FED. ROAD DIST. NO.	STATE	U.S.W.P.GC. PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	COLO.	WPGH 263-H	1	

COLORADO
STATE HIGHWAY DEPARTMENT

PLAN AND PROFILE OF PROPOSED
U.S. WORKS-PROG:GRADE-CROSS-PROJ. NO. WPGH-263-H
STATE HIGHWAY NO. ~~10~~ 160
HUERFANO COUNTY

INDEX OF SHEETS

CONVENTIONAL SIGNS

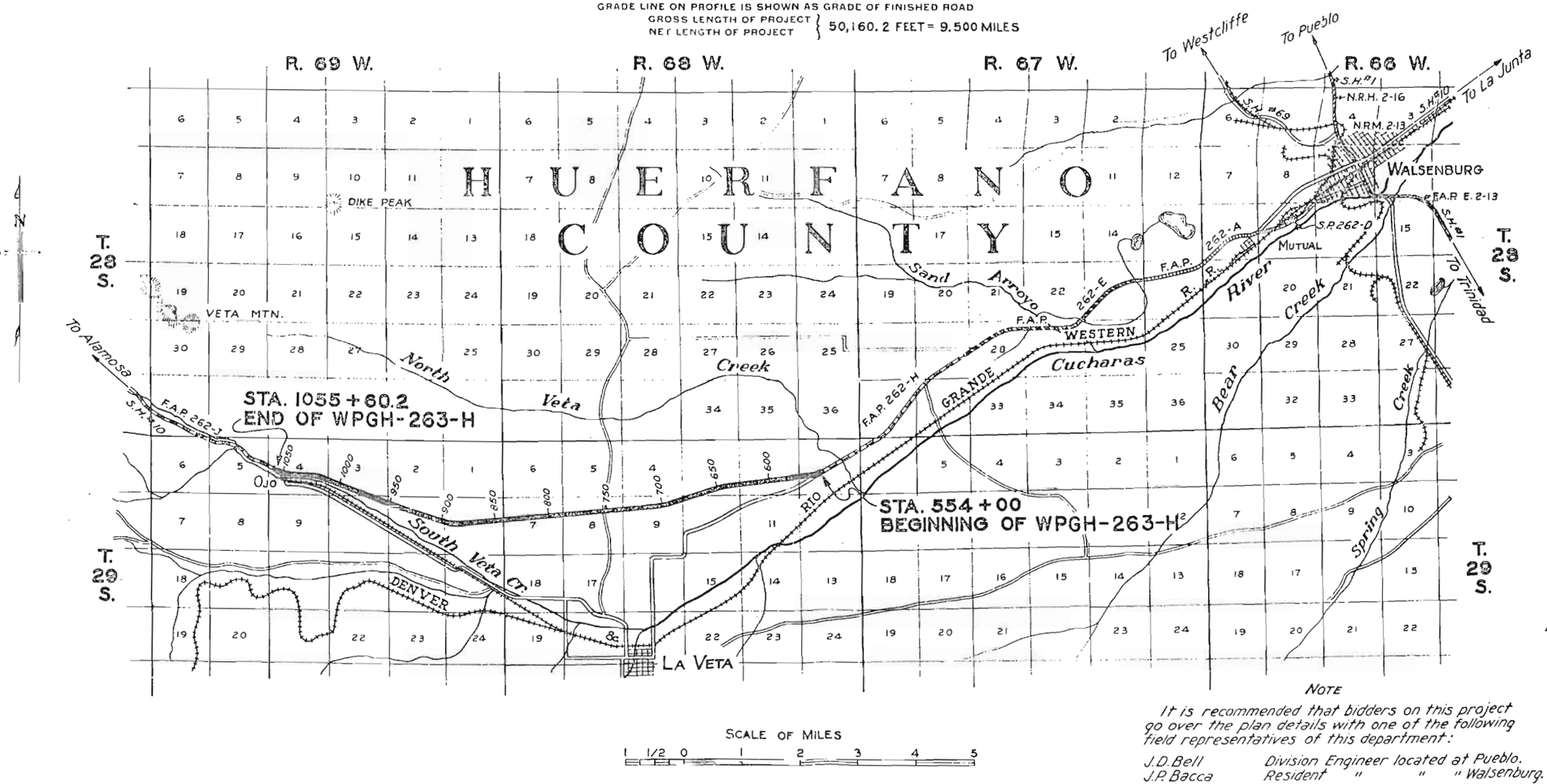
- Center Line of Survey
- R.O.W. Lines
- Township or Range Lines
- Section Lines
- 1/4 Section Lines
- 1/16 Section Lines
- Barbed Wire Fence
- Picket Snow Fence
- Wire Cable Guard Fence

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 } 50,160.2 FEET = 9.500 MILES
NET LENGTH OF PROJECT }



RECOMMENDED FOR APPROVAL 6/15/35
J. Ellenberger
ASSISTANT ENGINEER
APPROVED
Chas D. Vail
STATE HIGHWAY ENGINEER
RECOMMENDED FOR APPROVAL
DIST. ENG. BUREAU PUBLIC ROADS
RECOMMENDED FOR APPROVAL
CHIEF ENG. BUREAU PUBLIC ROADS
APPROVED
DIRECTOR BUREAU PUBLIC ROADS

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 located at Pueblo.
J.P. Bacca — Resident " " " Walsenburg.

TYPICAL CROSS SECTION OF IMPROVEMENT AND SUMMARY OF QUANTITIES

FED. AID PROJ. NO.	STATE	ESP-GG (4) 057 WEST 263-H	SHEET NO.	TOTAL SHEETS
	COLO.		2	

Revised 9/24/35 - JWS
Revised 10-23-35 HAL

GENERAL NOTES

This Project is to be constructed in accordance with the Standard Specifications of the Colorado State Highway Department, adopted January 1, 1930.

All quantities on preliminary plans are to be considered approximate only.

All roadway excavation required to construct the Project is to be obtained as indicated on the plans. Quantities involved beyond the limits of the ditch as shown on the Typical Section, either noted on Profile as "Borrow", or on Tabulation of Structures as "Embankment", are to be classified and paid for as "Unclassified Excavation."

These quantities are to be staked as part of the original excavation at locations indicated on the plans. Slope stakes, beyond the limits of the Typical Section as shown are subject to change by the Engineer to fit Embankment requirements actually encountered in construction.

Except as limited by the Special Provisions, power equipment may be used on this Project.

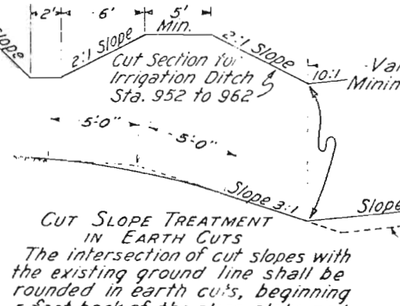
All curves are to be superelevated and widened as provided by the standard Superelevation sheet.

At all places on the project where the new work lies along the present travelled road, the Contractor shall at his own expense, prosecute construction in such a manner that traffic may readily pass over the road. Also, the Contractor shall maintain in safe condition and at his own expense, all temporary approaches to and crossings of intersecting roads.

All poles encroaching on the construction are to be moved by owners.

All corrugated metal pipe cross culverts are to be provided with one headwall on the inlet end, unless otherwise noted on the plans.

Right-of-way fences shall be dead-ended against the wings of all drainage structures having a minimum span of 4 feet and a minimum height of 4 feet.



CUT SLOPE TREATMENT IN EARTH CUTS

The intersection of cut slopes with the existing ground line shall be rounded in earth cuts, beginning 5 feet back of the slope stake and extending 5 feet down the cut slope.

Where the cut slope length is less than 5 feet, reduce both of the above lengths of slope treatment to the actual slope distance. Excavation quantities involved in rounded slope shall not be included in Unclassified Excavation.

TYPICAL SECTION

NOTE - Use 4:1 slope when "H" is 3'-0" or less. Use 2:1 slope when "H" is over 3'-0".

6" Compacted thickness of Base Course Surfacing.

Excavation or Borrow below the slopes shown will not be permitted.

1/2 CUT SECTION

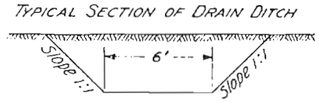
The thickness of the Gravel or Crushed Rock Surfacing is to be considered approximate only. The Base Course Surfacing is to be placed at the rate of 115 tons per 100 feet of roadway. Base Course Surfacing is to be placed in two equal courses of approximately 3" each.

1/2 FILL SECTION

In places where Excavation and Embankment are in rock which would result in a Roadway unsuitable for traffic, the 6" underlying the subgrade, as shown on the Typical Section, is to be constructed of Selected Material which is to be classified and paid for as Unclassified Excavation.

In all cases where borrow is obtained beyond toe of fill, dimensions and slope requirements shown for cut section shall apply.

TYPICAL SECTION OF DRAIN DITCH



Drain Ditches req'd. at following stations:

581+00
632+00
677+00
718+00
730+00
773+50
788+90
950+00
977+00
1021+00

SUMMARY OF APPROXIMATE QUANTITIES

No.	Item	Unit	Roadway	Obl. 10'x8' Conc. Box Sta. 882+	Project Approach		Totals
10a	Clearing & Grubbing Entire Project	Lump Sum	•		Sta. 1055+ (No Fed. Aid)		•
11a	Removing 3 Buildings, Sta. 1042+	" "	•				•
11b	" Headgate, Sta. 969+	" "	•				•
12a	" Fence	Lin. Ft.	11000		700		11,700
13c	Unclassified Excavation	Cu. Yd.	199000	9000	500		208,500
13y	Cut Slope Treatment	Mile	13				13
14a	Dry Rock Excavation (Structural)	Cu. Yd.	120	10			130
14b	" Common "	" "	1000	110			1110
14c	Wet Rock "	" "	20	5			25
14d	" Common "	" "	120	10			130
18a	Station Yard Overhaul	Sta. Yd.	344000	3000			347,000
18b	Yard Mile Overhaul	Yd. Mile	100				100
30x	Gravel or Crushed Rock Surfacing	Ton	57690	30	200		57,920
46a	Class "A" Concrete	Cu. Yd.	629	205			834
46b	" "B" "	" "	61				61
47	Reinforcing Steel	Lb.	50500	20225			70,725
53b	18" Corrugated Metal Culvert Pipe	Lin. Ft.	472				472
53c	24" " " " "	" "	1734				1734
53e	36" " " " "	" "	168				168
55	Relaying Pipe	" "	16				16
65	Dry Rubble Slope Paving - 1 foot thick	Sq. Yd.	15				15
72	Wire Cable Guard Fence	Lin. Ft.	962	46			1008
75x	Galvanized Barbed Wire Fence - Steel Posts	" "	100400		700		101,100
75y	Gates in " " "	Each	38				38
77	Picket Snow Fence	Lin. Ft.	4034				4034
78	Project Marker	Each	1				1
79	Right-of-Way Markers	"	40				40
95x	Combination Wire Fence - Steel Posts	Lin. Ft.	220				220
105a	Cattle Guard - 10 foot Roadway	Each	8				8
105b	" " 16 foot "	"	2				2
106a	Metal Slide Headgate, 18" diameter, 4' frame	"	1				1
106b	" " " 24" " 4' "	"	1				1
53g	48" Corrugated Metal Culvert Pipe	Lin. Ft.	132				132

