



CITY OF PITTSBURGH
DEPARTMENT OF MOBILITY & INFRASTRUCTURE
CITY- COUNTY BUILDING

STREET DEDICATION APPLICATION PACKET

Date: 8/2/2023

Applicant Name: Ralph Horgan

Property Owner's Name (if different from Applicant): Carnegie Mellon University

Address: 5000 Forbes Ave

Phone Number: 412-268-6156 Alternate Phone Number: 412-268-7280

Email Address: rh44@andrew.cmu.edu

Proposed Street(s) to be Dedicated: Forbes Ave

Ward: 14 Council District: 8 Lot and Block 53-B-50

What is the properties zoning district code? EMI (zoning office 255-2241)

Is the proposed dedication developed? Yes No

Width of Proposed Dedication: 0 - 17.36' (varies due to geometry of the space to be dedicated)

Length of Proposed Dedication: 412.44' (Forbes Ave frontage)

Number of square feet of the proposed Dedication: 4119 SF

Description of Dedication: Sidewalk & lighting poles dedication

Reason for application:

Dedication application is to align the Forbes Ave ROW with the proposed new sidewalk (approved by DOMI) and to incorporate the new City standard light poles and raised university planter boxes into the City ROW. The university will apply separately for an Encroachment Permit for the raised planter boxes. Please note that as the university is the only property owner in the proposed Dedication area, there is not a Support Petition submitted. Also note that we are not submitting as-builts as the work is not complete.

Carnegie Mellon University

Campus Design and Facility Development

Carnegie Mellon University
5000 Forbes Avenue
Pittsburgh, PA 15213-3890

Ralph R. Horgan

Associate Vice President
o: 412-268-7280
f: 412-268-6976

August 8, 2023

Kim Lucas, Director
Department of Mobility and Infrastructure
City County Building
414 Grant St, Pittsburgh, PA 15219

Dear Director Lucas,

As part of a greater campus-wide initiative to improve pedestrian safety, Carnegie Mellon University is implementing improvements to the sidewalk on the south side of Forbes Avenue between Devon Road and Beeler Street. These improvements, which were approved by the Art Commission of the City of Pittsburgh in February 2023, will widen the sidewalk, add tree planters and upgrade streetlights to the current City standards.

In working with our City partners, it was realized that the current Right-Of-Way (ROW) does not align with neither the current nor the proposed new sidewalk. This misalignment thus puts several of the existing, as well as the proposed streetlights on university property, rather than in the ROW. Therefore the university, with the advice and support of City staff, is proposing to dedicate a section of university property to correct the ROW alignment.

Please find the dedication application to align the ROW attached. Once the dedication has been approved, the university will complete the installation of new sidewalk, City standard light poles and the raised university planter boxes into the City ROW. The university has separately applied for an Encroachment Permit (via OneStopPGH) for the raised planter boxes. Please note that as the university is the only property owner in the proposed Dedication area, which is reflected in the attached Support Petition.

August 8, 2023

Page 2

Please feel free to contact me and my staff if you have any questions or would like to discuss further.

Sincerely,



Ralph R. Horgan
Associate Vice President
Carnegie Mellon University

CC:

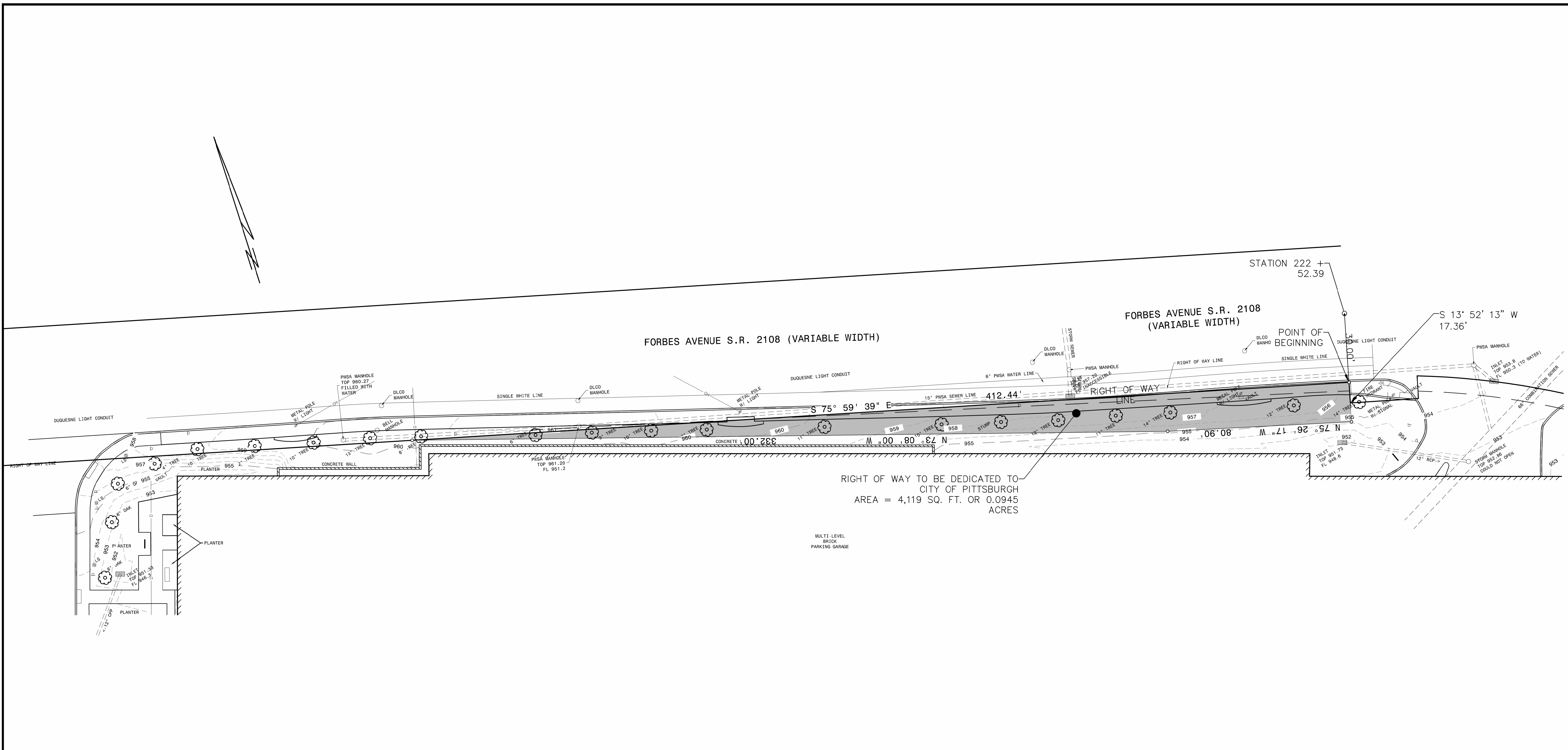
Asli Darga, CDFD

Bob Reppe, CDFD

Attachments

- Dedication Application
- Petition of Property Owners
- ROW Dedication Description
- Map of Proposed Dedication

I:\Data & File\name\c\project\1200112809-0727-Forbes-Building-Structure-MFT\Drawings\12809-0727-EX-BASE.dwg
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 Sheet: 01 of 01



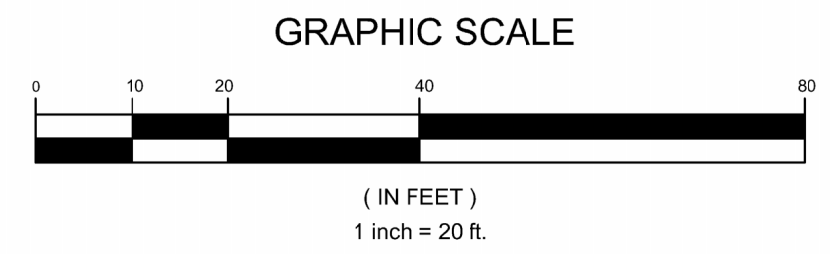
RIGHT OF WAY TO BE DEDICATED TO
 CITY OF PITTSBURGH
 AREA = 4,119 SQ. FT. OR 0.0945
 ACRES

MULTI-LEVEL BRICK PARKING GARAGE

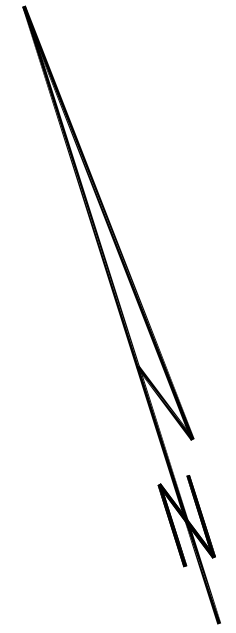
LEGEND

- TOP - TOP OF CASTING
- FL - FLOW LINE
- LS - LIGHT STANDARD
- RCP - REINFORCED CONCRETE PIPE
- CMP - CORRUGATED METAL PIPE
- CPP - CORRUGATED PLASTIC PIPE
- TCP - TERRAZO PIPE
- PVC - POLYVINYL CHLORIDE PIPE
- WJ - BETH
- G - GAS LINE
- W - WATER LINE
- D - SUBSURFACE COMMUNICATION LINE
- E - SUBSURFACE ELECTRIC LINE
- OH - OVERHEAD WIRES
- IN - EXISTING INLET
- == == == - EXISTING SEWER PIPE

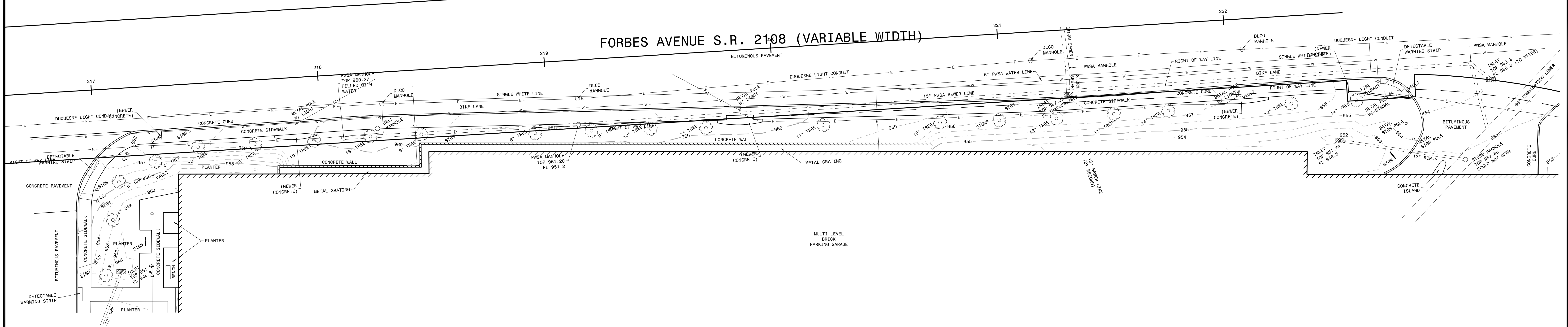
NOTE
 THE UNDERGROUND UTILITIES SHOWN HEREON HAVE NOT BEEN PHYSICALLY LOCATED BY THE SURVEYOR, HOWEVER, THE INFORMATION WAS OBTAINED FROM EXISTING PLANS AND SURFACE FACILITIES. THE GATEWAY ENGINEERS, INC. MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE GATEWAY ENGINEERS, INC. DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH THEY ARE SHOWN AS ACCURATELY AS POSSIBLE FROM THE INFORMATION AVAILABLE.



GATEWAY The Gateway Engineers, Inc. Full-Service Civil Engineering & Surveying 100 McMorris Road, Pittsburgh, PA 15205 gatewayengineers.com 855-634-9284	PLAN OF EXISTING CONDITIONS SITUATE IN 14TH WARD, CITY OF PITTSBURGH ALLEGHENY COUNTY, PA MADE FOR CARNEGIE MELLON UNIVERSITY	
	REVISIONS:	DATE: SEPTEMBER 21, 2021 SCALE: 1" = 20'
PM: JAB DB: JAB CB: --		



FORBES AVENUE S.R. 2108 (VARIABLE WIDTH)

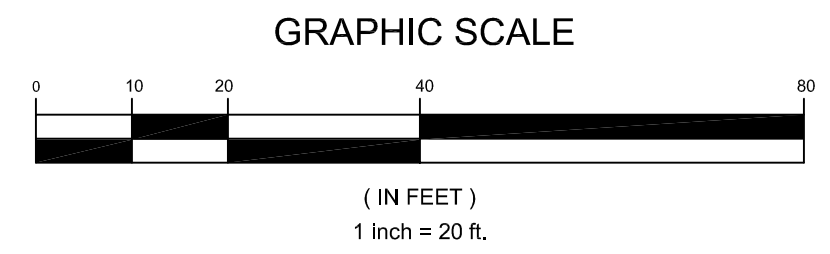


MULTI-LEVEL
BRICK
PARKING GARAGE

LEGEND

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- INLET - EXISTING INLET
- ==== - EXISTING SEWER PIPE

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The Gateway Engineers, Inc.
Full-Service Civil Engineering & Surveying
100 McMorris Road, Pittsburgh, PA 15205
gatewayengineers.com 855-634-9284

REVISIONS:

**PLAN OF
EXISTING CONDITIONS**

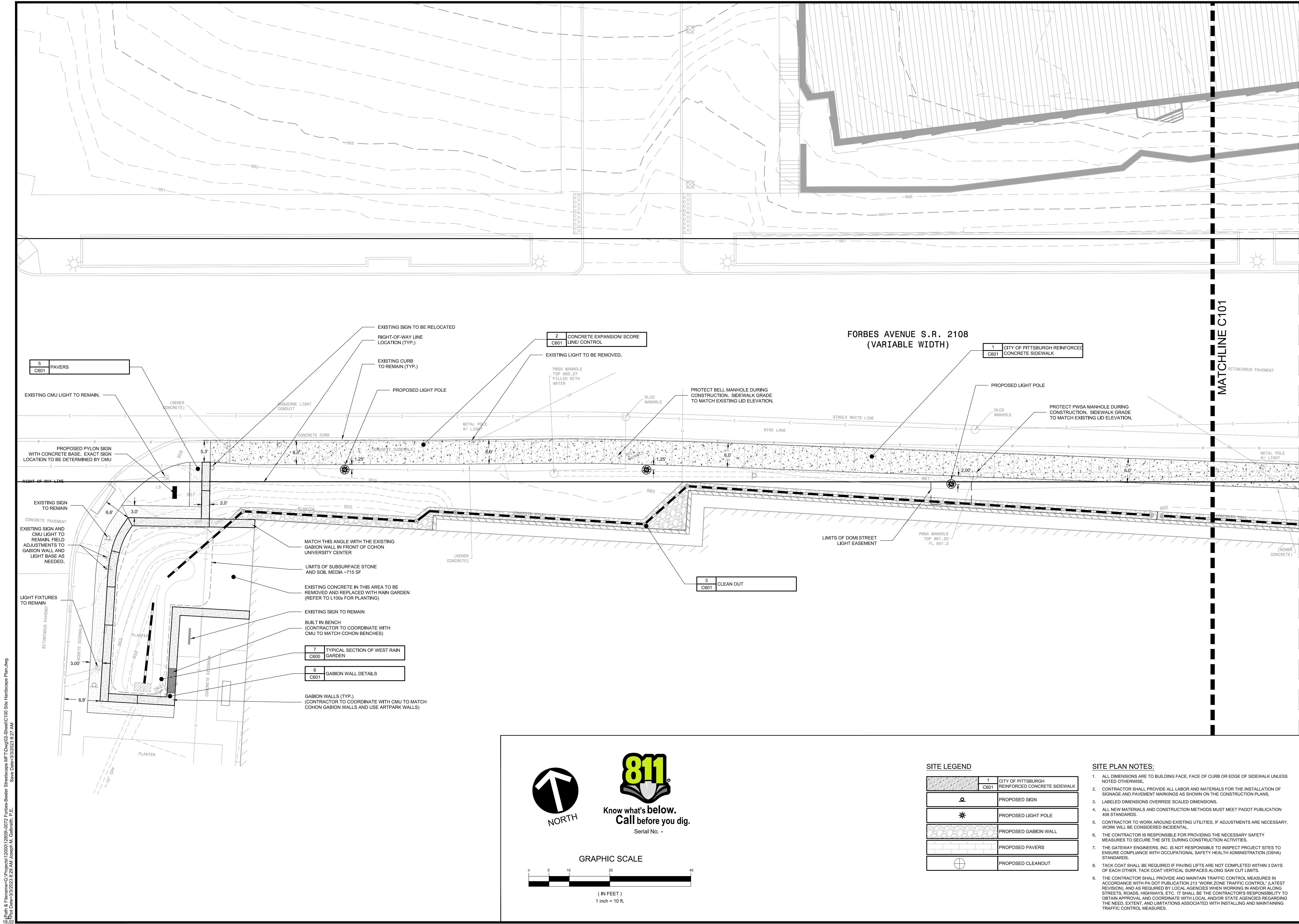
SITUATE IN
14TH WARD, CITY OF PITTSBURGH
ALLEGHENY COUNTY, PA

MADE FOR
**CARNEGIE MELLON
UNIVERSITY**

DATE: SEPTEMBER 21, 2021
SCALE: 1" = 20'

PROJECT No.: C-12809-S072
DRAWING No.: --

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5 PAVERS
C601

2 CONCRETE EXPANSION SCORE LINE/CONTROL
C601

1 CITY OF PITTSBURGH REINFORCED CONCRETE SIDEWALK
C601

3 CLEAN OUT
C601

7 TYPICAL SECTION OF WEST RAIN GARDEN
C600

6 GABION WALL DETAILS
C601

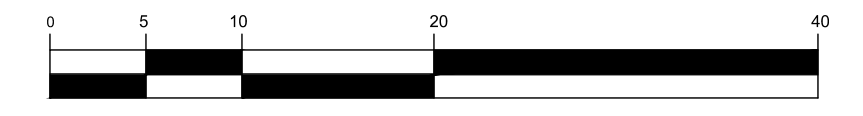


NORTH



Know what's below.
Call before you dig.
Serial No. -

GRAPHIC SCALE



(IN FEET)
1 inch = 10 ft.

