FED. ROAD DIST. NO.	STATE	F.A.I. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	F.I. 44 (4)	1	

Rev. 8-11-47. – W.H.M. ~ Index.
Rev. 8-14-47 – W.H.M. ~ Proj. No.
Rev. 10-2-47 – E.L.K. ~ Tabulation of Length

COLORADO
STATE HIGHWAY DEPARTMENT

PLAN AND PROFILE OF PROPOSED
FEDERAL AID INTERSTATE PROJECT NO. F.A.I.-F.I. 44 (4)
STATE HIGHWAY NO. 185

LARIMER COUNTY

SCALES OF ORIGINAL TRACINGS
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

	ROADWAY	APPROACHES
GROSS LENGTH OF PROJECT	21,845.7' = 4.137 MI.	7,155.2 = 1.355 MI.
NET LENGTH OF PROJECT		

INDEX OF SHEETS

SHEET NO.
1. SKETCH MAP AND TITLE PAGE, TABULATION OF LENGTH & DESIGN DATA.
2. TYPICAL SECTIONS.
3. GENERAL NOTES, SUMMARY OF APPROXIMATE QUANTITIES.
4. SELECT EMBANKMENT TABULATION, SURFACING PLAN.
5. RIGHT OF WAY MARKERS, TIMBER GUARD POSTS, AND FENCING REQUIREMENTS.
6-8. LIST OF STRUCTURES.
9-13. DETAILS OF BRIDGE, STA. 2701 +
14-15. DETAILS OF C.B.C. STA. 2856 +
16-17. DETAILS OF C.B.C. STA. 2857 +
18-19. DETAILS OF C.B.C. STA. 2866 +
20. DETAILS OF DIV. BOX & OUTLET BOX STA. 2807 +
21. DETAILS OF DIV. BOXES, STAS. 2764 + & 2856 + (ROADWAY), 2890 + & 2902 + (S.W. CONN.)
22. DETAILS OF CONC. MEASURING FLUME, STA. 2856 +
23. DETAILS OF HEADGATE AND CANAL CHECK, STA. 2859 +
24. DETAILS OF DIVISION BOX, STA. 2882 + (S.W. CONN.)
25. DETAILS OF DIVISION BOX, STA. 2900 + (S.W. CONN.), COVERS FOR WELLS, STA. 2807 + 2842 + (ROADWAY).
26. DETAILS OF METAL FLUME DITCH LINING, 2880 + TO 2883 + (ROADWAY)
27-28 PLAN AND LAYOUT OF ROTARY INTERSECTION.
29. STANDARD LETTERS AND FIGURES FOR YEAR AND STRUCTURE NUMBERS. M-10-B
30. STANDARD MARKERS POSTS. M-7-B
31. STANDARD HEADWALLS AND APRONS FOR C.M.P. CULVERTS. M-102-G
32. STANDARD SIPHON CORR. GALV. IRON PIPE WITH CONC. INLET & OUTLET BOXES. M-123-B
33. STANDARD SIPHON - SQUARE WITH VERTICAL RISERS. (SPECIAL REVISION FOR PROJ. FI 44(4)) M-125-A
34. STANDARD CONCRETE BOX CULVERTS. M-103-F
35. STANDARD CONCRETE BOX CULVERT. M-104-E
36. STANDARD NO. 12 & NO. 13 CONCRETE INLETS M-12-C-13
37. STANDARD TIMBER GUARD POSTS M-19-B
38. STANDARD WIRE FENCES (TREATED WOODEN POSTS) M-24-G
39. STANDARD METHODS FOR SUPERELEVATION & WIDENING OF CURVES. M-1-B
40. TYPICAL SIDE APPROACH ROADS, FLARING, CUT SLOPE TREATMENT AND WIDENING AT BRIDGES. M-2-C
41. STANDARD ROADWAY CONSTRUCTION TRAFFIC SIGNS. M-2-D
42. CONTOUR INTERCEPTING & DRAINAGE DITCHES. M-107-B
43-51. ALIGNMENT PLAN AND PROFILE.
52-142. CROSS SECTIONS.
143. SUMMARY OF EARTHWORK QUANTITIES & INTERCEPTING DITCHES.

