



January 06, 2022

Re: Moorhead Blast Film and Bollard Project

Director Lucas,

The United States General Services Administration (GSA) is proposing security improvements to the Moorhead Federal Building at 1000 Liberty Avenue in compliance with Federal Regulations. Due to site limitations many of the physical barriers are required to be placed within the public right-of-way requiring approval by the Department of Mobility and Infrastructure (DOMI) for an Encroachment Plan. The proposed improvements also require approval by the City of Pittsburgh Art Commission. We ask you consider the need for the security improvements detailed below and provide a letter of support for the Moorhead Blast Film and Bollard design project to the Art Commission as required by their review process for work within the right-of-way.

Following the aftermath of the Oklahoma City Federal Building bombing in 1995, the Department of Justice was directed to assess the vulnerability of federal facilities. Titled "Vulnerability Assessment of Federal Facilities," this report gave specific reference to perimeter security, including physical barriers. Since the executive action in 1995, the following has been established for the Moorhead Federal Building:

- 1) Application of Interagency Security Committee (ISC) security standards that were developed for federal facilities after the Oklahoma City Federal Building bombing in 1995.
- 2) A building-specific security assessment that was performed by the DHS Federal Protective Service at the Moorhead Building in 2015 and again in 2017.
- 3) Detailed discussion and consultation within the Moorhead Federal Building's Facility Security Committee (FSC), which includes representatives from each federal agency that occupies the building. This discussion was followed by a formal vote from the FSC which had the effect of authorizing and directing GSA to pursue these security mitigations.

In 2017, GSA commissioned ONYX to evaluate the site and develop a basis of design for the Moorhead Building based upon an explicit and formally structured process for managing federal facility security risks. With these criteria informing our basis of design, we have been working to find the best solution for our site.

GSA proposes vehicle barriers to protect the Moorhead Federal Building within the right-of-way of Grant Street, Liberty Avenue and William Penn Place. The improvements within the Grant Street right-of-way include the four (4) feet tall shallow mount bollards meeting anti-ram requirements while matching the aesthetic appearance of the previously installed three (3) feet tall bollard barriers with a decorative cover. The shallow mount passive bollard foundations and all new sidewalks will be topped with rustic terrazzo topping to match existing adjacent sidewalks. All sidewalks will be constructed in accordance with DOMI specifications. Bollards will be spaced to allow ADA accessibility.

The improvements proposed for the Liberty Avenue right-of-way include four (4) feet tall shallow mount bollards meeting anti ram requirements. The bollards will be made of steel tubing protected with a two-step powder coating process to prevent long term corrosion and match the building appearance. In addition, a shallow mount post and rail passive barrier will be installed to

span existing underground utility vaults. The posts and rails will match the passive bollards in appearance. The foundations for both types of barriers will be installed such that the composition of the existing sidewalk will be replaced. Foundations and new sidewalk will be composed of exposed aggregate in accordance to DOMI requirements or the existing brick paver surface will be restored. The bollards will be spaced to maintain ADA accessibility along the sidewalk path of travel. The ADA ramp at the intersection of Liberty Avenue and William Penn Place will be reconstructed to meet ADA requirements.

The improvements proposed for William Penn Place include a continuation of the shallow mount passive bollards from Liberty Avenue. An existing fire hydrant will be rotated 45 degrees to allow access to the individual nozzles while maintaining the distance between barriers to provide anti-ram protection for the building. A shallow mount swing gate is proposed to allow maintenance vehicles within the anti-ram perimeter of the facility.

Final improvements for the William Penn Place right-of-way include brick pavers to match the existing sidewalk, and all sidewalk improvements are in accordance with DOMI requirements. The concrete sidewalk will include an exposed aggregate surface. Where necessary, the existing cobblestones will be removed, salvaged and reinstalled.

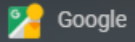
As discussed previously, this is a high priority project for our team, and we ask for your help in driving this project forward. We would greatly appreciate your timely review through the Encroachment Plan process and composition of a letter of support to the Art Commission.

Since we had previously been working through this process with Director Ricks and the DOMI team for the past year and a half, there is lengthy history of review, but we will be happy to provide any additional information you may need.

