Rev. 8-12-53 J.P.K. Index of Sheets
Rev. 8-27-53, Index of Sheets, J.C.R.
Rev. 5-21-54, Added Sheet No. 26a, J.C.R.

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	
9	COLO.	U.I.002-2(26)	1	

UNIT 6

U1002-2(26) UNIT 6

COLORADO
DEPARTMENT OF HIGHWAYS

PLAN AND PROFILE OF PROPOSED
FEDERAL AID PROJECT NO. U1002-2 (26) Unit 6
STATE HIGHWAY NO. 185

SCALE OF ORIGINAL TRACINGS
ON PLAN 1 INCH = 100 FEET

TOTAL LENGTH OF PROJECT 12,236.80' = 2.318 MILES
NET " " " 1050.00' = 0.199 " (THIS CONSTRUCTION)

SCALES
ON PLAN, 1 IN. - 100 FT.
ON PROFILE 1 IN. - 100 FT. HORIZONTAL
1 IN. - 10 FT. VERTICAL

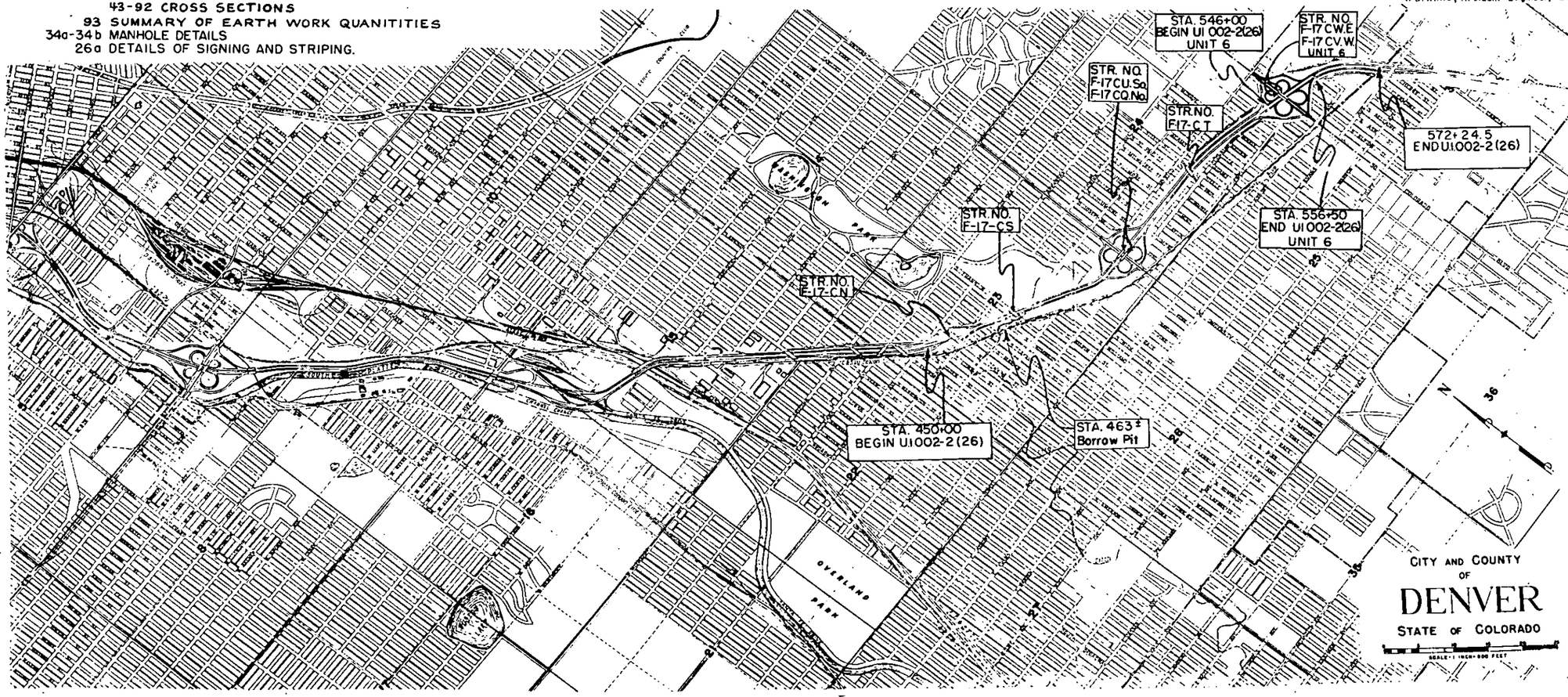
GRADE LINE ON PROFILE IS SHOWN AS GRADE OF FINISHED ROAD
GROSS LENGTH OF PROJECT
NET LENGTH OF PROJECT

