

STEVE BROOKS
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Agoura, CA 93003
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SIZING CALCULATIONS

SIX (6) BEDROOM MAIN & TWO (2) BEDROOM ADJ.

SANDERS

STABILIZED PERCOLATION RATE
P1 = F P2 = 112.0 MPI P3 = 72.1 MPI P4 = F P5 = 51.5 MPI P6 = 84.0 MPI

STABILIZED PERCOLATION RATE

AVERAGE STABILIZED PERCOLATION RATE = 79.9 MP
WASTEWATER APPLICATION RATE = 0.28 GPD/SQFT

1. Wastewater design flow = 975GPD (675GPD Main + 300GPD ADU)
2. Stabilized percolation rate (4holes) = 80 MPI
3. Wastewater application rate = 0.28 GPD/SQFT
4. Width of trench = 24-INCHES
5. Infiltration area per linear ft = 4

SIZING CALCULATON WITH ROCK TRENCH

$$975 \text{ GPD} \div 0.28 \text{ GPD/SQFT} = 3482$$
$$3482 \div 4 = 870' + 870'$$

SIZING CALCULATION WITH HC INFILTRATOR CHAMBERS

$$975 \text{ GPD} \div 0.28 \text{ GPD/SQFT} = 3482$$

$$3482 \div 4 = 870 \text{ LESS } 30\% = 609' + 609'$$

OWTS
CONSTRUCTION NOTES
SANDERS

1. Install a Chapin Precast "Pinnacle" Septic Tank Model PSI-2000 with Orenco riser adapters and an effluent filter cartridge Model PL-68 on the outlet.
2. The top of tank shall be installed within 6-inches of the ground surface with manhole risers extending to surface with gas tight bolt down lids.
3. The septic tank shall be water tested and witnessed by DEH. The tank shall be filled with water to a minimum of 2-inches above the riser joint with risers sealed in place.
4. Extend a 4-inch CIP or SDR 35 sanitary sewer pipe from septic tank to diversion valve under paved driveway.
5. Install a Bull Run Diversion valve 3 feet of corner of garage as shown.
6. Diversion valve shall be enclosed within an irrigation box or equal for ease of access.
7. Connect each outlet of the diversion valve to the Infiltrator Chamber as shown.
8. Install a dual dispersal field of 609 linear feet each side of the diversion valve as shown.
9. High Capacity Infiltrator Chambers shall be used in lieu of standard drain rock.
10. Dispersal trenches shall be 36 – inches and not to exceed 7 feet in depth.
11. Dispersal trenches shall be separated by 6 feet as measured from center to center.
12. Install an inspection riser at end of each trench as shown. Top of inspection risers shall be enclosed within an irrigation or utility box for ease of access and protection.
13. No portion of the OWTs shall be within 100 feet from a well.

OWTS

PLOT PLAN

STEVE BROOKS, CONSULTING
200 GREENBRIER DRIVE
APTOS, CA. 95003
O 831-688-4391 M 408-202-9234

OWNER: CHRISTOPHER SANDERS
ADDRESS: 0 GUIBAL AVE., GILROY
APN: 835-11-124 SRO856496

SEWAGE SYSTEM REVIEW

SANTA CLARA COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH

Project Description SR No. SR0856496

New 6 bedroom SFR, 2 bedroom ADU, Pool cabana w/half bath (>2 water fixtures), detached garage w/no plumbing, new swimming pool

