



**Queen  
Anne's  
County**

**DEPARTMENT OF PUBLIC WORKS  
SANITARY DISTRICT**

310 Bateau Drive  
Stevensville, MD 21666

Telephone: (410) 643-3535

Fax: (410) 643-7364

www.qac.org

**Southern Kent Island Sanitary Subdistrict  
Septic Tank Effluent Pump (STEP) System Area  
Requirements for New Building Permits on Vacant Lots**

- I. **Prerequisites to Apply for Building Permit**
  - a. Execution of Easement
  - b. Execution of Public Works Agreement and payment of Allocation Fee
- II. **Building Permit Requirements**
  - a. Site Plan – site plan to be provided by builder for review at time of building permit submission. Can be incorporated in with the site plan normally required for a building permit (on 11x17 at 20 scale).
    - i. Show STEP tank location, required to be in front yard, with the tank wall nearest the road right-of-way being 15-feet from the right of way line, at least 10-feet from either side yard lot line. If the tank is to be located in, or would have a tank wall within 5-feet of edge of, a driveway, the tank will be required to be traffic bearing – see detail.
    - ii. Show location of existing curb stop with distance from nearest property line.
    - iii. Show path of 4-inch gravity sewer and all necessary cleanouts in accordance with plumbing code and STEP Tank Detail.
    - iv. Show location of electric meter, STEP electrical disconnect, STEP control panel, and conduit run from panel to STEP - see detail. Note control panel to be in sight of STEP.
    - v. Show location of well with 50-foot radius ring and 10-foot radius ring – STEP tank cannot be within 50-foot ring and no sewer piping can be within 10-foot ring.
    - vi. Water Conditioner (if any) – provide copy of Environmental Health Department permit for means to dispose of backwash and show location of backwash sump/drainfield, etc.
    - vii. Sump Pumps (if any) – detail the disposal of sump pump discharge (not into STEP tank).
- III. **Installation Specifications**
  - a. Pressure line from STEP to curb stop not allowed to have any joints and is to be 1-inch SDR-7 PE.
  - b. 4-inch gravity to be Schedule 40 (no foam core) solvent weld, or SDR-21, with 8-gauge bare solid copper tracer wire – minimum 3-foot bury in traffic area (or encase) defined as under, or within 3-feet, of driveways.
  - c. All cleanouts to be traffic bearing.
  - d. Pressure line to connect to existing curb stop via bronze pack-joint coupling (1 by 1¼).
  - e. Plumber will be required to pull a permit from the Sanitary District.
  - f. STEP tank not to be installed prior to well being drilled, or prior to rough-in plumbing being completed.
- IV. **Certificate of Occupancy Requirements**
  - a. Certificate of Origin from Orenco (STEP Component Manufacturer).
  - b. Certificate of Origin from concrete tank manufacturer – tank must be 1500-gallon two compartment and tank manufacturer must be pre-approved (copy of invoice will suffice).
  - c. Bill of Sale of all components to be owned and operated by County (attached).
  - d. Verification of inspections by MDIA and Queen Anne's County Environmental Health of any water conditioning installations, i.e. plumbing inspection and sanitary permit installation inspection.

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3/1/18

**Southern Kent Island Sanitary Subdistrict**  
**Septic Tank Effluent Pump (STEP) System Area**  
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**STEP Tanks - IT IS ESSENTIAL THE TANKS BE LEAK TIGHT.** Tanks that leak will be rejected and will need to be removed and replaced with new.

1. STEP tanks must be concrete, two-compartment, 1500-gallon, and leak tested. Specify that the tanks are for the Southern Kent Island Sanitary Subdistrict.
2. STEP tanks must be purchased from a pre-approved vendor. The following tank vendors are pre-approved:

Gillespie & Son, Inc. (top seam tank)  
100 Dixon Drive  
Chestertown MD 21620-0450  
(410) 778-0900

Baystar Precast Company (top seam tank)  
925 Skinners Turn Road  
Owings MD 20736  
(410) 257-1312

Mayer Brothers, Inc. (monolithic tank)  
6264 Race Road  
Elkridge MD 21075  
(410) 796-1434

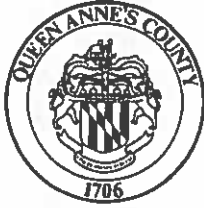
Note top seam tanks must have mechanical fasteners to further ensure the lid does not separate from the tank's body during the first few years due to differential settlement.

3. Tanks must be leak tested as follows (note the below supersedes the 'Leakage Testing Notes' on the below referenced detail):
  - a. It is strongly advised that the assembled tanks be leak tested at the manufacturer's yard by filling the tanks completely full and monitor for leaks.
  - b. Once the tank is placed in the excavation, and five foot of gravity sewer, including the cleanout, is installed and capped, backfill around the tank to 12-inches below the top of the tank.
  - c. The risers are installed in accordance with Orenco's instruction (the STEP pump component manufacture) – this riser installation is critical and is the primary source of leaks.
  - d. Once the risers are installed, the tanks are over-filled such that water stands into the risers by three inches.
  - e. ANY leakage in two hours will be cause for rejection.
4. Refer to detail "SKI Pressure Sewer S.T.E.P. Detail" – note the required 24-inch of cover.

