INDEX OF SHEETS: SEE SHEET 2

STATE OF VERMONT
AGENCY OF TRANSPORTATION

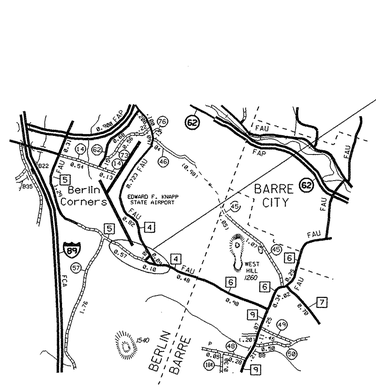
PROPOSED IMPROVEMENT

TOWN OF BERLIN
COUNTY OF WASHINGTON
SCOTT HILL ROAD: T.H. 5
MAJOR COLLECTOR

BEGINNING AT A POINT ON T.H. 5 APPROXIMATELY 0.144 MILES EAST OF THE INTERSECTION OF T.H. 57 AND EXTENDING EASTERLY ON T.H. 5 0.456 MILES TO THE NEW INTERSECTION OF T.H. 4.

LENGTH OF ROADWAY 2405.10 FEET = 0.456 MILES
LENGTH OF PROJECT 2405.10 FEET = 0.456 MILES

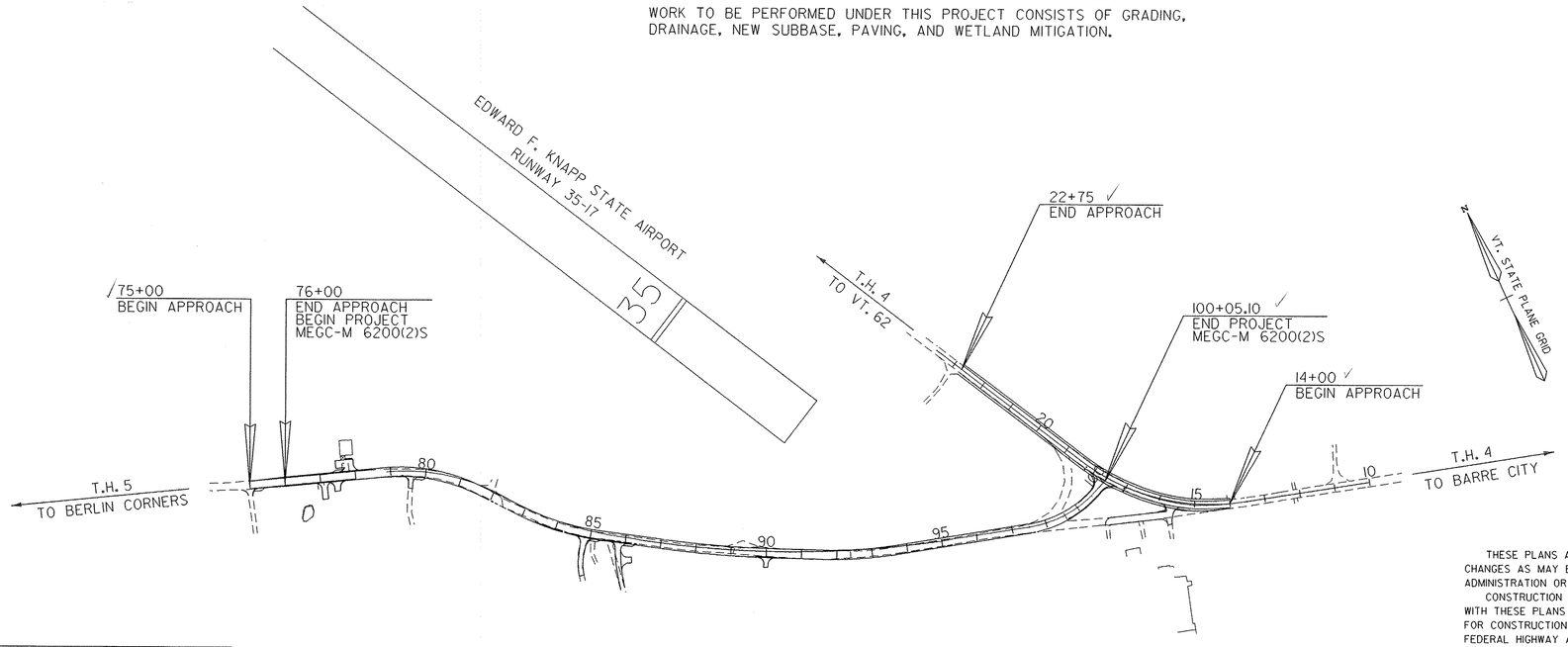
WORK TO BE PERFORMED UNDER THIS PROJECT CONSISTS OF GRADING, DRAINAGE, NEW SUBBASE, PAVING, AND WETLAND MITIGATION.



0 1 MILE
SCALE

TOWN HIGHWAY #5: DODGE ROAD

TRAFFIC DATA	1997	2017
ADT:	540	740
DHV:	75	105
ADTT:	15	25
%D:	62	62
%T:	<1.0	<1.0
	1997-2017	1997-2037
ESAL'S	110,000	347,000
DESIGN SPEED = 35 MPH POSTED SPEED LIMIT = 35 MPH		



0 200 400
SCALE

RECORD PLANS

CONTRACTOR: DON WESTON EXCAVATING,INC. – WILLISTON, VT

RESIDENT ENGINEER: RICHARD COMI

CONSTRUCTION BEGAN: APRIL 23, 1998

CONSTRUCTION COMPLETE: JUNE 8, 1999

RECORD PLANS BY: RICHARD COMI & AMOS KEMPTON

I HEREBY CERTIFY THAT ALL THE CONSTUCTION REQUIRED BY THIS SET OF DRAWINGS HAS BEEN ACCOMPLISHED AS INDICATED HEREIN.

BY Richard Comi by Fred Pond RESIDENT ENGINEER

DATE November 15, 2011

NOTE: Any further information concerning final quantities, amounts or other details relative to this project may be found at Central Files in the electronic archives.

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 NGVD 1929
HORIZONTAL NAD 1927

UNLESS OTHERWISE INDICATED, THE DRAWINGS AND DETAILS OF THESE PLANS ARE NOT TO SCALE

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 1990, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON MARCH 15, 1990 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

APPROVED _____ DATE 7/8/97
DIRECTOR OF ENGINEERING

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED _____ DATE _____
DIVISION ADMINISTRATOR

PROJECT BERLIN NO. MEGC-M6200(2)S
SHEET 1 OF 73 SHEETS

INDEX OF SHEETS

1	TITLE SHEET
2	INDEX OF SHEETS
3-5	MAINLINE TYPICAL SECTIONS
6-8	QUANTITY SHEETS
9	ITEM DETAIL AND DRAINAGE SHEET
10-11	EARTHWORKS SHEETS
12-22	ROW DETAIL AND PLAN SHEETS
23-29	PLAN SHEETS
30-32	PROFILE SHEETS
33-34	PAVEMENT MARKINGS AND SIGN SHEETS
35	BLANK
36	WETLAND CREATION AND PLANTING DETAILS
37-44	EROSION CONTROL PLANS
45-49	UTILITY PLANS
50	BLANK
51-65	T.H. #5 CROSS SECTIONS
66-73	T.H. #4 CROSS SECTIONS

STANDARD SHEETS

A-61	SLOPES IN SOLID ROCK EXCAV. (UNDER 50MPH)	06-01-94
B-1	BANKING TABLES	06-01-94
B-5	SLOPE GRADING, EMBANKMENTS, MUCK	06-01-94
B-11	UNDERDRAIN - ROCK SUBGRADE, SLOPE STABILIZ.	06-01-94
B-17	TURNOUTS	02-23-95
B-71	STANDARDS FOR RESIDENTIAL AND COMMERCIAL DRIVES	03-10-95
D-2	C.R.M. HEADWALLS, UNDERDRAIN	06-01-94
	C.R.M. HEADWALLS & RETAINING WALLS	
	REINFORCED CONCRETE HEADWALL	
	UNDERDRAIN & CARRIER PIPE CONSTRUCTION DETAILS	
D-3	TREATED GUTTERS	06-01-94
D-4	FLUSHING BASINS, END SECTION, ELBOWS	06-01-94
	GRANULAR BORROW AT CULVERT LOCATIONS	
	UNDERDRAIN FLUSHING BASIN	
	CORRUGATED STEEL PIPE END SECTION	
	CORRUGATED STEEL PIPE ARCH END SECTION	
D-16	UNDERDRAIN RISER	06-01-94
	ENERGY DISSIPATOR FOR CULVERT	

E-100	CONSTRUCTION APPROACH SIGNS	08-08-95
E-101	CONSTRUCTION SIGN DETAILS	08-08-95
E-102	CONSTRUCTION SIGN DETAILS	08-08-95
E-102A	CONSTRUCTION SIGN DETAILS	08-08-95
E-106	TRAFFIC CONTROL - MISCELLANEOUS DETAILS	08-08-95
E-107	DELINEATION, BARRICADES AND DETOURS FOR CONSTRUCTION AREAS	08-08-95
E-107A	BREAKAWAY BARRICADE DETAILS	08-08-95
E-108	CONSTRUCTION ZONE LONGITUDINAL DROP OFFS	08-18-95
E-110	MAJOR MAINTENANCE OPERATION LANE CLOSURE	08-08-95
E-119	UTILITY WORK ZONE	08-08-95
E-121	STANDARD SIGN PLACEMENT - CONVENTIONAL ROAD	08-08-95
E-138	MILEMARKER DETAILS STATE & TOWN HIGHWAYS	08-08-95
E-141	REGULATORY SIGN DETAILS	09-20-95
E-142	REGULATORY SIGN DETAILS	09-20-95
E-143	REGULATORY SIGN DETAILS	09-20-95
E-150	WARNING SIGN DETAILS	01-15-97
E-160	FLANGED CHANNEL STEEL SIGN POST	08-18-95
E-164	SQUARE STEEL SIGN POST	08-18-95
E-191	PAVEMENT MARKING DETAILS	08-18-95
E-193	PAVEMENT MARKING DETAILS	08-18-95

G-1	STEEL BEAM GUARDRAIL (50MPH & OVER)	06-01-94
G-4	MARKERS - GUIDE POSTS - PLANK GUARD RAIL	06-01-94
	WOOD MARKER POSTS	
G-17A	MODIFIED ECCENTRIC LOADER TERMINAL (MELT)	01-18-97
G-17B	MODIFIED ECCENTRIC LOADER TERMINAL (MELT)	06-30-95
J-1	PROJECT AND BOUNDARY MARKERS	05-01-94
J-3	MAILBOX SUPPORT DETAIL	08-07-95
T-1	TEMPORARY EROSION CONTROL DETAILS	06-01-94
T-2	TEMPORARY EROSION CONTROL DETAILS	06-01-94

DATUM
VERTICAL _____
HORIZONTAL _____

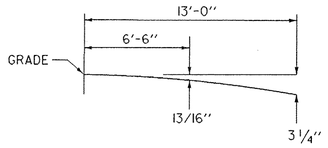
SURVEYED BY N/A DATE _____
DRAWN BY S. GANN DATE _____
SQUAD LEADER BOHL
DESIGN FILE NO. /sqdd/87e055/de055.dgn
IPARM FILE de055ind.i DATE PLOTTED 17-JUL-1997
PROJ. NAME BERLIN
PROJ. NO. MEGC-M6200(2)S
SHEET 2 OF 73 SHEETS

TYPICAL SECTIONS

1 1/2'' BITUMINOUS CONCRETE PAVEMENT TYPE III
2 1/2'' BITUMINOUS CONCRETE PAVEMENT TYPE I
6''± SUBBASE OF DENSE GRADED CRUSHED STONE SHIM COURSE
SAND BORROW - AN ESTIMATED QUANTITY HAS BEEN INCLUDED IN THE PROJECT TO BE USED AT THE DISCRETION OF THE RESIDENT ENGINEER.

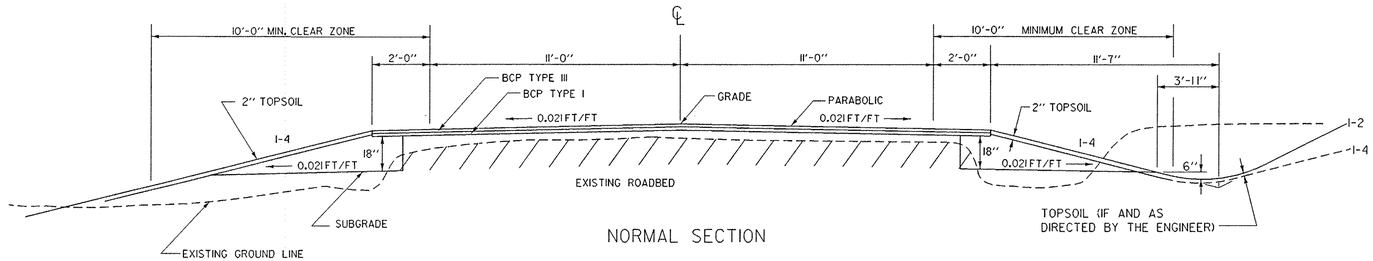
76+00 ~ REV 83+00
REV 89+00 ~ REV 92+50

NOTE: SEE SHEET 4 FOR SEEDING FORMULA AND GENERAL NOTES.

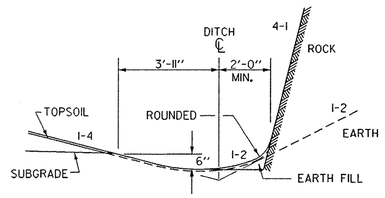


PARABOLIC DETAIL

MATERIAL ITEM	THICKNESS TOLERANCE
PAVEMENT	± 1/4''
SUBBASE	± 1''

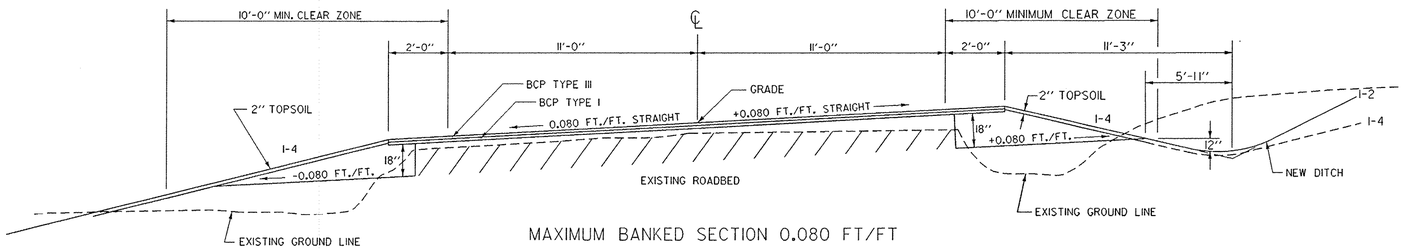


NORMAL SECTION

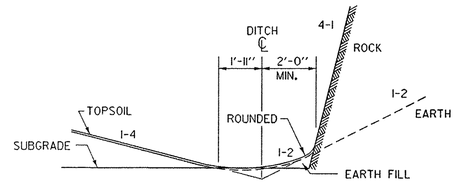


DETAILS OF DITCH AND BACKSLOPE FOR LOW SIDE OF BANK < 0.042 FT/FT

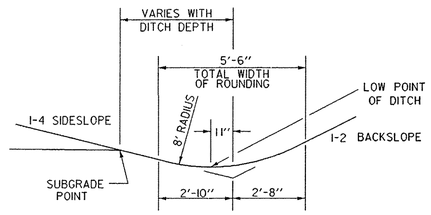
FOR SLOPES IN SOLID ROCK EXCAVATION AND DRILLING AND BLASTING OF SOLID ROCK SUBGRADE, SEE STANDARD SHEET A-61.



MAXIMUM BANKED SECTION 0.080 FT/FT



DETAILS OF DITCH AND BACKSLOPE FOR LOW SIDE OF BANK ≥ 0.042 FT/FT



TYPICAL DITCH DETAILS

DATUM
VERTICAL _____
HORIZONTAL _____

PROJECT: BERLIN	PROJECT NO.: MEGC-M6200(2)S
DESIGN FILE NAME: sqdd/87e055/de055.dgn	
IPARM FILE NAME: de055tyl.i	PLOT DATE: 17-JUL-1997
SURVEYED BY:	SURVEY DATE:
SQUAD LEADER: BOHL	DRAWN BY:
	SHEET: 3 OF 73

TYPICAL SECTIONS

$1\frac{1}{2}$'' BITUMINOUS CONCRETE PAVEMENT TYPE III
$2\frac{1}{2}$'' BITUMINOUS CONCRETE PAVEMENT TYPE I
18'' SUBBASE OF DENSE GRADED CRUSHED STONE
SAND BORROW - AN ESTIMATED QUANTITY HAS BEEN INCLUDED IN THE PROJECT TO BE USED AT THE DISCRETION OF THE RESIDENT ENGINEER.

REV 83+00 ~ REV 89+00
REV 92+50 ~ REV 100+00

SEEDING FORMULA
URBAN AREAS

% WT.	LBS./A.	NAME	PUR %	GERM %
42.5	34.0	CREEPING RED FESCUE	98	85
10.0	8.0	PERENNIAL RYE GRASS	95	90
42.5	34.0	KENTUCKY BLUE GRASS	85	85
5.0	4.0	ANNUAL RYE GRASS	95	85
100.00	80.0			

GENERAL NOTES

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

SEED: TO BE APPLIED PER SEEDING FORMULAS OR AS DIRECTED BY THE ENGINEER.

FERTILIZER: FORMULA 10-20-10, TO BE USED WITH SEED, APPLIED AT THE RATE OF 500 LBS./ACRE. (HYDRO SEEDERS MAY USE 19-19-19 FORMULA).

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

HAY MULCH: TO BE PLACED ON EARTH SLOPES AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE ENGINEER.

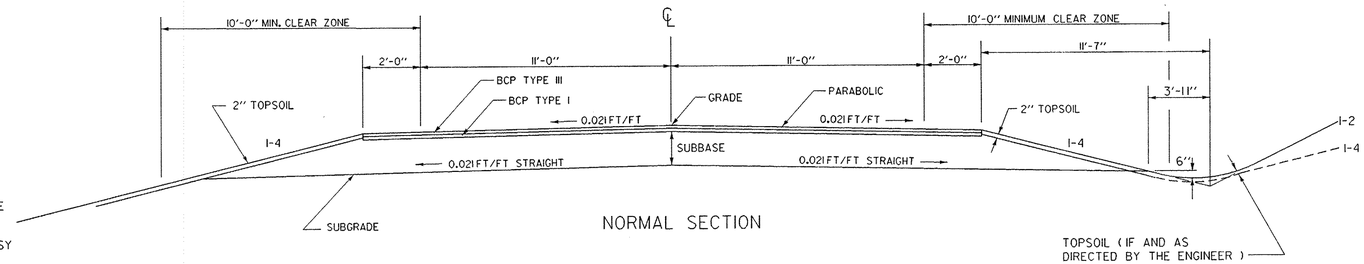
TOPSOIL: TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.

MARKER POSTS: TO BE PLACED AS INDICATED OR AS DIRECTED BY THE ENGINEER.

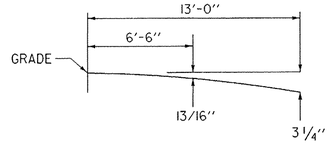
SLOPE ROUNDING: ALL CUT SLOPES TO BE ROUNDED IN ACCORDANCE WITH STANDARD SHEET B-5.

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

TACK COAT: EMULSIFIED ASPHALT IS TO BE APPLIED AT THE RATE OF 0.015 GAL/SY BETWEEN SUCCESSIVE COURSES OF PAVEMENT AS DIRECTED BY THE ENGINEER.

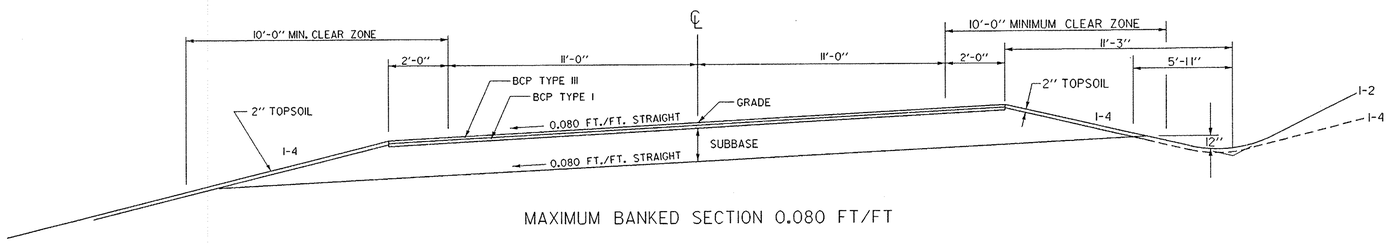


NORMAL SECTION

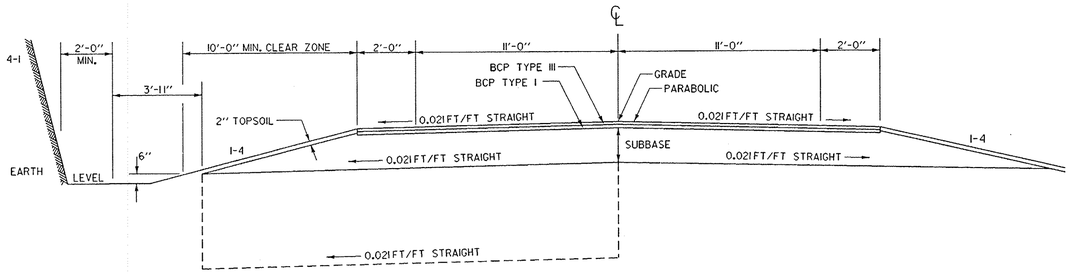


PARABOLIC DETAIL

MATERIAL ITEM	THICKNESS TOLERANCE
PAVEMENT	± 1/4''
SUBBASE	± 1''

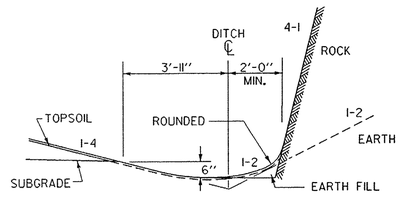


MAXIMUM BANKED SECTION 0.080 FT/FT

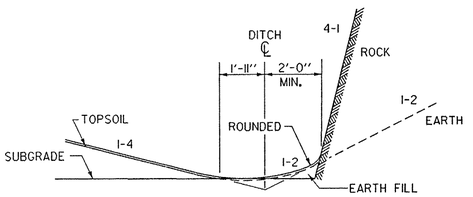


NORMAL SECTION IN ROCK CUT

FOR SLOPES IN SOLID ROCK EXCAVATION AND DRILLING AND BLASTING OF SOLID ROCK SUBGRADE, SEE STANDARD SHEET A-61.



DETAILS OF DITCH AND BACKSLOPE FOR LOW SIDE OF BANK < 0.042 FT/FT



DETAILS OF DITCH AND BACKSLOPE FOR LOW SIDE OF BANK ≥ 0.042 FT/FT

DATUM
VERTICAL _____
HORIZONTAL _____

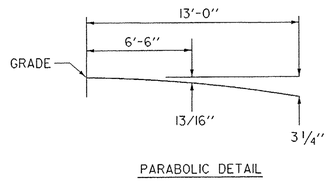
PROJECT: BERLIN	PROJECT NO.: MEGC-M6200(2)S
DESIGN FILE NAME: sqdd/87e055/de055.dgn	
IPARM FILE NAME: de055ty2.i	PLOT DATE: 17-JUL-1997
SURVEYED BY:	SURVEY DATE:
SQUAD LEADER: BOHL	DRAWN BY:
	SHEET: 4 OF 73

TH # 4 TYPICAL SECTIONS

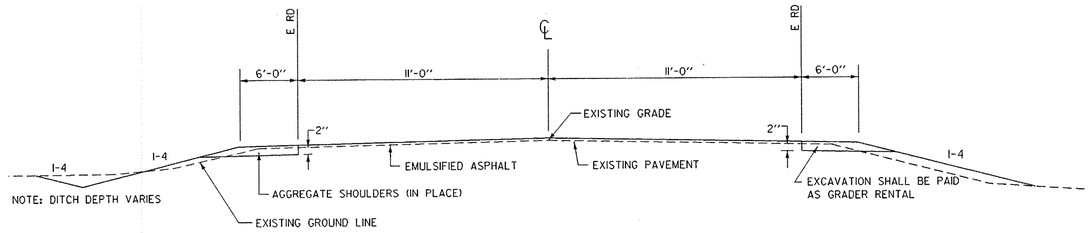
NOTE: SEE SHEET 4 FOR SEEDING FORMULA AND GENERAL NOTES.

1 1/4'' BITUMINOUS CONCRETE OVERLAY TYPE III
3 1/4'' AGGREGATE SHOULDERS, IN PLACE

EMULSIFIED ASPHALT, TO BE APPLIED AT THE RATE OF 0.015 GAL./S.Y. OR AS DIRECTED BY THE ENGINEER



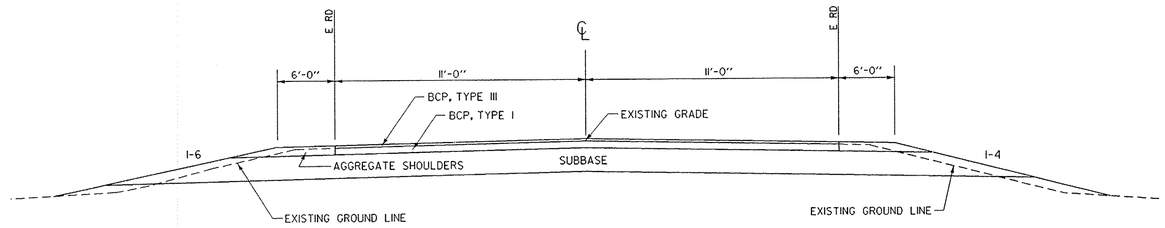
PARABOLIC DETAIL



NORMAL SECTION

MATERIAL ITEM	THICKNESS TOLERANCE
PAVEMENT	± 1/4''
SUBBASE	± 1''

1 1/4'' BITUMINOUS CONCRETE PAVEMENT (ONE LIFT - TYPE III)
3'' BITUMINOUS CONCRETE PAVEMENT (ONE LIFT - TYPE I)
18'' SUBBASE OF DENSE GRADED CRUSHED STONE
4 1/4'' AGGREGATE SHOULDERS, IN PLACE



NORMAL SECTION

21+30.5 ± ~ 21+63 ±
AREA OF 57'' X 38'' ARCH PIPE

DATUM
VERTICAL _____
HORIZONTAL _____

PROJECT: BERLIN	PROJECT NO.: MEGC-M6200(2)S
DESIGN FILE NAME: sqdd/87e055/de055.dgn IPARM FILE NAME: de055ty3.i SURVEYED BY: SQUAD LEADER: BOHL	PLOT DATE: 17-JUL-1997 SURVEY DATE: DRAWN BY: SHEET: 5 OF 73

QUANTITY SHEET

STATE OF VERMONT
AGENCY OF TRANSPORTATION

APPROXIMATE SUMMARY OF QUANTITIES

TRAINING	R.O.W.	LANDSCP. WETLAND	NON-PART.	EROSION CONTROL	UTILITY	ROADWAY	QUANTITIES GRAND TOTAL	UNIT	ITEMS	ITEM NO.	ROUNDING
						1	1	LS	CLEARING AND GRUBBING (PLUS INDIVIDUAL TREES AND STUMPS)	201.10	EST.
		2750				14480	17230	CY	COMMON EXCAVATION	203.15	
						2800	2800	CY	SOLID ROCK EXCAVATION	203.16	20
						55	55	CY	UNCLASSIFIED CHANNEL EXCAVATION	203.27	3
						15	15	CY	EXCAVATION OF SURFACES AND PAVEMENT	203.28	EST.
						500	500	CY	SAND BORROW	203.31	EST.
						125	125	CY	GRANULAR BORROW	203.32	-
						12200	12200	SY	FINE GRADING-SUBGRADE	203.40	
				50		1480	1530	CY	TRENCH EXCAVATION OF EARTH	204.20	
						25	25	CY	TRENCH EXCAVATION OF ROCK	204.21	EST.
						195	195	CY	STRUCTURE EXCAVATION	204.25	4
						85	85	CY	GRANULAR BACKFILL FOR STRUCTURES	204.30	7
						1460	1460	SY	DRILLING AND BLASTING OF SOLID ROCK SUBGRADE	205.20	15
						515	515	SY	COLD PLANING - BIT. PAVEMENT	210.10	4
						1500	1500	SY	SCARIFYING PAVEMENT	212.20	25
				250		4600	4850	CY	SUBBASE DENSE GRADED CRUSHED STONE	301.35	
						450	450	CY	AGGREGATE SHOULDERS, IN PLACE	402.10	
						310	310	CY	AGGREGATE SHOULDERS, IN PLACE (MOD.)	402.10	6
						12	12	CWT	EMULSIFIED ASPHALT	404.65	-
						1860	1860	TON	BITUMINOUS CONCRETE PAVEMENT (PG 58-34)	406.25	
						21	21	CY	CONCRETE, CLASS B	501.25	-
						130	130	LB	REINFORCING STEEL	507.15	13
						76	76	LF	28'' X 20'' CSPA .064 (2 2/3 X 1/2)	601.3025	-
									•• BEGIN OPTION PIPES ••		
						86	86	LF	18'' CSP .064 (2 2/3 X 1/2)	601.0015	-
									18'' CPEP	601.0915	
						42	42	LF	24'' CSP .064 (2 2/3 X 1/2)	601.0025	-
									24'' CPEP	601.0920	
						56	56	LF	18'' CAAP .060 (2 2/3 X 1/2)	601.0215	-
									18'' PCCSP .064 (2 2/3 X 1/2)	601.0415	
									18'' CPEP	601.0915	
						70	70	LF	24'' CAAP .060 (2 2/3 X 1/2)	601.0225	-
									24'' PCCSP .064 (2 2/3 X 1/2)	601.0425	
									24'' CPEP	601.0920	
						80	80	LF	36'' CAAP .075 (2 2/3 X 1/2)	601.0246	-
									36'' PCCSP (PI) .079 (2 2/3 X 1/2)	601.0646	
									36'' CPEP	601.0930	
						78	78	LF	42'' CAAP .105 (2 2/3 X 1/2)	601.0252	-
									42'' PCCSP .109 (2 2/3 X 1/2)	601.0452	

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS
		COMMON EXCAVATION (203.15)
12156	CY	MAINLINE - TH #5
689	CY	TH #4 - DODGE ROAD
963	CY	DRIVES
633	CY	DRAINAGE SHEET
2737	CY	WETLAND CREATION
52	CY	ROUNDING
17230	CY	TOTAL
		FINE GRADING-SUBGRADE (203.40)
10590	SY	MAINLINE - TH #5
191	SY	TH #4 - DODGE ROAD
1312	SY	DRIVES AND MAILBOX TURNOUTS
107	SY	ROUNDING
12200	SY	TOTAL
		TRENCH EXCAVATION OF EARTH (204.20)
405	CY	DRAINAGE SHEET
1023	CY	UNDERDRAIN
16	CY	TEST TRENCH
50	CY	TEMPORARY EROSION CONTROL
36	CY	ROUNDING
1530	CY	TOTAL
		SUBBASE DENSE GRADED CRUSHED STONE (301.35)
4432	CY	MAINLINE - TH #5
119	CY	TH #4 - DODGE ROAD
250	CY	TEMPORARY EROSION CONTROL
49	CY	ROUNDING
4850	CY	TOTAL

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS		
		AGGREGATE SHOULDERS, IN PLACE (402.10)		
145	CY	TH# 4 SHOULDERS		
304	CY	DRIVES AND MB TURNOUTS		
1	CY	ROUNDING		
450	CY	TOTAL		
		BITUMINOUS CONCRETE PAVEMENT (406.25)		
		TYPE	I	III
1612	TON	TH #5	1008	604
199	TON	TH #4	26	173
20	TON	DRIVES AND MB TURNOUTS		20
29	TON	ROUNDING		
1860	TON	TOTAL		
		TEMPORARY EROSION CONTROL		
		(INCLUDED WITH EROSION CONTROL)		
50	CY	TRENCH EXCAVATION OF EARTH		
250	CY	SUBBASE OF DENSE GRADED CRUSHED STONE		
25	CY	STONE FILL, TYPE I		
10	LB	SEED-WINTER RYE		
2	TON	HAY MULCH		
100	SY	EROSION MATTING		
825	SY	GEOTEXTILE FOR SILT FENCE		
875	EA	HAY BALES FOR EROSION CONTROL		

STATIONS FROM	STATIONS TO	PAVEMENT WIDTHS			EQUATIONS +	EQUATIONS -	FEET	MILES	REMARKS
TOTALS									

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PROJECT NAME BERLIN
PROJECT NUMBER MEGC-M6200(2)S

SHEET 6 OF 73 SHEETS

QUANTITY SHEET

STATE OF VERMONT
AGENCY OF TRANSPORTATION

APPROXIMATE SUMMARY OF QUANTITIES

TRAINING	R.O.W.	LANDSCP. WETLAND	NON-PART.	EROSION CONTROL	UTILITY	ROADWAY	QUANTITIES GRAND TOTAL	UNIT	ITEMS	ITEM NO.	ROUNDING
						74	74	LF	57'' X 38'' CAAPA .135 (2 2/3 X 1/2)	601.3258	-
									57'' X 38'' PCCSPA (PI) .109 (2 2/3 X 1/2)	601.3657	
						1	1	EA	18'' CSPES .064 (2 2/3 X 1/2)	601.6015	-
									18'' CAAPES .060 (2 2/3 X 1/2)	601.6215	
									18'' CPEPES	601.7015	
						1	1	EA	24'' CSPES .064 (2 2/3 X 1/2)	601.6025	-
									24'' CAAPES .060 (2 2/3 X 1/2)	601.6225	
									24'' CPEPES	601.7020	
									** END OPTION PIPES **		
						1480	1480	LF	6'' UNDERDRAIN	605.10	EST.
						240	240	LF	6'' UNDERDRAIN CARRIER PIPE	605.20	EST.
						4	4	EA	UNDERDRAIN FLUSHING BASIN	605.95	EST.
						80	80	HR	ROADWAY PATROL MAINTENANCE	607.10	EST.
						1	1	HR	BULLDOZER RENTAL, TYPE I(NABI)	608.10	EST.
						12	12	HR	POWER GRADER RENTAL	608.15	EST.
						1	1	HR	ALL PURP. EXCAVATOR RENTAL, TYPE I(NABI)	608.25	EST.
						10	10	HR	POWER BROOM RENTAL	608.30	EST.
						1	1	HR	TRUCK RENTAL(NABI)	608.37	EST.
						350	350	MGL	DUST CONTROL W/WATER	609.10	EST.
						3	3	TON	DUST AND ICE CONTROL W/CALC. CHLORIDE	609.15	EST.
				25		490	515	CY	STONE FILL, TYPE I	613.10	3
						125	125	CY	STONE FILL, TYPE II	613.11	6
						6	6	EA	RELOCATE MAILBOX, SINGLE SUPPORT	617.10	-
						10	10	EA	BOUNDARY MARKERS	619.10	EST.
						14	14	EA	WOOD MARKER POST	619.15	-
						5	5	EA	REMOVING AND RESETTING PROP. MARKER	619.20	EST.
			1100			620	1720	LF	REMOVAL OF EXISTING FENCE	620.55	11
						315	315	LF	BARBED WIRE FENCE	620.60	3
						540	540	LF	STEEL BEAM GUARD RAIL	621.20	6
						2	2	EA	MODIFIED ECCENTRIC LOADER TERMINAL	621.52	-
					20		20	LF	DUCTS - CONCRETE ENCASED; 2-3'' DUCTS	624.20	-
					30		30	LF	DUCTS - CONCRETE ENCASED; 4-3'' DUCTS	624.20	-
					48		48	LF	DUCTS - CONCRETE ENCASED; 5-3'' DUCTS	624.20	-
					40		40	LF	DUCTS - CONCRETE ENCASED; 6-3'' DUCTS	624.20	-
					156		156	LF	DUCTS - DIRECT BURIED; 2-3'' DUCTS	624.25	-
					2		2	EA	REPLACEMENT OF EXISTING METER SOCKET	624.41	-

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS

STATIONS FROM	STATIONS TO	PAVEMENT WIDTHS			EQUATIONS +	EQUATIONS -	FEET	MILES	REMARKS
TOTALS									

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PROJECT NAME BERLIN
PROJECT NUMBER MEGC-M6200(2)S

QUANTITY SHEET

STATE OF VERMONT
AGENCY OF TRANSPORTATION

APPROXIMATE SUMMARY OF QUANTITIES

TRAINING	R.O.W.	LANDSCP. WETLAND	NON-PART.	EROSION CONTROL	UTILITY	ROADWAY	QUANTITIES GRAND TOTAL	UNIT	ITEMS	ITEM NO.	ROUNDING
						130	130	HR	UNIFORMED TRAFFIC OFFICERS	630.10	EST.
						475	475	HR	FLAGGERS	630.15	EST.
						1	1	LS	FIELD OFFICE-ENGINEERS	631.10	-
						1	1	LS	TESTING EQUIPMENT - CONCRETE	631.16	-
						1	1	LS	TESTING EQUIPMENT - BITUMINOUS	631.17	-
						1	1	LS	FIELD OFFICE TELEPHONE(NABI)	631.25	-
125							125	HR	EMPLOYEE TRAINEESHIP	634.10	EST.
						1	1	LS	MOBILIZATION	635.10	-
						1800	1800	LF	DURABLE 4'' WHITE LINE	646.40	17
						6700	6700	LF	DURABLE 4'' YELLOW LINE	646.41	32
						15	15	LF	DURABLE 24'' STOP BAR	646.46	-
						13	13	EA	DURABLE LETTER OR SYMBOL	646.50	-
						200	200	LF	TEMPORARY 4'' WHITE LINE	646.60	4
						5100	5100	LF	TEMPORARY 4'' YELLOW LINE	646.61	44
						15	15	LF	TEMPORARY 24'' STOP BAR	646.66	-
						110	110	EA	LINE STRIPING TARGETS	646.73	3
			825				825	SY	GEOTEXTILE FOR SILT FENCE	649.51	EST.
			330				330	LB	SEED	651.15	EST.
		4					4	LB	SEED (MOD.)	651.15	-
			10				10	LB	SEED-WINTER RYE	651.17	EST.
			2750				2750	LB	FERTILIZER	651.18	EST.
			11				11	TON	AGRICULTURAL LIMESTONE	651.20	EST.
			13				13	TON	HAY MULCH	651.25	EST.
			875				875	EA	HAY BALES FOR EROSION CONTROL	651.26	20
						290	290	CY	TOPSOIL	651.35	EST.
		1000					1000	SY	GRUBBING MATERIAL (MOD.)	651.40	9
			700				700	SY	EROSION MATTING	654.10	-
		165					165	EA	DECIDUOUS SHRUBS	656.35	-
						26	26	SF	TRAFFIC SIGNS, TYPE A	675.20	0.7
									** BEGIN SIGN POST OPTIONS **		
						156	156	LB	FLANGED CHANNEL SIGN POSTS	675.30	-
									SQUARE TUBE STEEL POSTS AND ANCHORS	675.34	-
									** END SIGN POST OPTIONS **		
						3	3	EA	REMOVING SIGNS	675.50	-
						1	1	EA	ERECTING SALVAGED SIGNS	675.60	-
						1	1	EA	SETTING SALVAGED POSTS	675.61	-

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS

STATIONS		PAVEMENT WIDTHS			EQUATIONS		FEET	MILES	REMARKS
FROM	TO				+	-			
TOTALS									

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PROJECT NAME BERLIN
PROJECT NUMBER MEGC-M6200(2)S

ITEM DETAIL AND DRAINAGE SHEET

STATE OF VERMONT
AGENCY OF TRANSPORTATION

DRAINAGE STRUCTURES

STA.	STA.	POSITION	ASKEW	TYPE IN/OUT	DITCH IN	DITCH OUT	PIPE ARCH S IN	PIPE ARCH R IN	PIPE ARCH L FT	PIPE D IN	PIPE L FT	ALLOWABLE OPTIONS PCCSP TH	CAAP TH	RCP CL	CSP TH	CPEP	PCCSP FI TH	PIPE ELBOW NO-DEG	ES EA	CB	PRCCDI	DEPTH DI	CONC CL B CY	REIN STEEL LBS	DI GRATE TYPE	CHAN ELEV	CRM CY	TR EXCAV EARTH CY	TR EXCAV ROCK CY	COMM EXC CY	UNC CHAN EXC CY	STRUC EXCAV CY	GRAN BKF STRUC CY	GRAN BORR CY	EROS MATT SY	STONE FILL CY	STONE FILL TYPE	MRKR POSTS LT	MRKR POSTS RT	REMARKS
TH #5	- SCOTT HILL ROAD																																						
75+50	76+98	RT/RT																												43					44	I			SPECIAL DITCH W/ STONE FILL, TYPE I
76+90	77+14	RT/RT																									4												EXISTING 15'' ACCGMP - REMOVE
77+08		RT			X	X	28	20	36						.064																								DRIVE PIPE
77+21	77+35	RT/RT																												2					4	I			SPECIAL DITCH W/ STONE FILL, TYPE I
77+48		RT																																				EXISTING 18'' CMP -REMOVE
77+48		RT			X	X	28	20	40						.064																								DRIVE PIPE
	REVISED																																						
77+66	79+46	RT/RT																												52					54	I			SPECIAL DITCH W/ STONE FILL, TYPE I
	REVISED																																						
78+00	80+00	LT/LT																																180					SPECIAL DITCH W/ EROSION MATTING
REVISED	STATION$																																						
79+59		RT			X	X				24	42				.064	X																								DRIVE PIPE
79+77	80+36	RT/RT																												16					17	I			SPECIAL DITCH W/ STONE FILL, TYPE I
SURV.	80+45	CL																																					EXISTING 24'' CGMP - REMOVE
80+45		CL		HW/	X	X				36	80		.075			X	.079					4.9	17				200	3					15		55	II			FULL BEVELED STRAIGHT HEADWALL
80+54	84+64	RT/RT																												121					122	I			SPECIAL DITCH W/ STONE FILL, TYPE I
83+00	83+75	LT/LT																												21					21	I			SPECIAL DITCH W/ STONE FILL, TYPE I
84+83		RT			X	X				18	44				.064	X																								DRIVE PIPE
86+50	89+75	LT/LT																												87					87	I			SPECIAL DITCH W/ STONE FILL, TYPE I
86+50	89+87	RT/RT																												70					75	I			SPECIAL DITCH W/ STONE FILL, TYPE I
90+00		RT			X	X				18	42				.064	X																								DRIVE PIPE
90+18	90+71	RT/RT																												15					15	I			SPECIAL DITCH W/ STONE FILL, TYPE I
90+75		CL		ES/	X	X				18	56	.064	.060			X			1								50						8		7	I	1	1	
95+58		CL	81°00'RT	HW/	X	X				42	78	.109	.105									6.4	21				42						15		24	II			FULL BEVELED STRAIGHT HEADWALL
SURV.	95+62	CL																									10											EXISTING 18'' CGMP - REMOVE
97+25	98+46	RT/RT																												23					36	I			SPECIAL DITCH W/ STONE FILL, TYPE I
98+50		CL		ES/	X	X				24	70	.064	.060			X			1								76						11		5	I	1		5 CY STONE FILL, TYPE I AT INLET
	TH #4																																		2	II		1	2 CY STONE FILL, TYPE II AT OUTLET
98+54	16+00	RT/LT																																250					SPECIAL DITCH W/ EROSION MATTING
99+05	99+76	LT/LT																									23											EXISTING 15'' ACCGMP - REMOVE
TH #4	- DODGE ROAD / AIRPORT ROAD																																						
14+50	15+48	LT/LT																																180					SPECIAL DITCH W/ EROSION MATTING
15+64		CL	65°00'RT																																		1	1	EXISTING 18'' CGMP - RETAIN. & REMOVE 14' (INLET)
21+47		CL																																					EXISTING 24''ACCGMP - REMOVE
21+47		CL		HW/	X	X	57	38	74				.135				.109					9.7	79						183	52	191	29	125		38	II			FULL BEVELED STRAIGHT HEADWALL
										18	86				.064	X																							
										18	56	.064	.060			X			1																				
										24	42				.064	X																							
										24	70	.064	.060			X			1																				
										36	80		.075			X	.079																						
										42	78	.109	.105									21	117				405	3	633	52	191	78	125	610	487	I	3	3	
							28	20	76						.064																			119	II				
TOTALS							57	38	74				.135				.109																						

GUARD RAIL

STA.	STA.	LT.	RT.	END TREATMENT 621.52 / MELT
STEEL BEAM GUARD RAIL				
REV.	REV.			
93+87.5	99+21.5	534		2
LT.	LT.			
TOTALS				

UNDERDRAIN

STA.	STA.	TYPE	POS.	D	L	TRENCH E	TRENCH R	GRAN BKF	FB		MKR PST
TH #5											
	REV										
75+50	80+40	U	RT/RT	6	490	295			1		1
		C	RT	6	12						
REV											
80+40		C	C/L	6	70	41					1
REV	REV										
80+50	83+30	U	RT/RT	6	280	170			1		1
		C	RT	6	12						
REV											
80+50		C	C/L	6	70	41					1
ESTIMATED		U		6	710	434			2		2
		C		6	76	42					2
TOTALS		U		6	1480	1023			4		8
		C		6	240						

PROJECT NAME BERLIN
PROJECT NUMBER MEGC-M6200(2)S

SHEET OF SHEETS

EARTHWORKS

STATE OF VERMONT
AGENCY OF TRANSPORTATION

V. C.	% GRADE	STATION	ELEVATION ON TANGENT	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.
	-1.4000%	TH #5 - SCOTT HILL ROAD												
		75+00	EXIST.		BEGIN APPROACH	0								
						50		32						
		75+50	EXIST.			34								
						50		70						
X		76+00			END APPROACH - BEGIN PROJECT MEGC-M6200(2)S									
		76+00	1183.17			42								
						50		76						
		+50	1182.47			40								
		+90	1181.91			50		67						
		77+00	1181.77			32					0			
		+14	1181.57			50		58				3		
		+50	1181.07			31					3			
		+70	1180.79			50		53				19		
													C-	673
		78+00	1180.37			26					18		F-	282
													F. FAC-	1.15
X		+10	1180.23	1180.23	-0.00								EX. C-	349
	60' VC SSD=1284	+35	1179.88	1179.85	-0.03	50		65				21		
X		+40	1179.81	1179.77	-0.04									
		+50	1179.62	1179.60	-0.02		44				5			
X		+70	1179.23	1179.23	-0.00									
		REVISED STATIONS												
						50		88				46		
		79+00	1178.65				51				45			
	-1.9300%	+06	1178.54			49.95		89				91		
		+49.95	1177.69				45				53			
X		+50	1177.69	1177.69	+0.00									
						49.83		75				102		
		+99.78	1176.73	1176.95	+0.22		36				57			
		80+00	1176.72	1176.95	+0.23									
		+44.49	1175.86	1176.67	+0.81	49.67		61				106		
		+49.45	1175.76	1176.66	+0.90		30				58			
		+50	1175.76	1176.67	+0.91									
						49.47		66				81		
		+98.92	1174.81	1176.92	+2.01		42				30			
		81+00	1174.79	1176.83	+2.04									
	380' VC K=55	+40	1174.02	1177.29	+3.27	49.21		62				36		
		+48.13	1174.42	1177.42	+3.00		26				9			
		+50	1174.52	1177.45	+2.93									
						48.86		36				22	C-	2898
		+96.99	1176.85	1178.45	+1.60		14				15		R-	1252
		82+00	1176.99	1178.52	+1.53								F-	324
						49.46		23				37	F. FAC-	1.15
		+46.45	1179.30	1179.93	+0.63		11				25		R. FAC-	.495
		+50	1179.47	1180.05	+0.58								EX. C-	3145
	+4.9534%					50.59		32				29		
		+97.04	1181.80	1181.90	+0.10		23				6			
		83+00	1181.95	1182.03	+0.08									
		+27.47	1183.31	1183.31	+0.00									
X		+30	1183.43	1183.43	+0.00	50.71		107				9		
		CARRIED FORWARD						387				320		
		COLUMN FOOTINGS						1060				602		

