

COLORADO STATE HIGHWAY DEPARTMENT

FLD. ROAD DIST. NO.	STATE	P.W.A. PROJ. NO.
3	COLO.	4001-C

Revised - 6-9-37 - F.F.S.

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PLAN AND PROFILE OF PROPOSED P.W.A. DOCKET COLO.-804-D PROJECT NO. 4001 C STATE HIGHWAY NO. 6.50 FREMONT COUNTY

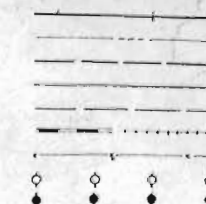
SCALES ON ORIGINAL TRACINGS

ON PLAN, 1 IN. = 100 FT.
ON PROFILE, 1 IN. = 100 FT. HORIZONTAL
1 IN. = 10 FT. VERTICAL

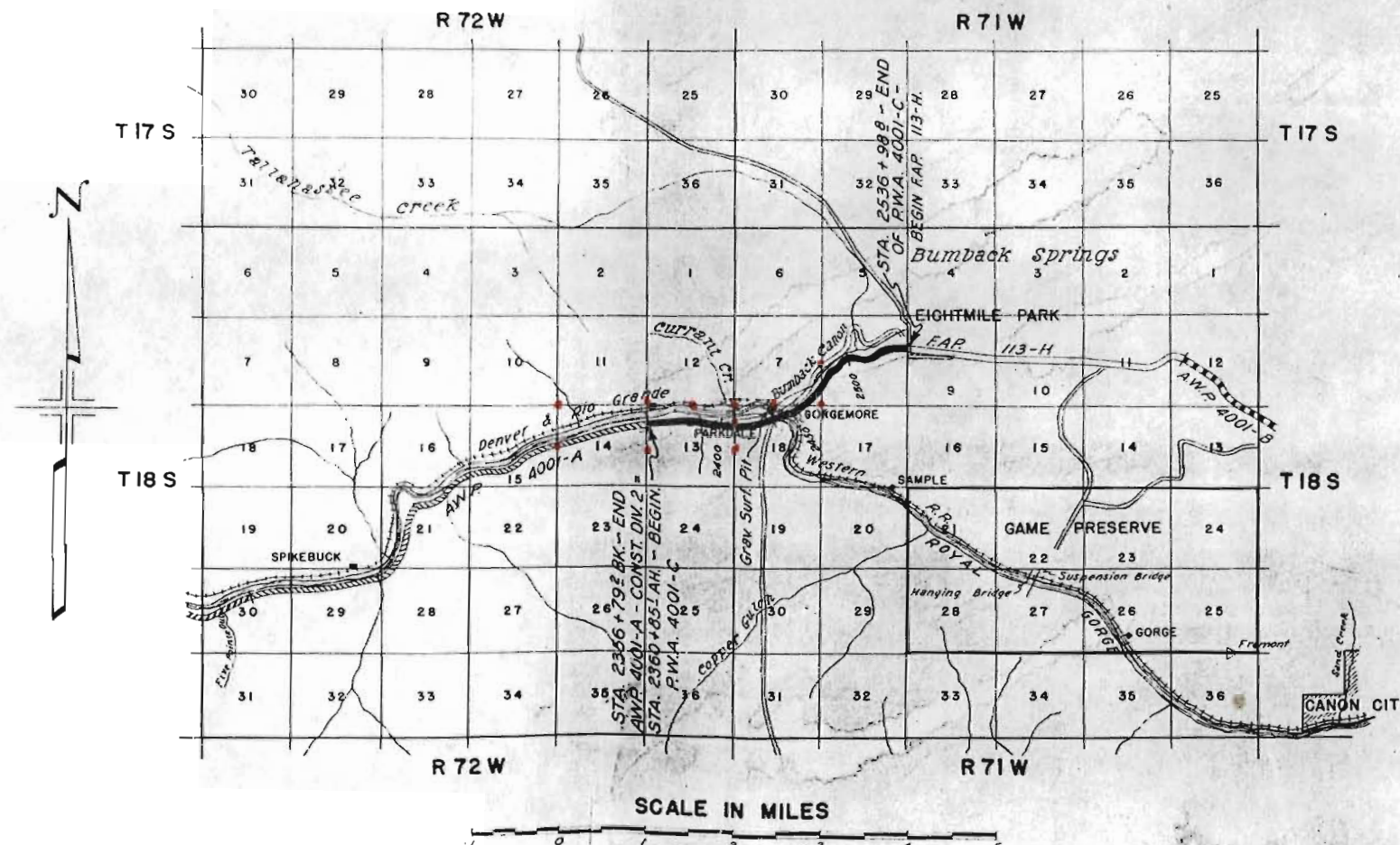
GRADE LINE ON PROFILE IS SHOWN AS GRADE OF FINISHED ROAD
GROSS LENGTH OF PROJECT } 17,678.1 Ft. = 3.348 MI.
NET LENGTH OF PROJECT }

