

See Standard M-100-A for STANDARD SYMBOLS

STATE DEPARTMENT OF HIGHWAYS

DIVISION OF HIGHWAYS—STATE OF COLORADO

PLAN AND PROFILE OF PROPOSED FEDERAL AID PROJECT NO. RS 0392 (5) STATE HIGHWAY NO. 392 WELD COUNTY



TABULATION OF LENGTH AND DESIGN DATA

STATION	ROADWAY LIN. FT.	
878+00.0 BEGIN RS 0392(5) * 878+00.0 END C 03-0392-03 MP 131.0	5200.00	
930+00 END RS 0392(5) MP 132.0		
TOTALS	5200.00	

SUMMARY	LIN. FT.	MILES
ROADWAY	5200.00	0.985
TOTAL ROADWAY (NET & GROSS LENGTH)	5200.00	0.985

DESIGN DATA	
* MAXIMUM DEGREE OF CURVE	2° 30'
MAXIMUM GRADE	+ 0.39%
* MINIMUM SSD HORIZONTAL	> 900'
MINIMUM SSD VERTICAL	> 1300'
MAXIMUM DESIGN SPEED	60 M.P.H.
1998 DESIGN TRAFFIC VOLUME	ADT = 1350 DHV = 160

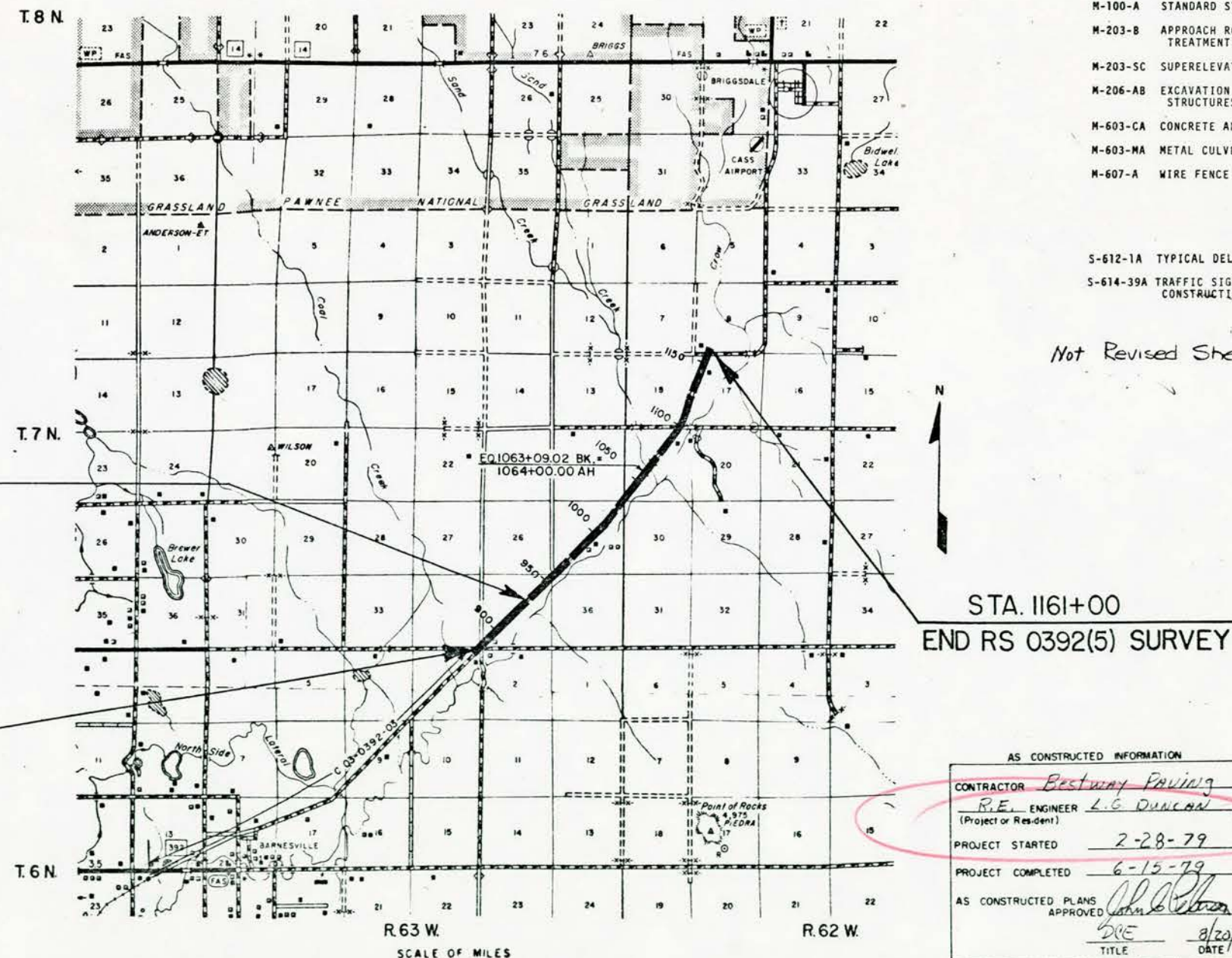
*APPROACH TO PROJECT

DIST. IV	FILE	COPY
DIST. ENGR.		
ASST. ENGR.		
CONSTR.		
PRE-CONST.		
ERA		
UTIL		
DESIGN		
ROW		
MAT'L'S		
EEO		
RE-PE'S		
MAINT.		
TRAFFIC		

STA. 930+00 END RS 0392(5)

STA. 878+00 BEGIN RS 0392(5)=
STA. 878+00 END C03-0392-03

SCALES OF ORIGINAL DRAWINGS
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



FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NO.
VIII	COLORADO	RS 0392 (5)	1

AS CONSTRUCTED

NO REVISIONS	REVISED	VOID
	6-15-79	

INDEX OF SHEETS

SHEET NO.	
1	TITLE PAGE, SKETCH MAP, INDEX OF SHEETS AND TABULATION OF LENGTH AND DESIGN DATA
2	TYPICAL SECTION AND GENERAL NOTES
3 - 4	SUMMARY OF APPROXIMATE ^{FINAL} QUANTITIES
5	STRUCTURE QUANTITIES
6	SUMMARY OF EARTHWORK QUANTITIES AND SCHEDULE OF CONSTRUCTION TRAFFIC SIGNS
7	BASE COURSE AND SURFACE COURSE PLAN, FENCING REQUIREMENTS AND DELINEATORS
8	PIT SKETCH
9 - 11	PLAN AND PROFILE SHEETS
12 - 14	PIT CROSS SECTIONS

M STANDARDS

M-100-A	STANDARD SYMBOLS	5-11-73
M-203-B	APPROACH ROADS, FLARING, CUT SLOPE TREATMENT, BRIDGE AND CREST WIDENING	12-11-72
M-203-SC	SUPERELEVATION OF CURVES-CROWNED HIGHWAYS	1-6-77
M-206-AB	EXCAVATION AND BACKFILL FOR STRUCTURES (3 SHEETS)	5-8-78
M-603-CA	CONCRETE AND METAL END SECTIONS	8-29-77
M-603-MA	METAL CULVERT PIPE - H-20 LOADING	11-3-78
M-607-A	WIRE FENCE AND GATES (2 SHEETS)	10-15-75

S STANDARDS

S-612-1A	TYPICAL DELINEATOR INSTALLATIONS (4 SHEETS)	10-28-77
S-614-39A	TRAFFIC SIGNING FOR HIGHWAY CONSTRUCTION (4 SHEETS)	5-8-78

Not Revised Sheet No. 2

STA. 1161+00
END RS 0392(5) SURVEY

DIVISION OF HIGHWAYS

APPROVED

W. F. Rushick 12/20/78
for CHIEF ENGINEER DATE

AS CONSTRUCTED INFORMATION

CONTRACTOR *Bestway Paving*
R.E. ENGINEER *L.G. DUNLAP*
(Project or Resident)

PROJECT STARTED *2-28-79*

PROJECT COMPLETED *6-15-79*

AS CONSTRUCTED PLANS APPROVED *[Signature]* 8/20/79
TITLE DATE

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED

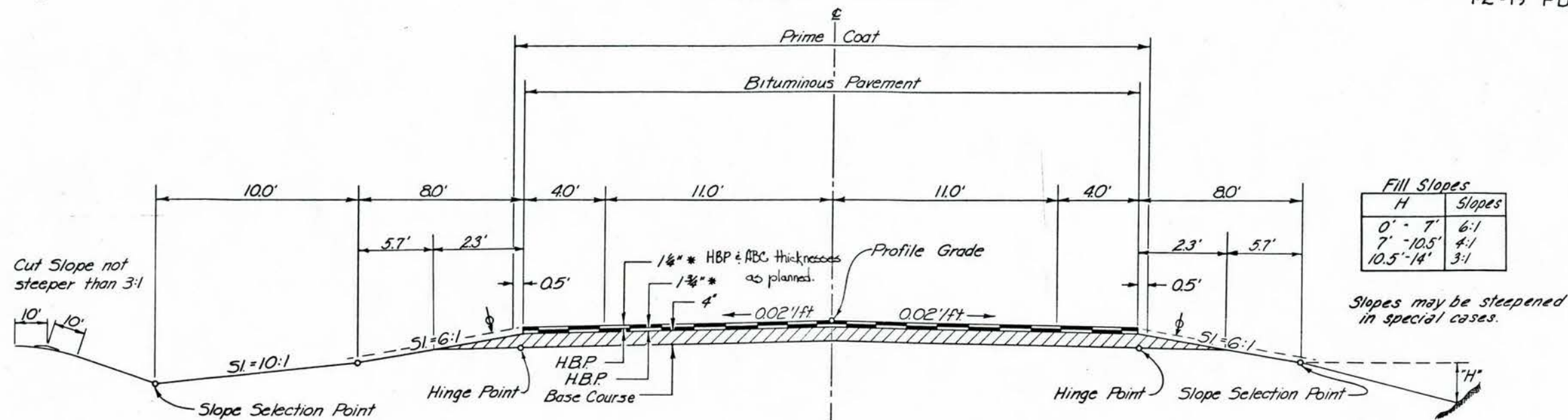
DATE

DIVISION ADMINISTRATOR

TYPICAL SECTION

(R-1) Revised Note,
1-2-79 PDL

FEDERAL ROAD REGION NO.	DISTRICT	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	RS 0392 (5)	2	
AS CONSTRUCTED				
NO REVISIONS 6-15-79 REVISED VOID				



No excavation below 6:1 slope and/or 10:1 slope.

*Approximate Thickness

Topsoil Will be Placed to Line Shown.

The depth and width of the side ditch shall be varied where necessary in order to provide proper drainage.

Break points on slopes and in bottoms of ditches shall be rounded on construction for a pleasing appearance.

