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STATE OF VERMONT AGENCY OF TRANSPORTATION

Date APR 2 1985

Everett T. Wallace, Inc.

Contractor

Everett T. Wallace

Signature

President

Title

Susan C. Clapper

Transportation Secretary's

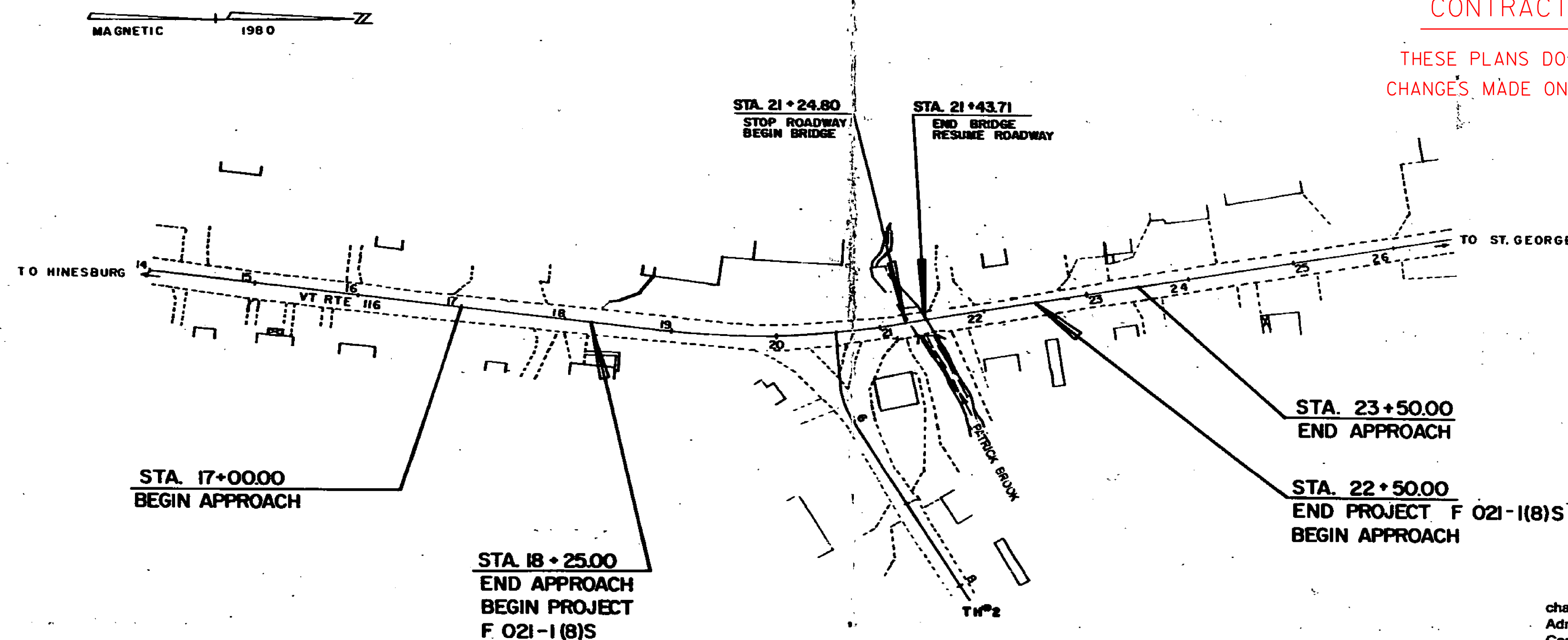
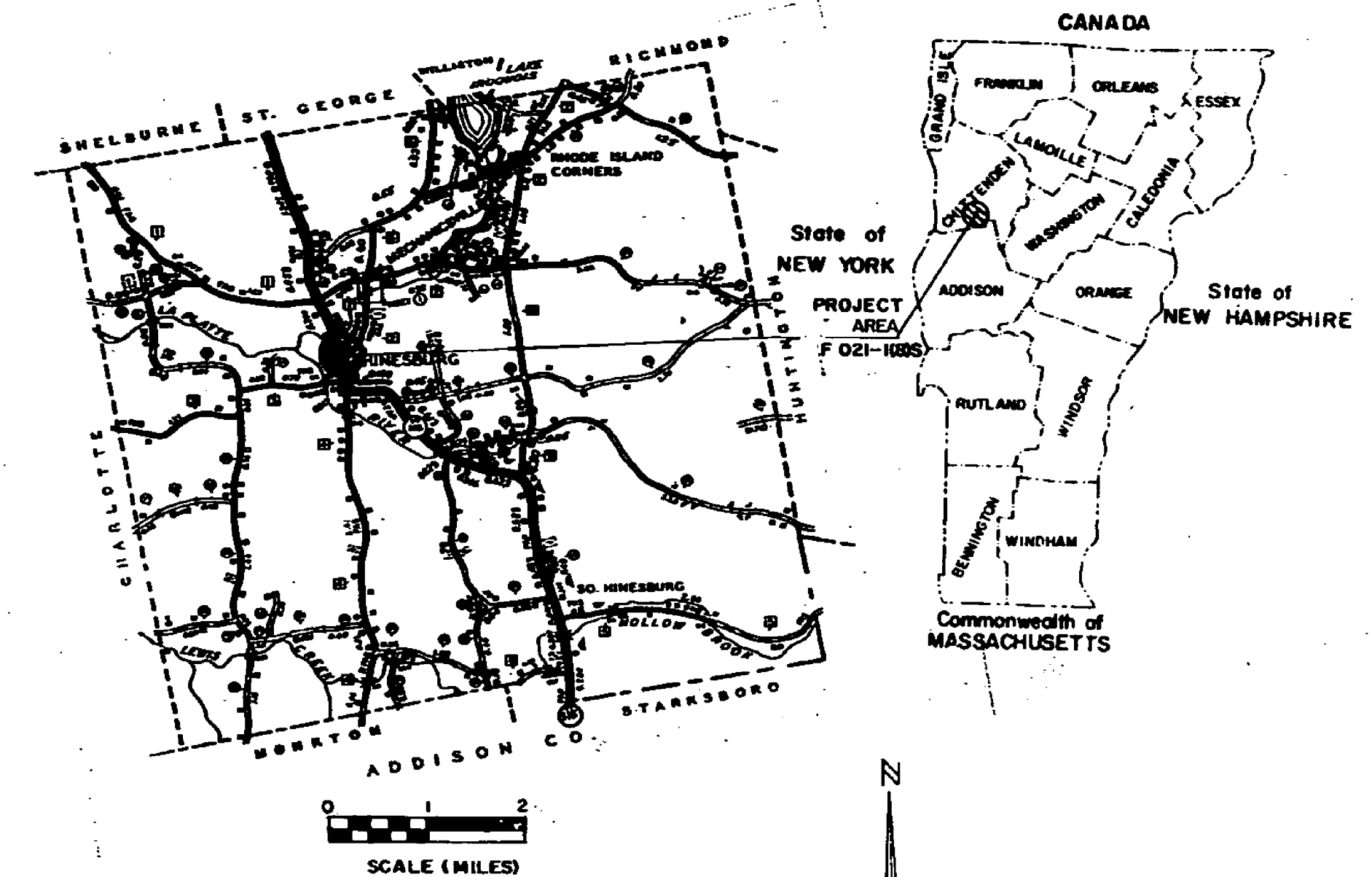
Signature



PROPOSED IMPROVEMENT TOWN OF HINESBURG COUNTY OF CHITTENDEN VERMONT ROUTE 116 (FAP)

IN THE TOWN OF HINESBURG, BEGINNING AT A POINT ON VT. ROUTE 116
WHICH IS 4.721 MILES NORTHERLY OF THE HINESBURG-STARKSBORO
TOWN LINE AND EXTENDING NORTHERLY FOR 0.081 MILES
LENGTH OF BRIDGE 18.91 FEET = 0.004 MILES
LENGTH OF ROADWAY 406.09 FEET = 0.077 MILES
LENGTH OF PROJECT 425.00 FEET = 0.081 MILES

WORK TO BE PERFORMED ON THIS PROJECT INCLUDES GRADING, DRAINAGE, SUBBASE,
PAVEMENT AND BRIDGE REPLACEMENT FOR A STATE HIGHWAY ON EXISTING ALIGNMENT.



CONTRACT PLANS

THESE PLANS DO NOT REFLECT
CHANGES MADE ON THE PROJECT.

TRAFFIC DATA	
1985 ADT	5910
2005 ADT	7990
2005 DMV	970
D	70%
T	5%
V	35 MPH

CONVENTIONAL SIGNS

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

DATUM	
VERTICAL	ASSUMED
HORIZONTAL	N/A

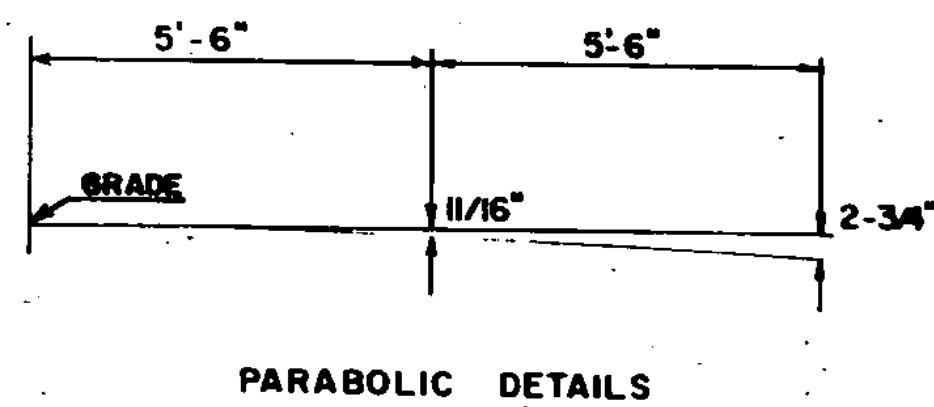
0 100 200
SCALE 1" = 80'

PROJECT PROCESSED UNDER SECONDARY ROAD PLAN

SUBMITTED BY ORDER OF THE STATE TRANSPORTATION BOARD	
APPROVED <u>[Signature]</u>	DATE <u>1-22-85</u>
DIRECTOR OF ENGINEERING AND CONSTRUCTION	
DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION	
APPROVED _____	DATE _____
DIVISION ADMINISTRATOR	
PROJECT F NR 021-1(8)S	
SHEET 1 OF 76 SHEETS	

D-10

SRS 12/17/70



TYPICAL SECTIONS

3" BITUMINOUS CONCRETE PAVEMENT, 1 1/4" III OVER 1 3/4" II (TWO LIFTS)
5" PLANT MIXED BASE COURSE, ITEM 303.25 (TO BE PLACED IN TWO COURSES)

24" SUBBASE OF GRAVEL, ITEM 301.15

1-1/4" SHOULDERS: BITUMINOUS CONCRETE PAVEMENT, ITEM 406.25

0'-24" SAND BORROW (IN CUT) ITEM 203.31

0'-12" GRANULAR BORROW (IN FILL) ITEM 203.32

TO BE PLACED AS NOTED ON THE PLANS
OR AS DIRECTED BY THE ENGINEER

GENERAL NOTES

SEED, ITEM 651.10
TO BE APPLIED AS DIRECTED BY THE ENGINEER

TWT	LBS/A	NAME	PUR%	GERM%
3.33	2	CROWN VETCH	97	75
90.00	30	CREeping RED FESCUE	98	85
8.33	5	TIMOTHY	99	85
16.67	10	PERENNIAL RYE GRASS (VAR. PENNINE)	95	85
8.34	5	ALFALFA (VAR. SARANAC)	99	85
8.33	5	BIRDFOOT TREFOIL (VAR. EMPIRE)	98	85
5.00	3	HIGHLAND BENT GRASS	92	85
100.00	60	LBS/ACRE		

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

MARKER POSTS, (WOOD OR STEEL AS SPECIFIED)
TO BE PLACED AS DIRECTED BY THE ENGINEER

FERTILIZER, ITEM 651.15
FORMULA 10-20-10 TO BE USED WITH SEED,
ITEM 651.15 APPLIED AT THE RATE OF 500 LBS/ACRE

AGRICULTURAL LIMESTONE, ITEM 651.20
TO BE APPLIED AT RATE OF 2 TONS/ACRE
OR AS DIRECTED BY THE ENGINEER

HAY MULCH, ITEM 651.25
TO BE PLACED ON EARTH SLOPES AT THE RATE OF
2 TONS/ACRE

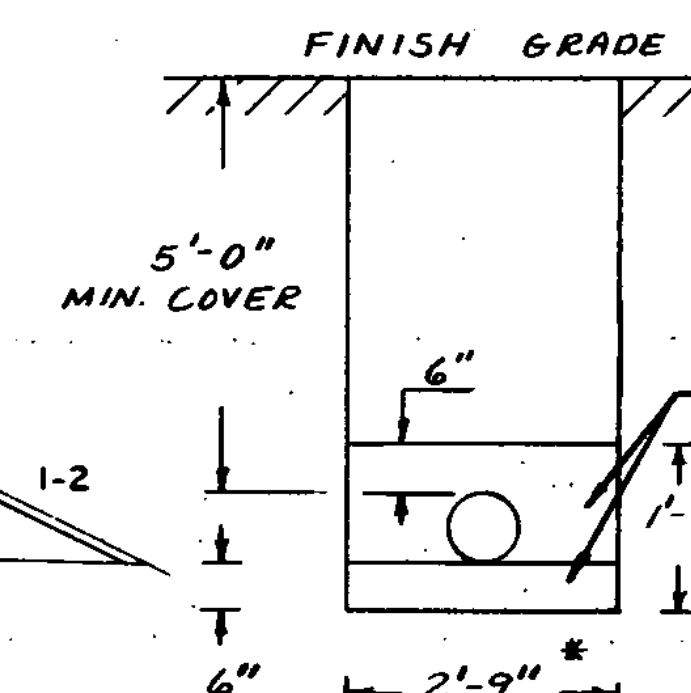
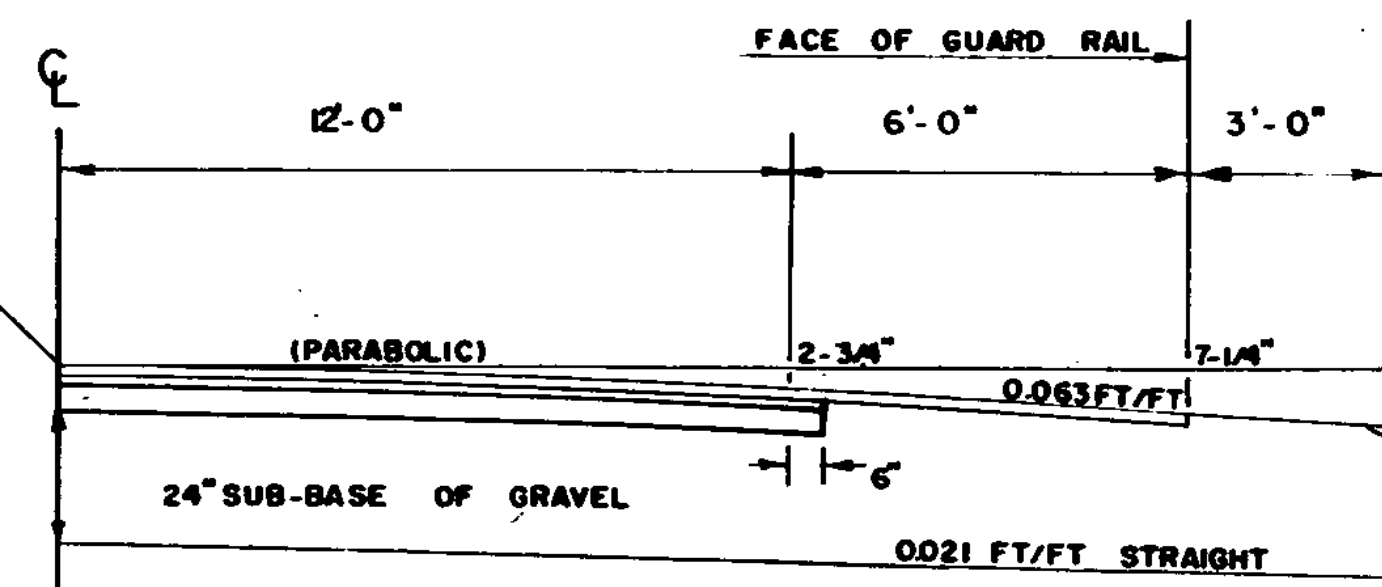
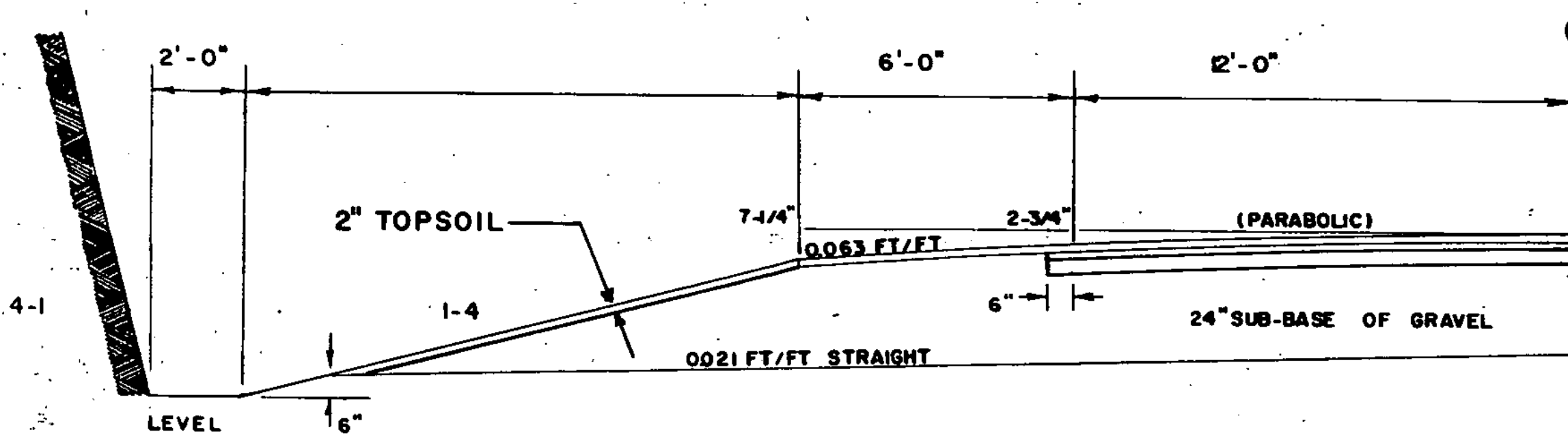
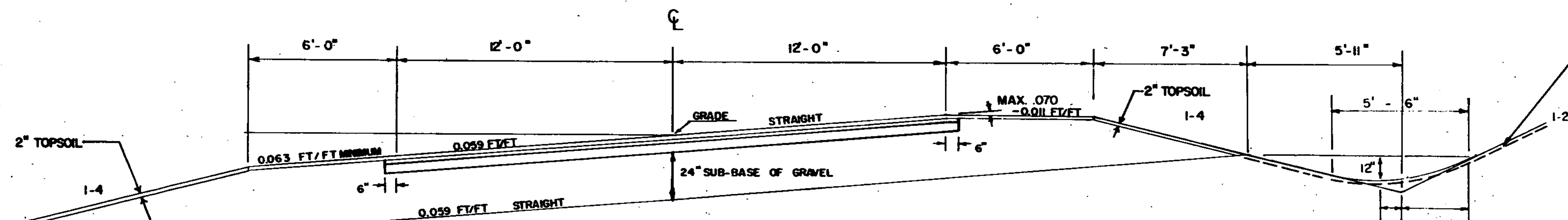
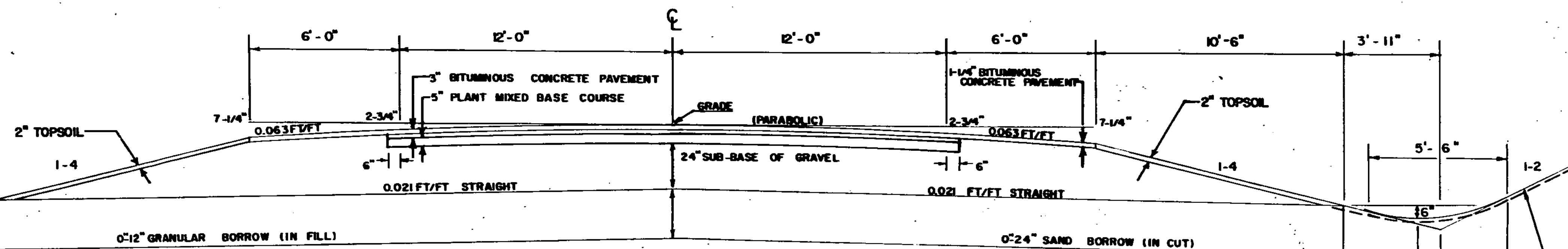
TOPSOIL, ITEM 653.10
TO BE USED WITH SEED, ITEM 651.10 IN RESIDENTIAL
AREAS, AS DIRECTED BY THE ENGINEER

SEE STANDARD SHEET B-5 FOR TYPICAL SLOPE ROUNDING

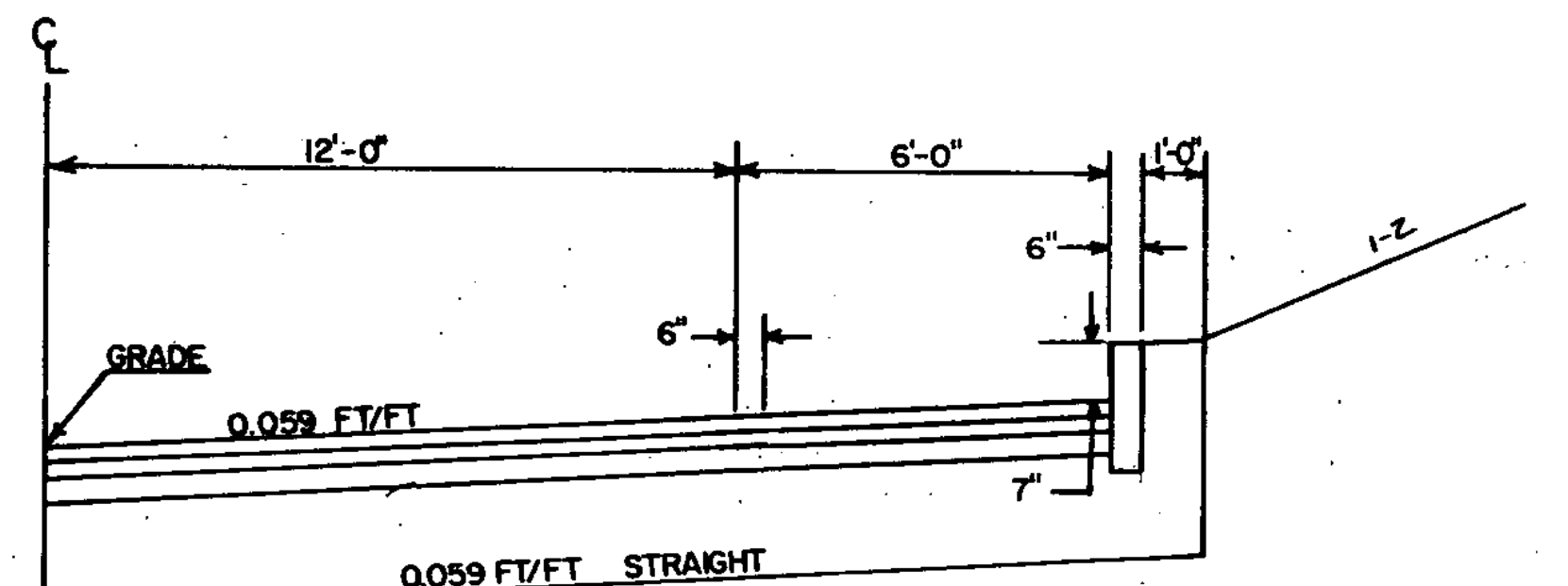
SEE STANDARD SHEET D-2 FOR PAY LIMITS OF SAND
BORROW WHEN USED IN CONJUNCTION WITH UNDERDRAIN

ALLOWABLE THICKNESS TOLERANCES

SUB-BASE	± 1"
CONTROLLED MATERIAL	± 1"
PAVEMENT	± 1/4"
BASE COURSE	± 1/2"



TOPSOIL IF AND AS DIRECTED BY THE ENGINEER.



