STATE OF VERMONT
AGENCY OF TRANSPORTATION

PROPOSED IMPROVEMENT
TOWN OF RANDOLPH
COUNTY OF ORANGE
VT. RTE. 14 (F.A.S.)

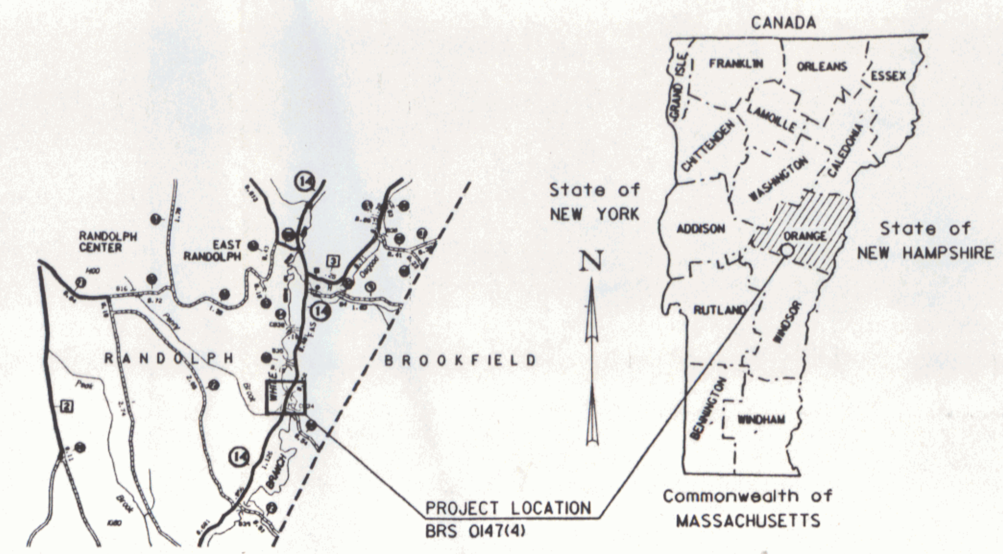
FUNCTIONAL CLASSIFICATION - MAJOR COLLECTOR

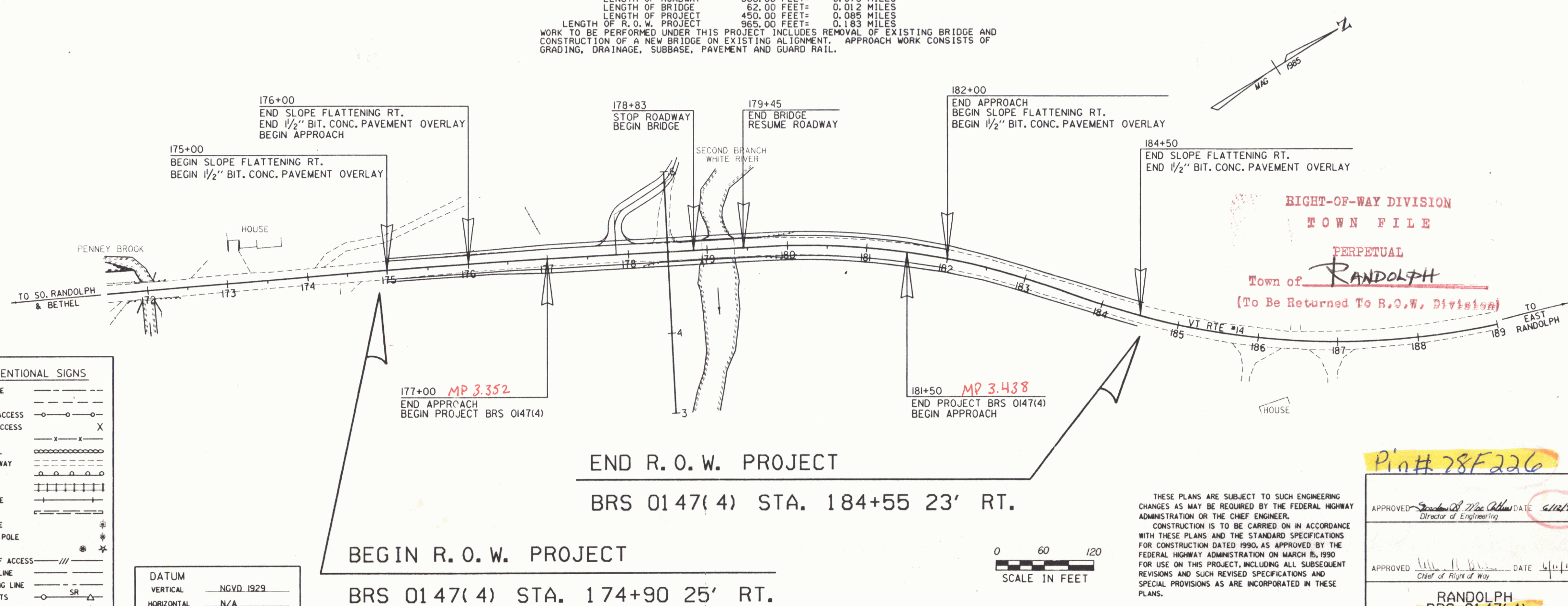
R.O.W. PLANS

BEGINNING AT A POINT ON VT. ROUTE 14 IN THE TOWN OF RANDOLPH 3.352 MILES NORTHERLY OF THE BETHEL-RANDOLPH TOWN LINE AND EXTENDING NORTHERLY 0.085 MILES.

LENGTH OF ROADWAY	388.00 FEET=	0.073 MILES
LENGTH OF BRIDGE	62.00 FEET=	0.012 MILES
LENGTH OF PROJECT	450.00 FEET=	0.085 MILES
LENGTH OF R.O.W. PROJECT	965.00 FEET=	0.183 MILES

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES REMOVAL OF EXISTING BRIDGE AND CONSTRUCTION OF A NEW BRIDGE ON EXISTING ALIGNMENT. APPROACH WORK CONSISTS OF GRADING, DRAINAGE, SUBBASE, PAVEMENT AND GUARD RAIL.





RIGHT-OF-WAY DIVISION
TOWN FILE
PERPETUAL
Town of RANDOLPH
(To Be Returned To R.O.W. Division)

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	N/A

0 60 120
SCALE IN FEET

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.

Pin# 28F226

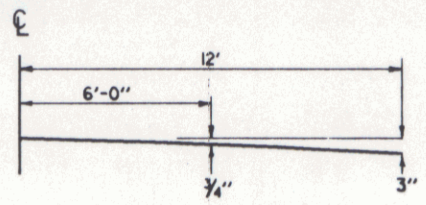
APPROVED [signature] DATE 6/12/92
Director of Engineering

APPROVED [signature] DATE 6/11/92
Chief of Right of Way

RANDOLPH
BRS 0147(4)
R.O.W. SHEET 1 OF 9 SHEETS

JUL 17 1996

TYPICAL SECTIONS



PARABOLIC DETAILS

MATERIAL ITEM	TOLERANCE
PAVEMENT (TOTAL DEPTH)	± 1/4"
SUBBASE	± 1/2"
SAND BORROW	± 1"

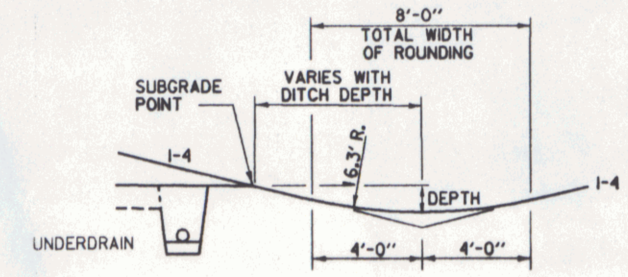
3 1/2" BITUMINOUS CONCRETE PAVEMENT (2 LIFTS - 1 1/2" TYPE III OVER 2" TYPE II)
3" BITUMINOUS CONCRETE PAVEMENT (1 LIFT - TYPE I)
SHOULDERS: 1 1/2" BITUMINOUS CONCRETE PAVEMENT (1 LIFT - TYPE III)

