FED. ROAD DIST. NO.	STATE	FEDERAL PROJ. NO.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
5N	MINN.	058-11( )		7	41

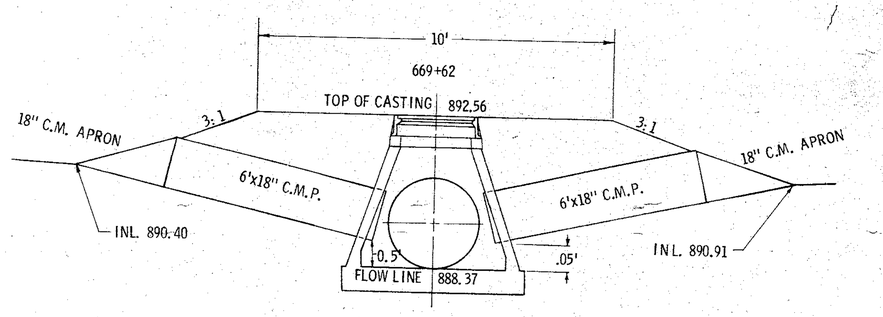
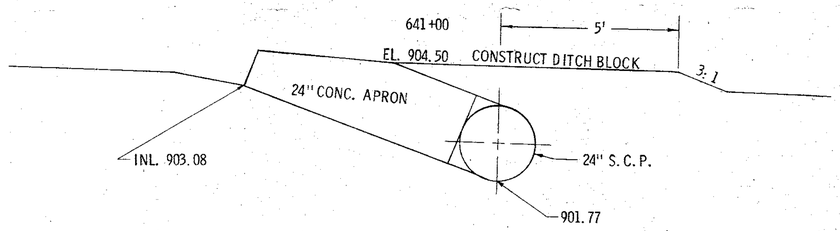
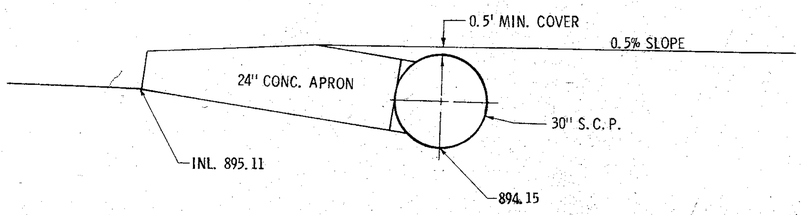
STORM SEWER

LINE	STRUCTURE NO.	STATION	LOCATION	CONSTRUCTION DESIGN M.H.	CONSTRUCTION DESIGN C.B.	CONSTRUCTION PAY HEIGHT LIN. FT.	TOP OF CASTING OR INLET ELEV.	OUTLET ELEV.	F.B.I. CASTING ASSEMBLY TYPE	REMOVE	ADJUST	RECONSTRUCT	FURNISH AND INSTALL PIPE SEWER 12" RCP LIN. FT.	CLASS	APRONS S.C.	APRONS C.M.	DRAINS TO NO.	GRADE %	INL. EL.	OUT EL.	SODDING SQ. YD.
1	1	EB 669+62	34' Rt.	C - G		4.3	892.56	888.37	A								Outlet	0.3			
2	2	Rd. Conn. 532+85	23' Lt.		C - G	2.4	892.81	890.32	B				58'	II	1		Outlet	0.33	890.32	890.13	6
3	3	WB 675+10	21' Rt.		C - G	3.4	893.86	890.38	B				14'	II			2	0.4	890.38	890.32	
4	4	EB 679+15	23' Rt.		C - G	3.4	893.23	889.79	B				76'	II	1		Outlet	0.4	889.79	889.49	6
5	5	EB 710+30	13' Rt.		C - G	2.7	891.31	888.65	C				62'	II	1		Outlet	0.4	888.65	888.40	6
6	6	EB 715+28	13' Rt.		C - G	4.0	890.23	886.22	C								SCP Inp.	1.25			
7	7	WB 715+28	13' Lt.		C - G	4.0	890.54	886.45	B								6	0.4			
8	8	EB 720+65	13' Rt.		C - G	3.3	888.77	885.36	C				18'	II			9	0.4	885.36	885.29	
9	9	WB 720+65	13' Lt.		C - G	3.3	888.65	885.29	B				40'	II	1		Outlet	0.5	885.29	885.09	6
10	10	EB 727+90	13' Rt.		C - G	3.6	886.84	883.14	C				18'	II			11	0.4	883.14	883.07	
11	11	WB 727+90	13' Lt.		C - G	3.3	886.42	883.07	B				40'	II	1		Outlet	0.5	883.07	882.87	6
12	12	EB 734+85	13' Rt.		C - G	4.0	885.64	881.63	B				4'	II			13	0.5	881.63	881.61	
13	13	WB 734+82	12' Lt.		C - G	3.5	885.20	881.61	B				28'	II	1		Outlet	0.5	881.61	881.47	6
14																					
15																					

