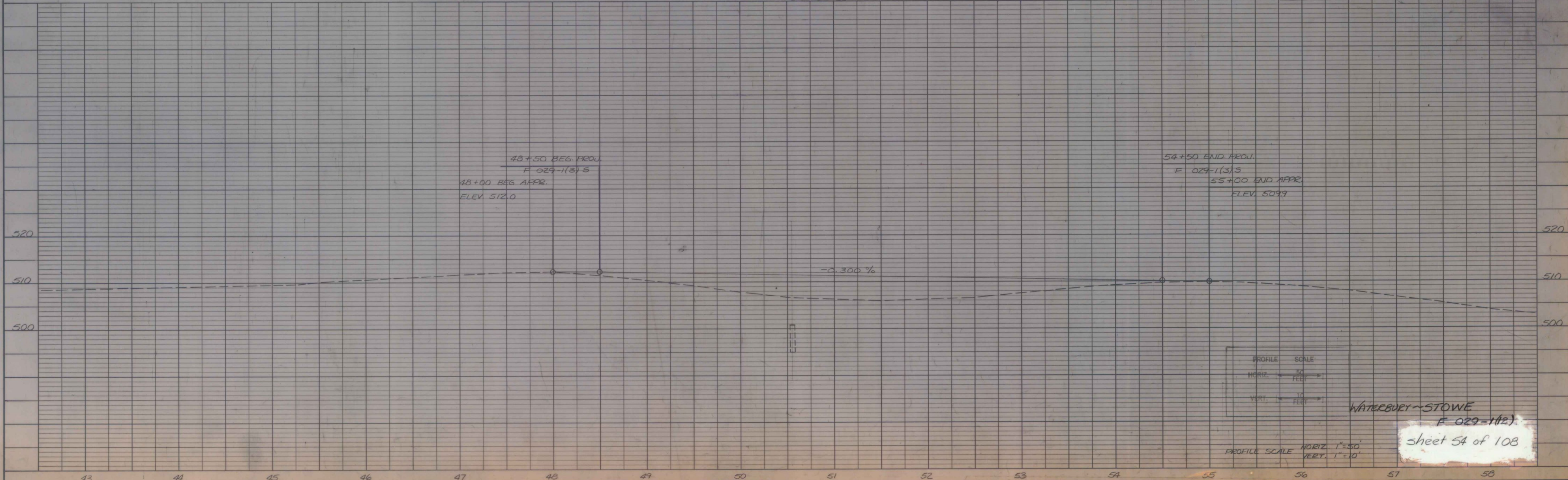
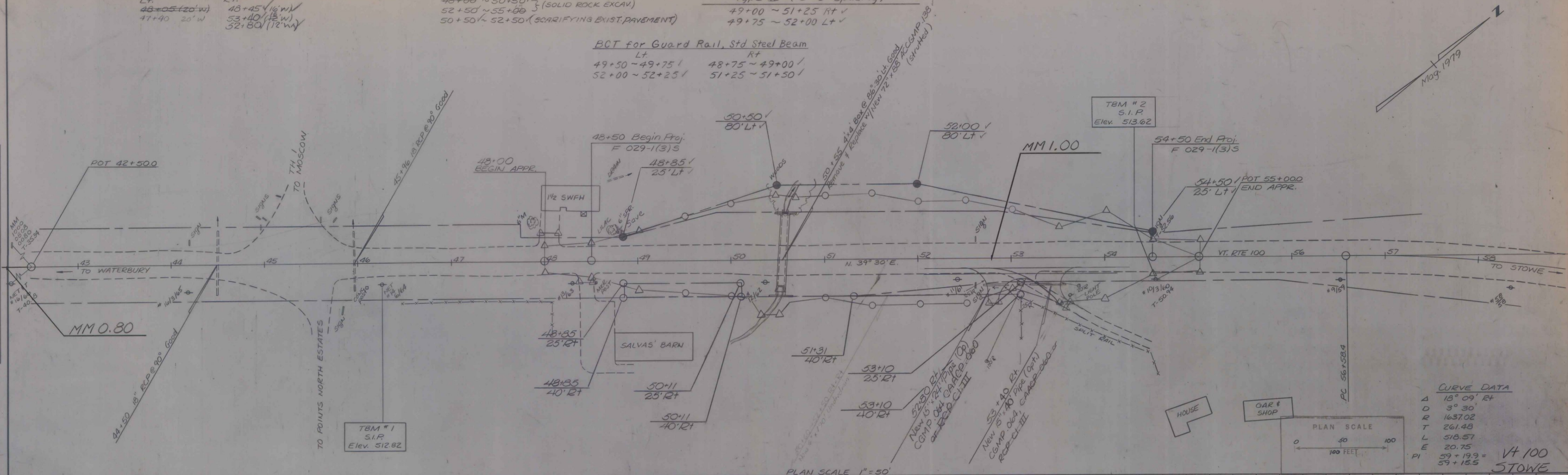
Construct Drive
Lt. Rt.
48+05+20' W 48+45' 1/2" W
47+40 20' W 53+40' 1/2" W
32+80' 1/2" W

Removal of Existing Concrete Pavement
48+00 ~ 50+50' (SOLID ROCK EXCAV.)
52+50 ~ 55+00 (SCARIFYING EXIST. PAVEMENT)
50+50 ~ 52+50 (SCARIFYING EXIST. PAVEMENT)

Guard Rail, Std. Steel Beam w/ Wood Posts
Type II (6'-3" Spacing)
49+00 ~ 51+25 Rt ✓
49+75 ~ 52+00 Lt ✓

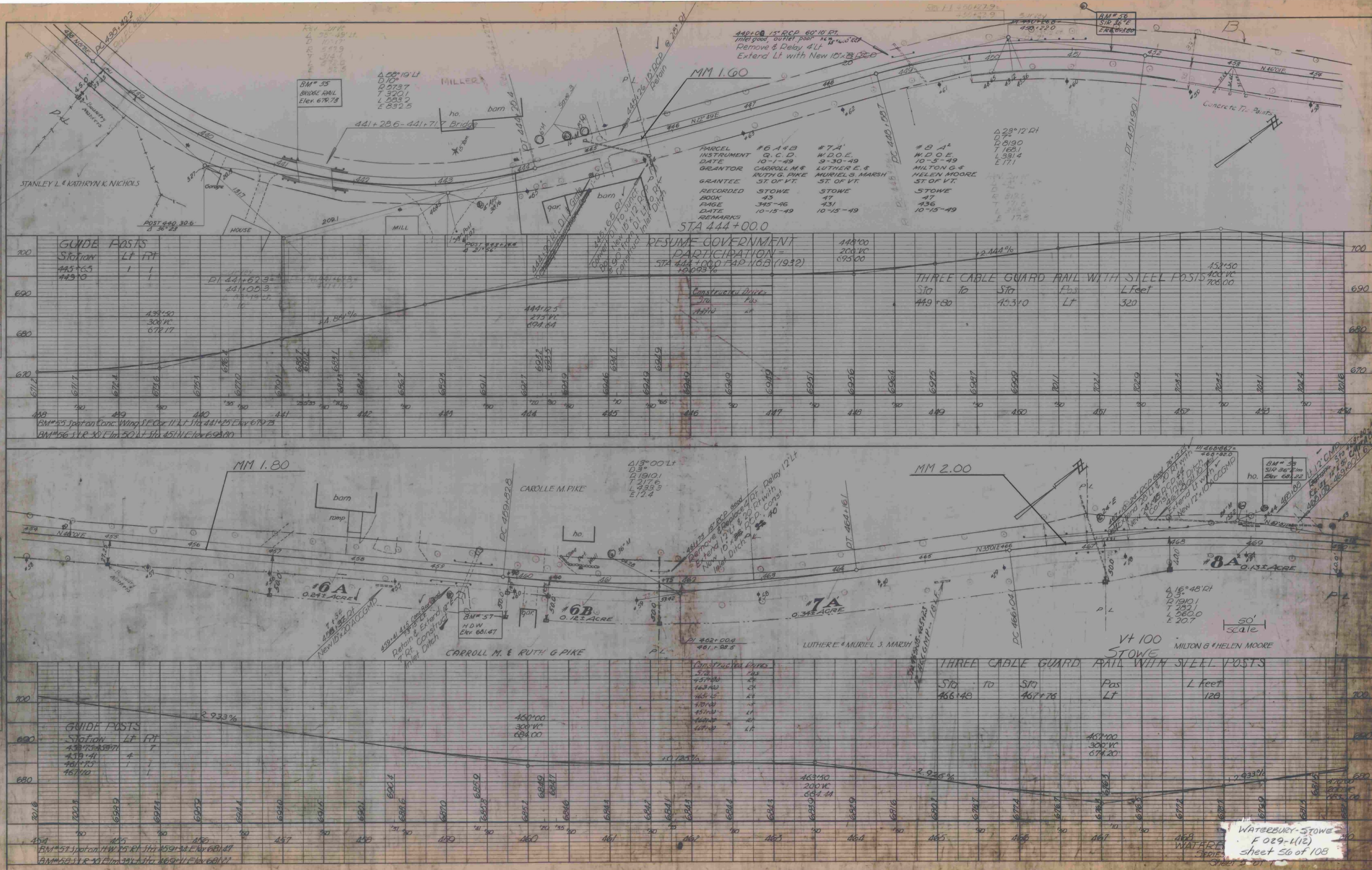
NOTE: Pavement Marking is to be accomplished by State Forces after Project is completed

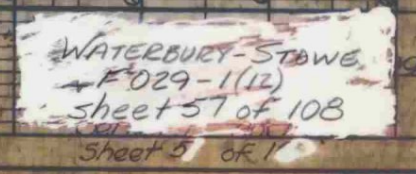
BCT for Guard Rail, Std. Steel Beam
Lt. Rt.
49+50 ~ 49+75 48+75 ~ 49+00
52+00 ~ 52+25 51+25 ~ 51+50