FED. ROAD DIST. NO.	STATE	U.S.W.P.-G.C. PROJ. NO.	SHEET NO.	
3	COLO.	WPGH-263-H	3	

Revised 9-24-35 - J.W.S.
Revised 10-23-35 " "

FENCING REQUIREMENTS

STATION	SIDE	REMOVE FENCE LIN. FT.	BUILD BARB WIRE FENCE LIN. FT.	BUILD COMB WIRE FENCE LIN. FT.	GATES IN BARBED WIRE FENCE EACH
554+00 ~ 558+00	R. & L.	1370			
565+20	X	102			
572+86	X	142			
612+20	X	155			
626+17	X	120			
647+17	X	120			
667+55	X	137			
671+28	X	435			
695+07	X	135			
722+10	X	130			
731+27	X	185			
748+66	X	110			
788+23	X	110			
788+75	X	110			
789+04	X	110			
797+41	X	810			
802+55	X	160			
842+58	X	120			
842+98	X	120			
855+25	X	225			
865+98	X	220			
869+00	X	185			
882+16	X	110			
926+48	X	350			
937+36	X	115			
949+52	X & L.	225			
950+70	X	160			
964+00 ~ 966+70	X	500			
980+45	X	140			
1017+30 ~ 1055+60	R., L., X.	3900			
*1055+60 ~ 1080+00	R & L.	* 700	* 700		
571+50	R & L.				2
590+15	R & L.				2
639+73	R & L.				2
709+38	R & L.				2
731+76	R & L.				2
756+50	R & L.				2
788+49	R & L.				2
819+00	R & L.				2
842+79	R & L.				2
853+00	R & L.				2
873+00	R & L.				2
917+54	R & L.				2
940+00	R & L.				2
966+21	R & L.				2
1009+50	R & L.				2
1024+00	R & L.				2
1029+13	R & L.				2
1048+70	R & L.				2
895+00	R & L.				2
963+90 ~ 966+10	R.			220	
554+00 ~ 1055+60	R & L.		100,320		
TOTALS		10,871	100,320	220	38

*Approach to Project, not included in Total.

TABULATION OF STRUCTURES

STATION	DESCRIPTION	REMOVE STRUCT. NO.	EXCAVATION CU. YDS. EXCA.	EMB.	STRUCTURAL EXCAV. CU. YDS. *	CONCRETE CU. YDS. CL A	CL B	REINF. STEEL LBS.	CORRUG. METAL CULV. PIPE LIN. FT. 18"	24"	36"	48"	PICKET SNOW FENCE LIN. FT.	CATTLE GUARD 10' RDWY. NO.	CATTLE GUARD 16' RDWY. NO.	DRY RUBBLE SLOPE PAVG. 1' THICK SQ. YDS.	MISCELL.
554+00	Project Marker																Proj. Marker
559+70	C.M.P. Side Drain & Rd. Approach L.			200	10					32							
	C.M.P. Cross Culvert				5		1.65		{26	56							
571+50	C.M.P. Side Drains & Rd. Appr's. R & L.			50	5				{26								
572+00	C.M.P. Cross Culvert & outlet		20		12		1.65			58							
581+00	6'x7'x44' Concrete Box Culvert, and inlet & outlet. Slope paving.		©500		45	56.0		4494									
590+15	Road Apprs. & Side Drains L. & R.			50	10				{26							5	
594+00	C.M.P. Cross Culvert				5		1.65		{26	56							
607+00	C.M.P. " "				10		1.65			52							
612+85	C.M.P. " " & Ditch Change		200		75		1.65			120							
626+50 ~ 628+50	Snow Fence R.												202				
612+85 ~ 639+73	Drain Ditch L.		700														
622+60	C.M.P. Cross Culvert				5		1.65			52							
632+00	6'x7'x44' Concrete Box Culvert, and inlet & outlet		©700		45	56.0		4494									
639+73	Road Approaches R. & L.			100													
639+90 ~ 647+00	Drain Ditch L.		180														
640+00	C.M.P. Cross Culvert				20		1.65			52							
652+00	C.M.P. " "				18		1.65			54							
677+00	6'x7'x44' Concrete Box Culvert, and inlet & outlet.		©1300		45	56.0		4494									
694+00	C.M.P. Cross Culvert				11		1.65			54							
709+38	C.M.P. Side Drains & Rd. Appr's. R & L.			50	2				{26								
718+00	6'x7'x44' Concrete Box Culvert, and inlet & outlet.		©1000		40	56.0		4494	{26								
730+00	6'x7'x44' Concrete Box Culvert, and inlet & outlet.		* 500		40	56.0		4494									
731+76	Road Approaches & Cattle Guards, (for 16' roadway), R. & L.			50											2		
732+50	C.M.P. Cross Culvert, inlet & outlet		5		15		1.65			56							
742+82	C.M.P. " " & Ditch Changes		450		80		1.65			120							
756+50	Road Approaches R. & L.			50													
757+00	C.M.P. Cross Culvert				15		1.65			58							
773+50	6'x7'x44' Concrete Box Culvert, and inlet & outlet. Slope paving.		©200		40	56.0		4494								5	
788+49	Road Appr's. & Cattle Guards R & L.			200										2			
788+90	6'x7'x44' Concrete Box Culvert, and inlet & outlet.		©1000		45	56.0		4494									
804+00	C.M.P. Cross Culvert and Ditch Changes		310		110		1.65			110							
819+00	Road Approaches R. & L.			50													
819+50	C.M.P. Cross Culvert				20		1.65			56							
836+00	C.M.P. " "				10		1.65			56							
842+79	C.M.P. Side Drains, Road Approaches, & Cattle Guards R. & L.			50	2				{26								
847+25	C.M.P. Cross Culvert				10		1.65			56				2			
853+00	Road Approaches & Side Drains R & L			50	10				{26								
858+15	6'x7'x58' Conc. Box Culvert, slope paving.				40	68.6		5548	{26							5	
861+50 ~ 868+50	Snow Fence R.												702				
871+00	C.M.P. Cross Culvert				3		1.65			72							
873+00	Road Approaches R. & L.			50													
873+50 ~ 877+70	Snow Fence R.												422				
882+05 ~ 882+28	Double 10'x8'x50' Conc. Box Culv. Ty. 10A		©9000		(Quantities in Summary)												
	Channel Improvement																{3000 Sta. Yds Overhaul
887+00	C.M.P. Cross Culvert, & inlet.		50		40		3.0				66						
887+00 ~ 937+50	Side Ditch R.		1300														
895+00	C.M.P. Side Drains & Rd. Appr's. R & L.			50	2				{26								
908+00	C.M.P. Cross Culvert, inlet & outlet		15		20		1.65			52							
917+54	C.M.P. Side Drains & Rd. Appr's. R & L.			50	2				{26								
									{26								

(CONTINUED ON SHEET 4)

FED. ROAD DIST. NO.	STATE	U.S.W.P-G.C. PROJ NO.	SHEET NO.	
3	COLO.	WPGH-263-H	4	

Revised 9/24/35 - J.W.S.

TABULATION OF STRUCTURES

(CONTINUED FROM SHEET 3)

R. O. W. MARKERS

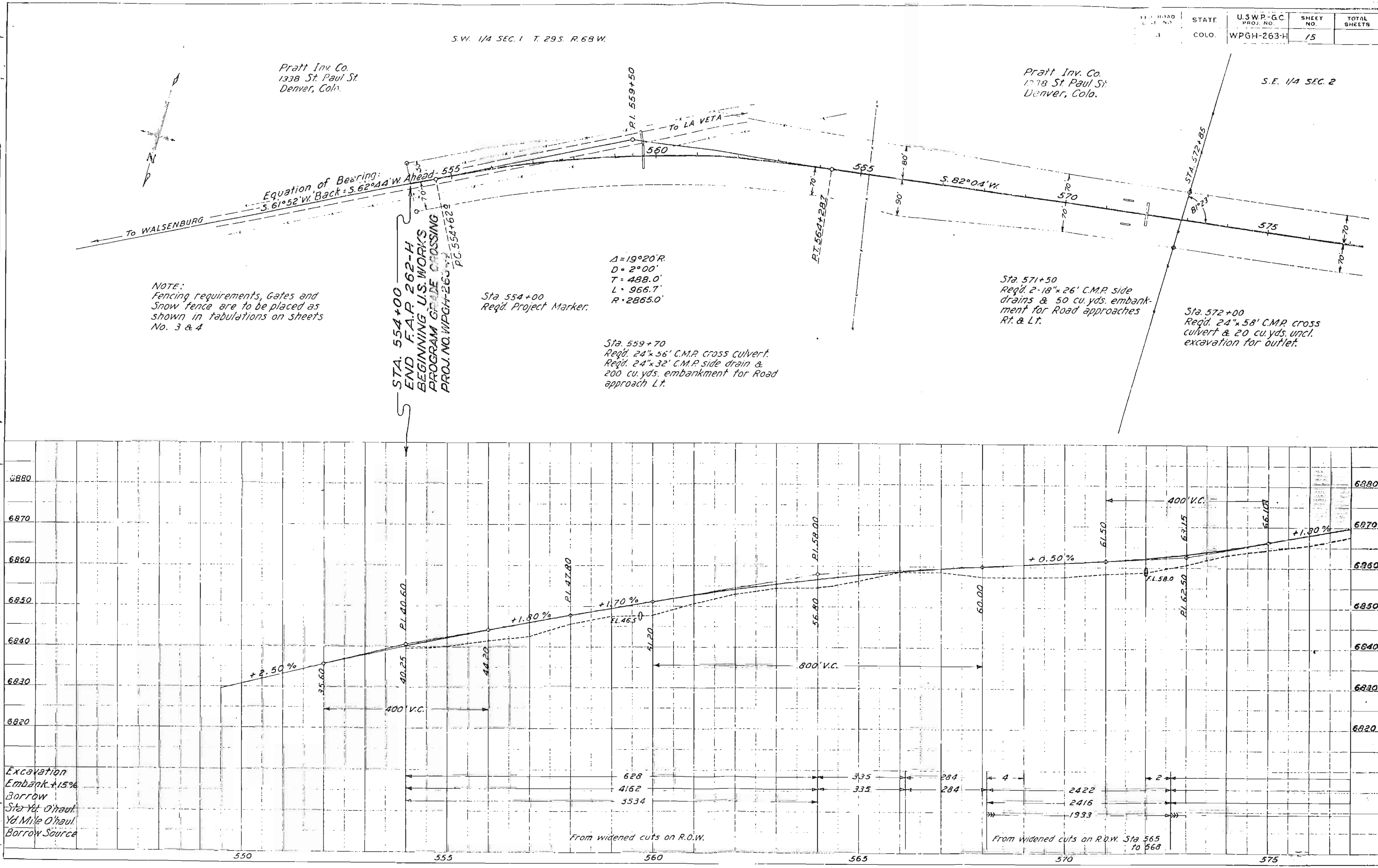
STATION	SIDE	NO.
554+00	R. & L.	2
572+74	R.	1
572+96	L.	1
599+38	R.	1
599+61	L.	1
626+05	R.	1
626+33	L.	1
653+78	R.	1
654+28	L.	1
681+02	R.	1
681+32	L.	1
708+68	R.	1
708+88	L.	1
735+31	R.	1
735+41	L.	1
761+89	R.	1
761+98	L.	1
788+17	R.	1
788+26	L.	1
815+58	L.	1
815+67	R.	1
842+89	L.	1
843+00	R.	1
868+97	L.	1
869+08	R.	1
896+05	L.	1
896+40	R.	1
923+82	L.	1
924+18	R.	1
950+50	L.	1
951+10	R.	1
980+24	L.	1
980+72	R.	1
1010+02	L.	1
1010+47	R.	1
1037+63	L.	1
1037+77	R.	1
669+70	L.	1
673+825	R.	1
965+03	R	1
967+58	L	1
TOTAL		42

