

LOCATION PLAN

SEPTIC SYSTEM DESIGN DATA

LOT 4 PUMP STATION INFORMATION:
THE PUMP TANK SHALL BE KISTNER CONCRETE PRODUCTS 1250/550 COMBINATION TANK AND SHALL INCLUDE A RISER TO GRADE WITH BOLTABLE COVER AND A 2" PVC AIR VENT WITH BUG SCREEN. ALL INLET AND OUTLET PIPES SHALL BE WATERTIGHT. THE TANK IS SIZED FOR A MINIMUM 1 DAY STORAGE OF WASTEWATER FLOWS ABOVE THE HIGH WATER ALARM LEVEL.

THE PUMP SHALL BE ITT GOULD'S MODEL PE31 0.33 HP WITH THE PUMP CAPABLE OF PUMPING 10-12 GPM AGAINST 21 FEET OF TDH. THE PUMP SHALL INCLUDE A VERTICAL CHECK VALVE AND A QUICK DISCONNECT FITTING ON THE DISCHARGE LINE. THE PUMP SHALL BE REMOVABLE FROM THE CHAMBER WITH A CHAIN ATTACHED TO THE UNDERSIDE OF THE CHAMBER. SEE PUMP OPERATING LEVEL INFORMATION FOR FLOAT SETTINGS.

PUMP OPERATION SHALL BE AUTOMATICALLY CONTROLLED WITH A DIGITAL PRESSURE TRANSDUCER. SET FOR HIGH WATER ALARM, PUMP ON AND PUMP OFF.

THE FORCEMAIN SHALL BE 2" SDR 11 HDPE LAID AS LEVEL AS POSSIBLE WITH A SLIGHT UPHILL GRADE TO THE DISTRIBUTION BOX WITH A MINIMUM EARTHEN COVER OF 4'. INSTALLER SHALL USE MINIMUM 2-INCHES THICK "BLUE BOARD" INSULATION IN ALL AREAS LESS THAN 4' OF COVER.

PUMP ELEVATION INFORMATION
RIM 851.00
INVERT IN 850.00
HIGH WATER ALARM 848.50
PUMP OFF 847.25
PUMP ON 846.25
BOTTOM 846.00

NYS DOH APP 75A DOSE VOLUME CALCULATION
PUMP STATION ACTIVE VOLUME IS 3.5'x6.2'x1.0' = 21.32CF
75-80% LEACH LINE CAPACITY IS: 3.14x(75/2) 2 X 300 LF X 0.80 = 21CF

EMERGENCY STORAGE CALCULATION
STORAGE VOLUME IS: 3.5'x6.2'x2.727(0.00-725.50) = 54.25 CF (405 GAL)
24 HR LOADING IS 390 GAL < 405 GAL OK

THE FORCEMAIN SHALL TERMINATE IN A "9WAY DISTRIBUTION BOX" USED FOR FLOW EQUALIZATION. THE FIRST LEACH LINE AND THE LATERAL LEADING TO THE DROP BOXES SHALL BE USED. ALL OTHERS TO REMAIN PLUGGED.

DESIGN DATA: BAGAHT SUBDIVISION LOT 4

DEEP HOLE WORK (12/3/21)
BY SCOTT DEHOLLANDER WITH CANANDAIGUA LAKE WATERSHED INSPECTOR
0-10 TOPSOIL
10-39" REDDISH BROWN SILTY LOAM W/ 1-6" GRAVEL DRY (20% BY VOLUME)
39-48" LIGHT BROWN DRY SILTY LOAM W/ 1-6" GRAVEL DRY (20% BY VOLUME)
48-78" LIGHT BROWN DRY SILTY LOAM W/ 1-6" GRAVEL (20% BY VOLUME)
ROOTS TO 44"
NO SEEPAGE
NO ROCK

PERC TEST RESULTS (12/3/20)
BY SCOTT DEHOLLANDER WITH CANANDAIGUA LAKE WATERSHED INSPECTOR
TEST HOLE DEPTH RATE FOR 1" DROP (STABILIZED)
P.H. SOUTH 22" 10 MIN.
P.H. NORTH 22" 5 MIN.