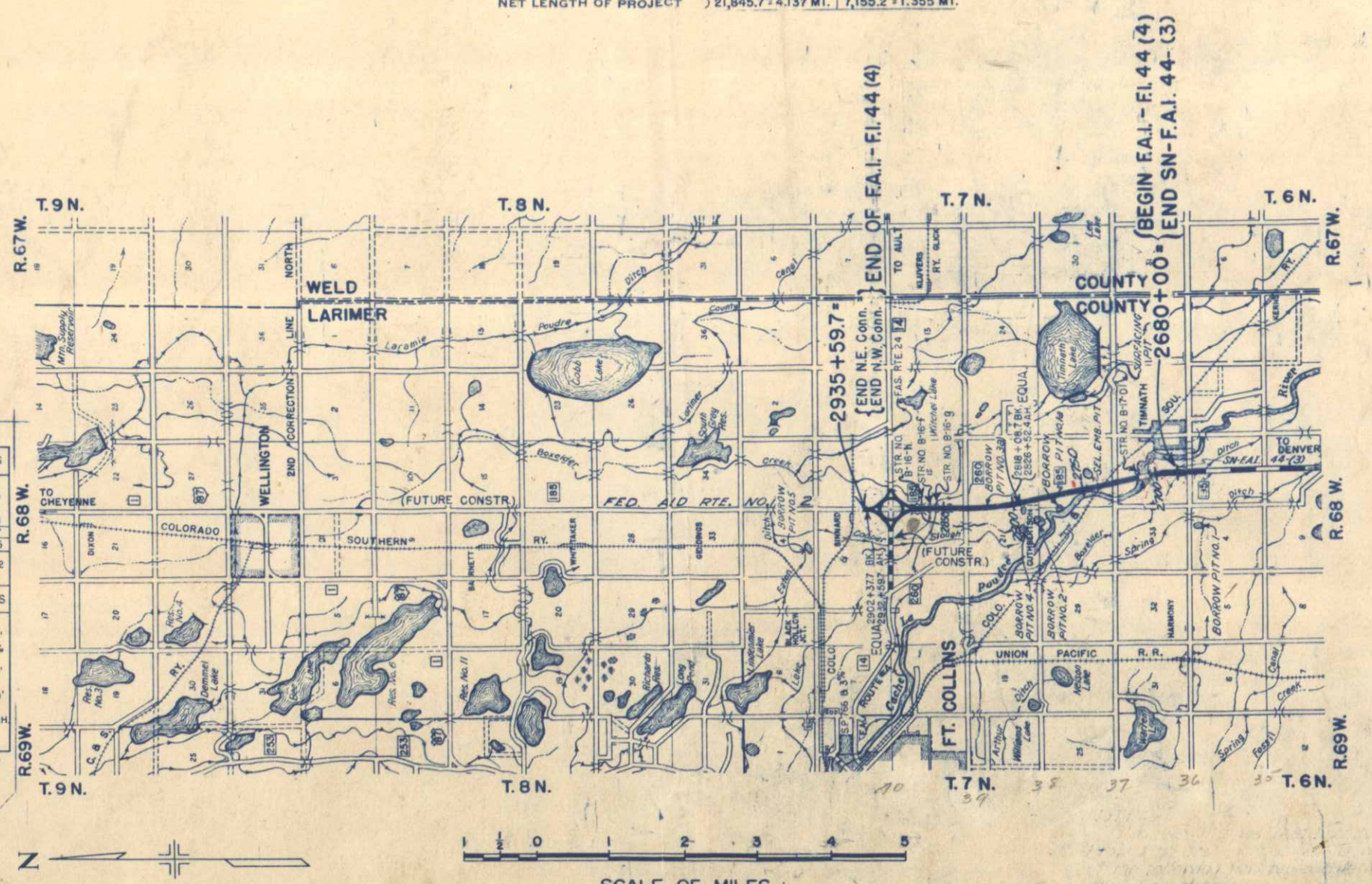
TABULATION OF LENGTH AND DESIGN DATA

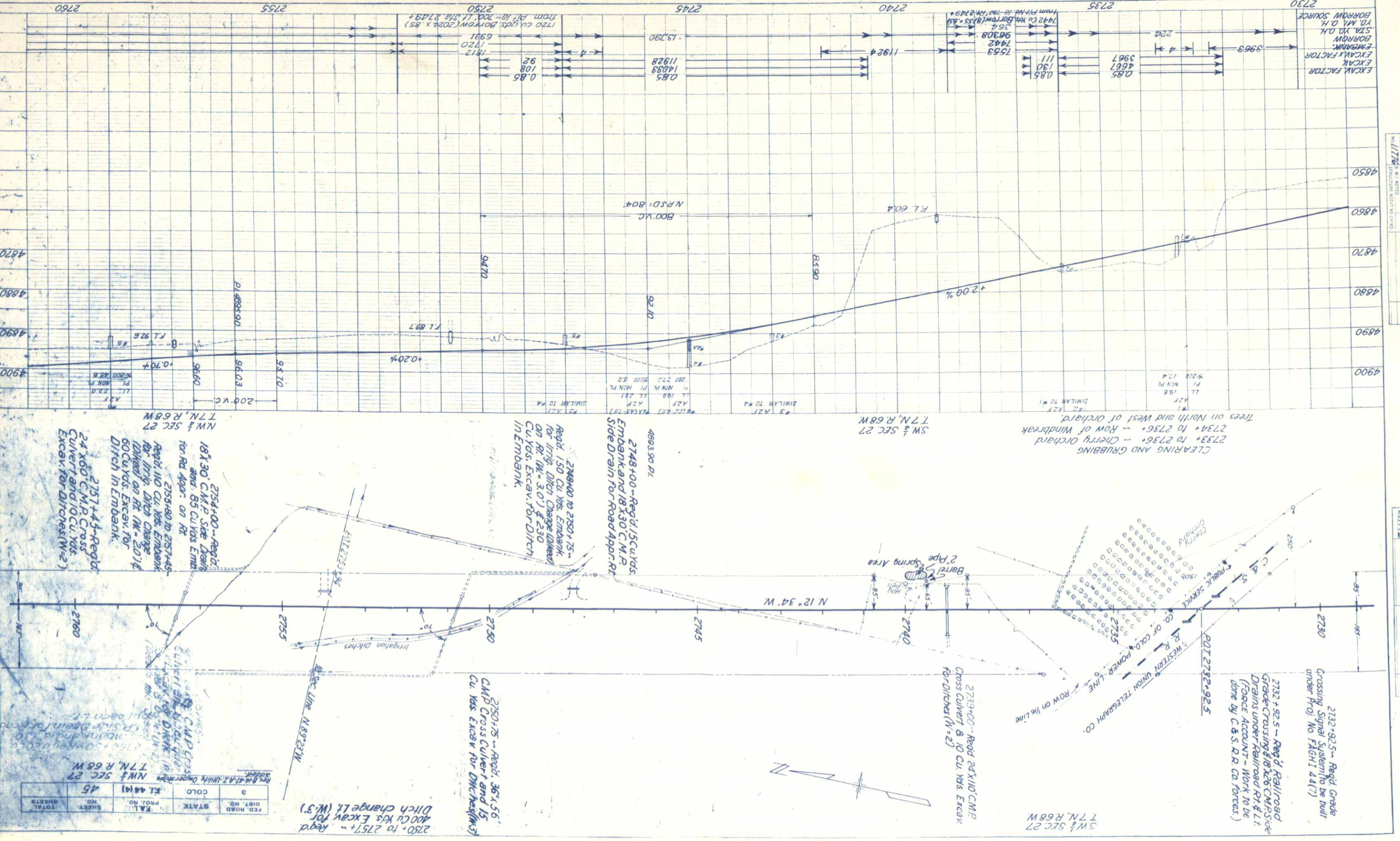
STATION	ROADWAY	APPR'S	BRIDGES LIN. FT.	BRIDGES LOADING
2680+00 BEGIN F.A.I.-F.I. 44(4) = END SN-F.A.I. 44(3)				
2701+20 BRIDGE END CACHE LA POUDRE	2120.0			
2704+23.5 BRIDGE END			303.5	H 20-S16-44
2816+06.7 BK. } EQUA. 2826+52.4 AH.	11,385.2			
2862+20.3 BEGIN ROTARY	5,567.9			
2894+19.8 S.E. CONN. (OPP. 2+73.0 E/2 CIRCLE)	1,199.5			
7+36.1 E/2 CIRCLE (OPP. 2897+31.2 N.E. CONN.)	463.1			
29021 37.7 BK. } EQUA. 2932+59.7 AH.	506.5			
2935+59.7 END N.W. & N.E. CONN. = END ROTARY = END F.A.I.-F.I. 44(4)	300.0			
S.W. CONN. TO FT. COLLINS				
2882+20.3 – THRU EQ'N { 2893+89.6 BK. / 2893+81.0 AH.		2351.8		
2905+63.5 = 177+64.5 END F. 44(8)				
N.W. CONN. – TO FT. COLLINS				
2885+18.8 = 177+64.5 END F. 44(8)				
2902+37.7 BK. } EQUA. 2932+59.7 AH.		1718.9		
2935+59.7 END N.E. CONN.		300.0		
S.E. CONN. – TO AULT				
2894+19.8 (OPP. 2+73.0 E/2 CIRCLE)				
2900+44.8 ℄ S.H. NO. 14		625.0		
N.E. CONN. TO AULT				
2891+08.6 ℄ S.H. NO. 14				
2897+31.2 (OPP. 7+36.1 E/2 CIRCLE)		622.6		
E/2 CIRCLE				
0+00 E/2 = 0+00 W/2				
2+73.0 (OPP. 2894+19.8 S.E. CONN.)		273.0		
7+36.1 (OPP. 2897+31.2 N.E. CONN.)				
[illegible]+26.3 END E/2 = (10+73.7 END W/2)		190.2		
[illegible] CIRCLE				
[illegible]0 W/2 = 0+00 E/2				
[illegible]7 END W/2 = (9+26.3 END E/2)		1073.7		
	21,542.2	7,155.2	303.5	

