

ADDENDUM TWO (2)

TO THE BIDDING DOCUMENTS, CONTRACT DOCUMENTS, SPECIFICATIONS FOR:

Project: A Multi-purpose Facility for: Manna Fellowship Church
17617 S. State Route 291
Pleasant Hill, Missouri 64080

Project No.: 17-738

Date: 7/12/19

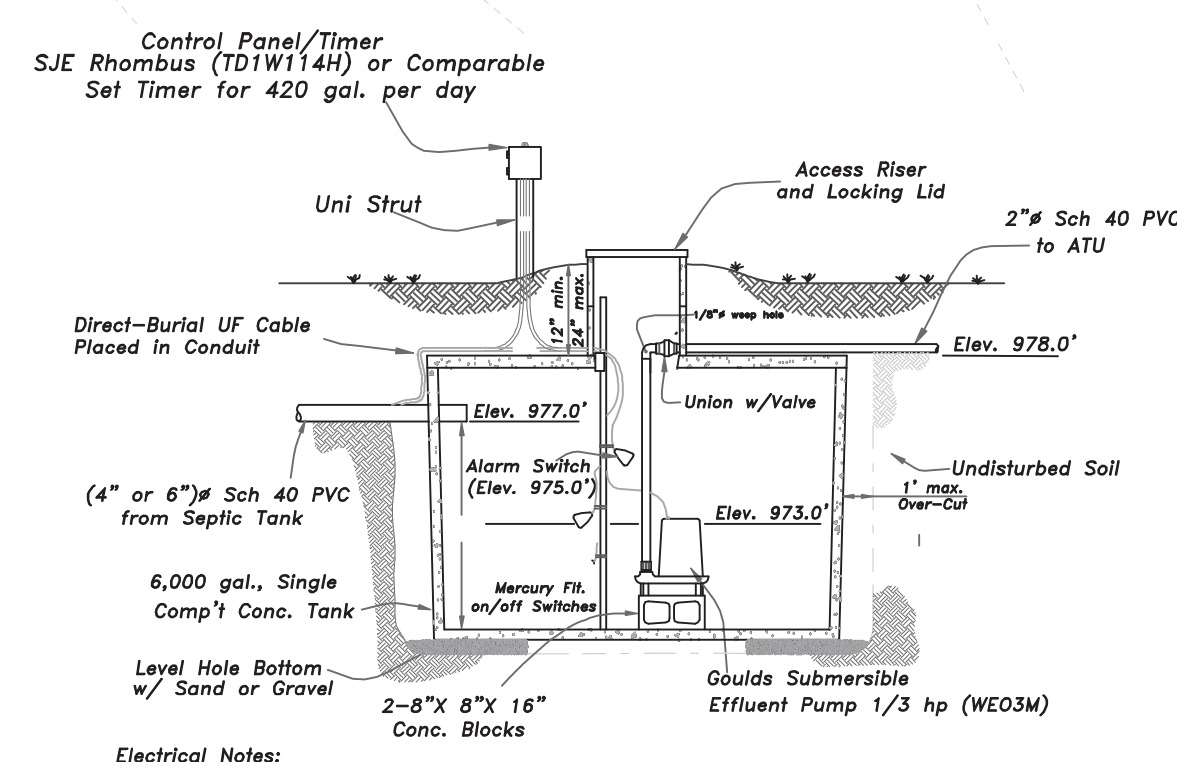
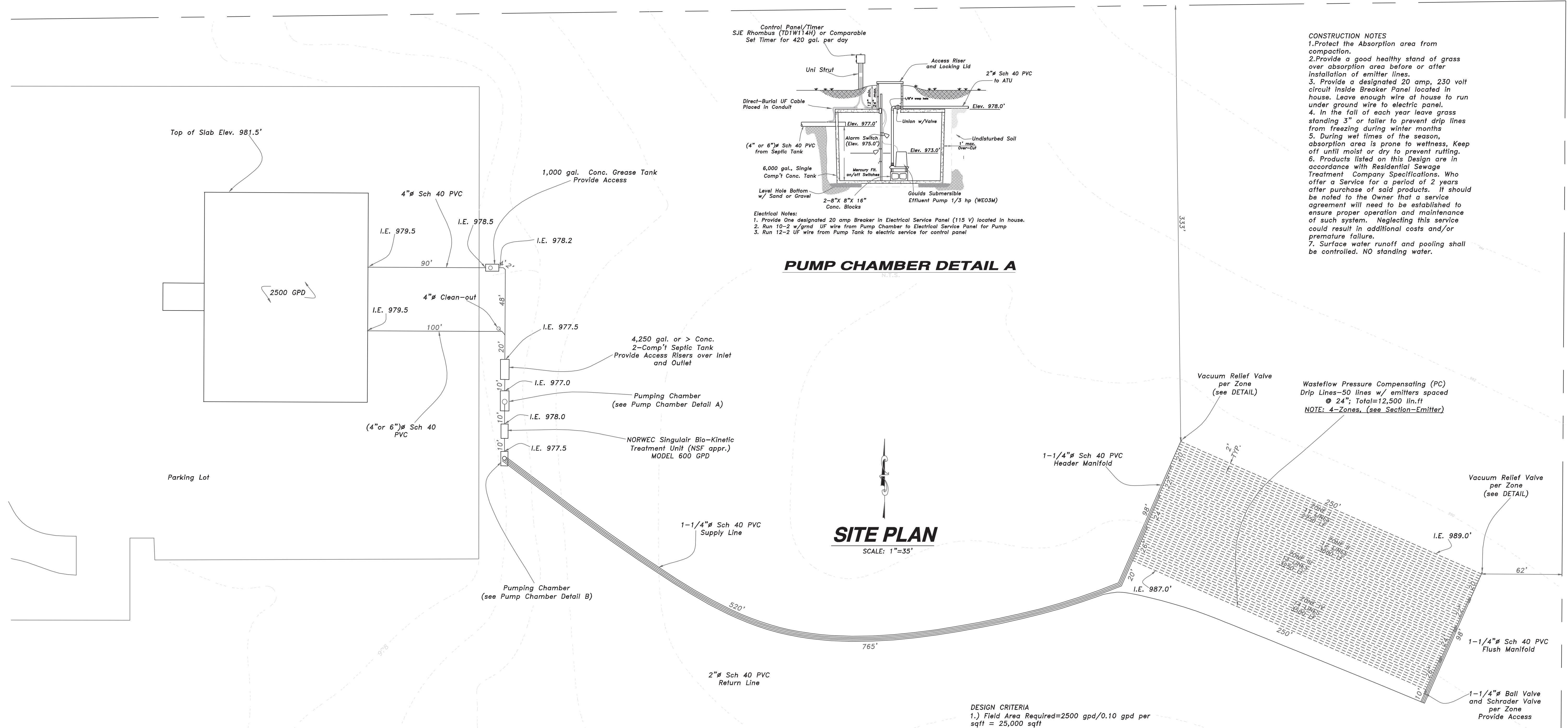
According to the Project Manual and drawings, dated 6/28/19

