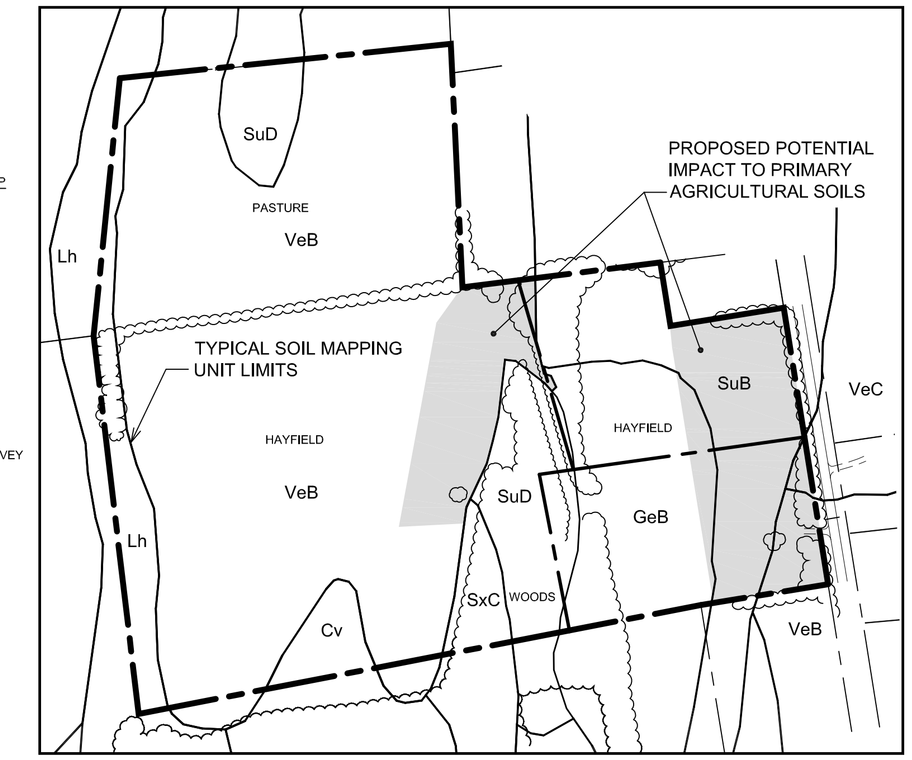
SOIL DATA:

KEY	DESCRIPTION	AGRICULTURAL VALUE GROUP
Cv	COVINGTON SILTY CLAY	6d
GeB	GEORGIA STONY LOAM	3
Lh	LIVINGSTON CLAY	6d
SuB	STOCKBRIDGE & NELLIS STONY LOAM	1
SuD	STOCKBRIDGE & NELLIS STONY LOAM	8
SxC	STOCKBRIDGE & NELLIS EXTREMELY STONY LOAM	11
VeB	VERGENNES CLAY	6
VeC	VERGENNES CLAY	7

NOTE: SOIL MAPPING UNITS AND DESCRIPTIONS ARE BASED UPON THE NRCS WEB SOIL SURVEY MAPS. THE AGRICULTURAL VALUE GROUPS ARE BASED UPON THE NRCS FARMLAND CLASSIFICATION SYSTEMS FOR VERMONT SOILS, DATED JUNE 2006.



SCALE: 1"=250'

SOIL SURVEY MAP

SITE LOCATION MAP

N.T.S.

THE CONTRACTOR SHALL NOTIFY "DIGSAFE" AT 1-888-DIG-SAFE PRIOR TO ANY EXCAVATION.

DRIVEWAY CONSTRUCTION SPECIFICATIONS

THE FOLLOWING DRIVEWAY CONSTRUCTION SPECIFICATIONS ARE MINIMUM STANDARDS. ADDITIONAL MEASURES MAY BE NECESSARY BASED UPON ACTUAL SITE CONDITIONS ENCOUNTERED.

1. DRIVEWAYS SHALL BE A MINIMUM OF 14 FEET WIDE, EXCEPT THAT DRIVEWAYS SHALL BE A MINIMUM OF 18 FEET WIDE WITHIN 30 FEET OF SPEAR STREET EXTENSION.

2. WHERE THE DRIVEWAYS INTERSECT WITH SPEAR STREET EXTENSION, A NEW 18" DIAMETER CULVERT SHALL BE INSTALLED WITH CONSTRUCTION OF THE NEW DRIVEWAY. THE EXISTING DITCH ALONG SPEAR STREET EXTENSION SHALL BE REGRADED AS REQUIRED TO MAINTAIN POSITIVE DRAINAGE AND AND A MINIMUM 1% SLOPE THROUGH CULVERT.

3. DRIVEWAYS SHALL BE CONSTRUCTED WITH MIRAFI 500X GEOTEXTILE PLACED OVER A SUITABLE SUBGRADE AND A MINIMUM OF 18" THICK BANK RUN (VTRANS SPEC. #704.04) SUBBASE AND 4" THICK FINE CRUSHED GRAVEL SURFACE COURSE (VTRANS SPEC. #704.05A-FINE).

4. THE DRIVEWAY SERVING LOT 1 (BEYOND THE DRIVEWAY TURN-OFF TO LOT 3) SHALL
- HAVE A TURN AROUND AT THE HOUSE SITE LARGE ENOUGH TO ACCOMMODATE 3 EMERGENCY VEHICLES AT ONE TIME APPROXIMATELY 1600 SF).
- HAVE VEHICLE TURN OUTS A MINIMUM OF 12 FEET WIDE (FOR A TOTAL DRIVEWAY WIDTH OF 26 FEET) BY 35 FEET LONG AS SHOWN ON THIS PLAN, OR AT AN ALTERNATE LOCATION WITH SPACING NOT TO EXCEED 800 FEET.

UTILITY CONSTRUCTION NOTE

UTILITY EXTENSIONS TO SERVE THE PROPOSED LOTS WILL BE LOCATED UNDERGROUND WITHIN THE LIMITS OF THE PROJECT BOUNDARY.

LEGEND

- PROJECT BOUNDARY
- PROPOSED PROPERTY LINE
- SIDELINE OF PROPOSED EASEMENT OR RIGHT OF WAY
- SIDELINE OF BUILDING SETBACK
- FM — PROPOSED EFFLUENT FORCEMAIN
- W — PROPOSED WATER SERVICE
- PROPOSED DRILLED WELL
- EXISTING TREELINE
- PROPOSED TREELINE
- 270 — EXISTING SURFACE CONTOUR
- WETLAND

SITE PLAN NOTES:

1. THE PURPOSE OF THIS PLAN IS TO PRESENT THE OVERALL SITE LAYOUT. SEE OTHER SHEETS FOR UTILITIES INFORMATION AND PROPERTY INFORMATION.

