

SUMMARY OF QUANTITIES (FOR INFORMATION ONLY)					
EXCAVATION CLASS III (CU.YDS)	CLASS A CONC. (AE) (CU.YDS)	REINFORCING STEEL (GR.60) (LBS.)	CONCRETE PILES 12" SQ. (20' LONG)	HYDRO SLUICE GATE MODEL 50-10 (72x72 SQ. OPENING)	HYDRO FLAP GATE (72x72 SQ. OPENING)
3,572	648	77,090	10	4	4

NOTE: CLASS A CONCRETE FOR SEAL COURSE = 570 CU. YDS.

BID LENGTH = 115.0 LIN. FT.

COUNTY	STATE	PROJECT NUMBER	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
SEDGWICK	KANSAS	819 - W	1988	47	92

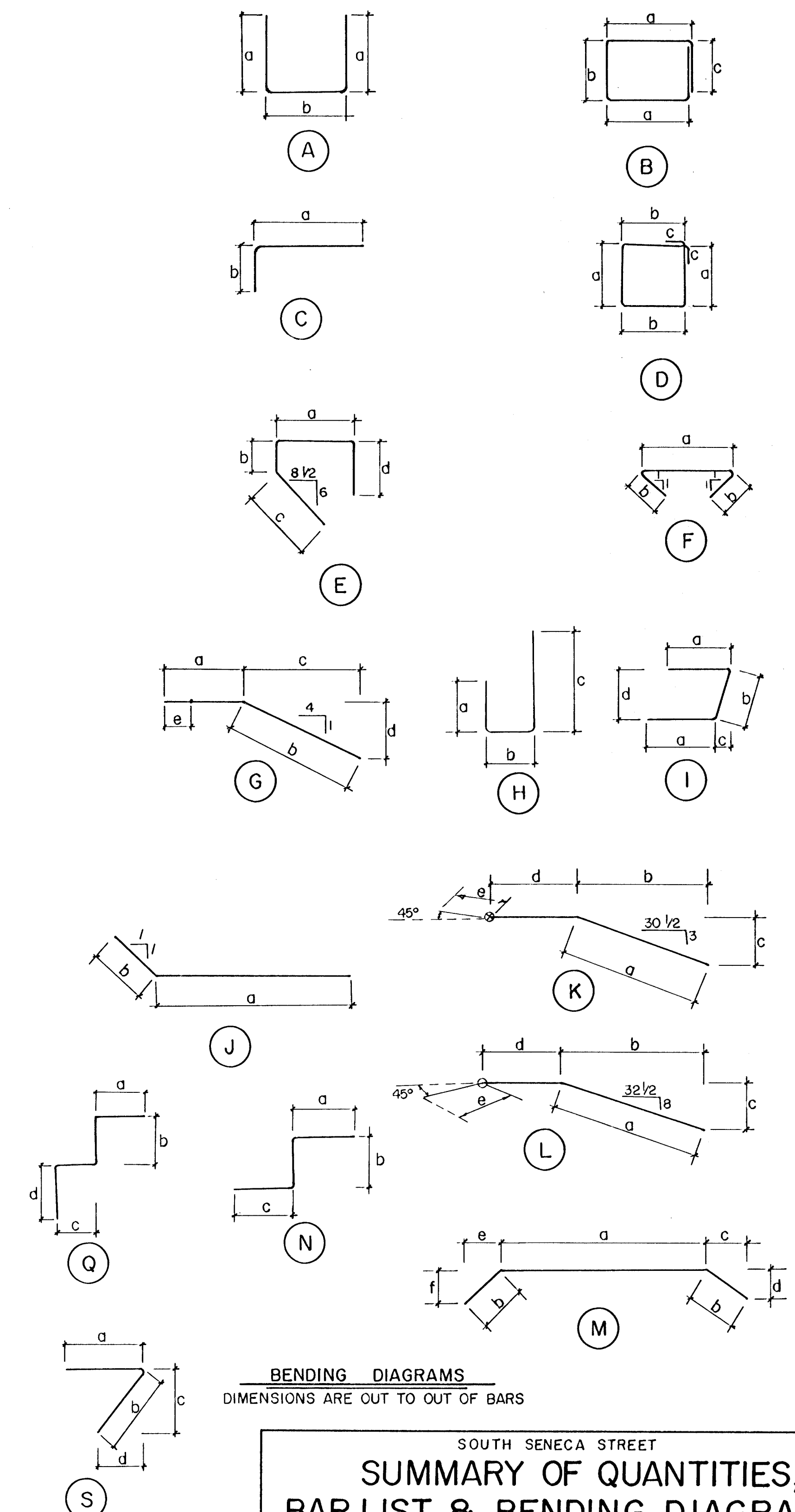
BAR LIST

MARK	BEND TYPE	SIZE	NO.	LENGTH	DIMENSIONS					
					a	b	c	d	e	f
A	Str.	5	390	34'-5"						
B1	Str.	5	60	60'-0"						
B2	Str.	5	14	19'-9"						
B3	Str.	5	16	16'-3"						
B4	Str.	5	16	12'-9"						
B5	Str.	5	14	9'-3"						
C	Str.	5	56	60'-0"						
C1	Str.	5	8	56'-8"						
C2	Str.	5	8	53'-2"						
C3	Str.	5	8	49'-8"						
C4	Str.	5	8	5'-4"						
V	Str.	5	1065	7'-9"						
H1	Str.	5	28	26'-0"						
H11	Str.	5	32	26'-0"						
H2	Str.	5	78	17'-7"						
