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CONTRACT PLANS

THESE PLANS DO NOT REFLECT CHANGES MADE ON THE PROJECT.

STATE OF VERMONT
AGENCY OF TRANSPORTATION

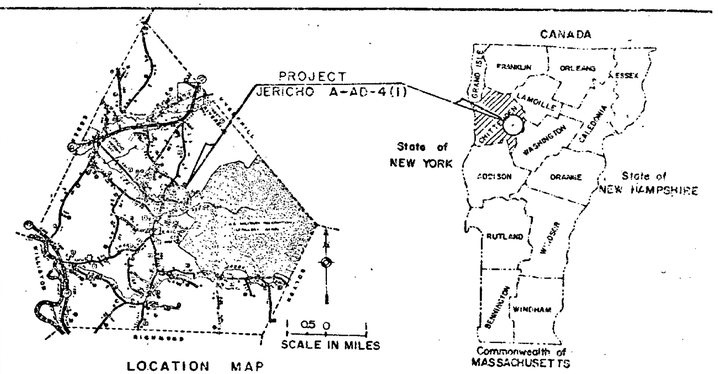
PROPOSED IMPROVEMENT
TOWN OF JERICHO
COUNTY OF CHITTENDEN

TOWN HIGHWAY NO. 2 (CLASS 2)

BEGINNING AT THE INTERSECTION OF TOWN HIGHWAY NO. 1 AND TOWN HIGHWAY NO. 2 AND EXTENDING EASTERLY ALONG TOWN HIGHWAY NO. 2 FOR A DISTANCE OF APPROXIMATELY 0.795 MILES (4,200 FEET).

LENGTH OF ROADWAY	4,120 FEET	=0.780 MILES
LENGTH OF BRIDGE	80 FEET	=0.015 MILES
LENGTH OF PROJECT	4,200 FEET	=0.795 MILES

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES GRADING, DRAINAGE, SUBBASE, PAVING & BRIDGE REPAIRS



LOCATION MAP

TRAFFIC DATA	
1984 ADT	300
1994 ADT	350
DESIGN V	35

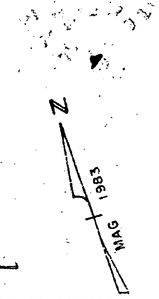
Dated JUL 10 1984

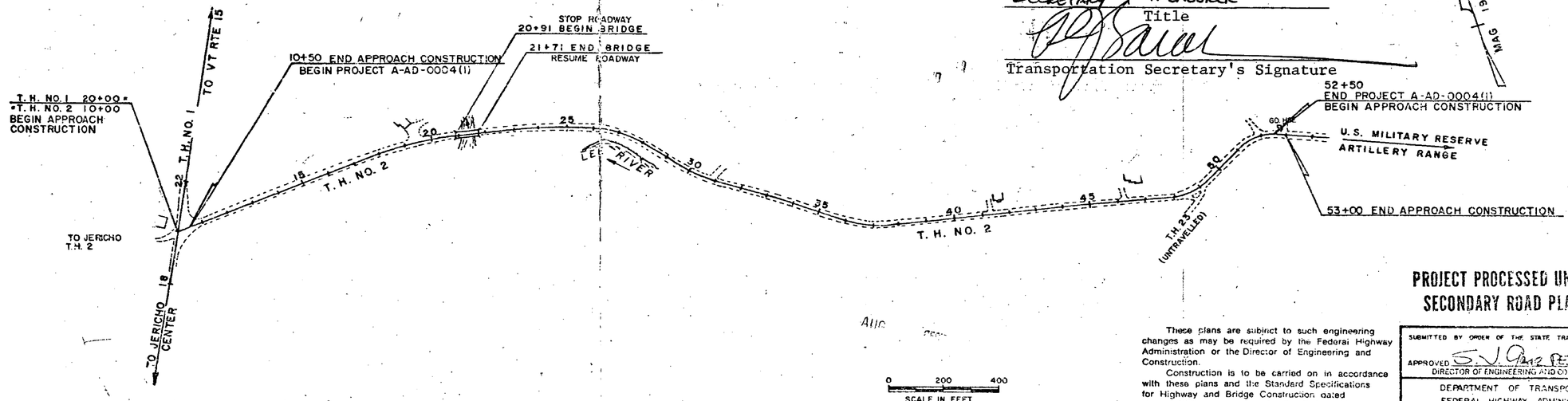
Aztec Corp.
Contractor

Signature

Secretary & Treasurer
Title

Transportation Secretary's Signature





CONVENTIONAL SIGNS

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

DATUM	
VERTICAL	N G V D 1929
HORIZONTAL	N / A

BRUNING 44-131-4(952)-1

These plans are subject to such engineering changes as may be required by the Federal Highway Administration or the Director of Engineering and Construction.

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

PROJECT PROCESSED UNDER SECONDARY ROAD PLAN

SUBMITTED BY ORDER OF THE STATE TRANSPORTATION BOARD

APPROVED [signature] DATE 11-20-84
DIRECTOR OF ENGINEERING AND CONSTRUCTION

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED _____ DATE _____
DIVISION ADMINISTRATOR

PROJECT JERICHO A-AD-0004(1)

SHEET 1 OF 80 SHEETS

D-10

TYPICAL SECTIONS

TOLERANCES APPLY TO THICKNESS ONLY.

3" BITUMINOUS CONCRETE PAVEMENT ITEM 406.25 ± 1/4" (TO BE PLACED IN TWO COURSES, 1-1/4" TYPE III, OVER 1-3/4" TYPE II)
24" SUB-BASE OF DENSE GRADED CRUSHED STONE ITEM 301.35 ± 1"
0-24" SAND BORROW ITEM 203.31 ±1"] TO BE PLACED AS NOTED ON THE PLANS
0-12" GRANULAR BORROW ITEM 203.32 ±1"] OR AS DIRECTED BY THE ENGINEER
SHOULDERS 3" GRAVEL SURFACE COURSE, ITEM 401.10

GENERAL NOTES

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

% WT	LBS/A	NAME	PUR %	GERM %
3.33	2	CROWN VETCH	97	75
50.00	30	CREEPING RED FESCUE	98	85
8.33	5	TIMOTHY	99	85
16.67	10	PERENNIAL RYE GRASS (VAR. 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	65
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)
TO BE PLACED AS DIRECTED BY THE ENGINEER

FERTILIZER, ITEM 651.15
FORMULA 10-20-10 TO BE USED WITH SEED, ITEM 651.10 APPLIED AT THE RATE OF 500 LBS/ACRE.

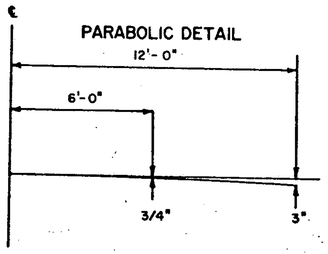
AGRICULTURAL LIMESTONE, ITEM 651.20
TO BE APPLIED AT RATE OF 2 TONS/ACRE OR AS DIRECTED BY THE ENGINEER.

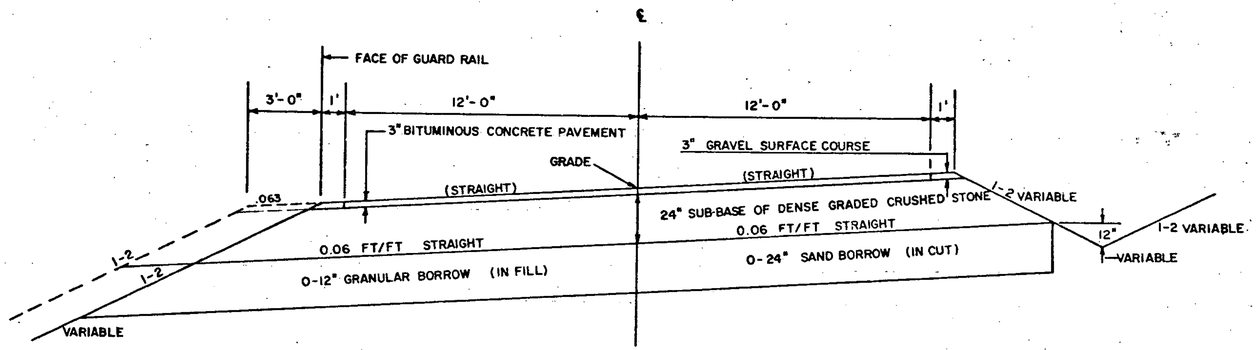
HAY MULCH, ITEM 651.25
TO BE PLACED ON EARTH SLOPES AT THE RATE OF 2 TONS/ACRE

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

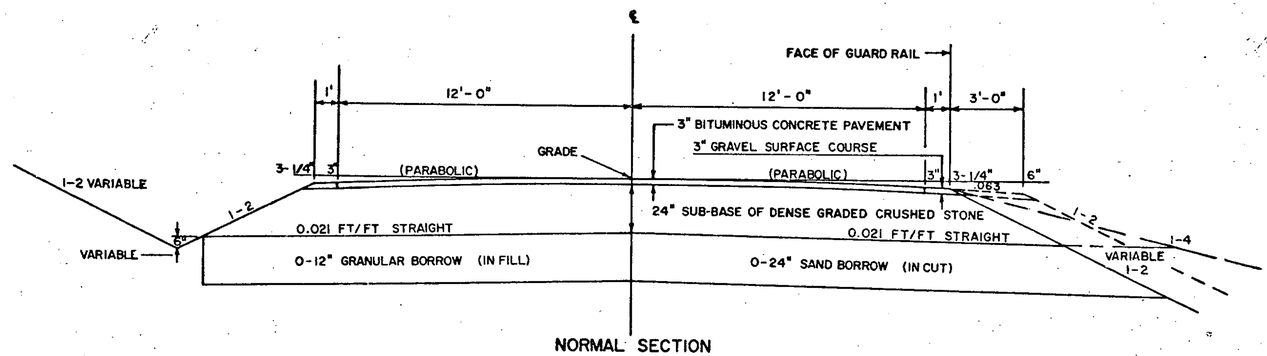
SEE STANDARD SHEET B-5 FOR TYPICAL SLOPE ROUNDING

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





MAXIMUM BANKED SECTION 0.06' PER FOOT



NORMAL SECTION

JERICHO
A-AD-0004(1)
TYPICAL SECTIONS
DRAWN & TRACED CASSIDY 1-83
SHEET 2 OF 80

QUANTITY SHEET

KEY
(NABI) = NOT A BID ITEM
* = ROADWAY ITEM

STATE OF VERMONT AGENCY OF TRANSPORTATION

PROJECT NO. _____

SUMMARY SHEET NO. _____ OF _____ 19 ____

APPROXIMATE SUMMARY OF QUANTITIES

EROSION CONTROL	R. O. W.	BRIDGE	ROADWAY	QUANTITIES GRAND TOTAL	UNIT	ITEMS	ITEM NO.	RNDG
			1	1	LS	CLEARING & GRUBBING (PLUS IND. TREES/STUMPS)	201.10	
			9700	9700	CY	COMMON EXCAVATION	203.15	
			500	500	LY	SOLID ROCK EXCAVATION	203.16	EST
			3500	3500	CY	SAND BORROW	203.31	75
50			2350	2400	CY	GRANULAR BORROW	203.32	14
			16,000	16,000	SY	FINE GRADING SUBGRADE	203.40	130
50			1330	1380	CY	TRENCH EXCAVATION OF EARTH	204.20	
			120	120	CY	TRENCH EXCAVATION OF ROCK	204.21	EST
			100	100	CY	GRANULAR BACKFILL FOR STRUCTURES	204.30	EST
			100	100	LF	DRILLING & BLASTING OF SOLID ROCK	205.10	
			100	100	SY	DRILLING & BLASTING OF SOLID ROCK SUBGRADE	206.10	
			9700	9700	CY	SUBBASE OF DENSE GRADED CRUSHED STONE	301.35	25
			450	450	CY	GRAVEL SURFACE COURSE	401.10	
		70		70	GAL	TAR EMULSION	404.45	
		20 *	1880	1,900	TON	BITUMINOUS CONCRETE PAVEMENT	406.25	18
		4		4	CY	CONCRETE CLASS "B"	501.25	
		1		1	LS	PAINTING BLAST CLEANING (541.2 TH)	513.35	
		15		15	GAL	WATER REPELLENT	514.10	
		3		3	CY	MORTAR TYPE IV	518.54	
			268	268	LF	18" ACCGP (.064)	601.1552	
			4	4	EA	18" METAL END SECTION FOR ACCGP .064	601.6222	
			1	1	LF	RELAYING PIPE CULVERTS (NOT A BID ITEM)	601.7250	
			5	5	CY	CEMENT RUBBLE MASONRY	602.15	
			1000	1000	LF	6" UNDERDRAIN	605.10	EST
			400	400	LF	6" UNDERDRAIN CARRIER PIPE	605.15	EST
			3	3	EA	UNDERDRAIN FLUSHING BASINS	605.95	EST
			150	150	HR	ROADWAY PATROL MAINTENANCE	607.10	EST
			1	1	HR	BULLDOZER RENTAL TYPE I (NOT A BID ITEM)	608.10	
			1	1	HR	BULLDOZER RENTAL TYPE II (NOT A BID ITEM)	608.11	
			1	1	HR	ALL PURPOSE EXCAVATOR RENTAL TYPE I (NABI)	608.25	
			1	1	HR	ALL PURPOSE EXCAVATOR RENTAL TYPE II (NABI)	608.26	
			1	1	HR	TRUCK RENTAL (NOT A BID ITEM)	608.37	
			280	280	M/GAL	DUST CONTROL W/WATER	609.10	EST
			2	2	TN	DUST CONTROL W/CALCIUM CHLORIDE	609.15	EST
10			40	50	CY	STONE FILL TYPE I (INC. 32 CY EST)	613.10	
			50	50	CY	STONE FILL TYPE II (INC 41 CY EST)	613.11	
			10	10	EA	BOUNDARY MARKERS	619.10	
			20	20	EA	WOOD MARKER POST	619.15	(2)
		175		175	LF	BRIDGE RAILING, HD STEEL BEAM	617.35	
			1	1	EA	REMOVING & RESETTING PROPERTY MARKERS	619.20	EST
			435	435	LF	GUARD RAIL STD. ST. BEAM W/WOOD POSTS TYPE II	621.28	3.75
			155	155	LF	GR HEAVY DUTY ST. BEAM W/WOOD POSTS TYPE II	621.38	
			1	1	EA	ANCHOR FOR ST. BEAM GR W/ST. OR. WOOD POSTS AT OPENINGS	621.70	
			5	5	EA	ANCHOR FOR STEEL BEAM GUARD W/STEEL LT STEEL OR WOOD POSTS	621.72	
			160	160	HR	UNIFORMED TRAFFIC OFFICERS	630.10	EST
			650	650	HR	FLAGPERSONS	630.15	EST
			1	1	LS	MOBILIZATION	635.10	

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS
		COMMON EXCAVATION
6089	CY	MAINLINE 6589 - 500 EST ROCK
57	CY	DRIVES
3500	CY	UNDERCUT SAND BORROW
9646		SUB TOTAL
54	CY	BOG
9700	CY	TOTAL
		TRENCH EXCAVATION OF EARTH
346	CY	DRAINAGE
975	CY	UNDERDRAIN EST
9	CY	ROUNDING
1330	CY	TOTAL
		TRENCH EXCAVATION ROCK
105	CY	UNDERDRAIN EST
15	CY	ROUNDING
120	CY	TOTAL
		GRAVEL SURFACE COURSE
95	CY	ML - SHOULDERS
354	CY	DRIVES
1	CY	ROUNDING
450	CY	TOTAL
		CRM
3.6	CY	DRAINAGE
1.4	CY	ROUNDING
5.0	CY	TOTAL
		TEMPORARY EROSION CONTROL
50	CY	TRENCH EXCAV. OF EARTH
50	CY	GRANULAR BORROW
1	HR	BULLDOZER RENTAL TYPE I NABI
1	HR	ALL PURPOSE EXCAVATOR RENTAL NABI
1	HR	TRUCK RENTAL NABI
10	CY	STONE FILL TYPE I
30	LB	SEED WINTER RYE
1	TN	HAY MULCH
100	SY	EROSION MATTING NABI
		STONE FILL TYPE I
5	CY	DRAINAGE
3	CY	DRIVES
32	CY	EST
40		TOTAL

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS

TYPE OF CONSTRUCTION- 3" BITUMINOUS CONCRETE PAVT.

