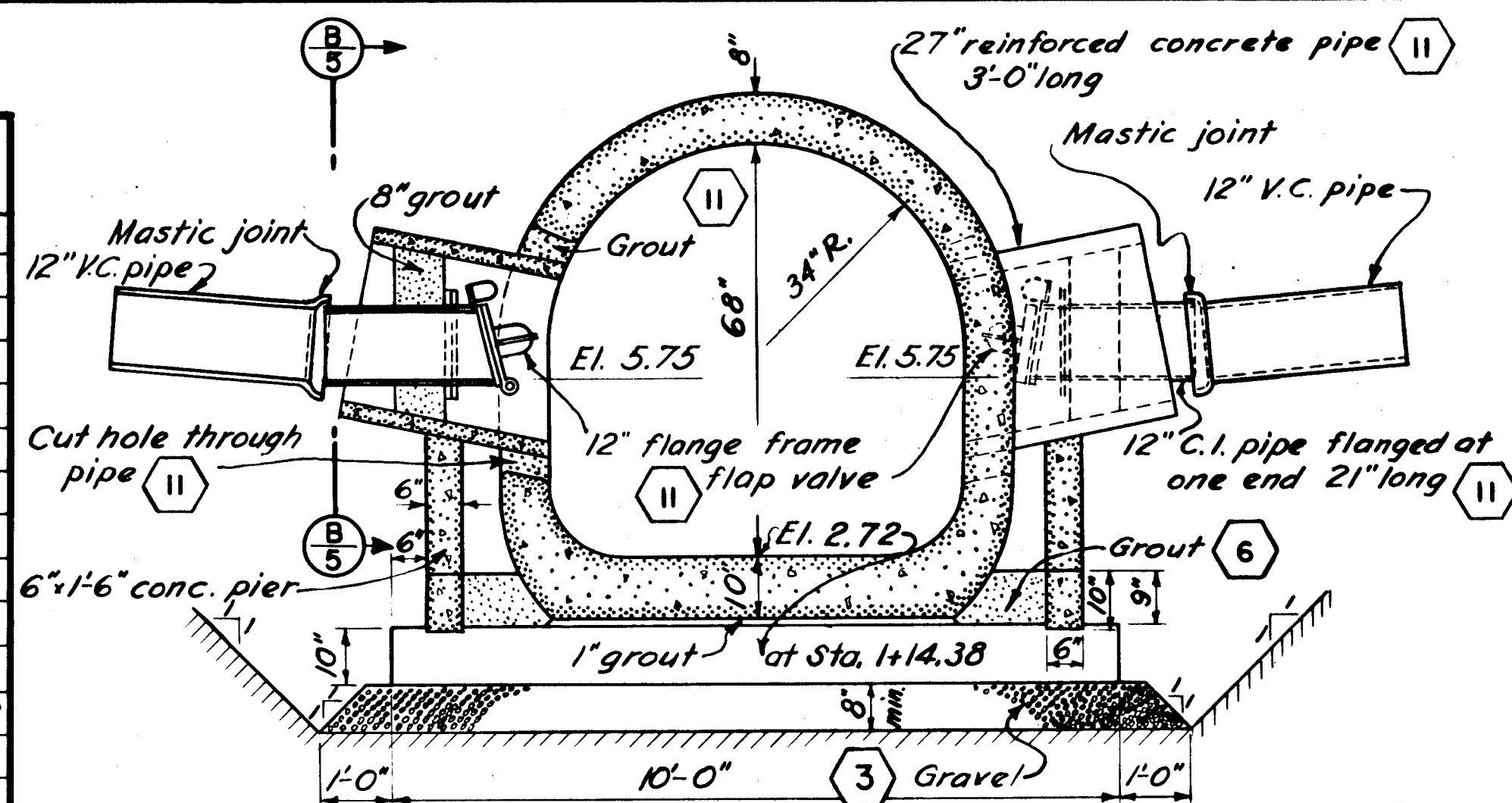
