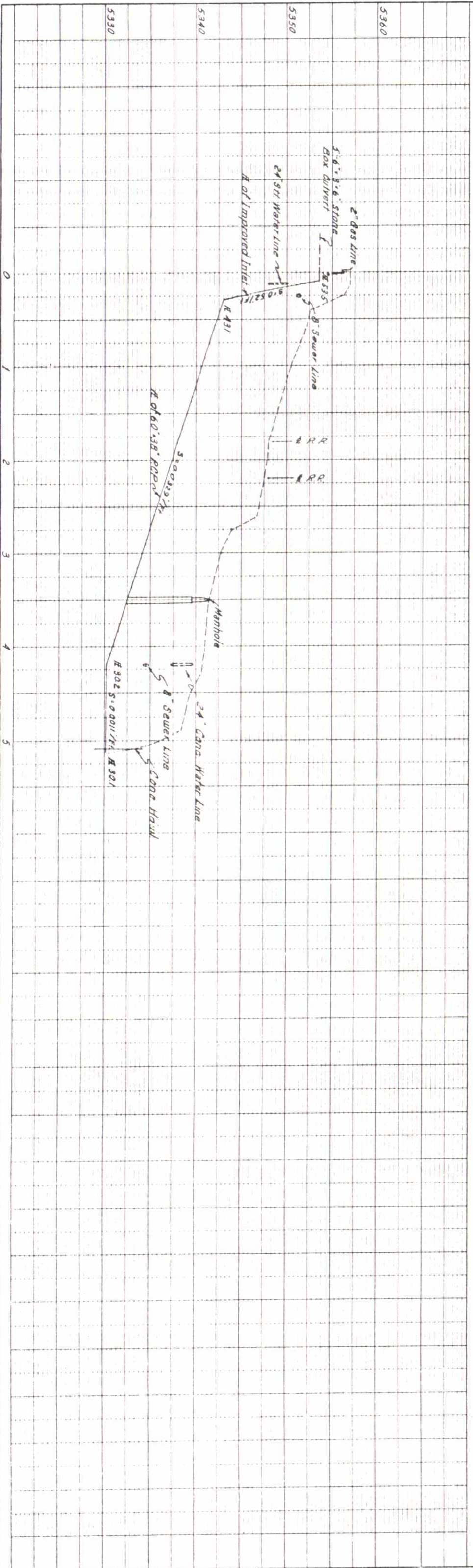
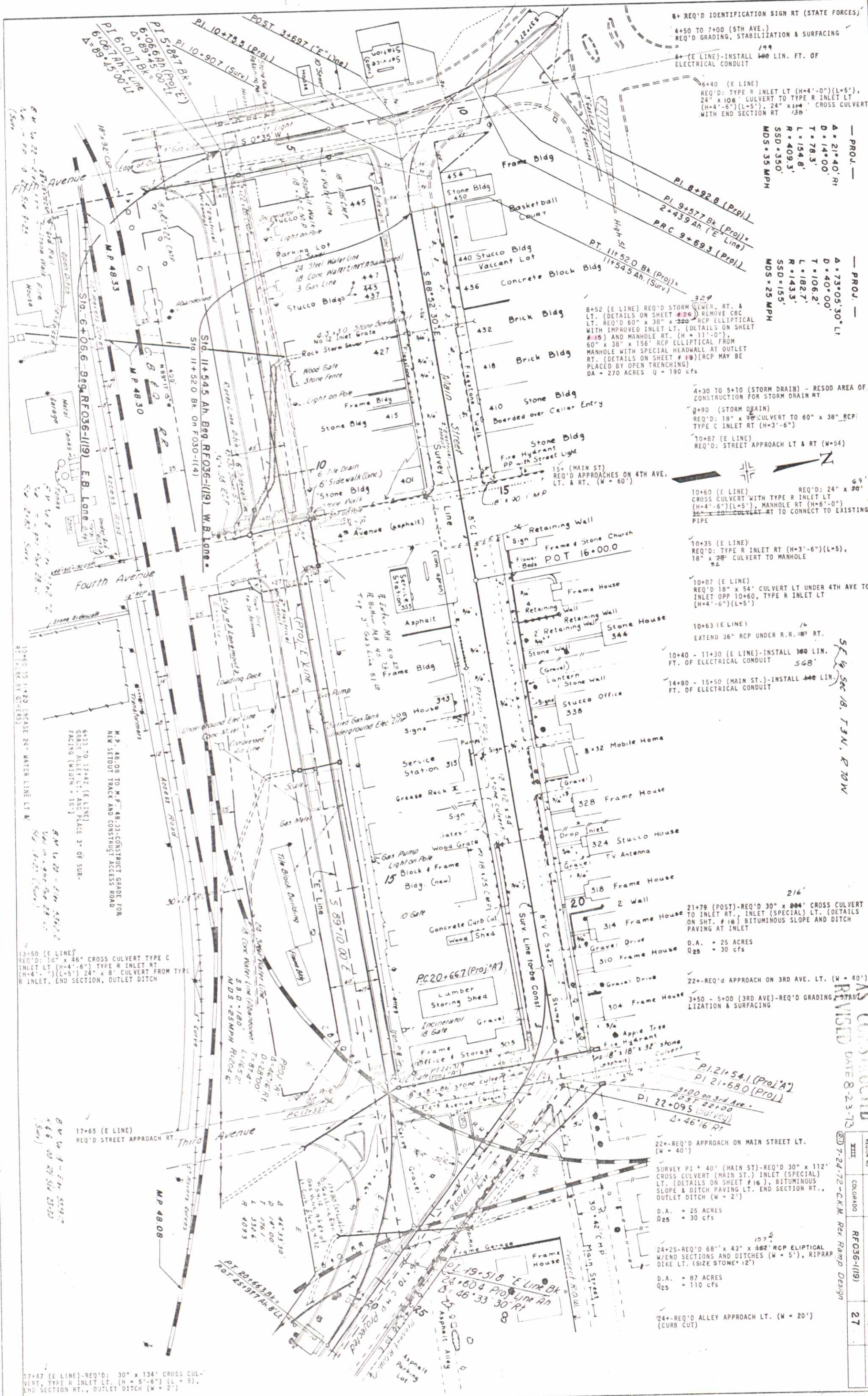




|           |                            |    |      |
|-----------|----------------------------|----|------|
| PROFILE   | NAME                       | BY | DATE |
|           | PL. TISS                   |    |      |
| NOTE BOOK | GRADUATE CHEMIST           |    |      |
|           | P. W. - 10/1/77            |    |      |
| No.       | MULTIPLE NOTATIONS CARRIED |    |      |

