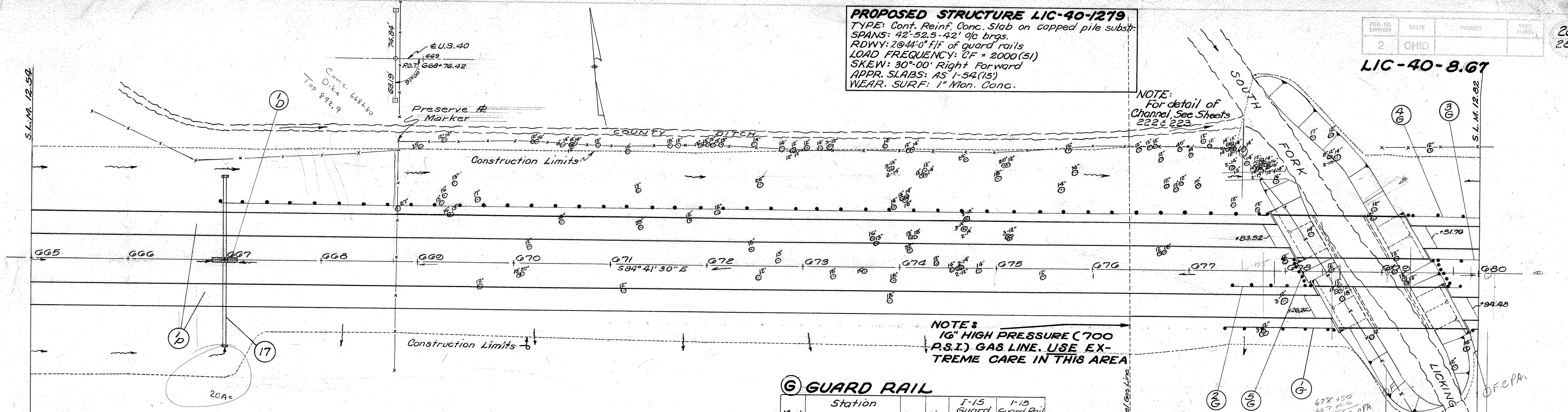


**PROPOSED STRUCTURE LIC-40-1279**  
 TYPE: Cont. Reinf. Conc. Slab on capped pile substr.  
 SPANS: 42'-52.5'-42' g.c. brgs.  
 RDWY: 2@44'-0" flt of guard rails  
 LOAD FREQUENCY: CF = 2000(SI)  
 SKEW: 30'-00' Right Forward  
 APPR. SLABS: AS 1-54(15)  
 WEAR. SURF: 1" Mon. Conc.

LIC-40-8.67



**P PAVEMENT**

Mark	Station From	Station To	7-11 9" Rein. P.C. Conc. Pvl. Sq. Yds.	I-22 Subbase Cu. Yds.	E-1 Compacted Subgrade Sq. Yds.	I-10 Stabilized Berm Cu. Yds.	B-33 3" Bit. Mac. Base Crse. Sq. Yds.	I-10' Rein. Conc. App. Slabs Sq. Yds.
1 P	665+00	680+00	7102.7	2016	7263	668	3934	160.0

