STORM DRAIN SCHEDULE

LINE NO.	STRUCT. NO.	TYPE	RIM OR TOP ELEV.	INVERT ELEV. IN	INVERT ELEV. OUT	PER CENT OF GRADE	LENGTH OF PIPE (FEET)	R.C.P. SIZE (IN.)	R.C.P. CLASS	FRAME & COVER OR GRATE	FEET A	FEET B	FEET C	FEET D	REMARKS
A	A-1	F.E.S.	-	-	5515.80					-	-	-	-	-	
						2.0	177	12	III						
	A-2	M.H.	5526.30	5519.45	5519.35					MCF-30-HD	4	-	2.50	6.95	
						1.5	118	12	III						
	A-3	M.H.	5528.60	5521.30	5521.20					MCF-30-HD	4	-	2.50	7.40	
						1.5	73	12	III						
	A-4	M.H.	5528.60	5522.50	5522.40					MCF-30-HD	4	-	2.50	6.20	
						1.5	79	12	III						
	A-5	M.H.	5528.60	-	5523.70					MCF-30-HD	4	-	2.50	4.90	
B	B-1	M.H.	5527.90	-	5524.00					MCF-30-HD	4	-	2.50	3.90	
						1.5	80	12	III						
	A-3	M.H.	5528.60	5522.80	5521.20					MCF-30-HD	4	-	2.50	7.40	
C	C-1	M.H.	5531.00	-	5523.50					MCF-30-HD	4	-	2.50	7.50	
				5521.30		1.76	125	15	III						
	LINE "F" 42" RCP		-		-					-	-	-	-	-	SEE TAP DETAIL SHT. C8.02
D	F-1	M.H.	5530.10	5521.50	5520.50					MCF-30-HD	5	-	2.5	9.60	
						0.40	51	36	III						
	D-1	C.I.	5529.30	5522.30	5521.70					MCF-30-HD	4	5	2.50	7.60	20' EXTENDED INLET
						0.35	250	30	III						
	D-2	A.I.	5527.30	5523.67	5523.17					AIG-36-HD	5	4	3.0	4.13	
						0.50	53	24	III						
	D-3	A.I.	5528.00	-	5523.93					AIG-36-HD	4	8	3.0	4.07	DOUBLE AREA INLET
E	D-1	C.I.	5529.30	5524.70	5521.70					MCF-30-HD	4	5	2.50	7.60	20' EXTENDED INLET
						0.65	15	12	III						
	E-2	M.H.	5529.65	5525.00	5524.80					MCF-30-HD	4	-	2.50	4.85	
						0.65	82	12	III						
	E-1	C.I.	5529.36	-	5525.50					MCF-30-HD	4	4	2.50	3.86	10' EXTENDED INLET
F	F-3	H.W.	-	-	5519.20					-	-	-	-	-	MANPROOF H.W.
						0.36	28	48	III						
	F-2	C.I.	5527.68	5519.50	5519.30					MCF-30-HD	6	5	2.50	8.38	10' EXTENDED INLET
						0.26	387	42	III						
	F-1	M.H.	5530.10	-	5520.50					MCF-30-HD	5	-	2.5	9.60	
G	6" Roof Drain		-	-	5523.25					MCF-30-HD	-	-	-	-	
						1.5	103	15	III						
	K-3	A.I.	5528.70	5521.70	5520.94					AIG-36-HD	4	4	3.0	7.76	
H	F-2	C.I.	5527.68	5520.80	5519.30					MCF-30-HD	6	5	2.50	8.38	10' EXTENDED INLET
						0.50	233	21	III						
	H-1	C.I.	5526.26	-	5522.00					MCF-30-HD	4	4	2.50	4.26	10' EXTENDED INLET
J	K-3	A.I.	5528.70	5525.50	5520.94					AIG-36-HD	4	4	3.0	7.76	
						2.0	25	12	III						
	J-1	M.H.	5529.30	-	5526.00					MCF-30-HD	4	-	2.50	3.30	
K	K-1	A.I.	5524.40	-	5522.00					AIG-36-HD	4	8	3.0	2.40	DOUBLE AREA INLET
						0.31	167	21	IV						
	K-2	M.H.	5531.00	5521.48	5521.38					MCF-30-HD	4	-	2.50	9.62	
						0.30	113	21	III						
	K-3	A.I.	5528.70	5521.04	5520.94					AIG-36-HD	4	4	3.0	7.76	
						0.30	67	24	III						
	F-1	M.H.	5530.10	5520.74	5520.50					MCF-30-HD	5	-	2.50	9.60	
L	L-1	H.W.	-	-	5504.75					-	-	-	-	-	MANPROOF HEADWALL
						0.50	82	29x45	IV						
	L-2	H.W.	-	5505.20	-					-	-	-	-	-	MANPROOF HEADWALL
M	M-1	H.W.	-	-	5529.35					-	-	-	-	-	
						0.40	35	18	IV						3-18" Ø PIPE
	M-2	J. Box	5533.35	5529.60	5529.50					MCF-30-HD	4	10	2.5	3.85	SEE NOTE 5.
						0.40	102	18	IV						3-18" Ø PIPE
	M-3	H.W.	-	5530.00	-					-	-	-	-	-	
N	D-2	A.I.	5527.30	5524.50	5523.17					AIG-36-HD	4	4	3.0	4.13	
						2.0	81	6	PVC						PVC PIPE
	6" Roof Drain		-	-	5526.12					-	-	-	-	-	4" TO 6" TRANSITION
P	F-2	C.I.	5527.68	5519.40	5519.30					MCF-30-HD	6	5	2.50	8.38	10' EXTENDED INLET
						0.35	418	30	III						
	P-1	A.I.	5527.00	5520.95	5520.85					AIG-36-HD	4	8	3.00	6.15	DOUBLE AREA INLET
						0.40	248	24	III						
	P-2	A.I.	5525.70	-	5521.90					AIG-36-HD	4	8	3.00	3.80	DOUBLE AREA INLET

