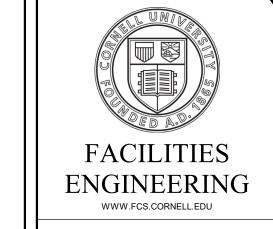


# PLEASANT GROVE GATEWAY SIGNAGE STRUCTURE

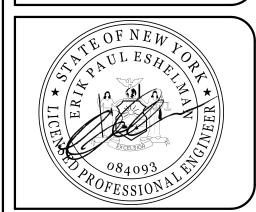


ARCHITECTURE, AND CIVIL, ELECTRICAL, ENVIRONMENTAL AND MECHANICAL ENGINEERING

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ITHACA, NEW YORK 14853-3701

MECHANICAL:



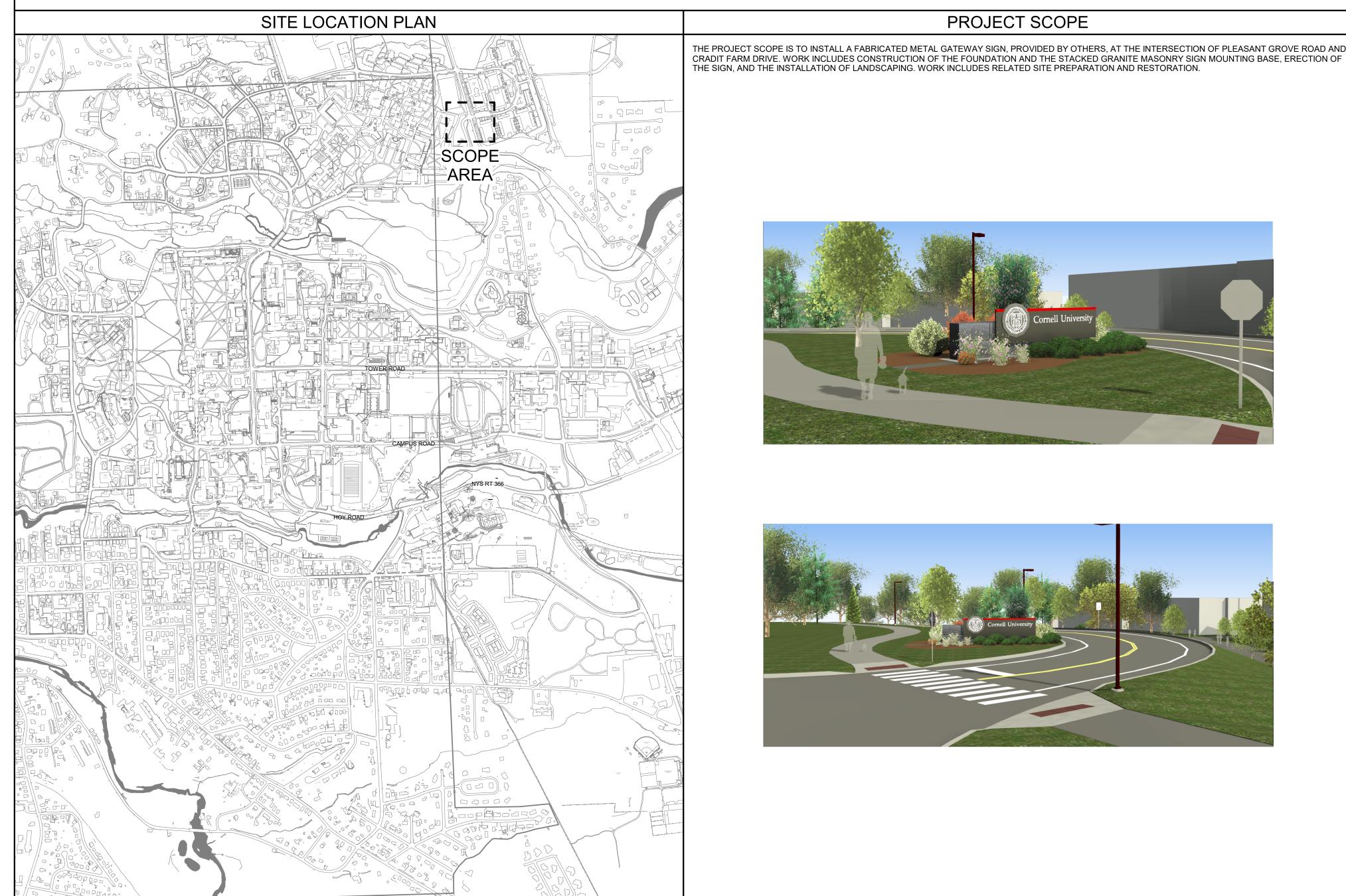
**REVISIONS** 

 1
 05/09/25
 ISSUE FOR DD REVIEW

 2
 06/24/25
 ISSUE FOR 95% REVIEW

 3
 10/20/25
 ISSUE FOR COORDINATED REVIEW

 4
 10/28/25
 ISSUE FOR CONSTRUCTION



Cornell University	



GENERAL T-001	TITLE SHEET	
CIVIL		
C-001	NOTES, LEGENDS AND ABBREVIATIONS	
C-101	SITE PLAN, PLANTING PLAN, AND DETAILS	
C-301	DETAILS	