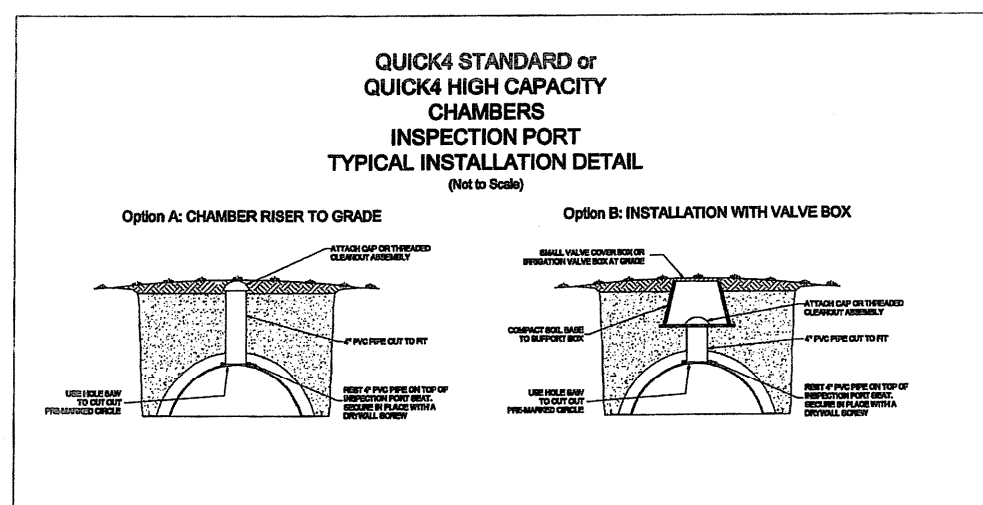
APPROVAL RECOMMENDED

☐ With existing System (Existing No. _____)
☒ Install/modify system per plan (describe below)
 [Obtain a permit from Environmental Health]

Install new 2,000 gal tank w/D-valve, 609' + 609' leach field with Infiltrator Chamber system. Traffic rated tightline to be installed beneath driveway area

R.E.H.S. Jeff Camp  Date 02/02/2021
Not A Sewage System Permit. Plan is void if absent signature.