STATIONS FROM	STATIONS TO	PAVEMENT WIDTHS 24	PAVEMENT WIDTHS 24		EQUATIONS +	EQUATIONS -	
10+50	20+91	1041					
20+91	21+71		80				
21+71	52+50	3,079					
TOTAL		4,120	80				
TOTALS							

LENGTH OF PROJECT

STATIONS		FEET	MILES	REMARKS
10+50	20+91	1,041	0.197	ROADWAY
20+91	21+71	80	0.015	BRIDGE OVER LEE RIVER
21+71	52+50	3,079	0.583	ROADWAY
TOTALS		4,200	0.795	

JERICHO A-AD-0004(1) No. Sheet 3 of 80 Filed Sheets

BRUNING 40-105 A2592

QUANTITY SHEET

STATE OF VERMONT AGENCY OF TRANSPORTATION

PROJECT NO. _____

SUMMARY SHEET NO. ____ OF _____ 19 ____

APPROXIMATE SUMMARY OF QUANTITIES

EROSION CONTROL	R. O. W.	BRIDGE	ROADWAY	QUANTITIES GRAND TOTAL	UNIT	ITEMS	ITEM NO.	
		1		1	LS	MAINTENANCE OF TRAFFIC FOR BRIDGE PROJECTS	637.10	
			8440	8440	LF	4" REFLECTORIZED YELLOW LINES	646.11	
			47	47	LF	24" STOP BARS	646.20	
230				230	LB	SEED (INCLUDES 30# WINTER RYE)	651.10	14
1900				1900	LB	FERTILIZER	651.15	35
8				8	TON	AGRICULTURAL LIMESTONE	651.20	.5
9				9	TON	HAY MULCH	651.25	.5
1				10	CY	TOPSOIL	653.10	
100				100	SY	EROSION MATTING	654.20	Est.
			23	23	SF	TRAFFIC SIGNS *	675.20	0.5
			112	112	LB	TRAFFIC SIGN POSTS, TYPE "A" *	675.35	
			19	19	SF	REMOVING SIGNS	675.51	0.4
						OPTION PIPES		
			72	72	LF	15" CGMP .064	601.1792	
			72	72	LF	15" CAACP .060	601.2042	
			72	72	LF	15" RCP CL III	601.2613	
			52	52	LF	18" CGMP .064	601.1802	
			52	52	LF	18" CAACP .060	601.2052	
			52	52	LF	18" RCP CL III	601.2623	

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS

TYPE OF CONSTRUCTION

STATIONS FROM	STATIONS TO	PAVEMENT WIDTHS			EQUATIONS +	EQUATIONS −	
TOTALS							

LENGTH OF PROJECT

STATIONS	FEET	MILES	REMARKS
TOTALS			

JERICHO A-AD-0004(1)

No. Sheet 4 of 80 Sheets Filed

BRUNING AD-105 42932

ITEM DETAIL AND DRAINAGE SHEET

* DENOTES STAGE II CONSTRUCTION

DRAINAGE STRUCTURES

STA	SIZE	POSITION	ASKEW	TYPE IN/OUT	DITCH IN	DITCH OUT	RCP D	RCP L	RCP CL	ACCGMP D IN	ACCGMP L FT	ACCGMP TH	CAACP D IN	CAACP L FT	CAACP TH	OPTION D IN	OPTION L FT	OPTION RC P CL	OPTION CG MP TH	OPTION CAA CP TH	CGMPA D/S IN	CGMPA R IN	CGMPA L FT	NO PIPE ELBOW EA.	ELBOWS D IN	ELBOWS TOP DEG	ELBOWS BOT DEG	24" CPL BD EA	MES EA	CB TYPE	DI TYPE	DEPTH DI	CONC CL B CY	REIN STEEL LBS	DI GRATE TYPE	CHAN ELEV	CRM CY	TR EXCAV EARTH CY	TR EXCAV ROCK CY	CH. EXCAV. EARTH CY	CH. EXCAV. ROCK SY	STRUC EXCAV CY	GRAN. BKF STRUC CY	STONE FILL CY	STONE FILL TYPE	CONSTRUCT DITCH IN	CONSTRUCT DITCH OUT	EROSION MATTING SY	STEEL MARKR POSTS LT	STEEL MARKR POSTS RT	WOOD MARKR POSTS LT	WOOD MARKR POSTS RT	REMARKS
	12+61	℄		SH						18	48	.064																									1.8	33								X				1	1	REMOVE EXISTING 18" ACCGMP
	16+52	℄		MES						18	40	.064																1-18										13							1	1						1	1	REMOVE EXISTING 18" ACCGMP
	24+25	℄		SH						18	46	.064																									1.8	15												1	1	REMOVE EXISTING 18" ACCGMP
	28+09.5	℄		MES						18	48	.064																1-18										12							2	1	X	X				1	1	REMOVE EXISTING 12" CGMP
	31+00	LT														15	36	III	.064	.060																																			DRIVE CULVERT
	34+00	℄		MES						18	44	.064																1-18										92							3 1	II I	X	X				1	1	
	39+00	℄		MES						18	42	.064																1-18										181							3 1	II I	X	X				1	1	
	41+03	LT														18	52	III	.064	.060																																			DRIVE CULVERT
	46+25	LT														15	36	III	.064	.060																																			DRIVE CULVERT
	TOTALS									18	268	.064				15	72	III	.064	.060								4	18									3.6	346						5 6	I II						6	6	
																18	52	III	.064	.060																																		12 6 UND 18 TOTAL

GUARD RAIL, STD. ST. BEAM W/WOOD POSTS (6'-3" SPACING) ITEM 621.28

STA.	STA.	POS.	LENGTH	FACTOR 0	ANCHORS 70	72 STD
19+98	20+48	50				1 G/1
20+01	20+64		62.5			1 G/1
21+98	22+54	56.25				1 G/1
22+14	22+76		62.5			1 G/1
25+50	27+50		200			2 G/1
		106.25	325			5
TOTALS			431.25			

GUARD RAIL HEAVY DUTY ST. BEAM W/WOOD POSTS ITEM 621.38 SCHEDULE I
STD. SB-RG-32 BRIDGE APPROACH RAIL

20+48	20+79	38.75		(FACTORED)
21+66.5	21+98	38.75		
20+64	20+95		38.75	
21+82.5	22+14		38.75	
SUB TOTALS			77.50	77.50
TOTALS			155	

BRIDGE RAILING HEAVY DUTY STEEL BEAM ITEM 617.35

20+79	21+66.5	87.5	
20+95	21+82.5		87.5
TOTAL		175.0	

UNDERDRAIN

** ESTIMATED **

STA	STA	TYP	POS	D	L	TRENCH E	TRENCH F	CHAN BKF	FB	WYE	WYE PST
UNDERDRAIN		I		6	1000	675	75		3		3
CARRIER PIPE		II		6	400	300	30				3
TOTALS 6" UND					1000	975	105		3		6
6" CARRIER PIPE					400						

PROJECT
JERICHO
A-AD-0004(1)

STAGE I PROJ NO
SHEET OF
STAGE II PROJ. NO.
SHEET 5 OF 80

BRUNING 40-105 4/59

EARTHWORK SHEET

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

FED. ROAD DIVISION NO.	STATE	PROJECT NO.	FISCAL YEAR POST WAR	SHEET NO.	TOTAL SHEETS
1	VT.				

V.C.	% GRADE	STATION	GRADES ELEVATION ON TANGENT	GRADES ELEVATION ON V. CURVES	GRADES CORR V.C.	GRADES DIST.	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK CU. YDS.	AREA	CU. YDS.	EMBANKMENT AREA	EMBANKMENT CU. YDS.	BASE AREA	BASE CU. YDS.
		9+50	+				CONSTR. SATISFACTORY APPR.							
	-1.4000%	10+00	627.50	06	HOLD		BEGIN PROJECT							
HOLD		+50	626.80	06	HOLD	50	82							
		11+00	626.20				50	122					C	844
													F	26
		+50	625.60				25	69					FAC	1.15
		12+00	625.00				20	42			0	5	EXC	814
		+50	624.40				16	33			5	10		
	-1.2000 %	+61	624.27					38			6	8		
		13+00	623.80				25	79			3	3		
		+50	623.20				60	133			0			
		+75	622.90		0									
		14+00	622.60	622.65	+0.05		84	159						
150' VC		+50	622.0	622.45	+0.45		88	169						
		15+00	622.59	622.64	+0.05		95	176						
		+25	622.88	622.88	0.0									
		+50	623.17				95	162						
		+75	623.46											
		16+00	623.76				80	131			0	2		
		+50	624.35				61	112			2			
		+52	624.37											
		17+00	624.94				60	113			0		C	2,074
	+ 1.1750 %	+50	625.52	625.52	0.0		62				0		F	8
								104					FAC	1.15
		18+00	626.11	626.32	0.21		50	94			2	2	EXC	2065
200' VC		+50	626.70	627.53	+0.83		52	106			1	3		
												1		
		19+00	628.95	629.16	+0.21		62	178			0			
		+31	630.48	630.50	+0.02									
		+48	631.11	631.11	0.0									
		+50	631.20	631.20	0.0		130	898						
100' VC		20+00	633.45	633.18	-0.27	50	340	793						
	+2.3544%	+25	634.04	633.97	-0.07	25	872	435						
		+50	634.63	634.63	0	25	68	103						
HOLD		+91	635.59			41	68	BUTT	STOP ROADWAY - BEGIN BRIDGE					
		21+00	635.80											
+ 1	8000%	+10	636.01	HOLD										
HOLD		+50	636.76	HOLD										
		+70	637.04										C	1666
		+71	637.05	HOLD			70	BUTT	END BRIDGE - RESUME ROADWAY				F	111
						29		75					FAC	1.15
		22+00	637.46			50	70				0	1	EXC	1538
		+50	638.16					111						
		+70	638.44				50	69			1	1		
		23+00	638.86				25				0			
	+ 1.4000 %	+50	639.56				9	31			3	3		
		24+00	640.26					13				16		
		+30	640.68	640.68	0		5				14			
		+45	640.89	640.88	-0.01			5				46		
		+50	640.96	640.95	-0.01		0	31			36			
		25+00	641.66	641.51	-0.15		33				12	44		
								51				15		
		+50	642.36	641.93	-0.43		22				4			
300' VC		+80	642.78	642.10	-0.68			89				4		
		26+00	642.70	642.19	-0.51		74	168			0			
		+50	642.50	642.31	-0.19		107	131			0		C	496
		27+00	642.30	642.27	-0.03		34				3	3	F	589
		+30	642.18	642.18	0.0			31				53	FAC	1.15
	- 0.4000 %	+50	642.10				0				54		EXF	181
		28+00	641.90								88	131		
		+09.5	641.86											
		+25	641.80	641.80	0.00							147		
		28+50	641.79	641.72	0.02						71			
150' VC		29+00	641.50	641.67	0.17	50	0				52	114		
			CARRIED FORWARD					470				467		
			COLUMN FOOTINGS					5094				612		

V.C.	% GRADE	STATION	GRADES ELEVATION ON TANGENT	GRADES ELEVATION ON V. CURVES	GRADES CORR V.C.	GRADES DIST.	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK CU. YDS.	AREA	CU. YDS.	EMBANKMENT AREA	EMBANKMENT CU. YDS.	BASE AREA	BASE CU.YDS.
150' VC		29+00	641.50	641.67	+0.17	50	0				52			
		+50	641.75	641.77	+0.02		8	7			32	78		
		+75	641.87	641.87	0			19				44		
		30+00	642.00				12				15			
								30				38		
		+50	642.25				20				26			
		31+00	642.50				14	31			20	43		
		+50	642.75				1	14			19	36	C	82
	+ 0.5000 %	32+00	643.00				3	4			16	32	F	428
		+50	643.25				0	3			34	46	FAC	1.15
		33+00	643.50								38	67	EXF	410
		+50	643.75								26	59		
		34+00	644.00								24	46		
		+50	644.25	644.25	0.0						15	36		
100' VC		35+00	644.50	644.56	0.06		0	1			12	25		
		+50	644.97	644.97	0.0		1	1			12	22		
		36+00	645.45				2	3			10	20		
		+50	645.92				16	17			12	20		
		37+00	646.40				8	22			17	27	C	114
		+50	646.87				27	32			22	36	F	251
		38+00	647.35				1	26			16	35	FAC	1.15
		+50	647.83	647.83	0.0		2	3			5	19	EXF	175
	+ 0.9500 %	39+00	648.30	648.30	0.0		2	4			10	14		
		+50	648.77	648.75	-0.02		2	4			11	22		
		40+00	649.25	649.21	-0.04		0	2			25	36		
		+50	649.67	649.65	-0.02		0				12	37		
		41+00	650.08	650.08	0.0		3	3			9	19		
		+08	650.15	650.15	0.0									
		+25	650.29	650.29	0.0			10				17		
		+50	650.50	650.50	0.0		8	9				9	C	133
		42+00	650.92				25	31			7	15	F	264
		+50	651.33				24	15			7	13	FAC	1.15
		43+00	651.75				2	24			9	15	EXF	171
		+50	652.16				2	4			25	31		
	+ 0.8329 %	44+00	652.58				1	3			20	42		
		+50	653.00				1	2			22	39		
		45+00	653.41				11	11			20	39		
		+50	653.83	653.83	0.0		8	18			14	31		
		46+00	654.25	654.35	+0.10		27	32			0	13		
		+25	654.46	654.63	+0.22									
		+30	654.50	654.75	+0.25			59				0		
300' VC		+50	654.66	655.05	+0.39		37	67			0	2	C	456
		47+00	655.08	655.96	+0.88		35	52			2	9	F	175
		+50	656.67	657.06	+0.39		21	31			8	32	FAC	1.15
		48+00	658.27	658.37			12	11			27	51	EXC	255
		+50	659.86	659.36	0.0		0				28			
		+60	660.18	660.18	0.0			9				31		
	+ 3.1900 %	49+00	661.10	661.37	-0.09	50	10				6			
			CARRIED FORWARD					279				169		
			COLUMN FOOTINGS					634				1224		

V.C.	% GRADE	STATION	GRADES ELEVATION ON TANGENT	GRADES ELEVATION ON V. CURVES	GRADES CORR V.C.	GRADES DIST.	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK CU. YDS.	AREA	CU. YDS.	EMBANKMENT AREA	EMBANKMENT CU. YDS.	BASE AREA	BASE CU.YDS
300' VC	+ 3.1900 %	49+00	661.46	661.37	-0.09	50	10				6			
		+50	663.05	662.69	-0.36		53	58			0	6		
		50+00	664.65	663.85	-0.80		76	119						
		+50	665.18	664.82	-0.36		87	151						
	+ 1.0520 %	51+00	665.70	665.61	-0.09		78	145						
		+50	666.23	666.23	0.0		63	123					C	724
		+90	666.65					116					F	0
		52+00	666.75				62						FAC	1.15
		+50	667.28	END PROJECT			71	123					EXF	724
								66						
		53+00	CONSTR. SATISFACTORY APPROACH			50	0							
			CARRIED FORWARD					901				6		
			COLUMN FOOTINGS											

PROJECT JERICHO

PROJECT A-AD NO. 0004(1)
SHEET 6 OF 80 SHEETS

EARTHWORK

V.C.	% GRADE	STATION	GRADES ELEVATION ON TANGENT	GRADES ELEVATION ON V. CURVES	CORR. V.C.	DIST.	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK CU. YDS.			EMBANKMENT AREA	EMBANKMENT CU. YDS.	BASE AREA	BASE CU. YDS.

CARRIED FORWARD
COLUMN FOOTINGS

EARTHWORK

V.C.	% GRADE	STATION	GRADES ELEVATION ON TANGENT	GRADES ELEVATION ON V. CURVES	CORR. V.C.	DIST.	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK CU. YDS.			EMBANKMENT AREA	EMBANKMENT CU. YDS.	BASE AREA	BASE CU. YDS.

