

FILE COPY

FILE COPY

Index of Sheets

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Sheet No. 1	Typical Cross Section
Sheet No. 2-2.4	Estimate of Quantities
Sheet No. 3	Miscellaneous Quantities
Sheet No. 5	Plan
Sheet No. 6-6.4	Standard Details
Sheet No. 8-8.6	Cross Sections

TOTAL SHEETS=20

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

CONTRACT NO. 1 **DICKEYVILLE - LANCASTER ROAD**

TYPE: BITUMINOUS CONCRETE PAVEMENT

CONTRACTOR: REIN, SCHULTZ, & DAHL, INC. U.S.H. 61

PROJECT ENGINEER: R. SOBEK

YEAR CONSTRUCTED: May 22, 1973-Sept. 12, 1973

PROJECT IDENTIFICATION NUMBER

1652-1-71

Also see 5205-2-71 attached

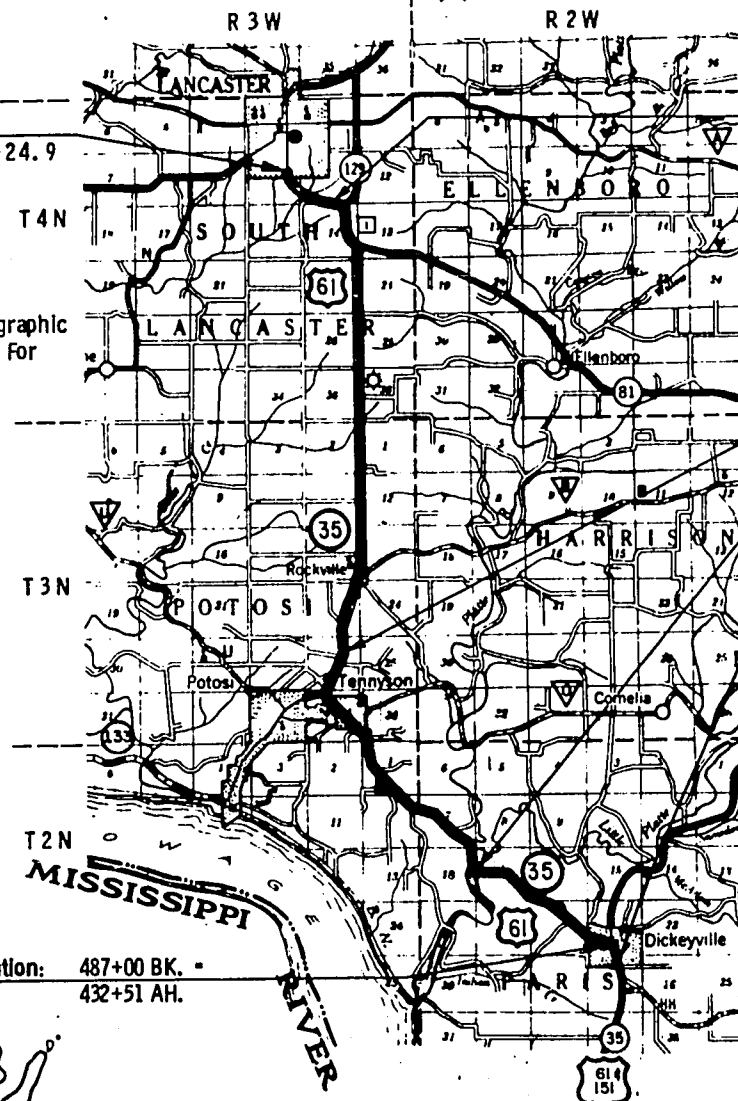
END PROJECT 1652-1-71

STA. 1398+24.9 - STA. 1398+24.9

END PROJ. T 08-1(3)

N 305,600 (+200')

E 1,810,000 (+200')

1260' E. & 263' N. of the Center of
Sec. 10, R 3 W, T 4 N.Coordinates Scaled From U. S. G. S. Topographic
Map, Lancaster, Wisconsin, Quadrangle For
Identification Only.Equation: 487+00 BK. =
432+51 AH.Equation: 1341+68.7 BK. =
1340+61.1 AH.Equation: 888+81.5 BK. =
890+06.6 AH.Sta. 587+33.9 To Sta. 589+17.6
Exception to Net & Length

BEGIN PROJECT 1652-1-71

STA. 467+00 - STA. 467+00

BEGIN PROJ. T 012-1(19)

N 227,400 (+200')

E 1,841,200 (+200')

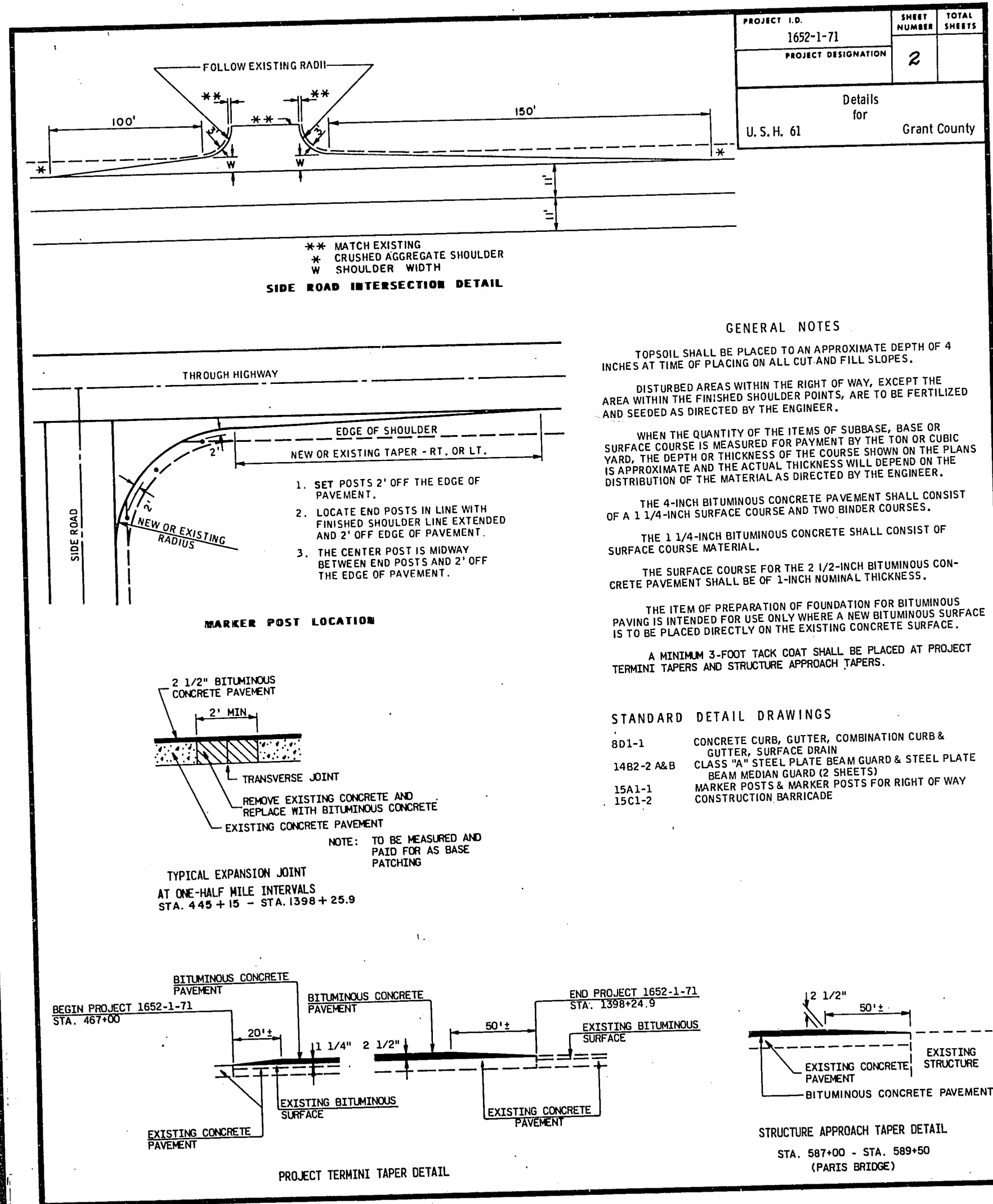
789' E. & 509' S. of the S. 1/4 Cor.,
Sec. 22, T 2 N, R 2 W.Coordinates Scaled From U. S. G. S.
Topographic Map, Kiefer, Wisconsin,
Quadrangle For Identification Only.