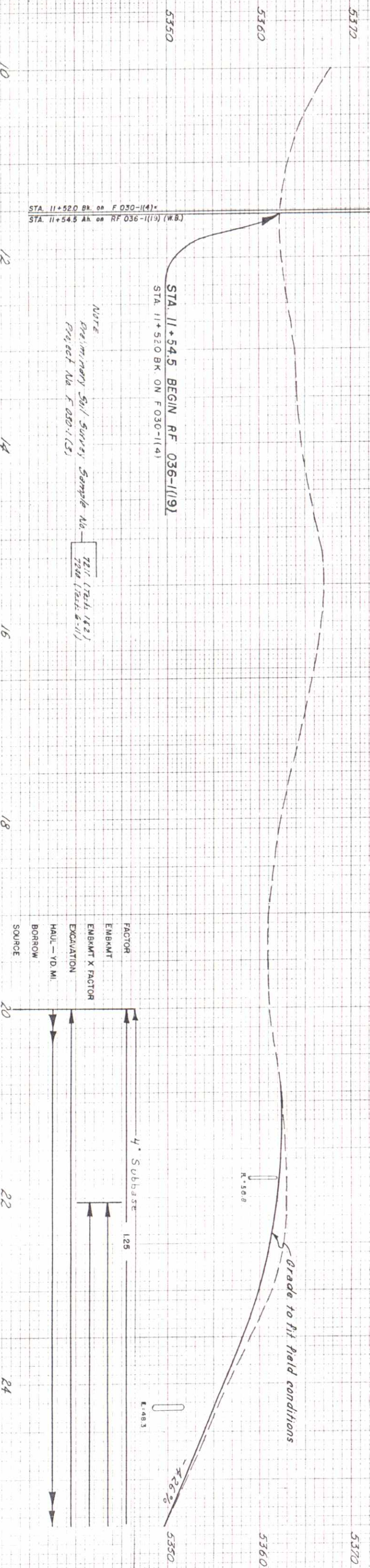


AS CONSTRUCTED  
REVISED DATE 8-23-73

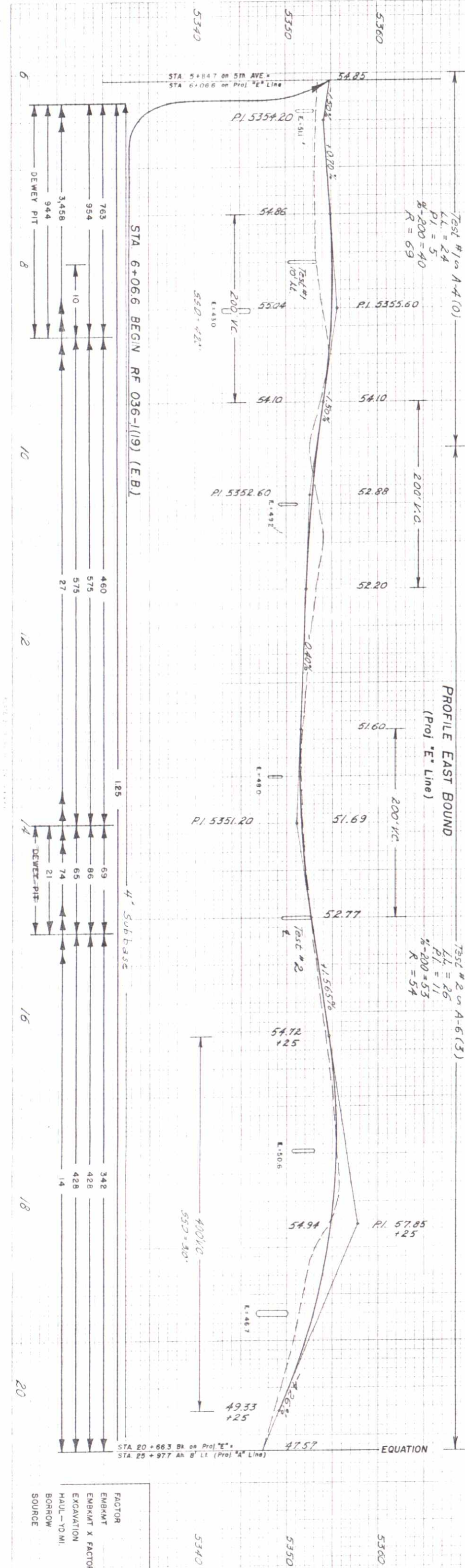


PROFILE WEST BOUND  
(Main St.)

AS CONSTRUCTED  
REVISED DATE 8-23-73



PROFILE EAST BOUND  
(Proj "E" Line)



PLAN  
2831/0  
2832/0

BM No 18 - 5348.69  
Nail in tree 80 ft.  
Sta. 25+80

26+70-REQ'D 18" x 36" CROSS CULVERT WITH  
TYPE R INLET LT. (H = 4'-0") (L = 10'), END  
SECTION AND OUTLET DITCH RT.

