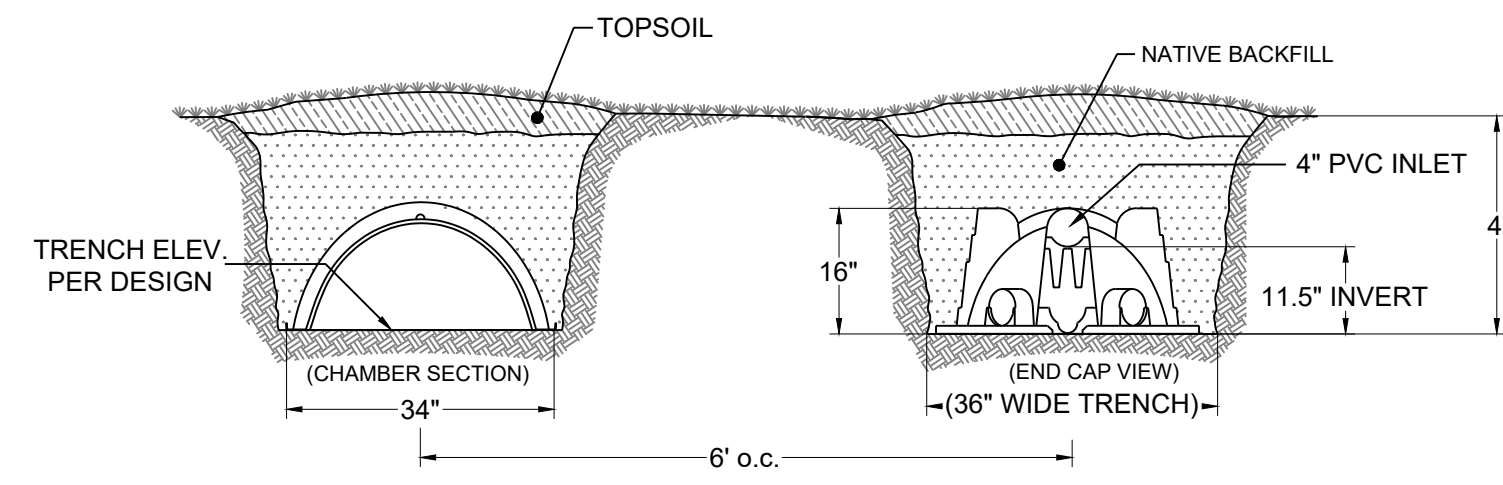
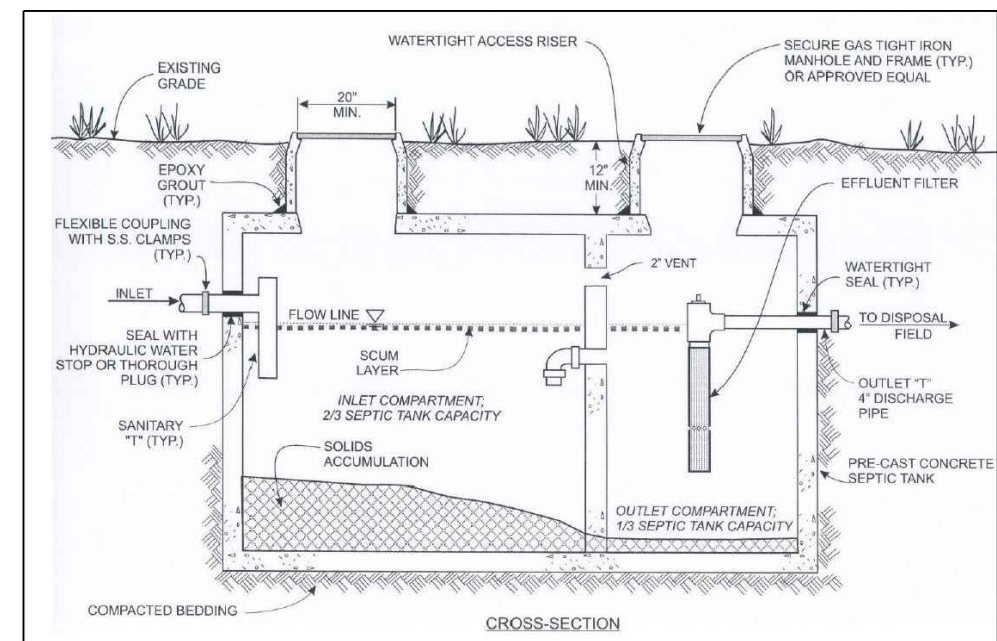