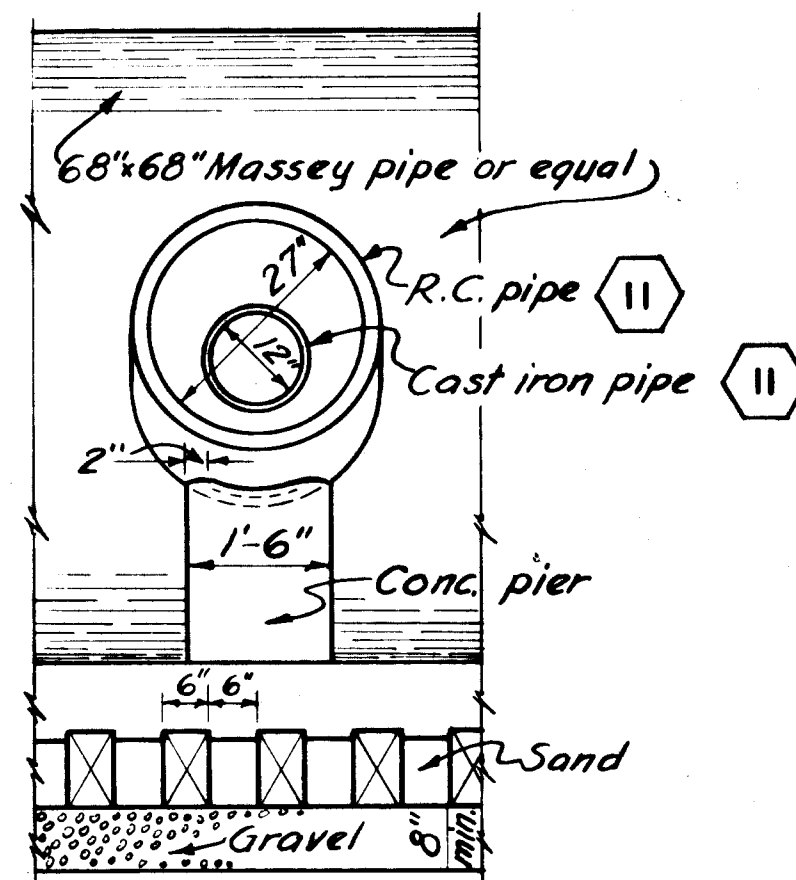


