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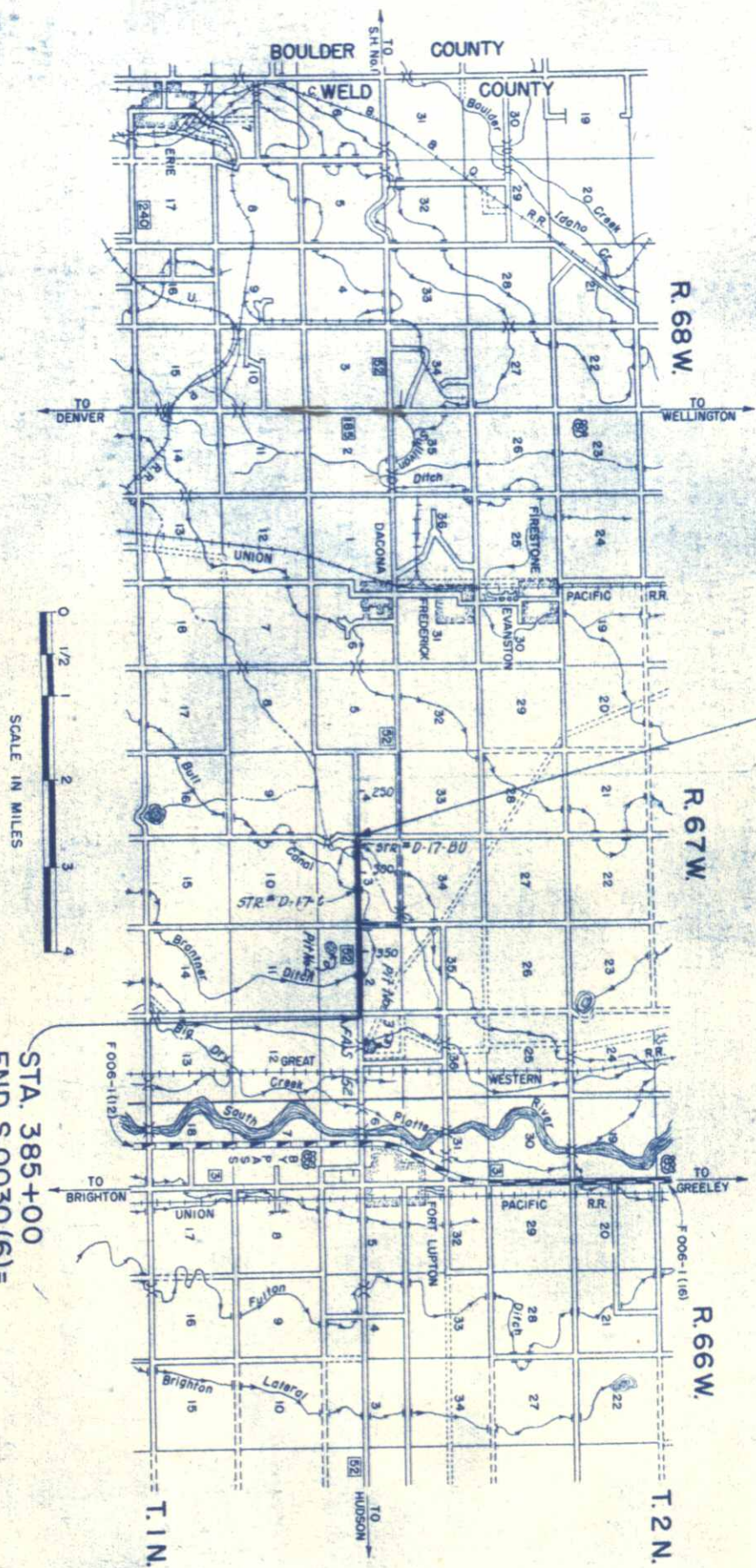
SHEET NO.	DESCRIPTION
1	Title Sheet, Sketch Map & Tabulation of Length & Design Data
2	Typical Section, General Notes & Details of Concrete Roadway & Culvert
3	Summary of Approximate Quantities
4	Fencing Tabulation, Surfacing & Sub-Base Material Plans & Summary of Earthwork Quantities
5-6	List of Structure Quantities
6	Timber Guard Posts, R.O.W. Markers & PI Information
7-12	Details of Bridge, Sta. 283+ to 284+
13	Standard Side Approach Road, Flaring, Cut Slope Treatment & Widening at Bridges and at Crest of Grades
14	Standard Marker Posts and Bench Marks
15	Standard Letters & Figures for Year Numbers and Structure Numbers
16	Standard Timber Guard Posts
17	Standard Metal Plate Guard Fence (Beam Type)
18	Standard Metal Plate Guard Fence with Metal Posts
19-20	Standard Roadway Construction Traffic Signs
21	Standard Single and Double Concrete Box Culverts
22	Standard Wingwalls for Various Types of Concrete Box Culverts
23	Standard Methods of Backfill Around Structures
24	Standard Headwalls and Aprons for CMP Culverts
25	Standard Types of Ditches and Construction Methods
26	Standard Siphon Corrugated Galvanized Iron Pipe with Concrete Inlet and Outlet Boxes
27	Concrete Inlet and Outlet Boxes
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37-40	Reinforced Concrete Culvert Pipe and Concrete Sewer Pipe

