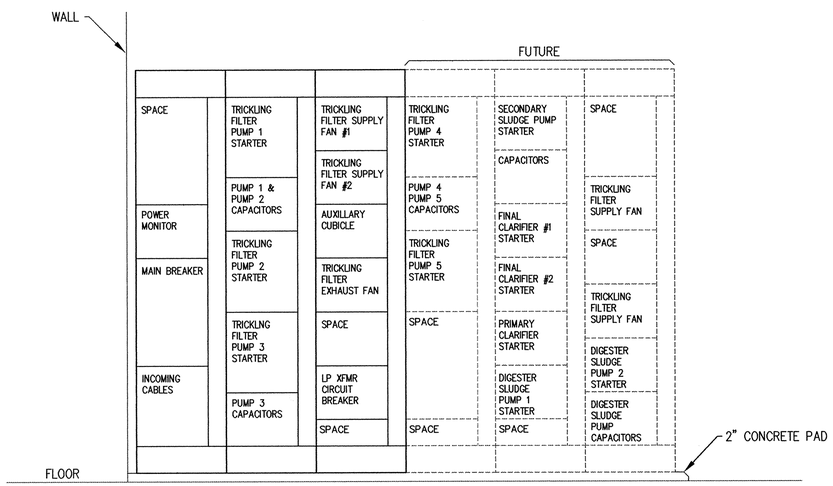
TRICKLING FILTER LIGHTING PANEL, TFLP

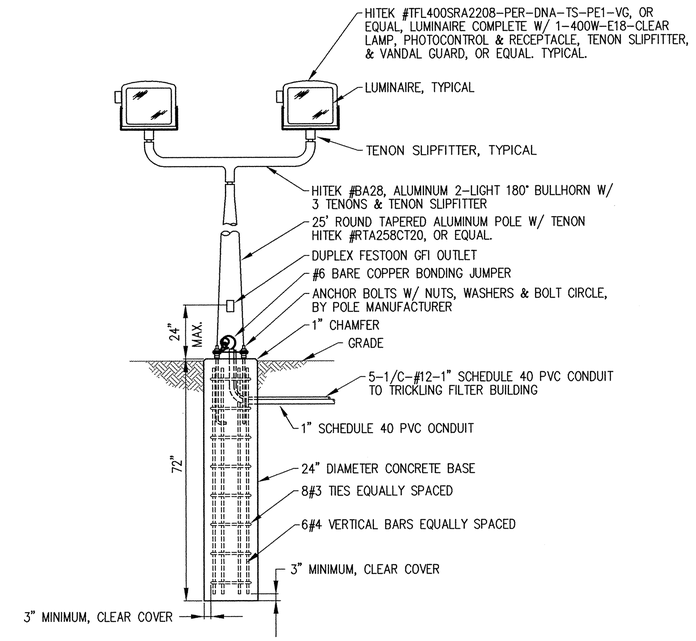
MOUNTING	LOCATION	SERVICE				REMARKS
		AMPS	VOLTS	PHASE	WIRE	
SURFACE	TRICKLING FILTER PUMP STATION, 1st LVL	200	120/208	3	4	100AMP MAIN BREAKER

CIRCUIT DESCRIPTION	BKR	CKT	ANTICIPATED LOAD IN VA	PHASE A	PHASE B	PHASE C	ANTICIPATED LOAD IN VA	CKT	BKR	CIRCUIT DESCRIPTION
CONTROL PANEL	20A1P	1	800	■			1500	2	20A1P	AIR COMPRESSOR OUTLET
LIGHTS	20A1P	3	900		■		1000	4	20A1P	SUMP PUMP
OUTLETS, EXTERIOR LIGHTS	20A1P	5	800			■		6	20A1P	TRICKLING FILTER LIGHTS
UNIT HEATER	15A1P	7	300	■			200	8	20A1P	TRICKLING FILTER CONVENIENCE OUTLETS
SPARE	20A1P	9	----		■		400	10	20A	SITE LIGHTING
	20A1P	11	----			■	400	12	2P	" "
	20A1P	13	----	■			200	14	20A1P	SITE LIGHTING CONVENIENCE OUTLETS
	20A1P	15	----		■		500	16	20A	AIR COMPRESSOR
SPACE	----	17	----			■	500	18	2P	" "
	----	19	----	■			----	20	20A1P	SPARE
	----	21	----		■		----	22	----	SPACE
	----	23	----			■	----	24	----	
	----	25	----	■			----	26	----	
	----	27	----		■		----	28	----	
	----	29	----			■	----	30	----	
	----	31	----	■			----	32	----	
	----	33	----		■		----	34	----	
	----	35	----			■	----	36	----	
	----	37	----	■			----	38	----	
	----	39	----		■		----	40	----	
	----	41	----			■	----	42	----	

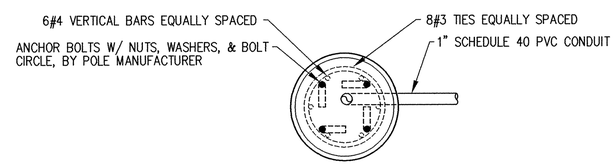


TRICKLING FILTER PUMP STATION MCC ELEVATION

SCALE: 3/4" = 1'-0" SUGGESTED



SIDE VIEW



PLAN VIEW

SITE LIGHT FIXTURE MOUNTING DETAIL

NO SCALE

CONCRETE BASE NOTES

1. CONCRETE SHALL HAVE 6% AIR ENTRAINMENT & A 28 DAY STRENGTH OF 4000 PSI
2. REINFORCING STEEL SHALL BE ASTM A615, GRADE 60, NEW BILLET, INTERMEDIATE GRADE, DEFORMED W/ 60000 PSI YIELD STRENGTH.

This drawing was prepared by:
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I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

DATE MAY 11, 1994 REG.NO. 9955

MSA CONSULTING ENGINEERS
1326 ENERGY PARK DRIVE
ST. PAUL, MINNESOTA 55108
(612) 644-4389

9800 SHELARD PARKWAY
MINNEAPOLIS, MINNESOTA 55441
(612) 546-0432

REVISIONS	DATE	DESCRIPTION

DESIGNED PFK
CHECKED PFK
DRAWN DTB
GRAPHIC SCALE 0 HORIZ. 0 VERT.

CITY OF ELK RIVER
WASTEWATER TREATMENT FACILITIES
MCC ELEVATION & DETAILS

E11

DATE DEC 1993 SHEET ___ OF ___ SHEETS PROJECT NO. 230-151

K:AI#92361AG--SHEET E11--PS:1=1
B:\92361AG Mon Feb 28 07:27:10 1994