NOTICE TO GENERAL CONTRACTORS

Contractors bidding on the above described work are hereby notified that the Drawings and Project Manual, pursuant to which the work is to be done, have been amended as follows. The items are listed and refer to both Drawings and Project Manual as required to complete the work. Contractor to acknowledge receipt of Addendum immediately upon receipt.

ADDENDUM TWO (2) – ITEM ONE (1) – DRAWINGS –WASTEWATER DISPOSAL SYSTEM

The scope of work depicted on the attached Subsurface Drip Irrigation On-Site Waste Water Disposal System dated 6/10/19 shall be incorporated into the work.



CONSTRUCTION NOTES

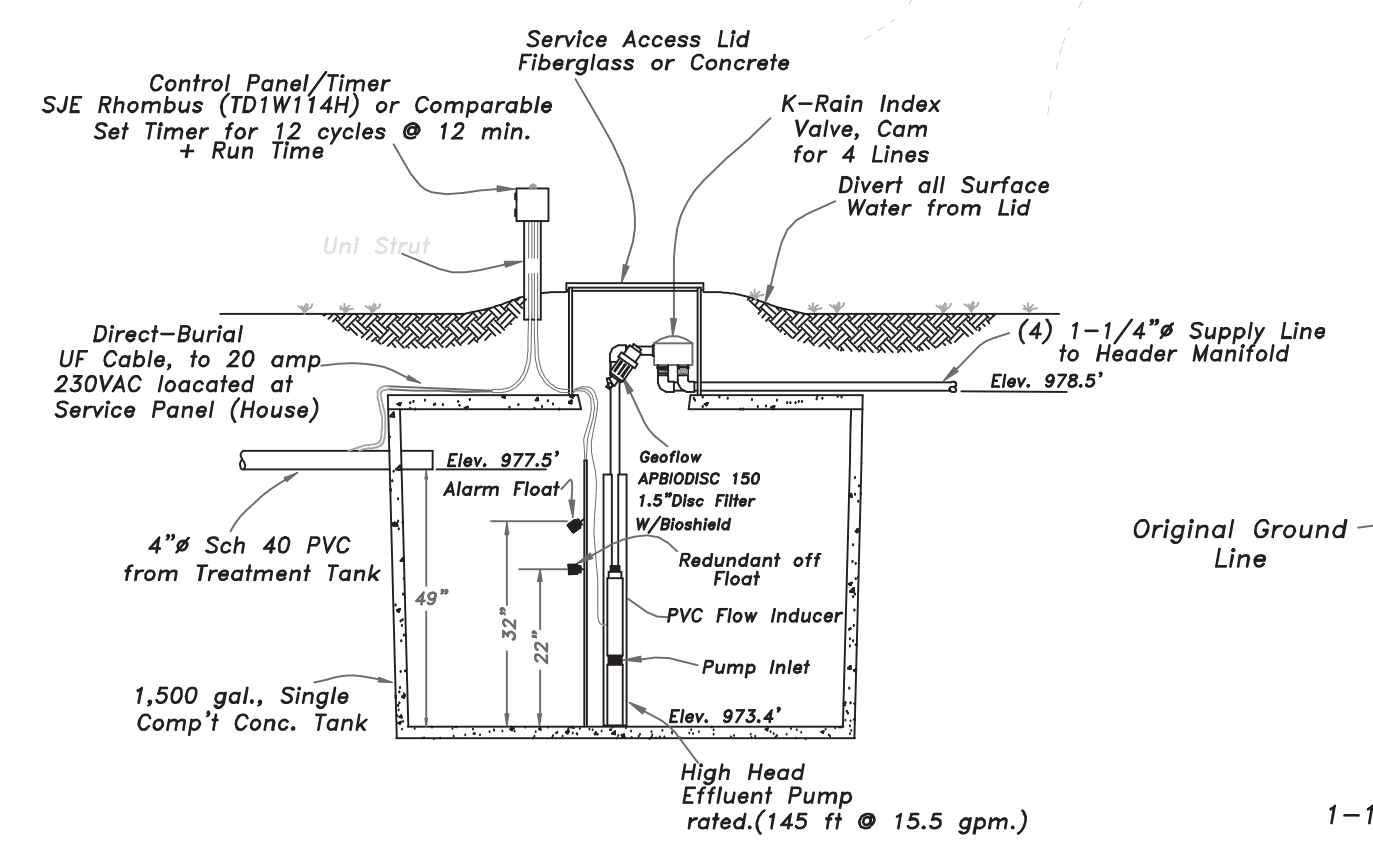
1. Protect the Absorption area from compaction.
2. Provide a good healthy stand of grass over absorption area before or after installation of emitter lines.
3. Provide a designated 20 amp, 230 volt circuit inside Breaker Panel located in house. Leave enough wire at house to run under ground wire to electric panel.
4. In the fall of each year leave grass standing 3" or taller to prevent drip lines from freezing during winter months.
5. During wet times of the season, absorption area is prone to wetness. Keep off until moist or dry to prevent rutting.
6. Products listed on this Design are in accordance with Residential Sewage Treatment Company Specifications. Who offer a Service for a period of 2 years after purchase of said products. It should be noted to the Owner that a service agreement will need to be established to ensure proper operation and maintenance of such system. Neglecting this service could result in additional costs and/or premature failure.
7. Surface water runoff and pooling shall be controlled. NO standing water.

SITE PLAN
SCALE: 1"=35'

