



DWG. NO.	B.M.	APPRO. NO.	REVISION DESCRIPTION	DATE	BY	CHK'D.	APPR.	DWG. NO.	B.M.	APPRO. NO.	REVISION DESCRIPTION	DATE	BY	CHK'D.	APPR.
A			ORIGINAL ISSUE												

① END SECTION						
MARK	SIZE	N.R.	LENGTH	TOTAL FEET	WT LBS.	SHAPE
S7a	1"	39	9'-6"	370.50	989.24	STR.
S6a	7/8"	18	12'-2"	219.01	447.66	BENT
S6b	3/4"	23	16'-10"	387.16	581.51	BENT
S6c	7/8"	18	9'-6"	171.00	349.52	STR.
L6a	7/8"	4	15'-4"	61.33	125.36	STR.
L6c	7/8"	34	24'-6"	833.00	1702.65	STR.
L6d	7/8"	4	5'-2"	20.67	42.25	STR.
V5a	5/8"	85	7'-2"	609.20	635.40	BENT
V5b	5/8"	18	6'-0"	108.00	112.64	STR.
V5c	5/8"	18	4'-4"	77.94	81.29	BENT
V5d	5/8"	7	6'-5"	44.94	46.87	STR.
S5s	3/4"	8	5'-0"	40.00	60.08	STR.
K5b	5/8"	8	4'-5"	35.36	36.88	BENT
K5d	5/8"	8	3'-8"	29.33	30.59	BENT
S4a	1/2"	18	9'-6"	171.00	114.23	STR.
S4b	1/2"	23	15'-7"	358.41	239.42	BENT
TOTAL				5595.59		

② END SECTION						
MARK	SIZE	N.R.	LENGTH	TOTAL FEET	WT LBS.	SHAPE
S7a	1"	39	9'-6"	370.50	989.24	STR.
S6a	7/8"	18	12'-2"	219.01	447.66	BENT
S6b	3/4"	23	16'-10"	387.16	581.51	BENT
S6c	7/8"	18	9'-6"	171.00	349.52	STR.
L6a	7/8"	4	15'-4"	61.33	125.36	STR.
L6c	7/8"	34	24'-6"	833.00	1702.65	STR.
L6d	7/8"	4	5'-2"	20.67	42.25	STR.
V5a	5/8"	85	7'-2"	609.20	635.40	BENT
V5b	5/8"	18	6'-0"	108.00	112.64	STR.
V5c	5/8"	18	4'-4"	77.94	81.29	BENT
V5d	5/8"	7	6'-5"	44.94	46.87	STR.
S5s	3/4"	8	5'-0"	40.00	60.08	STR.
K5b	5/8"	8	4'-5"	35.36	36.88	BENT
K5d	5/8"	8	3'-8"	29.33	30.59	BENT
S4a	1/2"	18	9'-6"	171.00	114.23	STR.
S4b	1/2"	23	15'-7"	358.41	239.42	BENT
TOTAL				5599.76		

TYPICAL MID SECTION - 17 REQ'D						
MARK	SIZE	N.R.	LENGTH	TOTAL FEET	WT LBS.	SHAPE
S7a	1"	28	9'-6"	266.00	710.24	STR.
S6a	7/8"	28	12'-2"	340.67	696.33	BENT
S6b	3/4"	28	16'-10"	471.32	707.92	BENT
S6c	7/8"	28	9'-6"	266.00	543.70	STR.
L6a	7/8"	38	24'-6"	412.00	2,291.32	STR.
V5a	5/8"	112	7'-2"	802.70	839.24	BENT
V5b	5/8"	22	6'-0"	132.00	137.68	STR.
V5c	5/8"	22	4'-4"	95.33	99.43	BENT
K5a	5/8"	4	5'-6"	22.00	22.95	BENT
K5b	5/8"	8	4'-5"	17.67	18.43	BENT
K5c	5/8"	4	4'-8"	18.67	19.47	BENT
K5d	5/8"	8	3'-8"	29.33	30.59	BENT
S4a	1/2"	28	9'-6"	266.00	177.69	STR.
S4b	1/2"	28	15'-7"	436.33	291.47	BENT
TOTAL				6575.42	x17= 111,782.14	

WATER & BRINE LINE SUPPORTS						
MARK	SIZE	N.R.	LENGTH	TOTAL FEET	WT LBS.	SHAPE
D6a	3/4"	84	2'-3"	189.00	283.88	BENT
D6b	3/4"	258	1'-5"	366.36	550.27	BENT
TOTAL				555.36	834.15	

ESTIMATED QUANTITIES		
E-2	EXCAVATION FOR STRUCTURE	323.6 CU YDS
S-1	CONCRETE FOR STRUCTURE CLASS C	785.2 CU YDS
S-4	REINFORCING STEEL	123,812 LBS.

NOTES
LAK. 2-13.12
LAK. 44-588
LAKE COUNTY

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NOTE:
Subsequent to the completion of these plans, the design of the structure on this sheet was altered. Consequently, the bar marks can be used only for identification and not for denoting the size of the bar.

PN 135-13-1

REFERENCE DRAWINGS
ASSOCIATE ENGINEERS
FULLERTON & KERR
PAINESVILLE, OHIO

APPROVALS:
WGP DATE 5-3-60
DATE
DATE

CONTRACT NO.

DIAMOND ALKALI COMPANY
CENTRAL ENGINEERING DEPARTMENT

PLANT PAINESVILLE DEPT. W
8'x6' CONCRETE CULVERT
S. R. 44 CROSSING.

PW 114-12 A