**Southern Kent Island Sanitary Subdistrict  
Septic Tank Effluent Pump (STEP) System Area  
Requirements for New Building Permits on Vacant Lots**

Pump and Controls – Orenco Systems, Inc. is the supplier for all the pump components. Use the following contacts to order – specify needing the Queen Anne’s County package. It is suggested visiting the [Orenco.com](http://Orenco.com) website for additional information.

Garry-Lee G. Espinosa  
Systems Engineer - Northeast Region  
Orenco Systems, Inc.  
814 Airway Avenue  
Sutherlin, OR 97479  
Phone: (800) 348-9843 ext. 322  
Fax: (541) 459-2884  
e-mail: [gspinosa@orencosystems.com](mailto:gspinosa@orencosystems.com)



THE DEPARTMENT OF PUBLIC WORKS
OF QUEEN ANNE'S COUNTY

SANITARY DISTRICT

310 BATEAU DRIVE
STEVENSVILLE, MARYLAND 21666
PHONE: 410-643-3535 FAX: 410-643-7364
TDD: 410-758-2126
e-mail: sanitary2@qac.org

SOUTHERN KENT ISLAND - RESIDENTIAL SEWER APPLICATION

CHECK WHICH APPLIES: NEW CONNECTION \_\_\_ DISCONNECT \_\_\_ REPAIR/RELOCATE \_\_\_ ACCOUNT # - SK- \_\_\_

Property Owner: \_\_\_\_\_ Phone: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Property Location:

Grid for property location details including (number), (street), (subdivision), (tax map), (parcel), (block), and (lot).

- 1. Permit Fee = \$250.00
2. Will there be a sump pump installed: \_\_\_ YES \_\_\_ NO - Sump pumps must not discharge into sewer system.
3. Will there be a water conditioner installed: \_\_\_ YES \_\_\_ NO - Backwash must not discharge into sewer system.
4. The name, address & phone number of the STEP tank installer...
5. The name, address & phone number of the plumber...
6. I have been authorized by the owner to do the work herein described...

Registered Master Plumber Signature: \_\_\_\_\_ Date: \_\_\_\_\_
Md License No. \_\_\_\_\_ QAC License No. \_\_\_\_\_

7. In consideration of the granting of this permit, the undersigned agrees to maintain the sewer service line from the STEP tank to the home at no expense to the County.
Property Owner Signature: \_\_\_\_\_ Date: \_\_\_\_\_
Application approved and permit issued by: \_\_\_\_\_ Date: \_\_\_\_\_

OFFICE USE ONLY BELOW

PWA?: \_\_\_ Easement?: \_\_\_ Site Plan Approved?: \_\_\_ Bill of Sale?: \_\_\_ Date Pump Installed: \_\_\_ Orenco Warranty Submittal Date: \_\_\_

**LEGAL ENTITY: CORPORATION  
PARTNERSHIP OR LLC**

**SOUTHERN KENT ISLAND  
S.T.E.P. SEWER SYSTEM EASEMENT**

THIS GRANT OF EASEMENT, made this \_\_\_\_\_ day of \_\_\_\_\_, 201\_\_,  
between \_\_\_\_\_, hereinafter called the Grantor(s),  
and THE COUNTY COMMISSIONERS OF QUEEN ANNE'S COUNTY, a political subdivision of the  
State of Maryland, hereinafter called the Grantee,

**WITNESSETH:**

For good and valuable consideration receipt of which is hereby acknowledged, the Grantor(s) hereby grant and convey to the Grantee, its successors and a perpetual easement for inspection, operation, maintenance and repair of septic tanks, pump chambers, pressure sewer connection lines and pump electrical services, including the pump status or control panel, over, under, upon and through that certain real property situate and being in the Fourth Election District, Queen Anne's County, Maryland and more particularly described as follows:

Street Address:  
Legal Description  
Tax Map No. \_\_\_ Parcel \_\_\_  
Tax I.D. No. 1804 \_\_\_\_\_

This perpetual easement is hereby reserved for and granted by the Grantor(s) to the Grantee, its successors and assigns, for inspection, construction, placement, operation, maintenance, and repair of any or all portions of the septic tank effluent pumps (S.T.E.P.) system including but not restricted to: septic tanks, pump chambers, pressure/gravity sewer connection lines and the pump status or control panel, over, under, through and across the land described above.

The width of the perpetual easement herein reserved shall be five feet each side of pipe and electrical lines as constructed. The width of the tank easement shall extend five feet beyond the edges of the tank.

