



A FULL-SERVICE CIVIL ENGINEERING FIRM

THE GATEWAY ENGINEERS, INC.

100 MCMORRIS ROAD.  
PITTSBURGH, PA 15205

412-921-4030 PHONE  
412-921-9960 FAX

[www.GatewayEngineers.com](http://www.GatewayEngineers.com)

May 9, 2025

Kim Lucas, Director  
Department of Mobility and Infrastructure  
414 Grant Street  
Pittsburgh, PA 15219

Dear Ms. Lucas,

We are hereby respectfully requesting an Encroachment Permit be granted for a proposed wall, steps, and planters for a community parklet located at the intersection of Grape Street and Bausman Street (Parcels 14-R-00230, 14-R-00231, and 14-R-00233).

The wall, steps, and planters will be installed within the public Right-Of-Way (ROW) fronting Grape Street and Bausman Street. The encroachment request will be confined to a 11.51-foot-wide portion of Grape Street starting approximately 11.51 feet northeast of the westerly property line corner abutting Parcel 14-R-229, then running east along Grape Street for 91.87 feet, then running south along Bausman Street for 61.66 feet, and then running 7.41 feet west to the southeastern property line corner abutting Parcel 14-R-235 at its terminus.

The proposed community parklet consists of construction of amphitheater-style seating, a jungle gym, benches, planters, a treehouse, among other park amenities. The project will also involve new utility upgrades within the public ROW. All work within the City of Pittsburgh ROW will be done in accordance with City Department of Public Works and Engineering requirements.

Thank you for your anticipated cooperation in this matter. Should you need anything else for review and/or any questions arise, please do not hesitate to contact me directly.

Sincerely,

A handwritten signature in black ink that reads "Andrea M. Matthews".

Andrea M. Matthews

Executive Director  
Brashear CARES Center



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November 6, 2025

Amy Ivoska  
Department of Mobility and Infrastructure  
414 Grant Street  
Pittsburgh, PA 15219

Dear Ms. Ivoska,

On behalf of The Brashear Association, The Gateway Engineers, Inc., is submitting this letter in response to the Encroachment Permit OneStop Review by the Pittsburgh Department of Mobility and Infrastructure dated October 27, 2025. We are hereby respectfully requesting an Encroachment Permit be granted for proposed wall, steps, and planters for a community parklet located at the intersection of Grape Street and Bausman Street (Parcels 14-R-00230, 14-R-00231, and 14-R-00233).

The wall, steps, and planters will be installed within the public Right-Of-Way (ROW) fronting Grape Street and Bausman Street. The encroachment request will be confined to a 11.51-foot-wide portion of Grape Street starting approximately 11.51 feet northeast of the westerly property line corner abutting Parcel 14-R-229, then running east along Grape Street for 91.87 feet, then running south along Bausman Street for 61.66 feet, and then running 7.41 feet west to the southeastern property line corner abutting Parcel 14-R-235 at its terminus.

The project faces extreme hardship regarding the existing right-of-way lines. As seen on the existing conditions plan, the ROW is extremely wide and encroaches into private property. Additionally, the existing topography within the ROW is steep sloping from Ibis Way down to Grape Street, thereby requiring retaining walls to 'flatten' area for the proposed parklet. There are also existing stairs within the Grape Street ROW, which we intend to remove and reconstruct as shown on the plans. This is the only way to achieve sidewalk connectivity to the site without sacrificing park programming, which is already limited due to topographic challenges. As previously coordinated with DOMI and shown on the plan, the three proposed planters are not permanently fixed and can be moved as needed. The same overall principle is applied to Bausman Street, however there are less encroachments proposed. The only necessary features are one retaining wall segment (again due to existing/proposed grades) and sidewalk connection to the site.

The project will also involve new utility upgrades within the public ROW, such as affected utilities, the replacement of reinforced concrete sidewalk, and ADA accessible ramps. The ADA Ramp at the intersection of Bausman Street and Grape Street is classified as a PennDOT Type 2 (Diagonal) Curb Ramp. The ramp has also been modified for the removal of the cheek wall behind the landing space and is referenced in the Curb Ramp Exhibit provided with the encroachment permit resubmission. All work within the City of Pittsburgh ROW will be done in accordance with City Department of Public Works and Engineering requirements.

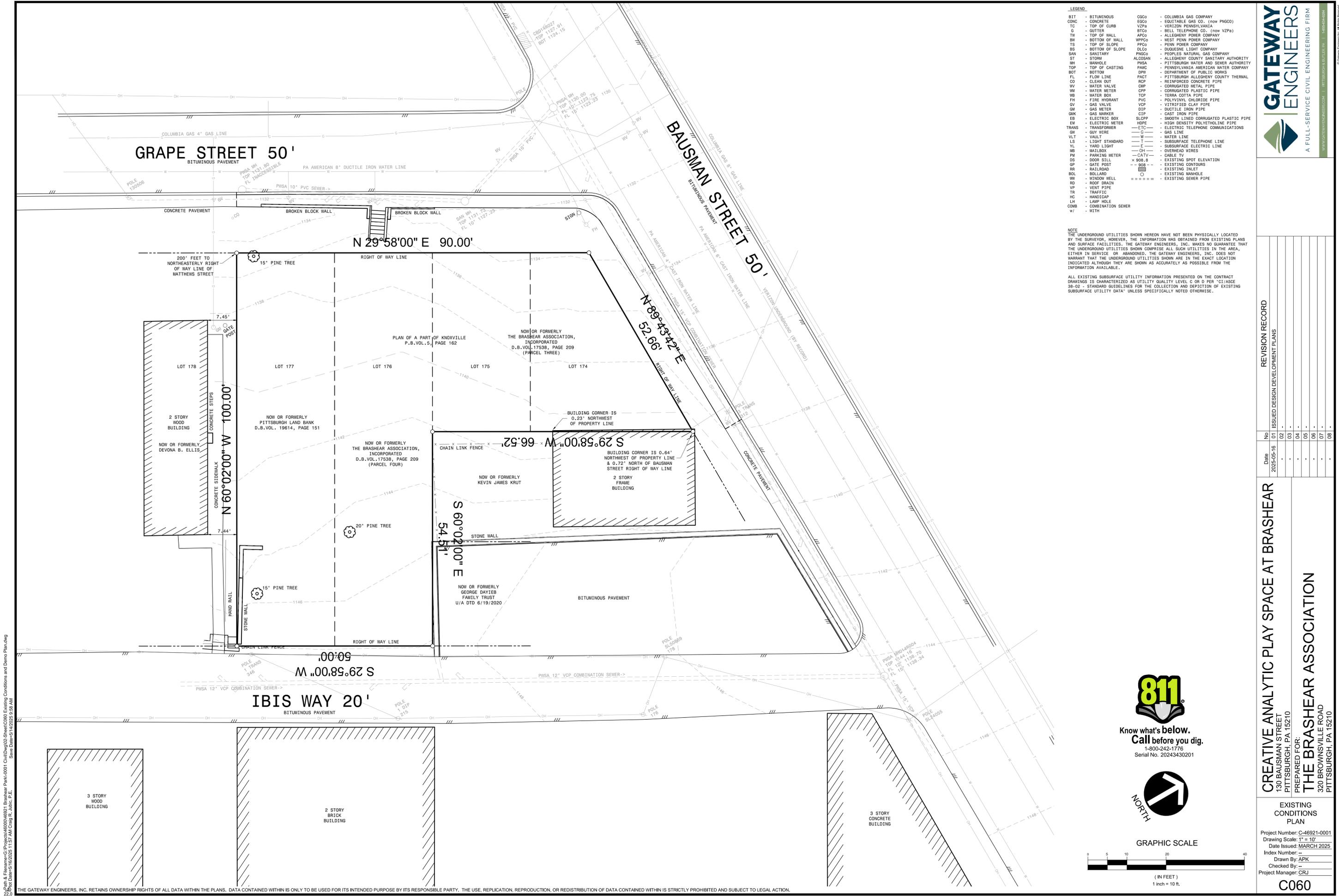
Thank you for your anticipated cooperation in this matter. Should you need anything else for review and/or any questions arise, please do not hesitate to contact me directly.

Sincerely,

A handwritten signature in black ink that reads "Andrea M. Matthews".

Andrea M. Matthews

Executive Director  
Brashear CARES Center



**LEGEND**

BIT - BITUMINOUS	CGCO - COLUMBIA GAS COMPANY	CGCO - COLUMBIA GAS COMPANY
CONC - CONCRETE	EGCO - EQUITABLE GAS CO. (now PNGCO)	EGCO - EQUITABLE GAS CO. (now PNGCO)
TC - TOP OF CURB	VZPA - VERIZON PENNSYLVANIA	VZPA - VERIZON PENNSYLVANIA
G - GUTTER	BTCO - BELL TELEPHONE CO. (now VZPa)	BTCO - BELL TELEPHONE CO. (now VZPa)
TW - TOP OF WALL	APCO - ALLEGHENY POWER COMPANY	APCO - ALLEGHENY POWER COMPANY
BW - BOTTOM OF WALL	WPPCO - WEST PENN POWER COMPANY	WPPCO - WEST PENN POWER COMPANY
TS - TOP OF SLOPE	PPCO - PENN POWER COMPANY	PPCO - PENN POWER COMPANY
BS - BOTTOM OF SLOPE	DLCO - DUQUESNE LIGHT COMPANY	DLCO - DUQUESNE LIGHT COMPANY
SAN - SANITARY	PNGCO - PEOPLES NATURAL GAS COMPANY	PNGCO - PEOPLES NATURAL GAS COMPANY
ST - STORM	ALCOBAN - ALLEGHENY COUNTY SANITARY AUTHORITY	ALCOBAN - ALLEGHENY COUNTY SANITARY AUTHORITY
MM - MANHOLE	PWSA - PITTSBURGH WATER AND SEWER AUTHORITY	PWSA - PITTSBURGH WATER AND SEWER AUTHORITY
TOP - TOP OF CASTING	PAWC - PENNSYLVANIA AMERICAN WATER COMPANY	PAWC - PENNSYLVANIA AMERICAN WATER COMPANY
BOT - BOTTOM	DPW - DEPARTMENT OF PUBLIC WORKS COMPANY	DPW - DEPARTMENT OF PUBLIC WORKS COMPANY
FL - FLOW LINE	PACT - PITTSBURGH ALLEGHENY COUNTY THERMAL	PACT - PITTSBURGH ALLEGHENY COUNTY THERMAL
CO - CLEAN OUT	RCP - REINFORCED CONCRETE PIPE	RCP - REINFORCED CONCRETE PIPE
WV - WATER VALVE	CMP - CORRUGATED METAL PIPE	CMP - CORRUGATED METAL PIPE
WM - WATER METER	CPP - CORRUGATED PLASTIC PIPE	CPP - CORRUGATED PLASTIC PIPE
WB - WATER BOX	TCP - TERRAZO COTTA PIPE	TCP - TERRAZO COTTA PIPE
FW - FIRE HYDRANT	PVC - POLYVINYL CHLORIDE PIPE	PVC - POLYVINYL CHLORIDE PIPE
GV - GAS VALVE	VCP - VITRIFIED CLAY PIPE	VCP - VITRIFIED CLAY PIPE
GM - GAS METER	DIP - DUCTILE IRON PIPE	DIP - DUCTILE IRON PIPE
GMK - GAS MARKER	CIP - CAST IRON PIPE	CIP - CAST IRON PIPE
EB - ELECTRIC BOX	SLCPP - SMOOTH LINED CORRUGATED PLASTIC PIPE	SLCPP - SMOOTH LINED CORRUGATED PLASTIC PIPE
EM - ELECTRIC METER	HDPPE - HIGH DENSITY POLYETHYLENE PIPE	HDPPE - HIGH DENSITY POLYETHYLENE PIPE
TRANS - TRANSFORMER	ETC - ELECTRIC TELEPHONE COMMUNICATIONS	ETC - ELECTRIC TELEPHONE COMMUNICATIONS
GW - GUY WIRE	C - GAS LINE	C - GAS LINE
VLT - VAULT	W - WATER LINE	W - WATER LINE
LS - LIGHT STANDARD	T - SUBSURFACE TELEPHONE LINE	T - SUBSURFACE TELEPHONE LINE
YL - YARD LIGHT	E - SUBSURFACE ELECTRIC LINE	E - SUBSURFACE ELECTRIC LINE
MB - MAILBOX	OH - OVERHEAD WIRES	OH - OVERHEAD WIRES
PM - PARKING METER	CATV - CABLE TV	CATV - CABLE TV
DS - DOOR SILL	X BOB - EXISTING SPOT ELEVATION	X BOB - EXISTING SPOT ELEVATION
GP - GATE POST	-- BOB -- EXISTING CONTOURS	-- BOB -- EXISTING CONTOURS
RR - RAILROAD	- - - - - EXISTING INLET	- - - - - EXISTING INLET
BOL - BOLLARD	○ - EXISTING MANHOLE	○ - EXISTING MANHOLE
WW - WINDOW WELL	==== - EXISTING SEWER PIPE	==== - EXISTING SEWER PIPE
RD - ROOF DRAIN		
VP - VENT PIPE		
TR - TRAFFIC		
HC - HANDICAP		
LH - LAMP HOLE		
COMB - COMBINATION SEWER		
W - WITH		

**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.

ALL EXISTING SUBSURFACE UTILITY INFORMATION PRESENTED ON THE CONTRACT DRAWINGS IS CHARACTERIZED AS UTILITY QUALITY LEVEL C OR D PER "CI/ASCE 38-02 - STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA" UNLESS SPECIFICALLY NOTED OTHERWISE.



**REVISION RECORD**

No	Date	Description
01	2025-05-16	ISSUED DESIGN DEVELOPMENT PLANS
02		
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**CREATIVE ANALYTIC PLAY SPACE AT BRASHEAR**  
 130 BAUSMAN STREET  
 PITTSBURGH, PA 15210

**THE BRASHEAR ASSOCIATION**  
 320 BROWNVILLE ROAD  
 PITTSBURGH, PA 15210

PREPARED FOR:  
 THE BRASHEAR ASSOCIATION

EXISTING CONDITIONS PLAN

Project Number: C-46921-0001  
 Drawing Scale: 1" = 10'  
 Date Issued: MARCH 2025

Index Number:  
 Drawn By: APK  
 Checked By: -  
 Project Manager: CRJ

**C060**

**811**  
 Know what's below.  
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 Serial No. 20243430201

**NORTH**

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

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 Plot Date: 2025-05-16 11:57 AM  
 User: CRJ  
 Save Date: 2025-05-16 11:58 AM

THE GATEWAY ENGINEERS, INC. RETAINS OWNERSHIP RIGHTS OF ALL DATA WITHIN THE PLANS. DATA CONTAINED WITHIN IS ONLY TO BE USED FOR ITS INTENDED PURPOSE BY ITS RESPONSIBLE PARTY. THE USE, REPLICATION, REPRODUCTION, OR REDISTRIBUTION OF DATA CONTAINED WITHIN IS STRICTLY PROHIBITED AND SUBJECT TO LEGAL ACTION.

**DEMOLITION LEGEND**

	EXISTING FEATURES TO REMAIN
	EXISTING FEATURES TO BE REMOVED
	REMOVE BITUMINOUS PAVEMENT, CONCRETE PAVEMENT, CURBING, AND SUBBASE IN ITS ENTIRETY.

- GENERAL DEMOLITION NOTES:**
- THE CONTRACTOR IS RESPONSIBLE FOR ASSURING LOCAL AND STATE PERMITS REQUIRED FOR DEMOLITION WORK HAVE BEEN OBTAINED.
  - THE CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS THE OWNER AND/OR ENGINEER FOR ANY AND ALL INJURIES AND/OR DAMAGES TO PERSONNEL, EQUIPMENT AND/OR EXISTING FACILITIES IN THE DEMOLITION AND CONSTRUCTION DESCRIBED IN THE PLANS AND SPECIFICATIONS.
  - EXISTING CONDITIONS AS DEPICTED ON THESE PLANS ARE GENERAL IN NATURE AND DO NOT INCLUDE MISCELLANEOUS ITEMS. THE CONTRACTOR IS RESPONSIBLE FOR EXAMINING THE SITE PRIOR TO BIDDING. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF EXISTING CONDITIONS ARE SIGNIFICANTLY DIFFERENT THAN SHOWN ON THE PLANS.
  - ALL SALVAGEABLE ITEMS MUST BE STORED BY THE CONTRACTOR AND PROTECTED FROM DAMAGE/THEFT OR DELIVERED TO AN AREA APPROVED BY THE OWNER.
  - UNLESS OTHERWISE NOTED, ALL DEMOLITION WASTE AND CONSTRUCTION DEBRIS SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF IN A STATE APPROVED WASTE SITE AND IN ACCORDANCE WITH ALL LOCAL AND STATE CODES AND PERMIT REQUIREMENTS.
  - ALL UTILITY REMOVAL, RELOCATION, CUTTING, CAPPING AND/OR ABANDONMENT IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE COORDINATED WITH THE APPROPRIATE UTILITY COMPANY.
  - CONTRACTOR SHALL AT ALL TIMES PROTECT ADJACENT STRUCTURES AND ITEMS FROM DAMAGE DUE TO DEMOLITION ACTIVITIES.
  - SAW CUT ALL PAVEMENT PRIOR TO EXCAVATION. SAW CUT PAVEMENT FULL DEPTH WHERE PAVEMENT IS TO BE REMOVED AND WHERE IT ADJUTS PAVEMENT TO REMAIN. PAVEMENT REMOVAL INCLUDES SUBBASE MATERIALS. SAW CUT CONCRETE PAVEMENT TO THE NEXT NEAREST EXISTING JOINT.
  - CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION.
  - CONTRACTOR SHALL PROTECT ALL CORNER PINS, MONUMENTS, PROPERTY CORNERS, AND BENCHMARKS DURING DEMOLITION ACTIVITIES. IF DISTURBED, CONTRACTOR SHALL HAVE THOSE ITEMS RESET BY A LICENSED SURVEYOR AT NO ADDITIONAL COST TO THE OWNER.
  - DEMOLITION CONTRACTOR SHALL COORDINATE EXISTING FACILITIES UTILITY DISCONNECTS WITH THE OWNER AND THE RESPECTIVE UTILITY PROVIDER A MINIMUM OF 7 DAYS PRIOR TO ANTICIPATED DEMOLITION OF STRUCTURES.
  - CONTRACTOR SHALL PROVIDE AND MAINTAIN TRAFFIC CONTROL MEASURES IN ACCORDANCE WITH THE PENNDOT 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 THE LOCAL AND/OR STATE AGENCIES REGARDING THE NEED, EXTENT, AND LIMITATIONS ASSOCIATED WITH INSTALLING AND MAINTAINING TRAFFIC CONTROL MEASURES.
  - THE BURNING OF CLEARED MATERIAL AND DEBRIS SHALL NOT BE ALLOWED UNLESS CONTRACTOR GETS WRITTEN AUTHORIZATION FROM THE LOCAL AUTHORITIES.
  - EROSION AND SEDIMENT CONTROL MEASURES AROUND AREAS OF DEMOLITION SHALL BE INSTALLED PRIOR TO INITIATION OF DEMOLITION ACTIVITIES. REFER TO E&S PLAN FOR DETAILS.
  - ASBESTOS OR HAZARD MATERIALS, IF FOUND ON SITE, SHALL BE REMOVED BY A LICENSED HAZARDOUS MATERIALS CONTRACTOR. CONTRACTOR SHALL NOTIFY OWNER IMMEDIATELY IF HAZARDOUS MATERIALS ARE ENCOUNTERED.
  - ALL DISTURBANCES WITHIN PUBLIC AREAS SHALL BE RESTORED TO THE EXISTING CONDITIONS. ALL STREET AND SIDEWALK DISTURBANCES MUST BE RESTORED PER CURRENT MUNICIPAL SPECIFICATIONS AND REGULATIONS.
  - REMOVE TREES AND SHRUBS IN THEIR ENTIRETY, INCLUDING THE ROOT BALL.
  - UTILITIES MAY NOT BE PUBLICLY OWNED AND MAINTAINED. THEREFORE IT WILL BE NECESSARY FOR THE CONTRACTOR TO LOCATE PRIVATE UTILITIES IN ADVANCE OF ANY EXCAVATIONS.
  - CONTRACTOR SHALL HAVE A SUBSURFACE UTILITY INVESTIGATION PERFORMED IN ADVANCE OF ANY EXCAVATIONS IN AREAS OF WORK.
  - CONTRACTOR SHALL PROTECT EXISTING TREES TO REMAIN IN ACCORDANCE WITH TREE PROTECTION REQUIREMENTS AND MUST CONSULT WITH AN ARBORIST WHERE NOTED.

**REVISION RECORD**

No.	Date	Issued Design Development Plans
01	2022-05-16	
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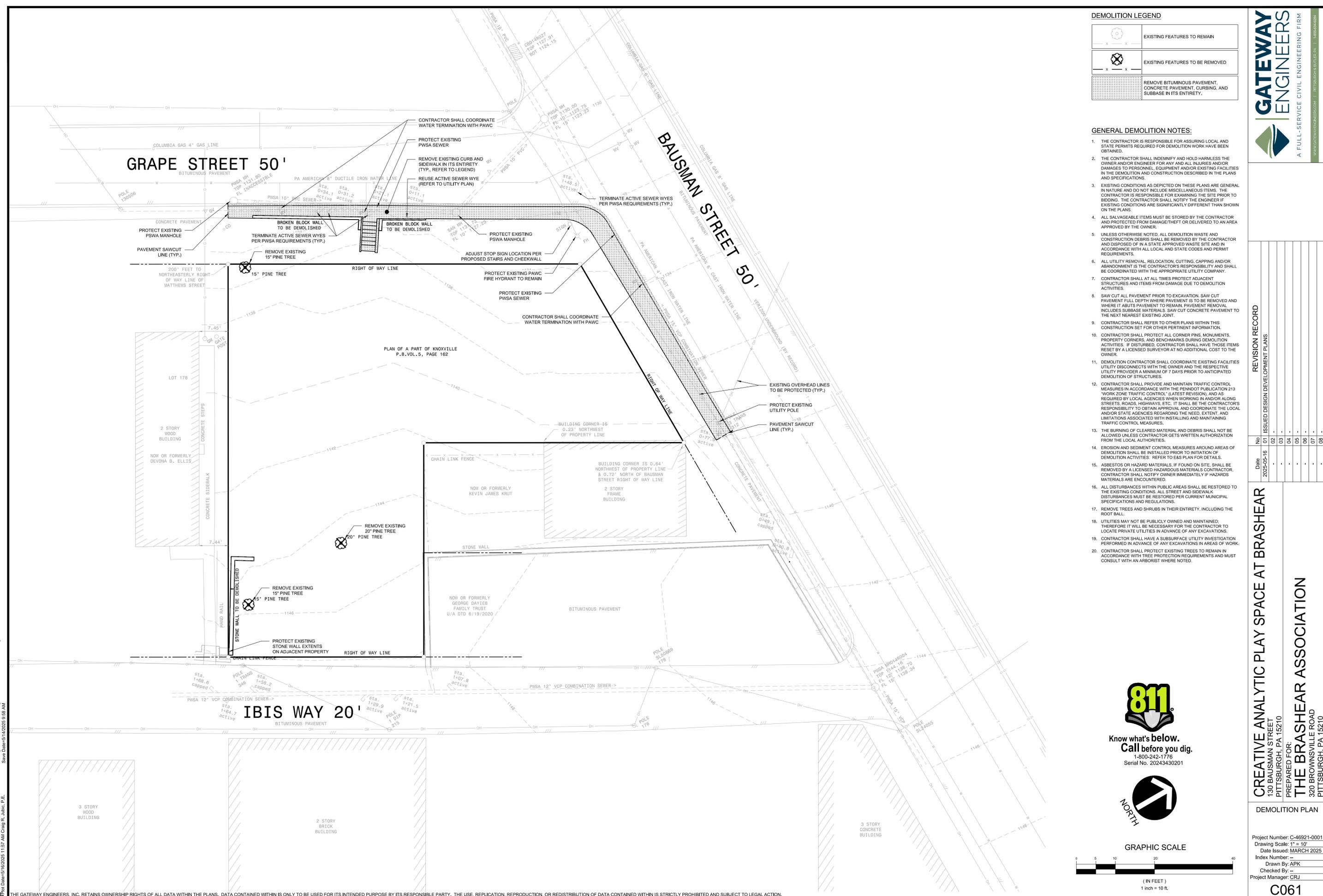
**CREATIVE ANALYTIC PLAY SPACE AT BRASHEAR**  
130 BAUSMAN STREET  
PITTSBURGH, PA 15210

**THE BRASHEAR ASSOCIATION**  
320 BROWNSVILLE ROAD  
PITTSBURGH, PA 15210

DEMOLITION PLAN

Project Number: C-46921-0001  
Drawing Scale: 1" = 10'  
Date Issued: MARCH 2025.  
Index Number: -  
Drawn By: APK  
Checked By: -  
Project Manager: CRJ

**C061**



**811**  
Know what's below.  
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Serial No. 20243430201

**NORTH**

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

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**GRADING LEGEND**

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

**SPOT GRADE ABBREVIATIONS**

TC	TOP CURB
BC	BOTTOM CURB
TC/BC	TOP CURB/ BOTTOM CURB
TW	TOP WALL
BW	BOTTOM WALL
RM	STORM STRUCTURE RIM ELEVATION

**GRADING PLAN NOTES:**

- ALL SITE WORK SHALL BE DONE IN ACCORDANCE WITH THE PLANS PREPARED BY THE GATEWAY ENGINEERS, INC., THE CURRENT REQUIREMENTS OF THE CITY OF PITTSBURGH AND ALL OTHER PERTINENT FEDERAL AND STATE LAWS.
- 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 91-594), FEDERAL REGISTER, CHAPTER XVII, PART 1926 OF TITLE 29 REGULATIONS, OCCUPATIONAL SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION, AND SUBSEQUENT PUBLICATIONS UPDATING THESE REGULATIONS.
- 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.
- 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.
- ALL AREAS NOT PAVED SHALL BE TOP SOILED, SEEDDED, MULCHED OR LANDSCAPED UNLESS OTHERWISE NOTED IN THE CONSTRUCTION DRAWINGS. SITE SPECIFICATIONS OR INSTRUCTED BY THE OWNER.
- SPOT ELEVATIONS ARE LOCATED AT THE TOP OF PAVEMENT.
- THE CONTRACTOR SHALL REMOVE ANY EXCESS TOPSOIL 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.
- 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.
- AN AS-BUILT DRAWING OF THE RAINWATER COLLECTION/REUSE SYSTEM, STORM SEWER SYSTEM, AND ALL OTHER NEW UTILITY SERVICES PREPARED AND SEALED BY A PROFESSIONAL LAND SURVEYOR IS REQUIRED TO BE SUBMITTED TO THE OWNER AND PROJECT ENGINEER.

**REVISION RECORD**

No.	Date	Description
01	2025-05-16	ISSUED DESIGN DEVELOPMENT PLANS
02		
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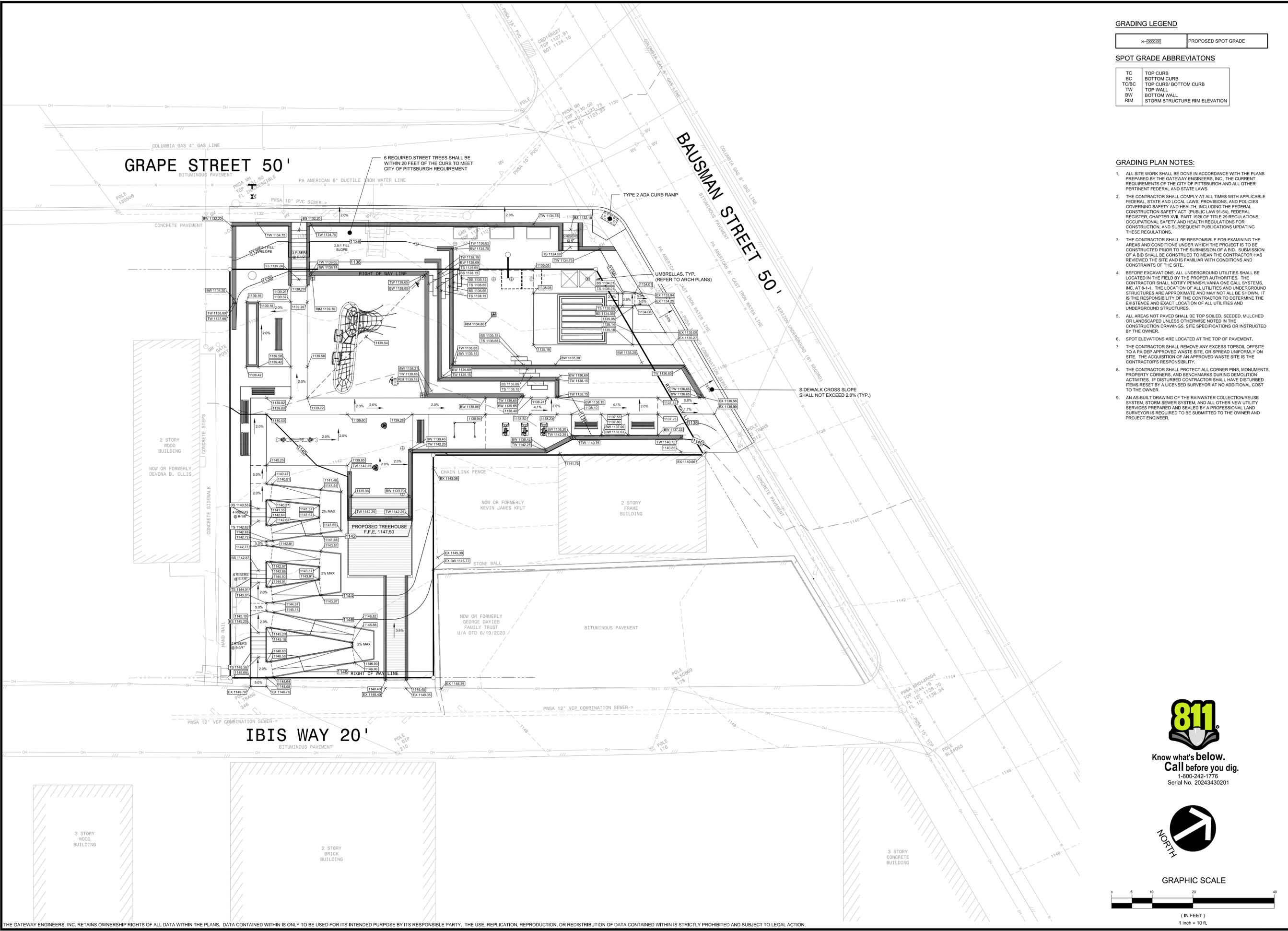
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**GRADING PLAN**

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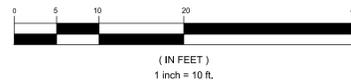
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Serial No. 20243430201



**GRAPHIC SCALE**



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 Plot Date: 2025-05-16 11:57 AM  
 User: D:\Users\j\Documents\112225\2501.dwg  
 Save Date: 2025-05-16 11:57 AM

**UTILITY LEGEND**

	PROPOSED STORM LINE
	PROPOSED WATER LINE
	PROPOSED ELECTRIC LINE
	PROPOSED WATER VALVE
	PROPOSED TEE

**UTILITY ABBREVIATIONS**

STM	STORM
SAN	SANITARY
MH	MANHOLE
CO	CLEANOUT

- UTILITY PLAN NOTES:**
- 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 91-564, FEDERAL REGISTER, CHAPTER XVII, PART 1926 OF TITLE 29 REGULATIONS, OCCUPATIONAL SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION, AND SUBSEQUENT PUBLICATIONS UPDATING THESE REGULATIONS.
  - 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.
  - BEFORE EXCAVATION, ALL UNDERGROUND UTILITIES SHALL BE LOCATED IN THE FIELD BY THE PROPER AUTHORITIES. THE CONTRACTOR SHALL CONTACT PENNSYLVANIA ONE CALL SYSTEMS, INC. AT 8-1-1. THE LOCATION OF 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.
  - IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BID AND PERFORM ALL UTILITY WORK IN COMPLIANCE TO APPLICABLE LOCAL AND STATE CODES AND REGULATIONS.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR FEES ASSOCIATED WITH THE INSTALLATION, INSPECTING, TESTING AND FINAL ACCEPTANCE OF PROPOSED UTILITIES CONSTRUCTION.
  - UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THE SPECIFICATIONS OF THE RESPECTIVE UTILITY COMPANY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE UTILITIES ARE INSTALLED CORRECTLY TO MEET PROJECT REQUIREMENTS WHETHER PERFORMED BY THE CONTRACTOR OR NOT.
  - ALL ELECTRIC, STORM SEWER, AND WATER SERVICE LINE TRENCHES LOCATED UNDER PROPOSED PAVEMENT AREAS SHALL BE BACKFILLED WITH 100% STONE MATERIAL TO THE PROPOSED PAVING SECTION IN ACCORDANCE WITH THE DETAIL SHOWN ON THE CONSTRUCTION DETAIL SHEETS.
  - THERE SHALL BE NO CONSTRUCTION OF ELECTRIC PULL BOXES OR JUNCTION BOXES OR SIMILAR DEVICES PLACED OVER ANY OTHER UNDERGROUND UTILITY.
  - CONTRACTOR TO PROVIDE SHOP DRAWINGS ON ALL STORM SEWER MANHOLES AND INLETS.
  - ALL STORM PIPE SHALL BE HDPE, SMOOTH INTERIOR, CORRUGATED POLYETHYLENE PIPE UNLESS OTHERWISE NOTED. ALL STORM SEWER CONSTRUCTION MATERIALS AND METHODS SHALL BE IN ACCORDANCE WITH PENNDOT SPECIFICATIONS. ALL JOINTS SHALL BE WATERTIGHT.
  - THE CONTRACTOR SHALL ASSURE THAT THERE IS POSITIVE DRAINAGE TO THE EXISTING AND PROPOSED INLETS/DRAINS UPON PLACEMENT OF NEW PAVEMENT.
  - CONDUIT LOCATIONS TO SITE LIGHT POLES TO BE COORDINATED WITH THE SITE ELECTRICAL PLAN.
  - THE ALLEGHENY COUNTY HEALTH DEPARTMENT SHALL BE CONTACTED FOR INSPECTION OF ALL PRIVATE SANITARY SEWERS, WATER LINES, AND STORM SEWER LINES WHERE THEY CONNECT TO A PUBLIC SEWER SYSTEM. ALL WATER AND SEWER LINES MUST BE INSTALLED BY A REGISTERED PLUMBER.
  - THE WATERLINE SHALL HAVE A MINIMUM OF 48" OF COVER AND BE AT LEAST 1 FOOT ABOVE THE SANITARY SEWER IF WITHIN 10 FEET OF THE HORIZONTAL DISTANCE OF THE SEWER.

**REVISION RECORD**

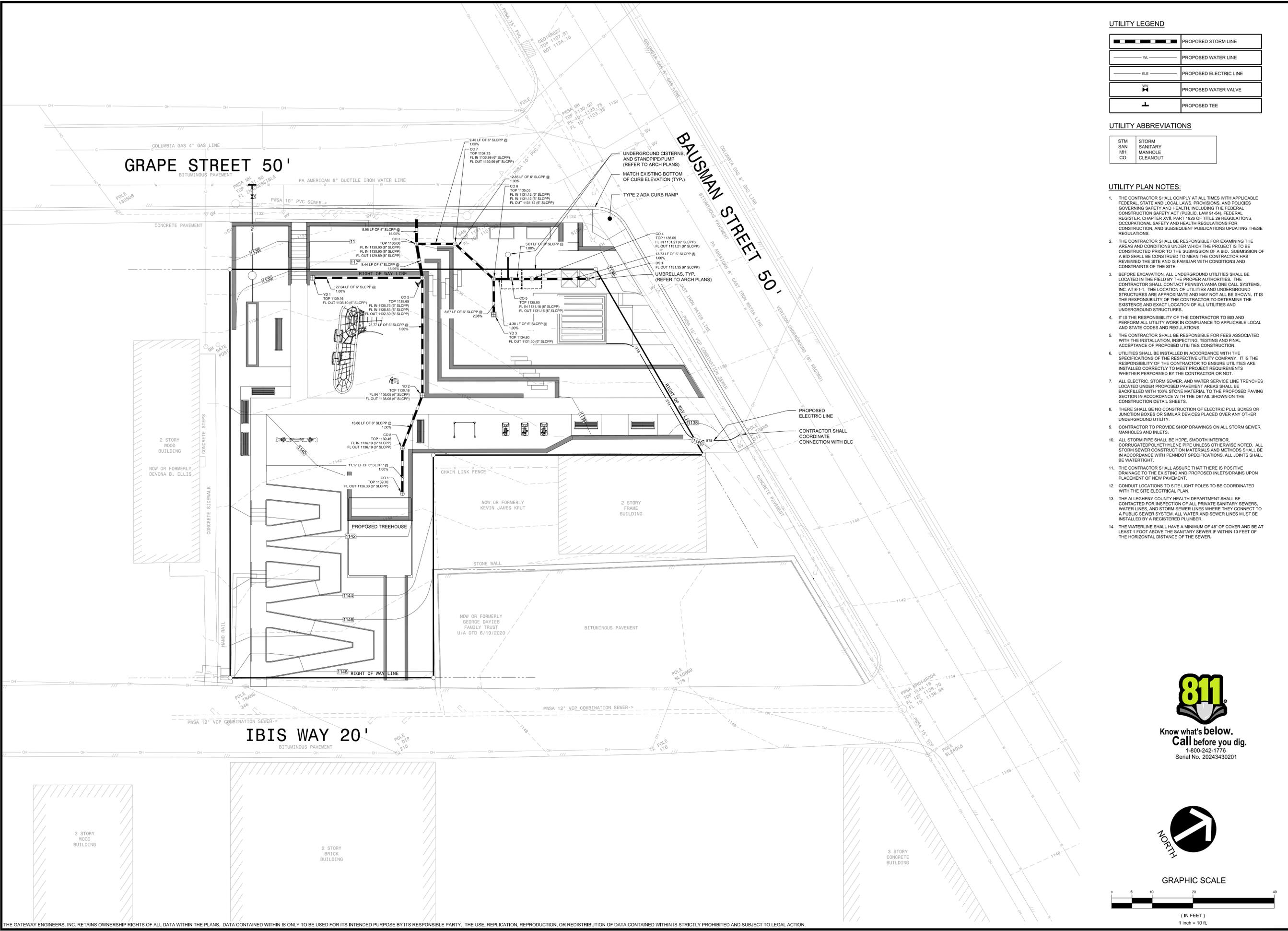
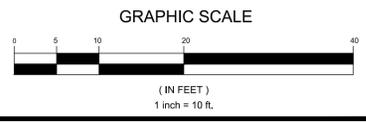
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 Plot Date: 2025-05-16 11:58:28 AM  
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**UTILITY PLAN**

Project Number: C-46921-0001  
 Drawing Scale: 1" = 10'  
 Date Issued: MARCH 2025.  
 Index Number: -  
 Drawn By: APK  
 Checked By: -  
 Project Manager: CRJ

**C300**

THIS PLAN IS FOR EROSION AND SEDIMENT CONTROL PURPOSES ONLY

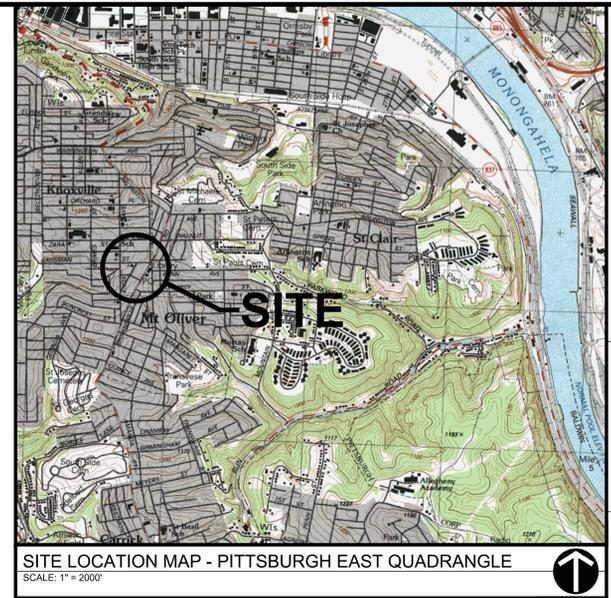
UGD

GRAPE STREET 50'

BAUSMAN STREET 50'

IBIS WAY 20'

UGD



SITE LOCATION MAP - PITTSBURGH EAST QUADRANGLE  
SCALE: 1" = 2000'

EROSION AND SEDIMENT CONTROL LEGEND

	5 C401	EROSION CONTROL BLANKET
	1 C402	COMPOST FILTER SOCK
	2 C402	CONCRETE WASHOUT AREA
	4 C402	TOPSOIL STOCKPILE
		SOIL BOUNDARIES
		LIMITS OF DISTURBANCE / PERMIT BOUNDARY

EROSION AND SEDIMENT CONTROL NOTES:

- 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.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXAMINING THE AREAS AND CONDITIONS UNDER WHICH THE PROJECT IS TO BE CONSTRUCTED PRIOR TO THE SUBMISSION OF THE 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.
- BEFORE EXCAVATION, ALL UNDERGROUND UTILITIES SHALL BE LOCATED IN THE FIELD BY THE PROPER AUTHORITIES. THE CONTRACTOR SHALL NOTIFY PENNSYLVANIA ONE CALL SYSTEMS, INC. AT 1-800-242-1776. 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.
- CONTRACTOR TO PROVIDE SHOP DRAWINGS ON ALL STORM SEWER MANHOLES, INLETS, AND DETENTION SYSTEMS.
- AN AS-BUILT DRAWING OF NEW UTILITY SERVICES SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED TO THE OWNER UPON COMPLETION OF THE PROJECT.
- ALL STORM PIPE SHALL BE HDPE, SMOOTH INTERIOR, CORRUGATED POLYETHYLENE PIPE UNLESS OTHERWISE NOTED. ALL STORM SEWER CONSTRUCTION MATERIALS AND METHODS SHALL BE IN ACCORDANCE WITH PENNDOT SPECIFICATIONS. ALL JOINTS SHALL BE WATER-TIGHT.
- CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION.
- THE CONTRACTOR SHALL ASSURE THAT THERE IS POSITIVE DRAINAGE TO THE INLETS UPON PLACEMENT OF NEW PAVEMENT.

