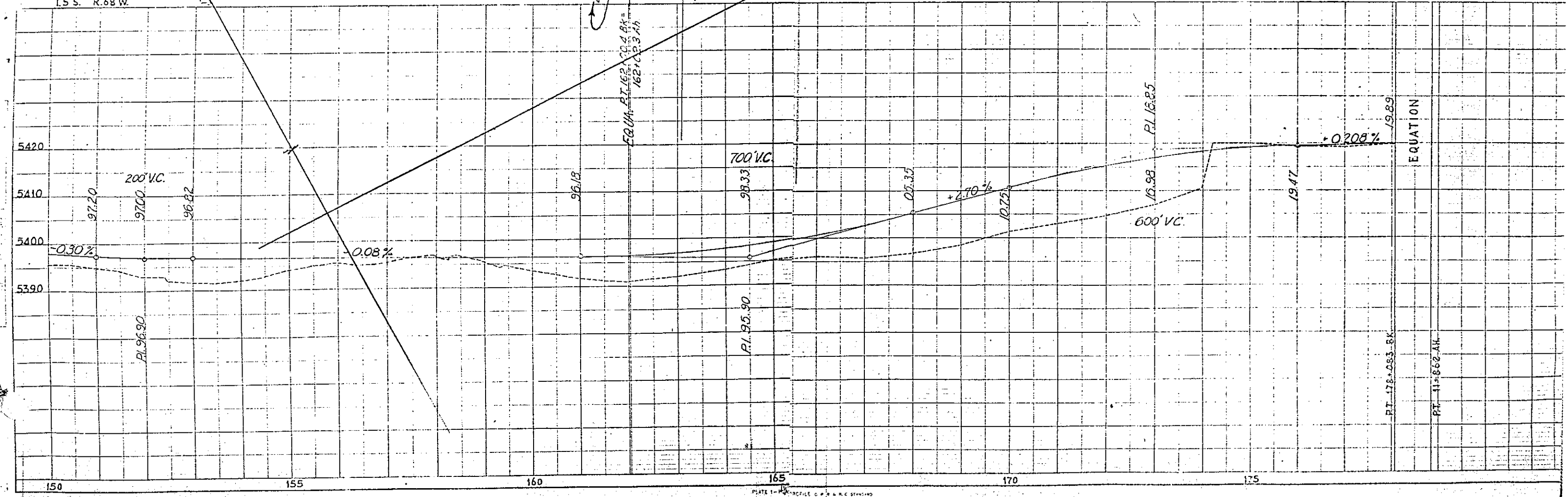
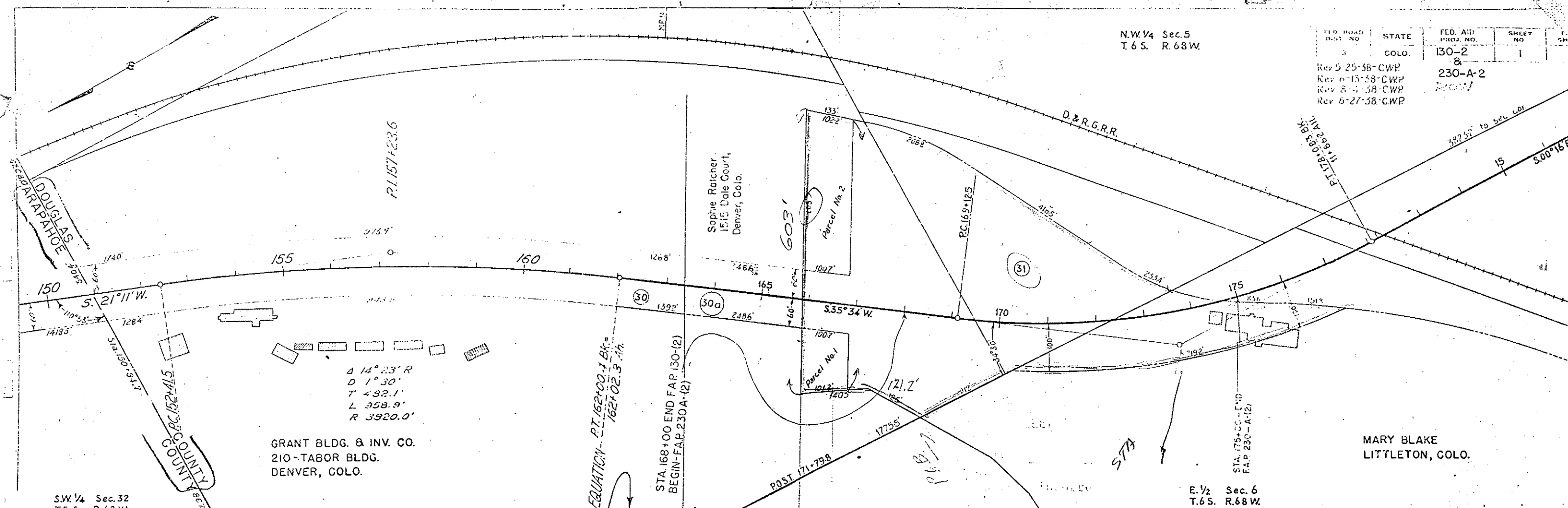