ALTERNATE A

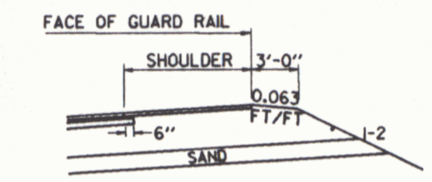
24" SUBBASE OF DENSE GRADED CRUSHED STONE
12" SAND BORROW

ALTERNATE B

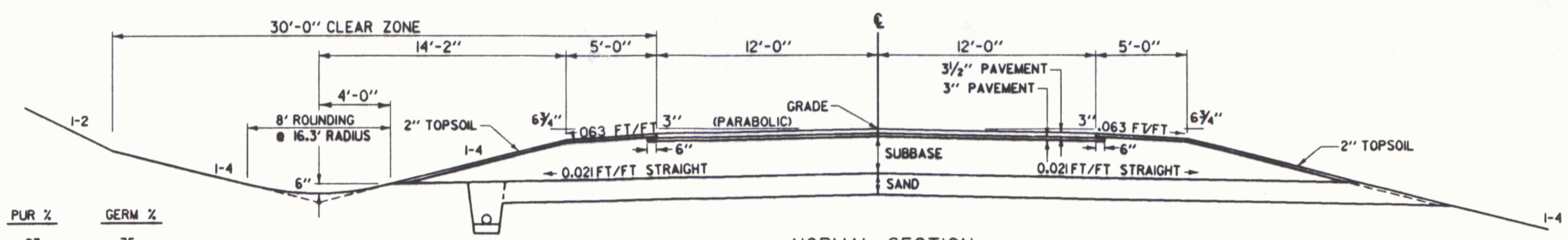
26" SUBBASE OF CRUSHED GRAVEL (COARSE GRADED)
10" SAND BORROW



TYPICAL DITCH DETAILS



DETAIL OF GUARD RAIL ON HIGH SIDE OF BANKED SECTION



NORMAL SECTION

SEEDING FORMULA
RURAL AREAS

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

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

SEED- TO BE APPLIED PER SEEDING FORMULA AS DIRECTED BY THE ENGINEER.

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.

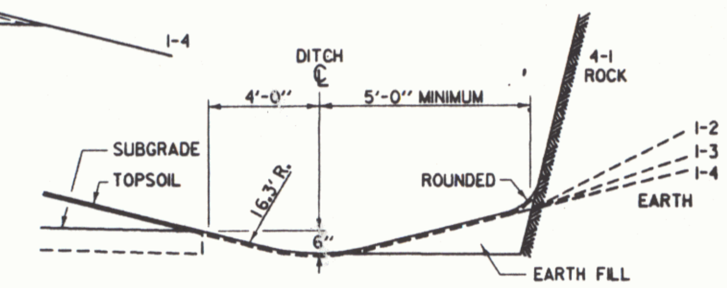
TOPSOIL- TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.

MARKER POSTS- TO BE PLACED AS DIRECTED BY THE ENGINEER.

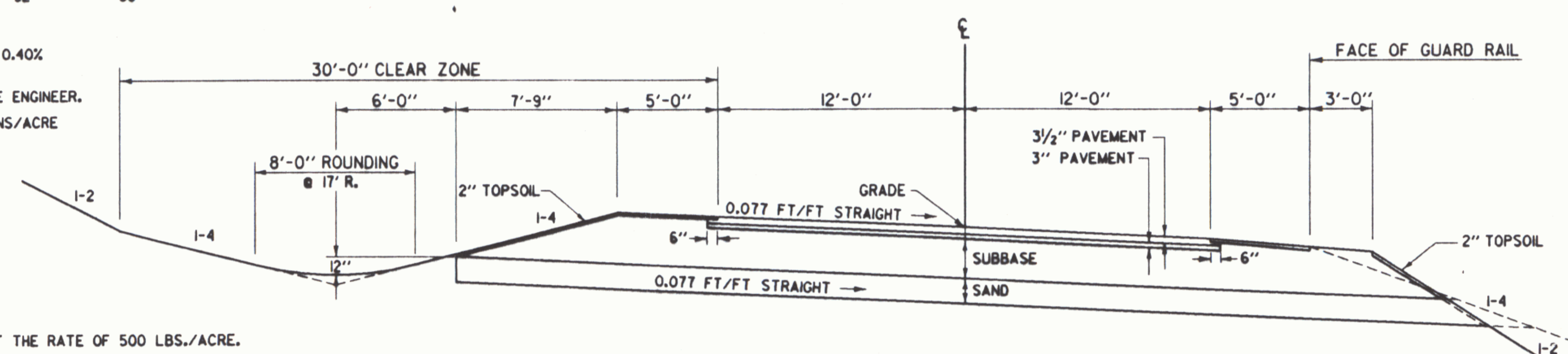
SLOPE ROUNDING- ALL CUT SLOPES TO BE ROUNDED IN ACCORDANCE WITH STANDARD SHEET B-5.

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

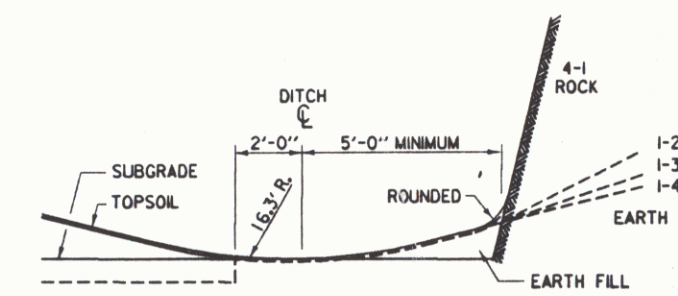
FERTILIZER- FORMULA 10-20-10 TO BE USED WITH SEED, APPLIED AT THE RATE OF 500 LBS./ACRE.



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



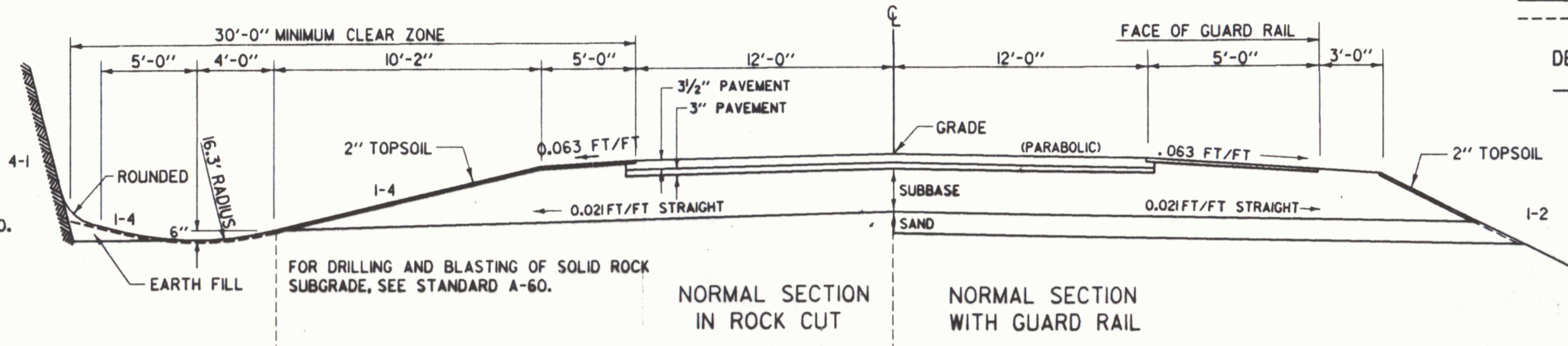
MAXIMUM BANKED SECTION 0.077 FT/FT



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

NOTE: DITCH DIMENSIONS ARE FOR ALTERNATE A. USE SAME DITCH OFFSETS FROM C/L WHEN CONSTRUCTING ALTERNATE B.

