

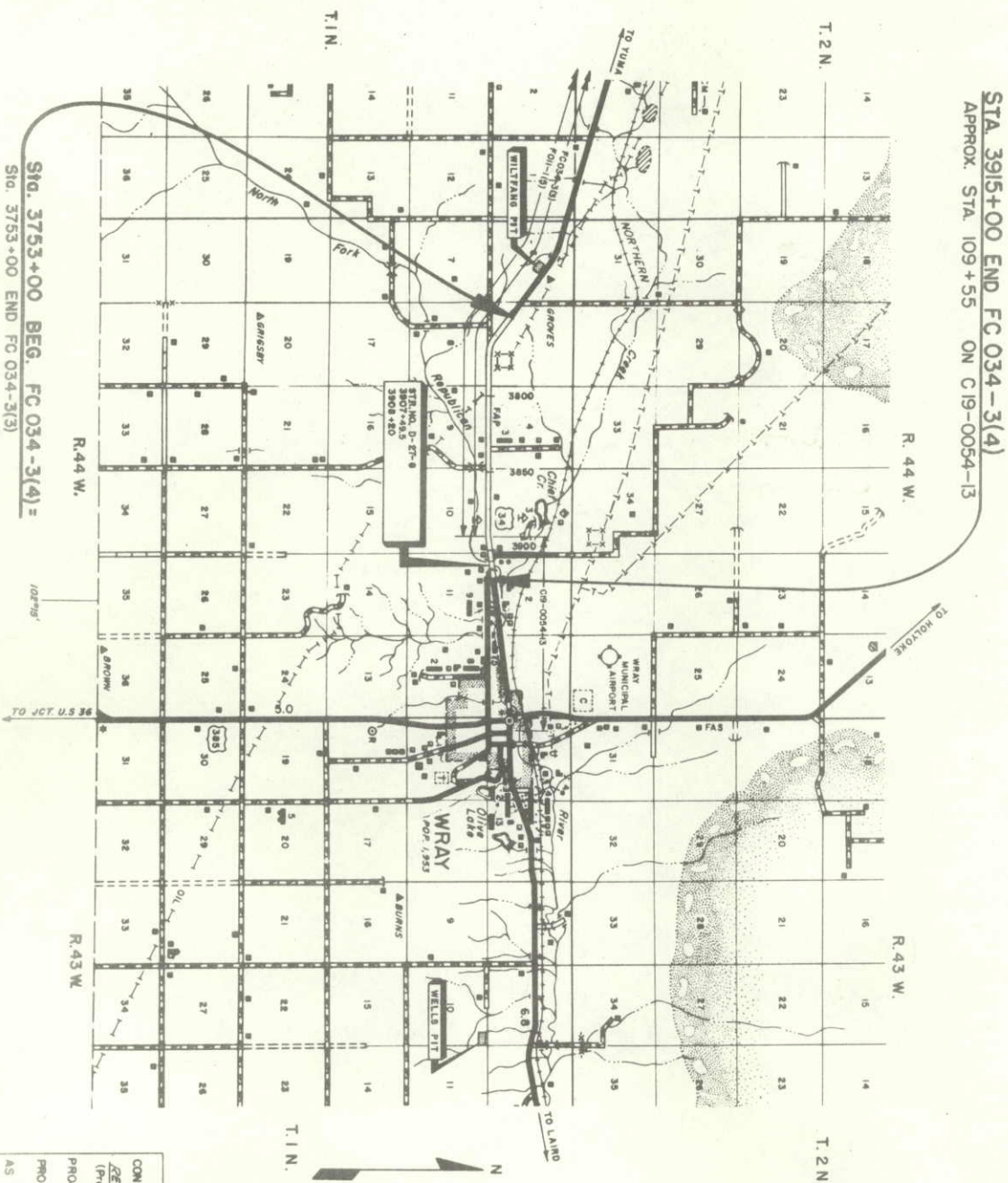
STATE DEPARTMENT OF HIGHWAYS
DIVISION OF HIGHWAYS—STATE OF COLORADO

PLAN AND PROFILE ~~PROPOSED~~ AS CONSTRUCTED
FEDERAL AID PROJECT NO. FC 034 -3(4)
STATE HIGHWAY NO. 34
YUMA COUNTY

TABULATION OF LENGTH & DESIGN DATA

STATION	ROADWAY	MAJOR STR.
	LN. FT.	LN. FT.
STA. 3753+00 BEG. FC 034-3(4) = STA. 3753+00 END FC 034-3(3)	2,398.4	
STA. 3776+98.4 Bk. = } EQUATION STA. 3777+05.9 Aft. }	1,626.5	
STA. 3793+32.4 Bk. = } EQUATION STA. 3793+32.6 Aft. }	1,167.5	
STA. 3805+00.1 Bk. = } EQUATION STA. 3804+99.9 Aft. }	9,471.9	
STA. 3899+71.8 Bk. = } EQUATION STA. 3899+72.4 Aft. }	777.1	
STA. 3907+49.5 } BRIDGE WIDENING STA. 3908+200 }	680.0	70.5
STA. 3915+00 END FC 034-3(4) APPROX. STA. 109+55 ON C19-0054-13		
TOTAL	16,121.4	70.5
SUMMARY	LN. FT.	MILES
TOTAL-ROADWAY	16,121.4	3.054
TOTAL-BRIDGE WIDENING	70.5	0.013
PROJECT TOTAL (NET & GROSS LENGTH)	16,191.9	3.067
DESIGN DATA		
MAXIMUM DEGREE OF CURVE		3°00'
MAXIMUM GRADE		3.75%
MINIMUM S.S.D. - HORIZONTAL		> 900'
MINIMUM S.S.D. - VERTICAL		605'
MAXIMUM DESIGN SPEED		70 M.P.H.
1998 DESIGN TRAFFIC VOLUME	{ 3500 ADT. 460 DHV }	

ON PLAN, 1" = 100 FT.
ON PROFILE 1" = 100 FT. HORIZONTAL
1" = 10 FT. VERTICAL



AS CONSTRUCTED PLANS
RETURN TO DIST. 4 DESIGN

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	SKETCH MAP, TITLE PAGE AND TABULATION OF LENGTH AND DESIGN DATA
2 - 3	TYPICAL SECTIONS, GENERAL NOTES AND SCHEDULE OF PROPOSED CONSTRUCTION TRAFFIC SIGNS
4 - 5	SUMMARY OF APPROXIMATE QUANTITIES
6	TABULATION OF GUARD RAIL AND SUMMARY OF EARTHWORK QUANTITIES
7	FENCING REQUIREMENTS AND TABULATION OF DELINEATORS
8	BASE COURSE AND SURFACE COURSE PLAN
9 - 10	PIT SKETCHES