33+00 + 30+85 - ENCASE 24" WATER LINE UNDER R.R.  
R. (WORK BY OTHERS)  
31+15 - RAISE EXISTING INSPECTION BOX TO GRADE  
RT. (WORK BY OTHERS)

BM No 17 - 5337.73  
Hfg 80 ft Sta 28+90

30+00-REQ'D 36" x 36" CROSS CULVERT WITH  
END SECTION AND INLET DITCH LT., TYPE R  
INLET RT. (H = 6'-0") (L = 15'), 36" x 36"  $\theta$   
CULVERT RT. TO CONNECT TO 48" SIDE DRAIN

D.A. = 45 ACRES  
Q25 = 57 cfs

31+00-REQ'D 48" SIDE DRAIN W/END SEC-  
TIONS, RIPRAP AT INLET AND OUTLET AND ROAD  
APPROACH, RT. (DETAIL ON SHEET NO 3) (W-9)

BM No 16 - 5327.55  
Hfg 60 ft Sta 31+90

37+16 31  
36+47 REQ'D 18" x 36" CROSS CULVERT TO  
68" x 43" SIDE DRAIN RT, TYPE R INLET,  
LT. (H = 4'-0") (L = 15')

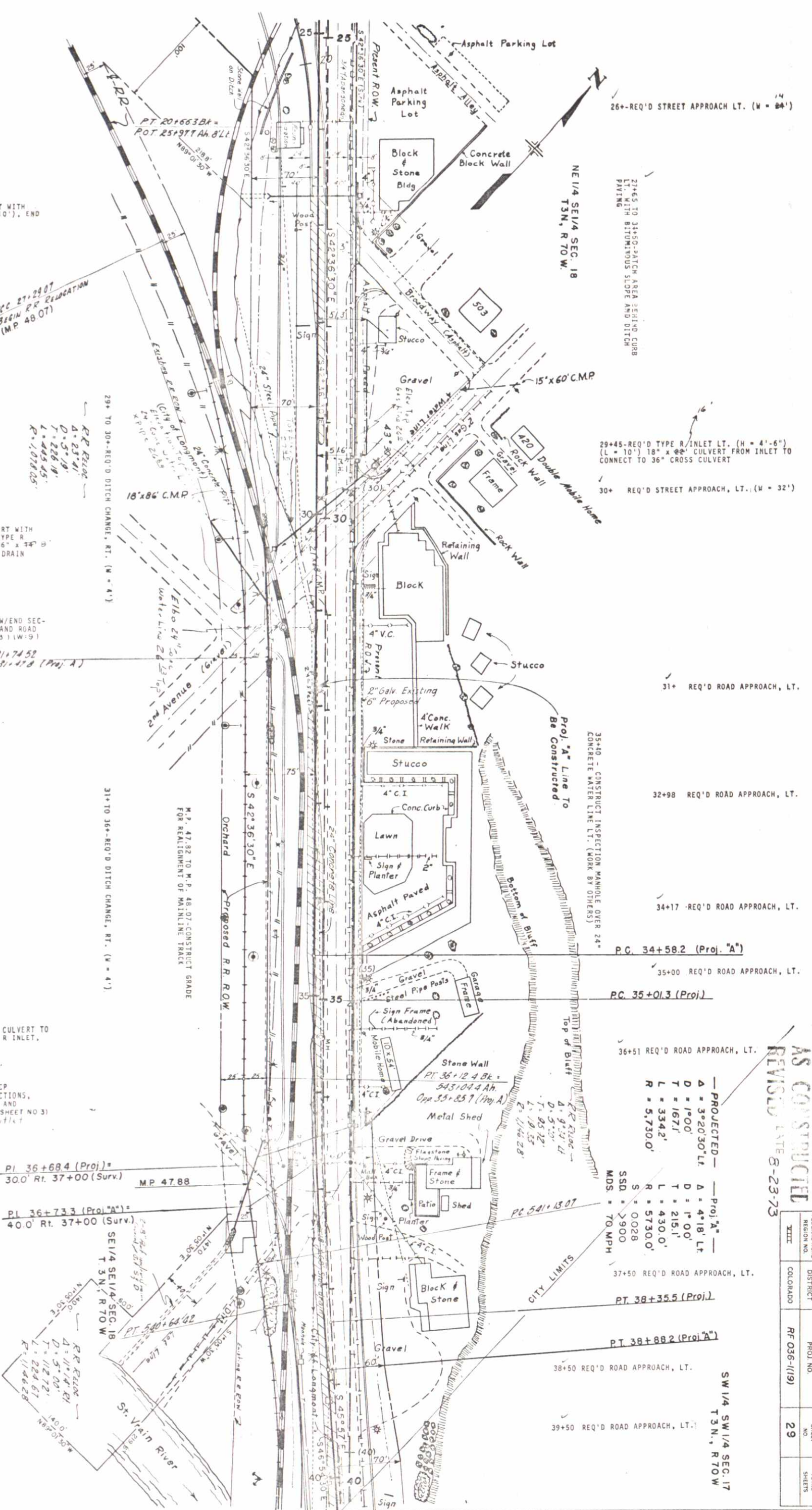
37+00 REQ'D 68" x 43" x 36" RCP  
ELLIPTICAL SIDE DRAIN W/END SECTIONS,  
OUTLET DITCH, RIPRAP AT OUTLET AND  
ROAD APPROACH, RT. (DETAIL ON SHEET NO 3)  
(W-9) Riprap at Ditch Outlet

BM No 15 - 5317.44  
Nail in TP 59' Rt  
Sta 36+08

PI 36+68.4 (Proj.)  
30.0' Rt. 37+00 (Surv.)

PI 36+73.3 (Proj.)  
40.0' Rt. 37+00 (Surv.)

39+83 - CONSTRUCT INSPECTION MANHOLE OVER 24"  
CONCRETE WATER LINE RT. (WORK BY OTHERS)



26+70-REQ'D STREET APPROACH LT. (W = 24')

NE 1/4 SEC. 18  
T3N, R70W.

27+65 TO 31+50 PATCH AREA REPAIR CURB  
WITH BITUMINOUS SLOPE AND DITCH  
PAVING

29+45-REQ'D TYPE R INLET LT. (H = 4'-6")  
(L = 10') 18" x 36" CULVERT FROM INLET TO  
CONNECT TO 36" CROSS CULVERT

30+ REQ'D STREET APPROACH, LT. (W = 32')

31+ REQ'D ROAD APPROACH, LT.

32+98 REQ'D ROAD APPROACH, LT.

34+17 REQ'D ROAD APPROACH, LT.

