ADDENDUM NUMBER ONE (1)

Date: **October 04, 2018**

Project: **Crownpoint Medical Gas Upgrade Design**
Contract No. HSSI161201200003I
Hwy Junction 57, Route 9
Crownpoint, NM 87313

Owner: **Department of Health and Human Services**
Indian Health Service (IHS)
Office of Environmental Health and Engineering
Navajo Area Office
Highway 264, St. Michaels, Arizona 86511

From: **Rock Gap Engineering LLC**
3737 Princeton NE Suite 100
Albuquerque, New Mexico 87107-4205
TEL: (505) 344-2366
FAX: (505) 213-0563

To: **Prospective Bidders**

This Addendum forms a part of the Contract Documents and modifies the original "Issued for Construction" Documents dated August 8, 2018 as noted below. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of (2) pages plus (1) attached Revised Drawing.

1. NOTICE TO BIDDERS:

1.1 This Addendum is issued to all registered plan holders pursuant to the instructions to bidders and Conditions of the contract.

2. REVISIONS TO PREVIOUS ADDENDA:

1.1 None.

3. CHANGES TO PROCUREMENT REQUIREMENTS AND CONTRACTING REQUIREMENTS:

3.1 None.

4. CHANGES TO DRAWINGS:

4.1 SHEET MG-1 General Notes and Medical Equipment Schedules

A. REVISE Medical Gas General Note ‘P’ as follows:

1. “CONTRACTOR SHALL RE-LABEL ALL MEDICAL GAS PIPING ABOVE CEILING TO COMPLY WITH NFPA 99. GAS PIPE LABELS SHALL BE SPACED NO FURTHER THAN 20 FEET, AND ON BOTH SIDES OF SEPARATION WALLS.”

4.2 SHEET MG-5 MECHANICAL ROOM PIPING PLAN AND BULK OXYGEN STORAGE PLAN

A. REVISE Drawing as noted on attached sheet.

1. Add keyed note D as follows:

   a. PROVIDE SIGN ON FENCE AROUND BULK TANK, 4 PLACES. SIGN TO READ “NO SMOKING, NO OPEN FLAMES, OXYGEN”

2. Add keyed note E as follows:

   a. PROVIDE SIGN ON EMERGENCY OXYGEN FILL CONNECTION. SIGN TO READ “EMERGENCY OXYGEN FILL CONNECTION”

3. Add keyed note F as follows:

   a. INSTALL UNISTRUT FRAME ON GROUND TO ELEVATE GAS BOTTLES 4” A.F.G. FRAME TO BE BOLTED STEEL, UNISTRUT P6000 OR EQUAL. COAT FRAME WITH AIR-DRY ENAMEL COATING. COLOR TO BE BLACK OR AS COORDINATED WITH OWNER. MODIFY PIPING FROM TANK TO HEADER FOR TANK HEIGHT CHANGE.

