

COLORADO DEPARTMENT OF HIGHWAYS

PLAN AND PROFILE OF PROPOSED FEDERAL AID PROJECT NO. I-70-4(22)287 STATE HIGHWAY NO. 72 DENVER COUNTY

REGION NO. DIVISION
I-70-4(22)287
ROW PROJECT NO. I-70-4(22)287

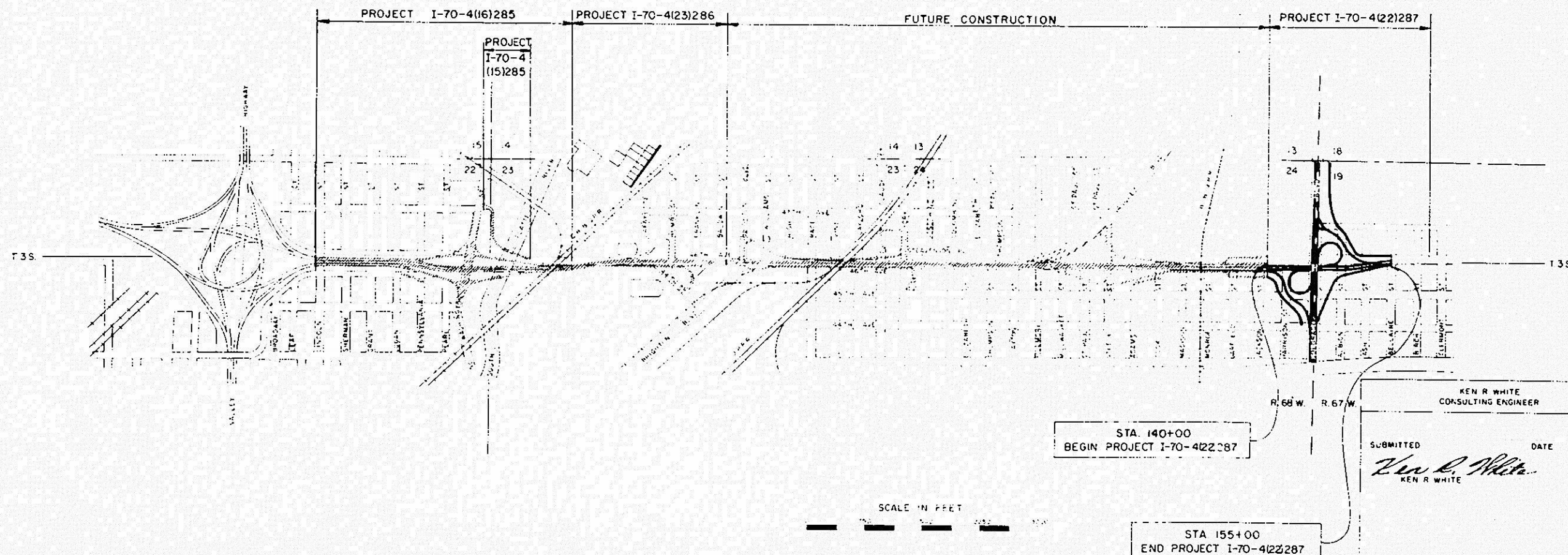
CONVENTIONAL SIGNS

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

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	SKETCH MAP AND TITLE SHEET
2	TYPICAL SECTIONS
3	TABULATION OF LENGTH AND DESIGN DATA, GENERAL NOTES, TABULATION OF SECTIONS
4	TIMBER GUARD POSTS, SUMMARY OF EARTHWORK
5	SUMMARY OF APPROXIMATE QUANTITIES
6-7	TABULATION OF SURFACING
8	TABULATION OF CURBS AND GUTTERS
9-10	STORM SEWERS
11	TYPICAL RAMP DETAILS
12-17	DETAILS OF BRIDGES STA 19+32.9 TO STA 21+42.9 COLORADO BLVD.
18	DETAILS SHOWING PORTIONS OF STRUCTURE TO RECEIVE CLASS "I" SURFACE FINISH
19	METHODS FOR SUPERELEVATION OF CURVES IN URBAN AREAS
20-21	TABLES FOR SUPERELEVATION OF CURVES
22	CONCRETE INLET NO. 3
23	MANHOLE DETAILS TYPE 1, 1A & 2
24	STANDARD MARKER POSTS AND BENCH MARKS
25	STANDARD CONCRETE PAVEMENT JOINT DETAILS
26	STANDARD LETTERS AND FIGURES FOR YEAR NUMBERS AND STRUCTURE NUMBERS
27	STANDARD TIMBER GUARD POSTS
28	STANDARD METAL PLATE GUARD FENCE (REAM TYPE)
29	CHAIN LINK WIRE MESH (SCHOOL) FENCE
30	STANDARD BARRIER FENCE
31	STANDARD ROADWAY CONSTRUCTION TRAFFIC SIGNS
32	STANDARD IDENTIFICATION SIGNS
33	STANDARD CURBS AND GUTTERS
34	STANDARD CONCRETE INLET FOR MEDIAN DITCH
35	STANDARD METHODS OF BACKFILL AROUND STRUCTURES
36	REINFORCED CONCRETE CULVERT PIPE AND CONCRETE SEWER PIPE
37	STANDARD FLARED END SECTION
38-40	PLAN AND PROFILE INTERSTATE - LAYOUT
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49-50	PLAN AND PROFILE COLORADO BLVD. - DRAINAGE
51-52	CROSS SECTIONS

PLAN SCALE: 1" = 50 FT
PROFILE SCALE: 1" = 10 FT
HORIZONTAL SCALE: 1" = 100 FT
VERTICAL SCALE: 1" = 10 FT
HORIZONTAL SCALE: 1" = 100 FT
VERTICAL SCALE: 1" = 10 FT
HORIZONTAL SCALE: 1" = 100 FT
VERTICAL SCALE: 1" = 10 FT



