AS CONSTRUCTED		
NO REVISIONS 4-18-85	REVISED	VOID

STATE DEPARTMENT OF HIGHWAYS
DIVISION OF HIGHWAYS — STATE OF COLORADO

RE. RIGHT OF WAY AND UTILITIES UNDER PROJECT NO. IXFU 470-1(2) PHASE 3

FEDERAL ROAD REGION NO	DIVISION	PROJECT NO	SHEET NO
VIII	COLORADO	IXFU 470-1(36)	1

REVISIONS	

11 a.

FINAL PLAN AND PROFILE OF ~~PROPOSED~~

FEDERAL AID PROJECT NO. IXFU 470-1(36)

STATE HIGHWAY NO. 470

JEFFERSON COUNTY

SCALES OF ORIGINAL DRAWINGS

ON PLAN, 1 IN. = 100 FT.

ON PROFILE { 1 IN. = 100 FT. HORIZONTAL; 1 IN. = 10 FT. VERTICAL }

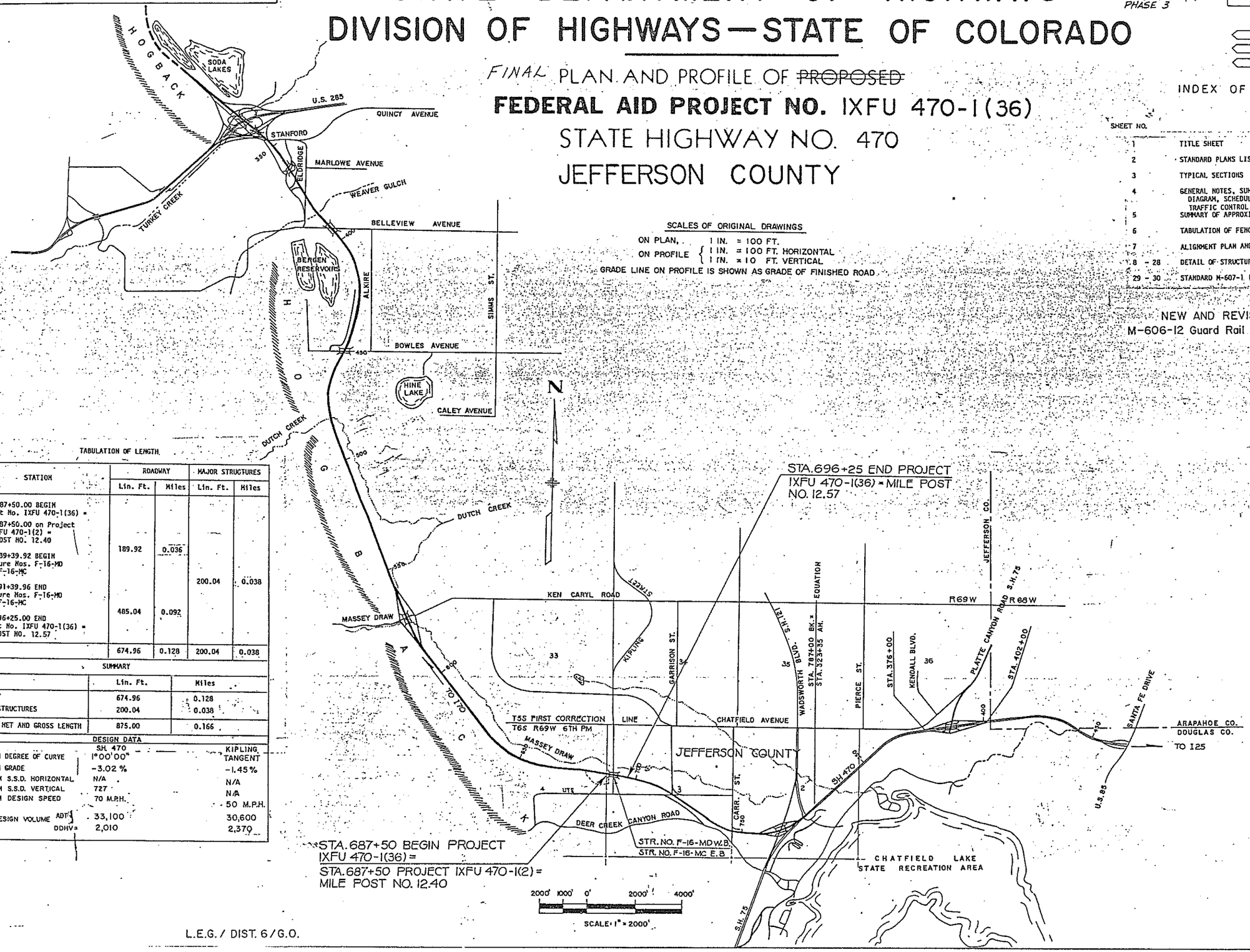
GRADE LINE ON PROFILE IS SHOWN AS GRADE OF FINISHED ROAD

INDEX OF SHEETS

SHEET NO.	
1	TITLE SHEET
2	STANDARD PLANS LIST
3	TYPICAL SECTIONS
4	GENERAL NOTES, SUMMARY OF EARTHWORK, TRAFFIC DIAGRAM, SCHEDULE OF CONSTRUCTION TRAFFIC CONTROL DEVICES
5	SUMMARY OF APPROXIMATE QUANTITIES
6	TABULATION OF FENCING AND TABULATION OF REMOVALS
7	ALIGNMENT PLAN AND PROFILE
8 - 28	DETAIL OF STRUCTURES F-16-MC AND F-16-MD
29 - 30	STANDARD M-607-1 (SPECIAL THIS PROJECT)

NEW AND REVISED STANDARDS

M-606-12 Guard Rail Type 4 - Concrete Barrier (9 Sheets) 2-18-83



TABULATION OF LENGTH

STATION	ROADWAY Lin. Ft.	ROADWAY Miles	MAJOR STRUCTURES Lin. Ft.	MAJOR STRUCTURES Miles