SUMMARY	LIN. FT.	MILES
F.A.I.-F.I. 44(4) ROADWAY	21,542.2	4.079
F.A.I.-F.I. 44(4) BRIDGES	303.5	0.058
TOTAL	21,845.7	4.137
APPROACHES	7,155.2	1.355
PROJ. TOTALS	29,000.9	5.492

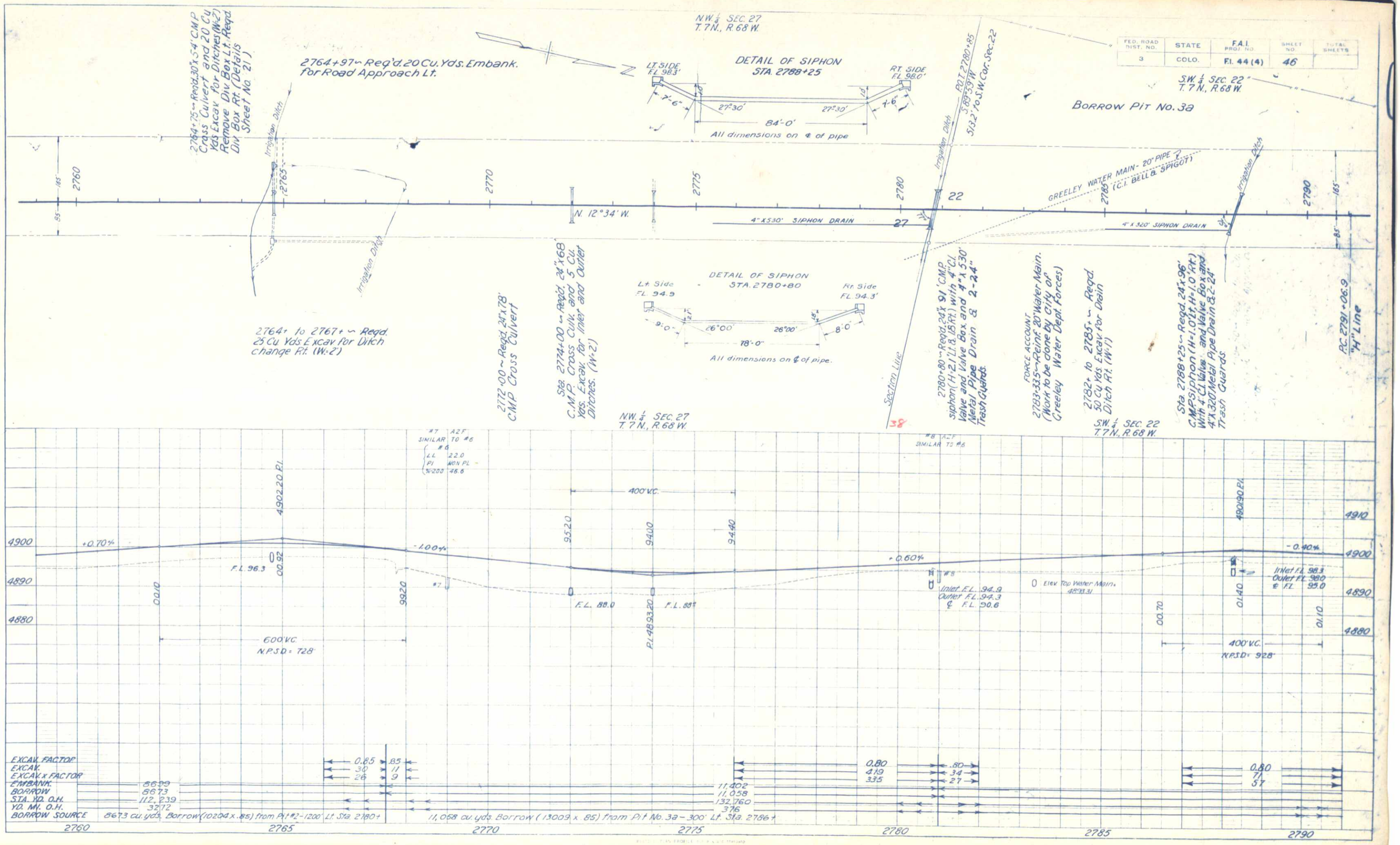
DESIGN DATA	ROADWAY *	APPR'S
MAXIMUM DEG. OF CURVATURE	1°00'	18°00'
MAXIMUM GRADE	2.00%	1.0%
MIN. N.P.S.D. HORIZONTAL	>1300'	>1300'
MIN. N.P.S.D. VERTICAL	728'	>1300'
MAXIMUM DESIGN SPEED	70M.P.H.	40M.P.H.

* Except Portion within Rotary Limits.




PROFILE
SURVEYED
PLOTTED
ALIGNMENT CHECKED
GRADES CHECKED
NOTE: ROOM
NOTE: GRADES
SHOWN IN M.; NOTED
STRUCTURE NOTES NO CHANGE
DATE
PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
NOTE: GRADES
SHOWN IN M.; NOTED
STRUCTURE NOTES NO CHANGE
DATE
EXCAV. FACTOR
EXCAV.
EXCAV. x FACTOR
EMBANK.
BORROW
STA. YD. O.H.
YD. MA. O.H.
BORROW SOURCE
0.85
4667
130
3967
0.85
0.85
14038
108
11928
92
1812
1720
6931
13,790
11924
1553
1442
96308
364
1442 cu. yds. Borrow (8/55 = .85)
from Pit No. 18-190 (M.2149+
3963
4
224
1720 cu. yds. Borrow (2020 x .85)
from Pit No. 18-700 (L.F. S/A 2149+
4850
4860
4870
4880
4890
4900
800' VC
N.P.S.D.= 804'
F.L. 604
+2.00 %
0658
0876
0970
F.L. 897
+0.20%
0996
0963
0970
200' VC
F.L. 926
+0.70%
CLEARING AND GRUBBING
2733+ to 2736+ – Cherry orchard
2734+ to 2736+ – Row of windbreak
Trees on North and West of orchard.
SW ¼ SEC. 27
T 7N, R 68W
NW ¼ SEC. 27
T 7N, R 68W
2748+00 – Reqd. 15 Cu. Yds. Embank. and 18"x30" C.M.P. Side Drain for Road Appr. Rt.
4893.90 Pl.
2749+00 to 2750+75 – Reqd. 150 Cu. Yds. Embank. for Irrig. Ditch Change (Dikes) on Rt. (W = 3.0') & 230 Cu. Yds. Excav. for Ditch in Embank.
2754+00 – Reqd. 18"x30" C.M.P. Side Drain and 85 Cu. Yds. Emb. for Rd. Appr. on Rt.
2755+80 to 2757+45 – Reqd. 110 Cu. Yds. Embank. for Irrig. Ditch Change (Dikes) on Rt. (W = 3.0') & 60 Cu. Yds. Excav. for Ditch in Embank.
2757+45 – Reqd. 24"x60" C.M.P. Cross Culvert and 10 Cu. Yds. Excav. for Ditches (W = 2')
2280+ to 2757+ – Reqd. 400 Cu. Yds. Excav. for Ditch Change Lt. (W: 3')
2750+75 – Reqd. 36"x56' C.M.P. Cross Culvert and 15 Cu. Yds. Excav. for Ditches (W: 3')
2739+00 – Reqd. 24"x110' C.M.P. Cross Culvert & 10 Cu. Yds. Excav. for Ditches (W = 2')
2732+92.5 – Reqd. Grade Crossing Signal System to be built under Proj. No. FAGH-1 4.4(7)
2732+92.5 – Reqd. Railroad Grade Crossing of 18"x26" C.M.P. Side Drains under Railroad Rt. & Lt. (FORCE ACCOUNT – Work to be done by C & S.R.R. Co. forces.)
POT 2732+92.5
Western Union Telegraph Co.
R.R.
Co. of Colo. Power Line
ROW on this line
Public Service
Cherry Orchard
Irrigation Ditches
Barrel
2" Pipe
Spring Area
N 12° 34' W.
Sec. Line N.89°23'W.
FLT 2755+84
2730
2735
2740
2745
2750
2755
2760
165'
85'
10°
250'
FED. ROAD DIST. NO. 3
STATE COLO.
PROJ. NO. FL 44(4)
SHEET NO.
TOTAL SHEETS 45
Rev. 8-14-71 A.T. Utility Ownership added.
NW ¼ SEC. 27 T 7N, R 68W