11 - 12	STRUCTURE QUANTITIES
13 - 20	DETAILS OF BRIDGE WIDENING - STRUCTURE NO. D-27-6 (5 SHEETS)
21 - 25	DETAILS OF GUARD RAIL, TYPE 3
26 - 31	ALIGNMENT PLAN AND PROFILE
32 - 34	BORROW WITHDRAWAL
35	STEEPING WITHDRAWAL
36	COUNTY ROAD (Sta. 3760)
37-40	TYPICAL X-SECTIONS

AS CONSTRUCTED

NO REVISIONS ☐ REVISED 9-18-78 VOD ☐

RE: QUOTED TO PROJ. NO. FC 034-3(4)
UTILITIES QUOTED TO PROJ. NO. FC 034-3(4) & FC 034-3(3)
M&M: PURCHASED UNDER PROJ. NO. FC 034-3(3)

FEDERAL ROAD DIST. NO.	PROJECT NO.	SHEET NO.
YUMA	FC 034-3(4)	1

AS CONSTRUCTED INFORMATION

CONTRACTOR *Goodell Brothers Inc.*
RESIDENT ENGINEER *L.J. VanHulst*
(Project or Resident)
PROJECT STARTED *May 1, 1978*
PROJECT COMPLETED *September 10, 1978*
AS CONSTRUCTED PLANS APPROVED *[Signature]*
DATE *Oct 27, 1978*

The following sheets have no revisions: 13-25, 26, 29

S-612-1A	TYPICAL DELINEATOR INSTALLATIONS (4 SHEETS)	10-28-77
S-614-39A	TRAFFIC SIGNING FOR HIGHWAY CONSTRUCTION (4 SHEETS)	5-17-77
S-614-52A	BARRICADES, DRUMS AND VERTICAL PANEL CHANNELIZING DEVICES	12-4-74

"S" STANDARDS

M-607-A	WIRE FENCE AND GATES (2 SHEETS)	10-15-75
M-707-CB	TYPICAL ALTERNATE COUPLING BANDS FOR CORRUGATED CULVERT PIPE	1-25-78

"N" STANDARDS

M-100-A	STANDARD SYMBOLS	5-11-73
M-203-B	APPROACH ROADS, FLARING, CUT SLOPE TREATMENT, BRIDGE AND CREST WIDENING	12-11-72
M-203-C	DITCH TYPES	7-23-68
M-203-SC	SUPERELEVATION OF CURVES - CROWNED HIGHWAYS	1-6-77
M-206-AB	EXCAVATION AND BACKFILL FOR STRUCTURES (3 SHEETS)	4-16-76
M-500-A	LETTERS AND FIGURES FOR STRUCTURE NUMBERS	3-28-75
M-603-CA	CONCRETE AND METAL END SECTIONS	8-29-77
M-603-MA	METAL CULVERT PIPE - H-20 LOADING	8-20-75
M-603-RC	REINFORCED CONCRETE PIPE	7-13-76