CARRIED FORWARD
COLUMN FOOTINGS

EARTHWORK SUMMARY

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

SUMMARY OF BALANCES

STATION TO STATION		TOTAL EXCAV. EARTH & ROCK CUBIC YARDS	ROCK EXCAV. CUBIC YARDS	EMBANKMENT CUBIC YARDS	EXCESSES CUT	EXCESSES FILL	ACCUMULATIVE EXCESSES CUT	ACCUMULATIVE EXCESSES FILL	BASE CUBIC YARDS
10+00	15+00	844		26	814		814		
15+00	20+00	2,074		8	2,065		2,879		
20+00	25+00	1666		111	1538		4,417		
25+00	30+00	496		589		181	4,236		
30+00	35+00	82		428		410	3,826		
35+00	40+00	114		251		175	3,651		
40+00	45+00	133		264		171	3,480		
45+00	50+00	456		175	255		3,735		
50+00	END	724			724		4,459		
ANCHOR FLARES				19		22	4,437		
MAINLINE		6589		1871	5396	959	4437		
DRIVES		57		400		403	4034		
TOTALS		6,646		2,271	5,396	1,362	4,034		

SUMMARY BY COLUMNS

SHEET NO.	COL. NO.	EXCAVATION TOTAL CU. YDS.	EXCAVATION ROCK CU. YDS.	EMBANKMENT CUBIC YARDS	BASE CUBIC YARDS
	1	5054		612	
	2	634		1234	
	3	901		6	
ANCHOR FLARES				19	
ML		6589		1871	
DRIVES		57		400	
TOTALS		6646		2271	

REMARKS

EARTH AND ROCK EXCAVATION	6646
SOLID ROCK EXCAVATION	
EARTH EXCAVATION	6646
PLANIMETERED FILL	2271
LESS FACTORED SOLID ROCK	
LESS DISPLACEMENT OF ANY LARGE STRUCTURES	
NET PLANIMETERED FILL	2271
FACTOR 1.15	
PLANIMETERED FILL INCLUDING FACTOR	2612
MATERIALS AVAILABLE FOR FILLS	
EARTH EXCAVATION	6646
CHANNEL EXCAVATION	
UNDERDRAIN EXCAVATION	
STRUCTURE EXCAVATION	
TOTAL MATERIAL AVAILABLE FOR FILL	6646
TOTAL FILL INCLUDING FACTOR	2612
TOTAL MATERIAL FOR FILL	6646
BORROW	
EXCESS EXCAVATION	4034
GRANULAR BORROW (FACTORED)	2138
EXCESS	6172

PROJECT JEPICHO

PROJECT A-AD NO 0004(1) S
SHEET 7 OF 80 SHEETS

D-2

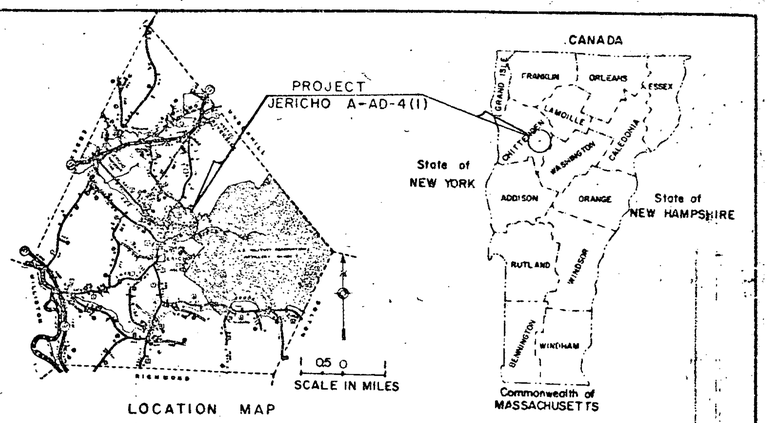
INDEX OF SHEETS

1. TITLE PAGE
2. TYPICAL SECTIONS
3. EARTHWORKS
4. QUANTITIES
5. DRAINAGE
6-14. PLAN-PROFILE SHEETS
15-24. CROSS-SECTIONS
25. A-61 SLOPES IN SOLID ROCK EXCAVATION 8-26-81 R
26. B-1 BANKING TABLES
27. B-5 SLOPE ROUNDING 12-6-71
28. D-2 HEADWALLS AND UNDERDRAIN 12-16-76 R
29. E-3 BRIDGE APPROACH CONSTRUCTION SIGNS 12-15-78 R
30. E-6 ON-PROJECT CONSTRUCTION SIGNS 12-15-78 R
31. E-7 BARRICADES 2-12-82 R
32. E-7A TYPE III BREAKAWAY BARRICADES 6-8-77 R
33. G-1D GUARD RAIL, STANDARD STEEL BEAM 12-16-80 R
34. G-4 WOOD MARKER POSTS 7-23-80 R
35. G-11 ANCHOR FOR STEEL BEAM GUARD RAIL 5-29-79 R

11-21 ROW Information Sheets

R.O.W. PLANS

STATE OF VERMONT
AGENCY OF TRANSPORTATION



LOCATION MAP

PROPOSED IMPROVEMENT
TOWN OF JERICHO
COUNTY OF CHITTENDEN

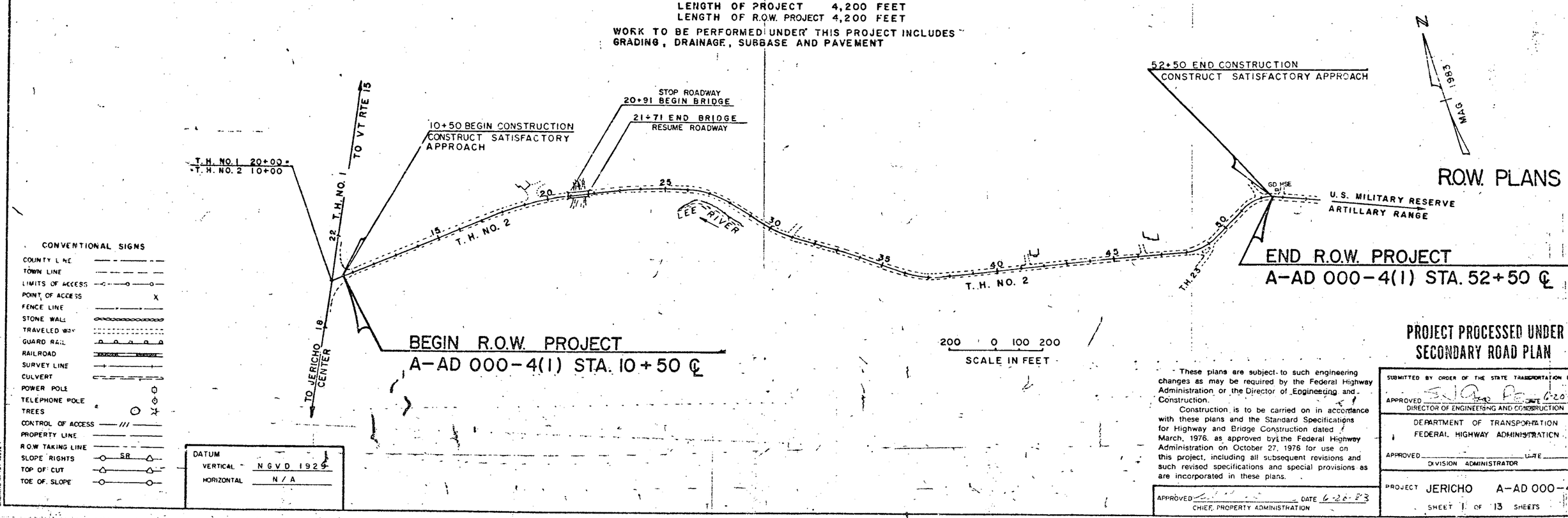
TOWN HIGHWAY NO. 2 CLASS II

BEGINNING AT THE INTERSECTION OF TOWN HIGHWAY NO. 1 AND TOWN HIGHWAY NO. 2 AND EXTENDING EASTERLY ALONG TOWN HIGHWAY NO. 2 FOR A DISTANCE OF APPROXIMATELY 0.795 MILES (4,200 FEET).

LENGTH OF ROADWAY	4,120 FEET
LENGTH OF BRIDGE	80 FEET
LENGTH OF PROJECT	4,200 FEET
LENGTH OF R.O.W. PROJECT	4,200 FEET

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES GRADING, DRAINAGE, SUBBASE AND PAVEMENT

THIS SHEET TO BE USED FOR ROW INFORMATION ONLY



R.O.W. PLANS

CONVENTIONAL SIGNS

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

DATUM
VERTICAL N G V D 1929
HORIZONTAL N / A

These plans are subject to such engineering changes as may be required by the Federal Highway Administration or the Director of Engineering and Construction.

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

APPROVED _____ DATE 6-20-83
CHIEF, PROPERTY ADMINISTRATION

PROJECT PROCESSED UNDER SECONDARY ROAD PLAN

SUBMITTED BY ORDER OF THE STATE TRANSPORTATION BOARD
APPROVED _____ DATE 6-20-83
DIRECTOR OF ENGINEERING AND CONSTRUCTION

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
APPROVED _____ DATE _____
DIVISION ADMINISTRATOR

PROJECT JERICHO A-AD 000-4(1)
SHEET 1 OF 13 SHEETS

BRUNING 44 131 40592-1

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
5	DELETED												FORMERLY HINCKLEY, THEODORE, JR.
6	CARLSON, DAVID W. & CAROLYN J.	11	41+08 LT.				DRIVE (T)	RELEASE					
7	ADAMS, CLARK B. & LOIS L.	12,13	51+92 LT.				DRIVE (T)	RELEASE					
8	VERMONT ELECTRIC CO-OP.												UTILITY
9	NEW ENGLAND TELEPHONE & TELEGRAPH												UTILITY

TABLE OF REVISIONS

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

THIS SHEET TO BE USED
FOR R.O.W. INFORMATION ONLY

MADE BY: M.W.H. DATE 6-14-83

CHECKED BY: R.L.S. DATE 6-16-83

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
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/L — P/L — PROPERTY LINE
TOP OF CUT
TOE OF SLOPE

APPROVED _____ DATE _____
CHIEF OF PLANS & TITLES

R.O.W. PLANS
PROJECT JERICHO
NO. A-AD 000-4(1)
SHEET 4 OF 13
13 OF 80

ROW

BRUNING 44-131 40992

UNION HIGH SCHOOL DISTRICT No. 17

N

MAG 1983

MATCH LINE

SHEET 5 OF 13

TH # 1

TH # 1 POT 20+00
TH # 2 POT 10+00
Δ = 59°30' RT.

10+50 BEGIN CONSTRUCTION
CONSTRUCT SATISFACTORY APPROACH

POT 12+17.96

12+61 ℄
18"x40' ACCG MP .064

VT. ELEC. COOP
30/71

NG T & T
30/71/44

10" CCM

ROW

TH # 2

15+0

N 88° 45' E

14+0

13+0

12+0

11+0

36" MAPLE

GRAVEL

GRAVEL

PAVED

PAVED

1½ STORY WOOD FRAME HOUSE

57.05

59.78

Δ

3.4" CCM

15" BIRCH

6" BIRCH

4" BIRCH

CONST. EASE. (T)

DIT. RT. (P)

(2)

(1A)

RIVERS, DONALD A. & MARY A.

FIELD DRIVE

N 29° 15' E

BEGIN R.O.W. PROJECT
A-AD 000-4(1) STA. 10+50 ℄

THIS SHEET TO BE USED
FOR ROW. INFORMATION ONLY

DATUM
VERTICAL NGVD 1929
HORIZONTAL N/A

20 0 20
SCALE IN FEET

ROW. PLANS

SURVEYED BY LAVALLEE DATE 1-83
DRAWN BY GRUNEWALD DATE 1-83
TRACED BY GRUNEWALD DATE 1-83

JERICHO
A-AD 000-4(1)
5 OF 13

UNION HIGH SCHOOL DISTRICT No. 17

P L

SHEET 6 OF 13

MATCH LINE

16.52 New 8.3 50 ACSR GMP (06A) Wires @ In.

WHEELER, JOHN H. JR. & THELMA A.

2

3

1A

1B

S.T.C. 30± NORTH

2-C'AR GARAGE

OWELL 30± NORTH

Construct Drive 19+46 Lt.

DRIVE RT. (T)

PI 19+35.05 = 19+33.24 EQ = 1.81

GRAVEL DRIVE

Approx loc. of buried E & T Cable

Item: 621.70 Anchor for Steel Beam Guard Rail w/Wood or Steel Posts
19+83 Lt
22+61 Lt
19+99 Rt
22+80 Rt

Item: 621.28 Std. St. Bm. Guard Rail w/Wood Posts, Type II
19+83 ~ 20+53 Lt
19+99 ~ 20+99 Rt
21+61 ~ 22+61 Lt
21+80 ~ 22+80 Rt

3" Apple
6" Blue Spruce
4" Blue Spruce
6" Apple
3" Spruce
8" Spruce
16" Spruce
8" Poplar
2-8" Elm
6" Elm
4-6" Apple
1-6" Elm

N 88° 45' E

TH # 2

16+0 17+0 18+0 19+0 20+0 21+0

80R 20R

GARDEN

RIVERS, DONALD A. & MARY A.

PC 17+91.42

CURVE No. 1
Δ 15° 42' RT
D 5° 30'
R 1041.74
T 143.63
L 285.45
E 9.85

CONST. EASE. (T)

SR (P)

PT 20+76.87

S 75° 33' E

TH # 2

UNION HIGH SCHOOL DISTRICT No. 17

P L

MAG. 1983

N

RIVER

BM # 2 W.W. ELEV. 638.35

RIVERS, DONALD A. & MARY A.

SHEET 8 OF 13

MATCH LINE

LEE

SCALE IN FEET

Note: Steel Beam Guard Rail should extend across bridge on both sides of roadway

PVI 18+50 L = 200 VC ELEV 626.70 K = 80

PVI 20+00 L = 100 VC ELEV 633.45 SSD = 378

THIS SHEET TO BE USED FOR R.O.W. INFORMATION ONLY

20+91 BEGIN BRIDGE

21+71 END BRIDGE

O.G. HOLD.

+2.3544 %

+4.5000 %

+1.1750 %

EXISTING BRIDGE

640 635 630 625

16 17 18 19 20 21 22

SCALE IN FEET

R.O.W. PLANS

JERICHO

A-AD 000-4(1)

SHEET 7 OF 13

15 OF 80

K&E PLATE 1, PLAN-PROFILE

PLAN — SURVEY: CAVALIER, CARPENTER; NOTES: GRAVELLESE, A.S.L.D.; NOTE BOOK: 41 OF MAY CIRCUIT; No.

PROFILE — SURVEY: CAVALIER, CARPENTER; NOTES: GRAVELLESE, A.S.L.D.; NOTE BOOK: 41 OF MAY CIRCUIT; No.

Construct Drives
22+70 ± Lt.

RIVERS, DONALD A. & MARY A.

UNION HIGH SCHOOL DISTRICT No. 17

Item 621.70
Anchor for Steel Beam Guard Rail w/ Wood or Steel Posts
26+00 Rt.
27+50 Rt.

Item 621.28 Stand. Sty. Bm. Guard Rail w/ Wood Posts. Type II
26+50 ~ 27+50 Rt.
22+00 ~ 22+47 Lt.

MATCH LINE

SHEET 7 OF 13

DRIVE RT. (T)

1B

2

1A

PL

PI 24+22.41=
24+22.12
EQ. 0.29

24+45
1 Nail 18"x46" ALCAN (064)

4" ECM

6" Maple

4" Maple

CONST. EASE (T)

S 75° 33' E

TH # 2

S 67° 47' E

22+0

23+0

24+0

25+0

26+0

PC 23+25.18

PT 25+19.35

CURVE NO. 2
Δ 7° 46' RT
D 4°
R 1432.40
T 97.23
L 194.17
E 3.30

RIVERS, DONALD A. & MARY A.