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( ) ( X-100	ENLARGED DETA	NIL .		
#	CONSTRUCTION	KEYED NOTE		
#)	DEMOLITION KEY	'ED NOTE		UDIG-NY SAFE DIGGING STATTS HERE
<u>/</u> #\	DRAWING REVISI	ION NOTE		
	LINETYPE: EXISTI	ING TO REMAIN		
	LINETYPE: DEMO	LITION / TO BE RELO	CATED	

LINETYPE: TO BE PROVIDED / NEW

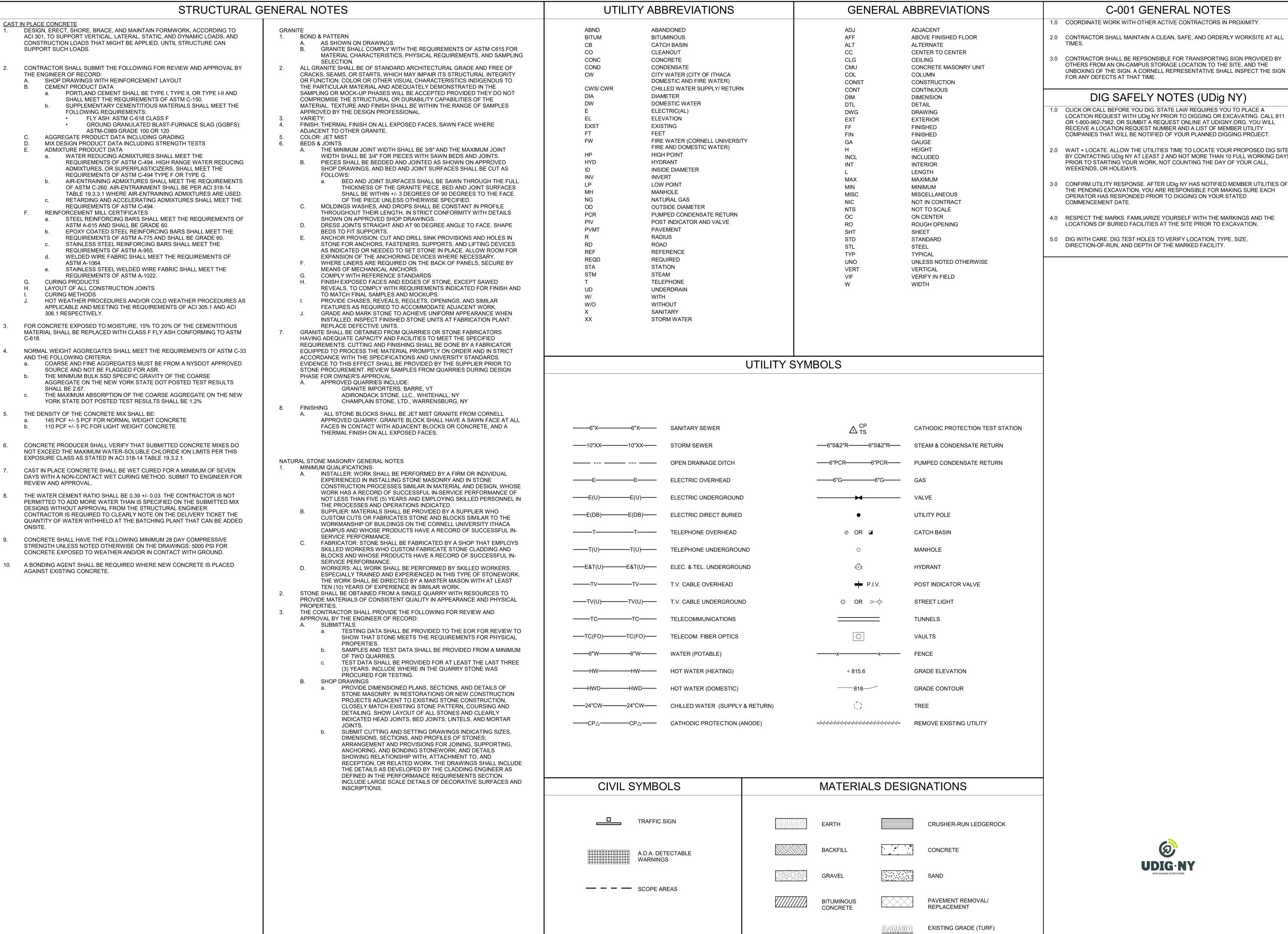
PLEASANT
GROVE
GATEWAY
SIGNAGE
STRUCTURE

ITHACA, NEW YORK 14850

DATE:	OCTOBER 28, 2025
FACILITY:	2661
DESIGN:	FE DESIGN
DRAWN:	EWK

TITLE SHEET

17333915



C-001 GENERAL NOTES

1.0 COORDINATE WORK WITH OTHER ACTIVE CONTRACTORS IN PROXIMITY.

2.0 CONTRACTOR SHALL MAINTAIN A CLEAN, SAFE, AND ORDERLY WORKSITE AT ALL

3.0 CONTRACTOR SHALL BE REPSONSIBLE FOR TRANSPORTING SIGN PROVIDED BY OTHERS FROM AN ON-CAMPUS STORAGE LOCATION TO THE SITE, AND THE

#### DIG SAFELY NOTES (UDig NY)

1.0 CLICK OR CALL BEFORE YOU DIG. STATE LAW REQUIRES YOU TO PLACE A LOCATION REQUEST WITH UDig NY PRIOR TO DIGGING OR EXCAVATING, CALL 811 OR 1-800-962-7962, OR SUMBIT A REQUEST ONLINE AT UDIGNY.ORG. YOU WILL RECEIVE A LOCATION REQUEST NUMBER AND A LIST OF MEMBER UTILITY COMPANIES THAT WILL BE NOTIFIED OF YOUR PLANNED DIGGING PROJECT.

