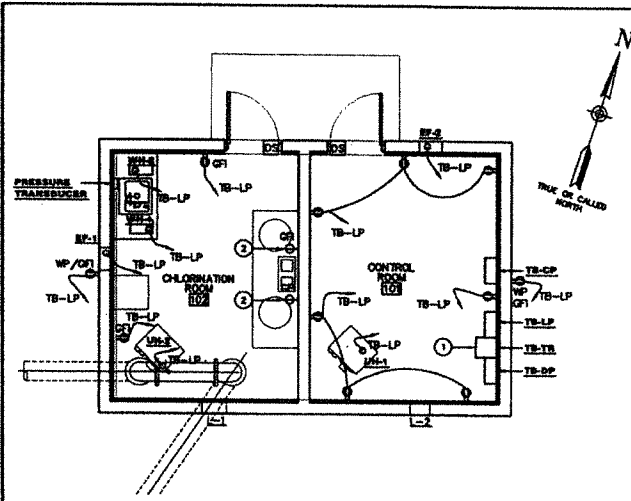
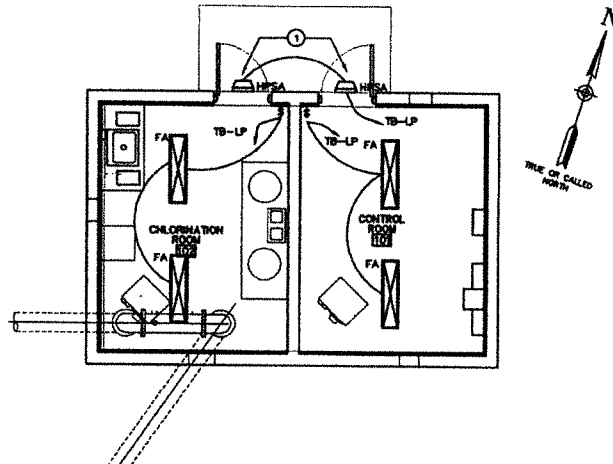


