COLORADO
STATE HIGHWAY DEPARTMENT

PLAN AND PROFILE OF PROPOSED
FEDERAL AID PROJECT NO. 267·H
STATE HIGHWAY NO. 12

LAS ANIMAS COUNTY

	STATE			TOTAL SHEETS
	COLO			

INDEX OF SHEETS

SCALES OF ORIGINAL TRACINGS

ON PLAN: 1 IN. = 100 FT.

ON PROFILE: 1 IN. = 100 FT. HORIZONTAL; 1 IN. = 10 FT. VERTICAL

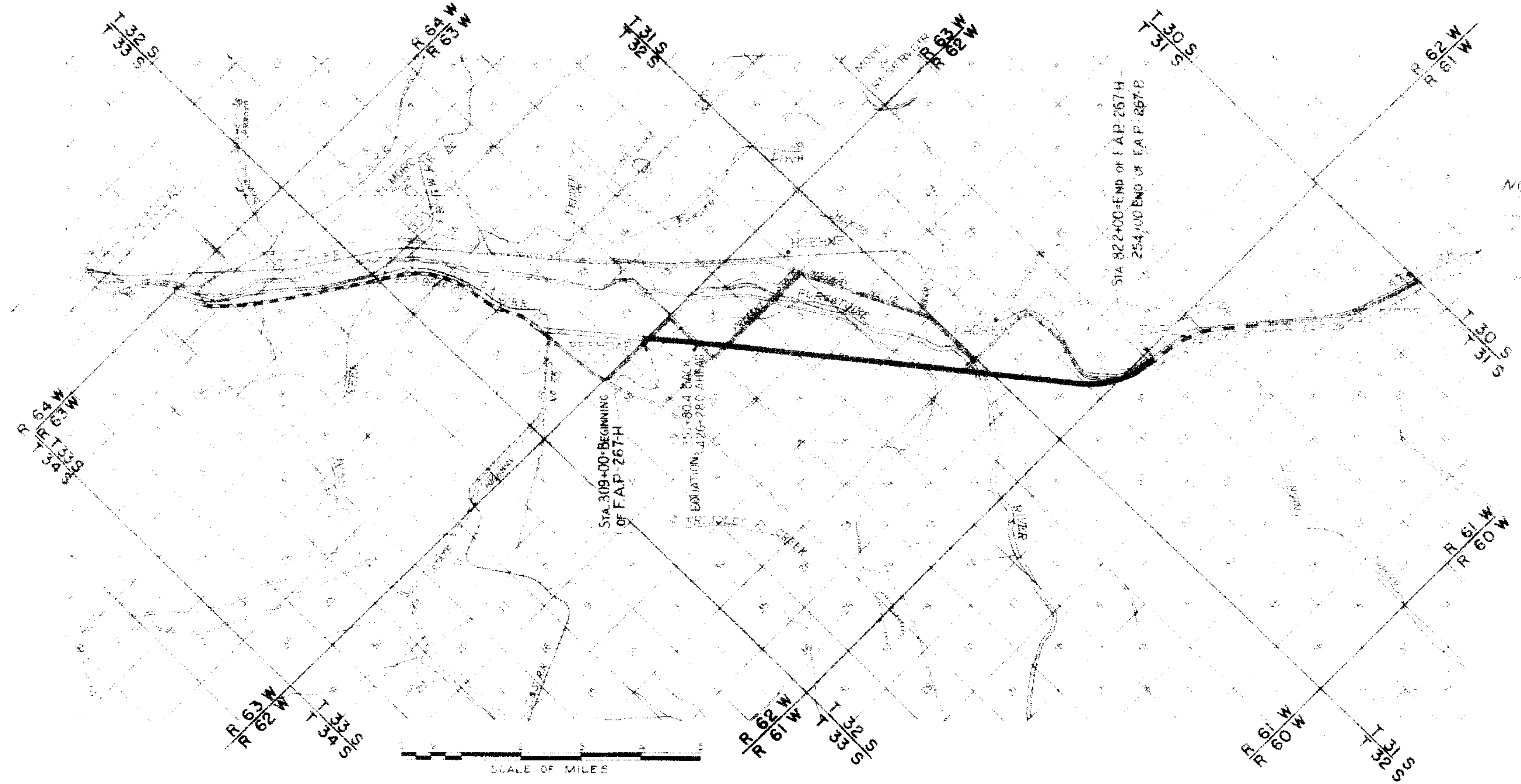
GRADE LINE ON PROFILE IS SHOWN AS GRADE OF FINISHED ROAD

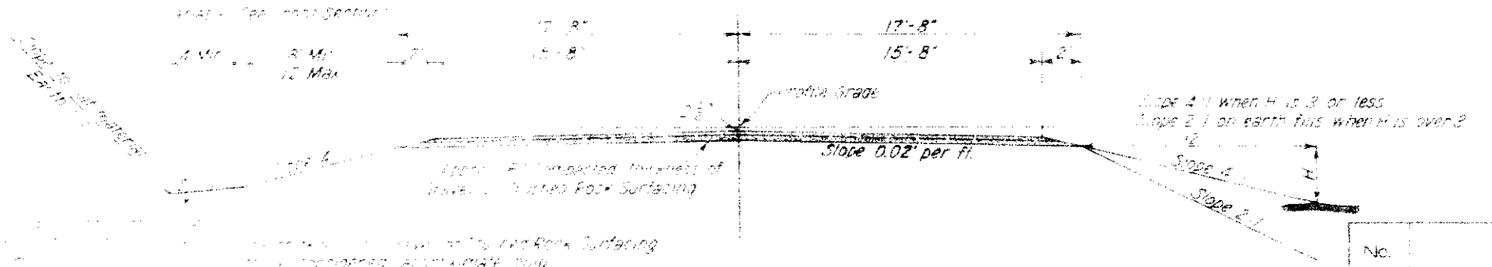
GROSS LENGTH OF PROJECT / NET LENGTH OF PROJECT: 44,936.4 Ft. = 8.511 Mi.

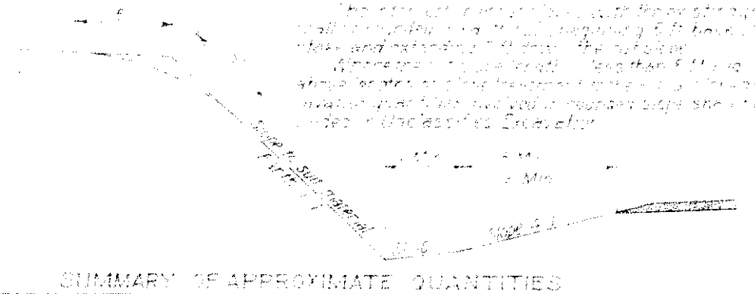
CONVENTIONAL SIGNS

Center line
Right of way lines
Township & Range line
Section line
One quarter section line
One sixteenth
Board fence
Barbed wire fence
Telephone line
Wire cable guard fence

NOTE -







TYPICAL CROSS SECTION OF IMPROVEMENT AND SUMMARY OF QUANTITIES

TYPICAL SECTION

[illegible] Crushed Rock Surfacing [illegible] approximate only [illegible] to be placed in two courses [illegible] approximately 4" in thickness [illegible] approximately 2" [illegible]

CUT SLOPE TREATMENT IN EARTH CUTS

[illegible] back [illegible] and extending [illegible] Where [illegible] less than 5 ft [illegible] shall not be [illegible] Unclassified Excavation

GENERAL NOTES

[illegible]

WIRE CABLE GUARD FENCE

STATION	CROSS	LEFT	RIGHT
[illegible] to 446+75		63	63
[illegible] to 44[illegible]+347		63	67
[illegible] to 653+676		65	[illegible]
658+22[illegible] to 659+355		[illegible]	[illegible]
704+[illegible] to 7[illegible]+77[illegible]		6[illegible]	63
[illegible] to [illegible]+35[illegible]		63	[illegible]
756+65[illegible] to 757+765		36	36
758+42[illegible] to 759+355		9[illegible]	93
700+85	.04		
TOTAL LENGTH		[illegible]	

R.O.W. MARKERS

STATION	LEFT	RIGHT	STATION	LEFT	RIGHT
[illegible]			[illegible]		
[illegible]			628+[illegible]		
[illegible]			636+[illegible]		
[illegible]+85			638+30		
[illegible]			638+[illegible]		
[illegible]	[illegible]	[illegible]	639+73		
34[illegible]+[illegible]			651+74		
34[illegible]+[illegible]			652+[illegible]		
[illegible]+35			664+00	[illegible]	[illegible]
356+38			679+548		
357+15			679+677		
367+56			680+963		
[illegible]+08			68[illegible]+092		
440+00	[illegible]		692+00	[illegible]	[illegible]
448+24			[illegible]	[illegible]	[illegible]
[illegible]+08			718+63		
[illegible]+30			[illegible]		
457+45			722+48	[illegible]	
468+70			723+72		
[illegible]+65			752+45		
482+[illegible]			753+25		
483+09			757+00	[illegible]	[illegible]
509+21			765+05		
510+69			766+46		
514+66			792+70		
5[illegible]+62			795+78		
549+76			797+57		
550+74			797+97		
551+52			807+38		[illegible]
553+02			819+67		
564+[illegible]			819+82		
585+13			822+00		[illegible]
594+35					
595+80					
			TOTAL	93	

SUMMARY OF APPROXIMATE QUANTITIES

No.	ITEM	UNIT	CONST. DIV. No. [illegible] ROAD [illegible]	CONSTRUCTION DIVISION No. 2			TOTALS CONST. [illegible]		
[illegible]	Clearing and grubbing [illegible]	L.S.	•				•		
[illegible]	Removal of [illegible] Structures	L.S.	•				•		
[illegible]	Removing [illegible]	[illegible]	[illegible]				[illegible]		
13c	Unclassified Excavation	Cu.Yd.	[illegible]				[illegible]		
[illegible]	Cut Slope Treatment	M.Sta.	42				42		
[illegible]	Dry Rock Excav. Struct.	Cu.Yd.	[illegible]				550		
[illegible]	[illegible]		[illegible]				[illegible]		
[illegible]	[illegible]		[illegible]				[illegible]		
[illegible]	[illegible]		[illegible]				[illegible]		
18a	Station Yard Overhaul	Sta. Yd.	[illegible]				[illegible]		
18[illegible]	Yard Mi[illegible]	[illegible]	[illegible]				[illegible]		
[illegible]	[illegible] Rock Surfacing	Ton	[illegible]				[illegible]		
44a	Miscellaneous [illegible]	[illegible]	[illegible]				[illegible]		
45a	Class "A" Concrete	Cu.Yd.	33				33		
45c	Class "B"		[illegible]				[illegible]		
47	Reinforcing Steel	[illegible]	[illegible]				[illegible]		
53[illegible]	[illegible] Corrugated Metal Culvert Pipe	Lin. Ft.	1562				156[illegible]		
53[illegible]	24"		778				778		
53[illegible]	[illegible]		[illegible]				[illegible]		
53[illegible]	36"		[illegible]				[illegible]		
53[illegible]	48"		38				34		
55[illegible]	18" [illegible]		458				458		
55[illegible]	24"		[illegible]				[illegible]		
55[illegible]	30"		[illegible]				[illegible]		
55[illegible]	36"		284				284		
7[illegible]	Wire Cable Guard Fence	[illegible]	1276				1276		
7[illegible]	[illegible] Fencing [illegible]		55000				55000		
76a	Gates	Each	65				65		
81a	Project Markers	Each							
81b	Right of Way Markers		93				93		
8[illegible]	Cattle Guards [illegible] Roadway		[illegible]				[illegible]		
85a	Trash Guards for 18" Siphons		[illegible]				[illegible]		
85[illegible]	24"		[illegible]				[illegible]		
85[illegible]	30"		[illegible]				[illegible]		
85[illegible]	36"		[illegible]				[illegible]		
	FORCE ACCOUNT ITEMS								
	Remove House from R.O.W. 474+		•				•		
	Bunk House from 475+		•				•		
	Adobe 626+		•				•		
	Wagon Scales 551+		•				•		
	ALTERNATE BIDS [illegible] REINFORCED CONCRETE CULVERT PIPE: As an alternate for Items [illegible] 53b, 53c, 53d, 53e and 53g, the following items [illegible]								
51[illegible]	[illegible] Concrete Culvert Pipe	Lin. Ft.	1362				1362		
51c	24"		778				778		
51d	30"		672				672		
51e	36"		[illegible]				[illegible]		
51g	48"		38				38		

