

MEET

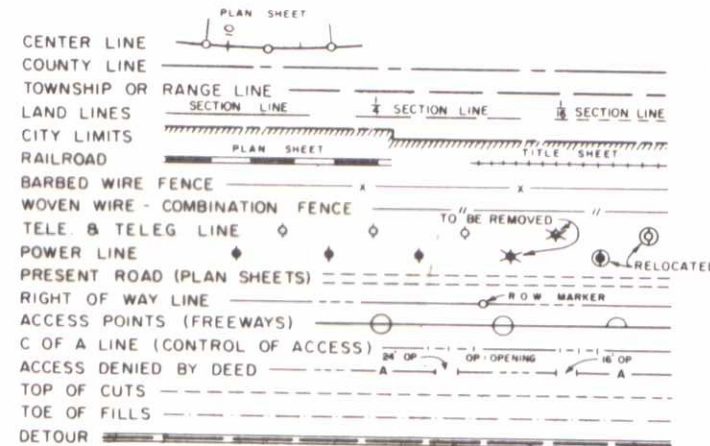
STATE DEPARTMENT OF HIGHWAYS

DIVISION OF HIGHWAYS—STATE OF COLORADO

UTILITIES, R.O.W. & P.E.
OBLIGATED UNDER PROJ.
NO. F-RF 034-1(10)

FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NO.
VII	COLORADO	RF 034-1 (13)	/

CONVENTIONAL SIGNS



PLAN AND PROFILE OF PROPOSED FEDERAL AID PROJECT NO. RF034-1 (13) STATE HIGHWAY NO. 34

LARIMER COUNTY AS CONSTRUCTED
REVISED DATE July 30, 1975

SCALES OF ORIGINAL DRAWINGS
ON PLAN, 1 IN = 100 FT
ON PROFILE 1 IN = 100 FT HORIZONTAL
1 IN = 10 FT VERTICAL
GRADE LINE ON PROFILE IS SHOWN AS GRADE OF FINISHED ROAD

SHEET NO

INDEX OF SHEETS

- 1 SKETCH MAP, TITLE PAGE AND TABULATION OF LENGTH AND DESIGN DATA
- 2 TYPICAL CROSS SECTIONS AND GENERAL NOTES
- 3 - 5 SUMMARY OF APPROXIMATE QUANTITIES
- 6 FENCING REQUIREMENTS AND SUMMARY OF EARTHWORK QUANTITIES
- 7 TABULATION OF DELINEATORS, TABULATION OF GUARD RAIL, BASE COURSE AND SURFACE COURSE PLAN AND SUBBASE PLAN
- 8 PIT SKETCHES
- 9 - 10 STRUCTURE QUANTITIES
- 11 DETAILS OF SIPHONS, STA. 12+45, 18+29 AND 39+32, DETAILS OF SIPHON WITH SLIDE HEADGATE, STA. 28+00 AND DETAILS OF CHANNEL CHANGE, STA. 23+ TO 33+ LT.
- 12 DETAILS OF CONCRETE LINED IRRIGATION DITCHES, CONCRETE RISER BOX, TRASH GUARD SPECIAL AND COMBINATION SIPHON HEADWALL AND DIVISION BOX.
- 13 TRAFFIC SIGNAL PLAN U.S. 34 & U.P.R.R. CROSSING
- 14 - 15 FLASHING YELLOW BEACON AND SIGN INSTALLATION
- 16 DETAILS OF INTERSECTIONS, STA. 12+, 41+, 90+ AND STA. 65+
- 17 DETAILS OF INTERSECTION, STA. 120+
- 18 - 23 ALIGNMENT PLAN AND PROFILE
- 24 - 29 STRUCTURE CROSS SECTIONS

"M" STANDARDS

M-203-SC	SUPERELEVATION & WIDENING OF CURVES - CROWNED HIGHWAYS	10-22-71
M-203-SD	SUPERELEVATION OF CURVES - DIVIDED HIGHWAYS	10-22-71
M-203-B	APPROACH ROADS, FLARING, CUT SLOPE TREATMENT, BRIDGE & CREST WIDENING	12-11-72
M-203-C	DITCH TYPES	7-23-68
M-206-AA	EXCAVATION AND BACKFILL FOR STRUCTURES	11-5-73
M-603-CA	CONCRETE AND METAL END SECTIONS	6-25-71
M-603-MA	METAL CULVERT PIPE - H-20 LOADING	1-11-74
M-603-RC	REINFORCED CONCRETE PIPE	8-29-72
M-604-BA	INLET, TYPE C	5-24-71
M-604-D	STEPS FOR MANHOLES AND INLETS	7-23-68
M-606-B	GUARD RAIL, TYPE 5, BOX BEAM MEDIAN BARRIER - STEEL	4-20-73
M-607-A	WIRE FENCES AND GATES	8-19-71
M-614-TB	TRAFFIC SIGNING FOR HIGHWAY CONSTRUCTION	11-22-71
M-616-B	CSP SIPHON	4-9-71