Material shall be placed in separate courses at the following rates per 100 lin. ft. of roadway:

Bituminous Pavement { Top layer 23 Tons
Bottom layer 32 Tons
Base Course 72 Tons

GENERAL NOTES

FOR PRELIMINARY PLAN QUANTITIES OF BITUMINOUS MATERIALS, THE FOLLOWING RATES OF APPLICATION WERE USED:

PRIME COAT (MC-70) @ 0.40 GALS PER SQ. YD.
TACK COAT DILUTED EMUL. ASPH. (CSS-1) @ 0.10 GALS PER SQ. YD. (DILUTED 1:1)

DILUTED EMULSIFIED ASPHALT FOR TACK COAT SHALL CONSIST OF 1 PART EMULSIFIED ASPHALT AND 1 PART WATER.

RATES OF APPLICATION SHALL BE AS DETERMINED BY THE ENGINEER AT THE TIME OF APPLICATION.

WATER SHALL BE USED AS A DUST PALLIATIVE WHERE REQUIRED. LOCATIONS SHALL BE AS ORDERED.

THE FOLLOWING SHALL BE FURNISHED WITH EACH BITUMINOUS PAYER:

1. A SKI TYPE DEVICE AT LEAST 30 FEET IN LENGTH
2. SHORT SKI OR SHOE

ANY LAYER OF BITUMINOUS PAVEMENT THAT IS TO HAVE A SUCCEEDING LAYER PLACED THEREON SHALL BE COMPLETED FULL WIDTH BEFORE SUCCEEDING LAYER IS PLACED.

ROAD APPROACHES WHICH REQUIRE BITUMINOUS PAVEMENT SHALL BE PRIMED AND A 3" THICKNESS OF PAVEMENT PLACED AS FOLLOWS:

PUBLIC APPROACHES AND ENTRANCES TO BUILDINGS OR RESIDENCES SHALL BE PAVED 50 FT. OUT FROM EDGE OF SHOULDER OR TO THE RIGHT OF WAY LINE WHICHEVER IS LESS. FIELD ENTRANCES SHALL BE PAVED 4 FT. OUT FROM EDGE OF SHOULDER.

IT IS ESTIMATED THAT OLD ROAD IS TO BE OBLITERATED AT THE FOLLOWING LOCATIONS:

STA. 883+ TO STA. 917+ RT.
STA. 920+ TO STA. 943+ RT.

DEPTH OF MOISTURE-DENSITY CONTROL FOR THIS PROJECT SHALL BE AS FOLLOWS:

FULL DEPTH OF ALL EMBANKMENTS
BASES OF CUTS AND FILLS 0.5 FOOT

EXCAVATION REQUIRED FOR COMPACTION OF BASES OF CUTS AND FILLS WILL BE CONSIDERED AS SUBSIDIARY TO THAT OPERATION AND WILL NOT BE PAID FOR SEPARATELY.

IT IS ESTIMATED THAT 500 HOURS OF FLAGGING FOR CONTROLLING TRAFFIC WILL BE REQUIRED FOR THIS PROJECT.

THE MINIMUM THICKNESS OF TOPSOIL SHALL BE 4 INCHES. IT IS ESTIMATED THAT 5,562 CU. YDS. OF TOPSOIL WILL BE REQUIRED FOR THIS PROJECT AND SHALL BE OBTAINED FROM WITHIN THE RIGHT OF WAY. THE REMOVAL OF THE TOPSOIL WITHIN THE RIGHT OF WAY SHALL BE PAID FOR AS UNCLASSIFIED EXCAVATION. IT SHALL BE STOCKPILED AT LOCATIONS DIRECTED BY THE ENGINEER. THE TOPSOIL WHEN PLACED ON THE ROADWAY SLOPES, ETC., SHALL BE PAID FOR AS TOPSOIL (HAUL) - CU. YD.

THE SEEDING MIXTURE FOR THE BORROW PIT AREA WILL BE THE SAME AS THE ROADWAY. TOPSOIL FOR THE PIT WILL BE PAID FOR AS ITEM 203 - STRIPPING - CU. YD. FERTILIZER FOR THE PIT SHALL BE PAID FOR AS TOPSOIL (HAUL) - TON AND SHALL CONSIST OF MANURE OBTAINED FROM THE PIT OWNER'S SHEEP PENS APPLIED AT A RATE OF 18 TONS PER ACRE. ESTIMATED QUANTITY - 90 TONS. THE HAUL DISTANCE FROM THE SHEEP PENS TO THE BORROW AREA IS APPROXIMATELY 5.3 MILES.

SEEDING, SOIL PREPARATION, FERTILIZING WITH COMMERCIAL FERTILIZER, AND MULCHING WILL BE REQUIRED FOR APPROXIMATELY 10.5 ACRES FOR ROADWAY WITHIN RIGHT OF WAY LIMITS ON ALL DISTURBED AREAS NOT SURFACED.

SEEDING, SOIL PREPARATION, MULCHING, AND FERTILIZING WITH SHEEP MANURE WILL BE REQUIRED FOR APPROXIMATELY 4.5 ACRES FOR PIT ON ALL DISTURBED AREAS.

THE FOLLOWING TYPES AND RATES SHALL BE USED:

COMMON NAME	BOTANICAL NAME	PERCENT PURITY	PERCENT GERMINATION	RATE PLS/ACRE
SAND REED	CALAMOUILFA LONGIFOLIA	50	50	6.5
SAND BLUESTEM	ANDROPOGON HALLII	27	70	16.0
SWITCHGRASS	PANICUM VIRGATUM	79	80	4.5
SIDE OATS GRAMA	BOUTELOUA CURTIDENDULA	50	50	9.0
BLUE GRAMA	BOUTELOUA GRACILIS	35	60	2.0
TOTAL PLS/ACRE SEEDING (NATIVE)				38.0

MULCHING MATERIAL:

NATIVE HAY 1-1/2 TONS PER ACRE

FERTILIZER TYPE	AVAILABLE NITROGEN (N)		AVAILABLE PHOSPHATE (P)		AVAILABLE POTASSIUM (K)	TOTAL LBS/ACRE
	%	LBS.	%	LBS.	%	LBS.
DIAMMONIUM PHOSPHATE (18-46-0)	18	54	46	138		300

PROJECT TOTALS

SEEDING (NATIVE)	570 LBS.
MULCHING	23 TONS
FERTILIZER	3150 LBS.
SOIL PREPARATION (NATIVE)	15 ACRES

GUARD POSTS, DELINEATORS AND SIGNS WILL BE REMOVED BY STATE FORCES.

(R-1) Revised Quantity, 1-2-79 PDL

SUMMARY OF APPROXIMATE QUANTITIES

FINAL

AS CONSTRUCTED
NO REVISIONS ☐ REVISED ☒ 6-15-79 VOID ☐

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	RS 0392(15)	3	

INDEX			CONTRACT ITEM NO.	CONTRACT ITEM	UNIT												PLANNED PROJECT TOTALS	FINAL PROJECT TOTALS	OVER/ UNDER RUN	TO OVER/ UNDER RUN
BOOK	PAGE	SHEET																		
	See 305 Shls.																			
			202	Removal of Fence	Lin. Ft.												2,125	2,793	+668	+31
			203	Unclassified Excavation	Cu. Yd.												19,774	23,842	+4,068	+21
			203	Borrow	Cu. Yd.												22,301	23,253	+952	+4
			203	Stripping	Cu. Yd.												3,700	4,863	+1,163	+31
			203	Compaction (AASHTO T 180)	Cu. Yd.												32,232	34,742	+2510	+8
			204	Haul	Yd. Mi.												96,129	100,743	+4614	+5
			206	Structure Excavation	Cu. Yd.												51	72	+21	+41
			206	Structure Backfill (Class 2)	Cu. Yd.												59	58	-1	-2
			207	Topsoil (Haul)	Cu. Yd.												5,562	4,433	-1,129	-20
			207	Topsoil (Haul)	Ton												81	80	-1	-1
			209	Wetting	MGal.												885	1,100	+215	+24
			210	Reset Mailbox Structure	Each												1	1	0	0
			212	Seeding (Native)	Lb.												570	153	-417	-73
			212	Fertilizer	Lb												3,150	3,900	+750	+24
			212	Soil Preparation (Native)	Acre												15	17.1	+2.1	+14
			212	Seeding (Native)	Lb.												0	494	+494	-
			213	Mulching	Ton												23	25.65	+2.65	+12
			304	Aggregate Base Course (Class 6) (Haul)	Ton												5,238	5,531	+293	+6
			403	Hot Bituminous Pavement (Grading Ex) (Haul and Asphalt)	Ton												2,701	2,702	+1	0
			411	Emulsified Asphalt (CSS-1)	Gal.												822	349	-473	-58
			411	Liquid Asphaltic Material (MC-70)	Gal.												6778	4,258	-2,540	-37
			607	End Post	Each												19	14	-5	-26
			607	Corner and Line Brace Post	Each												12	12	0	0
			607	Fence Barbed Wire with Metal Post	Lin. Ft.												12,350	12,554	+204	+2
			607	24 Foot Gate Twin Driveway	Each												1	1	0	0

★ Line Item Authorized by CMO #0876

AS CONSTRUCTED		
NO REVISIONS	☐	REVISED ☐ 6-15-79 VOID ☐

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEET
VIII	COLORADO	PS 0392(15)	4	

INDEX			CONTRACT ITEM NO.	CONTRACT ITEM	UNIT															PLANNED PROJECT TOTALS	FINAL PROJECT TOTALS	OVER/ UNDER RUN	% OVER/ UNDE RUN
BOOK	PAGE	SHEET																					
		See 305 Shts.	612	Delineator (Type I)	Each															57	54	-3	-5
			614	Flagging	Hour															500	205	-295	-59
			614	Barricade (Type 3M-C) (Temporary)	Each															2	2	0	0
			614	Construction Traffic Sign (Panel Size A)	Each															8	0	-8	-100
			614	Construction Traffic Sign (Panel Size B)	Each															18	16	-2	-11
			614	Vertical Panel	Each															10	6	-4	-40
			617	18 Inch Culvert Pipe	Lin Ft.															62	62	0	0
			617	24 Inch Culvert Pipe	Lin Ft.															172	162	-10	-6
			620	Field Laboratory	Each															1	1	0	0
			620	Sanitary Facility	Each															1	1	0	0
			626	Mobilization	L.S.															1	1	0	0
				<u>FORCE ACCOUNT</u>																			
			FIA01	Minor Contract Revisions	F.A.															1	\$ 0.00		
			FIA02	Obliterating Old Road	F.A.															1	\$682.60		
			FIA03	Remove Concrete Stockpile	F.A.															1	\$1,551.64		
				<u>STATE FORCES</u>																			
			FIA04	Final Signing and Striping	F.A.															1	1		

STRUCTURE QUANTITIES

Ref. Em 305

AS CONSTRUCTED		FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NO.
NO REVISIONS	REVISED 6-15-79	VIII	COLORADO	RS 0392(5)	5