PROJECT AREAS

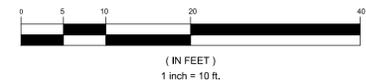
TOTAL PERMIT AREA / DISTURBED AREA = 0.22 ACRES



Know what's below.  
Call before you dig.  
1-800-242-1776  
Serial No. 20243430201



GRAPHIC SCALE



	1 C402	COMPOST FILTER SOCK (TYP.)
	2 C402	CONCRETE WASHOUT AREA

REVISION RECORD

No.	Date	Description
01	2025-05-16	ISSUED DESIGN DEVELOPMENT PLANS
02		
03		
04		
05		
06		
07		
08		

CREATIVE ANALYTIC PLAY SPACE AT BRASHEAR  
130 BAUSMAN STREET  
PITTSBURGH, PA 15210

PREPARED FOR:  
THE BRASHEAR ASSOCIATION  
320 BROWNVILLE ROAD  
PITTSBURGH, PA 15210

EROSION AND SEDIMENT CONTROL PLAN

Project Number: C-46921-0001  
Drawing Scale: 1" = 10'  
Date Issued: MARCH 2025  
Index Number: -  
Drawn By: APK  
Checked By: -  
Project Manager: CRJ

C400

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Plot Date: 2025-05-16 11:58 AM  
User: CRJ  
Scale: 1" = 10'

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**STANDARD EROSION AND SEDIMENT CONTROL PLAN NOTES**

- ALL EARTH DISTURBANCES, INCLUDING CLEARING AND GRUBBING AS WELL AS CUTS AND FILLS SHALL BE DONE IN ACCORDANCE WITH THE APPROVED E&S PLAN, A COPY OF THE APPROVED DRAWINGS (STAMPED, SIGNED AND DATED BY THE REVIEWING AGENCY) MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES. THE REVIEWING AGENCY SHALL BE NOTIFIED OF ANY CHANGES TO THE APPROVED PLAN PRIOR TO IMPLEMENTATION OF THOSE CHANGES. THE REVIEWING AGENCY MAY REQUIRE A WRITTEN SUBMITTAL OF THOSE CHANGES FOR REVIEW AND APPROVAL AT ITS DISCRETION.
- AT LEAST 7 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, INCLUDING CLEARING AND GRUBBING, THE OWNER AND/OR OPERATOR SHALL INVITE ALL CONTRACTORS, THE LANDOWNER, APPROPRIATE MUNICIPAL OFFICIALS, THE E&S PLAN PREPARER, THE PCSM PLAN PREPARER, THE LICENSED PROFESSIONAL RESPONSIBLE FOR OVERSIGHT OF CRITICAL STAGES OF IMPLEMENTATION OF THE PCSM PLAN, AND A REPRESENTATIVE FROM THE LOCAL CONSERVATION DISTRICT TO AN ON-SITE PRECONSTRUCTION MEETING.
- AT LEAST 3 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, OR EXPANDING INTO AN AREA PREVIOUSLY UNMARKED, THE PENNSYLVANIA ONE CALL SYSTEM INC. SHALL BE NOTIFIED AT 1-800-242-1776 FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES.
- ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE SEQUENCE PROVIDED ON THE PLAN DRAWINGS. DEVIATION FROM THAT SEQUENCE MUST BE APPROVED IN WRITING FROM THE LOCAL CONSERVATION DISTRICT OR BY THE DEPARTMENT PRIOR TO IMPLEMENTATION.
- AREAS TO BE FILLED ARE TO BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS AND OTHER OBJECTIONABLE MATERIAL.
- CLEARING, GRUBBING, AND TOPSOIL STRIPPING SHALL BE LIMITED TO THOSE AREAS DESCRIBED IN EACH STAGE OF THE CONSTRUCTION SEQUENCE. GENERAL SITE CLEARING, GRUBBING AND TOPSOIL STRIPPING MAY NOT COMMENCE IN ANY STAGE OR PHASE OF THE PROJECT UNTIL THE E&S BMPS SPECIFIED BY THE BMP SEQUENCE FOR THAT STAGE OR PHASE HAVE BEEN INSTALLED AND ARE FUNCTIONING AS DESCRIBED IN THIS E&S PLAN.
- AT NO TIME SHALL CONSTRUCTION VEHICLES BE ALLOWED TO ENTER AREAS OUTSIDE THE LIMIT OF DISTURBANCE BOUNDARIES SHOWN ON THE PLAN MAPS. THESE AREAS MUST BE CLEARLY MARKED AND FENCED OFF BEFORE CLEARING AND GRUBBING OPERATIONS BEGIN.
- TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED AT THE LOCATION(S) SHOWN ON THE PLAN MAP(S) IN THE AMOUNT NECESSARY TO COMPLETE THE FINISH GRADING OF ALL EXPOSED AREAS THAT ARE TO BE STABILIZED BY VEGETATION. EACH STOCKPILE SHALL BE PROTECTED IN THE MANNER SHOWN ON THE PLAN DRAWINGS. STOCKPILE HEIGHTS SHALL NOT EXCEED 35 FEET, STOCKPILE SLOPES SHALL BE 2H:1V OR FLATTER.
- IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO MINIMIZE THE POTENTIAL FOR EROSION AND SEDIMENT POLLUTION AND NOTIFY THE LOCAL CONSERVATION DISTRICT AND/OR THE REGIONAL OFFICE OF THE DEPARTMENT.
- ALL BUILDING MATERIALS AND WASTES SHALL BE REMOVED FROM THE SITE AND RECYCLED OR DISPOSED OF IN ACCORDANCE WITH THE DEPARTMENT'S SOLID WASTE MANAGEMENT REGULATIONS AT 25 PA. CODE 2601. ET. SEQ., 271.1, AND 287.1 ET. SEQ. NO BUILDING MATERIALS OR WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURNED, BURIED, DUMPED, OR DISCHARGED AT THE SITE.
- ALL OFF-SITE WASTE AND BORROW AREAS MUST HAVE AN E&S PLAN APPROVED BY THE LOCAL CONSERVATION DISTRICT OR THE DEPARTMENT FULLY IMPLEMENTED PRIOR TO BEING ACTIVATED.
- THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ANY MATERIAL BROUGHT ON SITE IS CLEAN FILL. FORM FP-001 MUST BE RETAINED BY THE PROPERTY OWNER FOR ANY FILL MATERIAL AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE BUT QUALIFYING AS CLEAN FILL DUE TO CLEAN FILL TESTING.
- ALL PUMPING OF WATER FROM ANY WORK AREA SHALL BE DONE ACCORDING TO THE PROCEDURE DESCRIBED IN THIS PLAN. OVER UNDISTURBED VEGETATED AREAS.
- VEHICLES AND EQUIPMENT MAY NEITHER ENTER DIRECTLY NOR EXIT DIRECTLY FROM THE PROJECT SITE ONTO PUBLIC ROADS.
- UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMPS SHALL BE MAINTAINED PROPERLY. MAINTENANCE SHALL INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT BMPS AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS, ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, REMULCHING AND REINETTING MUST BE PERFORMED IMMEDIATELY, IF THE E&S BMPS FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMPS, OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED.
- A LOG SHOWING DATES THAT E&S BMPS WERE INSPECTED AS WELL AS ANY DEFICIENCIES FOUND AND THE DATE THEY WERE CORRECTED SHALL BE MAINTAINED ON THE SITE AND BE MADE AVAILABLE TO REGULATORY AGENCY OFFICIALS AT THE TIME OF INSPECTION.
- SEDIMENT TRACKED ONTO ANY PUBLIC ROADWAY OR SIDEWALK SHALL BE RETURNED TO THE CONSTRUCTION SITE BY THE END OF EACH WORK DAY AND DISPOSED IN THE MANNER DESCRIBED IN THIS PLAN. IN NO CASE SHALL THE SEDIMENT BE WASHED, SHOVELED OR SWIRLED INTO ANY ROADWAY, STORM SEWER, OR SURFACE WATER.
- ALL SEDIMENT REMOVED FROM BMPS SHALL BE DISPOSED OF IN THE MANNER DESCRIBED ON THE PLAN DRAWINGS.
- AREAS WHICH ARE TO BE TOPSOILED SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 3 TO 5 INCHES - 6 TO 12 INCHES ON COMPACTED SOILS - PRIOR TO PLACEMENT OF TOPSOIL. AREAS TO BE VEGETATED SHALL HAVE A MINIMUM 4 INCHES OF TOPSOIL IN PLACE PRIOR TO SEEDING AND MULCHING. FILL OUTSLOPES SHALL HAVE A MINIMUM OF 2 INCHES OF TOPSOIL.
- ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS. FILL INTENDED TO SUPPORT BUILDINGS, STRUCTURES AND CONDUITS, ETC. SHALL BE COMPACTED IN ACCORDANCE WITH LOCAL REQUIREMENTS OR CODES. REFER TO GEOTECHNICAL REPORT AND CROSS SECTIONS.
- ALL EARTHEN FILLS SHALL BE PLACED IN COMPACTED LAYERS NOT TO EXCEED 9 INCHES IN THICKNESS.
- FILL MATERIALS SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOD, OR OTHER FOREIGN OR OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS.
- FROZEN MATERIALS OR SOFT, MUCKY, OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED INTO FILLS.
- FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.
- SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE WITH THE STANDARD AND SPECIFICATION FOR SUBSURFACE DRAIN OR OTHER APPROVED METHOD.
- ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY UPON REACHING FINISHED GRADE. CUT SLOPES IN COMPETENT BEDROCK AND ROCK FILLS NEED NOT BE VEGETATED. SEEDED AREAS WITHIN 50 FEET OF A SURFACE WATER, OR AS OTHERWISE SHOWN ON THE PLAN DRAWINGS, SHALL BE BLANKETED ACCORDING TO THE STANDARDS OF THIS PLAN.
- IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE IN ANY AREA OR SUBAREA OF THE PROJECT, THE OPERATOR SHALL STABILIZE ALL DISTURBED AREAS. DURING NON-GERMINATING MONTHS, MULCH OR PROTECTIVE BLANKETING SHALL BE APPLIED AS DESCRIBED IN THE PLAN. AREAS NOT AT FINISHED GRADE, WHICH WILL BE ACTIVATED WITHIN 1 YEAR, MAY BE STABILIZED IN ACCORDANCE WITH THE TEMPORARY STABILIZATION SPECIFICATIONS. THOSE AREAS WHICH WILL NOT BE REACTIVATED WITHIN 1 YEAR SHALL BE STABILIZED IN ACCORDANCE WITH THE PERMANENT STABILIZATION SPECIFICATIONS.
- PERMANENT STABILIZATION IS DEFINED AS A MINIMUM UNIFORM, PERENNIAL 70% VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED EROSION. CUT AND FILL SLOPES SHALL BE CAPABLE OF RESISTING FAILURE DUE TO SLUMPING, SLIDING, OR OTHER MOVEMENTS.
- E&S BMPS SHALL REMAIN FUNCTIONAL AS SUCH UNTIL ALL AREAS TRIBUTARY TO THEM ARE PERMANENTLY STABILIZED OR UNTIL THEY ARE REPLACED BY ANOTHER BMP APPROVED BY THE LOCAL COUNTY CONSERVATION DISTRICT OR THE DEPARTMENT.
- UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE LOCAL COUNTY CONSERVATION DISTRICT FOR AN INSPECTION PRIOR TO REMOVAL/CONVERSION OF THE E&S BMPS.
- AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENT BMPS MUST BE REMOVED OR CONVERTED TO PERMANENT POST CONSTRUCTION STORMWATER MANAGEMENT BMPS. AREAS DESTROYED DURING REMOVAL OR CONVERSION OF THE BMPS SHALL BE STABILIZED IMMEDIATELY, IN ORDER TO ENSURE RAPID REVEGETATION OF DISTURBED AREAS. SUCH REMOVAL/CONVERSIONS ARE TO BE DONE ONLY DURING THE GERMINATING SEASON.
- UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE LOCAL CONSERVATION DISTRICT TO SCHEDULE A FINAL INSPECTION.
- FAILURE TO CORRECTLY INSTALL E&S BMPS, FAILURE TO PREVENT SEDIMENT-LADEN RUNOFF FROM LEAVING THE CONSTRUCTION SITE, OR FAILURE TO TAKE IMMEDIATE CORRECTIVE ACTION TO RESOLVE FAILURE OF E&S BMPS MAY RESULT IN ADMINISTRATIVE, CIVIL, AND/OR CRIMINAL PENALTIES BEING INSTITUTED BY THE DEPARTMENT AS DEFINED IN SECTION 602 OF THE PENNSYLVANIA CLEAN STREAMS LAW. THE CLEAN STREAMS LAW PROVIDES FOR UP TO \$10,000 PER DAY IN CIVIL PENALTIES, UP TO \$10,000 IN SUMMARY CRIMINAL PENALTIES, AND UP TO \$25,000 IN MISDEMEANOR CRIMINAL PENALTIES FOR EACH VIOLATION.
- CONCRETE WASH WATER SHALL BE HANDLED IN THE MANNER DESCRIBED ON THE PLAN DRAWINGS. IN NO CASE SHALL IT BE ALLOWED TO ENTER ANY SURFACE WATERS OR GROUNDWATER SYSTEMS.
- ALL CHANNELS SHALL BE KEPT FREE OF OBSTRUCTIONS INCLUDING BUT NOT LIMITED TO FILL, ROCKS, LEAVES, WOODY DEBRIS, ACCUMULATED SEDIMENT, EXCESS VEGETATION, AND CONSTRUCTION MATERIALS/WASTES.
- SEDIMENT BASINS AND/OR TRAPS SHALL BE KEPT FREE OF ALL CONSTRUCTION WASTE, WASH WATER, AND OTHER DEBRIS HAVING POTENTIAL TO CLOG THE BASIN/TRAP/OUTLET STRUCTURES AND/OR POLLUTE THE SURFACE WATERS.
- SEDIMENT BASINS SHALL BE PROTECTED FROM UNAUTHORIZED ACTS BY THIRD PARTIES.
- ANY DAMAGE THAT OCCURS IN WHOLE OR IN PART AS A RESULT OF BASIN OR TRAP DISCHARGE SHALL BE IMMEDIATELY REPAIRED BY THE PERMITTEE IN A PERMANENT MANNER SATISFACTORY TO THE MUNICIPALITY, LOCAL CONSERVATION DISTRICT, AND THE OWNER OF THE DAMAGED PROPERTY.
- UPON REQUEST, THE APPLICANT OR HIS CONTRACTOR SHALL PROVIDE AN AS-BUILT (RECORD DRAWING) FOR ANY SEDIMENT BASIN OR TRAP TO THE MUNICIPAL INSPECTOR, LOCAL CONSERVATION DISTRICT OR THE DEPARTMENT.
- EROSION CONTROL BLANKETING SHALL BE INSTALLED ON ALL SLOPES 3H:1V OR STEEPER WITHIN 50 FEET OF A SURFACE WATER AND ON ALL OTHER DISTURBED AREAS SPECIFIED ON THE PLAN MAPS AND/OR DETAIL SHEETS.
- FILL MATERIAL FOR EMBANKMENTS SHALL BE FREE OF ROOTS, OR OTHER WOODY VEGETATION, ORGANIC MATERIAL, LARGE STONES, AND OTHER OBJECTIONABLE MATERIALS. THE EMBANKMENT SHALL BE COMPACTED IN MAXIMUM 10" LAYERED LIFTS AT 90% DENSITY.

1	C401	STANDARD E&S NOTES
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**CONSTRUCTION STAGING**

- NOTE FOR ALL DISTURBED AREAS, AS SOON AS SLOPES, CHANNELS, DITCHES, AND OTHER DISTURBED AREAS REACH FINAL GRADE THEY MUST BE STABILIZED, UPON COMPLETION OR TEMPORARY CESSATION OF EARTH DISTURBANCE ACTIVITY, OR ANY STAGE THEREOF, THE PROJECT SITE SHALL BE IMMEDIATELY STABILIZED. NO MORE THAN 15,000 SQUARE FEET OF DISTURBED AREA SHALL REACH FINAL GRADE BEFORE INITIATING SEEDING AND MULCHING OPERATIONS.
- ALL CONSTRUCTION SHALL TAKE PLACE WITHIN THE LIMITS OF DISTURBANCE AS NOTED ON THE DRAWING.
- VEGETATED AREAS MUST ACHIEVE A MINIMUM UNIFORM 70% PERENNIAL VEGETATIVE COVER OVER THE ENTIRE DISTURBED AREA AND ROADWAYS AND PARKING AREAS SHOULD AT LEAST HAVE A CLEAN SUB-BASE IN PLACE PRIOR TO REMOVAL OF ANY E&S BMPS. CONTACT THE ALLEGHENY COUNTY CONSERVATION DISTRICT FOR THEIR APPROVAL TO REMOVE THE PARTICULAR CONTROL MEASURES.
- WHEN CLEANING EXCESS SEDIMENT FROM THE E&S CONTROL FACILITIES, PLACE SEDIMENTS IN GRASS AREAS WHICH DO NOT RECEIVE CONCENTRATED STORM FLOWS AND ARE CONTROLLED BY BMPS (WITHIN LIMITS OF DISTURBANCE), THEN SEED OVER AREA USING SEEDING SPECIFICATIONS.
- A LOG SHOWING DATES THAT E&S BMPS WERE INSPECTED, AS WELL AS ANY DEFICIENCIES FOUND AND THE DATE THEY WERE CORRECTED SHALL BE MAINTAINED ON SITE AND BE MADE AVAILABLE TO REGULATORY AGENCY OFFICIALS AT THE TIME OF INSPECTION.
- EXCESS TOPSOIL THAT WILL NOT BE RE-SPREAD ON SITE SHALL BE DISPOSED OF AT A PA DEP APPROVED WASTE FACILITY.
- ALL DISTURBED AREAS WHICH ARE AT FINAL GRADE AND WILL NOT BE FURTHER DISTURBED SHALL BE SEEDED PER THE PERMANENT SEEDING SPECIFICATIONS.
- ALL OTHER DISTURBED AREAS THAT WILL NOT RECEIVE ADDITIONAL WORK FOR A PERIOD OF MORE THAN 4 DAYS SHALL BE SEEDED PER THE TEMPORARY SEEDING SPECIFICATIONS.

**CONSTRUCTION SEQUENCE**

- STAKE OUT LIMITS OF DISTURBANCE.
- THE NEED FOR A CONCRETE WASHOUT IS ANTICIPATED DUE TO THE SCOPE OF THE PROJECT. THE PROJECT INCLUDES THE DEMOLITION AND RE-GRADING OF THE EXISTING LOTS AT BASUMAN STREET AND GRAPE STREET, AS WELL AS A TEMPORARY TOPSOIL STOCKPILE AND COMPOST FILTER SOCKS. THE SITE WOULD IMPOSE NEW IMPERVIOUS COVERAGE.
- CLEAR AND GRUB AND INSTALL ALL COMPOST FILTER SOCKS IN THE LOCATIONS SHOWN ON THE PLAN AND IN ACCORDANCE WITH THE DETAILS PROVIDED AND CLEAR AND GRUB ONLY THE AREA NECESSARY TO INSTALL PERIMETER E&S CONTROLS.
- BEGIN ROUGH GRADING OPERATIONS FOR THE ENTIRETY OF THE PROJECT SITE. DURING GRADING OPERATIONS, ALL PROPOSED CUT AND/OR FILL SLOPES SHALL BE PLACED IN REGULAR, VERTICAL INCREMENTS. THE FILL SLOPES SHALL BE GRADED BACK DOWN FROM THE TOP OF SLOPE AT THE END OF EACH DAY SO THAT RUNOFF IS DIRECTED AWAY FROM THE OUT SLOPES. AS SLOPE AREAS ARE BROUGHT TO FINAL GRADE, INSTALL EROSION CONTROL BLANKETING ON CUT AND FILL SLOPES, AS INDICATED ON THE PLAN AND IN ACCORDANCE WITH THE CONSTRUCTION DETAIL, AS SOON AS THE PROPOSED CUT AND/OR FILL SLOPES ARE BROUGHT TO FINAL GRADE, IMMEDIATELY SEED AND MULCH IN REGULAR 15' TO 25' VERTICAL INCREMENTS TO PROMOTE EARLY STABILIZATION.
- ONCE ALL CONTROLS ARE INSTALLED AS OUTLINED ABOVE, DEMOLITION OF THE EXISTING APPURTENANCES MAY COMMENCE. ALL CONSTRUCTION DEBRIS SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF AT A DEP APPROVED WASTE SITE IN ACCORDANCE WITH ALL LOCAL AND STATE CODES AND PERMIT REQUIREMENTS.
- CONCURRENTLY WITH DEMOLITION ACTIVITIES, BEGIN CLEARING AND GRUBBING ACTIVITIES WITHIN THE LIMITS OF DISTURBANCE AS SHOWN ON PLAN.
- PRIOR TO COMMENCING ANY EARTHWORK ACTIVITIES, THE CONTRACTOR SHALL VERIFY THAT ALL SEGMENTS OF COMPOST FILTER SOCK ARE STILL FUNCTIONING PROPERLY.
- BEGIN ROUGH GRADING OPERATIONS WITHIN THE CONSTRUCTION LIMITS. STRIP TOPSOIL ACROSS THE SITE AND PLACE IN THE TOPSOIL STOCKPILE LOCATION SHOWN ON THE PLAN. DURING GRADING OPERATIONS, ENSURE POSITIVE DRAINAGE TO THE PROPOSED EROSION AND SEDIMENT CONTROL BMPS. THE FILL SLOPES SHALL BE GRADED BACK DOWN FROM THE TOP OF SLOPE AT THE END OF EACH DAY SO THAT RUNOFF IS DIRECTED AWAY FROM THE OUT SLOPES. AS STEEP SLOPE AREAS ARE BROUGHT TO FINAL GRADE, INSTALL EROSION CONTROL BLANKETING OR APPLY SLOPE STABILIZATION SPRAY EMULSION IN REGULAR 15' VERTICAL INCREMENTS, AS SOON AS THE PROPOSED FILL SLOPES ARE BROUGHT TO FINAL GRADE, IMMEDIATELY SEED AND MULCH TO PROMOTE EARLY STABILIZATION.
- IN CONJUNCTION WITH THE GRADING OPERATIONS, CONTRACTOR SHALL EXCAVATE, INSTALL, AND BACKFILL STORM PIPE AND STRUCTURES AS SHOWN ON THE PLAN AND ACCORDING TO THE TYPICAL UTILITY TRENCHING DETAIL PROVIDED. REFER TO THE UTILITY LINE INSTALLATION REQUIREMENTS BELOW.
- BACKFILL ALL UTILITY TRENCHES BY THE END OF EACH DAY. TRENCHES BELOW EXISTING OR PROPOSED PAVED SURFACES SHALL BE BACKFILLED WITH 100% CRUSHED LIMESTONE.
- COMPLETE REMAINDER OF MAJOR GRADING OPERATIONS. RE-SPREAD TOPSOIL AND SEED UNTIL VEGETATIVE COVER IS A UNIFORM COVERAGE OR DENSITY OF SEVENTY PERCENT (70%) ACROSS THE ENTIRE DISTURBED AREA.

**FINAL STABILIZATION**

- SPREAD TOPSOIL ON NON-PAVED AREAS FOR SEEDING. SEED AND MULCH ALL DISTURBED AREAS, USING THE SPECIFIED SEEDING REQUIREMENTS. ALL DISTURBED AREAS MUST BE TEMPORARILY STABILIZED IF REMAINING IDLE, OR ANTICIPATED TO REMAIN IDLE. NO MORE THAN 15,000 SQUARE FEET OF DISTURBED AREA MAY REACH FINAL GRADE BEFORE INITIATING SEEDING AND MULCHING OPERATIONS. IN THE ABSENCE OF A SOIL TEST, LIME SHOULD BE ADDED AT A RATE OF 275 LBS / 1000 S.F. LIKEWISE, THE FERTILIZER RATES SHOULD BE INCREASED TO 1250 LBS / AC. OF 8-16-16 AND 2000 LBS / AC. OF 5-10-10.
- ALL TEMPORARY EROSION CONTROL DEVICES SHALL REMAIN INTACT UNTIL FINAL STABILIZATION OF THE SITE IS ACHIEVED. FINAL STABILIZATION OF THE SITE SHALL BE ACHIEVED WHEN ALL PERMANENT CONTROL MEASURES AND FACILITIES HAVE BEEN COMPLETED AND ARE OPERATIONAL AND UNIFORM PERENNIAL VEGETATION IS ESTABLISHED TO THE POINT WHERE THE SURFACE SOIL IS CAPABLE OF RESISTING EROSION DURING RUNOFF EVENTS, THE STANDARD FOR THIS VEGETATIVE COVER WILL BE A UNIVERSAL COVERAGE, OR DENSITY, OF SEVENTY PERCENT (70%) ACROSS THE DISTURBED AREA.
- ALL COMPOST FILTER SOCK MAY BE REMOVED WHEN A MINIMUM UNIFORM 70% VEGETATIVE COVER IS ESTABLISHED WITH A DENSITY CAPABLE OF RESISTING ACCELERATED EROSION AND SEDIMENTATION FOR AREAS TRIBUTARY TO THE COMPOST FILTER SOCK.
- REFER TO THE SECTION ENTITLED "AFTER COMPLETION OF PROJECT" FOR A DETAILED SEQUENCE FOR REMOVING SAID E&S MEASURES.

**SITE RESTORATION (AFTER COMPLETION OF PROJECT):**

- DUE TO BALANCED SITE EARTHWORK, IT IS NOT ANTICIPATED THAT ANY MATERIAL SHALL BE HAULED OFF SITE AND/OR STOCKPILED ON-SITE. ALSO, IT IS PRESUMED THAT EXISTING TOPSOIL IS MINIMAL AND WILL BE SPREAD ON PROPOSED SLOPES.
- ALL COMPOST FILTER SOCK MAY BE REMOVED WHEN A MINIMUM UNIFORM 70% PERENNIAL VEGETATIVE COVER IS ESTABLISHED, WITH A DENSITY CAPABLE OF RESISTING ACCELERATED EROSION AND SEDIMENTATION FOR AREAS TRIBUTARY TO THE SOCK.
- IF A BMP FAILS DURING A RUNOFF EVENT, THE CONTRACTOR SHALL REPLACE/FIX THE DAMAGED BMP WITHIN 24 HOURS FOLLOWING THE FAILURE OCCURRENCE.
- WHEN CLEANING EXCESS SEDIMENT FROM THE E&S CONTROL FACILITIES, PLACE SEDIMENTS IN GRASS AREAS WHICH DO NOT RECEIVE CONCENTRATED STORM FLOWS AND ARE CONTROLLED BY BMPS (WITHIN LIMITS OF DISTURBANCE), THEN SEED OVER AREA USING SEEDING SPECIFICATIONS.
- SITE SHALL BE PERMANENTLY STABILIZED IN ACCORDANCE WITH THE SITE RESTORATION PLAN. THERE IS NO PROPOSED IMPERVIOUS COVERAGE AND/OR PCSM BMPS. THE GRADED PAD JUST SOUTH OF EWING ROAD SHALL REMAIN, ALONG WITH ASSOCIATED APPURTENANCES TO SUPPORT STORMWATER FLOW.

**UTILITY LINE INSTALLATION REQUIREMENTS**

- GENERAL
  - a. EXPOSED TRENCH EXCAVATIONS HAVE HIGH POTENTIAL FOR ACCELERATED EROSION AND SEDIMENT POLLUTION. SINCE THESE EXCAVATIONS ARE USUALLY LOCATED AT LOWER ELEVATIONS ALONG OR ACROSS EARTH DISTURBANCE SITES, OPEN TRENCHES SERVE TO CONCENTRATE SEDIMENT-LADEN RUNOFF AND CONVEY IT TO SITE BOUNDARIES OR WATERWAYS. THE MOST IMPORTANT EROSION AND SEDIMENT POLLUTION CONTROL CONSIDERATION FOR TRENCH CONSTRUCTION IS THE LIMITING AND SPECIFIC SCHEDULING OF WORK ACTIVITIES.
- CONSTRUCTION REQUIREMENTS
  - a. LIMIT DAILY TRENCH EXCAVATION TO THE LENGTH OF PIPE PLACEMENT AND BACKFILLING THAT CAN BE COMPLETED THE SAME DAY. NO MORE THAN 50 LINEAR FEET OF OPEN TRENCH SHOULD EXIST WHEN PIPE/UTILITY LINE INSTALLATION CEASES AT THE END OF THE WORK DAY.
  - b. WATER THAT HAS ACCUMULATED IN THE OPEN TRENCH SHALL BE COMPLETELY REMOVED BY USING A PUMPED WATER FILTER BAG AS SHOWN IN THE CONSTRUCTION DETAIL BEFORE PIPE PLACEMENT AND/OR BACKFILLING BEGINS.
  - c. ON THE DAY FOLLOWING PIPE PLACEMENT AND TRENCH BACKFILLING, THE DISTURBED AREA WILL BE GRADED TO FINAL CONTOURS AND APPROPRIATE TEMPORARY EROSION AND SEDIMENT POLLUTION CONTROL MEASURES/FACILITIES SHALL BE INSTALLED. SEEDING AND MULCHING OF ALL DISTURBED AREAS WILL BE DONE AT THE END OF EACH WEEK.
- EXCEPTIONS
  - a. IN CERTAIN CASES, TRENCHES CANNOT BE BACKFILLED UNTIL THE PIPE IS HYDROSTATICALLY TESTED, OR ANCHORS AND OTHER PERMANENT FEATURES ARE INSTALLED. IN THESE CASES, ALL OF THE REQUIREMENTS LISTED UNDER ITEM B WILL REMAIN IN EFFECT WITH THE FOLLOWING AMENDMENTS:
    - b. DAILY BACKFILLING OF THE TRENCH MAY BE DELAYED FOR SIX DAYS. ALL PRESSURE TESTING AND THE COMPLETE BACKFILLING OF THE OPEN TRENCH MUST BE COMPLETED BY THE SEVENTH WORKING DAY.
    - c. IF DAILY BACKFILLING IS DELAYED, THE DISTURBED AREA WILL BE GRADED TO FINAL CONTOURS, APPROPRIATE TEMPORARY EROSION AND SEDIMENT CONTROL BMPS WILL BE INSTALLED, AND THE AREAS SEEDED AND MULCHED WITHIN THE NEXT TWO CALENDAR DAYS.

2	C401	CONSTRUCTION SEQUENCE
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**TEMPORARY SEEDING SPECIFICATIONS:**

<b>LIMESTONE</b>	RAW, GROUND AGRICULTURAL LIMESTONE CONTAINING MORE THAN 90 PERCENT CALCIUM CARBONATES (ADJUST PH LEVELS TO 5.5 TO 7.0). APPLY AT A RATE OF 410 LBS / 1000 S.Y., UNLESS OTHERWISE INDICATED BY SOIL TESTS.								
<b>COMMERCIAL FERTILIZER</b>	IN ABSENCE OF A SOIL TEST, USE 100 LBS / 1000 S.Y. OF 10-10-20 MIXED INTO SEED BED PRIOR TO SEEDING, OR IN A TANK WITH SEED WHEN HYDROSEEDING.								
<b>MULCH</b>	CLEAN OAT OR WHEAT STRAW SHALL BE FREE FROM MATURE SEED-BEARING STALKS OR ROOTS OF PROHIBITED OR NOXIOUS WEEDS AS DEFINED BY THE PENNSYLVANIA SEED ACT 1947. APPLY AT A RATE OF 3 TONS/AC (139 LBS/1000 SF). PRECAUTION SHALL BE TAKEN TO STABILIZE THE MULCH UNTIL THE VEGETATIVE COVER IS ESTABLISHED.								
<b>SEED MIXTURE</b>	SEED MIXTURE SHALL BEAR A GUARANTEED STATEMENT OF ANALYSIS AND SHALL BE COMPOSED OF THE FOLLOWING VARIETIES AND MIXED IN THE PROPORTIONS SPECIFIED.								
<b>SEED MIXTURE</b>	<table border="1"> <thead> <tr> <th>TEMPORARY SEED MIXTURE</th> <th>PROPORTION BY WEIGHT</th> <th>MINIMUM PURITY</th> <th>MINIMUM GERMINATION</th> </tr> </thead> <tbody> <tr> <td>ANNUAL RYEGRASS</td> <td>100%</td> <td>98%</td> <td>90%</td> </tr> </tbody> </table>	TEMPORARY SEED MIXTURE	PROPORTION BY WEIGHT	MINIMUM PURITY	MINIMUM GERMINATION	ANNUAL RYEGRASS	100%	98%	90%
TEMPORARY SEED MIXTURE	PROPORTION BY WEIGHT	MINIMUM PURITY	MINIMUM GERMINATION						
ANNUAL RYEGRASS	100%	98%	90%						
<b>SEEDING RATE</b>	THREE (3) PERCENT REDTOP MAY BE ADDED TO THE LAWN MIXTURE ON SLOPE AREAS OR FOR LATE SPRING OR LATE FALL SEEDING.								
<b>SEEDING RATE</b>	TEMPORARY SEEDING SHALL BE APPLIED AT THE RATE OF TEN (10) POUNDS PER ONE THOUSAND (1,000) SQUARE YARDS.								
<b>NOTES</b>	ALL AREAS TO BE SEEDED SHALL BE LOOSENOED TO A DEPTH OF AT LEAST TWO INCHES BY MECHANICAL MEANS, OR AS APPROVED BY THE LANDSCAPE ARCHITECT.								
	MULCH SEEDED AREAS IMMEDIATELY AFTER SEEDING.								

SEED ALL DISTURBED AREAS WITH THE TEMPORARY SEED MIXTURE EXCEPT THOSE AREAS SHOWN TO BE SEEDED WITH STEEP SLOPE MIXTURE, UNLESS OTHERWISE NOTED ON THE DRAWINGS.

HYDROSEEDING WITH TACIFER MAY BE USED IN LIEU OF MULCH.

**PERMANENT SEEDING SPECIFICATIONS:**

<b>TOPSOIL</b>	4" MIN. TOPSOIL SHALL BE REQUIRED ON ALL DISTURBED AREAS AFTER SITE HAS BEEN RECLAIMED/RESTORED.												
<b>LIMESTONE</b>	RAW, GROUND AGRICULTURAL LIMESTONE CONTAINING MORE THAN 90 PERCENT CALCIUM CARBONATES (ADJUST PH LEVELS TO 6.5 TO 7.0). APPLY AT A RATE OF 2,480 LBS / 1000 S.Y., UNLESS OTHERWISE INDICATED BY SOIL TESTS.												
<b>COMMERCIAL FERTILIZER</b>	IN ABSENCE OF A SOIL TEST, USE 210 LBS / 1000 S.Y. OF 10-10-20 MIXED INTO SEED BED PRIOR TO SEEDING, OR IN A TANK WITH SEED WHEN HYDROSEEDING.												
<b>INOCULANT</b>	INOCULANT FOR TREATING LEGUMINOUS SEEDS SHALL BE A STANDARD COMMERCIAL PRODUCT CONSISTING OF A SUITABLE CARRIER CONTAINING A CARRIER OF NITROGEN FIXING BACTERIA SPECIFIC FOR SEEDS TO BE INOCULATED. INOCULANT SHALL NOT BE USED LATER THAN DATE INDICATED ON THE CONTAINER.												
<b>MULCH</b>	CLEAN OAT OR WHEAT STRAW SHALL BE FREE FROM MATURE SEED-BEARING STALKS OR ROOTS OF PROHIBITED OR NOXIOUS WEEDS AS DEFINED BY THE PENNSYLVANIA SEED ACT 1947. APPLY AT A RATE OF 3 TONS/AC (139 LBS/1000 SF). PRECAUTION SHALL BE TAKEN TO STABILIZE THE MULCH UNTIL THE VEGETATIVE COVER IS ESTABLISHED.												
<b>SEED MIXTURE</b>	SEED MIXTURE SHALL BEAR A GUARANTEED STATEMENT OF ANALYSIS AND SHALL BE COMPOSED OF THE FOLLOWING VARIETIES AND MIXED IN THE PROPORTIONS SPECIFIED.												
<b>PERMANENT SEEDING MIXTURE (PERENNIAL FORMULA 1)</b>	<table border="1"> <thead> <tr> <th>PERENNIAL RYEGRASS MIXTURE (LULIM PERENNIAL) - A COMBINATION OF IMPROVED CERTIFIED VARIETIES WITH NO ONE VARIETY EXCEEDING 50% OF THE TOTAL RYEGRASS COMPONENT.</th> <th>PROPORTION BY WEIGHT</th> <th>MINIMUM PURITY</th> <th>MINIMUM GERMINATION</th> </tr> </thead> <tbody> <tr> <td>CREeping RED FESCUE OR CHEWINGS FESCUE</td> <td>30%</td> <td>98%</td> <td>85%</td> </tr> <tr> <td>KENTUCKY BLUEGRASS MIXTURE (POA PRATENSIS) - A COMBINATION OF IMPROVED CERTIFIED VARIETIES WITH NO ONE VARIETY EXCEEDING 25% OF THE TOTAL BLUEGRASS COMPONENT.</td> <td>50%</td> <td>98%</td> <td>80%</td> </tr> </tbody> </table>	PERENNIAL RYEGRASS MIXTURE (LULIM PERENNIAL) - A COMBINATION OF IMPROVED CERTIFIED VARIETIES WITH NO ONE VARIETY EXCEEDING 50% OF THE TOTAL RYEGRASS COMPONENT.	PROPORTION BY WEIGHT	MINIMUM PURITY	MINIMUM GERMINATION	CREeping RED FESCUE OR CHEWINGS FESCUE	30%	98%	85%	KENTUCKY BLUEGRASS MIXTURE (POA PRATENSIS) - A COMBINATION OF IMPROVED CERTIFIED VARIETIES WITH NO ONE VARIETY EXCEEDING 25% OF THE TOTAL BLUEGRASS COMPONENT.	50%	98%	80%
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<b>SEEDING RATE</b>	PERMANENT SEEDING SHALL BE APPLIED AT A RATE OF 21 POUNDS PER 1,000 SQUARE FEET.												
<b>PREPARATION OF SEEDING</b>	HYDROSEEDING WITH TACIFER MAY BE USED IN LIEU OF MULCH.												

GRADE AS NECESSARY TO BRING SUBGRADE TO A TRUE, SMOOTH SLOPE PARALLEL TO AND SIX INCHES BELOW FINISHED GRADE. PLACE TOPSOIL OVER SPECIFIED AREAS TO A DEPTH SUFFICIENTLY GREATER THAN SIX (6) OR EIGHT (8) INCHES SO THAT AFTER SETTLEMENT AND LIGHT ROLLING, THE COMPLETE WORK WILL CONFORM TO LINES, GRADES AND ELEVATIONS SHOWN.

FERTILIZER AND AGRICULTURAL LIMESTONE SHALL BE THOROUGHLY INCORPORATED INTO THE SOIL BY ROTOTILLING OR OTHER METHOD TO A MINIMUM DEPTH OF FOUR (4) INCHES. THE ENTIRE SURFACE SHALL THEN BE REGRADED AND ROLLED. AREAS TO BE SEEDED SHALL THEN BE LOOSENOED TO A DEPTH OF TWO (2) INCHES. SEEDING SHALL BE DONE IN TWO SEPARATE OPERATIONS. THE SECOND SEEDING SHALL BE DONE IMMEDIATELY AFTER THE FIRST AND AT RIGHT ANGLES TO THE FIRST SEEDING AND LIGHTLY RAKED INTO THE SOIL. MULCH SEEDED AREAS IMMEDIATELY AFTER SEEDING.

DEPTH (IN)	PER 1,000 SQUARE FEET	PER ACRE
1	3.1	134
2	6.2	268
3	9.3	403
4	12.4	537
5	15.5	672
6	18.6	806
7	21.7	940
8	24.8	1,074

SOIL AMENDMENT	PERMANENT SEEDING APPLICATION RATE			NOTES
	PER ACRE	PER 1,000 SQ. FT.	PER 1,000 SQ. YD.	
AGRICULTURAL LIME	6 TONS	240 LB.	2,480 LB.	OR AS PER SOIL TEST, MAY NOT BE REQUIRED IN AGRICULTURAL FIELDS
10-20-20 FERTILIZER	1,000 LB.	25 LB.	210 LB.	OR AS PER SOIL TEST, MAY NOT BE REQUIRED IN AGRICULTURAL FIELDS
TEMPORARY SEEDING APPLICATION RATE				
AGRICULTURAL LIME	1 TON	40 LB.	410 LB.	TYPICALLY NOT REQUIRED FOR TOPSOIL STOCKPILES
10-10-10 FERTILIZER	500 LB.	12.5 LB.	100 LB.	TYPICALLY NOT REQUIRED FOR TOPSOIL STOCKPILES

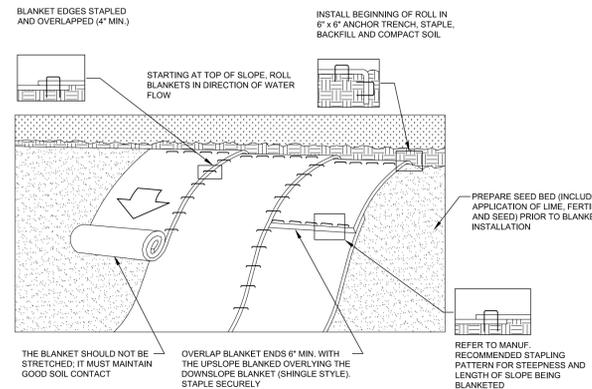
NOTE: A COMPOST BLANKET WHICH MEETS THE REQUIRED STANDARDS MAY BE SUBSTITUTED FOR THE SOIL AMENDMENTS SHOWN IN TABLE 11.2.

3	C401	SEEDING SPECIFICATIONS
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**RECYCLING/DISPOSAL OF WASTE**

UPON COMPLETION OF THE PROJECT, RECYCLING OR DISPOSAL OF ALL WASTE MATERIALS SHALL BE THE RESPONSIBILITY OF THE EARTHMOVING CONTRACTOR. CONSTRUCTION WASTE INCLUDES, BUT IS NOT LIMITED TO, EXCESS SOIL MATERIALS, SILT REMOVED FROM EROSION CONTROL FACILITIES, EXCESS BUILDING MATERIALS, CONCRETE WASH WATER, SANITARY WASTES, AND OBSOLETE EROSION CONTROL MATERIALS (SILT FENCE, SILT SACKS, ETC.). SILT REMOVED FROM SEDIMENT CONTROL FACILITIES SHALL BE SPREAD ON THE TOPSOIL STOCKPILE, OR IN LAWN OR LANDSCAPE AREAS. OBSOLETE EROSION CONTROL MATERIALS AND EXCESS BUILDING MATERIALS MUST BE DISPOSED OF AT A DEP APPROVED SITE.

4	C401	RECYCLING / DISPOSAL OF WASTES
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**NOTES:**  
SEED AND SOIL AMENDMENTS SHALL BE APPLIED ACCORDING TO THE RATES IN THE PLAN DRAWINGS PRIOR TO INSTALLING THE BLANKET. PROVIDE ANCHOR TRENCH AT TOE OF SLOPE IN SIMILAR FASHION AS AT TOP OF SLOPE. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS, AND GRASS. BLANKET SHALL HAVE GOOD CONTINUOUS CONTACT WITH UNDERLYING SOIL THROUGHOUT ENTIRE LENGTH. LAY BLANKET LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH SOIL. DO NOT STRETCH BLANKET. THE BLANKET SHALL BE STAPLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. BLANKETED AREAS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT UNTIL PERENNIAL VEGETATION IS ESTABLISHED TO A MINIMUM UNIFORM 70% COVERAGE THROUGHOUT THE BLANKETED AREA. DAMAGED OR DISPLACED BLANKETS SHALL BE RESTORED OR REPLACED WITHIN 4 CALENDAR DAYS.