As Constructed "No Revisions"
Sheets 14, 15

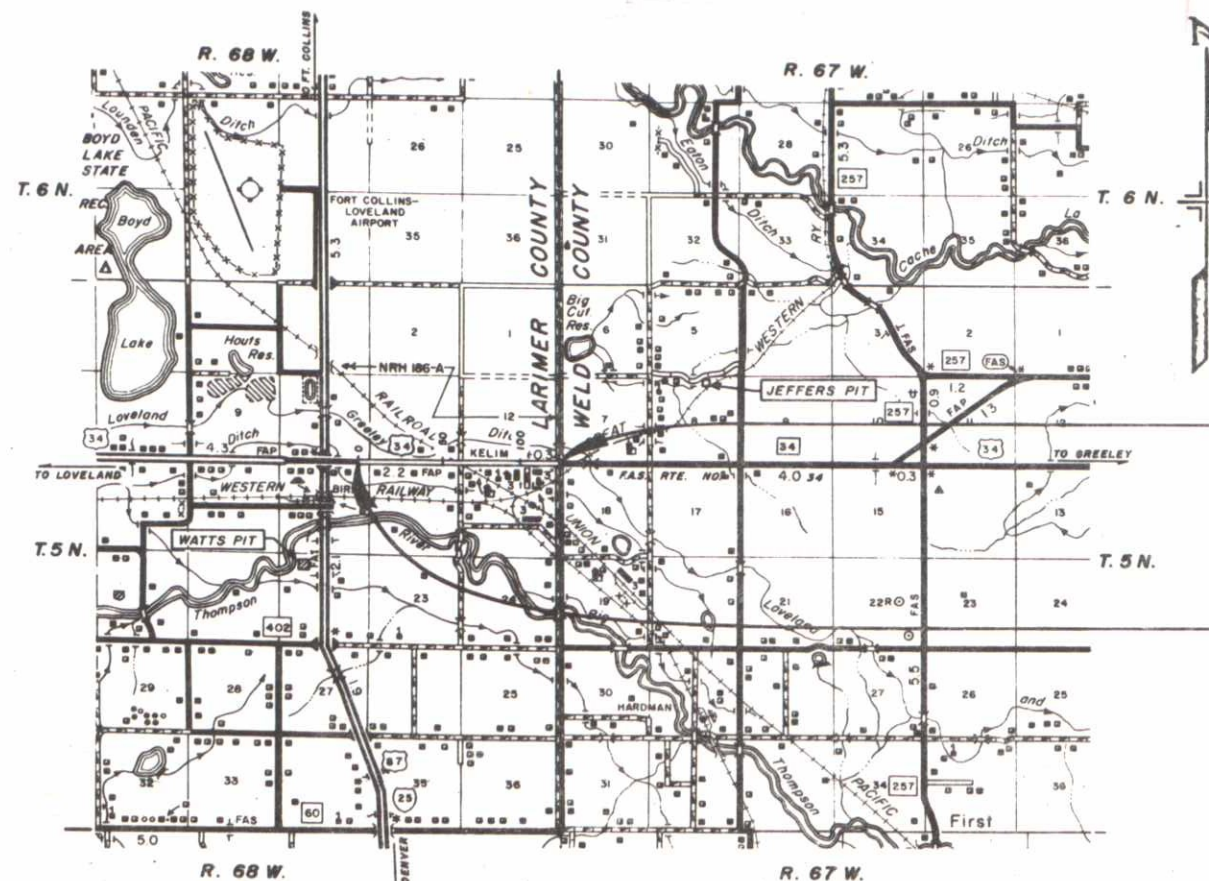
"S" STANDARDS

S-612-51A	TYPICAL DELINEATOR INSTALLATIONS	(2 SHEETS)	10-26-72
S-614-29B	TYPICAL PAVEMENT MARKINGS	(2 SHEETS)	4-26-73
S-614-37A	STANDARD RAILROAD WARNING SIGNS		4-12-73
S-614-52A	BARRICADES, DRUMS & VERTICAL PANEL CHANNELIZING DEVICES		11-1-73

TABULATION OF LENGTH & DESIGN DATA

STATION	ROADWAY	
	LIN. FT.	
STA. 0+00.0 BEGIN RF034-1(13)= STA. 0+00.0 ON I 25-3(27)251 OPR 773+54 ON N.R.H. 186-A	12,053.7	
STA. 120+53.7 END RF034-1(13) OPR 653+09.2 BEG. N.R.H. 186-A		
TOTAL	12,053.7	
SUMMARY	LIN. FT.	MILES
	12,053.7	2.283
DESIGN DATA		
MAXIMUM DEGREE OF CURVE	0°30'	
MAXIMUM GRADE	1.1431%	
MINIMUM S.S.D. - HORIZONTAL	>1300 FT.	
MINIMUM S.S.D. - VERTICAL	740 FT.	
MAXIMUM DESIGN SPEED	70 M.P.H.	

