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- 2 TYPICAL SECTIONS
- 3 SUMMARY OF QUANTITIES & MARKER POSTS
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- 5 BALLAST & SURFACING
- 6 DETAILS OF BRIDGE, STA. 61+
- 7 STANDARD LETTERS & FIGURES FOR YEAR NUMBERS & STRUCTURE NUMBERS
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- M-10-B ✓
- M-7-B ✓
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- M-27-A ✓
- M-1-B ✓
- M-2-DM ✓
- M-2-DS ✓
- M-107-C ✓

COLORADO
STATE HIGHWAY DEPARTMENT

PLAN AND PROFILE OF PROPOSED
FEDERAL AID SECONDARY PROJECT NO. COMB. S0092(I) & S0173(I)
STATE HIGHWAY NOS 202 & 167

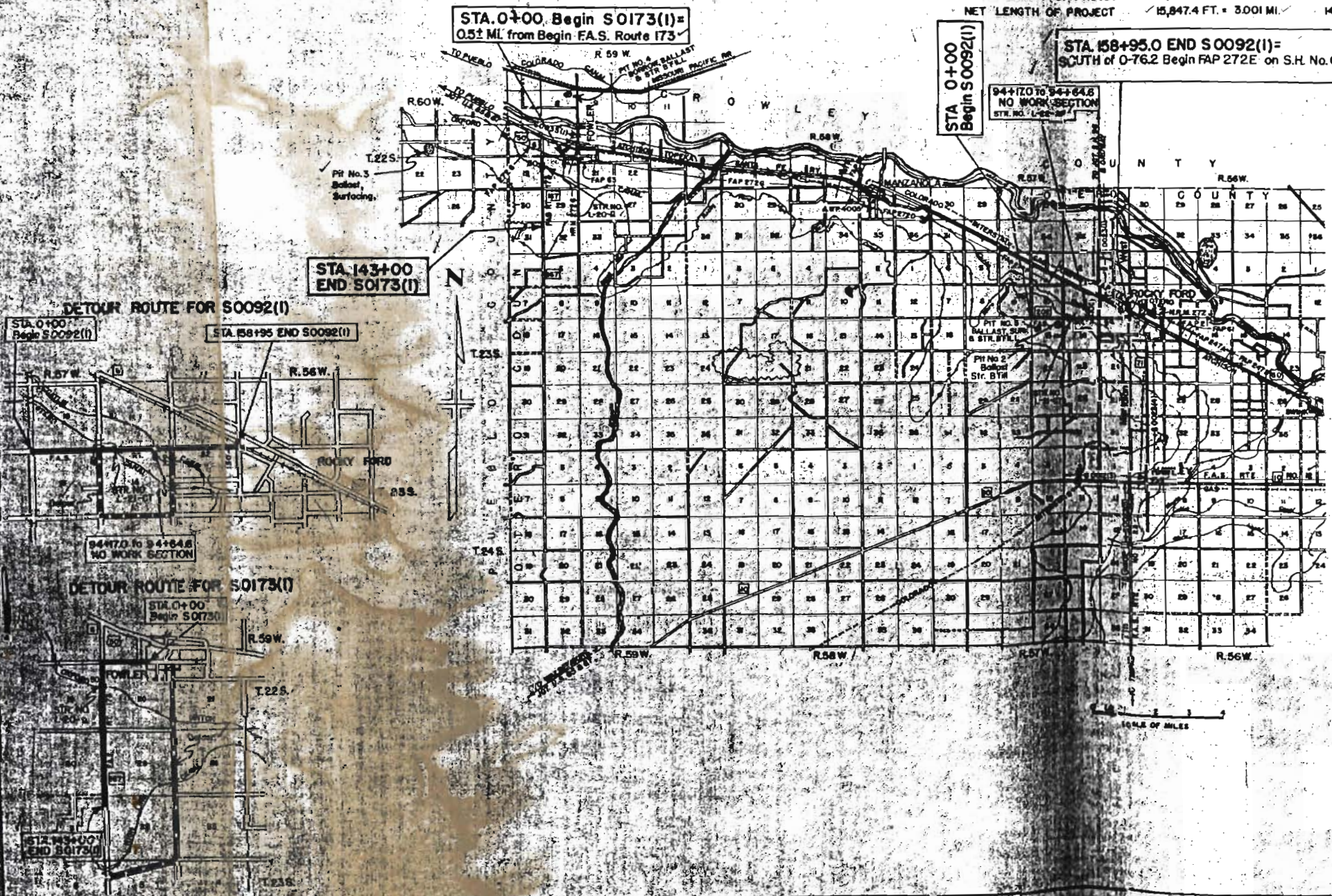
OTERO COUNTY

SCALES OF ORIGINAL TRACINGS

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

GRADE LINE ON PROFILE IS SHOWN AS GRADE OF FINISHED ROAD

GROSS LENGTH OF PROJECT S0092(I) 15,895.0 FT. = 3.010 MI. S0173(I) 14,297.7 FT. = 2.708 MI.
NET LENGTH OF PROJECT S0092(I) 15,847.4 FT. = 3.001 MI. S0173(I) 14,297.7 FT. = 2.708 MI.



TABULATION OF LENGTH AND DESIGN

STATION	ROADWAY LIN. FT.	BRIDGES		NO WORK SECTION LIN. FT.
		LIN. FT.	LOADING	
0+00 BEGIN S0092(I)				
61+71.3 Bridge End	6,171.3			
Otero Canal		28.7	H-20-44	
62+00 Bridge End				
94+17.0 Bridge End	3,217.0			
Catlin Canal				47.6
94+64.6 Bridge End				
158+95.0 END S0092(I)	6,430.4			
So. of O-76.2 Begin FAP 272E on SH.6				
TOTALS S0092(I)	15,818.7	28.7		47.6
STA 0+00 Begin S0173(I) = 0.51 Mi. from Begin F.A.S. Route 173	3,299.9			
32+99.9 Bk. + 33+02.2 Ah. Equation	10,997.8			
143+00 END S0173(I)				
TOTALS S0173(I)	14,297.7			

SUMMARY

	LIN. FT.	MILES
S0092(I) Roadway	15,818.7	2.996
S0092(I) Bridge	28.7	0.005
Sub-Total S0092(I)	15,847.4	3.001
S0092(I) No Work Section	47.6	0.009
TOTALS S0092(I) including No Work Section	15,895.0	3.010
S0173(I) Roadway	14,297.7	2.708
TOTALS S0173(I)	14,297.7	2.708
DESIGN DATA		
MAXIMUM DELTA WITHOUT CURVE	S0092(I) 0° 26'	S0173(I) 89° 49'
MAXIMUM DEGREE OF CURVE	20° 00'	0° 00'
MAXIMUM GRADE	3.80%	2.00%
MINIMUM N.P.S.D. Horizontal	300'	1300'
MINIMUM N.P.S.D. Vertical	330'	420'
MAXIMUM DESIGN SPEED	35 M.P.H.	45 M.P.H.
*Except for right angle turn Sta. 32+		