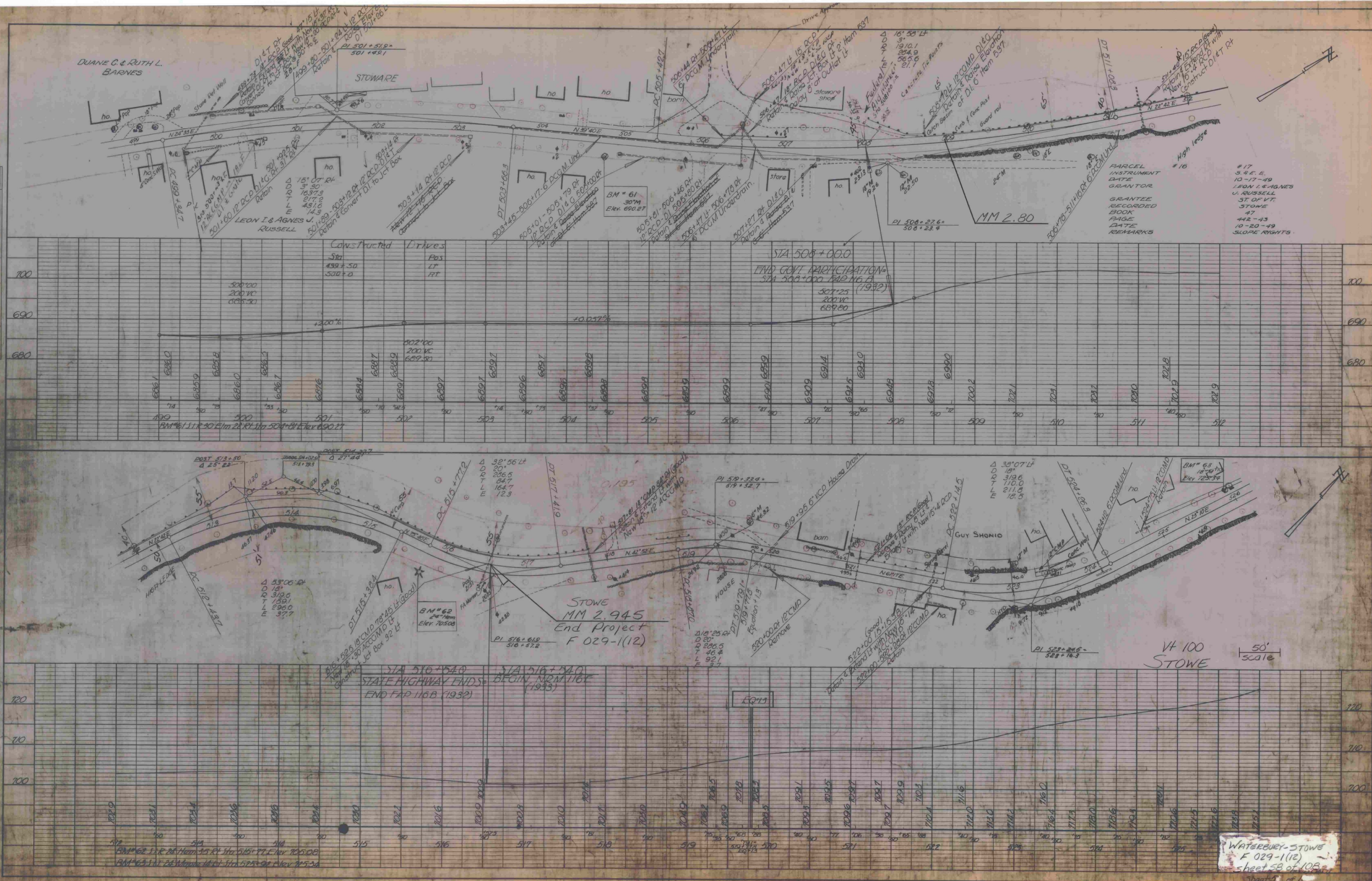


PLAN
SHEET NO. 50 OF 108
NOTE: BOOK ALIGNMENT CHANGED
NO. OF WAY CHANGED

PROFILE
SHEET NO. 50 OF 108
NOTE: BOOK ALIGNMENT CHANGED
NO. OF WAY CHANGED







PARCEL	INSTRUMENT	DATE	GRANTOR	GRANTEE	RECORDED	REMARKS
A, B	W.D.O.E.	1-27-61	C.J. & BERTHA GUYETTE	ST OF VT	BOOK 48 PAGE 296-78 DATE 1-30-61	

STATE OF VERMONT
FUNDING YEAR 1941
117-110 1941 10 112

C.J. Guyette
pasture

MORRISTOWN
MM 3.095
Begin Project
F030-2(10)

Sta 607+00 to 608+50 Lt
Cut slope—sand + silt
TO BE TOPSOILED + SEEDING

PI 604+32.7
604+32.4

604+40 Lt
Const Road Approach

water pipe
Shed

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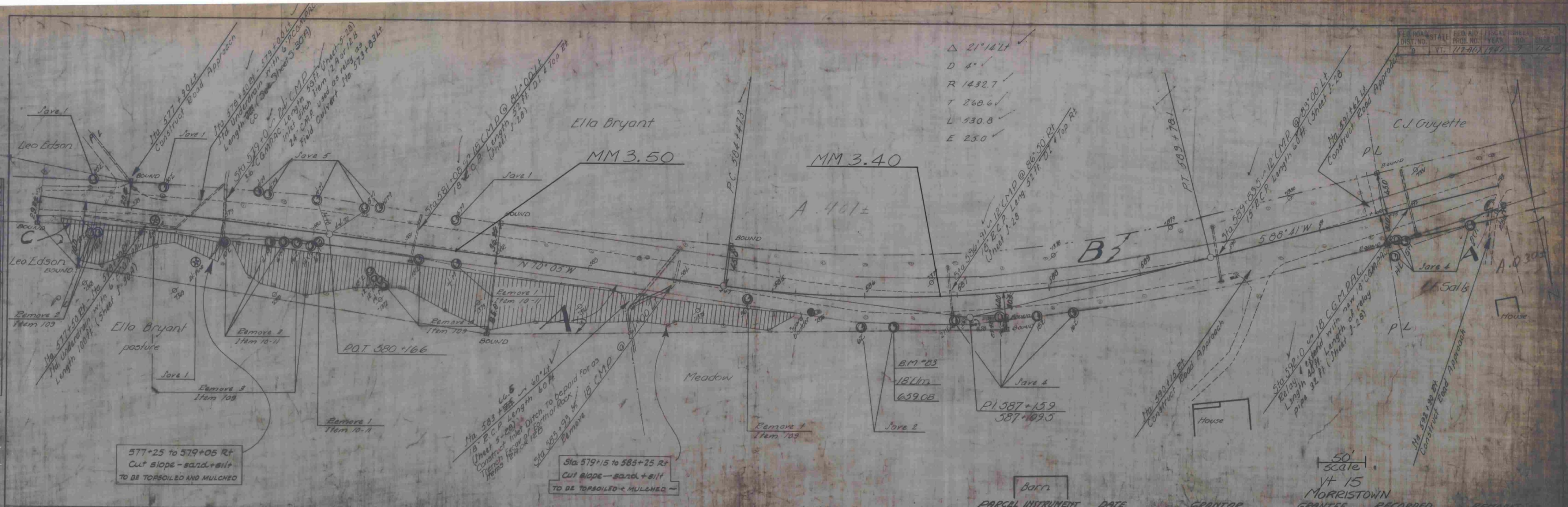
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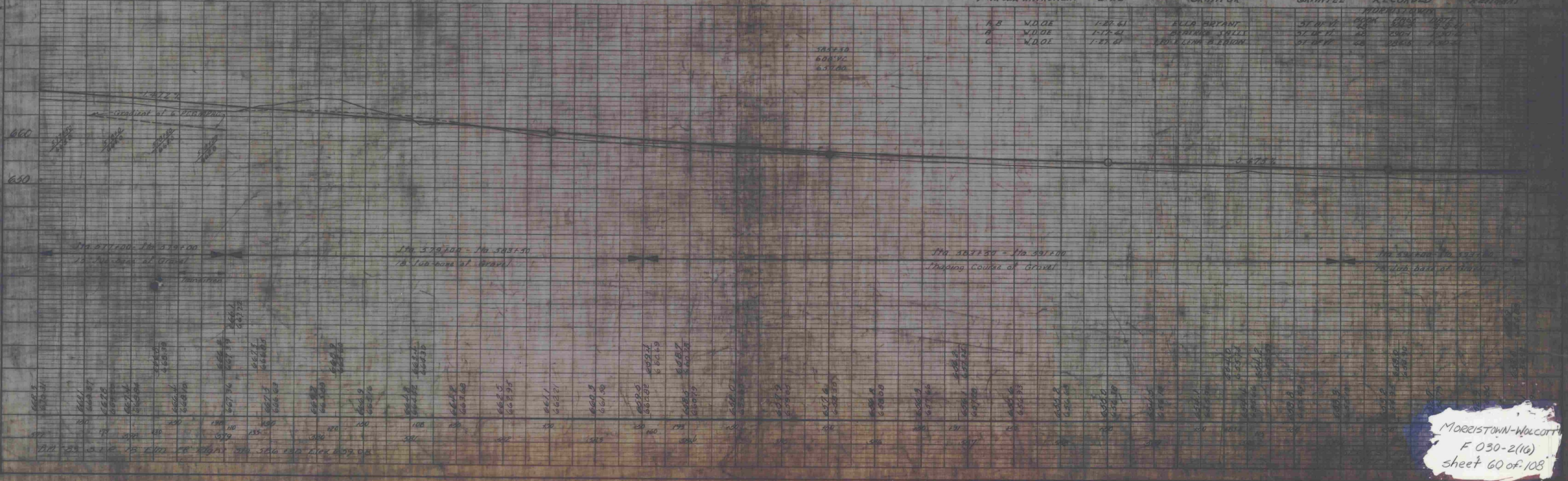
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PLAN
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PARCEL	INSTRUMENT	DATE	GRANTOR	GRANTEE	RECORDED	REMARKS
A	W.D. 02	1-27-61	ELLA BRYANT	ST. H. H.	60	1961
B	W.D. 02	1-27-61	ELLA BRYANT	ST. H. H.	60	1961
C	W.D. 01	1-27-61	ELLA BRYANT	ST. H. H.	60	1961