**STRUCTURES 20' SPAN & UNDER**

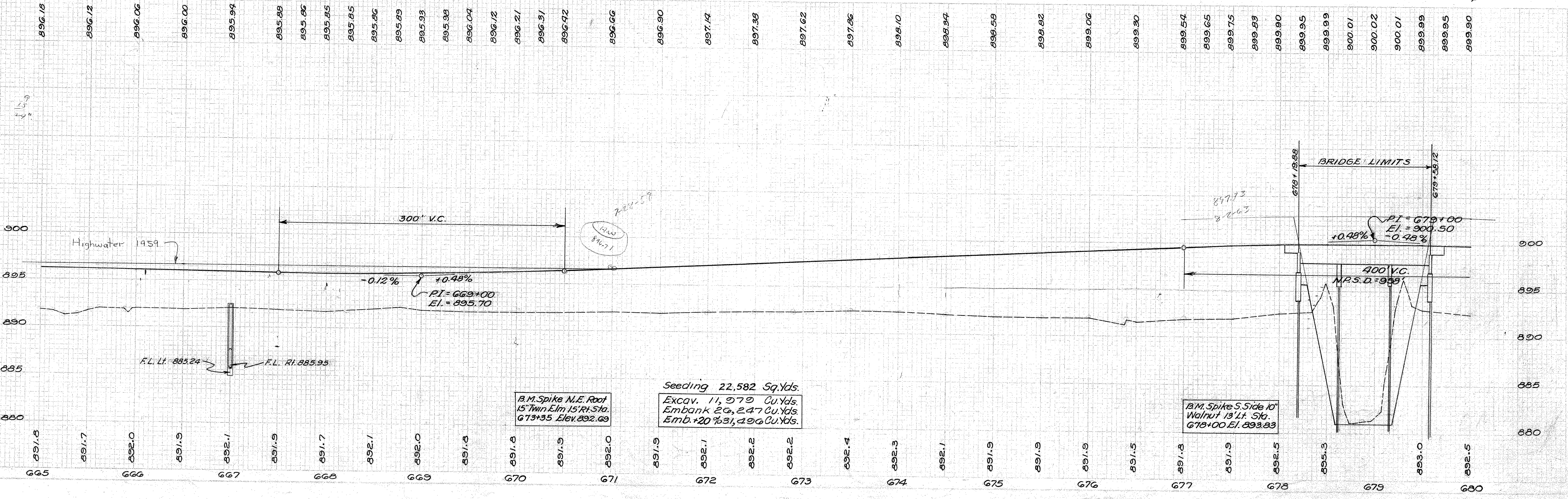
Str. No.	S.L.M.	Station	Existing			Proposed			Details on Sheet
			Type	Size	Leng.	Type	Size	Leng.	
17	12.58	667+00		None		P.C.	27'	177'	216

**G GUARD RAIL**

Mark	Station		Lane Side	I-15 Guard Rail Lin. Ft.	I-15 Guard Rail Posts w/ Rail Each
	From	To			
1 G	677+375	680+000	Rt. Rt.	262.50	
2 G	677+44.38	679+81.88	Rt. Lt.	237.50	
3 G	677+96.11	680+33.61	Lt. Rt.	237.50	
4 G	666+95.71	681+45.71	Lt. Lt.	1450.00	
5 G	678+14.5	679+65.0	Rt. Lt.		10
Deduct for Bridge				552.96	
Totals				1634.54	10

**D DITCHES**

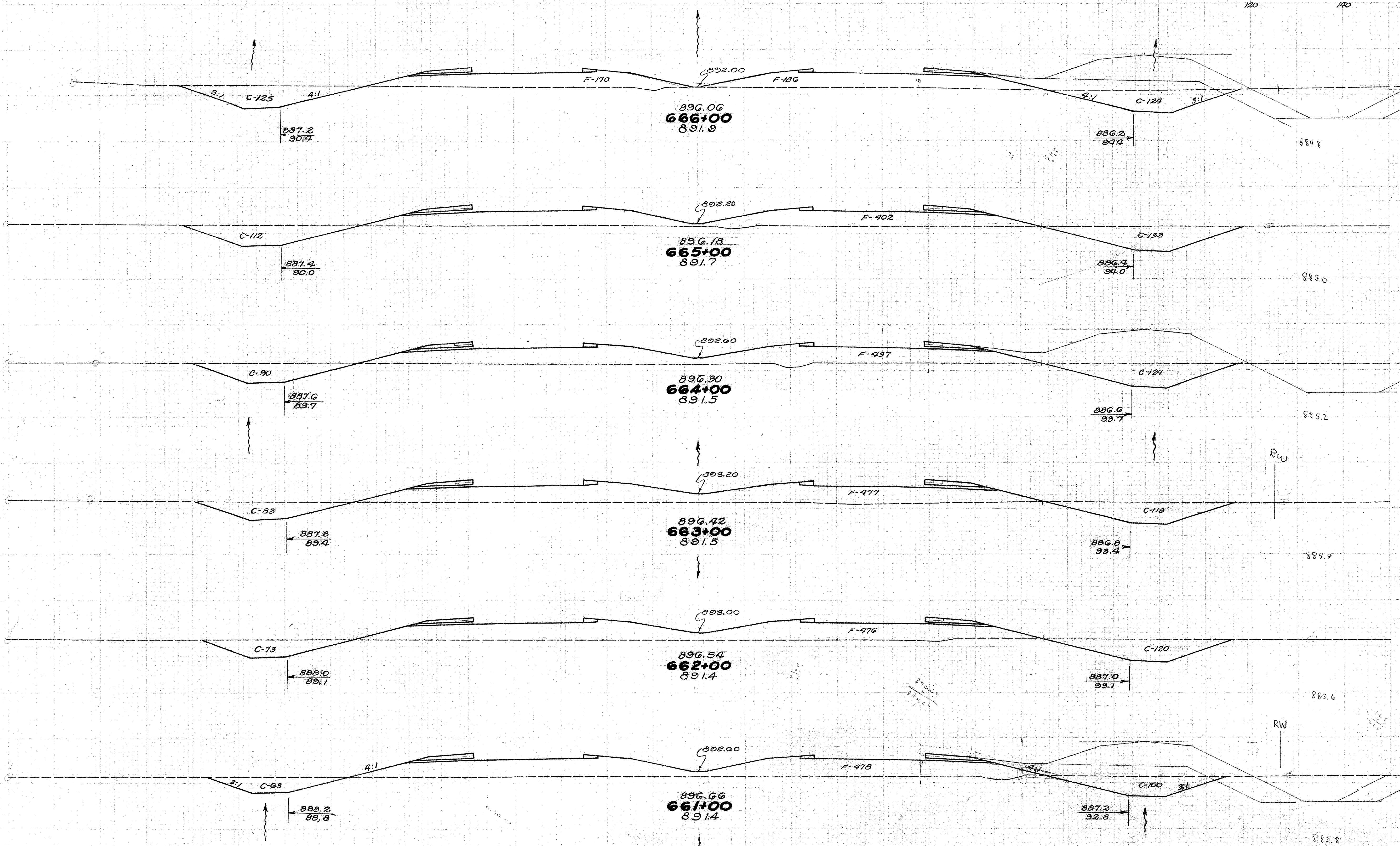
Mark	Station		Side	I-14 Type I Pavd. Gutter Lin. Ft.
	From	To		
1-D	666+87.83	667+12.17	R	20
Totals				20



