

COLORADO
DEPARTMENT OF HIGHWAYS

PLAN OF PROPOSED
COLORADO PROJECT NO. C 12-0003-16
STATE HIGHWAY NO'S. ~~283~~
DENVER & ADAMS COUNTIES

6 & I-76

SECTION NO.	DISTRICT	PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	1	C 12-0003-16	1	1

INDEX OF SHEETS

SHEET NO. 1	TITLE SHEET, SKETCH MAP & TABULATION OF LENGTH.	
2	TYPICAL SECTIONS.	
3	SUMMARY OF APPROXIMATE QUANTITIES, GENERAL NOTES & TABULATIONS SHOWING "SHAPING ROADBED" AREAS, CURB REMOVAL, & CURB & GUTTER REQUIREMENTS.	
4	STANDARD METHODS FOR SUPERELEVATING CURVES ON DIVIDED HIGHWAYS.	
5	STANDARD SIDE APPROACH ROADS, FLARING, CUT SLOPE TREATMENT & WIDENING AT BRIDGES & AT CREST OF GRADES.	M-1-CI M-2-EM
6	STANDARD CONCRETE PAVEMENT JOINT DETAILS.	M-8-C
7	STANDARD NO. 12 & NO. 13 CONCRETE INLETS.	M-12-D13
8-9	STANDARD ROADWAY CONSTRUCTION TRAFFIC SIGNS	M-29-B
10-22	ROADWAY PLAN SHEETS (CURB & GUTTER DETAILS ARE SHOWN ON SHEETS 12, 13 & 16.)	

CONVENTIONAL SIGNS

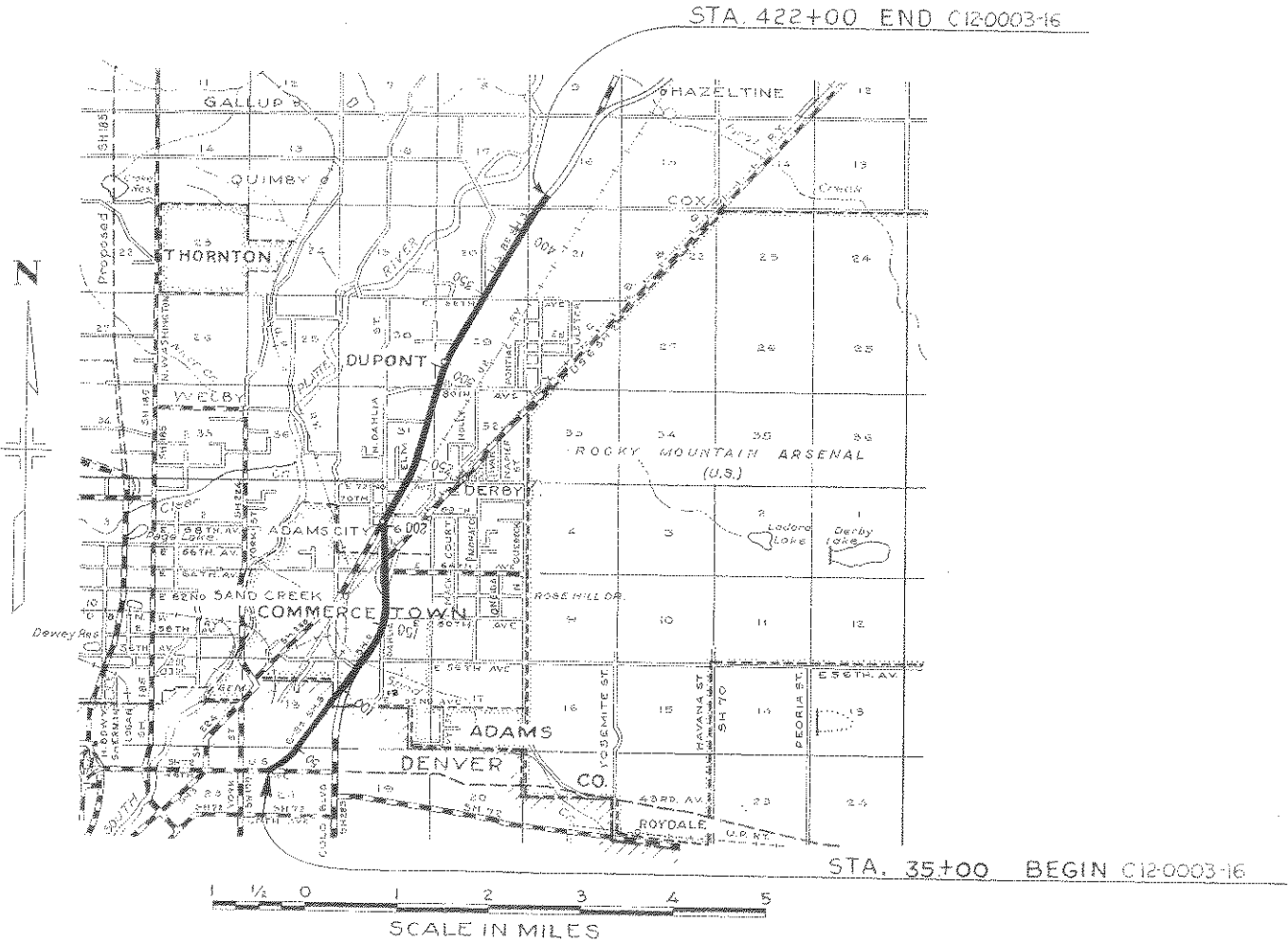
CENTER LINE	PLAN SHEET	TITLE SHEET
RIGHT OF WAY LINE	PLAN SHEET	TITLE SHEET
COUNTY LINE	PLAN SHEET	TITLE SHEET
TOWNSHIP OR RANGE LINE	PLAN SHEET	TITLE SHEET
LAND LINES	SECTION LINE	1/4 SECTION LINE
RAILROAD	TITLE SHEET	PLAN SHEET
BARBED WIRE FENCE	PLAN SHEET	TITLE SHEET
COMBINATION WIRE FENCE	PLAN SHEET	TITLE SHEET
SNOW FENCE	PLAN SHEET	TITLE SHEET
TELEPHONE & TELEGRAPH LINES	PLAN SHEET	TITLE SHEET
POWER LINE	PLAN SHEET	TITLE SHEET
DETOUR	PLAN SHEET	TITLE SHEET
PRESENT ROAD (Plan Sheets)	PLAN SHEET	TITLE SHEET

SCALES OF ORIGINAL DRAWINGS
ON PLANS 1 IN 100 FT

GROSS LENGTH OF PROJECT } 38,701.8 FT = 7.330 MILES
NET LENGTH OF PROJECT }

TABULATION OF LENGTH

STATION	CONCRETE PAVING LIN. FT.	PLANT MIX PAVING LIN. FT.	BRIDGES OVERLAY/W ASPH. MAT LIN. FT.
35+00 Begin C12-0003-16			
41+50.0	650	6,580.0	
107+30.0			155
108+85.0		10,550	
119+40.0			362
123+02.0		5,498.0	
178+00.0	2,000	20,956	
198+00.0		25,262	
218+95.6 Bk. = 219+06.3 Ahd.		2,097.1	
244+33.1 Bk. = 244+21.8 Ahd.		2,127.3	
265+18.9 Bk. = 265+12.7 Ahd.			80
286+45.0		13,475.0	
287+25.0			
422+00.0 End C12-0003-16			
TOTALS	2,650	35,457.8	597
SUMMARY			
Net & Gross Length of Project			38,701.8 Ft = 7.330 Miles



