#### VILLAGE OF WAPPINGERS FALLS

## Offices of Planning/Zoning 2582 South Avenue Wappingers Falls, NY 12590 (845) 297-5277 Fax: (845) 296-0379

#### AGENDA OF THE ZONING BOARD OF APPEALS

November 15, 2022

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The Zoning Board of Appeals of the Village of Wappingers Falls will hold a meeting at the American Legion Hall, 7 Spring Street, Wappingers Falls, on November 15, 2022, beginning at 7 p.m. There is a continued public hearing scheduled for this meeting.

The agenda is as follows:

**ROLL CALL** 

**APPROVAL OF OCTOBER 4, 2022 MINUTES** 

CONTINUED PUBLIC HEARING

#### CENTER FOR PHYSICAL THERAPY

2 Delavergne Avenue (Grid #6158-10-268607) – Campilii-Snyder Fmly Farm LLC (Owner and Applicant) – Christian R. Paggi, PE (Engineer) – Area Variance Application.

This property is located in the Village Mixed (VM) zoning district. The applicant is seeking a variance from Village Code Attachment §151-5(C) and Zoning Table 2D, "Setbacks - Principal Building," for parcels in the Village Mixed (VM) zoning district, to permit the construction of an addition to the existing structure, having a proposed secondary frontage setback of 7 feet, 8 inches, where a minimum of 10 feet is mandated, therefore requiring a variance of 2 feet, 2 inches.

### LAWRENCE J. PAGGI, PE, PC

#### **Consulting Engineering**

43 Broad Street Fishkill, New York 12524 Phone 845 897 2375 Fax 845 897 2239

November 1, 2022

Attn: Mercedes Perez Secretary to Planning & Zoning Village of Wappingers Falls Zoning Board of Appeals 2582 South Avenue Wappingers Falls, NY 12590

Re: 2 Delavergne Avenue

Application for Area Variance

Tax Grid No.: 134601-6158-10-268607

Dear Chairman Firstenberg and Members of the Board:

Please find enclosed ten (10) copies of the following information relative to the above referenced Area Variance Application:

- 1. Amended Site Plan, Sheet C100, dated 6/8/22, last revised 11/1/22
- 2. Stormwater Management Plan, Sheet C200, dated 8/16/22, last revised 11/1/22
- 3. Utility and Grading Plan, Sheet L300, dated 6/6/22, last revised 10/27/22
- 4. Planting Plan, Sheet L400, dated 6/6/22, last revised 10/27/22
- 5. Planting Plan with Plant Descriptions, Sheet L401, dated 6/6/22, last revised 10/27/22
- 6. Proposed Building Renderings, 8.5" x11"
- 7. Existing first floor plan, 8.5"x11"
- 8. Digital Copy (CD)

The Applicant continues to seek an Area Variance of 2.2-ft to allow for a 7.8-ft secondary frontage setback to a proposed addition, where a 10-ft minimum setback is required. If granted, the variance would allow for the construction of a *Pergola Roof* ® addition on the southeast corner of the existing Center for Physical Therapy building at 2 Delavergne Avenue. The proposed Pergola addition is fitted with a mechanical louvered roof system and glass sidewalls and doors, providing a unique indoor/outdoor treatment space for patients and therapists.

The Applicant kindly requests to be placed on the November 15<sup>th</sup> Zoning Board meeting agenda for the opportunity to present this application. Your consideration of this matter is greatly appreciated.

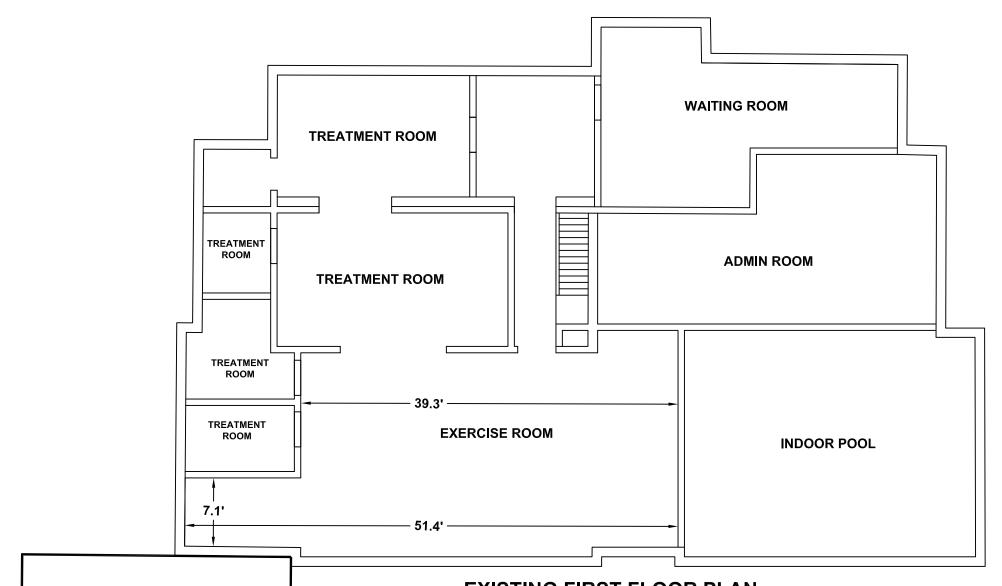
Sincerely,

Christian R. Paggi, PE

Christian R. Paggi

Senior Engineer

**Enclosures** 



PROPOSED 1 STORY PERGOLA 20'X28'

