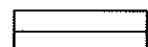




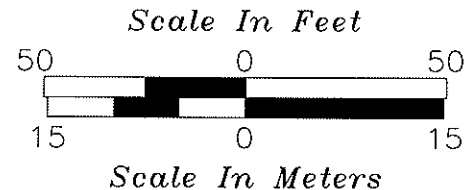


SITE PLAN

LOT 279
 DAVID AND ANDREANNA VAUGHAN
 11/19/02

LEGEND

-  PROPOSED DRAINFIELD & 100% REPLACEMENT AREA
-  TH #1 TEST HOLE LOCATION
-  PT #1 PERC TEST LOCATION
-  PROPOSED WELLSITE
-  EXISTING WELLSITE



NOTES:

SLOPE ACROSS DRAINFIELD AND 100% REPLACEMENT AREA $\leq 1\%$

AT THIS TIME THERE ARE NO KNOWN WELLS AND/OR SURFACE WATERS WITHIN 100 FEET OF THE PROPOSED DRAINFIELD/100% REPLACEMENT AREA.

PRIOR TO CONSTRUCTION OF DRAINFIELD, VERIFY THAT SEPTIC SYSTEM AND ALL COMPONENTS WILL MEET ALL REQUIRED OFFSETS AND NOTIFY ENGINEER OF ANY DISCREPANCIES.

OWNER MUST DIVERT ALL STORM RUNOFF AWAY FROM ALL SEWER SYSTEM COMPONENTS TO PREVENT POSSIBLE MALFUNCTION

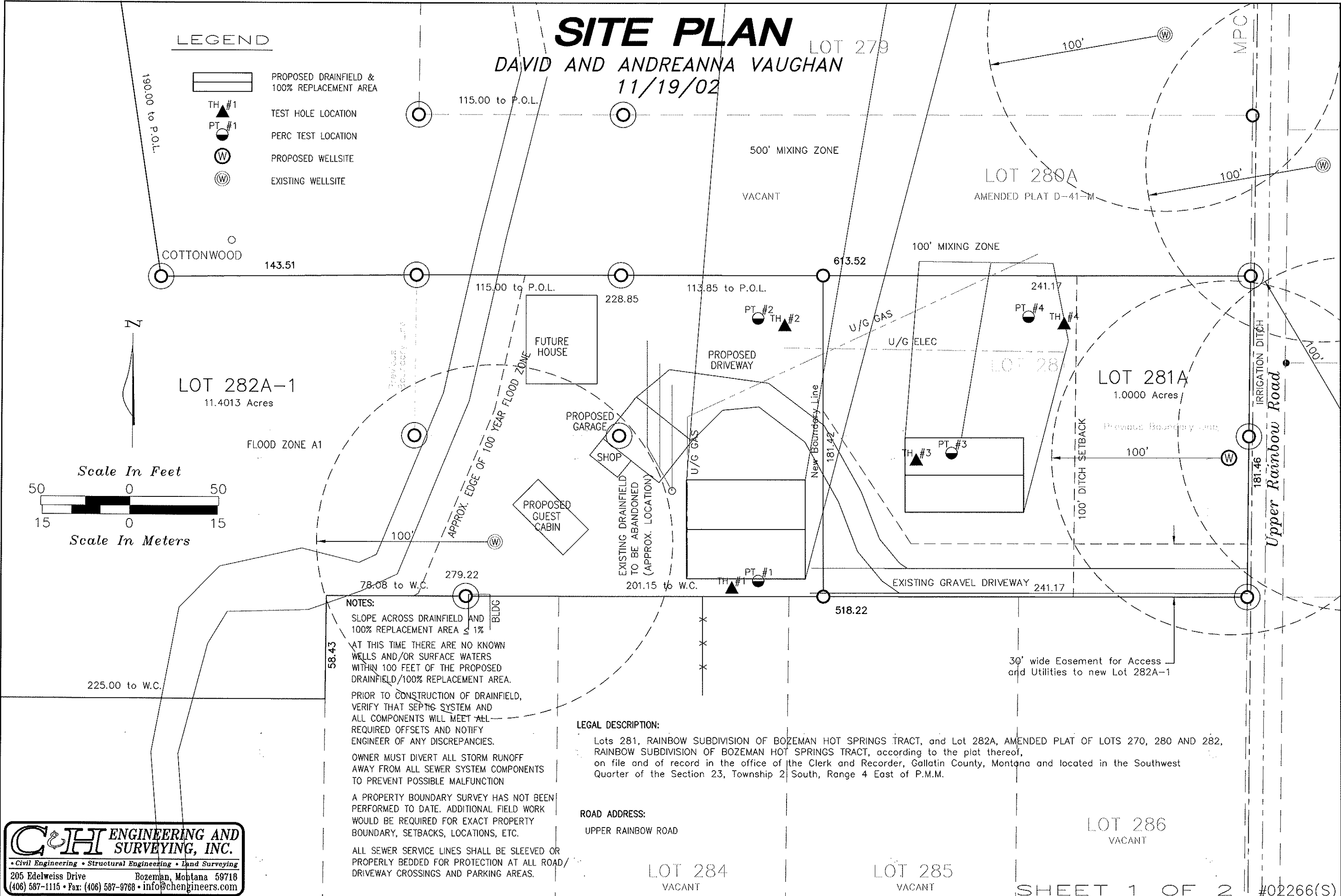
A PROPERTY BOUNDARY SURVEY HAS NOT BEEN PERFORMED TO DATE. ADDITIONAL FIELD WORK WOULD BE REQUIRED FOR EXACT PROPERTY BOUNDARY, SETBACKS, LOCATIONS, ETC.