1993 DESIGN TRAFFIC VOLUME { 10,300 A.D.T.
1,230 D.N.V.



SCALE OF MILES
0 1 2 3 4

STA. 120+53.7 END RF034-1(13)
OPR 653+09.2 BEG. N.R.H. 186-A

STA. 0+00 BEG. RF034-1(13) =
STA. 0+00 ON I 25-3(27)251
OPR 773+54 ON N.R.H. 186-A

DIVISION OF HIGHWAYS

APPROVED

CHIEF ENGINEER

DATE

AS CONSTRUCTED INFORMATION

CONTRACTOR Mountain Aggregates, Inc.

Resident ENGINEER M.H. Grice

(Project or Resident)

PROJECT STARTED April 15, 1974

PROJECT COMPLETED July 30, 1975

AS CONSTRUCTED PLANS

APPROVED

TITLE

DATE

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED

DATE

DIVISION ENGINEER

C.K.M.

ALIGNED CHECKED
BY: [Signature]
DATE: 7/27/75

NOTE BOOK GRADES CHECKED
FORM 253 STRUCTURE NOTATION CHYD
DATE: 7/27/75

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
XIII	COLORADO	RF 034-1(13)	18	23

AS CONSTRUCTED
REVISED DATE
July 30, 1975

0- Construct two Type "C" Inlets
(5 Feet) to fit existing drainage

0+ Req'd. Approach to Project

SE 4, Sec. 10
T. 5 N., R. 68 W.

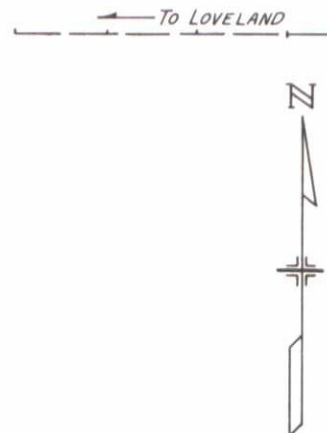
0+ Remove 18" R.C.P.
and Median Inlet

5+50 Remove 12" by 22" C.S.P.
in median

12+80- Req'd. 18"x35" Side
Drain with End Sections &
Road Approach Lt.

12+45- Remove 18" C.S.P.
Siphon with 18"x6" Culvert
Req'd. 18"x6" A.B.S. Siphon
Pipe with Siphon Type
Haw's (H-2.8 LI & 2.5 RI)
(Details on Sheet No. 11)

12+65- Remove 15" C.S.P. R.I.
Req'd. 18"x6" Culvert
with End Sections in Median
and Median Opening (40') &
18"x31" Side Drain with End
Sections & Road Approach R.I.
(Details on Sheet No. 16)



NE 4, Sec. 15
T. 5 N., R. 68 W.

STA. 0+00.0 BEGIN RF034-1(13)

