

Human Ecology Building & Warren Hall Pedestrian Access Path Improvements

Cornell University
Ithaca, NY 14853

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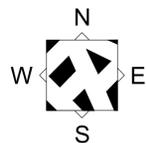


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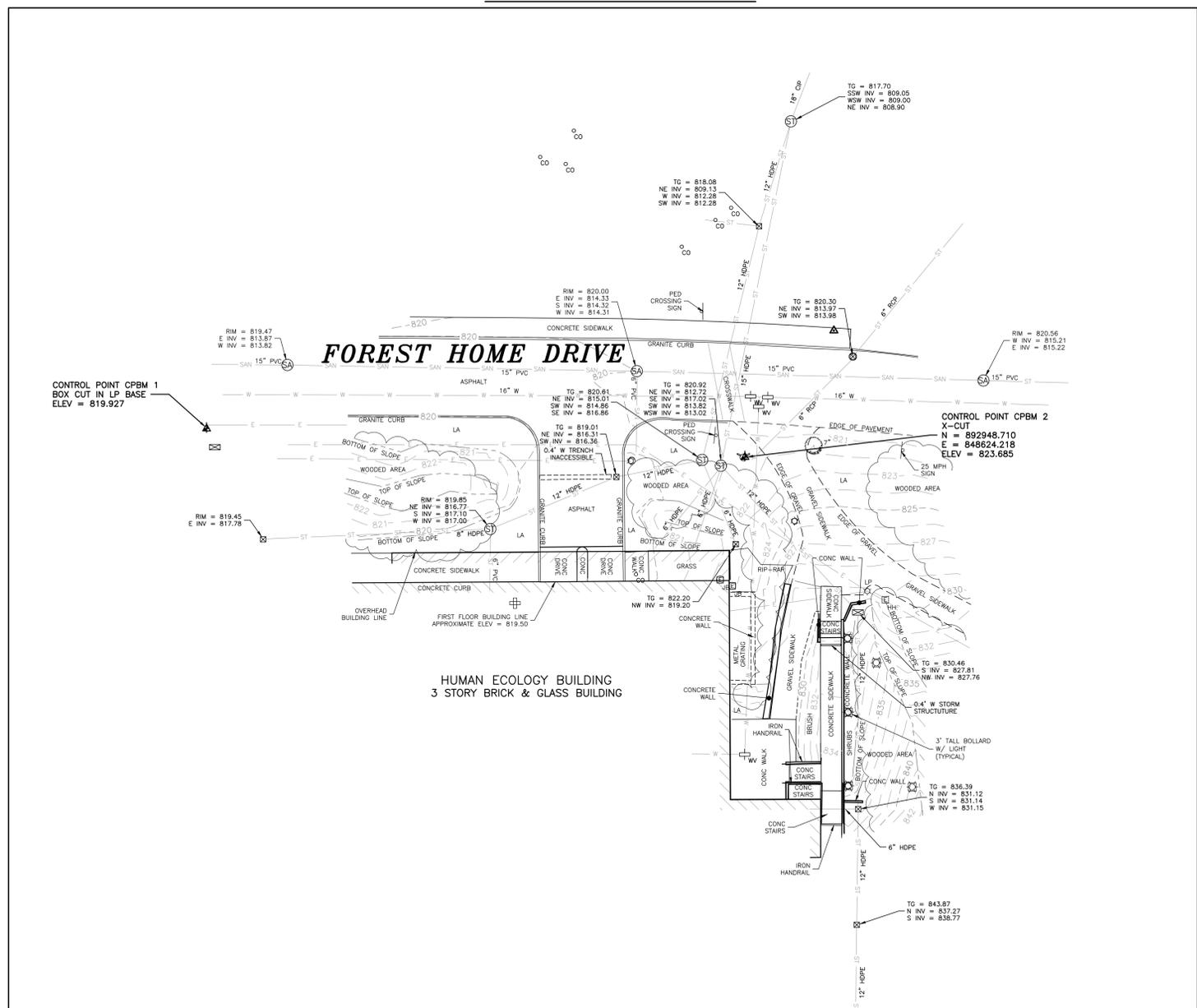
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PROJ. NO.	24.010
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COVER

L0.0



HUMAN ECOLOGY BUILDING



ABBREVIATIONS:

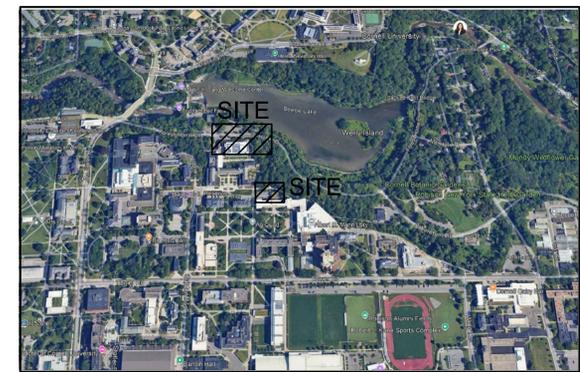
- CONC CONCRETE
- LA LANDSCAPE AREA

LEGEND:

- △ BASELINE POINT
- ≡ BENCH
- ▲ BENCHMARK
- CLEANOUT (SEWER)
- ⊕ COMMUNICATION MANHOLE
- ⊙ CONIFEROUS TREE
- ⊙ DECIDUOUS TREE
- ⊙ DRAINAGE MANHOLE (STORM)
- ⊙ DRAINAGE STRUCTURE
- ⊙ DRAINAGE STRUCTURE (ROUND)
- ⊙ DRAINAGE STRUCTURE (SQUARE)
- ⊙ ELECTRIC HANDHOLE
- ⊙ ELECTRIC JUNCTION BOXES
- ⊙ FIRE HYDRANT
- ⊙ POLE W/ LIGHT
- ⊙ SEWER MANHOLE (SANITARY)
- ⊙ SIGN - 1 POST
- ⊙ SIGN - 2 POST
- ⊙ SPRINKLER HEAD
- ⊙ TELEPHONE MANHOLE
- ⊙ UNKNOWN MANHOLE
- ⊙ UNKNOWN UTILITY VALVE
- ⊙ WATER VALVE
- ⊙ "X" CUT (FOUND)
- ⊙ YARD LIGHT

SURVEY LINE TYPES:

- CONTOUR (MINOR)
- CONTOUR (MAJOR)
- EDGE OF PAVEMENT
- PAVEMENT STRIPE
- SLOPE - TOP/BOTTOM
- ELECTRIC LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- WATER LINE



VICINITY MAP
NOT TO SCALE

NOTES:

THIS MAP IS BASED ON A FIELD SURVEY COMPLETED ON 12/13/2024.
COORDINATES ARE REFERENCED TO THE NEW YORK STATE PLANE COORDINATE SYSTEM CENTRAL ZONE, NAD 83.
ELEVATIONS ARE REFERENCED TO THE NAVD 88 VERTICAL DATUM.