Exhibit B



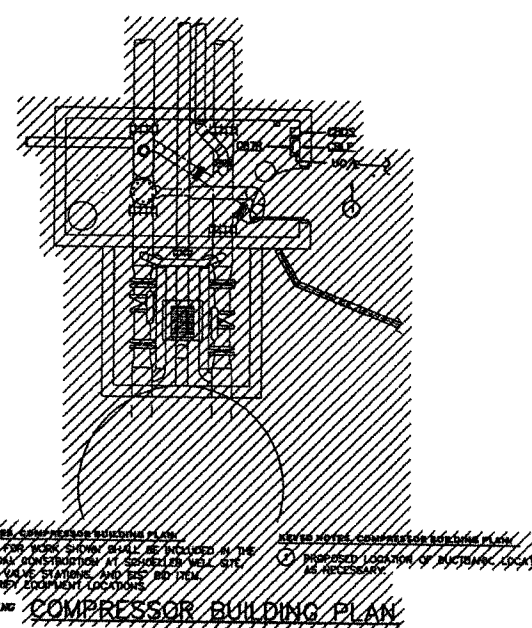
TREATMENT BUILDING - ELECTRICAL FLOOR PLAN

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

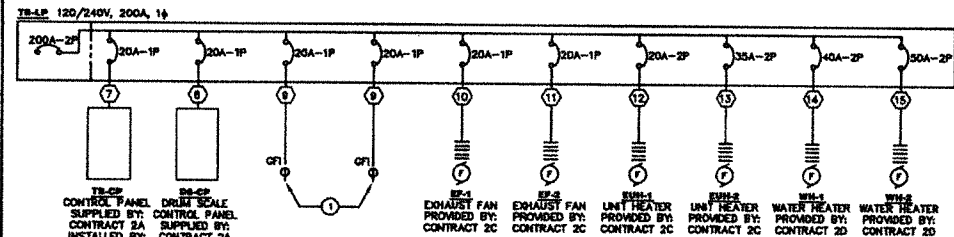


TREATMENT BUILDING LIGHTING FLOOR PLAN

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

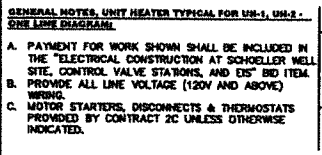


COMPRESSOR BUILDING PLAN



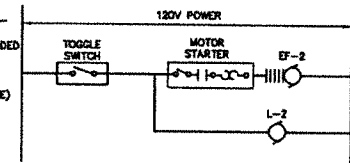
TREATMENT BUILDING - ONE LINE DIAGRAM

NOT TO SCALE



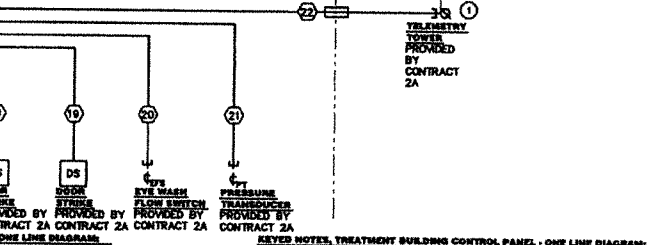
UNIT HEATER TYPICAL FOR EUH-1, EUH-2 WIRING DIAGRAM

NOT TO SCALE



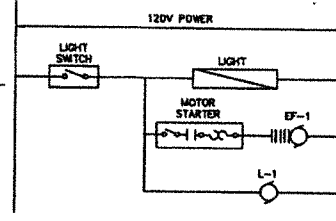
EXHAUST FAN TYPICAL FOR EF-2 WIRING DIAGRAM

NOT TO SCALE



TREATMENT BUILDING CONTROL PANEL - ONE LINE DIAGRAM

NOT TO SCALE



EXHAUST FAN TYPICAL FOR EF-1 WIRING DIAGRAM

NOT TO SCALE

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 106, SUBSECTION 1 OF THE NEW YORK STATE EDUCATION LAW

COMPLETED CONSTRUCTION

Significant Construction Changes Are Shown

By: _____ Date: _____

On: _____ Date: _____

REVISIONS

TOWN OF RICHLAND WATER DISTRICT NO. 2 CONTRACT NO. 2B - ELECTRICAL CONSTRUCTION

TREATMENT BUILDING ELECTRICAL PLANS

OSWEGO COUNTY, NEW YORK

TOWN OF RICHLAND

Scale: FEBRUARY, 2011

AS SHOWN

Sheet Number: E-3

File Number: 418.016-1115

(COMPLETED CONSTRUCTION DRAWING MADE FROM SHEET NO. E-3, FILE NO. 418.016-1115, DATED: MAY, 2009)

Prepared: Jan 20, 2011 - 5:00PM BY: JWC
 Checked by: JWC
 Drawn by: JWC
 In charge of: JWC

CIRCUIT SCHEDULE						
WELL SITE & TREATMENT BUILDING						
DESIGNATION	EQUIPMENT OR CIRCUIT SERVED	CONDUCTORS			CONDUIT SIZE	REMARKS
		PHASE	NEUTRAL	GROUND		
1	WS-CP	3640	1840	148	2 1/2"	200A
2	WELL B-13	342	162	148	1 1/2"	100A
3	TREATMENT BUILDING	362	162	148	1 1/2"	100A
4	CONCRETE HANDHOLE	362	162	148	1 1/2"	100A
5	TB-TR	282	NONE	148	1 1/2"	100A
6	TB-LP	282	148	148	2"	200A
7	TB-CP	1812	1812	1812	3/4"	20A
8	DB-CP	1812	1812	1812	3/4"	20A
9	QFI SIMPLEX	1812	1812	1812	3/4"	20A
10	EP-1	1812	1812	1812	3/4"	20A
11	EP-2	1812	1812	1812	3/4"	20A
12	EUR-1	2912	NONE	1812	3/4"	20A
13	EUR-2	296	NONE	186	1"	38A
14	WH-1	298	NONE	148	1"	40A
15	WH-2	298	NONE	148	1"	50A
16	(2)17, 18					
17	CHEMICAL FEED PUMP	18148TP, 2914			3/4"	4-20mA, 24V DC
18	DB-CP	29148TP			3/4"	(2) 4-20 Ma
19	DOOR STRIKE	2914			3/4"	24V DC
20	EYE WASH FLOW SWITCH	2914			3/4"	24V DC
21	PRESSURE TRANSDUCER	18148TP			3/4"	4-20 Ma
22	TELEMETRY	COAX (SUPPLIED BY CONTRACT 2A)			2"	
23	WELL B-13-CP	1812	1812	1812	3/4"	20A
24	VFD	284	NONE	148	1 1/2"	80A
25	30HP PUMP	FACTORY CABLE (SUPPLIED BY CONTRACT 2A)			2"	
26	WELL B-27-CP	1812	1812	1812	3/4"	20A
27	VFD	298	NONE	148	1"	40A
28	12.5HP PUMP	FACTORY CABLE (SUPPLIED BY CONTRACT 2A)			2"	
29	PRESSURE TRANSDUCER	18148TP			3/4"	4-20 Ma
30	MAG METER	FACTORY CABLE (SUPPLIED BY CONTRACT 2A)			1"	
31	LEVEL SENSOR	FACTORY CABLE (SUPPLIED BY CONTRACT 2A)			1"	
32	PRESSURE TRANSDUCER	18148TP			3/4"	4-20 Ma
33	MAG METER	FACTORY CABLE (SUPPLIED BY CONTRACT 2A)			1"	
34	LEVEL SENSOR	FACTORY CABLE (SUPPLIED BY CONTRACT 2A)			1"	
35	WELL B-27	342	162	148	1 1/2"	100A

GENERAL NOTES, CIRCUIT SCHEDULE:
 A. ALL CONTROL/COMMUNICATION WIRING REQUIREMENTS INCLUDING BUT NOT LIMITED TO WIRE SIZE, TYPE, QUANTITY OF CONDUCTORS TO BE VERIFIED WITH CONTRACT 2A.