FOR SLOPES IN SOLID ROCK EXCAVATION, SEE STANDARD A-60.

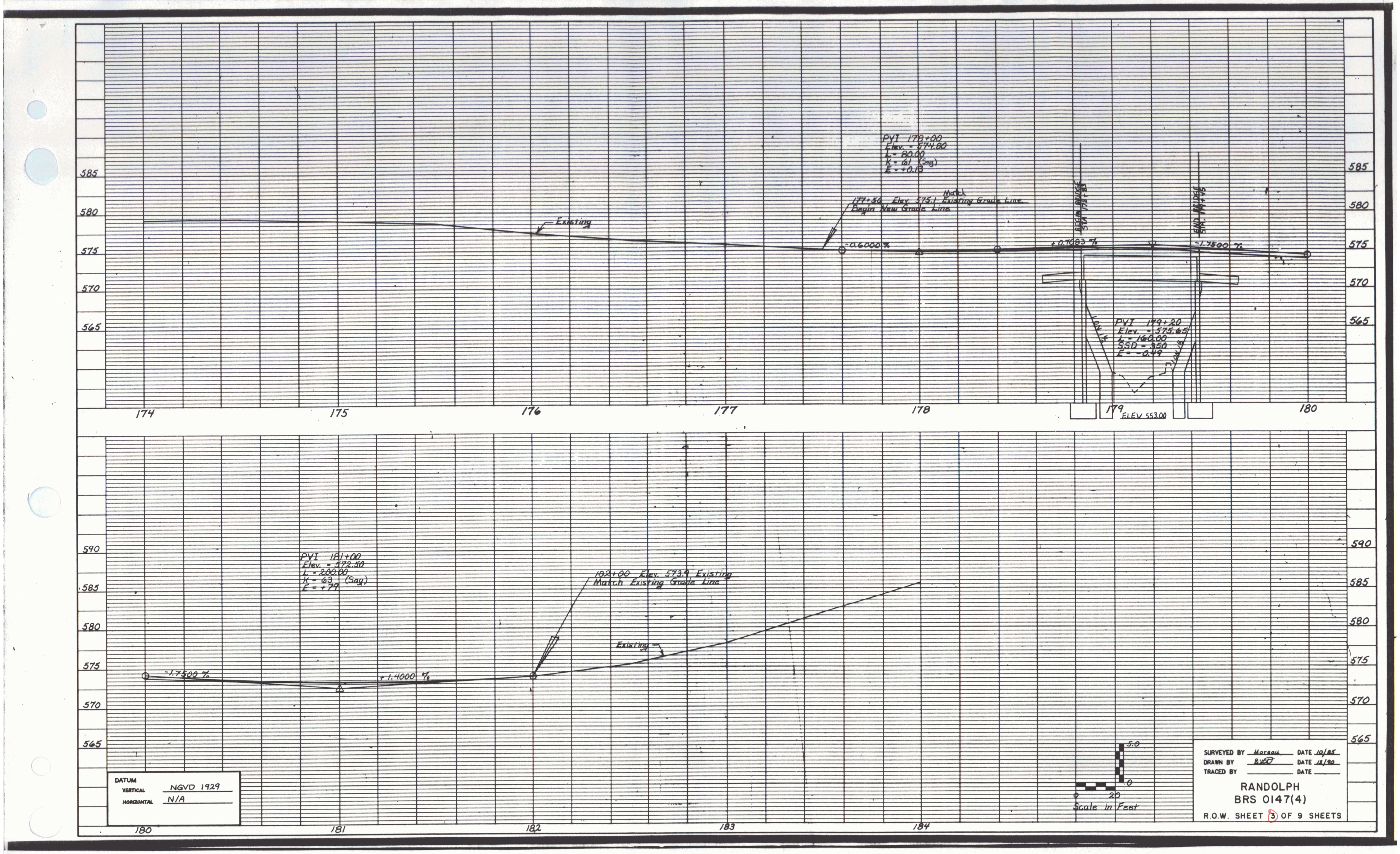


NORMAL SECTION IN ROCK CUT

NORMAL SECTION WITH GUARD RAIL

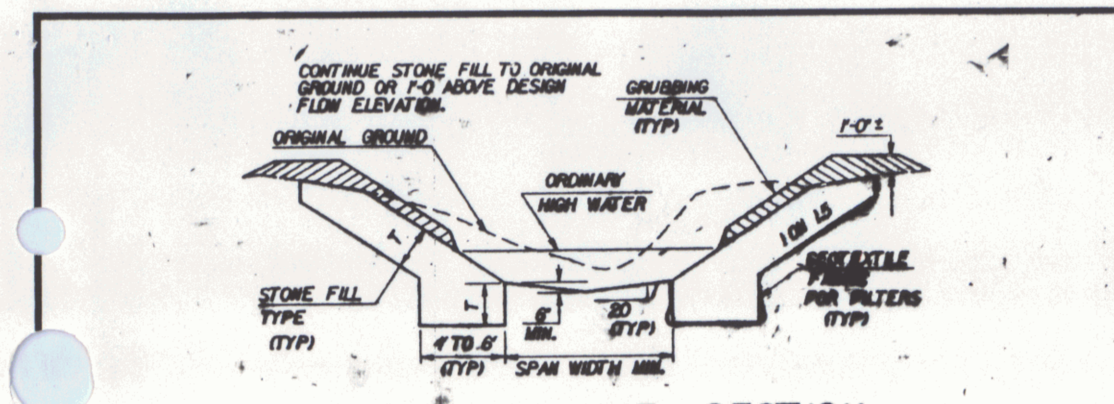
SURVEYED BY		DATE	
DRAWN BY	LASKOWSKI	DATE	5-90
SQUAD LEADER	J. PERKINS		
DESIGN FILE NO.	ZGO:[54,50]78F226.DGN		
PRF FILE	78F226TYP.PRF	DATE PLOTTED	10-MAR-1992

RANDOLPH
BRS 0147(4)