Grantor(s) shall maintain and is responsible for the house lateral connecting the tank to the house plumbing and inlet to the tank chamber. Grantee, its agents and employees, shall have the right to temporarily utilize such area beyond the easement area described above that is necessary for the operation, maintenance and repair activities on the S.T.E.P. system.

This easement shall run with and bind the land above described, and binds owners, transferees, donees, assigns and successors in interest in the same manner as it binds Grantor(s) herein.

IN WITNESS WHEREOF, this instrument has been executed the day and year first above written.

ATTEST:

ENTITY:

\_\_\_\_\_

By: (Print Name) \_\_\_\_\_

Title: \_\_\_\_\_

STATE of \_\_\_\_\_

COUNTY of \_\_\_\_\_

I HEREBY CERTIFY, that on this \_\_\_\_ day of \_\_\_\_\_, 201\_\_, before me, the subscriber, a Notary Public of the State and County aforesaid, personally appeared \_\_\_\_\_, who acknowledged himself/herself to be the \_\_\_\_\_ of \_\_\_\_\_, being authorized to do so, executed the foregoing for the purposes therein contained, by signing the name of the corporation/partnership/limited liability company by himself/herself as \_\_\_\_\_.

WITNESS my hand and notarial seal.

\_\_\_\_\_  
Notary Public

My Commission Expires:

This instrument was prepared by or under the supervision of an attorney licensed to practice law in the State of Maryland, is presented for recordation by Queen Anne's County, and is exempt from recordation fees pursuant to MD. CODE ANN. §3-603 of the Real Property Article.

\_\_\_\_\_  
Patrick E. Thompson, County Attorney

THIS PUBLIC WORKS AGREEMENT, made and executed this \_\_\_\_\_ day of \_\_\_\_\_, 2018, by and between **THE COUNTY COMMISSIONERS OF QUEEN ANNE'S COUNTY, MARYLAND**, a body politic of the State of Maryland, sometimes hereinafter called "**COUNTY**", party of the first part, and **JOHN Q. PUBLIC**, sometimes hereinafter called "**OWNER**", party of the second part.

NOW THEREFORE WITNESSETH: that for and in consideration of the mutual covenants and promises herein contained, the parties herein agree as follows:

- I. The property of **OWNER**, recorded among the Land Records of Queen Anne's County as Tax Map \_\_\_, Parcel \_\_\_, Lot \_\_\_ is currently vacant.
- II. **OWNER** will pay the **COUNTY** the sum of **EIGHT THOUSAND FIVE HUNDRED FIFTY** dollars (\$8,550.00) as a connection for acquiring capacity in the Southern Kent Island Area Wastewater System. The proposed capacity of 250 gpd shall be used to construct a single family home on the existing lot.  

It is understood by all parties concerned that the property will still be subject to all charges of the Southern Kent Island Area Wastewater Subdistrict, including debt service charges.
- III. The property will be subject to additional charges at the time building permits are applied for if to be used for other than the above mentioned uses.
- IV. **OWNER** will be responsible for the installation of any additional sewer appurtenances necessary for service to the property, for obtaining all necessary permits, and for the payment to the **COUNTY** of all associated inspection fees. Any fees unpaid within 30 days will be subject to a 1-1/2% per month interest charge.
- V. **OWNER** recognizes they will be billed user charges at the next regularly scheduled quarterly billing following the execution of this agreement.
- VI. All monies owed to the Queen Anne's County Sanitary District hereunder will be liens against the property collectable in the same manner as County taxes and will be paid in full prior to any transfer of the property.
- VIII. All monies owed are subject to, and due in accordance with, Queen Anne's County Sanitary District codes and policies.

**WITNESS:**

\_\_\_\_\_

**PROPERTY OWNER:**

\_\_\_\_\_

**ATTEST:**

\_\_\_\_\_

**THE COUNTY COMMISSIONERS  
OF QUEEN ANNE'S COUNTY**

\_\_\_\_\_  
Alan L. Quimby, Chief Sanitary Engineer

**APPROVED:**

\_\_\_\_\_

Todd R. Mohn  
Director of Public Works

**APPROVED AS TO FORM AND LEGAL SUFFICIENCY:**

This document was prepared by, or under the supervision of, the undersigned, an attorney admitted to practice before the Court of Appeals of Maryland.

\_\_\_\_\_

Patrick E. Thompson  
County Attorney

This instrument is being recorded by Queen Anne's County and is exempt from recording fees pursuant to Section 3-603 of the Real Property Article of the Annotated Code of Maryland.

Tax Map \_\_\_ Parcel \_\_\_ Lot \_\_\_

Account Number SK-\_\_\_



Septic Tank Effluent Pump System – Bill of Sale

(corporate form)

THIS BILL OF SALE is made and executed this \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, by and between \_\_\_\_\_, hereinafter called Grantor(s), and the Queen Anne’s County Sanitary District, a department of a Municipal Corporation, hereinafter called the Grantee.