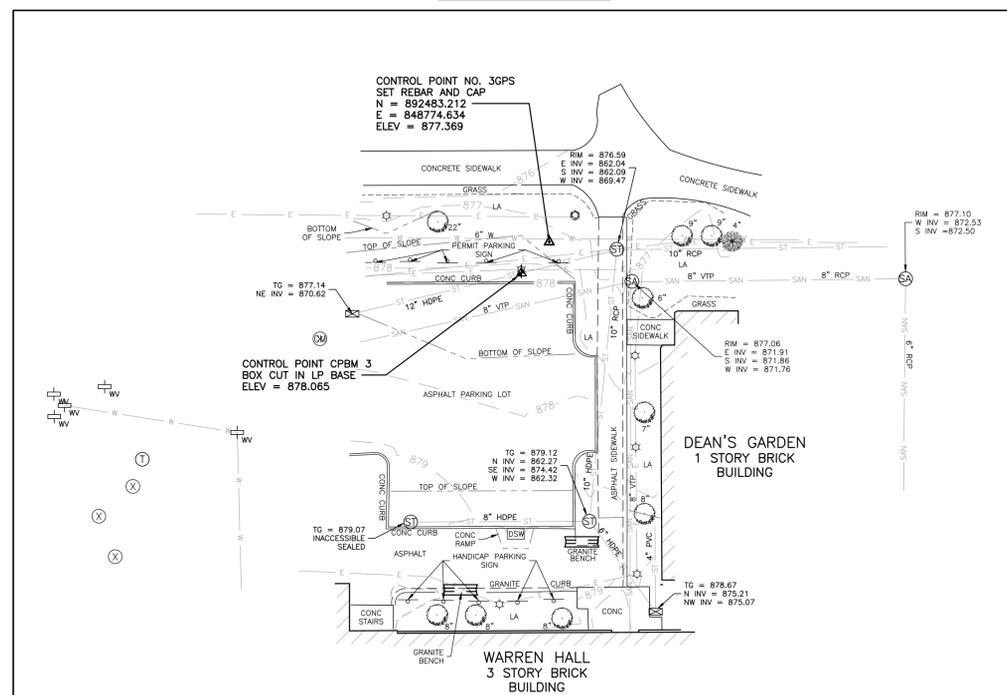
ALL UNDERGROUND UTILITIES ARE DEPICTED AT SUE "QUALITY LEVEL C" AND HAVE BEEN LOCATED FROM FIELD SURVEY AND RECORD INFORMATION PROVIDED. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN AT QUALITY LEVEL C ARE IN THE EXACT LOCATION INDICATED, ALTHOUGH THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM RECORD INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES. IT IS THE CLIENTS' RESPONSIBILITY TO VERIFY THE LOCATION OF ALL UTILITIES (WHETHER SHOWN OR NOT) AND TO PROTECT SAID UTILITIES FROM ANY DAMAGE.

THE FOLLOWING UTILITY COMPANIES WERE REQUESTED VIA UDIG NY REQUEST # 12094-001-219 TO PROVIDE THE SURVEYOR THE LOCATION OF THEIR UNDERGROUND FACILITIES WITHIN THE LIMITS OF THIS SURVEY:

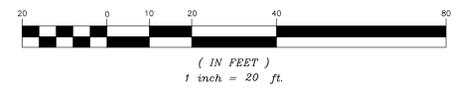
UTILITY COMPANY / AGENCY	FACILITY	RESPONDED	AFFECTED
CITY OF ITHACA WATER & SEWER	SANITARY SEWER, STORM SEWER, WATER	YES	NO
CORNELL UNIVERSITY	ALL	YES	YES
NYSEG ITHACA GAS	GAS	YES	YES
VERIZON SYRACUSE	FIBER, PHONE	YES	YES

UNAUTHORIZED ALTERATION OR ADDITION TO ANY SURVEY, DRAWING, DESIGN, SPECIFICATION, PLAN OR REPORT IS A VIOLATION OF SECTION 7209, PROVISION 2 OF THE NEW YORK STATE EDUCATION LAW. ONLY COPIES FROM THE ORIGINAL OF THIS SURVEY MAP MARKED WITH AN ORIGINAL OF THE LAND SURVEYOR'S EMBOSSED SEAL AND SIGNATURE SHALL BE CONSIDERED TO BE VALID TRUE COPIES.

WARREN HALL



GRAPHIC SCALE



TOPOGRAPHIC SURVEY

HUMAN ECOLOGY BUILDING & WARREN HALL
PEDESTRIAN PATH IMPROVEMENTS
CORNELL UNIVERSITY, COUNTY OF ITHACA
STATE OF NEW YORK



Revision Number	Revision Date

Date	11/14/2025	Project Manager	R. GARFINKEL
Drawn By	L.MCAFEE	Checked By	S.SHEPHERD
Project	240203.00		
Sheet	1 of 1		