REINFORCEMENT SCHEDULE

MARK	SIZE	LENGTH	BENDING DIAGRAM	NO. REQ'D	PER FT.	TOTAL WEIGHT	LOCATION
"H" bars in Headwall.							
H-1	$\frac{3}{8}$ " ϕ	9'-10"	Straight	30	1,043	307,685	Base-transverse
H-2	$\frac{3}{8}$ " ϕ	9'-10"	do	6	1,502	88,618	do
H-3	$\frac{3}{8}$ " ϕ	9'-6"		10	1,043	99,085	Key-vertical
H-4	$\frac{3}{8}$ " ϕ	14'-6"	Straight	20	1,043	302,470	Base-longitudinal
H-5	$\frac{3}{8}$ " ϕ	10'-0"	do	4	1,043	41,720	Walls-vert. inside face
H-6	$\frac{3}{8}$ " ϕ	9'-6"	do	2	1,043	19,817	do
H-7	$\frac{3}{8}$ " ϕ	8'-9"	do	2	1,043	18,253	do
H-8	$\frac{3}{8}$ " ϕ	8'-3"	do	2	1,043	17,210	do
H-9	$\frac{3}{8}$ " ϕ	7'-9"	do	2	1,043	16,167	do
H-10	$\frac{3}{8}$ " ϕ	7'-0"	do	2	1,043	14,602	do
H-11	$\frac{3}{8}$ " ϕ	6'-6"	do	2	1,043	13,559	do
H-12	$\frac{3}{8}$ " ϕ	6'-0"	do	2	1,043	12,516	do
H-13	$\frac{3}{8}$ " ϕ	5'-6"	do	2	1,043	11,473	do
H-14	$\frac{3}{8}$ " ϕ	4'-9"	do	2	1,043	9,909	do
H-15	$\frac{3}{8}$ " ϕ	4'-3"	do	2	1,043	8,866	do
H-16	$\frac{3}{8}$ " ϕ	3'-6"	do	2	1,043	7,301	do
H-17	$\frac{3}{8}$ " ϕ	3'-0"	do	2	1,043	6,256	do
H-18	$\frac{3}{8}$ " ϕ	2'-6"	do	2	1,043	5,215	do
H-19	$\frac{3}{8}$ " ϕ	12'-6"		4	1,502	75,100	Walls-vert. out. face
H-20	$\frac{3}{8}$ " ϕ	12'-0"		2	1,502	36,048	do
H-21	$\frac{3}{8}$ " ϕ	11'-3"		2	1,502	33,795	do
H-22	$\frac{3}{8}$ " ϕ	10'-9"		2	1,502	32,293	do
H-23	$\frac{3}{8}$ " ϕ	10'-3"		2	1,502	30,791	do
H-24	$\frac{3}{8}$ " ϕ	9'-6"		2	1,502	28,538	do
H-25	$\frac{3}{8}$ " ϕ	8'-7"		2	1,043	17,905	do
H-26	$\frac{3}{8}$ " ϕ	8'-1"		2	1,043	16,862	do
H-27	$\frac{3}{8}$ " ϕ	7'-7"		2	1,043	15,819	do
H-28	$\frac{3}{8}$ " ϕ	6'-10"		2	1,043	14,255	do
H-29	$\frac{3}{8}$ " ϕ	6'-4"		2	1,043	13,212	do
H-30	$\frac{3}{8}$ " ϕ	5'-7"		2	1,043	11,647	do
H-31	$\frac{3}{8}$ " ϕ	5'-1"		2	1,043	10,604	do
H-32	$\frac{3}{8}$ " ϕ	4'-7"		2	1,043	9,561	do
H-33	$\frac{3}{8}$ " ϕ	14'-6"	Straight	4	1,043	60,494	Walls-horizontal
H-34	$\frac{3}{8}$ " ϕ	12'-6"	do	4	1,043	52,150	do
H-35	$\frac{3}{8}$ " ϕ	11'-0"	do	4	1,043	45,892	do
H-36	$\frac{3}{8}$ " ϕ	9'-6"	do	4	1,043	39,634	do
H-37	$\frac{3}{8}$ " ϕ	7'-9"	do	4	1,043	32,333	do
H-38	$\frac{3}{8}$ " ϕ	5'-9"	do	2	1,043	11,995	do
H-39	$\frac{3}{8}$ " ϕ	4'-3"	do	2	1,043	8,866	do
H-40	$\frac{3}{8}$ " ϕ	3'-0"	do	2	1,043	6,258	do
H-41	$\frac{3}{8}$ " ϕ	19'-4"		1	1,043	20,164	Walls and beam-horiz.
H-42	$\frac{3}{8}$ " ϕ	16'-4"		1	1,043	17,035	do
H-43	$\frac{3}{8}$ " ϕ	13'-10"		1	1,043	14,428	do
H-44	$\frac{3}{8}$ " ϕ	8'-4"		8	.376	25,067	Beam-stirrups
H-45	$\frac{3}{8}$ " ϕ	7'-10"	Straight	3	1,043	24,511	Beam