CONVENTIONAL SIGNS

- CENTER LINE
- RIGHT-OF-WAY
- COUNTY LINE
- TOWNSHIP OR RANGE LINE T. 22 S., R. 55 W.
- SECTION LINE T. 23 S., R. 55 W.
- QUARTER SECTION LINE
- CITY LIMITS
- RAILROAD
- BARBED WIRE FENCE
- WOVEN WIRE-COMBINATION FENCE
- TELEPH. & TELEG. LINE
- POWER LINE
- PRESENT ROAD (Plan Sheets)
- GAS LINE
- DETOUR

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.A. Salmons, Const. Engr., Pueblo, Colo.
O.D. Stemple, Res. Engr.,

HIGHWAY DEPARTMENT
STATE OF COLORADO

RECOMMENDED FOR APPROVAL:
James B. Bell 11-2-50
ASSISTANT ENGINEER DATE

APPROVED:
Mark E. Waters 11-4-50
STATE HIGHWAY ENGINEER DATE

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

RECOMMENDED FOR APPROVAL:
DISTRICT ENGINEER DATE

APPROVED:
DIVISION ENGINEER DATE

Note: Alignment and Grades as shown are subject to modification during construction after approval by the Denver Office.

Soil data shown on the plans is obtained from best available testing laboratory information. This information is shown for convenience of the Contractor and the Department does not guarantee the accuracy of these tests. If materials not conforming to the data on plans are encountered during construction the grading plan shown on plans will be modified where necessary to secure dense, stable embankments.

Fencing requirements are shown on Line Sheets & tabulated in list of structures.

Marker posts are tabulated on sheet 3.

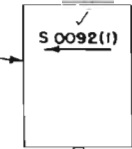
SEC. 9
T.23 S., R.57 W.

SEC. 10
T.23 S., R.57 W.

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	50092(1)	20	

Rev. 12-27-50, C.R.S., At Location

Marking for Project Marker, Rt. Sta. 0+00



B.M.
NAIL IN TELEP. POLE RT. STA. - 0+40
ASSUMED ELEV. 4300.0

SEC. 16
T.23 S., R.57 W.

STA. 0+00 = BEGIN S0092(1)

5'x10' - Reg'd. 30'x46' cross
culvert & ditches.

SOUTHERN COLORADO POWER CO.
(THROUGH OUT PROJ.)

MOUNTAIN STATES TELEP. & TELEG. CO.
(THROUGH OUT PROJ.)

N. 89° 55' E.

SEC. 15
T.23 S., R.57 W.

B.M.
NAIL IN POWER POLE RT. STA. 13+50
ELEV. 4290.89

11+20 - Reg'd. 18'x26' side drain
& road approach, Rt. Remove
18'x16' conc. pipe, Rt.

18'x16' Conc. Pipe
P17 No. 5 (Proctor) NW 1/4, Sec. 15,
T.23 S., R.57 W. 0.25 Mile to Sta. 12+00
Balise, Surfacing & Structure Backfill
C.B.R. 100+

13+36 - Reg'd. 18'x26' side drain
& road approach, Rt. Remove
12'x18' C.M.P. L1 & 18'x16' conc.
pipe, Rt.

13+15 - Remove 2'x1.5'x17' W.B.C.

2'x1.5'x17' W.B.C.

12'x18' C.M.P.

13+25 - Reg'd. 18'x38' side drain
& double road approach, Lt.

No. 1 A-7-6(10)
LL 40.9
PI 19.5
% 200 66.2

No. 1A A-6(2)
LL 42.0
PI 20.6
% 200 76.1
C.B.R. 1.9

No. 2 A-7-6(10)
Similar to No. 1
No. 2A A-6(2)
Similar to No. 1A

No. 3 A-7-6(10)
Similar to No. 1
No. 3A A-6(2)
Similar to No. 1A

No. 4 A-7-6(10)
Similar to No. 1
No. 4A A-6(2)
Similar to No. 1A

Shaping

No. 1
No. 1A

No. 2
No. 2A

No. 3
No. 3A

No. 4
No. 4A

4310
4300
4290
4280

CH-15%
DH
DH
SOURCE

PLAN PROFILE: P. R. STANDARD

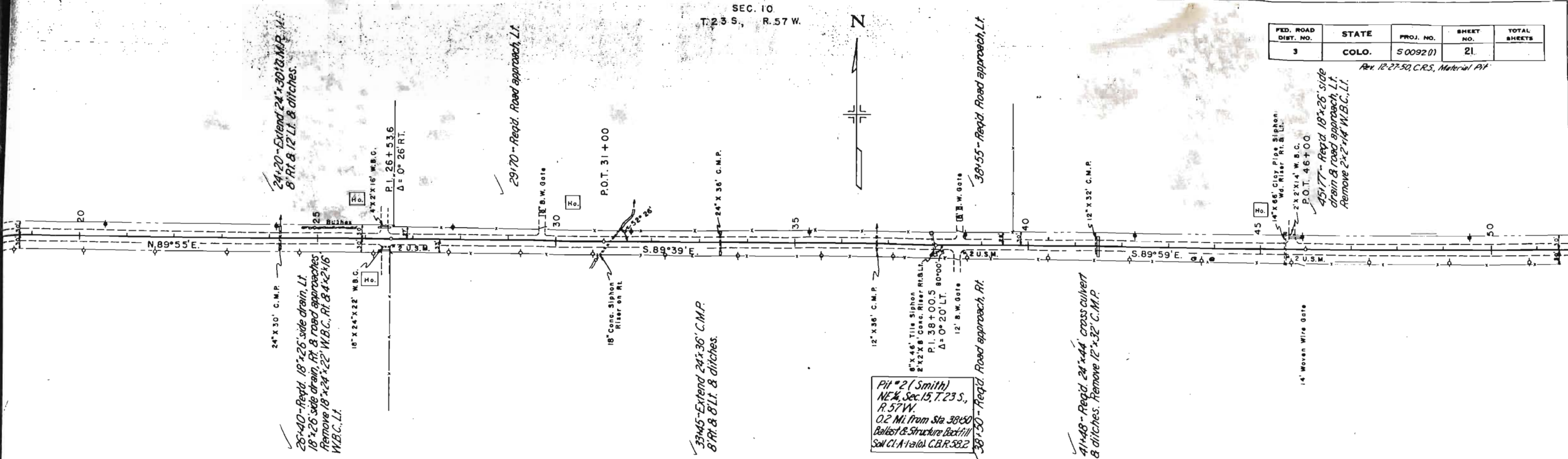
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On Imperial Tracing Cloth

SEC. 10
T. 23 S., R. 57 W.



