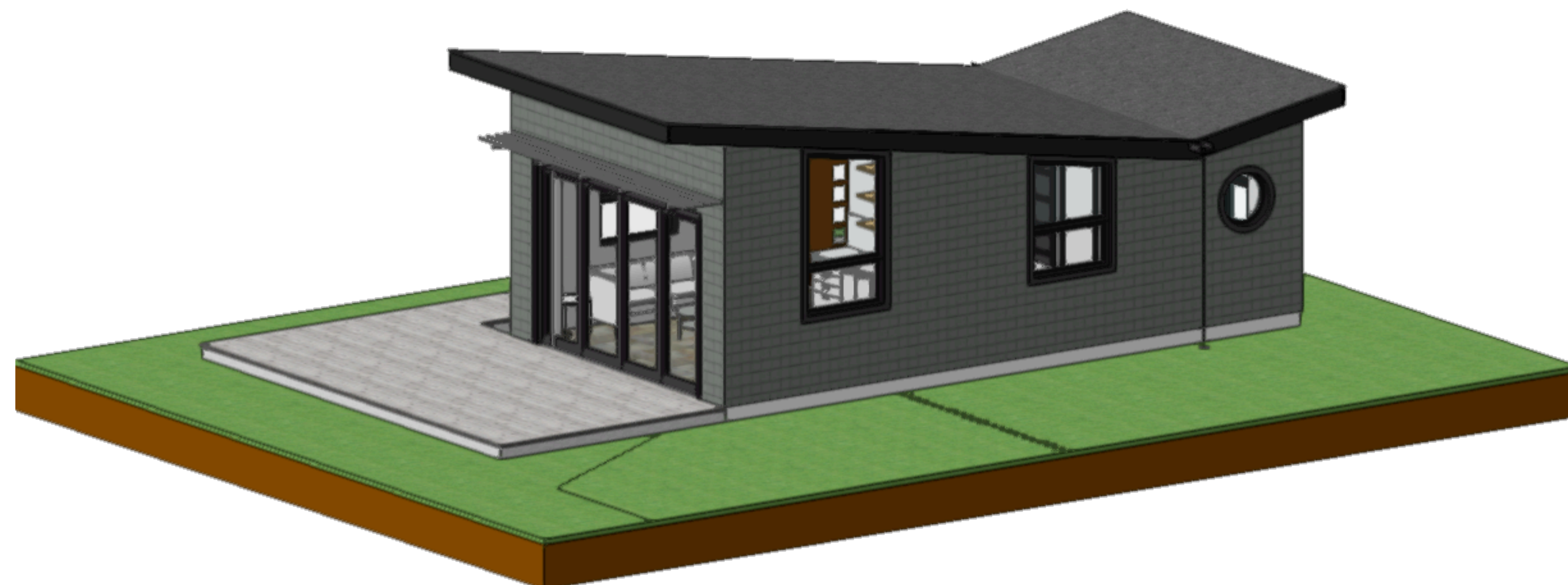


ABBREVIATIONS

&	AND	LAM.	LAMINATE	E.	EAST	S.C.	SOLID CORE
@	ANGLE	LAV.	LAVATORY	EA.	EACH	SCHED.	SCHEDULE
CL	AT	L.O.	LINE OF LIGHT	EL.	ELEVATION	S.D.	SOAP DISPENSER
	CENTERLINE	LT.		ELEC.	ELECTRICAL	SECT.	SECTION
	DIAMETER OR ROUND			SH.	SHIELD	SHELF	SHELF
#	POUND OR NUMBER	MAX.	MAXIMUM	SHR.	SHOWER	SHOWER	SHOWER
(D)	DEMOLISH	M.C.	MEDICINE CABINET	SH.	SHEET	SHEET	SHEET
(E)	EXISTING	MECH.	MECHANICAL	EQ.	EQUAL	SIM.	SIMILAR
(R)	REMOVE	MEMB.	MEMBRANE	SL.	SLOPE	SL.	SLOPE
A.B.	ANCHOR BOLT	MFR.	MANUFACTURER	SPEC.	SPECIFICATION	SQ.	SQUARE
ADJ.	ADJACENT	MIN.	MINIMUM	S.S.D.	SEE STRUCTURAL DRAWINGS		
AGG.	AGGREGATE	MIR.	MIRROR	S.S.	STAINLESS STEEL		
ALUM.	ALUMINUM	MISC.	MISCELLANEOUS	STD.	STANDARD		
APPROX.	APPROXIMATE	MTD.	MOUNTED	STL.	STEEL		
A.S.	AIR SPACE	MTL.	METAL	STOR.	STORAGE		
		N.	NORTH	STRUC.	STRUCTURAL		
BD.	BOARD	N.I.C.	NOT IN CONTRACT	SYM.	SYMMETRICAL		
BLDG.	BUILDING	NO.	NUMBER				
BLK.	BLOCK	NOM.	NOMINAL				
BLKG.	BLOCKING	N.T.S.	NOT TO SCALE				
BM.	BEAM			F.D.	FLOOR DRAIN		
BOT.	BOTTOM	O.A.	OVERALL	FDN.	FOUNDATION		
B.O.	BOTTOM OF	OBS.	OBSCURE	FIN.	FINISH		
		OBS.	OBSCURE	FLR.	FLOOR		
CAB.	CABINET	O.C.	ON CENTER	FLSH.	FLASHING		
CEM.	CEMENT	O.D.	OUTSIDE DIAMETER	FLUOR.	FLUORESCENT		
CER.	CERAMIC	OPP.	OPPOSITE	FRT.	FIXTURE		
CLG.	CEILING			F.O.C.	FACE OF CONCRETE		
CLKG.	CALLING	P.G.	PAINT GRADE	F.O.S.	FACE OF STUD		
CL.	CLOSET	PL.	PLATE	FR.	FIRE RATED		
CLR.	CLEAR	P.LAM.	PLASTIC LAMINATE	FS.	FULL SIZE		
COL.	COLUMN	PLYWD.	PLYWOOD	FT.	FOOT OR FEET		
CONC.	CONCRETE	PR.	PAIR	FTG.	FOOTING		
CONT.	CONTINUOUS	PROP. LN.	PROPERTY LINE	FURR.	FURRING		
CTR.	CENTER	P.T.	PRESSURE TREATED	G.S.M.	GALVANIZED SHEET		
		R.	RISER	GA.	METAL GAUGE		
DBL.	DOUBLE	RAD.	RADIUS	G.F.I.	GROUND FAULT INTERCEPTOR		
DET.	DETAIL	RDWD.	REDWOOD	GL.	GLASS		
DIA.	DIAMETER	REF.	REFERENCE	GND.	GROUND GRADE		
DIM.	DIMENSION	REFRIG.	REFRIGERATOR	GR.	GRADE		
DISP.	DIPENSER	REINF.	REINFORCED	GYP.	GYPSONUM		
DN.	DOWN	REQ'D.	REQUIRED	H.	HIGH		
D.O.	DOOR OPENING	RM.	ROOM	H.B.	HOSE BIB		
DR.	DOOR	R.O.	ROUGH OPENING	H.C.	HOLLOW CORE		
D.S.	DOWNSPOUT			HDWD.	HARDWOOD		
DWG.	DRAWING			HDWR.	HARDWARE		
DWR.	DRAWER	S.	SOUTH	HGT.	HEIGHT		
				HORIZ.	HORIZONTAL		
				HR.	HOUR		
				I.D.	INSIDE DIAMETER		
				INSUL.	INSULATION		
				INT.	INTERIOR		

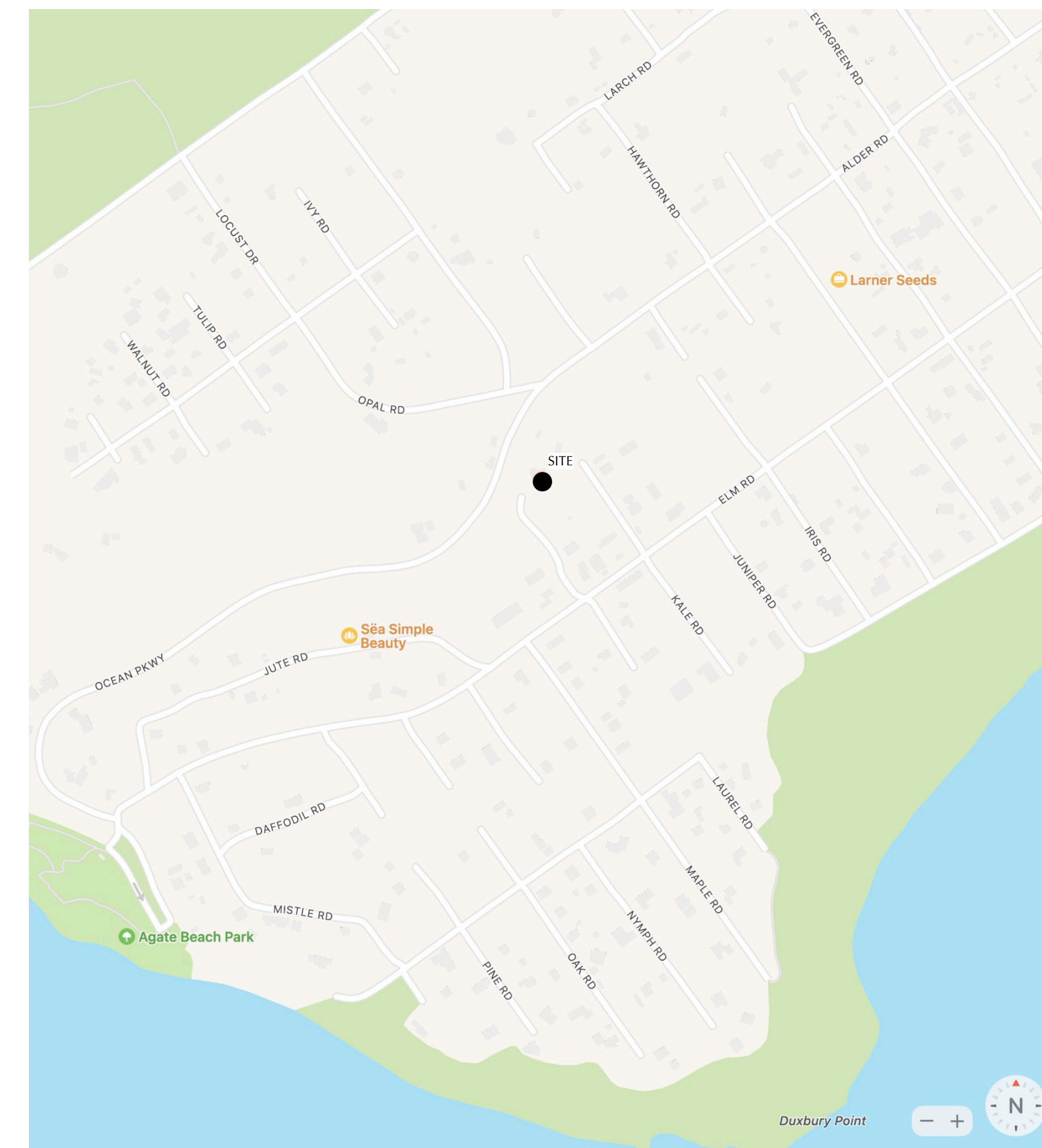
GENERAL NOTES

- ALL WORK SHALL BE IN COMPLIANCE WITH ALL APPLICABLE BUILDING CODES AND REGULATIONS. THE 2022 CALIFORNIA BUILDING STANDARD CODE WAS USED FOR THE DESIGN OF THIS PROJECT (2022 CALIFORNIA BUILDING CODE, 2022 CALIFORNIA RESIDENTIAL BUILDING CODE, 2022 CALIFORNIA PLUMBING CODE, 2022 CALIFORNIA MECHANICAL CODE, 2022 CALIFORNIA ELECTRICAL CODE, 2022 CALIFORNIA FIRE CODE, CALIFORNIA ENERGY CODE & GREEN BUILDING STANDARDS).
- ALL SUBCONTRACTORS TO THE GENERAL CONTRACTOR SHALL INSPECT THE SITE AND SHALL CONVEY ANY QUESTIONS REGARDING DESIGN INTENT AND SCOPE OF WORK TO THE DESIGNER PRIOR TO SUBMITTING BID AND PRIOR TO COMMENCING WORK.
- ALL CONSTRUCTION MATERIALS AND SUPPLIES ARE TO BE STORED, HANDLED AND INSTALLED ACCORDING TO MANUFACTURERS' RECOMMENDATIONS.
- IF ERRORS OR OMISSIONS ARE FOUND IN THE DRAWINGS, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGNER BEFORE PROCEEDING WITH THE WORK.
- DRAWINGS SCHEMATICALLY INDICATE NEW CONSTRUCTION. THE CONTRACTOR SHOULD ANTICIPATE, BASED ON EXPERIENCE, A REASONABLE NUMBER OF ADJUSTMENTS TO BE NECESSARY TO MEET THE DESIGN OBJECTIVES AND SHOULD CONSIDER SUCH ADJUSTMENTS AS INCLUDED IN THE SCOPE OF WORK.
- ALL DIMENSIONS ARE TO BE TAKEN FROM NUMERIC DESIGNATIONS ONLY; DIMENSIONS ARE NOT TO BE SCALED OFF OF DRAWINGS.
- THESE NOTES APPLY TO ALL DRAWINGS AND GOVERN UNLESS MORE SPECIFIC REQUIREMENTS ARE INDICATED APPLICABLE TO PARTICULAR DIVISIONS OF WORK. SEE SPECIFICATIONS AND GENERAL NOTES IN THE SUBSECTIONS OF THESE DRAWINGS.
- ALL DIMENSIONS FOR NEW CONSTRUCTION ARE TO FACE OF STUD, UNLESS OTHERWISE NOTED..



PROJECT DATA

PROJECT ADDRESS:	270 LAUREL ROAD BOLINAS, CA
APN:	191-011-37 & 06
OWNERS:	FRANCESCA VIETOR 2111 TURK STREET SAN FRANCISCO, CA 94115 415-929-0879 EMAIL:
ZONING:	C-RA-B2
LOT AREA:	27,330 SQ. FT. + 4,000 SQ. FT. = 31,330 SQ. FT.
BUILDING AREA / FLOOR AREA:	
(N) DETACHED GUEST COTTAGE	
FOOTPRINT:	498 SQ. FT.
CONDITIONED SPACE:	442 SQ. FT.
BEDROOMS:	1
BATHROOMS:	1
DECKS:	513 SQ. FT.
(E) MAIN HOUSE (NO WORK ON THIS PERMIT)	
MAIN LEVEL:	2,148 SQ. FT.
BASEMENT/UTILITY LEVEL:	361.3 SQ. FT.
TOTAL:	2,510.3 SQ. FT.
BEDROOMS:	3
BATHROOMS:	3
(E) ADU (NO WORK THIS PERMIT)	
BEDROOMS:	1
BATHROOMS:	1
TOTAL BUILDING AREA / FLOOR AREA:	3,407 SQ. FT.
PROPOSED AREA OF ADDITIONAL DISTURBANCE:	1,327 SQ. FT.
EXISTING LOT COVERAGE	
IMPERMEABLE	9.3%
PERMEABLE	6.2
PROPOSED LOT COVERAGE	
IMPERMEABLE	9.7%
PERMEABLE	6.9%
EXISTING F.A.R. (MERGED LOTS):	9.3%
PROPOSED F.A.R. (MERGED LOTS):	10.9%
OFF STREET PARKING (ON PROPERTY):	3 SPACES
ON STREET PARKING:	4 SPACES
MINIMUM SETBACK TO PROPERTY LINE	10'-0"
MAXIMUM HEIGHT FROM (E) GRADE	13'-10"
LATITUDE:	37°53'59.77"
LONGITUDE:	122°42'13.12"



VICINITY MAP

SCOPE OF WORK

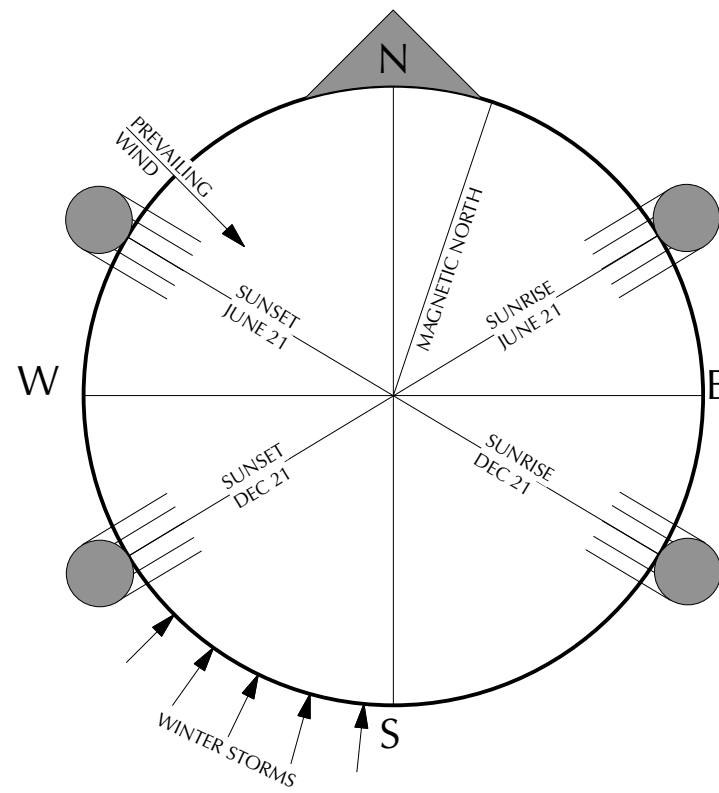
THE SCOPE OF WORK FOR THIS PROJECT IS TO MERGE A 4,000 SQ. FT. UNDEVELOPED LOT WITH THE DEVELOPED PROPERTY OWNED BY FRANCESCA VIETOR AND BUILD A NEW 498 SQ. FT. DETACHED GUEST ROOM ON THAT PORTION OF THE NEWLY MERGED LOTS. THE GUEST ROOM WILL HAVE A FULL BATH AND A SMALL WET BAR.

SHEET INDEX

SHEET NO.	DESCRIPTION
A1	TITLE SHEET, VICINITY MAP, ABBREVIATIONS, SYMBOLS KEY, PROJECT DATA
A2	SITE PLAN
A3	ENLARGED PARTIAL SITE PLAN, STORY POLE PLAN
A4	MAIN HOUSE FLOOR PLAN
A5	PROPOSED FLOOR PLAN, BUILDING SECTIONS
A6	EXTERIOR ELEVATIONS
A7	ROOF PLAN, SCHEDULES
A8	MATERIALS BOARD, EXTERIOR LIGHTING
A9	BEST CONSTRUCTION PRACTICES
SHEET 1	SEWAGE DISPOSAL PLAN - SITE PLAN
SHEET 2	SEWAGE DISPOSAL PLAN / CONSTRUCTION DETAILS
SHEET 3	SEWAGE DISPOSAL PLAN / CONSTRUCTION DETAILS

VIETOR GUEST HOUSE
270 LAUREL ROAD
BOLINAS, CA 94924
191-011-37& 06

No.	Date	Issue Notes
 Design Firm Alethea Patton Design P.O. Box 98 Philo, CA 95466 415-226-8900		
Consultant		
Project Title VIETOR GUEST HOUSE 270 LAUREL ROAD BOLINAS, CA 94924		
Sheet Title TITLE SHEET		
Project Manager afp	Project ID	Project ID
Drawn By AFP	Scale	AS SHOWN
Reviewed By	Sheet No.	A1
Date 4/22/25		of
CAD File Name Vietor Guest House.vwx		9

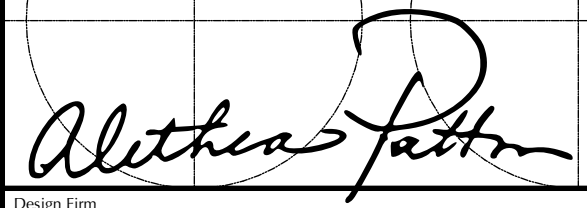


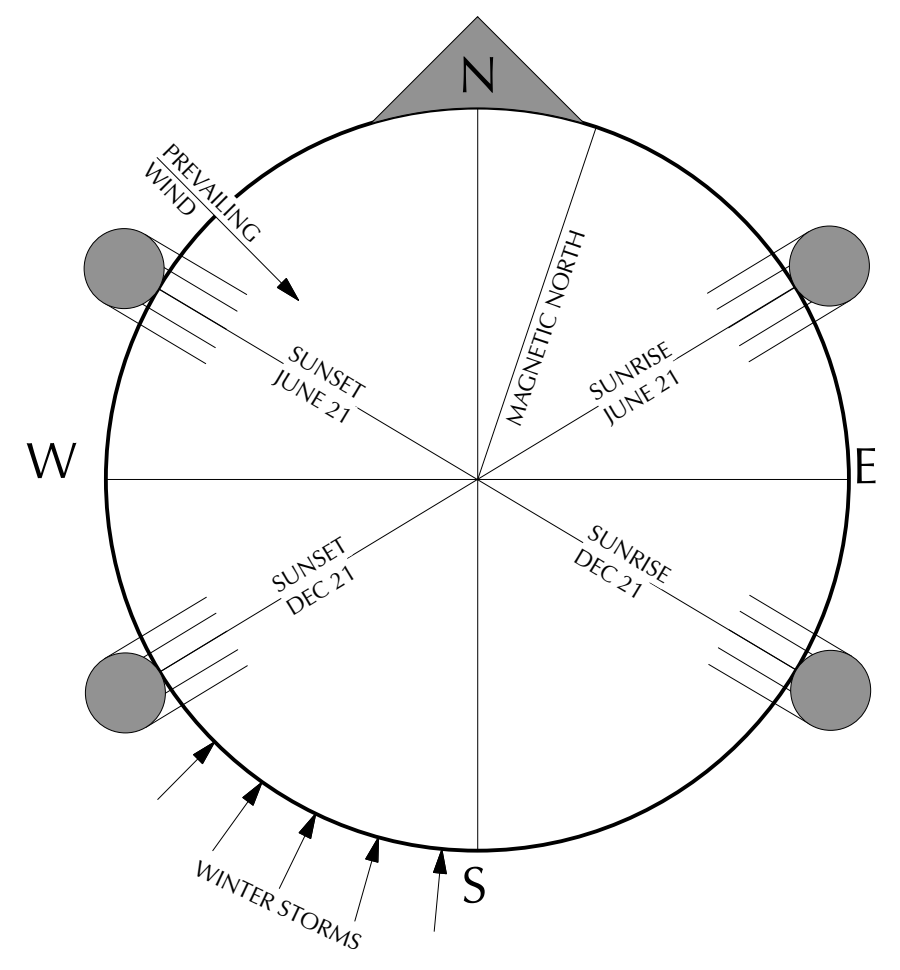
EROSION CONTROL NOTES
 THIS PROPERTY IS LOCATED WITHIN THE ELSBURG WEEP
 OAKS SPECIAL AGROLOGICAL SIGNIFICANCE. NO HERBICIDES
 OR FERTILIZERS ARE ALLOWED TO BE USED ON THIS AREA.
 BROKEN CONCRETE PATCHES
 ARE TO BE INSTALLED PRIOR TO ANY CONSTRUCTION
 OCCURRING BETWEEN EXISTING UTILITIES.
 MEANS OF ACCESS TO THE CONSTRUCTION ZONE SHALL BE
 FROM THE ON-SITE PARKING AREA LOCATED ON LAUREL
 ROAD.
 THE ONLY DEVIATION TO OCCUR FOR THE GUEST HOUSE
 FOOTING.
 THE CONSTRUCTION ZONE IS TO BE REVEGETATED AND
 WORN SURFACE SHALL BE REVEGETATED IN ANY GRASSY
 AREAS DISTURBED DURING CONSTRUCTION.