FED. ROAD DIST. NO.	STATE	F.A.I. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	F.I. 44 (4)	46	

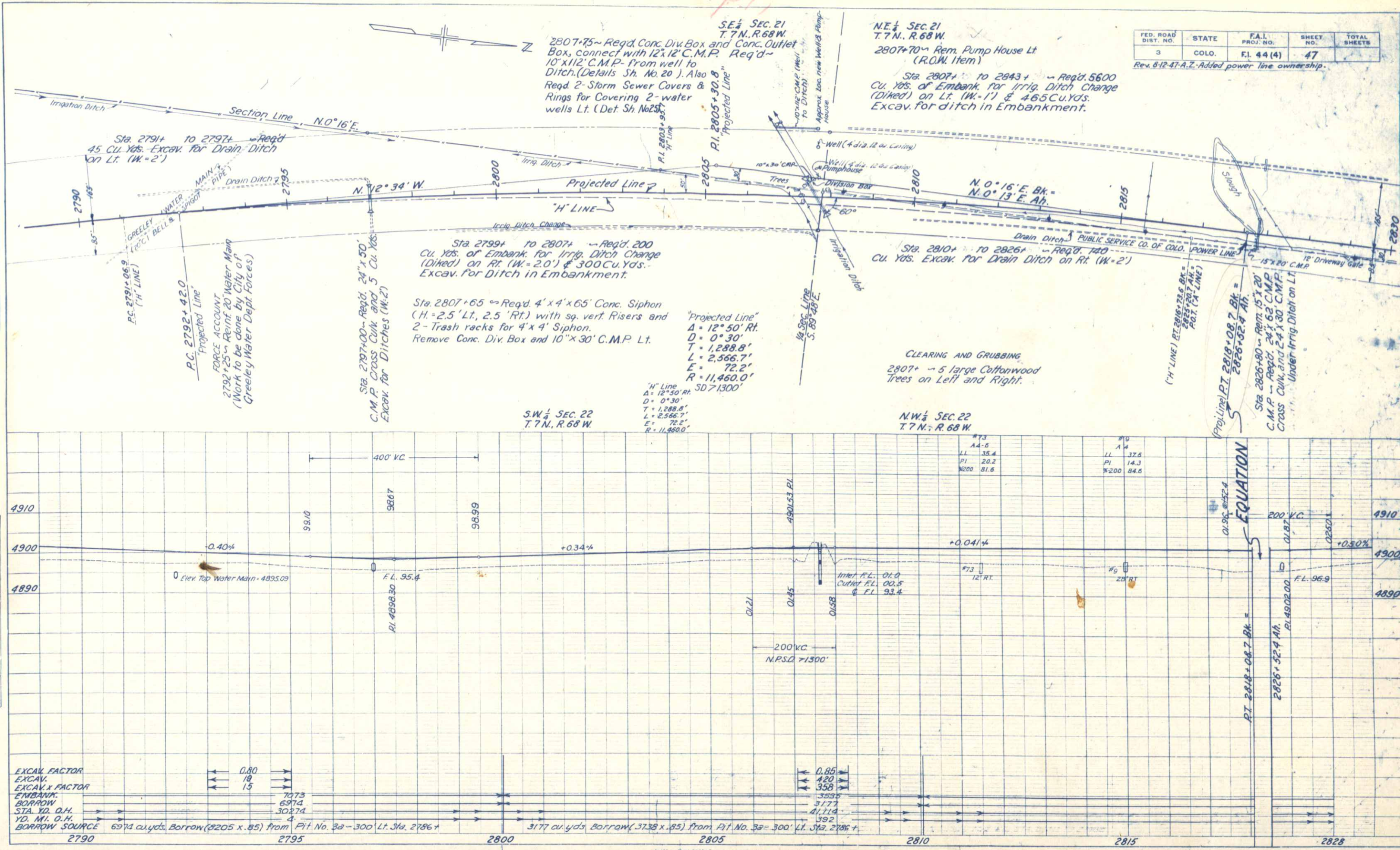


PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
R.W.E. OF WAY CHECKED
NOTE BOOK NO. 2024
NO. 1776
BY
DATE

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
B.M.'S NOTED
STRUCTURE NOTES CHECKED
NOTE BOOK NO. 2024
NO. 1776
BY
DATE

FED. ROAD DIST. NO.	STATE	F.A.I. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	F.I. 44(4)	47	

Rev. 8-12-47-A.Z.-Added power line ownership.



PLAN — SURVEYED / PLOTTED / NOTE BOOK / CHECKED / No. 1776 — DATE / BY

PROFILE — SURVEYED / PLOTTED / NOTE BOOK / GRADES CHECKED / No. 1776 — DATE

PLATE 1 - PLAN-PROFILE C.P.R. A.R.E. STANDARD
KEUFFEL & ESSER CO., NEW YORK

FED. ROAD DIST. NO.	STATE	F.A.I. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	F.I. 44 (4)	48	

Rev. 8-14-41-A.T.-Added utility line ownerships.

N.E. ¼ SEC. 21
T. 7 N., R. 68 W.

2842+05 ∞ Reqd. 2-Storm Sewer Rings & Covers for covering 2-Water Wells Lt. (Details Sheet No. 25)

R.O.W. ITEM
2842+10 ∞ Move Pump House Lt.

N.89°29'W.
POT. 2842+65.9

Sta. 2842+65 ~ Rem. 18"x 61.5' V.C.P. Siphon. ~ Reqd. 200 Cu. Yds. Embank. for County Road Apprs. Lt. & Rt. and 24"X44' C.M.P. Side Drain in Irrig. Ditch on Lt.