CONVENTIONAL SIGNS

CENTER LINE OF SURVEY
RIGHT OF WAY LINES
TOWNSHIP & RANGE LINES
SECTION LINES
ONE QUARTER SECTION LINES
RAILROAD TRACKS
BARBED WIRE FENCE
TELEPHONE LINES



22
Drawer # 46



NOTE
It is recommended that bidders on this Project go over the plan details with one of the following field representatives of this Department:

J.D. Bell, Division Engineer
J. Robertson, Res.

Pueblo
Canon City

RECOMMENDED FOR APPROVAL 3/1/21

APPROVED

Chas. Vail
STATE HIGHWAY ENGINEER

9.20
6

LIST OF STRUCTURES

REV. 6-9-37 S.F.
REV. 7-3-37 P.B.B.

FENCING REQUIREMENTS

LOCATION	DESCRIPTION	REMOVE STRUCT.	EXCAVATION CU. YD.		STRUCTURAL EXCAVATION CU. YD.	GRAV. SURF. TONS	CONCRETE CU. YD.		REIN. STEEL LBS.	CORRUGATED METAL PIPE LIN. FT.										MULTIPLATE C.M.P. LIN. FT.	DRY RUB. SL. PAY. SQ. YD. 18" THICK	MISCELLANEOUS
		NO. KIND	UNCL.	EMB.			CL. A	CL. B		18"	24"	30"	36"	48"	72"	90"	105"					
2362+10 2360+85 ¹ 2361+20 2361+20 2362+52 2365+75 2366+05 2371+15 2381+00 2389+25 2392+00	Remove Abandoned Boiler & Pump on Lt. Project Marker Remove 24"x24' Concrete Pipe C.M.P. Cross Culvert & Ditches Road Approach on Left C.M.P. Cross Culvert Remove 24"x24' Concrete Pipe C.M.P. Cross Culvert " " " " & Ditches 6'x7'x51' Concrete Box Culvert & Ditches 8'x8'x70' Conc. Box Culvert Type 8 III (Sk 75° Rt.) & Ditches	(Force Account) 1- Conc. Pipe	10	225	20	20		1.65			44											Rem. Abandoned Boiler & Pump 1 Project Marker
2403+20 2414+00 2424+00	C.M.P. Culvert & Ditches (Type 6 Hdwl) " " " " Outlet Ditch " " " " Ditches	1- Conc. Pipe	100 10 45	25 110 25			85.6 149.1	1.65 1.65	5741 13880		82 42				100							
2430+50-2437+40 2431+00 2431+25 2432+90 2434+00	Channel Change on Right Build Dike & Fill Channel on Right C.M.P. Culvert in Channel Change on Rt. " " " Side Drain & Road Approach " " " " " " " " " " " Lt.	★ 5100			5					26 26					62							400 cu. yd. Rock Fill
2436+10 2436+20 2436+20 2436+30 2436+60 2436+70 2436+70 2437+10	Remove Toilet on Right " Garage on Right " Gas Pump on Left " & Rebuild Well & Appurtenances, Rt. " Cellar on Left " Store " " " Duck Pen on Right " Stone House on Left	(Force Account) " " " " " " "																				Remove Toilet " Garage " Gas Pump Rem. & Reb. Well & Appurtenances Remove Cellar " Store " Duck Pen " Stone House
2438+06-2440+46 ³ 2440+60 2440+60 2440+85	Bridge Remove House on Left Toilet on Right Fuel Shed on Center Line	See Summary of Quantities (Force Account) " "																				" House " Toilet " Fuel Shed
2441+30 2441+55 2441+45 2443+ 2446+84 2448+37 2450+89 2455+38 2462+75 2470+26	" Garage & Storehouse on Left " Lumber Pile on Center Line " Store Building on Left Approach Road on Left C.M.P. Culv. with Intercept. Hdwl. & Ditch " " " & Ditch " " " with Intercept. Hdwl. & Ditch " " " & Ditch " " " (Skew 60° Rt.) & Ditch	" " " 2000 10 5 20 5 5 5			20 5 15 25 5	20		1.60 3.00 1.60 5.00 1.65 3.00		42 116 58 54 50 94												" Gar. & Storehouse " Lumber Pile " Store Building
2473+35 2476+31 2479+13 2482+64 2489+43 2494+22 2497+31-2498+43 ² 2498+44 2503+44 2507+19	" " " (" " Lt) " " " " " (" 50° Rt) " " (Rem. 36"x28" C.M.P.) " " " (" 60° ") " " " " " & Ditch " " " (Skew 85° Rt.) & Ditches " " " & Ditch Retaining Wall on Left C.M.P. Culv. with Intercept. Hdwl. & Ditch " " " " " " " " " " " " " " " "	1- C.M.P. 5 5 5 5 10 10 10 60 30			15 15 10 10 60 35 225 45 40 5		500 500 1.65 1.65 500 1.65 1.60 1.65 1.60 1.65		148 188 80 56 184 48 46 44 108												18 Cu. Yd. Cl. "A" Conc. Handrails. 735 Cu. Yd. Cl. "B" Cyclopean Conc.	
2511+22 2520+60-2521+20 2520+69 2534+28 2536+98 2536+98	" " " & Ditches Channel Change on Right C.M.P. Culvert (Skew 45° Rt.) " " " " Road Approaches on Left & Right C.M.P. Side Drain on Left		5 100		10 5	30		1.65 1.65		210 54					50							
PROJECT TOTALS		3	2465	325	920		90	261.65	56.10	24926	102	1208	88	210	574	162						