P.C. 34+58.2 (Proj. "A")

35+00 REQ'D ROAD APPROACH, LT.

P.C. 35+01.3 (Proj.)

36+51 REQ'D ROAD APPROACH, LT.

— PROJECTED — — Proj. "A" —  
Δ = 3°20'30" Lt. Δ = 4°18' Lt.  
D = 1°00' D = 1°00'  
T = 167.1 T = 215.1  
L = 334.2 L = 430.0  
R = 5,730.0 R = 5730.0  
SSD = 0.028  
SSD = 0.900  
MDS = 70 MPH

37+50 REQ'D ROAD APPROACH, LT.

P.T. 38+35.5 (Proj.)

P.T. 38+88.2 (Proj. "A")

38+50 REQ'D ROAD APPROACH, LT.

39+50 REQ'D ROAD APPROACH, LT.

SW 1/4 SW 1/4 SEC. 17  
T3N, R70W

AS CONSTRUCTED  
REVISED LATE 8-23-73

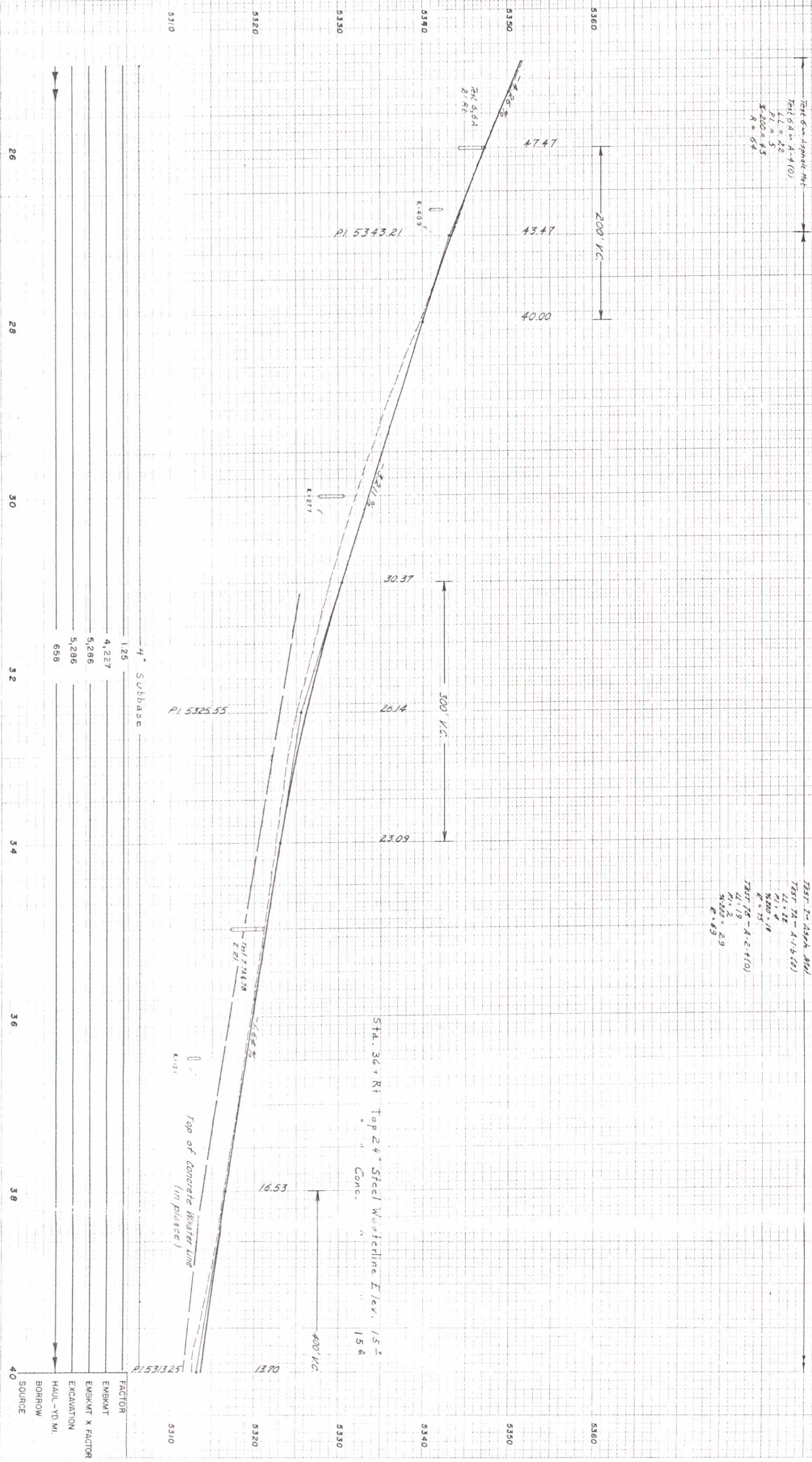
| FEDERAL ROAD DISTRICT PROJ. NO. SHEET TOTAL |
|---------------------------------------------|
| III COLORADO RF 036-1(19) 29                |