5	C401	EROSION CONTROL BLANKET
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**INSPECTION AND MAINTENANCE SCHEDULE**

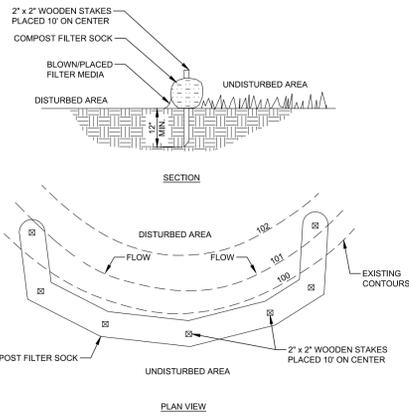
CONTROL MEASURE	INSPECT	PROBLEMS TO LOOK FOR	POSSIBLE REMEDIES
VEGETATION	WEEKLY AND AFTER EVERY RUNOFF EVENT	SEDIMENT AT TOE OF SLOPE  RILLS AND GULLIES FORMING  BARE SOIL PATCHES	CHECK FOR TOP-OF-SLOPE DIVERSION AND INSTALL IF NEEDED.  FILL RILLS AND REGRADE GULLIED SLOPES. RESEED, FERTILIZE, AND MULCH BARE AREAS.
COMPOST FILTER SOCK	WEEKLY AND AFTER EVERY RUNOFF EVENT	SEDIMENT ACCUMULATION ON UPSTREAM SIDE  PONDING WATER	REMOVE SEDIMENT WHEN LEVEL REACHES HALF OF THE EFFECTIVE HEIGHT  REMOVE SEDIMENT OR ADD ADDITIONAL SILT/SOXX TO REDUCE SLOPE LENGTH
COMPOST SOCK CONCRETE WASHOUT AREA	DAILY	DAMAGED OR LEAKING WASHOUTS  MATERIAL ACCUMULATION	REPAIR OR REPLACE IMMEDIATELY  REMOVE MATERIAL WHEN 50% CAPACITY IS REACHED

- ALL MAINTENANCE INSPECTIONS SHALL BE LOGGED ONTO DEP FORM # 3800-FM-BCW0271D, DATED 05/20/18, AND KEPT ON THE SITE AT ALL TIMES.
- ALL REPAIRS TO BE COMPLETED WITHIN 24 HOURS OF DISCOVERY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL TEMPORARY CONTROL MEASURES DURING CONSTRUCTION.
- ALL DEVICES SHOULD BE INSPECTED WEEKLY AND AFTER EVERY RUNOFF EVENT. IF, DURING THESE INSPECTIONS, ANY DEVICE IS FOUND TO BE CLOGGED, DAMAGED, HALF-FULL OF SILT OR NOT FULLY OPERATIONAL, THE DEVICE(S) SHALL BE CLEANED OF ALL DEBRIS.
- UPON COMPLETION OF THE PROJECT, RECYCLING OR DISPOSAL OF ALL TEMPORARY EROSION CONTROL MATERIALS SHALL BE THE RESPONSIBILITY OF THE EARTHMOVING CONTRACTOR.
- CONSTRUCTION WASTE INCLUDES, BUT IS NOT LIMITED TO, EXCESS SOIL MATERIALS, SILT REMOVED FROM EROSION CONTROL FACILITIES, EXCESS BUILDING MATERIALS, CONCRETE WASH WATER, SANITARY WASTES, AND OBSOLETE EROSION CONTROL MATERIALS (SILT FENCE, SILT SACKS, ETC.). OBSOLETE EROSION CONTROL MATERIALS AND EXCESS BUILDING MATERIALS MUST BE DISPOSED OF AT A DEP APPROVED SITE.
- SILT REMOVED FROM SEDIMENT CONTROL FACILITIES SHALL BE SPREAD ON THE TOPSOIL STOCKPILE, OR IN LAWN OR LANDSCAPE AREAS.

6	C401	MAINTENANCE SCHEDULE
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**CLEAN FILL AND ENVIRONMENTAL DUE DILIGENCE:**

**ENVIRONMENTAL DUE DILIGENCE** MEANS PERFORMING INVESTIGATIVE TECHNIQUES



**TABLE 4.1  
COMPOST SOCK FABRIC MINIMUM SPECIFICATIONS**

MATERIAL TYPE	3 mil HDPE	5 mil HDPE	5 mil HDPE	MULTI-FILAMENT POLYPROPYLENE (MFFP)	HEAVY DUTY MULTIFILAMENT POLYPROPYLENE (HDMFFP)
MATERIAL CHARACTERISTICS	PHOTO-DEGRADABLE	PHOTO-DEGRADABLE	BIO-DEGRADABLE	PHOTO-DEGRADABLE	PHOTO-DEGRADABLE
SOCK DIAMETERS	12" 18"	12" 18" 24" 32"	12" 18" 24" 32"	12" 18" 24" 32"	12" 18" 24" 32"
MESH OPENING	3/8"	3/8"	3/8"	3/8"	3/8"
TENSILE STRENGTH		26 PSI	26 PSI	44 PSI	202 PSI
ULTRAVIOLET STABILITY % ORIG. STRENGTH (ASTM G-155)	23% AT 1000 HR.	23% AT 1000 HR.		100% AT 1000 HR.	100% AT 1000 HR.
MINIMAL FUNCTIONAL LONGEVITY	6 MONTHS	9 MONTHS	6 MONTHS	1 YEAR	2 YEARS

**TWO-PLY SYSTEMS**

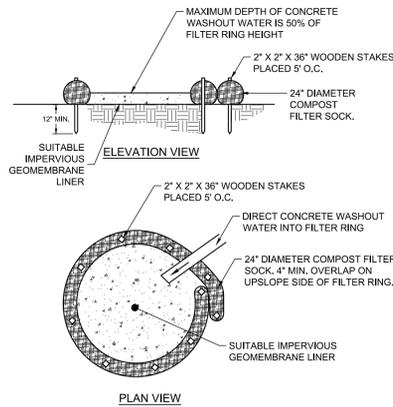
INNER CONTAINMENT NETTING	HDPE BIAXIAL NET
	CONTINUOUSLY WOUND FUSION-WELDED JUNCTURES
OUTER FILTRATION MESH	COMPOSITE POLYPROPYLENE FABRIC (WOVEN LAYER AND NON-WOVEN FLEECE MECHANICALLY FUSED VIA NEEDLE PUNCH)
	3/4" x 3/4" MAX. APERTURE SIZE

SOCK FABRICS COMPOSED OF BURLAP MAY BE USED ON PROJECTS LASTING 6 MONTHS OR LESS.

**TABLE 4.2  
COMPOST STANDARDS**

ORGANIC MATTER CONTENT	25% - 100% (DRY WEIGHT BASIS)
ORGANIC PORTION	FIBROUS AND ELONGATED
Ph	5.5 - 8.5
MOISTURE CONTENT	30% - 60%
PARTICLE SIZE	30% - 50% PASS THRU 3/8" SIEVE
SOLUBLE SALT CONCENTRATION	5.0 dS/m (mmhos/cm) MAXIMUM

Sock No.	Dia. In.	Location	Slope Percent	Slope Length Above Barrier (FT)
1	18	See Sheet C400	14.9	114
2	18	See Sheet C400	14.7	116
3	12	See Sheet C400	20.7	58
4	12	See Sheet C400	13.5	74
5	12	See Sheet C400	9.4	64
6	12	See Sheet C400	13.3	30
7	12	See Sheet C400	9.7	62
8	12	See Sheet C400	8.0	50
9	12	See Sheet C400	7.7	26
10	12	See Sheet C400	20.0	10
11	12	See Sheet C400	15.0	20
12	12	See Sheet C400	12.5	40
13	12	See Sheet C400	12.0	50
14	12	See Sheet C400	12.5	64
15	12	See Sheet C400	11.9	84
16	12	See Sheet C400	11.2	98



- NOTES:**
- INSTALL ON FLAT GRADE FOR OPTIMAL PERFORMANCE.
  - 18" DIAMETER FILTER SOCK MAY BE STACKED ONTO DOUBLE 24" DIAMETER SOCKS IN PYRAMIDAL CONFIGURATION FOR ADDED HEIGHT.
  - A SUITABLE IMPERVIOUS GEOMEMBRANE LINER SHALL BE PLACED AT THE LOCATION PRIOR TO THE INSTALLING THE SOCKS.

**SITE SOIL TYPES:**

SOIL TYPE	SLOPE	LIMITATIONS	REMEDIAL ACTIONS
UGD (URBAN LAND-GUERNEY COMPLEX)	MODERATE TO STEEP	<ul style="list-style-type: none"> <li>CUTBANKS MAY CAVE</li> <li>CORROSIVE TO CONCRETE OR STEEL</li> <li>EASILY ERODIBLE</li> <li>SEASONAL HIGH WATER TABLE</li> <li>HYDRIC INCLUSIONS</li> <li>LANDSLIDE PRONE</li> <li>POOR SOURCE OF TOPSOIL</li> <li>FROST ACTION</li> <li>POTENTIAL SINKHOLE</li> <li>WETNESS</li> </ul>	<p><b>SOILS SUSCEPTIBLE TO CUTBANKS CAVE:</b></p> <ul style="list-style-type: none"> <li>PREVENT SATURATION OF SLOPES.</li> <li>PROVIDE ANCHORING OR RETAINING SYSTEMS.</li> <li>PROVIDE BENCHING TO CATCH FALLING DEBRIS.</li> <li>PROVIDE TRENCH BOXES FOR UTILITY INSTALLATION.</li> <li>SOILS SUSCEPTIBLE TO HIGH WATER TABLES AND/OR PIPING AND SEEPING:</li> <li>PROVIDE PUMPED WATER SEDIMENT REMOVAL FACILITIES</li> <li>USE CLAY EMBANKMENT CORES.</li> <li>UTILIZE ANTI-SEEP COLLARS OR GRAVEL PACKS.</li> <li>USE EROSION CONTROL BLANKETS AND INSTALL BMPs PRIOR TO DISTURBANCE.</li> <li>SELECTION OF SEED MIXTURES WITH RAPIDLY GERMINATING SPECIES.</li> <li>SODDING</li> <li>USE OF SPECIAL STABILIZATION PRODUCTS (E.G. CELLULAR GRIDS, INTERLOCKING CONCRETE BLOCKS...)</li> </ul> <p><b>SOILS SUSCEPTIBLE TO SLIPS &amp; LANDSLIDES:</b></p> <ul style="list-style-type: none"> <li>PREVENT SATURATION OF SLOPES.</li> <li>PROVIDE ANCHORING OR RETAINING SYSTEMS.</li> <li>PROVIDE BENCHING TO CATCH FALLING DEBRIS.</li> <li>SEE GEOTECHNICAL NOTE BELOW.</li> </ul> <p><b>SOILS THAT ARE POOR SOURCES OF TOPSOIL:</b></p> <ul style="list-style-type: none"> <li>IMPORT TOPSOIL AS NEEDED.</li> <li>PERFORM SOIL TESTS TO DETERMINE PROPER APPLICATION OF SOIL AMENDMENTS AND PROPER MOISTURE CONTENT FOR PROPOSED VEGETATIVE COVER.</li> </ul>

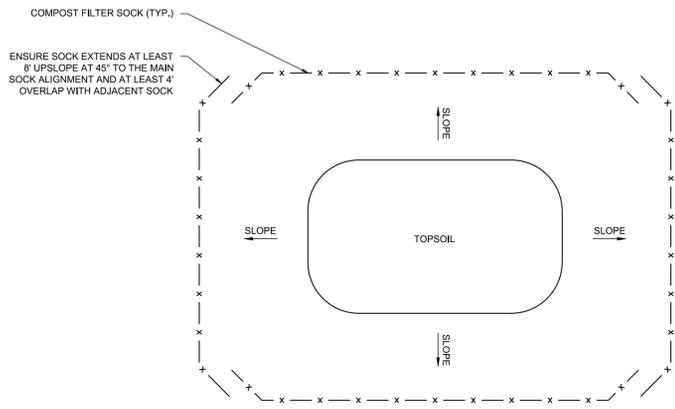
**REVISION RECORD**

No.	Date	ISSUED DESIGN DEVELOPMENT PLANS
01		
02	2025-05-16	
03		
04		
05		
06		
07		
08		

1	COMPOST FILTER SOCK
C402	

2	CONCRETE WASHOUT AREA
C402	

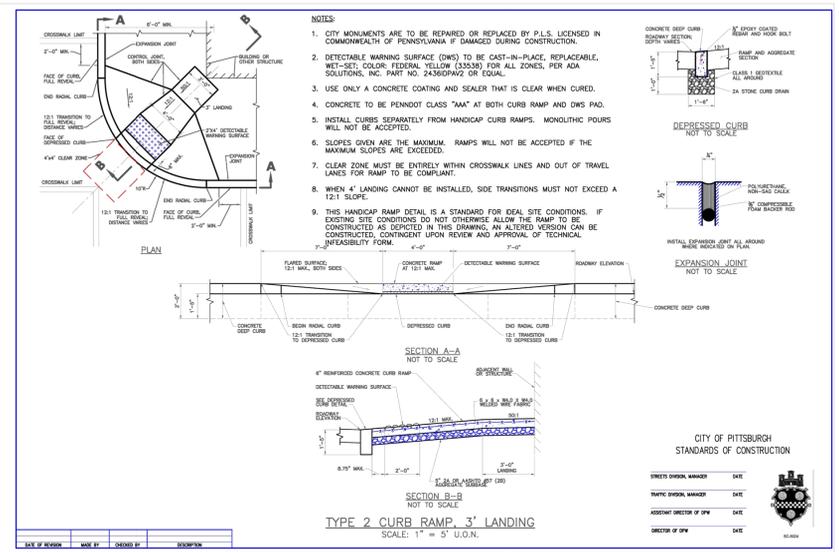
3	SITE SOIL LIMITATIONS
C402	



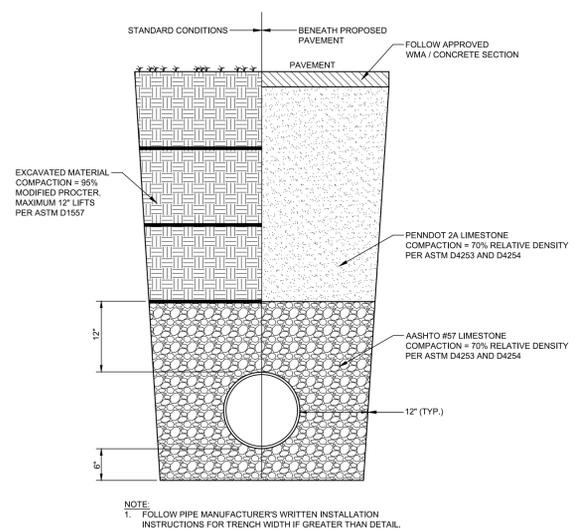
- NOTES:**
- TOPSOIL STOCKPILE LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR DURING CONSTRUCTION PER SITE PHASING. ADDITIONAL COORDINATION WITH THE ALLEGHENY COUNTY CONSERVATION DISTRICT MAY BE REQUIRED FOR APPROVAL OF STOCKPILE LOCATIONS.
  - THE AREA DOWNSLOPE FROM THE COMPOST FILTER SOCK MAY NOT BE UNDER DEVELOPMENT OR OTHERWISE DISTURBED, UNLESS DOWNSLOPE PERIMETER BMPs ARE PROVIDED.
  - ENSURE DOWNSLOPE COVERAGE ON ALL SIDES OF TOPSOIL STOCKPILE.
  - COMPOST FILTER SOCK SIZE SHALL BE PROVIDED IN ACCORDANCE WITH FIGURE 4.2.

4	TOPSOIL STOCKPILE
C402	

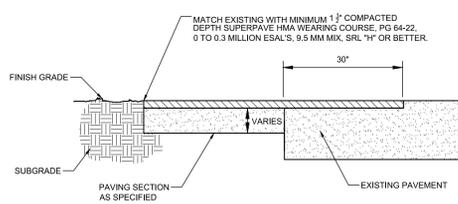




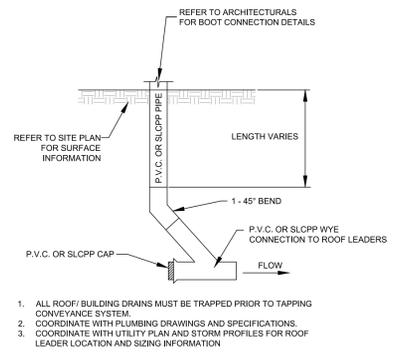
1	TYPE 2 CURB RAMP (CITY OF PITTSBURGH ROW)
C601	



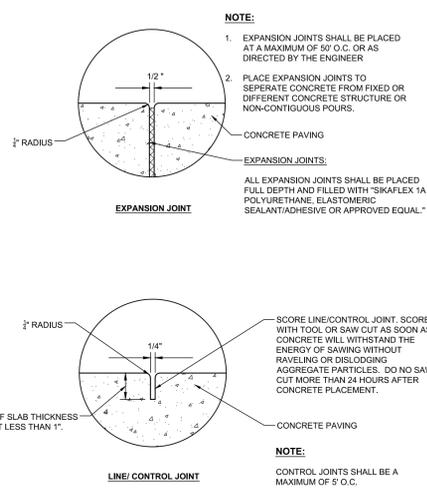
2	UNDERGROUND PIPE OR CONDUIT BACKFILL
C601	



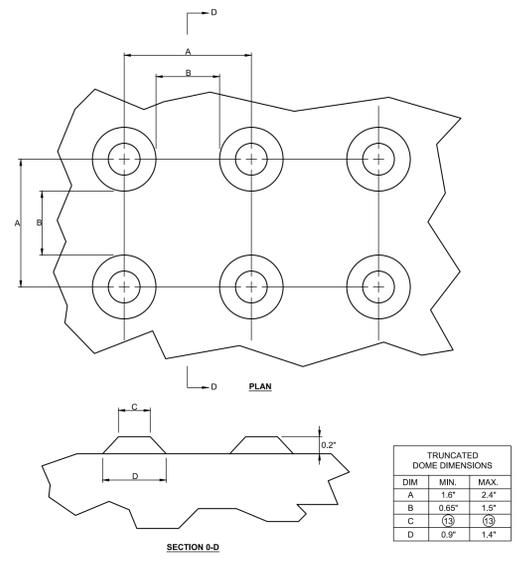
3	PAVEMENT PATCH
C601	



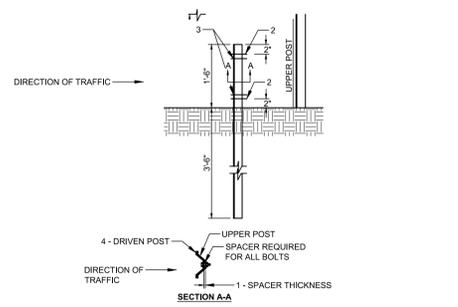
4	CLEANOUT
C601	



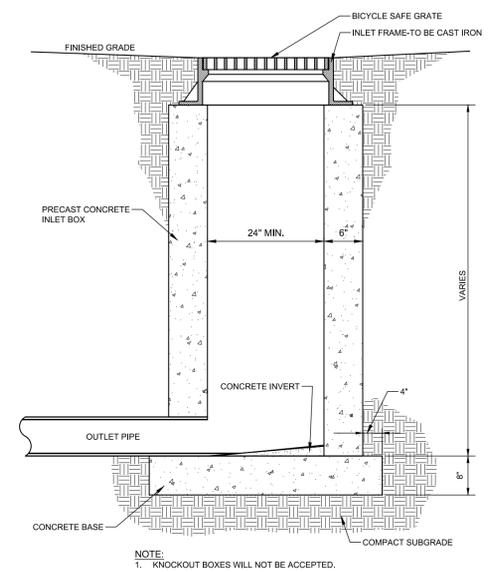
5	CONCRETE EXPANSION/SCORE LINE/CONTROL
C601	



6	DETECTABLE WARNING SURFACE (DWS) TRUNCATED DOME DETAILS
C601	



7	U CHANNEL POST
C601	



8	2' x 2' YARD DRAIN
C601	

REVISION RECORD	
No.	Date
01	2023-05-16
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**CREATIVE ANALYTIC PLAY SPACE AT BRASHEAR**  
130 BAUSMAN STREET  
PITTSBURGH, PA 15210

PREPARED FOR:  
**THE BRASHEAR ASSOCIATION**  
320 BROWNSVILLE ROAD  
PITTSBURGH, PA 15210

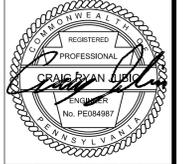
**CONSTRUCTION DETAILS**

Project Number: C-46921-0001  
Drawing Scale: N.T.S.  
Date Issued: MARCH 2025.  
Index Number: -  
Drawn By: APK  
Checked By: -  
Project Manager: CRJ

**C601**







**SITE LEGEND**

	PROPOSED WALL
	2 REINFORCED CONCRETE SIDE-WALK (CITY OF PITTSBURGH ROW)

- SITE PLAN NOTES:**
- CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR THE EXACT LOCATION OF UTILITY ENTRANCES, BUILDING DIMENSIONS, ROOF LEADERS, EXIT DOORS, EXIT RAMPS AND PORCHES.
  - 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.
  - ALL NON-LANDSCAPED ISLANDS SHALL BE PAINTED WITH STRIPES 4" WIDE, AT 45° AND 2 FEET O.C. UNLESS OTHERWISE SPECIFIED. USE ALKYD-RESIN TYPE, READY MIX COMPLYING WITH AASHTO M248, TYPE I COLOR WHITE.
  - WITHIN THE LIMITS OF THE PROPOSED DRIVEWAYS THE CONTRACTOR SHALL SAW CUT AND REMOVE THE EXISTING PAVEMENT AND THE EXISTING CURB AND SHOULDER. THE CURB SECTION OF THE PROPOSED DRIVEWAYS SHALL BE DEPRESSED ACROSS THE LIMITS OF EACH DRIVEWAY. THE PROPOSED CURB SHALL MATCH INTO THE EXISTING PAVEMENT AT ALL DRIVEWAY LOCATIONS. THE CONTRACTOR SHALL CLEAN CONTACT SURFACES OF ALL EXISTING PAVEMENTS BEFORE PLACEMENT OF PROPOSED ADJACENT PAVEMENT. ALL JOINTS SHALL BE SEALED WITH A 1/4-INCH STRIP OF PG 64-22.
  - 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**

No.	Date	ISSUED DESIGN DEVELOPMENT PLANS	ADDRESSED DOMI ENCROACHMENT PERMIT COMMENTS	ADDRESSED DOMI ENCROACHMENT PERMIT COMMENTS
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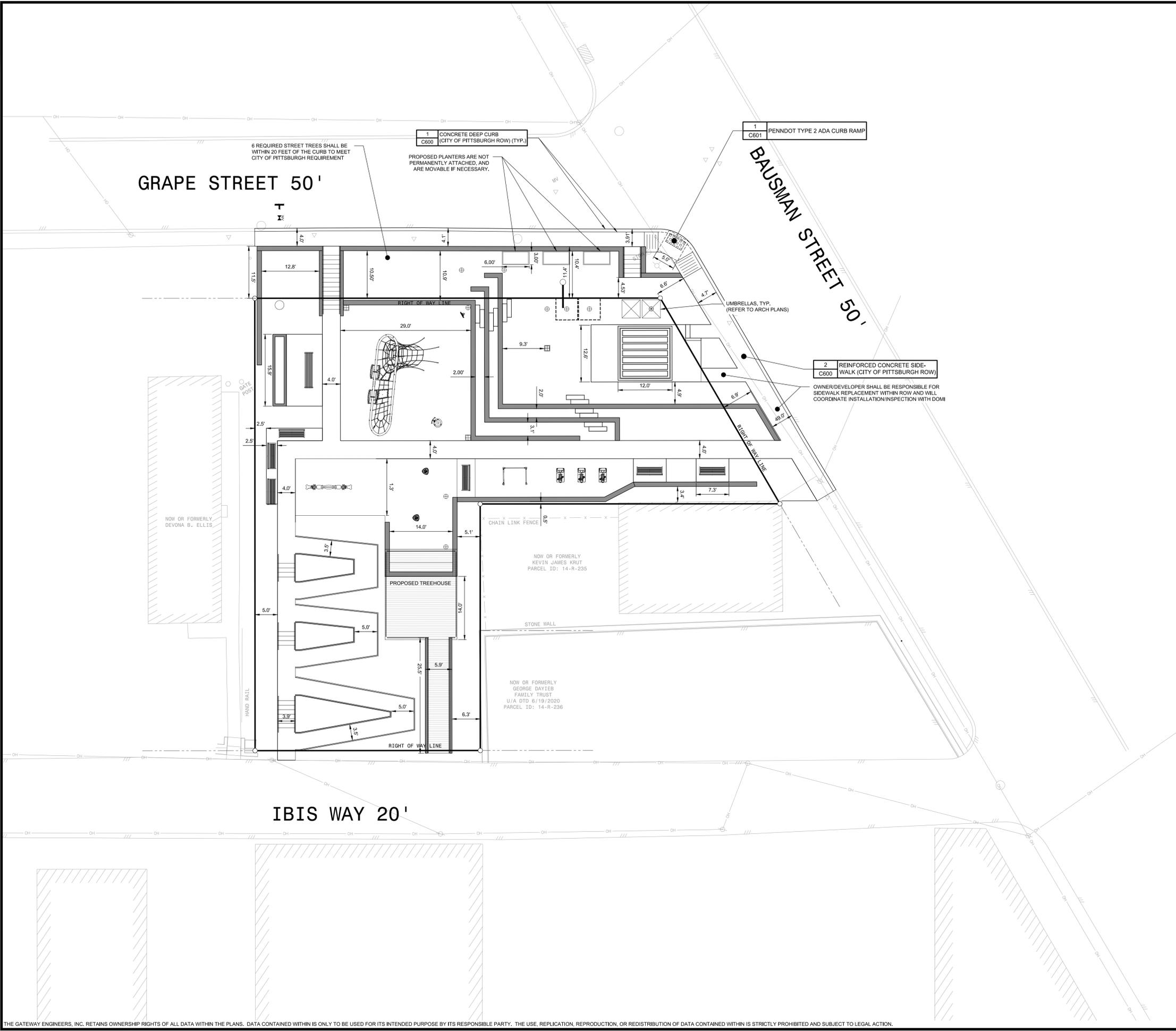
**CREATIVE ANALYTIC PLAY SPACE AT BRASHEAR**  
130 BAUSMAN STREET  
PITTSBURGH, PA 15210  
PREPARED FOR:  
**THE BRASHEAR ASSOCIATION**  
320 BROWNSVILLE ROAD  
PITTSBURGH, PA 15210

**SITE PLAN**  
Project Number: C-46921-0001  
Drawing Scale: 1" = 10'  
Date Issued: MARCH 2025.  
Index Number: -  
Drawn By: APK  
Checked By: -  
Project Manager: CRJ  
**C100**

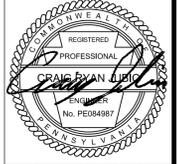
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**NORTH**

**GRAPHIC SCALE**  
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(IN FEET)  
1 inch = 10 ft.



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**GRADING LEGEND**

×0.00.00	PROPOSED SPOT GRADE
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**SPOT GRADE ABBREVIATIONS**

TC	TOP CURB
BC	BOTTOM CURB
TC/BC	TOP CURB/ BOTTOM CURB
TW	TOP WALL
BW	BOTTOM WALL
RM	STORM STRUCTURE RIM ELEVATION

**GRADING PLAN NOTES:**

- ALL SITE WORK SHALL BE DONE IN ACCORDANCE WITH THE PLANS PREPARED BY THE GATEWAY ENGINEERS, INC., THE CURRENT REQUIREMENTS OF THE CITY OF PITTSBURGH AND ALL OTHER PERTINENT FEDERAL AND STATE LAWS.
- 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 91-594), FEDERAL REGISTER, CHAPTER XVII, PART 1926 OF TITLE 29 REGULATIONS, OCCUPATIONAL SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION, AND SUBSEQUENT PUBLICATIONS UPDATING THESE REGULATIONS.
- 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.
- 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.
- ALL AREAS NOT PAVED SHALL BE TOP SOILED, SEEDING, MULCHED OR LANDSCAPED UNLESS OTHERWISE NOTED IN THE CONSTRUCTION DRAWINGS. SITE SPECIFICATIONS OR INSTRUCTED BY THE OWNER.
- SPOT ELEVATIONS ARE LOCATED AT THE TOP OF PAVEMENT.
- THE CONTRACTOR SHALL REMOVE ANY EXCESS TOPSOIL 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.
- 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.
- AN AS-BUILT DRAWING OF THE RAINWATER COLLECTION/REUSE SYSTEM, STORM SEWER SYSTEM, AND ALL OTHER NEW UTILITY SERVICES PREPARED AND SEALED BY A PROFESSIONAL LAND SURVEYOR IS REQUIRED TO BE SUBMITTED TO THE OWNER AND PROJECT ENGINEER.

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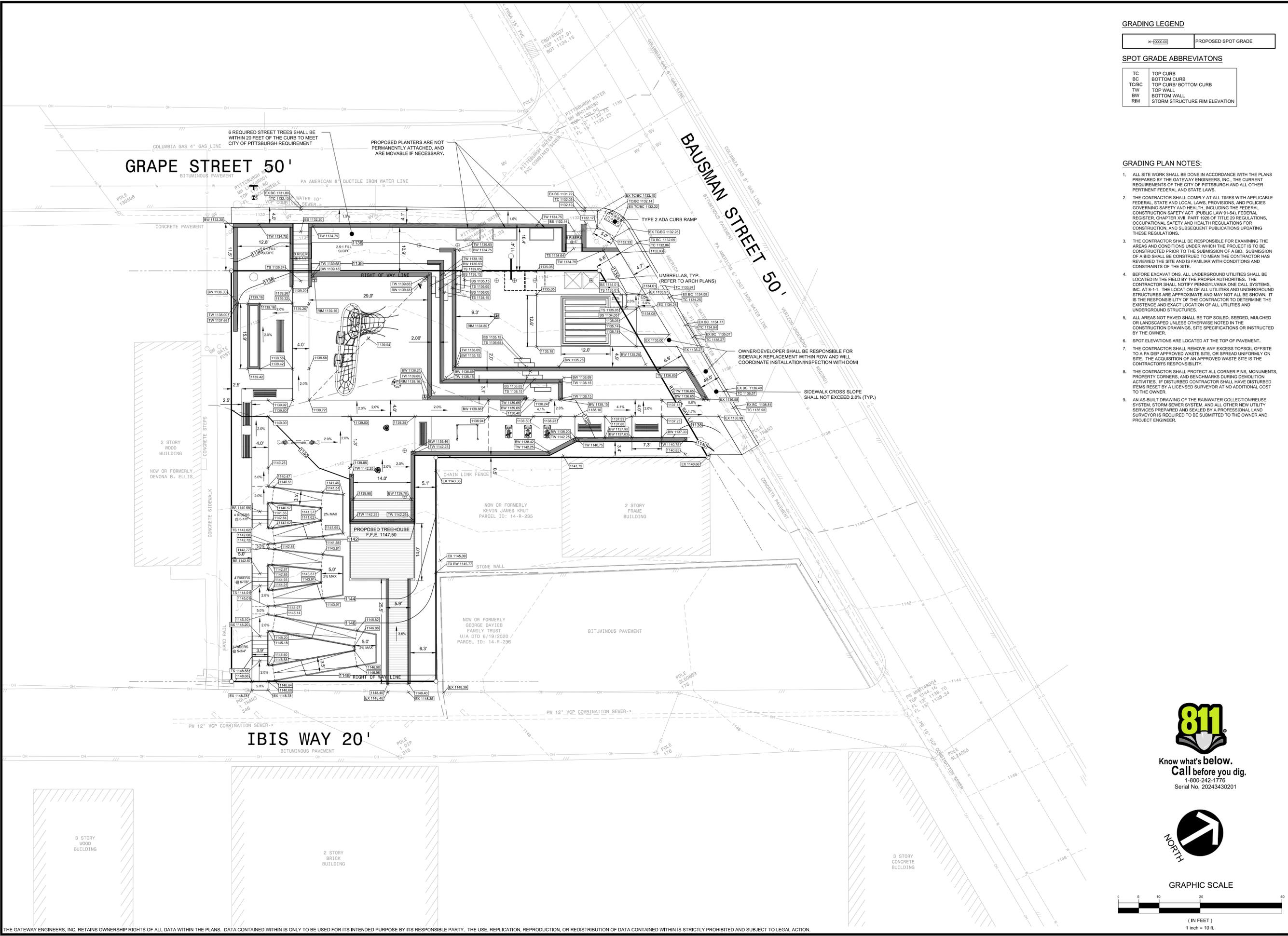
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PITTSBURGH, PA 15210

**THE BRASHEAR ASSOCIATION**  
320 BROWNVILLE ROAD  
PITTSBURGH, PA 15210

**GRADING PLAN**

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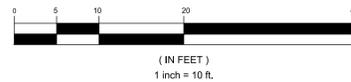
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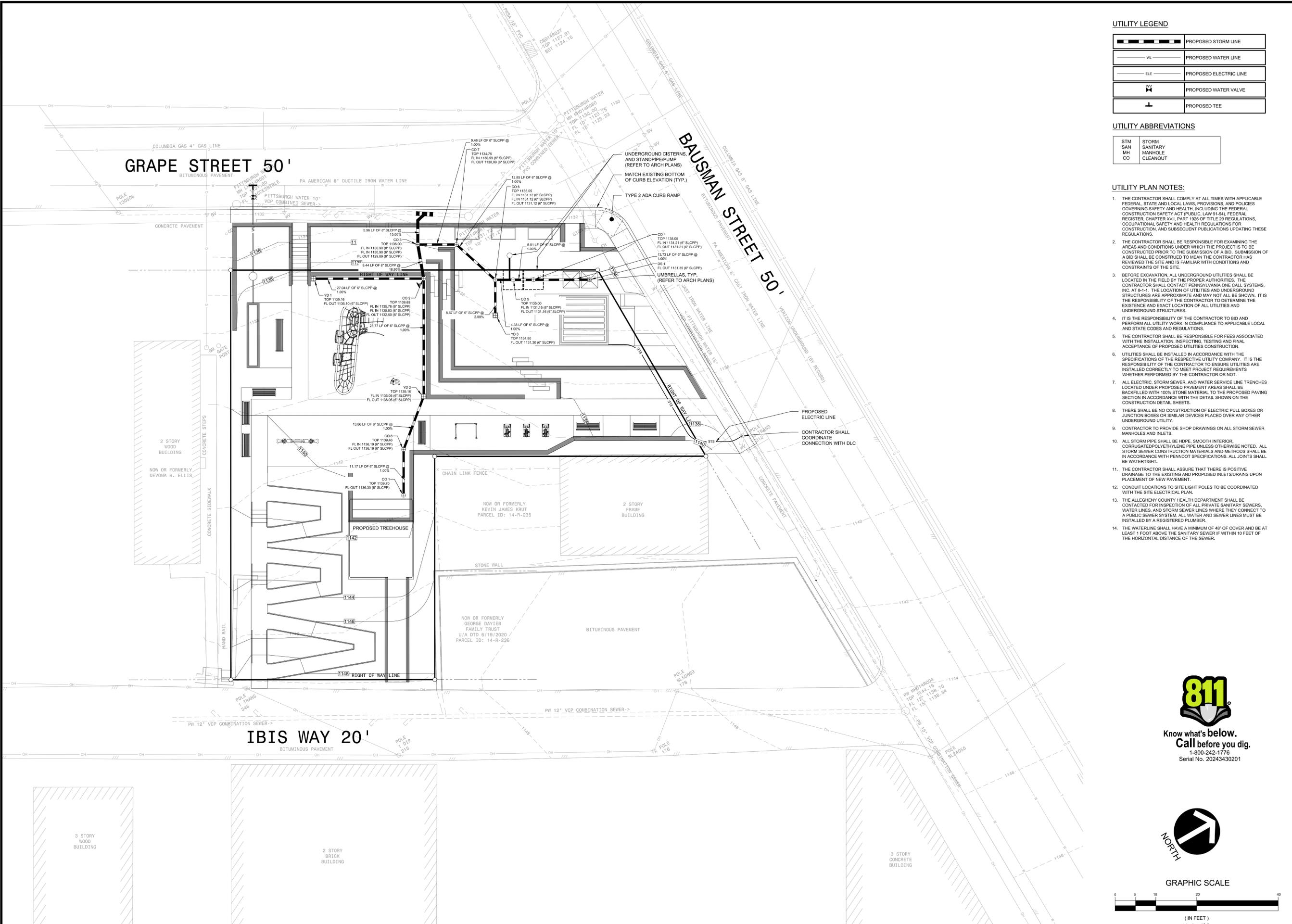
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**GRAPHIC SCALE**



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**UTILITY LEGEND**

	PROPOSED STORM LINE
	PROPOSED WATER LINE
	PROPOSED ELECTRIC LINE
	PROPOSED WATER VALVE
	PROPOSED TEE

**UTILITY ABBREVIATIONS**

STM	STORM
SAN	SANITARY
MH	MANHOLE
CO	CLEANOUT

- UTILITY PLAN NOTES:**
- 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 91-564, FEDERAL REGISTER, CHAPTER XVII, PART 1926 OF TITLE 29 REGULATIONS, OCCUPATIONAL SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION, AND SUBSEQUENT PUBLICATIONS UPDATING THESE REGULATIONS.
  - 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.
  - BEFORE EXCAVATION, ALL UNDERGROUND UTILITIES SHALL BE LOCATED IN THE FIELD BY THE PROPER AUTHORITIES. THE CONTRACTOR SHALL CONTACT PENNSYLVANIA ONE CALL SYSTEMS, INC. AT 8-1-1. THE LOCATION OF 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.
  - IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BID AND PERFORM ALL UTILITY WORK IN COMPLIANCE TO APPLICABLE LOCAL AND STATE CODES AND REGULATIONS.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR FEES ASSOCIATED WITH THE INSTALLATION, INSPECTING, TESTING AND FINAL ACCEPTANCE OF PROPOSED UTILITIES CONSTRUCTION.
  - UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THE SPECIFICATIONS OF THE RESPECTIVE UTILITY COMPANY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE UTILITIES ARE INSTALLED CORRECTLY TO MEET PROJECT REQUIREMENTS WHETHER PERFORMED BY THE CONTRACTOR OR NOT.
  - ALL ELECTRIC, STORM SEWER, AND WATER SERVICE LINE TRENCHES LOCATED UNDER PROPOSED PAVEMENT AREAS SHALL BE BACKFILLED WITH 100% STONE MATERIAL TO THE PROPOSED PAVING SECTION IN ACCORDANCE WITH THE DETAIL SHOWN ON THE CONSTRUCTION DETAIL SHEETS.
  - THERE SHALL BE NO CONSTRUCTION OF ELECTRIC PULL BOXES OR JUNCTION BOXES OR SIMILAR DEVICES PLACED OVER ANY OTHER UNDERGROUND UTILITY.
  - CONTRACTOR TO PROVIDE SHOP DRAWINGS ON ALL STORM SEWER MANHOLES AND INLETS.
  - ALL STORM PIPE SHALL BE HDPE, SMOOTH INTERIOR, CORRUGATED POLYETHYLENE PIPE UNLESS OTHERWISE NOTED. ALL STORM SEWER CONSTRUCTION MATERIALS AND METHODS SHALL BE IN ACCORDANCE WITH PENNDOT SPECIFICATIONS. ALL JOINTS SHALL BE WATERTIGHT.
  - THE CONTRACTOR SHALL ASSURE THAT THERE IS POSITIVE DRAINAGE TO THE EXISTING AND PROPOSED INLETS/DRAINS UPON PLACEMENT OF NEW PAVEMENT.
  - CONDUIT LOCATIONS TO SITE LIGHT POLES TO BE COORDINATED WITH THE SITE ELECTRICAL PLAN.
  - THE ALLEGHENY COUNTY HEALTH DEPARTMENT SHALL BE CONTACTED FOR INSPECTION OF ALL PRIVATE SANITARY SEWERS, WATER LINES, AND STORM SEWER LINES WHERE THEY CONNECT TO A PUBLIC SEWER SYSTEM. ALL WATER AND SEWER LINES MUST BE INSTALLED BY A REGISTERED PLUMBER.
  - THE WATERLINE SHALL HAVE A MINIMUM OF 48" OF COVER AND BE AT LEAST 1 FOOT ABOVE THE SANITARY SEWER IF WITHIN 10 FEET OF THE HORIZONTAL DISTANCE OF THE SEWER.



