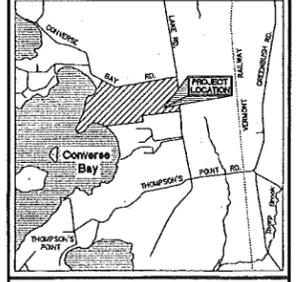


SITE ENGINEER:

 CIVIL ENGINEERING ASSOCIATES, INC.
 10 MANSFIELD VIEW LANE, SOUTH BURLINGTON, VT 05403
 802-664-2323 FAX 802-664-2271 web: www.cea-va.com
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 DRAWN: MAB
 CHECKED: JLM/SAV
 APPROVED: SAV


OWNER:
THERESA DIANNE HUDZIAK LIVING TRUST

PROJECT:
PROPOSED WASTEWATER SYSTEM
 4368 LAKE ROAD
 CHARLOTTE VERMONT



LOCATION MAP
 1" = 1500'

DATE	CHECKED	REVISION
09/05/13	JLM	REVISED LOCATION OF WELL AND SHIELD
01/09/14	JLM	STATE WW PERMIT SUBMITTAL REVISION FOR DECISION OF CHARLOTTE PLANNING COMMISSION

OVERALL SITE PLAN

DATE: JULY 15, 2013
 SCALE: 1" = 100'
 PROJ. NO.: 99337
 DRAWING NUMBER: **C1.0**

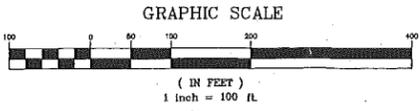
N/F LUGANO

N/F FITZGERALD

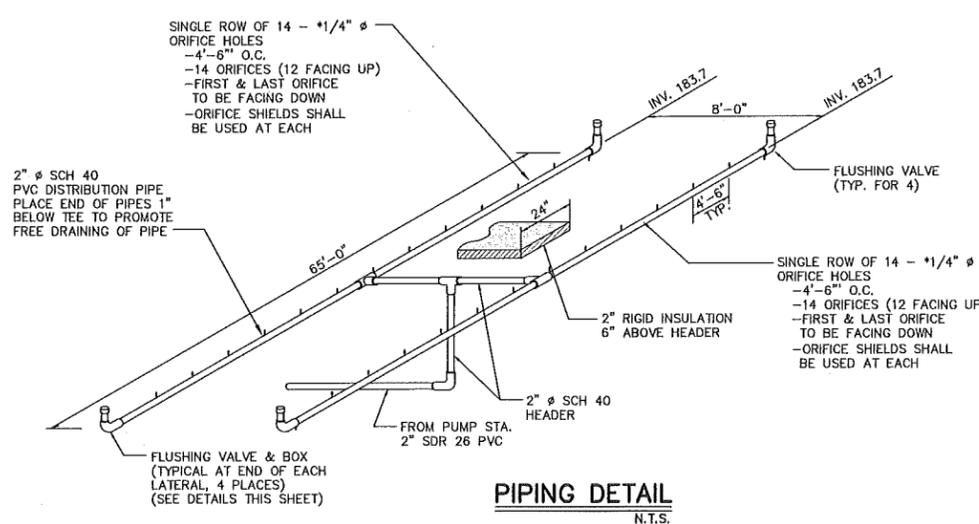
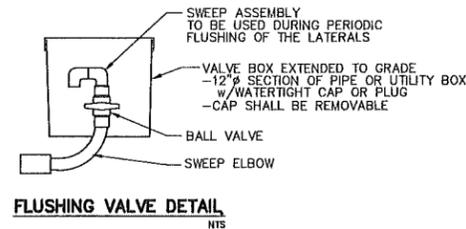
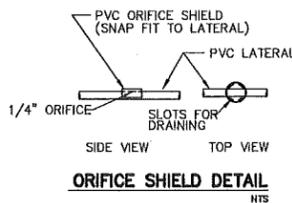
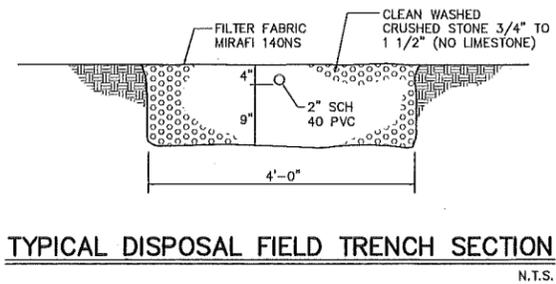
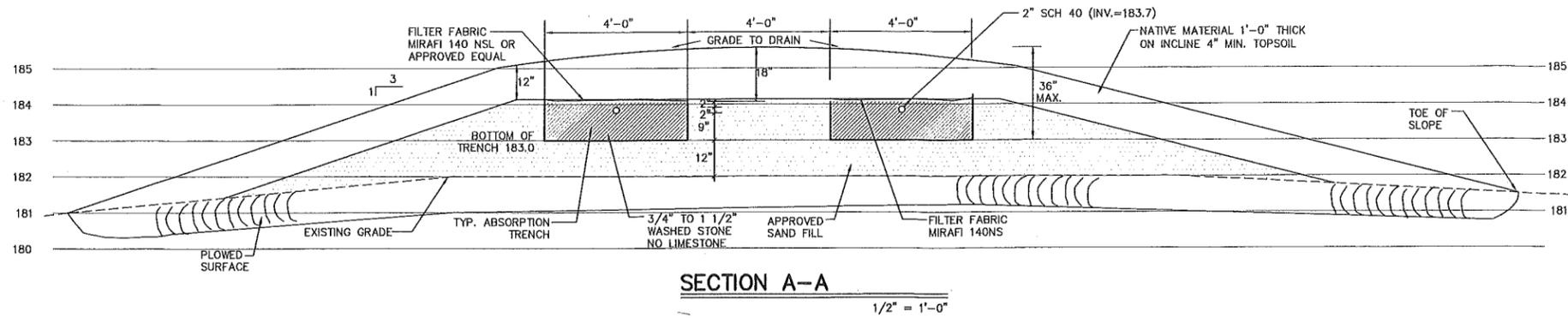
N/F AURORA FARMS

