



COLORADO
Department of
Transportation

DOCUMENT SEPARATOR SHEET

REGION 5 – JUNE 2017 CONVERSION

To be placed at the beginning of each separator sheet.



r500001075

Description:

ROW Plans 24X36

Route # and Mile Points:

SH 145

Originating Office:

ROW/Survey

File Name:

F.A.P. 103-D(1)_ROW(.PDF)

Box Location:

21 (TUBE-1)of 38

F.A.P. 103-1D(1)

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	F.A.P. 103-D(1) F.L.H.P. 5-B(11)	1	2

Rev. 6-18-40 - A.Z. - Noted F.A.P. 103 E(11)

COLORADO STATE HIGHWAY DEPARTMENT
RIGHT OF WAY MAP
FOR
F.A.P. 103-D(1) & F.L.H.P. 5-B(11)
SAN MIGUEL COUNTY
SCALE 1" = 200'

SW 1/4, SE 1/4, SEC. 24
T. 45 N., R. 13 W.
HELEN HARMON
TRUSTEE & EXECUTRIX
JOE GABARDI, AGENT

SE 1/4, SE 1/4, SEC. 24
T. 45 N., R. 13 W.
HELEN HARMON
TRUSTEE & EXECUTRIX
JOE GABARDI, AGENT

LOT II, SEC. 19
T. 45 N., R. 12 W.
PHILO HOEFLER

SE 1/4, SW 1/4, SEC. 19
T. 45 N., R. 12 W.
PETER SPOR

SW 1/4, SE 1/4, SEC. 19
T. 45 N., R. 12 W.
JESSE & E. M. WILLIAMS

SE 1/4, SE 1/4, SEC. 19
T. 45 N., R. 12 W.
PUBLIC DOMAIN
POWERSITE

NW 1/4, NE 1/4, SEC. 25
T. 45 N., R. 13 W.
F. H. BUSS

NE 1/4, NE 1/4, SEC. 25
T. 45 N., R. 13 W.
F. H. BUSS

LOT I, SEC. 30
T. 45 N., R. 12 W.
A. F. FELL

NE 1/4, NW 1/4, SEC. 30
T. 45 N., R. 12 W.
EXCEPT 10 ACRES
A. F. FELL

NW 1/4, NE 1/4, SEC. 30
T. 45 N., R. 12 W.
H. A. WARING ET AL

NE 1/4, NE 1/4, SEC. 30
T. 45 N., R. 12 W.
PUBLIC DOMAIN
POWERSITE

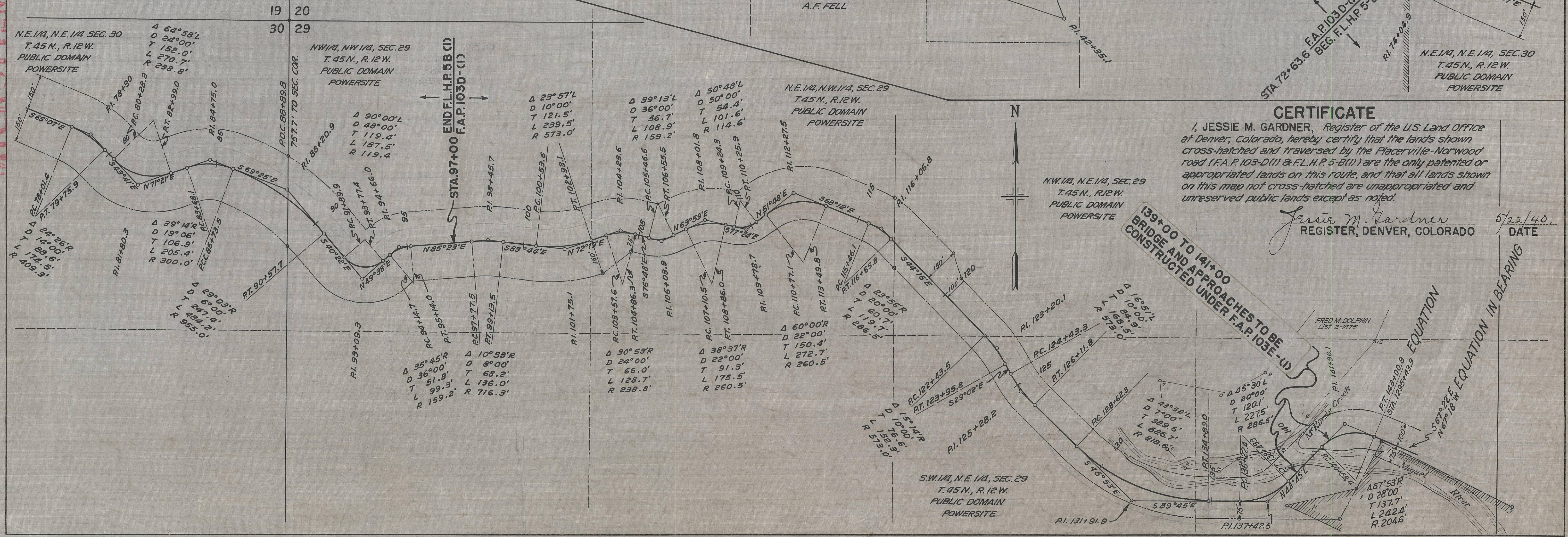
CERTIFICATE

I, JESSIE M. GARDNER, Register of the U.S. Land Office at Denver, Colorado, hereby certify that the lands shown cross-hatched and traversed by the Placerville-Norwood road (F.A.P. 103-D(1) & F.L.H.P. 5-B(11)) are the only patented or appropriated lands on this route, and that all lands shown on this map not cross-hatched are unappropriated and unreserved public lands except as noted.

Jessie M. Gardner
REGISTER, DENVER, COLORADO

5/22/40
DATE

139+00 TO 141+00
BRIDGE AND APPROACHES TO BE
CONSTRUCTED UNDER F.A.P. 103-E(1)



MICROFILMED



COLORADO
Department of
Transportation

DOCUMENT SEPARATOR SHEET

REGION 5 – JUNE 2017 CONVERSION

To be placed at the beginning of each separator sheet.



r500001732

Description:

ROW Plans 11X17

Route # and Mile Points:

SH 145

Originating Office:

ROW/Survey

File Name:

F.A.P. 103D(1)_ROW(.PDF)

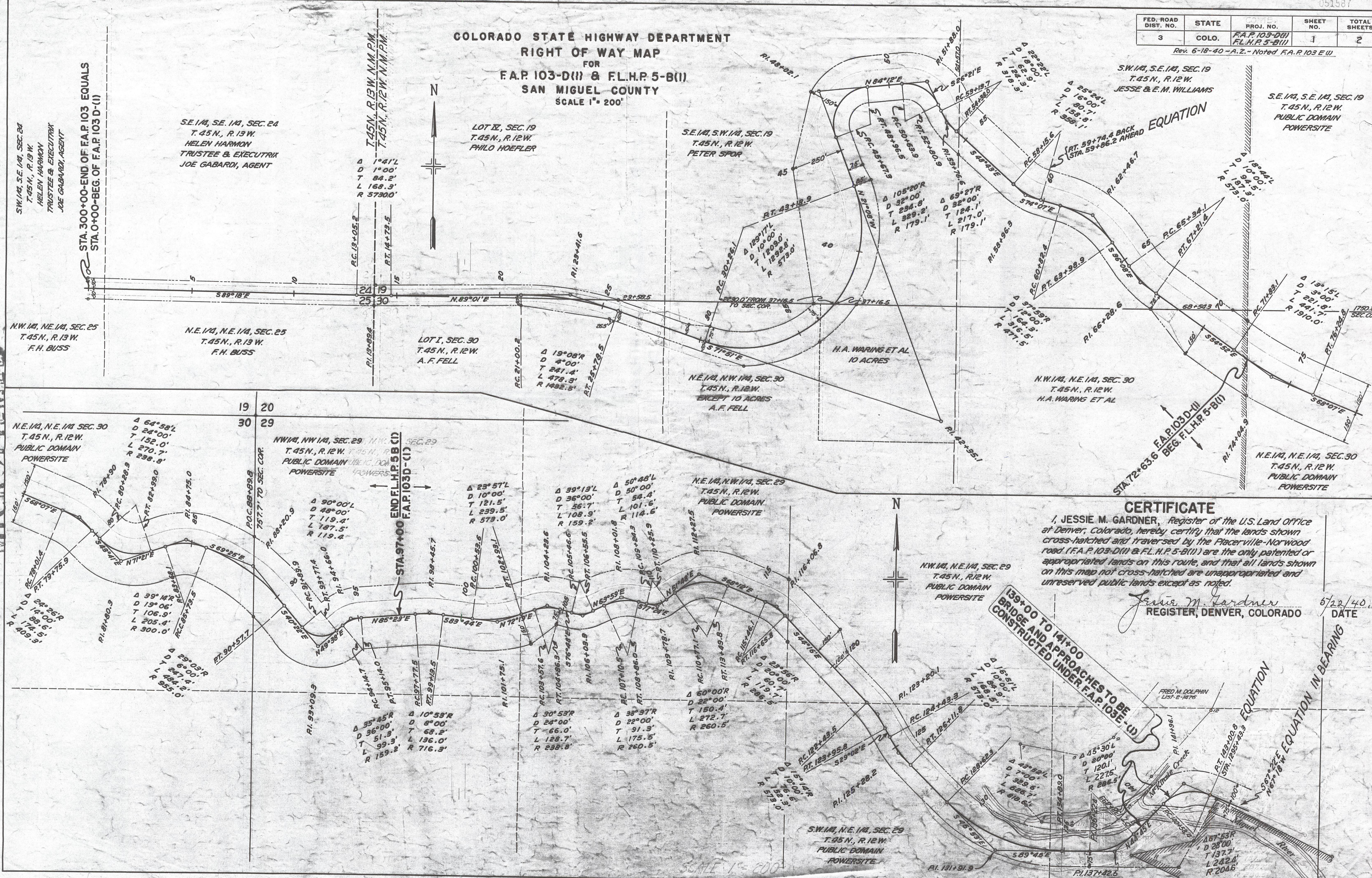
Box Location:

27 of 38

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	F.A.P. 103-D(II) FL.H.P. 5-B(II)	1	2

Rev. 6-18-40 - A.Z. - Noted F.A.P. 103 E(II)

COLORADO STATE HIGHWAY DEPARTMENT
RIGHT OF WAY MAP
FOR
F.A.P. 103-D(II) & FL.H.P. 5-B(II)
SAN MIGUEL COUNTY
SCALE 1" = 200'



CERTIFICATE
I, JESSIE M. GARDNER, Register of the U.S. Land Office at Denver, Colorado, hereby certify that the lands shown cross-hatched and traversed by the Placerville-Norwood road (F.A.P. 103-D(II) & FL.H.P. 5-B(II)) are the only patented or appropriated lands on this route, and that all lands shown on this map not cross-hatched are unappropriated and unreserved public lands except as noted.
JESSIE M. GARDNER
REGISTER, DENVER, COLORADO
6/22/40
DATE

139+00 TO 141+00
BRIDGE AND APPROACHES TO BE
CONSTRUCTED UNDER F.A.P. 103E-D(II)
EQUATION
EQUATION IN BEARING

MICROFILMED

FED. ROAD DIST. NO.	STATE	COMBINED	SHEET NO.	TOTAL SHEETS
3	COLO.	F.A.P. 103 D (I) F.L.H.P. 5 B (I)	1	

Rev. 6-18-40-A.Z. - Noted, F.A.P. 103 E (I)
6-3-43 REVISED AS CONSTRUCTED

H.W.M.

INDEX OF SHEETS

- SHEET NO. 1 SKETCH MAP AND TITLE PAGE.
 2 TYPICAL SECTION AND SUMMARY OF QUANTITIES.
 3-5 LIST OF STRUCTURES.
 6 SURFACING, SELECT MATERIAL, FENCING, & SPECIAL DETAILS.
 7 & 8 DETAILS OF SPECIAL 10'X10' CONCRETE BOX CULVERT, STA. 1245+92.
 9 DETAILS AND LAYOUT FOR MASONRY RETAINING WALL.
 10 STANDARD HEADWALLS FOR C.M.P. CULVERTS. M 102 E
 11 CONCRETE BOX CULVERTS. M 103 D
 12 STANDARD TIMBER GUARD POSTS. M 19 B
 13 " WIRE CABLE GUARD FENCE. M 20 B
 14 " FENCES (UNTREATED WOODEN POSTS). M 24 G X
 15 " METHODS FOR SUPERELEVATION AND WIDENING OF CURVES. M 1 B
 16 TYPICAL SIDE APPROACH ROADS - ROADWAY CONSTRUCTION TRAFFIC SIGNS. M 2 B
 17 STANDARD MARKER POST. M 7 B
 18-25 ALIGNMENT PLAN AND PROFILE.
 26-162 CROSS SECTIONS.

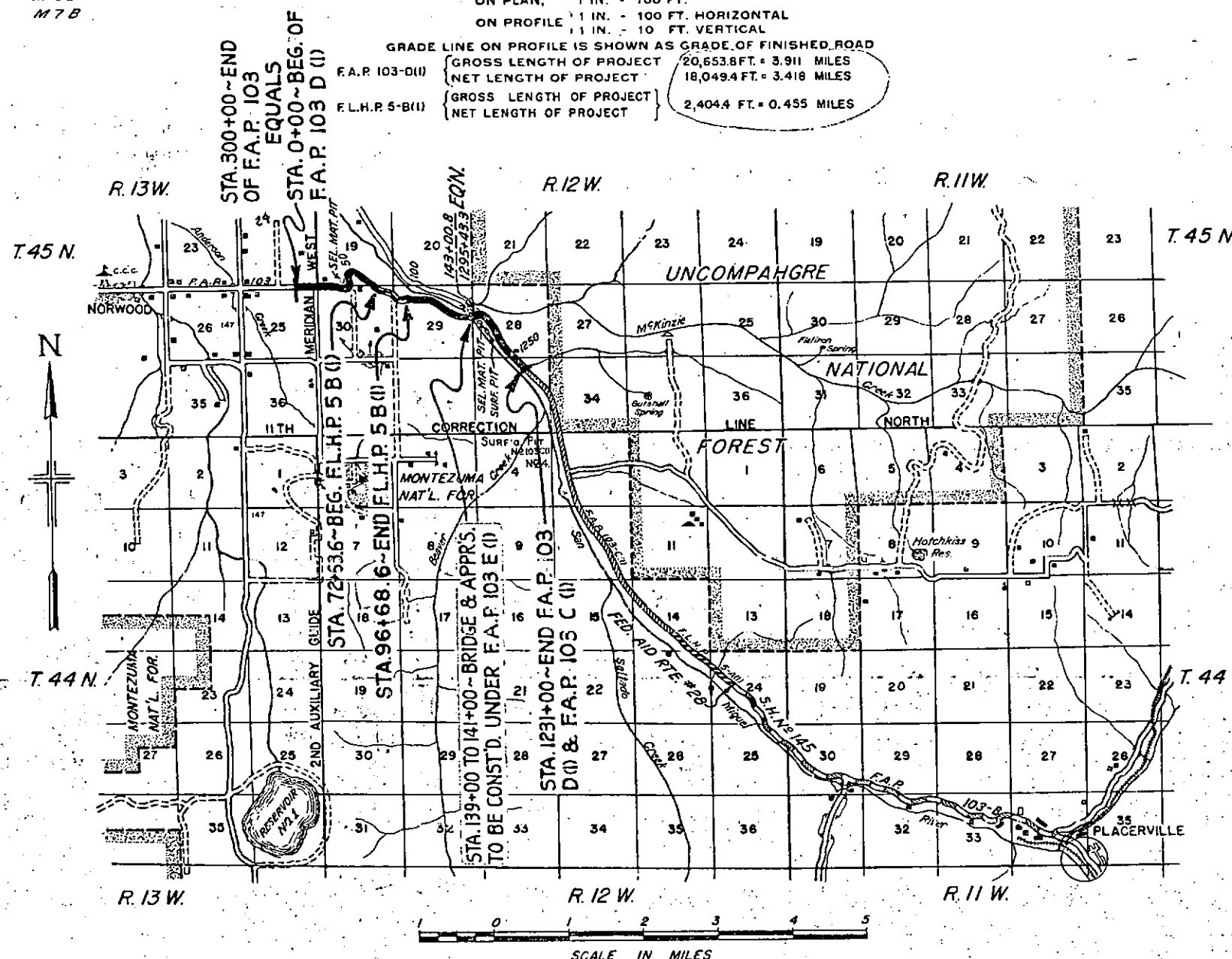
COLORADO STATE HIGHWAY DEPARTMENT

PLAN AND PROFILE OF PROPOSED FEDERAL AID PROJECT NO. 103 D (I) AND FEDERAL LANDS HIGHWAY PROJECT NO. 5 B (I)

STATE HIGHWAY NO. 145 SAN MIGUEL COUNTY

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

GRADE LINE ON PROFILE IS SHOWN AS GRADE OF FINISHED ROAD
 F.A.P. 103-D (I) GROSS LENGTH OF PROJECT 20,653.8 FT. = 3.911 MILES
 NET LENGTH OF PROJECT 18,049.4 FT. = 3.418 MILES
 F.L.H.P. 5-B (I) GROSS LENGTH OF PROJECT 2,404.4 FT. = 0.455 MILES
 NET LENGTH OF PROJECT



LEGEND
 F.A.P. 103 D (I)
 F.L.H.P. 5 B (I)

CONVENTIONAL SIGNS

CENTER LINE OF SURVEY
 RIGHT OF WAY LINES
 TOWNSHIP OR RANGE LINES
 ONE QUARTER SECTION LINES
 SECTION LINES
 BARBED WIRE FENCE
 WIRE CABLE GUARD FENCE
 TELEPHONE LINES
 TIMBER GUARD POSTS

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.J. Vandemoer Division Engineer Grand Junction, Colo.
 J.A. Cavanaugh Resident Engineer Montrose, Colo.