STATION	DESCRIPTION	REMOVE STRUCT. No.	EXCAVATION CU. YDS EXCAV	EMB.	STRUCTURAL EXCAV. CU. YDS *	CONCRETE CU YDS CL A	CONCRETE CU YDS CL B	REINF. STEEL LBS.	CORRUG. METAL CULV. PIPE LIN FT 18"	24"	36"	48"	PICKET SNOW FENCE LIN FT.	CATTLE GUARD 10' ROWY No.	CATTLE GUARD 16' ROWY No.	DRY RUBBLE SLOPE PAVG 1' THICK SQ YDS	MISCELL.
929+00	C.M.P. Cross Culvert.				20		1.65			56							
940+00	C.M.P. Side Drains & Rd. Appr's. R. & L.			50	3				26								
950+00	6'x7'x44' Concrete Box Culvert, and inlet & outlet		®100		40	56.0		4494	26								
953+00 ~ 962+00	Snow Fence R.												902				
962+00	C.M.P. Cross Culvert				15		1.65			52							
966+21	C.M.P. Side Drain R., Road Approaches & Cattle Guards R. & L.			200	2				26					2			
966+30 ~ 972+30	Channel Change L.		1100														
967+00	Relaying 12"x16' C.M. Pipe (150' R.)				1												Relay 16' C.M.P.
969+30	Remove Headgate R.	1															
969+36	C.M.P. Cross Culvert				55		1.65				102						
949+00 ~ 969+36	Irrigation Ditch Change R.		400														
975+00 ~ 980+00	Channel Change L.		1500														
977+00	6'x7'x44' Concrete Box Culvert, and inlet & outlet.		®200		40	56.0		4494									
980+00 ~ 987+00	Surface Ditch R.		175														
980+00 ~ 987+00	Snow Fence R.												702				
988+00	C.M.P. Cross Culvert				1		1.65			70							
998+81	C.M.P. " "				45		5.0					70					
1007+00	C.M.P. " "				5		5.0					62					
1009+50	Road Approaches R. & L.			100													
1010+00	C.M.P. Cross Culvert				3		1.65			70							
1011+50 ~ 1019+00	Snow Fence R.												752				
1013+00 ~ 1019+00	Surface Ditch R.		150														
1021+00	6'x7'x44' Concrete Box Culvert, and inlet & outlet.		®500		40	56.0		4494									
1029+13	Road Approaches R. & L.			50													
1029+25	C.M.P. Cross Culvert				20		1.65			60							
1034+50 ~ 1038+00	Snow Fence R.												352				
1039+00	C.M.P. Cross Culvert & inlet		5		5		1.65			66							
1042+10 ~ 1044+25	Remove 2 Outhouses and 1 Chicken house.																Remove 3 Bldgs.
1047+50	C.M.P. Cross Culvert				25		1.65			54							
1048+70	Road Approaches & Cattle Guards right & left.			50										2			
1051+00	Road Approach L.			100													
1054+50	C.M.P. Cross Culvert				5		1.65			54							
880+00 ~ 885+04	Wire Cable Guard Fence R. & L.																1008' Wire Cable Guard Fc.
969+40 (125' Left)	24" Slide headgate (4' frame) with 24"x30' C.M.P. and 1 concrete headw'll.				3		1.65			30							24" Headgate ø
	18" Slide headgate (4' frame) with 18"x30' C.M.P. and 1 conc. headwall.				3		1.10		30								18" " ø
	Rock backfill for dam		50														
	TOTALS	1	6610	1600	*7198		628.6	60.30	50488	472	1734	168	132	4034	8	2	15	

® Included in profile quantities for payment.

* Structural Excavation is estimated to be 90 % common and 10 % rock, each of which is estimated to be 90 % dry & 10 % wet.

ø 24" Headgate to be Model 101 Calco Slide Headgate or equivalent.
ø 18" " " " " 101 " " " " " "


STATE
COLO.
U.S.W.P.-G.C. PROJ. NO.
WPGH-263-H
SHEET NO.
15
TOTAL SHEETS
S.W. 1/4 SEC. 1 T. 29 S. R. 68 W.
Pratt Inv. Co.
1338 St. Paul St.
Denver, Colo.
Pratt Inv. Co.
1338 St. Paul St.
Denver, Colo.
S.E. 1/4 SEC. 2
N
P.I. 559+50
To LA VETA
To WALSENBURG
Equation of Bearing:
S. 61°52' W. Back = S. 62°44' W. Ahead
555
560
565
570
575
S. 82°04' W.
P.T. 564+28.7
P.C. 554+62.9
STA. 572+85
81°23'
Δ = 19°20' R.
D = 2°00'
T = 488.0'
L = 966.7'
R = 2865.0'
NOTE:
Fencing requirements, Gates and Snow fence are to be placed as shown in tabulations on sheets No. 3 & 4
STA. 554+00
END F.A.P. 262-H
BEGINNING U.S. WORKS
PROGRAM GRADE CROSSING
PROJ. NO. WPGH-263-H
Sta. 554+00
Reqd. Project Marker.
Sta. 559+70
Reqd. 24" x 56' C.M.P. cross culvert.
Reqd. 24" x 32' C.M.P. side drain & 200 cu. yds. embankment for Road approach Lt.
Sta. 571+50
Reqd. 2-18" x 26' C.M.P. side drains & 50 cu. yds. embankment for Road approaches Rt. & Lt.
Sta. 572+00
Reqd. 24" x 58' C.M.P. cross culvert & 20 cu. yds. uncl. excavation for outlet.
6880
6870
6860
6850
6840
6830
6820
+2.50 %
+1.80 %
+1.70 %
+0.50 %
+1.80 %
35.60
P.I. 40.60
40.25
44.20
P.I. 47.80
F.L. 46.5
51.20
P.I. 58.00
56.80
60.00
61.50
63.15
P.I. 62.50
F.L. 58.0
66.10
400' V.C.
800' V.C.
400' V.C.
Excavation
Embank. +15%
Borrow
Sta. Yd. O'haul.
Yd. Mile O'haul.
Borrow Source
628
4162
3534
335
335
284
284
4
2422
2416
1933
2
From widened cuts on R.O.W.
From widened cuts on R.O.W. Sta 565 to 568
550
555
560
565
570
575

FED. R'WAY DIST. NO.	STATE	U.S.W.P.-G.C PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	WPGH-263-H	16	

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S.E. 1/4 SEC. 2
T. 29 S. R. 68 W.

J.P. Shearer
Nob Hill
Colo. Springs, Colo.

S.W. 1/4 SEC. 2

N

80°05'14"

S. 13°04' W.

580 585 590 595 600 605

70' 70' 70' 70' 50' 80' 80' 70' 70' 50'

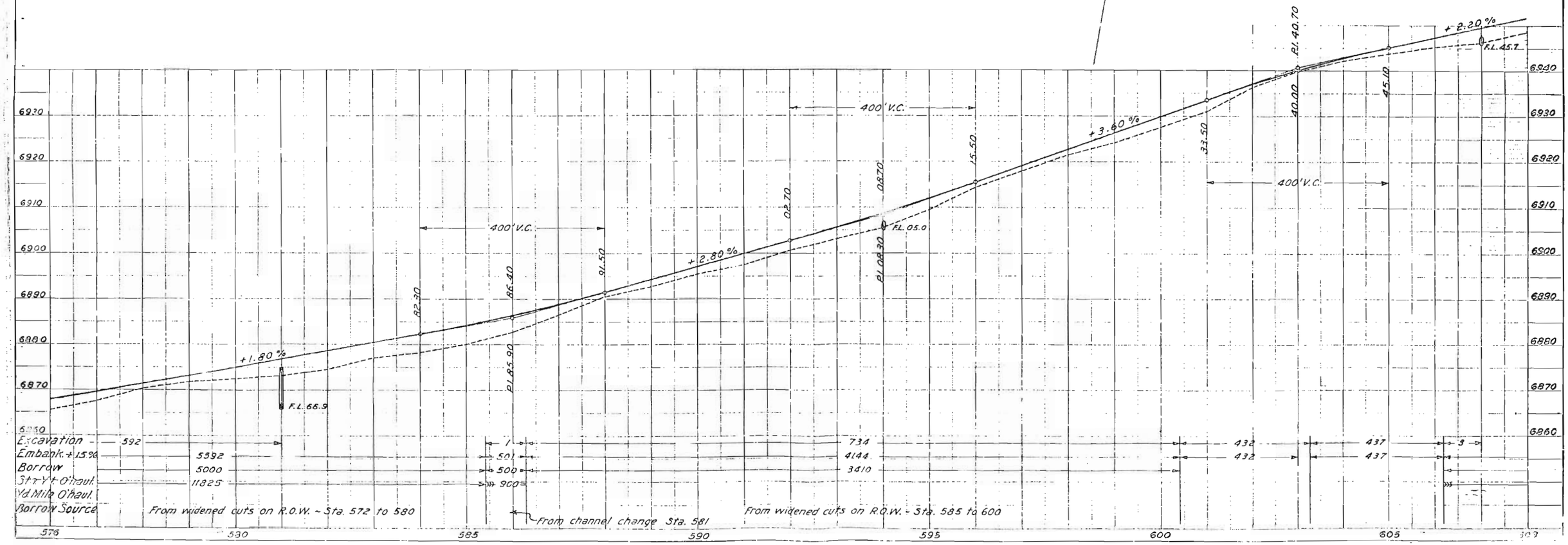
Sta. 581+00
Req'd. 6'x7'x 44' Concrete Box culvert & 500 cu. yds. uncl. excav. for inlet & outlet. Excavated material to be used in roadway embankment. Req'd. 5 sq. yds. dry rubble slope paving (1 ft. thick) for bank protection.

Sta. 590+15
Req'd. 50 cu. yds. embank. for Road approaches Rt. & Lt. and 2-18"x 26' C.M.P. Side Drains Rt. & Lt.

Sta. 594+00
Req'd. 24"x 56' C.M.P. cross culvert.

Sta. 599+51.5

Sta. 607+00
Req'd. 24"x 52' C.M.P. cross culvert.



