

ADDENDUM #2

HIGHLAND 1,000,000 GALLON ELEVATED WATER STORAGE TANK

City of Duluth, Minnesota

SUBMITTAL CERTIFICATION

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Print Name: Mark D. Wallis, P.E.

Signature: *Mark D. Wallis*

Date: 6/25/2010 License #: 19145



**ADDENDUM #2
HIGHLAND 1,000,000 GALLON ELEVATED WATER STORAGE TANK
CITY OF DULUTH
PROJECT 0768WA
BID NUMBER 10-0314
JUNE 25, 2010**

NOTICE

Page 2 of 5

This Addendum is issued to modify, explain or correct the original drawings, specifications and/or previous addendums and is hereby made a part of the Contract Documents. Please attach this Addendum to the specifications in your possession and note receipt of this Addendum on page 00 41 00-2 of the bid. The bid date remains unchanged.

CHANGES TO PRIOR ADDENDUM

ADDENDUM 1

DIVISION 33 – UTILITIES

Section 33 16 19-7, Part 2, Paragraph 2.03.E, Item 2

ADD “Provide a landing in the access tube extension to facilitate exit from the door, and access to offset ladder and fall-protection system to top of access tube and exit from hatch on top of access tube.”

PROJECT MANUAL

SPECIAL PROVISIONS

Page 8

ADD SP-40 Regulated Materials Plan

Portions of the soil on the Site are contaminated and contain hazardous materials. Remediate and remove contaminated soil conforming to the requirements of Sections 02 55 00 and 02 16 13. Protect contaminated soil from disturbance and cover to prevent contact with equipment or workers.

DIVISION 02 - EXISTING CONDITIONS

Section 02 55 00 Remediation Soil Stabilization

Section 02 55 00-3, Part 1, Paragraph 1.05.B

ADD The words “Engineer will prepare the post-treatment clean-up and sampling plan.”

DIVISION 33 – UTILITIES

Section 33 16 19 Elevated Water Reservoir – Spheroid

Section 33 16 19-5, Part 2, Paragraph 2.03.A.8

REPLACE Item 8 with the following:

8. Design loads: Conform to AWWA D100 and specified antenna loads.

Page 33 16 19-15, Paragraph 3.14.A

REPLACE The words “one year” with “two years.”

Page 33 16 19-15, Article 3.14.B

DELETE Paragraph B in its entirety.

DRAWINGS

SHEET No. A1.1, FLOOR PLAN

Floor Plan: Reference the attached Sheet No. AD2-1 of 1, dated 6/23/10, for revisions to the Floor Plan. The following is a written description of the changes.

- ADD** Exhaust fan on west wall of Generator Room 102. Fan shall be Greenheck CW-095-D (or equal by Acme, Cook or Penn), 760 CFM at 0.13" SP, with speed control for balancing. Damper shall be Greenheck VCD-34 (or equal). Actuator shall be Belimo power open, spring close. Fan shall be activated when thermostat calls for cooling. Damper shall be 100% open when fan is activated.
- ADD** Prefinished louver on south wall of Generator Room 102. Louver shall be Greenheck EDJ-202 (or equal by Carnes, Cesco, Greenheck, or Ruskin), 24" wide by 24" high, Kynar 500 finish in manufacturer standard color. Damper shall be Greenheck VCD-34. Actuator shall be Belimo power open, spring close. Damper shall open 100% when either fan or generator is activated.
- ADD** Thermostat shall be mounted 4'-0" AFF where shown. Thermostat shall be cooling type, 3-5 degree F range, 65-100 degree set point range.
- ADD** Existing generator shall be relocated – see Electrical. Relocate existing duct and wall hood.

SHEET No. A-3, DETAILS

Detail 10/A-3: Eave Wall Section

- CHANGE** Top of footing elevation shall be 94'-2", not 95'-0".

SHEET No. E-2

- REPLACE** Plan Note No.1 with the following: "1. #4/0 Bare Copper Ground Conductor bonded to ground rods installed every 10' around radio building. Connect to ground bar in antenna cable chase, refer to one-line diagram."

ADD Plan Note No.5 as follows: "5. #4/0 Bare Copper Ground Conductor bonded to three ground rods separated by 15'. Connect to ground bar in antenna cable chase, refer to one-line diagram."

ADD Reference to Plan Note No.5 pointing to the three ground rods shown in the northwest quadrant of the EST base.

SHEET No. E-4

REPLACE Plan Note No.7 with the following: "7. Install Owner provided generator. Provided new exhaust piping, exhaust wall thimble, and fuel system per all applicable code requirements, refer to one-line diagram."

ADD Branch circuit connection from LP-A (38) for exhaust fan, inlet damper operator, and outlet damper operator in generator room. Exhaust fan in outlet damper shall be located directly above the generator and the inlet damper shall be located on the west wall adjacent to the generator.

MOVE Exterior telecommunication equipment on the south side of the radio building, identified by plan notes No.9 and No.10, five feet to the west and re-route conduits accordingly.

MOVE Automatic transfer switch, main disconnect switch, and panel LP-A from the generator room to a new location immediately to the east of the telecommunications backboard, identified by Plan Note No.8, in the radio equipment room. Move exterior metering equipment to the east to line up with the new main disconnect switch location.

SHEET No. E-5

REPLACE Plan Note No.4 with the following: "4. Provide and install new Cummins/Onan Model RSS200-6635 residential grade automatic transfer switch or equivalent complete with 2A battery trickle charger."

