

NOTE:
Bid documents should not be separated or issued as partial sets to subcontractors. Bidders are responsible for all portions of the documents that pertain to work covered by sub-bids. Bidder assumes full responsibility for error or misinterpretations resulting from partial sets of Bidding Documents by itself or any sub-bidder.

Conflicting information or errors found in the drawings, bidder should not assume the least expensive option will meet the project requirements.

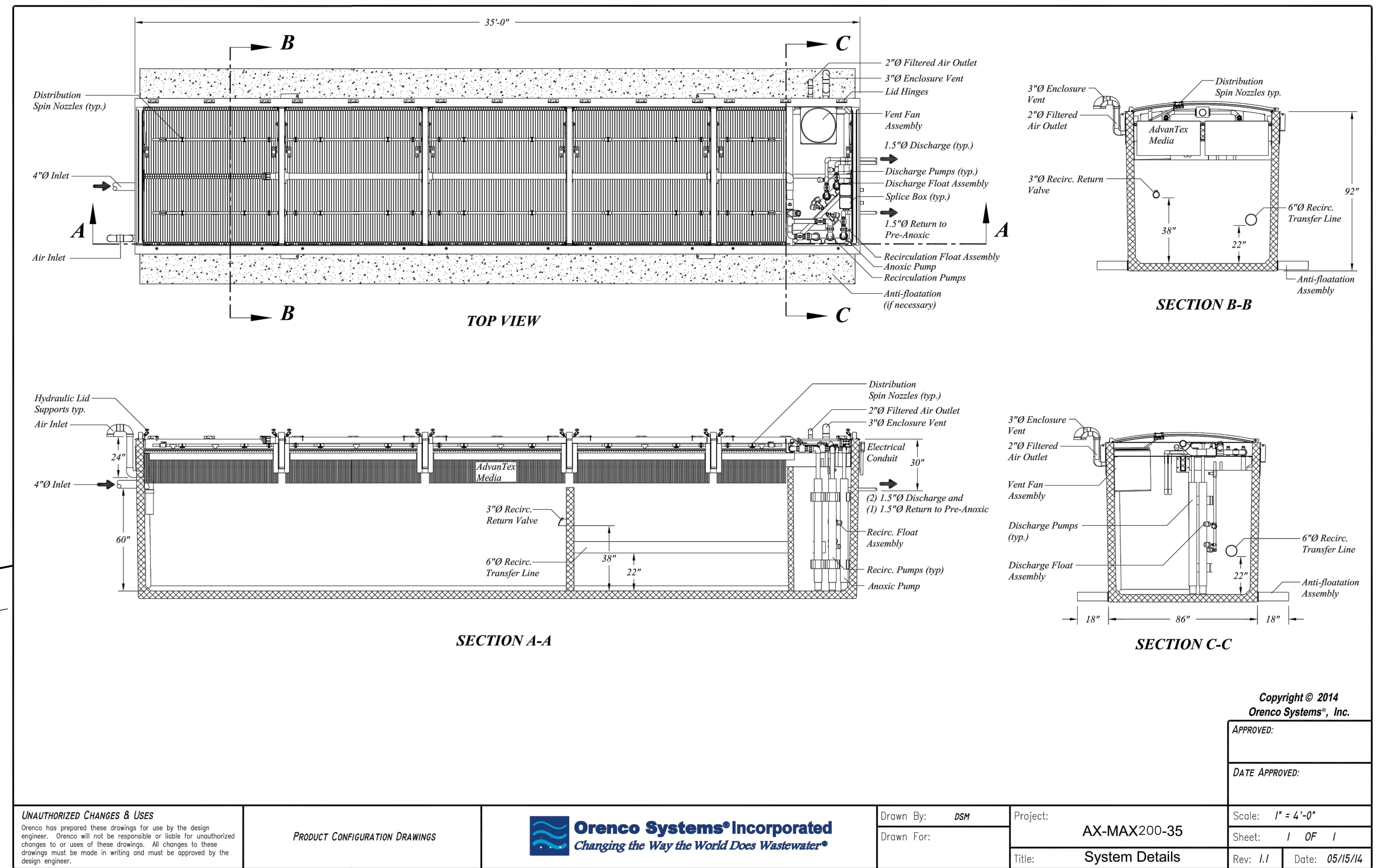
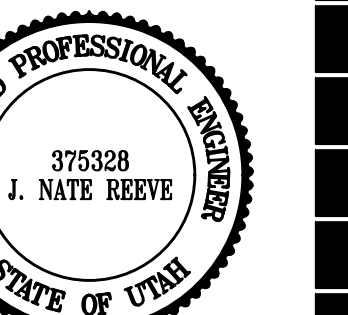