DIVISION OF HIGHWAYS

APPROVED: *[Signature]* 3-7-78
CHIEF ENGINEER

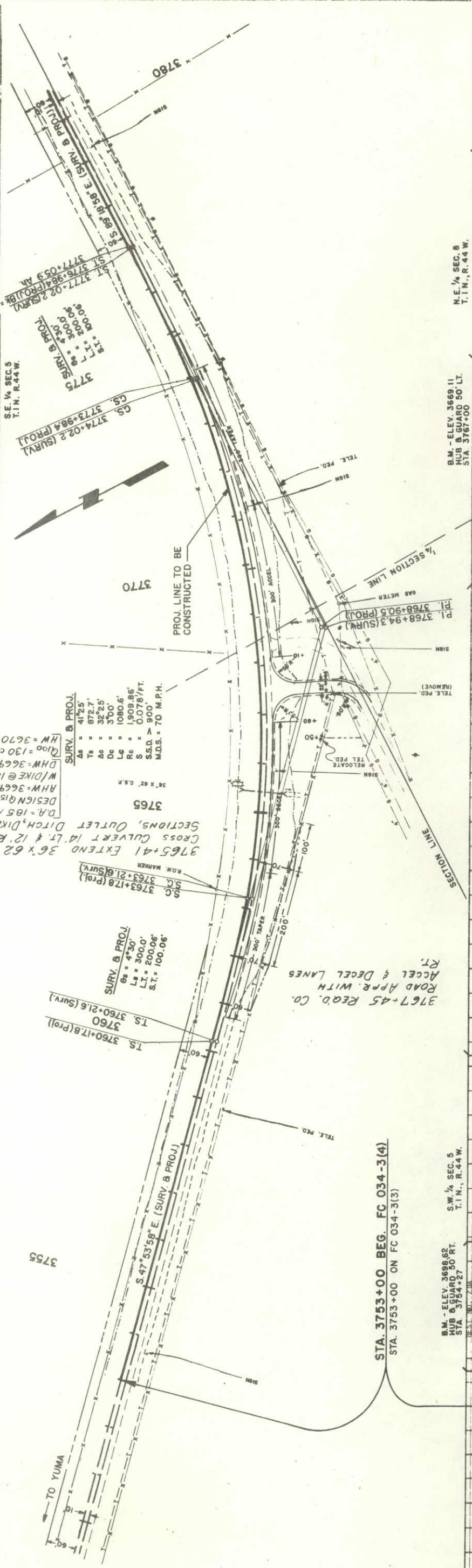
DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
APPROVED: _____
DIVISION ADMINISTRATOR

SW 1/4 SEC. 5
T.1N., R.44 W.

DA = 185 AC
DESIGN Q₁₅ = 60 cfs
AHW = 3669.0
W/DIKE @ INLET
Q₁₀₀ = 130 cfs
HW = 3670.0

SE 1/4 SEC. 5
T.1N., R.44 W.