2.0 WAIT + LOCATE. ALLOW THE UTILITIES TIME TO LOCATE YOUR PROPOSED DIG SITE BY CONTACTING UDig NY AT LEAST 2 AND NOT MORE THAN 10 FULL WORKING DAYS PRIOR TO STARTING YOUR WORK, NOT COUNTING THE DAY OF YOUR CALL, WEEKENDS, OR HOLIDAYS.

3.0 CONFIRM UTILITY RESPONSE. AFTER UDIG NY HAS NOTIFIED MEMBER UTILITIES OF THE PENDING EXCAVATION, YOU ARE RESPONSIBLE FOR MAKING SURE EACH OPERATOR HAS RESPONDED PRIOR TO DIGGING ON YOUR STATED COMMENCEMENT DATE.

4.0 RESPECT THE MARKS. FAMILIARIZE YOURSELF WITH THE MARKINGS AND THE LOCATIONS OF BURIED FACILITIES AT THE SITE PRIOR TO EXCAVATION.

5.0 DIG WITH CARE. DIG TEST HOLES TO VERIFY LOCATION, TYPE, SIZE, DIRECTION-OF-RUN, AND DEPTH OF THE MARKED FACILITY.

**ENGINEERING** WWW.FCS.CORNELL.EDU ARCHITECTURE, AND CIVIL,

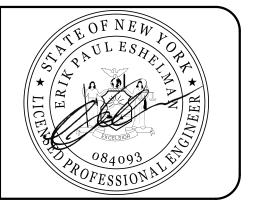
ELECTRICAL, ENVIRONMENTAL AND MECHANICAL ENGINEERING 201 HUMPHREYS SERVICE BLDG. ITHACA. NEW YORK 14853-3701

#### WARNING

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W ARCH/ CIVIL: ELECTRICAL:

MECHANICAL:



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ITHACA, NEW YORK 14850

PLEASANT GROVE **GATEWAY** SIGNAGE **STRUCTURE** 

DATE: OCTOBER 28, 2025

FACILITY: 2661

DESIGN: J. TOFTE

DRAWN: EWK

NOTES, LEGENDS AND **ABBREVIATIONS** 

C-001

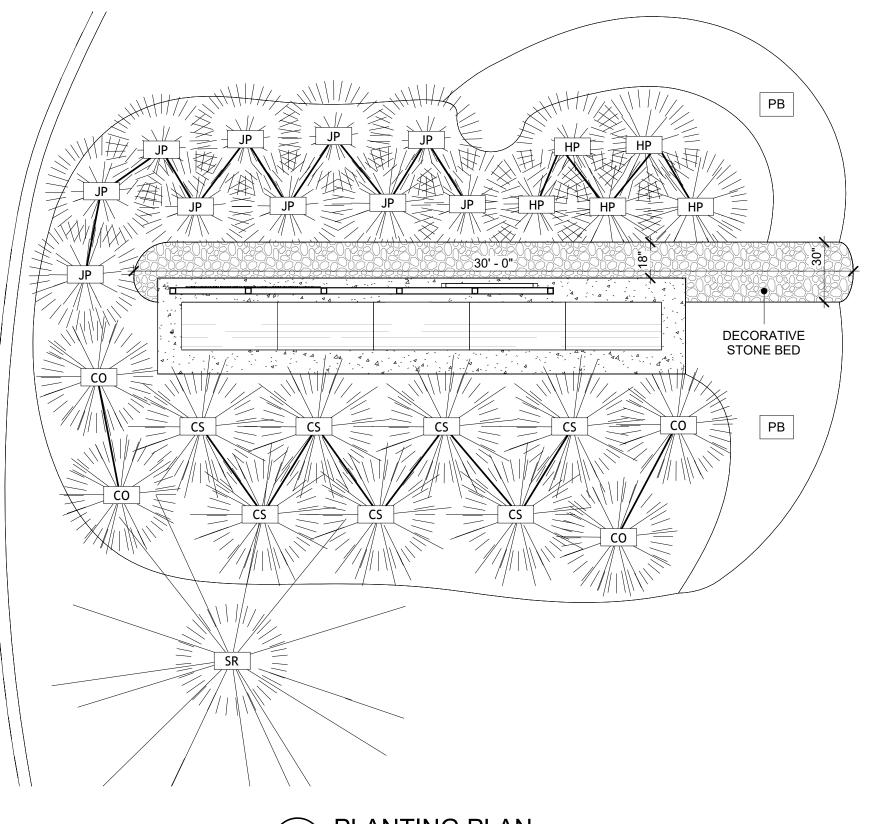
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- PLANT SO THAT THE ROOT FLARE IS AT OR SLIGHTLY ABOVE ADJACENT FINISHED LANDSCAPE GRADE. NO SHREDDED BARK OR WOOD CHIPS TO LAY AGAINST COLLAR OF SHRUB OR TREE -- ROPES OR WIRE AT TOP OF BALL SHALL BE CUT: REMOVE TOP 1/3 OF BURLAP. REMOVE ALL WIRE OR ANY NON-BIODEGRADABLE MATERIAL. 3" +/- 1" SHREDDED BARK MULCH -IF CONTAINER OR POT GROWN, REMOVE ENTIRE COVERING. - SPADED BED EDGE - SPECIFIED PLANTING MIXTURE SCARIFY SIDES AND BOTTOM OF BED PIT 4" TO PREVENT GLAZING OF SUBGRADE - EXISTING SUBGRADE NOTES:
1.0 DETAIL APPLIES TO ALL SHRUBS AND PERENNIALS PLANTED CONTIGUOUSLY IN BEDS. 2.0 CUT ANY CIRCLING ROOTS AND TEASE APART ROOTS OF POT BOUND CONTAINERIZED PLANTS. 3.0 DO NOT USE TREATED BURLAP.

LAWN AREA- SEEDING DETAIL



PLANTING SCHEDULE				
СО	CEPHALANTHUS OCCIDENTALIS 'SUGAR SHACK'	SUGAR SHACK BUTTONBUSH	QTY. 4	
CS	CORNUS STOLONIFERA 'ARTIC FIRE'	ARTIC FIRE DOGWOOD	QTY. 7	
HP	HYDRANGEA PANICULATA 'BOBO'	BOBO HYDRANGEA	QTY. 5	
JP	JUNIPERUS HORIZONTALIS 'PLUMOSA'	ANDORRA JUNIPER	QTY. 10	
SR	SYRINGA RETICULATA	TREE LILAC	QTY. 1	
PB	PERENNIAL BED	BULBS, GRASSES, AND PERENNIALS	50 SF	



PLANTING PLAN

SCALE: 1/4" = 1'-0"



1 EXCAVATE AS REQUIRED FOR CONCRETE SIGNAGE BASE. SEE SHEET C-301.

## C-101 KEYED IMPROVEMENT NOTES

1 PROVIDE CONCRETE SIGN FOUNDATION, GRANITE BLOCKS, AND ASSOCIATED MASONRY WORK INCLUDING RODS AND MOUNTING HARDWARE, AND INSTALL SIGN PROVIDED BY CORNELL PER DETAILS ON C-301. APPROXIMATE LOCATION SHOWN. FINAL SIGN LOCATION AND ORIENTATION TO BE VERIFIED AND APPROVED IN FEILD BY THE OFFICE OF THE UNIVERSITY ARCHITECT DURING CONSTRUCTION STAKEOUT BEFORE PLACING SIGN FOUNDATION.