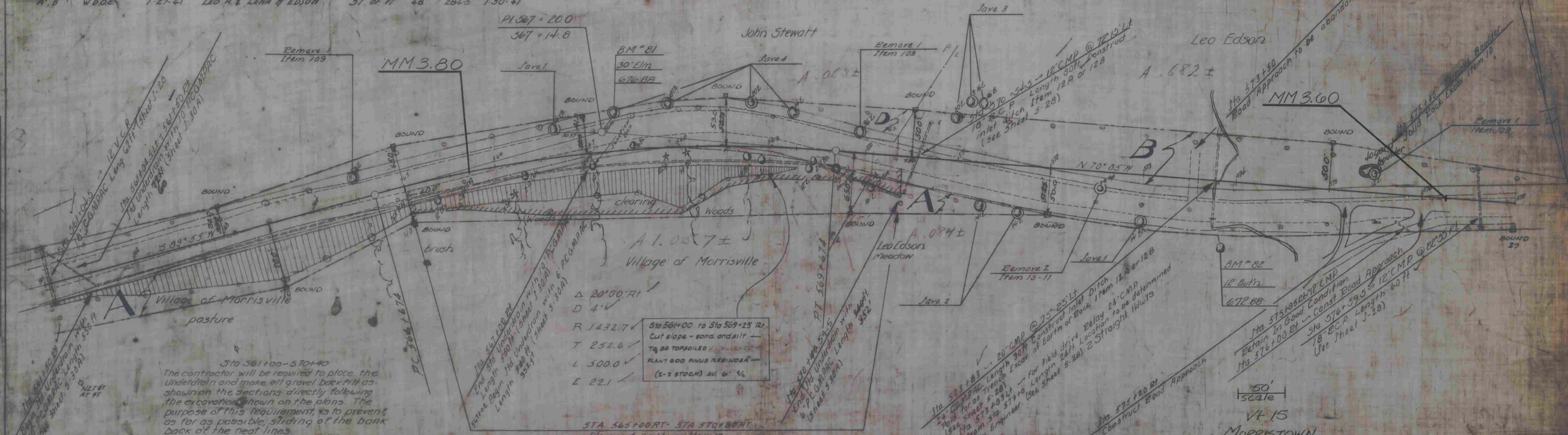
MORRISTOWN-WOLCOTT
 F 030-2(16)
 sheet 60 of 108

PARCEL	INSTRUMENT	DATE	GRANTOR	GRANTEE	RECORDED	REMARKS
D	W.D.O.E.	2-7-41	JOHN STEWART	ST. OF IT	BOOK 215	DATE 2-15-41
A	W.D.	11-26-40	VILLAGE OF MORRISTOWN	ST. OF IT	47	215 1-30-41
A, B	W.D.O.E.	1-27-41	LEO R. & LENA G. EDSON	ST. OF IT	48	284-5 1-30-41

STA 567+00 LT - STA 569+50
Shoulder on left widened See Cross Sections
Sheets 48 of 112 Sheets

PROFESSIONAL RECORD SHEET
DIST. NO. 117-4(1) 1941

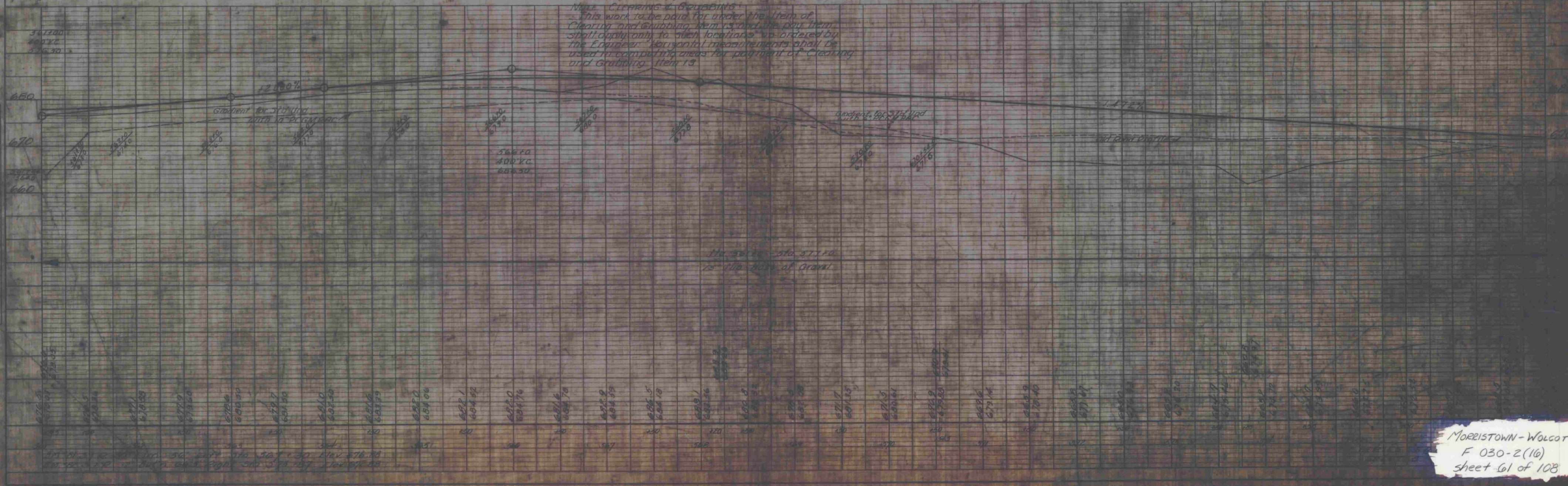
PLAN	SECTION	DETAIL	AS SHOWN
1	2	3	4



Sta 561+00 - 570+40
The contractor will be required to place the underdrain and make all gravel backfill as shown on the sections directly following the excavation shown on the plans. The purpose of this requirement, is to prevent as far as possible, sliding of the bank back of the neat lines.

Sta 561+00 to Sta 569+25 Rt.
Cut slope - sand and silt
TA 88 TOPSOILED
PLANT 600 PINUS RESINOSA
(2-2 STOCK) AT 6' VC

STA 565+00 RT - STA 570+50 RT
Clearing & Grubbing Item 13
Note: Clearing & Grubbing Item 13
This work to be paid for under the item of Clearing and Grubbing Item 13 and the pay item shall apply only to such locations as ordered by the Engineer. Horizontal measurements shall be used in computing areas for payment of Clearing and Grubbing Item 13.



PARCEL INSTRUMENT DATE GRANTOR GRANTEE RECORDED REMARKS
 B.C. V.D.O.E. 2-7-41 JOHN STEWART ST. OF VT. BOOK PAGE DATE
 43 3-10-43 2-15-41

John Stewart

Tillage

Meadow

Pasture

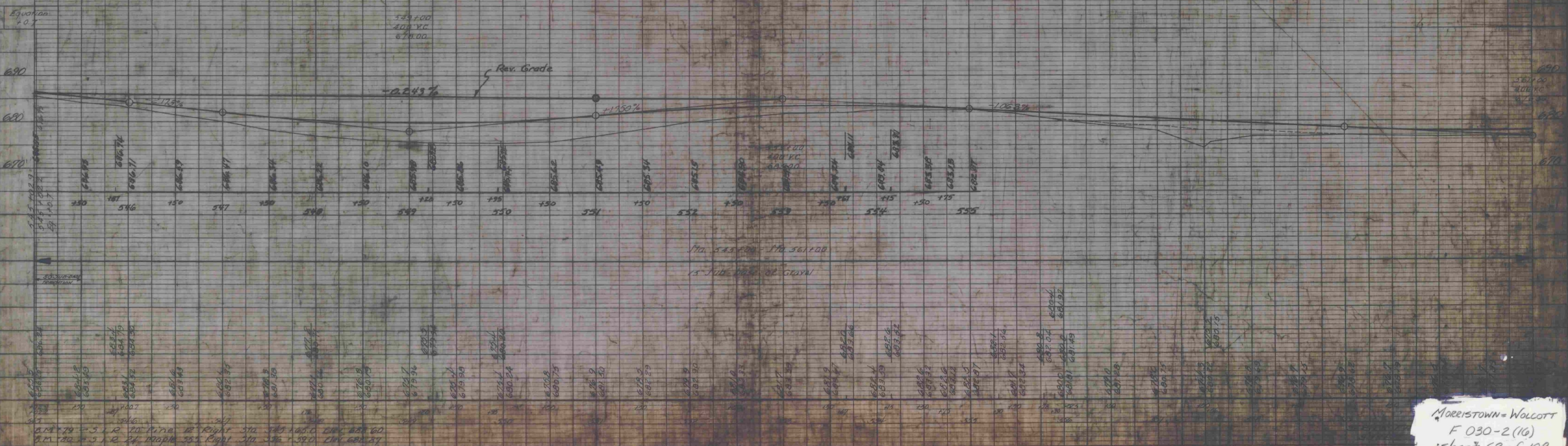
John Stewart

John Stewart

Village of Morrisville
Pasture

VT 15
MORRISTOWN

Note: Main Water Supply from the reservoir to the Village of Morrisville passes in a pipe under the highway somewhere near Sta 558+00. It is estimated that this pipe is approximately 4 ft. to 6 ft. under the surface, but the exact location and depth are not accurately known. This matter is called to the contractor's attention as he will be held liable for any damage done to the water pipe occasioned by the construction.



PLAN	SECTION	DETAIL	REMARKS
1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24
25	26	27	28
29	30	31	32
33	34	35	36
37	38	39	40
41	42	43	44
45	46	47	48
49	50	51	52
53	54	55	56
57	58	59	60
61	62	63	64
65	66	67	68
69	70	71	72
73	74	75	76
77	78	79	80
81	82	83	84
85	86	87	88
89	90	91	92
93	94	95	96
97	98	99	100

STA. 535 + 79.0 STA. 535 + 79.0
END F.A.P. 84A(2) BEGIN F.A.P. 117A(1)

Δ 31° 13' 01" LT
D 0°
R 716.8
T 200.2 195.9
L 390.2 387.7
E 274

Sta 535 + 79 - Sta 544 + 02t
It is the intent of the plans to save as many trees as possible on the left. Trees to be cut as directed by the Engineer and to be paid in bid item 10 & 11 or item 109.