RECOMMENDED FOR APPROVAL

ASSISTANT ENGINEER
 DATE 5-15-40

APPROVED

STATE HIGHWAY ENGINEER
 DATE

RECOMMENDED FOR APPROVAL

DISTRICT ENGINEER
 PUBLIC WORKS ADMINISTRATION
 FEDERAL WORKS AGENCY

RECOMMENDED FOR APPROVAL

CHIEF, WESTERN REGION
 PUBLIC WORKS ADMINISTRATION
 FEDERAL WORKS AGENCY

APPROVED

COMMISSIONER
 PUBLIC WORKS ADMINISTRATION
 FEDERAL WORKS AGENCY

MARKS	SIZE	Nº REQD	LENGTH	TYPE	l	m	r	t	BENDING DIAGRAMS
B1	5/8"	2 Each	13'-5"	III	11'-2"	0'-6"	2'-6"	2'	
B10	5/8"	2 Each	13'-9 1/2"	III	11'-6 1/2"	0'-6"	2'-6"	2'	
B11	3/4"	10	14'-2"	III	11'-7"	0'-8"	3"	2 1/2"	
B12	3/4"	10	14'-11"	III	11'-9"	1'-1"	3 1/2"	3"	
B13	3/4"	38	8'-0"	III	4'-1"	2'-2"	2'-6"	2'	
B14	1/2"	24	19'-5"	STR.					
C1	5/8"	2 Each	8'-6"	III	6'-1"	0'-8"	2'-6"	2'	
C10	5/8"	2 Each	12'-3"	III	9'-1"	1'-5"	2'-6"	2'	
C11	3/4"	2 Each	12'-11"	III	9'-6"	1'-6"	3"	2 1/2"	
C15	3/4"	2 Each	14'-3"	III	10'-6"	1'-10"	3"	2 1/2"	
C16	7/8"	2 Each	14'-8"	III	10'-9"	1'-10"	3 1/2"	3"	
C20	5/8"	2 Each	15'-0"	III	11'-9"	2'-2"	2'-6"	2'	
C21	5/8"	10	6'-3"	III	4'-0"	0'-6"	2'-6"	2'	
C22	1/2"	2 Each	3'-3"	STR.					
C26	1/2"	2 Each	17'-3"	STR.					
C27	1/2"	12	19'-6"	STR.					
F1	1/2"	24	25'-0"	STR.					
F2	1/2"	4	15'-0"	STR.					
F3	3/8"	58	9'-3"	II	3'-2"	4'-11"	2'-6"	2'	
F4	3/8"	10	8'-6"	II	3'-2"	4'-2"	2'-6"	2'	
F5	3/8"	8	7'-9"	II	3'-2"	3'-5"	2'-6"	2'	
F6	3/8"	8	7'-0"	II	3'-2"	2'-8"	2'-6"	2'	
F7	3/8"	22	6'-3"	II	3'-2"	1'-11"	2'-6"	2'	
F8	1/2"	8	31'-0"	STR.					
U	1/2"	104	25'-3"	STR.					
V1	3/4"	188	13'-0"	I	11'-0"		3"	2 1/2"	
V2	3/4"	4 Each	12'-7"	I	10'-7"		3"	2 1/2"	
V9	1"	12	16'-8"	I	14'-0"		4"	3 1/2"	
V20	1"	12	16'-8"	I	14'-0"		4"	3 1/2"	
W	3/8"	118	12'-6"	I	10'-10"		2'-6"	2'	

SUMMARY			
200 LIN. FT.	1" @ 2.670 #/FT.	=	534 LB.
303	3/8" @ 2.044	=	619
3322	3/8" @ 1.502	=	4990
3198	3/8" @ 1.043	=	3335
2626	1/2" @ 0.850	=	2232
1713	1/2" @ 0.668	=	1144
Plus 1% Overrun		=	126
TOTAL		=	12980 LBS.

SUMMARY OF QUANTITIES

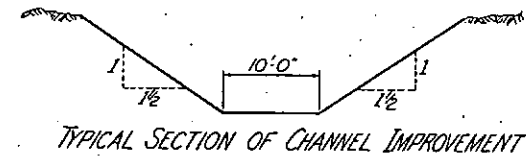
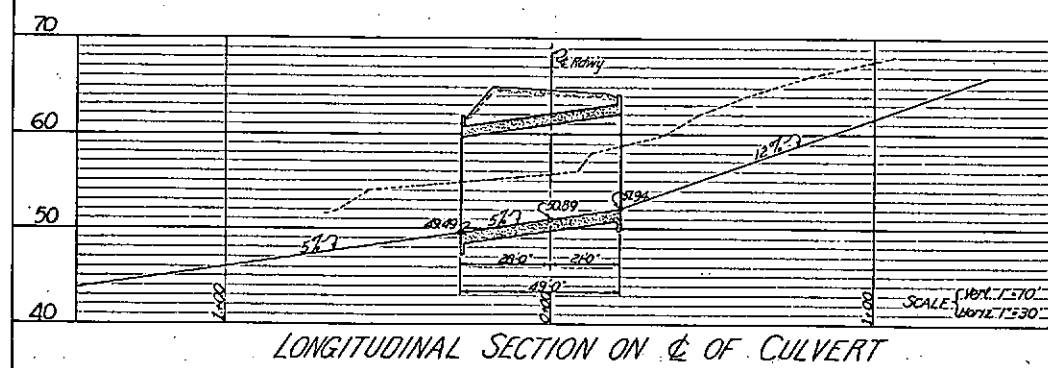
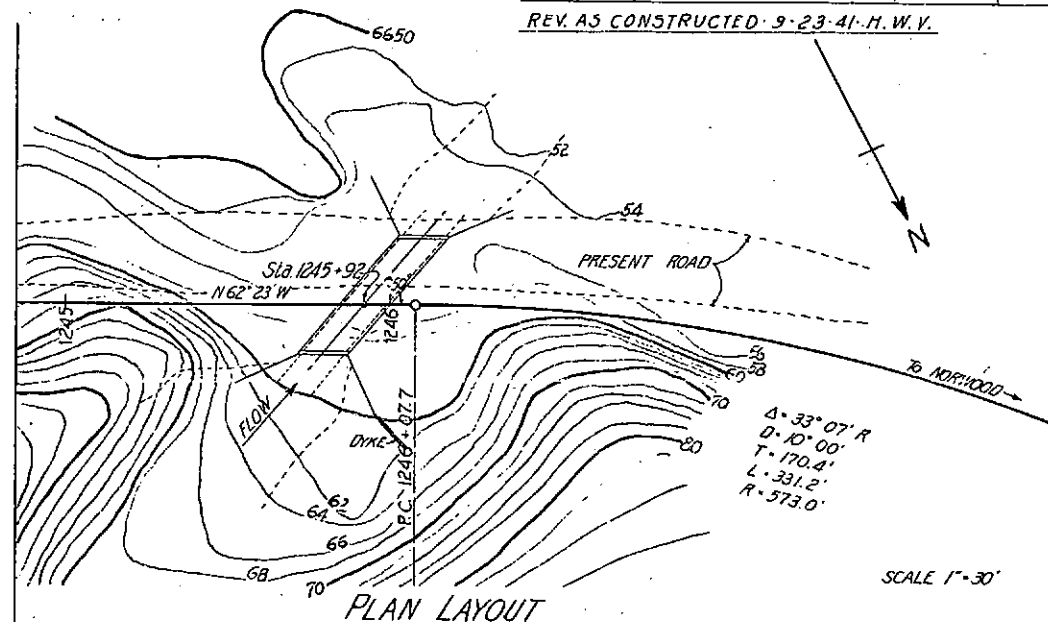
ITEM	DESCRIPTION	UNIT	TOTAL
13C	UNCLASSIFIED EXCAVATION	Cu. Yd.	1279
14D	STRUCTURAL EXCAVATION (DRY COMMON)	Cu. Yd.	220
46A	CLASS "A" CONCRETE	Cu. Yd.	163
47	REINFORCING STEEL	LB.	12980
48	STRUCTURAL STEEL	LB.	770
110	30" TO 40" STEEL "T" RAILS	LIN. FT.	882
*	1/4" EXPANSION JOINT MATERIAL	Sq. Ft.	47

*To be included in Unit Bid Price for Class "A" Concrete.
 Second hand Rails in good condition and of specified weight may be used.

REVISIONS

FED. ROAD DIST. NO.	STATE	F.A.P.	SHEET NO.	TOTAL SHEETS
3	COLO.	103-D(II)	7	

REV. AS CONSTRUCTED 9-23-41 H.W.V.



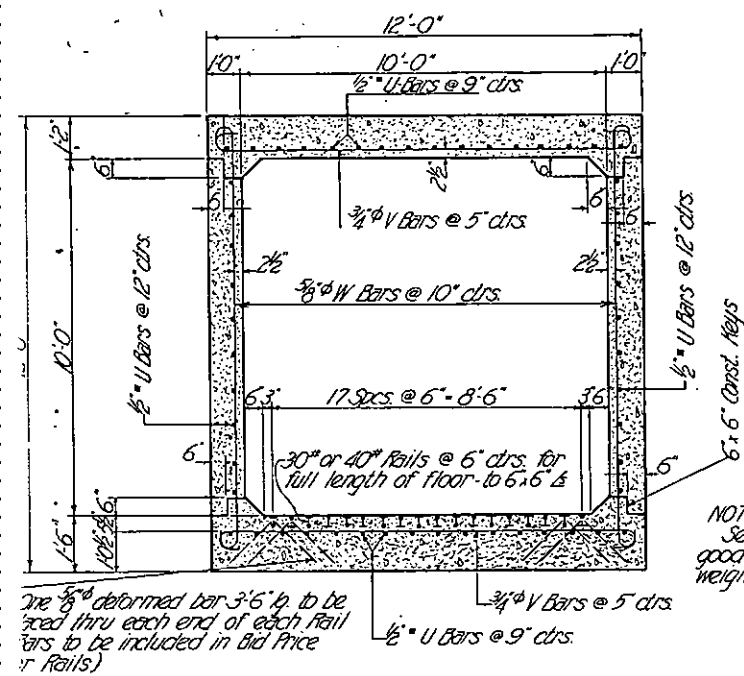
GENERAL NOTES
 ALL WORK SHALL BE DONE ACCORDING TO THE STANDARD SPECIFICATIONS OF THE COLORADO STATE HIGHWAY DEPARTMENT ADOPTED JUNE 1, 1937.
 ALL CONCRETE SHALL BE CLASS "A".
 ALL EXPOSED SURFACES SHALL BE RUBBED FREE OF FORM MARKS.
 ALL EXPOSED CORNERS SHALL BE BEVELED TO A 2" FACE.
 ALL CONSTRUCTION JOINTS SHALL BE THOROUGHLY CLEANED BEFORE FRESH CONCRETE IS POURED.
 FOOTINGS IN ROCK SHALL BE POURED OUT TO ROCK AND NOT FORMED.
 ALL BARS SHALL BE DEFORMED.
 ALL BARS SHALL BE TAGGED WITH THE STATION NUMBER AND LETTER DESIGNATION.
 SECONDARY BARS WHEN SPLICED SHALL BE LAPPED 50 DIAMETERS.
 MAIN BARS SHALL NOT BE SPLICED.
 MINIMUM DISTANCE FROM CENTERLINE OF BAR TO EDGE OF CONCRETE SHALL BE 2 1/2".
 FOUR WING FOOTINGS MONOLITHICALLY WITH FLOOR OF BOX.
 FOUR WINGS INDEPENDENT OF SIDES OF BOX.
 SUPPORTING SOILS FOR CULVERTS MUST BE COMPOSED OF FIRM AND UNIFORM MATERIAL THROUGHOUT.
 ALL BACKFILLING TO AND OVER CULVERT SHALL BE LAID IN LAYERS NOT EXCEEDING SIX INCHES IN THICKNESS AND EACH LAYER SHALL BE ROLLED OR HAND-TAMPED WHERE INACCESSIBLE TO ROLLER AND MOISTENED WHERE NECESSARY TO SECURE COMPACTNESS.

REFERENCE DRAWING
 For Details of C.B.C. see Sheet No. 8

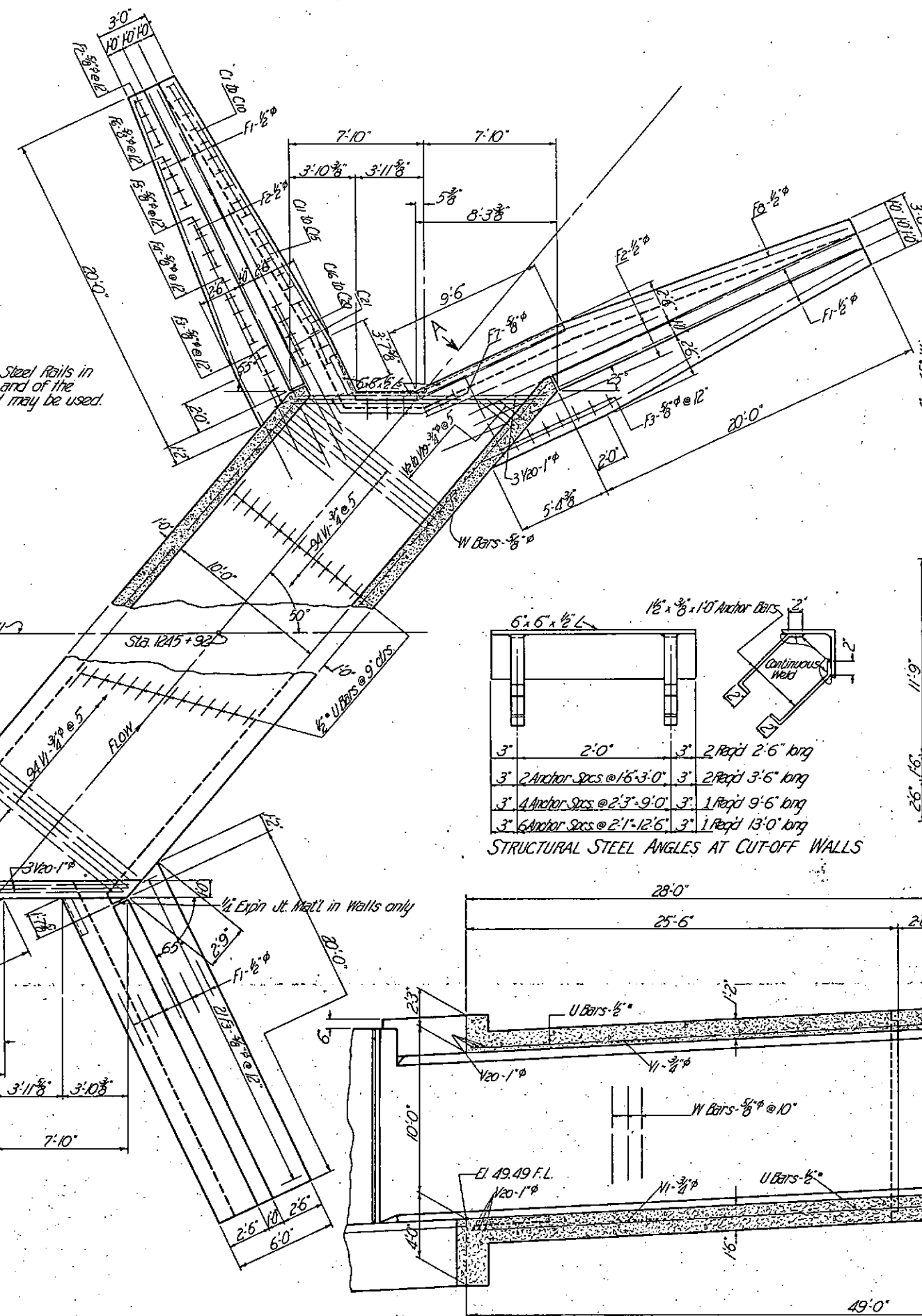
COLORADO	
STATE HIGHWAY DEPARTMENT	
SPECIAL	
10' x 10'	
CONCRETE BOX CULVERT	
Across	WASH.
Sta.	1245 + 92
Near	PLACERVILLE Sec. 28 T. 45N. R. 12W.
Designed by	Approved by <i>Ed Bailey</i>
Made by	Bridge Engineer
Checked by	Date: April 10, 1940.

