

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLORADO	F 005-2(20)	1	

COLORADO DEPARTMENT OF HIGHWAYS

PLAN AND PROFILE OF PROPOSED FEDERAL AID PROJECT NO. F 005-2(20) STATE HIGHWAY NO. 2 ROUTT COUNTY

CONVENTIONAL SIGNS

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

INDEX OF SHEETS

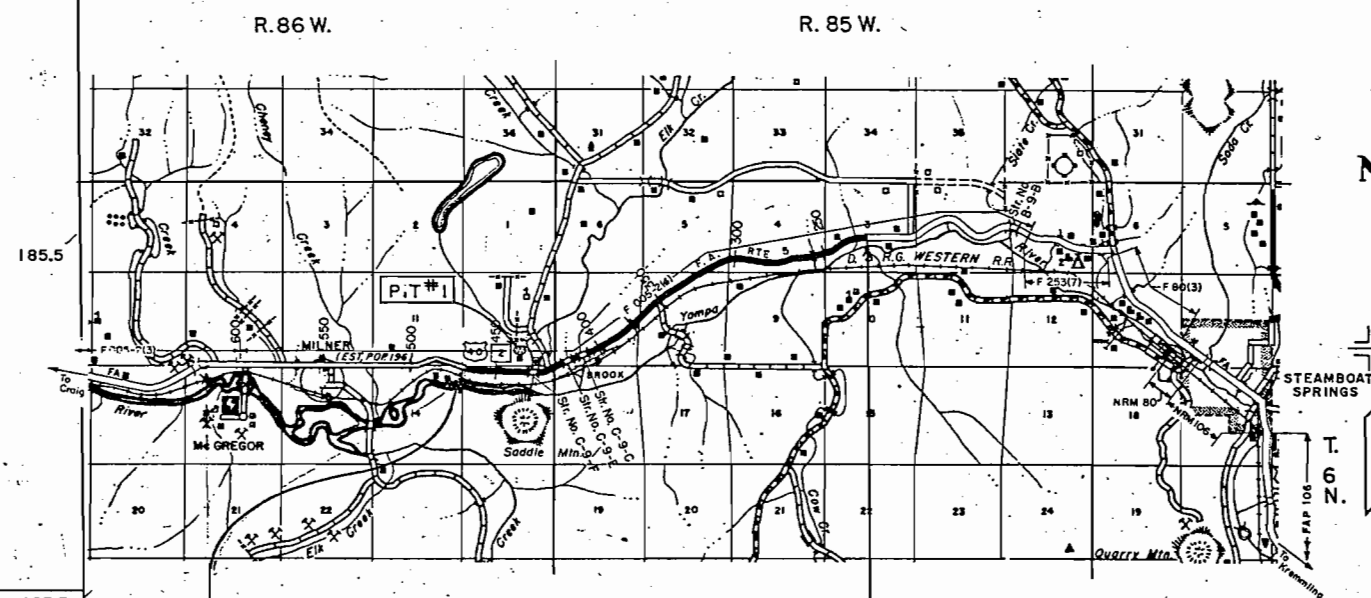
SHEET NO. 1	Title Page, Sketch Map, & Tabulation of Length & Design Data.
2	Typical Cross Section of Improvement, General Notes, & Summary of Earthwork Quantities.
3	Summary of Approximate Quantities.
4	Surfacing Plan, Sub-Base Material Plan, Typical Section of Trench for Pipe Underdrain & Sketch Map of Material Pit.
5-7	List of Structure Quantities.
8	Standard Methods for Superelevation & Widening of Curves (Crowned Highways).
9	Standard Side Approach Roads, Flaring, Cut Slope Treatment & Widening at Bridges and at Crest of Grades.
10-11	Standard Roadway Construction Traffic Signs.
12	Standard Identification Signs.
13	Standard Methods of Backfill Around Structures.
14	Standard Headwalls and Aprons for CMP Culverts.
15	Standard Types of Ditches and Construction Methods.
16-25	Alignment Plan & Profile.
26-60	Cross Sections.

