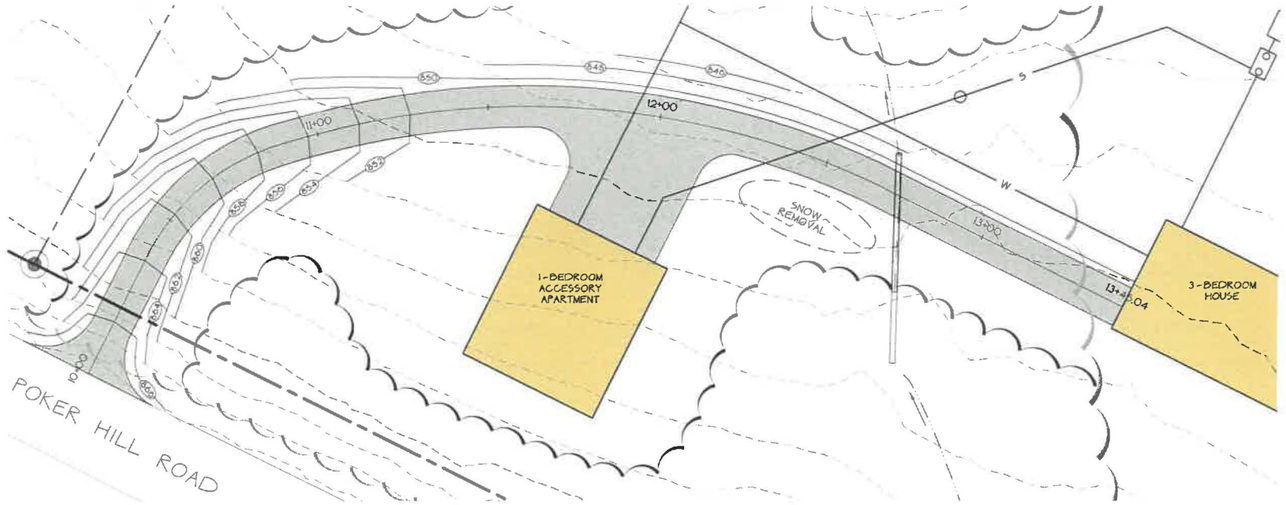
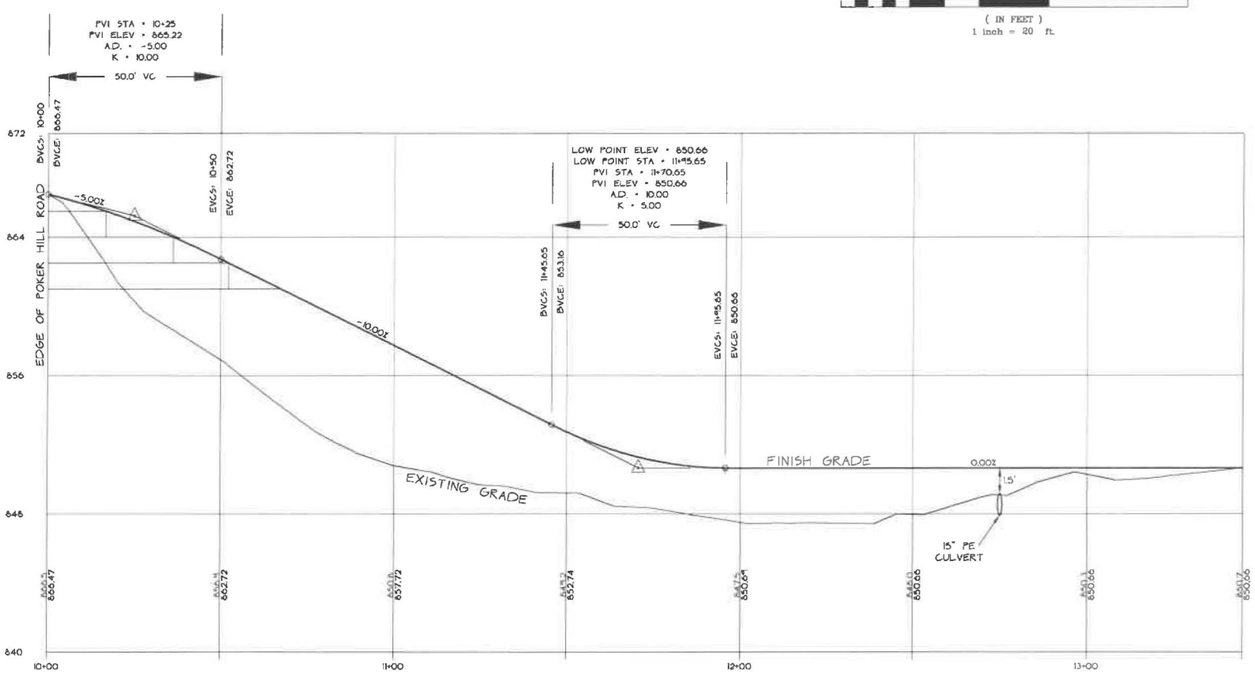