PC 26+10.56

CURVE NO. 3.
Δ 31° 47' RT
D 18°
R 318.31
T 90.62
L 176.57
E 12.65

LEE RIVER

PI 27+07.18
27+02.51
EQ 4.67

MAG. 1983

6" Yellow Birch

36" Hemlock

Hemlock

1" Elm.

3" Elm.

SR (P)

CONST. EASE (T)

PT 27+93.13

MATCH LINE

SHEET 9 OF 13

20 0 20
SCALE IN FEET

THIS SHEET TO BE USED
FOR R.O.W. INFORMATION ONLY

PVI
300' V.C.
25+80
642.78
SSD 538

+1.4000 %

-0.4000 %

640
635
630

22 23 24 25 26 27 28

20 0 20
SCALE IN FEET

5
0

R.O.W. PLANS

J E R I C H O

A-AD 000-4(1)

SHEET 8 OF 13

16 OF 80

PLATE 1, PLAN-PROFILE

Construct Drive
30+25 Rt.
31+00 Lt.

CURVE NO. 4
Δ 18° 48' LT.
D 8°
R 716.20
T 113.57
L 235.0
E 9.75

UNION SCHOOL DISTRICT NO. 17

2

HINCKLEY, THEODORE, JR.

MAG. 1983

PI 33+55.60 =
33+55.58
EQ 0.02

CONST. EASE.(T)

DIT. RT (P)

SHEET 8 OF 13

MATCH LINE

DITCH & CUL. RT. (P)

CONST. EASE.(T)

28+0

29+0

30+0

31+0

32+0

33+0

34+0

PC 29+05.98

PT 31+40.98

PL

S 36°00'E

TH "Z"

S 54°48'E

ROW.

20'E

30' ELM

2-18" Hemlock

6" Maple

Wood Drive

Grade

6" ELM

2-4" ELM

6" Hemlock

42.72

45°

Approx 10C

Buried Tel.

New 18"x48" ACCGMP (064)
Remove 18"x48" ACCGMP (064)
New 18"x48" C.R.M. Hdwl Lt. & Rt.

3+00 Lt. 15" C.G.M.P. - Remove
New 15"x36" C.G.M.P. (064)

3+45 12" C.G.M.P. - Remove

34+00
New 18"x44" ACCGMP (064)
Constr. Inf. Out & Ditches
Refer to Section For
Grading Details

1A

RIVERS, DONALD A.

PI 30+24 cc.
30+22.41

4A

CHARTER, DANIEL B.

DRIVE RT.(T)

CURVE NO. 5
Δ 2° 42' RT.
D 2°
R 2864.79
T 67.51
L 135.0
E 0.80

CUL. RT. (P)

DITCH & DR. RT.(P)

PC 32+88.09

MATCH LINE SHEET 10 OF 13

CONST. EASE.(T)

LEE RIVER

SCALE IN FEET
20 0 20

THIS SHEET TO BE USED
FOR ROW INFORMATION ONLY

PVI
150' V.C.
29+00
641.50
K=167

-0.4000 %

+0.5000 %

645
640
635

28 29 30 31 32 33 34

SCALE IN FEET
20 0 20
5 0

ROW PLANS

JERICHO

A-AD 000-4(1)

SHEET 9 OF 13

17 OF 80

K&E PLATE 7, PLAN-PROFILE
KEUFFEL & ESSER CO.

PLAN — SURVEYED: CAVALLO & GRANGER LTD. 1-83 — DRAWN: 1-83 — NOTE BOOK: — No. —

PROFILE — SURVEYED: LAVALLEE LABRENZ — DRAWN: 1-84 — NOTE BOOK: — No. —

STA. 34+00
18" + 42" ACCAMP (0.064)
Constr. Inf. Old Ditches
Restore Sod + Seedings for Grading Permits

HINCKLEY, THEODORE JR.

BM #3
SIR
ELEV.
641.89

10" POPLAR

CURVE NO. 6
Δ 26°15' CT.
D 14°
R 409.26
T 95.43
L 187.50
E 10.98

PC 35+81.99

SHEET 9 OF 13

MATCH LINE 34+00

S52°06'E
TH#2

35+0

36+0

37+0

38+0

39+0

S78°21'E
TH#2

SHEET 11 OF 13

MATCH LINE 40+00

4" OAK

6" OAK

10" ELM

CONST. EASE. (T)

SR (P)

PT 37+69.49

4B

4A

CHARTER, DANIEL B.

MAG 1983

HINCKLEY, THEODORE JR.

CHARTER, DANIEL B.

CONST. EASE. (T)

DIT. RT. (P)

PT 34+29.09

CONST. EASE. (T)

DIT. RT. (P)

T

D

Approx

Buried

Log

T

T Cable

New 18" x 42" ACCAMP (0.064)

39+00

VT. ELEC. COOP

DIT. & DR. RT. (P)

CONST. EASE. (T)

CONST. EASE. (T)

20 0 20
SCALE IN FEET

River

PI 36+77.42 =
36+74.06
EQ. 3.36

PVI
100' V.C.
35+00
644.50
K = 222

+ 0.5000 %

+ 0.9500 %

THIS SHEET TO BE USED
FOR ROW INFORMATION ONLY

PVI
40+00
300' V.C.
649.25
SSD = 6.13

645
640
635

5
20 0 20
SCALE IN FEET

ROW PLANS
JERICHO
A-AD 000-4(1)

SHEET 10 OF 13

34 35 36 37 38 39 40

PLATE 1, PLAN-PROFILE

Construct Drive
41+08 Lt.

41+03 Lt. CGMP(6.4) No. 15 x 52 CALC. FOR CL. III

WELL O-W

1½ STORY WOOD FRAME HOUSE

CARLSON, DAVID W. & CAROLYN J.

CHARTER, DANIEL B.

4B

4A

4C

6

DRIVE RT. (T)

GRAVEL DRIVE

1" Maple

30" Black Cherry

6" Spruce

8" Black Cherry

6" ECM

TREE LINE

BM #4
SIR
36' LT.
ELEV.
656.13

30" Maple

6" Maple

36" Maple

PI 45+72.60
45+72.59
EQ. 0.01

R.O.W.

MATCH LINE SHEET 10 OF 13

MATCH LINE SHEET 12 OF 13

S 78°21'E

TH #2

Buried T Cable

UNDERGROUND Tel. MARKER

Approx 15c T

Buried Cable T

POT 4+50

DISPUTED PROPERTY LINE

UNITED STATES OF AMERICA

CURVE NO 7
Δ 1°28' RT.
D 1°
R 5729.58
T 73.34
L 146.67
E 0.47

PC 44+72

3567

SCALE IN FEET

THIS SHEET TO BE USED FOR ROW INFORMATION ONLY

PVI
40+00
300' V.C.
649.25
SSD = 6.13

+0.8329 %

650

645

655

650

LEGEND

40 41 42 43 44 45 46

SCALE IN FEET

ROW PLANS

JERICHO

A-AD 000-4(1)

SHEET 11 OF 13

19 OF 80

PLATE 1, PLAN-PROFILE

THIS SHEET TO BE USED
FOR R.O.W. INFORMATION ONLY

CHARTER, DANIEL B.

DRIVE RT. (T)

10" Balsam
30" Maple
36" Maple
4C
46+25 Lt
New 18"x36" Pipe Opt.
10" Balsam
36" Maple
36" Maple
36" Maple
4-6" ecm
MATCH LINE SHEET 11 OF 13
S 76°53' E
TH #2
47+0
15" Willow
1" PLASTIC
Approx. toe of fill
PT 46+45.93
PC 47+57.22
T.H #2 48+60 =
T.H #3 10+00
CURVE NO. 8
Δ 43°03' LT.
D 20°
R 286.48
T 112.99
L 215.25
E 21.48
MAG. 1983
PT 49+72.47
48+0
49+0
UNITED STATES OF AMERICA
Approx. toe of fill
TOWN OF JERICHO
PI 48+70.21 =
48+59.48
EQ 10.73

Construct Drive
46+30± Lt
48+60 Rt -62
51+92 Lt

ADAMS, CLARK B. & LOIS L.
PI 51+90.82 =
51+74.15
EQ. 16.67
P.L.
SECONDARY SOURCE
W
7
W6" WELL TILE
DRIVE RT. (T) 16'
HOUSE DRIVE
MATCH LINE SHEET 13 OF 13
20'
20'
50+0
51+0
52+0
N 60°04' E
TH #2
30" M
Fence corner
CURVE NO. 9
Δ 51°02' RT
D 22°
R 260.44
T 124.32
L 231.97
E 28.15
PC 50+56.32
UNITED STATES OF AMERICA

20 0 20
SCALE IN FEET

PVI
47+00
300' V.C.
655.08
K = 127

PVI
50+00
300' V.C.
664.65
SSD = 477

+0.8329 %
+3.1900 %
+1.0520 %

660
655
650

46 47 48 49 50 51 52

5 0
20 0 20
SCALE IN FEET

R.O.W. PLANS

JERICHO

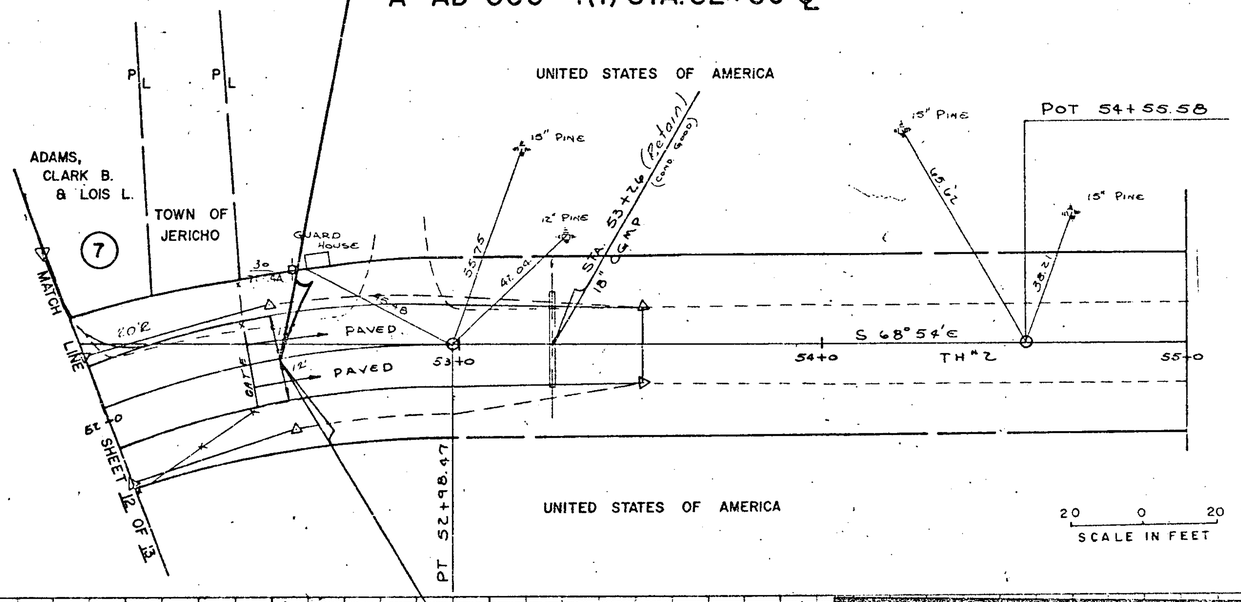
A-AD 000-4(1)

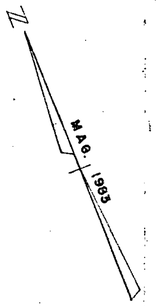
SHEET 12 OF 13

20 OF 80

PLATE 1, PLAN-PROFILE

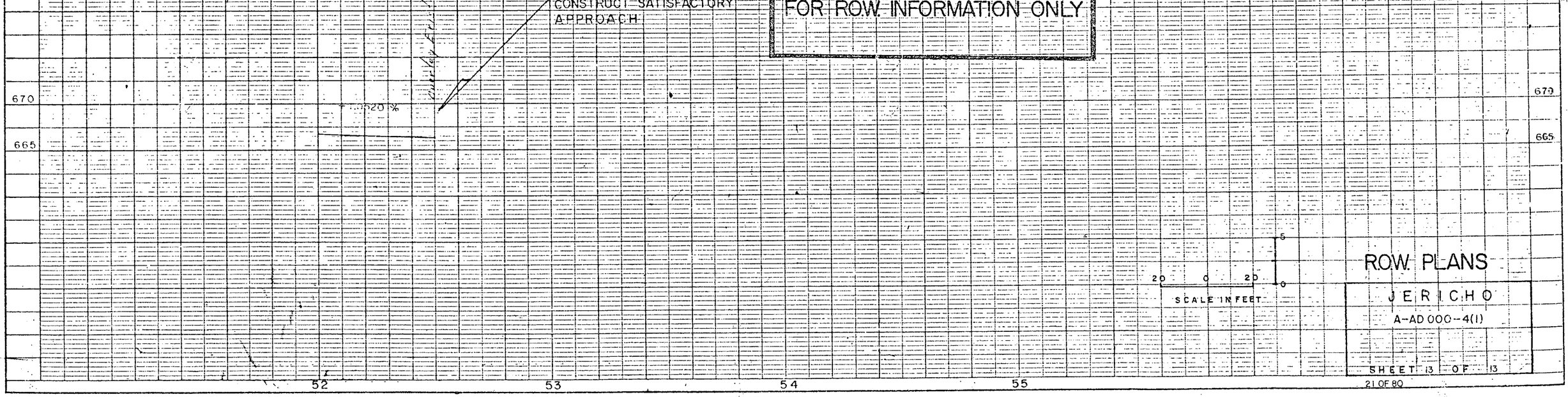
END R.O.W. PROJECT
A-AD 000-4(1) STA. 52+50 ℄





52+50
END CONSTRUCTION
CONSTRUCT SATISFACTORY APPROACH

THIS SHEET TO BE USED FOR ROW INFORMATION ONLY



PLAN — DRAWN: S.A.V.A.L. 12-21-83; TRACED: S.A.V.A.L. 12-23-83; CHECKED: A.L.D.; NOTE BOOK: —; No. —

PROFILE — DRAWN: T.M.; TRACED: TAYLOR CARPENTER; CHECKED: —; NOTE BOOK: —; No. —

K+E PLATE 1, PLAN-PROFILE
KEUFFEL & ESSER CO.

24" STOP BAR	4" REFLECTORIZED YELLOW LINE	TRAFFIC SIGNS, TYPE A		REMOVING SIGNS		REMOVING SIGN POSTS, TYPE A	
		LT.	RT.	LT.	RT.	LT.	RT.
10+40 ℄ -- 12' LT	10+40 ℄ - 16+00 ℄, DOUBLE	10+71	11+50	10+90	11+88	10+90	11+88
10+40 12'LT - 10+50, 39 LT							

10+50 BEGIN PROJECT
CONSTRUCT SATISFACTORY APPROACH

10+00 ℄
Begin Approach

TH #1 PoT 20+00
TH #2 PoT 10+00
Δ = 59°30' RT.

TH #1

30"x30" STOP

VT. ELEC. COOP 30/71

4&5/74

(STOP) Remove sign & post 30"x30"

PoT 12+17.96

12"&18" ACCMP
New 18"x48" RCCMP 064

10" ECM

BRUSH

R.O.W.