V-101

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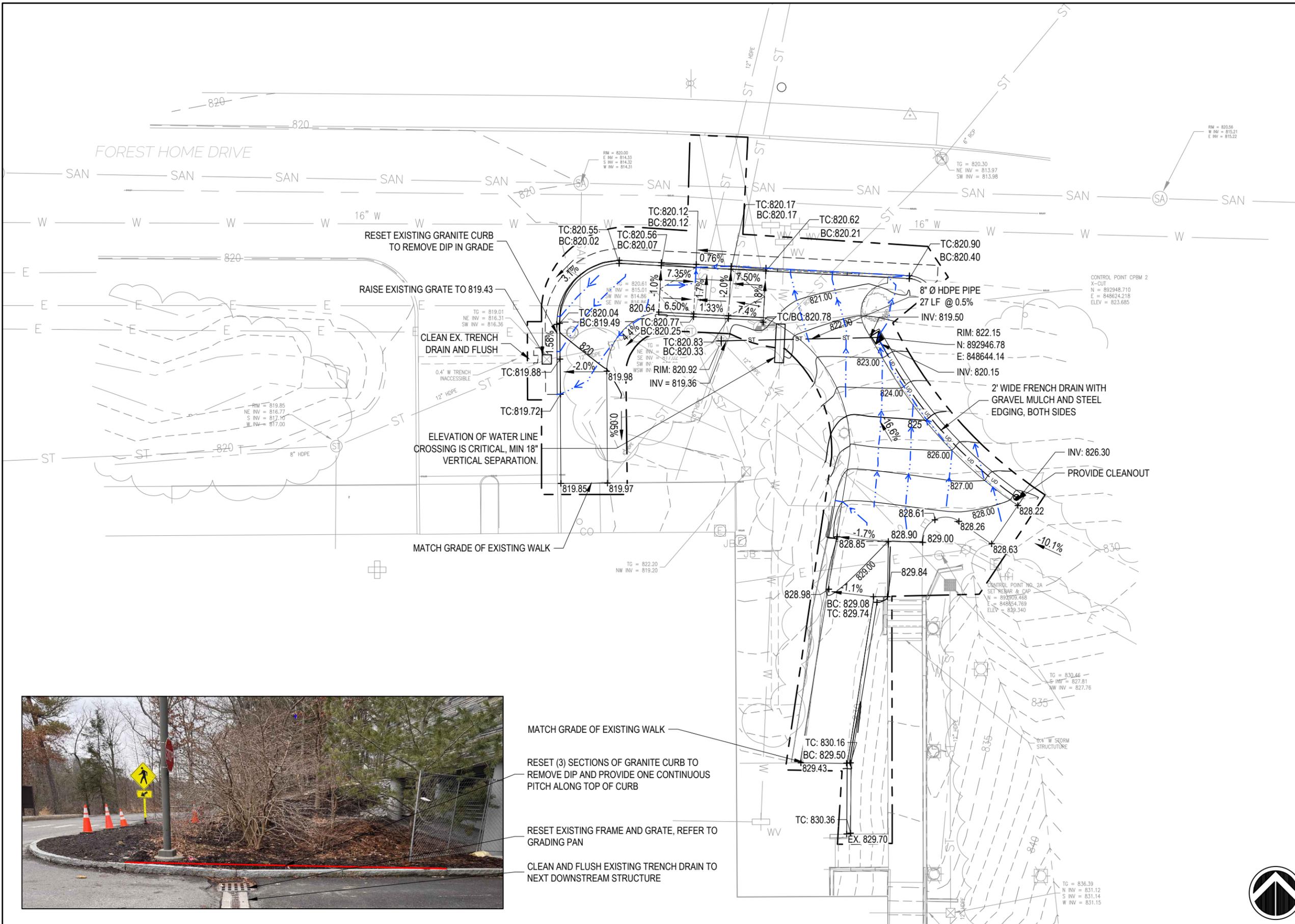


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**HEB GRADING
PLAN**

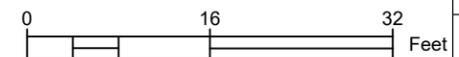
L2.2



1 VIEW OF EXISTING CURB AND CATCH BASIN AT GARAGE ENTRANCE
Not to Scale

- MATCH GRADE OF EXISTING WALK
- RESET (3) SECTIONS OF GRANITE CURB TO REMOVE DIP AND PROVIDE ONE CONTINUOUS PITCH ALONG TOP OF CURB
- RESET EXISTING FRAME AND GRATE, REFER TO GRADING PAN
- CLEAN AND FLUSH EXISTING TRENCH DRAIN TO NEXT DOWNSTREAM STRUCTURE

2 GRADING PLAN
1/16" = 1'-0"





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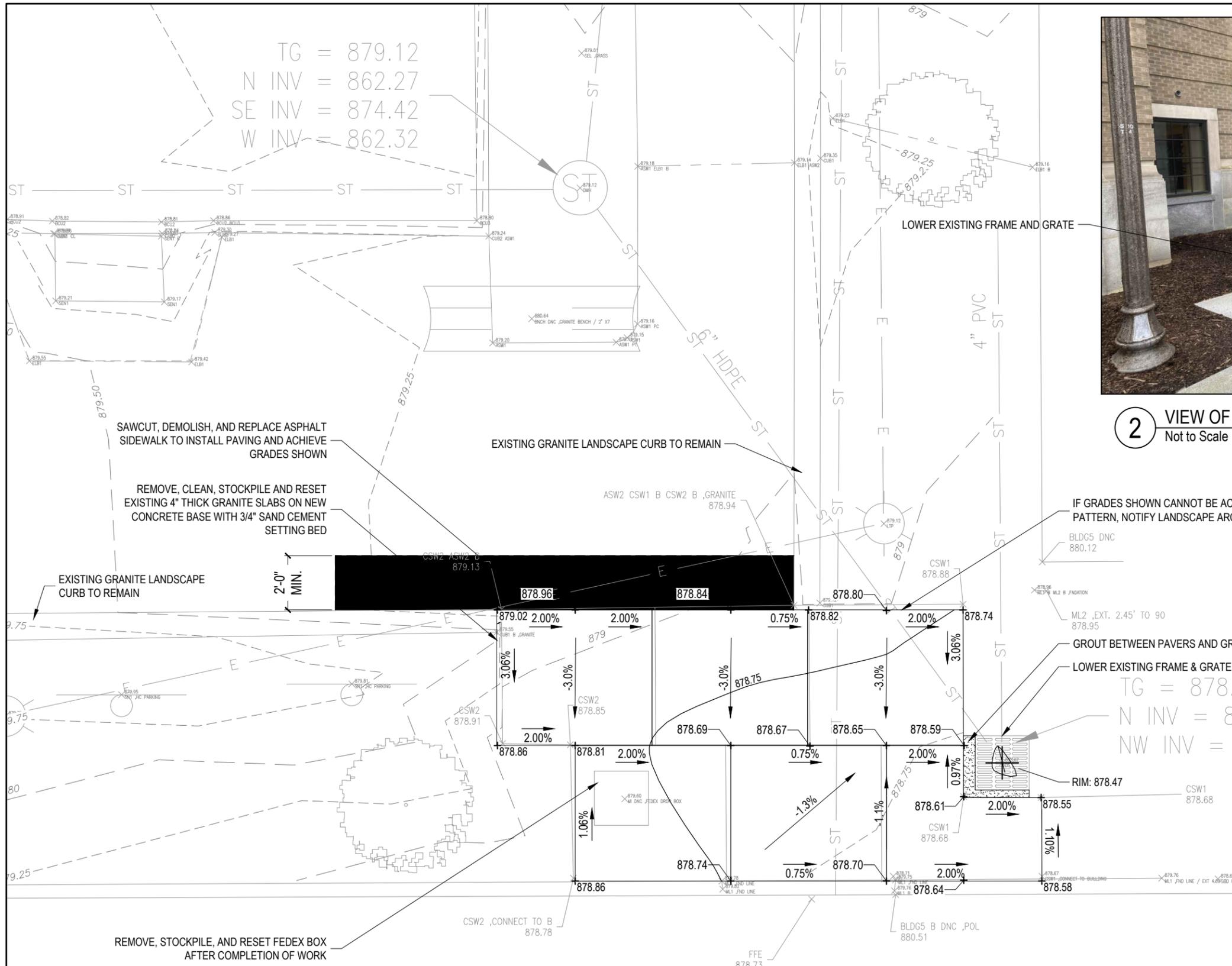
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**WARREN
LAYOUT &
GRADING PLAN**

