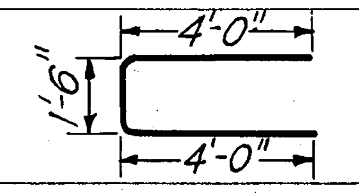
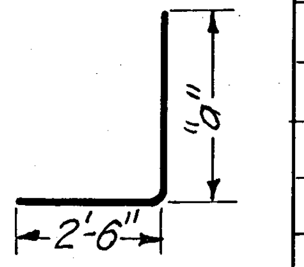
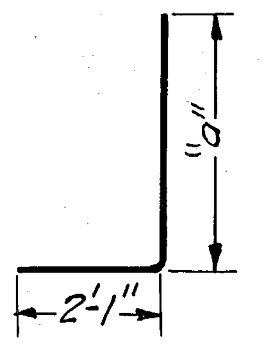
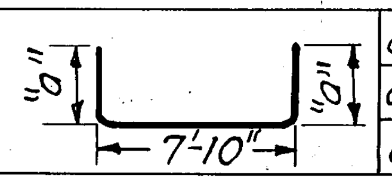
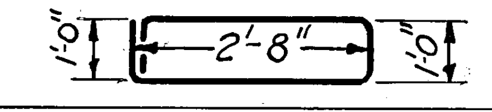
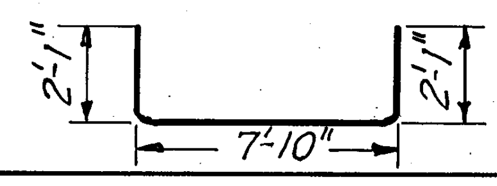
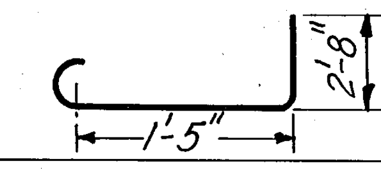
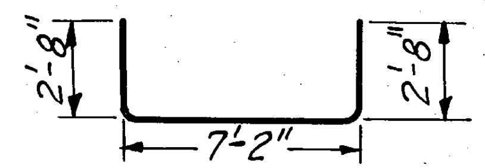
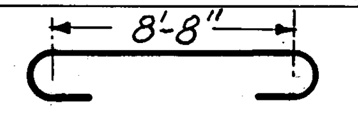
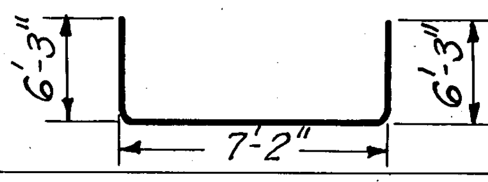
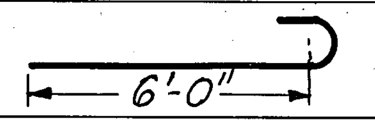
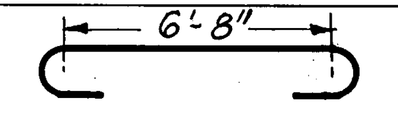
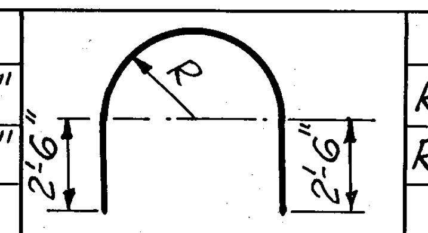
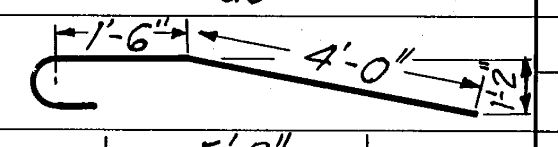
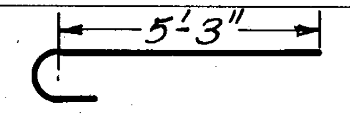
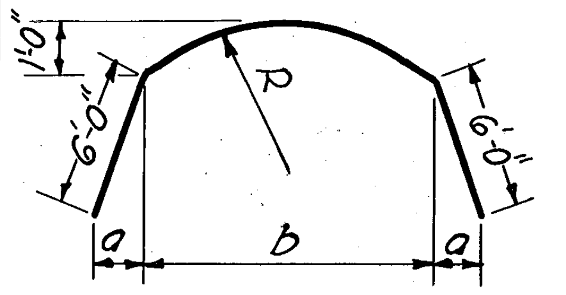
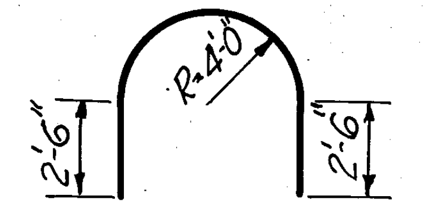
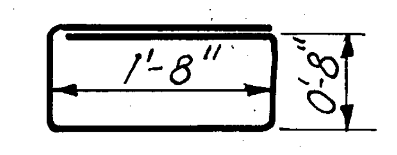
WAR DEPARTMENT