TH #2 N 88°45'E

15+0

14+0

13+0

12+0

11+0

Not ℄ T 30/71/44

3 INCH LINE

SAVE 36" MAPLE

1½ STORY WOOD FRAME HOUSE

51.08

49.78

GRAVEL

PAVED

PAVED

30"x30"

45.79

43.18

15" BIRCH STP

6" BIRCH

6-6" BIRCH

WOODS

SPEED LIMIT 35

Remove

18"x24" SIGN

SPEED LIMIT 35

24"x30"

3-4" ECM

MEADOW

Not ℄ T 77

FIELD DRIVE

N 29° 15' E

19+0

MAGI 1983

N

LEGEND

- NEW SIGNS
- EXISTING SIGNS

20 0 20
SCALE IN FEET

DATUM
VERTICAL NGVD 1929
HORIZONTAL N/A

SURVEYED BY LAVALLEE DATE 1-83
DRAWN BY GRUNEWALD DATE 1-83
TRACED BY GRUNEWALD DATE 1-83

JERICHO
PROJ. NO. A-AD-0004(1)
SHEET 25 OF 80

PLAN
NOTE BOOK
No.
DRAWN
PLOTTED
ALIGNMENT CHECKED
PLAN & PROFILE CHECKED

DATUM
VERTICAL NGVD 1929
HORIZONTAL N/A

PROFILE
NOTE BOOK
No.
DRAWN
TRACED
ALIGNMENT CHECKED
PLAN & PROFILE CHECKED

630
625

T H 2 T H 1
ML 10+00 = SL 20+00

18 19 20 21 22 SIDELINE (T H 1)

CONSTRUCT SATISFACTORY APPROACH

10+50 BEGIN CONSTRUCTION

-1.4000 %
0.6 HOLD

-1.2000%

PVI
14+50
L 150 VC
ELEV 622.00
K 63

+1.1750 %

MAINLINE T.H. 2

10 11 12 13 14 15 16

5 0
20 0 20
SCALE IN FEET

JERICHO
A-AD-0004(1)

SHEET 26 OF 80

K&E PLATE 1, PLAN-PROFILE
KEUFFEL & ESSER CO.

4" REFLECTORIZED YELLOW LINES
℄ 16+00 – 22+00, DOUBLE

TRAFFIC SIGNS, TYPE A
18+25 LT.

Construct Drive
18+00±Lt
19+48 Lt. Note: Drive Surface to be replaced in kind. - to be subsidiary to subbase. Refer to ROW Special Agreements.

Item 621.28 Std. St. Bm. Guard Rail w/Wood Posts, Type II
-19+98 ~ 20+49 Lt
-20+01 ~ 20+64 Rt
22+14 ~ 22+00 Rt
21+98 ~ 22+00 Lt.

Guard Rail Heavy Duty St Beam w/Wood Posts Type II, Item 621.38 Std. SB-R6-82, Sch. #1
20+48 – 20+79 Lt
21+66.5 – 21+98 Lt

20+64 – 20+95 Rt
21+82.5 – 22+00 Rt

Anchors Item No.
19+13 – 19+98 Lt 621.72
19+76 – 20+01 Rt 621.72

Bridge Railing Heavy Duty, St. Beam
Item No. 617.35
20+79 – 21+66.5 Lt
20+95 – 21+82.5 Rt

MAG. 1983

BRUSH

16+52 – 18' ACCOMP
ASW (18' x 4' ACCOMP (Total) W/WES @ In. - Type 1 Sill @ Out.

MATCH LINE

N 88° 45'E

TH # 2

16+0 17+0 18+0 19+0 20+0 21+0 22+0

20'R 30 SLIX 3 20'R

3" Apple

6" Blue Spruce

4" Blue Spruce

2-Car Garage

PI 19+35.05 = 19+33.74

8" Spruce 8" Spruce 8" Spruce 10" Spruce 10" Spruce

Gravel Drive

Approx loc. of buried E&T Cable

8" Poplar

Woods

R.O.W.

RIVER

BM # 2
Chis. D
Railing
AS. Elev.
638.35

21+71
End Bridge
Resume Roadway

Garden

6" Elm 2-8" Elm 6" Elm 4-6" Maple

Curve No. 1
Δ 15°42' RT
D 5°30'
R 1041.74
T 143.63
L 285.45
E 9.85
2T-L 1.81
Bank 0.05'/ft.

PC 17+91.42

PT 20+76.87

20+91
Stop Roadway
Begin Bridge

S 75°33'E

LEE

SCALE IN FEET 20 0 20

DATUM
VERTICAL NGVD 1929
HORIZONTAL NAD

PLAN
SURVEYED
PLOTTED
NOTE BOOK
FILE

PROFILE
NOTED
CHECKED
FILE

LAYOUT
CALCULATED
CHECKED

P.V.I.
18+50
L = 200 VC
ELEV. 626.70
K = 60

P.V.I.
20+00
L = 100 VC
ELEV 633.45
SSD = 376

Stop Roadway
20+91 BEGIN BRIDGE

21+71 END BRIDGE
Resume Roadway

+1.1750 %
+4.5000 %
+2.3544 %
+1.8000 %
+1.7000 %
+1.4000 %

EXISTING BRIDGE

640 635 630 625

15 16 17 18 19 20 21 22

SCALE IN FEET 20 0 20 5 0

J E R I C H O
A – A D-0004(1)

SHEET 21 OF 80

K+E PLATE 1, PLAN-PROFILE

Construct Drives
22+70 ± Lt. (14)

4" REFLECTORIZED YELLOW LINES
℄ 22+00 – 28+00, DOUBLE

Anchors - Item 621.70
22+54 Lt
Item 621.72
22+76 – 23+01 Rt
Guard Rail, Heavy Duty St. Beam
w/ Wood Posts, Item 621.38
Std. SB-R6-82. Sch. #1
22+00 - 22+14 Rt.

Item 621.28 Stand. St. Bm. Guard Rail
w/ Wood Posts, Type III
22+00 – 22+54 Lt
22+00 – 22+76 Rt
25+50 – 27+50 Rt

PI 24+22.41 =
24+22.12

PI 27+07.18
27+02.51

Woods

4" Elm
6" Maple
4" Maple
24"ø – 18" ACCMP (Fair)
14W/18X46 ALCMP (20%)

HCT 2T
20'R
10'R
R.O.W.
S 75° 33' E
TH # 2
MATCH LINE
22+0
23+0
24+0
25+0
26+0
27+0
S. 67° 47' E
38.53
25.41
32.10
70.29
37.00
40.27
S 26° 00' E
41.5
39.00
6" Yellow Birch
36" Hemlock
Hemlock 6"
3" Elm
Eroding Stone Fill
LEE RIVER
19.56
Woods & Brush
PC 23+25.18
PT 25+19.35
PT 27+93.13

CURVE NO. 2
Δ 7° 46' RT
D 4°
R 1432.40
T 97.23
L 194.17
E 3.30
2T-L 0.29
Bank 0.47'/ft.

CURVE NO. 3
Δ 31° 47' RT
D 18°
R 318.31
T 90.62
L 176.57
E 12.65
2T-L 4.67
Bank 0.60'/ft.

DATUM
VERTICAL NGVD 1929
HORIZONTAL N/A

N
MAG. 1923

20 0 20
SCALE IN FEET

PVI
300' V.C.
25+80
642.78
SSD 538

+1.4000 %
-0.4000 %

640
635
630

5
0
20 0 20
SCALE IN FEET

JERICHO
A-AD-0004(1)
SHEET 28 OF 80

PLAN
SURVEYED: CAVALLER & CARPENTER 1-83
DRAWN: CAVALLER & CARPENTER 2-83
NOTE BOOK:
No.
REVISED: 1-83
REVISED: 2-83
ST. OF WAY CHECKED:

PROFILE
SURVEYED: CAVALLER & CARPENTER 1-83
DRAWN: CAVALLER & CARPENTER 2-83
NOTE BOOK:
No.
REVISED: 1-83
REVISED: 2-83
STRUCTURAL DETAILS CHECKED:

Construct Drive
30+25 Rt.
(16') 31+00 Lt (Do not disturb gate)

4" REFLECTORIZED YELLOW LINES
℄ 28+00 – 34+00 DOUBLE

STA. 28+09.5 12" CGMP (85°Lt) Remove
New 18"x48' ACCGMP (064)
w/ MES ⌀ In. - Still Type I ⌀ out.

CURVE NO. 4
Δ 18° 48' CT.
D 8°
R 716.20
T 118.57
L 235.0
E 9.75
2T-L 2.14
Bank 060'/ft.

PC 29+05.98

Woods

31+00 Lt. 15" CGMP - Remove
New 15"x36' Opt Pipe CGMP 064
CMCP 000
ECP CIII

PT 31+40.98

Woods

PI 33+55.60 =
33+55.58

6" Hemlock

New 18"x44' ACCGMP (064)
Constr. In & Out Ditches
Refer to X sections for
grading details
6:1 Fill Typ I

MAG. 1983

MATCH LINE 28+0

S 36°00'E

TH 27

30 ECM

2-18" Hemlock

6" Maple

20'R

Wood Drive

gate

R.O.W.

6" ECM

2-4" ECM

S 54°48'E

Buried Tel.

Approx 10'

ROW.

CURVE NO. 5
Δ 2°42' RT
D 2°
R 2864.79
T 67.51
L 135.0
E 0.80'
2T-L 0.02
Bank 0.30'/ft.

PC 32+85.09

12:1 Fill Type II

LEE RIVER

DATUM
VERTICAL NGVD 1929
HORIZONTAL N/A

PI 30+24.55 =
30+22.41

Plowed Field

20 0 20
SCALE IN FEET

PVI
150' V.C.
29+00
641.50
K = 167

-0.4000 %

+0.5000 %

645
640
635

5
20 0 20 0
SCALE IN FEET

JERICHO
A-AD-0004(1)

SHEET 29 OF 80

28 29 30 31 32 33 34

PLAN
SURVEYED 1-83
PLOTTED 1-83
NOTE BOOK CHIEF OF PARTY LAVALLEE
LAST REVISED CARPENTER
NO. DISTRICT 2 GREENSVILLE CO.

PROFILE
SURVEYED 1-83
PLOTTED
NOTE BOOK CHIEF OF PARTY LAVALLEE
LAST REVISED CARPENTER
NO. DISTRICT 2 GREENSVILLE CO.

K&E PLATE 1, PLAN-PROFILE
KEUFFEL & ESSER CO.

4" REFLECTORIZED YELLOW LINE
℄
34+00 – 40+00, DOUBLE

REMOVING SIGNS
RT
36+60

REMOVING SIGN POSTS, TYPE A
RT.
36+80

CURVE NO. 6
Δ 26°15' CT.
D 14°
R 409.26
T 95.43
L 189.50
E 10.98
2T-L 3.36
Bank 0.60'/ft.

STA. 34+00
18" + 44" ACCOMP (0.06Ac)
Construct Cut Ditches
Refer to x-Sections for grading details

Woods

Bm #3
SIR
US Elev.
641.89

10" Poplar

PC 35+81.99

PT 37+69.49

MAG 1983

Woods

S 52°06'E
TH # 2

34

35+0

36+0

37+0

38+0

39+0

40+0

MATCH LINE

S 78°21'E
TH # 2

10" Elm

Stake

4" Oak

8" Stake

8" Stake

10" Stake

R.O.W.

Fenced
R.O.W.

T Cable

Fence

T

E

Refer to previous Layout for ditch Details

PT 34+23.09

WATCH CHILDREN
30"X30"
REMOVE

PI 36+77.42 =
36+74.06

PLOWED FIELD

New 18"x42" ACCOMP (0.06Ac)
Construct Inlet & Outlet
Ditches

℄ VT Elec. Coop
30/11/8

T Cable

To Pond Info.

10" CMP Type II

River

DATUM
VERTICAL NGVD 1929
HORIZONTAL N/A

20 0 20
SCALE IN FEET

P.V.I.
100' V.C.
35+00
644.50
K = 222

LEE RIVER

+ 0.5000 %

+ 0.9500 %

P.V.I.
40+00
300' V.C.
649.25
SSD = 613

645
640
635
650

5
20 0 20 0
SCALE IN FEET

34 35 36 37 38 39 40

PLAN
SURVEYED
TESTED
NOTE BOOK
No.
SAVAGE & RUNNELS, INC.
DRAWN
CHECKED
ST. OF WAY CHECKED
DATE 7-83
SCALE 1"=83'

PROFILE
SURVEYED
TESTED
NOTE BOOK
No.
SAVAGE & RUNNELS, INC.
DRAWN
CHECKED
ST. OF WAY CHECKED
DATE 7-83
SCALE 1"=8'

JERICHO
A-AD-0004(1)

SHEET 30 OF 80

KE PLATE 1, PLAN-PROFILE

4" REFLECTORIZED YELLOW LINE
℄
40+00 -- 46+00, DOUBLE E

Construct Drive
41+03 Lt.

41+03 Lt
New 16'x52' CGMP(1064)
CAAPL(C660)
Ltr. Cl. III

1½ STORY WOOD FRAME HOUSE

GRAVEL DRIVE

6" SPRUCE

30" BLACK CHERRY

8" BLACK CHERRY

TREE LINE

6"ECM

MAG. 1983

BM #4
SIR
36' CT.
U.S. Elev.
656.13

PI 45+72.60 =
45+72.59

30" MAPLE

6" MAPLE

36" MAPLE

R.O.W.

LAWN

MATCH LINE

S 78°21'E

TH #2

PLOWED FIELD

POT 41+50

UNDERGROUND TEL MARKER

Approx Ict

Buried Cable

PC 44+93.26

CURVE N67

Δ 1°28' RT.
D 1°
R 5729.58
T 73.34
L 146.67
E 0.47
27-L 0.01
Book 021/ft

021

DATUM
VERTICAL — NGVD 1929
HORIZONTAL — N/A

SCALE IN FEET
20 0 20

PLAN
SURVEYED — LAVALLEE CARPENTER
NOTED — GRUNDMAN
NOTE BOOK — PT. OF WAY CHECKED —
No.

PROFILE
SURVEYED — LAVALLEE CARPENTER
NOTED — GRUNDMAN
NOTE BOOK — PT. OF WAY CHECKED —
No.

PVI
40+00
300' V.C.
649.25
SSD = 6.13

+0.8329 %

650
645
655

SCALE IN FEET
20 0 20
5
0

40 41 42 43 44 45 46

JERICHO
A-AD-0004(1)

SHEET 31 OF 80

PLATE 1. PLAN-PROFILE

4" REFLECTORIZED YELLOW LINES
℄
46+00 – 48+42, DOUBLE
48+82 – 52+00, DOUBLE

TRAFFIC SIGNS, TYPE A
LT
51+50

TRAFFIC SIGN POSTS, TYPE A
LT.
51+50

REMOVING SIGNS
LT.
51+50

Construct Drive
46+25 Lt
49+55 Rt
51+92 Lt

Construct Approach
48+62 ± Lt

46+25 Lt
New 15"x36" Pipe Opt.
CGNP 068
CAACP 060
RCP CI III

T.H. "2" 48+60 = POC.
= T.H. "3" 23-10+00 POT

CURVE NO. 8
Δ 43°03' LT.
D 20°
R 286.48
T 112.99
L 215.25
E 21.48
2T-L 10.73
Bank 060'/ft.

PC 47+57.72
PT 46+45.93
PT 49+72.47
PI 48+70.21 = 48+59.48
PI 51+90.82 = 51+74.15

MAG. 1983

S 76°53'E
TH "2"

N 60°04E
TH "2"

S 68°-54E

R.O.W.

Approx location

Fence Corner

Gate +55±

Secondary Source

50+97 Well Lt Donald Stiff

36" Well Tile

House Drive

CURVE NO. 9
Δ 51°02' RT
D 22°
R 260.44
T 124.32
L 231.97
E 28.15
2T-L 16.67
Bank 060'/ft

SPEED LIMIT 35

SPEED LIMIT 35

REMOVE 18"x24"

24"x30"

LATUM
VERTICAL NGVD 1929
HORIZONTAL N/A

SCALE IN FEET
20 0 20

PLOWED FIELD

Approx. top of burrow

Approx. toe of burrow

MEADOW

Approx. Lot. W. Plastic

15" Willow

Save for ROW clearing requirements

10" Balsam

30" Maple

36" Maple Save

4-6" Elm

Match Exist.

