

COLORADO

STATE HIGHWAY DEPARTMENT

PLAN AND PROFILE OF PROPOSED FEDERAL AID PROJECT NO. F005-4(2) STATE HIGHWAY NO. 8 ADAMS & ARAPAHOE COUNTIES

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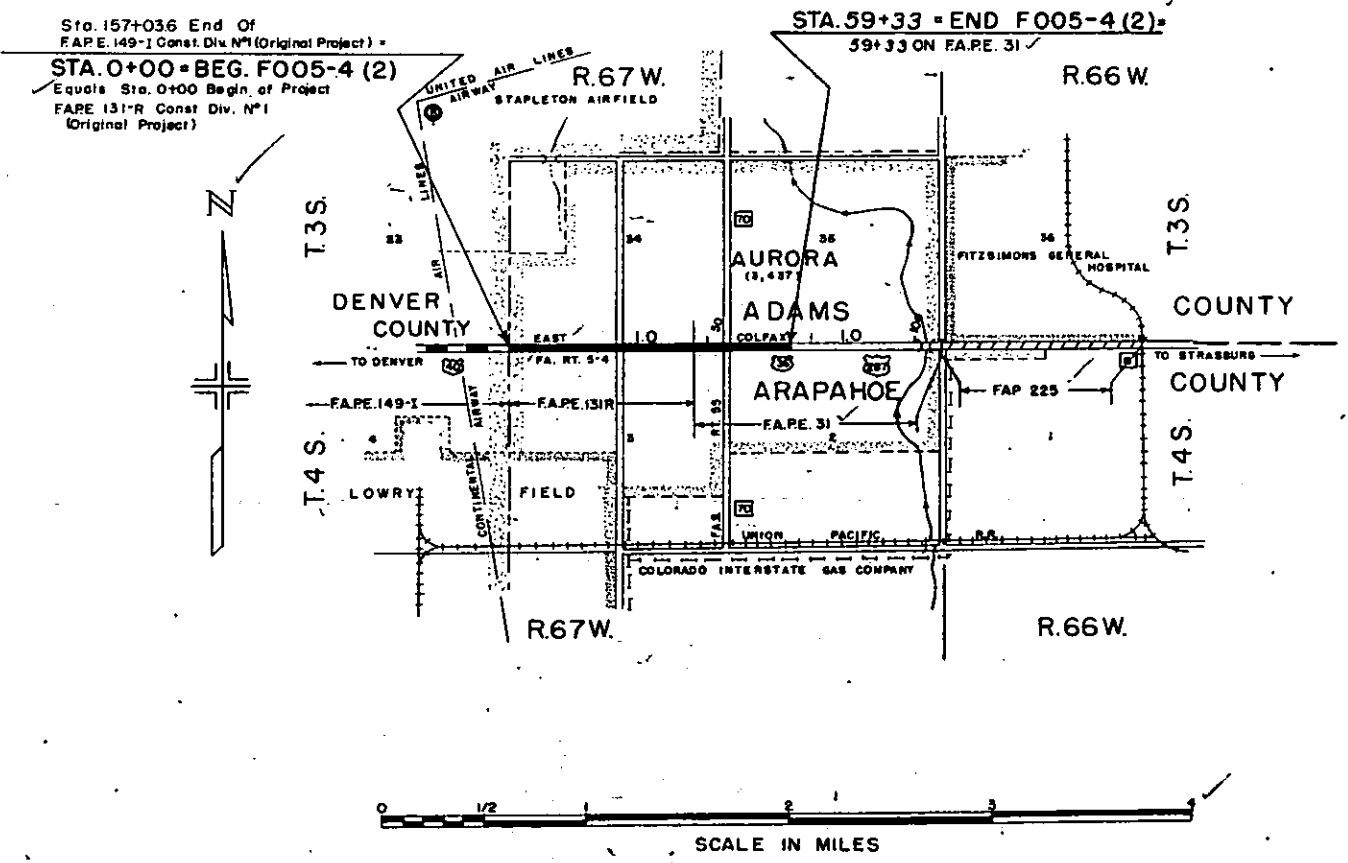
M-7-B
M-103-H
M-12-D-13
M-2-DS

SCALE OF ORIGINAL TRACING
ON PLAN, 1 IN. = 50 FT.
ON PROFILE 1 IN. = 50 FT. HORIZONTAL
1 IN. = 5 FT. VERTICAL
GRADE LINE ON PROFILE IS SHOWN AS GRADE OF FINISHED ROAD
GROSS LENGTH OF PROJECT } 5,940.0 FEET = 1.125 MILES
NET LENGTH OF PROJECT }

- CONVENTIONAL SIGNS
- CENTER LINE OF SURVEY
 - RIGHT OF WAY LINE
 - COUNTY LINE
 - TOWNSHIP OR RANGE LINE
 - SECTION LINE
 - QUARTER SECTION LINE
 - CITY LIMITS
 - RAILROAD
 - BARBED WIRE FENCE
 - WOVEN WIRE COMBINATION FENCE
 - TELEPH. & TELEG. LINE
 - POWER LINE & LIGHT POLES
 - WATER MAIN
 - GAS MAIN
 - UNDERGROUND TELEPH. CABLES
 - CURB AND GUTTER IN PLACE
 - CURB AND GUTTER REQUIRED

