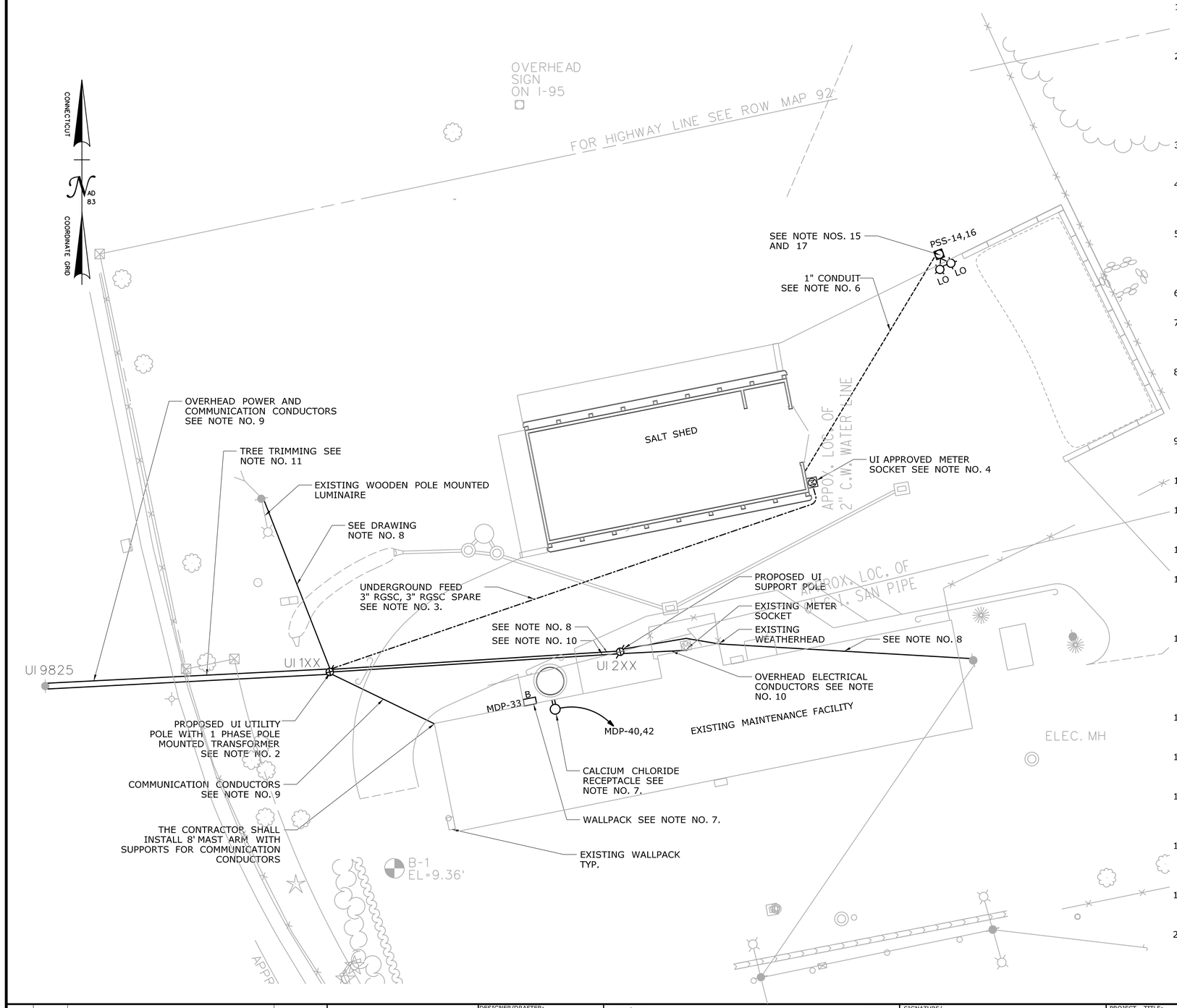

DRAWING NOTES:

1. THE CONTRACTOR SHALL CONTACT UI REPRESENTATIVE TO COORDINATE THE POWER UTILITY'S PORTION OF PROJECT WORK. (CONTACT TO BE GIVEN AT THE PRECONSTRUCTION MEETING). THE CONTRACTOR SHALL GIVE UI A MINIMUM NOTICE OF FOUR WEEKS PRIOR TO REQUIRING THE INITIATION OF ANY WORK TO BE COMPLETED BY THE UTILITY'S FORCES.