2. EXISTING CONTOURS SHOWN ON THIS PLAN ARE BASED UPON A FIELD SURVEY BY THIS OFFICE IN DECEMBER 2009.

3. WETLANDS SHOWN ON THIS PLAN WERE DELINEATED AND MAPPED BY THIS OFFICE. THE WETLAND CLASSIFICATIONS ARE THE RESULT OF A FIELD REVIEW BY THE VERMONT WETLANDS OFFICE. CLASS 2 WETLANDS ARE AS NOTED, WITH ALL OTHER WETLANDS SHOWN BEING CLASS 3 WETLANDS.

EROSION PREVENTION AND SEDIMENT CONTROL REQUIREMENTS

PRIOR TO CONSTRUCTION, THE HOMEOWNER AND SITE CONTRACTOR SHALL OBTAIN COVERAGE UNDER GENERAL PERMIT 3-9020 WHICH REGULATES STORMWATER RUNOFF FROM CONSTRUCTION SITES. THIS PROJECT CAN QUALIFY AS HAVING A LOW RISK FOR IMPACTS TO WATER QUALITY, BASED UPON THE FOLLOWING:
- A TOTAL AREA OF SOIL DISTURBANCE LESS THAN 2 ACRES AT ANY ONE TIME
- ALL RUNOFF FROM DISTURBED AREAS PASSING THROUGH A 50 FEET WIDE VEGETATED BUFFER PRIOR TO REACHING THE RECEIVING STREAM, DITCH, OR DRAINAGEWAY.
- A MAXIMUM OF 7 CONSECUTIVE DAYS BEFORE DISTURBED EARTH IS TEMPORARILY OR PERMANENTLY STABILIZED.

THESE CRITERIA FORM THE BASIS FOR THE LOW RISK DETERMINATION. ANY CHANGES TO THESE CRITERIA REQUIRE THAT THE RISK ANALYSIS BE RE-EVALUATED TO DETERMINE IF THE POTENTIAL RISK TO WATER QUALITY, AND THE RELATED PERMITTING REQUIREMENTS, HAVE CHANGED.

THE CONTRACTOR SHALL REFER TO THE LOW RISK SITE HANDBOOK FOR EROSION PREVENTION AND SEDIMENT CONTROL MEASURES TO BE IMPLEMENTED ON THE SITE. AT A MINIMUM, THESE SHALL INCLUDE:
- MARKING THE LIMITS OF DISTURBANCE TO PRESERVE EXISTING VEGETATION OUTSIDE THE LIMITS OF CONSTRUCTION
- LIMITING THE DISTURBED AREA TO THAT WHICH IS ACTIVELY BEING WORKED
- INSTALLATION OF A STABILIZED CONSTRUCTION EXIT
- INSTALLATION OF SILT FENCE ALONG THE DOWNSLOPE PERIMETER OF THE DISTURBED AREA AND AROUND ALL SOIL STOCKPILES
- PLACEMENT OF EROSION MATTING ON ALL SLOPES 3H:1V OR STEEPER, AND MULCHING ALL OTHER DISTURBED AREAS

GRAPHIC SCALE

100 0 50 100 200 400

(IN FEET)
1 inch = 100 ft.

PROJECT DATA:

TAX MAP PARCEL NUMBER - MAP#6-01, PARCEL 27-2

PROJECT PARCEL AREA - 41.0 ACRES

ZONING DISTRICT - RURAL (RUR) ZONING DISTRICT

MINIMUM LOT AREA = 5.0 ACRES

MINIMUM DENSITY = 5 ACRES / DWELLING UNIT

MINIMUM LOT FRONTAGE = 300 FEET OR 50' WIDE RIGHT OF WAY

DIMENSIONAL STANDARDS
SETBACKS:
FRONT = 50 FEET
SIDE = 50 FEET
REAR = 50 FEET

MAXIMUM BUILDING HEIGHT = 35 FEET

MAXIMUM BUILDING COVERAGE = 20%

MAXIMUM LOT COVERAGE = 30%

LANDOWNER & APPLICANT:

THE ELIZABETH SNYDER REVOCABLE TRUST
25 HOLBROOK ROAD
SOUTH BURLINGTON, VT 05403

DATE	REVISIONS	BY
THESE PLANS WITH LATEST REVISIONS SHOULD ONLY BE USED FOR THE PURPOSE SHOWN BELOW:		# OF SHEETS
☐ SKETCH/CONCEPT		
☐ PRELIMINARY		
■ FINAL		3
☐ RECORD DRAWING		

SNYDER SUBDIVISION

Spear Street Extension Charlotte, VT

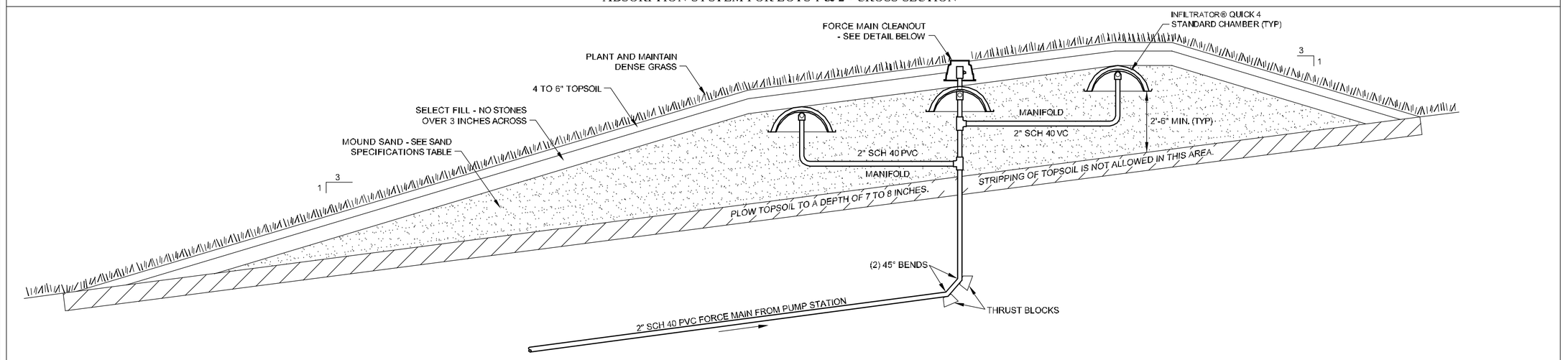
SITE PLAN

Lamoureux & Dickinson
Consulting Engineers, Inc.
14 Morse Drive, Essex, VT 05452
802-878-4450 www.LDengineering.com