MAVERIK, INC. STORE #250
5100 EAST & 2500 NORTH
EDEN, UTAH

SHEET TITLE

**UTILITY PLAN
SEPTIC DESIGN**

C8.1

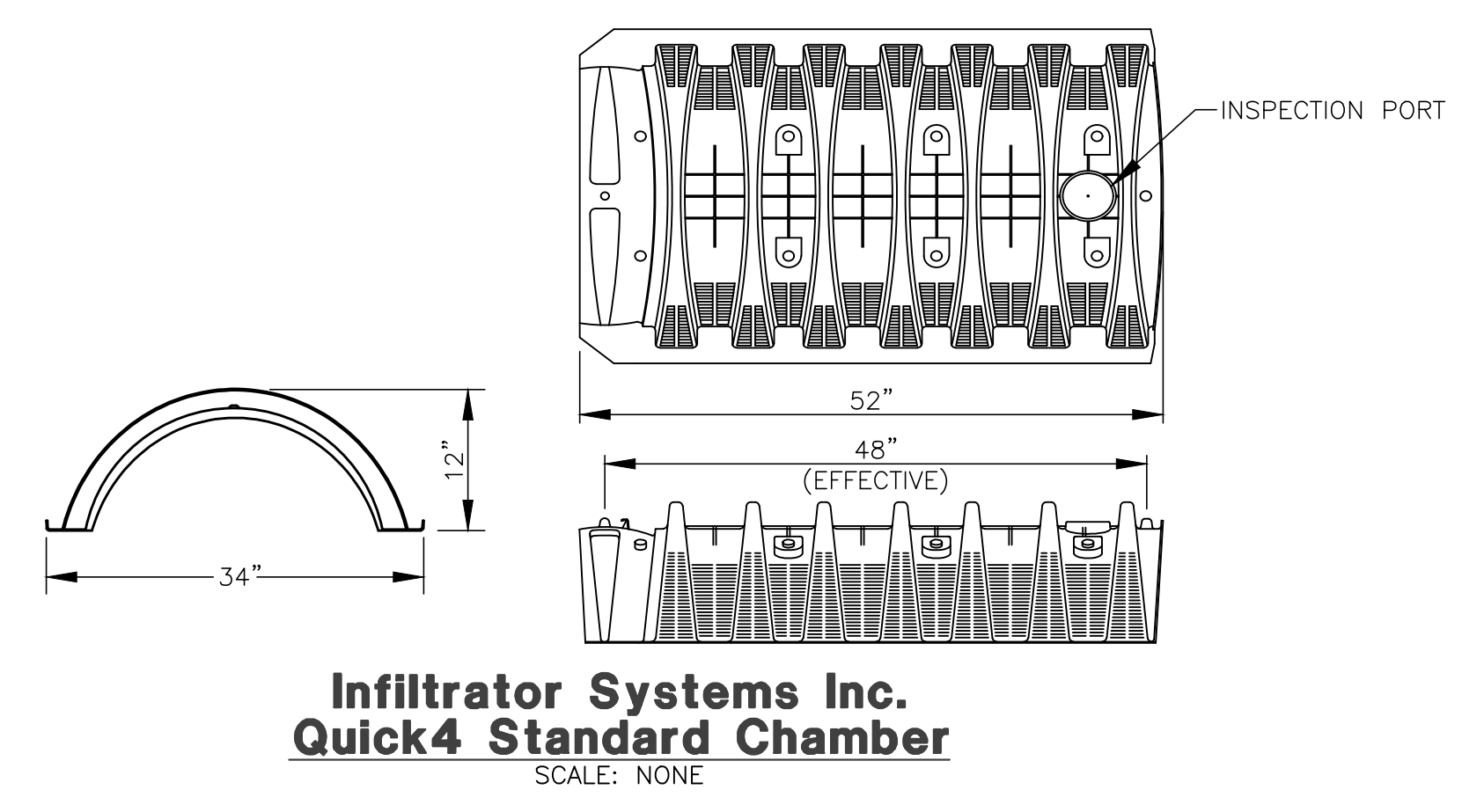
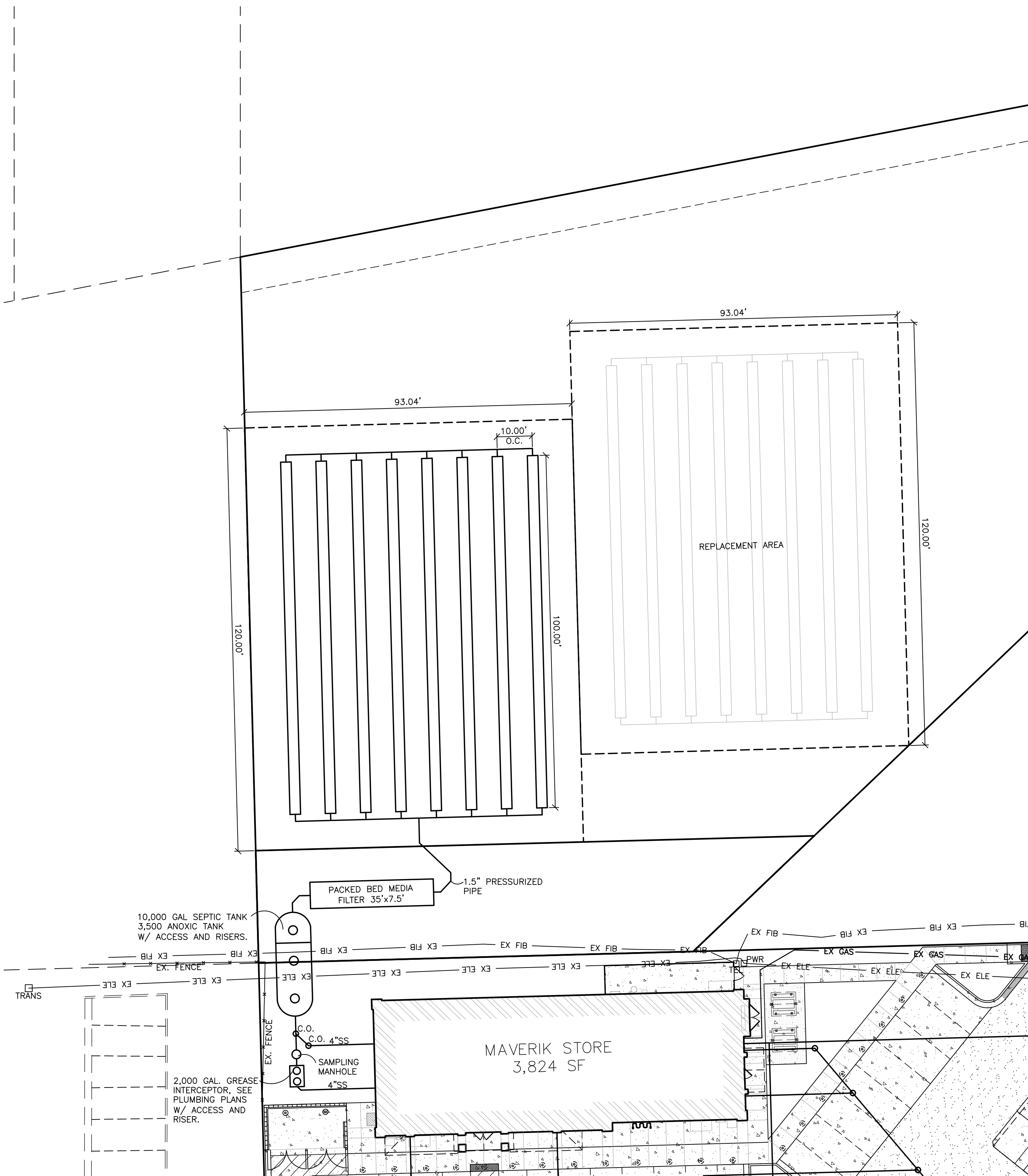