INDEX			LOCATION	UNCLASSIFIED EXCAVATION			STRUCTURE EXCAVATION		STRUCTURE BACKFILL		AGGREGATE BASE COURSE SURFACING (CLASS 6)	HOT BITUMINOUS PAVEMENT (GRADING EX)	CULVERT PIPE								"H" OVER CULV. FT	* END SECTION				MISCELLANEOUS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
BOOK	PAGE	SHEET		CUBIC YARD			CUBIC YARD		CUBIC YARD				LINEAR FEET									EACH																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
				EXCAV.	EMB.	DITCH	PLAN	FINAL	PLAN	FINAL			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL		PLAN	FINAL	PLAN	FINAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			880+47 881+75 910+00		60 ⁵			37		19																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											

* For Information Only

⊖ Included in Roadway Quantities

⊕ Included in ABC & H&P QUANTITIES

(R-1) Revised Summary of Earthwork Quantities,
added note, 1-2-79 PDL

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	RS 0392(5)	6	
AS CONSTRUCTED				
NO REVISIONS ☐ REVISED ☒ 6-15-79 VOID ☐				

SCHEDULE OF CONSTRUCTION TRAFFIC SIGNS Fm 305

SIGN CODE OR LEGEND	DIMENSION	PANEL SIZE		PLANNED QUANTITY REQUIRED	FINAL QUANTITY
		A	B		
XW20-1	48"x48"		X	9	9
SR11-2	48"x30"		X	2	2
TYPE 2 BARRICADE		X		8	0
XW20-7	48"x48"		X	4	2
SG20-2	60"x24"		X	3	3

ITEM NO.	ITEM	UNIT	PLANNED PROJECT TOTAL	FINAL TOTAL
614	Vertical Panel	Each	10	6
614	Barricade (Type 3M-C) (Temporary)	Each	2	2

SUMMARY OF EARTHWORK QUANTITIES

INDEX				
BOOK	PAGE	SHEET		
	Fm	305		
			UNCLASSIFIED EXCAVATION	PLAN
			Roadway (From Computer)	Cu. Yd.
			Structure Quantities as Ditch	
			Estimated for Cut Slope Treatment	
			Topsoil Excavation	
			TOTAL	
			BORROW	Cu. Yd.
			* Roadway Embankment	
			To Replace Topsoil Excavation	
			Structure Quantities as Embankment	
			TOTAL	
			COMPACTION (AASHTO T 180)	Cu. Yd.
			Embankment (Net)	
			Base of Cuts and Fills	
			Structure Quantities as Embankment (Net)	
			To Replace Topsoil (Net)	
			Wasted (Cinders)	
			TOTAL	
			HAUL	Yd. Mi.
			From Mass Diagram	
			Estimated for Replacing Topsoil	
			TOTAL	
			ROADWAY QUANTITIES BALANCE	Cu. Yd.
			(For Information Only)	
			EXCAVATION	
			Unclassified	
			Borrow	
			TOTAL	
			EMBANKMENT NET	
			Roadway (From Computer)	
			TOTAL	
			EMBANKMENT X FACTOR (1.40) (1.4344025)	
			Roadway (From Computer)	
			TOTAL	

(R-1) * 8500 Cu. Yds. of Borrow will be available free of royalty to the Contractor
Lt. of Sta. 691+ to 699+ within R.O.W.

(R-1) Revised Fencing Requirements,
1-2-79 PDL

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	RS 0392(5)	7	
AS CONSTRUCTED				
NO REVISIONS ☐ REVISED ☒ 6-15-79 VOID ☐				

BASE COURSE AND SURFACE COURSE PLAN Fm 305

STATION TO STATION	SOURCE	QUANTITY - TONS					FINAL TOP LAYER
		PLANNED AGGREGATE BASE COURSE (CLASS 6)	FINAL ABC-CL 6	HOT BITUMINOUS PAVEMENT (GR. EX) BOTTOM LAYER	FINAL BOTTOM LAYER	TOP LAYER	
878+00 to 925+00 925+00 to 930+00		3384 387		1,504		1,081	
APPROACH TO PROJECT 930+00 to 940+20.93 BK.		735		—		—	
940+13.52 AL. to 941+27.52	UNDESIGNATED	82		—		—	
FROM STRUCTURE QUANTITIES		175		—		116	
EST. FOR IRREGULARITIES		475		—		—	
TOTALS		5,238	5,531	1,504	1594	1,197	1108

STABILIZATION BASED ON THE FOLLOWING DATA:

SERVICEABILITY INDEX	2.0	STRENGTH COEFFICIENTS:	
18" EDLA	54	HBP (GR. EX)	0.44
REGIONAL FACTOR	1.0	ABC (CL 6)	0.12

DELINEATORS Fm 305

STATION TO STATION	SIDE	SPACING	°	PLANNED DELINEATORS TYPE 1 (CRYSTAL) EACH	FINAL TOTALS
878+00 to 930+00	LT. & RT.	TANGENT		17	16
880+	LT. & RT.	MINOR INT.		12	12
919+	LT. & RT.	MINOR INT.		4	4
926+	LT. & RT.	MINOR INT.		4	4
930+00 to 940+13.52	LT. & RT.	20° CURVE		20	18
TOTAL				57	54

FENCING REQUIREMENTS Fm 305

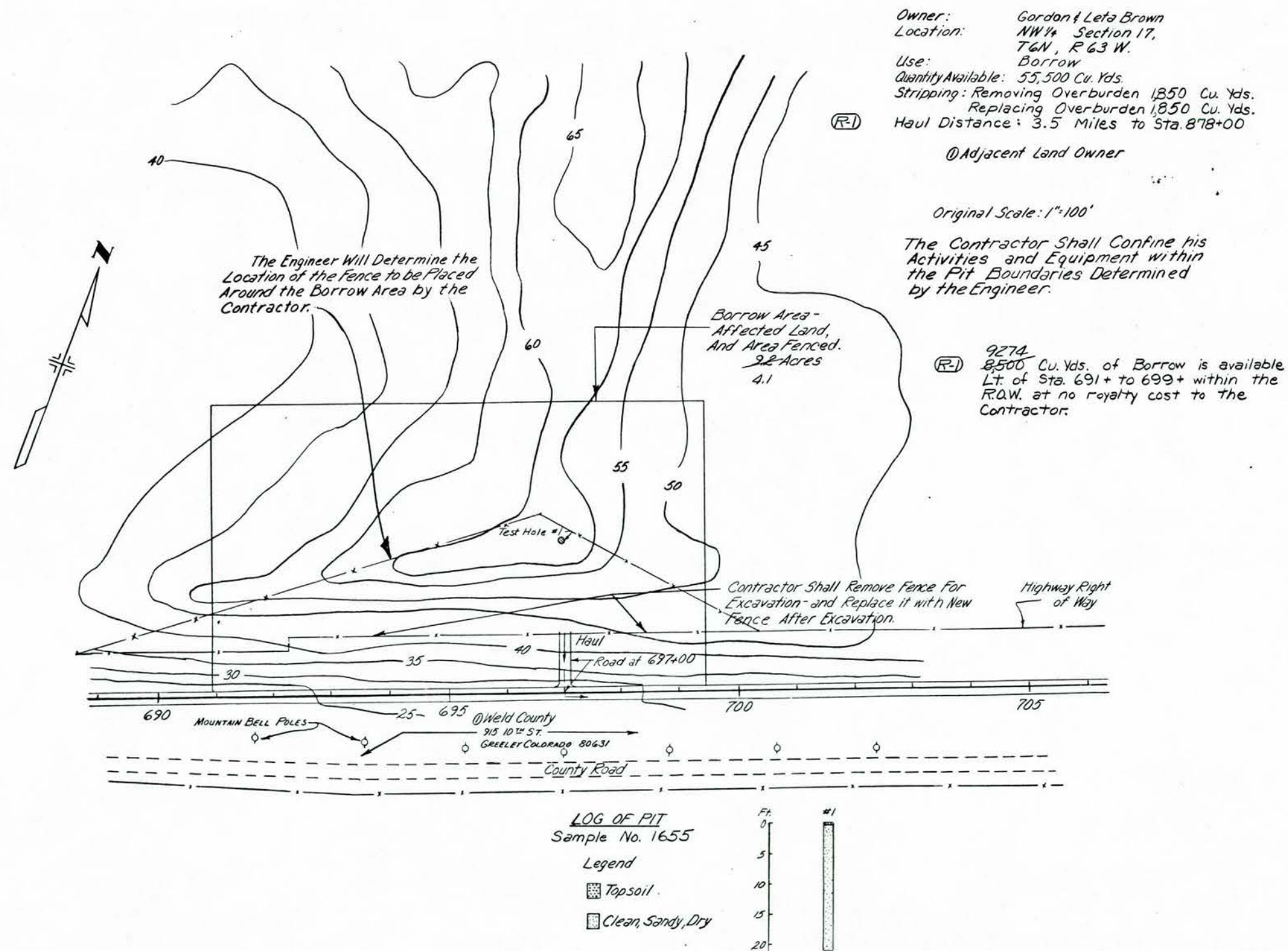
STATION TO STATION	SIDE	REMOVAL OF FENCE (PLANNED)	FINAL REMOVAL OF FENCE	FENCE BARBED WIRE W/METAL POST	FINAL 6" W/ METAL POST	FINAL 24 FT. Gate	24 FOOT GATE TWIN DRIVEWAY	BARBED WIRE GATES (20')	FINAL BARBED WIRE GATES (20')
		LIN. FT.		LIN. FT.		Each	EACH	EACH	Each
881+57 to 882+51	LT.	*105	105						
878+00 to 879+00	LT.	100	0						
895+10 to 897+52	LT.	242	242						
921+72 to 930+00	LT.	828	1248						
BORROW PIT (691+00 to 699+50)	LT.	850	1198						
878+00 to 879+00	LT.			100	0				
879+50 to 930+00	LT.			5,050	5,313				
880+25 to 934+50									
878+00 to 881+50	RT.			350	0				
881+50 to 930+00	RT.			4,850	4,736				
882+00 to 930+00	LT.			2,000	2,445				
BORROW PIT (691+00 to 699+50)	LT.								
919+83 92	LT.							/	1
926+76 50	LT.					1	(R) /	/	0
917+63	RT.							/	1
919+83 92	RT.							/	1
926+65 50	RT.							/	1
TOTALS		2,125	2,793	12,350	12,554	1	1	54	3

It is estimated that 12 Corner and Line Brace Posts and 19 End Posts were required.
*Snow Fence.