LOCATION	SIDE	REMOVE LIN. FT.	BUILD LIN. FT.
2360+85 ¹ -2362+10	R	125	
2360+85 ¹ -2431+00	R		7075
2372+00-2433+25	L		6185
2364+85-2365+60	R	75	
2375+50	X	110	
2410+95	X	120	
2424+50	X	125	
2431+00-2432+15	R	125	
2432+65-2433+60	R	125	
2432+65-2437+40	R		500
2432+75-2433+30	L	85	
2433+75-2434+00	R	60	
2434+00-2434+30	R	60	
2438+80-2439+45	L		65
2438+90-2439+15	R		25
2439+30	X	140	
2439+70-2443+50	R		425
2439+90	X	165	
2440+00-2483+50	L		4770
2446+40-2447+80	R		140
2455+10-2455+80	R		125
2461+40-2480+00	R		1935
2482+00-2483+40	R		195
2486+90-2494+60	L		970
2503+00-2536+10	L		3400
2504+40-2508+40	L		520
2509+80-2514+20	L		1140
2519+00-2536+98 ⁸	L		1890
2526+00-2527+00	X	155	
2535+00		130	
2447+80-2451+40	R		445
PROJECT TOTALS		1600	29,805

GATES

R.O.W. MARKERS

LOCATION	SIDE	BARBED WIRE	DRIVE-WAY	LOCATION	SIDE	NO.
2387+50	L&R	2		2360+85 ¹	R	2
2418+00	L&R	2		2370+00	R	2
2428+00	L	1		2375+00	R	2
2433+10	R	1		2388+00	L	2
2434+00	R		1	2405+00	L	2
2434+40	R	1		2411+15	L&R	2
				2436+00	R	2
2522+00	L	1		2440+00	L	2
2522+50	R	1		2449+18	R	2
2532+00	R	1		2450+00	L	1
2533+00	L	1		2452+45	R	1
				2455+50	L	2
				2468+37 ¹	L&R	4
				2469+50	R	1
				2471+75	L	1
				2476+50 ⁸	L&R	4
				2486+92	L&R	4
				2492+43 ²	R	2
				2495+00	L	2
				2503+00	L	2
				2504+39	R	2
				2506+04 ⁵	L	2
				2515+00	L	2
				2522+00	L&R	4
				2535+90	L	1
				2536+00	R	1
				2536+98 ⁸	L&R	2
PROJECT TOTALS		11	1	PROJECT TOTAL		58

Structural Excavation is estimated to be 60% Rock and 40% Common, each of which is 90% Dry and 10% Wet.
Included for payment in profile quantities.