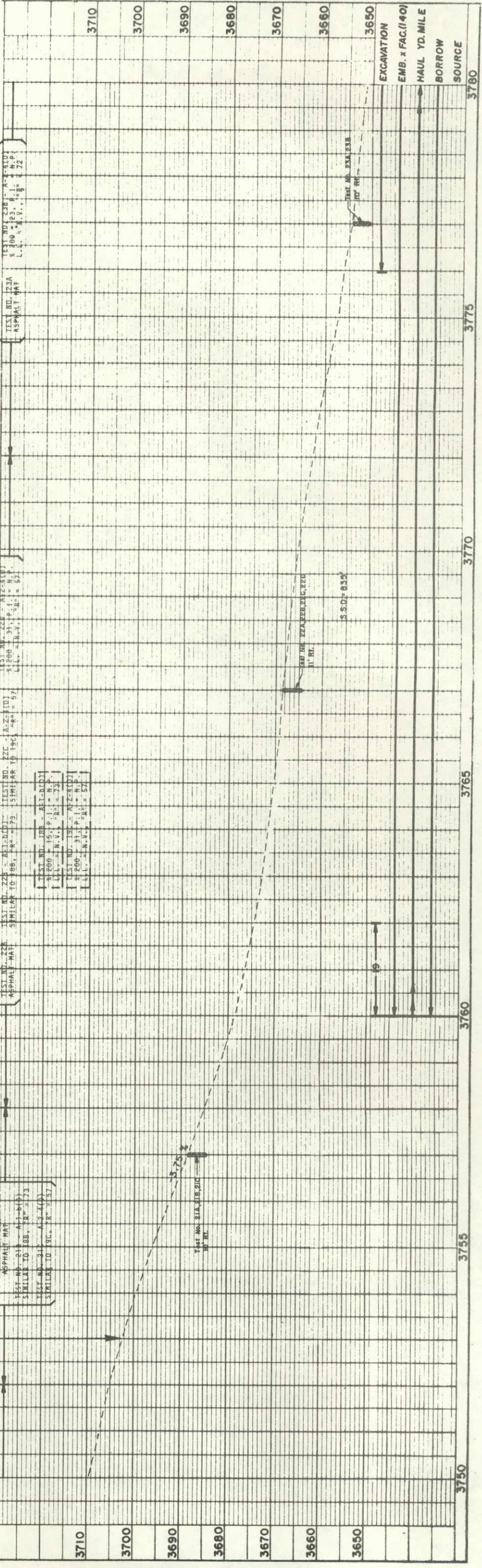
NO REVISIONS	9-18-78	REVISED	VOID
FEDERAL ROAD DISTRICT NO.	XIII		
PROJECT NO.	FC 034-3(4)		
DIVISION	COLORADO		
SHEET NO.	26		
SHEET TOTAL	40		



STA. 3753+00 BEG. FC 034-3(4)
STA. 3753+00 ON FC 034-3(3)

B.M. - ELEV. 3698.62
HUB & GUARD 50' RT.
STA. 3754+27
S.W. 1/4 SEC. 5
T.1N., R.44 W.

B.M. - ELEV. 3669.11
HUB & GUARD 50' LT.
STA. 3767+00
N.E. 1/4 SEC. 8
T.1N., R.44 W.



TEST NO. 218
ASPHALT MAT
SIMILAR TO 188, R = 73
TEST NO. 219
SIMILAR TO 191, R = 57

TEST NO. 220
ASPHALT MAT
SIMILAR TO 188, R = 73
TEST NO. 221
SIMILAR TO 191, R = 57

TEST NO. 222
ASPHALT MAT
SIMILAR TO 188, R = 73
TEST NO. 223
SIMILAR TO 191, R = 57

TEST NO. 224
ASPHALT MAT
SIMILAR TO 188, R = 73
TEST NO. 225
SIMILAR TO 191, R = 57

TEST NO. 226
ASPHALT MAT
SIMILAR TO 188, R = 73
TEST NO. 227
SIMILAR TO 191, R = 57

TEST NO. 228
ASPHALT MAT
SIMILAR TO 188, R = 73
TEST NO. 229
SIMILAR TO 191, R = 57

TEST NO. 230
ASPHALT MAT
SIMILAR TO 188, R = 73
TEST NO. 231
SIMILAR TO 191, R = 57

TEST NO. 232
ASPHALT MAT
SIMILAR TO 188, R = 73
TEST NO. 233
SIMILAR TO 191, R = 57

TEST NO. 234
ASPHALT MAT
SIMILAR TO 188, R = 73
TEST NO. 235
SIMILAR TO 191, R = 57

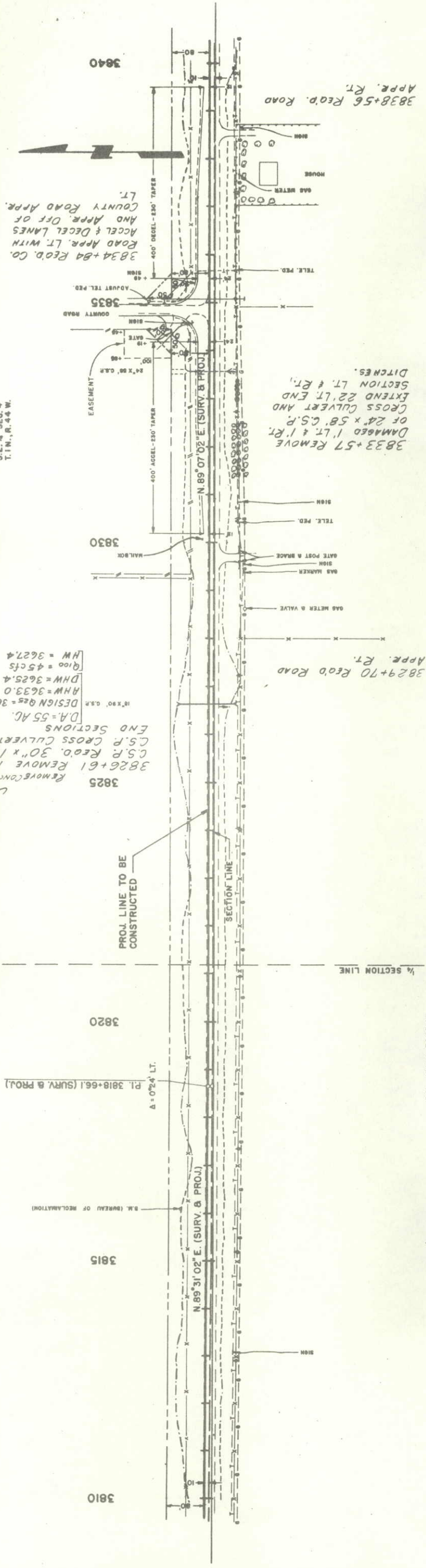
TEST NO. 236
ASPHALT MAT
SIMILAR TO 188, R = 73
TEST NO. 237
SIMILAR TO 191, R = 57