SUBDRAIN SCHEDULE

LINE NO.	STRUCT. NO.	TYPE	RIM OR TOP ELEV.	INVERT ELEV. IN	INVERT ELEV. OUT	PER CENT OF GRADE	LENGTH OF PIPE (FEET)	DIAMETER OF PIPE (INCHES)	FRAME & COVER OR GRATE	FEET A	FEET B	FEET C	FEET D	REMARKS
A	A-2	O.R.	5527.70	-	5524.70				R-1974-A	-	-	-	3.00	
						0.5	325	6						
	A-2	M.H.	5526.30	5523.10	5519.35				MCF-30-HD	4	-	2.50	6.95	
	A-2	M.H.	5526.30	5520.80	5519.35				MCF-30-HD	4	-	2.50	6.95	
						0.5	184	6						
	A-1	O.R.	5524.20	-	5521.70				R-1974-A	-	-	-	2.50	
B	B-1	O.R.	5530.15	-	5526.48				R-1974-A	-	-	-	3.67	
						0.6	382	6						
	F-2	C.I.	5527.68	5524.15	5524.15				MCF-30-HD	6	5	2.50	8.38	
						0.6	233	6						
	H-1	C.I.	5526.26	5522.75	5522.00				MCF-30-HD	4	4	2.50	4.26	
C	H-1	C.I.	5526.26	5522.76	5522.00				MCF-30-HD	4	4	2.50	4.26	
						1.4	145	6						
	C-2	M.H.	5528.39	5524.89	5524.79				MCF-30-HD	3.5	3.5	2.50	3.60	SUBDRAIN M.H.- MANPROOFED
						0.6	516	6						
	C-1	O.R.	5531.46	-	5527.96				R-1974-A	-	-	-	3.50	
D	E-1	C.I.	5529.36	5525.86	5525.50				MCF-30-HD	4	4	2.50	3.86	
						1.4	273	6						
	D-1	O.R.	5533.25	-	5529.75				R-1974-A	-	-	-	3.50	
E	E-2	M.H.	5529.65	5525.60	5524.80				MCF-30-HD	4	-	2.50	4.85	
						0.5	82	6						
	E-1	C.I.	5529.36	-	5526.00				MCF-30-HD	4	4	2.50	3.86	
F	E-2	M.H.	5529.65	5526.15	5524.80				MCF-30-HD	4	-	2.50	4.85	
						0.75	285	6						
	F-1	O.R.	5533.30	-	5528.30				R-1974-A	-	-	-	5.00	
G	P-2	A.I.	5525.70	5524.00	5521.90				AIG-36-HD	4	8	3.00	3.80	DOUBLE AREA INLET
						8.8	30	6						NON-PERFORATED PIPE
	G-2	M.H.	5532.50	5526.75	5526.65				MCF-30-HD	3.50	3.50	2.50	5.85	SUBDRAIN M.H.
						0.4	501	6						
	G-3	O.R.	5532.50	-	5528.75				R-1974-A	-	-	-	3.75	
H	H-1	O.R.	5532.75	-	5529.25				R-1974-A	-	-	-	3.5	
						2.0	206	6						
	CULVERT A 24" RCP		-	5525.13	-				-	-	-	-	-	SEE TAP DETAIL SHT.C8.02
J	M-2	J.Box	5533.35	5529.60	5529.50				MCF-30-HD	4	10	2.50	3.85	
						0.35	288	6						
	J-1	O.R.	5536.29	-	5530.58				R-1974-A	-	-	-	5.71	
K	LINE "M" 18" RCP		-	5530.40	-				-	-	-	-	-	SEE TAP DETAIL SHT.C8.02
						0.35	285	6						
	K-1	O.R.	5536.25	-	5531.40				R-1974-A	-	-	-	4.85	