TABULATION OF LENGTH AND DESIGN DATA

STATION	ROADWAY	NO WORK SECTION
	LIN. FT.	LIN. FT.
221+00 BEGIN F 005-2(20) Opposite 221+00 on F 005-2(4)	1,731.7	
238+31.7 Bk. = 238+29.1 Ah. EQUATION	1,977.1	
258+06.2 Bk. = 258+11.0 Ah. EQUATION	1,666.0	
274+77.0 Bk. = 275+53.2 Ah. EQUATION	2,138.6	
296+91.8 Bk. = 296+89.6 Ah. EQUATION	5,360.4	
350+50.0 Bk. = 351+00.0 Ah. EQUATION	2,577.7	
376+77.7 Bk. = 381+29.7 Ah. EQUATION	2,565.3	
406+95.0 BRIDGE END EAST FORK ELK RIVER. Str. No. C-9-C	1,396.5	
422+77.0 BRIDGE END Str. No. C-9-E	87.0	
423+64.0 BRIDGE END	1,367.3	
437+51.3 Bk. = 437+51.0 Ah. EQUATION	25.0	
437+76.0 BRIDGE END WEST FORK ELK RIVER. Str. No. C-9-F	146.0	
439+22.0 BRIDGE END	945.7	
448+67.7 Bk. = 444+13.4 Ah. EQUATION	2,086.6	
465+00 END F 005-2(20) Opposite 465+00 on F 005-2(4)		185.5
TOTAL	24,090.9	185.5
SUMMARY	LIN. FT.	MILES
ROADWAY (NET LENGTH)	24,090.9	4.563
NO WORK SECTION	185.5	0.035
TOTAL GROSS LENGTH	24,276.4	4.598
DESIGN DATA		
MAXIMUM DEGREE OF CURVE	3° 00'	
MAXIMUM GRADE	1.80%	
MINIMUM N.P.S.D. - HORIZONTAL	670'	
MINIMUM N.P.S.D. - VERTICAL	500'	
MAXIMUM DESIGN SPEED	60 mph.	

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
GROSS LENGTH OF PROJECT = 24,276.4 Ft. = 4.598 MI.
NET LENGTH OF PROJECT = 24,090.9 Ft. = 4.563 MI.



STA. 465+00 END F 005-2(20) Opposite
465+00 on F 005-2(4)

STA. 221+00 BEGIN F 005-2(20) Opposite
221+00 on F 005-2(4)

SCALE OF MILES
0 1/2 1 2 3

SEE SPECIAL PROVISIONS FOR NOTICE TO BIDDERS

COLORADO
DEPARTMENT OF HIGHWAYS

APPROVED: *Mark T. McIntire* 8-14-61
CHIEF ENGINEER DATE

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

APPROVED: _____ DATE _____

DIVISION ENGINEER

S.W. 1/4, Sec. 3
T. 6 N., R. 85 W.

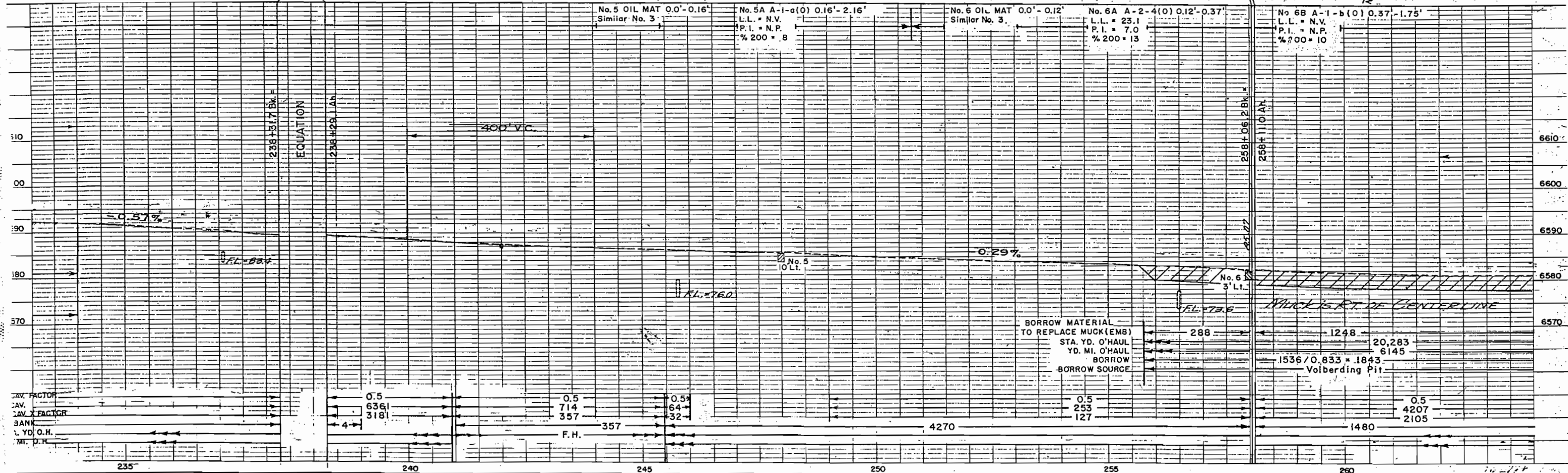
(PROJ.)