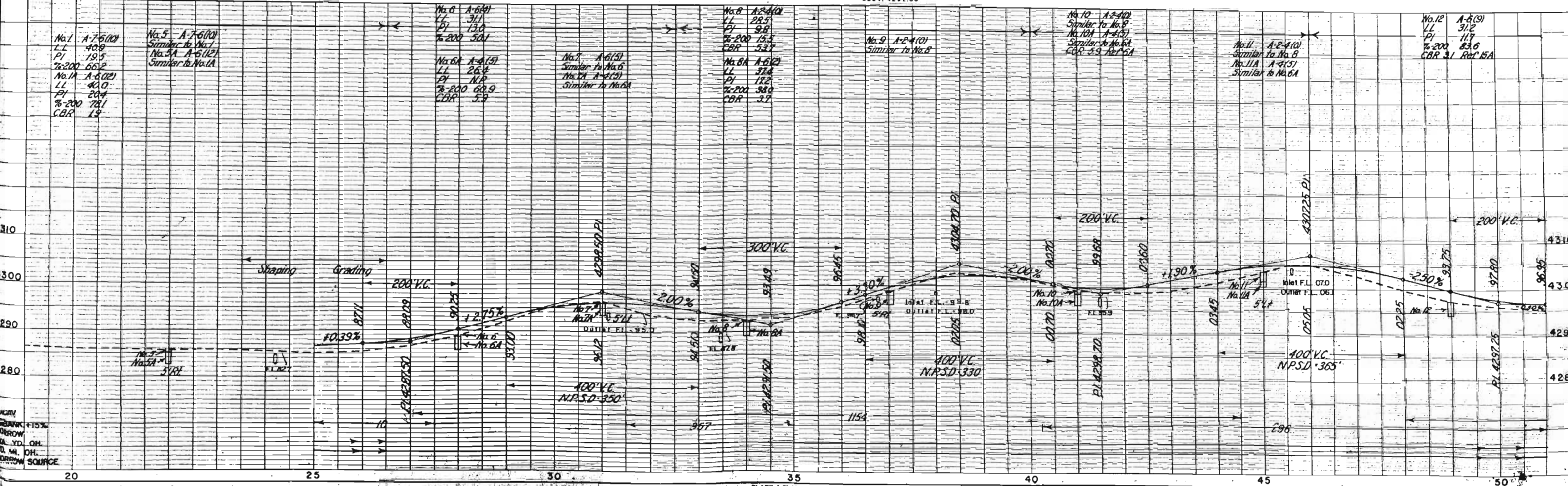
FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	5 0092 (1)	21	

Rev. 12-27-50, C.R.S., Material Pit



SEC. 15
T. 23 S., R. 57 W.

B.M. MAIL IN TEL. POLE LT. STA 35+10
ELEV. 4292.06



ENCLOSURE
BANK +15%
DRAINAGE
YD. OH.
MI. OH.
DRAINAGE SOURCE

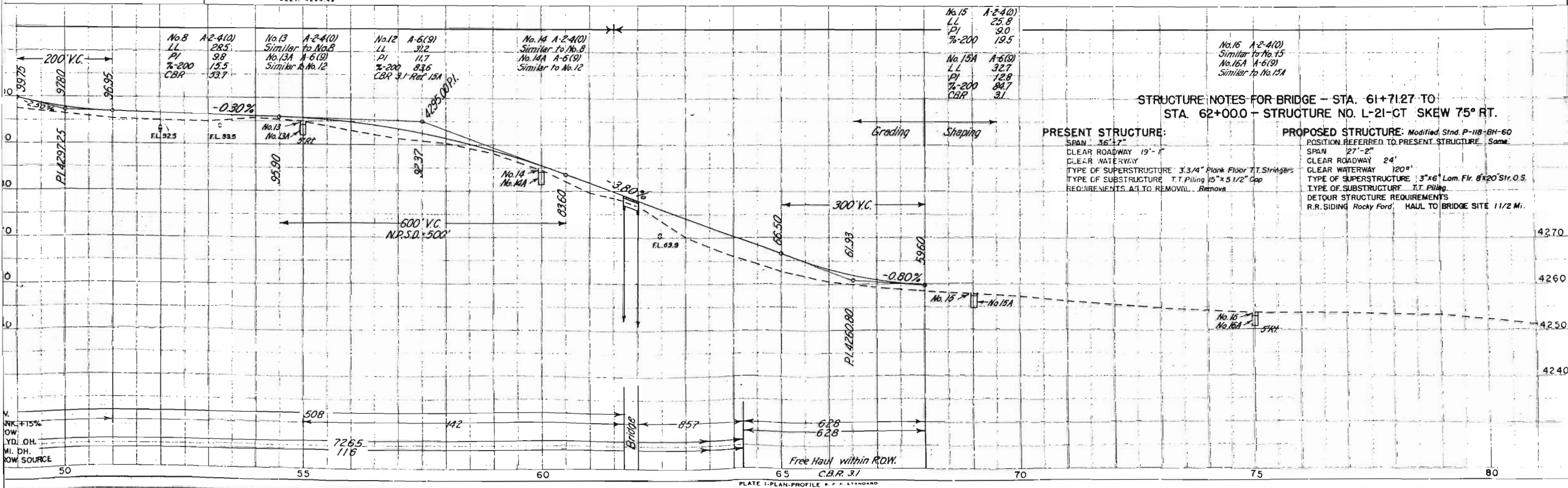
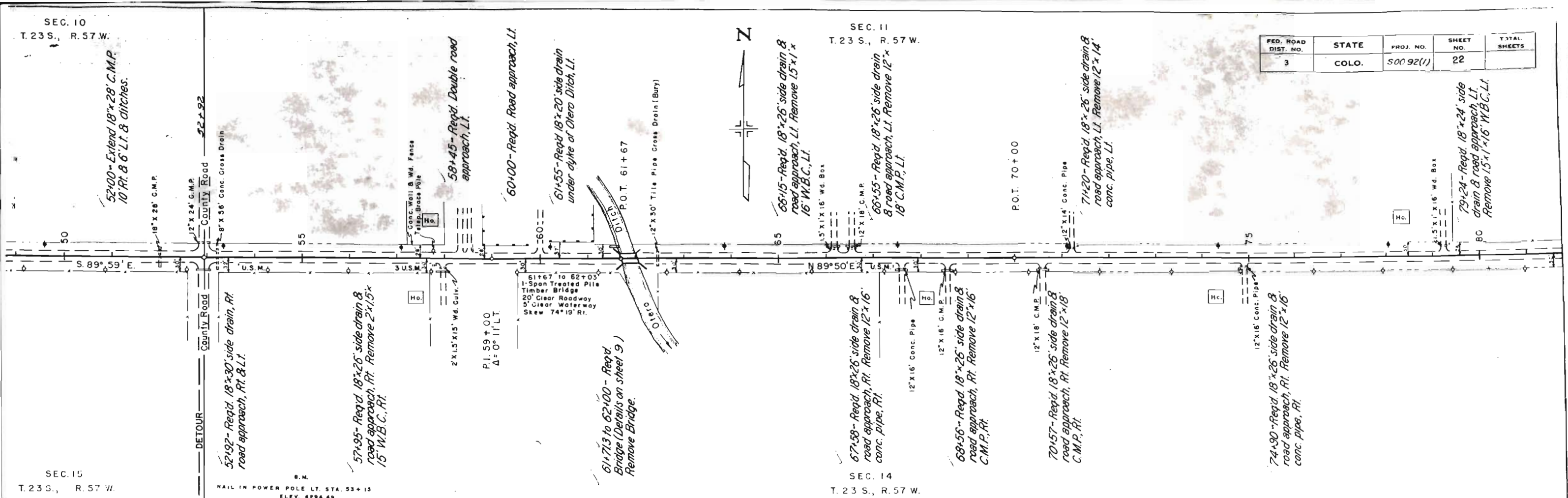
SEC. 10
T. 23 S., R. 57 W.