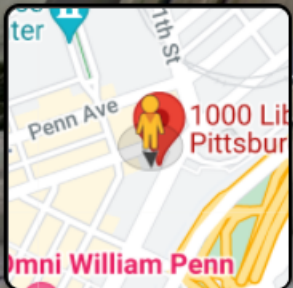
If you or your team would like any additional information from the GSA team or our design team, please let me know.

Sincerely,  
Gabrielle Trout, P.E.  
Sr. Project Engineer  
GSA Design and Construction Division (3PCN)  
100 S Independence Mall West  
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1001 Liberty Ave  
Pittsburgh, Pennsylvania



Street View - Jul 2019



Google



# U.S. GENERAL SERVICES ADMINISTRATION

## PUBLIC BUILDINGS SERVICE MID-ATLANTIC REGION

### GSA: BLAST FILM AND BOLLARD DESIGN MOORHEAD FEDERAL BUILDING

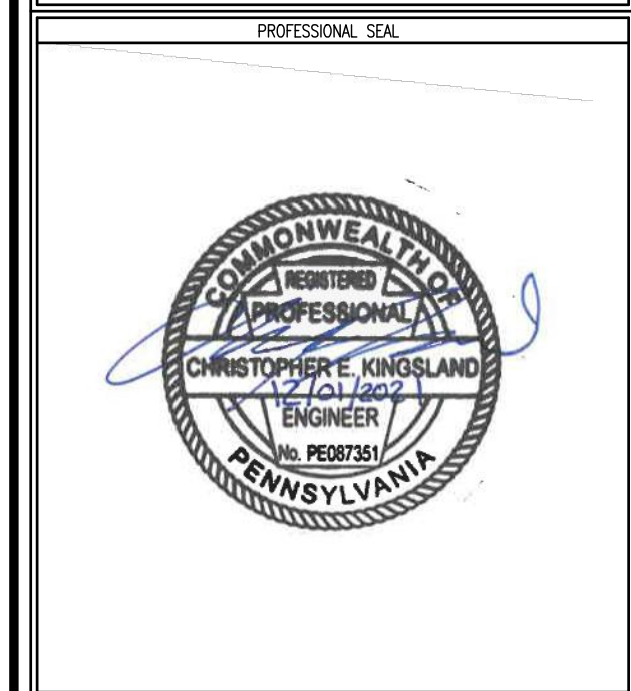
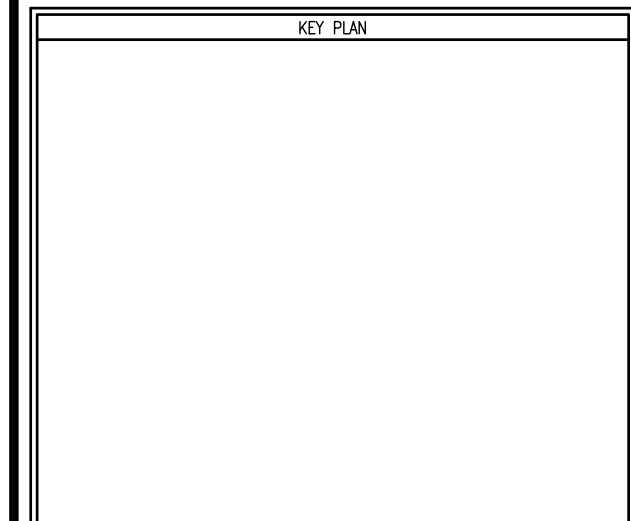
1000 LIBERTY AVE  
PITTSBURGH, PA 15222

