INDEX OF SHEETS

1	TITLE SHEET
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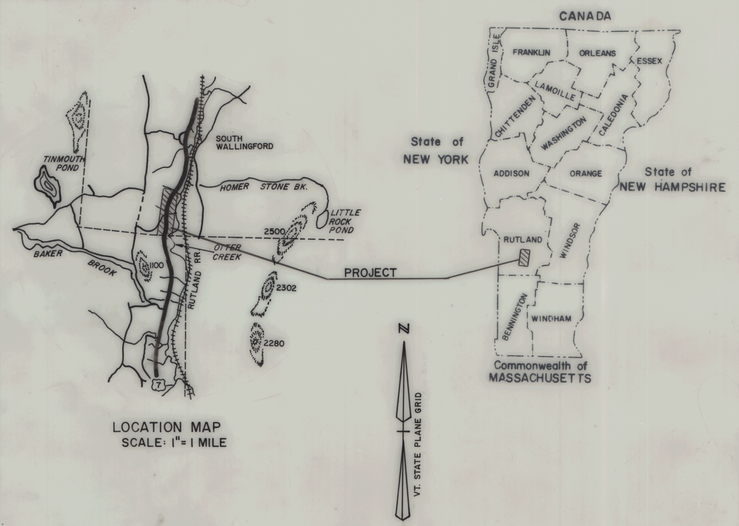
STATE OF VERMONT
AGENCY OF TRANSPORTATION

PROPOSED IMPROVEMENT
TOWN OF WALLINGFORD
COUNTY OF RUTLAND
U.S. ROUTE 7

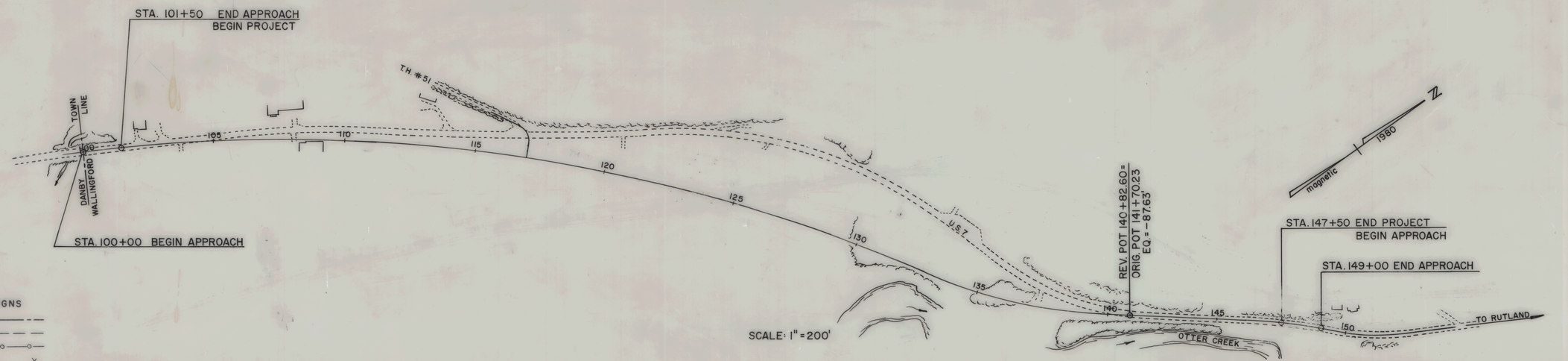
BEGINNING AT THE DANBY—WALLINGFORD TOWN LINE AND EXTENDING NORTHERLY 0.855 MILES.

LENGTH OF ROADWAY 4512.37 FEET= 0.855 MILES.
LENGTH OF PROJECT 4512.37 FEET= 0.855 MILES.

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES RECONSTRUCTION AND REALIGNMENT OF A PORTION OF U.S. RTE.7 TO INCLUDE GRADING, DRAINAGE, SUB-BASE, AND PAVEMENT.



LOCATION MAP
SCALE: 1" = 1 MILE



SCALE: 1" = 200'

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 _____
HORIZONTAL _____

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

SUBMITTED BY ORDER OF THE STATE TRANSPORTATION BOARD

APPROVED _____ DATE _____
CHIEF ENGINEER

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED _____ DATE _____
DIVISION ADMINISTRATOR

PROJECT RS № 0137 (5)
WALLINGFORD
SHEET 1 OF 12 SHEETS

D-10

S.R.S. 12/17/70

BRUNING 44-131 40592-1

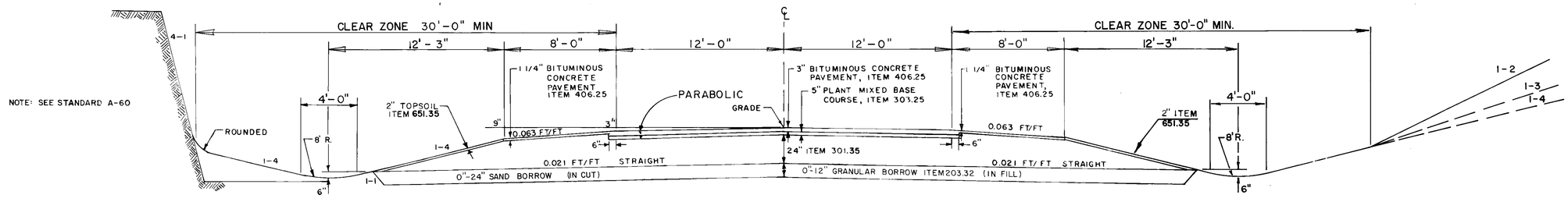
U.S. RTE. 7 TYPICAL SECTIONS

3" BITUMINOUS CONCRETE PAVEMENT, ITEM 406.25 (± 1/4" FOR TOTAL THICKNESS)
5" PLANT MIXED BASE COURSE, ITEM 303.25 (± 1/2")
24" SUBBASE OF DENSE GRADED CRUSHED STONE, ITEM 301.35 (±1/2")

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

0"-12" GRANULAR BORROW, ITEM 203.32 (IN FILL) (±1") }
0"-24" SAND BORROW, ITEM 203.31 (IN CUT) (±1") } TO BE PLACED AS NOTED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

PERMISSIBLE TOLERANCES IN PARENTHESES APPLY TO THICKNESS ONLY.



NORMAL SECTION

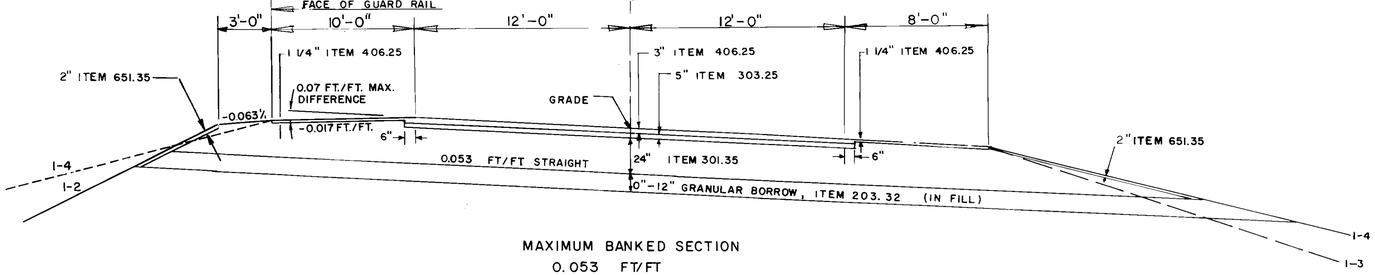
SEEDING FORMULA, ITEM 651.15
RURAL AREAS

%WT	LBS./A	NAME	PUR. %	GERM %
3.33	2	CROWN VETCH	97	75
50.00	30	CREEPING RED FESCUE	98	85
8.33	5	TIMOTHY	99	85
5.00	3	HIGHLAND BENT GRASS	92	85
16.67	10	PERENNIAL RYE GRASS (VAR. PENNFIRE)	95	85
8.34	5	ALFALFA (VAR. SARANAC)	99	85
8.33	5	BIRDSFOOT TREFOIL	98	85
100.00	60			

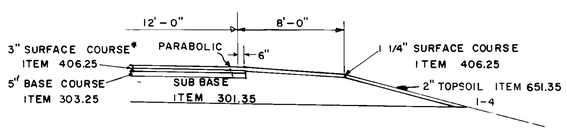
THE SEED MIXTURE SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE FROM ALL NOXIOUS WEED SEED
HAY MULCH, ITEM 651.25 TO BE PLACED ON ALL EARTH SLOPES AT THE RATE OF TWO TONS PER ACRE.
FERTILIZER, ITEM 651.18, SHALL BE MIXED AS FOLLOWS.

NITROGEN	10%
PHOSPHORUS	20%
POTASH	10%

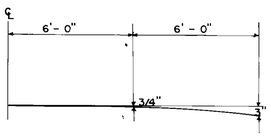
FERTILIZER SHALL BE DELIVERED IN BAGS OF NOT TO EXCEED 100 LBS EACH AND IS TO BE APPLIED AT THE RATE OF 500 LBS. PER ACRE.
AGRICULTURAL LIMESTONE, ITEM 651.20, TO BE APPLIED TO ALL EARTH SLOPES AT THE RATE OF TWO TONS PER ACRE OR AS DIRECTED BY THE ENGINEER.
WOOD MARKER POSTS, ITEM 619.15, TO BE PLACED AS DIRECTED BY THE ENGINEER.
FOR ROUNDING OF SLOPES, SEE STANDARD SHEET B-5



MAXIMUM BANKED SECTION
0.053 FT/FT



SHOULDER DETAIL



PARABOLIC DETAIL

SURVEYED BY _____ DATE _____
DRAWN BY _____ DATE _____
TRACED BY TOOLAN DATE 3/80
WALLINGFORD
PROJ. RS NO. 0137 (5)
SHEET OF

D-7

BRUNING 44-131 40592

EARTHWORK SHEET

STATE OF VERMONT
AGENCY OF TRANSPORTATION

V. C.	% GRADE	STATION	GRADES ELEVATION ON TANGENT	GRADES ELEVATION ON CURVES	GRADES CORR V. C.	DIST	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK CU. YDS.	ROCK EXCAVATION AREA	ROCK EXCAVATION CU. YDS.	EMBANKMENT AREA	EMBANKMENT CU. YDS.	AREA	CU. YDS.
		100+0	649.80				80							
		+50	651.85			100		881						
		101+0	653.90				396							
		+50	655.96			100		1207						
		102+0	658.01				256							
		+10	658.42											
		+10.01	658.42											
		+50	660.06			100.06		1030						
		+50.03	660.06											
		103+0	662.11											
		+00.06	662.11				300							
X		+50	664.16	664.16	0.00									
		+50.09	664.17	664.17	0.00									
		+75	665.19	665.17	-0.02	100.02		917						
		+75.09	665.19	665.17	-0.02									
		104+0	666.21	666.11	-0.10									
		+00.08	666.22	666.11	-0.10		195							
		+50	668.27	667.89	-0.38									
		+50.04	668.27	667.89	-0.38									
		+68	669.01	668.48	-0.53	99.92		703						
		+68.04	669.01	668.48	-0.53									
		105+0	670.32	669.46	-0.86		185							
		+49.90	672.37	670.84	-1.53									
		+50	672.37	670.84	-1.53	99.81		970						
		+99.81	674.42	672.03	-2.39		340							
		106+0	674.42	672.03	-2.39									
		+29.69	676.46	673.02	-3.44	99.74		1524						
		+50	676.47	673.02	-3.45									
		+99.55	678.51	673.83	-4.68		485							
		107+0	678.53	673.84	-4.69									
		+49.39	680.55	674.44	-6.11	99.67		1790						
X		+50	680.58	674.45	-6.13									
		+99.22	679.58	674.87	-4.71		455							
		108+0	679.57	674.88	-4.69									
		+14.16	679.28	674.96	-4.32									
		+15	679.26	674.96	-4.30									
		+49.02	678.58	675.11	-3.47	99.59		1706						
							CARRIED FORWARD	5990						
							COLUMN FOOTINGS	10728						

+ 4.1037 %

800' V.C.

C 4738
R -
F -
F. FAC 1.15
EX. C 4738

V. C.	% GRADE	STATION	GRADES ELEVATION ON TANGENT	GRADES ELEVATION ON CURVES	GRADES CORR V. C.	DIST	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK CU. YDS.	ROCK EXCAVATION AREA	ROCK EXCAVATION CU. YDS.	EMBANKMENT AREA	EMBANKMENT CU. YDS.	AREA	CU. YDS.
		108+49.02	678.58	675.11	-3.47									
		+50	678.55	675.10	-3.45									
		+98.81	677.57	675.15	-2.42		440				0			
		109+0	677.54	675.15	-2.39									
		+02.79	677.48	675.14	-2.34									
		+04	677.46	675.14	-2.32	99.51		1023				107		
		+48.57	676.56	675.01	-1.55									
		+50	676.53	675.00	-1.53									
		+98.32	675.55	674.67	-0.88		115				58			
		110+0	675.52	674.66	-0.86									
		+48.05	674.55	674.15	-0.40	99.44		295				972		
		+50	674.50	674.12	-0.38									
		+97.76	673.53	673.43	-0.10		45				470			
		111+0	673.49	673.39	-0.10									
		+47.45	672.53	672.53	0.00									
X		+50	672.48	672.48	0.00	99.37		167				2779		
		+93.15	671.60											
		+96.00	671.55											
		+97.13	671.53				46				1040			
		112+0	671.47											
		+46.87	670.52			99.79		150				3201		
		+50	670.45											
		+96.92	669.51				35				692			
		113+0	669.44											
		+46.99	668.49											
		+50	668.43			100.16		113				1803		
		+84.05	667.78											
		+85.00	667.72											
		+97.08	667.48				26				280			
		114+00	667.42											
		+22.14	666.97											
		+25	666.91			100.28		126				929		
		+47.20	666.46											
		+50	666.40											
		+97.36	665.45				42				220			
		115+00	665.39											
		+47.55	664.43			99.99		189				491		
							CARRIED FORWARD	189				491		
							COLUMN FOOTINGS	2063				10282		

- 2.0249 %

C 851
R -
F 9684
F. FAC 1.15
EX. F 10286

V. C.	% GRADE	STATION	GRADES ELEVATION ON TANGENT	GRADES ELEVATION ON CURVES	GRADES CORR V. C.	DIST	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK CU. YDS.	ROCK EXCAVATION AREA	ROCK EXCAVATION CU. YDS.	EMBANKMENT AREA	EMBANKMENT CU. YDS.	AREA	CU. YDS.
		115+47.55	664.43											
		+97.35	663.42					60				45		
		116+0	663.37											
		+26.54	662.83											
		+30	662.76											
		+45.98	662.44				97.12	315				81		
		+50	662.35											
		+70.24	661.94											
		+75	661.85											
		+94.47	661.46					115				0		
		117+0	661.34											
		+01.06	661.20											
		+13	661.08				96.66	215				90		
		+42.84	660.48											
		+50	660.33											
		+91.13	659.50					5				50		
		118+0	659.32											
		+39.35	658.52				96.40	9				277		
		+50	658.30											
		+81.53	657.55				0					105		
		119+0	657.29											
		+25.69	656.57				96.33					508		
		+50	656.28											
		+82.86	655.60									150		
		120+0	655.27											
		+32.55	654.62				96.44					884		
		+50	654.25											
		+80.30	653.64									315		
		121+0	653.24											
		+28.62	652.66				96.74					1496		
		+50	652.23											
		+77.04	651.68									520		
		122+0	651.22											
		+25.59	650.70				97.24					1963		
		+50	650.20											
		+74.28	649.72									570		
										0		4343		
										539		5299		

- 2.0249 %

C 728
R -
F 1447
F. FAC. 1.15
EX. F 936

PROJECT NAME WALLINGFORD
PROJECT NUMBER RS 0137(5)

SHEET 3 OF 12 SHEETS

D-5 JAN 85

BRUNING 65083

EARTHWORK SHEET

STATE OF VERMONT
AGENCY OF TRANSPORTATION

V.C.	%GRADE	STATION	GRADES ELEVATION ON TANGENT	GRADES ELEVATION ON CURVES	CORR V.C.	DIST	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK CU. YDS.	ROCK EXCAVATION AREA	ROCK EXCAVATION CU. YDS.	EMBANKMENT AREA	EMBANKMENT CU. YDS.		
													AREA	CU. YDS.
		122+74.28	649.72								570			
		123+0	649.19										C	—
		+23.15	648.73			9793						1841	R	—
		+50	648.18										F	7659
		+72.21	647.73								445		F.FAC.	1.15
X		124+0	647.17	647.17	0.00								EX. F	8808
		+22.01	646.73	646.74	0.01	10019						1475		
		+50	646.15	646.21	0.06									
	-2.0249%	+72.40	645.71	645.84	0.13						350			
		125+0	645.14	645.40	0.26									
		+22.74	644.68	645.07	0.39	10064						1072		
		+50	644.13	644.71	0.58									
		+73.04	643.66	644.43	0.77						225			
		126+0	643.12	644.14	1.02									
		+23.29	642.65	643.93	1.28	10045						1910		
		+50	642.11	643.71	1.60									
		+73.49	641.63	643.55	1.92						802			
		127+0	641.10	643.41	2.31								C	1062
		+23.67	640.62	643.30	2.68	10032						3089	R	—
		+50	640.08	643.22	3.14								F	10317
		+73.81	639.60	643.18	3.58						861		F.FAC	1.15
X	800' V.C.	128+0	639.07	643.17	4.10								EX. F	10803
		+23.91	638.57	643.19	3.62	10019						2922		
		+50	640.11	643.25	3.14									
		+74.00	640.61	643.33	2.72		0				714			
		129+0	641.14	643.45	2.31									
		+24.06	641.64	643.59	1.95	10010		1062				1324		
		+50	642.18	643.78	1.60									
		+74.10	642.68	643.99	1.31		573				0			
	+2.0744%	130+0	643.22	644.24	1.02									
		+24.13	643.72	644.51	0.79	10006		1938						
		+50	644.26	644.84	0.58									
		+74.14	644.75	645.16	0.41		473				0			
		131+0	645.29	645.55	0.26									
		+24.15	645.79	645.94	0.15	10001		1500				41		
		+50	646.33	646.39	0.06									
		+74.15	646.83	646.85	0.02		337				22			
		CARRIED FORWARD						3438				41		
		COLUMN FOOTINGS						4500				13674		

V.C.	%GRADE	STATION	GRADES ELEVATION ON TANGENT	GRADES ELEVATION ON CURVES	CORR V.C.	DIST	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK CU. YDS.	ROCK EXCAVATION AREA	ROCK EXCAVATION CU. YDS.	EMBANKMENT AREA	EMBANKMENT CU. YDS.		
													AREA	CU. YDS.
		131+74.15	646.83	646.85	0.02		337				22			
		132+0	647.37	647.37	0.00								C	5303
X													R	—
		+24.15	647.87			10001		939				448	F	943
		+50	648.40										F.FAC.	1.15
		+74.16	648.91				170				220		EX. C	4219
		133+0	649.44											
		+24.23	649.94			10018		607				408		
		+50	650.48											
		+74.34	650.98				157				0			
		134+0	651.52											
		+24.48	652.02			10029		319				46		
		+50	652.55											
		+74.63	653.06				15				25			
		135+0	653.59											
		+24.80	654.11			10035		2115				46		
		+50	654.62											
	+2.0744%	+74.98	655.15				1123				0			
		136+0	655.67											
		+25.17	656.19			10037		3742						
		+50	656.70											
		+75.35	657.23				890						C	11963
		137+0	657.74										R	297
		+25.00	658.26	658.26	0.00									
		+25.54	658.27	658.27	0.00	10036		2676					F	46
		+50	658.78	658.76	-0.02								F.FAC	1.15
		+75.71	659.31	659.21	-0.10		534						EX. C	12057
		138+0	659.81	659.59	-0.22									
		+25.88	660.35	659.95	-0.40	10038		1821						
		+50	660.85	660.23	-0.62									
		+76.03	661.39	660.49	-0.90		426		0					
		139+0	661.89	660.68	-1.21									
		+26.16	662.43	660.83	-1.60	10023		1609		297				
		+50	662.93	660.92	-2.01									
	650' V.C.	+76.26	663.47	660.97	-2.50		1441		160		0			
		140+0	663.96	663.96	-3.00									
		+26.32	664.51	660.91	-3.60	10007		1649		982		321		
		+50	665.00	660.81	-4.19									
		+76.33	664.19	660.65	-3.54		1449		370		173			
		CARRIED FORWARD						1649		982		321		
		COLUMN FOOTINGS						15477		1279		1269		

V.C.	%GRADE	STATION	GRADES ELEVATION ON TANGENT	GRADES ELEVATION ON CURVES	CORR V.C.	DIST	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK CU. YDS.	ROCK EXCAVATION AREA	ROCK EXCAVATION CU. YDS.	EMBANKMENT AREA	EMBANKMENT CU. YDS.		
													AREA	CU. YDS.
		140+76.33	664.19	660.65	-3.54		449				370			
		140+82.60	664.00	660.61	-3.39								C	5487
		141+70.23	664.00	660.61	-3.39	36.04		567		479		300	R	4017
		142+0	663.08	660.35	-2.73		401				348		F	3356
		+50	661.54	659.75	-1.79	10010		1115		917		1526	F.FAC.	1.15
		143+0	660.00	658.95	-1.05		201				147		EX. C	3616
		+50	658.46	657.96	-0.50	10011		976		706		1863		
	-3.0782%	144+0	656.93	656.77	-0.16		326				234			
		+50	655.39	655.38	-0.01									
		+62.63	655.00	655.00	0.00	10012		1180		933		848		
X		145+0	653.85				311				270			
		+50	652.31			10012		1228		913				
	300' V.C.	146+0	650.77	650.77	0.00		352				223			
		+50	649.23	649.34	0.11	10012		1685		1013			C	5813
		147+0	647.69	648.12	0.43		558				324		R	3434
X		+50	646.15	647.12	0.97								F	—
		+89	645.96	646.49	0.53	10012		1885		1054			F.FAC.	1.15
	-0.5000%	148+0	645.90	646.33	0.43		460				245		EX. C	7513
		+50	645.65	645.76	0.11									
		+76	645.52	645.54	0.02	10012		1015		454				
X		149+0	645.40	645.40	0.00		88 BUTT				0			
								9651		6469		4537		

SHEET NO.	COL. NO.	EXCAVATION TOTAL CU YDS	EXCAVATION ROCK CU YDS	EMBANKMENT CUBIC YARDS
3	1	10728		
3	2	2063		10282
3	3	539		5299
4	1	4500		13674
4	2	15477	1279	1269
4	3	9651	6469	4537
TOTALS		42958	7748	35061

SUMMARY BY COLUMNS

REMARKS

EARTH AND ROCK EXCAVATION	42958
SOLID ROCK EXCAVATION	7748
EARTH EXCAVATION	35210
PLANIMETERED FILL	35061
LESS FACTORED SOLID ROCK (1.3)	10072
LESS DISPLACEMENT OF ANY LARGE STRUCTURES	—
NET PLANIMETERED FILL	24989
FACTOR	1.15
PLANIMETERED FILL INCLUDING FACTOR	28737
MATERIALS AVAILABLE FOR FILLS	
EARTH EXCAVATION	35210
CHANNEL EXCAVATION	—
UNDERDRAIN EXCAVATION	—
STRUCTURE EXCAVATION	—
TOTAL MATERIAL AVAILABLE FOR FILL	35210
TOTAL FILL INCLUDING FACTOR	28737
TOTAL MATERIAL FOR FILL	35210
BORROW	—
EXCESS EXCAVATION	6473

PROJECT NAME WALLINGFORD
PROJECT NUMBER RS 0137(5)

SHEET 4 OF 12 SHEETS

D-5 JAN 85

BRUNING 65083

ML POT 97+00.00	ML PI 98+97.00	ML POST 104+92.33
METAL POST 25.15 26.23 20.90 174 METAL POST	3"E 57.29 20.56 GUY POLE 59.27 173	5"E 169 36.54 19.83 25.44 15"E

N

1980 magnetic

BM # 1
SIT 48" ELM
US ELEV 649.44

STA. 100+00
BEGIN APPROACH

TOWN LINE

PI 98+97.00 =
98+96.90
Δ 3°24'RT

96+30 6"
2'x2' CONC BOX

PC 97+26.95

99+40 ASKEW 75° LT
4'x4' CONC BOX

DANBY
WALLINGFORD

PCC 100+66.95 REV.

STA. 101+50
END APPROACH
BEGIN PROJECT

DANBY PROJECT MARKER
FAP 12/1920
FAP 75D/1936
WALLINGFORD

HOUSE

PAVED DR.

170A SURV. PC 103+39.55

SURVEYED 104+57.83 12" RCP 15.2' ⊥ 25.44

T 36.54

FIELD DR.

UNDER GROUND TELE. MRKR. #5/141

#11

SHRUB

ASH

SURVEYED LINE

REVISED LINE

PVMNT

PK IN PVMNT

SURVEYED 103+58.84 12" RCP 5.8' RT

APPROX. LOCATION WATER LINE 3/4 GALV.

SURV. PI 107+90.48 =
107+88.62
Δ 9°00' RT.

MM
0070
1125
0020

FIELD

MILK HOUSE

BARN

BM # 2
SIP # 9/167
US ELEV 679.93

FIELD

MM
0070
1106
0240

ML CURVE DATA

Δ	3°24' RT.
D	1°
T	170.05'
L	340.00'
R	5729.58'
E	2.52'
BANK	0.021 FT./FT.

SURVEYED ML CURVE DATA

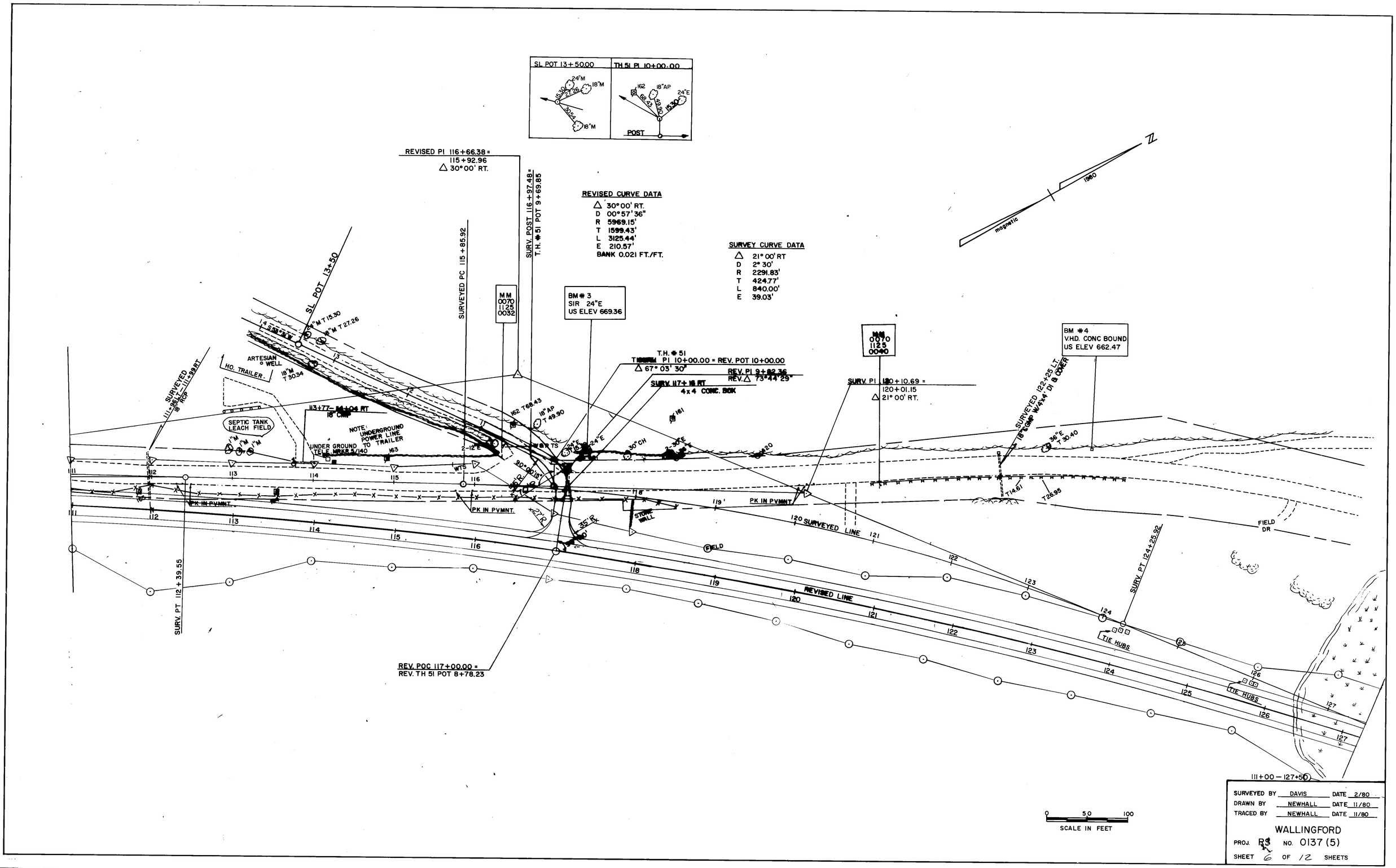
Δ	9°00' RT.
D	1°
T	450.93'
L	900.00'
R	5729.58'
E	17.72'
BANK	0.021 FT./FT.

0 50 100
SCALE IN FEET

95+00 — 111+00

SURVEYED BY DAVIS DATE 2/80
DRAWN BY NEWHALL DATE 11/80
TRACED BY NEWHALL DATE 11/80

WALLINGFORD
PROJ. RS NO. 0137 (5)
SHEET 5 OF 11 SHEETS

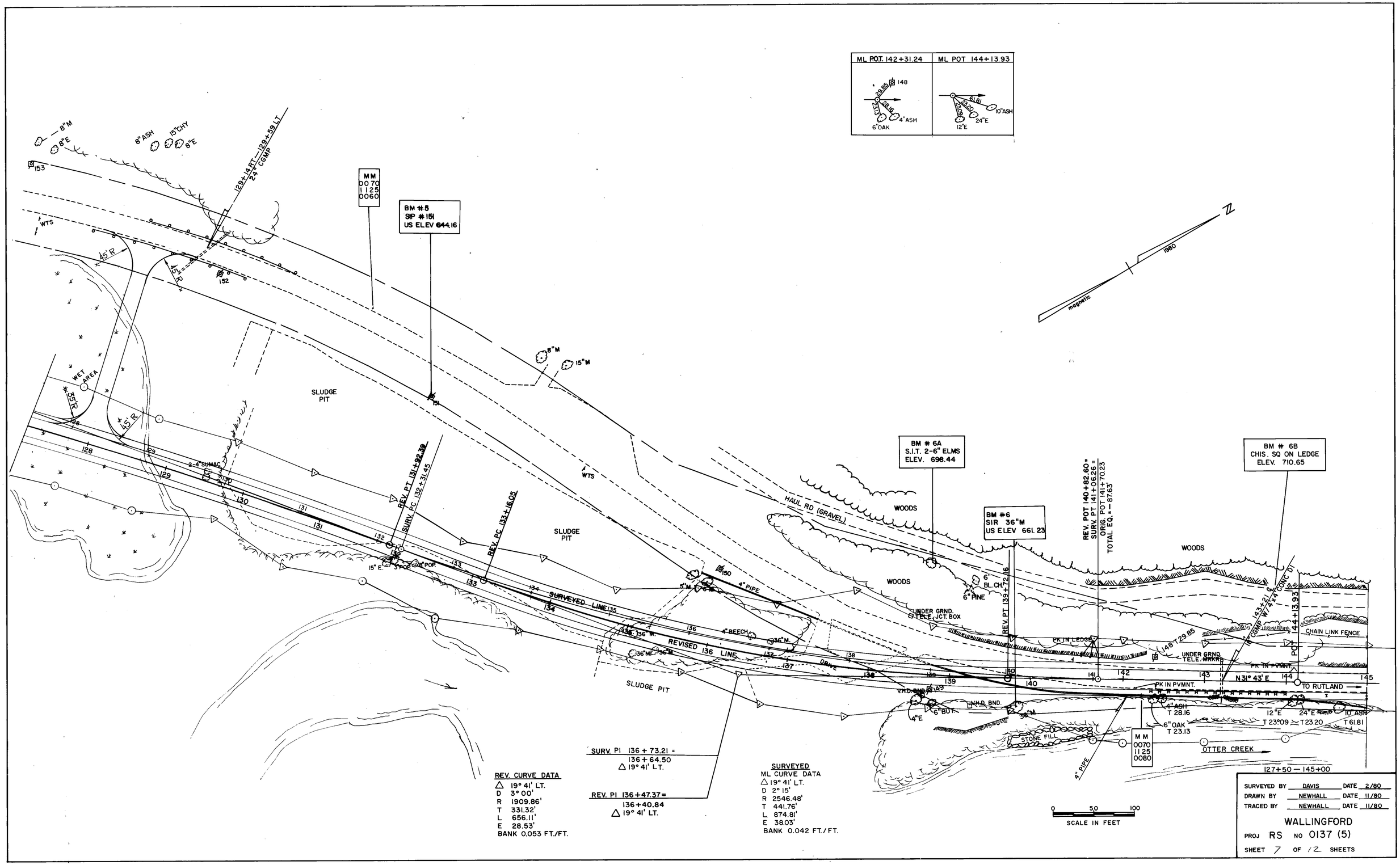


SURVEYED BY	DAVIS	DATE	2/80
DRAWN BY	NEWHALL	DATE	11/80
TRACED BY	NEWHALL	DATE	11/80

WALLINGFORD

PROJ. RS NO. 0137 (5)

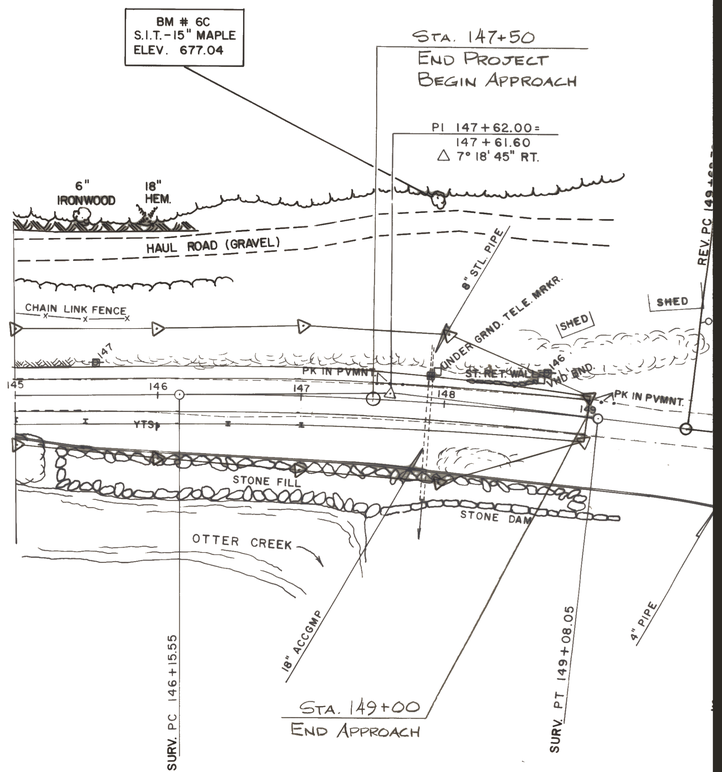
SHEET 6 OF 12 SHEETS



ML POT. 142+31.24
ML POT 144+13.93
MM 0070 1125 0060
BM #5 SIP #151 US ELEV 644.16
BM # 6A S.I.T. 2-6" ELMS ELEV. 698.44
BM #6 SIR 36"M US ELEV 661.23
BM # 6B CHIS. SQ ON LEDGE ELEV. 710.65
129+14 RT — 129+59 LT 24" CGMP
SLUDGE PIT
WET AREA
REV. PT 131+92.39
SURV. PC 132+31.45
REV. PC 133+16.05
SURVEYED LINE
REVISED 136 LINE
HAUL RD (GRAVEL)
WOODS
REV. PT 139+72.16
REV. POT 140+82.60 = SURV. PT 141+06.26 = ORIG. POT 141+70.23 TOTAL EQ. = -87.63'
CHAIN LINK FENCE
TO RUTLAND
N31° 43' E
OTTER CREEK
STONE FILL
SURV. PI 136 + 73.21 = 136 + 64.50 △ 19° 41' LT.
REV. PI 136+47.37 = 136+40.84 △ 19° 41' LT.
REV. CURVE DATA
△ 19° 41' LT.
D 3° 00'
R 1909.86'
T 331.32'
L 656.11'
E 28.53'
BANK 0.053 FT./FT.
SURVEYED
ML CURVE DATA
△ 19° 41' LT.
D 2° 15'
R 2546.48'
T 441.76'
L 874.81'
E 38.03'
BANK 0.042 FT./FT.
SCALE IN FEET
127+50 — 145+00
SURVEYED BY DAVIS DATE 2/80
DRAWN BY NEWHALL DATE 11/80
TRACED BY NEWHALL DATE 11/80
WALLINGFORD
PROJ RS NO 0137 (5)
SHEET 7 OF 12 SHEETS

SURVEYED

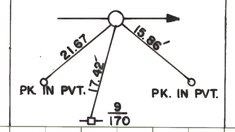
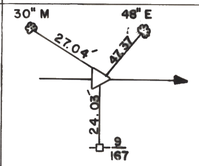
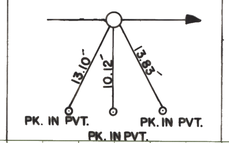
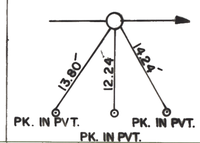
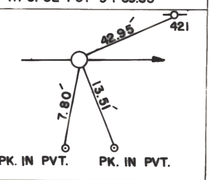
ML CURVE DATA
△ 7° 18' 45" RT.
D 2° 30'
R 2291.83'
T 146.45'
L 292.50'
E 4.67'
BANK 0.046 FT./FT.



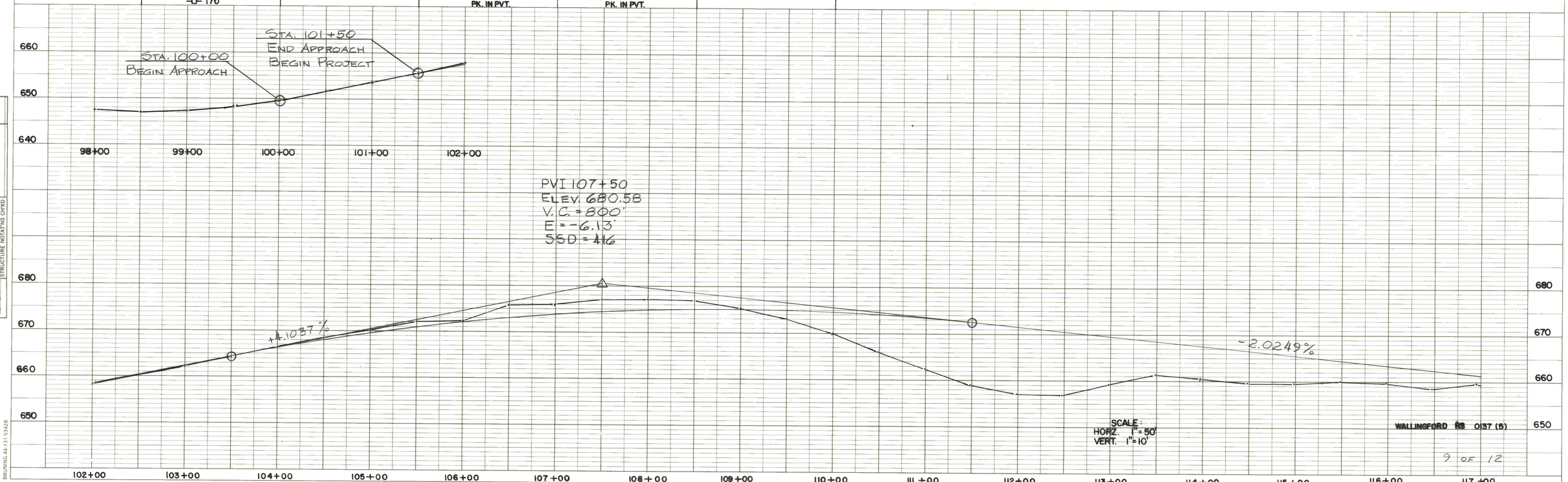
DATUM
VERTICAL NGVD 1929
HORIZONTAL N/A

07

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

PC 103+39.55	PI 107+90.48 = 107+88.62	PT 112+39.55	PC 115+85.92	POST 116+97.48 = TH 51 SL POT 9+69.85
				

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
B.M.s NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE



SCALE:
HORZ. 1"=50'
VERT. 1"=10'

WALLINGFORD RS 0137 (5)

9 OF 12

BRUNING 44-131 53428

PLATE 1 SINGLE PLAN - PROFILE
CHARLES BRUNING CO.
MADE IN U.S.A.

PI 120+10.69 = 120+01.15	PT. 124+25.92	POT 125+99.48	POT 129+78.29
PK. IN PVT. PK. IN PVT. PK. IN PVT. 12.48' 8.50' 11.83'	HUB HUB HUB 10.97' 8.71' 11.77'	HUB HUB HUB 8.8' 5.75' 5.70'	4" SUM 7.76' 1.52' 4" SUM

680
670
660
650
640
630

-2.0249%

PVI 128+00
ELEV. 639.07
V.C. = 800'
E = 4.10'
K = 195

+2.