(R-1) Revised Haul Distance,
Added Note, 1-2-79 PDL

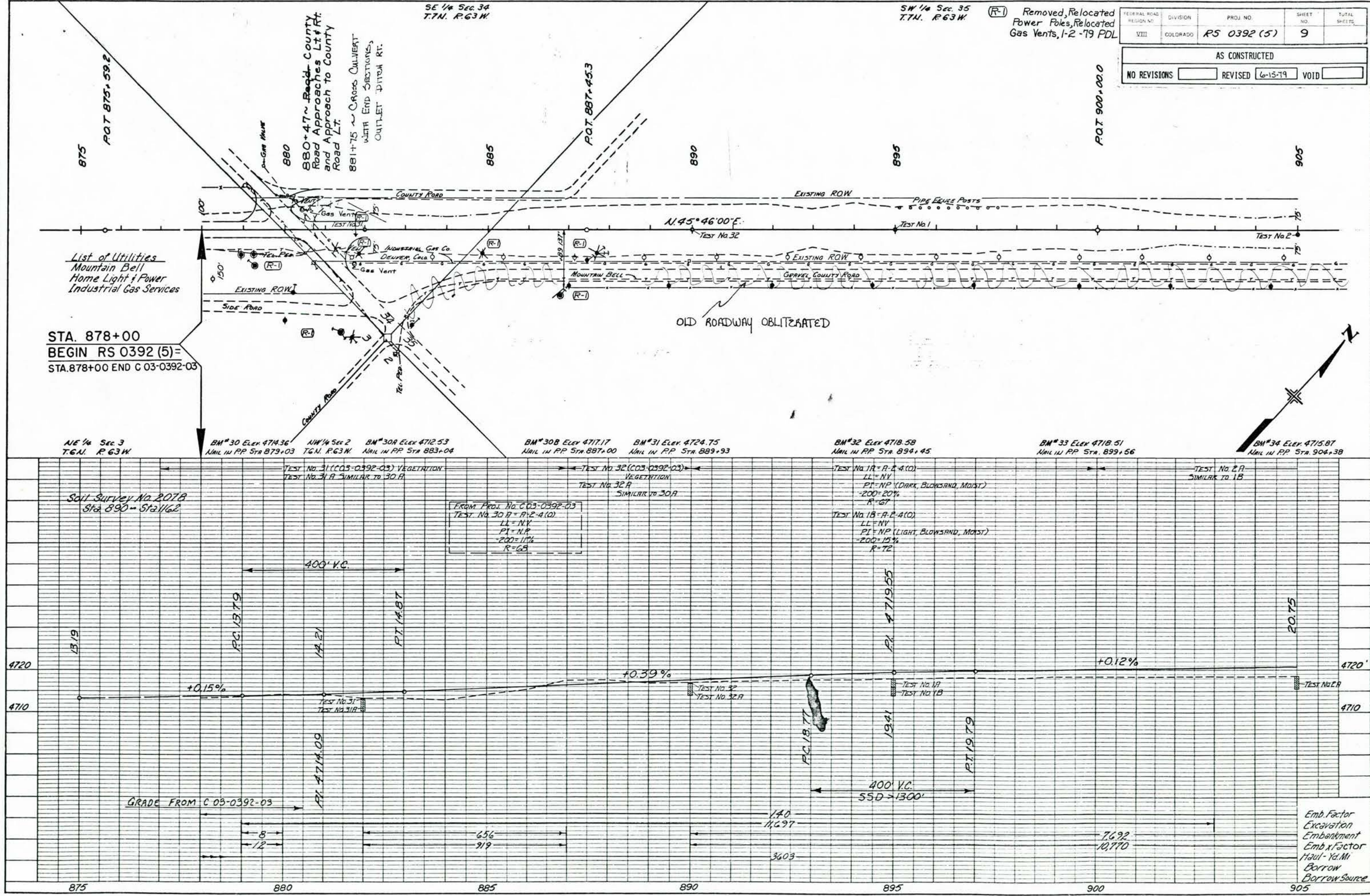
FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	RS 0392(5)	8	
AS CONSTRUCTED				
NO REVISIONS ☐ REVISED ☒ 6-15-79 VOID ☐				

PIT SKETCH
BROWN PIT



PLAN	DATE
NO. 1	
NO. 2	
NO. 3	
NO. 4	
NO. 5	
NO. 6	
NO. 7	
NO. 8	
NO. 9	
NO. 10	
NO. 11	
NO. 12	
NO. 13	
NO. 14	
NO. 15	
NO. 16	
NO. 17	
NO. 18	
NO. 19	
NO. 20	
NO. 21	
NO. 22	
NO. 23	
NO. 24	
NO. 25	
NO. 26	
NO. 27	
NO. 28	
NO. 29	
NO. 30	
NO. 31	
NO. 32	
NO. 33	
NO. 34	
NO. 35	
NO. 36	
NO. 37	
NO. 38	
NO. 39	
NO. 40	
NO. 41	
NO. 42	
NO. 43	
NO. 44	
NO. 45	
NO. 46	
NO. 47	
NO. 48	
NO. 49	
NO. 50	
NO. 51	
NO. 52	
NO. 53	
NO. 54	
NO. 55	
NO. 56	
NO. 57	
NO. 58	
NO. 59	
NO. 60	
NO. 61	
NO. 62	
NO. 63	
NO. 64	
NO. 65	
NO. 66	
NO. 67	
NO. 68	
NO. 69	
NO. 70	
NO. 71	
NO. 72	
NO. 73	
NO. 74	
NO. 75	
NO. 76	
NO. 77	
NO. 78	
NO. 79	
NO. 80	
NO. 81	
NO. 82	
NO. 83	
NO. 84	
NO. 85	
NO. 86	
NO. 87	
NO. 88	
NO. 89	
NO. 90	
NO. 91	
NO. 92	
NO. 93	
NO. 94	
NO. 95	
NO. 96	
NO. 97	
NO. 98	
NO. 99	
NO. 100	

PROFILE	DATE
NO. 1	
NO. 2	
NO. 3	
NO. 4	
NO. 5	
NO. 6	
NO. 7	
NO. 8	
NO. 9	
NO. 10	
NO. 11	
NO. 12	
NO. 13	
NO. 14	
NO. 15	
NO. 16	
NO. 17	
NO. 18	
NO. 19	
NO. 20	
NO. 21	
NO. 22	
NO. 23	
NO. 24	
NO. 25	
NO. 26	
NO. 27	
NO. 28	
NO. 29	
NO. 30	
NO. 31	
NO. 32	
NO. 33	
NO. 34	
NO. 35	
NO. 36	
NO. 37	
NO. 38	
NO. 39	
NO. 40	
NO. 41	
NO. 42	
NO. 43	
NO. 44	
NO. 45	
NO. 46	
NO. 47	
NO. 48	
NO. 49	
NO. 50	
NO. 51	
NO. 52	
NO. 53	
NO. 54	
NO. 55	
NO. 56	
NO. 57	
NO. 58	
NO. 59	
NO. 60	
NO. 61	
NO. 62	
NO. 63	
NO. 64	
NO. 65	
NO. 66	
NO. 67	
NO. 68	
NO. 69	
NO. 70	
NO. 71	
NO. 72	
NO. 73	
NO. 74	
NO. 75	
NO. 76	
NO. 77	
NO. 78	
NO. 79	
NO. 80	
NO. 81	
NO. 82	
NO. 83	
NO. 84	
NO. 85	
NO. 86	
NO. 87	
NO. 88	
NO. 89	
NO. 90	
NO. 91	
NO. 92	
NO. 93	
NO. 94	
NO. 95	
NO. 96	
NO. 97	
NO. 98	
NO. 99	
NO. 100	



FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	RS 0392 (5)	9	

AS CONSTRUCTED	
NO REVISIONS	REVISED 6-15-79 VOID

Emb. Factor
Excavation
Embankment
Emb. Factor
Haul - Yd. Mi.
Borrow
Borrow Source

SW 1/4 Sec. 35
T.7N. R.63W

NW 1/4 Sec. 35
T.7N. R.63W

(R-1) Revised Earthwork
Breakout, 1-2-79 PDL

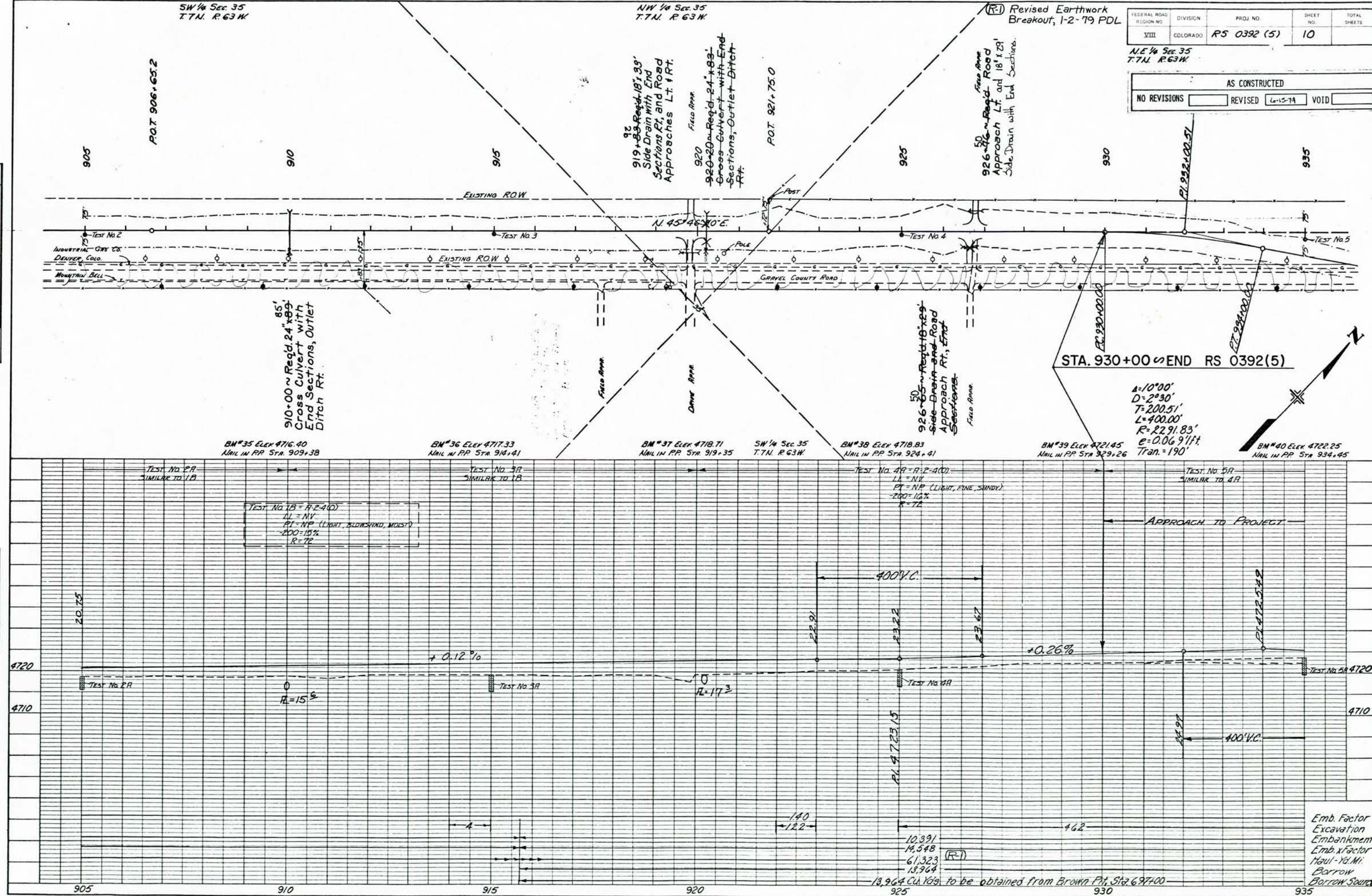
FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	RS 0392 (5)	10	

