

PROPOSED SITE PLAN - DRAINAGE IMPROVEMENTS
SCALE: 1"=20'

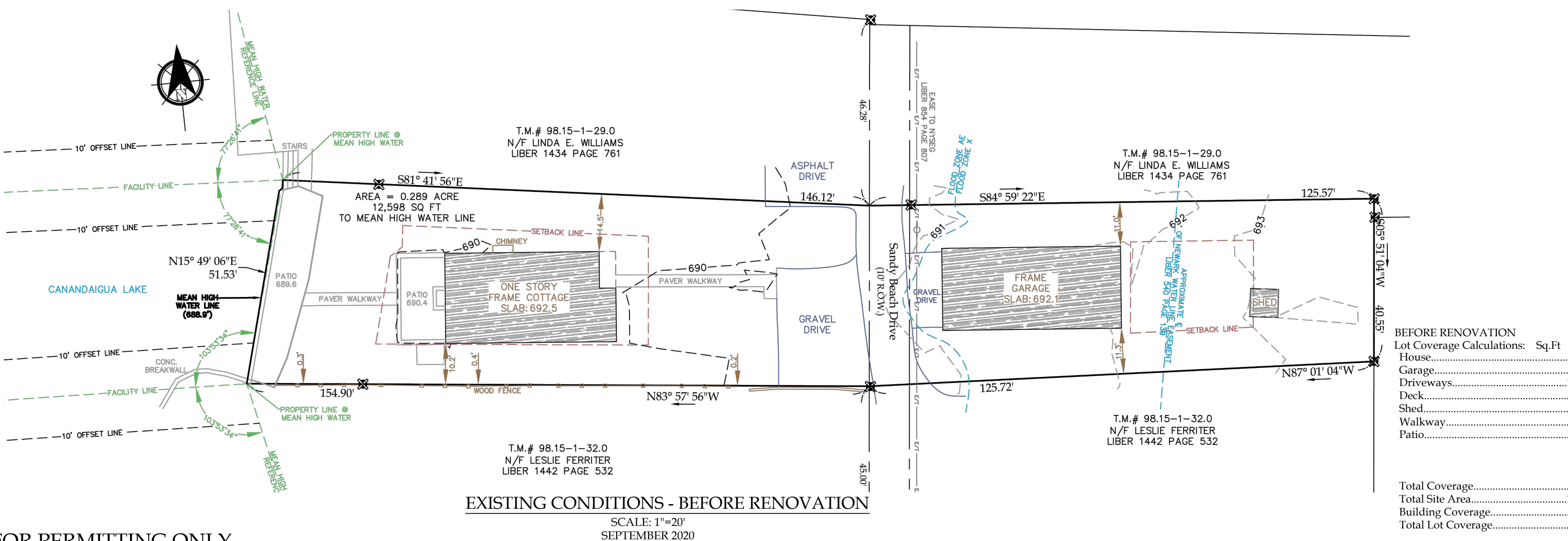
Existing Lot Coverage Calculations: Sq Ft

House.....	1,866
Garage.....	907
Driveways.....	1,120* (@ HOUSE)
Deck.....	327
Shed.....	0
Walkway.....	99
Patio.....	441
Sandy Beach Drive Pave.....	449
Total Coverage.....	5,557
Total Site Area.....	12,598
Building Coverage.....	22.0%
Total Lot Coverage.....	44.1%

*Proposed Porous Pavement..... 8.9% of Lot Coverage
LOT COVERAGE less Porous Pave.....35.2%

LEGEND

W	PROP WATER	---	SILT FENCE
S	PROP SEWER	---	EXIST. CONTOUR
D	PROP DRAIN	---	PROP CONTOUR
E	PROP ELECT	---	PROPERTY LINE
T	PROP TEL	---	CENTERLINE
GAS	PROP GAS	---	LP
900.3 X	SPOT GRADE	---	DRAIN MANHOLE
PROPOSED EROSION MAT		---	CATCH BASIN
CHECK DAM		---	SEWER MANHOLE
PROPOSED INLET PROTECTION		---	WATER VALVE
		---	HYDRANT



EXISTING CONDITIONS - BEFORE RENOVATION
SCALE: 1"=20'
SEPTEMBER 2020

STORMWATER SYSTEM SIZING

BASIS OF STORMWATER MANAGEMENT DESIGN:

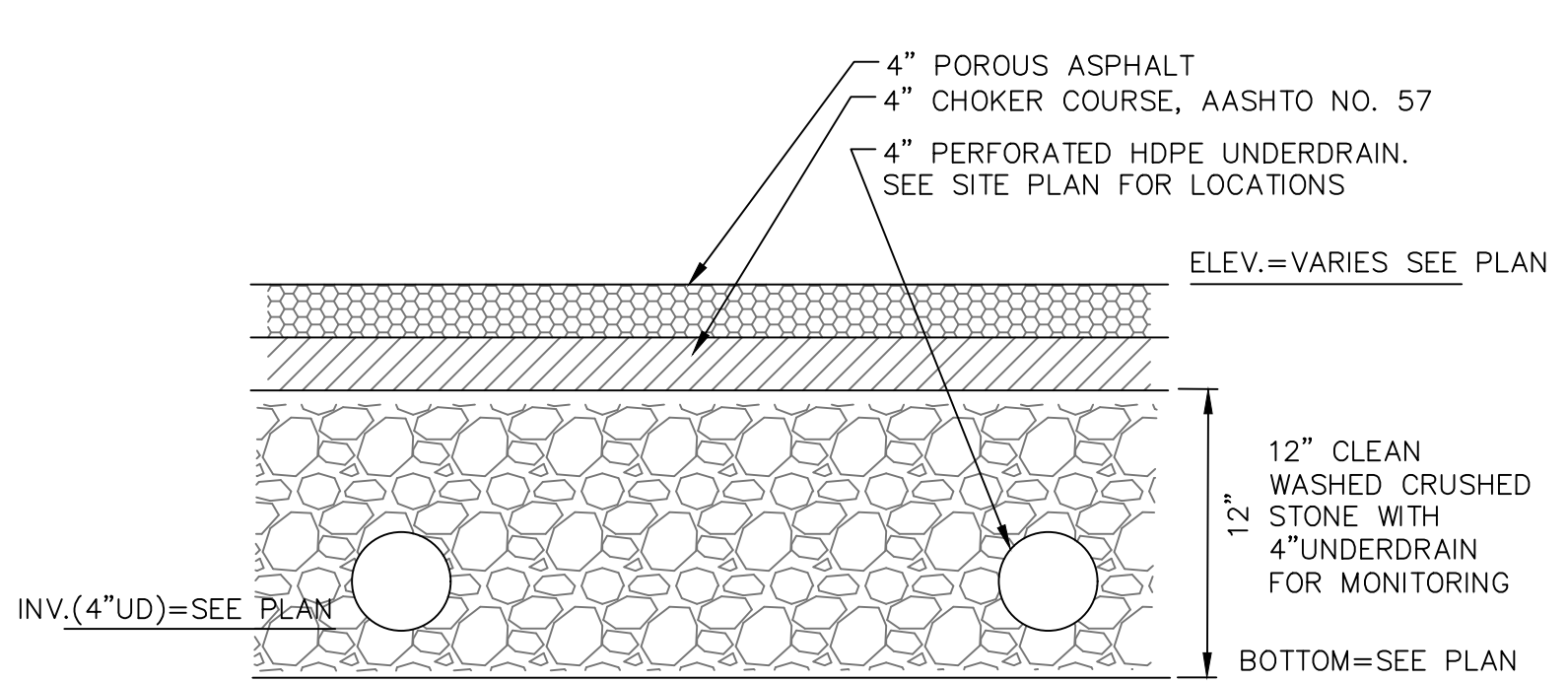
THE PROPOSED STORMWATER INFILTRATION SYSTEM/POROUS PAVEMENT SYSTEM HAS BEEN SIZED TO CONTAIN THE MAJORITY OF RAIN EVENTS BEFORE OVERFLOW. ADDITIONALLY, CONTAINMENT OF THE 2" STORM (AT LEAST) PROVIDES STORMWATER QUALITY CONTROL FOR ENHANCED PHOSPHOROUS REMOVAL DUE TO THE PROJECT BEING LOCATED IN THE CANANDAIGUA LAKE WATERSHED AND ALSO EFFECTIVELY REMOVES THE ASPHALT PARKING AREA AS A MAIN CONTRIBUTOR OF CONTAMINATED STORMWATER RUNOFF FROM THE SITE.

THE PROPOSED STORAGE VOLUME WITHIN THE POROUS PAVEMENT AREA IS:

POROUS PAVEMENT AREA X DEPTH OF MEDIA X 40% VOIDS =
1,120 x 18" x 0.40 = 672 CF

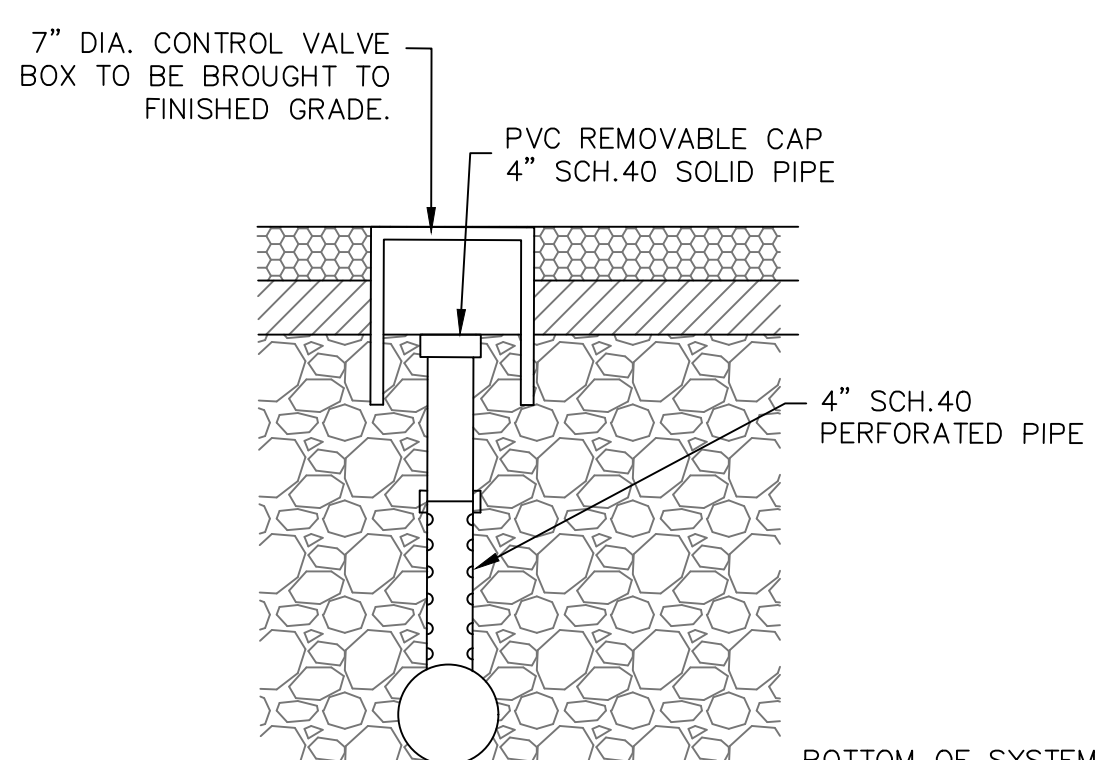
THE EQUIVALENT RAINFALL DEPTH THAT THE PAVEMENT CAN CONTAIN IS APPROXIMATED AS FOLLOWS:

1,120 sf x RAINFALL DEPTH = STORAGE VOLUME
672 cf / 1,120 cf = 0.6ft = ~7"