SEE SPECIAL PROVISIONS FOR NOTICE
TO BIDDERS

APPROVED: *Ken R. White* DATE: 6/17/62

DEPARTMENT OF HIGHWAYS
BUREAU OF PUBLIC ROADS

APPROVED: _____ DATE: _____

DIVISION ENGINEER

KEN R. WHITE
CONSULTING ENGINEER

SUBMITTED: *Ken R. White* DATE: _____

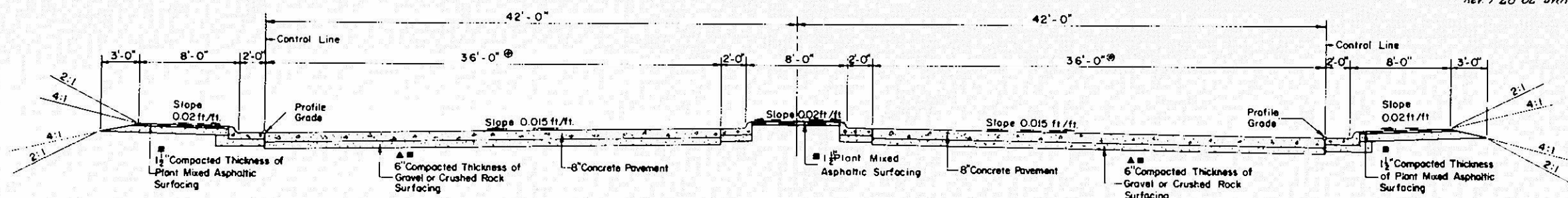
KEN R. WHITE

STA 140+00
BEGIN PROJECT I-70-4(22)287

STA 155+00
END PROJECT I-70-4(22)287

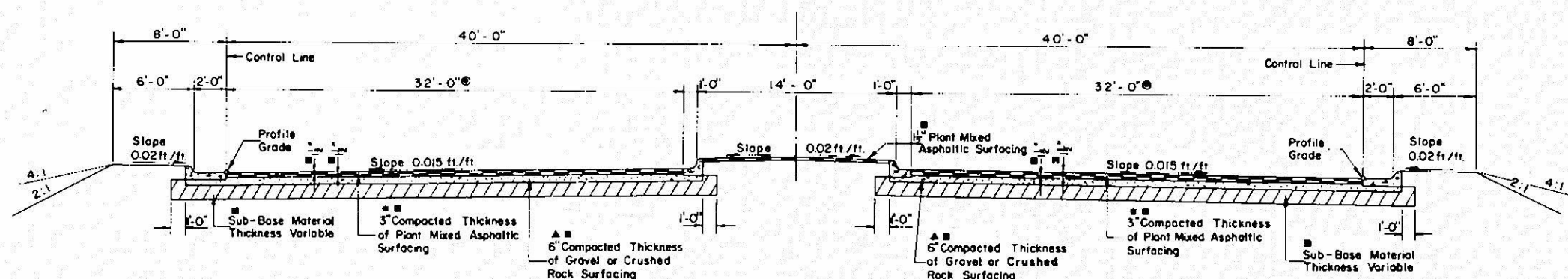
SCALE IN FEET

Rev 7-26-62 JMK-End Stations on Sec. 6 & Sec. 5.

