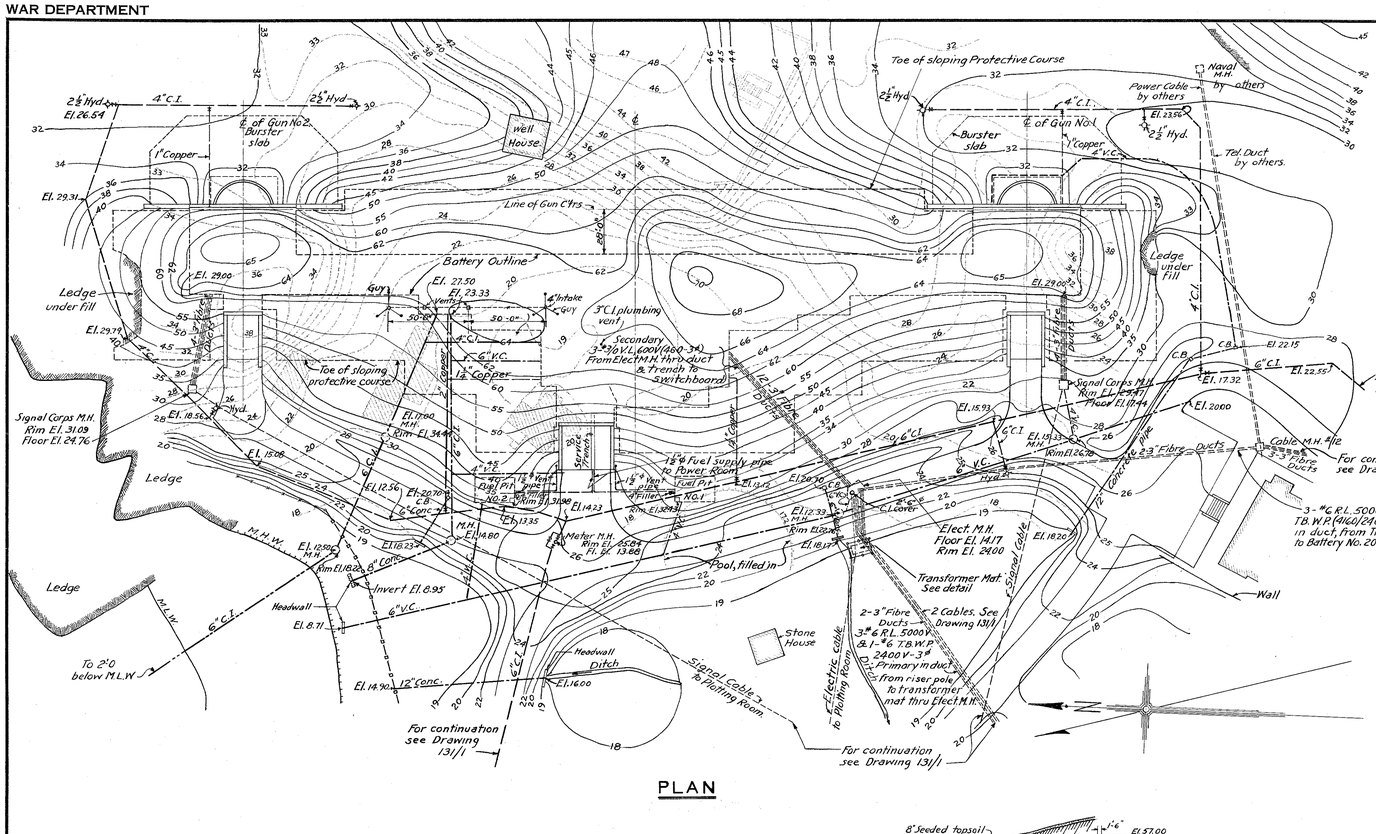
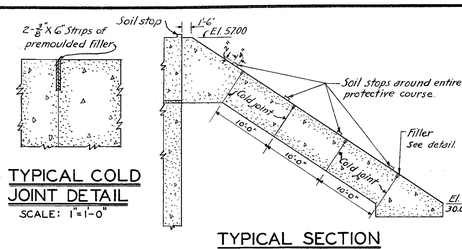