140 120 100 80 60 40 20 0 20 40 60 80 100

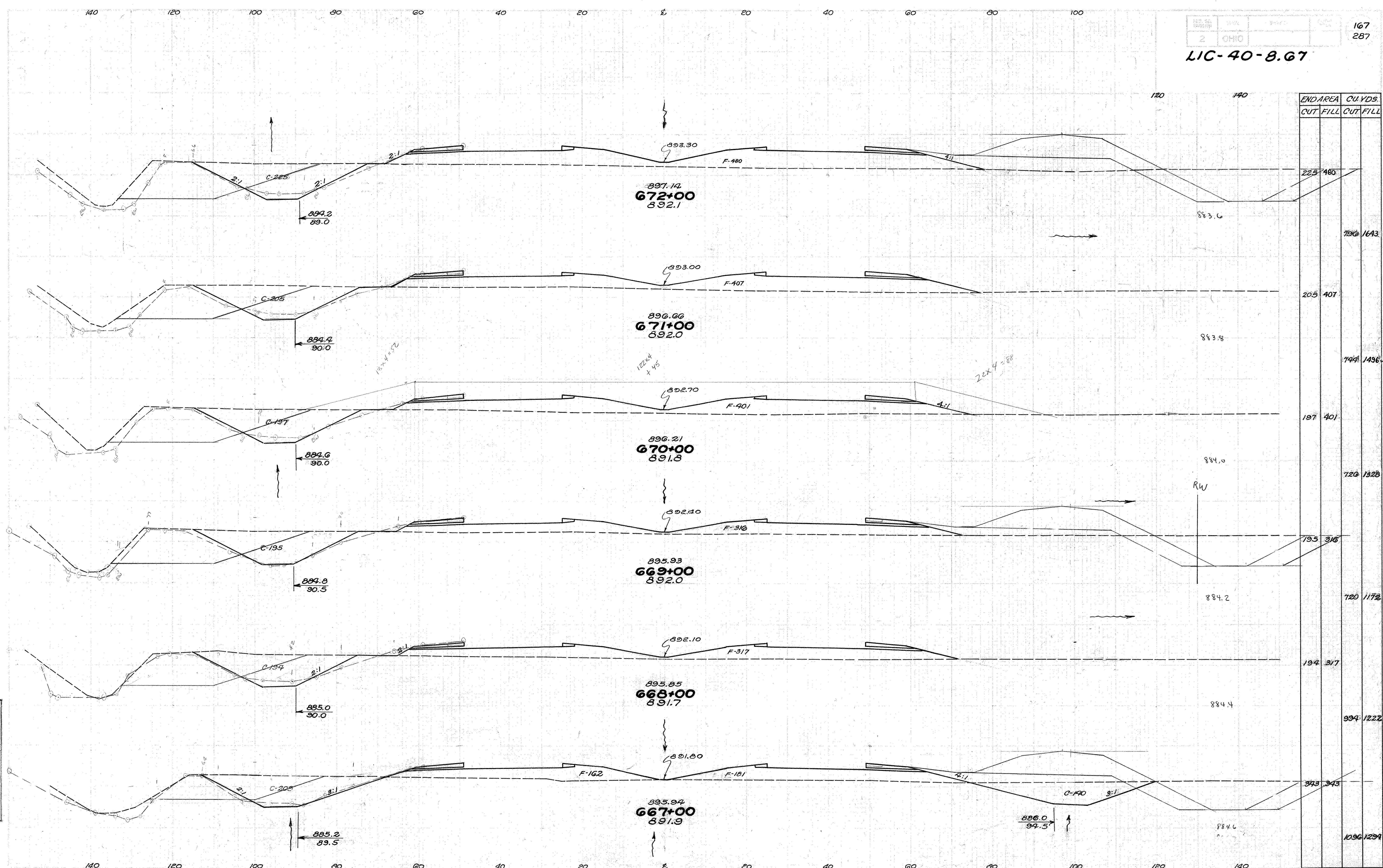
LIC-40-8.67

Sta.	End Area		Cu. Yds	
	Cut	Fill	Cut	Fill
661+00	249	356	915	1404
662+00	245	402	850	1554
663+00	214	437	769	1693
664+00	201	477	730	1765
665+00	193	476	659	1767
666+00	163	478	565	1815