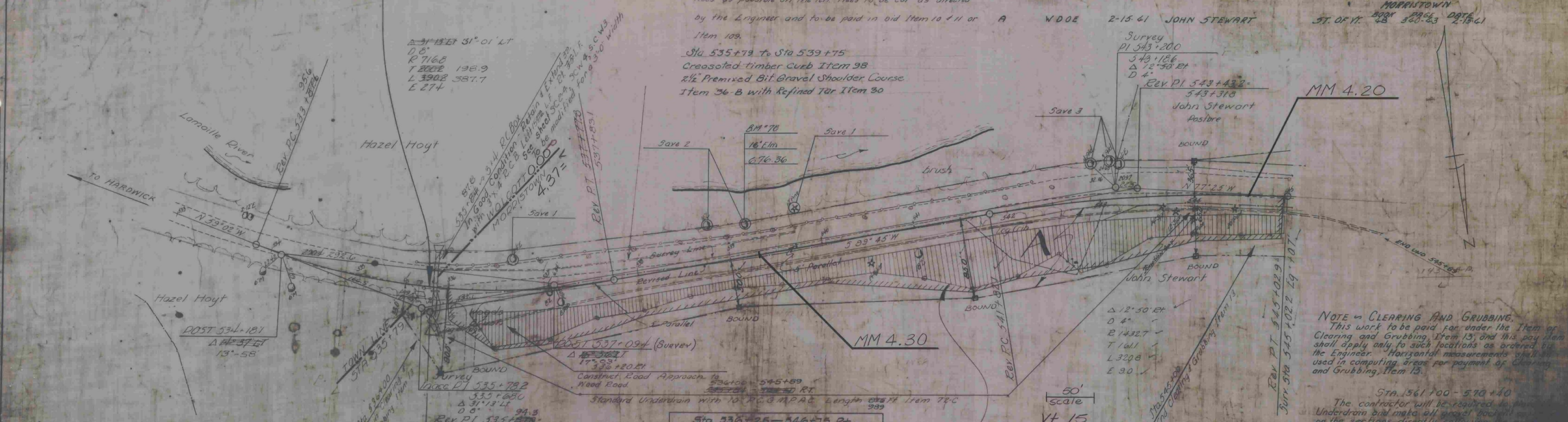
Sta 535 + 79 to Sta 539 + 75
Creosoted timber curb Item 98
2 1/2" Premixed Bit Gravel Shoulder Course
Item 36-B with Refined Tar Item 30

PARCEL	INSTRUMENT	DATE	GRANTOR	GRANTEE	RECORDED	REMARKS
A	W D O E	2-15-61	JOHN STEWART	ST. OF VT.	BOOK 363 PAGE 215-61	

Survey
PI 543 + 200
543 + 186
Δ 12° 30' RT
D 4°

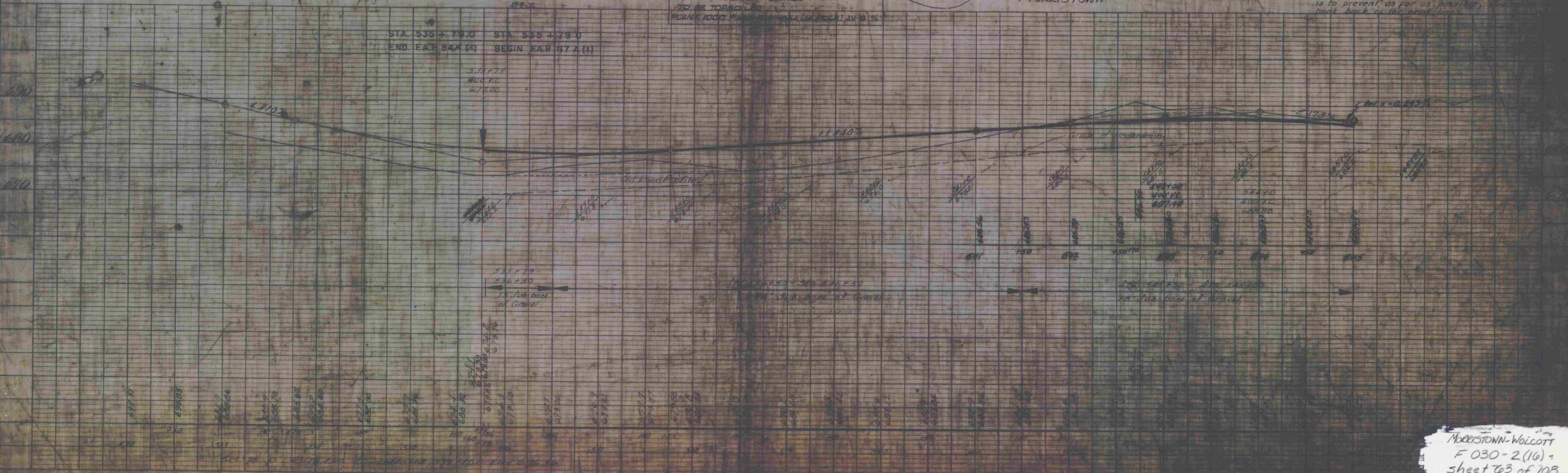
REV PI 543 + 432 - 543 + 318
John Stewart
Pasture

MM 4.20



STA. 535 + 79.0 STA. 535 + 79.0
END F.A.P. 84A(2) BEGIN F.A.P. 117A(1)

335.73
800.71
674.00



NOTE - CLEARING AND GRUBBING
This work to be paid for under the Item of Clearing and Grubbing, Item 13, and this pay item shall apply only to such locations as ordered by the Engineer. Horizontal measurements shall be used in computing areas for payment of Clearing and Grubbing, Item 13.

STA. 536 + 100 - 536 + 40
The contractor will be required to Underdrain and make all gravel back on the sections directly showing the is to prevent, as far as possible, sliding back back of the road lines.

526+00 to 535+70
It is the intent of the plans to save as many trees as possible on the left trees to be cut as directed by the Engineer and to be paid for under bid item 101 and item 109

PARCEL INSTRUMENT	DATE	GRANTOR	GRANTEE	RECORDED	REMARKS
A. J.	W.D.B.	4-11-41	J.C. HOYT, H.K. HOYT & ETHEL TOWNE	ST. OF VT. BOOK 3012 PAGE 13-14	

Sta 532+00 to Sta 535+70
Crested Timber Curb, Item 78
2 1/2' Primed Bit Gravel Shoulder Course
Item 300 with Refined Tar Item 30

B.M. #78
16' ELM
Elev. 676.36

531+00 L
D 8' 31'-01"
D 8' 08"
L 716.8
T 198.9
L 390.2 L 387.7
L 274

MMO.10

B.M. #77
12' ELM
Elev. 688.31

INAC PI 529+37.1
529+26.0

PO ST 527+53.6
Δ 10' 62.87

POST 530+23.7
Δ 20' 00.87

531+00 LT
Begin Stone Fill Item 69

Remove Item 102
End Stone Fill Item 69

Ethel A. Towne Montpelier
Stewart Hoyt
Hazel Hoyt

535+00 = 314' RC Box
WOLCOTT
MORRISTOWN 4.37'

5 ft Parallel

John Stewart
Morrisonville

POST 537+03.6
Δ 16' 36.47
17'-03"

535+94.3
INAC PI 535+78.2
535+68.0
ELEV 677.84
535+77.6

Sta 535+79.0
End L.P. 25.12

Sta 535+79.0
BEGIN FAD 17.11

50' scale
Vt. 15

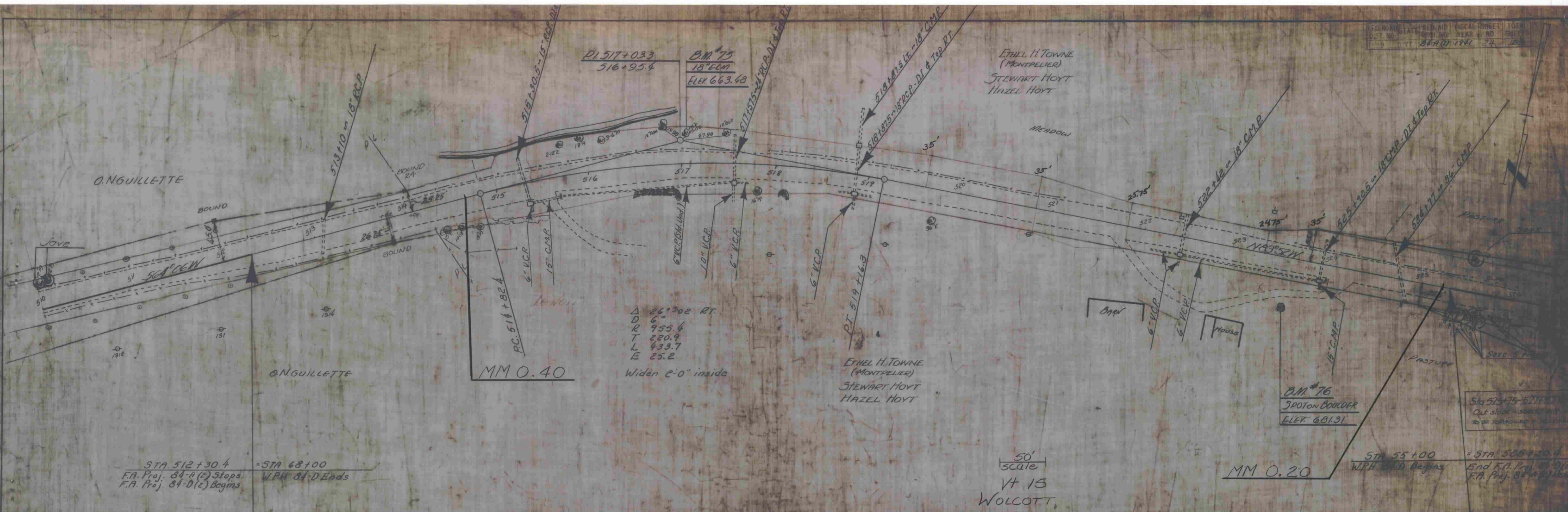
Note: Clearing & Grubbing
This work shall be paid for under bid item 101 and item 109
apply only to such locations as shown on the plans
Horizontal measurements shall be in computing areas for payment in clearing & grubbing

Sta 527+30 ~ 533+50 RL
cut slope - sand + silt
to be torched & mulched

Sta 525+15 ~ 527+10 RL
cut slope - sand + silt
to be torched & mulched

526+00 ~ 535+70
15' Sub Base of Gravel

PLAN
 1. ALL CHANGES TO BE MADE BY THE ENGINEER.
 2. ALL CHANGES TO BE MADE BY THE ENGINEER.
 3. ALL CHANGES TO BE MADE BY THE ENGINEER.