STRUCTURE NO.

FED. ROAD DIST. NO.	STATE	F.A.P.	SHEET NO.	TOTAL SHEETS
3	COLO.	103-D III	8	

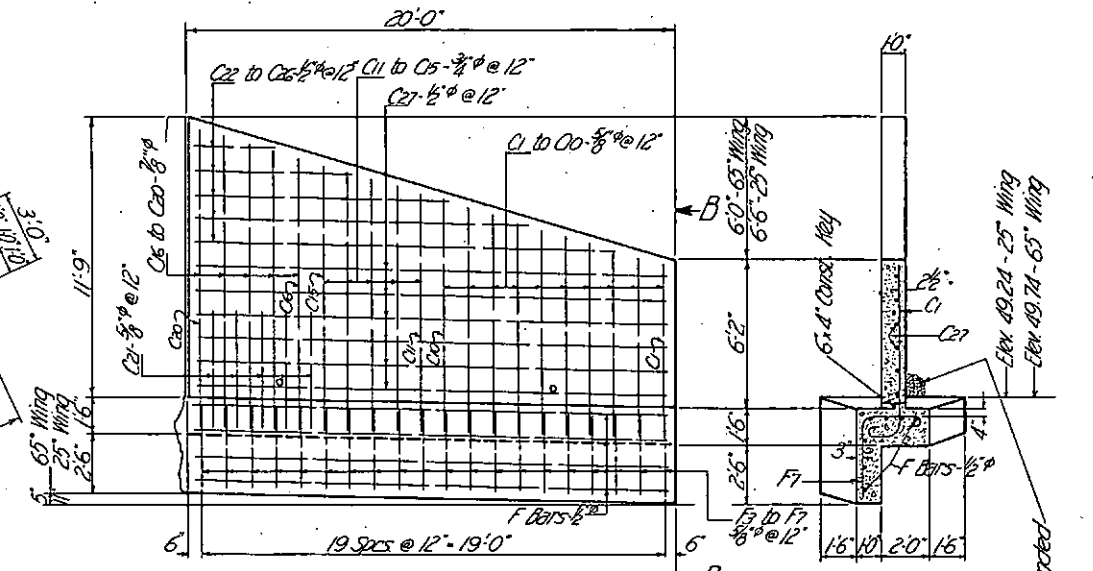


TYPICAL SECTION THRU BOX



PLAN

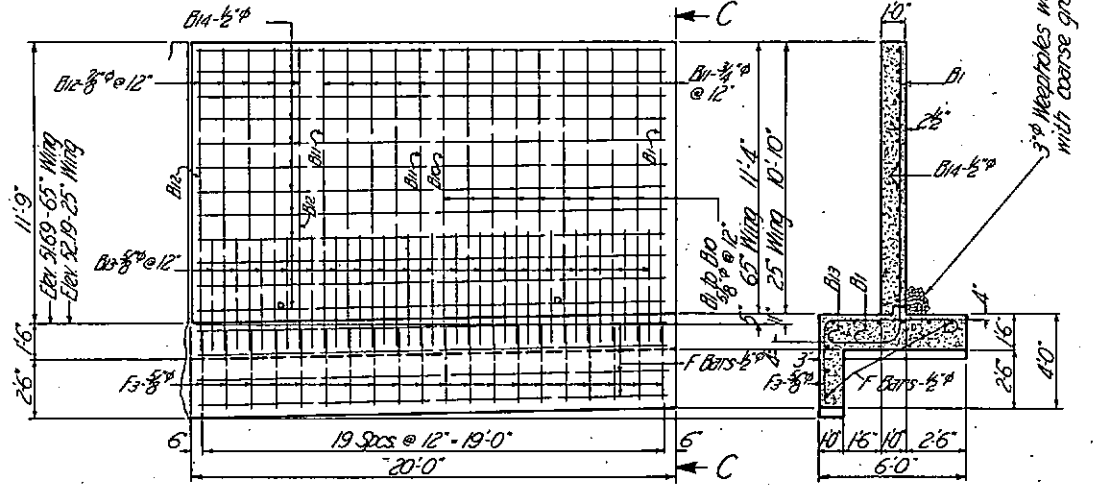
SECTION A-A



ELEVATION 65° WING
Reverse for 25° Wing

SECTION B-B

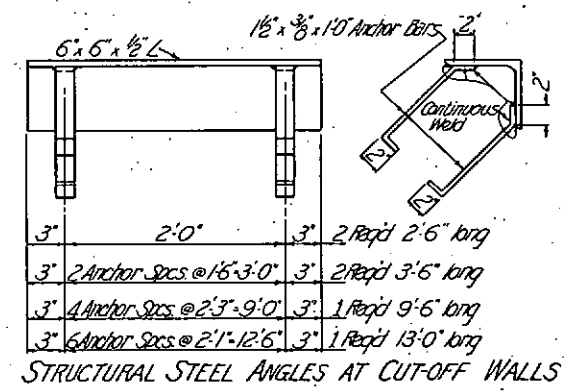
DETAILS OF DOWNSTREAM WINGS



ELEVATION 65° WING
Reverse for 25° Wing

SECTION C-C

DETAILS OF UPSTREAM WINGS



STRUCTURAL STEEL ANGLES AT CUT-OFF WALLS

REFERENCE DRAWING
For General Layout, General Notes,
Bar List, & Summary of Quantities,
see SHEET No. 7

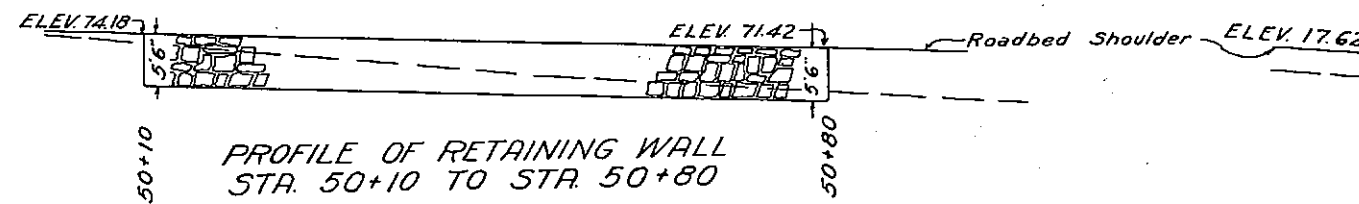
COLORADO
STATE HIGHWAY DEPARTMENT
SPECIAL
10' x 10'
CONCRETE BOX CULVERT

Across WASH
Sta. 1245+92
Near PLACERVILLE Sec. 28 T. 45N R. 12W

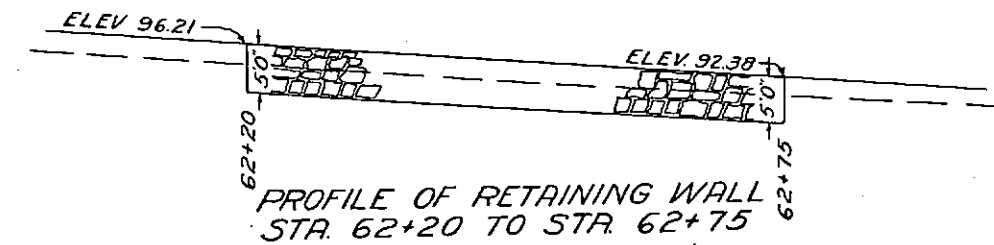
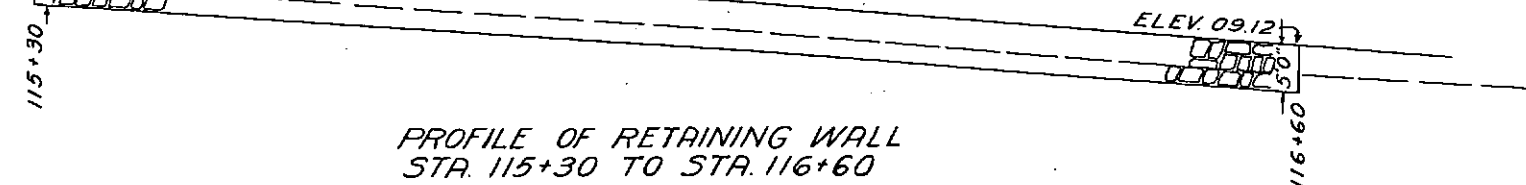
Designed by A.D.N. Approved by P. J. Bailey
Made by C.B.M. Bridge Engineer
Checked by Date: 9/1/10 1910

DETAILS AND LAYOUTS FOR CEMENT RUBBLE RETAINING WALLS

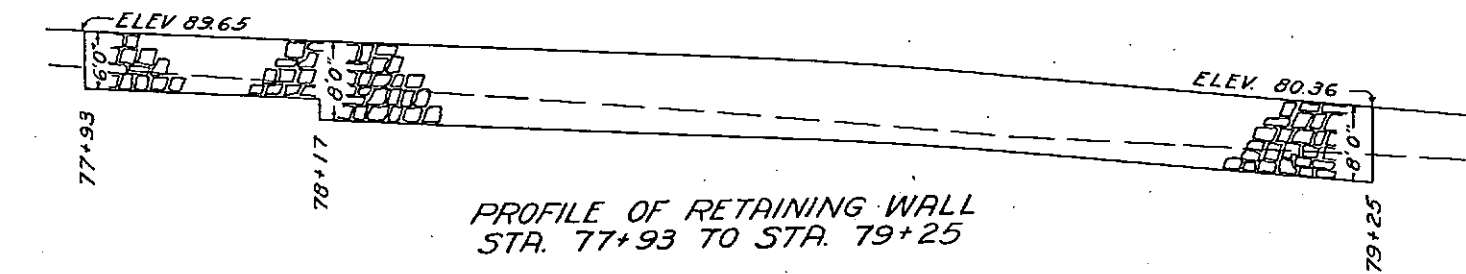
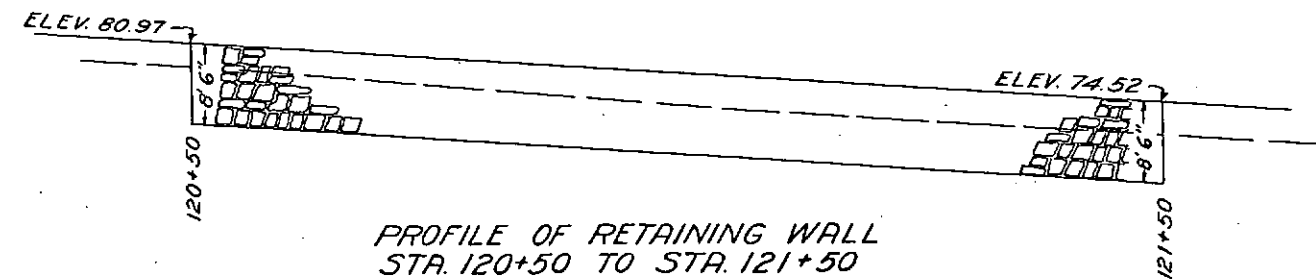
FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	E.A.P. 103 D (1) F.L.H.P. 5 B (1)	9	



PROFILE OF RETAINING WALL
STA. 115+30 TO STA. 116+60

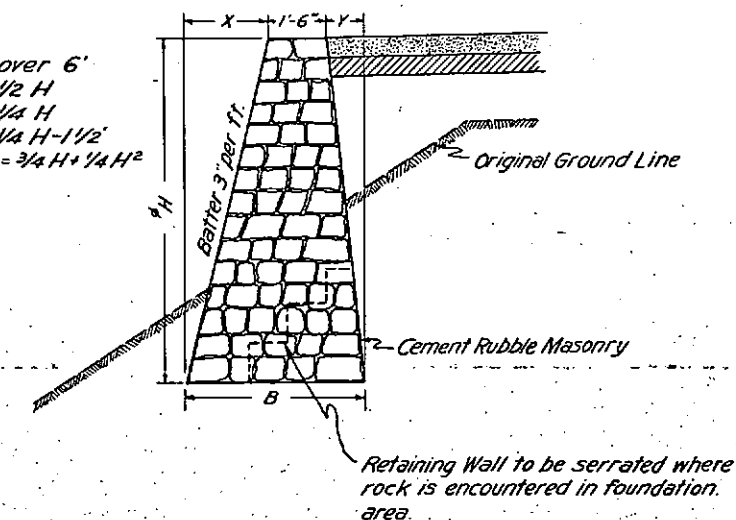


PROFILE OF RETAINING WALL
STA. 120+50 TO STA. 121+50

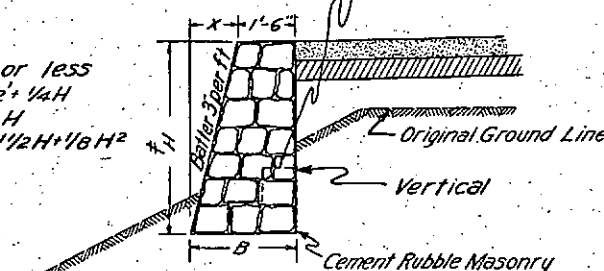


GENERAL PLAN OF RETAINING WALLS

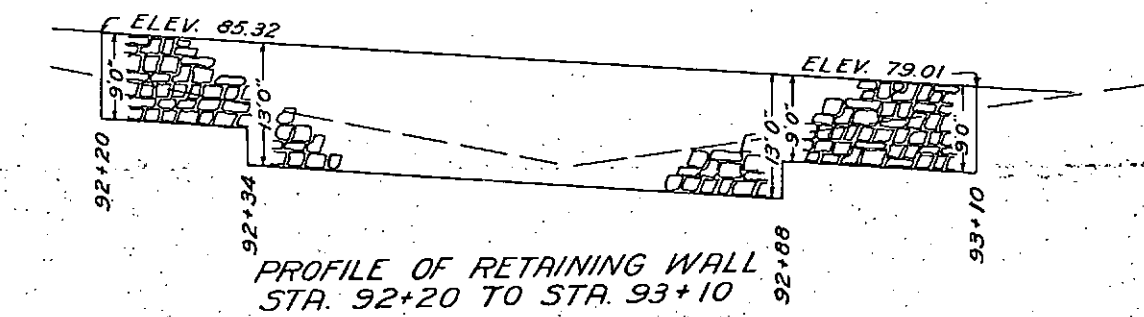
$$\begin{aligned}
 H &= \text{over } 6' \\
 B &= \frac{1}{2} H \\
 X &= \frac{1}{4} H \\
 Y &= \frac{1}{4} H - 1\frac{1}{2}' \\
 \text{Area} &= \frac{3}{4} H + \frac{1}{4} H^2
 \end{aligned}$$



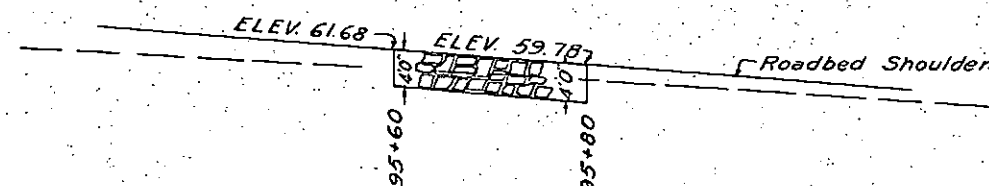
$$\begin{aligned}
 H &= 6' \text{ or less} \\
 B &= 1\frac{1}{2} + \frac{1}{4} H \\
 X &= \frac{1}{4} H \\
 \text{Area} &= 1\frac{1}{2} H + \frac{1}{8} H^2
 \end{aligned}$$



NOTE:
Retaining walls designated on plans for this project are to be eliminated during construction where embankment slopes adjacent to such areas can be stabilized by the use of heavy rock fills.