V. C.	% GRADE	STATION	ELEVATION ON TANGENT	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.
X		83+32	1183.53	1183.53	-0.00									
		+47.75	1184.31	1184.29	-0.02		91		0		4			
		+50	1184.42	1184.39	-0.03									
						50.70		433		193		4		
		+98.45	1186.82	1186.40	-0.42		370		206		0			
		84+00	1186.90	1186.46	-0.44									
						50.65		871		461				
		+49.10	1189.33	1188.02	-1.31		559		286					
		+50	1189.38	1188.05	-1.33									
						50.58		1207		598				
		+99.68	1191.83	1189.14	-2.69		730		352					
		85+00	1191.85	1189.15	-2.70									
	+4.9534%													
		+12.81	1192.49	1189.36	-3.13	50.44		1298		703				
		+50	1194.33	1189.78	-4.55									
		+50.12	1194.34	1189.78	-4.56		660		401					
						50.14		1082		557				
	SSD=263	86+00	1196.81	1189.93	-6.88									
		+00.26	1196.82	1189.93	-6.89		505		199					
X		+12	1197.40	1189.89	-7.51	50.02		775		184				
		+50	1195.21	1189.60	-5.61									
		+50.28	1195.19	1189.60	-5.59		332		0					
						50.05		541					C-	5719
		87+00	1192.32	1188.79	-3.53								R-	1444
		+00.33	1192.31	1188.79	-3.52		252						F-	4
						50.06		464					F. FAC-	1.15
		+50	1189.44	1187.51	-1.93								R. FAC-	.495
		+50.39	1189.41	1187.49	-1.92		248						EX. C-	6429
						50.06		446						
	-5.7706%	88+00	1186.55	1185.74	-0.81									
		+00.45	1186.52	1185.72	-0.80		233							
						50.07		451						
		+50	1183.67	1183.50	-0.17									
		+50.52	1183.63	1183.47	-0.16		260							
		+92	1181.24	1181.24	-0.00	50.07		384						
X		89+00	1180.78	1180.78	+0.00									
		+00.59	1180.75	1180.75	+0.00		161				0			
						50.08		199				1		
		+50	1177.90	1178.11	+0.21									
		+50.67	1177.86	1178.07	+0.21		54				1			
						50.09		79				3		
X		90+00	1175.01	1175.85	+0.84									
		+00.76	1174.99	1175.81	+0.82		31				2			
						50.10		32				6		
		+50	1173.80	1174.01	+0.21									
		+50.86	1173.78	1173.98	+0.20		4				4			
						50.12		7				7		
	-2.4300%	91+00	1172.58	1172.58	+0.00									
		+00.98	1172.56				3				4			
						50.20		7				7		
		+50	1171.37											
		+51.18	1171.34				5				3		C-	255
						50.23		18				6	F-	2340
		92+00	1170.15										F. FAC-	1.15
		+01.41	1170.12				14				3		EX. F-	2436
						50.23		34				6		
		+50	1168.94											
		+51.64	1168.90				23				3			
		+81.77	1168.16			50.22		66				3		
		93+00	1167.72											
		+01.86	1167.67				48				0			
		CARRIED FORWARD						164				35		
		COLUMN FOOTINGS						8394		2696		43		

V. C.	% GRADE	STATION	ELEVATION ON TANGENT	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.
	-2.4300%													
						50.22		68				21		
		93+50	1166.51											
		+52.08	1166.45					25				23		
						50.23		23				308		
		94+00	1165.29											
		+02.31	1165.23					0				308		
						50.16						854		
		+50	1164.08											
		+52.47	1164.02									611		
						50.10						1122		
		95+00	1162.86											
		+02.57	1162.80									618		
						50.04						1084		
		+50	1161.65											
		+52.61	1161.58					0				552		
						50.00		7				887		
		96+00	1160.43											
		+02.61	1160.37					8				406		
						50.00		47				616		
X		+50	1159.22	1159.22	+0.00									
		+52.61	1159.15	1159.15	+0.00			43				259		
						50.00		86				469		
	100' VC K=87	97+00	1158.00	1158.14	+0.14									
		+02.61	1157.97	1158.10	+0.13			50				247		
						20.00		28				189		
		+22.61	1157.71					26				262		
						30.01		14				287	C-	2611
		+50	1157.36	1157.36	+0.00								R-	84
		+52.62	1157.33					0				255	F-	4603
						50.49		21				432	F. FAC-	1.15
		98+00	1156.72										R. FAC-	.495
		+03.11	1156.68					22				207	EX. F-	2641
						50.37		187				301		
		+50	1156.08											
		+53.48	1156.03					179				116		
						50.26		676				223		
		99+00	1155.44											
		+03.74	1155.39					547		0		124		
						50.14		1333		81		115		
		+50	1154.79											
		+53.88	1154.74					889	BK	87		0		
								144	AHD	3				
		99+82.30	1154.38											
		REV 99+82.30 = SURVEY 99+78.40												
		EQ = +3.90'												
						50.02		212		3		0		
		99+78.40	1154.38											
		100+00	1154.10					85	BUTT	0	BUTT	0	BUTT	
		100+05.1		END PROJECT MEGC-M6200(2)S										
		CARRIED FORWARD						2702		84		6908		
		COLUMN FOOTINGS												

PROJECT NAME BERLIN
PROJECT NUMBER MEGC-M6200(2)S

DATE PLOTTED: 17-JUL-1997
SHEET 10 OF 73 SHEETS

EARTHWORKS

STATE OF VERMONT
AGENCY OF TRANSPORTATION

V.C.	% GRADE	STATION	GRADES: ELEVATION ON TANGENT	GRADES: ELEVATION ON CURVES	GRADES: CORR V.C.	GRADES: 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.		
		TH #4 - DODGE ROAD / AIRPORT ROAD												
		13+50	EXIST.											
		14+00		BEGIN APPROACH									C-	32
		14+00					0				0		F-	11
						50		3				3	F. FAC	-1.15
		+50					3				3		EX. C-	19
						50		29				8		
		15+00					28				6			
						50		69				7		
		+50					47				2			
						50		56				5		
		16+00					13				3			
						50		25				8		
		+50					14				6			
						50		26				12		
		17+00					14	BK			7			
							12	AHD						
													C-	657
						50		22				7	F-	70
		+50					12				1		F. FAC	-1.15
						50		13				2	EX. C-	576
		18+00					2	BK			1			
							116	AHD						
						50		214				1		
		+50					115				0			
						50		169				4		
		19+00					68				4			
						50		63				10		
		+50					0				7			
						50		0				14		
		20+00									8			
						50						23		
		+50									17			
						50						27	C-	0
		21+00									12		F-	148
						50						51	F. FAC	-1.15
		+50									43		EX. F-	170
						50						42		
		22+00									2			
						50						4		
		+50									2			
						25						1		
		+75									0			
		22+75		END APPROACH										
		CARRIED FORWARD												
		COLUMN FOOTINGS						689				229		

V.C.	% GRADE	STATION	GRADES: ELEVATION ON TANGENT	GRADES: ELEVATION ON CURVES	GRADES: CORR V.C.	GRADES: 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.		
		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
TH #5								
	REVISED							
75+00	80+00	673	0	282	349		349	
80+00	85+00	2898	1252	324	3145		3494	
85+00	90+00	5719	1444	4	6429		9923	
90+00	95+00	255	0	2340		2436	7487	
95+00	100+00	2611	84	4603		2641	4846	
		-------	-------	-------			------	
TOTAL	TH# 5	12156	2780	7553			4846	
TH #4								
14+00	15+00	32	0	11	19		4865	
15+00	20+00	657	0	70	576		5441	
20+00	22+75	0	0	148		170	5271	
		-------	-------	-------			------	
TOTAL	TH# 4	689	0	229			5271	
		-------	-------	-------			------	
SUBTOTAL		12845	2780	7782			5271	
DRIVES		963		146	817		6088	
		-------	-------	-------			------	
TOTAL		13808	2780	7928			6088	

SHEET NO.	COL. NO.	SUMMARY BY COLUMNS: EXCAVATION TOTAL CY	EXCAVATION ROCK CY	EMBANKMENT CY
E1	1	1060	0	602
	2	8394	2696	43
	3	2702	84	6908
E2	1	689	0	229
		-------	-------	-------
TOTAL		12845	2780	7782

REMARKS

EARTH AND ROCK EXCAVATION	13808
SOLID ROCK EXCAVATION	2780
EARTH EXCAVATION	11028
PLANIMETERED FILL	7928
LESS FACTORED SOLID ROCK (.495)	3924
LESS DISPLACEMENT OF ANY LARGE STRUCTURES	
NET PLANIMETERED FILL +330 GRUBBING MAT.	4334
FACTOR (0.15 X 4334)	650
PLANIMETERED FILL INCLUDING FACTOR	4984
MATERIALS AVAILABLE FOR FILLS	
EARTH EXCAVATION	11028
CHANNEL EXCAVATION	55
UNDERDRAIN EXCAVATION	0
STRUCTURE EXCAVATION	195
TOTAL MATERIAL AVAILABLE FOR FILL	11278
TOTAL FILL INCLUDING FACTOR	4984
TOTAL MATERIAL FOR FILL	
BORROW	
EXCESS EXCAVATION	6294

PROJECT NAME: BERLIN
PROJECT NUMBER: MEGC-M6200(2)S

DATE PLOTTED: 17-JUL-1997
SHEET 11 OF 73 SHEETS

END

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

TABLE OF PROJECT PROPERTY ACQUISITION

PARCEL NO.	GRANTOR	SHEET NO.	BEGINNING STATION	ENDING STATION	TAKING	REM.	RIGHTS			TITLE TAKEN	DATE	TOWN OR CITY RECORDED	BK.	PG.	REMARKS
1	SMITH, HOWARD C. & CHARLENE V.	11	74+98 RT. 75+06 RT. 75+06 RT. 75+50 RT. 76+67 RT.	76+82 RT. 76+83 RT. 76+83 RT. 76+83 RT.			DRIVE CONST. SLOPE DITCH	(T) (T) (P) (P)	0.02A± 0.04A± 0.02A±	WDOE	12-03-92	BERLIN	65	325	13' GRAVEL 875 S.F.± 1574 S.F.± 695 S.F.± FENCE
2	PERRIN, HENRY E., II	11	75+75 LT. 75+86 LT. 75+00 LT.	77+37 LT. 77+37 LT. 77+37 LT.			CONST. SLOPE	(T) (T)	0.02A± 0.01A±	AGREE.		BERLIN			825 S.F.± 385 S.F.± FENCE
3	ILLUZZI, FRANK	11	76+82 RT.	76+98 RT.			DITCH	(P)	0.01A±	WDOE	01-07-94	BERLIN	68	239-241	94 S.F.±
	ILLUZZI, JOSEPH ILLUZZI, VINCENT		76+92 RT. 77+21 RT. 77+10 RT. 77+29 RT. 76+82 RT. 76+82 RT. 77+18 RT. 77+18 RT.	77+26 RT. 77+33 RT. 77+33 RT. 76+98 RT. 77+03 RT. 77+32 RT. 77+33 RT.			CULVERT DITCH DRIVE CULVERT CONST. SLOPE CONST. SLOPE	(P) (P) (T) (P) (T) (T) (T) (T)	0.01A± 0.01A± 0.01A± 0.01A±						70 S.F.± 16' GRAVEL 81 S.F.± 187 S.F.± 50 S.F.± 122 S.F.±
4	MITCHELL, SCOTT W. BROWN, LAURIE E.	11	77+37 LT. 77+85 LT. 78+00 LT. 78+54 LT.	77+50 LT. 78+88 LT. 79+06 LT.			SLOPE DRIVE INSTALL SLOPE	(T) (T) (T) (T)	0.01A± 0.01A±	TUF	06-24-93				25 S.F.± 24' CRUSHED SLATE SILT FENCE 444 S.F.±
4A		11	77+76 LT. 78+00 LT. 78+00 LT.	79+06 LT. 79+06 LT.			SLOPE INSTALL REMOVE & REPLANT	(T) (T) (T)	0.05A±	REL.		BERLIN			2044 S.F.± SILT FENCE HONEYSUCKLE BUSH
5	DION, NORMAN M. & PENNY R.	12	REV. 81+05 RT. REV. 81+15 RT. REV. 81+25 RT. REV. 83+40 RT. REV. 84+66 RT. REV. 84+83 RT. REV. 84+91 RT. REV. 84+96 RT. REV. 85+22 RT.	REV. 84+65 RT. REV. 84+77 RT. REV. 84+53 RT. REV. 84+75 RT. 85+52 RT. 85+48 RT. REV. 85+37 RT.			DITCH SLOPE CONST. REMOVE & RESET DRIVE SLOPE CONST. EASE. TO REMOVE	(P) (P) (T) (T) (T) (P) (T) (T)	0.05A± 0.09A± 0.04A± 0.04A± 0.01A±	WDOE	06-06-94	BERLIN	69	254-255	1974 S.F.± 3848 S.F.± 1567 S.F.± STONE WALL POWER METER & UNDERGROUND POWERLINE 16' GRAVEL 1735 S.F.± 135 S.F.± FENCE
5A			REV 84+53 RT.				EASEMENT TO REVISE SLOPES	(T)							

REVISION NO.	SHEET	DESCRIPTION OF REVISION	DATE	MADE BY	APPROVED BY
1	10,13	PARCEL NO. 7 DODGE. REMOVE EASE. (T) FROM LAYOUT AT 88+70 RT. REMOVE DRAINAGE (P) AT 95+63 RT. FROM DETAIL SHEET. PER C.O. 8161.	01-27-92	C.C.P.	L.W.B.
2	8,11	PARCEL NO. 3 ILLUZI ETAL. EXTEND LIMITS OF DRIVE AT STA. 77+00 RT. SPLIT CONST. (T) AT 76+82 RT. TO 77+32 RT. INTO TWO EASEMENTS; ONE AT 76+82 RT. TO 76+88 RT. (30 S.F.±); AND ONE AT 77+12 RT. TO 77+32 RT. (95 S.F.±). PER C.O. 8183.	01-27-92	C.C.P.	L.W.B.
3	8,12 13	PARCEL NO. 5 BLOW. SWING SOUTHERLY END OF DRIVE AT REV. 85+69 RT. WESTERLY APPROXIMATELY 10 FEET. PER C.O. 8152.	01-27-92	C.C.P.	L.W.B.
4	8,11 12,13	PARCEL NO. 5 BLOW. REDUCE RIGHTS DUE TO SELLOFFS OF LOT #1 AND LOT #3. PER C.O. 8184.	01-27-92	C.C.P.	L.W.B.
5	10,12 13	PARCEL NO. 10 CYR. ADD NEW PARCEL AND RIGHTS; FORMERLY PARCEL NO. 5, LOT #1. PER C.O. 8185.	01-27-92	C.C.P.	L.W.B.
6	10,11 12	PARCEL NO. 11 LEMANSKI. ADD NEW PARCEL AND RIGHTS; FORMERLY PARCEL NO. 5, LOT #3. PER C.O. 8186.	01-27-92	C.C.P.	L.W.B.
7	1,17	CHANGE END OF R.O.W. PROJECT TO 22+35 RT. PER C.O. 8239.	07-15-92	M.J.R.	L.W.B.
8	8	PARCEL NO. 1 SMITH. CHANGE STA. ON DETAIL SHEET FOR DRIVE (T) FROM 74+94 RT. TO 74+98 RT. PER C.O. 8240.	07-15-92	M.J.R.	L.W.B.
9	9	PARCEL NO. 6 STATE OF VERMONT. ADD SLOPE (T) TO DETAIL SHEET. STA. 90+20 LT. ~ 91+15 LT.; 0.01A±, 240 S.F.± PER C.O. 8242.	07-15-92	M.J.R	L.W.B.
10	10,17	PARCEL NO. 7 DODGE. ADD THE FOLLOWING RIGHT TO PARCEL 7A ON DETAIL SHEET. CONST. (T) AT REV. 95+35 RT. ~ REV. 96+00 RT.; 0.01A±, 320 S.F.± CHANGE THE ENDING STA. OF CONST. (T) AND SLOPE (T) ON PARCEL 7B FROM 23+65 RT. TO 22+35 RT. PER C.O. 8243.	07-15-92	M.J.R.	L.W.B.
11	10	PARCEL NO. 10 CYR. CHANGE BEGINNING STA. OF EASE TO REMOVE (T) FOR FENCE FROM 86+36 TO 85+36. PER C.O. 8244.	07-15-92	M.J.R.	L.W.B.

6200002 1805 87E055

ACCT.root
/prop/87e055/re055cd.dgn
DATE PLOTTED 17-JUL-1997
/prop/87e055/re055cdl.i

DR.(P)- DRAINAGE RIGHT
DIT.(P)- DITCHING RIGHT
CH.(P)- CHANNEL RT.
DRIVE (T)- DRIVE RIGHT
CUL.(P)- CULVERT RIGHT
[W]- WATER SOURCES

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

LEGEND
CZ (P) CLEAR ZONE
CONST.(T) CONSTRUCTION EASEMENT
SR SR SLOPE RIGHTS
PROPERTY LINE
TOP OF CUT
TOE OF SLOPE

REVISED 02-15-96

APPROVED: LAWRENCE BLISS, L.S. DATE: 10-21-91
AGENT D, PLANS & TITLES

R.O.W. PLANS

BERLIN
MEGC M 6200(2)S
R.O.W. SHEET 8 OF 17 SHEETS
SHEET 12 OF 73

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

TABLE OF PROJECT PROPERTY ACQUISITION

PARCEL NO.	GRANTOR	SHEET NO.	BEGINNING STATION	ENDING STATION	TAKING	REM.	RIGHTS			TITLE TAKEN	DATE	TOWN OR CITY RECORDED	BK.	PG.	REMARKS
6A	STATE OF VERMONT	15	REV. 98+40 LT.	REV. TH 4 16+09 LT.	0.35A±					QC		BERLIN			
6B		11,12, 13,14, 15,17	REV. 79+06 LT.	REV. 81+40 LT.			SLOPE	(T)	0.08A±						3311 S.F.±
			REV. 78+88 LT.	REV. 80+03 LT.			INSTALL	(T)							SILT FENCE
			REV. 79+86 LT.	REV. 81+17 LT.			CONST.	(T)	0.03A±						1555 S.F.±
			REV. 80+90 LT.	REV. 82+96 LT.			INSTALL	(T)							SILT FENCE
			REV. 80+45 LT.				CULVERT	(P)							
			REV. 80+30 LT.	REV. 80+50 LT.			DITCH	(P)	0.01A±						350 S.F.±
			REV. 80+34 LT.				DRAINAGE	(P)							
			REV. 82+57 LT.	REV. 93+65 LT.			CONST.	(T)	0.25A±						
			REV. 82+08 LT.	REV. 82+79 LT.			SLOPE	(T)	0.01A±						350 S.F.±
			REV. 82+96 LT.	REV. 89+75 LT.			SLOPE	(P)	0.21A±						
			REV. 83+00 LT.	REV. 83+75 LT.			DITCH	(P)	0.01A±						215 S.F.±
			REV. 86+50 LT.	REV. 88+80 LT.			DITCH	(P)	0.01A±						225 S.F.±
			REV. 87+81 LT.	REV. 88+01 LT.			REMOVE	(T)							FENCE & NAVIGATION BOX - PERSONAL PROPERTY
			REV. 88+36 LT.				EASE.	(T)							REMOVE FENCE
			REV. 90+20 LT.	REV. 91+15 LT.			SLOPE	(T)	0.01A±						240 S.F.±
			REV. 90+75 LT.				CULVERT	(P)							
			REV. 90+68 LT.	REV. 90+78 LT.			DITCH	(P)	0.01A±						115 S.F.±
			REV. 90+72 LT.				DRAINAGE	(P)							
			REV. 91+62 LT.	REV. 98+45 LT.			SLOPE	(T)	0.39A±						
			REV. 93+25 LT.	REV. 95+35 LT.			INSTALL	(T)							SILT FENCE
			REV. 95+55 LT.	REV. 98+37 LT.			INSTALL	(T)							SILT FENCE
			REV. 95+23 LT.	REV. 96+03 LT.			CONST.	(T)	0.01A±						620 S.F.±
			REV. 95+35 LT.	REV. 95+58 LT.			DITCH	(P)	0.01A±						275 S.F.±
			REV. 95+41 LT.				DRAINAGE	(P)							
			REV. 95+47 LT.	REV. 95+60 LT.			CULVERT	(P)							
			REV. 98+03 LT.	REV. 98+80 LT.			CONST.	(T)	0.01A±						500 S.F.±
			REV. 98+50 LT.				CULVERT & DRAINAGE	(P)							
			REV. 98+46 LT.	REV. 98+54 LT.			DITCH	(P)	0.01A±						135 S.F.±
			TH 4 18+69 LT.	TH 4 19+12 LT.			CONST.	(T)	0.01A±						700 S.F.±
			TH 4 18+76 LT.	TH 4 18+99 LT.			SLOPE	(T)	0.01A±						250 S.F.±
			TH 4 19+15 LT.	TH 4 19+46 LT.			INSTALL	(T)							SILT FENCE
			TH 4 20+15 LT.	TH 4 21+95 LT.			INSTALL	(T)							SILT FENCE
			TH 4 20+50 LT.	TH 4 21+88 LT.			SLOPE	(T)	0.02A±						900 S.F.±
			TH 4 21+47 LT.				CULVERT	(P)							
			TH 4 21+40 LT.	TH 4 21+55 LT.			DITCH	(P)	0.01A±						250 S.F.±
6C	STATE OF VERMONT	13	REV. 86+56 RT.	REV. 88+53 RT.			SLOPE	(P)	0.07A±						3239 S.F.±
			REV. 86+87 RT.	REV. 88+54 RT.			CONST.	(T)	0.02A±						810 S.F.±
			REV. 86+62 RT.				EASE.	(T)							REMOVE FENCE
			REV. 86+57 RT.	REV. 88+50 RT.			DITCH	(P)	0.01A±						120 S.F.±
6D			79+06 LT.	REV. 80+00 LT.	0.04A±		SLOPE	(T)	0.04A±						
			79+06 LT.	REV. 80+40 LT.			INSTALL	(T)							SILT FENCE

REVISION NO.	SHEET	DESCRIPTION OF REVISION	DATE	MADE BY	APPROVED BY
12	10	PARCEL NO. 11 LEMANSKI. CHANGE THE FOLLOWING ON THE DETAIL SHEET: SLOPE (T) AT REV. 79+08 RT. ~ REV. 81+27 RT. SHOULD BE SLOPE (P). DITCH (P) AT REV. 80+45 RT. SHOULD BE CULVERT & DITCH (P). PER C.O. 8245.	07-15-92	M.J.R.	L.W.B.
13	11	PARCEL NO. 3 ILLUZI. CHANGE FENCE NOTES TO AGREE WITH DRIVE. STA. 76+67 RT. ~ STA. 77+32 RT. PER C.O. 8241.	07-20-92	M.J.R.	L.W.B.
14	8,12	PARCEL NO. 5 BLOW. CHANGE TITLE TO : DION, NORMAN M. PER C.O. 8261.	10-16-92	M.J.R.	L.W.B.
15	8,11	PARCEL NO. 4 MIER. CHANGE TITLE TO MITCHELL, SCOTT W. & BROWN, LAURIE E. CHANGE LOCATION OF PROPERTY LINE. CHANGE ENDING STA. OF SLOPE (T) FROM 78+88 LT. TO 79+06 LT., 444 S.F.±. PER C.O. 8338.	04-26-93	M.J.R.	L.W.B.
	9	PARCEL NO. 6B. STATE OF VERMONT. CHANGE BEGINNING STA. OF SLOPE (T) FROM 78+88 LT. TO 79+06 LT.. 3311 S.F.± PER C.O. 8338.	04-26-93	M.J.R.	L.W.B.
16	10,13 15	PARCEL NO. 7 DODGE. ADD DRIVE DESIGN TOPO AND ASSOCIATED RIGHT AT STA. REV. 90+00 RT.±. CHANGE DITCH (P) AT REV. 88+50 RT. ~ 90+79 RT. TO REV. 88+48 RT. ~ REV. 89+85 RT.; 0.01A±, 547 S.F.±. ADD CULVERT (P) AT REV. 89+84 RT. ~ REV. 90+22 RT. AND DITCH (P) AT STA. REV. 90+21 RT. ~ REV. 90+79 RT.; 0.01A±, 500 S.F.±. MARK "SAVE" ON 14" APPLE TREE AT STA. REV. 98+67 RT.±. REMOVE NOTE FOR BARB WIRE FENCE - FOUR STRAND. PER C.O. 8340.	04-30-93	C.C.P.	L.W.B.
17	8,12	PARCEL NO. 5 DION. RELOCATE DRIVE DESIGN FROM 83+75 RT. TO REV. 84+83 RT. CHANGE ENDING STA. OF DITCH (P) FROM REV. 83+53 RT. TO REV. 84+65 RT.; 0.05A±, 1974 S.F.± CHANGE SLOPE (P) FROM REV. 81+17 RT. ~ REV. 83+67 RT. TO REV. 81+15 RT. ~ REV. 83+75 RT., 0.09A±, 3848 S.F.±. CHANGE CONST. (T) AT REV. 81+27 RT. ~ REV. 84+77 RT. TO REV. 81+25 RT. ~ REV. 84+53 RT., 0.04A±, 1567 S.F.±. REMOVE CULVERT (T). CHANGE SLOPE (P) AT STA. REV. 83+83 RT. ~ 85+38 RT. TO REV. 84+91 RT. ~ 85+52 RT.; 0.04A±; 1735 S.F.±. ADD CONST. (T) AT STA. REV. 84+96 RT. ~ 85+48 RT.; 0.01A±; 135 S.F.±. PER C.O. 8281.	04-30-93	C.C.P.	L.W.B.

6200002 1805 87E055

ACCT.root
/prop/87e055/re055cd.dgn
DATE PLOTTED 17-JUL-1997
/prop/87e055/re055cd2.i

DR. (P)- DRAINAGE RIGHT
DIT. (P)- DITCHING RIGHT
CH. (P)- CHANNEL RT.
DRIVE (T)- DRIVE RIGHT
CUL. (P)- CULVERT RIGHT
[W]- WATER SOURCES

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

LEGEND
CZ (P) CLEAR ZONE
CONST. (T) CONSTRUCTION EASEMENT
SR SR SLOPE RIGHTS
P PROPERTY LINE
L TOP OF CUT
TOE OF SLOPE

REVISED 02-15-96

APPROVED: LAWRENCE BLISS, L.S. DATE: 10-21-91
AGENT D. PLANS & TITLES

R.O.W. PLANS

BERLIN
MEGC M 6200(2)S
R.O.W. SHEET 9 OF 17 SHEETS
SHEET 13 OF 73

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

TABLE OF PROJECT PROPERTY ACQUISITION

PARCEL NO.	GRANTOR	SHEET NO.	BEGINNING STATION	ENDING STATION	TAKING	REM.	RIGHTS			TITLE TAKEN	DATE	TOWN OR CITY RECORDED	BK.	PG.	REMARKS
7A	DODGE, GEORGE H.	13,14 15,16	REV. 88+48 RT.	REV. 89+85 RT.			DITCH	(P)	0.01A±	WDOE	06-30-93	BERLIN	67	26-27	547 S.F.±
			REV. 88+54 RT.	REV. 90+99 RT.			SLOPE	(T)	0.07A±						3080 S.F.±
			REV. 89+84 RT.	REV. 90+22 RT.			CULVERT	(P)							
			REV. 90+00 RT.±				DRIVE	(T)							12' GRAVEL
			REV. 90+21 RT.	REV. 90+79 RT.			DITCH	(P)	0.01A±						500 S.F.±
			REV. 90+75 RT.				CULVERT	(P)							
			REV. 88+54 RT.	REV. 94+00 RT.			CONST.	(T)	0.06A±						2730 S.F.±
			REV. 91+20 RT.	REV. 97+57 RT.			SLOPE	(T)	0.16A±						
			REV. 95+35 RT.	REV. 96+00 RT.			CONST.	(T)	0.01A±						320 S.F.±
			REV. 95+56 RT.	REV. 95+72 RT.			DITCH	(P)	0.01A±						130 S.F.±
			REV. 95+60 RT.	REV. 95+65 RT.			CULVERT	(P)							
			REV. 97+25 RT.	REV. 98+25 RT.			DITCH	(P)	0.02A±						760 S.F.±
			REV. 98+02 RT.	REV. 98+34 RT.			SLOPE	(T)	0.01A±						44 S.F.±
			REV. 93+75 RT.	REV. 97+25 RT.			INSTALL	(T)							SILT FENCE
			REV. TH 4 15+65 LT.				DRIVE	(T)							20' GRAVEL
			REV. TH 4 14+40 LT.	REV. TH 4 15+50 LT.			CONST.	(T)	0.02A±						1150 S.F.±
			REV. TH 4 14+65 LT.	REV. TH 4 15+52 LT.			SLOPE	(T)							400 S.F.±
			REV. TH 4 15+42 LT.				EASE.	(T)							RELOCATE UNDERGROUND TELEPHONE
7B		15,16, 17	REV. TH 4 14+18 RT.	REV. TH 4 17+20 RT.			CONST.	(T)	0.04A±						1655 S.F.±
			REV. TH 4 14+37 RT.	REV. TH 4 15+84 RT.			SLOPE	(T)	0.01A±						350 S.F.±
			TH 4 19+05 RT.	TH 4 22+35 RT.			CONST.	(T)	0.05A±						2275 S.F.±
			TH 4 19+23 RT.	TH 4 22+35 RT.			SLOPE	(T)	0.05A±						2190 S.F.±
			TH 4 21+40 RT.	TH 4 21+55 RT.			DITCH	(P)	0.01A±						280 S.F.±
			TH 4 21+47 RT.				CUL. & DRAINAGE	(P)							
8	GREEN MOUNTAIN POWER CORPORATION														UTILITY
9	NEW ENGLAND TELLPHONE COMPANY														UTILITY
10	CYR, ROMEO J. & VALERIE D.	12,13	REV. 85+78 RT.				DRIVE	(T)		WDOE	06-22-94	BERLIN	69	309	16' GRAVEL
			REV. 85+36 RT.	REV. 86+62 RT.			EASE. TO REMOVE	(T)							FENCE
			REV. 86+00 RT.	REV. 86+86 RT.			SLOPE	(P)	0.03A±						1440 S.F.±
			REV. 86+00 RT.	REV. 86+94 RT.			CONST.	(T)	0.01A±						460 S.F.±
			REV. 86+08 RT.	REV. 86+60 RT.			TURNAROUND	(T)							
			REV. 86+50 RT.	REV. 86+57 RT.			DITCH	(P)	0.01A±						7 S.F.±
11	LEMANSKI, THOMAS A. & LINDA J.	11,12	77+33 RT.	77+67 RT.			CULVERT	(P)		WDOE	04-08-93	BERLIN	66	273-274	
			77+50 RT.				DRIVE	(T)							16' GRAVEL
			77+55 RT.	REV. 79+51 RT.			SLOPE	(P)	0.04A±						1911 S.F.±
			77+63 RT.	REV. 81+33 RT.			CONST.	(T)	0.05A±						2225 S.F.±
			77+33 RT.	77+36 RT.			DITCH	(P)	0.01A±						12 S.F.±
			77+66 RT.	REV. 79+40 RT.			DITCH	(P)	0.02A±						1081 S.F.±
			79+38 RT.	REV. 79+83 RT.			CULVERT	(P)							
			REV. 79+59 RT.				DRIVE	(T)							16' GRAVEL
			REV. 79+65 RT.	REV. 81+27 RT.			SLOPE	(P)	0.03A±						1282 S.F.±
			REV. 79+82 RT.	REV. 81+17 RT.			DITCH	(P)	0.04A±						1548 S.F.±
			REV. 80+45 RT.				CULVERT & DITCH	(P)							

REVISION NO.	SHEET	DESCRIPTION OF REVISION	DATE	MADE BY	APPROVED BY
18	8,11	PARCEL NO. 3 ILLUZZI. RELOCATE DRIVE DESIGN AND RIGHT FROM STA. 77+00 RT. TO STA. 77+10 RT. CHANGE BEGINNING STA. OF CULVERT (P) FROM STA. 76+82 RT. TO 76+85 RT. CHANGE ENDING STA. OF CONST. (T) FROM 76+88 RT. TO 76+94 RT.; 61 S.F.±. CHANGE ENDING STA. OF SLOPE (T) FROM 76+92 RT. TO 76+98 RT.; 154 S.F.±. CHANGE BEGINNING STA. OF CONST. (T) FROM 77+12 RT. TO 77+17 RT.; 70 S.F.±. CHANGE BEGINNING STA. OF SLOPE (T) FROM 77+08 RT. TO 77+14 RT.; 153 S.F.±. PER C.O. 8345.	04-30-93	M.J.R.	L.W.B.
19	10,11	PARCEL NO. 11 LEMANSKI. CREATE PARCEL 11A, CONSISTING OF DRIVE (T) AT STA. 79+59 RT. DITCH (P) AT STA. 77+66 RT. ~ REV. 79+40 RT.; 0.02A±, 1081 S.F.±. CULVERT (P) AT STA REV. 79+38 RT. ~ REV. 79+83 RT. DITCH (P) AT STA. REV. 79+82 RT. ~ REV. 81+17 RT.; 0.04A±, 1548 S.F.±. THESE RIGHTS WILL BE ACQUIRED THROUGH A RELEASE. PER C.O. 8369.	05-03-93	M.J.R.	L.W.B.
20	8,11	PARCEL NO. 1 SMITH. REMOVE CULVERT (P) AT STA. 76+82 RT. PER C.O. 8374.	05-06-93	C.C.P.	L.W.B.
21	10,11 12	PARCEL NO. 11 LEMANSKI. DELETE CO NO. 8369. ADD AND CHANGE SLOPES , CUL. DITCH & DRIVE RTS TO BE PUT IN CORECTIVE DEED. PER CO. 8376.	05-13-93	L.W.B.	C.C.P.
22	12,13	PARCEL NO. 10 CYR. RELOCATE DRIVE AT STA. 85+50 RT. SO DRIVE SLOPES DO NOT ENCROACH ON DION PROPERTY. PER C.O. 8361.	05-24-93	M.J.R.	L.W.B.
23	8,11	PARCEL NO. 3 ILLUZZI. CHANGE THE BEG. STA., ENDING STA. AND SQUARE FEET FOR SEVEN OF THE NINE RIGHTS. PER C.O. 8381.	05-25-93	M.J.R.	L.W.B.
24	8,12	PARCEL NO. 5 DION. ADD PENNY R. DION TO TITLE. PER C.O. 8386.	06-28-93	C.C.P.	L.W.B.
25	8,11	PARCEL NO. 4 MITCHELL & BROWN. CHANGE DRIVE (T) AT STA. 77+75 LT., 18, GRAVEL TO STA. 77+85 LT., 24' CRUSHED SLATE. PER C.O. 8408.	07-19-93	M.J.R.	L.W.B.
26	10,12 13	PARCEL NO. 10 CYR. MOVE PROPOSED DRIVE AT STATION REV. 85+50 RT. TO STATION REV. 85+78 RT. ALSO REVISE TOPO OF EXISTING DRIVE DUE TO ERROR. PER C.O. 8417.	08-24-93	C.C.P.	L.W.B.
27	8,12	PARCEL NO. 5 DION. ADD REMOVE & RESET (T) FOR POWER METER & UNDERGROUND POWERLINE AT STA. REV. 84+66 RT. PER C.O. 8433.	09-14-93	C.C.P.	L.W.B.

6200002 1805 87E055

ACCT.root
/prop/87e055/re055cd.dgn
DATE PLOTTED 17-JUL-1997
/prop/87e055/re055cd3.i

DR.(P)- DRAINAGE RIGHT
DIT.(P)- DITCHING RIGHT
CH.(P)- CHANNEL RT.
DRIVE (T)- DRIVE RIGHT
CUL.(P)- CULVERT RIGHT
[W]- WATER SOURCES

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

LEGEND
CZ (P) CLEAR ZONE
CONST. (T) CONSTRUCTION EASEMENT
SR SR SLOPE RIGHTS
P PROPERTY LINE
L
TOP OF CUT
TOE OF SLOPE

REVISED 02-15-96

APPROVED: LAWRENCE BLISS, L.S. DATE: 10-21-91
AGENT D, PLANS & TITLES

R. O. W. PLANS

BERLIN
MEGC M 6200(2)S
R.O.W. SHEET 10 OF 17 SHEETS
SHEET 14 OF 73

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

TABLE OF PROJECT PROPERTY ACQUISITION

PARCEL NO.	GRANTOR	SHEET NO.	BEGINNING STATION	ENDING STATION	TAKING	REM.	RIGHTS	TITLE TAKEN	DATE	TOWN OR CITY RECORDED	BK.	PG.	REMARKS

REVISION NO.	SHEET	DESCRIPTION OF REVISION	DATE	MADE BY	APPROVED BY
28	10,12 13	PARCEL NO. 10 CYR. ADD NEWLY DESIGNED TURNAROUND AND RIGHTS AT REV. 86+08 RT. ~ REV. 86+60 RT. PER C.O. 8568.	06-13-94	M. J. R.	L. W. B.
29	8.11	PARCEL NO. 4 BROWN & MITCHELL. ADD PARCEL 4A. CONSISTING OF SLOPE (T) AT STA. 77+76 LT. ~ 79+06 LT., 0.05A±. INSTALL (T) AT STA. 78+00 LT. ~ 79+06 LT. SILT FENCE; REMOVE & REPLANT (T) AT STA. 78+00 LT. FOR HONEYSUCKLE BUSH. PER C.O. 8733.	11-03-95	M. J. R.	L. W. B.
30	9.11 12	PARCEL NO. 6 STATE OF VERMONT. ADD SLOPE (T) AT STA. 79+06 LT. ~ REV. 80+00 LT., 0.04A±. ADD INSTALL (T) AT STA. 79+06 LT. ~ REV. 80+40 LT., FOR SILT FENCE. PER C.O. 8732.	11-03-95	M. J. R.	L. W. B.
31	8.12	PARCEL NO. 5A DION. ADD PARCEL 5A. REVISE DRIVE SLOPES AND ADD RIGHT TO REVISE DRIVE SLOPES FOR DRIVE AT 84+83 RT. PER C.O. 8791 REPRODUCIBLES TO DESIGN 05-14-97 REPRODUCIBLES TO DESIGN 05-22-97	02-16-96	P. J. H.	L. W. B.

6200002 1805 87E055

ACCT.root
/prop/87e055/re055cd.dgn
DATE PLOTTED 17-JUL-1997
/prop/87e055/re055cd4.i

DR. (P)- DRAINAGE RIGHT
DIT. (P)- DITCHING RIGHT
CH. (P)- CHANNEL RT.
DRIVE (T)- DRIVE RIGHT
CUL. (P)- CULVERT RIGHT
[W]- WATER SOURCES

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

LEGEND
CZ (P) CLEAR ZONE
CONST. (T) CONSTRUCTION EASEMENT
SR SR SLOPE RIGHTS
P PROPERTY LINE
L
TOP OF CUT
TOE OF SLOPE

REVISED 02-15-96

APPROVED: LAWRENCE BLISS, L.S. DATE: 10-21-91
AGENT D, PLANS & TITLES

R. O. W. PLANS

BERLIN
MEGC M 6200(2)S
R. O. W. SHEET 10A OF 17 SHEETS
SHEET 15 OF 73

GEOTEXTILE FABRIC FOR SILT FENCE
78+00 LT. ~ REV. 80+00 LT.

SF SILT FENCE

REMOVAL OF EXISTING FENCE

	LT.	RT.
75+00 ~ 77+37 (NON PART.) (238 LF)		76+67 ~ 76+92 (25 LF)
		77+09 ~ 77+27 (24 LF)
		77+32 ~ 77+33 (4 LF)

BARB WIRE FENCE - FOUR STRAND

	LT.	RT.
75+00 ~ 77+37 (238 LF)		76+67 ~ 76+98 (31 LF)
		77+15 ~ 77+32 (35 LF)

RELOCATE MAILBOX, SINGLE SUPPORT

LT.	RT.
77+53	75+18
	79+70

CONSTRUCT MAILBOX TURNOUT

LT.	RT.
77+62	75+18
	REV. 79+78

CONSTRUCT DRIVE

LT.	RT.
77+85 CRUSHED SLATE. 24 FT	74+98 GRAVEL. 13 FT
	77+10 GRAVEL. 16 FT
	77+50 GRAVEL. 16 FT
	REV. 79+59 CRUSHED SLATE. 12 FT

CONSTRUCT SPECIAL DITCH W/EROSION MATTING
78+00 LT. ~ REV. 80+00 LT.

75+00
BEGIN APPROACH

76+00
END APPROACH
BEGIN PROJECT MEGC-M6200(2)S
BEGIN SUBBASE SHIM COURSE

BM 1203-87-02
CHIS. □ IN BO.
EL. 1179.91

PERRIN, HENRY E., II
2

POT 75+66.00

SMITH, HOWARD C. & CHARLENE V.
1

MITCHELL, SCOTT W.
BROWN, LAURIE E.
4

1 S.W.F. HOUSE

STATE OF VERMONT
6B

VT. STATE PLANE GRID

ILLUZI, FRANK
ILLUZI, JOSEPH
ILLUZI, VINCENT
3

LEMANSKI, THOMAS A. & LINDA J.
11

N/F PRATT

TO BERLIN CORNERS

T.H. #5

S 70°-40'-22" E

95°- 00'

REV. CURVE #1
Δ = 31°-45'-00" RT.
D = 11°-30'-00"
R = 498.224
T = 141.69
L = 276.09
E = 19.76
BANK = - - - - - -

30' ROW

SURVEY LINE

REVISED LINE

MATCH L INE

TO SHEET 12 OF 17

REV PC 78+81.07
PC 78+88.20

BM 1203-87-01
REBAR IN LAWN
EL. 1185.00

BEGIN R. O. W. PROJECT
MEGC M 6200(2) S STA. 74+98 25' RT.

75+50 RT. ~ 76+98 RT.
SPECIAL DITCH W/ STONE FILL, TYPE I

76+90 RT. ~ 77+16 RT. EXISTING 15" ACCOMP - REMOVE

77+10 RT.
NEW 28" X 20" X 34" CSPA .064

77+21 RT. ~ 77+35 RT.
SPECIAL DITCH W/ STONE FILL, TYPE I

77+48 RT. EXISTING 18" CMP - REMOVE
NEW 28"X 20"X 38" CSPA .064

75+50 RT. ~ REV. 80+00 RT.
NEW 6"X 450' UNDERDRAIN W/ FB

77+66 RT. ~ REV 79+46 RT.
SPECIAL DITCH W/ STONE FILL, TYPE I

REV. 79+59 RT.
NEW 24" X 42' CSP .064 OR CPEP (SL) OPTION

REV. 79+71 RT. ~ REV. 80+00 RT.
CONSTRUCT SPECIAL DITCH W/ STONE FILL, TYPE I

LEGEND
CLASS III WETLANDS

DATUM
VERTICAL
HORIZONTAL

0 20 40 80 120
SCALE IN FEET

03-3387 87E055 1805 FJM

SURVEYED BY	REED	DATE 09-87
DRAWN BY	WILLEY	DATE 10-87
SQUAD LEADER	PERKINS	
DESIGN FILE NO.	/prop/87e055/re055zzz.dgn	
IPARM FILE	87e055llr	DATE PLOTTED 7-NOV-1995

BERLIN
MEGC M 6200(2) S
R. O. W. SHEET 11 OF 17

SHEET 16 OF 73

REVISION
11-03-95 REVISION #29
07-19-93 REVISION #25
05-25-93 REVISION #23
05-13-93 REVISION #21
05-03-93 REVISION #19
04-30-93 REVISION #18
04-26-93 REVISION #15
07-20-92 REVISION #13

GEOTEXTILE FABRIC FOR SILT FENCE
LT.
REV. 80+00 ~ REV. 83+00

SF ——— SILT FENCE

CONSTRUCT SPECIAL DITCH W/EROSION MATTING
78+00 LT. ~ REV. 80+00 LT.

REV PI 80+22.76=
80+15.47

80+10.76=
80+00.00

MATCH LINE

DITCH

CUL., DIT. & DR. (P)

CONST. SR(T) (T)

SURV. 80+45 ℄ EXISTING 24" CMP REMOVE

REV. 80+45 ℄ NEW 36" X 80' PCCSP (PI) .079. CAAP .075. OR CPEP (S) OPTION

STATE OF VERMONT

6B

INSTALL (T) SF SR(T)

5" M.

8" ST.

T-23.36

T-75.3

GMP NET&T 95

GRAVEL DRIVE

REV PC 82+93.33

REV. PC 83+04.59

REV. CURVE #2
△ = 18°-30'-00.0" LT.
D = 8°-00'-00"
R = 716.198
T = 116.64
L = 231.25
E = 9.44
BANK = 0.071FT/FT

LEDGE

STATE OF VERMONT

LEDGE

VT. STATE PLANE GRID

REV. 83+00 LT. ~ REV. 83+75± LT. SPECIAL DITCH W/ STONE FILL, TYPE I

6B

MATCH LINE

REV PT 85+24.58
REV. PT 85+24.43

LEDGE

REV 83+00
END SUBBASE SHIM COURSE
BEGIN FULL DEPTH TYPICAL

CONST. (T) SR(P)

SR(P) DIT. (P)

#10/21

T-100.11'

T-95.42'

T-62.73'

T-57.15'

T-48.54'

T-64.49'

T-38.84'

T-54.36'

S 38°-55'-22" E

T-65.03'

T-61.26'

T-67.61'

T-42.85'

S 57°-25'-22" E

T-30.05'

T-55.16'

T-36.26'

T-32.04'

GMP 20

CUL. (P)

DIT. (P) TREES & BRUSH

SR(P)

DIT. (P)

CONST. (T)

11

P L

5

LEMANSKI, THOMAS A. & LINDA J.

5" ASH

8" ASH

5" CHY

DIT. (P)

CONST. (T)

SR(P)

8" ELM

6" M

15" CHY

6" M.

STONE WALL DITCH (P)

REMOVE & RESET (T)

GMP 21½ 10½

5" M.

6" E

12" CHY

EASE. (T)

CYR, ROMEO J. & VALERIE D.

10

5

SR(P)

CONST. (T)

P L

TO SHEET 11 OF 17

TO SHEET 13 OF 17

REV. RT 81+55

LOT 2

LOT 2

REV. 80+00 RT. - REV. 80+43 RT. NEW 6" X 50' UNDERDRAIN

REV. 80+00 RT. - REV. 80+36 RT. SPECIAL DITCH W/ STONE FILL, TYPE I

REV. CURVE #1
△ = 31°-45'-00" RT.
D = 11°-30'-00"
R = 498.224
T = 141.69
L = 276.09
E = 19.76
BANK = 0.080 FT/FT

REV. 80+47 RT. - REV. 83+30 RT. NEW 6" X 28" UNDERDRAIN W/ FB

REV. 80+54 RT. - REV. 84+65 RT. SPECIAL DITCH W/ STONE FILL, TYPE I

PASTURE

REV PI 84+09.97=
84+07.94

REV. PI 84+15.18 =
84+13.84

RELOCATE MAILBOX, SINGLE SUPPORT
RT.
REV 85+08

CONSTRUCT MAILBOX TURNOUT
RT.
REV 85+07

DION, NORMAN M. & PENNY R.

REMOVAL OF EXISTING FENCE
RT.
REV 85+22 ~ REV 86+00 (78 LF)

CONSTRUCT DRIVE
RT.
REV 84+83
CRUSHED SLATE, 16 FT.
REV 85+78 = 1+00 DRIVE C/L
CRUSHED SLATE, 16 FT. Δ = 85°-13'-19" RT.

REV 84+83 RT. VIEW 18" X 38" CSP .064 OR CPEP (SL) OPTION

DRIVE (T)

DRIVE CURVE DATA
△ = 24°15'-06" LT.
D = 40°00'-00"
R = 143.24'
T = 30.78'
L = 60.63'
E = 3.27'
2T-L = 0.92'

PC = 1+66.96
PI = 1+97.74 BK = 1+96.82 AH
PT = 2+27.60

DRIVE CURVE DATA
△ = 19°08'-02" LT.
D = 12°-00'-00"
R = 477.4650'
T = 80.47'
L = 159.45'
E = 6.73'
2T-L = 1.50'

PC = 1+00.27
PI = 1+80.74 BK = 1+79.25 AH
PT = 2+59.72

6200002 1805 87E055 FJM

LEGEND
CLASS III WETLANDS

0 20 40 80 120
SCALE IN FEET

DATUM
VERTICAL
HORIZONTAL

02-15-96 REVISION #31	
11-03-95 REVISION #29	
06-13-94 REVISION #28	05-24-93 REVISION #22
09-14-93 REVISION #27	05-13-93 REVISION #21
08-23-93 REVISION #26	04-30-93 REVISION #17
06-28-93 REVISION #24	10-16-92 REVISION #14

SURVEYED BY REED DATE 09-87
DRAWN BY WILLEY DATE 10-87
SQUAD LEADER PERKINS
DESIGN FILE NO. /prop/87e055/re055zzz.dgn
IPARM FILE 87e05512r.1 DATE PLOTTED 22-FEB-1996

BERLIN
MEGC M 6200(2)S
R.O.W. SHEET 12 OF 17

SHEET 17 OF 93

TO SHEET 12 OF 17

6B

PC 86+37.52

REV PC 87+07.53

REV 86+50 LT. - REV 89+75 LT.
SPECIAL DITCH W/ STONE FILL, TYPE I

REV. PC 87+82.94

STATE
OF
VERMONT

15"CED.