TABULATION OF LENGTH & DESIGN DATA			
STATION	ROADWAY LIN. FT.	BRIDGE LIN. FT.	LOADING
278+50 BEGIN S 0030(6)	473.0	93.6	H20-S16-44
283+23.0 STR. NO. D-17-BU			
284+16.5	10,083.4		
385+00 END S 0030(6) BEGIN S 0030(5)			
TOTALS	10,556.4	93.6	
SUMMARY	LIN. FT.	MILES	
ROADWAY	10,556.4	1.999	
BRIDGE	93.6	0.018	
TOTAL (Net & Gross Lengths)	10,650.0	2.017	
DESIGN DATA			
Maximum Degree of Curve			No Curves
Maximum Grade			1.80%
Minimum N.P.S.D. Horizontal			> 1300'
Minimum N.P.S.D. Vertical			695'
Maximum Design Speed			60 MPH

COLORADO
DEPARTMENT OF HIGHWAYS

PLAN AND PROFILE OF PROPOSED
FEDERAL AID PROJECT NO. S 0030 (6)
STATE HIGHWAY NO. 52
WELD COUNTY

SCALES OF ORIGINAL DRAWINGS
ON PLAN, 1 IN. = 100 FT.
ON PROFILE, 1 IN. = 10 FT. HORIZONTAL
1 IN. = 10 FT. VERTICAL
GRADE LINE ON PROFILE IS SHOWN AS GRADE OF FINISHED ROAD
GROSS LENGTH OF PROJECT 10,650.0 FT. = 2.017 MI.
NET LENGTH OF PROJECT



AS CONSTRUCTED PLANS
RETURN TO DIST. 4 DESIGN

CONVENTIONAL SIGNS

CENTER LINE	_____
RIGHT OF WAY LINE	_____
COUNTY LINE	_____
TOWNSHIP OR RANGE LINE	_____
LAND LINES	_____
RAILROAD	_____
BARBED WIRE FENCE	_____
COMBINATION WIRE FENCE	_____
SNOW FENCE	_____
TELEPHONE & TELEGRAPH LINES	_____
POWER LINE	_____
DETOUR	_____
PRESENT ROAD (from Sheets)	_____
PIPE SEWER FOR IRRIGATION	_____