N.W. 1/4 Sec. 5
T. 6 S. R. 68 W.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	T. 5th
3	COLO.	130-2	1	
Rev 5-25-38-CWP				
Rev 6-15-38-CWP				
Rev 8-1-38-CWP				
Rev 6-27-38-CWP				
230-A-2				



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	10-2	2	2

Rev 5-25-38 CWP

N.W. ¼ SEC. 32
T.5S. R.68W.

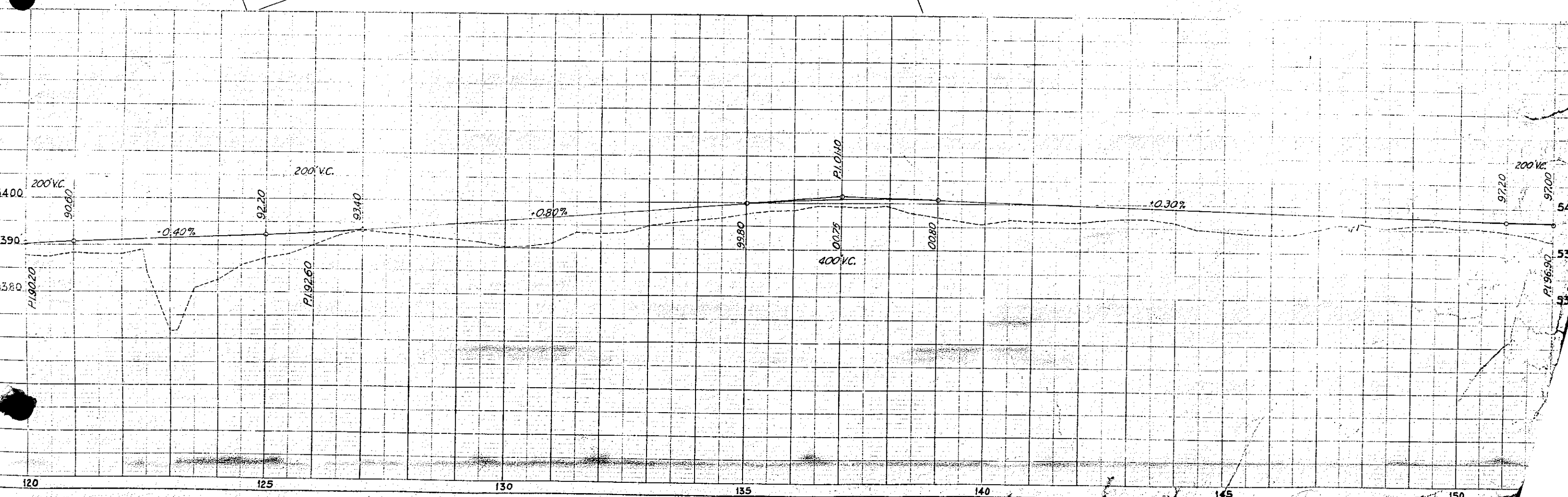
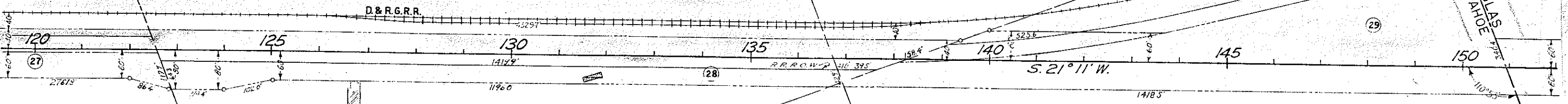
SW ¼ SEC. 32
T.5S. R.68W.

