CONSTRUCTION NOTES:

1. SURFACE RESTORATION NOTES:

2. IN ALLEY WAY AND HORSE PENs, SURFACE RESTORATION TO CONSIST OF 18 INCHES OF 4" MINUS PIT RUN MATERIAL MEETING SUB

EXCAVATION MAINTAINED IN EXISTING CONDITION OR TOPPED WITH 4 INCHES OF NATURAL FINES.

3. BASE COURSE MATERIAL PER MPWSS SECTION 02234, TOPPED WITH 4 INCHES OF NATURAL FINES MATERIAL (3/8" MINUS GRAVEL

OF AASHTO T-99 STANDARD). DO NOT COMPACT NATURAL FINES. ASSURE THAT AREAS DISTURBED OUTSIDE OF THE TRENCH

WITH APPROXIMATELY 10% SILT AND 10% CLAY AS BINDER MATERIAL). COMPACT ALL TRENCH BACKFILL INCLUDING PIT RUN TO 95%

AT PRESSURE TANK LOCATION COMPLETE BACKFILL OPERATION WITH 4 INCHES OF NATURAL FINES.

4. KEY NOTES:

5. NOTE: PROJECT TIME PERMITTED FOR BOREHOLE CONTROL, AND PROBING NOREW LOCATION TO KNOW

PRESSURE TANK, ACCESS TO A SHEET THAT DESCRIBES LOCATION OF EXISTING ELECTRICAL, VACANT AND LOCATION OF ONE-WAY

FOLLOW STRIPED PUSH AND FOLLOW CODES, AND RESPONSE.

6. CONSTRUCT IF A PIPING PERFORMANCE INSURANCE REQUIRED/ADDED TO EXISTING PRESSURE TANK AND

CONTROL VALVES AS REQUIRED.

7. INSTALL STEEL PIPE CONSTRUCTION, AS SPECIFIED, WITH PRESSURE TANK PERMITTED FOR BOREHOLE CONTROL, AND PROBING NOREW LOCATION TO KNOW

PRESSURE TANK LOCATION, ACCESS TO A SHEET THAT DESCRIBES LOCATION OF EXISTING ELECTRICAL, VACANT AND LOCATION OF ONE-WAY

FOLLOW STRIPED PUSH AND FOLLOW CODES, AND RESPONSE.

8. REMOVE PIPE HOE REDUCTION FOR CONSTRUCTION, AND CONSTRUCTION COMPLETE, INSTALL STEEL PIPE CONSTRUCTION, AS SPECIFIED, WITH PRESSURE TANK LOCATION, ACCESS TO A SHEET THAT DESCRIBES LOCATION OF EXISTING ELECTRICAL, VACANT AND LOCATION OF ONE-WAY

FOLLOW STRIPED PUSH AND FOLLOW CODES, AND RESPONSE.

9. REMOVE DISCONNECTS DURING CONSTRUCTION COMPLETE, INSTALL STEEL PIPE CONSTRUCTION, AS SPECIFIED, WITH PRESSURE TANK LOCATION, ACCESS TO A SHEET THAT DESCRIBES LOCATION OF EXISTING ELECTRICAL, VACANT AND LOCATION OF ONE-WAY

FOLLOW STRIPED PUSH AND FOLLOW CODES, AND RESPONSE.
SURFACE RESTORATION NOTES:

- Reference LANL, Department of Energy, Environmental Management, National Nuclear Security Administration, and the State of New Mexico for guidance.
- Contamination control procedures and cleaning guidelines are detailed in the following manuals:

- Contaminated materials must be disposed of properly.
- All work areas must be cleaned and decontaminated upon completion.

HEAT TRACE NOTES:

- The installation of heat trace is intended to protect water pipes and tanks from freezing. Older systems may be incompatible with this method and require a system upgrade.
- Temperature sensors must be placed at strategic points to monitor the water temperature.
- Electrical panels must be compatible with the heat trace system.

HEATER NOTES:

- Water heater and heater notes are detailed in the manufacturer's manual.
- Installation must follow all safety guidelines.

MIDDLE WATERER

- Heater & Heat

SOUTH WATERER

- Trace

EXISTING

- Horse Barn
- Existing condition or topped with 4 inches of natural fines.

BINDER MATERIAL). COMPACT ALL TRENCH BACKFILL INCLUDING PIT RUN TO 95% MATERIAL (3/8" minus gravel with approximately 10% silt and 10% clay as per MPWSS Section 02234, topped with 4 inches of natural fines.

PROPOSED PRESSURE TANK LOCATION

- Provide all required accessories for a complete & functional heat trace.
- Route associated temperature sensor to exterior of barn.
- Provide 120V electronic thermostat (RAYCHEM MODEL EC-TS) for control of heat trace.
- System installation, including power connection/end seals (RAYCHEM MODEL AT-180).
- Insulate and seal the terminals with one rated for at least 75 degrees C.

- Provide new 120V GFCI convenience receptacle, light switch, and 5" surface light fixture inside new interior room in horse barn.
- Circuit from main panel.
- Provide (2) #12 CU, #12 CU GND in 1/2" conduit for feeder.
- Provide new 120V GFCI convenience receptacle. Light switch. And 5" surface light fixture.

- Masonry and drywall milling and cutting, sidewalks, driveways, and landscaping.
- Provide new 120V GFCI convenience receptacle, light switch, and 5" surface light fixture.
- Circuit from main panel.
- Provide (2) #12 CU, #12 CU GND in 1/2" conduit for feeder.

- Remove existing electrical wiring and control box from vault for relocation to new access at 120V.
- Provide new #12 CU, #12 CU GND in 1/2" conduit for feeder.
- Provide new 120V GFCI convenience receptacle, light switch, and 5" surface light fixture.
- Circuit from main panel.
- Provide (2) #12 CU, #12 CU GND in 1/2" conduit for feeder.

- Surface installation and electrical wiring and control,包括所有电气设备。
- 120V electrical panel.
- Electrical panel.
- Electrical panel.
- Electrical panel.
- Electrical panel.

- All work will be performed in accordance with NECA 1 "STANDARD PRACTICES FOR GOOD WORKMANSHIP IN ELECTRICAL CONTRACTING." THIS PUBLICATION IS AVAILABLE FROM NECA BY TELEPHONE AT 301-657-3110 OR ONLINE AT WWW.NECANET.ORG.

- Required.
NOTE:

SEE SPECIFICATIONS FOR BID ALTERNATE NO. 1- WATERER SHUT-OFF VALVES.