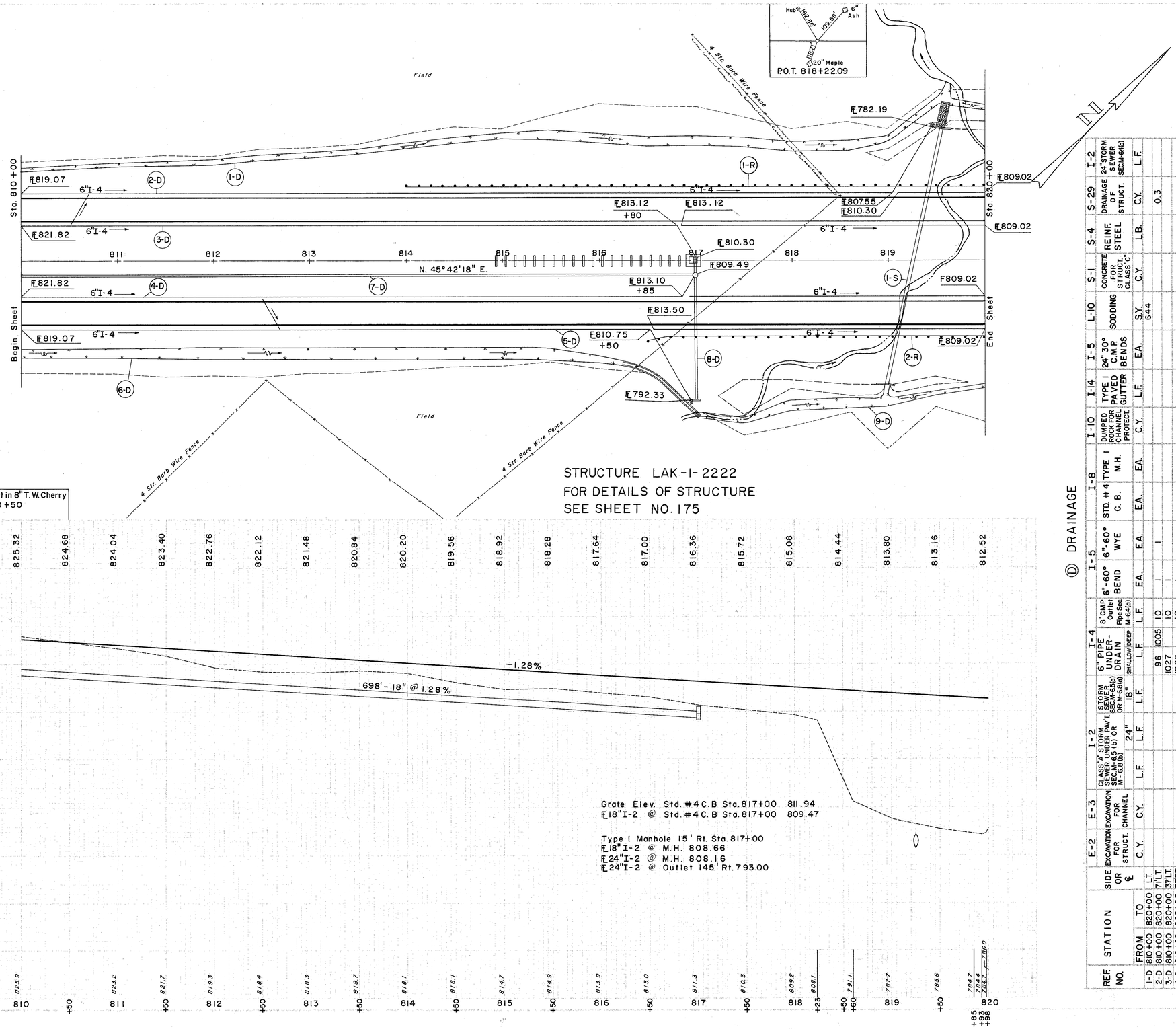
LAKE COUNTY
LAK-1-20.03



STRUCTURE LAK-1-2222
FOR DETAILS OF STRUCTURE
SEE SHEET NO. 175

B.M.#88A Lag Bolt in 8" T.W. Cherry
175' Lt. of Sta. 810+50
Elev. 812.46

Grate Elev. Std. #4 C.B Sta. 817+00 811.94
℄18"I-2 @ Std. #4 C.B Sta. 817+00 809.47

Type I Manhole 15' Rt. Sta. 817+00
℄18"I-2 @ M.H. 808.66
℄24"I-2 @ M.H. 808.16
℄24"I-2 @ Outlet 145' Rt. 793.00