INDEX OF SHEETS

CONVENTIONAL SIGNS

CENTER LINE (to PLAN SHEET / R.O.W. MARKER / TITLE SHEET)
RIGHT OF WAY LINE
COUNTY LINE
TOWNSHIP OR RANGE LINE
LAND LINE (SECTION LINE / 1/4 SECTION LINE / 1/16 SECTION LINE — TITLE SHEET / PLAN SHEET)
RAILROAD
BARBED WIRE FENCE
COMBINATION WIRE FENCE
SNOW FENCE
TELEPHONE & TELEGRAPH LINES
POWER LINE
DETOUR
PRESENT ROAD (Plan Sheets)

NOTE TO BIDDERS:
It is recommended that bidders on this project go over the plan details with one of the following field representatives of the Department.
D.W Ormsbee, Urban Engineer, Denver
E.K Merten, Construction Engineer, Denver
W.B. White, Resident Engineer, Denver

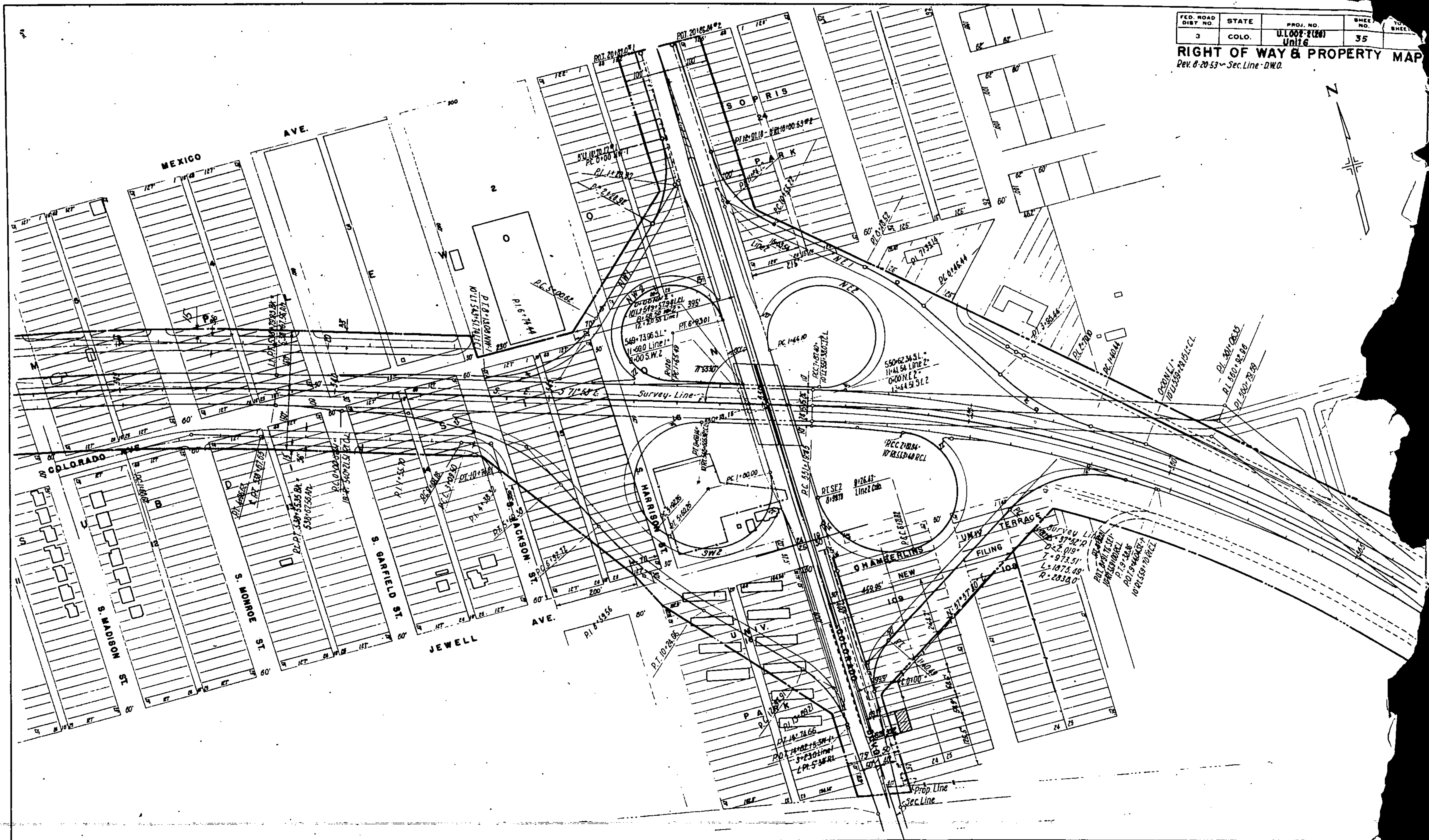


COLORADO
DEPARTMENT OF HIGHWAYS

APPROVED: Mark A. Watumull 7-23-
CHIEF ENGINEER DATE

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

APPROVED:
DISTRICT ENGINEER


FED. ROAD DIST. NO. 3
STATE COLO.
PROJ. NO. U.L.002-2(20) Unit 6
SHEET NO. 35
RIGHT OF WAY & PROPERTY MAP
Rev. 8-20-53 ~ Sec. Line - D.W.O.
N
MEXICO AVE.
COLORADO
JEWELL AVE.
S. MADISON ST.
S. MONROE ST.
S. GARFIELD ST.
JACKSON ST.
HARRISON ST.
SOPRIS
PARK
UNIV. PARK
COLORADO
CHAMBERLINS NEW
UNIV. TERRACE FILING
Survey Line
Prop. Line
Sec. Line

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	U.I.002-2(26)	36	

