

SITE ENGINEER:



CIVIL ENGINEERING ASSOCIATES, INC.
10 MANSFIELD VIEW LANE, SOUTH BURLINGTON, VT 05403
802-864-2323 FAX: 802-864-2271 web: www.cca-vt.com

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DRAWN

SAL

CHECKED

DSM

APPROVED

DSM

OWNER:

**HAYSTACK
CROSSING, LLC**
c/o JOSEPH BISSONETTE

68 RANDALL STREET
SOUTH BURLINGTON, VT 05403

APPLICANT:

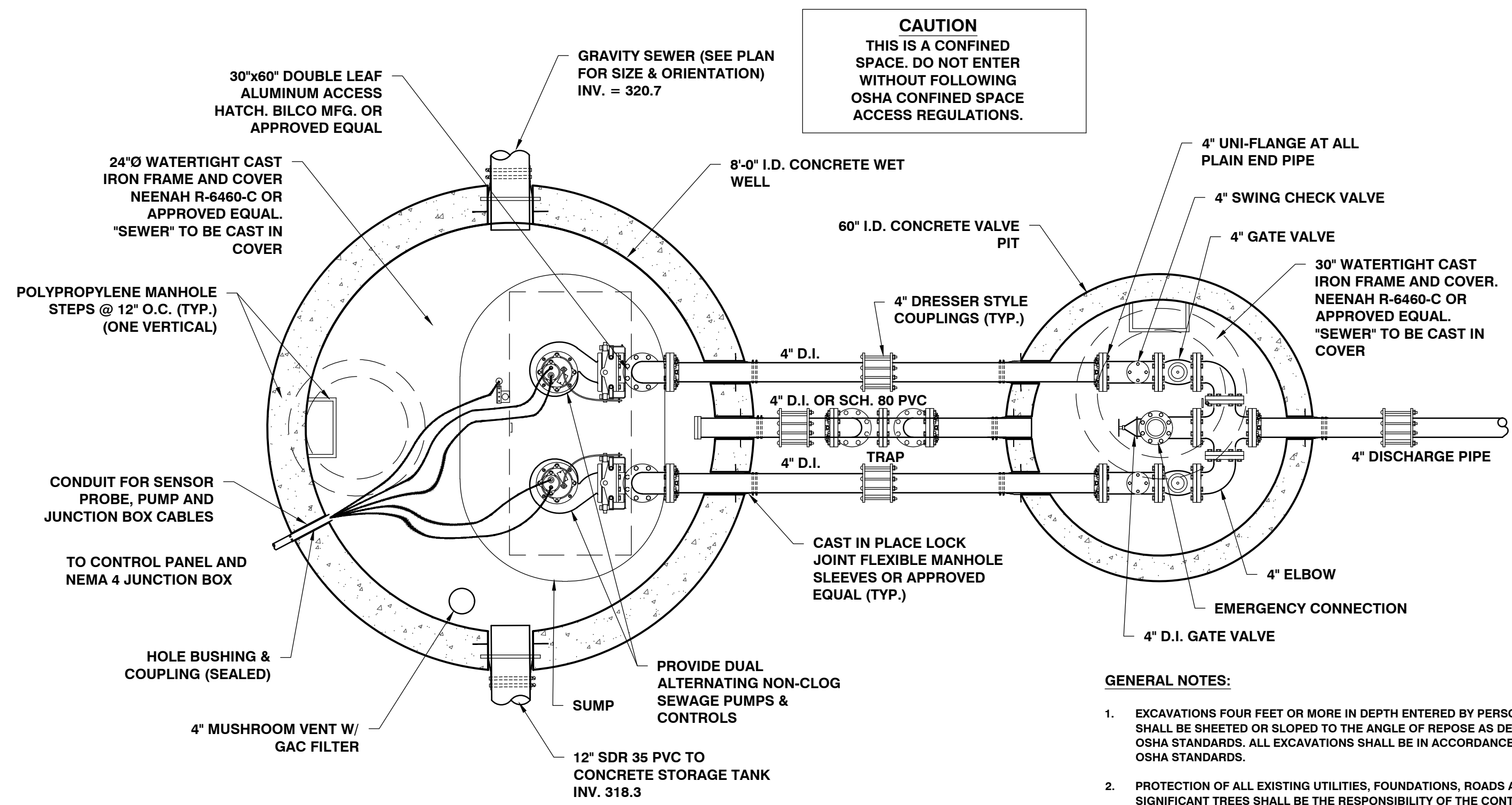
**BLACKROCK
CONSTRUCTION, LLC**

68 RANDALL STREET
SOUTH BURLINGTON, VT 05403

PROJECT:

**HAYSTACK
CROSSING**

SHELBURNE FALLS ROAD
VERMONT ROUTE 116
HINESBURG, VERMONT 05461

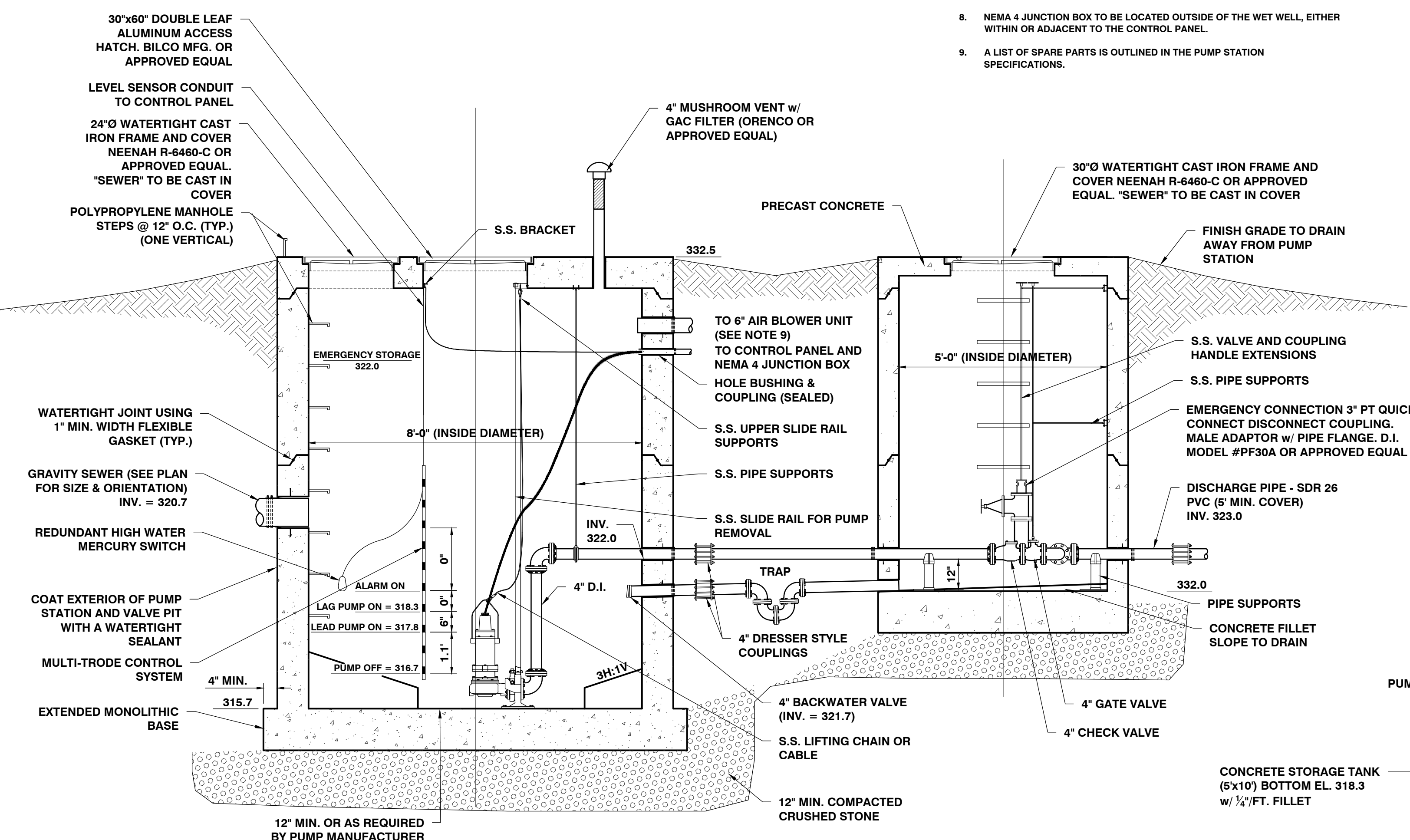


PUMP STATION & VALVE PIT PLAN
NTS

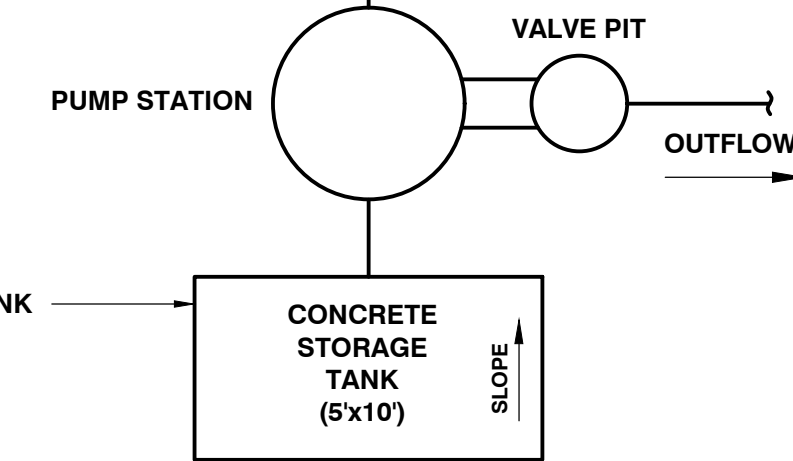
- CAUTION**
THIS IS A CONFINED SPACE. DO NOT ENTER WITHOUT FOLLOWING OSHA CONFINED SPACE ACCESS REGULATIONS.
- GENERAL NOTES:**
- EXCAVATIONS FOUR FEET OR MORE IN DEPTH ENTERED BY PERSONNEL SHALL BE SHEETED OR SLOPED TO THE ANGLE OF REPOSE AS DEFINED BY OSHA STANDARDS. ALL EXCAVATIONS SHALL BE IN ACCORDANCE WITH OSHA STANDARDS.
 - PROTECTION OF ALL EXISTING UTILITIES, FOUNDATIONS, ROADS AND SIGNIFICANT TREES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
 - ALL SURFACE DRAINAGE SHOULD BE DIVERTED AROUND THE WET WELL AND VALVE PIT.
 - ELECTRICAL SERVICE TO THE PUMP STATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
 - UNLESS OTHERWISE INDICATED ON THE PLANS, ALL DISTURBED AREAS SHALL BE RESTORED TO AT LEAST THE ORIGINAL CONDITIONS.
 - THE CONTRACTOR SHALL PROVIDE ALL FITTINGS, COUPLINGS AND APPURTENANCES TO PROVIDE A COMPLETE AND OPERABLE SYSTEM.
 - SHORING, BRACING OR DEWATERING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND INCLUDED IN THE CONTRACT BID.
 - NEMA 4 JUNCTION BOX TO BE LOCATED OUTSIDE OF THE WET WELL, EITHER WITHIN OR ADJACENT TO THE CONTROL PANEL.
 - A LIST OF SPARE PARTS IS OUTLINED IN THE PUMP STATION SPECIFICATIONS.