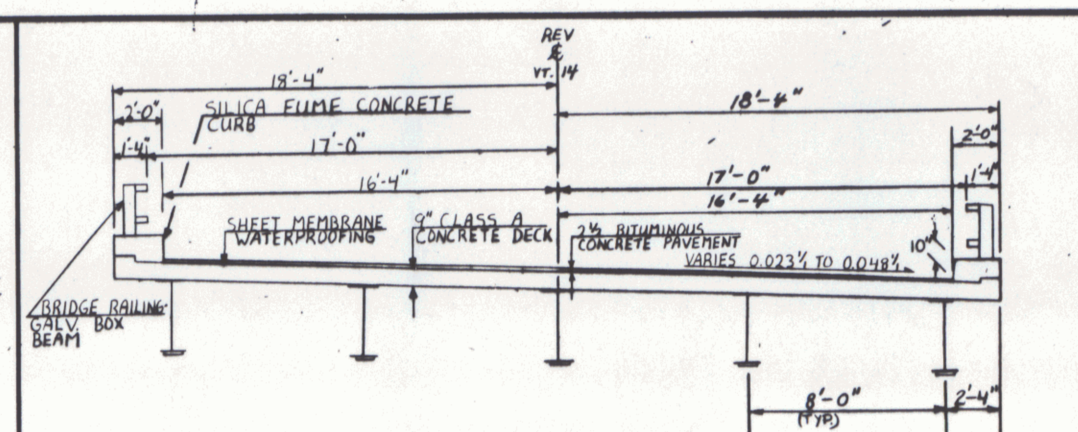


PVI 178+00
Elev. = 574.80
L = 80.00
K = 61 (Sag)
E = +0.13
177+56 Elev. 575.1 Match Existing Grade Line
Begin New Grade Line
Existing
-0.6000 %
+0.7083 %
-1.7500 %
BEGIN BRIDGE STA. 178+83
END BRIDGE STA. 179+45
PVI 179+20
Elev. = 575.65
L = 160.00
SSD = 350
E = -0.49
ELEV 553.00
174
175
176
177
178
179
180
585
580
575
570
565
PVI 181+00
Elev. = 572.50
L = 200.00
K = 63 (Sag)
E = +.79
182+00 Elev. 573.9 Existing
Match Existing Grade Line
Existing
-1.7500 %
+1.4000 %
590
181
182
183
184
DATUM
VERTICAL NGVD 1929
HORIZONTAL N/A
5.0
0
20
Scale in Feet
SURVEYED BY Moreau DATE 10/85
DRAWN BY DATE 12/90
TRACED BY DATE
RANDOLPH
BRS 0147(4)
R.O.W. SHEET 3 OF 9 SHEETS

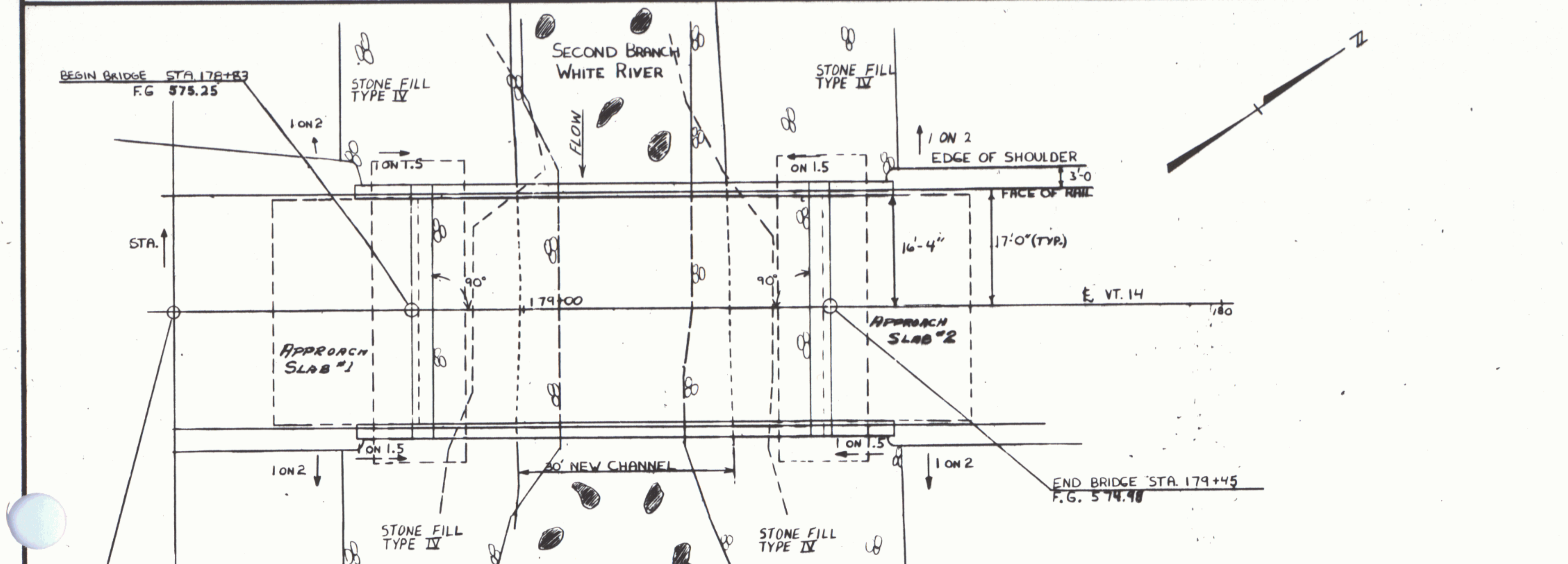
JUL 17 1996



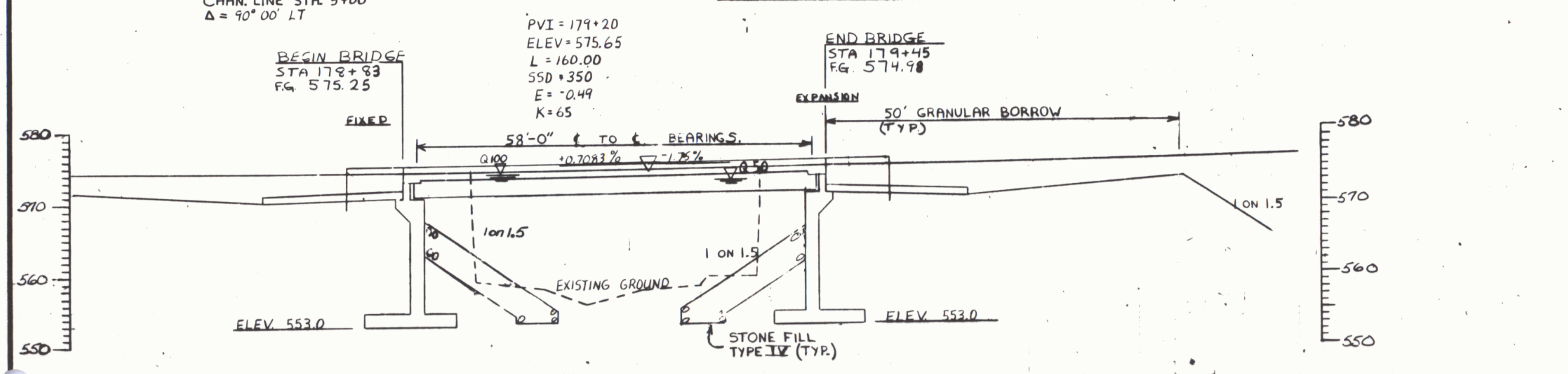
TYPICAL CHANNEL SECTION



BRIDGE TYPICAL SECTION
SCALE: ¼" = 1'-0"



PLAN
SCALE: 1" = 10'-0"



ELEVATION
SCALE: 1" = 10'-0"

EXISTING STRUCTURE

1. STRUCTURE TYPE SINGLE SPAN CONCRETE TEE BEAM BRIDGE OVERALL LENGTH 44 FT INVENTORY RATING H-15
2. SPAN LENGTH(S) CENTER TO CENTER OF BEARINGS
3. CLEAR SPAN LENGTH(S) NORMAL TO STREAM 40 FT
4. WATERWAY AREA OF FULL OPENING (NORMAL TO STREAM) 492 SQ FT VERTICAL CLEARANCE ABOVE STREAMBED 10 FT
5. WATER SURFACE ELEVATION @ Q 2.33 568.0 WATER SURFACE ELEVATION @ Q50 = 574.4
6. WATER SURFACE ELEVATION AT FLOOD OF RECORD 574.4 YEAR 1927 ESTIMATED DISCHARGE UNKNOWN
7. DOES ALL WATER PASS THROUGH EXISTING STRUCTURE? NO IF NOT, AT WHAT FREQUENCY AND ELEVATION DOES RELIEF OCCUR? ±Q 20 @ 573.2
   ADDITIONAL WATERWAY AREA PROVIDED BY RELIEF UNLIMITED
8. TYPE OF SUBSTRUCTURE FOUNDATION MATERIAL SANDY SILT
9. DISPOSITION OF STRUCTURE REMOVE EXISTING STRUCTURE