#### **EXISTING FIRST FLOOR PLAN**

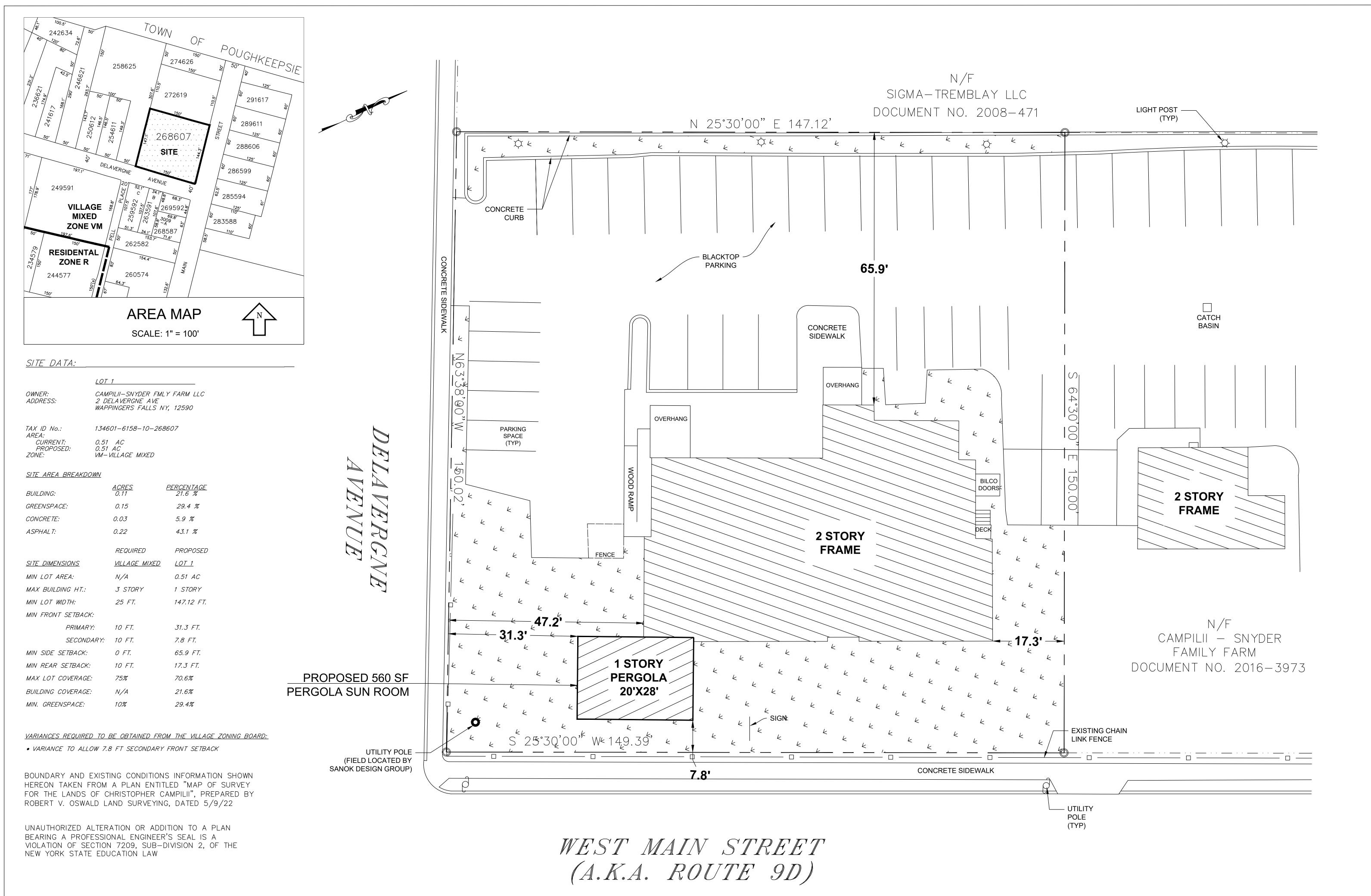
**SCALE: 1" = 10'** 

FLOOR PLAN BASED ON FIELD MEASUREMENTS TAKEN 10/14/22 FOR ILLUSTRATIVE PURPOSES ONLY

# **CENTER FOR PHYSICAL THERAPY**

2 DELAVERGNE AVE WAPPINGERS FALLS, NEW YORK

NOVEMBER 1, 2022



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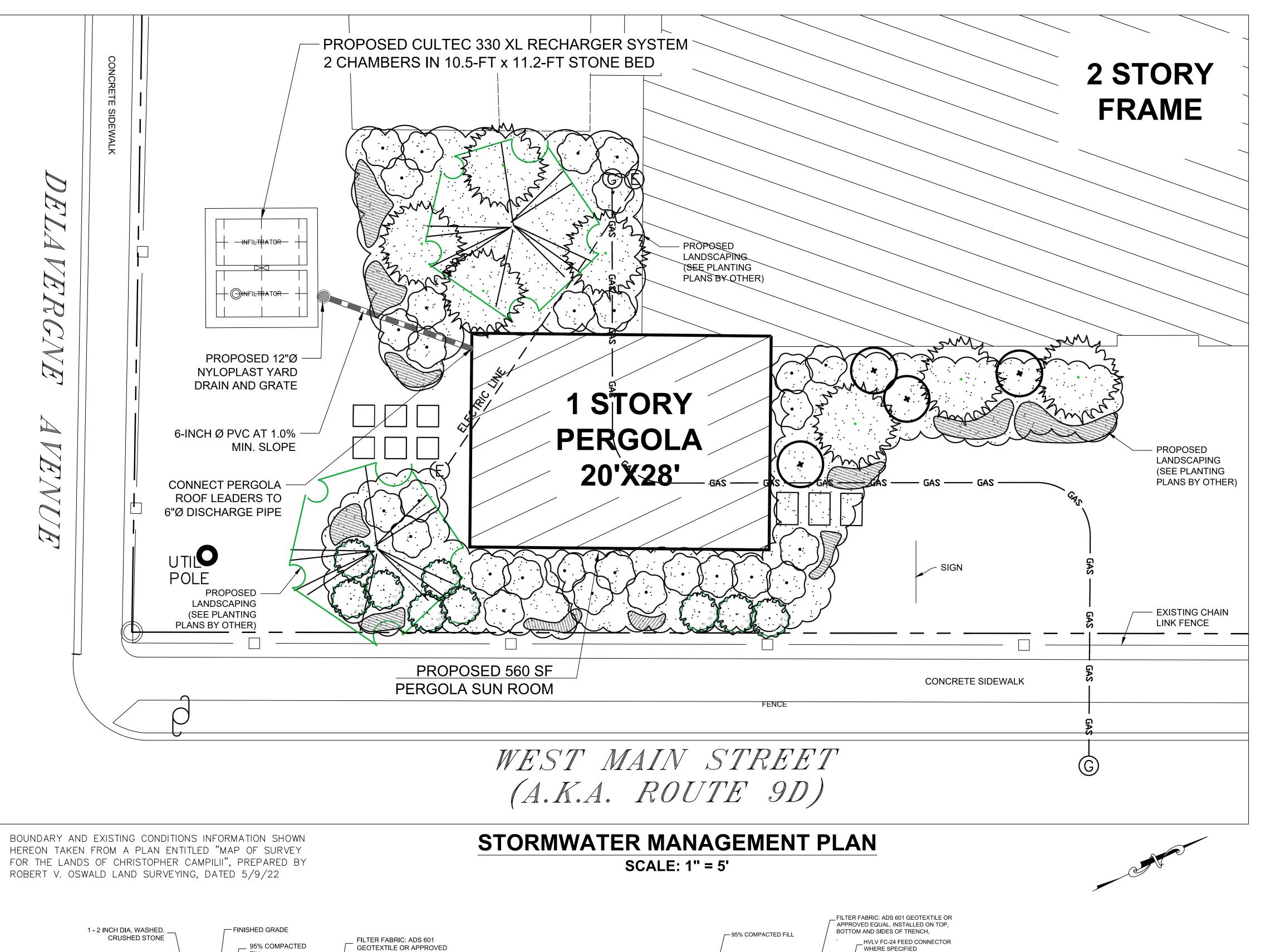
SHEET NUMBER:

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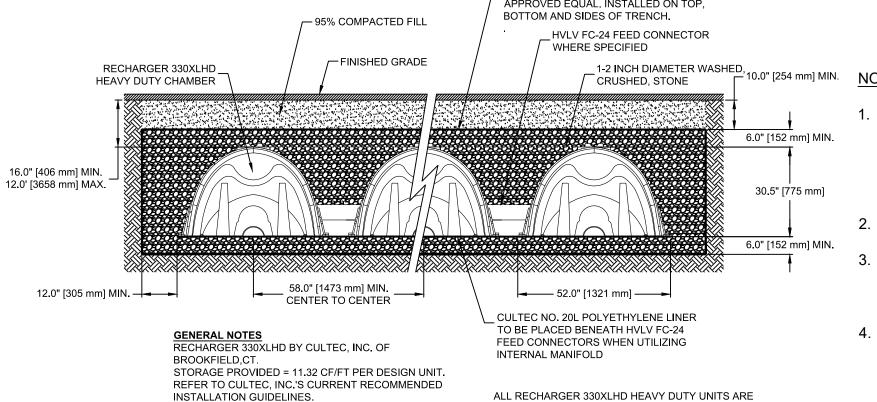
C100



CULTEC RECHARGER 330XLHD EQUAL. INSTALLED ON TOP, **HEAVY DUTY CHAMBER** BOTTOM AND SIDES OF TRENCH. FIELD TO ALLOW HVLV FC-24 FEED CONNECTOR AT END OF EACH ROW (QTY. 5) CULTEC NO. 20L POLYETHYLENE LINER TO SPAN THE ENTIRE WIDTH OF THE SYSTEM BELOW THE HVLV FC-24

FEED CONNECTORS AND SIDE PORTALS

INTERNAL MANIFOLD



TYPICAL SECTION

MARKED WITH A COLOR STRIPE FORMED INTO THE

PART ALONG THE LENGTH OF THE CHAMBER.

LOCAL, STATE AND FEDERAL REGULATIONS.