L3.1

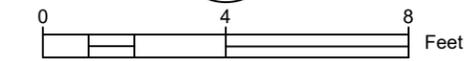


2 VIEW OF WARREN HALL ENTRANCE
Not to Scale



TG = 879.12
N INV = 862.27
SE INV = 874.42
W INV = 862.32

TG = 878.67
N INV = 875.21
NW INV = 875.07

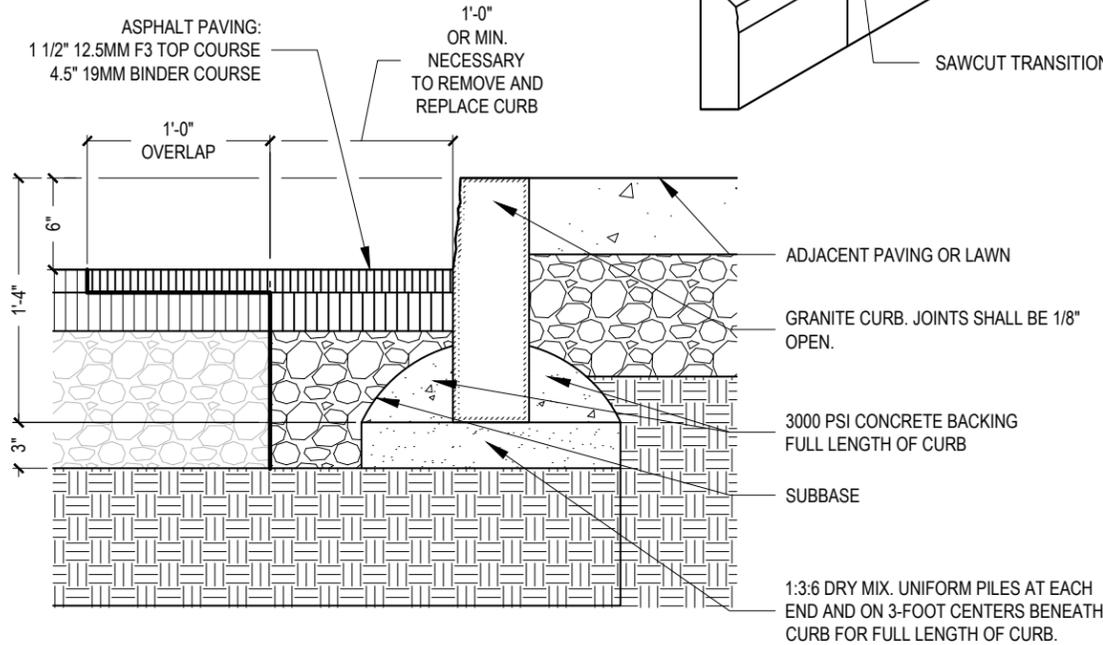
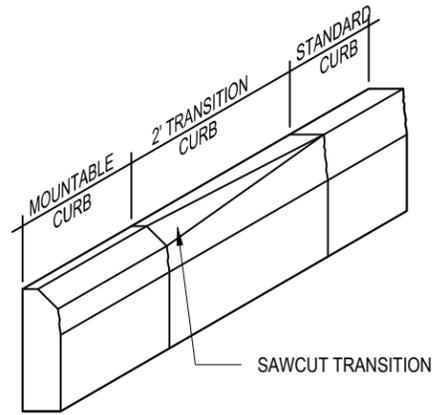
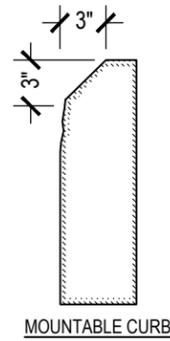


1 WARREN HALL PAVER LAYOUT AND GRADING PLAN
1/4" = 1'-0"

WARREN HALL
3 STORY BRICK BUILDING

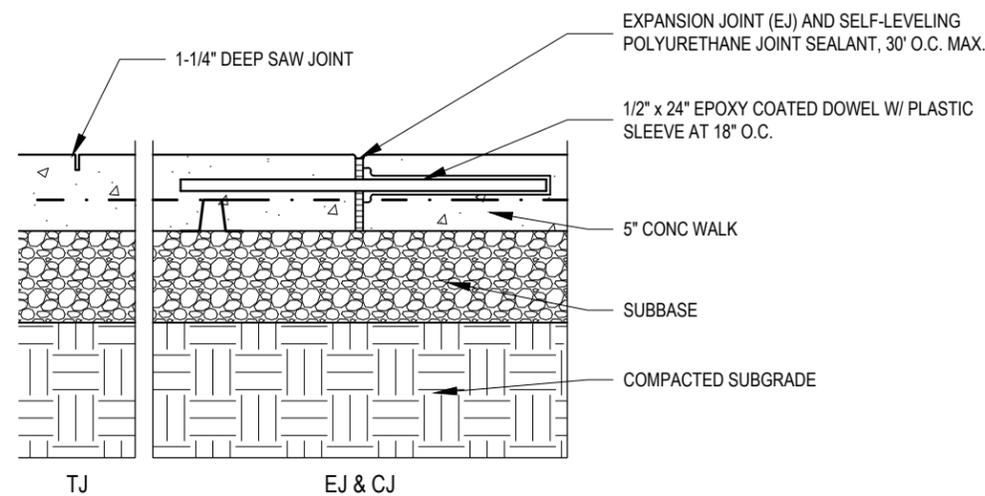


NOTES:
1. RADIUS CURBING SHALL BE USED ON ALL RADII LESS THAN 100 FEET AS INDICATED ON LAYOUT PLAN.