DENVER & RIO GRANDE WESTERN RAILROAD
EQUITABLE BUILDING
DENVER, COLO.

FRANK B. BOWMAN, ESTATE
½ HENRY KRAFT
LITTLETON, COLO.

CHARLES E. PHILLIPS
909 - SHARP BLDG.
KANSAS CITY, MO.

GRANT BLDG. & INV. CO.
210 - TABOR BLDG.
DENVER, COLO.



N.W. 1/4 Sec. 32
T.5S R.68W.

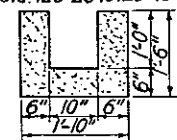
SW 1/4 Sec. 32
T.5S R.68W.

FED. ROAD DIST. NO.	STATE	F.A. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	130(2)	50	
Rev. 9, 8, '38 H.M.H.		Rev. 3-20-39 H.J.S. fence & trees		

Sta 120+50-122+25-Req'd-18"x150' C.M.P.
Sd Dr. Lt. & 200 Cu Yds. Embank
for Rd Appr. Lt.

Sta 121+71-122+46-Req'd- 75 lin. Ft. Metal Plate Guard Fence Lt.
Sta 121+99-122+74- " 75 " " " " " " Rt.
Sta 123+22-124+22- " 100 " " " " " " Lt.
Sta 123+50-124+75- " 125 " " " " " " Rt.

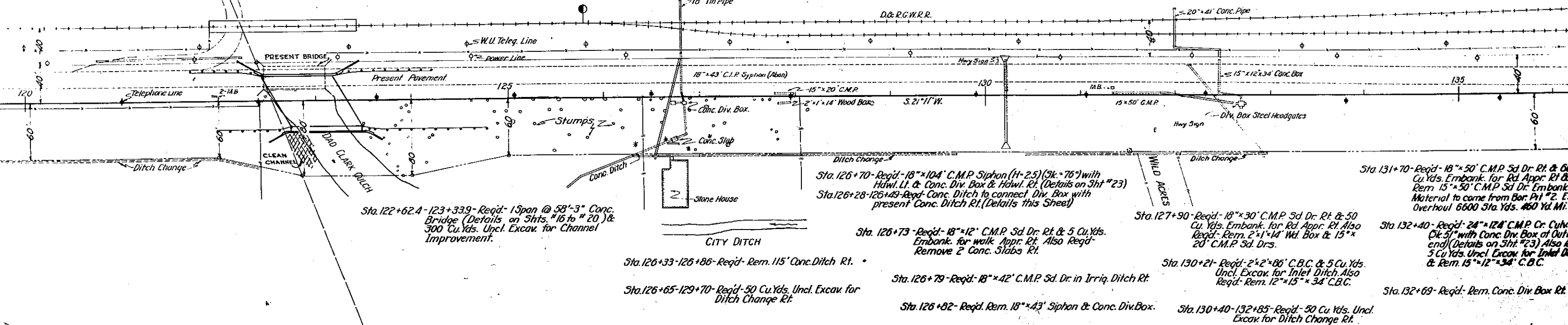
DETAILS OF CONC. DITCH
Sta. 125+28 to 126+49