N/F ABELE

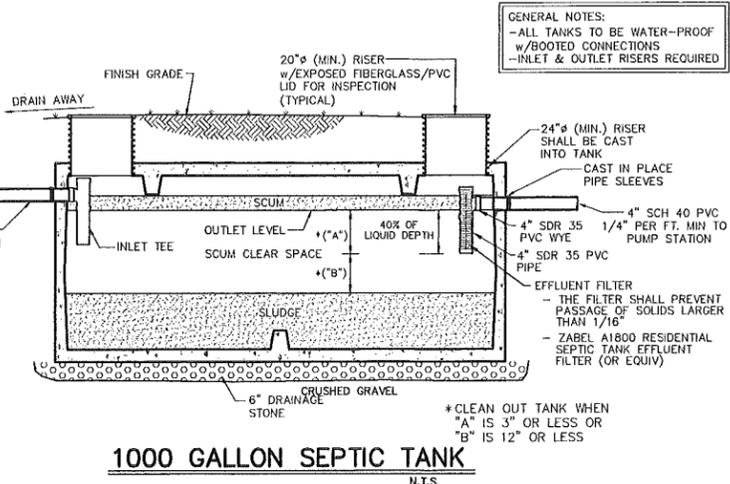
- Notes:
- The purpose of this plan is to depict the proposed subdivision of property of James and Teresa Hudziak, (Lot 4 of the Deeds subdivision) into two parcels identified as lots 4A and 4B, as well as to show the proposed primary wastewater system location and wastewater easement for lot 4B.
 - The basis of this plan is a plat entitled "Final Plat Major Subdivision, Property of Edward A. Deeds II and Brigit N. Deeds" prepared by Civil Engineering Associates, Inc., last revised 5-92, filed in the town of Charlotte land records in map vol. 10, pg. 46.



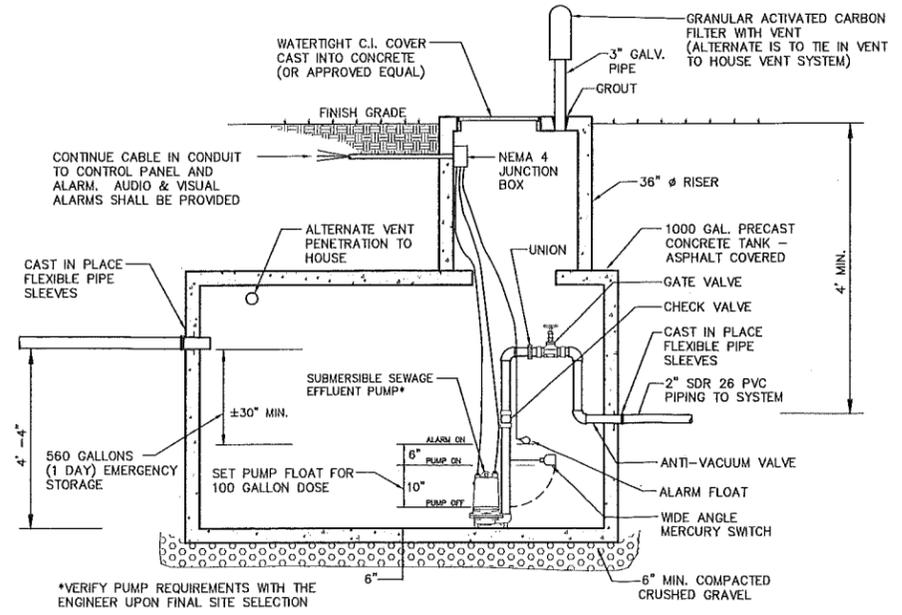
- LEGEND**
- 336 --- EXISTING CONTOUR
 - 336 --- PROPOSED CONTOUR
 - - - - - APPROXIMATE PROPERTY LINE
 - - - - - SETBACK LINE/BUILDING ENVELOPE
 - - - - - EASEMENT
 - - - - - SILT FENCE
 - - - - - CONSTRUCTION FENCE