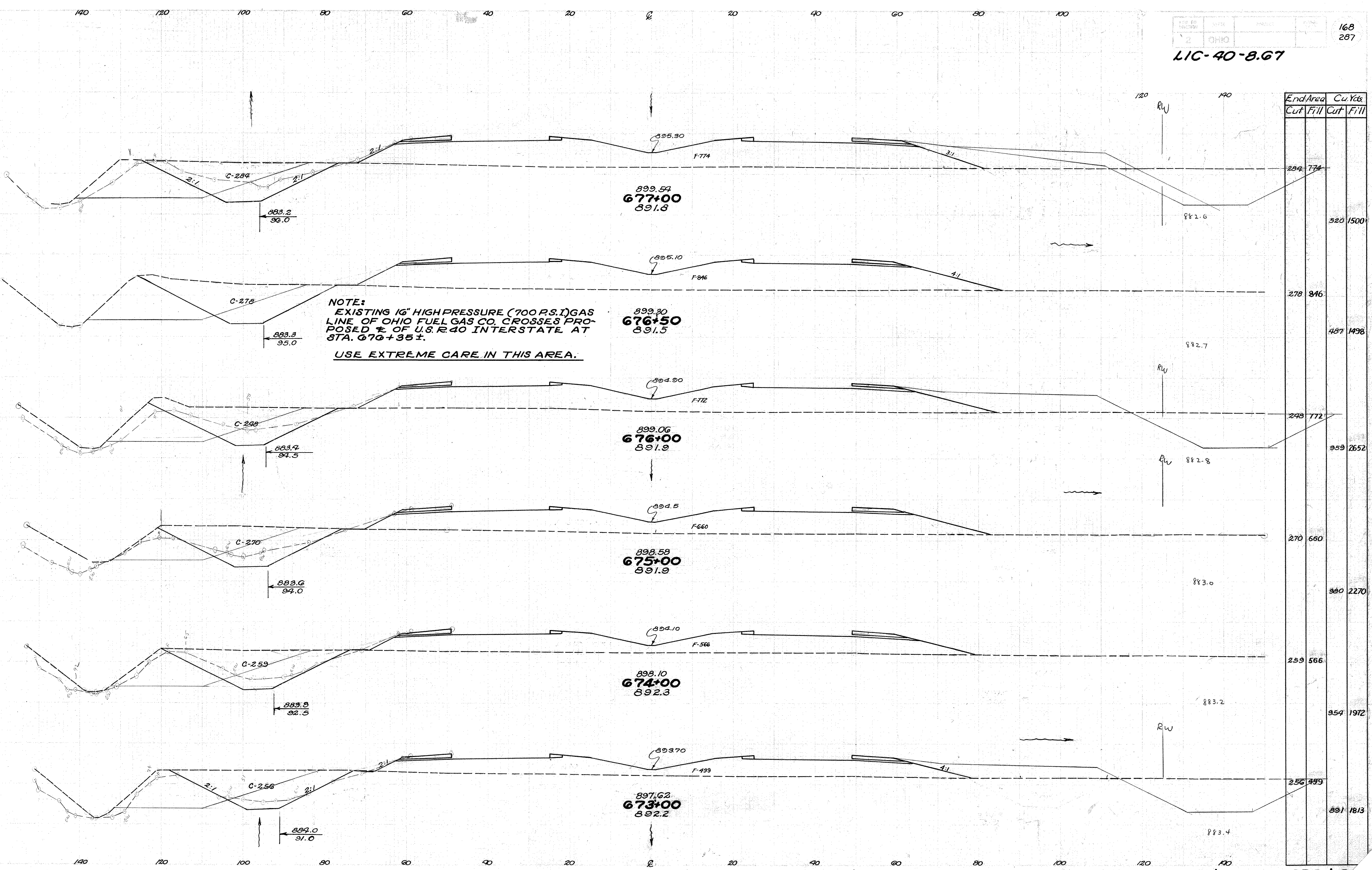


140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

661+00 ~ 666+00



END AREA	CUT	FILL	CU. YDS.	CUT	FILL
225	480		796	1643	
205	407		794	1496	
197	401		720	1328	
195	316		720	1172	