SEE SPECIAL PROVISIONS FOR
NOTICE TO BIDDERS

APPROVED:	_____
CHIEF ENGINEER	_____
DATE	8-11-58

APPROVED:	_____
DIVISION ENGINEER	_____
DATE	_____

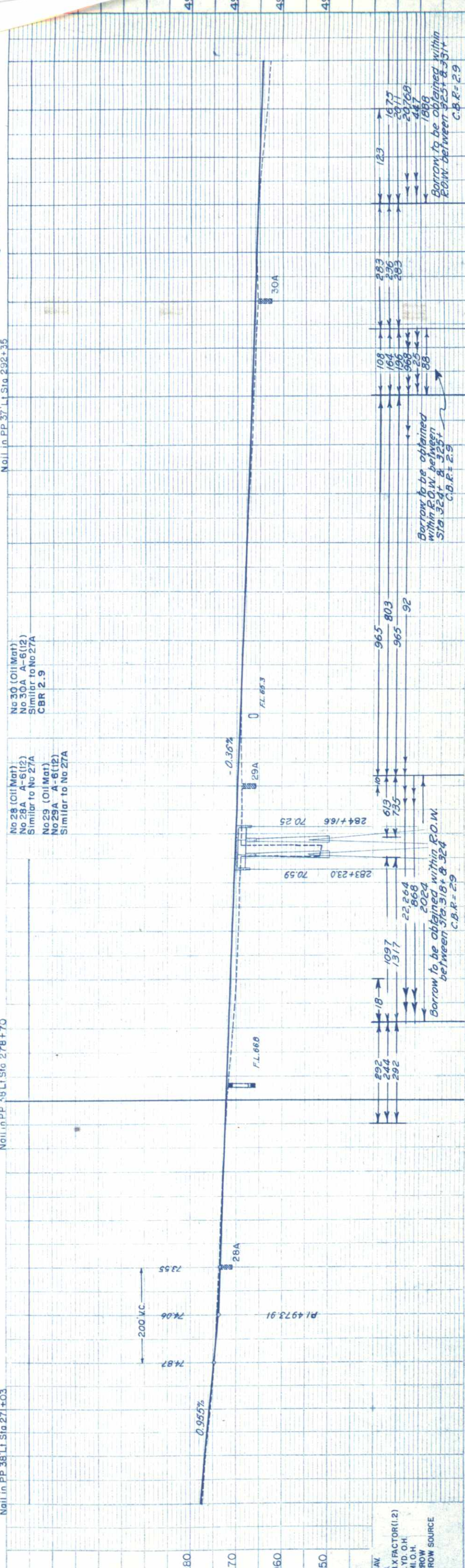
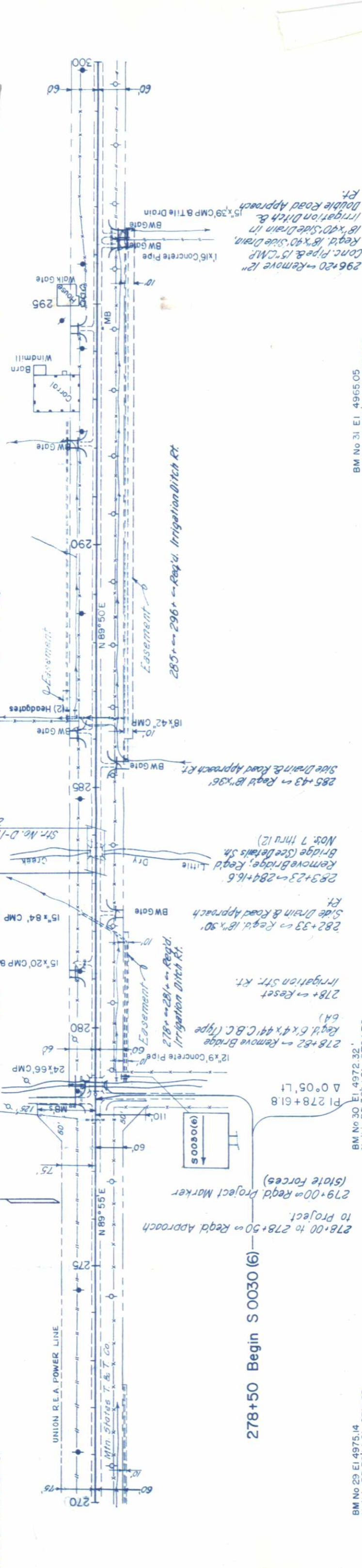
NOTE: Alignment & Grades as shown are subject to modification during construction after approval by the Denver Office. Soil Data shown on the plans is obtained from best available testing laboratory information. This information is shown for the convenience of the contractor and the Department does not guarantee the accuracy of these tests. If materials not conforming to the data on plans are encountered during construction, the grading plan shown on plans will be modified where necessary, to secure dense stable embankments.

