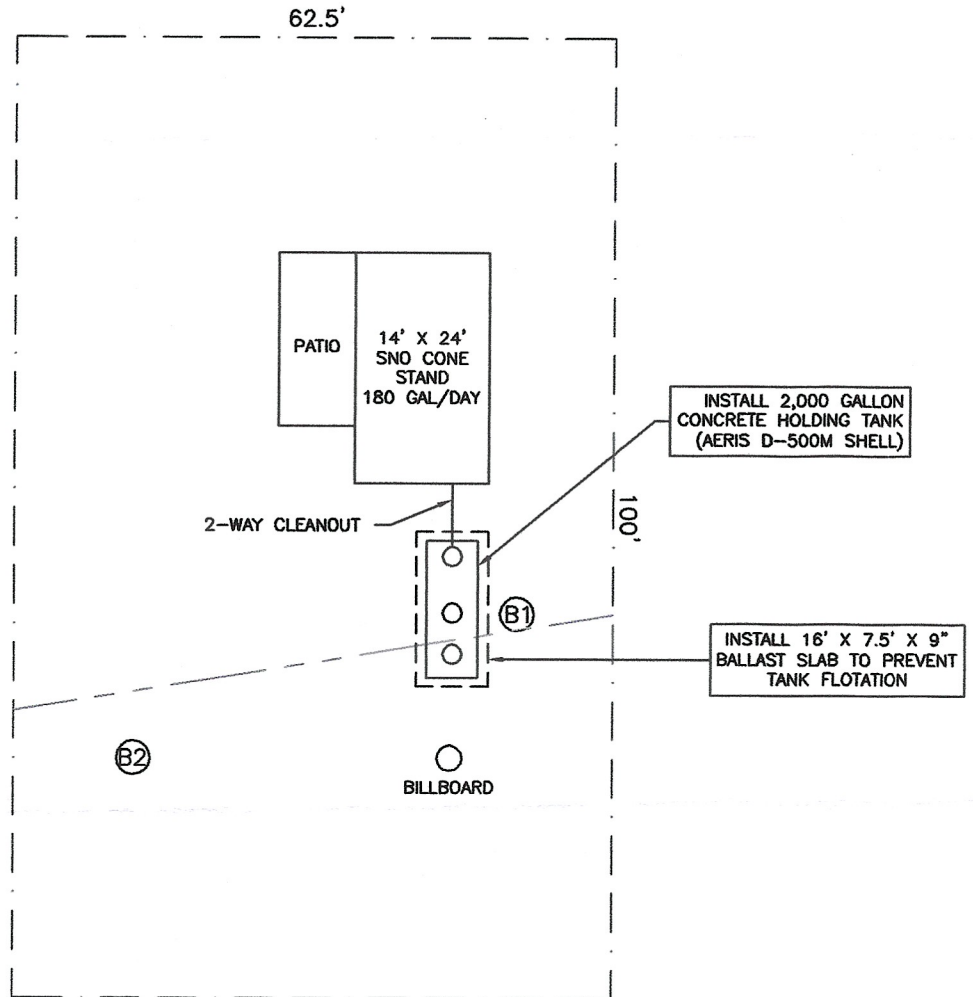


NOTES:

1. PROPERTY LINES DRAWN FROM FIELD NOTES PREPARED BY OTHERS.
2. INSTALLER RESPONSIBLE FOR LOCATION OF ALL UNDERGROUND UTILITIES.

LOT 62, BLOCK B
RDIV 052 - LII
CITY OF MEXIA
LIMESTONE COUNTY, TEXAS



MILAM ST.