NE 1/4 Sec. 35
T.7N. R.63W

AS CONSTRUCTED			
NO REVISIONS	REVISED	6-15-79	VOID

PLAN
NOTE BOOK
NO. 1

PROFILE
NOTE BOOK
NO. 1



PLAN	DATE	
	BY	
	NOTED	
	REVISION	

PROFILE	DATE	
	BY	
	NOTED	
	REVISION	

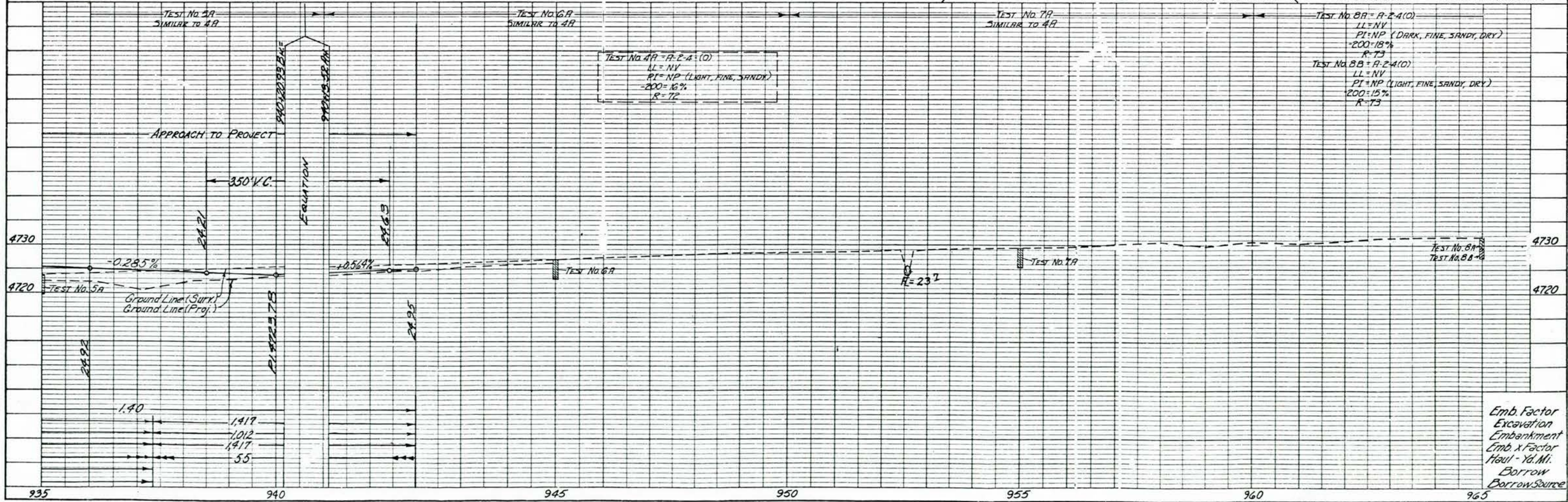
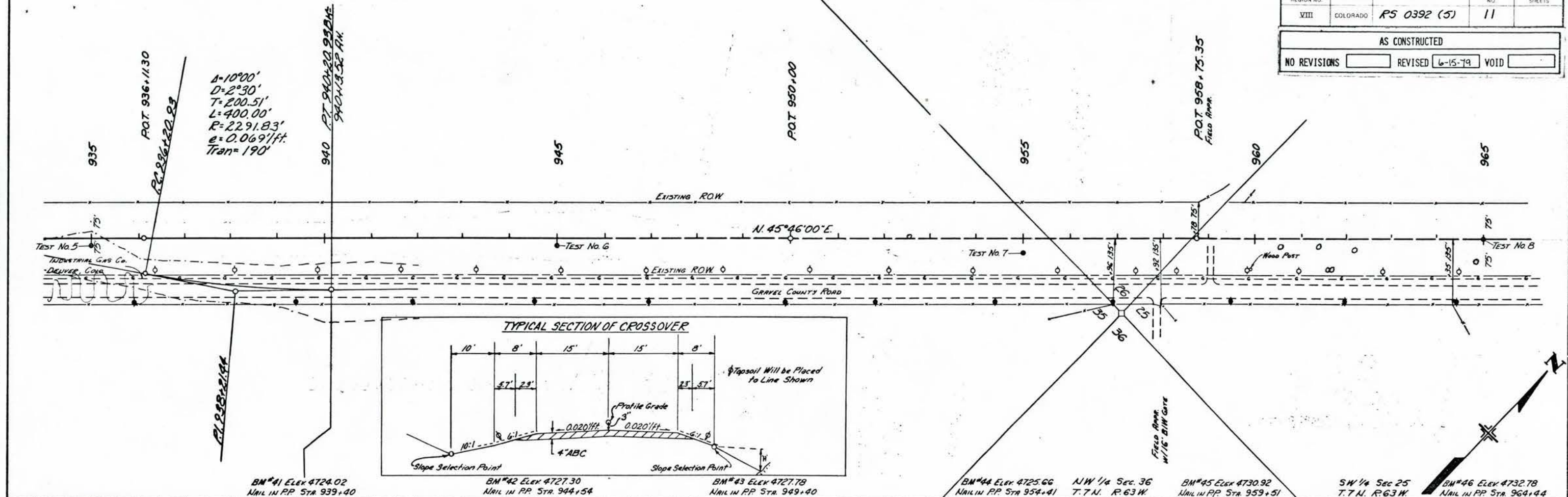
NE 1/4 Sec. 35
T.7N. R.63W

SE 1/4 Sec. 26
T.7N. R.63W

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	PS 0392 (5)	11	

AS CONSTRUCTED

NO REVISIONS	REVISED	VOID
	6-15-79	



Emb. Factor
Excavation
Emb. x Factor
Haul - Yd. Mi.
Borrow
Borrow Source

STATE DEPARTMENT OF HIGHWAYS

DIVISION OF HIGHWAYS—STATE OF COLORADO

PLAN AND PROFILE OF PROPOSED FEDERAL AID PROJECT NO. RS 0392 (5) STATE HIGHWAY NO. 392 WELD COUNTY

TABULATION OF LENGTH AND DESIGN DATA

STATION	ROADWAY LIN. FT.	
878+00.0 BEGIN RS 0392(5) * 878+00.0 END C 03-0392-03	5200.00	
930+00 END RS 0392(5)		
TOTALS	5200.00	

SUMMARY	LIN. FT.	MILES
ROADWAY	5200.00	0.985
TOTAL ROADWAY (NET & GROSS LENGTH)	5200.00	0.985

DESIGN DATA

* MAXIMUM DEGREE OF CURVE	2° 30'	
MAXIMUM GRADE	+ 0.39%	
* MINIMUM SSD HORIZONTAL	> 900'	
MINIMUM SSD VERTICAL	> 1300'	
MAXIMUM DESIGN SPEED	60 M.P.H.	
1998 DESIGN TRAFFIC VOLUME	ADT = 1350 DHV = 160	

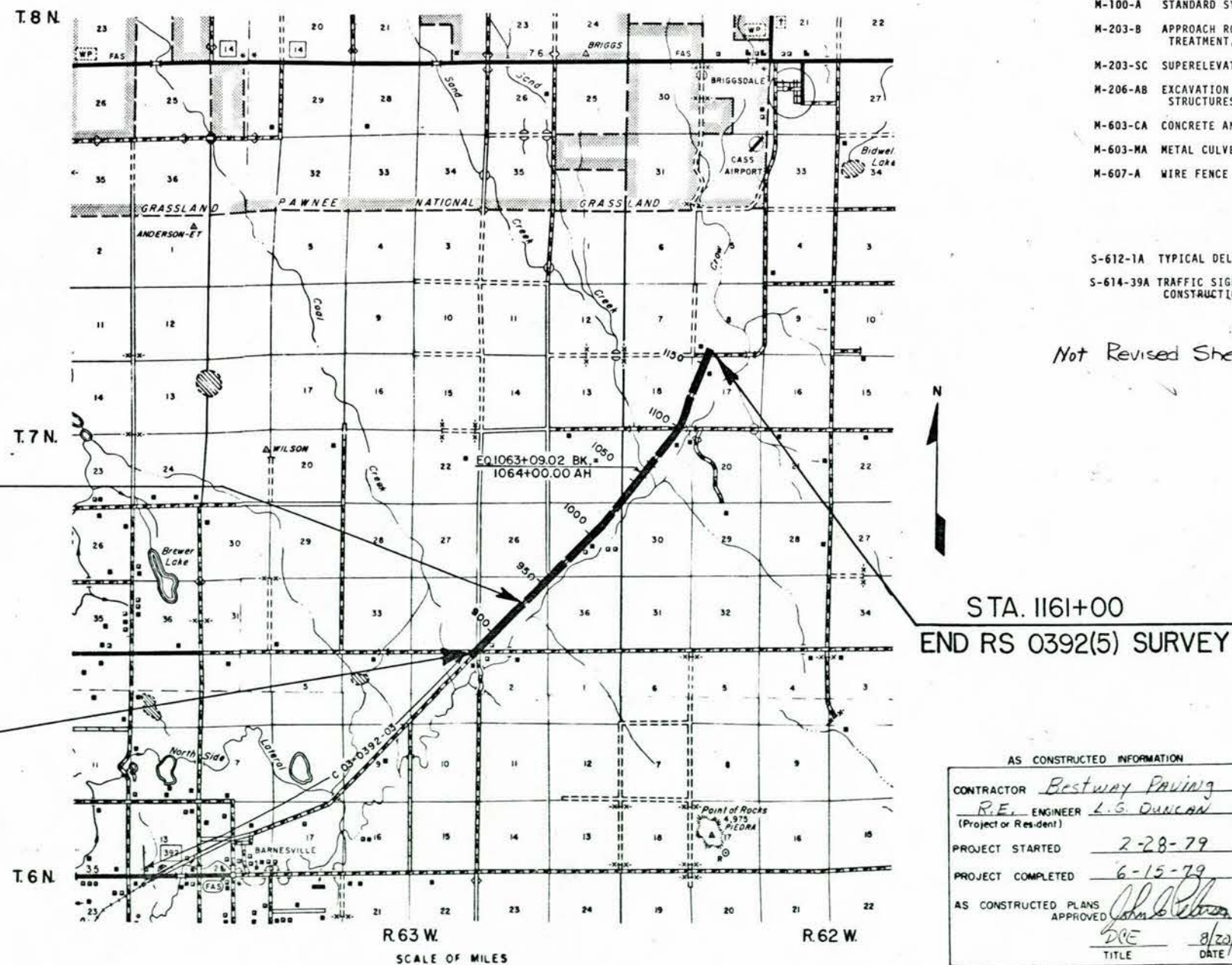
*APPROACH TO PROJECT

SCALES OF ORIGINAL DRAWINGS

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

STA. 930+00 END RS 0392(5)