LIST OF STRUCTURES

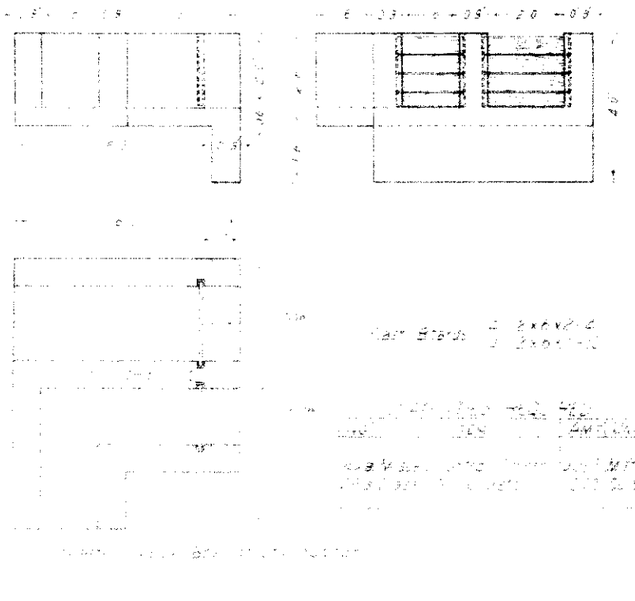
FED. ROAD DIV. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
[illegible]	COLO	[illegible]	[illegible]	[illegible]

Station	Description	Remove Struct.	Unclassified cu. yd. Excav.	Unclassified cu. yd. Emb.	Structural Excav. cu. yd.	Gr. or Cr. Rock Surf Tons	Concrete cu. yd. Cl. "A"	Concrete cu. yd. Cl. "B"	Reinf. Steel lbs.	Corrugated Metal Pipe lin. ft. 18"	24"	30"	36"	48"	Corrugated Metal Siphon Pipe lin. ft. 18"	24"	30"	36"	Trash Guards each 18"	24"	30"	36"	Cattle Guards 16 Rows each	Miscell. Untr'd Timber M.B.M.	Miscellaneous
309+00	Project Marker																								1 Project Marker
309+35	CMP Cross Culvert, Skew 60° Lt				5			5.00						72											
310+00	Road Apprs. Lt & Rt & CMP Side Drain, Rt			80	15	30				40															
310+66	CMP Culvert in Irrig. Ditch, Skew 50° Lt				5			1.10		70															
312+39	Road Apprs & CMP Side Drains, Lt & Rt			30	15	20				26 26															
317+00	CMP Culvert in Irrig. Ditch & Inlet & Outlet Also CMP Side Drs, Lt & Rt		15		35			No Hdwl		28 102 14 12															
320+00	Road Apprs & Side Drains, Lt & Rt			30	15	20				26 26															
328+04	18"x72' CMP Siphon, Skew 45° Rt, H=3.5				90		3.50		255						76				2						
330+40 to 334+20	Irrigation Ditch, Rt		45																						
336+60	Road Apprs & Side Drains Lt & Rt			50	25	20				30 30															
336+86	24"x176' CMP Siphon, Skew 45° Rt, H=3.5				95		4.25		260							182				2					
345+00	Road Apprs & Side Drains Lt & Rt			30	15	20				26 26															
357+52	Road Apprs & Side Drains, Lt & Rt			45	30	45				56 56															
426+43	24"x195' CMP Siphon, Skew 40° Rt, H=3.5				130		4.25		260							20[illegible]				2					
432+00	Road Apprs & CMP Side Drains, Lt & Rt			50	15	20				26 26															
439+00	Road Apprs & CMP Side Drains, Lt & Rt			15	40	20				32 L 28 R															
44[illegible]+20 to 44[illegible]	Bridge	(See Summary – Construction Division No 2)																							
449+61	Road Apprs.			5		30																			
450+06	24"x130' CMP Siphon Skew 54° Lt, H=1.5				45		4.25		260							135				2					
454+50	24"x157' CMP Siphon Skew 40° Rt, H=3.6				115		4.25		260							163				2					
456+00	Road Apprs & CMP Side Drains Lt & Rt			20	20	20				28 28															
460+90	36"x[illegible]6' CMP Siphon, Skew 75° Rt, H=2.5 & Ditch Change, Rt			40	100		6.25		320									3[illegible]				2			
463+00	Road Apprs & CMP Side Drains Lt & Rt			45	10	20				26 26															
46[illegible]+85 to 469+[illegible]	Ditch Change, Rt		20	175																					
466+40	36" x [illegible] CMP Siphon, Skew 50° Lt, H=2.0				125		6.25		320									[illegible]							
467+30	Road Apprs & CMP Side Drain Rt Also 30" CMP Culv in Irrig. Ditch			200	5	10				32		26													
[illegible]	Irrigation Ditch Lt		80																						
474+30	Road Apprs & CMP Side Drains Lt & Rt			35	20	30				[illegible]															
474+52	[illegible] Siphon Skew 75° Lt, H=2.5 Ditch Change, Lt		10		80		4.25		260							[illegible]									[illegible]
[illegible]	[illegible] Fence Acct																								[illegible]
[illegible]	[illegible] Fence Acct																								[illegible]
477+25	[illegible] CMP Siphon [illegible] H=3.5				115		4.25		260							88									
480+00	Road Apprs & CMP Side Drains Lt & Rt			15	20	20				28 28															
484+00	[illegible] CMP Siphon, Skew 75° [illegible] Ditch Change [illegible]			25	145		6.25		320									34							
[illegible]	[illegible]			35	20	30				30															
[illegible]	[illegible] Ditch Change [illegible]			45	30		[illegible]		[illegible]							[illegible]									
[illegible]	Ditch Change Lt		[illegible]	[illegible]																					
49[illegible]+75	[illegible] H=3.5				145		[illegible]		[illegible]							[illegible]									
[illegible]	[illegible] Irrig. Ditch			260	5	[illegible]				36		26													
[illegible]	Road Apprs [illegible]			40	20	[illegible]				28															
[illegible]	[illegible] H=3.5				[illegible]		[illegible]		[illegible]							[illegible]									
[illegible]	[illegible]		[illegible]																						
[illegible]	[illegible]			[illegible]	[illegible]	30				40															
[illegible]	[illegible]				20						24														
[illegible]	[illegible]			[illegible]	[illegible]		[illegible]		260							[illegible]									
[illegible]	[illegible]		[illegible]																						
[illegible]	[illegible]		45		30			No Hdwl		[illegible]															
[illegible]	[illegible]		45																						
[illegible]	[illegible]				90			No Hdwl				30													
[illegible]	Road Apprs & CMP Side Drains Lt & Rt				[illegible]	[illegible]				[illegible]															
[illegible]	[illegible]				[illegible]		[illegible]		[illegible]							[illegible]									
[illegible]	[illegible]		[illegible]																						
[illegible]	[illegible]		85	[illegible]																					
[illegible]	[illegible] & CMP Side Drains [illegible]				25			No Hdwl		[illegible]	[illegible]														
[illegible]	[illegible]			[illegible]		[illegible]																			
[illegible]	Ditch Change [illegible]		[illegible]																						
[illegible]	Road Apprs & Side Drains [illegible]			30	[illegible]	[illegible]				[illegible]															
[illegible]	[illegible]				35		[illegible]	No Hdwl		[illegible]															
[illegible]	[illegible]		[illegible]																						
[illegible]	[illegible]		[illegible]	55																					[illegible]
[illegible]	[illegible] Irrig. Ditch [illegible]			5		20				[illegible]															
[illegible]	[illegible]			[illegible]	[illegible]			No Hdwl		[illegible]	[illegible]														
[illegible]	Road Apprs & CMP Side Drains Lt & Rt			75	[illegible]	20				[illegible]															
[illegible]	[illegible]		25		40			5.00						20											
[illegible]	Irrigation Ditch [illegible]		20																						
[illegible]	[illegible]				[illegible]			No Hdwl		[illegible]	30														[illegible]
[illegible]	[illegible]		20																						
[illegible]	Road Apprs & CMP Side Drains Lt & Rt			[illegible]	[illegible]	[illegible]				[illegible]															
[illegible]	[illegible] Irrigation Ditch Lt & Rt																								
[illegible]	CMP Culvert & [illegible]		50		25			[illegible]			26														
[illegible]	Concrete [illegible] Box, Rt				5		[illegible]																		
[illegible]	Irrigation Ditch [illegible]			450																					[illegible]
[illegible]	[illegible] CMP Siphon, Skew 55° Lt, H=2.0				75		4.25		[illegible]							[illegible]				[illegible]					
[illegible]	Road Apprs & CMP Side Drains Lt & Rt			35	30	20				[illegible]															
[illegible]	Irrigation Ditch Lt		[illegible]	200																					
[illegible]	[illegible]				75		4.25		[illegible]							[illegible]									
[illegible]	[illegible] Ditch [illegible]			35																					
[illegible]	[illegible] Box [illegible]				5		.70																		
[illegible]	Ditch Change [illegible]			[illegible]																					[illegible]
[illegible]	Road Apprs & CMP Side Drains Lt & Rt			60	50	30				[illegible]															
	Sheet Totals	2	1375	3045	2530	545	8403	1440	4645	1916	686	206		138	76	1864	204	386	[illegible]	[illegible]	[illegible]	[illegible]		155	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO	[illegible]	[illegible]	

LIST OF STRUCTURES (CONTINUED)

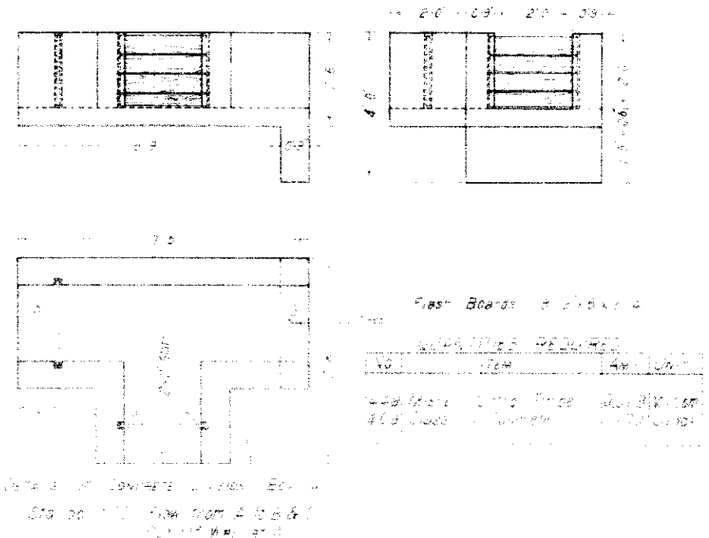
Station	Description	Remove Struct	Unclassified Cu. Yd. Excav.	Unclassified Cu. Yd. Emb.	Structural Excav. Cu. Yd.	Gr. or Cr. Rock Surf. Tons	Concrete Cu. Yd. Cl. A	Concrete Cu. Yd. Cl. B	Reinf. Steel Lbs.	Corrugated Metal Pipe Lin. Ft. 18"	24"	30"	36"	48"	Corrugated Metal Siphon Pipe Lin. Ft. 18"	24"	30"	36"	Trash Guards Each 18"	24"	30"	36"	Cattle Guards 16 Row Each	Miscell. Untr'd Timber M. Ft. B.M.	Miscellaneous
588+10	24" x 28' CMP Siphon [illegible]				85		4.25		260							159				2					
58?+60	Road Approach & CMP Side Drains [illegible]			60	15	20				26 26															
58?+60 to 584+00	Ditch Change			200																					
592+94	[illegible]				65		1.70 4.25		260							133				2				[illegible]	
[illegible] to 603+30	Ditch Change			50																					
601+48	24" x 60' CMP Siphon [illegible]				110		4.25		260							68									
602+00	Road Approach & [illegible] Side Drain [illegible]			400	20	[illegible]				40		26													
602+86	[illegible]				50		3.50		255	30 30					[illegible]				[illegible]						
604+00	Road Approach & [illegible] Side Drain [illegible]			50	40	20																			
605+55	24" x 20' CMP Siphon [illegible]				90		4.25		260							28				[illegible]					
[illegible]	Ditch Change		[illegible]																						
608+00	Road Approach & Side Drain			20	5	10				28															
608+80 to 609+[illegible]	Ditch Change			30																					
609+81	18" x [illegible] CMP [illegible]				35		3.50		255						26										
609+92	Road Approach & [illegible] Side Drains [illegible]			40	70	20				28 28															
[illegible]	[illegible]				90		4.25		260							24									
[illegible] to 61?+20	Irrigation Ditch		40																						
[illegible] to 61?+00	Ditch Change		75																						
[illegible]	[illegible]				55			30 Flow		6 6	[illegible]														
[illegible]	Ditch Change		30																						
[illegible]	[illegible]		34		30 65 105		4.25	65	260	32 28	36 2					[illegible]									
[illegible]	[illegible]																								
Sub-Total This Sheet		[illegible]	1510	1485	1925	450	4638	[illegible]	[illegible]	446	1092	466	44		307	1033		38	[illegible]	16			2	[illegible]	
Total [illegible]		5	12890	4540	4455	995	[illegible]	[illegible]	[illegible]	3362	[illegible]	[illegible]	14	38	485	2947	[illegible]		[illegible]	[illegible]	2		[illegible]	[illegible]	