TEST NO. 238
ASPHALT MAT
SIMILAR TO 188, R = 73
TEST NO. 239
SIMILAR TO 191, R = 57

TEST NO. 240
ASPHALT MAT
SIMILAR TO 188, R = 73
TEST NO. 241
SIMILAR TO 191, R = 57

PLAN	BY	DATE
NOTE BOOK	BY	DATE
REVISIONS	BY	DATE

PROFILE	BY	DATE
NOTE BOOK	BY	DATE
REVISIONS	BY	DATE



B.M. - ELEV. 3626.92
 NAIL IN POWER POLE 50' RT.
 STA. 3835+00

N.E. 1/4 SEC. 9
 T. 1 N., R. 44 W.

B.M. - ELEV. 3643.23
 HUB & GUARD 50' RT.
 STA. 3820+00

N.W. 1/4 SEC. 9
 T. 1 N., R. 44 W.

S.E. 1/4 SEC. 4
T.1N., R.44W.

3848+20 ROAD CO. ROAD
APPR. RT. WITH ACCEL. &
DECEL. LANES.

3853+00 ROAD 18"
31" SIDE DRAIN WITH
END SECTIONS AND
ROAD APPR. LT.

3863+ TO 3864+ ROAD
IRREG. DITCH CHANGE LT.

3865+64 ROAD ROAD
APPR. LT.

3848+15.6 (SURV)
S. 1° 55' E.