SITE LEGEND

	1 CITY OF PITTSBURGH REINFORCED CONCRETE SIDEWALK C601
	PROPOSED SIGN
	PROPOSED LIGHT POLE
	PROPOSED GABION WALL
	PROPOSED PAVERS
	PROPOSED CLEANOUT

SITE PLAN NOTES:

- ALL DIMENSIONS ARE TO BUILDING FACE, FACE OF CURB OR EDGE OF SIDEWALK UNLESS NOTED OTHERWISE.
- CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS FOR THE INSTALLATION OF SIGNAGE AND PAVEMENT MARKINGS AS SHOWN ON THE CONSTRUCTION PLANS.
- LABELED DIMENSIONS OVERRIDE SCALED DIMENSIONS.
- ALL NEW MATERIALS AND CONSTRUCTION METHODS MUST MEET PADOT PUBLICATION 408 STANDARDS.
- CONTRACTOR TO WORK AROUND EXISTING UTILITIES. IF ADJUSTMENTS ARE NECESSARY, WORK WILL BE CONSIDERED INCIDENTAL.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE NECESSARY SAFETY MEASURES TO SECURE THE SITE DURING CONSTRUCTION ACTIVITIES.
- THE GATEWAY ENGINEERS, INC. IS NOT RESPONSIBLE TO INSPECT PROJECT SITES TO ENSURE COMPLIANCE WITH OCCUPATIONAL SAFETY HEALTH ADMINISTRATION (OSHA) STANDARDS.
- TACK COAT SHALL BE REQUIRED IF PAVING LIFTS ARE NOT COMPLETED WITHIN 3 DAYS OF EACH OTHER. TACK COAT VERTICAL SURFACES ALONG SAW CUT LIMITS.
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TRAFFIC CONTROL MEASURES IN ACCORDANCE WITH PA DOT PUBLICATION 213 "WORK ZONE TRAFFIC CONTROL" (LATEST REVISION), AND AS REQUIRED BY LOCAL AGENCIES WHEN WORKING IN AND/OR ALONG STREETS, ROADS, HIGHWAYS, ETC. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN APPROVAL AND COORDINATE WITH LOCAL AND/OR STATE AGENCIES REGARDING THE NEED, EXTENT, AND LIMITATIONS ASSOCIATED WITH INSTALLING AND MAINTAINING TRAFFIC CONTROL MEASURES.

REVISION RECORD

Date	No.	Description
2022-10-20	01	FINAL CMU REVISIONS
2022-10-22	02	MINOR SIDEWALK REVISIONS
2022-11-03	03	MINOR DETAIL REVISIONS
2022-11-22	04	CONSTRUCTION AND DETAIL REVISIONS
2022-01-16	05	RAIN GARDEN VALUE ENGINEERING REVISIONS
2022-02-06	06	LIGHT POLES MOVED TO BACK OF SIDEWALK
2022-03-03	07	RESUBMISSION OF PLANS & PHOTOMETRICS
	08	

FORBES BEELER STREETScape
5000 FORBES AVENUE
PITTSBURGH, PA 15213

PREPARED FOR:
CARNEGIE MELLON UNIVERSITY
417 SOUTH CRAIG STREET, 3RD FLOOR
PITTSBURGH, PA 15213

SITE HARDSCAPE PLAN

Project Number: C-12809-0072
Drawing Scale: 1" = 10'
Date Issued: NOV 2022

Index Number: -
Drawn By: LKE
Checked By: JMG
Project Manager: JMG

C100

GATEWAY
The Gateway Engineers, Inc.
Full-Service Civil Engineering & Surveying
Pittsburgh, PA
gatewayengineers.com
855-634-9284

REVISION RECORD	
Date	No
2022-10-20	01
2022-10-22	02
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2023-01-16	05
2023-02-06	06
2023-03-03	07
	08

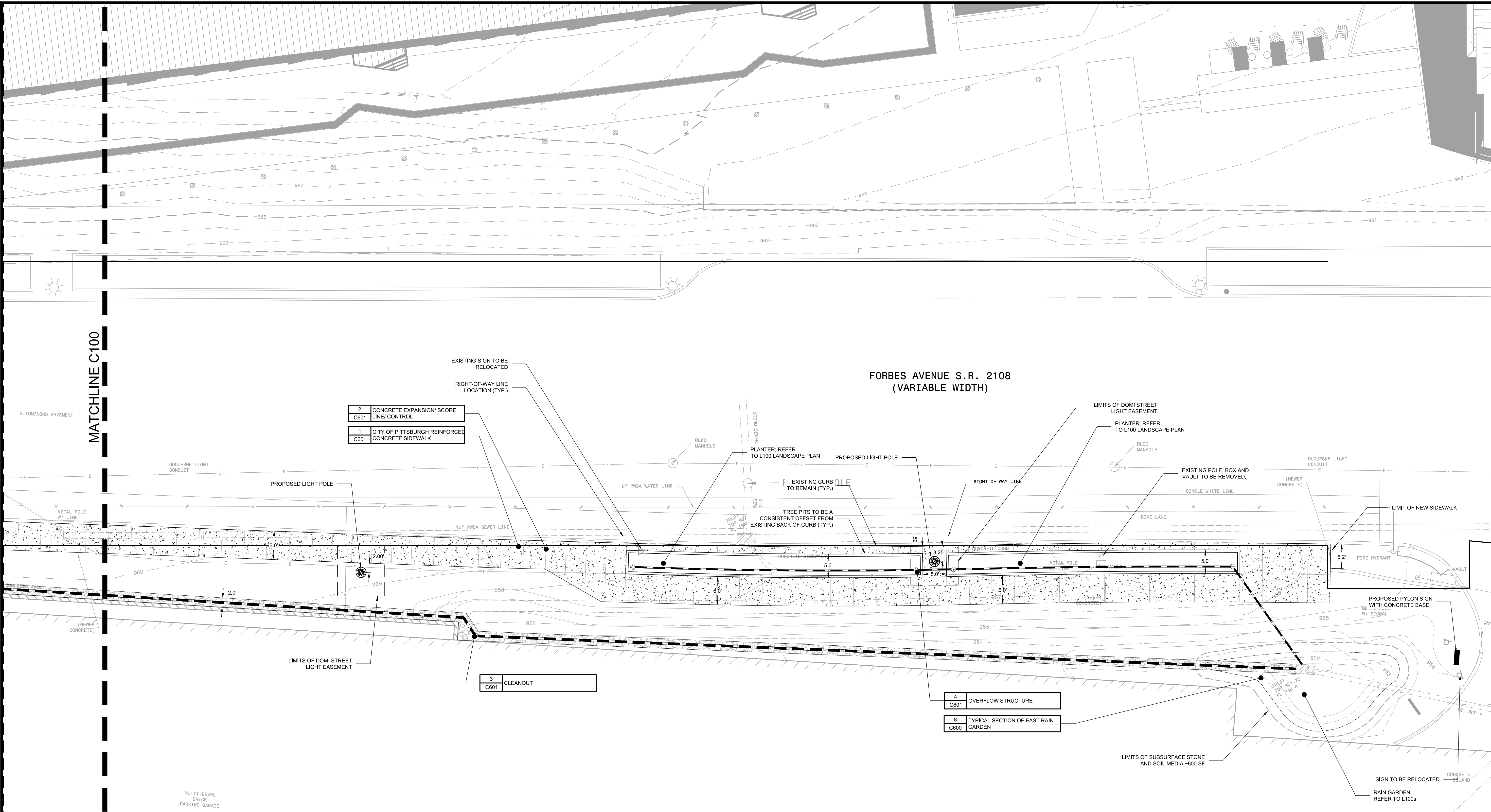
FORBES BEELER STREETSCAPE
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 Project Manager: JMG

C101



2	CONCRETE EXPANSION/SCORE LINE/CONTROL	C601
1	CITY OF PITTSBURGH REINFORCED CONCRETE SIDEWALK	C601

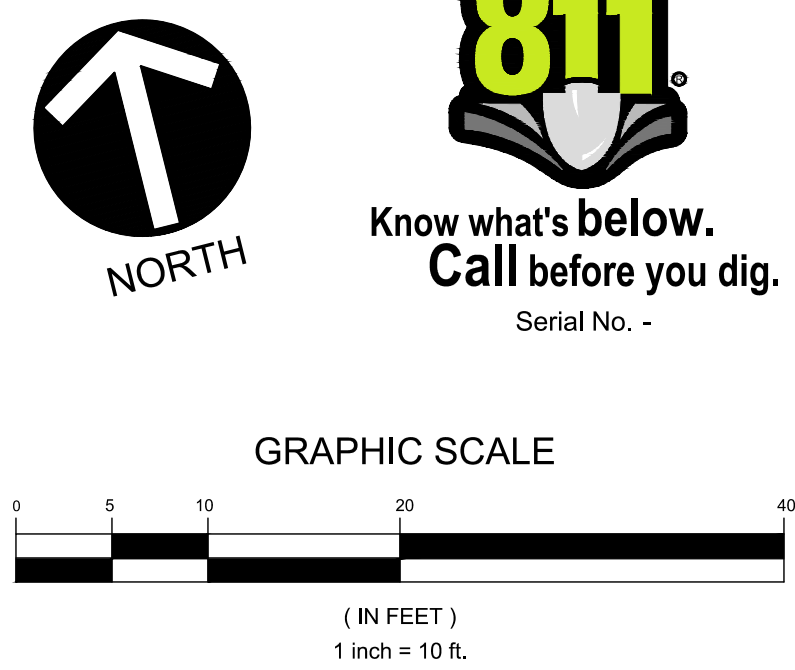
3	CLEANOUT	C601
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4	OVERFLOW STRUCTURE	C601
8	TYPICAL SECTION OF EAST RAIN GARDEN	C600

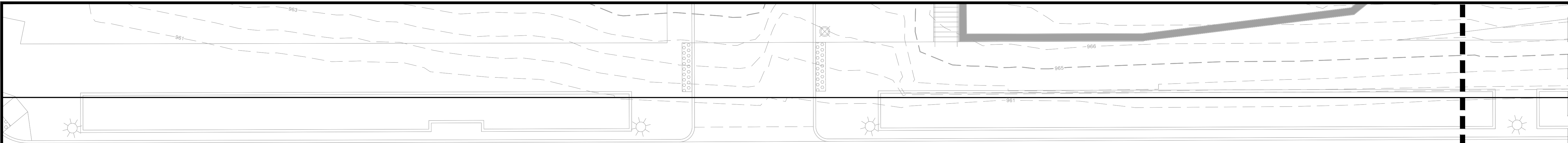
SITE LEGEND

	1 CITY OF PITTSBURGH REINFORCED CONCRETE SIDEWALK
	PROPOSED SIGN
	PROPOSED LIGHT POLE
	PROPOSED CLEANOUT

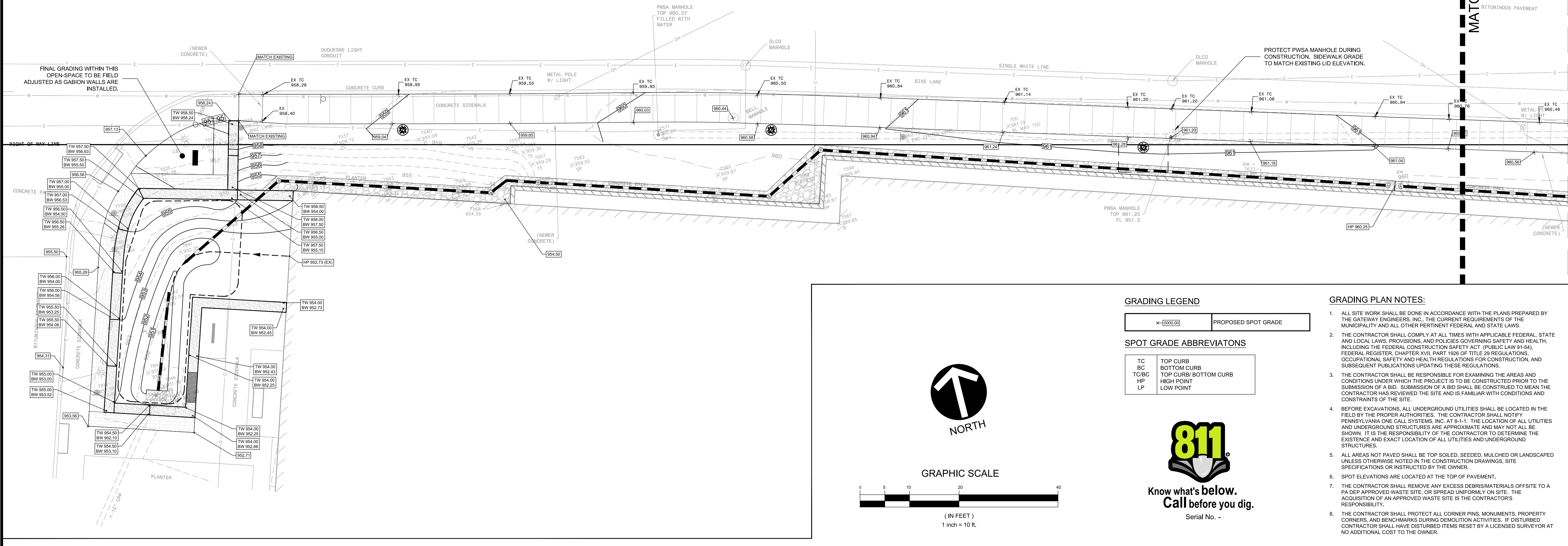
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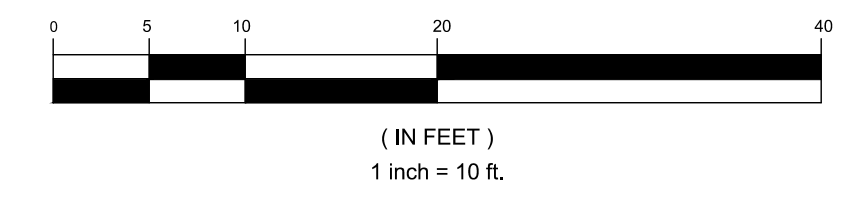
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**FORBES AVENUE S.R. 2108
(VARIABLE WIDTH)**



NORTH



GRADING LEGEND

X-XXXX.XX	PROPOSED SPOT GRADE
-----------	---------------------

SPOT GRADE ABBREVIATIONS

TC	TOP CURB
BC	BOTTOM CURB
TC/BC	TOP CURB/ BOTTOM CURB
HP	HIGH POINT
LP	LOW POINT

GRADING PLAN NOTES:

1. ALL SITE WORK SHALL BE DONE IN ACCORDANCE WITH THE PLANS PREPARED BY THE GATEWAY ENGINEERS, INC., THE CURRENT REQUIREMENTS OF THE MUNICIPALITY AND ALL OTHER PERTINENT FEDERAL AND STATE LAWS.
2. THE CONTRACTOR SHALL COMPLY AT ALL TIMES WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, PROVISIONS, AND POLICIES GOVERNING SAFETY AND HEALTH, INCLUDING THE FEDERAL CONSTRUCTION SAFETY ACT (PUBLIC LAW 91-54), FEDERAL REGISTER, CHAPTER XVII, PART 1926 OF TITLE 29 REGULATIONS, OCCUPATIONAL SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION, AND SUBSEQUENT PUBLICATIONS UPDATING THESE REGULATIONS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXAMINING THE AREAS AND CONDITIONS UNDER WHICH THE PROJECT IS TO BE CONSTRUCTED PRIOR TO THE SUBMISSION OF A BID. SUBMISSION OF A BID SHALL BE CONSTRUED TO MEAN THE CONTRACTOR HAS REVIEWED THE SITE AND IS FAMILIAR WITH CONDITIONS AND CONSTRAINTS OF THE SITE.
4. BEFORE EXCAVATIONS, ALL UNDERGROUND UTILITIES SHALL BE LOCATED IN THE FIELD BY THE PROPER AUTHORITIES. THE CONTRACTOR SHALL NOTIFY PENNSYLVANIA ONE CALL SYSTEMS, INC. AT 8-1-1. THE LOCATION OF ALL UTILITIES AND UNDERGROUND STRUCTURES ARE APPROXIMATE AND MAY NOT ALL BE SHOWN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTENCE AND EXACT LOCATION OF ALL UTILITIES AND UNDERGROUND STRUCTURES.
5. ALL AREAS NOT PAVED SHALL BE TOP SOILED, SEEDED, MULCHED OR LANDSCAPED UNLESS OTHERWISE NOTED IN THE CONSTRUCTION DRAWINGS, SITE SPECIFICATIONS OR INSTRUCTED BY THE OWNER.
6. SPOT ELEVATIONS ARE LOCATED AT THE TOP OF PAVEMENT.
7. THE CONTRACTOR SHALL REMOVE ANY EXCESS DEBRIS/MATERIALS OFFSITE TO A PA DEP APPROVED WASTE SITE, OR SPREAD UNIFORMLY ON SITE. THE ACQUISITION OF AN APPROVED WASTE SITE IS THE CONTRACTOR'S RESPONSIBILITY.
8. THE CONTRACTOR SHALL PROTECT ALL CORNER PINS, MONUMENTS, PROPERTY CORNERS, AND BENCHMARKS DURING DEMOLITION ACTIVITIES. IF DISTURBED CONTRACTOR SHALL HAVE DISTURBED ITEMS RESET BY A LICENSED SURVEYOR AT NO ADDITIONAL COST TO THE OWNER.