- INGROUND DISPOSAL FIELD NOTES:**
- A. Materials**
- Schedule 40 PVC pipe meeting the requirements of the latest revision of ASTM Specification D-1785 shall be used. Fittings used in the disposal fields shall be compatible with distribution lines material.
 - Crushed stone shall be clean, durable and no smaller than 3/4 or larger than 1 1/2 inches in diameter.
- B. Installation**
- The wastewater system shall be inspected during critical stages of construction by a qualified consultant. This shall include at a minimum the staking of the disposal field, the trenches after the initial 12\"/>



- Septic Tank Notes**
- Septic tank shall be a precast concrete tank, unless otherwise approved.
 - Maintenance**
 - At least once a year, the depth of sludge and scum in the septic tank should be measured. The tank should be pumped if:
 - The sludge is closer than twelve inches to the outlet baffle or;
 - The scum layer is closer than three inches to the outlet baffle.
 - Under no circumstances should anyone enter a septic tank.
 - Recommendations**
 - The use of garbage grinders is discouraged as sludge accumulation in the septic tank can be increased by up to 40%. If used, the septic tank will require more frequent pumping.
 - The septic system is designed to handle human waste and toilet paper, plus water from plumbing fixtures such as toilets, baths and sinks. Moderate use of household cleaners, detergents and bleach should not damage your system; however, indiscriminate use may cause problems. Non-degradable paper products and any other non-biodegradable substances should not be put in your wastewater system.
 - Minimize the amount of water used in the household. Excessive water could flush solids from the septic tank to the disposal field which leads to clogging or plugging of the piping. When dishwashers and washers are used, make sure loads are full and stagger their use to reduce peak flows, i.e. stagger loads of laundry over several days instead of one day.
 - Walkways, patios and decks or other permanent structures should not be constructed over the septic tank.
 - There should be no need to use commercial "starter", "bacterial feeds", or "cleaners", etc. Bacteria in a septic tank system occurs naturally.



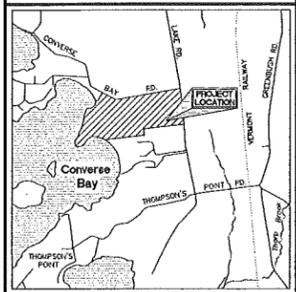
SITE ENGINEER:

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 CHECKED: JLM/SAV
 APPROVED: SAV

OWNER:
THERESA DIANNE HUDZIAK LIVING TRUST

PROJECT:
PROPOSED WASTEWATER SYSTEM
 4368 LAKE ROAD CHARLOTTE VERMONT

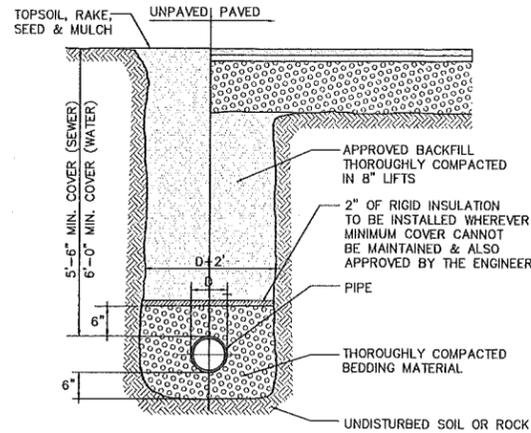


LOCATION MAP
1" = 150'

DATE	CHECKED	REVISION
09/05/13	JLM	REVISED LOCATION OF WELL AND SIELD
01/09/14	JLM	STATE W/P PERMIT SUBMITTAL REVISION PER DECISION OF CHARLOTTE PLANNING COMMISSION