REV. CURVE #3
△ = 6°-15'-00.0" LT.
D = 2°-00'-00"
R = 2864.790
T = 156.41
L = 312.50
E = 4.27
BANK = 0.027 FT/FT

6"AP.
12"M.

20" ST.

REV PT 90+20.03

CURVE DATA #3
△ = 17°-36'-50"LT.
D = 2°
R = 2864.79'
T = 443.85'
L = 880.69'
E = 34.18'

REV PC 91+57.31

6B

MATCH LINE

N

VT. STATE PLANE GRID

WET

DITCH

WET

DITCH

DITCH

CONST. (T)

SR(P)

CONST. (T)

SR(P)

EASE. (T)

CONST. (T)

REV 89+00
END FULL DEPTH TYPICAL
BEGIN SUBBASE SHIM COURSE

CONST. (T)

CUL. DIT. & DR. (P)

SR(T)

CONST. (T)

SR(T)

CONST. (T)

SR(T)

DIT. (P)

3X3 NAVIGATION BOX

REMOVE (T)

2-6"APS.

SR (P)

DIT. (P)

LIGHTS ON TOP

TWIN 8"E.

GRAVEL TURNOUT

92

91

S 63°-40'-22" E

S 14°-05'-35" E

92

86

S 57°-25'-22" E

S 56°-28'-45" E

87

88

REVISED LINE

SURVEY LINE

PAVED

GRAVEL

89

90

90

91

T-29.73'

T-29.78'

T-51.38'

BRUSH

12" CMP
NET & 12

SIGN

HUB
T-6.26'

HUB
T-3.81'

HUB
T-7.49'

EASE. (T)

24"CMP

DIT. (P)

15"CMP

DIT. (P)

EASE. (T)

DIT. (P)

DIT. (P)

DRIVE (T)

DIT. (P)

SR(T)

CONST. (T)

SR(T)

CONST. (T)

SR (P)

CONST. (T)

SR(P)

CONST. (T)

SR(P)

CONST. (T)

REV PI 88+63.94=
88+63.62

SR(T)

CONST. (T)

CUL. & DIT. (P)

SR(T)

7A

7A

10

TURNAROUND (T)

20' R

+00

12+50

APPROX. LOCATION DISPOSAL REPLACEMENT AREA

CYR, ROMEO J.
& VALERIE D.

STATE
OF
VERMONT

6C

DODGE, GEORGE H.

REV 86+50 RT. - REV 89+85 RT.
SPECIAL DITCH W/ STONE FILL, TYPE I

REV 90+00 RT.
NEW 18" X 38' CSP .064

FROM EDGE OF ROAD

REV 90+21 RT. - REV 90+71 RT.
SPECIAL DITCH W/ STONE FILL, TYPE I

REV 90+75 ℄
NEW 18" X 68' PCCSP .064 OR CAAP .060 OPTION

PI 90+81.37 =
90+74.37

PASTURE

325' ±

TO SHEET 14 OF 17

MATCH LINE

P L

P L

P L

P L

BRUSH

CONSTRUCT MAILBOX TURNOUT
RT.
REV 86+06 RT.

REMOVAL OF EXISTING FENCE
RT.
REV 86+00 RT. ~ REV 88+36 RT. (236 LF)
REV 88+52 RT. ~ REV 90+50 RT. (212 LF)
REV 90+50 RT. ~ REV 92+00 RT. (NON PART.) (150 LF)

CONSTRUCT FIELD DRIVE
RT.
REV 90+00 RT.
GRAVEL, 12 FT.

W

TO HOUSE

SPRING

DATUM
VERTICAL
HORIZONTAL

0 20 40 80 120
SCALE IN FEET

06-13-94	REVISION 28
08-23-93	REVISION 26
05-24-93	REVISION 22
04-30-93	REVISION 16

6200002 1805 87E055 FJM

SURVEYED BY	REED	DATE 09-87
DRAWN BY	WILLEY	DATE 10-87
SQUAD LEADER	PERKINS	
DESIGN FILE NO.	/prop/87e055/re055zzz.dgn	
iPARM FILE	87e0551 3r.i	DATE PLOTTED 12-JUN-1994

BERLIN
MEGC M 6200(2) S
R. O. W. SHEET 13 OF 17
SHEET 18 OF 73

REV. CURVE #4
Δ = 10°-45'-00.0" LT.
D = 5°-00'-00"
R = 1145.916
T = 107.82
L = 215.00
E = 5.06
BANK = 0.055 FT/FT

STATE OF VERMONT

N
VT. STATE PLANE GRID

TO SHEET 13 OF 17

6B

DITCH

REV PT 93+72.31

PT 95+18.22

CONST. (T)
DIT. & DR. (P)
CONST. (T)
INSTALL (T)
SF
SR(T)

REV 92+50
END SUBBASE SHIM COURSE
BEGIN FULL DEPTH TYPICAL

CONST. (T)
SR(T)
SF
INSTALL (T)
15"AP.

92 93 94 95 96 97

GRAVEL PAVED

S 63°-40'-22" E

S 74°-25'-22" E

S 74°-05'-35" E, SURVEY LINE

REVISED LINE

T-72.19'
T-22.67'
T-21.14'
T-93.49'

HUB
HUB
4"ELM
9"CHY
TWIN 16"CED.
BRUSH
SIGN
LEDGE
SWAMP

SR(T)
CONST. (T)
INSTALL (T)
DIT. & CHL. (P)

6B

MATCH LINE

SIGN

MATCH LINE

7A

LEDGE
20' DIA LEDGE

REV PI 92+65.13=
92+64.49

BM 1203-87-05
BOLT IN LEDGE
EL. 1169.18

DODGE, GEORGE H.
PASTURE

7A

TO SHEET 15 OF 17

REV 95+58 & ASKEW 81-00 RT.
NEW 42" X 54" PCCSP (PI) .064 OR CAAP .060 OPTION

SURV 95+60 & EXISTING 18" CORR - REMOVE

REMOVAL OF EXISTING FENCE
RT.
REV 92+00 ~ REV 97+00 (NON PART.) (500 LF)
REV 95+59 (20 LF)
REV 95+59 (NON PART.) (8 LF)

SCARIFYING PAVEMENT
REV 93+25 ~ REV 97+00

GEOTEXTILE FABRIC FOR SILT FENCE
LT. RT.
REV. 93+25 LT. ~ REV. 97+00 LT. REV. 93+75 RT. ~ REV. 97+00 RT.

SF SILT FENCE

DATUM
VERTICAL
HORIZONTAL

0 20 40 80 120
SCALE IN FEET

03-3387 87E055 1805 FJM

SURVEYED BY	REED	DATE	09-87
DRAWN BY	WILLEY	DATE	10-87
SQUAD LEADER	PERKINS		
DESIGN FILE NO.	/usr/zfgl/070070.dlr/87e055zzz.dgn		
MPARM FILE	87e0551 4r.1	DATE PLOTTED	17-MAY-1993

BERLIN
MEGC M 6200(2)S
R.O.W. SHEET 14 OF 17

MATCH LINE

TO SHEET 17 OF 17

SWAMP

BM 1203-87-06
REBAR
EL. 1151.85

T.H. 5 POT 100+09.79 =
T.H. 4 POST 17+61.43
△ = 92°-24'-51"LT.

T.H. 5 POT 100+16.10 =
T.H. 4 POC 17+60.86

T.H. #4 PT 18+48.14

TO VT. 62

7B

PAVE 1- 1/4" 6 FT. SHOULDER
TH #4 14+75 LT. ~ TH #4 19+00 LT.

EXCAVATION OF SURFACES AND PAVEMENTS
LT. REV 98+56 LT ~ REV 99+61 LT
RT. REV 98+79 RT ~ REV 99+46 RT

REMOVAL OF EXISTING FENCE
RT.
REV 97+00 RT ~ REV 98+80 RT
(NON PART.) (204 LF)

SCARIFYING PAVEMENT
REV 97+00 ~ REV 98+56

CONSTRUCT MAILBOX TURNOUT
LT.
TH #4 15+43

RELOCATE MAILBOX, SINGLE SUPPORT
LT.
TH #4 15+43

CONSTRUCT DRIVE
LT.
TH #4 15+65
GRAVEL, 20 FT

N

VT. STATE PLANE GRID

T.H. #5 CURVE DATA #4
△ = 41°-20'-50"LT.
D = 18°-00'-00.0"
R = 318.31'
T = 120.11'
L = 229.71'
E = 21.91'

REV 99+25 LT. - TH #4 19+00 LT.
SPECIAL DITCH W/ EROSION MATTING

REV 99+05 LT. - 99+76 LT. EXISTING 15" ACCMP
REMOVE

CONST. (T)
SR(T)

EASE. (T)
CONST. (T)

99+81
84' LT.

6B

STATE OF
VERMONT

FIELD

TH #5 100+05.10
END PROJECT
MEGC-M6200(2)S

CMP 68

T.H. #4 CURVE DATA
△ = 46°-11'-04"RT.
D = 9°-30"
R = 603.14'
T = 257.13'
L = 486.15'
E = 52.53'
BANK = EXISTING

DODGE, GEORGE H.

T. H. 4
REV. 16+09
25' LT.

TH #4 15+64
ASKEW 65°-00½' RT.
EXISTING 18" CGMP - RETAIN
REMOVE 14' FROM INLET END

7B

TO SHEET 16 OF 17

T.H. #5
REV. CURVE #5
△ = 41°-01'-03.1"LT.
D = 18°-00'-00.0"
R = 318.31'
T = 119.07'
L = 227.88'
E = 21.54'
BANK = 0.080 FT/FT

T.H. #5 PC 97+48.69

INSTALL (T) SF SR(T)

CONST. (T) SR(T)

CUL. DIT. & DR. (P)

REV. 98+40
3' LT.

REV PC 97+49.25

TO SHEET 14 OF 17

T.H. #5

98 SURVEY LINE

REVISED LINE 99

N 64°-33'-35" E

S 74°-25'-22" E

6A

STATE OF
VERMONT

T.H. #4

16 SURV. ℄

TO BARRE CITY

REV. ℄

N 27°-55'-14" W

T-79.94'
T-79.03'
T-39.54'
T-135.27'
T-121.04'
T-128.91'
T-63.86'
T-21.26'
T-18.32'
T-22.4'
T-26.00'
T-22.64'
T-19.70'
T-22.26'

18"C. LMP
CHE PRIES

SIGN

INSTALL (T) DIT. (P) DIT. (P) SR(T)

APPLE ORCHARD

7A

26"AP.
18"AP.
24"AP.
16"AP.
14"AP.

SOIL GMP 27 IT

GRAVEL DRIVE

LAWN

REMOVE

MB

20' R
10' R
20'

WOODS

DRIVE (T)

CONST. (T) SR(T)

EASE. (T)

SIGNS

GMP #28

UNDERGROUND TELEPHONE

MATCH LINE

REV 98+50 ℄
NEW 24" X 50' PCCSP .064 OR CAAP .060 OPTION

REV 97+25 RT. - 98+43 RT.
SPECIAL DITCH W/ STONE FILL, TYPE I

REV PI 98+68.32=
98+58.06

PI 98+68.80 =
98+58.28

REV 98+54 RT. - TH #4 16+00 LT.
SPECIAL DITCH W/ EROSION MATTING

TH #4 15+00 LT. - 15+48 LT.
SPECIAL DITCH W/ EROSION MATTING

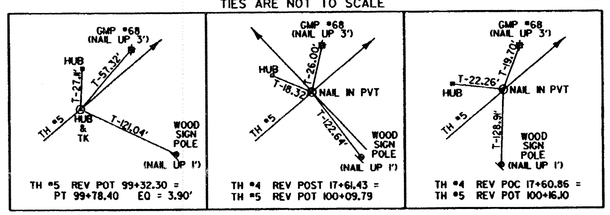
PI 16+19.14 =
15+90.99

TO SPRING

2 SWF HO.

S.T.

TIES ARE NOT TO SCALE



TH #5 REV POT 99+32.30 =
PT 99+78.40 EQ = 3.90'

TH #4 REV POST 17+61.43 =
TH #5 REV POT 100+09.79

TH #4 REV POC 17+60.86 =
TH #5 REV POT 100+16.10

GEOTEXTILE FABRIC FOR SILT FILTER

LT. REV. 97+00 LT. ~ REV. 99+25 LT.

RT. REV. 97+00 RT. ~ REV. 97+25 RT.

SF SILT FENCE

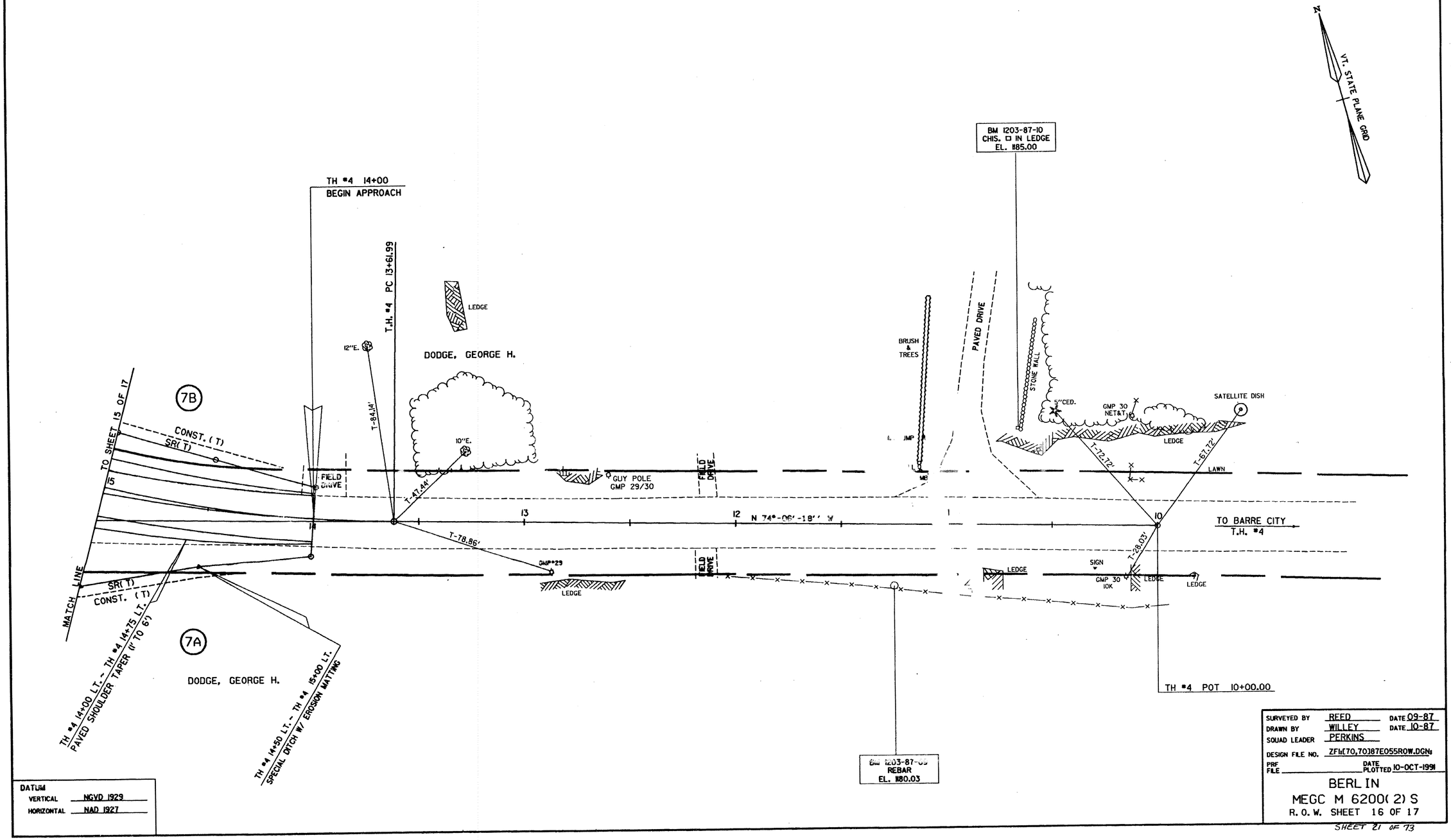
0 20 40 80 120
SCALE IN FEET

DATUM
VERTICAL
HORIZONTAL

REVISION 16 04-30-93
03-3387 87E055 1805 FJM

SURVEYED BY REED DATE 09-87
DRAWN BY WILLEY DATE 10-87
SQUAD LEADER PERKINS
DESIGN FILE NO. /usr/zfal/070070.dir/87e055zzz.dgn
FARM FILE 87e055l5r.1 DATE PLOTTED 07-MAY-1993

BERLIN
MEGC M 6200(2)S
R. O. W. SHEET 15 OF 17



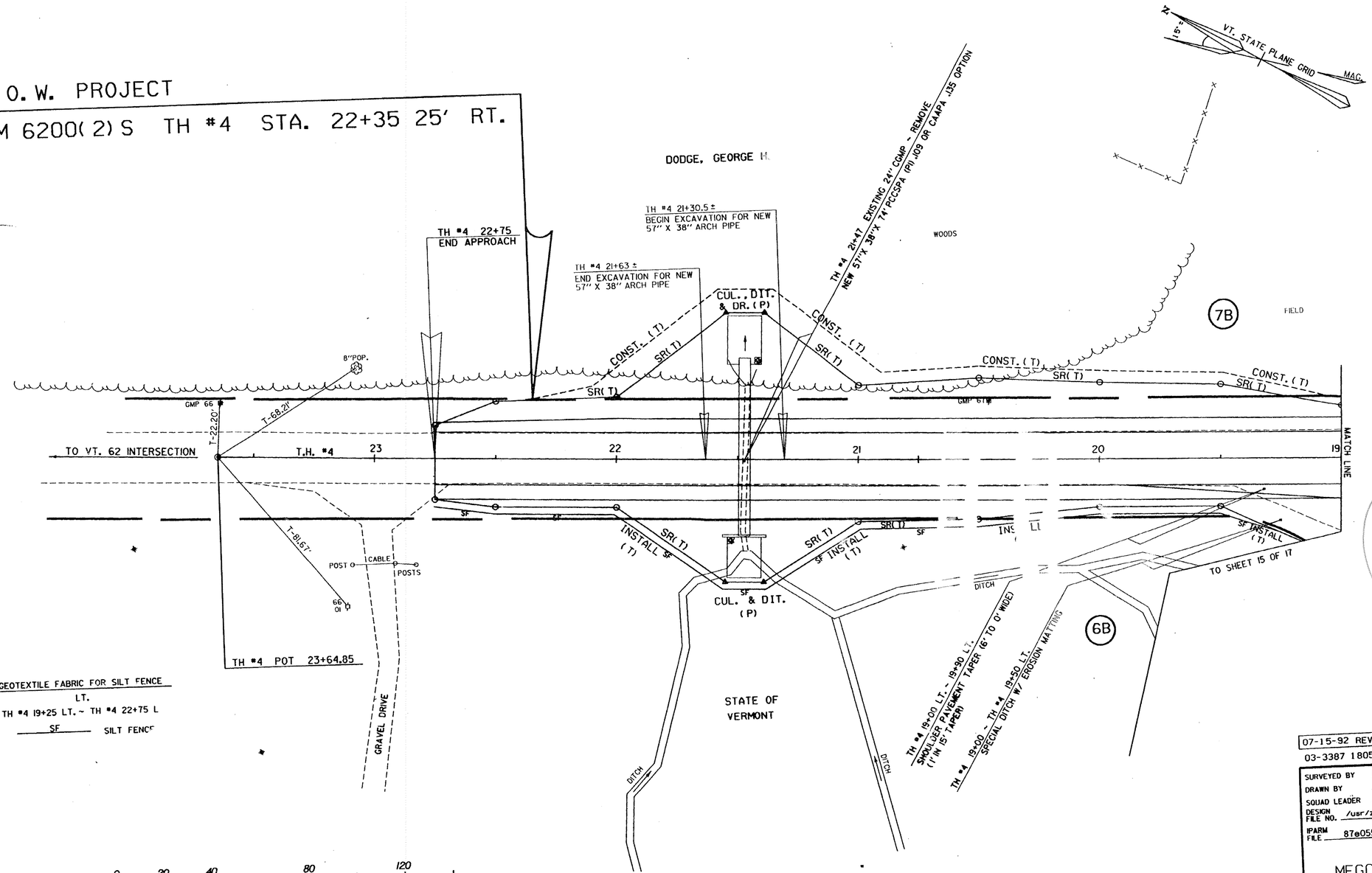
DATUM
VERTICAL NGVD 1929
HORIZONTAL NAD 1927

SURVEYED BY REED DATE 09-87
DRAWN BY WILLEY DATE 10-87
SQUAD LEADER PERKINS
DESIGN FILE NO. ZFH(70,70)87E055ROW.DGN
PRF FILE
DATE PLOTTED 10-OCT-1991

BERLIN
MEGC M 6200(2)S
R.O.W. SHEET 16 OF 17

END R. O. W. PROJECT

MEGC M 6200(2) S TH #4 STA. 22+35 25' RT.



GEOTEXTILE FABRIC FOR SILT FENCE

LT.

TH #4 19+25 LT. ~ TH #4 22+75 L

SF SILT FENCE

0 20 40 80 120

SCALE IN FEET

DATUM

VERTICAL

HORIZONTAL

07-15-92 REVISION #7 & REVISION #10

03-3387 1805 FJM

SURVEYED BY	REED	DATE 09-87
DRAWN BY	WILLEY	DATE 10-87
SQUAD LEADER	PERKINS	
DESIGN FILE NO.	/usr/zfdl/070070.dlr/87e055zzz.dgn	
IPARM FILE	87e055l1r	DATE PLOTTED 05-AUG-1992

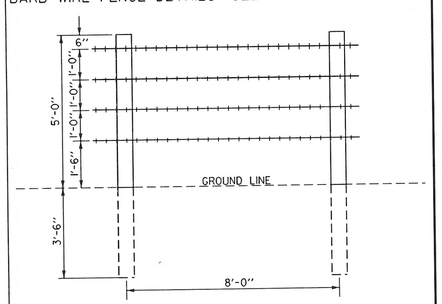
BERLIN

MEGC M 6200(2) S

R. O. W. SHEET 17 OF 17

SHEET 22 OF 73

BARB WIRE FENCE DETAILS (SEE SPECIAL PROVISIONS)



NOTES:
1. ALL POSTS SHALL BE SEASONED CEDAR, STRAIGHT, SOUND, AND NOT LESS THAN 4 1/2" DIA. AT THE SMALL END NOR GREATER THAN 5 1/2" DIA. AT THE GROUND LINE.
2. BARB WIRE SHALL CONFORM TO REQUIREMENTS FOR ZINC COATED (GALVANIZED) STEEL BARB WIRE, ASTM A 121, 2 STRAND STANDARD SIZE NO. 12 1/2, COATING CLASS NO. 3.
3. STAPLES SHALL BE AT LEAST 1 1/4" LONG OF NO. 9 GALVANIZED WIRE.

REMOVAL OF EXISTING FENCE

LT.
~~75+00~~ ~ ~~77+37~~ (NON PART.) (~~238~~ LF)

RT.
~~76+67~~ ~ ~~76+92~~ (~~25~~ LF)
~~77+09~~ ~ ~~77+27~~ (~~24~~ LF)
~~77+32~~ ~ ~~77+33~~ (~~148~~ LF)

BARB WIRE FENCE - FOUR STRAND

LT.
~~75+00~~ ~ ~~77+37~~ (238 LF)

RT.
~~76+67~~ ~ ~~76+98~~ (31 LF)
~~77+15~~ ~ ~~77+32~~ (35 LF)

RELOCATE MAILBOX, SINGLE SUPPORT

LT.
77+62

RT.
75+18

CONSTRUCT MAILBOX TURNOUT

LT.
77+62

RT.
75+18
REV. 79+78

CONSTRUCT DRIVE

LT.
~~77+85~~ CRUSHED SLATE, ~~24~~ FT

RT.
74+98 GRAVEL, 13 FT
77+10 GRAVEL, 16 FT
77+50 GRAVEL, 16 FT
REV. 79+59 CRUSHED SLATE, 12 FT

75+00
BEGIN APPROACH

76+00
END APPROACH
BEGIN PROJECT MEGC-M6200(2)S
BEGIN SUBBASE SHIM COURSE

BM 1203-87-02
CHIS. □ IN BO.
EL. 1179.91

BM 1203-87-01
REBAR IN LAWN
EL. 1185.00

POT 75+66.00

PASTURE

18" M.
28" M.
16" M.
10" AP.
7" AP.
12" AP.
24" M.
6" M.
6" AP.
8" AP.
5" M.
4" AP.
5" AP.
8" CHY
5" CHY
9" CHY
WELL
POST
6" POP.
10" POP.

1 S.W.F. HOUSE
GARDEN
LAWN
SWALE
LOCUST
(FILLED AND ABANDONED) WELL
GRAVEL DRIVE
FIELD DRIVE
GARDEN
LILAC
LILAC
GRAVEL DRIVE
POND
TREES & BRUSH
TREES & BRUSH
IRON PIN
CMP 19 NET&T 8
DITCH
20' R
REMOVE
TO BERLIN CORNERS
T.H. #5
S 70°-40'-22" E
95°- 00'
T-27.93'
T-43.34'
T-37.22'
T-41.88'
T-46.15'
T-46.68'
SURVEY LINE
REVISED LINE
75
76
77
78
79
80
80.11

CONSTRUCT SPECIAL DITCH W/EROSION MATTING 78+00 LT. - REV. 80+00 LT.

REV. 79+77 LT. - RT. INSTALL SYSTEM TO BE INSTALLED BY THE CONTRACTOR (SEE UTILITY SHEETS FOR DETAILS)

VT. STATE PLANE GRID

75+59 RT. - 76+98 RT. SPECIAL DITCH W/ STONE FILL, TYPE I

76+90 RT. - 77+14 RT. EXISTING 15" ACCOMP - REMOVE AND RETAIN BY PROPERTY OWNER

77+08 RT. NEW 28" X 20" X 36' CSPA .064

77+21 RT. - 77+35 RT. SPECIAL DITCH W/ STONE FILL, TYPE I

77+48 RT. EXISTING 18" CMP - REMOVE
NEW 28" X 20" X 40' CSPA .064

75+50 RT. - REV. 80+00 RT. NEW 6' X 450' UNDERDRAIN W/ FB AT 75+59 Stay inside road RT

77+66 RT. - REV. 79+46 RT. SPECIAL DITCH W/ STONE FILL, TYPE I

REV PC 78+81.07
PC 78+88.20

REV. 79+99 RT. NEW 24" X 42" CSP .064 OR CPEP OPTION

REV. 79+77 RT. - REV. 80+00 RT. CONSTRUCT SPECIAL DITCH W/ STONE FILL, TYPE I

REV. CURVE #1
△ = 31°-45'-00" RT.
D = 11°-30'-00"
R = 498.224
T = 141.69
L = 276.09
E = 19.76
BANK = 0.080 FT/FT

LEGEND
CLASS III WETLANDS

0 20 40
SCALE IN FEET

DATUM
VERTICAL NGVD 1929
HORIZONTAL NAD 1927

SURVEYED BY	C. REED	DATE 09-87
DRAWN BY	D. WILLEY	DATE 10-87
SQUAD LEADER	T. BOHL	
DESIGN FILE NO.	/sqdd/87e055/de055bor.dgn	
IPARM FILE	DE055LIR	DATE PLOTTED 17-JUL-1997
PROJ. NAME	BERLIN	
PROJ. NO.	MEGC-M6200(2)S	
SHEET 23 OF 73 SHEETS		

BEGIN

BM 1203-87-03
REBAR
EL. 1175.65

DITCH

PI 80+59.76 =
80+50.02

REV PI 80+22.76=
80+15.47

REV 80+40 ℄
NEW 6" X 70' UNDERDRAIN CARRIER PIPE

SURV 80+45 ℄ EXISTING 24" CGMP
REMOVE

REV 80+45 ℄
NEW 36" X 80' PCCSP (PII) .079, CAAP .075,
OR CPEP BITRON 75F TYPE IR WITH ℄ MARK

REV 80+50 ℄
NEW 6" X 70' UNDERDRAIN CARRIER PIPE

5" M.

8" ST.

GMP
NET&T 95

S 37°-20'-06" E

GRAVEL
DRIVE

80
81
82

SURVEY LINE

REVISED LINE

T-95.42'
T-62.73'
T-57.15'
T-48.54'
T-54.36'
T-64.49'
T-38.84'
T-100.11'
T-65.03'
T-61.26'
T-67.61'
T-23.37'
T-35.73'
T-51.08'

#9
GMP 20

GRAVEL
PAVED

S 38°-55'-22" E

TREES & BRUSH

5" ASH
8" ASH
5" CHY
6" ELM
6" M

PC 82+58.33

REV PC 82+93.33

REV PT 81+57.16

PT 82+21.58

LOT 2

CURVE DATA #2
△ = 19°-08'-39" LT.
D = 6°
R = 954.930'
T = 161.04'
L = 319.07'
E = 13.48'

LEDGE

BM 1203-87-04
TABLET IN LEDGE
EL. 1191.94

LEDGE

REV. CURVE #2
△ = 18°-30'-00.0" LT.
D = 8°-00'-00"
R = 716.198
T = 116.64
L = 231.25
E = 9.44
BANK = 0.071FT/FT

LEDGE

REV 83+00
END SUBBASE SHIM COURSE
BEGIN FULL DEPTH TYPICAL

REV 83+00 LT. - REV 83+75 LT.
SPECIAL DITCH W/ STONE FILL, TYPE I

N

VT. STATE PLANE GRID

REV PT 85+24.58

REV 85+50 RT. - REV. 85+90 LT.
NEW 3" CONDUITS TO BE INSTALLED DURING
CONSTRUCTION (SEE UTILITY SHEETS FOR DETAILS)

PT 85+17.40

CONCRETE UNDER
TRAVELED WAY

GMP 21½
10½

S 56°-28'-45" E

S 57°-25'-22" E

T-42.85'
T-55.76'

#10 /21

84
85
86

6" E
5" M.
3" M
12" CHY

6" M.

STONE WALL

REMOVE OR REPLACE
METER PEDESTAL

PASTURE

REV PI 84+09.97=
84+07.94

PI 84+19.37 =
84+16.37

S 33°-45'-54" W

FIELD DRIVE

CONCRETE UNDER
TRAVELED WAY

TRANSFORMER

1+50
2+00
2+90

20' R

REV. 80+00 RT. - REV. 80+40 RT.
NEW 6" X 40' UNDERDRAIN

REV 80+00 RT. - REV. 80+36 RT.
SPECIAL DITCH W/ STONE FILL, TYPE I

REV. CURVE #1
△ = 31°-45'-00" RT.
D = 11°-30'-00"
R = 498.224
T = 141.69
L = 276.09
E = 19.76
BANK = 0.080 FT/FT

CURVE DATA #1
△ = 33°-20'-16"RT.
D = 10°
R = 572.958'
T = 171.56'
L = 333.38'
E = 25.13'

REV. 80+50 RT. - REV. 83+30 RT.
NEW 6" X 280' UNDERDRAIN W/ FB AT REV. 83+30 RT.

REV. 80+54 RT. - REV. 84+64 RT.
SPECIAL DITCH W/ STONE FILL, TYPE I

RELOCATE MAILBOX, SINGLE SUPPORT
RT.
REV 85+07

CONSTRUCT MAILBOX TURNOUT
RT.
REV 85+07

REMOVAL OF EXISTING FENCE
RT.
REV 85+22 ~ REV 86+00 (78 LF)

CONSTRUCT DRIVE
RT.
REV 84+83 = 1+00 DRIVE C/L
CRUSHED SLATE, 16 FT. △ = 88°-40'-13" RT.
REV 85+78 = 1+00 DRIVE C/L
CRUSHED SLATE, 16 FT. △ = 85°-13'-19" RT.

REV. 84+83 RT.
NEW 18" X 44' CSP .064, OR CPEP BITRON

DRIVE CURVE DATA
△ = 24°-15'-06" LT.
D = 40°-00'-00"
R = 143.24'
T = 30.78'
L = 60.63'
E = 3.27'
2T-L = 0.92'

PC = 1+66.96
PI = 1+97.74 BK = 1+96.82 AH
PT = 2+27.60

DRIVE CURVE DATA
△ = 19°-08'-02" LT.
D = 12°-00'-00"
R = 477.4650'
T = 80.47'
L = 159.45'
E = 6.73'
2T-L = 1.50'

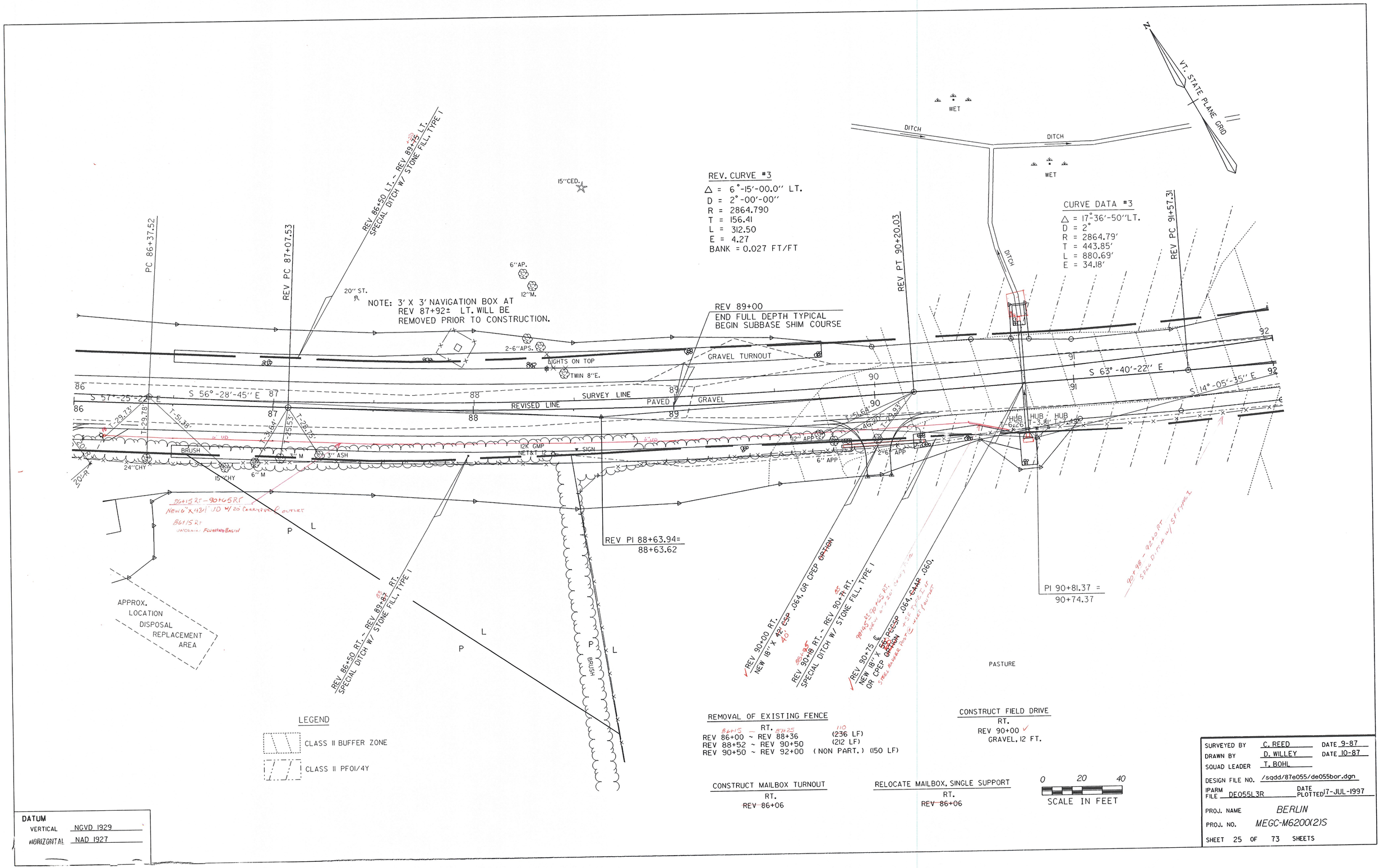
PC = 1+00.27
PI = 1+80.74 BK = 1+79.25 AH
PT = 2+59.72

LEGEND
CLASS III WETLANDS

0 20 40
SCALE IN FEET

DATUM
VERTICAL NGVD 1929
HORIZONTAL NAD 1927

SURVEYED BY	C. REED	DATE	9-87
DRAWN BY	D. WILLEY	DATE	10-87
SQUAD LEADER	T. BOHL		
DESIGN FILE NO.	/sqdd/87e055/de055bor.dgn		
IPARM FILE	DE055L2R	DATE PLOTTED	17-JUL-1997
PROJ. NAME	BERLIN		
PROJ. NO.	MEGC-M6200(2)S		
SHEET 24 OF 73 SHEETS			



LEGEND

CLASS II BUFFER ZONE

CLASS II PF01/4Y

REMOVAL OF EXISTING FENCE

RT.

REV 86+00 ~ REV 88+36	(236 LF)	
REV 88+52 ~ REV 90+50	(212 LF)	
REV 90+50 ~ REV 92+00	(NON PART.)	(150 LF)

CONSTRUCT FIELD DRIVE

RT.

REV 90+00

GRAVEL, 12 FT.

CONSTRUCT MAILBOX TURNOUT

RT.

REV 86+06

RELOCATE MAILBOX, SINGLE SUPPORT

RT.

REV 86+06

0 20 40

SCALE IN FEET

DATUM

VERTICAL NGVD 1929

HORIZONTAL NAD 1927

SURVEYED BY	C. REED	DATE	9-87
DRAWN BY	D. WILLEY	DATE	10-87
SQUAD LEADER	T. BOHL		
DESIGN FILE NO.	/sqdd/87e055/de055bor.dgn		
IPARM FILE	DE055L3R	DATE PLOTTED	17-JUL-1997
PROJ. NAME	BERLIN		
PROJ. NO.	MEGC-M6200(2)S		
SHEET	25 OF 73 SHEETS		

REV. CURVE #4
△ = 10°-45'-00.0" LT.
D = 5°-00'-00"
R = 1145.916
T = 107.82
L = 215.00
E = 5.06
BANK = 0.055 FT/FT

N
VT. STATE PLANE GRID

CONSTRUCT WETLANDS
LT.
REV. 95+99 LT. ~ REV. 97+00 LT.

DITCH
REV PT 93+72.31
PT 95+18.22
DITCH
15"AP.
REV 92+50
END SUBBASE SHIM COURSE
BEGIN FULL DEPTH TYPICAL
92
93
94
95
96
GRAVEL PAVED
S 63°-40'-22" E
S 74°-25'-22" E
S 74°-05'-35" E
SURVEY LINE
REVISED LINE
97
T-58.98'
L-214.87'
T-72.19'
T-22.67'
T-21.64'
T-93.49'
(DEAD) 6" ELM
(DEAD) 6" ELM
4" ELM
HUB
HUB
TWIN 16" CED.
BRUSH
9" CHY
SIGN
SWAMP
LEDGE
LEDGE
20' DIA LEDGE
REV PI 92+65.13=
92+64.49
PASTURE

REMOVAL OF EXISTING FENCE
RT.
REV 92+00 ~ REV 97+00 (NON PART.) (500 LF)
REV 95+59 (20 LF)
REV 95+59 (NON PART.) (8 LF)

BM 1203-87-05
BOLT IN LEDGE
EL. 1169.18

REV 95+58 ℄ ASKEW 81°-00' RT.
NEW 42" X 78" PCCSP .109 OR CAAP .105 OPTION

SURV 95+62 ℄ EXISTING 18" CGMP ~ REMOVE

LEGEND
CLASS II BUFFER ZONE
CLASS II PFOI/4Y
CLASS II POWZ

SCARIFYING PAVEMENT
REV 93+25 ~ REV 97+00

MELT
LT.
REV. 93+50 ~ REV. 93+87.5

STEEL BEAM GUARD RAIL
LT.
REV. 93+87.5 ~ REV. 97+00

0 20 40
SCALE IN FEET

DATUM
VERTICAL NGVD 1929
HORIZONTAL NAD 1927

SURVEYED BY C. REED DATE 9-87
DRAWN BY D. WILLEY DATE 10-87
SQUAD LEADER T. BOHL
DESIGN FILE NO. /sqdd/87e055/de055bor.dgn
IPARM FILE DE055L4R DATE PLOTTED 17-JUL-1997
PROJ. NAME BERLIN
PROJ. NO. MEGC-M6200(2)S
SHEET 26 OF 73 SHEETS

BM 1203-87-06
REBAR
EL. 1151.85

T.H. 5 POT 100+09.79 =
T.H. 4 POST 17+61.43
△ = 92°-24'-51"LT.

T.H. 5 POT 100+16.10 =
T.H. 4 POC 17+60.86

T.H. #4 PT 18+48.14

PAVE I-1/4" 6 FT. SHOULDER
TH #4 14+75 ~ TH #4 19+00

SCARIFYING PAVEMENT
REV 97+00 ~ REV 98+56

EXCAVATION OF SURFACES AND PAVEMENTS
~~RT.~~ 99+50 RT. 98+70 LT
REV 98+79 ~ REV 99+46

REMOVAL OF EXISTING FENCE
RT.
REV ~~97+00~~ ~ REV 98+80
(NON PART.) (204 LF)
FIELD

CONSTRUCT MAILBOX TURNOUT
LT.
TH #4 15+43

RELOCATE MAILBOX, SINGLE SUPPORT
LT. 14+95
TH #4 ~~15+43~~

MELT ANCHOR FOR STEEL BEAM GR
LT. 18+05 18+15 LT.
REV 99+21.5 ~ REV 99+59

STEEL BEAM GUARD RAIL
LT.
REV 97+00 ~ REV 99+21.5
18+15.5 LT

TH #5 100+05.10
END PROJECT
MEGC-M6200(2)S

T.H. #4 CURVE DATA
△ = 46°-11'-04"RT.
D = 9°30"
R = 603.14'
T = 257.13'
L = 486.15'
E = 52.53'
BANK = EXISTING

CONSTRUCT WETLANDS
LT.
REV. 97+00 ~ REV. 97+29
REV. 97+76 ~ TH#4 19+00

CONSTRUCT DRIVE
LT.
TH #4 15+65
GRAVEL, 20 FT

T.H. #5 CURVE DATA #4
△ = 41°20'-50"LT.
D = 18°-00'-00.0"
R = 318.31'
T = 120.11'
L = 229.71'
E = 21.91'

T.H. #5
REV. CURVE #5
△ = 41°01'-03.1"LT.
D = 18°-00'-00.0"
R = 318.310'
T = 119.07'
L = 227.88'
E = 21.54'
BANK = 0.080 FT/FT

REV PC 97+49.25
T.H. #5 PC 97+48.69

REV 99+05 LT. ~ 99+76 LT. EXISTING 15" ACCOMP
REMOVE

REV POT 99+32.30
PT 99+78.40 EQ = 3.90'
REV PT 99+78.40
REV POT 99+82.30

TO VT. 62

REVISED LINE N 64°-33'-35" E

S 74°-25'-22" E

SURVEY LINE

T.H. #5

T.H. #4

N 27°-55'-14" W

N 74°-06'-18" W

VT. STATE PLANE GRID

TO BARRE CITY

REV. ℄

SURV. ℄

TH #4 15+64 ASKEW 65°-00" RT.
EXISTING 18" COMP - RETAIN
REMOVE 14'± FROM INLET END
STEEL ANCHOR FOR GUARD RAIL

REV 98+50 LT.
NEW 24" X 70' RCCP .064, CAAP .060,
OR CPEP DRAIN W/ 12" RCS
W/ 15"x 11" E. OUTLET
STEEL-HANGER POST LENGTH

REV 97+25 RT. ~ 98+46 RT.
SPECIAL DITCH W/ STONE FILL, TYPE I

REV PI 98+68.32=
98+58.06

PI 98+68.80 =
98+58.28

REV 98+54 RT. ~ TH #4 16+00 LT.
SPECIAL DITCH W/ EROSION MATTING

TH #4 15+00 LT. ~ 15+48 LT.
SPECIAL DITCH W/ EROSION MATTING

PI 16+19.14 =
15+90.99

T-73.94'
T-41.76'
T-33.37'
T-24.53'
T-29.03'
T-39.54'
T-135.27'
T-42.45'
T-71.30'
T-57.32'
T-27.11'
T-121.04'
T-128.91'
T-19.70'
T-26.00'
T-18.32'
T-122.64'
T-22.26'
T-63.86'
T-12.26'
T-18.16'
T-22.4'

4-8"CHY
5-6"CHY
4-6"CHY
12"CLUMP CHY
APPLE ORCHARD
SIGN
12"M.
14"AP.
26"AP.
16"AP.
24"AP.
18"AP.
WOOD SIGN
20' R
10' R
MB
REMOVE
GRAVEL DRIVE
LAWN
WOODS
SIGNS
2 SWF HO.
BARN

TIES ARE NOT TO SCALE

GMP #68 (NAIL UP 3')
HUB
T-57.32'
T-27.11'
TH #5
HUB TK
T-121.04'
WOOD SIGN POLE (NAIL UP 1')
TH #5 REV POT 99+32.30 = PT 99+78.40 EQ = 3.90'

GMP #68 (NAIL UP 3')
HUB
T-26.00'
T-18.32'
NAIL IN PVT
TH #5
T-122.64'
WOOD SIGN POLE (NAIL UP 1')
TH #4 REV POST 17+61.43 = TH #5 REV POT 100+09.79

GMP #68 (NAIL UP 3')
T-19.70'
T-22.26'
HUB
NAIL IN PVT
TH #5
T-128.91'
WOOD SIGN POLE (NAIL UP 1')
TH #4 REV POC 17+60.86 = TH #5 REV POT 100+16.10

LEGEND
CLASS II BUFFER ZONE
CLASS II PF01/4Y

0 20 40
SCALE IN FEET

DATUM
VERTICAL NGVD 1929
HORIZONTAL NAD 1927

SURVEYED BY C. REED DATE 9-87
DRAWN BY D. WILLEY DATE 10-87
SQUAD LEADER T. BOHL
DESIGN FILE NO. /sqdd/87a055/de055bor.dgn
IFARM FILE de055l5r.1 DATE PLOTTED 17-JUL-1997
PROJ. NAME BERLIN
PROJ. NO. MEGC-M6200(2)S
SHEET 27 OF 73 SHEETS

N

VT. STATE PLANE GRID

BM 1203-87-10
CHIS. □ IN LEDGE
EL. 1185.00

TH #4 14+00
BEGIN APPROACH

T.H. #4 PC 13+61.99

TH #4 14+00 RT. ~ TH #4 14+50 RT.
GRAVEL SHOULDER TAPER (4' TO 6')

LEDGE

12"E.

T-84.14'

WOODS

10"E.

T-47.44'

GUY POLE
GMP 29/30

FIELD DRIVE

BRUSH & TREES

20"M. STUMP

ST. WALL
FN POST

MB

PAVED DRIVE

STONE WALL

WOODS

5"CED.

GMP 30
NET&T

SATELLITE DISH

LEDGE

T-72.72'

T-67.72'

LAWN

15 14 13 12 N 74°-06'-18" W 11 10

TO BARRE CITY
T.H. #4

T-78.86'

GMP#29

LEDGE

FIELD DRIVE

T-28.03'

SIGN

GMP 30
10K

LEDGE

LEDGE

LEDGE

EXCAV. OF SURF'G PAVEMENT
14+80 → 15+80 LT

TH #4 14+00 LT. ~ TH #4 14+75 LT.
PAVED SHOULDER TAPER (1' TO 6')

TH #4 14+50 LT. ~ TH #4 15+00 LT.
SPECIAL DITCH W/ EROSION MATTING

TH #4 POT 10+00.00

FIELD

BM 1203-87-09
REBAR
EL. 1180.03

0 20 40
SCALE IN FEET

DATUM
VERTICAL NGVD 1929
HORIZONTAL NAD 1927

SURVEYED BY	C. REED	DATE 9-87
DRAWN BY	D. WILLEY	DATE 10-87
SQUAD LEADER	T. BOHL	
DESIGN FILE NO.	/sqdd/87e055/de055bor.dgn	
IPARM FILE	DE055L6R	DATE PLOTTED 17-JUL-1997
PROJ. NAME	BERLIN	
PROJ. NO.	MEGC-M6200(2)S	
SHEET 28 OF 73 SHEETS		

CONSTRUCT WETLANDS
LT.
TH #4 19+00 ~ TH #4 19+33

TH #4 22+00 RT ~ 22+75 RT
GRAVEL SHOULDER TAPER (6' TO 3')

TH #4 22+75
END APPROACH

TH #4 21+63 ±
END EXCAVATION FOR NEW
57" X 38" ARCH PIPE

TH #4 21+30.5 ±
BEGIN EXCAVATION FOR NEW
57" X 38" ARCH PIPE

TH #4 21+44 EXISTING 24" ACCOMP ~ REMOVE
NEW 57"X 38" X 74' PCESPA (RM-H99 OR CAMPA 135 OPTION
59
VIT. TYPE III C WHITE FOR FLAT.
VIT. TYPE III C WHITE FOR FLAT.
SEE MARKER POST IS MILES FOR SET.