Know what's below.
Call before you dig.
Serial No. -

REVISION RECORD

No	Date	Description
01	2022-10-20	FINAL CMM REVISIONS
02	2022-10-22	MINOR SIDEWALK REVISIONS
03	2022-11-03	MINOR DETAIL REVISIONS
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07	2023-03-03	RESUBMISSION OF PLANS & PHOTOMETRICS
08		

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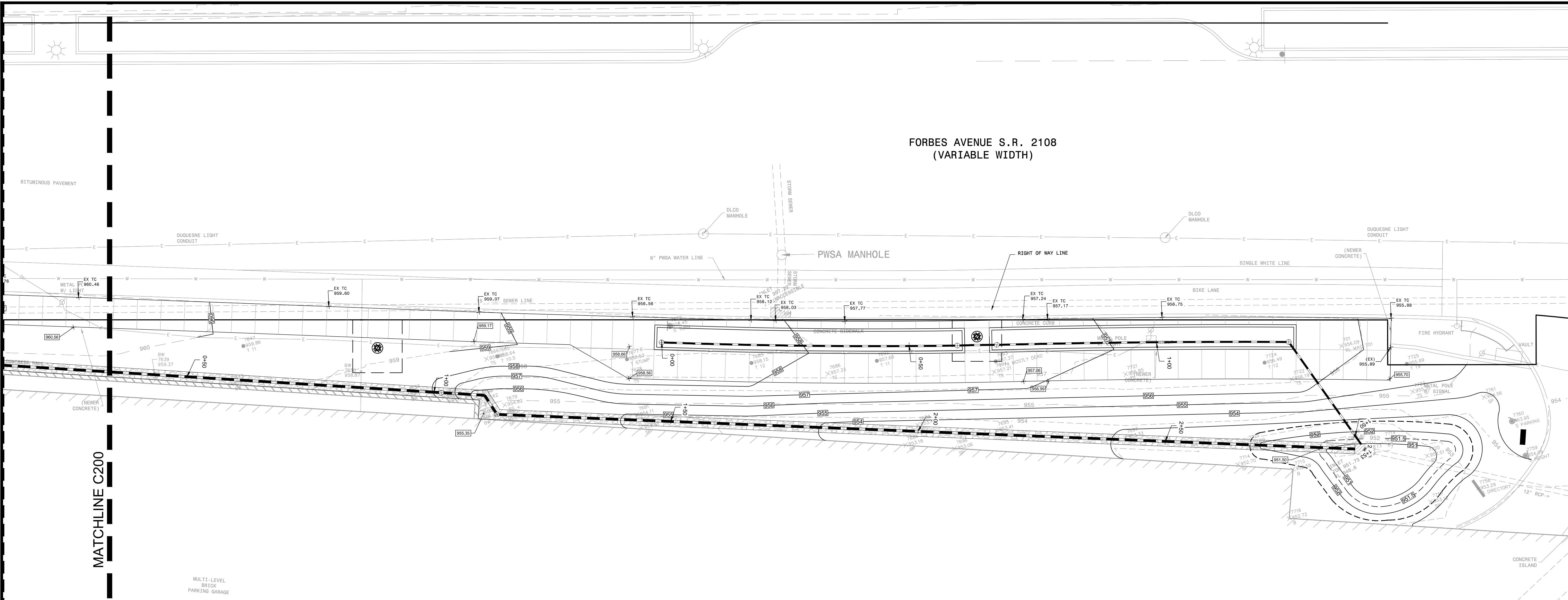
GRADING PLAN

Project Number: C-12809-0072
Drawing Scale: 1" = 10'
Date Issued: NOV 2022
Index Number: -
Drawn By: LKE
Checked By: JMG
Project Manager: JMG

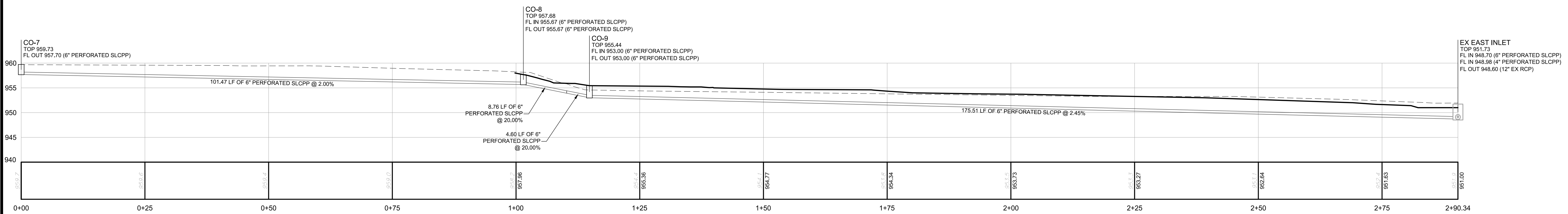
C200

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**FORBES AVENUE S.R. 2108
 (VARIABLE WIDTH)**



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No	Date
01	2022-10-20
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03	2022-11-03
04	2022-11-22
05	2023-01-16
06	2023-02-06
07	2023-03-03
08	



CO-7 to East Rain Garden PROFILE
 HORIZONTAL SCALE: 1" = 10'
 VERTICAL SCALE: 1" = 10'

GRADING LEGEND

---	PROPOSED SPOT GRADE
-----	---------------------

SPOT GRADE ABBREVIATIONS

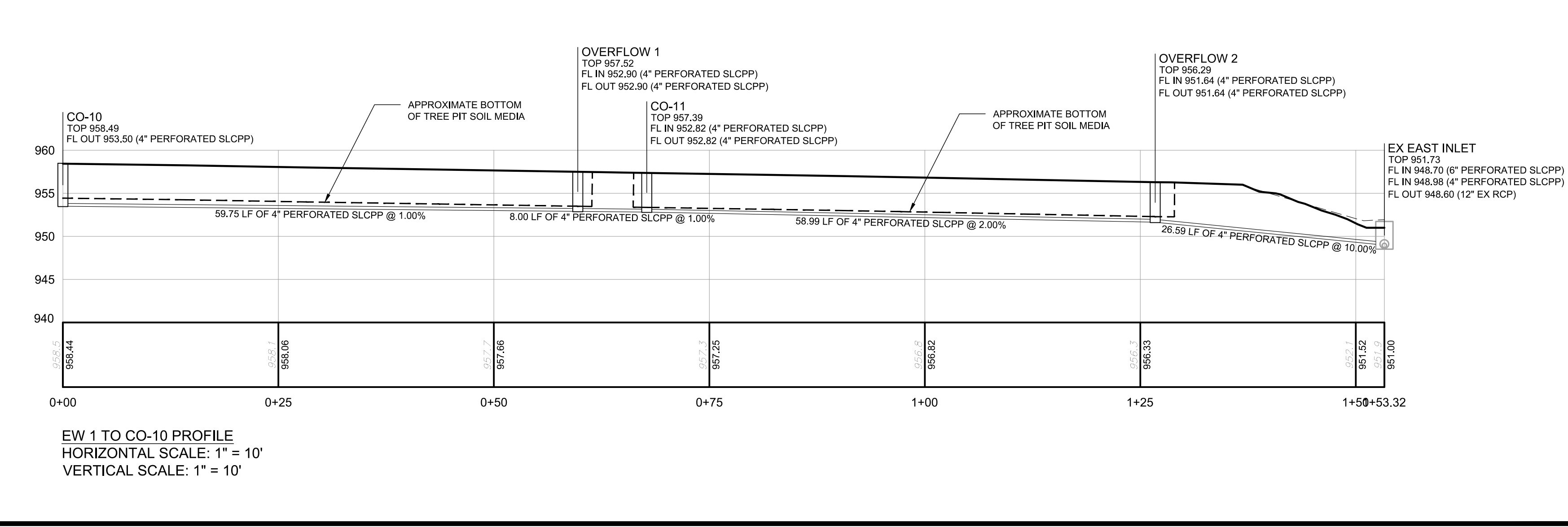
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GRAPHIC SCALE
 0 5 10 20 40
 (IN FEET)
 1 inch = 10 ft.

811
 Know what's below.
 Call before you dig.
 Serial No. -



FORBES BEELEER STREETSCAPE
 5000 FORBES AVENUE
 PITTSBURGH, PA 15213

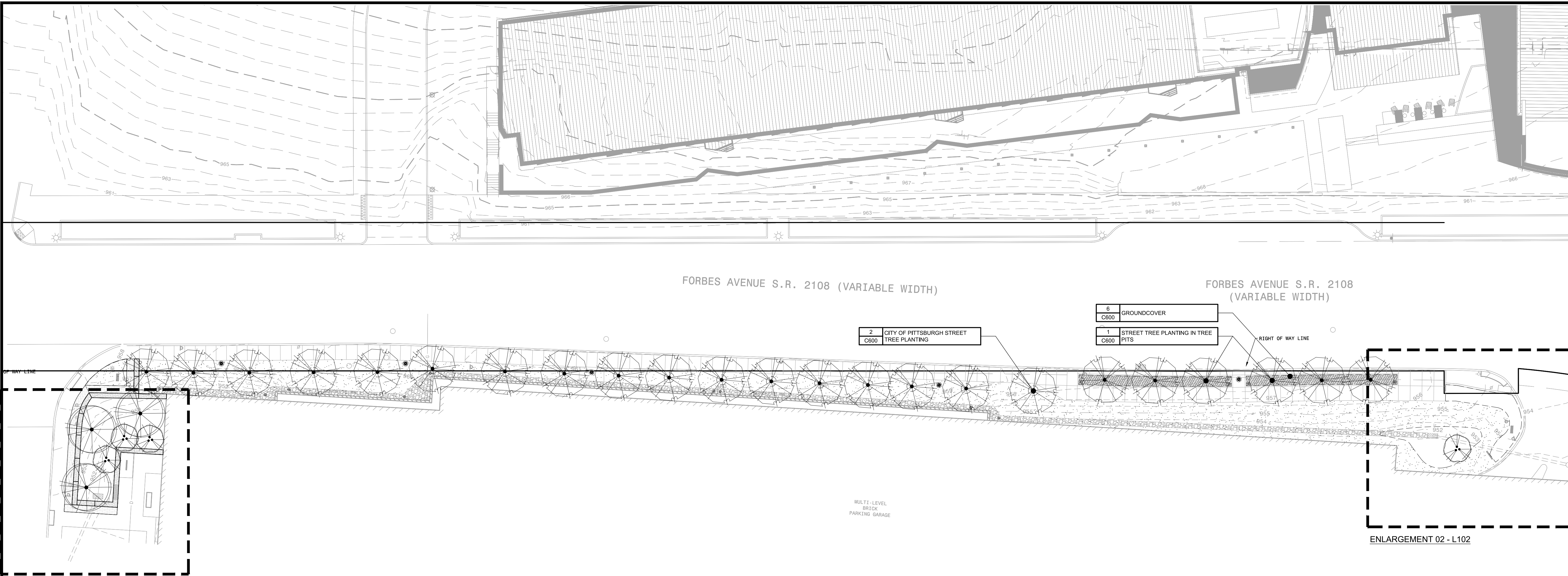
FORBES BEELEER STREETSCAPE
 PREPARED FOR:
CARNEGIE MELLON UNIVERSITY
 417 SOUTH CRAIG STREET, 3RD FLOOR
 PITTSBURGH, PA 15213

GRADING PLAN

Project Number: C-12809-0072
 Drawing Scale: 1" = 10'
 Date Issued: NOV 2022
 Index Number: -
 Drawn By: LKE
 Checked By: JMG
 Project Manager: JMG

C201

Path & Filename: G:\projects\120001\2809-0072 Forbes-Beeler Streetscape MFT\Draw\02-Sheet\C100 Site Streetscape Plan.dwg
 Plot Date: 2022-11-03 8:52 AM
 User: JMG



ENLARGEMENT 01 - L101

ENLARGEMENT 02 - L102

Date	No	REVISION RECORD
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2023-03-03	07	RESUBMISSION OF PLANS & PHOTOMETRICS
	08	

PLANT SCHEDULE L100

TREES	QTY	BOTANICAL / COMMON NAME	CONT	CAL
	23	Platanus x acerifolia 'Exclamation' / Exclamation London Planetree	B&B	2" CAL.

GROUND COVERS	QTY	BOTANICAL / COMMON NAME	CONT	CAL
	511	Liriope muscari 'Big Blue' / Big Blue Lilyturf	CLUMP #1 CONT.	12" o.c.

LANDSCAPE LEGEND

	PROPOSED LIMITS OF SEEDING
	PROPOSED MULCH EDGE

LANDSCAPE NOTES:

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- TOPSOIL SHALL MEET ASTM D 5288, HAVE A PH RANGE OF 5.5-7, CONTAIN A MINIMUM OF 4% ORGANIC MATERIAL AND BE FREE OF ANY STONES OVER 1" IN ANY DIRECTION AND FREE OF DEBRIS AND NON-ORGANIC MATERIAL. A SOIL SAMPLE SHALL BE TAKEN BY THE CONTRACTOR PRIOR TO PLANTING AND SENT TO A SOIL TESTING LABORATORY RECOGNIZED BY THE STATE DEPARTMENT OF AGRICULTURE. IF REQUIRED, SOIL AMENDMENT TYPES AND QUANTITIES TO BE SUBMITTED FOR REVIEW.
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§918.02.C Street Trees

At least one street tree shall be provided for each thirty linear feet of property adjoining a public street. Street trees shall be planted between the sidewalk and street curb. If planting in that area is not possible, street trees shall be installed within twenty feet of street curb.

Linear feet of curb along Forbes Avenue: 587.50
 Street Trees Required: 20
 Street Trees Provided: 23

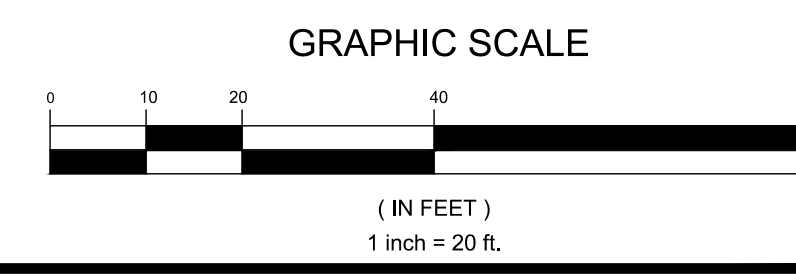
§915.02.D Tree Protection and Replacement

The zoning administrator shall require the protection and preservation of trees with a diameter of 12 inches or more measure at a point 4 feet above grade. If said trees are removed during site preparation or development, they shall be replaced at a minimum equal to the combined total diameter of removed trees.

Inches Removed: 77 Inches (plus 10%) = 84.7-inches
Inches Replaced: 60 Inches
 - Fee in Lieu of Planting: \$7,410
 - 84.7 inches removed - 60 inches planted = 24.7 inches @ \$300 per inch

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 Know what's below.
 Call before you dig.
 Serial No. -

NORTH



FORBES BEELER STREETSCAPE
 5000 FORBES AVENUE
 PITTSBURGH, PA 15213

PREPARED FOR:
CARNEGIE MELLON UNIVERSITY
 417 SOUTH CRAIG STREET, 3RD FLOOR
 PITTSBURGH, PA 15213

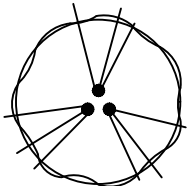
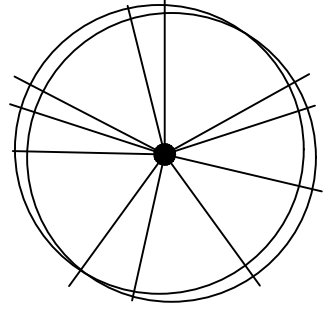
LANDSCAPE PLAN













Project Number: C-12809-0072
 Drawing Scale: 1" = 20'
 Date Issued: NOV 2022
 Index Number: -
 Drawn By: LKE
 Checked By: JMG
 Project Manager: JMG

L100

Path & File Name: G:\projects\1200012809-0072 Forbes-Beeler Streetscape MFT\Drawings\Sheet L100 - Landscape Plan_Cabin Walls.dwg
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 User: JMG
 Plot Device: HP DesignJet 5000

PLANT SCHEDULE L101

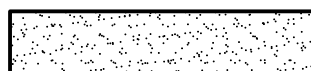
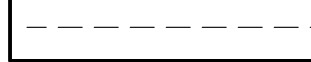
TREES	QTY	BOTANICAL / COMMON NAME	CONT	CAL
	3	Amelanchier x grandiflora 'Autumn Brilliance' / Autumn Brilliance Apple Serviceberry	B&B	2" CAL.
	3	Nyssa sylvatica 'Wildfire' / Wildfire Tupelo	B&B	2" CAL.

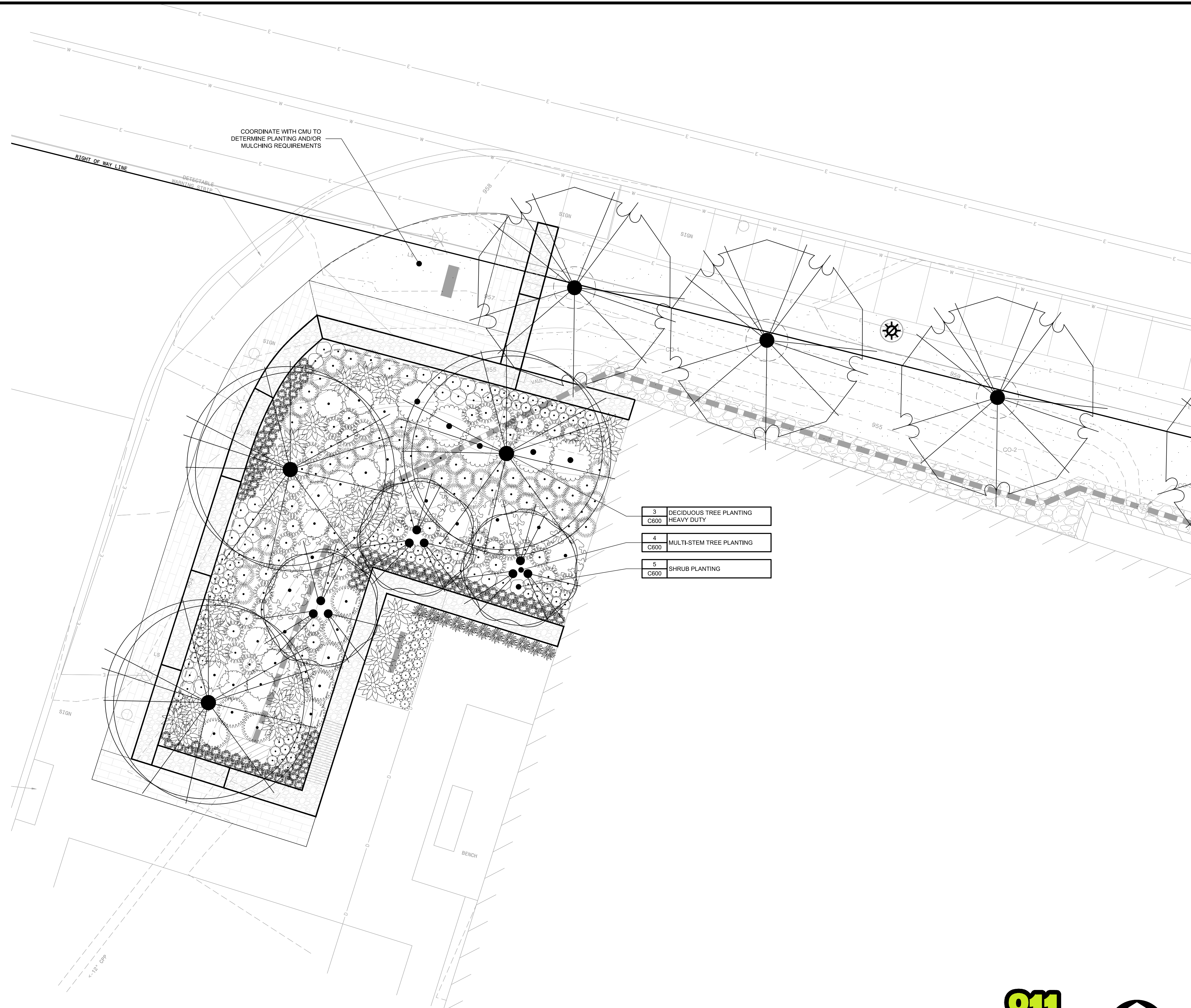
SHRUBS	QTY	BOTANICAL / COMMON NAME	CONT
	78	Allium cernuum / Nodding Onion	CLUMP #1
	8	Aronia melanocarpa 'Troquois Beauty' / Black Chokeberry	#5 Cont. 24" HT.
	29	Baptisia australis / Blue Wild Indigo	#3 Cont.
	49	Bouteloua curtipendula / Side Oats Grama	#2 CONT. CLUMP
	11	Calamagrostis x acutiflora 'Karl Foerster' / Karl Foerster Feather Reed Grass	#2 CONT. CLUMP
	40	Carex pensylvanica / Pennsylvania Sedge	CLUMP #1
	119	Carex stricta / Tussock Sedge	CLUMP #1
	5	Ceanothus americanus / New Jersey Tea	#3 Cont. 18" HT.
	14	Ilex glabra 'Shamrock' / Shamrock Inkberry Holly	#5 Cont. 18" HT.
	26	Lupinus perennis / Wild Lupine	CLUMP #1
	51	Panicum virgatum 'Shenandoah' / Shenandoah Switch Grass	#2 CONT. CLUMP
	8	Pennisetum alopecuroides / Fountain Grass	#2 CONT. CLUMP