PLAN



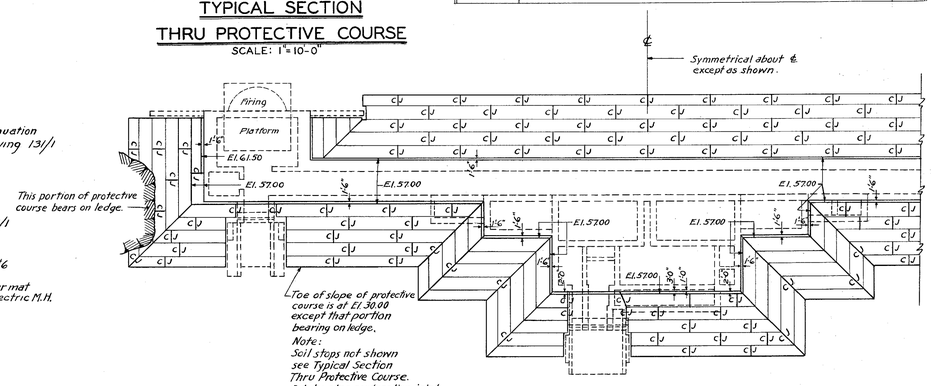
TYPICAL COLD JOINT DETAIL

SCALE: 1" = 1'-0"

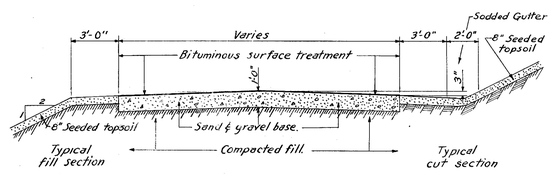
TYPICAL SECTION THRU PROTECTIVE COURSE

SCALE: 1" = 10'-0"

DRAWING NO.	TITLE	SHEET NO.
104/1	General Plan, Utility Layout and Index.	1
104/2	Masonry Plans and Sections/ Gasproofing and Dehumidifying Systems/ Water, Drainage, Plumbing and Track Layouts.	2
104/3	Masonry Plan; Sections/ and Equipment Arrangement.	3
104/4	Masonry Sections.	4
104/5	Masonry Sections and Miscellaneous Details.	5
104/6	Electrical and Conduit Layouts.	6
104/7	Firing Platform - Masonry.	7
131/1	General Plan of U.S. Military/Reservation	1

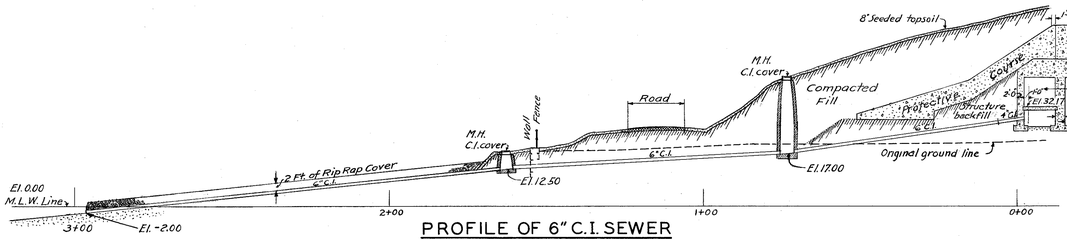


PLAN OF SLOPING PROTECTIVE SLOPE



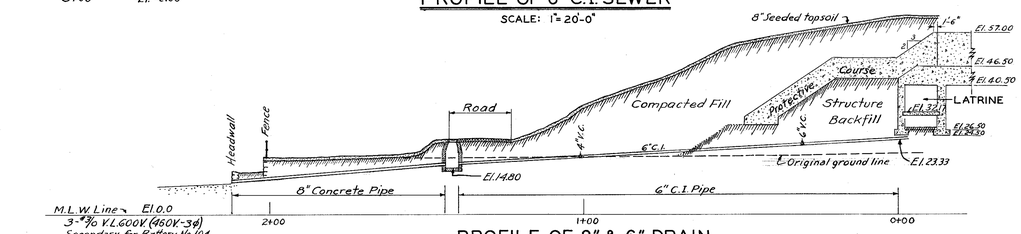
TYPICAL ROAD SECTION

SCALE: $\frac{1}{4}$" = 1'-0"



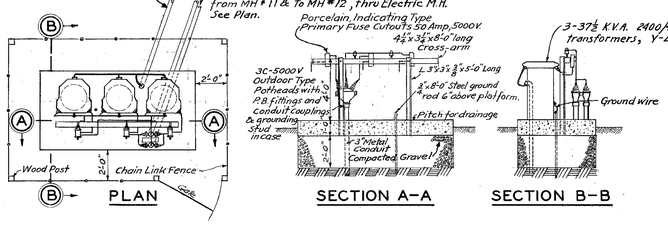
PROFILE OF 6" C.I. SEWER

SCALE: 1" = 20'-0"



PROFILE OF 8" & 6" DRAIN

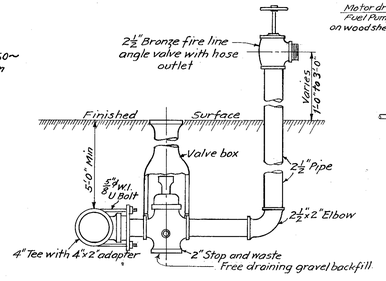
SCALE: 1" = 20'-0"