52+00 - Extend 18' x 26' C.M.P.
10' Rt. & 6' Lt. & ditches.

SEC. 15
T. 23 S., R. 57 W.

SEC. 11
T. 23 S., R. 57 W.

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	50092(1)	22	



P.T. 109+20.2

112+45 - Reqd. 18"x24" side drain & road approach, Lt.

118+35 - Reqd. 18"x26" side drain & road approach, Lt.

123+00 - Reqd. 18"x26" side drain & road approach, Lt. Remove 12"x16" conc. pipe, Lt.

126+95 - Reqd. 18"x26" side drain & road approach, Lt. Remove 8"x16" C.M.P., Lt.

127+85 - Reqd. 18"x24" side drain & road approach, Lt. Remove 12"x18" C.M.P., Lt.

132+28 - Reqd. 18"x26" side drain & road approach, Lt. Remove 12"x18" C.M.P., Lt.

133+20 - Reqd. 18"x26" side drain & road approach, Lt. Remove 15"x18" W.B.C., Lt.

137+55 - Reqd. 18"x24" side drain & road approach, Lt. Remove 2"x18" W.B.C., Lt.

139+64 - Reqd. 18"x40" side drain & road approach, Lt. Remove 15"x38" W.B.C., Lt.

SEC. 12
T.23 S. R.57 W.



FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	S 0092(1)	24	

117+43 - Reqd. 18"x24" side drain & road approach, Rt. Remove 2"x16" W.B.C., Rt.

119+08 - Reqd. 18"x24" side drain & road approach, Rt. Remove 15"x16" W.B.C., Rt.

127+43 - Reqd. 18"x24" side drain & road approach, Rt. Remove 12"x18" C.M.P., Rt.

128+75 - Reqd. 18"x24" side drain & road approach, Rt. Remove 12"x18" conc. pipe, Rt.

134+40 - Reqd. 18"x24" side drain & road approach, Rt. Remove 12"x18" conc. pipe, Rt.

138+87 - Reqd. 18"x24" side drain & road approach, Rt. Remove 12"x18" C.M.P., Rt.

SEC. 13
T.23 S. R.57 W.

S.M.
NAIL IN TEL. POLE RT. STA. 126+95
ELEV. 4216.09

No. 20 A-1-b(0)
LL 17.8
PI 17.8
% 200 15.2
No. 20A A-4(8)
LL 30.2
PI 30.2
% 200 81.8
CBR 5.9 Ref 6A

No. 22 A-1-b(0)
Similar to No. 20
No. 22A A-4(8)
Similar to No. 20A

No. 23 A-1-b(0)
Similar to No. 20
No. 23A A-4(8)
Similar to No. 20A

No. 24 A-1-b(0)
Similar to No. 20
No. 24A A-4(8)
Similar to No. 20A

No. 25 A-1-b(0)
Similar to No. 20
No. 25A A-6(8)
LL 33.5
PI 33.5
% 200 65.6
CBR 3.1 Ref 15A

No. 26 A-1-b(0)
Similar to No. 20
No. 26A A-6(8)
Similar to No. 25A

EXCAV.
EMBANK. 15%
BORROW
STA. YD. QH.
YD. MI. PH.
BORROW SOURCE

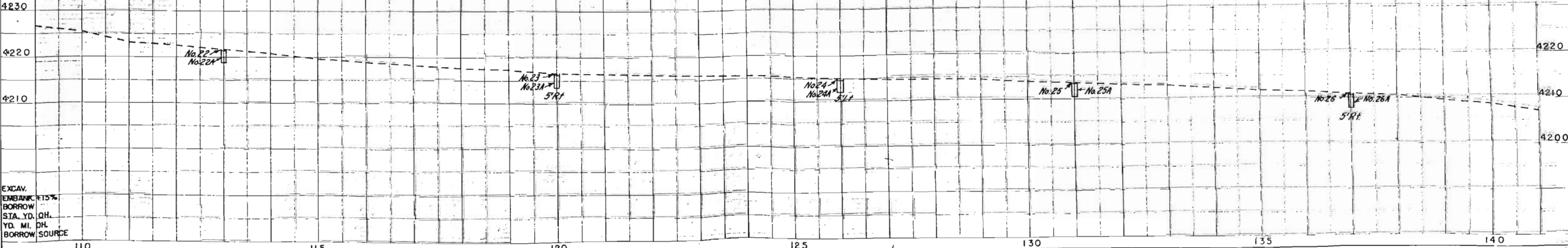


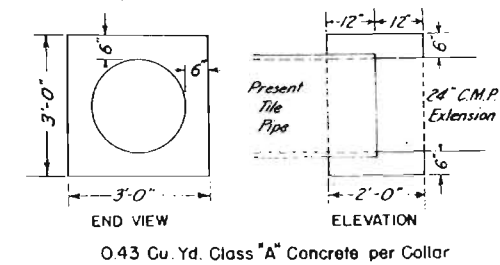
PLATE 1-PLAN-PROFILE S. P. R. STANDARD

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	50092(1)	25	

SEC. 7
T. 23 S., R. 56 W.