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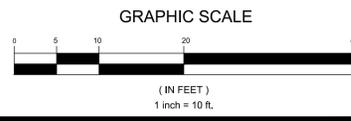
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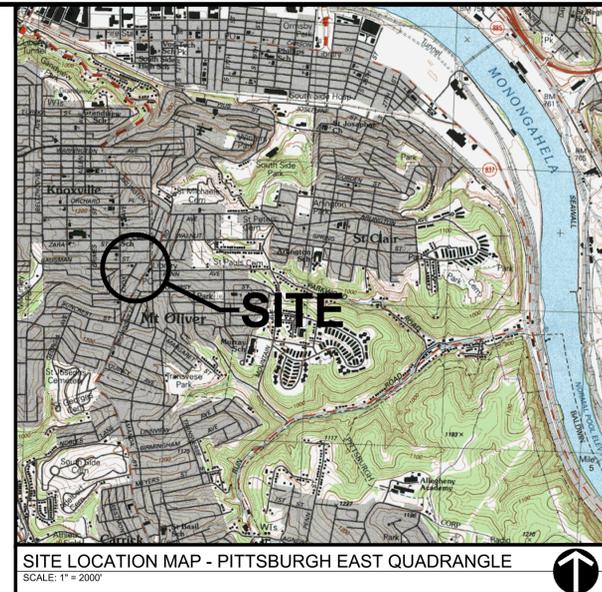
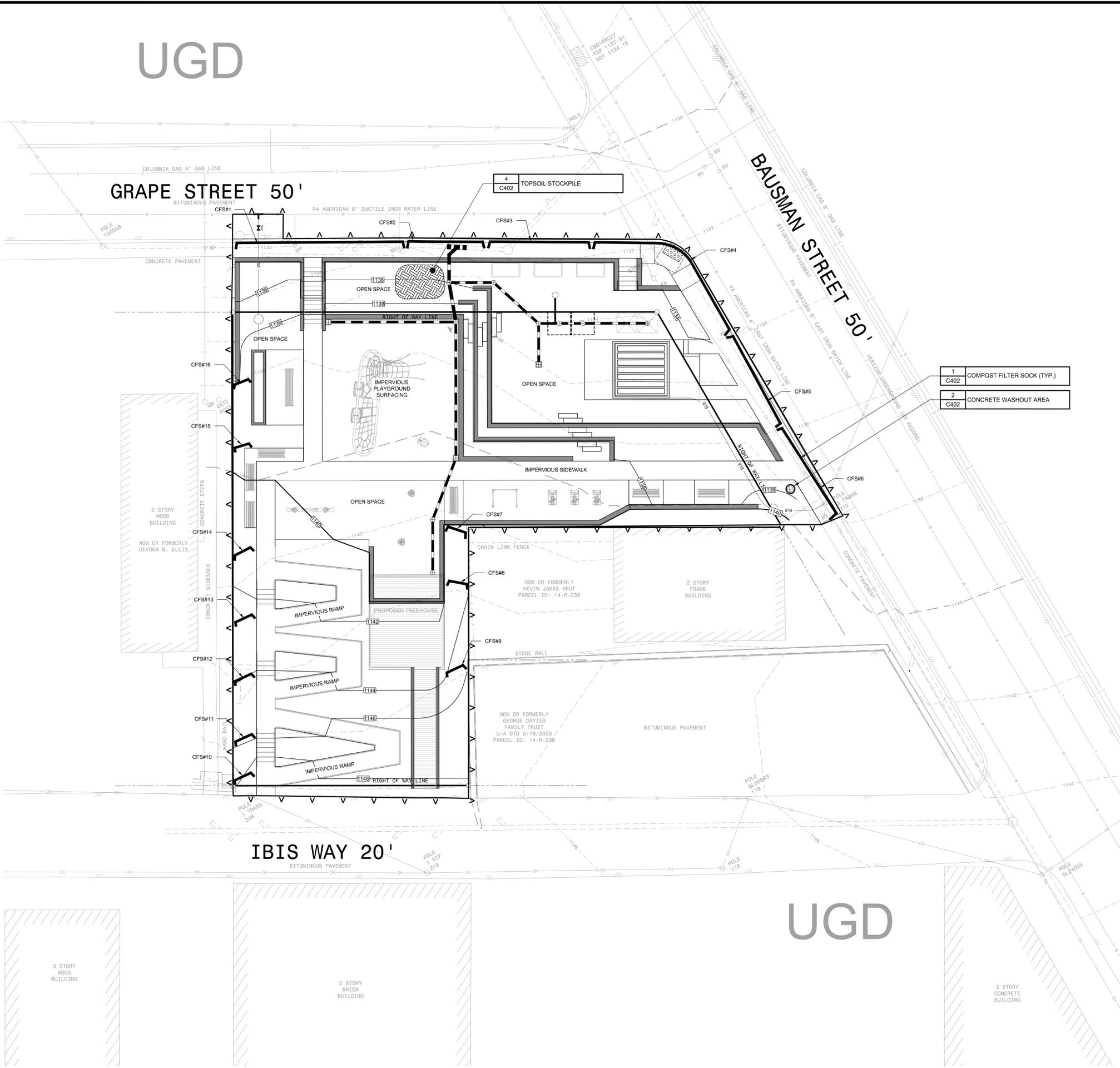
UTILITY PLAN

Project Number: C-46921-0001  
 Drawing Scale: 1" = 10'  
 Date Issued: MARCH 2025.  
 Index Number: -  
 Drawn By: APK  
 Checked By: -  
 Project Manager: CRJ

**C300**

THIS PLAN IS FOR EROSION AND SEDIMENT CONTROL PURPOSES ONLY

UGD



SITE LOCATION MAP - PITTSBURGH EAST QUADRANGLE  
SCALE: 1" = 2000'

EROSION AND SEDIMENT CONTROL LEGEND

	5 C401	EROSION CONTROL BLANKET
	1 C402	COMPOST FILTER SOCK
	2 C402	CONCRETE WASHOUT AREA
	4 C402	TOPSOIL STOCKPILE
		SOIL BOUNDARIES
		LIMITS OF DISTURBANCE / PERMIT BOUNDARY

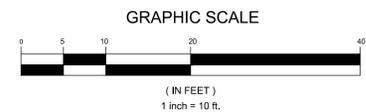
EROSION AND SEDIMENT CONTROL NOTES:

- 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.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXAMINING THE AREAS AND CONDITIONS UNDER WHICH THE PROJECT IS TO BE CONSTRUCTED PRIOR TO THE SUBMISSION OF THE 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.
- BEFORE EXCAVATION, ALL UNDERGROUND UTILITIES SHALL BE LOCATED IN THE FIELD BY THE PROPER AUTHORITIES. THE CONTRACTOR SHALL NOTIFY PENNSYLVANIA ONE CALL SYSTEMS, INC. AT 1-800-242-1776. THE LOCATION OF ALL UTILITIES AND UNDERGROUND STRUCTURES ARE APPROXIMATE AND MAY NOT BE SHOWN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTENCE AND EXACT LOCATION OF ALL UTILITIES AND UNDERGROUND STRUCTURES.
- CONTRACTOR TO PROVIDE SHOP DRAWINGS ON ALL STORM SEWER MANHOLES, INLETS, AND DETENTION SYSTEMS.
- AN AS-BUILT DRAWING OF NEW UTILITY SERVICES SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED TO THE OWNER UPON COMPLETION OF THE PROJECT.
- ALL STORM PIPE SHALL BE HDPE, SMOOTH INTERIOR, CORRUGATED POLYETHYLENE PIPE UNLESS OTHERWISE NOTED. ALL STORM SEWER CONSTRUCTION MATERIALS AND METHODS SHALL BE IN ACCORDANCE WITH PENNDOT SPECIFICATIONS. ALL JOINTS SHALL BE WATER-TIGHT.
- CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION.
- THE CONTRACTOR SHALL ASSURE THAT THERE IS POSITIVE DRAINAGE TO THE INLETS UPON PLACEMENT OF NEW PAVEMENT.

PROJECT AREAS  
TOTAL PERMIT AREA / DISTURBED AREA = 0.22 ACRES



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EROSION AND SEDIMENT CONTROL PLAN  
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Drawing Scale: 1" = 10'  
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Index Number: -  
Drawn By: APK  
Checked By: -  
Project Manager: CRJ

C400

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**STANDARD EROSION AND SEDIMENT CONTROL PLAN NOTES**

- ALL EARTH DISTURBANCES, INCLUDING CLEARING AND GRUBBING AS WELL AS CUTS AND FILLS SHALL BE DONE IN ACCORDANCE WITH THE APPROVED E&S PLAN, A COPY OF THE APPROVED DRAWINGS (STAMPED, SIGNED AND DATED BY THE REVIEWING AGENCY) MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES. THE REVIEWING AGENCY SHALL BE NOTIFIED OF ANY CHANGES TO THE APPROVED PLAN PRIOR TO IMPLEMENTATION OF THOSE CHANGES. THE REVIEWING AGENCY MAY REQUIRE A WRITTEN SUBMITTAL OF THOSE CHANGES FOR REVIEW AND APPROVAL AT ITS DISCRETION.
- AT LEAST 7 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, INCLUDING CLEARING AND GRUBBING, THE OWNER AND/OR OPERATOR SHALL INVITE ALL CONTRACTORS, THE LANDOWNER, APPROPRIATE MUNICIPAL OFFICIALS, THE E&S PLAN PREPARER, THE PCSM PLAN PREPARER, THE LICENSED PROFESSIONAL RESPONSIBLE FOR OVERSIGHT OF CRITICAL STAGES OF IMPLEMENTATION OF THE PCSM PLAN, AND A REPRESENTATIVE FROM THE LOCAL CONSERVATION DISTRICT TO AN ON-SITE PRECONSTRUCTION MEETING.
- AT LEAST 3 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, OR EXPANDING INTO AN AREA PREVIOUSLY UNMARKED, THE PENNSYLVANIA ONE CALL SYSTEM INC. SHALL BE NOTIFIED AT 1-800-242-1776 FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES.
- ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE SEQUENCE PROVIDED ON THE PLAN DRAWINGS. DEVIATION FROM THAT SEQUENCE MUST BE APPROVED IN WRITING FROM THE LOCAL CONSERVATION DISTRICT OR BY THE DEPARTMENT PRIOR TO IMPLEMENTATION.
- AREAS TO BE FILLED ARE TO BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS AND OTHER OBJECTIONABLE MATERIAL.
- CLEARING, GRUBBING, AND TOPSOIL STRIPPING SHALL BE LIMITED TO THOSE AREAS DESCRIBED IN EACH STAGE OF THE CONSTRUCTION SEQUENCE. GENERAL SITE CLEARING, GRUBBING AND TOPSOIL STRIPPING MAY NOT COMMENCE IN ANY STAGE OR PHASE OF THE PROJECT UNTIL THE E&S BMPS SPECIFIED BY THE BMP SEQUENCE FOR THAT STAGE OR PHASE HAVE BEEN INSTALLED AND ARE FUNCTIONING AS DESCRIBED IN THIS E&S PLAN.
- AT NO TIME SHALL CONSTRUCTION VEHICLES BE ALLOWED TO ENTER AREAS OUTSIDE THE LIMIT OF DISTURBANCE BOUNDARIES SHOWN ON THE PLAN MAPS. THESE AREAS MUST BE CLEARLY MARKED AND FENCED OFF BEFORE CLEARING AND GRUBBING OPERATIONS BEGIN.
- TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED AT THE LOCATION(S) SHOWN ON THE PLAN MAP(S) IN THE AMOUNT NECESSARY TO COMPLETE THE FINISH GRADING OF ALL EXPOSED AREAS THAT ARE TO BE STABILIZED BY VEGETATION. EACH STOCKPILE SHALL BE PROTECTED IN THE MANNER SHOWN ON THE PLAN DRAWINGS. STOCKPILE HEIGHTS SHALL NOT EXCEED 35 FEET. STOCKPILE SLOPES SHALL BE 2H:1V OR FLATTER.
- IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO MINIMIZE THE POTENTIAL FOR EROSION AND SEDIMENT POLLUTION AND NOTIFY THE LOCAL CONSERVATION DISTRICT AND/OR THE REGIONAL OFFICE OF THE DEPARTMENT.
- ALL BUILDING MATERIALS AND WASTES SHALL BE REMOVED FROM THE SITE AND RECYCLED OR DISPOSED OF IN ACCORDANCE WITH THE DEPARTMENT'S SOLID WASTE MANAGEMENT REGULATIONS AT 25 PA. CODE 2601. ET. SEC. 271.1, AND 287.1 ET. SEQ. NO BUILDING MATERIALS OR WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURNED, BURIED, DUMPED, OR DISCHARGED AT THE SITE.
- ALL OFF-SITE WASTE AND BORROW AREAS MUST HAVE AN E&S PLAN APPROVED BY THE LOCAL CONSERVATION DISTRICT OR THE DEPARTMENT FULLY IMPLEMENTED PRIOR TO BEING ACTIVATED.
- THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ANY MATERIAL BROUGHT ON SITE IS CLEAN FILL. FORM FP-001 MUST BE RETAINED BY THE PROPERTY OWNER FOR ANY FILL MATERIAL AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE BUT QUALIFYING AS CLEAN FILL DUE TO CLEAN FILL TESTING.
- ALL PUMPING OF WATER FROM ANY WORK AREA SHALL BE DONE ACCORDING TO THE PROCEDURE DESCRIBED IN THIS PLAN. OVER UNDISTURBED VEGETATED AREAS.
- VEHICLES AND EQUIPMENT MAY NEITHER ENTER DIRECTLY NOR EXIT DIRECTLY FROM THE PROJECT SITE ONTO PUBLIC ROADS.
- UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMPS SHALL BE MAINTAINED PROPERLY. MAINTENANCE SHALL INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT BMPS AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS, ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, REMULCHING AND REINETTING MUST BE PERFORMED IMMEDIATELY, IF THE E&S BMPS FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMPS, OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED.
- A LOG SHOWING DATES THAT E&S BMPS WERE INSPECTED AS WELL AS ANY DEFICIENCIES FOUND AND THE DATE THEY WERE CORRECTED SHALL BE MAINTAINED ON THE SITE AND BE MADE AVAILABLE TO REGULATORY AGENCY OFFICIALS AT THE TIME OF INSPECTION.
- SEDIMENT TRACKED ONTO ANY PUBLIC ROADWAY OR SIDEWALK SHALL BE RETURNED TO THE CONSTRUCTION SITE BY THE END OF EACH WORK DAY AND DISPOSED IN THE MANNER DESCRIBED IN THIS PLAN. IN NO CASE SHALL THE SEDIMENT BE WASHED, SHOVELED OR SWEEPED INTO A DRAIN, STORM SEWER, OR SURFACE WATER.
- ALL SEDIMENT REMOVED FROM BMPS SHALL BE DISPOSED OF IN THE MANNER DESCRIBED ON THE PLAN DRAWINGS.
- AREAS WHICH ARE TO BE TOPSOILED SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 3 TO 5 INCHES - 6 TO 12 INCHES ON COMPACTED SOILS - PRIOR TO PLACEMENT OF TOPSOIL. AREAS TO BE VEGETATED SHALL HAVE A MINIMUM 4 INCHES OF TOPSOIL IN PLACE PRIOR TO SEEDING AND MULCHING. FILL OUTSLOPES SHALL HAVE A MINIMUM OF 2 INCHES OF TOPSOIL.
- ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS. FILL INTENDED TO SUPPORT BUILDINGS, STRUCTURES AND CONDUITS, ETC. SHALL BE COMPACTED IN ACCORDANCE WITH LOCAL REQUIREMENTS OR CODES. REFER TO GEOTECHNICAL REPORT AND CROSS SECTIONS.
- ALL EARTHEN FILLS SHALL BE PLACED IN COMPACTED LAYERS NOT TO EXCEED 9 INCHES IN THICKNESS.
- FILL MATERIALS SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOD, OR OTHER FOREIGN OR OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS.
- FROZEN MATERIALS OR SOFT, MUCKY, OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED INTO FILLS.
- FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.
- SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE WITH THE STANDARD AND SPECIFICATION FOR SUBSURFACE DRAIN OR OTHER APPROVED METHOD.
- ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY UPON REACHING FINISHED GRADE. CUT SLOPES IN COMPETENT BEDROCK AND ROCK FILLS NEED NOT BE VEGETATED. SEEDED AREAS WITHIN 50 FEET OF A SURFACE WATER, OR AS OTHERWISE SHOWN ON THE PLAN DRAWINGS, SHALL BE BLANKETED ACCORDING TO THE STANDARDS OF THIS PLAN.
- IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE IN ANY AREA OR SUBAREA OF THE PROJECT, THE OPERATOR SHALL STABILIZE ALL DISTURBED AREAS. DURING NON-GERMINATING MONTHS, MULCH OR PROTECTIVE BLANKETING SHALL BE APPLIED AS DESCRIBED IN THE PLAN. AREAS NOT AT FINISHED GRADE, WHICH WILL BE ACTIVATED WITHIN 1 YEAR, MAY BE STABILIZED IN ACCORDANCE WITH THE TEMPORARY STABILIZATION SPECIFICATIONS. THOSE AREAS WHICH WILL NOT BE REACTIVATED WITHIN 1 YEAR SHALL BE STABILIZED IN ACCORDANCE WITH THE PERMANENT STABILIZATION SPECIFICATIONS.
- PERMANENT STABILIZATION IS DEFINED AS A MINIMUM UNIFORM, PERENNIAL 70% VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED EROSION. CUT AND FILL SLOPES SHALL BE CAPABLE OF RESISTING FAILURE DUE TO SLUMPING, SLIDING, OR OTHER MOVEMENTS.
- E&S BMPS SHALL REMAIN FUNCTIONAL AS SUCH UNTIL ALL AREAS TRIBUTARY TO THEM ARE PERMANENTLY STABILIZED OR UNTIL THEY ARE REPLACED BY ANOTHER BMP APPROVED BY THE LOCAL COUNTY CONSERVATION DISTRICT OR THE DEPARTMENT.
- UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE LOCAL COUNTY CONSERVATION DISTRICT FOR AN INSPECTION PRIOR TO REMOVAL/CONVERSION OF THE E&S BMPS.
- AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENT BMPS MUST BE REMOVED OR CONVERTED TO PERMANENT POST CONSTRUCTION STORMWATER MANAGEMENT BMPS. AREAS DESTROYED DURING REMOVAL OR CONVERSION OF THE BMPS SHALL BE STABILIZED IMMEDIATELY, IN ORDER TO ENSURE RAPID REVEGETATION OF DISTURBED AREAS. SUCH REMOVAL/CONVERSIONS ARE TO BE DONE ONLY DURING THE GERMINATING SEASON.
- UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE LOCAL CONSERVATION DISTRICT TO SCHEDULE A FINAL INSPECTION.
- FAILURE TO CORRECTLY INSTALL E&S BMPS, FAILURE TO PREVENT SEDIMENT-LADEN RUNOFF FROM LEAVING THE CONSTRUCTION SITE, OR FAILURE TO TAKE IMMEDIATE CORRECTIVE ACTION TO RESOLVE FAILURE OF E&S BMPS MAY RESULT IN ADMINISTRATIVE, CIVIL, AND/OR CRIMINAL PENALTIES BEING INSTITUTED BY THE DEPARTMENT AS DEFINED IN SECTION 602 OF THE PENNSYLVANIA CLEAN STREAMS LAW. THE CLEAN STREAMS LAW PROVIDES FOR UP TO \$10,000 PER DAY IN CIVIL PENALTIES, UP TO \$10,000 IN SUMMARY CRIMINAL PENALTIES, AND UP TO \$25,000 IN MISDEMEANOR CRIMINAL PENALTIES FOR EACH VIOLATION.
- CONCRETE WASH WATER SHALL BE HANDLED IN THE MANNER DESCRIBED ON THE PLAN DRAWINGS. IN NO CASE SHALL IT BE ALLOWED TO ENTER ANY SURFACE WATERS OR GROUNDWATER SYSTEMS.
- ALL CHANNELS SHALL BE KEPT FREE OF OBSTRUCTIONS INCLUDING BUT NOT LIMITED TO FILL, ROCKS, LEAVES, WOODY DEBRIS, ACCUMULATED SEDIMENT, EXCESS VEGETATION, AND CONSTRUCTION MATERIALS/WASTES.
- SEDIMENT BASINS AND/OR TRAPS SHALL BE KEPT FREE OF ALL CONSTRUCTION WASTE, WASH WATER, AND OTHER DEBRIS HAVING POTENTIAL TO CLOG THE BASIN/TRAP/OUTLET STRUCTURES AND/OR POLLUTE THE SURFACE WATERS.
- SEDIMENT BASINS SHALL BE PROTECTED FROM UNAUTHORIZED ACTS BY THIRD PARTIES.
- ANY DAMAGE THAT OCCURS IN WHOLE OR IN PART AS A RESULT OF BASIN OR TRAP DISCHARGE SHALL BE IMMEDIATELY REPAIRED BY THE PERMITTEE IN A PERMANENT MANNER SATISFACTORY TO THE MUNICIPALITY, LOCAL CONSERVATION DISTRICT, AND THE OWNER OF THE DAMAGED PROPERTY.
- UPON REQUEST, THE APPLICANT OR HIS CONTRACTOR SHALL PROVIDE AN AS-BUILT (RECORD DRAWING) FOR ANY SEDIMENT BASIN OR TRAP TO THE MUNICIPAL INSPECTOR, LOCAL CONSERVATION DISTRICT OR THE DEPARTMENT.
- EROSION CONTROL BLANKETING SHALL BE INSTALLED ON ALL SLOPES 3H:1V OR STEEPER WITHIN 50 FEET OF A SURFACE WATER AND ON ALL OTHER DISTURBED AREAS SPECIFIED ON THE PLAN MAPS AND/OR DETAIL SHEETS.
- FILL MATERIAL FOR EMBANKMENTS SHALL BE FREE OF ROOTS, OR OTHER WOODY VEGETATION, ORGANIC MATERIAL, LARGE STONES, AND OTHER OBJECTIONABLE MATERIALS. THE EMBANKMENT SHALL BE COMPACTED IN MAXIMUM 10" LAYERED LIFTS AT 90% DENSITY.

1	C401	STANDARD E&S NOTES
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**CONSTRUCTION STAGING**

- NOTE FOR ALL DISTURBED AREAS, AS SOON AS SLOPES, CHANNELS, DITCHES, AND OTHER DISTURBED AREAS REACH FINAL GRADE, THEY MUST BE STABILIZED, UPON COMPLETION OR TEMPORARY CESSATION OF EARTH DISTURBANCE ACTIVITY, OR ANY STAGE THEREOF, THE PROJECT SITE SHALL BE IMMEDIATELY STABILIZED. NO MORE THAN 15,000 SQUARE FEET OF DISTURBED AREA SHALL REACH FINAL GRADE BEFORE INITIATING SEEDING AND MULCHING OPERATIONS.
- ALL CONSTRUCTION SHALL TAKE PLACE WITHIN THE LIMITS OF DISTURBANCE AS NOTED ON THE DRAWING.
- VEGETATED AREAS MUST ACHIEVE A MINIMUM UNIFORM 70% PERENNIAL VEGETATIVE COVER OVER THE ENTIRE DISTURBED AREA AND ROADWAYS AND PARKING AREAS SHOULD AT LEAST HAVE A CLEAN SUB-BASE IN PLACE PRIOR TO REMOVAL OF ANY E&S BMPS. CONTACT THE ALLEGHENY COUNTY CONSERVATION DISTRICT FOR THEIR APPROVAL TO REMOVE THE PARTICULAR CONTROL MEASURES.
- WHEN CLEANING EXCESS SEDIMENT FROM THE E&S CONTROL FACILITIES, PLACE SEDIMENTS IN GRASS AREAS WHICH DO NOT RECEIVE CONCENTRATED STORM FLOWS AND ARE CONTROLLED BY BMPS (WITHIN LIMITS OF DISTURBANCE), THEN SEED OVER AREA USING SEEDING SPECIFICATIONS.
- A LOG SHOWING DATES THAT E&S BMPS WERE INSPECTED, AS WELL AS ANY DEFICIENCIES FOUND AND THE DATE THEY WERE CORRECTED SHALL BE MAINTAINED ON SITE AND BE MADE AVAILABLE TO REGULATORY AGENCY OFFICIALS AT THE TIME OF INSPECTION.
- EXCESS TOPSOIL THAT WILL NOT BE RE-SPREAD ON SITE SHALL BE DISPOSED OF AT A PA DEP APPROVED WASTE FACILITY.
- ALL DISTURBED AREAS WHICH ARE AT FINAL GRADE AND WILL NOT BE FURTHER DISTURBED SHALL BE SEEDED PER THE PERMANENT SEEDING SPECIFICATIONS.
- ALL OTHER DISTURBED AREAS THAT WILL NOT RECEIVE ADDITIONAL WORK FOR A PERIOD OF MORE THAN 4 DAYS SHALL BE SEEDED PER THE TEMPORARY SEEDING SPECIFICATIONS.

**CONSTRUCTION SEQUENCE**

- STAKE OUT LIMITS OF DISTURBANCE.
- THE NEED FOR A CONCRETE WASHOUT IS ANTICIPATED DUE TO THE SCOPE OF THE PROJECT. THE PROJECT INCLUDES THE DEMOLITION AND RE-GRADING OF THE EXISTING LOTS AT BASUMAN STREET AND GRAPE STREET, AS WELL AS A TEMPORARY TOPSOIL STOCKPILE AND COMPOST FILTER SOCKS. THE SITE WOULD IMPOSE NEW IMPERVIOUS COVERAGE.
- CLEAR AND GRUB AND INSTALL ALL COMPOST FILTER SOCKS IN THE LOCATIONS SHOWN ON THE PLAN AND IN ACCORDANCE WITH THE DETAILS PROVIDED AND CLEAR AND GRUB ONLY THE AREA NECESSARY TO INSTALL PERIMETER E&S CONTROLS.
- BEGIN ROUGH GRADING OPERATIONS FOR THE ENTIRETY OF THE PROJECT SITE. DURING GRADING OPERATIONS, ALL PROPOSED CUT AND/OR FILL SLOPES SHALL BE PLACED IN REGULAR, VERTICAL INCREMENTS. THE FILL SLOPES SHALL BE GRADED BACK DOWN FROM THE TOP OF SLOPE AT THE END OF EACH DAY SO THAT RUNOFF IS DIRECTED AWAY FROM THE CUT SLOPES. AS SLOPE AREAS ARE BROUGHT TO FINAL GRADE, INSTALL EROSION CONTROL BLANKETING ON CUT AND FILL SLOPES, AS INDICATED ON THE PLAN AND IN ACCORDANCE WITH THE CONSTRUCTION DETAIL, AS SOON AS THE PROPOSED CUT AND/OR FILL SLOPES ARE BROUGHT TO FINAL GRADE, IMMEDIATELY SEED AND MULCH IN REGULAR 15' TO 25' VERTICAL INCREMENTS TO PROMOTE EARLY STABILIZATION.
- ONCE ALL CONTROLS ARE INSTALLED AS OUTLINED ABOVE, DEMOLITION OF THE EXISTING APPURTENANCES MAY COMMENCE. ALL CONSTRUCTION DEBRIS SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF AT A DEP APPROVED WASTE SITE IN ACCORDANCE WITH ALL LOCAL AND STATE CODES AND PERMIT REQUIREMENTS.
- CONCURRENTLY WITH DEMOLITION ACTIVITIES, BEGIN CLEARING AND GRUBBING ACTIVITIES WITHIN THE LIMITS OF DISTURBANCE AS SHOWN ON PLAN.
- PRIOR TO COMMENCING ANY EARTHWORK ACTIVITIES, THE CONTRACTOR SHALL VERIFY THAT ALL SEGMENTS OF COMPOST FILTER SOCK ARE STILL FUNCTIONING PROPERLY.
- BEGIN ROUGH GRADING OPERATIONS WITHIN THE CONSTRUCTION LIMITS. STRIP TOPSOIL ACROSS THE SITE AND PLACE IN THE TOPSOIL STOCKPILE LOCATION SHOWN ON THE PLAN. DURING GRADING OPERATIONS, ENSURE POSITIVE DRAINAGE TO THE PROPOSED EROSION AND SEDIMENT CONTROL BMPS. THE FILL SLOPES SHALL BE GRADED BACK DOWN FROM THE TOP OF SLOPE AT THE END OF EACH DAY SO THAT RUNOFF IS DIRECTED AWAY FROM THE OUT SLOPES. AS STEEP SLOPE AREAS ARE BROUGHT TO FINAL GRADE, INSTALL EROSION CONTROL BLANKETING OR APPLY SLOPE STABILIZATION SPRAY EMULSION IN REGULAR 15' VERTICAL INCREMENTS, AS SOON AS THE PROPOSED FILL SLOPES ARE BROUGHT TO FINAL GRADE, IMMEDIATELY SEED AND MULCH TO PROMOTE EARLY STABILIZATION.
- IN CONJUNCTION WITH THE GRADING OPERATIONS, CONTRACTOR SHALL EXCAVATE, INSTALL, AND BACKFILL STORM PIPE AND STRUCTURES AS SHOWN ON THE PLAN AND ACCORDING TO THE TYPICAL UTILITY TRENCHING DETAIL PROVIDED. REFER TO THE UTILITY LINE INSTALLATION REQUIREMENTS BELOW.
- BACKFILL ALL UTILITY TRENCHES BY THE END OF EACH DAY. TRENCHES BELOW EXISTING OR PROPOSED PAVED SURFACES SHALL BE BACKFILLED WITH 100% CRUSHED LIMESTONE.
- COMPLETE REMAINDER OF MAJOR GRADING OPERATIONS. RE-SPREAD TOPSOIL AND SEED UNTIL VEGETATIVE COVER IS A UNIFORM COVERAGE OR DENSITY OF SEVENTY PERCENT (70%) ACROSS THE ENTIRE DISTURBED AREA.

**FINAL STABILIZATION**

- SPREAD TOPSOIL ON NON-PAVED AREAS FOR SEEDING. SEED AND MULCH ALL DISTURBED AREAS, USING THE SPECIFIED SEEDING REQUIREMENTS. ALL DISTURBED AREAS MUST BE TEMPORARILY STABILIZED IF REMAINING IDLE, OR ANTICIPATED TO REMAIN IDLE. NO MORE THAN 15,000 SQUARE FEET OF DISTURBED AREA MAY REACH FINAL GRADE BEFORE INITIATING SEEDING AND MULCHING OPERATIONS. IN THE ABSENCE OF A SOIL TEST, LIME SHOULD BE ADDED AT A RATE OF 275 LBS / 1000 S.F. LIKEWISE, THE FERTILIZER RATES SHOULD BE INCREASED TO 1250 LBS / AC. OF 8-16-16 AND 2000 LBS / AC. OF 5-10-10.
- ALL TEMPORARY EROSION CONTROL DEVICES SHALL REMAIN INTACT UNTIL FINAL STABILIZATION OF THE SITE IS ACHIEVED. FINAL STABILIZATION OF THE SITE SHALL BE ACHIEVED WHEN ALL PERMANENT CONTROL MEASURES AND FACILITIES HAVE BEEN COMPLETED AND ARE OPERATIONAL, AND UNIFORM PERENNIAL VEGETATION IS ESTABLISHED TO THE POINT WHERE THE SURFACE SOIL IS CAPABLE OF RESISTING EROSION DURING RUNOFF EVENTS, THE STANDARD FOR THIS VEGETATIVE COVER WILL BE A UNIVERSAL COVERAGE, OR DENSITY, OF SEVENTY PERCENT (70%) ACROSS THE DISTURBED AREA.
- ALL COMPOST FILTER SOCK MAY BE REMOVED WHEN A MINIMUM UNIFORM 70% VEGETATIVE COVER IS ESTABLISHED WITH A DENSITY CAPABLE OF RESISTING ACCELERATED EROSION AND SEDIMENTATION FOR AREAS TRIBUTARY TO THE COMPOST FILTER SOCK.
- REFER TO THE SECTION ENTITLED "AFTER COMPLETION OF PROJECT" FOR A DETAILED SEQUENCE FOR REMOVING SAID E&S MEASURES.

**SITE RESTORATION (AFTER COMPLETION OF PROJECT):**

- DUE TO BALANCED SITE EARTHWORK, IT IS NOT ANTICIPATED THAT ANY MATERIAL SHALL BE HAULED OFF SITE AND/OR STOCKPILED ON-SITE. ALSO, IT IS PRESUMED THAT EXISTING TOPSOIL IS MINIMAL AND WILL BE SPREAD ON PROPOSED SLOPES.
- ALL COMPOST FILTER SOCK MAY BE REMOVED WHEN A MINIMUM UNIFORM 70% PERENNIAL VEGETATIVE COVER IS ESTABLISHED, WITH A DENSITY CAPABLE OF RESISTING ACCELERATED EROSION AND SEDIMENTATION FOR AREAS TRIBUTARY TO THE SOCK.
- IF A BMP FAILS DURING A RUNOFF EVENT, THE CONTRACTOR SHALL REPLACE/FIX THE DAMAGED BMP WITHIN 24 HOURS FOLLOWING THE FAILURE OCCURRENCE.
- WHEN CLEANING EXCESS SEDIMENT FROM THE E&S CONTROL FACILITIES, PLACE SEDIMENTS IN GRASS AREAS WHICH DO NOT RECEIVE CONCENTRATED STORM FLOWS AND ARE CONTROLLED BY BMPS (WITHIN LIMITS OF DISTURBANCE), THEN SEED OVER AREA USING SEEDING SPECIFICATIONS.
- SITE SHALL BE PERMANENTLY STABILIZED IN ACCORDANCE WITH THE SITE RESTORATION PLAN. THERE IS NO PROPOSED IMPERVIOUS COVERAGE AND/OR PCSM BMPS. THE GRADED PAD JUST SOUTH OF EWING ROAD SHALL REMAIN, ALONG WITH ASSOCIATED APPURTENANCES TO SUPPORT STORMWATER FLOW.

**UTILITY LINE INSTALLATION REQUIREMENTS**

- GENERAL
  - a. EXPOSED TRENCH EXCAVATIONS HAVE HIGH POTENTIAL FOR ACCELERATED EROSION AND SEDIMENT POLLUTION. SINCE THESE EXCAVATIONS ARE USUALLY LOCATED AT LOWER ELEVATIONS ALONG OR ACROSS EARTH DISTURBANCE SITES, OPEN TRENCHES SERVE TO CONCENTRATE SEDIMENT-LADEN RUNOFF AND CONVEY IT TO SITE BOUNDARIES OR WATERWAYS. THE MOST IMPORTANT EROSION AND SEDIMENT POLLUTION CONTROL CONSIDERATION FOR TRENCH CONSTRUCTION IS THE LIMITING AND SPECIFIC SCHEDULING OF WORK ACTIVITIES.
- CONSTRUCTION REQUIREMENTS
  - a. LIMIT DAILY TRENCH EXCAVATION TO THE LENGTH OF PIPE PLACEMENT AND BACKFILLING THAT CAN BE COMPLETED THE SAME DAY. NO MORE THAN 50 LINEAR FEET OF OPEN TRENCH SHOULD EXIST WHEN PIPE/UTILITY LINE INSTALLATION CEASES AT THE END OF THE WORK DAY.
  - b. WATER THAT HAS ACCUMULATED IN THE OPEN TRENCH SHALL BE COMPLETELY REMOVED BY USING A PUMPED WATER FILTER BAG AS SHOWN IN THE CONSTRUCTION DETAIL BEFORE PIPE PLACEMENT AND/OR BACKFILLING BEGINS.
  - c. ON THE DAY FOLLOWING PIPE PLACEMENT AND TRENCH BACKFILLING, THE DISTURBED AREA WILL BE GRADED TO FINAL CONTOURS AND APPROPRIATE TEMPORARY EROSION AND SEDIMENT POLLUTION CONTROL MEASURES/FACILITIES SHALL BE INSTALLED. SEEDING AND MULCHING OF ALL DISTURBED AREAS WILL BE DONE AT THE END OF EACH WEEK.
- EXCEPTIONS
  - a. IN CERTAIN CASES, TRENCHES CANNOT BE BACKFILLED UNTIL THE PIPE IS HYDROSTATICALLY TESTED, OR ANCHORS AND OTHER PERMANENT FEATURES ARE INSTALLED. IN THESE CASES, ALL OF THE REQUIREMENTS LISTED UNDER ITEM B WILL REMAIN IN EFFECT WITH THE FOLLOWING AMENDMENTS:
    - b. DAILY BACKFILLING OF THE TRENCH MAY BE DELAYED FOR SIX DAYS. ALL PRESSURE TESTING AND THE COMPLETE BACKFILLING OF THE OPEN TRENCH MUST BE COMPLETED BY THE SEVENTH WORKING DAY.
    - c. IF DAILY BACKFILLING IS DELAYED, THE DISTURBED AREA WILL BE GRADED TO FINAL CONTOURS, APPROPRIATE TEMPORARY EROSION AND SEDIMENT CONTROL BMPS WILL BE INSTALLED, AND THE AREAS SEEDED AND MULCHED WITHIN THE NEXT TWO CALENDAR DAYS.

2	C401	CONSTRUCTION SEQUENCE
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**TEMPORARY SEEDING SPECIFICATIONS:**

<b>LIMESTONE</b>	RAW, GROUND AGRICULTURAL LIMESTONE CONTAINING MORE THAN 90 PERCENT CALCIUM CARBONATES (ADJUST PH LEVELS TO 5.5 TO 7.0). APPLY AT A RATE OF 410 LBS / 1000 S.Y., UNLESS OTHERWISE INDICATED BY SOIL TESTS.								
<b>COMMERCIAL FERTILIZER</b>	IN ABSENCE OF A SOIL TEST, USE 100 LBS / 1000 S.Y. OF 10-10-20 MIXED INTO SEED BED PRIOR TO SEEDING, OR IN A TANK WITH SEED WHEN HYDROSEEDING.								
<b>MULCH</b>	CLEAN OAT OR WHEAT STRAW SHALL BE FREE FROM NATURE SEED-BEARING STALKS OR ROOTS OF PROHIBITED OR NOXIOUS WEEDS AS DEFINED BY THE PENNSYLVANIA SEED ACT 1947. APPLY AT A RATE OF 3 TONS/AC (139 LBS/1000 SF). PRECAUTION SHALL BE TAKEN TO STABILIZE THE MULCH UNTIL THE VEGETATIVE COVER IS ESTABLISHED.								
<b>SEED MIXTURE</b>	SEED MIXTURE SHALL BEAR A GUARANTEED STATEMENT OF ANALYSIS AND SHALL BE COMPOSED OF THE FOLLOWING VARIETIES AND MIXED IN THE PROPORTIONS SPECIFIED.								
<b>SEED MIXTURE</b>	<table border="1"> <thead> <tr> <th>TEMPORARY SEED MIXTURE</th> <th>PROPORTION BY WEIGHT</th> <th>MINIMUM PURITY</th> <th>MINIMUM GERMINATION</th> </tr> </thead> <tbody> <tr> <td>ANNUAL RYEGRASS</td> <td>100%</td> <td>98%</td> <td>90%</td> </tr> </tbody> </table>	TEMPORARY SEED MIXTURE	PROPORTION BY WEIGHT	MINIMUM PURITY	MINIMUM GERMINATION	ANNUAL RYEGRASS	100%	98%	90%
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<b>SEEDING RATE</b>	THREE (3) PERCENT REDTOP MAY BE ADDED TO THE LAWN MIXTURE ON SLOPE AREAS OR FOR LATE SPRING OR LATE FALL SEEDING.								
<b>SEEDING RATE</b>	TEMPORARY SEEDING SHALL BE APPLIED AT THE RATE OF TEN (10) POUNDS PER ONE THOUSAND (1,000) SQUARE YARDS.								
<b>NOTES</b>	ALL AREAS TO BE SEEDED SHALL BE LOOSENED TO A DEPTH OF AT LEAST TWO INCHES BY MECHANICAL MEANS, OR AS APPROVED BY THE LANDSCAPE ARCHITECT.								
	MULCH SEEDED AREAS IMMEDIATELY AFTER SEEDING.								

SEED ALL DISTURBED AREAS WITH THE TEMPORARY SEED MIXTURE EXCEPT THOSE AREAS SHOWN TO BE SEEDED WITH STEEP SLOPE MIXTURE, UNLESS OTHERWISE NOTED ON THE DRAWINGS.

HYDROSEEDING WITH TACIFER MAY BE USED IN LIEU OF MULCH.

**PERMANENT SEEDING SPECIFICATIONS:**

<b>TOPSOIL</b>	4" MIN. TOPSOIL SHALL BE REQUIRED ON ALL DISTURBED AREAS AFTER SITE HAS BEEN RECLAIMED/RESTORED.																
<b>LIMESTONE</b>	RAW, GROUND AGRICULTURAL LIMESTONE CONTAINING MORE THAN 90 PERCENT CALCIUM CARBONATES (ADJUST PH LEVELS TO 6.5 TO 7.0). APPLY AT A RATE OF 2,480 LBS / 1000 S.Y., UNLESS OTHERWISE INDICATED BY SOIL TESTS.																
<b>COMMERCIAL FERTILIZER</b>	IN ABSENCE OF A SOIL TEST, USE 210 LBS / 1000 S.Y. OF 10-10-20 MIXED INTO SEED BED PRIOR TO SEEDING, OR IN A TANK WITH SEED WHEN HYDROSEEDING.																
<b>INOCULANT</b>	INOCULANT FOR TREATING LEGUMINOUS SEEDS SHALL BE A STANDARD COMMERCIAL PRODUCT CONSISTING OF A SUITABLE CARRIER CONTAINING A CULTURE OF NITROGEN FIXING BACTERIA SPECIFIC FOR SEEDS TO BE INOCULATED. INOCULANT SHALL NOT BE USED LATER THAN DATE INDICATED ON THE CONTAINER.																
<b>MULCH</b>	CLEAN OAT OR WHEAT STRAW SHALL BE FREE FROM NATURE SEED-BEARING STALKS OR ROOTS OF PROHIBITED OR NOXIOUS WEEDS AS DEFINED BY THE PENNSYLVANIA SEED ACT 1947. APPLY AT A RATE OF 3 TONS/AC (139 LBS/1000 SF). PRECAUTION SHALL BE TAKEN TO STABILIZE THE MULCH UNTIL THE VEGETATIVE COVER IS ESTABLISHED.																
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<b>SEEDING RATE</b>	PERMANENT SEEDING SHALL BE APPLIED AT A RATE OF 21 POUNDS PER 1,000 SQUARE FEET.																
<b>PREPARATION OF SEEDING</b>	HYDROSEEDING WITH TACIFER MAY BE USED IN LIEU OF MULCH.																

GRADE AS NECESSARY TO BRING SUBGRADE TO A TRUE, SMOOTH SLOPE PARALLEL TO AND SIX INCHES BELOW FINISHED GRADE. PLACE TOPSOIL OVER SPECIFIED AREAS TO A DEPTH SUFFICIENTLY GREATER THAN SIX (6) OR EIGHT (8) INCHES SO THAT AFTER SETTLEMENT AND LIGHT ROLLING, THE COMPLETE WORK WILL CONFORM TO LINES, GRADES AND ELEVATIONS SHOWN.

FERTILIZER AND AGRICULTURAL LIMESTONE SHALL BE THOROUGHLY INCORPORATED INTO THE SOIL BY ROTOTILLING OR OTHER METHOD TO A MINIMUM DEPTH OF FOUR (4) INCHES. THE ENTIRE SURFACE SHALL THEN BE REGRADED AND ROLLED. AREAS TO BE SEEDED SHALL THEN BE LOOSENED TO A DEPTH OF TWO (2) INCHES. SEEDING SHALL BE DONE IN TWO SEPARATE OPERATIONS. THE SECOND SEEDING SHALL BE DONE IMMEDIATELY AFTER THE FIRST AND AT RIGHT ANGLES TO THE FIRST SEEDING AND LIGHTLY RAKED INTO THE SOIL. MULCH SEEDED AREAS IMMEDIATELY AFTER SEEDING.

TABLE 11.1  
CUBIC YARDS OF TOPSOIL REQUIRED FOR APPLICATION TO VARIOUS DEPTHS

DEPTH (IN)	PER 1,000 SQUARE FEET	PER ACRE
1	3.1	134
2	6.2	268
3	9.3	403
4	12.4	537
5	15.5	672
6	18.6	806
7	21.7	940
8	24.8	1,074

TABLE 11.2  
SOIL AMENDMENT APPLICATION RATE EQUIVALENTS

SOIL AMENDMENT	PERMANENT SEEDING APPLICATION RATE			NOTES
	PER ACRE	PER 1,000 SQ. FT.	PER 1,000 SQ. YD.	
AGRICULTURAL LIME	6 TONS	240 LB.	2,480 LB.	OR AS PER SOIL TEST, MAY NOT BE REQUIRED IN AGRICULTURAL FIELDS
10-20-20 FERTILIZER	1,000 LB.	25 LB.	210 LB.	OR AS PER SOIL TEST, MAY NOT BE REQUIRED IN AGRICULTURAL FIELDS
AGRICULTURAL LIME	1 TON	40 LB.	410 LB.	TYPICALLY NOT REQUIRED FOR TOPSOIL STOCKPILES
10-10-10 FERTILIZER	500 LB.	12.5 LB.	100 LB.	TYPICALLY NOT REQUIRED FOR TOPSOIL STOCKPILES

NOTE: A COMPOST BLANKET WHICH MEETS THE REQUIRED STANDARDS MAY BE SUBSTITUTED FOR THE SOIL AMENDMENTS SHOWN IN TABLE 11.2.

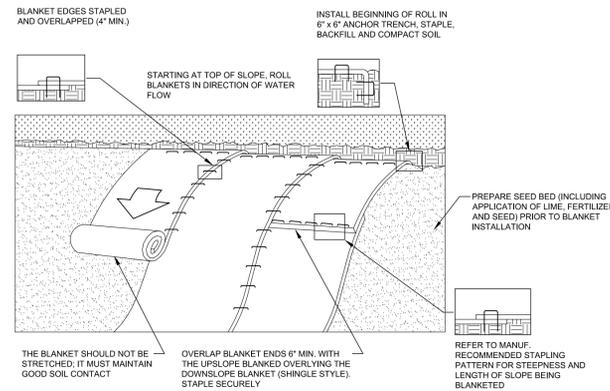
3	C401	SEEDING SPECIFICATIONS
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**RECYCLING/DISPOSAL OF WASTE**

UPON COMPLETION OF THE PROJECT, RECYCLING OR DISPOSAL OF ALL WASTE MATERIALS SHALL BE THE RESPONSIBILITY OF THE EARTHMOVING CONTRACTOR. CONSTRUCTION WASTE INCLUDES, BUT IS NOT LIMITED TO, EXCESS SOIL MATERIALS, SILT REMOVED FROM EROSION CONTROL FACILITIES, EXCESS BUILDING MATERIALS, CONCRETE WASH WATER, SANITARY WASTES, AND OBSOLETE EROSION CONTROL MATERIALS (SILT FENCE, SILT SACKS, ETC.).