STA. 0+000 ON I 25-3(27) 251
OPP 773+54 ON N.R.H. 186-A

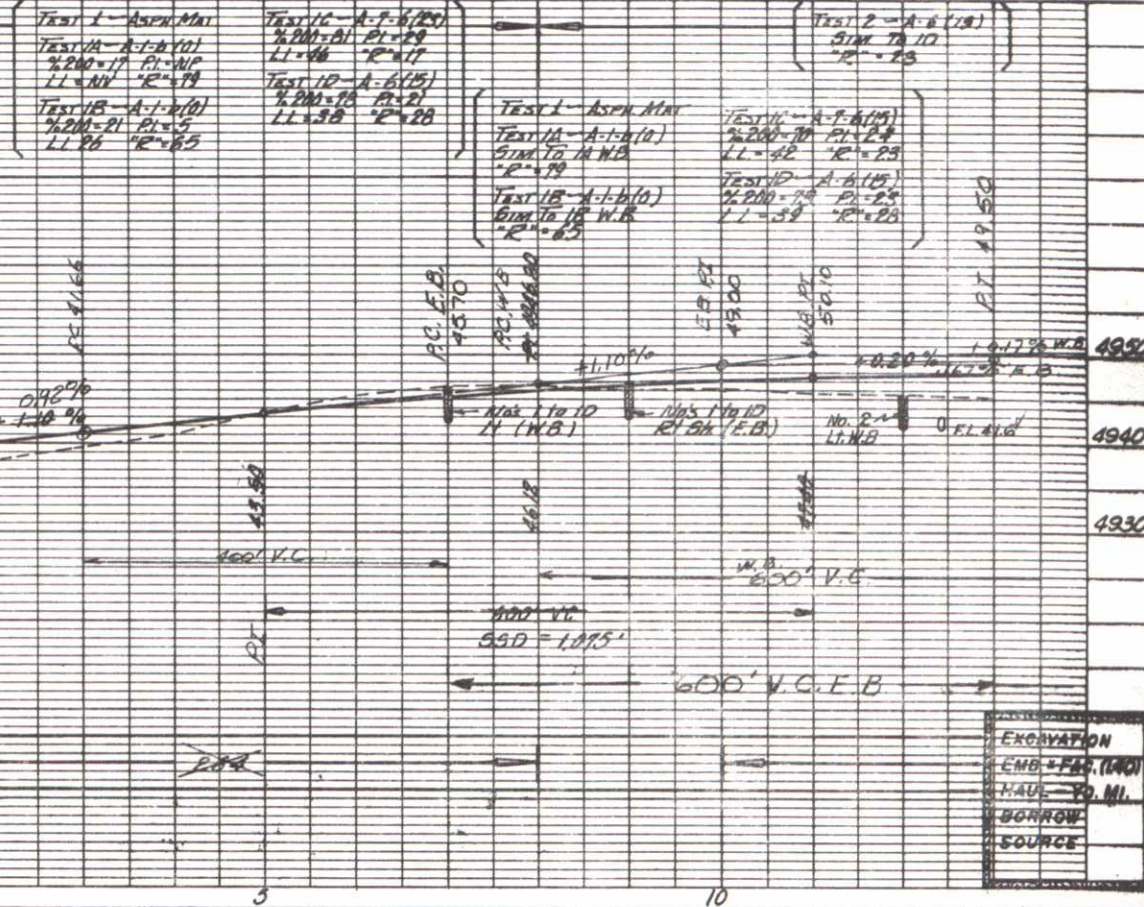
Note:
Surfacing and Subbase referenced to
profile on W.B. Lane.

Profiles were taken in relation to survey
G.I. from Sta. 0+00 to 114+00 W.B. and
on the right shoulder of present U.S.
34 from Sta. 0+00 to 117+00 E.B.

WEST BOUND LANE

GAMBLE Rte. 700B
Proj. No. F034-1(10)

EAST BOUND LANE



NOTES:
1. ALIGNMENT CHECKED.
2. RT. OF WAY CHECKED.
3. 11/15/75

NOTES:
1. GRADES CHECKED.
2. E. & M. NOTED.
3. STRUCTURE NOTATIONS CHECKED.
4. 11/15/75

SW 4, Sec. 11
T. 5 N., R. 68 W.

