INTAKE STRUCTURE
S & L JOB 3688
DWGS. E-1 THRU E-10

MANHOLE No. 2
BY OTHERS 8'x8'

MANHOLE No. 1
BY OTHERS 8'x8'

SEE REF. DWGS.
S. & L. E-1 & E-2

FOR CONTINUATION
SEE DWG 6118-E-110

NORTH SERVICE BUILDING
SEE PKR DWGS.
JOB 8560

MAINT. SHOP

TECHNICAL SUPPORT CENTER

TURBINE BUILDING

AUXILIARY BUILDING

SERVICE BUILDING

GATEHOUSE

FOR DETAILS SEE HJA DRAWINGS 7767E-2 & 82121 E-1

EXISTING UNDERGROUND DUCTS

XL-26

GATE MOTOR OPERATOR

MANHOLE

FIBER OPTIC PHONE CABLE - DIRECT BURIED

2-3" PVC

1 1/2" COND.

GAITRONICS TELEPHONE

ELECT

ABANDONED 161 KV LINE

NOTE 4

ELECT GA1 (GA323)

(FROM 1-A52-53)

UNIT AUX. TRANSF. 1-X02

TEL.

1A07

X704

SEE HJA DRAWING 82121 E-1

1-X01C 1-X01B 1-X01A

MAIN POWER TRANSF. UNIT 1
SEE DWG. 6118-E-148 SH.1 & 2.

XL-701
OUTSIDE LIGHTING
OLD EIC TRANSFORMER

(INTERLOCKING AND SWITCH)

A025

FOR DETAILS SEE DWG PB 31E 075 004 002 (NOTE 4)

SEE DETAIL SECTION "C-C", DRAWING M-55 SHEET 1

1-4"CONDUIT. TERMINATE 6 FT BEYOND PERIMETER FENCE. ABANDONED

P708-1

FOR ELECTRICAL LAYOUT IN THIS AREA SEE DWG. E-152

MANHOLE No. 21

FOR CONSTRUCTION DETAILS OF MANHOLE AND DUCTS SEE MOD. REQUEST 85-048 D.P. "O"

APPROX. 100'

APPROX. 80'

7'-0" COL LINE 1

END OF DUCT

WISCONSIN PUBLIC SERVICE TRANSFORMER

8-4/0 CABLES SPARED AT END OF CONCRETE DUCT

METER STATION

SWITCH FUSE A08

MANHOLE 13

4-4"(DIA)

1-4"(DIA) STUB

1-4"(DIA) CONDUIT

10'

55'

55'

NEW WORK

EXISTING UNDERGROUND DUCTS

FD321(1°C)

FS3769

WAREHOUSE No. 3
60'x140'

5860
SEE DWG. PBE-46

JB757

18'-6"

FOR CONT SEE E-180 SH.2

FD320(1°C) RUN BELOW 26'-0 EL.

UNIT AUX. TRANSF. 2-X02

2-X01C 2-X01B 2-X01A

MAIN POWER TRANSF. UNIT 2
SEE DWG. 6118-E-2148

40'

32'

45°

9-5"(DIA)

MANHOLE No. 12

3-5"(DIA)

76'

SEE SK-1
E-100 SHEET 2

4-4"(DIA)

1-4"(DIA)

3-4"(DIA)

2-4"(DIA)
JB(EXIST)

1-3"(DIA)

REACTOR STRUCTURE

N-1400.0
E-1600.0

REACTOR STRUCTURE

FOR LIGHTNING PROTECTION SEE DWG E-100 SH.2

MANHOLE "A" (NOTE 4)

FOR DETAILS SEE DWG. HJA 7767 E-3

EXTENSION BLDG.

SEE NOTE #5

SLOPE

17'

0

6-4"CONDUITS

FOR CONTINUATION REF E-142 & E-180 SH.17

SECURITY HUT

1-¾" AND 1-1" RIGIDID CONDUIT

SEE SECTION B-B E-110 AND F-F E-149

SEE SECTION B-B E-110 AND E-E E-149

E-149

L. V. STA. AUX. TRANSF. & GAS TURBINE AREA

MANHOLE No. 4

2-X04

1-X04

MANHOLE No. 3

JB760

GA706
SEE DWG. E-150

GA703
SEE DWG. PBE-46

WAREHOUSE No. 2
(60'x120')

GAS TURBINE BUILDING
REF. BECHTEL DWGS. E-149 & E-180. SH.1
ALSO WGH. DWGS 4454093, 4454094, 4454096

1-4"C 2A593

MANHOLE No. 10

DV3708

SEE DWG E-151.
WAREHOUSE #1
GARAGE

SLOPE=.005

37-4" CONDUITS

TO BECHTEL BLDG. SH.3

MH19 MH18 MH17 MH16 MH15

13.8 KV. SWGR. BLDG.
REF. DWGS. E-149, E-181, & PBC-159.

MH14

SLOPE

FOR DETAILED LAYOUT WITHIN THIS AREA SEE E-149

MANHOLE No. 8

SY02-4" PVC FOR CONTINUATION SEE DWG. E-149 SH.1

CONDUIT AND TRENCH FROM M.H. 8 & COMM PULL BOX TO CONTROL BY OTHERS SEE DWG E-150

COMMUNICATIONS PULL BOX. FOR DETAILS OF BOXES SEE DWG E-150

SWYD. CONTROL HOUSE

SWYD. 480V AUX. TRANSF. X-48

SWITCH YARD

TRENCH

76'-0"

16'-4"

204'-0"

MANHOLE No. 7

3-4" 0 PVC (A1114,A1115,A1116)

H05. 13.8 KV SWGR.