15 Cu Yds. Cl. "A" Conc.

18" Tin Pipe

D. & R. G. W. R. R.



Sta. 122+62.4-123+33.9-Req'd- 13 span @ 58'-3" Conc.
Bridge (Details on Shts. #16 to #20) &
300 Cu Yds. Uncl. Excav. for Channel
Improvement.

Sta. 126+70-Req'd-18"x104' C.M.P. Siphon (H-25) (3k=76") with
Hawl. Lt. & Conc. Div. Box & Hawl. Rt. (Details on Sht #23)
Sta. 126+28-126+49-Req'd- Conc. Ditch to connect Div. Box with
present Conc. Ditch Rt. (Details this Sheet)

Sta. 126+73-Req'd-18"x12' C.M.P. Sd Dr. Rt. & 5 Cu Yds.
Embank. for walk Appr. Rt. Also Req'd-
Remove 2 Conc. Slabs Rt.

Sta. 126+79-Req'd-18"x42' C.M.P. Sd Dr. in Irrig. Ditch Rt.

Sta. 126+82-Req'd. Rem. 18"x43' Siphon & Conc. Div. Box.

Sta. 127+90-Req'd-18"x30' C.M.P. Sd Dr. Rt. & 50
Cu Yds. Embank. for Rd. Appr. Rt. Also
Req'd- Rem. 2'x1'x14' Wd. Box & 15'x
20' C.M.P. Sd Drs.

Sta. 130+21-Req'd-2'x2'x86' C.B.C. & 5 Cu Yds.
Uncl. Excav. for Inlet Ditch. Also
Req'd- Rem. 12'x15'x34' C.B.C.

Sta. 130+40-132+85-Req'd- 50 Cu Yds. Uncl.
Excav. for Ditch Change Rt.

Sta. 131+70-Req'd-18"x50' C.M.P. Sd Dr. Rt. & 60
Cu Yds. Embank. for Rd. Appr. Rt. &
Rem. 15'x50' C.M.P. Sd Dr. Embank.
Material to come from Bor. Pit #2. Es
Overhaul 6600 Sta. Yds. 460 Yd. Mi.

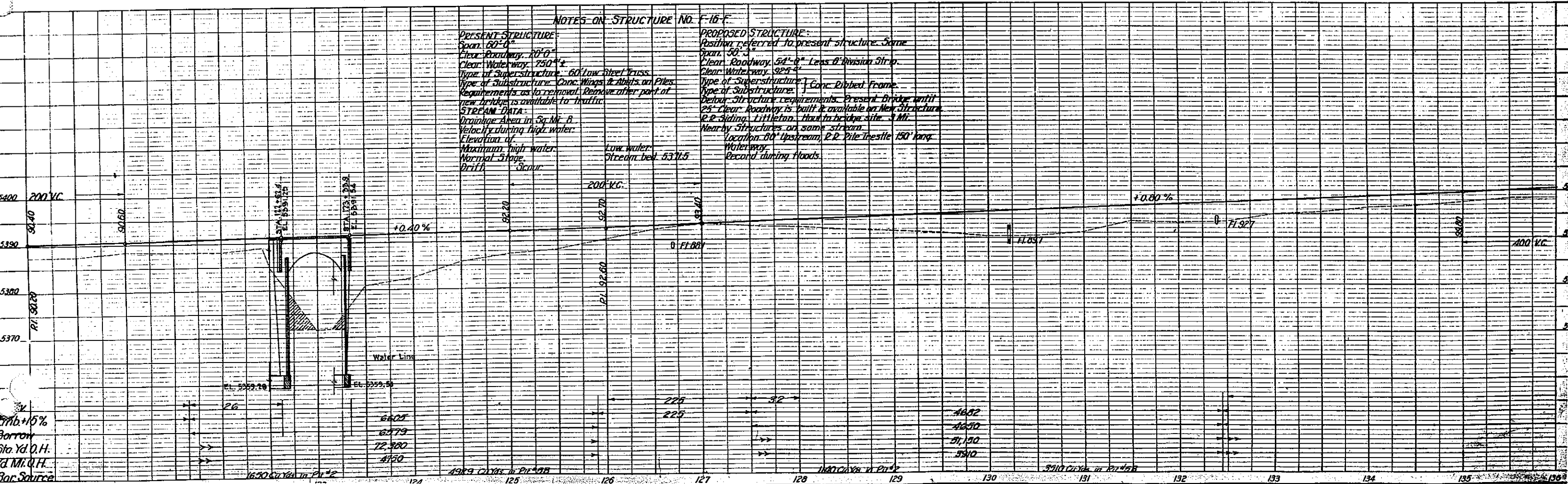
Sta. 132+40-Req'd- 24"x124' C.M.P. Cr. Culv.
Ok. 5' with Conc. Div. Box at Outlet
end (Details on Sht. #23) Also &
5 Cu Yds. Uncl. Excav. for Inlet Ditch
& Rem. 15'x12'x34' C.B.C.