SILT REMOVED FROM SEDIMENT CONTROL FACILITIES SHALL BE SPREAD ON THE TOPSOIL STOCKPILE, OR IN LAWN OR LANDSCAPE AREAS. OBSOLETE EROSION CONTROL MATERIALS AND EXCESS BUILDING MATERIALS MUST BE DISPOSED OF AT A DEP APPROVED SITE.

4	C401	RECYCLING / DISPOSAL OF WASTES
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**NOTES:**

SEED AND SOIL AMENDMENTS SHALL BE APPLIED ACCORDING TO THE RATES IN THE PLAN DRAWINGS PRIOR TO INSTALLING THE BLANKET.

PROVIDE ANCHOR TRENCH AT TOE OF SLOPE IN SIMILAR FASHION AS AT TOP OF SLOPE.

SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS, AND GRASS.

BLANKET SHALL HAVE GOOD CONTINUOUS CONTACT WITH UNDERLYING SOIL THROUGHOUT ENTIRE LENGTH. LAY BLANKET LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH SOIL. DO NOT STRETCH BLANKET.

THE BLANKET SHALL BE STAPLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

BLANKETED AREAS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT UNTIL PERENNIAL VEGETATION IS ESTABLISHED TO A MINIMUM UNIFORM 70% COVERAGE THROUGHOUT THE BLANKETED AREA. DAMAGED OR DISPLACED BLANKETS SHALL BE RESTORED OR REPLACED WITHIN 4 CALENDAR DAYS.

5	C401	EROSION CONTROL BLANKET
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**INSPECTION AND MAINTENANCE SCHEDULE**

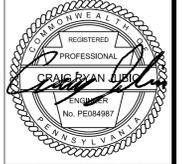
CONTROL MEASURE	INSPECT	PROBLEMS TO LOOK FOR	POSSIBLE REMEDIES
VEGETATION	WEEKLY AND AFTER EVERY RUNOFF EVENT	SEDIMENT AT TOE OF SLOPE  RILLS AND GULLIES FORMING  BARE SOIL PATCHES	CHECK FOR TOP-OF-SLOPE DIVERSION AND INSTALL IF NEEDED.  FILL RILLS AND REGRADE GULLIED SLOPES. RESEED, FERTILIZE, AND MULCH BARE AREAS.
COMPOST FILTER SOCK	WEEKLY AND AFTER EVERY RUNOFF EVENT	SEDIMENT ACCUMULATION ON UPSTREAM SIDE  PONDING WATER	REMOVE SEDIMENT WHEN LEVEL REACHES HALF OF THE EFFECTIVE HEIGHT  REMOVE SEDIMENT OR ADD ADDITIONAL SILT/SOXX TO REDUCE SLOPE LENGTH
COMPOST SOCK CONCRETE WASHOUT AREA	DAILY	DAMAGED OR LEAKING WASHOUTS  MATERIAL ACCUMULATION	REPAIR OR REPLACE IMMEDIATELY  REMOVE MATERIAL WHEN 50% CAPACITY IS REACHED

- ALL MAINTENANCE INSPECTIONS SHALL BE LOGGED ONTO DEP FORM # 3800-FM-BCW0271D, DATED 05/20/18, AND KEPT ON THE SITE AT ALL TIMES.
- ALL REPAIRS TO BE COMPLETED WITHIN 24 HOURS OF DISCOVERY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL TEMPORARY CONTROL MEASURES DURING CONSTRUCTION.
- ALL DEVICES SHOULD BE INSPECTED WEEKLY AND AFTER EVERY RUNOFF EVENT. IF, DURING THESE INSPECTIONS, ANY DEVICE IS FOUND TO BE CLOGGED, DAMAGED, HALF-FULL OF SILT OR NOT FULLY OPERATIONAL, THE DEVICE(S) SHALL BE CLEANED OF ALL DEBRIS.
- UPON COMPLETION OF THE PROJECT, RECYCLING OR DISPOSAL OF ALL TEMPORARY EROSION CONTROL MATERIALS SHALL BE THE RESPONSIBILITY OF THE EARTHMOVING CONTRACTOR.
- CONSTRUCTION WASTE INCLUDES, BUT IS NOT LIMITED TO, EXCESS SOIL MATERIALS, SILT REMOVED FROM EROSION CONTROL FACILITIES, EXCESS BUILDING MATERIALS, CONCRETE WASH WATER, SANITARY WASTES, AND OBSOLETE EROSION CONTROL MATERIALS (SILT FENCE, SILT SACKS, ETC.). OBSOLETE EROSION CONTROL MATERIALS AND EXCESS BUILDING MATERIALS MUST BE DISPOSED OF AT A DEP APPROVED SITE.
- SILT REMOVED FROM SEDIMENT CONTROL FACILITIES SHALL BE SPREAD ON THE TOPSOIL STOCKPILE, OR IN LAWN OR LANDSCAPE AREAS.

6	C401	MAINTENANCE SCHEDULE
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**CLEAN FILL AND ENVIRONMENTAL DUE DILIGENCE:**

**ENVIRONMENTAL DUE DILIGENCE** MEANS PERFORMING INVESTIGATIVE TECHNIQUES FOR THE IMPORTED MATERIAL. THIS INCLUDES, BUT IS NOT LIMITED TO: VISUAL PROPERTY INSPECTIONS, ELECTRONIC DATA BASE SEARCHES, REVIEW OF PROPERTY OWNERSHIP, REVIEW OF PROPERTY USE HISTORY, SANBORN MAPS, ENVIRONMENTAL QUESTIONNAIRES, TRANSACTION SCREENS, ANALYTICAL



REVISION RECORD	
No.	Date
01	2025-05-16
02	2025-08-05
03	2025-11-06
04	
05	
06	
07	
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ISSUED DESIGN DEVELOPMENT PLANS	
No.	Date
01	2025-05-16
02	2025-08-05
03	2025-11-06
04	
05	
06	
07	
08	

**CREATIVE ANALYTIC PLAY SPACE AT BRASHEAR**  
130 BAUSMAN STREET  
PITTSBURGH, PA 15210  
PREPARED FOR:  
**THE BRASHEAR ASSOCIATION**  
320 BROWNSVILLE ROAD  
PITTSBURGH, PA 15210

**EROSION AND SEDIMENT CONTROL DETAILS**  
Project Number: C-46921-0001  
Drawing Scale: N.T.S.  
Date Issued: MARCH 2025.  
Index Number: --  
Drawn By: APK  
Checked By: --  
Project Manager: CRJ

**TABLE 4.1**  
**COMPOST SOCK FABRIC MINIMUM SPECIFICATIONS**

MATERIAL TYPE	3 mil HDPE	5 mil HDPE	5 mil HDPE	MULTI-FILAMENT POLYPROPYLENE (MFPP)	HEAVY DUTY MULTI-FILAMENT POLYPROPYLENE (HDMFPP)
MATERIAL CHARACTERISTICS	PHOTO-DEGRADABLE	PHOTO-DEGRADABLE	BIO-DEGRADABLE	PHOTO-DEGRADABLE	PHOTO-DEGRADABLE
SOCK DIAMETERS	12" 18"	12" 18" 24" 32"	12" 18" 24" 32"	12" 18" 24" 32"	12" 18" 24" 32"
MESH OPENING	3/8"	3/8"	3/8"	3/8"	3/8"
TENSILE STRENGTH		26 PSI	26 PSI	44 PSI	202 PSI
ULTRAVIOLET STABILITY % ORIG. STRENGTH (ASTM G-155)	23% AT 1000 HR.	23% AT 1000 HR.		100% AT 1000 HR.	100% AT 1000 HR.
MINIMAL FUNCTIONAL LONGEVITY	6 MONTHS	9 MONTHS	6 MONTHS	1 YEAR	2 YEARS

**TWO-PLY SYSTEMS**

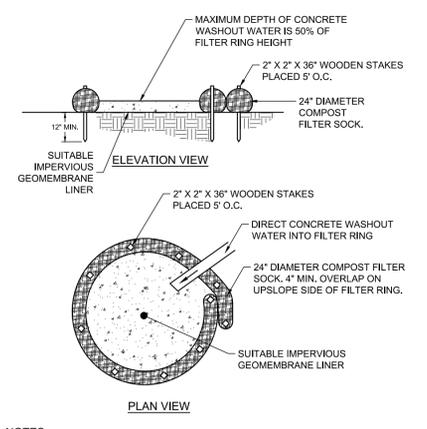
INNER CONTAINMENT NETTING	HDPE BIAXIAL NET CONTINUOUSLY WOUND FUSION-WELDED JUNCTURES 3/4" x 3/4" MAX. APERTURE SIZE
OUTER FILTRATION MESH	COMPOSITE POLYPROPYLENE FABRIC (WOVEN LAYER AND NON-WOVEN FLEECE MECHANICALLY FUSED VIA NEEDLE PUNCH) 3/16" MAX. APERTURE SIZE

SOCK FABRICS COMPOSED OF BURLAP MAY BE USED ON PROJECTS LASTING 6 MONTHS OR LESS.

**TABLE 4.2**  
**COMPOST STANDARDS**

ORGANIC MATTER CONTENT	25% - 100% (DRY WEIGHT BASIS)
ORGANIC PORTION	FIBROUS AND ELONGATED
pH	5.5 - 8.5
MOISTURE CONTENT	30% - 60%
PARTICLE SIZE	30% - 50% PASS THRU 3/8" SIEVE
SOLUBLE SALT CONCENTRATION	5.0 dS/m (mmhos/cm) MAXIMUM

Sock No.	Dia. In.	Location	Slope Percent	Slope Length Above Barrier (FT)
1	18	See Sheet C400	14.9	114
2	18	See Sheet C400	14.7	116
3	12	See Sheet C400	20.7	58
4	12	See Sheet C400	13.5	74
5	12	See Sheet C400	9.4	64
6	12	See Sheet C400	13.3	30
7	12	See Sheet C400	9.7	62
8	12	See Sheet C400	8.0	50
9	12	See Sheet C400	7.7	26
10	12	See Sheet C400	20.0	10
11	12	See Sheet C400	15.0	20
12	12	See Sheet C400	12.5	40
13	12	See Sheet C400	12.0	50
14	12	See Sheet C400	12.5	64
15	12	See Sheet C400	11.9	84
16	12	See Sheet C400	11.2	98



- NOTES:**
- INSTALL ON FLAT GRADE FOR OPTIMAL PERFORMANCE.
  - 18" DIAMETER FILTER SOCK MAY BE STACKED ONTO DOUBLE 24" DIAMETER SOCKS IN PYRAMIDAL CONFIGURATION FOR ADDED HEIGHT.
  - A SUITABLE IMPERVIOUS GEOMEMBRANE LINER SHALL BE PLACED AT THE LOCATION PRIOR TO THE INSTALLING THE SOCKS.

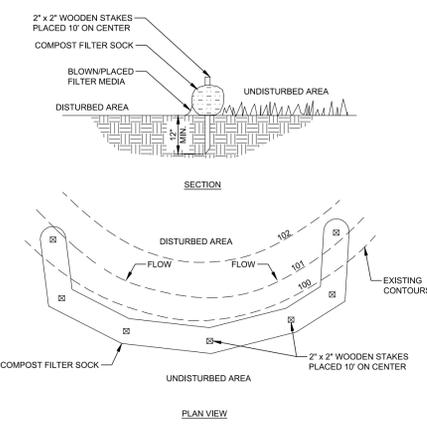
<b>2</b>	<b>C402</b>	<b>CONCRETE WASHOUT AREA</b>
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**SITE SOIL TYPES:**

SOIL TYPE	SLOPE	LIMITATIONS	REMEDIAL ACTIONS
UGD (URBAN LAND-GUERNEY COMPLEX)	MODERATE TO STEEP	<ul style="list-style-type: none"> <li>CUTBANKS MAY CAVE</li> <li>CORROSIVE TO CONCRETE OR STEEL</li> <li>EASILY ERODIBLE</li> <li>SEASONAL HIGH WATER TABLE</li> <li>HYDRIC INCLUSIONS</li> <li>LANDSLIDE PRONE</li> <li>POOR PERCOLATION</li> <li>POOR SOURCE OF TOPSOIL</li> <li>FROST ACTION</li> <li>POTENTIAL SINKHOLE</li> <li>WETNESS</li> </ul>	<p><b>SOILS SUSCEPTIBLE TO CUTBANKS CAVE:</b></p> <ul style="list-style-type: none"> <li>PREVENT SATURATION OF SLOPES.</li> <li>PROVIDE ANCHORING OR RETAINING SYSTEMS.</li> <li>PROVIDE BENCHING TO CATCH FALLING DEBRIS.</li> <li>PROVIDE TRENCH BOXES FOR UTILITY INSTALLATION.</li> <li>PROVIDE PUMPED WATER SEDIMENT REMOVAL FACILITIES.</li> <li>USE CLAY EMBANKMENT CORES.</li> <li>UTILIZE ANTI-SEEP COLLARS OR GRAVEL PACKS.</li> <li>KEEP EXCAVATIONS AS SHALLOW AS PRACTICAL.</li> <li>CONSTRUCT DURING DRY WEATHER.</li> </ul> <p><b>SOILS SUSCEPTIBLE TO MODERATE OR HIGH EROSION POTENTIAL:</b></p> <ul style="list-style-type: none"> <li>LIMIT TIME OF EXPOSURE.</li> <li>USE EROSION CONTROL BLANKETS AND INSTALL BMPs PRIOR TO DISTURBANCE.</li> <li>SELECTION OF SEED MIXTURES WITH RAPIDLY GERMINATING SPECIES.</li> <li>SODDING.</li> <li>USE OF SPECIAL STABILIZATION PRODUCTS (E.G. CELLULAR GRIDS, INTERLOCKING CONCRETE BLOCKS...)</li> </ul> <p><b>SOILS SUSCEPTIBLE TO SLIPS &amp; LANDSLIDES:</b></p> <ul style="list-style-type: none"> <li>PREVENT SATURATION OF SLOPES.</li> <li>PROVIDE ANCHORING OR RETAINING SYSTEMS.</li> <li>PROVIDE BENCHING TO CATCH FALLING DEBRIS.</li> <li>SEE GEOTECHNICAL NOTE BELOW.</li> </ul> <p><b>SOILS THAT ARE POOR SOURCES OF TOPSOIL:</b></p> <ul style="list-style-type: none"> <li>IMPORT TOPSOIL AS NEEDED.</li> <li>PERFORM SOIL TESTS TO DETERMINE PROPER APPLICATION OF SOIL AMENDMENTS AND PROPER MOISTURE CONTENT FOR PROPOSED VEGETATIVE COVER.</li> </ul>

A GEOTECHNICAL ENGINEER WILL REVIEW THE SOIL CAPABILITY OF THE SITE AND MAKE RECOMMENDATIONS TO THE OWNER. SOILS HAVING UNSTABLE COMPOSITION, SLIP AND LANDSLIDE POTENTIAL ARE NOT TO BE PLACED AS FILL MATERIAL AT AREAS HAVING 2:1 SLOPES OR NEAR PROXIMITY TO SUCH SLOPES. LOADING PLANES OF SUCH PLACED FILLS SHALL BEAR ON SUITABLE SOILS KEYED INTO VIRGIN SOILS. REFER TO CUT/FILL DETAILS ON PLANS. ALL CUT SITUATIONS THAT EXPOSE SUCH SOILS TO UNSUPPORTED BEARING BASE REQUIRES THOSE SOILS TO BE EXCAVATED AND REPLACED WITH SUITABLE SOILS THAT DO NOT HAVE THE MENTIONED CHARACTERISTICS.

<b>3</b>	<b>C402</b>	<b>SITE SOIL LIMITATIONS</b>
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**NOTES:**

SOCK FABRIC SHALL MEET STANDARDS OF TABLE 4.1 OF THE PA DEP EROSION CONTROL MANUAL. COMPOST SHALL MEET THE STANDARDS OF TABLE 4.2 OF THE PA DEP EROSION CONTROL MANUAL.

COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE BARRIER SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN BARRIER ALIGNMENT. MAXIMUM SLOPE LENGTH ABOVE ANY BARRIER SHALL NOT EXCEED THAT SPECIFIED FOR THE SIZE OF THE SOCK AND THE SLOPE OF ITS TRIBUTARY AREA.

TRAFFIC SHALL NOT BE PERMITTED TO CROSS COMPOST FILTER SOCKS.

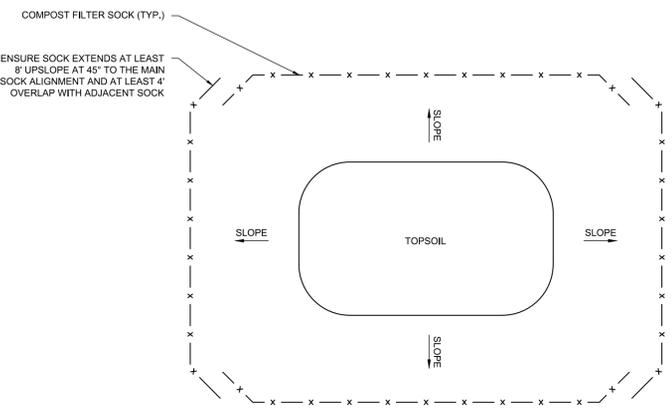
ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/2 THE ABOVE GROUND HEIGHT OF THE BARRIER AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN.

COMPOST FILTER SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.

BIODEGRADABLE COMPOST FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS. PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

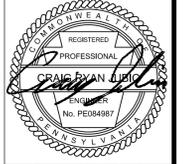
UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCK STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.

<b>1</b>	<b>C402</b>	<b>COMPOST FILTER SOCK</b>
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- NOTES:**
- TOPSOIL STOCKPILE LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR DURING CONSTRUCTION PER SITE PHASING. ADDITIONAL COORDINATION WITH THE ALLEGHENY COUNTY CONSERVATION DISTRICT MAY BE REQUIRED FOR APPROVAL OF STOCKPILE LOCATIONS.
  - THE AREA DOWNSLOPE FROM THE COMPOST FILTER SOCK MAY NOT BE UNDER DEVELOPMENT OR OTHERWISE DISTURBED, UNLESS DOWNSLOPE PERIMETER BMPs ARE PROVIDED.
  - ENSURE DOWNSLOPE COVERAGE ON ALL SIDES OF TOPSOIL STOCKPILE.
  - COMPOST FILTER SOCK SIZE SHALL BE PROVIDED IN ACCORDANCE WITH FIGURE 4.2.

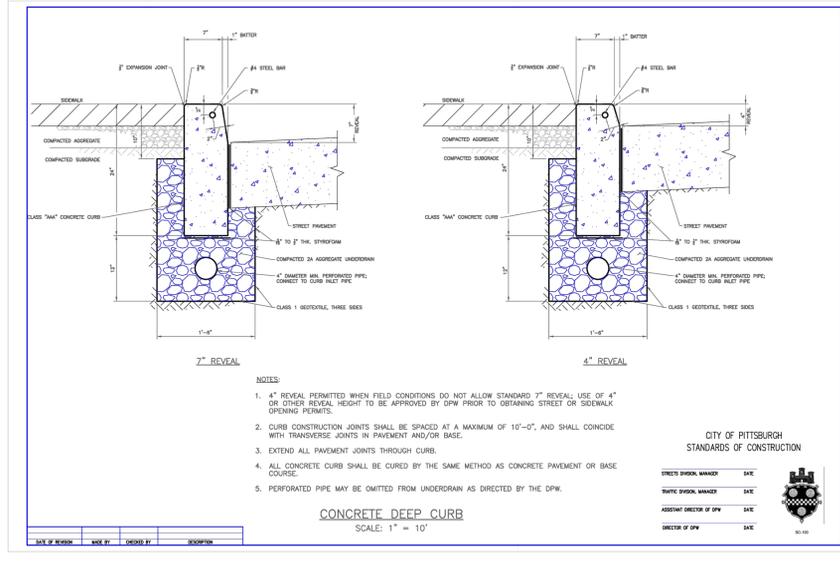
<b>4</b>	<b>C402</b>	<b>TOPSOIL STOCKPILE</b>
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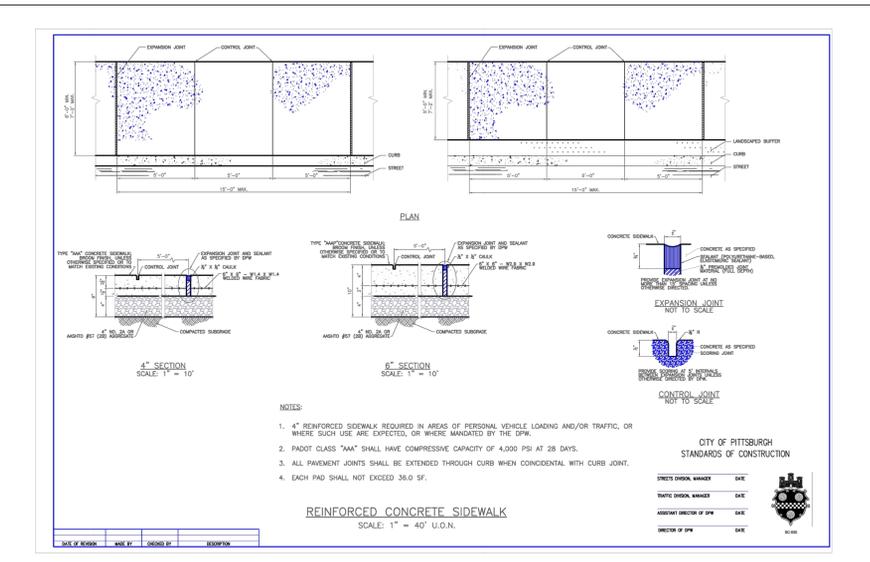
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No.	DESCRIPTION
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02	ADDRESSED DOMI ENCROACHMENT PERMIT COMMENTS
03	ADDRESSED DOMI ENCROACHMENT PERMIT COMMENTS
04	
05	
06	
07	
08	

**CREATIVE ANALYTIC PLAY SPACE AT BRASHEAR**  
130 BAUSMAN STREET  
PITTSBURGH, PA 15210  
PREPARED FOR:  
**THE BRASHEAR ASSOCIATION**  
320 BROWNSVILLE ROAD  
PITTSBURGH, PA 15210

CONSTRUCTION DETAILS  
Project Number: C-46921-0001  
Drawing Scale: N.T.S.  
Date Issued: MARCH 2025.  
Index Number: -  
Drawn By: APK  
Checked By: -  
Project Manager: CRJ  
**C600**

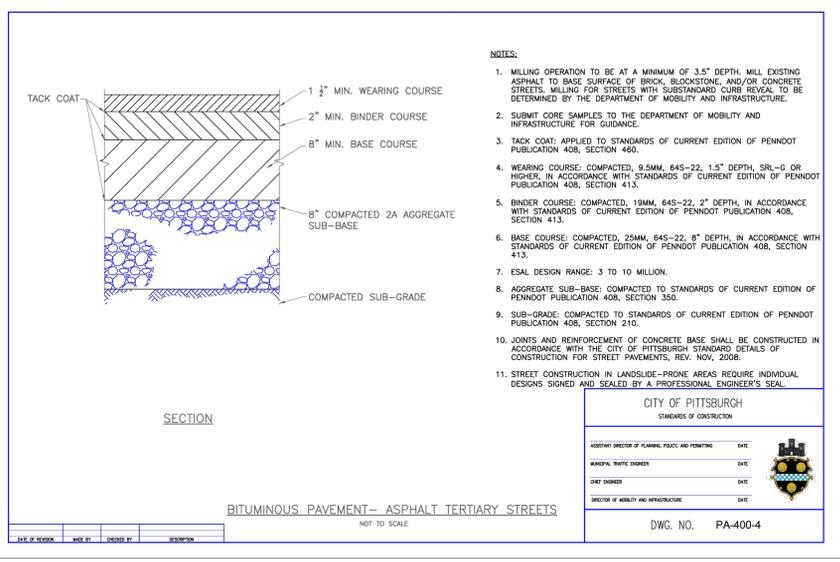


**1**  
**C600** CONCRETE DEEP CURB (CITY OF PITTSBURGH ROW)

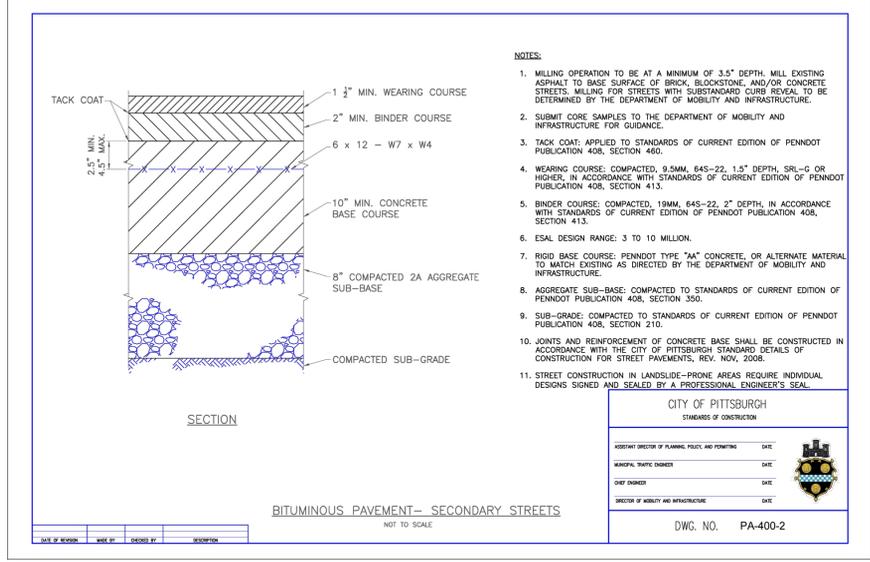


**2**  
**C600** REINFORCED CONCRETE SIDEWALK (CITY OF PITTSBURGH ROW)

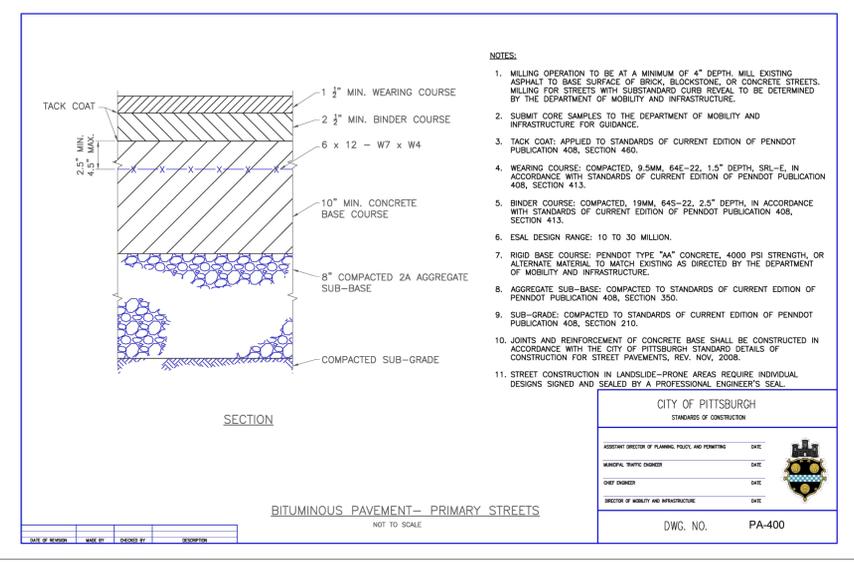
**3**  
**C600** DETAIL NOT USED



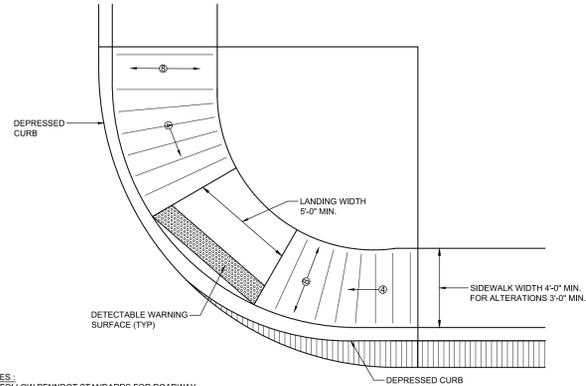
**4**  
**C600** BITUMINOUS PAVEMENT (TERTIARY) (CITY OF PITTSBURGH ROW)



**5**  
**C600** BITUMINOUS PAVEMENT (SECONDARY) (CITY OF PITTSBURGH ROW)

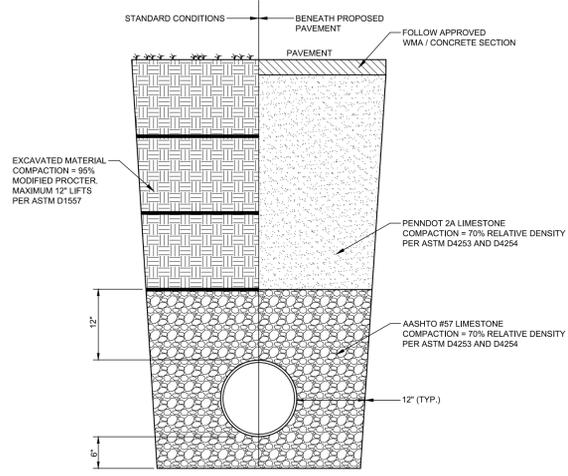


**6**  
**C600** BITUMINOUS PAVEMENT (PRIMARY) (CITY OF PITTSBURGH ROW)



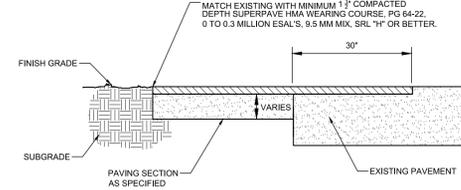
- NOTES:**
- FOLLOW PENNDOT STANDARDS FOR ROADWAY CONSTRUCTION (RC-67M).
  - PROVIDE MATERIALS AND CONSTRUCTION METHODS THAT MEET THE REQUIREMENTS OF PENNDOT PUBLICATION 408 (MOST CURRENT EDITION), SECTIONS 350, 409, 630, 694 AND 695.
- ① SIDE FLARES 10:1 MAX SLOPE  
 ② 12" MAX RAMP SLOPE  
 ③ SLOPE: 0% (+/- 2%)

1	PENNDOT TYPE 2 CURB RAMP
C601	PAGE 2 OF 14

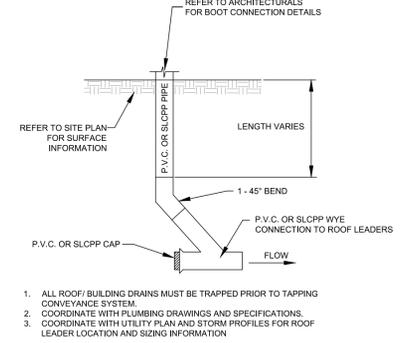


- NOTE:**
- FOLLOW PIPE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS FOR TRENCH WIDTH IF GREATER THAN DETAIL.

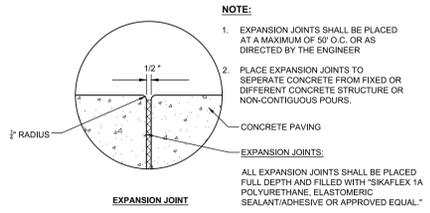
2	UNDERGROUND PIPE OR CONDUIT BACKFILL
C601	PAGE 2 OF 14



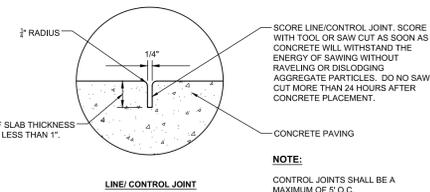
3	PAVEMENT PATCH
C601	PAGE 2 OF 14



4	CLEANOUT
C601	PAGE 2 OF 14

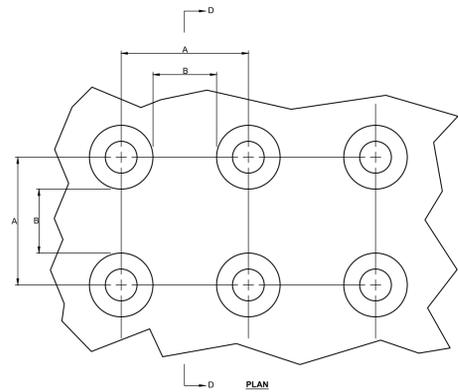


- NOTE:**
- EXPANSION JOINTS SHALL BE PLACED AT A MAXIMUM OF 50' O.C. OR AS DIRECTED BY THE ENGINEER.
  - PLACE EXPANSION JOINTS TO SEPARATE CONCRETE FROM FIXED OR DIFFERENT CONCRETE STRUCTURE OR NON-CONTIGUOUS POURS.
- ALL EXPANSION JOINTS SHALL BE PLACED FULL DEPTH AND FILLED WITH "SIKAFLEX 1A" POLYURETHANE ELASTOMERIC SEALANT/ADHESIVE OR APPROVED EQUAL.



- NOTE:**
- CONTROL JOINTS SHALL BE A MAXIMUM OF 5' O.C.

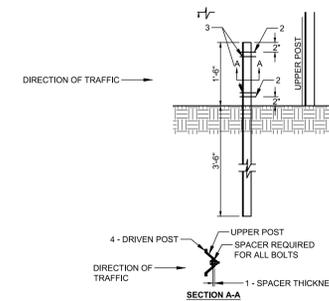
5	CONCRETE EXPANSION/SCORE LINE/ CONTROL
C601	PAGE 2 OF 14



TRUNCATED DOME DIMENSIONS		
DIM	MIN.	MAX.
A	1.5"	2.4"
B	0.65"	1.5"
C	⑬	⑬
D	0.9"	1.4"

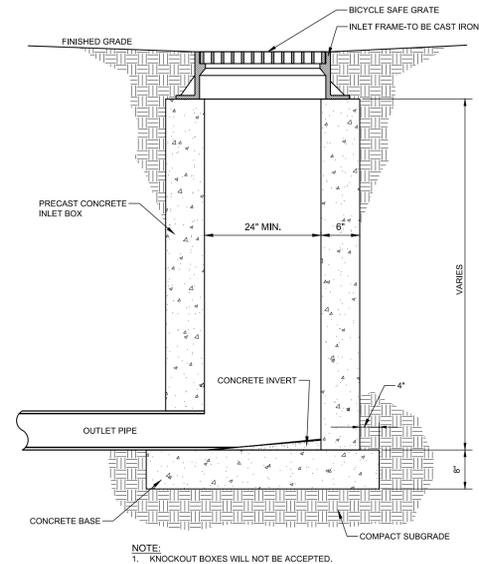
- NOTES:**
- FOLLOW PENNDOT STANDARDS FOR ROADWAY CONSTRUCTION (RC-67M).
  - PROVIDE MATERIALS AND CONSTRUCTION METHODS THAT MEET THE REQUIREMENTS OF PENNDOT PUBLICATION 408 (MOST CURRENT EDITION), SECTIONS 350, 409, 630, 694 AND 695.

6	DETECTABLE WARNING SURFACE (DWS) TRUNCATED DOME DETAILS
C601	PAGE 2 OF 14



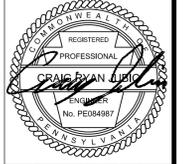
- GENERAL NOTES:**
- THE SPACER THICKNESS SHALL BE NO LESS THAN THE GAP BETWEEN THE POSTS WHEN POSITIONED IN THE UNBOLTED CONFIGURATION.
  - THE EXTERIOR BOLT, SPACER, WASHER AND NUT SHALL BE INSTALLED IN A PRE-PUNCHED HOLE WITHIN THE FIRST 2" OF THE END OF THE LAPPED POST SECTION.
  - THE INTERIOR BOLT, SPACER, WASHER AND NUT SHALL BE INSTALLED IN A PRE-PUNCHED HOLE WITHIN THE FIRST 2" OF THE EXTERIOR BOLTS. THE MAXIMUM SPACING BETWEEN THE INTERIOR BOLTS SHALL BE 1'-0". IF THE LENGTH OF THE POST LAP IS INCREASED SUCH THAT THIS 1'-0" MAXIMUM IS EXCEEDED, THE ADDITIONAL INTERIOR BOLTS SHALL BE INSTALLED SUCH THAT THE MAXIMUM SPACE BETWEEN A PAIR OF INTERIOR BOLTS DOES NOT EXCEED THE 1'-0" LIMIT.
  - THE DRIVEN POST SHALL ALWAYS BE MOUNTED IN FRONT OF THE UPPER POST WITH RESPECT TO ADJACENT ONCOMING TRAFFIC, REGARDLESS OF THE DIRECTION THE SIGN IS FACING.
  - THE BOLTS SHOWN SHALL BE 1" X 2" GALVANIZED BOLTS IN ACCORDANCE WITH ASTM A 449, OR SAE J429, GT 9, OR GALVANIZED BOLTS IN ACCORDANCE WITH ASTM A 325.

7	U CHANNEL POST
C601	PAGE 2 OF 14



- NOTE:**
- KNOCKOUT BOXES WILL NOT BE ACCEPTED.

8	2' x 2' YARD DRAIN
C601	PAGE 2 OF 14



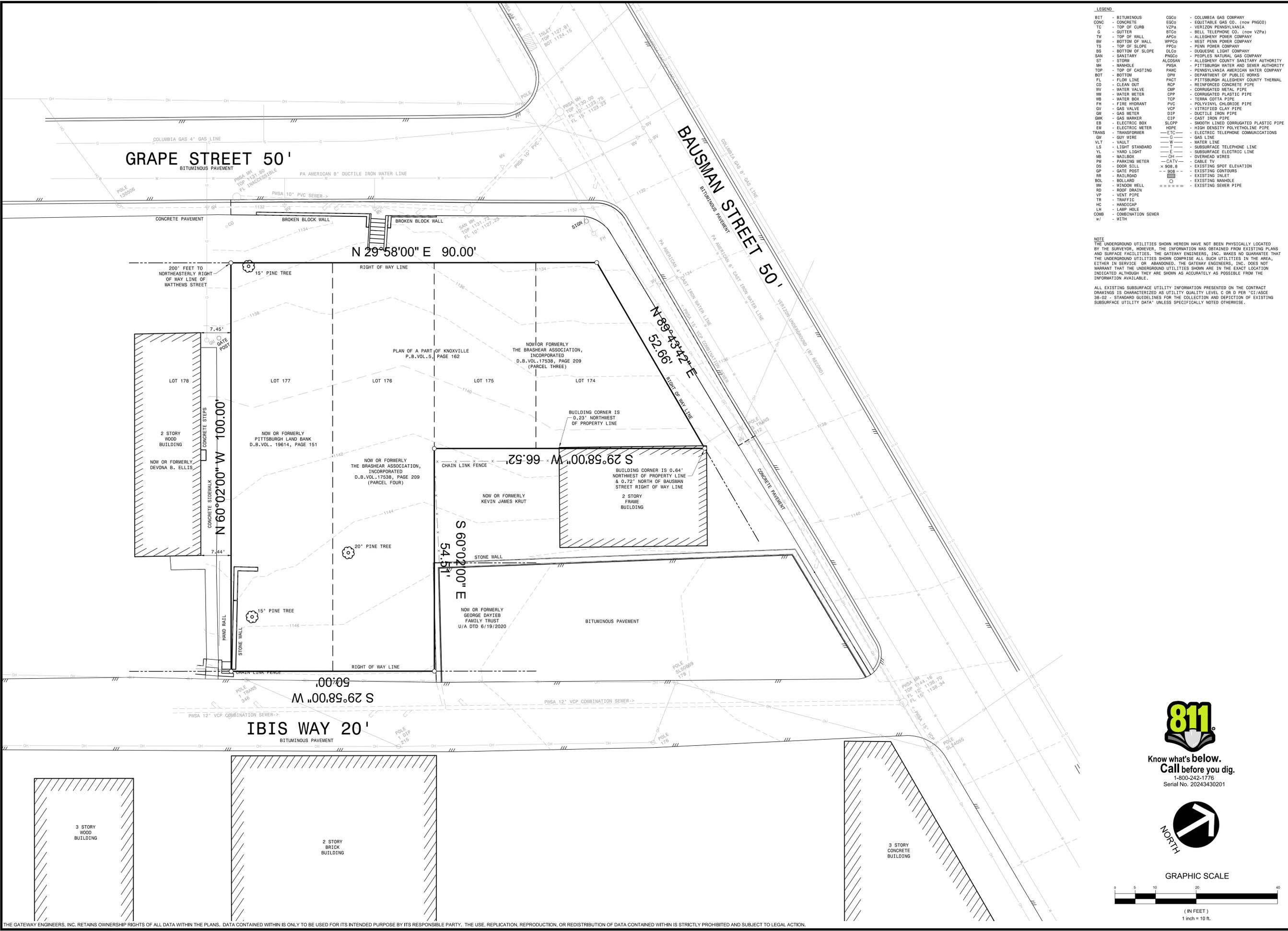
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03	2025-11-06
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**CREATIVE ANALYTIC PLAY SPACE AT BRASHEAR**  
 130 BAUSMAN STREET  
 PITTSBURGH, PA 15210  
 PREPARED FOR:  
**THE BRASHEAR ASSOCIATION**  
 320 BROWNSVILLE ROAD  
 PITTSBURGH, PA 15210

**CONSTRUCTION DETAILS**

Project Number: C-46921-0001  
 Drawing Scale: N.T.S.  
 Date Issued: MARCH 2025.  
 Index Number: -  
 Drawn By: APK  
 Checked By: -  
 Project Manager: CRJ

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 Plot Date: 3/11/2025 11:40 AM  
 User: CRJ  
 Save Date: 3/11/2025 11:28 AM



**LEGEND**

BIT - BITUMINOUS	CGCO - COLUMBIA GAS COMPANY	ALCOSAN - ALLEGHENY COUNTY SANITARY AUTHORITY
CONC - CONCRETE	EGCO - EQUITABLE GAS CO. (now PNGCO)	PWSA - PITTSBURGH WATER AND SEWER AUTHORITY
TC - TOP OF CURB	VZPA - VERIZON PENNSYLVANIA	PAWC - PENNSYLVANIA AMERICAN WATER COMPANY
G - GUTTER	BTCO - BELL TELEPHONE CO. (now VZPA)	DPW - DEPARTMENT OF PUBLIC WORKS
TW - TOP OF WALL	APCO - ALLEGHENY POWER COMPANY	PACT - PITTSBURGH ALLEGHENY COUNTY THERMAL
BW - BOTTOM OF WALL	WPCCO - WEST PENN POWER COMPANY	PCPCO - PENN POWER COMPANY
TS - TOP OF SLOPE	PPCO - PENN POWER COMPANY	PLCO - PEOPLES NATURAL GAS COMPANY
BS - BOTTOM OF SLOPE	DLCO - DUQUESNE LIGHT COMPANY	ALCO - ALLEGHENY COUNTY SANITARY AUTHORITY
SAN - SANITARY	PNCCO - PEOPLES NATURAL GAS COMPANY	PWSA - PITTSBURGH WATER AND SEWER AUTHORITY
ST - STORM	ALCOSAN - ALLEGHENY COUNTY SANITARY AUTHORITY	PAWC - PENNSYLVANIA AMERICAN WATER COMPANY
MH - MANHOLE	PWSA - PITTSBURGH WATER AND SEWER AUTHORITY	DPW - DEPARTMENT OF PUBLIC WORKS
TOP - TOP OF CASTING	PAWC - PENNSYLVANIA AMERICAN WATER COMPANY	PACT - PITTSBURGH ALLEGHENY COUNTY THERMAL
BOT - BOTTOM	DPW - DEPARTMENT OF PUBLIC WORKS	RCP - REINFORCED CONCRETE PIPE
FL - FLOW LINE	PACT - PITTSBURGH ALLEGHENY COUNTY THERMAL	CMP - CORRUGATED METAL PIPE
CO - CLEAN OUT	RCP - REINFORCED CONCRETE PIPE	CPP - CORRUGATED PLASTIC PIPE
WV - WATER VALVE	CMP - CORRUGATED METAL PIPE	TCP - TERRA COTTA PIPE
WM - WATER METER	CPP - CORRUGATED PLASTIC PIPE	PVC - POLYVINYL CHLORIDE PIPE
WB - WATER BOX	TCP - TERRA COTTA PIPE	VCP - VITRIFIED CLAY PIPE
FH - FIRE HYDRANT	PVC - POLYVINYL CHLORIDE PIPE	DIP - DUCTILE IRON PIPE
GV - GAS VALVE	VCP - VITRIFIED CLAY PIPE	CIP - CAST IRON PIPE
GM - GAS METER	DIP - DUCTILE IRON PIPE	SLCPCP - SMOOTH LINED CORRUGATED PLASTIC PIPE
GMK - GAS MARKER	CIP - CAST IRON PIPE	HDPPE - HIGH DENSITY POLYETHYLENE PIPE
EB - ELECTRIC BOX	SLCPCP - SMOOTH LINED CORRUGATED PLASTIC PIPE	ETC - ELECTRIC TELEPHONE COMMUNICATIONS
EM - ELECTRIC METER	HDPPE - HIGH DENSITY POLYETHYLENE PIPE	G - GAS LINE
TRANS - TRANSFORMER	ETC - ELECTRIC TELEPHONE COMMUNICATIONS	W - WATER LINE
GW - GUY WIRE	G - GAS LINE	T - SUBSURFACE TELEPHONE LINE
VLT - VAULT	W - WATER LINE	E - SUBSURFACE ELECTRIC LINE
LS - LIGHT STANDARD	T - SUBSURFACE TELEPHONE LINE	OH - OVERHEAD WIRES
YL - YARD LIGHT	E - SUBSURFACE ELECTRIC LINE	CATV - CABLE TV
MB - MAILBOX	OH - OVERHEAD WIRES	X BOB - EXISTING SPOT ELEVATION
PM - PARKING METER	CATV - CABLE TV	- - BOB - EXISTING CONTOURS
DS - DOOR SILL	X BOB - EXISTING SPOT ELEVATION	- - - - - EXISTING INLET
GP - GATE POST	- - BOB - EXISTING CONTOURS	○ - EXISTING MANHOLE
RR - RAILROAD	- - - - - EXISTING INLET	==== - EXISTING SEWER PIPE
BOL - BOLLARD	○ - EXISTING MANHOLE	
WW - WINDOW WELL	==== - EXISTING SEWER PIPE	
RD - ROOF DRAIN		
VP - VENT PIPE		
TR - TRAFFIC		
HC - HANDICAP		
LH - LAMP HOLE		
COMB - COMBINATION SEWER		
W - WITH		

**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.

ALL EXISTING SUBSURFACE UTILITY INFORMATION PRESENTED ON THE CONTRACT DRAWINGS IS CHARACTERIZED AS UTILITY QUALITY LEVEL C OR D PER "CI/ASCE 38-02 - STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA" UNLESS SPECIFICALLY NOTED OTHERWISE.