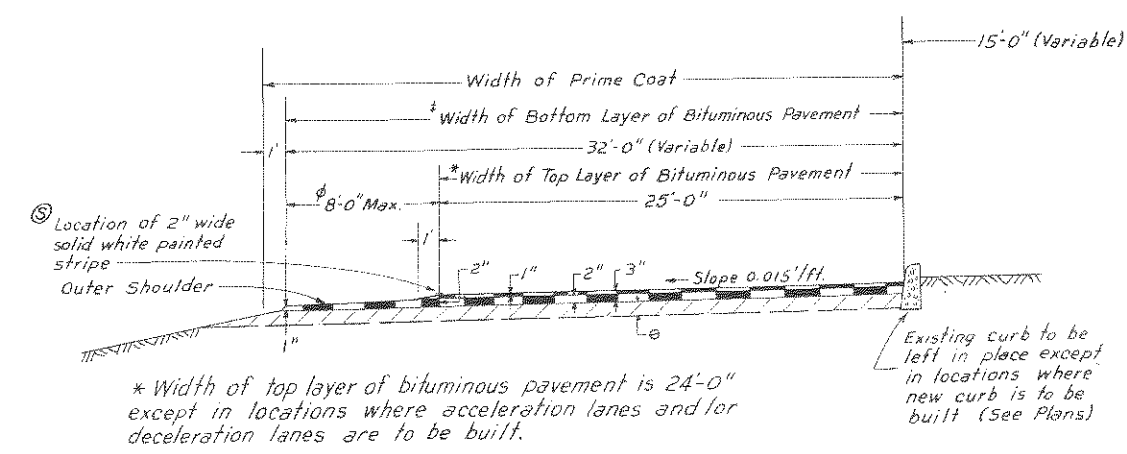
NOTICE TO BIDDERS
IT IS RECOMMENDED THAT BIDDERS ON THIS PROJECT GO OVER THE PLAN DETAILS WITH ONE OF THE FOLLOWING FIELD REPRESENTATIVES OF THIS DEPARTMENT
F.D. Sterns Dist. Const. Engr. Denver, Colorado
I.N. Johnson, Res. Engr. Denver, Colorado
Res. Phone Ge 3-5906

COLORADO
DEPARTMENT OF HIGHWAYS
RECEIVED
9-13-56
DATE

Rev. 9-27-56, 8" Slab Thickness, J.C.R.

HALF TYPICAL SECTION SHOWING CURB

Beginning of Project to E-69th Ave. Intersection



* Width of top layer of bituminous pavement is 24'-0" except in locations where acceleration lanes and/or deceleration lanes are to be built.

† Width of bottom layer of bituminous pavement is 32'-0" except in locations where acceleration lanes and/or deceleration lanes are to be built and in locations where the outer shoulder is less than 8 feet wide.

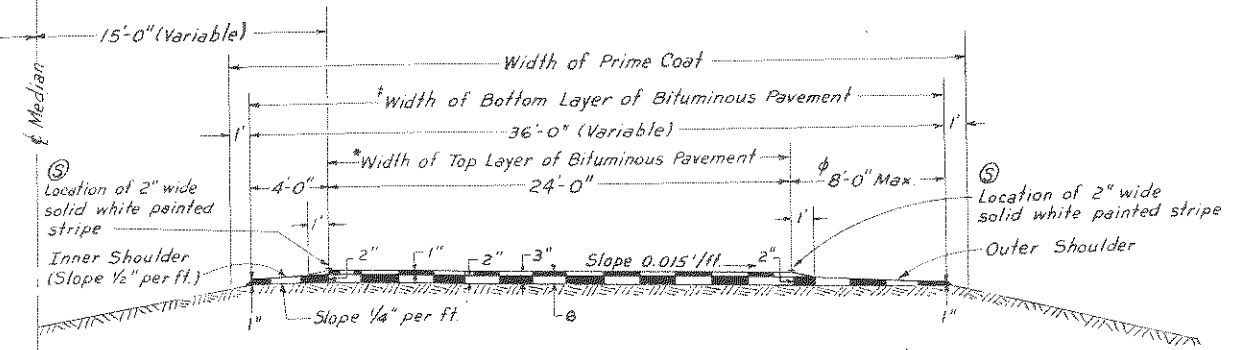
φ Width of outer shoulder variable.

θ Present asphaltic surfacing will be bladed and shaped then relaid to the typical section slopes at the locations shown on sheet No. 3. All other locations excepting for concrete pavement, the 3" asphaltic mat will be overlaid on the present pavement.

③ Striping to be done by State Forces.

HALF TYPICAL SECTION SHOWING DEPRESSED MEDIAN

E-69th Ave. Intersection to End of Project



* Width of top layer of bituminous pavement is 24'-0" except in locations where acceleration lanes and/or deceleration lanes are to be built. See Sheet No. 4 for tabulation.

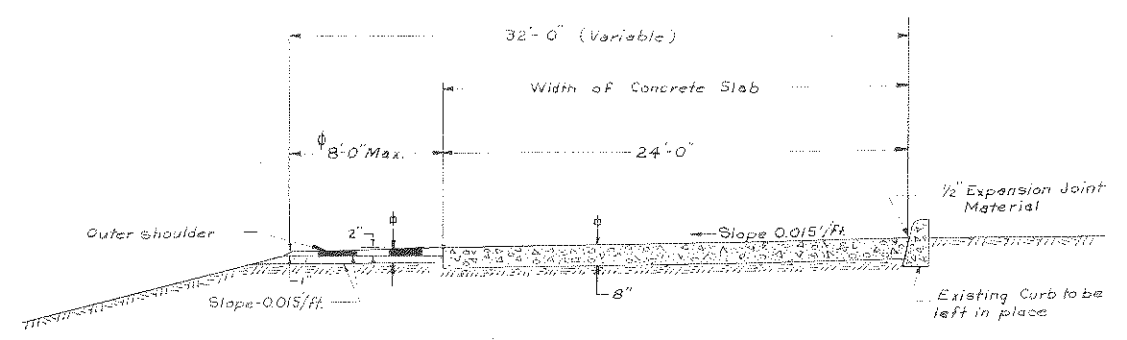
† Width of bottom layer of bituminous pavement is 36'-0" except in locations where acceleration lanes and/or deceleration lanes are to be built and in locations where the outer shoulder is less than 8 feet wide.

φ Width of outer shoulder variable.

θ The 3" asphaltic mat will be overlaid on present pavement.