TOWN OF HINESBURG

STATE OF VERMONT
AGENCY OF TRANSPORTATION

DRAWN BY: PRH 2/82 TRACED BY: PRH 2/82

PROJ. NO F 021-1(8)S SHEET 2 OF 76

DRAINAGE AND ITEM QUANTITY SHEET

STATE OF VERMONT DEPARTMENT OF HIGHWAYS
PROJECT F NO. 021-1(8)S

APPROXIMATE SUMMARY OF QUANTITIES					DETAILED SUMMARY OF QUANTITIES					DRAINAGE STRUCTURES																			
BRIDGE	ROADWAY	GRAND TOTAL	UNIT	ITEM	ITEM NUMBER	QUANTITY	UNIT	ITEM	STA	POS	OLD CULVERT	TYPE	ACC&G.M.P.	C&G.M.P.	UNCLASS. CHANNEL EXCAV.	STONE FILL CY / TYPE	ADJ. CHAN. ELEV.	CR.M.	TRENCH EARTH	EXCAV. ROCK	MARKER POSTS LT. RT.	ASKEW LT. RT.	CONC. B	REINF. STEEL	DI IN	DEPTH DI	DITCHES IN OUT	REMARKS	
	1	1	LS	Clearing & grubbing plus individual trees & stumps	201.10				16+59	RT	Sewer MH																		Retain
	4550	4550	EA	Removal of Structure	202.25				16+56~																				
	100	100	CY	Common Excavation	203.15	2212	CY	ROADWAY	16+93.5	RT	18" ACC&GMP																		Retain
	105	130	CY	Solid Rock Excavation (EST.)	203.16	386	CY	BEGIN APPROACH	16+93.5	RT	2-4" F&D																		Retain
			CY	Unclassified Channel Excavation	203.27	287	CY	END APPROACH	16+93.5	RT	TR #2																		Retain
	1000	1000	CY	Sand Borrow (EST.)	203.31	381	CY	TR #2	16+93.5	E	18" ACC&GMP																		Retain
	100	100	CY	Granular Borrow (EST.)	203.32	1000	CY	EXCAVATION FOR SAND BORROW	16+93.5	E	18" ACC&GMP																		Retain
	3100	3100	SY	Fine Grading - Subgrade	203.40	232	CY	DRIVES	16+96~																				
	315	590	CY	Trench Excavation of Earth	204.20	52	CY	ROUND	18+25	LT		RCDI Ditch 18" 134' 0"																	
	115	115	CY	Trench Excavation of Rock	204.21	4550	CY	TOTAL	19+85	LT	24" Culvert																		Retain
			CY	Structure Excavation	204.25				19+96	RT	Sewer MH																		
	70	70	CY	Granular Backfill for Structures	204.30				20+30	LT	30" Culvert																		Retain
	2395	2450	CY	Subbase of Gravel	301.15				20+59	RT	WSO																		
	580	580	TON	Plant Mixed Base Course	303.25	1239	CY	ROADWAY	23+00~																				
	469	480	CY	Stripping of Pits	307.10	310	CY	BEGIN APPROACH	23+90	RT	15" CMP																		
	469	480	TON	Bituminous Concrete Pavement	406.25	260	CY	END APPROACH																					
	123	135	CY	Concrete, Class B	501.25	332	CY	TR #2																					
	977	17600	LBS	Reinforcing Steel	507.15	222	CY	DRIVES																					
	4	4	GAL	Water Repellent	514.10	32	CY	ROUND																					
	73	73	SY	Sheet Membrane Waterproofing	519.20	2395	CY	TOTAL	18+25	RT		RCDI Ditch 18" 74' 0"																	
	288	288	EA	18" ACC&GMP (0.04)	601.552				18+50	RT																			
	5	5	EA	Changing Elevation of Sewer Manhole	604.401																								
			EA	Cast Iron Grate w/ Frame, type A	604.45																								
	175	175	LF	6" Underdrain (EST.)	605.101																								
	50	50	LF	6" Underdrain Carrier Pipe (EST.)	605.151																								
	2	2	EA	Underdrain Flushing Basin (EST.)	605.95																								
	10	10	HR	Roadway Patrol Maintenance	607.10	389	TON	ROADWAY																					
	1	1	HR	Bulldozer Rental, Type I (NABI)	608.10	102	TON	BEGIN APPROACH																					
	1	1	HR	All purpose Excavator Rental, Type I (NABI)	608.25	80	TON	END APPROACH																					
			HR	Excavator Rental, Type I (NABI)	608.25	9	TON	ROUND																					
	100	100	TON	Dust Control w/ water	609.10	580	TON	TOTAL																					
	1	1	TON	Dust & Ice Control w/ Calcium Chloride	609.15																								
	60	60	CY	Stone Fill, Type I	613.10																								
	15	15	CY	Stone Fill, Type II	613.11																								
	400	400	LF	Vertical Granite Curb	616.16																								
	41	41	LF	Bridge Railing - Galvanized Box Beam	617.30																								
	5	5	EA	Boundary Markers	619.10	254	TON	ROADWAY																					
	4	4	EA	Wood Marker Posts	619.15	64	TON	BEGIN APPROACH																					
	5	5	EA	Removing & Resetting Property Markers	619.20	50	TON	END APPROACH																					
	38	38	LF	Guardrail, Standard Steel Beam w/ Steel Posts, Type II	621.26	35	TON	TR #2																					
	4	4	EA	Anchor for Steel Beam Guardrail w/ Steel or Wood Posts @ Openings	621.70	20	TON	TEMPORARY DETOUR																					
	4	4	EA	Guard Rail Approach Section, Type II	621.91	40	TON	DRIVES																					
			EA	Guard Rail Approach Section, Type II	621.91	6	TON	ROUND																					
	1	1	EA	Adjust Elevation of Valve Box	629.20	469	TON	TOTAL																					
	100	100	HR	Uniformed Traffic Officers	630.10																								
	250	250	HR	Flagpersons	630.15																								
	1	1	LS	Mobilization	635.10	183	CY	DRAINAGE SHEET																					
	445	445	LF	Two Way Temporary Bridge	638.11	131	CY	UNDERDRAIN (EST.)																					
	1900	1900	LF	Install Water Main	642.53	1	CY	ROUND																					
	1840	1840	LF	Temporary 4" Reflectorized White Line	646.35	315	CY	TOTAL																					
	26	26	LF	Temporary 4" Reflectorized Yellow Line	646.36																								
	4	4	EA	Durable 24" Stop Bar	646.64																								
			EA	Durable Letter Markings	646.66																								
	24	24	LB	Seed	651.10																								
	7	7	LB	Seed - Winter Rye	651.12																								
	200	200	LB	Fertilizer	651.15																								
	1	1	TON	Agricultural Limestone	651.20																								
	100	100	TON	Hay Mulch	651.25																								
			CY	Topsoil	653.10																								
	3	3	SY	Erosion Matting	654.20																								
			EA	Transplanting Evergreen Shrubs (also Deciduous) (EST.)	656.500																								
	57	57	SF	Traffic Signs, Type A	675.20																								
	350	350	LB	Traffic Sign Posts, Type A	675.35																								
	13	13	EA	Removing Signs	675.53																								

EARTHWORK

V.C.	% GRADE	STATION	GRADES		CORR V.C.	TOTAL EXCAVATION EARTH AND ROCK		EMBANKMENT		BASE	
			ELEVATION ON TANGENT	ON V. CURVES		AREA	CU. YDS	AREA	CU. YDS	AREA	CU. YDS
		16+00									
		+50									
		17+00	494.30	494.30	0	73	141				
		+50	494.63	494.93	+0.30	50	88				
		+75	494.80	495.47	+0.67						
		+80	494.83	495.59	+0.76						
		18+00	495.72	496.15	+0.43	50	87				
		+16	496.44	496.67	+0.23	25	85				
		+25	496.81	496.99	+0.15	25	93				
		+50	497.96	497.97	+0.01	104					
		+60	498.40	498.40	0	50	212				
		19+00	500.19	499.98	-0.21	50	125				
		+50	502.43	501.38	-1.05	35	125				
		+85	503.99	501.96	-2.03	15	98				
		+96	504.48	502.07	-2.41	15	166				
		20+00	504.66	502.11	-2.55	50	401				
		+30	506.00	502.24	-3.76						
		+40	505.56	502.23	-3.33						
		+50	505.13	502.20	-2.93						
		+55	504.91	502.17	-2.74						
		+56	504.86	502.16	-2.70	50	441				
		21+00	502.94	501.64	-1.30	24.80	209				
		+24.80	501.86	501.12	-0.74	209	192				
		+34.50	501.43	500.87	-0.56						
		+43.71	501.03	500.62	-0.41	6.29	21				
		+50	500.75	500.42	-0.33	25	103				
		+75	499.66	499.58	-0.08	25	78				
		22+00	498.57	498.57	0	50	147				
		+20	497.69								
		+50	496.38			81					
		+56	496.12								
		+70	495.51	495.51	0						
		23+00	494.20	494.30	+0.10	81	150				
		+10	493.76	493.94	+0.18						
		+38	493.05	493.07	+0.02	50	137				
		+50	492.74	492.74	0	67					
		+60	492.49								
		+90	491.9								
		24+00	491.7								

EARTHWORK

V. C.	% GRADE	STATION	GRADES		CORR. V. C.	DIST.	TOTAL EXCAVATION EARTH AND ROCK				EMBANKMENT		BASE	
			ELEVATION ON TANGENT	ON V. CURVES			AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.
	+5.600 %			REV TR #2										
			REV POT 5+03.51= PVI. POC 20+56.00											
			REV 5+03.51	502.16										
			REV 5+21.51	503.17			25							
			REV 4+7.70	504.63		26.19	113	161						
			REV +50	504.76										
			REV +51	504.81										
			REV +64.20	505.55		16.50	63	54						
			REV +71	505.92	505.92	0								
			REV +76	506.20	506.19	-0.01	35.80	79						
			REV TR #2 PI 5+77.41 = TR #2 POT 5+77.00											
			6+00	507.54	507.22	-0.32	56							
			+11	508.15	507.55	-0.60								
			+29	508.07	507.89	-0.18								
			+50	507.98	507.98	-0.00								
			+51	507.98	507.98	0	51	33	84					
			7+00	507.8										

L = 80
 +5.564 %
 -0.450 %
 -0.4200 %

X
 X
 X
 X

C 331
 F 0
 F.FBC 1.15
 EXC 331

EARTHWORK SUMMARY

STATE OF VERMONT AGENCY OF TRANSPORTATION

SUMMARY OF BALANCES

STATION TO STATION	TOTAL EXCAV. EARTH & ROCK CUBIC YARDS	ROCK EXCAV. CUBIC YARDS	EMBANKMENT CUBIC YARDS	EXCESSES		ACCUMULATIVE EXCESSES		BASE CUBIC YARDS
				CUT	FILL	CUT	FILL	
BEGIN APPROACH	385		1	385		385		
18+25 22+50	2212		19	2190		2575		
END APPROACH	287		3	284		2869		
ROADWAY	2885		23					
TR #2	381		0	381		3240		
DRIVES	232		0	232		3472		
TOTAL	3498		23					

SUMMARY BY COLUMNS

SHEET NO.	COL NO.	SUMMARY BY COLUMNS			REMARKS
		EXCAVATION TOTAL CU YDS - ROCK CU YDS	EMBANKMENT CUBIC YARDS	BASE CUBIC YARDS	
					EARTH AND ROCK EXCAVATION 3498
					SOLID ROCK EXCAVATION
					EARTH EXCAVATION 3498
					PLANIMETERED FILL 23
					LESS FACTORED SOLID ROCK
					LESS DISPLACEMENT OF ANY LARGE STRUCTURES
					NET PLANIMETERED FILL 23
					FACTOR 1.15
					PLANIMETERED FILL INCLUDING FACTOR 26
					MATERIALS AVAILABLE FOR FILL
					EARTH EXCAVATION 3498
					CHANNEL EXCAVATION UNCLASS (.60) 75
					UNDERDRAIN EXCAVATION
					STRUCTURE EXCAVATION 115X.60 = 69
					TOTAL MATERIAL AVAILABLE FOR FILL 3642
					TOTAL FILL INCLUDING FACTOR 26
					TOTAL MATERIAL FOR FILL BORROW
					EXCESS EXCAVATION 3616

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

TABLE OF PROJECT PROPERTY ACQUISITION

PARCEL NO.	GRANTOR	SHEET NO.	BEGINNING STATION	ENDING STATION	TAKING	REM	RIGHTS	TITLE TAKEN	DATE	TOWN OR CITY RECORDED	BK.	PG.	REMARKS	
1	AGNEW, GEORGE H. & BARBARA F.	6	16+84 LT. 15+96 LT.	17+01 LT. 17+01 LT.			DITCH RT. (P) CUL. RT. (P)	(0.04 A±)	WDGE	10-24-84	HINESBURG	53	147-148	(1700 S.E.)
2	INTERNATIONAL CHEESE CO., INC.	6,7	17+01 LT. 17+01 LT. 17+01 LT. 17+38 LT. 19+77 LT. 20+20 LT. 20+45 LT. 18+15 LT. 17+01 LT.	21+37 RT. 17+04 LT. 18+25 LT. 21+18 LT. 21+18 LT. 18+23 LT. 21+18 LT.	0.32 A±	9.40 A±	ALL RT. & L. DITCH RT. (P) CUL. RT. (P) DRIVE (T) CONST. EASE. (T) DRIVE (T) SLOPE (T)	(0.01 A±) (0.04 A±) (0.02 A±)	WD COND.	11-23-84	HINESBURG	53	351-355	HWY. EASE. VT. RTE. 116 (EXCEPTING RESERVING 8' CONC. WALL BETWEEN STA 18+40 LT. AND STA. 18+67 LT.) (230 S.E.) 40' PAVED (1920 S.E.) TEMP. BRIDGE AND DETOUR 40' PAVED (700 S.E.) SIGN - REMOVE
3	FARNHAM, RICHARD H.	6,7	17+02 RT. 17+02 RT. 17+80 RT. 17+40 RT.	17+96 RT. 17+96 RT.	0.07 A±	0.96 A±	ALL RT. & L.	WD COND.	11-23-84	HINESBURG	53	351-355	(3200 S.E.) HWY. EASE. VT. RTE. 116 DRIVE (18' GRAVEL) SIGN - REMOVE	
4	HAMERSLOUGH, PHILIP, III	7	17+96 RT. 17+96 RT. 18+16 RT. 18+42 RT. 18+25 RT.	19+07 RT. 19+07 RT. 18+60 RT.	0.09 A±	0.23 A±	ALL RT. & L.	WD COND.	11-23-84	HINESBURG	53	351-355	(3940 S.E.) HWY. EASE. VT. RTE. 116 DRIVE (18' STONE) SIGN - REMOVE EXCEPT & RESERVE STONE WALK	
5	MARTIN, HELEN	7	19+07 RT. 19+07 RT. REV. L.H. 2 5+76 RT. 19+07 RT.	20+11 RT. 20+11 RT. 19+50 RT.	0.08 A±	0.23 A±	ALL RT. & L. DRIVE (T)	WD	10-12-84	HINESBURG	53	149-150	(3600 S.E.) HWY. EASE. VT. RTE. 116 25' GRAVEL (COMMON WITH PARCEL NO. 6) EXCEPT & RESERVE STONE WALL	
6	PRIM, MELVIN & MARION	7	REV. L.H. 2 5+76 RT.				DRIVE (T)	AGREE. COND.	11-23-84	HINESBURG	53	351-355	25' GRAVEL (COMMON WITH PARCEL NO. 5)	

TABLE OF REVISIONS

REVISION NO.	SHEET NO.	DESCRIPTION OF REVISION	DATE	MADE BY	APPROVED BY
1	4,7	Parcel #9 LYMAN: Added "Joan K." to title, per C.O. #6178	4-5-84	E.A.	
2	3,7	Parcel #2 INTER. CHEESE, Added Sign To Plans Rt Sta. 18+15 ~ 18+23 30' Lt. Per C.O. # 6216	6-13-84	B.A.M.	
3	3,6,7	Parcel #3 FARNHAM, Added Sign At Sta. 17+30 20' Rt. Sta. 17+53 30' Rt. Per C.O. # 6217	6-13-84	B.A.M.	
4	3,7	Parcel #4 HAMERSLOUGH, Added Sign At Sta. 18+42 21' Rt. Per C.O. # 6218	6-13-84	B.A.M.	
5	4,7	Parcel #8 HUNTER, Deleted HENRY I. From Title, Marked Save To 15" Maple At Sta. 21+90R Per Revised Design / C.O. # 6219	6-13-84	B.A.M.	
6	3,7	Parcel #4 HAMERSLOUGH & Parcel #11 GIROUX, Parcel #4 Added SAVE To Stone Walk At Sta. 18+25 ~ 18+60R. EXCEPT RESERVE STONE WALK Parcel #11 Added To Locust Tree At Sta. 23+00R & Willow Tree At Sta. 23+35 RT. Per Revised Design & C.O. # 6220	6-13-84	B.A.M.	
7	3,7	Parcel #5 MARTIN, Added SAVE To Flowers Sta. 19+76 ~ 19+96 15' Rt. SAVE To 4" Cedar Tree Sta. 19+60 Rt. SAVE STONE WALL STA. 19+07 ~ 19+50 RT. EXCEPT & RESERVE Per Revised Design & C.O. # 6221	6-13-84	B.A.M.	
8	7	Parcel #9 LYMAN, Added Flowering Crab Tree Sta. 21+35 47' Lt. Per Revised Design & C.O. # 6224	6-13-84	B.A.M.	
9	7	Parcel #2 INTER. CHEESE, Revised curbing of DRIVE AT STA. 19+90LT. Per C.O. # 6229	7-3-84	DEM.	
10	3,6,7	Parcel #3 FARNHAM, Deleted 2 signs At Sta. 17+50 RT. + 17+53 RT.; Added Sign At Sta. 17+40 RT. + On Detail sign - remove, Per C.O. # 6355 Plans Given To Design 12-17-84 B.A.M.	10-2-84	DEM.	LWB

MADE BY: EA DATE 12-27-83
CHECKED BY: LWB DATE 12-27-83

OR. RT. - DRAINAGE RIGHT
DIT. RT. - DITCHING RIGHT
CH. RT. - CHANNEL RIGHT
DRIVE RT. - DRIVE RIGHT
CUL. RT. - CULVERT RIGHT
(D) - DEMOLITION OR REMOVAL
(W) - WATER SOURCES

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

LEGEND

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

APPROVED Andrew W. Blin DATE 12/27/83
CHIEF OF PLANS & TITLES

ROW. PLANS

PROJECT HINESBURG

NO. F 021-1(8)S

SHEET 6 OF 76

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

TABLE OF PROJECT PROPERTY ACQUISITION

PARCEL NO.	GRANTOR	SHEET NO.	BEGINNING STATION	ENDING STATION	TAKING	REM.	RIGHTS	TITLE TAKEN	DATE	TOWN OR CITY RECORDED	BK.	PG.	REMARKS
7A	HINESBURG, TOWN OF	7	20 + 65 RT. 20 + 71 RT. 20 + 71 RT. REV. TH 2 5 + 68 LT. 21 + 09 RT. 20 + 75 RT. 21 + 17 RT. 21 + 20 RT.	20 + 82 RT. 21 + 50 RT. 20 + 85 RT. REV. TH 2 6 + 31 LT. 21 + 49 RT. 21 + 53 RT. 21 + 57 RT.	0.01 A± 	0.17 A±	SLOPE (T) (0.01 A±) CONST. EASE. (T) (0.01 A±) DRIVE (T) CULVERT (P) SLOPE (T) (0.01 A±) CONST. EASE. (T) (0.01 A±)	WD	11-5-84	HINESBURG	53	285-87	(180 S.F.±) (270 S.F.±) (300 S.F.±) 35' GRAVEL (410' S.F.±) (340' S.F.±)
7B			20 + 11 RT.	21 + 50 RT.	0.10 A±		ALL R.T. & L.						HWY. EASE. VT. RTE. 116
7C			20 + 11 RT.	REV. TH 2 6 + 50 LT.			EASEMENT (T) (0.14 A±)						CONSTRUCT APPROACH T.H. 2
7D			21 + 00 LT. TOTAL	21 + 07 LT.	0.11 A±	0.17 A±	REMOVAL AND REPLACEMENT (T)						6" STAND-PIPE FOR FIRE DEPT.
8	HUNTER, GRACE I.	7	21 + 37 RT. 21 + 50 RT. 21 + 50 RT. 21 + 75 RT.	22 + 54 RT. 22 + 54 RT. 21 + 71 RT.	0.08 A±	0.50 A±	ALL R.T. & L. SLOPE (T) (120 S.F.±)	WD	9-20-84	HINESBURG	53	9-10	(3580 S.F.±) HWY. EASE. VT. RTE. 116 DRIVE (14' PAVED)
9	LYMAN, DAVID F. & JOAN K.	7	21 + 18 LT. 21 + 18 LT. 21 + 05 LT. 21 + 15 LT. 21 + 67 LT.	22 + 75 LT. 22 + 75 LT. 22 + 18 LT. 21 + 51 LT.	0.11 A±	200.00 A±	ALL R.T. & L. CONST. EASE. (T) (0.04 A±) SLOPE (T) (90 S.F.±) DRIVE (T)	WD COND.	11-23-84	HINESBURG	53	351- 355	HWY. EASE. VT. RTE. 116 (1600 S.F.±) TEMP. BR. & DETOUR 14' GRAVEL
10	GIROUX, VICTOR J. & BERNARD A. d/b/a GIROUX'S BODY SHOP	7	22 + 75 LT. 22 + 75 LT. 23 + 50 LT.	23 + 50 LT. 23 + 50 LT.	0.06 A±	0.25 A±	ALL R.T. & L.	WD	11-19-84	HINESBURG	53	361- 363	(2475 S.F.±) HWY. EASE. VT. RTE. 116 (EXCEPTING & RESERVING PORCH BETWEEN STA. 23+25 LT. AND 23+33 LT.) DRIVE (65' PAVED)

TABLE OF REVISIONS

REVISION NO.	SHEET NO.	DESCRIPTION OF REVISION	DATE	MADE BY	APPROVED BY

MADE BY: FA DATE 12-27-83
CHECKED BY: LWB DATE 12-27-83

DR. RT. — DRAINAGE RIGHT
DIT. RT. — DITCHING RIGHT
CH. RT. — CHANNEL RIGHT
DRIVE RT. — DRIVE RIGHT
CUL. RT. — CULVERT RIGHT
D — DEMOLITION OR
REMOVAL
W — WATER SOURCES

_____	PRESENT	R.O.W.
/// _____	TAKING WITHOUT ACCESS	
/// <u>P</u> _____	TAKING WITHOUT ACCESS ALONG PROPERTY LINES	
_____	TAKING WITH ACCESS	
(P)	PERMANENT EASEMENT	
(T)	TEMPORARY EASEMENT	

LEGEND

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

APPROVED Lawrence Blin DATE 12/27/83
CHIEF OF PLANS & TITLES

R.O.W. PLANS

PROJECT HINESBURG

NO. F 021-1(8)S

SHEET 7 OF 76

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

TABLE OF PROJECT PROPERTY ACQUISITION

[illegible]

TABLE OF REVISIONS

REVISION NO.	SHEET NO.	DESCRIPTION OF REVISION	DATE	MADE BY	APPROVED BY

MADE BY: FA DATE 12-27-83
CHECKED BY: LWB DATE 12-27-83

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

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

LEGEND

The diagram illustrates a cross-section of a road cut. It features several horizontal lines representing different boundaries and features. From top to bottom, the lines are labeled as follows:

- CONST. EASE**: The topmost line, representing a constant easement.
- CONST. EASEMENT**: The line immediately below the topmost line, representing a constant easement.
- SLOPE RIGHTS**: The line below the constant easement, representing the boundary for slope rights.
- PROPERTY LINE**: The line below the slope rights, representing the property line. It is marked with 'P' and 'L' at the ends.
- TOP OF CUT**: The line below the property line, representing the top of the cut. It is marked with 'Δ' (delta) at the ends.
- TOE OF SLOPE**: The bottommost line, representing the toe of the slope. It is marked with 'O' (circle) at the ends.