AS CONSTRUCTED  
REVISED DATE 8-23-73

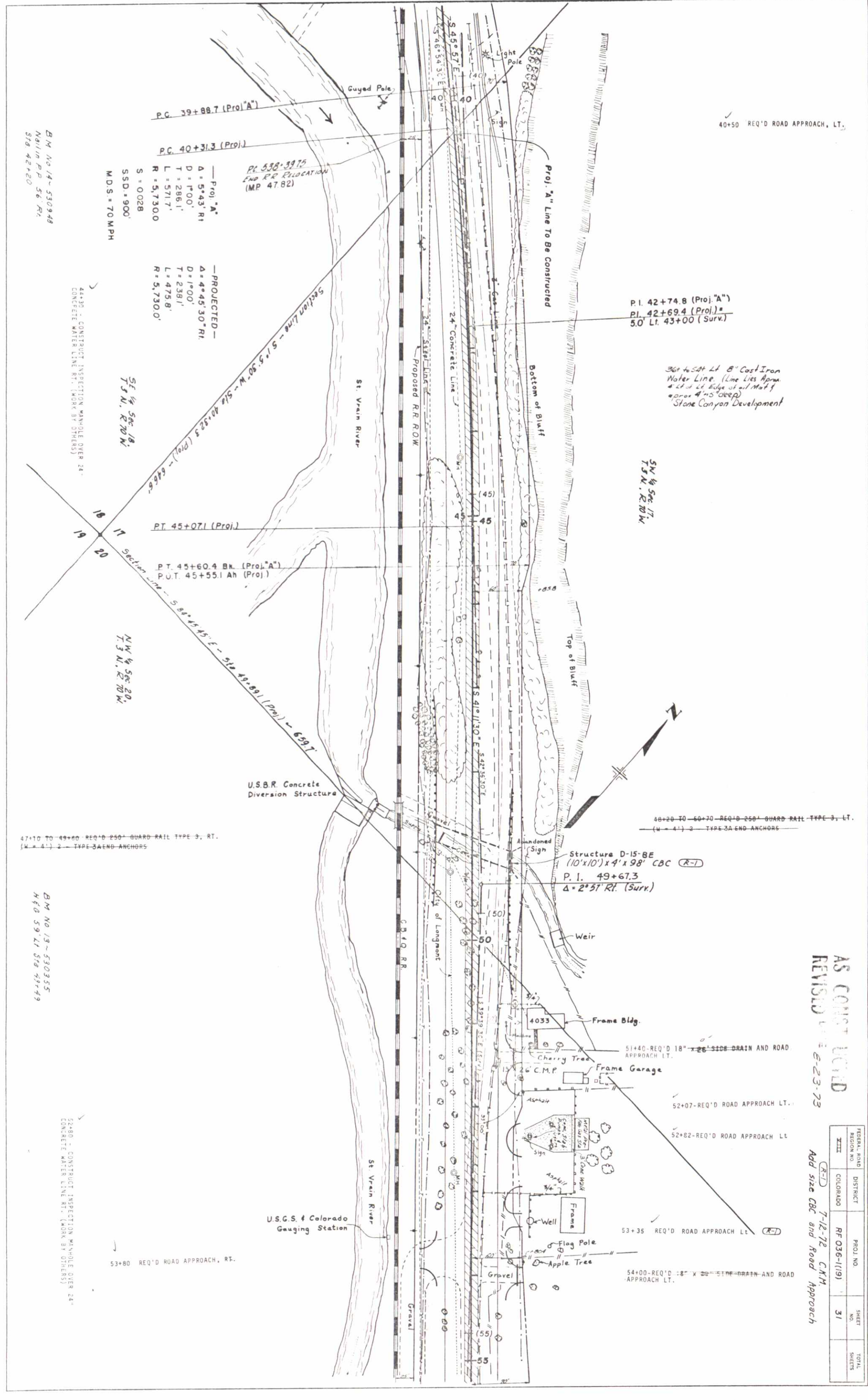
| PROJECT NO.  | SHEET NO. |
|--------------|-----------|
| RF 036-1(19) | 30        |

Test 6 in Asphalt Mat  
LL = 22  
PI = 5  
E = 200 = 4.3  
R = 64

Test 7 in Asphalt Mat  
LL = 22  
PI = 4  
E = 200 = 18  
R = 75  
Test 78 - A-2-4(10)  
LL = 19  
PI = 2  
E = 200 = 2.9  
R = 69



|            |            |                     |            |              |
|------------|------------|---------------------|------------|--------------|
| 1.25       | 4.227      | 5.286               | 5.286      | 658          |
| 4' Subbase |            |                     |            |              |
| FACTOR     | EMBANKMENT | EMBANKMENT X FACTOR | EXCAVATION | HAUL-YD. MI. |
|            |            |                     |            | BORROW       |
|            |            |                     |            | SOURCE       |



AS COMPLETED  
REVISION E-23-73

| FEDERAL ROAD DISTRICT | PROJ. NO.    | SHEET NO. | TOTAL SHEETS |
|-----------------------|--------------|-----------|--------------|
| III                   | RF 036-1(19) | 31        |              |

ADD SIZE CBC AND ROAD APPROACH

BM NO 14-530948  
Nail in P.P. 56' R.  
Sta. 42+20

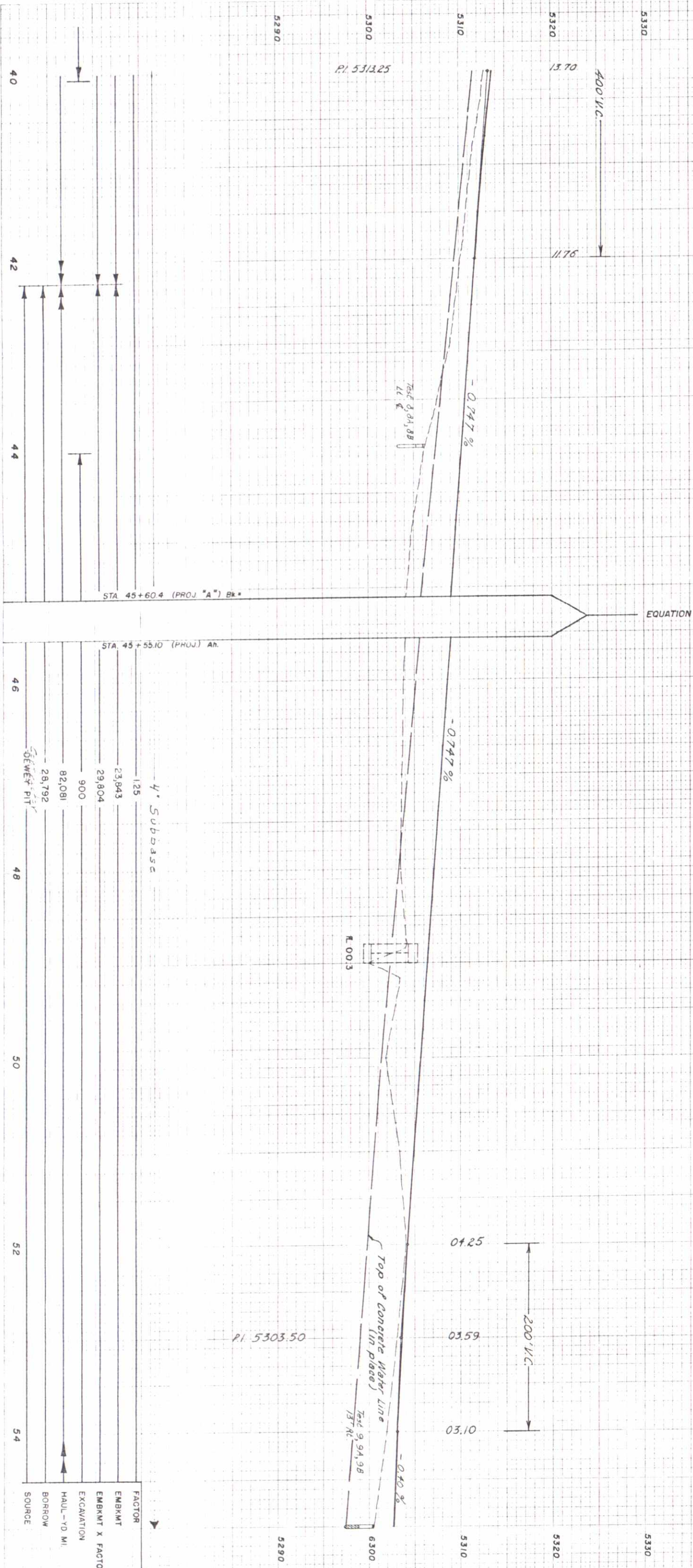
BM NO 13-530355  
Nail in P.P. 51' R.  
Sta. 49+49