HALF TYPICAL SECTION SHOWING CONCRETE PAVING

Sta. 178+00 to Sta. 198+00
46 TH. & VASQUEZ INTERSECTION AS INDICATED



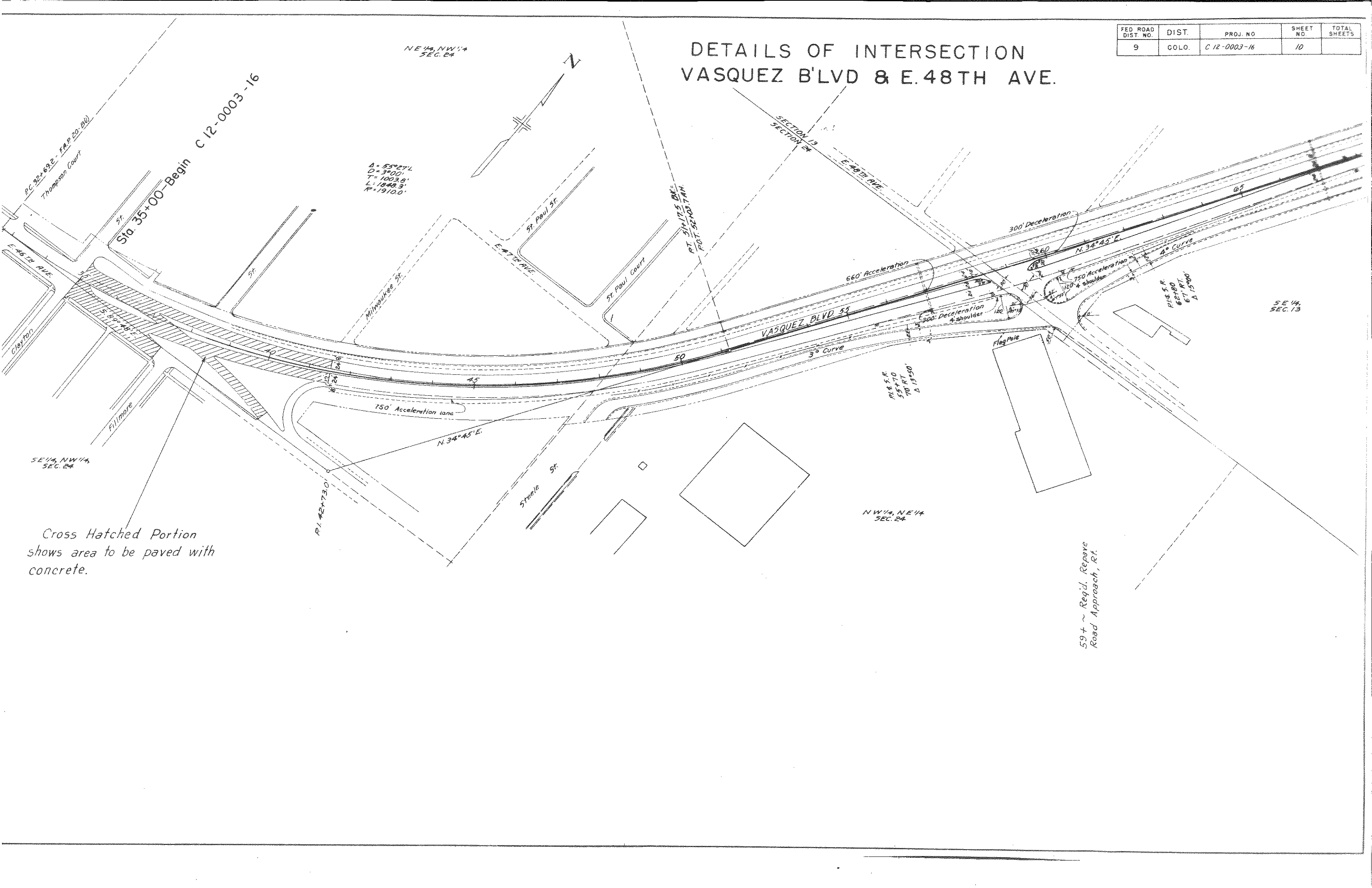
Width of concrete pavement is 24'-0" Acceleration lanes and deceleration lanes where they occur shall be constructed of plant mix asphaltic paving the same as all other extra lanes on this project.

φ Width of outer shoulder variable.

θ Present roadway to be excavated to accommodate the concrete slab, Sub-Base material and Asphaltic Surfacing as required. "Hold present grade for clearance below overpasses."

FED. ROAD DIST. NO.	DIST.	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	C 12-0003-16	10	

DETAILS OF INTERSECTION
VASQUEZ B'LV'D & E. 48TH AVE.



Cross Hatched Portion
shows area to be paved with
concrete.

59+ ~ Req'd. Repave
Road Approach, Rt.

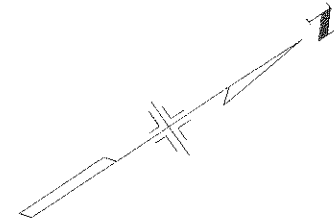
T.3 S. R. 68 W.

FEDERAL ROAD DIVISION NO.	DISTRICT	PROJ. NO.	SHEET NO.	TOTAL SHEETS
8	COLORADO	C 12-0003-16	11	

SW 1/4 SE 1/4 Sec. 13
T.3 S. R. 68 W.

N.W. 1/4 S.E. 1/4 Sec. 13
T.3 S. R. 68 W.

E. 50TH AVE.



CONCRETE POST

N. 34° 45' E

4° Curve

C.B. & Q. R. R.

N.W. 1/4 NE 1/4 Sec. 24
T.3 S. R. 68 W.