NEW STRUCTURE

STRUCTURE GEOMETRY:

1. STRUCTURE TYPE SINGLE SPAN STEEL BEAM BRIDGE OVERALL LENGTH 62.0 FT
2. SPAN LENGTH(S) CENTER TO CENTER OF BEARINGS 58.0 FT
3. VERTICAL CLEARANCE ABOVE STREAMBED OR ROAD UNDER 12 FT
4. CLEAR SPAN LENGTH(S) NORMAL TO STREAM 56 FT
5. WATERWAY AREA OF FULL OPENING (NORMAL TO STREAM) 523 SQ FT
6. ARE PROVISIONS TO BE MADE FOR PUBLIC UTILITIES? NO

HYDRAULIC DATA:

1. Q 2.33 1600 CFS WATER ELEVATION 567.4 VELOCITY 5.0 FPS
   Q 10 3200 CFS WATER ELEVATION 568.5 VELOCITY 9.1 FPS
   Q 25 4500 CFS WATER ELEVATION 570.9 VELOCITY 10.2 FPS
   Q 50 5800 CFS WATER ELEVATION 573.2 VELOCITY 12.9 FPS
   Q 100 7100 CFS WATER ELEVATION 574.1 VELOCITY 12.6 FPS
2. DRAINAGE AREA 46 SQ MILES CHARACTER OF TERRAIN ROLLING TO HILLY
3. ARE THERE OBJECTIONS TO A PIER IN THE STREAM? N/A
4. DOES STREAM REACH ITS MAXIMUM HIGH WATER ELEVATION RAPIDLY? NO IS ORDINARY RISE RAPID? NO
5. NATURE OF NATURAL STREAMBED SANDY SILT
6. ESTIMATED SCOUR DEPTH 7' RIGHT, 5' LEFT COMMENT ON: DRIFT SLIGHT ICE MODERATE
7. WILL ALL WATER PASS THROUGH NEW STRUCTURE? NO IF NOT, WHAT FREQUENCY AND ELEVATION WILL RELIEF OCCUR? ±Q 50 @ 573.2
   ADDITIONAL WATERWAY AREA PROVIDED BY RELIEF UNLIMITED
8. VERTICAL CLEARANCE ABOVE Q 25 = 0.1 FT
9. ALLOWABLE WATER SURFACE ELEVATION 571.0 LIMITED BY LOW STEEL BOTTOM OF BEAMS
10. IS DESIGN STAGE AFFECTED BY UPSTREAM OR DOWNSTREAM CONDITIONS? NO IF YES, DESCRIBE -
11. ORDINARY HIGH WATER 40 CFS DEPTH 1.0 FT ORDINARY WATER 900 CFS DEPTH 4.5 FT
12. STREAMBANK OR CHANNEL PROTECTION REQUIRED STONE FILL TYPE IV
13. DISTANCE TO EXISTING UPSTREAM STRUCTURE ~700 FT SPAN 26 FT WATERWAY AREA OF FULL OPENING 247 Q
14. DISTANCE TO EXISTING DOWNSTREAM STRUCTURE 1100 FT SPAN 37 FT WATERWAY AREA OF FULL OPENING 204 Q

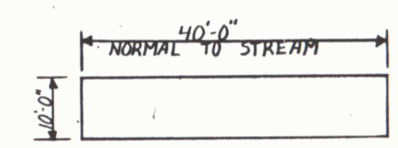
ALLOWABLE STRESSES:

1. DESIGN LIVE LOAD AASHTO HS 25-44
2. ALLOWABLE LOAD FOR SPREAD FOOTINGS ON SOIL 4.0 KSI ON LEDGE
3. ALLOWABLE LOAD FOR PILING TYPE ESTIMATED LENGTH
4. ALLOWABLE STRESS FOR STRUCTURAL STEEL AASHTO M270 GR.50 TENSION 27 KSI
5. ALLOWABLE STRESS FOR REINFORCING STEEL GRADE 60 TENSION 24 KSI COMPRESSION 20 KSI
6. ALLOWABLE STRESS FOR CONCRETE CLASS A f'_c 4.0 KSI f_c 1.4 KSI
   CLASS B f'_c 3.5 KSI f_c 1.4 KSI

TRAFFIC MAINTENANCE:

1. IS TRAFFIC TO BE MAINTAINED? YES IF YES, ON EXISTING STRUCTURE OR ON TEMPORARY BRIDGE
2. TEMPORARY BRIDGE REQUIREMENTS: ONE OR TWO WAY TRAFFIC CONTROL SIGNALS REQUIRED
   MINIMUM CLEAR SPAN MINIMUM CLEAR HEIGHT MINIMUM WATERWAY AREA
   ARE SIDEWALKS REQUIRED? IF SO, ON WHAT SIDE?

ADDITIONAL DESIGN CONSIDERATIONS



TEMPORARY BRIDGE CLEARANCES

LOAD RATING (TONS)

STRESS LEVELS	TRUCK H	HS	3S2	6 AXLE	3A. STR.	4A. STR.	5A. SEMI
INVENTORY 0.55 Fy =			X	X	X	X	X
POSTED 0.67 Fy =				X			
OPERATING 0.75 Fy =	X				X	X	X

RECOMMENDED FOR APPROVAL ____ STRUCTURES ENGINEER DATE

RECOMMENDED FOR APPROVAL ____ CHIEF OF DESIGN DATE

APPROVED BY ____ DIRECTOR OF ENGINEERING & CONSTRUCTION DATE

REVISIONS

NO.	DESCRIPTION	BY & DATE

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TOWN OF RANDOLPH — Bridge No. 34 — Log Sta. — Surv. Sta.

HIGHWAY NO. Vt. 14

Vt. 14 OVER SECOND BRANCH WHITE RIVER

PLAN, ELEVATION, INFORMATION SHEET

Designed by B. DONALD — Drawn by B. DONALD

RANDOLPH
BRS 0147(4)

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
1A	GIFFORD, EDSON E. JR. & ETHEL J.	7,8	176+00 RT. 174+90 RT. 175+07 RT. 176+88 RT. 178+31 RT.	179+12 RT. 179+12 RT. 177+36 RT. 179+12 RT. 178+50 RT.	0.13A±		CONST. (T) 0.10A± SLOPE (T) 0.09A± EASEMENT (T) 0.07A± SLOPE (T) 0.01A±	WD		RANDOLPH			3825 S.F.± DETOUR 3200 S.F.± 25 S.F.±
1B		7	175+90 LT. 175+63 LT. 175+78 LT. 176+73 LT.	176+94 LT. 176+85 LT. 176+90 LT. 176+87 LT.	0.03A±		CONST. (T) 0.04A± SLOPE (P) 0.04A±						1100 S.F.± 1525 S.F.± 1550 S.F.± FENCE
1C		7,8	174+90 LT.	179+12 CL.	0.42A±		ALL R. T. & I.						VT ROUTE 14
2A	FREDETTE, ERNEST & KERRI N.	7,8	176+90 LT. 176+81 LT. 176+85 LT. 177+81 LT. 177+95 LT. 177+96 LT. 178+20 LT.	179+23 LT. 177+65 LT. 177+49 LT. 178+65 LT. 178+56 LT. 178+20 LT.	0.13A±		CONST. (T) 0.02A± SLOPE (P) 0.03A± DRIVE (T) SLOPE (P) 0.01A± CULVERT (P) DRAINAGE (P)	OPTION	09-01-94	RANDOLPH	15	448-450	725 S.F.± 1125 S.F.± 16' GRAVEL M.P. 0337 575 S.F.±
2B		7,8	176+94 LT.	179+12 LT.	0.12A±		ALL R. T. & I.						VT ROUTE 14
3A	ARBO, MARSHALL A. & ELLALOU	8,9	179+08 LT. 179+08 LT. 180+20 LT. 183+01 LT. 183+13 LT.	182+00 LT. 181+84 LT. 181+43 LT. 184+38 LT. 184+22 LT.	0.11A±		CONST. (T) 0.06A± SLOPE (T) 0.01A± CONST. (T) 0.03A± DITCH (P) 0.03A±	WD	03-09-94	RANDOLPH	115	508-509	2700 S.F.± 550 S.F.± 1450 S.F.± 1475 S.F.±
3B		8,9	179+12 LT.	184+55 LT.	0.41A±		ALL R. T. & I.						VT ROUTE 14