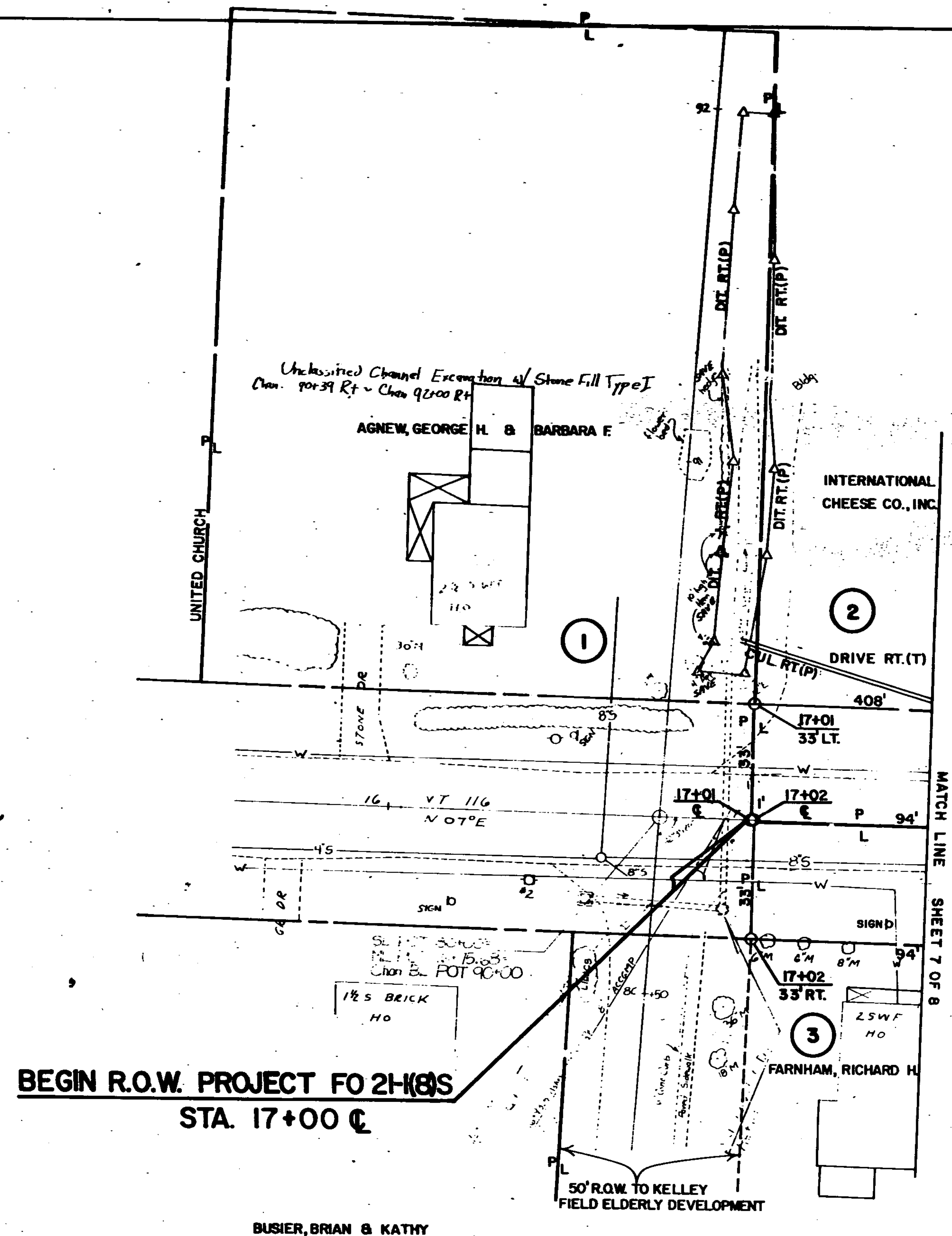
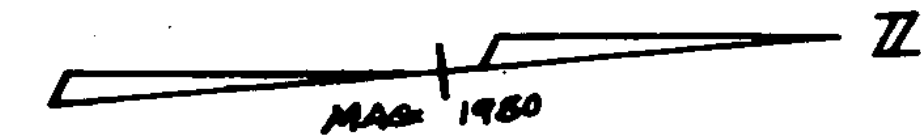
APPROVED Laurie M. Blair DATE 12/27/85
CHIEF OF PLANS & TITLES

ROW PLANS

PROJECT HINESBURG

NO. F 021-1(8)S

SHEET 8 OF 76



THIS SHEET TO BE USED
FOR ROW INFORMATION ONLY

18+25
Begin Project F 021-1(8) S
Construct Satisfactory Approach

BM #2
S.I.T
24' M.
ASSUMED
ELEV. 500.00

LYMAN, DAVID F. & JOAN K.

22+50
END PROJECT FOZI-1(6)S
CONSTRUCT SATISFACTORY APPROACH

GIROUX, VICTOR JOSEPH
GIROUX, BERNARD ADRIAN
D/B/A GIROUX'S BODY SHOP

Guard Rail, Standard Steel Beam w/ Steel Posts, Type I; Item 621.26	
Lt.	Rt
20+95~21+58	21+18~21+68

Construct Drives

Lt 21 + 67 (14' wide, gravel)
17*55 (40' wide, gravel)
20*20 (40' wide, gravel)
23*50 (65' wide, paved)
Rt
17*80 (18' wide)
18*16 (18' wide, Stone)
21*00 (35' wide)
21*75 (Paved)
TR*2 5*76 (25' wide)

Changing Elevation of Sewer
Manhole; Item 604.401
1996 (11' RT)

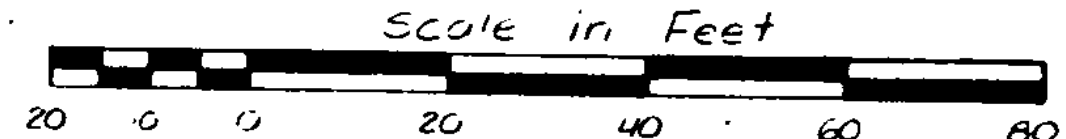
Adjust Elevation of Valve
Box; Item 629.20

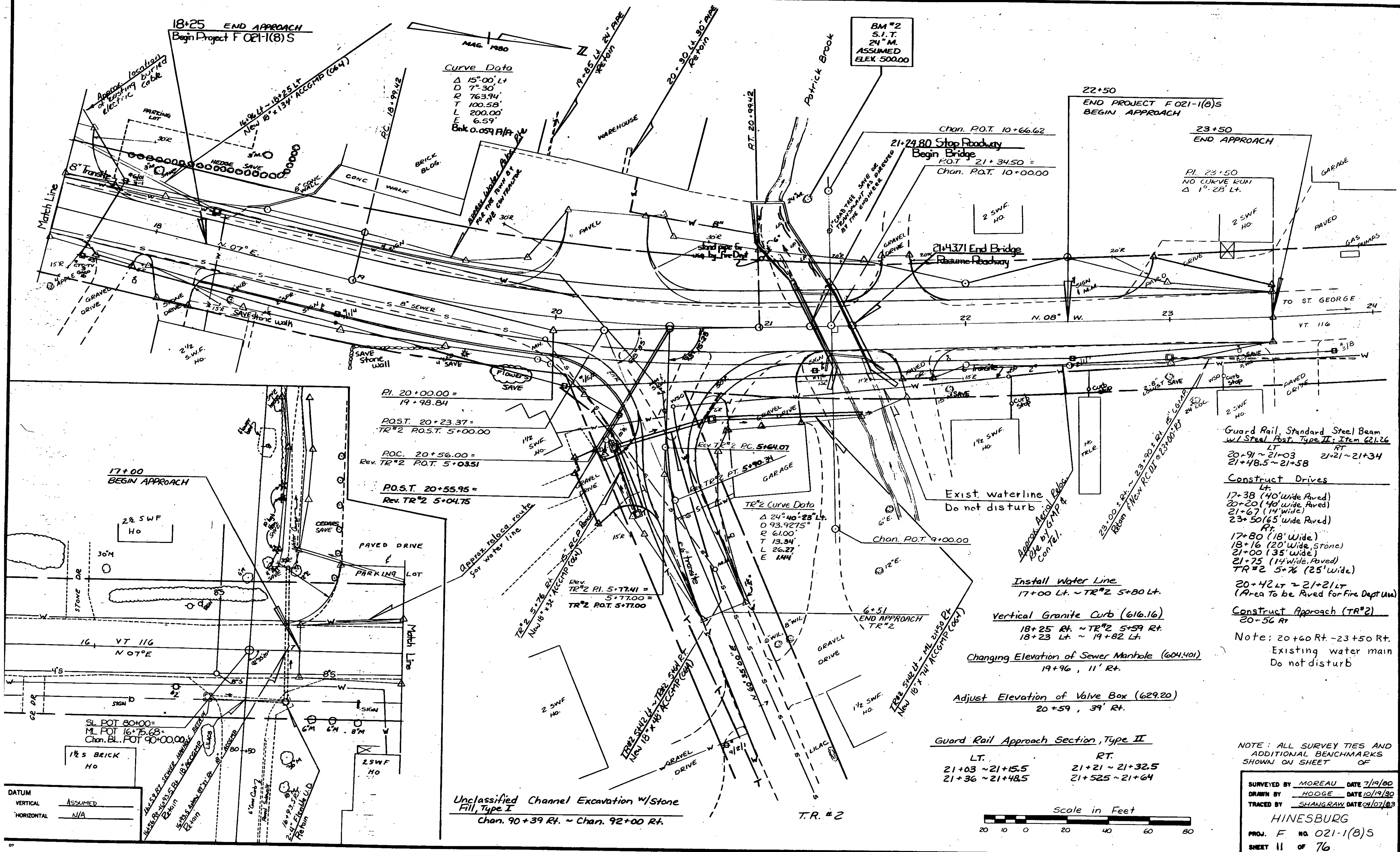
Vertical Granite Curb
Item 616.16
18+25R: TR#2 5:
18+231: 20+00.2