SCALE:
HORZ. 1"=50'
VERT. 1"=10'

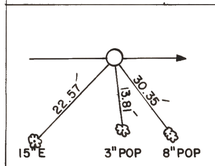
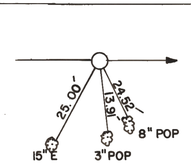
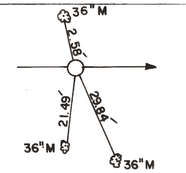
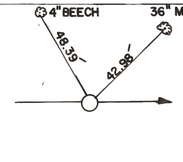
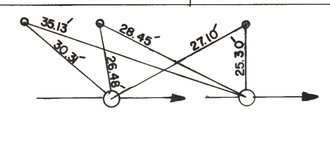
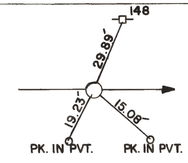
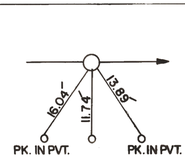
WALL

SI

117+00 118+00 119+00 120+00 121+00 122+00 123+00 124+00 125+00 126+00 127+00 128+00 129+00 130+00 131+00

PLATE 1 SINGLE PLAN - PROFILE
CHARLES BRUNING CO.
MADE IN U.S.A.

PLAN
NOTE BOOK
NO.
SURVEYED
PLOTTED
ALIGNMENT CHECKED
R/E OF WAY CHECKED
BY
DATE

POT 132+25.06	PC 132+31.45	POST 135+38.30	POST 136+89.18	POST 140+96.94	PT 141+06.26= EQ. POT 141+70.23	POT 142+31.24	POT 144+13.93
							

PROFILE
NOTE BOOK
NO.
SURVEYED
PLOTTED
GRADES CHECKED
R/E OF WAY
STRUCTURE NOTATNS CHKD
BY
DATE

PVI 140+50
ELEV.: 665.00
V.C. = 650'
E = +4.19
SSD = 409

REV. POT 140+82.60=
SURV PT 141+06.26 =
ORIG POT 141+70.23
TOTAL EQ.=-87.63'

+2.0744 %

-3.0782 %

680
670
660
650
640
630

132+00 133+00 134+00 135+00 136+00 137+00 138+00 139+00 140+00 141+00 142+00 143+00 144+00 145+00 146+00 147+00

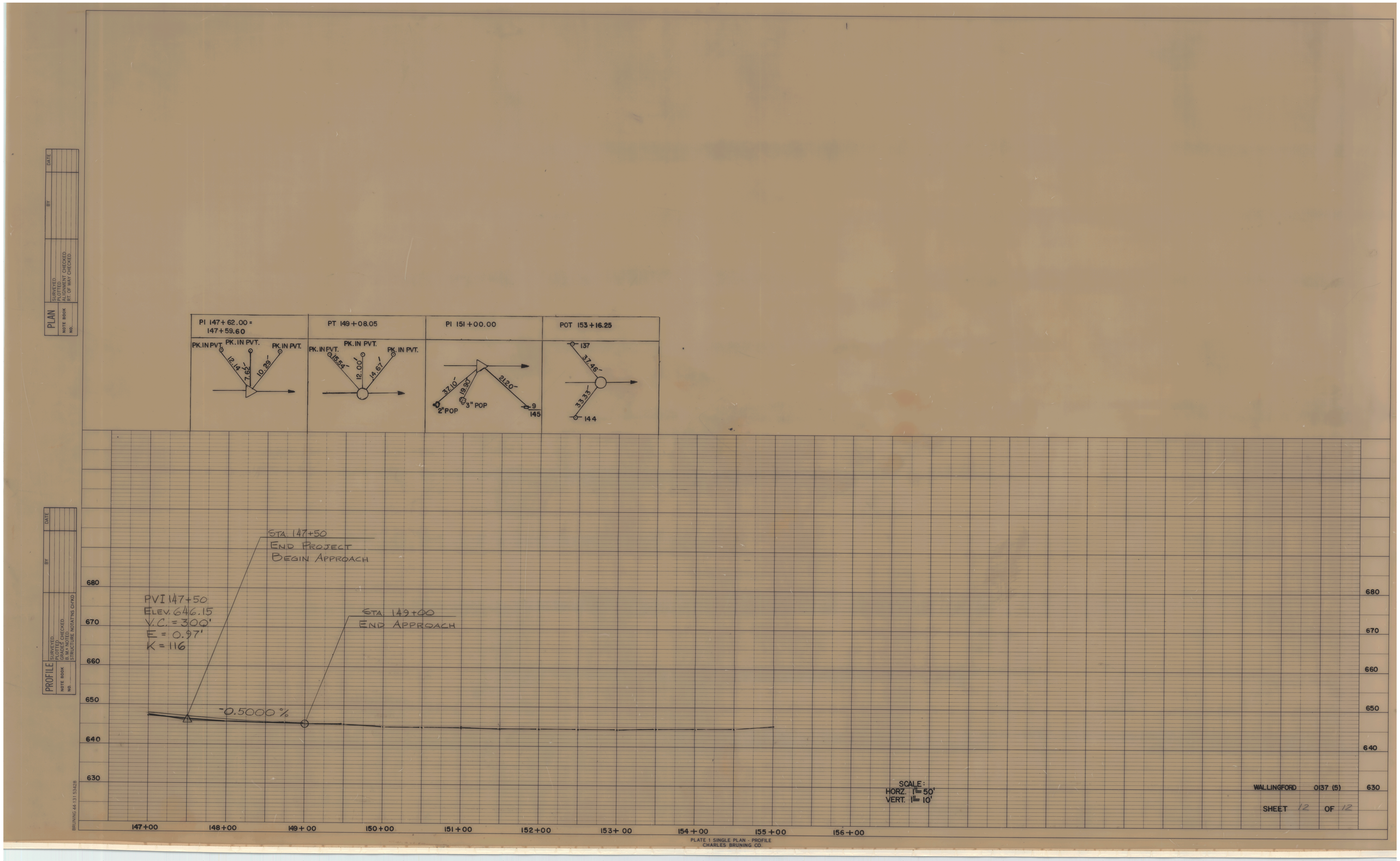
SCALE:
HORZ. 1"= 50'
VERT. 1"= 10'

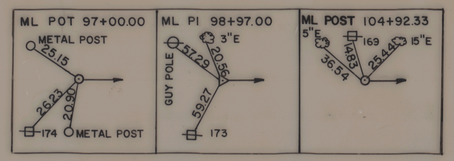
WALLINGFORD 0137 (5)

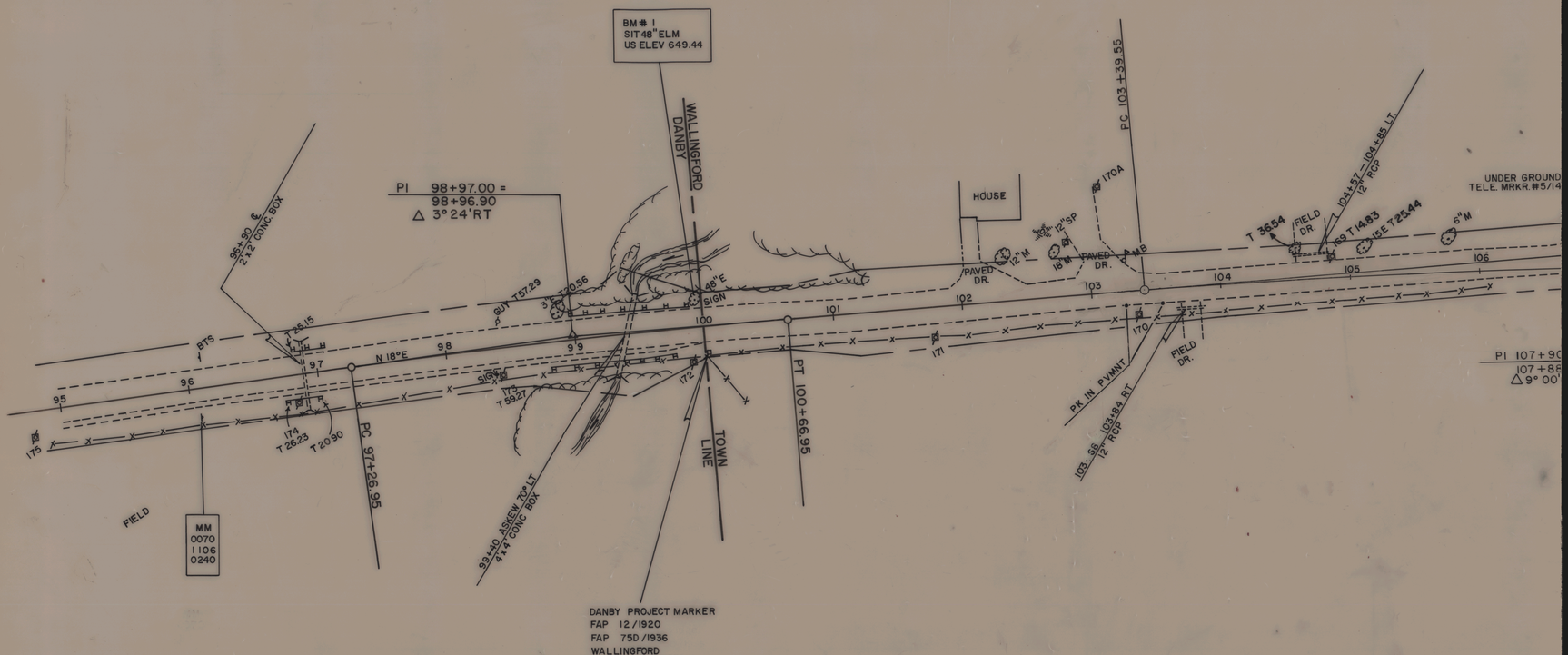
SHEET 11 OF 12

BRUNING 44 131 5428

PLATE 1 SINGLE PLAN - PROFILE
CHARLES BRUNING CO.


PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
NOTE BOOK
NO.
BY
DATE
PI 147+62.00 = 147+59.60
PK. IN PVT.
PK. IN PVT.
PK. IN PVT.
12.14'
7.62'
10.29'
PT 149+08.05
PK. IN PVT.
PK. IN PVT.
PK. IN PVT.
15.54'
12.00'
14.67'
PI 151+00.00
37.10'
19.90'
21.20'
2" POP
3" POP
9
145
POT 153+16.25
137
37.46'
33.33'
144
PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
B.M.s NOTED
STRUCTURE NOTATNS CH'KD
NOTE BOOK
NO.
BY
DATE
STA. 147+50
END PROJECT
BEGIN APPROACH
PVI 147+50
ELEV. 646.15
V.C. = 300'
E = 0.97'
K = 116
STA. 149+00
END APPROACH
-0.5000 %
680
670
660
650
640
630
147+00
148+00
149+00
150+00
151+00
152+00
153+00
154+00
155+00
156+00
SCALE:
HORZ. 1" = 50'
VERT. 1" = 10'
WALLINGFORD 0137 (5)
SHEET 12 OF 12
BRUNING 44-131 53428
PLATE 1 SINGLE PLAN - PROFILE
CHARLES BRUNING CO.

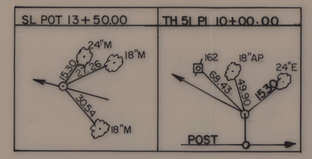


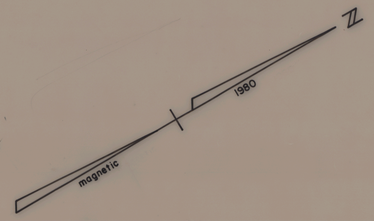


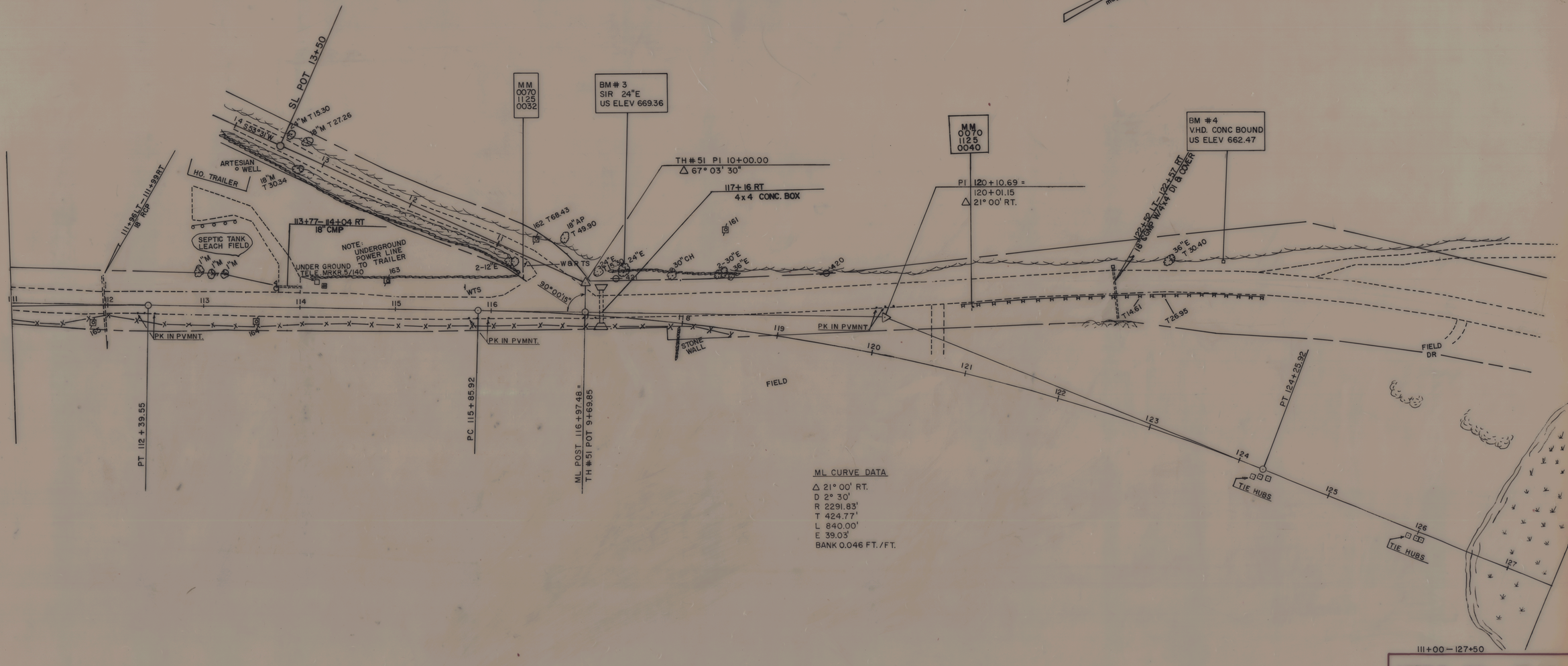
DANBY PROJECT MARKER
FAP 12/1920
FAP 75D/1936
WALLINGFORD

ML CURVE DATA

Δ	3° 24' RT.
D	1°
T	170.05'
L	340.00'
R	5729.58'
E	2.52'
BANK	0.021 FT./FT.







ML CURVE DATA

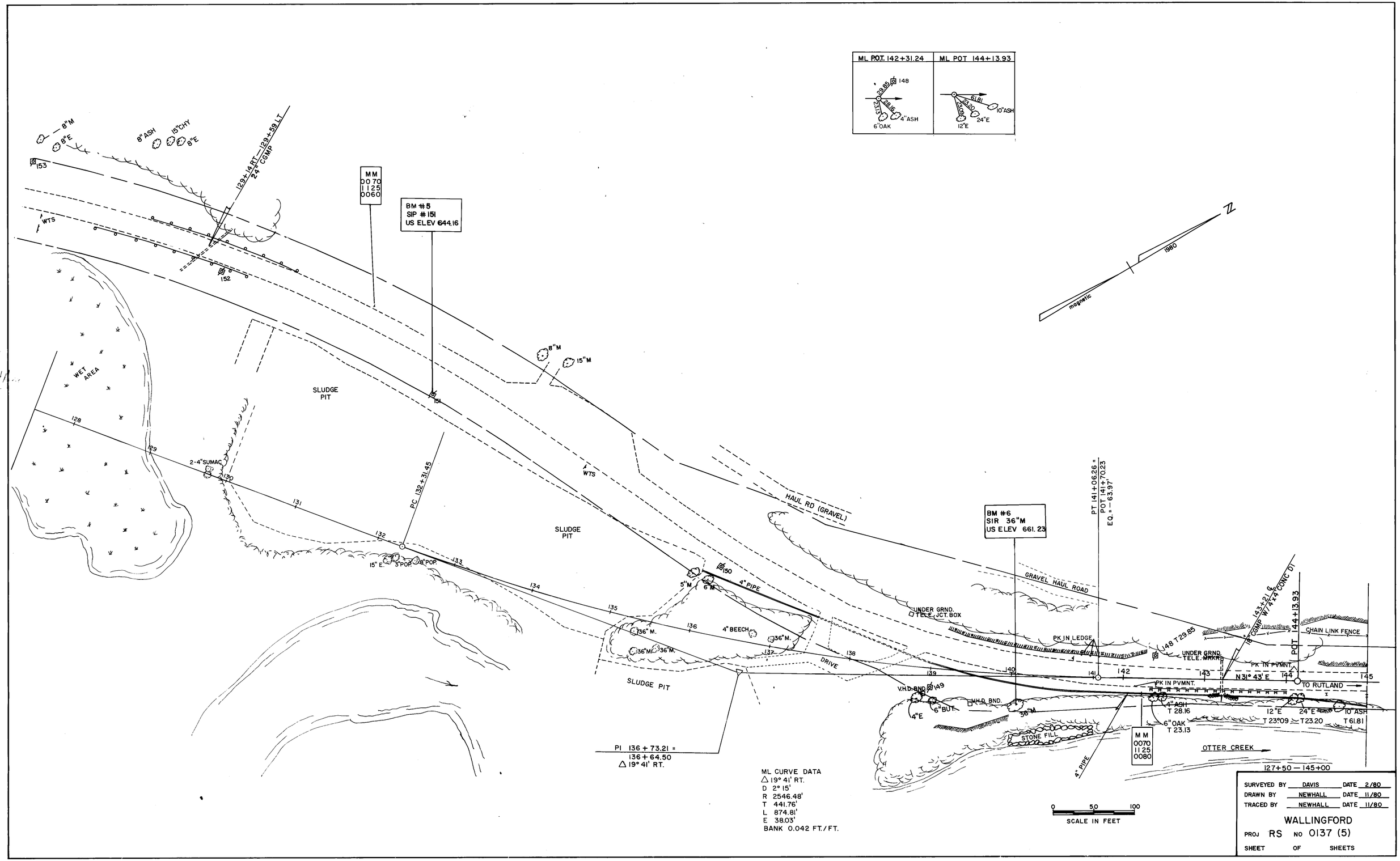
Δ 21° 00' RT.
D 2° 30'
R 2291.83'
T 424.77'
L 840.00'
E 39.03'
BANK 0.046 FT./FT.

0 50 100
SCALE IN FEET

111+00 – 127+50

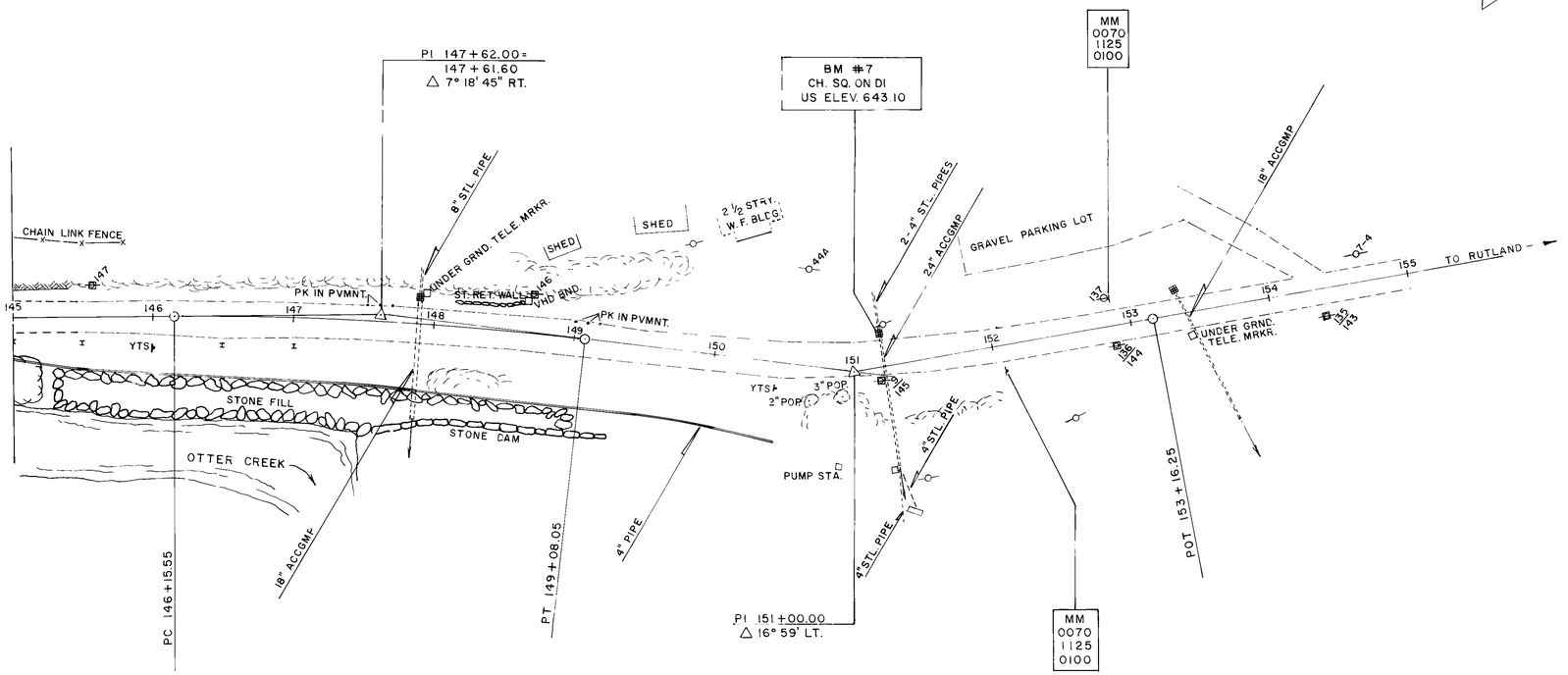
SURVEYED BY DAVIS DATE 2/80
DRAWN BY NEWHALL DATE 11/80
TRACED BY NEWHALL DATE 11/80

WALLINGFORD
PROJ. RS NO. 0137 (5)
SHEET OF SHEETS



ML POT. 142+31.24
ML POT 144+13.93
148
29.85
28.16
23.13
4"ASH
6"OAK
61.81
23.20
23.09
10"ASH
24"E
12"E
N
1980
magnetic
8"M
8"E
8"ASH
15"CHY
8"E
153
129+14 RT — 129+59 LT
24" CGMP
MM
0070
1125
0060
BM #5
SIP #151
US ELEV 644.16
WTS
152
8"M
15"M
WET AREA
SLUDGE PIT
151
128
129
2-4"SUMAC
130
131
PC 132+31.45
132
133
15" E.
3"POP.
8"POP.
134
135
136
137
138
139
140
141
142
143
144
145
150
5"M
6"M
4" PIPE
4" BEECH
36"M.
36"M.
36"M.
36"M.
SLUDGE PIT
DRIVE
HAUL RD (GRAVEL)
GRAVEL HAUL ROAD
BM #6
SIR 36"M
US ELEV 661.23
PT 141+06.26 =
POT 141+70.23
EQ. = -63.97'
UNDER GRND.
TELE. JCT. BOX
PK IN LEDGE
148 T 29.85
UNDER GRND.
TELE. MRKR
143+21 ℄
18" CGMP W/ 4'x4' CONC DI
POT 144+13.93
CHAIN LINK FENCE
PK IN PVMNT.
N 31° 43' E
TO RUTLAND
PK IN PVMNT.
V.H.D. BND.
149
4"E
6"BUT.
V.H.D. BND.
36"M
4"ASH
T 28.16
6"OAK
T 23.13
12"E
24"E
10"ASH
T 23.09
T 23.20
T 61.81
STONE FILL
MM
0070
1125
0080
OTTER CREEK
4" PIPE
127+50 — 145+00
PI 136 + 73.21 =
136 + 64.50
△ 19° 41' RT.
ML CURVE DATA
△ 19° 41' RT.
D 2° 15'
R 2546.48'
T 441.76'
L 874.81'
E 38.03'
BANK 0.042 FT./FT.
0 50 100
SCALE IN FEET
SURVEYED BY DAVIS DATE 2/80
DRAWN BY NEWHALL DATE 11/80
TRACED BY NEWHALL DATE 11/80
WALLINGFORD
PROJ RS NO 0137 (5)
SHEET OF SHEETS

ML CURVE DATA
7° 18' 45" RT.
D 2° 30'
R 2291.83'
T 146.45'
L 292.50'
E 4.67'
BANK 0.046 FT./FT.



0 25 50 100
SCALE: 1"=50'

145+00 — 155+00

SURVEYED BY	FANTONI	DATE	5-85
DRAWN BY	P.M.PELKEY	DATE	6-85
TRACED BY	PELKEY	DATE	6-85

WALLINGFORD
PROJ. RS NO. 0137 (5)
SHEET OF

DATUM
VERTICAL NGVD 1929
HORIZONTAL N/A

BRUNING 53428-3

07

EARTHWORKS

STATE OF VERMONT
AGENCY OF TRANSPORTATION

800' V.C.

V. C.	% GRADE	STATION	GRADES ELEVATION ON TANGENT	GRADES ELEVATION ON CURVES	CORR V. C.	DIST	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK CU. YDS.	ROCK EXCAVATION AREA	ROCK EXCAVATION CU. YDS.	EMBANKMENT AREA	EMBANKMENT CU. YDS.	AREA	CU. YDS.
		100+00												
		+50												
		101+00												
		+50												
X		102+00												
		+00.01												
		+10												
		+10.01												
		+50												
		+50.03												
		103+00												
		+00.06												
		+50												
		+50.09												
		+75												
		+75.09												
		104+00												
		+00.08												
		+50												
		+50.04												
		+68												
		+68.02												
		+99.98												
		105+00												
		+49.90												
		+50												
		+99.81												
X		106+00												
		+49.69												
		+50												
		+99.55												
		107+00												
		+49.39												
		+												

CARRIED FORWARD
COLUMN FOOTINGS

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

CARRIED FORWARD
COLUMN FOOTINGS

SUMMARY AND BALANCES							
STATION TO STATION	TOTAL EXCAV EARTH & ROCK	ROCK EXCAV CUBIC YARDS	EMBANKMENT CUBIC YARDS	EXCESSES CUT	EXCESSES FILL	ACCUMULATIVE EXCESSES CUT	ACCUMULATIVE EXCESSES FILL

SHEET NO.	COL. NO.	SUMMARY BY COLUMNS EXCAVATION TOTAL CU YDS	EXCAVATION ROCK CU YDS	EMBANKMENT CUBIC YARDS

REMARKS
EARTH AND ROCK EXCAVATION
SOLID ROCK EXCAVATION
EARTH EXCAVATION
PLANIMETERED FILL
LESS FACTORED SOLID ROCK
LESS DISPLACEMENT OF ANY LARGE STRUCTURES
NET PLANIMETERED FILL
FACTOR
PLANIMETERED FILL INCLUDING FACTOR
MATERIALS AVAILABLE FOR FILLS
EARTH EXCAVATION
CHANNEL EXCAVATION
UNDERDRAIN EXCAVATION
STRUCTURE EXCAVATION
TOTAL MATERIAL AVAILABLE FOR FILL
TOTAL FILL INCLUDING FACTOR
TOTAL MATERIAL FOR FILL
BORROW
EXCESS EXCAVATION

PROJECT NAME _____
PROJECT NUMBER _____

SHEET OF SHEETS

D-2 JAN 85

BRUNING 65083

EARTHWORKS

STATE OF VERMONT
AGENCY OF TRANSPORTATION

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

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

SUMMARY AND BALANCES							
STATION TO STATION		TOTAL EXCAV EARTH & ROCK	ROCK EXCAV CUBIC YARDS	EMBANKMENT CUBIC YARDS	EXCESSES CUT	EXCESSES FILL	ACCUMULATIVE EXCESSES CUT	ACCUMULATIVE EXCESSES FILL

CARRIED FORWARD
COLUMN FOOTINGS

CARRIED FORWARD
COLUMN FOOTINGS

SHEET NO.	COL. NO.	SUMMARY BY COLUMNS			
		EXCAVATION		EMBANKMENT	
		TOTAL CU YDS	ROCK CU YDS	CUBIC YARDS	

REMARKS

EARTH AND ROCK EXCAVATION
SOLID ROCK EXCAVATION
EARTH EXCAVATION

PLANIMETERED FILL
LESS FACTORED SOLID ROCK
LESS DISPLACEMENT OF ANY LARGE STRUCTURES
NET PLANIMETERED FILL
FACTOR
PLANIMETERED FILL INCLUDING FACTOR

MATERIALS AVAILABLE FOR FILLS
EARTH EXCAVATION
CHANNEL EXCAVATION
UNDERDRAIN EXCAVATION
STRUCTURE EXCAVATION

TOTAL MATERIAL AVAILABLE FOR FILL

TOTAL FILL INCLUDING FACTOR
TOTAL MATERIAL FOR FILL
BORROW
EXCESS EXCAVATION

PROJECT NAME
PROJECT NUMBER

SHEET OF SHEETS

D-2 JAN 85

BRUNING 65083

EARTHWORK SHEET

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

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

GRADES V.C.	% GRADE	STATION	ELEVATION ON TANGENT	ELEVATION ON V CURVES	CORR V.C.	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.
		95+10												
		+50				50								
		96												
		+50											C -	
		97											F -	
		+50											F-FAC	1.15
		98											EX	
		+50												
		99												
		+40												
		+50												
		100												
		+50												
		101												
		+50												
		102												
		+10												
		+50												
		103												
		+50												
		+75												
		104												
		+50												
		+75												
		105												
		+50												
		106												
		+50												
		107												
		+50												
		108												
		+15												
		+50												
		109												
		+50				50								
		110												
CARRIED FORWARD														
COLUMN FOOTINGS														

GRADES V.C.	% GRADE	STATION	ELEVATION ON TANGENT	ELEVATION ON V CURVES	CORR V.C.	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.
		110				50								
		+50												
		111												
		+50												
		+96.5												
	-0.050	112												
		+50												
		113												
		+50												
		114												
		+25												
		+50												
		115												
		+50												
		116												
		+50												
		117												
		+16												
		+50												
		118												
		+50												
		119												
		+50												
		120												
		+50												
		+70												
		121												
		+50												
		122												
		+50												
		+53.5												
		123												
		+50												
		124												
		+50												
		125												
		+50												
		126												
		+50												
		127												
		+50												
		128												
		+50												
		129												
		+38												
		+50				50								
		130												
CARRIED FORWARD														
COLUMN FOOTINGS														

GRADES V.C.	% GRADE	STATION	ELEVATION ON TANGENT	ELEVATION ON V. CURVES	CORR V.C.	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.
		130				50								
		+50												
		131												
		+50												
		132												
		+50												
		133												
		+50												
		+75												
		134												
		+50												
		135												
		+50												
		136												
		+50												
		137												
		+50												
		138												
		+50												
		139												
		+50												
		140												
		+50												
		141												
		+50												
		142												
		+50												
		143												
		+21												
		+50				50								
		144												
CARRIED FORWARD														
COLUMN FOOTINGS														

PROJECT Wallingford

PROJECT ES NO. 0137(5)
SHEET OF 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.	AREA	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.	AREA	CU. YDS.	EMBANKMENT: AREA	EMBANKMENT: CU. YDS.	BASE: AREA	BASE: CU. YDS.

CARRIED FORWARD
COLUMN FOOTINGS

EARTHWORK SUMMARY

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

STATION TO STATION	SUMMARY OF BALANCES: 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

SHEET NO.	COL. NO.	SUMMARY BY COLUMNS: EXCAVATION TOTAL CU. YDS.	EXCAVATION ROCK CU. YDS.	EMBANKMENT CUBIC YARDS	BASE CUBIC YARDS

REMARKS

EARTH AND ROCK EXCAVATION
SOLID ROCK EXCAVATION
EARTH EXCAVATION

PLANIMETERED FILL
LESS FACTORED SOLID ROCK
LESS DISPLACEMENT OF ANY LARGE STRUCTURES
NET PLANIMETERED FILL
FACTOR
PLANIMETERED FILL INCLUDING FACTOR

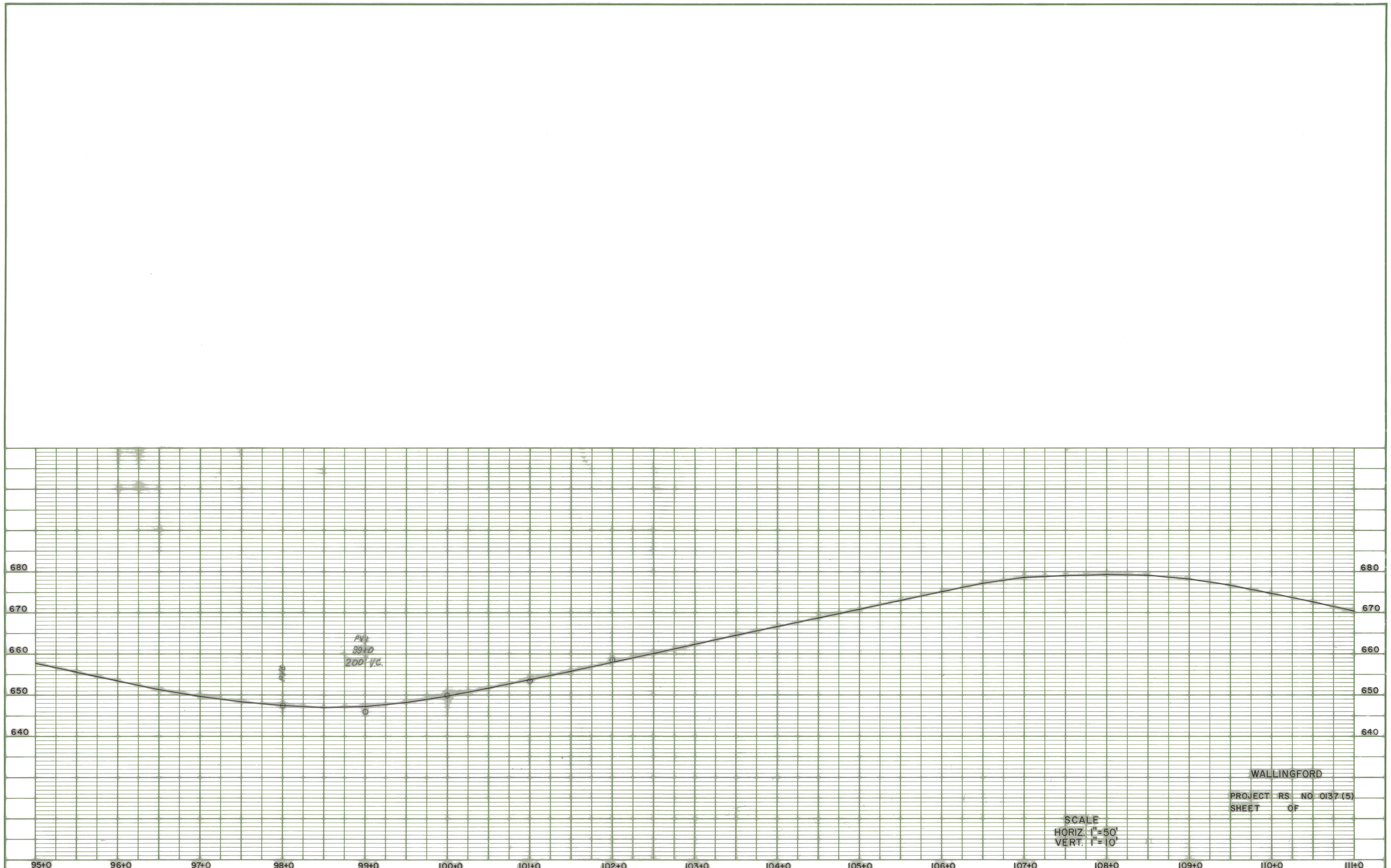
MATERIALS AVAILABLE FOR FILLS
EARTH EXCAVATION
CHANNEL EXCAVATION
UNDERDRAIN EXCAVATION
STRUCTURE EXCAVATION

TOTAL MATERIAL AVAILABLE FOR FILL

TOTAL FILL INCLUDING FACTOR
TOTAL MATERIAL FOR FILL
BORROW

PROJECT Wallingford

PROJECT R.S. NO. 01375
SHEET OF SHEETS



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

PROFILE
NOTE BOOK
No.
SURVEYED.
PLOTTED.
GRADES CHECKED.
B. & A. NOTED.
STRUCTURE NOTATIONS CHECKED.
BY
DATE

K+E PLATE 1, PLAN-PROFILE
KEUFFEL & ESSER CO.
48 7024 Made in U.S.A.

PLAN

NOTE BOOK
No.

SURVEYED.
PLOTTED.
ALIGNMENT CHECKED.
RT. OF WAY CHECKED.

BY	DATE

PROFILE

NOTE BOOK
No.

SURVEYED.
PLOTTED.
GRADES CHECKED.
B. M.'s NOTED.
STRUCTURE NOTATIONS CHECKED.

BY	DATE

670
660
650

111+0 112+0 113+0 114+0 115+0 116+0 117+0

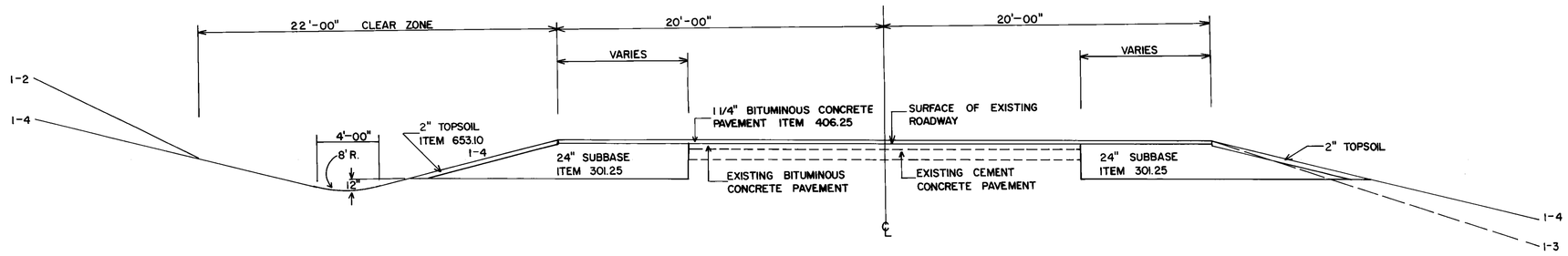
660
650
640

127+0 128+0 129+0 130+0 131+0 132+0 133+0 134+0 135+0 136+0 137+0 138+0 139+0 140+0 141+0 142+0 143+0

SCALE
HORIZ. 1" = 50'
VERT. 1" = 10'

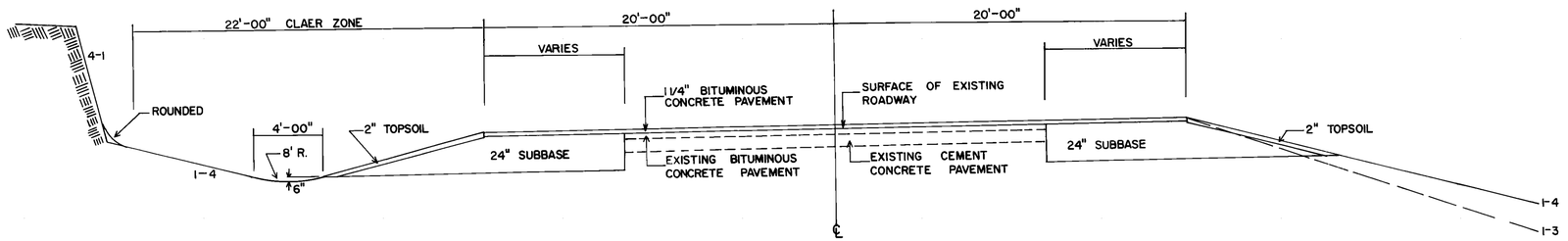
WALLINGFORD
PROJECT RS NO. 0137(5)
SHEET OF

K&E PLATE 1, PLAN-PROFILE
KEUFFEL & ESSER CO.
48 7024 Made in U.S.A.