1 GRANITE CURB WITH ASPHALT PATCH
Scale: 1"=1'-0"

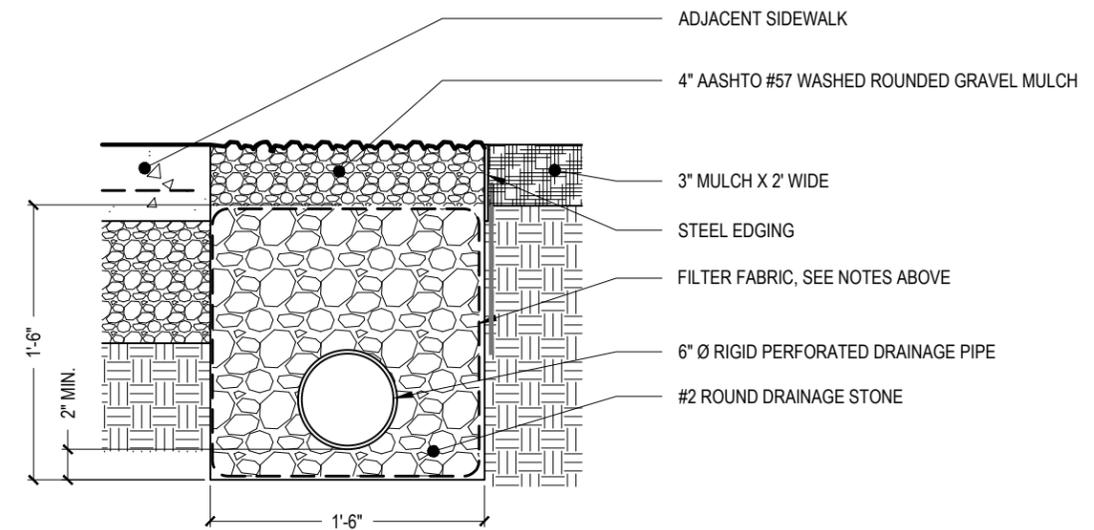
NOTES:
1. PROVIDE DOWELS WHERE ABUTTING EXISTING CONCRETE PAVEMENT



3 CONCRETE JOINTS
Scale: 1"=1'-0"

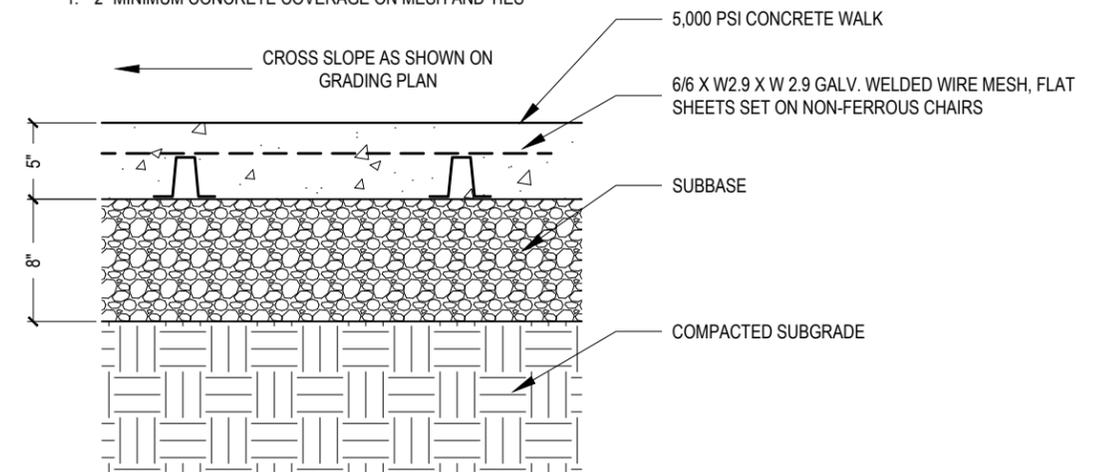
FILTER FABRIC: NONWOVEN NEEDLE-PUNCHED GEOTEXTILE, MANUFACTURED FOR SUBSURFACE DRAINAGE APPLICATIONS, MADE FROM POLYOLEFINS OR POLYESTERS; WITH ELONGATION GREATER THAN 50 PERCENT; COMPLYING WITH AASHTO M 288 AND THE FOLLOWING, MEASURED PER TEST METHODS REFERENCED:

1. SURVIVABILITY: CLASS 2; AASHTO M 288.
2. GRAB TENSILE STRENGTH: 157 LBF (700 N); ASTM D 4632.
3. SEWN SEAM STRENGTH: 142 LBF (630 N); ASTM D 4632.
4. TEAR STRENGTH: 56 LBF (250 N); ASTM D 4533.
5. PUNCTURE STRENGTH: 56 LBF (250 N); ASTM D 4833.
6. APPARENT OPENING SIZE: NO. 40 (0.425-MM) SIEVE, MAXIMUM; ASTM D 4751.
7. PERMITTIVITY: 0.5 PER SECOND, MINIMUM; ASTM D 4491.
8. UV STABILITY: 50 PERCENT AFTER 500 HOURS' EXPOSURE; ASTM D 4355.



2 FRENCH DRAIN WITH GRAVEL MULCH AND STEEL EDGING
Scale: 1"=1'-0"

NOTES:
1. 2" MINIMUM CONCRETE COVERAGE ON MESH AND TIES



4 MEDIUM DUTY CONCRETE PAVEMENT
Scale: 1"=1'-0"

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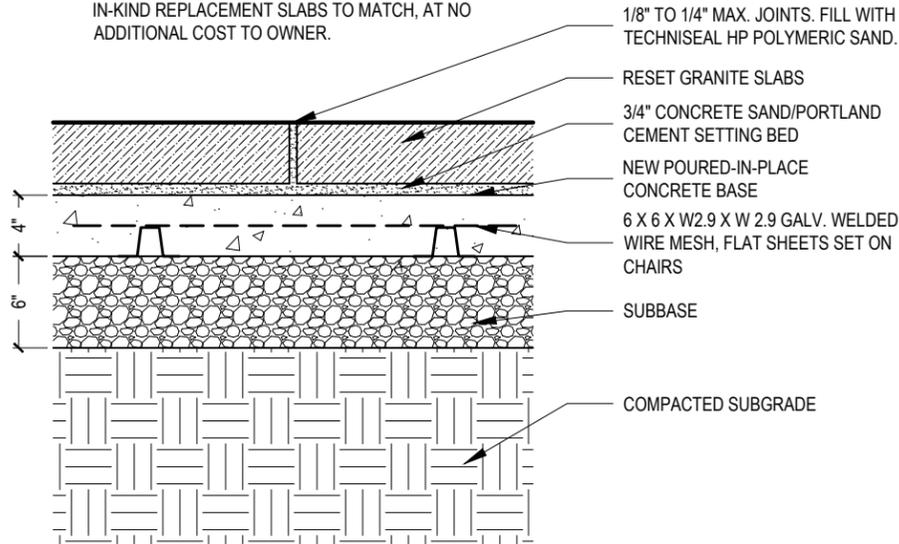
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DETAILS

L4.1

NOTE:

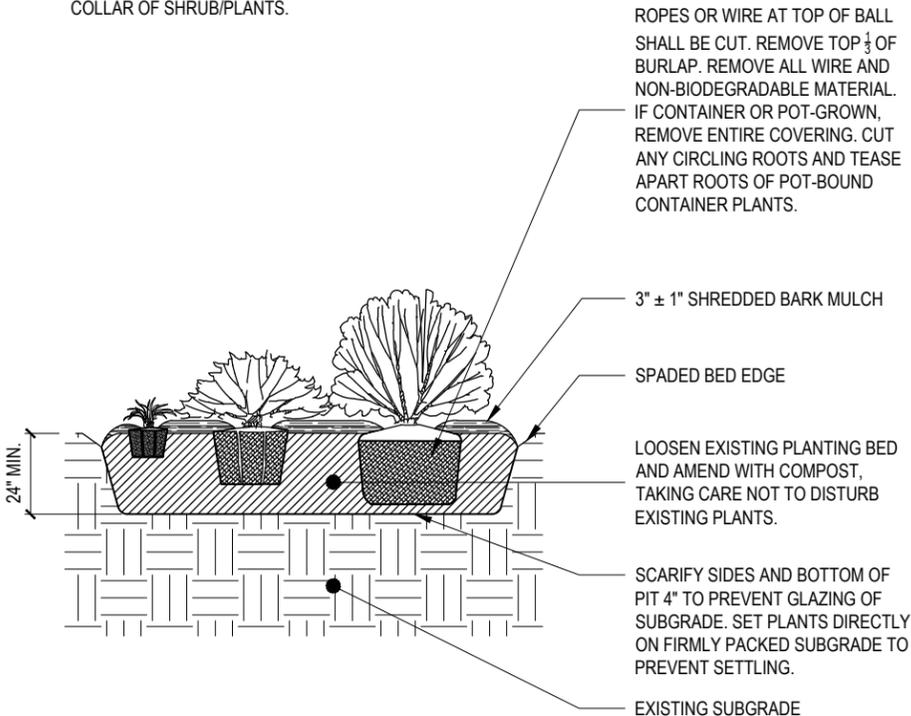
1. CONTRACTOR TO REMOVE, CLEAN, AND STOCKPILE EXISTING GRANITE SLABS FOR REINSTALLATION.
2. IF EXISTING SLABS ARE BROKEN, CRACKED, OR OTHERWISE DAMAGED, CONTRACTOR SHALL PROVIDE IN-KIND REPLACEMENT SLABS TO MATCH, AT NO ADDITIONAL COST TO OWNER.



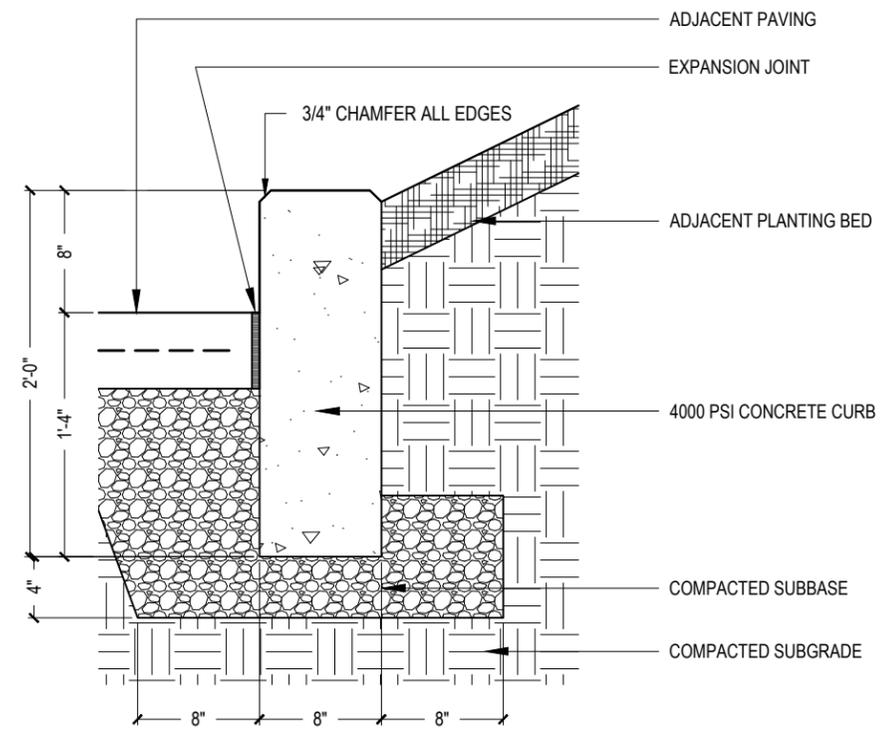
1 RESET GRANITE SLABS ON CONCRETE BASE
Scale: 1"=1'-0"

NOTES:

1. PLANT AT SO THAT ROOT FLARE IS AT OR SLIGHTLY ABOVE ADJACENT FINISHED GRADE OF SOIL MIX.
2. NO SHREDDED BARK MULCH SHALL LAY AGAINST COLLAR OF SHRUB/PLANTS.



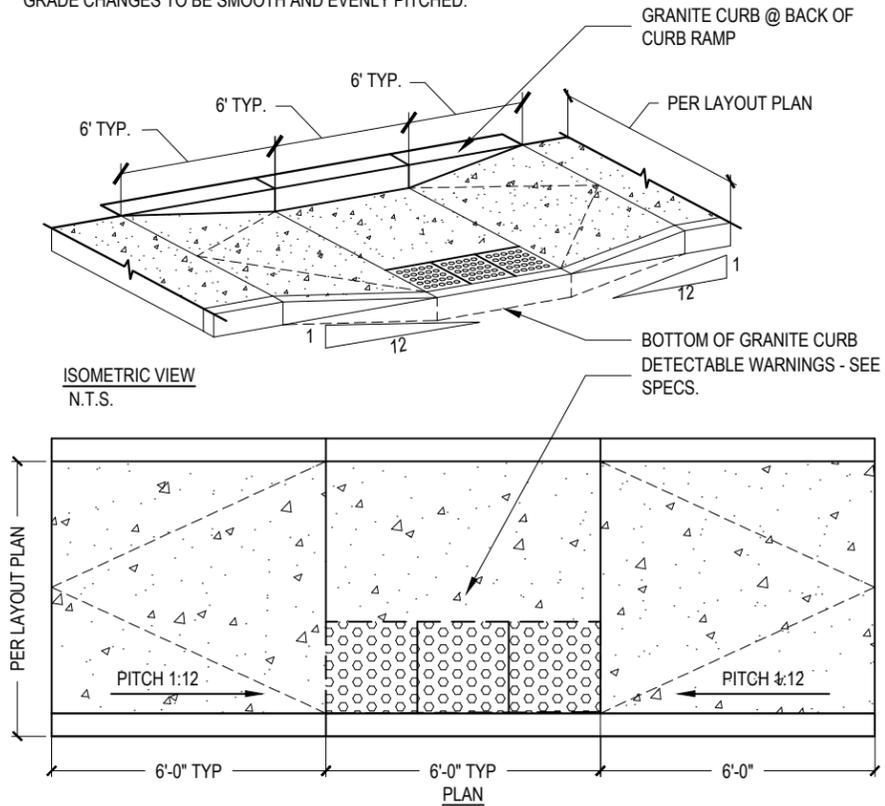
3 SHRUB AND PERENNIAL PLANTING
Scale: 1/4"=1'-0"