PROFILE OF RETAINING WALL
STA. 95+60 TO STA. 95+80



NOTE: Alignment and Grades as shown are subject to modification during construction after approval by the Denver office. All poles encroaching on the construction are to be moved by the owners. R.O.W. markers are tabulated on sheet No. 3. Wire Cable Guard Fence and Timber Guard Posts are tabulated on sheet No. 4. Fencing requirements are tabulated on sheet No. 6. Intercepting ditches shall be placed on light grades following the ground contour and where possible shall be so constructed that the direction of flow will be away from the roadway in order to spread runoff and thereby avoid erosion.

SW 1/4, S.E. 1/4, SEC. 24
T. 45 N., R. 13 W.

S.E. 1/4, S.E. 1/4, SEC. 24
T. 45 N., R. 13 W.

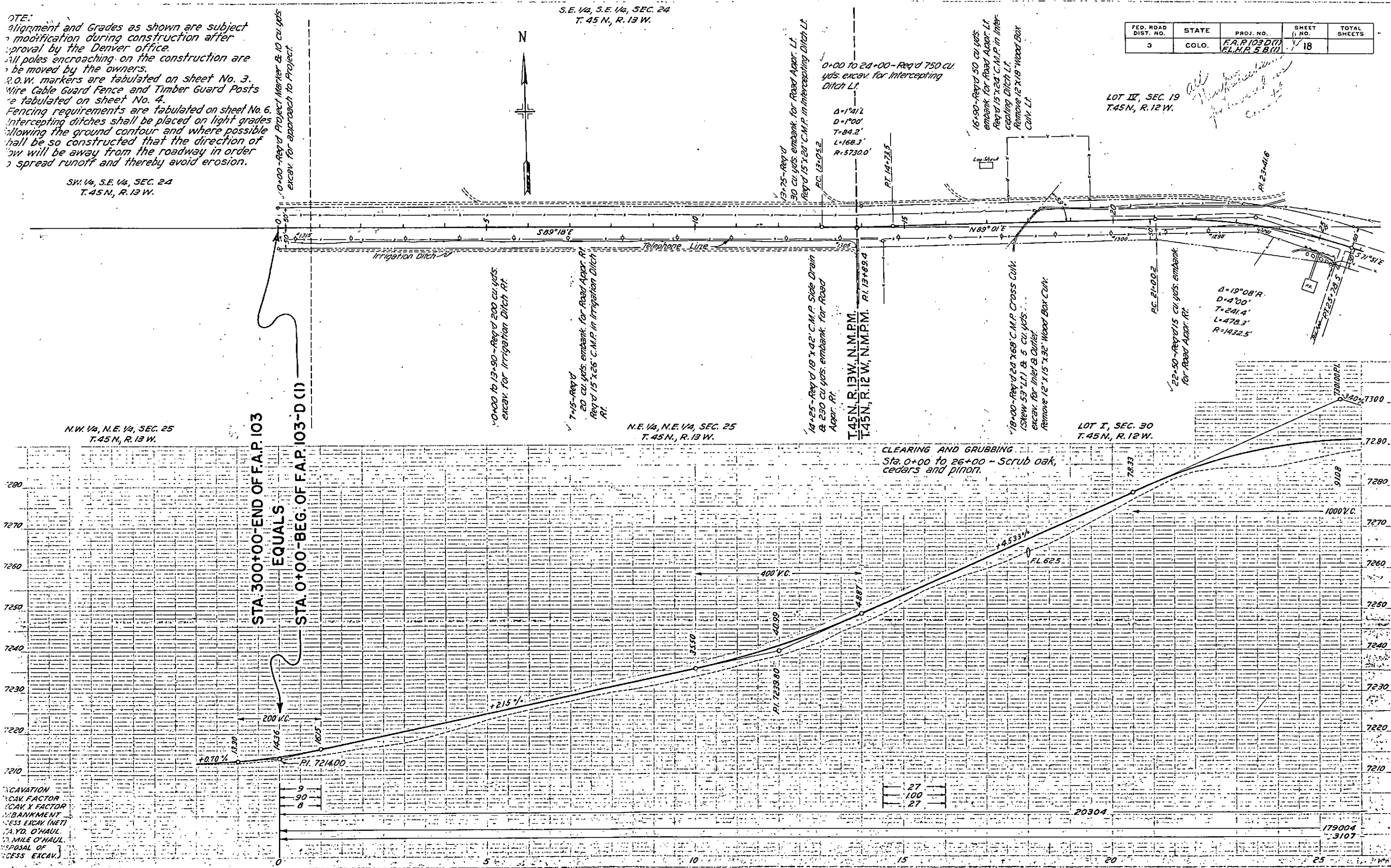
FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	F.A.P. 103 D(1) FL.H.P. 5 B(1)	18	

LOT II, SEC. 19
T. 45 N., R. 12 W.

N.W. 1/4, N.E. 1/4, SEC. 25
T. 45 N., R. 13 W.

N.E. 1/4, N.E. 1/4, SEC. 25
T. 45 N., R. 13 W.

LOT I, SEC. 30
T. 45 N., R. 12 W.



EXCAVATION
EXCAV. FACTOR
EXCAV. X FACTOR
BANKMENT
EXCESS EXCAV. (NET)
C.Y. O'HAIL
MILE O'HAIL
DISPOSAL OF
EXCESS EXCAV.

CLEARING AND GRUBBING
Sta. 0+00 to 26+00 - Scrub oak,
cedars and pinon.

$\Delta = 19^{\circ}08'R$
 $D = 4^{\circ}00'$
 $T = 241.4'$
 $L = 478.3'$
 $R = 1432.5'$

$\Delta = 1^{\circ}41'L$
 $D = 1^{\circ}00'$
 $T = 84.2'$
 $L = 168.3'$
 $R = 5730.0'$

16+50 - Req'd 50 cu yds.
embank for Road Appro. Lt.
Req'd 15' x 24' C.M.P. in Inter-
cepting Ditch Lt.
Remove 12' x 18' Wood Box
Culv. Lt.

13+25 - Req'd
30 cu yds. embank for Road Appro. Lt.
Req'd 15' x 24' C.M.P. in Intercepting Ditch Lt.

14+25 - Req'd 18' x 42' C.M.P. Side Drain
& 230 cu yds. embank for Road
Appro. Rt.
T. 45 N., R. 13 W., N.M.P.M.
T. 45 N., R. 12 W., N.M.P.M.

18+00 - Req'd 24' x 68' C.M.P. Cross Culv.
(Shew 53' L.I.) & 5 cu yds.
excav. for Inlet & Outlet.
Remove 12' x 15' x 32' Wood Box Culv.

22+50 - Req'd 15 cu yds. embank
for Road Appro. Rt.

STA. 300+00 - END OF F.A.P. 103
EQUALS
STA. 0+00 - BEG. OF F.A.P. 103-D (1)

179004
3107

25+05-Req'd 20 cu yds. embank.
for Water Appor. Rt.

27+39-Req'd 40 cu yds. embank.
for Road Appor. Rt.

25+59-Req'd 80 cu yds.
embank. for Road Appor.
Rt.

LOT IV, SEC. 19,
T. 45N, R. 12W.

28+12-Req'd 30 cu yds. embank.
for Road Appor. Lt.

33+25-Req'd 650 cu yds. embank.
for Road Appor. Rt. (Embank. to be
obtained from excess excav.)

35+00-Req'd 24'x90' C.M.P. Cross
Culv. (Intercept Hdwl. & 10 cu yds.
excav. for Inlet)

FORCE ACCOUNT
25+ to 41+ - Remove and Rebuild
telephone line. (Work to be done by
telephone company forces)

36+00 to 40+00 - Req'd 120 cu yds.
excav. for Intersecting Ditch Lt.

40+00-Req'd 24'x70' C.M.P. Cross Culv. (Intercept Hdwl.
& 15 cu yds. excav. for Inlet & Outlet.
Excavated Material to be used to build
Dike Rt.)

40+00 to 47+00-Req'd 210 cu
yds. excav. for Intersecting
Ditch Lt.

S.E. 1/4, S.W. 1/4 SEC. 19,
T. 45N, R. 12W.

PI. 48+63.2
ANGLE LINE
Δ=56°32'R

PI. 46+93.2
ANGLE LINE
Δ=18°18'R

PI. 50+02.0
ANGLE LINE
Δ=32°57'R

PI. 53+58.9
ANGLE LINE
Δ=72°00'R

PI. 53+76.6
ANGLE LINE
Δ=23°51'L

PI. 55+92.7
ANGLE LINE
Δ=23°51'L

PI. 57+18.3
ANGLE LINE
Δ=18°00'

PI. 58+13.7
ANGLE LINE
Δ=18°00'

PI. 59+13.7
ANGLE LINE
Δ=18°00'

PI. 60+13.7
ANGLE LINE
Δ=18°00'

PI. 61+13.7
ANGLE LINE
Δ=18°00'

PI. 62+13.7
ANGLE LINE
Δ=18°00'

PI. 63+13.7
ANGLE LINE
Δ=18°00'

PI. 64+13.7
ANGLE LINE
Δ=18°00'

PI. 65+13.7
ANGLE LINE
Δ=18°00'

PI. 66+13.7
ANGLE LINE
Δ=18°00'

PI. 67+13.7
ANGLE LINE
Δ=18°00'

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	F.A.P. 103 D(1) FL.H.P. 58(1)	19	

50+10 to 50+80-Req'd 32 cu. yds. Cement
Rubble Masonry for Retaining Wall Lt. as per
details shown on Sheet No. 9

51+00-Req'd 24'x42' C.M.P. Cross Culv.
& 70 cu yds. excav. for Inlet. (Intercept.
Hdwl.)

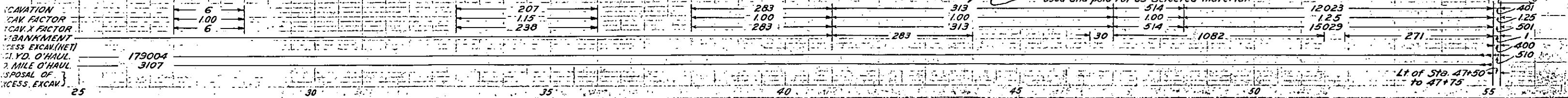
53+20-Remove 18'x30' C.M.P.

54+90-Req'd 24'x44' C.M.P. Cross Culv.
(Intercept. Hdwl.) & 120 cu yds. excav.
for Inlet.

S.W. 1/4 SE. 1/4, SEC. 19,
T. 45N, R. 12W.

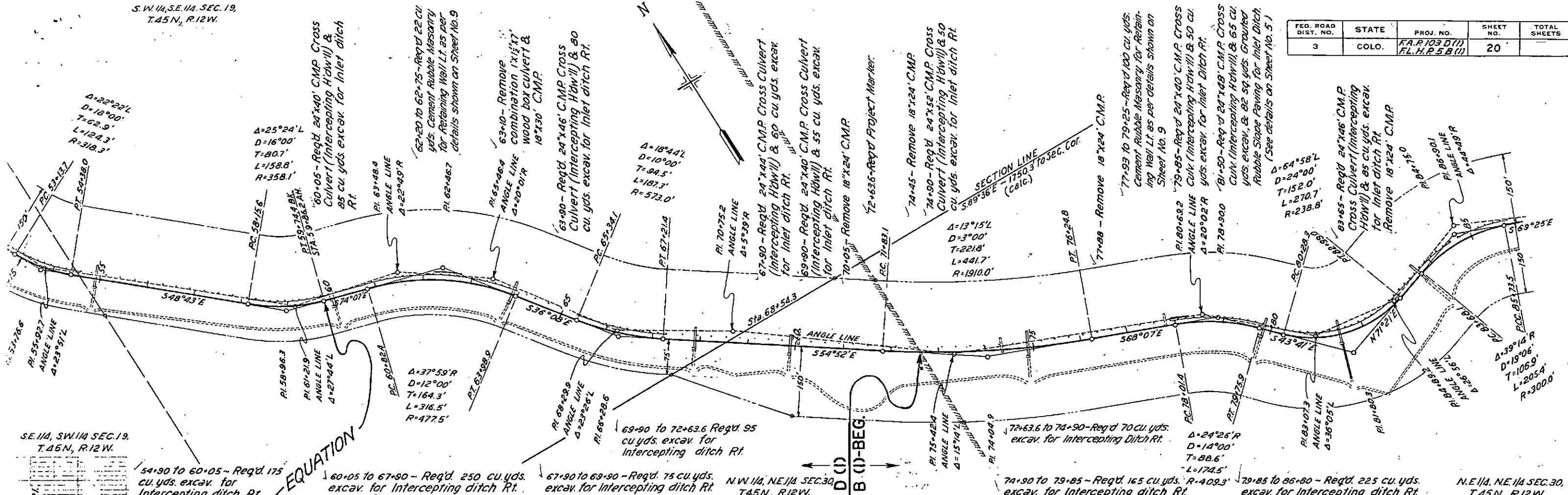
CLEARING AND GRUBBING
Sta. 26+00 to 48+00 - Scrub oak,
cedars and pinon.
Sta. 48+00 to 56+00 - Scrub pinon
cedars and oak brush.
Sta. 31+00 to 37+00 - Heavy clearing.

Total does not include 5552 cu. yds. excavation
within prism Sta. 41+00 to Sta. 47+00 which is to be
used and paid for as selected material.

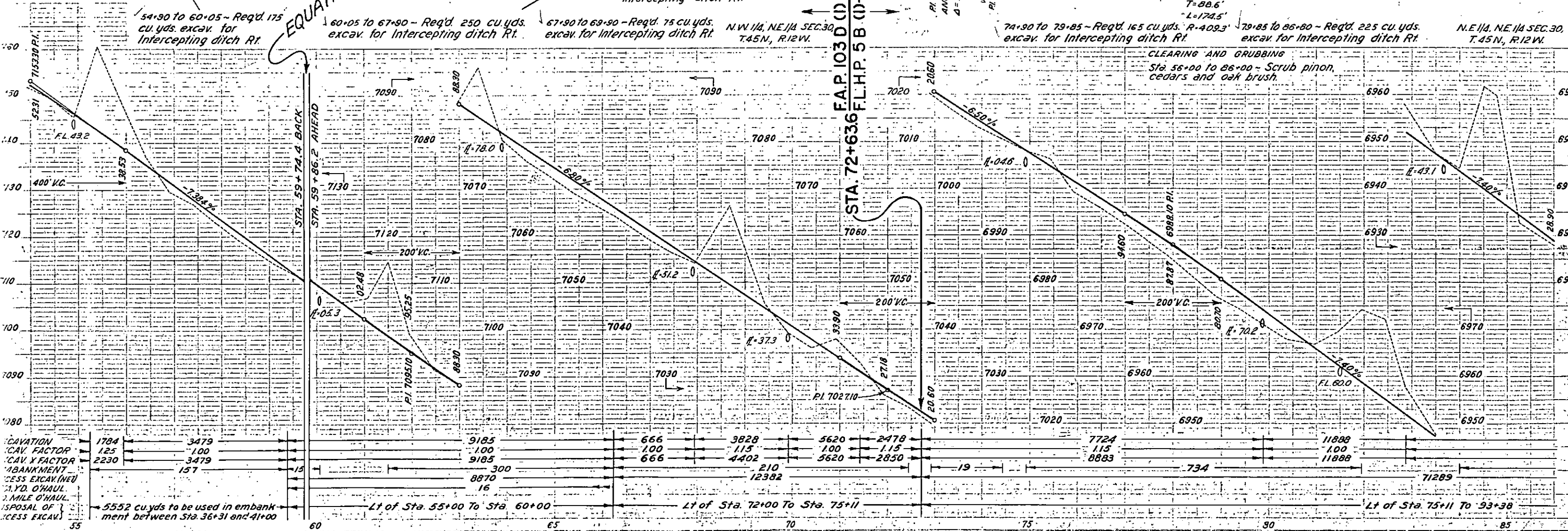


S.W. 1/4, S.E. 1/4, SEC. 19,
T.45N, R.12W.