PVI
47+00
300' V.C.
655.08
K = 127

PVI
50+00
300' V.C.
664.65
SSD = 477

-0.6329 %

+3.1950 %

+1.0520 %

660
655
650
670
665

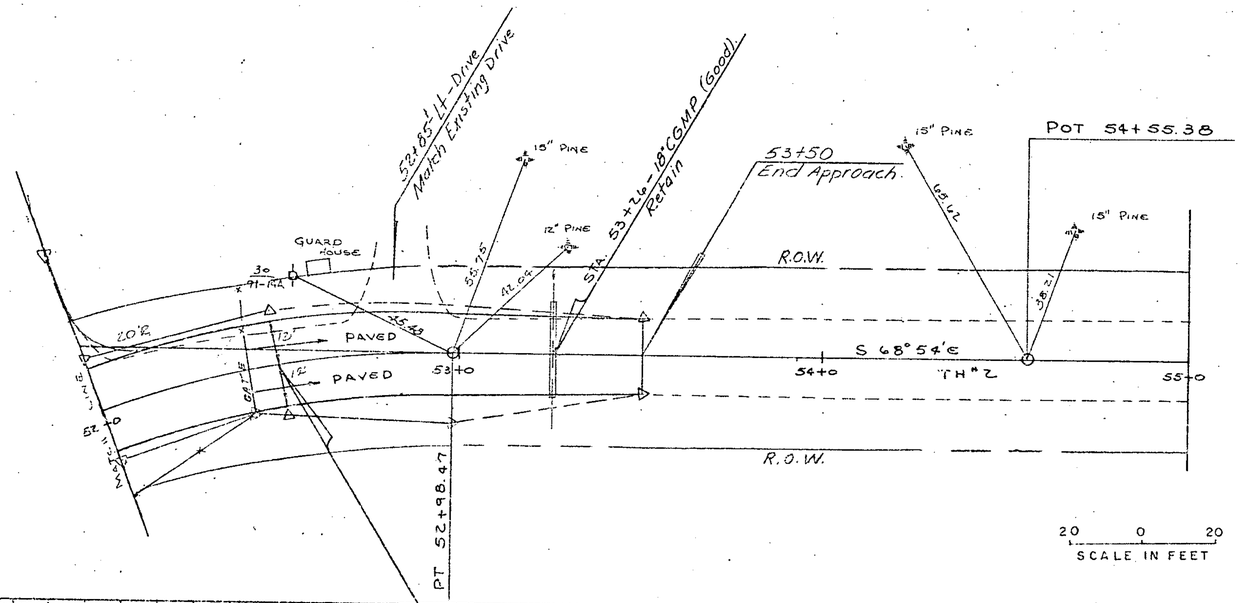
46 47 48 49 50 51 52

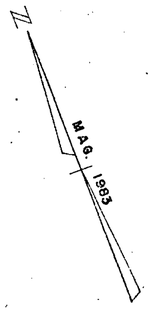
JERICHO
A-AD-0004(1)

SHEET 32 OF 80

PLATE 1. PLAN-PROFILE

4" REFLECTORIZED YELLOW LINE
℄
52+00-53+00 DOUBLE
(53+00-53+50 MATCH EXISTING LINES)

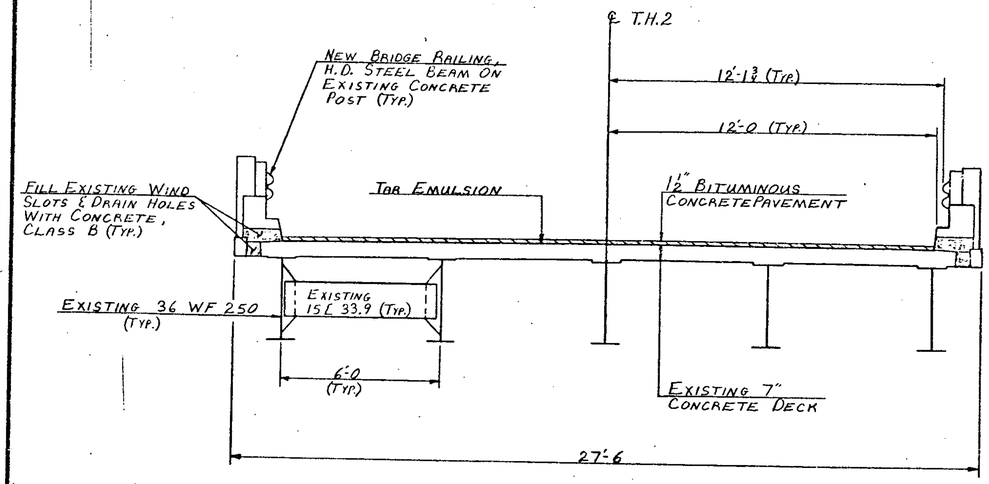




DATUM
VERTICAL NGVD 1929*
HORIZONTAL N/A

JERICHO
A-AD-0004(1)
SHEET 33 OF 80

K&E PLATE 1, PLAN-PROFILE

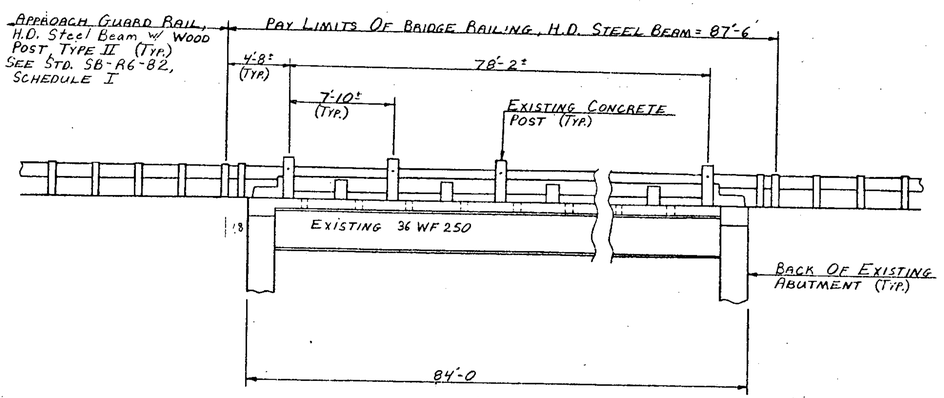


BRIDGE TYPICAL SECTION
SCALE ⅜" = 1'-0

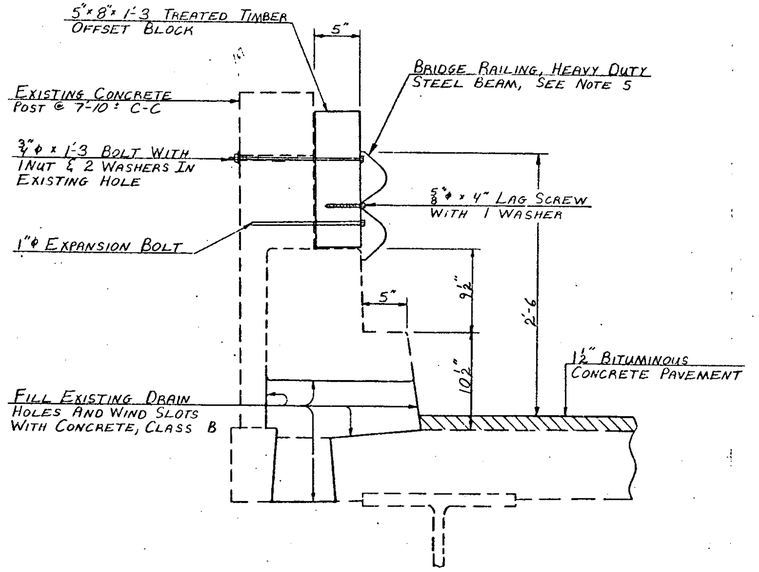
NOTES

1. THE EXISTING DECK SURFACE SHALL BE THOROUGHLY CLEANED AND SAND BLASTED DOWN TO SOUND CONCRETE BEFORE THE TAR EMULSION IS APPLIED. ALL WORK AND MATERIALS NECESSARY FOR CLEANING THE DECK SHALL BE SUBSIDIARY TO THE ITEM 'TAR EMULSION'. NO TRAFFIC SHALL BE ALLOWED ON THE TAR EMULSION.

2. THERE SHALL BE A ONE INCH DEEP × ½ INCH (MAX.) WIDE SAW CUT THE FULL WIDTH OF THE PAVEMENT, ON EACH END OF THE BRIDGE. THESE SAW CUTS SHALL BE FILLED WITH HOT POURED JOINT SEALER, COST SHALL BE SUBSIDIARY TO THE ITEM 'BITUMINOUS CONCRETE PAVEMENT'.



ELEVATION
SCALE 3/16" = 1'-0



CURB AND RAILING DETAIL
SCALE 1½" = 1'-0

PROJECT DESCRIPTION
THE EXISTING STRUCTURAL STEEL SHALL BE PAINTED. THE EXISTING CONCRETE SHALL BE PATCHED AND THE WIND SLOTS AND DRAIN HOLES FILLED WITH CONCRETE. NEW STEEL BEAM BRIDGE RAILING SHALL BE INSTALLED AND THE BRIDGE SHALL BE PAVED.

EXISTING BRIDGE DATA
BUILT IN 1941 AS PROJECT # SAB/1941
OVERALL LENGTH = 84'
OVERALL WIDTH = 27'-6
CURB TO CURB = 24'
CLEAR SPAN = 69'
WATERWAY = 520 sq'
CLEARANCE = 7.5'
5 - 36 WF 250 BEAMS
7" CONCRETE DECK

LIST OF STANDARDS

E-3	12-15-78 R
E-7	2-2-83R
E-7a	4-8-82 R
G-16	11-25-80R
SB-R6-82	6-18-82R
SCB-D1-75	9-14-81R

NOTES (CONT.)

3. ONE WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES UNDER THE ITEM 'MAINTANCE OF TRAFFIC FOR BRIDGE PROJECTS'. THE COST OF ALL SIGNS AND BARRICADES FOR BRIDGE WORK SHALL BE SUBSIDIARY TO THIS ITEM.
4. ALL STRUCTURAL STEEL SHALL BE CLEANED AND PAINTED IN ACCORDANCE WITH SECTION 513 OF THE SPECIFICATIONS, UNDER THE ITEM 'PAINTING, BLAST CLEANING'.
5. NEW HEAVY DUTY STEEL BEAM BRIDGE RAILING SHALL BE INSTALLED ON THE EXISTING CONCRETE POST, AS SHOWN ON THESE PLANS. SEE STANDARDS SB-R6-82 AND G-16 FOR OTHER DETAILS. ALL WORK AND MATERIALS NECESSARY FOR INSTALLING THE RAILING SHALL BE PAID FOR UNDER THE ITEM 'BRIDGE RAILING, HEAVY DUTY STEEL BEAM'.
6. THE EXISTING WIND SLOTS AND DRAIN HOLES SHALL BE FILLED WITH 'CONCRETE, CLASS B'.
7. ALL SPALLED AREAS OF THE EXISTING CONCRETE POSTS, CURBS, DECK AND WINGWALLS SHALL BE CLEANED TO SOUND CONCRETE AND PATCHED WITH 'MORTAR, TYPE IV'.
8. WATER REPELLENT SHALL BE APPLIED TO ALL EXPOSED CONCRETE SURFACES EXCEPT BETWEEN FASCIA BEAMS ON THE BOTTOM OF THE DECK.

BRIDGE QUANTITIES

NO.	ITEM	UNIT	TOTAL	FINAL
404.45	TAR EMULSION	GAL.	70	
406.25	BITUMINOUS CONCRETE PAVEMENT	TON	20	
501.25	CONCRETE, CLASS B	C.Y.	4	
513.35	PAINTING, BLAST CLEANING (54.2 TONS)	L.S.	1	
514.10	WATER REPELLENT	GAL.	15	
518.54	MORTAR, TYPE IV	C.Y.	3	
617.35	BRIDGE RAILING, H.D. STEEL BEAM	L.F.	175	
637.10	MAINTENANCE OF TRAFFIC FOR BRIDGE PROJECTS	L.S.	1	

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TOWN OF JERICHO	Bridge No. 18
	Log Sta.
HIGHWAY NO. T.H.2	Surv. Sta. 21+31
T.H.# 2 OVER THE LEE RIVER	
BRIDGE DETAILS	
Designed by DAVID WILLEY	Drawn by DAVID WILLEY
Checked by G. SCHELLEY date 7/83	Bridge Design Supervisor date
PROJECT JERICHO	PROJECT NO. A-AD-000-4(1)
Bridge Sheet No. BR-100	Sheet 36 of 80

BRIVING 44-131 58784
BR-6-83

6"W8
R
+38

6"W8
R
+19

625.00

NORMAL

620

12+00

15"W8
Save
R
+99

625.60

NORMAL

620

36"M
15
Save

11+50

626.20

NORMAL

620

11+00

626.80

℄ pipe

℄ pipe

NORMAL

620

Note: Use Gravel Surface Course from 201.10 for Sub base for drives.

10+50

Begin Project
End Approach Construction

3-4"E
A
+38

10+00±

Begin Approach Construction

℄ T.H. #2

622.65

620

519.5

14+00

623.20

620

13+50

623.60

NORMAL

620

13+00

624.27

℄ pipe

℄ pipe

NORMAL

620

INVERT 616.50

INVERT 617.50

12+61
As Raw 90°
18" ACCGMP - Remove

12+61
New 18 x 48" ACCGMP (66A)

624.40

NORMAL

620

10-E
+46

620

12+50

℄ T.H. #2

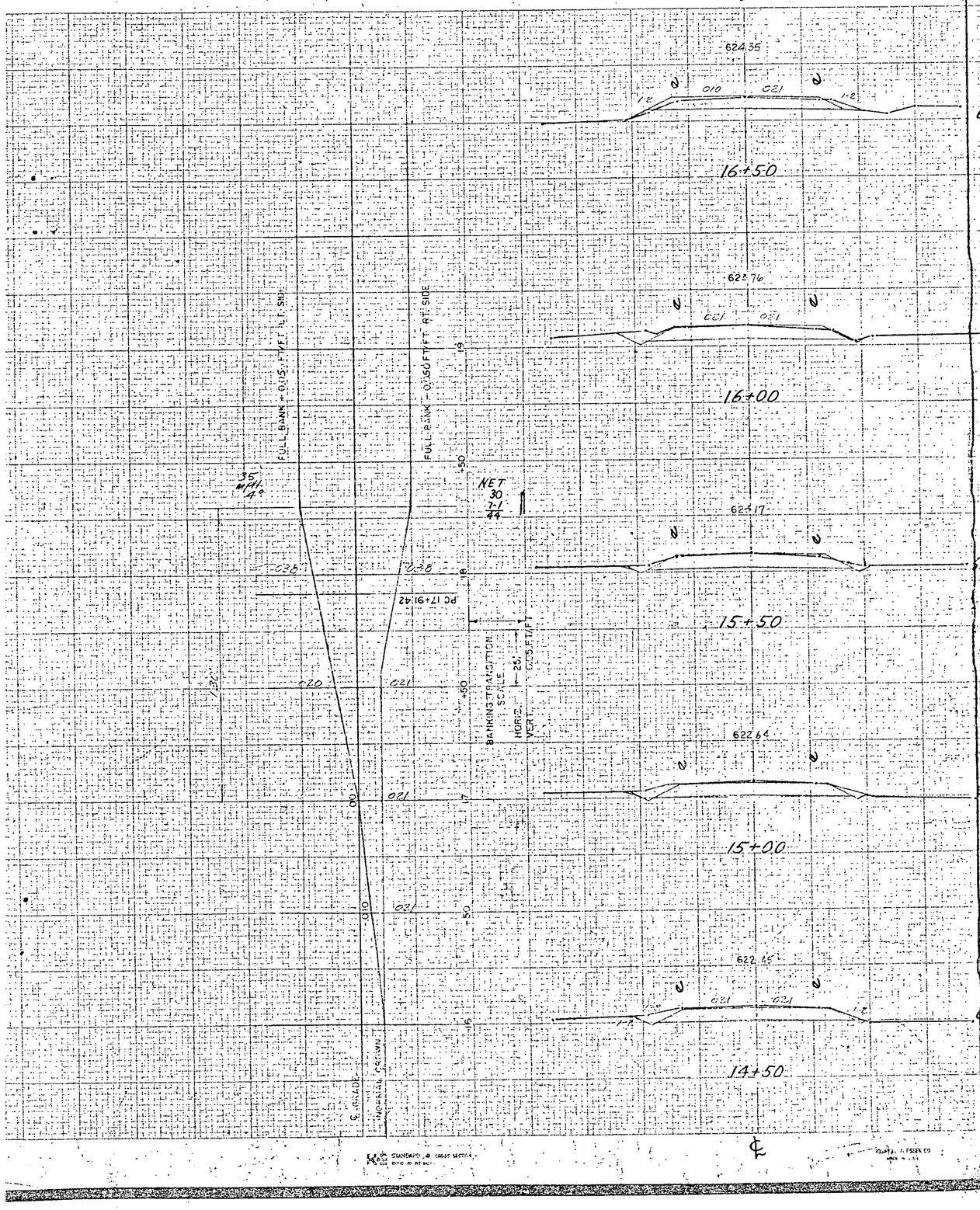
STA 10+00 ~ 14+00
JERICHO
A-AD-0004(1)
Surveyed Lavallee JAN 83
SHEET 71 OF 80