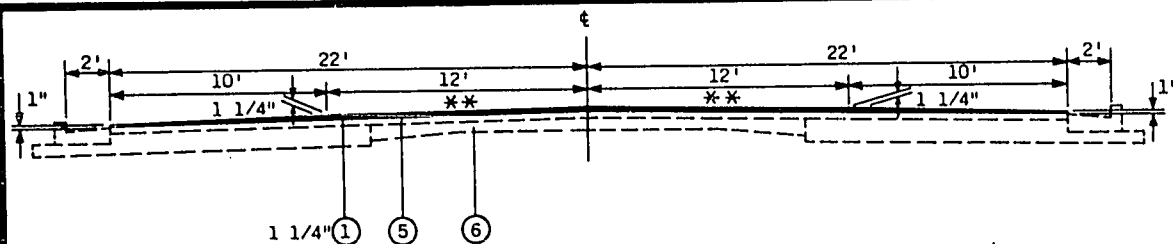
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS	
SURVEYOR LOG	DISTRICT CHECKER H.L.R.
DESIGNER L.H.B.	C.O. CHECKER L.L.J.
CORRECT:	
DATE 10-5-72 <i>Ronald R. Fisher</i> DISTRICT ENGINEER	
RECOMMENDED FOR APPROVAL:	
DATE 1-8-73 <i>L.P. Hennrich</i> CHIEF DESIGN ENGINEER	
APPROVED:	
DATE 1-5-73 <i>W.J. Sullivan</i> STATE HIGHWAY ENGINEER	

1M = 0.916 MI.
2R = 5.869 MI.
3M = 1.248 MI.
4R = 10.528 MI.
5M = 0.051 MI.
1M = 0.632 MI.

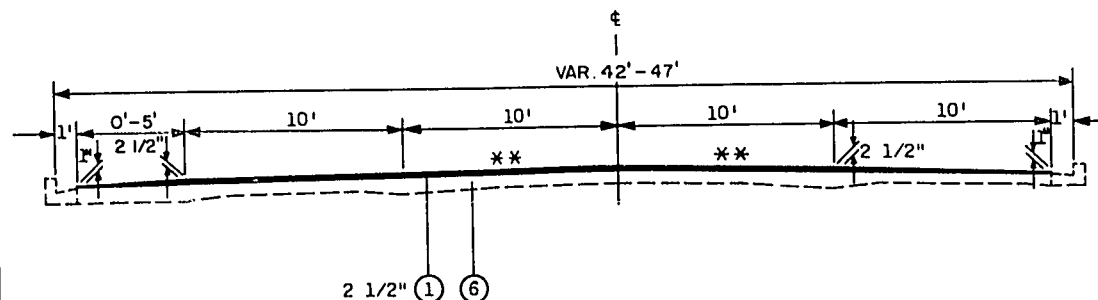
Total Net Length of Centerline

N

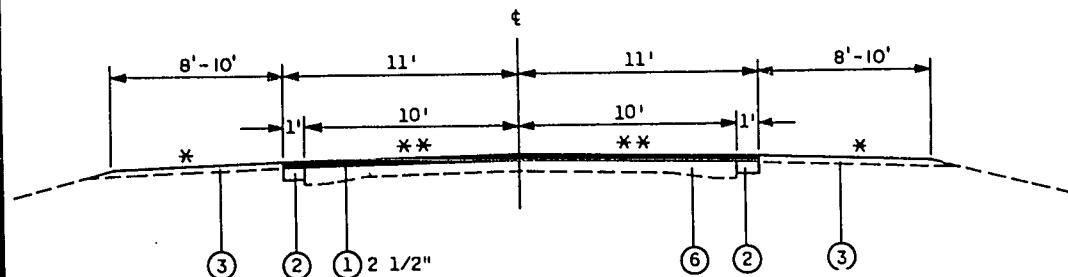




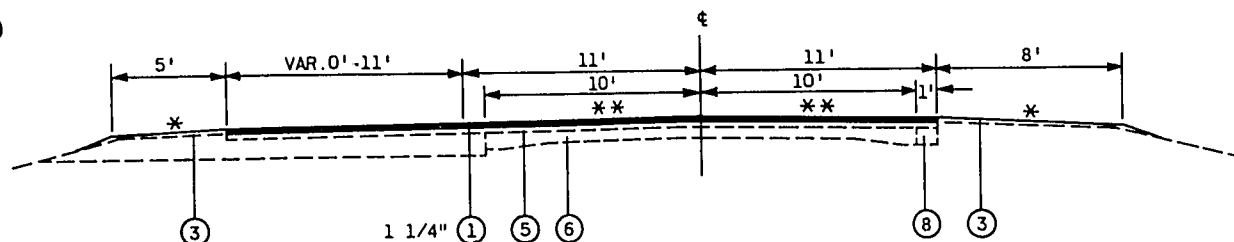
TYPICAL FINISHED SECTION
STA. 467+00 - STA. 487+00



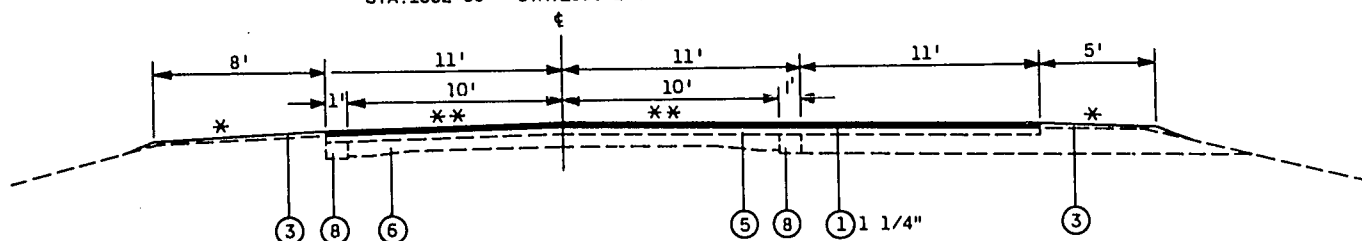
TYPICAL FINISHED SECTION
STA. 432+51 - STA. 445+15



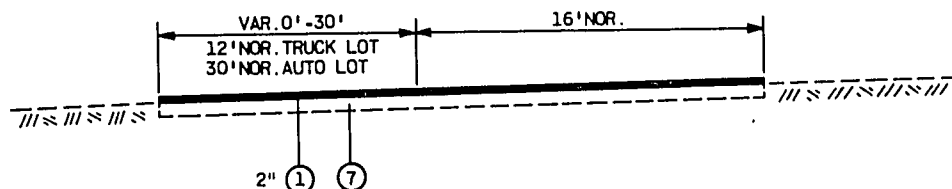
TYPICAL FINISHED SECTION
STA. 445+15 - STA. 483+70
STA. 562+35 - STA. 637+00
STA. 705+00 - STA. 834+80
STA. 843+50 - STA. 1280+50
STA. 1317+00 - STA. 1325+15
STA. 1332+00 - STA. 1398+24.9



TYPICAL FINISHED SECTION
STA. 483+70 - STA. 562+35



TYPICAL FINISHED SECTION
STA. 637+00 - STA. 705+00



TYPICAL FINISHED SECTION
TENNYSON WAYSIDE
(WAYSIDE NO. 1)

KEY

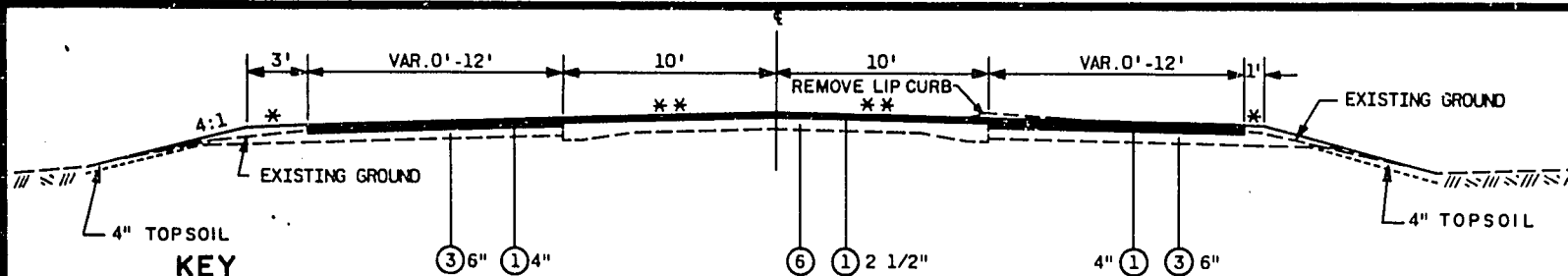
- ① BITUMINOUS CONCRETE PAVEMENT
- ② 7" BITUMINOUS BASE COURSE WIDENING
- ③ CRUSHED AGGREGATE BASE COURSE

- ⑤ EXISTING BITUMINOUS SURFACE
- ⑥ EXISTING CONCRETE PAVEMENT
- ⑦ EXISTING BASE COURSE
- ⑧ EXISTING BASE COURSE WIDENING

* NORMAL SHOULDER SLOPE EQUALS 0.04%
SHOULDER SLOPE EQUALS SUPERELEVATION
IN CURVE SECTIONS.