ALL RECHARGER 330XLHD CHAMBERS MUST BE

INSTALLED IN ACCORDANCE WITH ALL APPLICABLE

MAXIMUM ALLOWED COVER OVER TOP OF UNIT SHALL BE

CULTEC'S RECOMMENDED INSTALLATION INSTRUCTIONS

THÈ CHAMBER WILL BE DESIGNED TO WITHSTAND

TRAFFIC LOADS WHEN INSTALLED ACCORDING TO

CONTRACTOR SHALL REFER TO MANUFACTURER'S SPECIFICATIONS FOR DETAILED INSTALLATION INSTRUCTIONS. CONTRACTORS ARE EXPECTED TO COMPREHEND AND USE THE MOST CURRENT INSTALLATION INSTRUCTIONS PRIOR TO BEGINNING THIS SYSTEM INSTALLATION.

CONTRACTORS ARE RESPONSIBLE FOR VERIFYING ALL GRADES AND INVERTS INDICATED ON THESE PLANS. CONTRACTORS ARE TO SUBMIT SHOP DRAWINGS OF

ALL NEW DRAINAGE STRUCTURES, PIPING, AND STONE/BACKFILL MATERIAL TO THE DESIGN ENGINEER FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION. 4. TRENCH/SIDE SLOPE STABILIZATION AND JOB SAFETY ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR IS EXPECTED TO COMPLY WITH ALL

APPLICABLE STATE AND FEDERAL REGULATIONS.

GENERAL NOTES:

1. EXISTING KNOWN UTILITIES ON THE PROJECT SITE HAVE BEEN LOCATED/MARKED BY CENTRAL HUDSON GAS & ELECTRIC, CHARTER COMMUNICATIONS HUDSON VALLEY, NYSDOT POUGHKEEPSIE REGION 8, VERIZON HUDSON VALLEY AND THE VILLAGE OF WAPPINGERS FALLS. UTILITY INFORMATION SHOWN HEREON HAS NOT BEEN SURVEYED AND IS BASED ON FIELD MEASUREMENTS PERFORMED BY SANOK DESIGN GROUP.

2. CONTRACTOR SHALL VERIFY LOCATION, BURIAL DEPTH AND SIZE/MATERIAL OF ALL EXISTING UTILITIES WITHIN THE WORK AREA PRIOR TO COMMENCING WORK.

STORMWATER DESIGN NOTES:

1. INCREASES IN IMPERVIOUS AREA (560-SF PERGOLA) ARE PROPOSED TO BE MITIGATED VIA SUBSURFACE INFILTRATION.

2. SOIL PERCOLATION RATES SHALL BE VERIFIED PRIOR TO INSTALLATION VIA PERFORMANCE OF INFILTRATION TESTS IN THE AREA OF THE PROPOSED SUBSURFACE SYSTEM IN CONFORMANCE WITH 2015 NYSDEC STORMWATER DESIGN MANUAL.

3. DESIGN PARAMETERS:

3.1. EXISTING SOIL TYPES (DUTCHESS COUNTY, NEW YORK SOIL SURVEY):

KrA - KNICKERBOCKER FINE SANDY LOAM (HSG A; 1.98 TO 5.95 IN/HR) KuA - KNICKERBOCKER-URBAN LAND COMPLEX (HSG A; 1.98 TO 5.95 IN/HR)

\*DESIGN ASSUMES 1.0 IN/HR INFILTRATION RATE, TO BE VERIFIED WITH IN SITU T

3.2. MITIGATION OF 100-YR DESIGN STORM

NORTHEAST REGIONAL CLIMATE CENTER DATA FOR EXTREME PRECIPITATION INDICATES AN ESTIMATED 24-HR 100-YR DESIGN STORM OF 8.18 IN/HR

4. SYSTEM DESIGN:

4.1. TWO (2) CULTEC 330 XL RECHARGES IN 10.5-FT BY 11.2-FT STONE TRENCH RESÙLTS IN 100% MITIGATION OF 100-YR DESIGN STORM BASED ON ASSUMED 1.0 IN/HR INFILTRATION RATE (SEE CALCULATIONS BELOW).

4.2. ROOF RUNOFF FROM NEW PERGOLA STRUCTURE TO BE DIRECTED TO SUBSURFACE CULTEC SYSTEM.

2DelavergneAve 24-hr S1 100-yr 100-yr Rainfall=8.18" 2DelavergneAve\_HydroCAD Prepared by {enter your company name here} HydroCAD® 10.00 s/n 07219 © 2011 HydroCAD Software Solutions LLC

# **Summary for Subcatchment 1S: 560-SF PERGOLA**

[49] Hint: Tc<2dt may require smaller dt

Discarded =

4.00

Runoff = 0.12 cfs @ 11.97 hrs, Volume= 371 cf, Depth> 7.94"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs 2DelavergneAve 24-hr S1 100-yr 100-yr Rainfall=8.18"

Area (sf) CN Description 560 98 PERGOLA 100.00% Impervious Area Tc Length Slope Velocity Capacity Description (min) (feet) (ft/ft) (ft/sec) (cfs)

2DelavergneAve\_HydroCAD 2DelavergneAve 24-hr S1 100-yr 100-yr Rainfall=8.18" Prepared by {enter your company name here} HydroCAD® 10.00 s/n 07219 © 2011 HydroCAD Software Solutions LLC