WITNESSETH:

That the grantor(s), for good and valuable consideration, the receipt of which is hereby acknowledged, hereby convey, set over, assign and warrant to Queen Anne’s County the following described personal property situated in Southern Kent Island Sewer Service Area, Queen Anne’s County, State of Maryland,

TO WIT:

The Septic Tank Effluent Pumping system; consisting of the pressure sewer pipe from the curb stop at the street to the tank, the tank and all its appurtenances, the gravity lateral from the tank to the first upstream cleanout, the pump control panel and its electrical conduit and wiring from the panel to the tank, lying within the following described parcel:

Lot \_\_\_\_\_, Block \_\_\_\_\_, Subdivision, \_\_\_\_\_, Parcel \_\_\_\_\_, Tax Map \_\_\_\_\_

Tax ID No. 1804 \_\_\_\_\_ Service Address: \_\_\_\_\_

The Grantor(s) hereby warrants that they are the sole owner(s) of all the property above conveyed, they have the full power to convey the same, and that they will defend the title of said Grantee against any and all persons lawfully making claims thereto and further warrants the property to be free of defects in materials or workmanship for a period of one (1) year from the date hereof:

\_\_\_\_\_  
(Corporate Name)

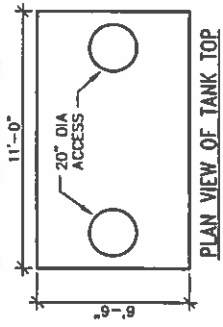
\_\_\_\_\_  
(Grantor Signature)

\_\_\_\_\_  
(Grantor’s Printed Name & Title)

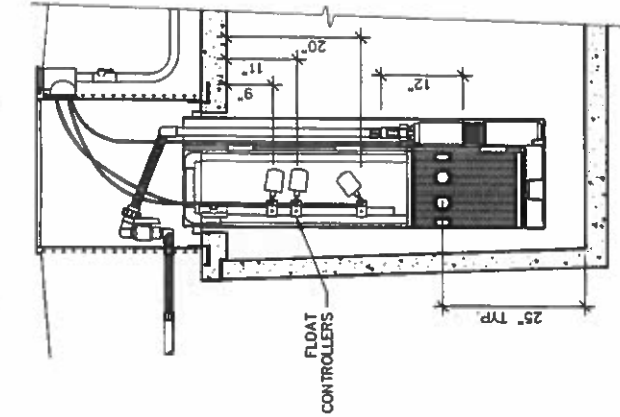
STATE of \_\_\_\_\_

COUNTY of \_\_\_\_\_

I HEREBY CERTIFY, that on this \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me, the subscriber, a Notary Public of the State and County aforesaid, personally appeared \_\_\_\_\_, who acknowledged himself/herself to be the \_\_\_\_\_ of \_\_\_\_\_, being authorized to do so, executed the foregoing for the purposes therein contained, by signing the name of the corporation/partnership/limited liability company by himself/herself as \_\_\_\_\_.



PLAN VIEW OF TANK TOP

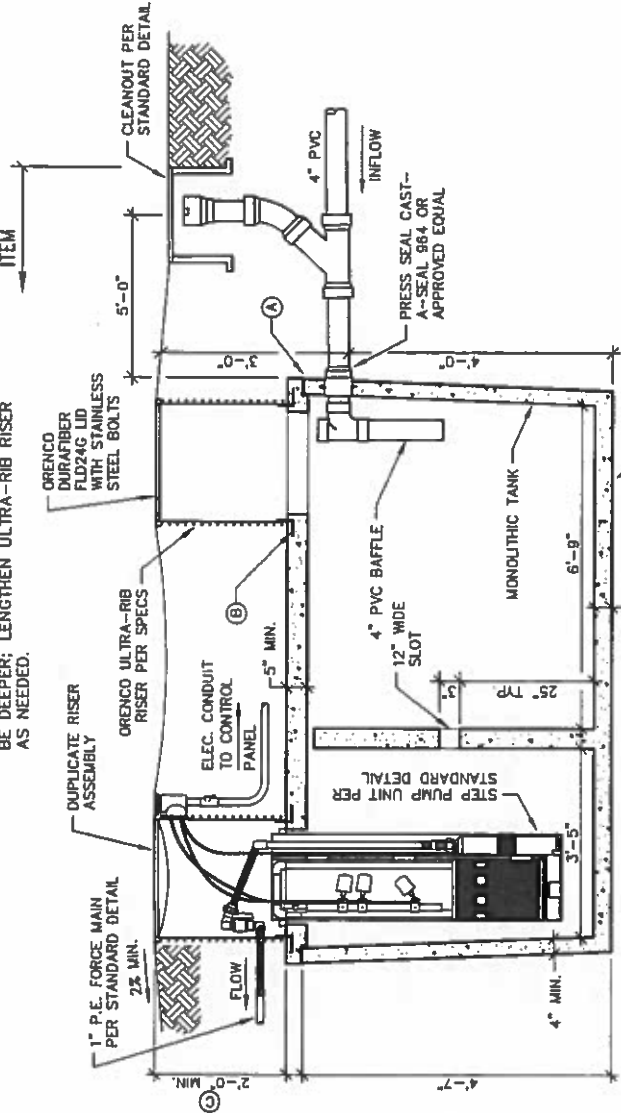


CONTROLLING DIMENSIONS

KEYED NOTES:

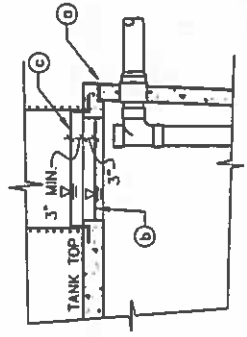
- A PERFORMED FLEXIBLE PLASTIC GASKET PER SPECIFICATIONS
- B ORENCO PRTA24-2 FLANGE CAST INTO TOP PER SPECIFICATIONS
- C TYPICAL INSTALLATION SHALL HAVE 2'-0" COVER, SOME INSTALLATIONS MAY BE DEEPER; LENGTHEN ULTRA-RIB RISER AS NEEDED.

LIMIT OF PAYMENT ITEM



NOTES:

1. STRUCTURE SHALL BE PRECAST WITH CONCRETE WATERPROOFING ADMIXTURE. USE XYPEX ADMIX WITH PRODUCT NUMBER AND RATE PER XYPEX TECHNICAL SERVICES REPRESENTATIVE. ALTERNATE WATERPROOFING PRODUCTS OR TECHNIQUES MUST BE APPROVED BY THE SANITARY DISTRICT ENGINEER.
2. CONCRETE SHALL BE #4500 PSI AT 30 DAYS. PROVIDE STEEL REINFORCING PER STRUCTURAL ENGINEER.
3. PVC TO BE 4" SCHEDULE 40, SOLVENT WELL.
4. TANK TOP SHALL BE NOTCHED ALONG THE PERIMETER AND MECHANICALLY FASTENED TO PREVENT SHIFTING DURING TANK SETTLEMENT.
5. TANK, TOP SEAM, RISER JOINTS AND ACCESS HATCH SHALL BE WATERTIGHT. REFER TO SPECIFICATIONS REGARDING REQUIRED HYDROSTATIC TESTING.