- 2 ALL STONE BLOCKS SHALL BE JET MIST GRANITE FROM CORNELL-APPROVED QUARRY, WHICH INCLUDES GRANITE IMPORTERS, BARRE, VT, ADIRONDACK STONE, LLC., WHITEHALL, NY, AND CHAMPLAIN STONE, LTD., WARRENBURG, NY. GRANITE BLOCKS SHALL HAVE A SAWN FINISH ON ALL FACES IN CONTACT WITH ADJACENT BLOCKS OR CONCRETE, AND A ROUGHER THERMAL FINISH ON ALL EXPOSED FACES
- 3 PROVIDE DECORATIVE STONE BED, MULCHED PLANTING BED, AND PLANTINGS AS SHOWN IN DETAILS 2 AND 3/ C-101.
- SHOWN IN DETAILS 2 AND 3/ C-101.

  4 RESTORE DISTURBED LAWN AREAS TO PRE-CONSTRUCTION CONDITION PER

### SOILS AND PLANTING MATERIALS NOTES

#### 1.1 IMPORTED TOPSOIL

DETAIL 4/ C-101.

A. IMPORTED TOPSOIL DEFINITION: FERTILE, FRIABLE SOIL CONTAINING LESS THAN 5% TOTAL VOLUME OF THE COMBINATION OF SUBSOIL, REFUSE, ROOTS LARGER THAN 1 INCH DIAMETER, HEAVY, STICKY OR STIFF CLAY, STONES LARGER THAN 2 INCHES IN DIAMETER, NOXIOUS WEED SEEDS, STICKS, BRUSH, LITTER, OR ANY SUBSTANCES DELETERIOUS TO PLANT GROWTH. THE PERCENT (%) OF THE ABOVE OBJECTS SHALL BE CONTROLLED BY SOURCE SELECTION NOT BY SCREENING THE SOIL. TOPSOIL SHALL BE SUITABLE FOR THE GERMINATION OF SEEDS AND THE SUPPORT OF VEGETATIVE GROWTH. IMPORTED TOPSOIL SHALL NOT CONTAIN WEED SEEDS IN QUANTITIES THAT CAUSE NOTICEABLE WEED INFESTATIONS IN THE FINAL PLANTING BEDS. IMPORTED TOPSOIL SHALL MEET THE FOLLOWING PHYSICAL AND CHEMICAL CRITERIA:

SOIL TEXTURE: USDA LOAM, SANDY CLAY LOAM OR SANDY LOAM WITH CLAY CONTENT BETWEEN 15 AND 25% AND A COMBINED CLAY/SILT

CONTENT OF NO MORE THAN 55%.
2. PH VALUE SHALL BE BETWEEN 5.5 AND 8.0.

PERCENT ORGANIC MATTER (OM): 3.0-5.0%, BY DRY WEIGHT.
 SOLUBLE SALT LEVEL: LESS THAN 1.5 MMHO/CM.
 SOIL CHEMISTRY SUITABLE FOR GROWING THE PLANTS SPECIFIED.

B. IMPORTED TOPSOIL SHALL BE A HARVESTED SOIL FROM FIELDS OR DEVELOPMENT SITES. THE ORGANIC CONTENT AND PARTICLE SIZE DISTRIBUTION SHOULD BE THE RESULT OF NATURAL SOIL FORMATION. THE OWNER'S REPRESENTATIVE WILL REVIEW ANY PROCESS REQUIRED TO ADD

ORGANIC MATERIALS TO MEET THE SPECIFICATION.

C. IMPORTED TOPSOIL FOR PLANTING SOIL SHALL NOT HAVE BEEN SCREENED AND SHALL RETAIN SOIL PEDS OR CLODS LARGER THAN 2 INCHES IN DIAMETER

THROUGHOUT THE STOCKPILE AFTER HARVESTING.

D. STOCKPILED EXISTING TOPSOIL AT THE SITE MEETING THE ABOVE CRITERIA MAY BE ACCEPTABLE.

E. PROVIDE A TWO GALLON SAMPLE FROM EACH IMPORTED TOPSOIL SOURCE WITH REQUIRED SOIL TESTING RESULTS. THE SAMPLE SHALL BE A MIXTURE OF THE RANDOM SAMPLES TAKEN AROUND THE SOURCE STOCKPILE OR FIELD. THE SOIL SAMPLE SHALL BE DELIVERED WITH SOIL PEDS INTACT THAT REPRESENT THE SIZE AND QUANTITY OF EXPECTED PEDS IN THE FINAL DELIVERED SOIL.