Sec. 14
T18S R72W
6TH P.M.

Sec. 13
T18S R72W
6TH P.M.

Sta. 2361+20 - Remove 24"x24"
Concrete Pipe. Req'd 24"x44"
C.M.P. Cross Culvert & 10 cu. yds.
Excav. for ditches.

Sta. 2362+10 - Remove Abandoned
Boiler & Pump. (FORCE ACCOUNT)

NOTE:- All Poles encroaching on R.O.W.
are to be removed by Owners.

Fencing & R.O.W. Marker Require-
ments are tabulated on Sheet No. 3.

Guard Fence Requirements are
tabulated on Sheet No. 2.

The alignment and grades as shown
hereon are subject to modification
during construction.

GRAZING LAND

Sta. 2381+00 - Req'd 24"x42"
C.M.P. Cross Culvert & 100
cu. yds. Excav. for ditches.

Sta. 2371+15 - Req'd 24"x82"
C.M.P. Cross Culvert.

Δ 20°40'R
D 1°30'
T 6965'
L 13778'
R 3820'

CLEARING AND GRUBBING:-

Sta. 2360+85 to 2372+00 - Cedars, Piñon, Scrub Oak, & Choke Cherries
" 2372+00 to 2375+60 - Cedars & Piñon
" 2375+60 to 2411+00 - Scattered Small Trees & Bushes.

2000 to 2001 = 2331.13'

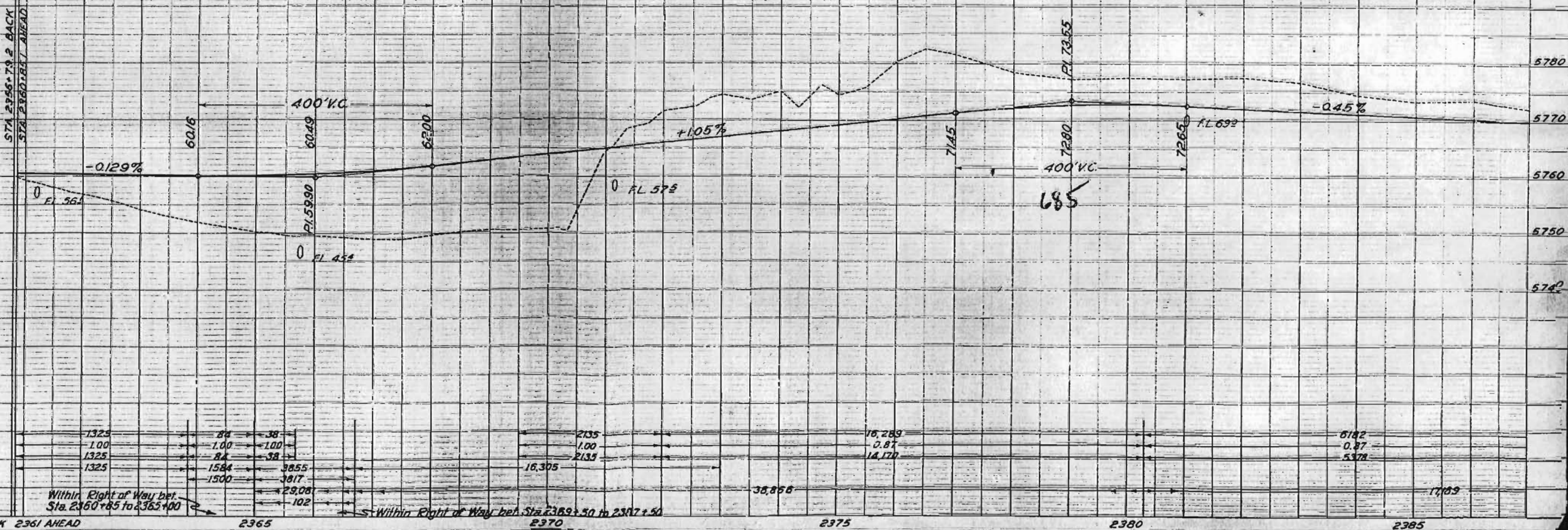
EQUATION

2356+79.2 BK- END
OF A.W.P. 4001-A-2 =
2360+85.1 AH- BEGIN.
OF P.W.A. PROJECT
NO. 4001-C.