ALL SEWER SERVICE LINES SHALL BE SLEEVED OR PROPERLY BEDDED FOR PROTECTION AT ALL ROAD/DRIVEWAY CROSSINGS AND PARKING AREAS.

LEGAL DESCRIPTION:

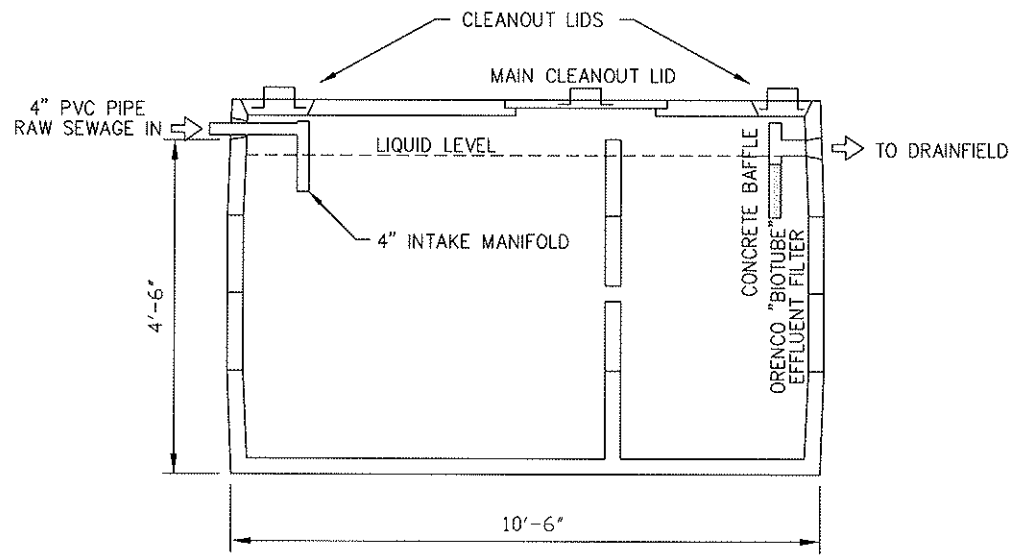
Lots 281, RAINBOW SUBDIVISION OF BOZEMAN HOT SPRINGS TRACT, and Lot 282A, AMENDED PLAT OF LOTS 270, 280 AND 282, RAINBOW SUBDIVISION OF BOZEMAN HOT SPRINGS TRACT, according to the plat thereof, on file and of record in the office of the Clerk and Recorder, Gallatin County, Montana and located in the Southwest Quarter of the Section 23, Township 2 South, Range 4 East of P.M.M.