PARCEL INSTRUMENT DATE GRANTOR GRANTEE RECORDED REMARK
 A.D.C. W.D.O.E. 2-27-41 O.N. & L.E.A. GUILLETTE ST OF 1/2 BOOK 24755 DATE 12-1-41
 WOLCOTT

CONC. SLAB
 20'-0" CLEAR SPAN
 18'-0" CLEAR HEIGHT
 20'-0" ROADWAY
 23'-0" OVERALL
 WATERWAY 200 SQ. FT.
 SHEETS 34, 35, 36 OF 169

FEDERAL ROAD DISTRICT NO. 1
 84-8(2) 1941 23 169

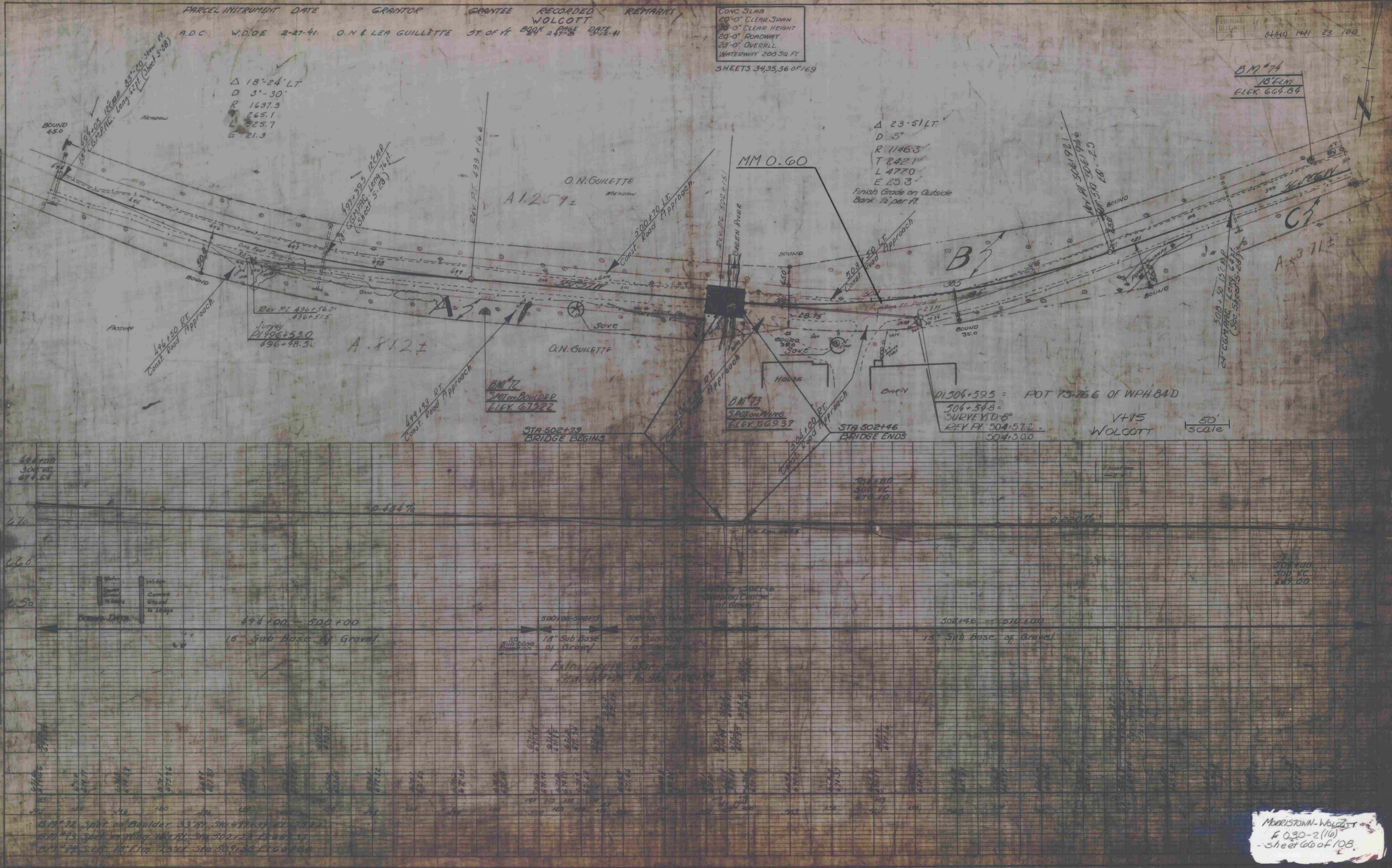
$\Delta 18^{\circ}24'LT$
 $D 3^{\circ}-30'$
 $R 1637.3$
 $T 265.1$
 $L 525.7$
 $E 21.3$

$\Delta 23^{\circ}51'LT$
 $D 5^{\circ}$
 $R 1146.3$
 $T 242.1$
 $L 477.0$
 $E 25.3$
 Finish Grade on Outside Bank 1/2 per ft.

B.M. #74
 18' ELM
 ELEV. 669.84

PLAN	DATE	BY	CHECKED
DESIGNED	12-1-41	W.D.O.E.	
DRAWN	12-1-41	W.D.O.E.	
CHECKED	12-1-41	W.D.O.E.	
APPROVED	12-1-41	W.D.O.E.	

PLAN	DATE	BY	CHECKED
DESIGNED	12-1-41	W.D.O.E.	
DRAWN	12-1-41	W.D.O.E.	
CHECKED	12-1-41	W.D.O.E.	
APPROVED	12-1-41	W.D.O.E.	

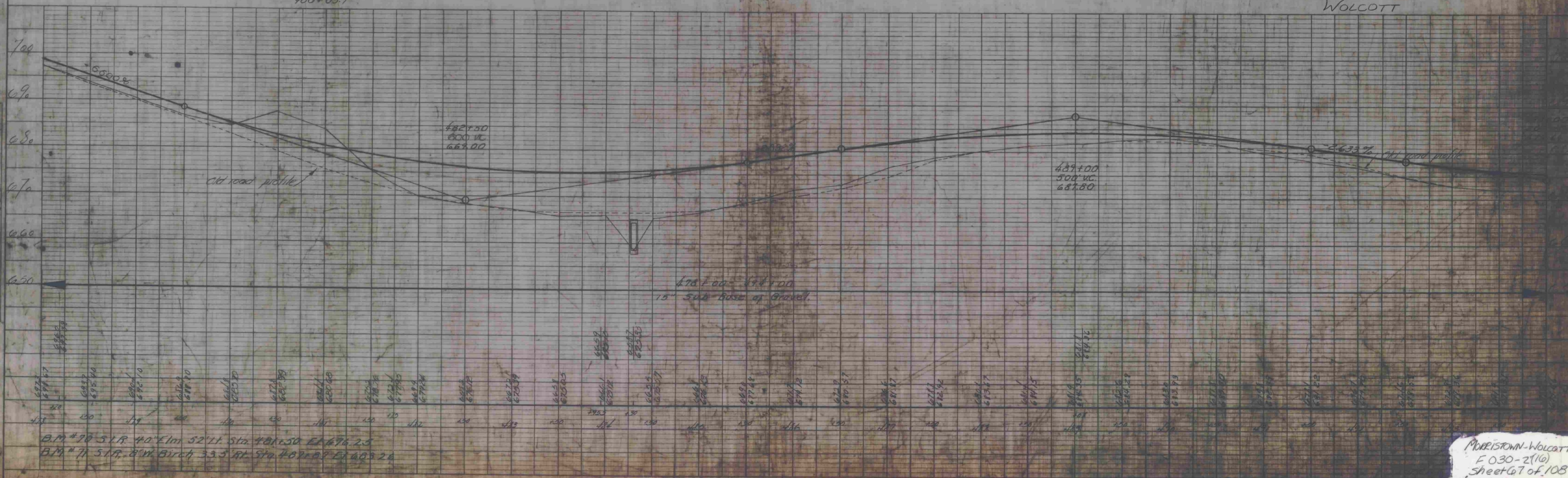
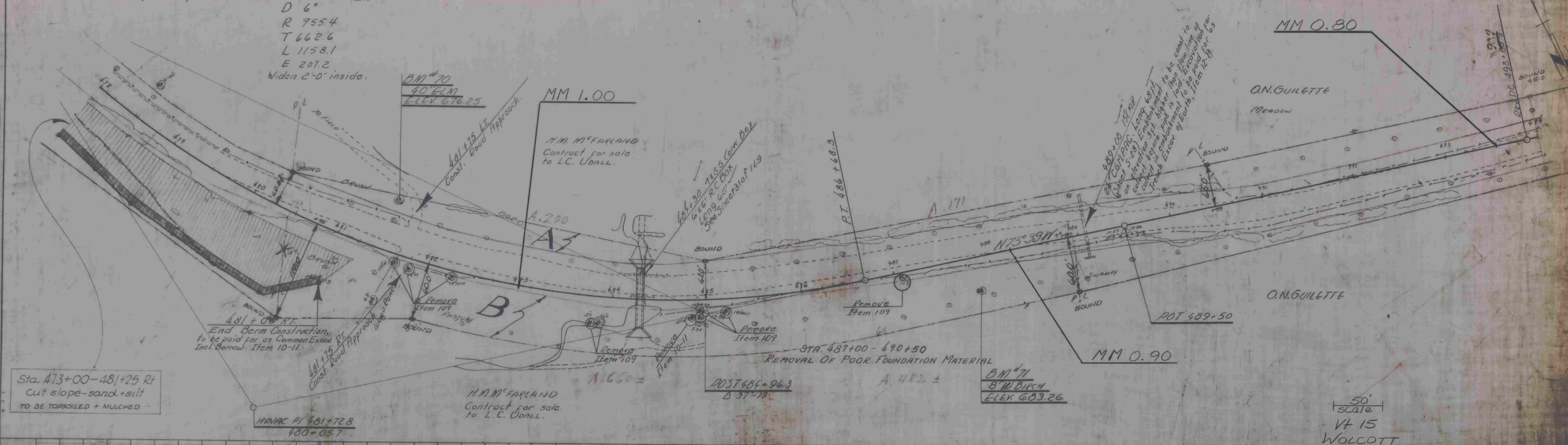


MORRISTOWN-WOLCOTT
 E 030-2(10)
 - Sheet 60 of 108

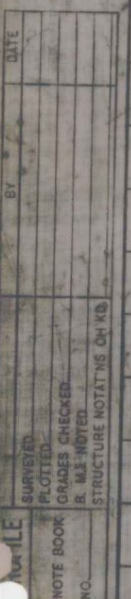
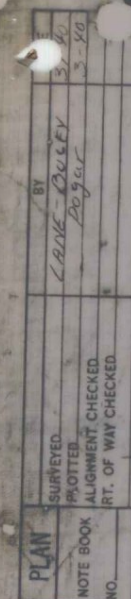
Δ 69°-29' LT
 D 6°
 R 755.4
 T 662.6
 L 1158.1
 E 207.2
 Widen 2'-0" inside.