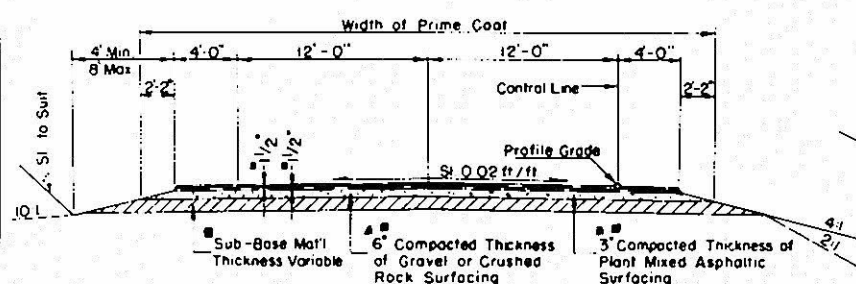


SECTION 1
(INTERSTATE)
STA. 140+00 To STA. 155+00

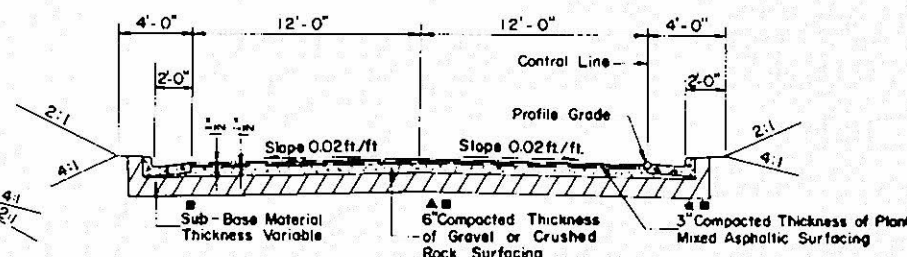
Where Speed Change Lanes are Required the Pavement Shall be Widened 12' Outside of Control Line. Concrete Gutter and Shoulder to be Constructed in Same Relation to Either Widened or Standard Pavement.



SECTION 2
(COLORADO BLVD.)
STA. 5+00 To STA. 32+99.4



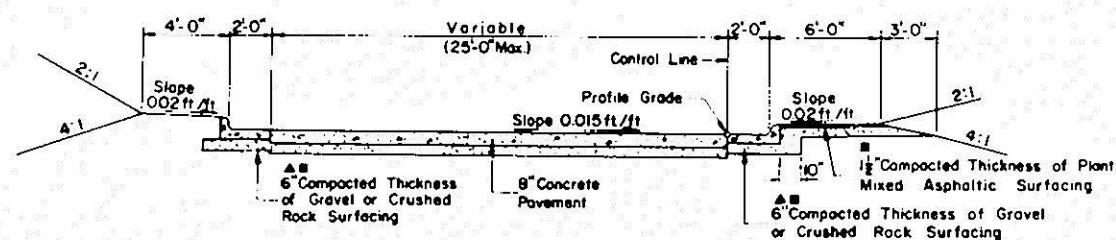
SECTION 6
SOUTH OUTER HIGHWAY
STA. 11+00 To STA. 16+51.9