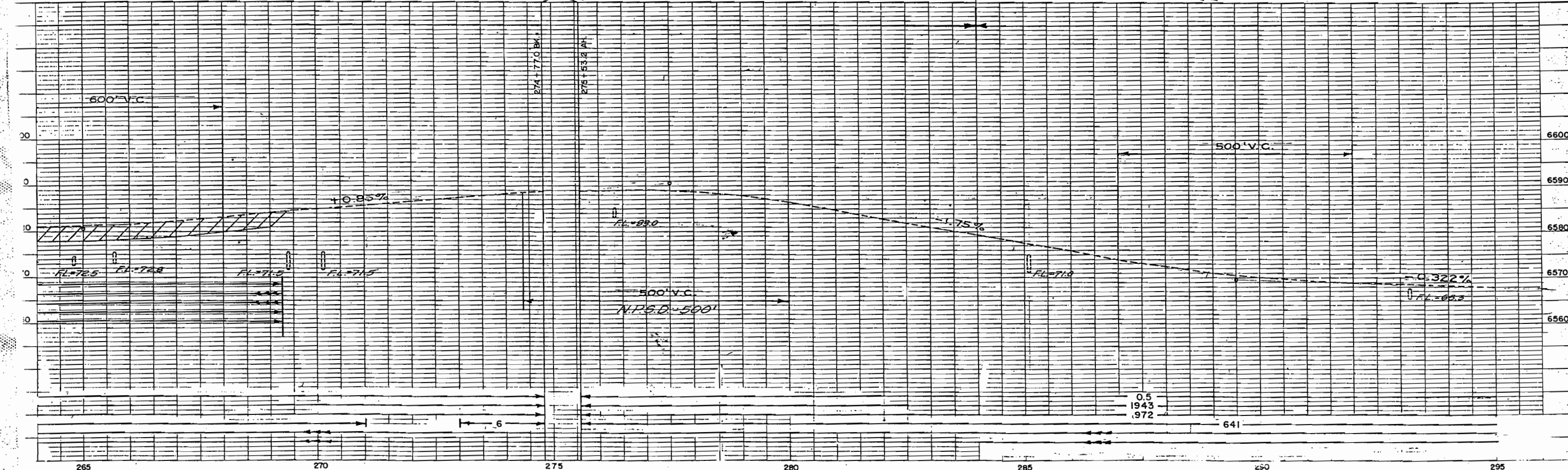
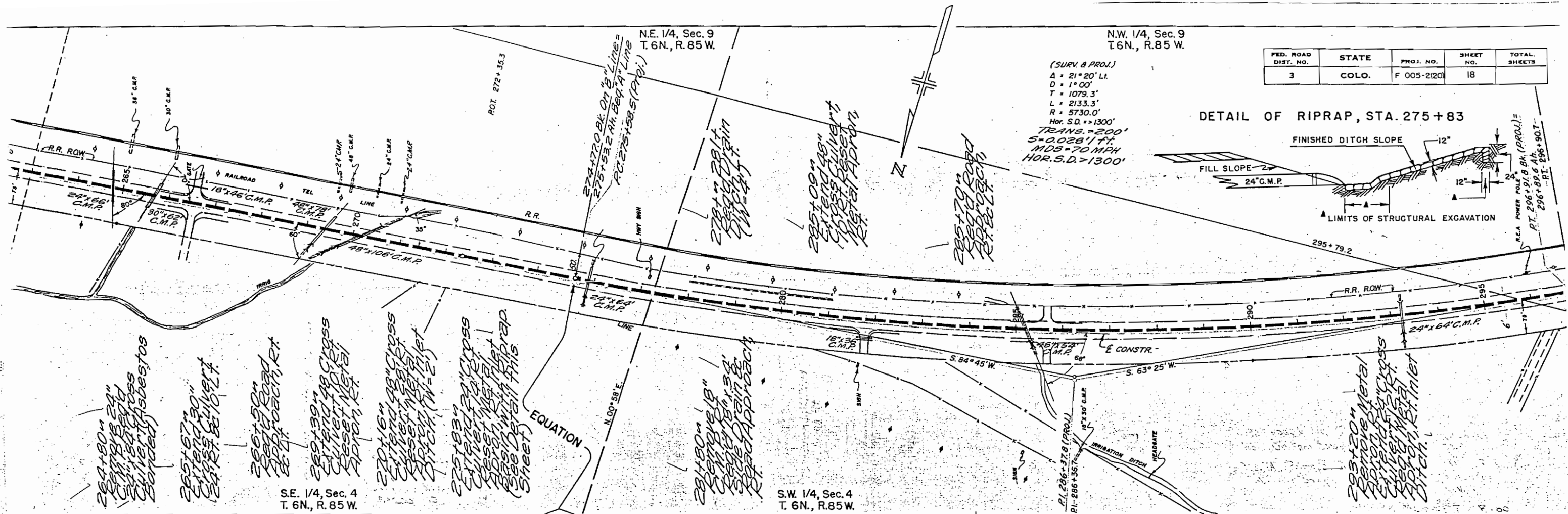
$\Delta_3 = 30^\circ 10' \text{ L.T.}$
 $T_3 = 640.1'$
 $E_3 = 69.8'$