THIS SHEET TO BE USED
FOR ROW INFORMATION ONLY

SURVEYED BY MOKEAU DATE 7/19/80
DRAWN BY HOLGE DATE 10/19/80
TRACED BY YANGRAW DATE 4/07/83

HINESBURG
F 021-1(8)S
SHEET 100F 76



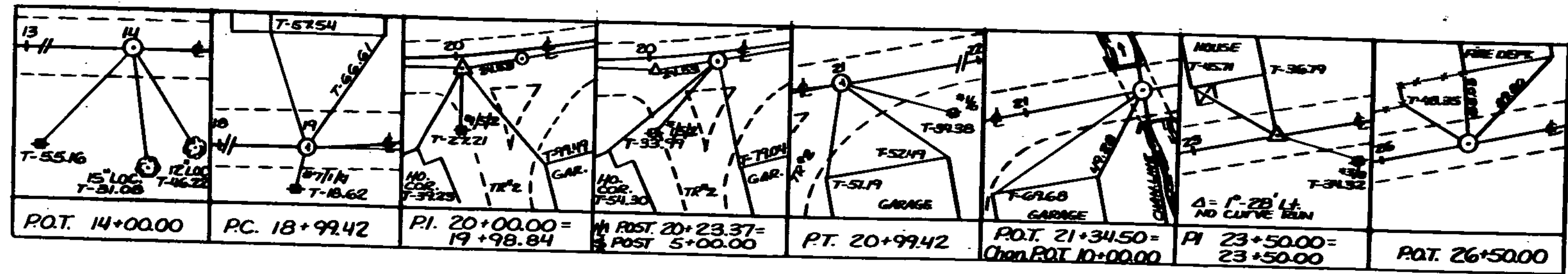


SURVEYED BY MOREAU DATE 7/19/80
DRAWN BY HODGE DATE 10/19/80
TRACED BY SHANGRAW DATE 04/07/83

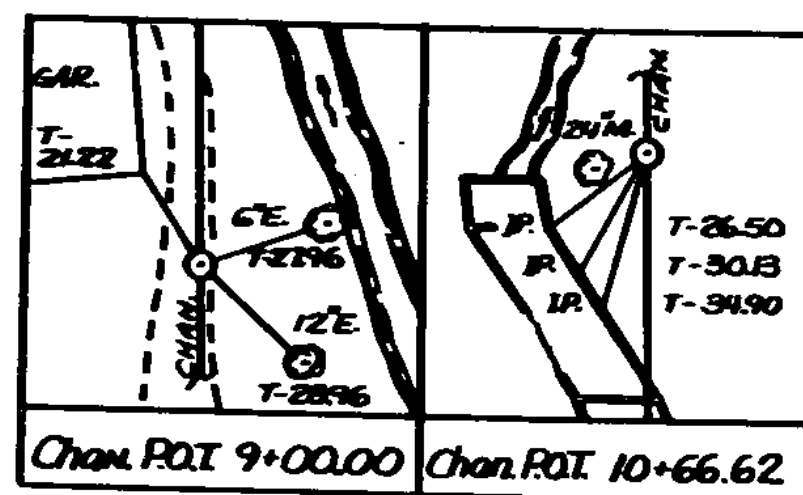
HINESBURG

PROJ. F NO. 021-1(8)5

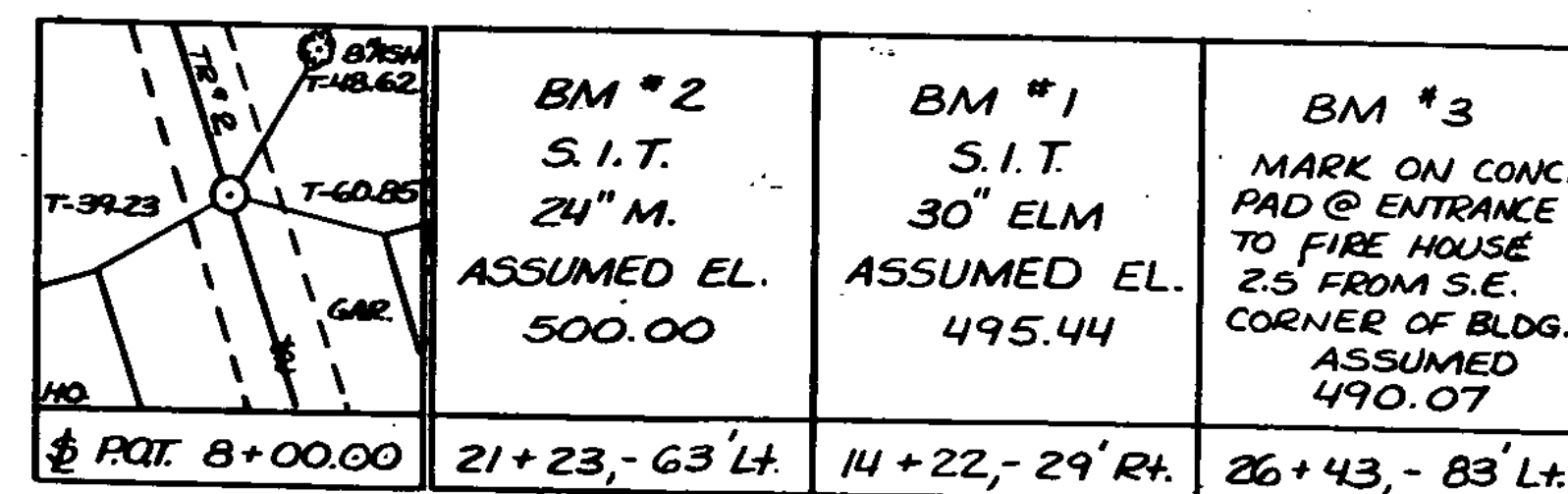
SHEET 11 OF 76



MAINLINE TIES



CHANNEL LINE TIES

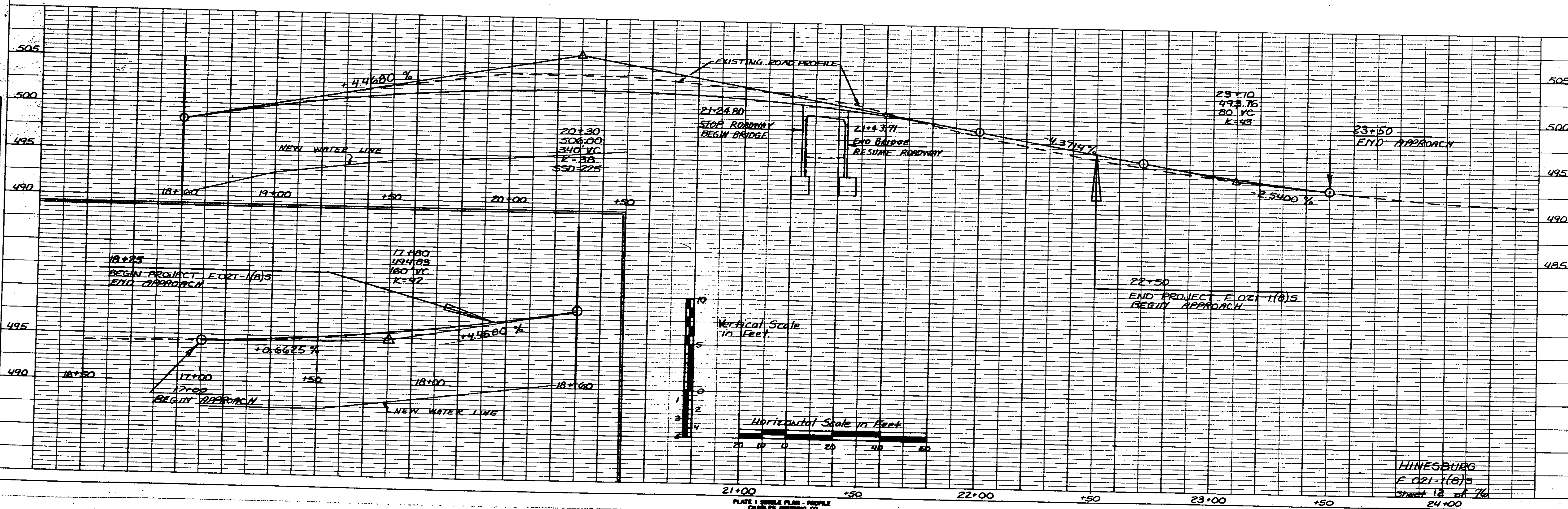


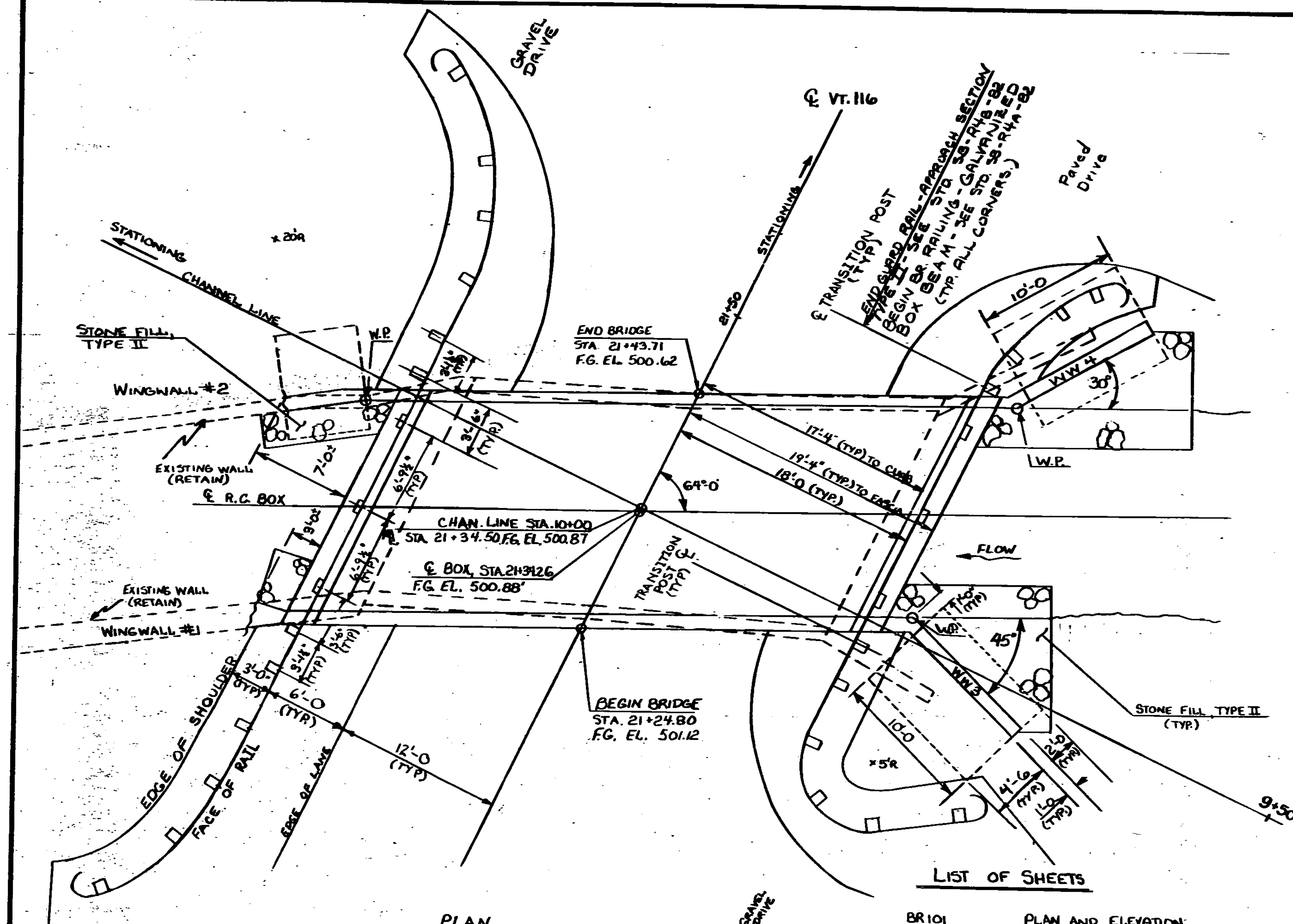
SIDELINE TIES

BENCHMARKS



ALL TIES ORIENTED TO THIS NORTH ARROW
ALL SKETCHES NOT TO SCALE





LIST OF SHEETS

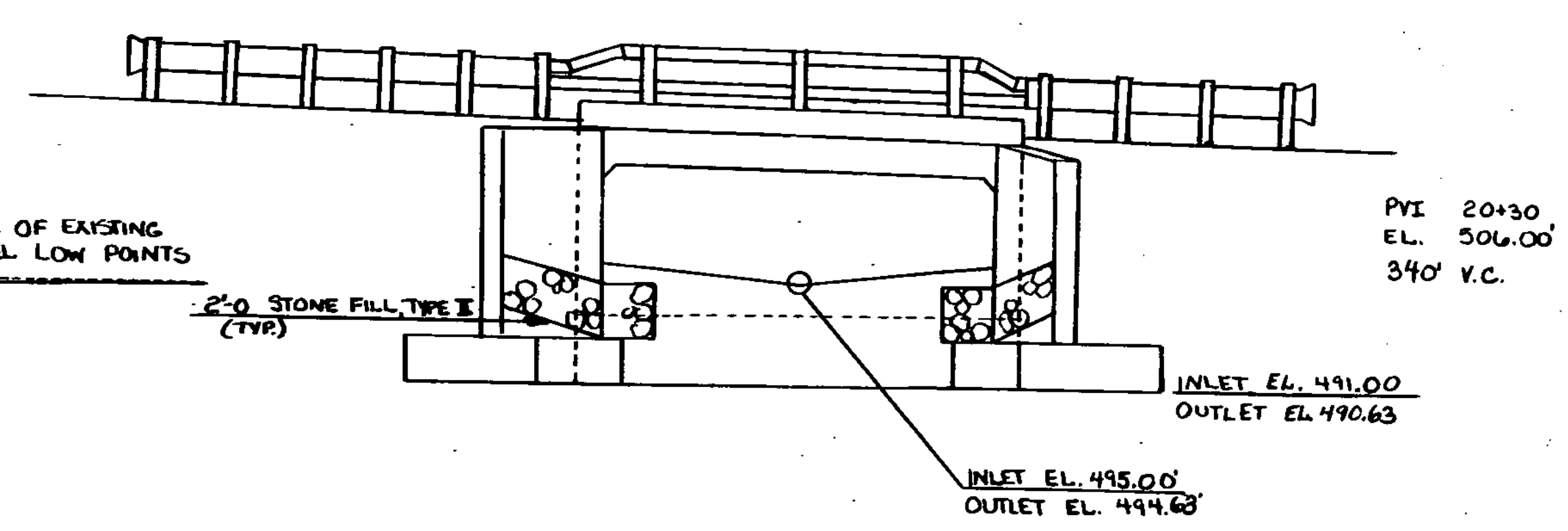
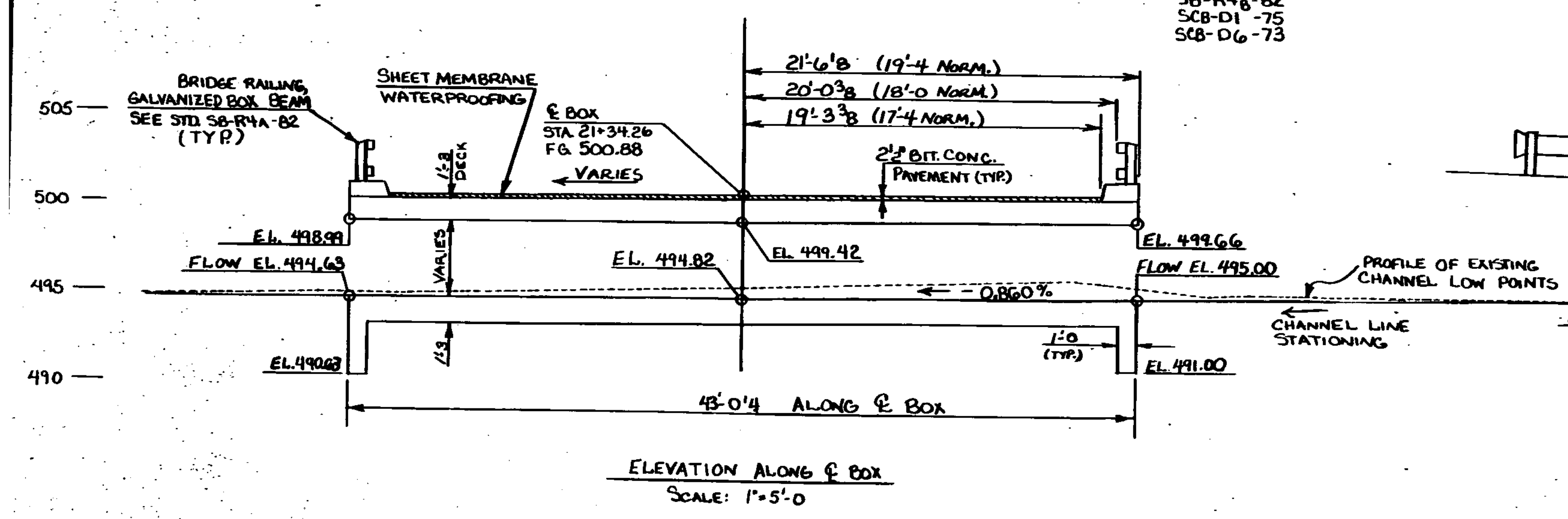
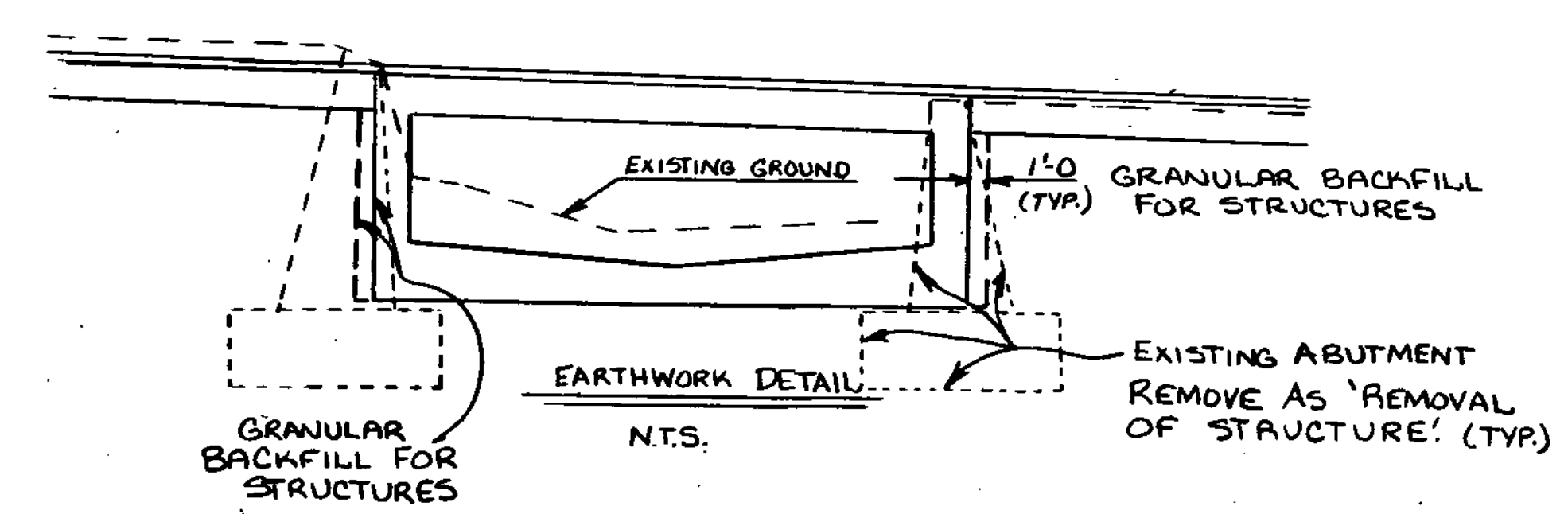
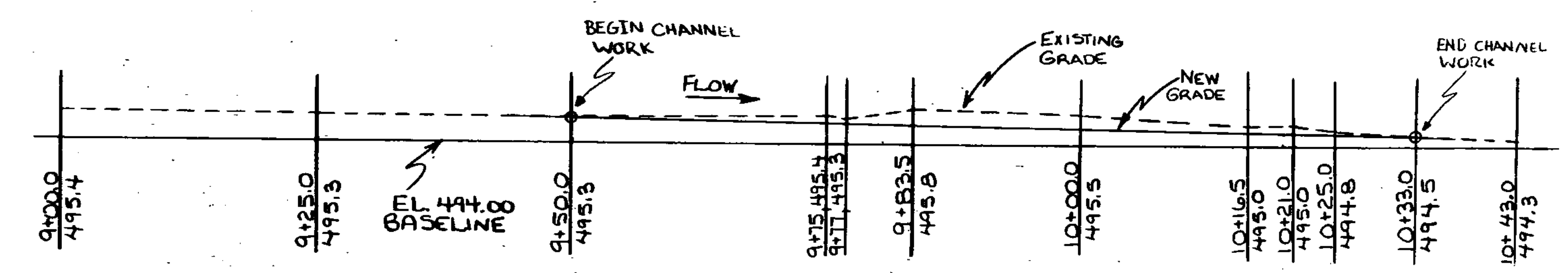
BR101 PLAN AND ELEVATION
BR102 BRIDGE QUANTITY SHEET
BR103 REINFORCING DETAILS-BOX
BR104 WINGWALL 1:2 DETAILS
BR105 WINGWALL 3:4 DETAILS
BR106 REINFORCING SCHEDULE
BR107-BR111 CHANNEL SECTIONS
SB-R4A-B2
SB-R4B-B2
SCB-D1-75
SCB-D6-73

HYDRAULIC DATA

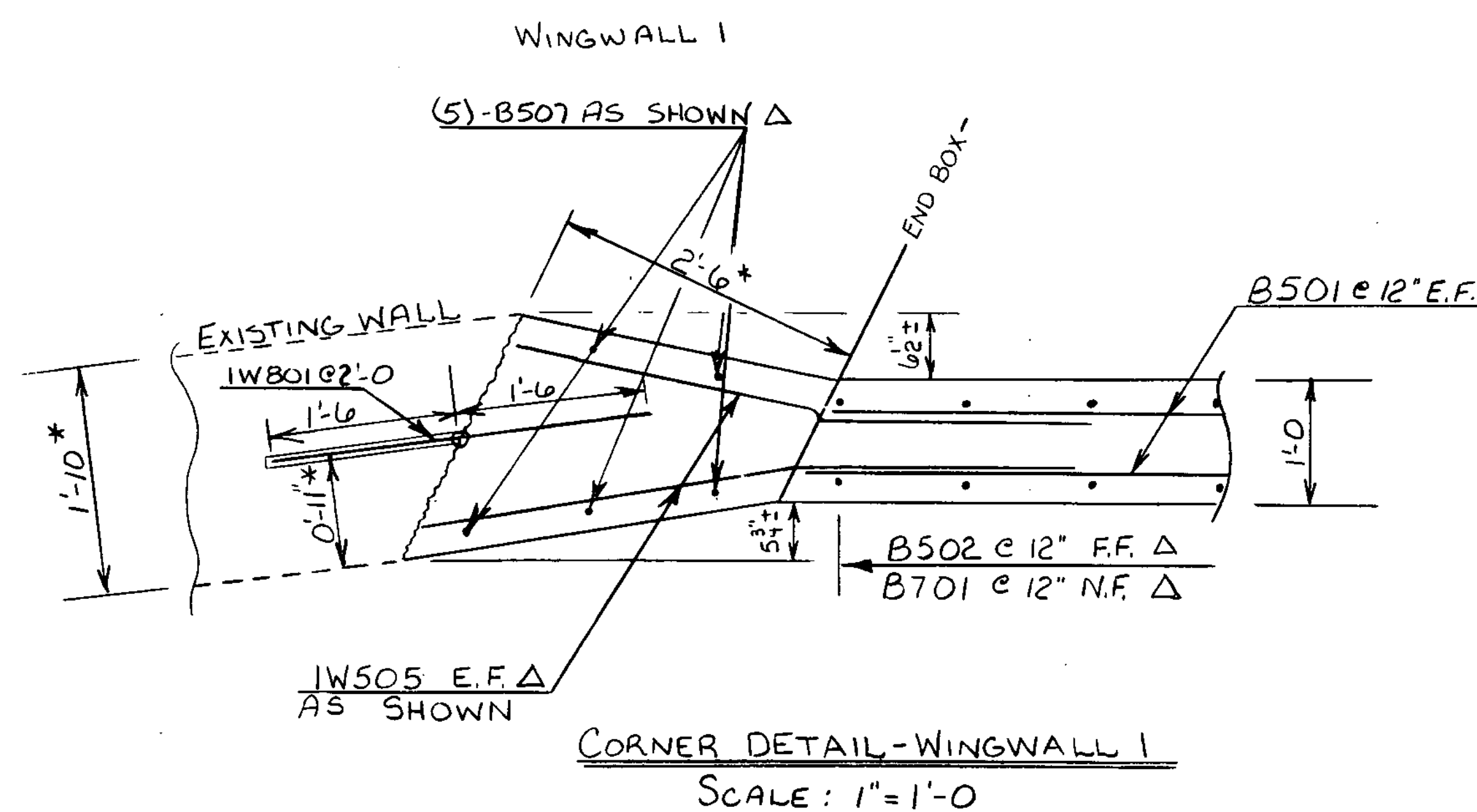
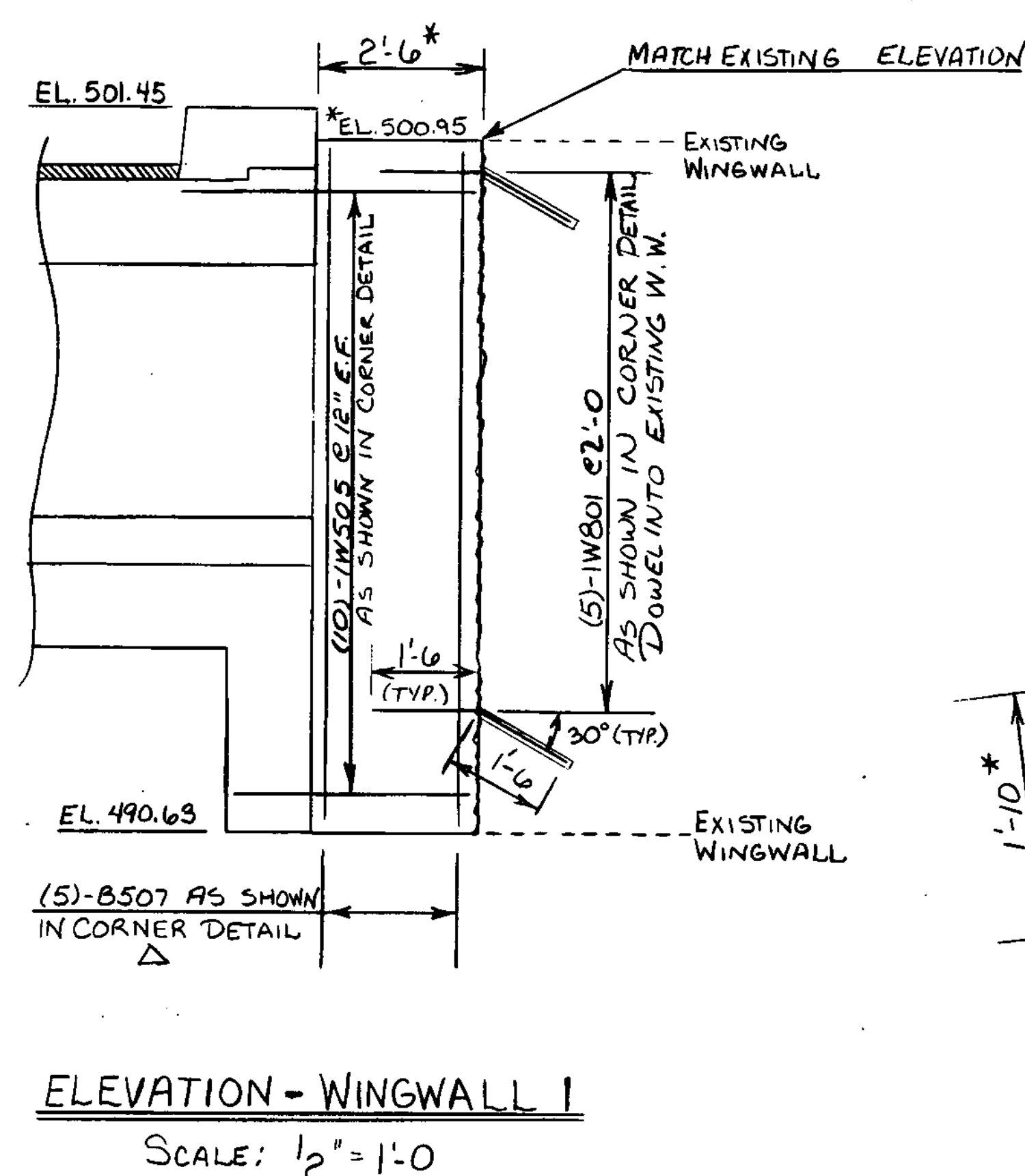
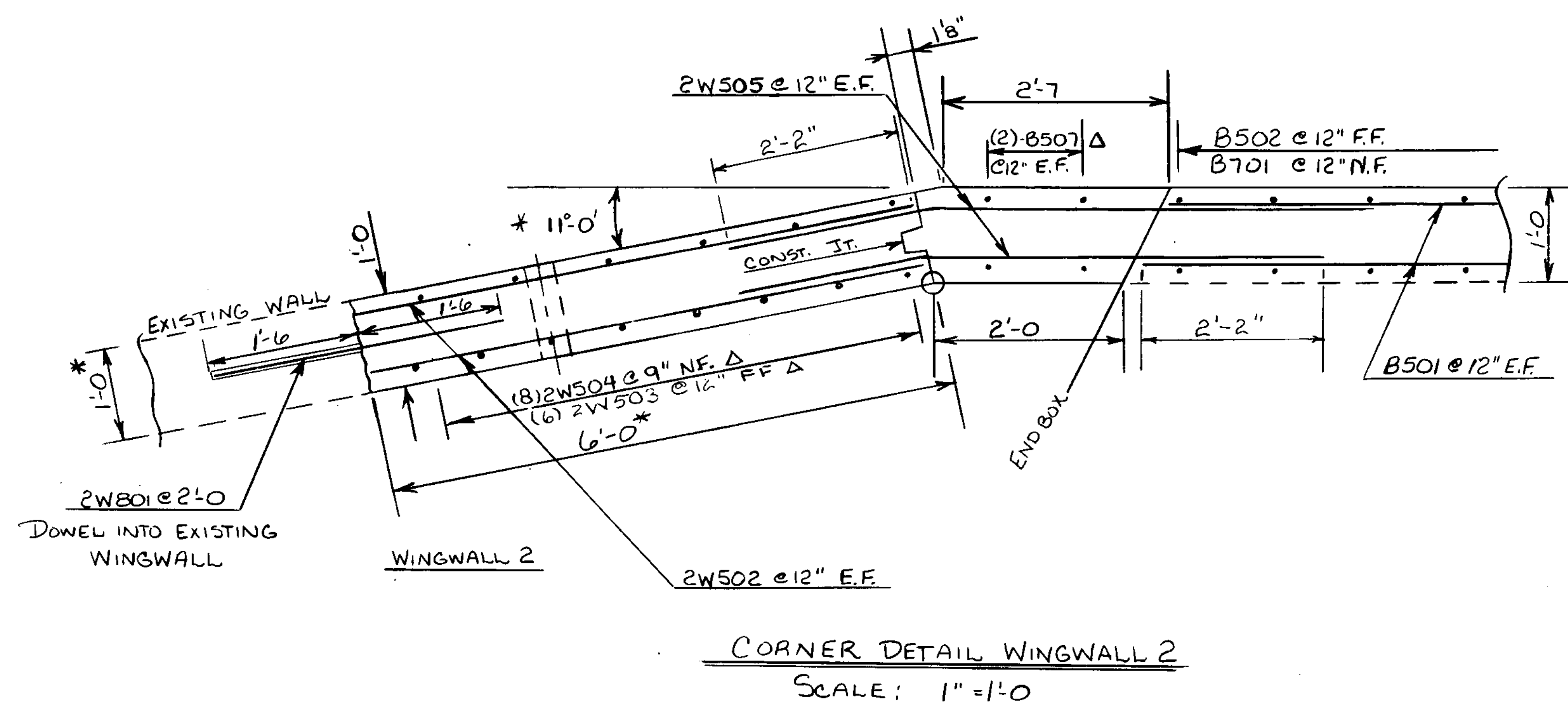
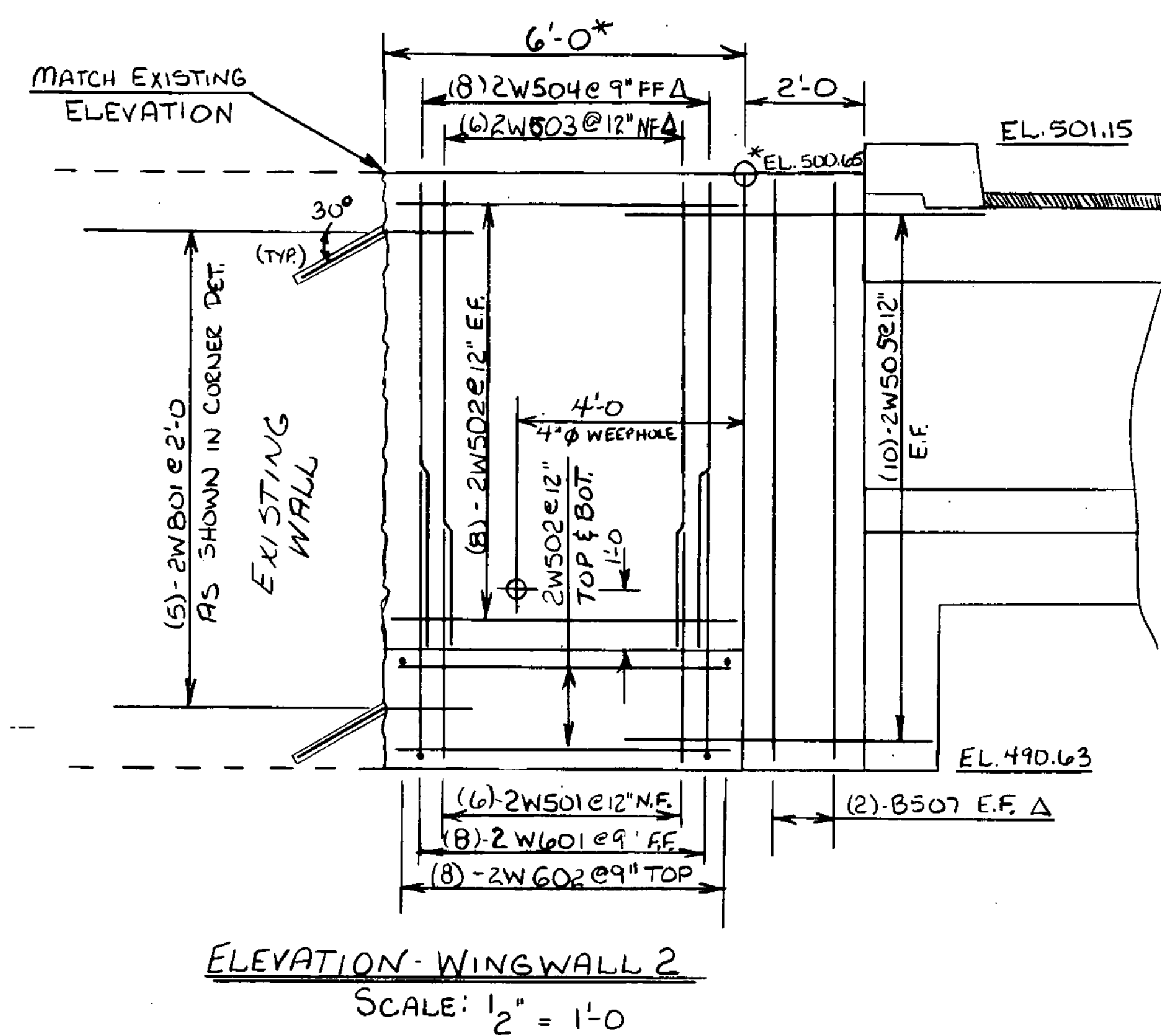
DRAINAGE AREA = 7.2 Sq. Miles
 $Q_{233} = 125$ cfs H.W. Elev. = 499.7
 $Q_{10} = 220$ cfs H.W. Elev. = 500.1
 $Q_{25} = 310$ cfs H.W. Elev. = 500.3
 $Q_{50} = 380$ cfs H.W. Elev. = 500.4
 $Q_{100} = 450$ cfs H.W. Elev. = 500.5
 Tailwater @ $Q_{50} = 6.4'$
 Velocity @ $Q_{50} = 6.3$ fps

NOTES

1. The existing superstructure, abutments and upstream wingwalls shall be removed under the item 'Removal of Structure'. Removal of Structure shall also include the removal of the downstream wingwalls to within 3' from new fascia at abutment 1 and within 7' of new fascia at abutment 2. As shown on this sheet.
2. The downstream retaining walls shall be retained beyond the point where removal of structure ends. New wingwalls 1 and 2 shall be attached to existing walls with drilled and grouted dowels. When joining new concrete to existing, the existing shall be coated with neat cement grout as specified in Section 501.12(b) and payment shall be subsidiary to Concrete, Class B.
3. Two-way traffic shall be maintained at all times, under the item 'Two-way Temporary Bridge'. The cost of all signs and barricades shall be included in the unit price bid for Two-way Temporary Bridge.
4. All existing elevations shall be verified in the field prior to commencement of construction.
5. Structure Excavation shall include all material within 1'-0" of the new structure, excluding the material to be removed under removal of structure.
6. See Sheet BR104 for additional notes.