LIGHT FIXTURE SCHEDULE											
TREATMENT BUILDING											
DESIGNATION	TYPE	MANUFACTURER	MODEL NO.	FIXTURE CHARACTERISTICS		LAMP CHARACTERISTICS		ENCLOSURE	LENS	BALLAST	REMARKS
				VOLTAGE	WATTS	TYPE	WATTS				
FA	4' SINGLE LAMP ENCLOSED STRIP	HE WILLIAMS	98-4-64TH-PC-WET1-48MB-EB1-120	120	84	T8	84	FIBERGLASS, 20 GAUGE	100% POLYCARB, UV STABILIZED	ELECTRONIC	1, 6, 7
HPBA	ARCHITECTURAL WALL PACK	HE WILLIAMS	WPAL-HPB-60-ARD-120	120	60	HPB	60W	HEAVY-DUTY DIE CAST ALUMINUM	GLASS PRISMATIC REFLECTOR	ELECTRONIC	1, 2, 3, 4, 6

GENERAL NOTES, LIGHT FIXTURE SCHEDULE:
 A. MODEL SHOWN FOR QUALITY PURPOSES. LIGHT FIXTURES SHALL BE OF EQUAL OR GREATER QUALITY.
 REMARKS, LIGHT FIXTURE SCHEDULE:
 1. UL LISTED FOR WET LOCATIONS
 2. FULL CUTOFF
 3. BRONZE COLOR
 4. RATED -46 DEG F STARTING TEMPERATURE
 5. CEILING MOUNT
 6. PROVIDE WITH PHOTOCELL
 7. PROVIDE STAINLESS STEEL HARDWARE

DUCTBANK SCHEDULE									
WELL SITE & TREATMENT BUILDING									
DESIGNATION	ORIGIN	DESTINATION	EQUIPMENT OR CIRCUIT SERVED	CIRCUIT DESIGNATION	CONDUCTORS			CONDUIT SIZE	TYPE
					PHASE	NEUTRAL	GROUND		
DB-1	POLE WSP-1	TREATMENT BUILDING	TREATMENT BUILDING	1	REFER TO CIRCUIT SCHEDULE				DIRECT BURIED
DB-2	POLE WSP-1	TREATMENT BUILDING	TREATMENT BUILDING	2	REFER TO CIRCUIT SCHEDULE				DIRECT BURIED
DB-3	POLE WSP-1	WELL B-13 SITE	WELL B-13 SITE	1	REFER TO CIRCUIT SCHEDULE				DIRECT BURIED
DB-4	POLE WSP-1	WELL B-27 SITE	WELL B-27 SITE	25	REFER TO CIRCUIT SCHEDULE				DIRECT BURIED
DB-5	WELL B-13-CP	WELL B-13	PUMP	26	REFER TO CIRCUIT SCHEDULE				DIRECT BURIED
DB-6	WELL B-13-CP	WELL B-13	LEVEL SENSOR	31	REFER TO CIRCUIT SCHEDULE				DIRECT BURIED
DB-6A	WELL B-13-CP	CONCRETE HANDHOLE	MAGMETER	30	REFER TO CIRCUIT SCHEDULE				DIRECT BURIED
	WELL B-13-CP	CONCRETE HANDHOLE	PRESSURE TRANSDUCER	29	REFER TO CIRCUIT SCHEDULE				DIRECT BURIED
DB-6	WELL B-13-CP	WELL B-13	PUMP	25	REFER TO CIRCUIT SCHEDULE				DIRECT BURIED
	WELL B-13-CP	WELL B-13	LEVEL SENSOR	31	REFER TO CIRCUIT SCHEDULE				DIRECT BURIED
DB-6A	WELL B-13-CP	CONCRETE HANDHOLE	MAGMETER	30	REFER TO CIRCUIT SCHEDULE				DIRECT BURIED
	WELL B-13-CP	CONCRETE HANDHOLE	PRESSURE TRANSDUCER	29	REFER TO CIRCUIT SCHEDULE				DIRECT BURIED
DB-7	TREATMENT BUILDING	TELEMETRY TOWER	TELEMETRY	22	REFER TO CIRCUIT SCHEDULE				DIRECT BURIED

TRANSFORMER SCHEDULE						
WELL SITE & TREATMENT BUILDING						
DESIGNATION	KVA RATING	PRIMARY	SECONDARY	PHASE	NEMA RATING	REMARKS
TB-TR	50	480	120/240	1	2	
B-TB-TR	15	480	120/240	1	SR	TO CONTROL PANEL
B-TB-TR	5	480	120/240	1	SR	TO CONTROL PANEL

PANEL WS-CP		
WELL SITE & TREATMENT BUILDING		
DESIGNATION	KVA RATING	REMARKS
WS-CP	100A	
MAIN BUS	100A	
MIN. INTERRUPT RATING - SYM	24	TOTAL 1P SPACES

PANEL TB-LP		
TREATMENT BUILDING		
DESIGNATION	KVA RATING	REMARKS
TB-LP	200	
MAIN BUS	200	
MIN. INTERRUPT RATING - SYM	42	TOTAL 1P SPACES

PANEL TB-DP	
DESIGNATION	LOCATION
TB-DP	TREATMENT BUILDING
MAIN BUS	100A
MIN. INTERRUPT RATING - SYM	24
	TOTAL 1P SPACES

PANEL WELL B-27-DP	
DESIGNATION	LOCATION
WELL B-27-DP	WELL B-27 SITE
MAIN BUS	100A
MIN. INTERRUPT RATING - SYM	24
	TOTAL 1P SPACES

PANEL WELL B-13-DP	
DESIGNATION	LOCATION
WELL B-13-DP	WELL B-13 SITE
MAIN BUS	100A
MIN. INTERRUPT RATING - SYM	24
	TOTAL 1P SPACES