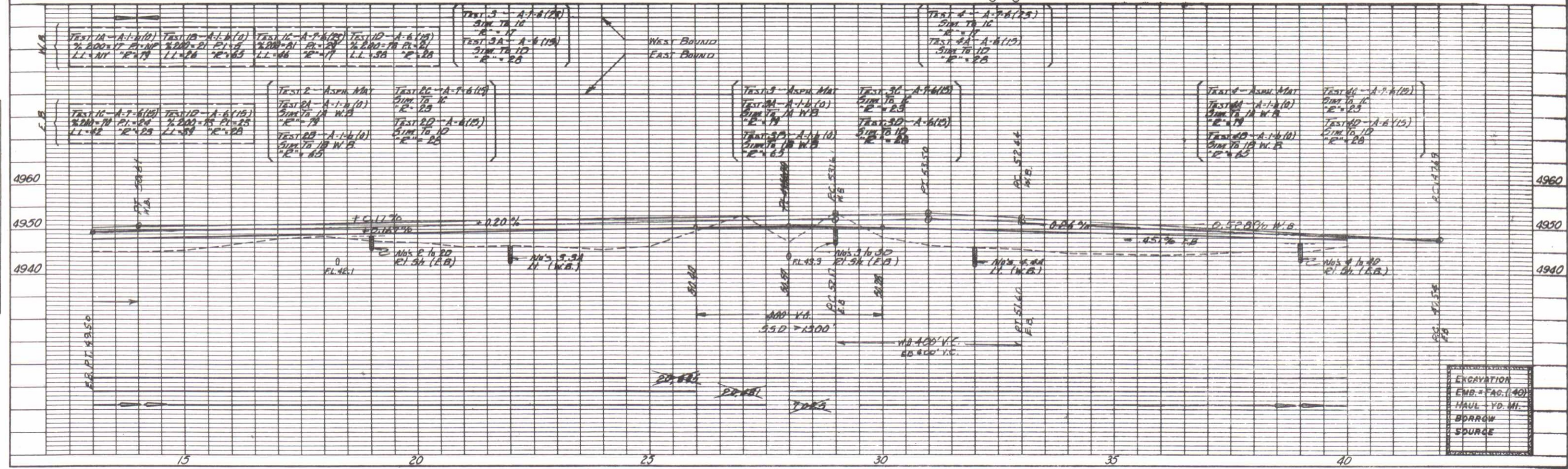
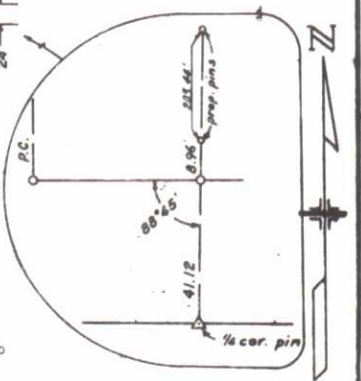
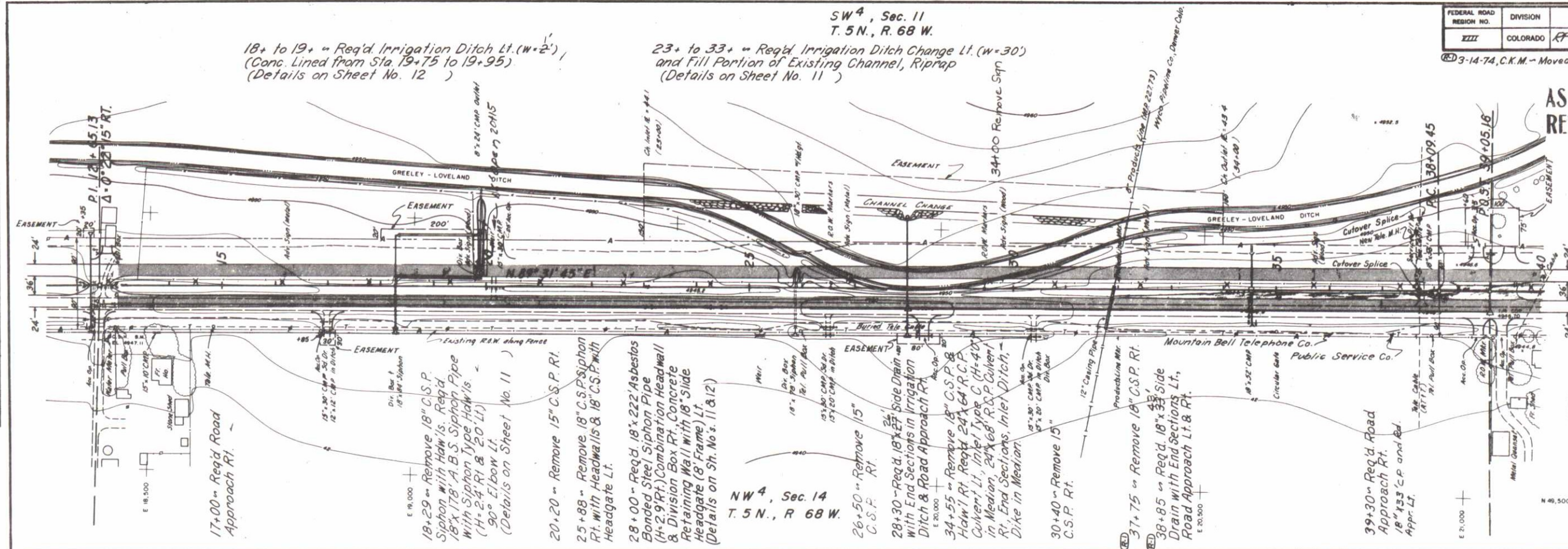
18+ to 19+ - Req'd Irrigation Ditch Lt. (W-2')
(Conc. Lined from Sta. 19+75 to 19+95)
(Details on Sheet No. 12)

23+ to 33+ - Req'd Irrigation Ditch Change Lt. (W-30')
and Fill Portion of Existing Channel, Riprap
(Details on Sheet No. 11)