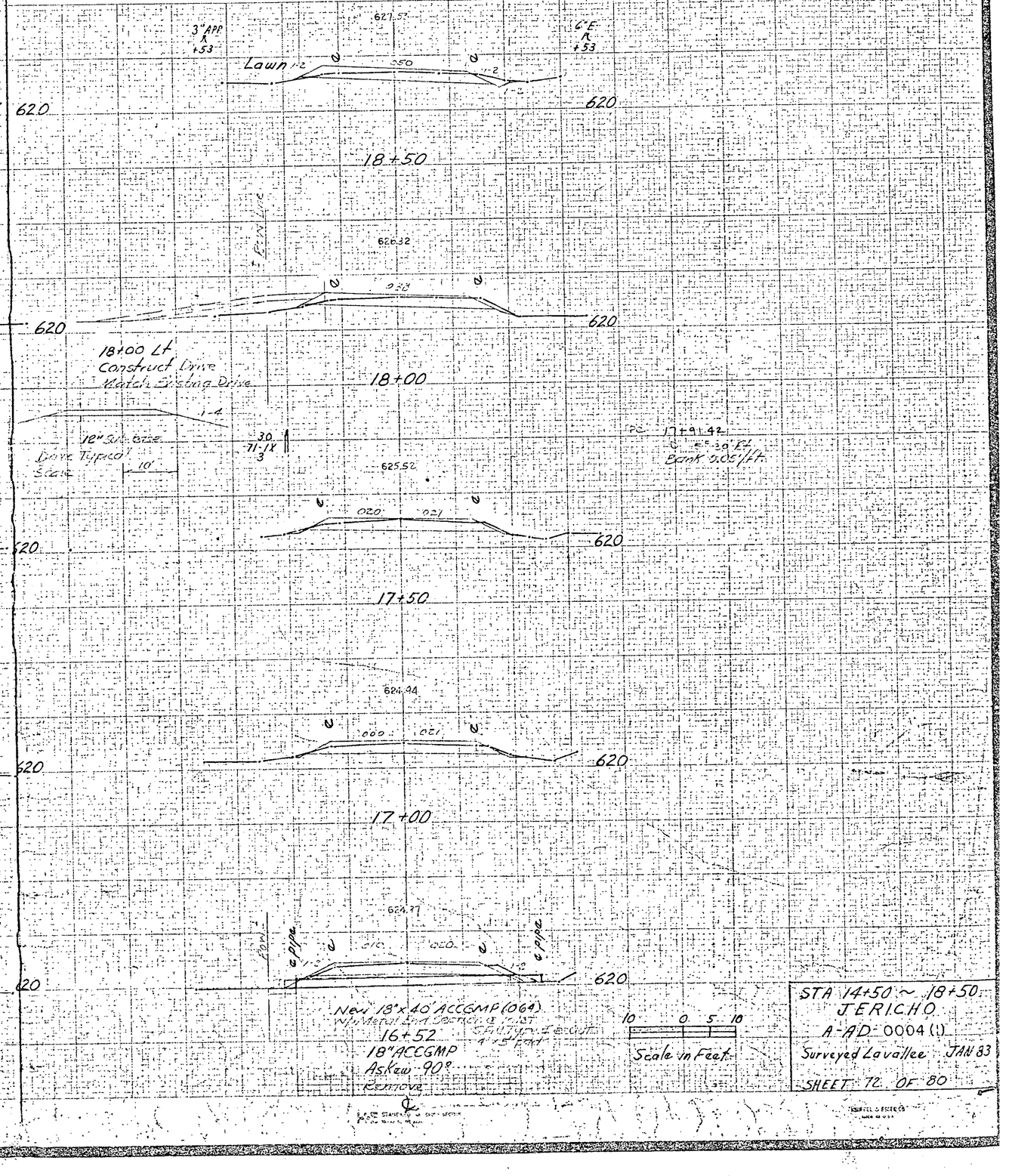
10 0 5 10
Scale in Feet

FINAL SURVEY
NOTE BOOK

ORIGINAL SURVEY NOTE BOOK

REVISION 2-83


624.35
.010
.021
1:2
620
16+50
625.76
.021
.021
620
16+00
NET
30
1-1
44
625.17
620
15+50
FULL BANK = 6015 FT² LT SIDE
FULL BANK = 0.50 FT² RT SIDE
35
4PH
4°
.036
.036
PC 17+91.42
.020
.021
.021
.010
.021
622.64
620
15+00
622.45
.021
.021
620
14+50
BANKING TRANSITION
SCALE
HORIZ. — 25
VERT. 0.25 FT/FT
MEDIAN CROWN
S. RIDGE DR.


3" APP
R
+53
621.53
Lawn
1:2
.050
1:2
620
18+50
626.32
.030
620
18+00 Lt
Construct Drive
Match Existing Drive
1:4
18" Sch. 40 CPP
Drive Type C
Slope
10'
30
71.1%
3
625.52
.020
.021
620
17+50
624.94
.020
.021
620
17+00
624.27
.010
.020
620
New 18"x40' ACCGMP (1064)
W/ Metric End Sections & Bolt
16+52
18" ACCGMP
Askew 90°
Remove
10 0 5 10
Scale in Feet
PC 17+91.42
Bank 0.05 Ft²
STA 14+50 ~ 18+50
JERICHO
A-AD-0004(1)
Surveyed Lavallee JAN 83
SHEET 72 OF 80

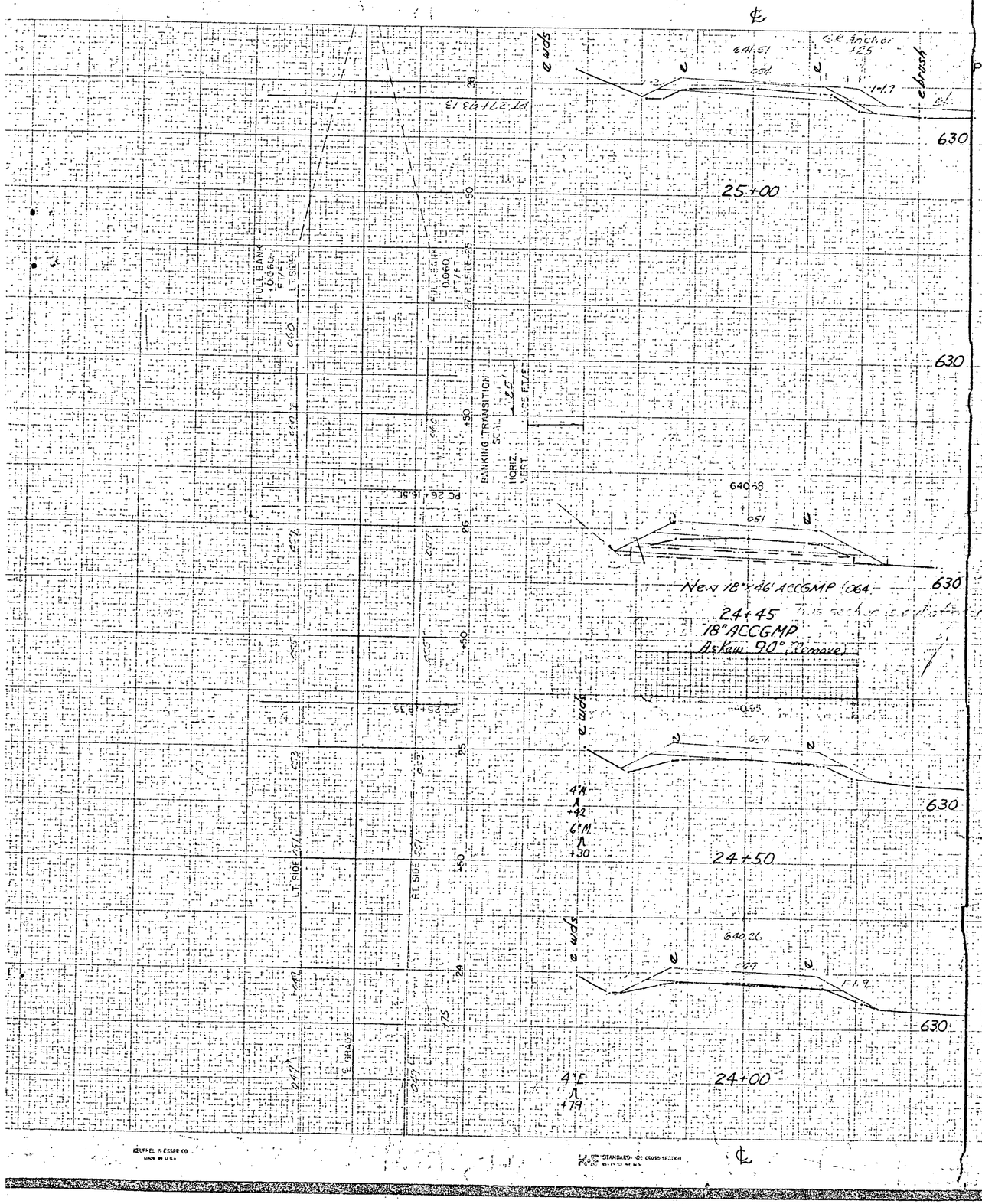
℄

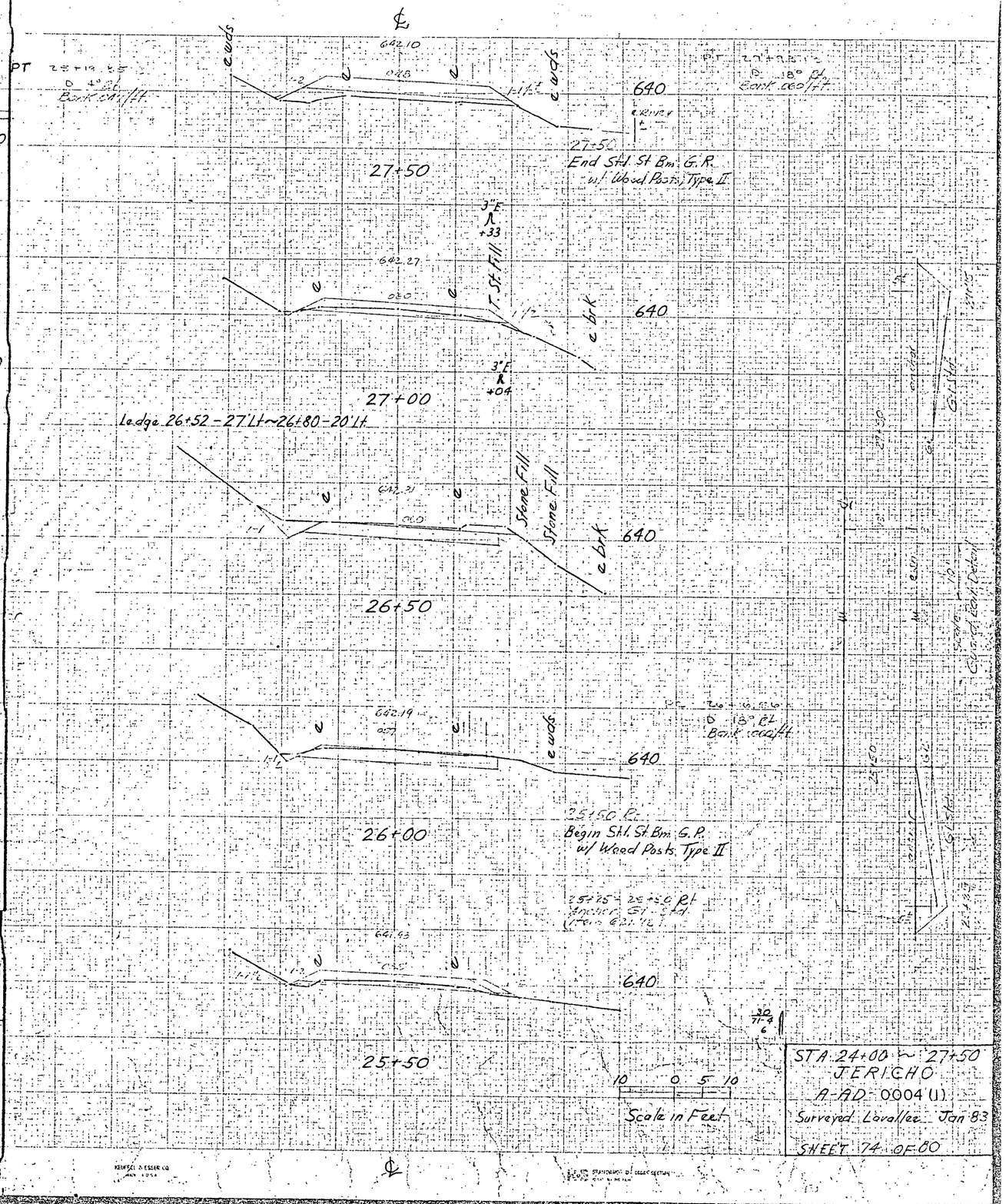
℄ T.H. #2

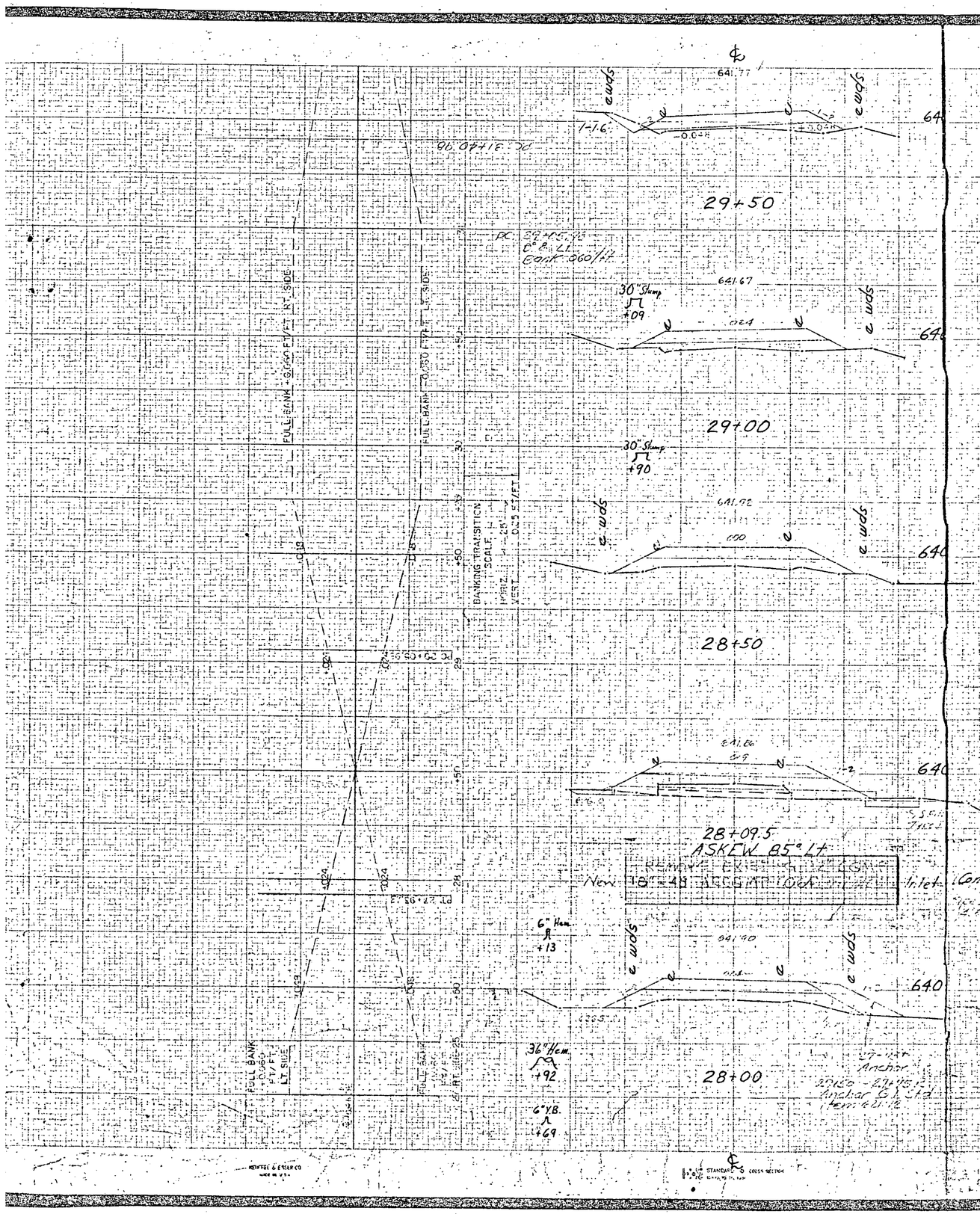
℄ T.H. #2

STA 19+00 ~ 23+50
JERICHO
A-AD-0004(1)
Surveyed Lavallee JAN 83

SHEET 73 OF 80


℄
e wds
641.51
C.R. Anchor
125
664
1-1.7
e brush
PT 27+93.13
630
25+00
FULL BANK
0.060
CFS/FT
27 RISE-25
50
640
LT SIDE
BANKING TRANSITION
SCALE
HORIZ
VERT
PC 26+16.51
640.68
651
New 18"x46' ACCGMP 1064
630
24+45
18"ACCGMP
Askew 90° (Remove)
PT 25+16.33
4"M
+42
6"M
+30
24+50
640.26
659
1-1.7
4"E
+79
24+00
STANDARD - 01 CROSS SECTION