TABULATION OF LENGTH AND DESIGN DATA

STATION	ROADWAY			
	LIN. FT.			
0+00 = BEG. F005-4 (2) 157+03.6 = END FARE 149-1 CONST. DIV. NO. 1 0+00 = BEG. FARE 131-R CONST. DIV. NO. 1 44+00 = END FARE 131-R = BEG. FARE 31 53+00.0 BK. EQUATION 52+93.0 AH. 59+33 = END F005-4 (2) = 59+33 on FARE 31	4,400.0 900.0 640.0			
TOTAL	5,940.0			
SUMMARY		LIN. FT.	MILES	
F005-4 (2) - ROADWAY		5,940.0	1.125	
TOTAL F005-4 (2)		5,940.0	1.125	
DESIGN DATA				
MAXIMUM DEGREE OF CURVE		1.00 %		
MAXIMUM GRADE		1270 FT.		
MINIMUM N.P.S.D. - HORIZONTAL		60 M.P.H. (CITY STREET)		
MINIMUM N.P.S.D. - VERTICAL				
MAXIMUM DESIGN SPEED				



NOTE:
It is recommended that bidders on this project go over the plan details with one of the following field representatives of this Department:
Glen McEldowney - Construction Engineer, Denver, Colo.
Merritt B. Smith - Resident Engineer, Denver, Colo.

HIGHWAY DEPARTMENT
STATE OF COLORADO

RECOMMENDED FOR APPROVAL:
James Bell 8-20-51
ASSISTANT ENGINEER DATE

APPROVED:
Mark C. Watson 8-20-51
STATE HIGHWAY ENGINEER DATE

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

RECOMMENDED FOR APPROVAL:

DISTRICT ENGINEER DATE

APPROVED:

DIVISION ENGINEER DATE

SE 1/4 Sec.33, T.3 S., R.67 W.

S.W.1/4 Sec.34, T.3 S., R.67 W.

FED. ROAD DIV. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	FO05-4(2)	17	

Rev. 9-13-51-Median-J.C.R.

CITY & COUNTY OF DENVER

CITY OF AURORA

3+72~ Req'd. No.13 Conc. Inlet Lt. (H=4.0'),
Extend 12" Conc. Pipe Sewer to new Inlet
& Reset No.13 Inlet Grating & Frame.
Remove Conc. Drop Inlet Lt.

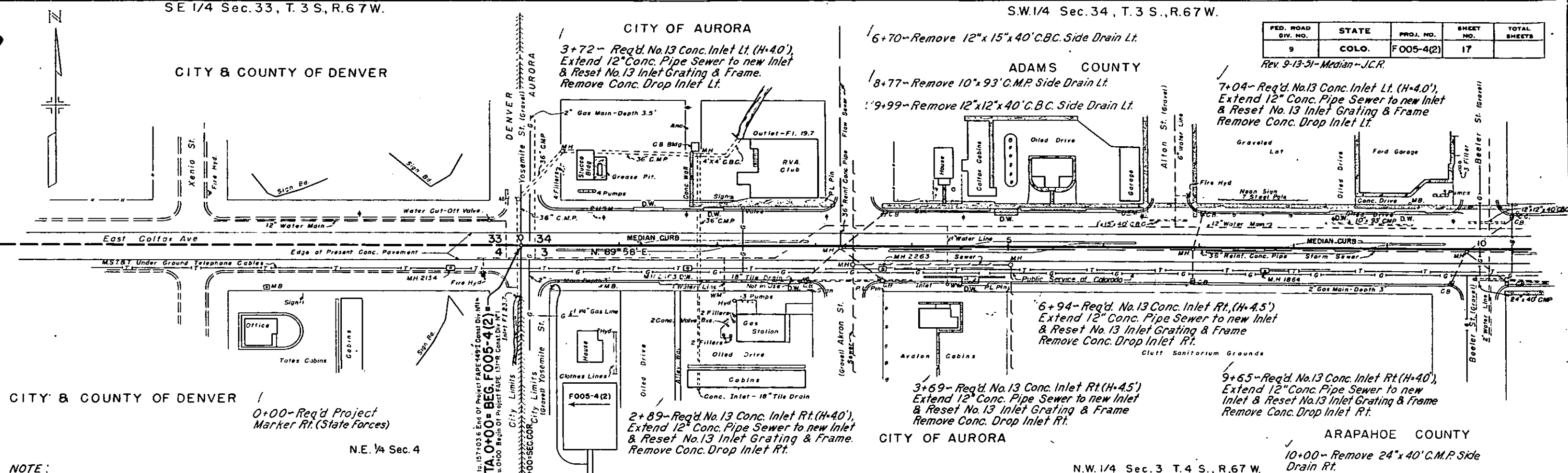
6+70~ Remove 12"x15"x40' C.B.C. Side Drain Lt.