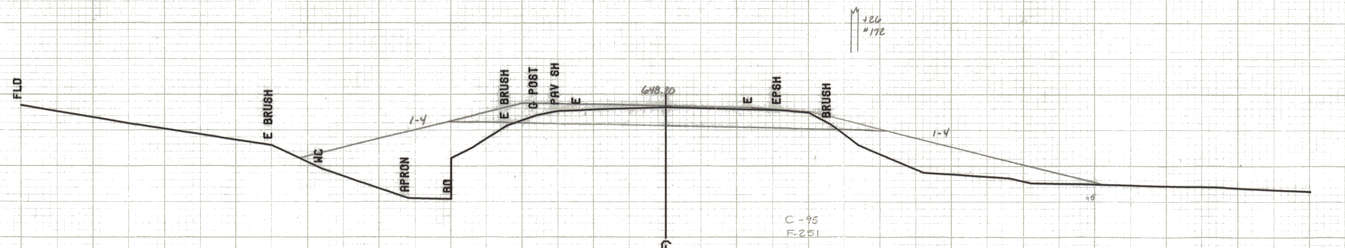
NOTE: BOX CUT AT THE EDGE OF EXISTING CEMENT CONCRETE PAVEMENT. WIDEN TO REQUIRED WIDTH, MATCHING GRADE AND BANKING TO EXISTING ROADWAY. PAVE ENTIRE SURFACE WITH 1 1/4" OF BITUMINOUS CONCRETE PAVEMENT. IF THE USE OF EMULSIFED ASPHAULT IS DEEMED NECESSARY BY THE ENGINEER THE COST OF FURNISHING AND APPLYING THIS MATERIAL SHALL BE SHALL BE SUBSIDIARY TO THE COST OF ITEM 406.25.

FOR GENERAL NOTES SEE SHEET ____ OF ____ SHEETS



TYPICALS ON THIS SHEET APPLY TO STATIONS 123+50 TO 142+50

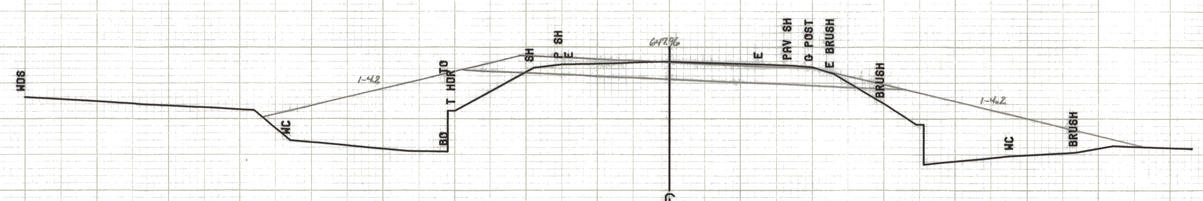
BRUNING 44-131-40592



640

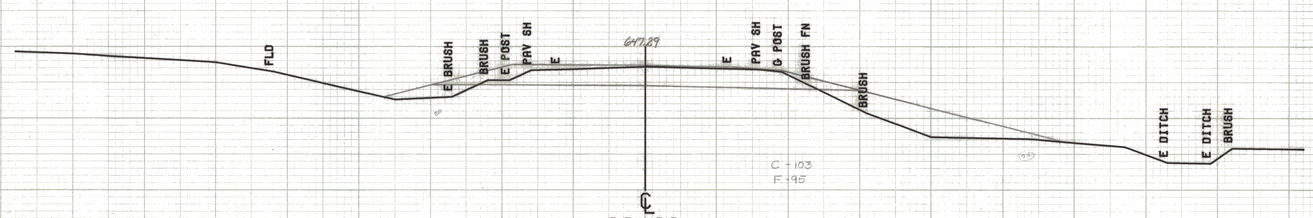
C - 95
F - 251

℄
99+50
End Approach
Begin Project



640

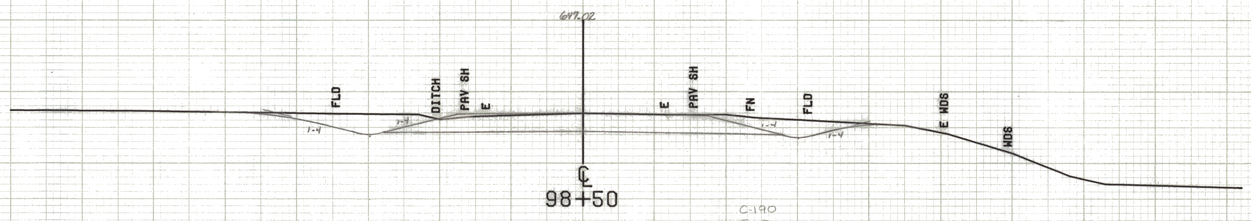
℄
99+40 70° Lt
4'X4' Conc. Box



640

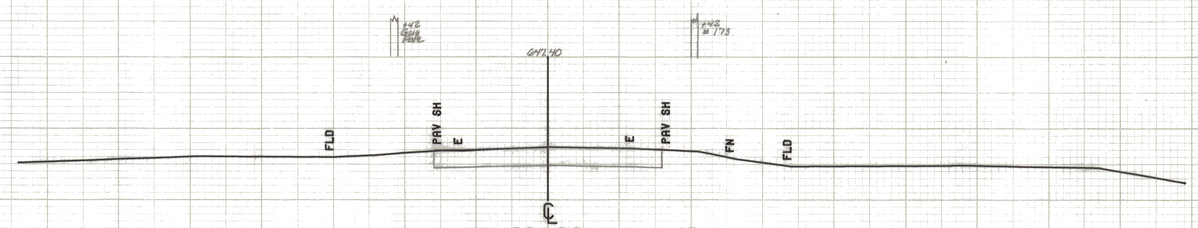
C - 103
F - 95

℄
99+00



C - 190
F - 0

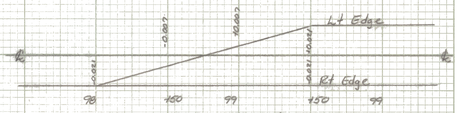
℄
98+50



640

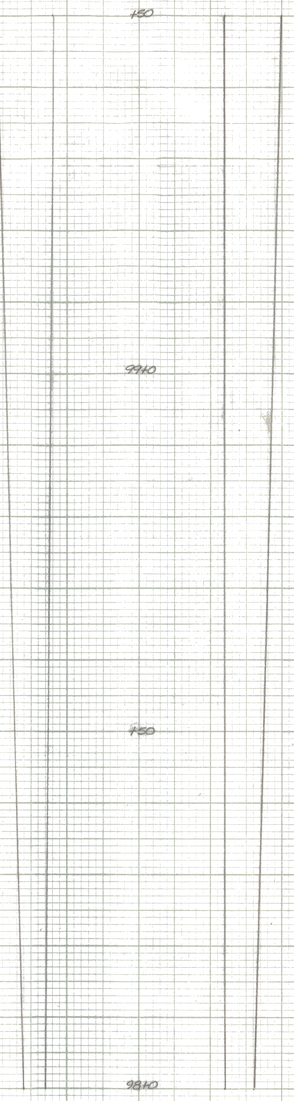
C - 85

℄
98+00
Begin Approach



Banking Transition
Scale
Horiz 1" = 50'
Vert 1" = 0.05'

640

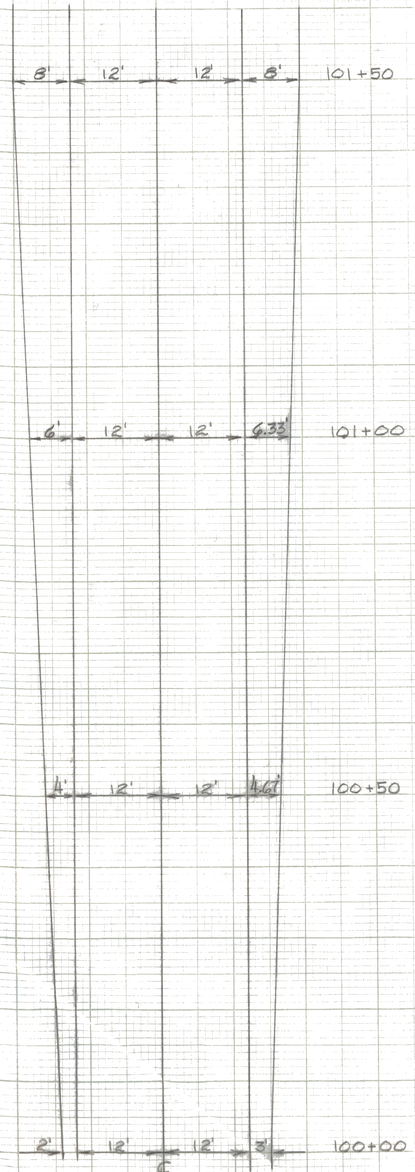


Width Transition
SCALE
1" = 10'

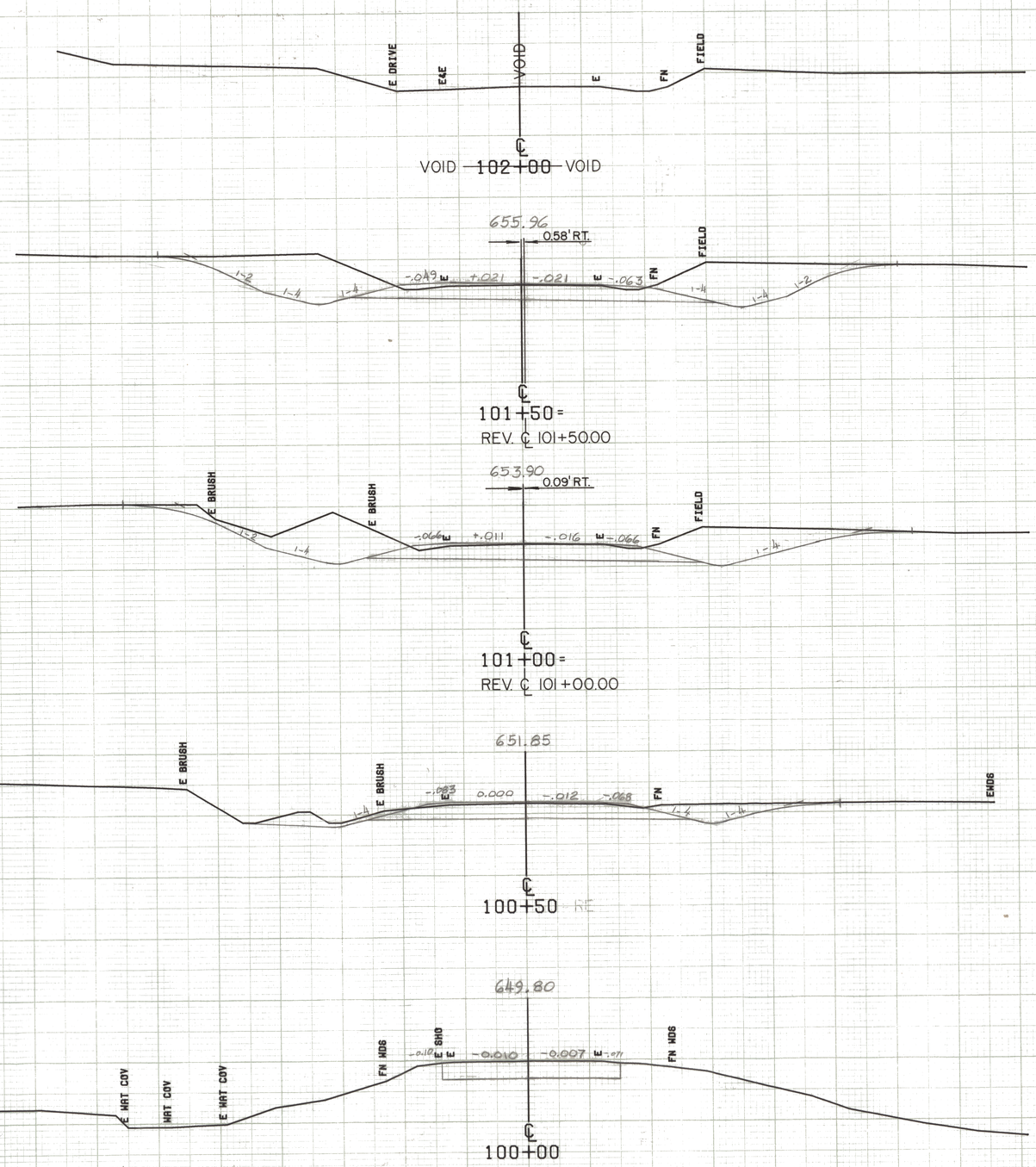
PC 99+26.95
D 1° 18'

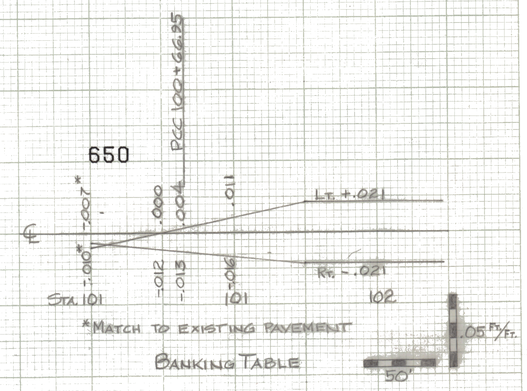
SCALE 10 FEET

FROM STA. 98+00		TO STA. 99+50	
PROJECT NAME	WALLINGFORD		
NO.	RS0137(5)	PLOTTED	10/06/80
SURVEYED BY	DAVIS		02/80
SHEET OF	SHEETS		



WIDTH TRANSITION DETAIL
SCALE: 1"=10'

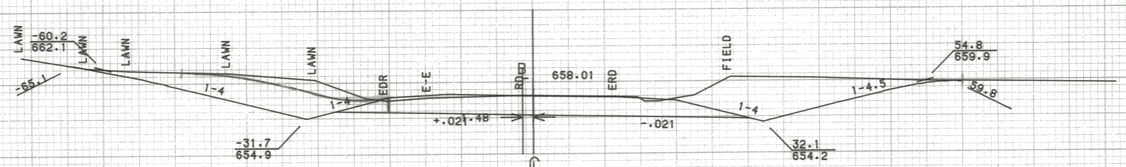


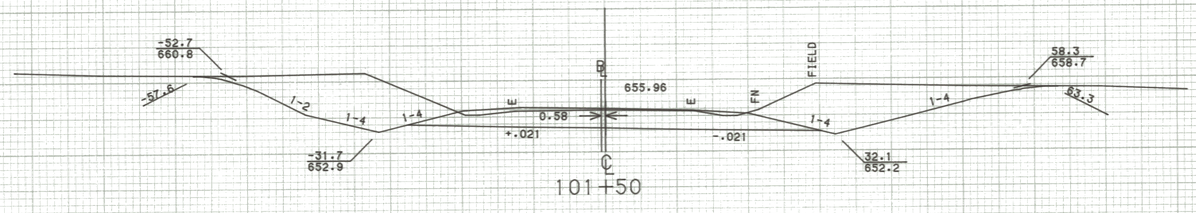


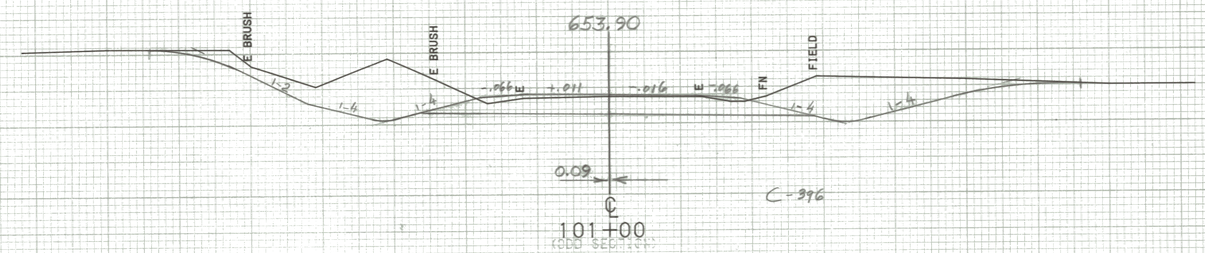
BANKING TABLE

FROM STA. 100+00	TO STA. 102+00
PROJECT NAME	WALLINGFORD
NO.	RS0137(5) PLOTTED 10/06/80
SURVEYED BY	DAVIS 02/80
SHEET OF	SHEETS

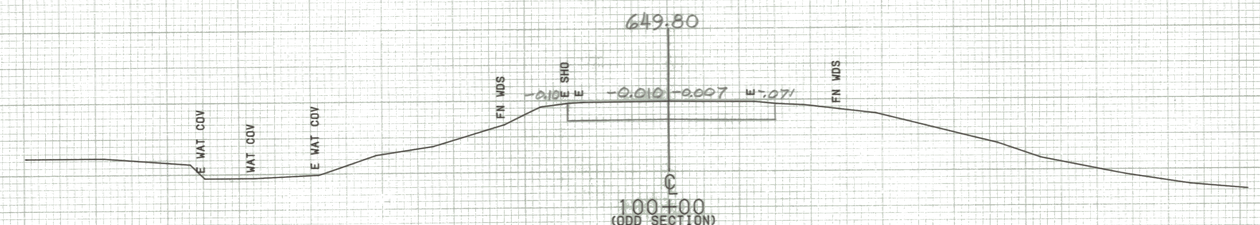
SCALE 10 FEET





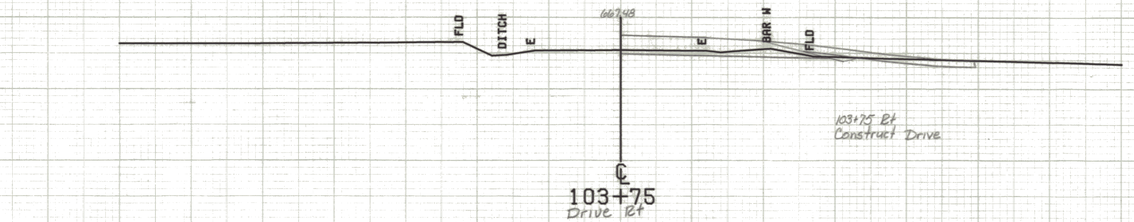


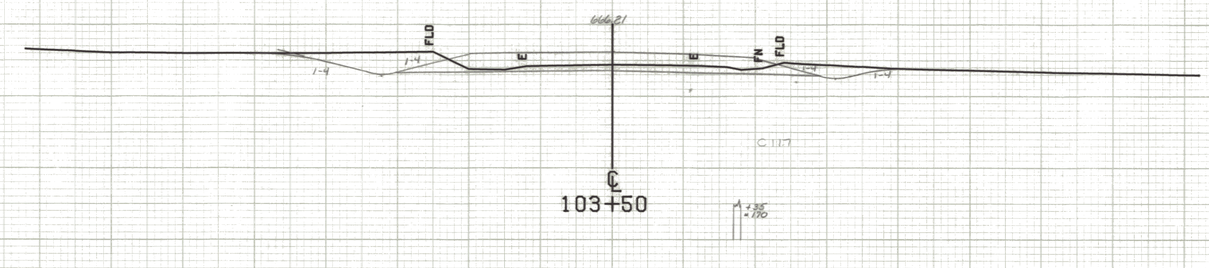


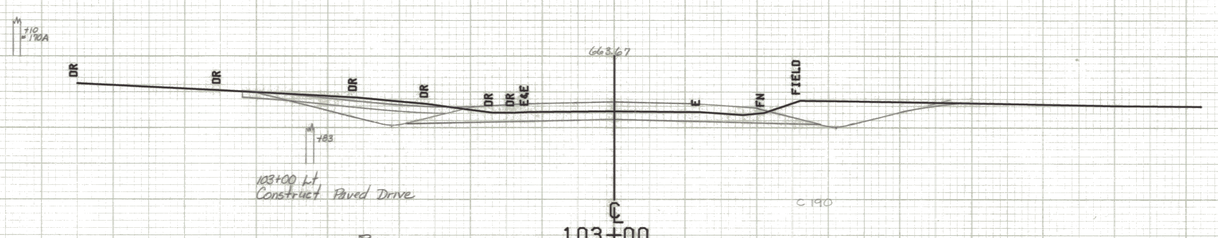


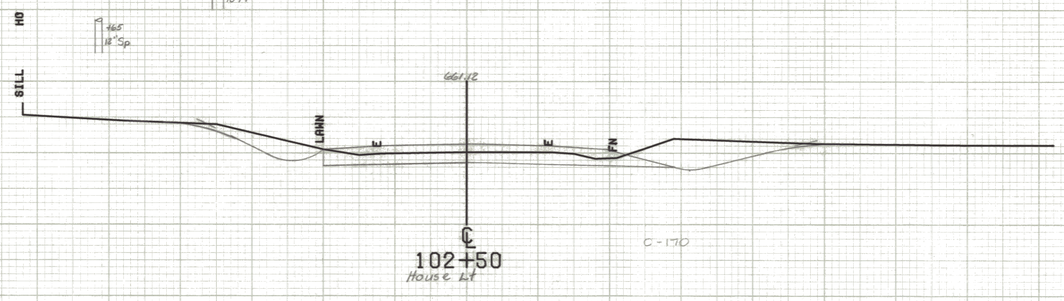
FROM STA. 100+00	TO STA. 102+00
PROJECT NAME	WALLINGFORD
NO.	RS0137(5) PLOTTED 11/13/85
SURVEYED BY	FANTONI MAY - 85
SHEET OF	SHEETS

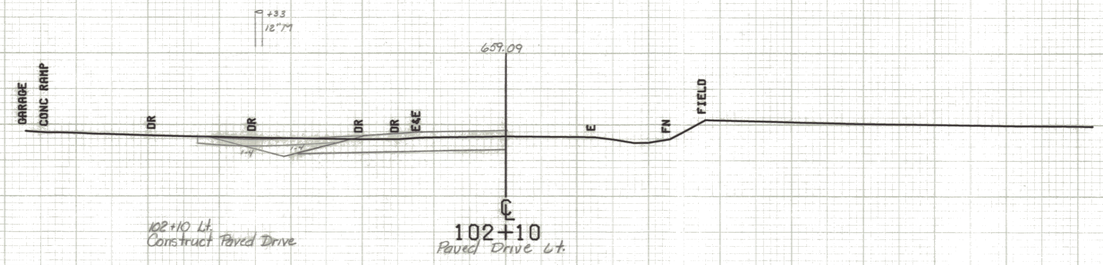
SCALE 10 FEET





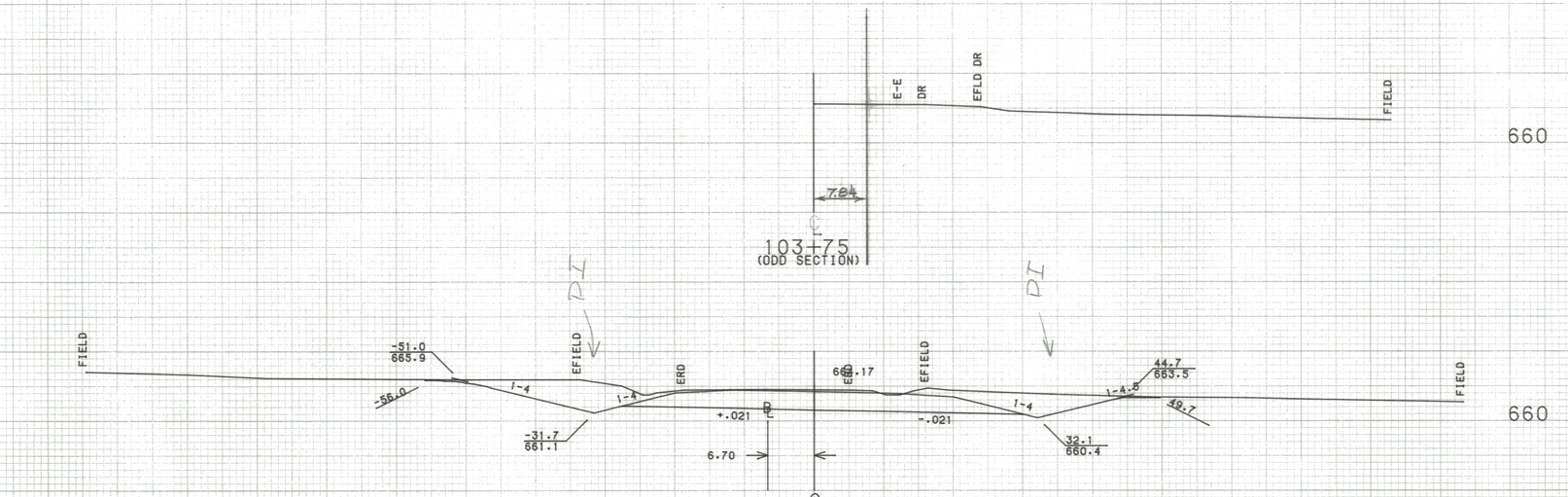






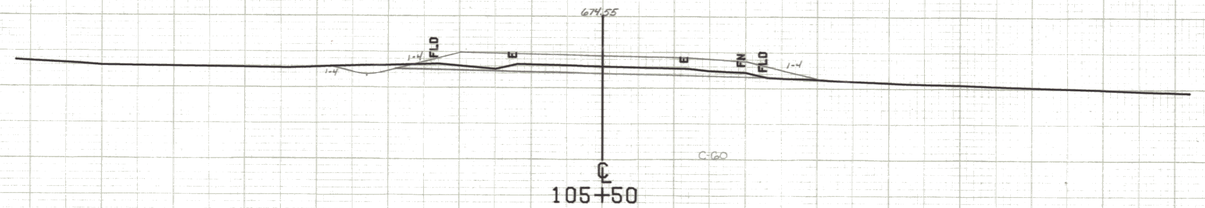
FROM STA. 102+10		TO STA. 103+75	
PROJECT NAME	WALLINGFORD		
NO.	R80137(5)	PLOTTED	10/06/80
SURVEYED BY	DAVIS		02/80
SHEET OF	SHEETS		

SCALE 10 FEET



FROM STA. 102+10		TO STA. 103+75	
PROJECT NAME	WALLINGFORD		
NO.	RS0137(5)		PLOTTED 11/13/85
SURVEYED BY	FANTONI		MAY - 85
SHEET OF	SHEETS		

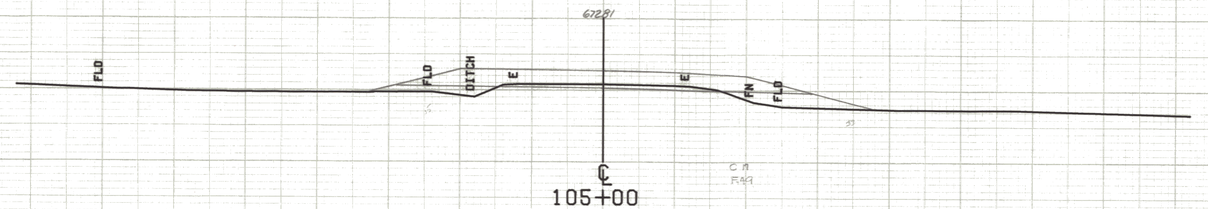
SCALE 10 FEET



105+50

660

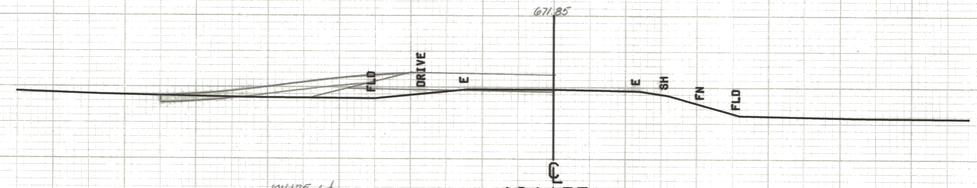
110
15°E



105+00

660

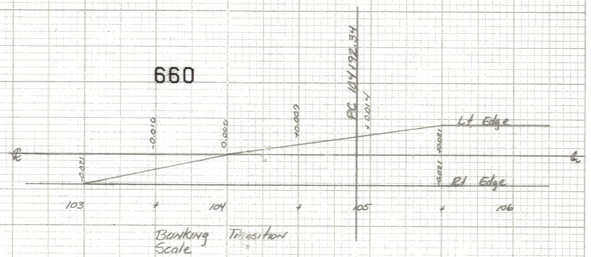
113
-169

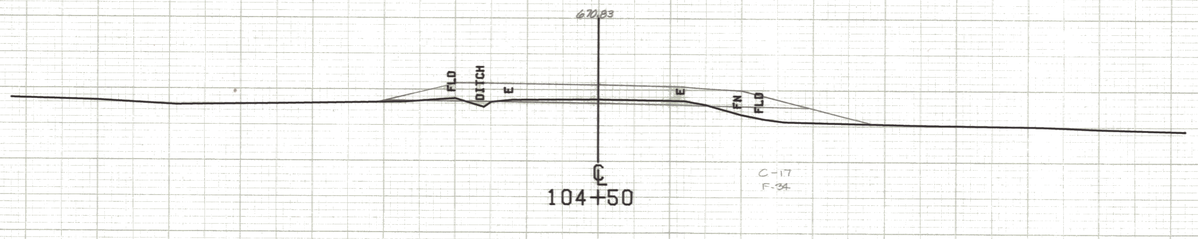


104475 Lt
Construct Drive

104+75
Drive Lt

PC 104+92.34
D 1° 84'

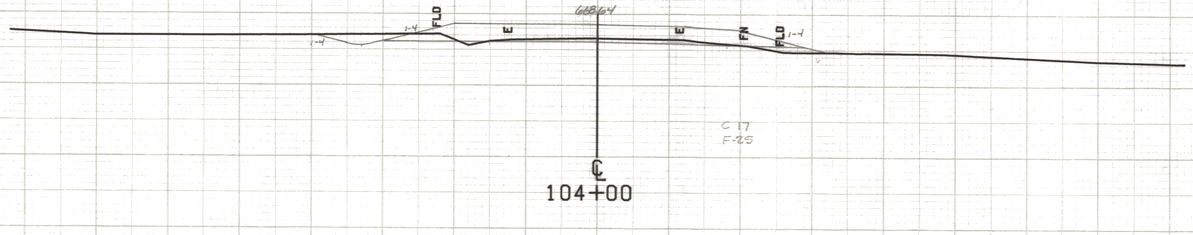




104+50

660

660

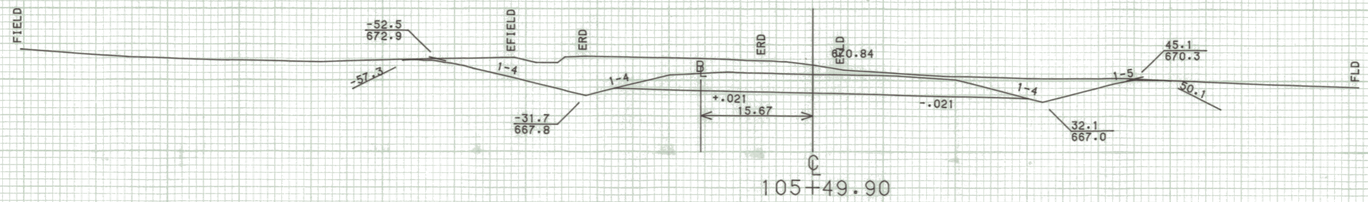


104+00

660

FROM STA. 104+00	TO STA. 105+50
PROJECT NAME	WALLINGFORD
NO.	RS0137(5) PLOTTED 10/06/80
SURVEYED BY	DAVIS 02/80
SHEET OF	SHEETS

SCALE 10 FEET



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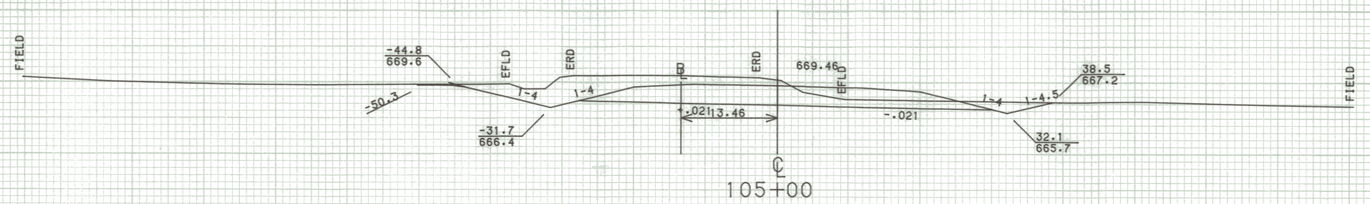

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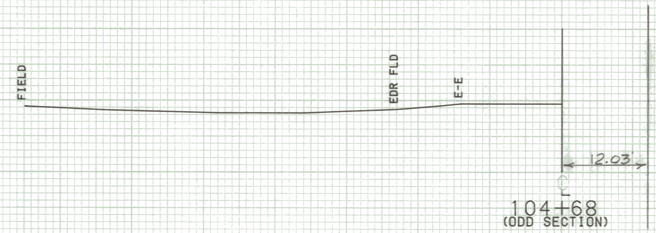

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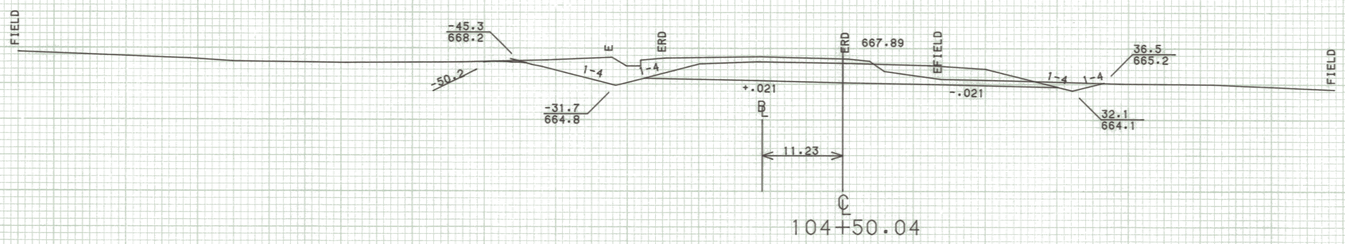

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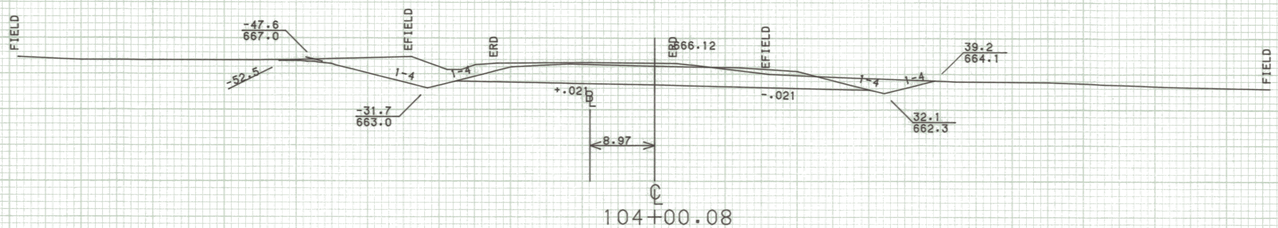
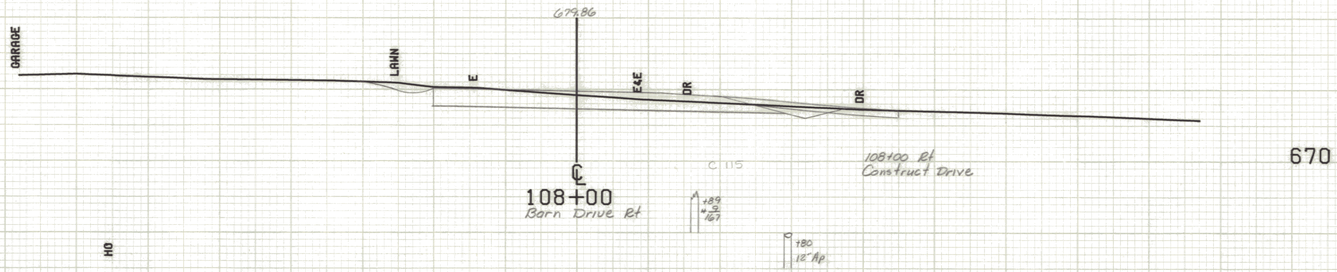
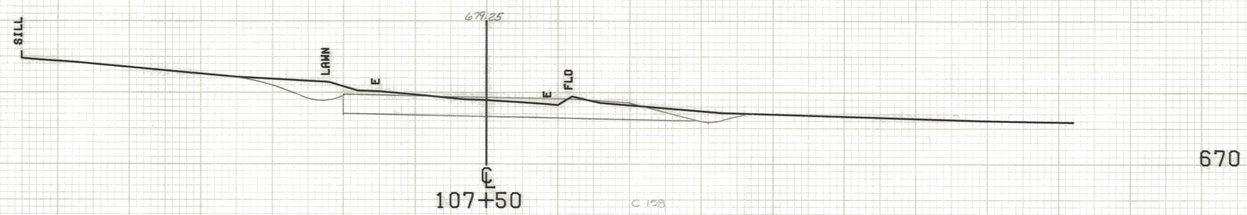


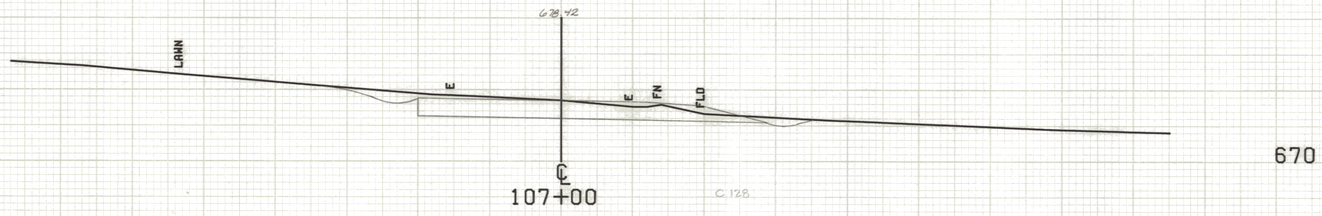
660

SCALE 10 FEET

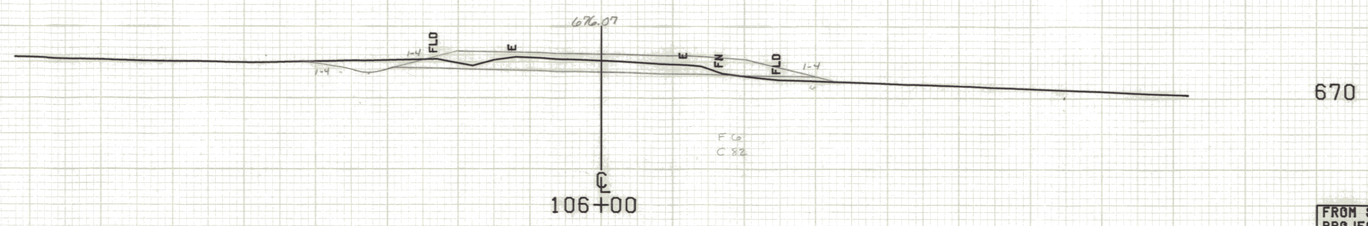
FROM STA. 104+00.08		TO STA. 105+49.90	
PROJECT NAME	WALLINGFORD		
NO.	RS0137(5)	PLOTTED	11/13/85
SURVEYED BY	FANTONI		MAY - 85
SHEET OF	SHEETS		





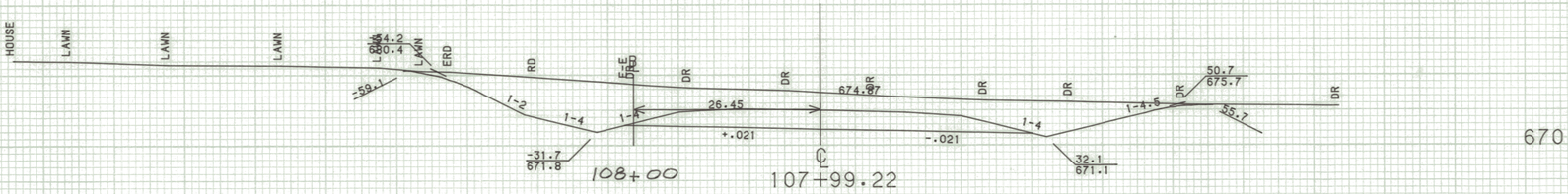






FROM STA. 106+00		TO STA. 108+00	
PROJECT NAME	WALLINGFORD		
NO.	RS0137(5)	PLOTTED	10/06/80
SURVEYED BY	DAVIS		02/80
SHEET OF	SHEETS		

SCALE 10 FEET



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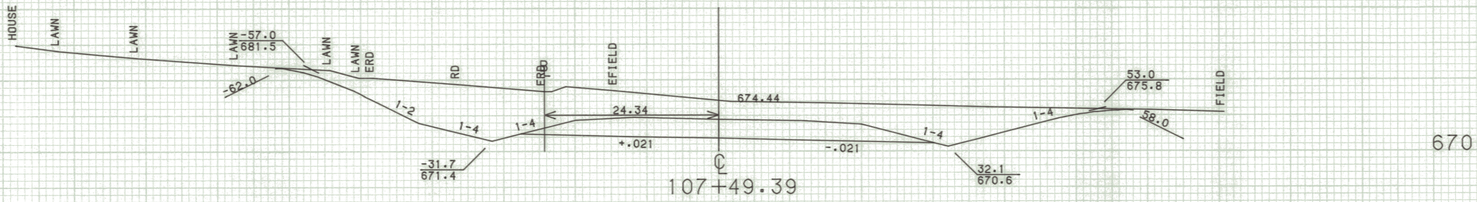