N.E. 1/4 SEC. 9
T.1N., R.44W.
B.M. - ELEV. 3613.93
NAIL IN POWER POLE 50' RT.
STA. 3843+70

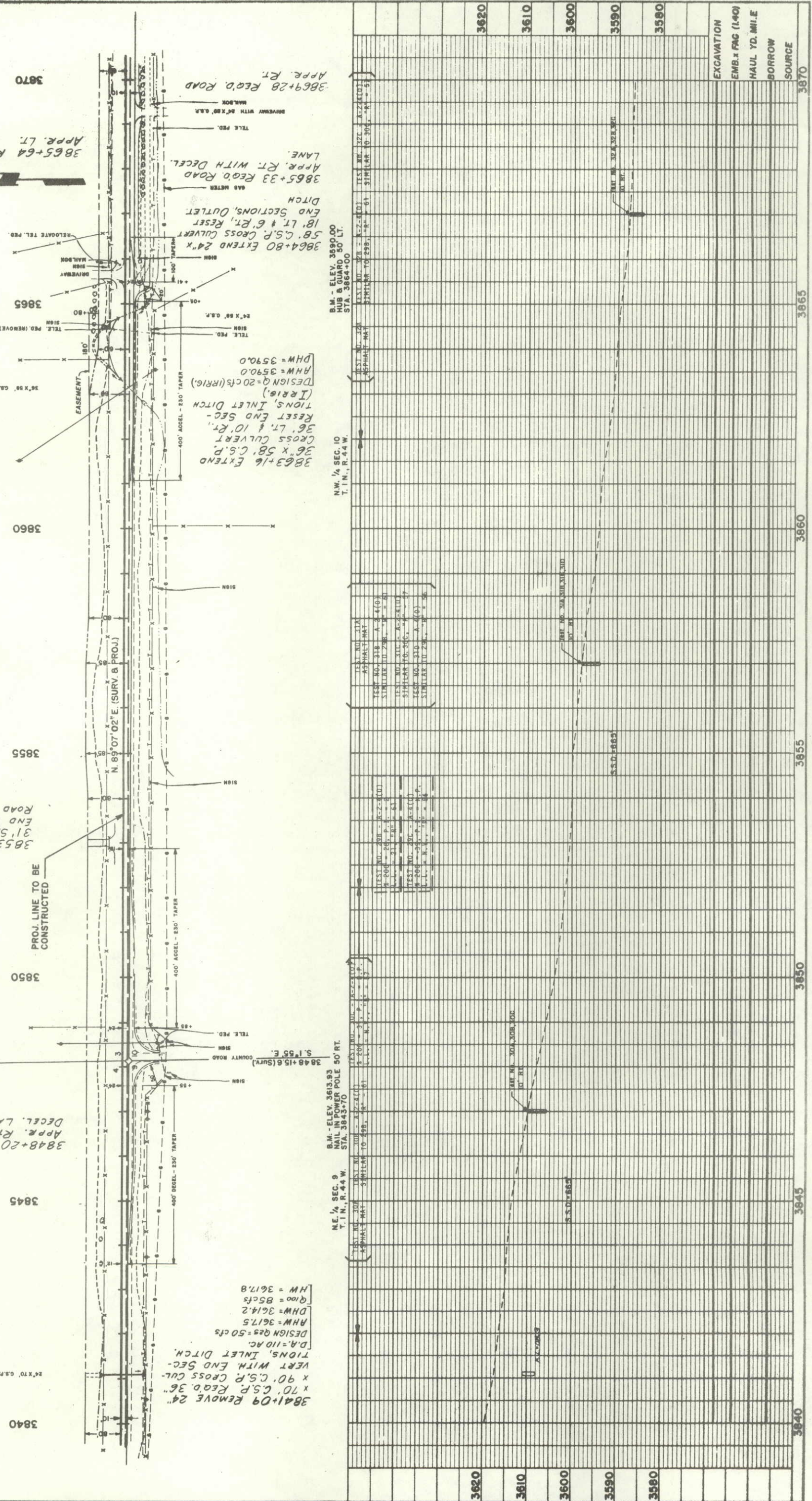
N.W. 1/4 SEC. 10
T.1N., R.44W.
B.M. - ELEV. 3590.00
NAIL IN GULCH 30' LT.
STA. 3864+00

3841+09 REMOVE 24"
X 70' C.S.P. CROSS CUL-
VERT WITH END SEC-
TIONS, INLET DITCH.
D.A. = 110 AC.
DESIGN Q25 = 50 cfs
RHW = 3617.5
DHW = 3614.2
Q100 = 85 cfs
HW = 3617.8

3863+16 EXTEND
36" X 58' C.S.P.
CROSS CULVERT
36' LT. & 10' RT.
RESET END SEC-
TIONS, INLET DITCH
(IRREG.)
DESIGN Q = 20 cfs (IRREG.)
RHW = 3590.0
DHW = 3590.0

3865+33 ROAD ROAD
APPR. RT. WITH DECEL.
LANE.
GAS METER
APPR. RT. WITH DECEL.
LANE.

3869+28 ROAD ROAD
APPR. RT.



AS CONSTRUCTED
NO REVISIONS 9-18-78 REVISED VOID

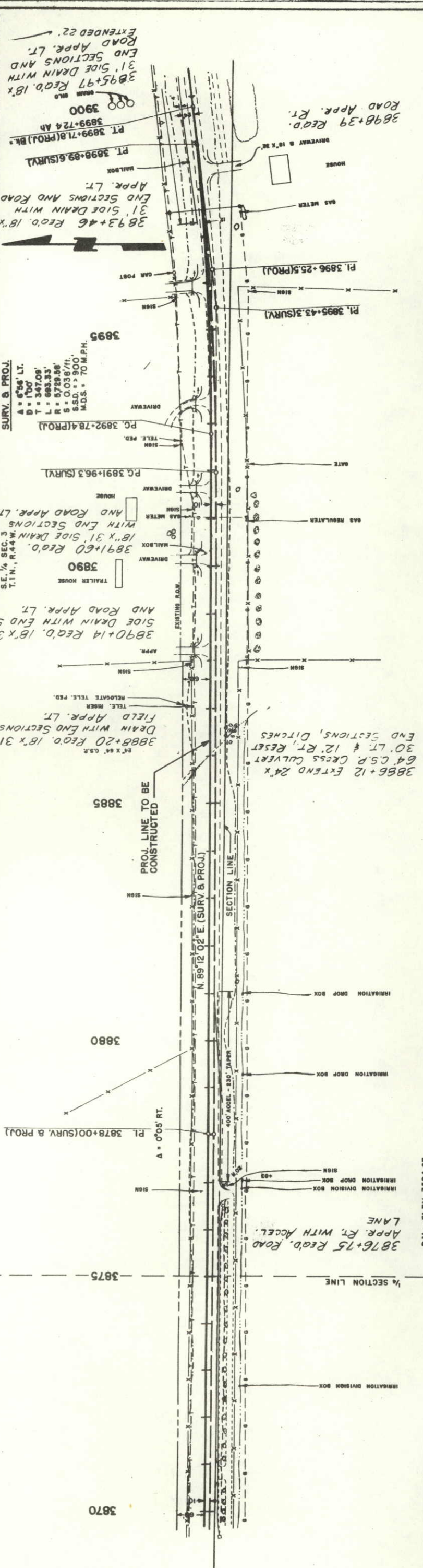
FEDERAL ROAD
SECTION NO.
DIVISION
COLORADO
PROJECT NO.
FC 034-3(4)
SHEET NO.
29
TOTAL
SHEETS
40