ADAMS COUNTY

8+77~ Remove 10"x93' C.M.P. Side Drain Lt.

9+99~ Remove 12"x12"x40' C.B.C. Side Drain Lt.

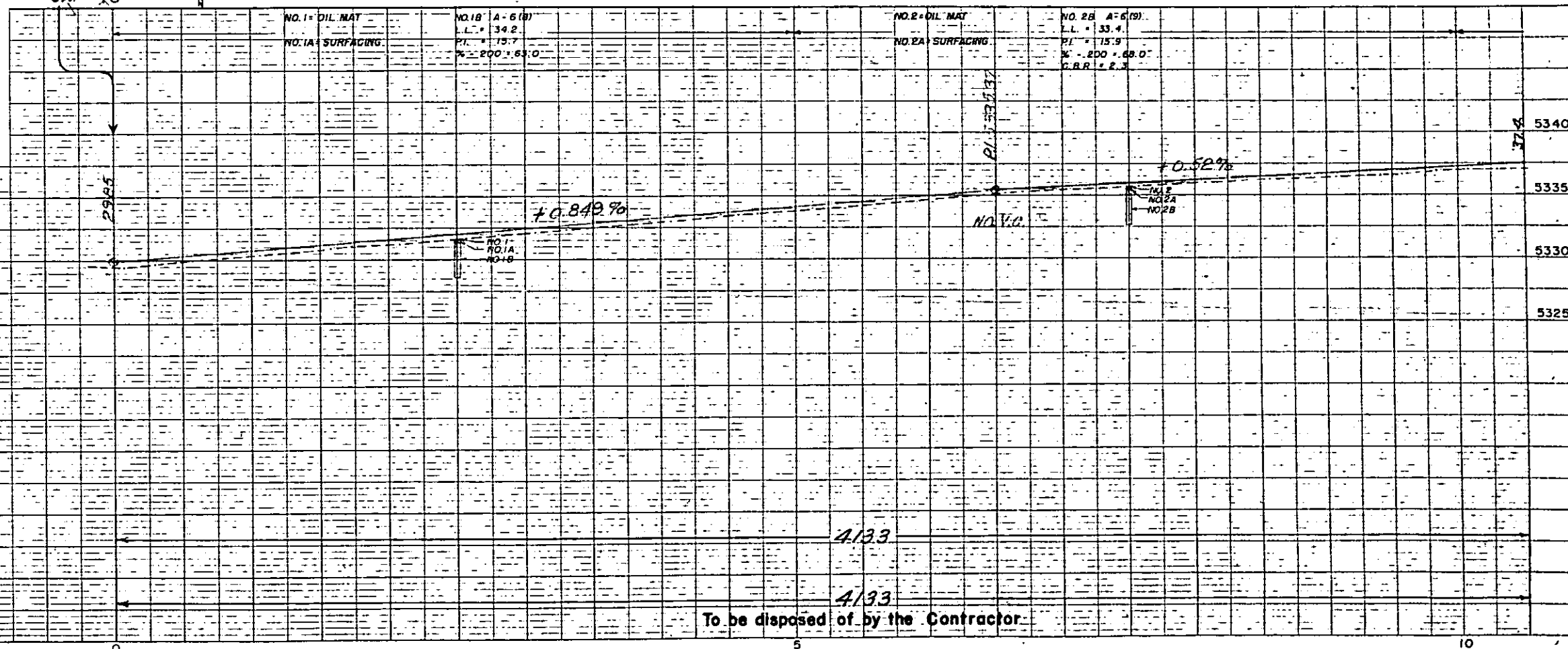
7+04~ Req'd. No.13 Conc. Inlet Lt. (H=4.0'),
Extend 12" Conc. Pipe Sewer to new Inlet
& Reset No.13 Inlet Grating & Frame
Remove Conc. Drop Inlet Lt.



NOTE:
Right of Way for this project is 50 ft. each side of & throughout.

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.



10+32~Req'd. No.13 Conc. Inlet Rt. (H=4.5'),
Extend 12" Conc. Pipe Sewer to new Inlet
& Reset No.13 Inlet Grating & Frame
Remove Conc. Drop Inlet Lt.

S.W. 1/4 Sec. 34, T. 3 S., R. 67 W.

13+61~ Adjust No.13 Conc.
Inlet Grating & Frame Lt.