Rev. 8-12-53, Borrow Area Indicated, J.C.R. UNIT 6

N. Outer Highway

S. Outer Highway

OGDEN

CORONA

DOWNING AVE.

MARION

LAFAYETTE

HUMBOLDT

FRANKLIN

FLORIDA ST.

ARKANSAS ST.

EMERSON ST.

BUCHTEL BOULEVARD

IOWA AVE.

C.B.&Q. R.R.

Survey & L.L. Control Lines
Δ = 16°46'
D = 2°00'
T = 422.2'
L = 838.33'

N. Outer Hwy. ①
Δ = 49°00' Rt.
D = 9°00'
T = 290.14'
L = 544.44'
R = 636.66'

Downing St. N. Ramp

N.E. Ramp

S.E. Ramp

Downing St. S. Ramp

Pt. Control

L.L. Control

Test hole No 6

Note: Class 1 Structure Backfill material indicated by Hatched Area.

Downing St. S. Ramp

①	②	③
Δ = 110°33' Rt.	Δ = 05°36' Lt.	Δ = 12°30' Rt.
D = 14°36'	D = 6°00'	D = 10°36'
T = 80.08'	T = 55.00'	T = 62.76'
L = 161.70'	L = 100.33'	L = 125.0'
R = 520'	R = 955.62'	R = 573.0'

Downing St. N. Ramp

①	②
Δ = 13°16' Rt.	Δ = 44°11' Rt.
D = 6°00'	D = 14°36'
T = 63.30'	T = 70.29'
L = 126.83'	L = 301.55'
R = 776.3'	R = 590.8'

S.E. Ramp

④	⑤	⑥
Δ = 10°00' Lt.	Δ = 25°00' Lt.	Δ = 14°14' Rt.
D = 2°00'	D = 10°00'	D = 10°00'
T = 250.65'	T = 127.03'	T = 91.93'
L = 500.0'	L = 250.0'	L = 182.33'
R = 573.0'	R = 573.0'	R = 573.0'

N.E. Ramp

①	②
Δ = 19°00' Rt.	Δ = 09°40' Lt.
D = 14°00'	D = 12°00'
T = 60.49'	T = 40.38'
L = 135.71'	L = 80.65'
R = 409.3'	R = 477.5'

Profile - Outer Highway Between Fla. & Marion

Marion

Fla. Ave.