DESIGN DATA - CONVENTIONAL SYSTEM
TRENCH LENGTH IS BASED ON THE PERC RATE OF THE SUBSOIL
DESIGN APPLICATION = 0.90 GAL/SF (8 TO 10 MINS - NYSDOH TABLE 6)

EXAMPLE DESIGN FLOW CALCULATIONS
4 BEDROOM DESIGN = 520 GPD (130 GPD/BEDROOM UTILIZED)
Q = APPLICATION RATE = 0.90 GPD/SQ.FT.;
Q = FOUR BEDROOM DESIGN = 520 GPD;
A = REQUIRED ABSORPTION AREA;

A = Q / Qc; A = 520 GPD / 0.90 GPD/SF; A = 580 SQ.FT.
L = A / 2 FT.; L = 580 SQ.FT. / 2 FT.; L = 290 LIN.FT.
* INSTALL FIVE (5) - 60 FOOT LINES = 300 LIN.FT; WITH 1,250 GAL SEPTIC TANK

NOTE: CONSTRUCT A "SHALLOW ABSORPTION TRENCH" - INSTALL TRENCH BOTT OF LINE 1 AT 22" DEPTH. THE USE OF DROP BOXES IS REQUIRED ON THIS SYSTEM.

SEPTIC SYSTEM CERTIFICATION

I, SCOTT W. DEHOLLANDER, CERTIFY TO THE NEW YORK STATE DEPARTMENT OF HEALTH THAT THE SOIL PERCOLATION AND DEEP HOLE TESTS DATA SHOWN HEREON WAS OBTAINED BY A QUALIFIED REPRESENTATIVE OF OUR FIRM WHO HAS BEEN PROPERLY TRAINED TO PERFORM AND RECORD THESE TESTS IN ACCORDANCE WITH THE METHODOLOGY OUTLINE IN APPENDIX 75-A (12/1/90), IN THE NEW YORK STATE DEPARTMENT OF HEALTH DESIGN STANDARDS. THE TESTS ACCURATELY REPRESENT THE SOIL CONDITIONS ON THE PROPOSED SITE.
THE PROPOSED SUBSURFACE SEWAGE DISPOSAL SYSTEM(S) HAS (HAVE) BEEN DESIGNED BASED ON THE FIELD TEST DATA AND IS IN STRICT COMPLIANCE WITH NEW YORK STATE DEPARTMENT OF HEALTH INDIVIDUAL HOUSEHOLD SYSTEMS HANDBOOK REFERENCED ABOVE.

SIGNATURE/DATE
NOTES:

- THE SOILS INFORMATION PROVIDED ON THIS PLAN MAY NOT BE REPRODUCED OR UTILIZED IN ANY WAY FOR PURPOSES OTHER THAN THE CURRENT ACTION AS REPRESENTED BY SCOTT DEHOLLANDER PE.
- ANY INSTALLED SYSTEM MUST BE COMPLETELY BACK-FILLED AND ROUGH GRADED WITHIN 24 HOURS OF INSPECTION AND ACCEPTABILITY BY THE DESIGN ENGINEER.
- NO SUBSURFACE DISPOSAL SYSTEM WILL BE INSTALLED UNDER ADVERSE WEATHER CONDITIONS.
- THERE WILL BE NO DRIVING OR PARKING OVER THE AREA OF THE SUBSURFACE DISPOSAL SYSTEM.
- THE AREA OF THE LEACH FIELD SYSTEM WILL BE FINAL GRADED AND SEEDED AS SOON AS POSSIBLE AFTER CONSTRUCTION TO SHED SURFACE WATER