# **Summary for Pond 2P: CULTEC 330**

231 cf

Effective Size= 47.8"W x 30.0"H => 7.45 sf x 7.00'L = 52.2 cf

Overall Size= 52.0"W x 30.5"H x 8.50'L with 1.50' Overlap

Row Length Adjustment= +1.50' x 7.45 sf x 2 rows

439

560 sf,100.00% Impervious, Inflow Depth > 7.94" for 100-yr event Inflow Area = Inflow 0.12 cfs @ 11.97 hrs, Volume= Outflow = 0.00 cfs @ 14.96 hrs, Volume= 231 cf, Atten= 97%, Lag= 179.9 min

75 cf Cultec R-330XL Inside #2

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs Peak Elev= 3.02' @ 14.96 hrs Surf.Area= 117 sf Storage= 186 cf

0.00 cfs @ 14.96 hrs, Volume=

Plug-Flow detention time= 246.1 min calculated for 231 cf (62% of inflow) Center-of-Mass det. time= 119.2 min (855.5 - 736.3) Invert Avail.Storage Storage Description

2	0.00'	146 cf	Custom Stage Data (Prismatic)Listed below (Recalc) 439 cf Overall - 75 cf Embedded = 364 cf x 40.0% Voids		
		220 cf	Total Av	vailable Storage	
vation (feet)	Surf.Area (sq-ft)		:.Store c-feet)	Cum.Store (cubic-feet)	
0.00	117		0	0	
0.50	117		59	59	
1.00	117		59	117	
1.50	117		59	176	
2.00	117		59	234	
2.50	117		59	293	
3.00	117		59	351	
3.50	117		59	410	

0.00' 1.000 in/hr Exfiltration over Surface area #1 Discarded Conductivity to Groundwater Elevation = -10.00'

**Discarded OutFlow** Max=0.00 cfs @ 14.96 hrs HW=3.02' (Free Discharge) 1=Exfiltration (Controls 0.00 cfs)

> UNAUTHORIZED ALTERATION OR ADDITION TO A PLAN BEARING A PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2, OF THE NEW YORK STATE EDUCATION LAW