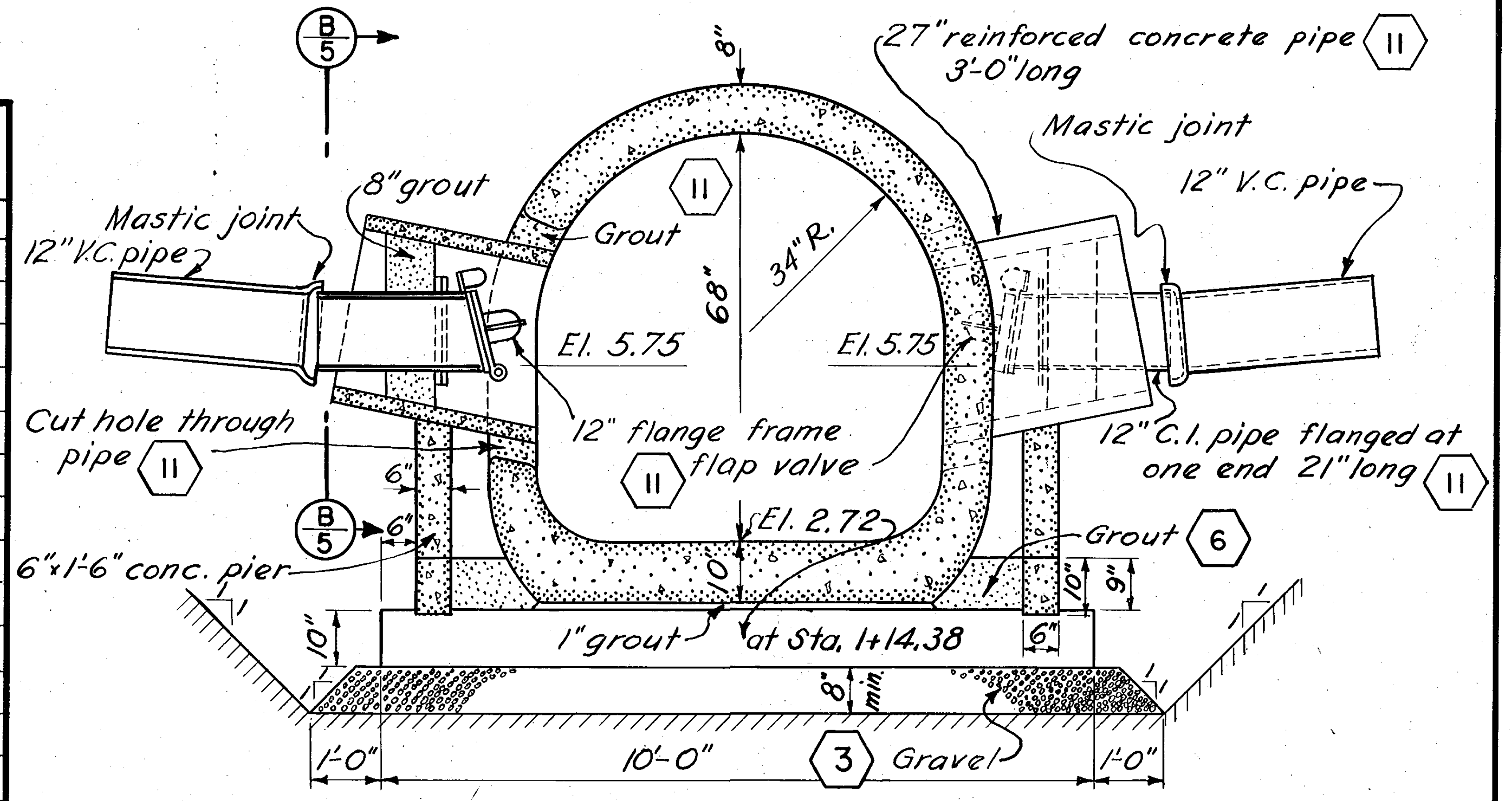
CORPS OF ENGINEERS, U. S. ARMY

REINFORCEMENT SCHEDULE

MARK	SIZE	LENGTH	BENDING DIAGRAM	NO. REQ'D	PER FT.	TOTAL WEIGHT	LOCATION
"H" bars in Headwall.							
H-1	5/8"ϕ	9'-10"	Straight	30	1,043	307,685	Base - transverse
H-2	3/4"ϕ	9'-10"	do	6	1,502	88,618	do
H-3	5/8"ϕ	9'-6"	 	10	1,043	99,085	Key - vertical
H-4	5/8"ϕ	14'-6"	Straight	20	1,043	302,470	Base - longitudinal
H-5	5/8"ϕ	10'-0"	do	4	1,043	41,720	Walls - vert. inside face
H-6	5/8"ϕ	9'-6"	do	2	1,043	19,817	do
H-7	5/8"ϕ	8'-9"	do	2	1,043	18,253	do
H-8	5/8"ϕ	8'-3"	do	2	1,043	17,210	do
H-9	5/8"ϕ	7'-9"	do	2	1,043	16,167	do
H-10	5/8"ϕ	7'-0"	do	2	1,043	14,602	do
H-11	5/8"ϕ	6'-6"	do	2	1,043	13,559	do
H-12	5/8"ϕ	6'-0"	do	2	1,043	12,516	do
H-13	5/8"ϕ	5'-6"	do	2	1,043	11,473	do
H-14	5/8"ϕ	4'-9"	do	2	1,043	9,909	do
H-15	5/8"ϕ	4'-3"	do	2	1,043	8,866	do
H-16	5/8"ϕ	3'-6"	do	2	1,043	7,301	do
H-17	5/8"ϕ	3'-0"	do	2	1,043	6,256	do
H-18	5/8"ϕ	2'-6"	do	2	1,043	5,215	do
H-19	3/4"ϕ	12'-6	 a = 10'-0"	4	1,502	75,100	Walls - vert. - out. face
H-20	3/4"ϕ	12'-0"	a = 9'-6"	2	1,502	36,048	do
H-21	3/4"ϕ	11'-3"	a = 8'-9"	2	1,502	33,795	do