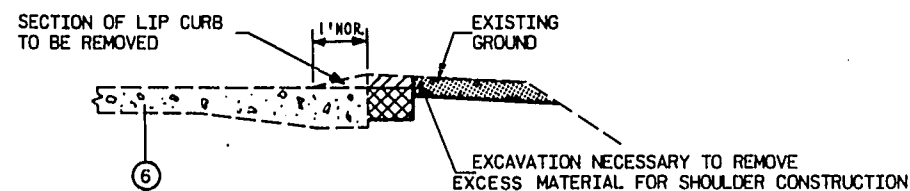
** MATCH EXISTING SLOPE

PROJECT I.D.	1652-1-71	SHEET NUMBER	21	TOTAL SHEETS	
Typical Finished Sections for Grant County					
U.S.H. 61					



- KEY**
- ① BITUMINOUS CONCRETE PAVEMENT
 - ② 7" BITUMINOUS BASE COURSE WIDENING
 - ③ CRUSHED AGGREGATE BASE COURSE
 - ⑤ EXISTING BITUMINOUS SURFACE
 - ⑥ EXISTING CONCRETE PAVEMENT
 - ⑦ EXISTING BASE COURSE
 - ⑧ EXISTING BASE COURSE WIDENING

TYPICAL FINISHED SECTION
STA. 834+80 - STA. 843+50
U.S.H. 61

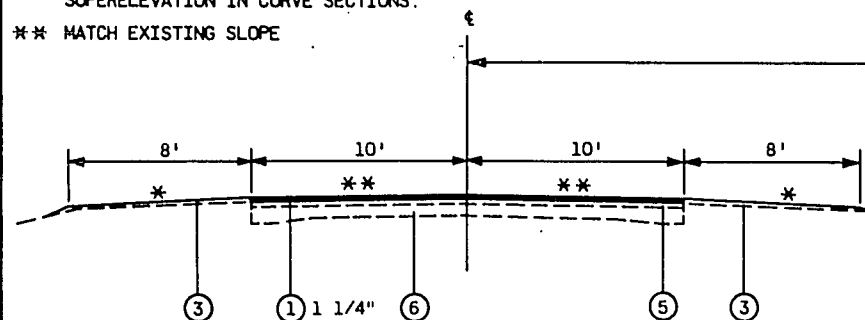


TYPICAL FINISHED SECTION
FOR LIP CURB REMOVAL

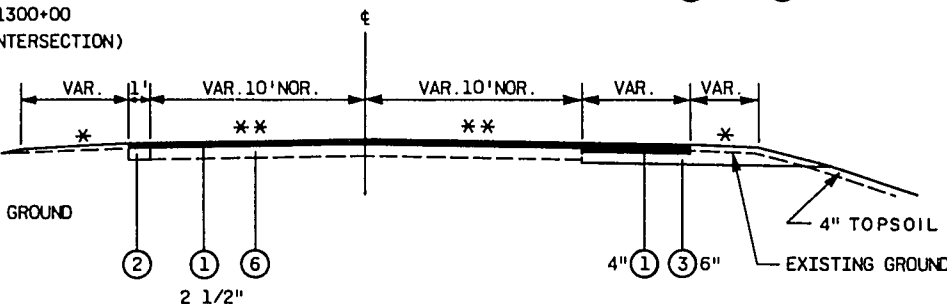
- ⑥ EXCAVATION FOR BITUMINOUS BASE COURSE WIDENING
- ⑦ BITUMINOUS BASE COURSE WIDENING

NOTE: FINISHED SHOULDER IN LIP CURB AREAS SHALL BE 3-INCH MINIMUM THICKNESS CRUSHED AGGREGATE BASE COURSE

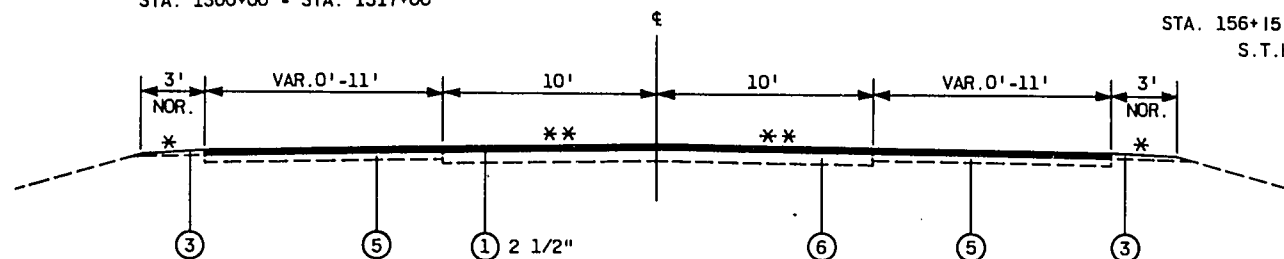
* NORMAL SHOULDER SLOPE EQUALS 0.04%. SHOULDER SLOPE EQUALS SUPERELEVATION IN CURVE SECTIONS.
** MATCH EXISTING SLOPE



TYPICAL FINISHED SECTION
STA. 1280+50 - STA. 1300+00
(U.S.H. 61 & S.T.H. 81 INTERSECTION)



TYPICAL FINISHED SECTION
STA. 1300+00 - STA. 1317+00

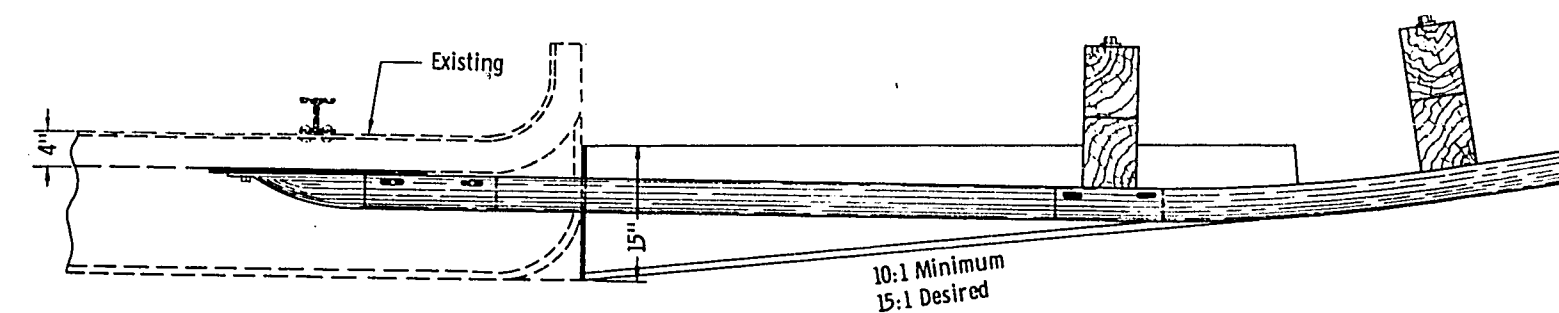


TYPICAL FINISHED SECTION
STA. 1325+15 - STA. 1332+00
(U.S.H. 61 & S.T.H. 129 INTERSECTION)

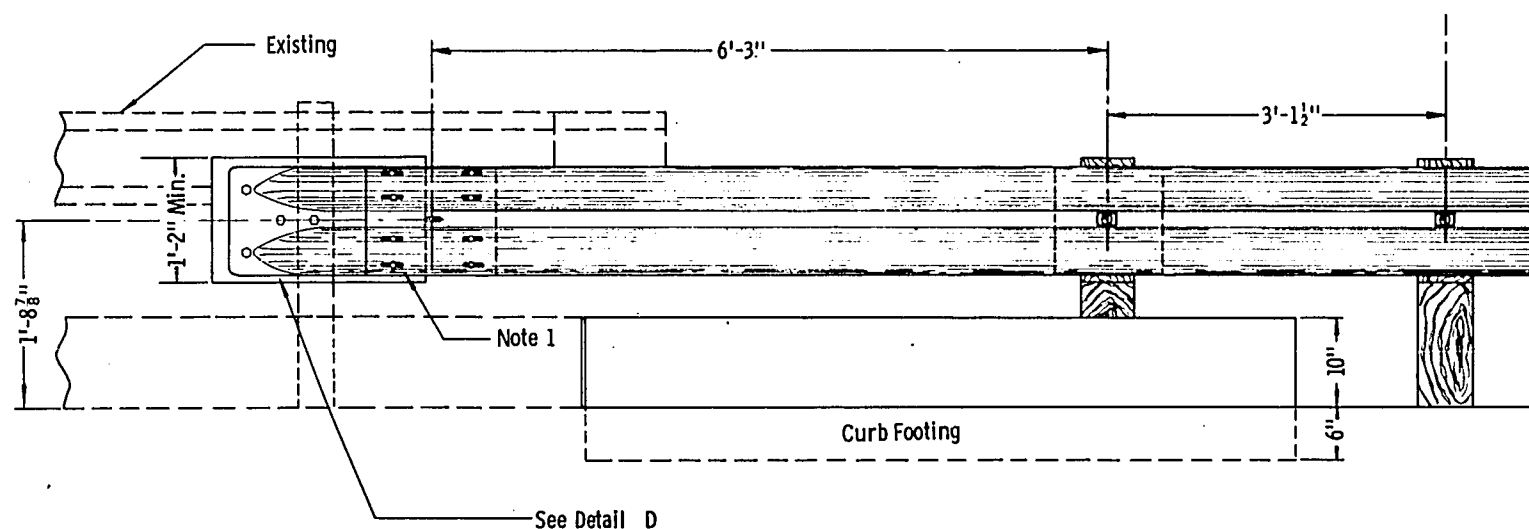
TYPICAL FINISHED SECTION
STA. 156+15 - STA. 158+00
S.T.H. 133