1
A2
REDUCED SITE PLAN
1" = 20'-0"

LABELER: 10/27/21 BY
LAWOFFICE: 10/27/21 4:18

VIETOR GUEST HOUSE
270 LAUREL ROAD
BOLINAS, CA 94924
191-011-37 & 06

No.	Date	Issue Notes
 Design Firm: Alethea Patton Design P.O. Box 98 Philo, CA 95466 415-226-8900		
Consultant:		
Project Title: VIETOR GUEST HOUSE 270 LAUREL ROAD BOLINAS, CA 94924		
Sheet Title: REDUCED SITE PLAN		
Project Manager: afp	Project ID:	Project ID
Drawn By: AFP	Scale:	1"=20'
Reviewed By:	Sheet No.:	A2
Date: 4/22/25		of
CAD File Name: Vietor Guest House.vwx		9

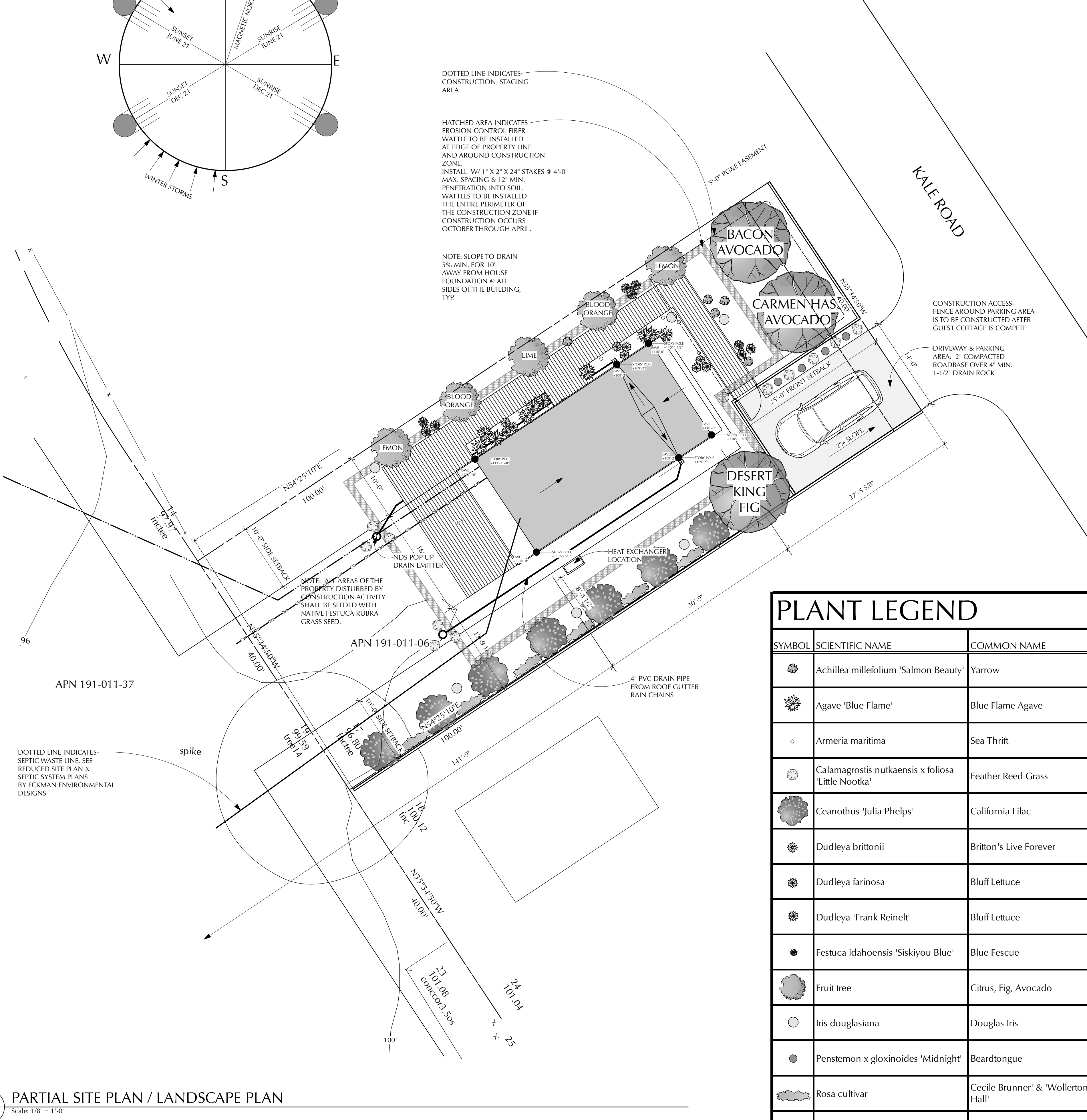


DOTTED LINE INDICATES CONSTRUCTION STAGING AREA

HATCHED AREA INDICATES EROSION CONTROL FIBER WATTLE TO BE INSTALLED AT EDGE OF PROPERTY LINE AND AROUND CONSTRUCTION ZONE. INSTALL 1' X 2' X 24" STAKES @ 4'-0" MAX. SPACING & 12" MIN. PENETRATION INTO SOIL. WATTLES TO BE INSTALLED THE ENTIRE PERIMETER OF THE CONSTRUCTION ZONE IF CONSTRUCTION OCCURS OCTOBER THROUGH APRIL.

NOTE: SLOPE TO DRAIN 5% MIN. FOR 10' AWAY FROM HOUSE FOUNDATION @ ALL SIDES OF THE BUILDING, TYP.

NOTE: ALL AREAS OF THE PROPERTY DISTURBED BY CONSTRUCTION ACTIVITY SHALL BE SEEDED WITH NATIVE FESTUCA RUBRA GRASS SEED.



EROSION CONTROL NOTES

THIS PROPERTY IS LOCATED WITHIN THE DUXBURY REEF AREA OF SPECIAL BIOLOGICAL SIGNIFICANCE. NO HERBICIDES OR PESTICIDES ARE ALLOWED TO BE USED IN THIS AREA.

EROSION CONTROL WATTLES ARE TO BE INSTALLED PRIOR TO ANY CONSTRUCTION OCCURRING BETWEEN OCTOBER 15TH & APRIL 15TH.

MEANS OF ACCESS TO THE CONSTRUCTION ZONE WILL BE FROM THE ONSITE PARKING AREA LOCATED ON KALE ROAD.

THE ONLY EXCAVATION TO OCCUR IS FOR THE GUEST COTTAGE FOOTING.

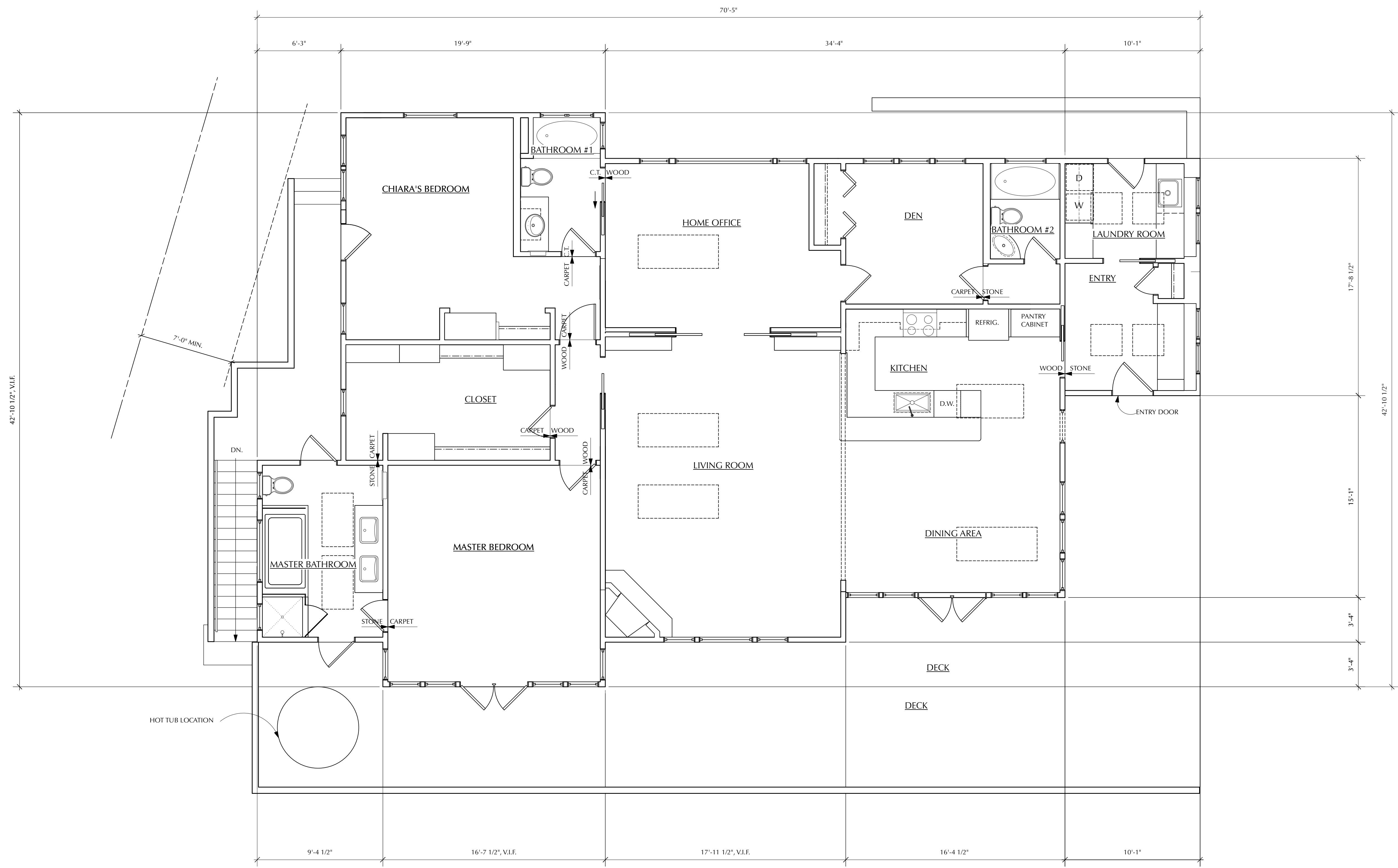
THE CONSTRUCTION ZONE IS TO BE ROTOTILLED AND NATIVE RED FESCUE GRASS PLANTED IN ANY GRASSY AREAS DISTURBED DURING CONSTRUCTION.

VIETOR GUEST HOUSE
 270 LAUREL ROAD
 BOLINAS, CA 94924
 191-011-37 & 06

PLANT LEGEND					
SYMBOL	SCIENTIFIC NAME	COMMON NAME	SIZE	QUANTITY	REMARKS
	Achillea millefolium 'Salmon Beauty'	Yarrow	4"	5	California Native Plant. Available through Cal Flora Nursery.
	Agave 'Blue Flame'	Blue Flame Agave	1 Gallon	10	Available through San Marcus Growers.
	Armeria maritima	Sea Thrift	4"	5	California Native Plant. Available at Cal Flora Nursery.
	Calamagrostis nutkaensis x foliosa 'Little Nootka'	Feather Reed Grass	1 Gallon	11	California Native Plant. Available through Cal Flora Nursery.
	Ceanothus 'Julia Phelps'	California Lilac	5 Gallon	7	California Native Plant. Available through Cal Flora Nursery, Suncrest Nursery.
	Dudleya brittonii	Britton's Live Forever	4"	3	California Native Plant. Available through Cal Flora Nursery.
	Dudleya farinosa	Bluff Lettuce	4"	3	California Native Plant. Available through Cal Flora Nursery.
	Dudleya 'Frank Reinelt'	Bluff Lettuce	4"	3	California Native Plant. Available at Cal Flora Nursery.
	Festuca idahoensis 'Siskiyou Blue'	Blue Fescue	4"	9	California Native Plant. Available at Emerisa Gardens.
	Fruit tree	Citrus, Fig, Avocado	15 Gal.	8	Non native food producing trees.
	Iris douglasiana	Douglas Iris	1 Gallon	7	California Native Plant. Available through Cal Flora Nursery.
	Penstemon x gloxinoides 'Midnight'	Beardtongue	1 Gallon	4	
	Rosa cultivar	Cecile Brunner' & 'Wollerton Old Hall'	15 Gal.	6	3 of each.

PARTIAL SITE PLAN / LANDSCAPE PLAN
 Scale: 1/8" = 1'-0"

No.	Date	Issue Notes
 Alethea Patton Design P.O. Box 98 Philo, CA 95466 415-226-8900		
Consultant		
Project Title VIETOR GUEST HOUSE 270 LAUREL ROAD BOLINAS, CA 94924		
Sheet Title PARTIAL SITE PLAN		
Project Manager afp	Project ID	Project ID
Drawn By AFP	Scale	1/8" = 1'-0"
Reviewed By	Sheet No.	A3
Date 4/22/25		of
CAD File Name Vietor Guest House.vwx		9

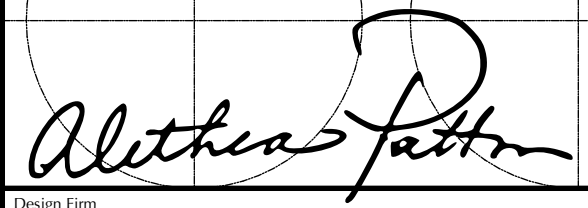


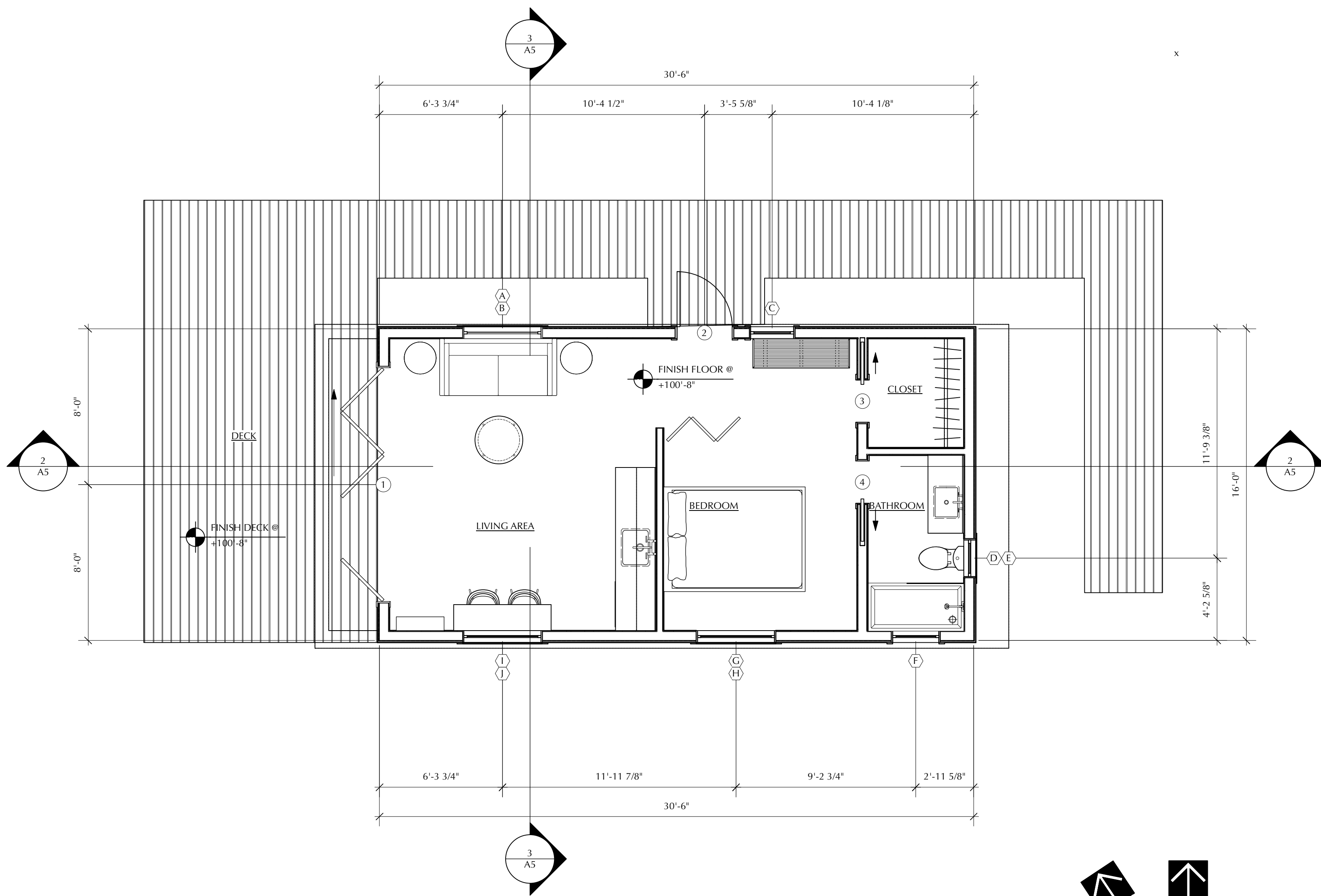
HOT TUB LOCATION

1
A5 EXISTING MAIN HOUSE FLOOR PLAN - NOT WORK
Scale: 1/4" = 1'-0"

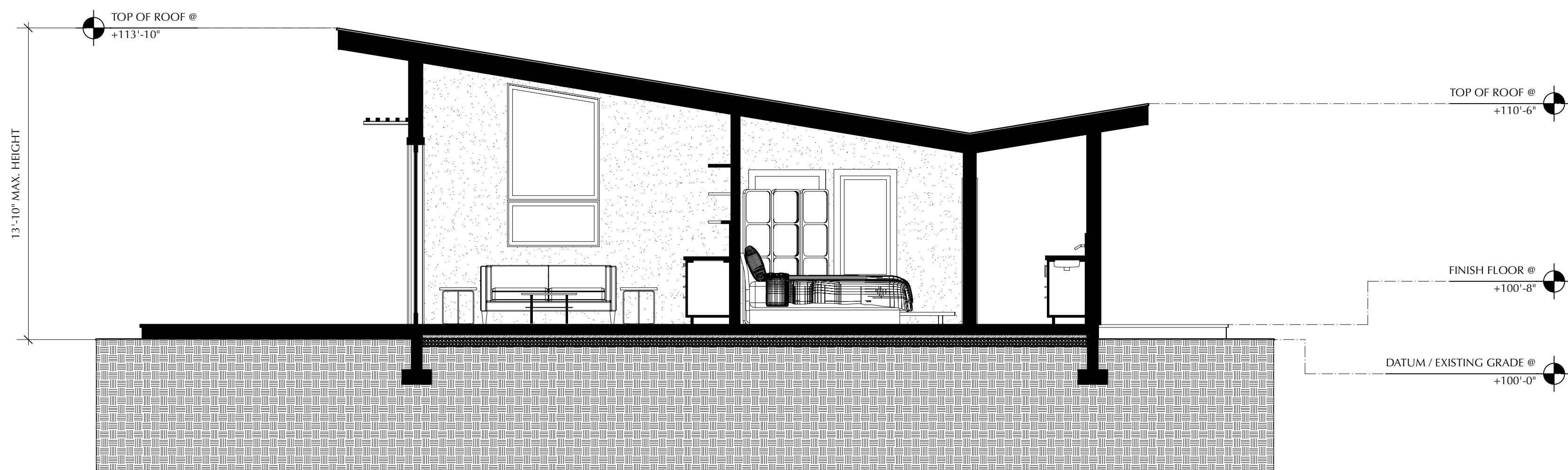
VIETOR GUEST HOUSE
 270 LAUREL ROAD
 BOLINAS, CA 94924
 191-0111-37 & 06

No.	Date	Issue Notes

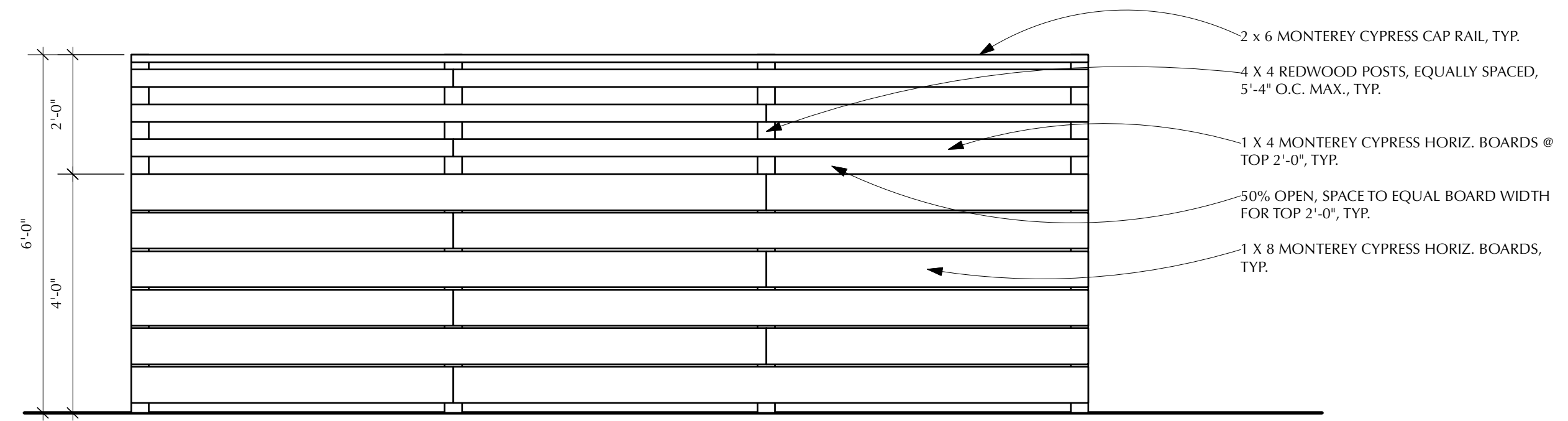
 Alethea Patton Design P.O. Box 98 Philo, CA 95466 415-226-8900	
Consultant	
Project Title VIETOR GUEST HOUSE 270 LAUREL ROAD BOLINAS, CA 94924	
Sheet Title EXISTING MAIN HOUSE PLAN	
Project Manager afp	Project ID Project ID
Drawn By AFP	Scale 1/8" = 1'-0"
Reviewed By	Sheet No.
Date 4/22/25	A4 of 9
CAD File Name Vietor Guest House.vwx	



