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.

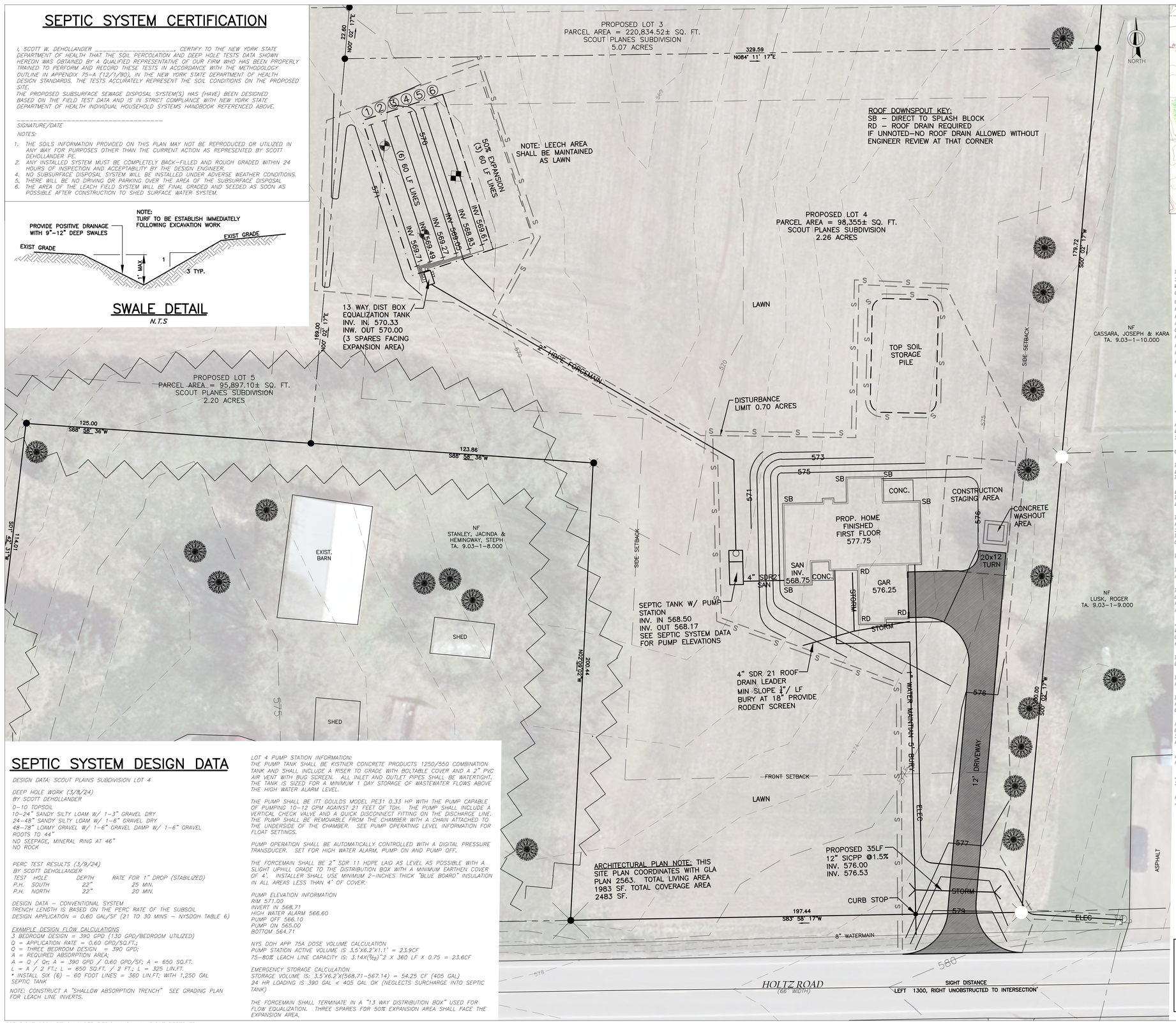
_____
SIGNATURE/DATE

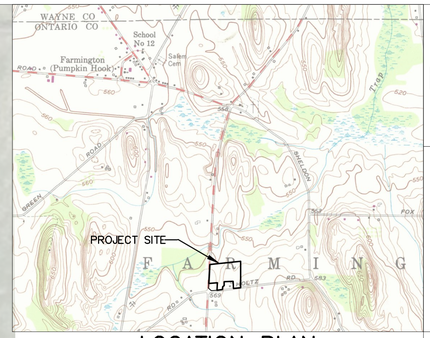
NOTES:

1. 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.
2. ANY INSTALLED SYSTEM MUST BE COMPLETELY BACK-FILLED AND ROUGH GRADED WITHIN 24 HOURS OF INSPECTION AND ACCEPTABILITY BY THE DESIGN ENGINEER.
4. NO SUBSURFACE DISPOSAL SYSTEM WILL BE INSTALLED UNDER ADVERSE WEATHER CONDITIONS.
5. THERE WILL BE NO DRIVING OR PARKING OVER THE AREA OF THE SUBSURFACE DISPOSAL
6. THE AREA OF THE LEACH FIELD SYSTEM WILL BE FINAL GRADED AND SEEDED AS SOON AS POSSIBLE AFTER CONSTRUCTION TO SHED SURFACE WATER SYSTEM.

SWALE DETAIL

N.T.S





LOCATION PLAN

GENERAL NOTES:

THE ACTION IS THE PROPOSED SITE PLAN FOR LOT 4 OF THE SCOUT PLAINS SUBDIVISION (A PORTION OF TAX MAP NO. 9.03-1-6.000), LOT 4 IS IN CONFORMANCE WITH THE ZONING SCHEDULE FOR CHAPTER 165 ATTACHMENT 1, LOT AREA, BULK AND COVERAGE REQUIREMENTS, FOR THE A-80 AGRICULTURAL DISTRICT.

CHAPTER 165 OF THE TOWN CODE, ENTITLED ZONING LAW, ARTICLE IV DISTRICT REGULATIONS, SECTION 18. A-80 AGRICULTURAL DISTRICT, SUBSECTION E. (3) LOT SIZE REQUIREMENTS: THE MINIMUM LOT SIZE REQUIREMENTS IN THIS §165-18, E (1) SHALL NOT APPLY UPON LANDS WHICH WILL ALLOW A STANDARD NEW YORK STATE DEPARTMENT OF HEALTH DESIGNED SEPTIC SYSTEM, UPON SUCH LANDS, THE DIMENSIONAL REQUIREMENTS SHALL BE AS FOLLOWS:

MINIMUM LOT SIZE 40,000 SF
MINIMUM LOT DEPTH 200 FEET

MINIMUM LOT FRONTAGE 150 FEET

MINIMUM BUILDING SETBACKS SHALL BE:
60 FEET FROM THE FRONT
20 FEET FROM ALL SIDES
20 FEET FROM THE REAR PROPERTY LINE

ALL ELEVATIONS ARE USGS NAD83 CENTRAL DATUM.

HOLTZ ROAD POSTED SPEED IS 45 MPH THE MINIMUM RECOMMENDED STOPPING SIGHT DISTANCE IS 625 FEET. THE COUNTY ROAD 8 POSTED SPEED IS 55 MPH THE MINIMUM STOPPING SIGHT DISTANCE IS 875 FEET (65MPH UTILIZED) PER AASHTO FIGURE IX-27.

CONSTRUCTION SHALL CONFORM TO THE TOWN OF FARMINGTON STANDARDS.

THE PROPOSED LOTS WILL BE SERVED POTABLE WATER FROM A CONNECTION TO THE EXISTING MUNICIPAL WATER MAIN LOCATED ALONG COUNTY ROAD 8 AND HOLTZ ROAD. THE LOTS ARE LOCATED WITHIN THE EXISTING A TOWN WATER DISTRICT.

ENTIRE SITE LOCATED WITHIN A ZONE C, AREA OF MINIMAL FLOOD HAZARD, SHOWN ON THE FLOOD INSURANCE RATE MAP, COMMUNITY NUMBER 361299, PANEL NUMBER 0010B, DATED SEPTEMBER 30, 1983.