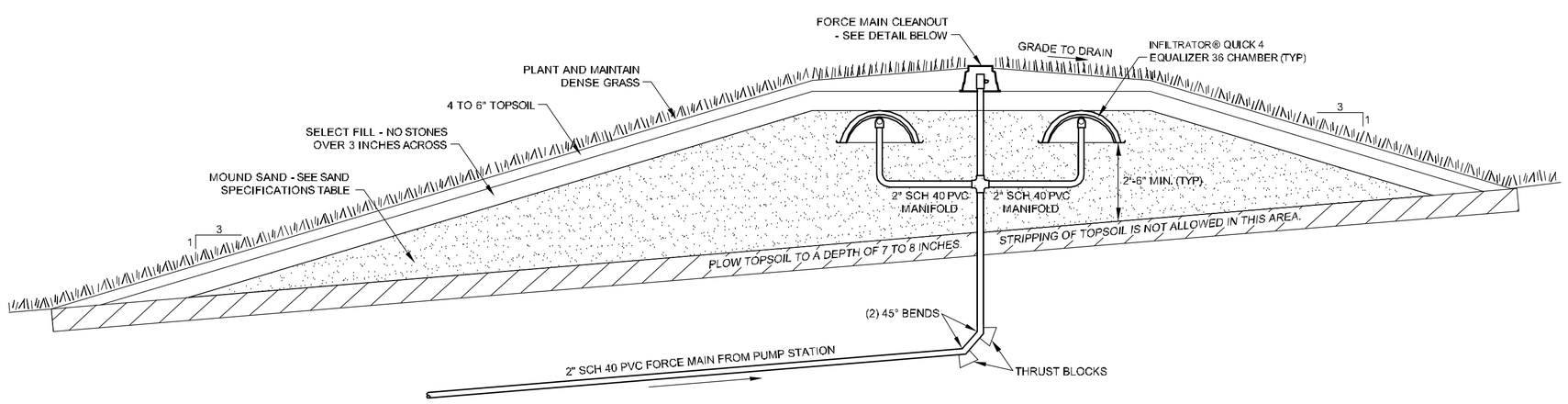
Proj. no.	09095
Survey	AP
Design	CS
Drawn	ABR
Checked	DJG
Date	02-19-10
Scale	AS NOTED
Sht. no.	S1

1 WASTEWATER ABSORPTION SYSTEM
S2 NOT TO SCALE

ABSORPTION SYSTEM FOR LOTS 1 & 2 - CROSS-SECTION
NOT TO SCALE



TYPICAL ABSORPTION SYSTEM FOR LOT 3 - CROSS-SECTION
NOT TO SCALE



SAND SPECIFICATIONS

MOUND SAND SHALL HAVE ONE OF THE FOLLOWING SIEVE ANALYSES:

1.

SIEVE NO.	% PASSING
10	85-100
40	25-75
80	0-30
100	0-10
200	0-5

2.

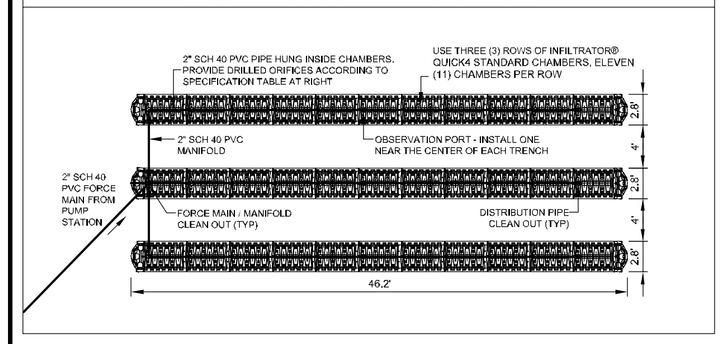
SIEVE NO.	% PASSING
4	95-100
8	80-100
16	50-85
30	25-60
50	10-30
100	2-10

(ASTM SPECIFICATION C-33)

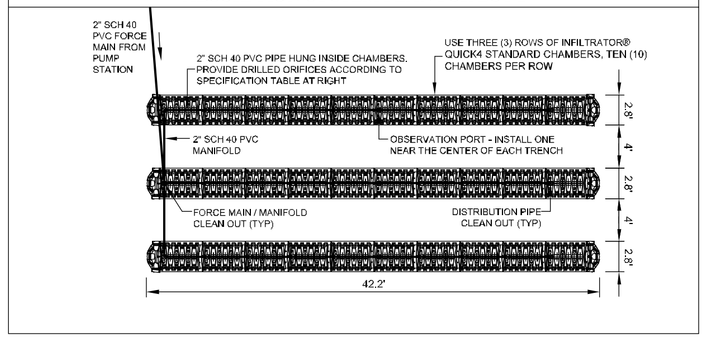
3.

SIEVE NO.	% PASSING
10	85-100
40	30-50
200	0-10

ABSORPTION SYSTEM PLAN FOR LOT 1
SCALE: 1" = 10'



ABSORPTION SYSTEM PLAN FOR LOT 2
SCALE: 1" = 10'



CHAMBER AND PIPE SPECIFICATIONS

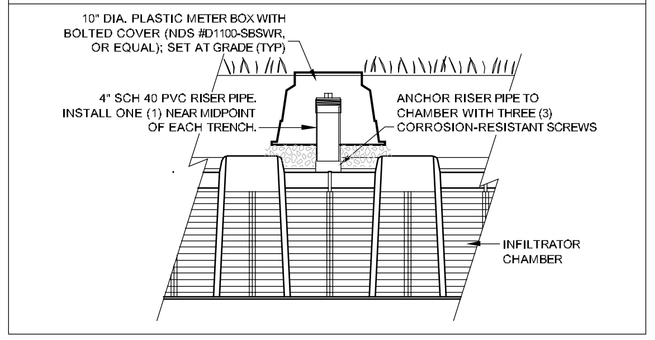
1. CHAMBERS

	LOT 1	LOT 2	LOT 3
NO. OF CHAMBERS PER ROW =	11	10	23
NO. OF ROWS =	3	3	2
TOTAL NO. OF CHAMBERS =	33	30	46
LENGTH OF EACH ROW (W / ENDCAPS) =	46'-1"	42'-1"	94'-2"

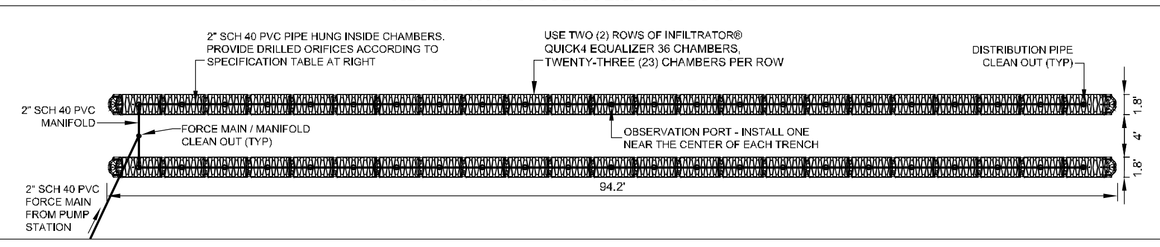
2. PIPES

	LOT 1	LOT 2	LOT 3
PIPE LENGTH =	40'-0"	38'-0"	88'-0"
NO. OF PIPES =	3	3	2
NO. OF ORIFICES IN EACH PIPE =	8	7	15
ORIFICE SPACING =	6'-1"	6'-0"	6'-3"