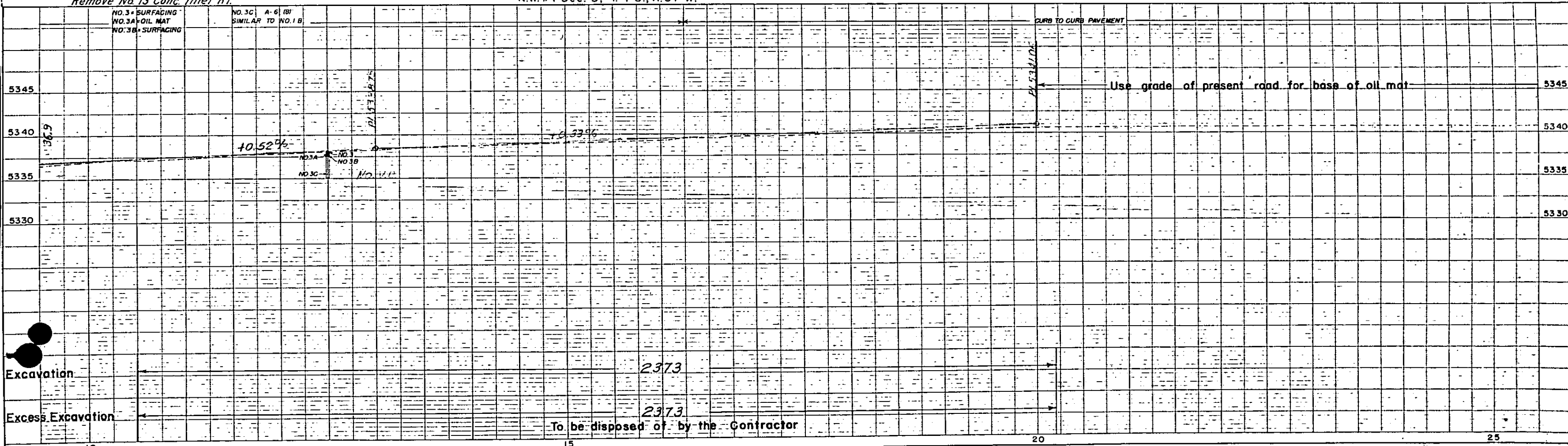
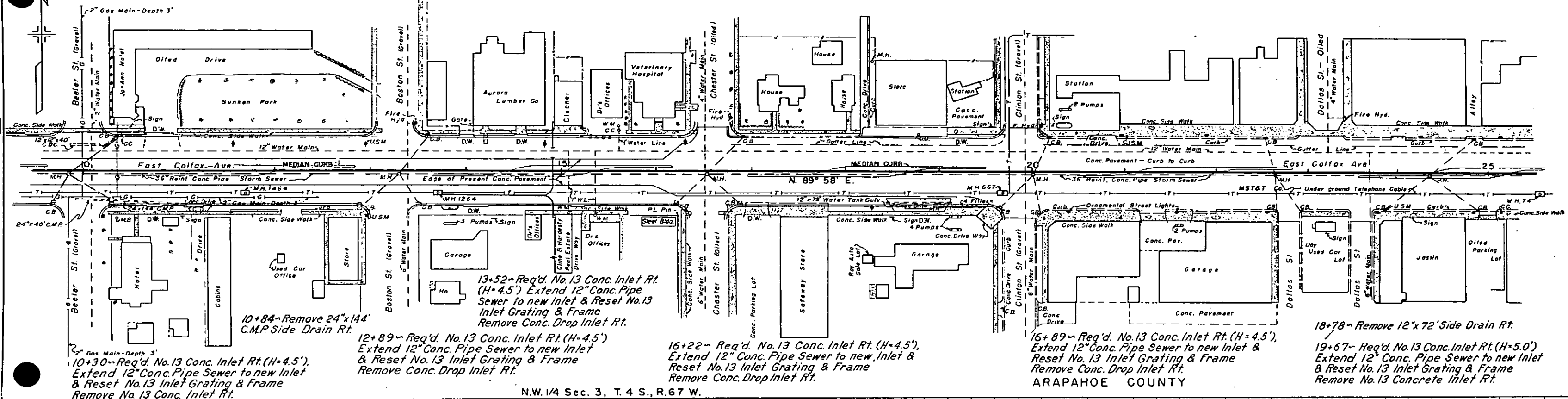
ADAMS COUNTY

16+93~ Adjust No.13 Conc.
Inlet Grating & Frame Lt.

20+20~ Adjust No.13 Conc.
Inlet Grating & Frame Lt.