194	317		994	1222	
343	343		1096	1294	

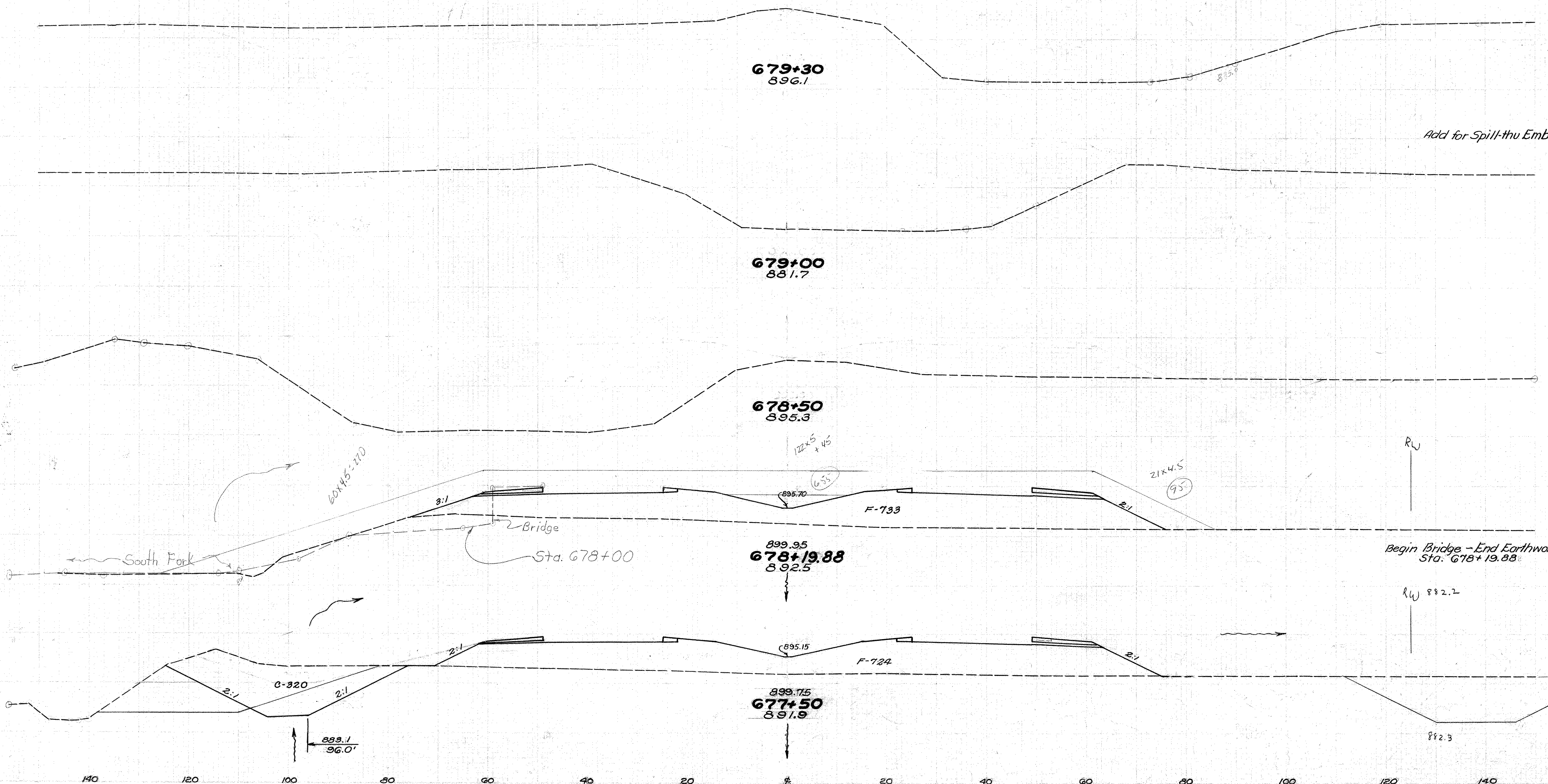


End Area		Cu. Yds.	
Cut	Fill	Cut	Fill
284	774	520	1500
278	846	487	1498
248	772	959	2652
270	660	390	2270
259	566	354	1972
256	499	391	1813