S.E. ¼ SEC. 16
T. 7 N., R. 68 W.

Sta. 2843+ ~ Reqd. 255 Cu. Yds. Excav. for Irrig. Ditch Change Lt. (W=2')

Sta. 2849+65 ~ Rem. 18"x 15' C.M.P.

Sta. 2856+00 ~ Rem. Conc. Div. Box on Lt. ~ Reqd. Conc. Div. Box on Lt. (See Details on Sheet No. 21)

Sta. 2856+15 ~ Rem. Parshall Flume on Lt. ~ Reqd. Conc. Meas. Flume on Lt. (See Details on Sheet No. 22)

Sta. 2856+26 ~ Reqd. 24"X 26' C.M.P. in Irrig. Ditch and 140 Cu. Yds. Emb. for Road Appr. on Lt.

Sta. 2856+75 Remove Conc. Check & Headgate Lt.

2856+ to 2857+ Reqd. 30 Cu. Yds. Excavat. on for Irrigation Ditch Change Lt. (W=2')

2859+00 ~ Reqd. Headgate & Concr. Check Lt. as per Details Sheet No. 23

Rem. 2-15" C.M.P. Drain Through Canal Dike.

"H" Line
"A" Line

(10' dia Concrete Casing) Well & Pumphouse

(4' dia 12 Ga. Casing) Well

Projected Line

Irrigation Ditch N 0° 13' E

18"x 61.5' V.C.T.

"A" LINE — PUBLIC SERVICE CO. OF COLO. POWER LINE

Irrigation Ditch

Section Line

Shed

Outhouse

2-Frame House (Conc. & Rubble Fdn.)

18"x 15' C.M.P.

Stumps

Trees

16' B.W. Gate

"M.S.T.&T. CO."

Conc. Div. Box

18" B.W. Gate

Timber Bridge (Conc. Abut.)

Timber Pile Bridge

16' Board Gate

12' Gate

Driveway Gate

House

Garage

Brick lined Cistern 7' Dia. - Depth 12'

CANAL

INLET

2845+ To 2850+ ∞ Reqd. 50 Cu. Yds. Excav. for Drain Ditch Rt. (W=1')

Sta. 2842+90 ~ Remove 12"X44' C.M.P. Cross Culvert.

COUNTY ROAD

Section Line

2843+25 ~ Reqd. 24"X54' C.M.P. cross culvert and 50 cu. yds. Excav. for Outlet (W=2')

R.O.W. ITEMS
2850+00 ~ Move Frame House, Shed and Outhouse Lt.

CLEARING & GRUBBING
2849+ to 2850+ ~ Trees and Stumps Lt. & Rt.
2856+83 ~ 60" Cottonwood Tree on Rt.

Sta. 2856+04 ~ Reqd. 130 Cu. Yds. Embank. for Road Appr. on Rt.

Sta. 2856+940 to 2857+85 ~ Remove Timber Bdg. Reqd. C.B.C. as per Details on Sheet Nos. 14-15.

Sta. 2857+00 ~ Reqd. 450 Cu. Yds. Emb. for Road Appr. on Rt.

Sta. 2857+48 to 2857+64.3 ~ Rem. Tim. Pile Br. Rt. ~ Reqd. C.B.C. as per Details on Sheet Nos. 16-17.

2857+78 ~ Reqd. 100 Cu. Yds. Embank. for Road Appr. Rt.

N.W. ¼ SEC. 22
T. 7 N., R. 68 W.

N.89°58'E

S.W. ¼ SEC. 15
T. 7 N., R. 68 W.

39

	#74	#75	#76	#77	#78
	A4-5 SIMILAR TO #73	A4-5 SIMILAR TO #73	A4-5	A4-5 SIMILAR TO #76	A4-5 SIMILAR TO #76
	#73				
LL	35.4		46.8		
PI	20.2		24.7		
½200	87.6		83.2		

200' V.C.

0.81

0.50

4910

4900

4890

PI 4902.00

#74 30' RT

#75 30' RT

F.L. 06.7

#76 30' RT

#77 70' RT

#78 20' LT

200' V.C.

13.50

14.13

15.00

+1.00%

PI 4914.00

19.00

20.52

400' V.C.

N.P.S.D. = 968'

+0.05%

4920

4910

4900

STRUCTURE NOTES FOR C.B.C. STA. 2856+64.0 TO 2856+85.1 STR. NO. B-16-9

PRESENT STRUCTURE:
SPAN - 1 @ 17.4' @ 70° LT. SKEW
CLEAR ROADWAY - 20'
CLEAR WATERWAY - 72.0'
TYPE OF SUPERSTRUCTURE - TIMBER CONCRETE
TYPE OF SUBSTRUCTURE - TIMBER PILE
REQUIREMENTS AS TO REMOVAL - SALVAGE
STREAM DATA:
DRAINAGE AREA IN SQ. MILES - IRRIGATION WATER
VELOCITY DURING HIGH WATER -
ELEVATION OF:
MAXIMUM HIGH WATER - 4914.4 LOW WATER -
NORMAL STAGE - 4913.5 STREAM BED - 4910.5
DRIFT - NONE
SCOUR - NONE

PROPOSED STRUCTURE:
POSITION REFERRED TO PRESENT STRUCTURE - ADJACENT
SPAN - 1 SPAN @ 19'-0"
CLEAR ROADWAY - 44'-0"
CLEAR WATERWAY - 125.0'
TYPE OF SUPERSTRUCTURE - C.B.C. 19'-0" X 10'-8" ±
TYPE OF SUBSTRUCTURE -
DETOUR STRUCTURE REQUIREMENTS - YES
R.R. SIDING - SINNARD (CAS) HAUL TO BRIDGE SITE - 1 MILE
NEARBY STRUCTURES ON SAME STREAM:
LOCATION -
WATERWAY -
RECORD DURING FLOODS -

STRUCTURE NOTES FOR C.B.C. STA. 2857+43 TO 2857+64.3 STR. NO. B-16-F

PRESENT STRUCTURE:
SPAN - 1 @ 15'
CLEAR ROADWAY - 20'
CLEAR WATERWAY - 100.0'
TYPE OF SUPERSTRUCTURE - TIMBER TRESTLE
TYPE OF SUBSTRUCTURE - TIMBER PILE
REQUIREMENTS AS TO REMOVAL - SALVAGE
STREAM DATA:
DRAINAGE AREA IN SQ. MILES IRRIGATION WATER
VELOCITY DURING HIGH WATER -
ELEVATION OF:
MAXIMUM HIGH WATER - 4914.5 LOW WATER - DRY
NORMAL STAGE - 4913.0 STREAM BED - 4908.5
DRIFT - NONE
SCOUR - NONE

PROPOSED STRUCTURE:
POSITION REFERRED TO PRESENT STRUCTURE - ADJACENT
SPAN - 1 @ 19'-0"
CLEAR ROADWAY - 44'
CLEAR WATERWAY - 165.0'
TYPE OF SUPERSTRUCTURE - C.B.C. 19'0" X 10'2" ±
TYPE OF SUBSTRUCTURE - CONCRETE CANTILEVER
DETOUR STRUCTURE REQUIREMENTS - YES
R.R. SIDING - SINNARD (CAS) HAUL TO BRIDGE SITE - 1 MILE
NEARBY STRUCTURES ON SAME STREAM:
LOCATION -
WATERWAY -
RECORD DURING FLOODS -

| | | | |

FED. ROAD DIST. NO.	STATE	F.A.I. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	F.I. 44(4)	49	

Rev. 8-14-47 - A.Z. - Added utility line ownerships.

