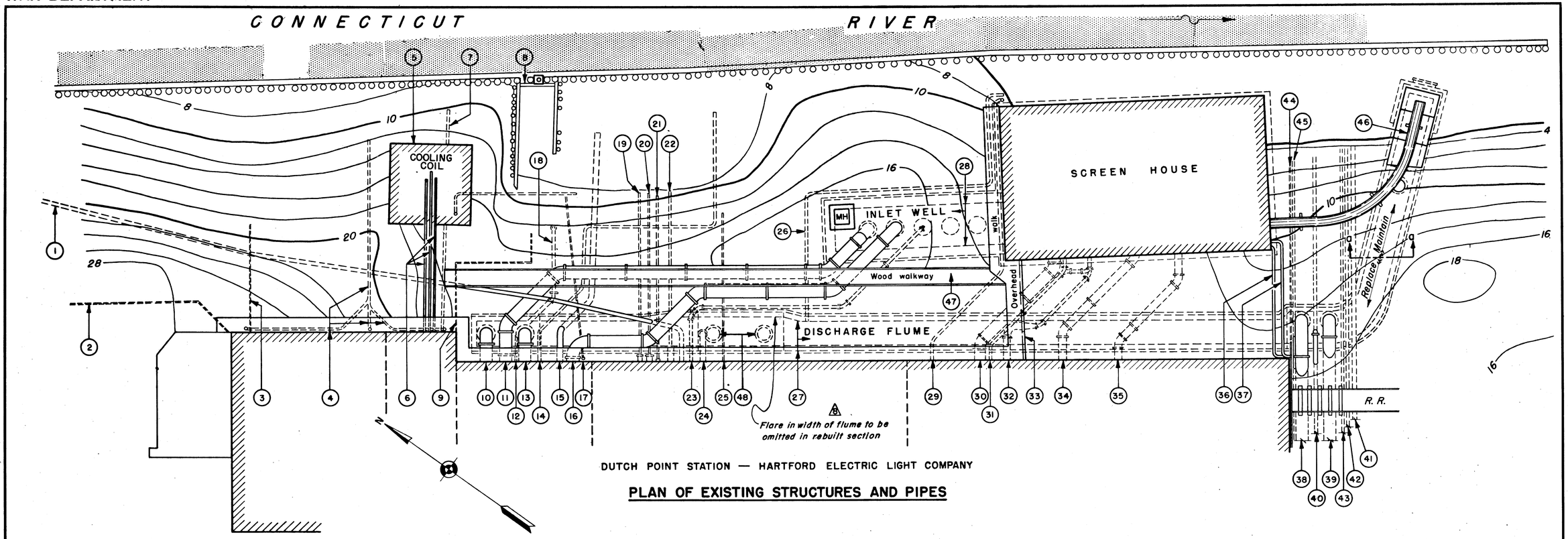
WAR DEPARTMENT — CORPS OF ENGINEERS, U. S. ARMY



DUTCH POINT STATION — HARTFORD ELECTRIC LIGHT COMPANY

PLAN OF EXISTING STRUCTURES AND PIPES

INDEX NO.	TO BE REMOVED AS REQUIRED FOR CONSTRUCTION BY: CONTRACTOR	TO BE REMOVED AS REQUIRED FOR CONSTRUCTION BY: OTHERS	TO BE REPLACED OR RELOCATED AS NECESSARY BY: CONTRACTOR	TO BE REPLACED OR RELOCATED AS NECESSARY BY: OTHERS	REMARKS
1.		X		X	10" water line to Hartford Gas Co.
2.	X				1½" telephone conduit to pipe shop— to be abandoned.
3.		X		X	¾" drip from heating coil in 11 Kv. bus room.
4.	X		X		6" sanitary sewer— carrying drainage from
4.	X			X	6" roof and floor drains. Sanitary sewer to go thru wall stem and be equipped with flap valve.
					Drains to go to future sump.
5.		X			Oil cooling coil— to be removed and abandoned.
6.		X			2- 6" oil lines and 1- 4" oil line, to cooling coil— to be abandoned.
7.	X			X	10" drain from Engine Room No. 1— to future sump.
8.	See Remarks				1904 intake well— to be filled in by contractor.
9.	X			X	1½" oil cooler discharge— to be relocated over top of wall.
10.	X		X		30" discharge— No. 1 Condenser— to be connected to new discharge flume.
11.	X		X		30" suction— No. 1 Condenser— to be relocated to pass thru wall normal to wall stem.
12.	X			X	3" discharge from steam syphon in Engine Room Sump No. 1— to go to future sump.
13.	X		X		30" discharge— No. 2 Condenser— to be connected to new discharge flume.
14.	X			X	6" gland water bleeder discharge— to be relocated over top of wall.
15.	X		X		14" discharge from wet vacuum pumps— Turbines No. 1 and 2— to be relocated, with existing valves, thru wall stem in a straight run from plant to piling bulkhead.
16.	X		X		30" suction— No. 2 Condenser— to be relocated to pass thru wall normal to wall stem.
17.	X				3" gland water to oil cooling coil— to be abandoned.
18.	X				8" steam jet ejector discharge— to be abandoned.
19.	X				4" oil line— to be abandoned.
20.	X				1½" water line— to be abandoned.
21.	X				4" oil line— to be abandoned.
22.	X			X	4" steam jet ejector discharge— to go to future sump.
23.	X		X		8" suction— Hartford Gas Co. pump— to be relocated to pass thru wall normal to wall stem.
24.	X				14" discharge— No. 4 Condenser— to be abandoned.
25.	X				2½ oil drain— to be abandoned.
26.	X		X		6" discharge flume drain— to be maintained, with existing valve, and connected with new discharge flume.
27.	X		X		Concrete discharge flume— to be replaced by new discharge flume to Line a-a.
28.	See Remarks				Not to be disturbed except for manhole which is to be raised to top of new fill.
29.	X			X	10" gland water tank overflow and roof drains— to go to future sump.
30.	X		X		28" suction— No. 5 Condenser— to be embedded in wall base in present approximate position. (B)
31.	X		X		8" suction— Gland Water Pumps— to be embedded in wall base in present position
31.	X		X	(B)	8" suction— Fire Pump (below above pipe)— to be embedded in wall base in present position.