U.S.H. 61 Typical Finished Sections for Grant County	PROJECT ID	1652-1-71	SHEET NUMBER	TOTAL SHEETS
	PROJECT DESIGNATION	2.2		

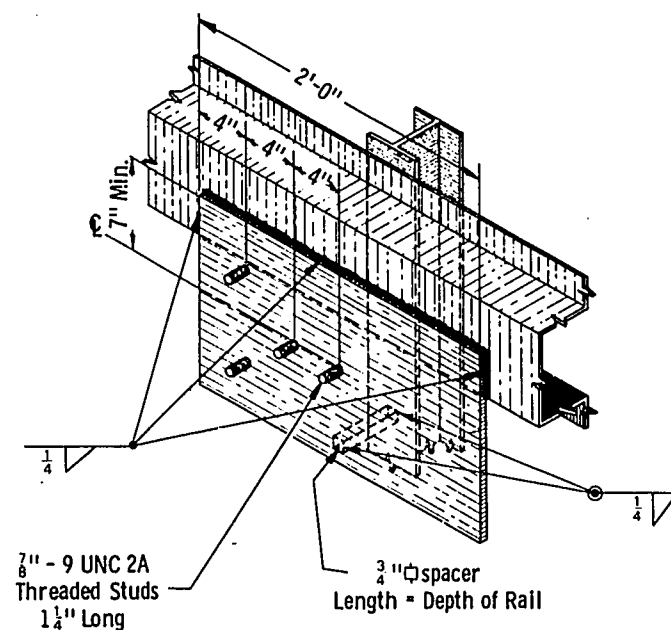
PROJECT I.D.	SHEET NUMBER	TOTAL SHEETS
1652 - 1 - 71		
PROJECT DESIGNATION	2.3	
BEAM GUARD ATTACHMENT TO EXISTING STRUCTURES		



PLAN

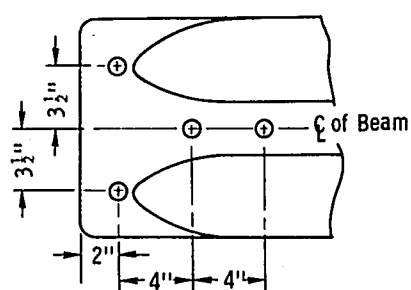


ELEVATION



$\frac{3}{8}$ " End Plate Detail

DETAIL D



Hole Diagram for Beam Guard Attachment

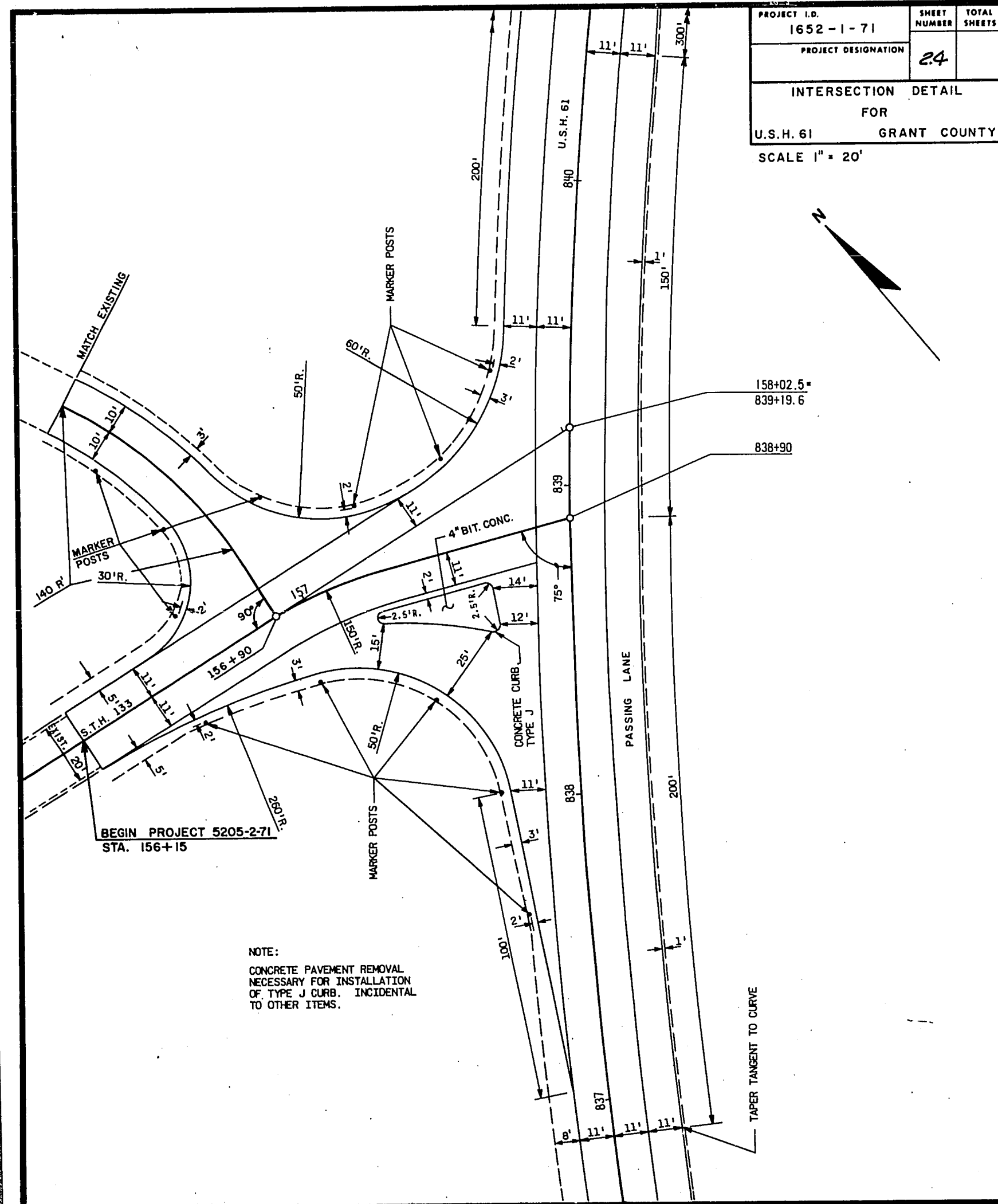
DETAIL B

Note 1

Expansion and contraction of the bridge superstructure precludes a rigid connection between the existing structure and the guardrail installation. The guardrail splice at the end shoe connection must permit any expansion or contraction to be absorbed within the splice. Bolt (splice) tension necessary to prevent the connection from becoming a rigid connection shall be determined by the Engineer.

General Note

The methods illustrated for attaching guardrail to existing structures are "Type" solutions. Specific dimensions for guardrail attachment must be based on the existing structure design with guardrail height (27") and post spacing, as shown for a particular "Type" attachment design, being maintained wherever possible.



ESTIMATE OF QUANTITIES

CONTRACT NO. 1 (1652-1-71)
BITUMINOUS CONCRETE PAVEMENT

THIS PROJECT IS TO BE EXECUTED UNDER THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION OF THE WISCONSIN DIVISION OF HIGHWAYS, EDITION OF 1969 AND SPECIAL PROVISIONS AS ATTACHED TO PROPOSALS

PROJECT I.D.	1652-1-71	SHEET NUMBER	3	TOTAL SHEETS	
PROJECT DESIGNATION					
U.S.H. 61	QUANTITIES FOR				GRANT COUNTY

C
E
F
D
N
G

Station - Station	NET LENGTH OF CENTERLINE	REMOVING LIP CURB	REMOVING SURFACE DRAINS	REMOVING GUARD-RAIL	PREPARATION OF FOUNDATION FOR BITUMINOUS PAVING PROJECT 1652-1-71	PREPARATION OF FOUNDATION FOR BITUMINOUS PAVING	CRUSHED AGGREGATE BASE COURSE	GRADING AND SHAPING ROADWAY, INTERSECTION OF STH 133 & USH 61	GRADING AND SHAPING SHOULDERS
Sec. No. Item No Unit	LIN. FT.	L.F.	EACH	L.F.	L.S.	L.S.	TON	L.S.	L.S.
1M 467+00 - 460+88	4,837	20407	20409	20411	21103	21104	30404	90001	90002
		L.F.	EACH	L.F.	L.S.	L.S.	TON	L.S.	L.S.
2R 460+88 - 773+64	31,092.3	4861	9	446	0.20		9818		0.7
3M 773+64 - 839+52	6,588.0	1,576	2		0.08		2,168	0.8	0.2
4R 839+52 - 1395+55	55,585.5	579	1		0.67		18,701	0.2	0.1
CCO. NO. 2	6864						1903		
5M 1395+55 - 1398+24.9	262.9				0.01		21		
TOTAL	98,372.7	7,970	12	446	1	1	30,980	1	1
	105,236.7	7036					32,595		