PLAN — SECTION A-A — SECTION B-B

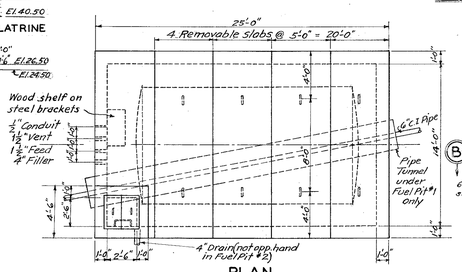
TRANSFORMER MAT DETAIL

SCALE: $\frac{1}{4}$" = 1'-0"

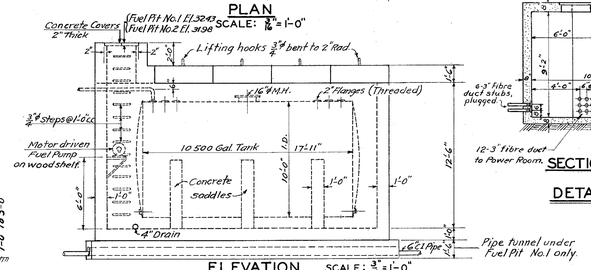


DETAIL OF HYDRANTS IN FRONT OF GUNS

NOT TO SCALE



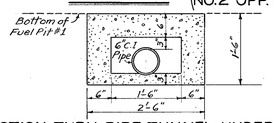
PLAN SCALE: $\frac{3}{16}$" = 1'-0"



ELEVATION SCALE: $\frac{3}{16}$" = 1'-0"

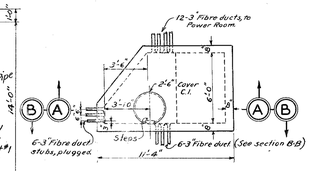
FUEL PITS

NO. 1 AS SHOWN
NO. 2 OPP. HAND

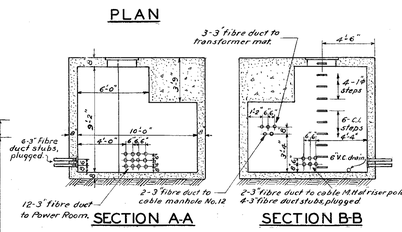


SECTION THRU PIPE TUNNEL UNDER FUEL PIT NO. 1.

SCALE: $\frac{3}{8}$" = 1'-0"



PLAN



SECTION A-A — SECTION B-B

DETAIL OF ELECTRICAL MANHOLE

SCALE $\frac{3}{16}$" = 1'-0"

LEGEND

26 — Surface Contour prior to Const.	Water Line
45 — Finished Contour	Gate Valve
Chain Link Fence	Hydrant
Iron Picket Fence	Drainage Line (Closed Joints)
Barbed Wire Fence	C.B. Catch Basin
	Sewer Line
Buildings removed	Filler, Vent & Supply Lines (Oil)
Buildings retained	Fibre Ducts & Cables (Underground)
M.H. Manhole	

Notes

For General Notes see Sheet 2

Elevations shown of water, sewer and drain lines, sewer manholes, catch basins and fibre ducts refer to invert unless otherwise noted.

For continuation of water, sewer and drain lines into structure see Sheet 2

Trees, shrubs and vines planted for concealment on top of, on side slopes of and around the battery are not shown.

Finished contours are from topographic survey made by R.J. Tivomblyl, S.P-6, U.S. Engineer Office, Boston, Mass. dated December, 1943.

Surface contours, prior to construction are from topographic survey made by Nathan N. Drucker, S.P-3 and Joseph Archambault Jr. S.P-3, U.S. Engineer Office, Boston, Mass., dated Dec. 1940 to Feb. 1941 and March 1942.

For continuation of ducts and cables into Power Room see Sheet 6

CONFIDENTIAL RECORD DRAWING

CLASSIFICATION CHANGED BY AUTHORITY OF

NO.	CHARACTER	DATE	BY

REVISIONS

HARBOR DEFENSES OF BOSTON

BATTERY JOHN B. MURPHY (NO. 104)

GENERAL PLAN, UTILITY LAYOUT AND INDEX

IN 7 SHEETS — SHEET NO. 1 — SCALE: 1" = 40 FT.

U. S. ENGINEER OFFICE, BOSTON, MASS. 9 SEPTEMBER, 1944

APPROVAL RECOMMENDED: John E. Allen, CHIEF ENGINEERING DIVISION

APPROVED: LT. COLONEL, CORPS OF ENGINEERS, DISTRICT ENGINEER

SUBMITTED: CHIEF DESIGN SECTION, GR. ENGINEER

Peter G. Murphy, ENGINEER

DES. BY R.J.B. DR. BY GRENGNAN TR. BY GRENGNAN CH. BY R.J.B.

FILE NO. 104/1

BOSTON BLUE PRINT CO.