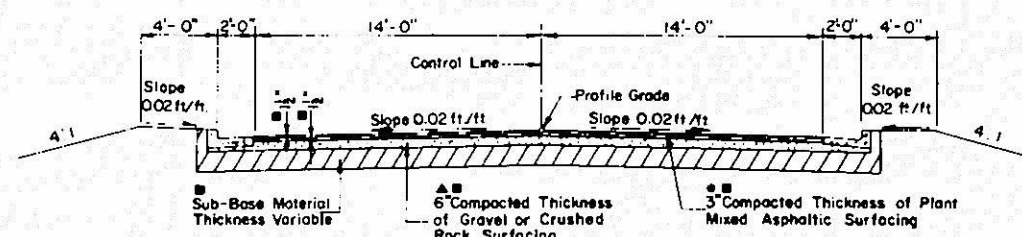
SECTION 4
SOUTH OUTER HIGHWAY
STA. 7+1393 To STA. 11+00.0

- All 3" Plant Mixed Asphaltic Surfacing to be placed in two (2) 1 1/2" courses.
- 6" Compacted Thickness of Gravel or Crushed Rock Surfacing to be placed in two (2) 3" courses.
- All Thicknesses shown for Sub-Base, Base Course and Plant Mix are Approximate Only.

NOTE:
Bottom Layer of Plant Mixed Asphaltic Surfacing shall be Completed for Full Width before Top Layer of Plant Mixed Asphaltic Surfacing is placed. Paving Joints in Top Layer will Overlap a Minimum of One (1) foot over Joints in Bottom Layer.



SECTION 3
(RAMP)



SECTION 5
(NE. FRONTAGE ROAD)
STA. 0+00 To STA. 17+17.5

COLORADO DEPARTMENT OF HIGHWAYS

TYPICAL SECTIONS
INTERSTATE
COLORADO BLVD.
RAMP
SOUTH OUTER HIGHWAY
NE. FRONTAGE ROAD

KEN R. WHITE
CONSULTING ENGINEER
DENVER, COLORADO

Part of the N.E. 1/4 of the N.E. 1/4
of Section 24 T3S R68W

E. 46th. AVE. NO.

K	L
Δ 90°04'30" R	Δ 9°00' L
D 143°25'48"	D 10°00'
T 40.00'	T 45.10'
L 62.80'	L 90.00'
R 39.95'	R 573.00'