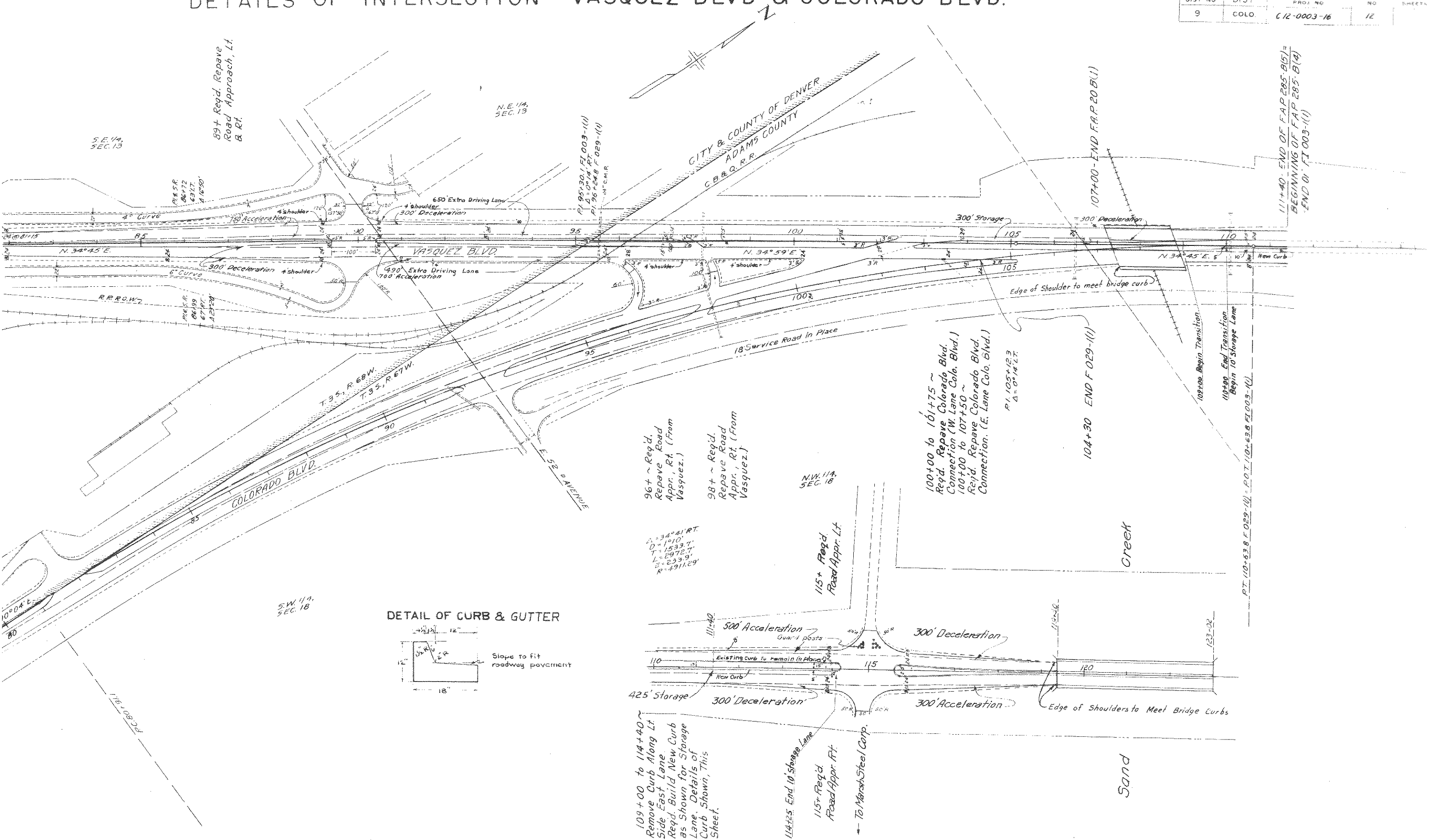
S.E. 1/4 SE 1/4 Sec. 13
T.3 S. R. 68 W.

NE 1/4 SE 1/4 Sec. 13
T.3 S. R. 68 W.

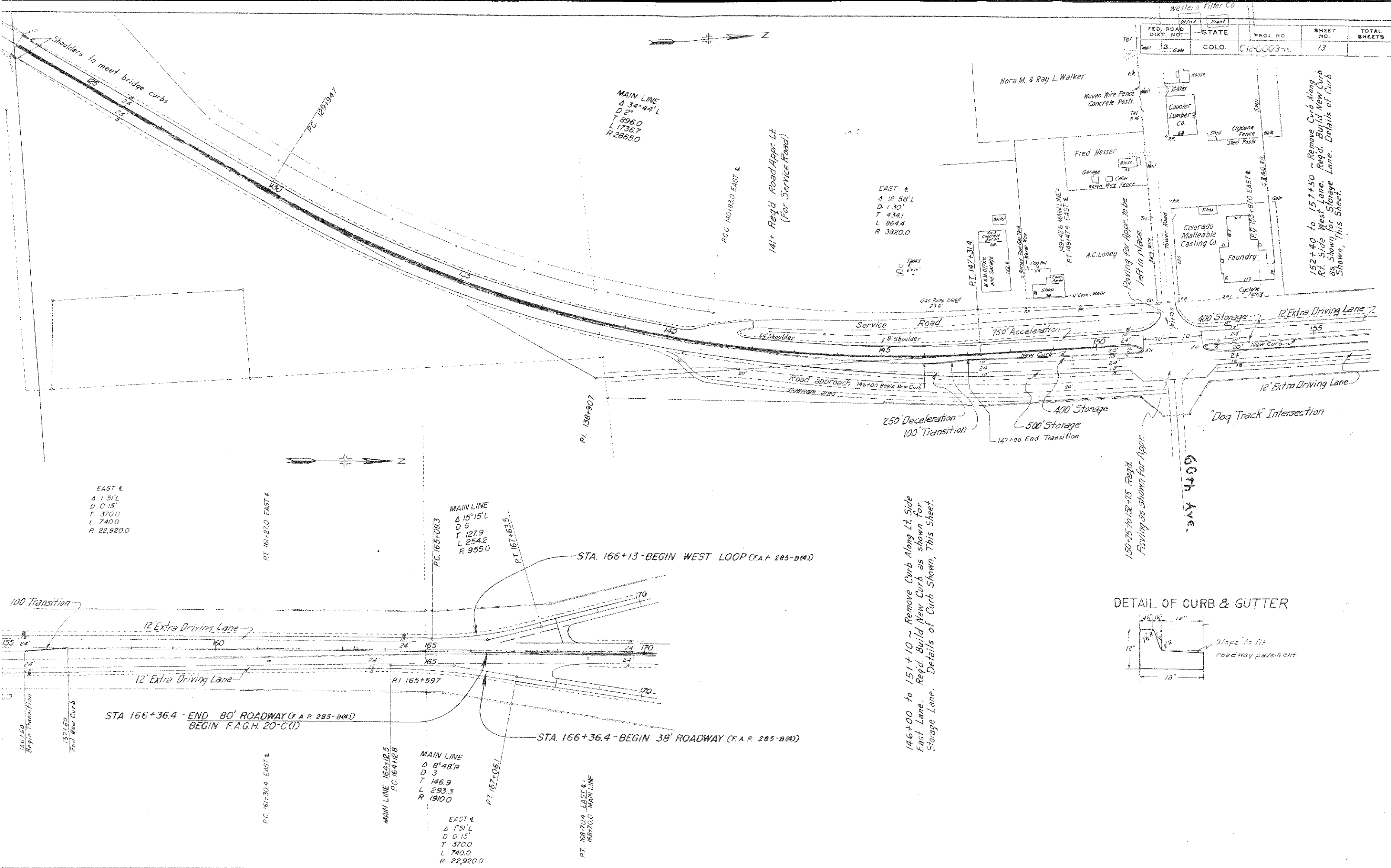
229.66 to Sec. Cor.

Sta. 58+44.9
59+39.2

FED ROAD DIST NO	DIST	PROJ NO	SHEET NO	TOTAL SHEETS
9	COLO.	612-0003-16	12	



FED. ROAD DIST. NO.		STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3. GOLF		COLO.	C12-0003-12	13	