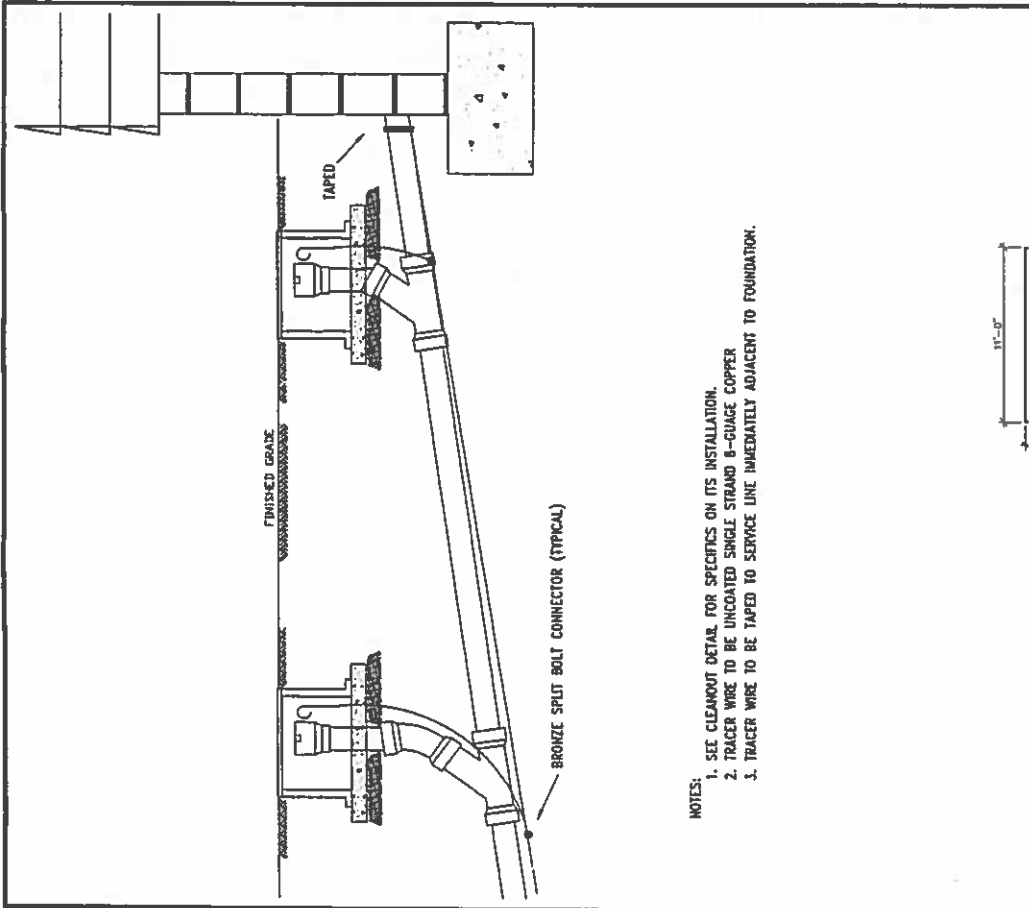
Sanitary District Detail

SKI PRESSURE SEWER  
S.T.E.P. TANK DETAIL

DATE	4-16	REVISION	
SCALE	NTS		
DRAWN BY	SL		
APPROVED BY	CADD		
FILE	dl-ski-ps-step		

LEAKAGE TESTING NOTES:

- a. TANK TEST - AFTER INSTALLATION IS COMPLETED AND BEFORE BACKFILLING OVER THE TOP OF THE TANK, EACH TANK SHALL BE TESTED BY FILLING WITH WATER TO THE SOFFIT (I.E. THE TOP OF THE SIDEWALL) AND LETTING STAND. AFTER 24 HOURS, THE TANK SHALL BE REFILLED TO THE SOFFIT AND THE EXFILTRATION RATE SHALL BE DETERMINED BY MEASURING THE WATER LOSS DURING THE NEXT TWO (2) HOURS. ANY LEAKAGE SHALL BE CAUSE FOR REJECTION. AFTER IT HAS BEEN DETERMINED THAT THERE IS NO LEAKAGE, PROCEED TO TEST THE LID TO TANK SEAM.
- b. TANK LID LEAK TEST - FILL THE TANK WITH WATER TO A POINT 3" BELOW THE TOP OF THE TANK'S LID AND THE WATER LOSS MEASURED AFTER A TWO-HOUR PERIOD. ANY LEAKAGE SHALL BE CAUSE FOR REJECTION. AFTER IT HAS BEEN DETERMINED THAT THERE IS NO LEAKAGE, PROCEED TO TEST THE ACCESS RISER SEAM.
- c. ACCESS RISER TO TANK ADAPTOR SEAM LEAK TEST - BACKFILL TO A MINIMUM DEPTH OF 3" ON TOP OF THE TANK TO PREVENT DAMAGE FROM HYDROSTATIC UPLIFT. FILL THE TANK TO A POINT 3" ABOVE THE TOP OF THE TANK. NO TANK WILL BE ACCEPTED IF THERE IS ANY LEAKAGE OVER THE TWO-HOUR PERIOD AT EITHER RISER.