$\Delta_c = 22^\circ 40'$
 $D_c = 3^\circ 00'$
 $T_c = 382.8'$
 $L_c = 755.6'$
 $R_c = 1910.0'$
 $S = 0.076' \text{ ft}$
 $MDS = 70 \text{ MPH}$
 $HOR. S.D. > 1300'$

$\Delta = 30^\circ 10' \text{ L.T.}$
 $D = 3^\circ 00'$
 $T = 514.8'$
 $L = 1005.6'$
 $R = 1910.0'$
 $HOR. S.D. = 790'$

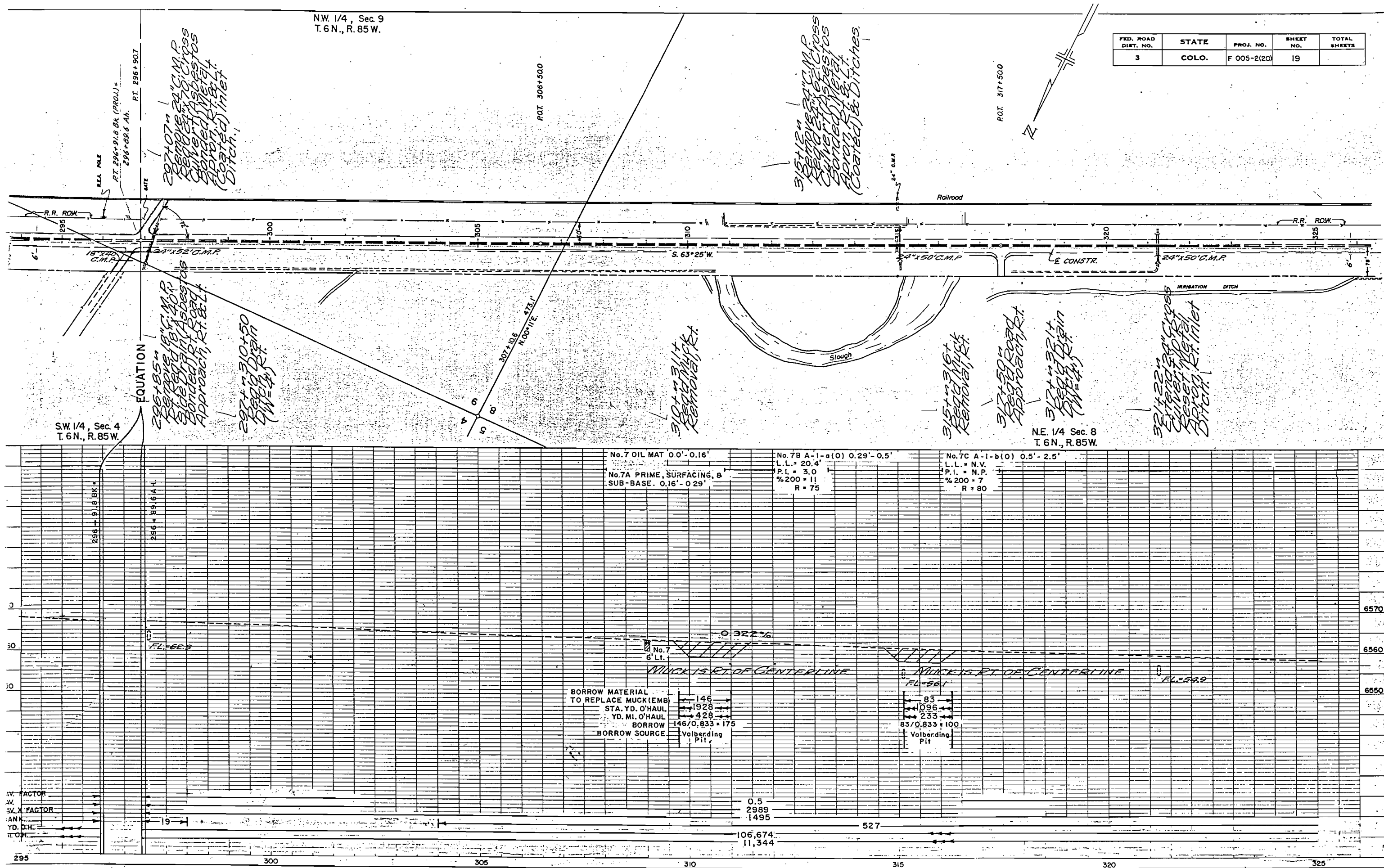






NW 1/4, Sec. 9
T.6N., R. 85W.