32.	X		X	(B)	8" discharge— No. 5 Turbine— wet vacuum pump. To be embedded in wall base in present position. and provided with check and gate valves.
33.	X		X		Overhead walkway, also walkway along plant at El. 37.50. To be replaced in present positions.
33.		X		X	2- 1" electric conduits on overhead walkway to be relocated over top of wall.
33.	X			X	2"- 230 V. underground electric conduit to be relocated over top of wall.
34.	X		X		18" suction— No. 6 Condenser— to be embedded in wall base in present position.
35.	X		X	(B)	18" suction— No. 7 Condenser— to be embedded in wall base in present position.
36.		X		X	2- 1¼ refrigerated water lines 1- 1¼ gland water line 1- ¾ drip return All to be relocated over top of wall.
37.		X		X	2" steam line— to be relocated over top of wall.
38.	X		X		28" discharge— No. 5 Condenser— to be connected to new discharge flume.
39.	X		X		30" discharge— No. 6 and 7 Condensers— to be connected to new discharge flume.
40.	X		X		8" discharge— Engine Room Sump Pump No. 2— to be maintained thru wall stem with new flap valve.
41.	X			X	10" gravity drain from Engine Room Sump No. 2— to go to future sump.
42.	X		X		8" discharge— Boiler Room Sump Pump No. 3— to be maintained thru wall stem and provided with flap and gate valves.
43.	X			X	6" roof and overflow drain— to go to future sump.
44.	X			X	3" discharge— Steam Syphon— Engine Room Sump No. 2— to go to future sump.
44.	X				4" discharge— Engine Room toilet— to be abandoned.
45.	X		X		4" discharge— Boiler Room toilet— to go thru wall stem and be equipped with flap and gate valves.
45.	X			X	2½ discharge— Steam Syphon— Boiler Room Sump No. 3— to go to future sump.
46.	See Remarks				24" overhead refuse discharge from screens. Not to be disturbed.
47.	X				Wood walkway - to be abandoned.
48.	X			(B)	Connections for 30" discharges to be abandoned.

(18) See sheets 42B and 43A for revisions made in above Plan and Index by Change Order No.23

NOTES

Elevations refer to Mean Sea Level Datum.
Index No. 27 - Concrete flume, see Sheet No. 44.
Index No. 33 - Access structure to Screen House, see Sheet No. 48.
Index Nos. 4, 26, 32, 40, 42, 45 - See details on Sheet No. 50.
For general arrangement of relocated pipes see Sheet No. 43.

KEY	DATE	REVISION (Indicated by △)	REV.BY	CK.BY	AP.BY
	12-31-45	As Built			
(18) △	5-6-43	Revisions by C.O.23 not shown	E.D.C.		
(B) △	6-5-41	Revision in Wall B Flume design	E.D.C.		

CONNECTICUT RIVER FLOOD CONTROL

HARTFORD DIKE

RIVERFRONT, MORGAN ST. TO STA. 96+73

KEY PLAN OF EXISTING STRUCTURES
DUTCH POINT STATION

CONNECTICUT RIVER — CONNECTICUT

IN 137 SHEETS — SCALE: 1 IN. = 10 FT. — SHEET NO. 42

U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAY 1940

SUBMITTED: SENIOR ENGINEER, HEAD, DESIGN SECTION
APPROVAL RECOMMENDED: PRINCIPAL ENGINEER, CHIEF, F.C. ENGINEERING DIV.
APPROVED: LT.COL., CORPS OF ENGINEERS, DISTRICT ENGINEER
DESIGNED: ASSOC. ENGINEER
DRAWN: M. B. MC.
TRACED: K. H. W.
CHECKED:
FISCAL YEAR 1940
FILE NO. CT-4-2502

Ht. 5&7b