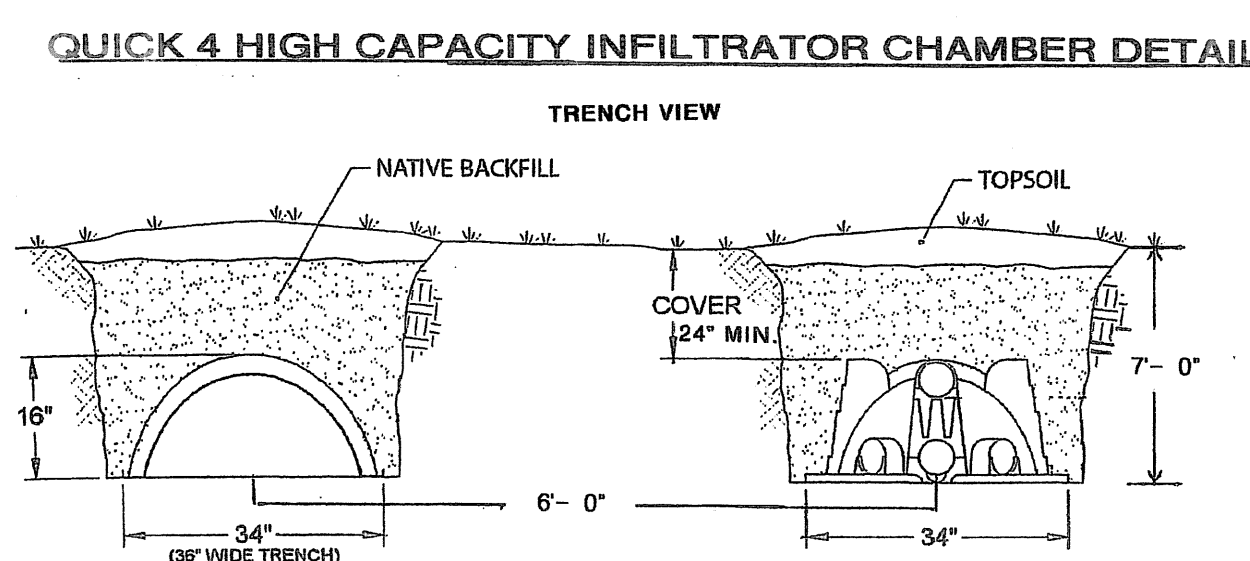
NOTE: **INSPECTION RISER DETAIL**



LINE 1 - 7 = 610 LF

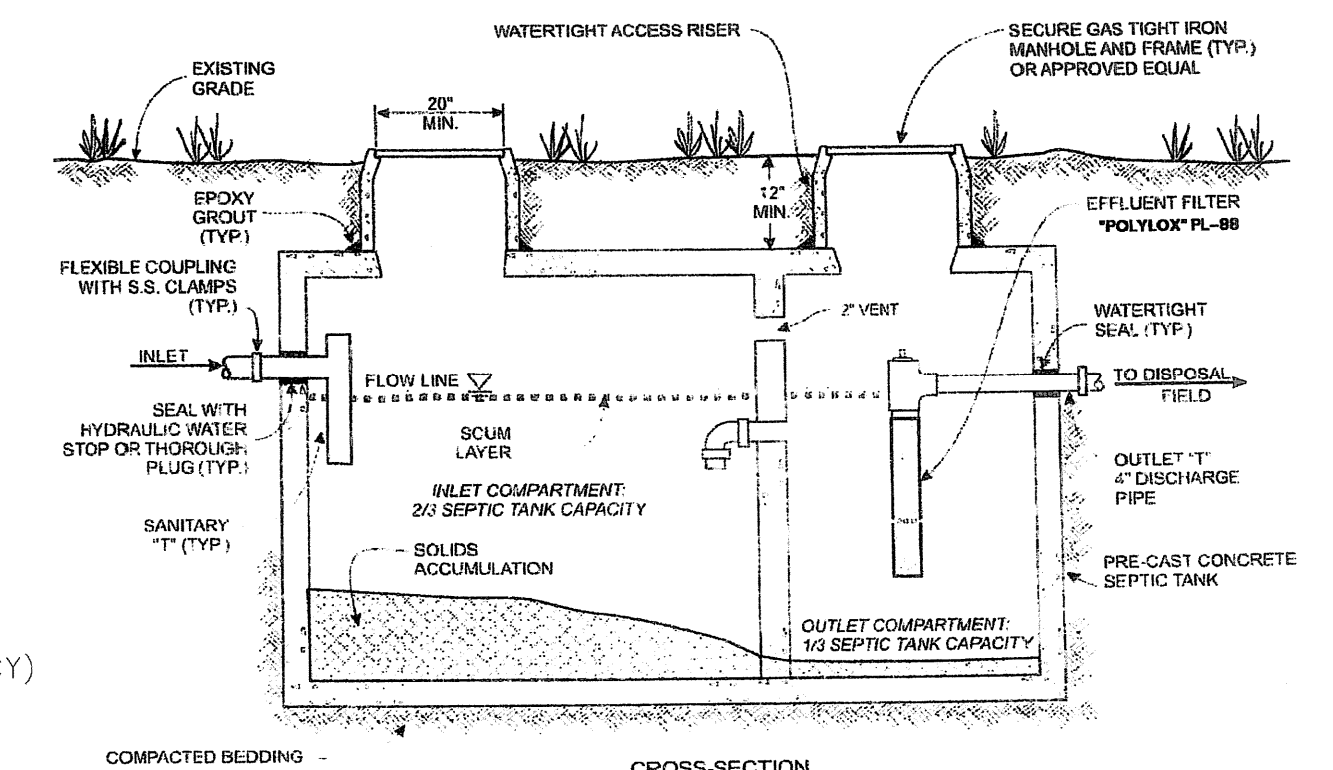
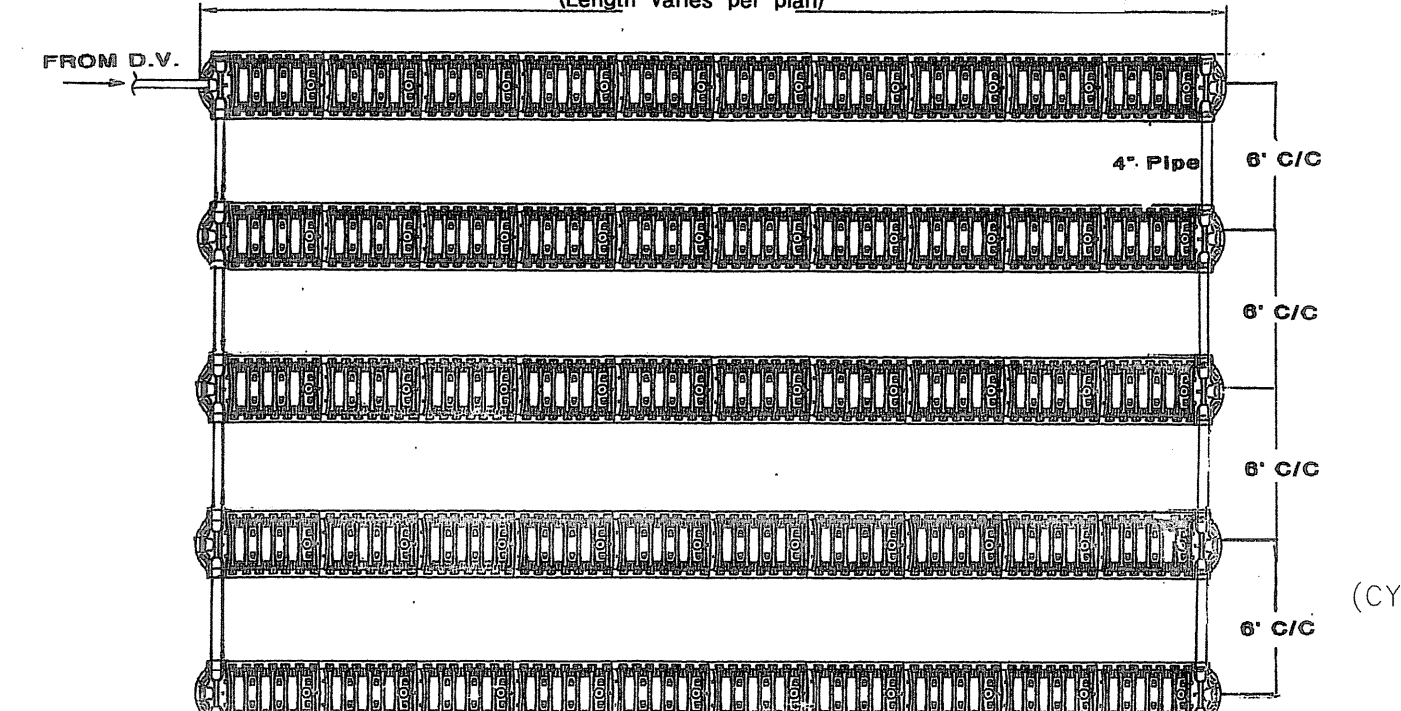
LINE 8 - 24 = 620 LF