FED. ROAD DIV. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	FO05-4(2)	18	

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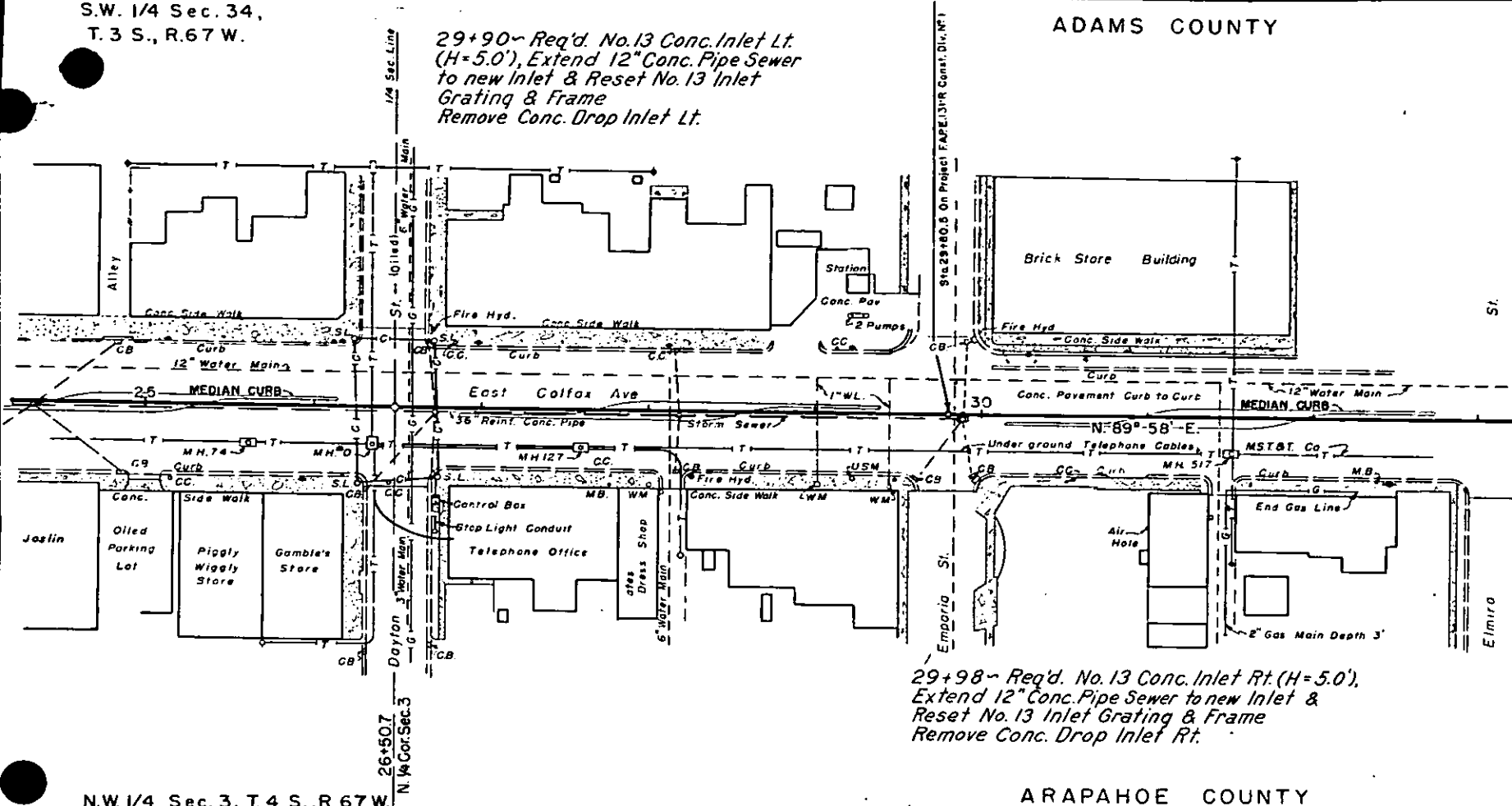
S.W. 1/4 Sec. 34,
T. 3 S., R. 67 W.

ADAMS COUNTY

SE. 1/4 Sec. 34, T. 3 S., R. 67 W.

FED. ROAD DIV. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	F005-4(2)	19	

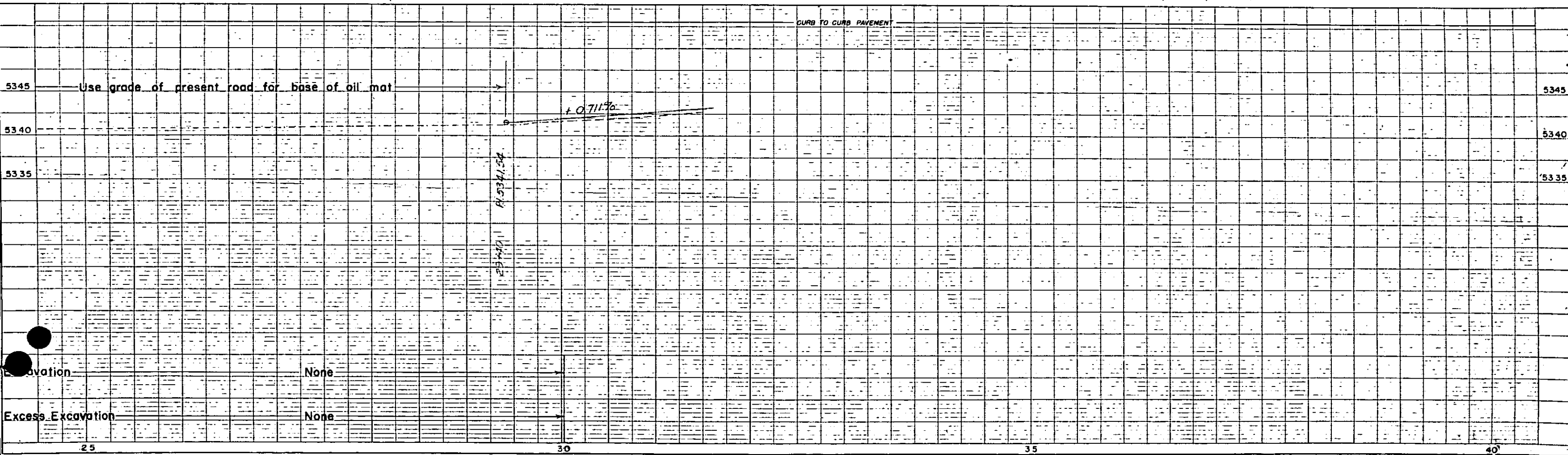
Rev. 9-13-51-Median-J.C.R.



