

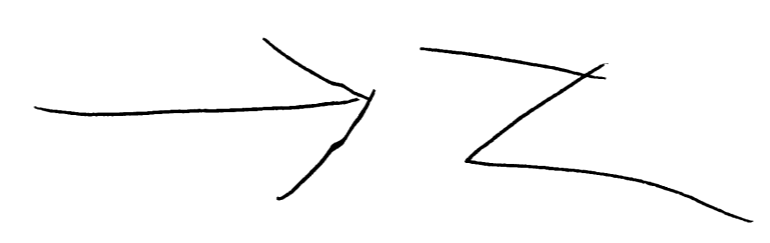
REFER TO ATTACHMENT FOR CORRECT LOCATION OF WATER WELL PROVIDED IN ENGINEERING SOILS REPORT OF APPROVED SEPTIC SYSTEM APPLICATION SITE REVIEW (PCD FILE SEP19219). WELL LOCATION TO BE MINIMUM 100 FT FROM ANY WELL TO STA (SYSTEM TREATMENT AREA) AND MINIMUM 50 FT TO SEPTIC TANK LOCATION (100 FT PREFERRED)

OWNER: PEREZ BERNARDO ESPINOZA & CRYSTAL ESPINOZA
 4075 Los Ranchitos Dr.
 Parcel lot 4327003009V (T&N)
 Zoning PUD
 Plat # 10762
 Lot 5 Blk 2 Yucca Estates
 AREA 5.11 AC DIST 2
 R119676 SED191022

APPROVED 8/25/19 DENIED
 BY DA DATE 8/25/19
 FOR NO SECOND
 NOTES NO SECOND
KITCHEN OR 22' W FOR
STONE RANGE IN FINISHED LOWER
 EL PASO COUNTY INTERIOR UPPER LEVEL
 PLANNING AND COMMUNITY DEVELOPMENT FLOOD AREAS.