H-22	3/4"ϕ	10'-9"	a = 8'-3"	2	1,502	32,293	do
H-23	3/4"ϕ	10'-3"	a = 7'-9"	2	1,502	30,791	do
H-24	3/4"ϕ	9'-6"	a = 7'-0"	2	1,502	28,538	do
H-25	5/8"ϕ	8'-7"	 a = 6'-6"	2	1,043	17,905	do
H-26	5/8"ϕ	8'-1	a = 6'-0"	2	1,043	16,862	do
H-27	5/8"ϕ	7'-7"	a = 5'-6"	2	1,043	15,819	do
H-28	5/8"ϕ	6'-10"	a = 4'-9"	2	1,043	14,255	do
H-29	5/8"ϕ	6'-4"	a = 4'-3"	2	1,043	13,212	do
H-30	5/8"ϕ	5'-7"	a = 3'-6	2	1,043	11,647	do
H-31	5/8"ϕ	5'-1"	a = 3'-0"	2	1,043	10,604	do
H-32	5/8"ϕ	4'-7"	a = 2'-6"	2	1,043	9.561	do
H-33	5/8"ϕ	14'-6"	Straight	4	1,043	60,494	Walls - horizontal
H-34	5/8"ϕ	12'-6"	do	4	1,043	52,150	do
H-35	5/8"ϕ	11'-0"	do	4	1,043	45,892	do
H-36	5/8"ϕ	9'-6"	do	4	1,043	39,634	do
H-37	5/8 ϕ	7'-9"	do	4	1,043	32,333	do
H-38	5/8"ϕ	5'-9"	do	2	1,043	11,995	do
H-39	5/8"ϕ	4'-3"	do	2	1,043	8,866	do
H-40	5/8"ϕ	3'-0"	do	2	1,043	6,258	do
H-41	5/8"ϕ	19'-4"	 a = 5'-9"	1	1,043	20,164	Walls and beam - horiz.
H-42	5/8"ϕ	16'-4"	a = 4'-3"	1	1,043	17,035	do
H-43	5/8"ϕ	13'-10"	a = 3'-0"	1	1,043	14,428	do
H-44	3/8"ϕ	8'-4"	 	8	,376	25,067	Beam - stirrips
H-45	5/8"ϕ	7'-10"	Straight	3	1,043	24,511	Beam
H-46	5/8"ϕ	12'-0"	 	4	1,043	50,064	do