Sta. 132+69-Req'd- Rem. Conc. Div. Box Rt.

NOTES ON STRUCTURE NO. F-16-F

PRESENT STRUCTURE
Span 60'-0"
Clear Roadway 20'-0"
Clear Waterway 75'-0"
Type of Superstructure 60' Low Steel Truss
Type of Substructure Conc. Wings & Abutts on Piles
Requirements as to removal Remove after part of
new bridge is available to traffic
STRAIN DATA
Drainage Area in Sq. Mi. 8
Velocity during high water
Elevation of
Maximum high water
Normal Stage
Drift Scour

PROPOSED STRUCTURE
Position referred to present structure Same
Span 50'-0"
Clear Roadway 54'-0" Less 0' Division Strip
Clear Waterway 92'-0"
Type of Superstructure Conc. Ribbed Frame
Type of Substructure
Detail Structure requirements Present Bridge until
25' Clear Roadway is built & available on New Structure
R.R. Siding Littleton, thence to bridge site 3 Mi.
Nearby Structures on same stream
Location 60' upstream R.R. Pile trestle 150' long
Waterway
Record during floods



11%+15%
Borrow
Sta. Yd. O.H.
Yd. Mi. O.H.
Bar Source

S.W. 1/4 Sec. 32
T.5S. R.68 W.