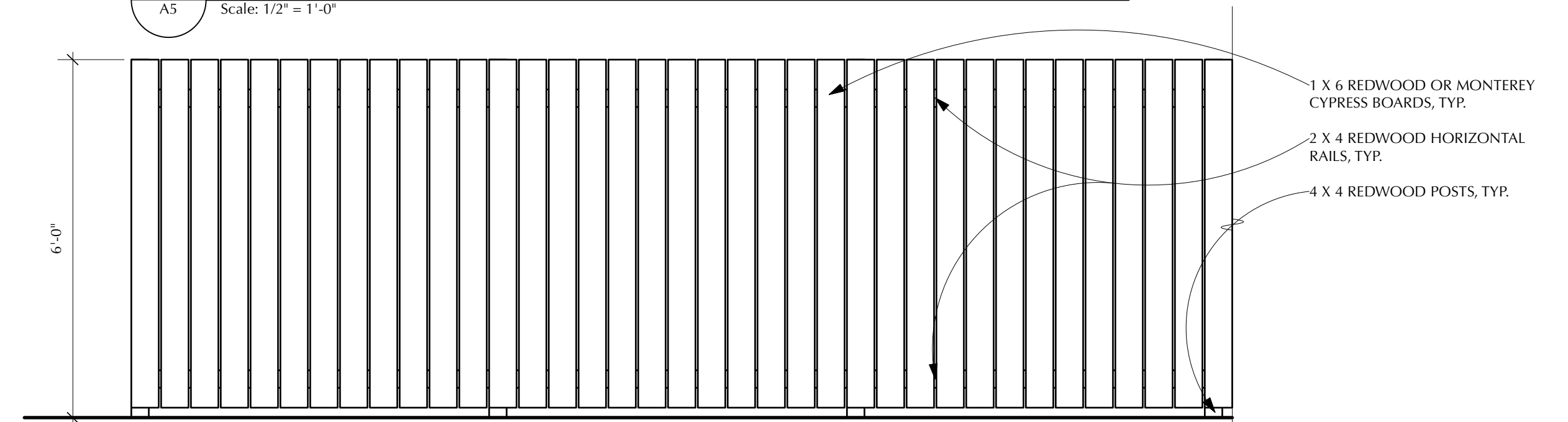
1 A5 PROPOSED FLOOR PLAN
Scale: 1/4" = 1'-0"



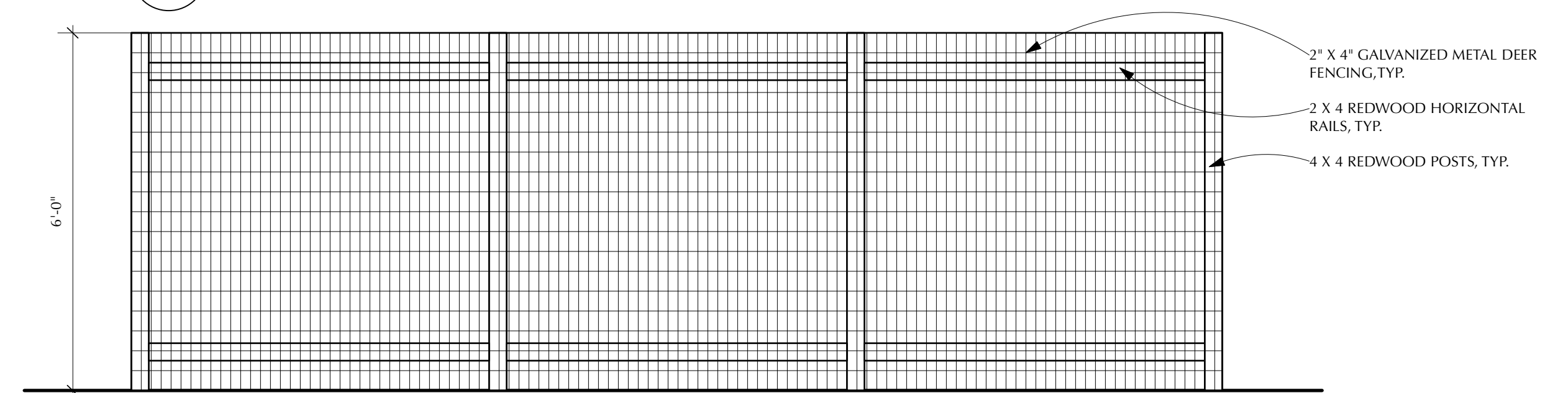
2 A5 TRANSVERSE SECTION
Scale: 1/4" = 1'-0"



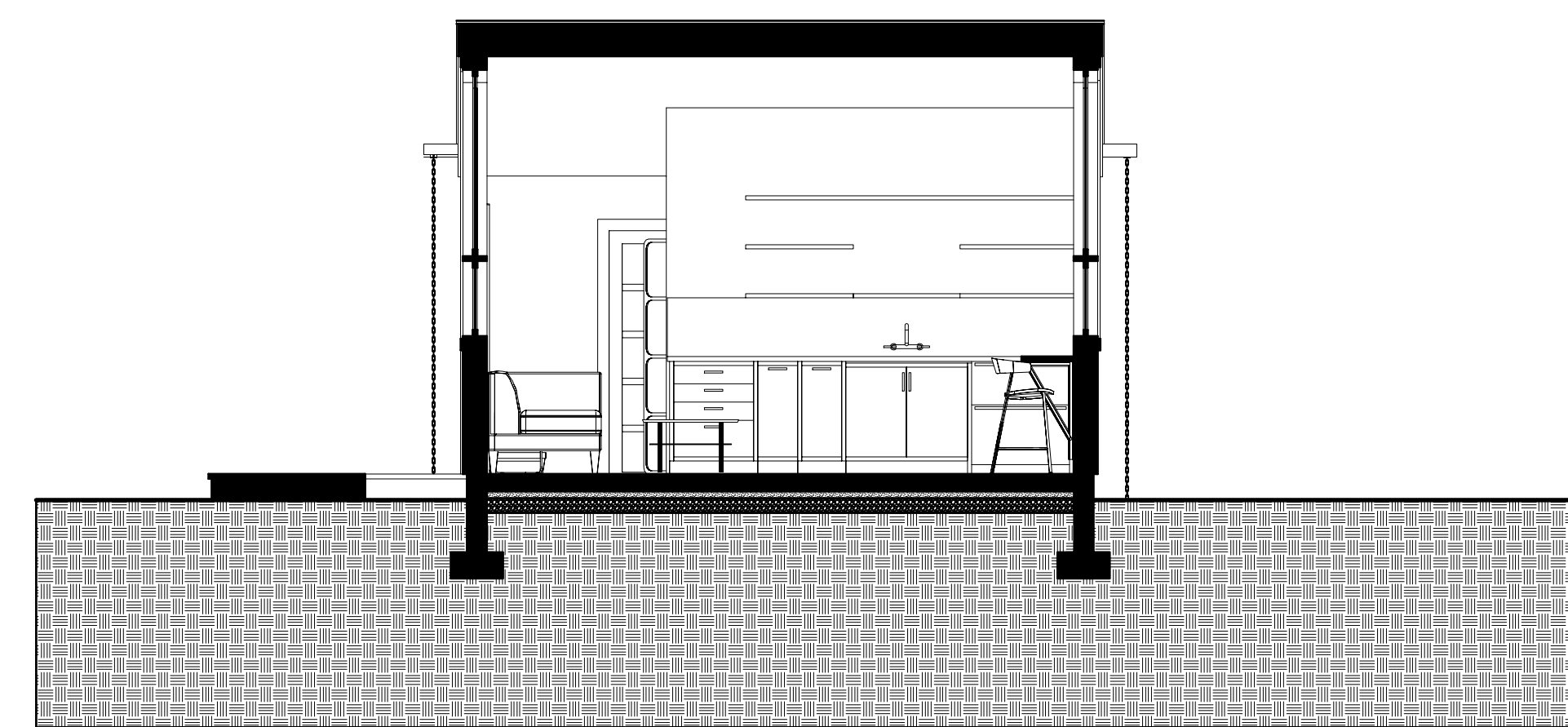
4 A5 FRONT & SIDE FENCE TO 25' FROM FRONT PROPERTY LINE
Scale: 1/2" = 1'-0"



5 A5 SOUTH SIDE PROPERTY LINE FENCE
Scale: 1/2" = 1'-0"



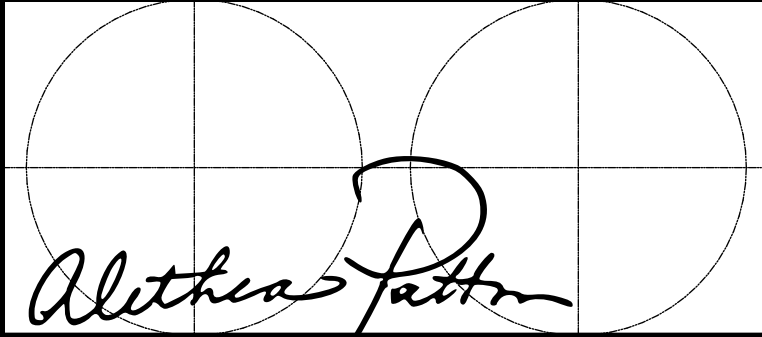
6 A5 NORTH SIDE PROPERTY LINE FENCE
Scale: 1/2" = 1'-0"



3 A5 CROSS SECTION
Scale: 1/4" = 1'-0"

VICTOR GUEST HOUSE
270 LAUREL ROAD
BOLINAS, CA 94924
191-0111-37& 06

No.	Date	Issue Notes



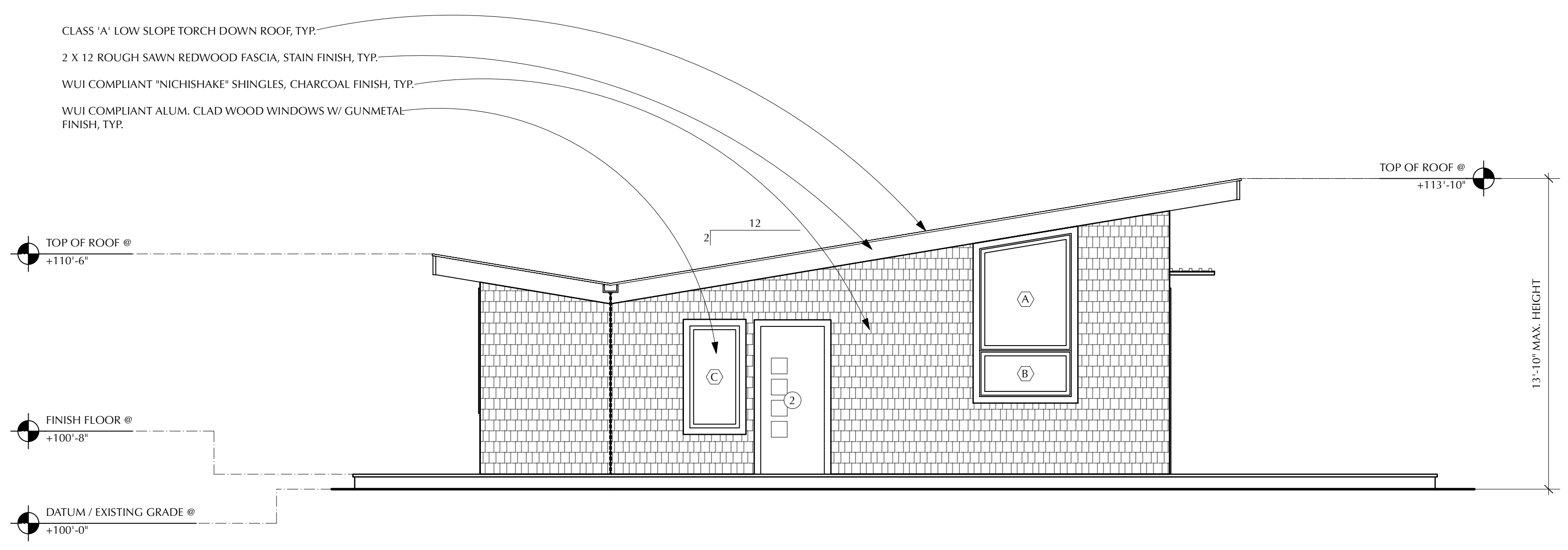
Alethea Patton Design
P.O. Box 98
Philo, CA 95466
415-226-8900

Consultant

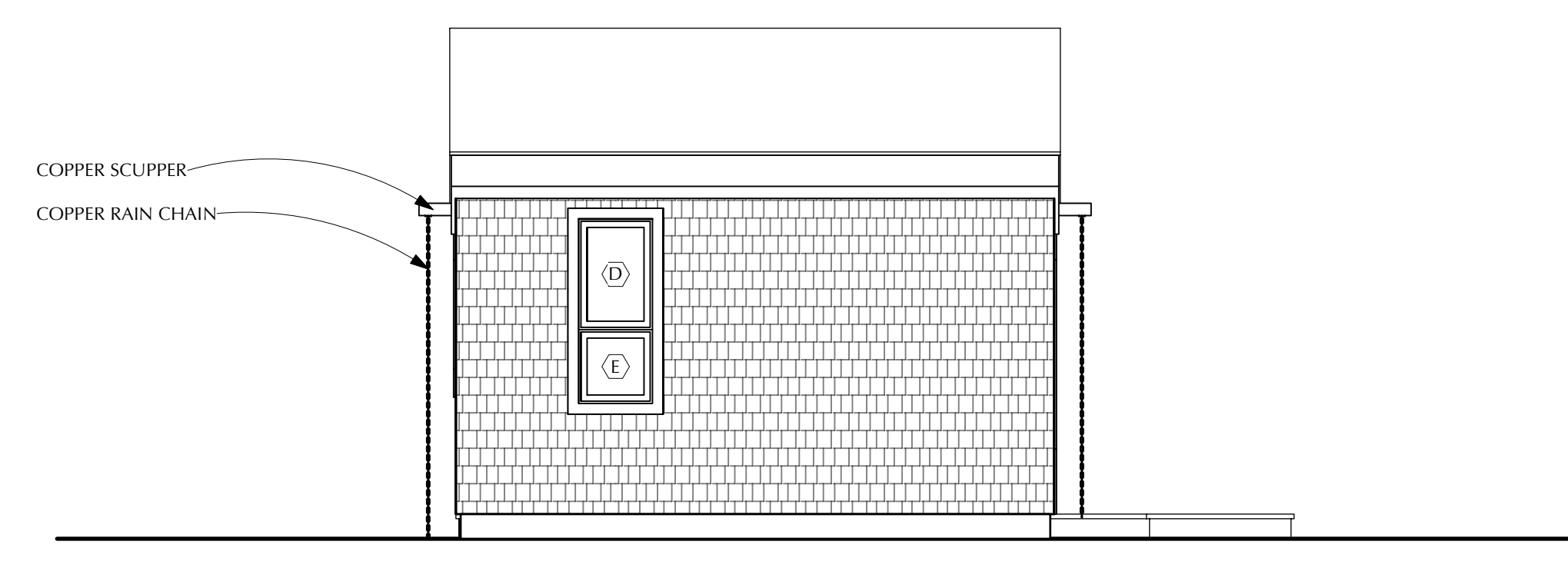
Project Title
VIKTOR GUEST HOUSE
270 LAUREL ROAD
BOLINAS, CA 94924

Sheet Title
PROPOSED FLOOR PLAN

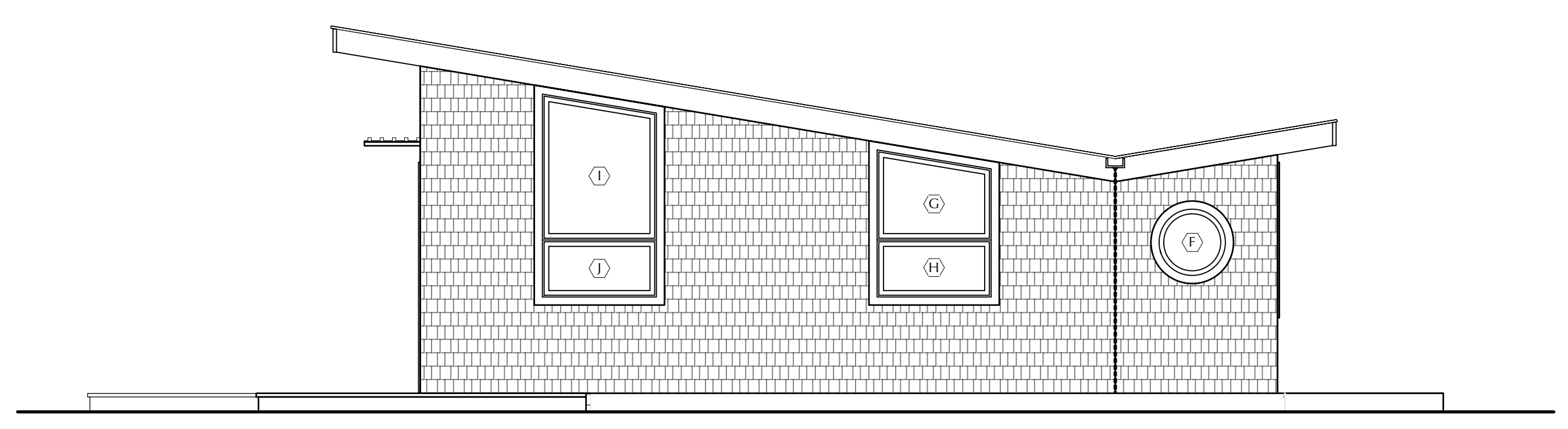
Project Manager afp	Project ID Project ID
Drawn By AFP	Scale AS SHOWN
Reviewed By	Sheet No. A5
Date 4/22/25	of
CAD File Name Vietor Guest House.vwx	9