42+80 - CONSTRUCT INSPECTION MANHOLE OVER 24\"/>

|                          |                          |
|--------------------------|--------------------------|
| Test No. 74 in A-1-b (0) | Test No. 78 in A-2-4 (0) |
| L.A. = 22                | L.A. = 19                |
| P.I. = 4                 | P.I. = 2                 |
| %-200 = 19               | %-200 = 29               |
| %-75 = 75                | %-75 = 59                |

TEST A - Asph. Mat.  
TEST 84 - A-1-b (0)  
Similar to 74  
R = 75  
TEST 88 - A-2-4 (0)  
Similar to 78  
R = 69

Test 9 in Asph. Mat.  
Test 94 in A-1-b (0)  
Similar to 74  
R = 75  
Test 98 in A-2-4 (0)  
Similar to 78  
R = 69



| FEDERAL ROAD DISTRICT | PROJ. NO. | SHEET NO.   | TOTAL SHEETS |
|-----------------------|-----------|-------------|--------------|
| YULE                  | COLORADO  | RF 036-1119 | 33           |

AS CONSTRUCTED  
REVISED 8-23-73

55+12-REQ'D 18" x 30" SIDE DRAIN AND ROAD APPROACH LT.  
55+70-REQ'D 18" x 30" SIDE DRAIN AND ROAD APPROACH LT.

56+35-REQ'D ROAD APPROACH LT.

57+55-REQ'D 18" x 48" SIDE DRAIN AND ROAD APPROACH LT.

58+50-REQ'D 18" x 48" SIDE DRAIN AND ROAD APPROACH LT.

— PROJECTED —  
Δs = 24°15' Lt.  
Ts = 396.8'  
Ds = 9°15'  
De = 5°00'  
Te = 92.7'  
Le = 185.0'  
Re = 1,146.0'  
SSD = 680  
S = 0.08' O.C.  
MDS = 60MPH

61+30-REQ'D ROAD APPROACH LT.  
61+30-REQ'D ROAD APPROACH LT.  
61+30-REQ'D ROAD APPROACH LT.

62+87-REQ'D ROAD APPROACH LT & RT.

56+45-REQ'D 68" x 43" x 144" CROSS CULVERT W/END SECTIONS, OUTLET DITCH (W-4')  
D.A. = 320 Acres  
Q25 = 100 cfs

57+10 - ENCASE 100' OF EXISTING SIPHON, 43" LT. AND 57" RT. (DETAILS ON SHEET NOS. 17 & 18).

58+15 45" x 9" x 120" RCCP Cross Culvert & Outlet Ditch

59+20-REQ'D 68" x 43" x 138" CROSS CULVERT W/END SECTIONS, DITCHES (W-4')  
D.A. = 320 Acres  
Q25 = 100 cfs

PI. 59+25.7 (Proj.) = 500' Rt 59+500 (Surv.)

59+25 REQ'D 45" x 29" x 48" SIDE DRAIN RT. OUTLET DITCH

60+55 REQ'D ROAD APPROACH RT.

60+95-REQ'D 8" x 4" x 112" CBC (TYPE 8A) CHANNEL IMPROVEMENT (W-12')  
D.A. = 960 Acres  
Q25 = 300 cfs

61+Rt. 5' 48" x 30" RCCP CL-2 Under Rail Road Rt

1/4 Sec 20, T3N, R70W

62+87-REQ'D ROAD APPROACH LT & RT.

TS. 63+86.1 (Proj.)

65+30-REQ'D ROAD APPROACH RT.

SC. 66+86.1 (Proj.)

67+50-REQ'D ROAD APPROACH RT.

CS. 67+77.4 (Proj.)

68+50-REQ'D ROAD APPROACH RT.

PI. 67+34.2 (Proj.) = 6.3' Lt. 67+65.0 (Surv.)

PI. 68+62.0 Δ = 15°31' Rt. (Surv.)