Flash Boards 4-2x6x2'-4
2-2x6x[illegible]

No.	Item	Amount
44-B	Misc. Untr. Timber	[illegible] M ft bm
40-B	Class A Concrete	[illegible] Cu Yds

Details of Concrete Diversion Box at Station [illegible]



Details of Concrete Diversion Box

Sta. [illegible] Flow from A to B & C
Cutoff Wall at [illegible]
Gates at B & C

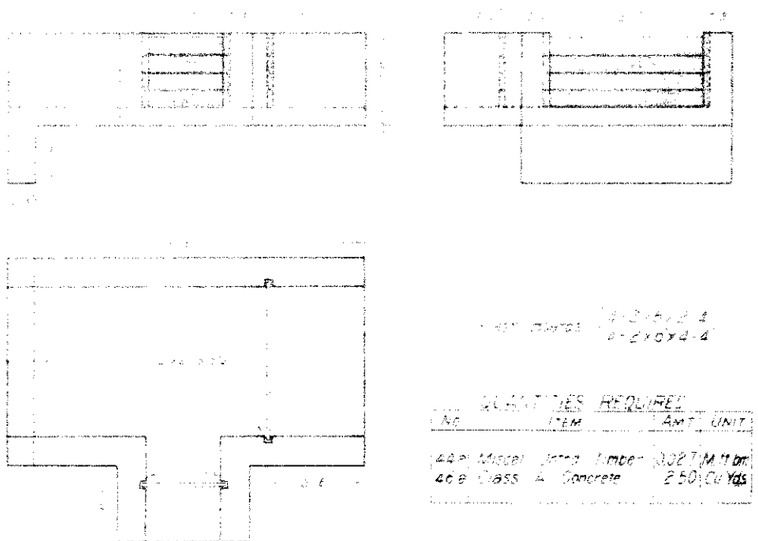
Sta. [illegible] Flow from B to [illegible]
Cutoff Wall at B
Gates at A & C

Sta. [illegible] Flow from C to A & B
Cutoff Wall at C
Gates at A & B

Flash Boards 8-2x6x[illegible]-4

QUANTITIES REQUIRED

No.	Item	Amount
44-B	Misc. Untr. Timber	[illegible] M ft bm
40-B	Class A Concrete	[illegible] Cu Yds



Flash Boards 4-2x6x2'-4
8-2x6x4'-4

QUANTITIES REQUIRED

No.	Item	Amt.	Unit
44-B	Miscel. Untrt. Timber	0.027	M ft bm
40-B	Class A Concrete	2.50	Cu Yds

Details of Concrete Division Box at Sta. 655+00

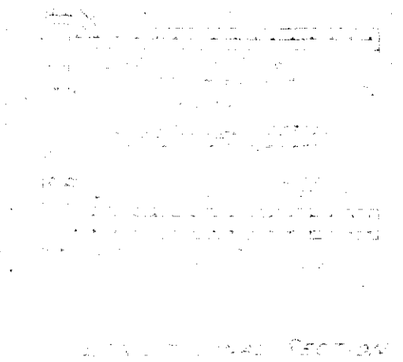
BARBED WIRE GATES

STATION	SIDE	NO. EACH
312+35	L&R	2
320+00		2
336+50		2
345+00		2
432+00		2
435+00		2
456+00		[illegible]
463+00		[illegible]
467+30	R	[illegible]
474+00	L&R	2
487+00		2
491+30		2
495+00		[illegible]
501+00	L&R	3
521+[illegible]		[illegible]
531+[illegible]	R	[illegible]
534+60		[illegible]
545+65	L&R	2
551+00		2
558+00		2
573+00		2
591+60		2
602+00	R	
604+00	L&R	2
608+00		
609+92	L&R	2
627+33		
630+00	L&R	2
634+00		
637+00	L&R	2
645+00		[illegible]
669+12		[illegible]
680+00		2
707+00		[illegible]
[illegible]+00		2
740+00		2
792+50		[illegible]
808+65	R	
817+29	R	
TOTAL		66

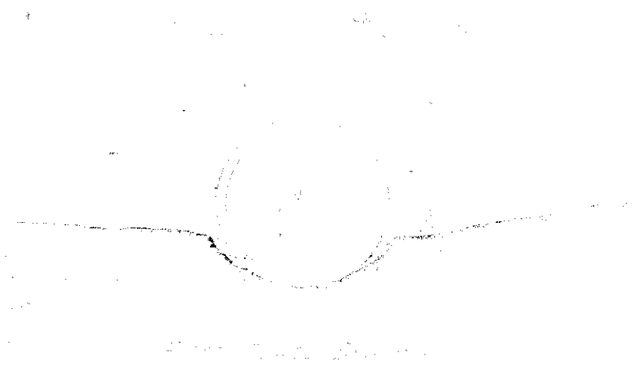
FENCING REQUIREMENTS

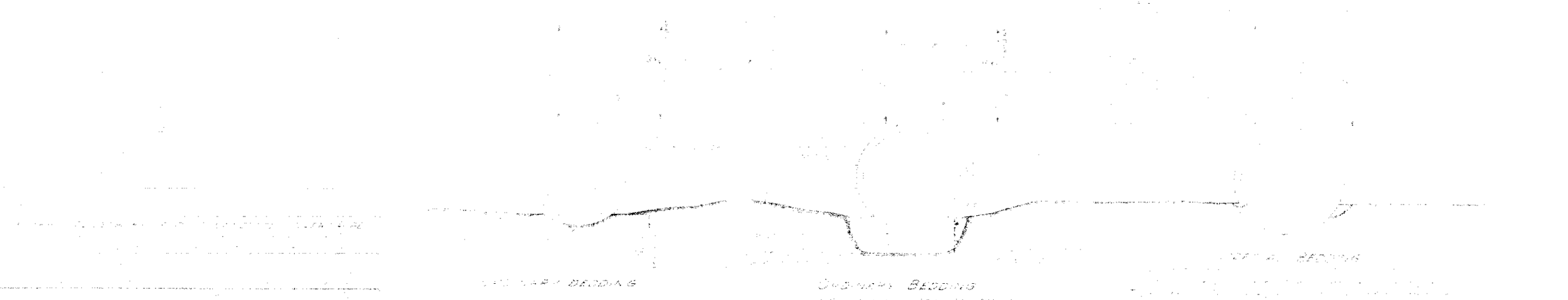
STATION	SIDE	REMOVE FENCE LIN. FT.	BUILD FENCE LIN. FT.
310+50	[illegible]	[illegible]	
318+25	[illegible]	[illegible]	
[illegible]+50 to 325+65	L&R	[illegible]	
335+50	[illegible]	55	
338+[illegible]	[illegible]	55	
356+85	[illegible]	[illegible]	
358+91	[illegible]	60	
425+30	[illegible]	[illegible]	
431+60	[illegible]	55	
[illegible]	[illegible]	[illegible]	
[illegible]	L&R	[illegible]	
[illegible]	L&R	385	
[illegible]	L&R	[illegible]	
693+80	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible] to 358+[illegible]	L&R		[illegible]
[illegible] to 429+00			4342
[illegible]			2274
[illegible] to 584+[illegible]			4390
[illegible] to 604+[illegible]			20
604+[illegible] to [illegible]			5075
[illegible] to 65[illegible]+00	R		2508
[illegible] to 678+[illegible]	R		2020
678+00 to 809+40			[illegible]
619+50 to 822+00	R		[illegible]
TOTALS		[illegible]	8516

STANDARD M-112-C

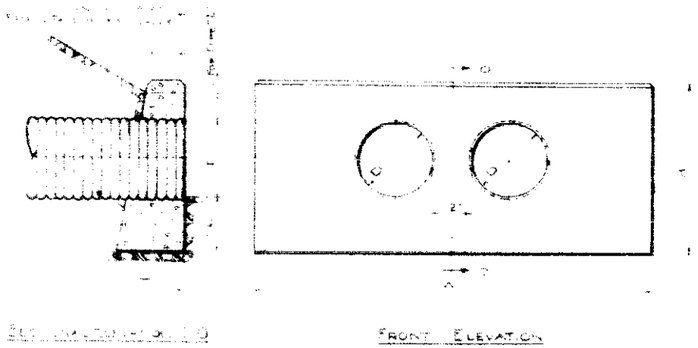


LONGITUDINAL SECTION





COLORADO



STANDARD M-102-E

	Sheet No.	Total Sheets
2774	7	

SECTIONAL ELEVATION D-D   FRONT ELEVATION

TABLE OF DIMENSIONS & QUANTITIES FOR DOUBLE CORRUGATED METAL PIPE CULVERT & HEADWALLS

[illegible]

SECTIONAL ELEVATION G-G   HALF FRONT ELEVATION TYPE "C"   HALF FRONT ELEVATION TYPES "A" & "B"

TABLE OF DIMENSIONS & QUANTITIES FOR CORRUGATED METAL PIPE CULVERTS & HEADWALLS

[illegible]

LONGITUDINAL SECTION F-F   SECTIONAL ELEVATION F-F

TABLE OF DIMENSIONS & QUANTITIES FOR INCASED PIPE CULVERT

Diameter of Pipe	12	15	18	24	[illegible]
Width of Headwall	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Height of Headwall	[illegible]	4' 2"	4' 5"	[illegible]	[illegible]
A Bars	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
B Bars	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
C Bars	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SECTIONAL ELEVATION B-B

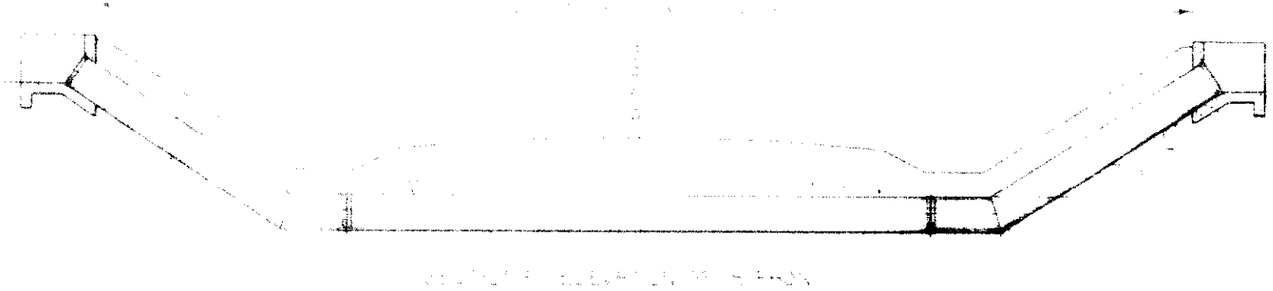
INTERCEPTING HEADWALLS.