REVISION NO.	SHEET	DESCRIPTION OF REVISION	DATE	MADE BY	APPROVED BY
1	8	PARCEL NO. 1 GIFFORD. ADD NOTE ABOUT BULLDOZER RENTAL AND THE STOCKPILING OF TOPSOIL. REMOVE TEXT REGARDING R.O.W. AGREEMENT. PER C.O. 8260 & 8233.	10-30-92	M.J.R.	L.W.B.
	8,9	PARCEL NO. 4 LAMBRACHT. ADD NOTE ABOUT BULLDOZER RENTAL AND THE STOCKPILING OF TOPSOIL. REMOVE TEXT REGARDING R.O.W. AGREEMENT. PER C.O. 8260 & 8233.	10-30-92	M.J.R.	L.W.B.
2	5,8	PARCEL NO. 2 FREDETTE. CHANGE BEGINNING STA. OF DRIVE (T) FROM 177+85 LT. TO 177+81 LT. PER C.O. 8293.	12-07-92	M.J.R.	L.W.B.
		MYLARS TO DESIGN 01-07-94			

03-3028 1805 78F226

ACCT.root
/prop/78f226/rf226d.dgn
DATE PLOTTED 17-JUL-1996
78f226dl.1

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
P L 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 L PROPERTY LINE
TOP OF CUT
TOE OF SLOPE

APPROVED: LAWRENCE BLISS: L.S. DATE: 06-12-92
AGENT D. PLANS & TITLES

R.O.W. PLANS

RANDOLPH
BRS 0147(4)

JUL 17 1996 5

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
4A	LAMBRACHT, RUDOLPH, SR. & LISELOTTE	8,9	179+12 RT.	182+50 RT.	0.10A±			WD	09-28-94	RANDOLPH	116	99-100	
			179+12 RT.	182+00 RT.			EASEMENT (T) 0.13A±						DETOUR
			179+12 RT.	184+55 RT.			CONST. (T) 0.12A±						5750 S.F.±
			181+74 RT.	184+17 RT.			SLOPE (T) 0.09A±						3775 S.F.±
			182+95 RT.	183+07 RT.			DITCH & DRAINAGE (P)						
			182+99 RT.	183+09 RT.			CULVERT (P)						
4B		8,9	179+12 RT.	184+55 RT.	0.34A±		ALL R. T. & I.						VT ROUTE 14
5	CENTRAL VERMONT PUBLIC SERVICE CORP.												UTILITY
6	NEW ENGLAND TELEPHONE COMPANY												UTILITY

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

03-3028 1805 78F226

ACCT.root
/prop/78f226/rf226d.dgn
DATE PLOTTED 17-JUL-1996
78f226d2.I

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

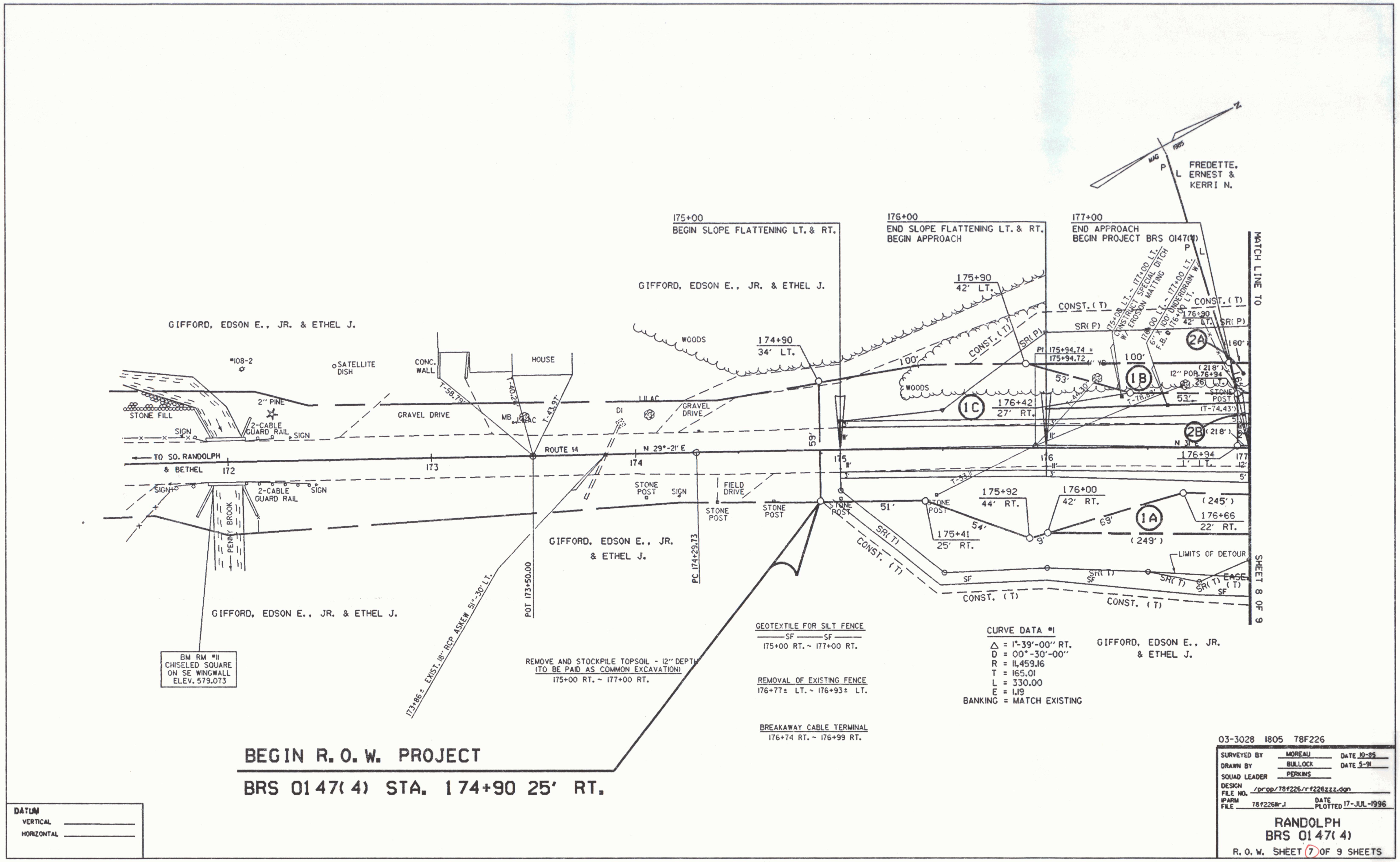
PRESENT R.O.W.
TAKING WITHOUT ACCESS
P L TAKING WITHOUT ACCESS ALONG PROPERTY LINE
TAKING WITH ACCESS
(P) PERMANENT EASEMENT
(T) TEMPORARY EASEMENT