**REVISION RECORD**

No	Date
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**CREATIVE ANALYTIC PLAY SPACE AT BRASHEAR**  
 130 BAUSMAN STREET  
 PITTSBURGH, PA 15210

**PREPARED FOR:  
 THE BRASHEAR ASSOCIATION**  
 320 BROWNSVILLE ROAD  
 PITTSBURGH, PA 15210

**EXISTING CONDITIONS PLAN**

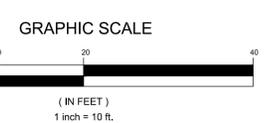
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 Drawing Scale: 1" = 10'  
 Date Issued: MARCH 2025

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**C060**



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**DEMOLITION LEGEND**

	EXISTING FEATURES TO REMAIN
	EXISTING FEATURES TO BE REMOVED
	REMOVE BITUMINOUS PAVEMENT, CONCRETE PAVEMENT, CURBING, AND SUBBASE IN ITS ENTIRETY.

- GENERAL DEMOLITION NOTES:**
- THE CONTRACTOR IS RESPONSIBLE FOR ASSURING LOCAL AND STATE PERMITS REQUIRED FOR DEMOLITION WORK HAVE BEEN OBTAINED.
  - THE CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS THE OWNER AND/OR ENGINEER FOR ANY AND ALL INJURIES AND/OR DAMAGES TO PERSONNEL, EQUIPMENT AND/OR EXISTING FACILITIES IN THE DEMOLITION AND CONSTRUCTION DESCRIBED IN THE PLANS AND SPECIFICATIONS.
  - EXISTING CONDITIONS AS DEPICTED ON THESE PLANS ARE GENERAL IN NATURE AND DO NOT INCLUDE MISCELLANEOUS ITEMS. THE CONTRACTOR IS RESPONSIBLE FOR EXAMINING THE SITE PRIOR TO BIDDING. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF EXISTING CONDITIONS ARE SIGNIFICANTLY DIFFERENT THAN SHOWN ON THE PLANS.
  - ALL SALVAGEABLE ITEMS MUST BE STORED BY THE CONTRACTOR AND PROTECTED FROM DAMAGE/THEFT OR DELIVERED TO AN AREA APPROVED BY THE OWNER.
  - UNLESS OTHERWISE NOTED, ALL DEMOLITION WASTE AND CONSTRUCTION DEBRIS SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF IN A STATE APPROVED WASTE SITE AND IN ACCORDANCE WITH ALL LOCAL AND STATE CODES AND PERMIT REQUIREMENTS.
  - ALL UTILITY REMOVAL, RELOCATION, CUTTING, CAPPING AND/OR ABANDONMENT IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE COORDINATED WITH THE APPROPRIATE UTILITY COMPANY.
  - CONTRACTOR SHALL AT ALL TIMES PROTECT ADJACENT STRUCTURES AND ITEMS FROM DAMAGE DUE TO DEMOLITION ACTIVITIES.
  - SAW CUT ALL PAVEMENT PRIOR TO EXCAVATION. SAW CUT PAVEMENT FULL DEPTH WHERE PAVEMENT IS TO BE REMOVED AND WHERE IT ADJUTS PAVEMENT TO REMAIN. PAVEMENT REMOVAL INCLUDES SUBBASE MATERIALS. SAW CUT CONCRETE PAVEMENT TO THE NEXT NEAREST EXISTING JOINT.
  - CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION.
  - CONTRACTOR SHALL PROTECT ALL CORNER PINS, MONUMENTS, PROPERTY CORNERS, AND BENCHMARKS DURING DEMOLITION ACTIVITIES. IF DISTURBED, CONTRACTOR SHALL HAVE THOSE ITEMS RESET BY A LICENSED SURVEYOR AT NO ADDITIONAL COST TO THE OWNER.
  - DEMOLITION CONTRACTOR SHALL COORDINATE EXISTING FACILITIES UTILITY DISCONNECTS WITH THE OWNER AND THE RESPECTIVE UTILITY PROVIDER A MINIMUM OF 7 DAYS PRIOR TO ANTICIPATED DEMOLITION OF STRUCTURES.
  - CONTRACTOR SHALL PROVIDE AND MAINTAIN TRAFFIC CONTROL MEASURES IN ACCORDANCE WITH THE PENNDOT 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 THE LOCAL AND/OR STATE AGENCIES REGARDING THE NEED, EXTENT, AND LIMITATIONS ASSOCIATED WITH INSTALLING AND MAINTAINING TRAFFIC CONTROL MEASURES.
  - THE BURNING OF CLEARED MATERIAL AND DEBRIS SHALL NOT BE ALLOWED UNLESS CONTRACTOR GETS WRITTEN AUTHORIZATION FROM THE LOCAL AUTHORITIES.
  - EROSION AND SEDIMENT CONTROL MEASURES AROUND AREAS OF DEMOLITION SHALL BE INSTALLED PRIOR TO INITIATION OF DEMOLITION ACTIVITIES. REFER TO E&S PLAN FOR DETAILS.
  - ASBESTOS OR HAZARDOUS MATERIALS, IF FOUND ON SITE, SHALL BE REMOVED BY A LICENSED HAZARDOUS MATERIALS CONTRACTOR. CONTRACTOR SHALL NOTIFY OWNER IMMEDIATELY IF HAZARDOUS MATERIALS ARE ENCOUNTERED.
  - ALL DISTURBANCES WITHIN PUBLIC AREAS SHALL BE RESTORED TO THE EXISTING CONDITIONS. ALL STREET AND SIDEWALK DISTURBANCES MUST BE RESTORED PER CURRENT MUNICIPAL SPECIFICATIONS AND REGULATIONS.
  - REMOVE TREES AND SHRUBS IN THEIR ENTIRETY, INCLUDING THE ROOT BALL.
  - UTILITIES MAY NOT BE PUBLICLY OWNED AND MAINTAINED. THEREFORE IT WILL BE NECESSARY FOR THE CONTRACTOR TO LOCATE PRIVATE UTILITIES IN ADVANCE OF ANY EXCAVATIONS.
  - CONTRACTOR SHALL HAVE A SUBSURFACE UTILITY INVESTIGATION PERFORMED IN ADVANCE OF ANY EXCAVATIONS IN AREAS OF WORK.
  - CONTRACTOR SHALL PROTECT EXISTING TREES TO REMAIN IN ACCORDANCE WITH TREE PROTECTION REQUIREMENTS AND MUST CONSULT WITH AN ARBORIST WHERE NOTED.

**REVISION RECORD**

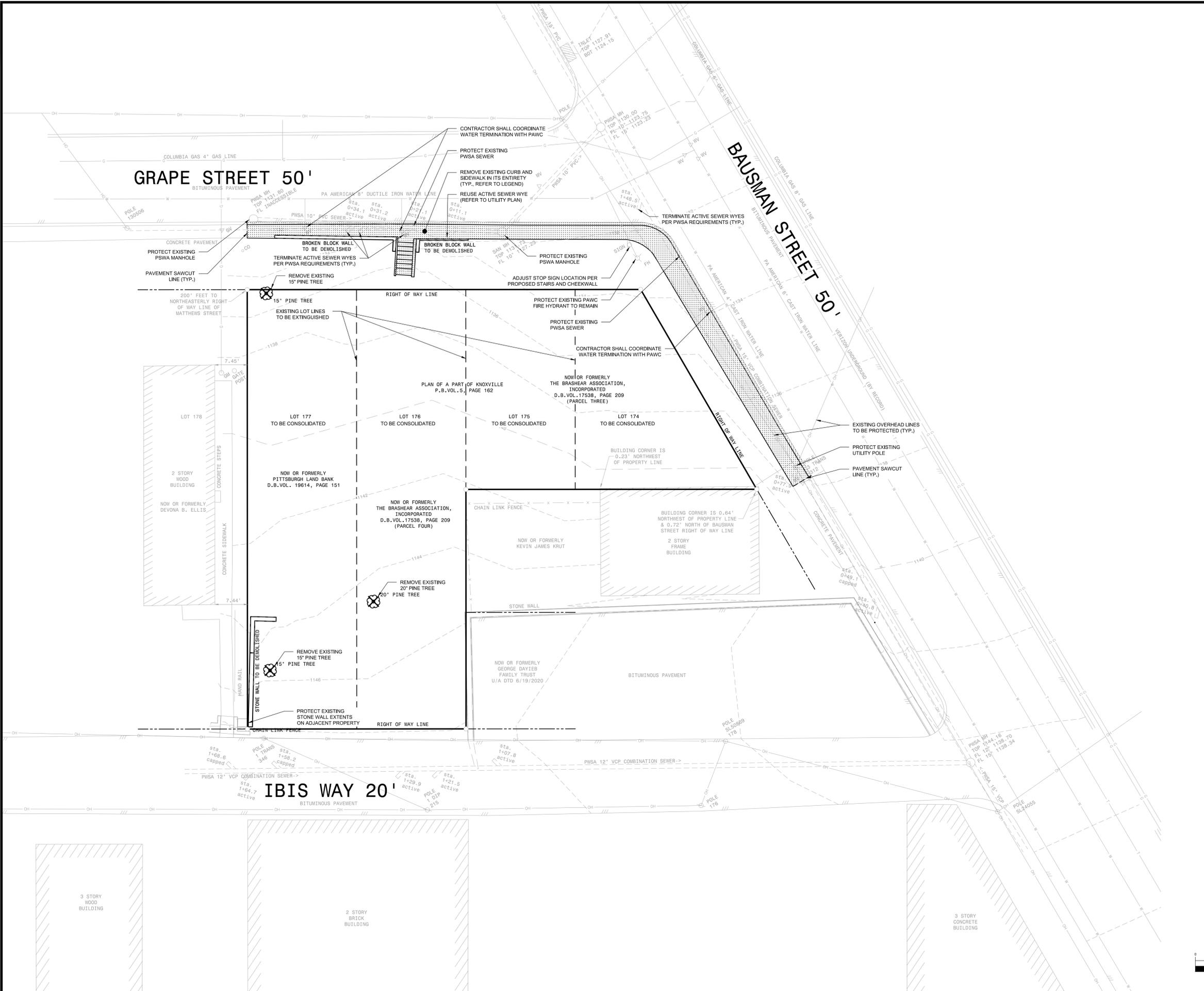
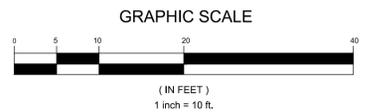
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**CREATIVE ANALYTIC PLAY SPACE AT BRASHEAR**  
130 BAUSMAN STREET  
PITTSBURGH, PA 15210

PREPARED FOR:  
**THE BRASHEAR ASSOCIATION**  
320 BROWNSVILLE ROAD  
PITTSBURGH, PA 15210



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Project Number: C-46921-0001  
 Drawing Scale: 1" = 10'  
 Date Issued: MARCH 2025  
 Index Number: -  
 Drawn By: APK  
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 Project Manager: CRJ  
**C061**

**GRADING LEGEND**

× 0.000.00	PROPOSED SPOT GRADE
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**SPOT GRADE ABBREVIATIONS**

TC	TOP CURB
BC	BOTTOM CURB
TC/BC	TOP CURB/ BOTTOM CURB
TW	TOP WALL
BW	BOTTOM WALL
RM	STORM STRUCTURE RIM ELEVATION

**GRADING PLAN NOTES:**

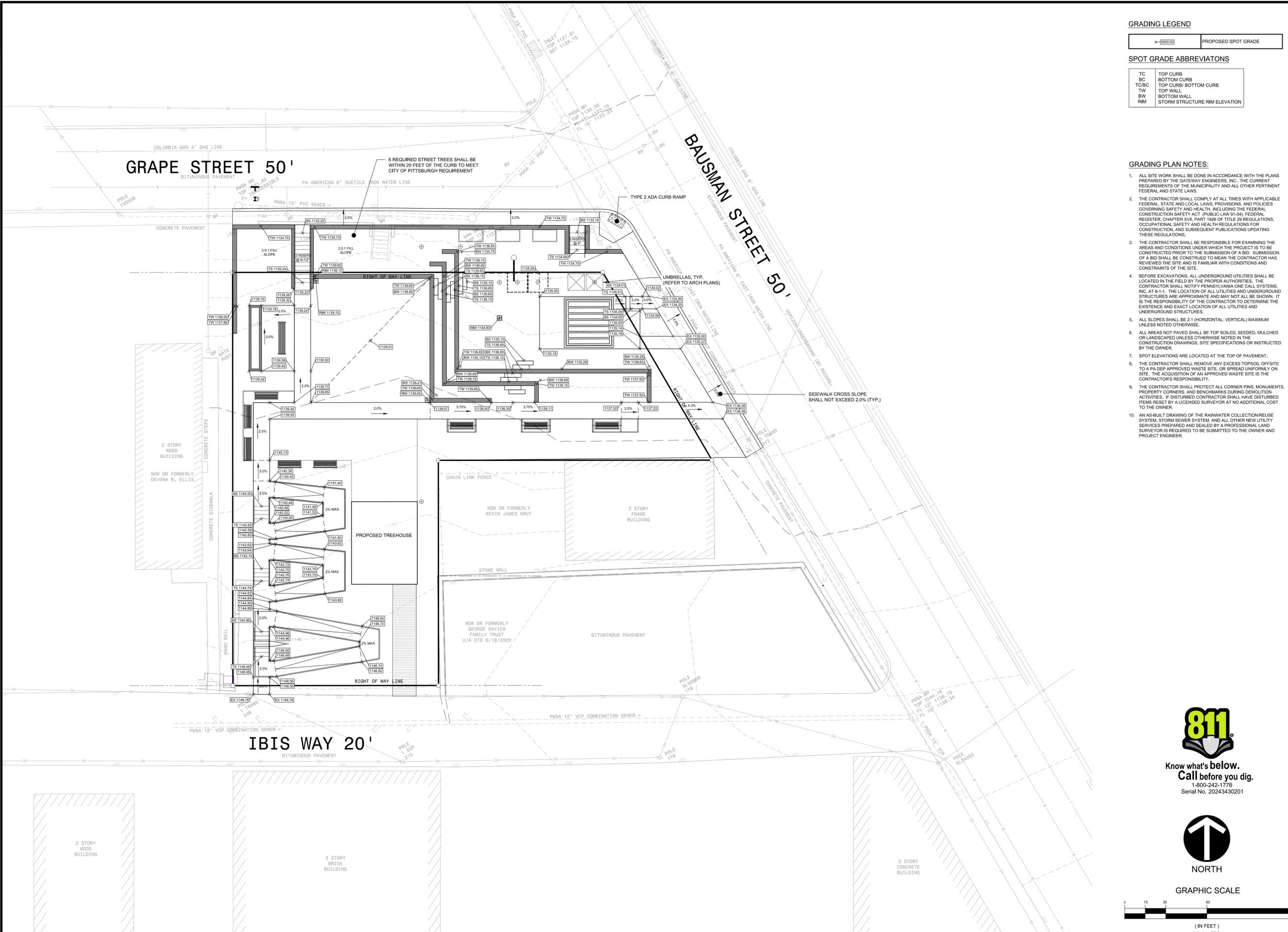
- ALL SITE WORK SHALL BE DONE IN ACCORDANCE WITH THE PLANS PREPARED BY THE GATEWAY ENGINEERS, INC., THE CURRENT REQUIREMENTS OF THE MUNICIPALITY AND ALL OTHER PERTINENT FEDERAL AND STATE LAWS.
- THE CONTRACTOR SHALL COMPLY AT ALL TIMES WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, PROVISIONS, AND POLICIES GOVERNING SAFETY AND HEALTH, INCLUDING THE FEDERAL CONSTRUCTION SAFETY ACT (PUBLIC LAW 91-594), FEDERAL REGISTER, CHAPTER XVII, PART 1926 OF TITLE 29 REGULATIONS, OCCUPATIONAL SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION, AND SUBSEQUENT PUBLICATIONS UPDATING THESE REGULATIONS.
- 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.
- 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.
- ALL SLOPES SHALL BE 2:1 (HORIZONTAL: VERTICAL) MAXIMUM UNLESS NOTED OTHERWISE.
- 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.
- SPOT ELEVATIONS ARE LOCATED AT THE TOP OF PAVEMENT.
- THE CONTRACTOR SHALL REMOVE ANY EXCESS TOPSOIL 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.
- THE CONTRACTOR SHALL PROTECT ALL CORNER PINS, MONUMENTS, PROPERTY CORNERS, AND BENCHMARKS DURING DEMOLITION ACTIVITIES. IF DISTURBED CORNER SHALL HAVE DISTURBED ITEMS RESE BY A LICENSED SURVEYOR AT NO ADDITIONAL COST TO THE OWNER.
- AN AS-BUILT DRAWING OF THE RAINWATER COLLECTION/REUSE SYSTEM, STORM SEWER SYSTEM, AND ALL OTHER NEW UTILITY SERVICES PREPARED AND SEALED BY A PROFESSIONAL LAND SURVEYOR IS REQUIRED TO BE SUBMITTED TO THE OWNER AND PROJECT ENGINEER.

**REVISION RECORD**

NO.	DATE	DESCRIPTION
01		
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**CREATIVE ANALYTIC PLAY SPACE AT BRASHEAR**  
130 BAUSMAN STREET  
PITTSBURGH, PA 15210  
**THE BRASHEAR ASSOCIATION**  
320 BROWNSVILLE ROAD  
PITTSBURGH, PA 15210

**GRADING PLAN**  
Project Number: C-46921-0001  
Drawing Scale: 1" = 10'  
Date Issued: MARCH 2025  
Index Number: ---  
Drawn By: APK  
Checked By: ---  
Project Manager: CRJ  
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**GRAPHIC SCALE**



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 User: D:\Users\j1722525748\Documents\7 - Approval.dwg  
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**UTILITY LEGEND**

	PROPOSED STORM LINE
	PROPOSED WATER LINE
	PROPOSED ELECTRIC LINE
	PROPOSED WATER VALVE
	PROPOSED TEE

**UTILITY ABBREVIATIONS**

STM	STORM
SAN	SANITARY
MH	MANHOLE
CO	CLEANOUT

- UTILITY PLAN NOTES:**
- 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 91-564, FEDERAL REGISTER, CHAPTER XVII, PART 1926 OF TITLE 29 REGULATIONS, OCCUPATIONAL SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION, AND SUBSEQUENT PUBLICATIONS UPDATING THESE REGULATIONS.
  - 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.
  - BEFORE EXCAVATION, ALL UNDERGROUND UTILITIES SHALL BE LOCATED IN THE FIELD BY THE PROPER AUTHORITIES. THE CONTRACTOR SHALL CONTACT PENNSYLVANIA ONE CALL SYSTEMS, INC. AT 8-1-1. THE LOCATION OF 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.
  - IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BID AND PERFORM ALL UTILITY WORK IN COMPLIANCE TO APPLICABLE LOCAL AND STATE CODES AND REGULATIONS.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR FEES ASSOCIATED WITH THE INSTALLATION, INSPECTING, TESTING AND FINAL ACCEPTANCE OF PROPOSED UTILITIES CONSTRUCTION.
  - UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THE SPECIFICATIONS OF THE RESPECTIVE UTILITY COMPANY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE UTILITIES ARE INSTALLED CORRECTLY TO MEET PROJECT REQUIREMENTS WHETHER PERFORMED BY THE CONTRACTOR OR NOT.
  - ALL ELECTRIC, STORM SEWER, AND WATER SERVICE LINE TRENCHES LOCATED UNDER PROPOSED PAVEMENT AREAS SHALL BE BACKFILLED WITH 100% STONE MATERIAL TO THE PROPOSED PAVING SECTION IN ACCORDANCE WITH THE DETAIL SHOWN ON THE CONSTRUCTION DETAIL SHEETS.
  - THERE SHALL BE NO CONSTRUCTION OF ELECTRIC PULL BOXES OR JUNCTION BOXES OR SIMILAR DEVICES PLACED OVER ANY OTHER UNDERGROUND UTILITY.
  - CONTRACTOR TO PROVIDE SHOP DRAWINGS ON ALL STORM SEWER MANHOLES AND INLETS.
  - ALL STORM PIPE SHALL BE HDPE, SMOOTH INTERIOR, CORRUGATED/POLYETHYLENE PIPE UNLESS OTHERWISE NOTED. ALL STORM SEWER CONSTRUCTION MATERIALS AND METHODS SHALL BE IN ACCORDANCE WITH PENNDOT SPECIFICATIONS. ALL JOINTS SHALL BE WATERTIGHT.
  - THE CONTRACTOR SHALL ASSURE THAT THERE IS POSITIVE DRAINAGE TO THE EXISTING AND PROPOSED INLETS/DRAINS UPON PLACEMENT OF NEW PAVEMENT.
  - CONDUIT LOCATIONS TO SITE LIGHT POLES TO BE COORDINATED WITH THE SITE ELECTRICAL PLAN.
  - THE ALLEGHENY COUNTY HEALTH DEPARTMENT SHALL BE CONTACTED FOR INSPECTION OF ALL PRIVATE SANITARY SEWERS, WATER LINES, AND STORM SEWER LINES WHERE THEY CONNECT TO A PUBLIC SEWER SYSTEM. ALL WATER AND SEWER LINES MUST BE INSTALLED BY A REGISTERED PLUMBER.
  - THE ROOF COLLECTOR SYSTEM SHALL BE TRAPPED PRIOR TO CONNECTING TO THE SITE STORM SEWER SYSTEM.
  - THE WATERLINE SHALL HAVE A MINIMUM OF 48" OF COVER AND BE AT LEAST 1 FOOT ABOVE THE SANITARY SEWER IF WITHIN 10 FEET OF THE HORIZONTAL DISTANCE OF THE SEWER.

REVISION RECORD

NO.	DATE	DESCRIPTION
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**CREATIVE ANALYTIC PLAY SPACE AT BRASHEAR**  
130 BAUSMAN STREET  
PITTSBURGH, PA 15210

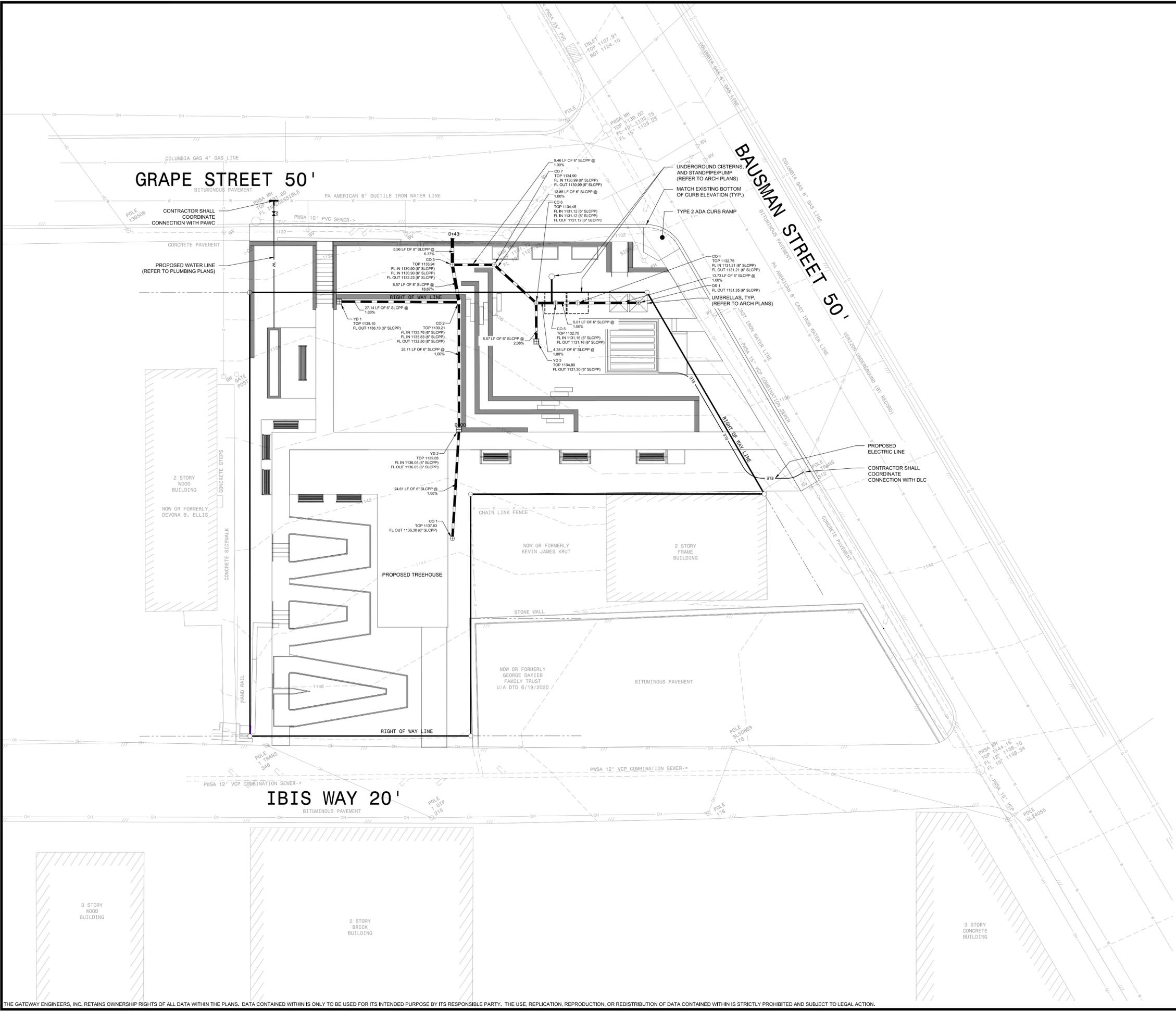
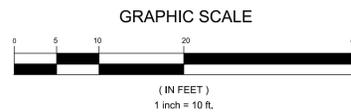
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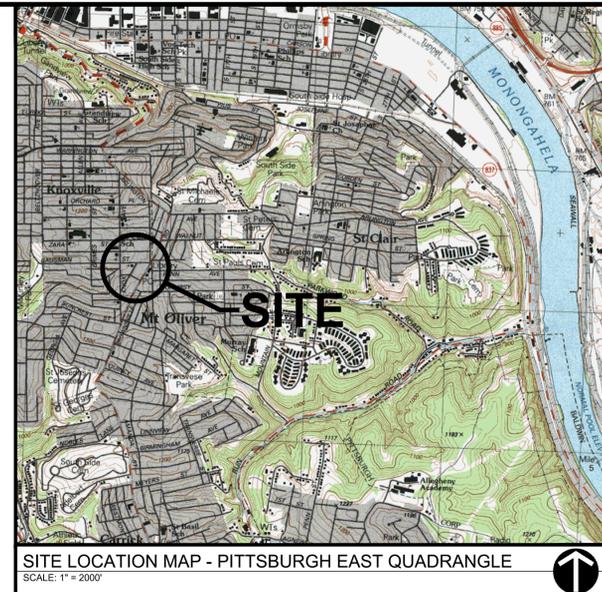
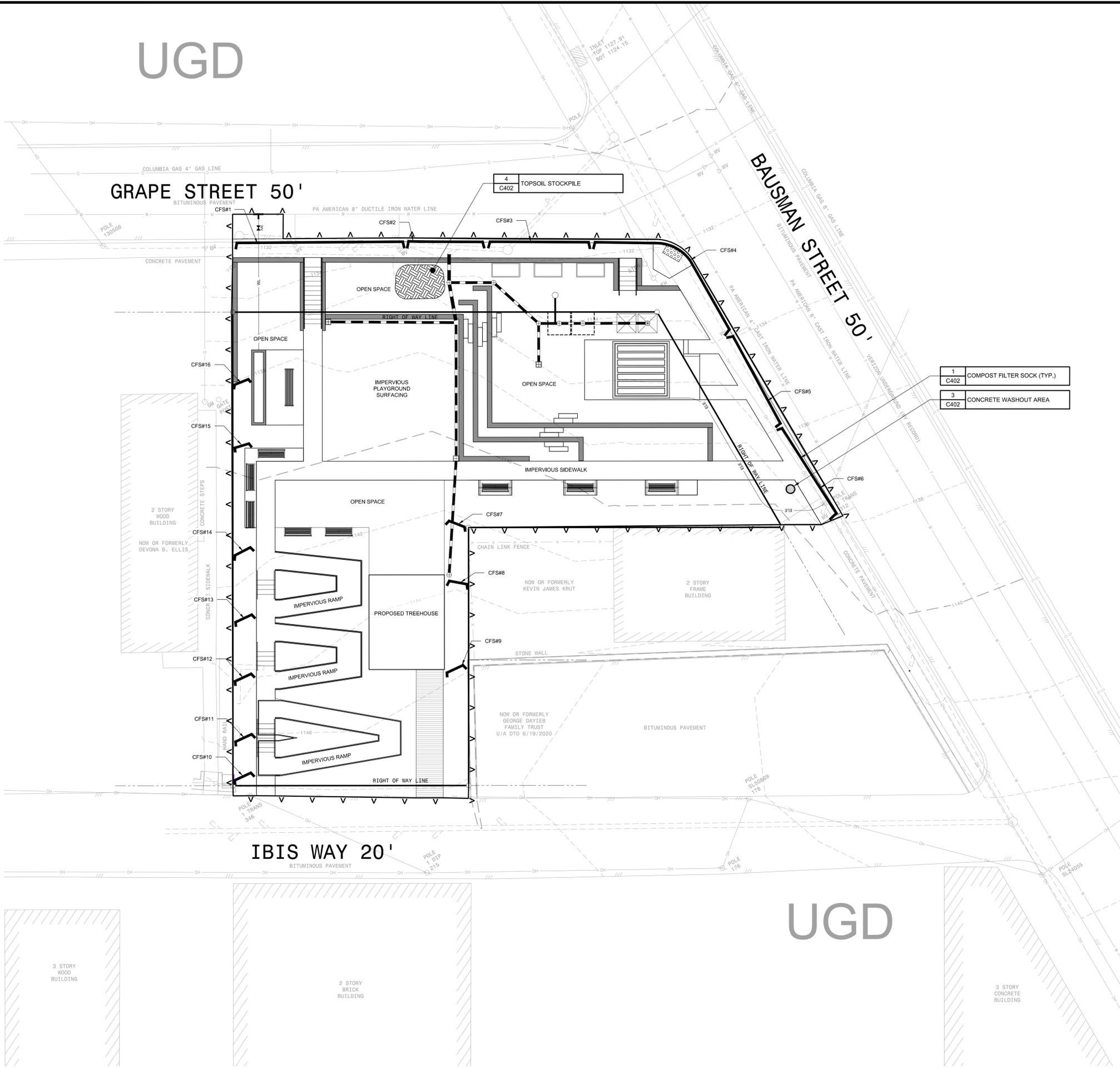
**UTILITY PLAN**

Project Number: C-46921-0001  
 Drawing Scale: 1" = 10'  
 Date Issued: MARCH 2025.  
 Index Number: -  
 Drawn By: APK  
 Checked By: -  
 Project Manager: CRJ

**C300**

THIS PLAN IS FOR EROSION AND SEDIMENT CONTROL PURPOSES ONLY

UGD



**EROSION AND SEDIMENT CONTROL LEGEND**

	5 C401	EROSION CONTROL BLANKET
	1 C402	COMPOST FILTER SOCK
	2 C402	CONCRETE WASHOUT AREA
	4 C402	TOPSOIL STOCKPILE
		SOIL BOUNDARIES
		LIMITS OF DISTURBANCE / PERMIT BOUNDARY

- EROSION AND SEDIMENT CONTROL NOTES:**
- 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.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXAMINING THE AREAS AND CONDITIONS UNDER WHICH THE PROJECT IS TO BE CONSTRUCTED PRIOR TO THE SUBMISSION OF THE 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.
  - BEFORE EXCAVATION, ALL UNDERGROUND UTILITIES SHALL BE LOCATED IN THE FIELD BY THE PROPER AUTHORITIES. THE CONTRACTOR SHALL NOTIFY PENNSYLVANIA ONE CALL SYSTEMS, INC. AT 1-800-242-1776. 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.
  - CONTRACTOR TO PROVIDE SHOP DRAWINGS ON ALL STORM SEWER MANHOLES, INLETS, AND DETENTION SYSTEMS.
  - AN AS-BUILT DRAWING OF NEW UTILITY SERVICES SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED TO THE OWNER UPON COMPLETION OF THE PROJECT.
  - ALL STORM PIPE SHALL BE HDPE, SMOOTH INTERIOR, CORRUGATED POLYETHYLENE PIPE UNLESS OTHERWISE NOTED. ALL STORM SEWER CONSTRUCTION MATERIALS AND METHODS SHALL BE IN ACCORDANCE WITH PENNDOT SPECIFICATIONS. ALL JOINTS SHALL BE WATER-TIGHT.
  - CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION.
  - THE CONTRACTOR SHALL ASSURE THAT THERE IS POSITIVE DRAINAGE TO THE INLETS UPON PLACEMENT OF NEW PAVEMENT.