EQUIPMENT CONNECTION SCHEDULE											
TREATMENT BUILDING											
UNIT	NO.	LOC.	HP	KV	AMPS	VOLTS	#	INTERLOCKS	WIRING		REMARKS
									CONDUCTORS / CONDUIT	PANEL	
EP-1		CHLORINATION ROOM	1/25			120	1	L-1	2#12 & #12G IN 3/4"	20	TB-LP
EP-2		CONTROL ROOM	1/25			120	1	L-2	2#12 & #12G IN 3/4"	20	TB-LP
EUR-1		CONTROL ROOM		3.3		240	1		SEE CIRCUIT SCHEDULE	SEE ONE LINE DIAGRAM	TB-LP
EUR-2		CHLORINATION ROOM		5		240	1		SEE CIRCUIT SCHEDULE	SEE ONE LINE DIAGRAM	TB-LP
WH-1		UNDER 84K		7.5		240	1		SEE CIRCUIT SCHEDULE	SEE ONE LINE DIAGRAM	TB-LP
WH-2		UNDER 84K		9		240	1		SEE CIRCUIT SCHEDULE	SEE ONE LINE DIAGRAM	TB-LP

CONDUIT SCHEDULE		
WELL SITE & TREATMENT BUILDING		
BUILDING OR AREA	AREA DESCRIPTION	CONDUIT MATERIAL
TREATMENT BUILDING	CONTROL ROOM	EMT
GENERAL	CHLORINATION ROOM	SCHED 80 PVC U.O.I.
	IN SLAB	SCHED 40
	UNDERGROUND 90 SWEEPS	RGS
	BUILDING EXTERIOR EXPOSED	RGS
UNDERGROUND	DIRECT BURIED	SCHED 80 PVC U.O.I.

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7208, SUBSECTION 2 OF THE NEW YORK STATE EDUCATION LAW.

COMPLETED CONSTRUCTION

Significant Construction Changes Are Shown

By: _____ Date: _____
 C.A.: _____ Date: _____

REVISIONS

TOWN OF RICHLAND
 WATER DISTRICT NO. 2
 CONTRACT NO. 2B - ELECTRICAL CONSTRUCTION

WELL SITE & TREATMENT BUILDING
 ELECTRICAL SCHEDULES

OSWEGO COUNTY, NEW YORK

Revision: **B** & **L**
 ogdiana.p.c.

Date: FEBRUARY, 2011
 Scale: AS SHOWN
 Sheet Number: **E-5**
 File Number: 418.016-1135

NO ALTERATION PERMITTED WITHOUT EXCEPT AS PROVIDED UNDER SECTION 7000, SUBSECTION 2 OF THE NEW YORK STATE EDUCATION LAW.

COMPLETED CONSTRUCTION
Significant Construction Changes Are Shown

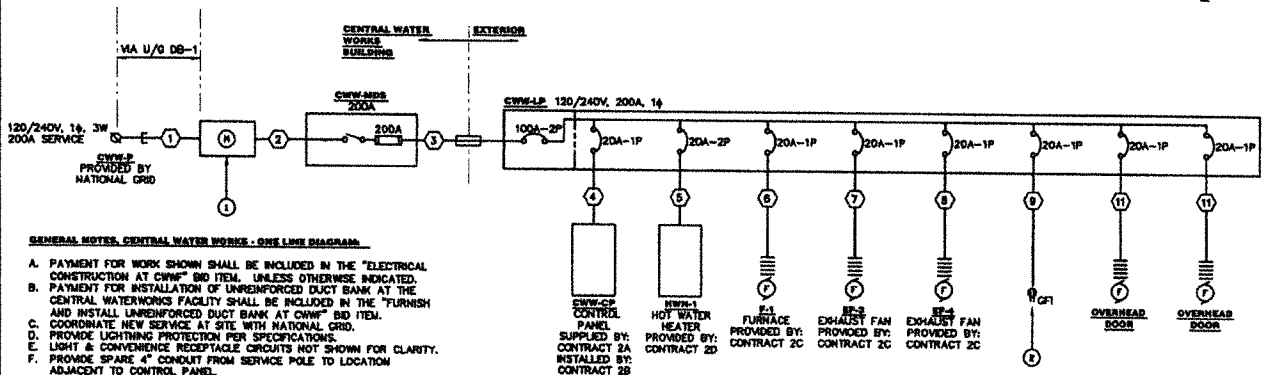
By _____ Date _____
Of's _____ Date _____

REVISIONS

TOWN OF RICHLAND
WATER DISTRICT NO. 2
CONTRACT NO. 2B - ELECTRICAL CONSTRUCTION
CENTRAL WATER WORKS BUILDING
ELECTRICAL PLANS
OSHEGO COUNTY, NEW YORK

Barton
oguidice, P.C.