N.W. 1/4 Sec. 3, T. 4 S., R. 67 W.

ARAPAHOE COUNTY

N.E. 1/4 Sec. 3, T. 4 S., R. 67 W.



Excavation

None

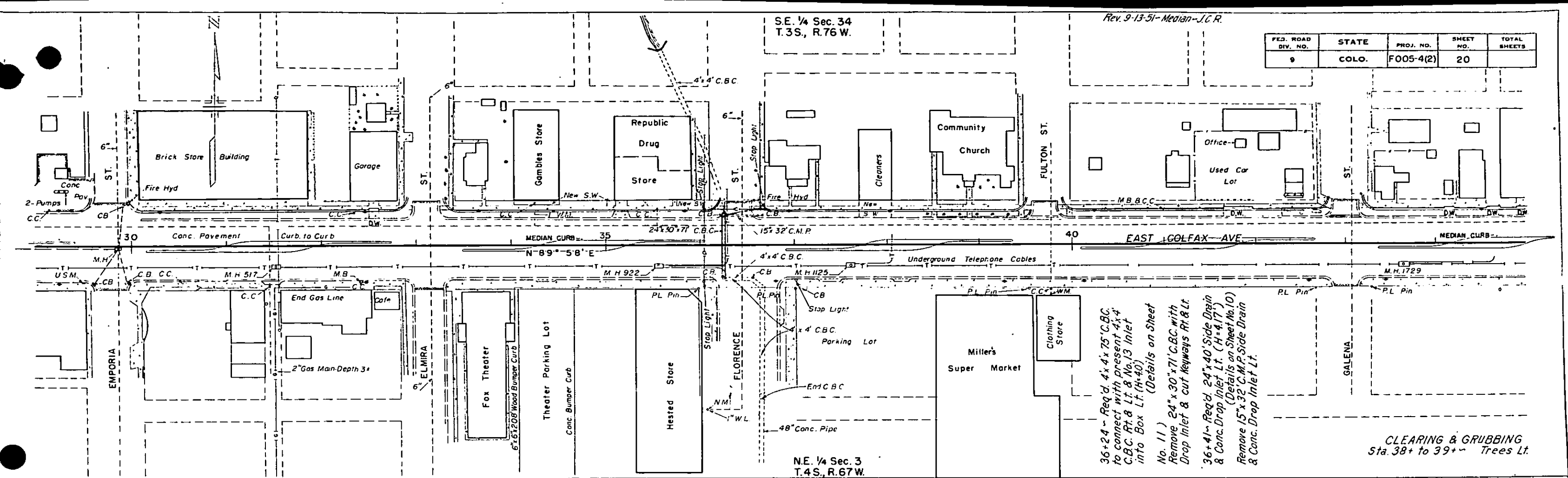
Excess Excavation

None

SE 1/4 Sec. 34
T.3S., R.76W.

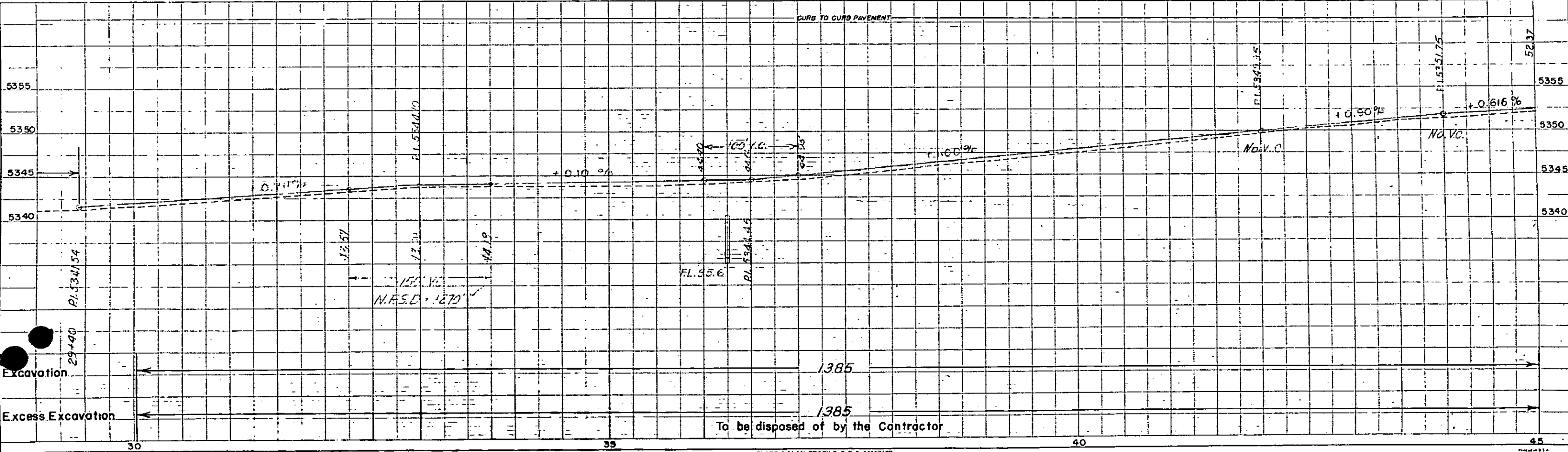
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FED. ROAD DIV. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	FO05-4(2)	20	