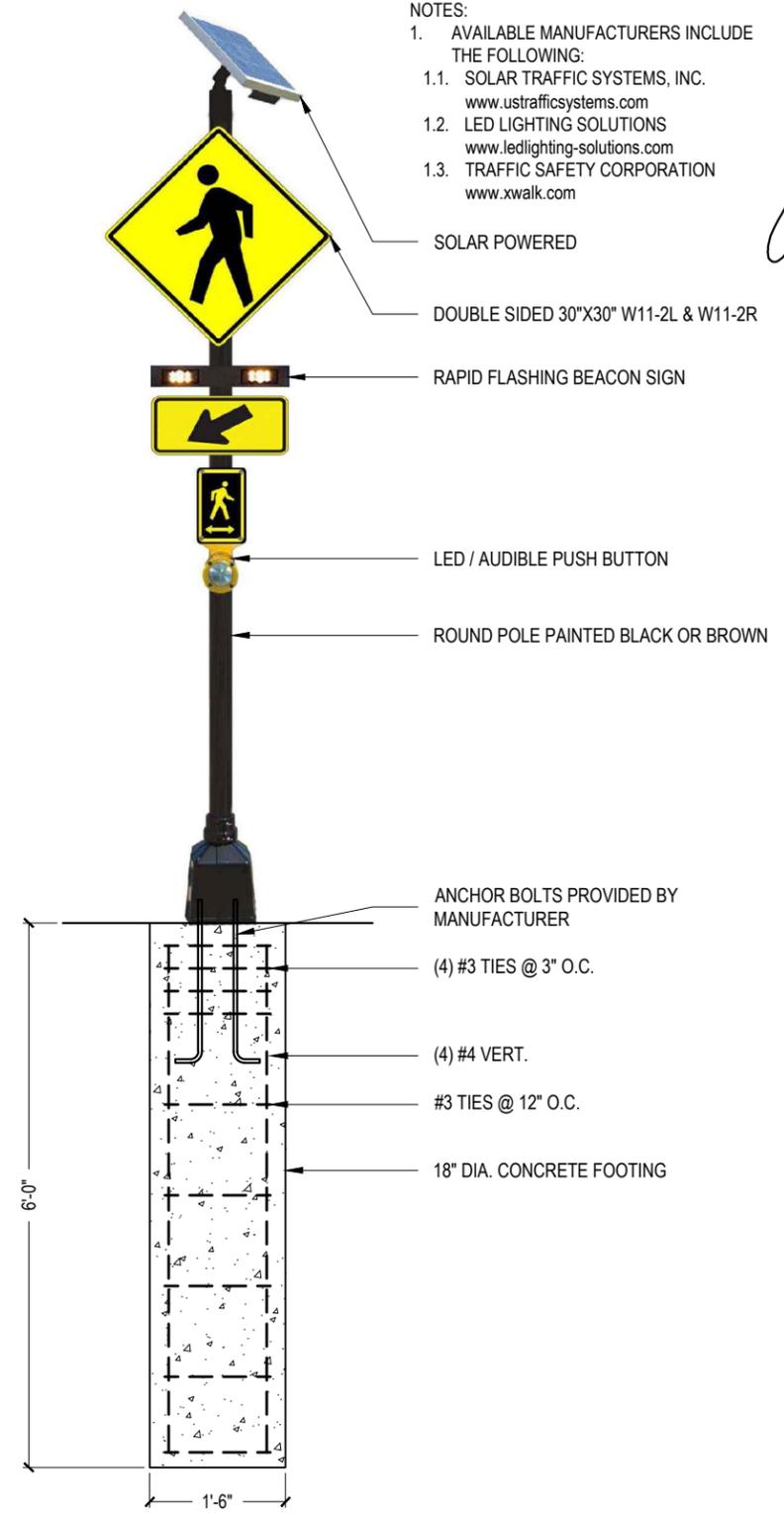
2 PLANTER CURB
Scale: 1"=1'-0"

NOTES:

1. SEE LAYOUT PLAN FOR LOCATION AND DIMENSION OF CURB RAMPS
2. GRADE CHANGES TO BE SMOOTH AND EVENLY PITCHED.



4 ADA CURB RAMP
Scale: 1/4"=1'-0"



5 FLASHING BEACON SIGN (PROVIDE 2 DOUBLE-SIDED)
Scale: 1/2"=1'-0"

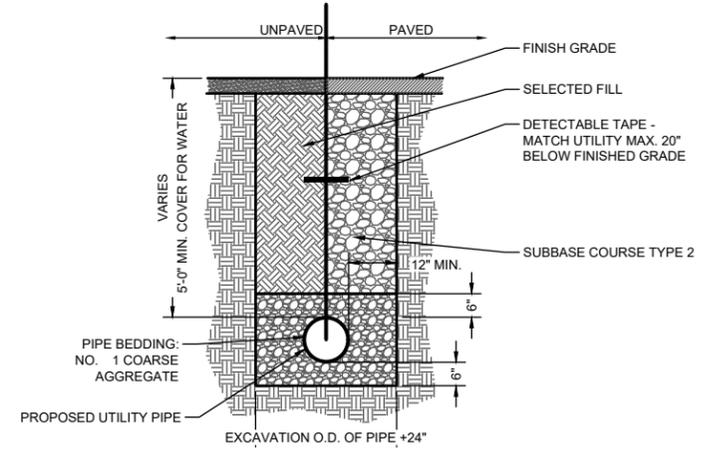
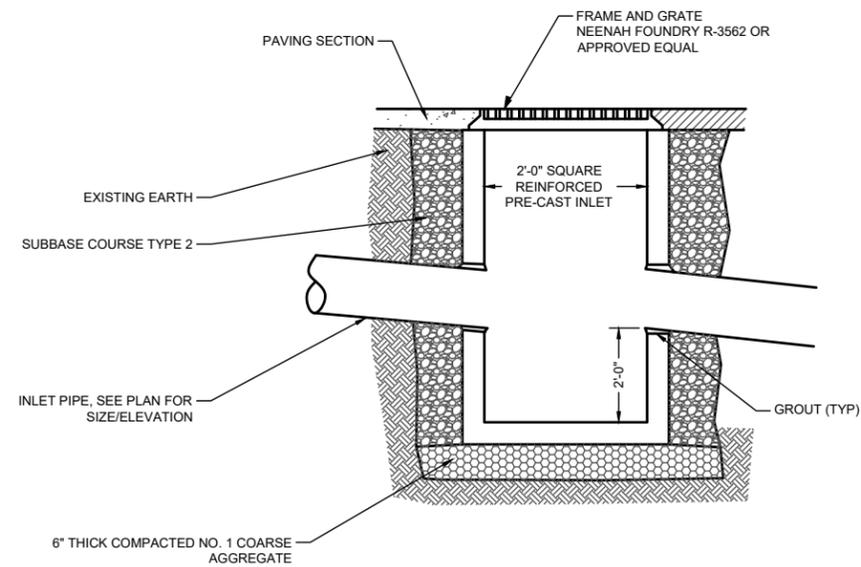
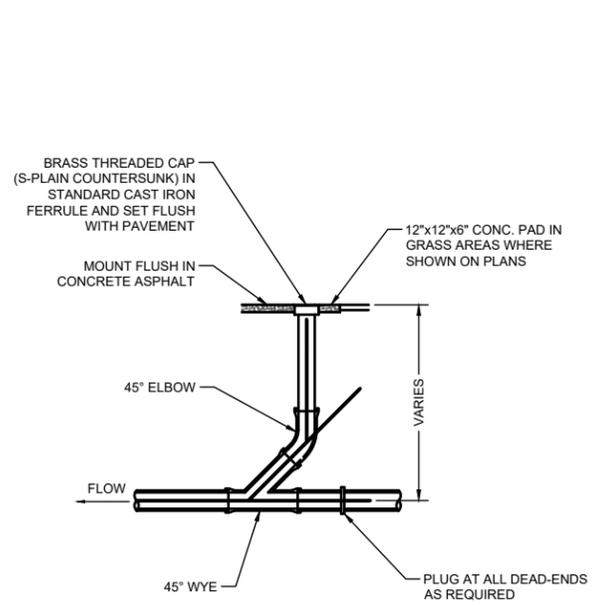