N. Ramp

S. Ramp

Pt. Control

L.L. Control

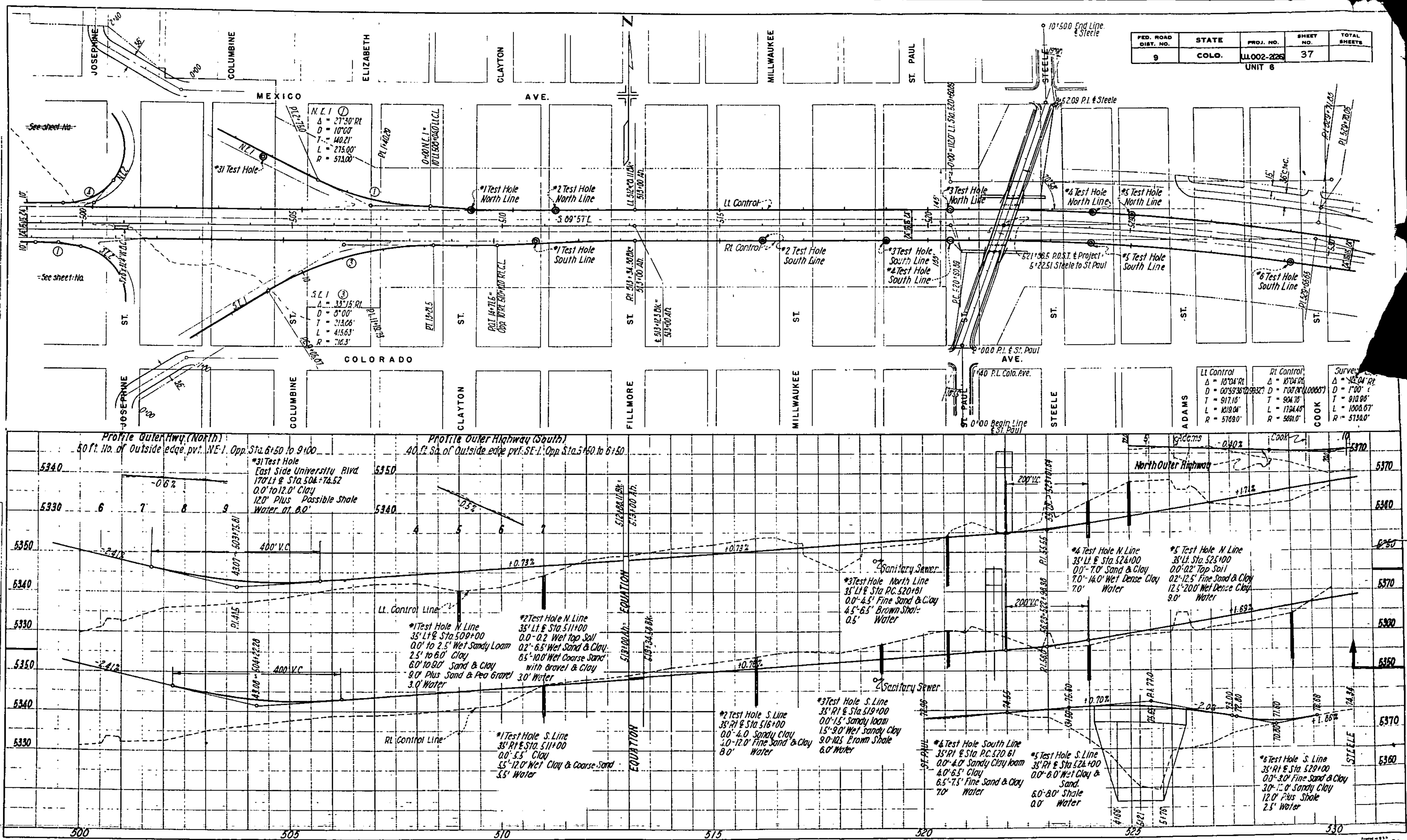
200' V.C.