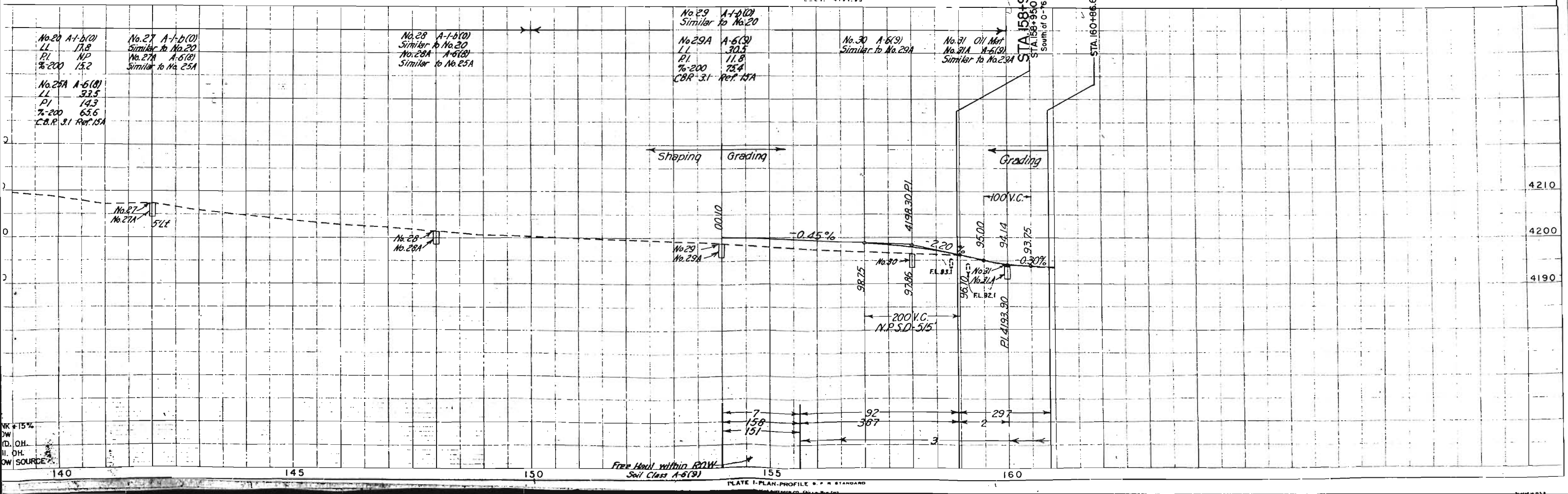
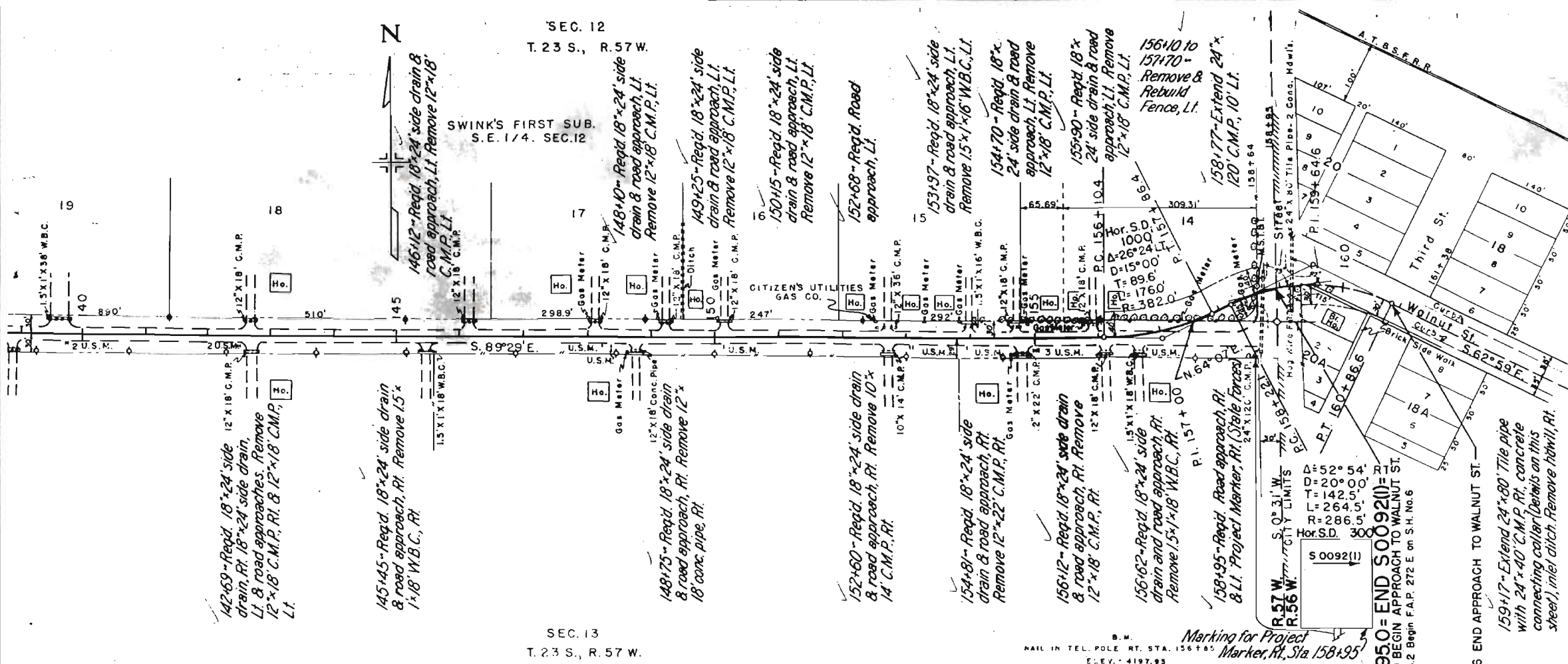
ROCKY FORD