STATE OF VERMONT	
AGENCY OF TRANSPORTATION	
TOWN OF HINESBURG	Bridge No. 27
HIGHWAY NO. VT. 116	Log Sta. 21+24.80
Surv. Sta. VT. 116 OVER PATRICK BROOK	
PLAN, ELEVATION & TYPICAL SECTION	
Designed by M. EVANS	Drawn by M. EVANS
Checked by J.A. HOLLAR date 8-1-84	Bridge Design Supervisor E.L. Ootley date 10-84
PROJECT HINESBURG	PROJECT NO. F021-1(8)S
Bridge Sheet No. BR101	Sheet 13 of 76



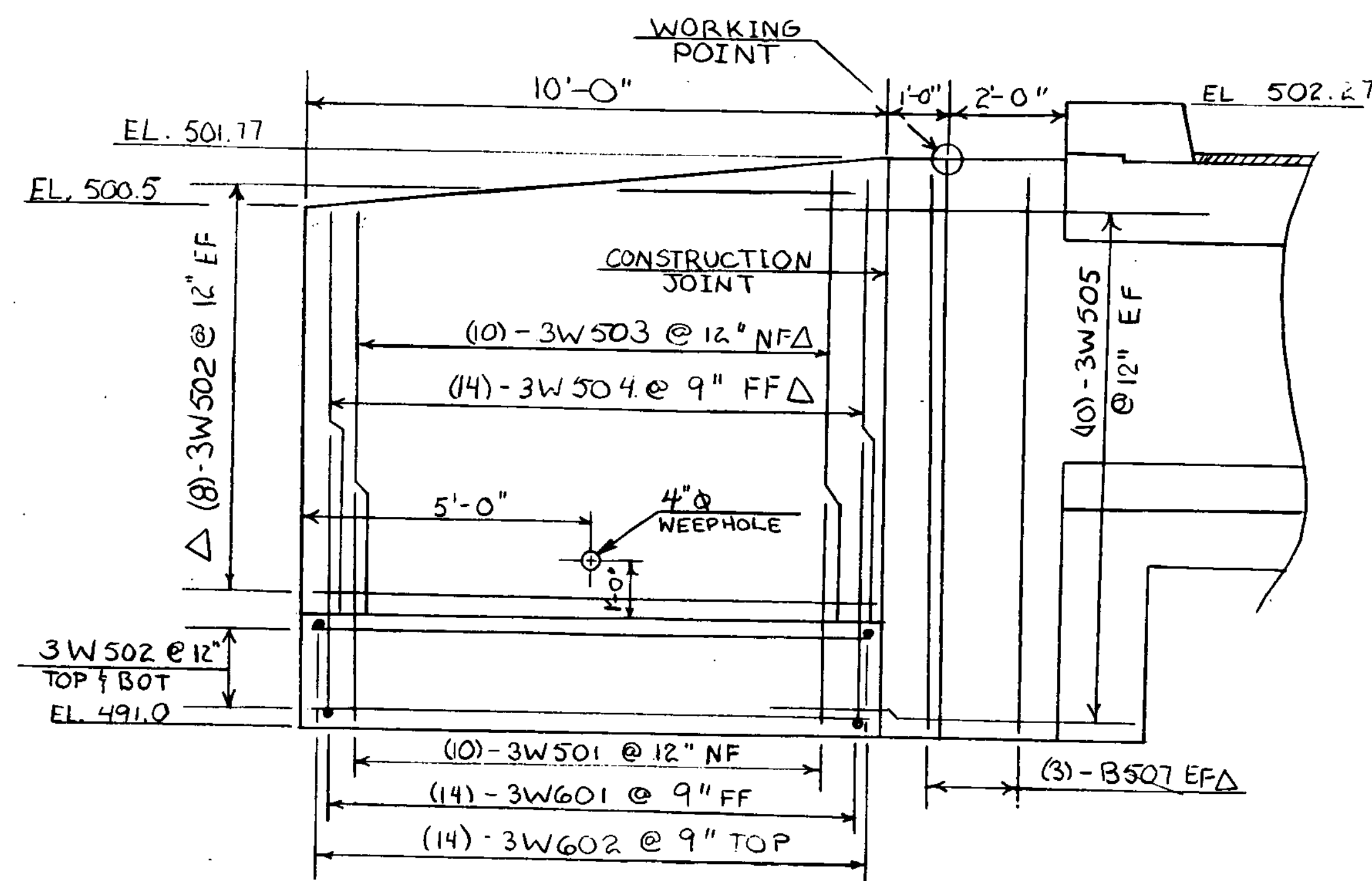
- ## NOTES

1. WATER REPELLENT SHALL BE APPLIED TO ALL EXPOSED AREAS OF THE STRUCTURE, EXCEPT THE BOX EXTERIOR.
2. THE BOTTOM SLAB OF THE BOX SHALL BE SCREEDED AND FLOATED.
3. ALL CONCRETE SHALL BE CONCRETE, CLASS B.
4. FOR ADDITIONAL GENERAL NOTES SEE STD. SCB-DI-75.
5. SEE STD. SB-R4A-82 FOR BRIDGE RAILING DETAILS.
6. SEE STD. SB-R4B-82 FOR APPROACH RAILING DETAILS.
7. SEE STD. SCB-D6-73 FOR CURB DETAILS, OMIT GRANITE CURB.
8. THERE SHALL BE A 72 HOUR MINIMUM WAITING PERIOD BETWEEN CONCRETE POURS ON OPPOSITE SIDES OF ANY CONSTRUCTION JOINT.

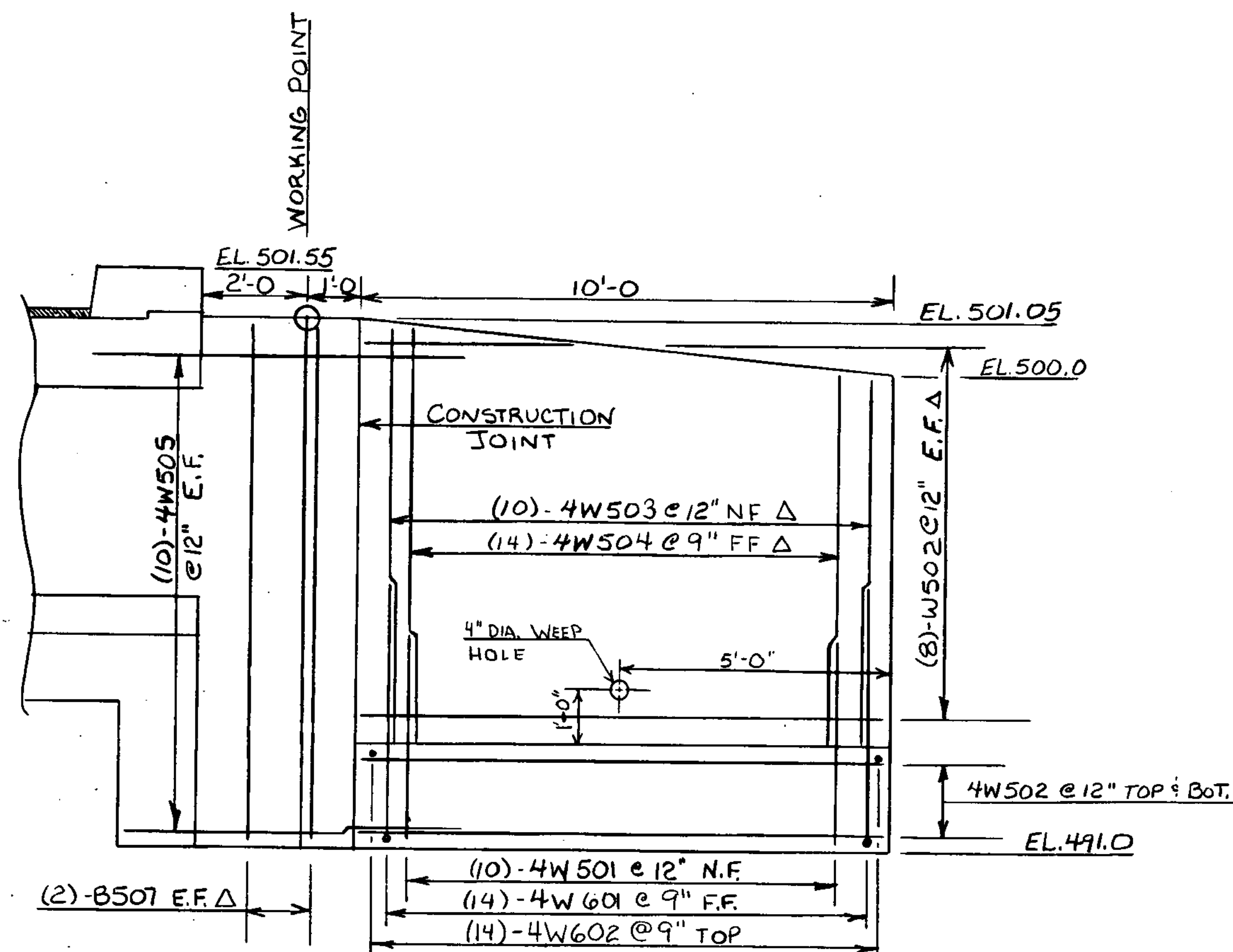
Δ CUT TO FIT IN FIELD

* ESTIMATED - ACTUAL DIMENSION
TO BE DETERMINED IN THE FIELD.

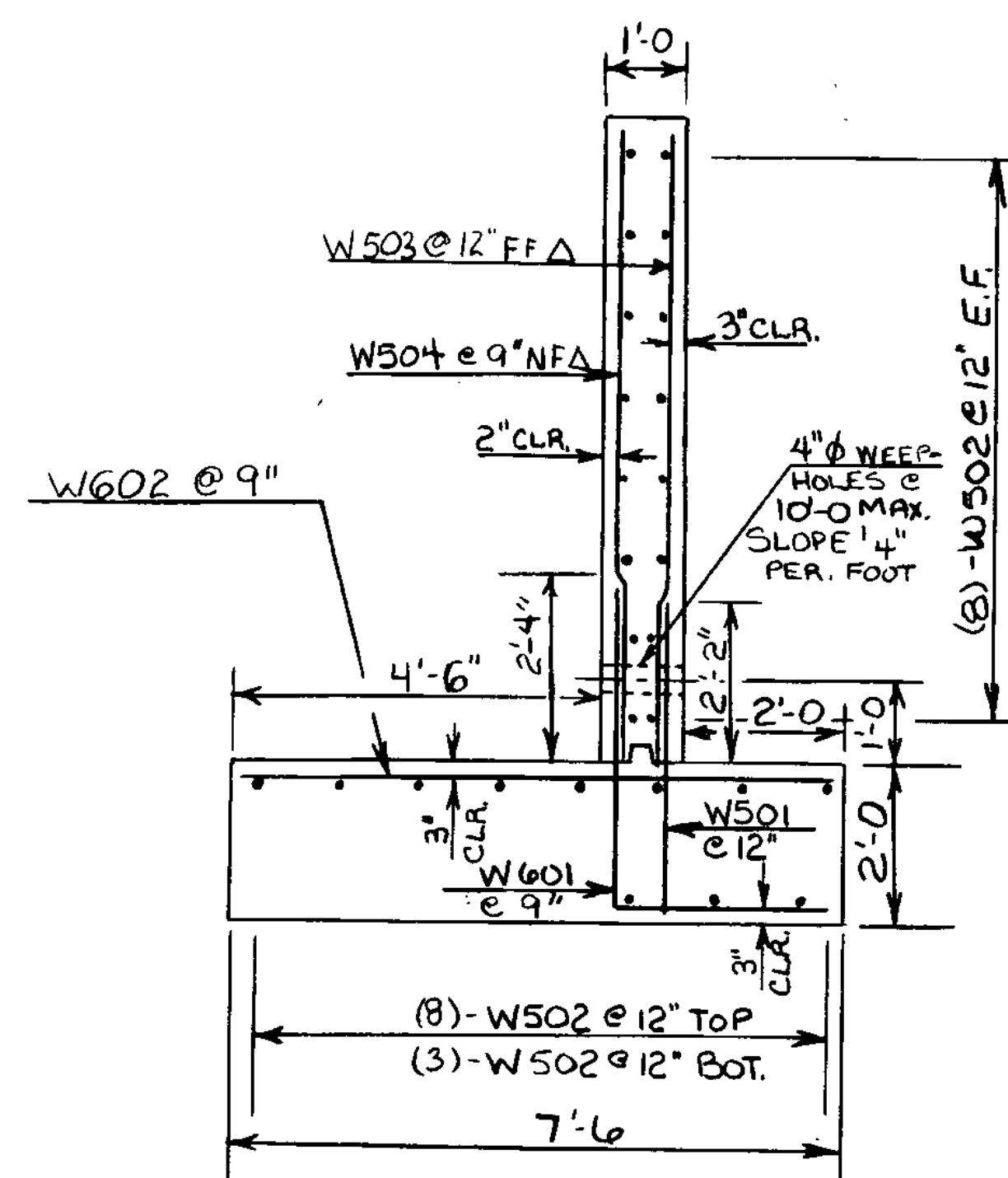
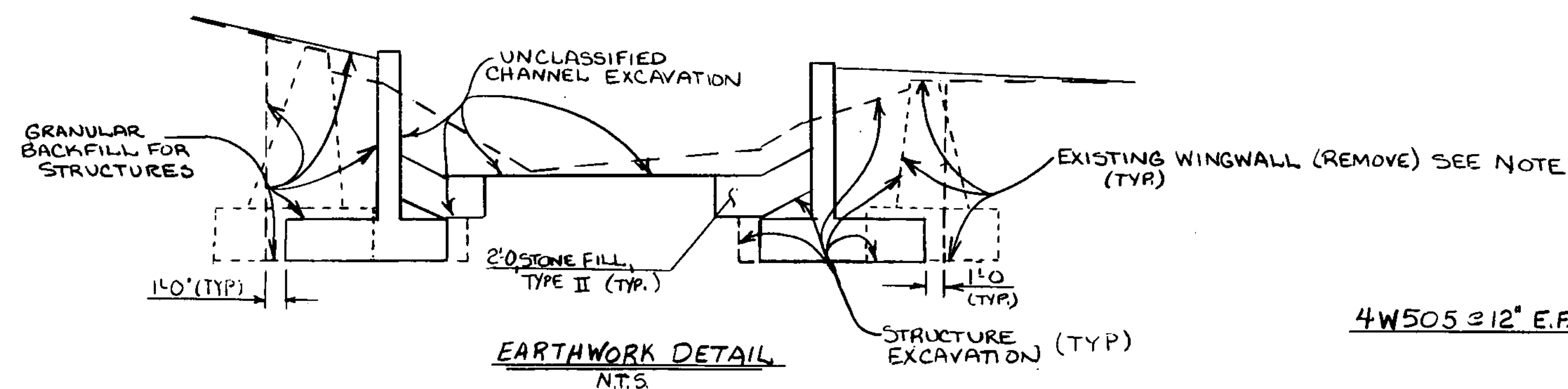
STATE OF VERMONT AGENCY OF TRANSPORTATION			
TOWN OF		Bridge No. 27	
HINESBURG		Log Sta. 21+24.80	
HIGHWAY NO.		Surr. Sta.	
VT 116			
VT. 116 OVER PATRICK BROOK			
WINGWALL 1 & 2 DETAILS			
Designed by M. EVANS		Drawn by M. EVANS	
Checked by J.A. HOLLAR		Bridge Design Supervisor	
date 9-6-84		R.L. Doolley date 10-84	
PROJECT		PROJECT NO.	
HINESBURG		F 021-(B)S	
Bridge Sheet No. BR 104		Sheet 16 of 76	



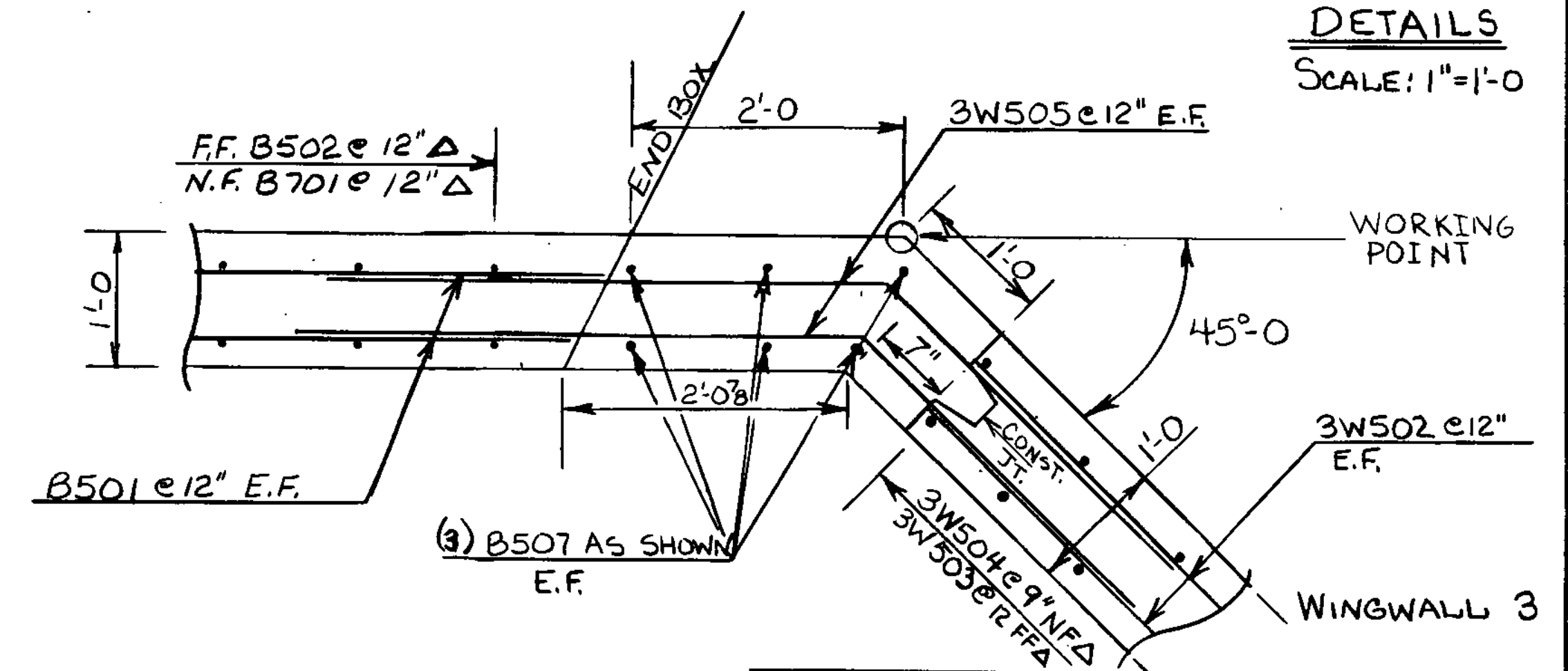
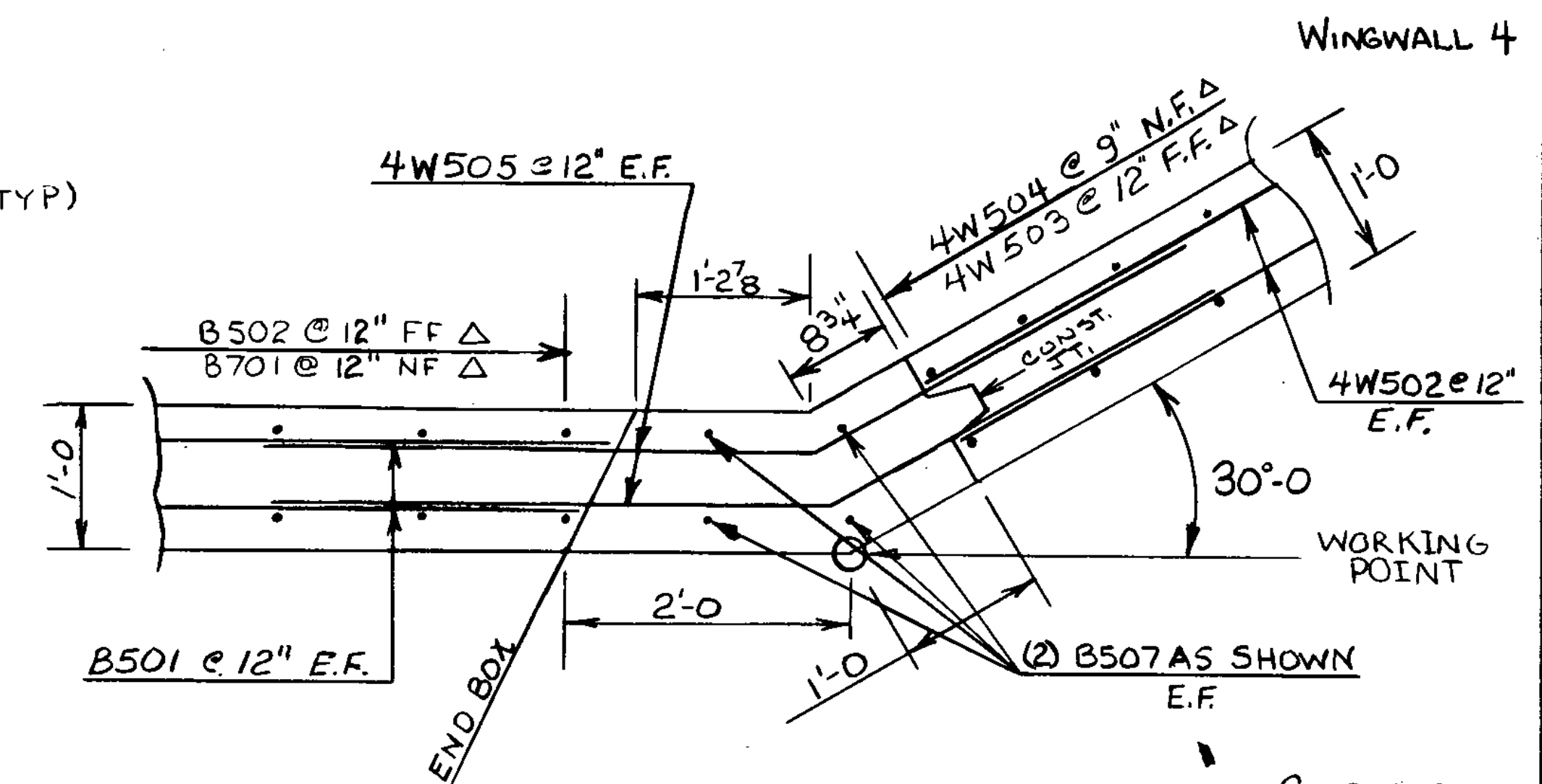
ELEVATION - WINGWALL 3
SCALE: 1/2" = 1'-0"