Sta. 2362+52 - Req'd
225 cu. yds. Embank for
Road Approach on LI.

Sta. 2365+75 - Req'd
30"x88" C.M.P. Cross Culv.
Sta. 2366+05 - Remove
24"x24" Concrete Pipe.

STA 2356+79.2 BACK
STA 2360+85.1 AHEAD



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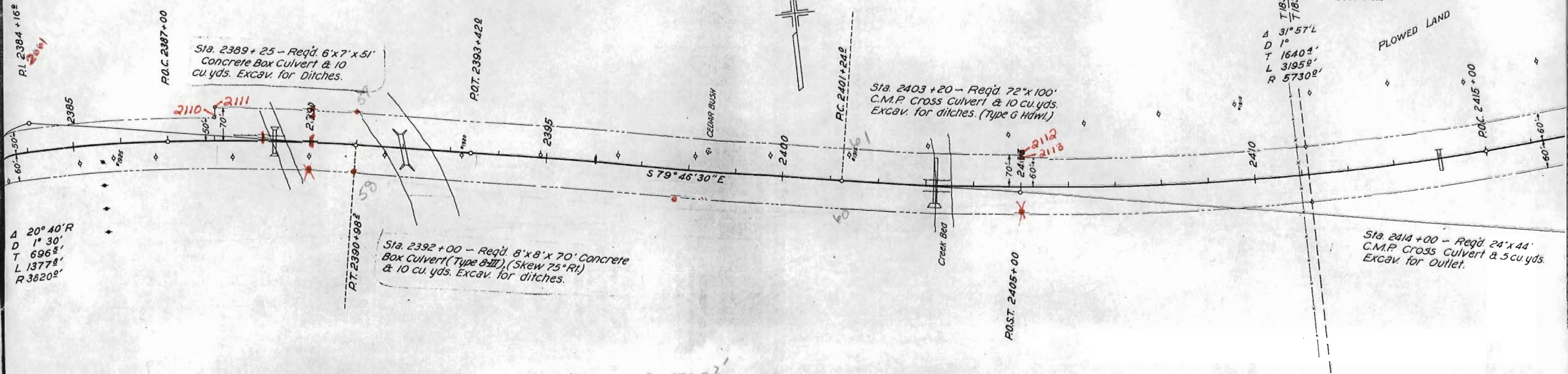
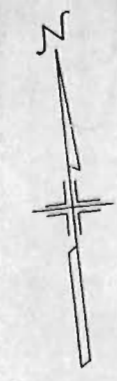
Sec. 13
T18S R72W
6TH P.M.

Sec. 18
T18S R71W
6TH P.M.