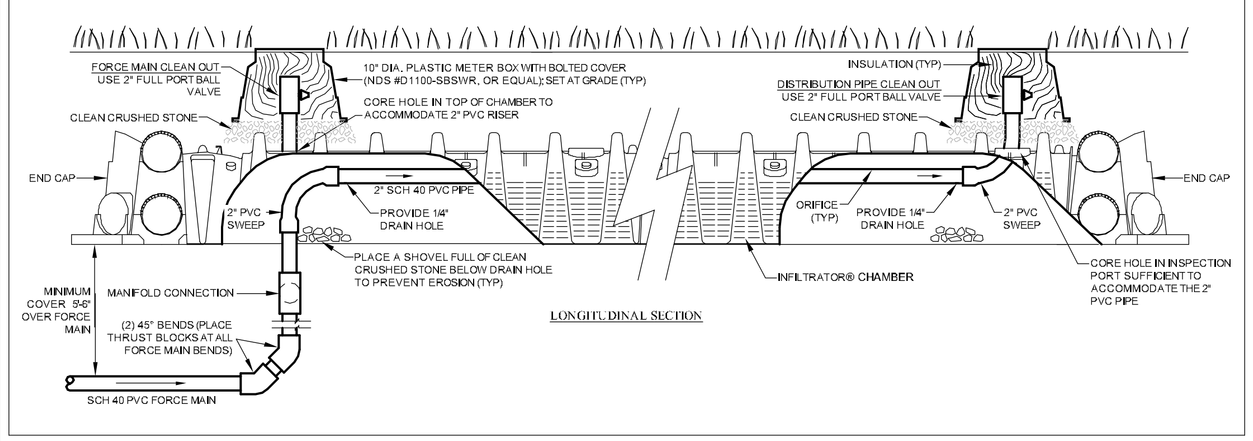
TRENCH OBSERVATION PORT
NOT TO SCALE



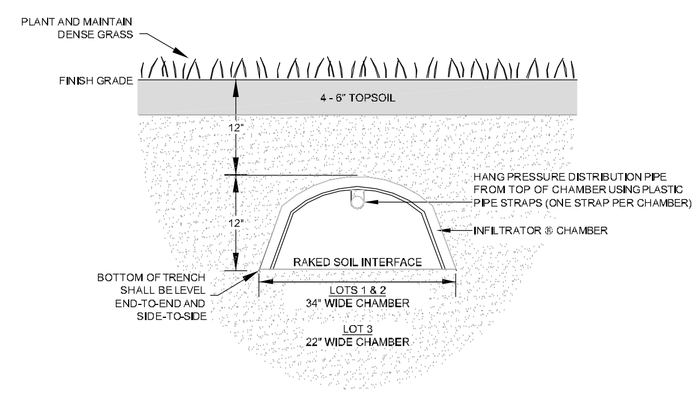
ABSORPTION SYSTEM PLAN FOR LOT 3
SCALE: 1" = 10'



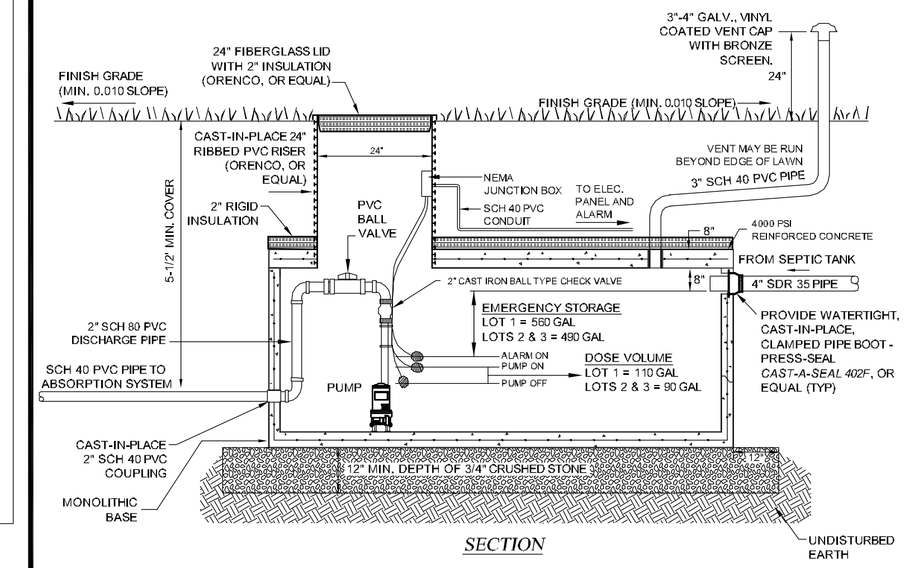
TYPICAL CHAMBER WITH DISTRIBUTION PIPE AND CLEAN OUTS
NOT TO SCALE



TYPICAL CHAMBER WITH DISTRIBUTION PIPE AND CLEAN OUTS
NOT TO SCALE



2 PUMP STATION
S2 NOT TO SCALE



SECTION

PUMP STATION SPECIFICATIONS

1. THE PUMP STATION TANK SHALL HAVE SUFFICIENT CAPACITY TO ACCOMMODATE THE REQUIRED PUMP, THE SPECIFIED DOSE VOLUME, AND THE NECESSARY EMERGENCY STORAGE VOLUME.
2. LAMOUREUX & DICKINSON RECOMMENDS THE USE OF A WATERTIGHT, STEEL-REINFORCED, 5,000 PSI, PRE-CAST CONCRETE TANK. DO NOT EXCEED THE MANUFACTURER'S RECOMMENDED DEPTH OF COVER. IF VEHICLE LOADS ARE ANTICIPATED OVER THE PUMP STATION, IT SHALL BE RATED FOR H-20 LOADING.
3. THE PUMP STATION SHALL BE CONSTRUCTED TO MINIMIZE THE RISK OF FREEZING OF EFFLUENT IN THE PIPES OR STRUCTURE. THIS INCLUDES, BUT IS NOT LIMITED TO PROVIDING INSULATION IN THE ACCESS LID AND OVER THE TANK.
4. BACKFILL SIDES AND TOP OF TANK WITH SAND OR GRAVEL. ALL BACKFILL MATERIAL AROUND THE TANK SHALL BE THOROUGHLY COMPACTED TO NOT LESS THAN 95% OF MAXIMUM DRY DENSITY AS DETERMINED BY THE AASHTO-T-99 STANDARD PROCTOR.
5. ALL ELECTRICAL WORK SHALL MEET THE REQUIREMENTS OF THE NATIONAL ELECTRIC CODE AND MATERIALS SHALL MEET U.L. APPROVAL.
6. PUMP SPECIFICATIONS