THE ONTARIO COUNTY SOILS REPORT INDICATES THAT THE SITE SOILS ARE PALMYRA, PHELPS AND ONTARIO TYPE SOILS HAVING A UNIFIED SOILS CLASSIFICATION OF ML AND SM AT THE BUILDINGS PROPOSED FOOTING DEPTH. ACCORDING TO TABLE R401.4.1 OF THE RESIDENTIAL CODE OF NEW YORK STATE THE LOWEST PRESUMPTIVE BEARING CAPACITIES OF THESE SOILS IS 1,500 PSF.

THE DEVELOPMENT AREA IS CLEAR OF ALL MAPPED NYSDEC AND ACOE WETLANDS

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL NECESSARY SAFETY PRECAUTIONS AS REQUIRED DURING CONSTRUCTION

THE CONTRACTOR SHALL CONTACT THE UNDERGROUND FACILITIES PROTECTIVE ORGANIZATION (UFPO), AT LEAST TWO (2) DAYS BUT NOT MORE THAN TEN (10) DAYS PRIOR TO COMMENCING ANY WORK INCLUDING EXCAVATING, DRILLING, ETC. THE PHONE NUMBER FOR UFPO IS (800) 962-7962.

ALL WORK IS SUBJECT TO TO OSHA REQUIREMENTS INCLUDING BUT NOIT LIMITED TO EXCAVATION WALL SUPPORTING SYSTEMS, APPROPRIATE GEAR, AND EQUIPMENT AND A COMPETENT SUPERVISORY PERSON ON SITE AT ALL TIMES (29 CFR PART 1926 SUBPART P.)

THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UNDERGROUND UTILITIES IN THE WORK AREA PRIOR TO BEGINNING ANY WORK.

THE CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR ALL SERVICES AND OR UTILITY MAINS DAMAGED AS A RESULT OF WORK UNDER THIS PROPOSED ACTION.

THE CONTRACTOR SHALL BE RESPONSIBLE AT HIS OWN EXPENSE FOR PATCHING AND REPAIRING ANY EXISTING MATERIALS AND OR FINISHES DISTURBED BY THE INSTALLATION OF NEW WORK. PATCHING OR REPAIRING SHALL MATCH ADJACENT EXISTING FINISHES.

IT IS THE CONTRACTORS RESPONSIBILITY TO CONTACT THE ENGINEER TO RECEIVE CLARIFICATIONS OF THE PROPOSED WORK. COMPLIANCE WITH REQUIRED CONSTRUCTION STANDARDS AND PRACTICES ARE THE CONTRACTORS RESPONSIBILITY AND MAY NOT BE FULLY DETAILED ON THE PLAN.

NORTH IS ILLUSTRATED FOR PLAN SHEET CONVENIENCE AND NOT REPRESENTATIVE OF MAGNETIC NORTH.

ALL WATER SERVICES SHALL BE INSTALLED WITH A MINIMUM OF 10' HORIZONTAL SEPARATION FROM ALL SEWER LATERALS AND FACILITIES.

PRIOR TO THE ISSUANCE OF A BUILDING PERMIT, A PARK AND RECREATION FEE, IN THE AMOUNT ESTABLISHED BY THE TOWN BOARD, IS TO BE PAID TO THE TOWN CLERK.

SITE PLAN

20 10 0 20 40 60

1 INCH = 20 FEET

PLAN APPROVALS

_____
SIGNATURE
TOWN PLANNING BOARD CHAIRPERSON

SEPTIC SYSTEM DESIGN DATA

DESIGN DATA: SCOUT PLAINS SUBDIVISION LOT 4

DEEP HOLE WORK (3/8/24)
BY SCOTT DEHOLLANDER

0-10 TOPSOIL
10-24" SANDY SILTY LOAM W/ 1-3" GRAVEL DRY
24-48" SANDY SILTY LOAM W/ 1-6" GRAVEL DRY
48-78" LOAMY GRAVEL W/ 1-6" GRAVEL DAMP W/ 1-6" GRAVEL
ROOTS TO 44"
NO SEEPAGE, MINERAL RING AT 46"
NO ROCK

PERC TEST RESULTS (3/9/24)
BY SCOTT DEHOLLANDER

TEST HOLE	DEPTH	RATE FOR 1" DROP (STABILIZED)
P.H. SOUTH	22"	25 MIN.
P.H. NORTH	22"	20 MIN.