**INSTALL AN INSPECTION RISER
AT THE END OF EACH TRENCH
ON SOUTH EAST SIDE**

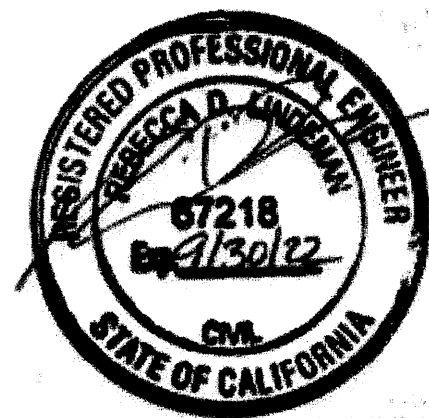


QUICK 4 HC INFILTRATOR CHAMBERS

(Length varies per plan)



TYPICAL SEPTIC TANK

[illegible]

11/23/2020

Jardon
Engineering

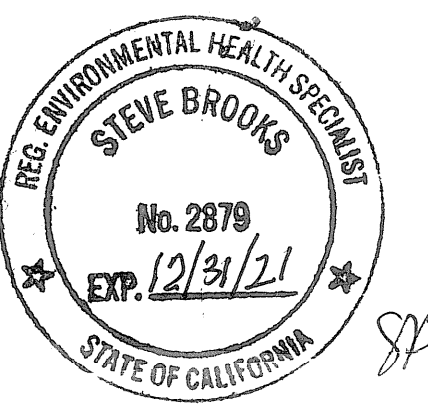
Engineering & inspections LLC

Rebecca Lindeman, P.E.