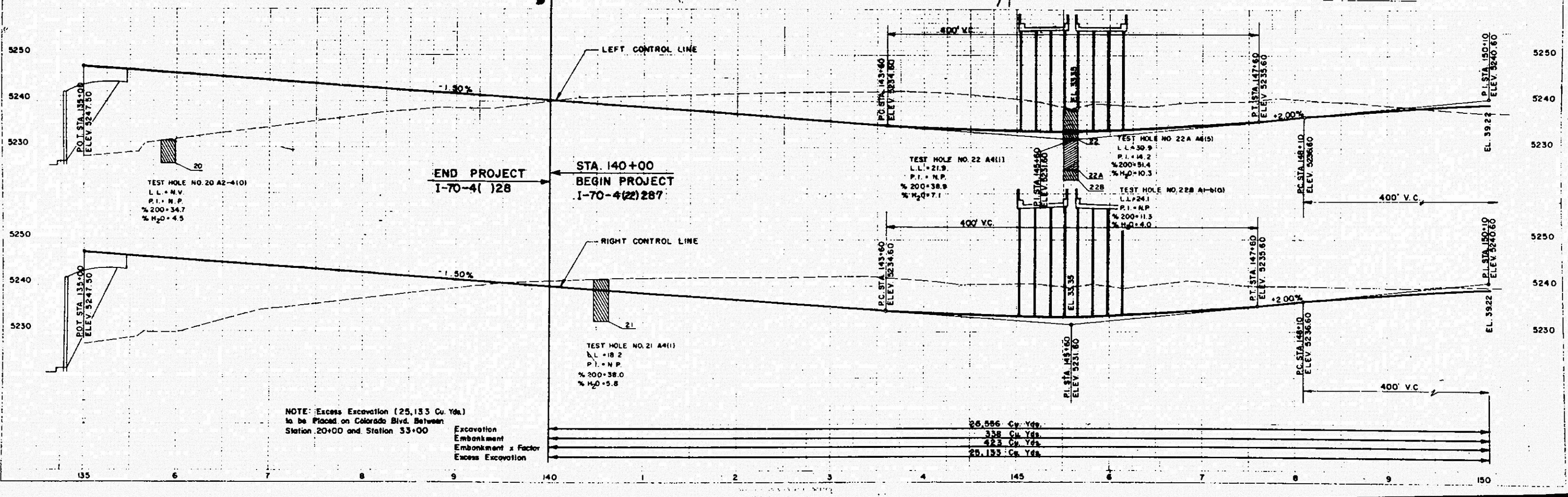
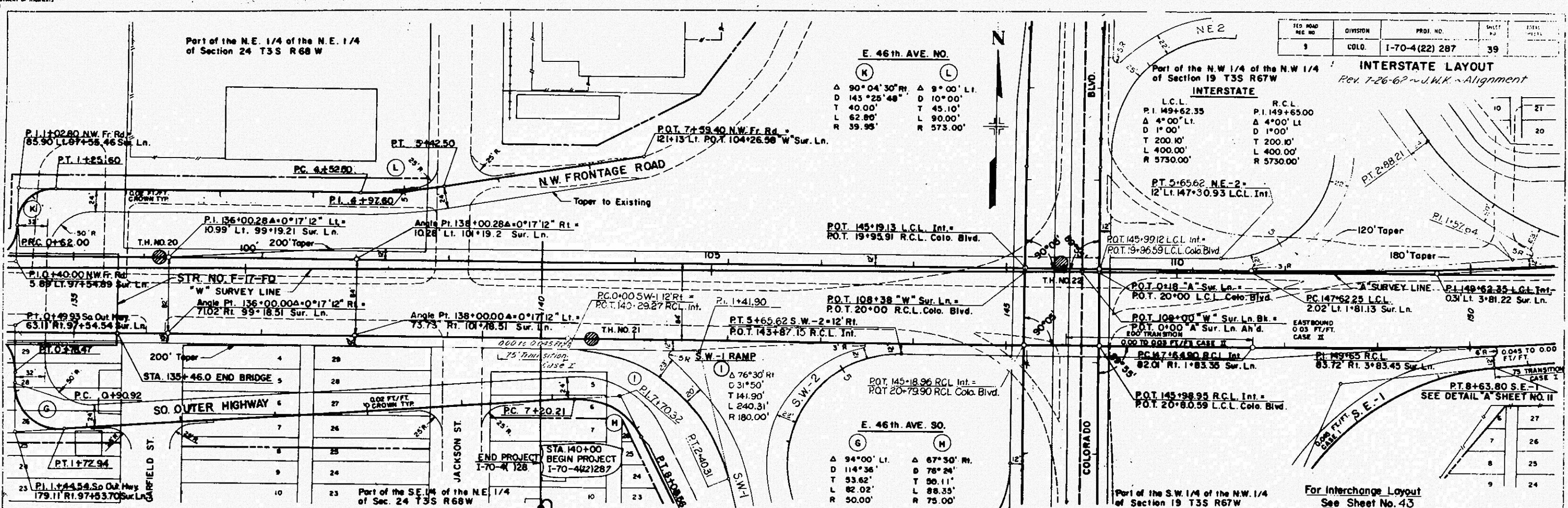
FED. ROAD DIST. NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	COLO.	I-70-4(22) 287	39	