#13	0'-5'	O.B.
	5'-8'	Sandy Clay
#12	0'-14	Sandy Clay
	14'-18'	Gravel
	18' —	Clay
#11	0'-13'	O.B.
	13'-14'	Gravel
	14'-15'	Clay
#17	0'-13'	Sandy Loam
#22	0'-6'	Sandy Loam
	6" +	Sand & Gravel
#21	0'-11'	O.B.
	11'-17'	Sand & Gravel
	17'-20'	Fine Sand
	20' +	Sand
#10	0'-8'	O.B.
	8'-16'	Gravel
	16'-18'	Sand

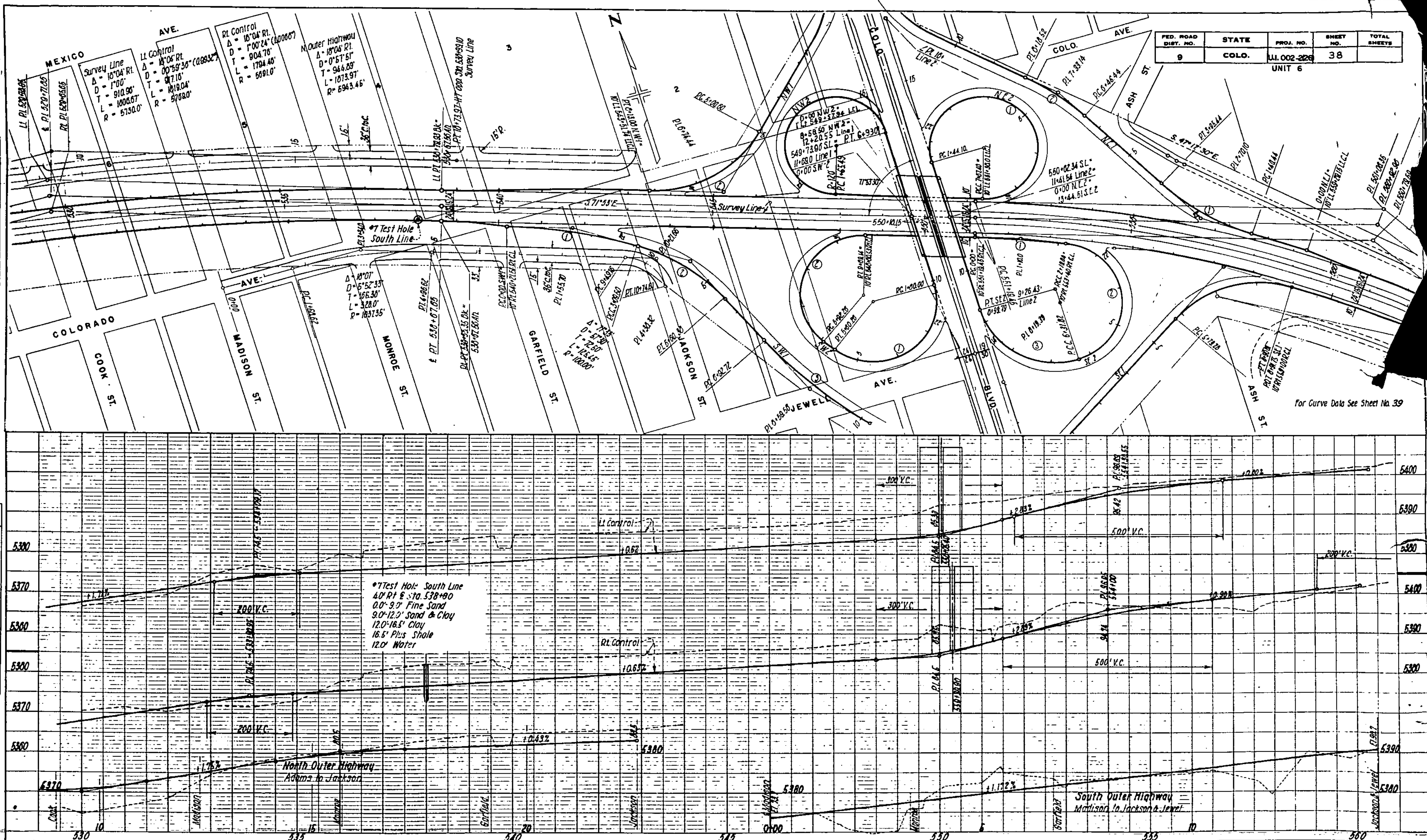
#15	0'-4'	O.B.
	4'-9'	Sand & Gravel
	8' +	Clay
#16	0'-11'	Sandy Loam
	11' +	Clay
#20	0'-3'	O.B.
	3'-12'	Sand & Gravel
	12' +	Clay
#19	0'-5'	O.B.
	5'-11'	Sand & Gravel
	11'-14'	Fine Sand
#16	0'-3'	O.B.
	5'-13'	Gravel
	13'-17'	Fine Sand
#9	0'-9'	O.B.
	9'-14'	Gravel
	14'-16'	Sand
#14	0'-6'	O.B.
	6'-7'	Gravel
	7'-13'	Fine Sand
	13'-14'	Sandy Clay