Sta. 687+50.00 BEGIN Project No. IXFU 470-1(36) = Sta. 687+50.00 on Project No. IXFU 470-1(2) = MILE POST NO. 12.40	189.92	0.036		
Sta. 689+39.92 BEGIN Structure Nos. F-16-MD and F-16-MC			200.04	0.038
Sta. 691+39.96 END Structure Nos. F-16-MD and F-16-MC	485.04	0.092		
Sta. 696+25.00 END Project No. IXFU 470-1(36) = MILE POST NO. 12.57				
	674.96	0.128	200.04	0.038

SUMMARY

	Lin. Ft.	Miles
ROADWAY	674.96	0.128
MAJOR STRUCTURES	200.04	0.038
PROJECT NET AND GROSS LENGTH	875.00	0.166

DESIGN DATA

	SH. 470	KIPLING TANGENT
MAXIMUM DEGREE OF CURVE	1°00'00"	
MAXIMUM GRADE	-3.02 %	-1.45 %
MINIMUM S.S.D. HORIZONTAL	N/A	N/A
MINIMUM S.S.D. VERTICAL	727	N/A
MINIMUM DESIGN SPEED	70 M.P.H.	50 M.P.H.
2005 DESIGN VOLUME ADT	33,100	30,600
DDHV=	2,010	2,370

DIVISION OF HIGHWAYS

APPROVED: R L Chenoweth by K H Meus 6-21-85

CHIEF ENGINEER — DATE

AS CONSTRUCTED INFORMATION

CONTRACTOR A.S. HORNER CONSTRUCTION CO.

RESIDENT ENGINEER D.L. McKENZIE (Project or Resident)

PROJECT STARTED AUGUST 19, 1985

PROJECT COMPLETED

AS CONSTRUCTED PLANS APPROVED [illegible]

Const Engr — TITLE — 7-16-86 — DATE

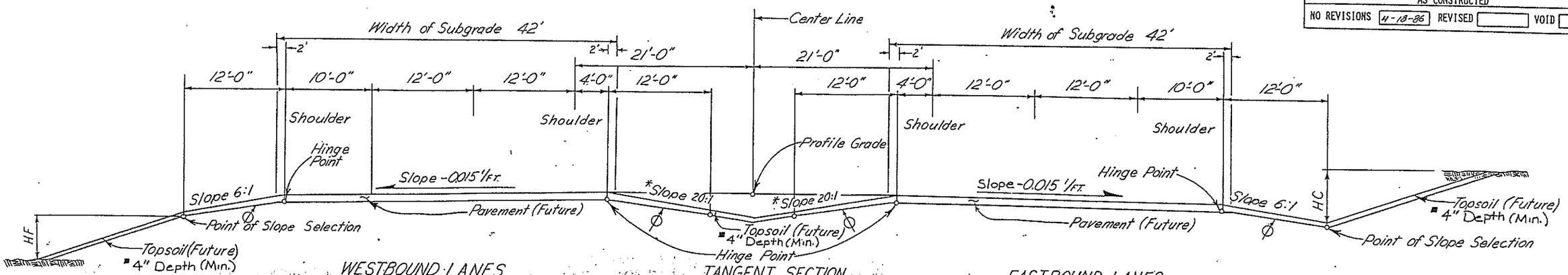
L.E.G. / DIST. 6 / G.O.