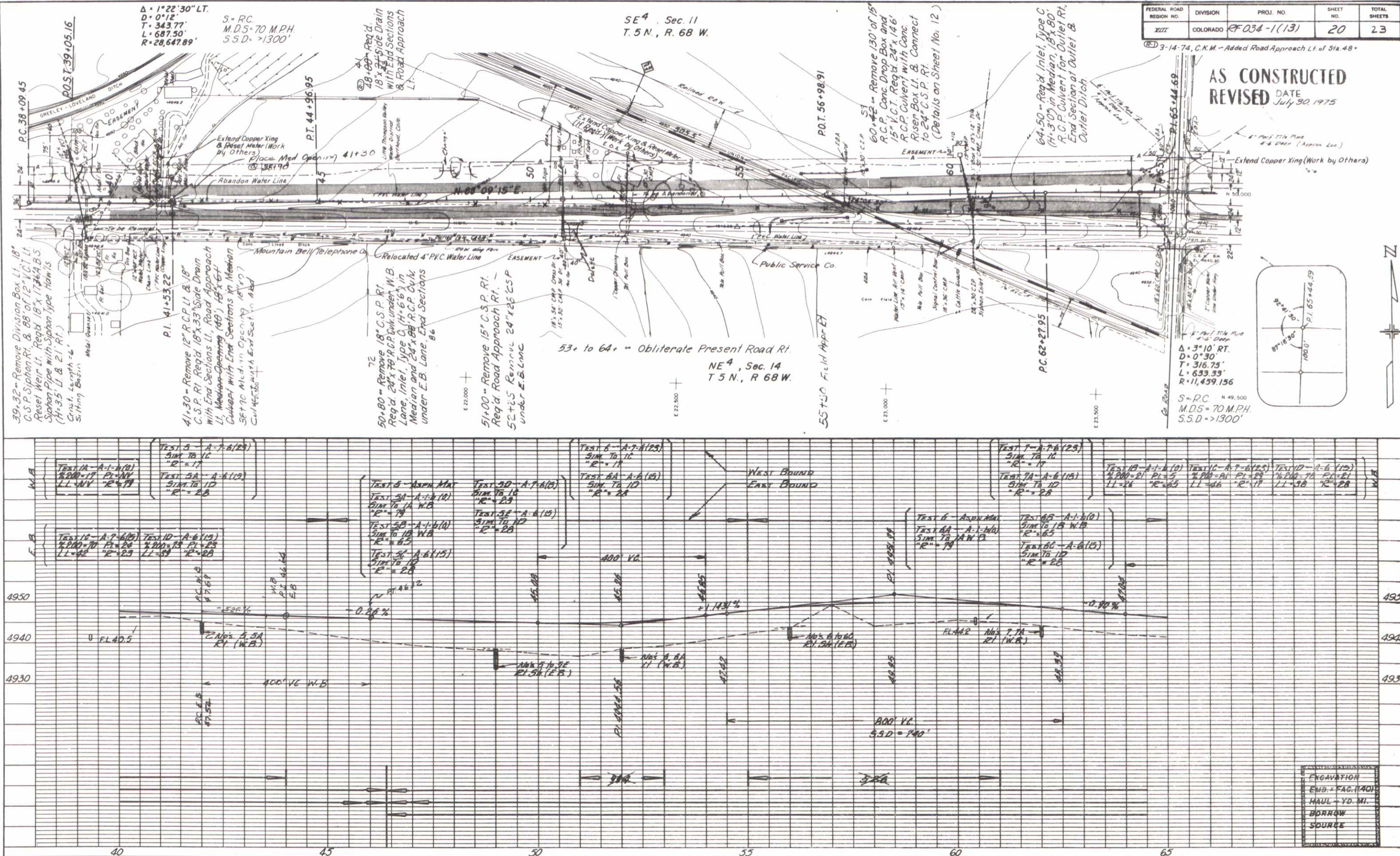
FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
XIII	COLORADO	RF 034-1(13)	19	23

3-14-74, C.K.M. - Moved Road Appr. from Sta. 37+ to 38+.