	LOT 1	LOT 2	LOT 3
LENGTH OF FORCE MAIN =	420 FT	300 FT	90 FT
FORCE MAIN DIAMETER =	2 IN	2 IN	2 IN
ABSORPTION SYSTEM ELEV =	445.5 FT	448.0 FT	456.0 FT
PUMP ELEV. (ASSUMED) =	390.0 FT	448.0 FT	448.0 FT
PRESSURE NETWORK:			
DISCHARGE RATE =	28.8 GPM	23.5 GPM	33.5 GPM
HEAD LOSSES:			
STATIC LIFT =	55.5 FT	0 FT	8.0 FT
FORCE MAIN FRICTION =	6.3 FT	3.6 FT	2.1 FT
VALVES AND FITTINGS =	5.0 FT	5.0 FT	5.0 FT
NETWORK LOSSES =	0.7 FT	0.7 FT	0.7 FT
INLINE PRESSURE =	2.3 FT	2.3 FT	2.3 FT
TOTAL HEAD LOSS =	69.8 FT	11.6 FT	18.1 FT

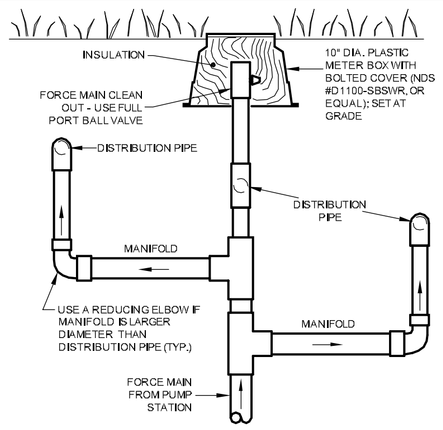
USE ONE (1) EFFLUENT PUMP, SINGLE PHASE, 230 VOLTS, MINIMUM CAPACITY SHOWN BELOW:

LOT 1: 27 GPM @ 70 FT TDH - USE HYDROMATIC SHEF100, OR EQUAL
LOT 2: 24 GPM @ 12 FT TDH - USE HYDROMATIC SHEF 30, OR EQUAL
LOT 3: 34 GPM @ 19 FT TDH - USE HYDROMATIC SHEF 40, OR EQUAL

IF THE "PUMP OFF" ELEVATION IS LESS THAN THE PUMP ELEVATION SHOWN IN THE TABLE, THE CONTRACTOR SHALL NOTIFY THE ENGINEER TO VERIFY ADEQUACY OF THE SPECIFIED PUMP.

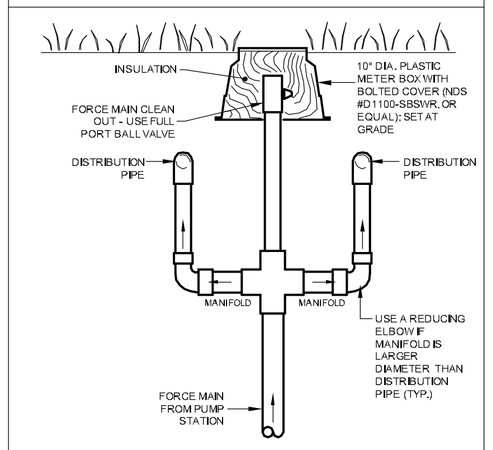
7. EMERGENCY STORAGE - FOR LOT 1, PROVIDE 550 GALLONS OF STORAGE ABOVE THE ALARM LEVEL IN THE PUMP STATION; FOR LOTS 2 AND 3, PROVIDE 490 GALLONS OF STORAGE.
8. TESTING: THE CONTRACTOR AND THE ENGINEER SHALL BE PRESENT DURING START-UP. THE CONTRACTOR SHALL PROVIDE A WATER SOURCE TO PERFORM A FULL OPERATIONAL CHECK OF THE PUMP STATION, INCLUDING ALL FLOAT FUNCTIONS, ALARMS, AND INDICATOR LIGHTS. THE PUMP SHALL BE FIELD-TESTED TO INSURE THE PUMPING CAPACITY MEETS THE PROJECT REQUIREMENTS.

ABSORPTION SYSTEM PIPING - LOTS 1 & 2



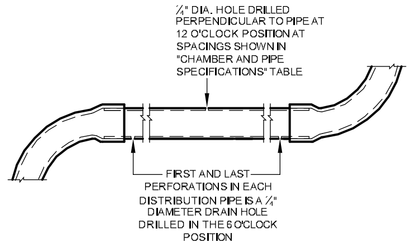
END VIEW

ABSORPTION SYSTEM PIPING - LOT 3



END VIEW

DISTRIBUTION PIPE ORIFICES



NOTE: HOLES TO BE DRILLED IN PIPES BEFORE INSTALLATION. REMOVE BURRS AND CLEAN ALL PLASTIC SHAVINGS FROM INSIDE OF PIPES.