INTERSTATE LAYOUT

Rev. 7-26-67 and H.K. Alignment

Part of the N.W. 1/4 of the N.W. 1/4
of Section 19 T3S R67W

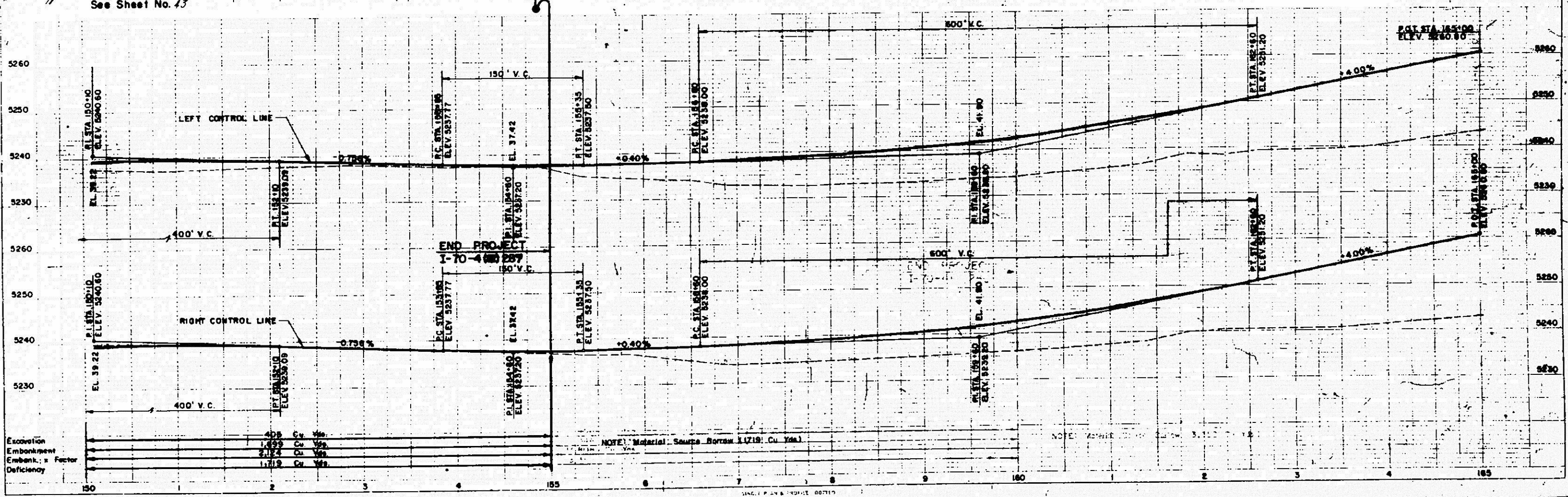
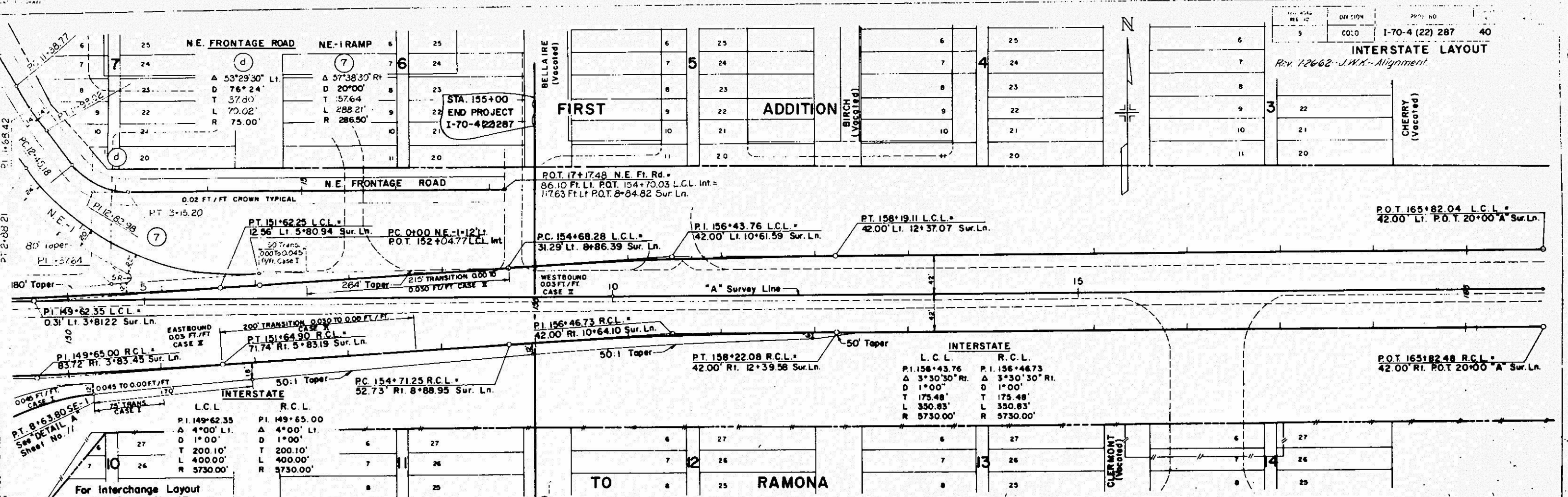
L.C.L.	R.C.L.
P.I. 149+62.35	P.I. 149+65.00
Δ 4°00' L	Δ 4°00' L
D 1°00'	D 1°00'
T 200.10'	T 200.10'
L 400.00'	L 400.00'
R 5730.00'	R 5730.00'