WASTEWATER DETAILS PLAN

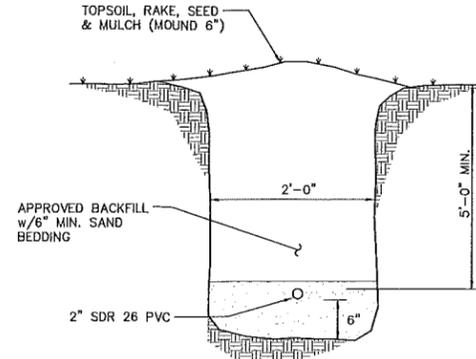
DATE: JULY 15, 2013	DRAWING NUMBER: C2.0
SCALE: AS SHOWN	
PROJ. NO.: 99337	



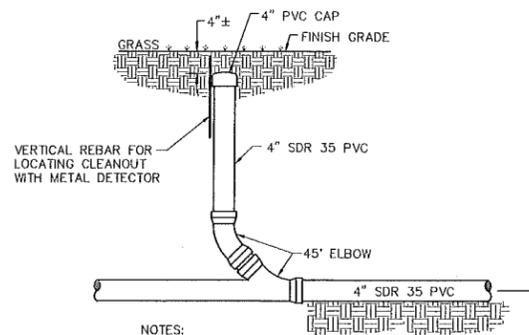
TYPICAL TRENCH DETAIL
N.T.S.

NOTES:

1. Typical sewer trench.
2. Compaction of backfill and bedding shall be a minimum of 90% (95% under roadway surfaces) of maximum dry density determined in the standard proctor test (ASTM D698).
3. Bedding material shall not be placed on frozen subgrade.
4. Approved backfill shall not contain any stones more than 6" in largest dimension, 2" maximum diameter within 2' of the outside of the pipe, or any frozen, or organic material.
5. Trenches shall be completely dewatered prior to placing of pipe bedding material and kept dewatered during installation of pipe and backfill.
6. The sides of trenches 4' or more in depth entered by personnel shall be sheeted or sloped to the angle of repose as defined by O.S.H.A. standards.



FM TRENCH SECTION
N.T.S.

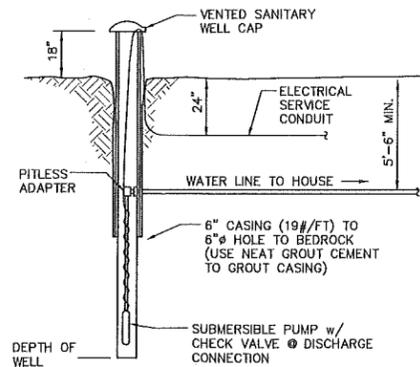


NOTES:

CONTRACTOR SHALL PROVIDE TWO TIES TO

1. ALL BURIED C.O.'s ON THE AS-BUILT PLANS SUBMITTED TO THE OWNER.
2. CLEANOUT TO BE INSTALLED AT INTERVALS OF NOT MORE THAN 100 FEET, AND UPSTREAM OF BEND(S) IN BUILDING SEWER(S) WHEN CHANGE IN PIPE DIRECTION EXCEEDS 45° (USE LONG SWEEP FITTINGS WHEN EXCEEDING 45°)

TYPICAL CLEANOUT DETAIL
N.T.S.



DESIGN BASIS:

AVERAGE DAILY DEMAND = 600 GALLONS (4 BEDROOMS @ 150 GPD)
 MAXIMUM DAY DEMAND 600 GPD/720 MIN. = 0.8 GPM
 INSTANTANEOUS PEAK DEMAND = 5 GPM (RESIDENTIAL UNIT)

NOTE: THE WELL SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE VERMONT WATER SUPPLY RULE - CHAPTER 21 (PART II SMALL SCALE WATER SUPPLY SYSTEMS)

DRILLED WELL DETAIL
NTS

SITE ENGINEER:



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 802-864-2323 FAX: 802-864-2271 www.cca-vt.com

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 CHECKED: JLM/SAV
 APPROVED: SAV

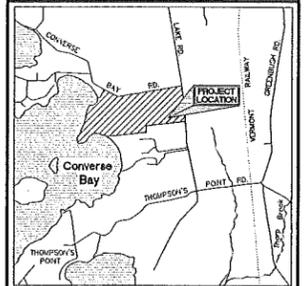
OWNER:

**THERESA DIANNE
 HUDZIAK
 LIVING TRUST**

PROJECT:

**PROPOSED
 WASTEWATER
 SYSTEM**

4368 LAKE ROAD
 CHARLOTTE
 VERMONT



LOCATION MAP

1" = 1600'

DATE	CHECKED	REVISION
09/05/13	JLM	REVISED LOCATION OF WELL AND SHIELD
01/09/14	JLM	STATE WW PERMIT SUBMITTAL REVISION PER DECISION OF CHARLOTTE PLANNING COMMISSION

**WASTEWATER
 DETAILS
 PLAN**

DATE: JULY 15, 2013
 SCALE: AS SHOWN
 PROJ. NO. 99337

DRAWING NUMBER
C2.1