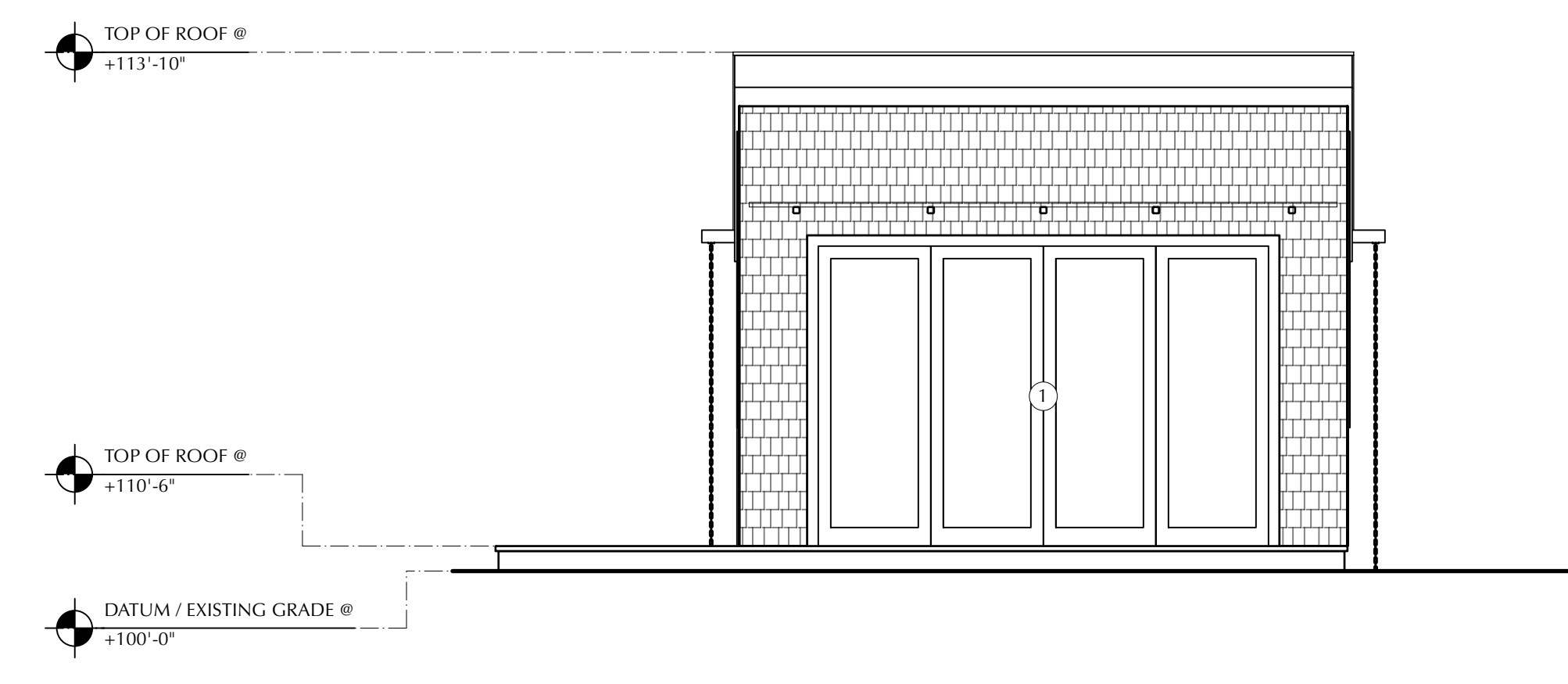
1
A6
NORTH ELEVATION
Scale: 1/4" = 1'-0"



2
A6
EAST ELEVATION
Scale: 1/4" = 1'-0"

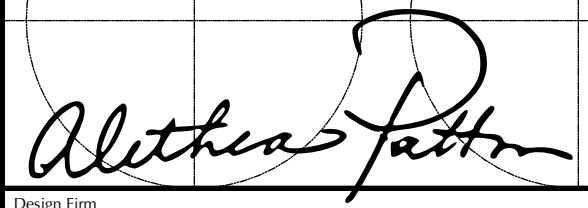


3
A6
SOUTH ELEVATION
Scale: 1/4" = 1'-0"

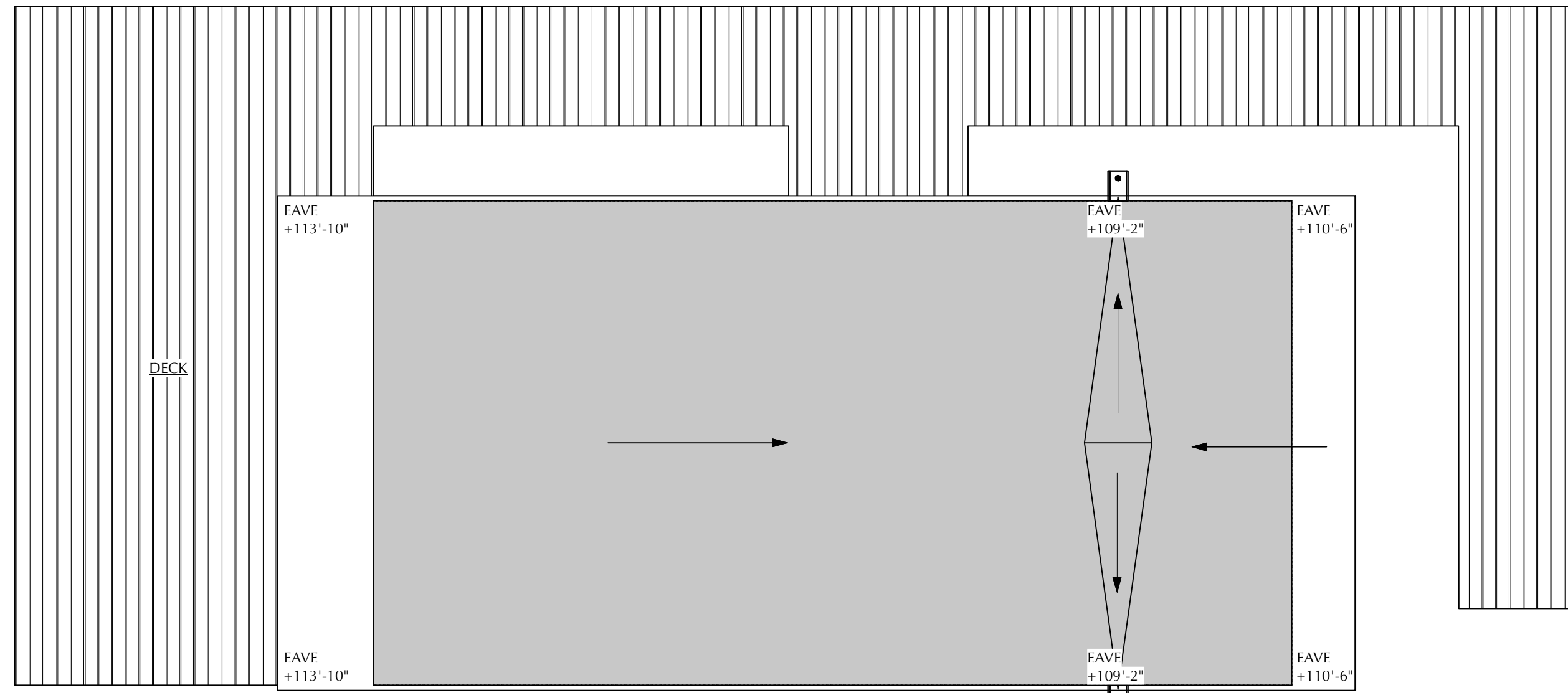


4
A6
WEST ELEVATION
Scale: 1/4" = 1'-0"

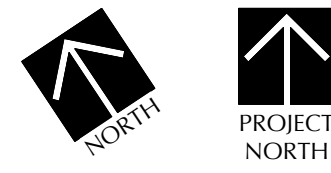
VIETOR GUEST HOUSE
270 LAUREL ROAD
BOLINAS, CA 94924
191-0111-37& 06

No.	Date	Issue Notes
 Alethea Patton Alethea Patton Design P.O. Box 98 Philo, CA 95466 415-226-8900		
Project Title		
VIETOR GUEST HOUSE 270 LAUREL ROAD BOLINAS, CA 94924		
Sheet Title		
PROPOSED ELEVATIONS		
Project Manager	afp	Project ID
Drawn By	AFP	Scale
Reviewed By		AS SHOWN
Date	4/22/25	Sheet No.
CAD File Name	Viotor Guest House.vwx	A6 of 9

VIETOR GUEST HOUSE
270 LAUREL ROAD
BOLINAS, CA 94924
191-011-37& 06



PROPOSED ROOF PLAN
 Scale: 1/4" = 1'-0"



DOOR SCHEDULE										
DOOR	FRAME									
MARK	WIDTH	HEIGHT	THK	TYPE	CORE	FINISH	MATERIAL	FINISH	HARDWARE	REMARKS
1	12'-0"	8'-0"	1-3/4"	MULTI-FOLD FULL LITE	ALUM. / GLASS	GUNMETAL	ALUM. / WOOD	BRONZE	ENTRY / DEADBOLT	MARVIN ELEVATE MULTI-FOLD 4 PANEL DOOR. 3L 1R AS VIEWED FROM THE EXTERIOR.
2	3'-0"	6'-8"	1-3/4"	SOLID CORE	WOOD	PAINT	WOOD	PAINT	ENTRY / DEADBOLT	VINTAGE MIDCENTURY MODERN ENTRY DOOR, TBD.
3	2'-2"	6'-8"	1-3/8"	SOLID CORE POCKET	WOOD	STAIN	WOOD	STAIN	POCKET PASSAGE	
4	2'-2"	6'-8"	1-3/8"	SOLID CORE POCKET	WOOD	STAIN	WOOD	STAIN	POCKET PASSAGE	
5										

WINDOW SCHEDULE							
MARK	MANUFACTURER	MODEL #	SIZE (R.O.) WXH	TYPE	FINISH	QUANTITY	REMARKS
A	MARVIN	ELEVATE ELAWN4923	4'-1" X 1'-11 5/8"	AWNING	BRONZE EXT. / DESIGNER BLACK INT.	1	WINDOWS A & B ARE MANUFACTURED AS ONE UNIT.
B	MARVIN	ELEVATE SPECIALTY SHAPE	4'-1" X 5'-2 3/4"	FIXED	BRONZE EXT. / DESIGNER BLACK INT.	1	WINDOWS A & B ARE MANUFACTURED AS ONE UNIT. TRAPAZOID SHAPED FIXED WINDOW. SHORT LEG = 4'-6 1/2". VERIFY SLOPE MATCHES ROOF SLOPE PRIOR TO ORDERING.
C	MARVIN	ELEVATE ELCA2955E	2'-5" X 4'-7 5/8"	CASEMENT	BRONZE EXT. / DESIGNER BLACK INT.	1	HINGE LEFT AS VIEWED FROM THE EXTERIOR.
D	MARVIN	ELEVATE ELAWN2523	2'-1" X 1'-11 5/8"	AWNING	BRONZE EXT. / DESIGNER BLACK INT.	1	WINDOWS D & E ARE MANUFACTURED AS ONE UNIT.
E	MARVIN	ELEVATE SPECIALTY SHAPE	2'-1" X 2'-11 5/8"	FIXED	BRONZE EXT. / DESIGNER BLACK INT.	1	WINDOWS D & E ARE MANUFACTURED AS ONE UNIT.
F	MARVIN	ESSENTIAL SPECIALTY SHAPE	2'-4" DIAMETER	FIXED	BRONZE EXT. / DESIGNER BLACK INT.	1	CIRCULAR WINDOW.
G	MARVIN	ELEVATE ELAWN4923	4'-1" X 1'-11 5/8"	AWNING	GUNMETAL EXT. / DESIGNER BLACK INT.	1	WINDOWS G & H ARE MANUFACTURED AS ONE UNIT.
H	MARVIN	ELEVATE SPECIALTY SHAPE	4'-1" X 3'-2 3/4"	FIXED	BRONZE EXT. / DESIGNER BLACK INT.	1	WINDOWS G & H ARE MANUFACTURED AS ONE UNIT. TRAPAZOID SHAPED FIXED WINDOW. SHORT LEG = 2'-6 5/8". VERIFY SLOPE MATCHES ROOF SLOPE PRIOR TO ORDERING.
I	MARVIN	ELEVATE ELAWN4923	4'-1" X 1'-11 5/8"	AWNING	BRONZE EXT. / DESIGNER BLACK INT.	1	WINDOWS I & J ARE MANUFACTURED AS ONE UNIT.
J	MARVIN	ESSENTIAL	4'-1" X 5'-2 3/4"	FIXED	BRONZE EXT. / DESIGNER BLACK INT.	1	WINDOWS I & J ARE MANUFACTURED AS ONE UNIT. TRAPAZOID SHAPED FIXED WINDOW. SHORT LEG = 4'-6 1/2". VERIFY SLOPE MATCHES ROOF SLOPE PRIOR TO ORDERING.
K							
L							

NOTE: ALL WINDOWS ARE TO BE WUI TEMPERED LOW E2 GLAZING. CLAD FINISH IS TO BE GUNMETAL.
 NOTE: COASTAL HARDWARE PACKAGE. WINDOW HARDWARE IS TO BE OIL RUBBED BRONZE FINISH.

PLUMBING FITTING SCHEDULE					
MARK	FITTING	MANUFACTURER	MODEL #	FINISH	REMARKS
1	BAR FAUCET	KOHLER	K-28357-CP	CHROME	
2	LAVATORY FAUCET	KOHLER	K-T35909-3-CP	CHROME	WALL MOUNT FAUCET
3	SHOWER MIXER KIT	KOHLER	K-TLS35914-4-CP	CHROME	INCLUDE ROUGH IN VALVE K-8304.
4	SHOWER HEAD	SPEAKMAN	S-2251	CHROME	2.5 GPM.
5	T.P. HOLDER	KOHLER	K-35928	CHROME	
6	TOWEL BAR	KOHLER	K-35926	CHROME	

PLUMBING FIXTURE SCHEDULE					
MARK	FIXTURE	MANUFACTURER	MODEL #	COLOR	REMARKS
A	TOILET	KOHLER	K-20197-0	WHITE	12" ROUGH IN.
B	LAVATORY SINK	KOHLER	K-2330-0	WHITE	UNDERMOUNT INSTALLATION.
C	BAR SINK	RUVATI	RVH8327	STAINLESS STEEL	UNDERMOUNT INSTALLATION.
D					
E					

APPLIANCE SCHEDULE					
MARK	APPLIANCE	MANUFACTURER	MODEL #	COLOR	REMARKS
A	REFRIGERATOR	KITCHENAID	KURR114KSB	STAINLESS STEEL	UNDER-COUNTER.
B	WATER HEATER	RINNAI	RUR199e	STAINLESS STEEL	OUTDOOR INSTALLATION, INCLUDE LP GAS CONVERSION KIT
C	HEATER	MITSUBISHI	MFZ-KJ15NA / MUFZ-KJ15NAHZ	OFF WHITE	MINI-SPLIT
D					

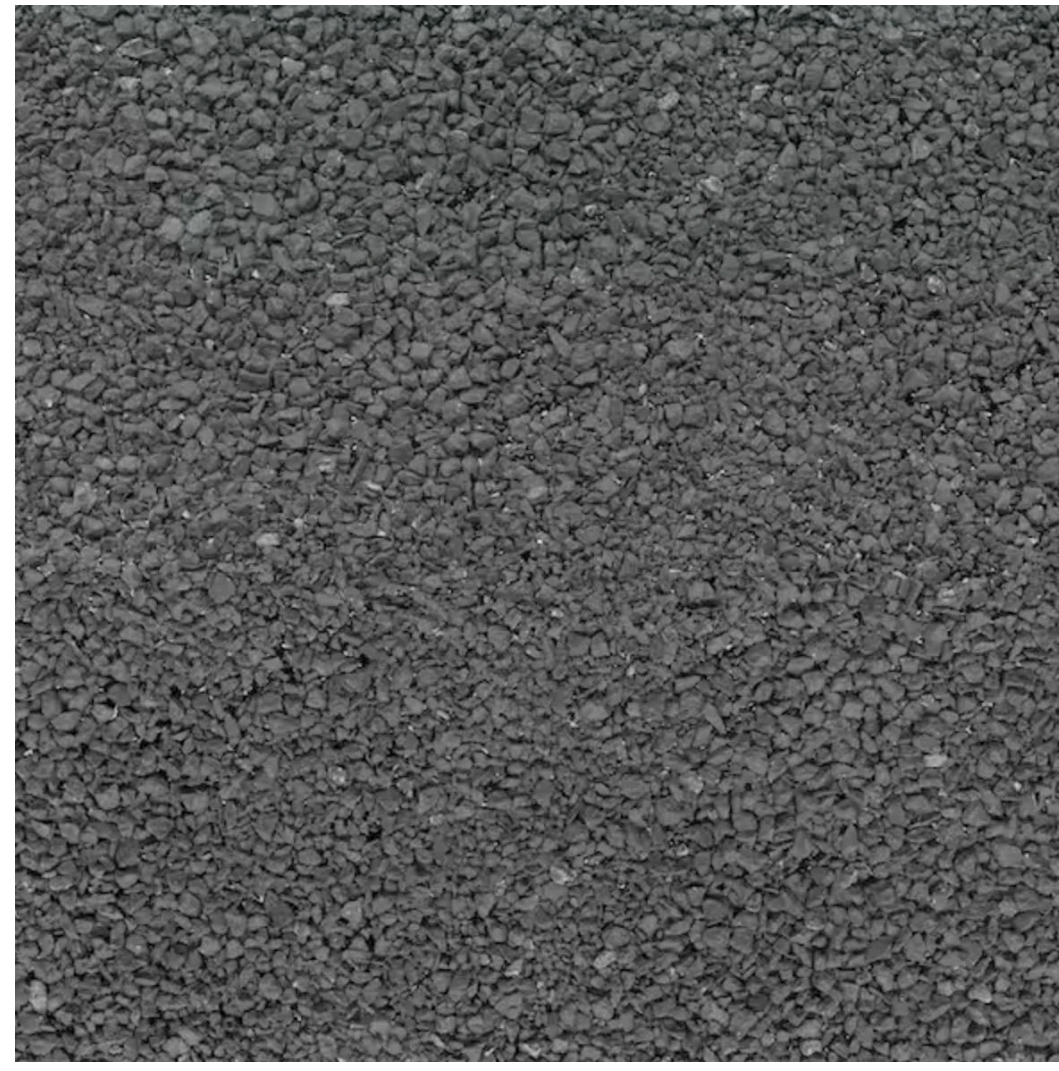
No.	Date	Issue Notes
Design Firm Alethea Patton Design P.O. Box 98 Philo, CA 95466 415-226-8900		
Consultant		
Project Title VIETOR GUEST HOUSE 270 LAUREL ROAD BOLINAS, CA 94924		
Sheet Title ROOF PLAN & SCHEDULES		
Project Manager	afp	Project ID
Drawn By	AFP	Scale
Reviewed By		AS SHOWN
Date	4/22/25	Sheet No.
CAD File Name	Viotor Guest House.vwx	A7
		of
		9



NICHIHA FIBER CEMENT SHINGLE SIDING, SIERRA PREMIUM SHAKE, PREFINISHED CHARCOAL FOR EXTERIOR SIDING



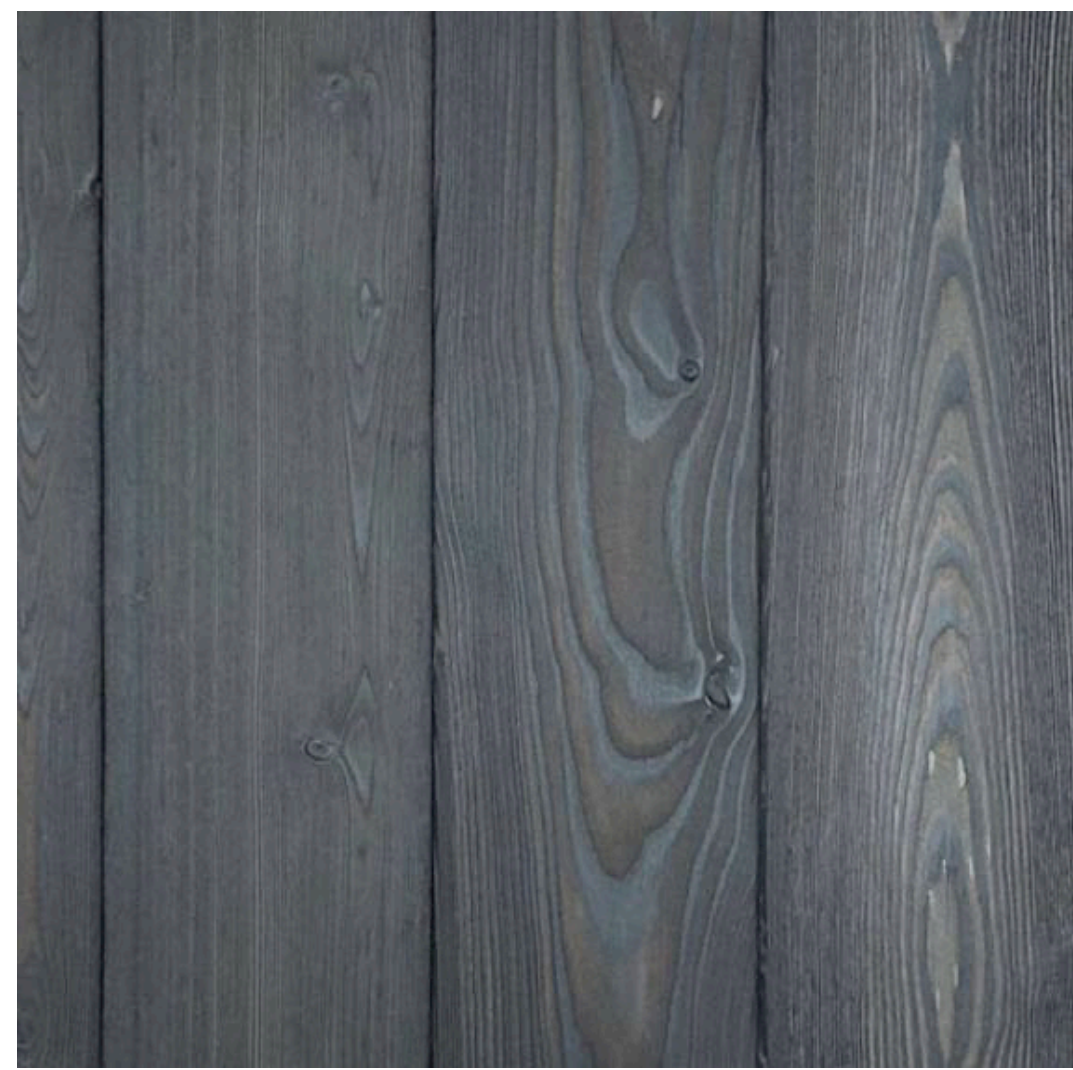
MARVIN 'ELEVATE' ALUMINUM CLAD WINDOWS, BRONZE FINISH



GAF 'LIBERTY' LOW PITCH TORCH DOWN ROOFING IN BLACK



NICHIHA FIBER CEMENT NICHIPANEL - SMOOTH FINISH FOR ROOF SOFFITS



REDWOOD WITH BLACK STAINED FINISH FOR ROOF FASCIA



CALI BRAND 'YOSEMITE' COMPOSITE DECKING



'SILAS' LED NIGHT DOWNLIGHT SCONCE FROM REJUVINATION HARDWARE



LED 'ZANDER' SOLAR PATH LIGHT FROM REJUVINATION HARDWARE

VIETOR GUEST HOUSE
270 LAUREL ROAD
BOLINAS, CA 94924
191-0111-37& 06

No.	Date	Issue Notes

Alethea Patton
 Design Firm
 Alethea Patton Design
 P.O. Box 98
 Philo, CA 95466
 415-226-8900

Consultant

Project Title
 VIETOR GUEST HOUSE
 270 LAUREL ROAD
 BOLINAS, CA 94924

Sheet Title
 MATERIALS BOARD

Project Manager
 afp Project ID

Drawn By
 AFP Scale
 AS SHOWN

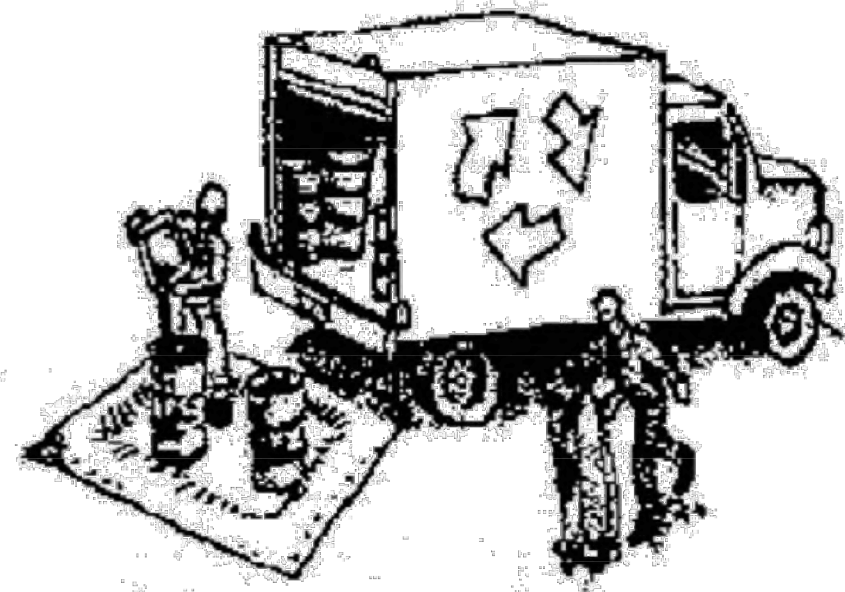
Reviewed By
 Date
 4/22/25

CAD File Name
 Vietor Guest House.vvx

Construction Best Management Practices (BMPs)

Construction projects are required to implement the stormwater best management practices (BMP) on this page, as they apply to your project, all year long.