N
VT. STATE PLANE GRID

WOODS

FIELD

8"POP.

GMP 66

T-68.21'

T-22.20'

TO VT. 62 INTERSECTION

T.H. #4

23 22 21 20 19

GMP 67

T-81.67'

POST CABLE POSTS

66 01

TH #4 POT 23+64.85

GRAVEL DRIVE

DITCH

DITCH

DITCH

TH #4 19+00 LT. ~ 19+90 LT.
SHOULDER PAVEMENT TAPER (6' TO 0' WIDE)
(1' IN 15' TAPER)

SWAMP

LEGEND

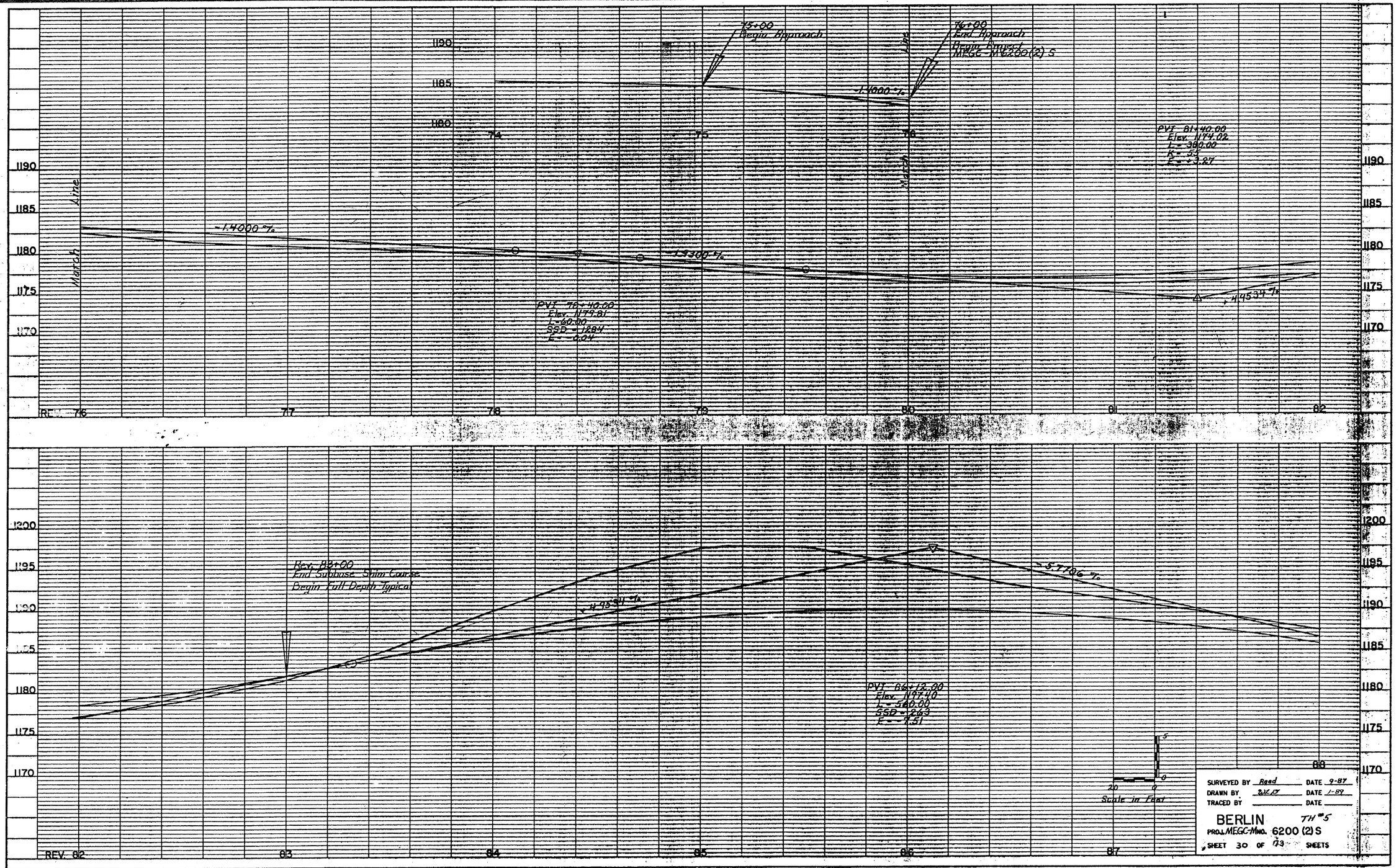
CLASS II BUFFER ZONE

CLASS II PF01/4Y

DATUM
VERTICAL NGVD 1929
HORIZONTAL NAD 1927

0 20 40
SCALE IN FEET

SURVEYED BY C. REED DATE 9-87
DRAWN BY D. WILLEY DATE 10-87
SQUAD LEADER T. BOHL
DESIGN FILE NO. /sqdd/87e055/de055bor.dgn
IPARM FILE DE055L7R DATE PLOTTED 17-JUL-1997
PROJ. NAME BERLIN
PROJ. NO. MEGC-M6200(2)S
SHEET 29 OF 73 SHEETS


75+00
Begin Approach
76+00
End Approach
Begin Culvert
MnDOT 6200(2) S
-1.4000 %
-1.4300 %
PVI 76+40.00
Elev. 1179.81
L = 60.00
SSD = 128.4
K = 6.04
PVI 81+40.00
Elev. 1174.02
L = 360.00
K = 54
K = 3.87
+4.4534 %
Rev. 82+00
End Subbase Shim Course
Begin Full Depth Typical
-4.9511 %
-5.7706 %
PVI 86+12.00
Elev. 1177.40
L = 540.00
SSD = 263
K = 9.51
Line
Match
REV. 82
83
84
85
86
87
88
20
0
5
0
Scale in Feet
SURVEYED BY Read DATE 9-87
DRAWN BY JLC/JT DATE 1-89
TRACED BY DATE
BERLIN TH #5
PROJ. MEGC-MNO. 6200 (2) S
SHEET 30 OF 73 SHEETS

Rev. 84+00
End Full Depth Typical
Begin Subbase Shim Course

PVT 90+00.00
Elev. 1175.01
L = 200.00
K = 68
E = +0.84

Rev. 92+50
End Subbase Shim Course
Begin Full Depth Typical

-5.7706 %

-2.4300 %

REV. 88

PVT 97+00.00
Elev. 1158.00
L = 100.00
K = 87
E = +0.14

-2.4300 %

-1.2825 %

100+05.10
End Project
MEGC-M 6200 (2) S

Rev. POT 99+82.30 =
Surv. PT 99+78.40
Eq. = +3.90

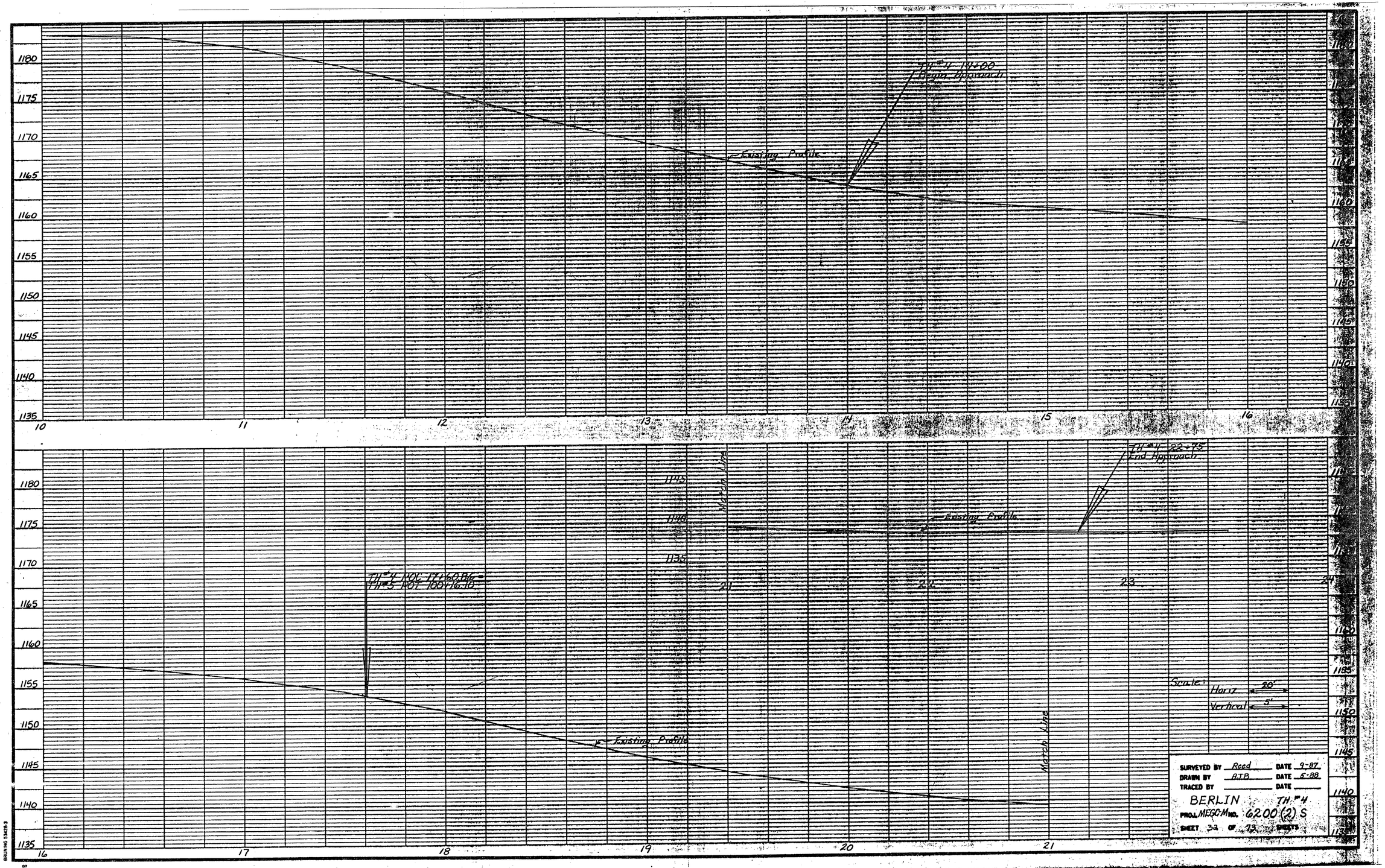
REV. 94

SURV. 100

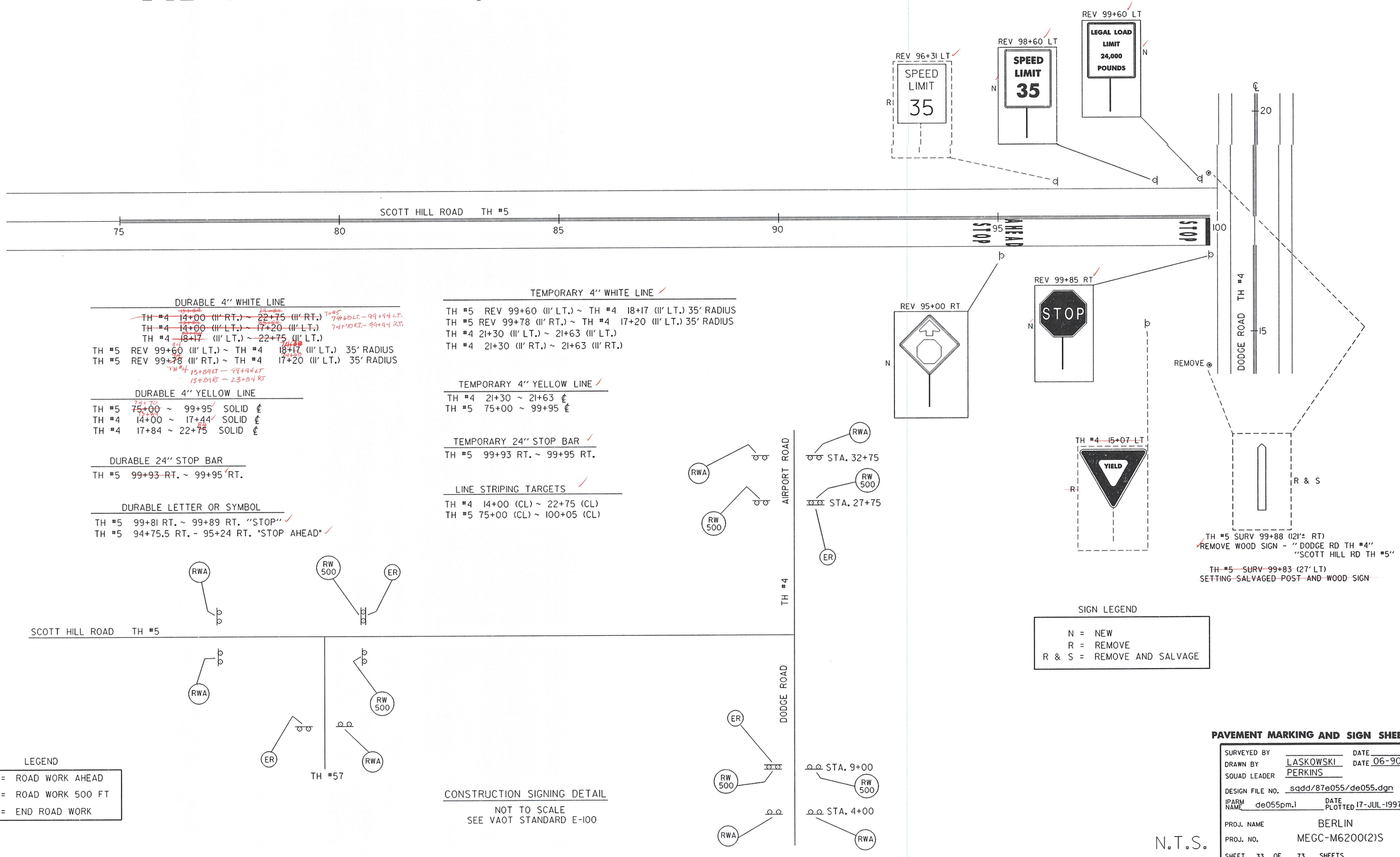
Scale in Feet

SURVEYED BY Reed DATE 9-87
DRAWN BY [illegible] DATE 1-89
TRACED BY _____ DATE _____

BERLIN TH #5
PROJ. MEGC-M NO. 6200 (2) S
SHEET 31 OF 73 SHEETS


1180
1175
1170
1165
1160
1155
1150
1145
1140
1135
10
11
12
13
14
15
16
TH #4 194+00
Begin Approach
Existing Profile
TH #4 106 17+60.86
TH #5 161 166+16.16
Match Line
Existing Profile
TH #4 22+75
End Approach
Existing Profile
Match Line
16
17
18
19
20
21
22
23
24
Scale:
Horiz 20'
Vertical 5'
SURVEYED BY Reed DATE 9-87
DRAWN BY BJB DATE 5-88
TRACED BY DATE
BERLIN TH #4
PROJ. MEGC-M NO. 6200(2)S
SHEET 34 OF 73 SHEETS

PAVEMENT MARKING AND SIGN DETAIL SHEET



DURABLE 4" WHITE LINE

~~TH #4 14+00 (11' RT.) ~ 22+75 (11' RT.)~~ TH#5 7+46 BLT. – 99+94 LT.
~~TH #4 14+00 (11' LT.) ~ 17+20 (11' LT.)~~ 7+47 90 RT. – 99+94 RT.
~~TH #4 18+17 (11' LT.) ~ 22+75 (11' LT.)~~
TH #5 REV 99+60 (11' LT.) ~ TH #4 18+17 (11' LT.) 35' RADIUS
TH #5 REV 99+78 (11' RT.) ~ TH #4 17+20 (11' LT.) 35' RADIUS
TH #4 13+83 RT – 99+94 LT
13+83 RT – 23+84 RT

DURABLE 4" YELLOW LINE

TH #5 ~~75+00~~ 74+70 ~ 99+95 SOLID ℄
TH #4 14+00 ~ 17+44 SOLID ℄
TH #4 17+84 ~ 22+75 SOLID ℄

DURABLE 24" STOP BAR

TH #5 ~~99+93 RT.~~ ~ 99+95 RT.

DURABLE LETTER OR SYMBOL

TH #5 99+81 RT. ~ 99+89 RT. "STOP"
TH #5 94+75.5 RT. - 95+24 RT. "STOP AHEAD"

TEMPORARY 4" WHITE LINE

TH #5 REV 99+60 (11' LT.) ~ TH #4 18+17 (11' LT.) 35' RADIUS
TH #5 REV 99+78 (11' RT.) ~ TH #4 17+20 (11' LT.) 35' RADIUS
TH #4 21+30 (11' LT.) ~ 21+63 (11' LT.)
TH #4 21+30 (11' RT.) ~ 21+63 (11' RT.)

TEMPORARY 4" YELLOW LINE

TH #4 21+30 ~ 21+63 ℄
TH #5 75+00 ~ 99+95 ℄

TEMPORARY 24" STOP BAR

TH #5 99+93 RT. ~ 99+95 RT.

LINE STRIPING TARGETS

TH #4 14+00 (CL) ~ 22+75 (CL)
TH #5 75+00 (CL) ~ 100+05 (CL)

LEGEND

RWA =	ROAD WORK AHEAD
RW 500 =	ROAD WORK 500 FT
ER =	END ROAD WORK

CONSTRUCTION SIGNING DETAIL

NOT TO SCALE
SEE VAOT STANDARD E-100

SIGN LEGEND

N =	NEW
R =	REMOVE
R & S =	REMOVE AND SALVAGE

N.T.S.

PAVEMENT MARKING AND SIGN SHEET

SURVEYED BY	DATE
DRAWN BY LASKOWSKI	DATE 06-90
SQUAD LEADER PERKINS	
DESIGN FILE NO.	sqdd/87e055/de055.dgn
IPARM NAME de055pm.i	DATE PLOTTED 17-JUL-1997
PROJ. NAME	BERLIN
PROJ. NO.	MEGC-M6200(2)S
SHEET 33 OF 73 SHEETS	

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) 1.75 lb/ft 2.30	2.0 lb/ft 2.65	2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) 3.0 lb/ft 1.3	4.0 lb/ft 1.7	4.0 MOD lb/ft 1.7	TUBULAR STEEL Ø (in) FOUNDATION	3.0 lb/ft 7.6	3.5 lb/ft 9.0	4.0 lb/ft 10.8	5.0 lb/ft 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
TH #5 REV 95+00 RT		1	36	36	9.0						1			X		X		X																(W3-1A)		E-150
TH #5 REV 98+60 LT		1	24	30	5.0						1			X		X		X																(R2-1)		E-142
TH #5 REV 99+60 LT		1	24	30	5.0						1			X		X		X																(VR-017)		E-141
TH #5 REV 99+83 LT	DODGE RD HWY #4 SCOTT HILL RD HWY #5		4''	X 4'' WOOD POST						X																								SET SALVAGED POST [REMOVE FROM TH #5 SURV 99+88 (121'± RT)]		
TH #5 REV 99+85 RT		1	30	30	6.3						1			X		X		X																(R1-1)		E-143
											LB	LB	LB 156	LB	LB 111	LB	LB 45	LB	LB	LB	LB		LB	LB	LB	LB										
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE TRAFFIC & SAFETY DIVISION'S "SIGN POST DESIGN GUIDELINE."	**TOTALS**	SF 25.3	SF	EA.	SF		LB 156				LB 156				LB		EA.		LB			EA.	EA.	LB											

NOTES & DETAILS See Sheet 34A of 73

PROJECT:	PROJECT NO.:
BERLIN	MEGC-M6200(2)S

DESIGN FILE NAME: 87e055/de055.dgn
IPARM FILE NAME: de055ts.i
SURVEYED BY:
SQUAD LEADER: BOHL

PLOT DATE: 17-JUL-1997
SURVEY DATE:
DRAWN BY: LASKOWSKI
SHEET: 34 OF 73

TRAFFIC SIGN SUMMARY SHEET

TRAFFIC SIGN SUMMARY SHEET

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS	NEW AND SALVAGED SIGNS				EXISTING POSTS				NEW SIGN POSTS																REMARKS	SIGN DETAIL	
			"A"	"B"	SALV. SIGN	SALV. T.I.S.	RET.	DRILL	REM.	SALV.	NUMBER OF POSTS	FLANGED CHANNEL LB./FT.				TUBULAR ALUMINUM		TUBULAR STEEL					W SHAPED STEEL		FTG. SIZE		SIGN FRAME		PLAN SHEET NUMBER	STD. SHEET NUMBER
												1.12	2.0	2.5	3.0	3.0"ø	4.0"ø	FOUND-ATION	3"ø	3.5"ø	4.0"ø	5.0"ø	POST SIZE	WEIGHT	24"	30"				
88+0 LT	PEDEST.	30"x30"	6.25												14														
95+0 RT.	STOP AHEAD	36"x36"	9.00												14														
97+50 RT.	CHEVRON LEFT	18"x24"	3.00												14														
98+0 RT.	CHEVRON LEFT	18"x24"	3.00												14														
98+50 RT	CHEVRON LEFT	18"x24"	3.00												14														
98+60 LT	SPEED LIMIT 35	24"x30"	5.00												14														
98+60 LT	LEGAL LOAD LIMIT	24"+30"	5.00		1										14														
99+85 RT	STOP	30"x30"	6.25		1 1 1										14														
TH #4 10+0 RT		30"x30"	6.25												14												INTER SECTION		
TH #4 14+49 LT	CHEVRON RIGHT	18"x24"	3.00												14												DRIVING NORTH		
TH #4 15+20 LT	CHEVRON RIGHT	18"x24"	3.00												14												✓		
TH #4 15+21 LT	CHEVRON LEFT	18"x24"	3.00												14												DRIVING SOUTH		
TH #4 15+96 LT	CHEVRON RIGHT	18"x24"	3.00												14												DRIVING NORTH		
TH #4 15+97 LT	CHEVRON LT.	18"x24"	3.00												14												DRIVING SOUTH		
TH #4 16+70 LT	CHEVRON LT.	18"x24"	3.00												14												✓		
TH #4 17+44	OBJECT MARKER	12"x36"	3.00												12												MARKS POLE GUY WIRE		
13+89 LT	SPEED LIMIT				1										16														
13+89 LT	LEGAL LOAD				1																								
20+38 RT	SPEED LIMIT				1										16														
20+38 RT	LEGAL LOAD				1																								
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE DESIGN DIVISION'S " SIGN POST DESIGN MANUAL ". TOTALS			SF. 67.75	SF.	EA. 8	SF.						240x3#= 720# 720#				EA.								LBS.	EA.	EA.		BERLIN MEGC MG200(2)S		

PREPARED BY _____ DATE____
CHECKED BY _____ DATE____
DESIGN SUPERVISOR _____ DATE____
PROJ.

TRAFFIC SHEET NO.____ OF ____
SHEET 34A OF 73 SHEETS

WETLAND CREATION AND PLANTING DETAILS

NOTES:

SILT FENCE SHALL BE PROPERLY INSTALLED PRIOR TO ANY CONSTRUCTION ACTIVITY WITHIN THE AREA. SILT FENCE SHALL BE REGULARLY MAINTAINED, AND TRAPPED SEDIMENTS SHALL BE CLEANED OUT WHEN THEY HAVE REACHED ONE HALF THE HEIGHT OF THE FENCE AND BEFORE MAJOR PREDICTED RAINFALLS. THE SILT FENCE WILL BE REMOVED ONCE THE VEGETATION HAS BEEN ESTABLISHED SUCCESSFULLY. SILT FENCE SHALL ALSO BE INSTALLED ALONG TOE OF EXCAVATED SIDESLOPES ONCE GRADED TO PROTECT NEW WETLAND AREAS.

ALL EXPOSED SOILS SHALL BE SEEDED AND MULCHED AS SOON AS POSSIBLE AFTER FINAL GRADING AND EROSION REPAIRS.

AREAS DESIGNATED FOR CONSTRUCTION OF WETLANDS SHALL BE UNDERCUT 12 INCHES (PAID AS COMMON EXCAVATION) FROM FINISHED GRADE. THIS UNDERCUT SHALL BE BACK-FILLED TO FINISH GRADE WITH MATERIAL PAID FOR AS GRUBBING MATERIAL, MOD.

GRUBBING MATERIAL, MOD. SHALL BE EXCAVATED FROM THE EXISTING TOP 12 INCH LAYER OF MATERIAL IN THE CLASS II WETLAND AREAS IMPACTED BY THE NEW ROADWAY SIDESLOPES. THESE AREAS ARE REV. 94+00 THRU 96+00 LT. AND RT., ONCE EXCAVATED, THIS MATERIAL SHALL BE STOCKPILED IN A CONTROLLED AREA FREE FROM POSSIBLE CONTAMINATION OF OTHER MATERIALS AND/OR POLLUTANTS.
THIS STOCKPILE SHALL BE KEPT MOIST AND COOL TO AVOID FERMENTING. CONSTRUCTION PHASING SHALL BE PLANNED SO STOCKPILED TIME IS KEPT TO AN ABSOLUTE MINIMUM.

CREATED WETLAND AREAS SHALL BE SEEDED WITH WETLAND SEED MIXTURE AT A RATE OF ONE POUND PER 2500 SQUARE FEET. CREATED WETLAND AREAS SHALL NOT BE HYDROSEEDED, FERTILIZED, MULCHED, OR HAVE AGRICULTURAL LIMESTONE APPLIED TO THEM.

SHRUB PLACEMENT AS INDICATED ON PLAN IS CONCEPTUAL ONLY. ACTUAL PLACEMENT OF SHRUBS IS DEPENDENT UPON HYDRIC SOIL CONDITIONS, AND SHALL BE DETERMINED BY RESIDENT ENGINEER.

SHRUBS SHALL NOT BE ACCLIMATED TO HYDRIC SOILS ONLY. SHRUBS SHOULD BE TOLERANT OF A RANGE OF SOIL CONDITIONS.

RODENT GUARDS (SILT FENCES) SHALL BE INSTALLED AROUND EACH GROUP OF NEW SHRUB PLANTINGS TO PROVIDE PROTECTION AGAINST RODENTS AND OTHER ANIMALS DURING THE INITIAL ESTABLISHMENT PERIOD. SILT FENCES ARE TO BE REMOVED AT THE END OF THE FIRST YEAR ESTABLISHMENT PERIOD.

THE CONTRACTOR SHALL PRESERVE ALL EXISTING VEGETATION OUTSIDE OF THE CONSTRUCTION LIMITS DURING CONSTRUCTION.

LEGEND

CLASS II BUFFER ZONE

CLASS II PF01/4Y

CLASS II POWZ

GROUP OF 5 SHRUBS

GROUP OF 10 SHRUBS

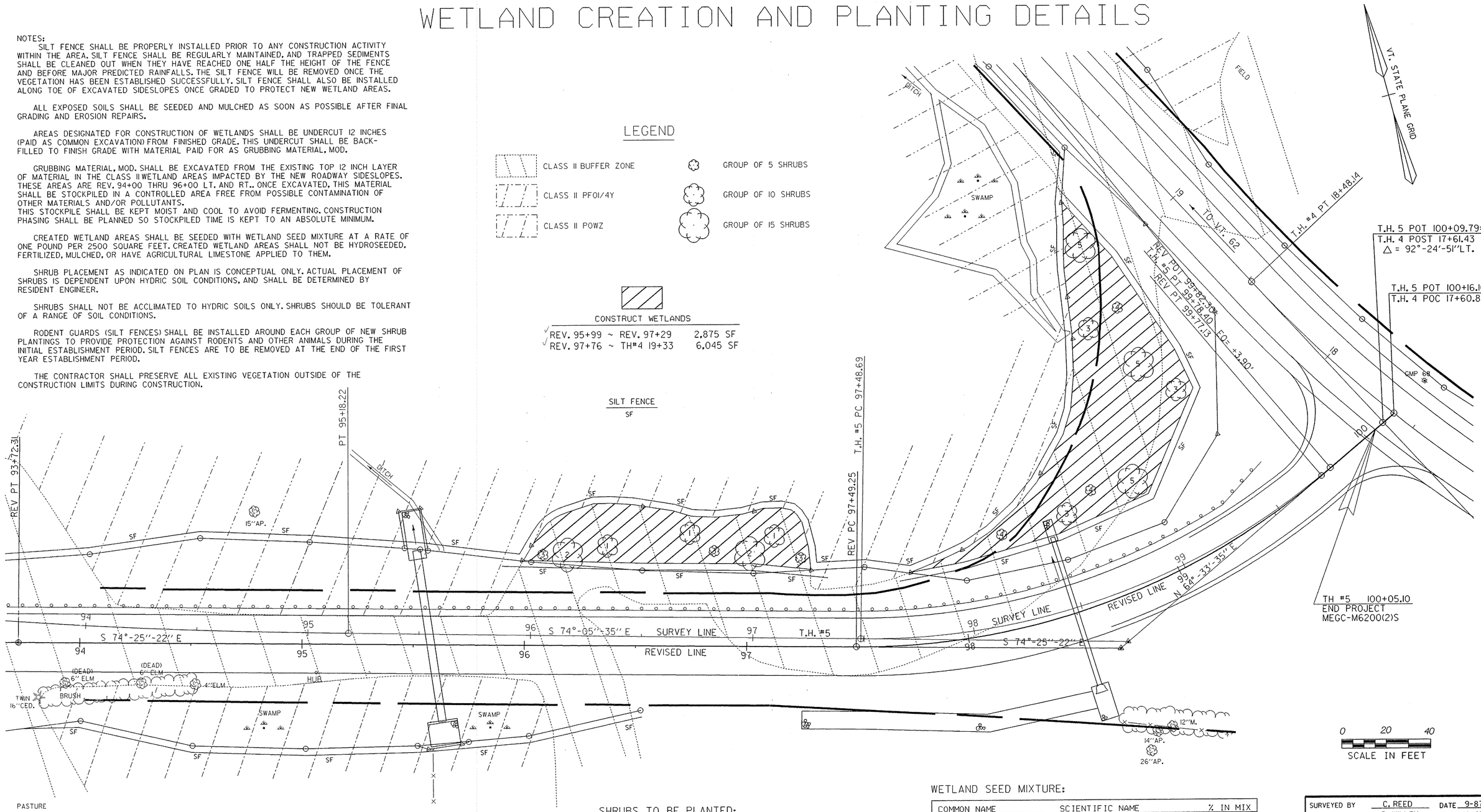
GROUP OF 15 SHRUBS

CONSTRUCT WETLANDS

√ REV. 95+99 ~ REV. 97+29	2,875 SF
√ REV. 97+76 ~ TH#4 19+33	6,045 SF

SILT FENCE

SF



0 20 40

SCALE IN FEET

SHRUBS TO BE PLANTED:

QUANTITY	TYPE	SIZE
15	4. RED-OSIER DOGWOOD (CORNUS STOLONIFERA)	18" - 24"
30	2. HIGHBUSH CRANBERRY (VIBURNUM TRILOBUM)	18" - 24"
30	1. ARROWWOOD (VIBURNUM RECOGNITUM)	18" - 24"
45	3. SILKY DOGWOOD (CORNUS AMOMUM)	18" - 24"
45	5. NANNYBERRY (VIBURNUM LENTAGO)	18" - 24"

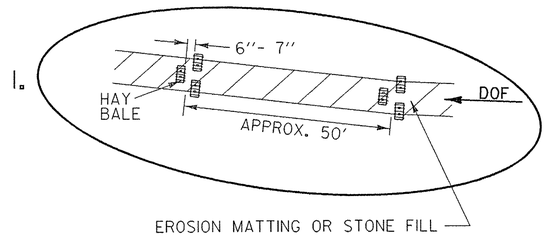
WETLAND SEED MIXTURE:

COMMON NAME	SCIENTIFIC NAME	% IN MIX
LURID SEDGE	CAREX LURIDA	30
FOWEL MEADOW GRASS	GLYCERIA CANADENSIS	25
FRINGED SEDGE	CAREX CRINITA	10
JOE-PYE WEED	EUPATORIADELPHUS MACULATUS	10
BROOM SEDGE	CAREX SPP., OVALES GROUP	10
WOOLGRASS	SCIRPUS CYPERINUS	5
BONESET	EUPATORIUM PERFOLIATUM	5
TUSSOCK SEDGE	CAREX STRICTA	<5
BLUE VERVAIN	VERBENA HASTATA	<5

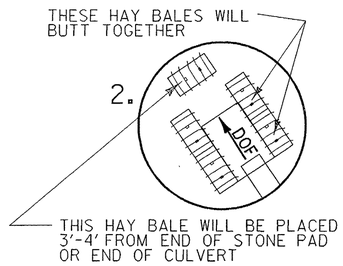
SURVEYED BY	C. REED	DATE	9-87
DRAWN BY	D. WILLEY	DATE	10-87
SQUAD LEADER	T. BOHL		
DESIGN FILE NO.	/sqdd/87e055/de055bor.dgn		
IPARM FILE	de055wet.I	DATE PLOTTED	17-JUL-1997
PROJ. NAME	BERLIN		
PROJ. NO.	MEGC-M6200(2)S		
SHEET 36 OF 73 SHEETS			

TEMPORARY EROSION CONTROL PLANS TYPICAL SHEET

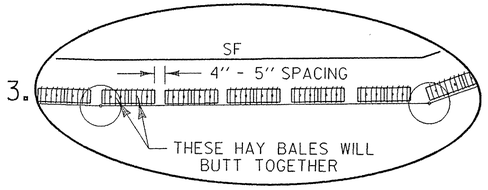
HAY BALE CHECK DAMS FOR LINED DITCHES



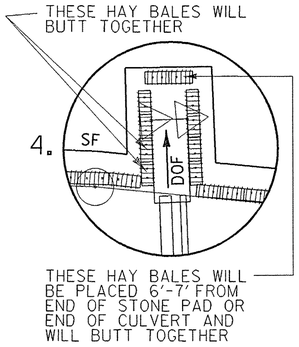
CULVERT OUTLET PROTECTION BEYOND CONSTRUCTION LIMIT OR IN DITCH



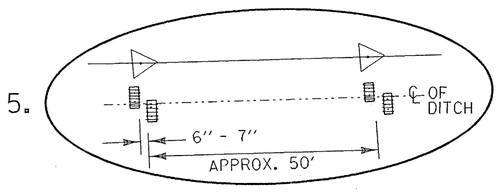
SILT FENCE & HAY BALE EROSION CHECK @ FILL TOE/DAYLIGHT SECTION

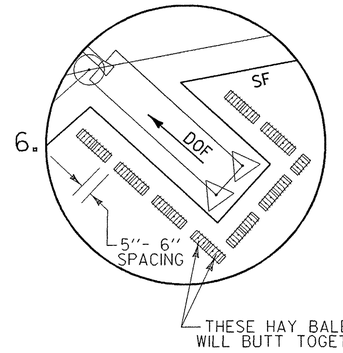


CULVERT OUTLET PROTECTION AT TOE OF SLOPE



HAY BALE DITCH CHECK DAMS





EXPOSED CULVERT INLET PROTECTION

GENERAL NOTES

1. EROSION CONTROL MATERIALS WILL BE PLACED AS ILLUSTRATED ON NEWLY CONSTRUCTED AREAS AS SOON AS POSSIBLE.
2. DURING CONSTRUCTION, EVERY EFFORT WILL BE MADE TO KEEP DEBRIS AND SEDIMENT OUT OF THE DITCH. HAY BALES WILL BE USED AS ILLUSTRATED TO INSURE BANK STABILITY.
3. HAY BALES SHALL BE INSPECTED AND CLEANED AS NEEDED.

DOF / DOF — DIRECTION OF FLOW

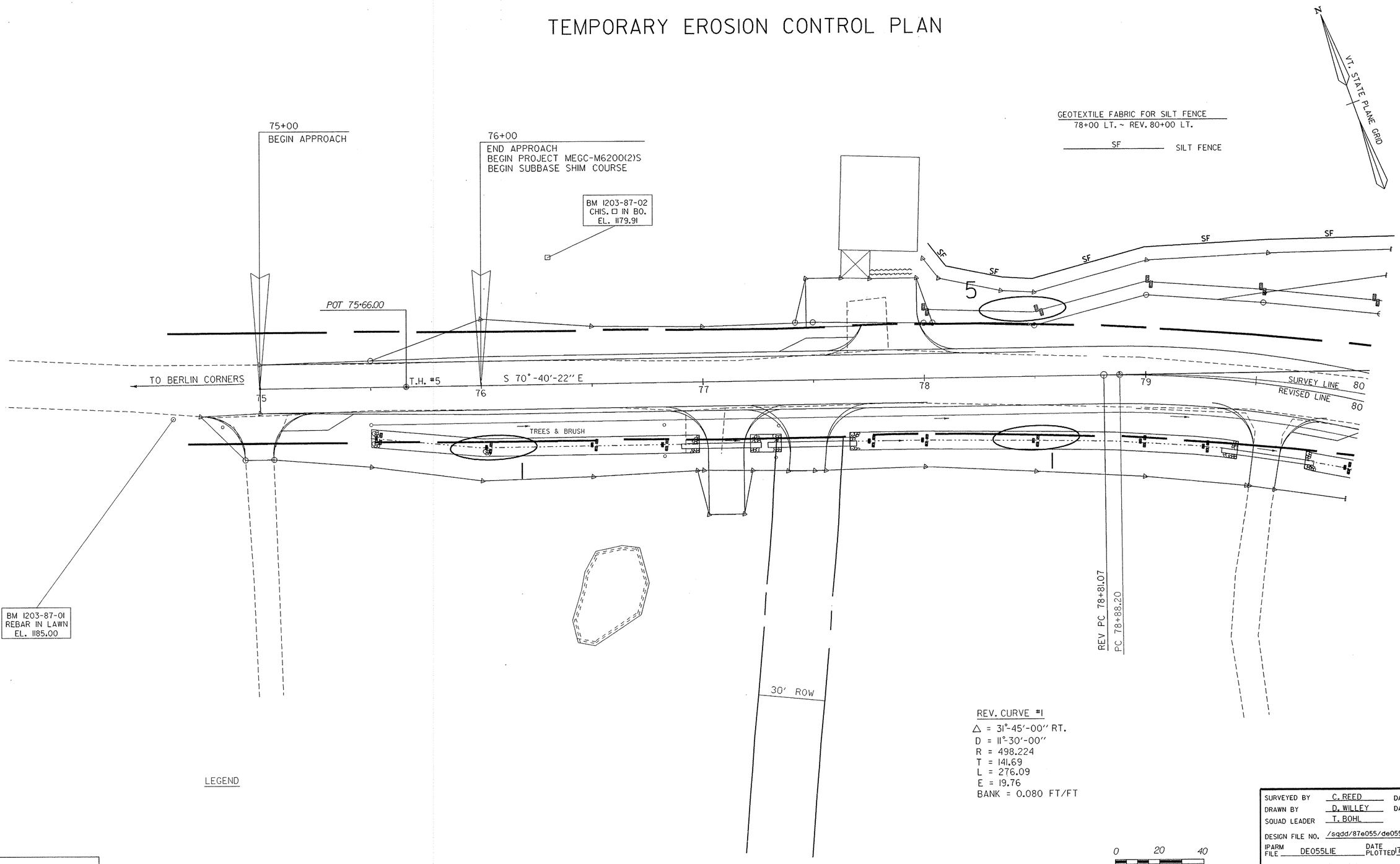
(SF) DENOTES GEOTEXTILE FOR SILT FENCE

NOT TO SCALE

DATUM
VERTICAL NGVD 1929
HORIZONTAL N/A

SURVEYED BY C.REED DATE 9/87
DRAWN BY SQUAD D DATE 7/96
SQUAD LEADER BOHL
DESIGN FILE NO. /SQDD/87E055/DE055.DGN
IPARM FILE DE055ER0 DATE PLOTTED 17-JUL-1997
PROJ. NAME BERLIN
PROJ. NO. MEGC-M6200(2)S
SHEET 37 OF 73 SHEETS

TEMPORARY EROSION CONTROL PLAN



REV. CURVE #1
△ = 31°-45'-00" RT.
D = 11°-30'-00"
R = 498.224
T = 141.69
L = 276.09
E = 19.76
BANK = 0.080 FT/FT

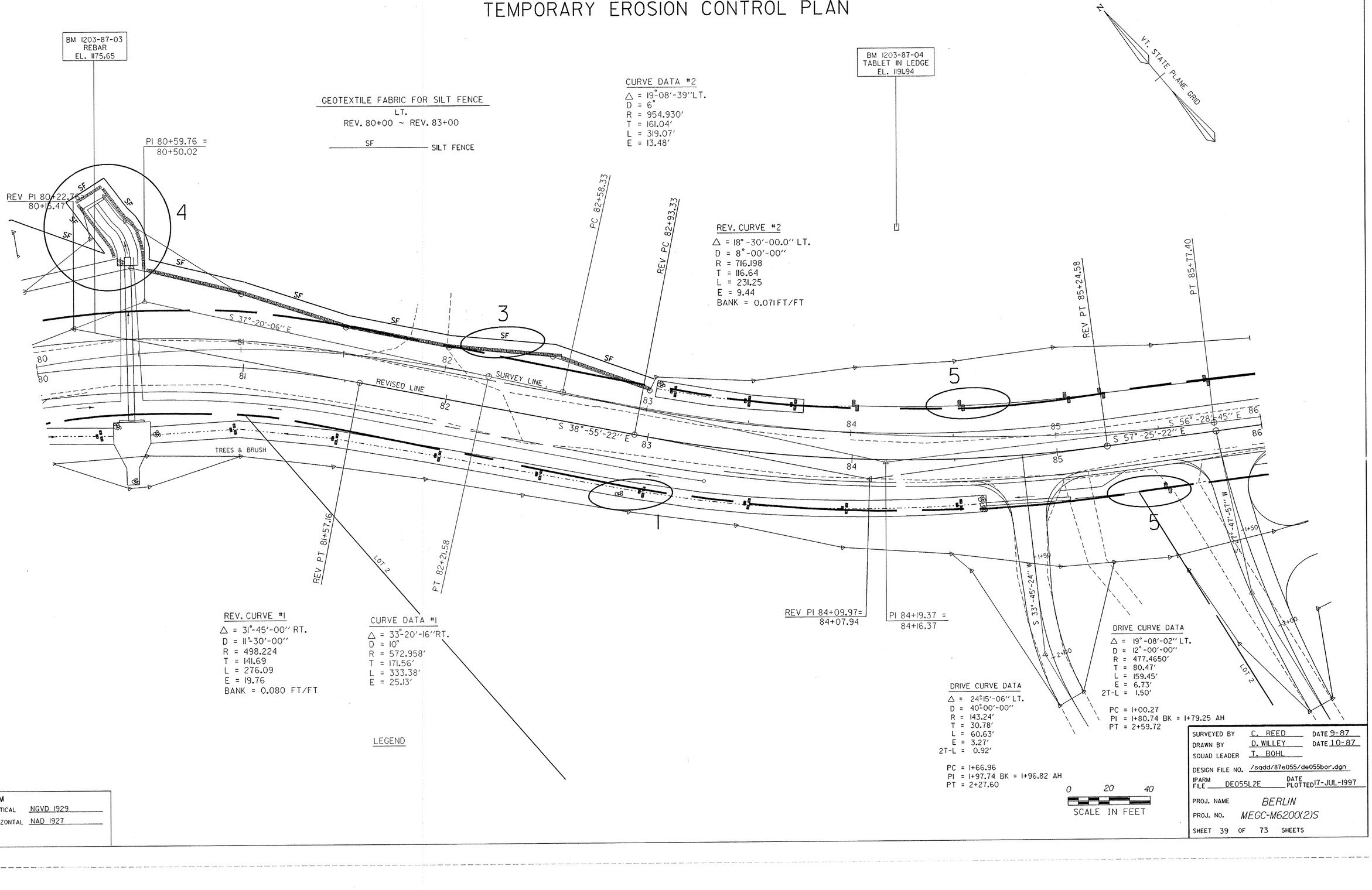
LEGEND

0 20 40
SCALE IN FEET

DATUM
VERTICAL NGVD 1929
HORIZONTAL NAD 1927

SURVEYED BY C. REED DATE 09-87
DRAWN BY D. WILLEY DATE 10-87
SQUAD LEADER T. BOHL
DESIGN FILE NO. /sqdd/87e055/de055bor.dgn
IPARM FILE DE055LIE DATE PLOTTED 17-JUL-1997
PROJ. NAME BERLIN
PROJ. NO. MEGC-M6200(2)S
SHEET 38 OF 73 SHEETS

TEMPORARY EROSION CONTROL PLAN



DATUM
VERTICAL NGVD 1929
HORIZONTAL NAD 1927

SURVEYED BY C. REED DATE 9-87
DRAWN BY D. WILLEY DATE 10-87
SQUAD LEADER T. BOHL
DESIGN FILE NO. /sqdd/87e055/de055bor.dgn
IPARM FILE DE055L2E DATE PLOTTED 17-JUL-1997
PROJ. NAME BERLIN
PROJ. NO. MEGC-M6200(2)S
SHEET 39 OF 73 SHEETS

TEMPORARY EROSION CONTROL PLAN

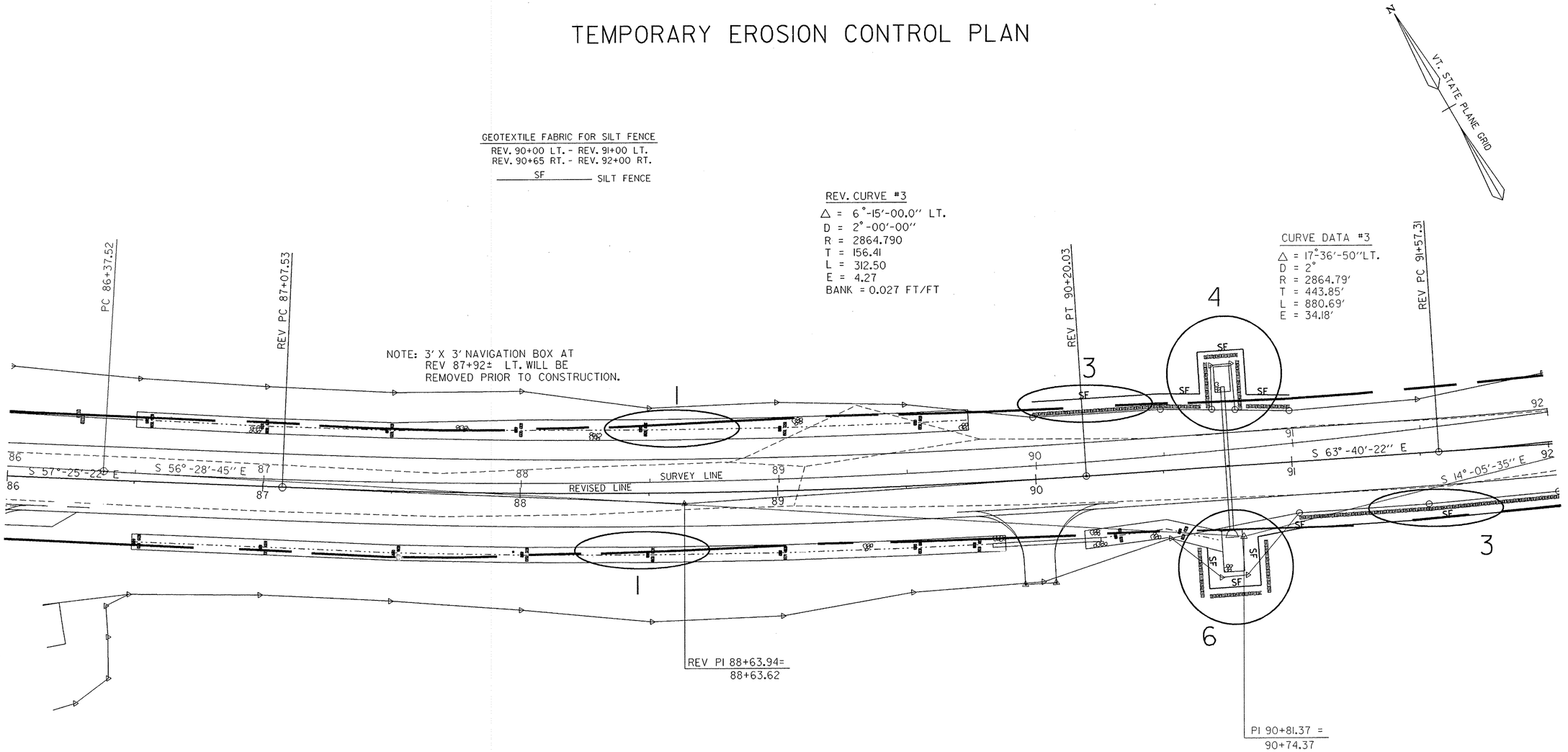
GEOTEXTILE FABRIC FOR SILT FENCE
REV. 90+00 LT. - REV. 91+00 LT.
REV. 90+65 RT. - REV. 92+00 RT.