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LANDSCAPE LEGEND

	PROPOSED LIMITS OF SEEDING
	PROPOSED MULCH EDGE



3	DECIDUOUS TREE PLANTING
C600	HEAVY DUTY
4	MULTI-STEM TREE PLANTING
C600	
5	SHRUB PLANTING
C600	

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 855-634-9284

REVISION RECORD	
Date	No
2022-10-20	01
2022-10-22	02
2022-11-03	03
2022-11-22	04
2023-01-16	05
2023-02-06	06
2023-03-03	07
	08

FORBES BEELER STREETSCAPE
 5000 FORBES AVENUE
 PITTSBURGH, PA 15213
 PREPARED FOR:
CARNEGIE MELLON UNIVERSITY
 417 SOUTH CRAIG STREET, 3RD FLOOR
 PITTSBURGH, PA 15213



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 Serial No. -



NORTH

LANDSCAPE PLAN
 Project Number: C-12809-0072
 Drawing Scale: 1" = 5'
 Date Issued: NOV 2022
 Index Number: -
 Drawn By: LKE
 Checked By: JMG
 Project Manager: JMG
L101

PLANT SCHEDULE L102

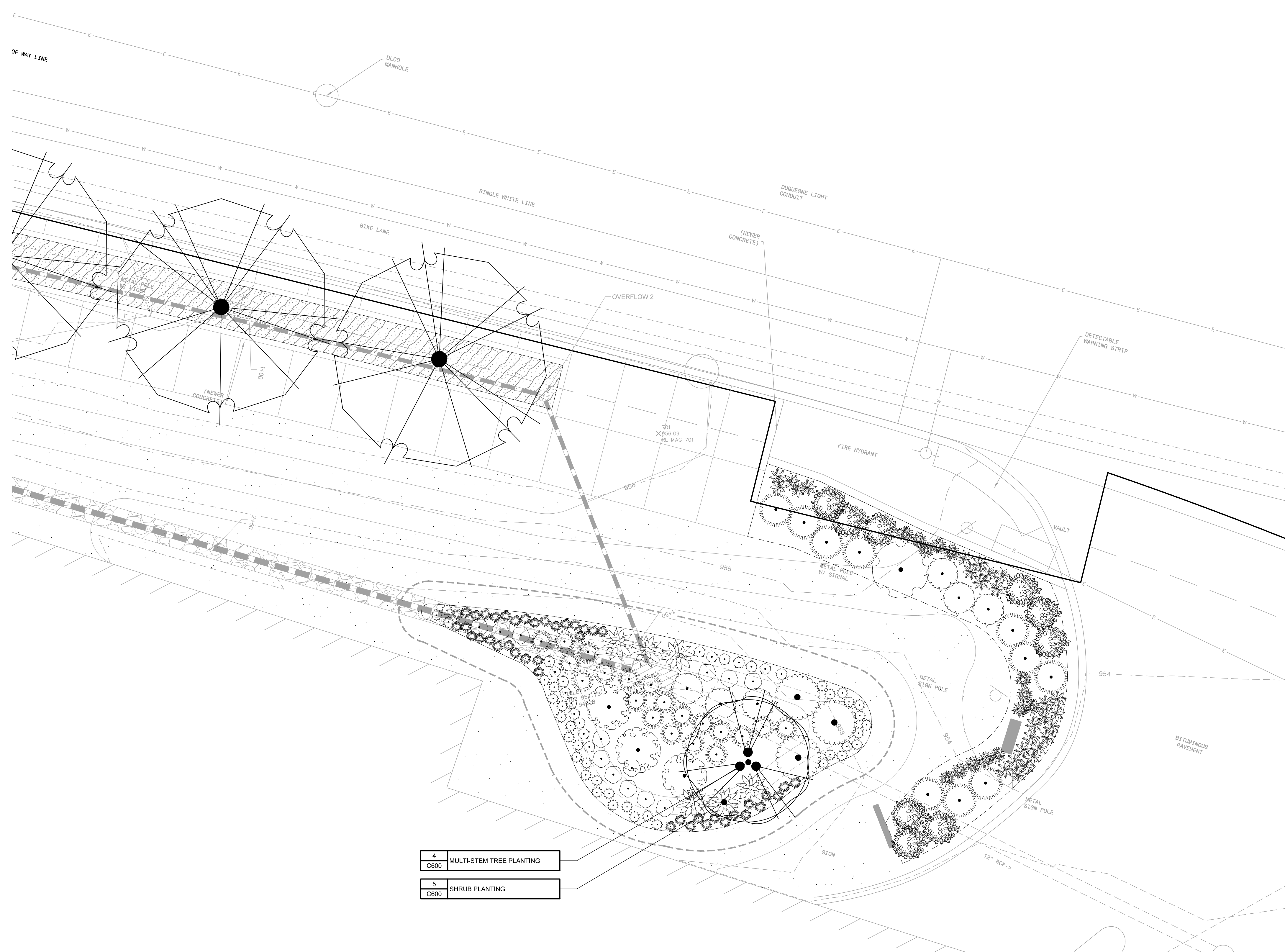
TREES	QTY	BOTANICAL / COMMON NAME	CONT	CAL
	1	Amelanchier x grandiflora 'Autumn Brilliance' / Autumn Brilliance Apple Serviceberry	B&B	2" CAL.
SHRUBS	QTY	BOTANICAL / COMMON NAME	CONT	
	16	Allium cernuum / Nodding Onion	CLUMP #1	
	3	Aronia melanocarpa 'Tropical Beauty' / Black Chokeberry	#5 Cont. 24" HT.	
	6	Baptisia australis / Blue Wild Indigo	#3 Cont.	
	14	Calamagrostis x acutiflora 'Karl Foerster' / Karl Foerster Feather Reed Grass	#2 CONT. CLUMP	
	35	Carex pensylvanica / Pennsylvania Sedge	CLUMP #1	
	43	Carex stricta / Tussock Sedge	CLUMP #1	
	3	Ceanothus americanus / New Jersey Tea	#3 Cont. 18" HL.	
	1	Cornus stolonifera 'Arctic Fire' / Red Twig Dogwood	#5 Cont. 24" HT.	
	27	Hemerocallis x 'Happy Returns' / Happy Returns Daylily	#2 CONT. CLUMP	
	6	Ilex glabra 'Shamrock' / Shamrock Inkberry Holly	#5 Cont. 18" HL.	
	13	Lupinus perennis / Wild Lupine	CLUMP #1	
	9	Nepeta x faassenii 'Walker's Low' / Walker's Low Catmint	#3 Cont. 24" HL.	
	20	Panicum virgatum 'Shenandoah' / Shenandoah Switch Grass	#2 CONT. CLUMP	
	10	Pennisetum alopecuroides / Fountain Grass	#2 CONT. CLUMP	

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- WARRANTY PERIOD FOR TREES AND SHRUBS IS ONE YEAR. WARRANTY PERIOD FOR GROUNDCOVER, LAWNS, GRASSES AND PERENNIALS IS 6 MONTHS. WARRANTY PERIOD FOR REPLACEMENTS SHALL BE EQUAL TO THE ORIGINAL WARRANTY PERIOD.
- A SATISFACTORY LAWN IS DEFINED AS A HEALTHY, UNIFORM, CLOSE STAND OF GRASS FREE OF WEEDS AND SURFACE IRREGULARITIES WITH COVERAGE EXCEEDING 90% OVER 10 SQUARE FEET WITH NO BARE SPOTS EXCEEDING A 5'x5' SQUARE.
- REFER TO LANDSCAPE DETAIL SHEETS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION PERTAINING TO INSTALLATION OF LANDSCAPE INCLUDING BUT NOT LIMITED TO MULCHING, STAKING AND SETTING/ SPACING OF PLANTS.

LANDSCAPE LEGEND

	PROPOSED LIMITS OF SEEDING
	PROPOSED MULCH EDGE



811
Know what's below.
Call before you dig.
Serial No. -

NORTH

REVISION RECORD

Date	No	Description
2022-10-20	01	FINAL CMU REVISIONS
2022-10-22	02	MINOR SIDEWALK REVISIONS
2022-11-03	03	MINOR DETAIL REVISIONS
2022-11-22	04	CONSTRUCTION AND DETAIL REVISIONS
2022-01-16	05	RAIN GARDEN VALUE ENGINEERING REVISIONS
2022-02-06	06	LIGHT POLES MOVED TO BACK OF SIDEWALK
2022-03-03	07	RESUBMISSION OF PLANS & PHOTOMETRICS
	08	

FORBES BEELER STREETSCAPE
5000 FORBES AVENUE
PITTSBURGH, PA 15213

CARNEGIE MELLON UNIVERSITY
417 SOUTH CRAIG STREET, 3RD FLOOR
PITTSBURGH, PA 15213

LANDSCAPE PLAN

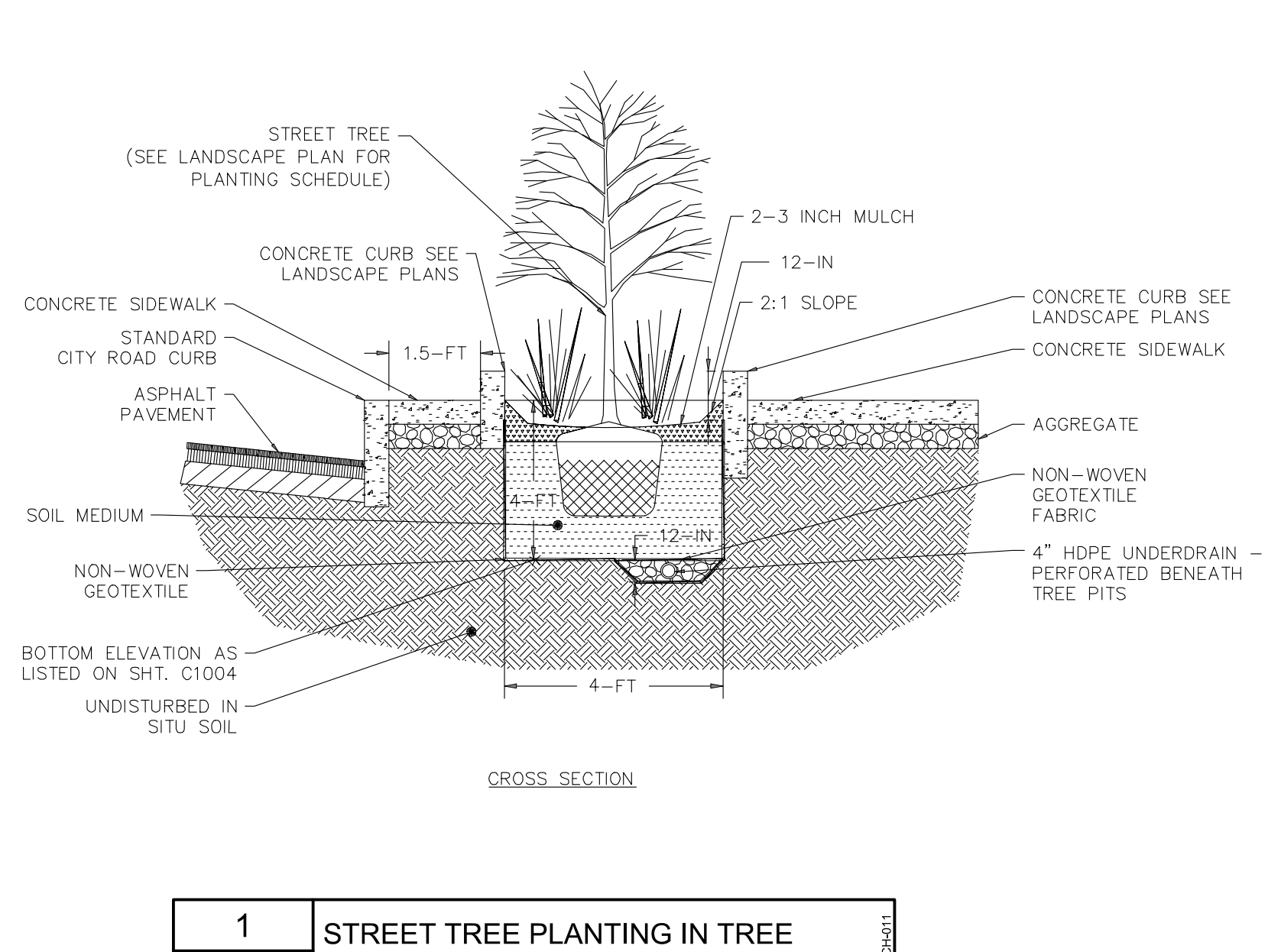
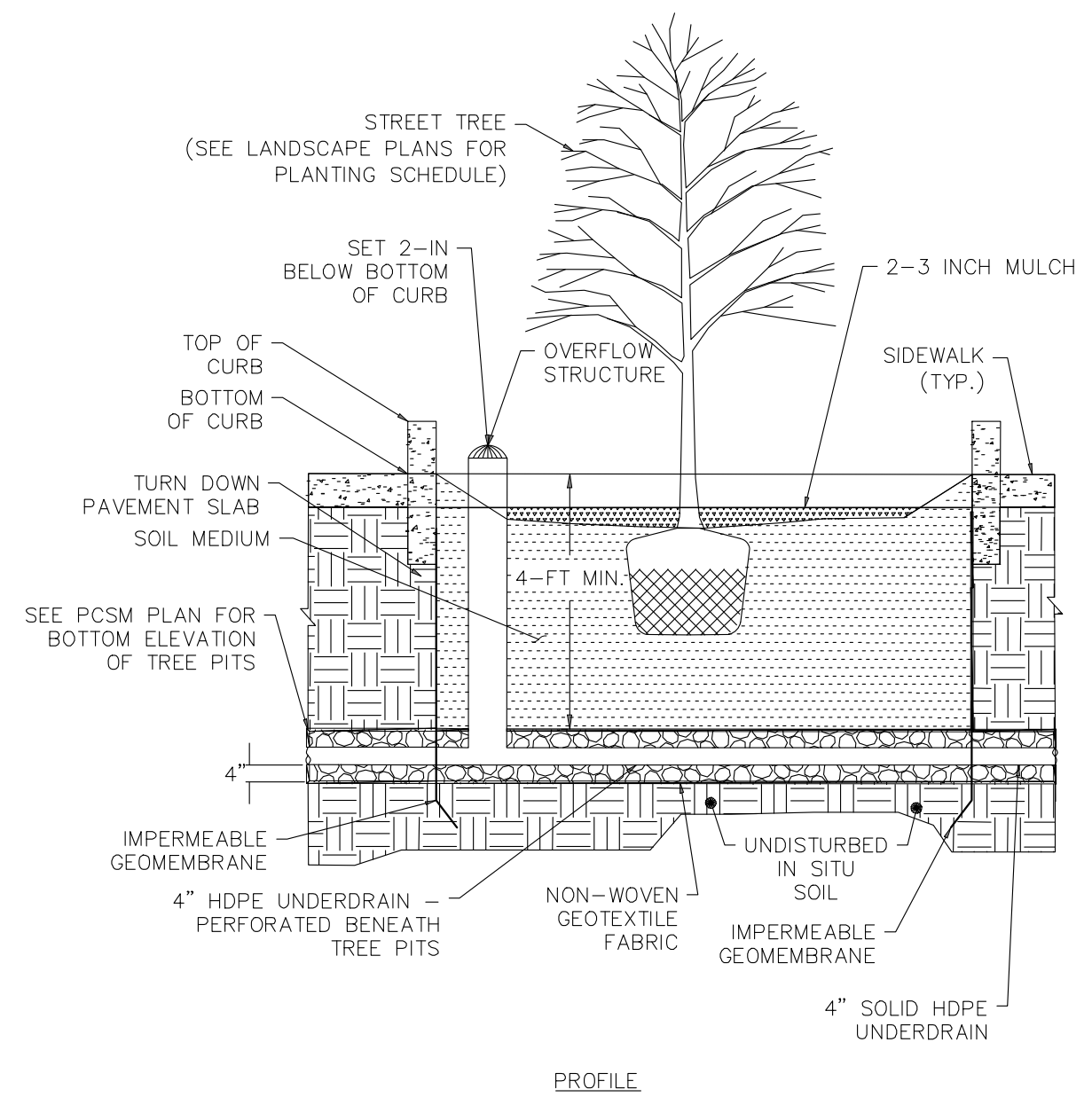
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Drawing Scale: 1" = 5'
Date Issued: NOV 2022
Index Number: -
Drawn By: LKE
Checked By: JMG
Project Manager: JMG