℄
e wds
642.10
1-1.7
PT 27+26.5
D 18° 00'
Bank .060/ft
640
e River
℄
27+50
End Std. St. Bm. G.R.
w/ Wood Posts, Type II
3"E
+33
642.27
1-1.7
e brk
27+00
3"E
+04
Ledge 26+52 - 27'Lt - 26+80 - 20'Lt
642.31
1-1
Stone Fill
26+50
D 18° 00'
Bank .060/ft
642.19
1-1.7
26+00
25+50 Pt.
Begin Std. St. Bm. G.P.
w/ Wood Posts, Type II
641.63
1-1.7
25+50
10 0 5 10
Scale in Feet
STA. 24+00 ~ 27+50
JERICHO
A-AD-0004(1)
Surveyed Lavallee Jan 83
SHEET 74 OF 80


℄
641.77
Spoil
Spoil
1-1.6
-0.0-R
29+50
PC 29+40.06
D=8 Lt
Bank 360/Ft
641.67
30" Stump
+09
Spoil
Spoil
029
29+00
30" Stump
+90
641.92
Spoil
Spoil
030
28+50
641.60
Spoil
640
28+09.5
ASKEW 85° Lt
Remove Existing 15" CMP
New 18"x48" ACCMP Culv
Inlet
6" Hem
+13
Spoil
Spoil
641.40
640
36" Hem
+92
28+00
6" YB
+69
FULL BANK
0.050 Ft/Ft
RT. SIDE
FULL BANK
0.050 Ft/Ft
LT. SIDE
BANKING TRANSITION
HORZ 1"=20'
VERT 0.05 Ft/Ft
STANDARD CROSS SECTION
KELLFEL & ESSER CO
℄
643.00
Spoil
Spoil
1-1.2
-0.0-R
Plowed Gnd
640
32+00
642.75
Spoil
Spoil
031
Plowed Gnd
640
PT 31+33.98
D=8 Lt
Bank 360/Ft
31+50
12" Sub base
25
1-1.2
Drive Typical Profile at Culvert
Scale 10
℄ 31+00
642.50
Spoil
Drive
Plowed Grd
640
25' Lt gate
31+00 Lt
30' Lt Drive (16 wide)
Do not disturb gate
31+00
Drive Lt
Remove Existing 15" CMP
New 15"x36" Out P=COMPUTED
CMCP 560.
ACCP Cl. III
642.25
Spoil
Plowed Gnd 640
Drive Typical @ 30+25 Lt (16 wide)
Scale 10
Refer to Layout of Drive
30+50
643.0
6" M
+37
18" Stump
+14
18" Stump
+02
30+25
642.50
640
30+25 ± Pt
Construct Drive
30
71.5
7
Constr. In. & Out Ditches
See I.S. Sht 5 of 12 typ
30+00
10 0 5 10
Scale in Feet
STA. 28+00 ~ 32+00
JERICHO
A-AD-0004 (1)
Surveyed Lavallee Jan 83
SHEET 75 OF 00
KELLFEL & ESSER CO
STANDARD CROSS SECTION

FINAL SURVEY — SURVEYED — PLOTTED — TEMPLATE — AREAS — QUANTITIES CHECKED — NOTE BOOK — NO. — BY — DATE

ORIGINAL SURVEY — SURVEYED — PLOTTED — TEMPLATE — AREAS CHECKED — NOTE BOOK — NO. — BY — DATE — 7-83 — 1-84

LAYNE WESTERN COMPANY, INC. R. CASSITY

BRUNING 40-105 53428

34+50 — 641.25 — Plowed Gnd — 640 — Type I Ditch — Temp Dike — Fence above rdwy limits — 4" Grade to Drain — 12" CMP — 24' — 1:2 — 1:2 — 0.20 — 0.23 — +00G — +00E — 012 — 012 — 50 — 35 — PT 34+23.38

34+00 — 643.70 — Plowed Gnd — 640 — Type I 4'x6' pan — 6" Hdm @ +87 — Fence to drain — 1:2 — 1:2 — 0.20 — 0.23 — 50 — 34 — FULL BANK - 0.030 FT/FT LT SIDE — FULL BANK - 0.030 FT/FT RT SIDE — PI 34+32.69

33+50 — 643.75 — Plowed Gnd — 640 — 2-4'E @ +52 — Type I 4'x6' pan — Type I Ditch — 1:2 — 1:2 — 0.23 — 0.23 — 50 — 35 — PI 33+50.00 — 24" CMP — 24' — 1:2 — 1:2 — 0.23 — 0.23 — 50 — 35 — FULL BANK - 0.060 FT/FT RT SIDE — FULL BANK - 0.060 FT/FT LT SIDE — PI 32+98.04

33+00 — 643.50 — Plowed Gnd — 640 — 6"E @ +21 — 1:2 — 1:2 — 0.33 — 0.51 — 50 — 32 — 24" CMP — 24' — 1:2 — 1:2 — 0.51 — 0.51 — 50 — 32 — 86 CY + 15 LF — 4 GRADE — 015 — 015 — 033 — 056 — +15 — +15 — +50 — +50 — PI 32+50.00

32+50 — 643.25 — Plowed Gnd — 640 — 1:2 — 1:2 — 0.23 — 0.23 — 50 — 31 — 24" CMP — 24' — 1:2 — 1:2 — 0.23 — 0.23 — 50 — 31

PLATE 3 FULL CROSS SECTION
CHARLES BRUNING COMPANY
MADE IN U.S.A.

37+00 — 645.40 — Plowed Gnd — 640 — 15"E @ +00 — 6" Oak Save +76 — 1:2 — 1:2 — 0.20 — 0.23 — 50 — 36 — 24" CMP — 24' — 1:2 — 1:2 — 0.23 — 0.23 — 50 — 36

36+50 — 645.82 — Plowed Gnd — 640 — 4" Oak @ +29 Save — 1:2 — 1:2 — 0.23 — 0.23 — 50 — 36 — 24" CMP — 24' — 1:2 — 1:2 — 0.23 — 0.23 — 50 — 36

36+00 — 645.65 — Plowed Gnd — 640 — 1:2 — 1:2 — 0.23 — 0.23 — 50 — 36 — 24" CMP — 24' — 1:2 — 1:2 — 0.23 — 0.23 — 50 — 36

35+50 — 641.97 — Plowed Gnd — 640 — 10" Pine @ +96 — 1:2 — 1:2 — 0.23 — 0.23 — 50 — 35 — 24" CMP — 24' — 1:2 — 1:2 — 0.23 — 0.23 — 50 — 35

35+00 — 644.56 — Plowed Gnd — 640 — 1:2 — 1:2 — 0.23 — 0.23 — 50 — 35 — 24" CMP — 24' — 1:2 — 1:2 — 0.23 — 0.23 — 50 — 35

10 0 5 10 — Scale in feet

STA 32+50 ~ 37+00
JERICHO
A-AD-0004(1)
Surveyed Lavallee Jan. 83
SHEET 76 OF 80

FINAL SURVEY — SURVEYED — PLOTTED — TEMPLATE — NOTE BOOK — AREAS — AREAS CHECKED — NO — DATE

ORIGINAL SURVEY — SURVEYED Lavallee 1-83 — PLOTTED Lavallee 1-83 — TEMPLATE CLASSIFIED — NOTE BOOK — AREAS — AREAS CHECKED — NO — DATE

BRUNING 40-105 53428

12" Subbase
26'

Drive Typical
Scale 1"=10'

STA 37+25 ~ 41+25
JERICHO
A-AD-0004(1)
Surveyed Lavallee Jan 83

SHEET 77 OF 80

10 0 5 10
Scale in Feet

PLATE 3 FULL CROSS SECTION
CHARLES BRUNING COMPANY
MADE IN U.S.A.

FULL BANK +0.060 FT/FT RT SIDE

FULL BANK -0.060 FT/FT LT SIDE

BANKING TRANSITION SCALE FT/FT HORIZ 0.02 VERT

FULL BANK -0.021 FT/FT LT SIDE

FULL BANK -0.021 FT/FT RT SIDE

℄ GRADE

PC 47+57.22

PT 48+45.93

PC 44+99.26

6" E. +1.16 — lawn — 652.19 — Plowed Gnd. — 650 — NORMAL — 43+50

10" Bol. +1.09 — 654.35 — Plowed Gnd. — 650 — 4.6'E +1.06 — 30 11-10 1.2 +1.02 — 46+00

30" M +1.71 — 36" M Save +1.71 — 6" M Save +1.50 — 653.83 — Plowed Gnd. — 650 — 45+50

lawn — 651.76 — Plowed Gnd. — 650 — NORMAL — 43+00

lawn — 651.33 — Plowed Gnd. — 650 — NORMAL — U.S. Tel. Mkr. +1.62 — 30 71-9 11 +1.62 — 42+50

8" SI Cly. Save +1.28 — 30 71-9A +1.15 — 45+00

lawn — 650.92 — Plowed Gnd. — 650 — NORMAL — 42+00

6" Spr +1.92 — Light Post +1.77 — 44+50

lawn — 650.60 — Plowed Gnd. — 650 — NORMAL — 41+50

Field — 653.00 — Plowed Gnd. — 650 — 44+00

653.4 — Plowed Gnd. — 650

650.59 — Plowed Gnd. — 650

STA. 41+50 ~ 46+00
JERICHO
A-AD-0004(1)
Surveyed Lavallee Jan 83
SHEET 78 OF 80

10 0 5 10 Scale in Feet

PLATE 3 FULL CROSS SECTION
CHARLES BRUNING COMPANY
MADE IN U.S.A.

BRUNING 40-105 53428

FINAL SURVEY — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — NOTE BOOK — NO. — BY — DATE

ORIGINAL SURVEY — SURVEYED LAVALLEE — PLOTTED CARPENTER — TEMPLATE R. CASSIDY — AREAS — AREAS CHECKED — NOTE BOOK — NO. — DATE 12-83 1-84 2-84

FINAL SURVEY — DRAFTED / CHECKED / TEMPLATE / AREAS / AREAS CHECKED / NOTE BOOK / NO. / DATE

ORIGINAL SURVEY — DRAFTED / CHECKED / NOTE BOOK / AREAS / AREAS CHECKED / NO. / DATE 2-83 / BY R. CASSIDY

BRUNING 46 1059428

℄ ℄

650.37 Plowed Gnd 1:1.65

PC 47+57.20 D=20° Lt Bank .660/ft

48+00

15" Willow Save +73 Refer to R.O.W. Special Agreements 657.0℄

Plowed Gnd

650

47+50

36" M Save +34

36" M Save +19

655.96 Plowed Gnd

650

10" Bal Save +84

47+00

36" M +61

655.05 Plowed Gnd

650

30" M Save +48

PT 49+76.47

46+50

Drive Typical 1:30 Scale 1"=10'

654.46 Plowed Gnd

Drive

650

46+85.41 Construct Drive (16')

46+30 Drive Lt. New 15"x36" Oval Pipe CGMP (16ga) CAGP (16ga) 1 CF Cl III

663.85 Plowed Gnd

Do not disturb fence

PT 49+92.47 D=20° Lt Bank .660/ft

50+00

650

Plowed Fill

658.69

Drive

Gate

Stone Fill Type I

49+50

650

661.37 Drive

650

49+00

659.86 Drive

46+45.93 PC Lt Bank .660/ft

650

48+50 Drive Rt.

10' Slope

1:10 Slope

Typical Construct Approach at 46+62 Rt.

Scale in Feet 10 0 5 10

FULL BANK +0.060 FT/FT LT SIDE

FULL BANK +0.060 FT/FT RT SIDE

℄ GRADE

PC 50+66.50

PANNING TRANSITION SCALE 1" = 10' HORIZ. VERT.

FULL BANK -0.060 FT/FT RT SIDE

FULL BANK -0.060 FT/FT LT SIDE

STA 46+30 to 50+00
JERICHO
A-AD-0004(1)
Surveyed Lavallee Jan 83
SHEET 79 OF 80

PLATE 3 FULL CROSS SECTION
CHARLES BRUNING COMPANY
MADE IN U.S.A.

FINAL SURVEY — SURVEYED — PLOTTED — NOTE BOOK — AREA — AREA CHECKED — BY — DATE — NO.

ORIGINAL SURVEY — SURVEYED: LAVALLEE / CARPENTER / R. CASSIDY — PLOTTED: 1-83 — NOTE BOOK: 2-83 — AREA — AREA CHECKED — BY — DATE — NO.

BRUNING 40-105 53428

℄ ℄

666.75 — 666.65 — 666.23 — 665.61 — 664.82 — 667.28

lawn — fn — Pavement 669.3 — Pavement 668.2 — Mowed — Asphalt File — Drive — Drive Typical Sta 32+00 — Scale 10' — Grade Coastr. Drive (16' wide) — 12" Subbase — 16' — 1" — 2" — 3" — 4" — 6" — 2" — 1½"

32+00 — 51+90 Drive Lt. — 51+50 — 51+00 — 50+50 — 53+50 — 53+00 — 52+50 End Project Begin Approach Construction — 52+98.67 PT — 52+40 — 52+60

E GRADE — NORMAL CROWN — BANKING TRANSITION SCALE — HORIZ 25' = 1" — VERT 5' = 1" — 00 — 05 — 10 — 15 — 20 — 25 — 30 — 35 — 40 — 45 — 50 — 55 — 56 — 54 — 58 — 52 — 60 — 62

FULL BANK = 0.060 FT/FT. L. SIDE — FULL BANK = 0.060 FT/FT. RT. SIDE

+0.060 — −0.060 — +0.036 — −0.036 — +0.012 — −0.012

197 Do not disturb well — I.P. +89 — 30" M Save +59 — Transition to be adjusted as needed — Do not disturb fence — Pavement 669.3 — 30 — 11-1/4 — +59 — PC 50+00.55 — D 22° 0' Ft. Back 060'/Ft. — PT 52+98.67 — D 22° 0' Ft. Back 060'/Ft. — End Approach Construction — Construct Drive Match Existing Drive — ℄ Transition Scale 1" = 10'

STA 50+50 ~ 53+50
J.E.R.I.C.H.O.
A-AD-0004(1)
Surveyed Lavallee Jan 83
SHEET 30 OF 30

10 0 5 10 — Scale in Feet

PLATE 3 FULL CROSS SECTION
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