BESQCP APPROVED/DENIED
 by DA on 8/12/19

RBD
 ENGINEER
 ✓

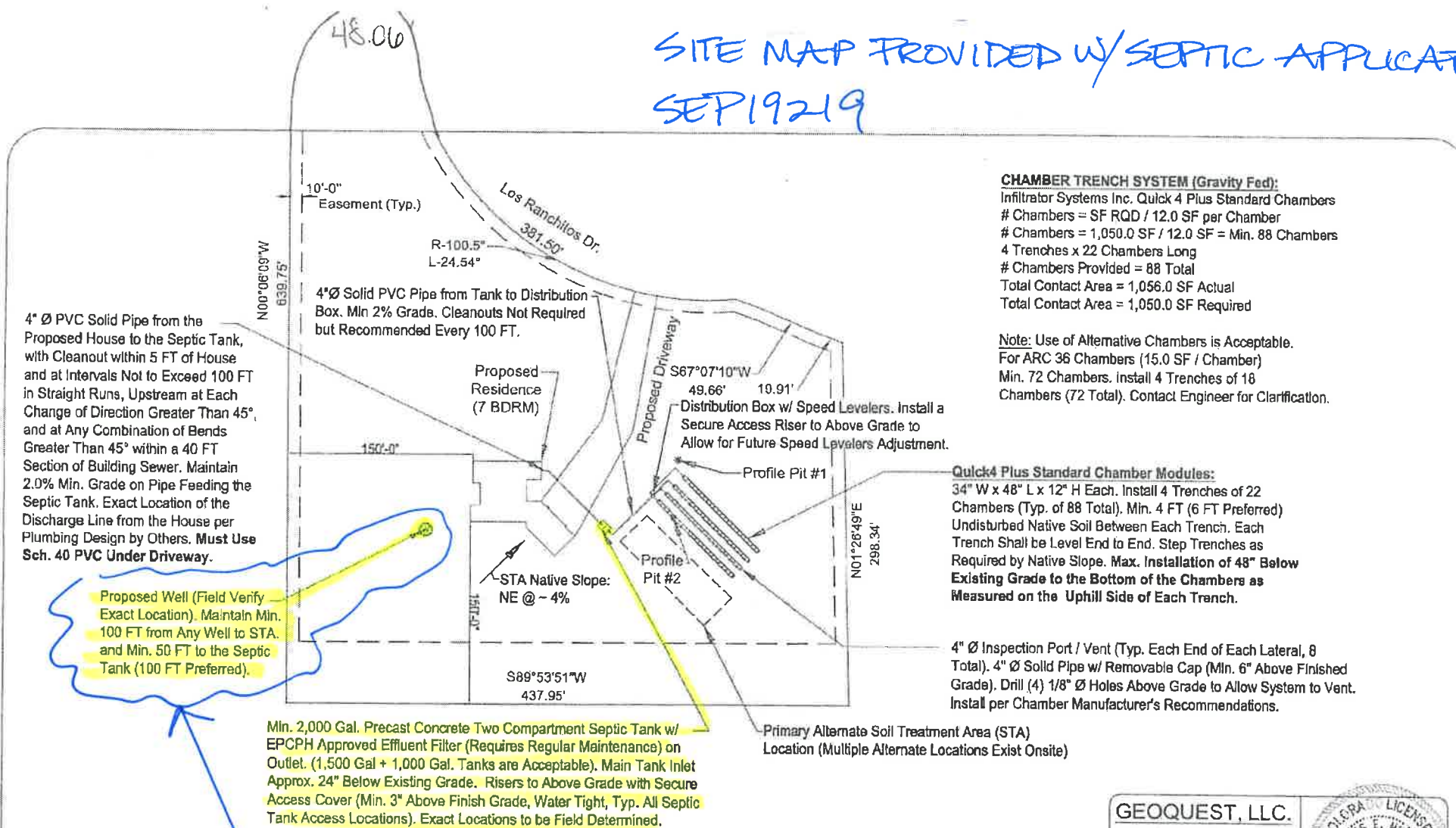


Planning and Community Development approval is contingent upon compliance with all applicable notes on the recorded plat.
 An access permit must be granted by the Planning and Community Development Engineering Division prior to the establishment of any driveway onto a County Road.
 Diversion of blockage of any driveway is not permitted without the approval of the Planning and Community Development Engineering Division.
 Any approval given by El Paso County does not obviate the need to comply with applicable Federal, State or Local laws and/or regulations.

RBD ✓

11

SITE MAP PROVIDED W/ SEPTIC APPLICATION
SEP 19 2019



CHAMBER TRENCH SYSTEM (Gravity Fed):
 Infiltrator Systems Inc. Quick 4 Plus Standard Chambers
 # Chambers = SF RQD / 12.0 SF per Chamber
 # Chambers = 1,050.0 SF / 12.0 SF = Min. 88 Chambers
 4 Trenches x 22 Chambers Long
 # Chambers Provided = 88 Total
 Total Contact Area = 1,056.0 SF Actual
 Total Contact Area = 1,050.0 SF Required

Note: Use of Alternative Chambers is Acceptable.
 For ARC 36 Chambers (15.0 SF / Chamber)
 Min. 72 Chambers. Install 4 Trenches of 18
 Chambers (72 Total). Contact Engineer for Clarification.

Quick4 Plus Standard Chamber Modules:
 34" W x 48" L x 12" H Each. Install 4 Trenches of 22
 Chambers (Typ. of 88 Total). Min. 4 FT (6 FT Preferred)
 Undisturbed Native Soil Between Each Trench. Each
 Trench Shall be Level End to End. Step Trenches as
 Required by Native Slope. Max. Installation of 48" Below
 Existing Grade to the Bottom of the Chambers as
 Measured on the Uphill Side of Each Trench.

