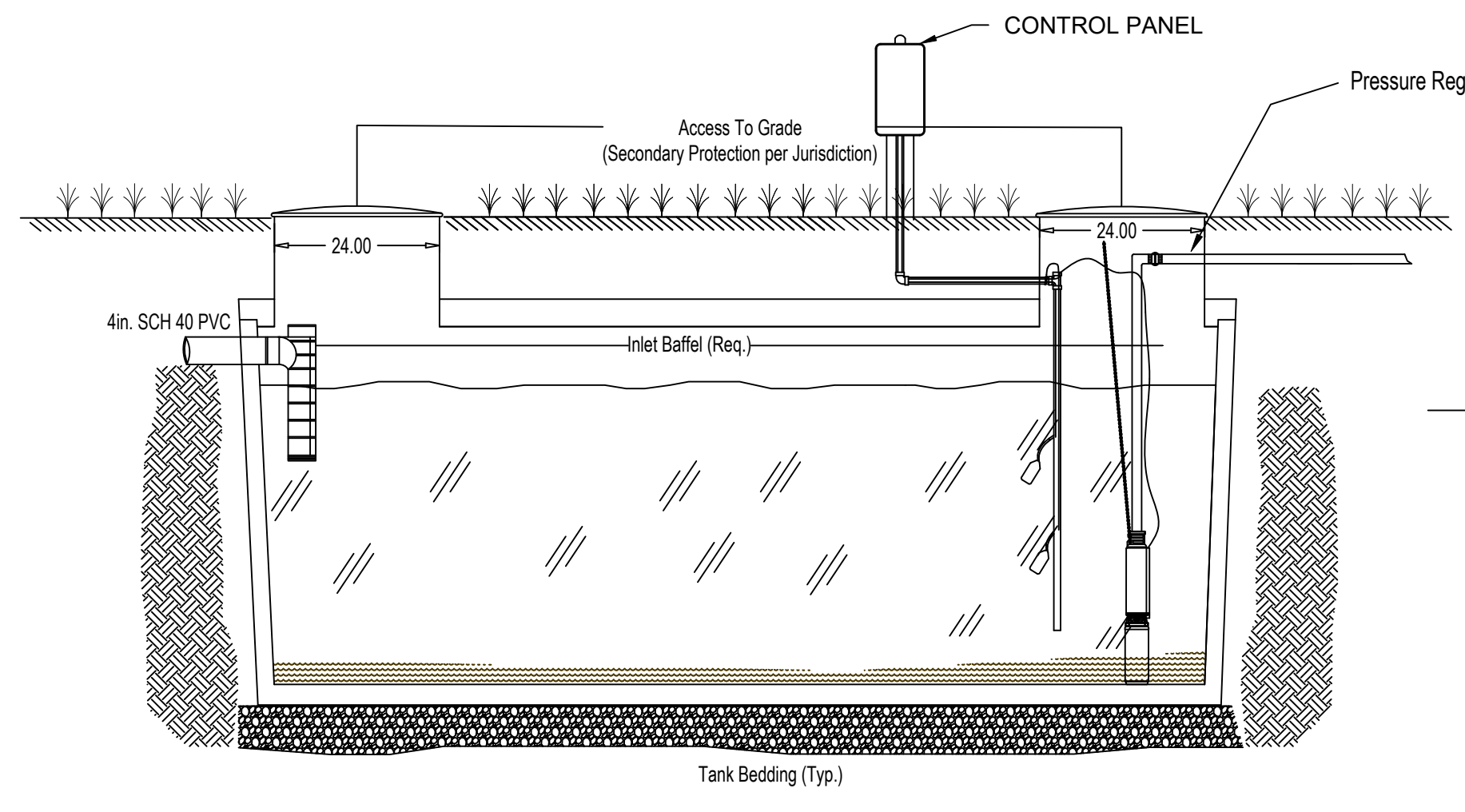


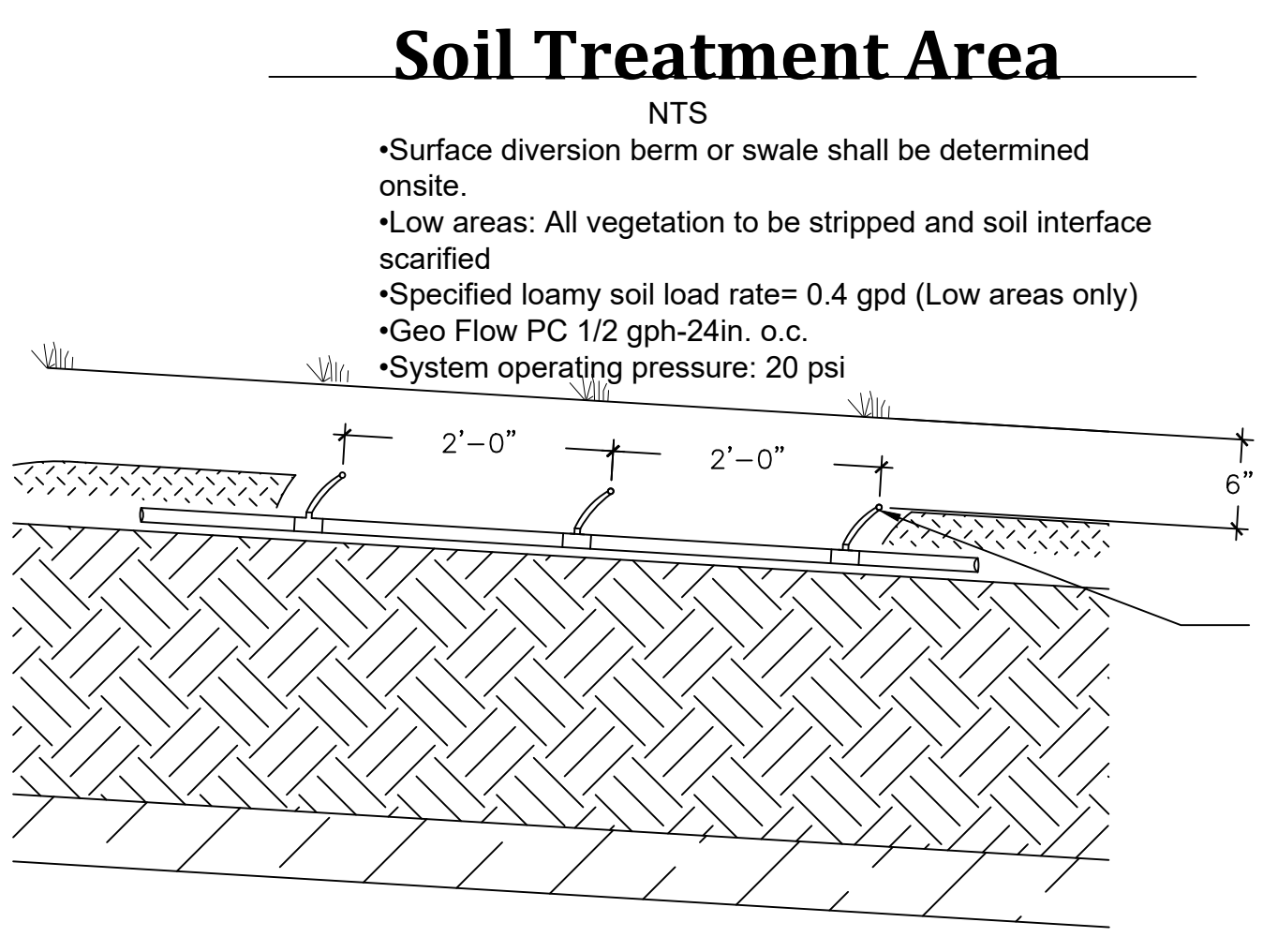
Treatment Unit

- NTS
- (1) 600gpd treatment unit housed in precast tank (or equal)
 - Compressor shall have dedicated circuits w/ audio/visual alarms to indicate operation.
 - Risers to have secured access to grade
 - Bi-Annual maintenance required.



Pump Tank Unit

- NTS
- (1)-1000 gallon single compartment pump tank
 - Provide two (2) 115v 20amp circuits for pump controls
 - High head turbine pump to sit in filter basket
 - 150 Micron filter shall be installed on the supply line
 - Field set dosing cycle per zone:
OFF= 3 hrs. ON=22 min.



Soil Treatment Area

- NTS
- Surface diversion berm or swale shall be determined onsite.
 - Low areas: All vegetation to be stripped and soil interface scarified
 - Specified loamy soil load rate= 0.4 gpd (Low areas only)
 - Geo Flow PC 1/2 gph-24in. o.c.
 - System operating pressure: 20 psi

General Notes:

- Installation shall conform to all applicable City & County Sanitary Code regulations.
- System may not operate properly if any hidden, undisclosed Geologic, or soil Morphology limitations exist.
- System is not to be installed when soil is wet or moist.
- All tanks and or other structures must be over excavated and placed on a six inch level gravel bed.
- Static test required on septic tank and dosing tank to ensure water tight design. Tank cannot lose more than 3% of volume in a 24 hr. period after being filled.