Date
FEBRUARY, 2011
Scale
AS SHOWN
Sheet Number
E-6
File Number
418.016-114S



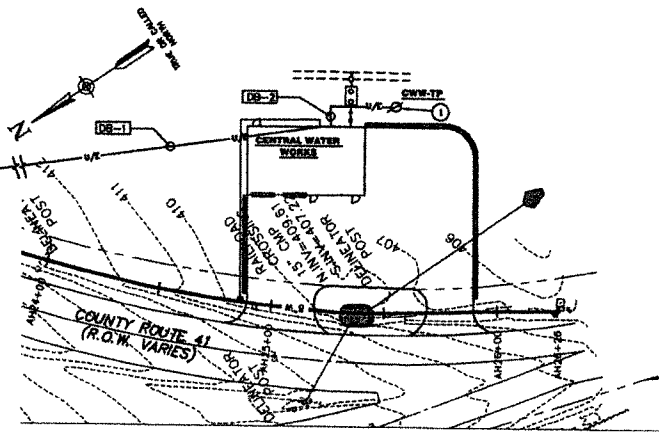
GENERAL NOTES, CENTRAL WATER WORKS - ONE LINE DIAGRAM

- A. PAYMENT FOR WORK SHOWN SHALL BE INCLUDED IN THE "ELECTRICAL CONSTRUCTION AT CWWP" BID ITEM, UNLESS OTHERWISE INDICATED.
- B. PAYMENT FOR INSTALLATION OF UNREINFORCED DUCT BANK AT THE CENTRAL WATERWORKS FACILITY SHALL BE INCLUDED IN THE "FURNISH AND INSTALL UNREINFORCED DUCT BANK AT CWWP" BID ITEM.
- C. COORDINATE NEW SERVICE AT SITE WITH NATIONAL GRID.
- D. PROVIDE LIGHTNING PROTECTION PER SPECIFICATIONS.
- E. LIGHT & CONVENIENCE RECEPTACLE CIRCUITS NOT SHOWN FOR CLARITY.
- F. PROVIDE SPARE 4" CONDUIT FROM SERVICE POLE TO LOCATION ADJACENT TO CONTROL PANEL.

KEYED NOTES, CENTRAL WATER WORKS - ONE LINE DIAGRAM

- ① UTILITY TO PROVIDE METER. CONTRACTOR TO PROVIDE METER SOCKET.
- ② PROVIDE GFI RECEPTACLE FOR WATER SALESMAN.

CENTRAL WATER WORKS - ONE LINE DIAGRAM
NOT TO SCALE



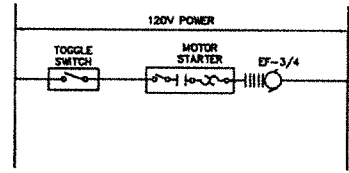
KEYED NOTES, CENTRAL WATER WORKS - ELECTRICAL SITE PLAN

① Control Panel
② Hot Water Heater
③ Furnace
④ Exhaust Fan
⑤ Exhaust Fan
⑥ Overhead Door
⑦ Overhead Door

GENERAL NOTES, CENTRAL WATER WORKS - ELECTRICAL SITE PLAN

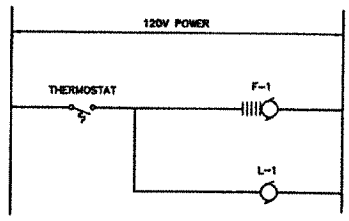
- A. PAYMENT FOR WORK SHOWN SHALL BE INCLUDED IN THE "ELECTRICAL CONSTRUCTION AT CWWP" BID ITEM, UNLESS OTHERWISE INDICATED.
- B. PAYMENT FOR INSTALLATION OF UNREINFORCED DUCT BANK AT THE CENTRAL WATERWORKS FACILITY SHALL BE INCLUDED IN THE "FURNISH AND INSTALL UNREINFORCED DUCT BANK AT CWWP" BID ITEM.

CENTRAL WATER WORKS - ELECTRICAL SITE PLAN (REVISED LOCATION)
SCALE: 1" = 30'-0"



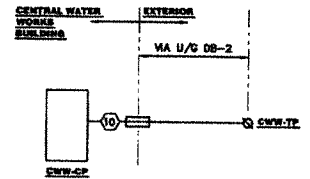
- GENERAL NOTES, EXHAUST FAN TYPICAL FOR EF-3/EF-4 WIRING DIAGRAM:
- A. PAYMENT FOR WORK SHOWN SHALL BE INCLUDED IN THE "ELECTRICAL CONSTRUCTION AT CWWP" BID ITEM.
 - B. PROVIDE ALL LINE VOLTAGE (120V AND ABOVE) WIRING.
 - C. MOTOR STARTERS, DISCONNECTS & THERMOSTATS PROVIDED BY CONTRACT 3C UNLESS OTHERWISE INDICATED.
 - D. PROVIDE TOGGLE SWITCH AS INDICATED.

EXHAUST FAN TYPICAL FOR EF-3/EF-4 WIRING DIAGRAM
NOT TO SCALE



- GENERAL NOTES, FURNACE TYPICAL FOR F-1 WIRING DIAGRAM:
- A. PAYMENT FOR WORK SHOWN SHALL BE INCLUDED IN THE "ELECTRICAL CONSTRUCTION AT CWWP" BID ITEM.
 - B. PROVIDE ALL LINE VOLTAGE (120V AND ABOVE) WIRING.
 - C. MOTOR STARTERS, DISCONNECTS & THERMOSTATS PROVIDED BY CONTRACT 3C UNLESS OTHERWISE INDICATED.