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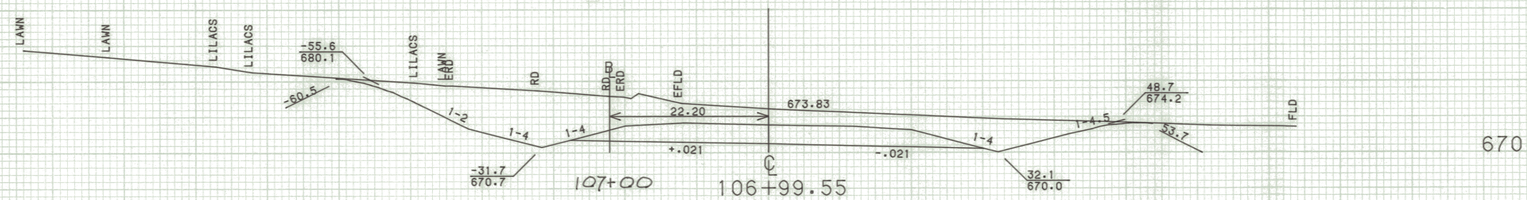
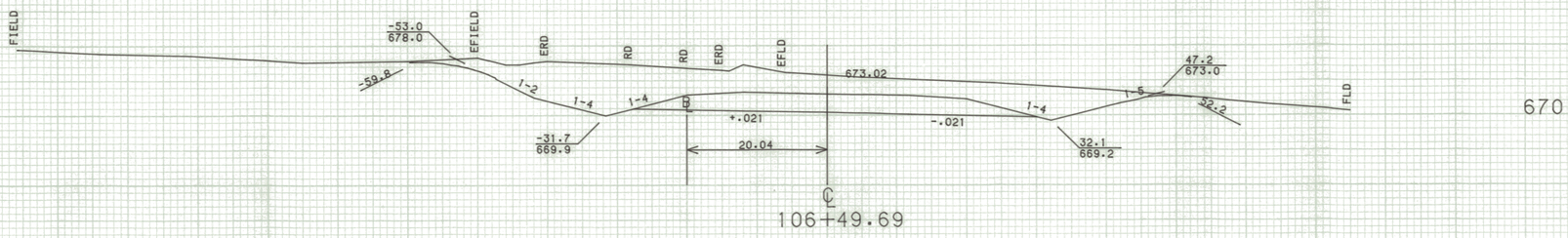


670



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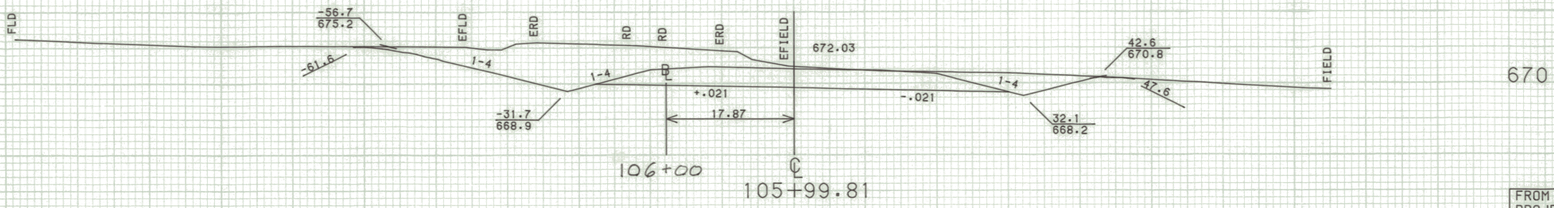
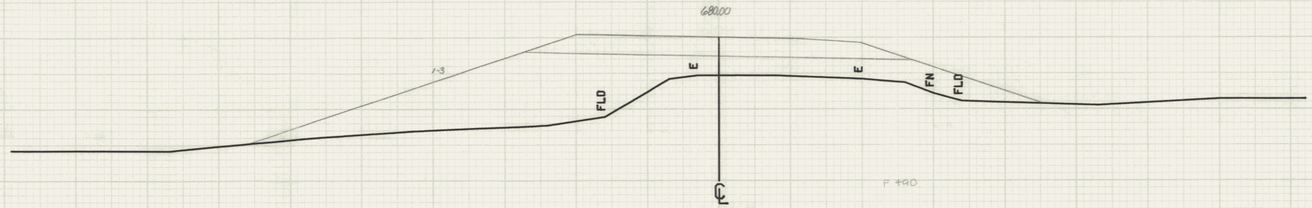


670

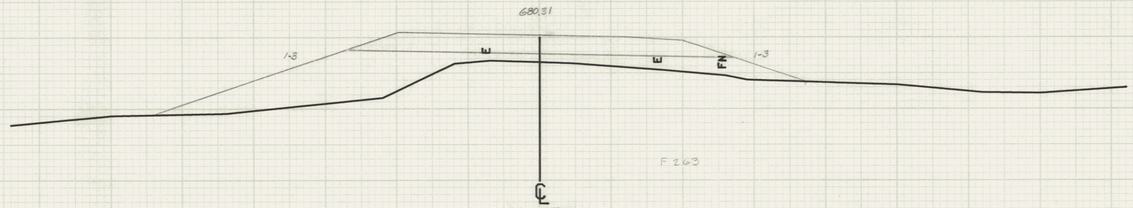
SCALE 10 FEET

FROM STA. 105+99.81		TO STA. 107+99.22	
PROJECT NAME	WALLINGFORD		
NO.	RS0137(5)		PLOTTED 11/13/85
SURVEYED BY	FANTONI		MAY - 85
SHEET OF SHEETS			



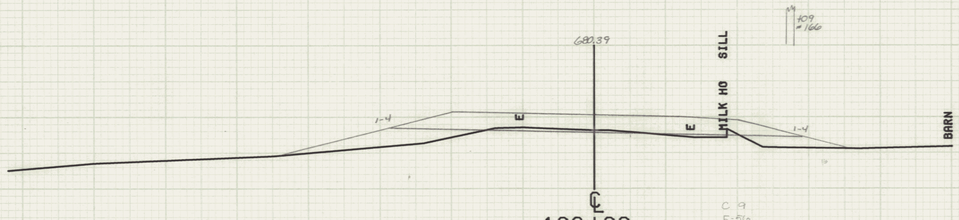
670

110+00



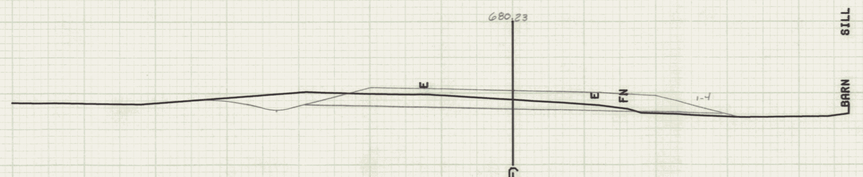
670

109+50



670

109+00
Milk House Rt



670

108+50
Barn Rt



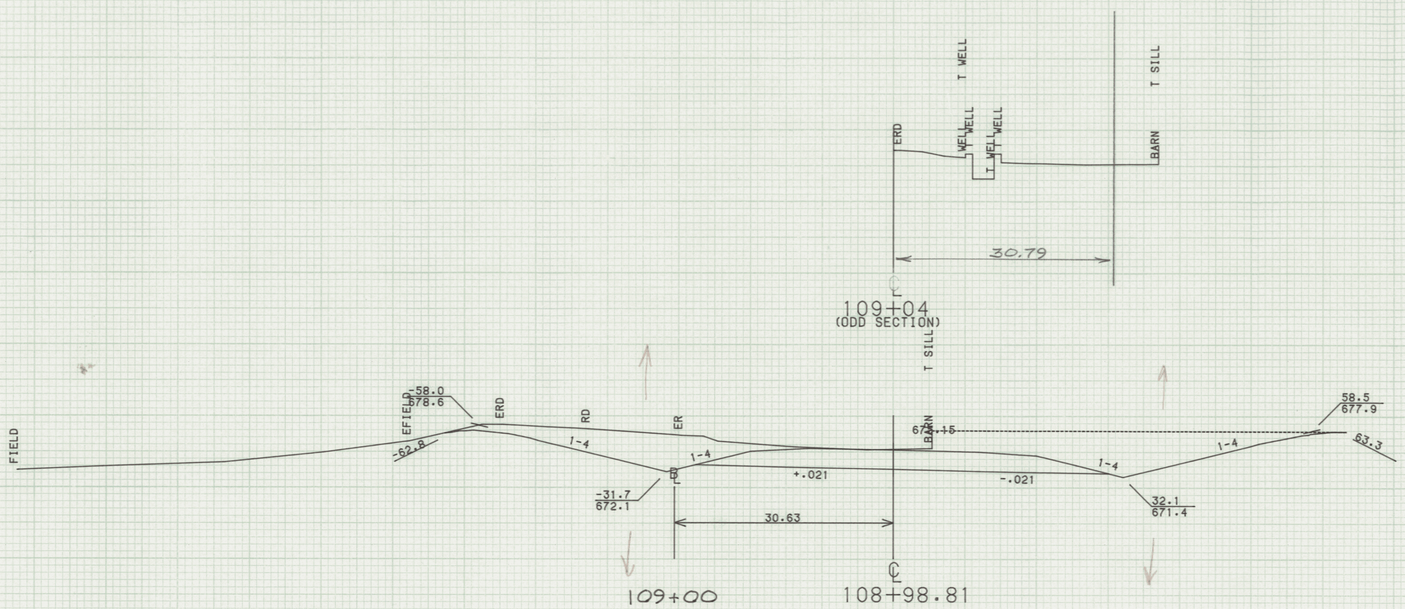
670

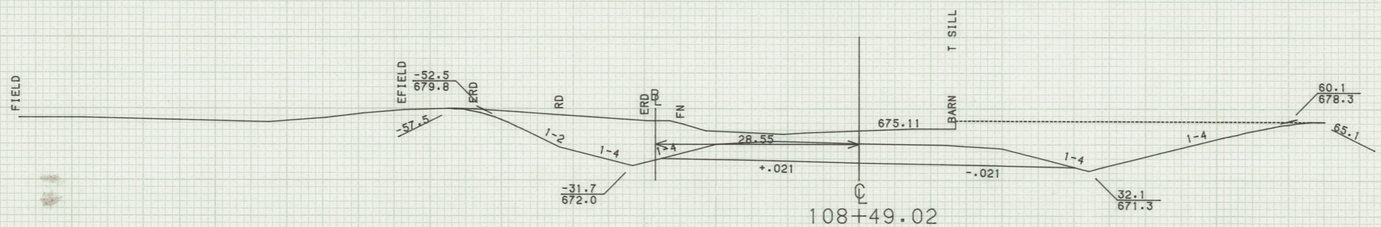
108+15 Lt
Construct Drive

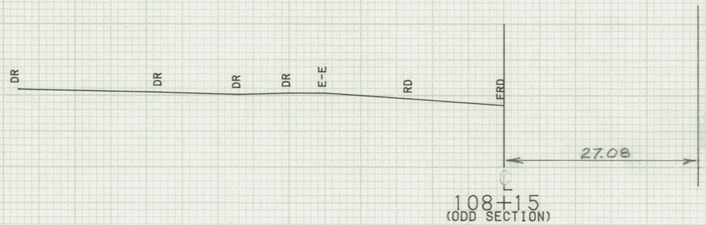
108+15
Drive Lt

FROM STA. 108+15	TO STA. 110+00
PROJECT NAME WALLINGFORD	
NO. RS0137(5)	PLOTTED 10/06/80
SURVEYED BY DAVIS	02/80
SHEET OF SHEETS	

SCALE 10 FEET







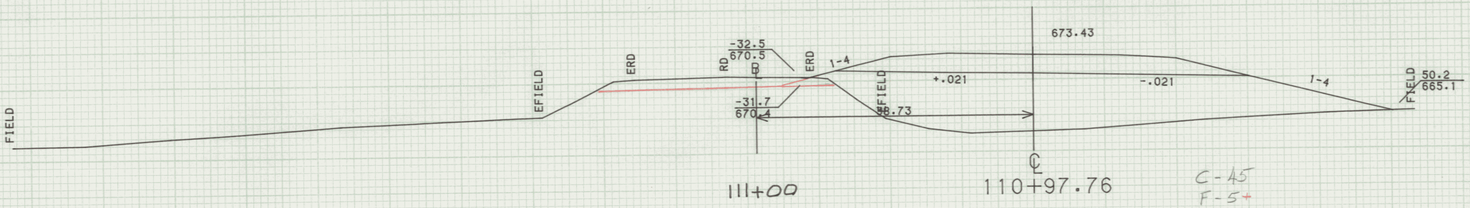
670

670

670

FROM STA. 108+15		TO STA. 109+04	
PROJECT NAME	WALLINGFORD		
NO.	RS0137(5)	PLOTTED	11/13/85
SURVEYED BY	FANTONI		MAY - 85
SHEET OF	SHEETS		

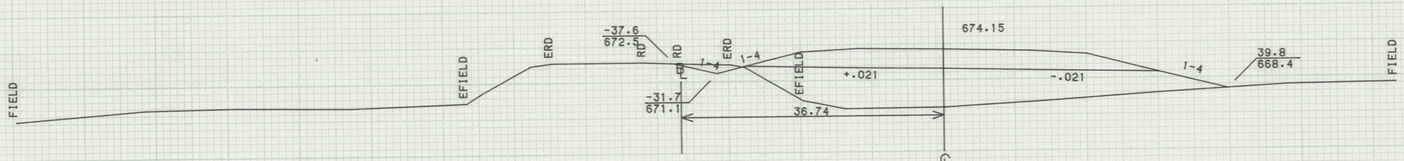
SCALE 10 FEET



660

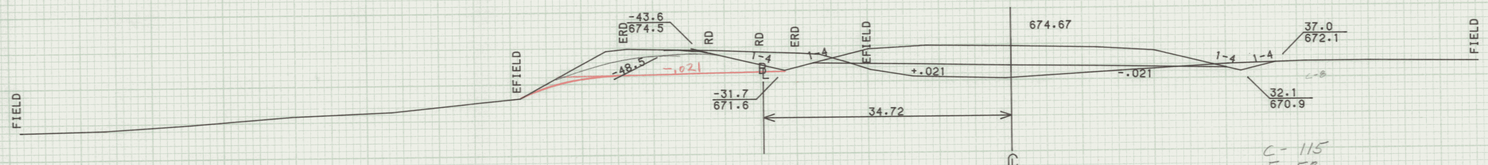
111+00 ℄ 110+97.76

C-45
F-5



670

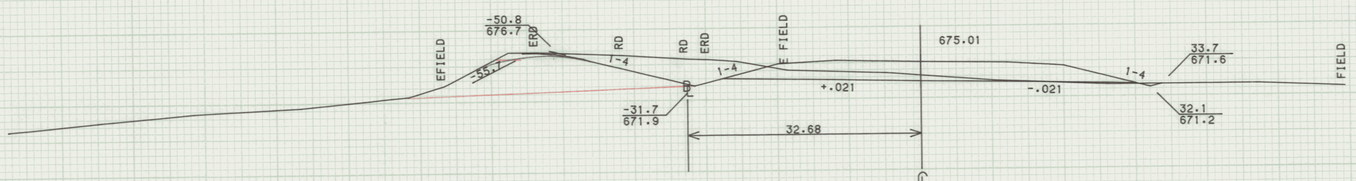
℄ 110+48.05



670

110+00 ℄ 109+98.32

C-115
F-58

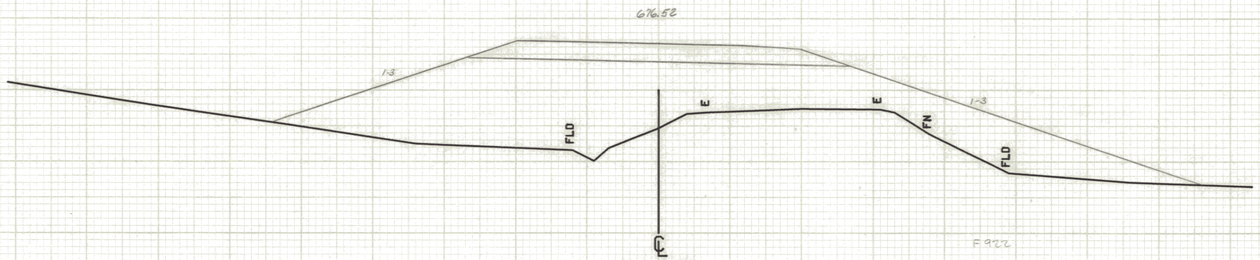


670

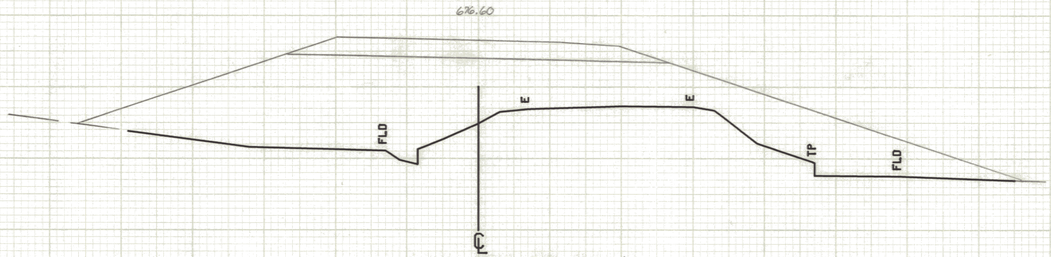
109+50 ℄ 109+48.57

SCALE 10 FEET

FROM STA. 109+48.57		TO STA. 110+97.76	
PROJECT NAME	WALLINGFORD		
NO.	RS0137(5)		PLOTTED 11/13/85
SURVEYED BY	FANTONI		MAY - 85
SHEET OF	SHEETS		

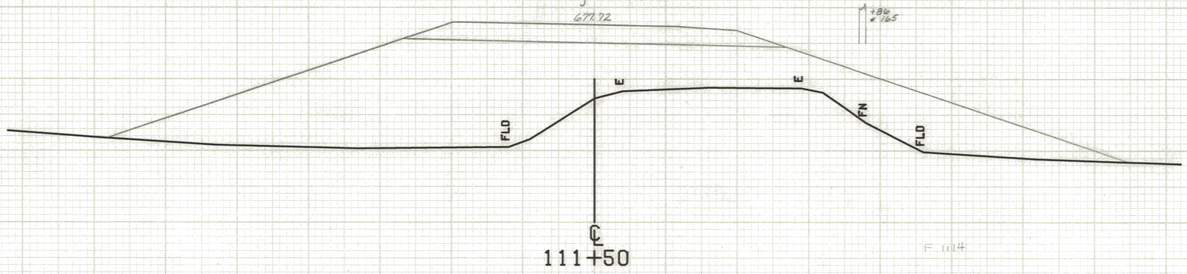


112+00

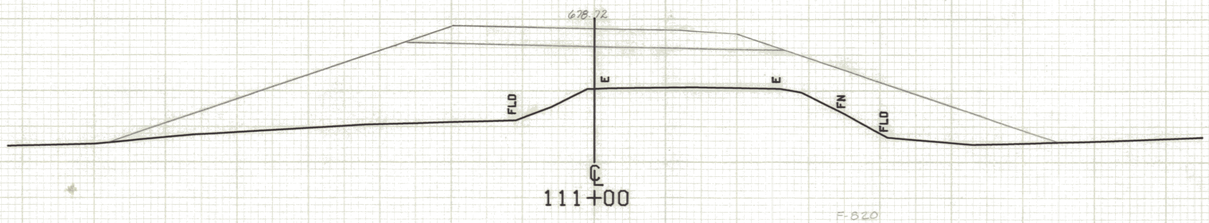


111+96.50 85° ct

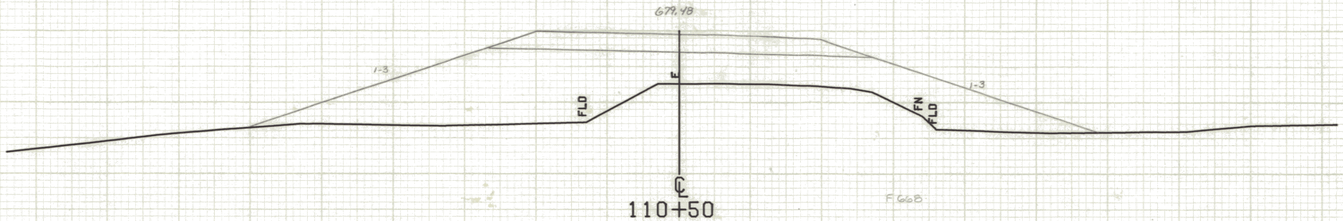
Existing 18" R.C.P.



111+50



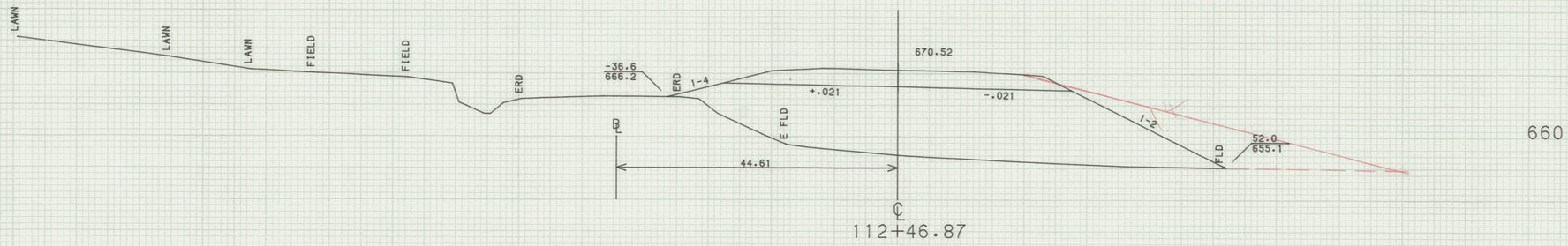
111+00



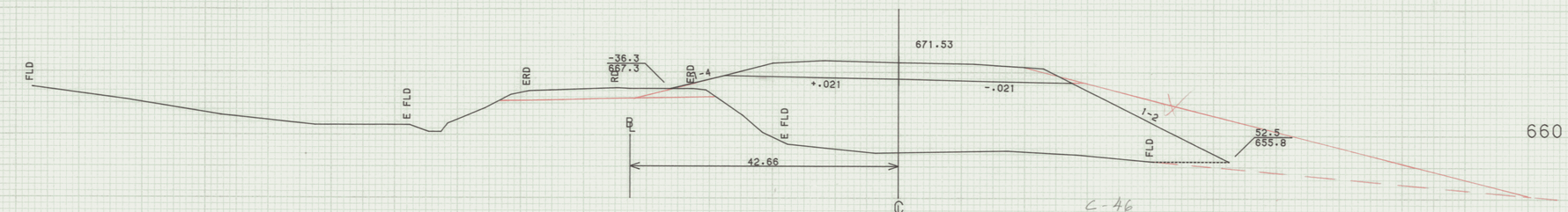
110+50

FROM STA. 110+50	TO STA. 112+00
PROJECT NAME	WALLINGFORD
NO.	RS0137(5) PLOTTED 10/06/80
SURVEYED BY	DAVIS 02/80
SHEET OF	SHEETS

SCALE 10 FEET



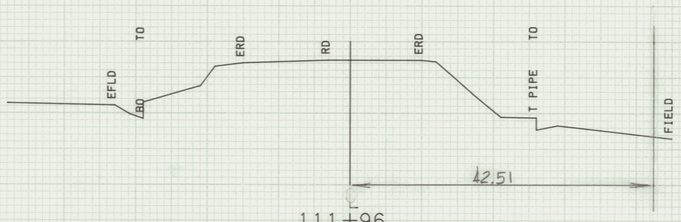
112+46.87



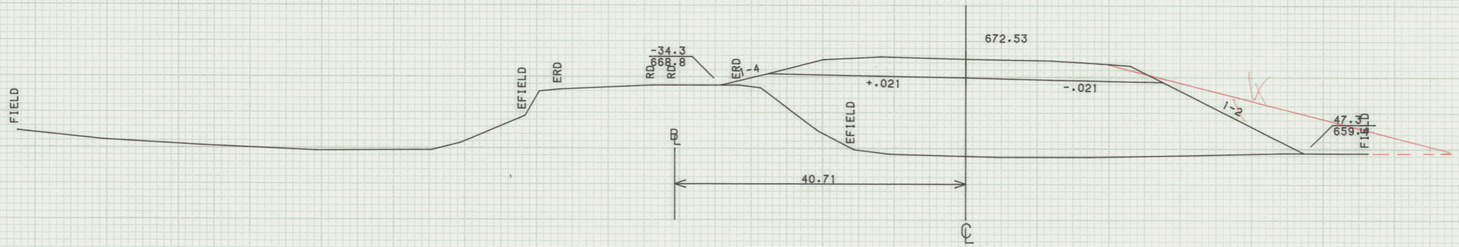
112+00

111+97.13

C-46
F-1040



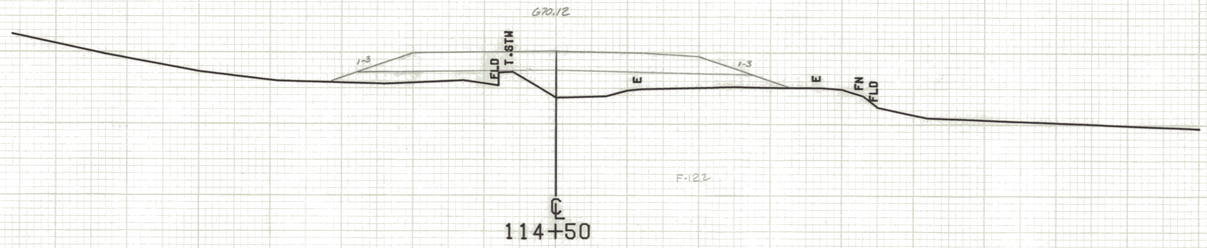
111+96
(SKEW SECTION)

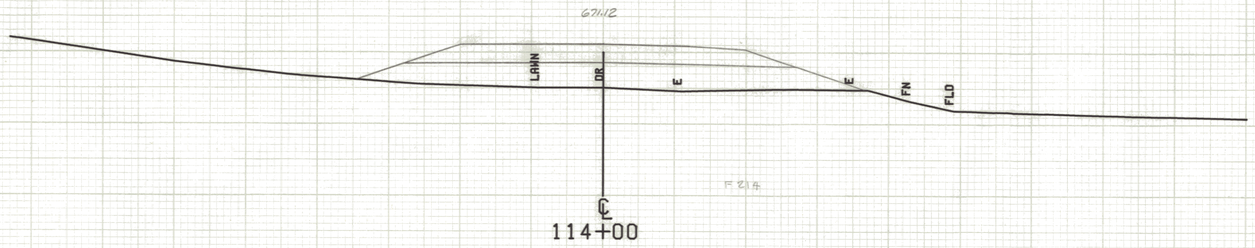


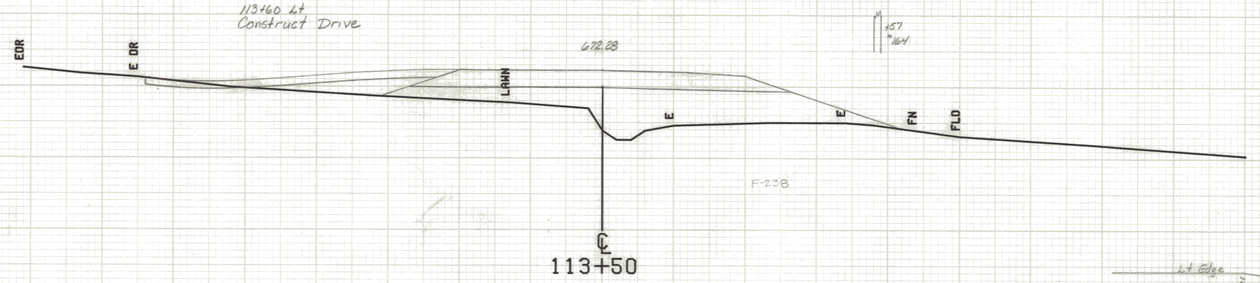
111+47.45

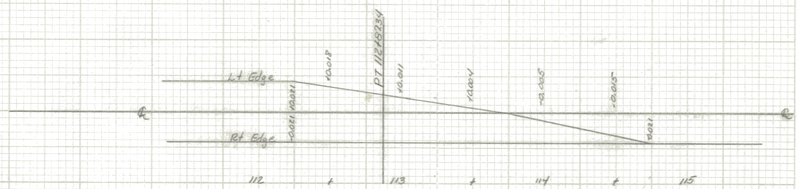
SCALE 10 FEET

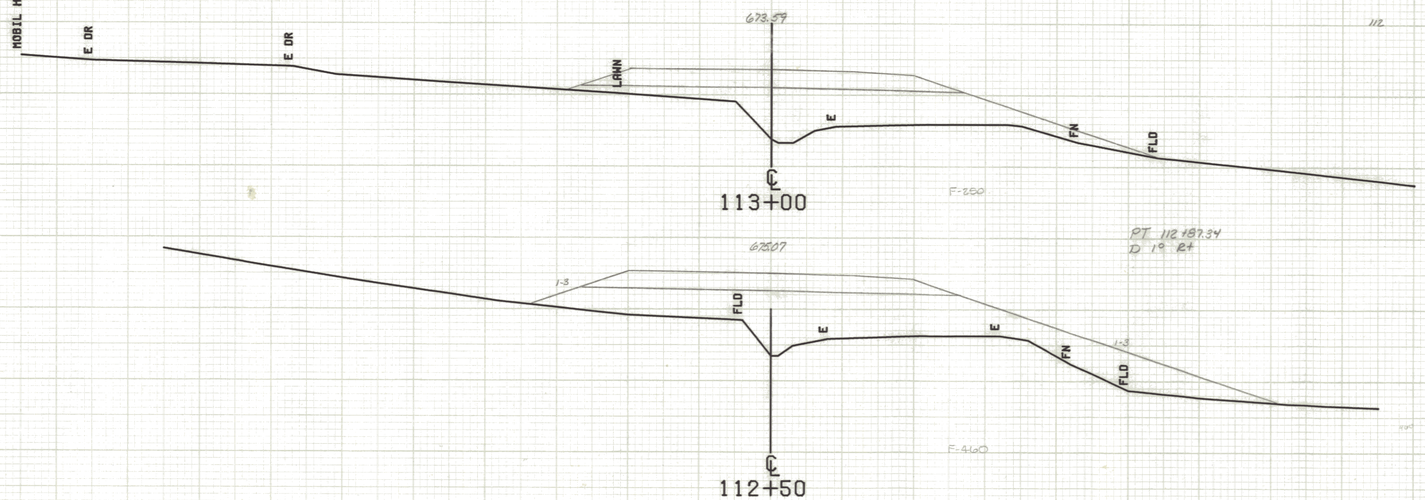
FROM STA. 111+47.45		TO STA. 112+46.87	
PROJECT NAME	WALLINGFORD		
NO.	RS0137(5)	PLOTTED	11/13/85
SURVEYED BY	FANTONI		MAY - 85
SHEET OF	SHEETS		





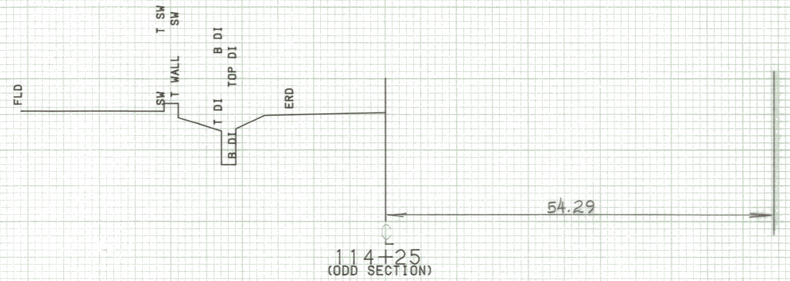






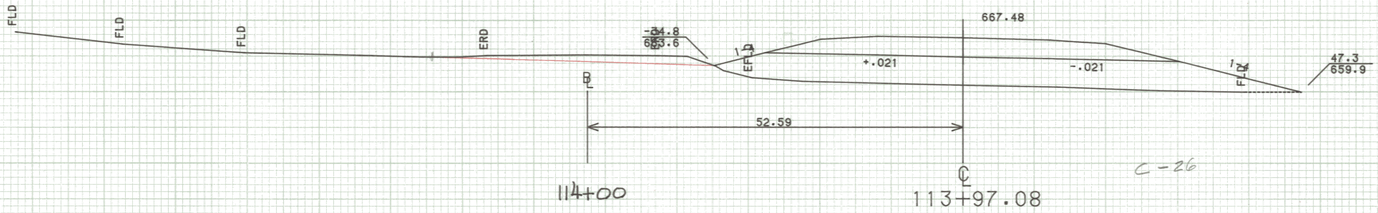
FROM STA. 112+50		TO STA. 114+50	
PROJECT NAME	WALLINGFORD		
NO.	RS0137(6)	PLOTTED	10/06/80
SURVEYED BY	DAVIS		02/80
SHEET OF	SHEETS		

SCALE 10 FEET



114+25
(ODD SECTION)

660

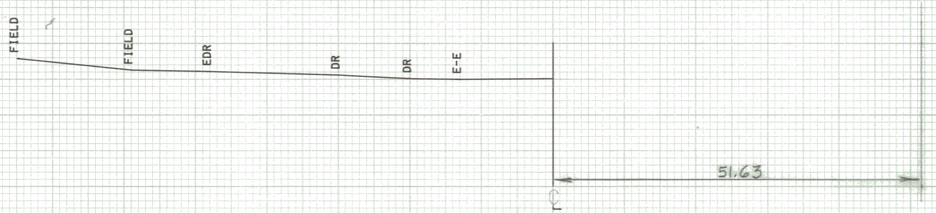


114+00

℄
113+97.08

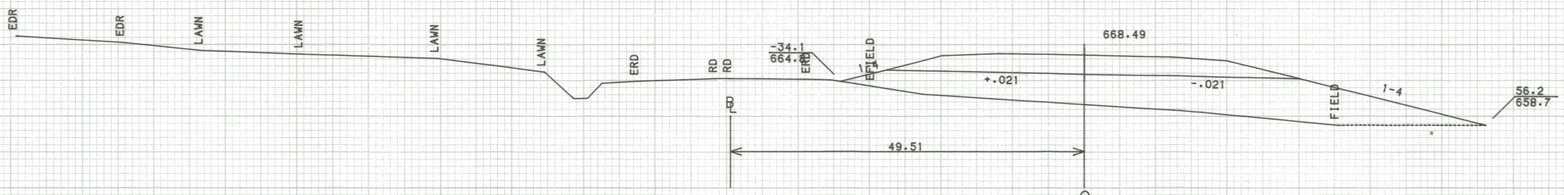
C-26

660



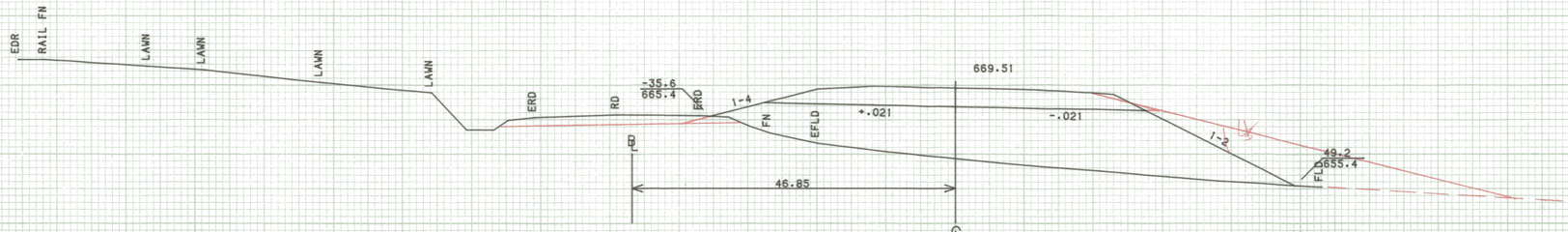
113+85
(ODD SECTION)

660



℄
113+46.99

660



113+00

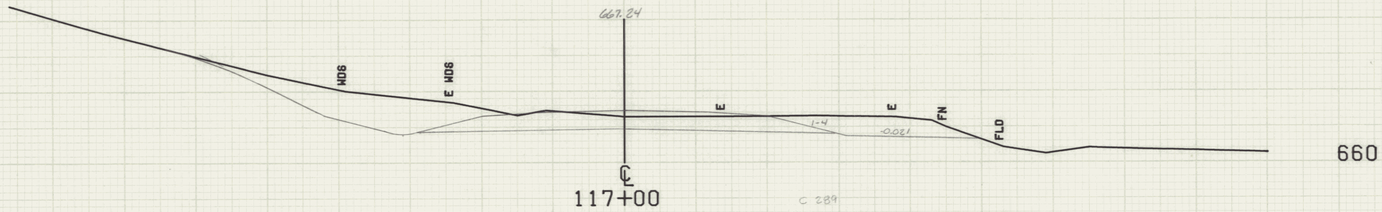
℄
112+96.92

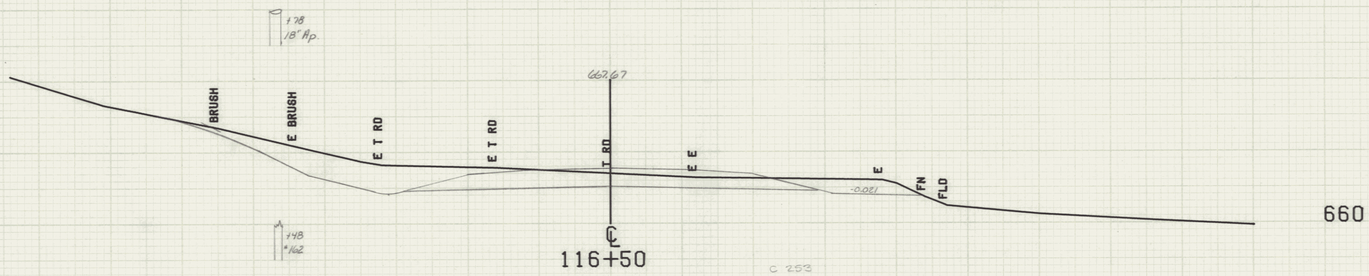
F-692
C-85

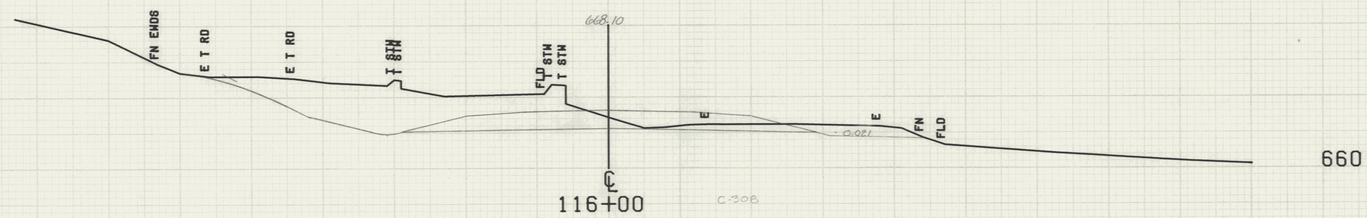
660

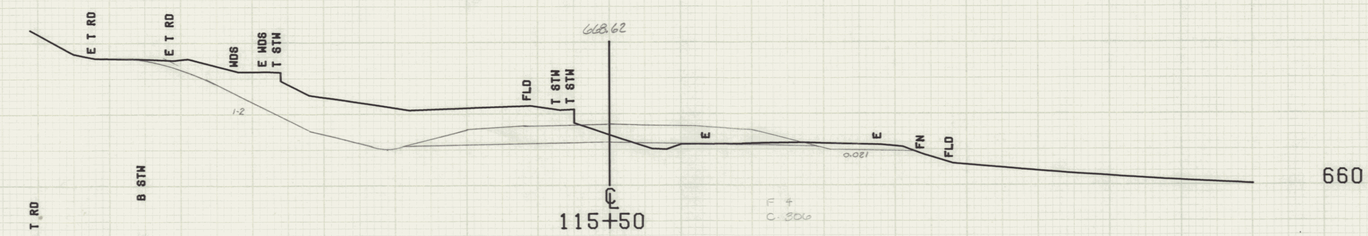
FROM STA. 112+96.92		TO STA. 114+25	
PROJECT NAME	WALLINGFORD		
NO.	RS0137(5)	PLOTTED	11/13/85
SURVEYED BY	FANTONI		MAY - 85
SHEET OF	SHEETS		

