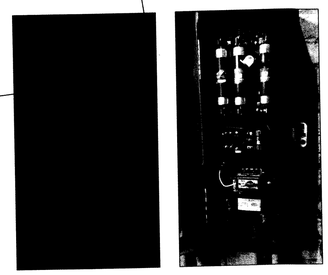
POWER PLANT

4 EXISTING ELECTRIC STARTERS FOR COOLING TOWER FANS ON 1ST FLOOR



EXISTING ELECTRIC STARTER FOR COOLING TOWER FAN.

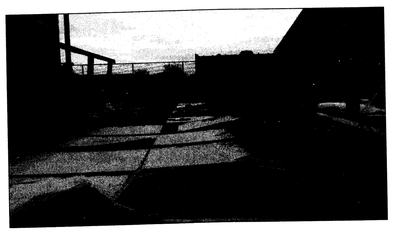
(2) PIPES BELOW GRADE

UNIT #6 STACK

UNIT #6 AIR FILTER

REFERENCE NOTES:

1. CONNECT NEW 8x14 INCREASER TO EXISTING 8"CWR PIPE AS SHOWN.
2. WIRE BRUSH AND PAINT SUPPORT STEEL. SEE SPECIFICATION SECTION 099000.
3. APPLY 2 COATS PRIMER AND 2 COATS OF WATERPROOFING LIQUID MEMBRANE MANUFACTURED BY RESODYN OR EQUAL, SEE SPECIFICATION SECTION 071400.
4. REPAIR DAMAGED AND SCRAPED CONCRETE, SEE DRAWING DM-200. APPLY MORTAR PATCH MATERIAL TO MAINTAIN ORIGINAL PIT DIMENSIONS.
5. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS ILLUSTRATING THE FABRICATION DETAILS OF THE NEW COOLING TOWER BASIN REMOVABLE SCREEN ENCLOSURE.
6. ALL EXTERIOR PIPE AND METAL SURFACES ARE TO BE CLEANED, PRIMED AND PAINTED IN ACCORDANCE WITH SPECIFICATION SECTION 099000.
7. CONTRACTOR TO CUT BACK ALL UN-USED PIPE PENETRATIONS AT LEAST 4" AND FILL SAME WITH EXPANDING WATER STOP CEMENT PRIOR TO APPLICATION OF BASIN PRIMER OR SEAL COAT.
8. PIPE ANCHOR ON CONCRETE PAD. CONCRETE PAD TO EXTEND 36" BELOW GRADE WITH 12" AGGREGATE BELOW.



EXISTING WOOD AND SCREEN BASIN COVER, REMOVE (SEE DRAWING DM-200 AND REPLACE SCREEN WITH ALUMINUM FRAME SUPPORT STRUCTURE.

ELECTRIC MAINTENANCE AND PARTS BUILDIING

A M-700.00

B M-700.00

EXISTING SHED TO REMAIN

EXISTING 8"CWR PIPE

1"DRAIN INTO BASIN (TYPICAL FOR 3)

8"CWR UP (TYPICAL FOR 3)

ACCESS DOOR

LADDER

14"CWR HEADER

FAN MOTOR TYPICAL

ACCESS DOOR

LADDER

ACCESS DOOR

6"CWR

LADDER

CT-1

CT-2

CT-3

PATCH HOLES FROM REMOVING ABANDONED PIPE, SEE DM-200.

18"CPVS PIPE REFER TO DWG. M-700.00 FOR MORE INFO.

REPLACE EXISTING WOOD AND SCREEN COVERING SYSTEM OVER BASIN WITH 4 FT WIDE REMOVABLE ALUMINUM FRAME SECTIONS WITH SCREEN COVER AND ALUMINIUM SUPPORT SYSTEM. PROVIDE 80% LIGHT REDUCTION THRU SCREEN.

EXISTING CONCRETE BASIN

12" DEEP GRAVEL BED WITH 2 LAYERS OF LANDSCAPE FABRIC BELOW, 48" WIDE AROUND PERIMETER OF BASIN, AND UNDER COOLING TOWER ACCESS PLATFORM.

6" X ⅛" STEEL LANDSCAPE EDGING MATERIAL WITH ANCHORING PINS EVERY 2 FT.

REUSE EXISTING SUPPORT STEEL FOR COOLING TOWER SUPPORTING STEEL

APPLY LIQUID MEMBRANE TO BASIN INTERIOR. (3)

MORTAR REPAIR (4)

6"CWR OPEN TO BASIN

GALVANIZED STEEL ACCESS PLATFORM WITH HANDRAIL AND TOEKICK.

STAIRS WITH HANDRAIL TO ACCESS PLATFORM, TYPICAL OF 2.

CONCRETE LANDING AT BASE OF STAIRS 10" THICK, WITH 18" BED OF AGGREGATE BELOW, TYPICAL OF 2.

FUEL TANK

FUEL TANK

FUEL TANK

FUEL TANK

UTILITY SHIELD

CT-4

CT-5

SCALE: 3/16"=1'-0"

0 4 8 12 FEET

BID DOCUMENTS

OWNER:

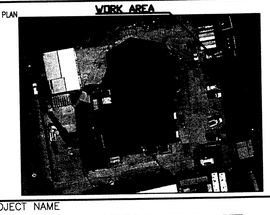
VILLAGE OF GREENPORT Est 1838

GREENPORT VILLAGE JAMES A. MONSELL POWER PLANT
400 MOORES LANE
GREENPORT, NY 11944

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF LICENSED ARCHITECT, PROFESSIONAL ENGINEER, LANDSCAPE ARCHITECT, OR LAND SURVEYOR TO ALTER THIS DOCUMENT IN ANY WAY. ANY LICENSEE WHO ALTERS THIS DOCUMENT IS REQUIRED BY LAW TO AFFIX THEIR PROFESSIONAL SEAL AND THE NOTATION 'ALTERED BY' FOLLOWED BY THE LICENSEE'S SIGNATURE AND SPECIFIC DESCRIPTION OF THE ALTERATIONS.

THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.

KEY PLAN



PROJECT NAME

GREENPORT POWER PLANT
COOLING WATER SYSTEM UPGRADE
PHASE 1: COOLING TOWER REPLACEMENT

No.	DATE	REVISION
0	05-09-2014	BID DOCUMENTS

MEP ENGINEER

Genesys Engineering P.C.
629 Fifth Avenue Bldg 3, Suite 111
Pelham, New York 10803
TEL (914) 633-6490 FAX (914) 633-6651

STRUCTURAL ENGINEER

HAZARDOUS MATERIALS AND CIVIL ENGINEERING

DRAWING TITLE:

MECHANICAL SITE PLAN, NEW WORK

SCALE: 3/16"=1'-0"

GENESYS JOB No: 0043.20-200

DATE: 01/20/2014

DRAWN BY: L.L.

CHECKED BY: J.E.

DWG NUMBER: **M-500.00**

CAD: FILE NO.