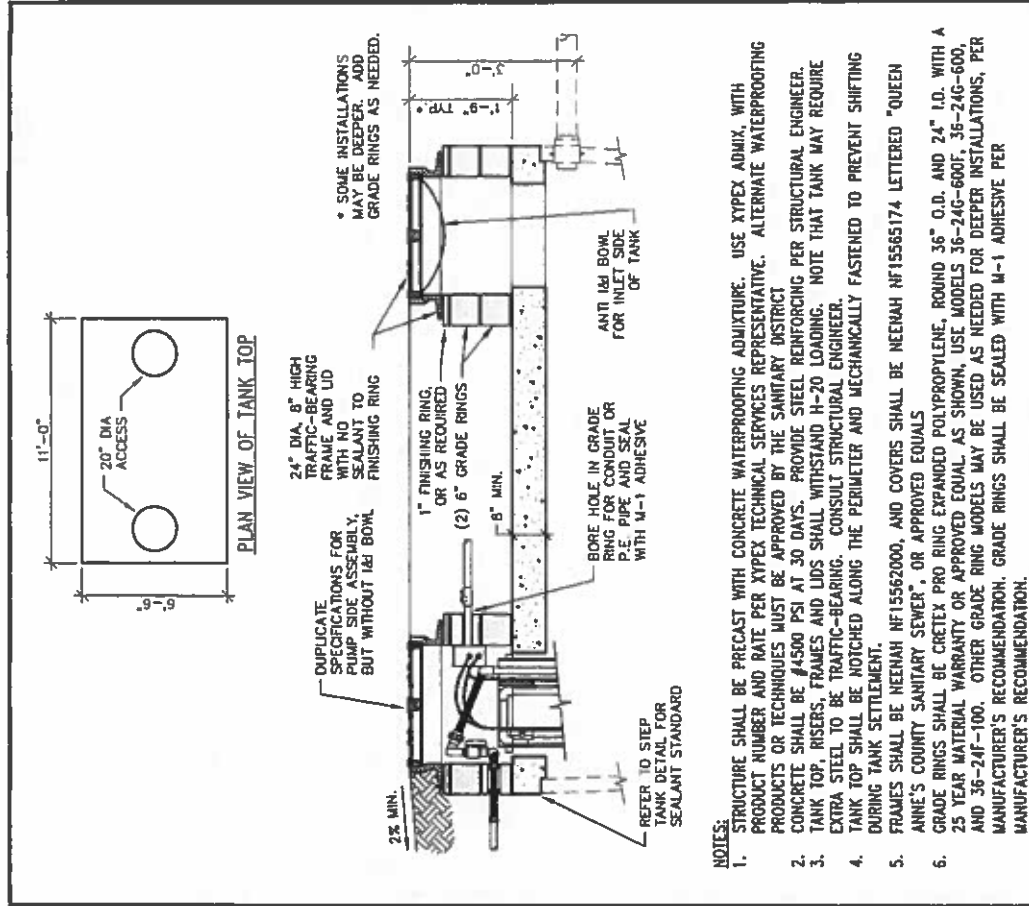


- NOTES:
1. SEE CLEANOUT DETAIL FOR SPECIFICS ON ITS INSTALLATION.
  2. TRACER WIRE TO BE UNCOATED SINGLE STRAND 8-GAUGE COPPER
  3. TRACER WIRE TO BE TAPED TO SERVICE LINE IMMEDIATELY ADJACENT TO FOUNDATION.

Sanitary District Detail

SKI Sewer  
Sewer Service Tracer Wire

DATE	1-16	REVISION	
SCALE	NTS		
DRAWN BY	CADD		
APPROVED BY	AG		
FILE	dl-ski-gs-service		



- NOTES:
1. STRUCTURE SHALL BE PRECAST WITH CONCRETE WATERPROOFING ADMIXTURE. USE XYPEX ADMIX. WITH PRODUCT NUMBER AND RATE PER XYPEX TECHNICAL SERVICES REPRESENTATIVE. ALTERNATE WATERPROOFING PRODUCTS OR TECHNIQUES MUST BE APPROVED BY THE SANITARY DISTRICT
  2. CONCRETE SHALL BE #4500 PSI AT 30 DAYS. PROVIDE STEEL REINFORCING PER STRUCTURAL ENGINEER.
  3. TANK TOP, RISERS, FRAMES AND LIDS SHALL WITHSTAND H-20 LOADING. NOTE THAT TANK MAY REQUIRE EXTRA STEEL TO BE TRAFFIC-BEARING. CONSULT STRUCTURAL ENGINEER.
  4. TANK TOP SHALL BE NOTCHED ALONG THE PERIMETER AND MECHANICALLY FASTENED TO PREVENT SHIFTING DURING TANK SETTLEMENT.
  5. FRAMES SHALL BE NEENAH NF15562000, AND COVERS SHALL BE NEENAH NF15565174 LETTERED "QUEEN ANNE'S COUNTY SANITARY SEWER", OR APPROVED EQUALS
  6. GRADE RINGS SHALL BE GRETEX PRO RING EXPANDED POLYPROPYLENE, ROUND 36" O.D. AND 24" I.D. WITH A 25 YEAR MATERIAL WARRANTY OR APPROVED EQUAL. AS SHOWN, USE MODELS 36-24G-600F, 36-24G-600, AND 36-24F-100. OTHER GRADE RING MODELS MAY BE USED AS NEEDED FOR DEEPER INSTALLATIONS, PER MANUFACTURER'S RECOMMENDATION. GRADE RINGS SHALL BE SEALED WITH M-1 ADHESIVE PER MANUFACTURER'S RECOMMENDATION.