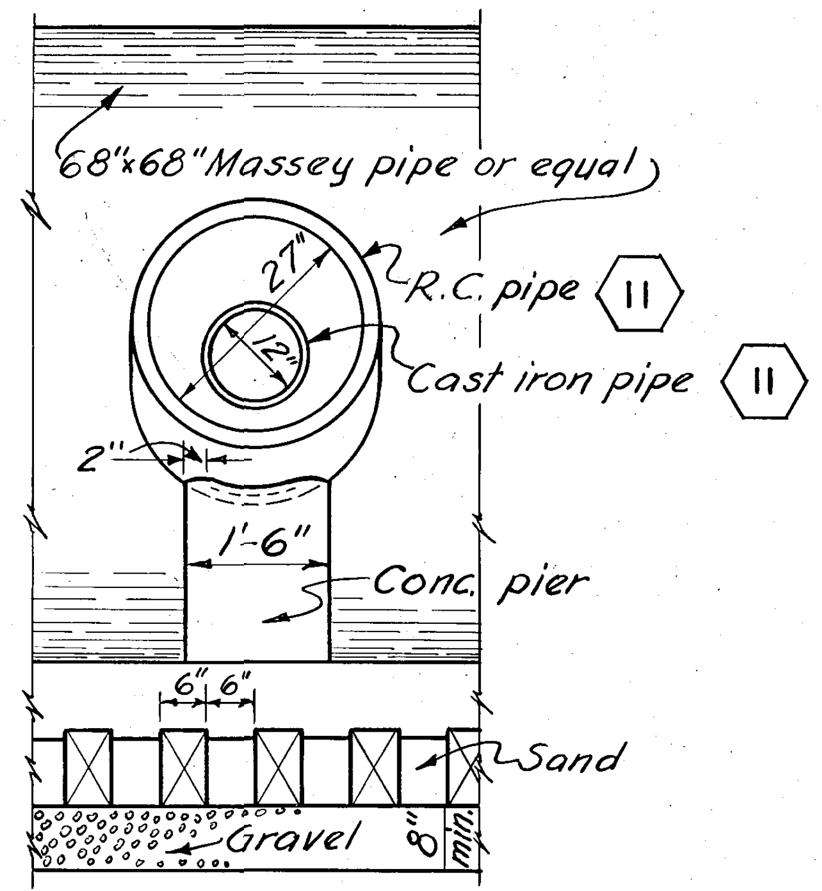
MARK	SIZE	LENGTH	BENDING DIAGRAM	NO. REQ'D	WT. PER FT.	TOTAL WEIGHT	LOCATION
"C" bars in box conduit section — Sta. 1+88 to 2+40							
C-1	1/2"ϕ	25'-6"	Straight	112	,668	1907,808	Longitudinals
C-2	1/2"ϕ	5'-1"	 	104	,668	353,150	Bottom corners
C-3	1/2"ϕ	12'-6"	 	52	,668	434,200	Base - bottom
C-4	1/2"ϕ	10'-8"	 	52	,668	370,518	Base - top
C-5	1/2"ϕ	19'-8"	 	52	,668	683,142	Walls and Roof
C-6	1/2"ϕ	7'-0"	 	104	,668	486,304	Walls
C-7	1/2"ϕ	8'-8"	 	52	,668	301,046	Roof
C-8	1/2"ϕ	3'-4"		20	,668	44,534	Ext. of slab into base
	1/2" □	3'-4"		36	,850	102,000	Ext. of culvert into ho. Sta. 2+14
"T" bars in Transition section.							
T-1	3/4"ϕ	15'-0"	 R = 3'-2"	3	1,502	67,590	Hoop steel - inside face
T-2	3/4"ϕ	14'-9"	R = 3'-1"	3	1,502	66,464	do
T-3	3/4"ϕ	5'-6"	Straight	12	1,502	99,132	Vertical
T-4	5/8"ϕ	11'-0"	do	3	1,043	34,419	Transverse
T-5	5/8"ϕ	9'-9	do	3	1,043	30,508	do
T-6	3/4"ϕ	10'-6"	do	3	1,502	47,313	do
T-7	3/4"ϕ	8'-6"	do	3	1,502	38,301	do
T-8	3/4"ϕ	6'-9"	 	6	1,502	60,831	Vertical - outside face
T-9	3/4"ϕ	6'-6"	 	6	1,502	58,578	do
T-10	5/8 ϕ	4'-0"	Straight	47	1,043	196,084	Longitudinals
T-10a	3/4"ϕ	4'-6"	 	12	1,502	81.108	Transverse on bottom (omitted)
T-11	3/4"ϕ	19'-4"	R=4'-3" a=1'-8" b=7'-0"	2	1,502	58,078	Hoop steel - outside face
T-12	3/4"ϕ	18'-10"	R=4'-2" a=1'-3" b=6'-6"	2	1,502	56,576	do
T-13	3/4"ϕ	17'-6"	 	2	1,502	52,570	do
T-14	1/2"ϕ	6'-4"	 	30	,668	126,920	Collar - stirrups
T-15	1/2"ϕ	16'-0"	Straight	16	,668	171,008	Collar - longitudinals
"G" bars in Backwater Gate Chamber.							
G-1	1/2"ϕ	17'-0"	Straight	32	,668	363392	Bottom slab - long.
G-2	1/2"ϕ	15-6"	do	36	,668	373,744	Bottom slab - trans.