▲Borrow Pit for Unclassified Excavation

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



FED. ROAD DIST. NO. 9
STATE COLO.
PROJ. NO. U.002-2(26)
SHEET NO. 37
TOTAL SHEETS
UNIT 6
N
JOSEPHINE
COLUMBINE
ELIZABETH
CLAYTON
MILLWAUKEE
ST. PAUL
STEELE
MEXICO AVE.
COLORADO AVE.
FILLMORE
ADAMS
COOK
ST.
See sheet No.
N.E.I ① Δ = 27°30' Rt D = 10°00' T = 140.21' L = 275.00' R = 573.00'
S.E.I ③ Δ = 33°15' Rt D = 8°00' T = 213.66' L = 415.63' R = 716.3'
*31 Test Hole
*1 Test Hole North Line
*2 Test Hole North Line
*3 Test Hole North Line
*4 Test Hole North Line
*5 Test Hole North Line
*1 Test Hole South Line
*2 Test Hole South Line
*3 Test Hole South Line
*4 Test Hole South Line
*5 Test Hole South Line
*6 Test Hole South Line
Lt Control
Rt Control
S 09°57' E
10+50.0 End Line. ℄ Steele
0+00 Begin Line ℄ St. Paul
Lt Control Δ = 10°04' Rt D = 00°59'36" T = 917.16' L = 1019.04' R = 5769.0'
Rt Control Δ = 10°04' Rt T = 904.76' L = 1794.46' R = 5691.0'
Survey Δ = 10°04' Rt D = 1°00' T = 910.96' L = 1006.67' R = 5730.0'
Profile Outer Hwy (North) 50 ft. No. of Outside edge pvt. NE-1. Opp. Sta. 6+50 to 9+00
Profile Outer Highway (South) 40 ft. So. of Outside edge pvt. SE-1. Opp. Sta. 5+50 to 6+50
*31 Test Hole East Side University Blvd. 170' Lt ℄ Sta. 504+76.52 0.0' to 12.0' Clay 12.0' Plus Possible Shale Water at 6.0'
*1 Test Hole N. Line 35' Lt ℄ Sta. 509+00 0.0' to 2.5' Wet Sandy Loam 2.5' to 6.0' Clay 6.0' to 9.0' Sand & Clay 9.0' Plus Sand & Pea Gravel 3.0' Water
*2 Test Hole N. Line 35' Lt ℄ Sta. 511+00 0.0-0.2 Wet top Soil 0.2'-6.5' Wet Sand & Clay 6.5'-10.0' Wet Coarse Sand with Gravel & Clay 3.0' Water
*1 Test Hole S. Line 35' Rt ℄ Sta. 511+00 0.0'-5.5' Clay 5.5'-12.0' Wet Clay & Coarse Sand 5.5' Water
*2 Test Hole S. Line 35' Rt ℄ Sta. 516+00 0.0'-4.0 Sandy Clay 4.0-12.0' Fine Sand & Clay 8.0' Water
*3 Test Hole North Line 35' Lt ℄ Sta. P.C. 520+61 0.0'-4.5' Fine Sand & Clay 4.5'-6.5' Brown Shale 0.5' Water
*3 Test Hole S. Line 35' Rt ℄ Sta. 519+00 0.0'-1.5' Sandy loam 1.5'-9.0' Wet Sandy Clay 9.0-10.5 Brown Shale 6.0' Water
*4 Test Hole N. Line 35' Lt. ℄ Sta. 524+00 0.0'-7.0' Sand & Clay 7.0'-14.0' Wet Dense Clay 7.0' Water
*5 Test Hole N. Line 35' Lt. ℄ Sta. 525+00 0.0'-0.2' Top Soil 0.2'-12.5' Fine Sand & Clay 12.5'-20.0' Wet Dense Clay 9.0' Water
*4 Test Hole South Line 35' Rt ℄ Sta. P.C. 520.61 0.0'-4.0' Sandy Clay loam 4.0'-6.5' Clay 6.5'-7.5' Fine Sand & Clay 7.0' Water
*5 Test Hole S. Line 35' Rt ℄ Sta. 524+00 0.0'-6.0' Wet Clay & Sand 6.0'-8.0' Shale 0.0' Water
*6 Test Hole S. Line 35' Rt ℄ Sta. 529+00 0.0'-3.0' Fine Sand & Clay 3.0'-12.0' Sandy Clay 12.0' Plus Shale 2.5' Water
North Outer Highway
Lt. Control Line
Rt. Control Line
Sanitary Sewer
EQUATION
400' V.C.
200' V.C.
500
505
510
515
520
525
530
PLATE 1-PLAN-PROFILE