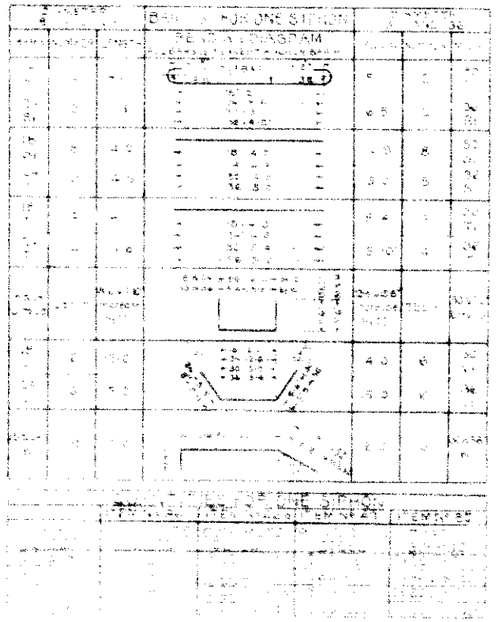
PLAN OF HEADWALL   TYPE "G"   SECTION H-H

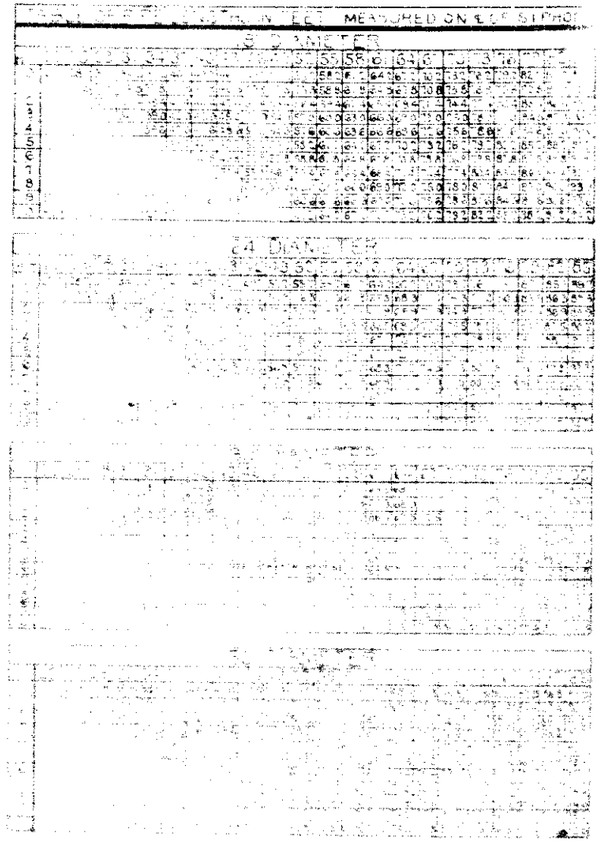
STANDARD HEADWALLS FOR CORRUGATED METAL PIPE CULVERTS

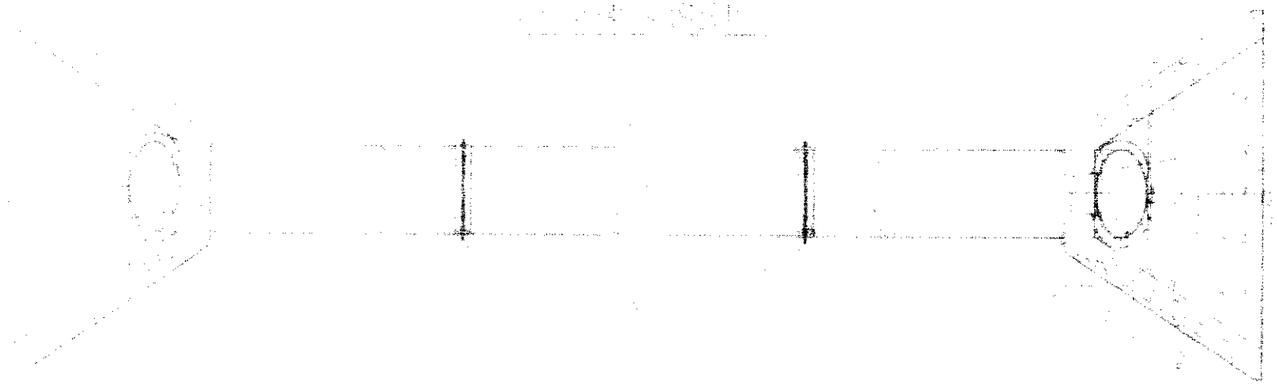
COLORADO

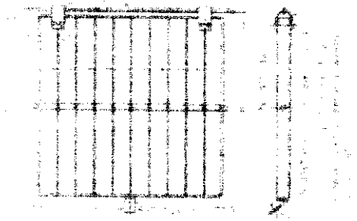
STANDARD M-123-A

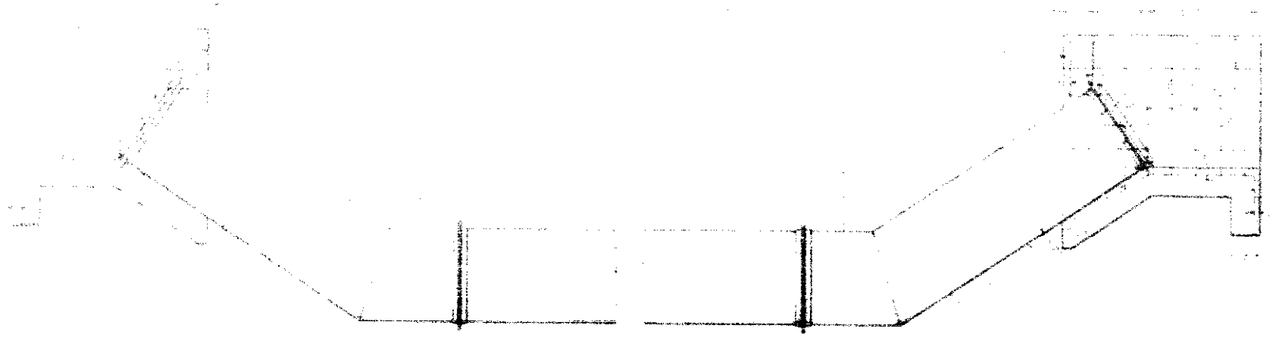


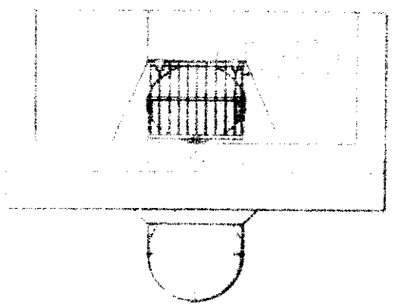








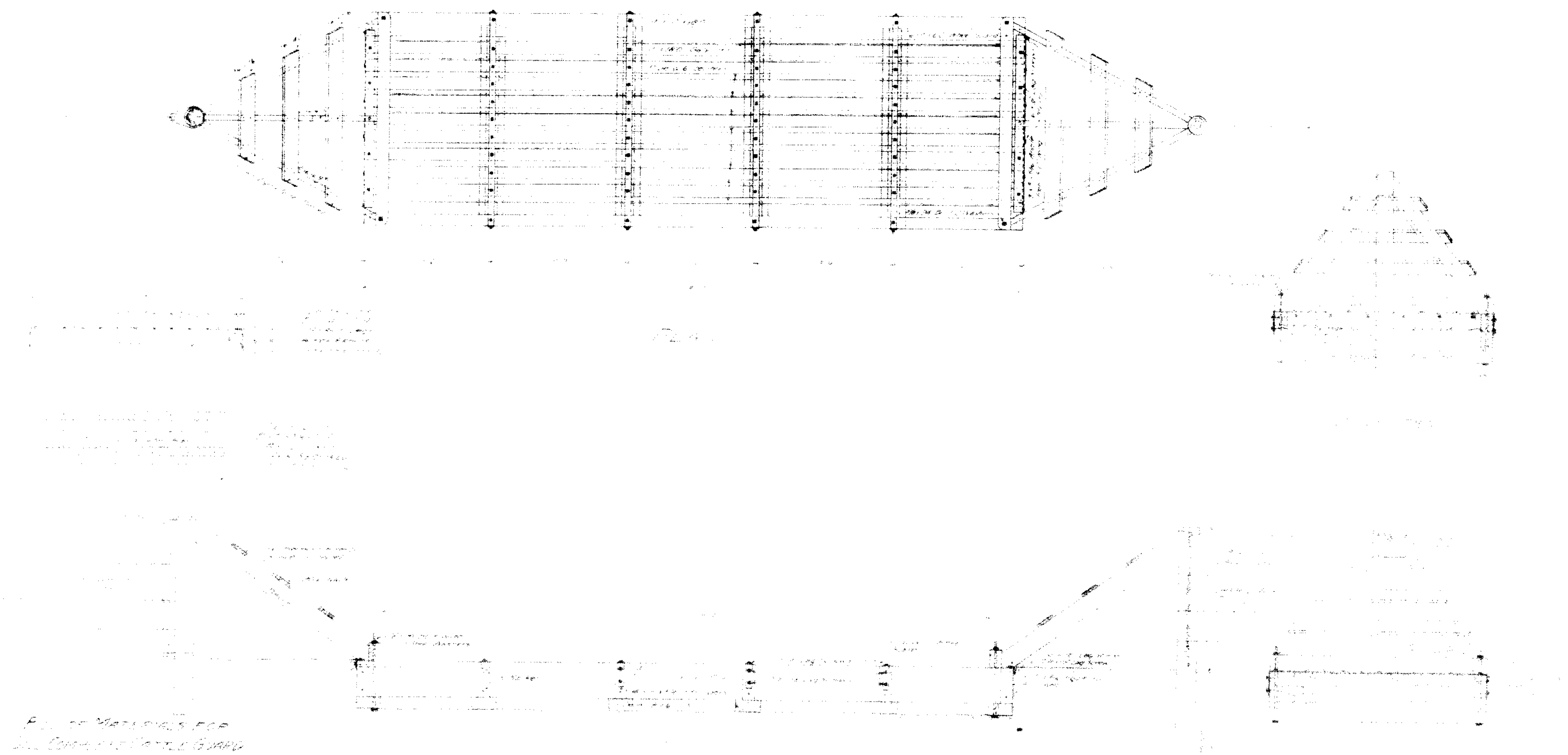




FRONT ELEVATION

COLORADO

STANDARD M-16-A



General Notes

COLORADO
State Highway Department

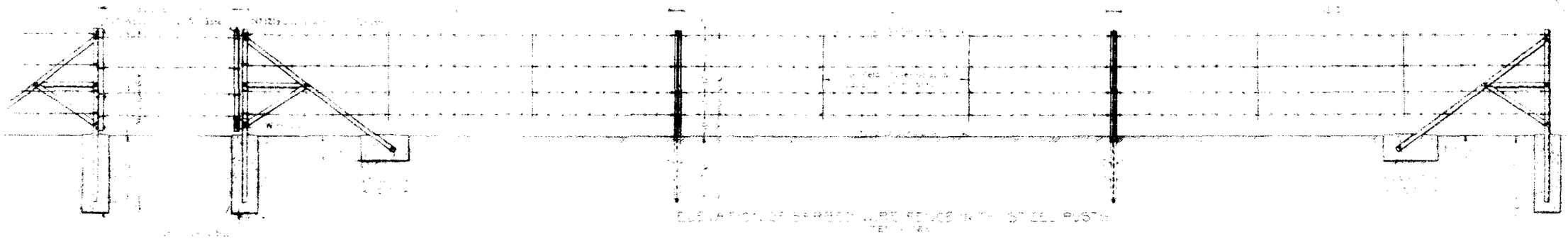
Designed by | Approved by
Checked by | Date