2. UI SHALL FURNISH AND INSTALL A NEW POLE WITH TRANSFORMERS RATED TO PROVIDE 200 AMPS 120/240 VOLTS, SINGLE PHASE FOR THE EXISTING MAINTENANCE FACILITY, AND 100 AMPS 120/240 VOLTS, SINGLE PHASE FOR THE SALT SHED POWER. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL UNDERGROUND CONDUITS, PULL WIRE, 90 DEGREES RGSC SWEEPS, THE FIRST 10 FEET LENGTH OF CONDUIT RISER AT THE PROPOSED UI POLE, AND STAND-OFF BRACKETS. THE CONTRACTOR SHALL FURNISH TO UI THE REMAINING RGSC CONDUIT, STAND-OFF BRACKETS, WEATHERHEAD, AND ALL REQUIRED GROUNDING EQUIPMENT. SPARE CONDUIT SHALL BE CAPPED AND SHALL TERMINATE 18 IN. ABOVE GROUND AT PROPOSED UI POLE.

3. THE CONTRACTOR SHALL FURNISH AND INSTALL RGS CONDUIT AND SECONDARY CONDUCTORS FROM THE TRANSFORMER TO THE SALT SHED. THE CONTRACTOR SHALL INSTALL 3" RGS CONDUIT IN TRENCH WITH (3) #1/0 AWG. AND (1) #3 AWG. GROUND AND ONE 3" RGSC SPARE CONDUIT.

4. THE CONTRACTOR SHALL FURNISH AND INSTALL A UI APPROVED METER SOCKET WITH MANUAL DISCONNECT. THE METER SOCKET SHALL BE 100 AMP RATED AND SHALL BE INSTALLED AT 5 FT. AFG. MEASURED TO THE CENTER OF THE METER SOCKET. THE CONTRACTOR SHALL FURNISH AND INSTALL A CONDUIT EXPANSION SLIP -FITTER COUPLING PRIOR TO CONNECTING CONDUIT TO METER SOCKET.

5. THE CONTRACTOR SHALL COORDINATE THE POLE INSTALLATION WITH UI AND AT&T. THE CONTRACTOR SHALL CONTACT AT&T TWO (2) WEEKS PRIOR TO THE INITIATION OF ANY WORK TO BE COMPLETED BY THE UTILITY'S FORCES. THE CONTRACTOR SHALL COORDINATE ANY POWER AND COMMUNICATION SERVICE OUTAGES WITH THE ENGINEER. THE CONTRACTOR SHALL NOT PROCEED WITH INTERRUPTION WITHOUT WRITTEN PERMISSION.

6. THE CONTRACTOR SHALL FURNISH AND INSTALL 1" CONDUIT IN TRENCH WITH (2) #10 AWG. AND (1) #10 AWG. GROUND TO FEED THE SAND PILE LIGHTING.

7. THE CONTRACTOR SHALL FURNISH AND INSTALL WALLPACK FOR THE CALCIUM CHLORIDE SYSTEM. WALLPACK SHALL BE MOUNTED 12.5' AFG. FEED WALLPACK FROM EXISTING WALLPACK CIRCUIT. THE CONTRACTOR SHALL MOUNT THE CALCIUM CHLORIDE PUMP RECEPTACLE 42" AFF. PROVIDE $^{3}/_{4}$"C FOR THE SERVICE. SEE CALCIUM CHLORIDE DISPENSING SYSTEM DETAIL ON DRAWING NO. C-005.

8. THE CONTRACTOR SHALL FURNISH AND INSTALL OVERHEAD CONDUCTORS 2-#10,#10 GND WITH MESSENGER FOR AERIAL FEED FROM EXISTING POLE MOUNTED LIGHT FIXTURE TO PROPOSED UI POLE. THE CONTRACTOR SHALL FURNISH AND INSTALL OVERHEAD CONDUCTORS 2-#10,#10 GND WITH MESSENGER FOR AERIAL FEED FROM PROPOSED UI POLE TO EXISTING WEATHERHEAD MOUNTED ON THE EXISTING BUILDING. THE CONTRACTOR SHALL MAINTAIN A 18' AFG CLEARANCE FOR THE OVERHEAD CONDUCTORS.

9. UI IS RESPONSIBLE FOR THE INSTALLATION OF PRIMARY CONDUCTORS. AT&T IS RESPONSIBLE FOR THE INSTALLATION OF COMMUNICATION ENTRANCE CONDUCTORS. COORDINATE THE INSTALLATION WITH THE UTILITIES.

10. UI IS RESPONSIBLE FOR FURNISHING AND INSTALLING OVERHEAD SERVICE CONDUCTORS FROM THE PROPOSED UTILITY POLE TO THE EXISTING METER SOCKET.