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	F 005-2(20)	19	



IV. FACTOR
IV. X FACTOR
ANK
YD. DI.
II. O.H.

295

300

305

310

315

320

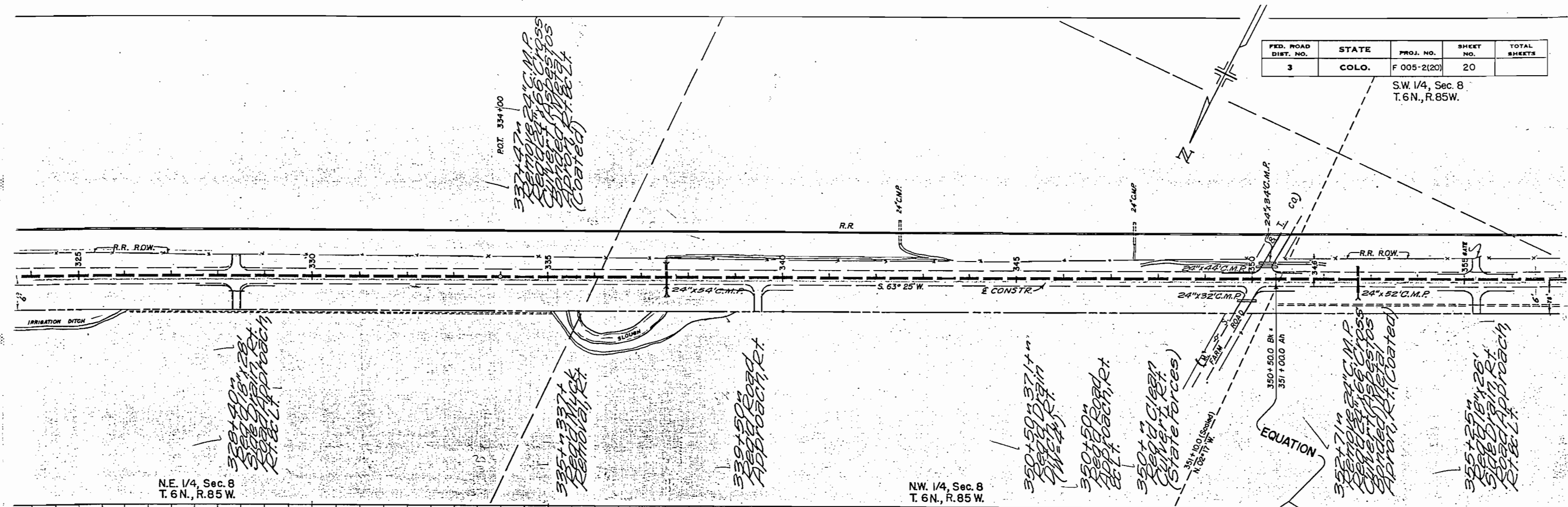
325

PLATE 1-PLAN-PROFILE S. P. R. STANDARD
RECENT EDITIONS CO., Chicago-New York

Printed in U.S.A.
On IMPERIAL Trading Cloth

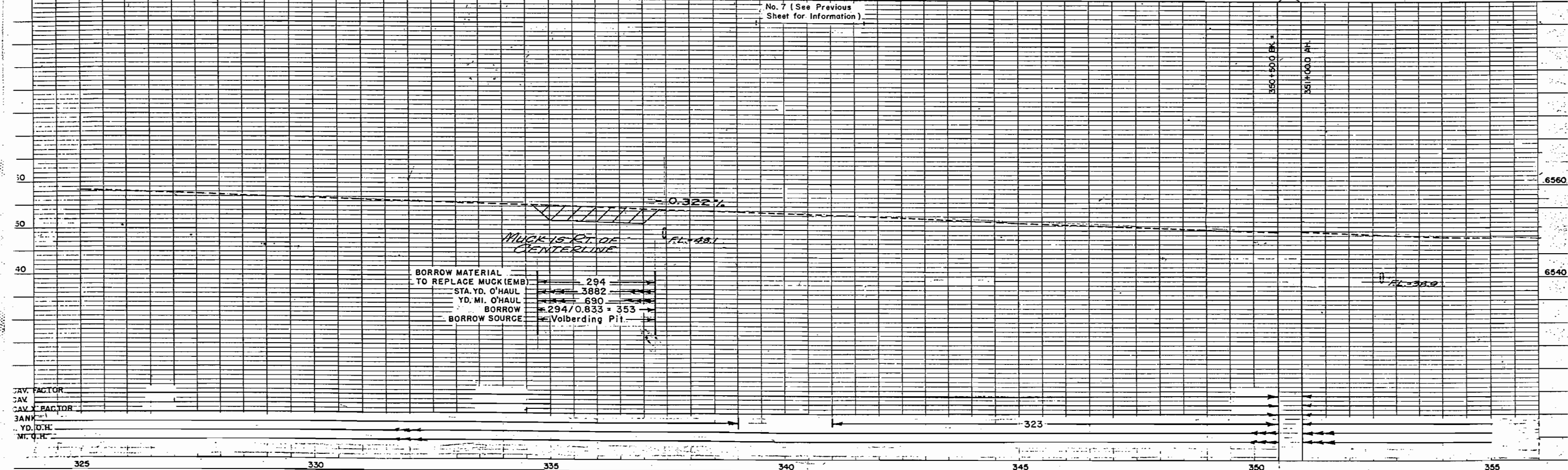
FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	F 005-2(20)	20	