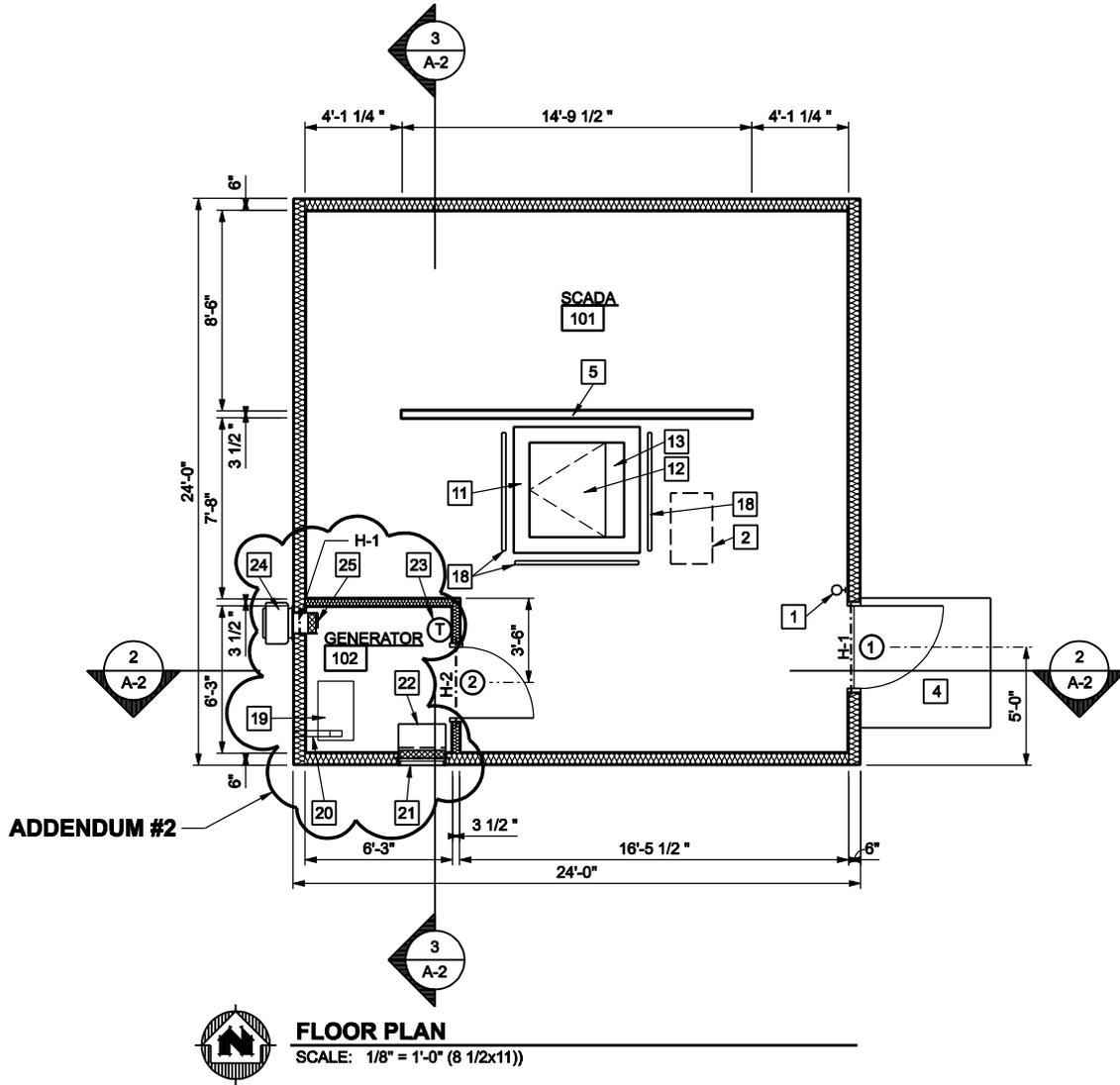
REPLACE Plan Note No.5 with the following: "5. New generator provided by owner and installed by contractor. Assume Cummins/Onan RS12000 12kW natural gas fueled generator. Provide exhaust piping, fuel system, and installation per manufacturer's instructions and all applicable codes."

CHANGE Feeder between generator and 200A automatic transfer switch from "19" to "9".

END OF ADDENDUM

BOX NOTES

- 19 EXISTING GENERATOR TO BE RELOCATED - SEE ELECTRICAL
- 20 EXISTING DUCT w/ WALL CAP - TO BE RELOCATED
- 21 PREFINISHED LOUVER w/ INSULATED ACTUATED DAMPER
TOP OF DAMPER AT 7'-3" AFF
- 22 24" WIDE x 12" DEEP GALVANIZED DUCT TO 12" AFF
- 23 THERMOSTAT LOCATION
- 24 WALL EXHAUST FAN w/ INSULATED ACTUATED DAMPER, TOP OF OPENING AT 7'-3" AFF
- 25 PROVIDE EXPANDED METAL INLET GRILLE (MIN 75% FREE AREA)



PARTIAL SHEET No. A1.1

**HIGHLAND 1,000,000 GALLON
ELEVATED WATER STORAGE TANK**

CITY PROJECT NO. 0768WA



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F.B.	PROJECT	00616022
DRAWN BY	CJW	DATE 06/23/10
CHECKED BY	AJS	

SHEET No.
AD2-1 of 1