H22	Str.	5	28	17'-7"						
H3	Str.	5	28	9'-2"						
H33	Str.	5	28	9'-2"						
A1	Str.	5	378	28'-10"						
E	Str.	5	1	34'-6"						
DW	Str.	4	320	4'-0"						
V1	Str.	5	84	10'-7"						
V2	Str.	5	212	15'-7"						
V3	Str.	5	10	10'-9"						
H4	Str.	5	112	4'-9"						
H6	Str.	5	68	9'-2"						
CG1	Str.	5	28	8'-0"						
CG2	Str.	5	42	11'-6"						
PI	Str.	5	44	9'-2"						
P	Str.	5	44	9'-2"						
P2	Str.	5	104	5'-5"						
G	Str.	5	100	9'-0"						
K3	Str.	4	29	14'-3 3/4"						
KF	Str.	4	4	59'-9"						
KF1	Str.	4	3	58'-3"						
WF1	Str.	5	121	5'-3"						
WF2	Str.	5	18	23'-3"						
WF3	Str.	4	12	20'-11"						
WV1	Str.	4	8	5'-0"						
WV2	Str.	4	6	5'-11 1/2"						
WV3	Str.	4	4	7'-5 1/2"						
WV4	Str.	4	4	8'-5 1/2"						
L9	Str.	4	35	18'-0"						
L1	Str.	4	23	50'-0"						
LF	Str.	4	7	38'-0"						
EB	Str.	5	6	37'-3"						
RF	Str.	5	9	53'-0"						
RF1	Str.	4	6	50'-0"						
RV1	Str.	4	10	4'-0"						
RV2	Str.	4	4	4'-1"						
RV3	Str.	4	4	5'-10 1/2"						
AP	Str.	5	10	34'-5"						