Ⓓ DRAINAGE

REF. NO.	STATION FROM	STATION TO	SIDE OR ℄	I-5 6"-60° WYE EA.	I-4 8" CMP Outlet Pipe Sec. M-64(a) EA.	I-4 6" PIPE UNDER-DRAIN SHALLOW/DEEP L.F.	I-2 STORM SEWER SEC.M-65(b) OR M-68(b) 18" L.F.	I-2 STORM SEWER SEC.M-65(b) OR M-68(b) 24" L.F.	E-2 EXCAVATION FOR STRUCT. C.Y.	E-3 EXCAVATION FOR CHANNEL C.Y.	I-8 TYPE I M.H. EA.	I-8 STD. #4 C. B. EA.	I-10 DUMPED ROCK FOR CHANNEL PROTECT. C.Y.	I-14 TYPE I PAVED GUTTER L.F.	I-5 24" 30° C.M.P. BENDS EA.	L-10 SODDING S.Y.	S-1 CONCRETE FOR STRUCT. CLASS "C" C.Y.	S-4 REINF. STEEL LB.	S-29 DRAINAGE OF STRUCT. C.Y.	T-2 24" STORM SEWER SEC.M-64(a) L.F.
1-D	810+00	820+00	LT.			96							1.5	95						
2-D	810+00	820+00	71 LT.	1	1	1005						1			1					
3-D	810+00	820+00	37 LT.	1	1	1027									1					
4-D	810+00	820+00	37 RT.	1	1	1009									1					
5-D	810+00	820+00	71 RT.	1	1	346	761								1					
6-D	810+00	817+00	RT.																	
7-D	810+00	817+00	℄					698												
8-D	817+00		℄RT.					78	8	339		1			2	58	5.2	2.18		5.8
9-D	817+00	820+00	RT.					12								270				

Ⓢ STRUCTURES

REF. NO.	STATION FROM	STATION TO	SIDE OR ℄	E-2 EXCAV. FOR STRUCT. C.Y.	I-10 DUMPED ROCK FOR CHANNEL PROTECT. C.Y.	L-10 SODDING S.Y.	S-1 CONCRETE FOR STRUCT. CLASS "C" C.Y.	S-4 REINF. STEEL LB.	S-27 48" PIPE FOR RDWY. CULVERT SEC.M-66(a) L.F.	S-1 CONCRETE FOR STRUCT. CLASS "E" C.Y.
1-S	819+25		LT&RT	375	81	17.4	29	22.5	1081	274	0.47

Ⓡ ROADWAY

REF. NO.	STATION FROM	STATION TO	SIDE OR ℄	E-2 EXCAV. FOR STRUCT. C.Y.	I-10 DUMPED ROCK FOR CHANNEL PROTECT. C.Y.	L-10 SODDING S.Y.	S-1 CONCRETE FOR STRUCT. CLASS "C" C.Y.	S-4 REINF. STEEL LB.	S-27 48" PIPE FOR RDWY. CULVERT SEC.M-66(a) L.F.	S-1 CONCRETE FOR STRUCT. CLASS "E" C.Y.
1-R	814+00	820+00	LT.	375	81	17.4	29	22.5	1081	274	0.47
2-R	816+50	820+00	RT.							
		TOTAL		375	81	17.4	29	22.5	1081	274	0.47

REF. NO.	STATION FROM	STATION TO	SIDE OR ℄	I-8 TYPE I M.H. EA.	I-8 STD. #4 C. B. EA.	I-10 DUMPED ROCK FOR CHANNEL PROTECT. C.Y.	I-14 TYPE I PAVED GUTTER L.F.	I-5 24" 30° C.M.P. BENDS EA.	L-10 SODDING S.Y.	S-1 CONCRETE FOR STRUCT. CLASS "C" C.Y.	S-4 REINF. STEEL LB.	S-29 DRAINAGE OF STRUCT. C.Y.	T-2 24" STORM SEWER SEC.M-64(a) L.F.
1-D	810+00	820+00	LT.			1.5	95						
2-D	810+00	820+00	71 LT.		1			1				0.3	
3-D	810+00	820+00	37 LT.					1					
4-D	810+00	820+00	37 RT.					1				0.3	
5-D	810+00	820+00	71 RT.					1					
6-D	810+00	817+00	RT.										
7-D	810+00	817+00	℄										
8-D	817+00		℄RT.	1	1			2	58	5.2	2.18		5.8
9-D	817+00	820+00	RT.						270				

SODDING LEFT DITCH

STATION	DEPTH FT.	SLOPES F.	SLOPES B.	WIDTH FT.	LENGTH FT.	AREA S.Y.
810+00	0.3	4:1	4:1	4.4	500	289
815+00	0.5	4:1	4:1	6.0	SUBTOTAL	289

SODDING RIGHT DITCH

STATION	DEPTH FT.	SLOPES F.	SLOPES B.	WIDTH FT.	LENGTH FT.	AREA S.Y.
810+00	0.53	3:1	3:1	9.7	550	501
816+00	0.6	4:1	4:1	6.8		
817+00	0.2	4:1	4:1	5.6	160	149
818+60	0.9	4:1	4:1	11.2	140	121
820+00	3	4:1	4:1	4.4	SUBTOTAL	771

SODDING LEFT DITCH

STATION	DEPTH FT.	SLOPES F.	SLOPES B.	WIDTH FT.	LENGTH FT.	AREA S.Y.
815+00	1.0	4:1	4:1	6.0	360	240
818+60	1.0	4:1	4:1	6.0		
818+60	.45	4:1	4:1	5.6	90	90
819+50	.8	4:1	4:1	8.4		
819+50	3	4:1	4:1	4.4	50	25
820+00	3	4:1	4:1	4.4	SUBTOTAL	355

EXCAVATION	= 6,907 C.Y.
EMBANKMENT	= 42,302 C.Y.
EMBANKMENT +22 %	= 51,608 C.Y.

STA. 810+00 TO STA. 820+00