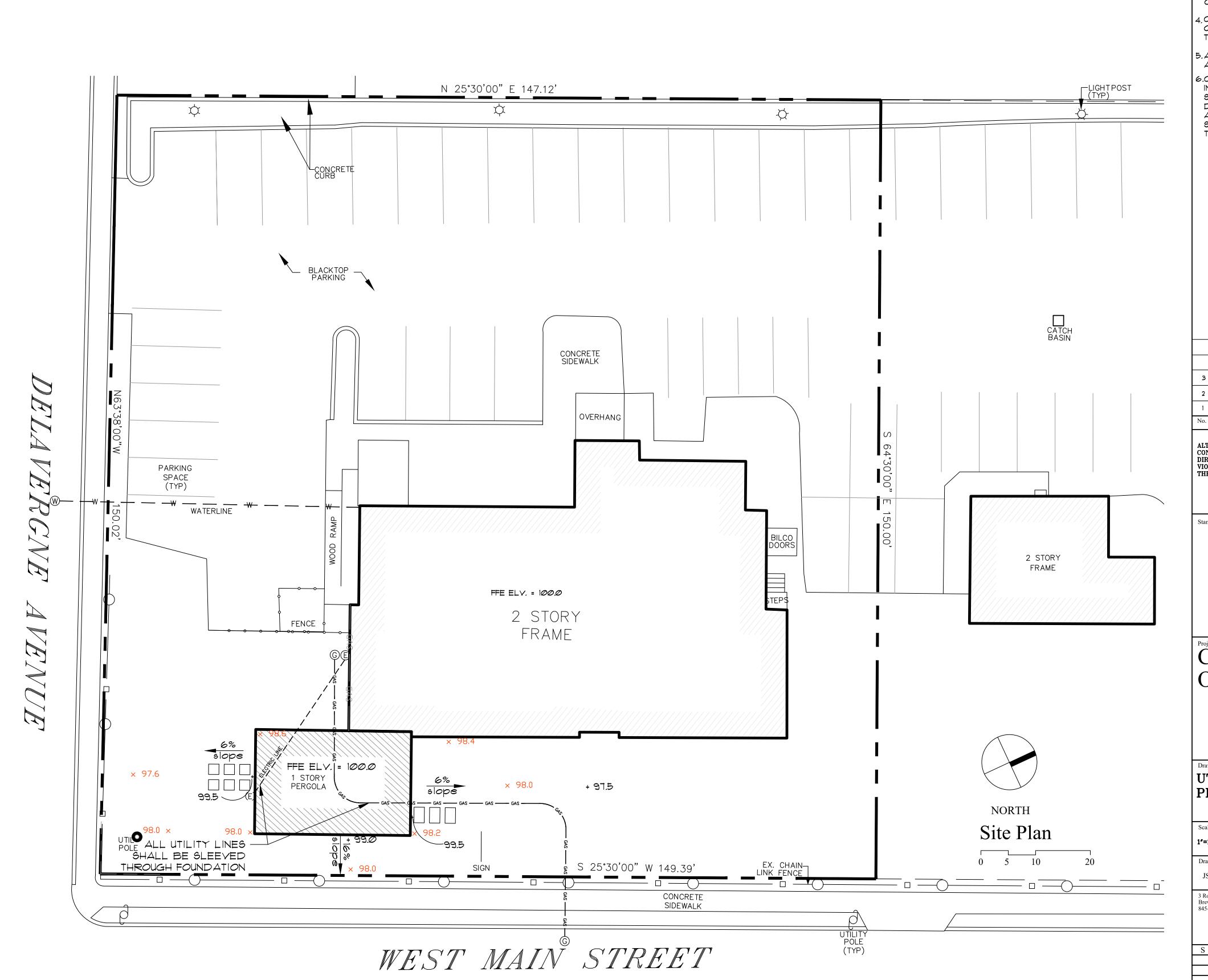
LLC 2590 RM S S ML. ERS DER MP ELAV

IOB NUMBER:

SHEET NUMBER:

AUGUST 16, 2022

AS NOTED



# LEGEND:

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— Е — Е —

 $\times$  99.8 EXISTING SPOT GRADE

— GAS — GAS — UTILITY LINES

+ 100.0 PROPOSED SPOT GRADE

- ALL GRADES ARE IN REFERENCE TO FINISHED FLOOR ELEVATION OF 100.0'
- 2. ALL GRADES SHOULD BE FIELD VERIFIED PRIOR TO PURCHASING OR INSTALLING ANY MATERIALS.
- 3. ALL BASE SURVEY INFORMATION IS COMPLIMENTARY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFY ALL INFORMATION PRIOR TO EXECUTION OF ANY WORK. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER BEFORE ANY ACTION TAKEN.
- 4. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS PRIOR TO BEGINNING CONSTRUCTION.
- 5.ALL PIPE CONNECTIONS SHALL BE IN A 'Y' CONFIGURATION.
- 6.CONTRACTOR SHALL EXCAYATE TO AREAS INDICATED TO EXPOSE BEDROCK AND SCULPT ROCK AND AREAS UNDER THE DIRECTION OF THE LANDSCAPE ARCHITECT. ALL WALL INSTALLATIONS SHALL BE UNDER THE DIRECTION OF THE STRUCTURAL ENGINEER.

3	10-27-22	RE-199UED FOR REVIEW
2	Ø8-15-22	RE-ISSUED FOR REVIEW
1	<i>0</i> 6- <i>0</i> 6-22	ISSUED FOR REVIEW

ALTERATIONS BY ANY PERSON IN ANY WAY, OR ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER DIRECTION OF THE LICENSED SEAL AFFIXED HERETO, IS A VIOLATION OF TITLE VIII ARTICLE 145 SECTION 7209.2 OF THE NEW YORK STATE EDUCATION LAW.