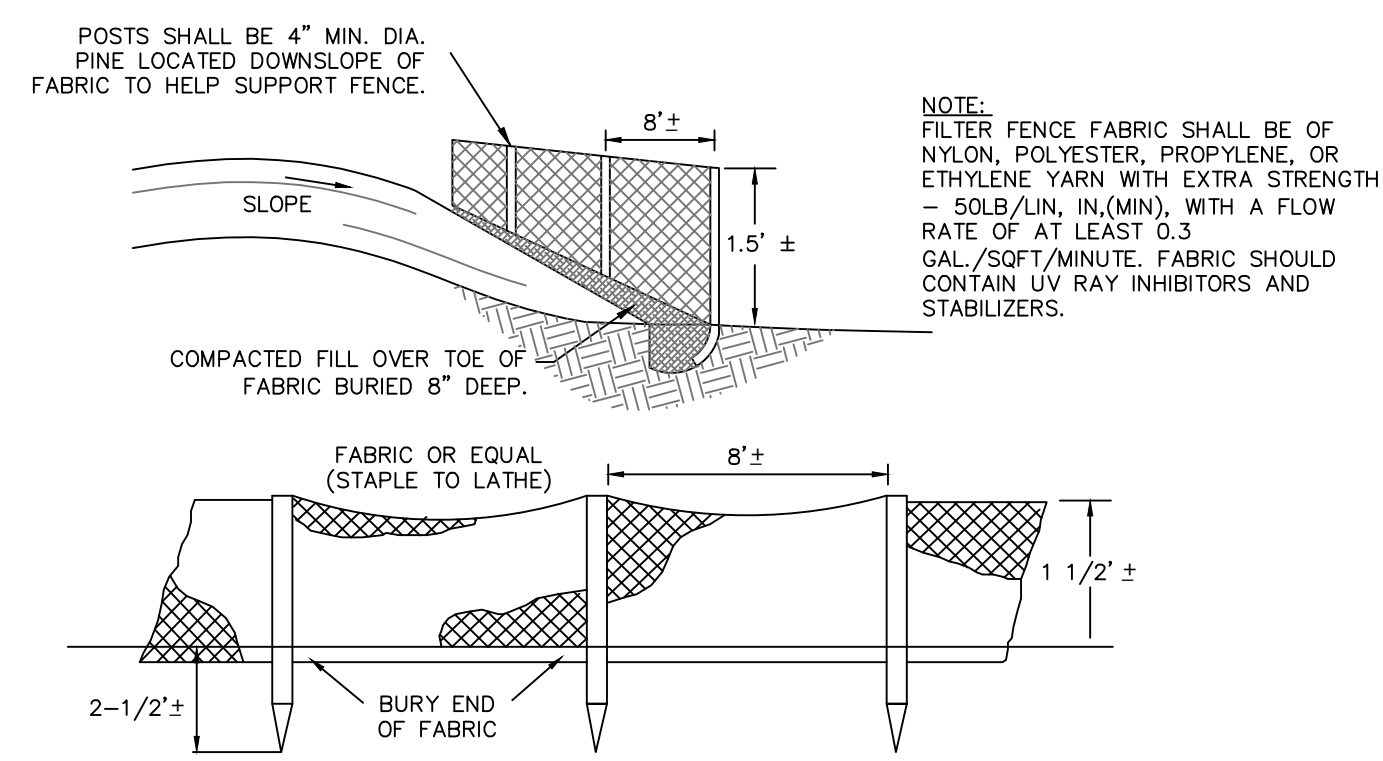
POROUS PAVEMENT DETAIL

NOT TO SCALE



POROUS PAVEMENT - INSPECTION PORT

NOT TO SCALE



SILT FENCE DETAIL

NOT TO SCALE

GENERAL NOTES

- PROPERTY LINE AND SITE INFORMATION SHOWN ON THIS PLAN IS BASED ON AVAILABLE RECORD INFORMATION AND ON A FIELD INSTRUMENT SURVEY PERFORMED BY VENEZIA AND ASSOCIATES IN AUGUST 2021.
- UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE. ACTUAL LOCATION SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL PROTECT AND MAINTAIN ALL EXISTING UTILITY SERVICES THROUGHOUT CONSTRUCTION. CONTACT U.F.P.O. AT 1-800-962-7962 AT LEAST 72 HOURS PRIOR TO CONSTRUCTION.
- THE LAKE FRONTAGE IS LOCATED IN ZONE AE PER C.P. #3605980020C MAP REVISED MARCH 3, 1997. THE LIMIT OF THE FLOODPLAIN ZONE IS SHOWN ON THE SITE PLAN.
- NO CHANGES ARE TO BE MADE TO THIS DESIGN WITHOUT PRIOR APPROVAL OF THE DESIGN ENGINEER.
- ALL IMPROVEMENTS SHALL BE IN ACCORDANCE WITH THE MOST RECENT STANDARDS AND SPECIFICATIONS OF THE TOWN OF CANANDAIGUA AND THE APPROPRIATE WATER/SEWER AGENCIES, UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL LOCATE, MARK, SAFEGUARD AND PRESERVE ALL SURVEY CONTROL MONUMENTS AND RIGHT-OF-WAY MONUMENTS IN THE AREAS OF CONSTRUCTION.
- ELEVATIONS REFERENCE NAVD88 DATUM.

ONE STAGE SITE PLAN APPROVAL

PLANNING BOARD CHAIRPERSON	DATE
TOWN HIGHWAY & WATER SUPERINTENDENT	DATE
TOWN ENGINEER	DATE

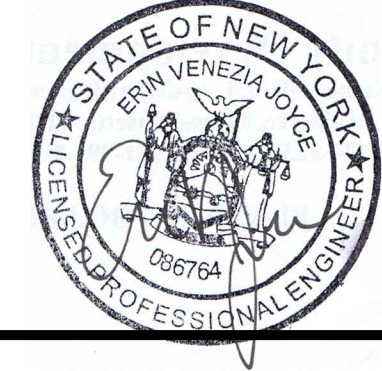
FOR PERMITTING ONLY



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PER SECTION 7209 OF ARTICLE 145 OF THE NEW YORK STATE EDUCATION LAW IT IS A VIOLATION FOR ANY PERSON TO ALTER ANY DOCUMENT THAT BEARS THE SEAL OF A PROFESSIONAL ENGINEER, UNLESS THE PERSON IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. IF A DOCUMENT BEARING THE SEAL OF AN ENGINEER IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE DOCUMENT THEIR SEAL AND THE NOTATION "ALTERED BY FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION."

NYS Professional Engineer



Revisions

NO.	Date	Description	By

NYS Land Surveyor

Drawing Title:

DRAINAGE IMPROVEMENTS PLAN

Site Plan Prepared For:

Marcello & Stacy Battisti

3542 Sandy Beach Drive
Town of Canandaigua
County of Ontario State of New York

File# 20181

Scale: 1" = 20'

Tax Map# 98.15-1-33.000

Date: 03/31/2022

Sheet:

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