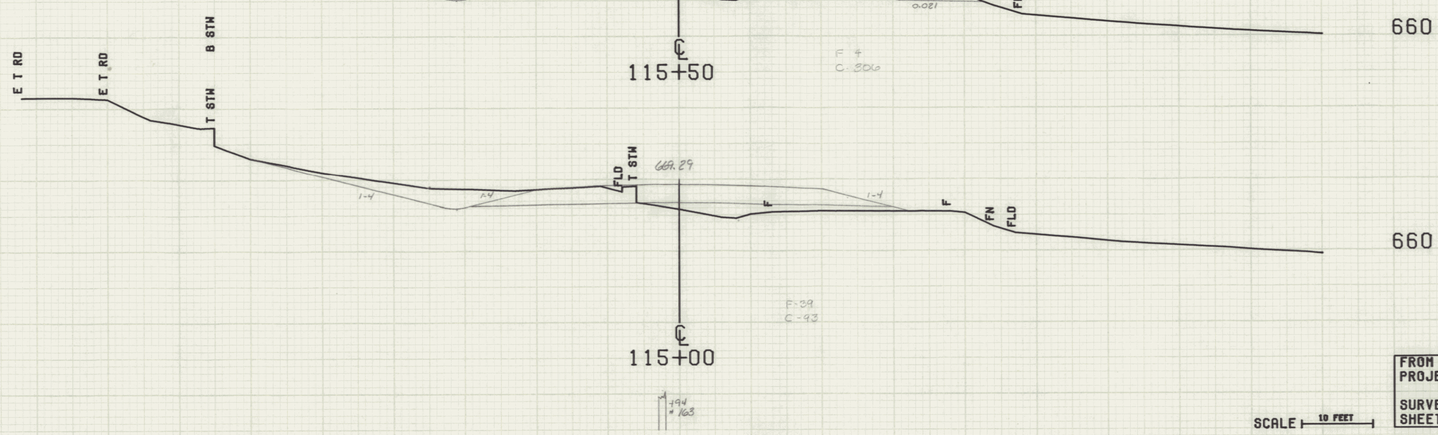
SCALE 10 FEET





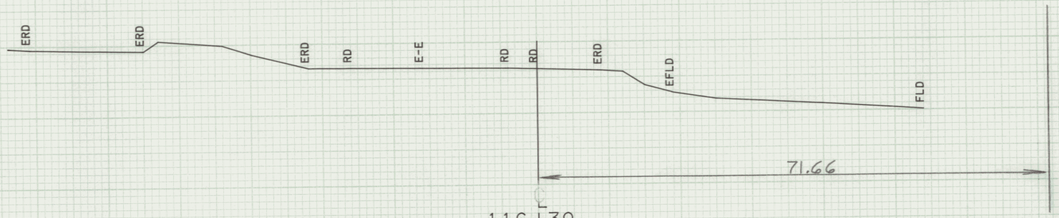






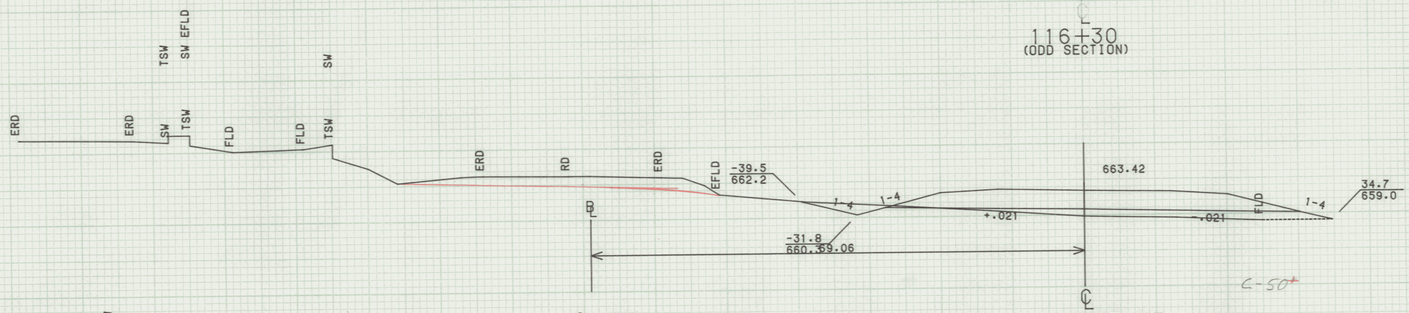
SCALE 10 FEET

FROM STA. 115+00	TO STA. 117+00
PROJECT NAME WALLINGFORD	
NO. RS0137(5)	PLOTTED 10/06/80
SURVEYED BY DAVIS	02/80
SHEET OF SHEETS	



660

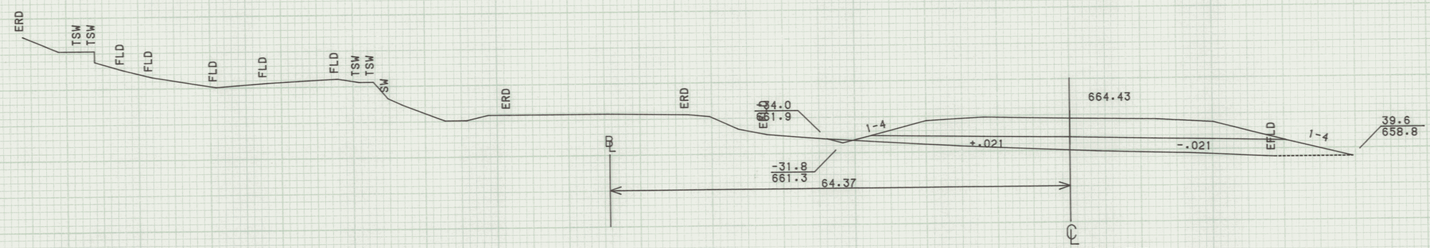
116+30
(ODD SECTION)



660

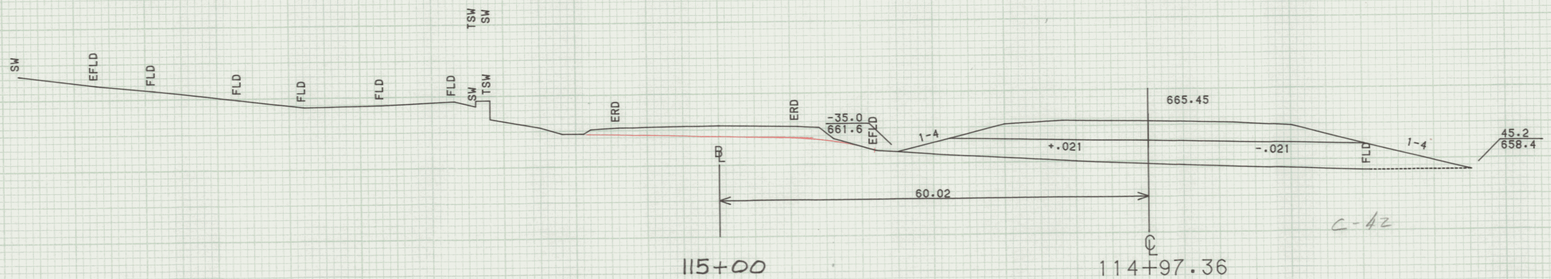
116+00

115+97.35



660

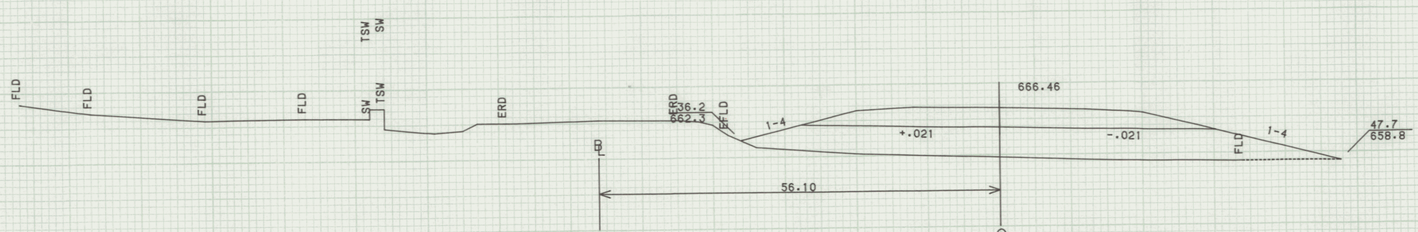
115+47.55



660

115+00

114+97.36

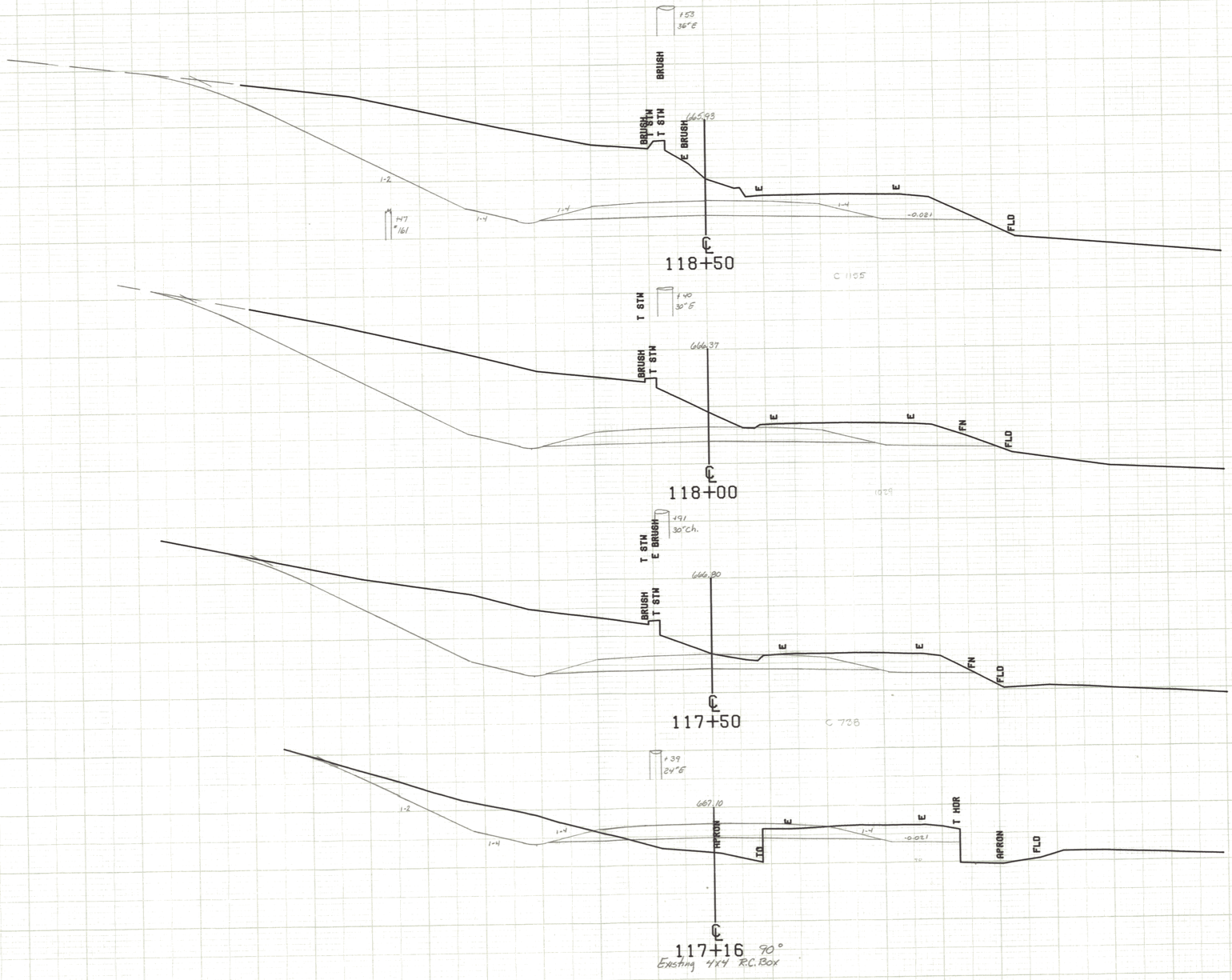


660

114+47.20

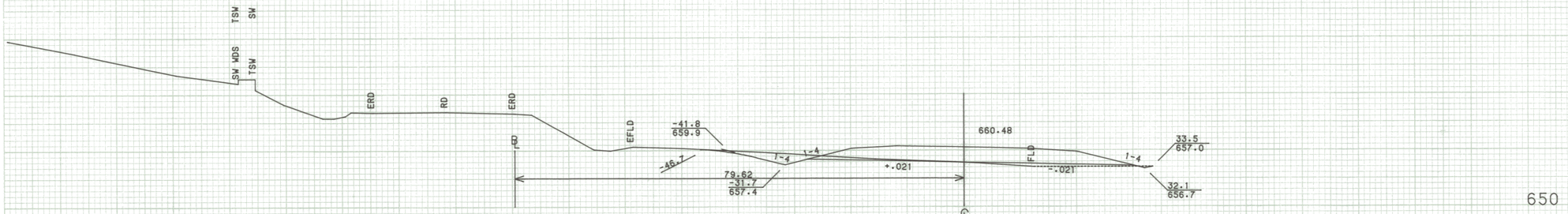
SCALE 10 FEET

FROM STA. 114+47.20		TO STA. 116+30	
PROJECT NAME	WALLINGFORD		
NO.	RS0137(5)		PLOTTED 11/13/85
SURVEYED BY	FANTONI		MAY - 85
SHEET OF	SHEETS		

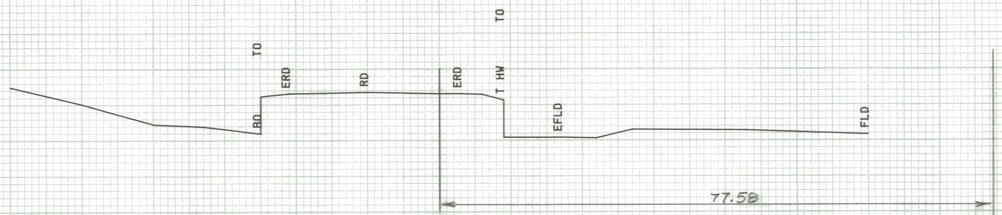


SCALE 10 FEET

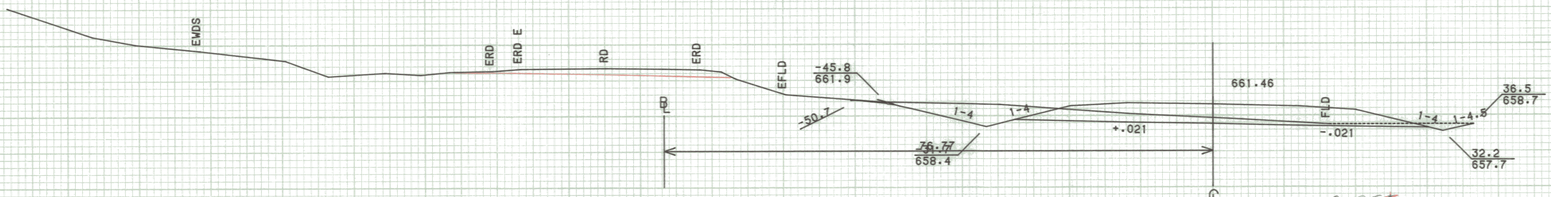
FROM STA. 117+16		TO STA. 118+50	
PROJECT NAME	WALLINGFORD		
NO.	RS0137(5)	PLOTTED	10/06/80
SURVEYED BY	DAVIS		02/80
SHEET OF	SHEETS		



℄
117+42.84



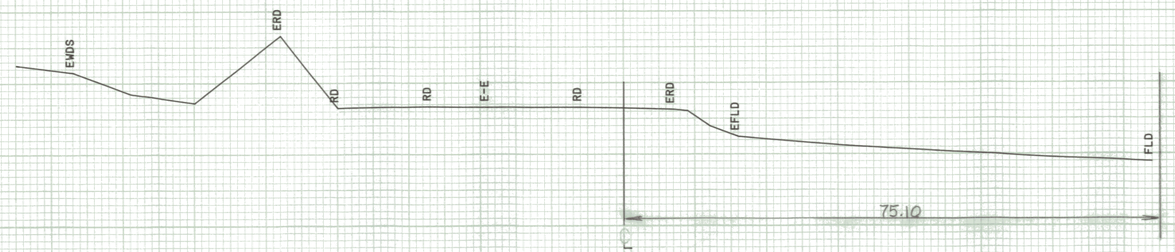
℄
117+13
(ODD SECTION)



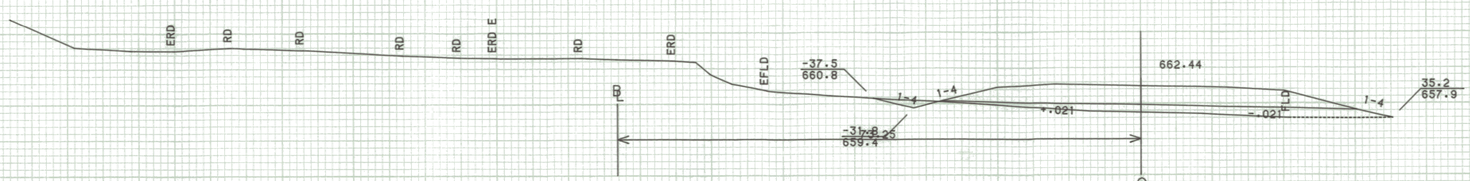
℄
117+00

℄
116+94.47

C-25



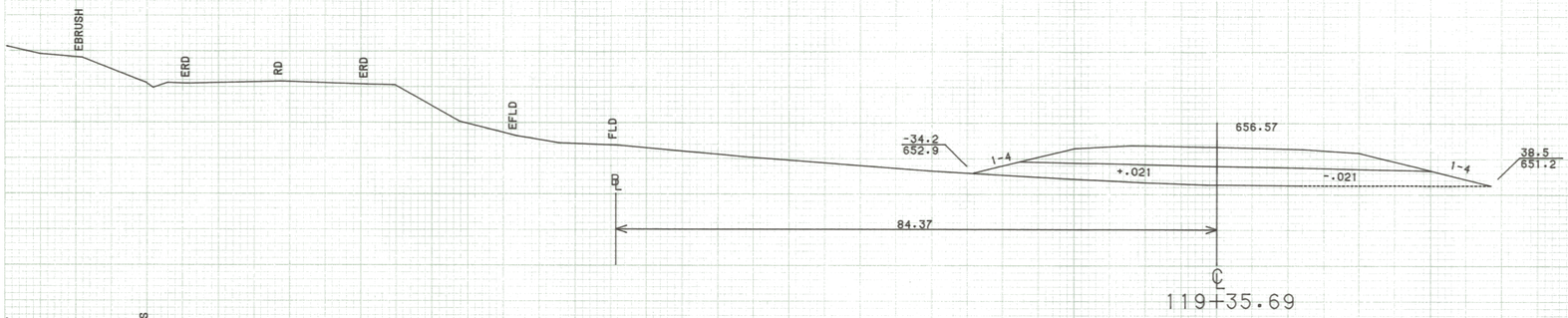
℄
116+75
(ODD SECTION)

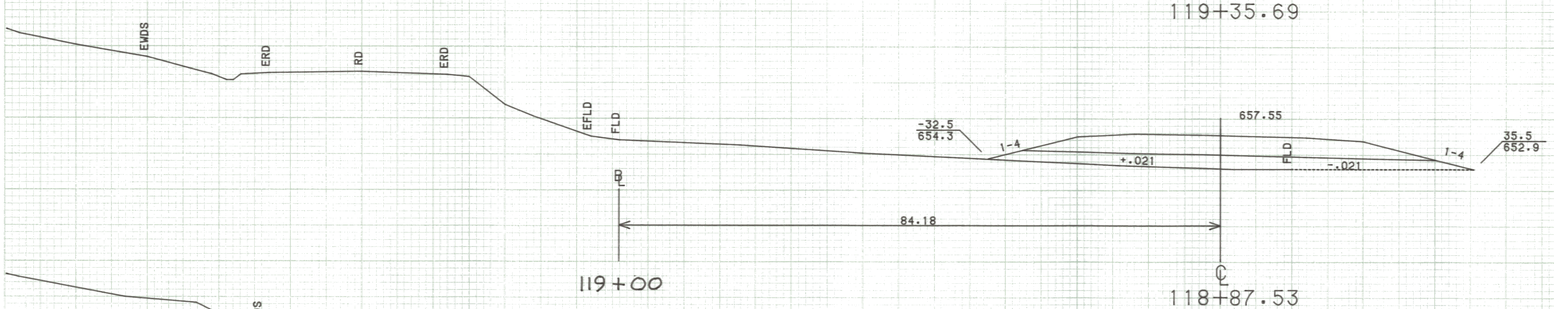


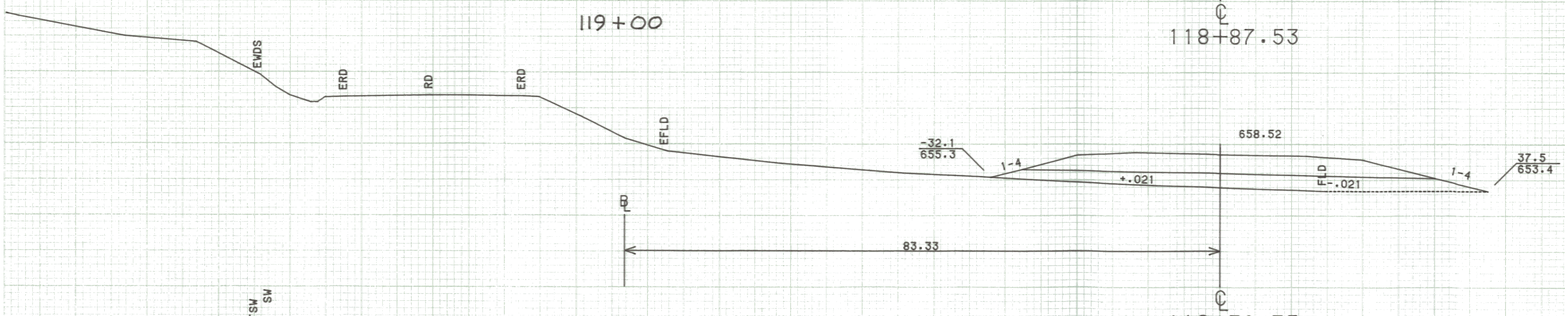
℄
116+45.98

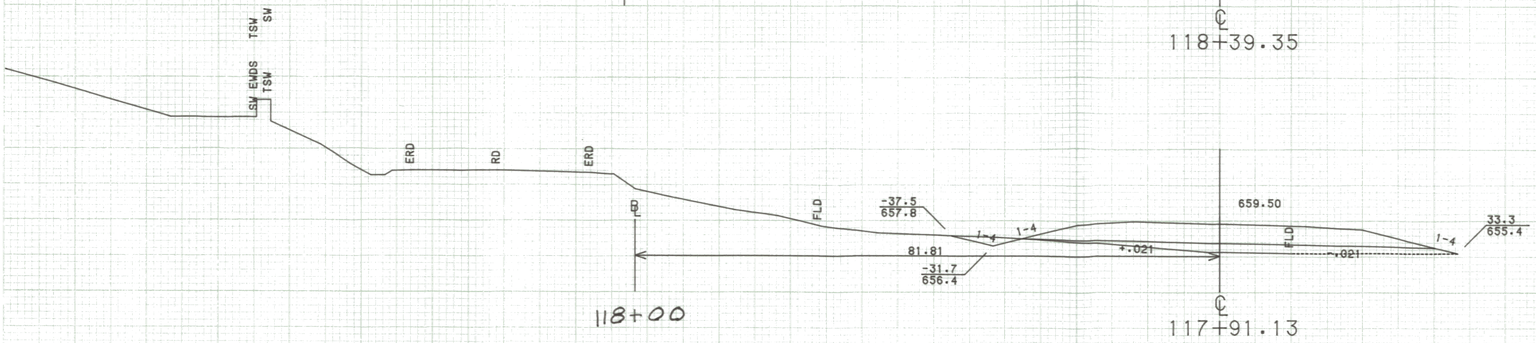
SCALE 10 FEET

FROM STA. 116+45.98		TO STA. 117+42.84	
PROJECT NAME	WALLINGFORD		
NO.	RS0137(5)		PLOTTED 11/13/85
SURVEYED BY	FANTONI		MAY - 85
SHEET OF	SHEETS		









650

650

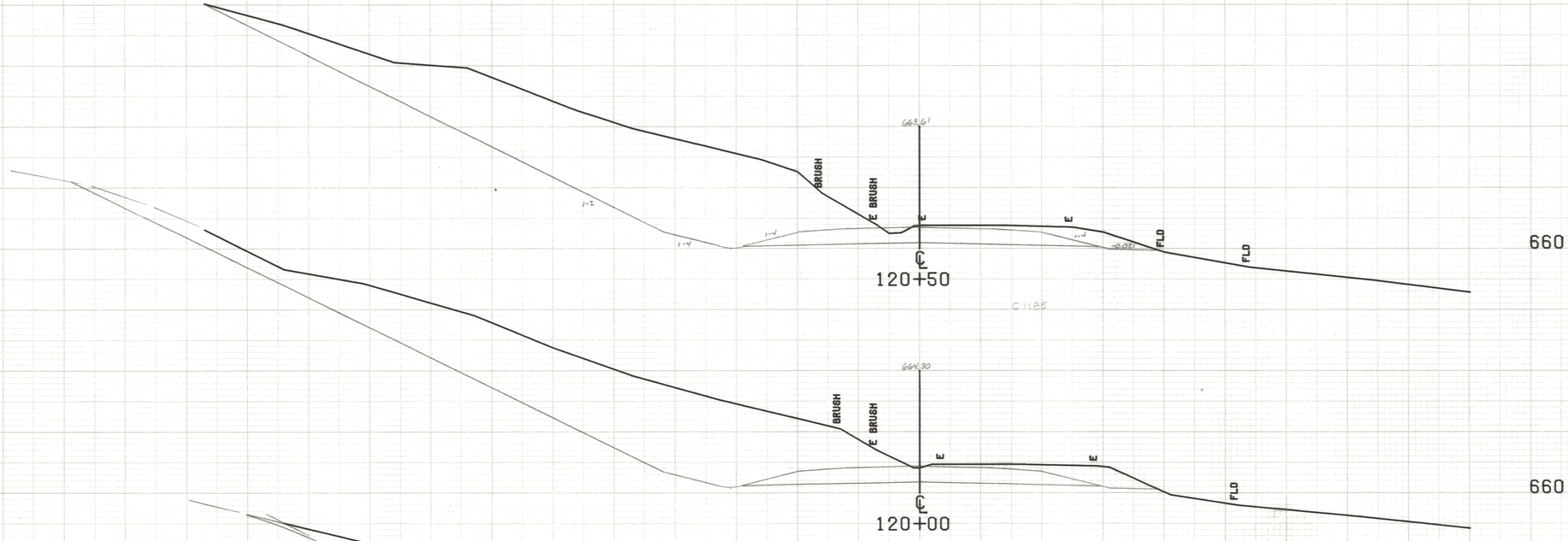
650

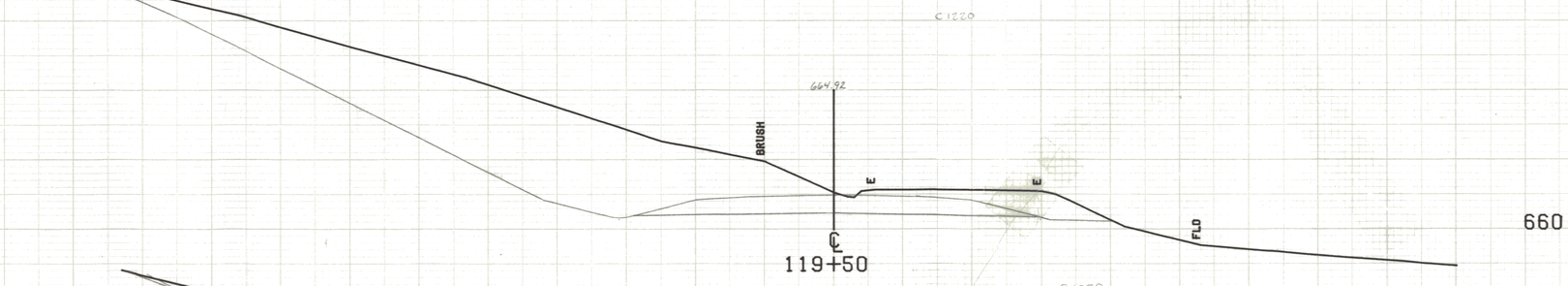
650

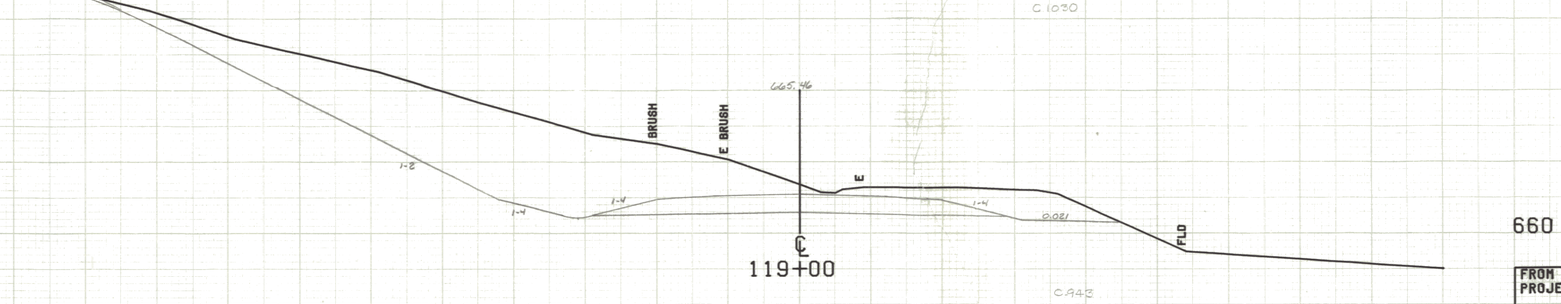
FROM STA. 117+91.13	TO STA. 119+35.69
PROJECT NAME	WALLINGFORD
NO.	RS0137(5)
SURVEYED BY	FANTONI
SHEET OF	SHEETS

PLOTTED 11/13/85
MAY - 85

SCALE 10 FEET

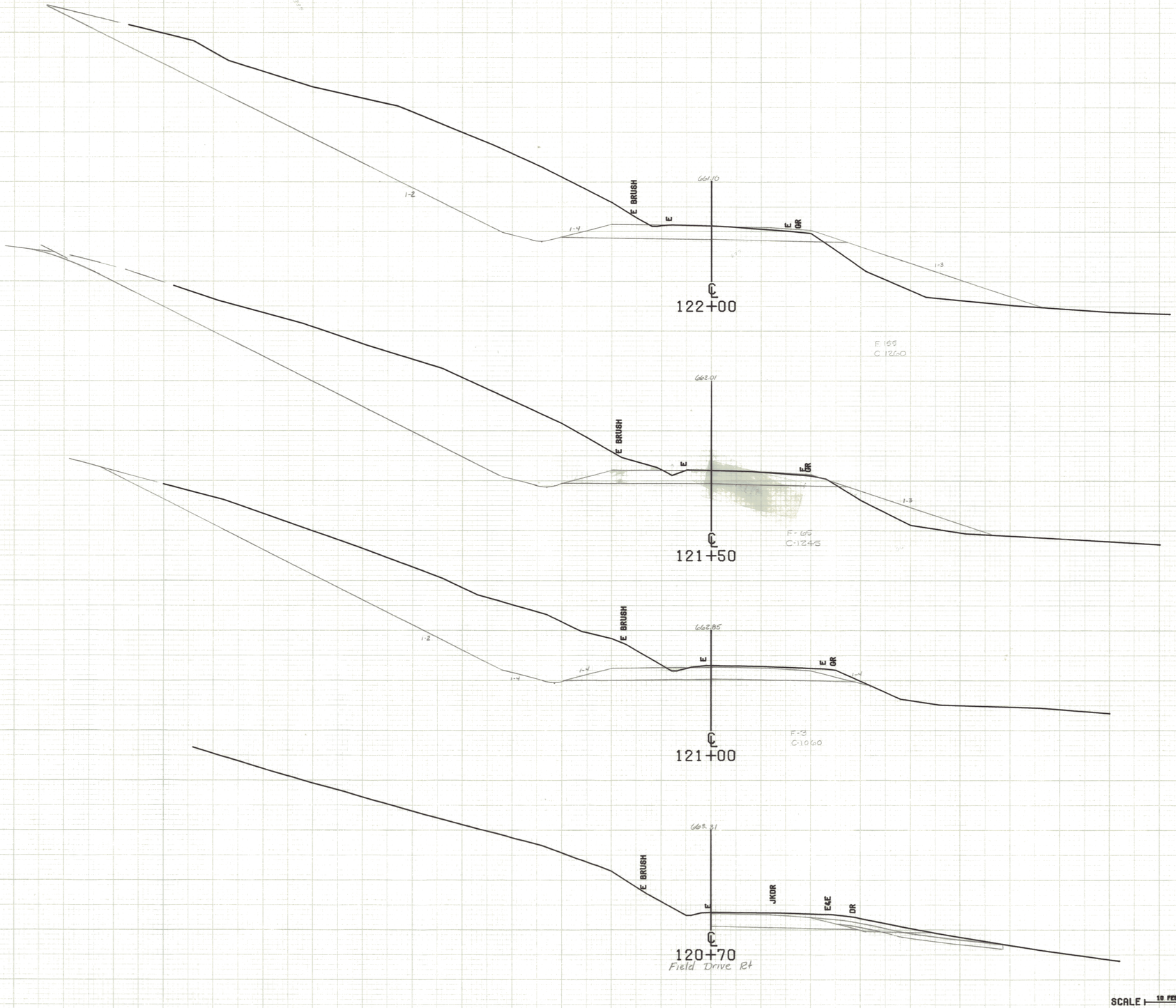






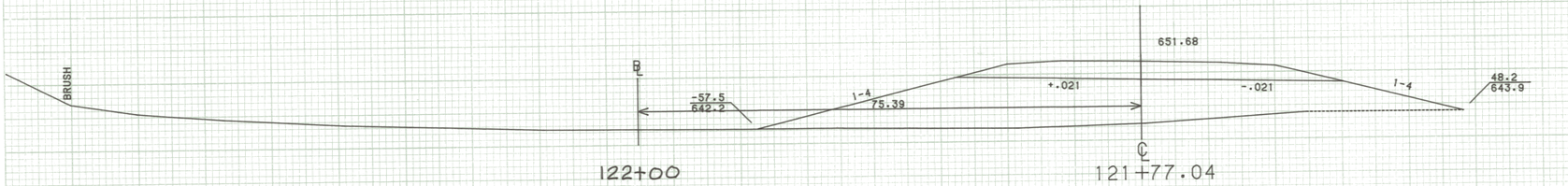
FROM STA. 119+00		TO STA. 120+50	
PROJECT NAME	WALLINGFORD		
NO.	RS0137(5)	PLOTTED	10/06/80
SURVEYED BY	DAVIS		02/80
SHEET OF	SHEETS		

SCALE 10 FEET

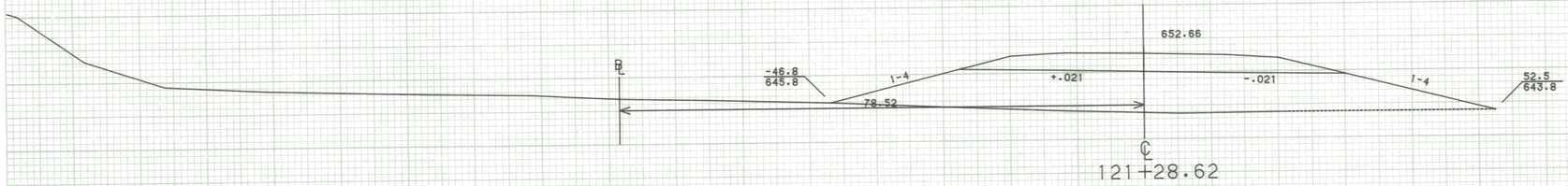


SCALE 10 FEET

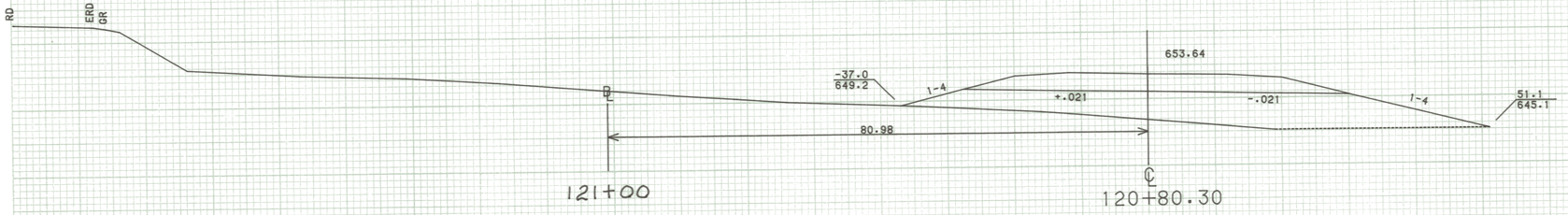
FROM STA. 120+70		TO STA. 122+00	
PROJECT NAME	WALLINGFORD		
NO.	RS0137(5)	PLOTTED	10/06/80
SURVEYED BY	DAVIS		02/80
SHEET OF	SHEETS		



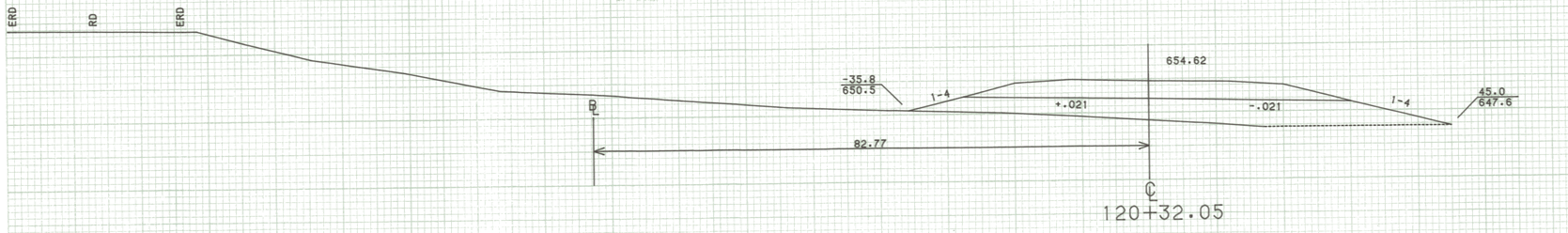
640



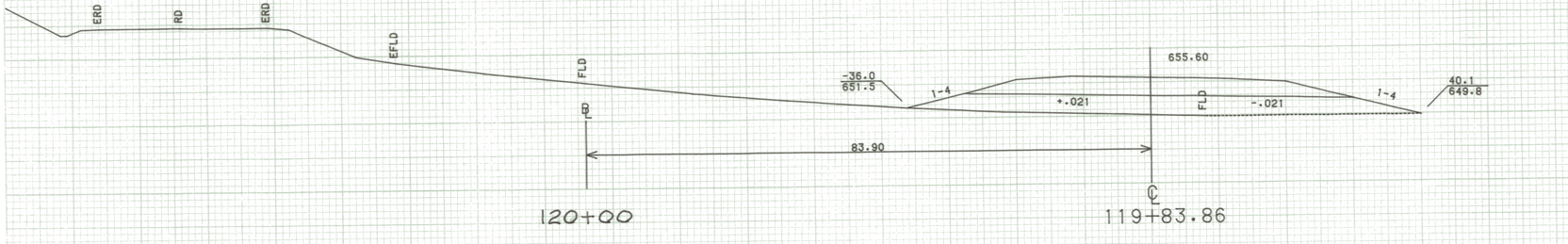
640



640



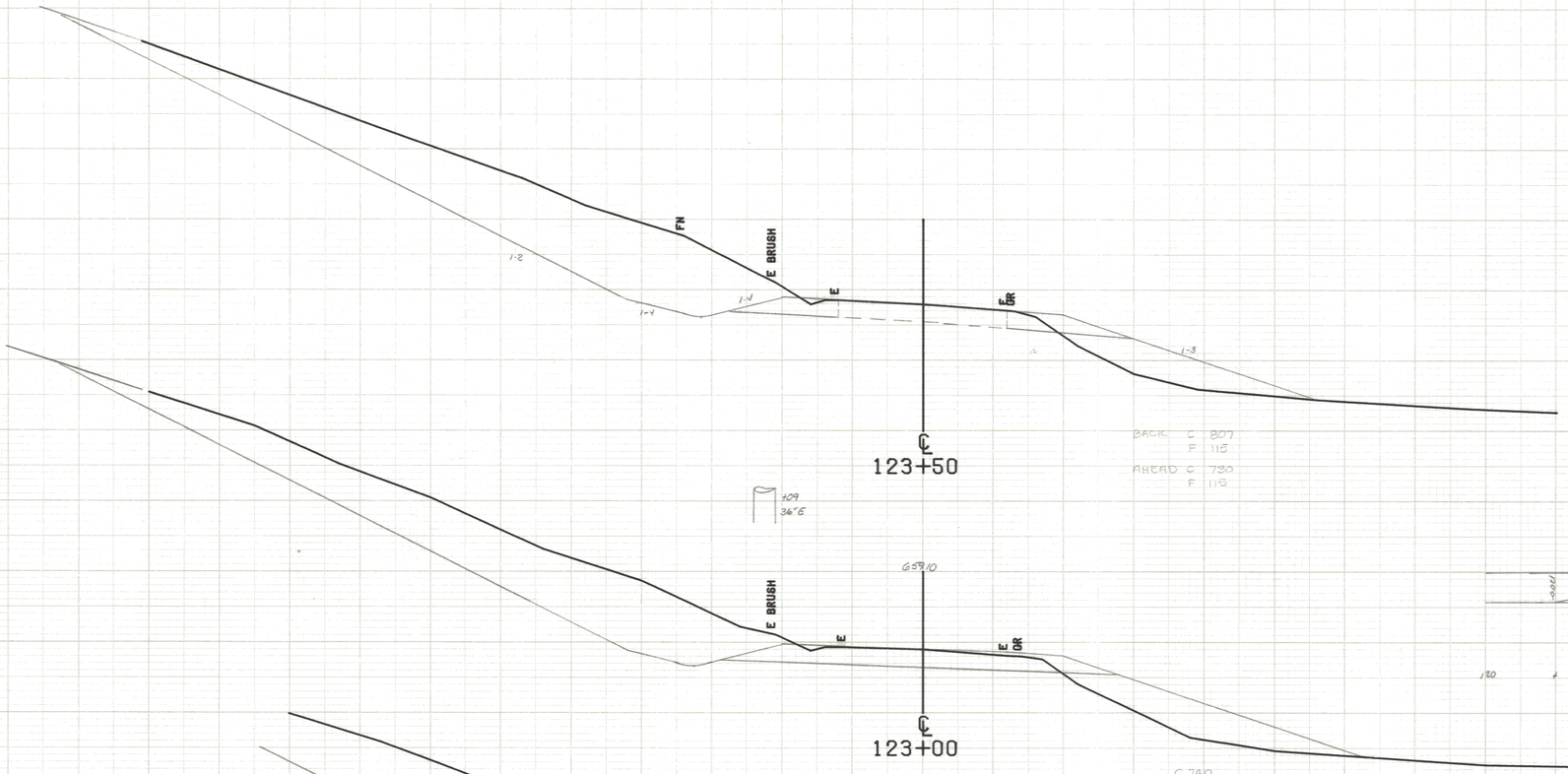
650



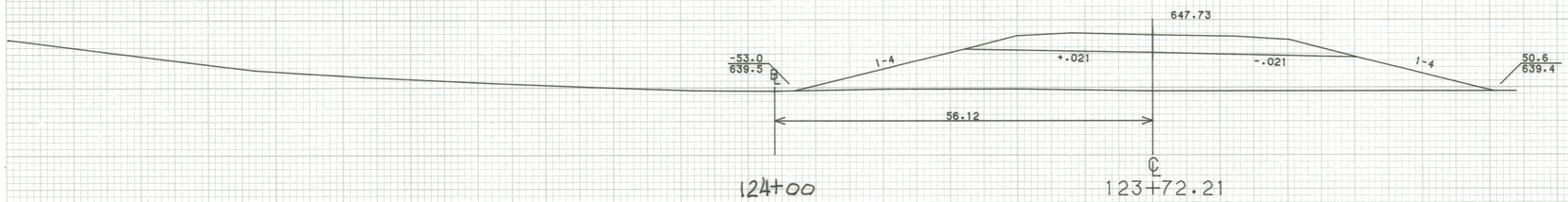
650

SCALE 10 FEET

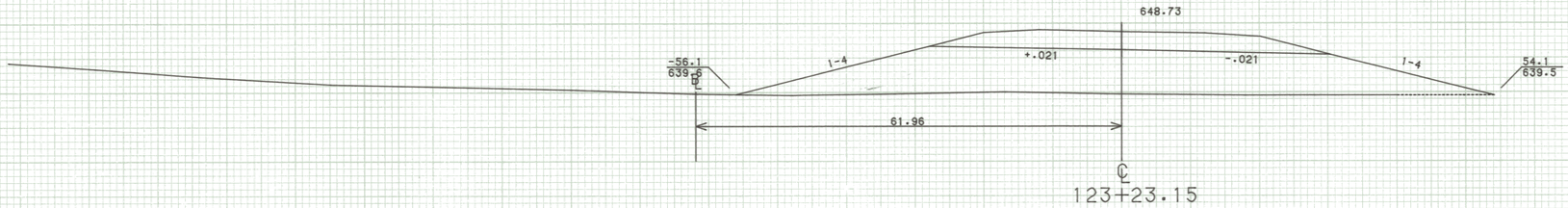
FROM STA. 119+83.86		TO STA. 121+77.04	
PROJECT NAME	WALLINGFORD		
NO.	RS0137(5)	PLOTTED	11/13/85
SURVEYED BY	FANTONI		MAY - 85
SHEET OF	SHEETS		