# Project Title CAMPILII OFFICE

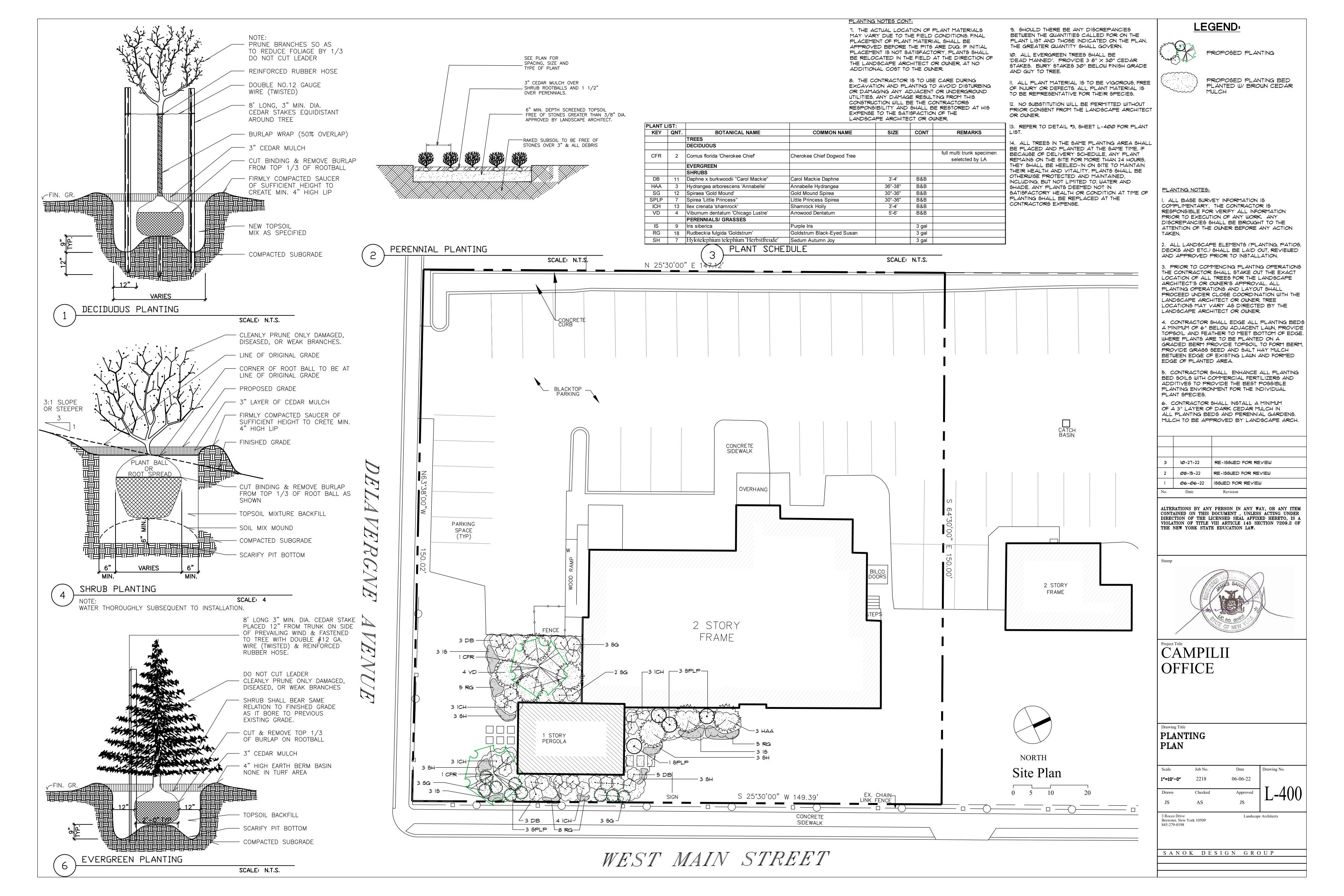
UTILITY AND GRADING PLAN

Scale	Job No.	Date	Drawing No.
1"=10'-0"	2218	06-06-22	
Drawn	Checked	Approved	1130
JS	AS	JS	

3 Rocco Drive Brewster, New York 10509 845-279-0198

Landscape Architects

SANOK DESIGN GROUP





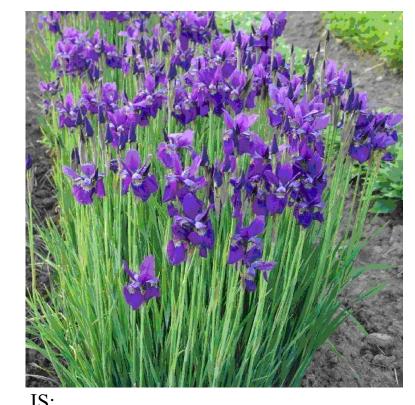
CORNUS FLORIDA 'CHEROKEE CHIEF CHEROKEE CHIEF DOGWOOD TREE EARLY SPRING BLOOM LATE SUMMER RED FRUIT FALL CRIMSON COLOR



DAPHNE x BURKWOODII 'CAROL MACKIE' CAROL MACKIE DAPHNE SEMI EVERGREEN

SPRING AND FALL FLOWER

FALL GRIMSON COLOR



IRIS SIBIRICA 'CAESAR'S BROTHER' CAESAR'S IRIS SPRING PURPLE FLOWERING PERENNIAL



RUDBECKIA FULGIDA VAR. SULLIVANTII 'GOLDSTURM' GOLDSTURM BLACK-EYED SUSAN SUMMER GOLDEN YELLOW FLOWERING PERENNIAL

SATISFACTORY HEALTH OR CONDITION AT TIME OF PLANTING SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.





PLANTING NOTES CONT:

AND GUY TO TREE.

OR OWNER.

9. SHOULD THERE BE ANY DISCREPANCIES BETWEEN THE QUANTITIES CALLED FOR ON THE PLANT LIST AND THOSE INDICATED ON THE PLAN,

'DEAD MANNED'. PROVIDE 3 8"  $\times$  30" CEDAR STAKES. BURY STAKES 30" BELOW FINISH GRADE

11. ALL PLANT MATERIAL IS TO BE VIGOROUS, FREE

OF INJURY OR DEFECTS. ALL PLANT MATERIAL IS TO BE REPRESENTATIVE FOR THEIR SPECIES.

12. NO SUBSTITUTION WILL BE PERMITTED WITHOUT PRIOR CONSENT FROM THE LANDSCAPE ARCHITECT

13. REFER TO DETAIL #3, SHEET L-400 FOR PLANT

14. ALL TREES IN THE SAME PLANTING AREA SHALL BE PLACED AND PLANTED AT THE SAME TIME. IF BECAUSE OF DELIVERY SCHEDULE, ANY PLANT

REMAINS ON THE SITE FOR MORE THAN 24 HOURS,

THEY SHALL BE HEELED-IN ON SITE TO MAINTAIN

THEIR HEALTH AND VITALITY, PLANTS SHALL BE

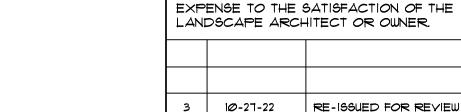
OTHERWISE PROTECTED AND MAINTAINED,

SHADE. ANY PLANTS DEEMED NOT IN

INCLUDING, BUT NOT LIMITED TO, WATER AND

THE GREATER QUANTITY SHALL GOVERN.