STA. 878+00 BEGIN RS 0392(5)=
STA. 878+00 END C03-0392-03



FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NO.
VII	COLORADO	RS 0392 (5)	1

AS CONSTRUCTED

NO REVISIONS ☐ REVISED ☒ 6-15-79 VOID ☐

INDEX OF SHEETS

SHEET NO.	
1	TITLE PAGE, SKETCH MAP, INDEX OF SHEETS AND TABULATION OF LENGTH AND DESIGN DATA
2	TYPICAL SECTION AND GENERAL NOTES
3 - 4	SUMMARY OF APPROXIMATE ^{FINAL} QUANTITIES
5	STRUCTURE QUANTITIES
6	SUMMARY OF EARTHWORK QUANTITIES AND SCHEDULE OF CONSTRUCTION TRAFFIC SIGNS
7	BASE COURSE AND SURFACE COURSE PLAN, FENCING REQUIREMENTS AND DELINEATORS
8	PIT SKETCH
9 - 11	PLAN AND PROFILE SHEETS
12 - 14	PIT CROSS SECTIONS

"M" STANDARDS

M-100-A	STANDARD SYMBOLS	5-11-73
M-203-B	APPROACH ROADS, FLARING, CUT SLOPE TREATMENT, BRIDGE AND CREST WIDENING	12-11-72
M-203-SC	SUPERELEVATION OF CURVES-CROWNED HIGHWAYS	1-6-77
M-206-AB	EXCAVATION AND BACKFILL FOR STRUCTURES (3 SHEETS)	5-8-78
M-603-CA	CONCRETE AND METAL END SECTIONS	8-29-77
M-603-MA	METAL CULVERT PIPE - H-20 LOADING	11-3-78
M-607-A	WIRE FENCE AND GATES (2 SHEETS)	10-15-75

"S" STANDARDS

S-612-1A	TYPICAL DELINEATOR INSTALLATIONS (4 SHEETS)	10-28-77
S-614-39A	TRAFFIC SIGNING FOR HIGHWAY CONSTRUCTION (4 SHEETS)	5-8-78

Not Revised Sheet No. 2 - 11

STA. 1161+00
END RS 0392(5) SURVEY

DIVISION OF HIGHWAYS

APPROVED

W. F. Reschke 12/20/78
for CHIEF ENGINEER DATE

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED

DATE

DIVISION ADMINISTRATOR

AS CONSTRUCTED INFORMATION

CONTRACTOR *Bestway Paving*
ENGINEER *R.E. L.G. DUNCAN*
(Project or Resident)
PROJECT STARTED *2-28-79*
PROJECT COMPLETED *6-15-79*
AS CONSTRUCTED PLANS APPROVED *[Signature]*
TITLE *DCE* DATE *8/20/79*

GUARD POSTS, DELINEATORS AND SIGNS WILL BE REMOVED BY STATE FORCES

(R-1) Revised Quantity, 1-2-79 PDL

FINAL
SUMMARY OF APPROXIMATE QUANTITIES

AS CONSTRUCTED
NO REVISIONS ☐ REVISED ☒ 6-15-79 VOID ☐

FEDERAL ROAD REGION NO. VIII DIVISION COLORADO PROJ. NO. RS 0392(5) SHEET NO. 3 TOTAL SHEETS

INDEX			CONTRACT ITEM NO.	CONTRACT ITEM	UNIT														PLANNED PROJECT TOTALS	FINAL PROJECT TOTALS	OVER/UNDER RUN	% OVER/UNDER RUN
BOOK	PAGE	SHEET																				
		See 305 Shls.																				
			202	Removal of Fence	Lin. Ft.														2,125	2,793	+668	+31
			203	Unclassified Excavation	Cu. Yd.														19,774	23,842	+4,068	+21
			203	Borrow	Cu. Yd.														22,301	23,253	+952	+4
			203	Stripping	Cu. Yd.														3,700	4,863	+1,163	+31
			203	Compaction (AASHTO T 180)	Cu. Yd.														32,232	34,742	+2,510	+8
(R-1)			204	Haul	Yd. Mi.														96,129	100,743	+4,614	+5
			206	Structure Excavation	Cu. Yd.														51	72	+21	+41
			206	Structure Backfill (Class 2)	Cu. Yd.														59	58	-1	-2
			207	Topsoil (Haul)	Cu. Yd.														5,562	4,433	-1,129	-20
			207	Topsoil (Haul)	Ton														81	80	-1	-1
			209	Wetting	MGal.														885	1,100	+215	+24
			210	Reset Mailbox Structure	Each														1	1	0	0
			212	Seeding (Native)	Lb.														570	153	-417	-73
			212	Fertilizer	Lb.														3,150	3,900	+750	+24
			212	Soil Preparation (Native)	Acre														15	17.1	+2.1	+14
			212	Seeding (Native)	Lb.														0	494	+494	-
			213	Mulching	Ton														23	25.65	+2.65	+12
			304	Aggregate Base Course (Class 6) (Haul)	Ton														5,238	5,531	+293	+6
			403	Hot Bituminous Pavement (Grading Ex) (Haul and Asphalt)	Ton														2,701	2,702	+1	0
			411	Emulsified Asphalt (CSS-1)	Gal.														822	349	-473	-58
			411	Liquid Asphaltic Material (MC-70)	Gal.														6,778	4,258	-2,540	-37
			607	End Post	Each														19	14	-5	-26
			607	Corner and Line Brace Post	Each														12	12	0	0
			607	Fence Barbed Wire with Metal Post	Lin. Ft.														12,350	12,554	+204	+2
			607	24 Foot Gate Twin Driveway	Each														1	1	0	0

★ Line Item Authorized by CMU #0876

AS CONSTRUCTED				FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
NO REVISIONS		REVISED	6-15-79	VOID				
				VIII	COLORADO	RS 0392(15)	4	

INDEX			CONTRACT ITEM NO.	CONTRACT ITEM	UNIT												PLANNED PROJECT TOTALS	FINAL PROJECT TOTALS	OVER/ UNDER RUN	% OVER/ UNDER RUN
BOOK	PAGE	SHEET																		
		See 305 Shs.	612	Delineator (Type I)	Each												57	54	-3	-5
			614	Flagging	Hour												500	205	-295	-59
			614	Barricade (Type 3M-C) (Temporary)	Each												2	2	0	0
			614	Construction Traffic Sign (Panel Size A)	Each												8	0	-8	-100
			614	Construction Traffic Sign (Panel Size B)	Each												18	16	-2	-11
			614	Vertical Panel	Each												10	6	-4	-40
			617	18 Inch Culvert Pipe	Lin Ft.												62	62	0	0
			617	24 Inch Culvert Pipe	Lin Ft.												172	162	-10	-6
			620	Field Laboratory	Each												1	1	0	0
			620	Sanitary Facility	Each												1	1	0	0
			626	Mobilization	L.S.												1	1	0	0
			FIA01	<u>FORCE ACCOUNT</u> Minor Contract Revisions	FA												1	\$ 0.00		
			FIA02	Obliterating Old Road	FA												1	\$682.60		
			FIA03	Remove Concrete Stockpile	FA												1	\$1,551.64		
			FIA04	<u>STATE FORCES</u> Final Signing and Striping	FA												1	1		

STRUCTURE QUANTITIES

Ref. Em 305

AS CONSTRUCTED		
NO REVISIONS	REVISED 6-15-79	VOID

FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NO.
VIII	COLORADO	RS 0392(5)	5

INDEX			LOCATION	UNCLASSIFIED EXCAVATION			STRUCTURE EXCAVATION		STRUCTURE BACKFILL		AGGREGATE BASE COURSE SURFACING (CLASS 6)	HOT BITUMINOUS PAVEMENT (GRADING EX)	CULVERT PIPE LINEAR FEET								"H" OVER CULV. FT.	* END SECTION EACH				MISCELLANEOUS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
BOOK	PAGE	SHEET		CUBIC YARD			CUBIC YARD		CUBIC YARD				CUBIC YARD									CUBIC YARD																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
				EXCAV.	EMB.	DITCH	PLAN	FINAL	PLAN	FINAL			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL		PLAN	FINAL	PLAN	FINAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
			880+47 881+75 910+00		60	5	29	29	29	29		122	92																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							

* For Information Only

⊖ Included in Roadway Quantities

⊕ Included in ABC & HBP QUANTITIES

(R-1) Revised Summary of Earthwork Quantities,
added note, 1-2-79 PDL

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	RS 0392(5)	6	
AS CONSTRUCTED				
NO REVISIONS ☐ REVISED ☒ 6-15-79 VOID ☐				

SCHEDULE OF CONSTRUCTION TRAFFIC SIGNS Fm 305

SIGN CODE OR LEGEND	DIMENSION	PANEL SIZE		PLANNED QUANTITY REQUIRED	FINAL QUANTITY
		A	B		
XW20-1	48"x48"		X	9	9
SR11-2	48"x30"		X	2	2
TYPE 2 BARRICADE		X		8	0
XW20-7	48"x48"		X	4	2
SG20-2	60"x24"		X	3	3

ITEM NO.	ITEM	UNIT	PLANNED PROJECT TOTAL	FINAL TOTAL
614	Vertical Panel	Each	10	6
614	Barricade (Type 3M-C) (Temporary)	Each	2	2

SUMMARY OF EARTHWORK QUANTITIES

INDEX			SUMMARY OF EARTHWORK QUANTITIES		PLAN	FINAL
BOOK	PAGE	SHEET			Cu. Yd.	Cu. Yd.
	Fm	305				

(R-1) * 8500 Cu. Yds. of Borrow will be available free of royalty to the Contractor
Lt. of Sta. 691+ to 699+ within R.O.W.