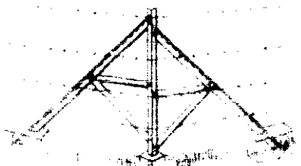
2571	9	

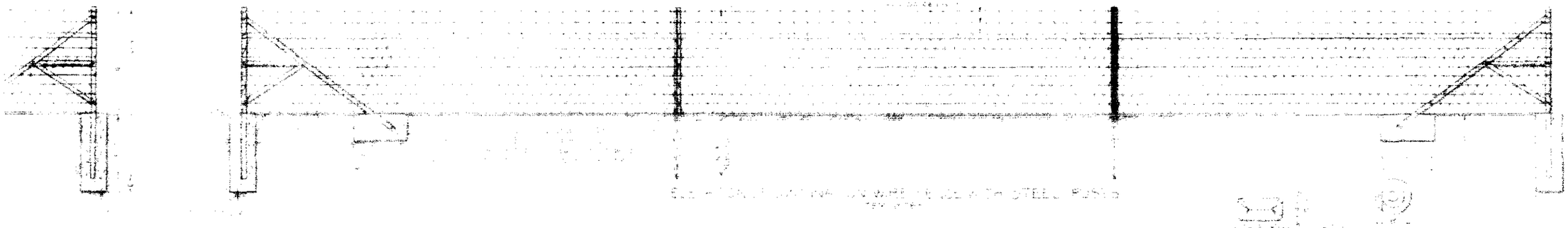
STANDARD M-20-A

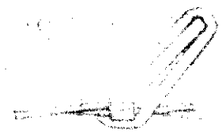
STANDARD M-27-A

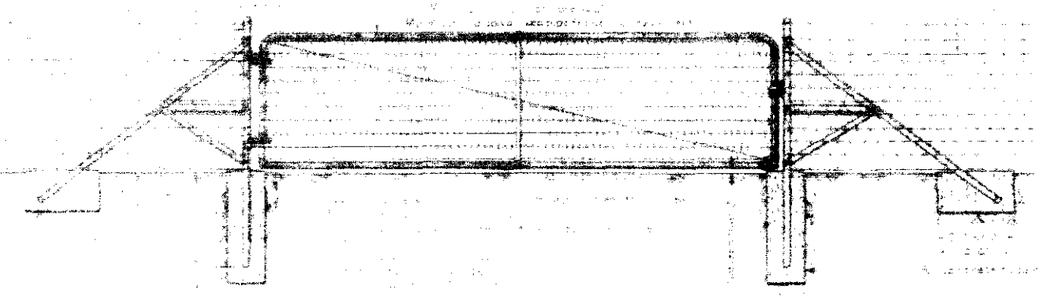
SHEET 207H 11

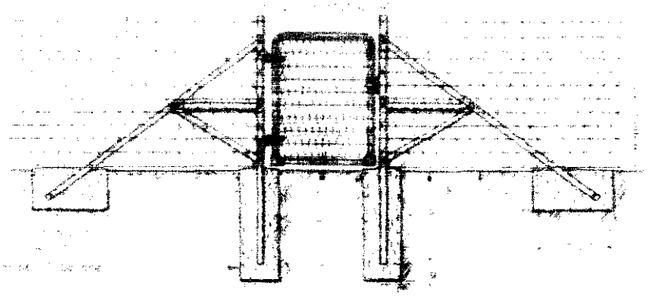


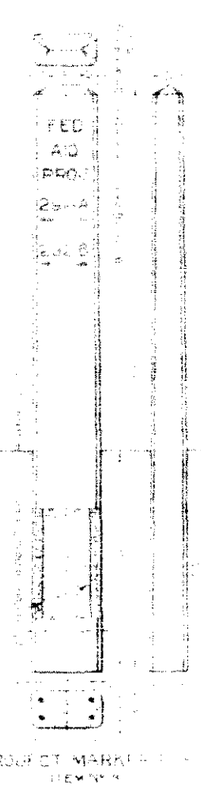








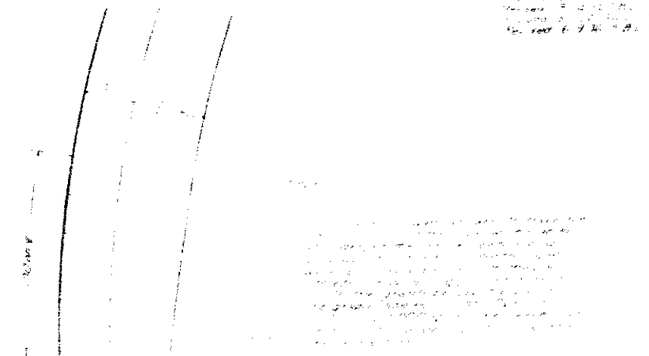


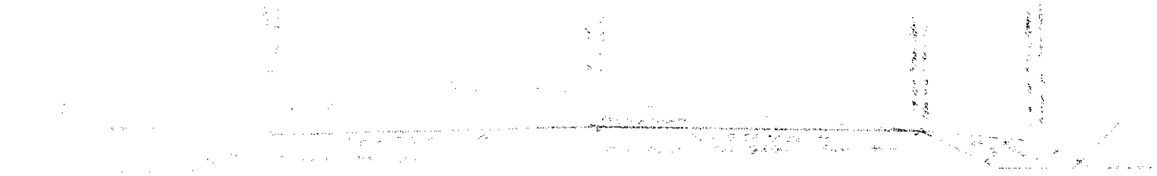


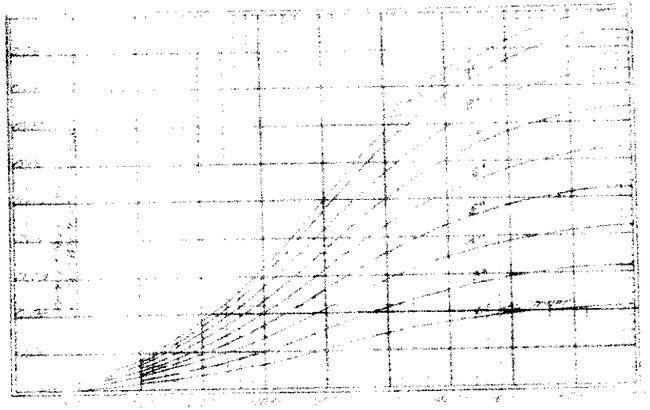
STANDARD M-1-A

PROJECT	SHEET	TOTAL SHEETS
2670	12	

PAVEMENT SECTION

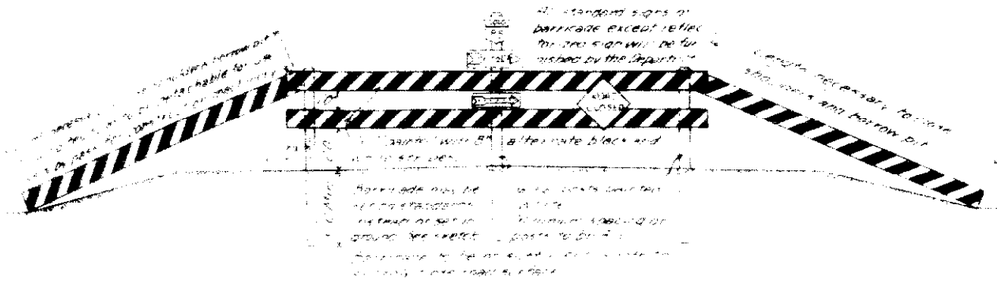


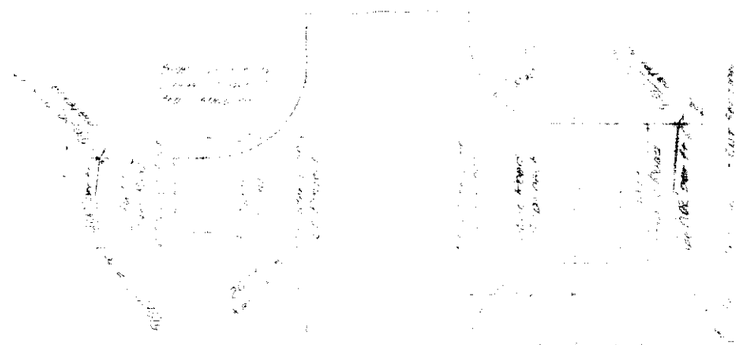




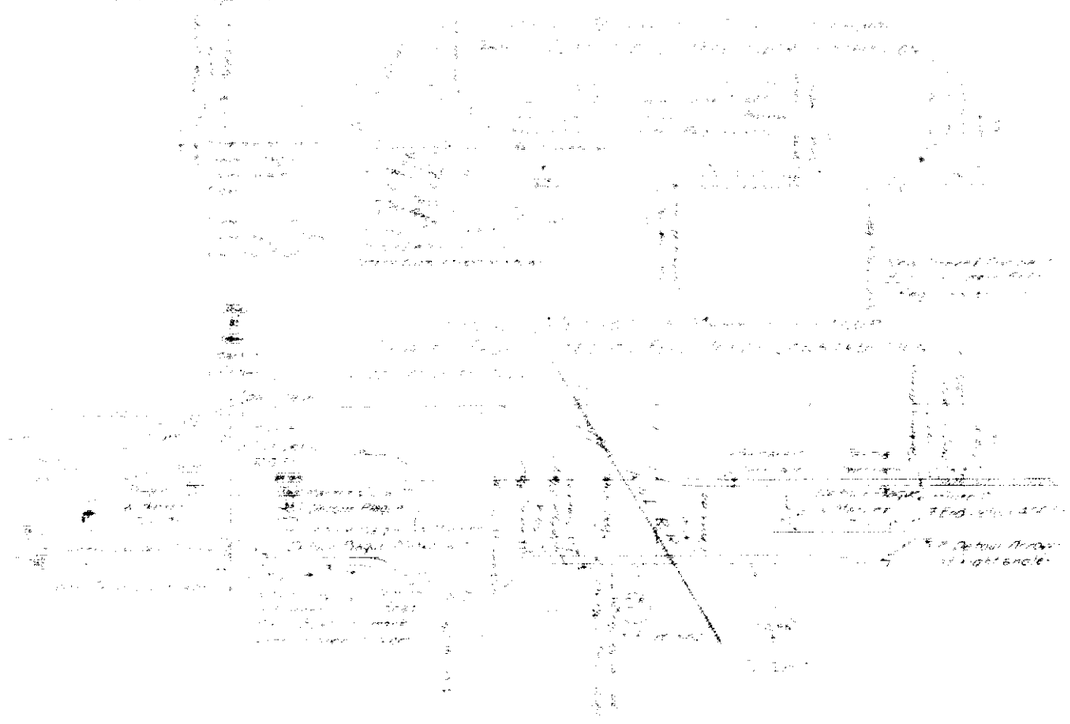
COLORADO
STATE HIGHWAY

STANDARD
M-2-B





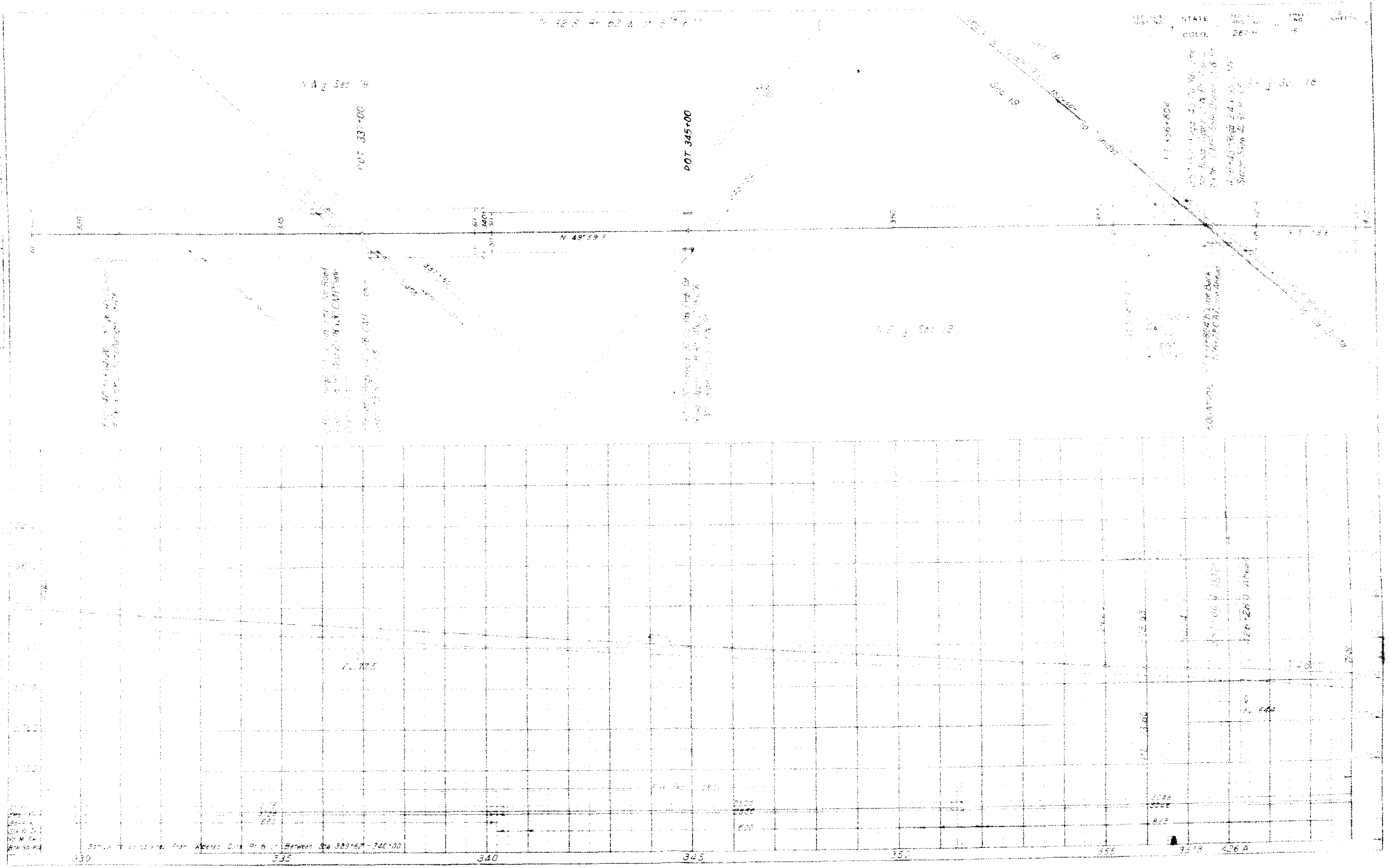
SLOW
ROAD UNDER
CONSTRUCTION



COLORADO

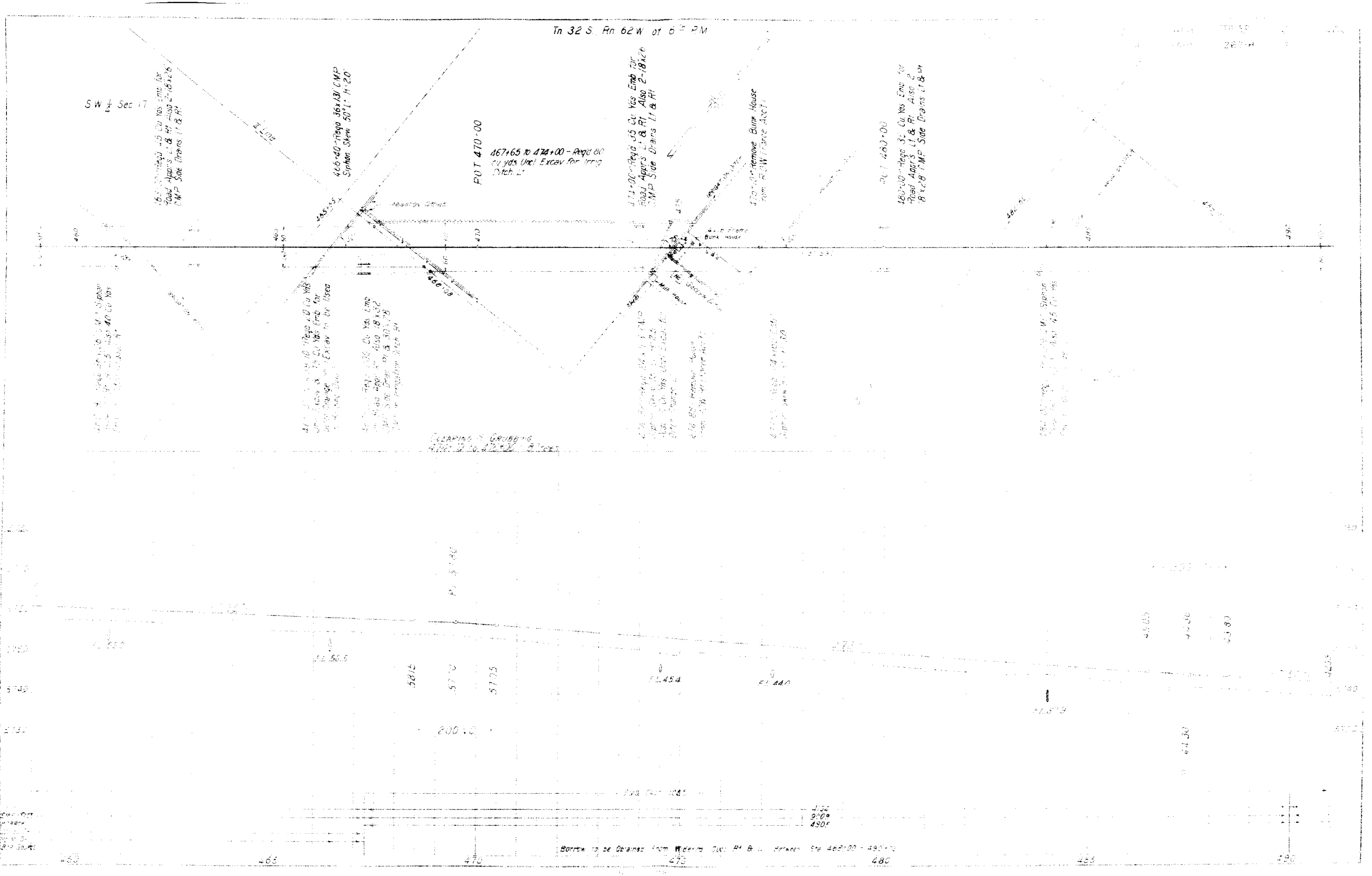
FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
[illegible]	COLO.	[illegible]	4	