303.517.8189
Rebecca_jardon@outlook.com
PO Box 772143
Steamboat Springs, CO 80477

SANDERS RESIDENCE
LOT 124 - BOOK 853 - PAGE 11
GUIBAL AVE., GILROY
SANTA CLARA COUNTY, CALIFORNIA 95020

**NOVEMBER 2020
PRELIMINARY
GRADING PLAN**



6 Bedrooms - 675



email: jer@jerdensingroup.com
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OWNER

CHRIS & JANNY SANDERS

0 GUBAL AVE. GILROY CA. 95020

835-11-124

PROPOSED FLOOR W/DIMENSIONS PLAN

MARK DATE DESCRIPTION

MARK	DATE	DESCRIPTION

PROJECT NO: 835-11-124

CAD DWG FILE: Active Project 03/20/19

DRAWN BY: Author:mt

CHECK BY: Checker

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SHEET DESIGN GROUP

SHEET TITLE

A1.1a

SHEET OF

PLN19-0196 201116

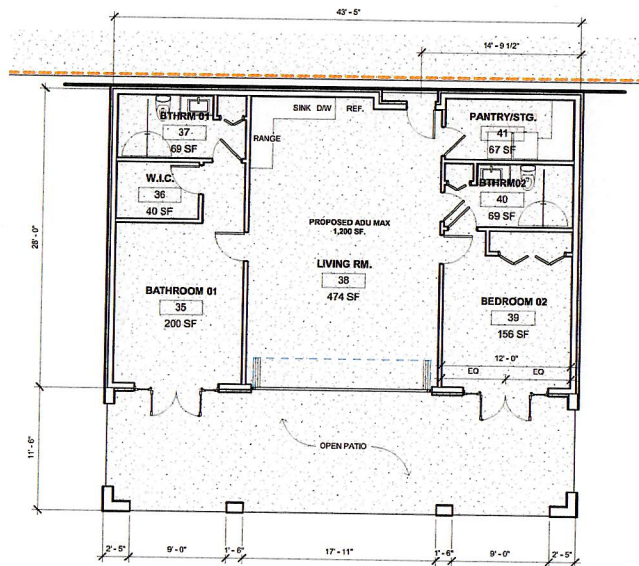
FLOOR PLAN NOTES

- ALL FLOOR PLAN DIMENSIONS ARE FROM FACE OF STUD TO FACE OF STUD, U.O.N. WHERE CLEAR DIMENSION IS INDICATED, IT SHALL BE FROM FACE OF FINISH TO FACE OF FINISH. WHERE CENTERLINE DIMENSION IS INDICATED, IT SHALL BE FROM CENTERLINE OF OBJECT NOTED.
- CONTRACTOR TO PROVIDE RECESSED BOXES BEHIND ALL REFRIGERATORS, ICE MAKERS & WATER LINE AND WASHED DRYER. CAULKING ALL AROUND RECESSED BOXES.
- REFER TO PROJECT INFORMATION SHEET FOR ROOF/ATTIC & UNDERFLOOR VENTILATION CALCULATIONS.
- PROVIDE FLOORING TRANSITION STRIP BETWEEN DISSIMILAR MATERIALS.
- MECHANICAL & PLUMBING VENTS THROUGH EXTERIOR WALLS SHALL BE EQUIPPED WITH WALL CAP, BUILT-IN BACKDRAFT DAMPER & BIRD SCREEN.
 - WILDLAND URBAN INTERFACE FIRE HAZARD AREA
 - A. EXTERIOR WALL COVERING ARE CONSTRUCTED OF NON-COMBUSTIBLE MATERIALS.
 - B. EXTERIOR WALL VENTS ARE CRAWL SPACE VENTS, COMBUSTION AIR VENTS, ETC. SPECIFY SUCH OPENING SHALL BE COVERED WOOD/IRON/ALUMINUM NON-COMBUSTIBLE WIRE MESH WITH MESH OPENINGS OF 1/8 INCH MAX. PER CRC R337.6.2.
- FOR ROOM FINISHES, SEE ROOM FINISH SCHEDULE SHEET
- SEE INTERIOR ELEVATION SHEETS FOR MOUNTING HEIGHTS OF BATHROOM ACCESSORIES, COUNTERTOP HEIGHTS.
- SEE SHEET A-4.1 FOR ABBREVIATIONS, LEGENDS, SYMBOLS.
- WHERE DOOR LOCATIONS ARE NOT SPECIFIED, CENTER IN WALL OR INSTALL 4" FROM FACE OF ADJACENT WALL FRAMING.
- ALL INTERIOR WALLS TO BE WALL TYPE C U.O.N. - SEE WALL LEGEND.
- EACH BEDROOM AND OUTSIDE SLEEPING AREA, PROVIDED WITH A SMOKE AND CARBON MONOXIDE DETECTORS INSTALLED IN A ACCORDANCE WITH CRC R.315 CARBON MONOXIDE ALARM SCHEMATIC WITH SMOKE SHALL COMPLY WITH SECTION R310. ALL APPLICABLE STANDARD, AND REQUIREMENTS FOR LISTING AND APPROVAL BY THE OFFICE OF THE STATE FIRE MARSHAL, FOR SMOKE ALARM.