673+00 ~ 677+00

140 120 100 80 60 40 20 0 20 40 60 80 100

BRIDGE LIMITS STA. 678+19.88 to STA. 679+58.12



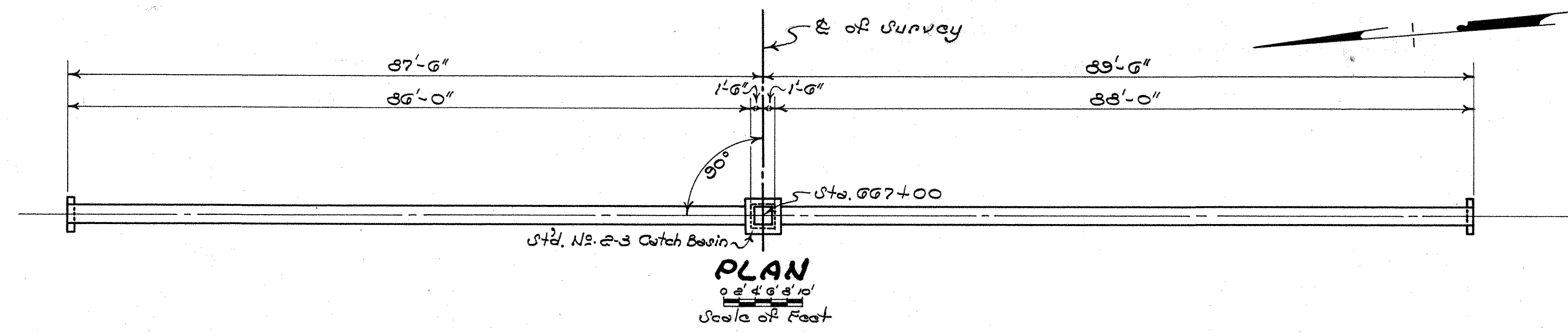
Add for Spill-thu Emb. 169

End Area	Cu. Yds
Cut	Fill
0	733
414	1889
320	729
559	1387

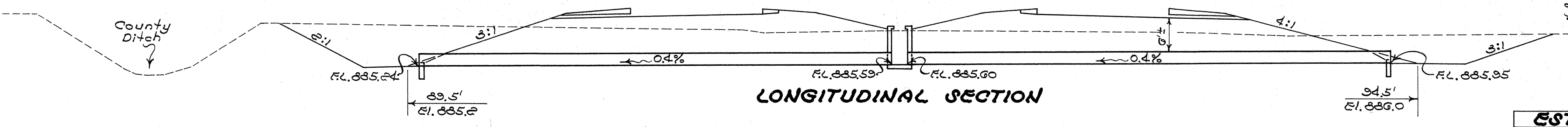
140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

677+50 ~ 678+19.88

LIC-40-8.67

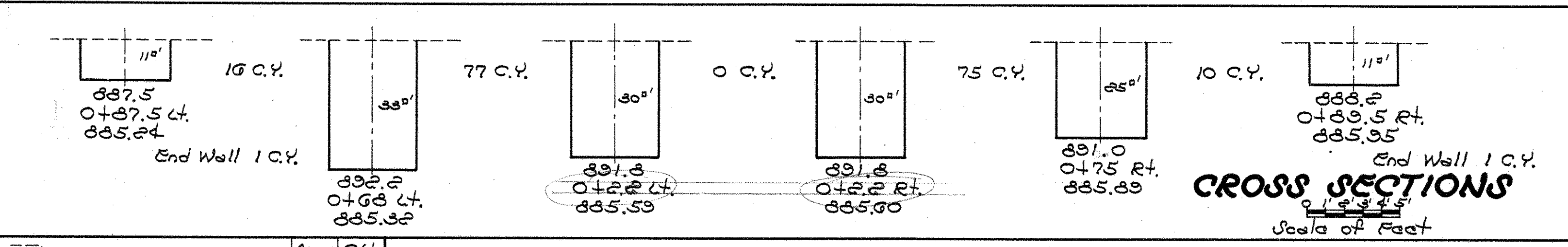


**CULVERT DATA**  
 TYPE :- Pipe Culvert Std. Dwg. S-27 RC. 3 & 4  
 SIZE :- 27" X 177" I-B C.B. 2-3  
 WORK REQUIRED :- Install new Pipe Culvert as per plan, using 2-3 Catch Basin for Median Inlet.