DATE	BY	REVISION

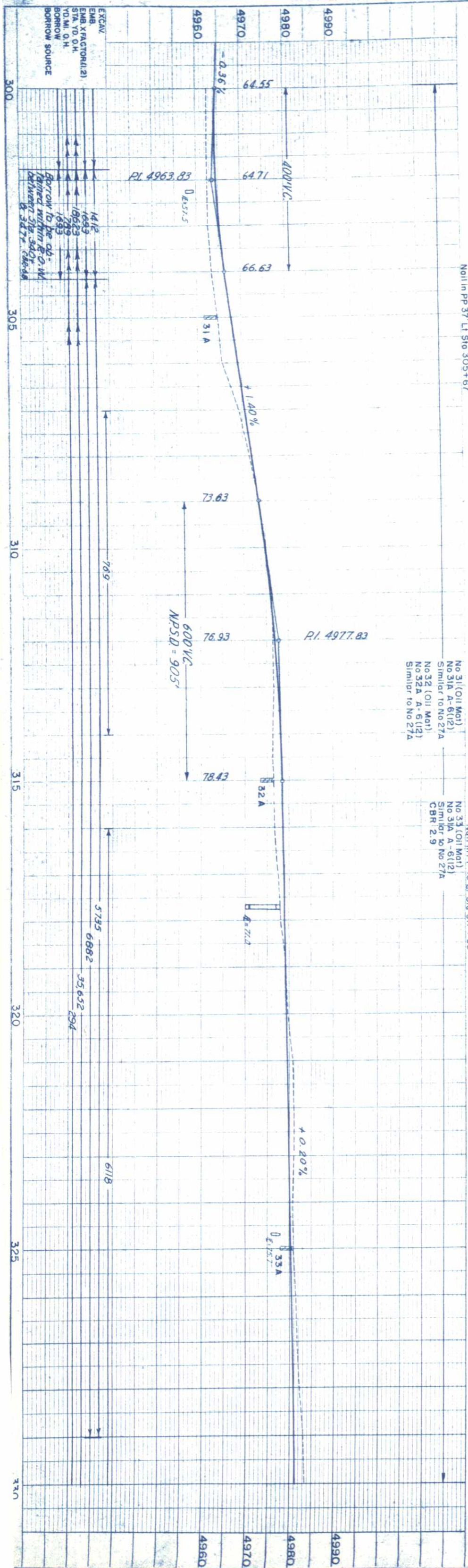
DATE	BY	REVISION

FED. ROAD DIV. NO.	DIST.	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	S 0030 (6)	28	28

D. S. M.



STATION	ELEVATION	REMARKS
270	4950	
275	4955	
280	4960	
285	4965	
290	4970	
295	4975	
300	4980	



302+25 ← Req'd. 24"
x 68' Cross Culvert,
Metal Aprons & Ditches

302+45 ← Remove 18" C.M.P.

305+52 ~ Remove 15"
C.M.P. Req'd. 18"x26'
Side Drain & Road
Approach Rt.; Ditches

306+ ~ 313+ ~ Req'd. 1,116'
of 8" Per f.C.M.P. Underdrain

307+64 → Remove 15" CMP. 15'
Req'd. 18"x26' Side Drain &
Road Approach Rt. Ditches

308+84 ~ Remove 15" C.M.P. 15'x20' C.M.P.