4" Ø PVC Solid Pipe from the Proposed House to the Septic Tank, with Cleanout within 5 FT of House and at Intervals Not to Exceed 100 FT in Straight Runs, Upstream at Each Change of Direction Greater Than 45°, and at Any Combination of Bends Greater Than 45° within a 40 FT Section of Building Sewer. Maintain 2.0% Min. Grade on Pipe Feeding the Septic Tank. Exact Location of the Discharge Line from the House per Plumbing Design by Others. Must Use Sch. 40 PVC Under Driveway.

Proposed Well (Field Verify Exact Location). Maintain Min. 100 FT from Any Well to STA. and Min. 50 FT to the Septic Tank (100 FT Preferred).

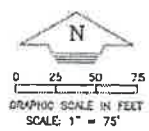
Min. 2,000 Gal. Precast Concrete Two Compartment Septic Tank w/ EPCPH Approved Effluent Filter (Requires Regular Maintenance) on Outlet. (1,500 Gal + 1,000 Gal. Tanks are Acceptable). Main Tank Inlet Approx. 24" Below Existing Grade. Risers to Above Grade with Secure Access Cover (Min. 3" Above Finish Grade, Water Tight, Typ. All Septic Tank Access Locations). Exact Locations to be Field Determined.

Minor Rotation or Curvature (i.e. Less Than 15°) of the Soil Treatment Area (STA) Beds to Best Fit the Site Topography is Acceptable (i.e. Parallel to Site Contours). STA shall Maintain the Approximate Orientation Shown w/ Respect to Buildings and Lot Lines. Contact Engineer for Clarification.

Site Plan

OWTS to be Roped Off (Caution Tape or Temporary Construction Fencing is Acceptable) Prior To and During Construction to Prevent Construction Traffic from Compacting Surface Soils and Protect the STA from Traffic After Installation.

* Indicates Geoquest, LLC. Profile Pit Test Locations
 Location from Southeast Lot Corner to Profile Pit #1: N. 35° W. - 246'
 Location from Profile Pit #1 to Profile Pit #2: S. 04° W. - 48'
 GPS Coordinates Profile Pit #1: N. 38° 53' 23.07", W. 104° 32' 47.84"
 GPS Coordinates Profile Pit #2: N. 38° 53' 22.61", W. 104° 32' 48.22"



Install Drainage Swale on All Uphill Sides to Ensure Surface Runoff is Diverted Around the STA. Downspouts near the STA Shall Discharge into the Swale or Extended Beyond the STA.