DRIVEWAY PLAN VIEW

SCALE: 1" = 20'

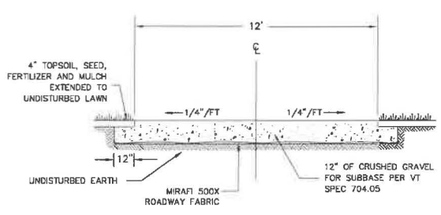
GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.



DRIVEWAY PROFILE

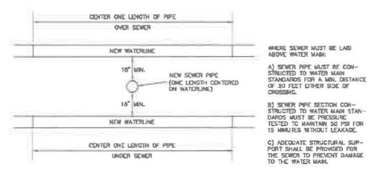
SCALE: 1" = 20' HORIZONTAL
SCALE: 1" = 4' VERTICAL



TYPICAL DRIVEWAY DETAIL

NTS

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



WHERE SEWER MUST BE LAID ABOVE WATER MAIN:

A) SEWER PIPE MUST BE CONSTRUCTED TO WATER MAIN STANDARDS FOR A MIN. DISTANCE OF 20 FEET EITHER SIDE OF CROSSING.

B) SEWER PIPE SECTION CONSTRUCTED TO WATER MAIN STANDARDS MUST BE PRESSURE TESTED TO 150 PSI WITHOUT LEAKAGE FOR 15 MINUTES WITHOUT LEAKAGE.

C) ADEQUATE STRUCTURAL SUPPORT SHALL BE PROVIDED FOR THE SEWER TO PREVENT DAMAGE TO THE WATER MAIN.

SEWER/WATER SEPARATION DETAIL FOR CROSSINGS

NTS

GENERAL CONSTRUCTION SPECIFICATIONS

1) UTILITY INFORMATION SHOWN HEREON WAS OBTAINED FROM BEST AVAILABLE SOURCE AND MAY OR MAY NOT BE EITHER ACCURATE OR COMPLETE. 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. CONTRACTOR SHALL VERIFY NEW TAP LOCATIONS AND SHALL CONNECT ALL UTILITIES TO NEAREST SOURCE THROUGH COORDINATION WITH UTILITY OWNER.

2) THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEMOLITION AND REMOVAL OF ALL EXISTING VEGETATION, PAVEMENT, AND STRUCTURES NECESSARY TO COMPLETE THE WORK UNLESS NOTED ON THESE PLANS. CONTRACTOR SHALL REMOVE ALL TRASH FORM SITE UPON COMPETION OF CONSTRUCTION. ANY SURFACES, LINES OR STRUCTURES WHICH HAVE BEEN DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED TO A CONDITION AT LEAST EQUAL TO THAT IN WHICH THEY WERE FOUND IMMEDIATELY PRIOR TO BEGINNING OF CONSTRUCTION.

3) SEE OTHER DETAIL SHEETS OF THESE PLANS FOR ADDITIONAL DETAILS, REQUIREMENTS AND SPECIFICATIONS.

4) ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST VERMONT AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION, THE TOWN PUBLIC WORKS SPECIFICATIONS, AND THESE PLANS.

5) A MINIMUM OF ONE-WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES. CONTINUOUS TWO-WAY TRAFFIC WILL BE REQUIRED AT NIGHT, PEAK-HOURS, AND WHENEVER POSSIBLE DURING ACTUAL CONSTRUCTION ACTIVITIES. IF DEEMED NECESSARY BY THE OWNER, MUNICIPALITY OR ENGINEER, A UNIFORMED TRAFFIC CONTROL OFFICER SHALL DIRECT TRAFFIC DURING PEAK HOURS. TEMPORARY CONSTRUCTION SIGNS AND TRAFFIC CONTROL SIGNS SHALL BE ERECTED BY THE CONTRACTOR IN ACCORDANCE WITH STATE AND TOWN STANDARDS.

6) 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 SAFETY HAZARD. WHERE AND WHEN DEEMED NECESSARY, 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 FOR DUST CONTROL.