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	IXFU 470-1(36)	3	30

AS CONSTRUCTED

NO REVISIONS 4-18-86 REVISED VOID

TYPICAL SECTIONS

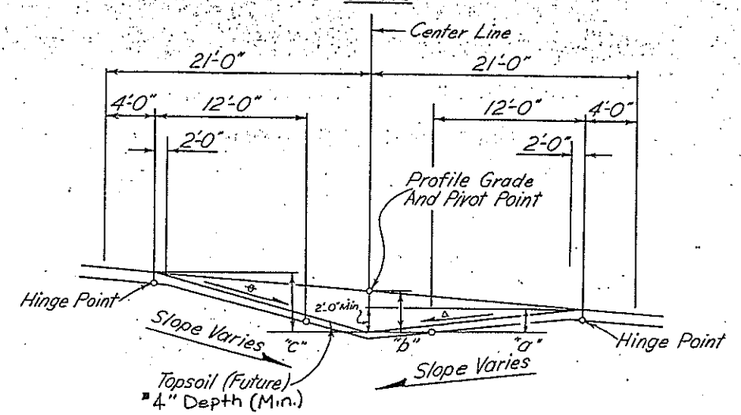


Degree of Curve	Slope	Distance "a"	Distance "b"	Distance "c"	Slope Δ	Slope θ
Tangent	0.015'/FT.	2.83'	3.09'	2.83'	6:1	6:1
0°30'	R.C.	2.32'	2.58'	2.83'	7.33:1	6:1
1°00'	0.038'/FT.	2.00'	2.65'	3.29'	8.5:1	5.16:1
2°00'	0.065'/FT.	2.00'	3.10'	4.21'	8.5:1	4.04:1

Fill Slopes	
HF	Slope
10' or Less	6:1
10' to 25'	4:1
Over 25'	3:1

Cut Slopes	
HC	Slope
10' or Less	6:1
10' to 15'	4:1
Over 15'	3:1

In Special Cases The Slope May Be Steepened (See cross section)



SUPERELEVATED SECTION
(MEDIAN)
SH 470

TYPICAL SECTION NOTES:

For cut and fill slopes, see table. this sheet

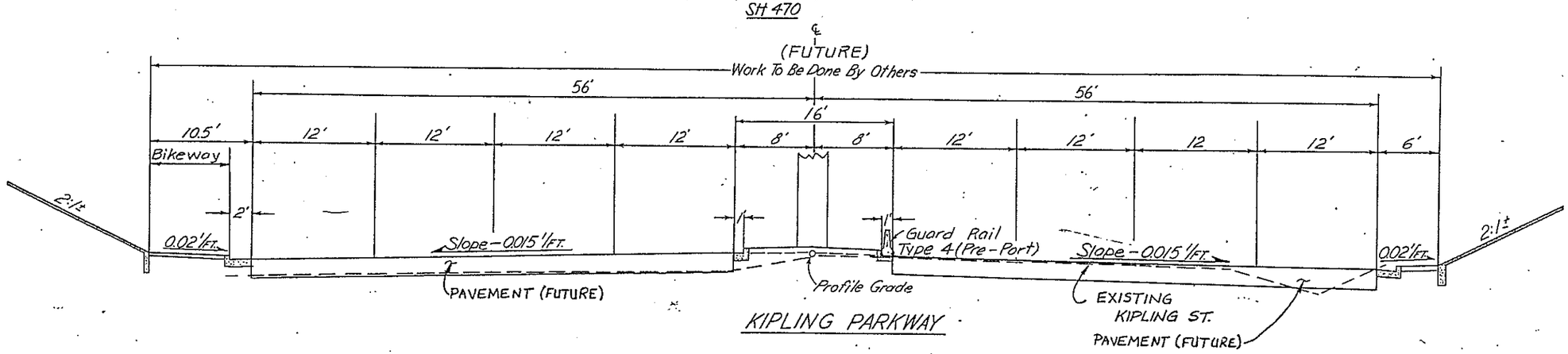
See Standard M-203-1 for details of cut slope treatment, flaring & widening

All construction is to subgrade only. Paving and topsoil are future construction. Earth slopes shall be disced or roughened by other approved methods for mulching or erosion protection. The depth & width of the side ditch shall be varied where necessary in order to provide proper drainage. Break points on slopes & in bottoms of ditches shall be rounded in construction for a pleasing appearance.