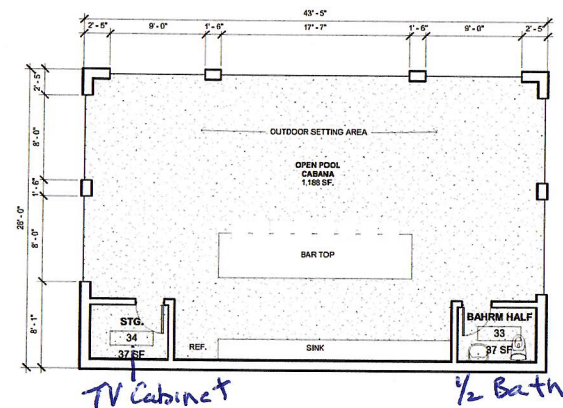
FLOOR PLAN KEYNOTES

- TOILET - SELECTED BY OWNER
- TOILET-PAPER HOLDER - SELECTED BY OWNER
- PEDESTAL SINK - SELECTED BY OWNER
- MIRROR - SEE INTERIOR ELEVATIONS FOR DIMENSIONS
- TOWEL BAR TO BE SELECTED - PROVIDE BLKS IN WALL
- COUNTER TOP - SELECTED BY OWNER
- SHOWER - SEE DTL. AND . SHOWER SURROUND - SELECTED BY OWNER
- SHOWER HEAD - SELECTED BY OWNER
- PULL DOWN ATTIC ACCESS, SEE DTL.
- LAVATORY AND FAUCET - SELECTED BY OWNER
- GAS FIREPLACE - SELECTED BY OWNER
- ADJUSTABLE SHOWER HEAD W/SHOWER - SELECTED BY OWNER
- WALK-IN BATH TUB EQUIPPED WITH EXTENSION BOX TO FIT OPENING, SEE DTL.
- DISHWASHER - SEE APPLIANCE & EQUIPMENT SCHEDULE
- REFRIGERATOR SPACE, PROVIDE RECESSED BOX FOR WATERLINE & SHUT-OFF VALVE IN WALL FOR ICE MAKER - SEE APPLIANCE & EQUIPMENT SPEC.
- UNDERCOUNTER PAM SINK, KITCHEN SINK WITH GARBAGE DISPOSAL - SELECTED BY OWNER
- GAS RANGE COOKTOP - SEE APPLIANCE & EQUIPMENT SCHEDULE
- KITCHEN ISLAND
- WINE COOLER - SELECTED BY OWNER
- MILLWORK FINISH TO BE SELECTED BY OWNER - SEE INTERIOR ELEVATIONS
- UNDERMOUNT VANTY SINK - SELECTED BY OWNER
- BAR SINK - SELECTED BY OWNER, SEE DTL.
- WALL-MOUNTED RANGE HOOD - SEE APPLIANCE & EQUIPMENT SCHEDULE
- TEMPERED GLASS SHOWER SCREEN & DOOR
- CLOTHES DRYER - PROVIDE VENT TO EXTERIOR WITH BACKDRAFT DAMPER IN ACCORDANCE WITH CMC 504.3.2 - SEE APPLIANCE & EQUIPMENT SCHEDULE
- CLOTHES WASHER - PROVIDE PLUMBING & GALVANIZED FLASHING PAN UNDER UNIT & RECESSED VALVE AND DRAIN BOX IN WALL
- PROVIDE NEW TEMPERED SHOWER GLASS DOOR WITH TOWEL BAR
- CABINET SYSTEMS - N.L.C. TO BE PROVIDED & INSTALLED BY OWNER
- DOWNSPOUT
- BUILT-IN MICROWAVE & OVEN - SELECTED BY OWNER
- UNDERCOUNTER LAZY SUSAN UNIT
- TEMPER GLASS PANEL DOOR
- BUILT-IN CABINET FOR TELEVISION
- LAUNDRY SINK - SELECTED BY OWNER
- PROVIDE HOT & COLD WATER ROUGH-IN FOR N.L.C. WATER SINK FAUCET
- CLOTHES ROD WITH 12" DEEP FIXED SHELF ABOVE, SEE DTL.
- HANDRAIL - SEE DTL.
- BUILT-IN MILLWORK - SEE INTERIOR ELEVATIONS, REFER TO MILLWORK DESIGN
- COLUMNS MOD WITH STONE VENEER BASE, SEE DTL.
- ROOF LINE ABOVE
- LINEN CLOSET - PROVIDE 2-20" DEEP SHELVES - DETERMINE SPACING ON JOB WITH ARCHITECT & CLIENT
- PANTRY SHELVES - PROVIDE ADJUSTABLE SHELVES
- CRAWL SPACE VENTILATION AREA - EXISTING LOCATION
- PATIO DECK CONCRETE OR COMPOSITE ASSEMBLY BY TREX OR EQUAL. COLOR TO BE SELECTED BY OWNER. (TO BE DETERMINED BY OWNER).
- ROOF VENT (VENTILATION) CHAGEN 72 SQ. IN. NFVA. OR EQUAL. SEE DTL.
- CONCRETE SLAB
- PRE-FABRICATED COLUMN COVER, SEE DTL.