S.W. 1/4, Sec. 8
T.6N., R.85W.



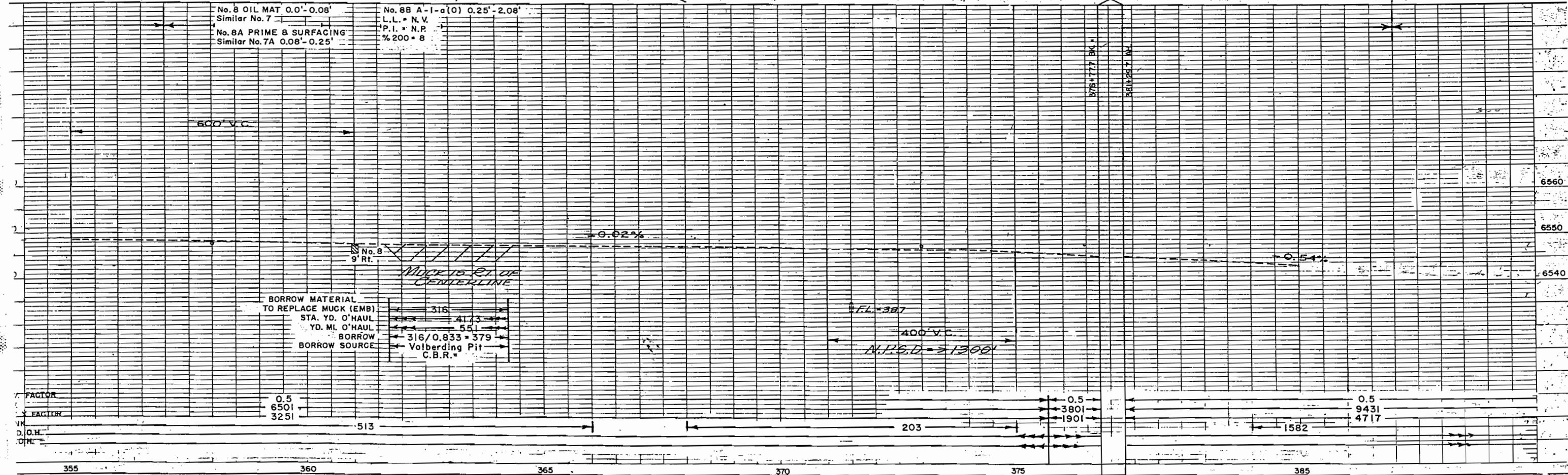
N.E. 1/4, Sec. 8
T.6N., R.85W.

N.W. 1/4, Sec. 8
T.6N., R.85W.



BORROW MATERIAL TO REPLACE MUCK (EMB)	294
STA. YD. O'HAUL	3882
YD. MI. O'HAUL	690
BORROW	294 / 0.833 = 353
BORROW SOURCE	Vorberding Pit