10. ALL EVERGREEN TREES SHALL BE



3	10-27-22	RE-166UED FOR REVIEW
2	Ø8-15-22	RE-ISSUED FOR REVIEW
1	<i>0</i> 6- <i>0</i> 6-22	ISSUED FOR REVIEW
No	Date	Revision

LEGEND:

1. ALL BASE SURVEY INFORMATION IS COMPLIMENTARY. THE CONTRACTOR IS

RESPONSIBLE FOR VERIFY ALL INFORMATION

. ALL LANDSCAPE ELEMENTS (PLANTING, PATIOS,

. PRIOR TO COMMENCING PLANTING OPERATIONS

THE CONTRACTOR SHALL STAKE OUT THE EXACT

PROCEED UNDER CLOSE COORDINATION WITH THE

CONTRACTOR SHALL EDGE ALL PLANTING BEDS

A MINIMUM OF 6" BELOW ADJACENT LAWN, PROVIDE

TOPSOIL AND FEATHER TO MEET BOTTOM OF EDGE.

GRADED BERM PROVIDE TOPSOIL TO FORM BERM PROVIDE GRASS SEED AND SALT HAY MULCH

. CONTRACTOR SHALL ENHANCE ALL PLANTING

BED SOILS WITH COMMERCIAL FERTILIZERS AND

ADDITIVES TO PROVIDE THE BEST POSSIBLE PLANTING ENVIRONMENT FOR THE INDIVIDUAL

6. CONTRACTOR SHALL INSTALL A MINIMUM

MULCH TO BE APPROVED BY LANDSCAPE ARCH.

THE ACTUAL LOCATION OF PLANT MATERIALS

MAY VARY DUE TO THE FIELD CONDITIONS. FINAL

APPROVED BEFORE THE PITS ARE DUG. IF INITIAL

THE LANDSCAPE ARCHITECT OR OWNER, AT NO

3. THE CONTRACTOR IS TO USE CARE DURING

CONSTRUCTION WILL BE THE CONTRACTORS

ADDITIONAL COST TO THE OWNER.

PLACEMENT IS NOT SATISFACTORY, PLANTS SHALL

BE RELOCATED IN THE FIELD AT THE DIRECTION OF

EXCAYATION AND PLANTING TO AVOID DISTURBING

RESPONSIBILITY AND SHALL BE RESTORED AT HIS

OR DAMAGING ANY ADJACENT OR UNDERGROUND UTILITIES. ANY DAMAGE RESULTING FROM THIS

PLACEMENT OF PLANT MATERIAL SHALL BE

OF A 3" LAYER OF DARK CEDAR MULCH IN ALL PLANTING BEDS AND PERENNIAL GARDENS.

BETWEEN EDGE OF EXISTING LAWN AND FORMED

LOCATION OF ALL TREES FOR THE LANDSCAPE

ARCHITECT'S OR OWNER'S APPROVAL. ALL

PLANTING OPERATIONS AND LAYOUT SHALL

LANDSCAPE ARCHITECT OR OWNER. TREE

WHERE PLANTS ARE TO BE PLANTED ON A

ANDSCAPE ARCHITECT OR OWNER.

EDGE OF PLANTED AREA.

PLANT SPECIES.

LOCATIONS MAY VARY AS DIRECTED BY THE

DECKS AND ETC.) SHALL BE LAID OUT, REVIEWED

PRIOR TO EXECUTION OF ANY WORK. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER BEFORE ANY ACTION

AND APPROVED PRIOR TO INSTALLATION.

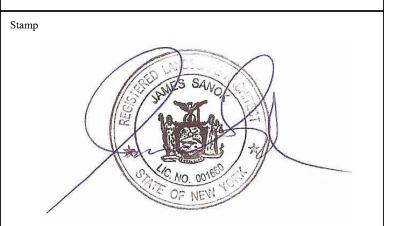
PLANTING NOTES:

PROPOSED PLANTING

PROPOSED PLANTING BED

PLANTED W/ BROWN CEDAR

VIOLATION OF TITLE VIII ARTICLE 145 SECTION 7209.2 O THE NEW YORK STATE EDUCATION LAW.



CAMPILII **OFFICE** 

PLANTING PLAN WITH PLANT DESCIPTION

Scale	Job No.	Date	Drawing No.
1"=10'-0"	2218	06-06-22	
Drawn	Checked	Approved	L <u>-401</u>
JS	AS	JS	

Landscape Architects

3 Rocco Drive Brewster, New York 10509

SANOK DESIGN GROUP



HYDRANGEA ARBORESCENS 'ANNABELLE' ANNABELLE HYDRANGEA ULY TO SEPTEMBER BLOOM FALL TO WINTER FLOWER HEADS DRY AND PROVIDES A STALKY WINTER TEXTURE



SPIREA 'LITTLE PRINCESS' LITTLE PRINCESS SPIREA GREEN LEAVES SUMMER SHOWY PINK FLOWER BLOOM FALL LEAF CHANGE TO CRIMSON RED WINTER STALKY TEXTURE



SPIREA 'GOLD MOUND' GOLD MOUND SPIREA

WINTER STALKY TEXTURE

MAY TO JUNE PINK FLOWERED BLOOM

FALL LEAF CHANGE TO DARKER GREEN

VIBURNUM DENTATUM 'CHICAGO LUSTRE' ARROWWOOD DENTATUM DARK GREEN LEAVES CRAEMY WHITE FLOWERS IN SPRING FOLLOWED BY MASSES OF ROYAL BLUISH-BLACK BERRIES RED LUSTROUS LEAVES TURN A GOOD FALL COLOR