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DETAILS

L4.2

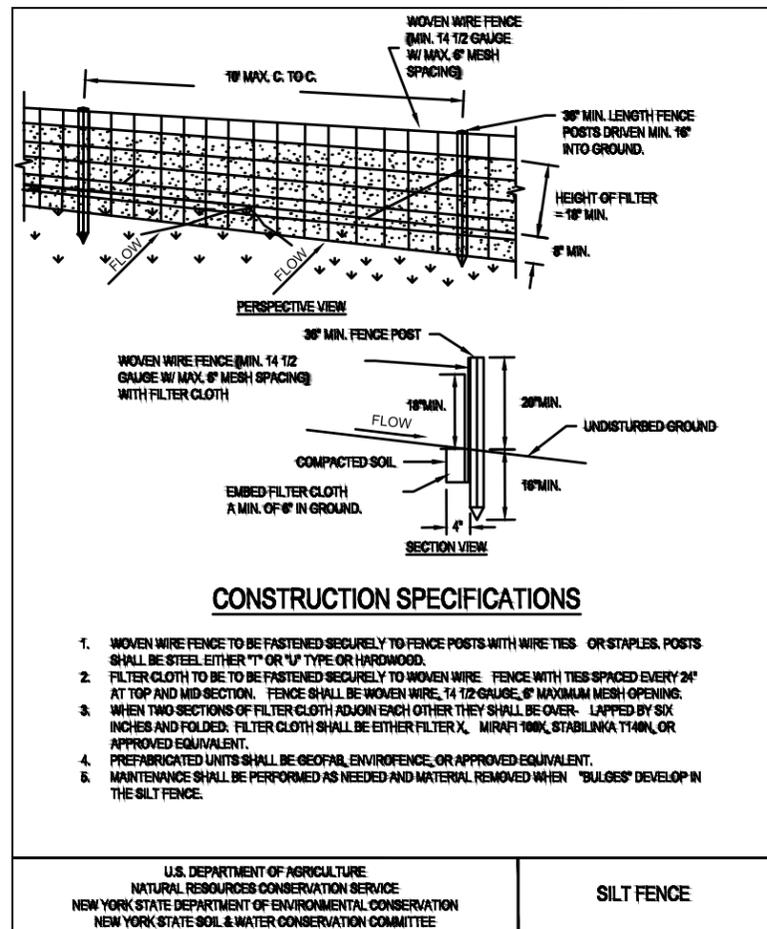


- NOTE:
1. FOR USE WITH SANITARY, STORM, WATER, AND GAS UTILITY TRENCHES.
 2. PROVIDE INSULATION FOR SANITARY PIPE AT DEPTHS OF LESS THAN 4' OF COVER.

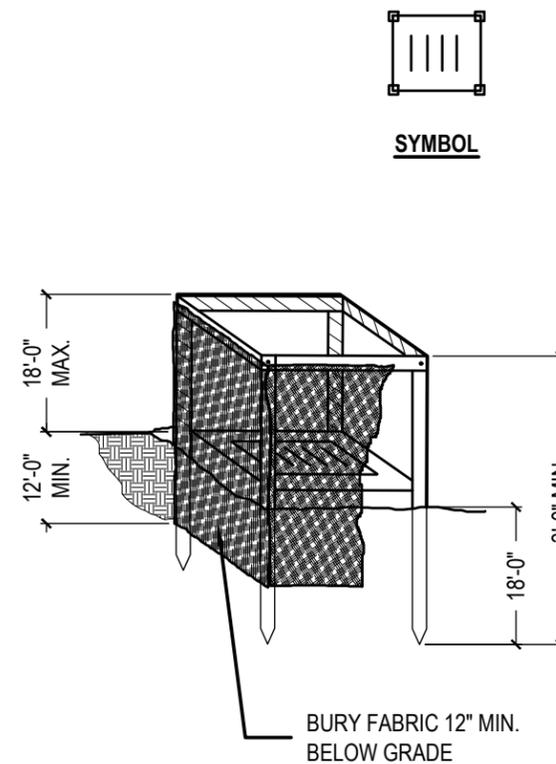
1 STORM AND SEWER CLEANOUTS
NOT TO SCALE

2 STORM CATCH BASIN
NOT TO SCALE

3 UTILITY TRENCH DETAIL
NOT TO SCALE



4 SILT FENCE
NOT TO SCALE



5 INLET PROTECTION
SCALE: 1/2" = 1'-0"

CONSTRUCTION SPECIFICATIONS

1. FILTER FABRIC SHALL HAVE AN EOS OF 40-85. BURLAP MAY BE USED FOR SHORT TERM APPLICATIONS.
2. CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE.
3. STAKE MATERIAL SHALL BE STANDARD 2X4 WOOD OR EQUIVALENT. METAL WITH A MINIMUM LENGTH OF 3 FEET.
4. SPACE STAKES EVENLY AROUND INLET 3 FEET APART AND DRIVE A MINIMUM OF 18" DEEP. SPANS GREATER THAN 3 FEET MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT.
5. FABRIC SHALL BE EMBEDDED A MINIMUM OF 1 FOOT BELOW GRADE AND BACKFILLED. FABRIC SHALL BE SECURELY FASTENED TO STAKES AND FRAME.
6. 2X4 WOOD FRAME SHALL BE CONSTRUCTED AROUND THE CREST OF THE FABRIC FOR OVERFLOW STABILITY.
7. MAXIMUM DRAINAGE AREA = 1 ACRE.

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L4.3