#### 1.2 PLANTING SOIL MIXES

A. CORNELL STANDARD PLANTING SOIL MIX IS APPROXIMATELY A1:1:1 RATIO

BY VOLUME OF LOAM SOIL, SAND AND ORGANIC MATTER.

B. UNIFORMLY MIX INGREDIENTS BY WINDROWING/TILLING ON AN APPROVED HARD SURFACE AREA. ORGANIC MATTER SHALL BE MAINTAINED MOIST, NOT WET, DURING MIXING. AMENDMENTS SHALL NOT BE ADDED UNLESS APPROVED TO EXTENT AND QUANTITY BY THE OWNERS REPRESENTATIVE AND ADDITIONAL TESTS HAVE BEEN CONDUCTED TO VERIFY TYPE AND QUANTITY OF AMENDMENT IS ACCEPTABLE. PERCENTAGES OF COMPONENTS, UNLESS OTHERWISE NOTED, WILL BE ESTABLISHED UPON COMPLETION OF INDIVIDUAL TEST RESULTS FOR COMPONENTS OF

THE VARIOUS MIXES.

C. AFTER THE SOIL SCIENTIST DETERMINES COMPONENT PERCENTAGES, EACH PLANTING SOIL MIX SHALL BE TESTED FOR PHYSICAL AND CHEMICAL ANALYSIS.

D. TOPSOIL SHALL BE CREATED FROM COMBINATIONS OF SUBSOIL MIXED WITH VARYING AMOUNTS OF ORGANIC AMENDMENT. ALL ORGANIC MATTER CONTENTS SHALL BE DETERMINED ON A DRY WEIGHT BASIS.

1. SAND: 70-75% BY WEIGHT.

ORGANIC MATTER: 5-8% BY WEIGHT.

SILT AND CLAY: 20 - 40% BY WEIGHT. SILT CONTENT MUST BE LESS THAN 3 TIMES THE CLAY CONTENT.