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	F.A.P. 103 D (1) F.L.H.P. 5 B (1)	20	



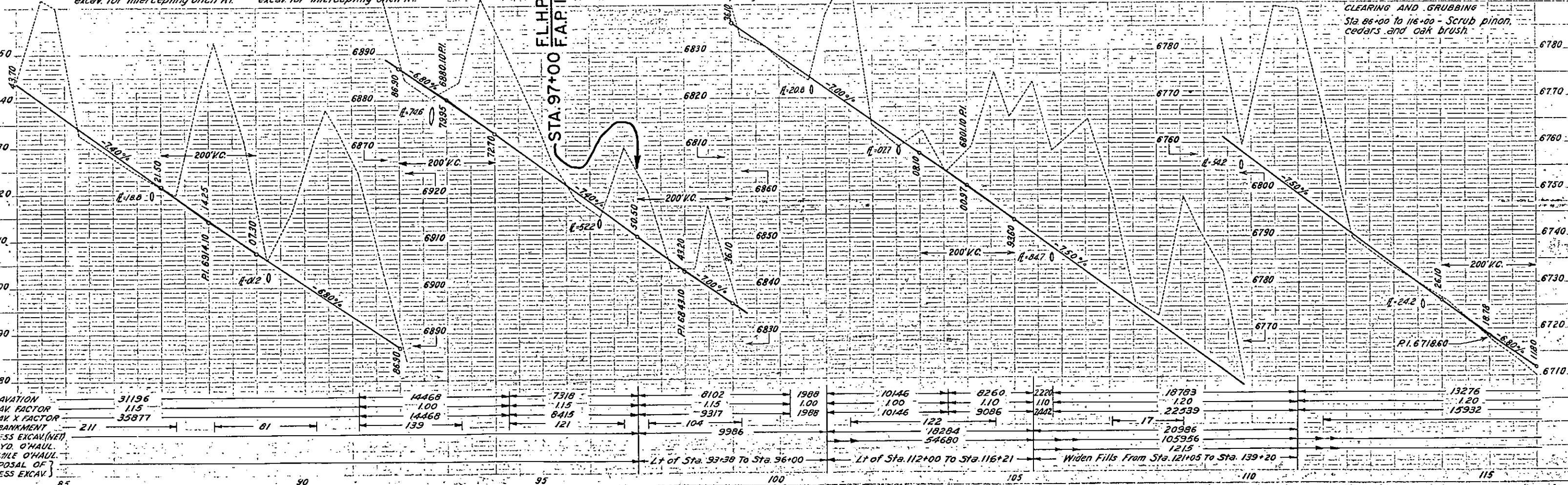
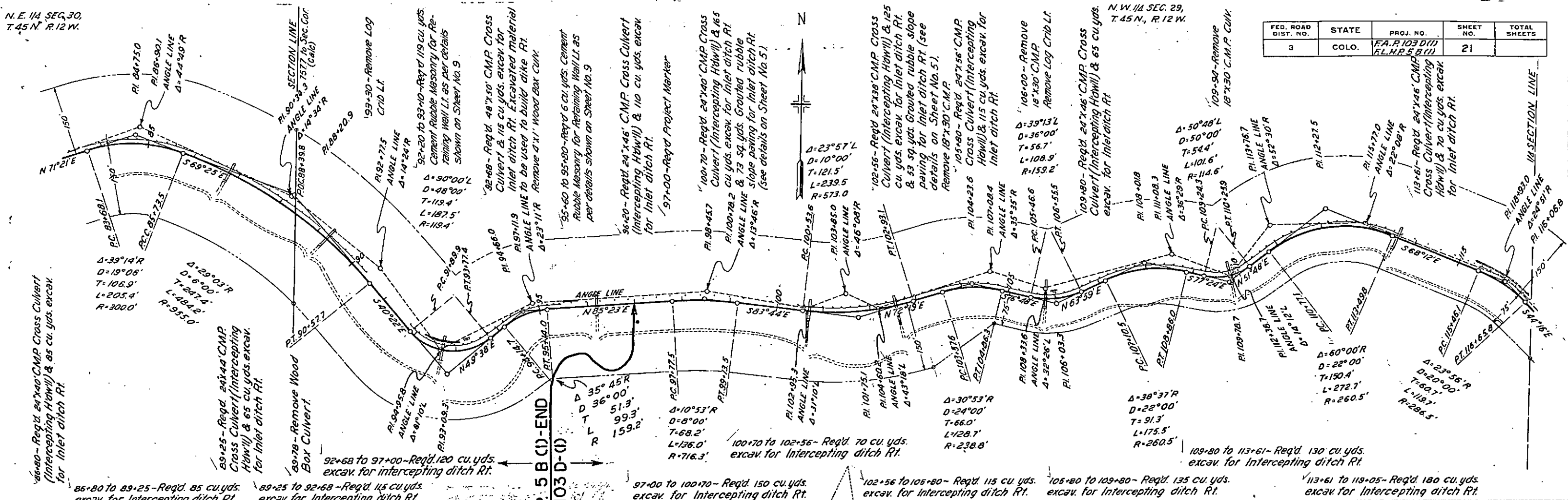
S.E. 1/4, S.W. 1/4 SEC. 19,
T.45N, R.12W.

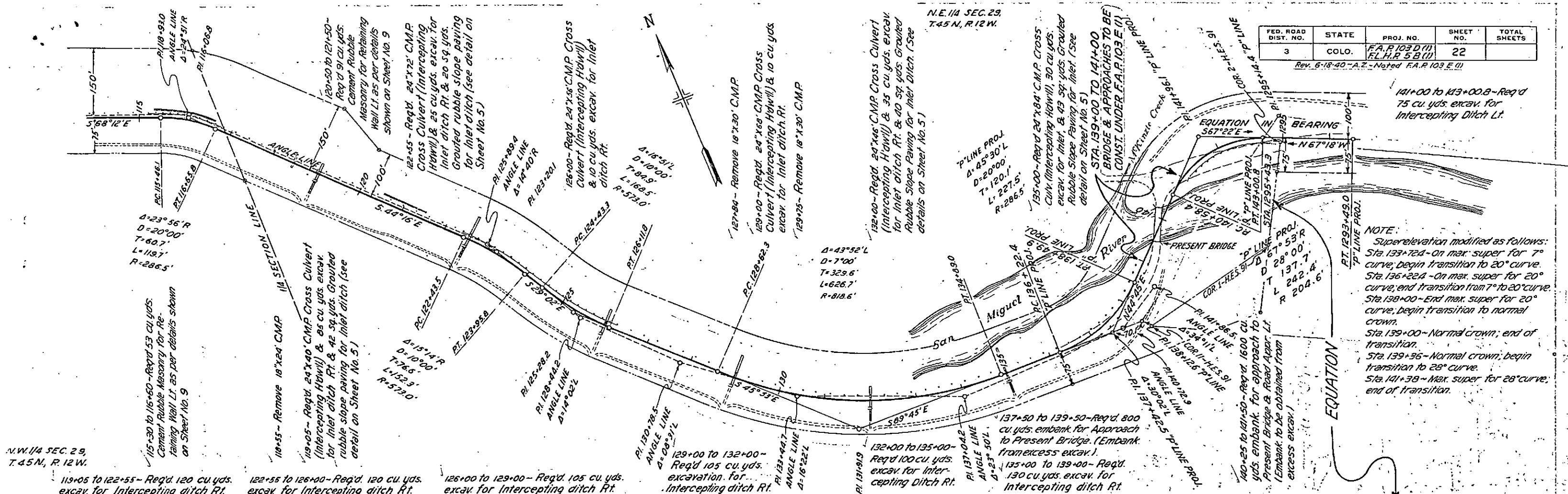


N.E. 1/4 SEC. 30,
T.45 N. R.12 W.

N.W. 1/4 SEC. 29,
T.45 N. R.12 W.

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	F.A.R. 103 D(1) F.L.H.P. 5 B (1)	21	

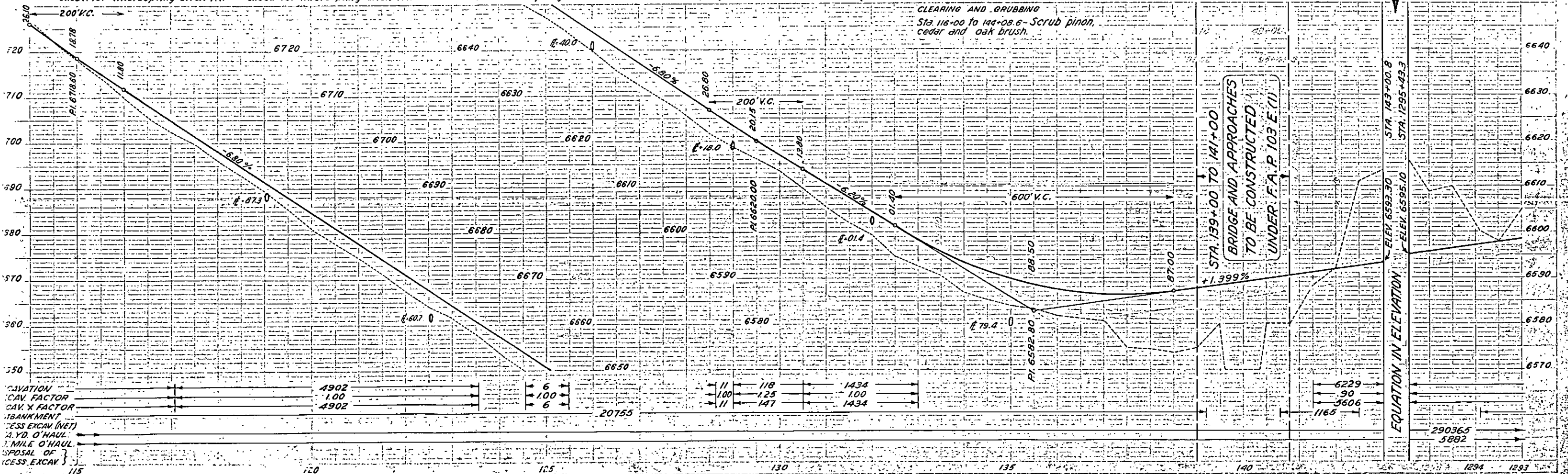




FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	F.A.R. 103 D (11) F.L.H.R. 5 B (11)	22	

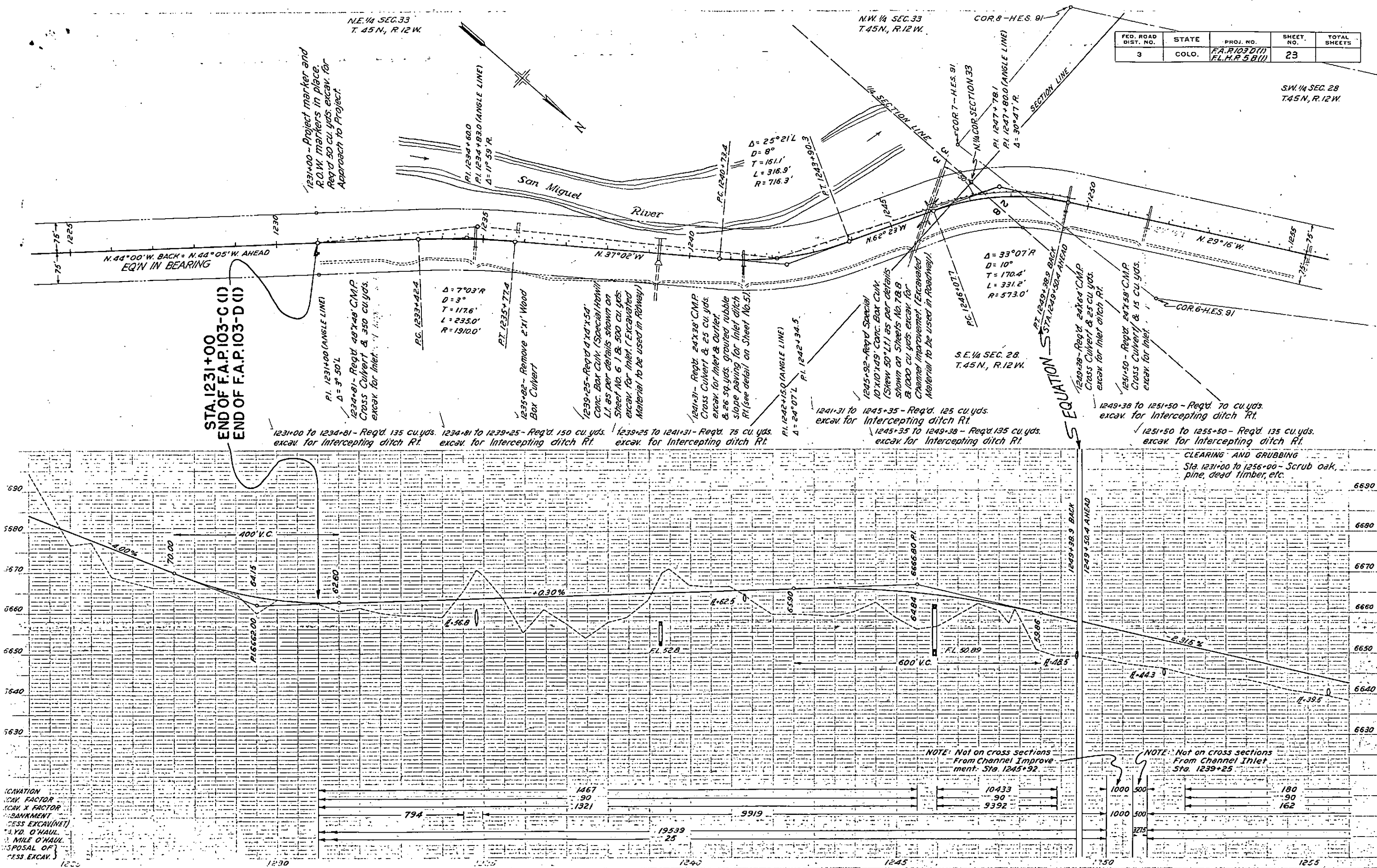
Rev. 6-18-40 - A.Z. - Noted F.A.R. 103 E (1)

NOTE:
 Superelevation modified as follows:
 Sta. 133+72.4 - On max. super for 7° curve; begin transition to 20° curve.
 Sta. 136+22.4 - On max. super for 20° curve; end transition from 7° to 20° curve.
 Sta. 138+00 - End max. super for 20° curve; begin transition to normal crown.
 Sta. 139+00 - Normal crown; end of transition.
 Sta. 139+36 - Normal crown; begin transition to 28° curve.
 Sta. 141+38 - Max. super for 28° curve; end of transition.