DATE	BY	REVISION

DATE	BY	REVISION

S.W. 1/4 SEC. 3
T.1N., R.44W.

NO REVISIONS		AS CONSTRUCTED		REVISED 9-18-78		VOID	
FEDERAL ROAD DISTRICT NO.		DIVISION		COLORADO		FC 034-3(4)	
PROJECT NO.		PROJECT NO.		PROJECT NO.		PROJECT NO.	
SHEET NO.		SHEET NO.		SHEET NO.		SHEET NO.	
TOTAL SHEETS		TOTAL SHEETS		TOTAL SHEETS		TOTAL SHEETS	

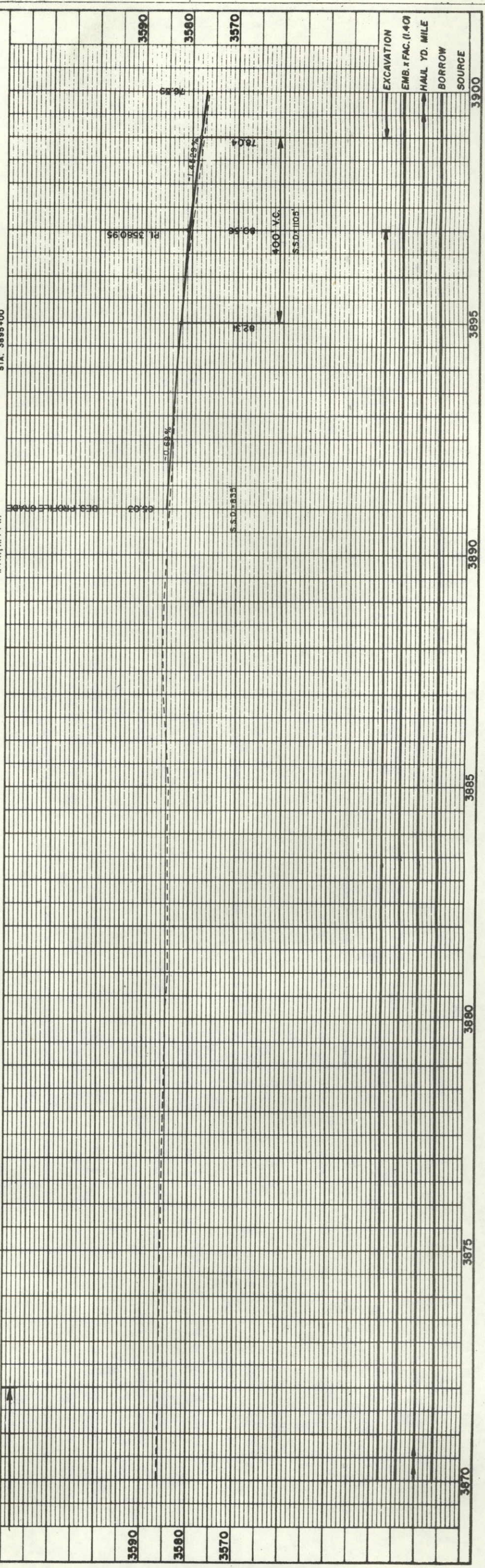


N.W. 1/4 SEC. 10
T.1N., R.44W.

B.M. - ELEV. 3584.27
HUB & GUARD 50' FT.
STA. 3874+00

S.E. 1/4 SEC. 10
T.1N., R.44W.