Excavation	592		1		734		432		437		3
Embank. + 15%		5392		501		4144		432		437	
Borrow		5000		500		3410					
Sta-Yd Haul		11825		900							
Yd Mile Haul											
Borrow Source	From widened cuts on R.O.W. - Sta. 572 to 580		From channel change Sta. 581		From widened cuts on R.O.W. - Sta. 585 to 600						

576 580 585 590 595 600 605 607

STATE	U.S.W.P.-G.C. PROJ. NO.	SHEET NO.	TOTAL SHEETS
COLO.	WPGH-263-H	17	

Revised 9-31-35 - J.W.S.

S.W. 1/4 SEC. 2 T. 29 S. R. 3 W.

J.P. Shearer.

2812.6' TO S. 1/4 COR. SEC. 2

S.E. 1/4 SEC. 3

John W. Mathews
Gordon, Colo.

STA. 625+17.4
1066.4' TO S.E. COR. SEC. 3

Sta. 612+85 to 619+73
Reqd. 700 cu. yds. uncl. excav.
for drain ditch Lt.

70'

50'

610 615 620 S. 82° 04' W. 625 630 635

30° 47'

78° 47' 28"

Sta. 612+85
Reqd. 24"x 120' C.M.P. cross
culvert & 200 cu. yds. uncl.
excav. for ditch change.

Sta. 622+60
Reqd. 24"x 52' C.M.P. cross culvert.

Sta. 632+00
Reqd. 6'x 7'x 44' Conc. Box culvert
& 700 cu. yds. uncl. excavation for
inlet & outlet.
Excavated material to be used
in roadway embankment.

7010 7000 6990 6980 6970 6960 6950

600' V.C. 200' V.C. 200' V.C. 400' V.C.

+2.20% +2.00% +4.20% +4.00% +5.60%

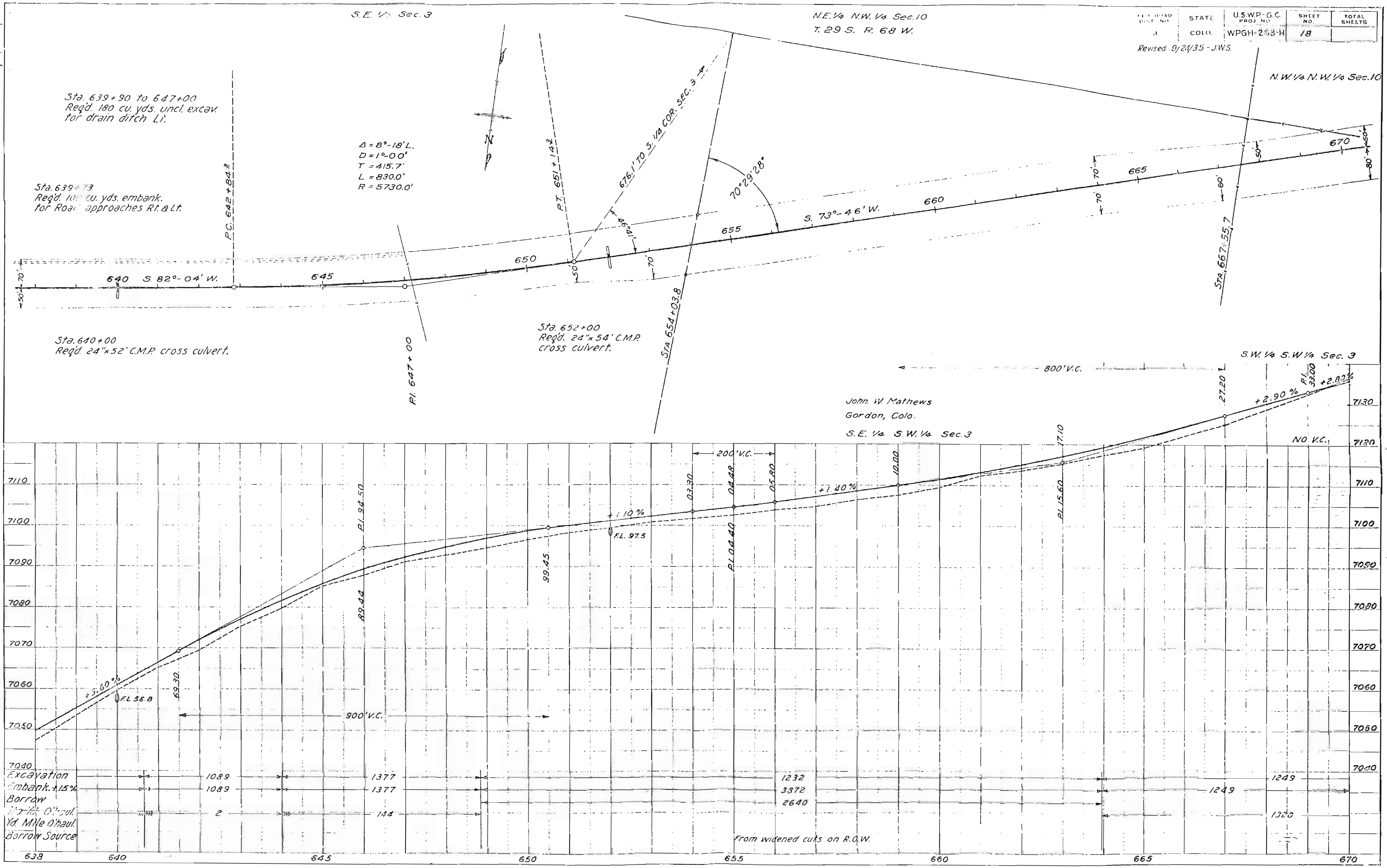
F.I. 45.7 F.I. 56.0 F.I. 80.6 F.I. 82.60 F.I. 11.7 F.I. 35.70

70.40 72.55 74.60 76.60 84.25 95.20 01.50 05.65 09.70 27.70 36.50 46.90

Excavation	54		201		197		935		1704		632		298		527		128	1154
Embank. +15%	1637		201		197		2955		1703		632		998		527		128	1154
Borrow	1580						2020						700					
Sta Yd Haul	2370								1457									45
Yd Mile Haul																		

Borrow Source From widened cuts Sta 602-605 — From widened cuts on R.O.W. — From channel change Sta. 632

607 610 615 620 625 630 635 639


FED. ROAD DIST. NO. | STATE | U.S.W.P.-G.C. PROJ. NO. | SHEET NO. | TOTAL SHEETS
COLO. | WPGH-2?3-H | 18
Revised 9/24/35 - J.W.S.
S.E. ¼ Sec. 3
N.E. ¼ N.W. ¼ Sec. 10
T. 29 S. R. 68 W.
N.W. ¼ N.W. ¼ Sec. 10
Sta. 639+90 to 647+00
Req'd. 180 cu. yds. uncl. excav.
for drain ditch Lt.
Sta. 639+73
Req'd. 10 cu. yds. embank.
for Road approaches Rt. & Lt.
Δ = 8°-18' L.
D = 1°-00'
T = 415.7'
L = 830.0'
R = 5730.0'
P.C. 642+84.3
P.T. 651+14.2
676.1' TO S. ¼ COR. SEC. 3
46°41'
70°29'28"
S. 82°-04' W.
S. 73°-46' W.
P.I. 647+00
STA. 654+03.8
STA. 667+55.7
Sta. 640+00
Req'd. 24"x52' C.M.P. cross culvert.
Sta. 652+00
Req'd. 24"x54' C.M.P. cross culvert.
John W. Mathews
Gordon, Colo.
S.E. ¼ S.W. ¼ Sec. 3
S.W. ¼ S.W. ¼ Sec. 3
900' V.C.
200' V.C.
800' V.C.
NO V.C.
+5.60%
+1.10%
+1.40%
+2.90%
+2.80%
F.L. 56.8
F.L. 97.5
69.30
P.I. 94.50
89.44
99.45
03.30
04.48
P.I. 04.40
05.80
10.00
17.10
P.I. 15.60
27.20
P.I. 33.00
Excavation
Embank. +15%
Borrow
Sta. Yd. O'haul
Yd. Mile O'haul
Borrow Source
1089
1089
2
1377
1377
144
1232
3872
2640
1249
1249
1320
From widened cuts on R.O.W.
638
640
645
650
655
660
665
670

FED. ROAD DIST. NO.	STATE	U.S.W.P.-G.C. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	WPGH-269-H	19	

N.W. 1/4 N.W. 1/4 SEC. 10

N.E. 1/4 N.E. 1/4 SEC. 9
T. 29 S. R. 68 W.

N.W. 1/4 N.E. 1/4 Sec. 9

Mrs. Lucille Thomas Gray
122 E. Las Animas St.
Colorado Springs, Colo.

Sta. 677+00
Reqd. 6'x7'x44' concrete Box culvert
& 1300 cu. yds. uncl. excav. for inlet & outlet.
Excavated material to be used in roadway
embankment.

N

670 675 680 S. 73°46' W. 685 690 695 700

80' ±50'

Sta. 671+28.8

10 9
3 4

Sta. 694+00
Reqd. 24"x54' C.M.P. cross
culvert.