CONTRACT NO: GS-03-P-16-DX-D-7014  
TASK ORDER: 47PD0120F00011

# FINAL CONSTRUCTION DOCUMENTS

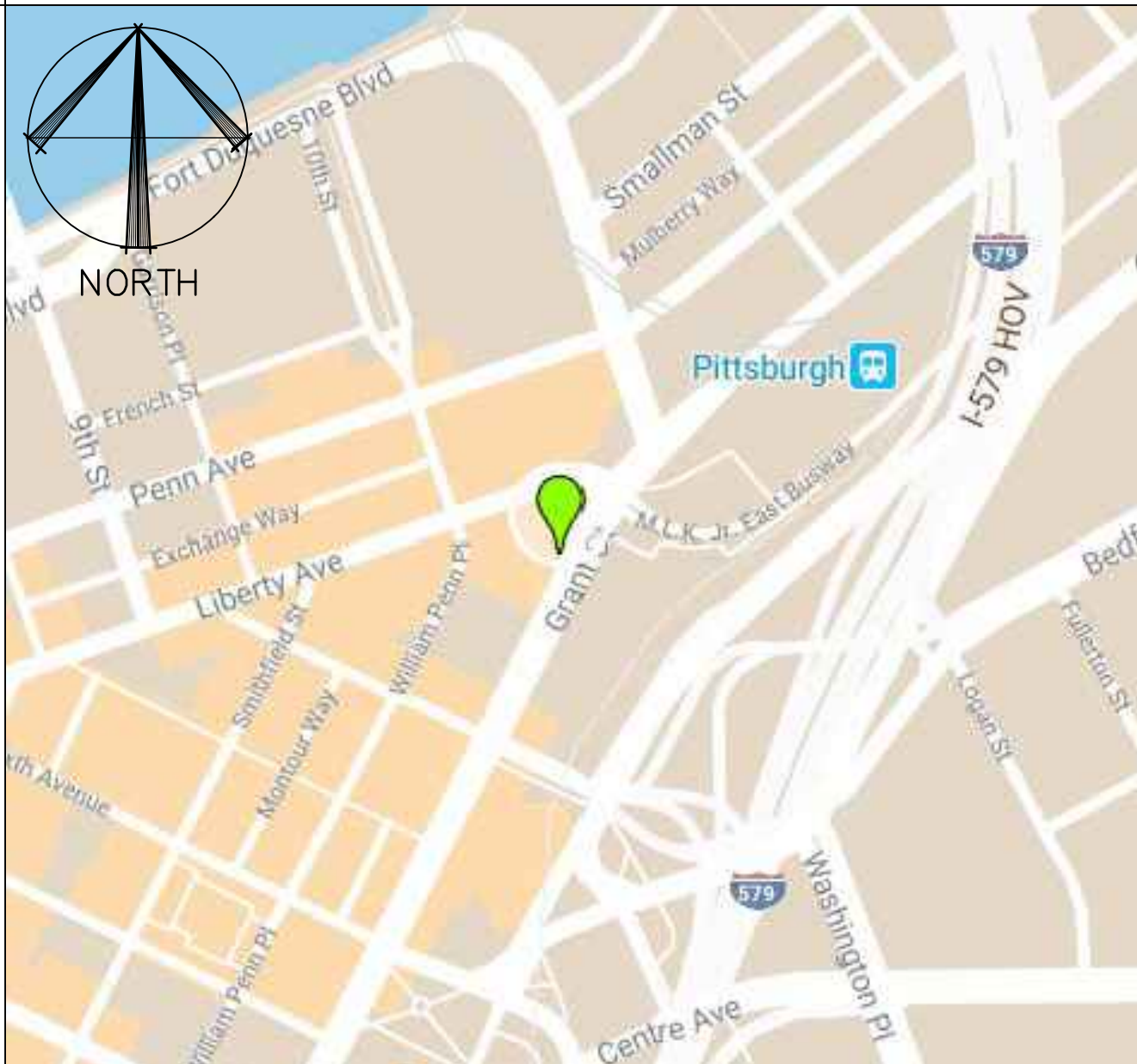
01 DECEMBER 2021

U.S. General Services Administration  
Mid-Atlantic Region  
Public Buildings Service  
The DOW Building  
100 South Independence Mall West  
Philadelphia, PA 19106-2320  
Arch D (24 X 36)