MARK	BEND TYPE	SIZE	NO.	LENGTH	DIMENSIONS					
					a	b	c	d	e	f
RV4	Str.	4	4	5'-8"						
RV5	Str.	4	4	6'-5 3/8"						
RV6	Str.	4	3	7'-3"						
QF	Str.	5	9	25'-0"						
QF1	Str.	4	6	20'-0"						
QV1	Str.	4	3	4'-11"						
QV2	Str.	4	2	6'-5"						
QV3	Str.	4	2	7'-4 5/8"						
B	Str.	5	20	*1						
F	C	5	20	F	*2	1'-8"				
F1	Str.	5	4	*3						
F2	Str.	5	6	*4						
B6	Str.	5	6	*5						
B7	Str.	5	4	*6						
AE	Str.	5	50	*7						
AE1	Str.	5	42	*8						
K1	Str.	4	30	*9						
K2	C	4	28	F	*10	1'-8"				
K4	Str.	4	28	*10						
L2	Str.	4	8	*11						
L3	Str.	4	8	*12						
L4	Str.	4	20	*13						
L7	Str.	4	41	*14						
L5	C	4	41	F	*14	1'-8"				
L6	C	4	6	F	*15	1'-8"				
L8	Str.	4	6	*15						
H5	A	4	96	15'-3"	5'-3"	4'-9"				
H7	B	4	48	8'-8"	3'-3"	0'-9"	0'-8 1/2"			
H8	A	4	16	15'-11"	5'-3"	5'-5"				
DL	C	4	160	3'-7"	2'-5"	1'-2"				
P3	D	4	24	7'-0"	1'-8"	1'-5"	0'-5"			
P4	D	4	48	5'-8"	1'-8"	0'-9"	0'-5"			
G1	E	4	96	3'-10 3/4"	1'-5"	0'-3 3/4"	1'-2"	1'-0"		
G2	F	4	96	2'-6"	1'-6"	0'-6"				
W4	Str.	4	4	20'-0"						
G4	D	4	49	5'-10"	1'-9"	0'-9"	0'-5"			
K	C	4	29	15'-11 3/4"	14'-3 3/4"	1'-8"				
U	A	4	179	8'-1"	3'-8"	0'-9"				
W	G Δ	5	4	21'-2"	4'-3"	16'-11"	16'-5"	4'-1"	Δ	
WF	C	5	108	9'-0"	5'-3"	3'-9"				
WL	C	4	50	5'-2"	3'-6"	1'-8"				
WT	H	4	108	6'-1"	1'-8"	0'-9"	3'-8"			
WL1	C	4	8	6'-8"	5'-0"	1'-8"				
WL2	C	4	6	7'-7 1/2"	5'-11 1/2"	1'-8"				
WL3	C	4	4	9'-1 1/2"	7'-5 1/2"	1'-8"				
WL4	C	4	4	10'-1 1/2"	8'-5 1/2"	1'-8"				
W1	J	5	4	21'-6"	19'-10"	1'-8"				
W11	J	5	4	21'-10"	20'-2"	1'-8"				
W2	J	5	2	18'-6"	16'-10"	1'-8"				
W22	J	5	2	18'-10"	17'-2"	1'-8"				
W3	J	5	2	12'-6"	10'-10"	1'-8"				
W33	J	5	2	12'-10"	11'-2"	1'-8"				

MARK	BEND TYPE	SIZE	NO.	LENGTH	DIMENSIONS					
					a	b	c	d	e	f
L	C	4	35	19'-8"	18'-0"	1'-8"				
E1	M Δ	4	3	36'-5 1/2"	33'-1 1/2"	1'-8"	1'-6 1/2"	0'-7 5/8"	0'-7 5/8"	1'-6 1/2"
E2	M Δ	4	3	37'-0"	33'-8"	1'-8"	1'-6 1/2"	0'-7 5/8"	0'-7 5/8"	1'-6 1/2"
R1	J	5	2	49'-9 1/2"	48'-1 1/2"	1'-8"				
R11	J	5	2	50'-1 1/4"	48'-5 1/4"	1'-8"				
R2	J	5	1	42'-5 7/8"	40'-5 7/8"	1'-8"				
R22	J	5	1	42'-5 9/8"	40'-9/8"	1'-8"				
R3	J	5	1	26'-11"	25'-3"	1'-8"				
R33	J	5	1	27'-2 5/8"	25'-6 5/8"	1'-8"				
RT	K Δ	5	1	57'-9 1/2"	48'-6"	48'-3 3/8"	4'-9"	7'-7 1/2"	1'-8"	
RT1	K Δ	5	1	58'-1 1/4"	48'-6"	48'-3 3/8"	4'-9"	7'-11 1/4"	1'-8"	
RL1	C	4	10	5'-8"	4'-0"	1'-8"				
RL2	C	4	4	5'-9"	4'-1"	1'-8"				
RL3	C	4	4	7'-6 1/2"	5'-10 1/2"	1'-8"				
RL4	C	4	4	7'-4"	5'-8"	1'-8"				
RL5	C	4	4	8'-13/8"	6'-5 3/8"	1'-8"				
RL6	C	4	3	8'-11"	7'-3"	1'-8"				
Q1	J	5	2	21'-7"	19'-11"	1'-8"				
Q11	J	5	2	21'-11"	20'-3"	1'-8"				
Q2	J	5	1	17'-9"	16'-1"	1'-8"				
Q22	J	5	1	18'-1"	16'-5"	1'-8"				
Q3	J	5	1	11'-8"	10'-0"	1'-8"				
Q33	J	5	1	12'-0"	10'-4"	1'-8"				
QT	L Δ	5	1	24'-6 1/2"	19'-10"	19'-3 1/2"	4'-9"	3'-0 1/2"	1'-8"	
QT1	L Δ	5	1	24'-10 1/2"	19'-10"	19'-3 1/2"	4'-9"	3'-4 1/2"	1'-8"	
QL1	C	4	3	6'-7"	4'-11"	1'-8"				
QL2	C	4	2	8'-1"	6'-5"	1'-8"				
QL3	C	4	2	9'-0 5/8"	7'-4 5/8"	1'-8"				
EC	I	4	12	3'-9 3/4"	1'-6"	0'-9 3/4"	0'-3 5/8"	0'-8"		
AK1	Q	4	20	5'-7 1/2"	2'-0"	0'-11 1/2"	1'-0"	1'-8"		
AK2	N	4	20	5'-7 3/8"	1'-5"	1'-3 3/8"	2'-8"			
T1	M Δ	4	4	34'-11"	31'-7"	1'-8"	1'-2 1/8"	1'-2 1/8"	1'-2 1/8"	1'-2 1/8"
T2	M Δ	4	3	33'-7"	30'-3"	1'-8"	1'-2 1/8"	1'-2 1/8"	1'-2 1/8"	1'-2 1/8"
DQ	S Δ	4	7	4'-9"	2'-9"	1'-10 1/8"	0'-9 1/8"			
DR	S Δ	4	7	6'-0"	4'-0"	2'-0"	0'-9 1/8"	1'-10 1/8"		
DT	S Δ	4	14	5'-0"	3'-0"	2'-0"	1'-5"	1'-5"		

