

- BASIS OF DESIGN FOR PRIMARY MOUND (MOUND A):**
THE DESIGN FOR THE PROPOSED PROJECT IS PERFORMANCE BASED.
- SEWAGE FLOW: 2000 GPD
 - LOADING RATE: 1.0 GPD / SF
 - REQUIRED DISPOSAL FIELD AREA: 2000 GPD / 1.0 GPD/SF = 2000 SF
 - DISPOSAL AREA PROVIDED: 4 TRENCHES @ 4' WIDE x 140' LONG = 2240 SF
 - BASAL AREA = 2000 GPD / 74 GPD/SF = 2702.7 SF
 - BASAL AREA PROVIDED = 7000 SF
 - ORIFICE SPACING: (1) ORIFICE PER 25 SF
 - ORIFICES REQUIRED: 2240 SF / 25 SF/ORIFICE = 89.6 ORIFICES
 - USE 92 ORIFICES AT 3/16" - 0.66 GPM/ORIFICE (MAINTAIN MINIMUM 1 PSI PER ORIFICE)
 - REQUIRED FLOW: 92 ORIFICES @ 0.66 GPM/ORIFICE = 60 GPM USE 76 GPM.
 - PUMP SELECTION: REFER TO PUMP STATION DETAIL AND CONFIRM CONDITIONS BASED ON ACTUAL ELEVATION OF RESPECTIVE PUMP STATION.

- BASIS OF DESIGN FOR REPLACEMENT MOUND (MOUND B):**
THE DESIGN FOR THE PROPOSED HOUSE IS PERFORMANCE BASED.
- SEWAGE FLOW: 2000 GPD
 - LOADING RATE: 1.0 GPD / SF
 - REQUIRED DISPOSAL FIELD AREA: 2000 GPD / 1.0 GPD/SF = 2000 SF
 - DISPOSAL AREA PROVIDED: 5 TRENCHES @ 4' WIDE x 100' LONG = 2000 SF
 - BASAL AREA = 2000 GPD / 74 GPD/SF = 2702.7 SF
 - BASAL AREA PROVIDED = 6200 SF
 - ORIFICE SPACING: (1) ORIFICE PER 25 SF
 - ORIFICES REQUIRED: 2000 SF / 25 SF/ORIFICE = 80.0 ORIFICES
 - USE 85 ORIFICES AT 3/16" - 0.66 GPM/ORIFICE (MAINTAIN MINIMUM 1 PSI PER ORIFICE)
 - REQUIRED FLOW: 85 ORIFICES @ 0.66 GPM/ORIFICE = 56 GPM USE 74 GPM.
 - PUMP SELECTION: REFER TO PUMP STATION DETAIL AND CONFIRM CONDITIONS BASED ON ACTUAL ELEVATION OF RESPECTIVE PUMP STATION.

PROPOSED USE:

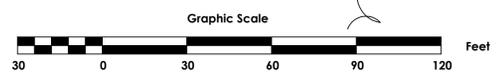
74 SEAT RESTAURANT
 74 SEAT x 30 GPD/SEAT = 2220 GAL
 10% CREDIT FOR LOW FLOW FIXTURES
 2220 GPD x 0.9 = 1998 GPD
 USE 2000 GPD SYSTEM

PROPOSED WATER DESIGN (WSID 8204):

ADD = 3.096 GPD
 MDD = ADD/720
 = 3.096 GPD / 720 = 4.3 GPM
 IPD = 26.5 GPM

PERC TEST RESULTS:

PT-1 32 MIN/IN
 PT-2 17 MIN/IN
 PT-3 18 MIN/IN



Revisions

No.	Description	Date	By

41-50-19

Use of These Drawings
 1. Unless otherwise noted, these Drawings are intended for preliminary planning, coordination with other disciplines or utilities, and/or approval from the regulatory authorities. They are not intended as construction drawings unless noted as such or marked approved by a regulatory authority.
 2. By use of these drawings for construction of the Project, the Owner represents that they have reviewed, approved, and accepted the drawings, obtained all necessary permits, and have met with all applicable parties/disciplines, including but not limited to, the Engineer and the Architect, to insure these plans are properly coordinated including, but not limited to, contract documents, specifications, owner/contractor agreements, building and mechanical plans, private and public utilities, and other pertinent permits for construction.
 3. Owner and Architect, are responsible for final design and location of buildings shown, including an area measured a minimum five (5) feet around any building and coordinating final utility connections shown on these plans.
 4. Prior to using these plans for construction layout, the user shall contact TCE to ensure the plan contains the most current revisions.
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 6. It is the User's responsibility to ensure this copy contains the most current revisions. If unsure, please contact TCE.



Project Title

Point Bay Marina
 1401 Thompson's Point Rd
 Charlotte, Vermont

Sheet Title

Sanitary Plan

Date:	02/01/16
Scale:	1" = 30'
Project Number:	15-203
Drawn By:	NPC
Project Engineer:	JPP
Approved By:	
Field Book:	335

C3-02