S.E. 1/4 SEC. 16
T. 7N., R. 68W.

2861+ to 2864+ ~ Reqd. 30 Cu Yds. Excav. for Drain Ditches Lt & Rt. (W=1')

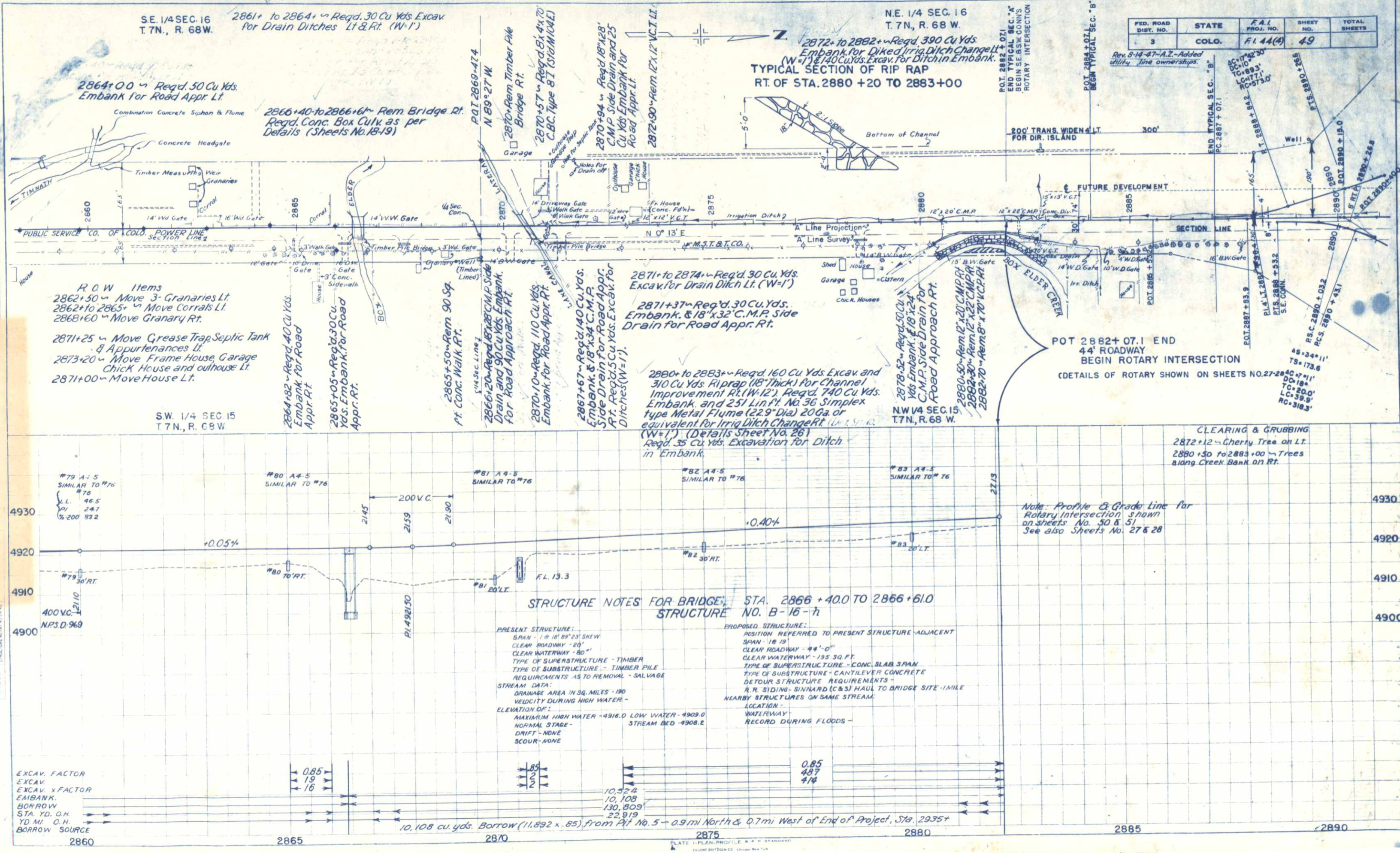
2864+00 ~ Reqd. 50 Cu Yds. Embank for Road Appr. Lt.

2866+40 to 2866+61 ~ Rem. Bridge Rt. Reqd. Conc. Box Culv. as per Details (Sheets No. 18-19)

N.E. 1/4 SEC. 16
T. 7N., R. 68 W.

2872+ to 2882+ ~ Reqd. 390 Cu Yds. Embank. for Diked Irrig. Ditch Change Lt (W=1') & 140 Cu. Yds. Excav. for Ditch in Embank.

TYPICAL SECTION OF RIP RAP
RT. OF STA. 2880 +20 TO 2883+00



R.O.W. Items
2862+50 ~ Move 3 - Granaries Lt.
2862+ to 2865+ ~ Move Corrals Lt.
2868+60 ~ Move Granary Rt.

2871+25 ~ Move Grease Trap, Septic Tank & Appurtenances Lt.
2873+20 ~ Move Frame House, Garage, Chick House and outhouse Lt.
2871+00 ~ Move House Lt.

S.W. 1/4 SEC. 15
T. 7N., R. 68W.

2864+82 ~ Reqd. 40 Cu Yds. Embank. for Road Appr. Rt.

2865+05 ~ Reqd. 30 Cu. Yds. Embank. for Road Appr. Rt.

2865+50 ~ Rem. 90 Sq. Ft. Conc. Walk Rt.

2866+20 ~ Reqd. 18" C.M.P. Side Drain and 90 Cu Yds. Embank. for Road Approach Rt.

2870+10 ~ Reqd. 110 Cu. Yds. Embank. for Road Appr. Rt.

2867+67 ~ Reqd. 140 Cu. Yds. Embank. & 18" x 34' C.M.P. Side Drain for Road Appr. Rt. Reqd. 5 Cu. Yds. Excav. for Ditches (W=1').

2871+ to 2874+ ~ Reqd. 30 Cu. Yds. Excav. for Drain Ditch Lt. (W=1')

2871+37 ~ Reqd. 30 Cu. Yds. Embank. & 18" x 32' C.M.P. Side Drain for Road Appr. Rt.

2880+ to 2883+ ~ Reqd. 160 Cu. Yds. Excav. and 310 Cu Yds. Riprap (18" Thick) for Channel Improvement Rt. (W=12'). Reqd. 740 Cu Yds. Embank. and 251 Lin. ft. No. 36 Simplex type Metal Flume (22.9" Dia) 20 Ga. or equivalent for Irrig. Ditch Change Rt. (W=1') (Details Sheet No. 26)
Reqd. 35 Cu. Yds. Excavation for Ditch in Embank.