L102

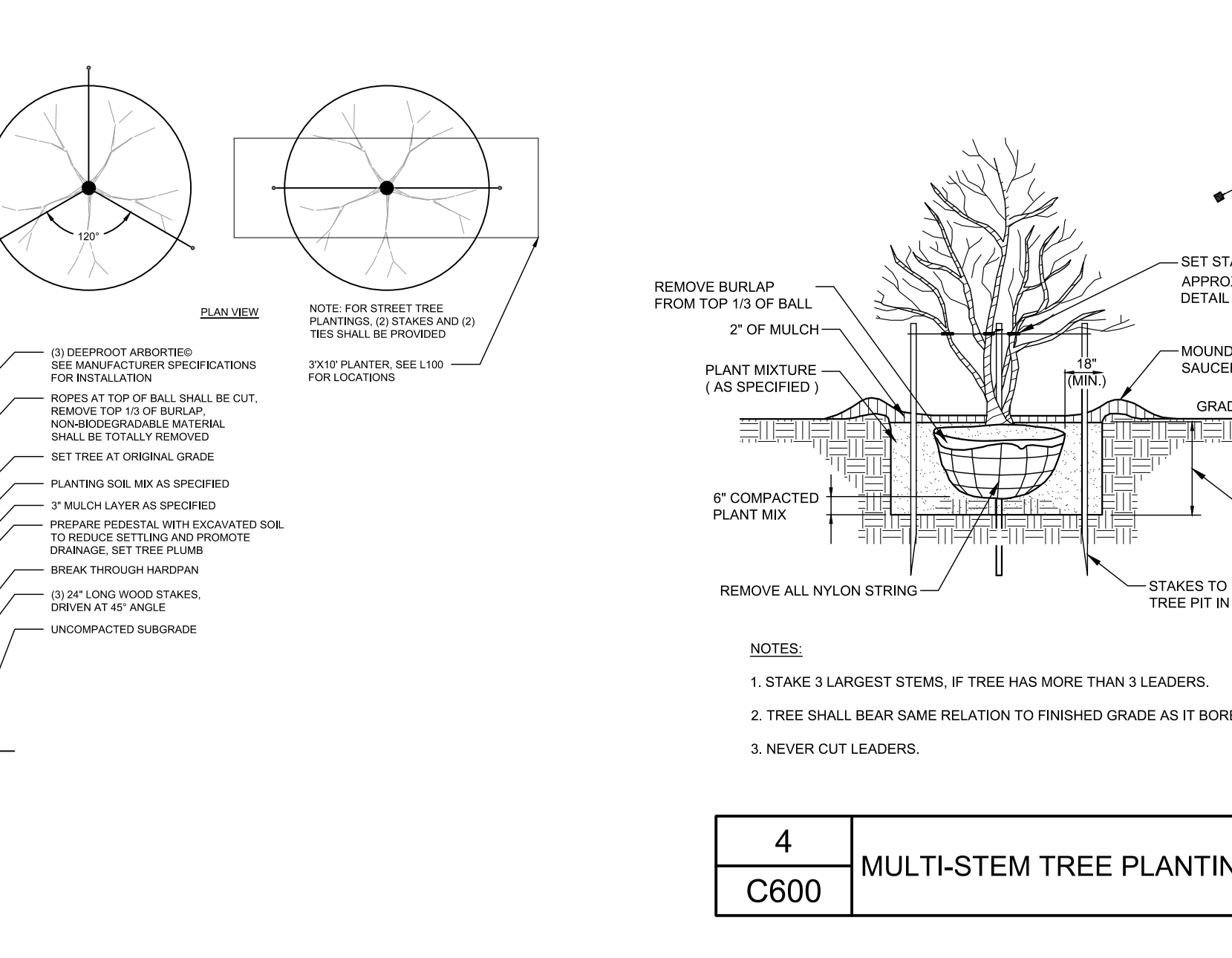
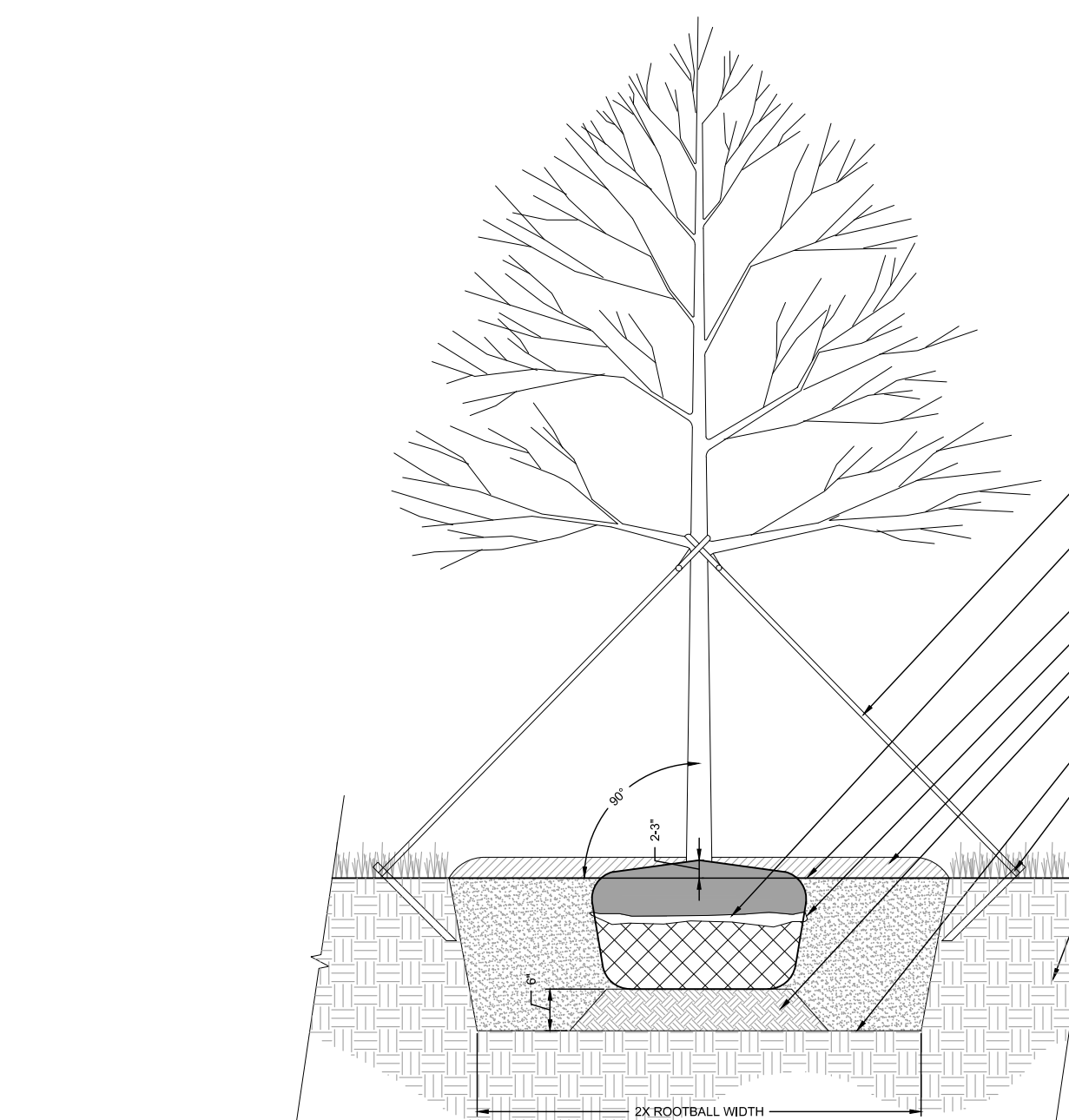
GATEWAY
The Gateway Engineers, Inc.
Full-Service Civil Engineering & Surveying
Pittsburgh, PA
gatewayengineers.com
855-634-8284

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User: Joseph M. Cabinn, P.E.
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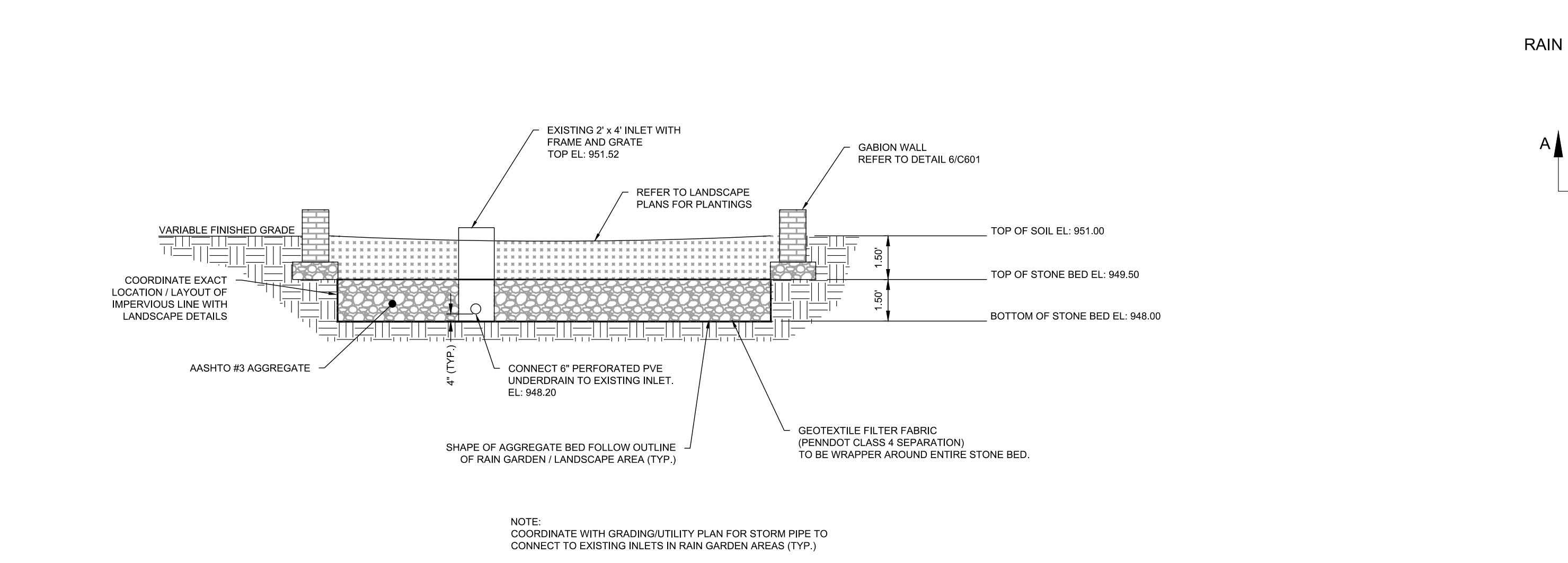


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C600 STREET TREE PLANTING IN TREE PITS



4
C600 MULTI-STEM TREE PLANTING N.T.S.

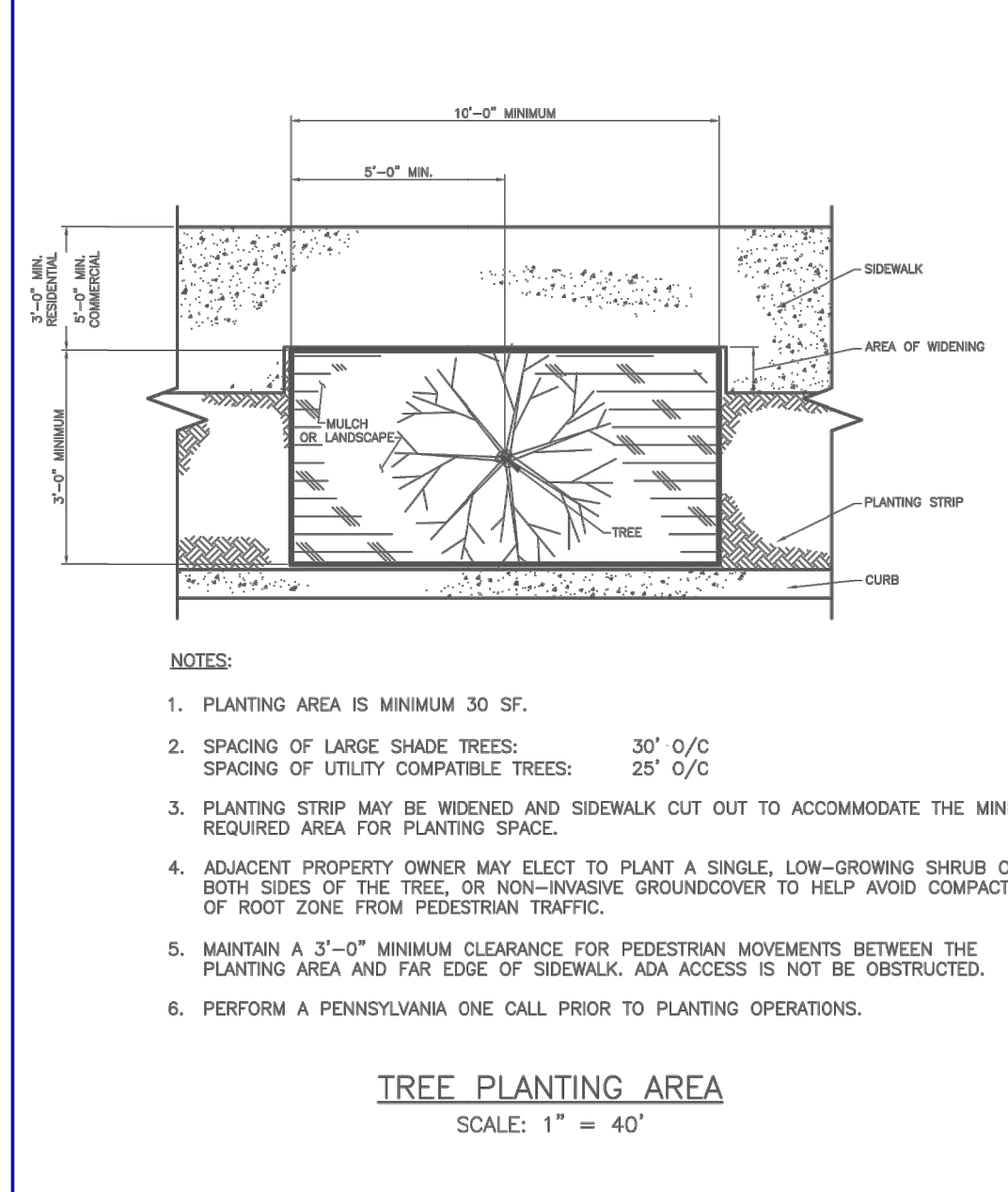
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C600 DECIDUOUS TREE PLANTING HEAVY DUTY N.T.S.



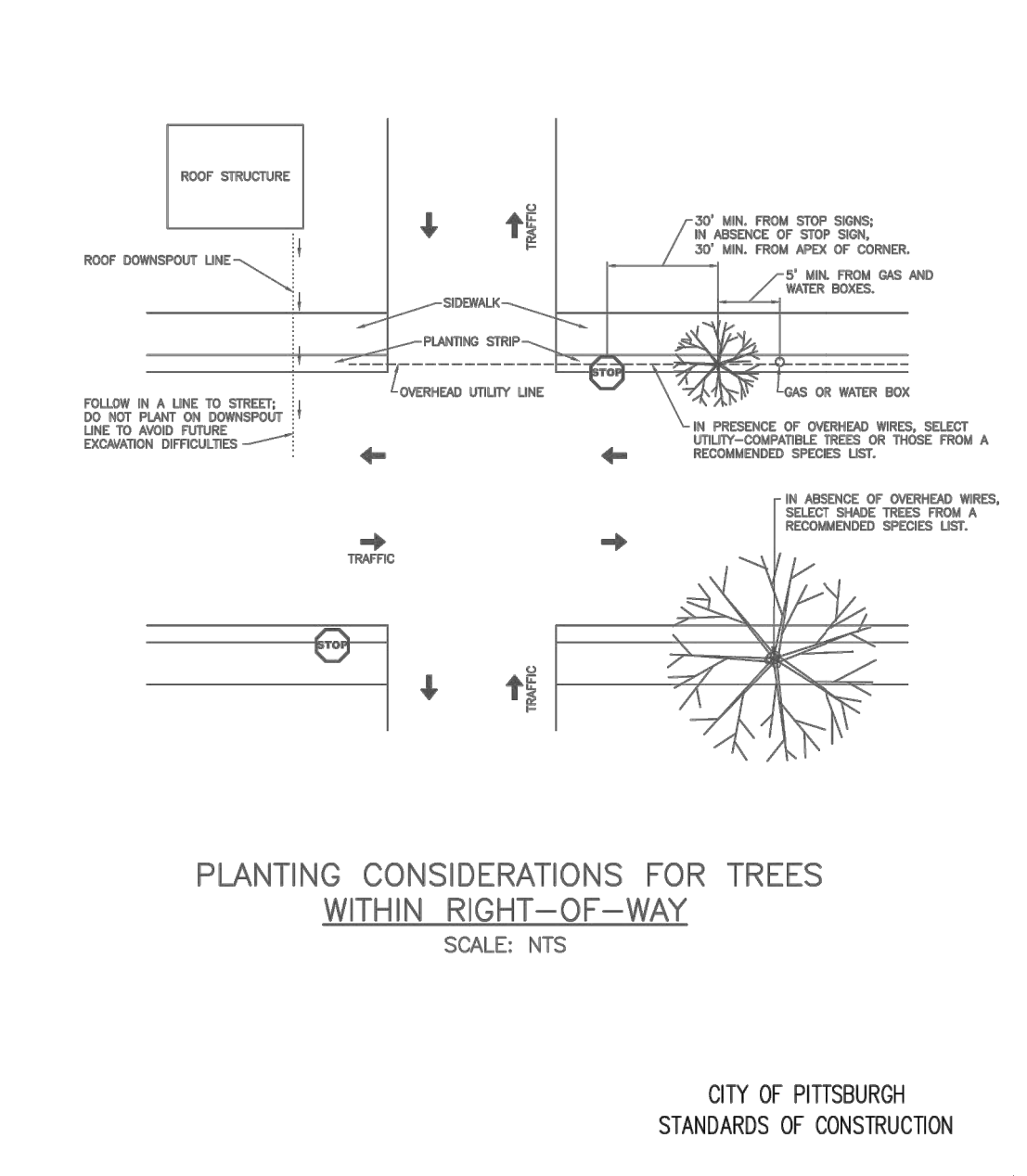
7
C600 TYPICAL SECTION OF WEST RAIN GARDEN (LANDSCAPE AREA)

NOTES:

1. BIORETENTION SOIL COMPOSITION SHOULD BE LOAM SOIL CAPABLE OF SUPPORTING A HEALTHY VEGETATIVE COVER. SOILS SHOULD BE AMENDED WITH A COMPOST ORGANIC MATERIAL. A TYPICAL ORGANIC AMENDED SOIL IS COMBINED WITH 20-30% ORGANIC MATERIAL (COMPOST), AND 70-80% SOIL BASE (PREFERABLY TOPSOIL). PLANTING SOIL SHOULD BE APPROXIMATELY 4 INCHES DEEPER THAN THE BOTTOM OF THE LARGEST ROOT BALL.
2. BIORETENTION SOIL MEDIA SHOULD HAVE A pH OF BETWEEN 5.5 AND 6.5 (BETTER POLLUTANT ADSORPTION AND MICROBIAL ACTIVITY). A CLAY CONTENT LESS THAN 10% (A SMALL AMOUNT OF CLAY IS BENEFICIAL TO ADSORB POLLUTANTS AND RETAIN WATER), BE FREE OF TOXIC SUBSTANCES AND UNWANTED PLANT MATERIAL AND HAVE A 5-10% ORGANIC MATTER CONTENT. ADDITIONAL ORGANIC MATTER CAN BE ADDED TO THE SOIL TO INCREASE WATER HOLDING CAPACITY (TESTS SHOULD BE CONDUCTED TO DETERMINE VOLUME STORAGE CAPACITY OF AMENDED SOILS).
3. PLANTING PERIOD - TREES AND SHRUBS SHOULD BE PLANTED FROM MID-MARCH THROUGH THE END OF JUNE, OR MID-SEPTEMBER THROUGH MID-NOVEMBER.
4. A MAXIMUM OF 2 TO 3 INCHES OF SHREDDED MULCH OR LEAF COMPOST (OR OTHER COMPARABLE PRODUCT) SHOULD BE UNIFORMLY APPLIED IMMEDIATELY AFTER SHRUBS AND TREES ARE PLANTED TO PREVENT EROSION, ENHANCE METAL REMOVALS, AND SIMULATE LEAF LITTER IN A NATURAL FOREST SYSTEM. WOOD CHIPS SHOULD BE AVOIDED AS THEY TEND TO FLOAT DURING INUNDATION PERIODS. MULCH COMPOST LAYER SHOULD NOT EXCEED 3 INCHES IN DEPTH SO AS NOT RESTRICT OXYGEN FLOW TO THE ROOTS.