NOTE: Excess Excavation (25,133 Cu. Yds.)
to be Placed on Colorado Blvd. Between
Station 20+00 and Station 33+00

Excavation
Embankment
Embankment x Factor
Excess Excavation

25,566 Cu. Yds.
338 Cu. Yds.
423 Cu. Yds.
25,133 Cu. Yds.



N.E. FRONTAGE ROAD

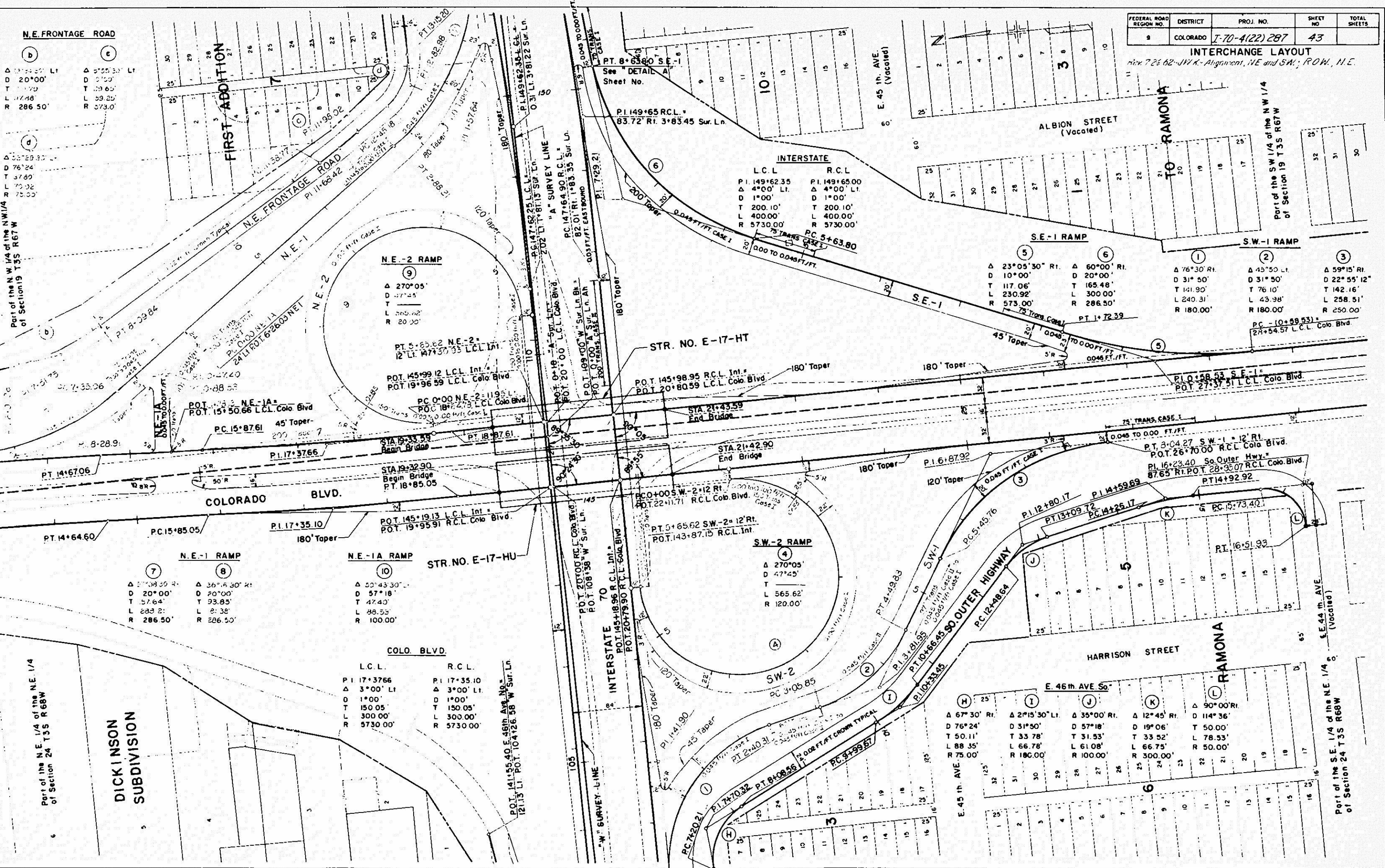
Δ 20°00' L	Δ 20°00' L
D 20°00'	D 20°00'
T 17.79	T 17.79
L 17.79	L 17.79
R 286.50'	R 286.50'

