

Jay Churchwell

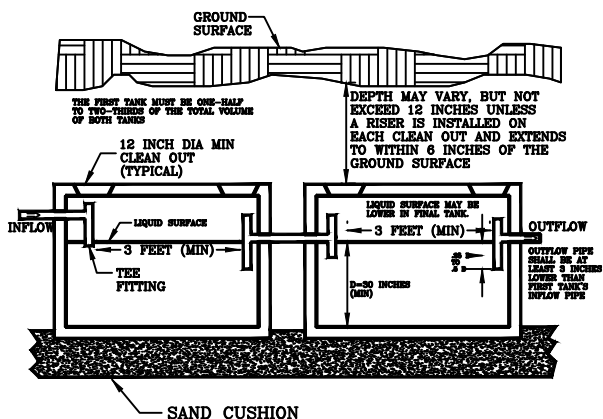
WAYNE COLBY .58 AC. RANSOM HOUSE SURVEY A-244		DRAWN BY:	KC
13998 OLD TEXACO RD CONORE, TX 77302		DRAWING:	COLBYWAY
MONTGOMERY	R42668	SCALE:	1" = 50'
		DATE:	16 Jun 2017

CORONADO ENVIRONMENTAL
 PROFESSIONAL SANITARIAN STATE LICENSE 2721 WWW.CORONADOTX.COM E-MAIL: NFO@CORONADOTX.COM
 1300 S. FRAZIER STE 102 CONROE, TX 77301 (936)539-2899 VOICE (936)539-2955 FAX

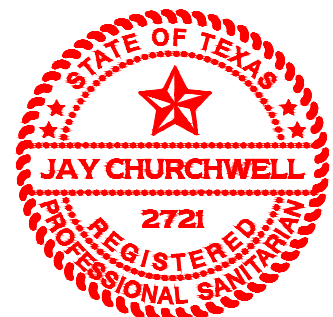
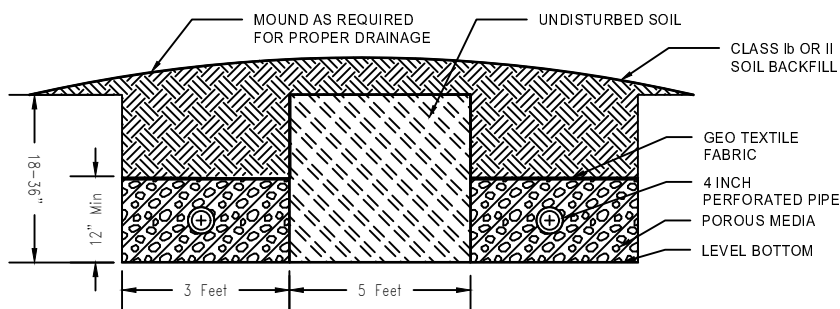
- A. Install septic system in accordance with State and County construction standards.
- B. The surface of the field system shall be graded with coarse sandy loam soil to provide positive surface drainage and not allow water to stand
- C. Overseed entire field system with a fast-growing grass seed or sod. Field shall have established growth prior to use
- D. The disposal area shall be installed 100+ ft. from all public and private water wells
- E. Licensing authority shall be notified for inspection prior to backfill
- F. The actual location of the components of this system may be shifted slightly to allow for site specific conditions, as long as all minimum setbacks are met and the integrity of the design is maintained
- G. Backfill with site soil is permitted unless clay is encountered, if clay is encountered it should be separated from the backfill and replaced with coarse sand
- H. It is my professional opinion that this on-site sewerage facility can be operated without threat or harm to an existing or proposed water supply system, the public health, or creating the threat of pollution or nuisance
- I. Trench Depth should be no deeper than 36 inches
- J. Surface and subsurface water should be diverted away from drainfield
- K. System is based as follows:
 1. The building is a 2 Bedroom Residence.
 2. A soil analysis performed in the immediate area resulted in Class Ib soil.
 3. The septic system is designed at 1000 gallons of tankage, and 185 linear feet of excavation length that equals 925 sq. ft. of absorptive area.
 4. Reject water from reverse osmosis water treatment systems, water softener discharge and AC condensate shall not be discharged into this system.
 5. Machinery heavier than residential lawn equipment shall not be operated in the area of this system.
 6. Exceeding the maximum daily flow set forth in this document, negates the validity of this design.
 7. Grease, cigarette butts, sanitary napkins (personal hygiene products) and other non biodegradable products shall not be disposed of in this system.

Number of BR's	Table 1 Soil Classification	Ra Application Rate	Daily Flow Gallons	Absorptive Area Required Sq. Ft.	Excavation Length Required	Gravel Needed In Yards	Gravel Needed In Tons	Tankage Required Gallons
2	II	0.25	225	900	180	20.6	25.9	750

System	Longest Trench Run Ft.	Number of Runs	Between Trench Ft.	Between Trench Runs	Trench Width Ft.	System Trench Area
Totals	55	3	5	4	3	Total
Linear Ft.		165		20		185
Sq. Ft.		825		100		925



TYPICAL DRAINFIELD - SECTIONAL VIEW



Jay Churchwell

DRAWN BY: KC
 WAYNE COLBY .58 AC. RANSOM HOUSE SURVEY A-244
 13998 OLD TEXACO RD CONORE, TX 77302
 COUNTY or Agency: MONTGOMERY
 R42668
 SCALE: #####
 DATE: 16 Jun 2017
 DRAWING: COLBYWAY

CORONADO ENVIRONMENTAL
 PROFESSIONAL SANITARIAN STATE LICENSE 2721 WWW.CORONADO.TX.COM E-MAIL: NFO@CORONADO.TX.COM
 1300 S. FRAZIER STE 102 CONROE, TX 77301 (936)539-2999 VOICE (936)539-2955 FAX