

Sluice Gate Control Panel
with 4 stations each with Open-
Close-Stop push buttons, Red & Green
indicating lights and identification nameplates

Transformer Pad

200 Amp. Automatic
Transfer Switch

Panel "P"

(Connected Load 41.7 KW.
Demand Load 20 KW.)
PANEL "P"
3 ϕ , 4 W, 200A Mains

FIXTURE SCHEDULE			
Type	Manufacturer and Catalog No. or equal	Lamps	Remarks
A	Lithonia 8TPV240P	4-F-40 CW	Mount on 12" stems *
B	Crouse Hinds VDA236P	1-300W-1F	Box mtd. on ceiling
C	Holophane C-2460	1-150W-1F	Box mtd. on ceiling
E	Stanco #P63701	1-100W-1F	Wall mtd. up 7'-6" as noted
F	Stanco #P61883	1-150W-1F	Surface mounted
G	Stanco 533-175MM, 535	1-175W EBT 2B Mercury	Wall mounted above door
H	Crouse Hinds VDA236GRD	1-300W-1F	Mnt. on 24" stems
I	Porcelain lamp holder	1-100W-1F	Wall mnt. 6'-6" up

*Pope Park Pumping Station to have Type A fixtures ceiling mounted. Armory to have stem mounted fixture to clear crane.

Gate Valve Operator Control Panel
with 6 control stations each with
Open-Close push buttons, Red &
Green indicating lights and
identification name plates

Wall Fan #1

Tank manhole

Underground fuel
oil tank (Existing)

Wall Fan #2

Access opening
with cover

Sluice Gate #1

Existing
Motor operated
floorstands with
existing Reliance
motors 16.6/8.5A,
220/440V 60 Hz, 3 ϕ
1730 RPM Code L.
Replace exist. push
buttons, lights and
lenses on controllers
that have been broken.

Sluice Gate #2

Access opening with cover

Heat failure alarm

Telephone cabinet
(30" H x 24" W x 6" Dp.)

1/2" Empty conduit with
bushing for telephone
service 2'-6" below grade

Duplex Air Compressor

H.E.L.C.O.
Transformer

120/208V 3 ϕ , 4W

Coordinate with Hartford
Electric Light Co.

Voltmeter switch

30 KW

100A

200A

Fuses

Incoming line

Voltmeter

ONE LINE DIAGRAM
NOT TO SCALE

VALUE
ENGINEERING
PAYS
DIVIDENDS

As Built Drawing

Contract No. DACW 33-76-C-0098

LEGEND	
SYMBOL	DESCRIPTION
○	Fluorescent Fixture
○	Ceiling Outlet
○	Wall Bracket
○	Weatherproof conv. outlet H&H #5262 WP, up 4'-0"
S	Single pole Switch H&H #2991 & #2881, up 4'-0"
S ₃	Three way Switch H&H #2993 & #2883, up 4'-0"
S _M	Motor Switch up 5'-0"
M	Motor, IP as noted
M _{EX}	Motor, Explosion proof, see note #1
□	Disconnect, up 5'-0"
□ _{WP}	Disconnect, weatherproof up 5'-0"
S _{MWP}	Manual Motor starter, weatherproof up 5'-0"
S _{MWP}	Manual Motor starter, w/pilot Lt. up 5'-0"
S _{MHOA}	Manual Motor Starter w/H-O-A Selector Switch
H	Unit Heater
T	Thermostat, up 5'-0"
T _{WP}	Thermostat, weatherproof up 5'-0"
M _{WP}	Magnetic Motor Starter, weatherproof
M _{WP}	Magnetic Motor Starter, weatherproof
EL	Emergency Lighting Unit
JB	Junction Box
TO	Telephone outlet
AL	Alternator

NOTE
1. Furnished and installed by others, - Wired by this Electrical Contractor.

ENGINE ROOM PLAN

SCALE: 1/4" = 1'-0"

8 Ft fence including 7 ft fabric No. 2 gauge 2" mesh galvanized and 3 strands of 4 point barbed wire on outward leaning brackets. No. 6 coil spring wire top and bottom

6" of 3/4" trap rock throughout enclosure area

Provide latch and lock hasp on gate

PLAN
TRANSFORMER PAD
N.T.S.

NOTE:
1. Coordinate size of pad and location of openings with The Hartford Electric Light Co.
2. All metal shall be hot dipped galvanized.

Note
Pad replaced by Under-
ground Box by Hartford
Electric Light Co.

SAFETY
PAYS

GRAPHIC SCALES

4-4-83		Final field corrections	
REVISION	DATE	DESCRIPTION	BY
1	20 June 84	Ground Fault Protection Added	JF
DEPARTMENT OF THE ARMY NEW ENGLAND DIVISION CORPS OF ENGINEERS WALTHAM, MASS.			
WATER RESOURCES DEVELOPMENT PROJECT PARK RIVER LOCAL PROTECTION ARMORY PUMPING STATION ELECTRICAL - PLANS NO. 1			
DES. BY L F	DR. BY J D	CHK. BY J S	DATE MARCH 1976
APPROVED HARTFORD		CONNECTICUT	
CHIEF PROJECT BRANCH		CHIEF ENGINEERING DIVISION	
SCALE AS SHOWN SPEC. NO. DACW33-76-C-0040			
DRAWING NUMBER PAR-1			
SHEET 110			