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

APPROVED: LAWRENCE BLISS, L.S. DATE: 06-12-92
AGENT D. PLANS & TITLES

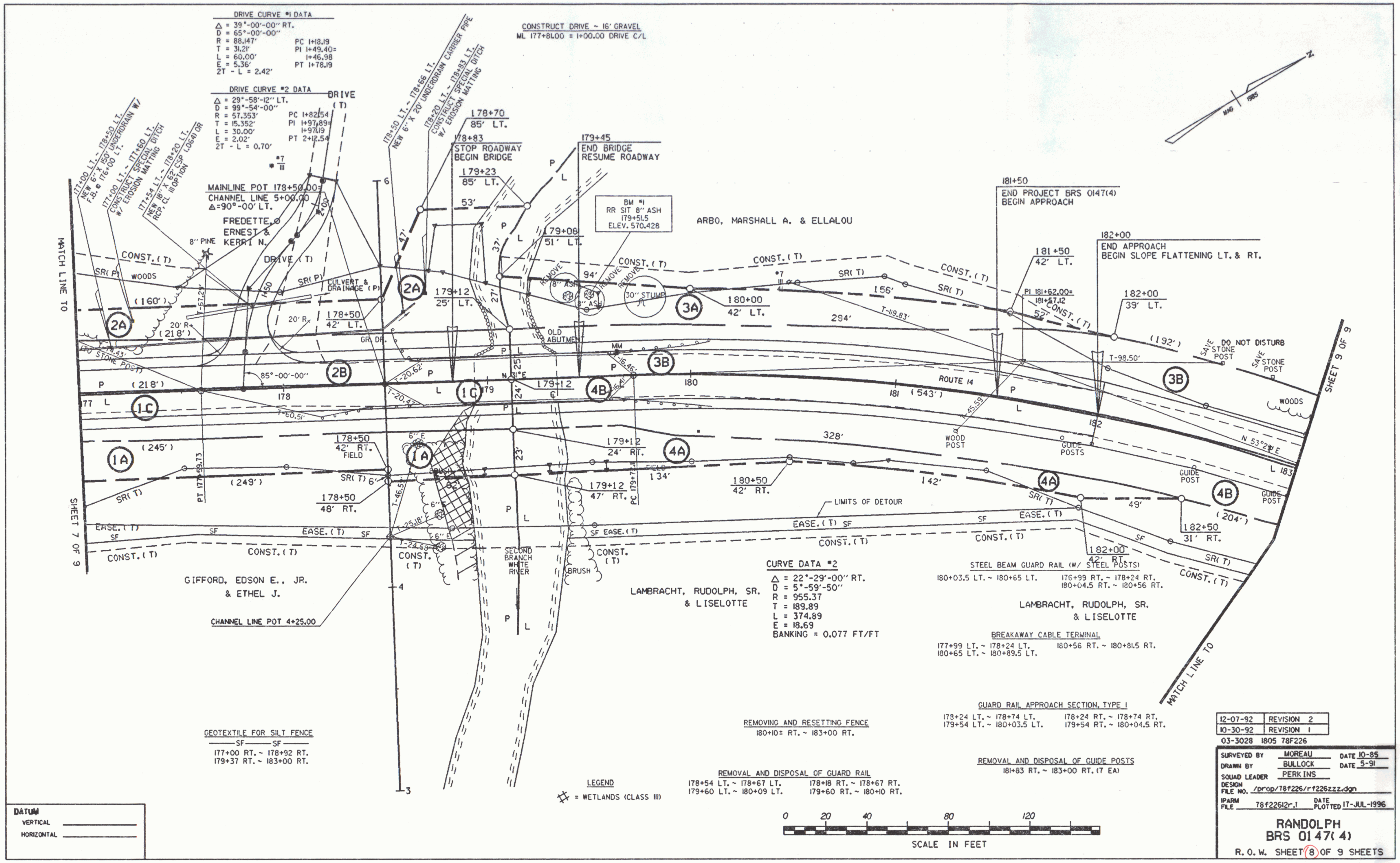
R. O. W. PLANS
RANDOLPH
BRS 0147(4)
SHEET 6 OF 9