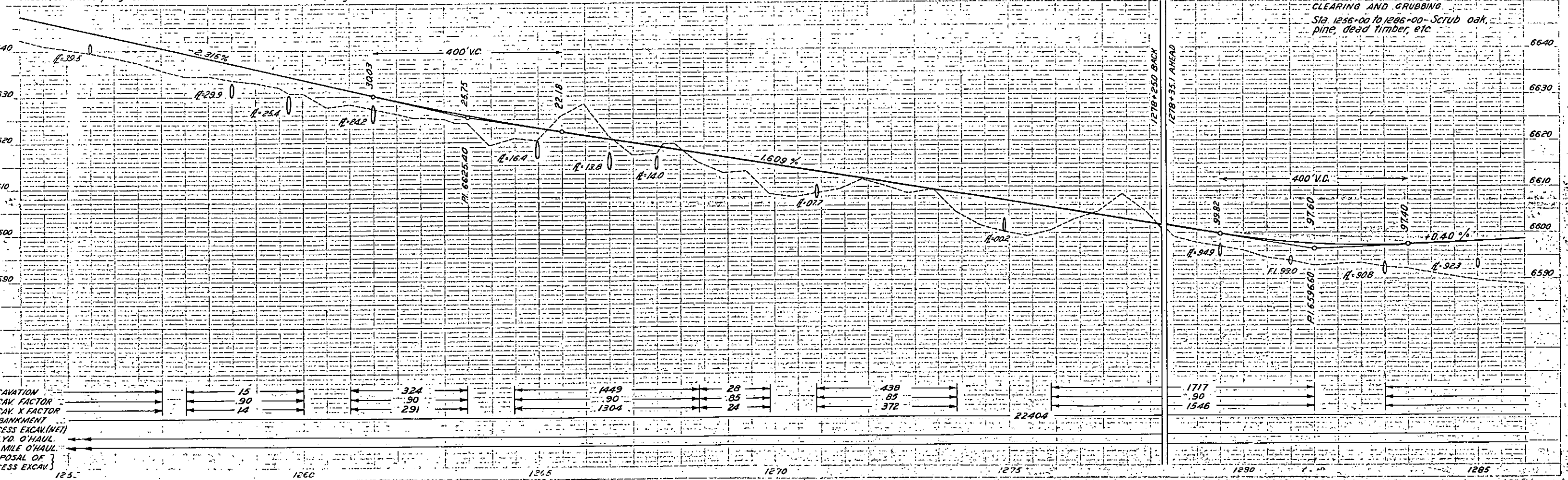
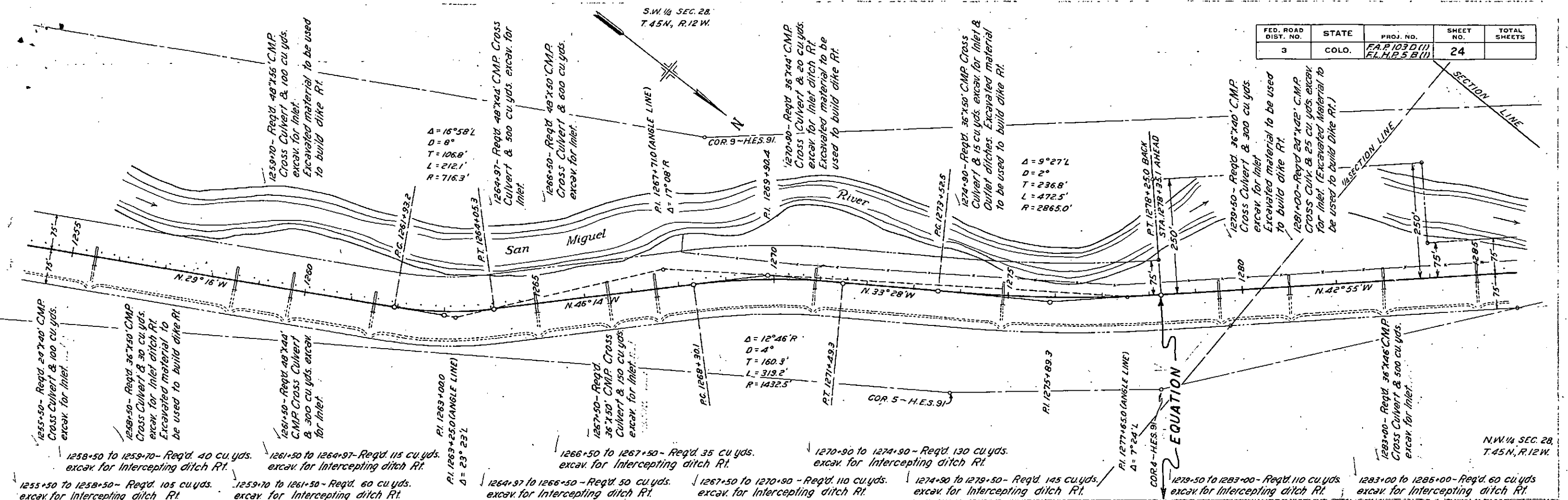


FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	F.A.P.103-D(1) FL.H.P.5-B(1)	23	

SW 1/4 SEC. 28
T.45N, R.12W.



FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	F.A.P. 103 D (1) E.L.H.P. 5 B (1)	24	

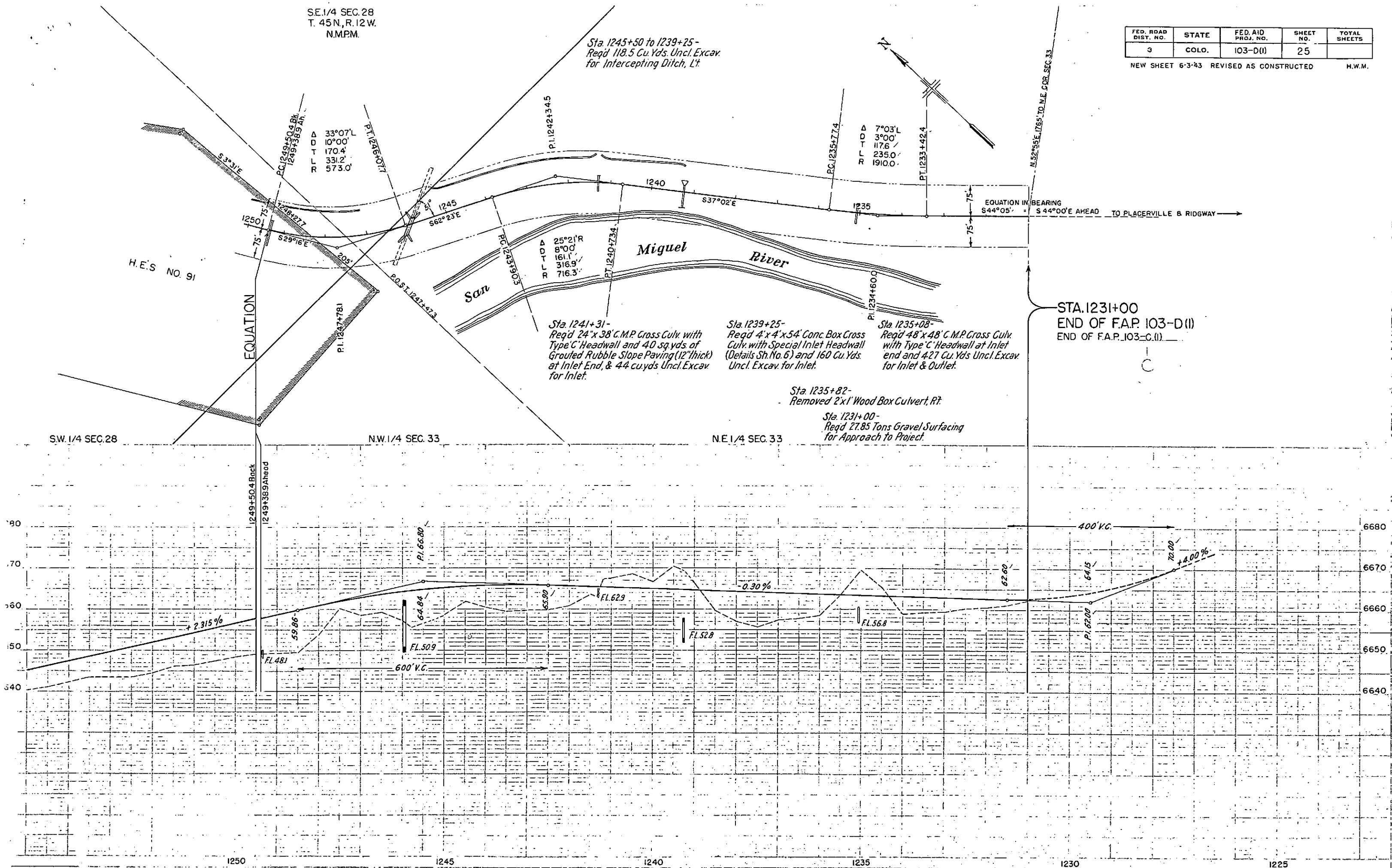


SE 1/4 SEC. 28
T. 45 N., R. 12 W.
N.M.P.M.

Sta. 1245+50 to 1239+25 -
Req'd 118.5 Cu. Yds. Uncl. Excav.
for Intercepting Ditch, L't.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	103-D(1)	25	

NEW SHEET 6-3-43 REVISED AS CONSTRUCTED H.W.M.



SW 1/4, S.E. 1/4, SEC. 24
T.45N., R.13 W.

R.O.W. Markers are tabulated on Sheet No. 3
Wire Cable Guard Fence is tabulated on Sheet No. 4
Timber Guard Posts are tabulated on Sheet No. 4
Fencing is tabulated on Sheet No. 6

S.E. 1/4, S.E. 1/4, SEC. 24
T.45N., R.13 W.
N.M.P.M.

Sta 16+90-
Req'd 15'x24' C.M.P. Side Drain &
23 cu yds Embank. for Road Approach, Lt.
Removed 12'x18' Wood Box Culvert.

FED. ROAD DIST. NO.	STATE	FED. AID. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	103-D (1)	18	

NEW SHEET 6-3-43 REVISED AS CONSTRUCTED H.W.M.

LOT IV, SEC. 19
T.45N., R.12 W.

Sta 18+25-24+00-
Req'd 55.6 cu yds Uncl. Excav.
for ditch change, Lt.

Sta 18+20-
Req'd 24'x66' C.M.P. Cross Culvert &
44.4 cu yds Uncl. Excav. for Inlet Ditch.

Sta 18+00- Removed 12'x15'x32' Wood
Box Culvert.

LOG SHACK

PI. 23+41.6

Δ 19°08' RT.
D 4°00'
T 241.4'
L 478.3'
R 1432.5'

Sta 25+59-
Req'd 14 cu yds Embank.
for Road Approach, Rt.

Sta 25+05-
Req'd 8 cu yds Embank. for
Walk Approach, Rt.

STA. 0+00
BEGINNING OF FAP 103-D (1)
EQUALS STA. 300+00 END OF FAP 103.

Sta 0+00-
Req'd Project Marker, Rt. and
Approach to Project.

Sta 7+15-
Req'd 15'x26' C.M.P. Side drain &
12 cu yds Embank. for Road Approach, Rt.

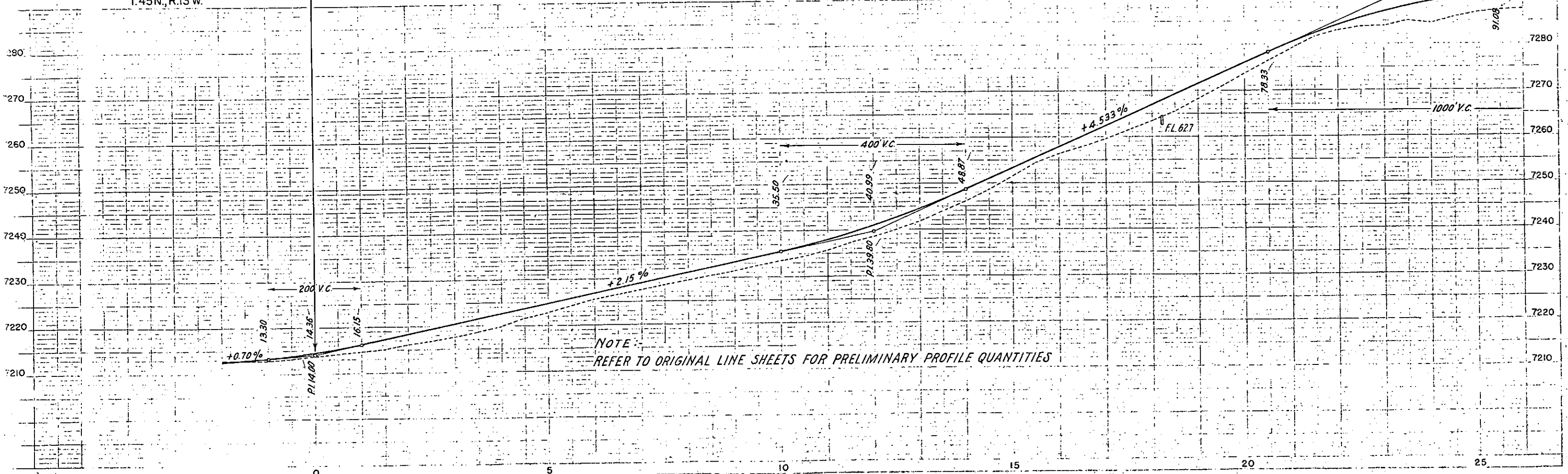
Sta 0+43-13+90-
Req'd 116.9 cu yds Uncl. Excav.
for ditch change, Rt.

Sta 14+25-
Req'd 18'x42' C.M.P. Side Drain &
234 cu yds Embank. for Road Approach, Rt.

N.W. 1/4, N.E. 1/4, SEC. 25
T.45N., R.13 W.

N.E. 1/4, N.E. 1/4, SEC. 25
T.45N., R.13 W.

LOT I, SEC. 30
T.45N., R.12 W.

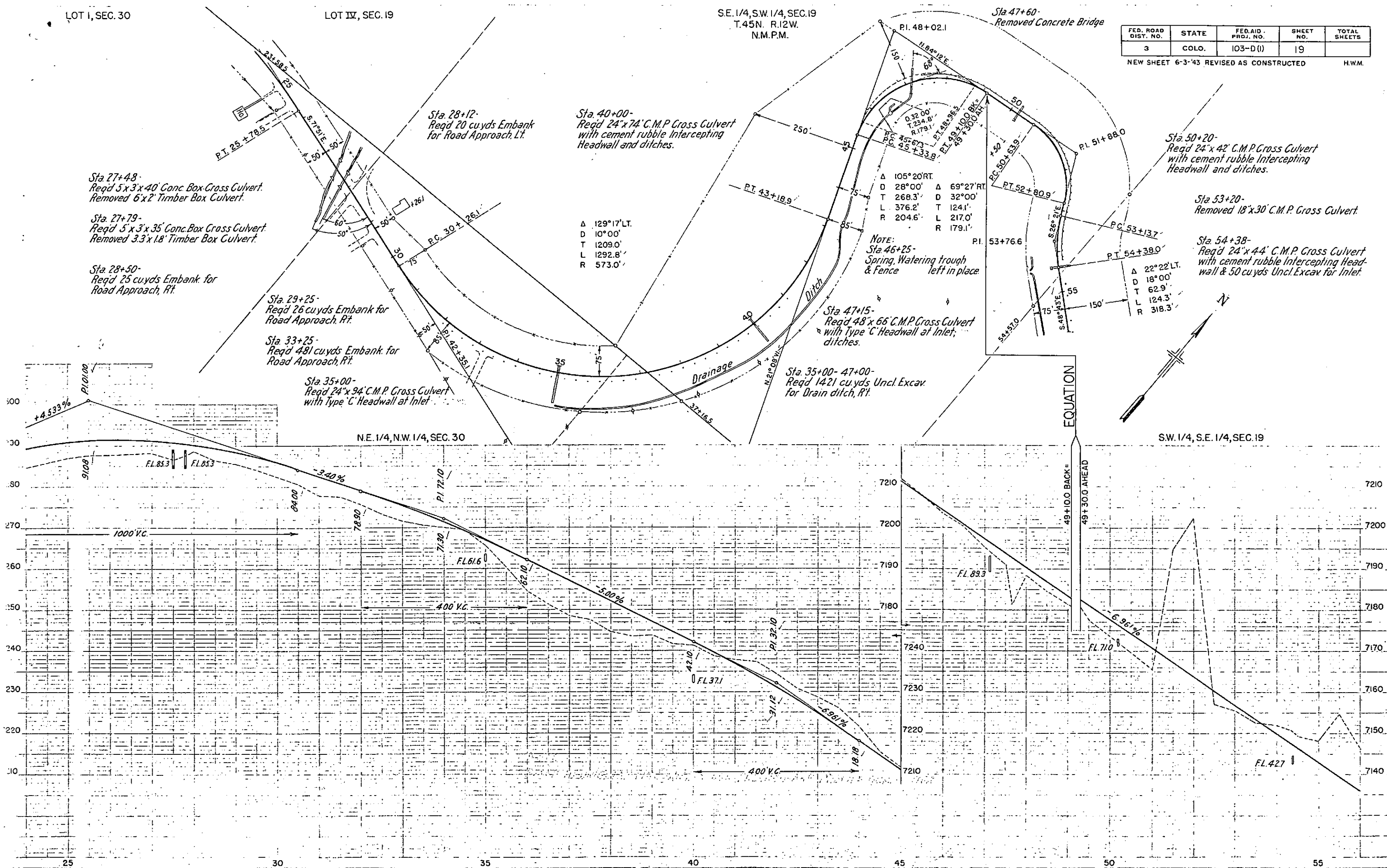


LOT I, SEC. 30

LOT IV, SEC. 19

SE. 1/4, SW. 1/4, SEC. 19
T. 45N. R. 12W.
N.M.P.M.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	103-D(1)	19	
NEW SHEET 6-3-43 REVISED AS CONSTRUCTED				H.W.M.