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ELECTRICAL: \_\_\_\_



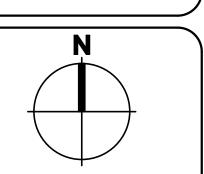
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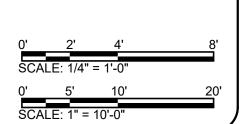
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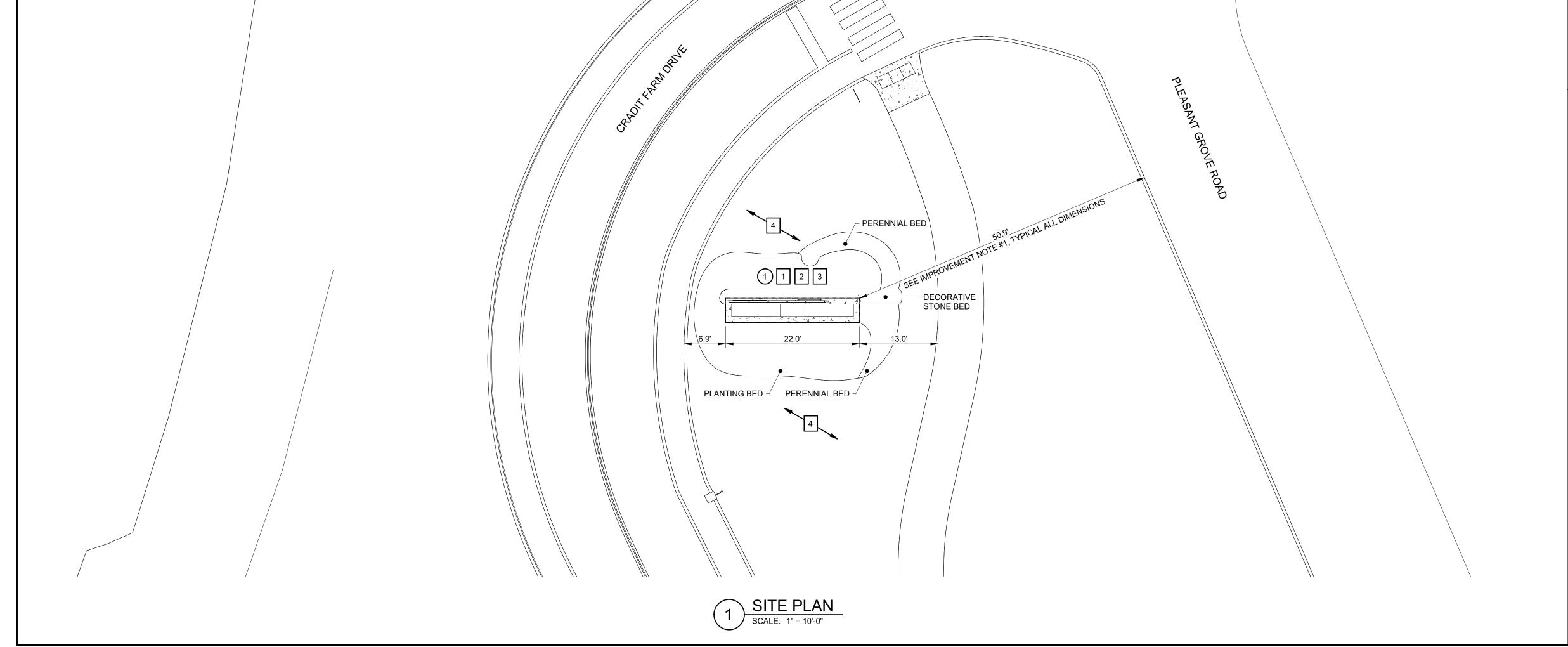
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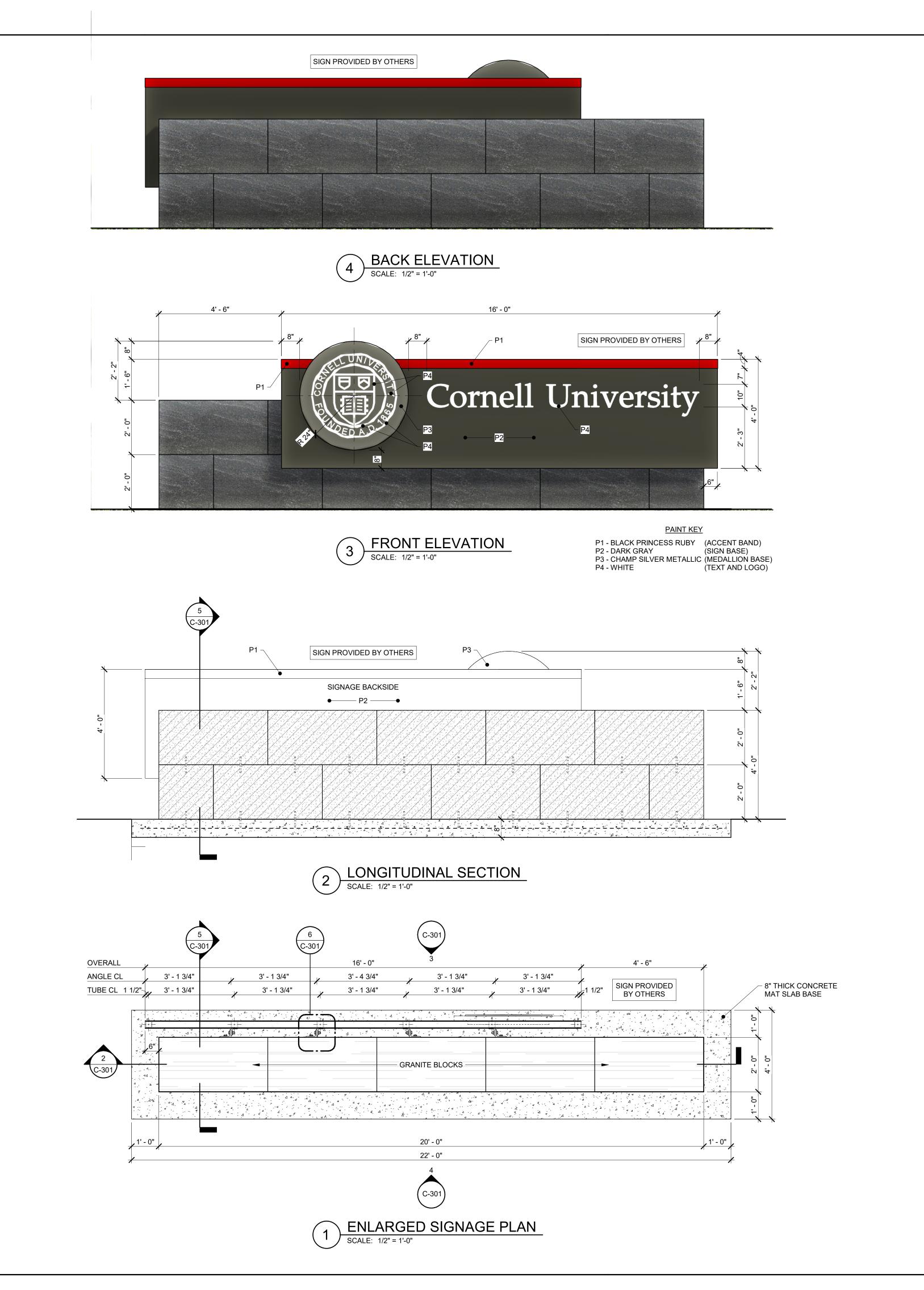
SITE PLAN, PLANTING PLAN,