SF ——— SILT FENCE

REV. CURVE #3
△ = 6°-15'-00.0'' LT.
D = 2°-00'-00''
R = 2864.790
T = 156.41
L = 312.50
E = 4.27
BANK = 0.027 FT/FT

CURVE DATA #3
△ = 17°-36'-50''LT.
D = 2°
R = 2864.79'
T = 443.85'
L = 880.69'
E = 34.18'

NOTE: 3' X 3' NAVIGATION BOX AT REV 87+92± LT. WILL BE REMOVED PRIOR TO CONSTRUCTION.



REV PI 88+63.94=
88+63.62

PI 90+81.37 =
90+74.37

LEGEND

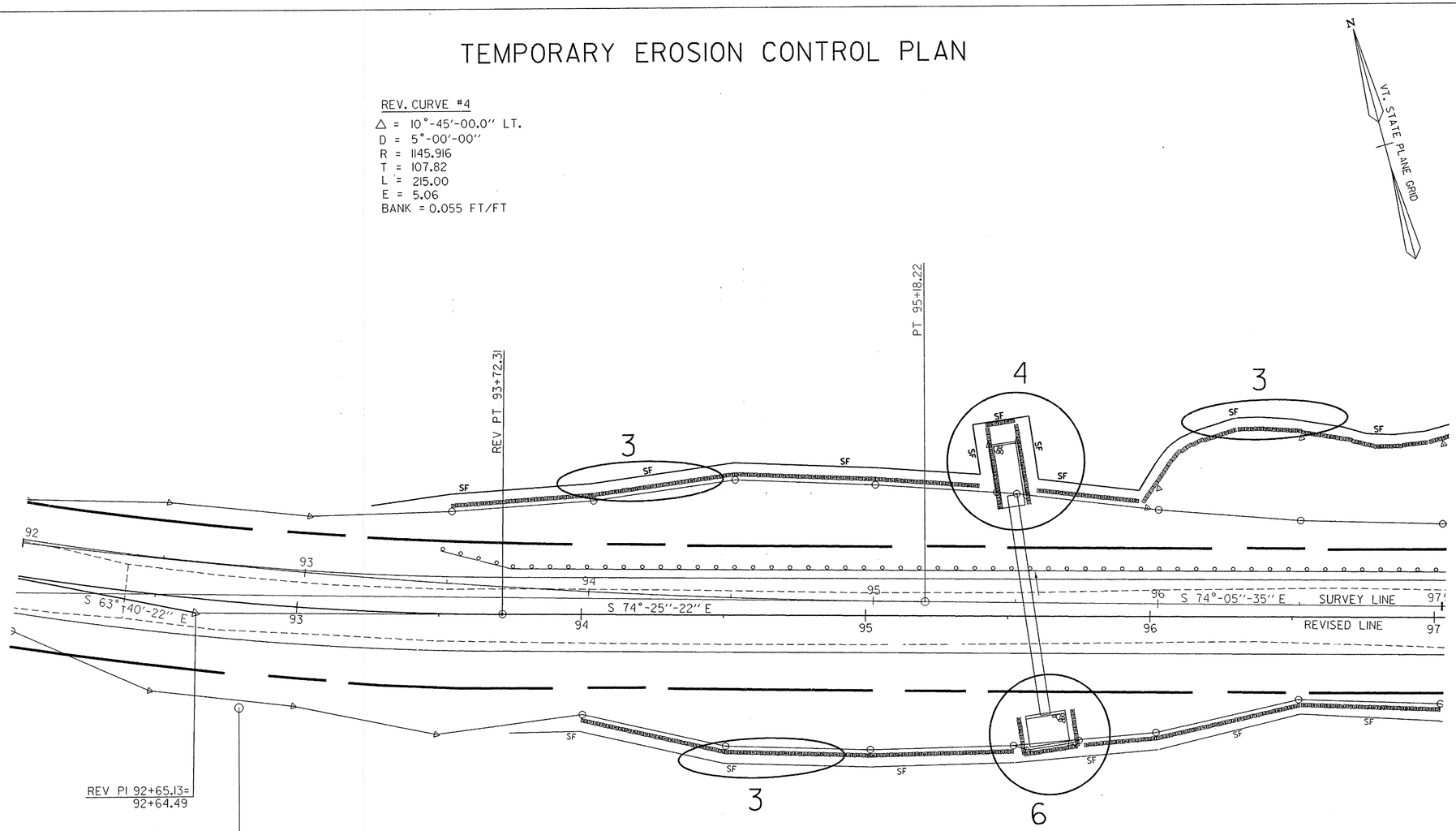
0 20 40
SCALE IN FEET

DATUM
VERTICAL NGVD 1929
HORIZONTAL NAD 1927

SURVEYED BY C. REED DATE 9-87
DRAWN BY D. WILLEY DATE 10-87
SQUAD LEADER T. BOHL
DESIGN FILE NO. /sqdd/87e055/de055bor.dgn
IPARM FILE DE055L3E DATE PLOTTED 17-JUL-1997
PROJ. NAME BERLIN
PROJ. NO. MEGC-M6200(2)S
SHEET 40 OF 73 SHEETS

TEMPORARY EROSION CONTROL PLAN

REV. CURVE #4
△ = 10°-45'-00.0" LT.
D = 5°-00'-00"
R = 1145.916
T = 107.82
L = 215.00
E = 5.06
BANK = 0.055 FT/FT



LEGEND

GEOTEXTILE FOR SILT FENCE

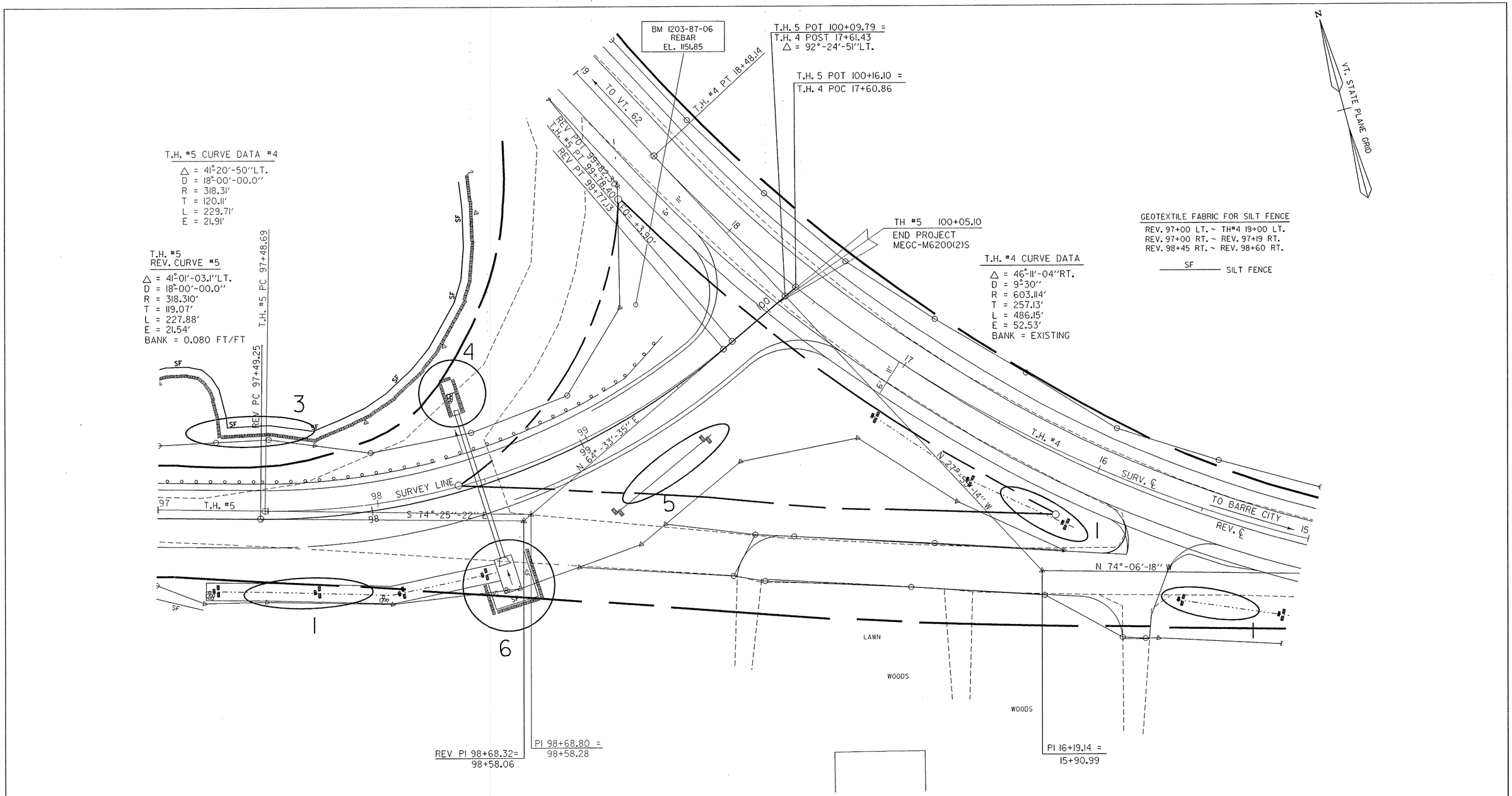
REV. 93+24 LT. - REV. 97+00 LT.
REV. 93+76 RT. - REV. 97+00 RT.

SF ——— SILT FENCE

0 20 40
SCALE IN FEET

DATUM
VERTICAL NGVD 1929
HORIZONTAL NAD 1927

SURVEYED BY C. REED DATE 9-87
DRAWN BY D. WILLEY DATE 10-87
SQUAD LEADER T. BOHL
DESIGN FILE NO. /sqdd/87e055/de055bor.dgn
IPARM FILE DE055L4E DATE PLOTTED 17-JUL-1997
PROJ. NAME BERLIN
PROJ. NO. MEGC-M6200(2)S
SHEET 41 OF 73 SHEETS



LEGEND

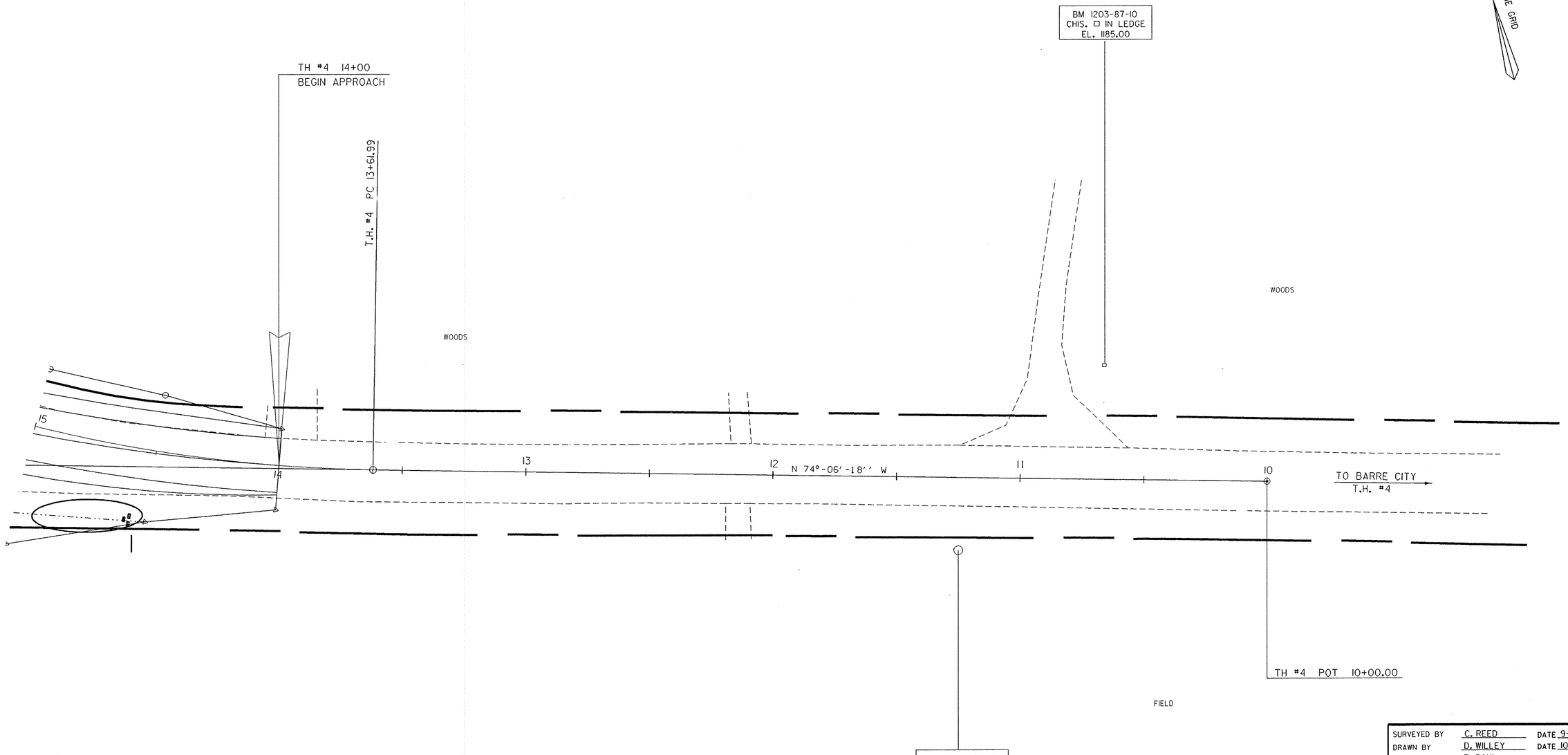
TEMPORARY EROSION CONTROL PLAN

0 20 40
SCALE IN FEET

DATUM
VERTICAL NGVD 1929
HORIZONTAL NAD 1927

SURVEYED BY C. REED DATE 9-87
DRAWN BY D. WILLEY DATE 10-87
SQUAD LEADER T. BOHL
DESIGN FILE NO. /sqdd/87e055/de055bor.dgn
IPARM FILE de05515e.1 DATE PLOTTED 17-JUL-1997
PROJ. NAME BERLIN
PROJ. NO. MEGC-M6200(2)S
SHEET 42 OF 73 SHEETS

TEMPORARY EROSION CONTROL PLAN



DATUM
VERTICAL NGVD 1929
HORIZONTAL NAD 1927

SURVEYED BY C. REED DATE 9-87
DRAWN BY D. WILLEY DATE 10-87
SQUAD LEADER T. BOHL
DESIGN FILE NO. /sqdd/87e055/de055bor.dgn
IPARM FILE DE055L6E DATE PLOTTED 17-JUL-1997
PROJ. NAME *BERLIN*
PROJ. NO. *MEGC-M6200(2)S*
SHEET 43 OF 73 SHEETS

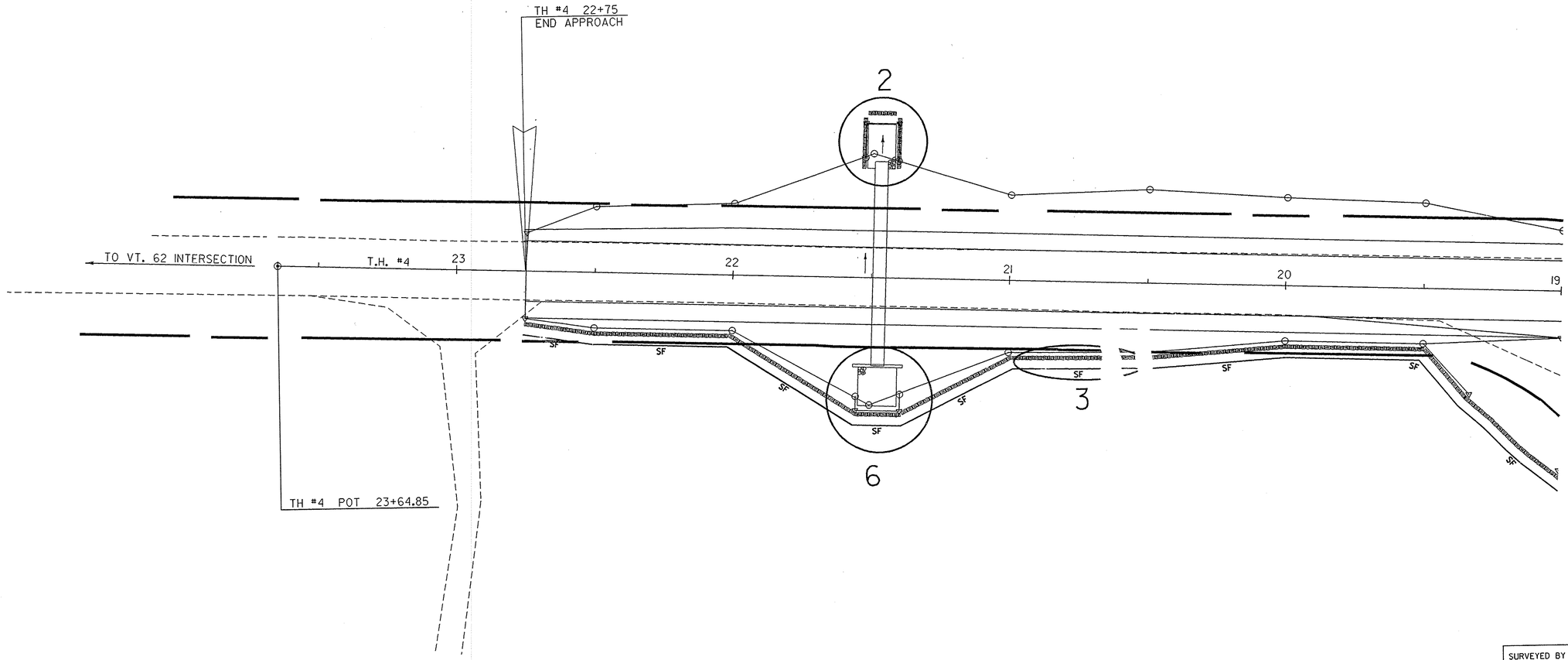
TEMPORARY EROSION CONTROL PLAN

N

VT. STATE PLANE GRID

GEOTEXTILE FABRIC FOR SILT FENCE
TH #4 19+00 LT.~ TH #4 22+75 LT.

SF SILT FENCE

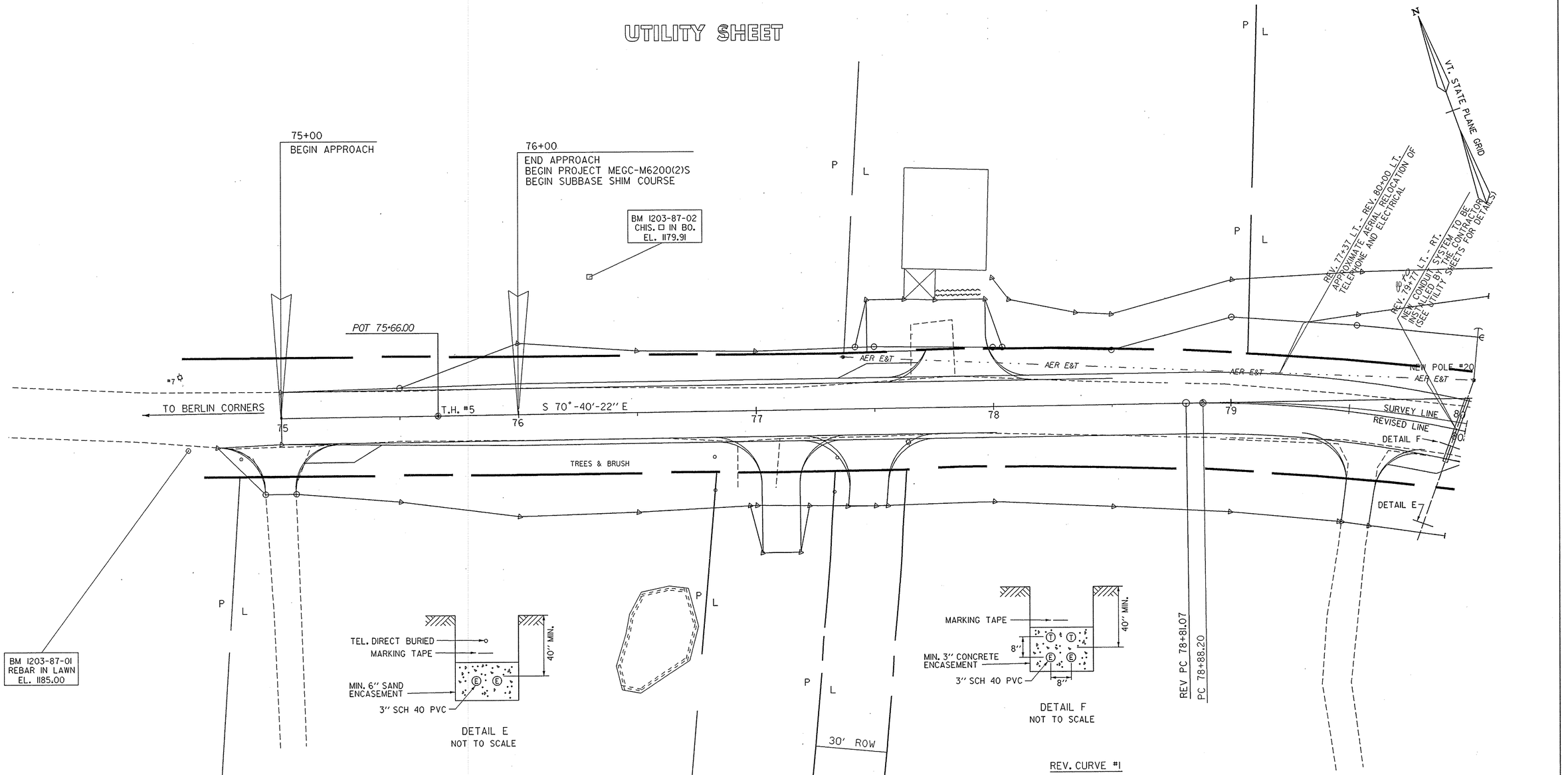


0 20 40
SCALE IN FEET

DATUM
VERTICAL NGVD 1929
HORIZONTAL NAD 1927

SURVEYED BY C. REED DATE 9-87
DRAWN BY D. WILLEY DATE 10-87
SQUAD LEADER T. BOHL
DESIGN FILE NO. /sqdd/87e055/de055bor.dgn
IPARM FILE DE055L7E DATE PLOTTED 17-JUL-1997
PROJ. NAME BERLIN
PROJ. NO. MEGC-M6200(2)S
SHEET 44 OF 73 SHEETS

UTILITY SHEET



DETAIL E
NOT TO SCALE

DETAIL F
NOT TO SCALE

REV. CURVE #1
△ = 31°-45'-00" RT.
D = 11°-30'-00"
R = 498.224
T = 141.69
L = 276.09
E = 19.76
BANK = 0.080 FT/FT

LEGEND

— AER E&T — AERIAL TELEPHONE AND ELECTRICAL

0 20 40
SCALE IN FEET

SURVEYED BY	C. REED — DATE 09-87
DRAWN BY	D. WILLEY — DATE 10-87
SQUAD LEADER	T. BOHL
DESIGN FILE NO.	/sqdd/87e055/de055bor.dgn
IPARM FILE	DE055UTI — DATE PLOTTED 17-JUL-1997
PROJ. NAME	BERLIN
PROJ. NO.	MEGC-M6200(2)S
SHEET	45 OF 73 SHEETS

DATUM	
VERTICAL	NGVD 1929
HORIZONTAL	NAD 1927

UTILITY SHEET

BM 1203-87-03
REBAR
EL. 1175.65

BM 1203-87-04
TABLET IN LEDGE
EL. 1191.94

N

VT. STATE PLANE GRID

CURVE DATA #2
△ = 19°-08'-39" LT.
D = 6°
R = 954.930'
T = 161.04'
L = 319.07'
E = 13.48'

REV. CURVE #2
△ = 18°-30'-00.0" LT.
D = 8°-00'-00"
R = 716.198
T = 116.64
L = 231.25
E = 9.44
BANK = 0.071FT/FT

PI 80+59.76 =
80+50.02

REV PI 80+22.76=
80+15.47

REV. 80+00 LT. - REV. 83+00 LT.
APPROXIMATE AERIAL RELOCATION OF
TELEPHONE AND ELECTRICAL

PC 82+58.33

REV PC 82+93.33

REV. 83+00 LT. - REV. 85+90 LT.
APPROXIMATE AERIAL RELOCATION OF
TELEPHONE AND ELECTRICAL

REV. 85+50 RT. - REV. 85+90 RT.
NEW 3" CONDUITS TO BE INSTALLED DURING
CONSTRUCTION. SEE UTILITY SHEETS FOR DETAILS
PROPOSED AERIAL RELOCATION OF TELEPHONE
AND ELECTRICAL DURING CONSTRUCTION.

REV PT 85+24.58

PT 85+77.40

INSTALL
GUY
AFTER
GRADING

NEW POLE #21

NEW POLE #22

AER E&T

S 37°-20'-06" E

S 38°-55'-22" E

S 57°-25'-22" E

S 56°-28'-45" E

SURVEY LINE

REVISED LINE

#9
GMP 20

GMP
NET&T 95

#10/21

GMP 21½
10½

DETAIL C

DETAIL D

DETAIL E

CONCRETE UNDER
TRAVELED WAY

TREES & BRUSH

REV PT 81+57.16

PT 82+21.58

LOT 2

REMOVE OR REPLACE
METER PEDESTAL

NEW METER STANCHION
LOCATION

REV PI 84+09.97=
84+07.94

PI 84+19.37 =
84+16.37

S 33°-45'-24" W

CONCRETE UNDER
TRAVELED WAY

CONDUIT SIZED
TO MATCH
EXISTING

TRANSFORMER

REV. CURVE #1
△ = 31°-45'-00" RT.
D = 11°-30'-00"
R = 498.224
T = 141.69
L = 276.09
E = 19.76
BANK = 0.080 FT/FT

CURVE DATA #1
△ = 33°-20'-16" RT.
D = 10°
R = 572.958'
T = 171.56'
L = 333.38'
E = 25.13'

DRIVE CURVE DATA
△ = 24°15'-06" LT.
D = 40°00'-00"
R = 143.24'
T = 30.78'
L = 60.63'
E = 3.27'
2T-L = 0.92'

PC = 1+66.96
PI = 1+97.74 BK = 1+96.82 AH
PT = 2+27.60

DRIVE CURVE DATA
△ = 19°-08'-02" LT.
D = 12°-00'-00"
R = 477.4650'
T = 80.47'
L = 159.45'
E = 6.73'
2T-L = 1.50'

PC = 1+00.27
PI = 1+80.74 BK = 1+79.25 AH
PT = 2+59.72

MARKING TAPE
8" 8"
8"
MIN. 3" CONCRETE ENCASEMENT
3" SCH 40 PVC
40" MIN.

DETAIL D
NOT TO SCALE

TEL. DIRECT BURIED
MARKING TAPE
MIN. 6" SAND ENCASEMENT
3" SCH 40 PVC
40" MIN.

DETAIL E
NOT TO SCALE

MARKING TAPE
12"
MIN. 6" SAND ENCASEMENT
3" SCH 40 PVC
40" MIN.

DETAIL C
NOT TO SCALE

LEGEND

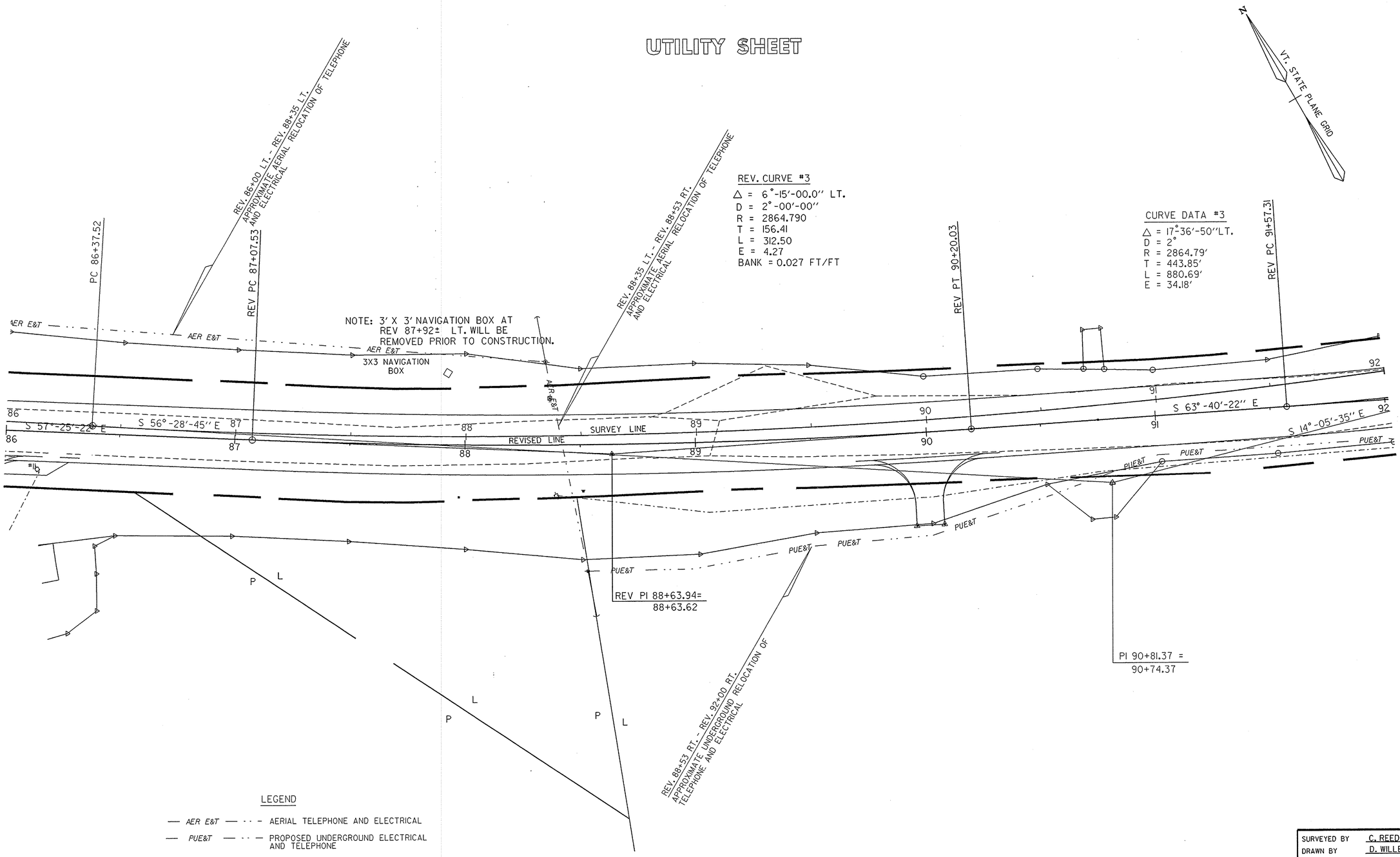
— AER E&T — AERIAL TELEPHONE AND ELECTRICAL

0 20 40
SCALE IN FEET

DATUM
VERTICAL NGVD 1929
HORIZONTAL NAD 1927

SURVEYED BY	C. REED	DATE 9-87
DRAWN BY	D. WILLEY	DATE 10-87
SQUAD LEADER	T. BOHL	
DESIGN FILE NO.	/sqdd/87e055/de055bor.dgn	
IPARM FILE	DE055UT2	DATE PLOTTED 17-JUL-1997
PROJ. NAME	BERLIN	
PROJ. NO.	MEGC-M6200(2)S	
SHEET	46 OF 73 SHEETS	

UTILITY SHEET



LEGEND

— AER E&T — · · — AERIAL TELEPHONE AND ELECTRICAL

— PUE&T — · · — PROPOSED UNDERGROUND ELECTRICAL AND TELEPHONE

0 20 40

SCALE IN FEET

DATUM

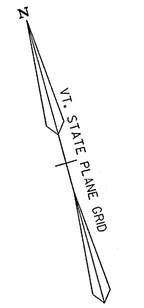
VERTICAL NGVD 1929

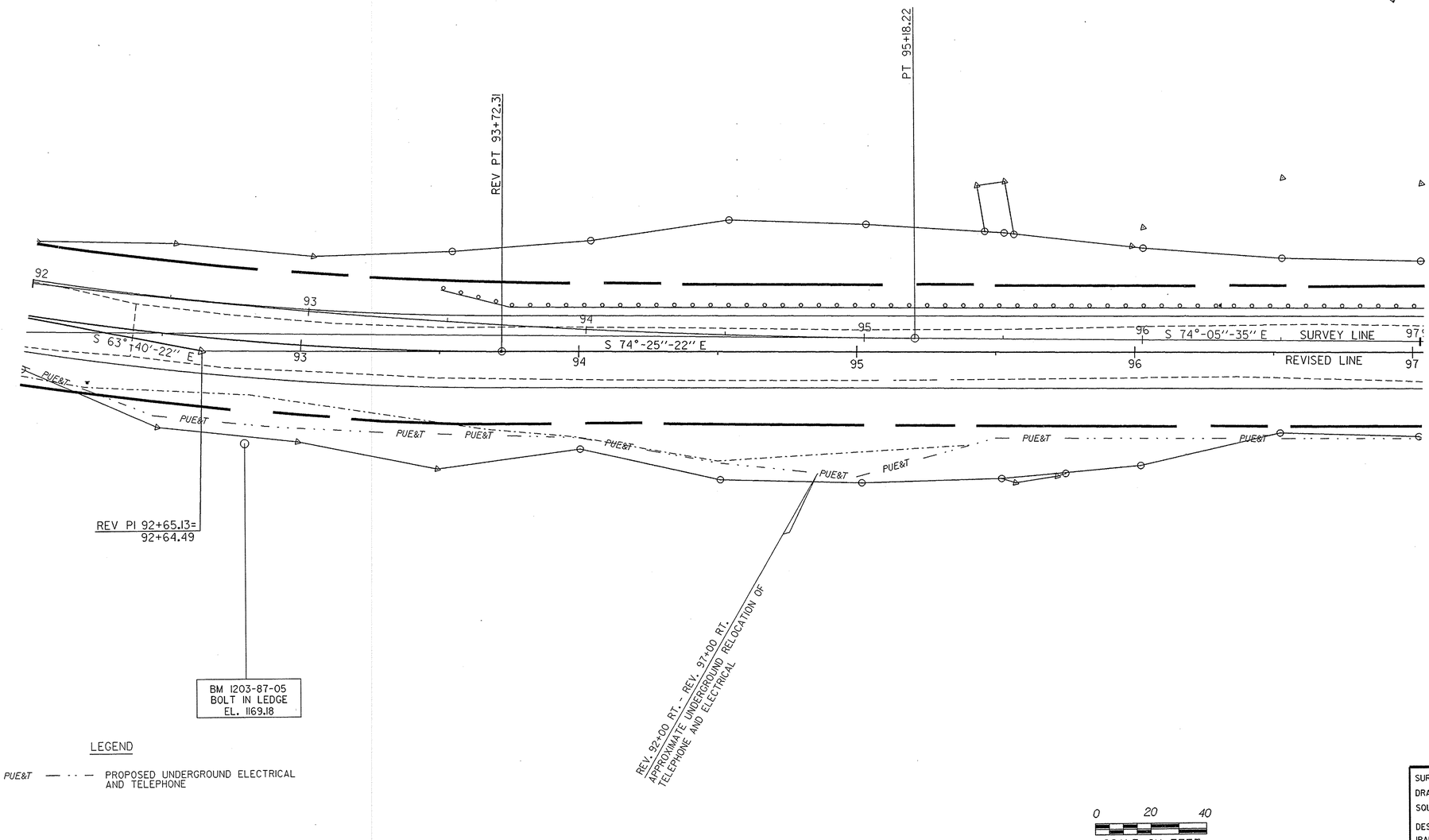
HORIZONTAL NAD 1927

SURVEYED BY	C. REED	DATE 9-87
DRAWN BY	D. WILLEY	DATE 10-87
SQUAD LEADER	T. BOHL	
DESIGN FILE NO.	/sqdd/87e055/de055bor.dgn	
IPARM FILE	de055ut3.i	DATE PLOTTED 17-JUL-1997
PROJ. NAME	BERLIN	
PROJ. NO.	MEGC-M6200(2)S	
SHEET	47 OF 73 SHEETS	

UTILITY SHEET

REV. CURVE #4
△ = 10°-45'-00.0" LT.
D = 5°-00'-00"
R = 1145.916
T = 107.82
L = 215.00
E = 5.06
BANK = 0.055 FT/FT





LEGEND

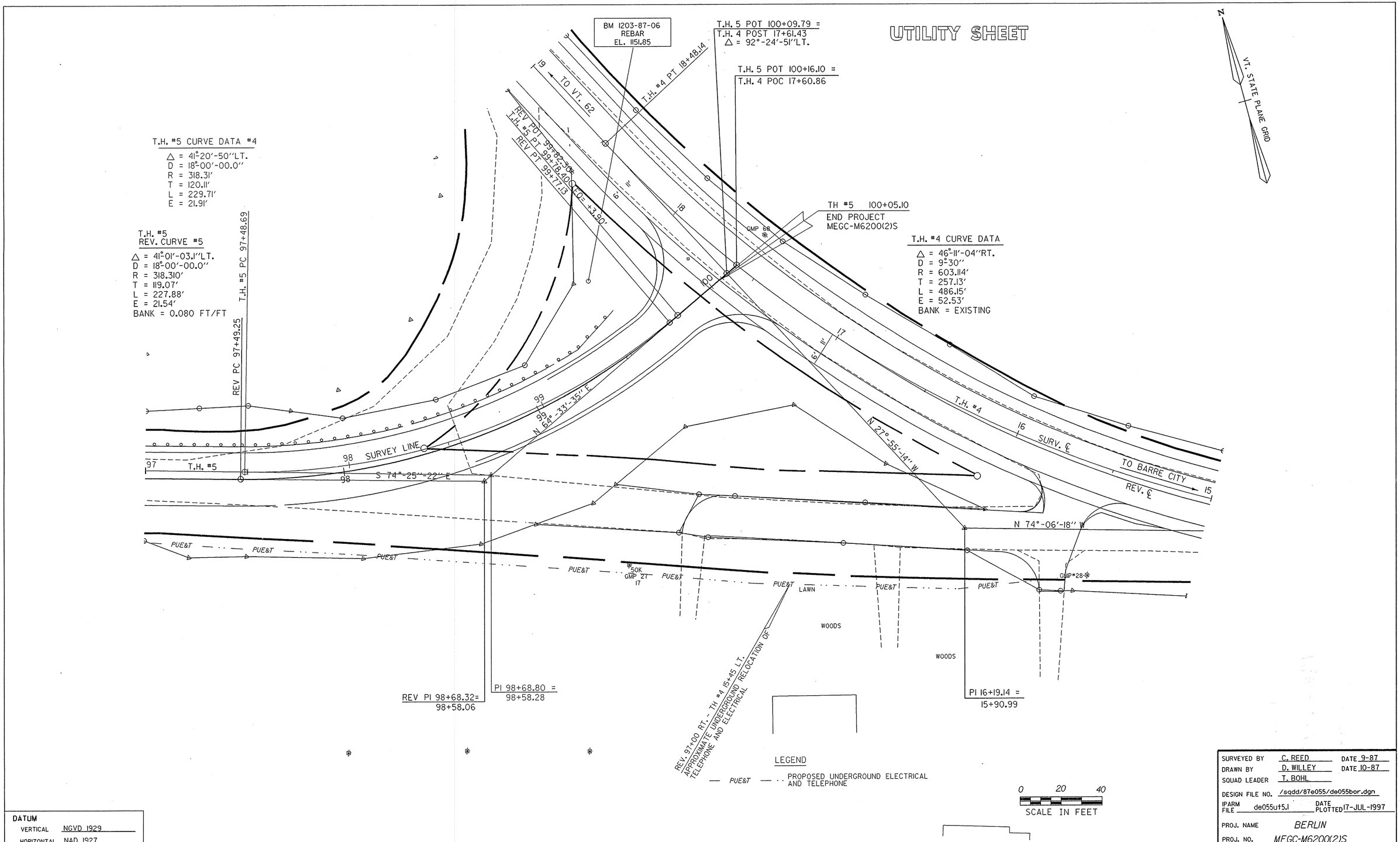
— PUE&T — · · — PROPOSED UNDERGROUND ELECTRICAL AND TELEPHONE

0 20 40
SCALE IN FEET

DATUM
VERTICAL NGVD 1929
HORIZONTAL NAD 1927

SURVEYED BY C. REED DATE 9-87
DRAWN BY D. WILLEY DATE 10-87
SQUAD LEADER T. BOHL
DESIGN FILE NO. /sqdd/87e055/de055bor.dgn
IPARM FILE de055ut4.i DATE PLOTTED 17-JUL-1997
PROJ. NAME BERLIN
PROJ. NO. MEGC-M6200(2)S
SHEET 48 OF 73 SHEETS

UTILITY SHEET



DATUM
VERTICAL NGVD 1929
HORIZONTAL NAD 1927

SURVEYED BY	C. REED	DATE	9-87
DRAWN BY	D. WILLEY	DATE	10-87
SQUAD LEADER	T. BOHL		
DESIGN FILE NO.	/sqdd/87e055/de055bor.dgn		
IPARM FILE	de055ut5.i	DATE PLOTTED	17-JUL-1997
PROJ. NAME	BERLIN		
PROJ. NO.	MEGC-M6200(2)S		
SHEET 49 OF 73 SHEETS			

E RD

RD

E RD

℄

74+00

1180

E RD

RD

E RD

℄

73+50

1180

E RD

RD

E RD

℄

73+00

1180

E RD

RD

E RD

℄

72+50

1180

E RD

RD

E RD

℄

72+00

1180

Scott Hill Rd. TH #5

FROM STA. 72+00 TO STA. 74+00

PROJECT NAME BERLIN MAIN

NO. ~~MEGC~~ M6200(2)S PLOTTED 06/05/90

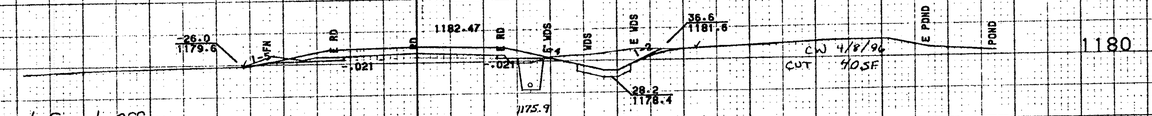
SURVEYED BY REED 09/87 0076

SHEET 5A OF 79 SHEETS

SCALE 1" = 10 FEET

75+00 Lt. ~ 77+37 Lt.
Removal of Existing Fence (Nonpart.)
Barb Wire Fence - Four Strand

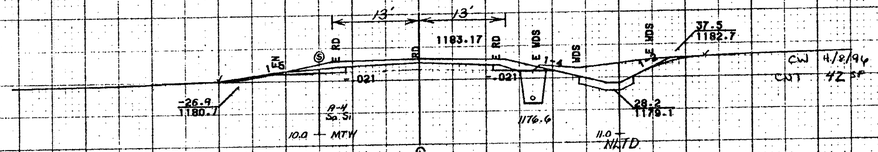
Note : Contractor Shall Remove Electrical Stand-Off from Existing Fence and Reset on New Barb Wire Fence. Contractor Shall Contact Mr. Henry Perrin (Property Owner) Prior to Doing This Work. This Work Shall Be Subsidiary To The Item Barb Wire Fence - Four Strand.



℄ 76+50

76+67 Rt. ~ 77+32 Rt.
Barb Wire Fence - Four Strand

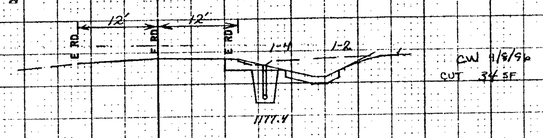
77+67 Rt. ~ 77+27 Rt.
Removal of Existing Fence



℄ 76+00

END APPROACH
BEGIN PROJECT MEGC-M6200(2) S
Begin Subbase Shim Course

75+50 Rt.
Begin New 6" x 300' Underdrain 47 F.B

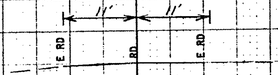


℄ 75+50

C-36

75+50 Rt.
Begin Special Ditch w/ Stone Fill, Type I

75+18 Rt.
Construct Mailbox Turnout
Relocate Mailbox, Single Support

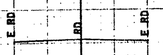


℄ 75+00

C-0

BEGIN APPROACH

74+98 Rt.
Construct Gravel Drive (13 Ft)
(Grade & Shape w/ Aggregate Shoulders, In Place)

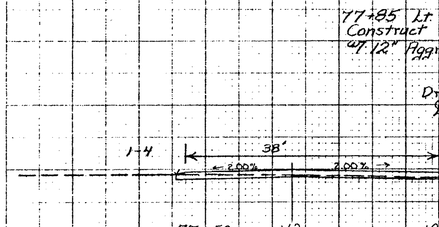


℄ 74+50

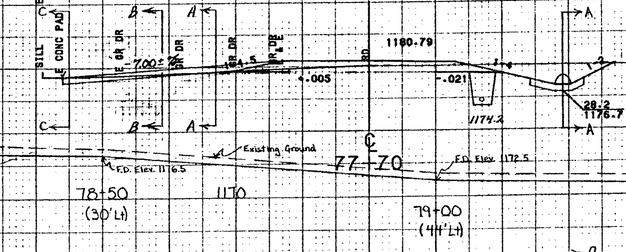
Scott Hall Rd. TH #5

FROM STA. 74+50 TO STA. 76+50
PROJECT NAME BERLIN
NO. MEGC-M6200(2)S PLOTTED 06/05/98
SURVEYED BY REED 09/87 0076
SHEET 51 OF 78 SHEETS
SCALE 1" = 10 FEET

77+85 Lt.
Construct Gravel Drive (24 Ft)
w/ 12" Aggregate Shoulders, In Place (Mod.)
(Crushed Slate)

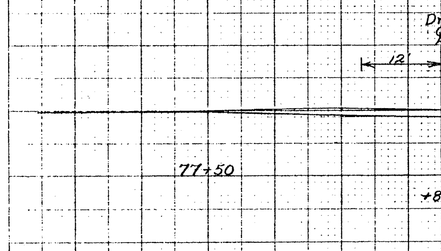


Section B-B (31' Lt)

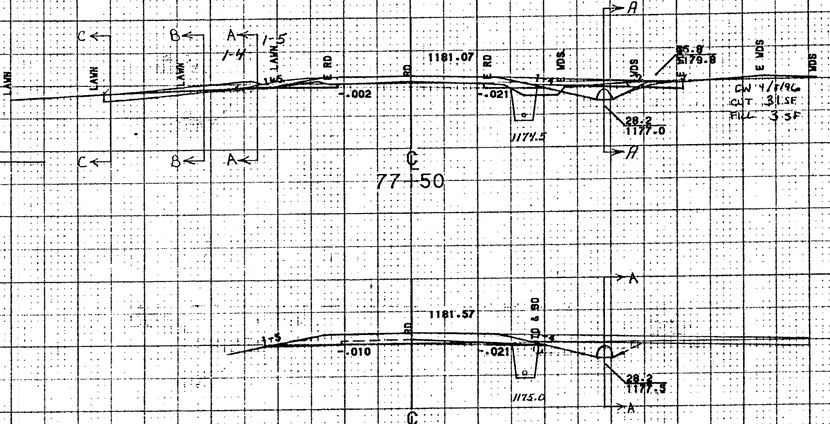


77+66 Rt.
Begin Special Ditch w/ Stone Fill, Type I

77+50 Rt. Δ = 95°-00' Rt
Construct Gravel Drive (16 Ft)
w/ 12" Aggregate Shoulders, In Place
(See Section A-A, This Sheet)



SECTION A-A (23' Lt.)