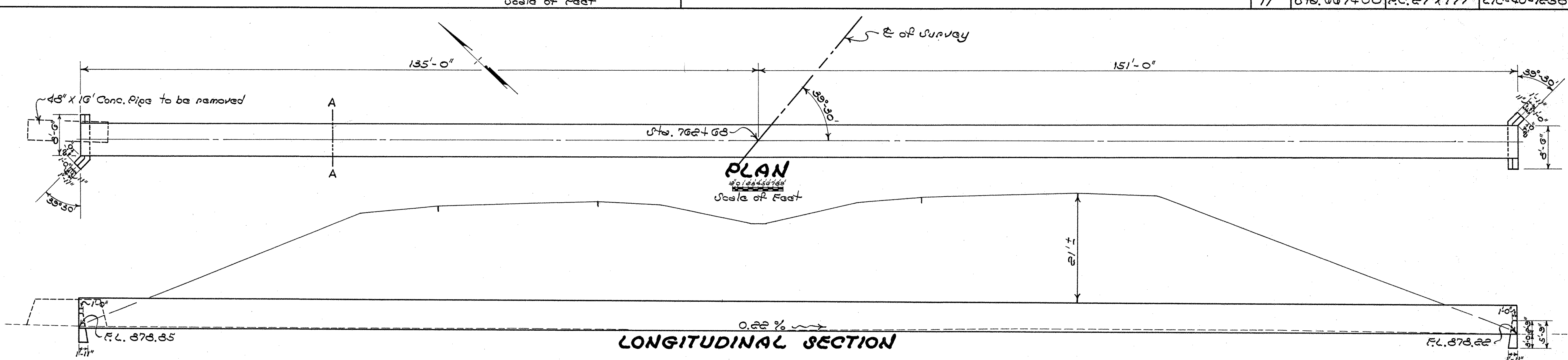
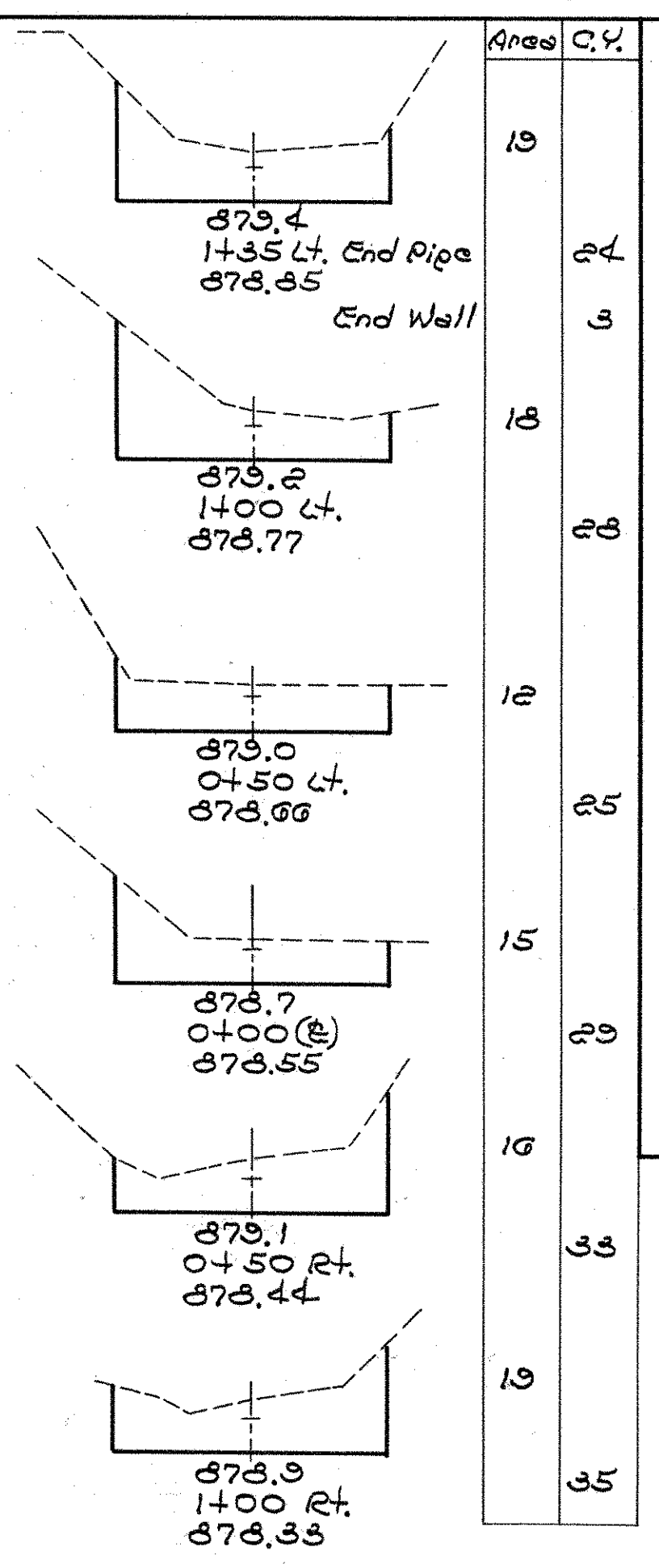
**ESTIMATED QUANTITIES**