NOTE Poles encroaching on the Right of Way are to be moved by owners.
Fencing and gates required are tabulated on Sheet Nº 5.
Right of Way Markers and Guard Fence required are tabulated on Sheet Nº 2.
[illegible]

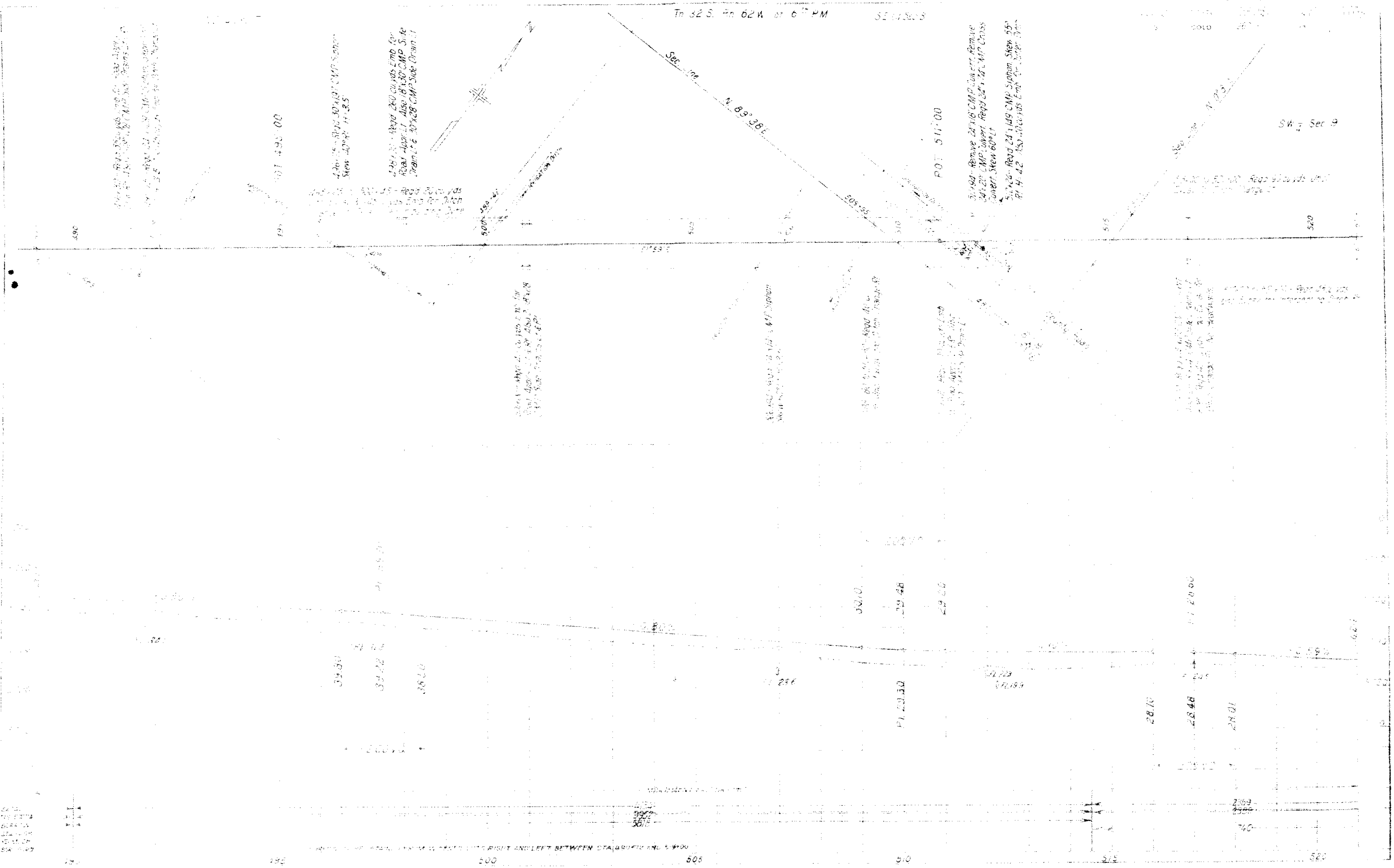


STATE
COLO.
15
POT. 337+00
POT. 345+00
N 49° 59' E
330
335
340
345
350
355

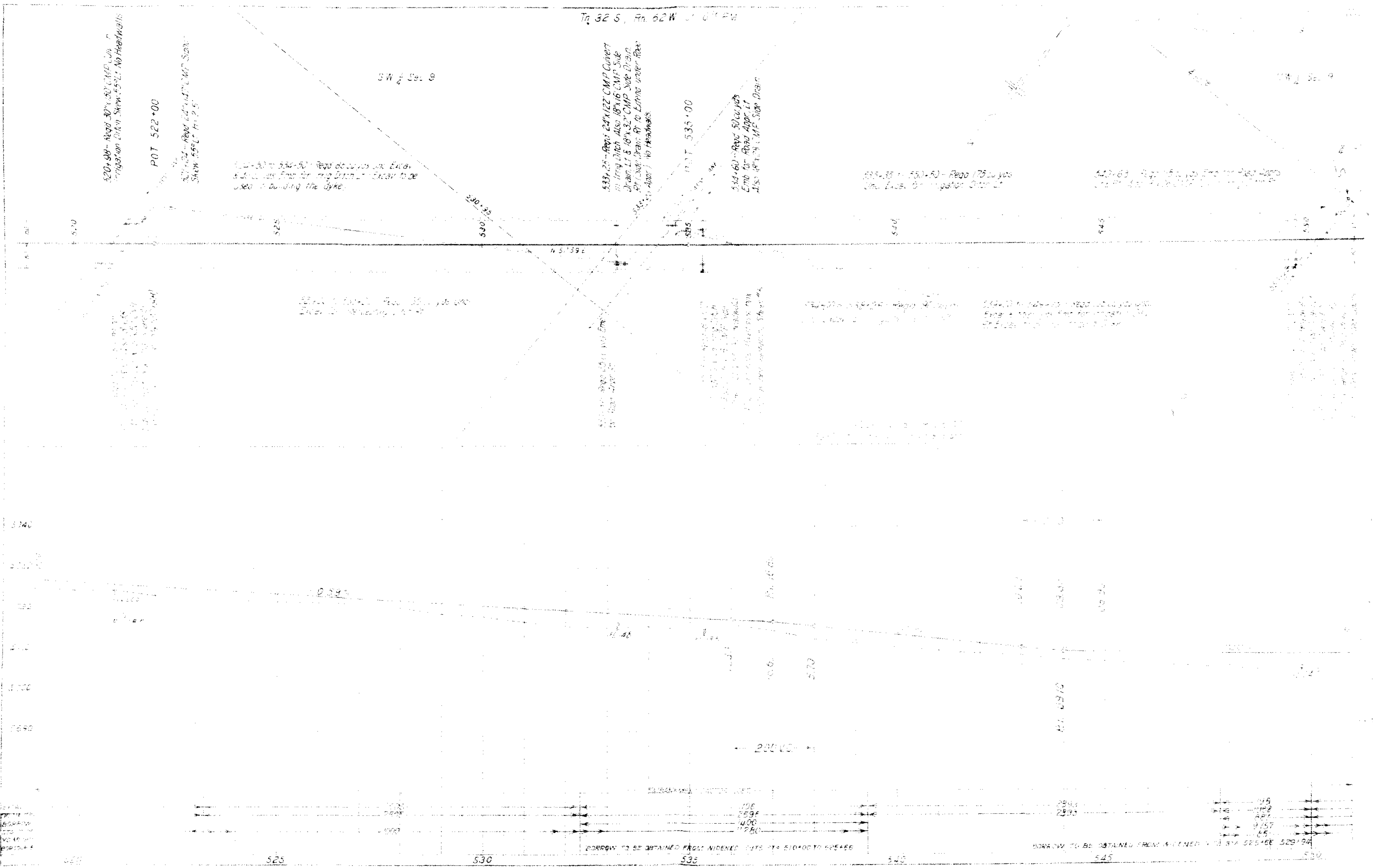
Tn 32 S. Rn 62 W of 6th P.M.
S.E. ¼ Sec 18.
Dry Arroyo
CONSTRUCTION Division No. 2
446+20 to 447+19 ~ Reqd Rdwy as
per Detail on Sheets No.
Reqd 5 Cu Yds Emb for Road
Apprs 1 & Rt
P.O.T. 449+00
Sec 18
Sec Line
Sec 17
Highway
S.W. ¼ Sec 17
435
440
445
450
455
460.00
300 V.C.
El. 54.30
El. 54.40
El. 58.0
53.44
53.58
62.18
BORROW TO BE OBTAINED FROM WIDENED CUTS
BORROW TO BE OBTAINED FROM WIDENED CUTS
RT & LT BETWEEN STA. 432+00 & STA. 445+00
22.70
927
CONSTRUCTION DIV. No. 2
430
435
440
445
450
455
460