2878.52 ~ Reqd. 50 Cu. Yds. Embank. & 18" x 24' C.M.P. Side Drain for Road Approach Rt.

N.W. 1/4 SEC. 15
T. 7N., R. 68 W.

2880.50 ~ Rem. 12" x 20' C.M.P. Rt.
2882.30 ~ Rem. 12" x 22' C.M.P. Rt.
2882.70 ~ Rem. 8" x 70' V.C.P. Rt.

CLEARING & GRUBBING
2872+12 ~ Cherry Tree on Lt.
2880+50 to 2883+00 ~ Trees along Creek Bank on Rt.

Note: Profile & Grade Line for Rotary Intersection shown on Sheets No. 50 & 51
See also Sheets No. 27 & 28

STRUCTURE NOTES FOR BRIDGE, STA. 2866 +40.0 TO 2866 +61.0
STRUCTURE NO. B-16-h

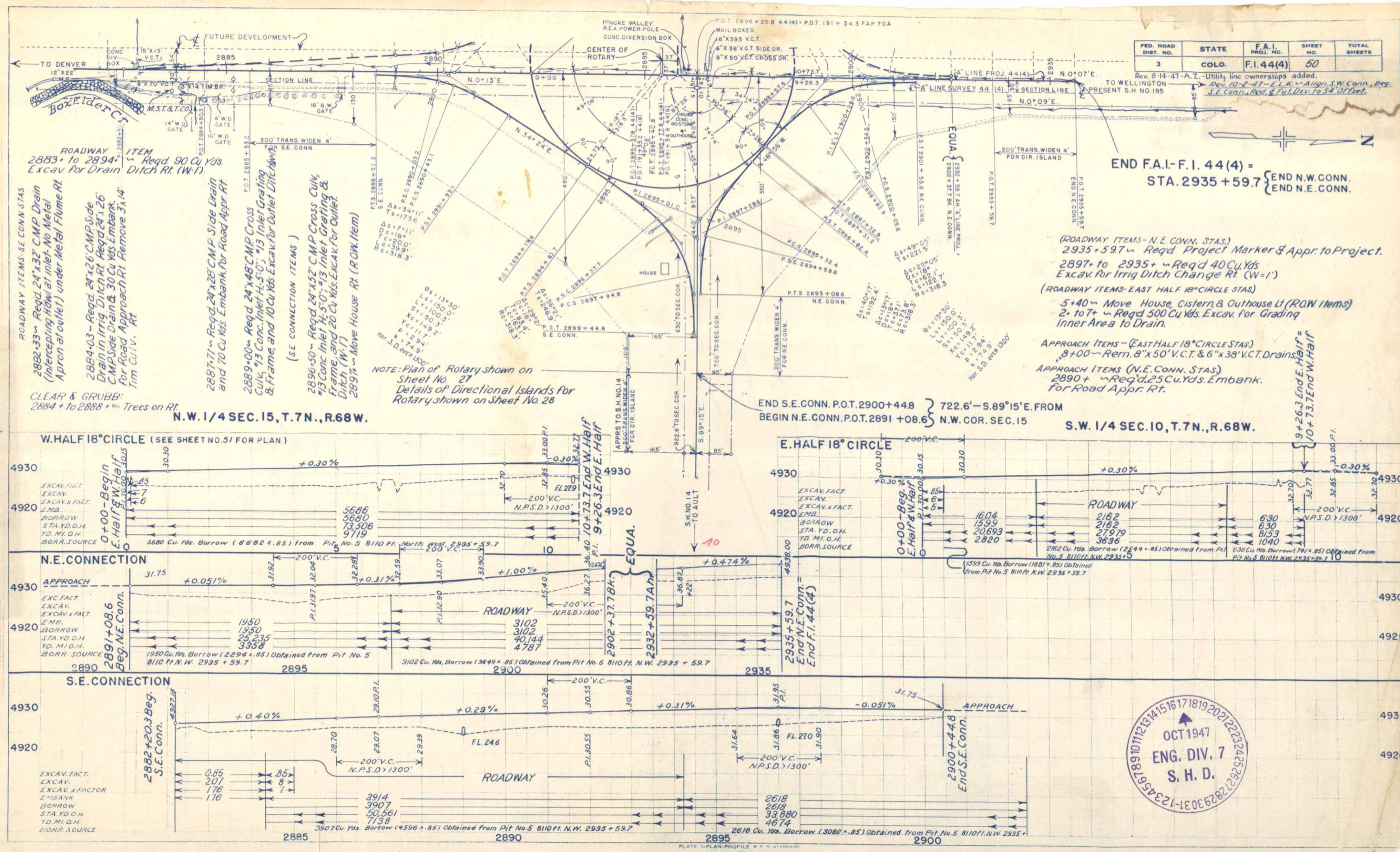
PRESENT STRUCTURE:
SPAN - 1 @ 18' 89°23' SKEW
CLEAR ROADWAY - 20'
CLEAR WATERWAY - 80"
TYPE OF SUPERSTRUCTURE - TIMBER
TYPE OF SUBSTRUCTURE - TIMBER PILE
REQUIREMENTS AS TO REMOVAL - SALVAGE
STREAM DATA:
DRAINAGE AREA IN SQ. MILES - 190
VELOCITY DURING HIGH WATER -
ELEVATION OF:
MAXIMUM HIGH WATER - 4916.0 LOW WATER - 4909.0
NORMAL STAGE - STREAM BED - 4908.2
DRIFT - NONE
SCOUR - NONE

PROPOSED STRUCTURE:
POSITION REFERRED TO PRESENT STRUCTURE - ADJACENT
SPAN - 1 @ 19'
CLEAR ROADWAY - 44'-0"
CLEAR WATERWAY - 195 SQ. FT.
TYPE OF SUPERSTRUCTURE - CONC. SLAB SPAN
TYPE OF SUBSTRUCTURE - CANTILEVER CONCRETE
DETOUR STRUCTURE REQUIREMENTS -
R.R. SIDING - SINNARD (C&S) HAUL TO BRIDGE SITE - 1 MILE
NEARBY STRUCTURES ON SAME STREAM:
LOCATION -
WATERWAY
RECORD DURING FLOODS -

| | | |

FED. ROAD DIST. NO.	STATE	F.A.I. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	F.I.44(4)	50	

Rev. 8-14-47-A.Z.-Utility line ownerships added.
Rev. 10-2-47-E.L.K. ~ Align. S.W. Conn., Beg. S.E. Conn., Rod. & Ful. Dev. to 54 Offset.



OCT 1947
ENG. DIV. 7
S. H. D.

FED. ROAD DIST. NO.	STATE	F.A.I. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	F.I. 44(4)	51	

Rev. 8-14-47-A.Z.-Added utility ownerships.

N.E. 1/4 SEC. 16, T. 7 N., R. 68 W.

2882+60 ~ Req'd 24"x26' C.M.P. in Irrig. Ditch Lt.; 24 x 26' C.M.P. Side Drain and 40 Cu. Yds. Embank. for Road Approach Lt.