H.V. STA AUX. TRANSF. 1-X03

SEE NOTE 2.

44'-0"

29'-0"

35'-0"

HI CIRC. SWITCHER

PUMPHOUSE

PVC

DIRECT BURT (REF. E-100 SH.5)

32'

H05
13.8 KV. SWGR.

MANHOLE No. 6

H.V. STA. AUX. TRANSF. 2-X03

SEE NOTE 2.

45'-0"

29'-0"

35'-0"

HI CIRC. SWITCHER

SWYD. BUS

SEE REF. DWG. P6118-WEP-E-018

FUEL OIL PU. HSE

SEWAGE TREAT. PLANT

DV3728

DV3727

MANHOLE No. 11

FUEL OIL STORAGE

T-32B

T-32A

E 2000
E 1927
E 1600
E 1486
E 1291
E 1200
N 1907
N 1800
N 1598
N 1400
N 1000
N 888
N-1886
N-1841
N-1240
N-1196
E-1258
E-1283
E-1229
E-1193

NOTES:

1. FOR CONDUIT SECTIONS IN L.V. STA. AUX. TRANSF. & GAS TURBINE AREA. SEE DWG. E-149.
2. FOR CONDUIT SECTIONS AND ENLARGED PLANS OF H.V. STATION AUX. TRANSFORMERS 1-X03 & 2-X03 SEE DRAWING E-100. SHEET 2 OF 2.
3. FIELD TO INCLUDE 250 MCM GROUND CABLE IN CONDUIT. CONNECT TO GROUND GRID AT FACADE AND EXTEND CABLE THRU W.H. #11 TO THE SEWAGE TREATMENT PLANT. TAP CABLE FOR EXTENSION INTO F.O. PUMP HOUSE.
4. FOR ADDITIONAL DETAILS IN THIS AREA SEE S & W DRAWING 13754-EE-4A.
5. FOR ADDITIONAL DETAILS SEE HJA DRAWINGS 7767 E1, E1A & E2; 82121 E1 & E2; MODIFICATION IC-231.

REFERENCE DRAWINGS

HACKMORTHY-JUERISSON ASSOCIATES: 7767 E1, E1A & E2; 82121 E1 & E2

E-109 ELECTRICAL LAYOUT - STATION GROUNDING GRID. SHEETS 1 & 2.
E-110 EQUIPMENT GROUNDING. ELEV. 8'-0" & BELOW AND UNDERGROUND CONDUITS.
E-27 NOTES, SYMBOLS & DETAILS - RACEWAY SYSTEMS.
E-148 150-PHASE BUS REQUIREMENTS AND ELECTRICAL LAYOUT MAIN TRANSFORMER AREA. SHEETS 1 & 2
E-149 STATION AUX. TRANSFORMER & GAS TURBINE AREA.
E-122 ELECTRICAL LAYOUT. AUX. BUILDING - ELEV. 8'-0". AREA 4
E-136 ELECTRICAL LAYOUT. AUX. BUILDING - ELEV. 8'-0". AREA 8
E-2148 150-PHASE BUS REQUIREMENTS AND ELECTRICAL LAYOUT MAIN TRANSFORMER AREA. SHEETS 1 & 2
C-3 PLANT AREA.
C-15 YARD WORK DETAILS - SHEET No. 2
E-150 ELECTRICAL MANHOLE DEVELOPMENT.
E-151 ELECTRICAL LAYOUT & DETAILS. GATE HOUSE. GARAGE & WAREHOUSE.
E-152 ELECTRICAL LAYOUT & DETAILS. SEWAGE TREAT. & FUEL OIL PU. HSE AREA.
P-6118-WEP-E-018 WISCONSIN ELECTRIC POWER Co. DWG. TO 532-G - FOUNDATION PLAN POINT BEACH SWITCHYARD.

SARGENT & LUNDY DWG. E-1 CONCEALED ELECT. WORK - PLAN PUMP HOUSE - UNIT No. 1.

SARGENT & LUNDY DWG. E-2 CONCEALED ELECT. WORK - PLAN PUMP HOUSE - UNIT No. 2.

LEGEND

MAGENTA - IN SCOPE LR
BLACK - NOT IN SCOPE LR

LR-E-100 SH.1
UNIT 1 & 2
YARD STRUCTURES
REV. 1 DATE:10-17-03

D110