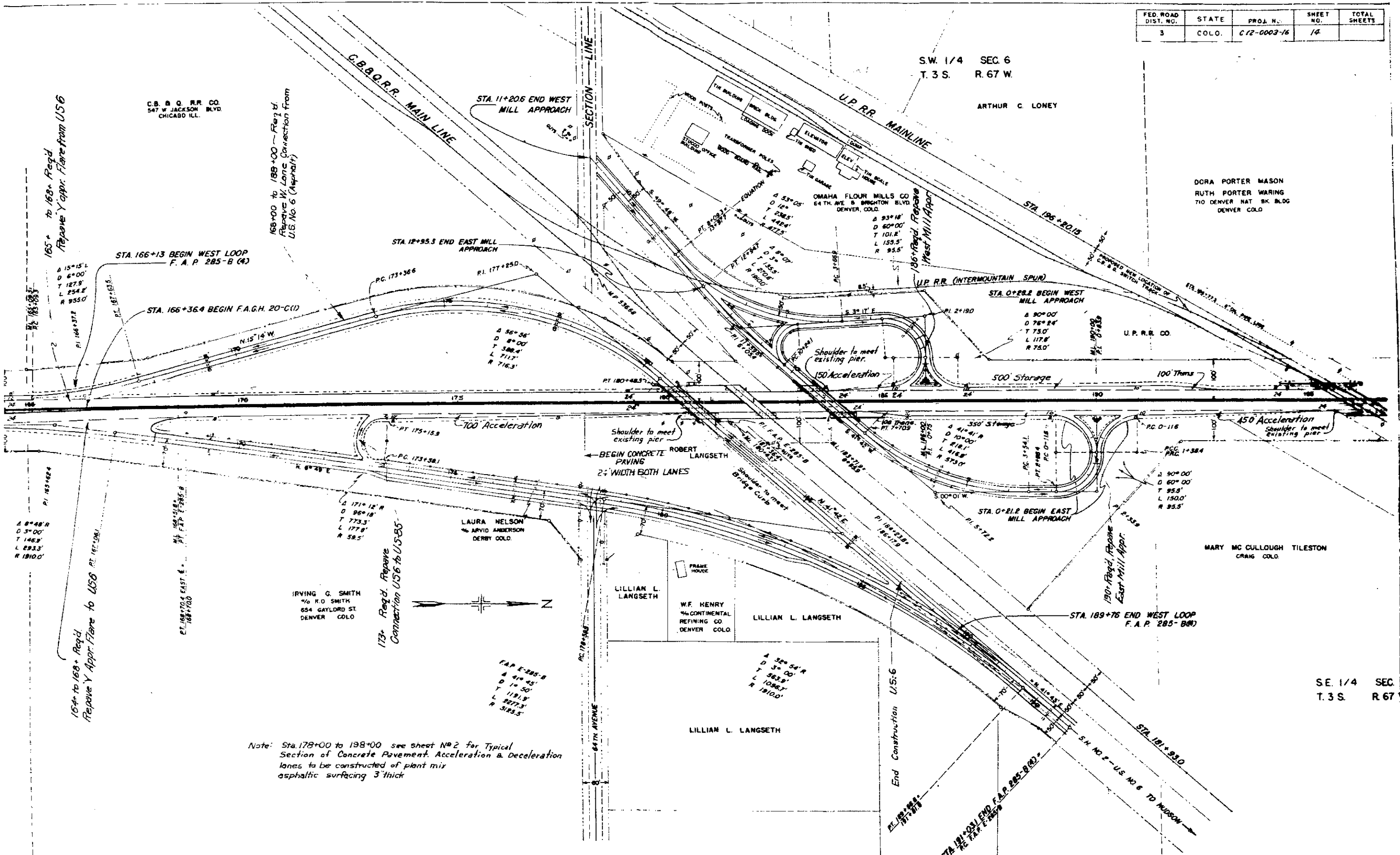


FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	C 12-0003-16	14	

S.W. 1/4 SEC. 6
T. 3 S. R. 67 W.

ARTHUR C. LONEY

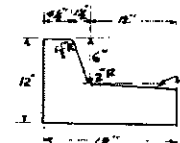
DORA PORTER MASON
RUTH PORTER WARING
710 DENVER NAT. BK. BLDG.
DENVER COLO.



SE. 1/4 SEC.
T. 3 S. R. 67

SW⁴ SE⁴ SEC. 31 T.2S., R.67W.

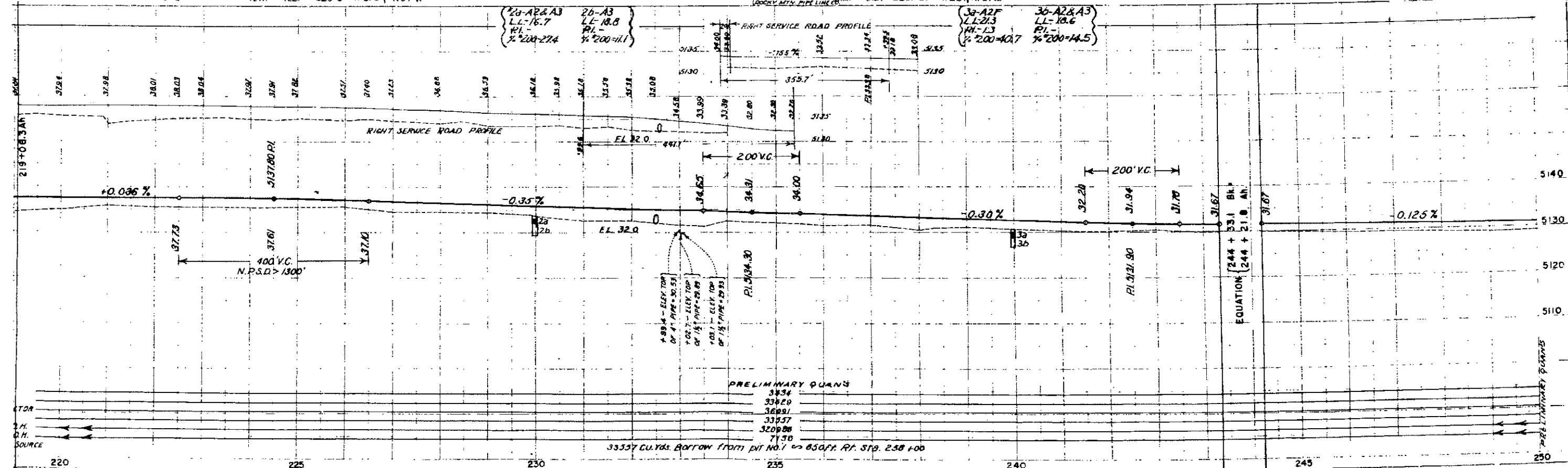
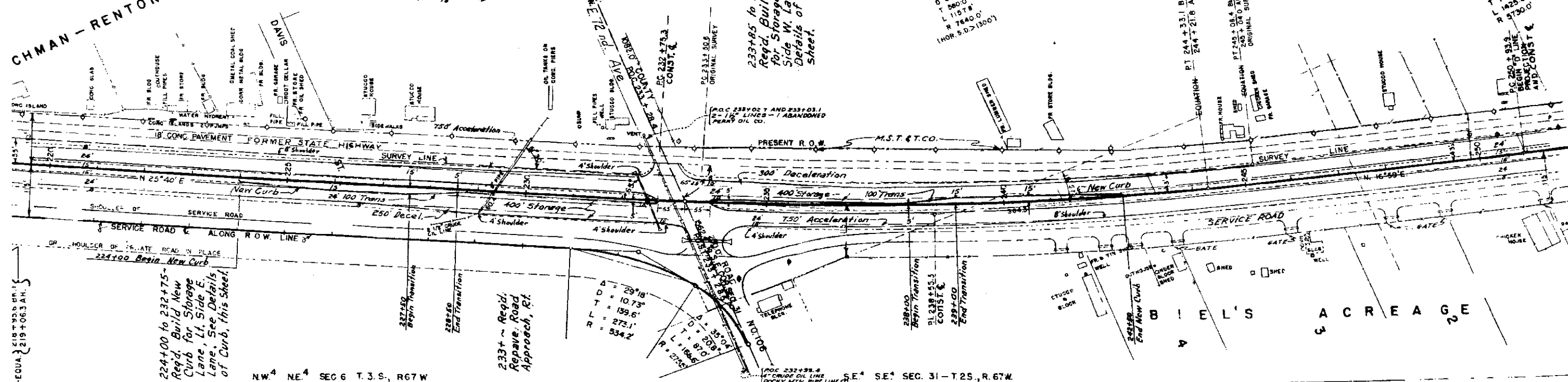
FED. ROAD DIST. NO.	STATE		SHEET NO.	TOTAL SHEETS
3	COLO.	Gravel Drive	16	