Sec. No.	BITUMINOUS BASE COURSE WIDENING	BASE PATCHING	BITUMINOUS CONCRETE PAVEMENT	BITUMINOUS MATERIAL FOR SURFACE COURSE	CONCRETE CURB, TYPE J	ANCHOR-AGES FOR STEEL PLATE BEAM GUARD	STEEL PLATE BEAM GUARD, CLASS A	MARKER POSTS	MAINTENANCE & REPAIR OF HAUL ROADS PROJECT 1652-1-71	FIELD OFFICE, TYPE A	FIELD LABORATORY
	S.Y.	S.Y.	TON	TON	L.F.	EACH	L.F.	EACH	L.S.	L.S.	L.S.
1M	390 350	55 98	2902 2,280	135 140				36 6			
2R	3576	259 421	11060 30,810	449 651.6	106	3	565	30 21	0.4		
3M	1200		2764 3,000	188 163.9	102			38 19			
4R	11 752		21104 22,000	1330 1216.5				78	0.6	1.0	1.0
CCO. NO. 2	13 12	133	2403	150.2							
5M	13 60	43 0	30 310	5 1.7							
T	16881	1668	39803	2323.9	106	3	565	38	1	1	1

MISCELLANEOUS QUANTITIES

SEC.	STATION - STATION	LOC.	L.F.
2R	597+90 - 602+50	LT.	440
	606+00 - 618+00	LT.	1160
	622+00 - 637+00	LT. & RT.	2900
	709+90 - 716+00	LT. & RT.	1180
3M	807+00 - 816+00	RT.	880
	807+50 - 816+00	LT.	830
4R	840+00 - 846+00	RT.	580

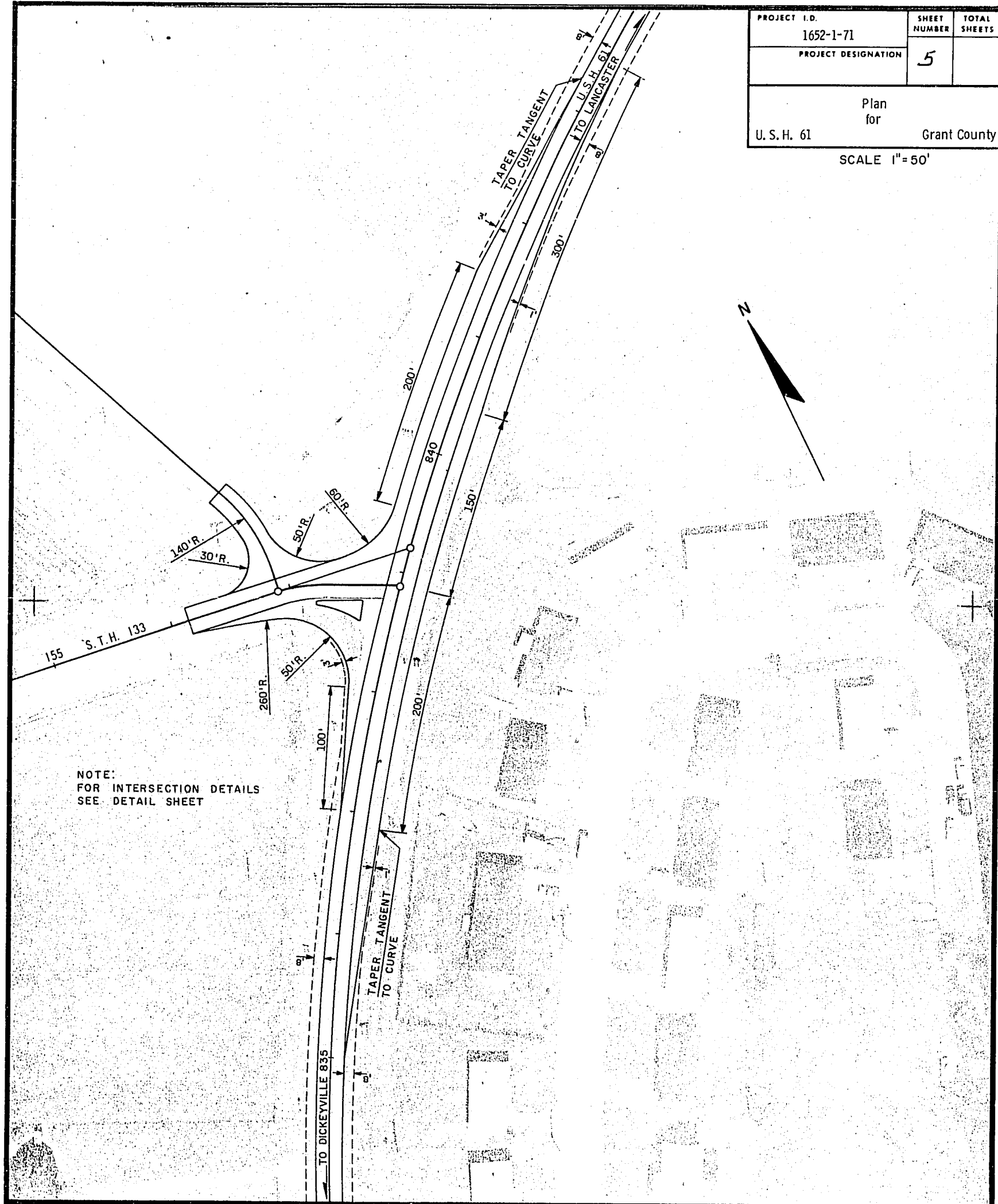
SEC.	LOCATION	L.F.
3M	INTERSECTION ISLAND	
	STH 133 & USH 61 INTERSECTION	102

SEC.	STATION - STATION	LOC.	L.F.	ANCH.
2R	586+05 - 587+35	LT. & RT.	260	2
	589+20 - 591+30	LT.	210	1
	589+20 - 590+50	RT.	130	1

SEC.	STATION	LOC.	EACH
2R	598+00	LT.	1
	610+50	LT.	1
	614+00	LT.	1
	626+50	LT.	1
	627+00	RT.	1
	630+50	LT. & RT.	2
	633+50	RT.	1
	633+74	LT.	1
	710+00	LT. & RT.	2
3M	810+50	LT. & RT.	2
4R	845+90	RT.	1

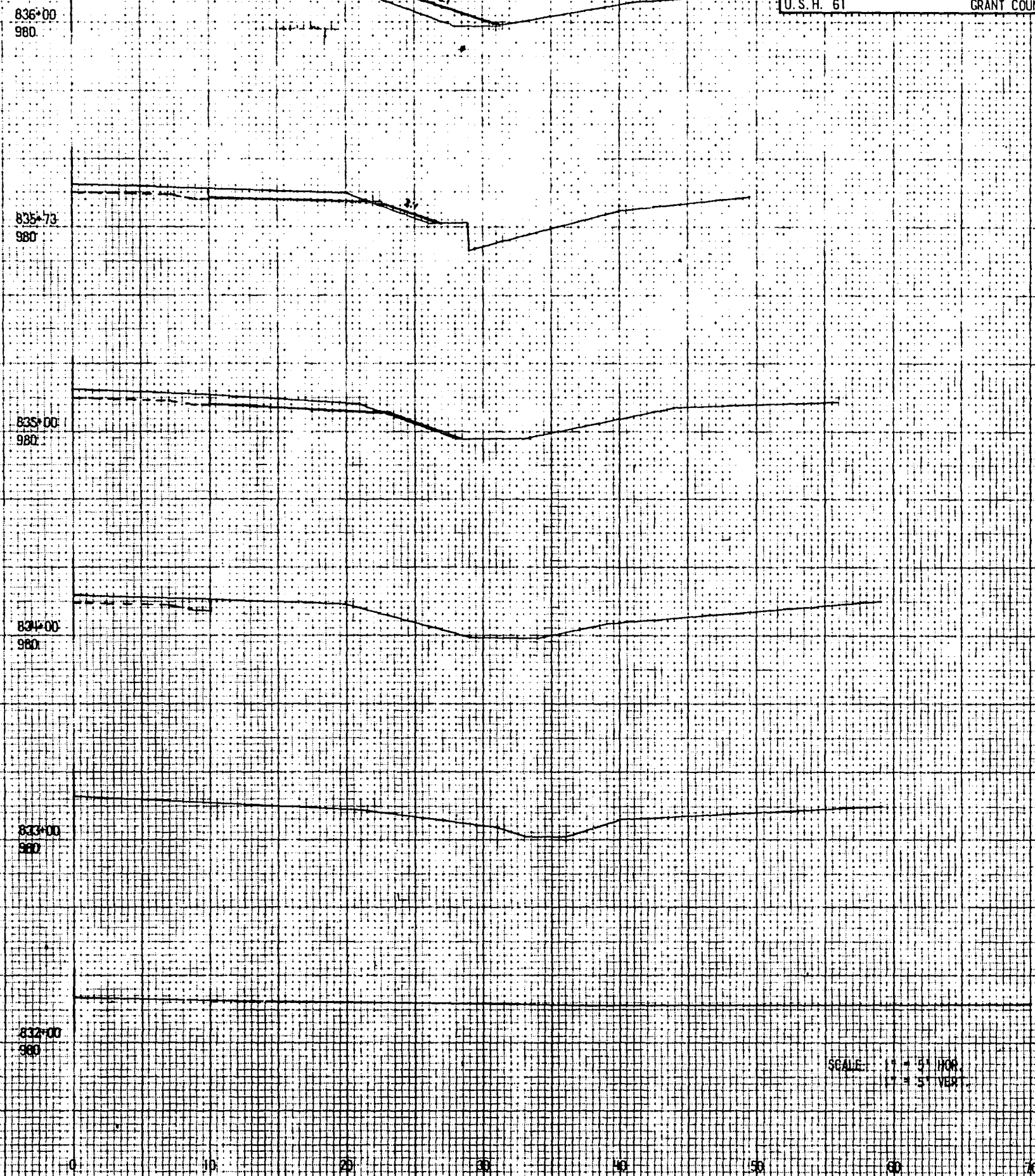
SEC.	STATION - STATION	LOC.	L.F.
2R	586+20 - 587+35	LT. & RT.	230
	589+20 - 591+30	LT.	210

F.U.