Sta. 695+07

P.C. 698+82.2

S.W. 1/4 S.W. 1/4 SEC. 3
I. D. Allison
212 N. Estelle St.
Wichita, Kansas

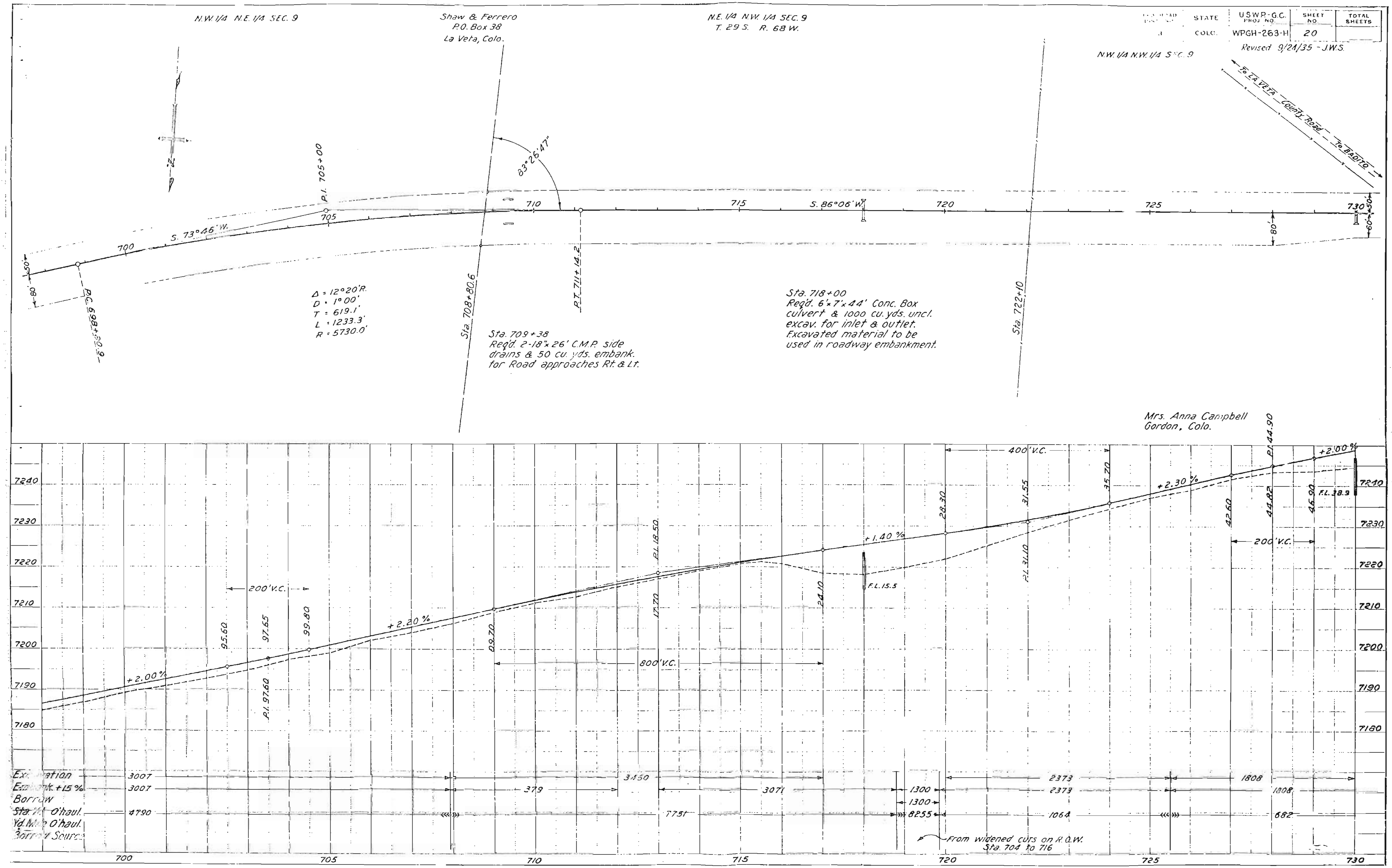
7190 7180 7170 7160 7150 7140 7130

P.I. 33.00 +2.80% 38.60 P.I. 42.00 45.65 +1.00% 50.00 51.00 54.58 P.I. 54.00 59.70 +1.90% P.I. 80.50 +2.00%

F.L. 40.0 F.L. 75.0

NO V.C. 600' V.C. 600' V.C. NO V.C.

	670–675	675–680	680–685	685–690	690–695	695–700
Excavation	1389		18	401	193 139	226
Embank. +15%	1389		1858	1701	193 139	1286
Borrow			1840	1300		1060
Sta. Yd. Haul	1710		8892	5200		
Yd. Mile Haul						
Borrow Source			From widened cuts on R.O.W. Sta. 667 to 675	From channel change - Sta. 677		From widened cuts on R.O.W.



STATE COLO.
U.S.W.P.-G.C. PROJ. NO. WPGH-263-H
SHEET NO. 20
TOTAL SHEETS
Revised 9/21/35 - J.W.S.
N.W. 1/4 N.E. 1/4 SEC. 9
Shaw & Ferrero
P.O. Box 38
La Veta, Colo.
N.E. 1/4 N.W. 1/4 SEC. 9
T. 29 S. R. 68 W.
N.W. 1/4 N.W. 1/4 SEC. 9
To LA VETA County Road To BADITO
83°26'47"
P.I. 705+00
S. 73°46' W.
S. 86°06' W.
700
705
710
715
720
725
730
P.C. 698+30.9
P.T. 711+14.2
Sta. 708+80.6
Sta. 722+10
Δ = 12°20' R.
D = 1°00'
T = 619.1'
L = 1233.3'
R = 5730.0'
Sta. 709+38
Req'd. 2-18"x 26' C.M.P. side drains & 50 cu. yds. embank. for Road approaches Rt. & Lt.
Sta. 718+00
Req'd. 6'x 7'x 44' Conc. Box culvert & 1000 cu. yds. uncl. excav. for inlet & outlet. Excavated material to be used in roadway embankment.
Mrs. Anna Campbell
Gordon, Colo.
+2.00%
+2.20%
+1.40%
+2.30%
+2.00%
200' V.C.
800' V.C.
400' V.C.
200' V.C.
P.I. 97.60
P.I. 18.50
P.I. 31.10
P.I. 44.90
F.L. 15.5
F.L. 38.9
7180
7190
7200
7210
7220
7230
7240
Excavation 3007 3450 2373 1808
Embank. +15% 3007 379 3071 1300 2373 1808
Borrow 1300
Sta. Yd. O'haul. 4790 7751 8255 1064 682
Yd. Mile O'haul.
Borrow Source
From widened cuts on R.O.W. Sta. 704 to 716

STATE	U.S.W.P.-G.C. PROJ. NO.	SHEET NO.	TOTAL SHEETS
CO.	WPGH-263-H	21	

Revised 9/24/35 - J.W.S.

SE. 1/4 NE. 1/4 Sec. 8

Shaw & Ferrero
P.O. Box 38
La Veta, Colo.

W. 1/2 NE 1/4 Sec. 8.
T. 29 S. R. 68 W.

Sta. 731+76
Req'd. 50 cu. yds. embankment for Road approaches Rt. & Lt.
Req'd. Cattle Guard (16' roadway) Rt.
" " " (16' ") Lt.

To LA VETA — County Road — To TRADITO

Sta. 756+50
Req'd. 50 cu. yds. embank. for Road approaches Rt. & Lt.

730 735 S. 86°-06' W. 740 745 750 755 760

Sta. 730+00
Req'd. 6'x7'x44' Conc. Box Culvert & 500 cu. yds. uncl. excav. for inlet & outlet.

735+38 — 1062' TO SEC. COR. — 94°24'41"

Sta. 742+82
Req'd. 24"x 120' C.M.P. cross culvert & 450 cu. yds. uncl. excav. for ditch changes Rt. & Lt.

Sta. 748+66

Sta. 757+00
Req'd. 24"x 58' C.M.P. cross culvert.

Sta. 732+50
Req'd. 24"x 56' C.M.P. cross culvert & 5 cu. yds. uncl. excav. for inlet & outlet.

Mrs. Anna Campbell
Gordon, Colo.

N.W. 1/4 N.W. 1/4 Sec. 9 — N.E. 1/4 N.E. 1/4 Sec. 8

7310 7300 7290 7280 7270 7260 7250 7240

400' V.C. — 200' V.C. — 200' V.C.

+2.00% +2.40% +2.10% +2.40%

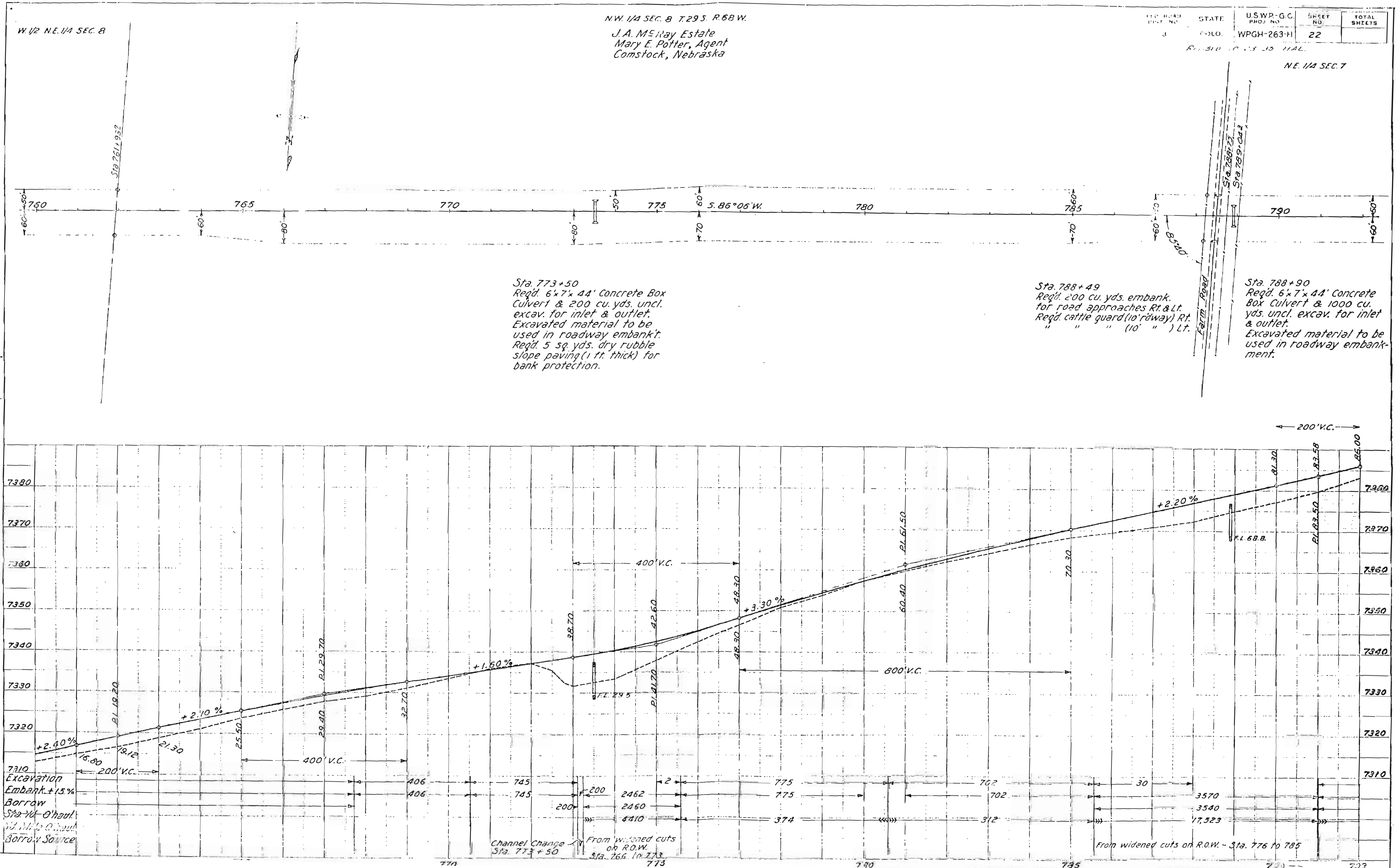
54.90 59.10 63.70 70.90 73.22 75.40 02.70 04.88 07.20

EL. 58.90 EL. 73.30 EL. 04.80

F.L. 50.3 F.L. 70.5 F.L. 03.0 F.L. 38.9

Excavation	114	2326
Embank. +15%	2014	8692
Borrow	1900	6366
Sta Yd. O'haul.	8360	
¼ Mile O'haul.		
Borrow Source	From widened cuts on R.O.W. Sta. 722 to 728	From widened cuts on R.O.W.