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



WINGWALL TYPICAL SECTION
SCALE: 1/2" = 1'-0"



Δ - CUT TO FIT IN FIELD

STATE OF VERMONT AGENCY OF TRANSPORTATION			
TOWN OF	HINESBURG	Bridge No.	27
HIGHWAY NO.	VT. 116	Log Sta.	21+24.80
		Surv. Sta.	
VT. 116 OVER PATRICK BROOK			
WINGWALL 3 & 4 DETAILS			
Designed by	M. EVANS	Drawn by	M. EVANS
Checked by	J. A. HOLLAND	Bridge Design Supervisor	R. L. OATLEY
PROJECT	HINESBURG	PROJECT NO.	F 021-1(8)5
Bridge Sheet No.	BR. 105	Sheet	17 of 76

ASTM STANDARD REINFORCING BARS				
BAR SIZE DESIG- NATION	WEIGHT POUNDS PER FOOT	NOMINAL DIMENSIONS ROUND SECTION		
		DIAMETER INCHES	CROSS 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

1. 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), GRADE 60.
2. 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."
3. BARS WHICH REQUIRE MORE ACCURATE BENDING THAN STANDARD PRACTICES SHOULD HAVE LIMITS INDICATED.
4. ALL DIMENSIONS ARE OUT TO OUT OF BAR EXCEPT "A" AND "G" ON STANDARD 180° AND 135° HOOKS.
5. "J" DIMENSION ON 180° HOOKS TO BE SHOWN ONLY WHERE NECESSARY TO RESTRICT HOOK SIZE. OTHERWISE STANDARD HOOKS ARE TO BE USED.
6. "H" DIMENSION ON STIRRUPS TO BE SHOWN ONLY WHEN NECESSARY TO MAINTAIN CLEARANCES.
7. WHERE SLOPE DIFFERS FROM 45° DIMENSIONS "H" AND "K" MUST BE SHOWN

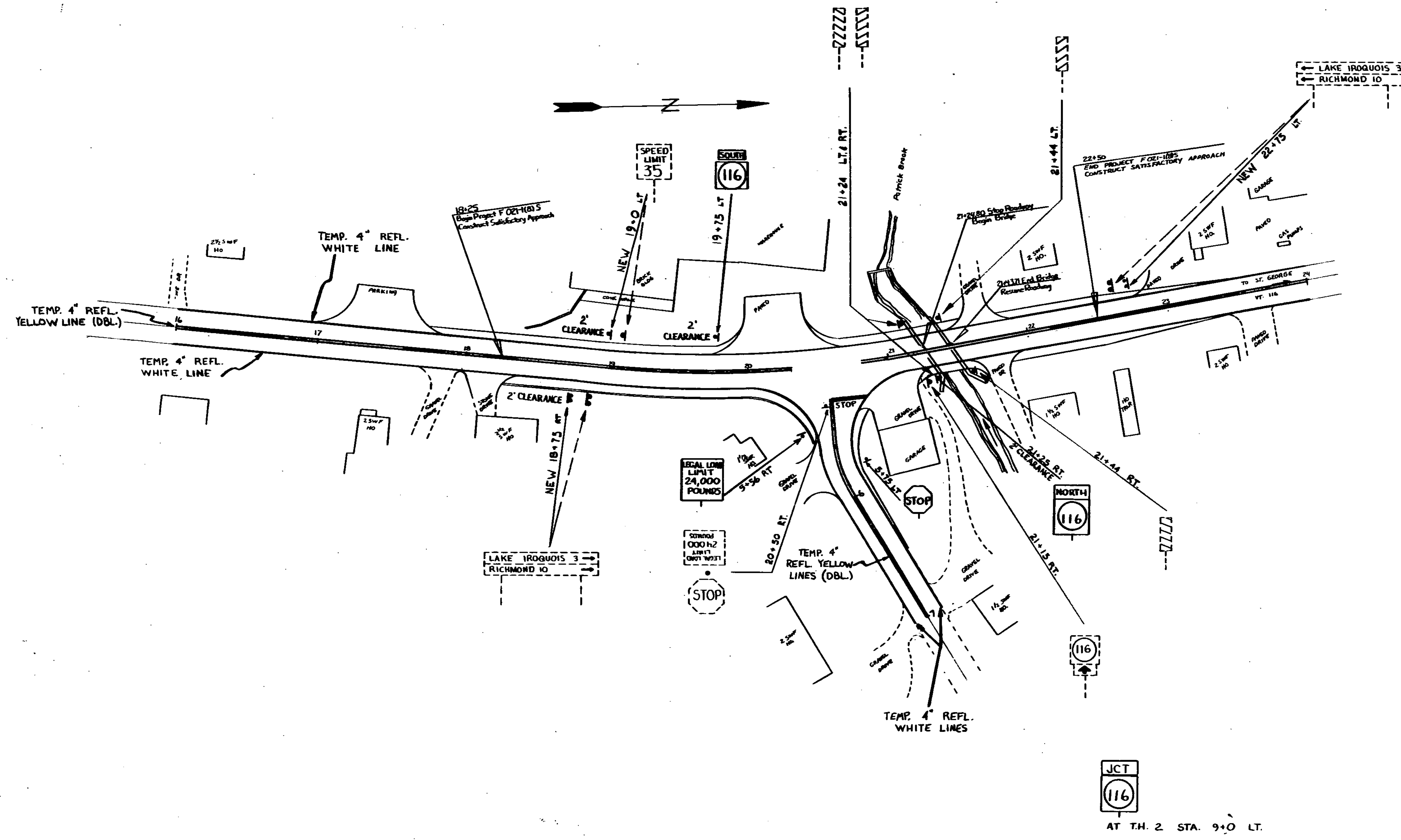
* DENOTES ONE EXTRA BAR ADDED FOR TESTING PURPOSES.

REV. NO.	MADE BY	DATE	DESCRIPTION

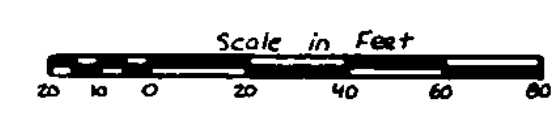
STATE OF VERMONT AGENCY OF TRANSPORTATION	
TOWN OF HINESBURG	BRIDGE NO. 27
HIGHWAY NO. V.T. 116	LOG STA. 21+24.80
	SURV. STA.
VT. 116 OVER PATRICK BROOK	
REINFORCING STEEL SCHEDULE	
DESIGNED BY M. EVANS	DRAWN BY K. BLUMQUIST
CHECKED BY J. H. HOLLAND	BRIDGE DESIGN SUPERVISOR R. L. OATLEY
DATE 9-6-67	DATE 10-9-67
PROJECT HINESBURG	PROJECT NO. F021-1(18)S
BRIDGE SHEET NO. BR106 SHEET 18 OF 76	

TEMPORARY 4" REFLECTORIZED WHITE LINES
 16+0 ~ 24+0, 12' LT.
 16+0 ~ 20+0, 12' RT.
 20+0, 12' RT. ~ T.H. 2 5+64 11' RT (RADIUS)
 T.H. 2 5+64 ~ 7+0, 11' RT.
 T.H. 2 5+64 ~ 7+0, 11' LT.
 T.H. 2 5+64, 11' LT. ~ 21+15, 12' RT (RADIUS)
 21+15 ~ 24+0, 12' RT.

TEMPORARY 4" REFLECTORIZED YELLOW LINES
 16+0 ~ 20+30 (DBL.)
 20+80 ~ 24+0 (DBL.)
 T.H. 2 5+30 ~ 7+0 (DBL.)
DURABLE 24" STOP BARS
 T.H. 2 5+30 ~ 5+32, LT.
DURABLE LETTER IN WORD MARKING
 T.H. 2 5+36 ~ 5+44, 3'-10' LT.



LEGEND
 [---] EXISTING SIGNS TO BE REMOVED



DATUM
 VERTICAL _____
 HORIZONTAL _____

SURVEYED BY MOREAU DATE 7/19/80
 DRAWN BY HODGE DATE 10/19/80
 TRACED BY C.D.B. DATE 12/84
HINESBURG
 PROJ. F NO. 021-1(8) S
 SHEET 19 OF 76

TRAFFIC SIGN SUMMARY SHEET-TYPE A SIGNS.

MILEMARKER, STATION OR SIGN NUMBER	LEGEND	TYPE	SIGN DIMENSIONS	EXISTING SIGNS TO BE SALVAGED		NEW AND SALVAGED SIGNS (S.F.)				EXISTING POSTS			NEW POSTS								REMARKS	FOR SIGN DETAIL SEE SHEET OR STANDARD SHEET NUMBER	
				REMOVE (EA)	RETAIN (X)	NEW "A"	SALVAGED "A"	NEW "B"	SALV. "B"	RETAIN	DRILL	REMOVE	NUMBER OF POSTS	TYPE "A" (FLANGED CHANNEL)			TYPE "C" (ALUMINUM)						TYPE "B" BR'KAWAY STEEL
														2.0 LB./FT.	2.5 LB./FT.	3.0 LB./FT.	3" Ø	3" □	4" Ø MOD.	4" Ø			
OLD STA. / NEW STA.																							
18+95 Rt. / 18+75 Rt.		A	72" x 10"	1		5						X	2			X						E-23	
19+05 Lt. / 19+0 Lt.		A	24" x 30"	1		5						X	1	X								E-23	
19+75 Lt.		A	2' x 1'			2							1		X							E-13	
20+50 Rt.	 	A	30" x 30"	1								X										E-13	
TH. 2 5+36 / TH. 2 5+75		A	30" x 30"			4							1	X								E-15A	
21+15 Rt.		A	30" x 24"	1		6.3							1		X							E-15C	
21+24 Rt.		A	24" x 15"	1								X											
21+24 Lt.		A	1' x 3'	1								X											
21+25 Rt.		A	2' x 1'			2							1		X							E-13	
21+44 Rt. / 21+44 Lt.		A	30" x 24"			5																E-13	
TH. 2 9+0 / 22+70 Lt.		A	1' x 3'	1								X											
22+75 Lt.		A	21" x 15"			2.2							1		X							E-13	
		A	30" x 24"			5																E-13	
		A	72" x 10"	1		5						X	2		X							E-23	
		A	72" x 10"	1		5																E-23	
TOTALS				13		56.5							11										
POST LENGTHS ARE APPROXIMATE. FINAL LENGTHS TO BE DETERMINED IN THE FIELD IF FINAL LENGTHS VARY BY MORE THAN 2 FEET, RECOMPUTE THE POST SIZE BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS.																					PREPARED BY C.D.B. DATE 12-84 CHECKED BY _____ DATE _____ HINESBURG PROJ. F NO. 021-1(8)5 SHEET 20 OF 76		

POST LENGTHS ARE APPROXIMATE. FINAL LENGTHS TO BE DETERMINED IN THE FIELD IF FINAL LENGTHS VARY BY MORE THAN 2 FEET, RECOMPUTE THE POST SIZE BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS.

PREPARED BY C.D.B. DATE 12-84
 CHECKED BY DATE
 HINESBURG
 PROJ. F NO. 021-1(8)5
 SHEET 20 OF 76

COMPOSITE SHEET - TRAFFIC SIGN SUMMARY - TRAFFIC ITEM SUMMARY - NOTES AND DETAILS

TRAFFIC SIGN SUMMARY

[illegible]

TRAFFIC ITEM SUMMARY

ITEM NUMBER	ITEM	UNIT	SUB TOTAL	ROUNDING	TOTAL
646.35	TEMPORARY 4" REFLECTORIZED WHITE LINE	L.F.	1900	-	1900
646.36	TEMPORARY 4" REFLECTORIZED YELLOW LINE	L.F.	1840	-	1840
646.64	DURABLE 24" STOP BAR	L.F.	26	-	26
646.66	DURABLE LETTER IN WORD MARKINGS	EA.	4	-	4
675.20	TRAFFIC SIGNS TYPE "A"	S.F.	56.5	0.5	57
675.35	TRAFFIC SIGN POSTS,, TYPE "A"	LB.	350	-	350
675.53	REMOVING SIGNS	EA.	13	-	13

NOTES AND DETAILS

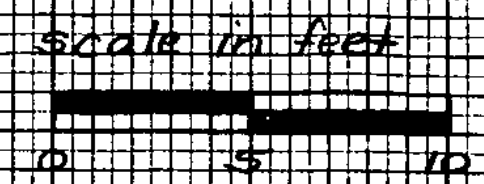
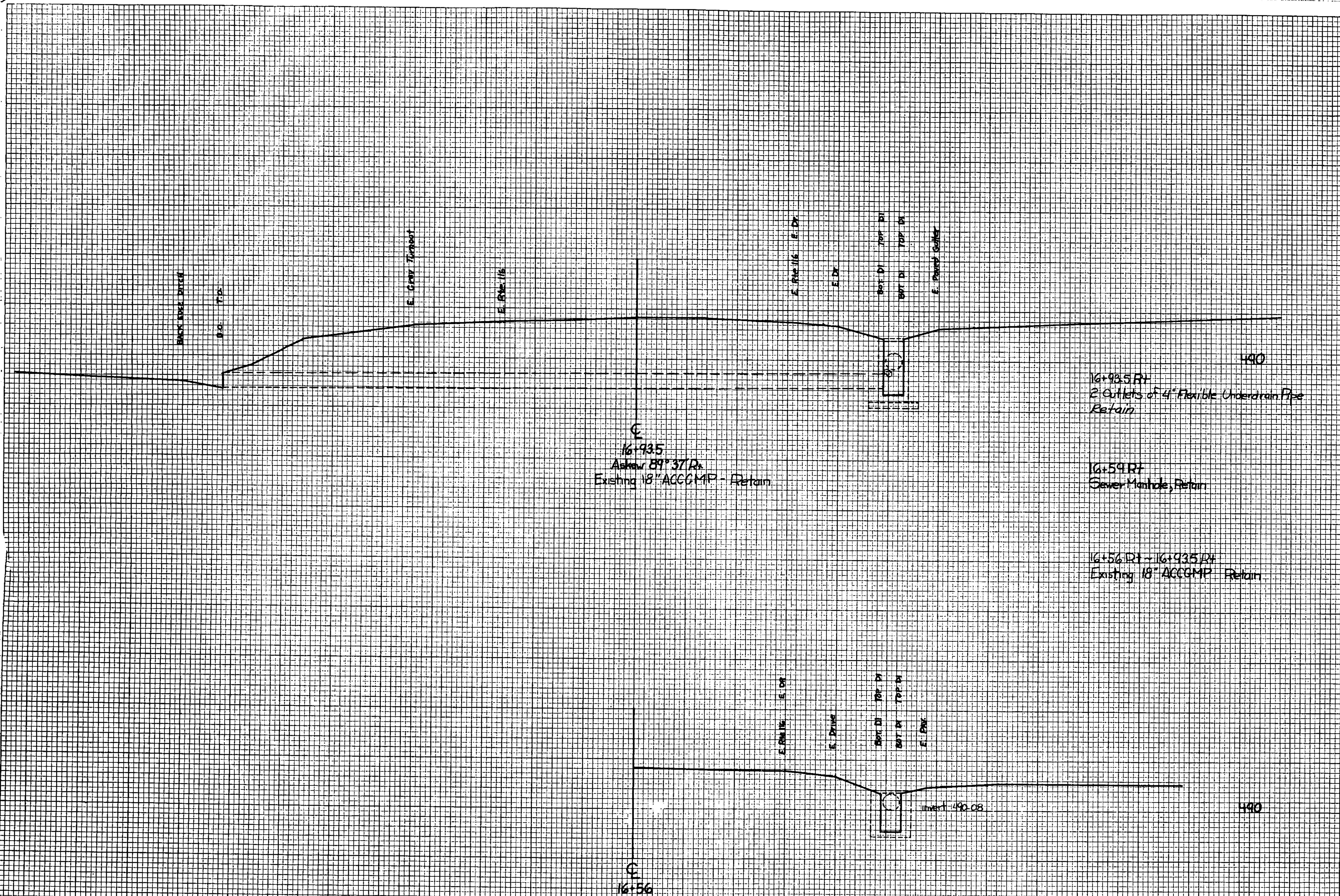
PAVEMENT MARKING NOTES-

TEMPORARY CENTERLINE MARKINGS SHALL BE APPLIED ON EACH PAVEMENT COURSE, EDGE LINES NEED ONLY BE APPLIED ON THE FINAL PAVEMENT COURSE.

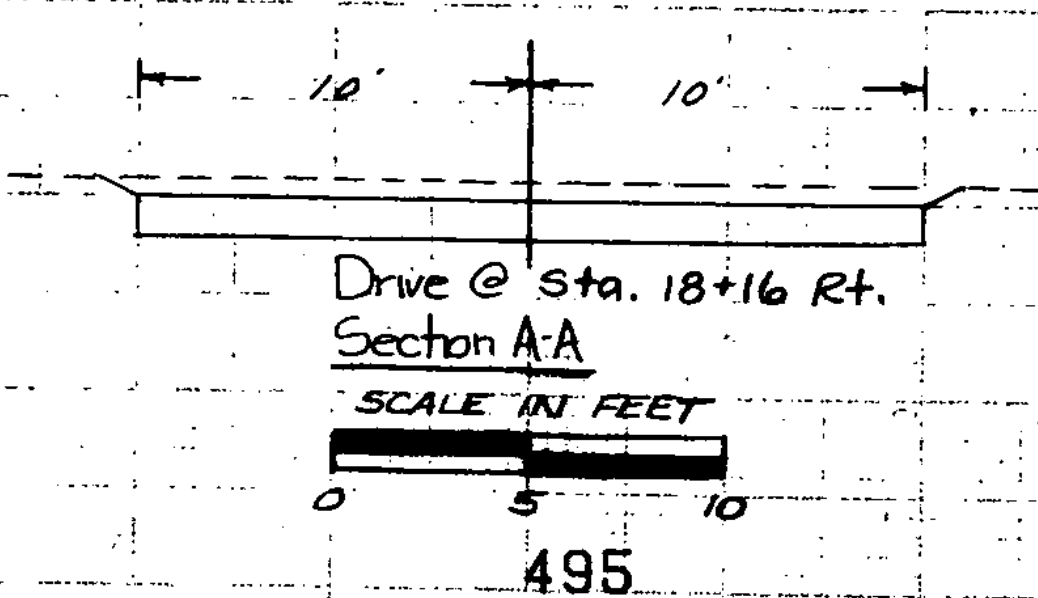
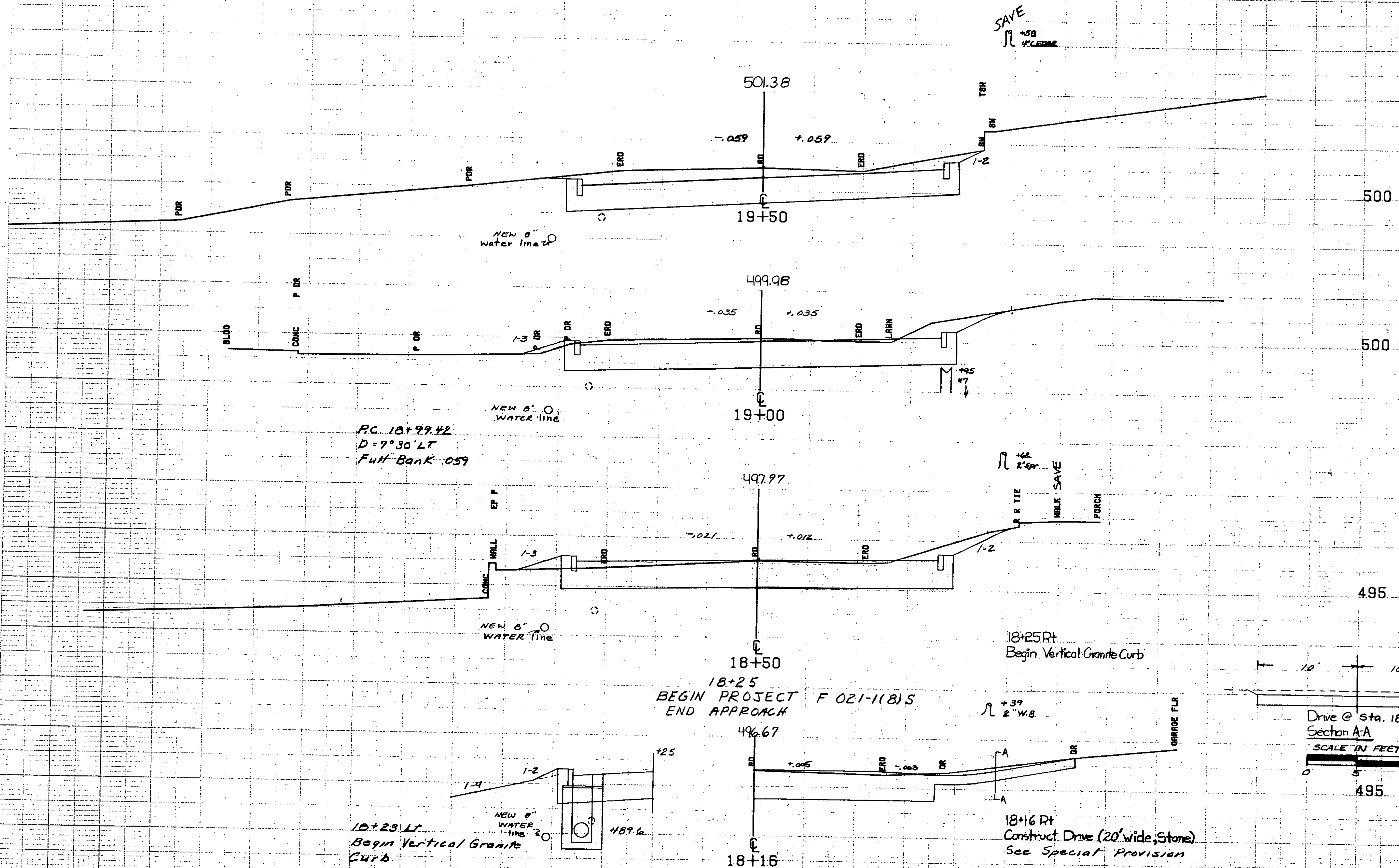
SURVEYED BY _____ DATE _____
DRAWN BY _____ DATE _____
TRACED BY _____ DATE _____