*1.	Incr. from 36'-8 5/8" to 39'-2 5/8" by 7 1/2", CUT 4 each length.
*2.	Incr. from 37'-9 5/8" to 40'-3 5/8" by 7 1/2", CUT 4 each length.
*3.	Incr. from 38'-5 1/8" to 39'-8 1/8" by 1'-3", CUT 2 each length.
*4.	Incr. from 38'-1 7/8" to 39'-11 7/8" by 11 1/4", CUT 2 each length.
*5.	Incr. from 37'-0 3/8" to 38'-10 3/8" by 11 1/4", CUT 2 each length.
*6.	Incr. from 37'-4 1/8" to 38'-7 1/8" by 1'-3", CUT 2 each length.
*7.	Incr. from 4'-0" to 33'-3 3/4" by 1'-2 5/8", CUT 2 each length.
*8.	Incr. from 4'-0" to 28'-5 1/4" by 1'-2 5/8", CUT 2 each length.
*9.	Incr. from 29'-9" to 57'-9" by 2'-0", CUT 2 each length.
*10.	Incr. from 1'-9 3/4" to 14'-9 3/4" by 1'-0", CUT 2 each length.
*11.	Incr. from 18'-0" to 35'-0" by 5'-8", CUT 2 each length.
*12.	Incr. from 15'-0" to 32'-3" by 5'-9", CUT 2 each length.
*13.	Incr. from 36'-0" to 60'-0" by 2'-8", CUT 2 each length.
*14.	Incr. from 1'-1 1/2" to 17'-9 1/2" by 5", CUT 1 each length.
*15.	Incr. from 4'-8" to 16'-9" by 2'-5", CUT 1 each length.



BENDING DIAGRAMS
DIMENSIONS ARE OUT TO OUT OF BARS

NOTE:
Str. = STRAIGHT BAR
F = SEE DIMENSIONS
Δ = BEND IN FIELD

SOUTH SENeca STREET

SUMMARY OF QUANTITIES, BAR LIST & BENDING DIAGRAMS

LEVEE BREACH STRUCTURE

PREPARED BY
SEDGWICK COUNTY BUREAU OF PUBLIC SERVICES
HIGHWAY DIVISION

DAVID C. SPEARS, P.E. DIRECTOR

REVISED	SCALE	DESIGNED	TRACED	CHECKED	SHEET NO.
	NONE	S.H.H.	R.E.F.	D.V.R.	47
	DATE	3/87	8/87	3/88	
	PLAINFILE	TOTAL SHEETS 92			