- Absorption field area is to be protected from traffic of any machinery, other than that required for the installation of the field. The field is also not to have any type of structure on it.
- No trees are allowed in absorption field and grass cover must be maintained over field.

•PROPERTY LINES & IMPROVEMENTS SHOWN ARE APPROXIMATED BASED ON INFORMATION PROVIDED BY THE CLIENT. THE DESIGNER IS NOT RESPONSIBLE FOR PROPERTY ACCURACY. CONTRACTOR SHALL VERIFY ALL PROPERTY LINES PRIOR TO CONSTRUCTION.

Inspection Requirements:

- Installation must be approved by KCS, LLC.
- Lateral field excavation (prior to component installation)
- Installed components
- Final Grade
- Inspection fees shall be waived if installed by KCS, LLC.

No content in this drawing can be sold, distributed or copied without the sole permission of KCS LLC.

Calculations:

- System design complies with Unified Government Health Dept. Regulations
- Design Flow: (3) x 150 gpd = 450 gpd flow
- Design soil loading rate .4 gpd per s.f.
- Infiltrative Surface Area Required: 1,125 s.f.
- Zone 1: 5 laterals at 120ft (looped at ends)= 1,200 s.f.
- 300 emmiters @ 4 s.f.= 1,200 s.f. infiltrative surface
- Pump rate requirements 10.1 gpm at 36ft. TDH



KCS, LLC
Construction Services
P.O. Box 1211 Mission, KS 66222

JOB ID. #Jones-Onsite	Drawing Name:	Drip Dispersal	A-1
AUTHOR: B.Kingsbury			
SUBMITTAL DATE: 06-05-2025			
REVISION #			