ROAD ADDRESS:
 UPPER RAINBOW ROAD



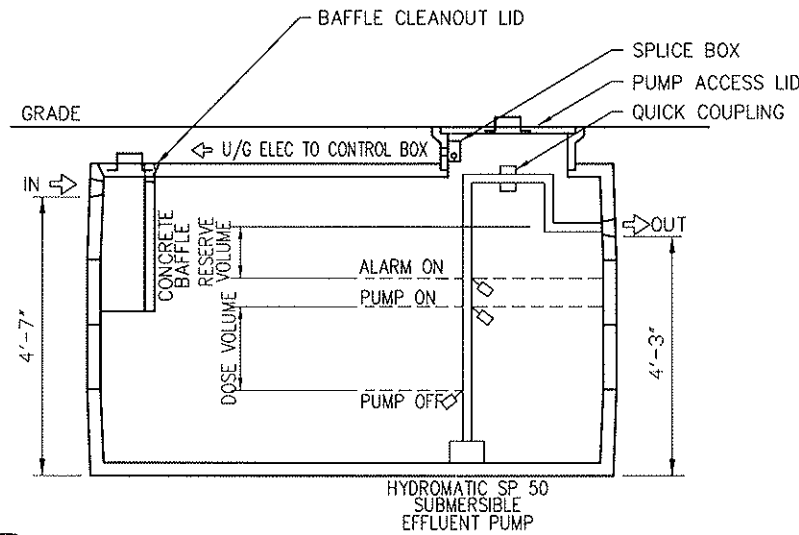
C&H ENGINEERING AND SURVEYING, INC.
 • Civil Engineering • Structural Engineering • Land Surveying
 205 Edelweiss Drive Bozeman, Montana 59718
 (406) 587-1115 • Fax: (406) 587-9768 • info@chengeers.com

DETAIL SHEET



1 TYPICAL 1500 GALLON SEPTIC TANK DETAIL
SS2 SCALE: NTS

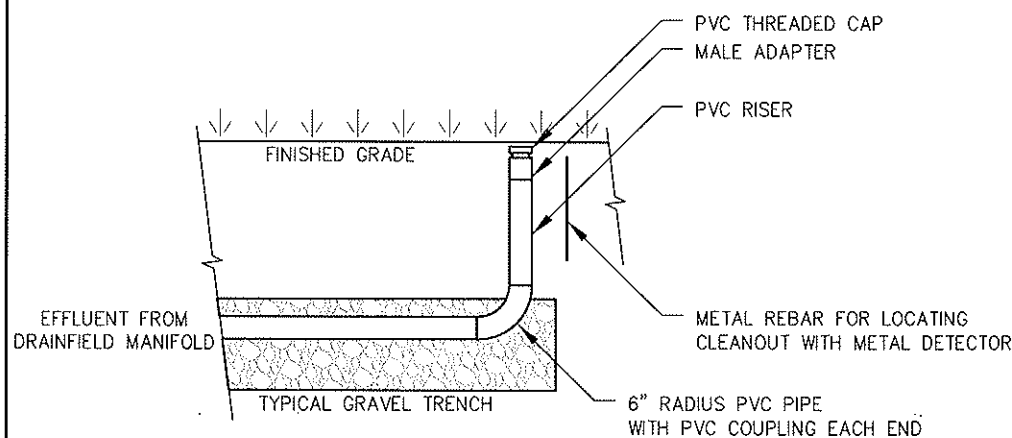
NOTES:
 SEPTIC TANK SIZE=1500 GAL (MIN.)
 DOSE TANK SIZE=1000 GAL
 DOSE CHAMBER SHALL BE EQUIPPED WITH AUDIO AND/OR VISUAL ALARM
 CONTROL PANEL TO BE ORENCO SIMPLEX "S1" OR EQUIVALENT
 TO BE APPROVED BY ENGINEER.
 ACCESS TO THE DOSE CHAMBER SHALL NOT BE LOCATED MORE THAN
 8 INCHES BELOW THE FINISHED GRADE OF THE GROUND SURFACE.
 PUMP SHALL BE EXPLOSION PROOF OR REMAIN SUBMERSED AT ALL TIMES.