CONTROL PANEL REQUIREMENTS

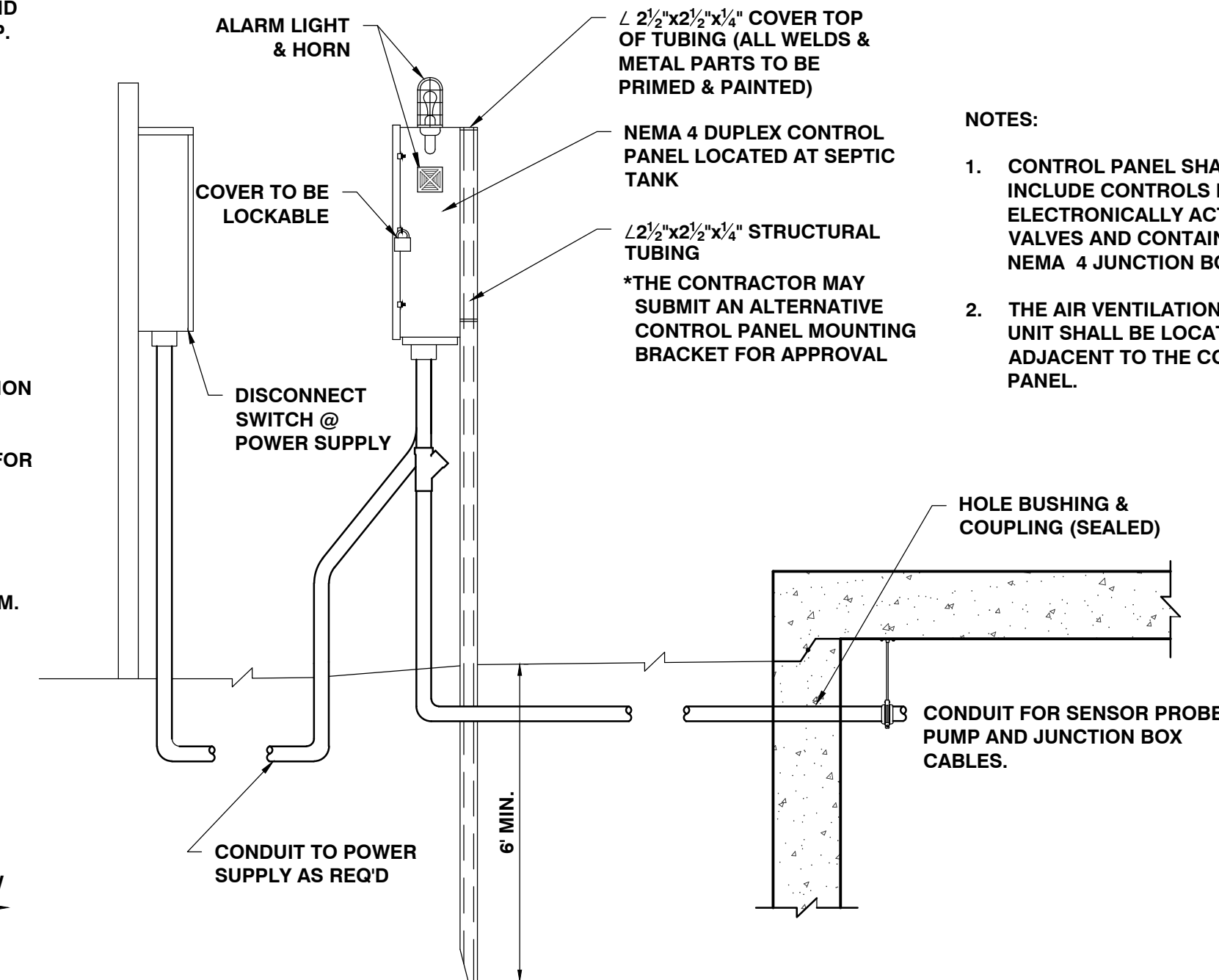
- UL LISTED NEMA 4 ENCLOSURE,
- THE PANEL SHALL BE COMPATIBLE WITH THE PUMPS.
- EACH PUMP SHALL BE SUPPLIED WITH A RUN LIGHT, HAND-OFF-AUTO SWITCH, ELAPSED TIME METER, CIRCUIT BREAKER, LIGHTING SUPPRESSOR, PHASE LOSS CIRCUITRY, SEAL FAIL INDICATOR LIGHT MAGNETIC CONTACTOR, AND MAIN CIRCUIT BREAKER.
- ALARM INDICATION - ALARM LIGHT AND HORN (OR BELL) w/ BATTERY BACK-UP. THE AUDIO ALARM SHALL HAVE AN AUTOMATICALLY RESETTING MANUAL SILENCE SWITCH AND MANUAL TEST SWITCH.
- ALARM ACTIVATION - PUMP FAILURE HIGH WATER LOW WATER
- PANEL SHALL ACTIVATE A NORMALLY OPEN SOLENOID VALVE TO CLOSE DURING A PUMPING CYCLE.
- ALL COMPONENTS SHALL BE EXPLOSION PROOF.
- DOUBLE THROW SWITCH WITH PLUG FOR CITY'S PORTABLE GENERATOR.
- 110V OUTLETS.
- TELEMETRY SYSTEM WITH BATTERY BACK-UP TIED INTO THE TOWN SYSTEM.



PUMP STATION & VALVE PIT SECTION
NTS



PUMP STATION & HOLDING TANK SCHEMATIC
NTS



CONTROL PANEL INSTALLATION
NTS

- NOTES:**
- CONTROL PANEL SHALL ALSO INCLUDE CONTROLS FOR THE ELECTRONICALLY ACTIVATED VALVES AND CONTAIN THE NEMA 4 JUNCTION BOX
 - THE AIR VENTILATION BLOWER UNIT SHALL BE LOCATED ADJACENT TO THE CONTROL PANEL.

DATE	CHECKED	REVISION
11/22/19	DSM	TOWN RESUBMITTAL
1/10/20	DSM	UPDATE PER TOWN COMMENTS
3/4/22	DSM	REV. PER CONDITIONS OF APPROVAL

**PUMP STATION
DETAILS**

DATE
OCT. 4, 2019

SCALE
AS SHOWN

PROJ. NO.
13127

DRAWING NUMBER

C9.8