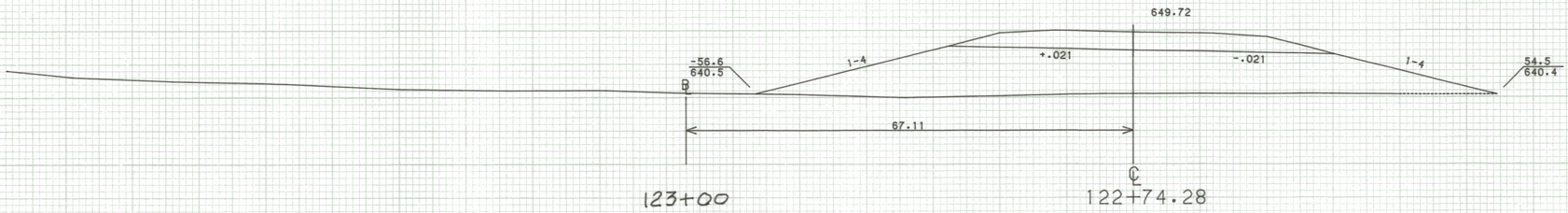
FROM STA. 122+50	TO STA. 123+50
PROJECT NAME	WALLINGFORD
NO.	RS0137(5) PLOTTED 10/06/80
SURVEYED BY	DAVIS 02/80
SHEET OF	SHEETS



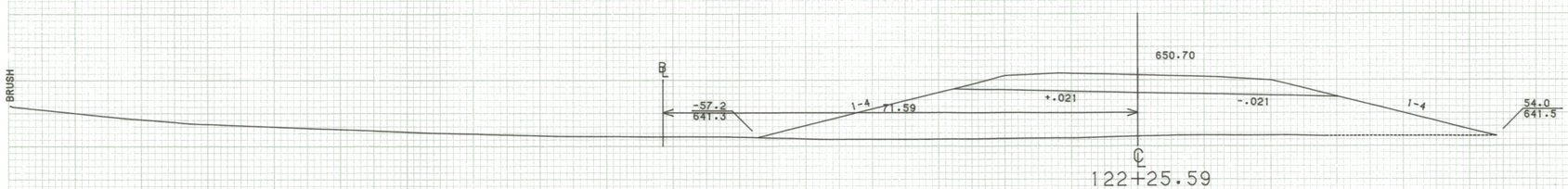
640



640



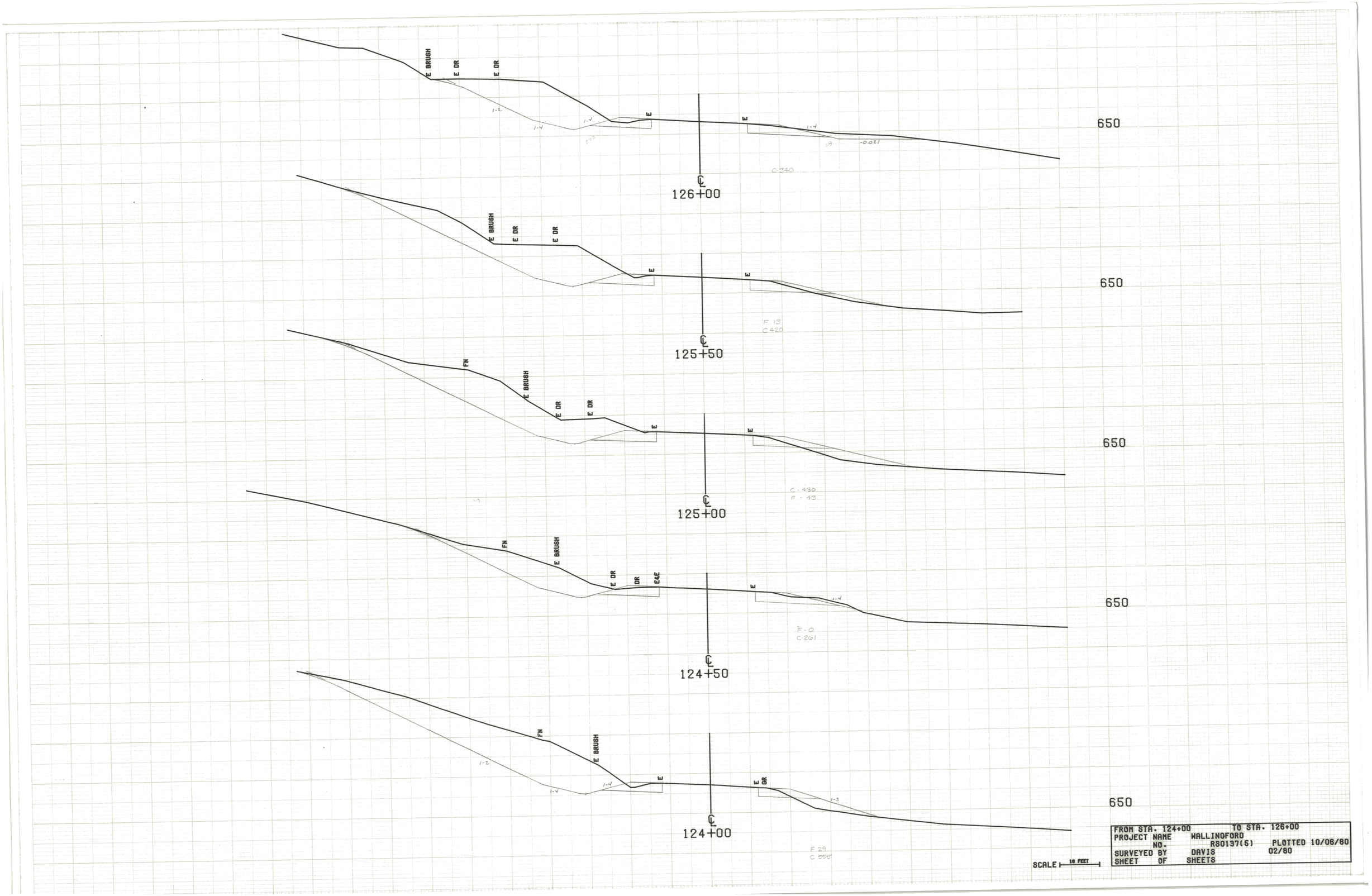
640



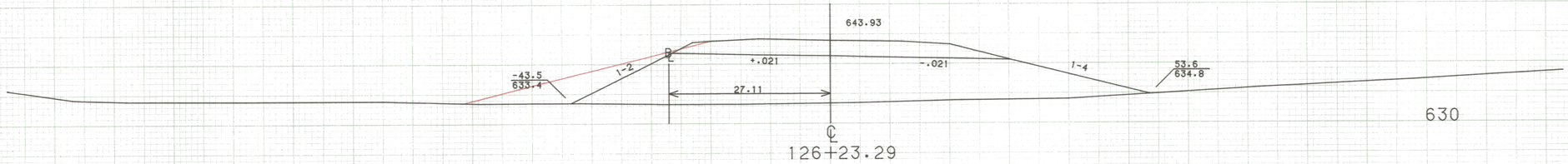
640

FROM STA. 122+25.59		TO STA. 123+72.21	
PROJECT NAME	WALLINGFORD		
NO.	RS0137(5)	PLOTTED	11/13/85
SURVEYED BY	FANTONI		MAY - 85
SHEET OF SHEETS			

SCALE 10 FEET

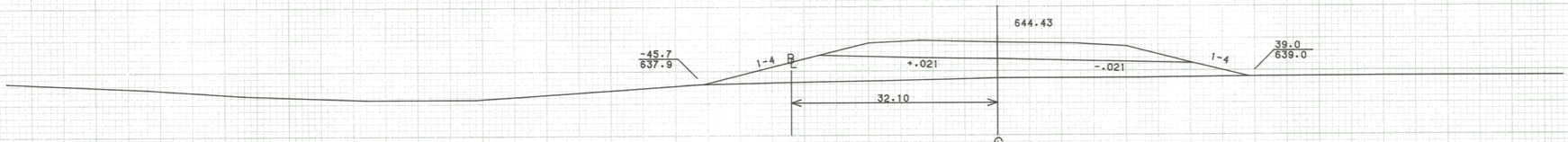


FROM STA. 124+00 TO STA. 126+00
PROJECT NAME WALLINGFORD
NO. RS0137(5) PLOTTED 10/06/80
SURVEYED BY DAVIS 02/80
SHEET OF SHEETS



630

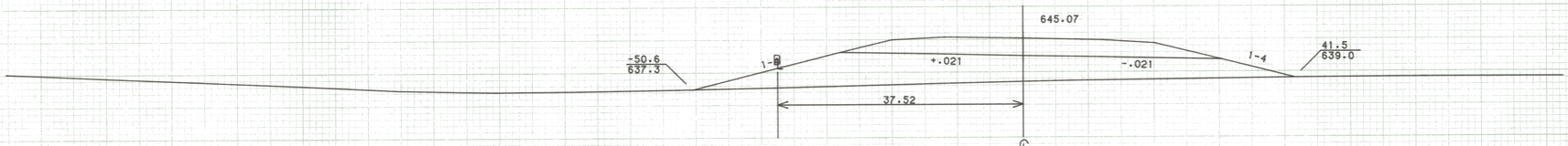
℄
126+23.29



640

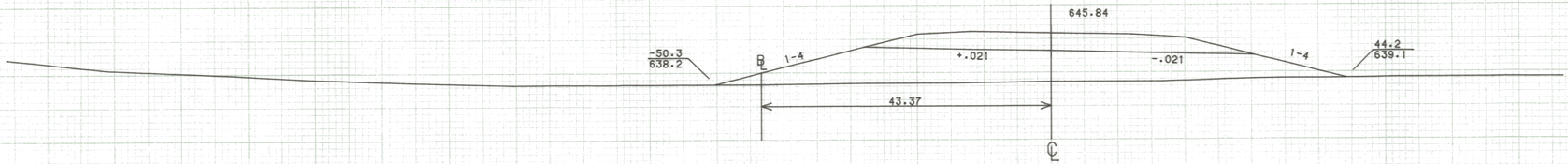
126+00

℄
125+73.04



640

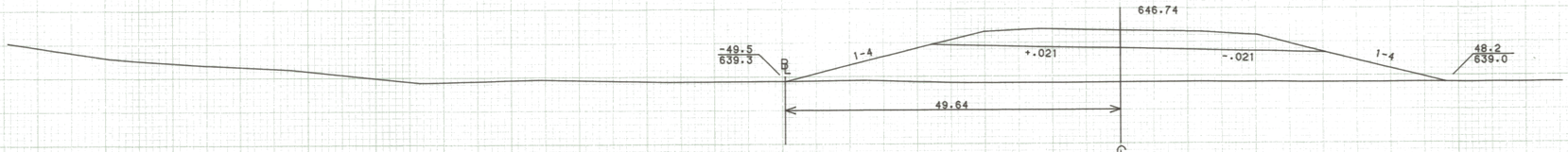
℄
125+22.74



640

125+00

℄
124+72.40



640

℄
124+22.01

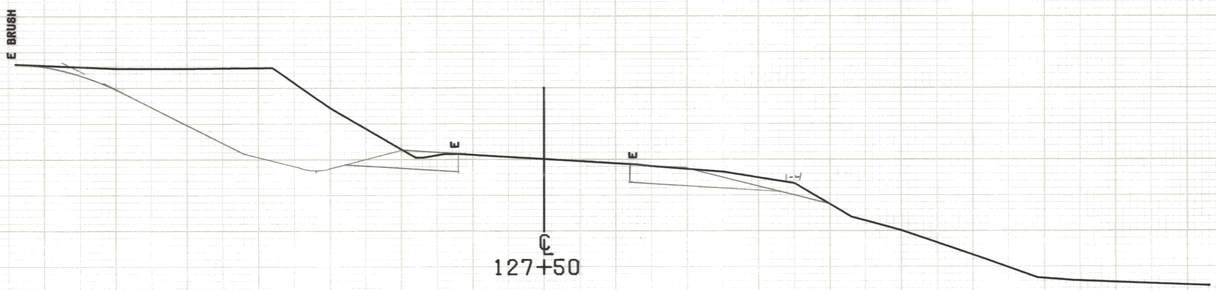
SCALE 10 FEET

FROM STA. 124+22.01		TO STA. 126+23.29	
PROJECT NAME	WALLINGFORD		
NO.	RS0137(5)		PLOTTED 11/13/85
SURVEYED BY	FANTONI		MAY - 85
SHEET OF	SHEETS		



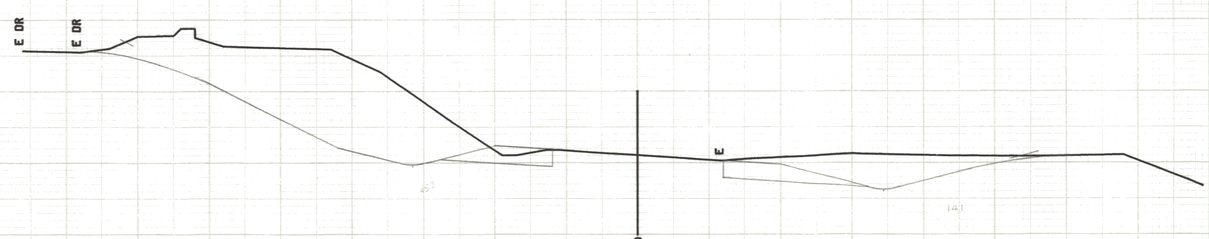
640

℄
128+00



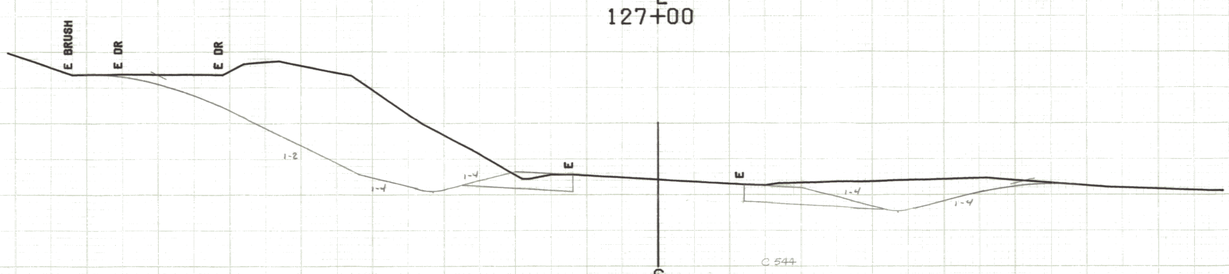
650

℄
127+50



650

℄
127+00

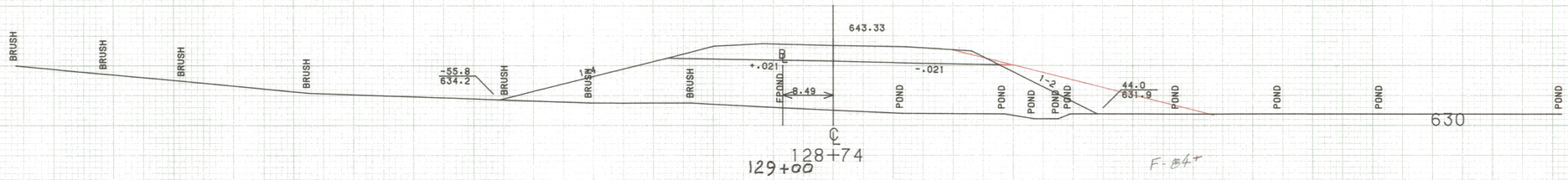


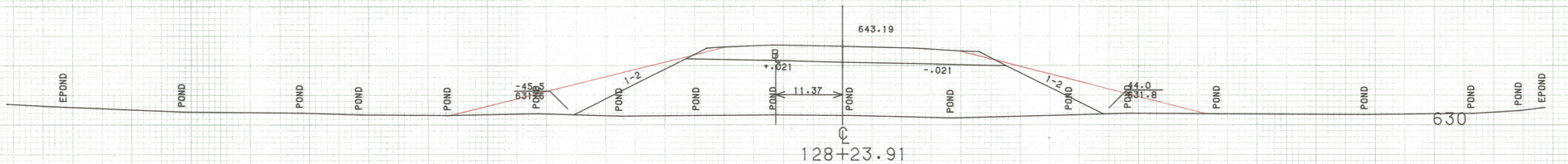
650

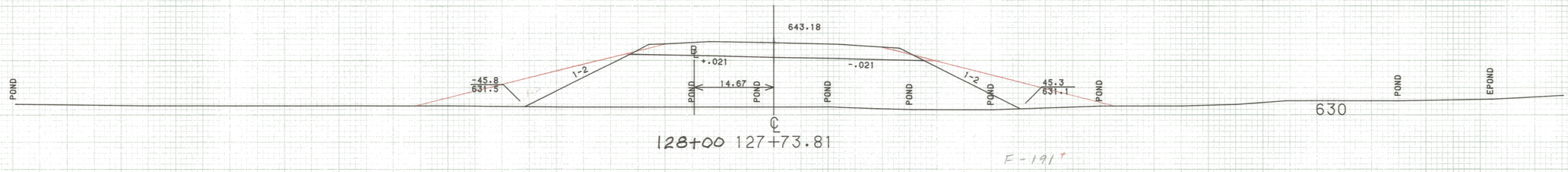
℄
126+50

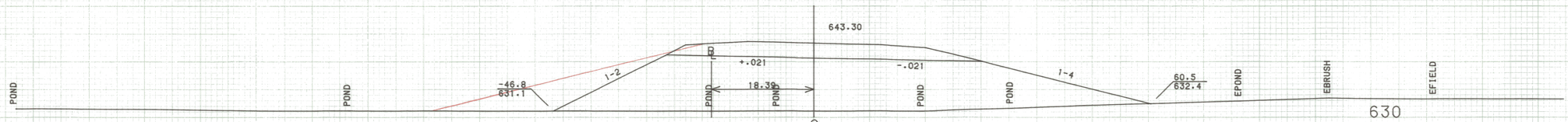
SCALE 10 FEET

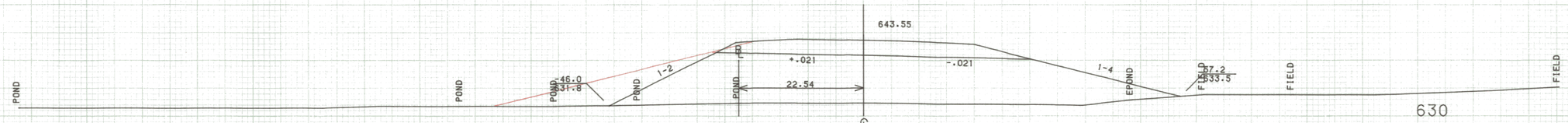
FROM STA. 126+50	TO STA. 128+00
PROJECT NAME	WALLINGFORD
NO.	RS0137(5) PLOTTED 10/06/80
SURVEYED BY	DAVIS 02/80
SHEET OF	SHEETS





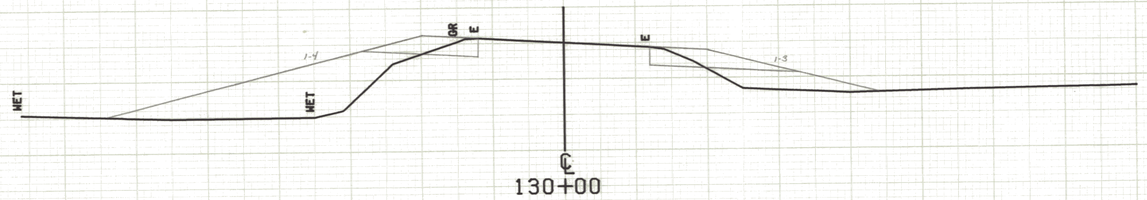






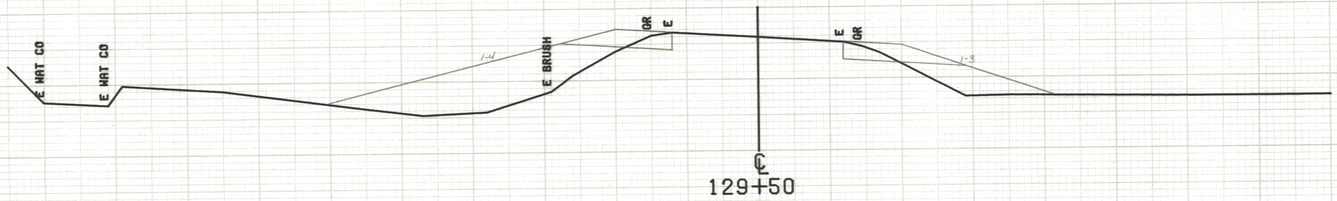
FROM STA. 126+73.49		TO STA. 128+74	
PROJECT NAME	WALLINGFORD		
NO.	RS0137(5)	PLOTTED	11/13/85
SURVEYED BY	FANTONI		MAY - 85
SHEET OF	SHEETS		

SCALE 10 FEET

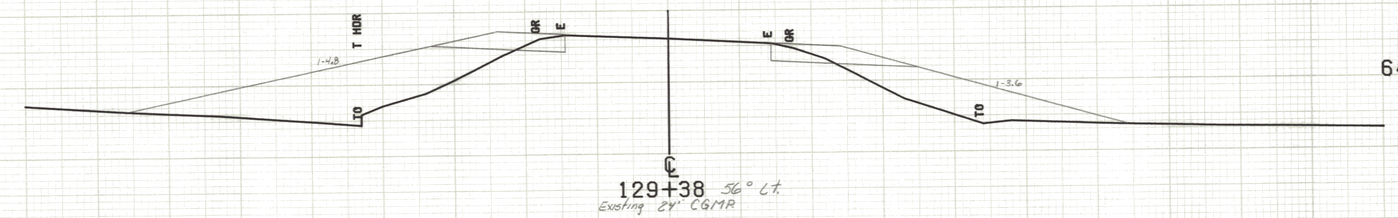


640

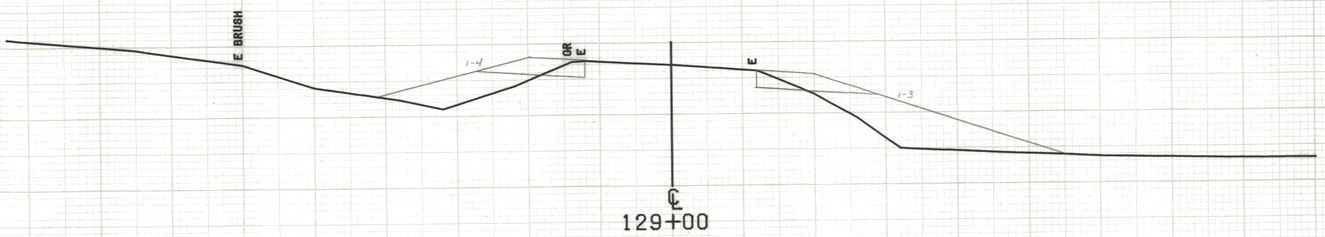
163
152



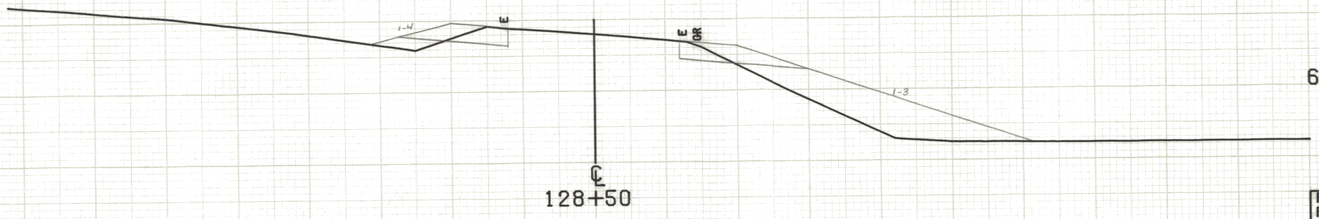
640



640



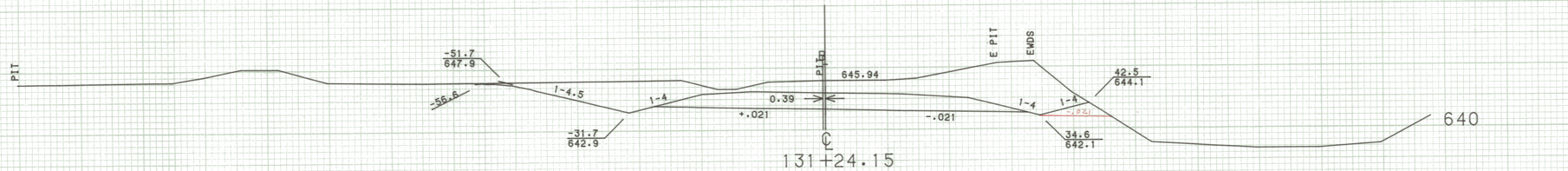
640



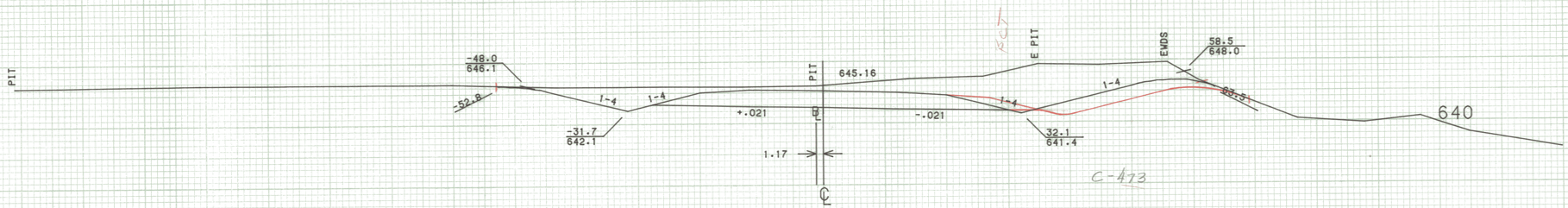
640

SCALE 10 FEET

FROM STA. 128+50		TO STA. 130+00	
PROJECT NAME	WALLINGFORD		
NO.	RS0137(5)	PLOTTED	10/06/80
SURVEYED BY	DAVIS		02/80
SHEET OF	SHEETS		

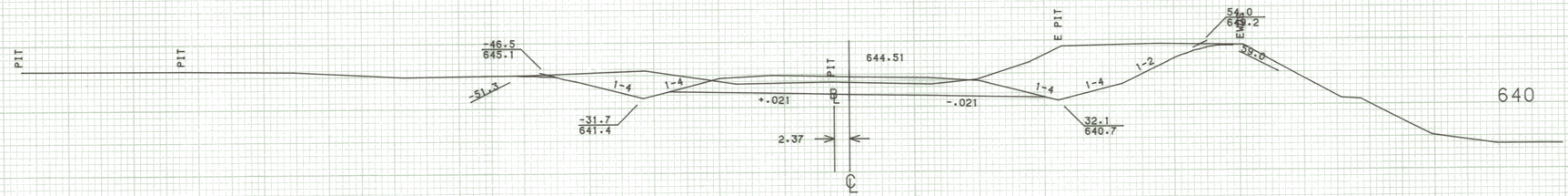


131+24.15

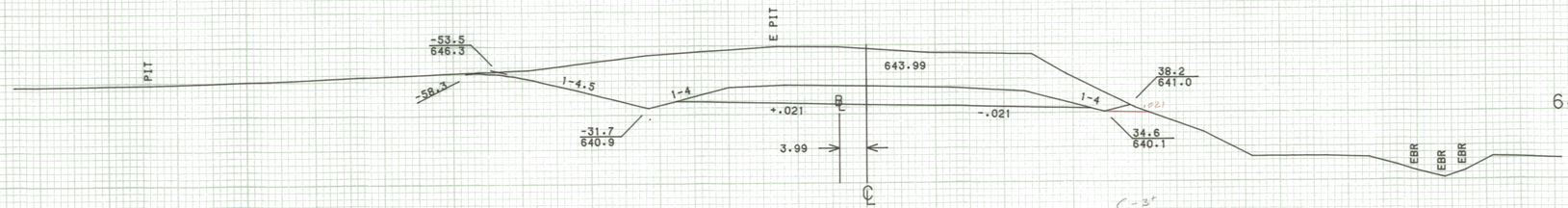


130+74.14

131+00

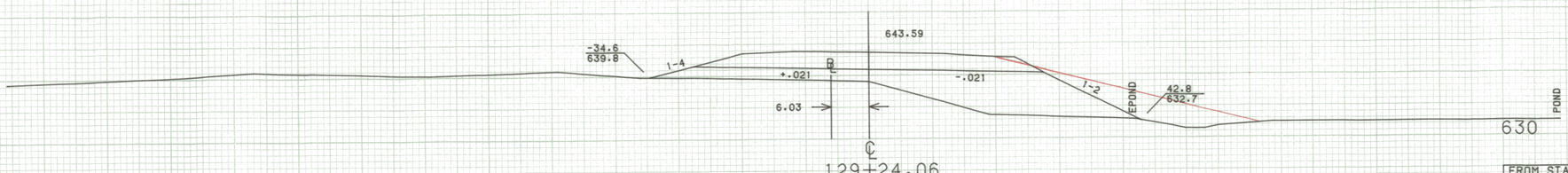


130+24.13



129+74.10

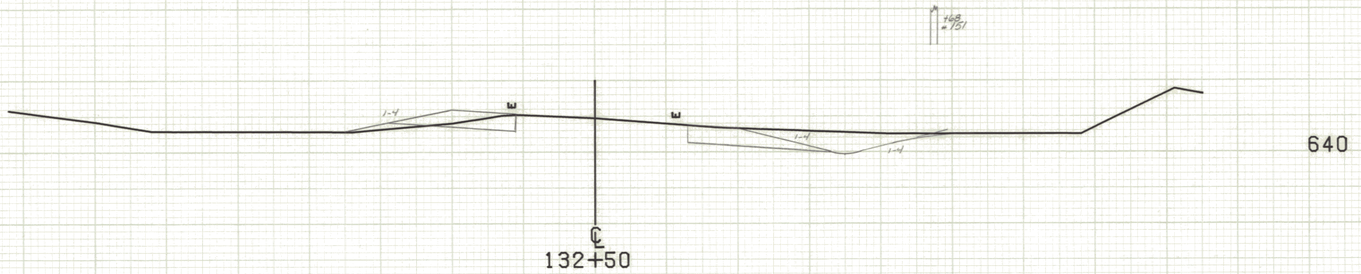
130+00



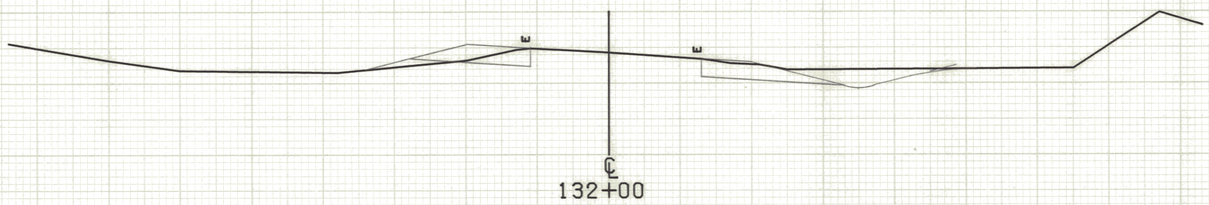
129+24.06

FROM STA. 129+24.06		TO STA. 131+24.15	
PROJECT NAME	WALLINGFORD		
NO.	RS0137(5)	PLOTTED	11/13/85
SURVEYED BY	FANTONI		MAY - 85
SHEET OF	SHEETS		

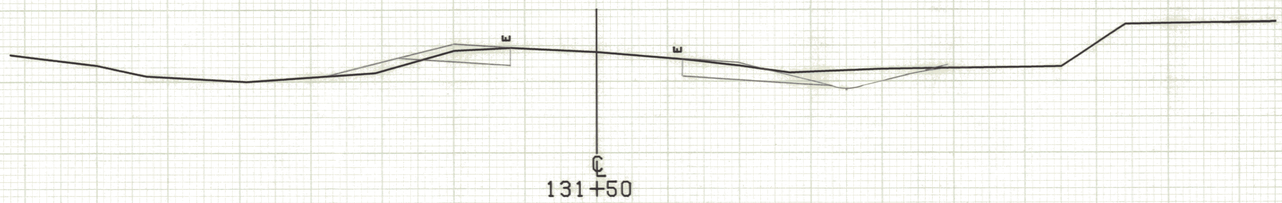
SCALE 10 FEET



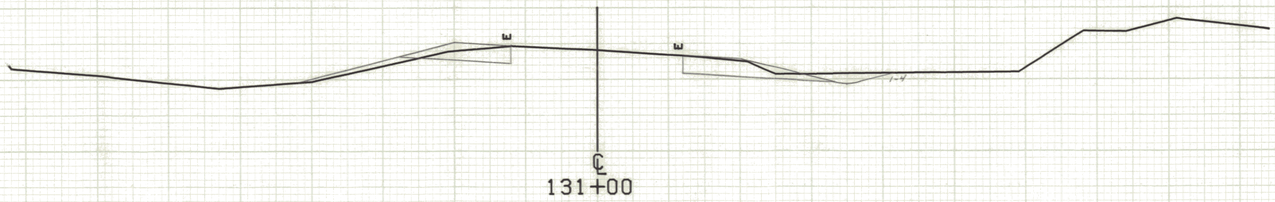
℄
132+50



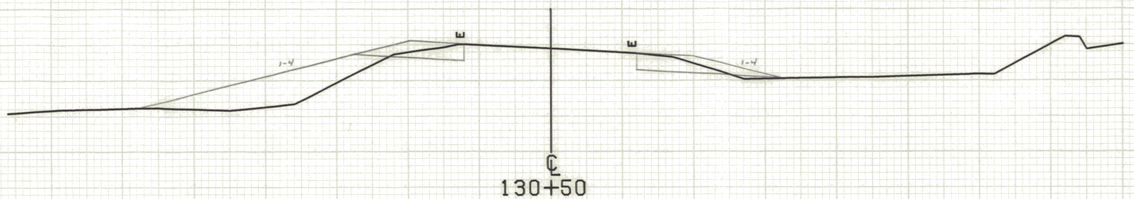
℄
132+00



℄
131+50



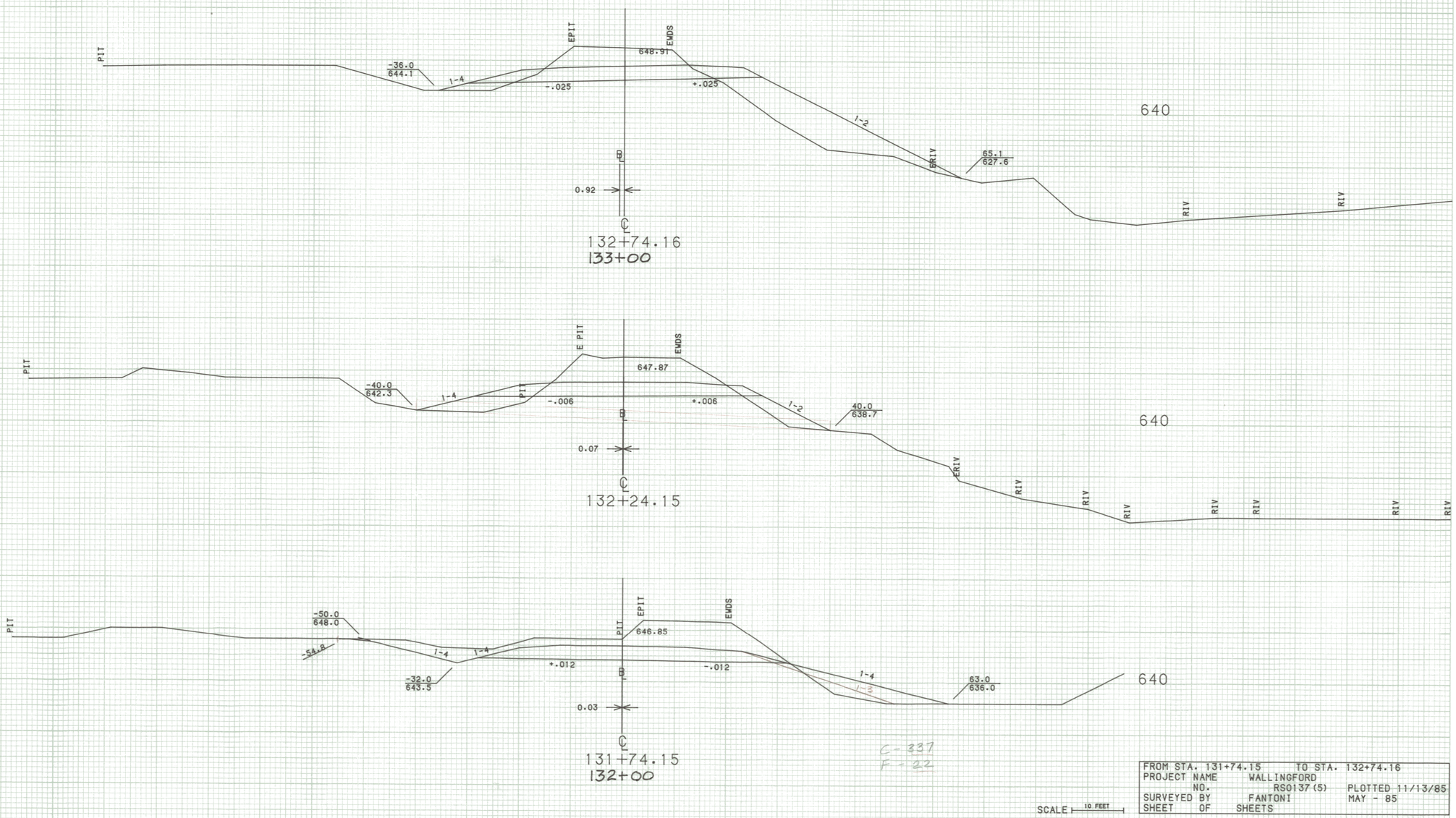
℄
131+00



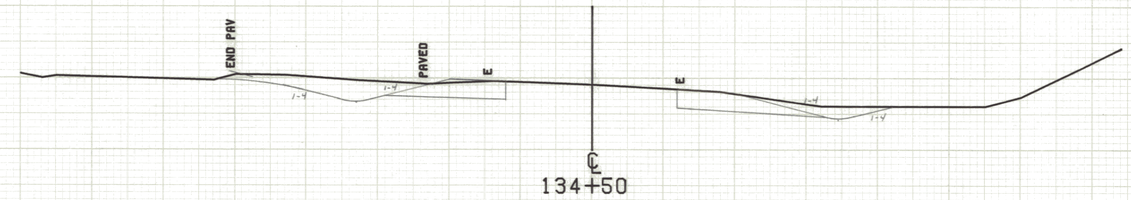
℄
130+50

SCALE 10 FEET

FROM STA. 130+50	TO STA. 132+50
PROJECT NAME	WALLINGFORD
NO.	RS0137(5) PLOTTED 10/06/80
SURVEYED BY	DAVIS 02/80
SHEET OF	SHEETS