SEQUENCE OF CONSTRUCTION

- STABILIZED CONSTRUCTION ENTRANCE
- EROSION CONTROL SHALL BE INSTALLED AT THE ENTRANCE TO PREVENT THE MIGRATION OF SEDIMENT LADEN SOIL TOWARD WEST LAKE ROAD.
 - THE CONTRACTOR SHALL ESTABLISH SAFE CONSTRUCTION ENTRANCE IN THE LINE AND GRADE SPECIFIED FOR THE COMMON DRIVEWAY TO STATION 1+00.
 - TOPSOIL SHALL BE STOCKPILED IN BUILDING PAD FOR LOT 3.
- SITE CLEARING
- CLEARING OF 6" MINUS VEGETATION AT THE SITE TO THE FULL LIMITS SHOWN ON THE SITE PLAN SHALL BE COMMENCED WITH BRUSH HOG MOWER AND CHAINSAWS. THE CONTRACTOR SHALL AVOID USING EQUIPMENT THAT UNNECESSARILY DISTURBS BENEFICIAL STABILIZATION GROWTH.
 - TREES GREATER THAN 6" DIA OUTSIDE OF THE COMMON DRIVEWAY SHALL REMAIN UNTIL HOME CONSTRUCTION. NO DENOUDING IS PERMITTED ON HOME SITES UNTIL BUILDING PERMIT IS APPROVED.
 - ALL WOOD DEBRIS SHALL BE STOCKPILED FOR MULCHING.
 - ALL RUTTED AREAS SHALL BE LEVELED AND SEEDED.
- ACCESS ROAD CONSTRUCTION
- COMPLETE INSTALLATION OF EROSION CONTROL SILT FENCE TO THE LIMITS NOTED FOR COMMON DRIVEWAY.
 - STRIP TOPSOIL IN COMMON DRIVEWAY ALIGNMENT AND STOCKPILE ON LOT 3 IN BUILDING PAD LOCATION.
 - COMPLETE BULK EARTHWORK FOR COMMON DRIVEWAY TO BOTTOM OF SUBASE. BALANCE IS 600 CY CUT, 700 CY FILL. BORROW AREA FROM LOT 1 BUILDING PAD WILL BE USED TO COMPLETE EARTHWORK.
 - INSTALL CULVERT PIPES AND SNAILES.
 - INSTALL STONE BEDDING LAYERS TO BOTTOM OF BINDER.
 - FINAL GRADE, ADD TOPSOIL, AND SEED ALL DISTURBED AREAS.
- COMMON DRIVEWAY PAVEMENT SHALL COMMENCE AS FOLLOWS:
- GRAVEL SURFACE SHALL REMAIN UNTIL ISSUANCE OF 2ND CERTIFICATE OF OCCUPANCY (CO).
 - ASPHALT BINDER AFTER THE ISSUANCE OF 3RD CO
 - ASPHALT TOP AFTER ISSUANCE OF THE FINAL CO.
- HOME CONSTRUCTION
- HOME CONSTRUCTION WILL COMMENCE AFTER BUILDING PERMITS ARE ISSUED. INSTALL NOTED SILTENCE AND OTHER TEMPORARY MEASURES PRIOR TO FOUNDATION EXCAVATION.

EROSION CONTROL NOTES:

ALL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH N.Y.S. GUIDELINES AND LOCAL GOVERNING SOIL AND WATER CONSERVATION AGENCY RECOMMENDATIONS AND STANDARDS. SEE PROJECT SWPPP FOR FULL REQUIREMENTS.

ONLY AREAS NEEDED FOR CONSTRUCTION AS SHOWN ON THESE PLANS SHALL BE DISTURBED.

THE CONTROL OF EROSION AND SEDIMENTATION SHALL BE A CONTINUOUS PROCESS UNDERTAKEN AS NECESSARY PRIOR TO, DURING AND AFTER SITE PREPARATION AND CONSTRUCTION BY THE CONTRACTOR.

DRAINAGE SYSTEMS AND EROSION AND SEDIMENT CONTROL DEVICES SHALL BE MAINTAINED AS FREQUENTLY AS NECESSARY AND REPLACED IF NECESSARY UNTIL SUCH TIME AS A SUBSTANTIAL STAND OF VEGETATION HAS DEVELOPED AND THE POTENTIAL FOR EROSION NO LONGER EXISTS.

THE CONTRACTOR SHALL MAINTAIN SITE CONDITIONS WHICH SHALL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS.