ABSORPTION SYSTEM SPECIFICATIONS

1. CONSTRUCTION EQUIPMENT SHALL BE KEPT OFF THE AREA TO BE USED FOR EFFLUENT ABSORPTION AS MUCH AS POSSIBLE TO PREVENT UNDESIRABLE COMPACTION OF THE SOILS.
2. THROUGHOUT THE WASTEWATER ABSORPTION SYSTEM AREA, THE ABOVE-GROUND VEGETATION SHALL BE CUT FLUSH WITH THE GROUND SURFACE AND REMOVED.
3. THE AREA TO RECEIVE MOUND SAND SHALL BE SCARIFIED TO A DEPTH OF SEVEN (7) TO EIGHT (8) INCHES USING A PLOW OR THE TEETH OF A BACKHOE BUCKET TO PROVIDE A LOOSE, ROUGHT INTERFACE BETWEEN THE NATIVE SOIL AND MOUND SAND.
4. THE MOUND SAND SHALL HAVE A PARTICLE SIZE GRADATION AS SHOWN IN THE DETAIL. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL FURNISH A CURRENT SIEVE ANALYSIS REPORT ON THE SAND TO BE USED, SUBJECT TO APPROVAL BY THE ENGINEER.
5. PLACE MOUND SAND TO THE SPECIFIED DEPTH TO PRODUCE A LEVEL SURFACE FOR THE CHAMBERS. THE SAND BASE FOR THE CHAMBERS SHALL BE ABSOLUTELY LEVEL END-TO-END AND SIDE-TO-SIDE.
6. THE PRESSURE DISTRIBUTION PIPE SHALL BE RIGID PLASTIC PIPE, SCHEDULE 40, WITH DIAMETER AS INDICATED. THE PIPE SHALL HAVE A SINGLE ROW OF HOLES DIRECTED UPWARD, WITH THE EXCEPTION OF THE FIRST AND LAST HOLE IN THE DISTRIBUTION PIPE WHICH WILL BE DIRECTED DOWNWARD TO PROVIDE DRAINAGE. THE SIZE AND SPACING OF THE HOLES SHALL BE AS INDICATED IN THE DETAIL. ALL JOINTS AND CONNECTIONS SHALL BE SOLVENT-CEMENTED.
7. A SHOVEL FULL OF CLEAN CRUSHED STONE SHALL BE PLACED ON THE SAND BENEATH EACH OF THE TWO DOWNWARD FACING HOLES IN EACH DISTRIBUTION PIPE TO PREVENT EROSION.
8. ASSEMBLE AND TEST THE PRESSURE DISTRIBUTION PIPES BEFORE PLACING THE CHAMBERS.
9. AFTER PRESSURE TESTING OF THE DISTRIBUTION PIPES, INSTALL THE CHAMBERS ONE-BY-ONE OVER THE PIPES. INSTALL NYLON CABLE TIES THROUGH THE SLOTS PROVIDED IN EACH CHAMBER AND SECURELY SUSPEND THE DISTRIBUTION PIPES INSIDE THE ROW OF CHAMBERS. TO ACCOMMODATE THE CLEANOUT RISERS, THE CHAMBERS WILL NEED TO BE CORED IN THE LOCATIONS SHOWN ON THE PLAN.
10. AFTER COMPLETION AND TESTING OF THE DISTRIBUTION PIPES AND CHAMBERS, THE AREA SHALL BE BROUGHT TO THE GRADE SPECIFIED ON THE PLANS WITH FILL MATERIAL. THE UPPER FOUR (4) INCHES OF WHICH SHALL BE TOPSOIL. THE AREA OVER AND AROUND THE ABSORPTION SYSTEM SHALL BE GRADED SUCH THAT THERE ARE NO AREAS CAPABLE OF PONDING WATER AND SUCH THAT THERE IS SUFFICIENT SLOPE TO ENSURE DRAINAGE.
11. THE CONTRACTOR SHALL PROVIDE THE OWNER AND ENGINEER WITH AS-BUILT INFORMATION AND CERTIFICATION THAT THE SYSTEM WAS INSTALLED IN ACCORDANCE WITH THE PLANS AND ALL PERTINENT APPROVALS AND PERMITS ISSUED FOR THE PROJECT.

GENERAL SPECIFICATIONS

1. UTILITIES INFORMATION SHOWN HEREON WERE OBTAINED FROM THE BEST AVAILABLE SOURCES AND MAY OR MAY NOT BE EITHER ACCURATE OR COMPLETE. THE CONTRACTOR SHALL VERIFY EXACT LOCATION OF EXISTING UTILITIES AND SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ANY UTILITY, PUBLIC OR PRIVATE, SHOWN OR NOT SHOWN HEREON.
2. THE CONTRACTOR SHALL NOTIFY "DIGSAFE" AT 1-888-DIG-SAFE PRIOR TO ANY EXCAVATION.
3. LAMOUREUX & DICKINSON DOES NOT UNDERTAKE OR ASSUME ANY RESPONSIBILITY FOR SAFETY ON THE CONSTRUCTION SITE BUT DOES REMIND THE CONTRACTOR THAT THEY SHOULD WORK IN STRICT COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA) STANDARDS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEMOLITION AND REMOVAL OF ALL EXISTING VEGETATION, PAVEMENT AND STRUCTURES NECESSARY TO DEVELOP THIS PROPERTY UNLESS OTHERWISE NOTED ON THESE PLANS. CONTRACTOR SHALL REMOVE ALL TRASH FROM SITE UPON COMPLETION OF CONSTRUCTION.
5. THE CONTRACTOR SHALL BE RESPONSIBLE AT HIS OWN EXPENSE FOR ENSURING THAT THE DUST CREATED AS A RESULT OF CONSTRUCTION DOES NOT CREATE A NUISANCE OR A SAFETY HAZARD. WHERE AND WHEN DEEMED NECESSARY BY THE ENGINEER, THE CONTRACTOR WILL BE REQUIRED TO WET SECTIONS OF THE CONSTRUCTION AREA WITH WATER, APPLY CALCIUM CHLORIDE, OR SWEEP THE ROADWAY WITH A POWER BROOM AS DUST CONTROL.
6. ALL DISTURBED AREAS SHALL RECEIVE A MINIMUM OF 4 INCHES OF TOPSOIL AND SHALL BE IMMEDIATELY SEEDED AND MULCHED/MATTED AFTER COMPLETION OF GRADING. ANY WORK PERFORMED AFTER OCTOBER 1 OF EACH YEAR SHALL BE STABILIZED WITH MULCH OR MATTING SUFFICIENT TO PREVENT EROSION AND SHALL BE IMMEDIATELY SEEDED AND REMULCHED OR REMATTED AS SOON AS WEATHER PERMITS IN THE SPRING.
7. ALL SLOPES, DITCHES, AND DISTURBED AREAS SHALL BE GRADED SMOOTH AND BE FREE OF POCKETS WITH SUFFICIENT SLOPE TO ENSURE DRAINAGE.
8. ALL FILL OR BACKFILL SHALL BE PLACED IN 6 INCH LIFTS AND THOROUGHLY COMPACTED TO 95% OF MAXIMUM DENSITY OF OPTIMUM MOISTURE CONTENT AS DETERMINED BY ASTM D698 STANDARD PROCTOR.

INSPECTION

1. IT IS RECOMMENDED THAT THIS DESIGN BE INSPECTED BY LAMOUREUX & DICKINSON CONSULTING ENGINEERS, INC., ESSEX JUNCTION, VERMONT TO ENSURE COMPLIANCE WITH THESE PLANS. LAMOUREUX & DICKINSON WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY FOR PROBLEMS THAT ARISE FROM FAILURE TO FOLLOW THESE PLANS, SPECIFICATIONS, AND THE DESIGN INTENT THAT THE PLANS CONVEY, AND FROM FAILURE TO HAVE BEEN NOTIFIED BY THE CONTRACTOR TO INSPECT THE WORKS AND TESTS IN PROGRESS.
2. THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR NOTIFYING THE ENGINEER AND THE TOWN FOR INSPECTION OF THE WASTEWATER SYSTEM AT APPROPRIATE STAGES OF CONSTRUCTION. THE REQUIREMENTS FOR CONTACTING THE ENGINEER ARE LISTED BELOW. THE CONTRACTOR SHALL ALSO DETERMINE THE TOWN'S REQUIREMENTS FOR INSPECTION.
3. THE CONTRACTOR SHALL NOTIFY THE ENGINEER A MINIMUM OF 24 HOURS IN ADVANCE FOR INSPECTION OF EACH OF THE FOLLOWING ITEMS:
   - THE PLOWED SOIL SURFACE BEFORE PLACING MOUND SAND
   - THE MOUND SYSTEM BEFORE COVERING SAND AND CHAMBERS
   - THE FORCE MAIN PRESSURE TEST
   - A FULL OPERATIONAL TEST OF PUMP STATION FUNCTIONS
   - FINAL GRADING OVER THE WASTEWATER SYSTEM COMPONENTS