FURNACE TYPICAL FOR F-1 WIRING DIAGRAM
NOT TO SCALE



GENERAL NOTES, CENTRAL WATER WORKS CONTROL PANEL - ONE LINE DIAGRAM

- A. PAYMENT FOR WORK SHOWN SHALL BE INCLUDED IN THE "ELECTRICAL CONSTRUCTION AT CWWP" BID ITEM.
- B. MAKE ALL FIELD CONNECTION (UNDER SUPERVISION OF CONTRACT 2A).
- C. PROVIDE CWW-TP AS 50', CLASS II, SOUTHERN YELLOW PINE POLE. INSTALL AT MIN. OF 8' BELOW FINISHED GRADE. INSTALL RGS CONDUIT TO MIN. OF 20' ABOVE FINISHED GRADE. PROVIDE WEATHERHEAD. PROVIDE DROP LOOP ON COAX.

CENTRAL WATER WORKS BUILDING CONTROL PANEL - ONE LINE DIAGRAM
NOT TO SCALE

Plotted: Jan 21, 2011 - 5:07PM By: JMC
 C:\Users\jmc\Documents\Drawings\418016-114S.dwg
 Drawn by: JMC
 Designed by: JMC
 In charge of: JMC

NO ALTERATION PERMITTED
HEREON EXCEPT AS PROVIDED
UNDER SECTION FOUR
SUBSECTION 1 OF THE NEW
YORK STATE EDUCATION LAW

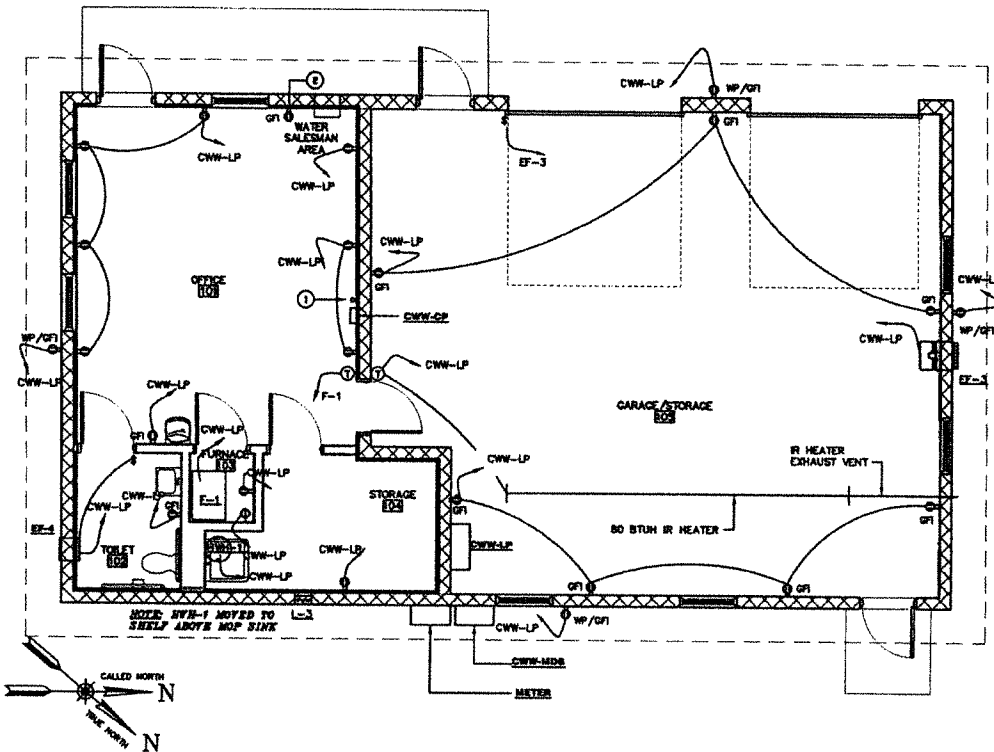
COMPLETED CONSTRUCTION

Significant Construction
Changes Are Shown

By _____ Date _____
Of _____ Date _____

REVISIONS

TOWN OF RICHLAND
WATER DISTRICT NO. 2
CONTRACT NO. 2B - ELECTRICAL CONSTRUCTION
CENTRAL WATER WORKS BUILDING
ELECTRICAL FLOOR PLANS
OSWEGO COUNTY, NEW YORK



GENERAL NOTES, CENTRAL WATER WORKS - ELECTRICAL FLOOR PLAN:

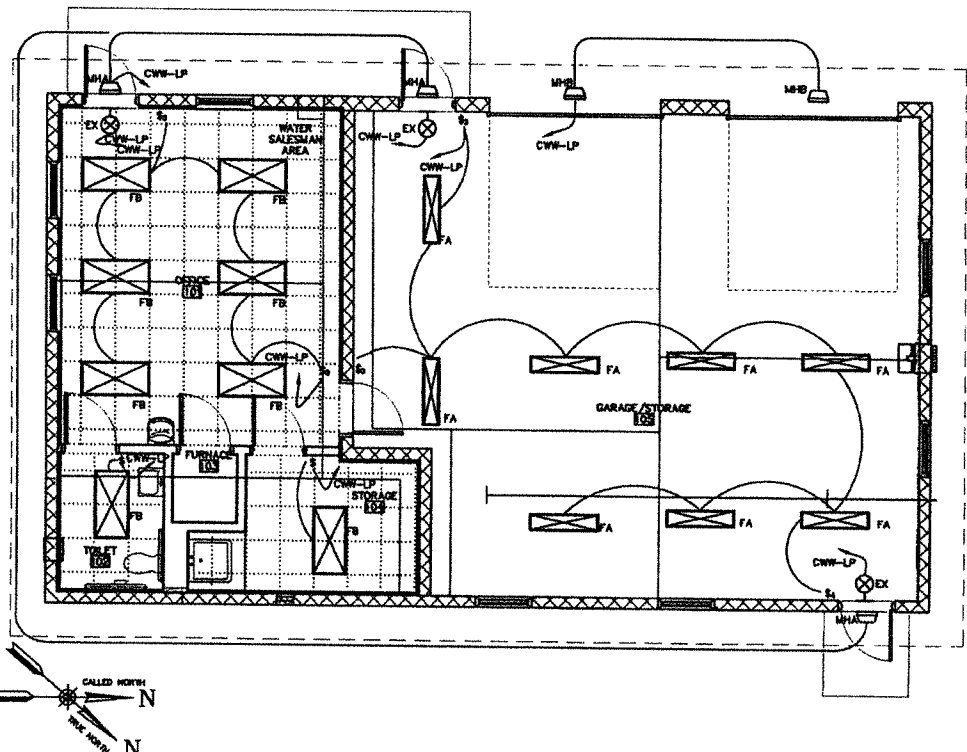
A. PAYMENT FOR WORK SHOWN SHALL BE INCLUDED IN THE "ELECTRICAL CONSTRUCTION AT CWW" BID ITEM. UNLESS OTHERWISE INDICATED.

KEYER NOTES, CENTRAL WATER WORKS - ELECTRICAL FLOOR PLAN:

- ① PROVIDE CONDUIT STUB UP MAX 2" FROM WALL ADJACENT TO CONTROL PANEL FOR SPARE 4" CONDUIT.
- ② COORDINATE LOCATION OF RECEPTACLE FOR WATER SALESMAN WITH CONTRACT 2A.

CENTRAL WATER WORKS - ELECTRICAL FLOOR PLAN

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



GENERAL NOTES, CENTRAL WATER WORKS - LIGHTING FLOOR PLAN:

- A. PAYMENT FOR WORK SHOWN SHALL BE INCLUDED IN THE "ELECTRICAL CONSTRUCTION AT CWW" BID ITEM. UNLESS OTHERWISE INDICATED.
- B. MOUNT EXTERIOR LIGHTS MINIMUM 12" ABOVE DOOR. CENTER LIGHT OVER DOOR. COORDINATE EXACT LOCATION WITH ARCHITECTURAL DRAWINGS.
- C. COORDINATE OVER-HEAD DOOR MOTOR LOCATIONS WITH CONTRACT 2A.

CENTRAL WATER WORKS - LIGHTING FLOOR PLAN

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

Date: Jan 20, 2011 - 8:09PM
 By: JWC
 Drawn by: JWC
 Checked by: JWC
 In charge of: JWC



(COMPLETED CONSTRUCTION DRAWING MADE FROM SHEET NO. E-7, FILE NO. 418.016-115F, DATED: MAY, 2009)

Date	FEBRUARY, 2011
Scale	AS SHOWN
Sheet Number	E-7
File Number	418.016-115S

CONDUIT SCHEDULE		
CENTRAL WATER WORKS		
BUILDING OR AREA	AREA DESCRIPTION	CONDUIT MATERIAL
INTERIOR	ALL	EMT
GENERAL	IN SLAB	SCHED 40
	UNDERGROUND 90 SWEEPS	RGS
	BUILDING EXTERIOR EXPOSED	RGS
	RISERS FROM UNDERGROUND	RGS
UNDERGROUND	DIRECT BURIED	SCHED 90 PVC U.O.I.

PANEL CWW-LP	
PROPERTY - 3 PHASE - 3 WIRE - MEMA 1-3E RATED	CENTRAL WATER WORKS
CHARACTERISTICS	LOCATION
200A	200A
MAIN BUS	MAIN BREAKER
30K	42
MIN. INTERRUPT RATING - 8YM	TOTAL 1P SPACES
GENERAL NOTES, PANEL CWW-LP:	
A. PANEL SHALL BE SERVICE ENTRANCE RATED	

DISCONNECT SCHEDULE						
CENTRAL WATER WORKS						
DESIGNATION	VOLTAGE	CURRENT	HP	PHASE	NEMA RATING	FUSE
CWW-4DE	240	200		1	3K	200
REMARKS, DISCONNECT SCHEDULE:						
1. SERVICE ENTRANCE RATED. WITH SERVICE ENTRANCE LABEL.						
2. WITH LIGHTNING ARRESTOR.						

EQUIPMENT CONNECTION SCHEDULE											
CENTRAL WATER WORKS											
UNIT	MOTOR					INTERLOCKS		WIRING			REMARKS
NO.	LDC*	HP	IRV	AMPS	VOLTS	#	W/ EQUIP./DEVICES	CONDUCTORS / CONDUIT	C/S	PANEL	
EF-3	CWW	1/6			120	1		2#12 & #120 IN 3/4"	20	CWW-LP	
EF-4	CWW		0.003		120	1		2#12 & #120 IN 3/4"	20	CWW-LP	
F-1	CWW	1/6			120	1		SEE CIRCUIT SCHEDULE	SEE ONE LINE DIAGRAM	CWW-LP	
HWH-1	CWW		2.5	10.4	240	1		SEE CIRCUIT SCHEDULE	SEE ONE LINE DIAGRAM	CWW-LP	