2882+85 ~ Rem. Conc. Division Box & 15"x13' V.C.P. Lt. Req'd Conc. Div. Box Lt. (Det. Sheet No. 24)

2882+ to 2900+ ~ Req'd 600 Cu. Yds. Embank. for Dyked Irrig. Ditch Change Lt. (W=2') & 670 Cu. Yds. Excav. for Ditch in Embankment.

2890+00 ~ Req'd Conc. Division Box Lt. (Det. Sh. No. 21)

2893+85 ~ Req'd 24"x58' C.M.P. Cross Culvert.

2898+00 ~ Req'd 24"x66' C.M.P. Cross Culvert; #13 Conc. Inlet (H=5'-0") & #13 Inlet Grating and Frame.

2900+28 ~ Req'd 24"x62' C.M.P. Cross Culv. in Irrig. Ditch & 110 Cu. Yds. Embank. for Dyked Outlet. (W=2'). Req'd. Conc. Div. Box. (Det. Sh. No. 25). Req'd. 5.5 Cu. Yds. Excav. for Ditch in Embankment.

2900+ to 2905+ ~ Req'd 450 Cu. Yds. Embank. for Dyked Irrig. Ditch Change Lt. (W=2') & 190 Cu. Yds. Excav. for Ditch in Embankment.

2902+40 ~ Req'd. Conc. Div. Box Lt. (Det. Sh. No. 21)

2903+07 ~ Req'd. 50 Cu. Yds. Embank. for Road Approach Lt. Req'd. 24"x28" C.M.P. in Irrig. Ditch Lt.

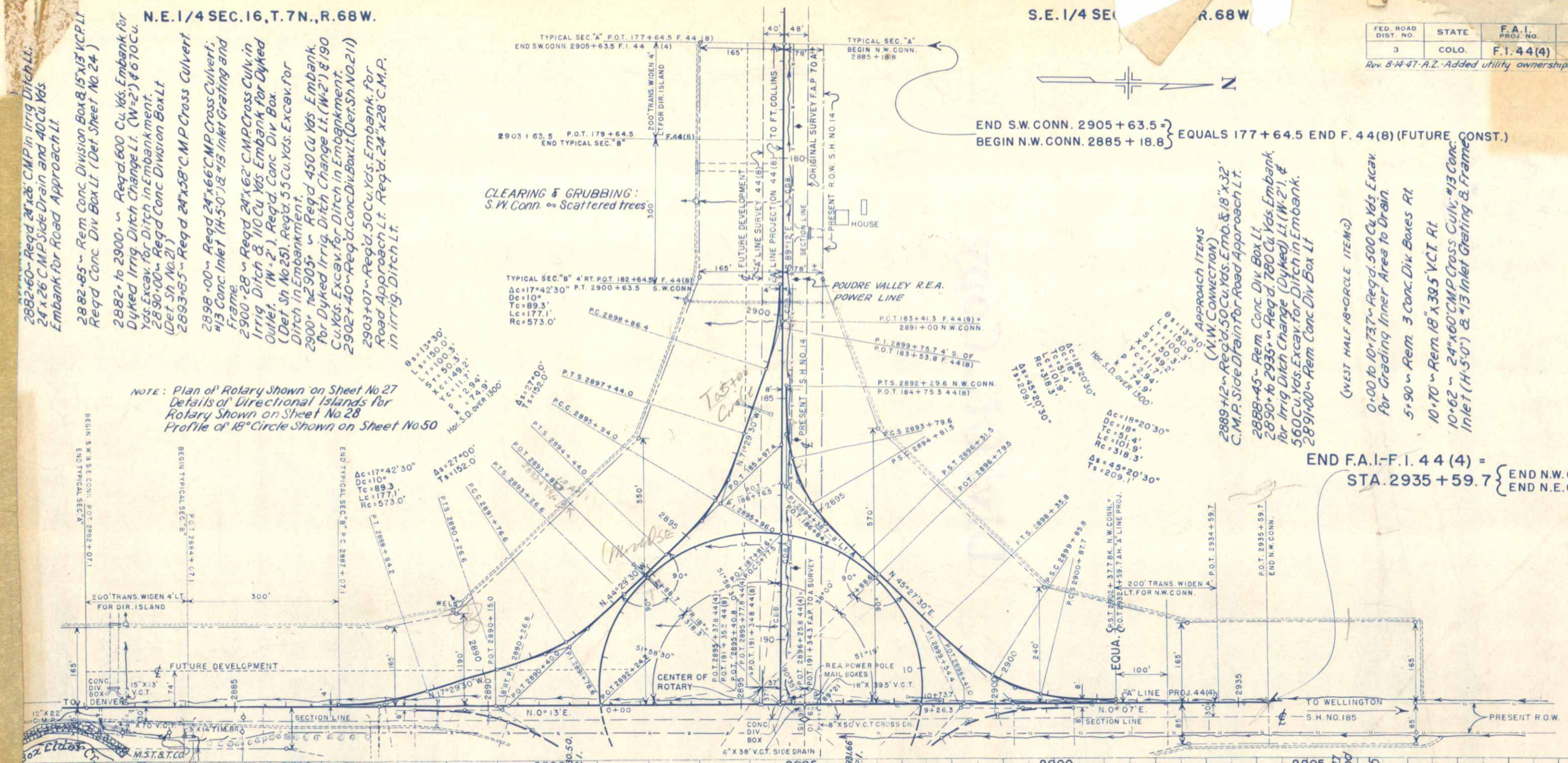
S.E. 1/4 SEC. [illegible] R. 68 W.

END S.W. CONN. 2905 + 63.5 = BEGIN N.W. CONN. 2885 + 18.8 } EQUALS 177 + 64.5 END F. 44(8) (FUTURE CONST.)

Approach Items (N.W. Connection)
2889+12 ~ Req'd. 50 Cu. Yds. Emb. & 18"x32' C.M.P. Side Drain for Road Approach Lt.

2888+45 ~ Rem. Conc. Div. Box Lt.
2890+ to 2935+ ~ Req'd. 780 Cu. Yds. Embank. for Irrig. Ditch Change (Dyked) Lt. (W=2') & 560 Cu. Yds. Excav. for Ditch in Embank.
2891+00 ~ Rem. Conc. Div. Box Lt.

(West half 18" circle items)
0+00 to 10+73.7 ~ Req'd. 500 Cu. Yds. Excav. for Grading Inner Area to Drain.
5+90 ~ Rem. 3 Conc. Div. Boxes Rt.
10+70 ~ Rem. 18"x39.5' V.C.T. Rt.
10+62 ~ 24"x60' C.M.P. Cross Culv.; #13 Conc. Inlet (H=5'-0") & #13 Inlet Grating & Frame.

END F.A.I.-F.I. 44(4) = STA. 2935 + 59.7 { END N.W. CONN. / END N.E. CONN.

NOTE: Plan of Rotary Shown on Sheet No. 27
Details of Directional Islands for Rotary Shown on Sheet No. 28
Profile of 18° Circle Shown on Sheet No. 50