305+12 ~ Remove 15"
C.M.P. Req'd 18"x32"
Side Drain, 18"x26"
Side Drain in Irrigation
Ditch & Road Approach
Lt.

312+30 ~ Reg'd. Road
Approach Lt.

315+08 ~ Reg'd Road
Approach Lt.

317+71 - Remove Bridge
Req'd. 10'x6'x60' C.B.C.
(Type 10A) Str. #D-17-t

321+47 ← Req'd 18" x
30' Side Drain &
Road Approach Lt.

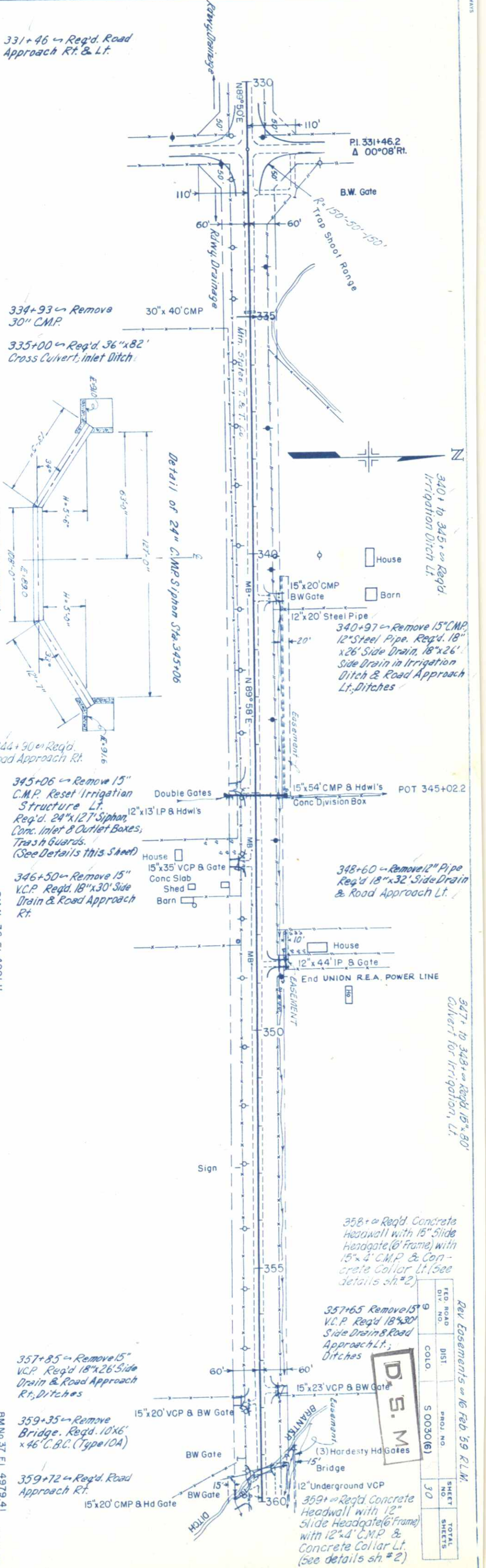
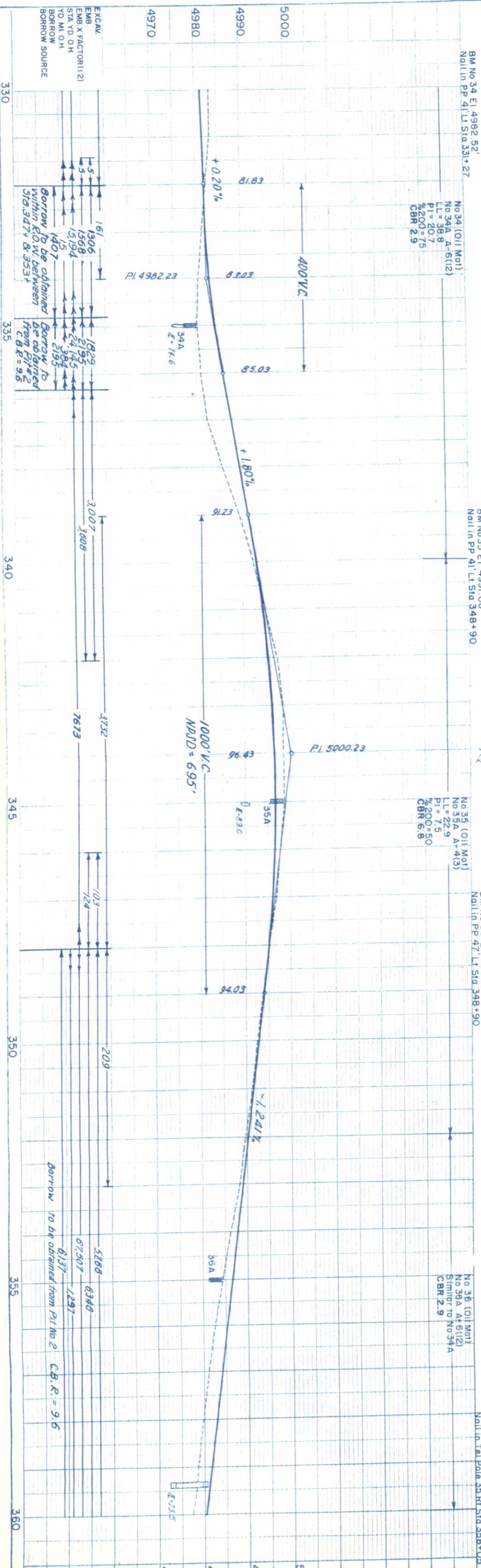
322+29 ~ Req'd. 18"x30'
Side Drain & Road
Approach Rt.