**PROJECT AREAS**  
 TOTAL PERMIT AREA / DISTURBED AREA = 0.22 ACRES



**REVISION RECORD**

No.	Date	Description
01		
02		
03		
04		
05		
06		
07		
08		

**CREATIVE ANALYTIC PLAY SPACE AT BRASHEAR**  
 130 BAUSMAN STREET  
 PITTSBURGH, PA 15210  
 PREPARED FOR:  
**THE BRASHEAR ASSOCIATION**  
 320 BROWNSVILLE ROAD  
 PITTSBURGH, PA 15210

**EROSION AND SEDIMENT CONTROL PLAN**  
 Project Number: C-46921-0001  
 Drawing Scale: 1" = 10'  
 Date Issued: MARCH 2025  
 Index Number: \_\_\_\_\_  
 Drawn By: APK  
 Checked By: \_\_\_\_\_  
 Project Manager: CRJ

C400

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 Plot Date: 3/17/2025 11:47 AM  
 User: D:\Users\j1722521\Documents\1 - Approval\ES&S

**STANDARD EROSION AND SEDIMENT CONTROL PLAN NOTES**

- ALL EARTH DISTURBANCES, INCLUDING CLEARING AND GRUBBING AS WELL AS CUTS AND FILLS SHALL BE DONE IN ACCORDANCE WITH THE APPROVED E&S PLAN, A COPY OF THE APPROVED DRAWINGS (STAMPED, SIGNED AND DATED BY THE REVIEWING AGENCY) MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES. THE REVIEWING AGENCY SHALL BE NOTIFIED OF ANY CHANGES TO THE APPROVED PLAN PRIOR TO IMPLEMENTATION OF THOSE CHANGES. THE REVIEWING AGENCY MAY REQUIRE A WRITTEN SUBMITTAL OF THOSE CHANGES FOR REVIEW AND APPROVAL AT ITS DISCRETION.
- AT LEAST 7 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, INCLUDING CLEARING AND GRUBBING, THE OWNER AND/OR OPERATOR SHALL INVITE ALL CONTRACTORS, THE LANDOWNER, APPROPRIATE MUNICIPAL OFFICIALS, THE E&S PLAN PREPARER, THE PCSM PLAN PREPARER, THE LICENSED PROFESSIONAL RESPONSIBLE FOR OVERSIGHT OF CRITICAL STAGES OF IMPLEMENTATION OF THE PCSM PLAN, AND A REPRESENTATIVE FROM THE LOCAL CONSERVATION DISTRICT TO AN ON-SITE PRECONSTRUCTION MEETING.
- AT LEAST 3 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, OR EXPANDING INTO AN AREA PREVIOUSLY UNMARKED, THE PENNSYLVANIA ONE CALL SYSTEM INC. SHALL BE NOTIFIED AT 1-800-242-1776 FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES.
- ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE SEQUENCE PROVIDED ON THE PLAN DRAWINGS. DEVIATION FROM THAT SEQUENCE MUST BE APPROVED IN WRITING FROM THE LOCAL CONSERVATION DISTRICT OR BY THE DEPARTMENT PRIOR TO IMPLEMENTATION.
- AREAS TO BE FILLED ARE TO BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS AND OTHER OBJECTIONABLE MATERIAL.
- CLEARING, GRUBBING, AND TOPSOIL STRIPPING SHALL BE LIMITED TO THOSE AREAS DESCRIBED IN EACH STAGE OF THE CONSTRUCTION SEQUENCE. GENERAL SITE CLEARING, GRUBBING AND TOPSOIL STRIPPING MAY NOT COMMENCE IN ANY STAGE OR PHASE OF THE PROJECT UNTIL THE E&S BMPs SPECIFIED BY THE BMP SEQUENCE FOR THAT STAGE OR PHASE HAVE BEEN INSTALLED AND ARE FUNCTIONING AS DESCRIBED IN THIS E&S PLAN.
- AT NO TIME SHALL CONSTRUCTION VEHICLES BE ALLOWED TO ENTER AREAS OUTSIDE THE LIMIT OF DISTURBANCE BOUNDARIES SHOWN ON THE PLAN MAPS. THESE AREAS MUST BE CLEARLY MARKED AND FENCED OFF BEFORE CLEARING AND GRUBBING OPERATIONS BEGIN.
- TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED AT THE LOCATION(S) SHOWN ON THE PLAN MAP(S) IN THE AMOUNT NECESSARY TO COMPLETE THE FINISH GRADING OF ALL EXPOSED AREAS THAT ARE TO BE STABILIZED BY VEGETATION. EACH STOCKPILE SHALL BE PROTECTED IN THE MANNER SHOWN ON THE PLAN DRAWINGS. STOCKPILE HEIGHTS SHALL NOT EXCEED 35 FEET, STOCKPILE SLOPES SHALL BE 2H:1V OR FLATTER.
- IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO MINIMIZE THE POTENTIAL FOR EROSION AND SEDIMENT POLLUTION AND NOTIFY THE LOCAL CONSERVATION DISTRICT AND/OR THE REGIONAL OFFICE OF THE DEPARTMENT.
- ALL BUILDING MATERIALS AND WASTES SHALL BE REMOVED FROM THE SITE AND RECYCLED OR DISPOSED OF IN ACCORDANCE WITH THE DEPARTMENT'S SOLID WASTE MANAGEMENT REGULATIONS AT 25 PA. CODE 2601. ET. SEC. 271.1, AND 287.1 ET. SEQ. NO BUILDING MATERIALS OR WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURNED, BURIED, DUMPED, OR DISCHARGED AT THE SITE.
- ALL OFF-SITE WASTE AND BORROW AREAS MUST HAVE AN E&S PLAN APPROVED BY THE LOCAL CONSERVATION DISTRICT OR THE DEPARTMENT FULLY IMPLEMENTED PRIOR TO BEING ACTIVATED.
- THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ANY MATERIAL BROUGHT ON SITE IS CLEAN FILL. FORM FP-001 MUST BE RETAINED BY THE PROPERTY OWNER FOR ANY FILL MATERIAL AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE BUT QUALIFYING AS CLEAN FILL DUE TO ANALYTICAL TESTING.
- ALL PUMPING OF WATER FROM ANY WORK AREA SHALL BE DONE ACCORDING TO THE PROCEDURE DESCRIBED IN THIS PLAN. OVER UNDISTURBED VEGETATED AREAS.
- VEHICLES AND EQUIPMENT MAY NEITHER ENTER DIRECTLY NOR EXIT DIRECTLY FROM THE PROJECT SITE ONTO PUBLIC ROADS.
- UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMPs SHALL BE MAINTAINED PROPERLY. MAINTENANCE SHALL INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT BMPs AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS, ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, REMULCHING AND REINETTING MUST BE PERFORMED IMMEDIATELY, IF THE E&S BMPs FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMPs, OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED.
- A LOG SHOWING DATES THAT E&S BMPs WERE INSPECTED AS WELL AS ANY DEFICIENCIES FOUND AND THE DATE THEY WERE CORRECTED SHALL BE MAINTAINED ON THE SITE AND BE MADE AVAILABLE TO REGULATORY AGENCY OFFICIALS AT THE TIME OF INSPECTION.
- SEDIMENT TRACKED ONTO ANY PUBLIC ROADWAY OR SIDEWALK SHALL BE RETURNED TO THE CONSTRUCTION SITE BY THE END OF EACH WORK DAY AND DISPOSED IN THE MANNER DESCRIBED IN THIS PLAN. IN NO CASE SHALL THE SEDIMENT BE WASHED, SHOULED OR RAN INTO ANY ROADSIDE DITCH, STORM SEWER, OR SURFACE WATER.
- ALL SEDIMENT REMOVED FROM BMPs SHALL BE DISPOSED OF IN THE MANNER DESCRIBED ON THE PLAN DRAWINGS.
- AREAS WHICH ARE TO BE TOPSOILED SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 3 TO 5 INCHES - 6 TO 12 INCHES ON COMPACTED SOILS - PRIOR TO PLACEMENT OF TOPSOIL. AREAS TO BE VEGETATED SHALL HAVE A MINIMUM 4 INCHES OF TOPSOIL IN PLACE PRIOR TO SEEDING AND MULCHING. FILL OUTSLOPES SHALL HAVE A MINIMUM OF 2 INCHES OF TOPSOIL.
- ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS. FILL INTENDED TO SUPPORT BUILDINGS, STRUCTURES AND CONDUITS, ETC. SHALL BE COMPACTED IN ACCORDANCE WITH LOCAL REQUIREMENTS OR CODES. REFER TO GEOTECHNICAL REPORT AND CROSS SECTIONS.
- ALL EARTHEN FILLS SHALL BE PLACED IN COMPACTED LAYERS NOT TO EXCEED 9 INCHES IN THICKNESS.
- FILL MATERIALS SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOD, OR OTHER FOREIGN OR OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS.
- FROZEN MATERIALS OR SOFT, MUCKY, OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED INTO FILLS.
- FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.
- SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE WITH THE STANDARD AND SPECIFICATION FOR SUBSURFACE DRAIN OR OTHER APPROVED METHOD.
- ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY UPON REACHING FINISHED GRADE. CUT SLOPES IN COMPETENT BEDROCK AND ROCK FILLS NEED NOT BE VEGETATED. SEEDING AREAS WITHIN 50 FEET OF A SURFACE WATER, OR AS OTHERWISE SHOWN ON THE PLAN DRAWINGS, SHALL BE BLANKETED ACCORDING TO THE STANDARDS OF THIS PLAN.
- IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE IN ANY AREA OR SUBAREA OF THE PROJECT, THE OPERATOR SHALL STABILIZE ALL DISTURBED AREAS. DURING NON-GERMINATING MONTHS, MULCH OR PROTECTIVE BLANKETING SHALL BE APPLIED AS DESCRIBED IN THE PLAN. AREAS NOT AT FINISHED GRADE, WHICH WILL BE ACTIVATED WITHIN 1 YEAR, MAY BE STABILIZED IN ACCORDANCE WITH THE TEMPORARY STABILIZATION SPECIFICATIONS. THOSE AREAS WHICH WILL NOT BE REACTIVATED WITHIN 1 YEAR SHALL BE STABILIZED IN ACCORDANCE WITH THE PERMANENT STABILIZATION SPECIFICATIONS.
- PERMANENT STABILIZATION IS DEFINED AS A MINIMUM UNIFORM, PERENNIAL 70% VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED EROSION. CUT AND FILL SLOPES SHALL BE CAPABLE OF RESISTING FAILURE DUE TO SLUMPING, SLIDING, OR OTHER MOVEMENTS.
- E&S BMPs SHALL REMAIN FUNCTIONAL AS SUCH UNTIL ALL AREAS TRIBUTARY TO THEM ARE PERMANENTLY STABILIZED OR UNTIL THEY ARE REPLACED BY ANOTHER BMP APPROVED BY THE LOCAL COUNTY CONSERVATION DISTRICT OR THE DEPARTMENT.
- UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE LOCAL COUNTY CONSERVATION DISTRICT FOR AN INSPECTION PRIOR TO REMOVAL/CONVERSION OF THE E&S BMPs.
- AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENT BMPs MUST BE REMOVED OR CONVERTED TO PERMANENT POST CONSTRUCTION STORMWATER MANAGEMENT BMPs. AREAS DISTURBED DURING REMOVAL OR CONVERSION OF THE BMPs SHALL BE STABILIZED IMMEDIATELY, IN ORDER TO ENSURE RAPID REVEGETATION OF DISTURBED AREAS. SUCH REMOVAL/CONVERSIONS ARE TO BE DONE ONLY DURING THE GERMINATING SEASON.
- UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE LOCAL CONSERVATION DISTRICT TO SCHEDULE A FINAL INSPECTION.
- FAILURE TO CORRECTLY INSTALL E&S BMPs, FAILURE TO PREVENT SEDIMENT-LADEN RUNOFF FROM LEAVING THE CONSTRUCTION SITE, OR FAILURE TO TAKE IMMEDIATE CORRECTIVE ACTION TO RESOLVE FAILURE OF E&S BMPs MAY RESULT IN ADMINISTRATIVE, CIVIL, AND/OR CRIMINAL PENALTIES BEING INSTITUTED BY THE DEPARTMENT AS DEFINED IN SECTION 602 OF THE PENNSYLVANIA CLEAN STREAMS LAW. THE CLEAN STREAMS LAW PROVIDES FOR UP TO \$10,000 PER DAY IN CIVIL PENALTIES, UP TO \$10,000 IN SUMMARY CRIMINAL PENALTIES, AND UP TO \$25,000 IN MISDEMEANOR CRIMINAL PENALTIES FOR EACH VIOLATION.
- CONCRETE WASH WATER SHALL BE HANDLED IN THE MANNER DESCRIBED ON THE PLAN DRAWINGS. IN NO CASE SHALL IT BE ALLOWED TO ENTER ANY SURFACE WATERS OR GROUNDWATER SYSTEMS.
- ALL CHANNELS SHALL BE KEPT FREE OF OBSTRUCTIONS INCLUDING BUT NOT LIMITED TO FILL, ROCKS, LEAVES, WOODY DEBRIS, ACCUMULATED SEDIMENT, EXCESS VEGETATION, AND CONSTRUCTION MATERIAL WASTES.
- SEDIMENT BASINS AND/OR TRAPS SHALL BE KEPT FREE OF ALL CONSTRUCTION WASTE, WASH WATER, AND OTHER DEBRIS HAVING POTENTIAL TO CLOG THE BASIN/TRAP/OUTLET STRUCTURES AND/OR POLLUTE THE SURFACE WATERS.
- SEDIMENT BASINS SHALL BE PROTECTED FROM UNAUTHORIZED ACTS BY THIRD PARTIES.
- ANY DAMAGE THAT OCCURS IN WHOLE OR IN PART AS A RESULT OF BASIN OR TRAP DISCHARGE SHALL BE IMMEDIATELY REPAIRED BY THE PERMITTEE IN A PERMANENT MANNER SATISFACTORY TO THE MUNICIPALITY, LOCAL CONSERVATION DISTRICT, AND THE OWNER OF THE DAMAGED PROPERTY.
- UPON REQUEST, THE APPLICANT OR HIS CONTRACTOR SHALL PROVIDE AN AS-BUILT (RECORD DRAWING) FOR ANY SEDIMENT BASIN OR TRAP TO THE MUNICIPAL INSPECTOR, LOCAL CONSERVATION DISTRICT OR THE DEPARTMENT.
- EROSION CONTROL BLANKETING SHALL BE INSTALLED ON ALL SLOPES 3H:1V OR STEEPER WITHIN 50 FEET OF A SURFACE WATER AND ON ALL OTHER DISTURBED AREAS SPECIFIED ON THE PLAN MAPS AND/OR DETAIL SHEETS.
- FILL MATERIAL FOR EMBANKMENTS SHALL BE FREE OF ROOTS, OR OTHER WOODY VEGETATION, ORGANIC MATERIAL, LARGE STONES, AND OTHER OBJECTIONABLE MATERIALS. THE EMBANKMENT SHALL BE COMPACTED IN MAXIMUM 10" LAYERED LIFTS AT 90% DENSITY.

1	C401	STANDARD E&S NOTES
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**CONSTRUCTION STAGING**

- NOTE FOR ALL DISTURBED AREAS, AS SOON AS SLOPES, CHANNELS, DITCHES, AND OTHER DISTURBED AREAS REACH FINAL GRADE, THEY MUST BE STABILIZED, UPON COMPLETION OR TEMPORARY CESSATION OF EARTH DISTURBANCE ACTIVITY, OR ANY STAGE THEREOF, THE PROJECT SITE SHALL BE IMMEDIATELY STABILIZED. NO MORE THAN 15,000 SQUARE FEET OF DISTURBED AREA SHALL REACH FINAL GRADE BEFORE INITIATING SEEDING AND MULCHING OPERATIONS.
- ALL CONSTRUCTION SHALL TAKE PLACE WITHIN THE LIMITS OF DISTURBANCE AS NOTED ON THE DRAWING.
- VEGETATED AREAS MUST ACHIEVE A MINIMUM UNIFORM 70% PERENNIAL VEGETATIVE COVER OVER THE ENTIRE DISTURBED AREA AND ROADWAYS AND PARKING AREAS SHOULD AT LEAST HAVE A CLEAN SUB-BASE IN PLACE PRIOR TO REMOVAL OF ANY E&S BMPs. CONTACT THE ALLEGHENY COUNTY CONSERVATION DISTRICT FOR THEIR APPROVAL TO REMOVE THE PARTICULAR CONTROL MEASURES.
- WHEN CLEANING EXCESS SEDIMENT FROM THE E&S CONTROL FACILITIES, PLACE SEDIMENTS IN GRASS AREAS WHICH DO NOT RECEIVE CONCENTRATED STORM FLOWS AND ARE CONTROLLED BY BMPs (WITHIN LIMITS OF DISTURBANCE), THEN SEED OVER AREA USING SEEDING SPECIFICATIONS.
- A LOG SHOWING DATES THAT E&S BMPs WERE INSPECTED, AS WELL AS ANY DEFICIENCIES FOUND AND THE DATE THEY WERE CORRECTED SHALL BE MAINTAINED ON SITE AND BE MADE AVAILABLE TO REGULATORY AGENCY OFFICIALS AT THE TIME OF INSPECTION.
- EXCESS TOPSOIL THAT WILL NOT BE RE-SPREAD ON SITE SHALL BE DISPOSED OF AT A PA DEP APPROVED WASTE FACILITY.
- ALL DISTURBED AREAS WHICH ARE AT FINAL GRADE AND WILL NOT BE FURTHER DISTURBED SHALL BE SEEDDED PER THE PERMANENT SEEDING SPECIFICATIONS.
- ALL OTHER DISTURBED AREAS THAT WILL NOT RECEIVE ADDITIONAL WORK FOR A PERIOD OF MORE THAN 4 DAYS SHALL BE SEEDDED PER THE TEMPORARY SEEDING SPECIFICATIONS.

**CONSTRUCTION SEQUENCE**

- CONTRACTOR SHALL CONTACT THE CITY OF PITTSBURGH AND THE ALLEGHENY COUNTY CONSERVATION DISTRICT TO SETUP A PRE-CONSTRUCTION MEETING AT THE PROJECT SITE SEVEN (7) DAYS PRIOR TO THE START OF CONSTRUCTION ACTIVITIES.
- STAKE OUT LIMITS OF DISTURBANCE.
- INSTALL ORANGE CONSTRUCTION FENCE AROUND ANY AND ALL ENVIRONMENTAL FEATURES TO BE PROTECTED ON THE SITE.
- THE NEED FOR A CONCRETE WASHOUT IS NOT ANTICIPATED DUE TO THE SCOPE OF THE PROJECT. THE PROJECT INCLUDES THE DEMOLITION AND RE-GRADING OF THE EXISTING LOTS AT BASUMAN STREET AND GRAPE STREET, AS WELL AS A TEMPORARY TOPSOIL STOCKPILE AND COMPOST FILTER SOCKS. THE SITE WOULD IMPOSE NEW IMPERVIOUS COVERAGE.
- CLEAR AND GRUB AND INSTALL ALL COMPOST FILTER SOCKS IN THE LOCATIONS SHOWN ON THE PLAN AND IN ACCORDANCE WITH THE DETAILS PROVIDED AND CLEAR AND GRUB ONLY THE AREA NECESSARY TO INSTALL PERIMETER E&S CONTROLS.
- BEGIN ROUGH GRADING OPERATIONS FOR THE ENTIRETY OF THE PROJECT SITE. DURING GRADING OPERATIONS, ALL PROPOSED CUT AND/OR FILL SLOPES SHALL BE PLACED IN REGULAR, VERTICAL INCREMENTS. THE FILL SLOPES SHALL BE GRADED BACK DOWN FROM THE TOP OF SLOPE AT THE END OF EACH DAY SO THAT RUNOFF IS DIRECTED AWAY FROM THE OUT SLOPES, AS SLOPE AREAS ARE BROUGHT TO FINAL GRADE. INSTALL EROSION CONTROL, BLANKETING ON CUT AND FILL SLOPES, AS INDICATED ON THE PLAN AND IN ACCORDANCE WITH THE CONSTRUCTION DETAIL, AS SOON AS THE PROPOSED CUT AND/OR FILL SLOPES ARE BROUGHT TO FINAL GRADE. IMMEDIATELY SEED AND MULCH IN REGULAR 15' TO 25' VERTICAL INCREMENTS TO PROMOTE EARLY STABILIZATION.
- ONCE ALL CONTROLS ARE INSTALLED AS OUTLINED ABOVE, DEMOLITION OF THE EXISTING APPURTENANCES MAY COMMENCE. ALL CONSTRUCTION DEBRIS SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF AT A DEP APPROVED WASTE SITE IN ACCORDANCE WITH ALL LOCAL AND STATE CODES AND PERMIT REQUIREMENTS.
- CONCURRENTLY WITH DEMOLITION ACTIVITIES, BEGIN CLEARING AND GRUBBING ACTIVITIES WITHIN THE LIMITS OF DISTURBANCE AS SHOWN ON PLAN.
- PRIOR TO COMMENCING ANY EARTHWORK ACTIVITIES, THE CONTRACTOR SHALL VERIFY THAT ALL SEGMENTS OF COMPOST FILTER SOCK ARE STILL FUNCTIONING PROPERLY.
- BEGIN ROUGH GRADING OPERATIONS WITHIN THE CONSTRUCTION LIMITS. STRIP TOPSOIL ACROSS THE SITE AND PLACE IN THE TOPSOIL STOCKPILE LOCATION SHOWN ON THE PLAN. DURING GRADING OPERATIONS, ENSURE POSITIVE DRAINAGE TO THE PROPOSED EROSION AND SEDIMENT CONTROL BMPs. THE FILL SLOPES SHALL BE GRADED BACK DOWN FROM THE TOP OF SLOPE AT THE END OF EACH DAY SO THAT RUNOFF IS DIRECTED AWAY FROM THE OUT SLOPES. AS STEEP SLOPE AREAS ARE BROUGHT TO FINAL GRADE, INSTALL EROSION CONTROL, BLANKETING OR APPLY SOIL STABILIZATION SPRAY EMULSION IN REGULAR 15' VERTICAL INCREMENTS, AS SOON AS THE PROPOSED FILL SLOPES ARE BROUGHT TO FINAL GRADE. IMMEDIATELY SEED AND MULCH TO PROMOTE EARLY STABILIZATION.
- IN CONJUNCTION WITH THE GRADING OPERATIONS, CONTRACTOR SHALL EXCAVATE, INSTALL, AND BACKFILL STORM PIPE AND STRUCTURES AS SHOWN ON THE PLAN AND ACCORDING TO THE TYPICAL UTILITY TRENCHING DETAIL PROVIDED. REFER TO THE UTILITY LINE INSTALLATION REQUIREMENTS BELOW.
- BACKFILL ALL UTILITY TRENCHES BY THE END OF EACH DAY. TRENCHES BELOW EXISTING OR PROPOSED PAVED SURFACES SHALL BE BACKFILLED WITH 100% CRUSHED LIMESTONE.
- COMPLETE REMAINDER OF MAJOR GRADING OPERATIONS. RE-SPREAD TOPSOIL AND SEED UNTIL VEGETATIVE COVER IS A UNIFORM COVERAGE OR DENSITY OF SEVENTY PERCENT (70%) ACROSS THE ENTIRE DISTURBED AREA.

**FINAL STABILIZATION**

- SPREAD TOPSOIL ON NON-PAVED AREAS FOR SEEDING, SEED AND MULCH ALL DISTURBED AREAS, USING THE SPECIFIED SEEDING REQUIREMENTS. ALL DISTURBED AREAS MUST BE TEMPORARILY STABILIZED IF REMAINING IDLE, OR ANTICIPATED TO REMAIN IDLE. NO MORE THAN 15,000 SQUARE FEET OF DISTURBED AREA MAY REACH FINAL GRADE DURING SEEDING AND MULCHING OPERATIONS. IN THE ABSENCE OF A SOIL TEST, LIME SHOULD BE ADDED AT A RATE OF 275 LBS / 1,000 S.F. LIKEWISE, THE FERTILIZER RATES SHOULD BE INCREASED TO 1250 LBS / AC. OF 8-16-16 AND 2000 LBS / AC. OF 5-10-10.
- ALL TEMPORARY EROSION CONTROL DEVICES SHALL REMAIN INTACT UNTIL FINAL STABILIZATION OF THE SITE IS ACHIEVED. FINAL STABILIZATION OF THE SITE SHALL BE ACHIEVED WHEN ALL PERMANENT CONTROL MEASURES AND FACILITIES HAVE BEEN COMPLETED AND ARE OPERATIONAL AND UNIFORM PERENNIAL VEGETATION IS ESTABLISHED TO THE POINT WHERE THE SURFACE SOIL IS CAPABLE OF RESISTING EROSION DURING RUNOFF EVENTS. THE STANDARD FOR THIS VEGETATIVE COVER WILL BE A UNIVERSAL COVERAGE, OR DENSITY, OF SEVENTY PERCENT (70%) ACROSS THE DISTURBED AREA.
- ALL COMPOST FILTER SOCK MAY BE REMOVED WHEN A MINIMUM UNIFORM 70% VEGETATIVE COVER IS ESTABLISHED WITH A DENSITY CAPABLE OF RESISTING ACCELERATED EROSION AND SEDIMENTATION FOR AREAS TRIBUTARY TO THE COMPOST FILTER SOCK.
- REFER TO THE SECTION ENTITLED "AFTER COMPLETION OF PROJECT" FOR A DETAILED SEQUENCE FOR REMOVING SAID E&S MEASURES.

**SITE RESTORATION (AFTER COMPLETION OF PROJECT):**

- DUE TO BALANCED SITE EARTHWORK, IT IS NOT ANTICIPATED THAT ANY MATERIAL SHALL BE HAULED OFF SITE AND/OR STOCKPILED ON-SITE. ALSO, IT IS PRESUMED THAT EXISTING TOPSOIL IS MINIMAL AND WILL BE SPREAD ON PROPOSED SLOPES.
- ALL COMPOST FILTER SOCK MAY BE REMOVED WHEN A MINIMUM UNIFORM 70% PERENNIAL VEGETATIVE COVER IS ESTABLISHED, WITH A DENSITY CAPABLE OF RESISTING ACCELERATED EROSION AND SEDIMENTATION FOR AREAS TRIBUTARY TO THE SOCK.
- IF A BMP FAILS DURING A RUNOFF EVENT, THE CONTRACTOR SHALL REPLACE/FIX THE DAMAGED BMP WITHIN 24 HOURS FOLLOWING THE FAILURE OCCURRENCE.
- WHEN CLEANING EXCESS SEDIMENT FROM THE E&S CONTROL FACILITIES, PLACE SEDIMENTS IN GRASS AREAS WHICH DO NOT RECEIVE CONCENTRATED STORM FLOWS AND ARE CONTROLLED BY BMPs (WITHIN LIMITS OF DISTURBANCE), THEN SEED OVER AREA USING SEEDING SPECIFICATIONS.
5. SITE SHALL BE PERMANENTLY STABILIZED IN ACCORDANCE WITH THE SITE RESTORATION PLAN. THERE IS NO PROPOSED IMPERVIOUS COVERAGE AND/OR PCSM BMPs. THE GRADED PAD JUST SOUTH OF EWING ROAD SHALL REMAIN, ALONG WITH ASSOCIATED APPURTENANCES TO SUPPORT STORMWATER FLOW.

**UTILITY LINE INSTALLATION REQUIREMENTS**

- GENERAL
  - EXPOSED TRENCH EXCAVATIONS HAVE HIGH POTENTIAL FOR ACCELERATED EROSION AND SEDIMENT POLLUTION. SINCE THESE EXCAVATIONS ARE USUALLY LOCATED AT LOWER ELEVATIONS ALONG OR ACROSS EARTH DISTURBANCE SITES, OPEN TRENCHES SERVE TO CONCENTRATE SEDIMENT-LADEN RUNOFF AND CONVEY IT TO SITE BOUNDARIES OR WATERWAYS. THE MOST IMPORTANT EROSION AND SEDIMENT POLLUTION CONTROL CONSIDERATION FOR TRENCH CONSTRUCTION IS THE LIMITING AND SPECIFIC SCHEDULING OR WORK ACTIVITIES.
- CONSTRUCTION REQUIREMENTS
  - LIMIT DAILY TRENCH EXCAVATION TO THE LENGTH OF PIPE PLACEMENT AND BACKFILLING THAT CAN BE COMPLETED THE SAME DAY. NO MORE THAN 50 LINEAL FEET OF OPEN TRENCH SHOULD EXIST WHEN PIPELINE/UTILITY LINE INSTALLATION CEASES AT THE END OF THE WORK DAY.
  - WATER THAT HAS ACCUMULATED IN THE OPEN TRENCH SHALL BE COMPLETELY REMOVED BY USING A PUMPED WATER FILTER BAG AS SHOWN IN THE CONSTRUCTION DETAIL BEFORE PIPE PLACEMENT AND/OR BACKFILLING BEGINS.
  - ON THE DAY FOLLOWING PIPE PLACEMENT AND TRENCH BACKFILLING, THE DISTURBED AREA WILL BE GRADED TO FINAL CONTOURS AND APPROPRIATE TEMPORARY EROSION AND SEDIMENT POLLUTION CONTROL MEASURES/FACILITIES SHALL BE INSTALLED. SEEDING AND MULCHING OF ALL DISTURBED AREAS WILL BE DONE AT THE END OF EACH WEEK.
- EXCEPTIONS
  - IN CERTAIN CASES, TRENCHES CANNOT BE BACKFILLED UNTIL THE PIPE IS HYDROSTATICALLY TESTED, OR ANCHORS AND OTHER PERMANENT FEATURES ARE INSTALLED. IN THESE CASES, ALL OF THE REQUIREMENTS LISTED UNDER ITEM B WILL REMAIN IN EFFECT WITH THE FOLLOWING AMENDMENTS:
    - DAILY BACKFILLING OF THE TRENCH MAY BE DELAYED FOR SIX DAYS. ALL PRESSURE TESTING AND THE COMPLETE BACKFILLING OF THE OPEN TRENCH MUST BE COMPLETED BY THE SEVENTH WORKING DAY.
    - IF DAILY BACKFILLING IS DELAYED, THE DISTURBED AREA WILL BE GRADED TO FINAL CONTOURS, APPROPRIATE TEMPORARY EROSION AND SEDIMENT CONTROL BMPs WILL BE INSTALLED, AND THE AREAS SEEDDED AND MULCHED WITHIN THE NEXT TWO CALENDAR DAYS.

2	C401	CONSTRUCTION SEQUENCE
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**TEMPORARY SEEDING SPECIFICATIONS:**

<b>LIMESTONE</b>	RAW, GROUND AGRICULTURAL LIMESTONE CONTAINING MORE THAN 90 PERCENT CALCIUM CARBONATES (ADJUST PH LEVELS TO 6.5 TO 7.0). APPLY AT A RATE OF 410 LBS / 1000 S.Y., UNLESS OTHERWISE INDICATED BY SOIL TESTS.								
<b>COMMERCIAL FERTILIZER</b>	IN ABSENCE OF A SOIL TEST, USE 100 LBS / 1000 S.Y. OF 10-10-20 MIXED INTO SEED BED PRIOR TO SEEDING, OR IN A TANK WITH SEED WHEN HYDROSEEDING.								
<b>MULCH</b>	CLEAN OAT OR WHEAT STRAW SHALL BE FREE FROM MATURE SEED-BEARING STALKS OR ROOTS OF PROHIBITED OR NOXIOUS WEEDS AS DEFINED BY THE PENNSYLVANIA SEED ACT 1947. APPLY AT A RATE OF 3 TONS/AC (139 LBS/1000 SF). PRECAUTION SHALL BE TAKEN TO STABILIZE THE MULCH UNTIL THE VEGETATIVE COVER IS ESTABLISHED.								
<b>SEED MIXTURE</b>	SEED MIXTURE SHALL BEAR A GUARANTEED STATEMENT OF ANALYSIS AND SHALL BE COMPOSED OF THE FOLLOWING VARIETIES AND MIXED IN THE PROPORTIONS SPECIFIED.								
<b>SEED MIXTURE</b>	<table border="1"> <thead> <tr> <th>TEMPORARY SEED MIXTURE</th> <th>PERCENTAGE</th> <th>MINIMUM PURITY</th> <th>MINIMUM GERMINATION</th> </tr> </thead> <tbody> <tr> <td>PERENNIAL RYEGRASS</td> <td>100%</td> <td>98%</td> <td>90%</td> </tr> </tbody> </table>	TEMPORARY SEED MIXTURE	PERCENTAGE	MINIMUM PURITY	MINIMUM GERMINATION	PERENNIAL RYEGRASS	100%	98%	90%
TEMPORARY SEED MIXTURE	PERCENTAGE	MINIMUM PURITY	MINIMUM GERMINATION						
PERENNIAL RYEGRASS	100%	98%	90%						
<b>SEEDING RATE</b>	THREE (3) PERCENT REDTOP MAY BE ADDED TO THE LAWN MIXTURE ON SLOPE AREAS OR FOR LATE SPRING OR LATE FALL SEEDING.								
<b>SEEDING RATE</b>	TEMPORARY SEEDING SHALL BE APPLIED AT THE RATE OF TEN (10) POUNDS PER ONE THOUSAND (1,000) SQUARE YARDS.								
<b>NOTES</b>	ALL AREAS TO BE SEEDDED SHALL BE LOOSENEED TO A DEPTH OF AT LEAST TWO INCHES BY MECHANICAL MEANS, OR AS APPROVED BY THE LANDSCAPE ARCHITECT.								
	MULCH SEEDDED AREAS IMMEDIATELY AFTER SEEDING.								
	SEED ALL DISTURBED AREAS WITH THE TEMPORARY SEED MIXTURE EXCEPT THOSE AREAS SHOWN TO BE SEEDDED WITH STEEP SLOPE MIXTURE, UNLESS OTHERWISE NOTED ON THE DRAWINGS.								
	HYDROSEEDING WITH TACIFER MAY BE USED IN LIEU OF MULCH.								

**PERMANENT SEEDING SPECIFICATIONS:**

<b>TOPSOIL</b>	4" MIN. TOPSOIL SHALL BE REQUIRED ON ALL DISTURBED AREAS AFTER SITE HAS BEEN RECLAIMED/RESTORED.												
<b>LIMESTONE</b>	RAW, GROUND AGRICULTURAL LIMESTONE CONTAINING MORE THAN 90 PERCENT CALCIUM CARBONATES (ADJUST PH LEVELS TO 6.5 TO 7.0). APPLY AT A RATE OF 2,480 LBS / 1,000 S.Y., UNLESS OTHERWISE INDICATED BY SOIL TESTS.												
<b>COMMERCIAL FERTILIZER</b>	IN ABSENCE OF A SOIL TEST, USE 210 LBS / 1,000 S.Y. OF 10-10-20 MIXED INTO SEED BED PRIOR TO SEEDING, OR IN A TANK WITH SEED WHEN HYDROSEEDING.												
<b>INOCULANT</b>	INOCULANT FOR TREATING LEGUMINOUS SEEDS SHALL BE A STANDARD COMMERCIAL PRODUCT CONSISTING OF A SUITABLE CARRIER CONTAINING A CULTURE OF NITROGEN FIXING BACTERIA SPECIFIC FOR SEEDS TO BE INOCULATED. INOCULANT SHALL NOT BE USED LATER THAN DATE INDICATED ON THE CONTAINER.												
<b>MULCH</b>	CLEAN OAT OR WHEAT STRAW SHALL BE FREE FROM MATURE SEED-BEARING STALKS OR ROOTS OF PROHIBITED OR NOXIOUS WEEDS AS DEFINED BY THE PENNSYLVANIA SEED ACT 1947. APPLY AT A RATE OF 3 TONS/AC (139 LBS/1000 SF). PRECAUTION SHALL BE TAKEN TO STABILIZE THE MULCH UNTIL THE VEGETATIVE COVER IS ESTABLISHED.												
<b>SEED MIXTURE</b>	SEED MIXTURE SHALL BEAR A GUARANTEED STATEMENT OF ANALYSIS AND SHALL BE COMPOSED OF THE FOLLOWING VARIETIES AND MIXED IN THE PROPORTIONS SPECIFIED.												
<b>PERMANENT SEEDING MIXTURE (PERENNIAL FORMULA 1)</b>	<table border="1"> <thead> <tr> <th>PERCENTAGE</th> <th>MINIMUM PURITY</th> <th>MINIMUM GERMINATION</th> </tr> </thead> <tbody> <tr> <td>PERENNIAL RYEGRASS MIXTURE (LULIM PERENNIAL) - A COMBINATION OF IMPROVED CERTIFIED VARIETIES WITH NO ONE VARIETY EXCEEDING 50% OF THE TOTAL RYEGRASS COMPONENT.</td> <td>20%</td> <td>98%</td> </tr> <tr> <td>CREeping RED FESCUE OR OR CHIEWMS FESCUE</td> <td>30%</td> <td>98%</td> </tr> <tr> <td>KENTUCKY BLUEGRASS MIXTURE (POA PRATENSIS) - A COMBINATION OF IMPROVED CERTIFIED VARIETIES WITH NO ONE VARIETY EXCEEDING 25% OF THE TOTAL BLUEGRASS COMPONENT.</td> <td>50%</td> <td>98%</td> </tr> </tbody> </table>	PERCENTAGE	MINIMUM PURITY	MINIMUM GERMINATION	PERENNIAL RYEGRASS MIXTURE (LULIM PERENNIAL) - A COMBINATION OF IMPROVED CERTIFIED VARIETIES WITH NO ONE VARIETY EXCEEDING 50% OF THE TOTAL RYEGRASS COMPONENT.	20%	98%	CREeping RED FESCUE OR OR CHIEWMS FESCUE	30%	98%	KENTUCKY BLUEGRASS MIXTURE (POA PRATENSIS) - A COMBINATION OF IMPROVED CERTIFIED VARIETIES WITH NO ONE VARIETY EXCEEDING 25% OF THE TOTAL BLUEGRASS COMPONENT.	50%	98%
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<b>SEEDING RATE</b>	PERMANENT SEEDING SHALL BE APPLIED AT A RATE OF 21 POUNDS PER 1,000 SQUARE FEET.												
<b>PREPARATION OF SEEDING</b>	HYDROSEEDING WITH TACIFER MAY BE USED IN LIEU OF MULCH.												
	GRADE AS NECESSARY TO BRING SUBGRADE TO A TRUE, SMOOTH SLOPE PARALLEL TO AND SIX INCHES BELOW FINISHED GRADE. PLACE TOPSOIL OVER SPECIFIED AREAS TO A DEPTH SUFFICIENTLY GREATER THAN SIX (6) OR EIGHT (8) INCHES SO THAT AFTER SETTLEMENT AND LIGHT ROLLING, THE COMPLETE WORK WILL CONFORM TO LINES, GRADES AND ELEVATIONS SHOWN.												
	FERTILIZER AND AGRICULTURAL LIMESTONE SHALL BE THOROUGHLY INCORPORATED INTO THE SOIL BY ROTOTILLING OR OTHER METHOD TO A MINIMUM DEPTH OF FOUR (4) INCHES. THE ENTIRE SURFACE SHALL THEN BE REGRADED AND ROLLED. AREAS TO BE SEEDDED SHALL THEN BE LOOSENEED TO A DEPTH OF TWO (2) INCHES. SEEDING SHALL BE DONE IN TWO SEPARATE OPERATIONS. THE SECOND SEEDING SHALL BE DONE IMMEDIATELY AFTER THE FIRST AND AT RIGHT ANGLES TO THE FIRST SEEDING AND LIGHTLY RAKED INTO THE SOIL. MULCH SEEDDED AREAS IMMEDIATELY AFTER SEEDING.												

DEPTH (IN)	PER 1,000 SQUARE FEET	PER ACRE
1	3.1	134
2	6.2	268
3	9.3	403
4	12.4	537
5	15.5	672
6	18.6	806
7	21.7	940
8	24.8	1,074

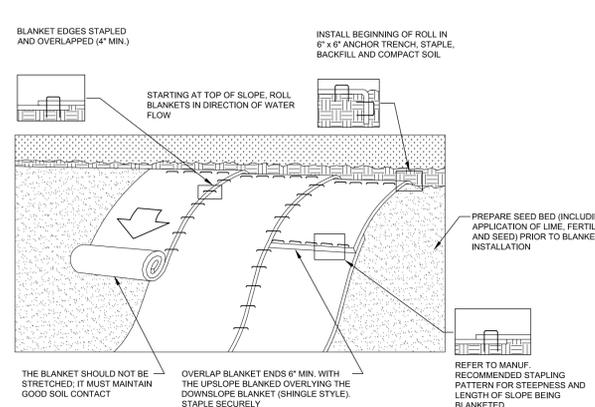
SOIL AMENDMENT	PERMANENT SEEDING APPLICATION RATE		NOTES
	PER ACRE	PER 1,000 SQ. FT.	
AGRICULTURAL LIME	6 TONS	240 LB.	OR AS PER SOIL TEST, MAY NOT BE REQUIRED IN AGRICULTURAL FIELDS
10-20-20 FERTILIZER	1,000 LB.	25 LB.	OR AS PER SOIL TEST, MAY NOT BE REQUIRED IN AGRICULTURAL FIELDS
TEMPORARY SEEDING APPLICATION RATE			
AGRICULTURAL LIME	1 TON	40 LB.	TYPICALLY NOT REQUIRED FOR TOPSOIL STOCKPILES
10-10-10 FERTILIZER	500 LB.	12.5 LB.	TYPICALLY NOT REQUIRED FOR TOPSOIL STOCKPILES

NOTE: A COMPOST BLANKET WHICH MEETS THE REQUIRED STANDARDS MAY BE SUBSTITUTED FOR THE SOIL AMENDMENTS SHOWN IN TABLE 11.2.

3	C401	SEEDING SPECIFICATIONS
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<b>RECYCLING/DISPOSAL OF WASTE</b>		
UPON COMPLETION OF THE PROJECT, RECYCLING OR DISPOSAL OF ALL WASTE MATERIALS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONSTRUCTION WASTE INCLUDES, BUT IS NOT LIMITED TO, EXCESS SOIL MATERIALS, SILT REMOVED FROM EROSION CONTROL FACILITIES, EXCESS BUILDING MATERIALS, CONCRETE WASH WATER, SANITARY WASTES, AND OBSOLETE EROSION CONTROL MATERIALS (SILT FENCE, SILT SACKS, ETC.).		
SILT REMOVED FROM SEDIMENT CONTROL FACILITIES SHALL BE SPREAD ON THE TOPSOIL STOCKPILE, OR IN LAWN OR LANDSCAPE AREAS. OBSOLETE EROSION CONTROL MATERIALS AND EXCESS BUILDING MATERIALS MUST BE DISPOSED OF AT A DEP APPROVED SITE.		

4	C401	RECYCLING / DISPOSAL OF WASTES
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- NOTES:**
- SEED AND SOIL AMENDMENTS SHALL BE APPLIED ACCORDING TO THE RATES IN THE PLAN DRAWINGS PRIOR TO INSTALLING THE BLANKET.
  - PROVIDE ANCHOR TRENCH AT TOE OF SLOPE IN SIMILAR FASHION AS AT TOP OF SLOPE.
  - SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS, AND GRASS.
  - BLANKET SHALL HAVE GOOD CONTINUOUS CONTACT WITH UNDERLYING SOIL THROUGHOUT ENTIRE LENGTH. LAY BLANKET LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH SOIL. DO NOT STRETCH BLANKET.
  - THE BLANKET SHALL BE STAPLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
  - BLANKETED AREAS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT UNTIL PERENNIAL VEGETATION IS ESTABLISHED TO A MINIMUM UNIFORM 70% COVERAGE THROUGHOUT THE BLANKETED AREA. DAMAGED OR DISPLACED BLANKETS SHALL BE RESTORED OR REPLACED WITHIN 4 CALENDAR DAYS.

5	C401	EROSION CONTROL BLANKET
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**INSPECTION AND MAINTENANCE SCHEDULE**

CONTROL MEASURE	INSPECT	PROBLEMS TO LOOK FOR	POSSIBLE REMEDIES
VEGETATION	WEEKLY AND AFTER EVERY RUNOFF EVENT	SEDIMENT AT TOE OF SLOPE  RILLS AND GULLIES FORMING  BARE SOIL PATCHES	CHECK FOR TOP-OF-SLOPE DIVERSION AND INSTALL IF NEEDED.  FILL RILLS AND REGRADE GULLIED SLOPES.  RESEED, FERTILIZE, AND MULCH BARE AREAS.
COMPOST FILTER SOCK	WEEKLY AND AFTER EVERY RUNOFF EVENT	SEDIMENT ACCUMULATION ON UPSTREAM SIDE  PONDING WATER	REMOVE SEDIMENT WHEN LEVEL REACHES HALF OF THE EFFECTIVE HEIGHT  REMOVE SEDIMENT OR ADD ADDITIONAL SILT/SOAX TO REDUCE SLOPE LENGTH
COMPOST SOCK CONCRETE WASHOUT AREA	DAILY	DAMAGED OR LEAKING WASHOUTS  MATERIAL ACCUMULATION	REPAIR OR REPLACE IMMEDIATELY  REMOVE MATERIAL WHEN 50% CAPACITY IS REACHED

- ALL MAINTENANCE INSPECTIONS SHALL BE LOGGED ONTO DEP FORM # 3800-FM-BCW0271D, DATED 05/2018, AND KEPT ON THE SITE AT ALL TIMES.
- ALL REPAIRS TO BE COMPLETED WITHIN 24 HOURS OF DISCOVERY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL TEMPORARY CONTROL MEASURES DURING CONSTRUCTION.
- ALL DEVICES SHOULD BE INSPECTED WEEKLY AND AFTER EVERY RUNOFF EVENT. IF, DURING THESE INSPECTIONS, ANY DEVICE IS FOUND TO BE CLOGGED, DAMAGED, HALF-FULL OR NOT FULLY OPERATIONAL, THE DEVICE(S) SHALL BE CLEANED OF ALL DEBRIS.
- UPON COMPLETION OF THE PROJECT, RECYCLING OR DISPOSAL OF ALL TEMPORARY EROSION CONTROL MATERIALS SHALL BE THE RESPONSIBILITY OF THE EARTHWORK CONTRACTOR.
- CONSTRUCTION WASTE INCLUDES, BUT IS NOT LIMITED TO, EXCESS SOIL MATERIALS, SILT REMOVED FROM EROSION CONTROL FACILITIES, EXCESS BUILDING MATERIALS, CONCRETE WASH WATER, SANITARY WASTES, AND OBSOLETE EROSION CONTROL MATERIALS (SILT FENCE, SILT SACKS, ETC.). OBSOLETE EROSION CONTROL MATERIALS AND EXCESS BUILDING MATERIALS MUST BE DISPOSED OF AT A DEP APPROVED SITE.
- SILT REMOVED FROM SEDIMENT CONTROL FACILITIES SHALL BE SPREAD ON THE TOPSOIL STOCKPILE, OR IN LAWN OR LANDSCAPE AREAS.

6	C401	MAINTENANCE SCHEDULE
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**CLEAN FILL AND ENVIRONMENTAL DUE DILIGENCE:**

**ENVIRONMENTAL DUE DILIGENCE** MEANS PERFORMING INVESTIGATIVE TECHNIQUES FOR THE IMPORTED MATERIAL.

No.	Date
01	
02	
03	
04	
05	
06	
07	
08	

**CREATIVE ANALYTIC PLAY SPACE AT BRASHEAR**  
130 BAUSMAN STREET  
PITTSBURGH, PA 15210  
PREPARED FOR:  
**THE BRASHEAR ASSOCIATION**  
320 BROWNSVILLE ROAD  
PITTSBURGH, PA 15210

EROSION AND SEDIMENT CONTROL DETAILS  
Project Number: C-46921-0001  
Drawing Scale: N.T.S.  
Date Issued: MARCH 2025  
Index Number: --  
Drawn By: APK  
Checked By: --  
Project Manager: CRJ

**TABLE 4.1**  
**COMPOST SOCK FABRIC MINIMUM SPECIFICATIONS**

MATERIAL TYPE	3 mil HDPE	5 mil HDPE	5 mil HDPE	MULTI-FILAMENT POLYPROPYLENE (MFPP)	HEAVY DUTY MULTI-FILAMENT POLYPROPYLENE (HDMFPP)
MATERIAL CHARACTERISTICS	PHOTO-DEGRADABLE	PHOTO-DEGRADABLE	BIO-DEGRADABLE	PHOTO-DEGRADABLE	PHOTO-DEGRADABLE
SOCK DIAMETERS	12" 18"	12" 18" 24" 32"	12" 18" 24" 32"	12" 18" 24" 32"	12" 18" 24" 32"
MESH OPENING	3/8"	3/8"	3/8"	3/8"	3/8"
TENSILE STRENGTH		26 PSI	26 PSI	44 PSI	202 PSI
ULTRAVIOLET STABILITY % ORIG. STRENGTH (ASTM G-155)	23% AT 1000 HR.	23% AT 1000 HR.		100% AT 1000 HR.	100% AT 1000 HR.
MINIMAL FUNCTIONAL LONGEVITY	6 MONTHS	9 MONTHS	6 MONTHS	1 YEAR	2 YEARS

**TWO-PLY SYSTEMS**

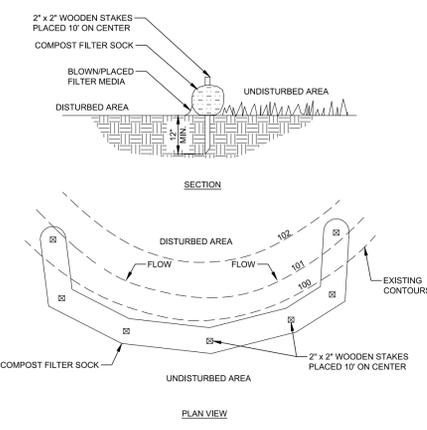
INNER CONTAINMENT NETTING	HDPE BIAXIAL NET
	CONTINUOUSLY WOUND FUSION-WELDED JUNCTURES
OUTER FILTRATION MESH	COMPOSITE POLYPROPYLENE FABRIC (WOVEN LAYER AND NON-WOVEN FLEECE MECHANICALLY FUSED VIA NEEDLE PUNCH)
	3/4" x 3/4" MAX. APERTURE SIZE

SOCK FABRICS COMPOSED OF BURLAP MAY BE USED ON PROJECTS LASTING 6 MONTHS OR LESS.