77+48 Rt.
Existing 18" CMP - Remove
New 28" x 20" x 40' CSPA .064

1170

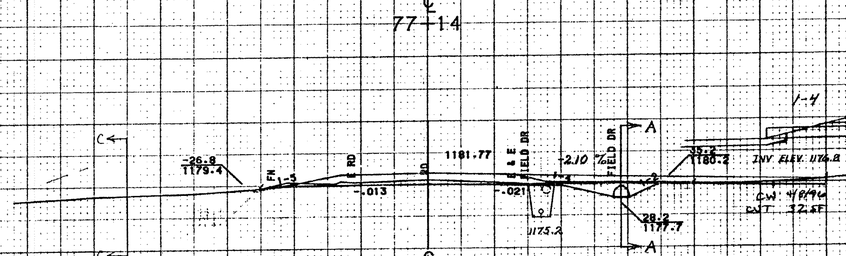
77+32 Rt. ~ 77+33 Rt.
Removal of Existing Fence

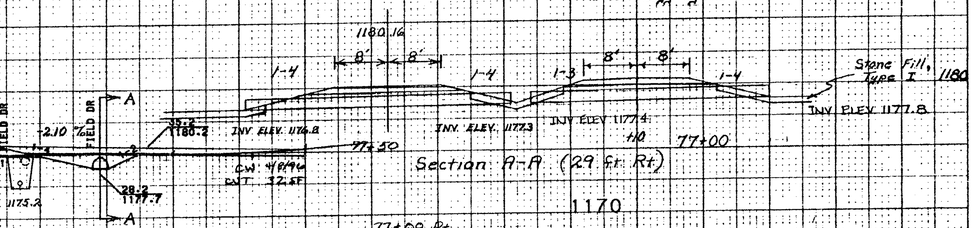
77+62 Lt.
Construct Mailbox Turnout
Relocate Mailbox, Single Support

77+21 Rt. ~ 77+35 Rt.
Construct Special Ditch w/ Stone Fill, Type I

1170

77+10 Rt. Construct Gravel Drive (16 Ft)
w/ 12" Aggregate Shoulders, In Place



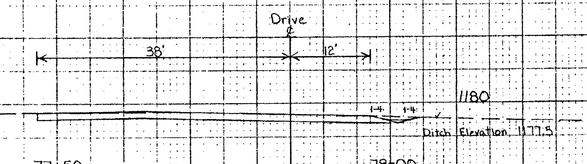


Section A-A (29 ft Rt)

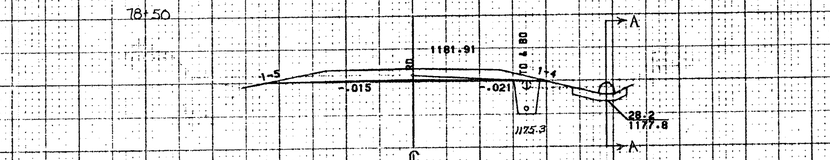
1170

77+08 Rt.
New 28" x 20" x 36' CSPA .064

76+90 Rt. ~ 77+14 Rt.
Existing 16" ACOGMP - Remove (Care Shall Be Taken In Removing Existing Culvert, As Culvert Shall Remain Property Of Property Owner)



Section C-C 45' Lt.



76+78 Rt.
END SPECIAL DITCH W/ STONE FILL, TYPE I

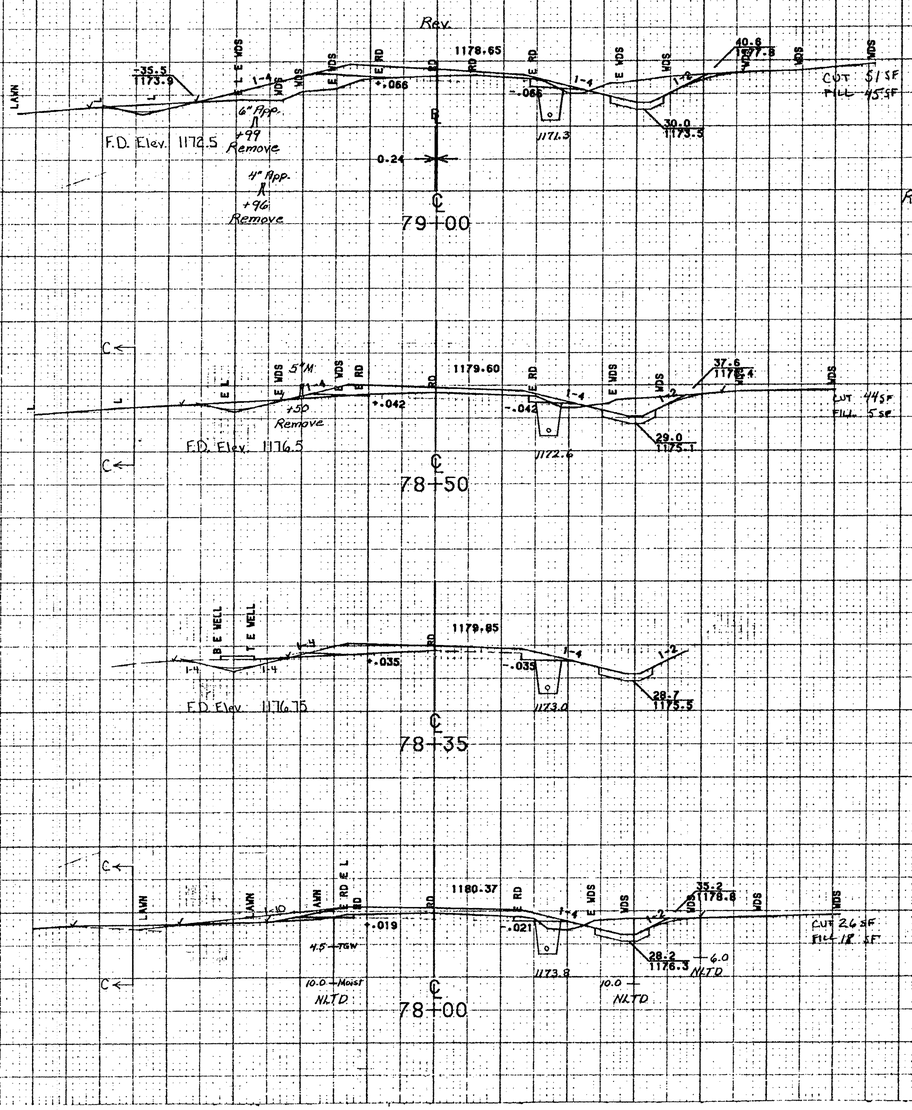
1170

Scott Hill Rd. Tth # 5

FROM STA. 76+90	TO STA. 77+70
PROJECT NAME: BERLIN MAIN	
~~NO. MSGC-M6200(2)S~~	~~PLOTTED 06/05/99~~
SURVEYED BY: REED	99/87 0076
SHEET 53 OF 73 SHEETS	

SCALE: 10 FEET

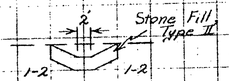
(3)



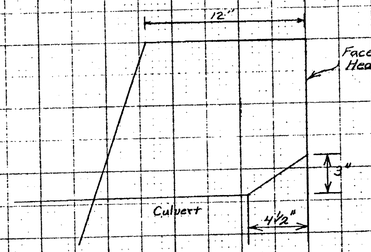
FROM STA. 78+00		TO STA. 79+00	
PROJECT NAME	BERLIN MAIN		
NO. ~~MISC~~	M6200(2)S		PLOTTED 06/05/90
SURVEYED BY	REED	09/87	0076
SHEET 54 OF 73 SHEETS			

SCALE 1" = 10 FEET

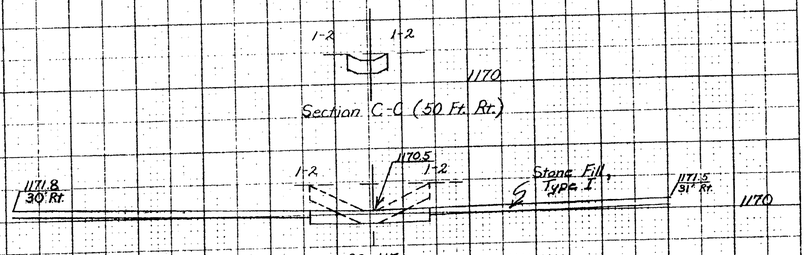
(4)



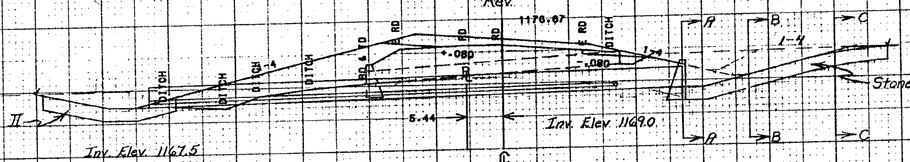
Outlet Ditch Typical
@ Rev. 80+45 Lt



Bevel Detail
for 36" Culvert
N.T.S.



Rev. 80+50 ℄ - New 6" x 70' Underdrain Carrier Pipe
Rev. 81+00



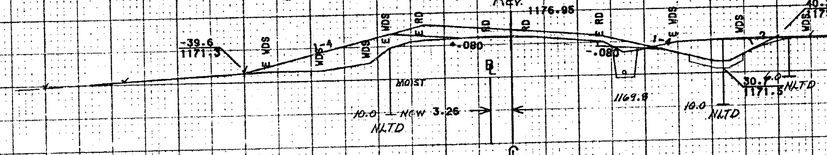
Note: Construct Outlet Ditch at Rev 80+45 Lt. to Match Existing Ditch, Use Stone Fill, Type I

℄
80-44.49

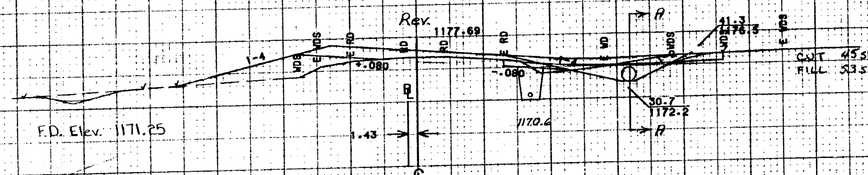
Surv. 80+45 ℄ Existing 24" CGMP - Remove.
Rev. 80+45 ℄ New 36"x80' PCCSP(P)(.064) or CMP (.075) or CPEP Option w/ Straight Headwall (Beveled) @ Inlet. Stone Fill, Type II Ditches @ Inlet and Outlet.

Rev. 80+40 ℄ - New 6" x 70' Underdrain Carrier Pipe
Rev.

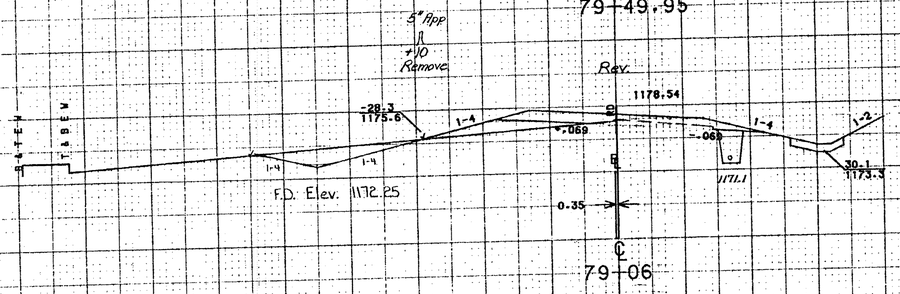
Rev 80+00 Lt
End Special Ditch w/Erosion Matting



℄
79-99.78

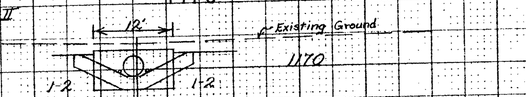


℄
79-49.95

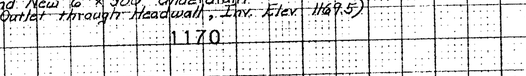


℄
79-06

Rev. 80+74 Rt
Begin New 6" x 290' Underdrain
(Outlet through Headwall, Inv. Elev. 1169.5)



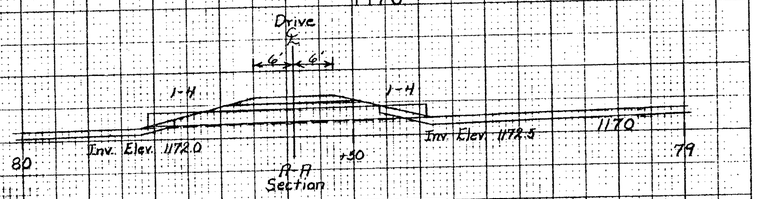
Rev. 80+73 Rt
End New 6" x 300' Underdrain
(Outlet through Headwall, Inv. Elev. 1169.5)



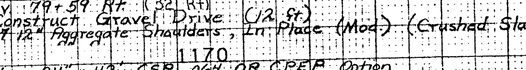
Rev. 79+78 Rt
Construct Mailbox Turnout
Relocate Mailbox, Single Support

Rev. 79+77 Rt - Rev. 80+36 Rt
Construct Special Ditch w/ Stone Fill, Type I

Rev. 79+46 Rt
End Special Ditch w/Stone Fill, Type I



Rev. 79+59 Rt (32 Rt)
Construct Gravel Drive (12 St.)
w/ 12" Aggregate Shoulders, In Place (Mod.) (Crushed Slate)

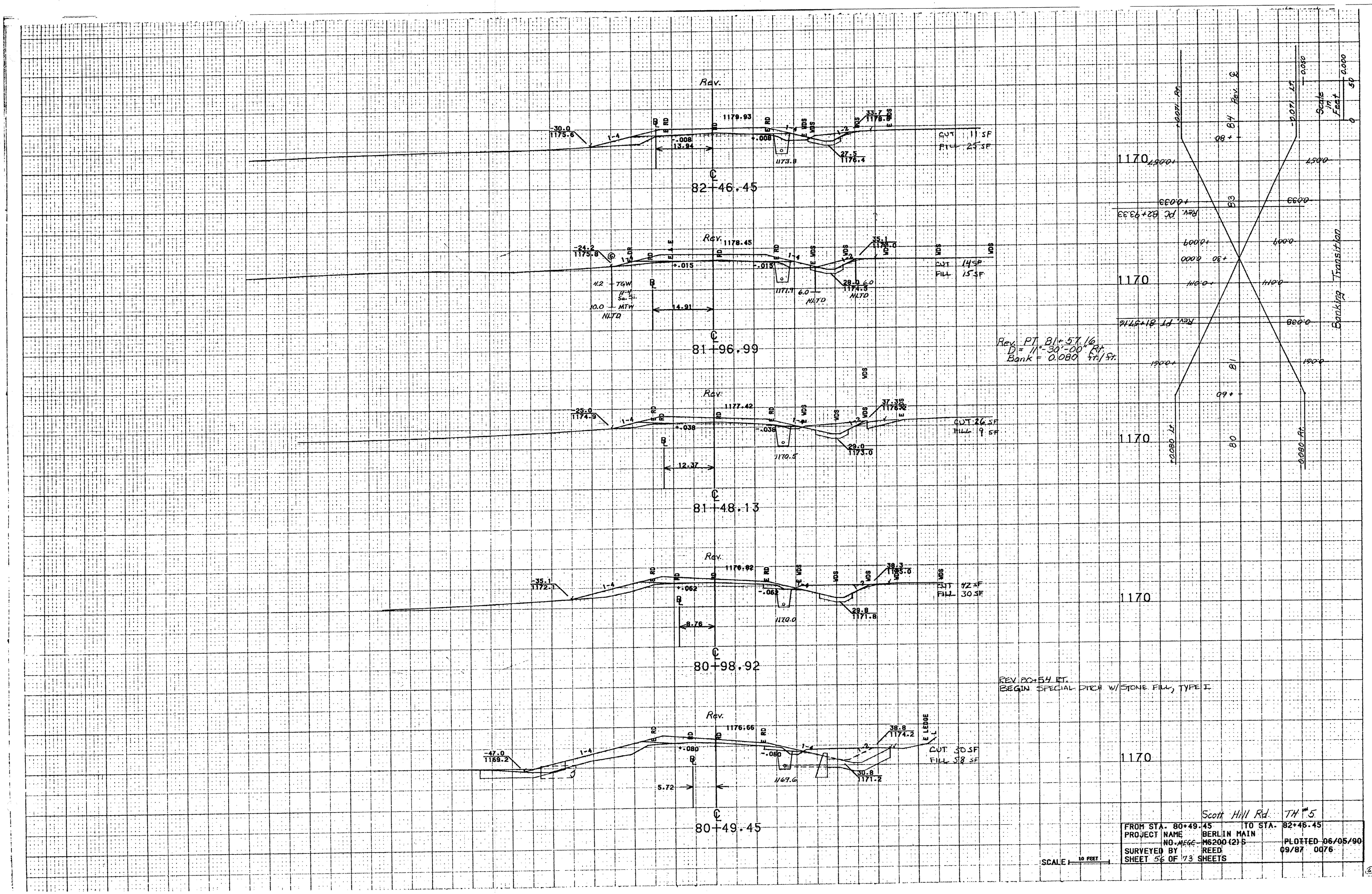


New 24" x 42" CSP .064 OR CPEP Option

Scott Hill Rd. TM # 5

FROM STA. 79+06		TO STA. 80+44.49	
PROJECT NAME	BERLIN MAIN		
NO. ~~MF66~~ M6200(2)S			PLOTTED 06/05/90
SURVEYED BY	REED	09/87	0076
SHEET 5# OF 13 SHEETS			

SCALE 1" = 10 FEET



Rev.
82+46.45
1179.93
-30.0
1175.6
1-4
-.008
13.94
+.008
1173.8
27.5
1176.4
33.7
1178.8
1-2
CUT 11 SF
FILL 25 SF
Rev.
81+96.99
1178.45
-24.2
1175.8
+.015
-.015
1171.9
28.0
1174.3
35.1
1178.0
4.2 — TGW
A-4 Sa. Si.
10.0 — MTW
NLTD
14.91
6.0
CUT 14 SF
FILL 15 SF
Rev.
81+48.13
1177.42
-25.0
1174.9
+.038
-.038
1170.5
29.0
1173.0
37.35
1176.2
12.37
CUT 26 SF
FILL 9 SF
Rev.
80+98.92
1176.82
-35.1
1172.1
+.062
-.062
1170.0
29.8
1171.8
38.3
1175.0
8.76
CUT 42 SF
FILL 30 SF
Rev.
80+49.45
1176.66
-47.0
1169.2
+.080
-.080
1169.6
30.8
1171.2
38.8
1174.2
E LEDGE
5.72
CUT 30 SF
FILL 58 SF
RD
E RD
WDS
E WDS
1170
Rev. PT 81+57.16
D = 11°-30'-00" Rt.
Bank = 0.080 ft./ft.
REV 80+54 RT.
BEGIN SPECIAL DITCH W/ STONE FILL, TYPE I
Rev. PC 82+93.33
Rev. PT 81+57.16
+0.071 Rt.
-0.071 Lt.
+0.080 Lt.
0.080 Rt.
Rev. ℄
Scale in Feet
0
50
0.000
0.050
Banking Transition
84
83
81
80
Scott Hill Rd. TH #5
FROM STA. 80+49.45 TO STA. 82+46.45
PROJECT NAME BERLIN MAIN
NO. MEGC- M6200(2)S
PLOTTED 06/05/90
SURVEYED BY REED
09/87 0076
SHEET 56 OF 73 SHEETS
SCALE 10 FEET

Rev.

DRIVE ℄

EXISTING GROUND

1200 / 1190 / 1180

1192.73

LEDGE

E LEDGE

E RD

E DCH

E WALL

85+00 84+83 84+55

SECTION B-B DRIVE 1+83

CUT 559 S.F.
FILL 0
Rock 286 S.F.

1188.02

+.071

24.0
1186.1

-26.1
1185.2

R=184

℄ 84-49.10

Rev.

1-2 1-3 1-4

CUT 370 S.F.
FILL 0
Rock 204 S.F.

1188.50

1188.39

1186.75

℄ 83-98.45

Rev.

84+83

1184.29

+.056

Muck
-25.4
1180.4

3.0 NGW

13.52

1187.7

℄ 83-47.75

R=0

Rev. 83+00 ± Lt. ~ Rev. 83+75 ± Lt.
Construct Special Ditch "A" Stone Fill, Type I

Rev. 83+30 Lt.
Begin Drilling and Blasting of Solid Rock Subgrade

Rev.

1183.31

+.046

-25.0
1178.6

13.60

1177.8

25.3
1180.9

℄ 83-27.47

Rev. 83+00
End Subbase Shim Course
Begin Full Depth Typical

Rev.

1181.90

+.032

13.45

1176.2

32.7
1180.8

CUT 25 S.F.
FILL 0 S.F.

26.9
1178.8

℄ 82-97.04

Rev. PC 82+93.33
D=8°-00'-00" Lt.
Bank = 0.071 ft/ft.

Rev. 85+07 Rt.
Construct Mailbox Turnout
Relocate Mailbox, Single Support

1190

DRIVE ℄

EXISTING GROUND

1190 / 1180

1187.93

INV. ELEV. 1187.3

85+00 84+50

Stone Fill, Type I

Section A-A DRIVE STA. 1+83

Rev. 84+83 Rt. ± 885.40'-13° Rt.
Construct Gravel Drive (16 Ft.)
w/ 12" Aggregate Shoulders, In Place, (Mod.) Crushed Slate

1180

EXISTING GROUND

0.00%

FM1 = 1197
ELEV = 1197.0
L = 50.00
X = 5.0
E = 0.63

1190 / 1180

FM1 = 1179
ELEV = 1189.73
L = 20.00
X = 2.00
E = 0.25

Rev. 84+83 Rt.
New 18"x44' CSP .064, Or CPEP Option

1180

Rev. 84+64 Rt.
End Special Ditch "A" Stone Fill, Type I

Rev. 83+30 Rt.
End New 6" x 290' Underdrain "A" Flushing Basin

1180

6"± SUBBASE SHIM

GRADE LINE

4" BIT. CONC. PVMT.

18" SUBBASE

EXISTING ROAD SURFACE

1' 25'

Rev 85	+25	+50
Rev 92-50	+50	+75

SUBBASE TRANSITION DETAIL

1180

10 0 20 30

SCALE IN FEET

Scott Hill Rd. TH #5

FROM STA. 82+97.04	TO STA. 84+49.10
PROJECT NAME BERLIN MAIN	
NO. WFSC MS200(2)S	PLOTTED 06/05/90
SURVEYED BY REED	09/87 0076
SHEET 37 OF 73 SHEETS	

SCALE 10 FEET

Rev. 86+50 Lt
Begin Special Ditch w/ Stone Fill, Type I

Rev. 86+50 ±
End Drilling and Blasting of Solid Rock Subgrade

Rev. PT 85+24.58
D = 8°-00'-00" Lt.
Bank = 0.071 Ft/Ft

Rev. PC 87+07.59

Rev. 86+50 Rt
Begin Special Ditch w/ Stone Fill, Type I

Rev. 86+06 Rt
Construct Mailbox Turnout

Rev. 86+06 Rt
Construct Mailbox Turnout
Relocate Mailbox, Single Support

Rev. 85+78 Rt. Δ = 85°13'-19" Rt
Construct Gravel Drive (16 Ft) 44 16 Ft. Turnout (1+56.5 - 1+74 Ft.)
w/ 12" Aggregate Shoulders, In Place, (Mod.) Crushed Slate.

Rev. 85+22 Rt
Begin Removal of Existing Fence

Left Ditch Typical for Drive @ Rev. 87+78 Rt

Scale in Feet

Section A-A
Drive 1+24

Section B-B
Drive 1+56.5

Section C-C
Drive 1+74

Section D-D
Drive 2+00

Section E-E
Drive 1+56.5 (37.6 Lt) 1+74 (37.32 Lt)

Grade to Drain
0.005' Min.

Ditch Elev. 1197.76
Ditch Elev. 1193.98
Ditch Elev. 1194.98
Ditch Elev. 1194.73

Existing Ground (Approx.)

PVI 2+13.00
Elev. = 1200.00
R = 10.40
L = 60.00
K = 5.7
E = -0.78

PVT = 1+23.00
Elev = 1190.64
R = 10.40
L = 20.00
K = 1.9
E = +0.26

CUT 730 SF
FILL 0
ROCK 352 SF

CUT 532 SF

CUT 505 SF
ROCK 199 SF

CUT 660 SF
ROCK 401 SF

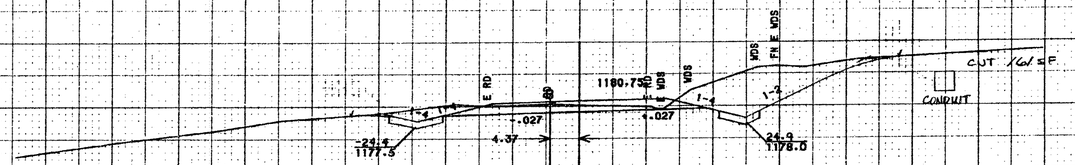
Banking Transition

Scott Hill Rd. TH #5

FROM STA. 84+99.68	TO STA. 86+50.28
PROJECT NAME	BERLIN MAIN
NO. M6200(2)0	PLOTTED 06/05/90
SURVEYED BY REED	09/87 0076
SHEET 58 OF 79 SHEETS	

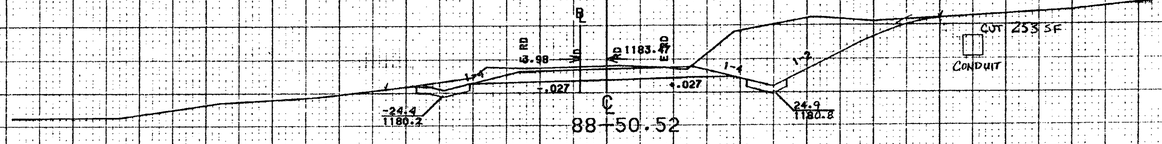
SCALE 10 FEET

8

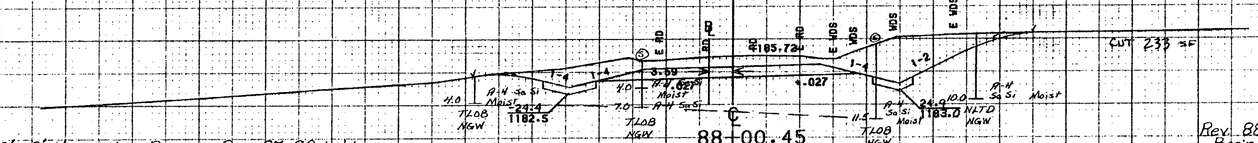


℄
89+00.59

Rev. 89+00
End Full Depth Typical
Begin Subbase Shim Course



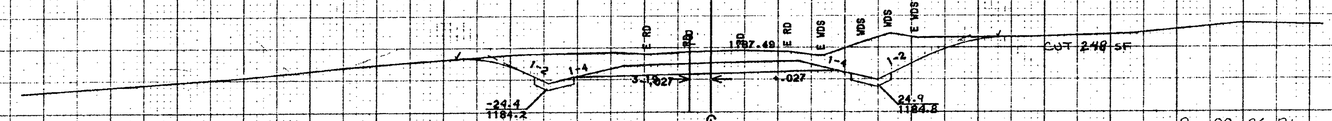
℄
88+50.52



℄
88+00.45

Note : 3'x 3' Navigation Box at Rev. 87+92 ± Lt.
Will Be Removed Prior To Construction

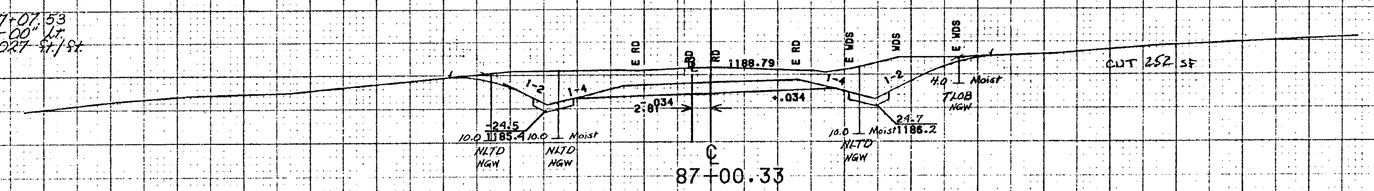
Rev. 88+52 Rt.
Begin Removal of Existing Fence



℄
87+50.39

Rev. 88+36 Rt.
End Removal of Existing Fence

Rev. PC 87+07.53
D = 2°-00'-00" Lt.
Bank = 0.027 ft/ft



℄
87+00.33

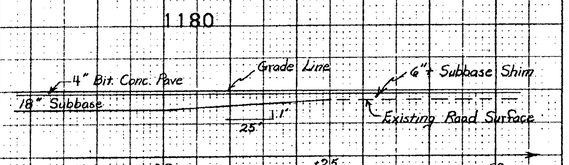
1180

1180

1180

1180

1180



Subbase Transition Detail

3.0
0
10 0
Scale in Feet

Scott Hill Rd. TH #5

FROM STA. 87+00.33	TO STA. 89+00.59
PROJECT NAME BERLIN MAIN	
NO. ~~NFSC~~ M6200(2)S	PLOTTED 06/05/90
SURVEYED BY REED	09/87 0076
SHEET 59 OF 73 SHEETS	

SCALE: 1" = 10 FEET

9

Rev. PC 91+57.31
D = 5°-00'-00" Lt.
Bank = 0.055 Ft/Ft.

+0.055 Ft.

-0.055 Lt.

Rev. PC 91+57.31

Rev. PT 90+20.03

+0.027 Ft.

-0.027 Lt.

Scale in Feet

Rev. PT 90+20.03
D = 2°-00'-00" Lt.
Bank = 0.027 Ft/Ft.

Rev. 90+75 ℄
NEW 18" x 56' RCCSP .064, CAAP .060, Or CPEP
@ Inlet. Stone Fill, Type I Ditches @ Inlet and Outlet

Existing Ditch Profile

"7' End Section

Rev. 89+75 Lt.
End Special Ditch w/ Stone Fill, Type I

Rev.

1171.34 | 1172.56 | 1173.99 | 1175.81 | 1176.02

CUT 5 SF
FILL 3 SF

CUT 3 SF
FILL 4 SF

CUT 4 SF
FILL 4 SF

CUT 31 SF
FILL 2 SF

CUT 54 SF
FILL 1 SF

CONDUIT

℄ 91+51.18

℄ 91+00.98

℄ 90+50.86

℄ 90+00.76

℄ 89+50.67

1160

1170

1170

1170

1170

Banking Transition

6'x 10' STONE FILL, TYPE I

Inv. Elev. 1166.0
8.0 TGW
10.0 MTW

Rev. 90+75 Rt.
Note: Grade Outlet Ditch to March Existing Ditch

90+75

Rev. 90+71 Rt.
End Special Ditch w/ STONE FILL, TYPE I

Rev. 90+50 Rt.
End Removal of Existing Fence
Begin Removal of Existing Fence (Nonpart.)

Rev. 90+18 Rt.
Begin Special Ditch w/Stone Fill, Type I

Rev. 89+87 Rt.
End Special Ditch w/Stone Fill, Type I

DODGE DRIVE

℄ 1176.61

77' | 6.6 | 6.6

STONE FILL, TYPE I

INV. ELEV. 1174.4

INV. ELEV. 1174.0

90+50

89+50

SECTION A-A
REV. STA 90+00 (25' RT.)
CONSTRUCT Field DRIVE (12 FT.)
W/ 12" AGGREGATE SHOULDERS, IN PLACE
NEW 18" x 42' CSP .064 Or CPEP Option

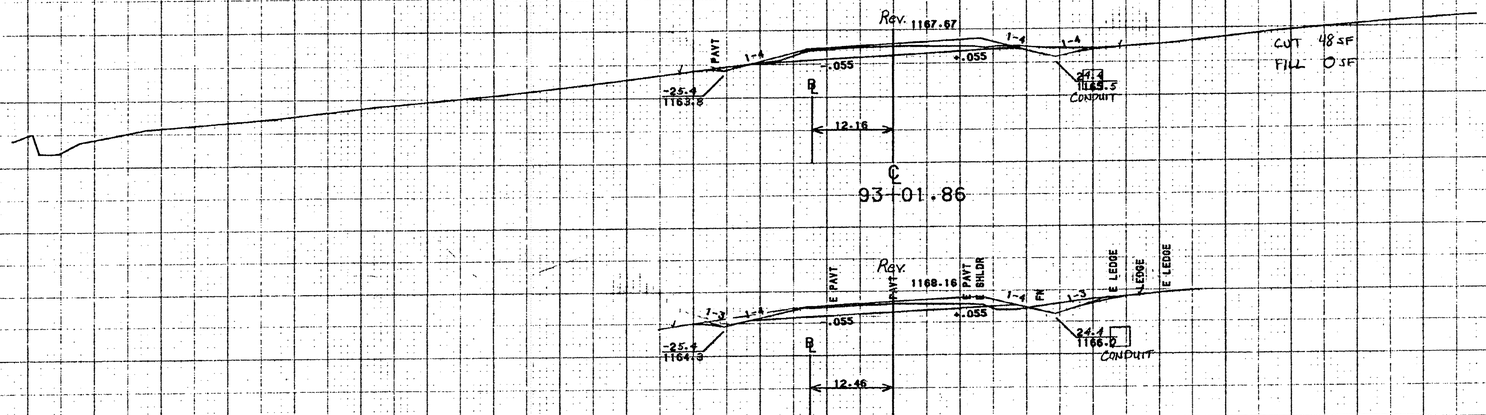
Scott Hill Rd. TH #5

FROM STA. 89+50.67	TO STA. 91+51.18
PROJECT NAME	BERLIN MAIN
NO. MEGC-M6200(2)S	PLOTTED 06/05/90
SURVEYED BY	REED 09/87 0076
SHEET 60 OF 73 SHEETS	

SCALE 10 FEET

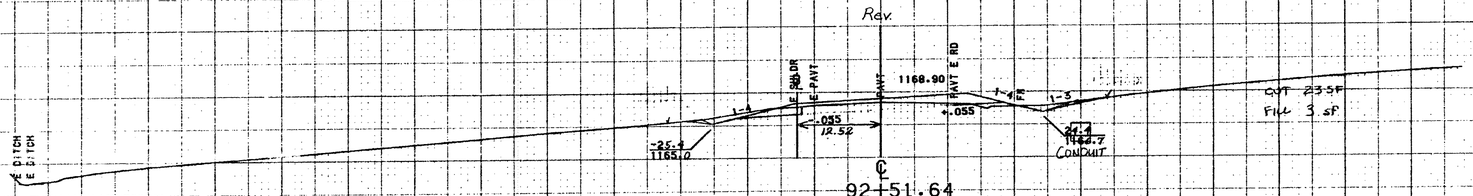
(10)

Rev. 93+25 ℄
Begin Scarifing Pavement



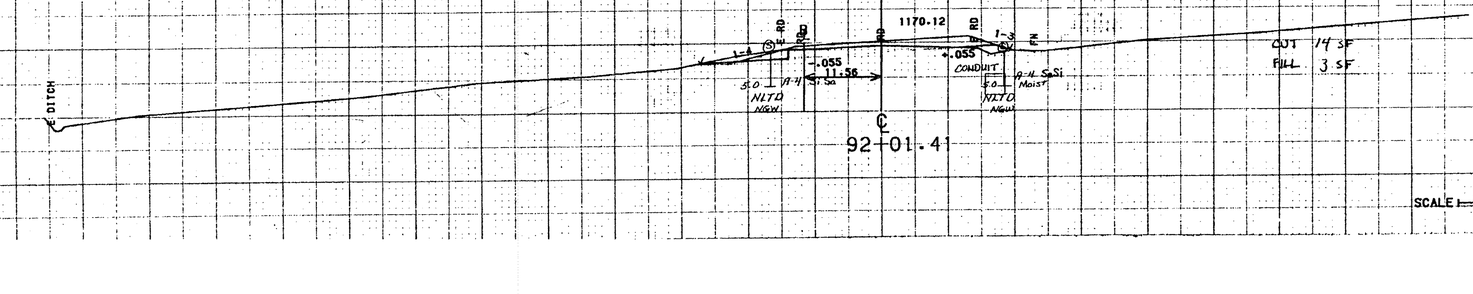
℄
93-01.86

℄
92-81.77

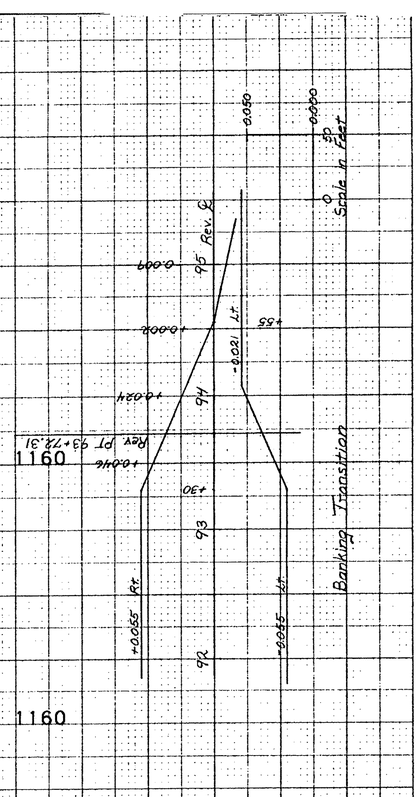


℄
92-51.64

Rev. 92+50
End Subbase Shim Course
Begin Full Depth Typical
(See Sheet 45 of 63 for Transition Detail)



℄
92-01.41



Scott Hill Rd. TH #5

FROM STA. 92+01.41	TO STA. 93+01.86
PROJECT NAME BERLIN MAIN	
~~ND-MEGC~~ M6200(2)S	PLOTTED 06/05/90
SURVEYED BY REED	09/87 0076
SHEET 61 OF 73 SHEETS	

SCALE 10 FEET

11

Rev.

1162.80

.021 | .010

1:2 | 1:3

47.0
1151.3

E PAVT | PAVT | PAVT | E PAVT | FN

E DITCH
DITCH

4.88

℄
95+02.57

CONDUIT

FILL 618 SF

1150

Rev.

1164.02

.021 | *.001

1:2 | 1:3

45.2
1153.3

E PAVT | PAVT | PAVT | E PAVT | FN

E DITCH
E DITCH

5.93

℄
94+52.47

CONDUIT

FILL 611 SF

1150

Rev.

1165.23

.023 | .023

1:2 | 1:3

E PAVT | PAVT | PAVT | E PAVT | VDS | VDS | FN

Moist @ NGW
5.0 NLTD NGW
Sat
Z.85
Sat Moist NLTD. NGW
25' FLOB NGW
R-1-a Moist

E DITCH

℄
94+02.31

CONDUIT

FILL 308 SF

1150

Rev.

1166.45

-26.5
1162.5

*.045 | *.045

1:4 | 1:4 | 1:3

E PAVT | PAVT | PAVT | E PAVT | FN | LEDGE | LEDGE

4.2
1164.7

E DITCH
E DITCH

10.47

℄
93+52.08

CONDUIT

CUT 25 SF
FILL 23 SF

1160

Rev 93+87.5 Lt
Begin Steel Beam Guard Rail

Rev: PT 93+72.31
D= 5°-00'-00" Lt
Bank = 0.055 Ft/Ft

Rev 93+50 Lt ~ Rev 93+87.5 Lt
Construct Modified Eccentric Loader Terminal (MELT)

STEEL BEAM GUARD RAIL

3' FACE OF GUARD RAIL

2' | 11'

37.5' MELT

6' | 4'

5 : 1

EDGE OF SHOULDER

EDGE OF TRAVEL WAY

REV. ℄ 94+00 | +87.5 | +50 | 93+00 REV. ℄

MODIFIED ECCENTRIC LOADER TERMINAL DETAIL

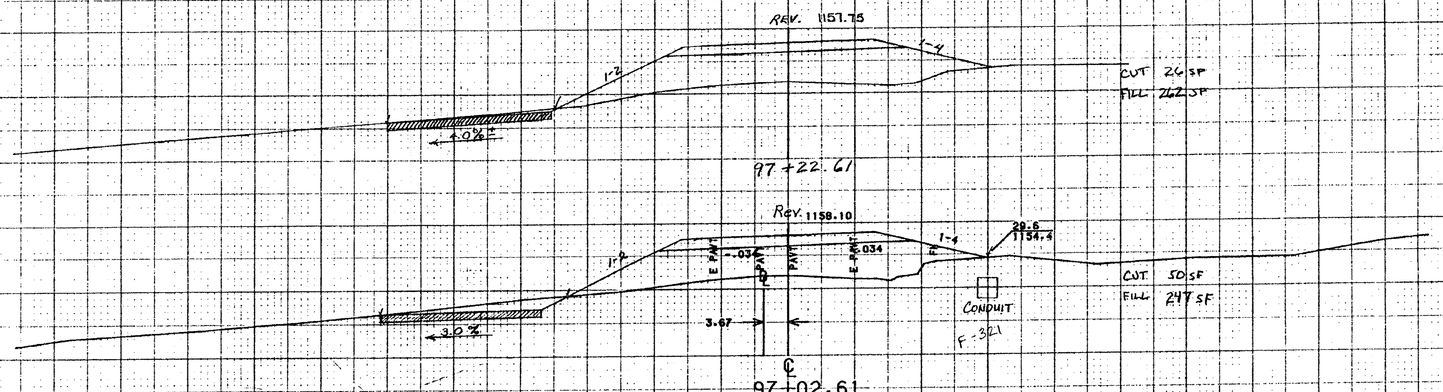
1"=10' SCALE

Scott Hill Rd. TH #6

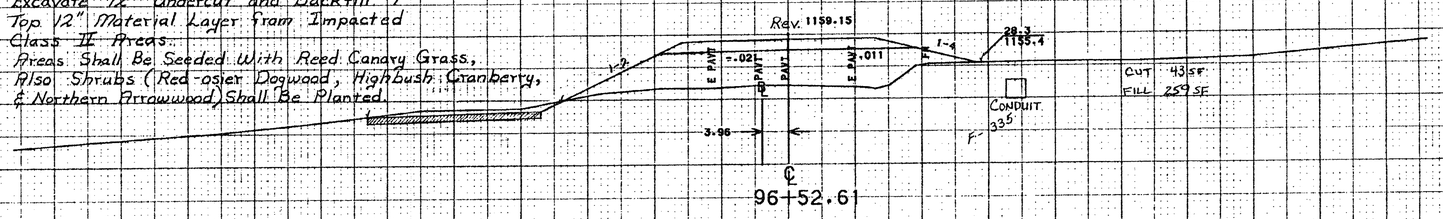
FROM STA. 93+52.08	TO STA. 95+02.57
PROJECT NAME	BERLIN MAIN
NO. ~~MEGC~~	M6200(2)S
SURVEYED BY	REED
SHEET 62 OF 73 SHEETS	
	PLOTTED 06/05/90
	09/87 0076

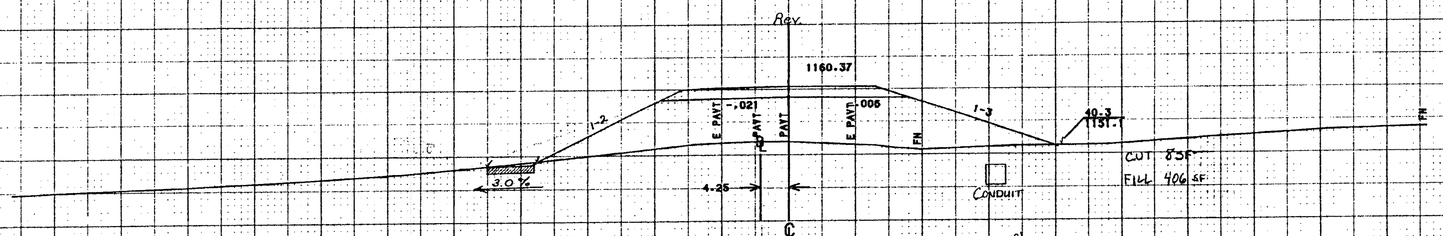
SCALE 1" = 10 FEET

12

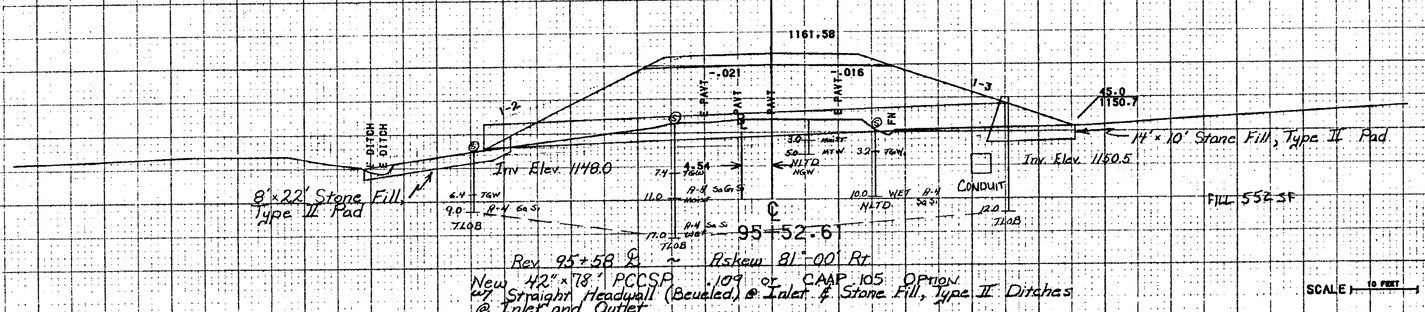


Rev. 95+99 Lt ~ Rev. 97+29 Lt
Construct Wetlands
Excavate 12" Undercut and Backfill w/
Top 12" Material Layer from Impacted
Class II Areas.
Areas Shall Be Seeded With Reed Canary Grass,
Also Shrubs (Red-osier Dogwood, Highbush Cranberry,
& Northern Arrowwood) Shall Be Planted.



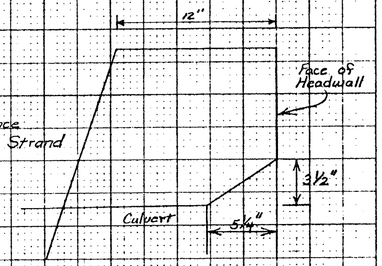


Rev. 95+62 ℄
Existing 18" CGMP ~ Remove



Rev. 95+58 ℄ ~ Rskew 81°-00' Rt
New 42" x 78" PCCSP .109 or CAAP .105 Option
w/ Straight Headwall (Beveled) @ Inlet & Stone Fill, Type II Ditches
@ Inlet and Outlet

Rev. 95+59 Rt.
Removal of Existing Fence
Barb Wire Fence - Four Strand



Bevel Detail
for 42" Culvert
N.T.S.

Scott Hill Rd. TH #5

FROM STA. 95+52.61 TO STA. 97+02.61
PROJECT NAME BERLIN MAIN
NO. ~~MEGC-M5200(2)S~~ PLOTTED 06/05/90
SURVEYED BY REED 09/87 0076
SHEET 63 OF 73 SHEETS
SCALE: 10 FEET

Rev. PT 99+77.13
D=18°00'-00" Lt.
Bank = 0.080 Ft/Ft.

Rev 99+21.5 Lt ~ Rev 99+59 Lt
Construct Modified Eccentric Loader Terminal (MELT)

Rev 99+21.5 Lt
End Steel Beam Guard Rail

Rev 99+05 Lt ~ 99+76 Lt
Existing 15" ACCGMP ~ Remove

Rev 97+76 Lt ~ TH #4 19+33 Lt.
Construct Wetlands
Excavate 12" Undercut and Backfill w/ Top 12" Material Layer From Impacted Class II Areas.
Areas Shall Be Seeded With Reed Canary Grass, Also Shrubs (Red Osier Dogwood, Highbush Cranberry, & Northern Arrowwood) Shall Be Planted.

Rev PC 97+49.25
D=18°00'-00" Lt.
Bank = 0.080 Ft/Ft.

Rev 98+56 ℄
End Scarifying Pavement

Rev 98+50 ℄
New 24" x 70' PCCSP .064, CPAP .060 or CPEP Option 'F' End Section & Stone Fill, Type I Ditch @ Inlet & Stone Fill, Type II Ditch @ Outlet.