JUL 17 1996 6

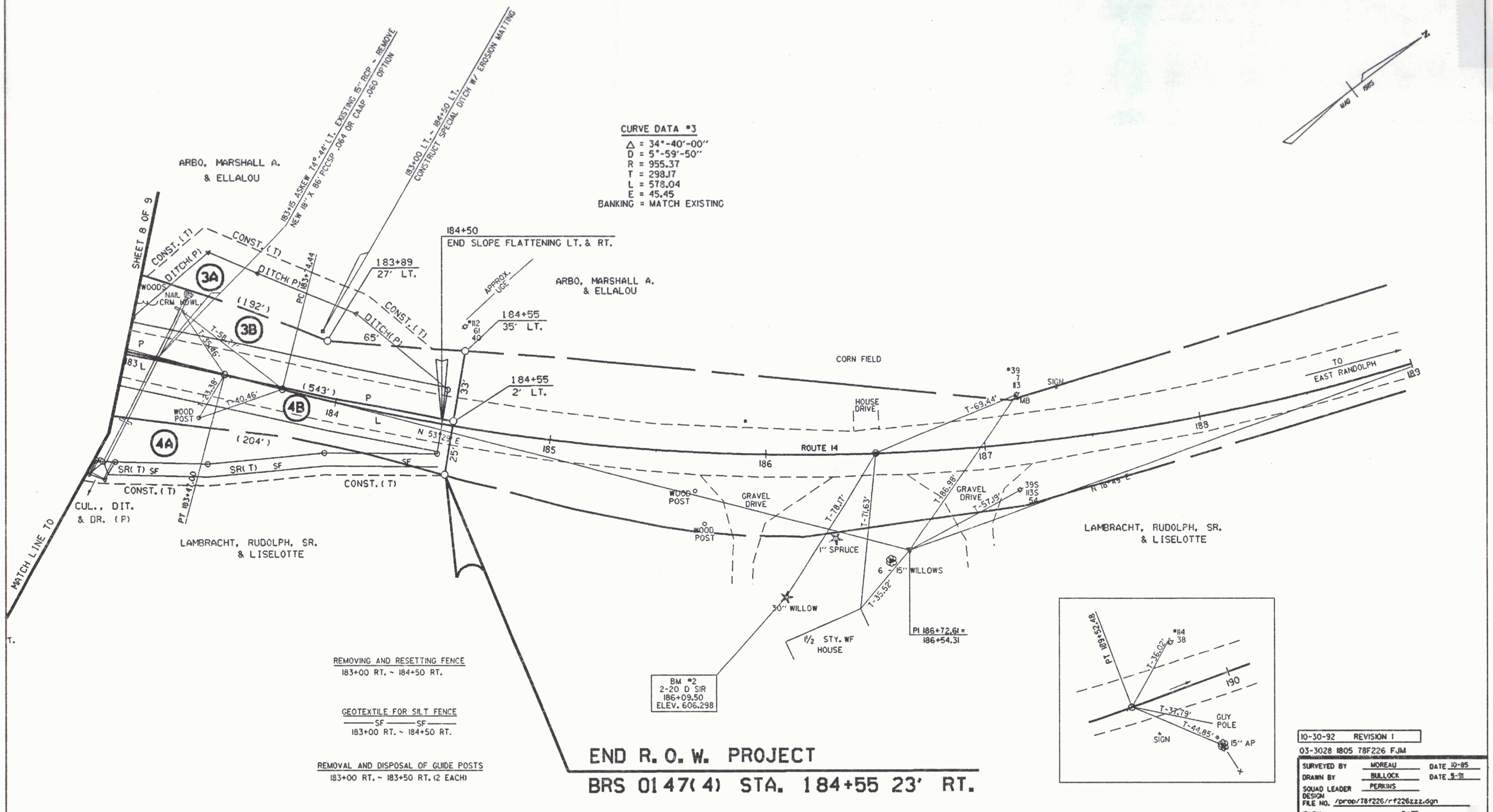


FREDETTE, ERNEST & KERRI N.
175+00
BEGIN SLOPE FLATTENING LT. & RT.
176+00
END SLOPE FLATTENING LT. & RT.
BEGIN APPROACH
177+00
END APPROACH
BEGIN PROJECT BRS 0147(4)
MATCH LINE TO SHEET 8 OF 9
GIFFORD, EDSON E., JR. & ETHEL J.
GIFFORD, EDSON E., JR. & ETHEL J.
WOODS
174+90
34' LT.
175+90
42' LT.
176+90
42' LT.
CONST. (T)
SR(P)
176+42
27' RT.
176+94
1' LT.
STONE FILL
2" PINE
2-CABLE GUARD RAIL
SIGN
SATELLITE DISH
CONC. WALL
HOUSE
GRAVEL DRIVE
LILAC
TO SO. RANDOLPH & BETHEL
ROUTE 14
N 29°-21' E
172
173
174
175
176
177
2-CABLE GUARD RAIL
PENNY BROOK
STONE POST
FIELD DRIVE
175+92
44' RT.
176+00
42' RT.
175+41
25' RT.
176+66
22' RT.
LIMITS OF DETOUR
SR(T)
CONST. (T)
SF
EASE. (T)
GIFFORD, EDSON E., JR. & ETHEL J.
GIFFORD, EDSON E., JR. & ETHEL J.
POT 173+50.00
PC 174+29.73
173+86± EXIST. 18" RCP ASKEW 51°-30' LT.
BM RM #11
CHISELED SQUARE
ON SE WINGWALL
ELEV. 579.073
REMOVE AND STOCKPILE TOPSOIL - 12" DEPTH
(TO BE PAID AS COMMON EXCAVATION)
175+00 RT. ~ 177+00 RT.
GEOTEXTILE FOR SILT FENCE
—SF—SF—
175+00 RT. ~ 177+00 RT.
REMOVAL OF EXISTING FENCE
176+77± LT. ~ 176+93± LT.
BREAKAWAY CABLE TERMINAL
176+74 RT. ~ 176+99 RT.
CURVE DATA #1
Δ = 1°-39'-00" RT.
D = 00°-30'-00"
R = 11,459.16
T = 165.01
L = 330.00
E = 1.19
BANKING = MATCH EXISTING
BEGIN R.O.W. PROJECT
BRS 0147(4) STA. 174+90 25' RT.
DATUM
VERTICAL
HORIZONTAL
03-3028 1805 78F226
SURVEYED BY MOREAU DATE 10-85
DRAWN BY BULLOCK DATE 5-91
SQUAD LEADER PERKINS
DESIGN FILE NO. /prop/78f226/rf226zzz.dgn
IPARM FILE 78f226#r.l DATE PLOTTED 17-JUL-1996
RANDOLPH
BRS 0147(4)
R.O.W. SHEET 7 OF 9 SHEETS

JUL 17 1996 7


DRIVE CURVE #1 DATA
Δ = 39°-00'-00" RT.
D = 65°-00'-00"
R = 88.147'
T = 31.21'
L = 60.00'
E = 5.36'
2T - L = 2.42'
PC 1+18.19
PI 1+49.40±
1+46.98
PT 1+78.19
DRIVE CURVE #2 DATA
Δ = 29°-58'-12" LT.
D = 99°-54'-00"
R = 57.353'
T = 15.352'
L = 30.00'
E = 2.02'
2T - L = 0.70'
PC 1+82.54
PI 1+97.89±
1+97.19
PT 2+12.54
CONSTRUCT DRIVE ~ 16' GRAVEL
ML 177+81.00 = 1+00.00 DRIVE C/L
MAINLINE POT 178+50.00±
CHANNEL LINE 5+00.00
Δ=90°-00' LT.
FREDETTE, ERNEST & KERRI N.
178+70
85' LT.
178+83
STOP ROADWAY
BEGIN BRIDGE
179+23
85' LT.
179+45
END BRIDGE
RESUME ROADWAY
BM #1
RR SIT 8" ASH
179+51.5
ELEV. 570.428
ARBO, MARSHALL A. & ELLALOU
181+50
END PROJECT BRS 0147(4)
BEGIN APPROACH
182+00
END APPROACH
BEGIN SLOPE FLATTENING LT. & RT.
MATCH LINE TO SHEET 7 OF 9
MATCH LINE TO SHEET 9 OF 9
ROUTE 14
GIFFORD, EDSON E., JR. & ETHEL J.
LAMBRACHT, RUDOLPH, SR. & LISELOTTE
SECOND BRANCH WHITE RIVER
CHANNEL LINE POT 4+25.00
LIMITS OF DETOUR
CURVE DATA #2
Δ = 22°-29'-00" RT.
D = 5°-59'-50"
R = 955.37
T = 189.89
L = 374.89
E = 18.69
BANKING = 0.077 FT/FT
STEEL BEAM GUARD RAIL (W/ STEEL POSTS)
180+03.5 LT. ~ 180+65 LT.
176+99 RT. ~ 178+24 RT.
180+04.5 RT. ~ 180+56 RT.
BREAKAWAY CABLE TERMINAL
177+99 LT. ~ 178+24 LT.
180+65 LT. ~ 180+89.5 LT.
180+56 RT. ~ 180+81.5 RT.
GUARD RAIL APPROACH SECTION, TYPE I
178+24 LT. ~ 178+74 LT.
179+54 LT. ~ 180+03.5 LT.
178+24 RT. ~ 178+74 RT.
179+54 RT. ~ 180+04.5 RT.
REMOVAL AND DISPOSAL OF GUIDE POSTS
181+83 RT. ~ 183+00 RT. (7 EA)
REMOVING AND RESETTING FENCE
180+10± RT. ~ 183+00 RT.
REMOVAL AND DISPOSAL OF GUARD RAIL
178+54 LT. ~ 178+67 LT.
179+60 LT. ~ 180+09 LT.
178+18 RT. ~ 178+67 RT.
179+60 RT. ~ 180+10 RT.
GEOTEXTILE FOR SILT FENCE
—SF— —SF—
177+00 RT. ~ 178+92 RT.
179+37 RT. ~ 183+00 RT.
LEGEND
= WETLANDS (CLASS III)
DATUM
VERTICAL
HORIZONTAL
0 20 40 80 120
SCALE IN FEET
12-07-92 REVISION 2
10-30-92 REVISION 1
03-3028 1805 78F226
SURVEYED BY MOREAU DATE 10-85
DRAWN BY BULLOCK DATE 5-91
SQUAD LEADER PERKINS
DESIGN FILE NO. /prop/78f226/rf226zzz.dgn
IPARM FILE 78f22612r.1
DATE PLOTTED 17-JUL-1996
RANDOLPH
BRS 0147(4)
R.O.W. SHEET 8 OF 9 SHEETS

JUL 17 1996 8



REMOVING AND RESETTING FENCE
183+00 RT. ~ 184+50 RT.

GEOTEXTILE FOR SILT FENCE
——SF——SF——
183+00 RT. ~ 184+50 RT.

REMOVAL AND DISPOSAL OF GUIDE POSTS
183+00 RT. ~ 183+50 RT. (2 EACH)

DATUM
VERTICAL ______
HORIZONTAL ______

10-30-92 REVISION 1
03-3028 1805 78F226 FJM

SURVEYED BY	MOREAU	DATE	10-85
DRAWN BY	BULLOCK	DATE	5-91
SQUAD LEADER	PERKINS		
DESIGN FILE NO.	/prop/78f226/rf226zzz.dgn		
IPARM FILE	78f226l3r.l	DATE PLOTTED	17-JUL-1996

RANDOLPH
BRS 0147(4)
R. O. W. SHEET 9 OF 9 SHEETS

JUL 17 1996 9