Part of the N.W. 1/4 of the NW 1/4 of Section 19 T35 R67 W

Part of the N.E. 1/4 of the NE 1/4 of Section 24 T35 R68 W

DICKINSON SUBDIVISION

FIRST ADDITION



FEDERAL ROAD DISTRICT	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9 COLORADO	I-70-4(22) 287	43	

INTERCHANGE LAYOUT

Rev 7-26-62-JW K. Alignment, NE and SW, ROW, N.E.

L.C.L.	R.C.L.
P.I. 149+62.35	P.I. 149+65.00
Δ 4°00' L	Δ 4°00' L
D 1°00'	D 1°00'
T 200.10'	T 200.10'
L 400.00'	L 400.00'
R 5730.00'	R 5730.00'

S.E.-1 RAMP

Δ 23°05'30" R	Δ 60°00' R
D 10°00'	D 20°00'
T 117.06'	T 165.48'
L 230.92'	L 300.00'
R 573.00'	R 286.50'

S.W.-1 RAMP

Δ 76°30' R	Δ 45°50' L	Δ 59°15' R
D 31°50'	D 31°50'	D 22°55'12"
T 141.90'	T 76.10'	T 142.16'
L 240.31'	L 43.98'	L 258.51'
R 180.00'	R 180.00'	R 250.00'

S.W.-2 RAMP

Δ 270°05'	
D 47°45'	
T	
L 565.62'	
R 120.00'	

N.E.-1 RAMP

Δ 20°00' R	Δ 36°53'30" R
D 20°00'	D 20°00'
T 57.64'	T 93.83'
L 283.21'	L 2:38'
R 286.50'	R 286.50'

N.E.-1A RAMP

Δ 50°43'30" L	
D 57°18'	
T 47.40'	
L 88.53'	
R 100.00'	

COLO. BLVD.

L.C.L.	R.C.L.
P.I. 17+37.66	P.I. 17+35.10
Δ 3°00' L	Δ 3°00' L
D 1°00'	D 1°00'
T 150.05'	T 150.05'
L 300.00'	L 300.00'
R 5730.00'	R 5730.00'

E. 46th AVE So.

Δ 67°30' R	Δ 2°15'30" L	Δ 35°00' R	Δ 12°45' R	Δ 90°00' R
D 76°24'	D 31°50'	D 57°18'	D 19°06'	D 114°36'
T 50.11'	T 33.78'	T 31.53'	T 33.52'	T 50.00'
L 88.35'	L 66.78'	L 61.08'	L 66.75'	L 78.53'
R 75.00'	R 180.00'	R 100.00'	R 300.00'	R 50.00'

Part of the S.E. 1/4 of the NE 1/4 of Section 24 T35 R68 W

FED. GOVT REQ. NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	I-70-4 (22) 287	47	

Rev. 7-26-62-JW.K.-Alignment.