324+69 - Remove 18"
C.M.P. Req'd. 24"x62'
Cross Culvert. Metal
Aprons

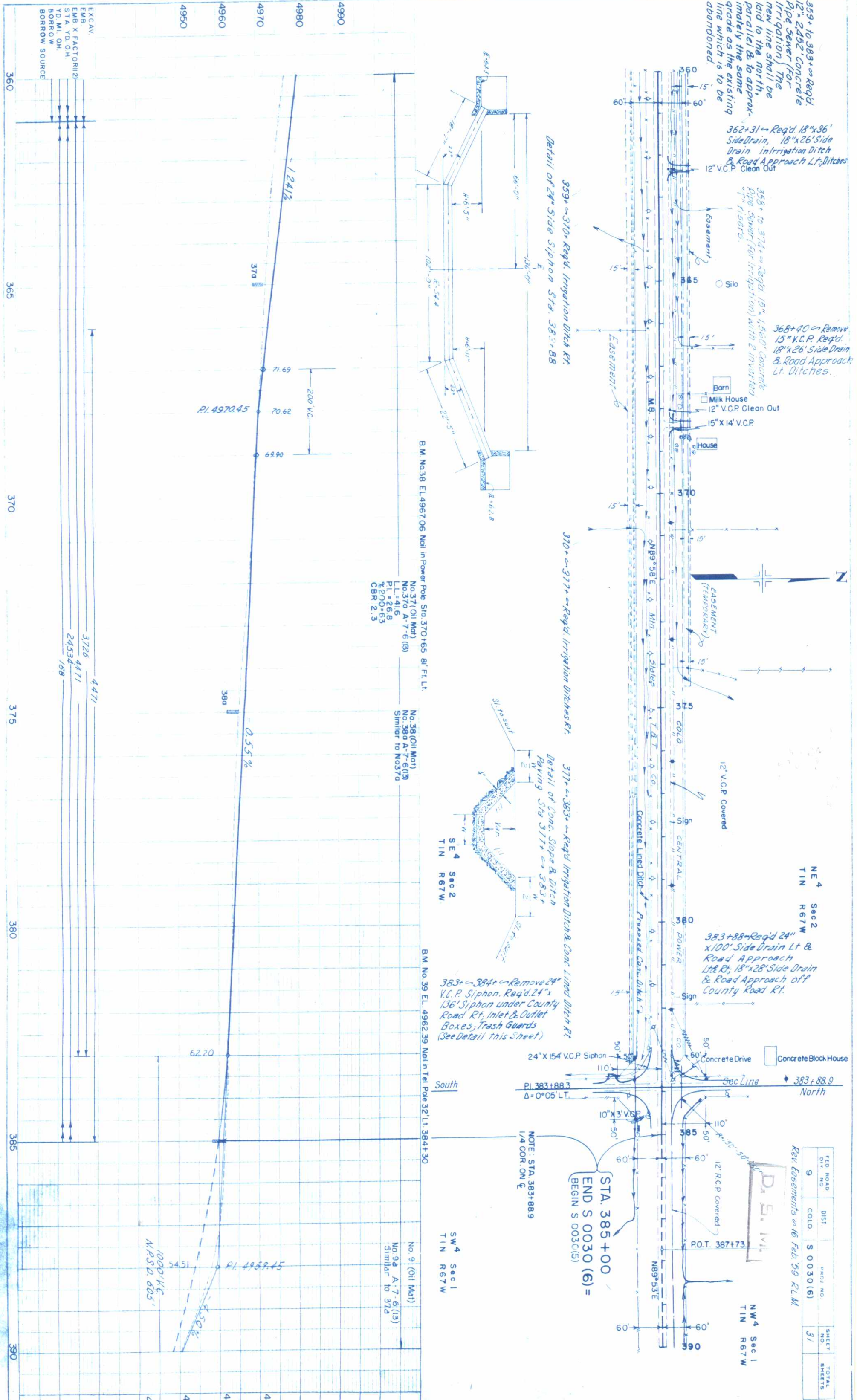
FED. ROAD DIV. NO.	DIST.	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	S 0030 (6)	29	