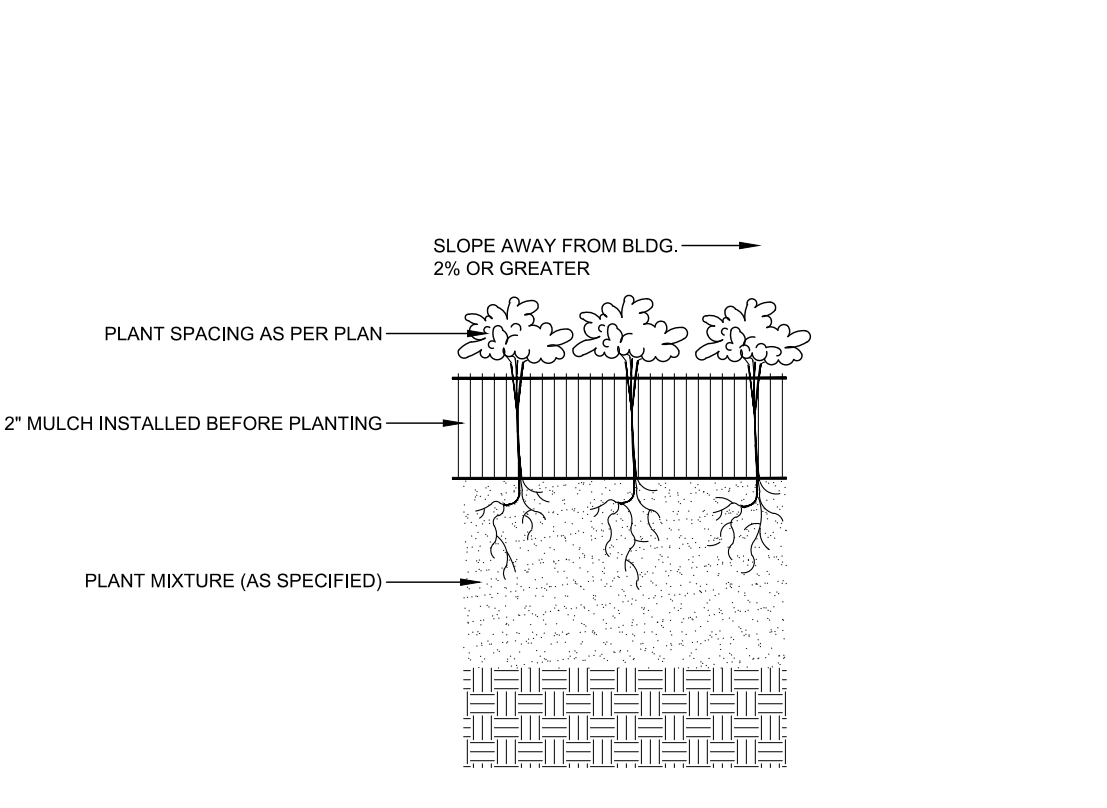
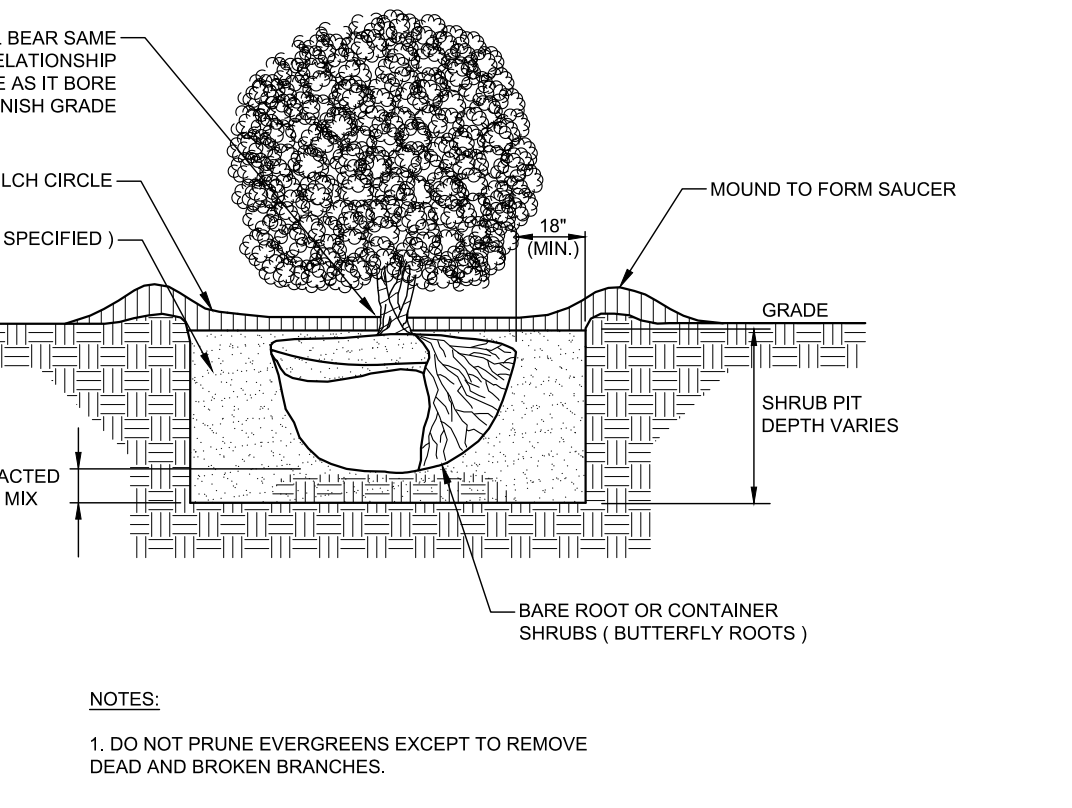


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C600 CITY OF PITTSBURGH STREET TREE PLANTING

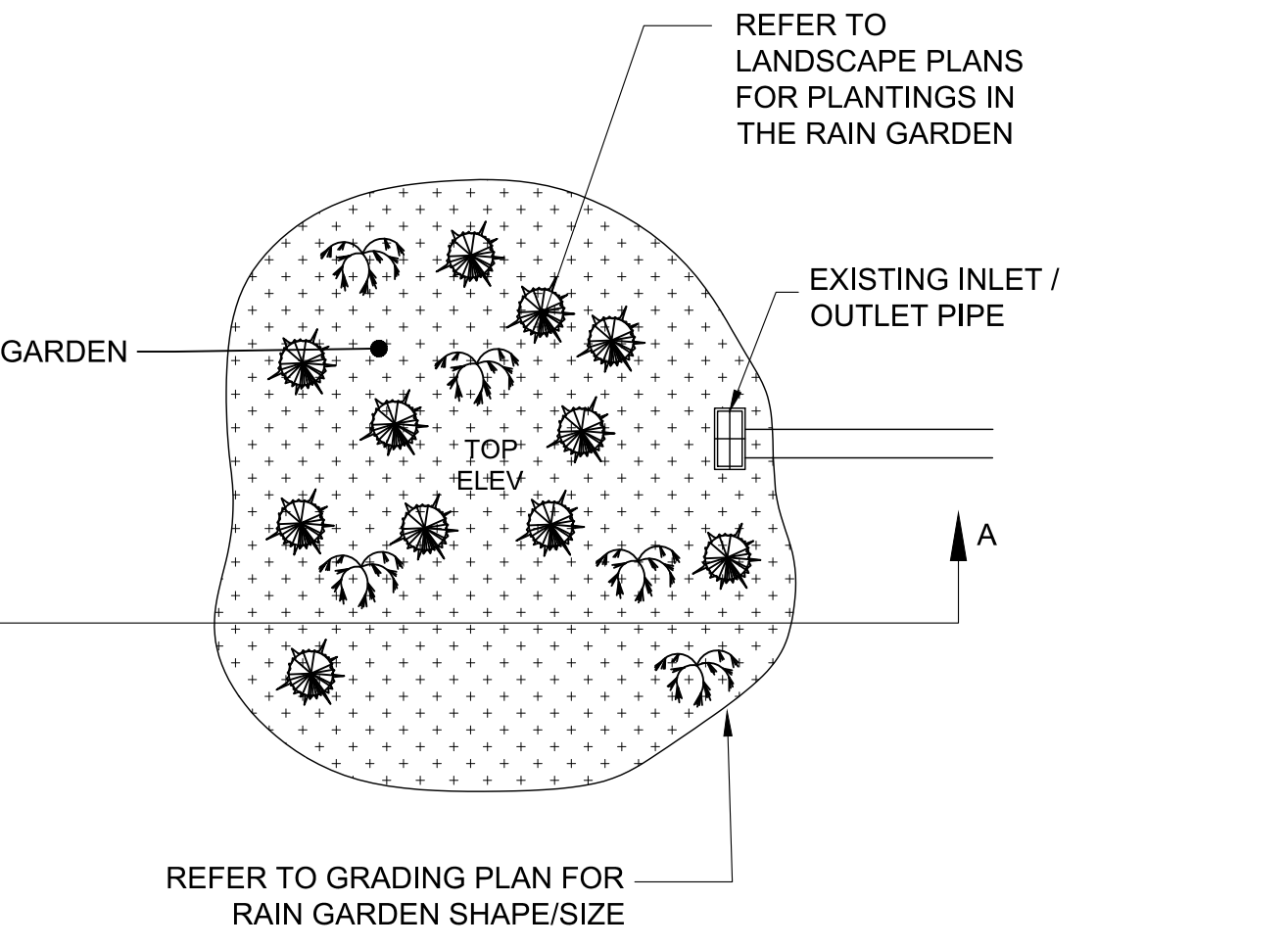


PLANTING CONSIDERATIONS FOR TREES WITHIN RIGHT-OF-WAY
SCALE: N.T.S.

5
C600 SHRUB PLANTING N.T.S.

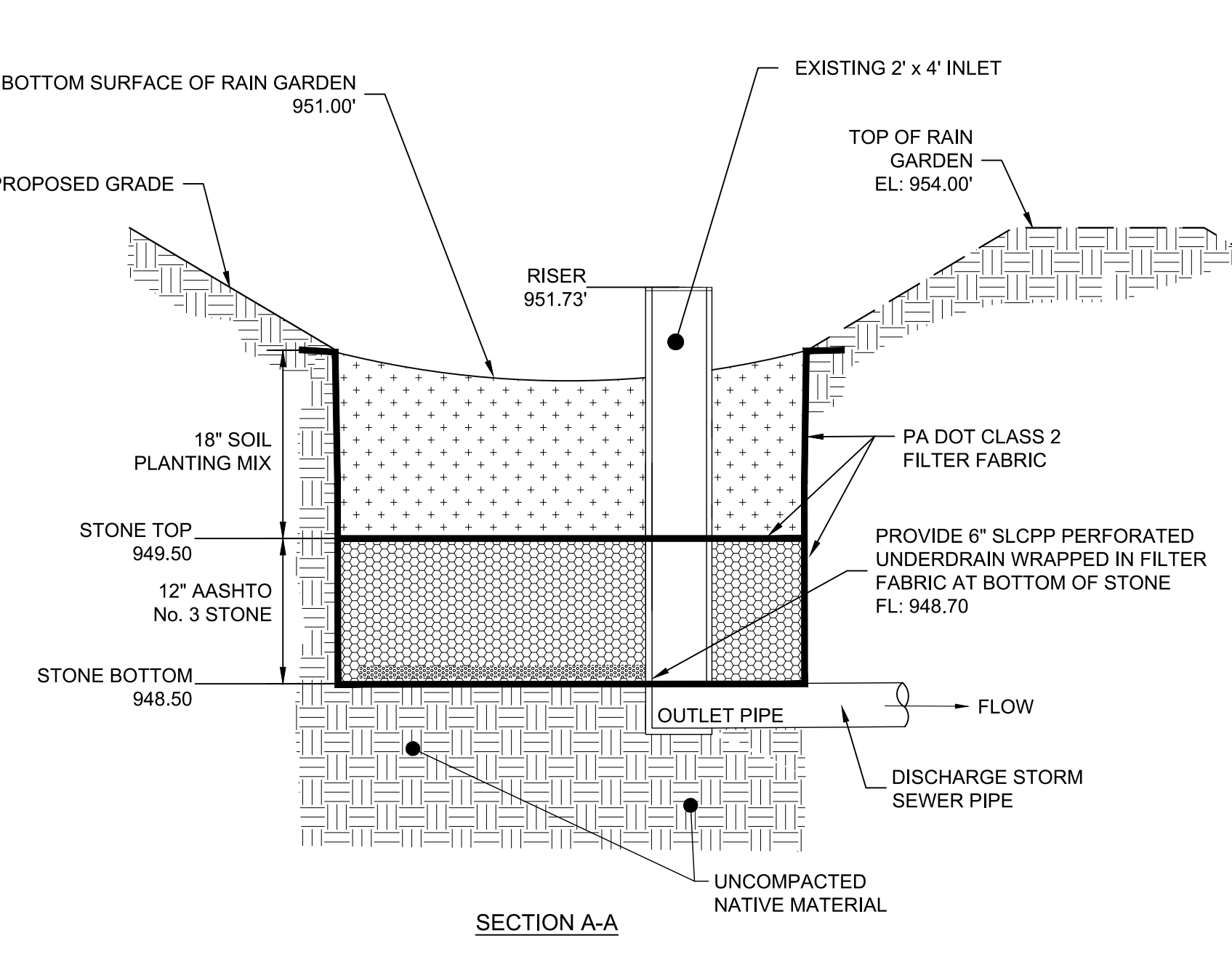


6
C600 GROUNDCOVER N.T.S.



NOTES:

- 1.) SOIL/PLANTING MIX SHALL BE MIXTURE OF 50% TOPSOIL, 30% SAND, AND 20% COMPOST.
- 2.) THE SOIL/PLANTING MIX SHALL HAVE A DESIGN INFILTRATION RATE OF 0.5 IN/HR.
- 2.) REFER TO LANDSCAPE PLAN FOR PLANTINGS OF RAIN GARDEN.

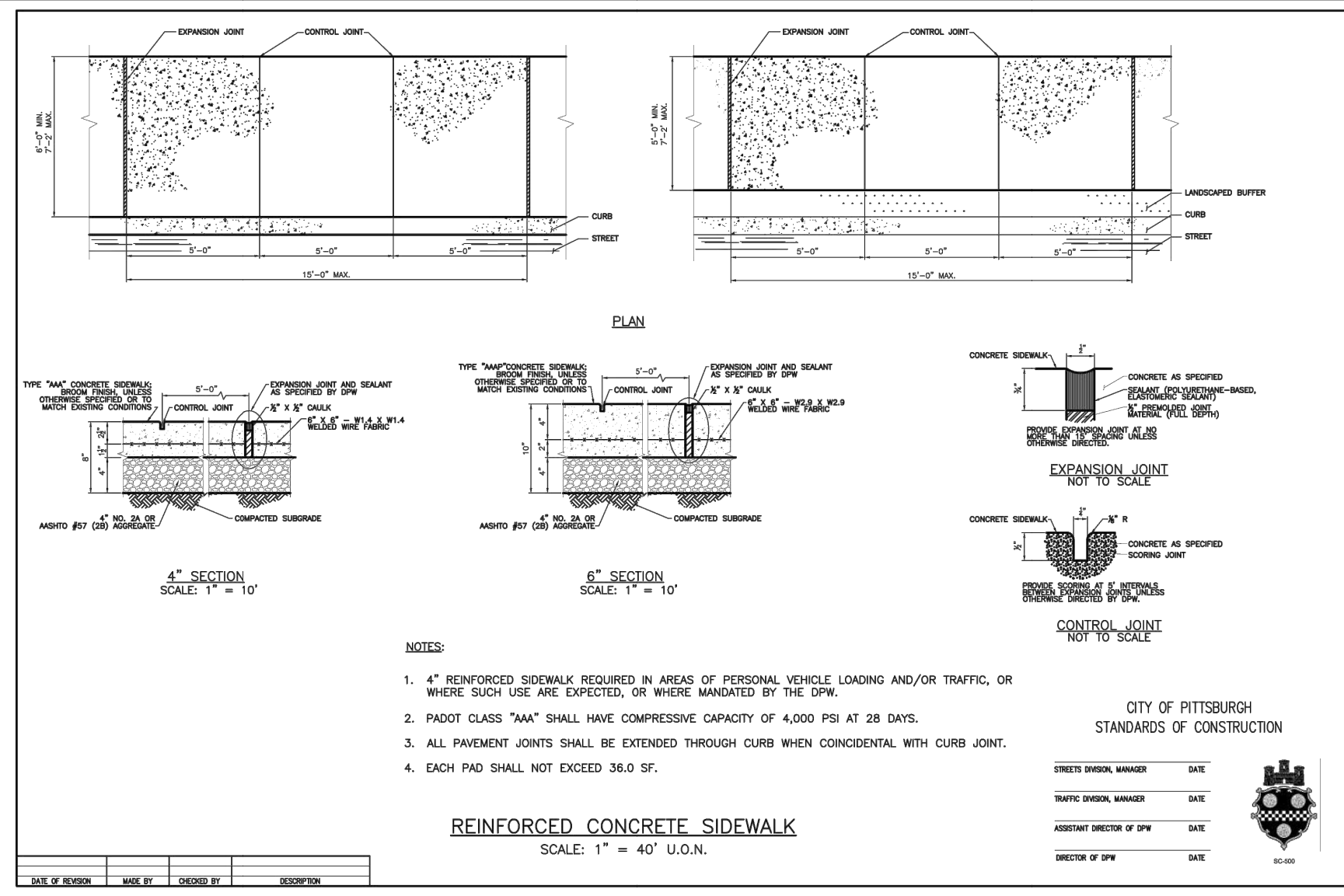


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C600 TYPICAL SECTION OF EAST RAIN GARDEN (LANDSCAPE AREA)

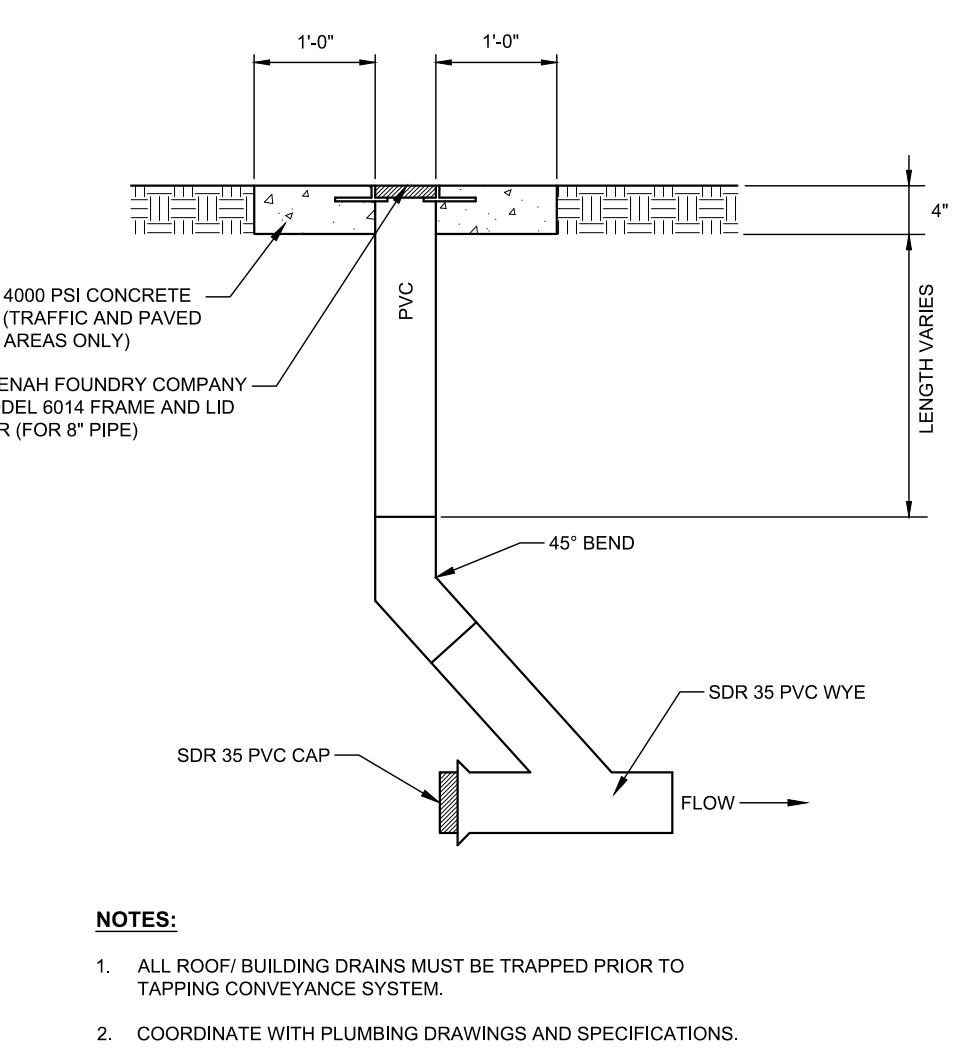
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FINAL CMU REVISIONS	01	2022-10-20	
MINOR SIDEWALK REVISIONS	02	2022-10-22	
MINOR DETAIL REVISIONS	03	2022-11-03	
CONSTRUCTION AND DETAIL REVISIONS	04	2022-11-22	
RAIN GARDEN VALUE ENGINEERING REVISIONS	05	2023-01-16	
LIGHT POLES MOVED TO BACK OF SIDEWALK	06	2023-02-06	
RESUBMISSION OF PLANS & PHOTOMETRICS	07	2023-03-03	
	08		