AS CONSTRUCTED
REVISED DATE
July 30, 1975



EXCAVATION
EMB. & FAC. (40)
HAUL YD. MI.
BORROW
SOURCE



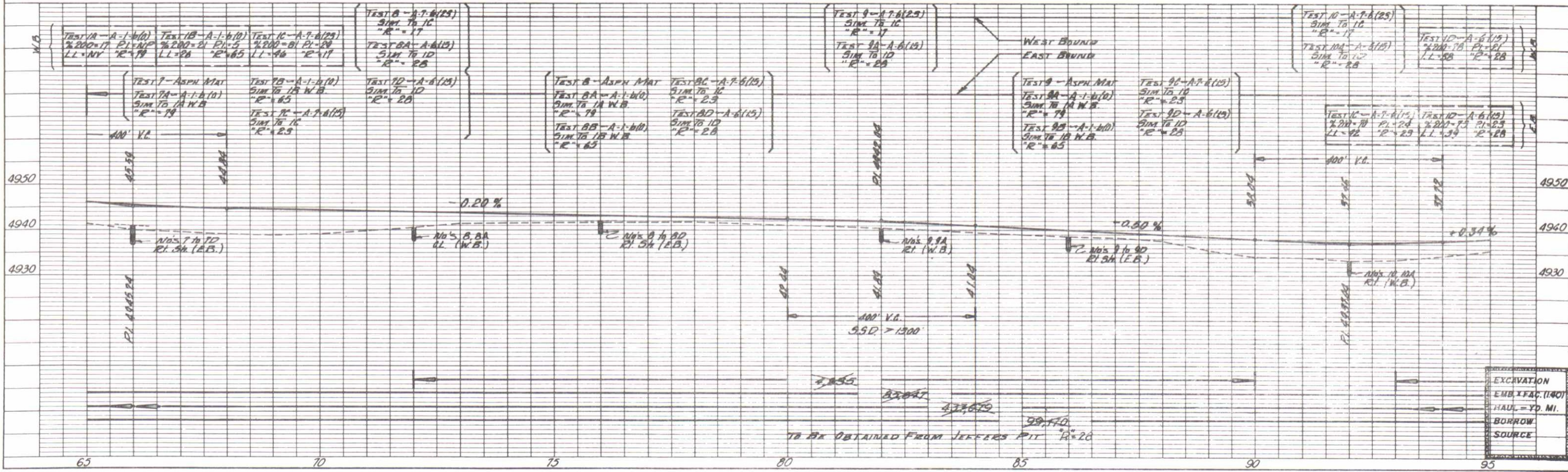
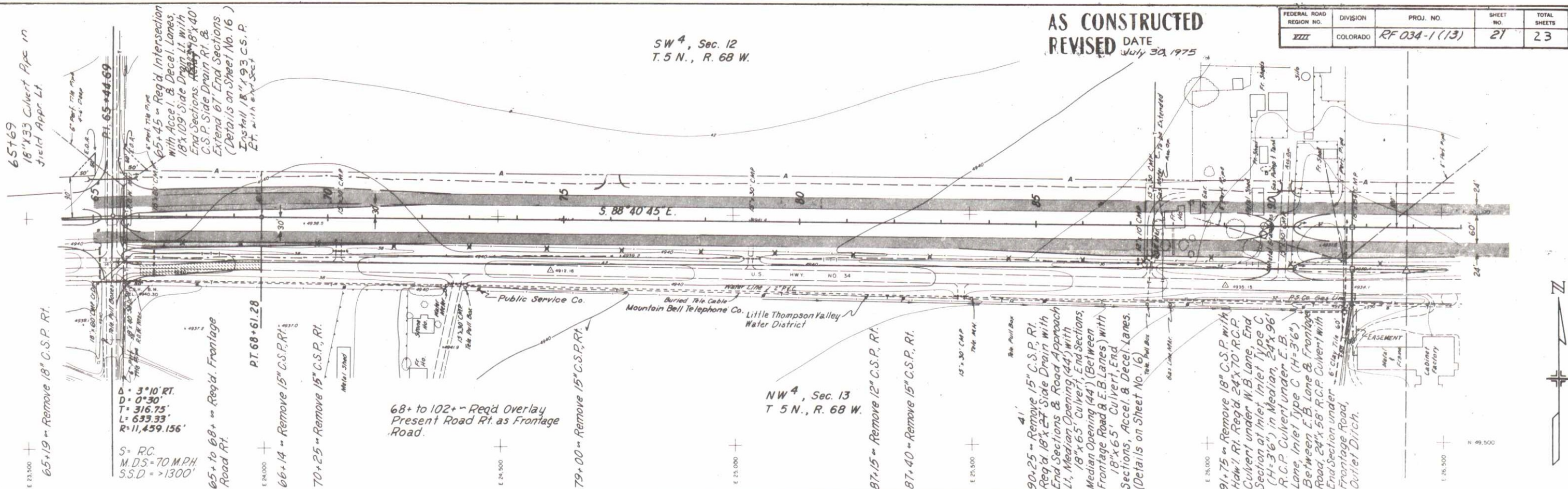
NO. 1
ALIGNMENT CHECKED
BY: M. J. MOTT
DATE: 10/1/75

NO. 2
GRADES CHECKED
BY: M. J. MOTT
DATE: 10/1/75

SW 4, Sec. 12
T. 5 N., R. 68 W.