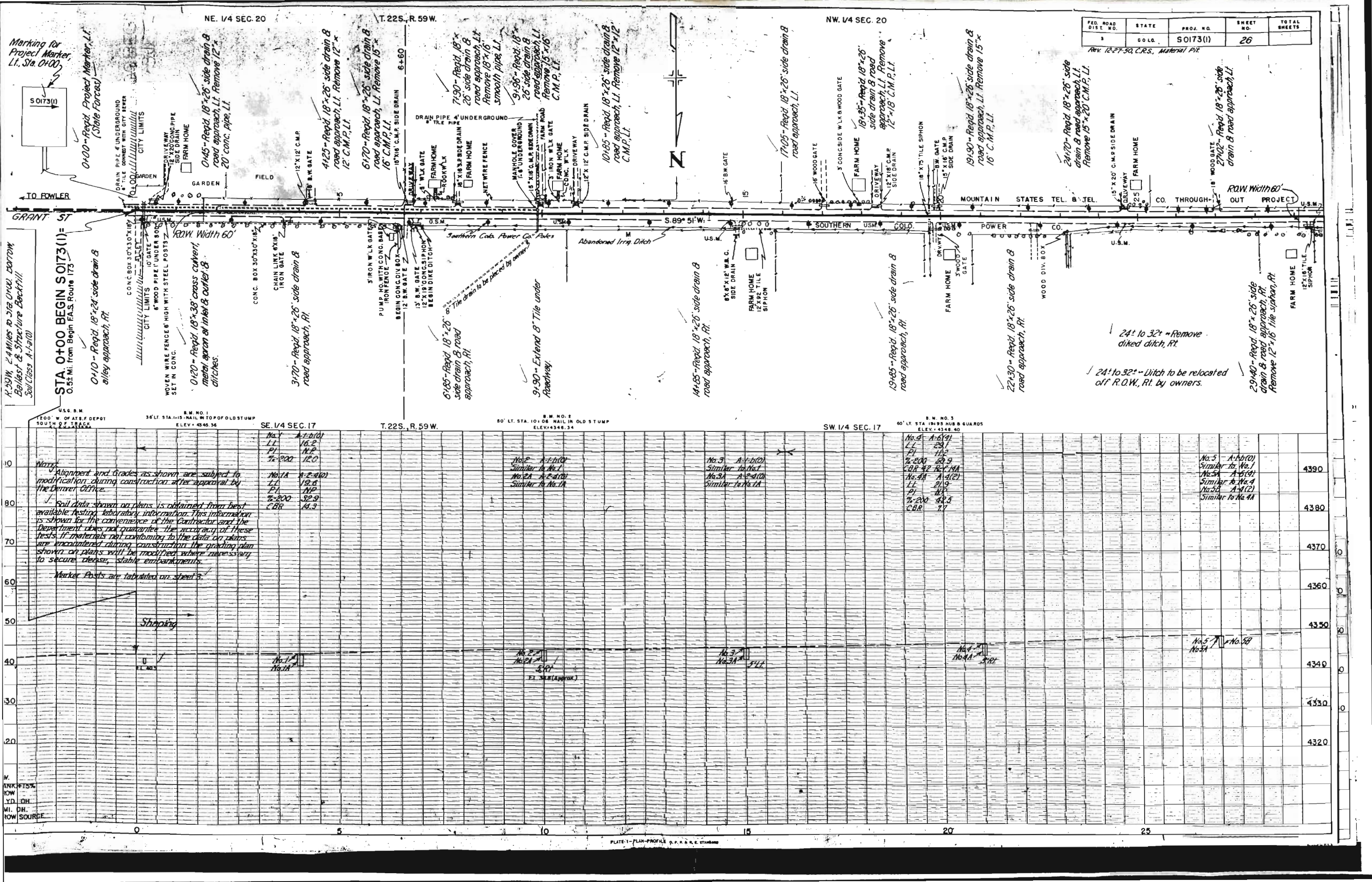
DETAIL OF CONCRETE CONNECTING COLLAR
Reqd. 1, Rt. of Sta. 159+



CLEARING & GRUBBING
156+ to 158+ Trees, Rt. & Lt.

SEC. 16
T. 23 S., R. 56 W.





NW. 1/4 SEC. 20
T. 22 S., R. 59 W.