Materials & Waste Management



Non-Hazardous Materials

- Berm and cover stockpiles of sand, dirt or other construction material with tarps when rain is forecast or if not actively being used within 14 days.
- Use (but don't overuse) reclaimed water for dust control.

Hazardous Materials

- Label all hazardous materials and hazardous wastes (such as pesticides, paints, thinners, solvents, fuel, oil, and antifreeze) in accordance with city, county, state and federal regulations.
- Store hazardous materials and wastes in water tight containers, store in appropriate secondary containment, and cover them at the end of every work day or during wet weather or when rain is forecast.
- Follow manufacturer's application instructions for hazardous materials and be careful not to use more than necessary. Do not apply chemicals outdoors when rain is forecast within 24 hours.
- Arrange for appropriate disposal of all hazardous wastes.

Waste Management

- Cover waste disposal containers securely with tarps at the end of every work day and during wet weather.
- Check waste disposal containers frequently for leaks and to make sure they are not overfilled. Never hose down a dumpster on the construction site.
- Clean or replace portable toilets, and inspect them frequently for leaks and spills.
- Dispose of all wastes and debris properly. Recycle materials and wastes that can be recycled (such as asphalt, concrete, aggregate base materials, wood, gyp board, pipe, etc.)
- Dispose of liquid residues from paints, thinners, solvents, glues, and cleaning fluids as hazardous waste.

Construction Entrances and Perimeter

- Establish and maintain effective perimeter controls and stabilize all construction entrances and exits to sufficiently control erosion and sediment discharges from site and tracking off site.
- Sweep or vacuum any street tracking immediately and secure sediment source to prevent further tracking. Never hose down streets to clean up tracking.

Equipment Management & Spill Control



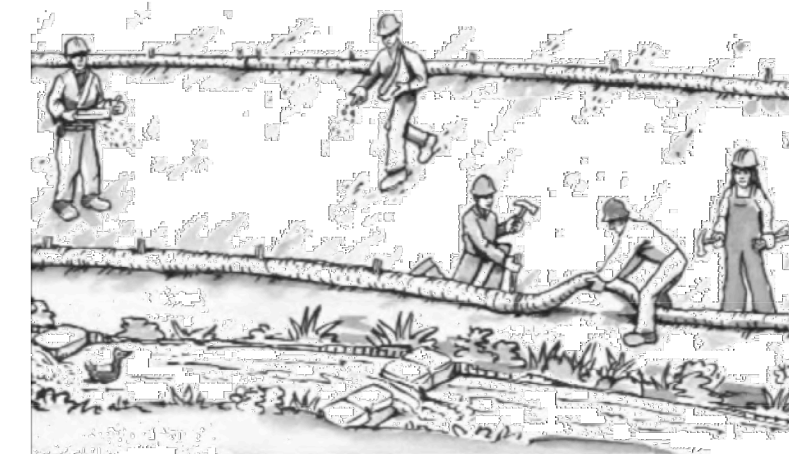
Maintenance and Parking

- Designate an area, fitted with appropriate BMPs, for vehicle and equipment parking and storage.
- Perform major maintenance, repair jobs, and vehicle and equipment washing off site.
- If refueling or vehicle maintenance must be done onsite, work in a bermed area away from storm drains and over a drip pan or drop cloths big enough to collect fluids. Recycle or dispose of fluids as hazardous waste.
- If vehicle or equipment cleaning must be done onsite, clean with water only in a bermed area that will not allow rinse water to run into gutters, streets, storm drains, or surface waters.
- Do not clean vehicle or equipment onsite using soaps, solvents, degreasers, or steam cleaning equipment.

Spill Prevention and Control

- Keep spill cleanup materials (e.g., rags, absorbents and cat litter) available at the construction site at all times.
- Inspect vehicles and equipment frequently for and repair leaks promptly. Use drip pans to catch leaks until repairs are made.
- Clean up spills or leaks immediately and dispose of cleanup materials properly.
- Do not hose down surfaces where fluids have spilled. Use dry cleanup methods (absorbent materials, cat litter, and/or rags).
- Sweep up spilled dry materials immediately. Do not try to wash them away with water, or bury them.
- Clean up spills on dirt areas by digging up and properly disposing of contaminated soil.
- Report significant spills immediately. You are required by law to report all significant releases of hazardous materials, including oil. To report a spill: 1) Dial 911 or your local emergency response number, 2) Call the Governor's Office of Emergency Services Warning Center, (800) 852-7550 (24 hours).

Earthmoving

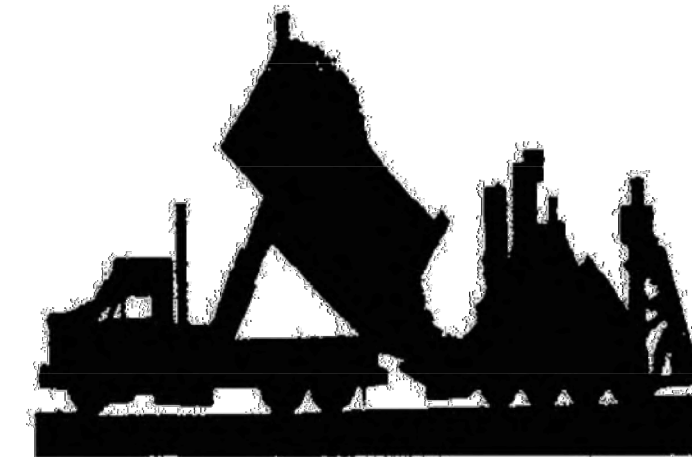


- Schedule grading and excavation work during dry weather.
- Stabilize all denuded areas, install and maintain temporary erosion controls (such as erosion control fabric or bonded fiber matrix) until vegetation is established.
- Remove existing vegetation only when absolutely necessary, and seed or plant vegetation for erosion control on slopes or where construction is not immediately planned.
- Prevent sediment from migrating offsite and protect storm drain inlets, gutters, ditches, and drainage courses by installing and maintaining appropriate BMPs, such as fiber rolls, silt fences, sediment basins, gravel bags, berms, etc.
- Keep excavated soil on site and transfer it to dump trucks on site, not in the streets.

Contaminated Soils

- If any of the following conditions are observed, test for contamination and contact the Regional Water Quality Control Board:
 - Unusual soil conditions, discoloration, or odor.
 - Abandoned underground tanks.
 - Abandoned wells
 - Buried barrels, debris, or trash.

Paving/Asphalt Work



- Avoid paving and seal coating in wet weather or when rain is forecast, to prevent materials that have not cured from contacting stormwater runoff.
- Cover storm drain inlets and manholes when applying seal coat, tack coat, slurry seal, fog seal, etc.
- Collect and recycle or appropriately dispose of excess abrasive gravel or sand. Do NOT sweep or wash it into gutters.
- Do not use water to wash down fresh asphalt concrete pavement.

Sawcutting & Asphalt/Concrete Removal

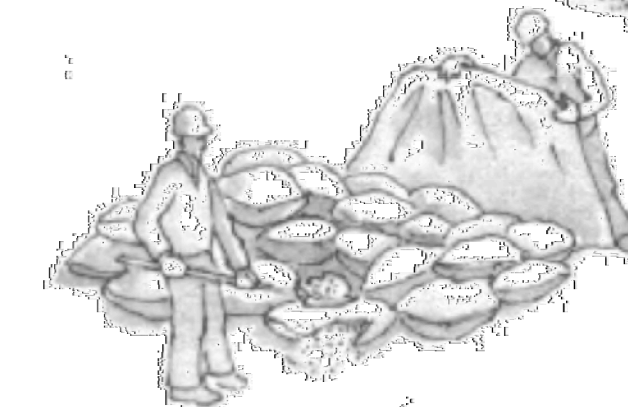
- Protect nearby storm drain inlets when saw cutting. Use filter fabric, catch basin inlet filters, or gravel bags to keep slurry out of the storm drain system.
- Shovel, absorb, or vacuum saw-cut slurry and dispose of all waste as soon as you are finished in one location or at the end of each work day (whichever is sooner!).
- If sawcut slurry enters a catch basin, clean it up immediately.

Concrete, Grout & Mortar Application



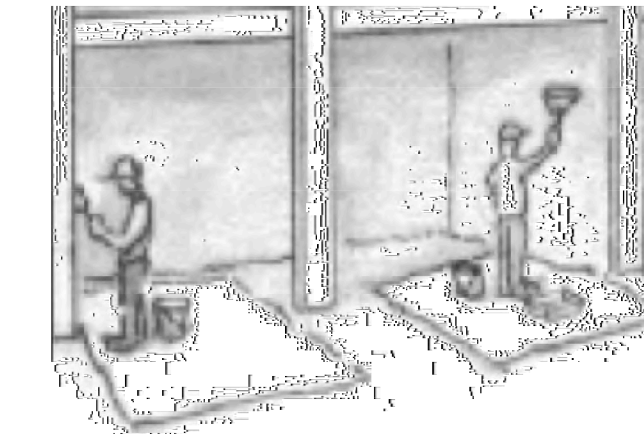
- Store concrete, grout, and mortar away from storm drains or waterways, and on pallets under cover to protect them from rain, runoff, and wind.
- Wash out concrete equipment/trucks offsite or in a designated washout area, where the water will flow into a temporary waste pit, and in a manner that will prevent leaching into the underlying soil or onto surrounding areas. Let concrete harden and dispose of as garbage.
- When washing exposed aggregate, prevent washwater from entering storm drains. Block any inlets and vacuum gutters, hose washwater onto dirt areas, or drain onto a bermed surface to be pumped and disposed of properly.

Landscaping



- Protect stockpiled landscaping materials from wind and rain by storing them under tarps all year-round.
- Stack bagged material on pallets and under cover.
- Discontinue application of any erodible landscape material within 2 days before a forecast rain event or during wet weather.

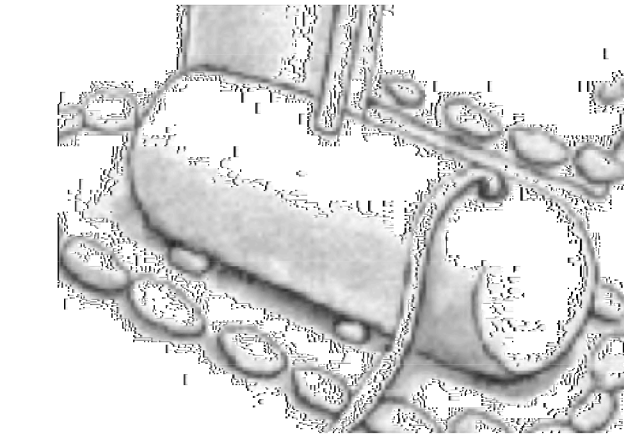
Painting & Paint Removal



Painting Cleanup and Removal

- Never clean brushes or rinse paint containers into a street, gutter, storm drain, or stream.
- For water-based paints, paint out brushes to the extent possible, and rinse into a drain that goes to the sanitary sewer. Never pour paint down a storm drain.
- For oil-based paints, paint out brushes to the extent possible and clean with thinner or solvent in a proper container. Filter and reuse thinners and solvents. Dispose of excess liquids as hazardous waste.
- Paint chips and dust from non-hazardous dry stripping and sand blasting may be swept up or collected in plastic drop cloths and disposed of as trash.
- Chemical paint stripping residue and chips and dust from marine paints or paints containing lead, mercury, or tributyltin must be disposed of as hazardous waste. Lead based paint removal requires a state-certified contractor.


Dewatering









- Discharges of groundwater or captured runoff from dewatering operations must be properly managed and disposed. When possible send dewatering discharge to landscaped area or sanitary sewer. If discharging to the sanitary sewer call your local wastewater treatment plant.
- Divert run-on water from offsite away from all disturbed areas.
- When dewatering, notify and obtain approval from the local municipality before discharging water to a street gutter or storm drain. Filtration or diversion through a basin, tank, or sediment trap may be required.
- In areas of known or suspected contamination, call your local agency to determine whether the ground water must be tested. Pumped groundwater may need to be collected and hauled off-site for treatment and proper disposal.

Storm drain polluters may be liable for fines of up to \$10,000 per day!

VIETOR GUEST HOUSE
270 LAUREL ROAD
BOLINAS, CA 94924
191-011-37& 06

No.	Date	Issue Notes
 Design Firm: Alethea Patton Design P.O. Box 98 Philo, CA 95466 415-226-8900		
Consultant:		
Project Title: VIETOR GUEST HOUSE 270 LAUREL ROAD BOLINAS, CA 94924		
Sheet Title: BEST CONSTRUCTION PRACTICES		
Project Manager	afp	Project ID
Drawn By	AFP	Scale
Reviewed By		AS SHOWN
Date	4/22/25	Sheet No.
CAD File Name	Viotor Guest House.vwx	A9
		of
		9

LEGEND

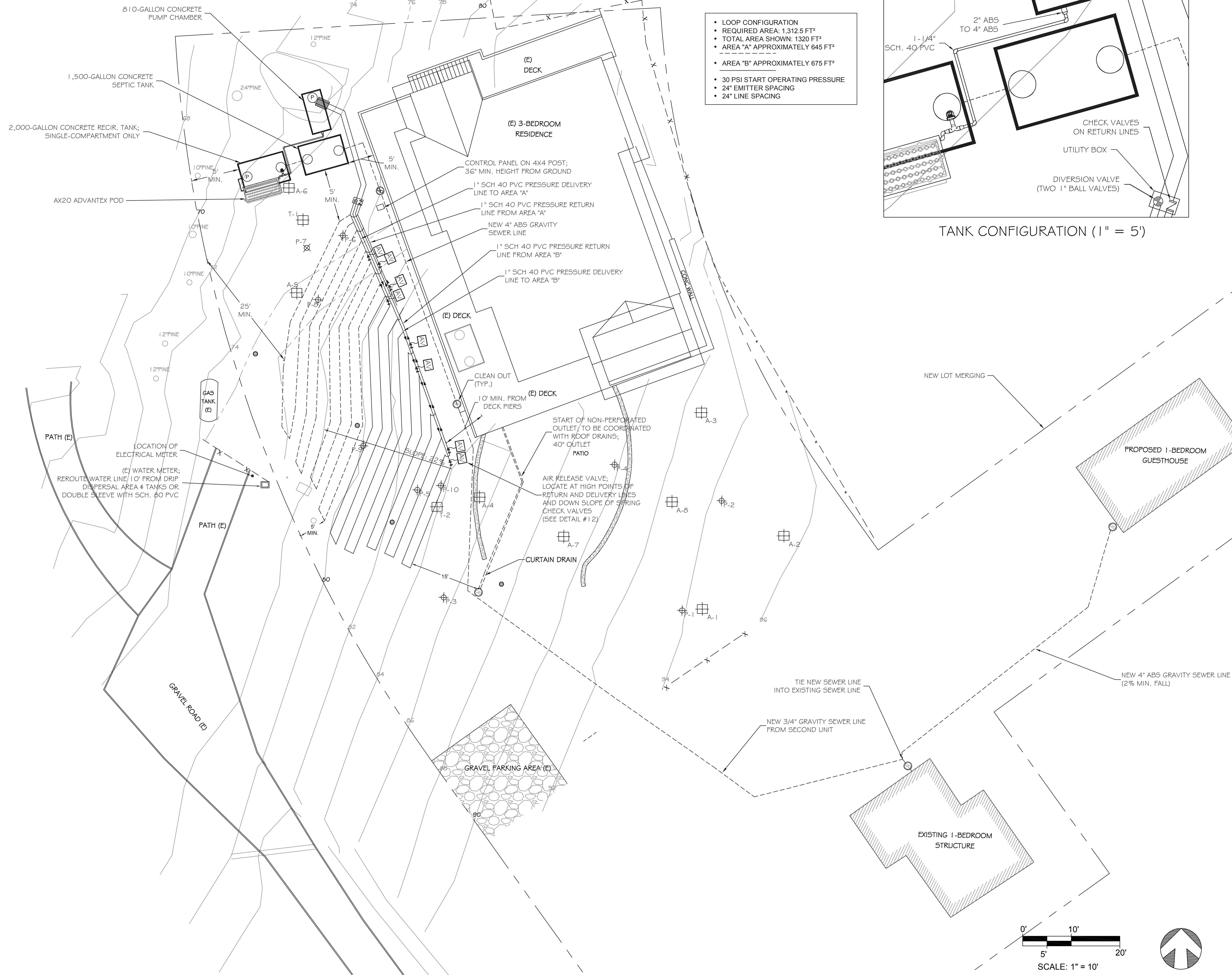
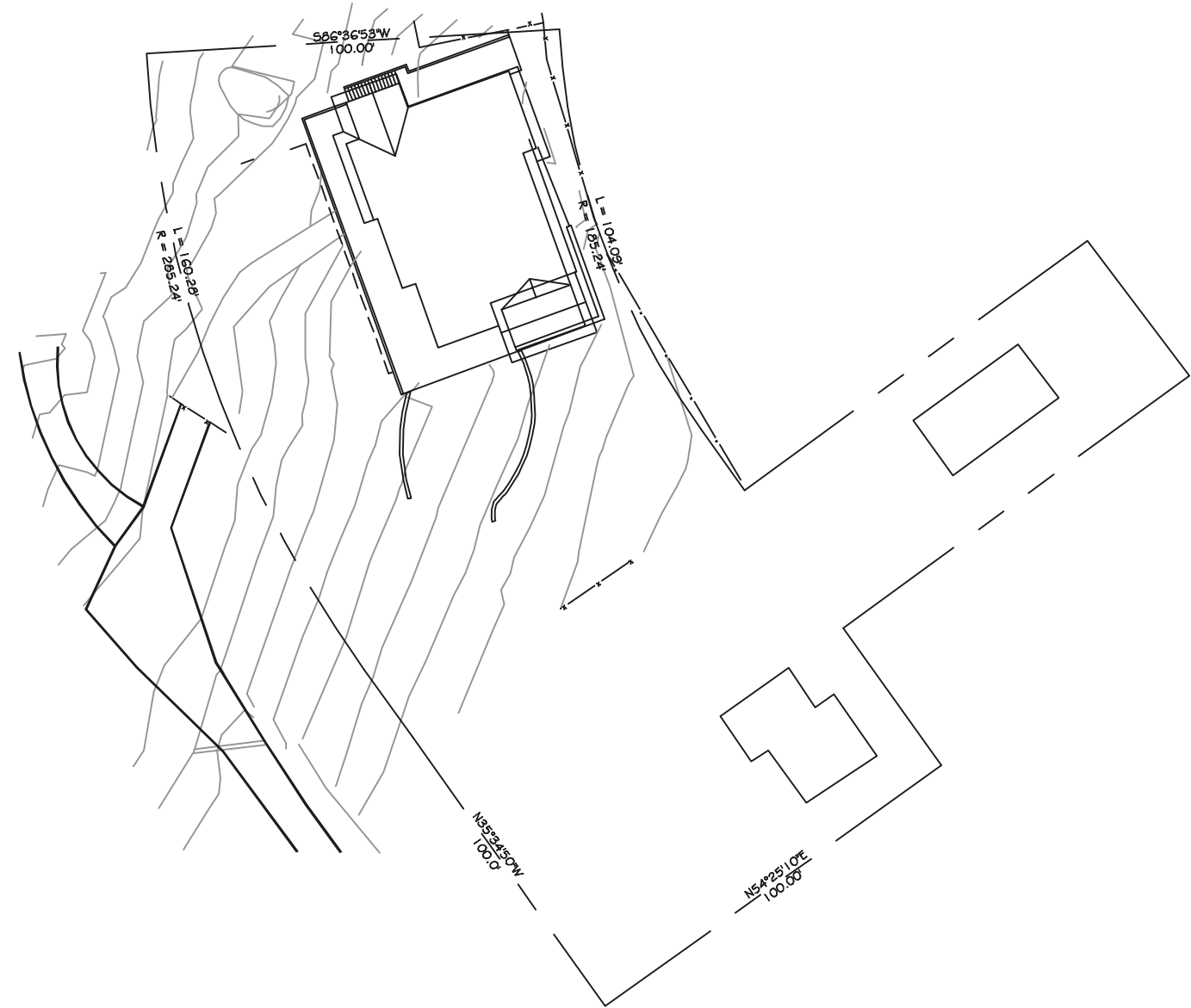
-  Soil Profile Trench
-  Air Release Valve
-  Percolation Test
-  Check Valve
-  Diversion Valve
-  Monitoring Well