PROFILE	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO. 19007	CHANGES CHECKED	
19007	BY 3 NOTED	
19007	STRUCTURE NOTATIONS CHECKED	

NO. 19007	DATE
19007	
19007	
19007	



REV	DESCRIPTION	DATE
1	Rev Easements on 16 Feb. 59 R.L.M.	
2	347+ to 348+ Reg'd 15" 80' Culvert for Irrigation, Lt.	
3	348+60 Remove 12" Pipe Reg'd 18" x 32' Side Drain & Road Approach Lt.	
4	357+65 Remove 15" V.C.P. Reg'd 18" x 30' Side Drain & Road Approach Lt.; Ditches	
5	357+85 Remove 15" V.C.P. Reg'd 18" x 26' Side Drain & Road Approach Rt.; Ditches	
6	359+35 Remove Bridge. Reg'd 10' x 6' x 46' C.B.C. (Type 10A)	
7	359+72 Reg'd Road Approach Rt.	
8	358+ Reg'd Concrete Headwall with 15" Slide Headgate (6' Frame) with 15" x 4' C.M.P. & Concrete Collar Lt. (See details sh. #2)	
9	359+ Reg'd Concrete Headwall with 12" Slide Headgate (6' Frame) with 12" x 4' C.M.P. & Concrete Collar Lt. (See details sh. #2)	



359+ to 383+ on Reg'd. 12" x 24" Concrete Pipe Sewer (for Irrigation). The new line shall be laid to the north, parallel to the existing line which is to be abandoned.

362+31 - Reg'd. 18" x 36" Side Drain, 18" x 26" Side Drain in Irrigation Ditch & Road Approach Lt. Ditches 12" V.C.P. Clean Out

358+ to 374+ on Reg'd. 15" x 15" Concrete Pipe Sewer (for Irrigation) with 2 inverted 12" V.C.P. Clean Out

368+40 - Remove 15" V.C.P. Reg'd. 18" x 26" Side Drain & Road Approach Lt. Ditches.

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