730 735 740 745 750 755 760


STATE
COLO.
U.S.W.P.-G.C. PROJ. NO.
WPGH-263-H
SHEET NO.
22
TOTAL SHEETS
W. 1/2 N.E. 1/4 SEC. 8
N.W. 1/4 SEC. 8 T. 29 S. R. 68 W.
J. A. McRay Estate
Mary E. Potter, Agent
Comstock, Nebraska
N.E. 1/4 SEC. 7
Sta. 761+93?
Sta. 788+75
Sta. 789+04.3
S. 86°06' W.
85°40'
Farm Road
760
765
770
775
780
785
790
Sta. 773+50
Req'd. 6'x7'x44' Concrete Box Culvert & 200 cu. yds. uncl. excav. for inlet & outlet.
Excavated material to be used in roadway embank't.
Req'd. 5 sq. yds. dry rubble slope paving (1 ft. thick) for bank protection.
Sta. 788+49
Req'd. 200 cu. yds. embank. for road approaches Rt. & Lt.
Req'd. cattle guard (10' r'dway) Rt.
" " " (10' ") Lt.
Sta. 788+90
Req'd. 6'x7'x44' Concrete Box Culvert & 1000 cu. yds. uncl. excav. for inlet & outlet.
Excavated material to be used in roadway embankment.
7380
7370
7360
7350
7340
7330
7320
7310
+2.40%
+2.10%
+1.60%
+3.30%
+2.20%
200' V.C.
400' V.C.
400' V.C.
800' V.C.
200' V.C.
P.I. 19.20
P.I. 29.70
P.I. 41.70
P.I. 61.50
P.I. 83.50
F.L. 29.5
F.L. 68.8
Excavation
Embank. +15%
Borrow
Sta. Yd. O'haul
Yd. Mile O'haul
Borrow Source
406
745
200
2462
2460
4410
2
775
374
702
312
30
3570
3540
17,523
Channel Change Sta. 773+50
From widened cuts on R.O.W. Sta. 766 to 773
From widened cuts on R.O.W. ~ Sta. 776 to 785

STATE	U.S.W.P.-G.C. PROJ. NO.	SHEET NO.	TOTAL SHEETS
COLO.	WPGH-263-H	23	

N.E. 1/4 SEC. 7 T. 29 S. R. 68 W.
W. H. Adamson
La Veta, Colo.

N.W. 1/4 SEC. 7

Sta. 819+00
Reqd. 50 cu. yds. embank.
for Road approaches Rt. & Lt.

Sta. 819+50
Reqd. 24"× 56' C.M.P. cross culvert.

Sta. 804+00
Reqd. 24"× 110' C.M.P. cross culvert & 310 cu. yds. uncl. excav. for ditch changes.

Sta. 797+41

Sta. 820+05

Sta. 815+39

S. 85°06' W.

60'

70'

70'+50'

400' V.C.

200' V.C.

NO V.C.

200' V.C.

+2.50 %

+2.20 %

+2.30 %

F.L. 88.0

F.L. 45.7

P.I. 83.50

P.I. 103.50

P.I. 125.50

P.I. 53.10

83.58

86.00

91.00

103.42

105.70

48.50

53.30

58.50

Excavation	49	1622	497	468	
Embank. + 15 %	1049	3902	497	468	
Borrow	1000	2280			
Sta Yd. O'haul	390		6	2	
½ Mile O'haul					
Borrow Source	Chan. change Sta. 788+50	From widened cuts on R.O.W. - Sta. 793 to 813			

7450 7440 7430 7420 7410 7400 7390 7380

791 795 800 805 810 815 820 823

COLO. WPGH-263-H | 24

Sta. 847+25
Reqd. 24"× 56' C.M.P. cross culvert.

60.7' TO E. 1/4 COR. SEC. 7

S. 86°-06' W. 508'

T'WP. 29 S., RANGE 68 W.
T'WP. 29 S., RANGE 69 W.

825 830 835 840 845 850

70' 70' 80' 80'-50'

Sta. 836+00
Reqd. 24"× 56' C.M.P. cross culvert.

Sta. 842+79
Reqd. 50 cu. yds. embank. for Road approaches Rt. & Lt.
Reqd. 18"×26' C.M.P. side drain Rt.
" 18"×26' " " " Lt.
" 1 Cattle Guard (10' rdway) Rt.
" 1 " " (10' ") Lt.

Sta. 853+00
Reqd. 50 cu. yds. embank. for Road approaches Rt. & Lt.
Also reqd 2-18"×26' C.M.P. side drains Rt. & Lt.

N.W. 1/4 Sec. 7
T. 29 S., R. 68 W.

W. H. Adamson
La Veta, Colo.

N.E. 1/4 Sec. 12
T. 29 S., R. 69 W.

Pl. 29.90

7520 7510 7500 7490 7480 7470 7460 7450

400' V.C.

58.50

+2.70%

69.30

Pl. 74.70

74.50

79.30

400' V.C.

F.L. 870

+2.30%

F.L. 127

25.30

400' V.C.

Excavation	1808		158	956
Embank. +15%	6298		1705	956
Borrow	4490		1547	
Sta. Yd. O'haul.			5647	395
Yd. Mile O'haul.				
Borrow Source	From widened cuts on R.O.W. - Sta. 819 to 846		From widened cuts on R.O.W. Sta. 852 to 856+50	

822 825 830 835 840 845 850 856

STATE	U.S.W.P.-G.C. PROJ. NO.	SHEET NO.	TOTAL SHEETS
COLO	WPGH-263-H	25	

REVISED 10-23-33 H.A.L.

S.E. 1/4 Sec. 12 — N.E. 1/4 S.W. 1/4 Sec. 12

855 — 860 — 865 — S.86°06'W. — 870 — 875 — 880 — 885

80' — 50' — 80' — 50' — 100' — 90' — 272' — 100' — 60' — 60' — 50' — 60'

Sta. 858+15
Reqd. 6'×7'×58' Conc. Box Culvert & 5 sq. yds. dry rubble slope paving (1 ft. thick) for bank protection.

STA. 869+03.5

Sta. 871+00
Reqd. 24"×72' C.M.P. cross culvert.

Sta 873+00
Reqd. 50 cu. yds. embank. for Road approaches Rt. & Lt.

Sta. 882+05 to 882+28
Reqd. double 10'×8'×50' (Type 10-A) Conc. Box Culvert, 9000 cu. yds. uncl. excav., and 3000 Sta. yards for channel change.
Excavated material to be used in roadway embankment

Arroyo — P.C. 882+32.7

Sta 880+00 to 885+04
Reqd. 504 lin. ft. Wire Cable Guard Fence Lt.
" 504 " " " " " " Rt.

N.E. 1/4 Sec. 12 T. 29 S., R. 69 W. — John Kirkpatrick Walsenburg, Colo.

S.E. 1/4 N.W. 1/4 Sec. 12 — A. A. Campbell La Veta, Colo.

S.W. 1/4 N.W. 1/4 Sec. 12

P.I. 29.90 — 28.90 — 30.50 — P.I. 33.50 — 31.80 — 32.30 — 22.50 — P.I. 14.60 — 14.45 — 17.40 — 11.20 — 06.10

+0.30 % — -1.40 % — -1.70 %

400' V.C. — 800' V.C. — 400' V.C. — 800' V.C.

F.L. 17.9 — F.L. 15.9 — F.L. 96.0

7540 — 7530 — 7520 — 7510 — 7500 — 7490 — 7480

Excavation	93	11618	5718	5718	483	194	194	9427	9364			
Embank. +15%	11711				483		63					
Borrow					324							
Sta Yd. O'haul.	35743			5456				17635				
Yd. Mile O'haul.												
Borrow Source					From widened cuts on R.O.W. Sta. 873 to 878							

853 — 855 — 860 — 865 — 870 — 875 — 880 — 885

STATE	F.A.WP-G.C. PROJ. NO	SHEET NO.	TOTAL SHEETS
COLO.	WPGH-263-H	26	

REVISED 10-23-35 HAL

S.W. 1/4 Sec. 12

S.1/2 N.E. 1/4 Sec. 11
T. 29 S., R. 69 W.

P.I. 888+00

346.2'

107°08'

890 895 900 N. 71°-30' W. 905 910 60+50

S 86°06' W 885.

Sta. 887+00
Reqd. 36"x66' C.M.P. cross culvert & 50 cu. yds. uncl. excav. for inlet.

Δ = 22°-24' R.
D = 2°-00'
T = 567.3'
L = 1120.0'
R = 2865.0'

P.T. 893+52.7

Sta. 895+00
Reqd. 50 cu. yds. embank. for Road approaches Rt. & Lt.
Reqd. 18"x26' C.M.P. side drain Rt.
" 18"x26' " " " Lt.

STA. 896+20.9

Sta. 887+00 to 937+50
Reqd. 1300 cu. yds. uncl. excav. for side ditch Rt.

Sta. 908+00
Reqd. 24"x52' C.M.P. cross culvert & 15 cu. yds. uncl. excav. for inlet & outlet.

P.C. 882+32.7

S.W.1/4 N.W. 1/4 Sec. 12

John Hopkins
La Veta, Colo.

200' V.C.

69.60 72.45 75.40

P.I. 72.40

F.I. 53.0

+2.80%

P.I. 24.80

24.75 27.60 21.80

200' V.C.

800' V.C.

11.30

+3.00%

06.10 04.00

-1.70%

F.I. 96.0

F.I. 95.4

P.I. 99.30

7570 7560 7550 7540 7530 7520 7510 7500 7490

Excavation	165	
Embank. ±15%	9165	
Borrow	9000	
Sta. Yd. O'haul	34950	
Yd. Mile O'haul		
Borrow Source	From channel change - Sta. 882	

882 885 890 895 900 905 910 914

STATE	U.S.WP-G.C PROJ. NO.	SHEET NO.	TOTAL SHEETS
COLO.	WPGH-263-H	27	

REVISED 10-23-35 FINAL

S. 1/2 N.E. 1/4 Sec. 11 — Maggie E. Campbell, La Veta, Colo.

S.E. 1/4 N.W. 1/4 Sec. 11, T. 29 S., R. 69 W. — Maggie E. Campbell, La Veta, Colo.

W. 1/2 N.W. 1/4 Sec. 11 — Maggie E. Campbell

Sta. 940+00
Reqd. 2-18"x 26' C.M.P. side drains & 50 cu. yds. embank. for Road approaches Rt. & Lt.

915 920 925 Sta 926+48 N. 71° 30' W. 930 935 940 945

Sta. 917+54
Reqd. 2-18"x 26' C.M.P. side drains & 50 cu. yds. embank. for Road approaches Rt. & Lt.

Sta. 929+00
Reqd. 24"x 56' C.M.P. cross culvert.

115° 51'

Sta 937.37

1505.7' TO N. 1/4 COR. SEC. 11

400' V.C.