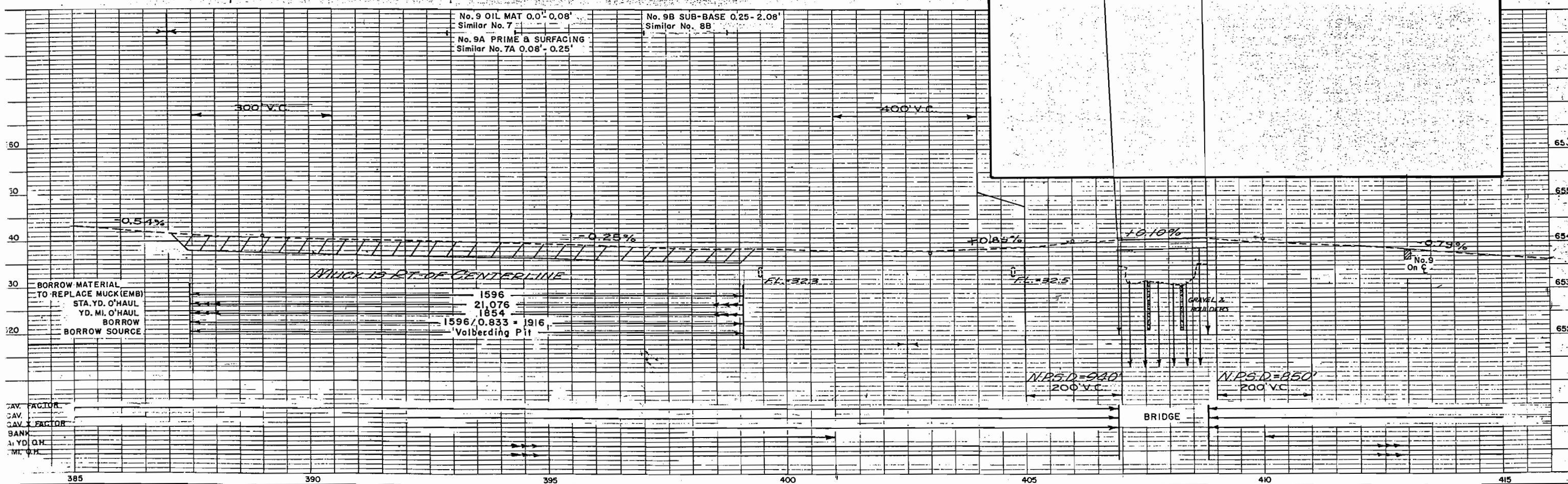
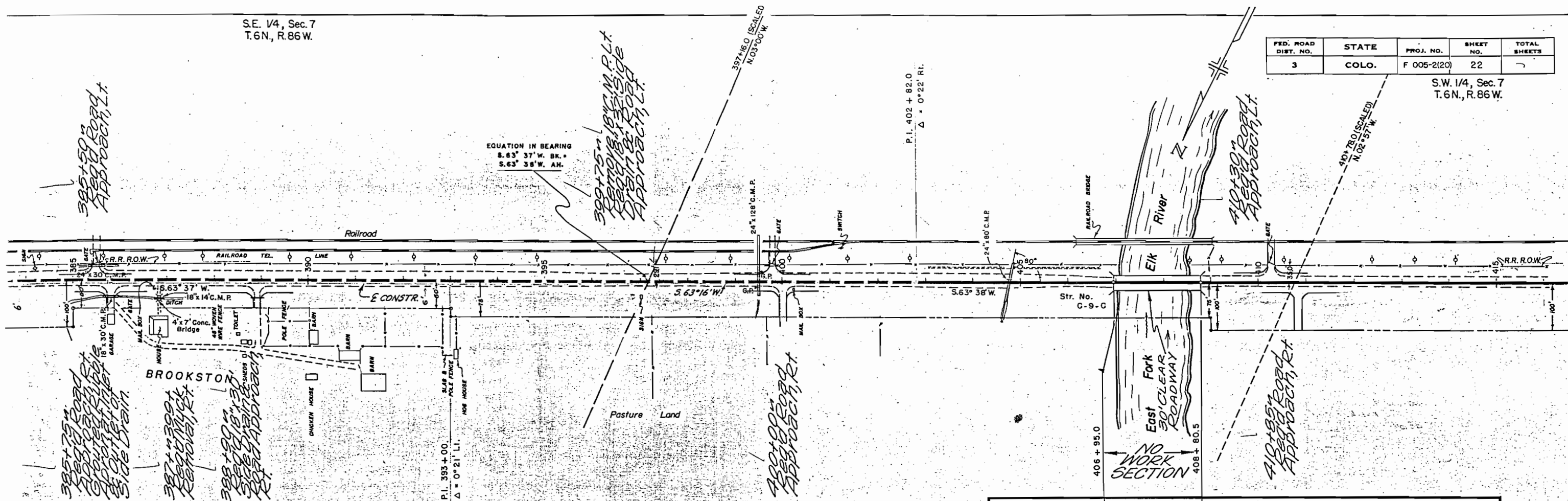
AV. FACTOR
AV. FACTOR
AV. FACTOR
YD. O'H.
MI. O'H.