H-46	$\frac{3}{8}$ " 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	$\frac{1}{2}$ " ϕ	25'-6"	Straight	112	.668	1907,808	Longitudinals
C-2	$\frac{1}{2}$ " ϕ	5'-1"		104	.668	353,150	Bottom corners
C-3	$\frac{1}{2}$ " ϕ	12'-6"		52	.668	434,200	Base-bottom
C-4	$\frac{1}{2}$ " ϕ	10'-8"		52	.668	370,518	Base-top
C-5	$\frac{1}{2}$ " ϕ	19'-8"		52	.668	683,142	Walls and Roof
C-6	$\frac{1}{2}$ " ϕ	7'-0"		104	.668	486,304	Walls
C-7	$\frac{1}{2}$ " ϕ	8'-8"		52	.668	301,046	Roof
C-8	$\frac{1}{2}$ " ϕ	3'-4"		20	.668	44,534	Ext. of slab into base
	$\frac{1}{2}$ " ϕ	3'-4"		36	.850	102,000	Ext. of culvert into ha. Sta. 2+14
"T" bars in Transition section.							
T-1	$\frac{3}{4}$ " ϕ	15'-0"		3	1,502	67,590	hoop steel-inside face
T-2	$\frac{3}{4}$ " ϕ	14'-9"		3	1,502	66,464	do
T-3	$\frac{3}{4}$ " ϕ	5'-6"	Straight	12	1,502	99,132	Vertical
T-4	$\frac{3}{4}$ " ϕ	11'-0"	do	3	1,043	34,419	Transverse
T-5	$\frac{3}{4}$ " ϕ	9'-9"	do	3	1,043	30,508	do
T-6	$\frac{3}{4}$ " ϕ	10'-6"	do	3	1,502	47,313	do
T-7	$\frac{3}{4}$ " ϕ	8'-6"	do	3	1,502	38,301	do
T-8	$\frac{3}{4}$ " ϕ	6'-9"		6	1,502	60,831	Vertical-outside face
T-9	$\frac{3}{4}$ " ϕ	6'-6"		6	1,502	58,578	do
T-10	$\frac{3}{4}$ " ϕ	4'-0"	Straight	47	1,043	196,084	Longitudinals
T-10a	$\frac{3}{4}$ " ϕ	4'-6"		12	1,502	81,108	Transverse on bottom (omitted)
T-11	$\frac{3}{4}$ " ϕ	19'-4"		2	1,502	58,078	hoop steel-outside face
T-12	$\frac{3}{4}$ " ϕ	18'-10"		2	1,502	56,576	do
T-13	$\frac{3}{4}$ " ϕ	17'-6"		2	1,502	52,570	do
T-14	$\frac{1}{2}$ " ϕ	6'-4"		30	.668	126,920	Collar-stirrups
T-15	$\frac{1}{2}$ " ϕ	16'-0"	Straight	16	.668	171,008	Collar-longitudinals
"G" bars in Backwater Gate Chamber.							
G-1	$\frac{1}{2}$ " ϕ	17'-0"	Straight	32	.668	363,392	Bottom slab-long.
G-2	$\frac{1}{2}$ " ϕ	15'-6"	do	36	.668	373,744	Bottom slab-trans.

TOTAL WEIGHT THIS SHEET = 8420.363 LBS.

DETAIL OF DRAIN CONNECTION TO
MASSEK ST. SEWERSCALE: $\frac{1}{2}$ " = 1'-0"

SECTION B

SCALE: $\frac{1}{2}$ " = 1'-0"CONNECTICUT RIVER FLOOD CONTROL
HARTFORD DIKE
SUPPLEMENTAL AGREEMENT

RECONSTRUCTION OF MASSEK STREET SEWER

STEEL REINFORCEMENT SCHEDULE

CONNECTICUT RIVER CONNECTICUT

IN 6 SHEETS SCALE: 1/2" = 1' FT. SHEET NO. 5

U.S. ENGINEER OFFICE, PROVIDENCE, R.I., OCT. 1941

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

APPROVAL RECOMMENDED: J. C. Dingwall, SENIOR ENGINEER, HEAD, DESIGN SECTION

DESIGN SECTION: E. M. Vane, ENGINEER

DRAWN: J. H. L., TRACED: P. J. G., CHECKED: J. C. Dingwall

FILE NO. CT-4-3121

H1.5 876R

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