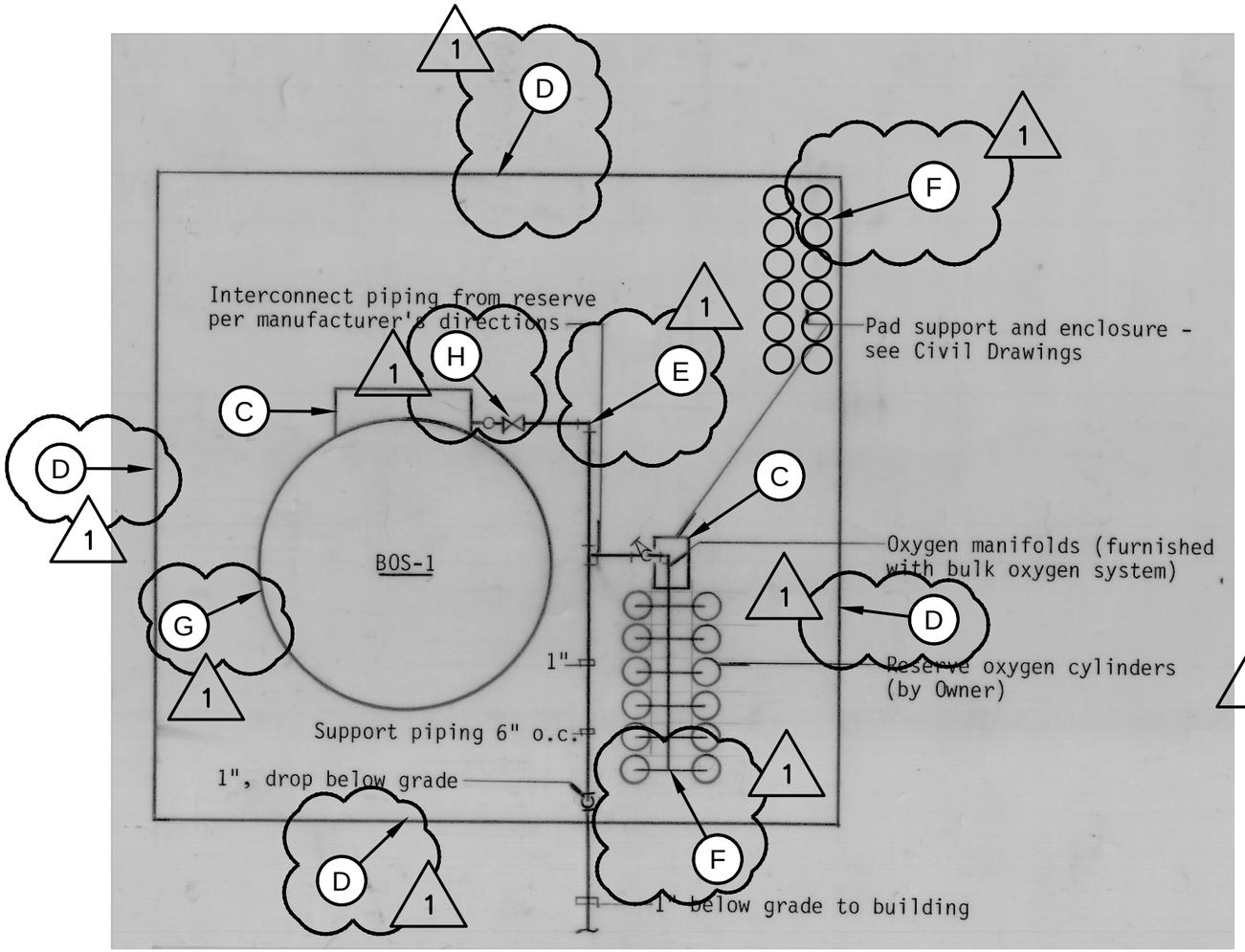
4. Add keyed note G as follows:

   a. PROVIDE ANCHORAGE BOLTS FOR BULK OXYGEN STORAGE TANK TO SLAB. CONTRACTOR TO COORDINATE WITH BULK TANK SUPPLIER FOR FIELD MODIFICATIONS TO TANK BASE FOR ATTACHMENT OF POST-INSTALLED ANCHORS IN SLAB.

5. Add keyed note H as follows:

   a. PROVIDE TAGS ON ALL SHUT-OFF VALVES AT BULK TANK. NUMBER EACH VALVE FOR LABELING IN OWNER PROVIDED SHUT-DOWN PROCEDURE.

End of Addendum



BULK OXYGEN STORAGE PLAN

SCALE: N.T.S.

NORTH

KEYED NOTES

A. EXISTING MEDICAL AIR COMPRESSOR SHALL BE REPLACED, REMOVE COMPLETE. REMOVE & REPLACE ALARM SENSORS FOR UNIT. REMOVE DOMESTIC WATER LINES AT EXISTING UNIT AND CAP AT MAINS. PROVIDE AND INSTALL NEW MEDICAL AIR COMPRESSOR PACKAGED UNIT (MAC-1). UNIT SHALL BE SKID MOUNTED AND LOCATED ON EXISTING HOUSEKEEPING PAD. INSTALL EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS AND DETAILS. PROVIDE AND INSTALL OUTSIDE AIR CONNECTIONS TO UNIT ACCORDING TO SECTION 5 OF NFPA 99. FURNISH NEW PIPING AND FITTINGS FOR UNIT CONNECTIONS TO EXISTING PIPING. PROVIDE SOURCE VALVE, PRESSURE REGULATORS, SIGNAGE PER NFPA 99, AND DRAIN TO MEET ALL REQUIRED CODE ITEMS. EXTEND LINE SIZE DRAINS TO FLOOR SINK LOCATED AT HOUSEKEEPING PAD. CONNECT NEW ALARMS TO MASTER ALARM LOCATED ON SHEET MG-4. COORDINATE FINAL EQUIPMENT LOCATION WITH MVP-1 TO MAINTAIN RECOMMENDED SERVICE CLEARANCES.