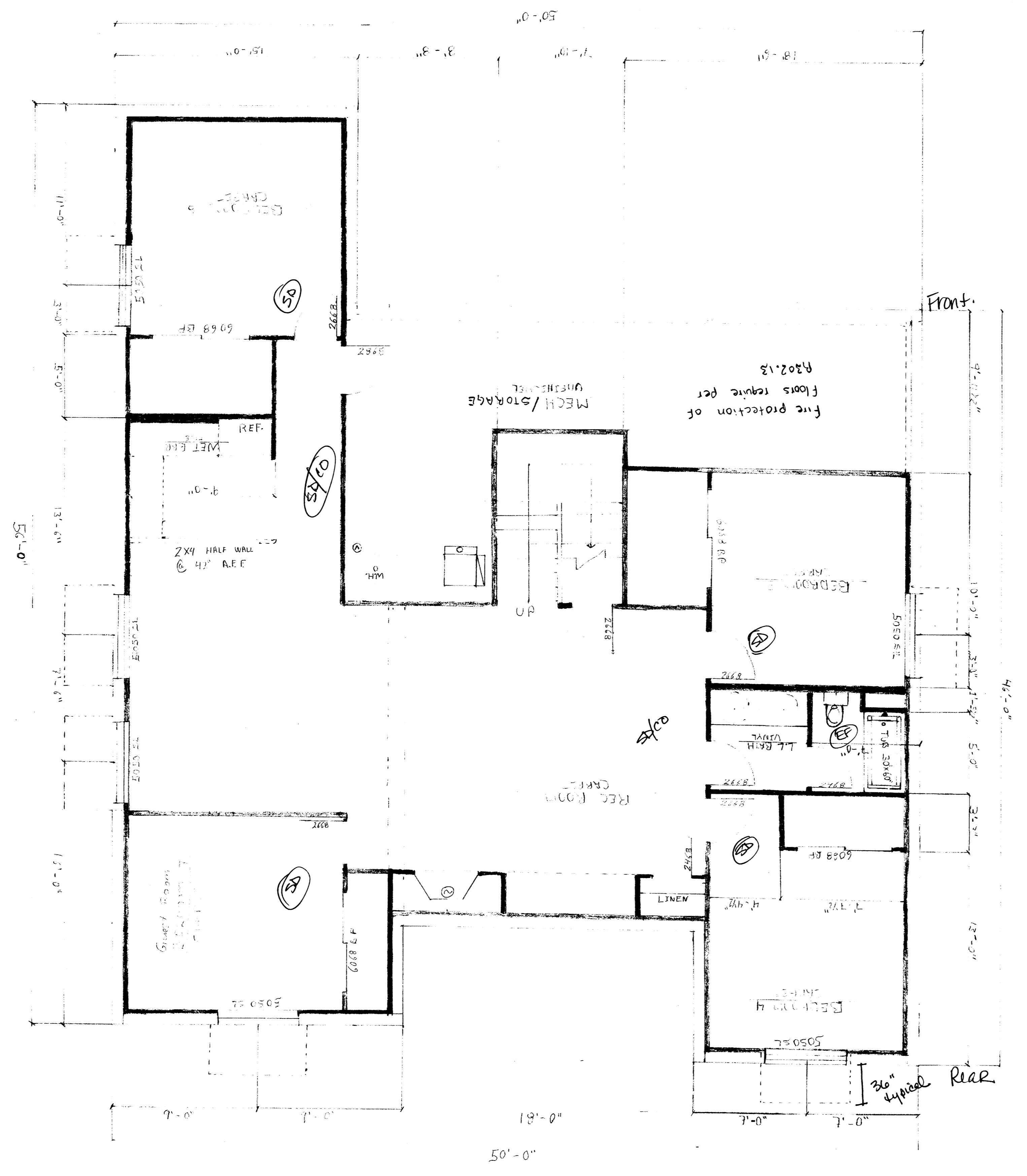
GEOQUEST, LLC.
 6825 SILVER PONDS HEIGHTS
 SUITE 101
 COLORADO SPRINGS, CO
 80908
 OFFICE: (719) 481-4560
 FAX: (719) 481-9204



Project: 18-0688	Project Name and Address
Sheet: 2 of 2	Bernardo and Crystal Espinoza
Date: 26 Feb 2019	4075 Los Ranchitos Dr,
Revised:	Lot #5, Block #2
Drawn by: jhr	Yuca Estates Subdivision,
Checked by: cem	Sch. No. 4327003009
	El Paso County, Colorado

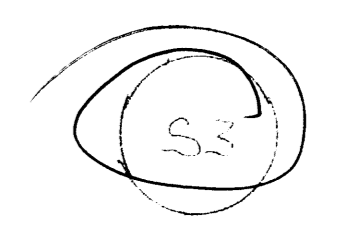
WELL LOCATION VERIFIED BY HOMEOWNER 8/26/19