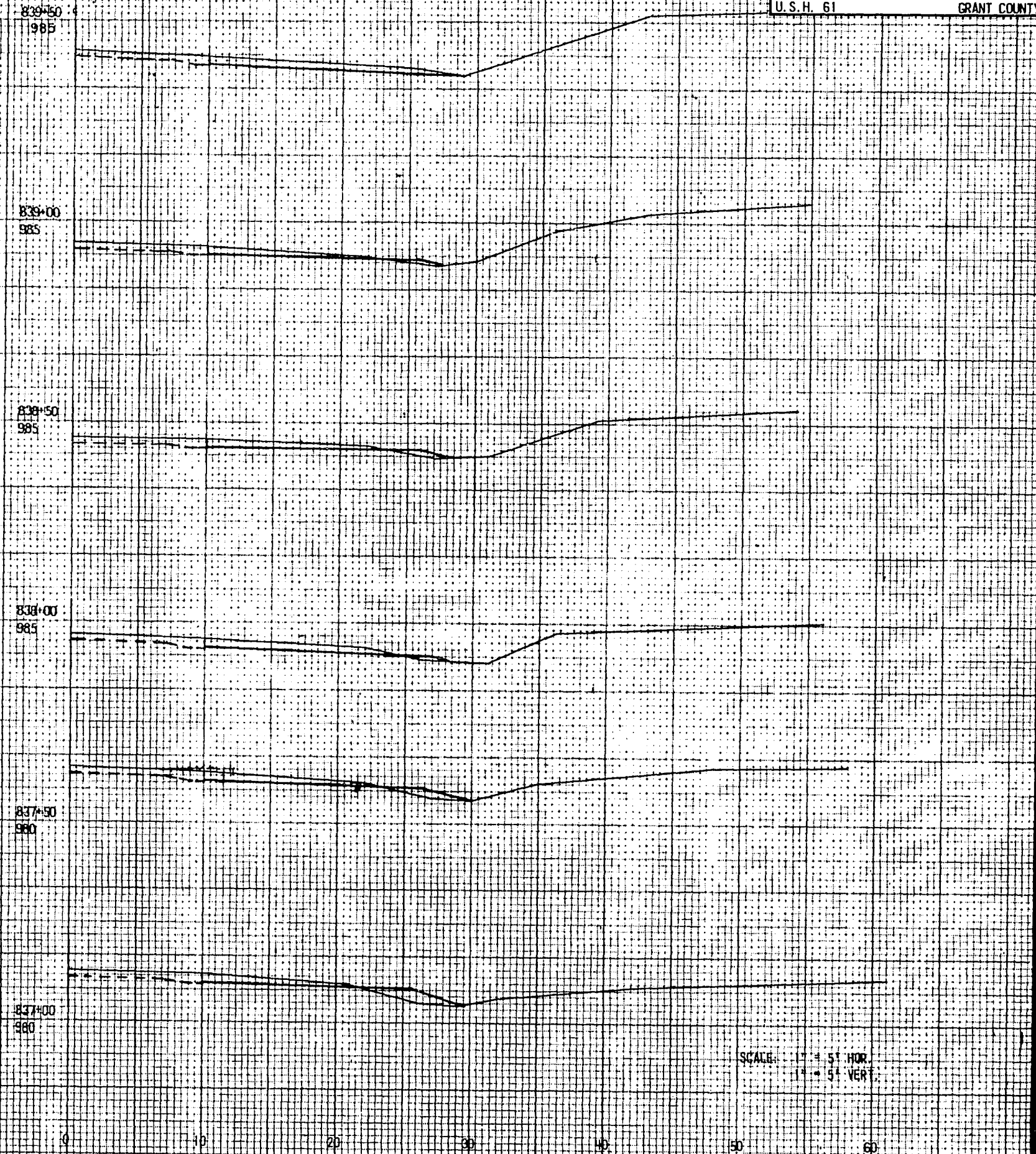


PROJECT I.D.	1652-1-71	SHEET NUMBER		TOTAL SHEETS		
PROJECT DESIGNATION		5				
Plan for U. S. H. 61						Grant County
SCALE 1" = 50'						

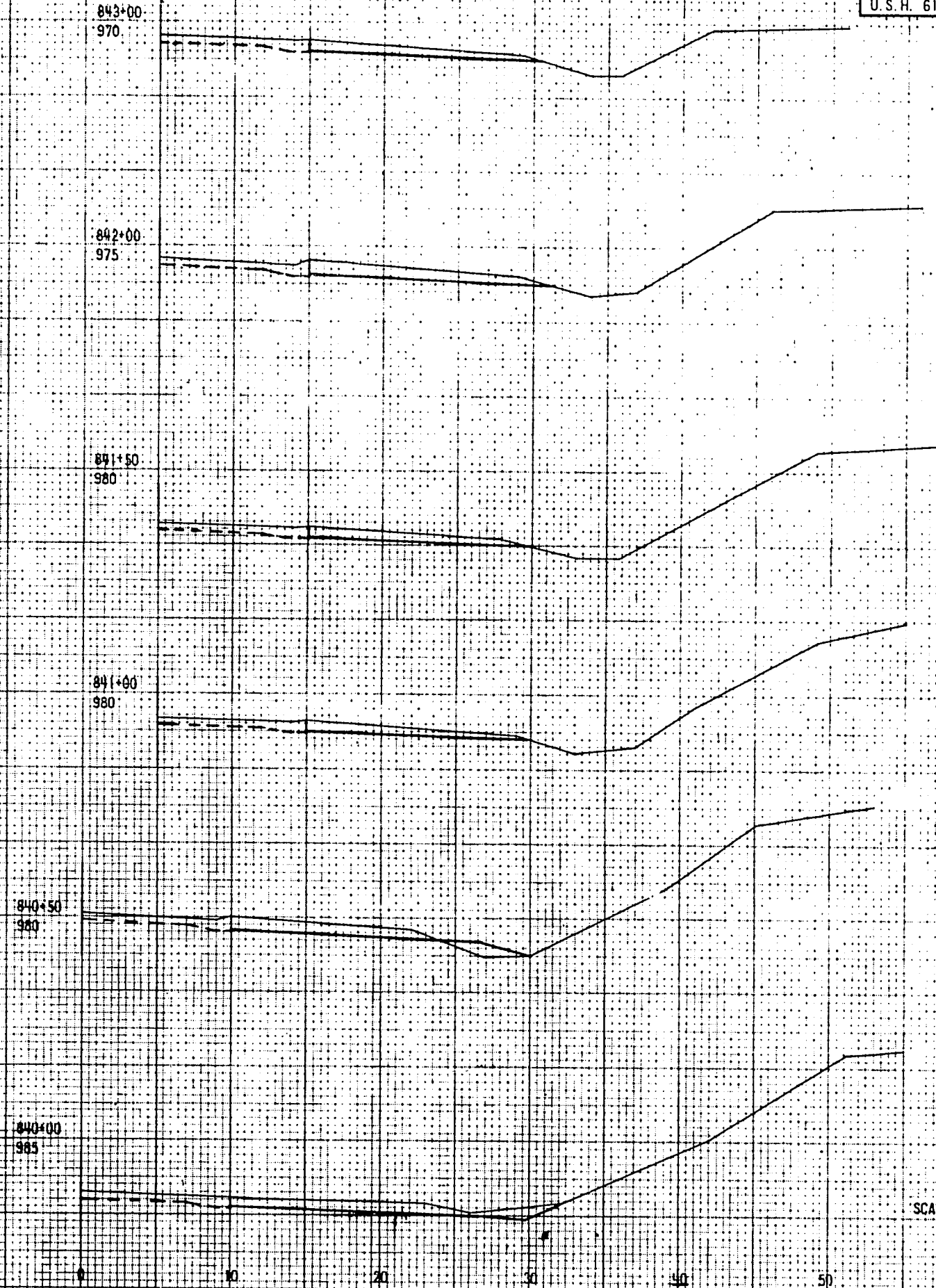
PROJECT I.D.	1652-1-71	SHEET NUMBER	TOTAL SHEETS
PROJECT DESIGNATION	8		
SECTIONS FOR DICKKEYVILLE - LANCASTER ROAD (U.S.H. 151 - LANCASTER)			
U.S.H. 61		GRANT COUNTY	