1 FIRST LM
3/16" = 1'-0"

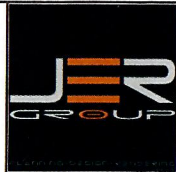


① ADU STRUCTURE
3/16" = 1'-0"



② POOL HOUSE STRUCTURE
3/16" = 1'-0"

2 Bedrooms - 300



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OWNER

CHRIS & JANNY SANDERS

0 GUBAL AVE. GILROY CA. 95020

835-11-124

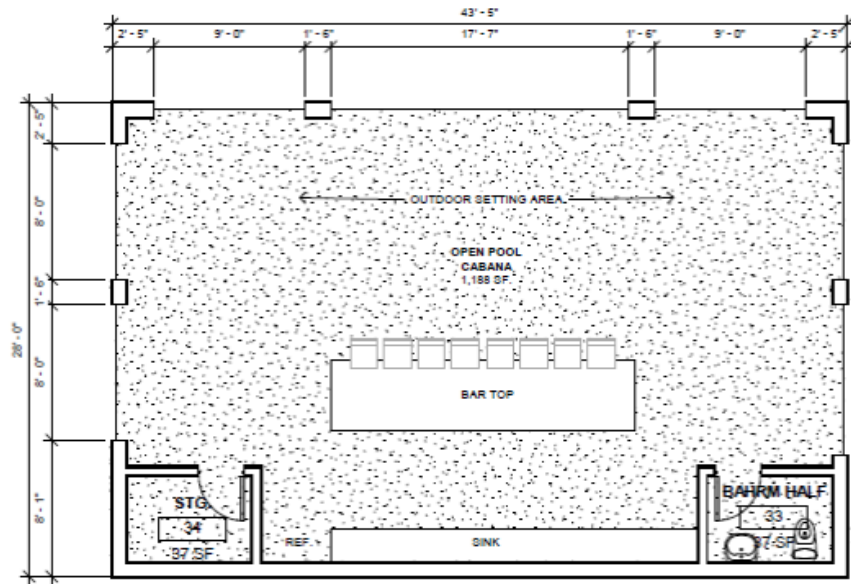
POOL / ADU STRUCTURES

MARK	DATE	DESCRIPTION
1	10/02	PLANNING

PROJECT NO: 535-11-124
CAD DWG FILE: "BActive Projects Quba"
DRAWN BY: "Andrey Khroustov"
CHKD BY: "Auerbach"
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② POOL HOUSE STRUCTURE
3/16" = 1'-0"