B. EXISTING MEDICAL VACUUM PUMP EQUIPMENT SHALL BE REPLACED, REMOVE COMPLETE. REMOVE & REPLACE ALARM SENSORS FOR UNIT. PROVIDE AND INSTALL NEW MEDICAL VACUUM PUMP PACKAGED UNIT (MVP-1). UNIT SHALL BE SKID MOUNTED AND LOCATED ON EXISTING HOUSEKEEPING PAD. INSTALL EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS AND DETAILS. PROVIDE AND INSTALL 1-1/2" EXHAUST PIPING AT BOTH BRAIDED FLEX CONNECTORS ON UNIT, MANIFOLD BOTH LINES TO A SINGLE STACK, RUN THROUGH ROOF, TURN DOWN AND SCREEN OPENING. GOOSENECK EXHAUST PIPE SHALL BE LOCATED 10'-0" AWAY FROM ALL AIR INTAKES ON ROOF. SEAL ROOF PENETRATION WEATHER TIGHT. FURNISH NEW 2" PIPING AND FITTINGS FOR CONNECTIONS TO EXISTING PIPE CONNECTIONS. INSTALL NEW ALARM SENSORS, BY PASS VALVE ASSEMBLY PER NFPA 99, AND SIGNAGE TO MEET ALL REQUIRED CODE ITEMS. CONNECT NEW ALARMS TO MASTER ALARM LOCATED ON SHEET MG-4. COORDINATE FINAL EQUIPMENT LOCATION WITH MAC-1 TO MAINTAIN RECOMMENDED SERVICE CLEARANCES.

C. EXISTING BULK OXYGEN STORAGE SHALL BE SERVICED BY CERTIFIED MEDICAL SYSTEMS TECHNICIAN. INSTALL NFPA COMPLIANT FINAL LINE ASSEMBLY. INSTALL REQUIRED PRESSURE SWITCH. INSTALL EMERGENCY OXYGEN SUPPLY CONNECTION (EOSC), FIELD VERIFY LOCATION AT TANK. INSTALL SOURCE VALVE TAG. INSTALL "IN USE" SWITCH AND RESERVE LOW PRESSURE SWITCHES. CONNECT TO MASTER ALARM PANEL LOCATED ON SHEET MG-4.

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D. PROVIDE SIGN ON FENCE AROUND BULK TANK, 4 PLACES. SIGN TO READ “NO SMOKING, NO OPEN FLAMES, OXYGEN”.

E. PROVIDE SIGN ON EMERGENCY OXYGEN FILL CONNECTION. SIGN TO READ “EMERGENCY OXYGEN FILL CONNECTION”.

F. INSTALL UNISTRUT FRAME ON GROUND TO ELEVATE GAS BOTTLES 4” A.F.G. FRAME TO BE BOLTED STEEL, UNISTRUT P6000 OR EQUAL. COAT FRAME WITH AIR-DRY ENAMEL COATING. COLOR TO BE BLACK OR AS COORDINATED WITH OWNER. MODIFY PIPING FROM TANK TO HEADER FOR TANK HEIGHT CHANGE.

G. PROVIDE ANCHORAGE BOLTS FOR BULK OXYGEN STORAGE TANK TO SLAB. CONTRACTOR TO COORDINATE WITH BULK TANK SUPPLIER FOR FIELD MODIFICATIONS TO TANK BASE FOR ATTACHMENT OF POST-INSTALLED ANCHORS IN SLAB.

H. PROVIDE TAGS ON ALL SHUT-OFF VALVES AT BULK TANK. NUMBER EACH VALVE FOR LABELING IN OWNER PROVIDED SHUT-DOWN PROCEDURE.

MG-5X

CROWNPOINT HEALTH CARE FACILITY
HWY JUNCTION 57, ROUTE 9 CROWNPOINT, NM 87313
MEDICAL GAS UPGRADE - DESIGN
PARTIAL ELECTRICAL POWER PLAN AND SCHEDULE

DEPARTMENT OF HEALTH AND HUMAN SERVICES
INDIAN HEALTH SERVICE
OFFICE OF ENVIRONMENTAL HEALTH AND ENGINEERING
ALBUQUERQUE AREA OFFICE
5300 Homestead Road NE Albuquerque, New Mexico 87110

INDIAN HEALTH SERVICE - PHS - 1955

REV	DATE	DESCRIPTION
1	10/4/18	AMENDMENT #01 - CHANGES TO DRAWINGS
0	08/10/18	100% MEDICAL GAS UPGRADE - DESIGN

APPROVED