7) THE CONTRACTOR SHALL NOTIFY THE ENGINEER 24 HOURS IN ADVANCE OF STARTING ANY WORK, CUTTING PAVEMENT, BEGINNING THE INSTALLATION OF ANY UTILITIES, BRINGING IN ANY NEW GRAVEL OR STONE FOR THE NEW BASE, PAVING, ALL TESTING, AND FINAL INSPECTION, IN ORDER TO ASSURE COMPLIANCE WITH THE PLANS.

8) PRIOR TO BEGINNING CONSTRUCTION, ALL MATERIALS SHALL BE APPROVED BY THE ENGINEER.

9) ALL FILL 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, AND SHALL BE TESTED AT 500' INTERVALS, UNLESS OTHERWISE SPECIFIED.

10) BACKFILL UNDER PIPES IN FILL AREAS SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY OF OPTIMUM MOISTURE CONTENT. A MINIMUM OF TWO (2) COMPACTION TESTS SHALL BE TAKEN AT THE CONTRACTOR'S EXPENSE, UNDER EACH RUN OF PIPE PRIOR TO INSTALLING THE PIPES. THE PIPES SHALL ONLY BE INSTALLED OVER ADEQUATELY COMPACTED SOILS.

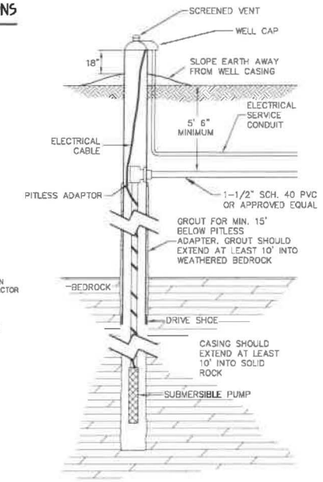
11) THE HAYBALE DAMS, SILT FENCES, AND DITCHES SHALL BE MAINTAINED AND REPAIRED BY THE CONTRACTOR AFTER EVERY RAINFALL OR AS ORDERED BY THE ENGINEER UNTIL ALL DISTURBED AREAS HAVE BEEN PAVED OR GRASSED AND APPROVED BY THE ENGINEER. THE MAINTENANCE OF THE EROSION CONTROL DEVICES WILL INCLUDE THE REMOVAL OF ANY ACCUMULATED SEDIMENTATION.

12) THIS DESIGN MUST BE INSPECTED BY O'LEARY-BURKE CIVIL ASSOCIATES, PLC, ESSEX JUNCTION, VERMONT. TO ENSURE COMPLIANCE WITH THESE PLANS. O'LEARY-BURKE 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.

13) ALL SLOPES, DITCHES AND DISTURBED AREAS SHALL BE GRADED SMOOTH, CLEAN AND FREE OF POCKETS WITH SUFFICIENT SLOPE TO ENSURE DRAINAGE.

URBAN MIX GRASS SEED

% BY WEIGHT	LBS. LIVE SEED PER ACRE	TYPE OF SEED
37.5	45	CREEPING RED FESCUE
31.25	37.5	KENTUCKY BLUEGRASS
31.25	37.5	WINTER HARDY, PERENNIAL RYE
100	120 # LIVE SEED PER ACRE	



INDIVIDUAL DRILLED WELL

NTS

INDIVIDUAL DRILLED WELL DESIGN DATA

1. *THE DRILLED WELL CONSTRUCTION, LOCATION, DISINFECTION AND TESTING SHALL BE IN ACCORDANCE WITH THE STATE OF VERMONT – WATER SUPPLY*

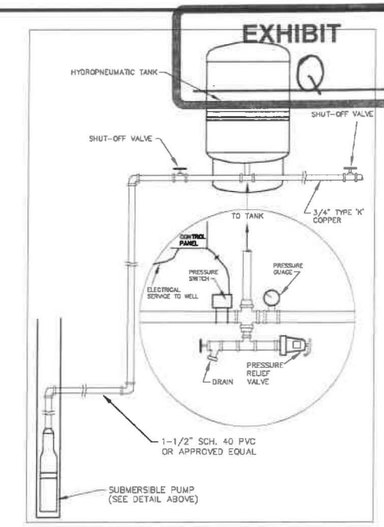
2. *THE BASIS OF DESIGN FOR THE PROPOSED DRILLED WELL (LOT #2) IS*

   A. AVG. DAY DEMAND : 560 GPD (3-BDRM + 1-BDRM ACC. APT.)
   B. MAX. DAY DEMAND : 560 GPD/720 MIN/DAY = 0.78 GPM
   C. INSTANTANEOUS PEAK DEMAND: 5 GPM X 2 UNITS = 10 GPM
   D. SOURCE CAPACITY: TO BE DETERMINED, AREA WELL LOGS SHOW AN ADEQUATE WATER SOURCE IN THE PROJECT AREA.
   E. STORAGE CAPACITY: SIZE TO BE DETERMINED BASED ON WELL YIELD (IF REQUIRED).
   F. PUMP CAPACITY AT EACH UNIT: 5 GPM MINIMUM
   G. OPERATING PRESSURE RANGE; 40 – 60 PSI AT PRESSURE SWITCH