FORBES BEELER STREETScape
5000 FORBES AVENUE
PITTSBURGH, PA 15213
CARNEGIE MELLON UNIVERSITY
417 SOUTH CRAIG STREET, 3RD FLOOR
PITTSBURGH, PA 15213

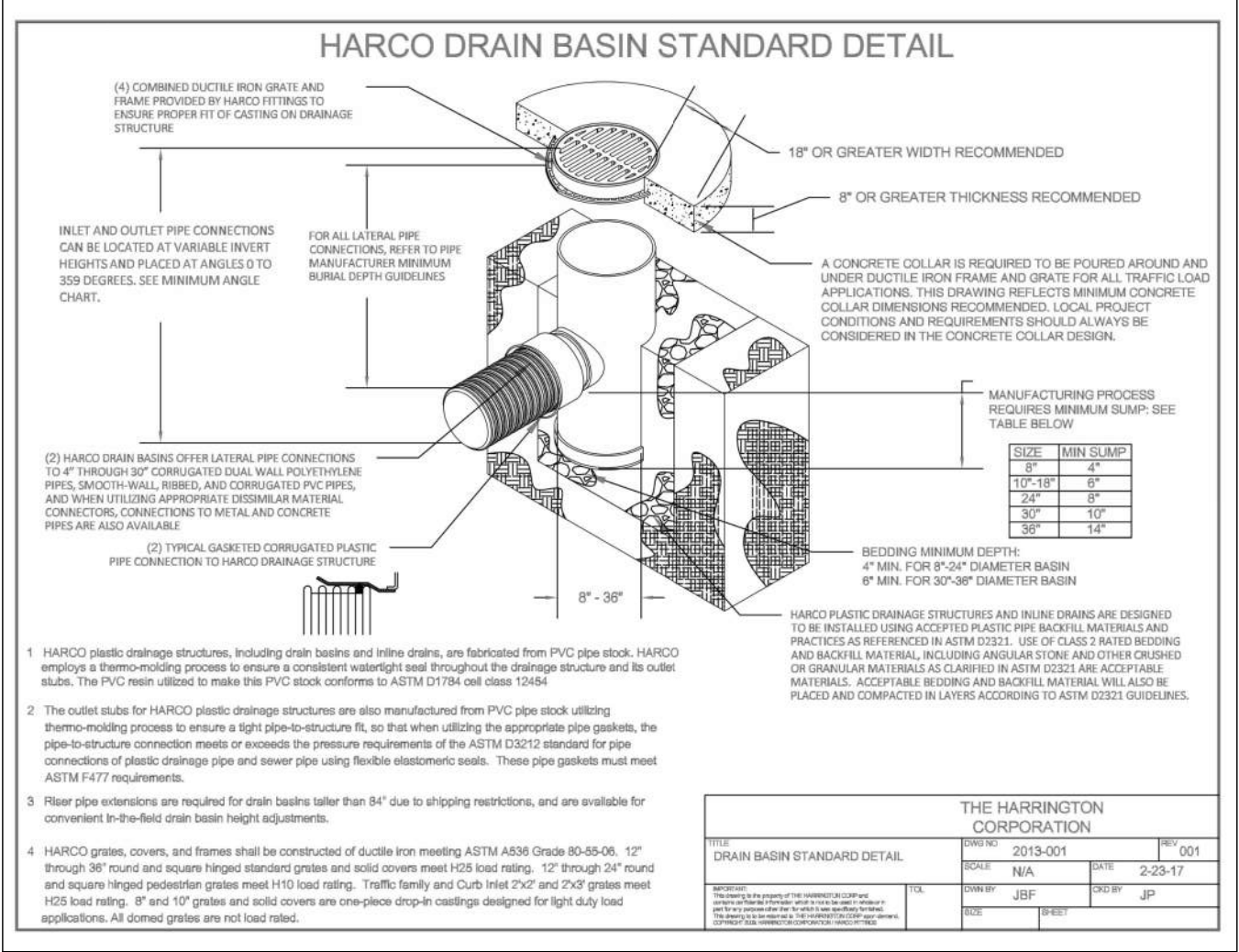
CONSTRUCTION DETAILS
Project Number: C-12809-0072
Drawing Scale: N.T.S.
Date Issued: NOV 2022
Index Number:
Drawn By: LKE
Checked By: JMG
Project Manager: JMG
C600



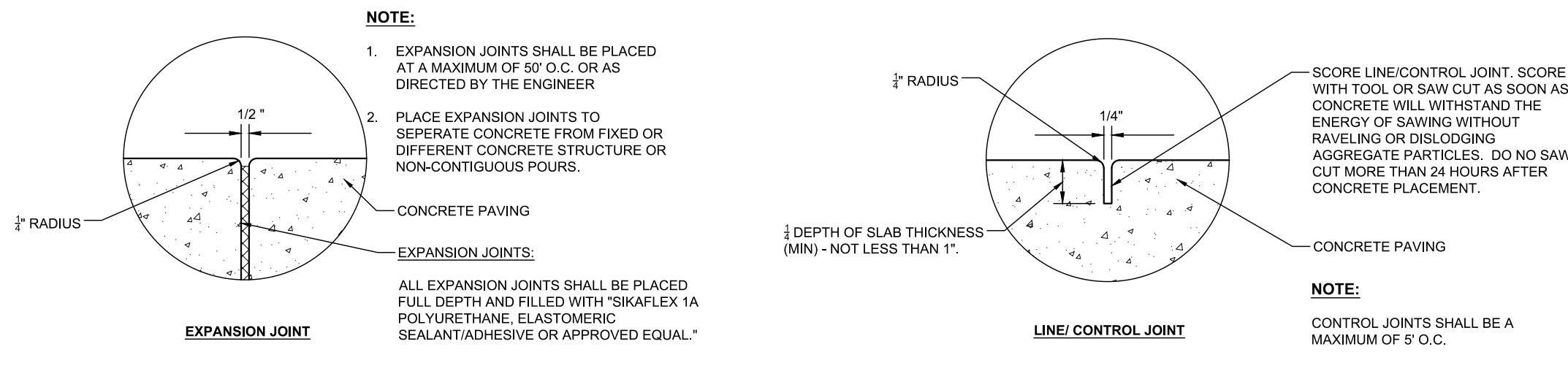
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C601 CITY OF PITTSBURGH REINFORCED CONCRETE SIDEWALK



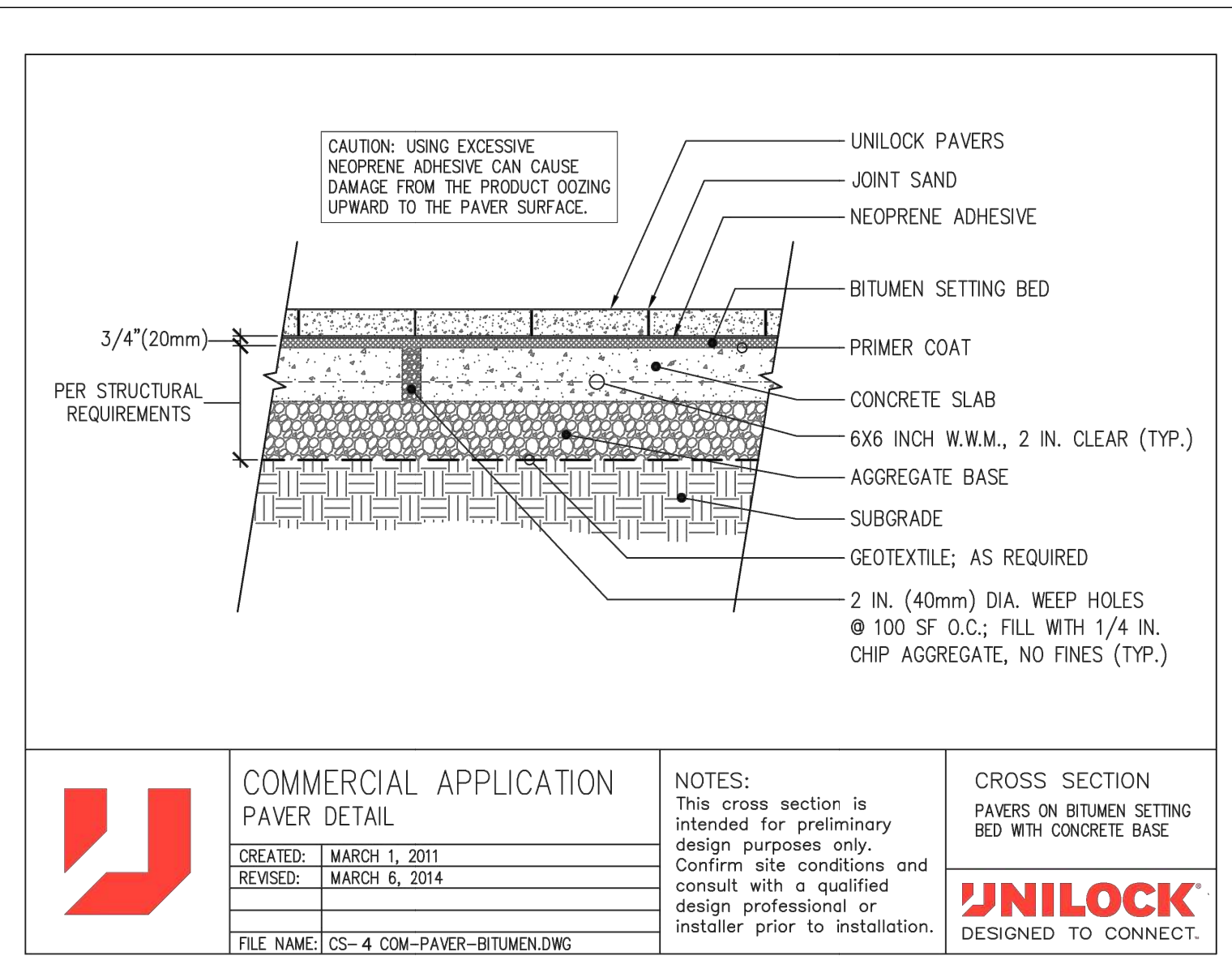
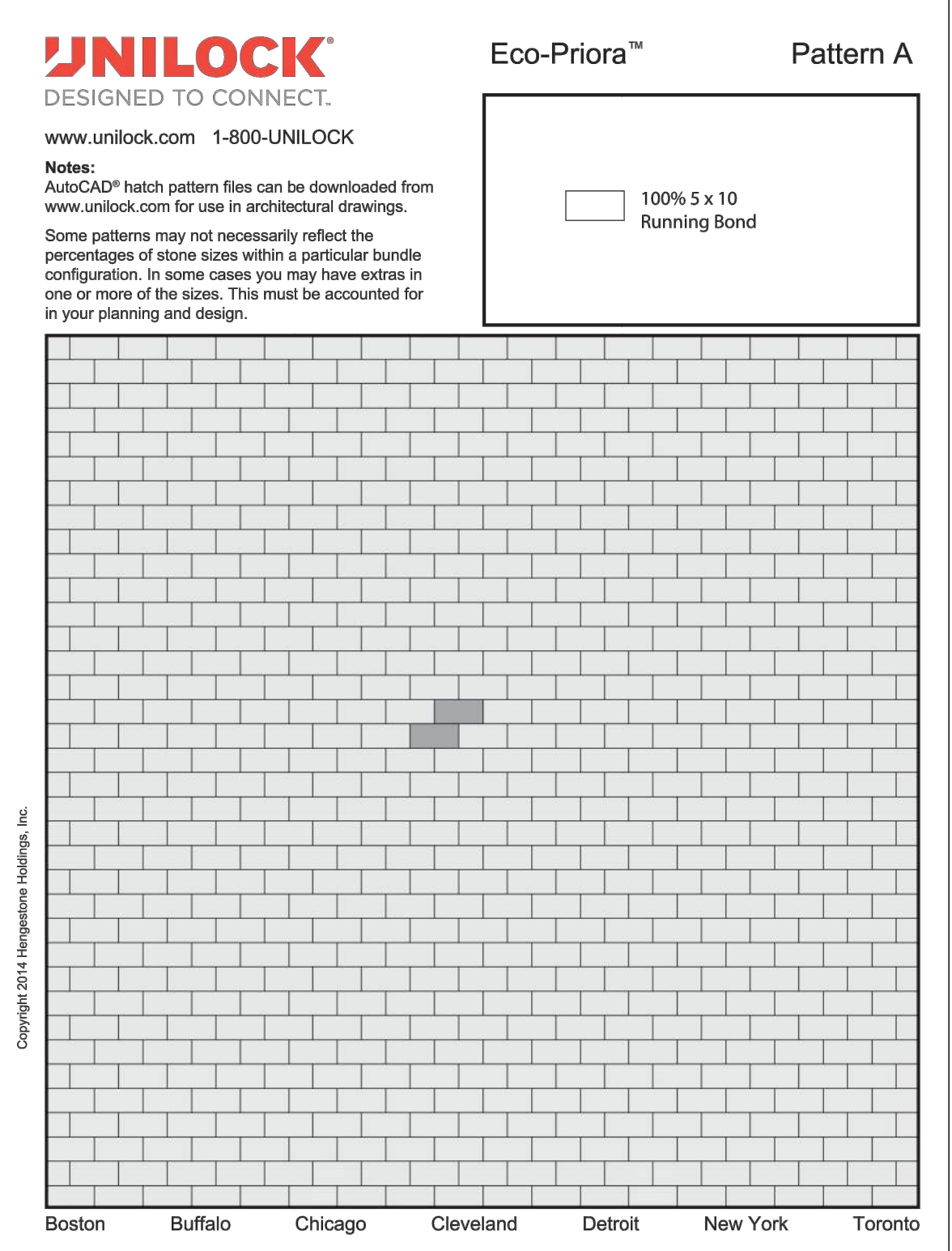
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C601 CLEANOUT