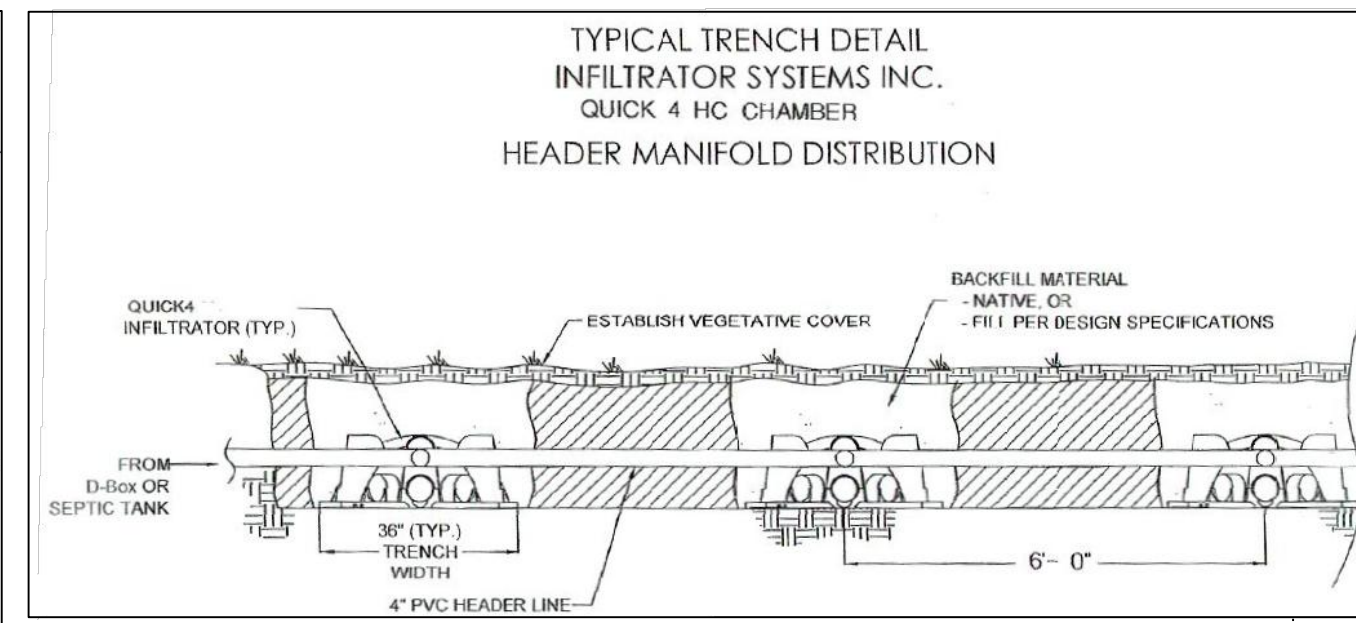
VICINITY MAP



INFILTRATOR WATER TECHNOLOGIES  
QUICK4 PLUS HIGH CAPACITY CHAMBER  
TYPICAL TRENCH DETAIL  
SECTION VIEW  
(NOT TO SCALE)



Septic Tank Detail



TYPICAL TRENCH DETAIL  
INFILTRATOR SYSTEMS INC.  
QUICK 4 HC CHAMBER  
HEADER MANIFOLD DISTRIBUTION

California Ave  
(county maintained road)

found 2" brass disk in monument box with punch

found 2" iron pipe in monument box with N&T, illegible Elev. 285.04'

- Sizing Calculations**
- Main Residence - Five Bedrooms - 600 GPD
  - ADU - Two Bedrooms - 300 GPD
  - AG / CC Housing (5) - Two Bedroom Units - 1500 GPD
  - Accessory Structures (Winery & Produce Stand) - Five Employees and 100 Visitors - 325 GPD
- Adjusted Stabilized Percolation Rate**
- P1 = 42.0, P2 = 14.6, P3 = 42.0, P4 = 14.0, P5 = 16.8, P6 = 15.3, P7 = 8.4, P8 = 9.9, P9 = 9.4, P10 = 40.5
- Adjusted Average Stabilized Percolation Rate = 21 MPI**  
Wastewater Application Rate = 0.63 GPD/SQFT
- Wastewater design flow = 2425 GPD
  - Adjusted Stabilized percolation rate = 21 MPI
  - Wastewater application rate = 0.63 GPD/SQFT
  - Width of Trench = 36 inches
  - Rock below perforated drain pipe = HC Infiltrator Chambers
  - Infiltration area per linear foot = 6.6