DESIGN DATA - CONVENTIONAL SYSTEM
TRENCH LENGTH IS BASED ON THE PERC RATE OF THE SUBSOIL
DESIGN APPLICATION = 0.60 GAL/SF (21 TO 30 MINS - NYSDOH TABLE 6)

EXAMPLE DESIGN FLOW CALCULATIONS
3 BEDROOM DESIGN = 390 GPD (130 GPD/BEDROOM UTILIZED)
Q = APPLICATION RATE = 0.60 GPD/SQ.FT.;
Q = THREE BEDROOM DESIGN = 390 GPD;
A = REQUIRED ABSORPTION AREA;
A = Q / Or; A = 390 GPD / 0.60 GPD/SF; A = 650 SQ.FT.
L = A / 2 FT.; L = 650 SQ.FT. / 2 FT.; L = 325 LIN.FT.
* INSTALL SIX (6) - 60 FOOT LINES = 360 LIN.FT; WITH 1,250 GAL SEPTIC TANK

NOTE: CONSTRUCT A "SHALLOW ABSORPTION TRENCH" SEE GRADING PLAN FOR LEACH LINE INVERTS.

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 GOULDS 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 571.00
INVERT IN 568.71
HIGH WATER ALARM 566.60
PUMP OFF 566.10
PUMP ON 565.00
BOTTOM 564.71

NYS DOH APP 75A DOSE VOLUME CALCULATION
PUMP STATION ACTIVE VOLUME IS 3.5'X6.2'X1.1' = 23.9CF
75-80% LEACH LINE CAPACITY IS: 3.14X(3½)^2 X 360 LF X 0.75 = 23.6CF

EMERGENCY STORAGE CALCULATION
STORAGE VOLUME IS: 3.5'X6.2'X(568.71-567.14) = 54.25 CF (405 GAL)
24 HR LOADING IS 390 GAL < 405 GAL OK (NEGLECTS SURCHARGE INTO Sseptic TANK)

THE FORCEMAIN SHALL TERMINATE IN A "1:3 WAY DISTRIBUTION BOX" USED FOR FLOW EQUALIZATION. THREE SPARES FOR 50% EXPANSION AREA SHALL FACE THE EXPANSION AREA.

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

NO.	REVISIONS	BY	DATE

LEGEND

NEW FEATURES

- PROPOSED UTILITY (PER LABEL)
- 105 EXIST CONTOUR
- PROPOSED PROPERTY LINE
- EXIST PROPERTY LINE
- SURVEY CONTROL POINT
- SURVEY BENCHMARK
- POST
- CONIFEROUS SHRUB
- TREE STUMP
- DECIDUOUS SHRUB
- DECIDUOUS TREE
- CONIFEROUS TREE
- CONSERVATION EASEMENT SPECIAL BOUNDARY MARKER
- CONSERVATION EASEMENT STANDARD POST MARKER
- UTILITY SANITARY MANHOLE
- UTILITY DRAINAGE MANHOLE
- UTILITY DRAINAGE CATCHBASIN
- HYD WV W DOM. WATER FIRE HYDRANT WITH WATER VALVE
- PERC. TEST HOLE LOC.
- DEEP HOLE LOC.
- UTILITY POLE
- SIGN
- EROSION CONTROL ROCK DAM

PROJECT NAME:
LOT 4
SCOUT PLAINS SUBDIVISION
TOWN OF FARMINGTON
ONTARIO COUNTY, NEW YORK

PROPERTY OWNER:
PROPERTY OF
SCOTT W. DHOLLANDER.
7346 DRYER ROAD, VICTOR
ONTARIO COUNTY, NEW YORK

DRAWING TITLE:
FINAL APPLICATION
SITE PLAN

SCALE:	DES. BY:
AS NOTED	S. DEHOLLANDER
	DRN. BY: CADD
PROJECT NO.	CHECKED BY: / SHEET NO.
000124	DATE: 1/2024 / 1