(R-1) Revised Fencing Requirements,
1-2-79 PDL

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	RS 0392(5)	7	
AS CONSTRUCTED				
NO REVISIONS ☐ REVISED ☒ 6-15-79 VOID ☐				

BASE COURSE AND SURFACE COURSE PLAN Fm 305

STATION TO STATION	SOURCE	QUANTITY - TONS					FINAL TOP LAYER
		PLANNED AGGREGATE BASE COURSE (CLASS 6)	FINAL ABC-CL 6	HOT BITUMINOUS PAVEMENT (GR. EX) BOTTOM LAYER	FINAL BOTTOM LAYER	TOP LAYER	
878+00 to 925+00 925+00 to 930+00		3384 387		1,504		1,081	
APPROACH TO PROJECT 930+00 to 940+20.93 BK.		735		—		—	
940+13.52 AH to 941+27.52	UNDESIGNATED	82		—		—	
FROM STRUCTURE QUANTITIES		175		—		116	
EST. FOR IRREGULARITIES		475		—		—	
TOTALS		5,238	5,531	1,504	1594	1,197	1108

STABILIZATION BASED ON THE FOLLOWING DATA:

SERVICEABILITY INDEX	2.0	STRENGTH COEFFICIENTS:	
18" EDLA	54	HBP (GR. EX)	0.44
REGIONAL FACTOR	1.0	ABC (CL 6)	0.12

DELINEATORS Fm 305

STATION TO STATION	SIDE	SPACING	°	PLANNED DELINEATORS TYPE I (CRYSTAL) EACH	FINAL TOTALS
878+00 to 930+00	LT. & RT.	TANGENT		17	16
880+	LT. & RT.	MINOR INT.		12	12
919+	LT. & RT.	MINOR INT.		4	4
926+	LT. & RT.	MINOR INT.		4	4
930+00 to 940+13.52	LT. & RT.	20°30' CURVE		20	18
TOTAL				57	54

FENCING REQUIREMENTS Fm 305

STATION TO STATION	SIDE	REMOVAL OF FENCE (PLANNED)	FINAL REMOVAL OF FENCE	FENCE BARBED WIRE W/METAL POST	FINAL BW w/ METAL POST	FINAL 24 FT. Gate	24 FOOT GATE TWIN DRIVEWAY	BARBED WIRE GATES (20')	FINAL BARBED WIRE GATES (20')
		LIN. FT.		LIN. FT.		Each	EACH	EACH	Each
881+57 to 882+51	LT.	*105	105						
878+00 to 879+00	LT.	100	0						
895+10 to 897+52	LT.	242	242						
921+72 to 930+00	LT.	828	1248						
BORROW PIT (691+00 to 699+50)	LT.	850	1198						
878+00 to 879+00	LT.			100	0				
879+50 to 930+00	LT.			5,050	5,373				
880+25 to 934+50									
878+00 to 881+50	RT.			350	0				
881+50 to 930+00	RT.			4,850	4,736				
882+00									
BORROW PIT (691+00 to 699+50)	LT.			2,000	2,445				
919+83 92	LT.							/	1
926+76 50	LT.					1	(R) 1	/	1
917+63	RT.							/	0
919+83 92	RT.							/	1
926+65 50	RT.							/	1
TOTALS		2,125	2,793	12,350	12,554	1	1	54	3

It is estimated that 12 Corner and Line Brace Posts and 19 End Posts were
* Snow Fence.

(R-1) Revised Haul Distance,
Added Note, 1-2-79 PDL

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	RS 0392(5)	8	
AS CONSTRUCTED				
NO REVISIONS		REVIS	6-15-79	VOID

PIT SKETCH
BROWN PIT

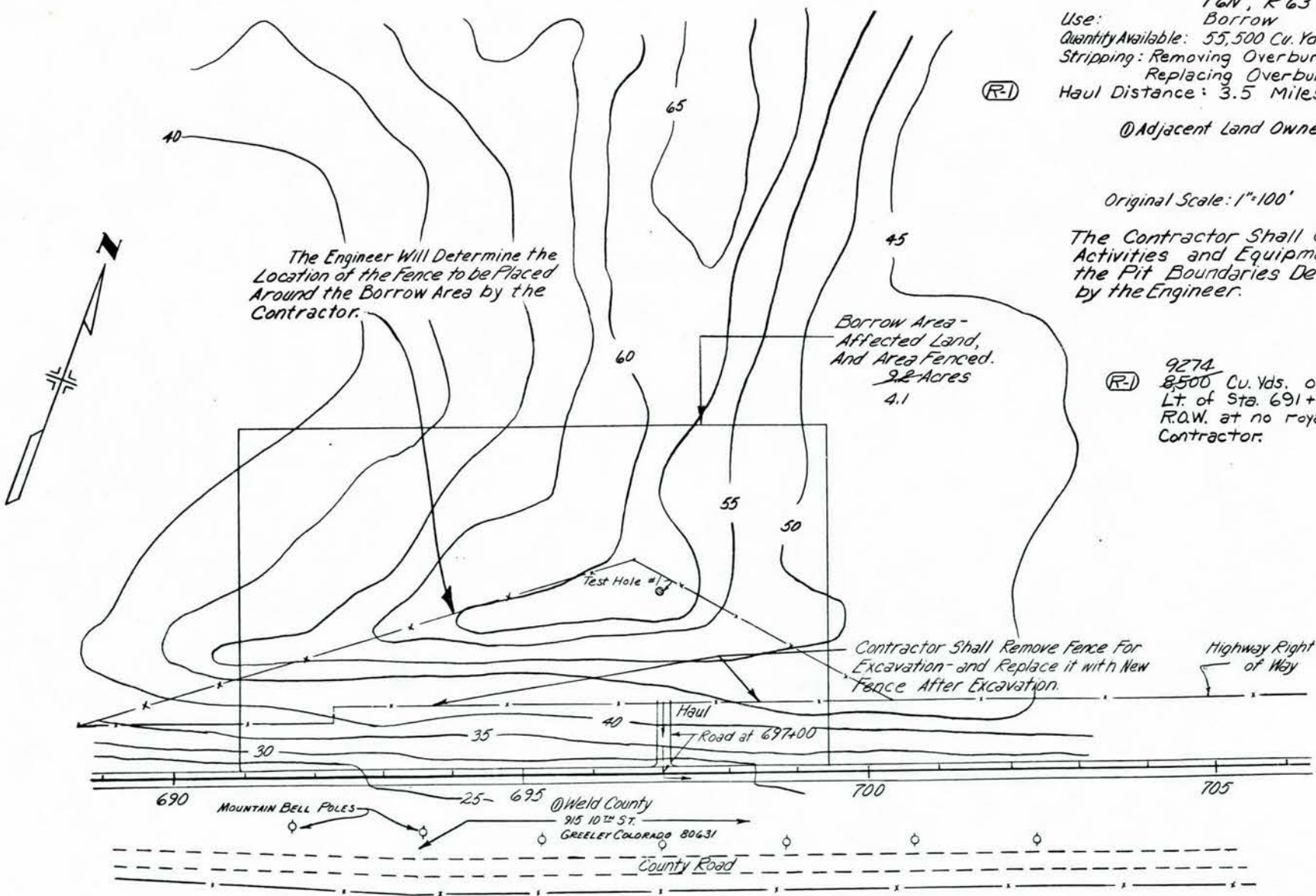
Owner: Gordon & Leta Brown
Location: NW 1/4 Section 17,
T6N, R63 W.
Use: Borrow
Quantity Available: 55,500 Cu. Yds.
Stripping: Removing Overburden 1,850 Cu. Yds.
Replacing Overburden 1,850 Cu. Yds.
Haul Distance: 3.5 Miles to Sta. 878+00

(R-1) Adjacent Land Owner

Original Scale: 1"=100'

The Contractor Shall Confine his
Activities and Equipment within
the Pit Boundaries Determined
by the Engineer.

(R-1) 9274
8,500 Cu. Yds. of Borrow is available
Lt. of Sta. 691+ to 699+ within the
R.O.W. at no royalty cost to the
Contractor.



The Engineer Will Determine the
Location of the Fence to be Placed
Around the Borrow Area by the
Contractor.

Borrow Area -
Affected Land,
And Area Fenced.
9.2 Acres
4.1

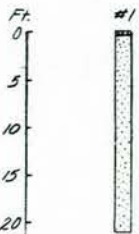
Contractor Shall Remove Fence For
Excavation and Replace it with New
Fence After Excavation.

Highway Right
of Way

LOG OF PIT
Sample No. 1655

Legend

- Topsoil
- Clean, Sandy, Dry



PLAN	DATE
NOTE BOOK	
BY	
CHECKED	
APPROVED	

PROFILE	DATE
NOTE BOOK	
BY	
CHECKED	
APPROVED	

SE 1/4 Sec. 34
T.7N. R.63W.

SW 1/4 Sec. 35
T.7N. R.63W.

(R-1) Removed, Relocated
Power Poles, Relocated
Gas Vents, 1-2-79 PDL

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	RS 0392 (5)	9	

AS CONSTRUCTED	
NO REVISIONS	REVISED 6-15-79 VOID

List of Utilities
Mountain Bell
Home Light & Power
Industrial Gas Services

STA. 878+00
BEGIN RS 0392 (5)=
STA. 878+00 END C 03-0392-03

NE 1/4 Sec. 3
T.6N. R.63W.

BM*30 Elev 4714.36
NAIL IN PP STA 879+03

NW 1/4 Sec. 2
T.6N. R.63W. BM*30A Elev 4712.53
NAIL IN PP STA 883+04

BM*30B Elev 4717.17
NAIL IN PP STA 887+00

BM*31 Elev 4724.75
NAIL IN PP STA 889+93

BM*32 Elev 4718.58
NAIL IN PP STA 894+45

BM*33 Elev 4718.51
NAIL IN PP STA 899+56

BM*34 Elev 4715.87
NAIL IN PP STA 904+38

Soil Survey No. 207B
Sta 890 - Sta 1162

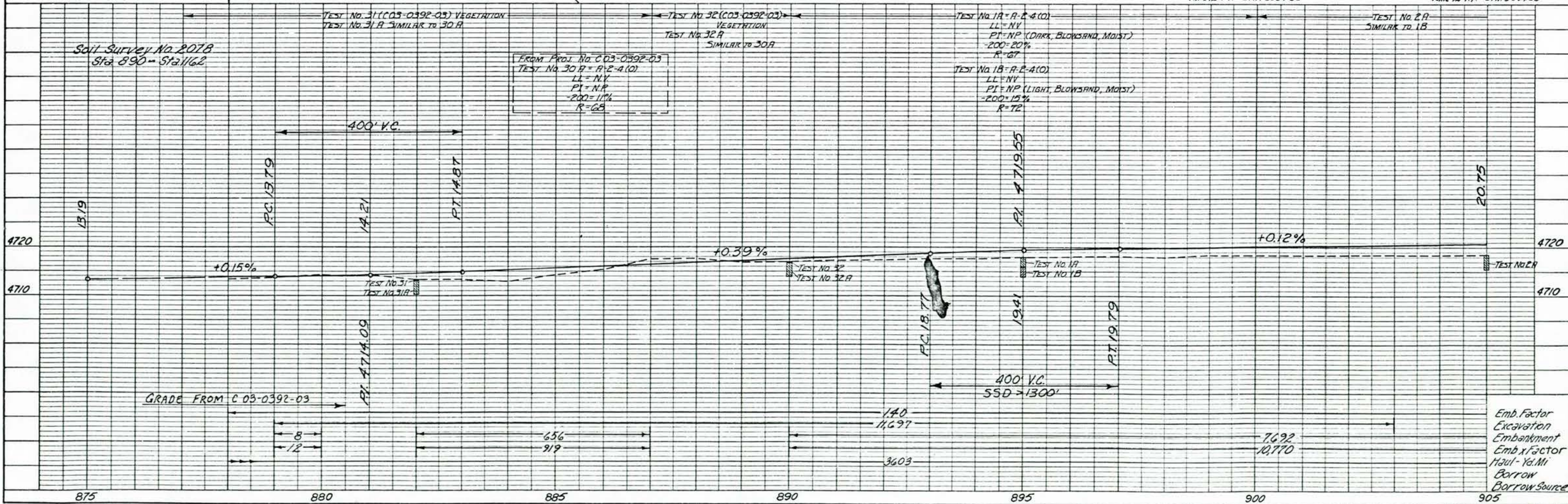
TEST No. 31 (C03-0392-03) VEGETATION
TEST No. 31A SIMILAR TO 30A