Tn 32 S. Rn 62 W of 6th P.M.
SW ¼ Sec 17
466+40 - Reqd 36x131 CMP Siphon. Skew 50° Lt H=2.0'
POT 470+00
467+65 to 474+00 - Reqd 80 cu yds Uncl Excav for Irrig Ditch Lt
Road Appr's Lt & Rt Also 2-18x26 CMP Side Drains Lt & Rt
Remove Bunk House
Bunk House
POT 480+00
480+00 - Reqd 32 Cu Yds Emb for Road Appr's Lt & Rt Also 2 18x28 CMP Side Drains Lt & Rt
Clearing & Grubbing
FL 454
FL 440
465
470
475
480
485
490



Tp 32 S. Rn 62 W. of 6th PM
Sec. line
N. 89° 38' E
SW 1/4 Sec 9
POT 511+00
Remove 24"x16' CMP Culvert. Remove 24"x20' CMP Culvert. Reqd 24"x 72' CMP Cross Culvert. Skew 60° Lt.
Reqd 24"x 149' CMP Siphon. Skew 55°
500
505
510
515
520

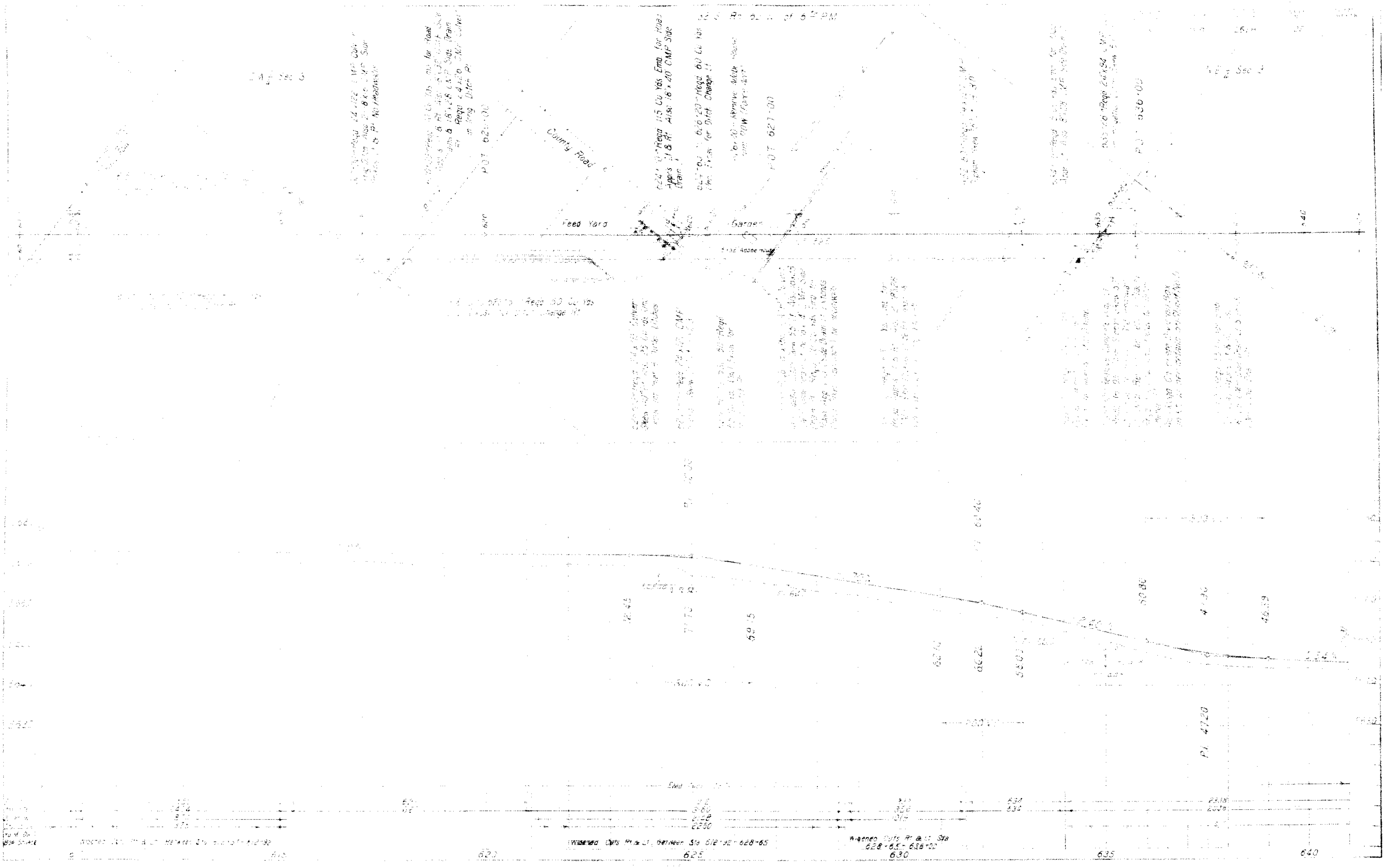


Tp 32 S , Rn 62 W
SW ¼ Sec 9
SW ¼ Sec 9
520+98 - Reqd 30"x50' CMP ... Irrigation Ditch Skew 55° Lt No Headwalls
POT 522+00
Reqd 24" ... CMP Skew 55° Lt
Used in building the Dyke
530+35
533+25 - Reqd 24"x122' CMP Culvert in Irrig Ditch Also 18"x16' CMP Side Drain Lt & 18"x32' CMP Side Drain Rt to Extend under Rock ... No Headwalls
POT 535+00
534+60 - Reqd 50 cu yds Emb for Road Appr Lt Also ... CMP Side Drain
N 57°59' E
525
530
535
540
545
550
200.00
BORROW TO BE OBTAINED FROM WIDENED CUTS STA 510+00 TO 525+56
BORROW TO BE OBTAINED FROM WIDENED ... 525+56 529+94

Tn 32 S. Rn. 62 W of 6th P.M.
Irrigation Ditch Skew 40°45' No Headwalls
Also 2-18x24" CMP Side Drains Lt & Rt
554+60 to 561+00 Reqd 140 Cu Yds
Uncl Excav for Irrigation Ditch Lt
561+00 Reqd 24x56 CMP Culvert
& 50 Cu Yds Uncl Excav for Inlet
& Outlet Ditches
POT 568+15
NE 1/4 Sec 9
568+20 Reqd 24x52 CMP
Siphon Skew 55° H=2.5
Reqd 24x45 CMP
Siphon Skew 75° Rt H=5.0
Reqd 250
Reqd 135
560
565
570
575
580
98.40
98.38
97.76
98.80
96.44
89.88
89.10
96.70
96.12
94.40
FL 87.5
FL 80.3
89.50
200.0
Borrow to be Obtained from Widened Cuts Rt & Lt Between Sta 568+22 - 588+80
555
560
565
570
575
580

BORROW OBTAINED FROM WIDENED CUTS RT & LT BETWEEN STA. 583+50 AND STA. 602+57

580 585 590 595 600 605



NE ¼ Sec 3
County Road
Feed Yard
Garden
P.O.T. 621+00
P.O.T. 636+00
P.I. 47.20
Widened Cuts Rt & Lt Between Sta 612+92 - 628+65
Widened Cuts Rt & Lt Sta 628+65 - 636+02
620
625
630
635
640

640

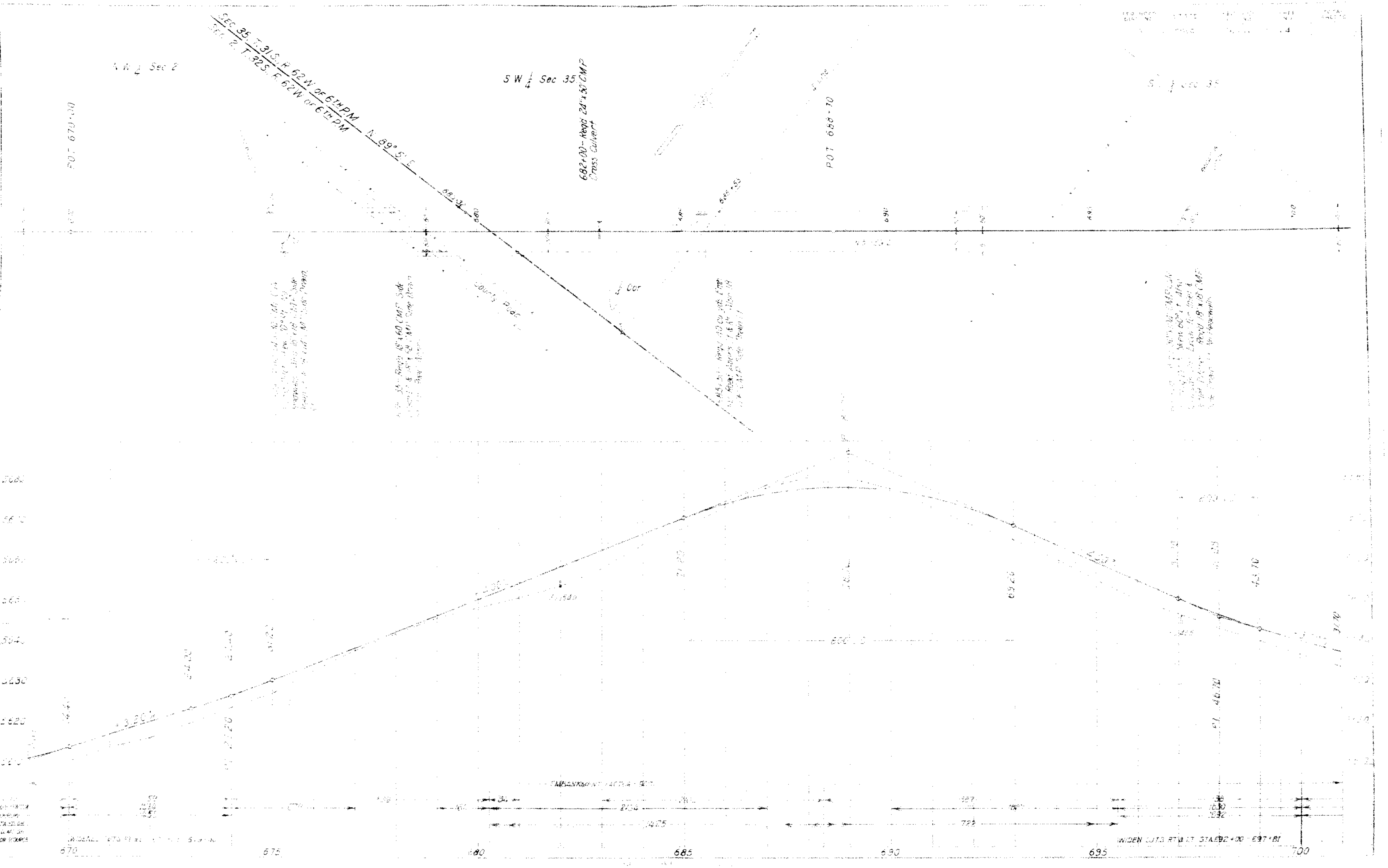
645

650

655

660

665



Sec 35 T.31S. R.62W of 6TH PM
Sec 2 T.32S. R.62W of 6TH PM
N 89° 51' E
S W 1/4 Sec 35
682+00 - Reqd 24"x 30' CMP Cross Culvert
POT 670+00
POT 688+70
County Road
1/4 Cor
685
690
695
680
675
670
700
WIDEN CUTS RT & LT STA 692+00 - 697+81