233+ ~
Reqd. Repave
Road Approach,
14

233+85 to 242+50 ~
Reg'd. Build New Curb
for Storage Lane, Rt.
Side W. Lane. See
Details of Curb, this
Sheet

ORIGINAL SURVEY & CONST.
 & 8° 41' L
 D 0° 45'
 T 580.0'
 L 1157'
 R 7640.0'
 (HOR. S.D. > 1300')



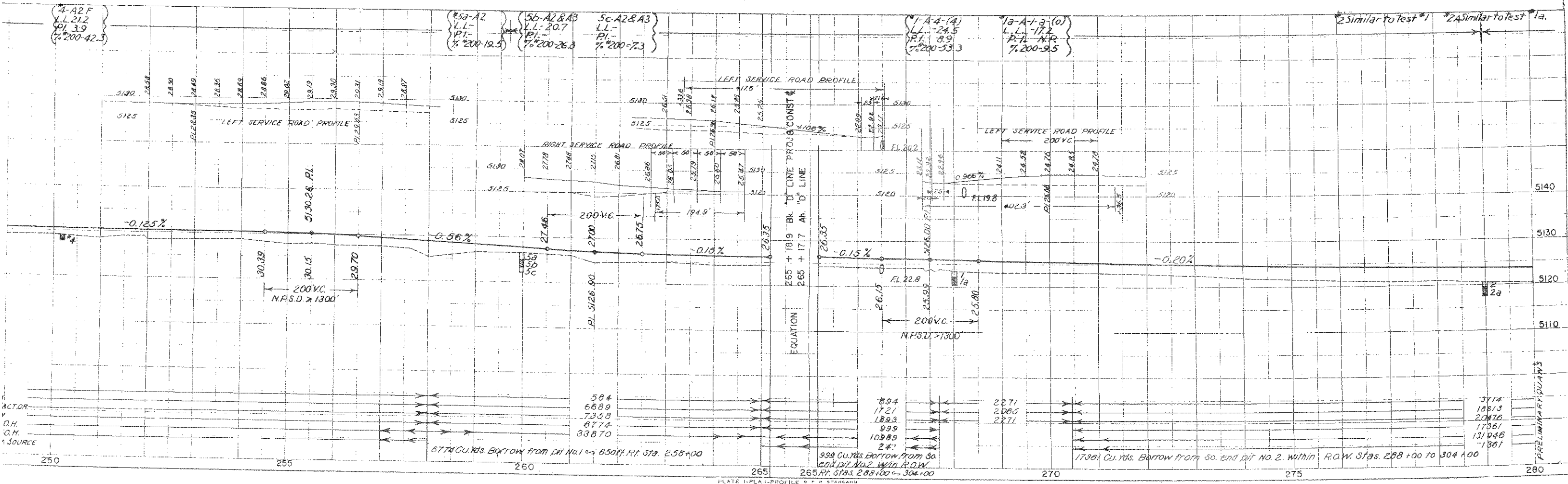
PRELIMINARY QUANT

33557 cu. yds. Borrow from pit No. 1 ~ 650 ft. Rt. Sta. 258 +00

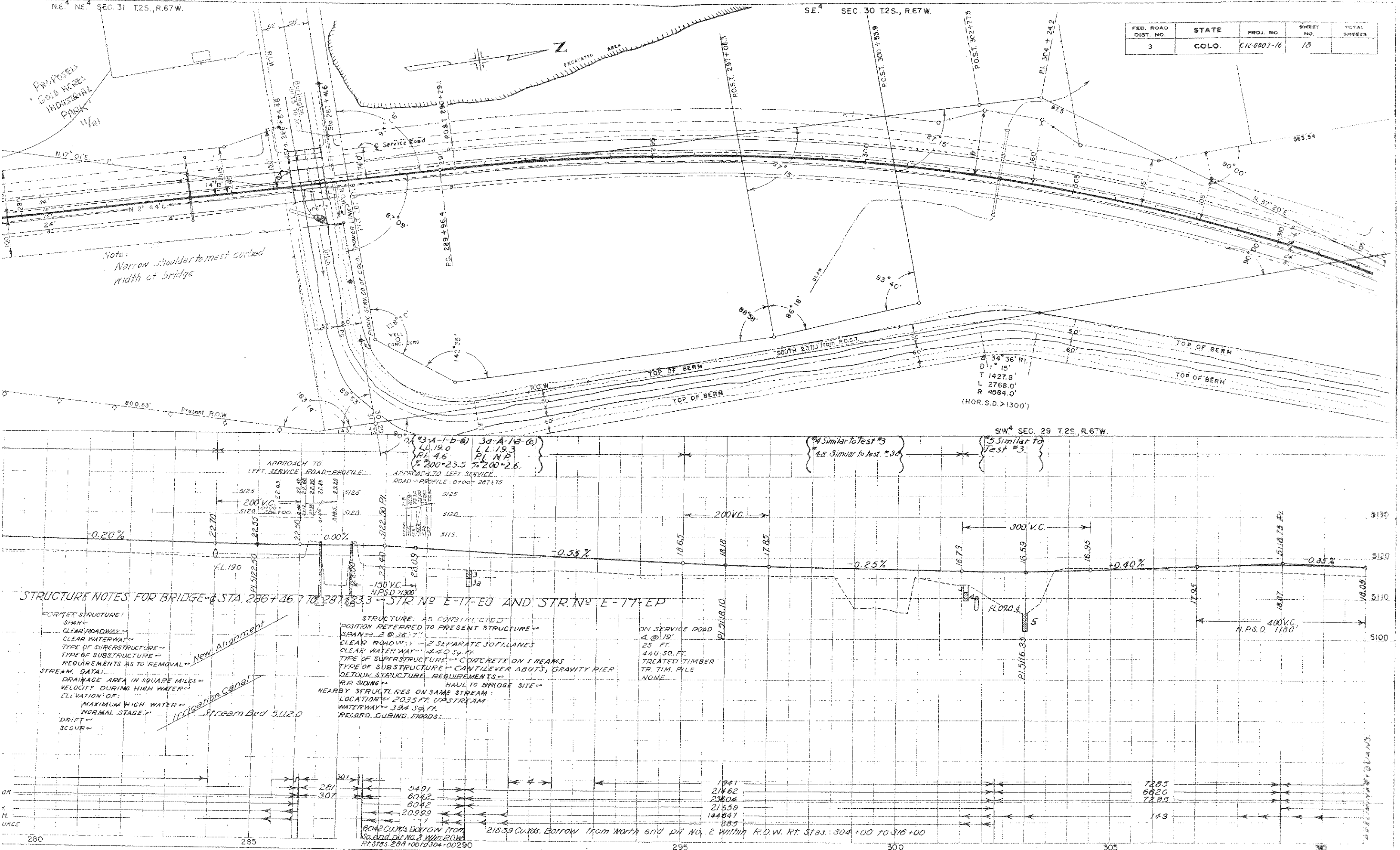
PLATE 1. PLAN-PROFILE OF STANDARD

The plan view illustrates a road improvement project on Highway 160. Key features include:

- Proposed Alignment:** A new road alignment is shown with stationing from 250+00 to 267+00. It includes a 14° 18' 00" curve with a tangent of 716.3' and a radius of 57300'.
- Existing Alignment:** The existing road alignment is shown with stationing from 250+00 to 267+00. It includes a 14° 18' 00" curve with a tangent of 716.3' and a radius of 57300'.
- Structures and Features:** Various structures and features are labeled, including a STORE & FILLING STA. (NEW BLDG.), GARAGE, PUMP ISLAND, STORE (UNDER BLDG. & STRUCT.), COWELL, SHED, and BARRICADE.
- Proposed and Existing Right-of-Way:** The proposed and existing right-of-way lines are shown, with the proposed line being 14' 18' 00" wide.
- Stationing and Curve Data:** Stationing is provided for various points along the alignment, including 250+00, 251+00, 252+00, 253+00, 254+00, 255+00, 256+00, 257+00, 258+00, 259+00, 260+00, 261+00, 262+00, 263+00, 264+00, 265+00, 266+00, and 267+00. Curve data includes a 14° 18' 00" curve with a tangent of 716.3' and a radius of 57300'.
- Proposed and Existing Right-of-Way:** The proposed and existing right-of-way lines are shown, with the proposed line being 14' 18' 00" wide.
- Proposed and Existing Right-of-Way:** The proposed and existing right-of-way lines are shown, with the proposed line being 14' 18' 00" wide.



PROPOSED
GOLD RIVER
INDUSTRIAL
PARK



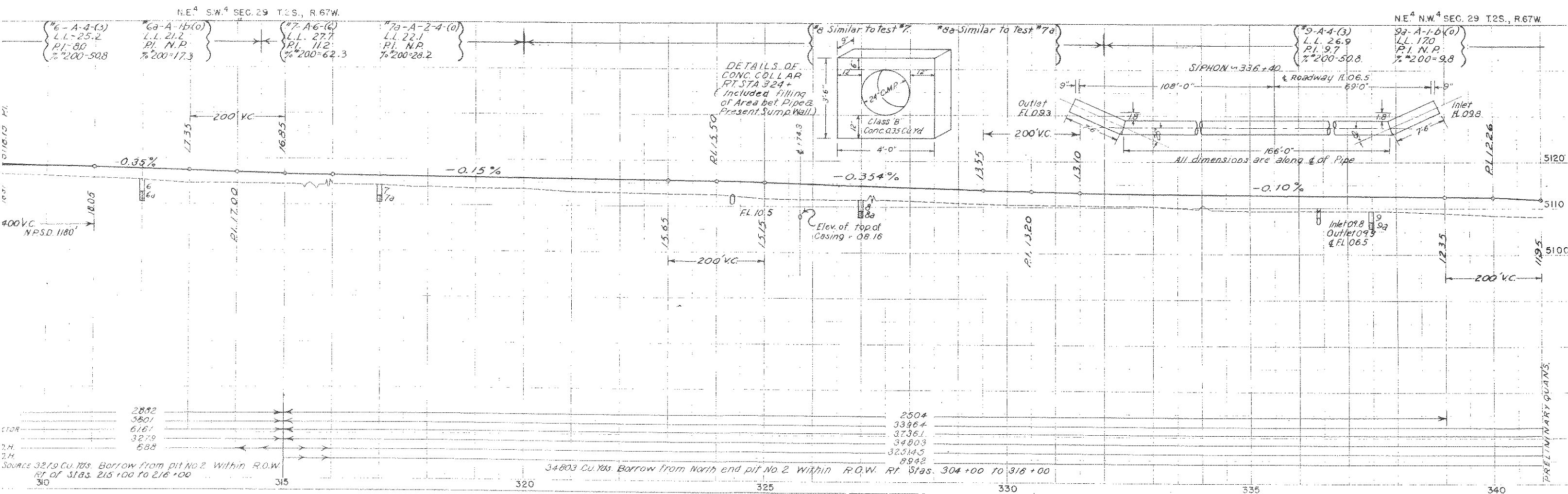
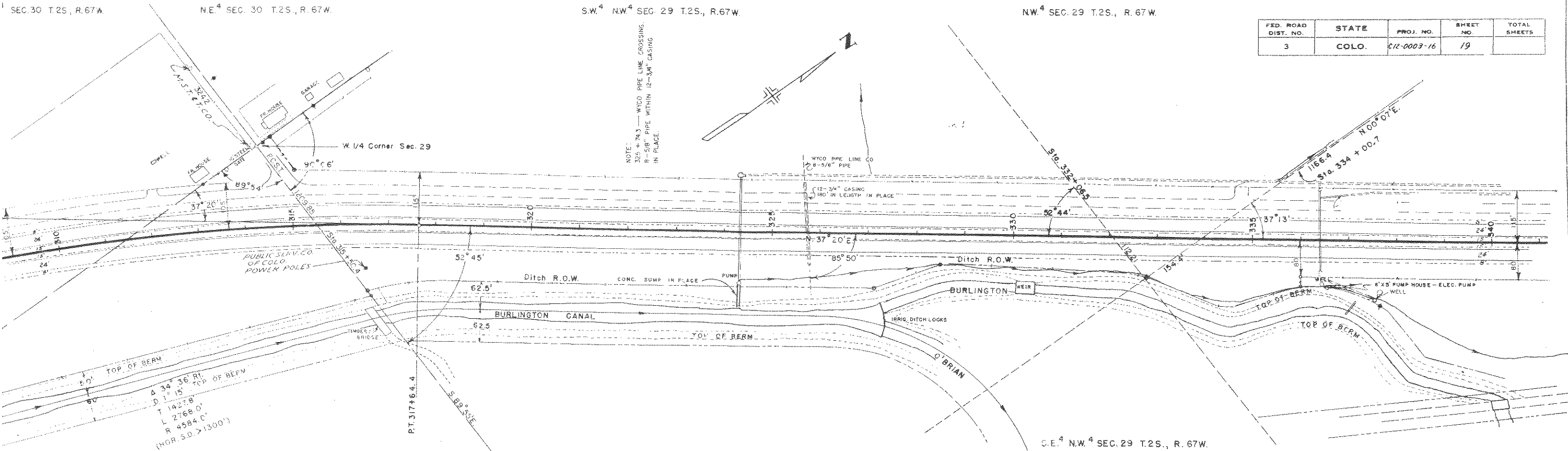
SEC. 30 T.2S, R.67W.

NE. 1/4 SEC. 30 T.2S, R.67W.