11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF BRANCHES THAT ARE IN THE RIGHT OF WAY OF THE ELECTRICAL CONDUCTORS. THE CONTRACTOR SHALL COORDINATE TREE TRIMMING WITH UI AND THE ENGINEER.

12. ALL CONDUIT PENETRATION THROUGH SALT SHED WALLS SHALL BE IN ACCORDANCE WITH DETAIL NO. 4 PROVIDED ON DRAWING NO. E-004.

13. THE CONTRACTOR SHALL FURNISH AND INSTALL CONDUITS, CONDUCTORS, PULL WIRES, WARNING TAPE AND ALL TRENCHING AND BACKFILLING ASSOCIATED WITH THE INSTALLATION OF ALL UNDERGROUND CONDUITS AS CALLED FOR ON THE PLANS AND IN ACCORDANCE WITH THE CONDUIT INSTALLATION DETAIL NO. 2 PROVIDED ON DRAWING NO. E-004. THE CONTRACTOR SHALL PROVIDE CONTINUOUS NYLON PULL ROPE IN ALL SPARE UNDERGROUND CONDUITS WITH NO KNOTS OR SPLICES.

14. EXCAVATION OF ANY TYPE SHALL BE ACCOMPLISHED SO THAT THE EXISTING UNDERGROUND UTILITIES OR STRUCTURES ARE NOT DAMAGED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY FOR ANY DAMAGE COSTS RELATED TO THE REPAIR OF DAMAGED UTILITIES. ANY REPAIRS SHALL BE BORNE BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE STATE. THE CONTRACTOR MUST ANTICIPATE POTENTIAL DELAYS CAUSED BY UTILITY WORK AND SCHEDULE THE CONSTRUCTION ACCORDINGLY. CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" PRIOR TO CONSTRUCTION AND BEFORE ANY EXCAVATION TAKES PLACE.

15. INSTALL CENTER OF LUMINAIRE FOUNDATION THREE FEET FROM BACK EDGE OF CURBING OR EDGE OF PAVEMENT. SET FOUNDATION SO THAT TOP SURFACE OF FOUNDATION REMAINS 1 IN. ABOVE THE SURROUNDING FINISH GRADE.

16. LUMINAIRE POLE SHALL BE BONDED BETWEEN BONDING LUG PROVIDED AT THE BASE OF POLE AND GROUNDING ELECTRODE INSTALLED THROUGH EACH LUMINAIRE FOUNDATION. REFER TO DETAIL NO. 4 ON DRAWING NO. E-005.

17. CONTRACTOR SHALL CONTACT DOT SALT SHED SUPERVISOR TO COORDINATE THE AIMING OF THE LIGHT FIXTURES FOR THE SAND PILE. AIMING SHALL BE PERFORMED IN THE EVENING IN THE DARK. FIXTURES SHALL BE AIMED TO COVER THE INTENDED WORK AREA WHILE MINIMIZING LIGHT TRESPASSING INTO ROADWAYS.

18. INSTALL PHOTOELECTRIC CONTROL FOR SITE LIGHTING. THE CONTRACTOR SHALL INSTALL TWO (2) POSITION CONTROL (AUTO AND MANUAL) IN THE SALT SHED. ATTACH PHOTO EYE WITHOUT PENETRATING THROUGH THE ROOF. REFER TO DETAIL NO. 3 ON DRAWING NO. E-003 FOR FURTHER INSTALLATION INFORMATION.

19. ALL CONDUIT INSTALLED WITHIN THE SALT SHED SHALL BE PVC OR PVC COATED TYPE CONDUIT. CONDUIT ABOVE 10 FEET ELEVATION SHALL BE PVC AND CONDUIT BELOW 10 FEET ELEVATION SHALL BE PVC COATED. ALL HARDWARE AND C- CHANNELS SHALL BE STAINLESS STEEL.

20. ALL SALT SHED RACEWAYS, JUNCTION BOXES, AND ENCLOSURES SHALL BE NEMA RATED FOR CORROSION RESISTANCE.

FINAL DESIGN REVIEW

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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-	-	-	-
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THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 4/21/2011

DESIGNER/DRAFTER: **SKW**

CHECKED BY: **JMK**

SCALE IN FEET 0 20 40

SCALE 1"=20'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\FD_MSH_ELE_092_0549_E002.dgn

SIGNATURE/ BLOCK: **OFFICE OF ENGINEERING**

APPROVED BY: DATE:

THEODORE H. NEZAMES, P.E.

PROJECT TITLE: **SEA STREET SALT STORAGE FACILITY**

TOWN: **NEW HAVEN**

DRAWING TITLE: **ELECTRICAL SITE PLAN**

PROJECT NO. **92-549**

DRAWING NO. **E-002**

SHEET NO. **S**