PROJECT I.D.	1652-1-71	SHEET NUMBER	TOTAL SHEETS
PROJECT DESIGNATION	8.1		
SECTIONS FOR DICKKEYVILLE - LANCASTER ROAD (U.S.H. 151 - LANCASTER)			
U.S.H. 61		GRANT COUNTY	

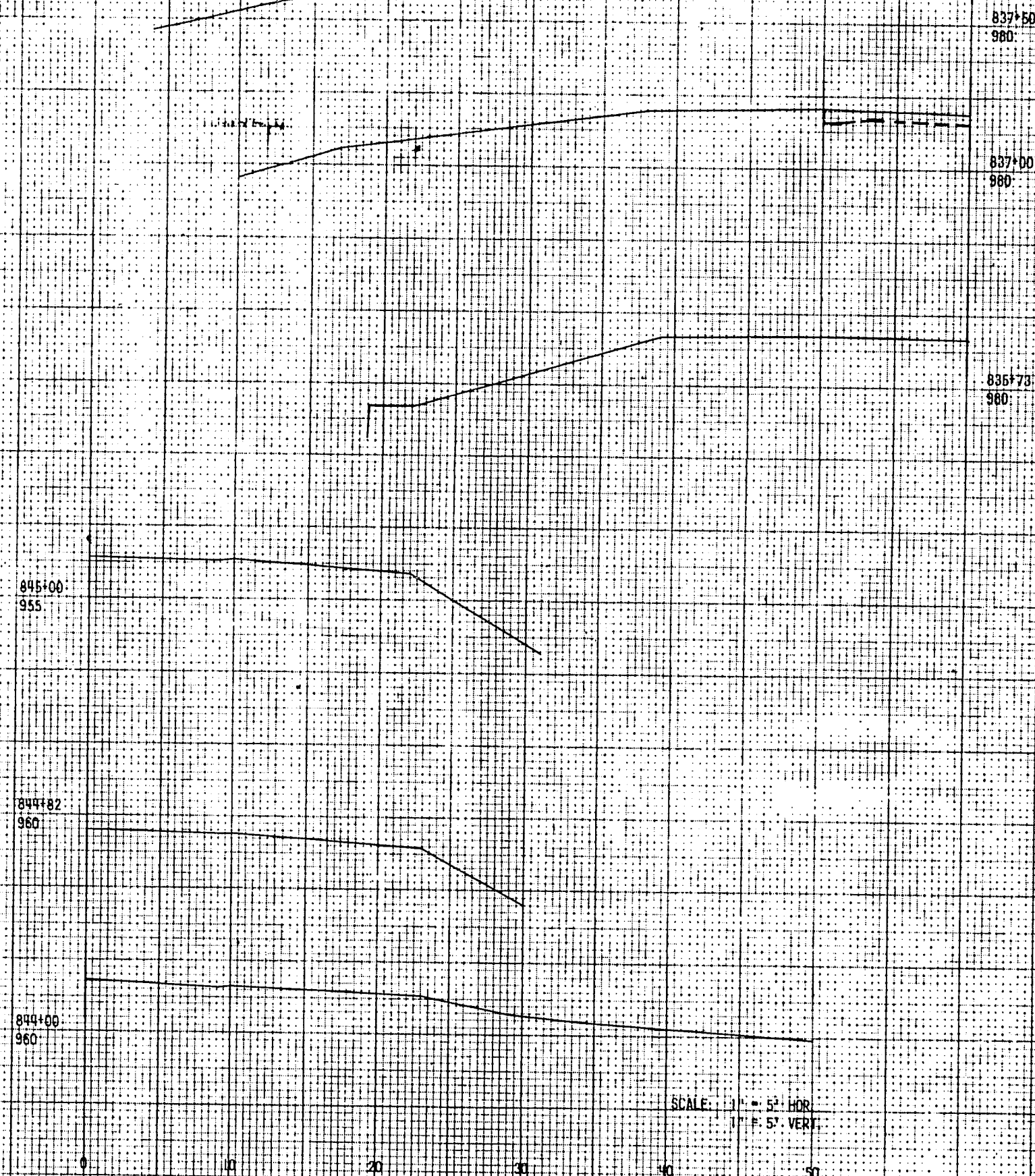


PROJECT I.D.	1652-1-71	SHEET NUMBER	8.2	TOTAL SHEETS	
PROJECT DESIGNATION					
SECTIONS FOR DICKKEYVILLE - LANCASTER ROAD (U.S.H. 151 - LANCASTER) -- U.S.H. 61 GRANT COUNTY					



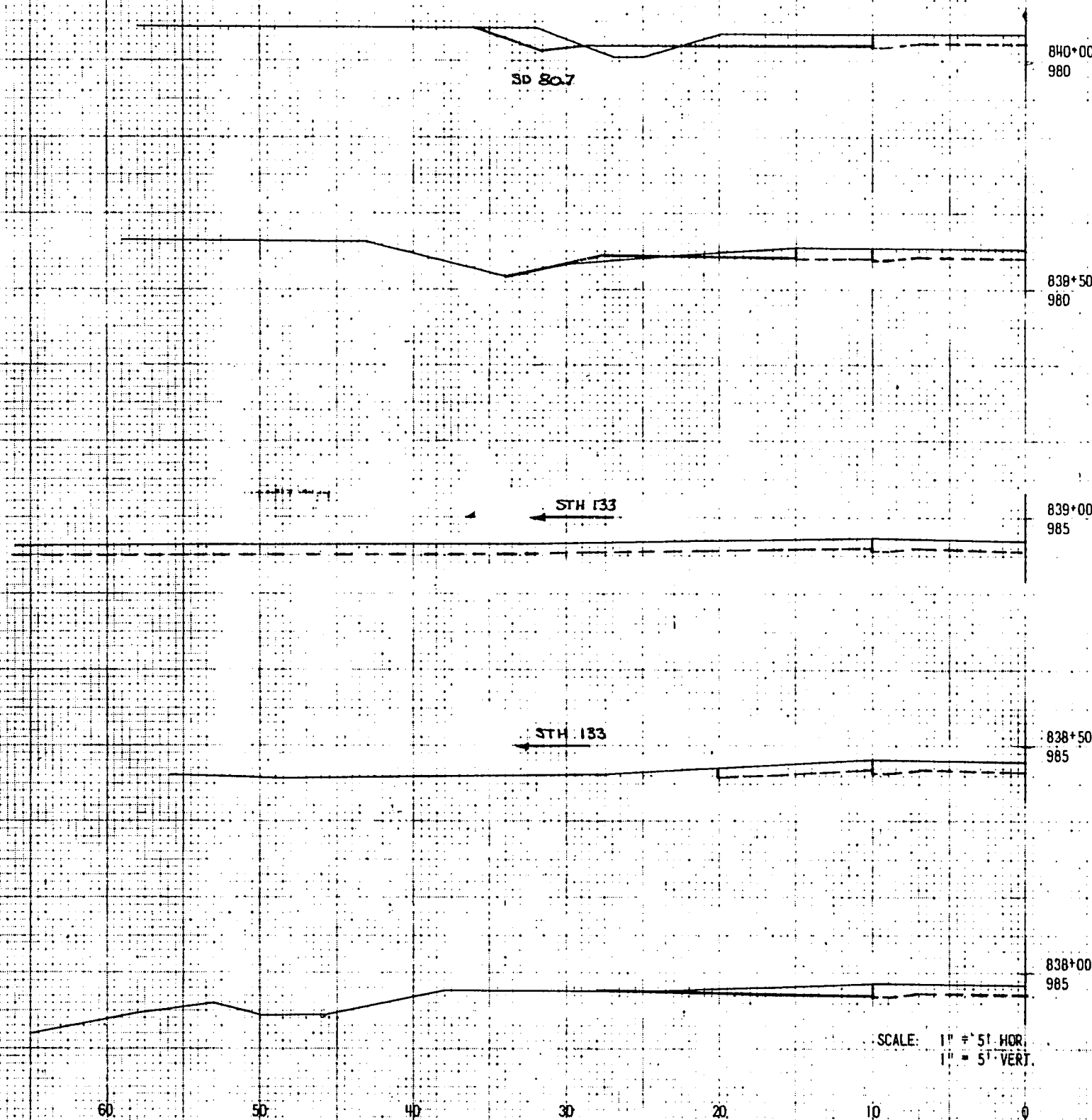
SCALE: 1" = 5' HOR.
1" = 5' VERT.