Rev 99+25 ±
Begin Drilling and Blasting of Solid Rock Subgrade

Rev 98+79 Rt ~ 99+46 Rt
Excavation of Surfaces and Pavements

Rev 98+54 Rt
Begin Special Ditch "A" Erosion Matting (Ends @ TH #4 16+00 Lt)

Rev 98+80 Rt
End Removal of Existing Fence (Nonpart.)
End Barb Wire Fence - Four Strand

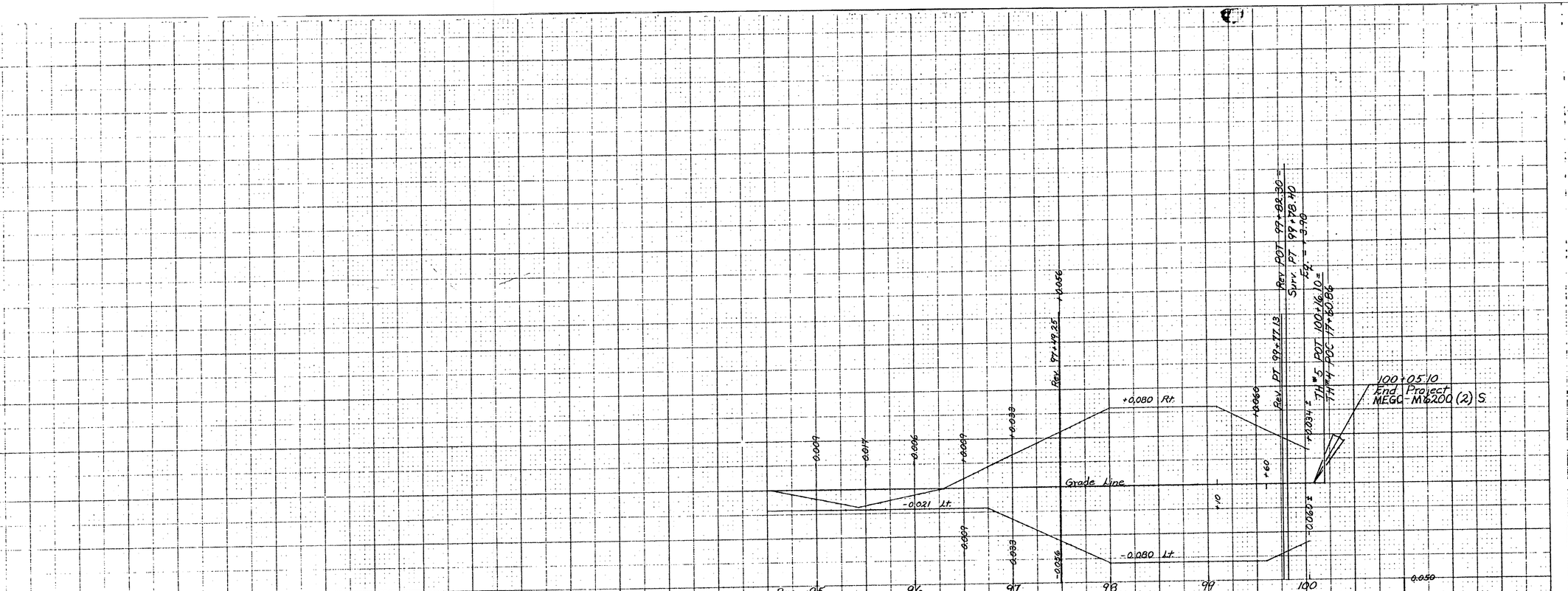
Rev 97+25 Rt ~ 98+46 Rt
Construct Special Ditch "A" Stone Fill, Type I

Section A-A
(40 Ft. Rt)

MODIFIED ECCENTRIC LOADER TERMINAL DETAIL
1"=10' SCALE

Scott Hill Rd. TH #5

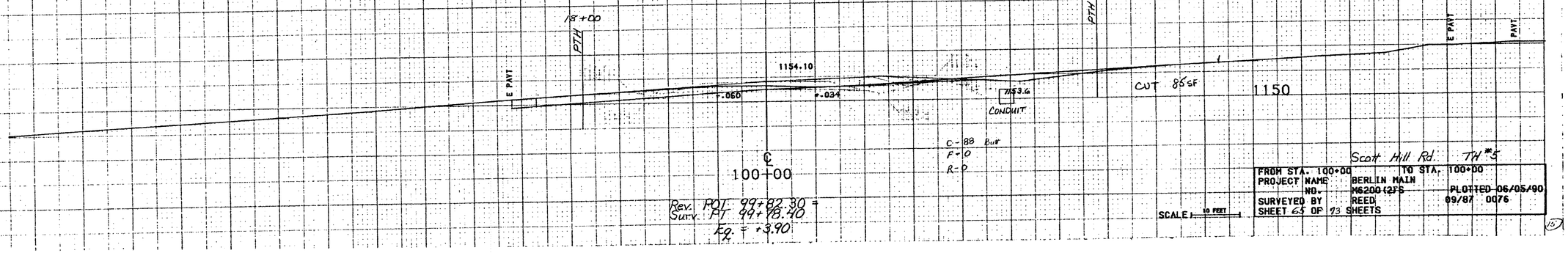
FROM STA. 97+52.62	TO STA. 99+53.88
PROJECT NAME	BERLIN MAIN
NO. M66C-M6200(2)FS	PLOTTED 06/05/90
SURVEYED BY	REED 09/87 0076
SHEET 64 OF 73 SHEETS	
SCALE: 10 FEET	



BANKING TRANSITION

50 0 0
Scale in Feet

100+05.10
END PROJECT
MEGC-M6200(2)S



℄
100+00

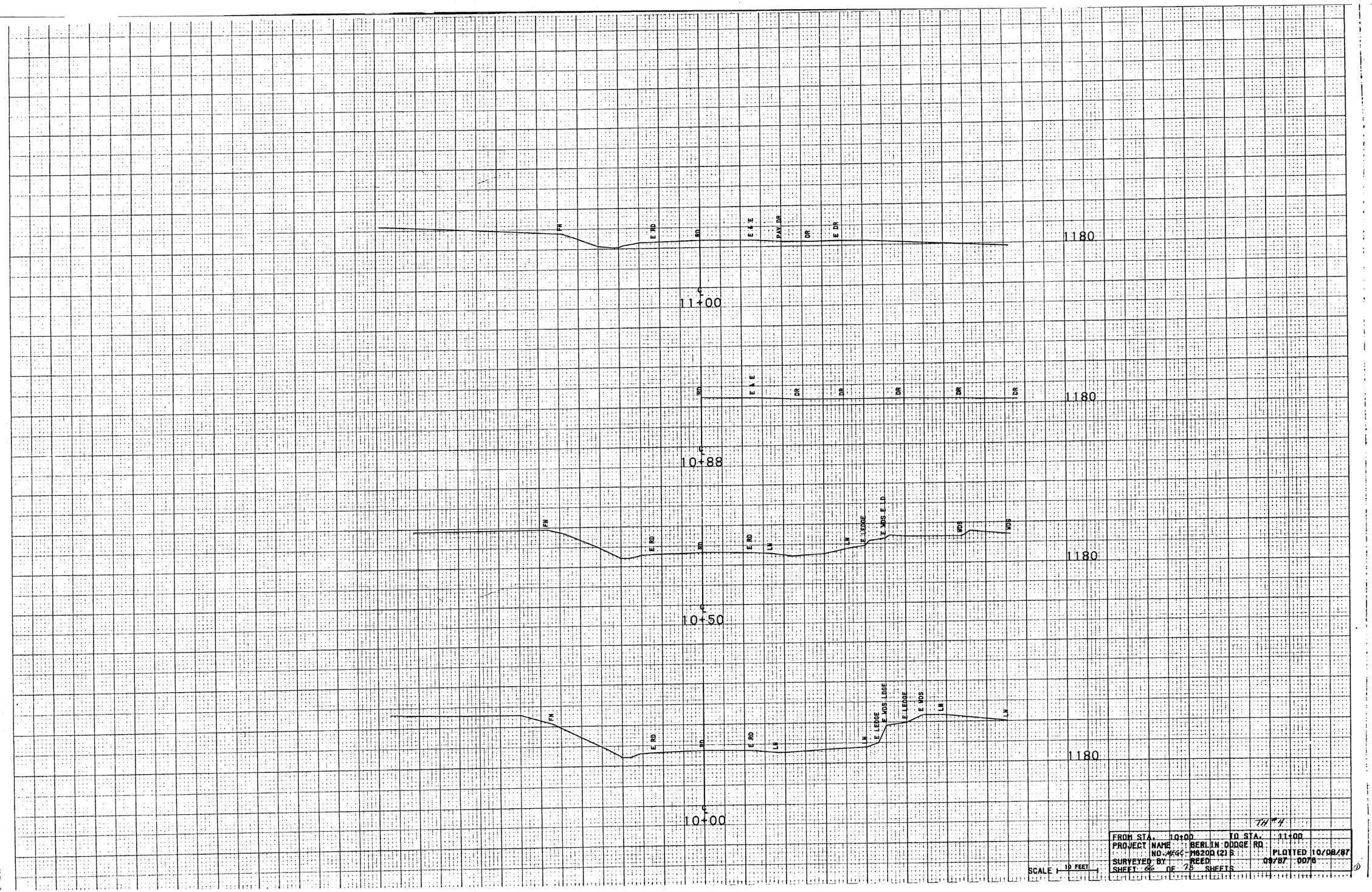
Rev. POT 99+82.30 =
Surv. PT 99+78.40
Eq. = +3.90

C - 88 But
F - 0
R - 0

Scott Hill Rd. TH #5

FROM STA. 100+00		TO STA. 100+00	
PROJECT NAME	BERLIN MAIN		
NO.	M6200(2)S		PLOTTED 06/05/90
SURVEYED BY	REED		09/87 0076
SHEET 65 OF 93 SHEETS			

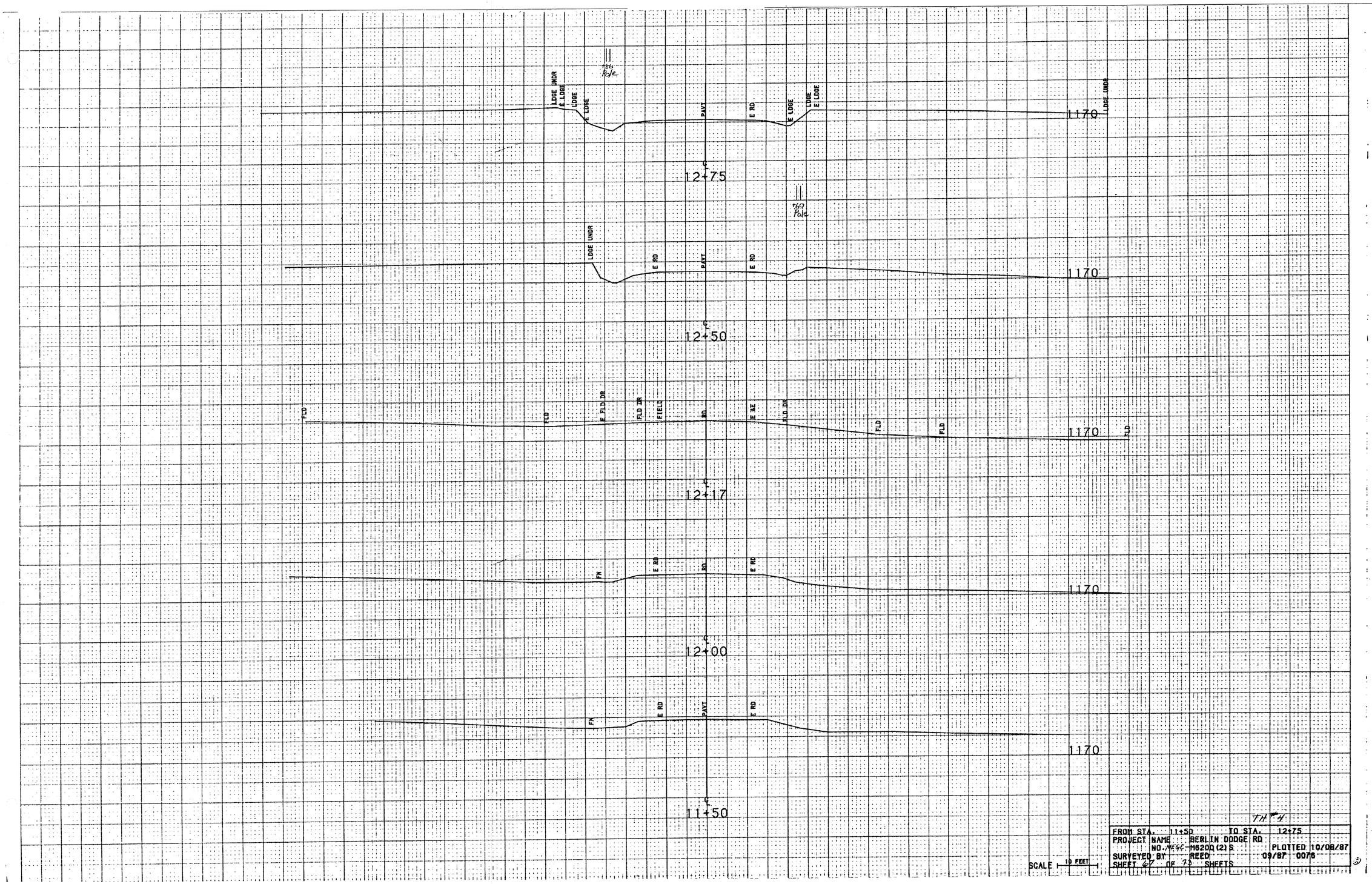
SCALE: 10 FEET



TH #4

FROM STA. 10+00	TO STA. 11+00
PROJECT NAME BERLIN DODGE RD.	
NO. M66-M0200(2)S	PLOTTED 10/08/87
SURVEYED BY REED	09787 0076
SHEET 86 OF 75 SHEETS	

SCALE 10 FEET



FROM STA. 11+50 TO STA. 12+75

PROJECT NAME BERLIN DODGE RD

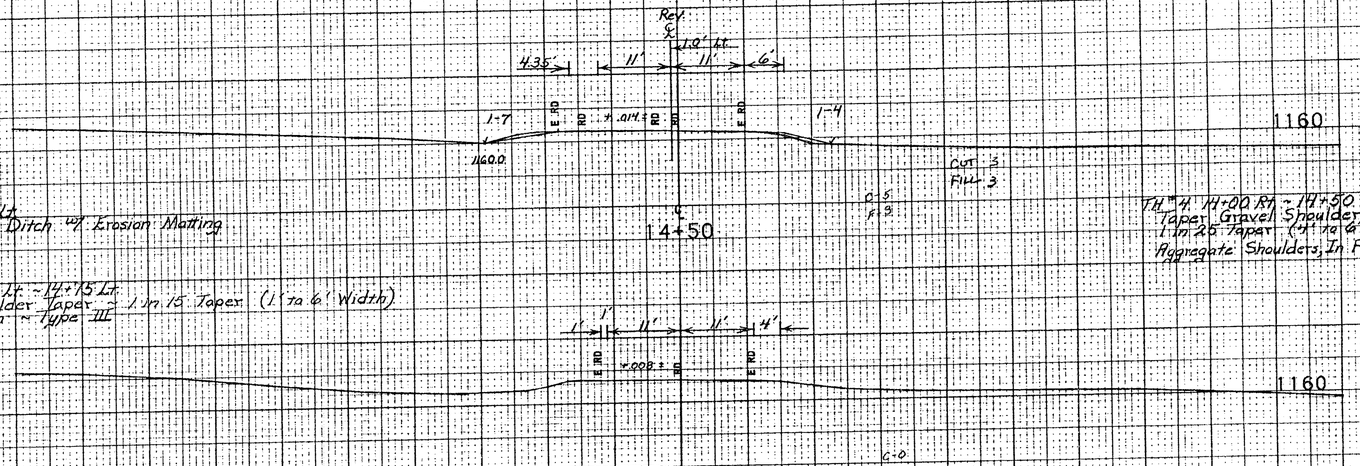
NO. M69-M6200(2)S PLOTTED 10/08/87

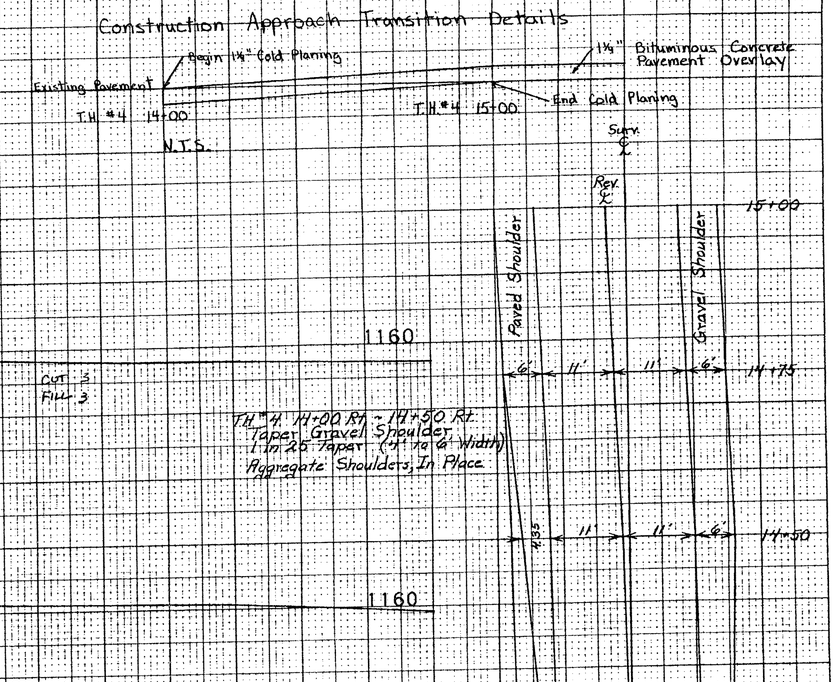
SURVEYED BY REED 09/87 0076

SHEET 67 OF 73 SHEETS

SCALE 10 FEET

Construction Approach Transition Details





Roadway ℄ Shoulders Detail

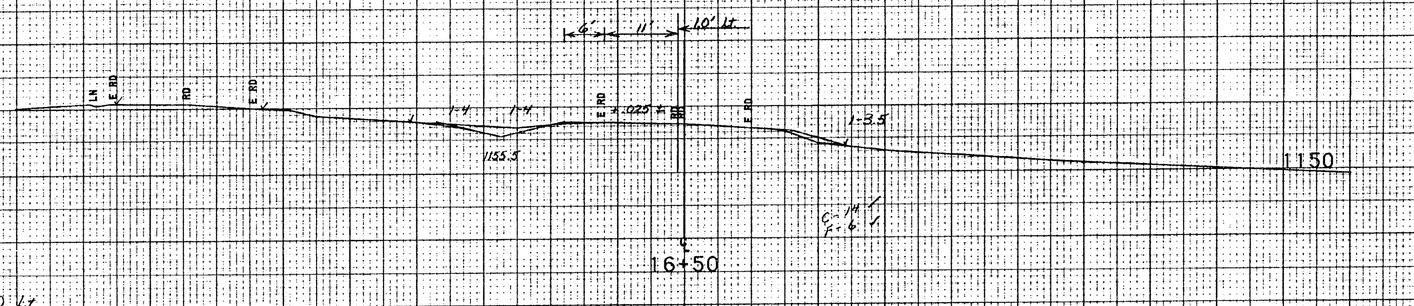
TH #4

FROM STA. 13+00		TO STA. 14+50	
PROJECT NAME	BERLIN DODGE RD		
NO. Mega-	M620Q (2) S		PLOTTED 10/08/87
SURVEYED BY	REED	09/87	0076
SHEET 23 OF 73 SHEETS			

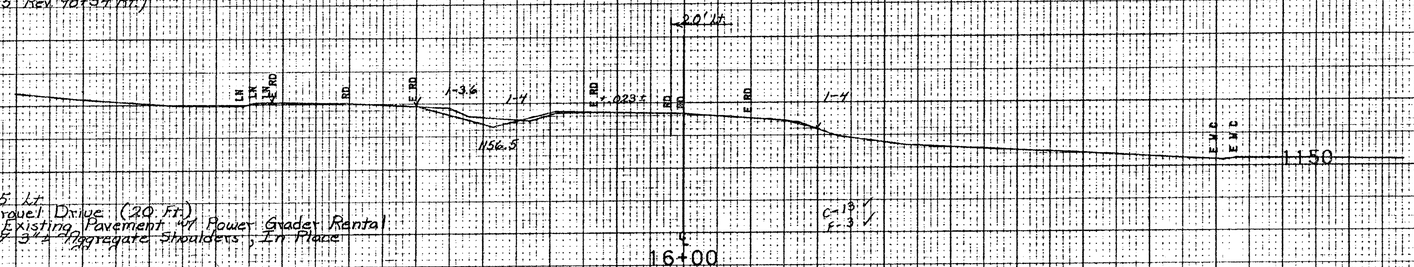
SCALE 10 FEET

③

TH #4 16+00 Lt
Begin Special Ditch w/ Erosion Matting
(Ends @ TH #5 Rev 98+54 Rt.)

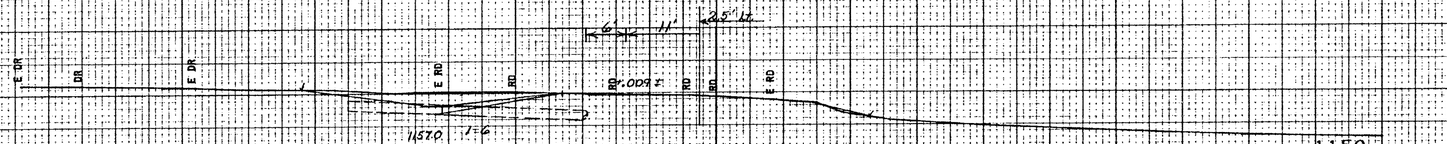


TH #4 15+65 Lt
Construct Gravel Dodge (20 Ft.)
Grade Out Existing Pavement w/ Power Grader Rental
Reshape 4' ± Aggregate Shoulders, In Place



TH #4 15+43 Lt
Construct Mailbox Turnout
Relocate Mailbox, Single Support

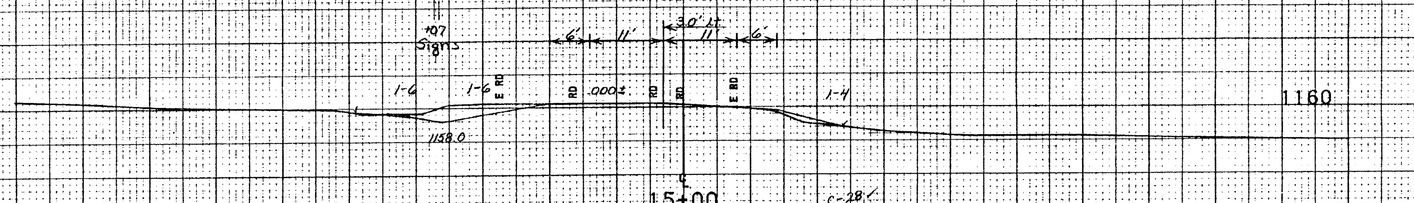
TH #4 15+64 Reshape 65'-00 Rt. ±
Existing 18" CGMP - Retain & Remove 14 Sf. ± From Inlet.



TH #4 15+48 Lt
End Special Ditch w/ Erosion Matting

#46 Pole
#13 Sign

#107 Sign



TH #4

FROM STA. 15+00		TO STA. 16+50	
PROJECT NAME	BERLIN DODGE RD		
NO. Mega	M6200(2)S	PLOTTED	10/08/87
SURVEYED BY	REED	09/87	0076
SHEET 69 OF 73 SHEETS			

SCALE 10 FEET

9

Rev.
TH #5
℄

18+50

TH #4 POT 18+48.14
D= 30°-00" Rt.
Bank = Existing

1140

1150

TH #5
Intersection

TH #5 Typical

Edge of
Existing Pave

18" Subbase

Existing Edge
OF Pavement

18+50

18+32 ±

18+12 ±

18+00

17+50

17+25 ±

17+00 ±

Section A-A
(NTS)

Cross Hatch Area Shall be
Full Depth TH #5 Typical

TH #4 Left Shoulder Detail
@ Intersection of TH #5

18+00

TH #4 POC 17+60.86 =
TH #5 POT 100+16.10

17+50

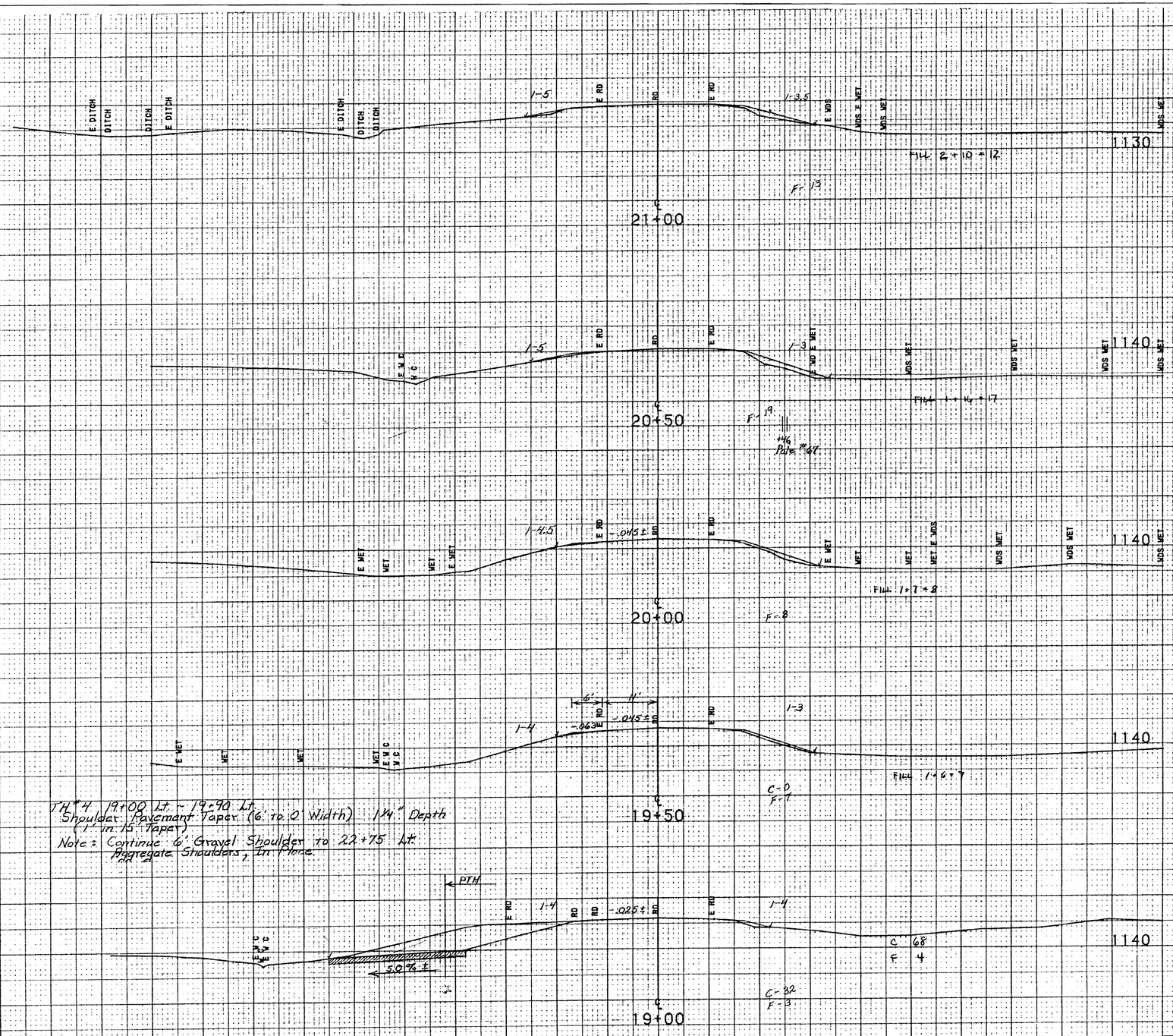
17+00

TH #4

FROM STA. 17+00	TO STA. 18+50		
PROJECT NAME	BERLIN DODGE RD		
NO. MEGE-M6200(2)S		PLOTTED 10/08/87	
SURVEYED BY	REED	09/87	0076
SHEET 70 OF 78 SHEETS			

SCALE 10 FEET

5



FROM STA. 19+00	TO STA. 21+00
PROJECT NAME	BERLIN DODGE RD
NO.	M6200(21)S
SURVEYED BY	REED
SHEET 71 OF 73 SHEETS	

PLOTTED 10/08/87
09/87 00/6

SCALE 1" = 10 FEET

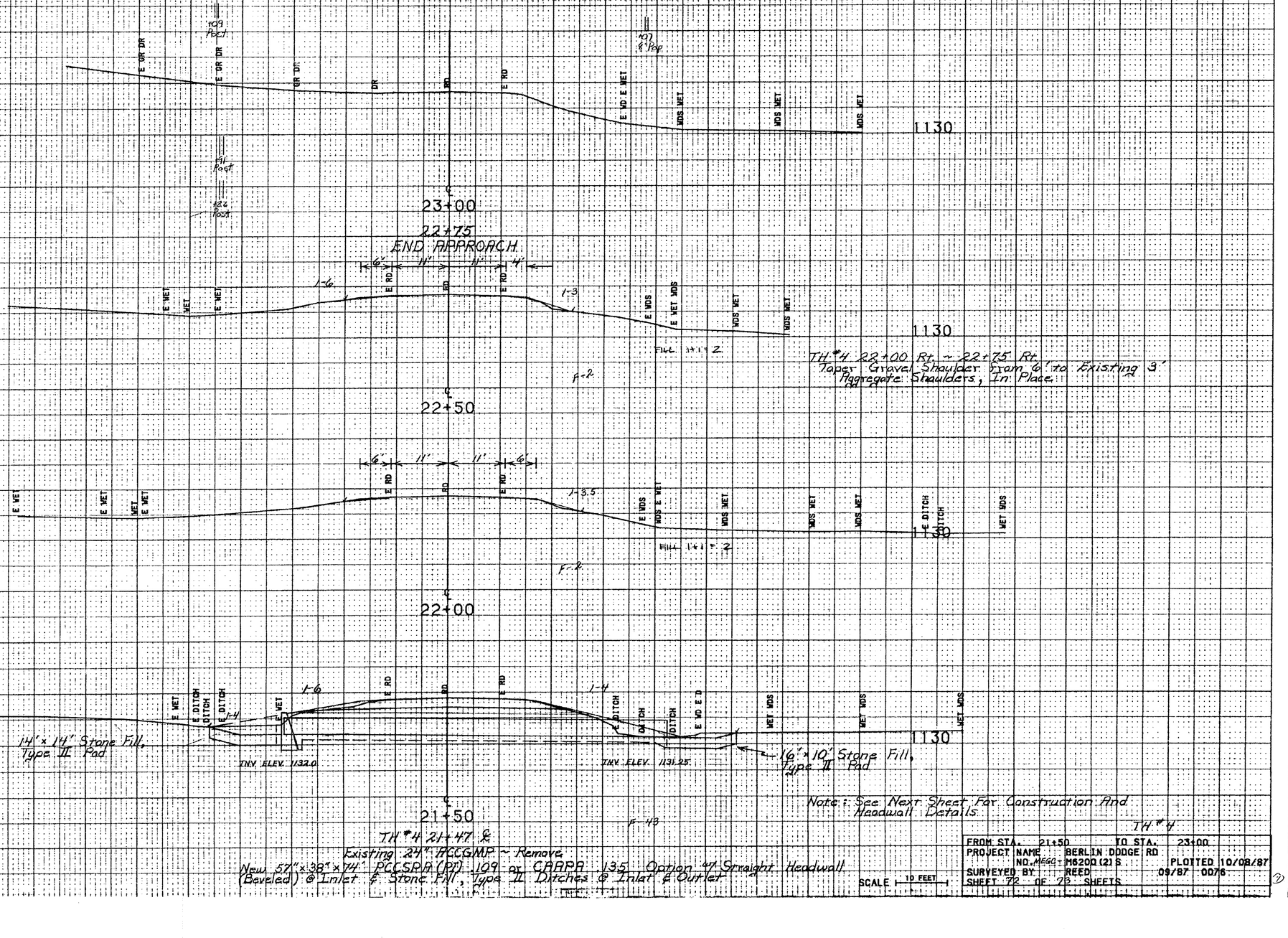
Plot's #67

Construction Approach Transition Detail

1¼" Bituminous Concrete Pavement Overlay — Begin Cold Planing — End 1¼" Cold Planing — Existing Pavement

T.H. #4 21+75 — T.H. #4 22+75

N.T.S.



Note: See Next Sheet For Construction And Headwall Details

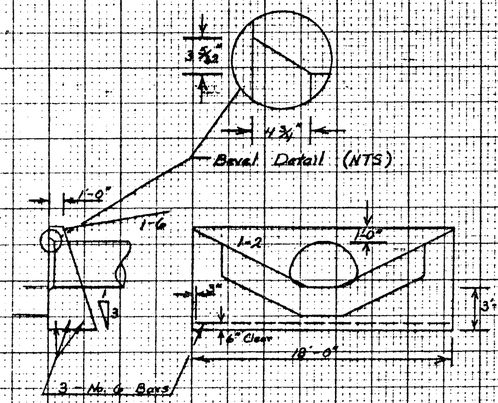
TH #4

TH #4 22+00 Rt. ~ 22+75 Rt.
Taper Gravel Shoulder From 6' to Existing 3' Aggregate Shoulders, In Place.

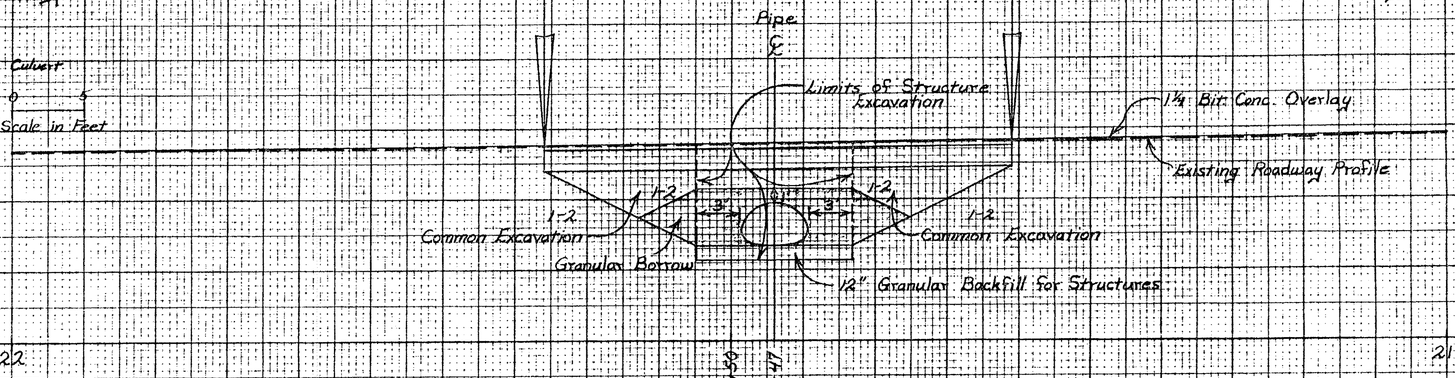
TH #4 21+47 ℄
Existing 24" ACCGMP ~ Remove
New 57"x38"x14' PCCSPA (pt) 109 or CAAPA 135 Option 47 Straight Headwall (Beveled) @ Inlet & Stone Fill, Type II Ditches @ Inlet & Outlet

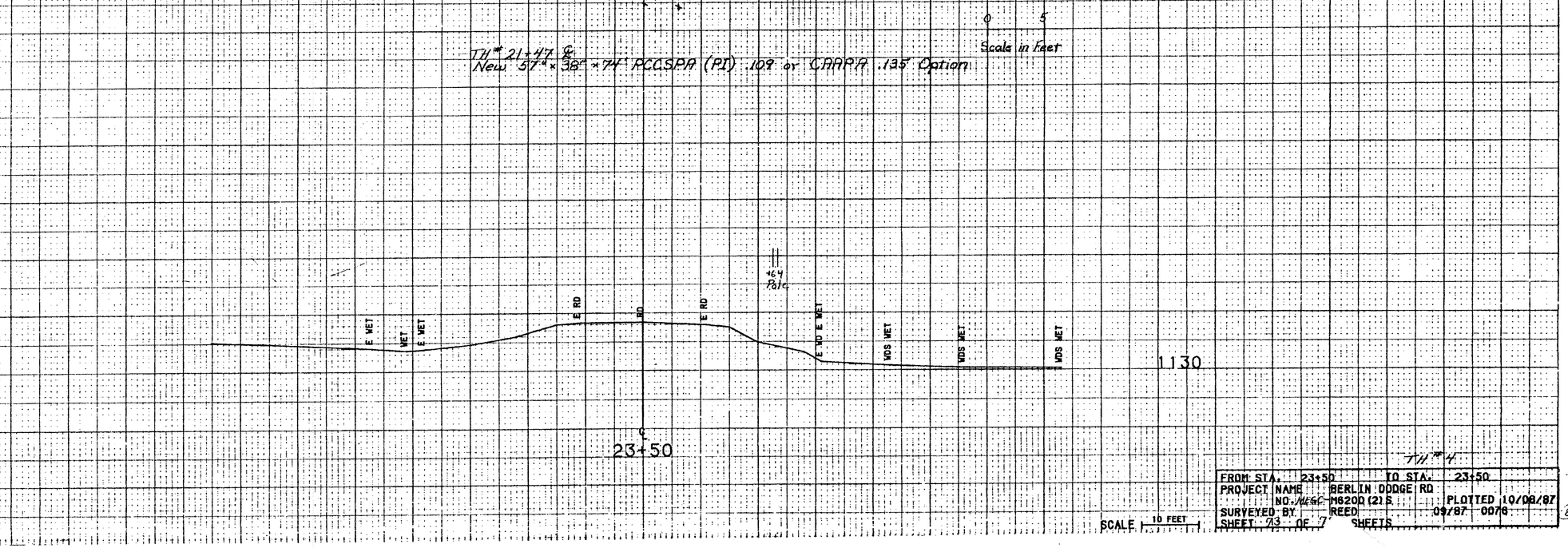
SCALE 10 FEET

FROM STA. 21+50		TO STA. 23+00	
PROJECT NAME	BERLIN DODGE RD		
NO. MEGA-	M6200(2)S		PLOTTED 10/08/87
SURVEYED BY	REED	09/87	0076
SHEET 72 OF 78 SHEETS			



Straight Headwall for 57" x 38" Arch Culvert





FROM STA. 23+50		TO STA. 23+50	
PROJECT NAME	BERLIN DODGE RD		
PROJECT NO.	M620D(21)S		PLOTTED 10/08/87
SURVEYED BY	REED	09/87	0076
SHEET 23 OF 7	SHEETS		

SCALE 10 FEET

8

BERLIN MEGC M6200(23)
REVISED SECTIONS
SCOTT HILL ROAD
73+50 ~ 77+50

77+50

EXCAV 39

77+0

EXCAV 74

76+50

EXCAV. 68

76+0

EXCAV 62

PROFILE
75+50

PROFILE
75+0

PROFILE
74+50

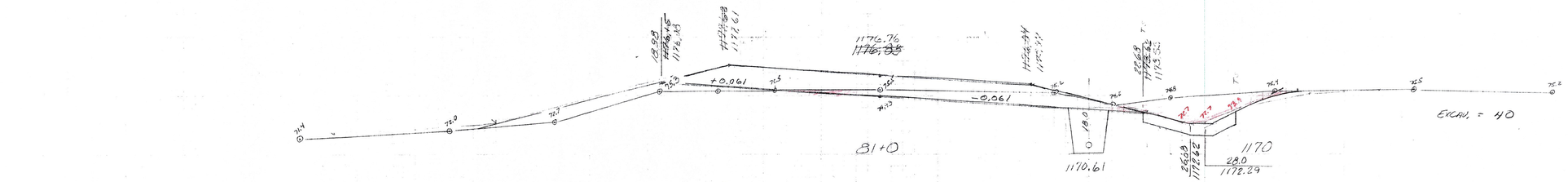
PROFILE
74+0

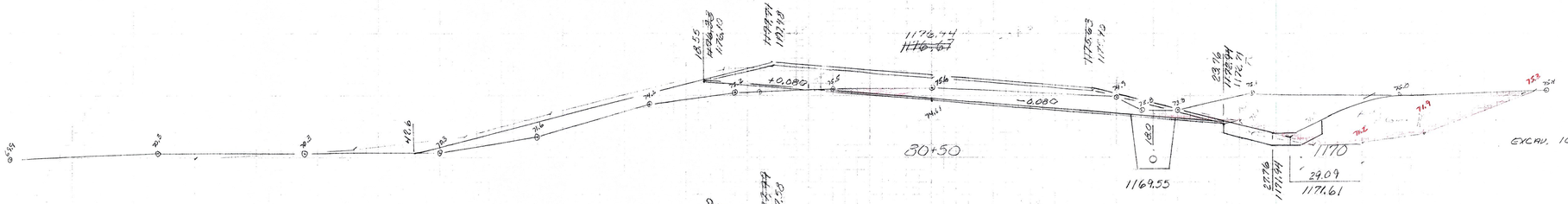
PROFILE
73+50

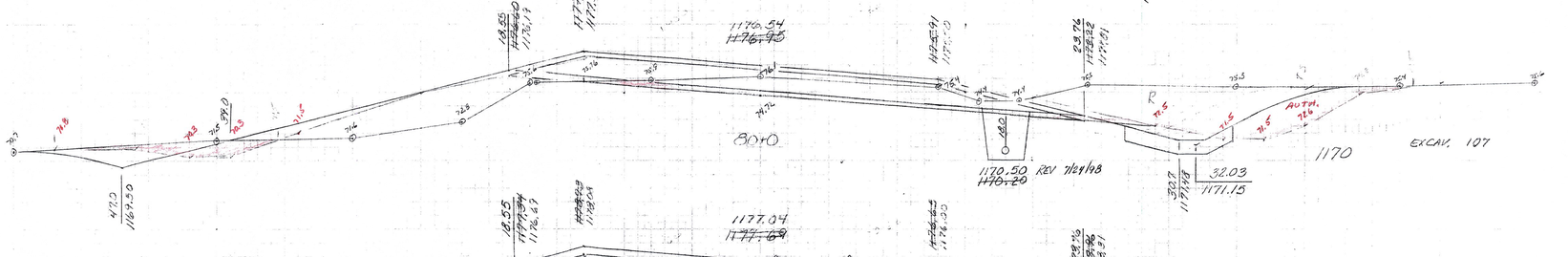
* No change in the ditch elevations as they were constructed before the grade was changed

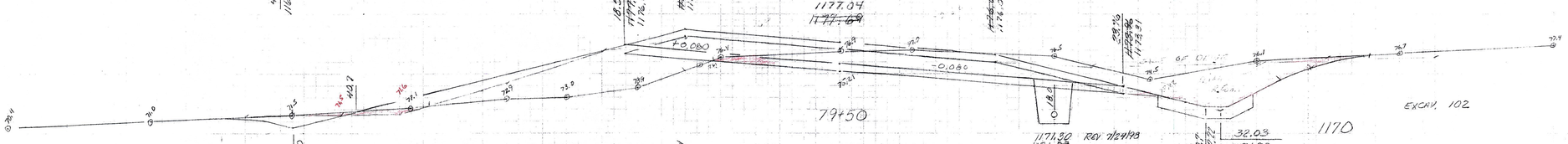
Keufel & Esser Company

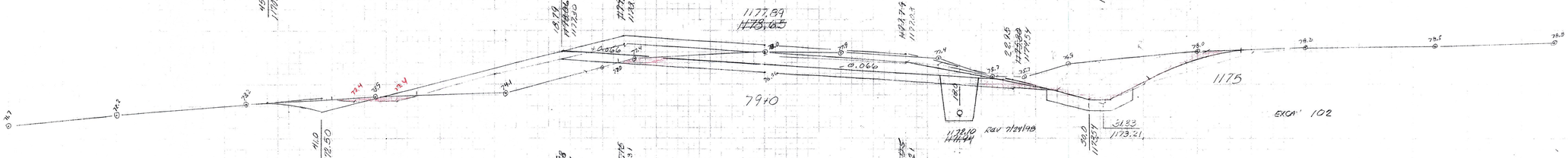
BEGIN MEGC M 6200(2) S
REVISED SECTIONS
SCOTT HILL ROAD
78+10 - 81+10

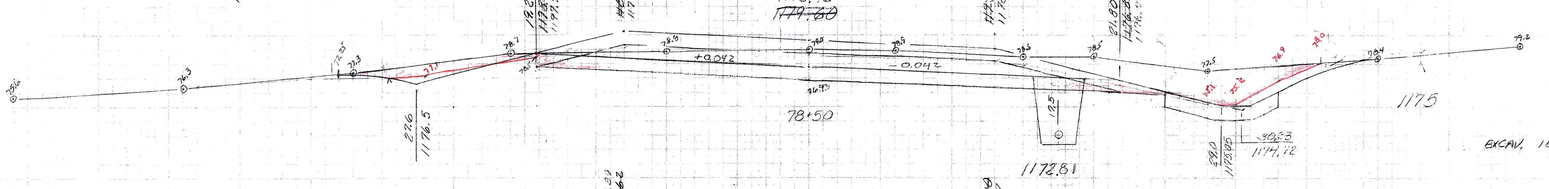


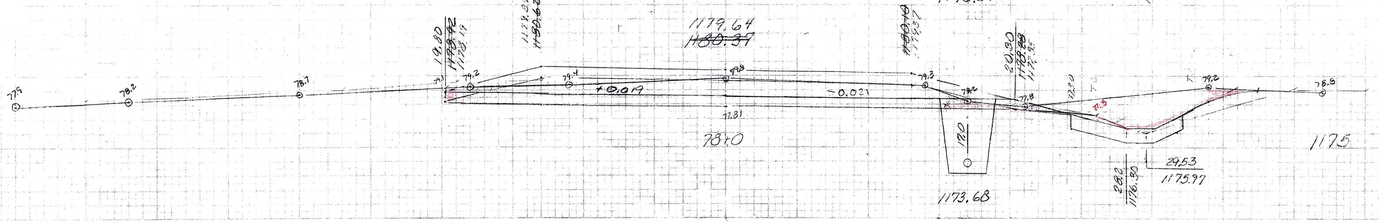










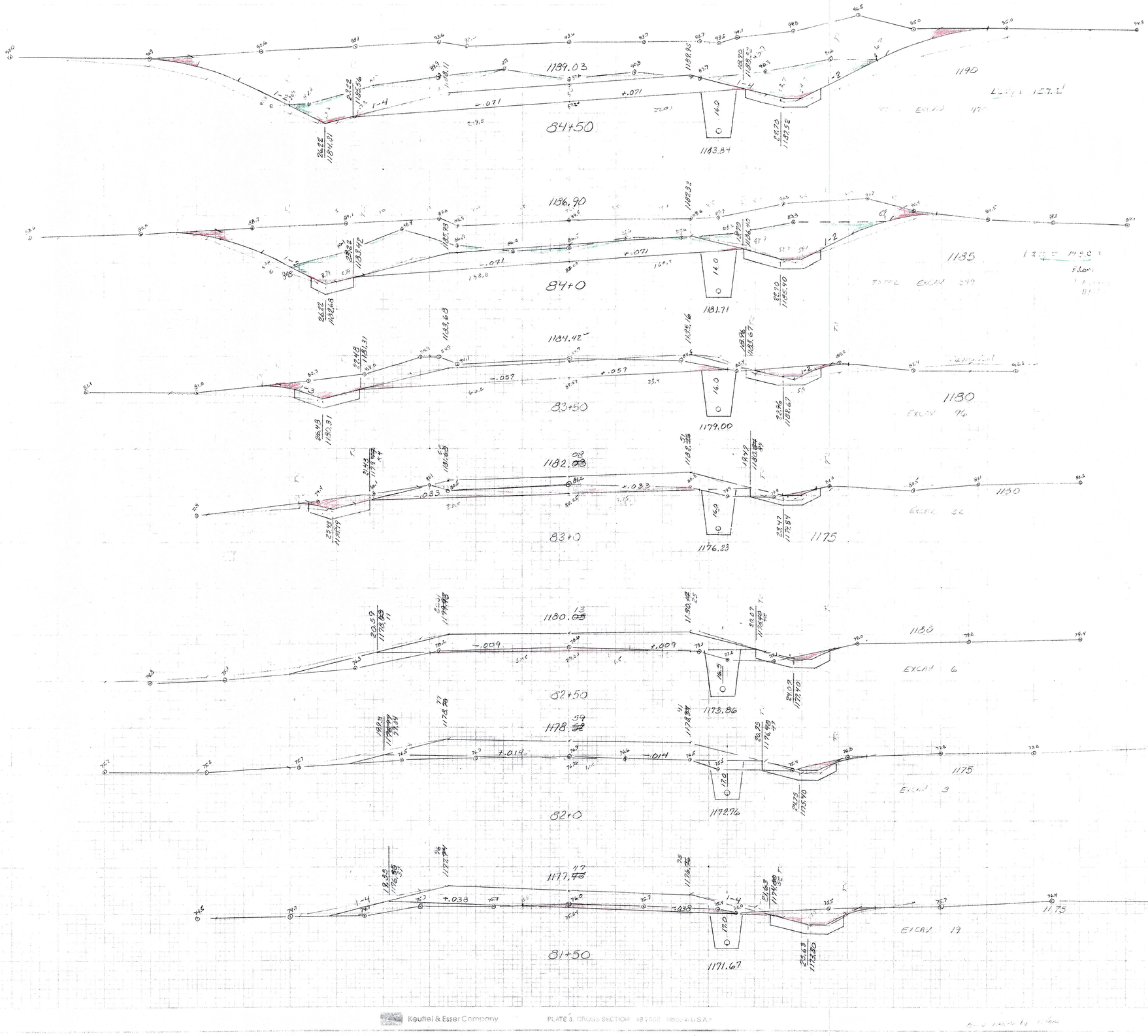


Comm. Equipt. - Mounted 4/20/93 7/27/93 8/24/93 R.Lemi

Insituform Technologies, Inc. PLATE 3. CROSS SECTION 48 FOSC Made in U.S.A.