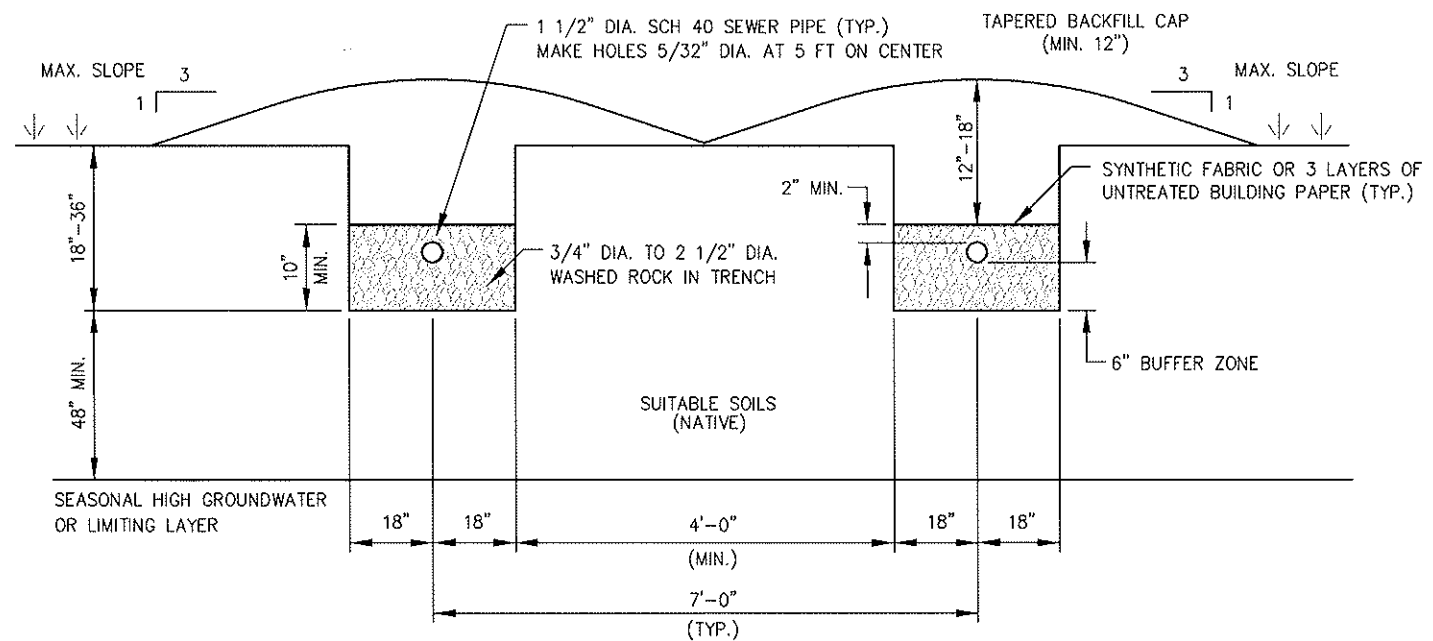
2 1000 GALLON DOSE TANK DETAIL
SS2 SCALE: NTS
DOSE VOLUME=250 GAL

GENERAL SEWER SYSTEM CONSTRUCTION NOTES

1. ALL CONSTRUCTION SHALL CONFORM TO THE ACCOMPANYING PLANS.
2. NO CHANGE OR MODIFICATION OF THE APPROVED PLANS AND SPECIFICATIONS SHALL BE MADE WITHOUT THE PRIOR WRITTEN APPROVAL OF THE ENGINEER AND/OR THE GALLATIN CITY-COUNTY HEALTH DEPARTMENT (GCCHD).
3. INSTALLER MUST BE LICENSED AND QUALIFIED TO INSTALL SUBSURFACE WASTEWATER TREATMENT SYSTEMS IN GALLATIN COUNTY, MONTANA.
4. ALL SYSTEM COMPONENTS WILL BE BURIED, COVERED AND INSULATED WHERE REQUIRED TO PREVENT MALFUNCTION. USE INSULATED RISERS AND/OR RIGID INSULATION IF REQUIRED.
5. ALL ELECTRICAL EQUIPMENT SHALL COMPLY WITH THE NATIONAL ELECTRIC CODE, CLASS 1, GROUP D, DIVISION 1.
6. GRAVITY SEWER SERVICE LINES TO BE 4" PVC AND TO BE PLACED AT A MINIMUM DOWNWARD SLOPE OF 1/4 INCH PER FOOT.
8. ALL SYSTEM COMPONENTS WILL MEET OR EXCEED ALL DESIGN CRITERIA AS OUTLINED IN MDEQ-CIRCULAR DEQ-4 "MINIMUM DESIGN STANDARDS FOR ON-SITE ALTERNATIVE SEWAGE TREATMENT SYSTEMS" AND DEQ-4 "STANDARDS FOR INDIVIDUAL SEWAGE SYSTEMS."
9. ALL WORK SHALL BE DONE IN ACCORDANCE WITH GALLATIN CITY-COUNTY REGULATIONS FOR WASTEWATER TREATMENT SYSTEMS (EFFECTIVE 7/1/01).
10. ALL SYSTEM COMPONENTS MUST BE WATERTIGHT.
11. SEE MANUFACTURER'S DETAILS IN THE "TECHNICAL SPECIFICATIONS" FOR ANY SYSTEM COMPONENT DETAILS NOT SHOWN ON THIS SHEET.