NOTES

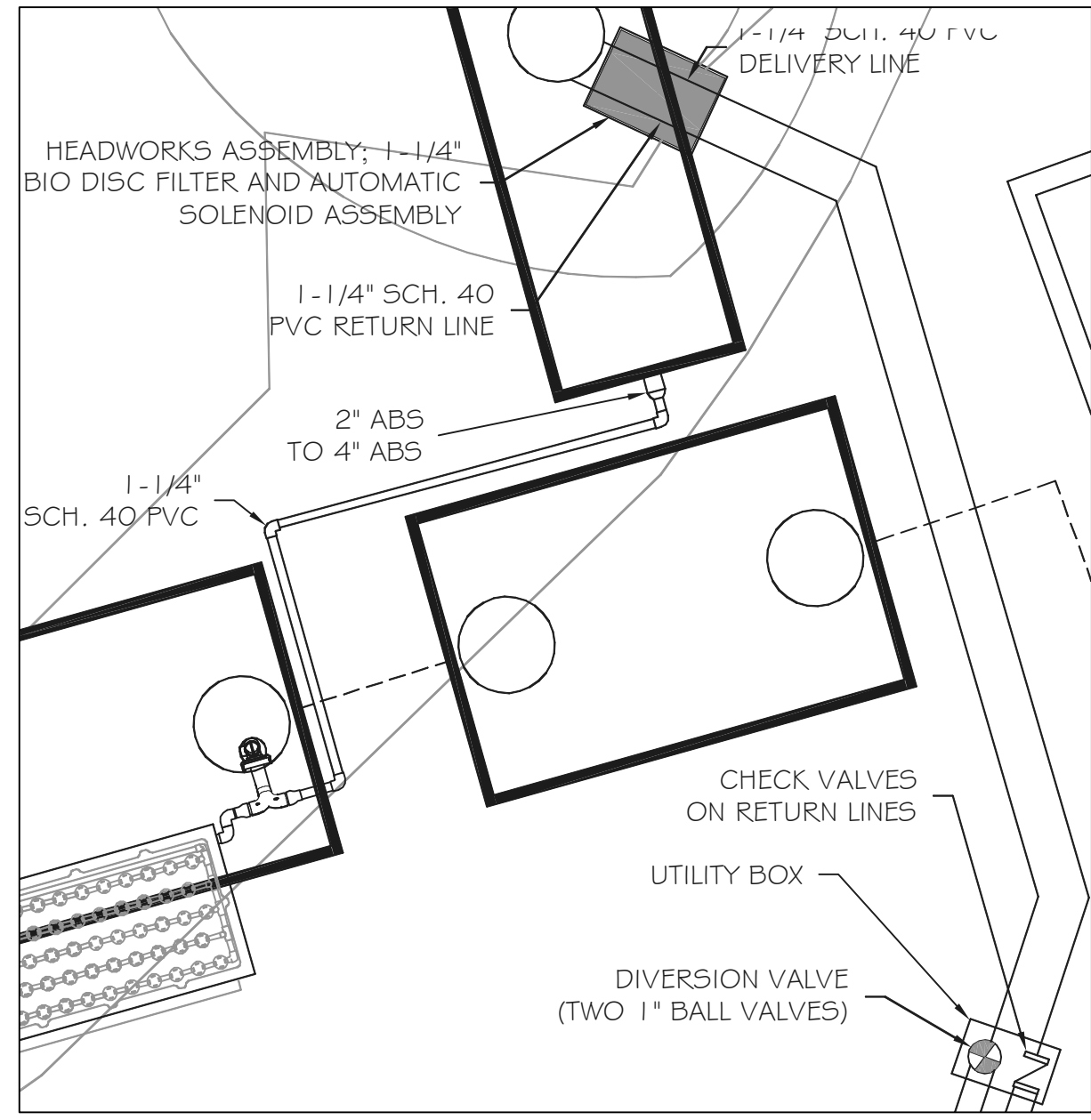
- * Survey provided by owner.
- * Waterline shall be 10' from leachfield or double-sleeved. Locate prior to construction.
- * Low-Flow fixtures in building required. See construction spec #4, page 3.
- * All landscape plans shall be installed in conjunction with drip irrigation installation. This is done to ensure limited native soil disruption and inadvertent line breakage. Temporary fencing will be required per EHS standards.



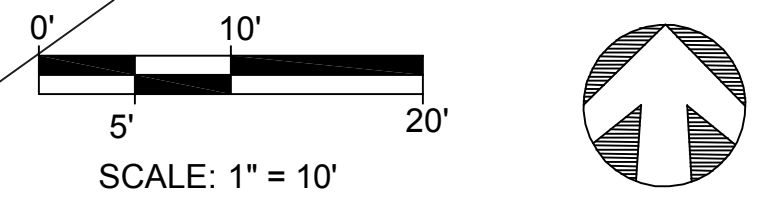
PROPERTY BOUNDARIES (1" = 40')



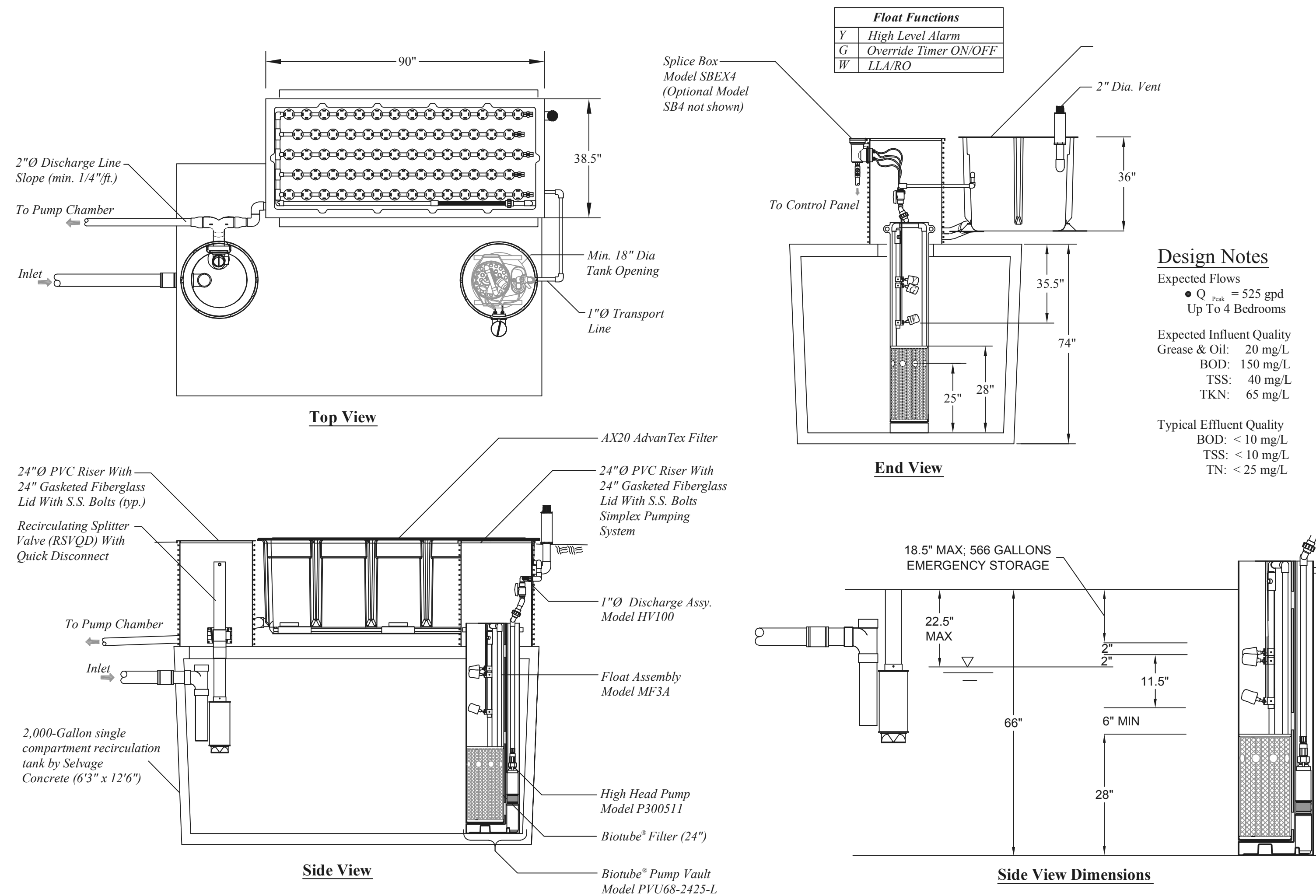
- DRIP AREA CONFIGURATION
- LOOP CONFIGURATION
 - REQUIRED AREA: 1,312.5 FT²
 - TOTAL AREA SHOWN: 1320 FT²
 - AREA "A" APPROXIMATELY 645 FT²
 - AREA "B" APPROXIMATELY 675 FT²
 - 30 PSI START OPERATING PRESSURE
 - 24" EMITTER SPACING
 - 24" LINE SPACING



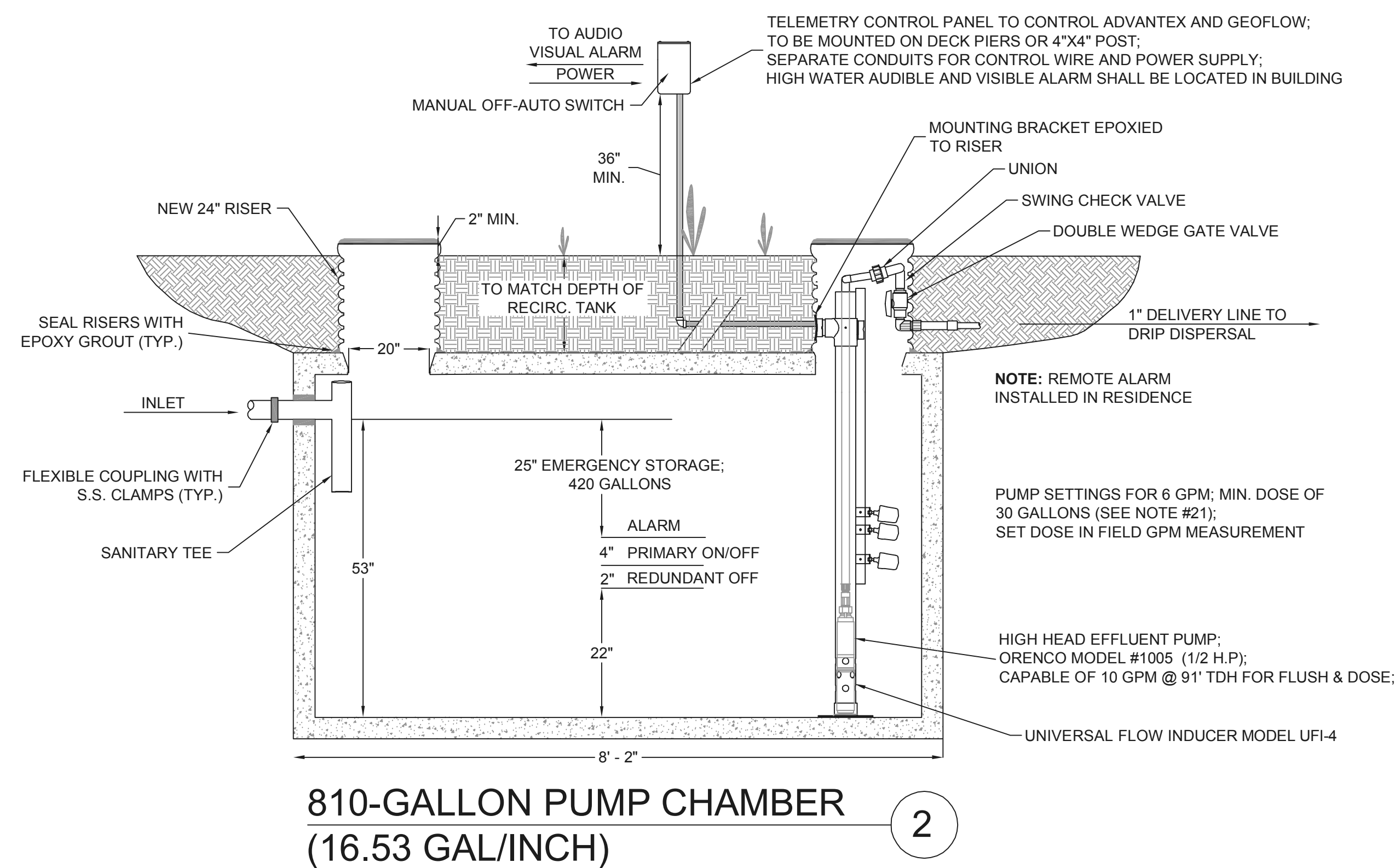
TANK CONFIGURATION (1" = 5')



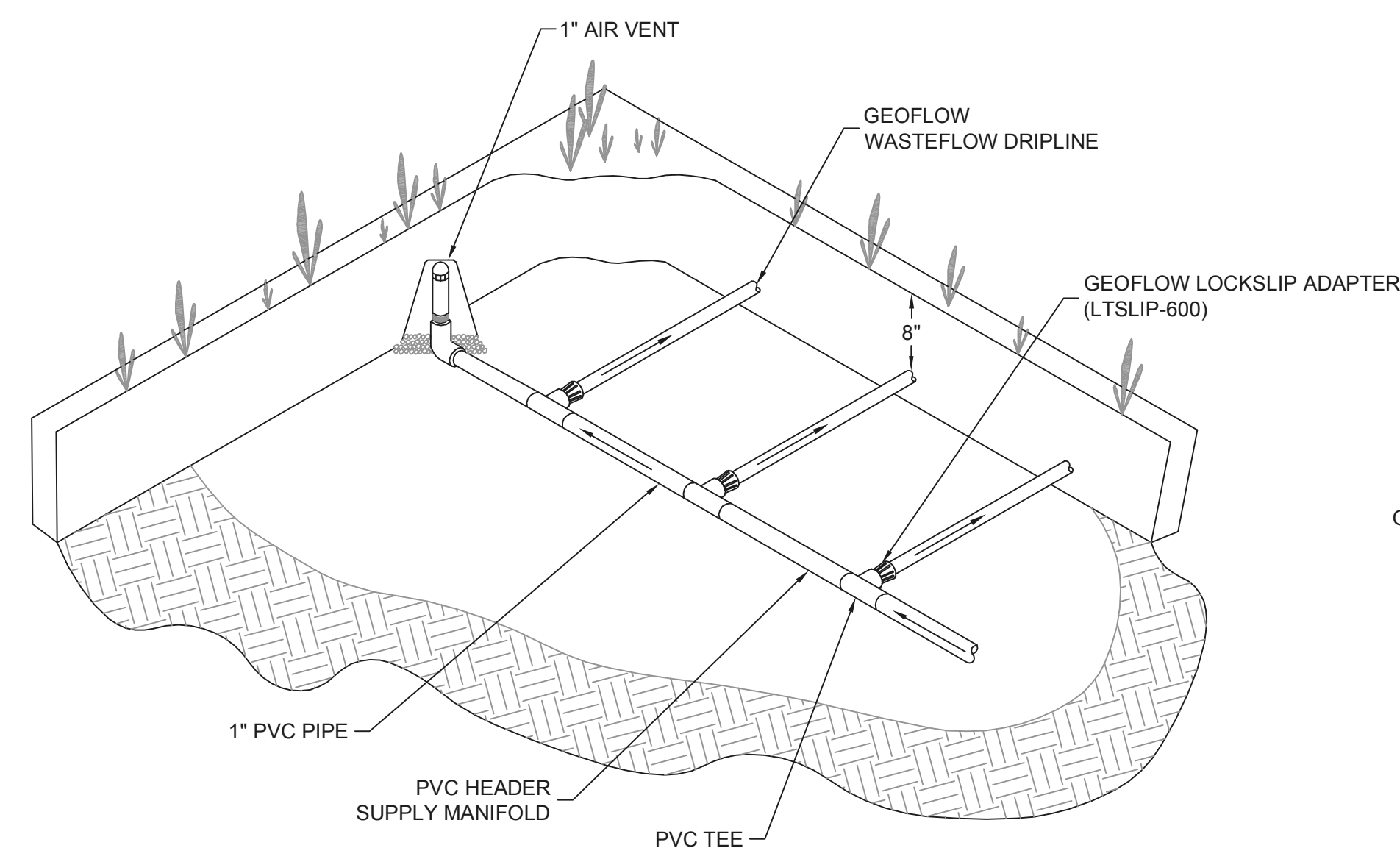
APN	191-011-3316	DATE / REV.	04-24-2025 / A	SCALE/SIZE	1" = 10' / ARCHD
CLASS 1 5 BEDROOM SEWAGE DISPOSAL PLAN			SITE PLAN		
FRANCESCA VIOTOR 270 LAUREL ROAD BOLINAS, CALIFORNIA					
					
eckman environmental designs, inc					
100 Shoreline Highway Bldg E, Suite 100 Mill Valley, CA 94041 510.950.5892					



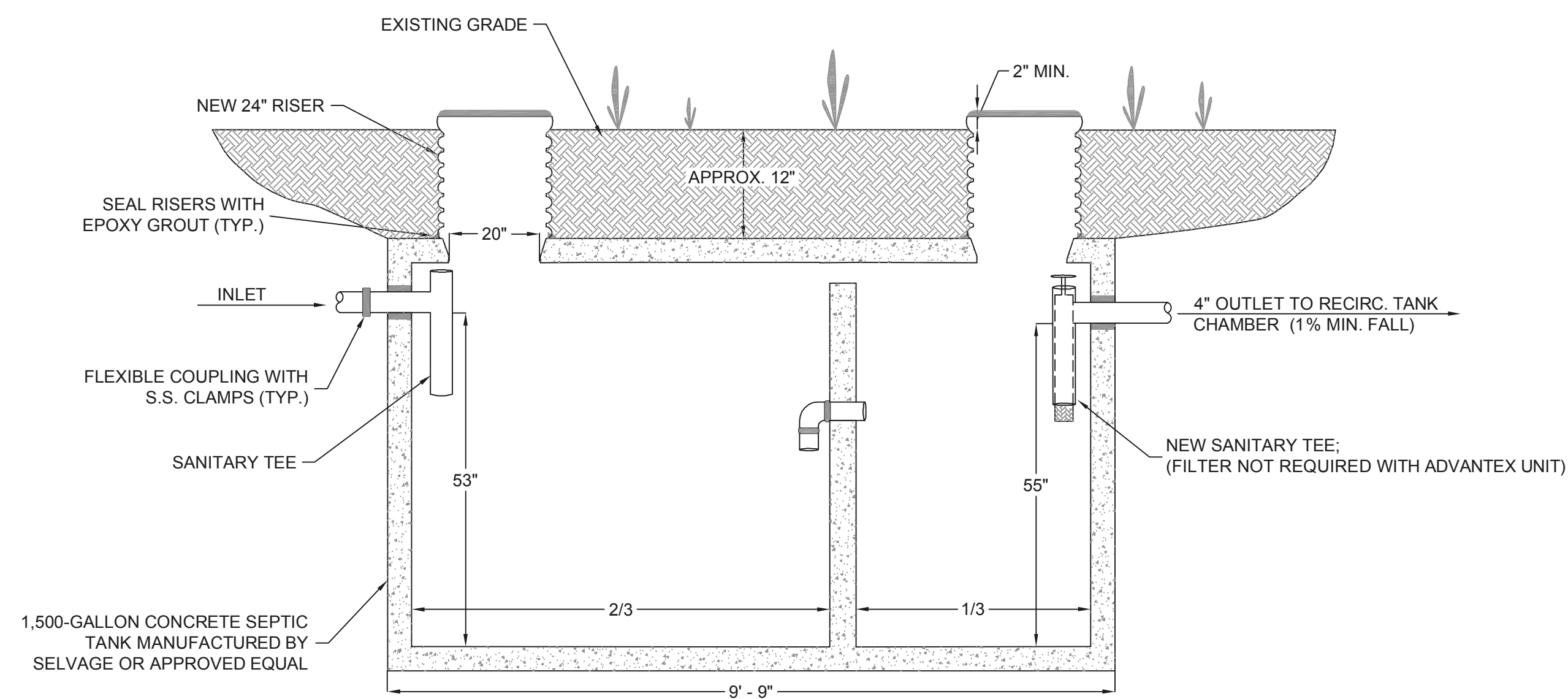
ADVANTECH AX20 MODE 3A; 2,000-GALLON TANK
(40.82 GAL/INCH) **1**



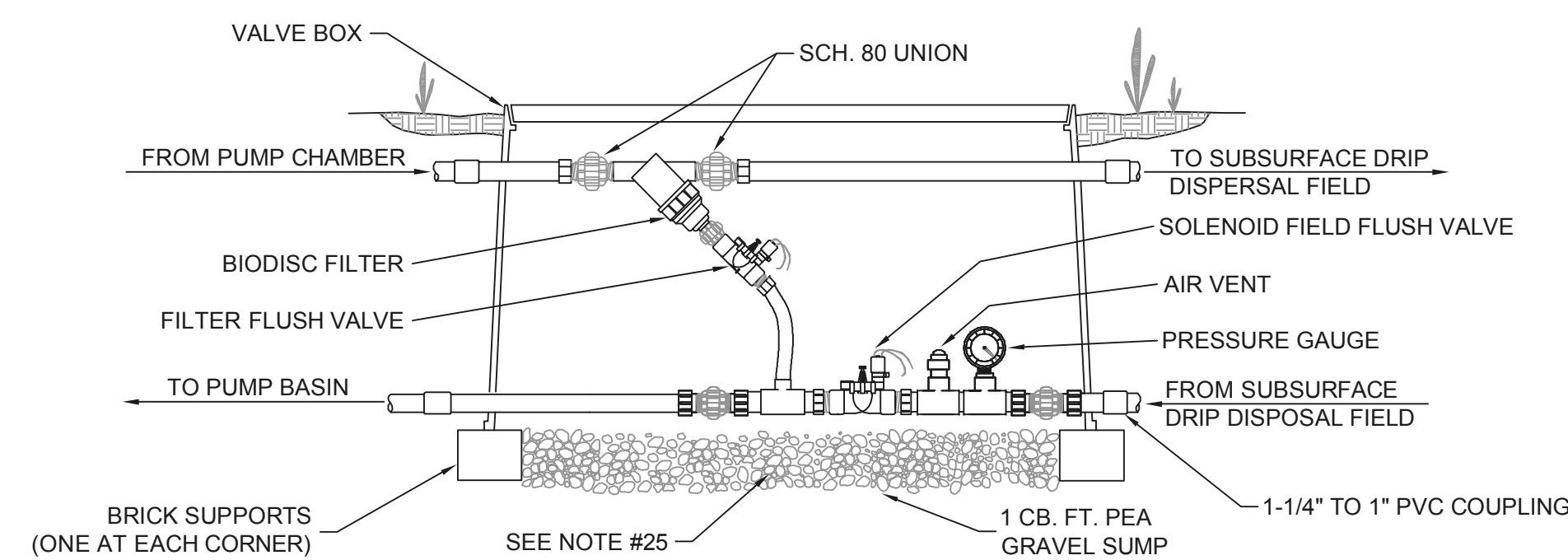
810-GALLON PUMP CHAMBER
(16.53 GAL/INCH) **2**