HINESBURG

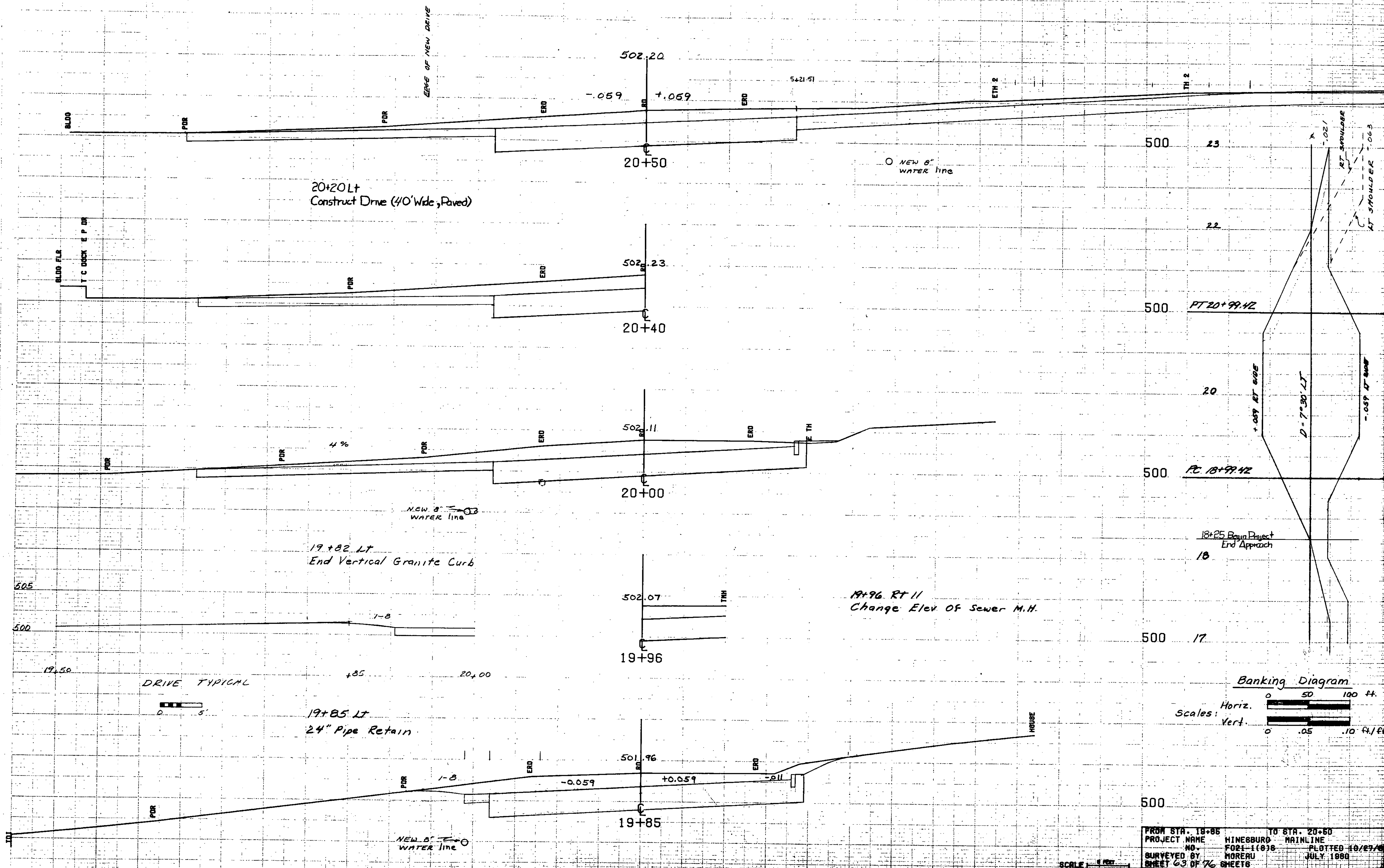
PROJ. F NO. 021 - 1(8) S
SHEET 21 OF 76



From Sta 16+56 to Sta 16+93.5
 Project Name - Lilesburg Mainline
 No. F-021-1(0)5 Plotted 7-6-83
 Surveyed by Fall June 83
 Sheet 60 of 76 Sheets



FROM STA. 18+16	TO STA. 19+50
PROJECT NAME	HINESBURD MAINLINE
NO.	F021-1(18)S
SURVEYED BY	MOOREAU
DATE	JULY 1968
SHEET 102 OF 76 SHEETS	



21+48.5 LT ~ 21+58 LT
Guard Rail, Standard Steel Beam
w/ Steel Post Type II

21+36 LT ~ 21+48.5 LT
Guard Rail Approach Section Type II

21+03 LT ~ 21+15.5 LT
Guard Rail Approach
Section Type II

R+35
1" FLOWERING CRAB TREE SAVE OR TRANSPLANT
AS DIRECTED BY THE ENGINEER

20+91 LT ~ 21+03 LT
Guard Rail, Standard Steel
Beam w/ Steel Posts Type II

20+42 LT ~ 21+12 LT
Area To Be Paved For Fire Dept. Use

PT 20+99.42
D=7° 30' LT
Full Bank 0.059' ft/ft

21+00
M/L POC 20+56.00 =
REV TR#2 P.O.T. 5+03.51

20+30 LT
Existing 30" Pipe - Retain

21+52.5 RT ~ 21+64 RT
Guard Rail Approach Section Type II
(w/ G-1d Anchor)

21+21 RT ~ 21+32.5 RT
Guard Rail Approach
Section Type II

21+21 RT ~ 21+34 RT
Guard Rail, Standard Steel Beam
w/ Steel Posts, Type II

STAND PIPE FOR
USE BY FIRE DEPT.

AREA TO BE PAVED
FOR FIRE DEPT. USE

PAINTED EDGE
LINE

Guard Rail Detail

0 20 40
Scale in Feet

500

21+00 RT
Construct Drive (35' wide)

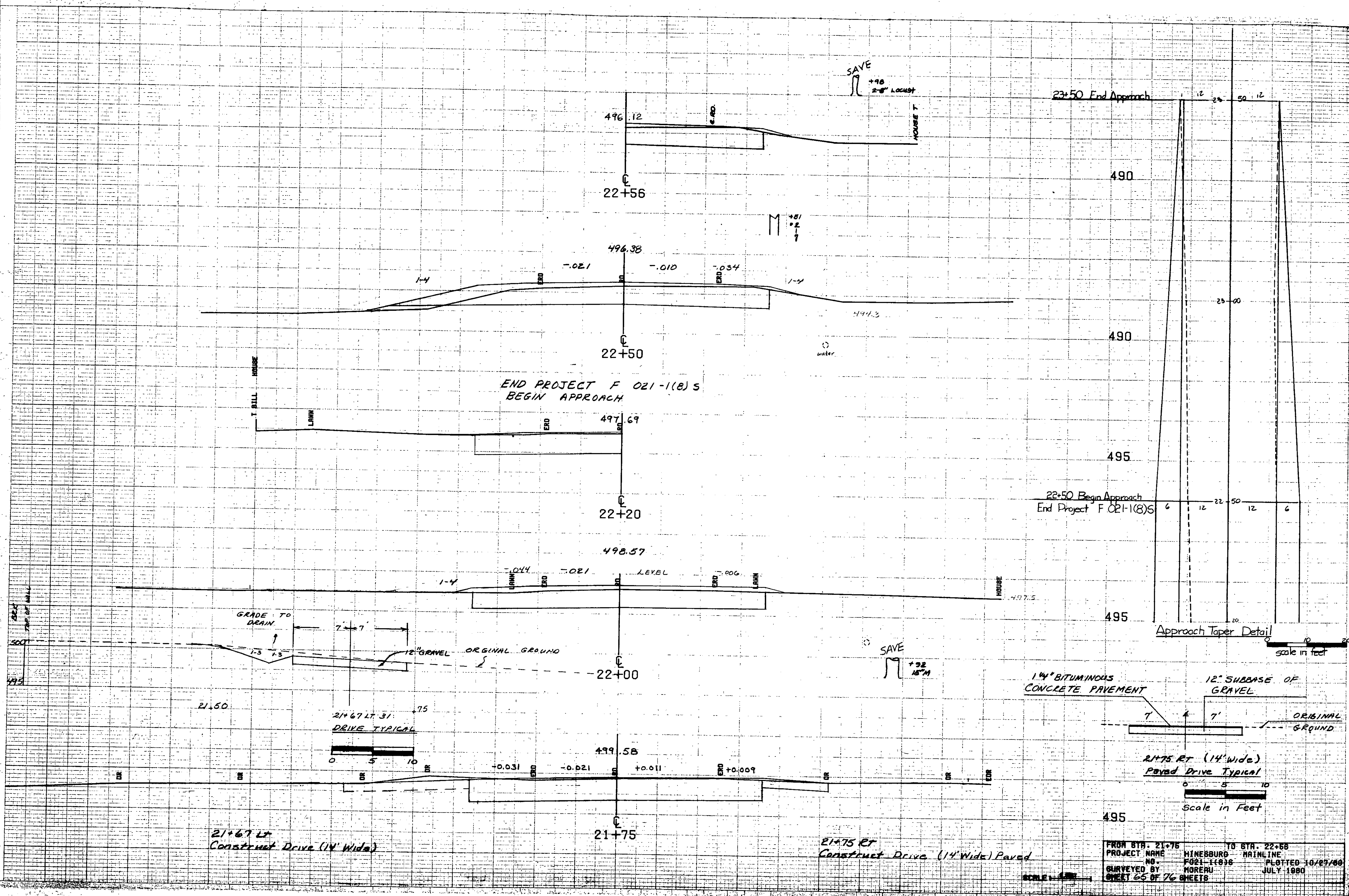
20+60 RT ~ 23+50 RT
Existing Water Main - Do Not Disturb

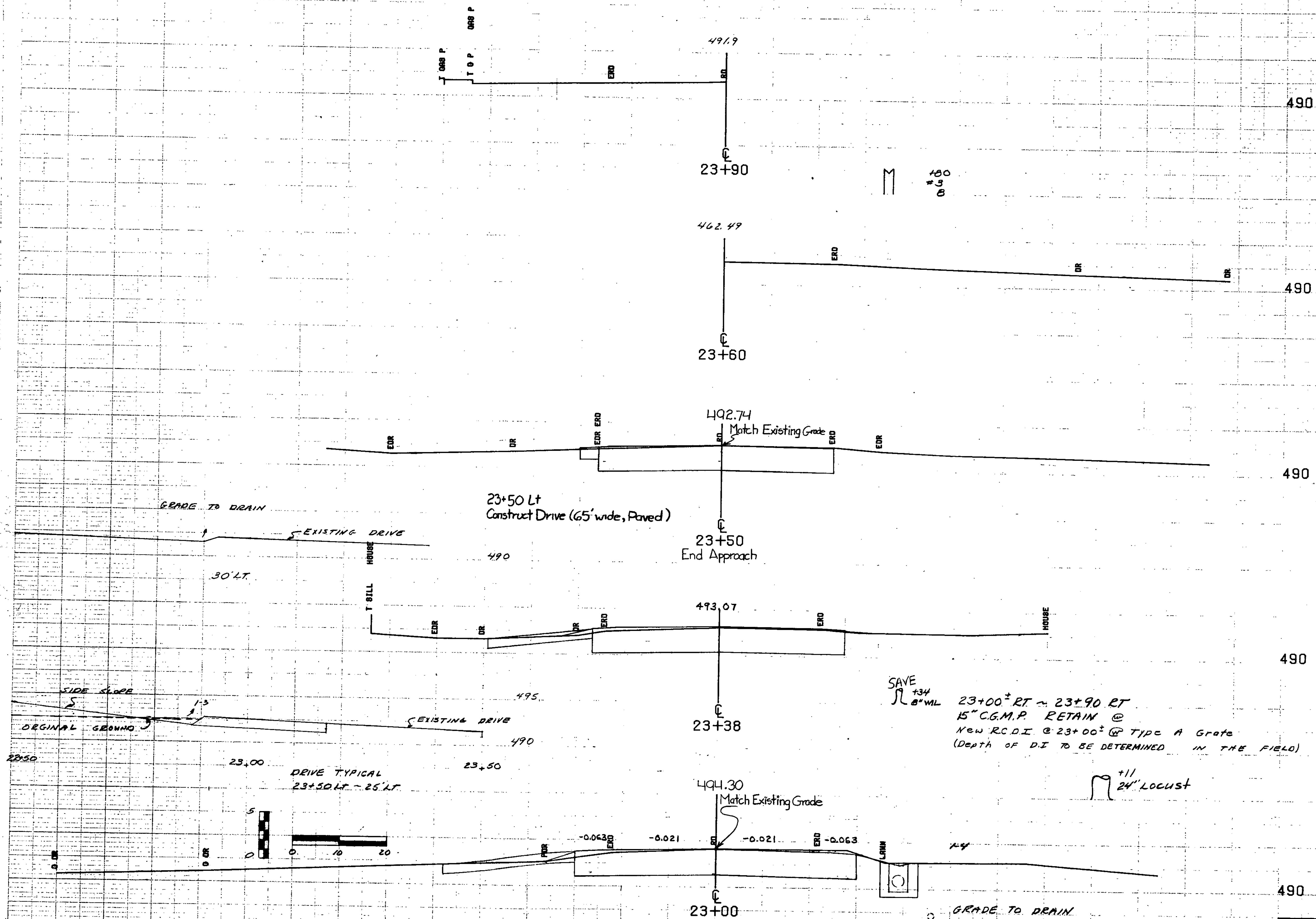
20+59 RT 39
Adjust Elev. of Valve Box

20+56 RT
Construct Approach (TH#2)

500

FROM STA. 20+55	TO STA. 21+60
PROJECT NAME	HINESBURG MAINLINE
NO.	POB-11076
SURVEYED BY	MOREAU
SHEET 64 OF 76	SHEETS
	PLOTTED 10/27/88
	JULY 1989





SAVE
+34
8" W/L
23+00⁺ RT ~ 23+90 RT
15" C.G.M.P. RETAIN @
New R.C.D.I. @ 23+00⁺ @ Type A Grate
(Depth of D.I. to be determined in the field)

+11
24" Locust

SCALE 1" = 40'

FROM STA. 23+00	TO STA. 23+90
PROJECT NAME	HINEBURD MAINLINE
NO.	F021-1(036)
SURVEYED BY	MOREAU
SHEET 66 OF 76	SHEETS
	PLOTTED 10/27/00
	JULY 1980

505.55

5.51'

Rev 5+64.20

5+65 See Rev 5+64.20 on Sheet 68 of 76 Sheets
 & Rev 5+76 on Sheet 69 of 76 Sheets

5+73 ET.

505

DRIVE TYPICAL

0 5 10

Scale in Feet

504.81'

11.03'

Rev 5+51.00

5+53 See Rev 5+64.20 on Sheet 68 of 76 Sheets

500

504.63

11'

exist. water line
 NEW 8" WATER line

Rev. 2
 5+47.70

5+50 See Rev 5+47.70 on Sheet 68 of 76 Sheets

505

1 1/4" BITUMINOUS CONCRETE PAVEMENT

18" SUBBASE OF GRAVEL

TH #2 TYPICAL SECTION DETAIL

0 5 10

Scale

503.19

23.89'

Rev 5+20.19

exist. water line
 NEW 8" WATER line

5+25 See Rev 5+21.51 on Sheet 68 of 76 Sheets

500

PORCH

17+00 LT - TH #2 5+00 LT
 Install Water Line

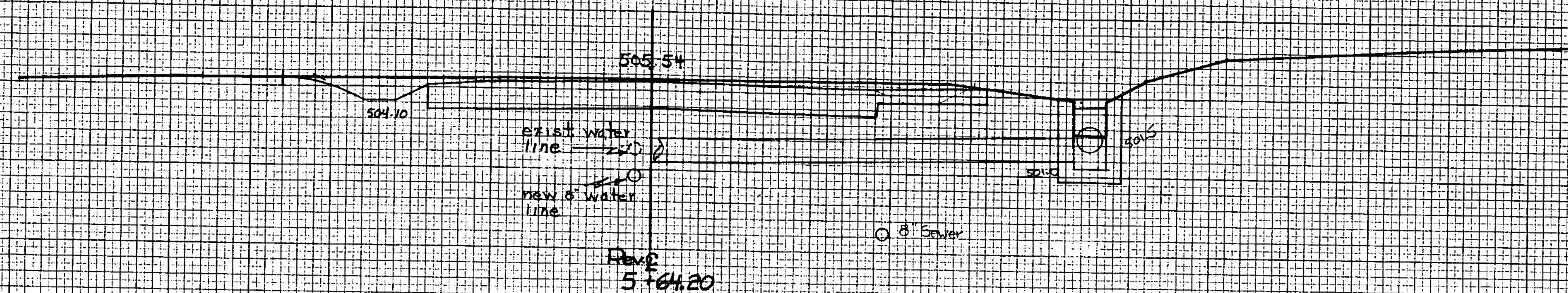
NEW 8" WATER line

5+00

500

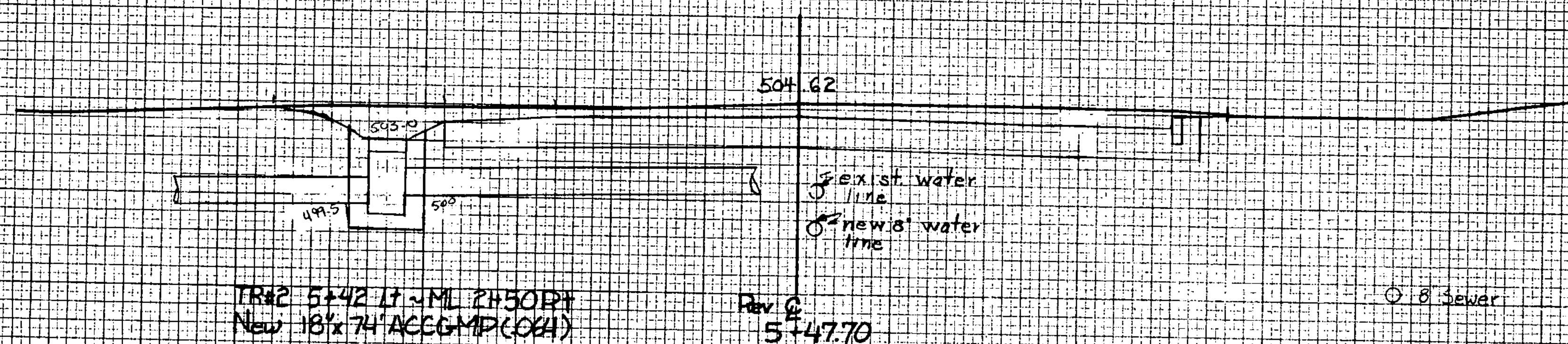
Town Highway #2			
FROM STA. 5+00	TO STA. 5+65		
PROJECT NAME	HINEBURG TH2		
NO.	F021-1(8)38	PLOTTED	10/27/89
SURVEYED BY	MOREAU	JULY	1990
SHEET 67 OF 76 SHEETS			

SCALE 1"=40'



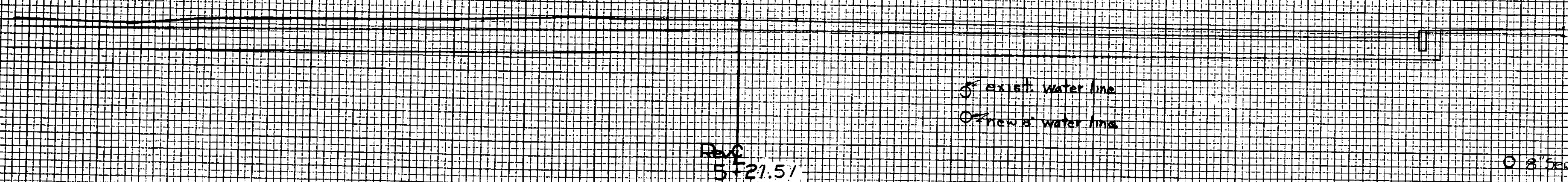
TR#2 5+42.17 ~ TR#2 5+64.20 RT
New 18"x48" ACCGMP (OG4)

TR#2 5+59 RT
End Vertical Granite Curb

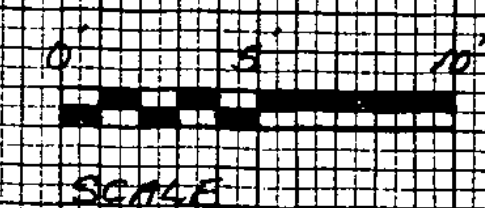


TR#2 5+42.17 ~ ML 2+50 RT
New 18"x74" ACCGMP (OG4)

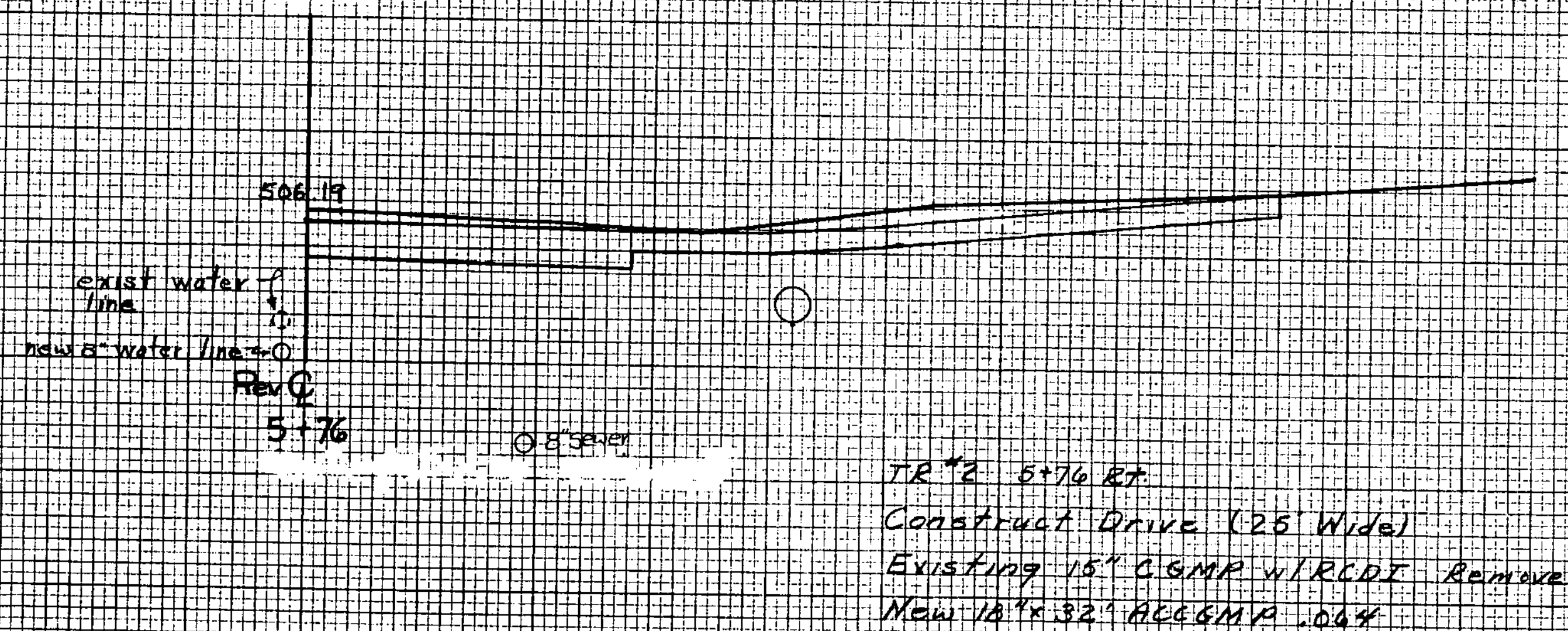
Rev C
5+47.70



Rev C
5+21.51



TR#2
500
Hinesburg F021-035
Sheet 68 of 76

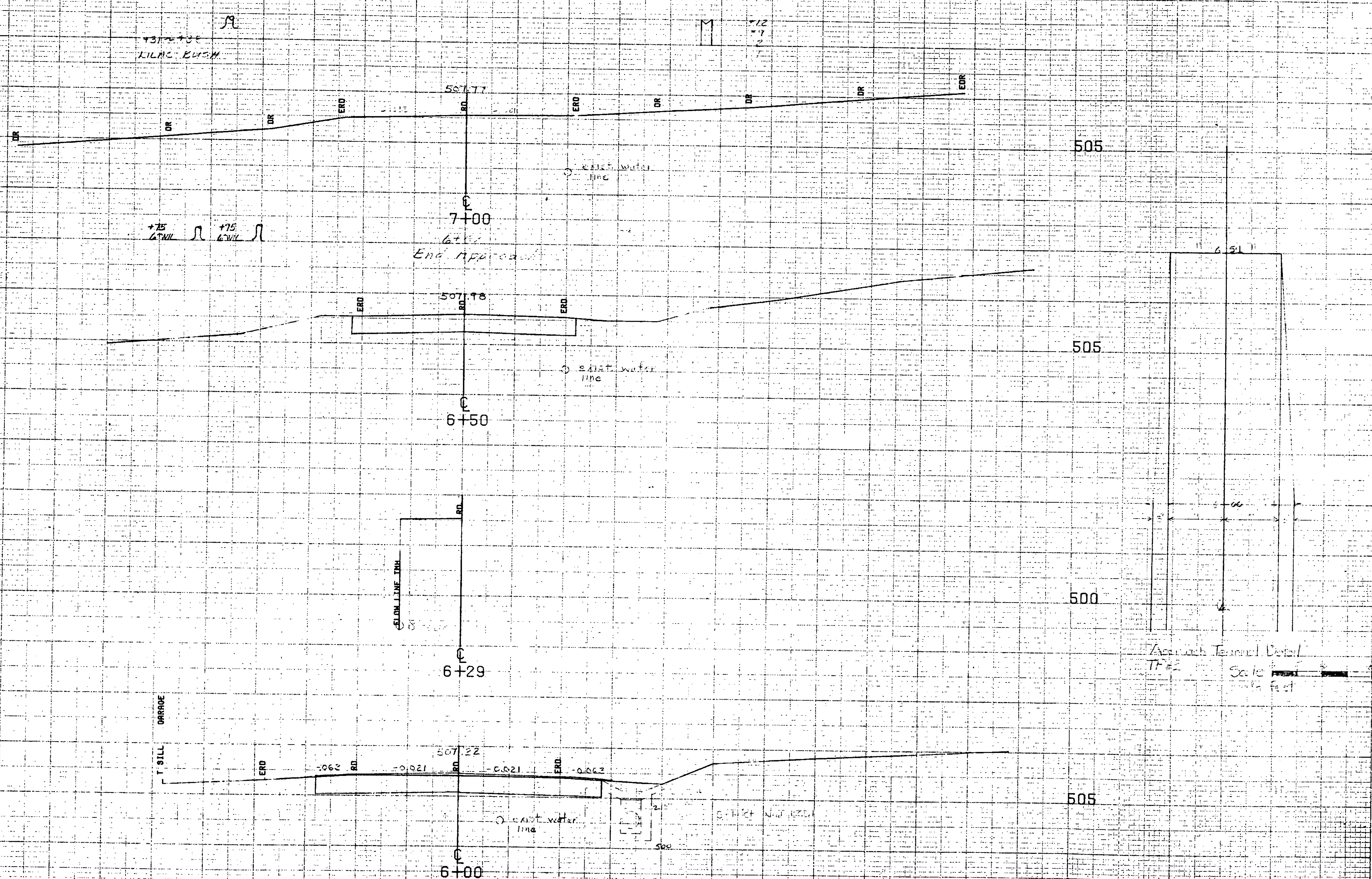


505



Hinesburg East (B) S

Sheet 69 of 76



FROM STA. 6+00 TO STA. 7+00
 PROJECT NAME HINEBURD TH2
 NO. F021-1(8)6 PLOTTED 10/27/80
 SURVEYED BY MOREAU JULY 1980
 SHEET 20 OF 76 SHEETS