69.30 61.85 55.50 61.30

7660 7650 7640 7630 7620 7610 7600 75

N. 1/2 N.E. 1/4 Sec. 11 — N.E. 1/4 N.W. 1/4 Sec. 11 — A.A. Campbell, La Veta, Colo.

7640 7630 7620 7610 7600 7590 7580 7570

+3.10% +2.90% +3.00%

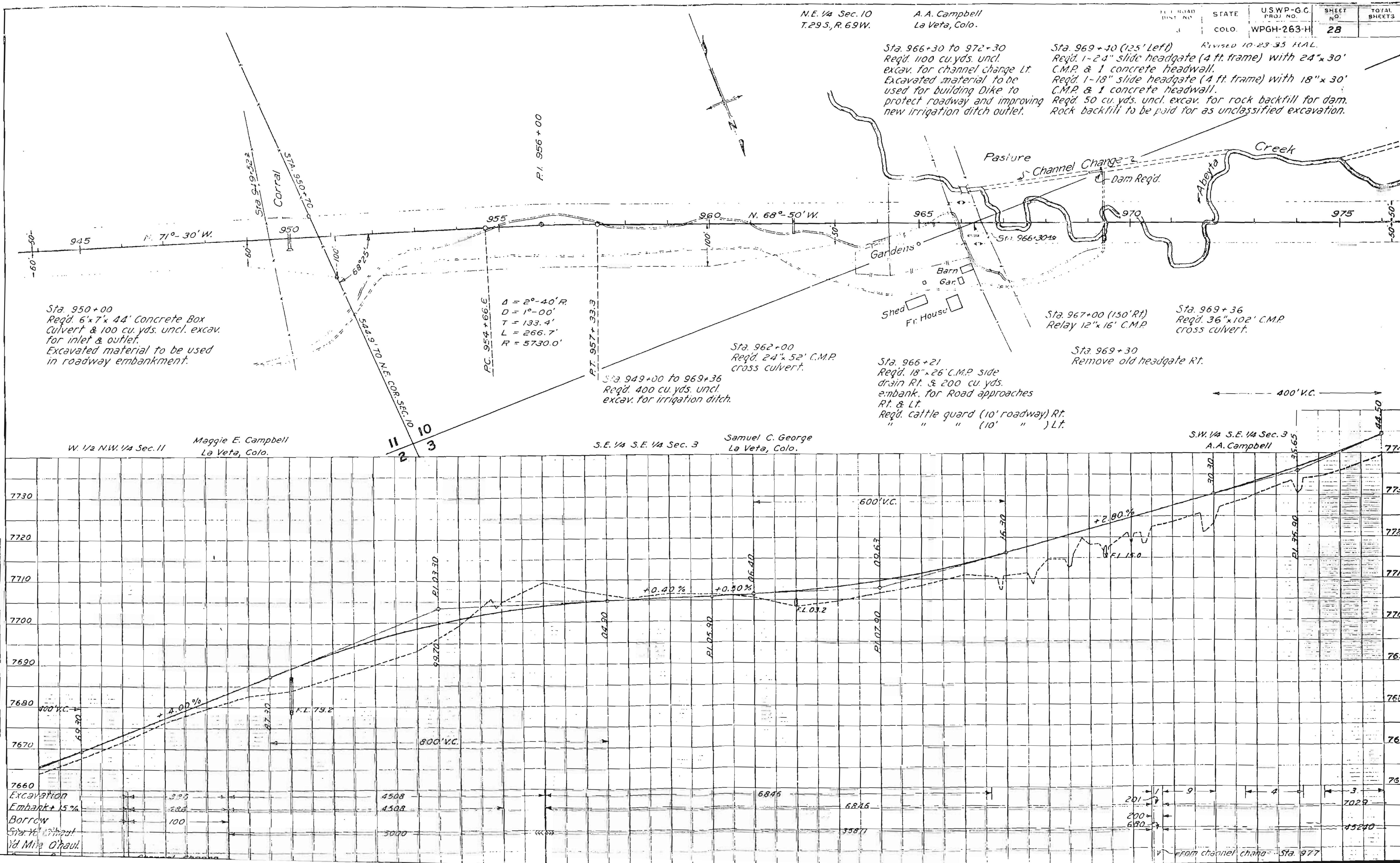
200' V.C. 200' V.C. NO V.C.

72.45 75.40 Pl. 87.40 06.00 08.05 Pl. 09.10 12.00 F.L. 16.7

P.C. Pl. 72.40

Excavation	4378	
Embank. +15%	11145	
Borrow	6767	
~~Sta Yd O'haul~~		
Yd. Mile O'haul		
Borrow Source	From widened cuts on R.O.W. - Sta 891 to 936	

913 915 920 925 930 935 940



STATE COLO.
U.S.W.P.-G.C. PROJ. NO. WPGH-263-H
SHEET NO. 28
TOTAL SHEETS
Revised 10-23-35 HAL.
N.E. 1/4 Sec. 10
T.29 S., R.69 W.
A. A. Campbell
La Veta, Colo.
Sta. 966+30 to 972+30
Req'd. 1100 cu. yds. uncl. excav. for channel change Lt. Excavated material to be used for building Dike to protect roadway and improving new irrigation ditch outlet.
Sta. 969+40 (125' Left)
Req'd. 1-24" slide headgate (4 ft. frame) with 24"x 30' C.M.P. & 1 concrete headwall.
Req'd. 1-18" slide headgate (4 ft. frame) with 18"x 30' C.M.P. & 1 concrete headwall.
Req'd. 50 cu. yds. uncl. excav. for rock backfill for dam.
Rock backfill to be paid for as unclassified excavation.
P.I. 956+00
Sta. 949+52.3
Corral
STA. 950+70
Pasture
Channel Change
Dam Req'd.
Abeyta
Creek
945
950
955
960
965
970
975
N. 71°-30' W.
N. 68°-50' W.
Gardens
Barn
Gar.
Shed
Fr. House
Sta. 966+30±
68°25'
544.9' TO N.E. COR. SEC. 10
PC. 954+66.6
P.T. 957+33.3
Δ = 2°-40' R.
D = 1°-00'
T = 133.4'
L = 266.7'
R = 5730.0'
Sta. 950+00
Req'd. 6'x7'x 44' Concrete Box Culvert & 100 cu. yds. uncl. excav. for inlet & outlet.
Excavated material to be used in roadway embankment.
Sta. 962+00
Req'd. 24"x 52' C.M.P. cross culvert.
Sta. 949+00 to 969+36
Req'd. 400 cu. yds. uncl. excav. for irrigation ditch.
Sta. 966+21
Req'd. 18"x 26' C.M.P. side drain Rt. & 200 cu. yds. embank. for Road approaches Rt. & Lt.
Req'd. cattle guard (10' roadway) Rt.
" " " (10' ") Lt.
Sta. 967+00 (150' Rt.)
Relay 12"x 16' C.M.P.
Sta. 969+36
Req'd. 36"x 102' C.M.P. cross culvert.
Sta. 969+30
Remove old headgate Rt.
400' V.C.
W. 1/2 N.W. 1/4 Sec. 11
Maggie E. Campbell
La Veta, Colo.
S.E. 1/4 S.E. 1/4 Sec. 3
Samuel C. George
La Veta, Colo.
S.W. 1/4 S.E. 1/4 Sec. 3
A. A. Campbell
11
10
2
3
7740
7730
7720
7710
7700
7690
7680
7670
7660
400' V.C.
+4.00%
69.30
87.30
F.L. 79.2
800' V.C.
P.I. 03.30
99.70
04.90
+0.40%
+0.50%
600' V.C.
P.I. 05.90
06.40
F.L. 03.2
P.I. 07.90
09.63
16.30
+2.80%
F.L. 15.0
30.30
35.65
P.I. 35.90
44.50
Excavation
Embank+15%
Borrow
Sta. Yd. O'haul
Yd. Mile O'haul
326
286
100
4508
4508
5000
6846
6846
35871
201
200
680
9
4
3
7029
45240
From channel change Sta. 977

STATE	U.S.W.P.-G.C. PROJ. NO.	SHEET NO.	TOTAL SHEETS
COLO.	WPGH-263-H	29	

N.E. 1/4 Sec. 10

S.W. 1/4 S.W. 1/4 Sec. 3
T. 29 S., R. 69 W.

Maggie E. Campbell
La Veta, Colo.

515.5' TO

Sta. 975+00 to 980+00
Req'd. 1500 cu. yds. Unclass. Excav. for Channel Change

Channel Change 2

Creek

Abeyta

S 1/4 COR. SEC. 3

70°12'

975 980 985 990 N. 68°50' W. 995 1000 1005

STA. 995+32.7

STA. 980+45

Sta. 977+00
Req'd. 6'x7'x44' Concrete Box Culvert & 200 cu. yds. uncl. excav. for inlet & outlet. Excavated material to be used in roadway embankment.

Sta. 980+00 to 987+00
Req'd. 175 cu. yds. uncl. excav. for surface ditch Rt.

Sta. 988+00
Req'd. 24"x70' C.M.P. cross culvert.

Sta. 998+81
Req'd. 48"x70' C.M.P. cross culvert.

S.W. 1/4 S.E. 1/4 Sec. 3

A. A. Campbell
La Veta, Colo.

E. 1/2 S.W. 1/4 Sec. 3

A. A. Campbell
La Veta, Colo.

N.W. 1/4 S.W. 1/4 Sec. 3

7790 7780 7770 7760 7750 7740 7730 7720

400' V.C. +4.30% 800' V.C. NO V.C. +1.80 +1.65 800' V.C. +5.00% 800' V.C. 600' V.C. +2.00%

P.I. 77.90 P.I. 87.90 P.I. 91.22 P.I. 94.50 P.I. 34.50

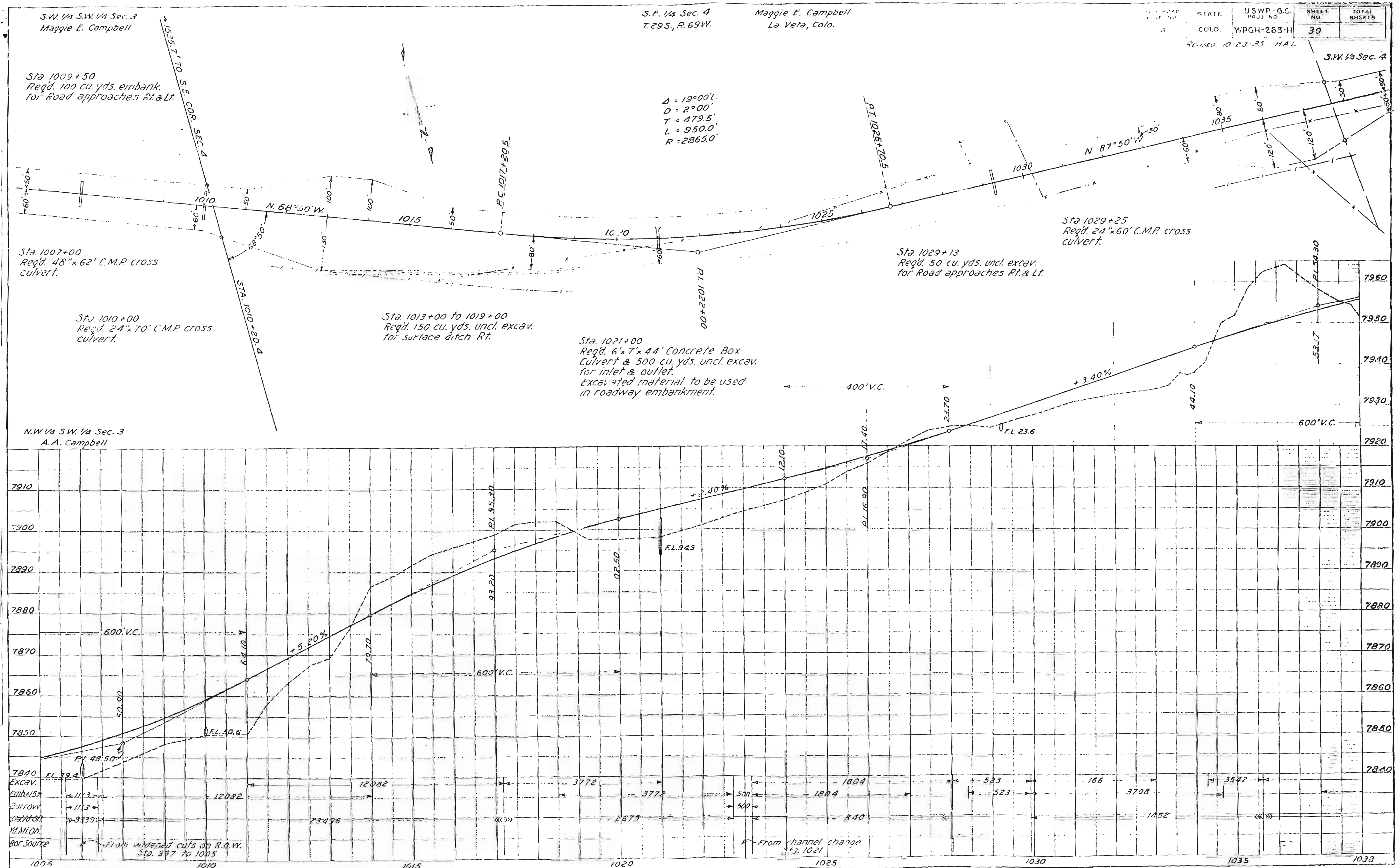
44.50 61.70 76.40 86.10 95.18 91.22 94.50 42.50 42.50