MAINTENANCE

1. ONCE PER YEAR, THE SEPTIC TANK SHALL BE INSPECTED BY A QUALIFIED PERSON FOR THE ACCUMULATION OF SLUDGE AND SCUM. THE TANK SHALL BE PUMPED IF THE DEPTH OF SLUDGE IS GREATER THAN 6 INCHES OR THE DEPTH OF SCUM IS GREATER THAN 3 INCHES.
2. ONCE PER YEAR, THE PUMP STATION SHALL BE INSPECTED BY A QUALIFIED PERSON. IT SHALL BE VERIFIED THAT IT IS FUNCTIONING PROPERLY AND ANY NECESSARY REPAIRS OR CLEANING SHALL BE UNDERTAKEN.
3. ONCE EVERY 6 MONTHS, OR MORE OFTEN AS NEEDED, THE EFFLUENT FILTER SHALL BE CLEANED BY HOSING IT OFF INTO THE SEPTIC TANK.
4. ONCE PER YEAR, THE ABSORPTION SYSTEM SHALL BE INSPECTED BY A QUALIFIED PERSON. THE PROPER FUNCTIONING OF THE SYSTEM SHALL BE VERIFIED AND ANY NECESSARY REPAIRS, OR OTHER MAINTENANCE, SHALL BE DONE.
5. DO NOT FLUSH OR DISCHARGE TO THE SEWAGE DISPOSAL SYSTEM ANY MATERIALS THAT ARE NON-BIODEGRADABLE OR SLOW TO DECOMPOSE, SUBSTANCES THAT CAN SLOW OR HALT BIOLOGICAL ACTIVITY, OR MATERIALS THAT CAN OVERLOAD THE TREATMENT CAPACITY OF THE SYSTEM. THIS INCLUDES, FOR EXAMPLE: FOOD WASTE, HIGH-STRENGTH PAPER TOWELS, FEMININE NAPKINS AND TAMPONS, CONDOMS, FATS AND OILS, PESTICIDES, DISINFECTANTS, STRONG ACIDS AND BASES, PAINTS, SOLVENTS, SOIL, AND SALTS. DO NOT USE GARBAGE DISPOSALS.
6. EXCESS WATER USAGE WILL SIGNIFICANTLY REDUCE THE LIFE OF ANY SEWAGE DISPOSAL SYSTEM. WATER FIXTURES SHALL BE REGULARLY INSPECTED FOR LEAKS AND PROMPTLY REPAIRED IF NECESSARY. INSTALL AND MAINTAIN WATER-CONSERVING FIXTURES (TOILETS WITH MAX. 1.6 GALLON FLUSH AND SHOWERHEAD AND FAUCET AERATORS WITH MAX. 2 GALLON PER MINUTE FLOW).
7. THIS WASTEWATER SYSTEM DESIGN INCLUDES ONE OR MORE STRUCTURES THAT MEET THE DEFINITION OF A "CONFINED SPACE", UNDER NO CIRCUMSTANCES SHALL A CONFINED SPACE BE ENTERED EXCEPT IN STRICT CONFORMANCE WITH OSHA REQUIREMENTS.

STATE OF VERMONT — DOUGLAS J. GOULETTE — No. 5611 — REGISTERED PROFESSIONAL ENGINEER

STATE OF VERMONT — BRIAN L. TREMBLAY — No. 329 — REGISTERED SANITARY DESIGNER

DATE	REVISIONS	BY
THESE PLANS WITH LATEST REVISIONS SHOULD ONLY BE USED FOR THE PURPOSE SHOWN BELOW:		# OF SHEETS
☐ SKETCH/CONCEPT		
☐ PRELIMINARY		
■ FINAL		3
☐ RECORD DRAWING		