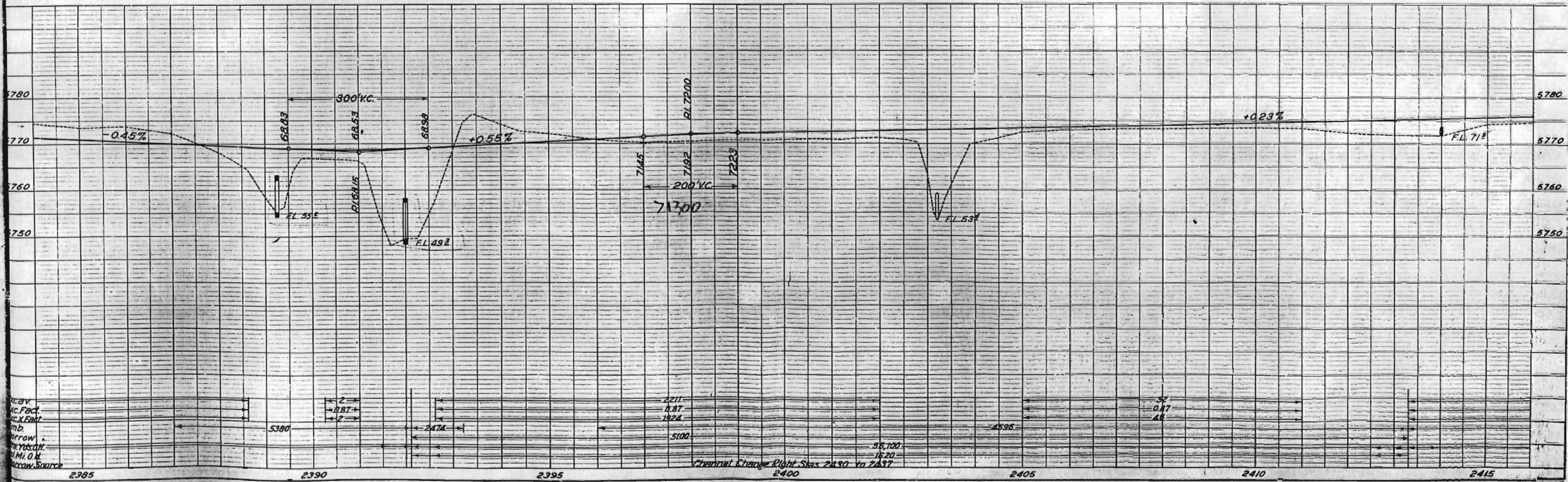
Δ 31° 57' L
D 1°
T 1640'
L 3195'
R 5730'

PLOWED LAND

PASTURE LAND

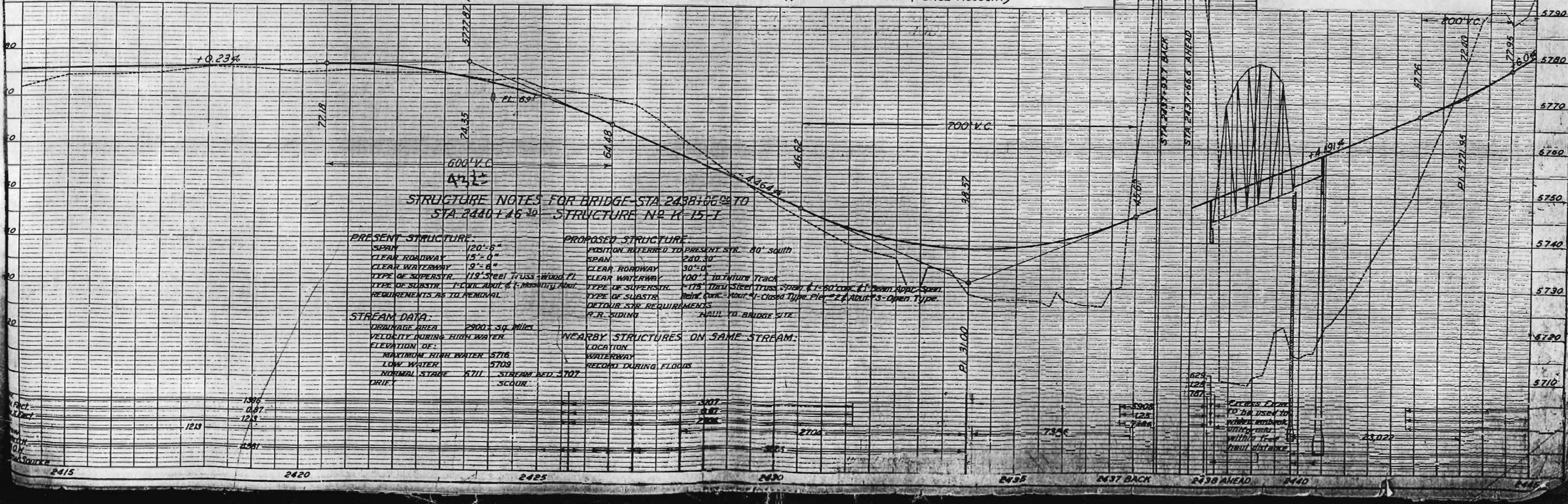
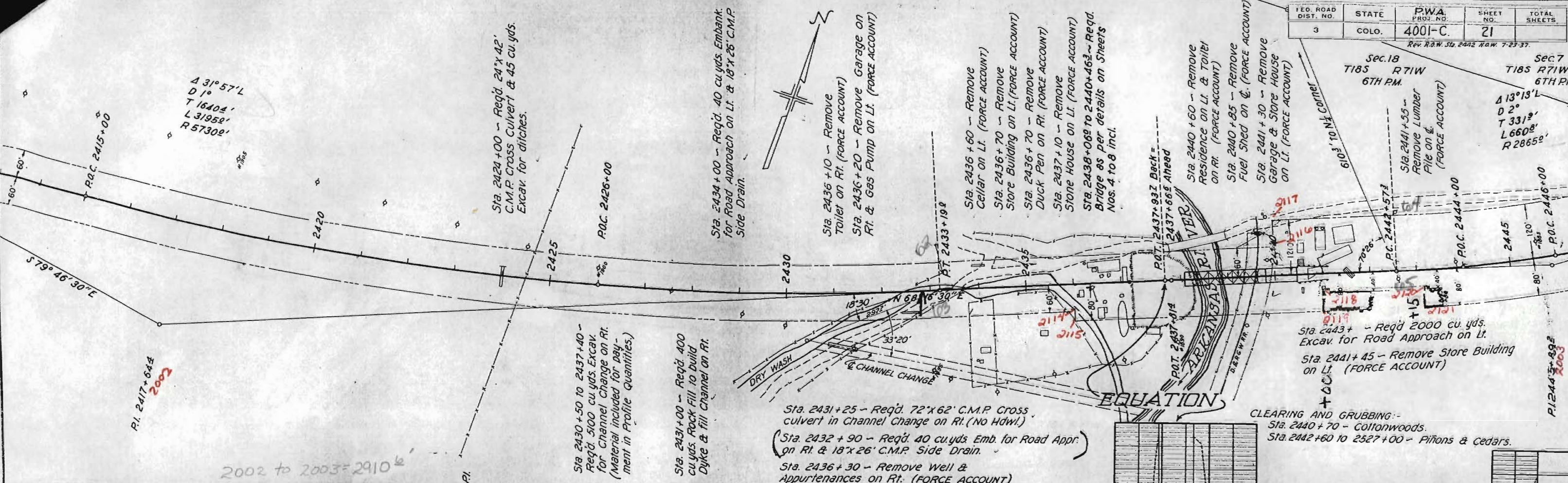