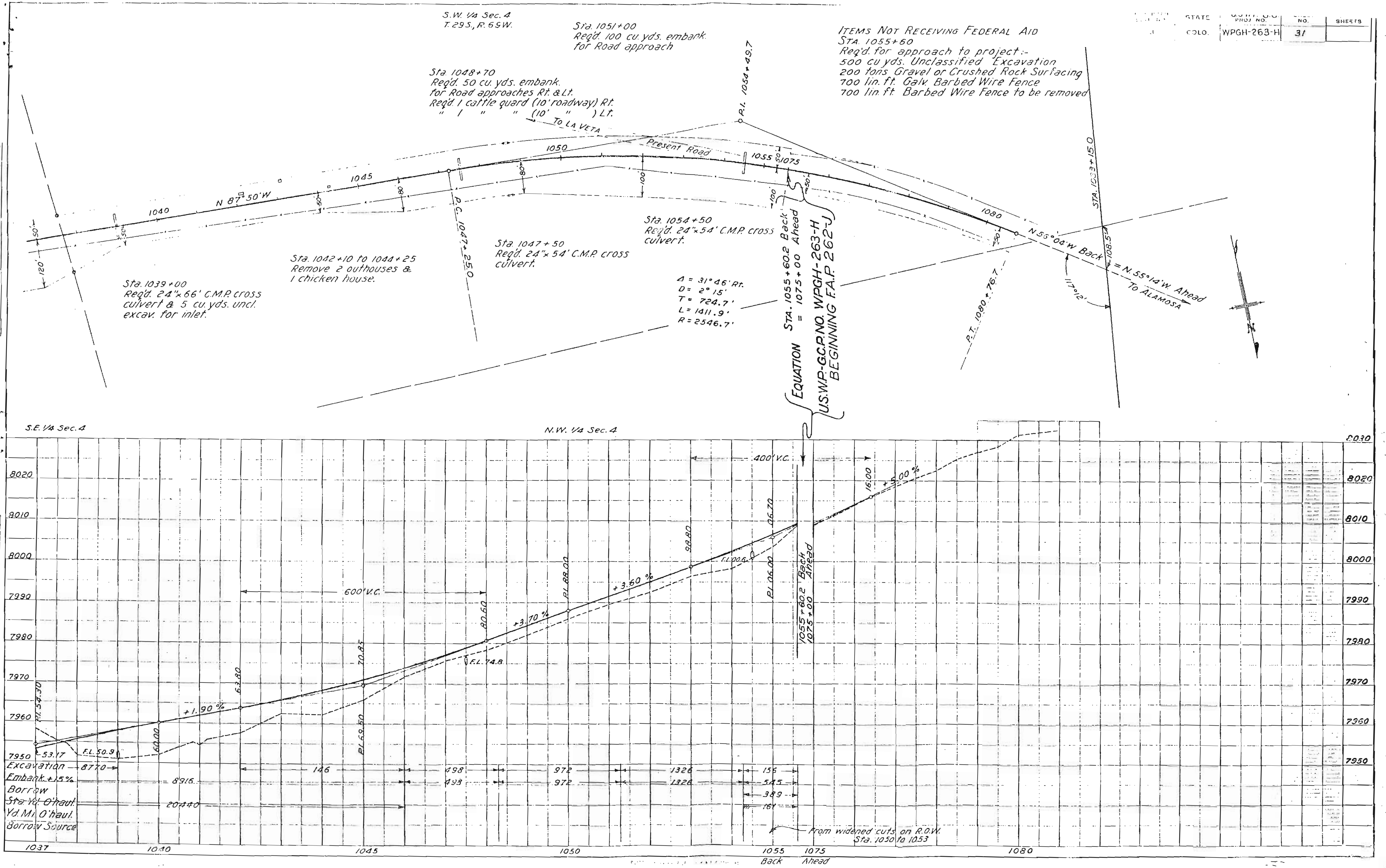
F.L. 38.8 F.L. 79.2 F.L. 15.0 F.L. 39.4

7790 7780 7770 7760 7830 7820 7810 7800 7790 7850 7840 7830 7820 7810 7800 7790

Excavation	7013		5987	148	1998	
Embank +15%			5987	148	1998	
Borrow						
Sta. Haul			16329		1930	
Yd. Mile Haul						
Borrow Source						

975 980 985 990 995 1000 1005 1007


STATE
COLO.
U.S.W.P.-G.C. PROJ. NO.
WPGH-283-H
SHEET NO.
30
TOTAL SHEETS
Revised 10-23-35 HAL
S.W. 1/4 S.W. 1/4 Sec. 3
Maggie E. Campbell
S.E. 1/4 Sec. 4
T.29S., R.69W.
Maggie E. Campbell
La Veta, Colo.
S.W. 1/4 Sec. 4
1535.7' TO S.E. COR. SEC. 4
STA. 1010+20.4
Sta 1009+50
Reqd. 100 cu. yds. embank.
for Road approaches Rt. & Lt.
Δ = 19°00'L
D = 2°00'
T = 479.5'
L = 950.0'
R = 2865.0'
P.C. 1017+20.5
P.T. 1026+70.5
P.I. 1022+00
N. 68°50'W.
68°50'
N 87°50'W
1010
1015
1020
1025
1030
1035
Sta. 1007+00
Reqd. 48"x62' C.M.P. cross
culvert.
Sta. 1010+00
Reqd. 24"x70' C.M.P. cross
culvert.
Sta. 1013+00 to 1019+00
Reqd. 150 cu. yds. uncl. excav.
for surface ditch Rt.
Sta. 1021+00
Reqd. 6'x7'x44' Concrete Box
Culvert & 500 cu. yds. uncl. excav.
for inlet & outlet.
Excavated material to be used
in roadway embankment.
Sta. 1029+13
Reqd. 50 cu. yds. uncl. excav.
for Road approaches Rt. & Lt.
Sta 1029+25
Reqd. 24"x60' C.M.P. cross
culvert.
N.W. 1/4 S.W. 1/4 Sec. 3
A.A. Campbell
7960
7950
7940
7930
7920
7910
7900
7890
7880
7870
7860
7850
7840
P.I. 48.50
50.90
F.L. 39.4
F.L. 50.6
600' V.C.
64.10
+5.20%
79.70
600' V.C.
93.20
P.I. 95.30
02.50
F.L. 94.9
+2.40%
12.10
P.I. 16.90
17.40
400' V.C.
23.70
F.L. 23.6
+3.40%
44.10
600' V.C.
P.I. 54.30
53.17
Excav.
Emb.+15%
Borrow
Sta.Yd.Oh.
Yd.Mi.Oh.
Bor. Source
1113
1113
3339
12082
12082
23496
3772
3772
2675
500
500
1804
1804
840
523
523
166
3708
1052
3542
From widened cuts on R.O.W.
Sta. 997 to 1005
From channel change
Sta. 1021
1006
1010
1015
1020
1025
1030
1035
1038



STATE
COLO.
WPGH-263-H
NO.
31
SHEETS
S.W. 1/4 Sec. 4
T. 29 S., R. 69 W.
Sta. 1051+00
Req'd. 100 cu. yds. embank. for Road approach
ITEMS NOT RECEIVING FEDERAL AID
STA. 1055+60
Req'd. for approach to project:-
500 cu yds. Unclassified Excavation
200 tons Gravel or Crushed Rock Surfacing
700 lin. ft. Galv. Barbed Wire Fence
700 lin. ft. Barbed Wire Fence to be removed
Sta. 1048+70
Req'd. 50 cu. yds. embank. for Road approaches Rt. & Lt.
Req'd. 1 cattle guard (10' roadway) Rt.
" 1 " " (10' ") Lt.
To LA VETA
Present Road
P.I. 1054+49.7
N 87° 50' W
P.C. 1047+25.0
Sta. 1054+50
Req'd. 24"x54' C.M.P. cross culvert.
Sta. 1047+50
Req'd. 24"x54' C.M.P. cross culvert.
Sta. 1042+10 to 1044+25
Remove 2 outhouses & 1 chicken house.
Sta. 1039+00
Req'd. 24"x66' C.M.P. cross culvert & 5 cu. yds. uncl. excav. for inlet.
Δ = 31° 46' Rt.
D = 2° 15'
T = 724.7'
L = 1411.9'
R = 2546.7'
EQUATION Sta. 1055+60.2 Back = 1075+00 Ahead
U.S.W.P.-G.C.P. NO. WPGH-263-H
BEGINNING F.A.P. 262-J
P.T. 1080+76.7
N 55° 04' W Back
N 55° 14' W Ahead
To ALAMOSA
117° 12'
STA. 1083+15.0
S.E. 1/4 Sec. 4
N.W. 1/4 Sec. 4
400' V.C.
600' V.C.
+5.00 %
+3.60 %
+3.70 %
+1.90 %
P.I. 88.00
P.I. 06.00
P.I. 69.50
P.I. 54.30
F.L. 74.8
F.L. 50.9
1055+60.2 Back
1075+00 Ahead
8030 8020 8010 8000 7990 7980 7970 7960 7950
Excavation — 8770 — 146 — 498 — 972 — 1326 — 156
Embank. +15% — 8916 — 498 — 972 — 1326 — 545
Borrow — 389
Sta. Yd. O'haul — 20440
Yd. Mi. O'haul — 161
Borrow Source
From widened cuts on R.O.W. Sta. 1050 to 1053
1037 1040 1045 1050 1055 Back 1075 Ahead 1080