PARCEL	INSTRUMENT	DATE	GRANTOR	GRANTEE	RECORDED	REMARKS
A.B	W.D.O.E	4-3-41	H.M. McFARLAND	ST OF VT	BOOK 27 PAGE 318-9	DATE 4-28-41

FED. AD.	PROJ. NO.	
DIST. NO.	81A(2)	1971 22 165



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEET
9	VT.	84-P(2)	1981	21	169



BRISTOWN-WOLCOTT
F030-2(16)
sheet 68 of 108

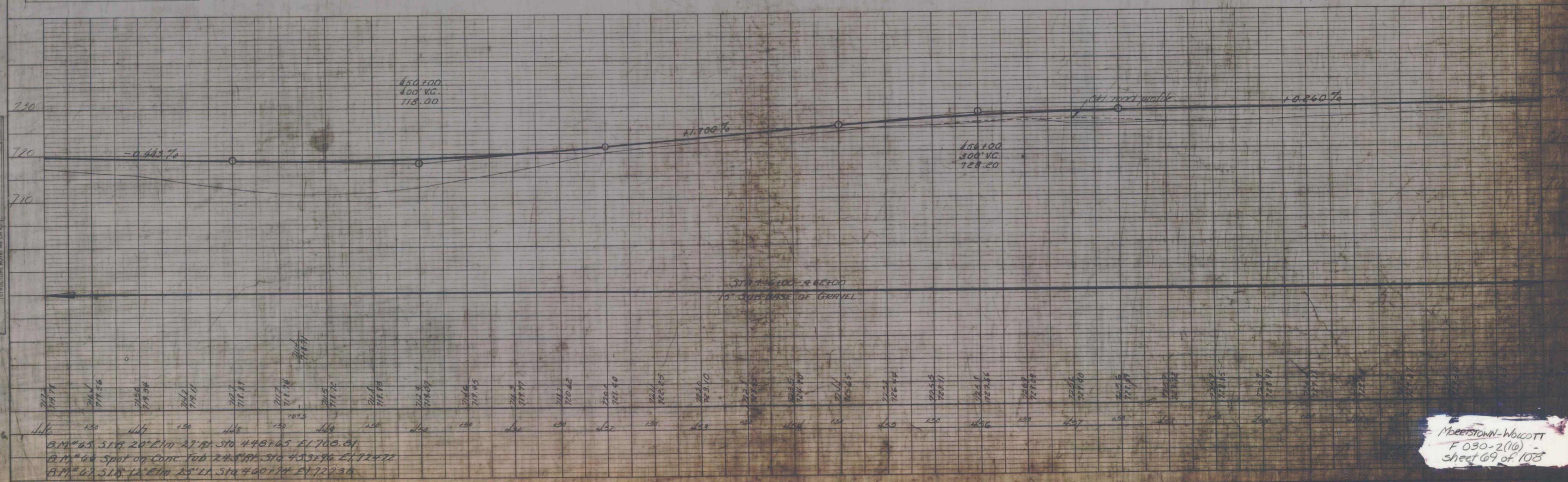
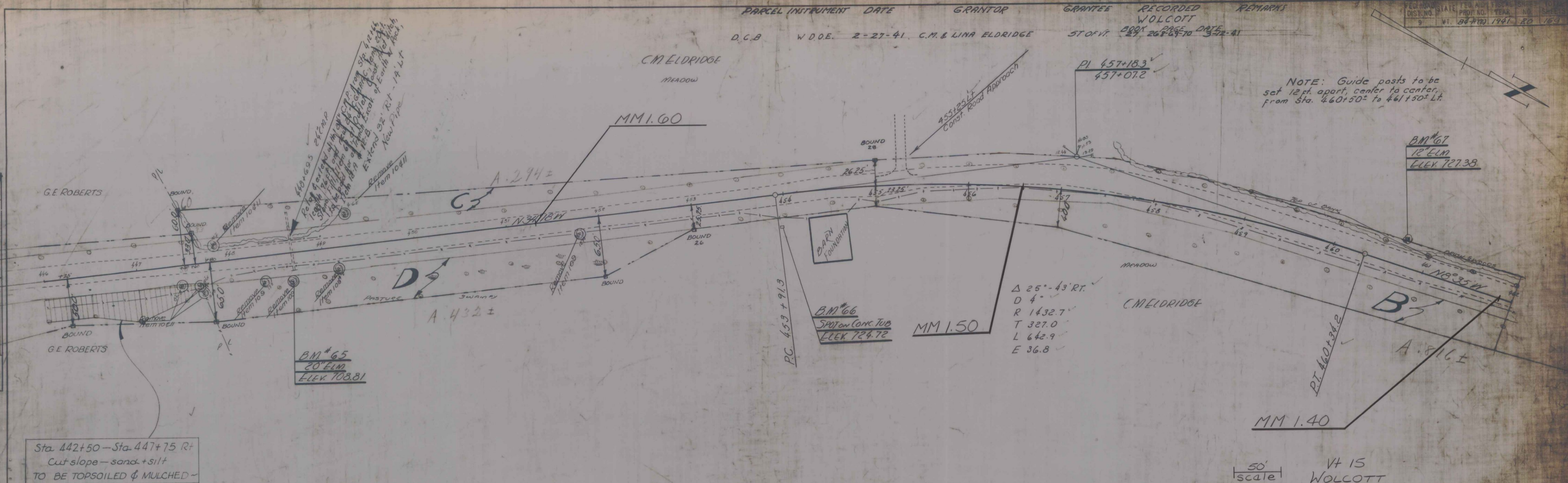
DATE 3-27-41
BY C. E. Roberts
PLN
CHECKED
NOTE: BOOK NO. OF MAP CHECKED
NO.

FILE
DATE 3-27-41
BY C. E. Roberts
PLN
CHECKED
NOTE: BOOK NO. OF MAP CHECKED
NO.

PARCEL INSTRUMENT DATE GRANTOR GRANTEE RECORDED
D.C.B. W.D.E. 2-27-41 C.M. & LINA ELDREDGE STOFV. 289X PAGE 20 DATE 3-27-41

SECTION STATE TOWN LOT SHEET
9 VT. 60-100 1941 20 163

NOTE: Guide posts to be set 12 ft. apart, center to center, from Sta. 460+50 to 461+50 L.R.



MOORESTOWN-WOLCOTT
F 030-2(10)
Sheet 69 of 103

PARCEL INSTRUMENT DATE GRANTOR GRANTEE RECORDED
 A.B.C. V.D.O.E. 2-27-41 G.E.L.M.V. ROBERTS ST OF VT BOOK PAGE DATE
 27 323-336 4-28-41

RECORD STATE FISCAL YEAR SHEET NO. TOTAL SHEETS
 8 1442 1941 19 169

Sta 420+50 - 422+25 Lt
 cut slope - sand + silt
 TO BE TOPSOILED & SEED -

BM*63
 361.1m
 11729.64

POT 421+34.8

G.E. ROBERTS
 Cult Land

MM 1.80

SIDE ROAD
 P.I. 441+00
 Δ 76° 15' Rt

REV P.I. 440+71.9
 SURV POST 440+71.3

G.E. ROBERTS
 meadow

G.E. ROBERTS
 Pasture

Sta 442+50 - 447+75 Rt
 cut slope - sand + silt
 TO BE TOPSOILED + MULCHED

50' scale
 Vt 15
 WOLCOTT

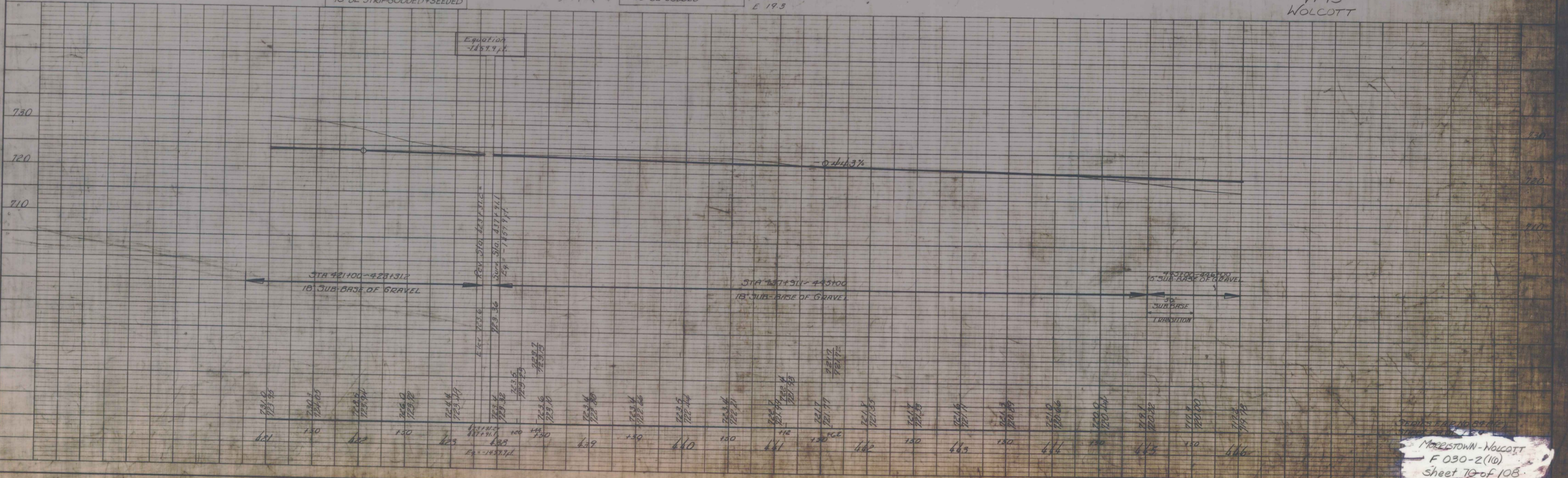
Sta 438+32 Water Pipe Sleeve is to be placed across the road at a location and elevation satisfactory to the property owner by the Contractor; the pipe to be furnished by the property owner. The necessary excavation is to be paid for under the bid item of Trench Excavation of Earth or Rock Item 12A or 12B