2001 to 2002 = 3362'



Excav.
C.Fact.
X Fact.
mb.
Narrow
Yard
Mi. 0.1

Channel Change Right Side 2430 to 2437



STRUCTURE NOTES FOR BRIDGE STA 2438+06 TO STA 2440+46 - STRUCTURE NO. K-15-1

PRESENT STRUCTURE		PROPOSED STRUCTURE	
SPAN	120'-6"	POSITION REFERRED TO PRESENT STR.	80' South
CLEAR ROADWAY	15'-0"	SPAN	280.30'
CLEAR WATERWAY	9'-6"	CLEAR ROADWAY	30'-0"
TYPE OF SUPERSTR.	115' STEEL TRUSS WITH 7" PL	CLEAR WATERWAY	100' TO INTERIOR TRACK
TYPE OF SUBSTR.	1" CONC. ABOUT 6" MESH 12" MIN.	TYPE OF SUPERSTR.	115' THRU STEEL TRUSS SPAN 1'-60' CONC. 1' PL. ABOUT 12" MIN.
REQUIREMENTS AS TO REMOVAL		TYPE OF SUBSTR.	Reinf. CONC. About 4" Closed Type Pl. 2" About 12" Open Type

STREAM DATA:

DRAINAGE AREA	2800 ± SQ. MILES
VELOCITY DURING HIGH WATER	
ELEVATION OF:	
MAXIMUM HIGH WATER	5716
LOW WATER	5709
NORMAL STAGE	5711
DRIFT	

NEARBY STRUCTURES ON SAME STREAM:

LOCATION	
WATERWAY	
RECORD DURING FLOODS	

Access from road to be used to remove embankment within 15' haul distance

Sec. 10
T18S R71W
6TH PM.

Sec. 7
T18S R71W
6TH PM.

FED. ROAD DIST. NO.	STATE	P.W.A. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	4001-C	22	