SCALE 1" = 40'

782
 BEGIN HEDGE - SIVE
 END 10' HIGH HEDGE - SIVE

Chan B
 90+75

485.7

485

150 BEGIN
 10' HIGH
 HEDGE - SIVE

Chan B
 90+50

486.4

485

R
 4' HIGH
 SIVE

Chan B
 90+41.6

486.6

485

CHAN 90+39.87 ~ 92+00.00
 Unclassified Channel Excavation w/
 Stone Fill Type I

Chan B
 90+33

480

Chan B
 90+25

480

Chan B
 92+00

483.7

485

Chan B
 91+50

484.4

485

Chan B
 91+25

484.9

485

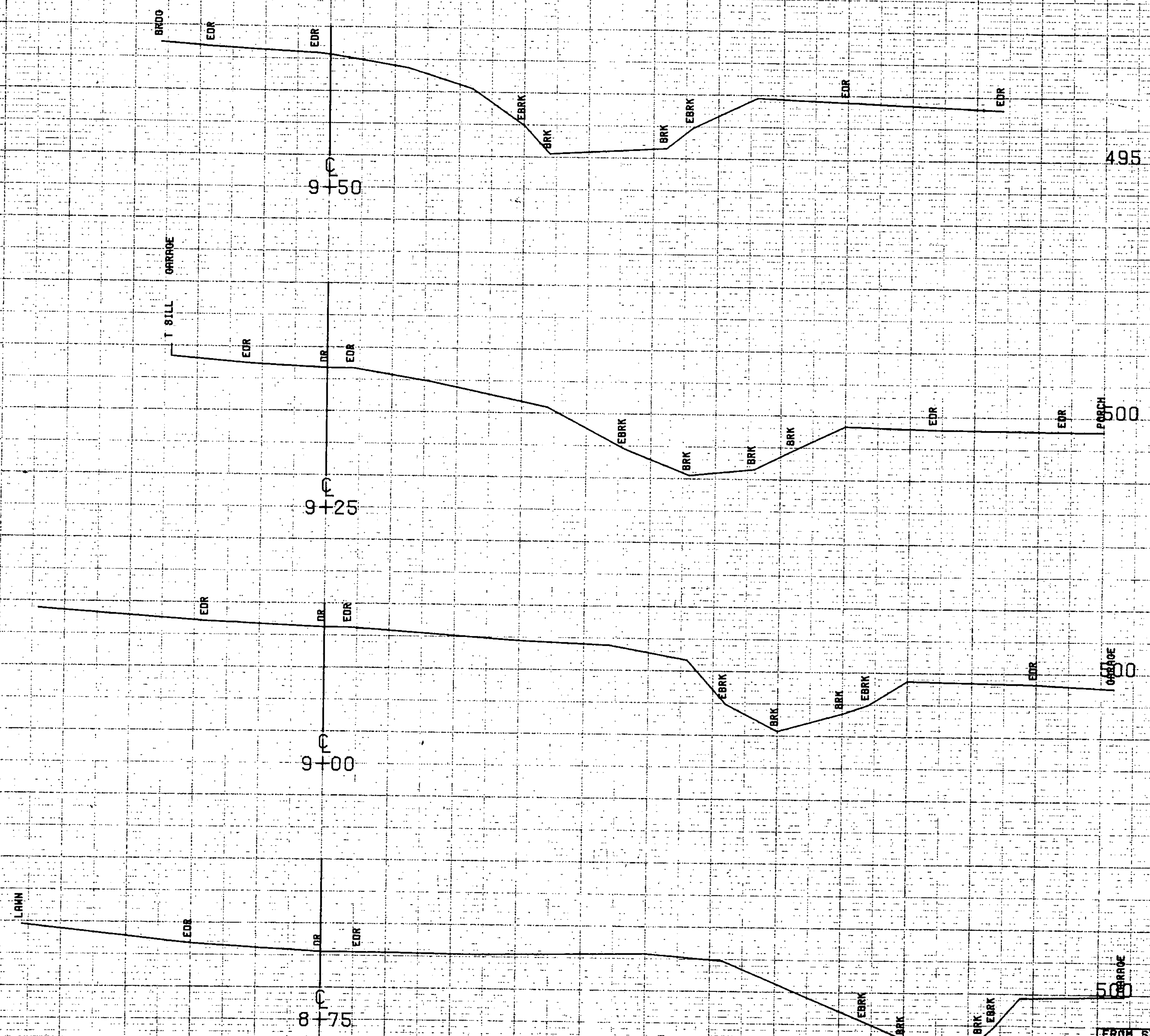
Chan B
 91+00

485.4

485

Scale in feet

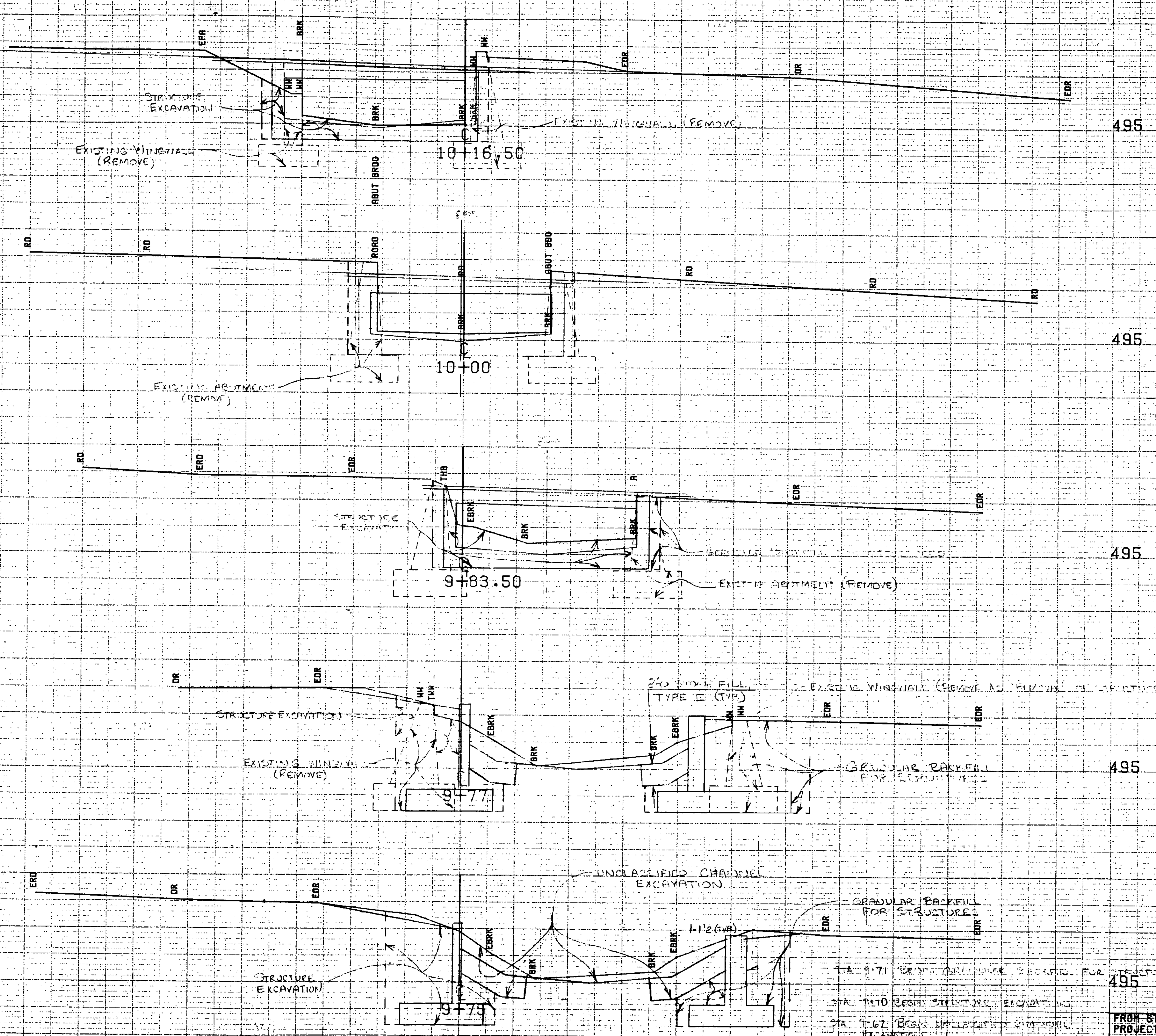
Hinesburg F0211870
 Chan Sections 782
 Sheet 17 of 26 Sheets

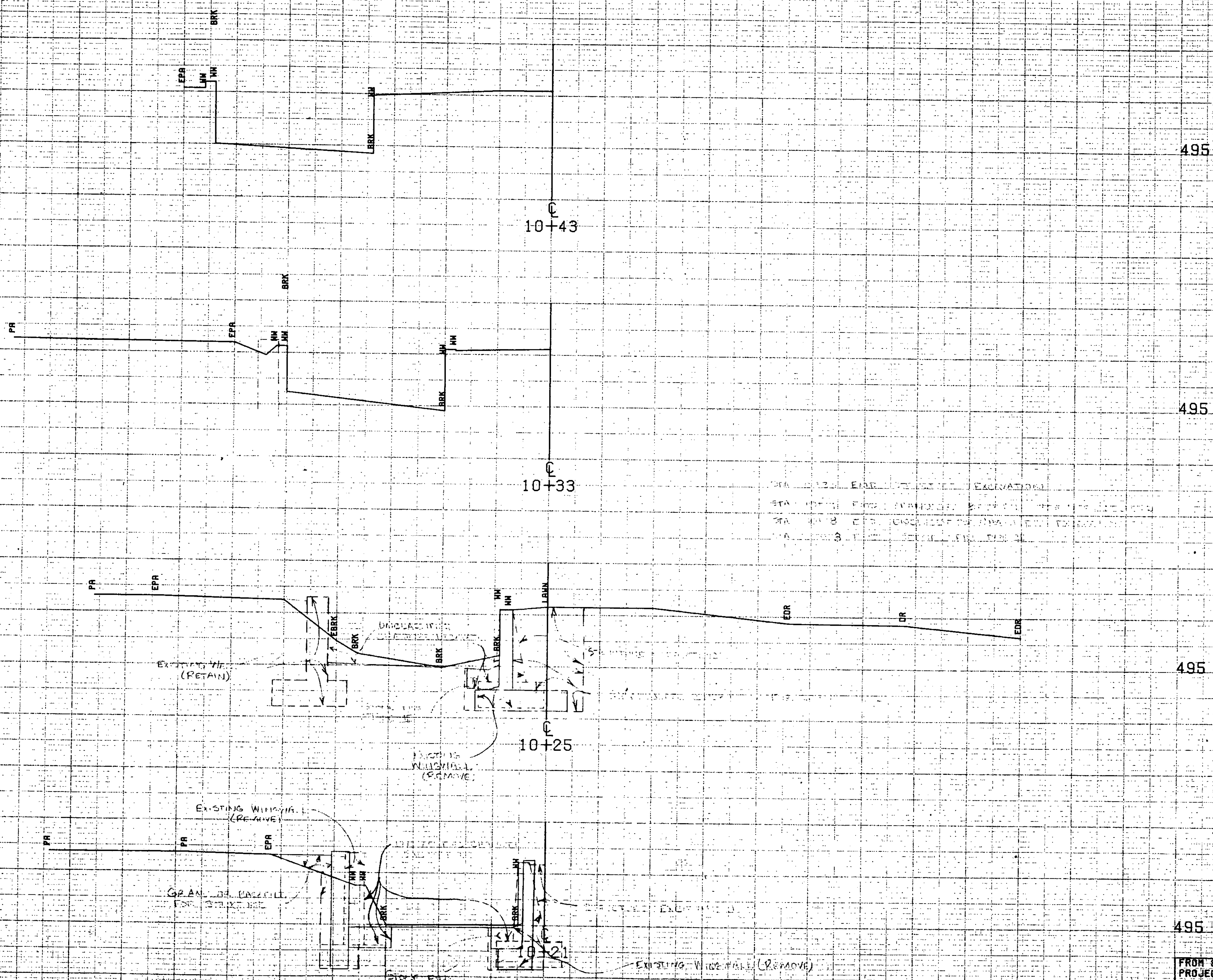


FROM STA. 8+75 TO STA. 9+50
PROJECT NAME HINESBURG CHANNEL
NO. F021-1-036
SURVEYED BY MOREAU
SHEET 1 OF 6 SHEETS
PLOTTED 10/27/80
JULY 1980

SCALE 1" = 100'

72 of 74

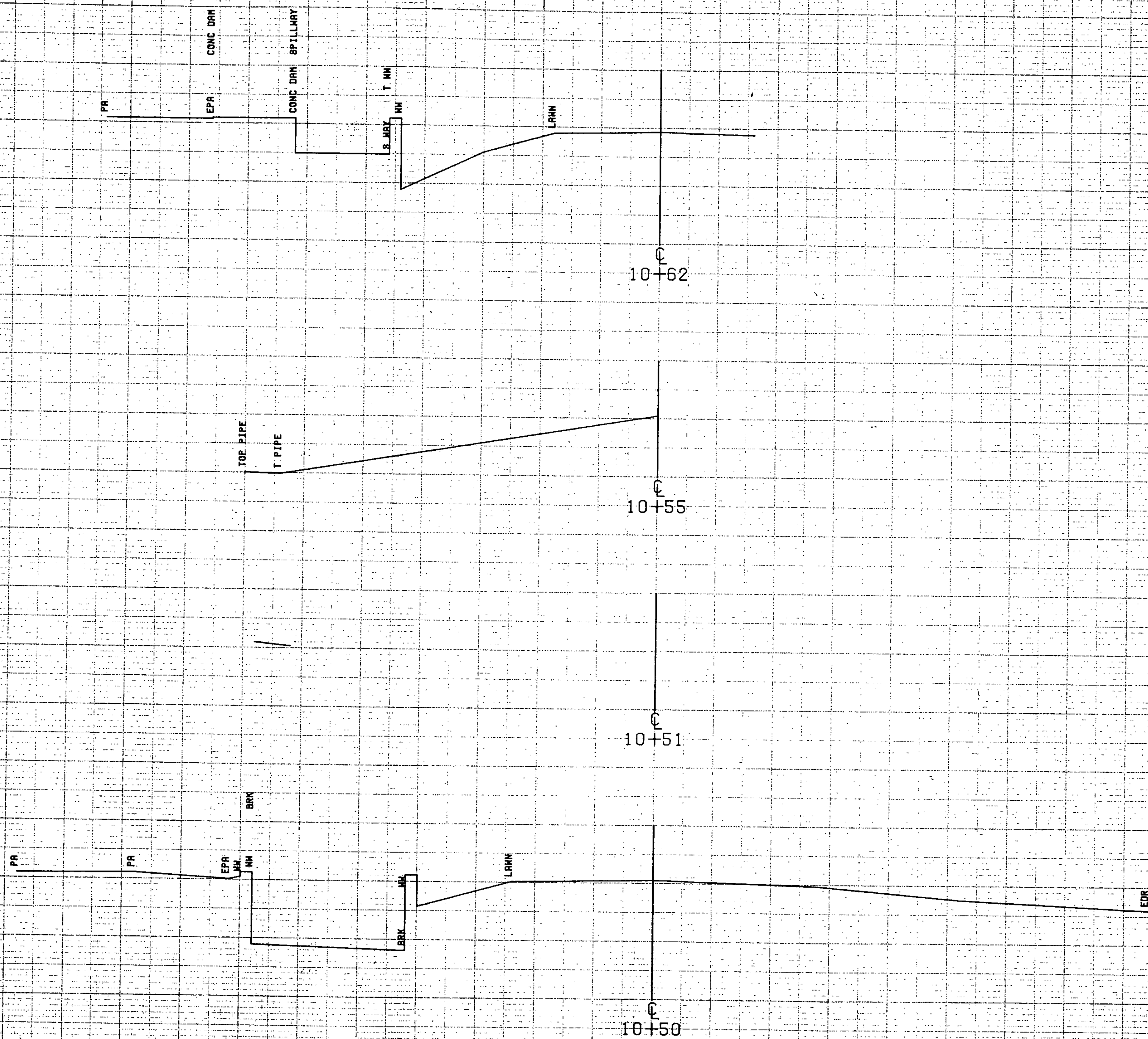




FROM STA. 10+21 TO STA. 10+43
 PROJECT NAME: MINESBURD CHANNEL
 NO. F021-1038
 SURVEYED BY: MOREAU
 SHEETS: 10 OF 16

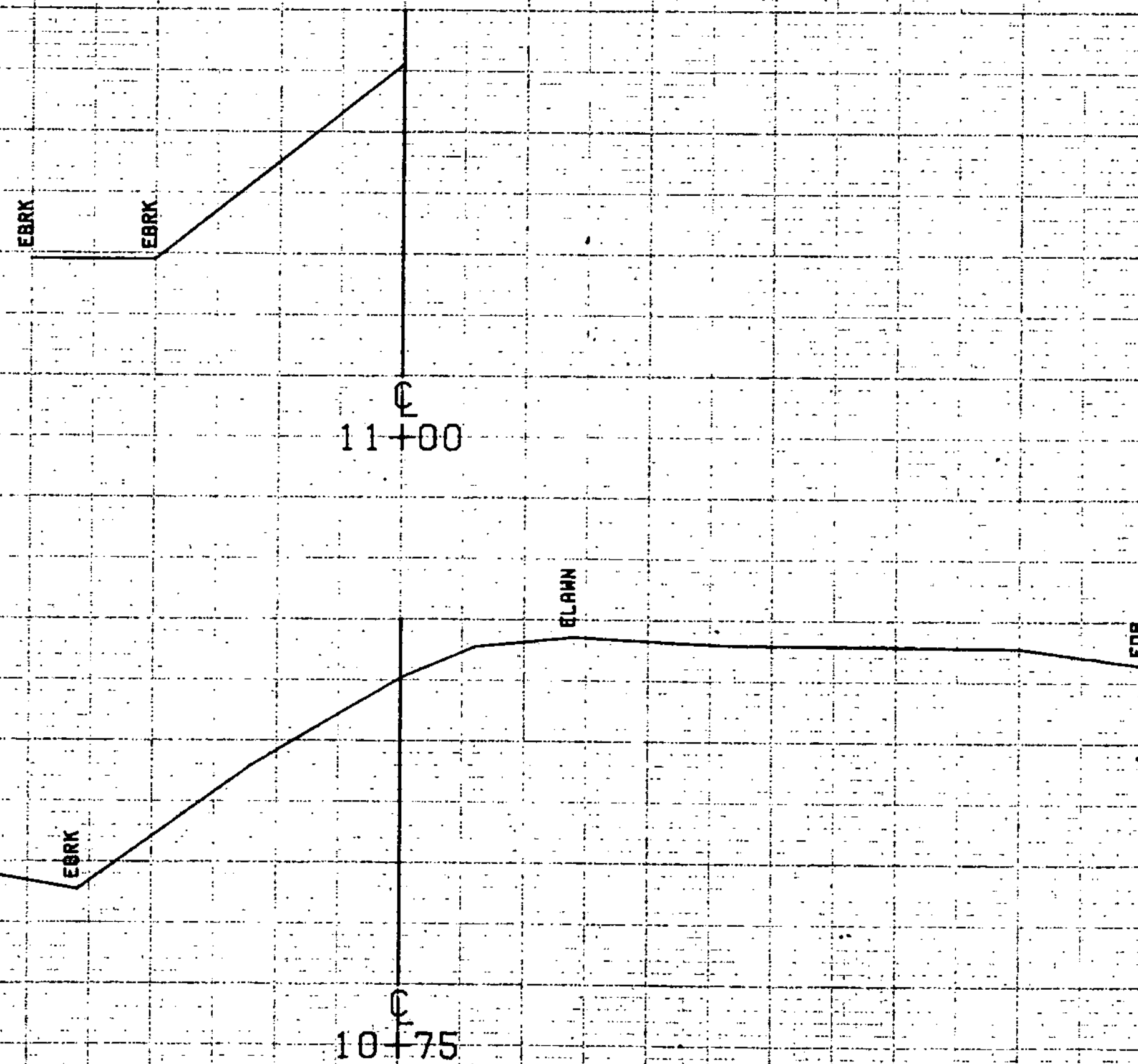
SCALE: 1" = 100'

FROM STA. 10+21 TO STA. 10+43
 PROJECT NAME: MINESBURD CHANNEL
 NO. F021-1038
 SURVEYED BY: MOREAU
 SHEETS: 10 OF 16
 PLOTTED: 10/27/80
 JULY 1980



FROM STA. 10+50	TO STA. 10+62
PROJECT NAME	HINESBURG CHANNEL
NO.	FO21-1(8)S
SURVEYED BY	MOREAU
SHEET	10 OF 10
DATE	JULY 1980

SCALE 1" = 100'



485

490

SCALE 1" = 10'

FROM STA. 10+75	TO STA. 11+00
PROJECT NAME	HINEBURY CHANNEL
NO.	F021-1(8)8
SURVEYED BY	MOREAU
SHEET NO. OF SHEETS	76 4/ 78
	PLOTTED 10/27/88
	JULY 1980