TOTAL WEIGHT THIS SHEET = 8420.363 LBS.



DETAIL OF DRAIN CONNECTION TO MASSEEK ST. SEWER

SCALE: 1/2" = 1'-0"



SECTION B/5

SCALE: 1/2" = 1'-0"

	12/31/45	As built revisions			
KEY	DATE	REVISION (Indicated by Δ)	REV. BY	CK. BY	AP. BY

CONNECTICUT RIVER FLOOD CONTROL
HARTFORD DIKE
SUPPLEMENTAL AGREEMENT
RECONSTRUCTION OF MASSEEK STREET SEWER
STEEL REINFORCEMENT SCHEDULE
CONNECTICUT RIVER CONNECTICUT
IN 6 SHEETS SCALE: 1/2 IN. = 1 FT. SHEET NO. 5
1' 0 1' 2' 3' 4' 5'
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., OCT. 1941

SUBMITTED: J. C. Dingwall
SENIOR ENGINEER
HEAD, DESIGN SECTION

APPROVAL RECOMMENDED: Burns
PRINCIPAL ENGINEER
CHIEF, ENGINEERING DIV.

APPROVED: A. Bishop
LT. COL., CORPS OF ENGINEERS
DISTRICT ENGINEER

DESIGN SECTION: E. M. Viner
ENGINEER

DRAWN: J. H. L.
TRACED: P. J. G.
CHECKED:

FILE NO. CT-4-3121

Ht. 5 & 7bR

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