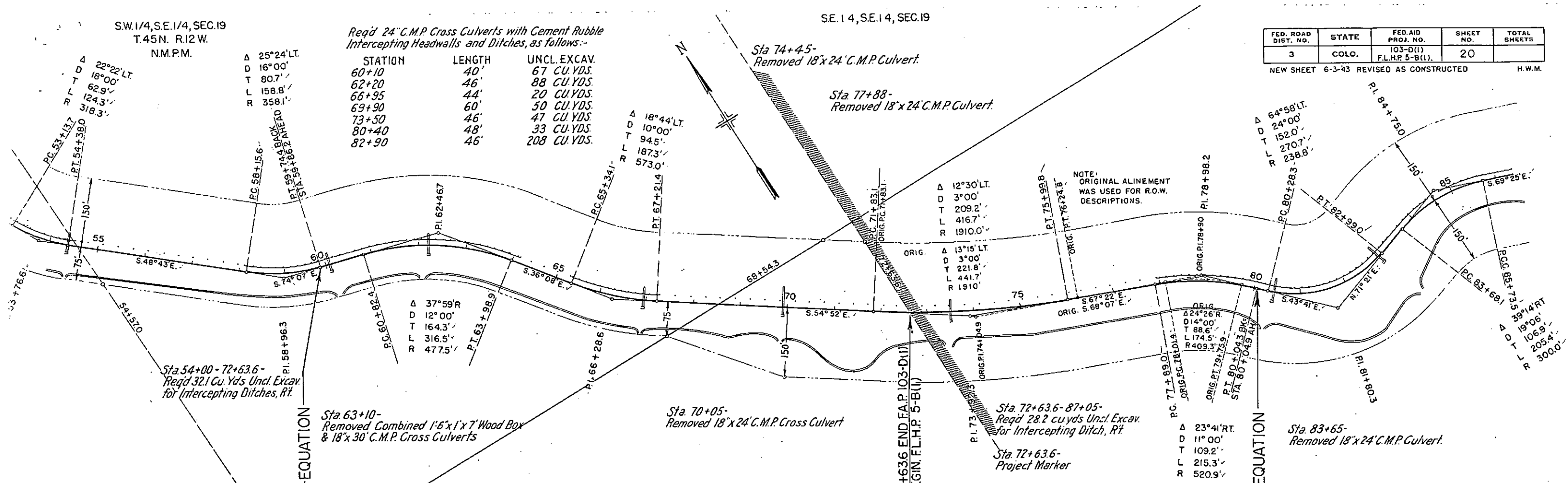


SW 1/4, S.E. 1/4, SEC. 19
T. 45N. R. 12W.
N.M.P.M.

SE. 1/4, S.E. 1/4, SEC. 19

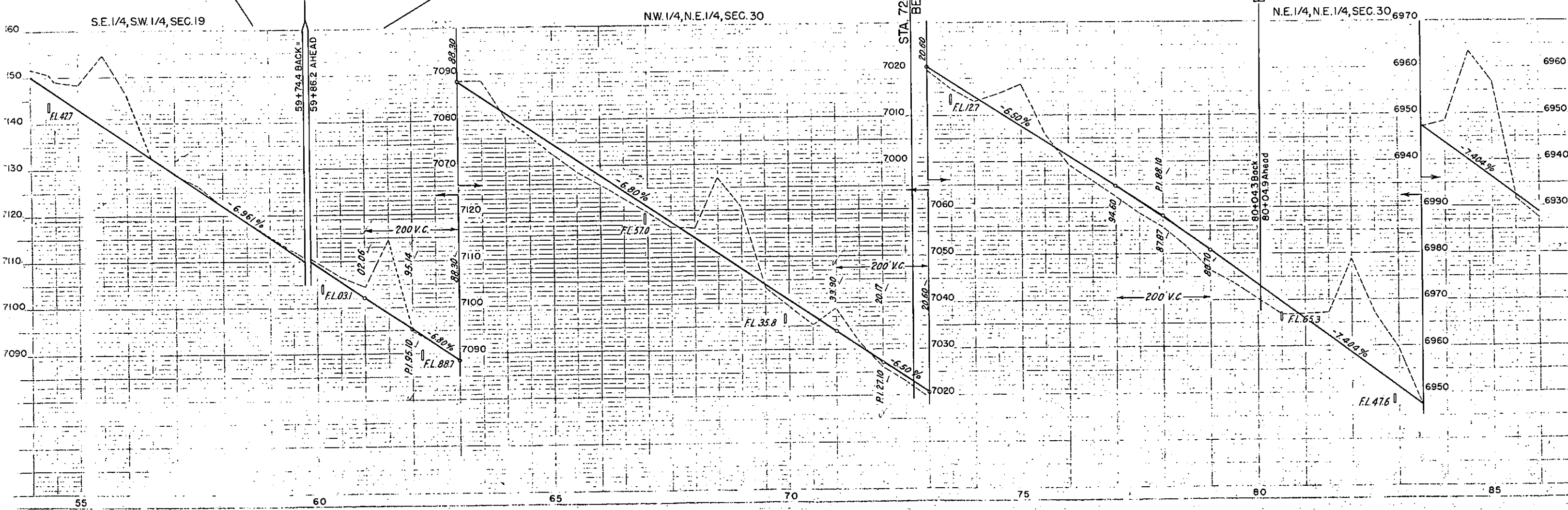
Req'd 24" C.M.P. Cross Culverts with Cement Rubble
Intercepting Headwalls and Ditches, as follows:-

STATION	LENGTH	UNCL. EXCAV.
60+10	40'	67 CU. YDS.
62+20	46'	88 CU. YDS.
66+95	44'	20 CU. YDS.
69+90	60'	50 CU. YDS.
73+50	46'	47 CU. YDS.
80+40	48'	33 CU. YDS.
82+90	46'	208 CU. YDS.



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	103-D(1) F.L.H.P. 5-B(1)	20	

NEW SHEET 6-3-43 REVISED AS CONSTRUCTED H.W.M.



NW 1/4, NW 1/4, SEC. 29
T. 45N, R. 12W, N.M.P.M.

NE 1/4, NW 1/4, SEC. 29

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	FAP 103-D(II) FLHP 5-B(II)	21	
NEW SHEET 6-3-43 REVISED AS CONSTRUCTED				H.W.M.

Reg'd 24" C.M.P. Culverts with Inlets & Cement Rubble
Intercepting Headwalls, as follows:-

STATION	LENGTH	UNCL. EXCAV.
87+05	40'	160 Cu. Yds.
95+82	46'	53 " "
100+44	40'	44 " "
102+50	38'	- " "
106+00	56'	317 " "
109+90	72'	44 " "
113+70	46'	- " "

Sta 102+56-
Removed 18"x30' C.M.P. Culvert.

Sta 106+00-
Removed 18"x30' C.M.P. Cross Culv.
& removed Log Crib, Lt.

Sta 109+94-
Removed 18"x30' C.M.P.
Cross Culvert.

Sta 93+30-
Removed Log Crib, Lt.

NOTE:
ORIGINAL ALINEMENT WAS USED
FOR R.O.W. DESCRIPTIONS

Sta 89+25-
Reg'd 24"x44' C.M.P. Cross Culvert
with Type 'C' Headwall and 267 cu. yds
Unclassified Excav. for Inlet.

Sta 87+05-96+86.6-
Reg'd 26.7 Cu. Yd. Uncl. Excavation
for Intercepting Ditch, Rt.

Sta 89+78-
Removed Wood Box
Culvert.

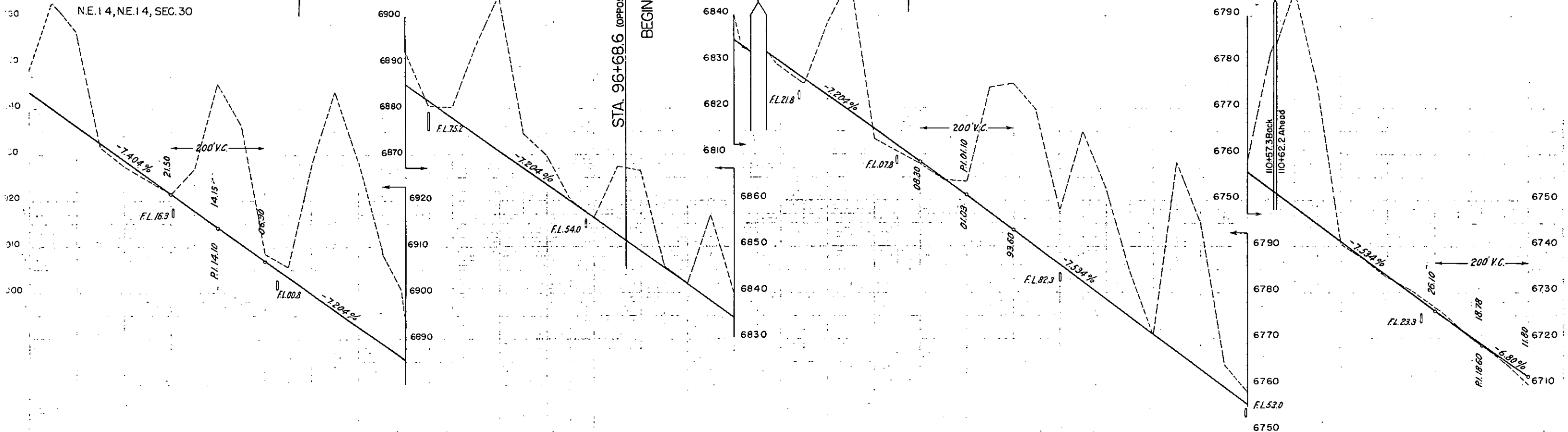
Sta 92+50-
Reg'd 48"x66' C.M.P. Cross Culv.
with Type 'C' Headwall & 30
cu. yds. Uncl. Excav. for Inlet
and Dike.

Sta 92+68-
Removed 4'x1' Wood
Box Culvert.

Sta 96+68.6-
Reg'd Project
Marker, Rt.

Sta 96+86.6 to 112+20-
Reg'd 25.8 cu. yds. Uncl. Excav. for
Intercepting Ditch, Rt.

NE 1/4, NE 1/4, SEC. 30



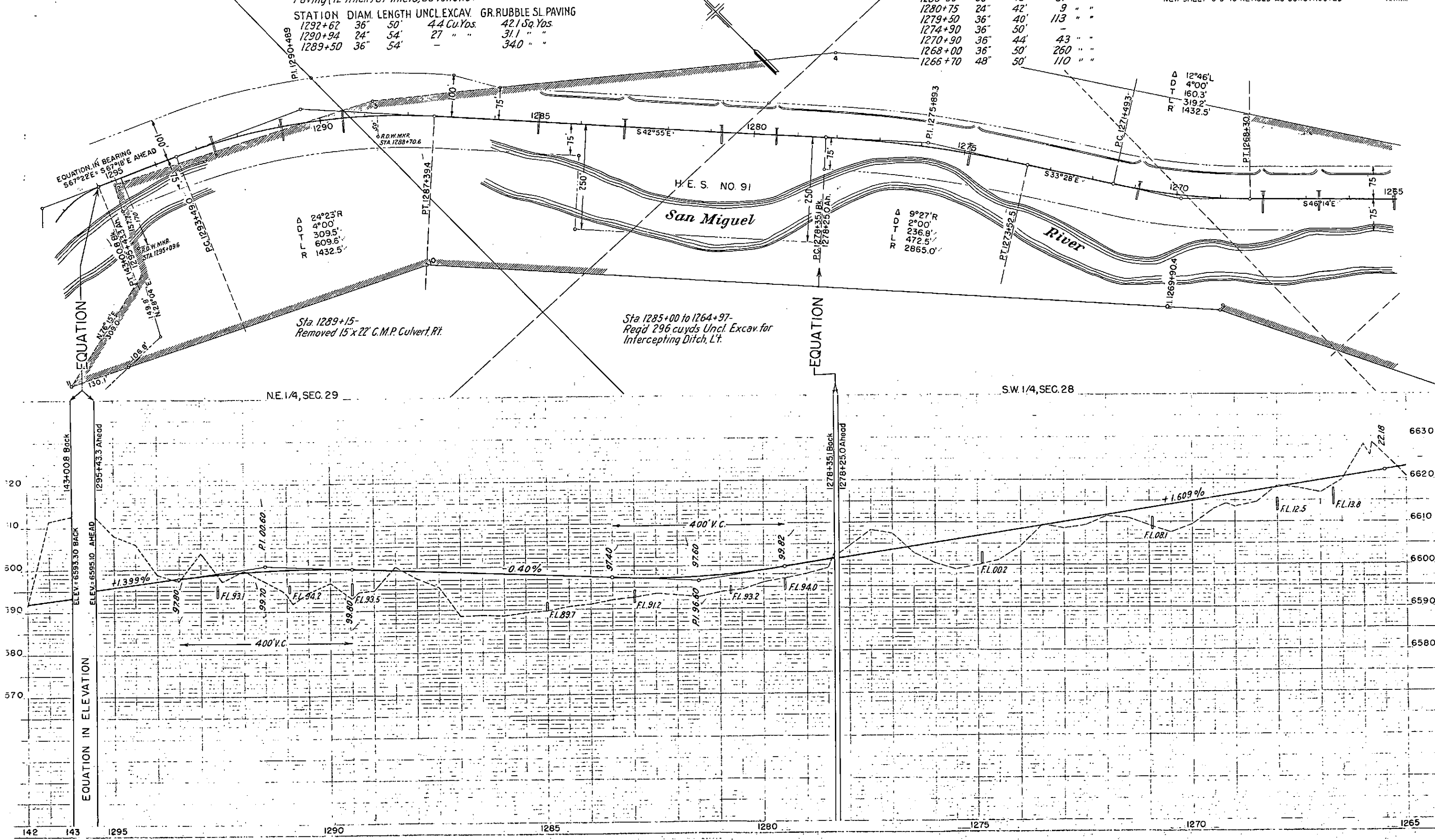
NOTE:
Req'd C.M.P. Cross Culverts with Inlets &
Type 'C' Headwalls at Inlets, as follows:

STATION	DIAM.	LENGTH	UNCL. EXCAV.
1285+00	24"	46'	3/ CU. YDS.
1283+00	36"	46'	67 " "
1280+75	24"	42'	9 " "
1279+50	36"	40'	113 " "
1274+90	36"	50'	-
1270+90	36"	44'	43 " "
1268+00	36"	50'	260 " "
1266+70	48"	50'	110 " "

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	103-D(1)	23	

NEW SHEET 6-3-'43 REVISED AS CONSTRUCTED

H.W.M.