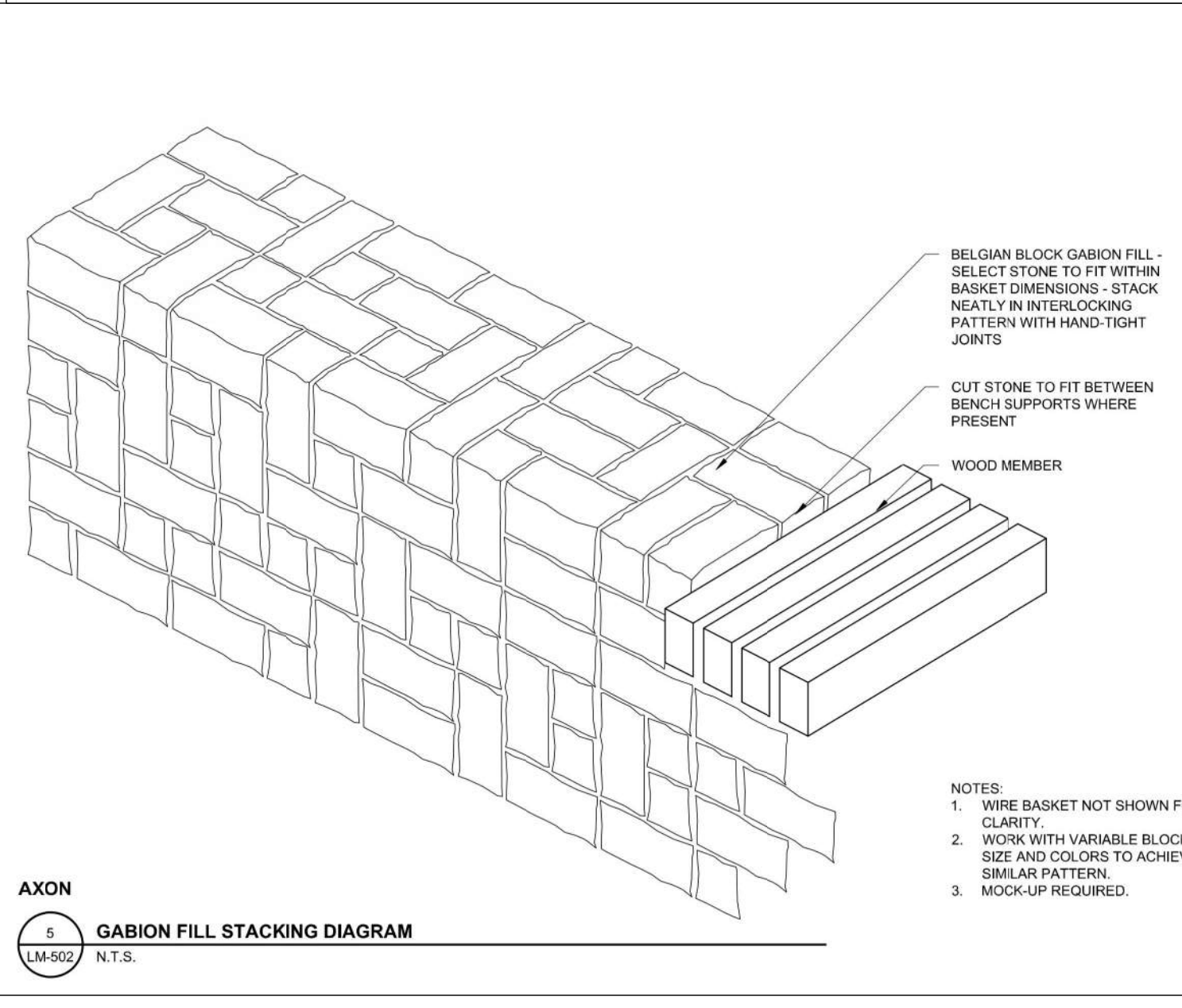
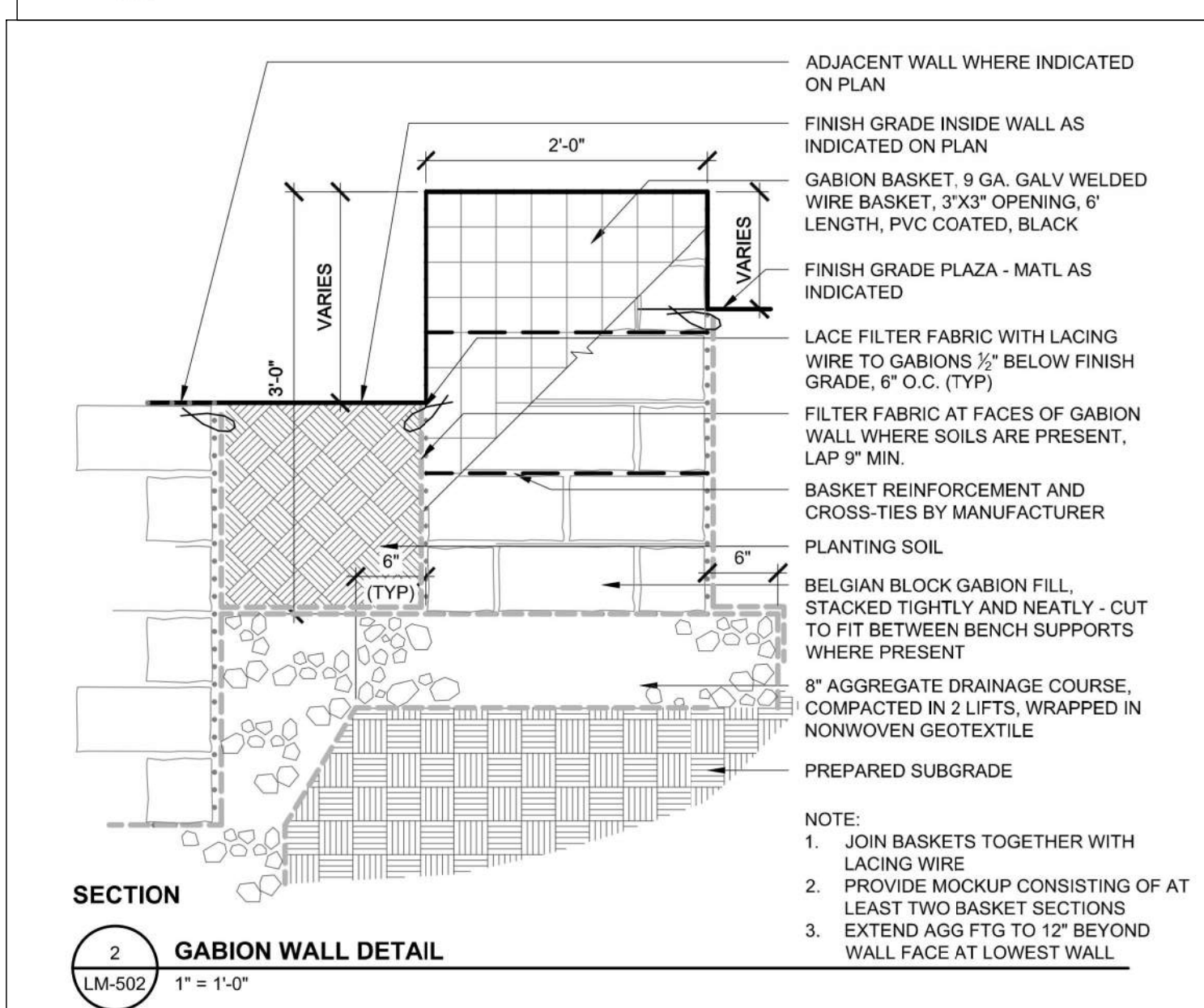
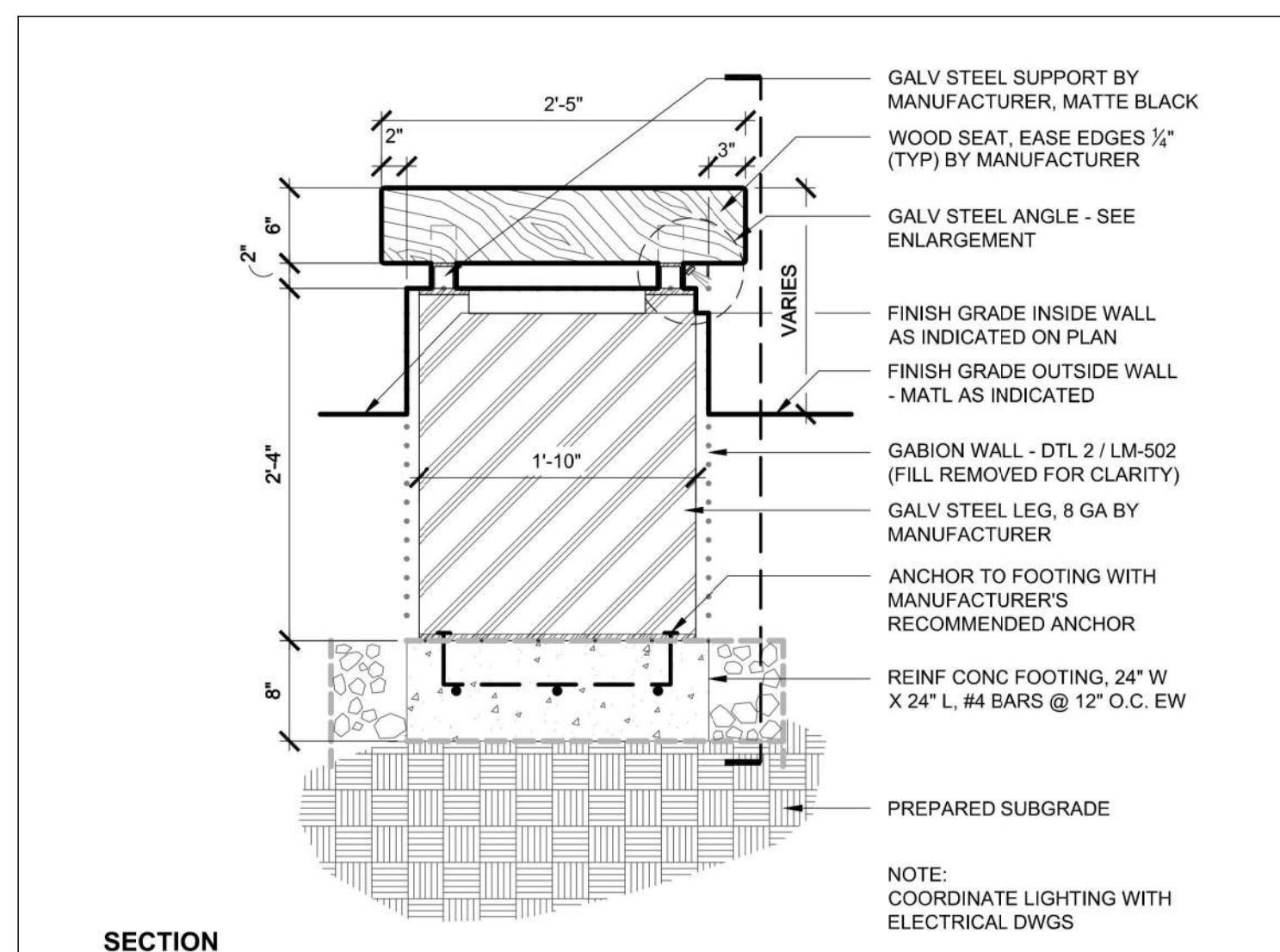
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C601 OVERFLOW STRUCTURE



2
C601 CONCRETE EXPANSION/SCORE LINE/CONTROL



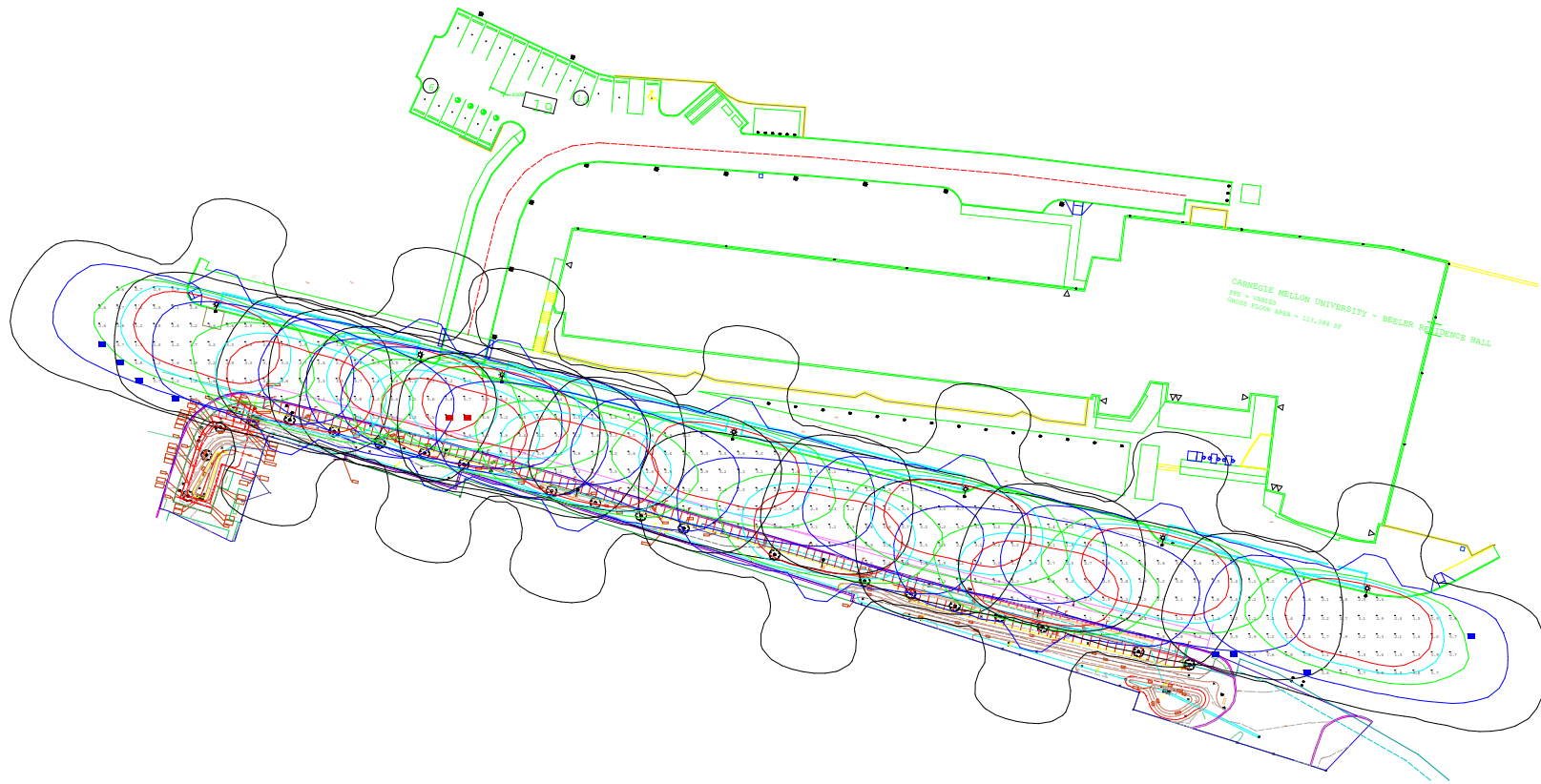
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C601 PAVERS 9 (NATURAL)



6
C601 GABION WALL DETAILS DETAILS FROM COHON DESIGN PLANS

REVISION RECORD

Date	No	Description
2022-10-20	01	FINAL CMU REVISIONS
2022-10-20	02	MINOR SIDEWALK REVISIONS
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	08	



Luminaire Schedule

Symbol	Qty	Label	Arrangement	Lum. Watts	LLF	Filename	Arm	Description
—●	12	0800NP4SH3X15030XXE	SINGLE	146.8	0.810	0800NP4SH3X15030XXE.	4	K803-P4SH-III-150(SSL)-8084-3K 30'L.C.

Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
ROADWAY	Illuminance	Fc	2.47	6.0	0.5	4.94	12.00



King Luminaire StressCrete
 Est. 1953
THE STRESSCRETE GROUP

Manufacturing Locations:

Burlington, Ontario: 1-800-268-7809
 Northport, Alabama: 1-800-435-6563
 Atchison, Kansas: 1-800-837-1024
 Jefferson, Ohio: 1-800-268-7809

PROJECT/FILE NAME:

Q-2302051 - FORBES AVENUE

DATE:

03/02/23

CALC. BY:

V.V.

AGI FILE NAME:

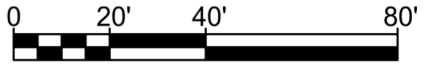
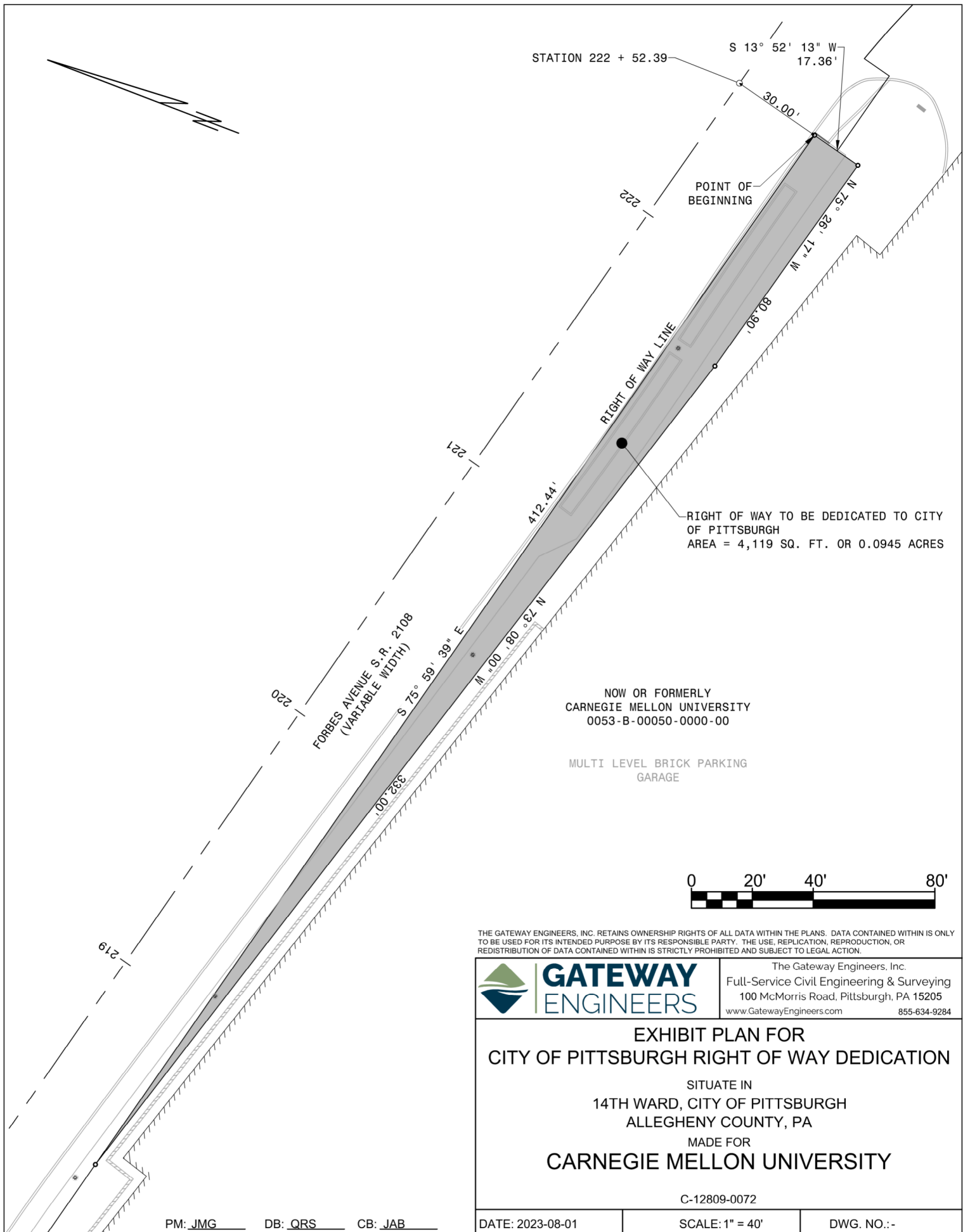
Q-2302051 - FORBES AVENUE REV.A.AGI

REV:

0

REVISION DATE/DESCRIPTION:

XX



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 GATEWAY ENGINEERS	The Gateway Engineers, Inc. Full-Service Civil Engineering & Surveying 100 McMorris Road, Pittsburgh, PA 15205 www.GatewayEngineers.com 855-634-9284
	EXHIBIT PLAN FOR CITY OF PITTSBURGH RIGHT OF WAY DEDICATION

SITUATE IN
 14TH WARD, CITY OF PITTSBURGH
 ALLEGHENY COUNTY, PA
 MADE FOR
CARNEGIE MELLON UNIVERSITY

C-12809-0072

PM: JMG DB: QRS CB: JAB

DATE: 2023-08-01	SCALE: 1" = 40'	DWG. NO.: -
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C-12809-0072
August 1, 2023

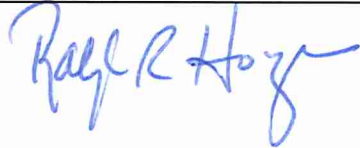
**CITY OF PITTSBURGH RIGHT OF WAY DEDICATION
THROUGH LANDS OF CARNEGIE MELLON UNIVERSITY**

All that certain right of way dedication, situate in the 14th Ward, City of Pittsburgh, Allegheny County, Pennsylvania, more particularly bound and described as follows:

Beginning at a point on the southerly right of way line of Forbes Avenue, S.R. 2108, variable width, said point being at centerline station 222+52.39 offset 30.00 feet right; thence from said point of beginning by the southerly right of way line of said Forbes Avenue and through lands now or formerly of Carnegie Mellon University S 13° 52' 13" W a distance of 17.36 feet to a point; thence continuing through lands now or formerly of Carnegie Mellon University N 75° 26' 17" W a distance of 80.90 feet to a point; thence continuing through same N 73° 08' 00" W a distance of 332.00 feet to a point on the southerly right of way line of said Forbes Avenue; thence by the southerly right of way line of said Forbes Avenue S 75° 59' 39" E a distance of 412.44 feet to a point, at the point of beginning.

Petition to Dedicate a Portion of Carnegie Mellon University property to the City of Pittsburgh for the Forbes Ave Right-Of-Way

08-Aug-23

Property Owner Name	Address & Zip Code	Lot & Block	Representative	Signature	Date
1 Carnegie Mellon University	5000 Forbes Ave, 15213	53-B-50	Ralph H. Horgan, AVP		8/8/23

Notarization:

Karen L. Spells August 8, 2023