Item	Quantity	Description
E-2	130 C.Y.	Excavation for Structure
I-B	1 Only	Std. N2-2-3 Catch Basin
S-1	0.9 C.Y.	Concrete for End Walls, Class "E"
S-27	174 L.F.	27" Pipe for Roadway Culvert Sec. M.G.G (b) or M.G.G (c).

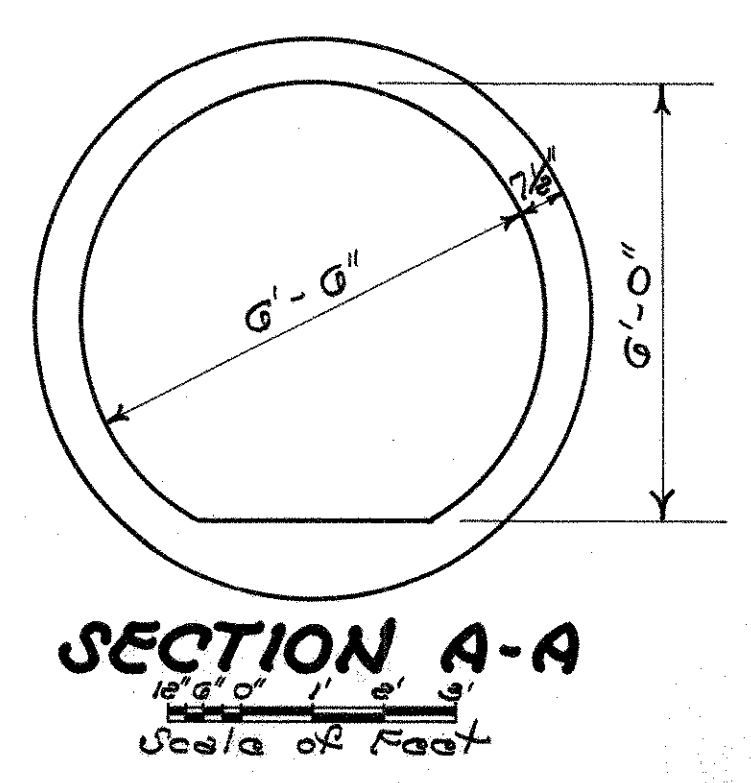


Drainage Area 20 A2. Q50 = 65 X .25 X 1.21 X 65 = 120 c.f.s.

17	Sta. 667+00	P.C. 27" X 177'	LIC-40-125B
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NOTE :- Cattle Pass pipe for this structure shall meet the requirements for alternate design C-2 as shown on Sheet N2-213.



**CULVERT DATA**  
 TYPE :- Flat Base Pipe Culvert Std. Dwg. S-27 RC. 3, S.P. 53  
 SIZE :- 78" X 72" X 236'  
 WORK REQUIRED :- Remove existing concrete pipe. Install new pipe culvert as per plan.

**ESTIMATED QUANTITIES**

Item	Quantity	Description
E-2	130 C.Y.	Excavation for Structure
S-1	4.7 C.Y.	Concrete for End Walls, Class "E"
E-12	16 L.F.	48" Concrete Pipe Removed & Stored.
S-27	286 L.F.	78" X 72" Pipe for Cattle Pass Sec. M-G.G (c).

Drainage Area 300 A2. Q50 = 65 X .4 X 1.21 X 300 = 250 c.f.s.

30	Sta. 762+63	P.C. 78" X 72" X 236'	LIC-40-1439
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