Tp 31 S Rn 62 W of 6th P.M.
SE 1/4 Sec 35
RESERVOIR
Construction Division No. 2
As per details on Sheets No
700
705
710
715

To S 3° 5' 52" W - R 2500'

N 8° 59' E

143.50'

Dry Wash

PGT 154+01

PGT 140+00

PGT 136+00

Proj. PGT 154+01

Proj. PGT 140+00

Proj. PGT 136+00

Proj. Dry Wash

Proj. Sec. 36

Proj. Sec. 1

Proj. Sec. 2

Proj. Sec. 3

Proj. Sec. 4

Proj. Sec. 5

Proj. Sec. 6

Proj. Sec. 7

Proj. Sec. 8

Proj. Sec. 9

Proj. Sec. 10

Proj. Sec. 11

Proj. Sec. 12

Proj. Sec. 13

Proj. Sec. 14

Proj. Sec. 15

Proj. Sec. 16

Proj. Sec. 17

Proj. Sec. 18

Proj. Sec. 19

Proj. Sec. 20

Proj. Sec. 21

Proj. Sec. 22

Proj. Sec. 23

Proj. Sec. 24

Proj. Sec. 25

Proj. Sec. 26

Proj. Sec. 27

Proj. Sec. 28

Proj. Sec. 29

Proj. Sec. 30

Proj. Sec. 31

Proj. Sec. 32

Proj. Sec. 33

Proj. Sec. 34

Proj. Sec. 35

Proj. Sec. 36

Proj. Sec. 1

Proj. Sec. 2

Proj. Sec. 3

Proj. Sec. 4

Proj. Sec. 5

Proj. Sec. 6

Proj. Sec. 7

Proj. Sec. 8

Proj. Sec. 9

Proj. Sec. 10

Proj. Sec. 11

Proj. Sec. 12

Proj. Sec. 13

Proj. Sec. 14

Proj. Sec. 15

Proj. Sec. 16

Proj. Sec. 17

Proj. Sec. 18

Proj. Sec. 19

Proj. Sec. 20

Proj. Sec. 21

Proj. Sec. 22

Proj. Sec. 23

Proj. Sec. 24

Proj. Sec. 25

Proj. Sec. 26

Proj. Sec. 27

Proj. Sec. 28

Proj. Sec. 29

Proj. Sec. 30

Proj. Sec. 31

Proj. Sec. 32

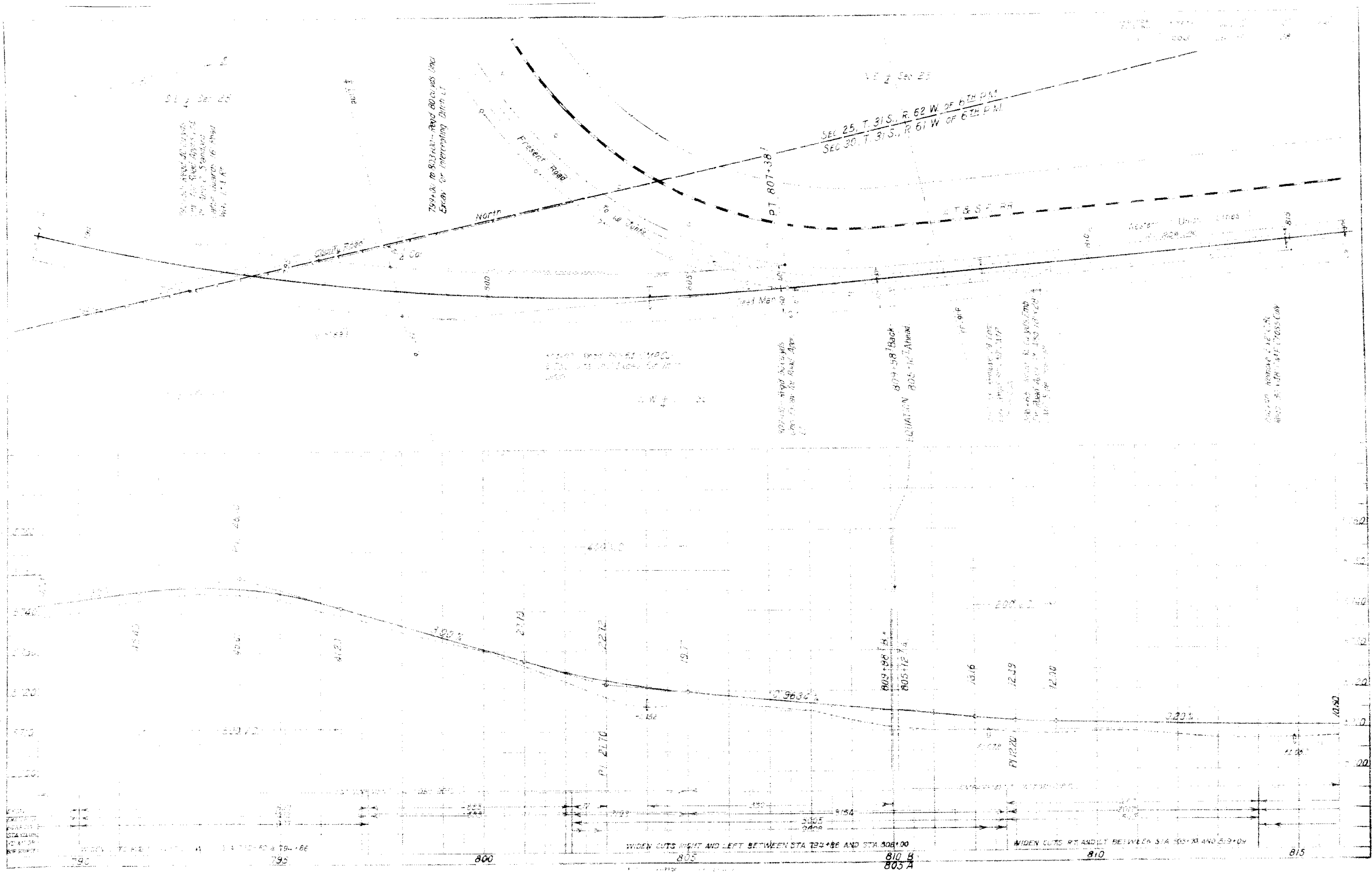
Proj. Sec. 33

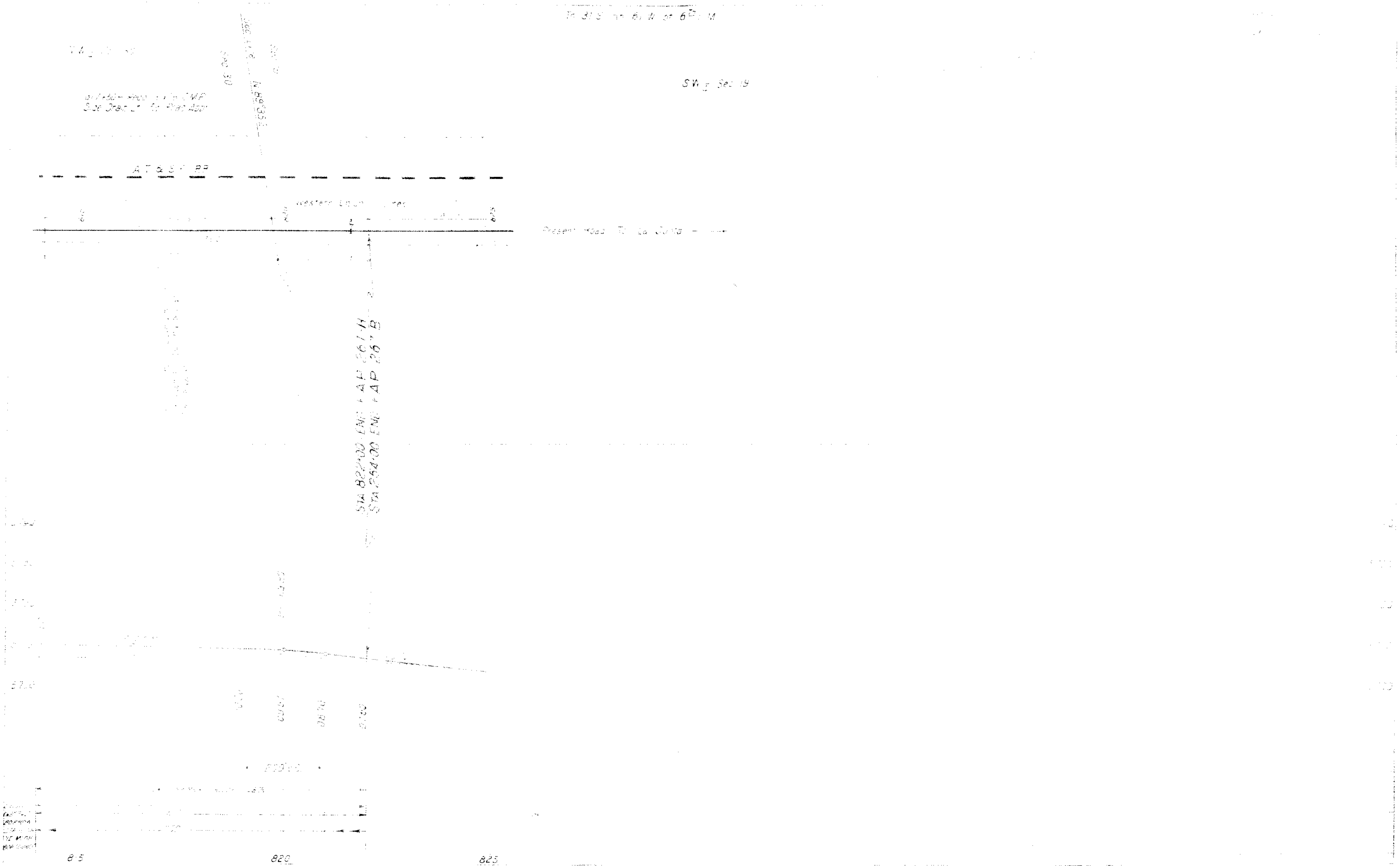
Proj. Sec. 34

Proj. Sec. 35

Proj. Sec. 36

Tn 31 S Rn 62 W of 6th PM
Sec 26
Sec Line
Sec 35
PC 763+36.1
S 89° 39' W
SE ¼ Sec 25
N E
185
180
770
765
ENBANKMENT
5678
4780
725
BORROW TO BE OBTAINED FROM WIDENED CUTS RIGHT & LEFT BETWEEN STA 765+00 AND STA 786+59
760
765
770
775
780
185
790
5690
5680
5670


NE 1/4 Sec 25
Sec 25, T. 31 S., R. 62 W. of 6TH P.M.
Sec 30, T. 31 S., R. 61 W. of 6TH P.M.
P.T. 807+38
Present Road
North
County Road
A.T. & S.F. RR
809+58 Back
805+12 Ahead
EQUATION
1.00%
0.20%
P.I. 21.70
WIDEN CUTS RIGHT AND LEFT BETWEEN STA 794+86 AND STA 808+00
795
800
805
810 B
805 A
810
815


SW ¼ Sec 19
A T & S F RR
Present Road To La Junta
STA 822+00 END F.A.P. 561-H
STA 254+00 END F.A.P. 26 B
815
820
825