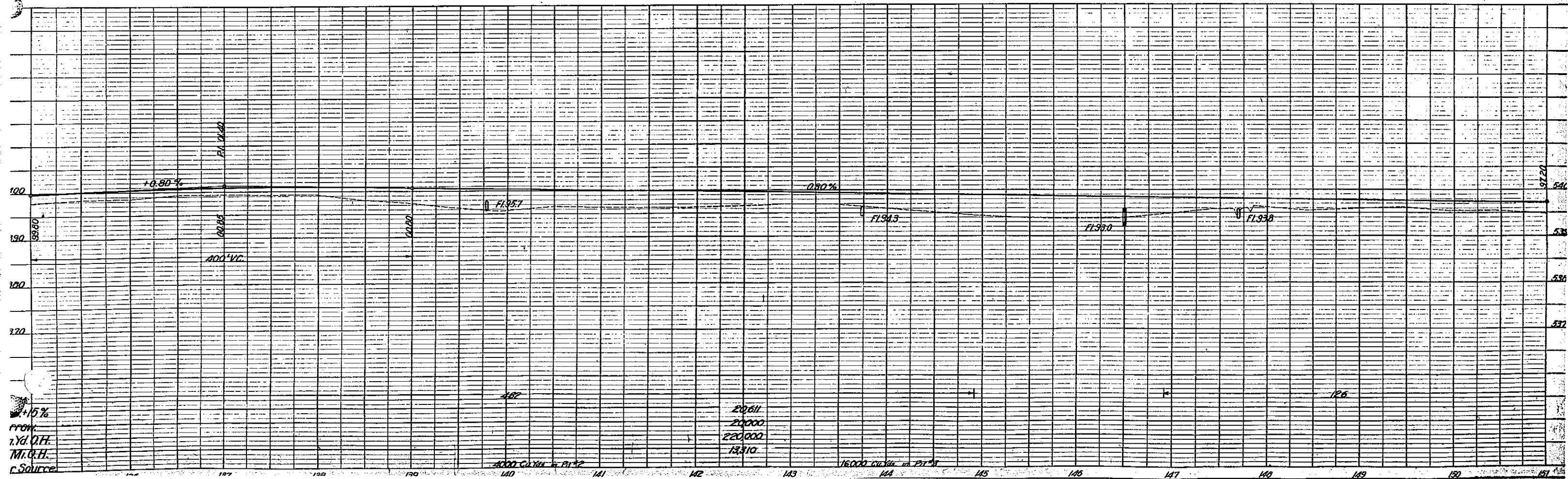
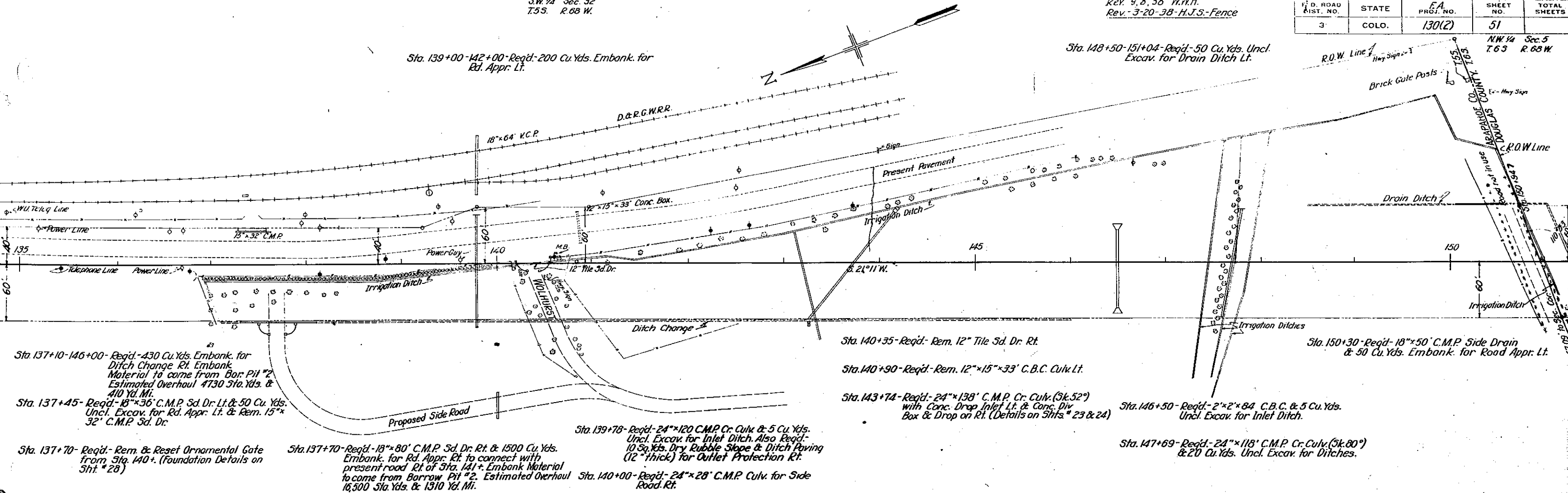
Rev. 9, 8, 38 W.H.H.
Rev. 3-20-38 H.J.S.-Fence

F.D. ROAD DIST. NO.	STATE	F.A. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	130(2)	51	

N.W. 1/4 Sec. 5
T.6S. R.68 W.