AS CONSTRUCTED
REVISED DATE July 30, 1975

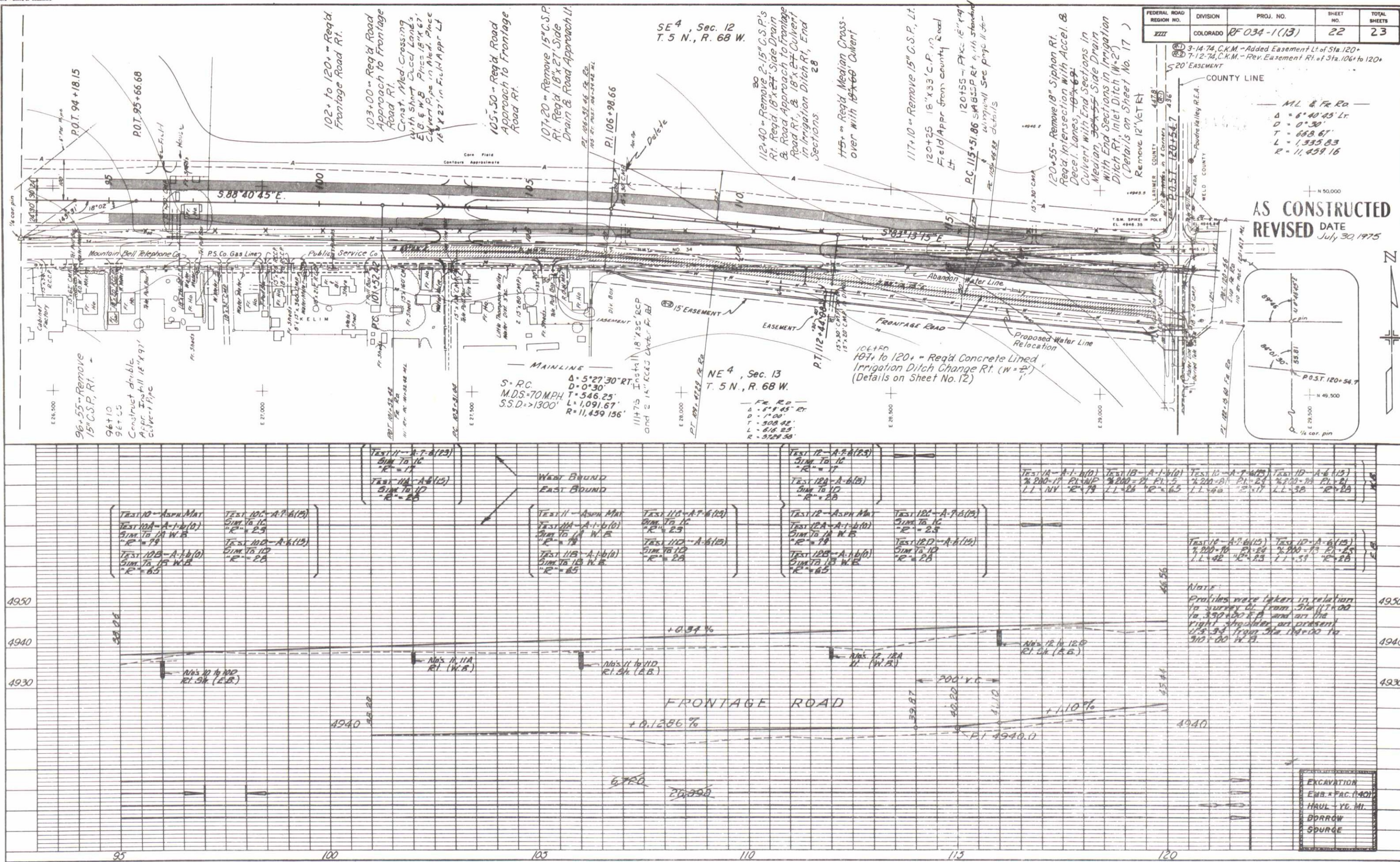
FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	RF 034-1 (13)	21	23



EXCAVATION
EMB. FAC. (140)
HAUL - YD. MI.
BORROW
SOURCE

NO. 10
ALIGNED CHECKED
NO. 11
RT. OF WAY CHECKED
NO. 12
STRUCTURE NOTATION CHD

NO. 13
GRADES CHECKED
NO. 14
B. & M. NOTED
NO. 15
FORM 45.2 STRUCTURE NOTATION CHD



(R-1) 3-14-74, C.K.M. - Added Easement Lt. of Sta. 120+
(R-2) 7-12-74, C.K.M. - Deleted Easement Rt. of Sta. 121+ to 128+

AS CONSTRUCTED
REVISED DATE
July 30, 1975