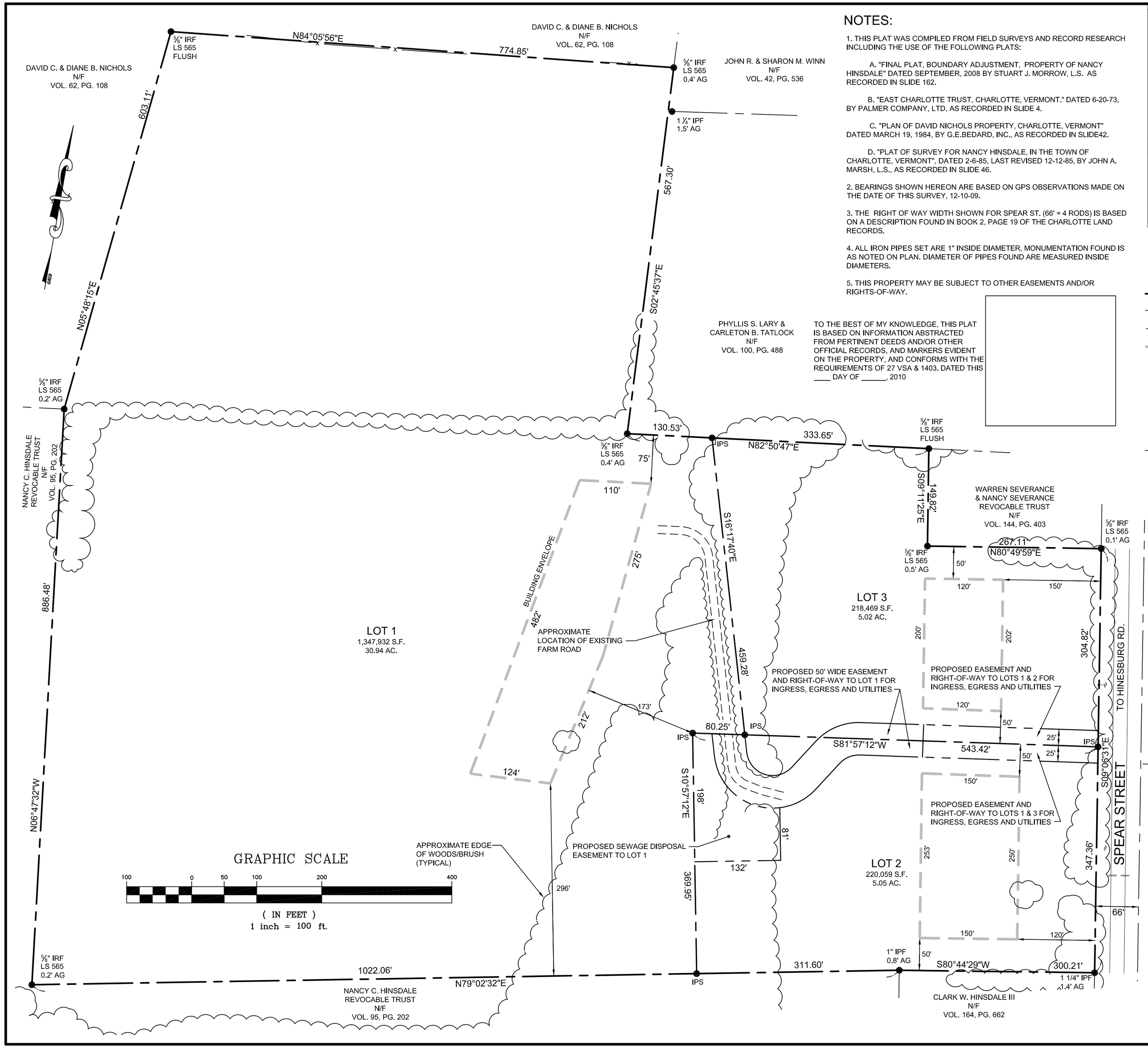
SNYDER SUBDIVISION

Spear Street Extension Charlotte, VT

Wastewater System Details and Specifications

Lamoureux & Dickinson
Consulting Engineers, Inc.
14 Morse Drive, Essex, VT 05452
802-878-4450 www.LDengineering.com

Proj. no.	09095
Survey	AP
Design	CS
Drawn	ABR
Checked	DJG
Date	02-19-10
Scale	AS NOTED
Sht. no.	D1



NOTES:

1. THIS PLAT WAS COMPILED FROM FIELD SURVEYS AND RECORD RESEARCH INCLUDING THE USE OF THE FOLLOWING PLATS:

A. "FINAL PLAT, BOUNDARY ADJUSTMENT, PROPERTY OF NANCY HINSDALE" DATED SEPTEMBER, 2008 BY STUART J. MORROW, L.S. AS RECORDED IN SLIDE 162.

B. "EAST CHARLOTTE TRUST, CHARLOTTE, VERMONT." DATED 6-20-73, BY PALMER COMPANY, LTD. AS RECORDED IN SLIDE 4.

C. "PLAN OF DAVID NICHOLS PROPERTY, CHARLOTTE, VERMONT" DATED MARCH 19, 1984, BY G.E.BEDARD, INC., AS RECORDED IN SLIDE42.

D. "PLAT OF SURVEY FOR NANCY HINSDALE, IN THE TOWN OF CHARLOTTE, VERMONT", DATED 2-6-85, LAST REVISED 12-12-85, BY JOHN A. MARSH, L.S., AS RECORDED IN SLIDE 46.

2. BEARINGS SHOWN HEREON ARE BASED ON GPS OBSERVATIONS MADE ON THE DATE OF THIS SURVEY, 12-10-09.

3. THE RIGHT OF WAY WIDTH SHOWN FOR SPEAR ST. (66' = 4 RODS) IS BASED ON A DESCRIPTION FOUND IN BOOK 2, PAGE 19 OF THE CHARLOTTE LAND RECORDS.

4. ALL IRON PIPES SET ARE 1" INSIDE DIAMETER, MONUMENTATION FOUND IS AS NOTED ON PLAN. DIAMETER OF PIPES FOUND ARE MEASURED INSIDE DIAMETERS.

5. THIS PROPERTY MAY BE SUBJECT TO OTHER EASEMENTS AND/OR RIGHTS-OF-WAY.

TO THE BEST OF MY KNOWLEDGE, THIS PLAT IS BASED ON INFORMATION ABSTRACTED FROM PERTINENT DEEDS AND/OR OTHER OFFICIAL RECORDS, AND MARKERS EVIDENT ON THE PROPERTY, AND CONFORMS WITH THE REQUIREMENTS OF 27 VSA & 1403. DATED THIS ____ DAY OF _____, 2010

SITE LOCATION MAP
N.T.S.

LEGEND:

	PROJECT PROPERTY LINE
	SIDELINE OF EASEMENT
	ABUTTING PROPERTY LINE
	BUILDING SETBACK
IRF	IRON ROD FOUND
IPF	IRON PIPE FOUND
IPS	IRON PIPE SET
AG	ABOVE GROUND
N/F	NOW OR FORMERLY
x	REMNANTS OF BARBED WIRE FENCE

APPROVED BY RESOLUTION OF THE PLANNING COMMISSION OF THE TOWN OF CHARLOTTE, VERMONT, ON THE____DAY OF_____,2010 SUBJECT TO THE REQUIREMENTS AND CONDITIONS OF SAID RESOLUTION.

SIGNED THIS____DAY OF_____2010

BY _____(CLERK OR CHAIRMAN)

DAVID FASSLER &
KATHY GUTTING
N/F
VOL. 169, PG. 384

TOWN CLERK'S OFFICE

TOWN OF CHARLOTTE, VT. _____ , 2010
RECEIVED FOR RECORD AT_____ O'CLOCK
__ M., AND RECORDED IN SLIDE# _____

ATTEST: _____ TOWN CLERK

DAVID W. &
JENNIFER O. ADSIT
N/F
VOL. 42, PG. 395

OWNER/APPLICANT

THE ELIZABETH SNYDER
REVOCABLE TRUST
25 HOLBROOK ROAD
SOUTH BURLINGTON, VT 05403
VOL. 183, PG. 353

date	description	by
	REVISIONS	

THESE PLANS WITH LATEST REVISIONS SHOULD ONLY BE USED FOR THE PURPOSE SHOWN BELOW:

- ☐ SKETCH/CONCEPT
- ☐ PRELIMINARY
- ■ FINAL LOCAL REVIEW
- ☐ ACT 250 REVIEW
- ☐ CONSTRUCTION
- ☐ RECORD DRAWING

LANDS OF THE

ELIZABETH C. SNYDER
REVOCABLE TRUST

SPEAR STREET CHARLOTTE, VERMONT

THREE LOT
SUBDIVISION PLAT

PROJECT NO.	09095
SURVEY	ADP
DESIGN	---
DRAWN	DLH
CHECKED	ABR/DJG
DATE	2-10-10
SCALE	1" = 100'
SHT. NO.	PL

LAMOUREUX & DICKINSON
Consulting Engineers, Inc.
14 Morse Drive
Essex Junction, VT 05452
Tel: 802-878-4450