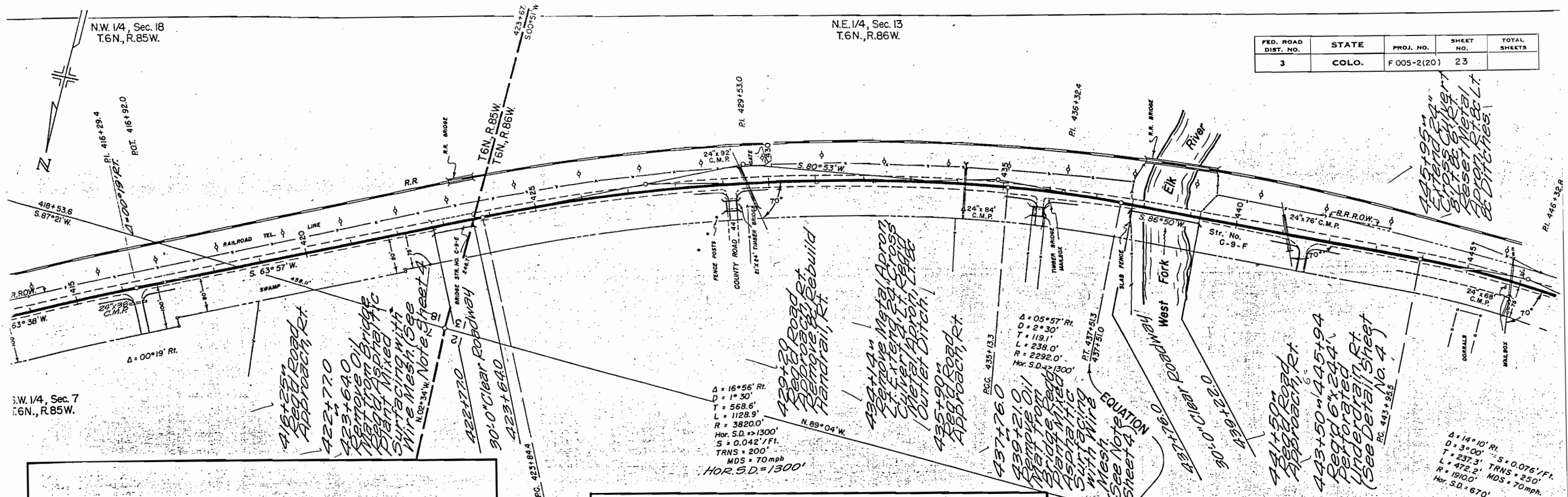


S.E. 1/4, Sec. 7
T.6N, R.86W.

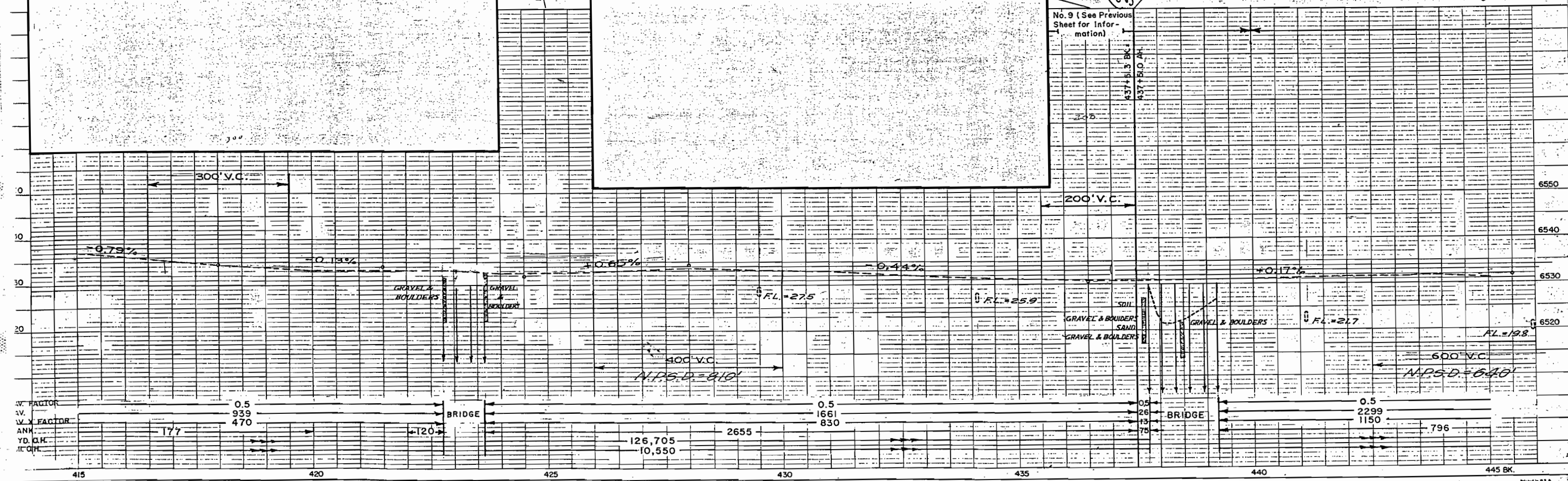
FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	F 005-2(20)	22	7

S.W. 1/4, Sec. 7
T.6N, R.86W.

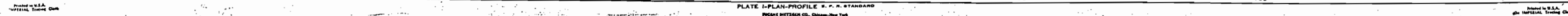




FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	F 005-2(20)	23	



FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	F 005-2(20)	24	



FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	F 005-2(20)	25	