PACKED BED MEDIA FILTER
Flow 1,700 GPD

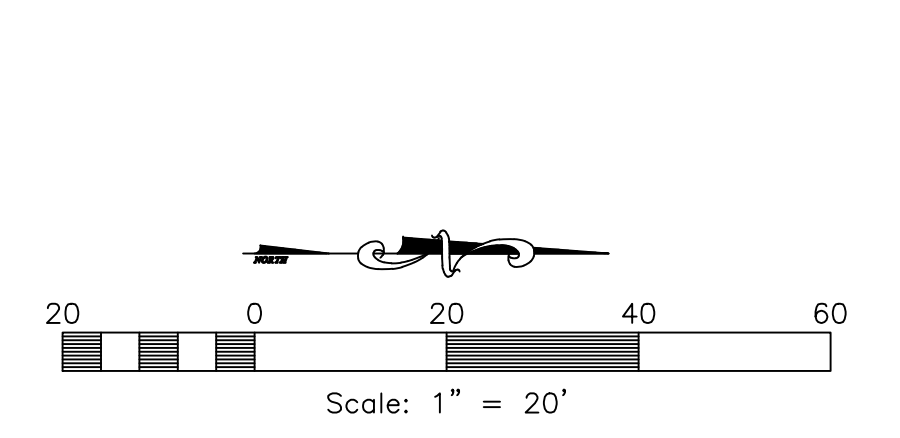
Absorption Field Trench
Seepage (t) = 45 min/inch
Hydraulic Loading Rate GPD/SF 0.40
Lateral Length (AVG.) 100 FT
Spacing between laterals 7 FT

Field Area
1700 GPD ÷ 0.50 GPD/SF = 3400 SF
30% Reduction = 2380 SF
2380 SF / 3' (Trench width) = 794 SF
8 Trenches x 100 LF = 800 SF -> OK

Septic Tank
Grease Interceptor 2,000 Gallon
Septic Tank 10,000 Gallon
Anoxic Tank 3,500 Gallon



Note:
Contractor to verify ALL Existing Utility Locations, Terminations and Invert Elevations.



Elevation Datum
SITE BENCHMARK #1:
BRASS CAP MONUMENT
NORTHING = 22717.10
EASTING = 15343.94
ELEVATION = 4978.61'

Elevation Datum
SITE BENCHMARK #2:
BRASS CAP MONUMENT
NORTHING = 22736.34
EASTING = 12676.29
ELEVATION = 4963.72'



5160 SOUTH 1500 WEST
RIVERDALE, UTAH 84405
TEL: (801) 621-3100
FAX: (801) 621-2666
www.reeve-assoc.com

LAND PLANNERS * CIVIL ENGINEERS
LAND SURVEYORS * TRAFFIC ENGINEERS
STRUCTURAL ENGINEERS * LANDSCAPE ARCHITECTS

PROJECT NUMBER: 5799-230
DRAWN BY: RWH
ENGINEER: JNR