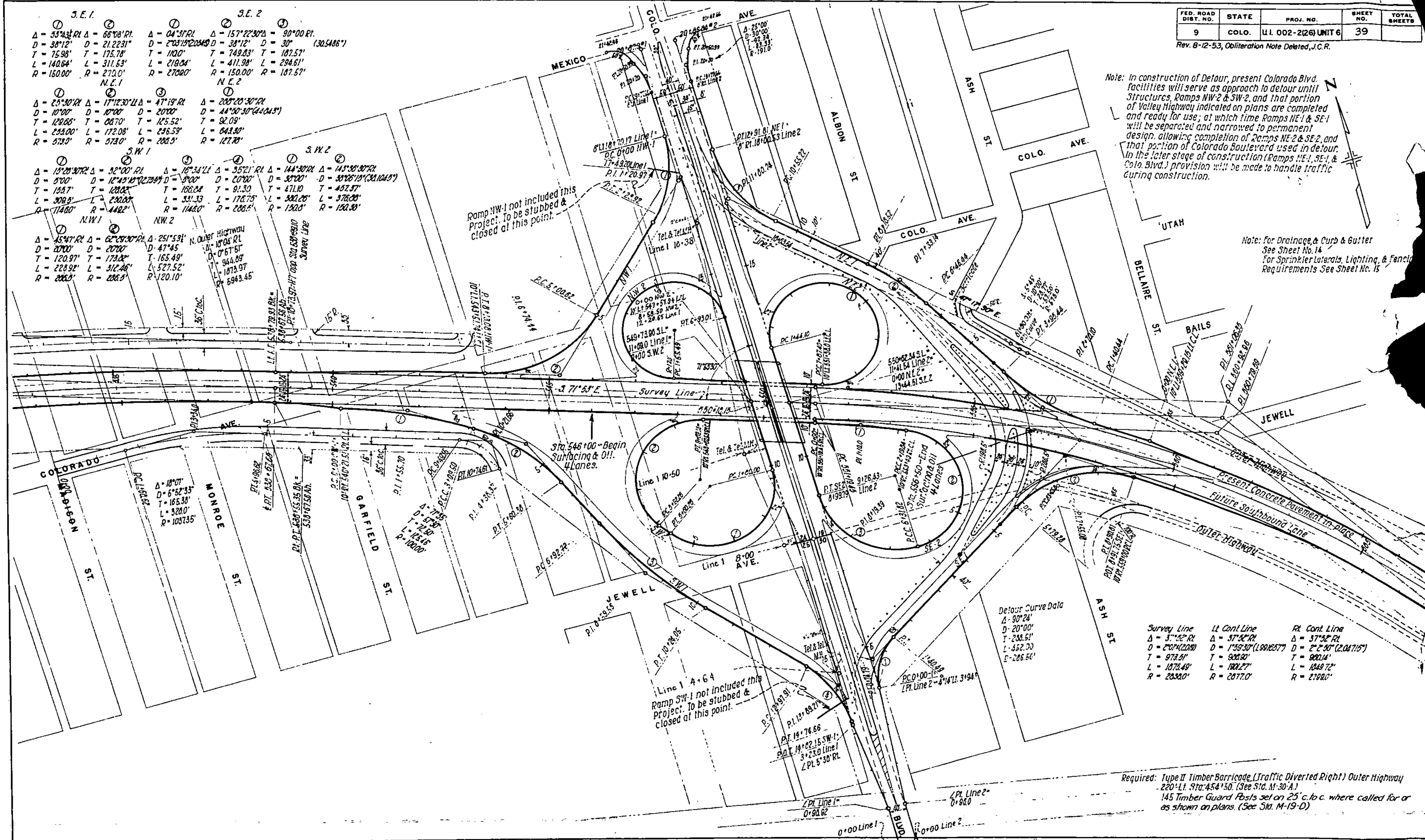
FED. ROAD DIST. NO. 9
STATE COLO.
PROJ. NO. U.I. 002-2(26)
SHEET NO. 38
TOTAL SHEETS
UNIT 6
MEXICO AVE.
COLORADO AVE.
COLO. BLVD.
JEWELL AVE.
COOK ST.
MADISON ST.
MONROE ST.
GARFIELD ST.
JACKSON ST.
ASH ST.
Survey Line Δ = 18°04' Rt. D = 1°00' T = 910.90' L = 1806.67' R = 5730.0'
Lt. Control Δ = 18°04' Rt.
Rt. Control Δ = 18°04' Rt. D = 1°00'24" T = 904.76' L = 1794.46' R = 5691.0'
N. Outer Highway Δ = 18°06' Rt. D = 0°57'51" T = 944.89' L = 1873.97' R = 5943.46'
Δ = 18°07' D = 5°52'33" T = 166.30' L = 328.0' R = 1037.35'
#7 Test Hole South Line
S. 71°53' E.
Survey Line
S. 47°17'30" E.
For Curve Data See Sheet No. 39
#7 Test Hole South Line
4.0' Rt. ℄ Sta. 538+80
0.0'-9.0' Fine Sand
9.0'-12.0' Sand & Clay
12.0-16.5' Clay
16.5' Plus Shale
12.0' Water
Lt. Control
Rt. Control
200' V.C.
300' V.C.
500' V.C.
North Outer Highway
Adams to Jackson
South Outer Highway
Madison to Jackson & Jewel
+1.71%
+0.62
+2.83%
+0.80%
+0.65%
+2.85%
+0.90%
+1.75%
+0.43%
+1.132%
5400
5390
5380
5370
5360
530
535
540
545
550
555
560
PLATE 1-PLAN-PROFILE

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	U.I. 002-2(26) UNIT 6	39	

Rev. 8-12-53, Obliteration Note Deleted, J.C.R.

Note: In construction of Detour, present Colorado Blvd. facilities will serve as approach to detour until Structures, Ramps NW-2 & SW-2, and that portion of Valley Highway indicated on plans are completed and ready for use; at which time Ramps NE-1 & SE-1 will be separated and narrowed to permanent design, allowing completion of Ramps NE-2 & SE-2, and that portion of Colorado Boulevard used in detour. In the later stage of construction (Ramps NE-1, SE-1, & Colo. Blvd.) provision will be made to handle traffic during construction.

Note: For Drainage, & Curb & Gutter See Sheet No. 14
For Sprinkler Laterals, Lighting, & Fencing Requirements See Sheet No. 15



Required: Type II Timber Barricade (Traffic Diverted Right) Outer Highway 220' Lt. Sta. 454+50. (See Std. M-30-A.)
145 Timber Guard Posts set on 25' c. to c. where called for or as shown on plans. (See Std. M-19-D)