NOTE:
Reqd C.M.P. Cross Culverts with Inlets & Type 'C'
Headwalls at Inlets as follows:-

STATION	DIAM.	LENGTH	UNCL. EXCAV.
1264+97	48"	44'	67 Cu. Yds.
1262+20	48"	44'	289 " "
1259+70	48"	56'	50 " "
1258+50	36"	50'	17 " "
1255+50	24"	40'	53 " "
1251+50	24"	58'	21 " "
1249+38	24"	64'	12 " "

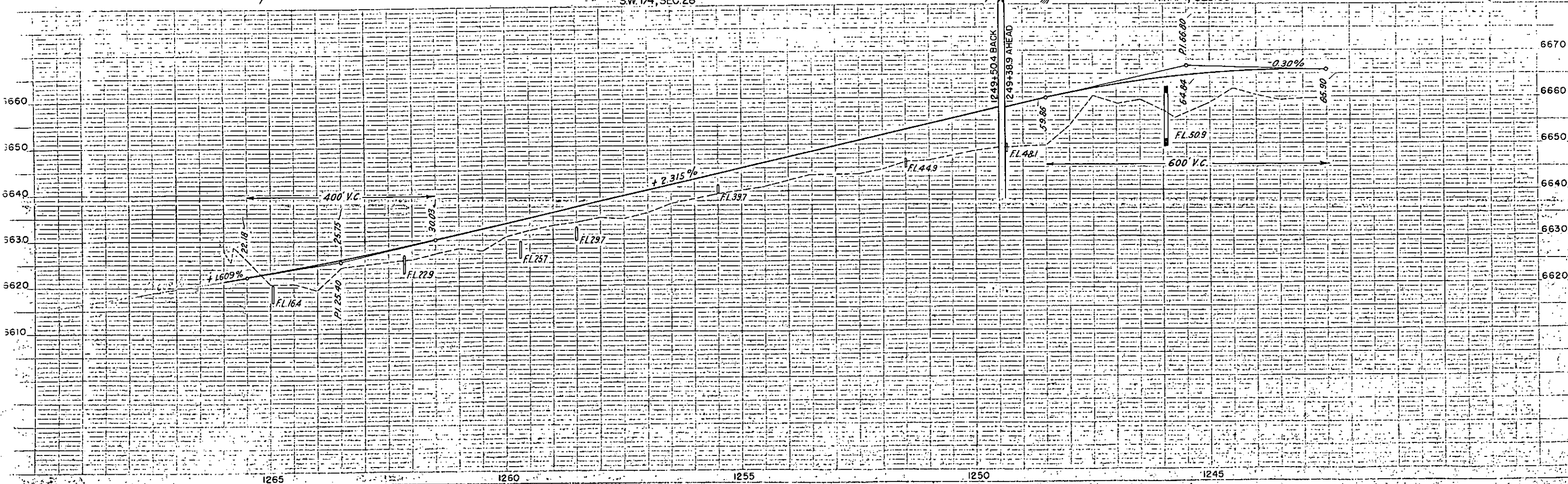
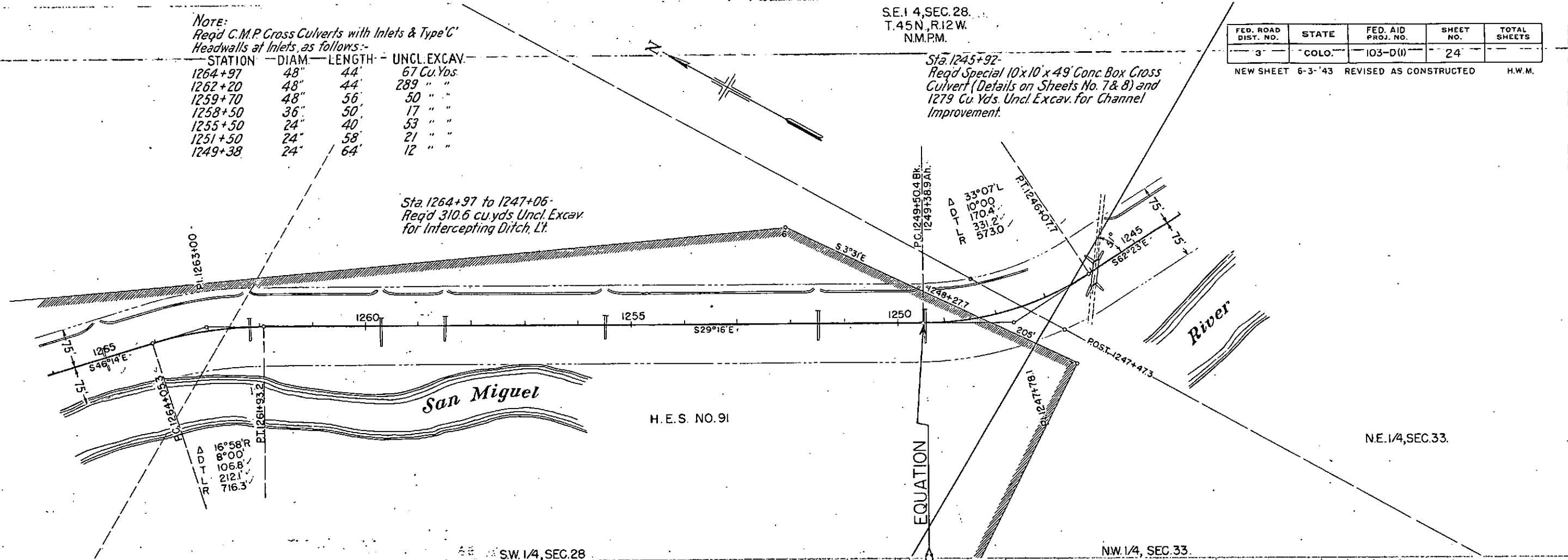
Sta 1264+97 to 1247+06
Reqd 310.6 cu.yds Uncl. Excav.
for Intercepting Ditch, Lt.

SE. 1/4, SEC. 28.
T. 45 N., R. 12 W.
N.M.P.M.

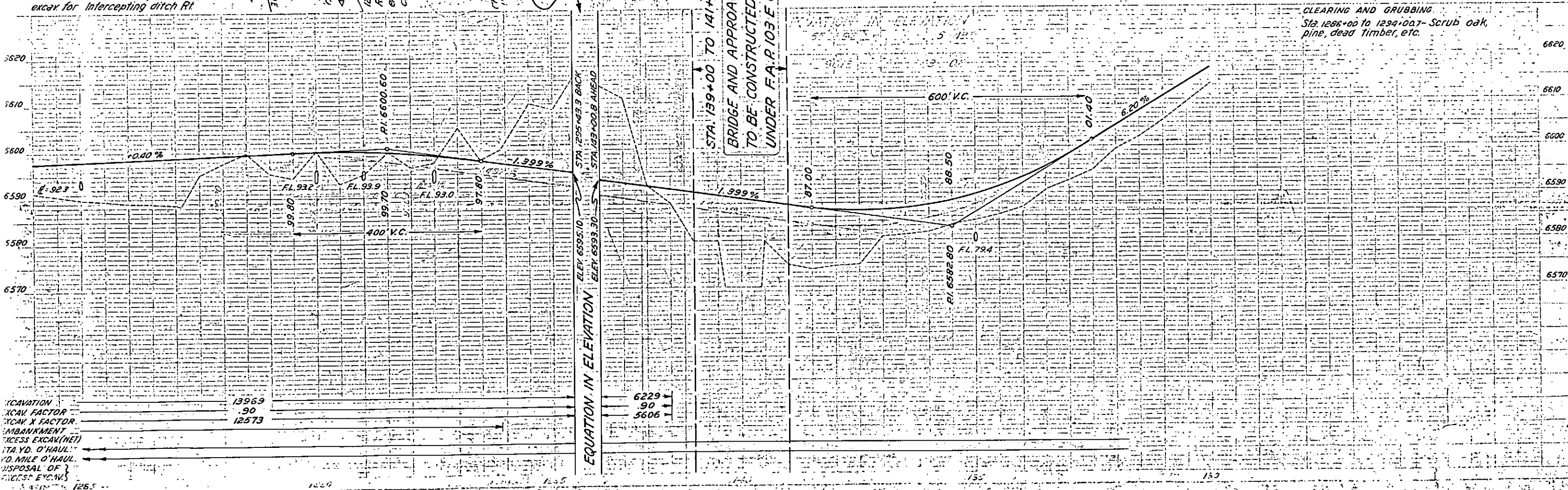
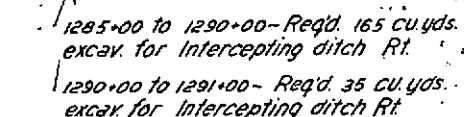
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	103-D(1)	24	

NEW SHEET 6-3-'43 REVISED AS CONSTRUCTED H.W.M.

Sta 1245+92
Reqd Special 10'x10'x49' Conc Box Cross
Culvert (Details on Sheets No. 7 & 8) and
1279 Cu. Yds. Uncl. Excav. for Channel
Improvement.



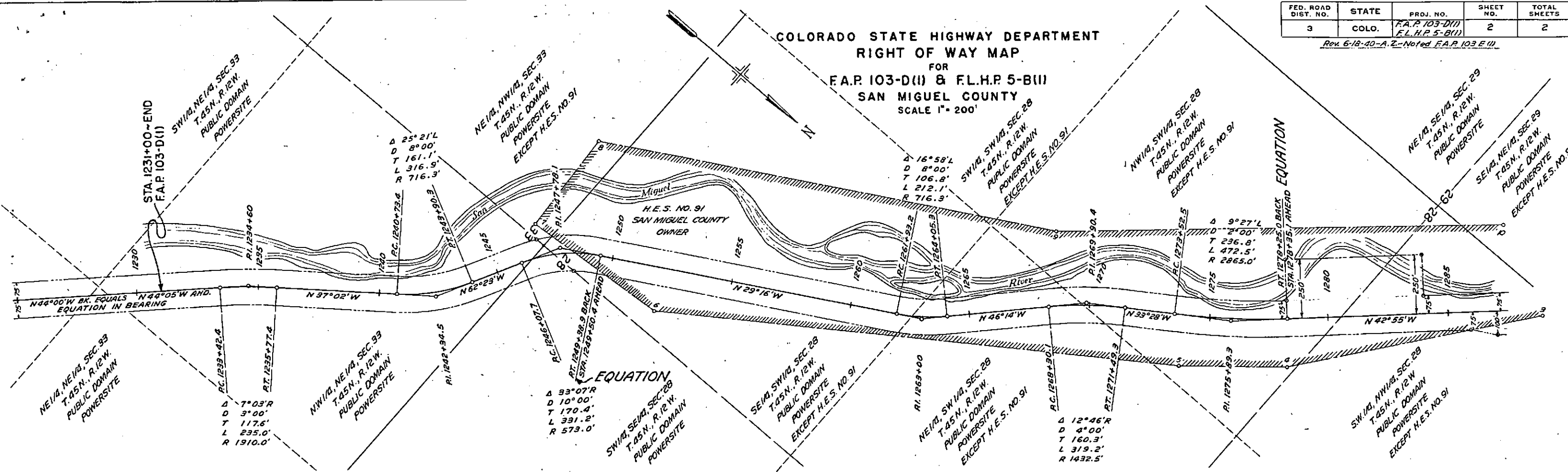
Rev. 6-18-40-A.Z.-Noted F.A.R 103 E (1)



FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	F.A.P. 103-D(1) & F.L.H.P. 5-B(1)	2	2

Rev. 6-18-40-A. 2-Noted F.A.P. 103 E(1)

COLORADO STATE HIGHWAY DEPARTMENT
RIGHT OF WAY MAP
FOR
F.A.P. 103-D(1) & F.L.H.P. 5-B(1)
SAN MIGUEL COUNTY
SCALE 1" = 200'

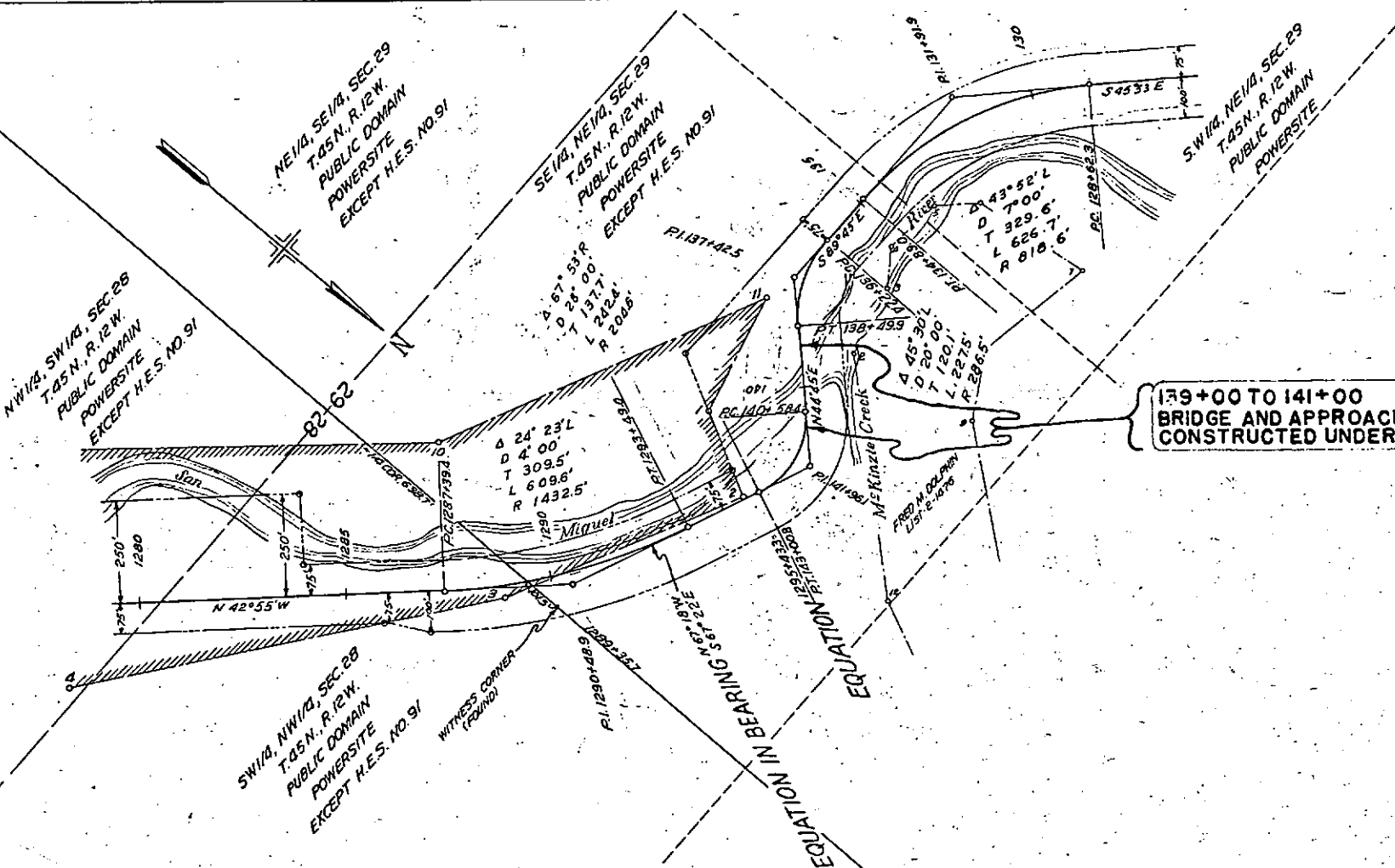


CERTIFICATE

I, JESSIE M. GARDNER, Register of the U.S. Land Office at Denver, Colorado, hereby certify that the lands shown cross-hatched and traversed by the Placerville-Norwood road (F.A.P. 103-D(1) & F.L.H.P. 5-B(1)) are the only patented or appropriated lands on this route, and that all lands shown on this map not cross-hatched are unappropriated and unreserved public lands except as noted.

Jessie M. Gardner
REGISTER, DENVER, COLORADO

5/22/40
DATE



139+00 TO 141+00
BRIDGE AND APPROACHES TO BE
CONSTRUCTED UNDER F.A.P. 103 E-(1)