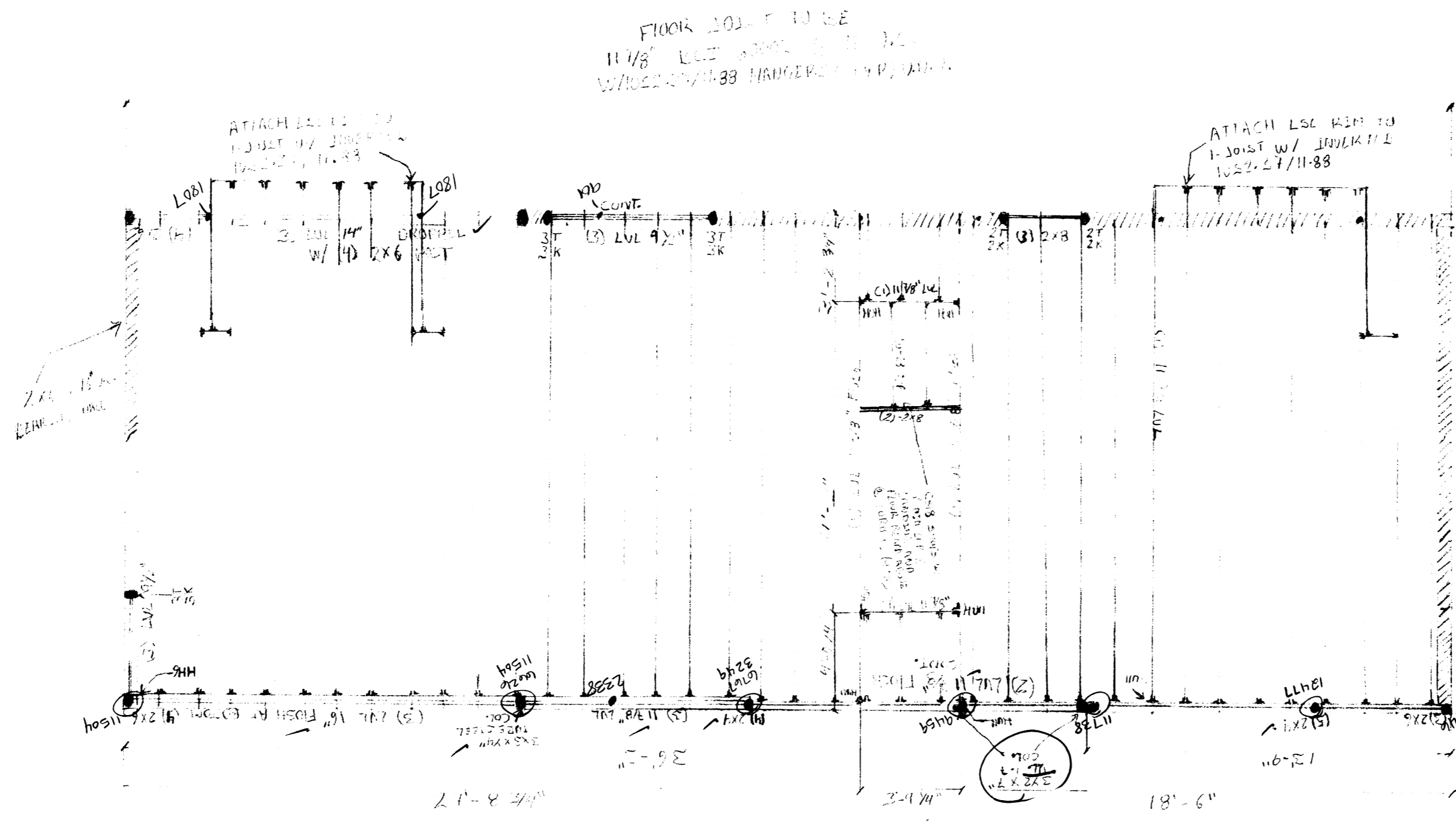
LOWER LEVEL FLOOR PLAN
 SCALE: 1/4" = 1'-0"
 TOTAL SQ FT = 2700
 FINISHED SQ FT = 1985