PROJECT I.D.	1652-1-71	SHEET NUMBER	8.3	TOTAL SHEETS	
PROJECT DESIGNATION					
SECTIONS FOR DICKKEYVILLE - LANCASTER ROAD (U.S.H. 151 - LANCASTER) -- U.S.H. 61 GRANT COUNTY					

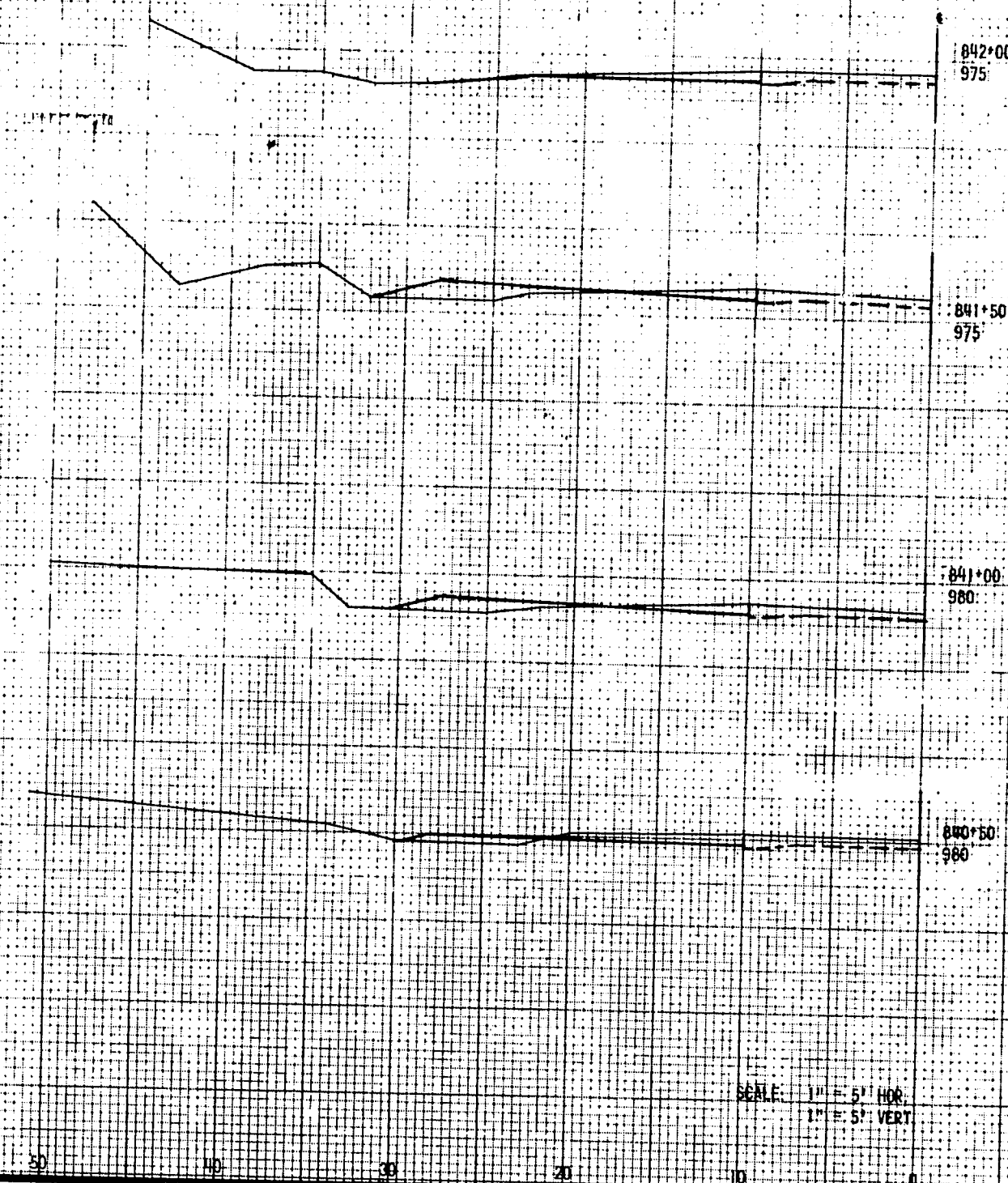


SCALE: 1" = 5' HOR.
1" = 5' VERT.

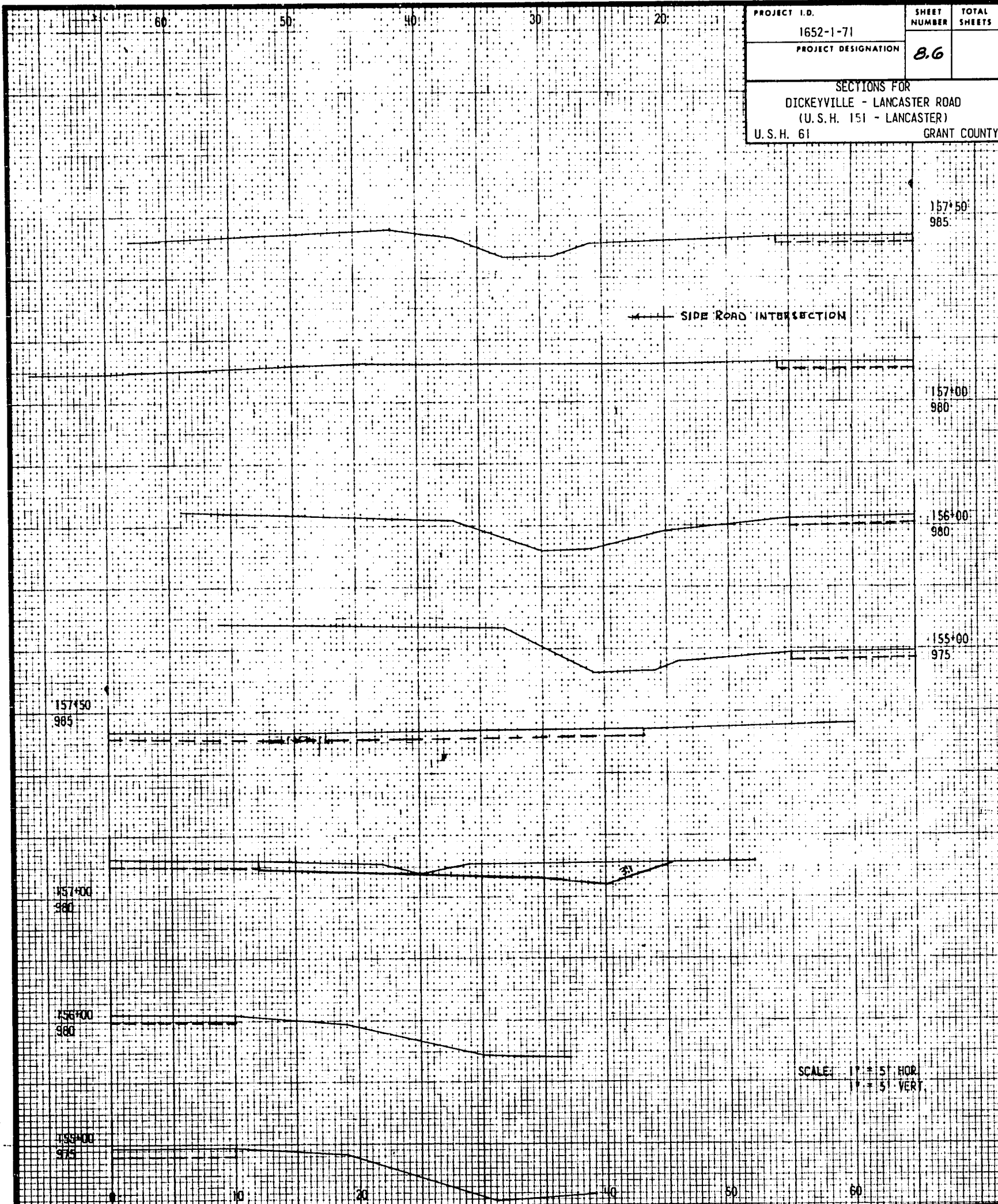
PROJECT I.D.	1652-1-71	SHEET NUMBER	TOTAL SHEETS
PROJECT DESIGNATION		8.4	
SECTIONS FOR DICKKEYVILLE - LANCASTER ROAD (U.S.H. 151 - LANCASTER)			
U.S.H. 61		GRANT COUNTY	



PROJECT I.D.	1652-1-71	SHEET NUMBER	TOTAL SHEETS
PROJECT DESIGNATION		8.5	
SECTIONS FOR DICKKEYVILLE - LANCASTER ROAD (U.S.H. 151 - LANCASTER)			
U.S.H. 61		GRANT COUNTY	



PROJECT I.D.	1652-1-71	SHEET NUMBER	3.6	TOTAL SHEETS	
PROJECT DESIGNATION		3.6			
SECTIONS FOR					
DICKKEYVILLE - LANCASTER ROAD					
(U.S.H. 151 - LANCASTER)					
U.S.H. 61			GRANT COUNTY		



SCALE: 1" = 5' HOR
1" = 5' VERT