**TABLE 4.2**  
**COMPOST STANDARDS**

ORGANIC MATTER CONTENT	25% - 100% (DRY WEIGHT BASIS)
ORGANIC PORTION	FIBROUS AND ELONGATED
pH	5.5 - 8.5
MOISTURE CONTENT	30% - 60%
PARTICLE SIZE	30% - 50% PASS THRU 3/8" SIEVE
SOLUBLE SALT CONCENTRATION	5.0 dS/m (mmhos/cm) MAXIMUM

Sock No.	Dia. In.	Location	Slope Percent	Slope Length Above Barrier (FT)
1	18	See Sheet C400	14.9	114
2	18	See Sheet C400	14.7	116
3	12	See Sheet C400	20.7	58
4	12	See Sheet C400	13.5	74
5	12	See Sheet C400	9.4	64
6	12	See Sheet C400	13.3	30
7	12	See Sheet C400	9.7	62
8	12	See Sheet C400	8.0	50
9	12	See Sheet C400	7.7	26
10	12	See Sheet C400	20.0	10
11	12	See Sheet C400	15.0	20
12	12	See Sheet C400	12.5	40
13	12	See Sheet C400	12.0	50
14	12	See Sheet C400	12.5	64
15	12	See Sheet C400	11.9	84
16	12	See Sheet C400	11.2	98



**NOTES:**

SOCK FABRIC SHALL MEET STANDARDS OF TABLE 4.1 OF THE PA DEP EROSION CONTROL MANUAL. COMPOST SHALL MEET THE STANDARDS OF TABLE 4.2 OF THE PA DEP EROSION CONTROL MANUAL.

COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE BARRIER SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN BARRIER ALIGNMENT. MAXIMUM SLOPE LENGTH ABOVE ANY BARRIER SHALL NOT EXCEED THAT SPECIFIED FOR THE SIZE OF THE SOCK AND THE SLOPE OF ITS TRIBUTARY AREA.

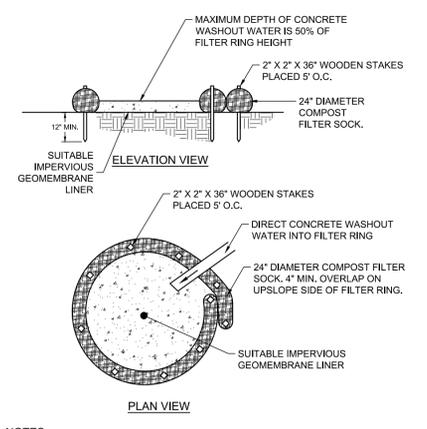
TRAFFIC SHALL NOT BE PERMITTED TO CROSS COMPOST FILTER SOCKS.

ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/2 THE ABOVE GROUND HEIGHT OF THE BARRIER AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN.

COMPOST FILTER SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.

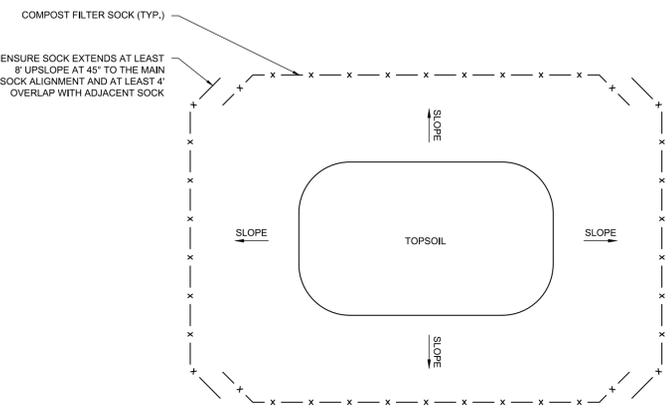
BIODEGRADABLE COMPOST FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS. PHOTO-DEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCK STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.



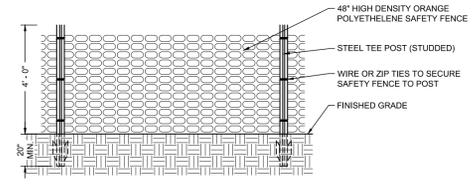
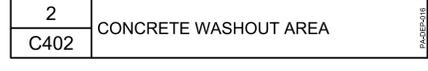
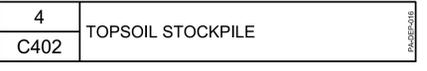
**NOTES:**

- INSTALL ON FLAT GRADE FOR OPTIMAL PERFORMANCE.
- 18" DIAMETER FILTER SOCK MAY BE STACKED ONTO DOUBLE 24" DIAMETER SOCKS IN PYRAMIDAL CONFIGURATION FOR ADDED HEIGHT.
- A SUITABLE IMPERVIOUS GEOMEMBRANE LINER SHALL BE PLACED AT THE LOCATION PRIOR TO THE INSTALLING THE SOCKS.



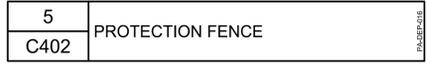
**NOTES:**

- TOPSOIL STOCKPILE LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR DURING CONSTRUCTION PER SITE PHASING. ADDITIONAL COORDINATION WITH THE ALLEGHENY COUNTY CONSERVATION DISTRICT MAY BE REQUIRED FOR APPROVAL OF STOCKPILE LOCATIONS.
- THE AREA DOWNSLOPE FROM THE COMPOST FILTER SOCK MAY NOT BE UNDER DEVELOPMENT OR OTHERWISE DISTURBED, UNLESS DOWNSLOPE PERIMETER BMPs ARE PROVIDED.
- ENSURE DOWNSLOPE COVERAGE ON ALL SIDES OF TOPSOIL STOCKPILE.
- COMPOST FILTER SOCK SIZE SHALL BE PROVIDED IN ACCORDANCE WITH FIGURE 4.2.



**NOTES:**

- ORANGE CONSTRUCTION FENCE SHALL BE PLACED AROUND ALL ENVIRONMENTAL FEATURES TO BE PROTECTED ON THE SITE.
- SAFETY FENCE SHOULD BE FASTENED SECURELY TO THE T-POSTS.
- THE FENCING MUST REMAIN IN PLACE DURING ALL PHASES OF CONSTRUCTION. ANY CHANGE OF THE PROTECTIVE FENCING MUST BE APPROVED.

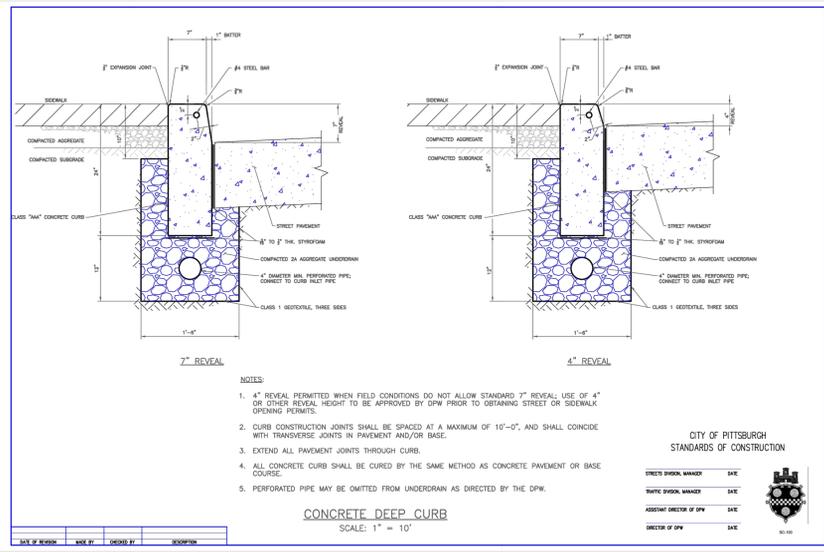


**SITE SOIL TYPES:**

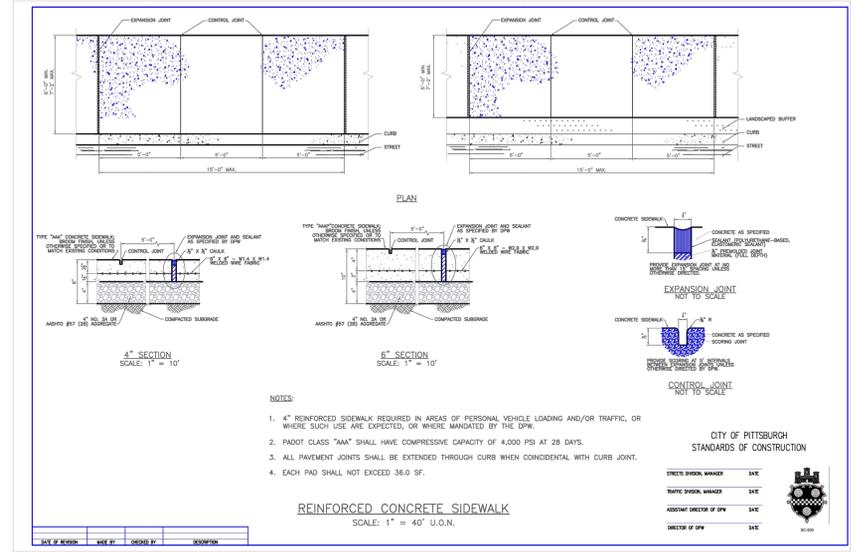
SOIL TYPE	SLOPE	LIMITATIONS	REMEDIAL ACTIONS
UGD (URBAN LAND-GUERNEY COMPLEX)	MODERATELY STEEP	<ul style="list-style-type: none"> <li>CUTBANKS MAY CAVE</li> <li>CORROSIVE TO CONCRETE OR STEEL</li> <li>EASILY ERODIBLE</li> <li>SEASONAL HIGH WATER TABLE</li> <li>HYDRIC INCLUSIONS</li> <li>LANDSLIDE PRONE</li> <li>POOR SOURCE OF TOPSOIL</li> <li>FROST ACTION</li> <li>POTENTIAL SINKHOLE</li> <li>WETNESS</li> </ul>	<p>SOILS SUSCEPTIBLE TO CUTBANKS CAVE:</p> <ul style="list-style-type: none"> <li>PREVENT SATURATION OF SLOPES.</li> <li>PROVIDE ANCHORING OR RETAINING SYSTEMS.</li> <li>PROVIDE BENCHING TO CATCH FALLING DEBRIS.</li> <li>PROVIDE TRENCH BOXES FOR UTILITY INSTALLATION.</li> <li>SOILS SUSCEPTIBLE TO HIGH WATER TABLES AND/OR PIPING AND SEEPING:</li> <li>PROVIDE PUMPED WATER SEDIMENT REMOVAL FACILITIES</li> <li>USE CLAY EMBANKMENT CORES.</li> <li>UTILIZE ANTI-SEEP COLLARS OR GRAVEL PACKS.</li> <li>KEEP EXCAVATIONS AS SHALLOW AS PRACTICAL</li> <li>CONSTRUCT DURING DRY WEATHER.</li> </ul> <p>SOILS SUSCEPTIBLE TO MODERATE OR HIGH EROSION POTENTIAL:</p> <ul style="list-style-type: none"> <li>LIMIT TIME OF EXPOSURE.</li> <li>USE EROSION CONTROL BLANKETS AND INSTALL BMPs PRIOR TO DISTURBANCE.</li> <li>SELECTION OF SEED MIXTURES WITH RAPIDLY GERMINATING SPECIES.</li> <li>SODDING</li> <li>USE OF SPECIAL STABILIZATION PRODUCTS (E.G. CELLULAR GRIDS, INTERLOCKING CONCRETE BLOCKS...)</li> </ul> <p>SOILS SUSCEPTIBLE TO SLIPS &amp; LANDSLIDES:</p> <ul style="list-style-type: none"> <li>PREVENT SATURATION OF SLOPES.</li> <li>PROVIDE ANCHORING OR RETAINING SYSTEMS.</li> <li>PROVIDE BENCHING TO CATCH FALLING DEBRIS.</li> <li>SEE GEOTECHNICAL NOTE BELOW.</li> </ul> <p>SOILS THAT ARE POOR SOURCES OF TOPSOIL:</p> <ul style="list-style-type: none"> <li>IMPORT TOPSOIL AS NEEDED.</li> <li>PERFORM SOIL TESTS TO DETERMINE PROPER APPLICATION OF SOIL AMENDMENTS AND PROPER MOISTURE CONTENT FOR PROPOSED VEGETATIVE COVER.</li> </ul>

A GEOTECHNICAL ENGINEER WILL REVIEW THE SOIL CAPABILITY OF THE SITE AND MAKE RECOMMENDATIONS TO THE OWNER. SOILS HAVING UNSTABLE COMPOSITION, SLIP AND LANDSLIDE POTENTIAL ARE NOT TO BE PLACED AS FILL MATERIAL AT AREAS HAVING 2:1 SLOPES OR NEAR PROXIMITY TO SUCH SLOPES. LOADING PLANES OF SUCH PLACED FILLS SHALL BEAR ON SUITABLE SOILS KEYED INTO VIRGIN SOILS. REFER TO CUT/FILL DETAILS ON PLANS. ALL CUT SITUATIONS THAT EXPOSE SUCH SOILS TO UNSUPPORTED BEARING BASE REQUIRES THOSE SOILS TO BE EXCAVATED AND REPLACED WITH SUITABLE SOILS THAT DO NOT HAVE THE MENTIONED CHARACTERISTICS.

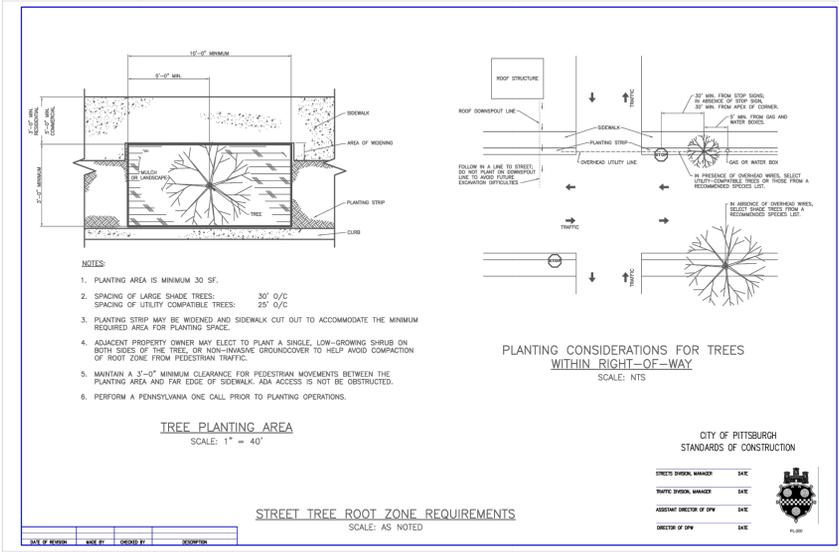




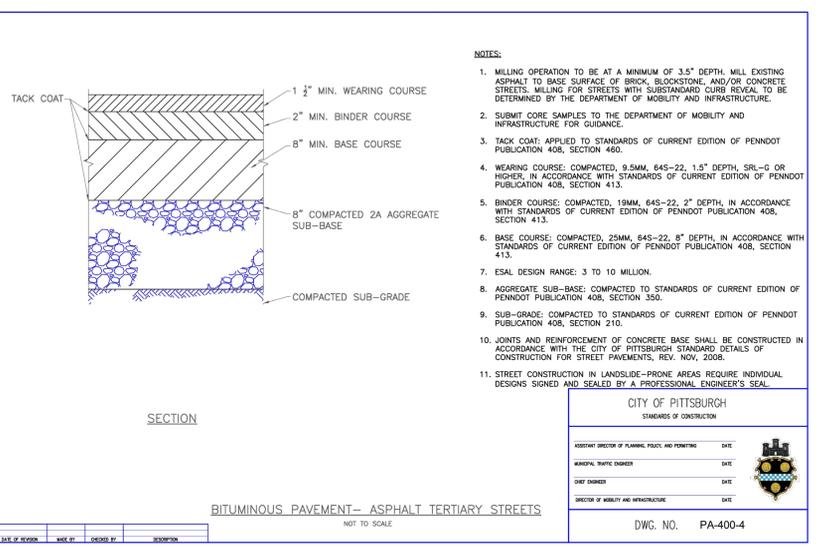
**1** CONCRETE DEEP CURB (CITY OF PITTSBURGH ROW)  
**C600**



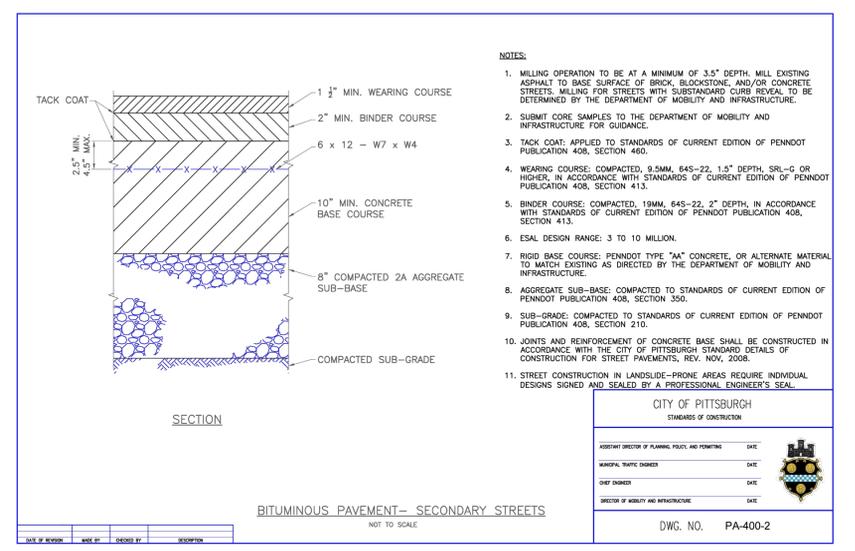
**2** REINFORCED CONCRETE SIDEWALK (CITY OF PITTSBURGH ROW)  
**C600**



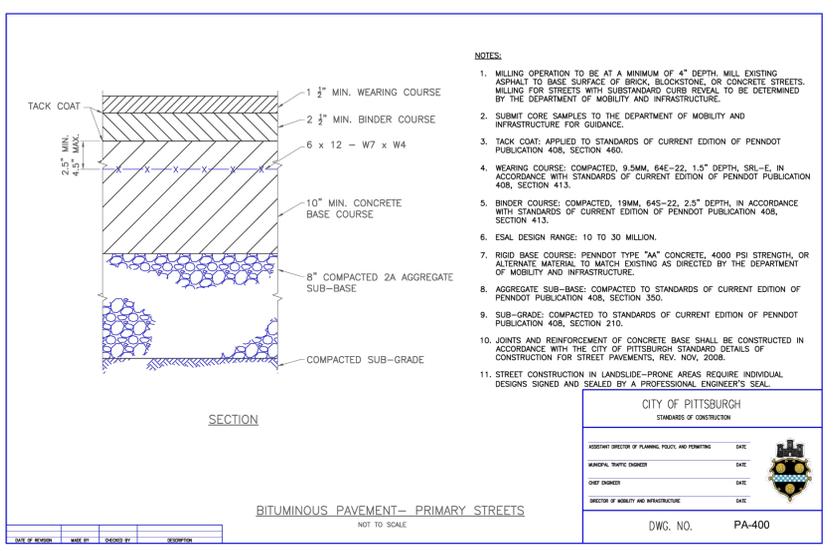
**3** STREET TREES (CITY OF PITTSBURGH ROW)  
**C600**



**4** BITUMINOUS PAVEMENT (TERTIARY) (CITY OF PITTSBURGH ROW)  
**C600**



**5** BITUMINOUS PAVEMENT (SECONDARY) (CITY OF PITTSBURGH ROW)  
**C600**



**6** BITUMINOUS PAVEMENT (PRIMARY) (CITY OF PITTSBURGH ROW)  
**C600**

**REVISION RECORD**

No.	Date
01	
02	
03	
04	
05	
06	
07	
08	

**CREATIVE ANALYTIC PLAY SPACE AT BRASHEAR**  
130 BAUSMAN STREET  
PITTSBURGH, PA 15210  
PREPARED FOR:  
**THE BRASHEAR ASSOCIATION**  
320 BROWNSVILLE ROAD  
PITTSBURGH, PA 15210

**CONSTRUCTION DETAILS**  
Project Number: C-46921-0001  
Drawing Scale: N.T.S.  
Date Issued: MARCH 2025.  
Index Number: -  
Drawn By: APK  
Checked By: -  
Project Manager: CRJ  
**C600**





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STEPHANIE K. LEWIS

(412)584-5015

June 17, 2025

The Gateway Engineers, Inc  
100 McMorris Road  
Pittsburgh, PA 15205

**Re: *Brashear Community Parklet***

Gabriel Salgado:

Columbia Gas of Pennsylvania operates and maintains a 4-inch steel mainline and a service line along Grape St and two steel mainlines (6-inch and 8-inch) along Bausman St. Based on the supplied map, the proposed encroachments do not conflict with Columbia's lines. We reserve the right to perform maintenance on our pipeline should the need arise. All excavation must follow the PA One-Call law to prevent any damage. Please reach out if there will be further encroachment along Grape St or Bausman Av or if a conflict arises during construction of the project.

Feel free to contact me at the above phone number should you have any questions.

Sincerely,



Stephanie K. Lewis  
Field Engineering Leader



**Ian Angelo**  
*Engineering*

2345 New Beaver Ave. Pittsburgh Pa 15233 | Mail Drop PA-TD  
Tel 412-393-2880 | Email: [iangelo@duqlight.com](mailto:iangelo@duqlight.com)

**VIA EMAIL: Gabriel Salgado <[gsgalado@gatewayengineers.com](mailto:gsgalado@gatewayengineers.com)>**

**Re: 130 Bausman St, Pittsburgh Pa 15210  
Encroachment Permit Letter - Duquesne Light**

To whom it may concern,

Duquesne Light has reviewed this request, and we have no issues. Based on your plans, there is no encroachment on DLC facilities. Please be aware that DLC does have overhead facilities in the area.

You cannot encroach DLC's facilities within required clearances per applicable NESC codes and OSHA standards and all other applicable codes and regulations while performing any work in the vicinity. For complete electrical service installation rules, please go to [Duquesnelight.com](http://Duquesnelight.com) > Construction and Renovation > Electric Installation Rules

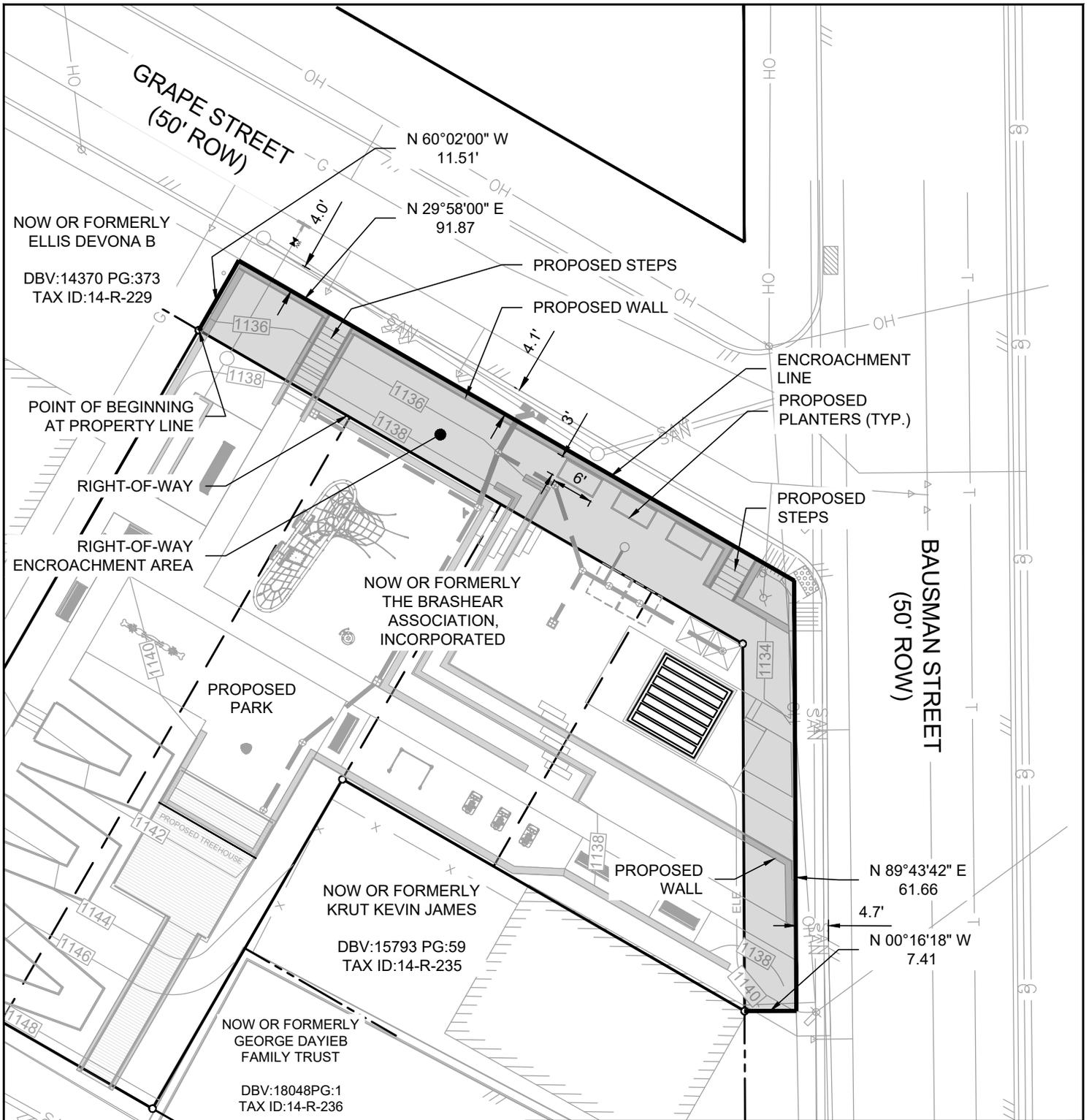
This letter is not intended as a full recitation of the facts or a complete review of applicable law. Nothing contained in or omitted from this letter is or shall be deemed to be a limitation, restriction, modification, or waiver of any of Duquesne Light's rights or remedies, either at law or in equity, in connection with any of the matters raised, all of which are expressly reserved.

Sincerely,

A handwritten signature in black ink that reads 'Ian Angelo'.

**Ian Angelo**  
*Supervisor, Distribution Engineering*  
412.393.2880 (Office)  
[iangelo@duqlight.com](mailto:iangelo@duqlight.com)

Duquesne Light Company  
2645 New Beaver Avenue, Pittsburgh, Pa 15233  
[DuquesneLight.com](http://DuquesneLight.com)



GRAPHIC SCALE



( IN FEET )  
1 inch = 20 ft.

P.M. CRJ D.B. GDS C.B. CRJ



Consulting Engineers & Surveyors  
100 McMORRIS ROAD, PITTSBURGH, PA 15205  
Phone (412) 921-4030 - Fax (412) 921-9960

EXHIBIT PLAN  
FOR ENCROACHMENT PERMIT

SITUATE IN  
30TH WARD - CITY OF PITTSBURGH  
ALLEGHENY COUNTY, PA  
MADE FOR  
BRASHEAR COMMUNITY DREAM PARK  
THE BRASHEAR ASSOCIATION  
C-46921-0001

DATE: AUGUST 2025

SCALE: 1" = 20'

DWG. NO.: EX-3



Jill Marie Groves  
TEL 412.258.4691  
MOBILE 412.588.4219  
[jill.groves@peoples-gas.com](mailto:jill.groves@peoples-gas.com)

May 21, 2025

Kimberly Lucas, Director  
Department of Mobility and Infrastructure  
City of Pittsburgh  
611 Second Avenue  
Pittsburgh, PA 15219

RE: Encroachment: Proposed Wall, Steps and Planters  
Located at the intersection of Grape Street. and Bausman Street  
30th Ward, City of Pittsburgh

Dear Ms. Lucas:

This letter is in response to a request that Peoples Natural Gas Company (Peoples) received from The Gateway Engineers, Inc. regarding an encroachment for proposed wall, steps and planters, at the above-referenced location.

Based on the project drawings provided to Peoples, the existing encroachment does not interfere with our gas facilities in this area.

Peoples has no objection to the proposed encroachment.

Sincerely,

*Jill Marie Groves*

Jill Marie Groves  
Land Department

**To:** Kim Lucas, Director of the Department of Mobility and Infrastructure  
**From:** William J. Pickering, Pittsburgh Water Chief Executive Officer  
**Date:** 6/3/2025  
**Subject:** Proposed Encroachment at 130 Bausman Street

The following is in response to the attached 5/29/2025 request regarding the encroachment at 130 Bausman Street in the 30th Ward of the City of Pittsburgh.

1. The Water Mapping (attached) indicates that there are no water facilities within the area of the proposed encroachment.
2. The Sewer Mapping (attached) indicates that there is an 8" combined sewer main within one (1) foot of the proposed encroachment area.

Please note, Pittsburgh Water does not maintain records of sewer service laterals and the property owner is responsible for maintenance. We cannot confirm if the private service lateral will be affected.

Proposed planters are to remain detached so that they can be easily moved in the case of an emergency or planned work.

*Pittsburgh Water has no objection to the proposed encroachment under the conditions set forth above.*

JMA

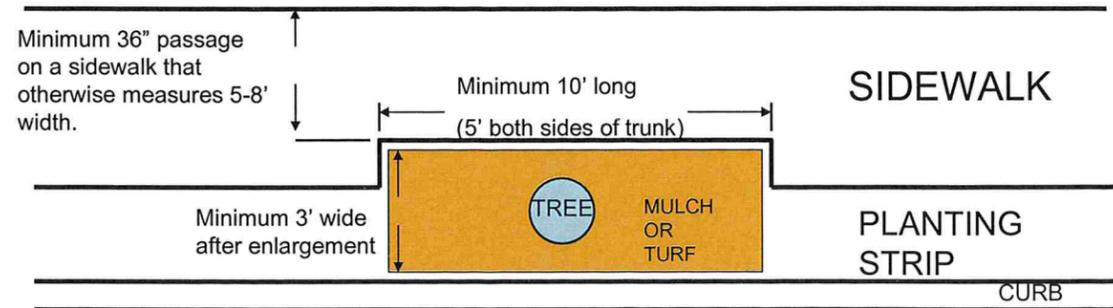
Attachment



## Street Tree Root Zone Requirements

A minimum 3' X 10' planting space is required for trees planted along Pittsburgh streets. Often this necessitates widening existing sidewalk concrete next to a planting strip, or a complete cutout where only concrete exists.

By providing space to establish roots, and allowing for adequate air and water, this size of root zone will help to ensure a longer, more beneficial life for street trees. A root zone larger than the minimum 3' X 10' is desirable where space permits.



Adjacent property owner may elect to plant a single, low-growing shrub on both sides of the tree, or a non-invasive groundcover. This will help avoid root zone compaction by pedestrians.

## Title 4. Public Places and Property

### Article XIII. Trees

#### CHAPTER 483. Care and Maintenance

##### § 483.06. Open Space Around Base.

[Ord. 21-2004, § 23, eff. 12-2-2004; Ord. No. 17-2008, § 1, eff. 9-8-2008]

There shall be maintained about the base of the trunk of each tree in City rights of way thirty (30) square feet of open ground, with no one (1) dimension of that open space being less than three (3) feet. The Department of Public Works shall have the discretion to allow for an open space of less than thirty (30) square feet of open ground in instances where a sidewalk is less than seventy-four (74) inches wide and mitigating measures to assure the health of the tree, including but not limited to irrigation and pervious surfaces, are in place. Where any tree in or upon any public place is surrounded at the base of its trunk by ground which is not open, or by open ground of less quantity or measurement than required by this section, it shall be the duty of the Department of Public Works to notify the owner of the property on or in front of which any tree may be, to remove within a time fixed in the notice, so much of the cement, brick or other covering as may be necessary to give the space of open ground required herein. If the person notified fails to remove the covering by the time fixed, the Department may perform the work and charge the person notified for the work done.

#### Sidewalk Replacement

For

850 PENNSYLVANIA AVENUE LLC

PITTSBURGH, PA 15233

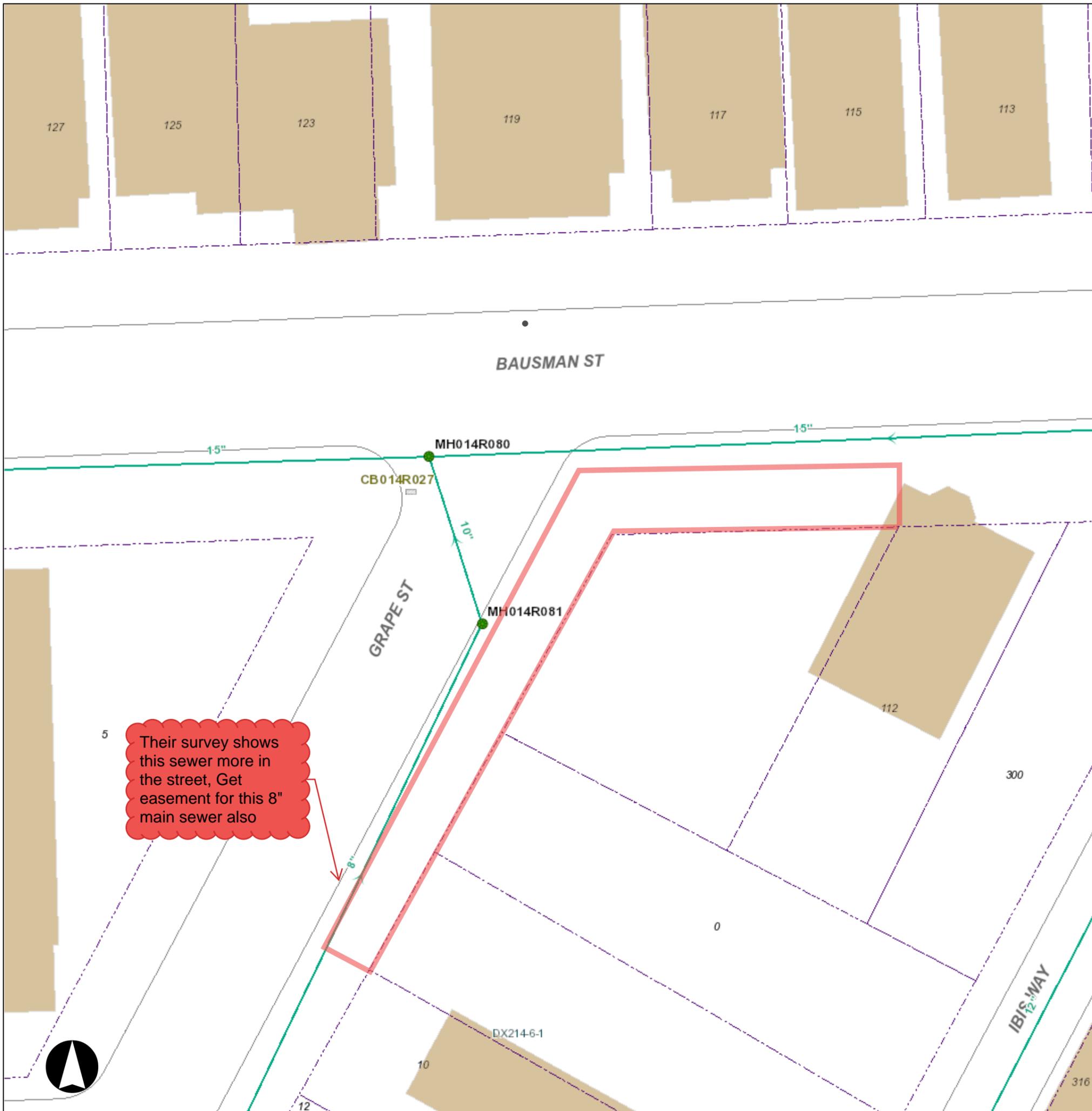
Located at

850 Pennsylvania Ave

Brighton Place and Jacksonia St

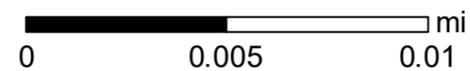
Pittsburgh, Pa 15233

# 130 Bausman St



## Legend

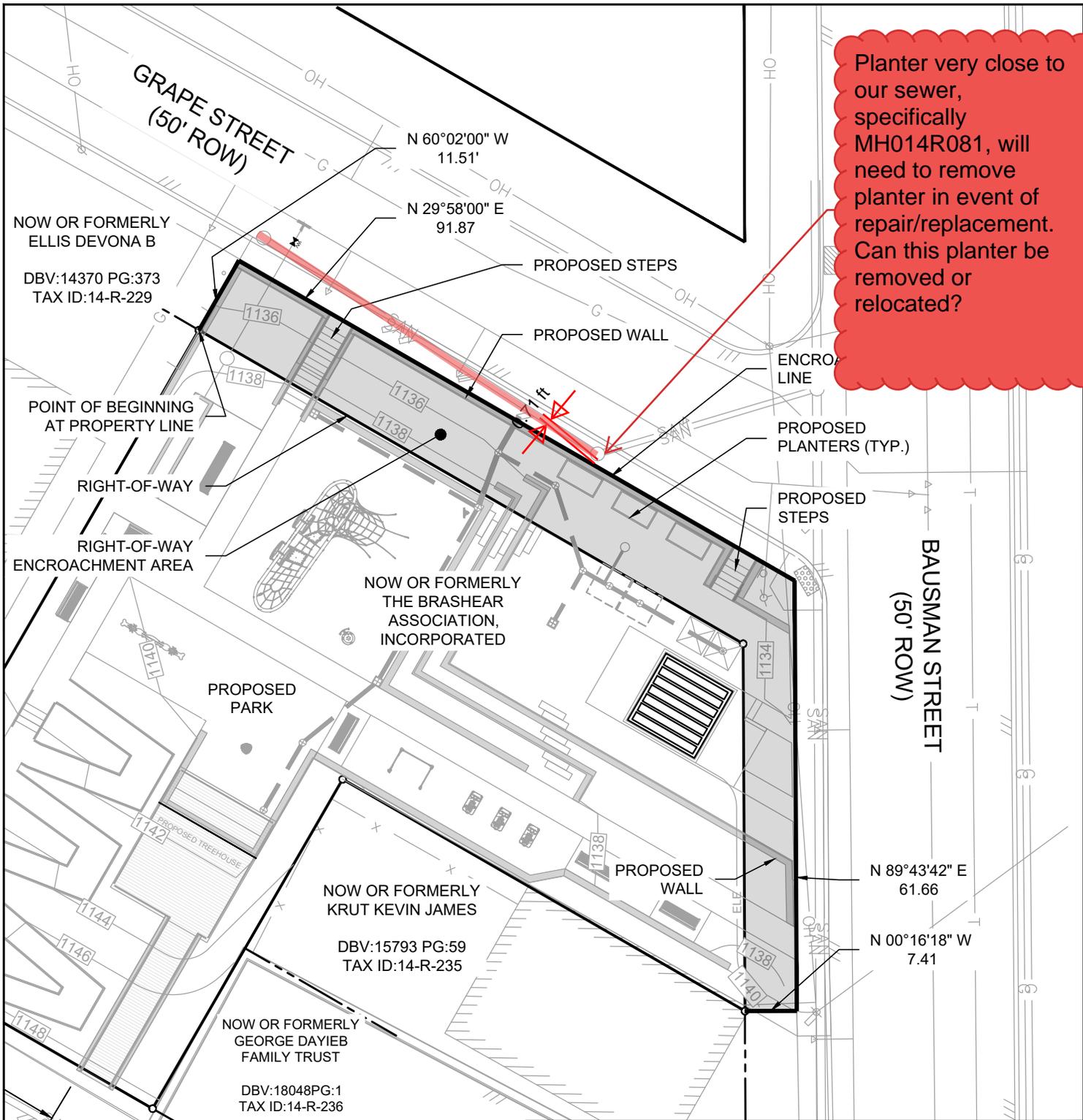
WATER		SEWER	
	Meter		Pressure Monitoring Station
	Curb Box		Water Manhole
	Water System Pump		Rising Main
	Hydrant		Supply Main
	System Valve		Transmission Main
	Dividing Pressure Valve		Distribution Main
	Coupling		Hydrant Branch
	Tee		Private Main
	Cross		Manhole
	Reducer		Junction
	End Cap		Inlet
	Wash Out		Private Inlet
			Outfall
			End Cap
			Sewer Pump Station
			Combined Sewer
			Sanitary Sewer
			Storm Sewer
			Regulated Combined Sewer
			Overflow Sewer
			Interceptor
			Sewer Force Main
			Private Sewer
			Undefined Sewer
			Green Infrastructure Underground Facilities



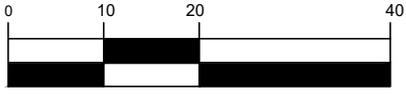
Neither the City of Pittsburgh ("City") nor Pittsburgh Water & Sewer Authority ("Pittsburgh Water") guarantees the accuracy of any of the information hereby made available, including but not limited to, information concerning the location and condition of underground structures. The City and Pittsburgh Water assume no responsibility for any conclusions or interpretations made on the basis of such information. The City and Pittsburgh Water assume no responsibility for any understanding or representations made by their agents or employees unless such understanding or representations are expressly set forth in a duly authorized written document, and such document expressly provides that responsibility therefor is assumed by the City or Pittsburgh Water.

Date: 5/29/2025

Planter very close to our sewer, specifically MH014R081, will need to remove planter in event of repair/replacement. Can this planter be removed or relocated?



GRAPHIC SCALE



( IN FEET )  
1 inch = 20 ft.



Consulting Engineers & Surveyors  
100 McMORRIS ROAD, PITTSBURGH, PA 15205  
Phone (412) 921-4030 - Fax (412) 921-9960

EXHIBIT PLAN  
FOR ENCROACHMENT PERMIT  
SITUATE IN  
30TH WARD - CITY OF PITTSBURGH  
ALLEGHENY COUNTY, PA  
MADE FOR  
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C-46921-0001

P.M. CRJ D.B. GDS C.B. CRJ

DATE: MAY, 2025

SCALE: 1" = 20'

DWG. NO.: EX-3

**2 Grape St** ⋮  
Pittsburgh, Pennsylvania  
 Google Street View  
Oct 2022 [See more dates](#)