3. *THE BASIS OF DESIGN FOR THE EXISTING DRILLED WELL (LOT #1) IS*

   A. AVG. DAY DEMAND : 420 GPD (3 BEDROOM)
   B. MAX. DAY DEMAND : 420 GPD/720 MIN/DAY = 0.58 GPM
   C. INSTANTANEOUS PEAK DEMAND: 5 GPM X 1 UNIT = 5 GPM
   D. SOURCE CAPACITY: TO BE DETERMINED, AREA WELL LOGS SHOW AN ADEQUATE WATER SOURCE IN THE PROJECT AREA.
   E. STORAGE CAPACITY: SIZE TO BE DETERMINED BASED ON WELL YIELD (IF REQUIRED).
   F. PUMP CAPACITY AT HOUSE: 1 LOT @ 5 GPM = 5 GPM MINIMUM
   G. OPERATING PRESSURE RANGE: 40 – 60 PSI AT PRESSURE SWITCH

EXHIBIT Q

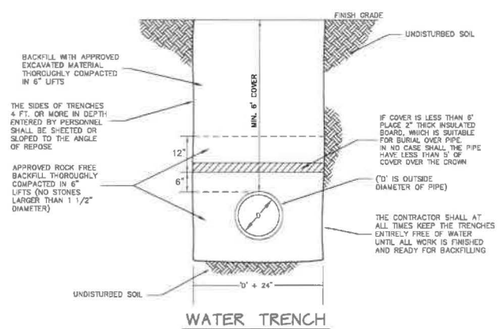


INDIVIDUAL WATER SYSTEM

NTS

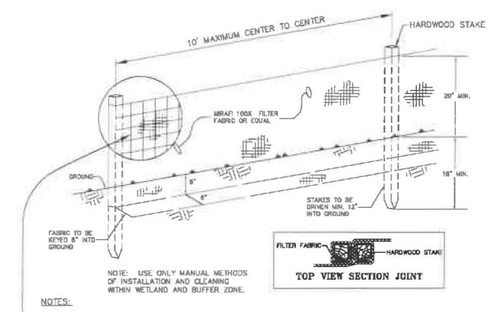
DRILLED WELL ISOLATION DISTANCES

ROADWAY, PARKING	25 FEET
DRIVES, < 3 RESIDENCES	15 FEET
SEWAGE PIPING / TANKS	50 FEET
PROPERTY LINE	10 FEET
SURFACE WATER	10 FEET
BUILDINGS	10 FEET
SEWAGE SYSTEM:	
DOWNSLOPE WELL	200 FEET
UPSLOPE WELL	100 FEET



WATER TRENCH

NTS



NOTE: USE ONLY MANUAL METHODS OF INSTALLATION AND CLEANING WITHIN WETLAND AND BUFFER ZONE.

NOTES:

1. WHERE SILT FENCE IS WITHIN 100' UPSLOPE OF RECEIVING WATERS, ADDITIONAL WOVEN WIRE FENCE SHALL BE SECURELY FASTENED TO FENCE POSTS WITH WIRE TIES.
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE WITH TIES SPACED EVERY 24" AT TOP AND MID-SECTION. FENCE SHALL BE WOVEN WIRE, 6" MAXIMUM MESH OPENING.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N OR APPROVED EQUAL.
4. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE OR APPROVED EQUIVALENT.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN SEDIMENT REACHES HALF OF FABRIC HEIGHT.

TEMPORARY SILT FENCE

NTS

DATE			BY
SURVEY OSCA	☐ RECORD DRAWING ☐ PRELIMINARY ■ FINAL ☐ SKETCH/CONCEPT	HALL 2-LOT SBUDIVISION	DATE 08/23/18
DESIGN OSCA	O'LEARY-BURKE CIVIL ASSOCIATES, PLC	4 BLAKEY ROAD UNDERHILL, VT	JOB# 2018-02
DRAWN DWB/GRT	13 CORPORATE DRIVE ESSEX JCT., VT PHONE: 878-6800 FAX: 878-6888 E-MAIL: oboa@olearyburke.com	DRIVEWAY PROFILE AND WATER SUPPLY DETAILS	FILE 2018-02-S2
CHECKED DWB			PLAN SHEET # 3
SCALE: 1 50			