Sta 419+25 - 438+00 Rt
 cut slope - sand + silt
 TO BE STRIPSODDED + SEED

Sta 439+39 - 440+90 Rt
 cut slope - sand + silt
 TO BE STRIPSODDED, SEED

Sta 438+30 - 439+39 Rt
 cut slope - sand + silt
 TO BE SODDED -

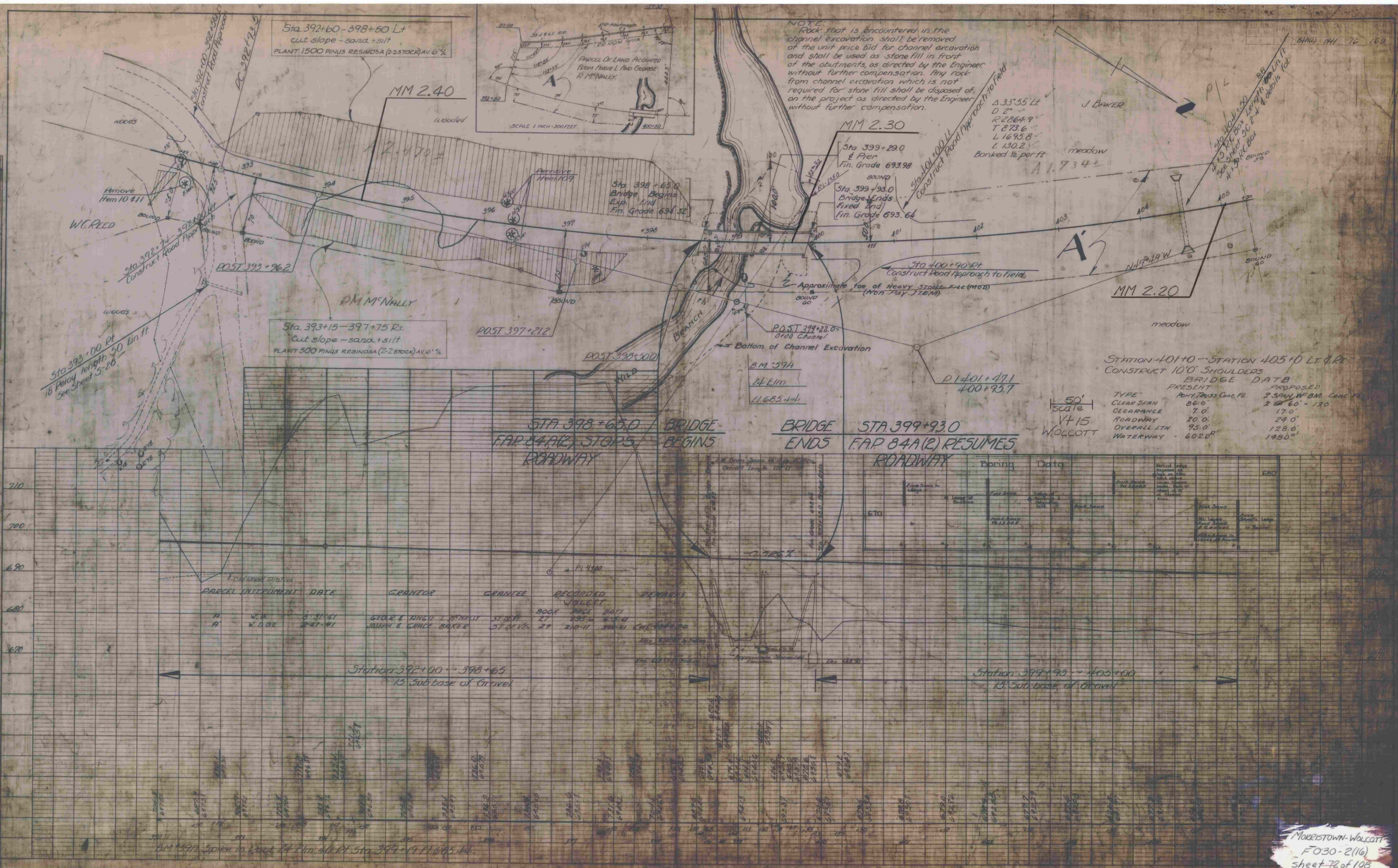
Equation
 -1459.9 ft



RECORD STATE FISCAL YEAR SHEET NO. TOTAL SHEETS
 8 1442 1941 19 169

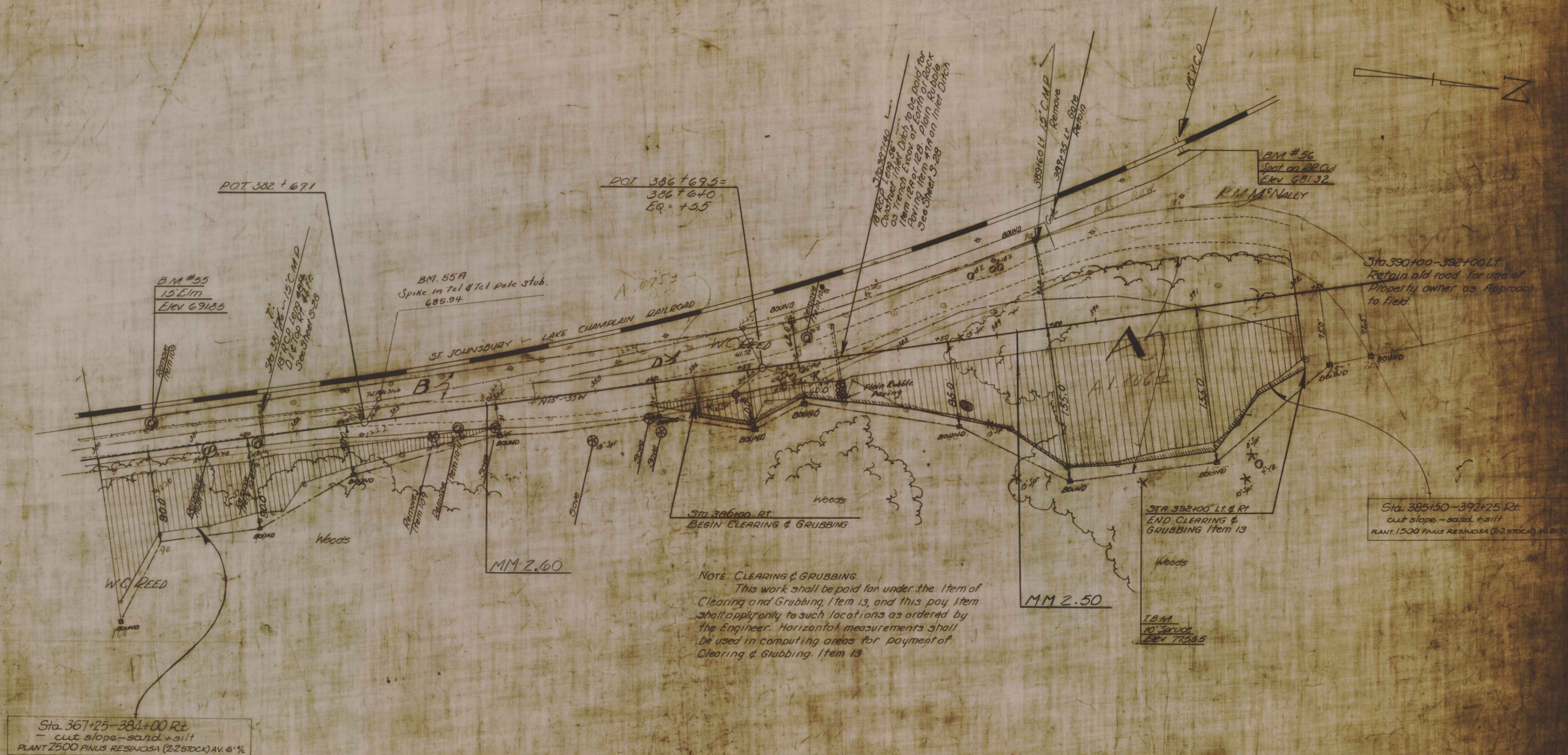
PLAN
 DATE
 DRAWN BY
 CHECKED BY
 NO.

PROFILE
 DATE
 DRAWN BY
 CHECKED BY
 NO.



PARCEL	INSTRUMENT	DATE	GRANTOR	GRANTEE	RECORDED
A-D	WDOE	4-7-41	W.C.E.F.N. REED	ST OF VT	BOOK PAGE DATE
B	COND	11-21-40	ST J & L C R R	ST OF VT	27 341-25 4-26-41
					27 151-7 11-22-40

100' = 1" SCALE
 14-16-9

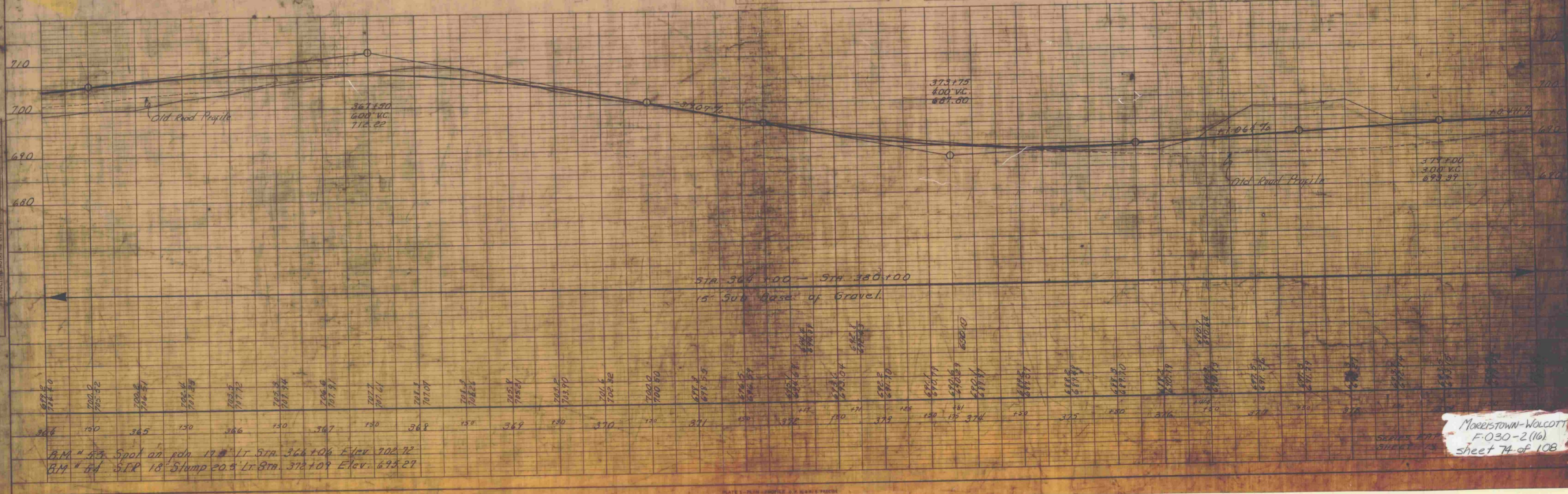
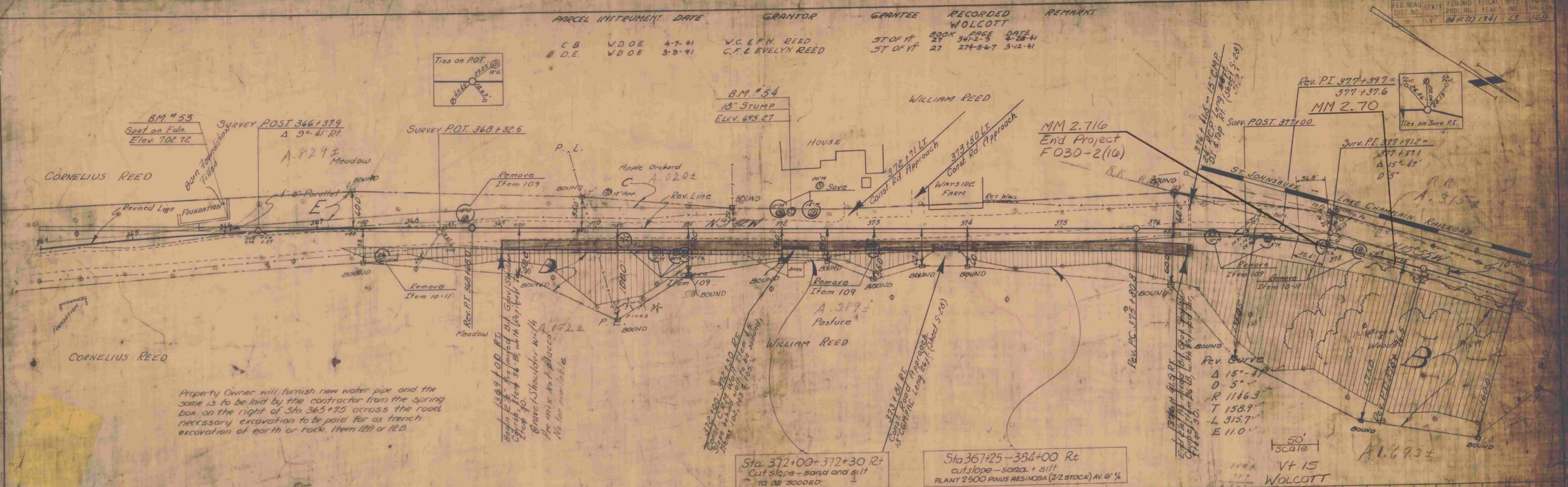