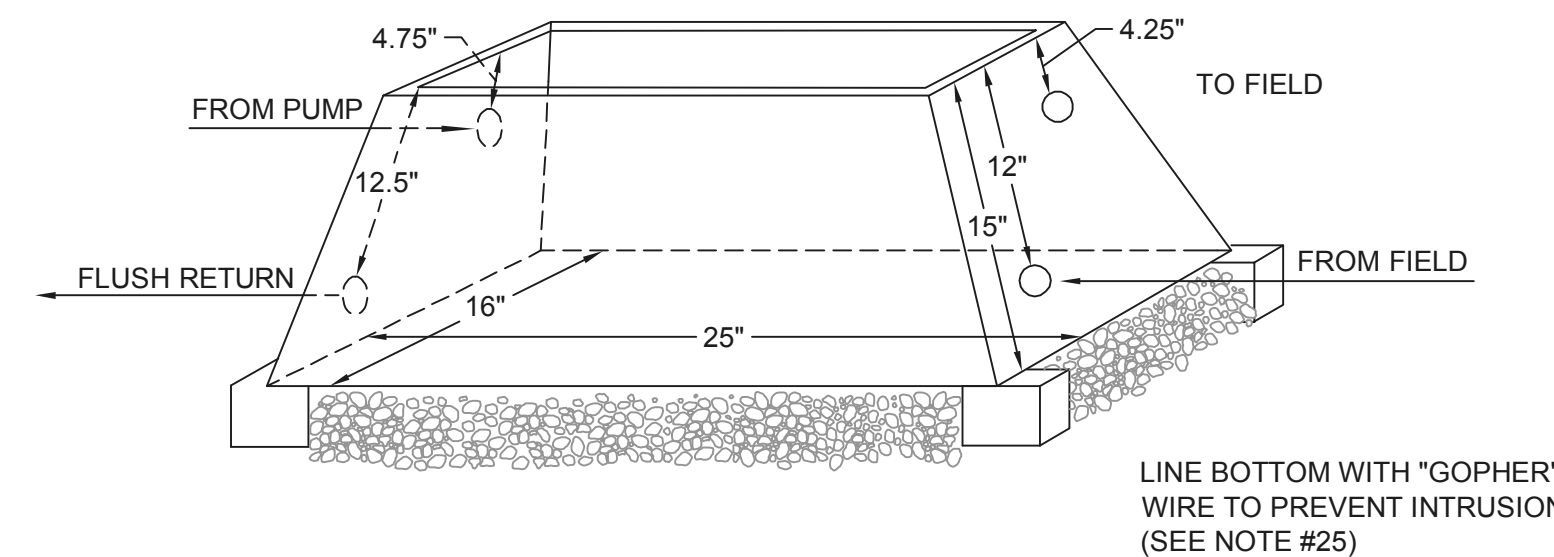
MANIFOLD CONNECTION (END FEED) **5**



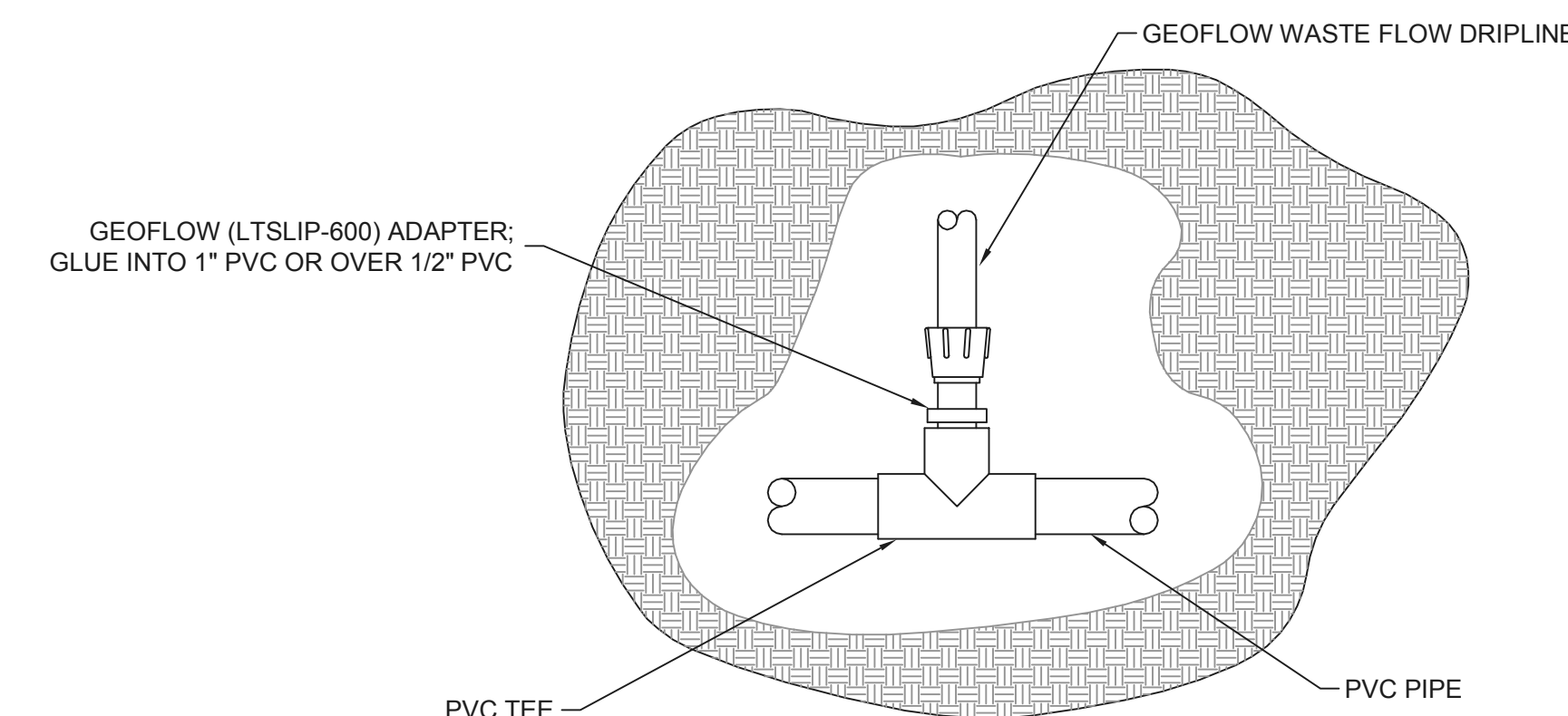
1,500-GALLON SEPTIC TANK **3**



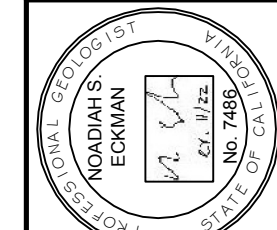
SIMPLE WASTE FLOW HEADWORKS BOX
MODEL # WHW-1.25 - AUTO **4**

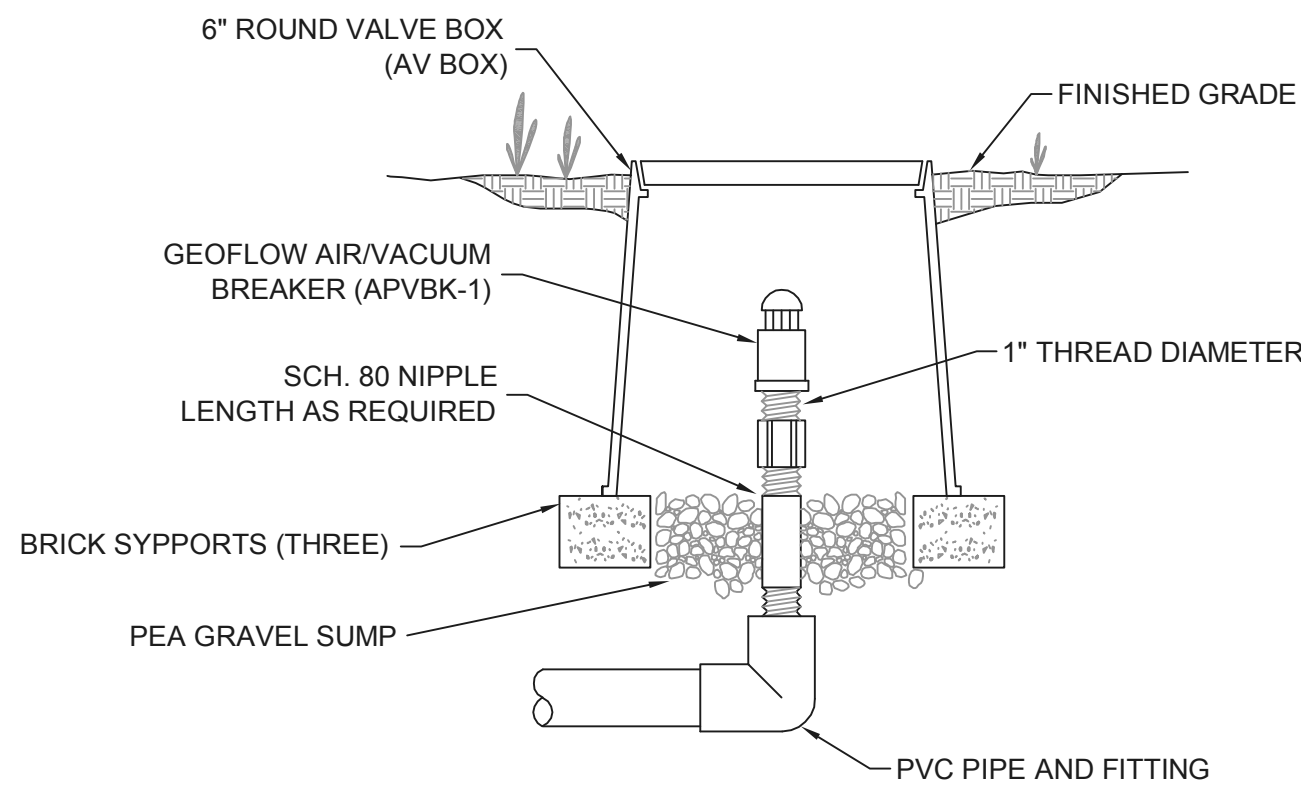


GEOFLOW HEADWORKS BOX - DIMENSIONS **6**

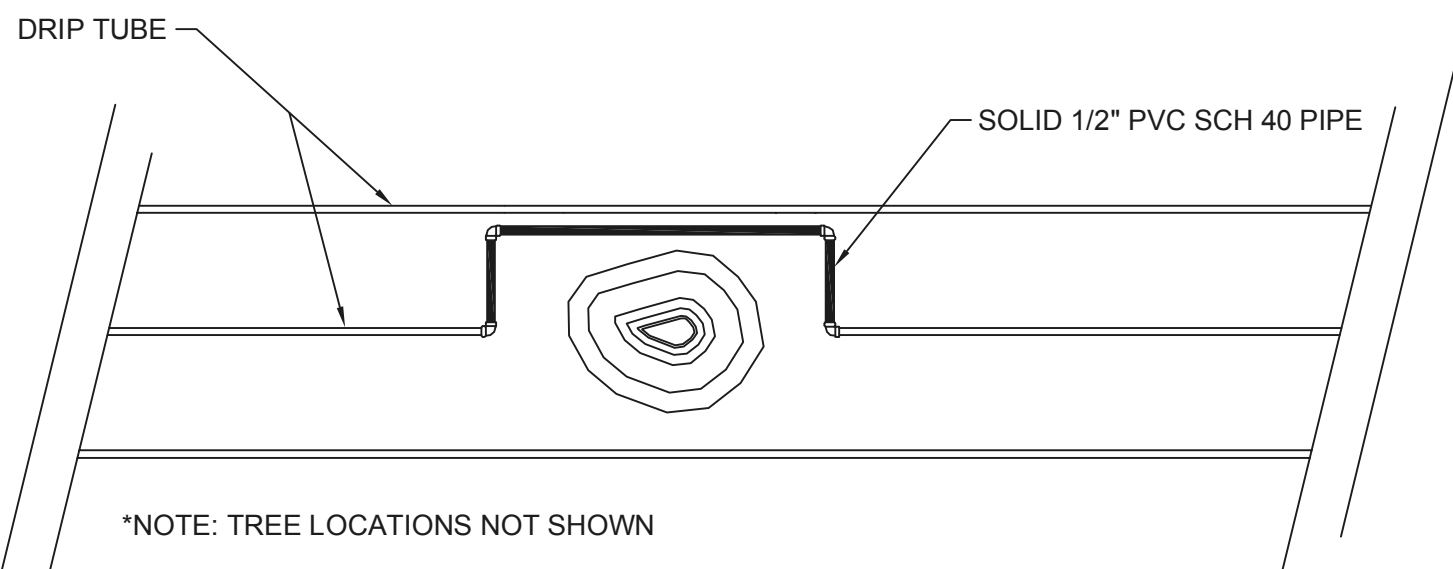


MANIFOLD CONNECTION (PVC TO ADAPTER) **7**

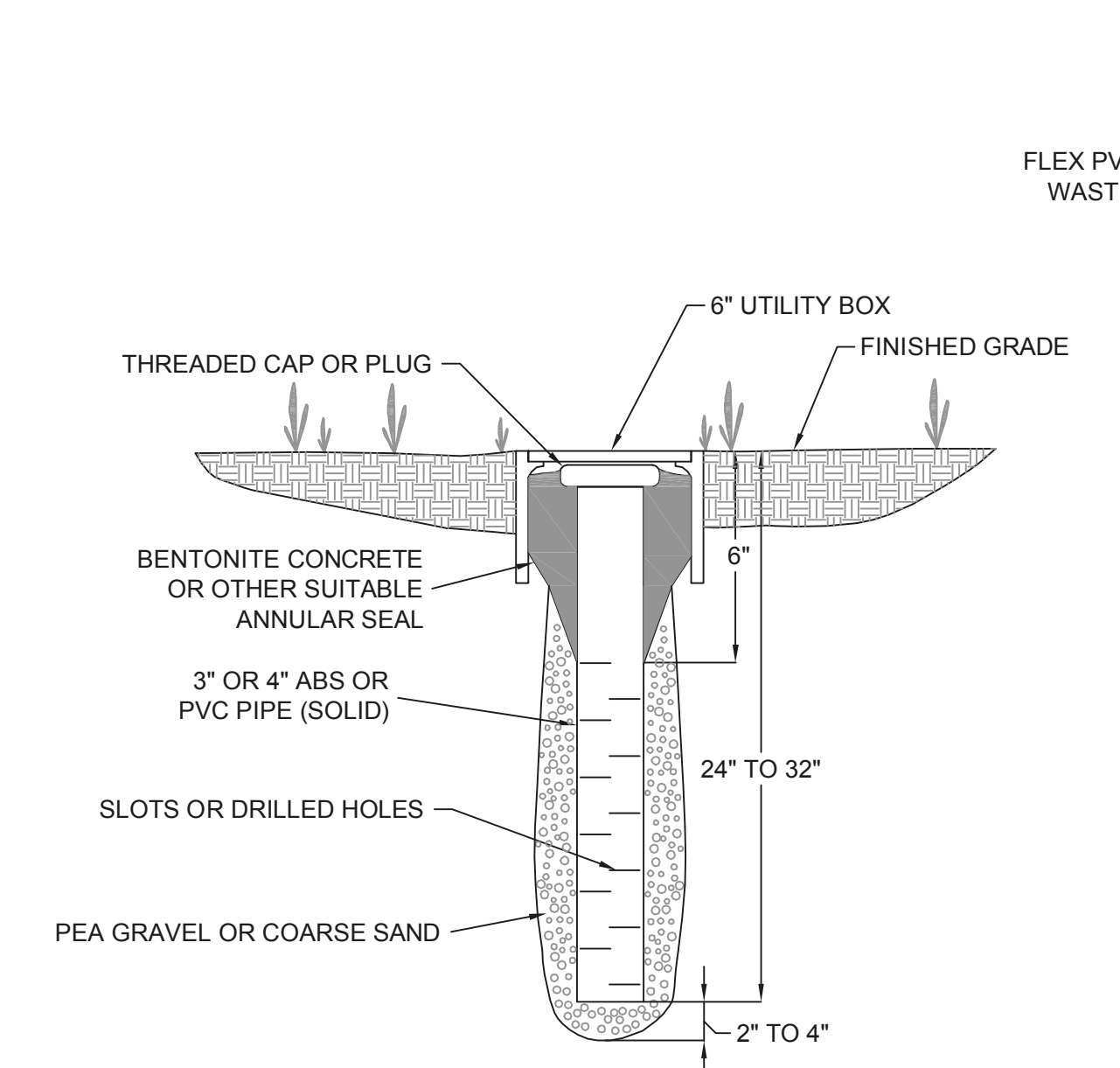




1" AIR VACUUM BREAKER (PLUMBED TO PVC) 8



DRIPLINE LAYOUT WITH TREE 9



MONITORING WELL 10

CONSTRUCTION SPECIFICATIONS

GENERAL

Changes to plans or specifications shall be made only after consultation with and approval of the Designer.

At all times during the work, keep the premises clean and orderly, and upon completion of the work, repair all damage caused by equipment. Stockpile excavated material in a manner that will cause the least damage to native vegetation and landscaping. Leave the project site free of rubbish or excess materials of any kind.

Construction inspection by the Designer shall be required at points outlined in the attached Construction Inspection Schedule. It shall be the responsibility of the contractor to call for the required inspections, and to provide at least 48-hours advance notification of the Designer and Marin County Environmental Health Department.

All installation shall be in accordance with Marin County Environmental Health Building Codes.

Marin County Building Division Electrical Permit Required.