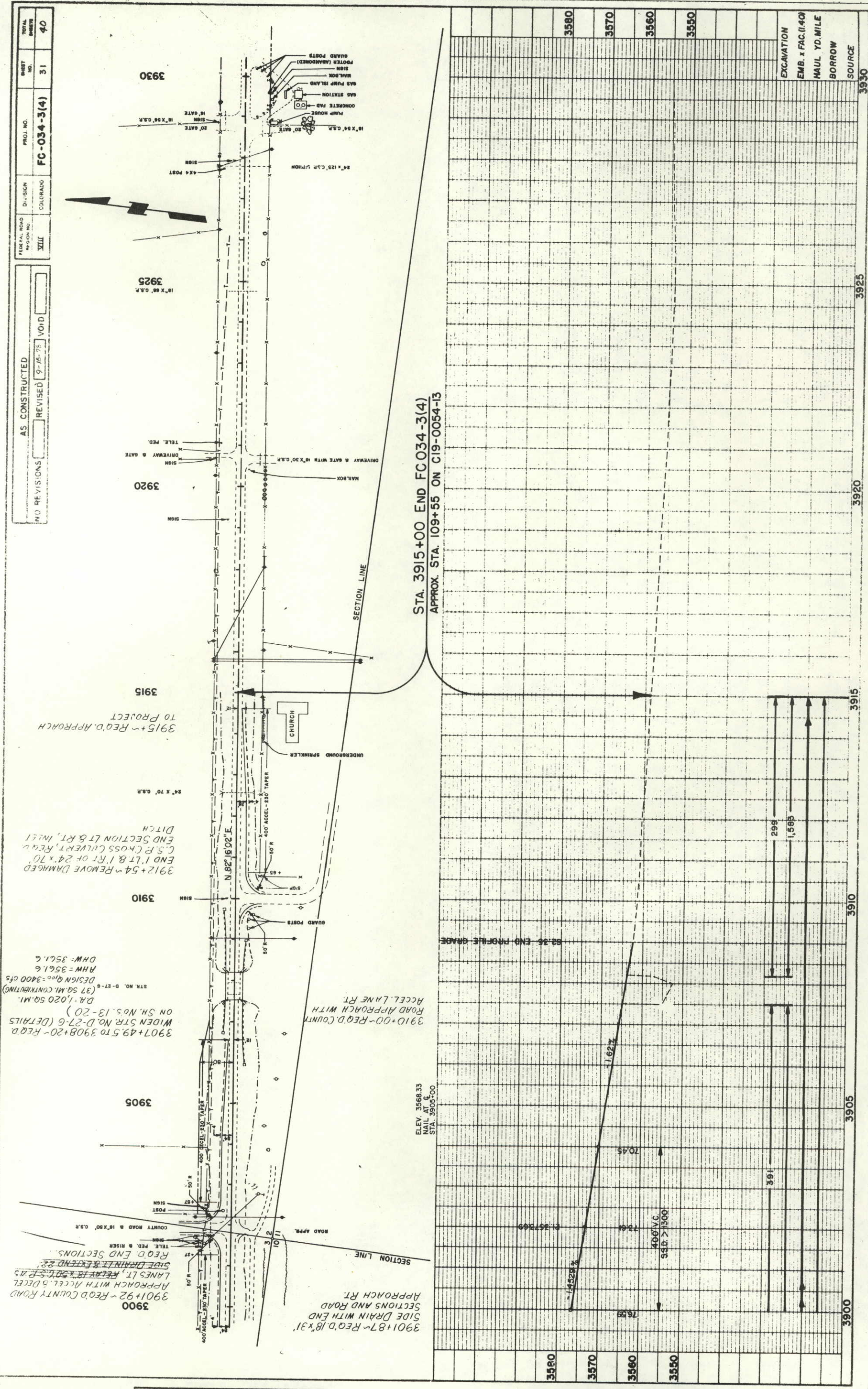
B.M. - ELEV. 3581.44
HUB & GUARD 50' FT.
STA. 3895+00



PROFILE	
DATE	BY
CHECKED BY	
DESIGNED BY	
DRAWN BY	
INCHES BETWEEN CENTER	
1" = 1' HORIZONTAL	
1" = 10' VERTICAL	

PLAN	
DATE	BY
CHECKED BY	
DESIGNED BY	
DRAWN BY	
INCHES BETWEEN CENTER	
1" = 1' HORIZONTAL	
1" = 10' VERTICAL	

AS CONSTRUCTED		FEDERAL ROAD DIVISION		PROJ. NO.	SHEET NO.	TOTAL SHEETS
NO REVISIONS		XIII		FC-034-3(4)	31	40
REVISED 9-15-78						



PROFILE NOTE BOOK No. 7094 651	REVEREND	
	MOTHER	
	DAUGHTER	
	W. M. NOTED	
	STRUCTURAL NOTATIONS CHECKED	
DATE	BY	

MAN	NOTE BOOK 5/15/57 5/15/57	RECEIVED	DATE
		ALIGNED ORDER	
		PLATED	
		REVERSE	
		BY	