PARCEL	INSTRUMENT	DATE	GRANTOR	GRANTEE	RECORDED	REMARKS
C.B.	W.D.O.E.	4-7-41	W.C. & F.N. REED	ST OF VT	BOOK 34-2-5	DATE 4-28-41
D.E.	W.D.O.E.	3-2-41	C.F. & EVELYN REED	ST OF VT	27 274-56-7	3-12-41

FED. ROAD STATE	PROJ. NO.	YEAR	SHEET NO.	TOTAL SHEETS
VT	84-4 (2)	1941	13	169

PLAN	DATE	BY	CHECKED	NOTED	REVISION
1	7-20	W.C. REED	W.C. REED	W.C. REED	

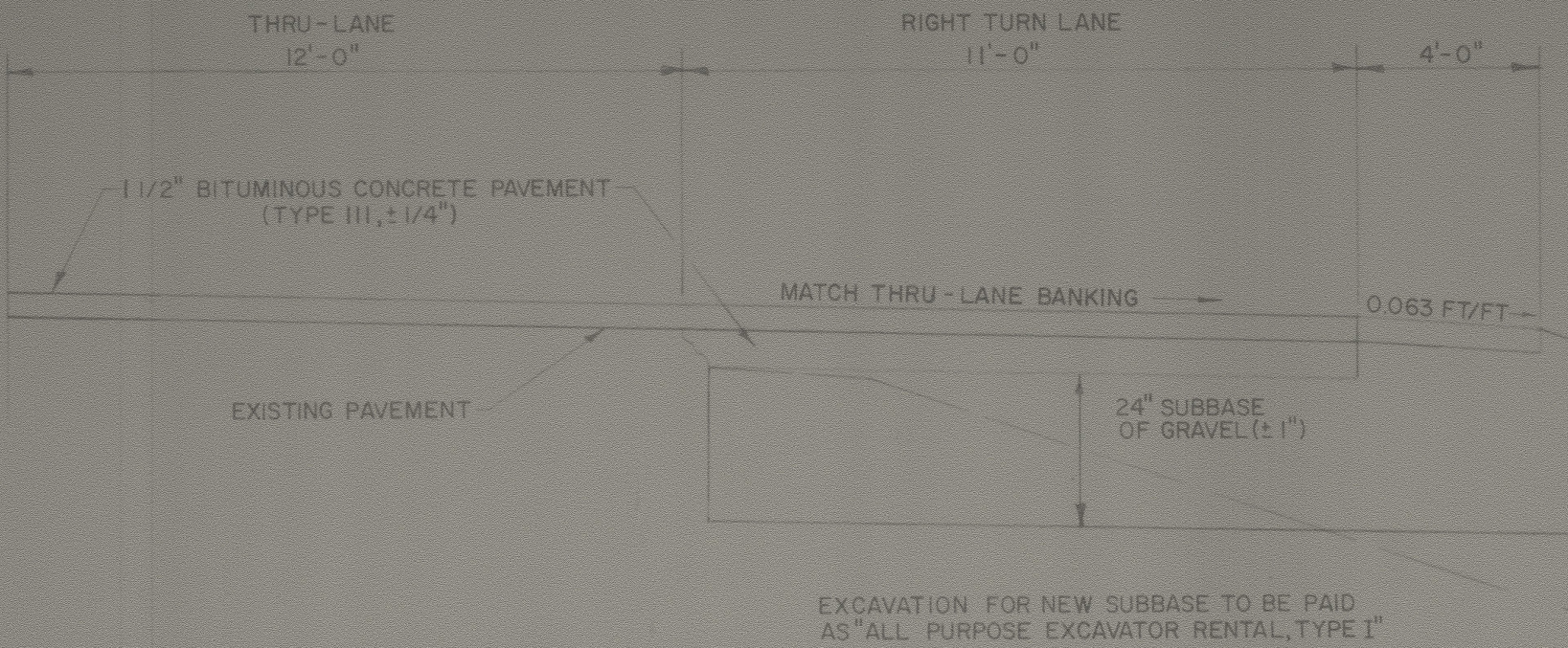
PROFILE	DATE	BY	CHECKED	NOTED	REVISION
1	7-20	W.C. REED	W.C. REED	W.C. REED	



MORRISTOWN-WOLCOTT
 F-030-2(16)
 sheet 74 of 108

RIGHT TURN LANE AT WATERBURY M.M. 1.64

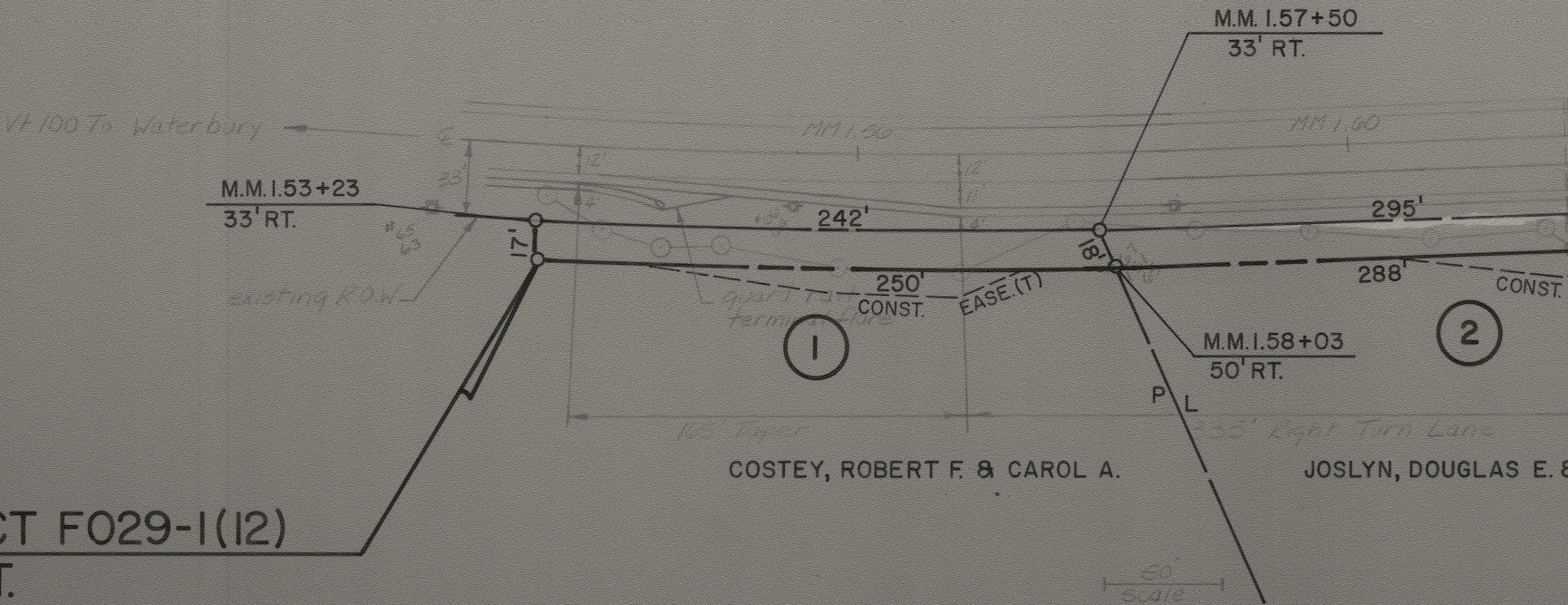
TYPICAL SECTION



PARCEL NO.	GRANTOR	BEGIN. STA.	END. STA.	TAKING	REM.	RIGHTS	TITLE	DATE	TOWN OR CITY RECORDED	BK	PG	REMARKS
1	COSTEY, ROBERT F. & CAROL A.	M.M. 1.53+23 RT. M.M. 1.54+17 RT.	M.M. 1.58+03 RT. M.M. 1.57+16 RT.	0.10 A±		CONST. EASE. (T) 0.02 A±	WD		WATERBURY			1070 S.F.±
2	JOSLYN, DOUGLAS E. & ELEANOR F.	M.M. 1.57+50 RT. M.M. 1.60+23 RT.	M.M. 1.63+27 RT. M.M. 1.62+25 RT.	0.10 A±		CONST. EASE. (T) 0.01 A±	WD		WATERBURY			540 S.F.±

R.O.W. PLANS

LENGTH OF R.O.W. PROJECT 538.0 FEET = 0.102 MILES



BEGIN R.O.W. PROJECT F029-1(I2)
M.M. 1.53+23 50' RT.

DATUM
VERTICAL _____
HORIZONTAL _____

WATERBURY
PROJECT F029-1
SHEET 1