SW. 1/4 NW. 1/4 SEC. 29 T.2S, R.67W.

NW. 1/4 SEC. 29 T.2S, R.67W.

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	12-0003-16	19	



2852
5801
6161
3229
688

SOURCE 3219 Cu. Yds. Borrow from pit No 2 Within R.O.W.
RT of Stas. 215 +00 to 216 +00

2504
33964
37361
34803
325145
8842

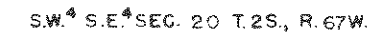
34803 Cu. Yds. Borrow from North end pit No 2 Within R.O.W. Rt Stas. 304 +00 to 318 +00

310 315 320 325 330 335 340

PLATE 1 PLAN-PROFILE OF DITCH

PRELIMINARY QUANTS.

N.W.⁴ SE.⁴ SEC. 20 T.2S., R67W.



Profile drawing showing road elevation, grades, and vertical curves. Key features include:

- Grades: -0.30% , $+0.25\%$, -0.225% , -0.40% , -0.10%
- Vertical Curves: $200' \text{ V.C.}$, $N.P.S.D. > 1300'$
- Points of Interest: $PI 1225$, $PI 5110.75$, $PI 5122.5$, $PI 5110.45$, $PI 5107.85$
- Service Road Profiles: $LEFT \text{ SERVICE ROAD PROFILE}$ (multiple sections)
- Borrow Pile: 25526 Cu Yds Borrow from Surfacing pit $1000' \text{ ft. L.S. } 326+00$
- Stationing: 340 to 370

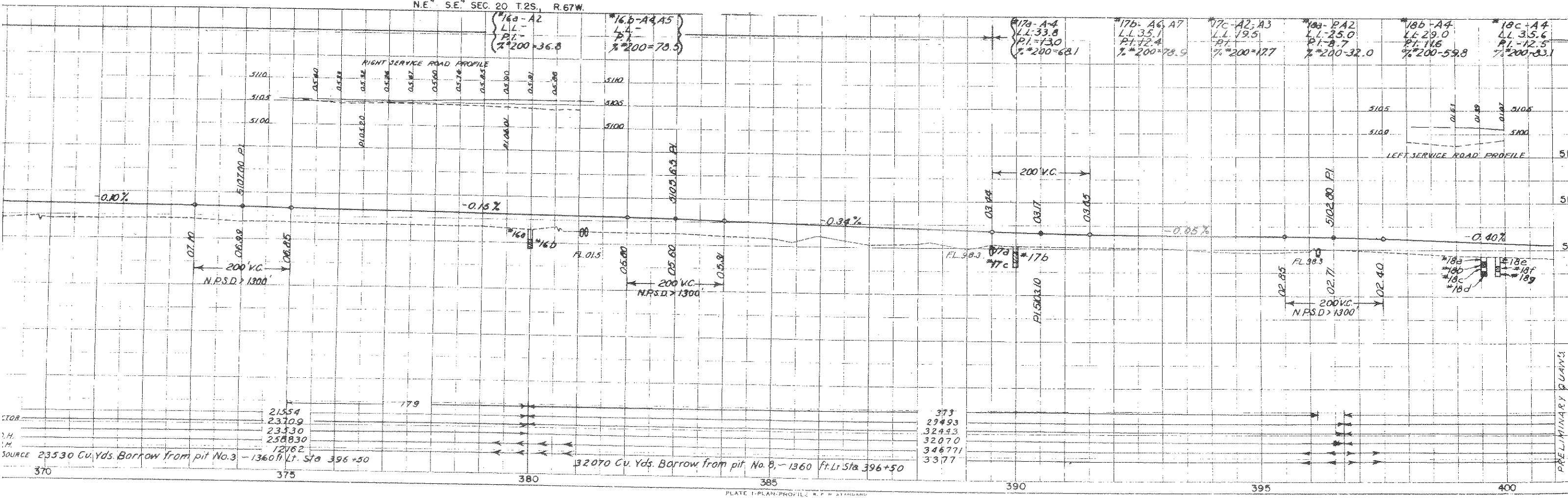
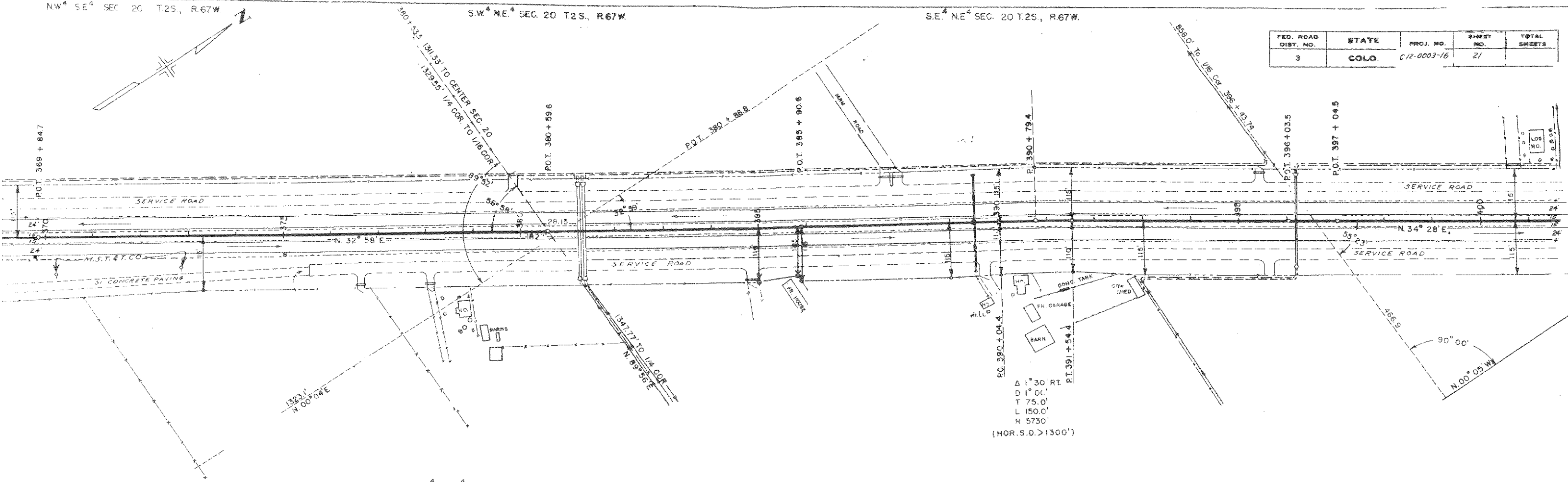
SAWYER, R. L.

NW 1/4 SEC 20 T2S, R67W

SW 1/4 SEC 20 T2S, R67W

SE 1/4 SEC 20 T2S, R67W

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	C12-0003-16	21	



21554
23709
23530
258830
12762
SOURCE 23530 Cu. Yds. Borrow from pit No. 3 - 1360 ft. Lt. Sta 396 + 50

32070 Cu. Yds. Borrow from pit No. 8 - 1360 ft. Lt. Sta 396 + 50

PRELIMINARY QUANTITIES

N.E. 1/4 SEC. 20 T.2S, R.67W.

S.W. 1/4 SEC. 16 T.2S, R.67W.

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	12-0003-16	22	