MATERIALS

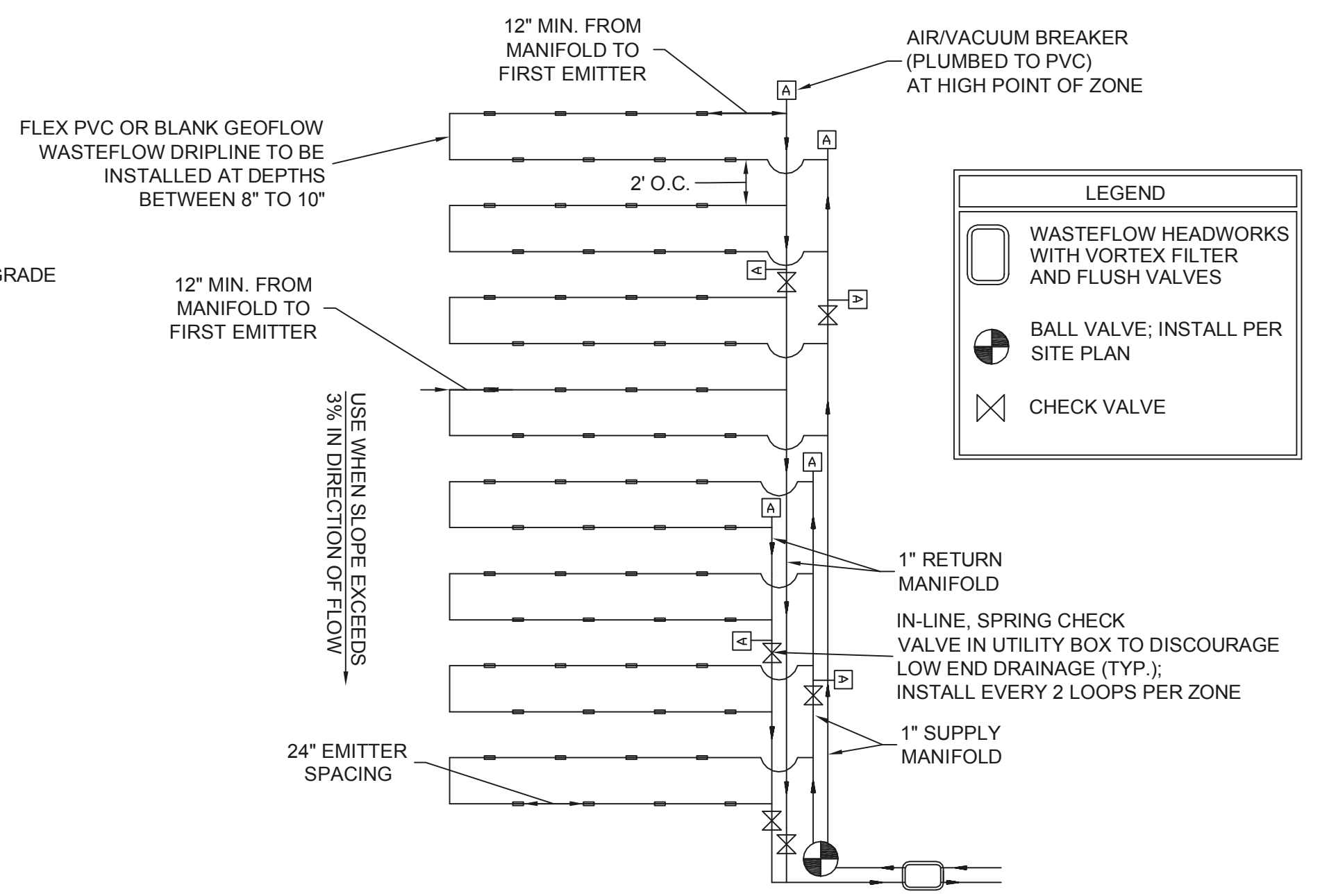
Eckman Environmental to approve construction material prior to placement.

- Access Risers.** Shall be made of PVC, watertight, and shall be installed over the inlet and outlet openings of the septic tank and pump basin with fiberglass lids. The riser must be watertight at all points and have a watertight seal at the top of the tank. Coordinate riser depths and width with Orenco RSV valve and biotube. Manufactured by Orenco Systems Inc. 814 Airway Avenue, Sutherlin, OR, (800) 348-9843.
- Advantex Unit.** AX 20, Model 3b. As manufactured by Orenco Systems, Inc., 814 Airway Avenue, Sutherlin, Oregon 97479, 1(800) 348-9843. Standard Package will include processing tank access equipment and treatment system equipment.
- Pump Chamber.** 810-gallon concrete pump basin with flow inducer. The pump for the dripfield is to be Orenco Systems model or equal. Junction boxes #SB3 and #SB1 and high head assembly manufactured by Orenco Systems Inc. 814 Airway Avenue, Sutherlin, OR, (800) 348-9843.
- Diversion Valve.** Drainfield diversion valve shall be two pressure-rated 1" ball valves. Label field "A" and "B." **Both to remain open during normal operation.**
- Distribution Piping.** All piping for the delivery and pressure distribution network shall be Schedule 40 PVC and have a minimum pressure rating of 150 psi unless otherwise specified. All joints shall be solvent-cement socket type conforming to ASTM D-2672.
- Control Panel.** The pumping system will be operated from an Orenco telemetry control panel. The pumping system includes an Orenco Systems effluent pump model #1005, 1/2 hp, 115v or equal (time-dosing). The control panel will also operate the Geoflow® automatic Headworks box and the AdvanTex unit. By Orenco Systems Inc. 814 Airway Avenue, Sutherlin, OR, (800) 348-9843.
- Dripline.** Dripline shall be Geoflow® Wasteflow™ PC, Model #WFPC16-24. There shall be pressure-regulating emitters inserted every 24 inches inside the tube. These emitters shall have a nominal flow rate of 1.02 gallon per hour. The emitters shall be impregnated with Treflan to inhibit root intrusion for a minimum period of 10 years, a period guaranteed by the manufacturer. The dripline shall be identified as being used with non-potable water by means of two purple stripes permanently incorporated into the outside wall of the tube. Operating pressure is 30 psi. As manufactured by Geoflow, Inc., 1(800) 828-3388.
- Automatic Headworks Box.** The preassembled Headworks box shall be Geoflow® #WHW-1.00-AUT with an automatic flush configuration and shall include the following: biotube filter, zone flush valve, filter flush valve, pressure gauge, air vent, and utility box. As manufactured by Geoflow, Inc., 1(800) 828-3388.

Vortex Filter Flush Valve (Solenoid). Set the control panel so that the filter flush valve will automatically open for 15 seconds at the end of the pump cycle. When the vortex filter flush is complete the filter flush valve will close and the system drain function begins.

Field Flush Valve. Will open at the end of the dosing cycle. The pump will continue to run for 5 seconds (field adjustable) to accommodate the opening of this valve. After the pump is deactivated the field flush valve will remain open for five minutes (field adjustable) to allow for drainage of the return line. It is best to clock the length of time it takes to return flush line to drain and use this to set your drain time. The field flushing will be directed to the inlet side of the recirc. tank and is controlled by a solenoid valve located in the automatic Headworks box. This setting shall be programmed by Contractor into the control panel.

- Supply Manifold.** The supply manifold delivers treated effluent from the pump. The supply manifold shall be 1-inch Schedule 40 PVC.
- Return Manifold.** The return manifold collects the water flushed from the emitter lines and returns it to the septic tank. The return manifold shall be 1-inch Schedule 40 PVC.
- Dripline Fittings.** All connections shall be made with barb or compression-type fitting connections. Fitting shall be as manufactured by Geoflow® to ensure the integrity of the subsurface disposal system.



SLOPE LAYOUT FOR MULTI ZONE WASTEFLOW PRESSURE COMPENSATING DRIPLINE (LOOPED) 11

- Geoflow Air/Vacuum Relief Valves.** The air and vacuum relief valves shall be Model No. APVBK-1, or equivalent. The dispersal zone shall utilize a 1-inch MPT air/vacuum relief valve at its high point(s). The purpose of this valve is to evacuate air from the zones at startup and to relieve vacuum at system shut down to prevent back siphoning or back pressure.

GENERAL CONSTRUCTION

- Installation.** All installation work shall be in accordance with applicable Marin County

- Tank Leak Test.** All tanks shall be required to be certified as watertight. Field testing of tanks shall be required and conducted as follows:
 - Designer to visually inspect tank prior to conducting leak test. Fill tank and pump chamber so water level is 2 inches ± above tank/access riser joints. Note depth of water and re-measure not less than 1 hour later. Any water level drop will be considered to be an indicator of a leaking tank, and tank shall be repaired or replaced to the satisfaction of the designer.

- Location of Drip Disposal Area.** Location shown for the drip disposal area is approximate, subject to adjustment in the field by the Contractor according to building constraints and noted setback requirements.

- Septic Tank and Pump Location.** Location for the septic tank and pump tank is approximate, subject to adjustment in the field by the contractor according to building constraints and any noted setback requirements.

- Pump Controls.** Pump controlled on a timed basis. Timer setting to equal ~ 5 minute pump run time at 6 gpm. Minimum pumping volume shall be set at 30 gallons per dose; reserve capacity in the pump chamber and recirculation tank shall be equal to at least one full day of wastewater flow, i.e., 525 gallons. Final setting of float switches shall be determined in the field, based on actual pump gpm.

- Electrical.**
 - High water audio and visual alarm shall be located within the house.
 - All electrical work shall conform to procedures and codes of Marin County Building Department.

- Pressure Pipe Network.**
 - All pressure pipe shall be Schedule 40 PVC or approved equal.
 - All joints shall be glued with solvent cement.

- Hydraulic testing shall be conducted in the presence of the Design Engineer to determine any leaks in the system and pump operation.
- A concrete thrust block shall be installed at all pipe bends of 45° or greater in the 3/4-inch pressure line from the pump to the disposal area.

- Waterline.** Must be double sleeved with SCH 80 if within 10 feet of leachfield.

- All valve boxes and headworks box to be lined with gravel & "gopher" wire.

- Spring Check Valve.** See Detail 11 to install spring check valves and air release valve in utility box every 2 lines to discourage low head drainage.

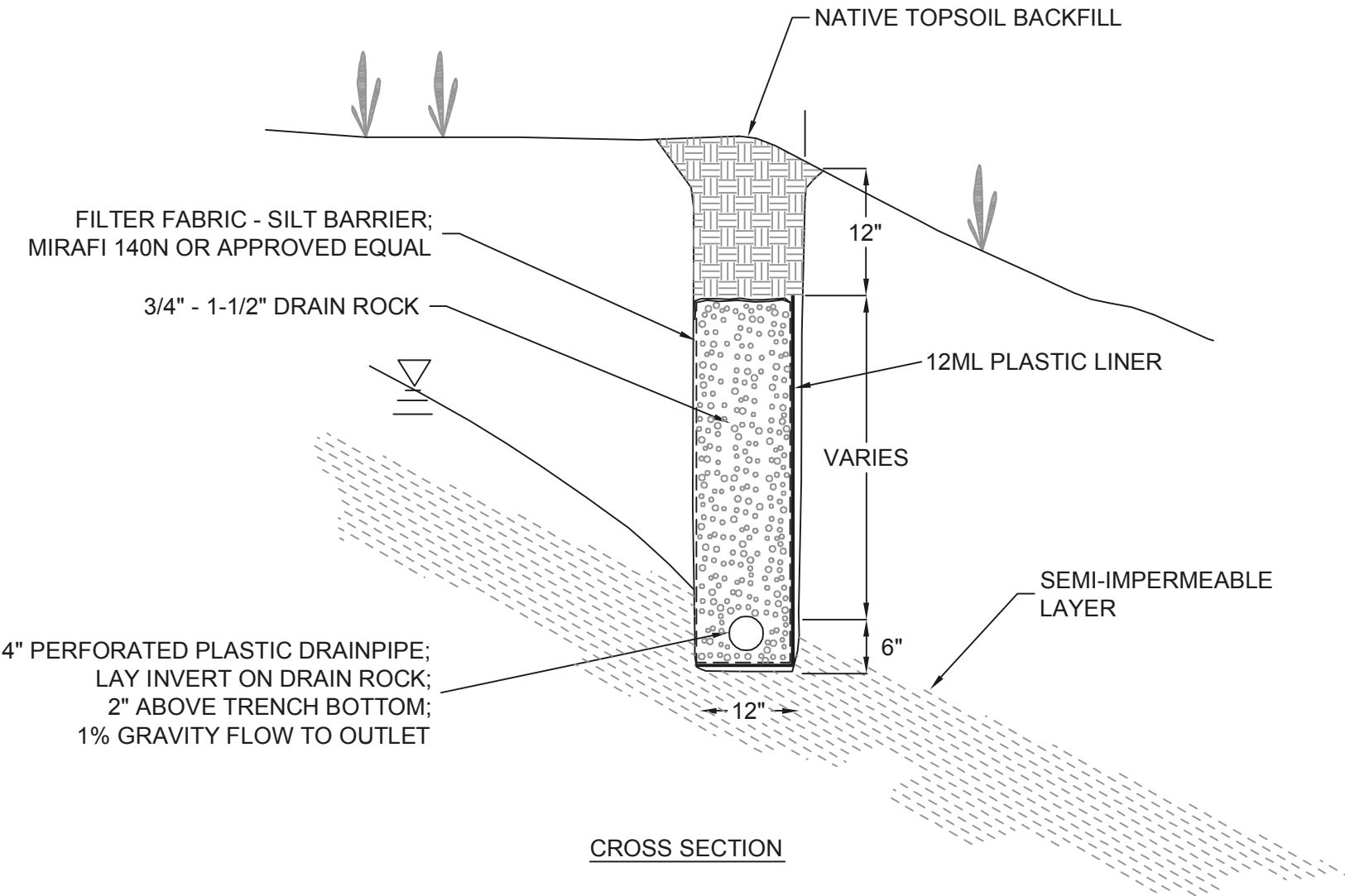
- Advantex Recirc. Tank Emergency Storage Requirements.** 2,000-gallon Recirculation tank has over the min. 555-gallons required of storage.

GEOFLOW INSTALLATION (from Geoflow Manual)

All Geoflow drip systems require: 100 micron / 150 mesh filter, Filter flush valve, Field flush valve and Air vent in each zone. All Wasteflow Classic drip systems require pressure regulation.

Handle your dripline and components with care. ROOTGUARD® is temperature sensitive. To assure a long life store the drip line out of direct sunlight in a cool place. Install the system headfirst: pumps, control panel, and automatic headworks box.

- All dripfield construction shall be done in accordance with Local rules and regulations.
- No utilities, cable wire, drain tile, etc shall be located in dripfield.
- Fence off entire dripfield prior to any construction.
- System is not to be installed when ground is wet.
- Be sure you have everything required for the installation before opening trenches. Pre-assemble as many sets of components as practical above ground and in a comfortable place. Compression or Lockslip adapters should be glued to PVC tees, riser units should be pre-assembled, the submain manifold with tees can be pre-assembled and used to mark the beginning and end of WASTEFLOW lines.
- For particularly tough soil conditions moisten the soil the day before opening trenches or installing WASTEFLOW. Remember it is much easier to install the system in moist soil. The soil should be moist but still should allow the proper operation of the installation equipment and not cause smearing in the trenches. The soil surface should be dry so that the installation equipment maintains traction.



INTERCEPT DRAIN 12

- Mark the four corners of the field. The top two corners should be at the same elevation and the bottom two corners should be at a lower elevation. In freezing conditions the bottom dripline must be higher than the supply and return line elevation at the dosing tank.
- Install the PVC supply line from the dosing tank, up hill through one lower and one upper corner stake of the dispersal field. 8 to 12-inch depth of burial.
- Paint a line between the two remaining corner stakes.
- Install the Geoflow WASTEFLOW dripline from the supply line trench to the painted line, approximately 12" deep as specified. Upon reaching the painted line, pull the plow out of the ground and cut the dripline 1" above the ground. Tape the end of the dripline to prevent debris from entering. Continue this process until the required footage of pipe is installed. Geoflow dripline must be spaced according to specification. Depth of burial of dripline must be consistent throughout the field. Take care not to get dirt into the lines.
- Install the supply header with tees lined up at each Geoflow line. Hook up the Geoflow lines to the supply header. Do not glue WASTEFLOW dripline.
- Installing Lockslip fittings:
 - Hold the fitting in one hand and position the tubing with the other hand.
 - Move the sleeve back, and push the tubing onto the exposed stem as far as possible.
 - Push the sleeve out over the tubing and thread the sleeve onto tubing, as though tightening a nut to a bolt. Hand tighten. Do not use tools.
- Install the pre-assembled Headworks between the field and the pump tank on the supply line.
- If using a pressure regulator, install it downstream of the filter or Headworks, just ahead of the dispersal field, on the supply line. The pressure regulator can be installed inside a small valve box for easy access.
- Install the floats in the dosing tank and wire up to the timer control. The timer control should beset to pump no more than the design flow, do not set to match the treatment capacity.
- Fill the dosing tank with fresh water and turn on the pump. Check for flow out the ends of all of the Geoflow lines. Let the pump run for about five minutes to flush out any dirt. Shut off the pump and tape the ends of the lines.
- Dig the return header ditch along the line painted on the ground and back to the pre-treatment tank. Start the return header at the farthest end from the dosing tank. The return line must have slope back to the treatment tank or septic tank.
- Install the return header and connect all of the Geoflow lines. Care must be taken not to kink the dripline.
- Install air vacuum breakers at the highest points in the dispersal field. Use pipe dope or Teflon tape and hand tighten.
- If Headworks was installed on the supply line, connect the return line back through the Headworks box. Open the field flush valve and turn on the pump to flush lines then close the valve and check the field and all piping and connections for leaks. Turn off the system
- Turn on the pump and check the pressure at the air vacuum breaker(s). It should be between 15 to 45 PSI. Check the pressure in the WASTEFLOW Headworks if used. It should be five psi or higher. If using a manual valve for field flushing, crack it open until at least one PSI is lost or design pressure is reached and leave in that position.
- Check the filter for construction debris and clean.

ADVANTEX™ INSTALLATION

Refer to installation manual description and instructions for installation of AdvanTex™ System. AdvanTex™ installation shall be completed by and/or under the supervision of a manufacturer-certified installer.

AdvanTex™ installation shall be operated and tested in the presence of Designer, manufacturer representative, maintenance provider, and County Inspector.

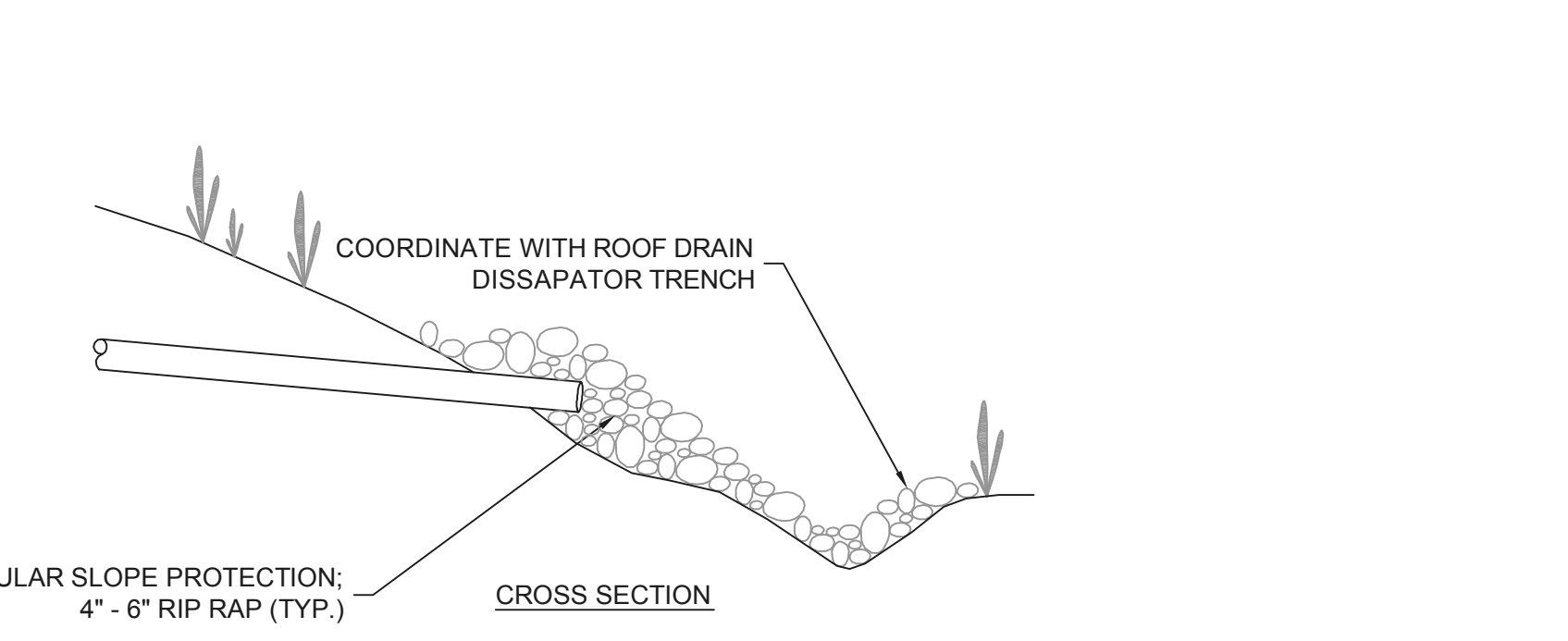
Timer Settings:
 Recirculation rate @ 3:1
 Pump Run Time: 30s
 Timer "On": 30s
 Timer "Off": 17min
 Estimated for 300 GPD

FINAL SETTINGS TO BE DETERMINED BY MAINTENANCE PROVIDER BASED ON ACTUAL GALLONS PER DAY USAGE

REQUIRED CONSTRUCTION INSPECTION SCHEDULE

In accordance with requirements of Marin County, the following construction activities shall be inspected by Designer.

- INSPECTION #1**
- Onsite pre-construction conference to discuss project with Contractor.
 - Staking of Tanks
 - Staking of AdvanTex™ Filter Treatment Module.
 - Staking and layout of subsurface drip dispersal system.
 - Locate H20 line
- INSPECTION #2**
- New septic tank, treatment tank and pump chamber leak test.
 - Placement of 4-inch ABS, 1-inch supply and return flush lines.
 - AdvanTex™ AX20 installation with Contractor.
- INSPECTION #3**
- Assembly and layout of Geoflow drip pipe network.
 - Testing of pumps and distribution systems (including measurement of actual gpm).
- INSPECTION #4**
- Final backfill of distribution area.
 - Final grading for drainage and erosion control. (straw & seed)
 - General site clean up.
 - Check low flow fixtures in unit and new residence
 - Existing Tank Abandonment



OUTLET DETAIL