3 TYPICAL DRAINFIELD LATERAL END INSPECTION RISER
SS2 SCALE: NTS

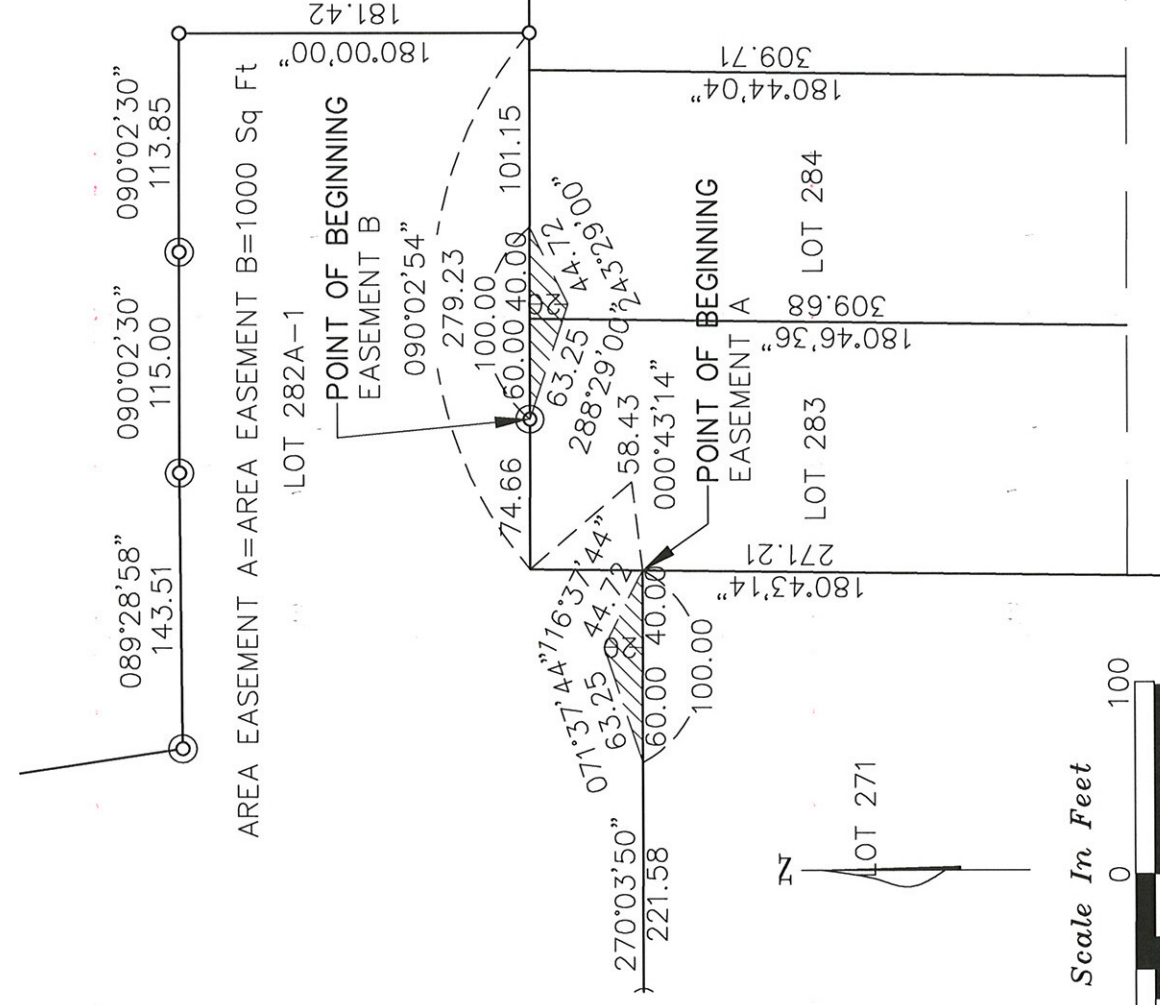


4 TYPICAL GRAVEL TRENCH DETAIL
SS2 SCALE: NTS

NOTES:
 A MINIMUM OF 12 INCHES OF FILL MATERIAL SHALL BE PLACED AS A CAP ABOVE THE NATURAL GROUND SURFACE AND TAPERED FROM THE EDGE OF THE TRENCH WALL WITH A 3 HORIZONTAL TO 1 VERTICAL OR LESSER SLOPE.

EXHIBIT A

EASEMENTS OF LOT 271, 283 AND 284 RAINBOW SUBDIVISION



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