DUCTBANK SCHEDULE									
CENTRAL WATER WORKS									
DESIGNATION	ORIGIN	DESTINATION	EQUIPMENT OR CIRCUIT SERVED	CIRCUIT DESIGNATION	CONDUCTORS			CONDUIT SIZE	TYPE
					PHASE	NEUTRAL	GROUND		
DB-1	CWW-LP	METER	CENTRAL WATER WORKS	1	REFER TO CIRCUIT SCHEDULE				DIRECT BURIED
DB-2	CENTRAL WATER WORKS	TELEMETRY POLE	TELEMETRY	10	REFER TO CIRCUIT SCHEDULE				DIRECT BURIED

CIRCUIT SCHEDULE						
CENTRAL WATER WORKS						
DESIGNATION	EQUIPMENT OR CIRCUIT SERVED	CONDUCTORS			CONDUIT SIZE	REMARKS
		PHASE	NEUTRAL	GROUND		
1	SERVICE	3#60	1#60	NONE	4"	200A
2	CWW-NDB	3#60	1#60	NONE	4"	200A
3	CWW-LP	3#60	1#60	1#6	4"	200A
4	CWW-CP	1#12	1#12	1#12	3/4"	20A
5	HWH-1	2#12	NONE	1#12	3/4"	20A
6	F-1	1#12	1#12	1#12	3/4"	20A
7	EF-3	1#12	1#12	1#12	3/4"	20A
8	EF-4	1#12	1#12	1#12	3/4"	20A
9	GFI DUPLEX	1#12	1#12	1#12	3/4"	20A
10	TELEMETRY	COAX (SUPPLIED BY CONTRACT 2A)			2"	
11	OVERHEAD DOOR	1#12	1#12	1#12	3/4"	20A

GENERAL NOTES, CIRCUIT SCHEDULE:
A. ALL CONTROL/COMMUNICATION WIRING REQUIREMENTS INCLUDING BUT NOT LIMITED TO WIRE SIZE, TYPE, QUANTITY OF CONDUCTORS TO BE VERIFIED WITH CONTRACT 2A.

LIGHT FIXTURE SCHEDULE											
CENTRAL WATER WORKS											
DESIGNATION	TYPE	MANUFACTURER	MODEL NO.	FIXTURE CHARACTERISTICS		LAMP CHARACTERISTICS		ENCLOSURE	LENS	BALLAST	REMARKS
				VOLTAGE	WATTS	TYPE	WATTS				
FA	1/4 TROFFER WITH ACRYLIC LENS - 2 LAMP	HE WILLIAMS	92-4-232-OC-A	120	64	T8	(2)32W	POLYESTER REINFORCED FIBERGLASS	HIGH IMPACT ACRYLIC	ELECTRONIC	1, 5
FB	2 1/4 STATIC TROFFER	HE WILLIAMS	540-424-232-FPC288-120	120	64	T8	(2)32W	22 GAUGE DIE FORMED C.R.S.	HEAT & IMPACT RESISTANT GLASS	ELECTRONIC	
MHA	DESIGNER WALL PACK	HE WILLIAMS	W046-PEMH-70-MED-FD-120	120	70	MH	70W	HEAVY-DUTY DIE CAST ALUMINUM	HEAT & IMPACT RESISTANT GLASS	PULSE START	1, 2, 3, 4, 6
MHB	ARCHITECTURAL WALL PACK	HE WILLIAMS	WP44-PEMH-60-MED-120	120	60	MH	60W	HEAVY-DUTY DIE CAST ALUMINUM	GLASS PRISMATIC BOROSILICATE	PULSE START	1, 2, 3, 4, 6
EKA	EXIT LIGHT	HE WILLIAMS	EXT-4-EM-NHT	120	4	LED	4	HIGH IMPACT V-O FLAME RETARDANT		N/A	

GENERAL NOTES, LIGHT FIXTURE SCHEDULE:
A. MODEL SHOWN FOR QUALITY PURPOSES. LIGHT FIXTURES SHALL BE OF EQUAL OR GREATER QUALITY.
REMARKS, LIGHT FIXTURE SCHEDULE:
1. UL LISTED FOR WET LOCATIONS
2. FULL CUTOFF
3. BROWN COLOR
4. RATED 20 DEG F STARTING TEMPERATURE
5. CEILING MOUNT
6. PROVIDE WITH PHOTOCELL

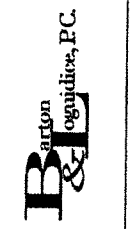
NO ALTERATION PERMITTED FROM SCOPE AS PROVIDED UNDER SECTION 7500 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

COMPLETED CONSTRUCTION
Significant Construction Changes Are Shown

By: _____ Date: _____
CK'd: _____ Date: _____

REVISIONS

TOWN OF RICHLAND
WATER DISTRICT NO. 2
CONTRACT NO. 2B - ELECTRICAL CONSTRUCTION
CENTRAL WATER WORKS BUILDING
ELECTRICAL DETAILS & SCHEDULES
OSWEGO COUNTY, NEW YORK



Date: FEBRUARY, 2011
Scale: AS SHOWN
Sheet Number: F-8
File Number: 418.016-116S

Designed by JMC
Checked by JMC
Drawn by JMC
Scale: 1/8" = 1'-0"
Date: FEBRUARY, 2011
Sheet: F-8
File: 418.016-116S