DESIGN CRITERIA

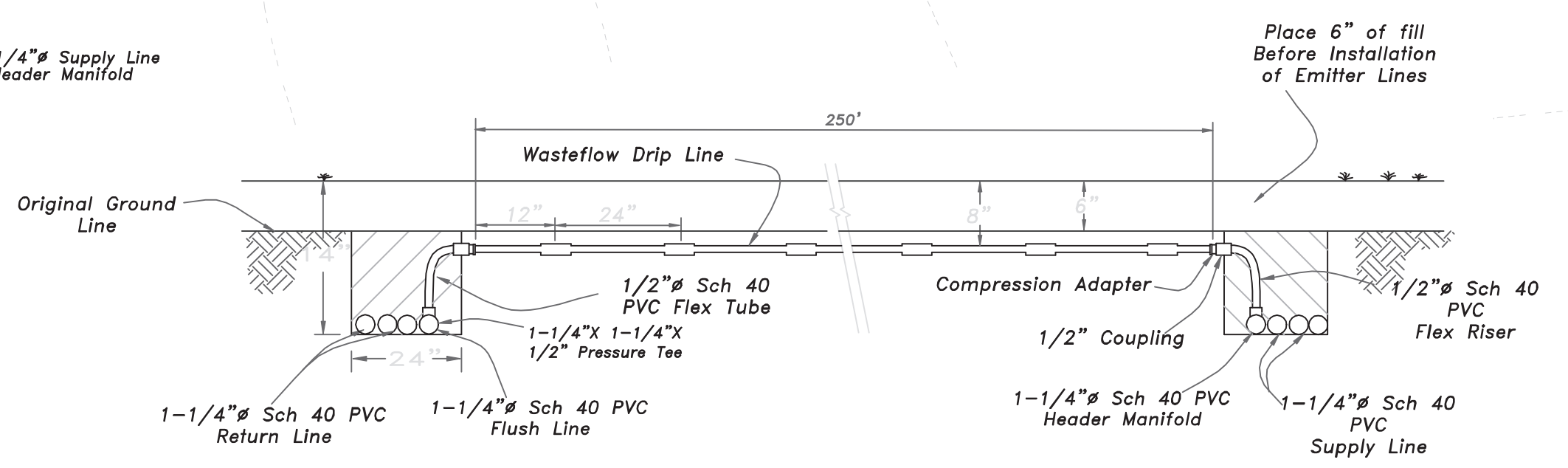
- 1.) Field Area Required=2500 gpd/0.10 gpd per sqft = 25,000 sqft
- 2.) Emitter Line Spacing=2ft
- 3.) Emitter Line Required = 25,000/2 = 12,500 ft
- 4.) Emitter Spacing = 24"
- 5.) Total Number of Emitters = 12,500/2 = 6250 emitters
- 6.) Emitter Flow Rate: 0.53GPH @ 20psi
- 7.) Total Flow = 6250*0.53*(1/60) = 55.2 GPM
- 8.) Total Flow for One Zone = 15.45 GPM
- 9.) Daily Pump Time for One Zone = 420/(12.1*12) = 3.0 minutes+Run Time

NOTE: Run Time= Time to reach top wasteflow drip line will be determined at time of Setup. These times shall be monitored for the first 6 months to obtain the optimum run time of the pump.



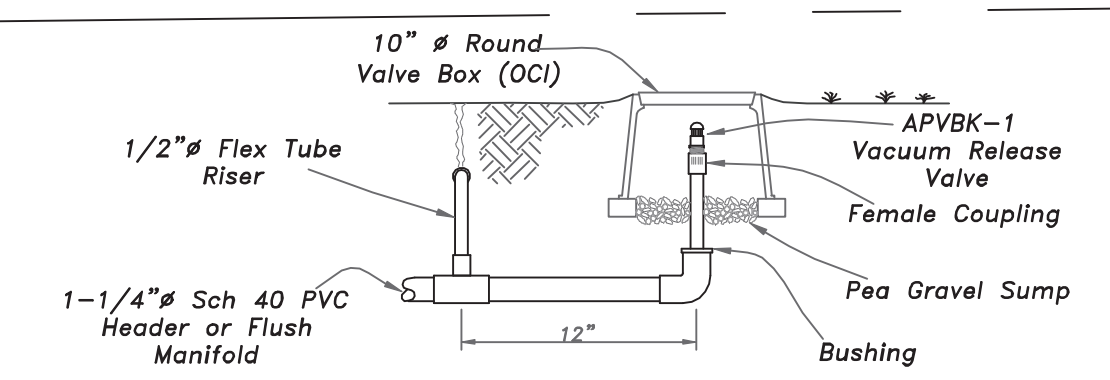
PUMP CHAMBER DETAIL B
N.T.S.

NOTE--Provide 230 volt w/ 20 amp breaker inside house.
-- Level Tank Hole w/ gravel
-- Provide Redundant on float



SECTION-EMITTER
N.T.S.

NOTE:
--USE VIBRATORY PLOW W/CHUTE TO INSTALL DRIP LINES.
--PERFORM EARTH WORK AND INSTALLATION WHEN SOIL IS MOIST OR DRY.



VACUUM RELIEF VALVE DETAIL
N.T.S.

NOTE: Where applicable, include 1-1/4" Ball Valve and Schrader Valve inside 10" Valve Box.

**SUBSURFACE DRIP IRRIGATION
ON-SITE WASTE WATER
DISPOSAL SYSTEM**

MANNA FELLOWSHIP CHURCH
17324 S. MO-291 HWIGHWAY, PLEASANT HILL

Environmental Resolutions
PO Box 631
Raymore, MO. 64083
(816) 331-1993

DATE: 6/10/19

Drawn By: DAN OWENS
Proj. No. 19-6-80

SECTION	TOWNSHIP	RANGE	COUNTY	STATE	REV.
17	46	31	CASS	MO	