68+02 - CONSTRUCT INSPECTION MANHOLE OVER 24" CONCRETE WATER LINE LT. (WORK BY OTHERS)

68+10-5296.46  
Ts = 7°30'  
Ls = 300.0'  
Lt = 200.2'  
St = 100.2'

68+10-5296.46  
Ts = 7°30'  
Ls = 300.0'  
Lt = 200.2'  
St = 100.2'

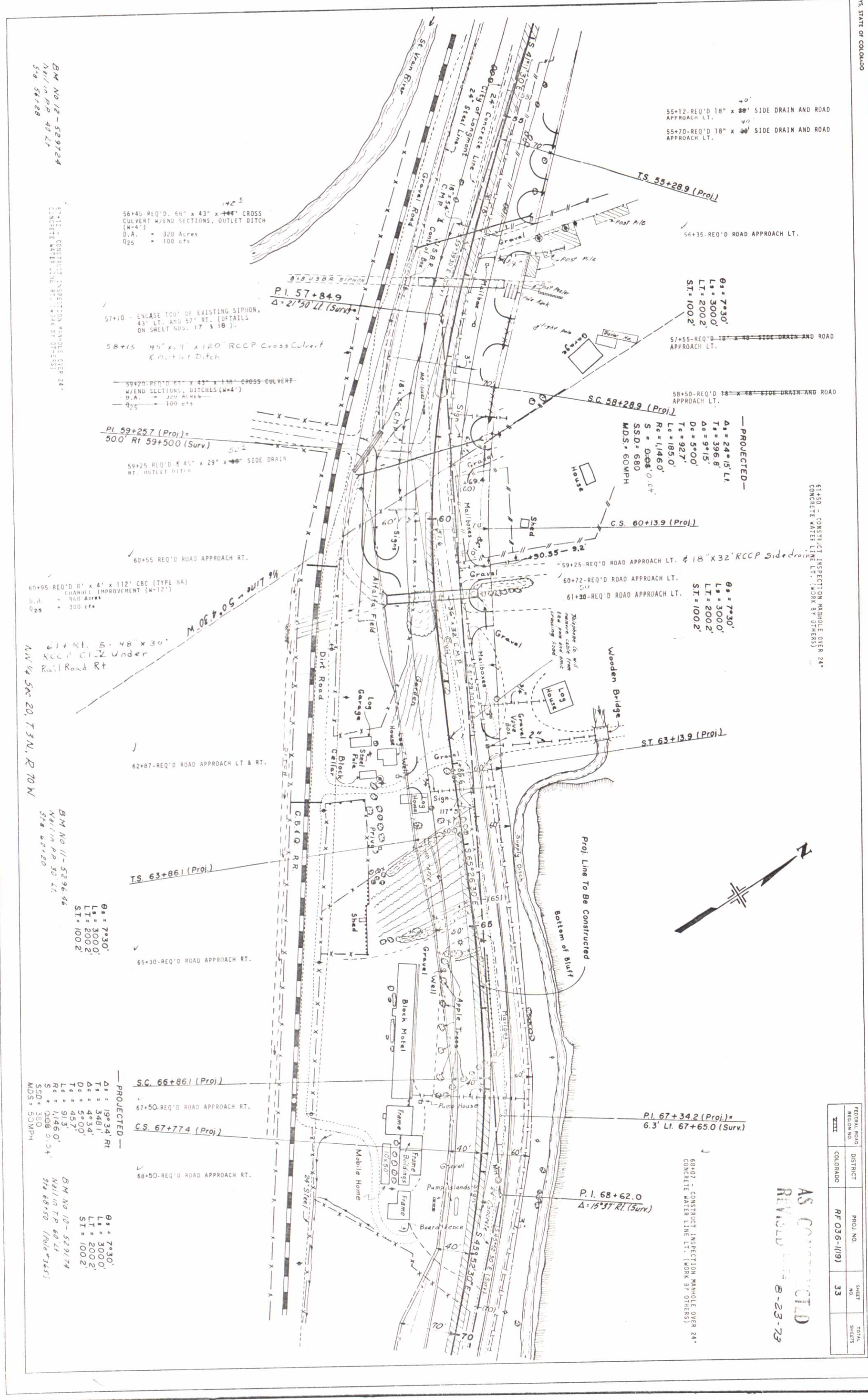
68+10-5296.46  
Ts = 7°30'  
Ls = 300.0'  
Lt = 200.2'  
St = 100.2'

68+10-5296.46  
Ts = 7°30'  
Ls = 300.0'  
Lt = 200.2'  
St = 100.2'

68+10-5296.46  
Ts = 7°30'  
Ls = 300.0'  
Lt = 200.2'  
St = 100.2'

68+10-5296.46  
Ts = 7°30'  
Ls = 300.0'  
Lt = 200.2'  
St = 100.2'

68+10-5296.46  
Ts = 7°30'  
Ls = 300.0'  
Lt = 200.2'  
St = 100.2'