36x24 ~ Req'd 4x4x75' C.B.C.
to connect with present 4x4
C.B.C. Rt & Lt & No. 13 Inlet
into Box Lt. (H=40)
(Details on Sheet
No. 11)
Remove 24" x 30" x 71' C.B.C. with
Drop Inlet & cut keyways Rt & Lt.
36x41 ~ Req'd 24" x 40" Side Drain
& Conc. Drop Inlet Lt. (H=47)
(Details on Sheet No. 10)
Remove 15" x 32" C.M.P. Side Drain
& Conc. Drop Inlet Lt.

CLEARING & GRUBBING
Sta. 38+ to 39+ ~ Trees Lt.

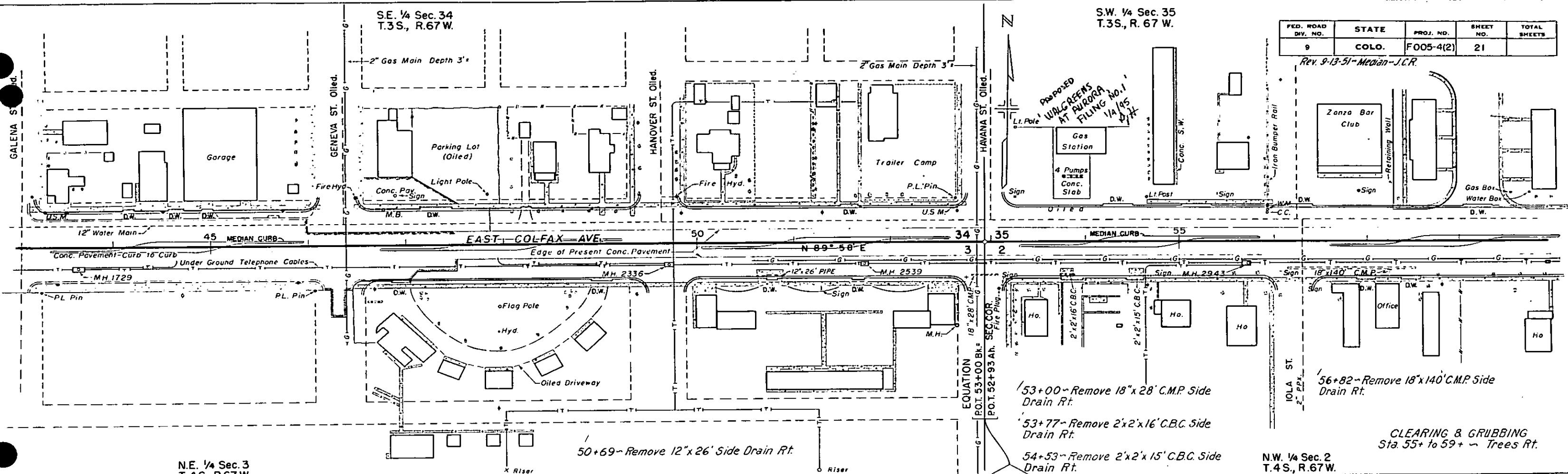


SE. 1/4 Sec. 34
T.3S., R.67W.

S.W. 1/4 Sec. 35
T.3S., R. 67 W.

FED. ROAD DIV. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	F005-4(2)	21	

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N.E. 1/4 Sec. 3
T.4S., R.67W.

N.W. 1/4 Sec. 2
T.4S., R.67W.

50+69~ Remove 12"x 26' Side Drain Rt.

53+00~ Remove 18"x 28' C.M.P. Side Drain Rt.

53+77~ Remove 2'x2'x16' C.B.C. Side Drain Rt.

54+53~ Remove 2'x2'x15' C.B.C. Side Drain Rt.

56+82~ Remove 18"x140' C.M.P. Side Drain Rt.

CLEARING & GRUBBING
Sta. 55+ to 59+ ~ Trees Rt.