**Design Calculations**

2425 GPD / 0.63 = 3849.21  
3849.21 / 6.6 = 584 LF

**Dispersal Field Required = 584 LF + 584 LF**

**Applicant/Owner:**

Raj Durga  
12530 Paseo Cerro  
Saratoga, CA 95070  
847-660-4250  
rdurga@icloud.com

**Engineer:**

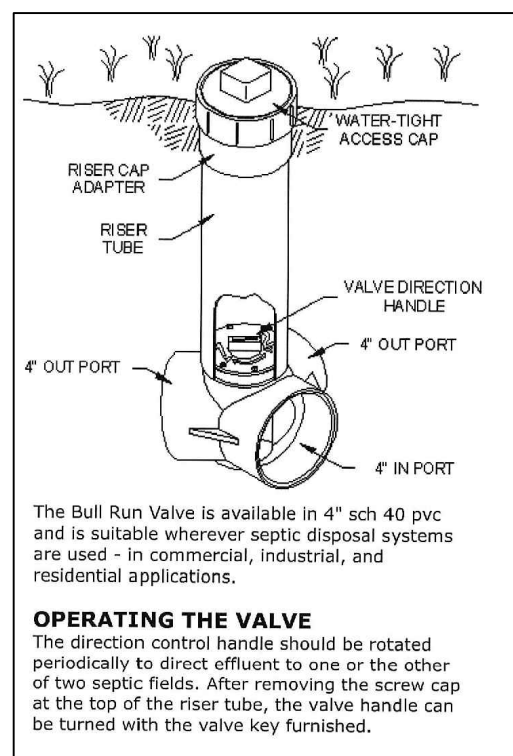
David L. Faria, RCE 92432  
MH Engineering  
16075 Vineyard Blvd.  
Morgan Hill, CA 95037  
408.779.7381  
david@mhengineering.com

**Project Information:**

APN: 779-18-019  
Present Use: Rural Residential  
Present Zoning: RR-5Ac-sr  
Existing Improvements: As Shown  
Water: ex well, San Martin Water  
Sanitary Sewer: ex OWTS, Proposed OWTS  
Gas & Electric: ex PGE  
Fire Responsibility Area: SRA (97.4%), LRA (2.6%)  
Wildland Urban Interface: In  
HCP Area: Rural Development Not Covered  
Hazard Zone(s): N/A  
Type of Construction: V-4S  
Occupancy Types: A-2, S-1, R-3, U  
Gross Area: 7.641 ac  
Net Area: 6.996 ac

**Boundary Note:** Property lines shown on this plan are based on record data and boundary monumentation measured to date.

**Flood Zone:** The property lies wholly in Zone D, areas in which flood hazards are undetermined, but possible, per FEMA Firm Panel 06085C0628H & 06085C0609H, effective May 18, 2009.

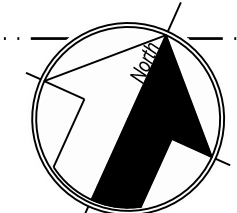


Divertor Valve Detail

**LEGEND**

- (ex structure)
- (ex concrete)
- Proposed Structure
- Proposed Concrete
- (0) Existing Contour
- (ex pavement)
- (ex gravel)
- Proposed AC
- Proposed Aggregate Base
- Proposed Contour

**Utility Note:** Contractor to verify existing utility locations by contacting USA @ 811 or 800-642-2444



SCALE: 1"=30'

FOR PLANCHHECK ONLY

REGISTERED PROFESSIONAL ENGINEER  
DAVID L. FARIA  
No. 92432  
EXP. 06-30-2025  
CIVIL  
STATE OF CALIFORNIA

FOR PLANCHHECK ONLY

NO.	REVISIONS	BY
1		
2		
3		
4		
5		

FARIA ENGINEERING & SURVEYING  
PLANNING \* BUILDING \* SEPTIC  
david@fhengineering.com  
(650) 515-1650

**OWTS Feasibility Plan**  
**13375 Santa Teresa Blvd. - APN 779-18-019**

DATE: 1/22/2024  
SCALE: 1" = 30'  
DRAWN BY: DF  
CHECKED BY: DF  
JOB NO. **223008**  
SHEET NO. **1**  
OF **1**