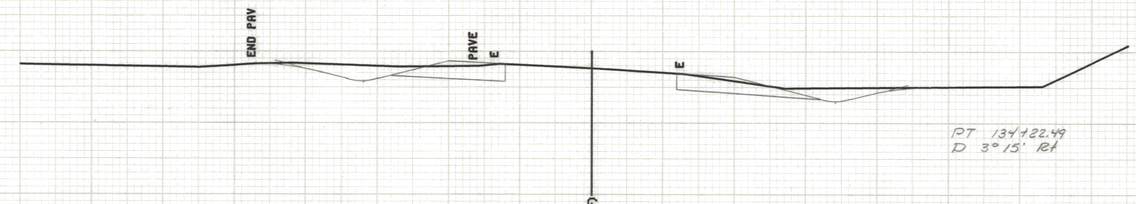


FROM STA. 131+74.15	TO STA. 132+74.16	
PROJECT NAME	WALLINGFORD	
NO.	RS0137(5)	PLOTTED 11/13/85
SURVEYED BY	FANTONI	MAY - 85
SHEET OF	SHEETS	



640

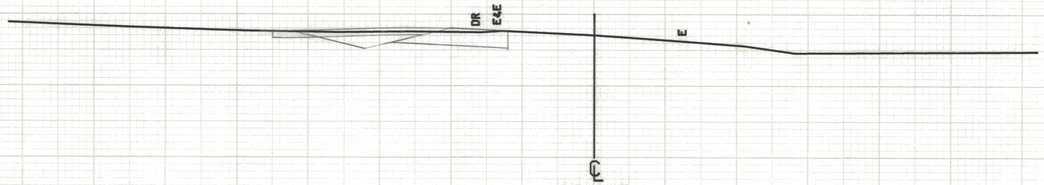
134+50



PT 134+22.49
D 3°15' Rt

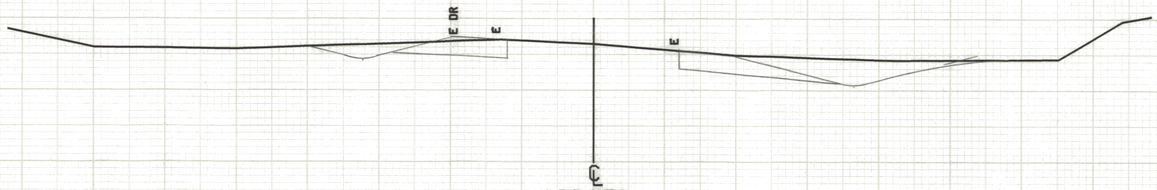
640

134+00



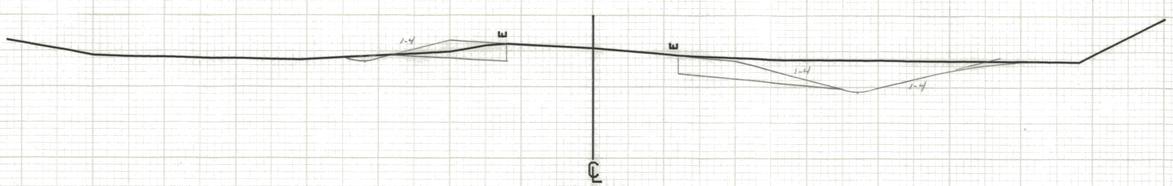
640

133+75
Drive Lt



640

133+50

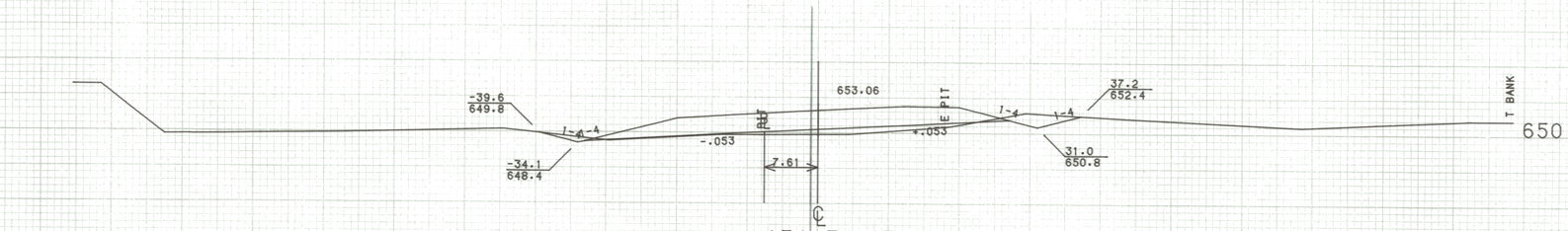


640

133+00

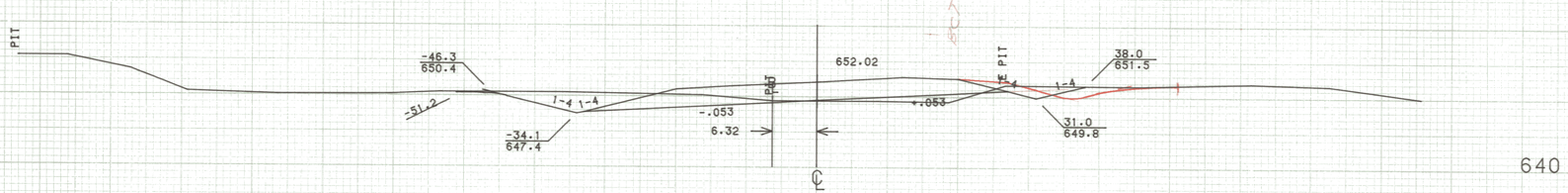
FROM STA. 133+00	TO STA. 134+50
PROJECT NAME	WALLINGFORD
NO.	RS0137(5) PLOTTED 10/06/80
SURVEYED BY	DAVIS 02/80
SHEET OF	SHEETS

SCALE 10 FEET

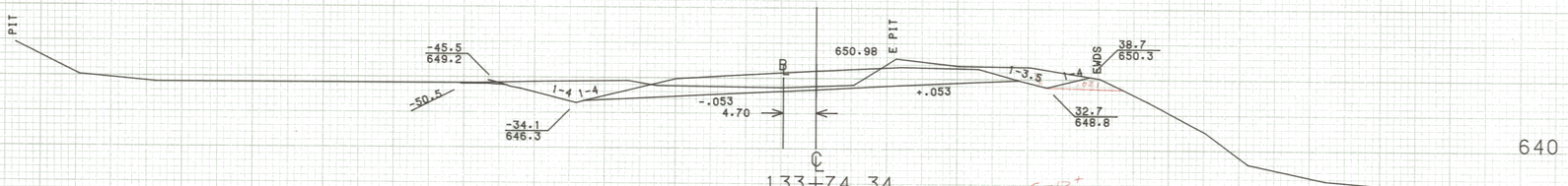


134+74.63

135+00



134+24.48



133+74.34

134+00

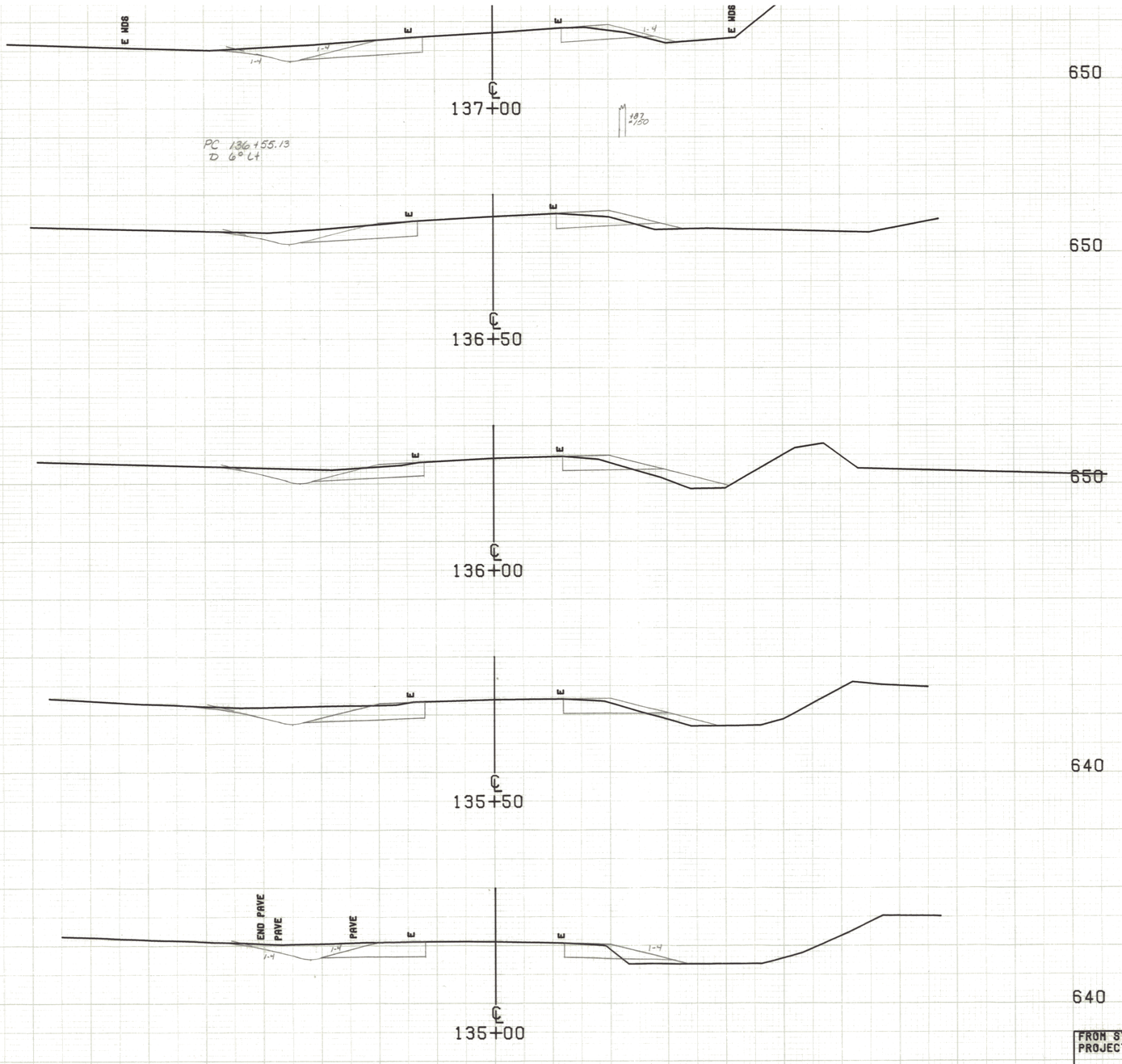
SAME C-12+

133+24.23

FROM STA. 133+24.23 TO STA. 134+74.63

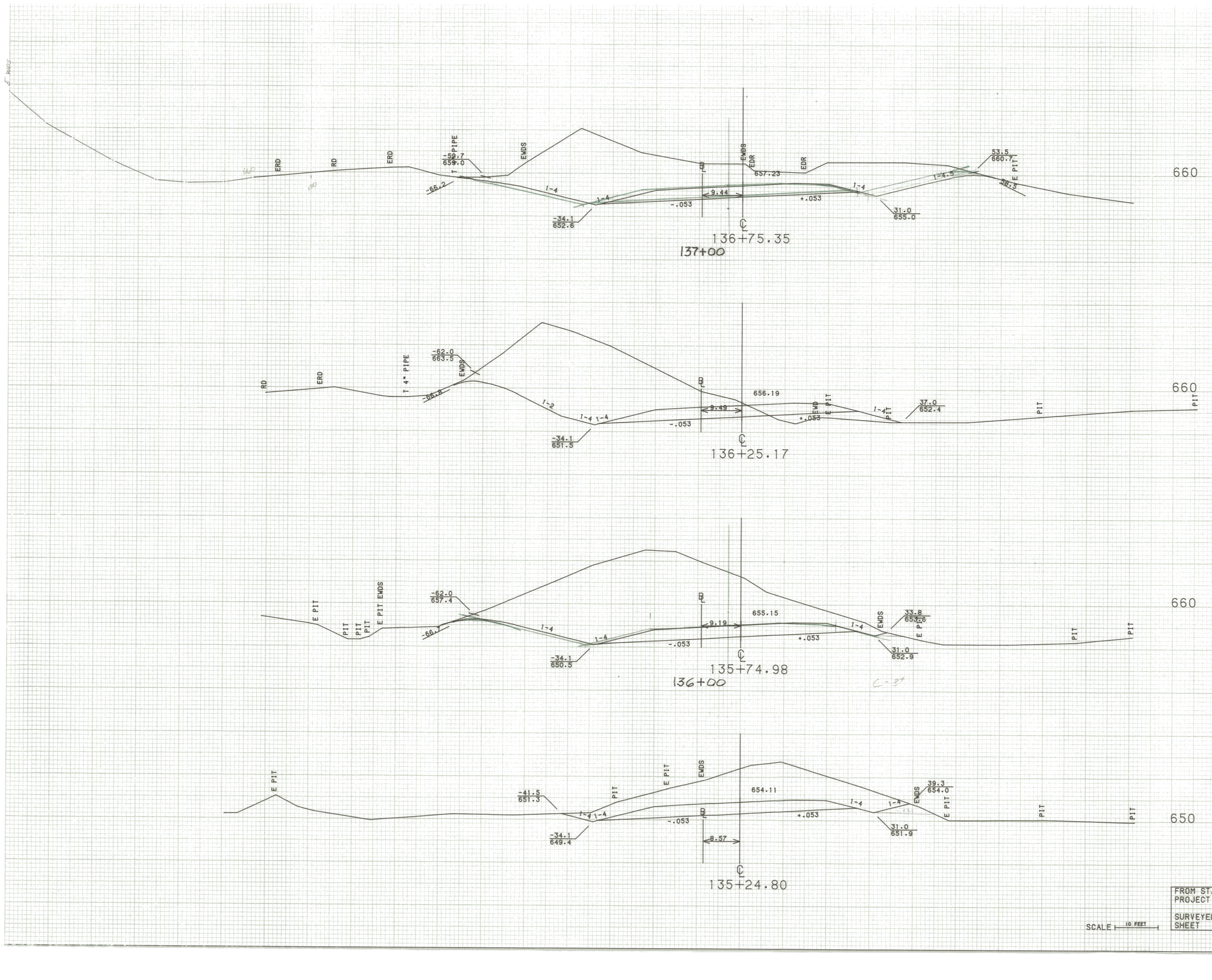
PROJECT NAME	WALLINGFORD	
NO.	RS0137(5)	PLOTTED 11/13/85
SURVEYED BY	FANTONI	MAY - 85
SHEET OF	SHEETS	

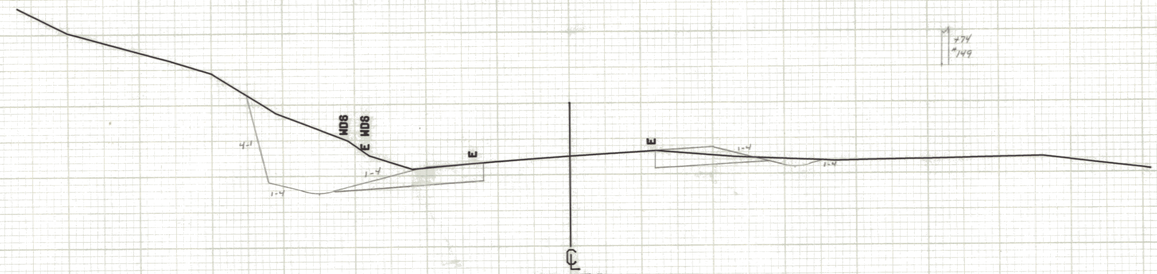
SCALE 10 FEET

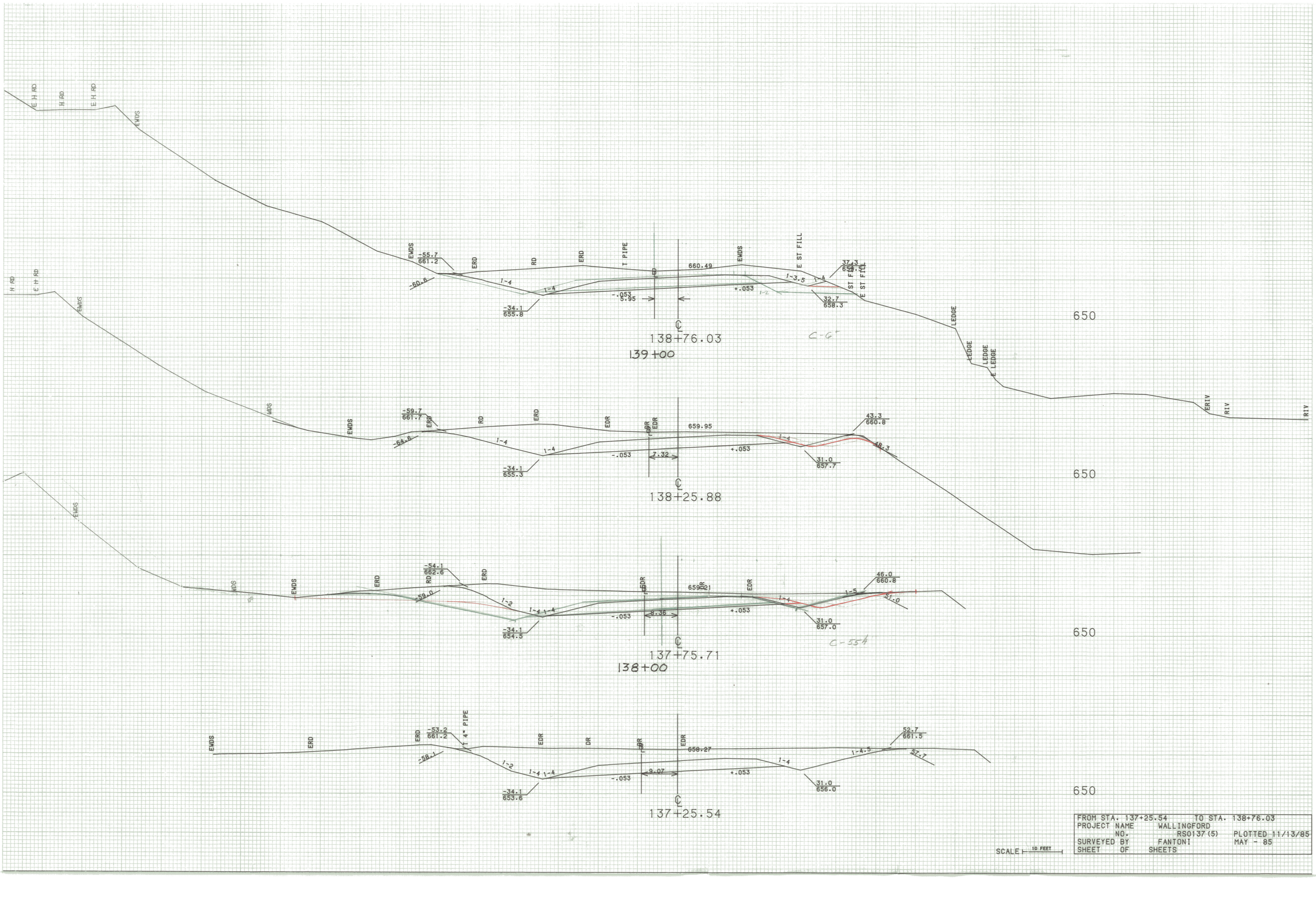


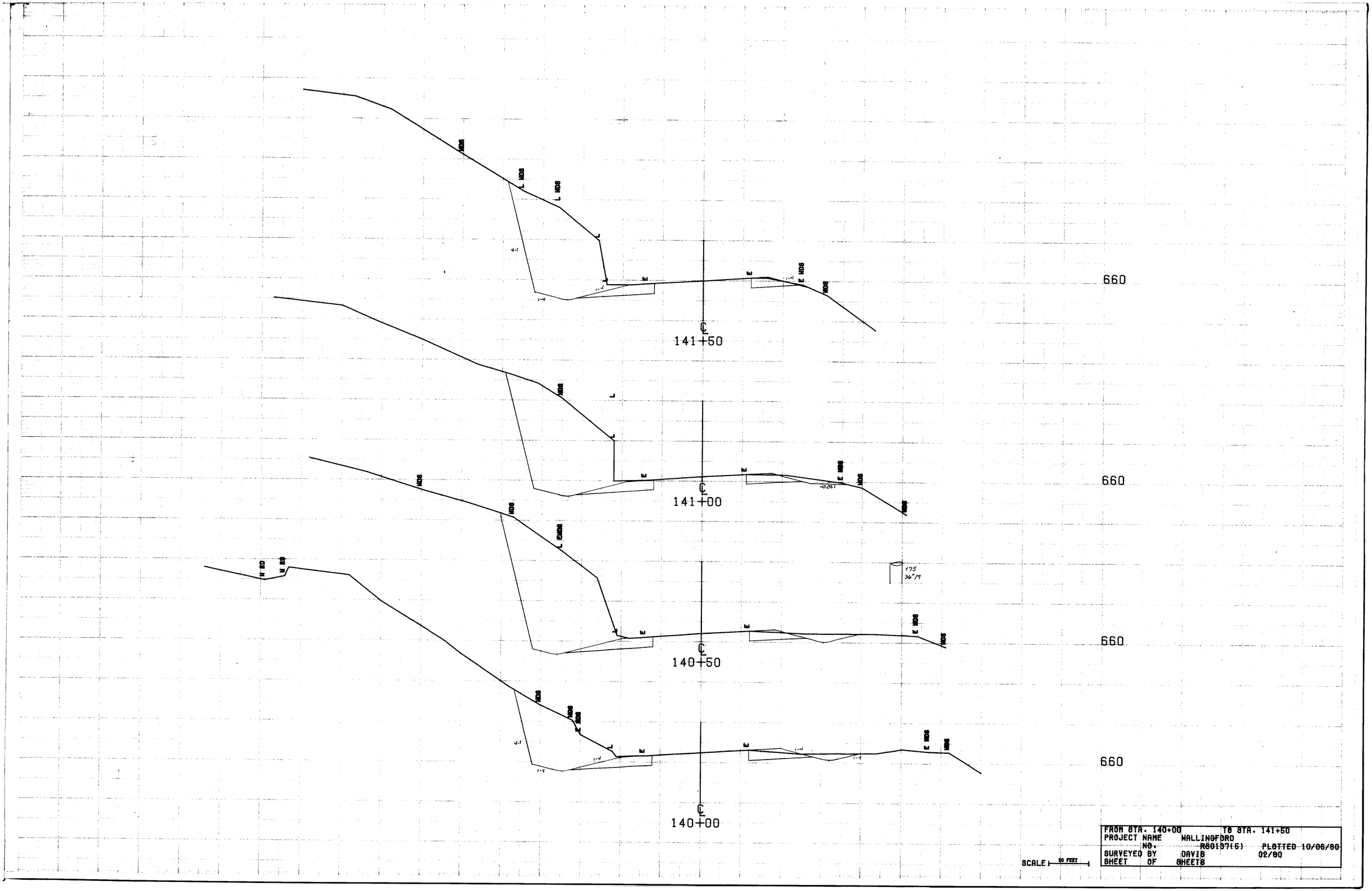
SCALE 10 FEET

FROM STA. 135+00		TO STA. 137+00	
PROJECT NAME	WALLINGFORD		
NO.	RSO137(5)		PLOTTED 10/06/80
SURVEYED BY	DAVIS		02/80
SHEET OF	SHEETS		


660
ERD
RD
ERD
T 4" PIPE
-59.7
659.0
-66.2
EWDS
1~4
1~4
-34.1
652.6
RD
9.44
-.053
EWDS
EDR
657.23
+.053
EDR
1~4
1~4.5
53.5
660.7
E PIT
38.5
31.0
655.0
136+75.35
137+00
660
RD
ERD
T 4" PIPE
-62.0
663.5
EWDS
-66.6
1~2
1~4 1~4
-34.1
651.5
RD
9.49
-.053
656.19
EWD
E PIT
+.053
1~4
PIT
37.0
652.4
PIT
PIT
136+25.17
660
E PIT
PIT
PIT
E PIT EWDS
-62.0
657.4
-66.7
1~4
1~4
-34.1
650.5
RD
9.19
-.053
655.15
EWDS
1~4
+.053
33.8
653.6
E PIT
31.0
652.9
PIT
PIT
135+74.98
136+00
660
E PIT
-41.5
651.3
1~4 1~4
-34.1
649.4
PIT
E PIT
EWDS
RD
8.57
-.053
654.11
1~4
+.053
1~4
39.3
654.0
EWDS
E PIT
31.0
651.9
PIT
PIT
135+24.80
650
SCALE 10 FEET
FROM STA. 135
PROJECT NAME
NO.
SURVEYED BY
SHEET OF

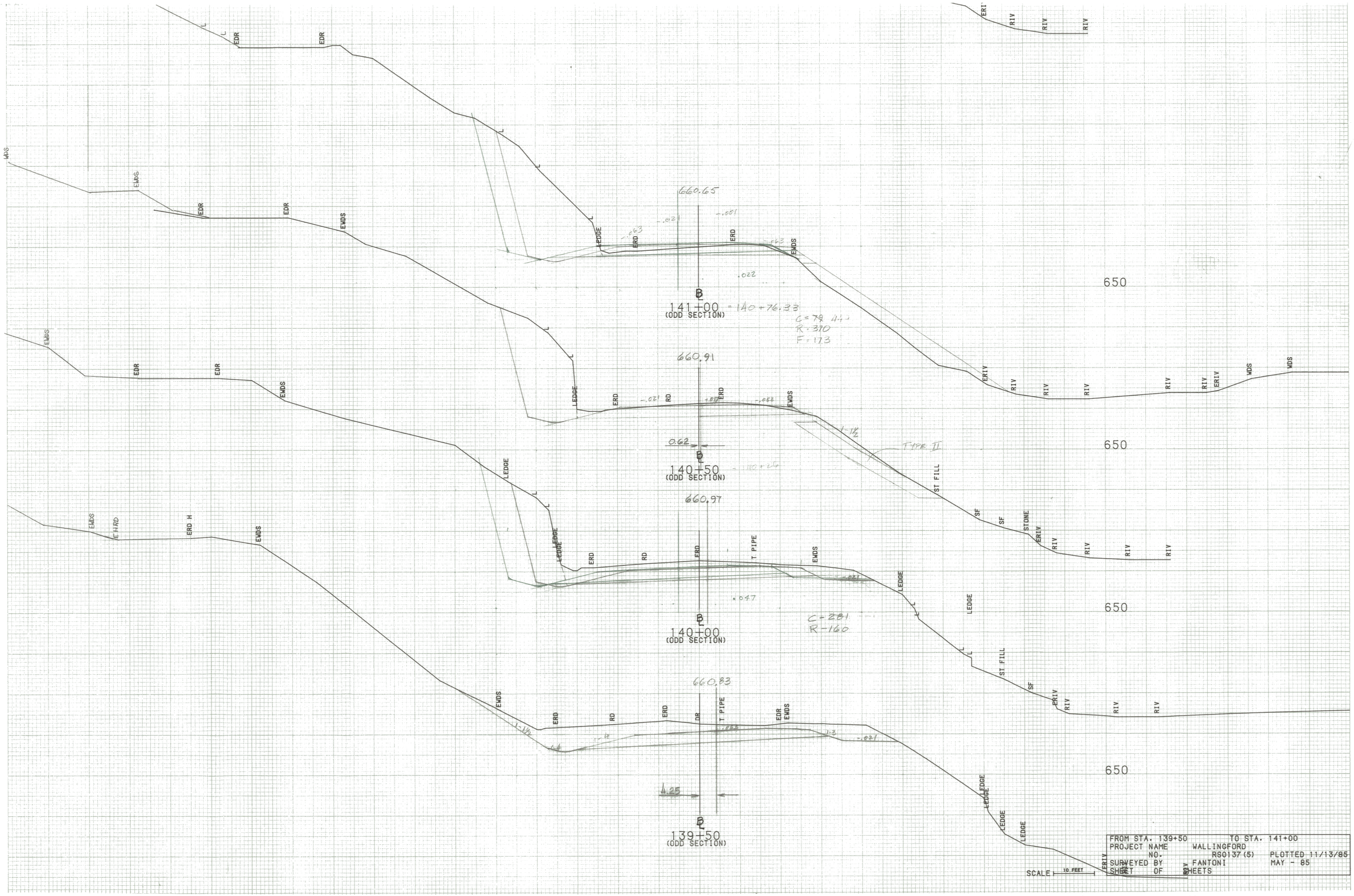

SDM
3
3
1:4
1:4
1:4

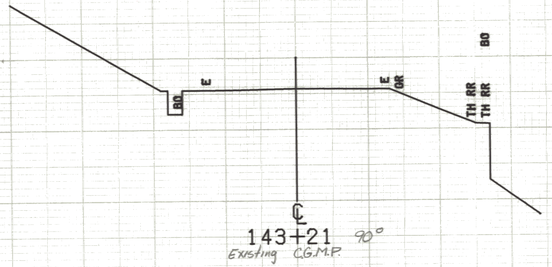

E H RD
H RD
E H RD
EWDS
EWDS
-55.7
661.2
-60.6
ERD
RD
ERD
T PIPE
RD
660.49
EWDS
E ST FILL
37.3
658.3
E ST FILL
1-4
1-4
1-4
1-3.5
1-4
-.053
3.95
+.053
32.7
658.3
-34.1
655.8
℄
138+76.03
139+00
650
LEDGE
LEDGE
LEDGE
E LEDGE
RIV
RIV
RIV
EWDS
EWDS
-59.7
661.7
-64.6
ERD
RD
ERD
EDR
EDR
EDR
659.95
43.3
660.8
1-4
1-4
1-4
-.053
7.32
+.053
48.3
31.0
657.7
-34.1
655.3
℄
138+25.88
650
EWDS
EWDS
EWDS
-54.1
662.6
-59.0
ERD
RD
ERD
EDR
EDR
DR
659.21
EDR
46.0
660.8
1-2
1-4 1-4
1-5
51.0
-.053
8.36
+.053
1-4
31.0
657.0
-34.1
654.5
℄
137+75.71
138+00
650
EWDS
ERD
ERD
-53.2
661.2
-58.1
4" PIPE
EDR
DR
EDR
EDR
650.27
52.7
661.5
1-2
1-4 1-4
1-4.5
52.7
-.053
9.07
+.053
1-4
31.0
656.0
-34.1
653.6
℄
137+25.54
650
SCALE 10 FEET
FROM STA. 137+25.54 TO STA. 138+76.03
PROJECT NAME WALLINGFORD
NO. RS0137(5) PLOTTED 11/13/85
SURVEYED BY FANTONI MAY - 85
SHEET OF SHEETS



FROM STA. 140+00	TO STA. 141+50
PROJECT NAME	WALLINGFORD
NO.	R80137(5) PLOTTED 10/06/80
SURVEYED BY	DAVIS 02/80
SHEET OF	SHEETS

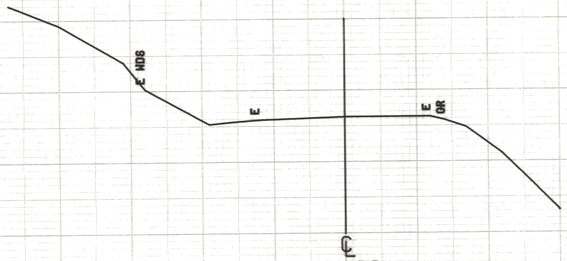
SCALE 10 FEET


660.65
141+00
(ODD SECTION)
= 140+76.33
C=78.47
R=310
F=173
660.91
140+50
(ODD SECTION)
660.97
140+00
(ODD SECTION)
C-281
R-160
660.83
139+50
(ODD SECTION)
650
650
650
650
EDR
EWDS
EDGE
ERD
RD
RIV
ERIV
ST FILL
SF
STONE
T PIPE
TYPE II
FROM STA. 139+50 TO STA. 141+00
PROJECT NAME WALLINGFORD
NO. RS0137(5) PLOTTED 11/13/85
SURVEYED BY FANTONI MAY - 85
SHEET OF SHEETS
SCALE 10 FEET



143+21 90°
Existing C.G.M.P.

650

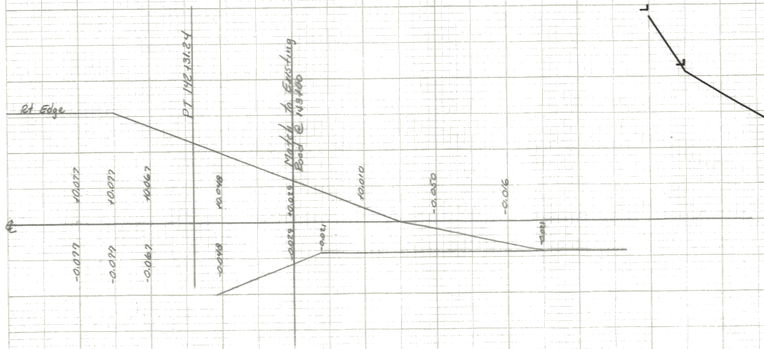


143+00

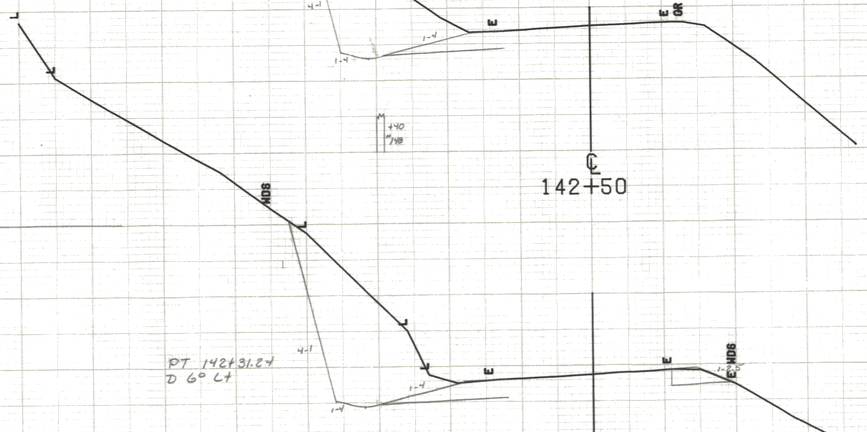
650

142+50

650



Banking
Scale
Horiz
Vert



PT 142+31.84
D 69° Lt

142+00

650

FROM STA. 142+00	TO STA. 143+21
PROJECT NAME WALLINGFORD	
NO. RS0137(5)	PLOTTED 10/06/80
SURVEYED BY DAVIS	02/80
SHEET OF SHEETS	

SCALE 10 FEET

E H RD

L-E H RD

L-EWDS

L-CHAIN FN

L-EDGE

658.95

EWDS

ERD

ERD COR

T PIPE-WDS

650

143+00
(ODD SECTION)

E-54 2c1
R-147
F-548

WDS-L

EWDS-L

E H RD

E H RD

EWDS

659.75

ERD COR

T PIPE-WDS

ERIV

RIV

650

142+50
(ODD SECTION)

EDR

EDR

660.35

ERD

PIPE-WDS

650

142+00
(ODD SECTION)

EDGE

ERD

ERD

EWDS

650

141+06.26
(ODD SECTION)

FROM STA. 141+06.26	TO STA. 143+00	
PROJECT NAME	WALLINGFORD	
NO.	RS0137(5)	PLOTTED 11/13/85
SURVEYED BY	FANTONI	MAY - 85
SHEET OF	SHEETS	

SCALE 10 FEET

650

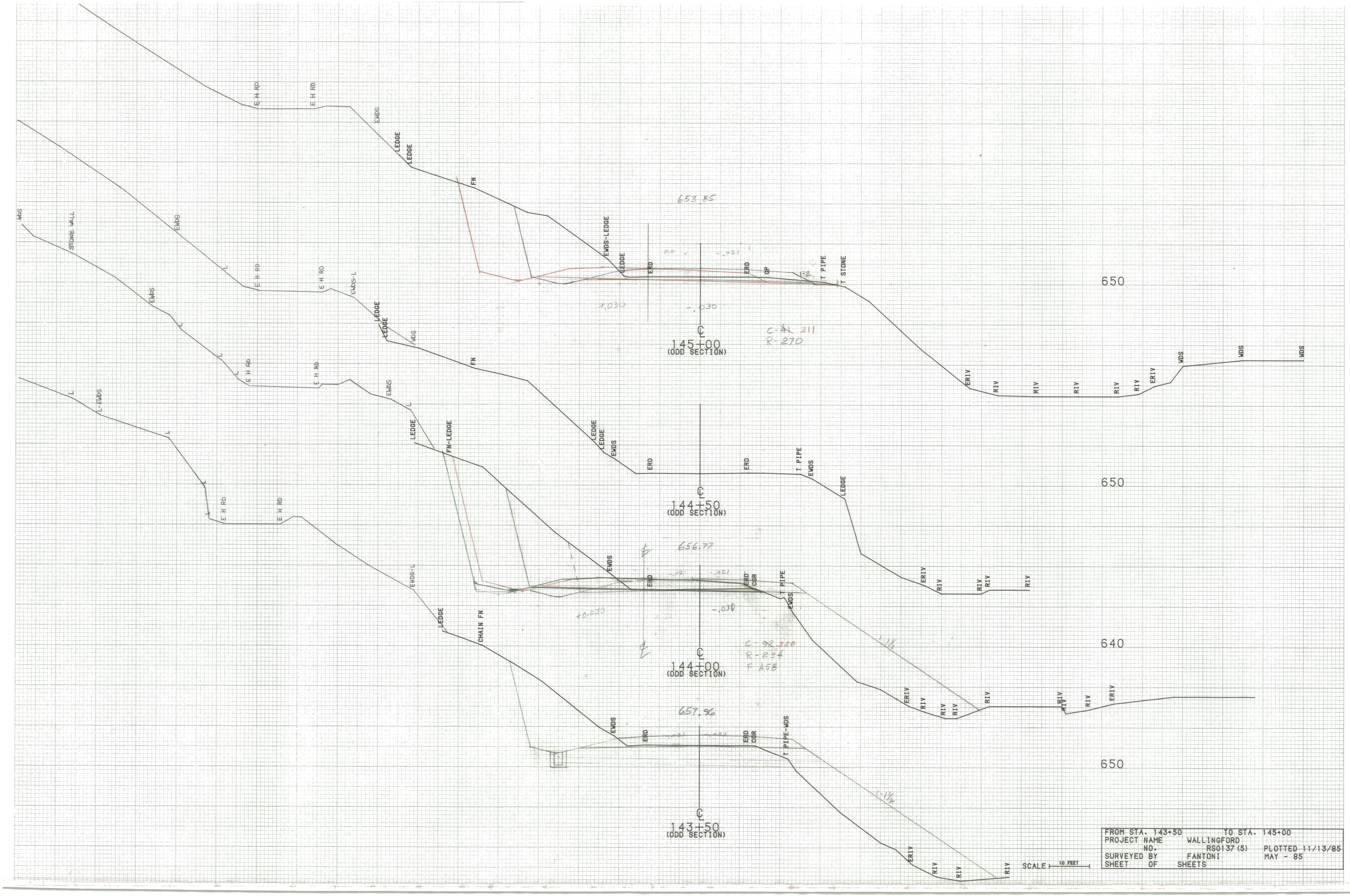
℄
144+00

650

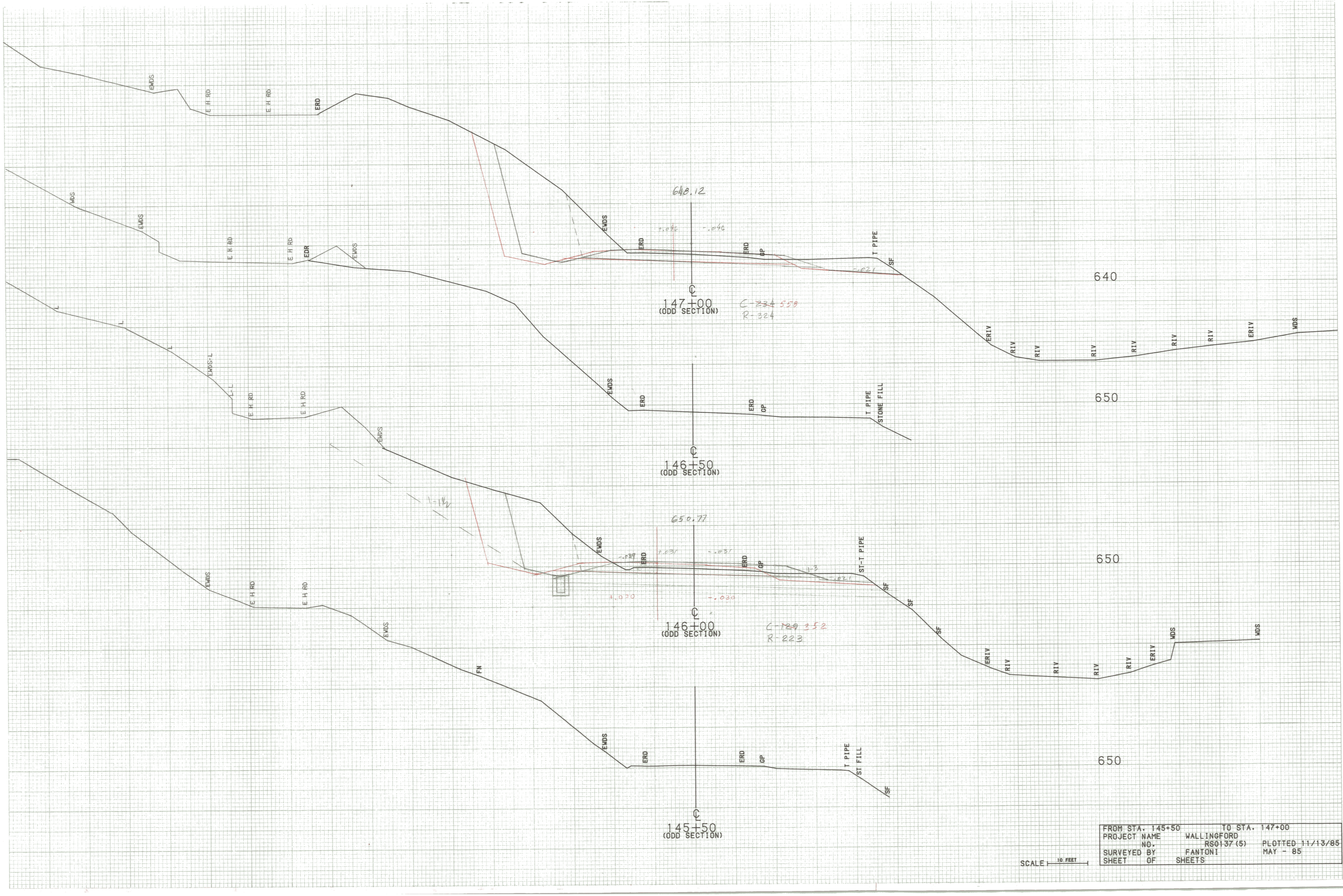
℄
143+50

FROM STA. 143+50 TO STA. 144+00
PROJECT NAME WALLINGFORD
NO. RS0137(5) PLOTTED 10/06/80
SURVEYED BY DAVIS 02/80
SHEET OF SHEETS