DATE	4-16	REVISION	
SCALE	NTS		
DRAWN BY	SL		
APPROVED BY	CADD		
FILE	dl-ski-ps-top		

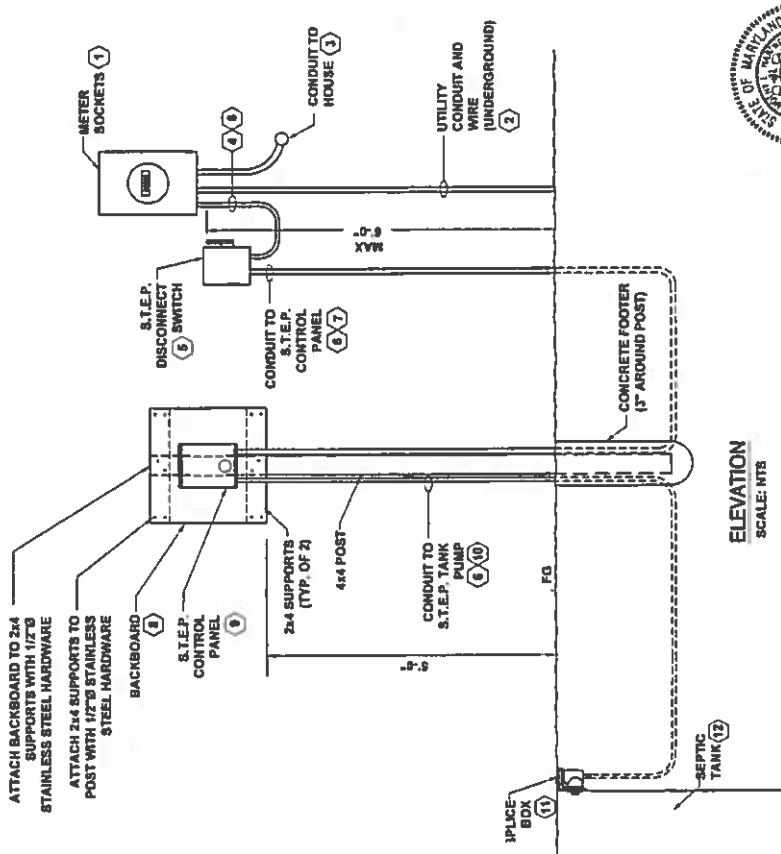


Sanitary District Detail

SKI Pressure Sewer  
Traffic-Bearing Tank Top


**CODED NOTES:**

- ① METER SOCKETS SHALL HAVE ADDITIONAL LIJG TAP TERMINALS INSTALLED ON THE LOAD SIDE OF THE UTILITY METER. UTILITY METER SHALL BE SIZED FOR HOUSE LOADS AND S.T.E.P. DS.
- ② COORDINATE CONDUIT AND WIRE SIZE FOR THE SERVICE SIDE OF THE METER.
- ③ THE CONDUIT AND WIRE FROM THE METER TO THE MAIN SERVICE DISCONNECT IN OR ON THE HOUSE SHALL NOT BE ALTERED.
- ④ INSTALL 1" CONDUIT FROM METER TO S.T.E.P. DISCONNECT SWITCH WITH (2)-#10-#10GND.
- ⑤ PROVIDE AND INSTALL S.T.E.P. DISCONNECT SWITCH, 30A, 2 POLE WITH FUSES IN NEMA 3R ENCLOSURE. CONDUCTOR LENGTH SHALL BE NO MORE THAN 10 FEET FROM THE METER BOX TO THE DISCONNECT.
- ⑥ ABOVE GROUND CONDUIT SHALL BE RIGID GALVANIZED STEEL (RGS), CONTINUE RGS UNDERGROUND A MINIMUM OF 24" TO CONNECT TO PVC CONDUIT. UNDERGROUND CONDUIT SHALL BE PVC SCHEDULE 40 AT 24" BELOW FINISHED GRADE.
- ⑦ INSTALL 3/4" CONDUIT FROM S.T.E.P. DISCONNECT SWITCH TO S.T.E.P. CONTROL PANEL WITH (2)-#10-#10GND FROM 0-240 FEET AND (2)-#8-#10GND FROM 240-382 FEET.
- ⑧ THE BACKBOARD SHALL OFFSET A MINIMUM 8" FROM BUILDING STRUCTURES TO ALLOW CLEARANCE FOR THE POST TO BE INSTALLED. BACKBOARD SHALL BE APPROXIMATELY 24"x24" W/ MADE OF 3/4" THICK PRESSURE TREATED WOOD. POST AND 2x4 SUPPORTS SHALL BE MADE OF PRESSURE TREATED WOOD. PROVIDE STAINLESS STEEL HARDWARE.
- ⑨ MOUNT CONTROL PANEL AND S.T.E.P. DISCONNECT SWITCH TO BACKBOARD USING 1/4"x8" STAINLESS STEEL HARDWARE.
- ⑩ WIRE INSTALLED IN 3/4" CONDUIT TO STEP TANK SHALL BE SIZED AS FOLLOWS:  
 - 0-240 FEET SHALL BE (2)-#10-(4)-#14-#12GND  
 - 240-382 FEET SHALL BE (2)-#8-(4)-#14-#10GND
- ⑪ SPLICE BOX SHALL BE MOUNTED TO EXTERIOR OF SEPTIC TANK RISER.
- ⑫ SEPTIC TANK TO HAVE A 1/2 HP MOTOR INSTALLED AND (3) FLOATS FOR HIGH LEVEL ALARM, PUMP ON & OFF, AND REDUNDANT OFF & LOW LEVEL ALARM. CONNECT MANUFACTURER POWER AND CONTROL CABLES FROM MOTOR AND FLOATS TO FIELD CONDUCTORS IN SPLICE BOX.



**ELEVATION**  
SCALE: NTS

**ELECTRICAL SERVICE**




ENGINEERS & INTERIORS  
2141 PINEST BRIDGE DRIVE  
SHELTON, MD 21151-7335  
(410)451-7335

**Sanitary District Detail**

**SKI ELECTRIC DETAILS**  
**NEW HOME CONSTRUCTION**

DATE	REVISION	SCALE	FILE
9-17		NO SCALE	EC508-E-02
		DRAWN BY NJZ	
		APPROVED BY TLT	



QUEEN ANNE'S COUNTY  
1706