Sta. 139+00-142+00-Reqd. 200 Cu. Yds. Embank. for Rd. Appr. Lt.

Sta. 148+50-151+04-Reqd. 50 Cu. Yds. Uncl. Excav. for Drain Ditch Lt.



NW 1/4 Sec. 5
T.63. R.68 W.

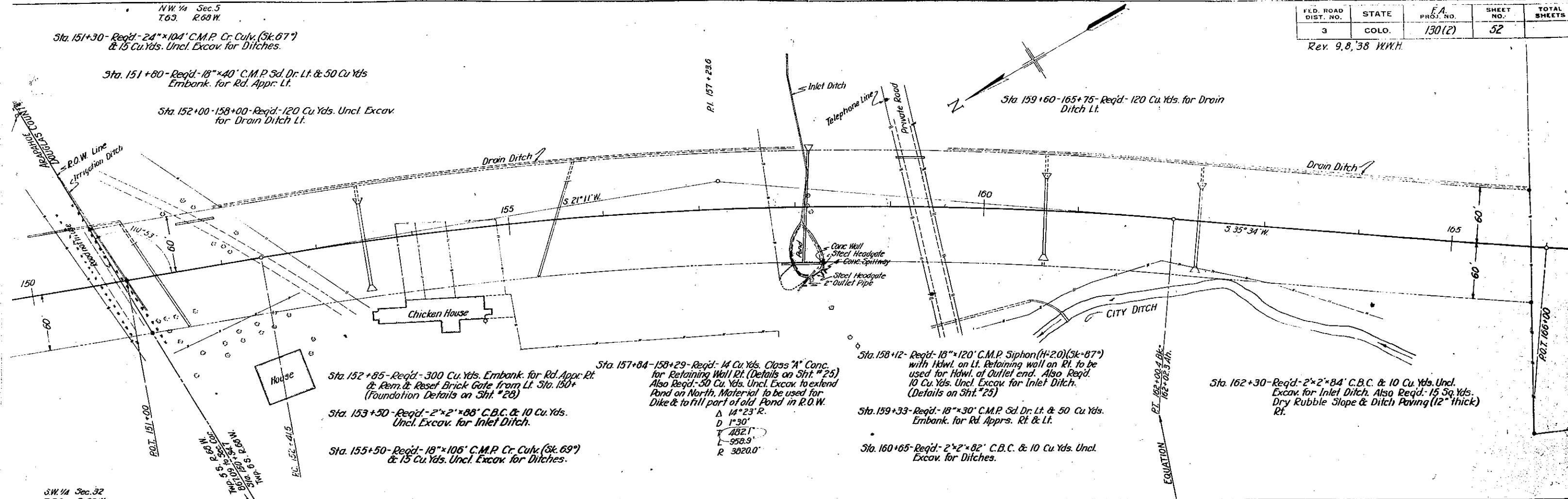
Sta. 151+30 - Req'd. 24" x 104' C.M.P. Cr. Culv. (Sk. 67)
& 15 Cu. Yds. Uncl. Excav. for Ditches.

Sta. 151+80 - Req'd. 18" x 40' C.M.P. Sd. Dr. Lt. & 50 Cu. Yds.
Embank. for Rd. Appr. Lt.

Sta. 152+00 - 158+00 - Req'd. 120 Cu. Yds. Uncl. Excav.
for Drain Ditch Lt.

FED. ROAD DIST. NO.	STATE	F.A. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	130(2)	52	

Rev. 9.8.38 W.W.H.



SW 1/4 Sec. 32
T.53. R.68 W.