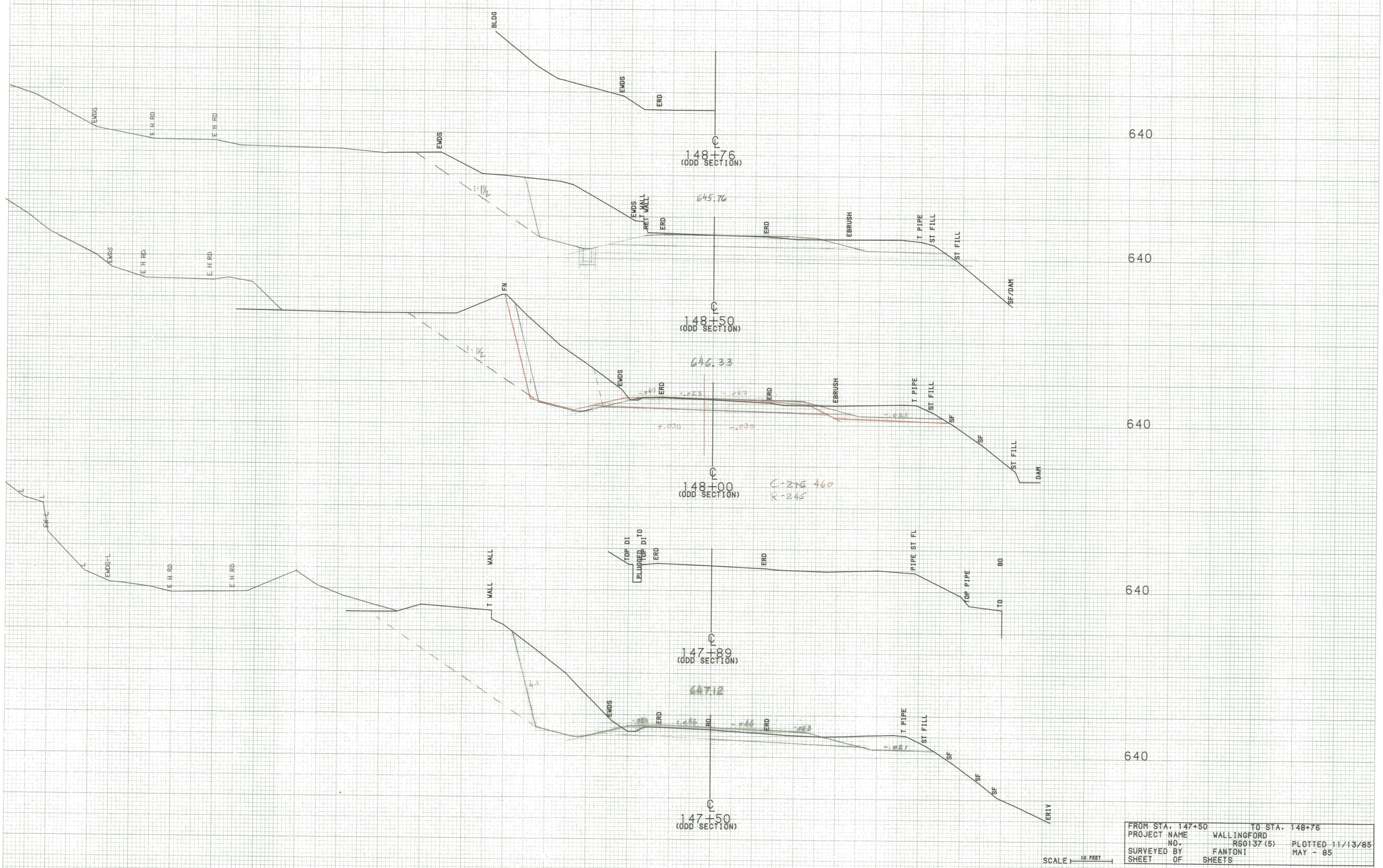
SCALE 10 FEET



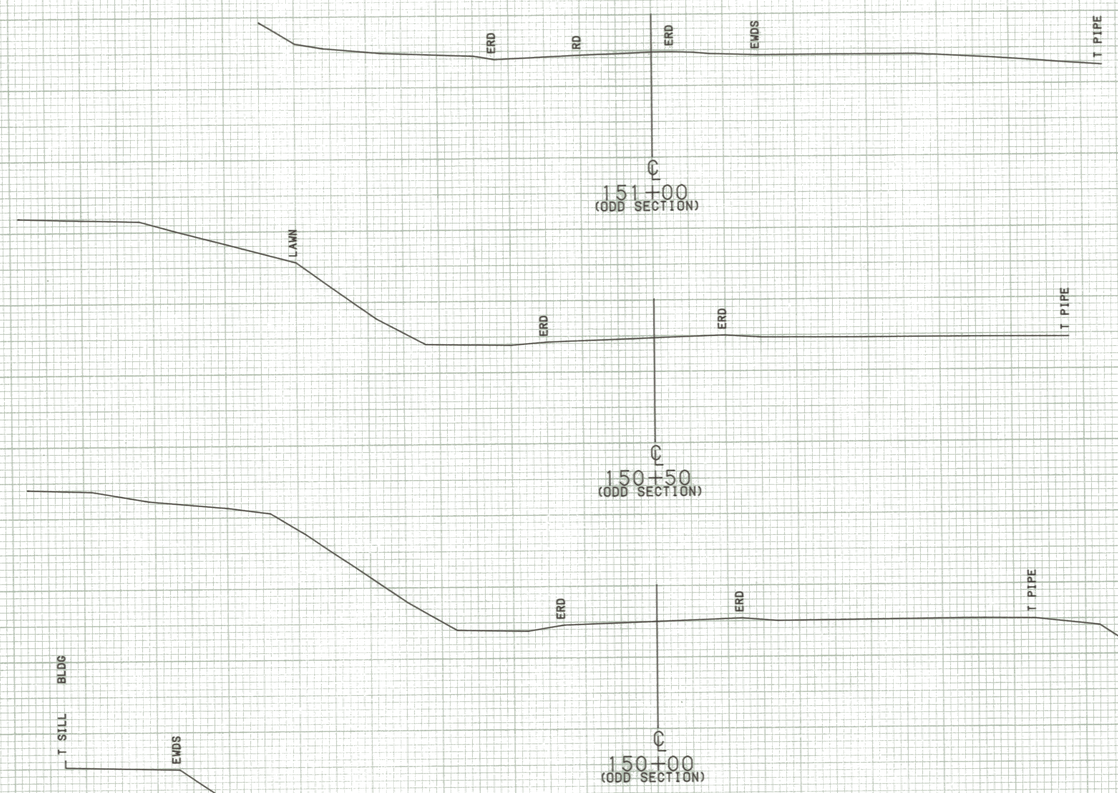
FROM STA. 143+50 TO STA. 145+00
PROJECT NAME WALLINGFORD
NO. RS0137(5) PLOTTED 11/13/85
SURVEYED BY FANTONI MAY - 85
SHEET OF SHEETS



FROM STA. 145+50	TO STA. 147+00	
PROJECT NAME	WALLINGFORD	
NO.	RS0137(5)	PLOTTED 11/13/85
SURVEYED BY	FANTONI	MAY - 85
SHEET OF	SHEETS	

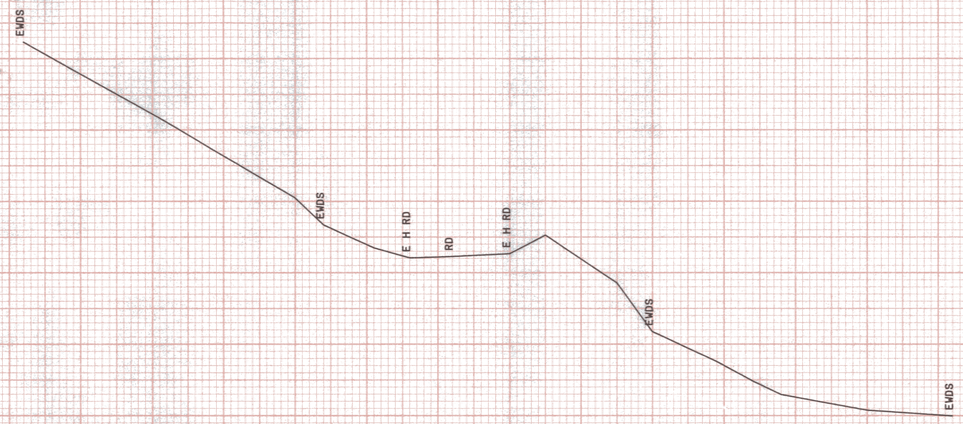


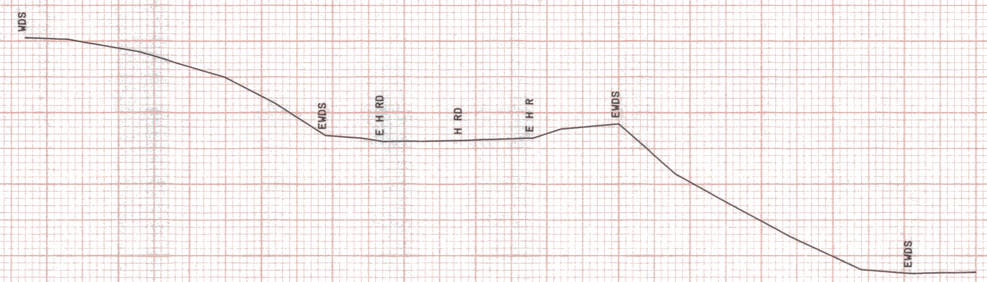
FROM STA. 147+50	TO STA. 148+76	
PROJECT NAME	WALLINGFORD	
NO.	RS0137(5)	PLOTTED 11/13/85
SURVEYED BY	FANTONI	MAY - 85
SHEET OF	SHEETS	



SCALE 10 FEET

FROM STA. 149+00		TO STA. 151+00	
PROJECT NAME	WALLINGFORD		
NO.	RS0137(5)	PLOTTED	11/13/85
SURVEYED BY	FANTONI		MAY - 85
SHEET OF	SHEETS		





650

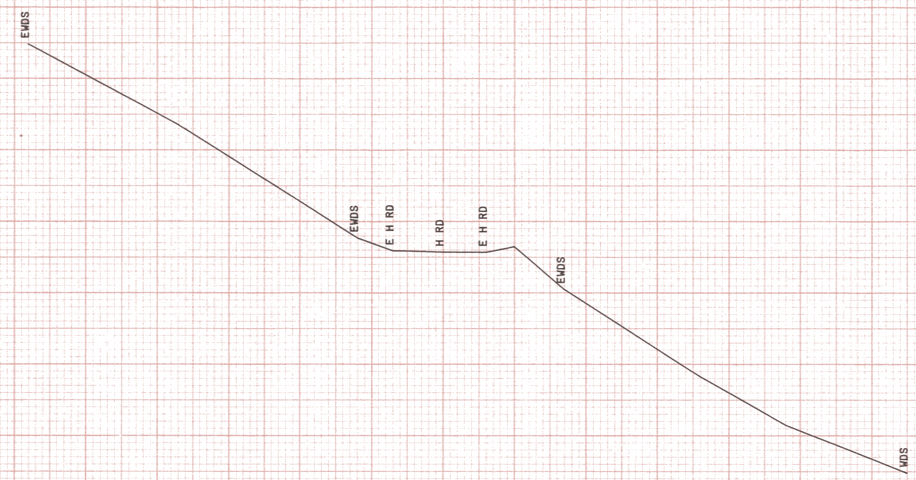
℄
137+50

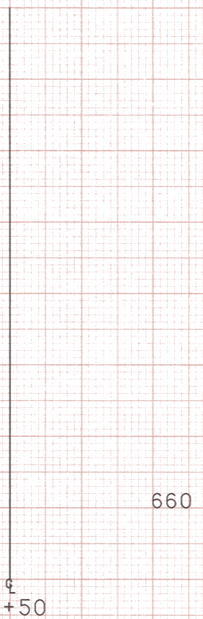
650

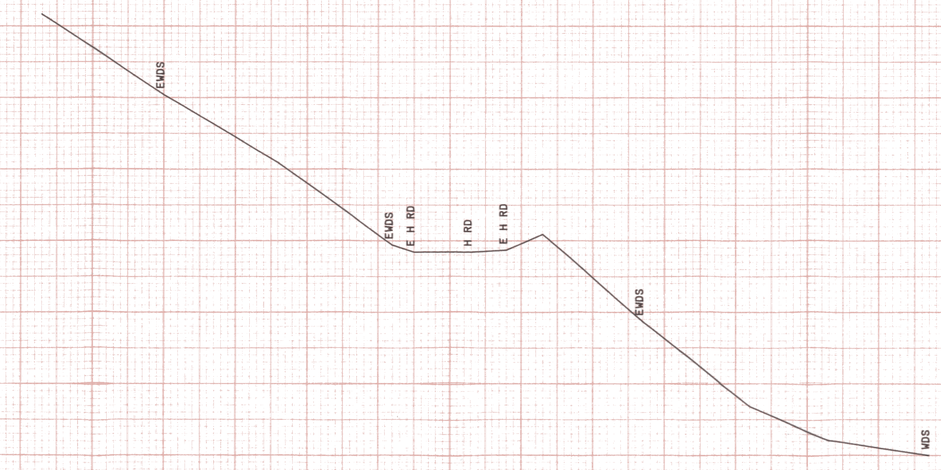
℄
137+00

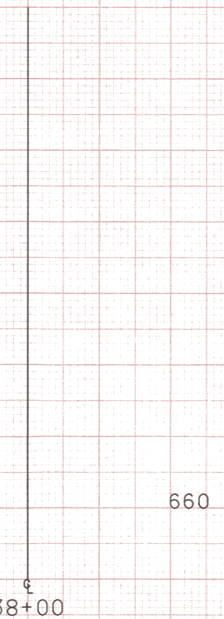
FROM STA.	137+00	TO STA.	137+50
PROJECT NAME	WALLINGFORD	EXT	
NO.	RSO137(5)	PLOTTED	05/14/86
SURVEYED BY	GILMAN	APRIL 1986	
SHEET	OF	SHEETS	

SCALE 10 FEET



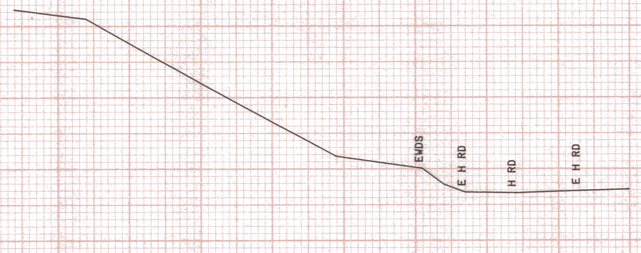


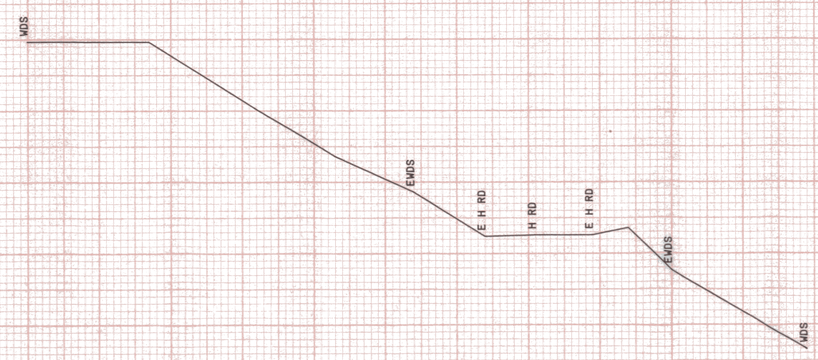




SCALE 10 FEET

FROM STA.	138+00	TO STA.	138+50
PROJECT NAME	WALLINGFORD	EXT	
NO.	RS0137(5)	PLOTTED	05/14/86
SURVEYED BY	GILMAN	APRIL	1986
SHEET OF SHEETS			





700

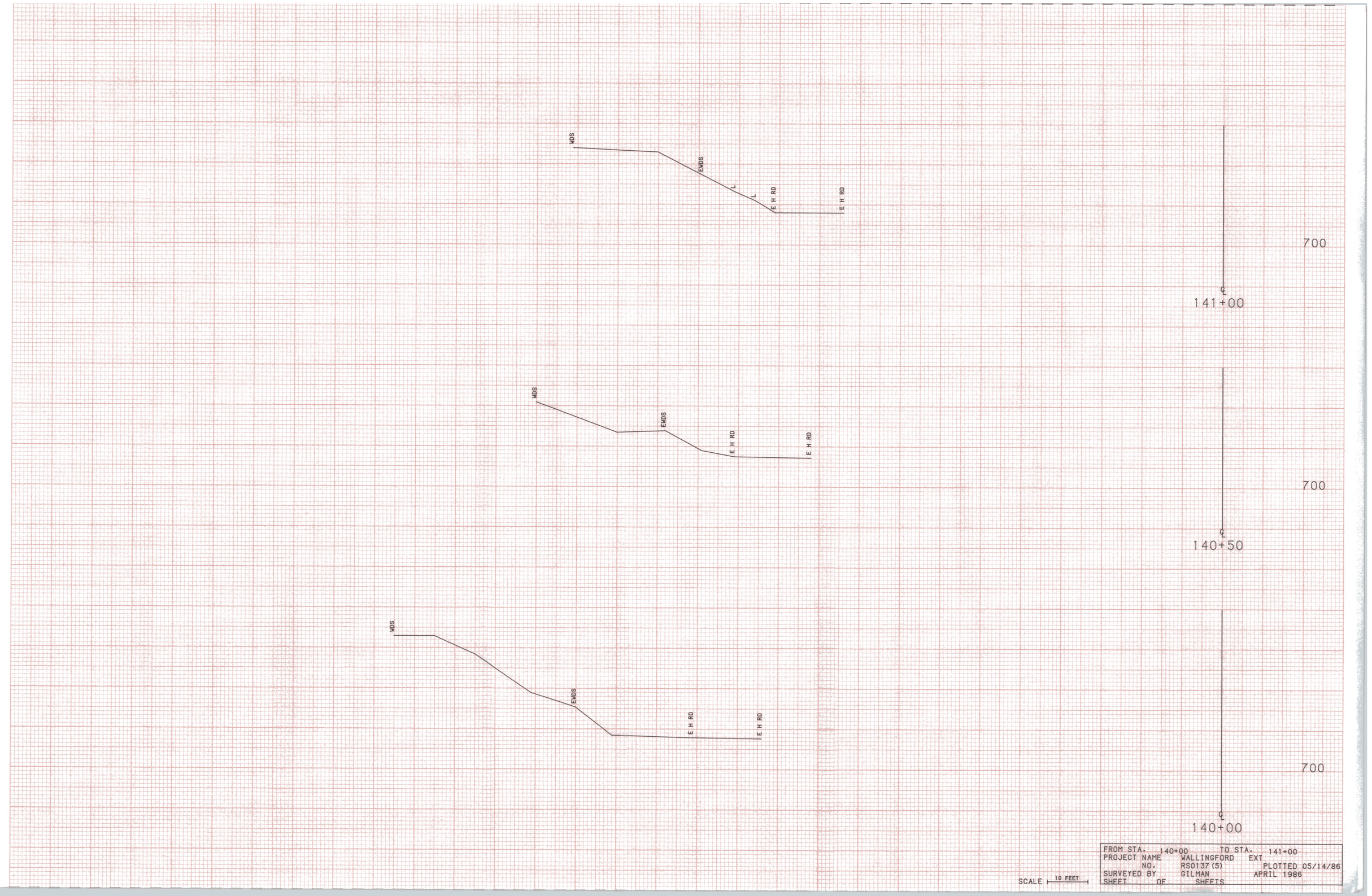
℄
139+50

680

℄
139+00

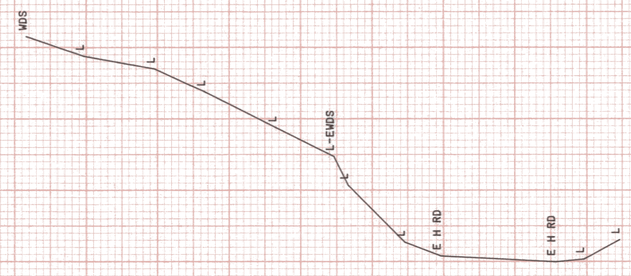
FROM STA.	139+00	TO STA.	139+50
PROJECT NAME	WALLINGFORD	EXT	
NO.	RS0137(5)	PLOTTED	05/14/86
SURVEYED BY	GILMAN	APRIL 1986	
SHEET	OF	SHEETS	

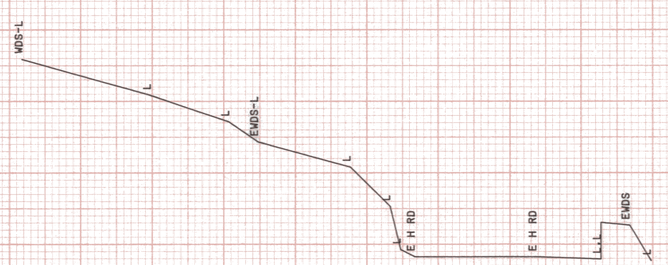
SCALE 10 FEET

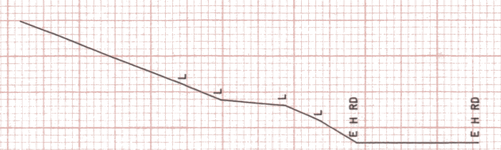


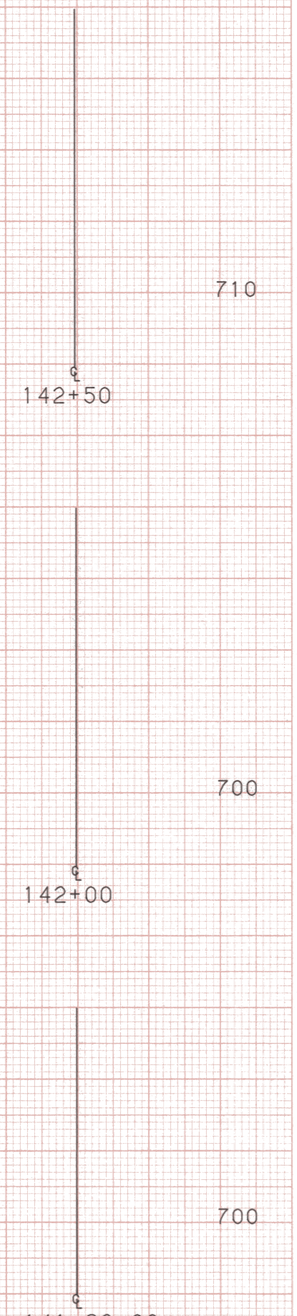
SCALE 10 FEET

FROM STA.	140+00	TO STA.	141+00
PROJECT NAME	WALLINGFORD	EXT	
NO.	RS0137(5)	PLOTTED	05/14/86
SURVEYED BY	GILMAN		APRIL 1986
SHEET	OF	SHEETS	









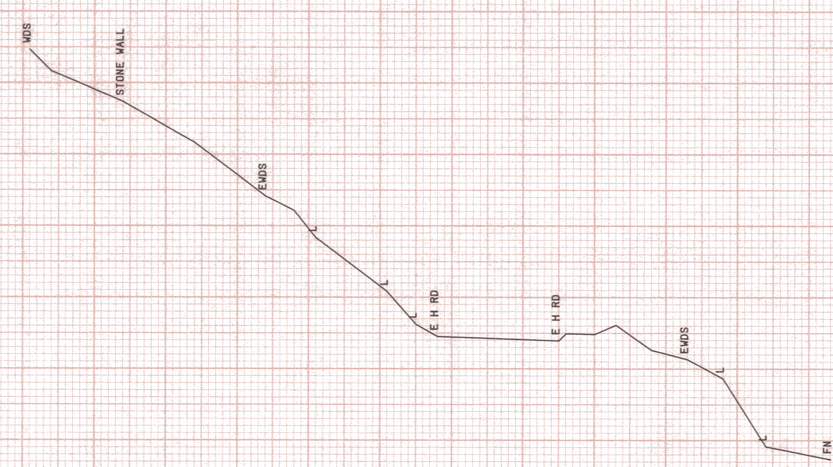
FROM STA.	141+82.60	TO STA.	142+50
PROJECT NAME	WALLINGFORD	EXT	
NO.	RS0137(5)	PLOTTED	05/14/86
SURVEYED BY	GILMAN		APRIL 1986
SHEET	OF	SHEETS	

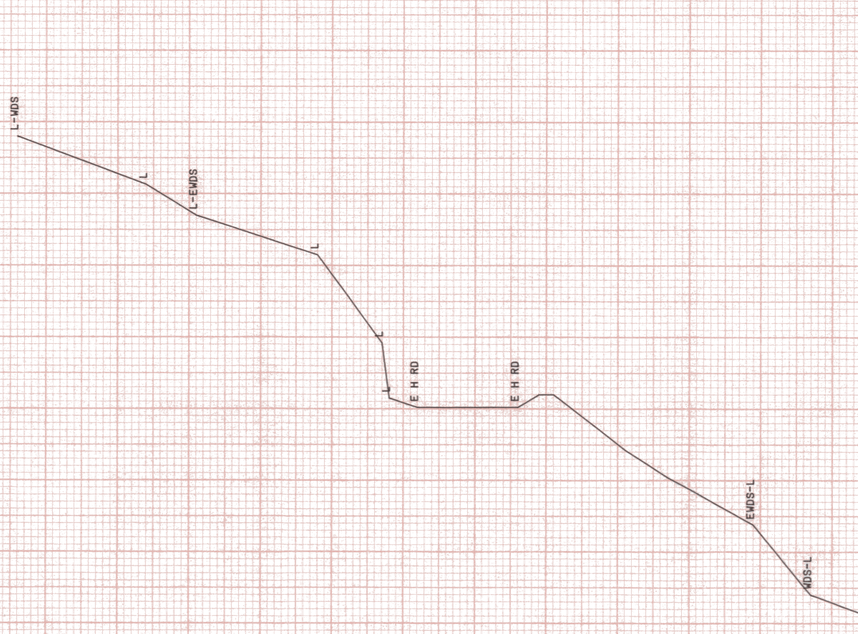
SCALE 10 FEET



SCALE 10 FEET

FROM STA.	143+00	TO STA.	143+00
PROJECT NAME	WALLINGFORD EXT		
NO.	RS0137(5)	PLOTTED	05/14/86
SURVEYED BY	GILMAN	APRIL	1986
SHEET OF	SHEETS		





680

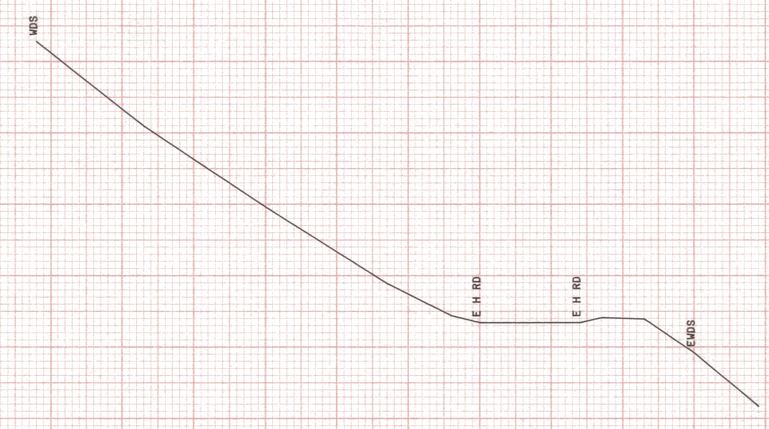
℄
144+00

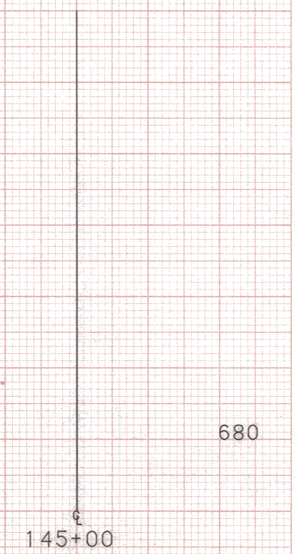
680

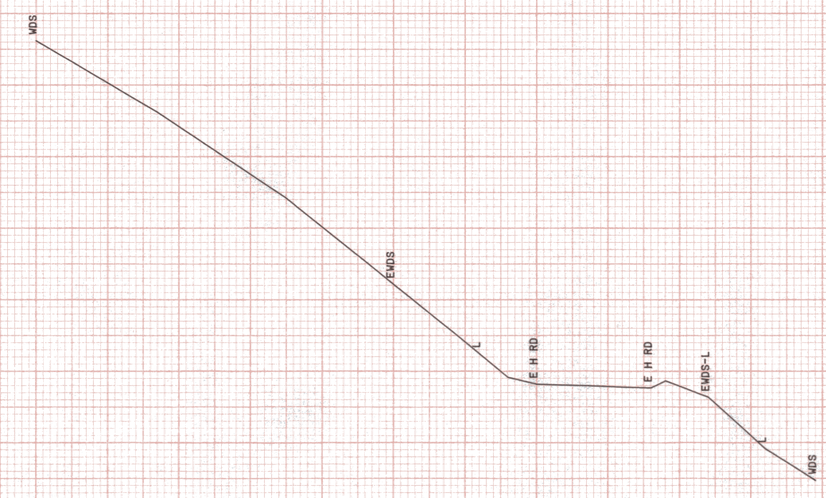
℄
143+50

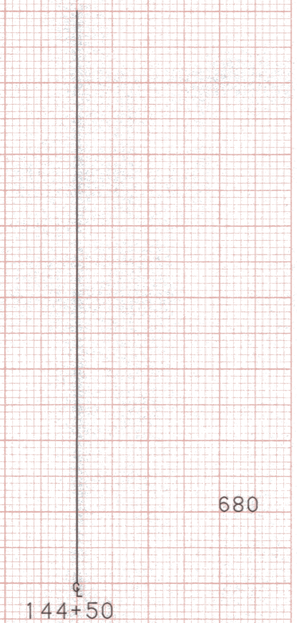
FROM STA.	143+50	TO STA.	144+00
PROJECT NAME	WALLINGFORD	EXT	
NO.	RS0137(5)	PLOTTED	05/14/86
SURVEYED BY	GILMAN	APRIL 1986	
SHEET	OF	SHEETS	

SCALE 10 FEET



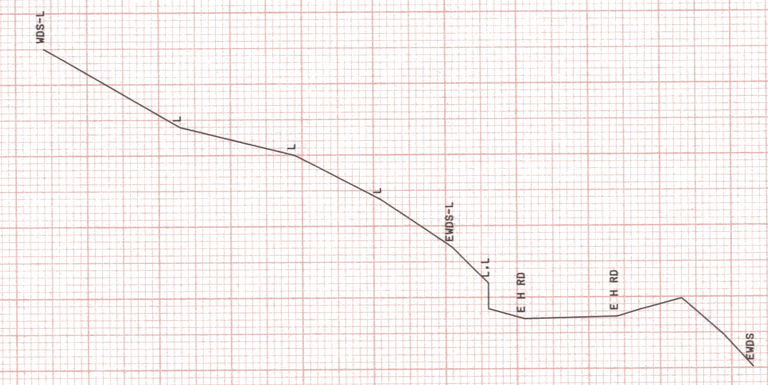


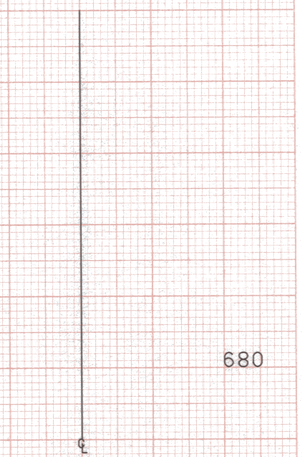


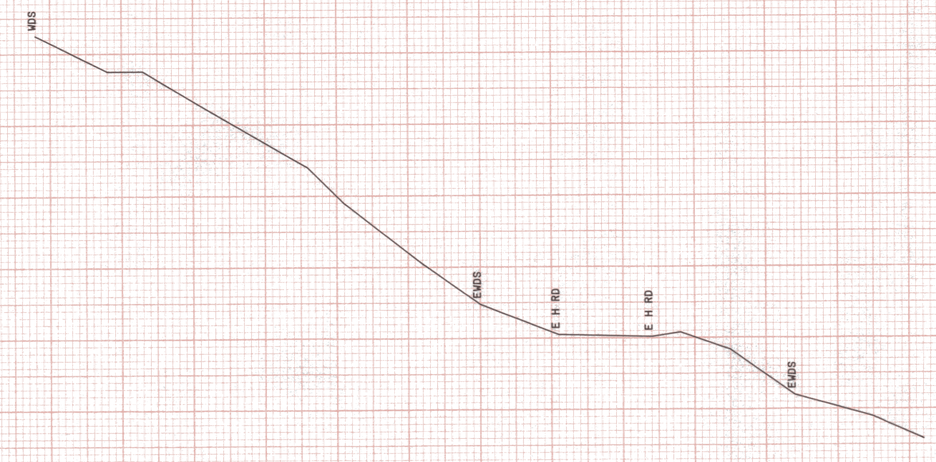


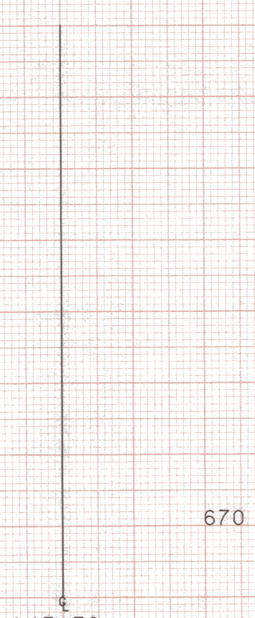
SCALE 10 FEET

FROM STA.	144+50	TO STA.	145+00
PROJECT NAME	WALLINGFORD	EXT	
NO.	RS0137(5)	PLOTTED	05/14/86
SURVEYED BY	GILMAN	APRIL 1986	
SHEET OF	SHEETS		









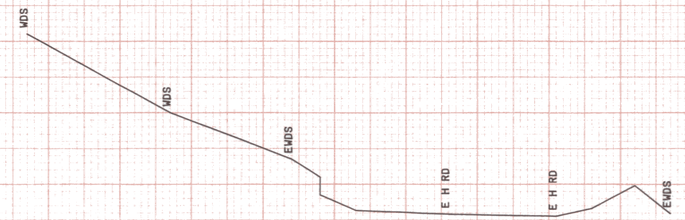
FROM STA.	145+50	TO STA.	146+00
PROJECT NAME	WALLINGFORD		EXT
NO.	RS0137(5)		PLOTTED 05/14/86
SURVEYED BY	GILMAN		APRIL 1986
SHEET	OF	SHEETS	

SCALE 10 FEET



680

147+00

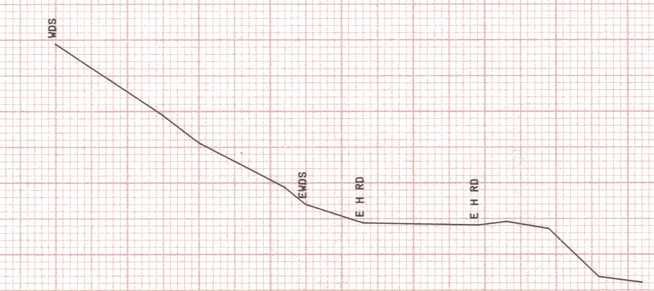


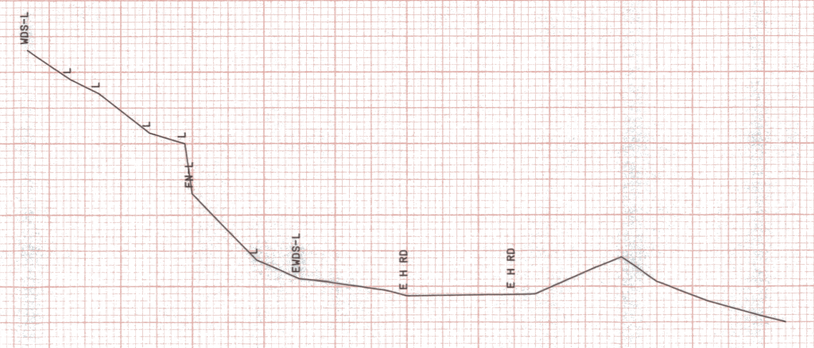
680

146+50

FROM STA.	146+50	TO STA.	147+00
PROJECT NAME	WALLINGFORD	EXT	
NO.	RS0137(5)	PLOTTED	05/14/86
SURVEYED BY	GILMAN	APRIL	1986
SHEET	OF	SHEETS	

SCALE 10 FEET





660

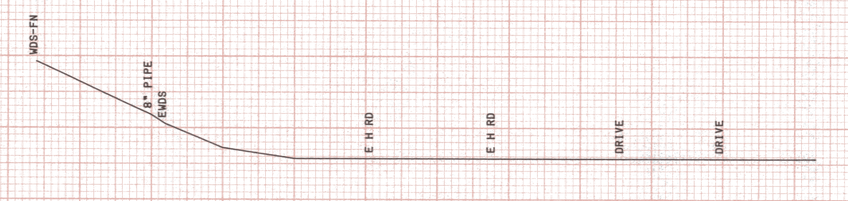
℄
148+00

670

℄
147+50

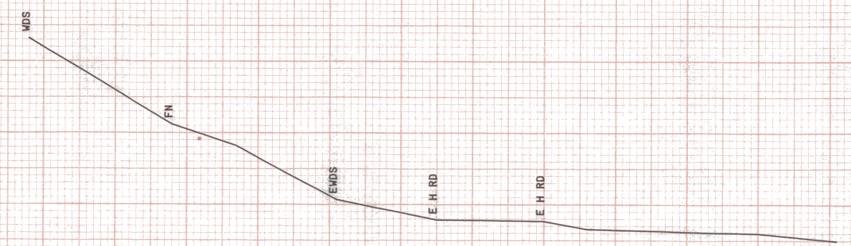
FROM STA. 147+50 TO STA. 148+00
PROJECT NAME WALLINGFORD EXT
NO. RS0137(5) PLOTTED 05/14/86
SURVEYED BY GILMAN APRIL 1986
SHEET OF SHEETS

SCALE 10 FEET



660

℄
149+00



660

℄
148+50

FROM STA.	148+50 TO STA. 149+00
PROJECT NAME	WALLINGFORD EXT
NO.	RS0137(5) PLOTTED 05/14/86
SURVEYED BY	GILMAN APRIL 1986
SHEET	OF SHEETS

SCALE 10 FEET