AND DETAILS

**C-101** 17333915



UDIG-NY
SAFE DIGGING STARTS HERE



TAMPER-PROOF

SECURITY BOLTS

PROVIDED BY CONTRACTOR -

1/2"Ø TYPE 316 SS THREADED ROD

EMBEDDED 3" MIN. INTO STONE W/ HILTI RE 500 V3 EPOXY, TYPICAL-

PROVIDED BY CONTRACTOR -

MEDALLION WITH

4"x1/8" ACCENT BAND AT SIGN TOP AND SIDES -

MOUNTED LOGO BEYOND -

SIGN PROVIDED BY OTHERS

FULLY WELDED 3"x3"x1/4"

WRAPPED W/ 11 GA. ALUM.

ALUM. ATTACHMENT ANGLES:

(4) L3x3-1/2x1/2 x 28" BY OTHERS -ORIENTATION AND SPACING

SQUARE TUBE FRAME

SHEETING BOTH SIDES -

(4) L5x3-1/2x1/2 x 28" &

AS INDICATED ON PLAN -

TAMPER-PROOF SECURITY BOLTS PROVIDED BY

NON-SHRINK

BROOM FINISH -

LEVELING GROUT -

CONTRACTOR, TYPICAL

6" DEEP MULTICOLORED,

DECORATIVE, CLEAN, AND

UNIFORMLY-SIZED #1 STONE

ON DRAINAGE GEOTEXTILE -

PROVIDE 6" NYSDOT TYPE 2 SUBBASE COURSE COMPACTED TO 95% OF STANDARD PROCTOR, PLACED ON A WOVEN STABILIZATION GEOTEXTILE —

ALUM. L5x3-1/2x1/2 x 28" PROVIDED BY OTHERS - SIGN PROVIDED

BY OTHERS

GRANITE BLOCKS -

ATTACHMENT ANGLE DETAIL

**CROSS SECTION** 

- ALUM. L3x3-1/2x1/2 x 28" WELDED TO SIGN BACK-PROVIDED BY OTHERS

SEE PLAN FOR ATTACHMENT ANGLE

SEE NOTES ON DETAIL #5 ON THIS

SHEET FOR FASTENER INFORMATION

NOTES:

1. ALL FASTENERS JOINING DISSIMILAR
METALS SHALL UTILIZE MARINE-GRADE

SLEEVES, SPACERS, OR WASHERS TO ISOLATE COMPONENTS AND PREVENT CORROSION. SUBMIT PRODUCT DATA TO EOR FOR REVIEW AND APPROVAL.

2. ALL BOLT HOLES WILL BE SLOTTED AND

OVERSIZED ACCORDINGLY TO ALLOW

FOR THE USE OF THESE FASTENERS,

AND TO PROVIDE ADJUSTABILITY

← 1/2"Ø TYPE 316 SS THREADED RODS

EMBEDDED 3" MIN. INTO STONE W/

- 7"L x 1/2"Ø TYPE 316 SS THREADED RODS EMBEDDED 3" MIN. INTO STONE AND CONCRETE SLAB W/ HILTI RE 500 V3 EPOXY, TYPICAL- CONTRACTOR'S OPTION TO CAST INTO CONCRETE INSTEAD OF POST INSTALL-

PROVIDED BY CONTRACTOR

PROVIDED BY CONTRACTOR

- 8" THICK CONCRETE MAT SLAB W/

#4 REINF. BARS @ 15" OC EACH WAY-

PLANTING BED

HILTI RE 500 V3 EPOXY, TYPICAL-PROVIDED BY CONTRACTOR

DURING INSTALLATION.

ORIENTATION AND SPACING

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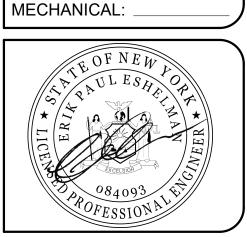
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0' 1' 2' 4'

SCALE: 1/2" = 1'-0"

0' 3" 6" 1' 1.5'

SCALE: 1 1/2" = 1'-0"

0' 1.5" 3" 6" 9"

SCALE: 3" = 1'-0"

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DETAILS

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