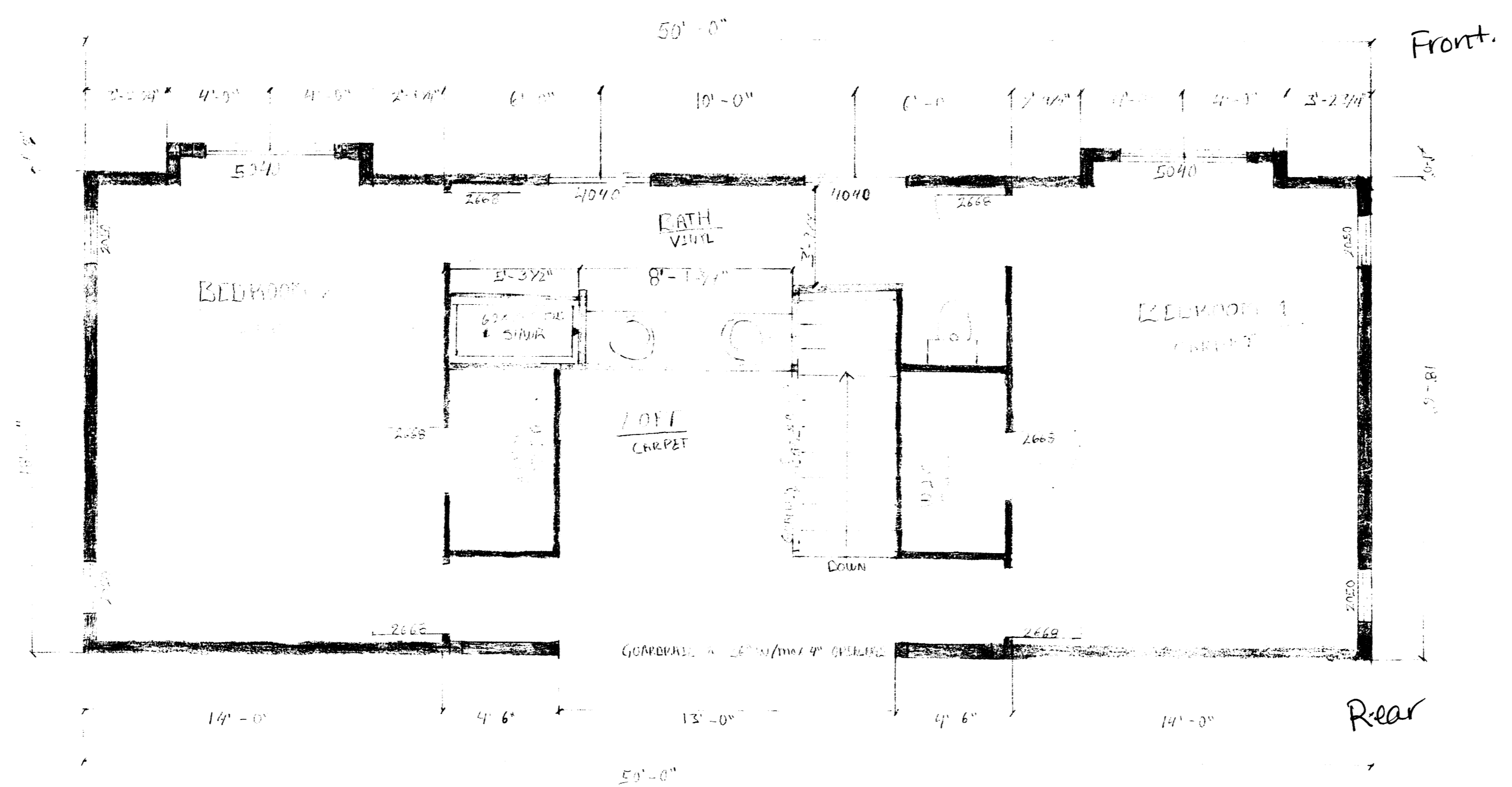
Correct Orientation

RBD ✓





UPPER LEVEL FLOOR JOIST LAYOUT
SCALE: 3/4" = 1'-0"



UPPER LEVEL FLOOR PLAN
SCALE: 3/4" = 1'-0"
941 SQ. FT. TOTAL

Correct orientation
Front of house should
always face same
direction on sheets

Floor Loads:
Live Load: 40 psf
Dead Load: 10 psf
Total Load: 50 psf

Bernardo & Crystal Espinoza
Lot #5, Block #2,
Yucca Estates Subdivision,
4075 Los Ranchitos
El Paso County, Colorado

Window Functions.

BBB ✓