CURB TO CURB PAVEMENT

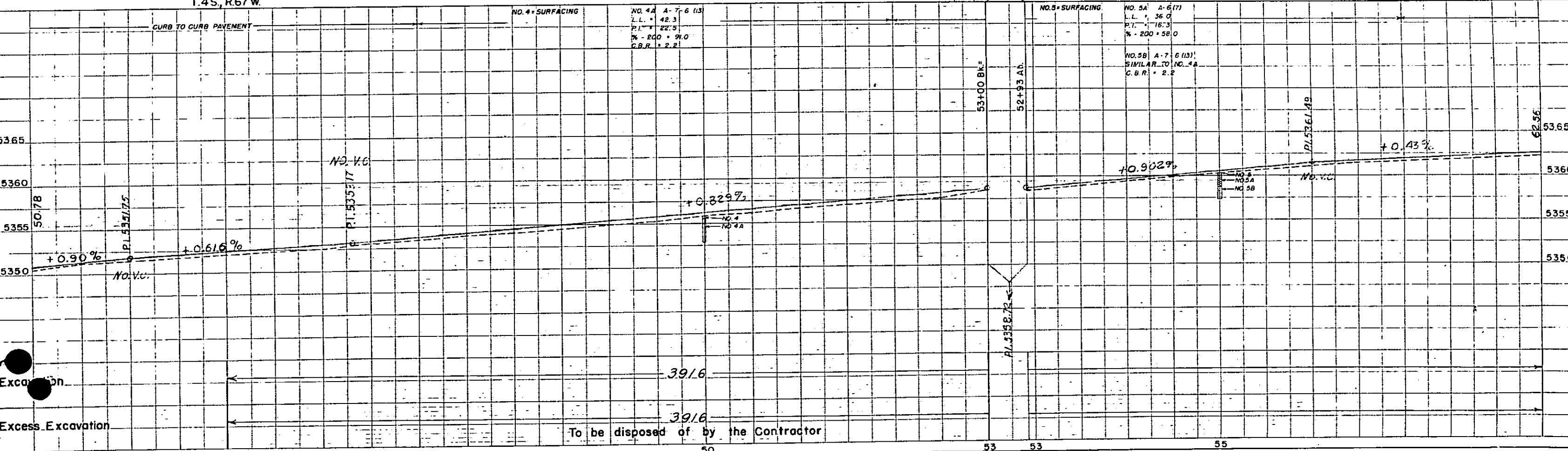
NO. 4 SURFACING

NO. 4A A-7-6 (13)
L.L. = 42.3
P.I. = 22.3
% = 200 = 94.0
C.B.R. = 2.2

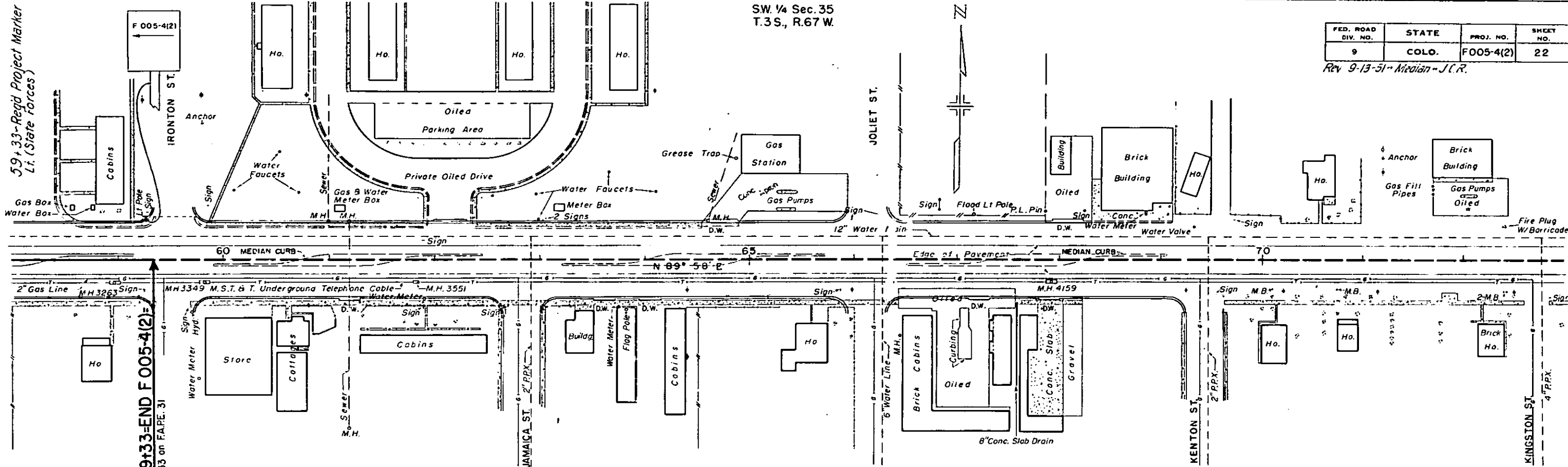
NO. 5 SURFACING

NO. 5A A-6 (17)
L.L. = 36.0
P.I. = 16.3
% = 200 = 58.0

NO. 5B A-7-6 (13)
SIMILAR TO NO. 4A
C.B.R. = 2.2



59+33-Regd Project Marker
Lt. (State Forces)



FED. ROAD DIV. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	FO05-4(2)	22	

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STA. 59+33=END FO05-4(2)=
STA. 59+33 on F.A.P.E. 31

N.W. 1/4 Sec. 2
T.4S., R.67W.