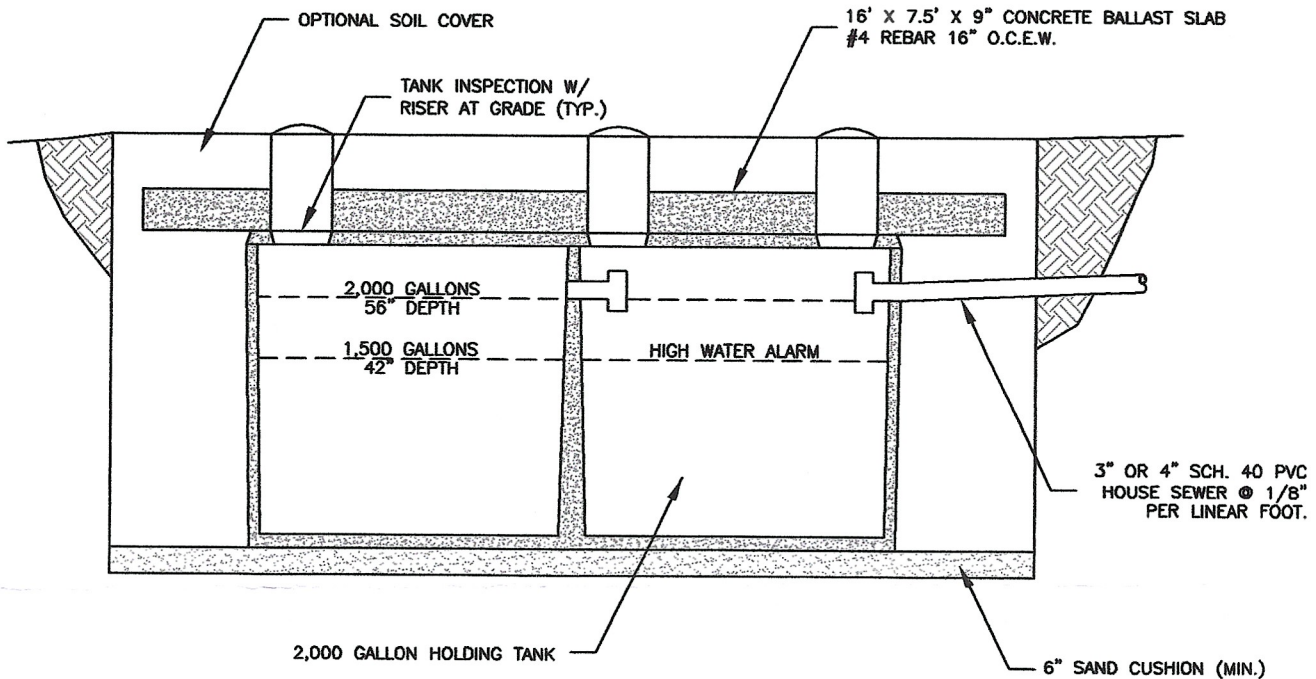


LEGEND

ⓑ1
SOIL BORE

PROPERTY LINE

1% FLOODPLAIN (APPROX.)



NOTE: ALL RISERS SHALL BE EQUIPPED WITH A WATER-TIGHT SEAL

1 TANK INSTALLATION DETAIL – NOT TO SCALE

TREATMENT EQUIPMENT AND SYSTEM INSTALLATION NOTES:

- ALL GRAVITY PIPING SHALL HAVE A MINIMUM NOMINAL DIAMETER OF 3". GRAVITY PIPING SHALL BE SDR 35 PVC. GRAVITY PIPING SHALL HAVE A MINIMUM SLOPE OF 1/8" PER FOOT FROM THE HOUSE TO THE SYSTEM. MINIMUM LENGTH OF PIPE FROM HOUSE TO SYSTEM = 5'. FITTINGS SHALL BE SCH. 40 PVC. CLEANOUTS SHALL BE INSTALLED AS SHOWN.
- CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES PRIOR TO CONSTRUCTION.
- LOW FLOW PLUMBING FIXTURES TO BE USED THROUGHOUT THE RESIDENCE
- MAINTAIN MINIMUM SEPARATION DISTANCES AS FOLLOWS:

TREATMENT EQUIPMENT & SYSTEM CALCULATIONS:

- TCEQ APPROVED, 2,000 GALLON, STEEL-REINFORCED, CONCRETE TANK:
170" X 64" X 67"; 56" LIQUID DEPTH
- SYSTEM DESIGN FLOW: 180 GAL/DAY (30 TAC 285.91(3))
- MINIMUM HOLDING TANK VOLUME:
180 GAL/DAY X 7 DAYS = 1,260 GALLONS
1,260 GALLONS/0.75 (STORAGE ABOVE FLOAT) = 1,680 GALLONS
- PROPOSED VOLUME = 2,000 GALLONS.
- TANK SHALL BE EQUIPPED WITH AUDIBLE AND VISUAL HIGH WATER ALARM.

	TREATMENT TANKS	LATERAL LINES	SEWER PIPE W/WATERTIGHT JOINTS
PUBLIC WELLS	50'	150'	50'
PUBLIC & PRIVATE WATER LINES	10'	10'	10'
PRIVATE WELL AND CISTERNS	50'	100'	20'
STREAMS, PONDS, LAKES, RIVERS (MEASURED FROM NORMAL POOL ELEVATION)	50'	75'	20'
FOUNDATIONS, BUILDINGS, SURFACE IMPROVEMENTS, PROPERTY LINES, EASEMENTS, SWIMMING POOLS, & OTHER STRUCTURES	5'	5'	5'

- TANK RISER LIDS SHALL BE O-RING SEALED AT GRADE. TANK RISER CONNECTIONS BELOW GRADE SHALL BE SEALED WITH WATER-TIGHT GASKET MATERIAL
- OWNER SHALL MAINTAIN CONTRACT WITH TCEQ LICENSED WASTE TRANSPORTER TO PUMP TANK ON REGULAR INTERVALS AND FILE AFFIDAVIT TO THE PUBLIC IN THE LIMESTONE COUNTY DEED RECORDS TO INDICATE THE EXISTENCE OF AN OSSF REQUIRING A PUMPING CONTRACT ON THE PROPERTY.
- OWNER SHALL RETAIN PUMPING RECORDS FOR A MINIMUM OF 5 YEARS.

Nirvana Sno Tank Buoyancy Calculations

Element	No	Tank Weight			Volume (in ³)	Volume (ft ³)	Weight (lbs)
		Length (in)	Width (in)	Thickness (in)			
Top	1	170	64	3	32640	18.89	2738.89
Bottom	1	167	61	3	30561	17.69	2564.44
Sides	2	168.5	61	3	61671	35.69	5174.94
Ends	2	61	57	3	20862	12.07	1750.57
Baffle	3	61	57	2.5	26077.5	15.09	2188.22
Gross Total						99.43	14417.05

Element	No	Deductions			Volume (in ³)	Volume (ft ³)	Weight (lbs)
		Radius (in)		Thickness (in)			
Inspection Ports	3	12		3	4071.50	2.36	341.65
Net Total						97.07	14075.40

Tank Displacement	Tank Displacement			Volume (in ³)	Volume (ft ³)	Weight (lbs)
	Length (in)	Width (in)	Depth (in)			
	168.5	62.5	67	705593.75	408.33	25479.77

Ballast Required

Weight of Displaced Water							25479.77
Weight of Tank							14075.40
Weight of Required Ballast						(Weight of Displaced Water - Weight of Tank)	11404.37

Proposed Slab Weight

Ballast Slab	No	Length (in)	Width (in)	Thickness (in)	Volume (in ³)	Volume (ft ³)	Weight (lbs)

Deductions