Rev 12-27-50, C.R.S. Borrow Pit
SW. 1/4 SEC. 20

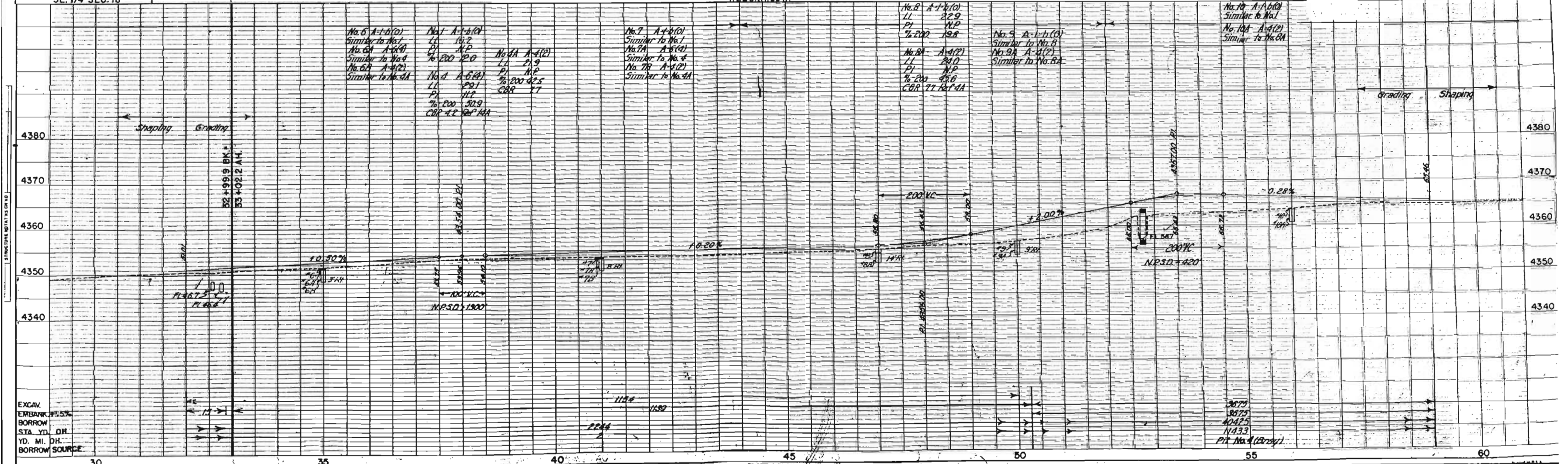
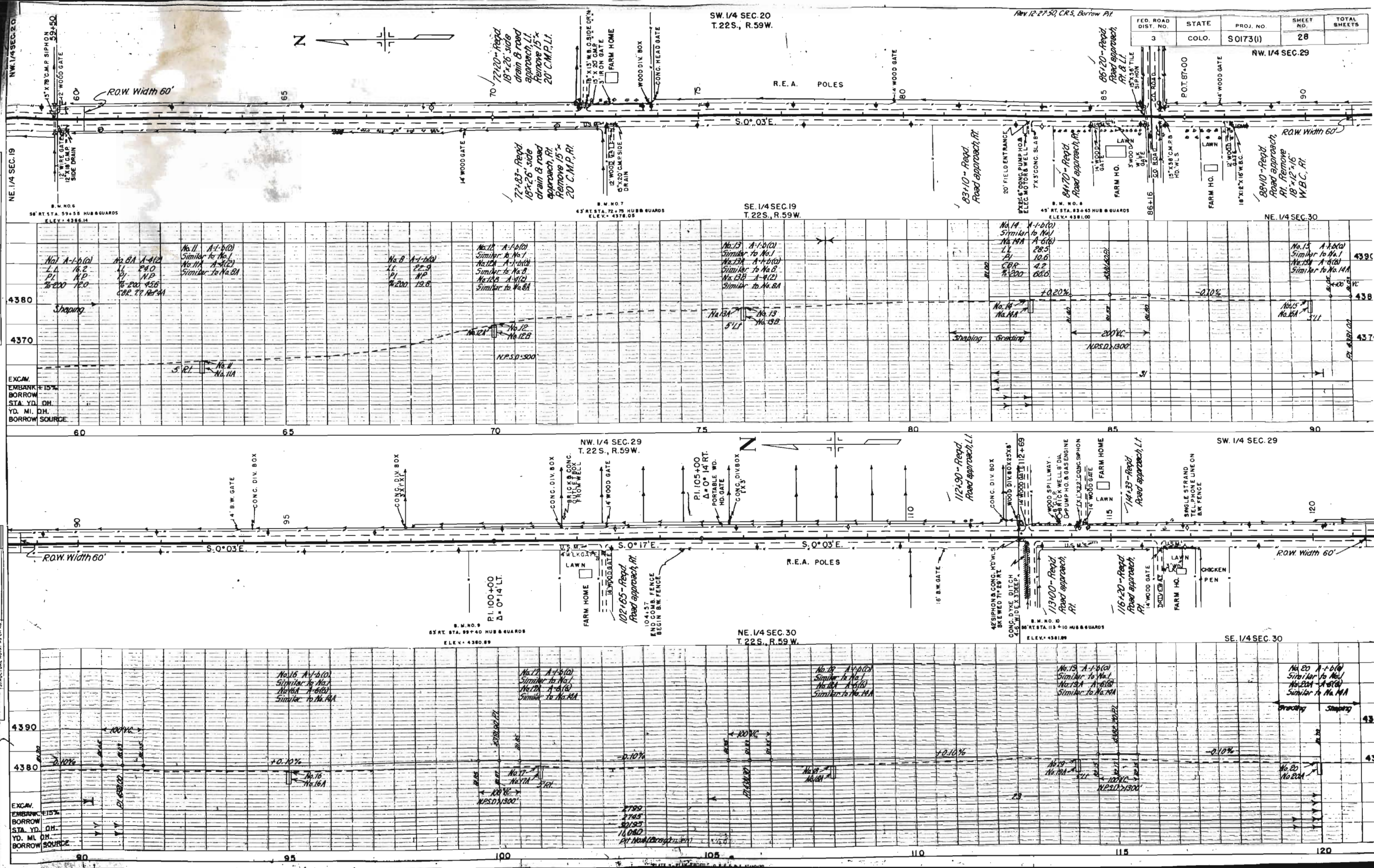
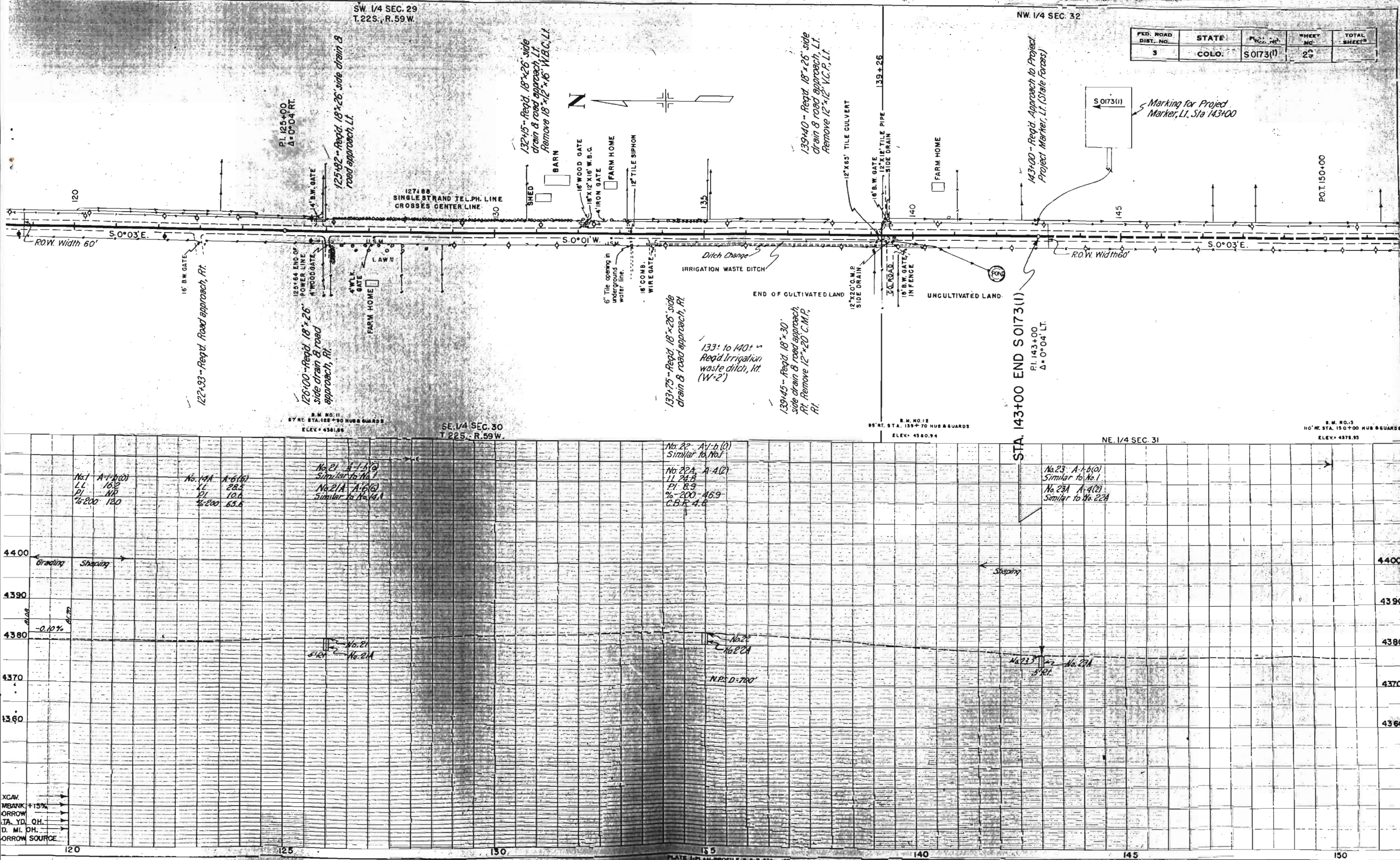