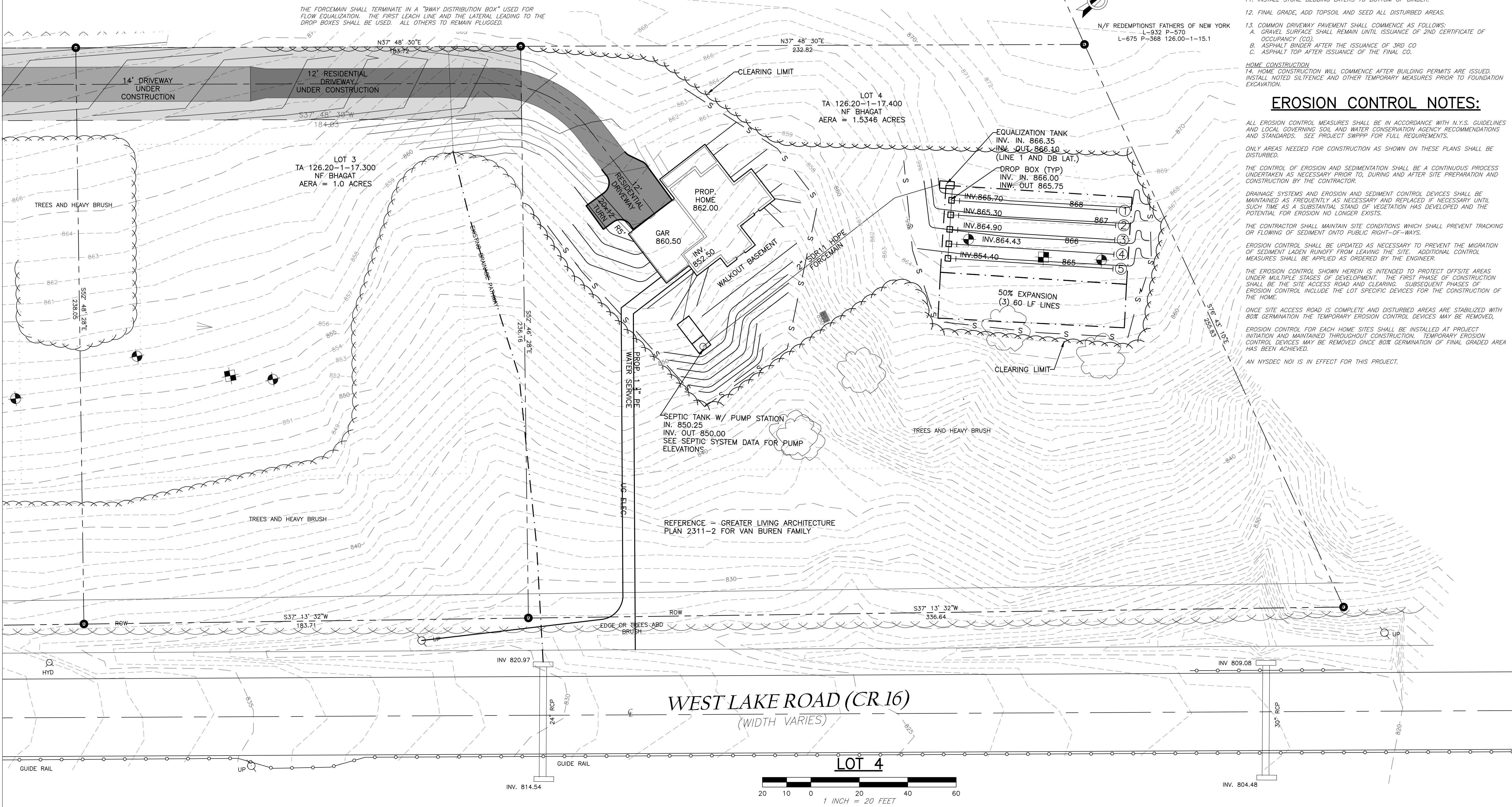
EROSION CONTROL SHALL BE UPDATED AS NECESSARY TO PREVENT THE MIGRATION OF SEDIMENT LADEN RUNOFF FROM LEAVING THE SITE. ADDITIONAL CONTROL MEASURES SHALL BE APPLIED AS ORDERED BY THE ENGINEER.

THE EROSION CONTROL SHOWN HEREIN IS INTENDED TO PROTECT OFFSITE AREAS UNDER MULTIPLE STAGES OF DEVELOPMENT. THE FIRST PHASE OF CONSTRUCTION SHALL BE THE SITE ACCESS ROAD AND CLEARING. SUBSEQUENT PHASES OF EROSION CONTROL INCLUDE THE LOT SPECIFIC DEVICES FOR THE CONSTRUCTION OF THE HOME.

ONCE SITE ACCESS ROAD IS COMPLETE AND DISTURBED AREAS ARE STABILIZED WITH 80% GERMINATION THE TEMPORARY EROSION CONTROL DEVICES MAY BE REMOVED.

EROSION CONTROL FOR EACH HOME SITES SHALL BE INSTALLED AT PROJECT INITIATION AND MAINTAINED THROUGHOUT CONSTRUCTION. TEMPORARY EROSION CONTROL DEVICES MAY BE REMOVED ONCE 80% GERMINATION OF FINAL GRADED AREA HAS BEEN ACHIEVED.

AN NYSDEC NOI IS IN EFFECT FOR THIS PROJECT.



DEHOLLANDER DESIGN
PRACTICING DESIGN DRIVEN DEVELOPMENT
7346 Dryer Road Victor, New York
Phone (585) 259-9609

NO.	REVISIONS	BY	DATE

PLAN APPROVALS

SIGNATURE
TOWN PLANNING BOARD CHAIRPERSON

SIGNATURE
TOWN ENGINEER

PROJECT NAME:
DEHOLLANDER SITE PLAN
TOWN OF CANANDAIGUA
ONTARIO COUNTY, NEW YORK

PROPERTY OWNER:
PROPERTY OF
DEHOLLANDER DESIGN INC.
7346 DRYER ROAD, VICTOR
ONTARIO COUNTY, NEW YORK

DRAWING TITLE:
**FINAL APPLICATION
LOT 4
SITE AND UTILITY PLAN**

SCALE: AS NOTED	DES. BY: S. DEHOLLANDER DRN. BY: CADD
PROJECT NO. 000121	CHECKED BY: DATE: 1/2021
SHEET NO. 1	