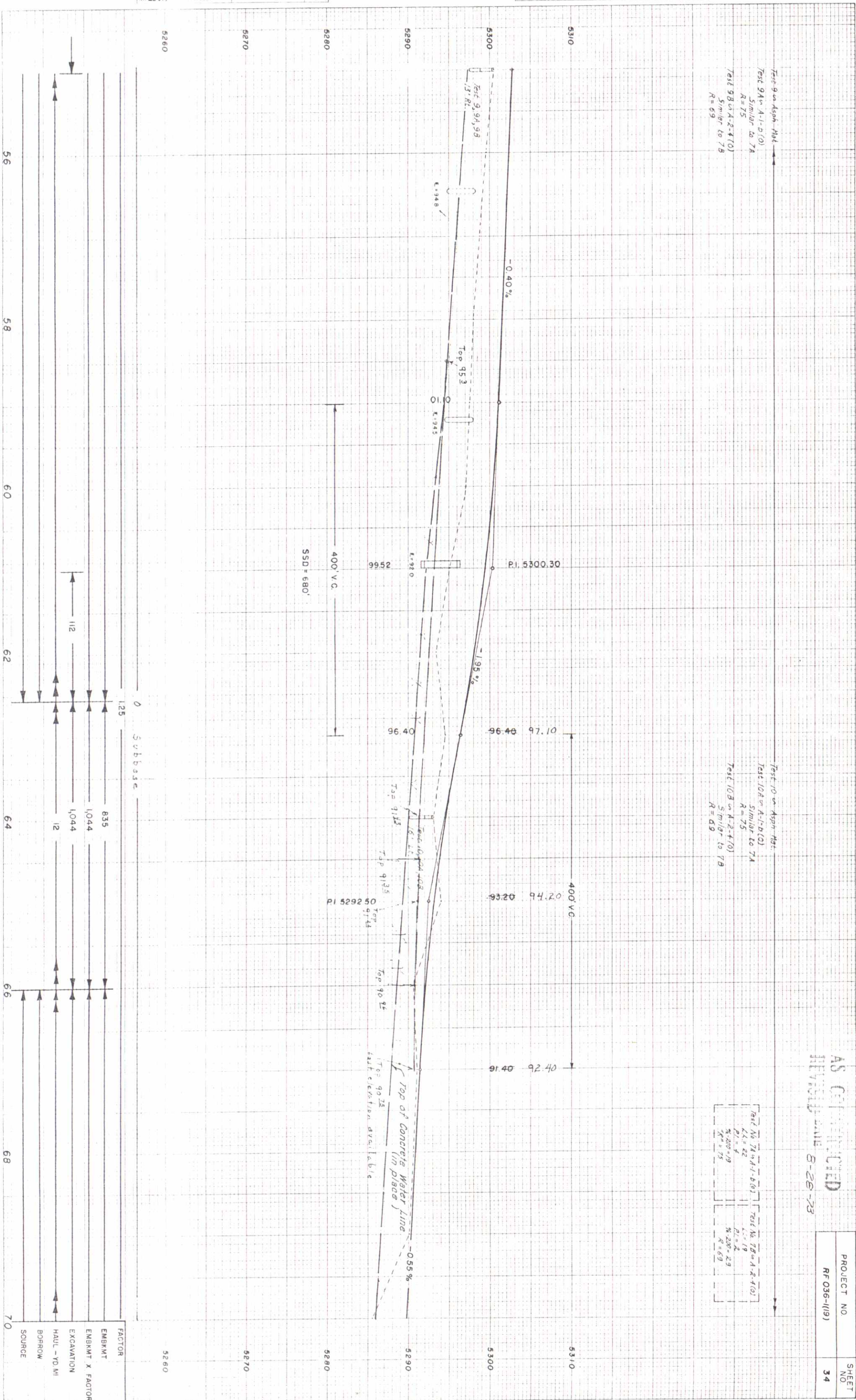
|                  |  |  |
|------------------|--|--|
| OPICING:         |  |  |
| SURVEY:          |  |  |
| DATE:            |  |  |
| by: <b>283/9</b> |  |  |

Test 10 in Aspin Hat.  
Test 10A or A-1-b(0)  
Similar to 7A  
 $R = 75$   
Test 10B or A-2-t(0)  
Similar to 7B  
 $R = 69$

$\epsilon_{Na} = 78 \text{ mV}$   
 $\epsilon_{K} = 19 \text{ mV}$   
 $R_L = 2$   
 $\% \Delta V = 29$   
 $R = 69$

PROJECT NO.  
RF 036-1(19)

|           |    |
|-----------|----|
| SHEET NO. | 34 |
|-----------|----|



| FEDERAL ROAD<br>REGION NO. | DISTRICT | PROJ. NO.    | SHEET<br>NO. | TOTAL<br>SHEETS |
|----------------------------|----------|--------------|--------------|-----------------|
| XIII                       | COLORADO | RF 036-1(19) | 35           |                 |

(R-D) 7-12-72 C.H.M. Add size CBC

AS CORRECTED  
REVISED DATE 8-23-73

STA. 75+00 END RF 036-1(19) =  
STA. 75+00 ON F 030-1(4)

— PROJ. —  
 $\theta = 21^{\circ}00'$   
 $L_s = 1,200.0'$   
 $LT = 805.7'$   
 $ST = 405.2'$

— D.O.P. —  
 $A = 11^{\circ}22' LT$   
 $D = 1^{\circ}30'$   
 $T = 380.1'$   
 $L = 757.8'$   
 $R = 3,820.0'$   
 $S = 0.015'$   
 $SS.D. > 900'$   
 $M.D.S. = 35 MPH$

75+ -REQ'D IDENTIFICATION SIGN LT  
(STATE FORCES)

T.S. 75+20.8 (Proj.)

P.C. 76+62.2 (D.O.P.)

Tunnel Entrance

Walk Bridge

Concrete Lined  
Ditch Rider Road (Gravel)

D.O.P. to be Constructed  
R.P. 81+25

Swampy Area  
R.P. 81+50  
R.P. 81+50 E (Surv.)  
S 58°52' 30" E (Surv.)  
58°52' 30" E (Surv.)

P. I. 82+97.6  
 $\Delta = 13^{\circ}00' Lt. (Surv.)$

Measuring Wier  
30"x24" C.S.P. Side Drain  
Rough & Ready  
Irrigation Canal

24"x60" C.S.P.

Sign Post  
(Abandoned)

Corral

Tank

Shed

Pump House  
With 2 Wells

10'x38'  
Mobile Home

Outhouse

Sign

Image Lion Bldg

Drainage Ditch

S.T. 70+77.4 (Proj.)

71+25 TO 73+95 -REQ'D 275' OF GUARD-RAIL  
TYPE 3 LT, W-4-12-TYPE 3A END ANCHORAGE

69+95 TO 72+65 -REQ'D 275' OF GUARD-RAIL  
TYPE 3 HT, W-4-12-TYPE 3A END ANCHORAGE

74+ 50 REQ'D ROAD APPROACH, RT.

— PROJ. —  
 $\theta = 7^{\circ}30'$   
 $L_s = 3,000'$   
 $LT = 2,002'$   
 $ST = 1,002'$

NW 1/4 Sec 20,  
T 3 N., R 70 W.

B.M. No. 9 - Elev 5287.14  
Nail in TP 40' Lt Sta 72+  
(Surv.)

B.M. No. 8 - Elev 5278.83  
Nail in PP 100' Rt Sta 77+20  
(Surv.)

B.M. No. 7 - Elev 5273.32  
Nail in PP 60' Rt Sta  
81+00 (Surv.)

NE 1/4 Sec 20,  
T 3 N., R 70 W.

PLAN  
N.T.S.  
28516  
8920