PLATE I-PLAN-PROFILE D. F. R. STANDARD

Printed in U.S.A.
On Recycled Paper



FED. ROAD DIST. NO.	STATE	FED. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	S0173(1)	25	



INDEX OF SHEETS

- 1 TITLE SHEET
- 2 TABULATION OF PROPERTIES
- 3 PLAN AND PROFILE SHEET

COLORADO STATE HIGHWAY DEPARTMENT PLAN AND PROFILE OF PROPOSED FEDERAL AID SECONDARY PROJECT NO. S 0092(I) STATE HIGHWAY NO. 202 OTERO COUNTY

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	S0092(I)	1	

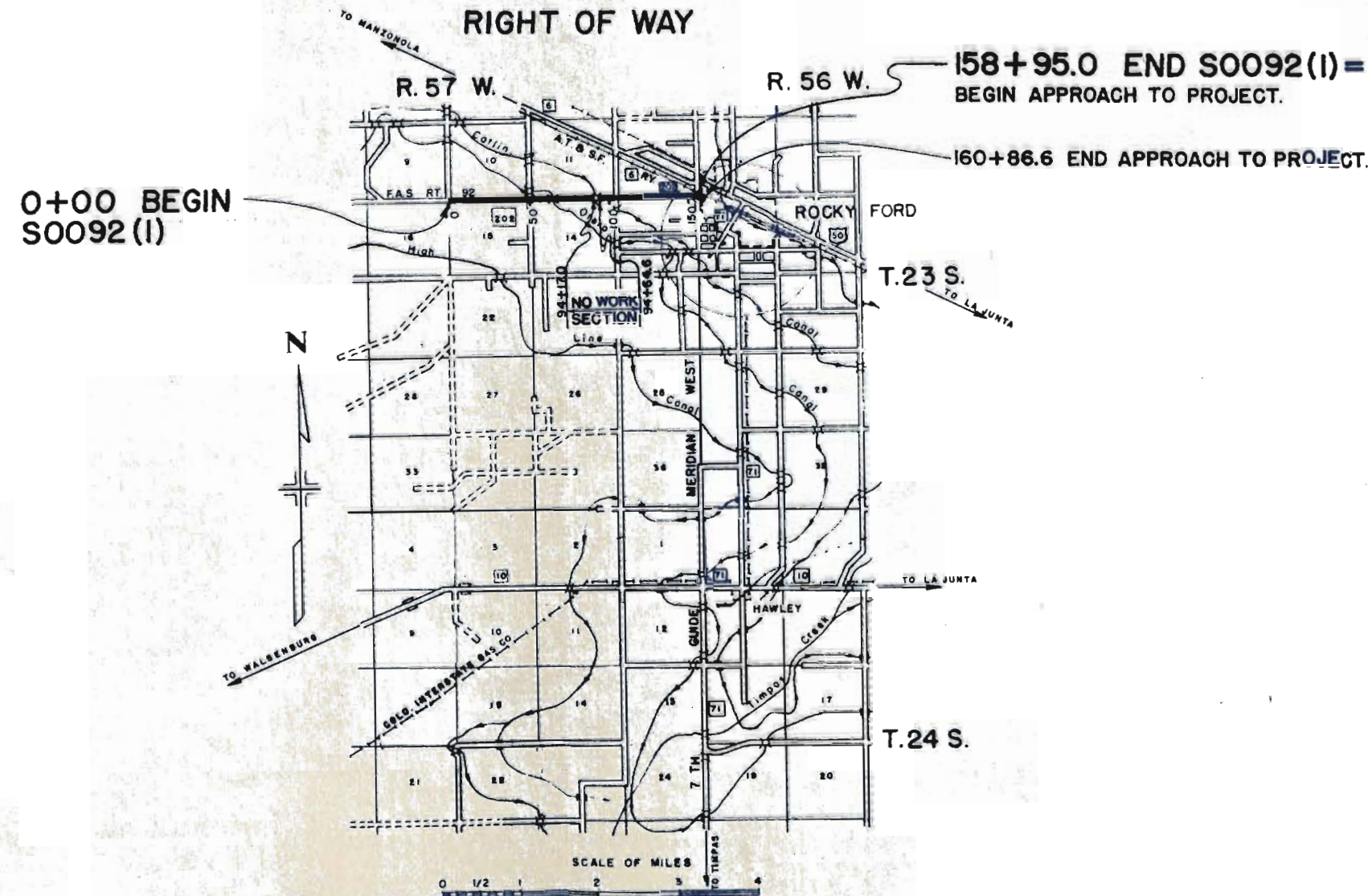
RIGHT OF WAY

CONVENTIONAL SIGNS

CENTER LINE OF SURVEY	
RIGHT OF WAY LINE	
TOWNSHIP OR RANGE LINE	
SECTION LINE	
QUATER SECTION LINE	
BARBED WIRE FENCE	
TELEPH. & TELEG.	
POWER LINE	
GAS LINE	
V.C.P. DRAIN	
COMB. WIRE FENCE	

ORIGINAL SCALES
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

RIGHT OF WAY



FILE COPY
DO NOT REMOVE

PROJ. NO. S 0092 (1)

RIGHT OF WAY

[illegible]

SEC. 12
T. 23 S., R. 57 W.

SWINK'S FIRST SUB.
S.E. 1/4, SEC. 12

RIGHT OF WAY

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	S0092(1)	3	

SEC. 7
T. 23 S., R. 56 W.

ROCKY FORD

- ① ISAAC H. KOUNS & EFFIE H. KOUNS
ROCKY FORD, COLO.
- ② WM. A. ENGLE
301 E. 3RD.
ROCKY FORD, COLO.

SEC. 13
T. 23 S., R. 57 W.

B.M.
NAIL IN TEL. POLE RT. STA. 156+85
ELEV. 4197.95

SEC. 18
T. 23 S., R. 56 W.

No. 20 A-1(10)
LL 11.8
PI 11.8
% 200 15.2
No. 20A A-5(8)
LL 93.5
PI 14.3
% 200 63.6
C.B.R. 31 Ref. 15A

No. 27 A-1(10)
Similar to No. 20
No. 27A A-5(8)
Similar to No. 25A

No. 28 A-1(10)
Similar to No. 20
No. 28A A-5(8)
Similar to No. 25A

No. 29 A-1(10)
Similar to No. 20
No. 29A A-5(8)
LL 30.5
PI 11.8
% 200 73.4
C.B.R. 31 Ref. 15A

No. 30 A-6(9)
Similar to No. 29A

No. 31 On Met
No. 31A A-6(9)
Similar to No. 29A

STA 158+95.0 = END S0092(1)
STA 158+95.0 BEGIN APPROACH TO PROJECT

STA 160+86.6 END APPROACH TO PROJECT