TEST No. 32 (C03-0392-03) VEGETATION
TEST No. 32A SIMILAR TO 30A

TEST No. 1A - A-2-4(0)
LL = NY
PI = NP (DARK, BLOWSAND, MOIST)
-200 = 20%
R = 67
TEST No. 1B - A-2-4(0)
LL = NY
PI = NP (LIGHT, BLOWSAND, MOIST)
-200 = 15%
R = 72

TEST No. 2A
SIMILAR TO 1B

FROM PROJ. No. C03-0392-03
TEST No. 30A - A-2-4(0)
LL = NY
PI = NP
-200 = 11%
R = 68



Emb. Factor
Excavation
Embankment
Emb. Factor
Haul - Yd. Mi.
Borrow
Borrow Source

SW 1/4 Sec. 35
T.7N. R.63W.

NW 1/4 Sec. 35
T.7N. R.63W.

(R-1) Revised Earthwork
Breakout, 1-2-79 PDL

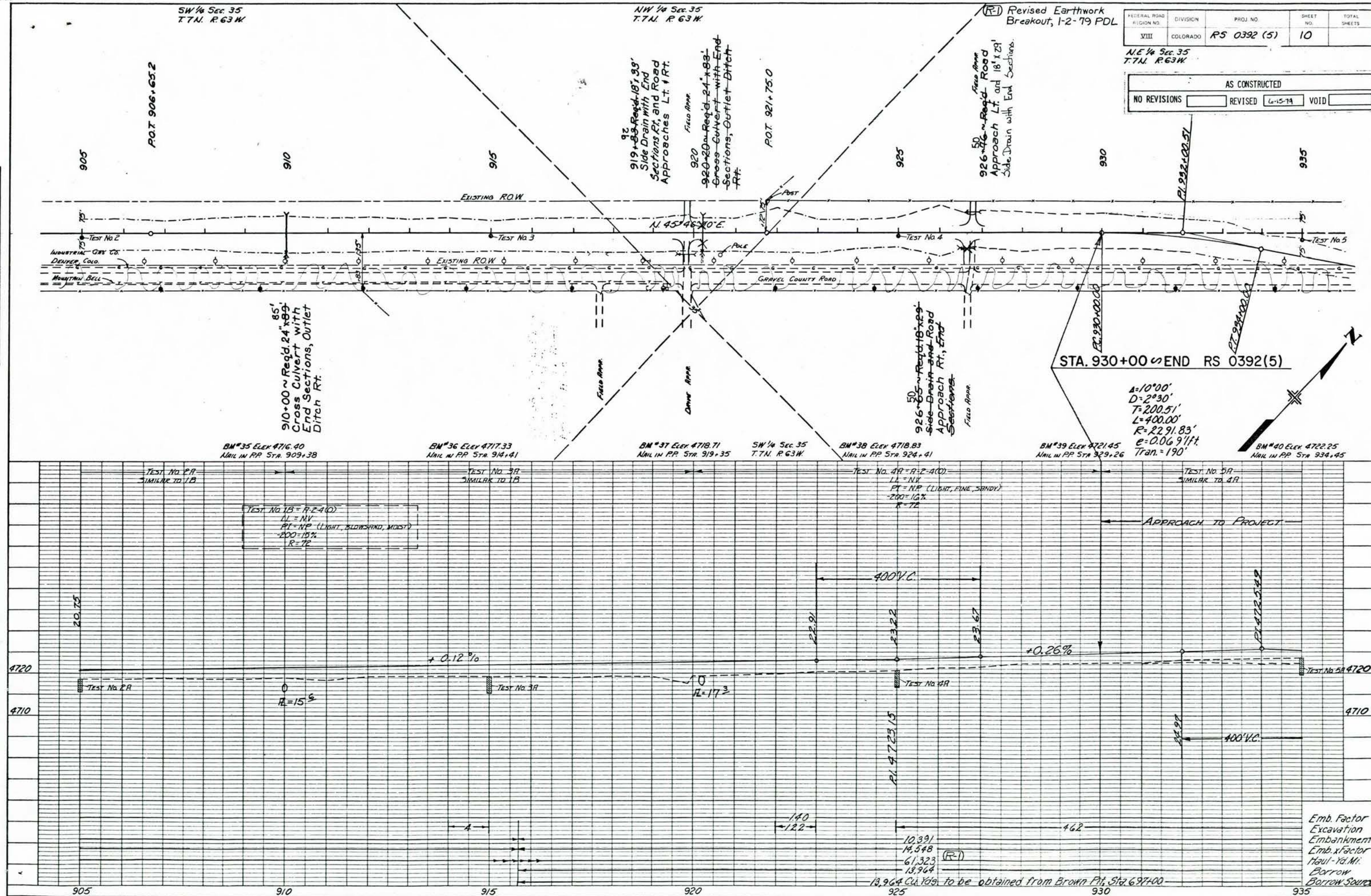
FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	RS 0392 (5)	10	

NE 1/4 Sec. 35
T.7N. R.63W.

AS CONSTRUCTED			
NO REVISIONS	REVISED	6-15-74	VOID

PLAN
NOTE BOOK
No.

PROFILE
NOTE BOOK
No.



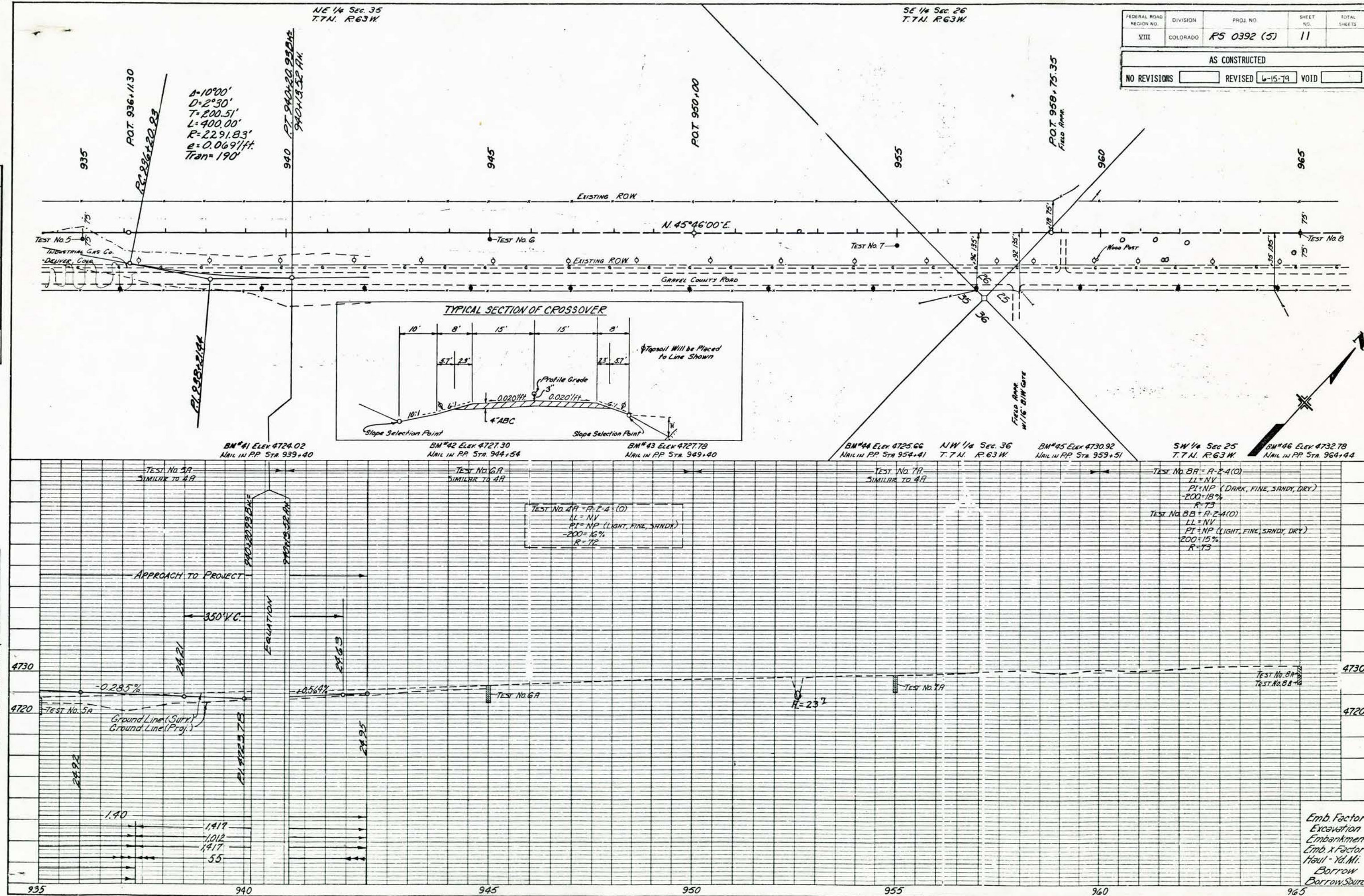
FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	RS 0392 (5)	11	

AS CONSTRUCTED

NO REVISIONS		REVISED	6-15-79	VOID	
--------------	----------------------	---------	---------	------	----------------------

PLAN	SURVIVED	BY	DATE
NOTE BOOK	PLOTTED		
	ALIGNMENT CHECKED		
	RT. OF WAY CHECKED		

PROFILE NOTE BOOK No. _____	SERVICED _____	BY _____	DATE _____
	NOTED _____		
	CASH CHECKED _____		
	S. M. S. NOTED _____		
	STRUCTURE NOTATIONS CHECKED _____		



Emb. Factor
Excavation
Embankment
Emb. x Factor
Haul - Yd. Mi.
Borrow
Borrow Source