CASTING ASSEMBLIES			
KEY	FRAME	GRATE	C. BOX
A	700-7	712	
B	802	811	823
C	802	811	833

CASTING SUMMARY						
CASTING NO.	700-7	712	802	811	823	833
NO. REQUIRED	1	1	12	12	8	4

DRAINAGE

STATION	LOCATION	IN PLACE	REMARKS	REMOVE PORT. CULV. LIN.FT.	REMOVE CONC. STRUCT. CU. YD.	PORTABLE CULVERTS EXC. CU. YD	SODDING SQ. YD.	RIP-RAP CU. YD	F. & I. 18" CMP LIN.FT.	F. & I. 18" CMP AP.	F. & I. 22"CMPA LIN.FT.	F. & I. 22"CMPA AP.	F. & I. 24"CMP LIN.FT.	F. & I. 24"CMP AP.	F. & I. 36"CMPA LIN.FT.	F. & I. 36"CMPA AP.	Install SCP LIN.FT.	F. & I. 18"SCP LIN.FT.	F. & I. 18"SCP AP.	F. & I. 24" SCP LIN.FT.	F. & I. 24" SCP AP.	F. & I. 30"SCP LIN.FT.	F. & I. 30"SCP AP.	F. & I. 42" SCP LIN.FT.	F. & I. 42" SCP AP.	F.B.I. 7°30' L.R.B. NO	F.B.I. 7°30' L.R.B. AP.
WB 616+35	37' Rt.	18"x52'CMP+2 Ap.	Leave as is																								
WB 616+72	℄	18"x40' SCP + 2Ap.	Raise	52			11										52	4									
EB 633+48	℄	24"x54' SCP	Rem. end sec. & aban.	12																							
EB 633+85	45' Lt.						13		40	2																	
WB 641+00	℄ Fr. Rd. Rt.		Incl. 30"T-Sec. 24"Riser				21													100	3						
Fr. Rd. 642+00	Fr. Rd. Lt.					2	13				44	2										1	110	2			6
EB 649+00	℄ EB & WB		Incl. 30"T-Sec. 24"Riser			79	18																				
EB 649+67	℄	24" x 68' SCP	Abandon																								
WB 650+77	30' Rt.						17								124	2											
EB 659+85	Rt.	15" x 22' CMP	Remove	22																							
EB 669+62	℄	30" x 56' SCP	Reset End Sec. (N.)	6													6										
WB 669+62	℄					31	22		12	2												84	1				
EB 674+26	187' Lt.	42" x 60' SCP	Remove	60																							
Rd Conn. 529+12.7	℄		27° Skew			(1)	22																				
Rd Conn. 533+76	70' Rt.					15	13		46	2														90	2		
Rd. Conn. 541+00	28' Rt.						13		26	2																	
Rd. Conn. 543+00	℄					9	13											44	2								
Fr. Rd. Lt. 703+91	℄	36" x 32' CMP	30° Skew	32		(1)	22																	60	2		
Fr. Rd. Lt. 712+05	℄						9		36	2																	
Fr. Rd. Rt. 715+30	℄					3	15						40	2													
EB 715+28	℄	24" x 54' SCP	Reset End Sec. (N.)	16													16										
WB 715+28	℄					8	7													42	1						
EB 720+14	Rt.	15"x 26' CMP		26																							
WB 731+05	40' Rt.								26	2																	
EB 729+37	41' Lt.	18" CMP Vertical	Leave as is																								

(1) Quantity included in channel excavation.