



PLAN OF EXISTING STRUCTURES AND PIPES

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

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.

12-31-45	As Built				
5-6-43	Revisions by C.O. 23 not shown	EDC			
6-5-41	Revision in Wall & Flume design	EDC			
KEY	DATE	REVISION (Indicated by Δ)	REVBY	CKBY	APBY
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			SHEET NO. 42		
SCALE: 1 IN. = 10 FT.					
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAY 1940					
SUBMITTED:		APPROVAL RECOMMENDED:		APPROVED:	
HEAD DESIGN SECTION		PRINCIPAL ENGINEER		LT. COL. CORPS OF ENGINEERS	
DESIGNED:		DRAWN:		FISCAL YEAR 1940	
ASSOC. ENGINEER		CHECKED:		FILE NO. CT-4-2502	