* Underdrain was installed & backfilled to subgrade prior to grade change. R.Lemi

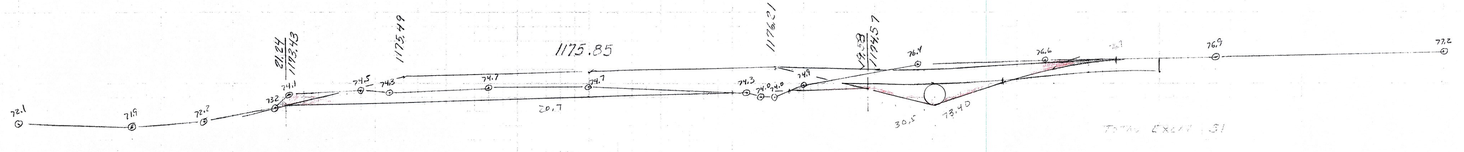
BEGIN MEGC M-0200(53)E
REVISED SECTIONS
SCOTT HILL ROAD
81+50 ~ 84+50

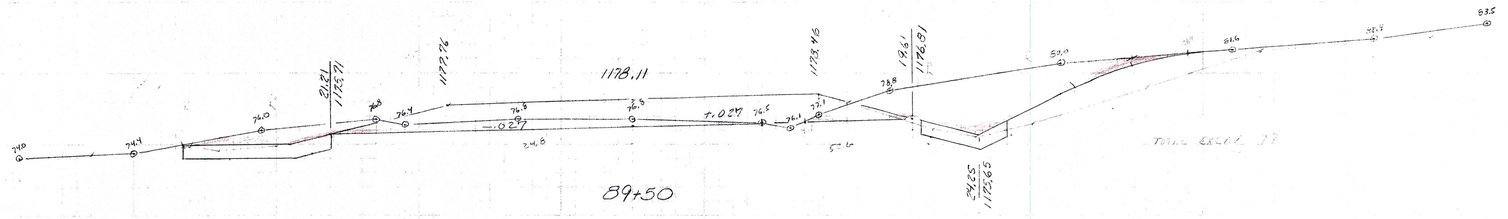


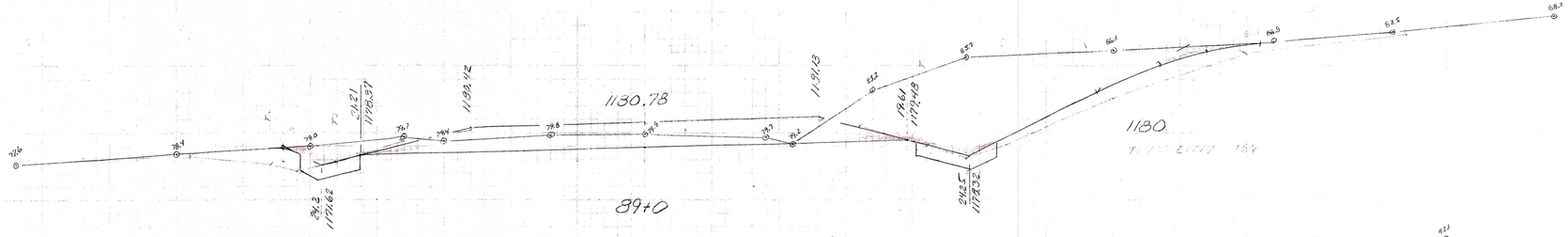
BERLIN MEGC M6200(2)S
REVISED SECTIONS
SCOTT HILL ROAD
85+0 ~ 87+0

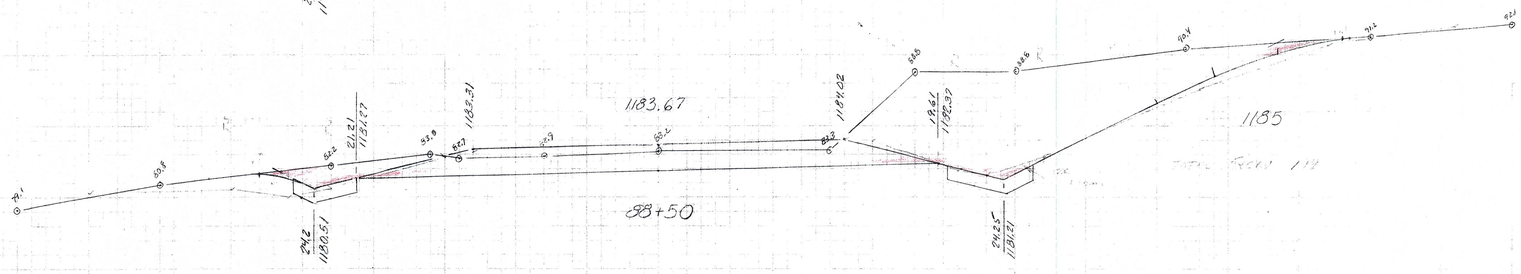
Conn - Fissette - North 4/20/98
R Conn 4/24/98
R Conn 4/24/98

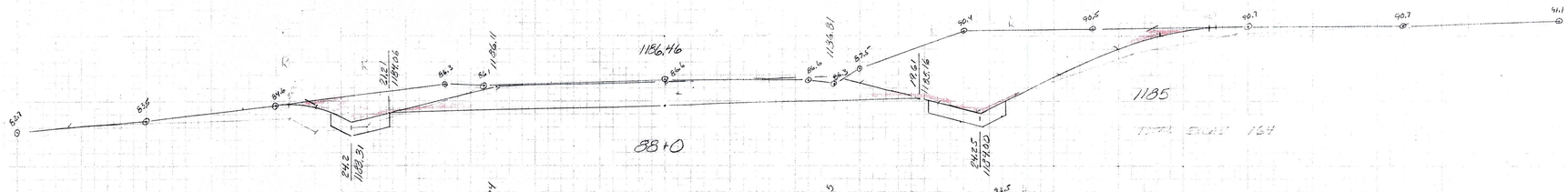
BERLIN MEGC M 6200(2)S
REVISED SECTIONS
SCOTT HILL ROAD
37+50 – 90+0

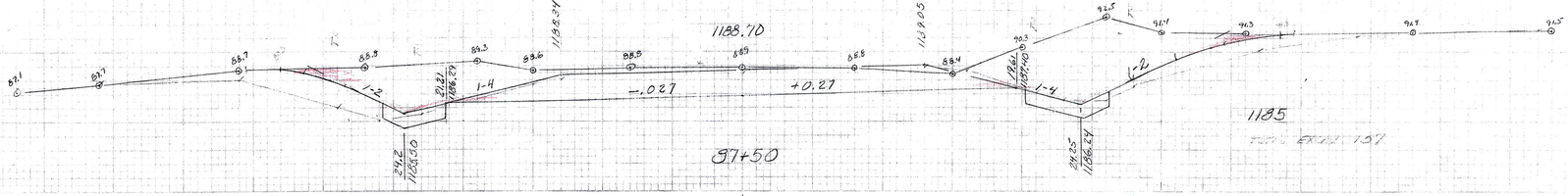




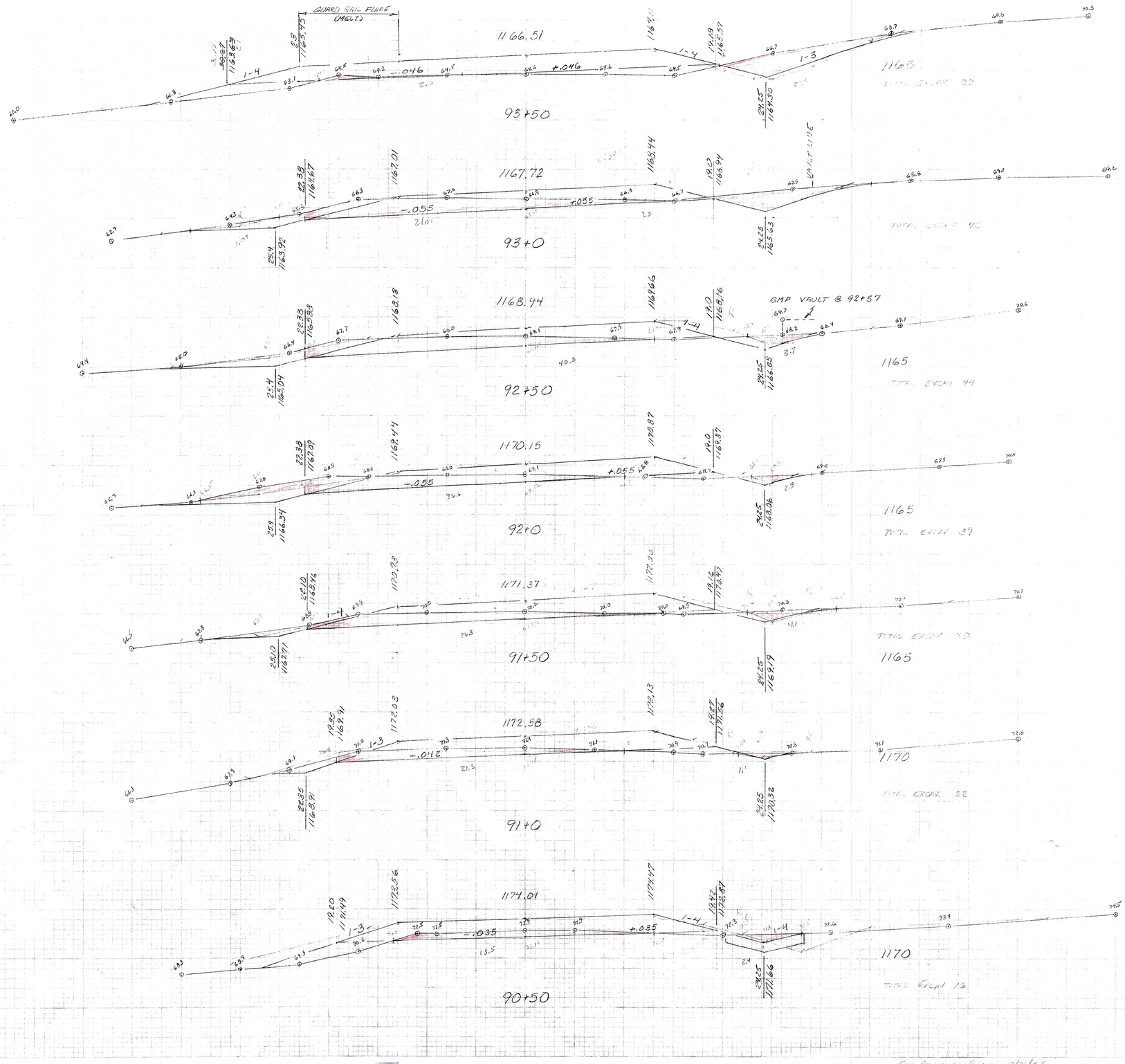








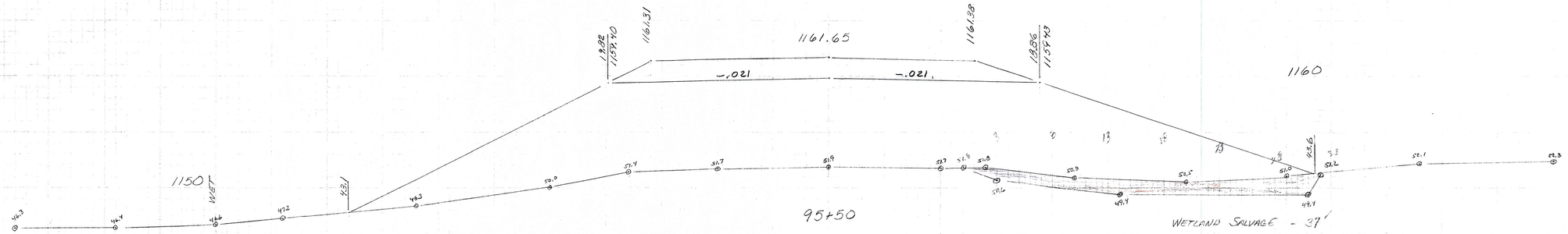
BERLIN MEGC M 6200(2) S
REVISED SECTIONS
SCOTT HILL ROAD
90+50 ~ 93+50

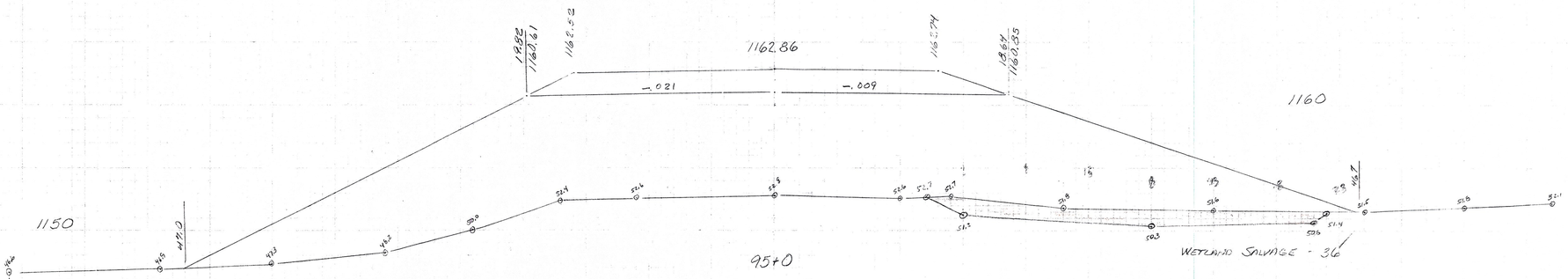


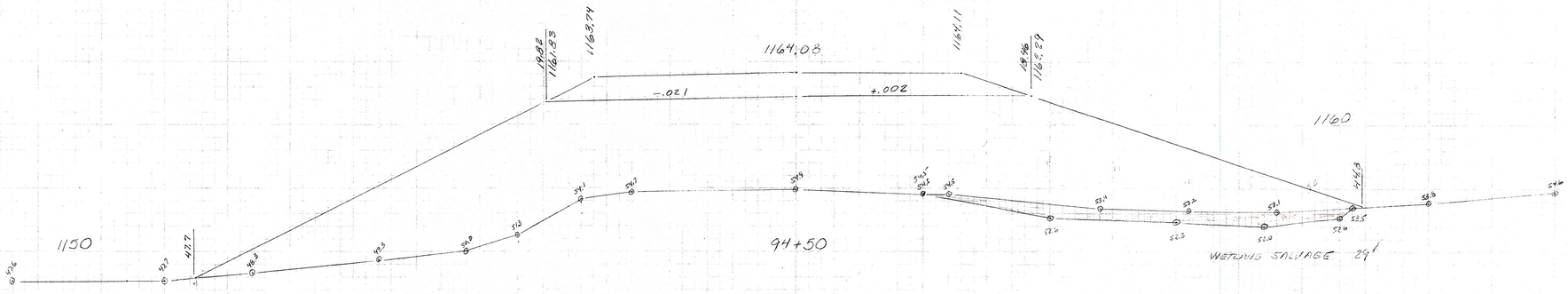
Keuffel & Esser Company PLATE 3, CROSS SECTION 48 7056 Made in U.S.A.

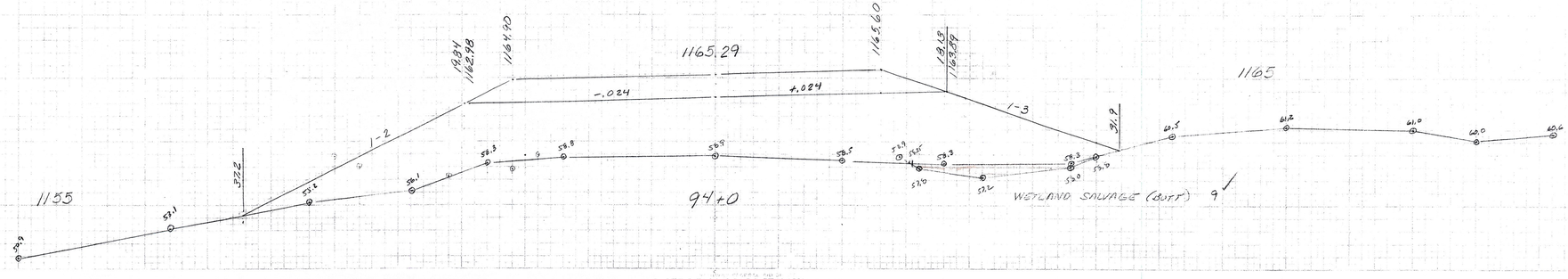
Cut Areas by Recom: 12/Oct/73

BERLIN MEGC M6200(12)S
REVISED SECTIONS
SCOTT HILL ROAD
94+00 ~ 95+50





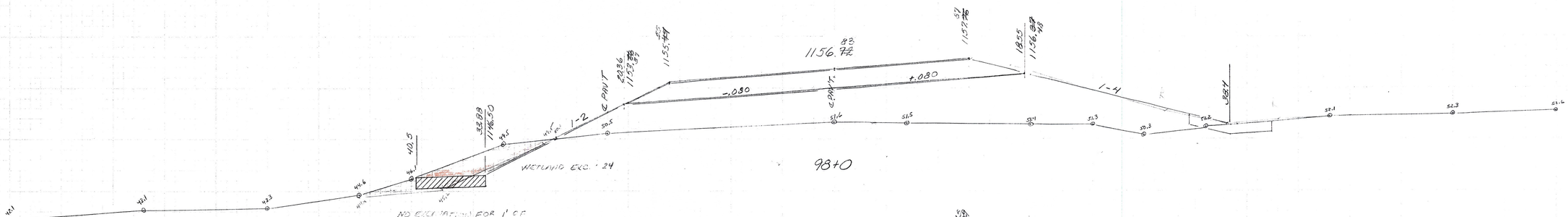


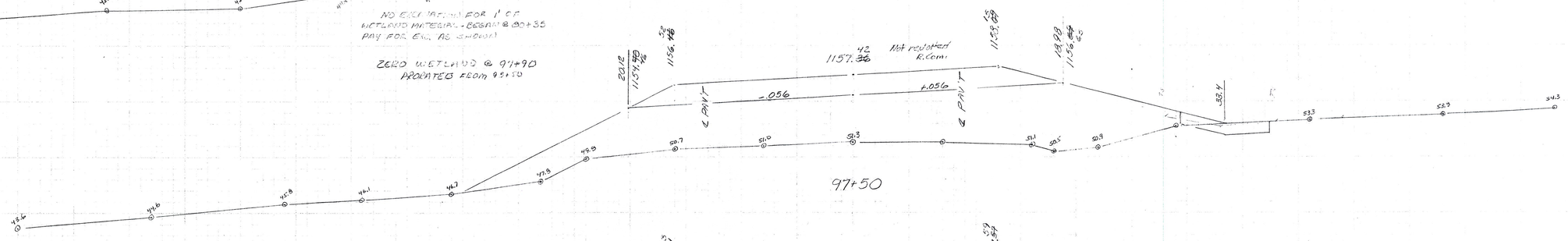


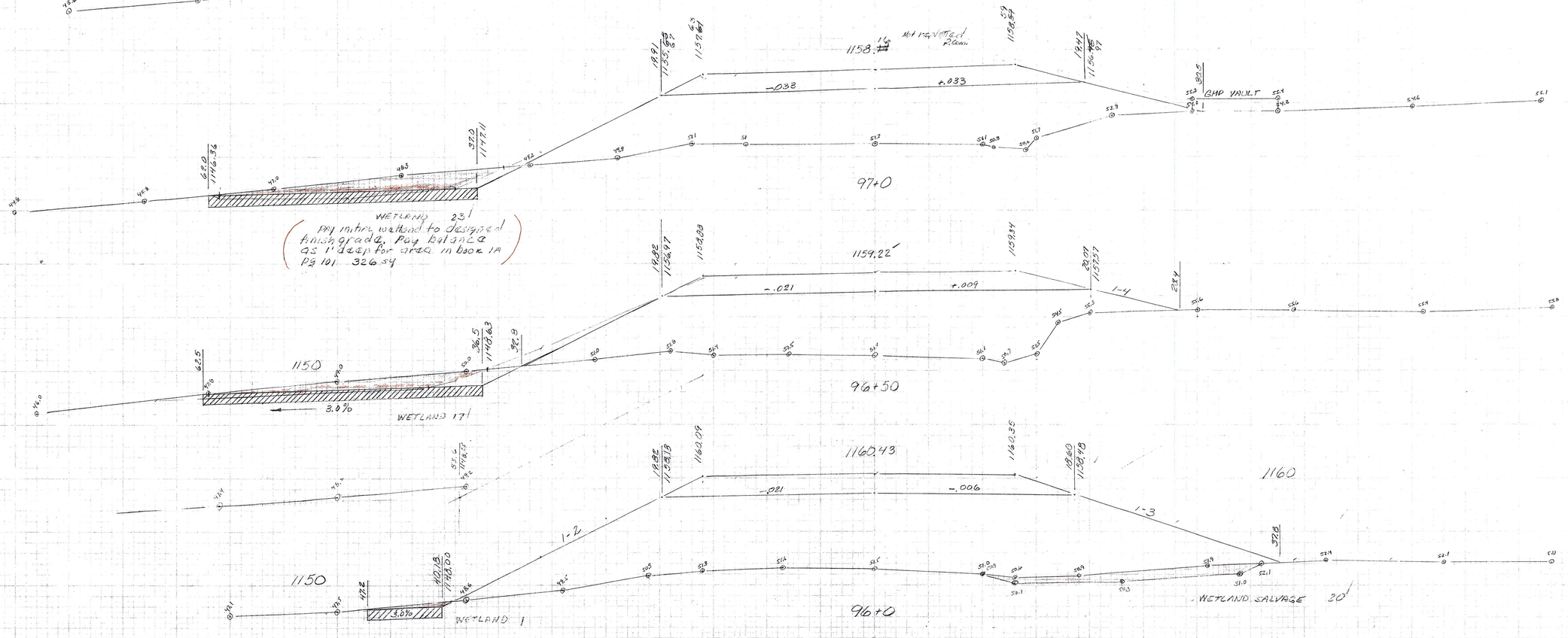
Com. Plotter - Xerox 4/21/98
Xform: 4/21/98
Plan: 4/30/98

PLATE 3 FULL CROSS SECTION FOR USE
NATIONAL PRINTING
PRINTED IN U.S.A.

BERLIN MEGC M6200(2) S
REVISED SECTIONS
SCOTT HILL ROAD
96+0 ~ 98+0







Grade raised 0.3 per W.O. #7 - 7/23/93

BERLIN MEGC 116200(2)S
REVISED SECTIONS
SCOTT HILL ROAD
98+50 ~ 99+50

As designed. Guard rail changed to 13' after base was in place. R.Comi

99+50

WETLAND EXCAVATION - 674

2.5%

1.080

1.060

1-4

Ladge 7

99+0

WETLAND EXCAVATION - 360'

4.0%

WETLAND EXCAVATION (99+0)

1-2

98+50

WETLAND EXCAVATION - 172'

3.0%

OUTLET 1145.00
OFF 35.5

STONE FILL, TYPE I

1152.25

INV. 1150.00
OFF 34.5'

Ladge 34

Comi - Assette Mann 10/1/98
R.Comi 10/1/98
R.Comi 10/8/98

PLATE 3-FULL CROSS SECTIONS

FINAL DRAINAGE SUMMARY

PREPARED BY ____________ PROJECT BERLIN

CHECKED BY Jhc 1/11/99 NO. MEGC M6200(2)S

STATION	STATION	Posit	Askew	Pipe Arch S	Pipe Arch R	Pipe Arch L	Pipe D	Pipe L	Type Pipes CAAP	Type Pipes CPEP	Type Pipes CSP	E.S.	Conc Class B	Reinf. Steel	Trench Excav Earth	Trench Excav Rock	Comm Excav	Solid Rock Excav.	Unclas Chann. Excav.	Struct Excav.	Gran. Bkf Struct	Sand Borrow	Gran. Borrow	Eros. Matt.	Stone Fill C4	Stone Fill Type	Mrkr Posts LT	Mrkr Posts RT	6" Und	6" Und. Carrier	Flush. Basins	COMMENTS	Book	Page
TH#5 Scott Hill Road																																		
75+53 ~~75+50~~	76+91 ~~76+98~~	Rt															41.5								41.5	I						Special Ditch	2	4
76+90	77+14	Rt																														No Quantities	2	8
77+08		Rt		28"	20"	36'					.064				1.4							3.8										Row Drive Culvert	2	10
77+21	77+35	Rt															0.9								0.9	I						Special Ditch	2	14
77+48		Rt		28"	20"	40'					.064				1.6							4.3										R.O.W. Drive Culvert	2	18
77+68 ~~77+66~~	79+41 ~~79+46~~	Rt															49.8								49.8	I						Special Ditch	2	22
78+0	80+0	Lt																						—								No Quantities	2	26
79+59		Rt					24"	40'		✓					2.4							7.8										Lemanski Drive Culvert	2	28
79+80 ~~79+77~~	80+38 ~~80+36~~	Rt															18.7								18.7	I						Special Ditch	2	32
80+44 ~~80+45~~		℄	90°				36"	80'	.075				4.85	17	192.9						3.1	41.3			56.4	II	1	1					2	38
80+50 ~~80+54~~	84+63 ~~84+64~~	Rt															121.5								121.5	I						Special Ditch	2	44
83+0	85+0 ~~83+75~~	Lt															16.5	20.2							36.7	I						Special Ditch	2	50
84+83		Rt					18"	44'		✓					2.3							11.1										Dion Drive	2	52
86+50	89+50 ~~89+75~~	Lt															50.0								50.0	I						Special Ditch	2	56
86+50	89+83 ~~89+87~~	Rt															74.4								74.4	I						Special Ditch	2	60
90+0		Rt					18"	40'		✓					1.4							9.7										Field Drive	2	64
90+23 ~~90+18~~	90+85 ~~90+71~~	Rt															32.1								32.1	I						Special Ditch	2	66
90+75		℄	90°				18"	60'		✓		1			33.1						8.2				4.3	I	1	1					2	68
90+93	94+30	Rt															88.1								88.1	I						Special Ditch	2	134
95+65 ~~95+58~~		℄	90° 81° Rt				42"	78'	.105				6.34	21	84.7							29.8			48.8	II	1	1					2	72
95+62		℄													—																	No Quantity	2	78
97+23 ~~97+25~~	98+58 ~~98+46~~	Rt															28.7								41.8	I						Special Ditch	2	80
98+50		℄	90°				24"	70'		✓		1			47.6						12.6				3.6	II	1	1					2	84
TH#4																																		
98+50 Rt	16+0 Lt																							—								No Quantity	2	90
99+05	99+76	Lt													—																	No Quantity	2	92
TH#4 Dodge Road/Airport Road																																		
14+50	15+48	Lt																						83								Spec. Ditch w/ Erosion Matt.	2	94
15+64		℄																									1	1					2	96
21+47		℄																														No Quantity	2	98
21+50 ~~21+47~~		℄		57"	38"	74'							9.64	79			244.4		52	190	38.6		142.5		52.1	II	1	1					2	100
UNDERDRAIN																																		
75+63 ~~75+50~~	80+41.5 ~~80+40~~	RT													241.9	14.6												1	463	23.3	1		2	106
80+40		℄																														No Quantity	2	112
80+46.5 ~~80+50~~	83+85 ~~83+30~~	Rt													200.6	3.0												1	326.5	21.8	1		2	114
80+50		℄																														No Quantity	Not entered	
83+71 Rt	83+88 Lt	Added													20.9	4.2											1		37.5	3.5	1		2	118
99+0	98+98.5	RT	combined												63.7	62.0											1	2	183.5	52.5	2		2	122
99+86.5 Lt	100+00.5 Rt																																	
	98+86.5 Lt																																	
							18 18	84' Drives 60' Roadway																			8	10						
				28" 57"	20" 38"	76' CSP 74' CAAPA	24 24 36" 42"	40' Drives ✓ 70' Roadway ✓ 80' ✓ 78' ✓				1-18" 1-24"	20.83	117	894.5	83.8	766.6	20.2	52	190	62.5	107.8	142.5 Pay 143	83	559.8 160.9	I II	18		1010.5 Pay 1011	101.1 Pay 101	5			

BERLIN

MEGC M6200(2)S

EXCAVATION ON TH#4 (AIRPORT ROAD)

STA	DIST	AREA	VOL	
14+50	BUTT ↓ 50	14.2 ✓	57.9 ~~58.3~~	
15	50	~~48.8~~ 48.3	115.9 ~~116.4~~	
+50	BUTT ↑	76.9 ✓		
+50	BUTT ↓ 50	29.5 ✓	46.5 ✓	
16	BUTT ↑	20.7 ✓		
16	BUTT ↓ 50	27.8 ✓	56.5 ✓	
+50	50	33.2 ✓	57.5 ✓	
17	BUTT ↑	28.9 ✓		
17	BUTT ↓ 50	7.0 ✓	16.8 ✓	
+50	50	11.1 ✓	24.7 ✓	
18	BUTT ↑	15.6 ✓		
18	BUTT ↓ 50	24.5 ✓	38.4 ✓	
+50	50	17.0 ✓	28.1 ✓	
19	50	13.4 ✓	23.5 ✓	
+50	50	12.0 ✓	22.3 ✓	
20	50	12.6 ✓	22.1 ✓	
+50	50	11.3 ✓	26.0 ✓	
21	31.5	16.8 ✓	20.1 ✓	
+31.5	BUTT ↑	prorated 17.6		Begin excavation for culvert
+68.5	BUTT ↓ 31.5	prorated 18.6	22.2 ✓	End excavation for culvert
22	50	19.4 ✓	33.2 ✓	
+50	25	16.5 ✓	15.3 ✓	
+..	BUTT ↑	16.5		

Additional excavation: Dense Graded Stone same quantity

2ea excavate over culvert @ 21+50

627.5 ~~688.4~~ ✓

58.3 ✓ R.Lomi 1/21/99 due to time constraints @ night.

~~686.7~~ 685.8

(35)(30)(1.5)(1/27) = 58.3 ✓ cy

T. MANCINI 07/26/99

R.Lomi 08-16-99

FINAL EARTHWORK SHEET

STATE OF VERMONT
AGENCY OF TRANSPORTATION

STATION	DIST	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK CU. YDS.	ROCK EXCAVATION AREA	ROCK EXCAVATION CU. YDS.	Notes	Quantity	Check
75		54 (ok)						
	50		107					
+50		62						
	50		115					
76		62						
	50		111					
+50		58						
	50		122					
77		74				TOTAL EXCAVATION	1515	(initials) 1/6/99
	50		151			Bk#1 page 28 ROCK EXCAVATION	73	
+50		39				EARTH EXCAVATION	1442	
	50		156					
78		30						
	50		175					
+50		109						
	50		195					
79		102						
	50		189					
+50		102						
	50		194					
80		107						
	50		194					
+50		103						
	50		132					
81		40						
	50		55					
+50		19						
	50		20					
82		3						
	50		8					
+50		6						
	50		35					
83		32				TOTAL EXCAVATION	2714	(initials) 1/6/99
	50		119			ROCK EXCAVATION	766	
+50		96				EARTH EXCAVATION	1948	
	25							
+75			412	0				
	25				69			
84		349		48				
	25				134			
+25			758	141				
	25				138			
+50		478		157				
	25				179			
+75			981	230				
	25				246			
85		589		301				
	25				324			
+25			1051	398				
	25				291			
+50		546		231				
	25				250			
+75			812	310				
	25				230	TOTAL EXCAVATION	4267	
86		331		186		ROCK EXCAVATION	1193	
	25				92	Bk#1 pg 28 ROCK EXCAVATION (19+50)	19 } 1212	
+25			489	12		EARTH EXCAVATION	3055	
	25				6			
+50		197		0				(initials) 1/6/99
	25				1959			
+75			319	3		Rock this block	1212	
	25					Bk#1 pg 28	60	(Shim allowance - subgrade over breakage)
87		147					→ 1272	
	50		281					
+50		157						
	50		297					
88		164						
	50		336					
+50		199						
			7614					
CARRIED FORWARD								
COLUMN FOOTINGS			7814		1959			

STATION	DIST	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK CU. YDS.	ROCK EXCAVATION AREA	ROCK EXCAVATION CU. YDS.	Notes	Quantity	Check
88+50		199						
	50		338					
89		166						
	50		225					
+50		77						
	50		119					
90		51						
	50		62					
+50		16						(initials) 1/6/98
	50		35			TOTAL EXCAVATION	452	
91		22						
	50		48					
+50		30						
	50		64					
92		39						
	50		77					
+50		44						
	50		82					
93		45						
	50		63					
+50		23						
	50		21					
94		0 (ok)						
	50		1134					
+50								
	50							
95								
	50							
+50								
	50							
96								
	50							
+50								
	50							
97								
	50							
+50								
	50							
98							520	
	40					TOTAL EXCAVATION	~~337~~	
+40		0				ROCK EXCAVATION	42	
	10		3			Bk#1 page 28 ROCK EXCAVATION	22	64
+50		16				EARTH EXCAVATION	~~273~~ 456	
	50		60					
99		49		0				
	25				18			
+25			186	39				
	25				21	GD TOTAL EXC	9468	Rlom
+50		152		7		GD TOTAL ROCK EXC (ded)	2115	
	25				3	GD TOTAL EARTH EXC	7353	Rlom 1-6-99
+75				0				
	7.3				(42)			
99+82.3=			271					
99+78.4								
EQ+3.9'	21.6							
100		80x1.5 (ok) 120						
			(520)					
CARRIED FORWARD								
COLUMN FOOTINGS			1654	42				

	TOT EX.	ROCK SECTIONS	DEDUCT. ADDITION. ROCK	TOTAL DEDUCT. ROCK
75+0 – 80+0	1515	–	73	73
80+0 – 85+0	2714	766	–	766
85+0 – 90+0	4267	1193	19	1212
90+0 – 95+0	452	–	–	–
95+0 – 100+0	520	42	22	64
	9468	2001	114	2115

Additional Rock (Auth overbr. bk 1 pg 39 — 60
Removal stone in ditch (Bk#2 pg 50) — 20
2195

CONSTEW. PRF; 1
21-SEP-1989
ZGO: [50, 50] CONST. DGN

PROJECT NAME: BERLIN
PROJECT NUMBER: MEGC M 6200 (2) S

SHEET OF SHEETS

Subgrade undercuts

SUB Item	Sta ~ Sta	Quant		Source Bk	Pg
E75	75+50 ~ 79+50	549.6	CY Comm	7	92
E85	86+75 ~ 87+65	79.4	"	7	93
E95	99+25 ~ 100+0	113.2	"	7	94
		742.2			
		R.Comi			

Special ditches - from

Sta ~ Sta	Quant	SUB ITEM	Bk	Pg
75+53 ~ 76+91 Rt	41.5	7550	2	4
77+21 ~ 77+35 Rt	0.9	7721		14
77+68 ~ 79+41 Rt	49.8	7766		22
79+80 ~ 80+33 Rt	18.7	7977		32
80+50 ~ 84+63 Rt	121.5	8054		44
83+0 ~ 85+0 Lt	16.5	8300		50
86+50 ~ 89+50 Lt	50.0	8650		56
86+50 ~ 89+83 Rt	74.4	8650A		60
90+23 ~ 90+85 Rt	32.1	9018		66
91+98 ~ 94+30 Rt	88.1	9800		134
97+28 ~ 99+58 Rt	28.7	9725	2	80
Stopa undercut 99+0 ~ 99+30 Lt	18.0	E99	Sall pay @ 152	
	540.2 cy			
	R.Comi 12/16/93			
Culvert Type 1				
21+90	244.4	2147	DRAINAGE SHEET	
	784.6			
	783 cy			
	R.Comi			

ITEM 203.15 COMMON EXCAVATION

	ORIG	FINAL
	14480 cy	

Summary

	ORIG	FINAL	Ck	By
MAINLINE TH#5	12156	7353	Embankment	
TH#4 · DODGE CO RD	684	687	"	"
DRIVES	963	776	1	17
DRAINAGE SHEET & SHPL	633	785	1	25
WETLAND CREATION	2737	0	JA	94
UNDERCUTS	0	767	1	24
ROUNDING	52			

Add XL to sections Bk IR Pg 94

BERLIN

MEGC H6200(2)S

EXCAVATION ON TH#4 (AIRPORT ROAD)

STA	DIST	AREA	VOL	
14+50	BUTT ↓ 50	14.2	58.3	
15	50	48.8	116.4	
+50	BUTT ↑	76.9		
+50	BUTT ↓ 50	29.5	46.5	
16	BUTT ↑	20.7		
16	BUTT ↓ 50	27.8	56.5	
+50	50	38.2	57.5	
17	BUTT ↑	28.9		
17	BUTT ↓ 50	7.0	16.8	
+50	50	11.1	24.7	
18	BUTT ↑	15.6		
18	BUTT ↓ 50	24.5	38.4	
+50	50	17.0	28.1	
19	50	13.4	23.5	
+50	50	12.0	22.8	
20	50	12.6	22.1	
+50	50	11.3	26.0	
21	31.5	16.8 prorated	20.1	
+31.5	BUTT ↑	17.6 prorated		Begin excavation for culvert
+68.5	BUTT ↓ 31.5	18.6 prorated	22.2	End excavation for culvert
22	50	19.4	33.2	
+50	25	16.5	15.3	Additional excavation:
+75	BUTT ↑	16.5		Re-excavate over culvert @ 21+50

628.4 R.Lomi due to time constraints @ night.
58.3 1/21/99
686.7 (35)(30)(1.5)(1/27) = 58.3 cy

FINAL EARTHWORK SHEET

STATE OF VERMONT
AGENCY OF TRANSPORTATION

STATION	DIST	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK CU. YDS.	ROCK EXCAVATION AREA	ROCK EXCAVATION CU. YDS.										
75		54 (62)													
	50		107												
+50		62													
	50		115												
76		62													
	50		111												
+50		58													
	50		122												
77		74										TOTAL EXCAVATION	1515		
	50		151									ROCK EXCAVATION	73		
+50		39										EARTH EXCAVATION	1442		
	50		156												
78		30													
	50		175												
+50		109													
	50		195												
79		102													
	50		189												
+50		102													
	50		194												
80		107													
	50		194												
+50		103													
	50		132												
81		40													
	50		55												
+50		19													
	50		20												
82		3													
	50		8												
+50		6													
	50		35												
83		32										TOTAL EXCAVATION	2714		
	50		119									ROCK EXCAVATION	766		
+50		96										EARTH EXCAVATION	1948		
	25														
+75			412	0											
	25				69										
84		349		148											
	25				134										
+25			758	141											
	25				138										
+50		478		157											
	25				179										
+75			981	230											
	25				246										
85		589		301											
	25				324										
+25			1051	398											
	25				291										
+50		546		231											
	25				250										
+75			812	310											
	25				230										
86		331		186											
	25				92										
+25			489	12											
	25				6										
+50		197		0											
	25				1959										
+75			319	3											
	25														
87		147													
	50		281												
+50		157													
	50		297												
88		164													
	50		336												
+50		199													
			7614												
CARRIED FORWARD															
COLUMN FOOTINGS			7814		1959										

Bk #1 page 28

STATION	DIST	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK CU. YDS.	ROCK EXCAVATION AREA	ROCK EXCAVATION CU. YDS.										
88+50		199													
	50		338												
89		166													
	50		225												
+50		77													
	50		119												
90		31													
	50		62												
+50		16													
	50		35									TOTAL EXCAVATION	452	3/16/89	
91		22													
	50		48												
750		30													
	50		64												
92		39													
	50		77												
+50		44													
	50		82												
93		45													
	50		63												
+50		23													
	50		21												
94		0 (62)													
	50		1134												
+50															
	50														
95															
	50														
+50															
	50														
96															
	50														
+50															
	50														
97															
	50														
+50															
	50														
98															
	40														
+40		0													
	10		3												
+50		16													
	50		60												
99		49		0		18									
	25														
+25			186	39		21									
	25														
+50		152		7		3									
	25														
+75				0		(42)									
99+82.3			271												
99+78.4															
EQ+3.9'	21.6														
100		(60) 120													
			(320)												
CARRIED FORWARD															
COLUMN FOOTINGS			1654		42										

Bk #1 page 28

	TOT EX	ROCK SECTIONS	Deduct for position Rock	Total Deduct Rock
75+0 – 80+0	1515	–	73	73
80+0 – 85+0	2714	766	–	766
85+0 – 90+0	4267	1193	19	1212
90+0 – 95+0	452	–	–	–
95+0 – 100+0	520	42	22	64
	9468	2001	114	2115
Additional Rock (with overbreak Bk #1 pg 28				60
Removal stone in ditch (Bk #2 pg 50)				20
				2195

TOTAL EXCAVATION	9468 (1)	
ROCK EXCAVATION (Std)	2115 (1)	
EARTH EXCAVATION	7353 (1)	

TOTAL EXCAVATION		339
ROCK EXCAVATION	42	
ROCK EXCAVATION	22	64
EARTH EXCAVATION		275
		478

CONSTEW. PRF; 1
21-SEP-1989 ZGO: [50, 50] CONST. DGN

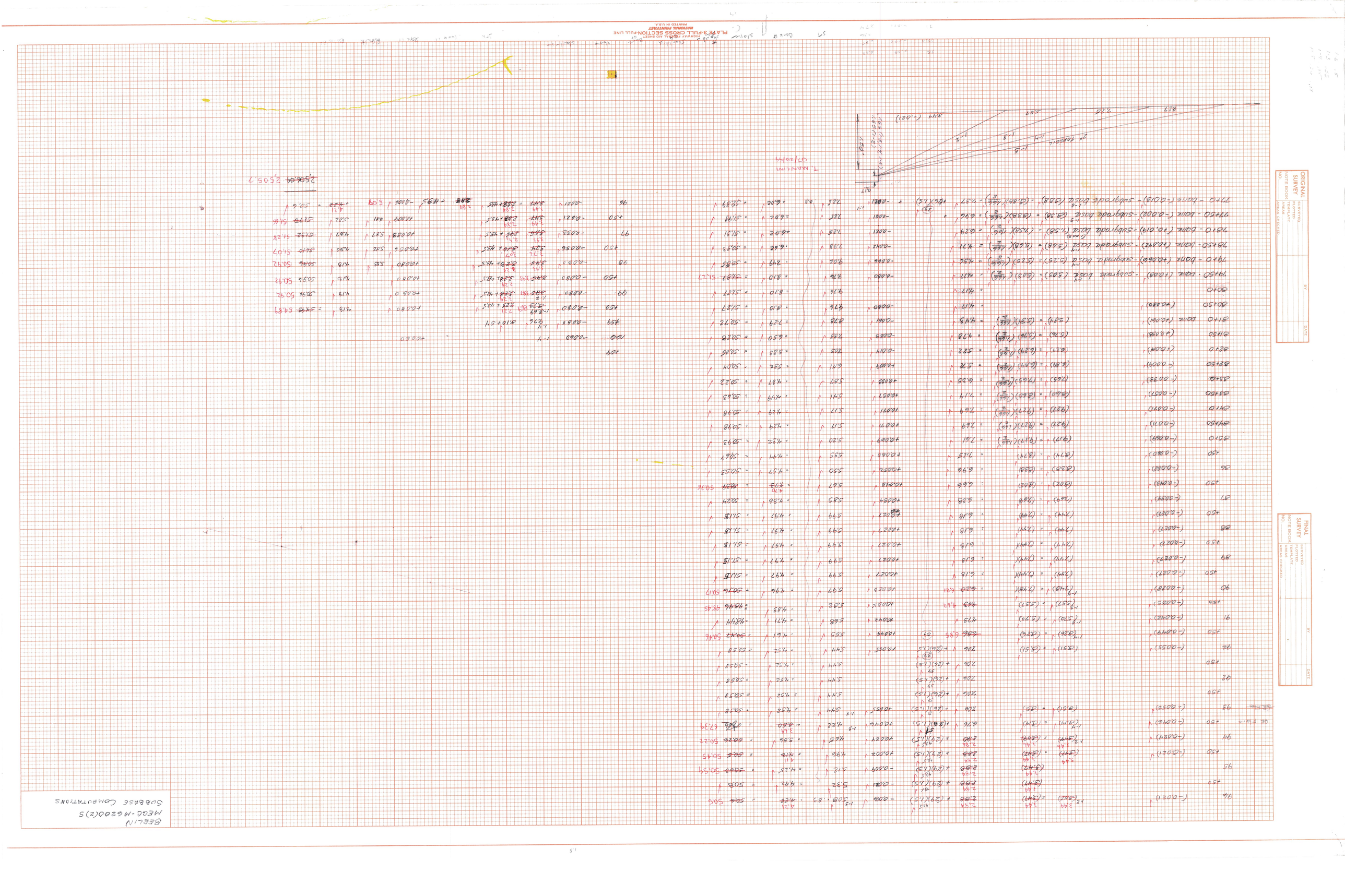
PROJECT NAME BERLIN
PROJECT NUMBER MEGC M6200(2)S

SHEET OF SHEETS

GEELIN
MEGA-MAGNOC(2)S
SUBBASE COMPUTATIONS

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

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



BERLIN

ROAD PROFILE 370+00 - 375+50

℄ - Lt # Rt 11'

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

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

Centerline

11'

11'

11'

11'

370 — 425 — 450 — 370 — 425 — 450

Pencil existing

Green - designed

PLATE 3-FULL CROSS SECTION-PULL LINE
NATIONAL PENSTOCK
MENTED IN U.S.A.
HUNWAY FEDERAL AID SHEET

ORIGINAL SURVEY
INSPECTED
PROJECTED
NOTE BOOK
TEMPLATE
AREA
AREA CHECKED
BY
DATE

FINAL SURVEY
INSPECTED
PROJECTED
NOTE BOOK
TEMPLATE
AREA
AREA CHECKED
BY
DATE

7/11/96
50 yds

6/25/96
110 yds

201+10

202+10

202+75

6/25/96
75 yds

0+19

1+10

1+30

RAMP

STUB

7/9/96
125 yds

7/8/96
200 yds

7/1/96
350 yds

7/1/96
50 yds

6/17/96
250 yds

6/18/96
450 yds

6/19/96
125 yds

6/15/96
50 yds

6/26/96
275 yds

6/27/96
150 yds

136+25 +50

137+0

138+0

139+0

140+0

141+0

142+0

143+0

144+0

145+0

146+0

147+0

148+0

Lodge

TAXI WAY

INTERSECTION OF
SCOTT HILL ROAD AND
AIRPORT ROAD

FINAL SURVEY
BY: T. MARCUM
SURVEYED
PLOTTED
NOTE BOOK
NO.
DATE: 7/19/78
AREAS CHECKED

ORIGINAL SURVEY
BY:
SURVEYED
PLOTTED
NOTE BOOK
NO.
DATE:
AREAS CHECKED

1700
17+00.86
17+50
STAND PIPE
100
6" UNDERDRAIN
52.8
50.9
55.0
53.1
54.3
54.2
52.4
47.6
40.2
REV POT 99+82.30=
SURV PT 99+79.40 (EQ 1.9')
REV PT 99+77.13
RAD TO
EDGE OF
TRAVEL WAY
RAD TO
PAVED
SHOULDER
19.1
1153.39
1154.83
1153.16
1155.0
1153.11
1155.10
99+50
94+50
6" UNDERDRAIN

HIGHWAY FEDERAL AID SHEET
PLATE 3-FULL CROSS SECTION-FULL LINE
NATIONAL PRINTFAST
PRINTED IN U.S.A.