LEGEND:

A.I.	AREA INLET
C.I.	CURB INLET
M.H.	MANHOLE
O.R.	OBSERVATION RISER
P.V.C.	POLYVINYL CHLORIDE
J.Box	JUNCTION BOX
H.W.	HEADWALL
F.E.S.	FLARED END SECTION

NOTES:

1. ALL STORM DRAIN AND SUBDRAIN LINE DIMENSIONS ARE FROM CENTERLINE TO CENTERLINE OF STRUCTURE OR TO FACE OF HEADWALL AND ACTUAL LENGTH IN FIELD MAY VARY SLIGHTLY FROM THAT SHOWN.
2. STORM DRAIN HEADWALLS SHALL BE MANPROOFED WHEN INDICATED IN THE REMARKS COLUMN OF THE STORM DRAIN SCHEDULE. SEE SHEET C7.06 FOR HEADWALL AND MANPROOFING DETAILS.
3. ALL MANHOLE COVERS AND GRATED COVERS FOR ALL STORM DRAIN MANHOLES, CURB INLETS AND AREA INLETS SHALL BE MANPROOFED. SEE SHEET C7.03 FOR MANPROOFING DETAILS.
4. STORM DRAIN JUNCTION BOX M-2 SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE AREA INLET DETAILS ON SHEET C7.05 EXCEPT THAT A SOLID 30-INCH MANHOLE COVER (MCF-30-HD) SHALL BE PROVIDED IN LIEU OF A GRATED COVER.
5. FOR STORM DRAIN PIPES UP TO AND INCLUDING 36" IN DIAMETER, PLASTIC PIPE MAY BE SUBSTITUTED FOR CLASS III R.C.P. SEE SPECS AND SHEET C8.02 FOR PLASTIC PIPE BEDDING REQUIREMENTS.
6. MANPROOF SUBDRAIN MANHOLE COVERS WHEN INDICATED ON SCHEDULE IN REMARKS COLUMN. SEE SHEET C7.03 FOR MANPROOFING DETAILS.
7. NON-PERFORATED SUBDRAIN PIPE (LINE "G" OUTFALL) SHALL HAVE CLASS B BEDDING. SEE SHEET C8.02 FOR BEDDING DETAILS.

COMPUTER AIDED DESIGN & DRAFTING

$$ – THINK VALUE ENGINEERING – $$

Revisions

Symbol	Descriptions	Date	Approved

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
OMAHA, NEBRASKA

Designed by:
Drawn by:
Checked by:
Reviewed by:
Submitted by:
Chief: Section

SITE NAME: OMAHA DISTRICT DESIGN GUIDE
SITE LOCATION

STORM DRAIN AND SUBDRAIN SCHEDULES

Plot Scale Ratio:
Design File:
Date: X
Spec. No.: DACA 45
Drawing Code: X
Contract No.: DACA 45
Sheet reference number: **C6.02**