Ø Slope Varies

* Slope 20:1 Behind Guard Rail. See Sheet 7 of Standard M-606-12 Guard Rail-Type 4 Concrete Barrier (For Future Guard Rail)

■ Approximate Thickness

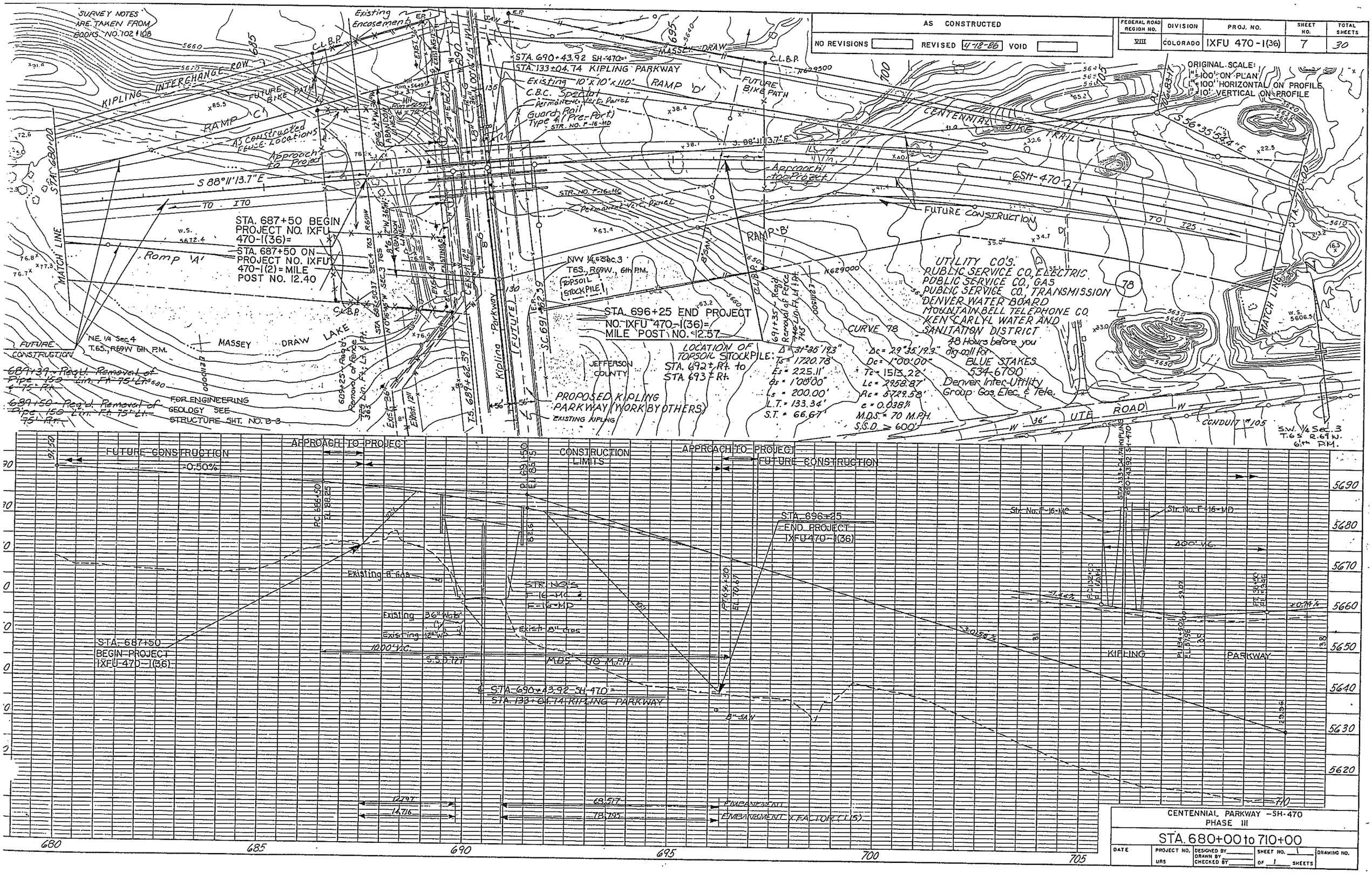


KIPLING PARKWAY

STA. 132+40 TO STA. 133+60

AS CONSTRUCTED						
NO REVISIONS		REVISED	4-18-86	VOID		

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	IXFU 470-1(36)	7	30



CENTENNIAL PARKWAY - SH-470
PHASE III

STA. 680+00 to 710+00

DATE	PROJECT NO.	DESIGNED BY / DRAWN BY / CHECKED BY	SHEET NO. 1 OF 1 SHEETS	DRAWING NO.
	URS			