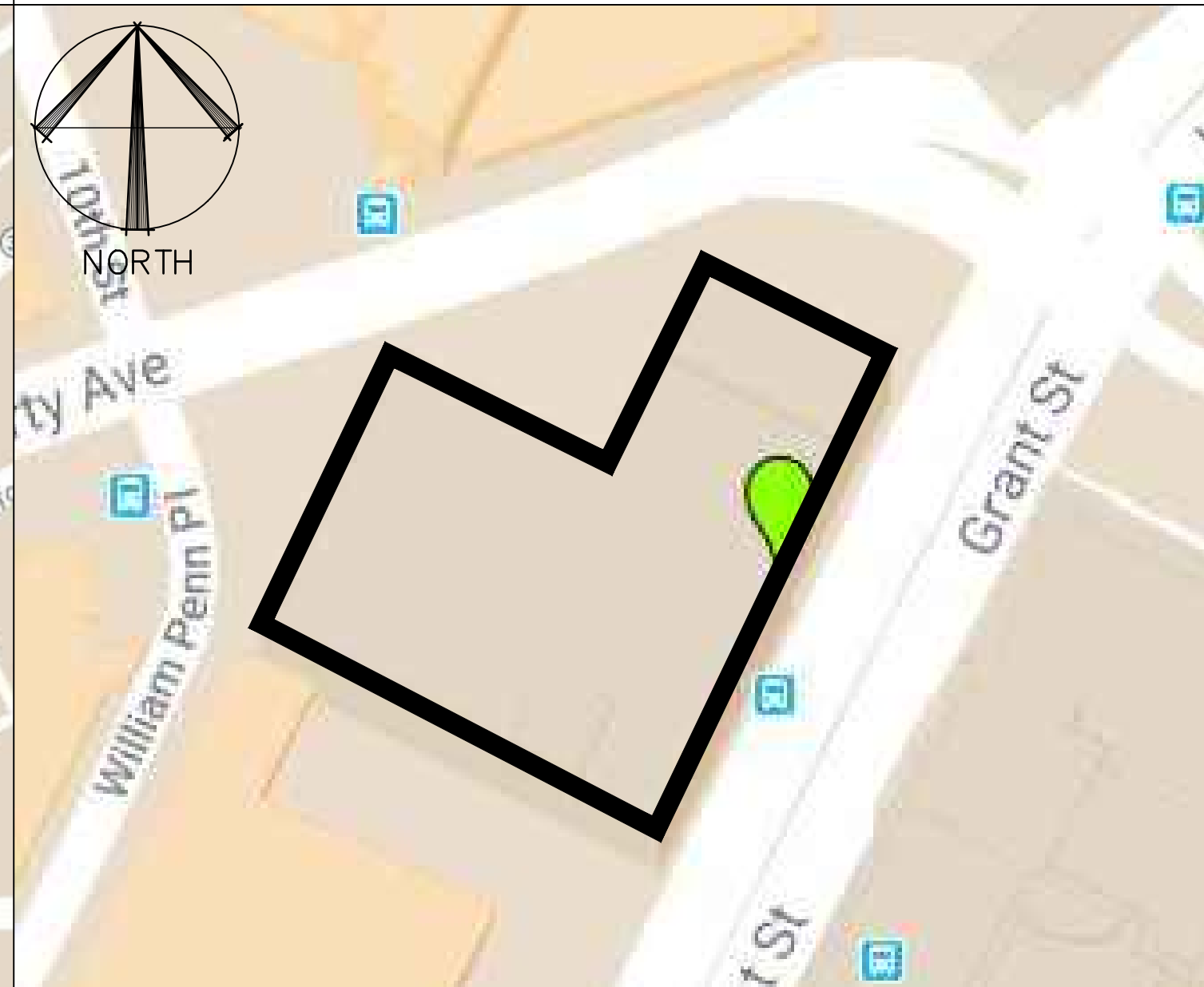


REVISION NUMBER	REVISION DESCRIPTION	REVISION DATE

VICINITY MAP  
SCALE: 1" = 400'



LOCATION MAP  
SCALE: 1" = 60'



DRAWING LIST

Sheet Number	Sheet Title
C 0 01	COVER SHEET
C 0 02	GENERAL NOTES
C 1 00	EXISTING CONDITIONS PLAN
C 1 01	DEMOLITION PLAN
C 1 02	SITE PLAN
C 1 03	LAYOUT AND MATERIALS PLAN
C 1 04A	SITE PLAN ENLARGEMENTS
C 1 04B	SITE PLAN ENLARGEMENTS
C 1 04C	DIMENSIONING PLAN
C 1 05	GRADING AND DRAINAGE PLAN
C 1 07	MAINTENANCE AND PROTECTION OF TRAFFIC PLAN
C 1 08	E&S PLAN
C 1 09	E&S NOTES AND DETAILS
C 5 06	SITE DETAILS
C 5 07	SITE DETAILS
C 5 08	SITE DETAILS

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**Engineer**  
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Tysons, VA 22182  
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CONTRACT NO.	GS03P16DXD7014 TASK NO: 47PD0120F0011
CONTRACTOR	N/A
PRIME A/E	THE ONYX GROUP
ADDRESS	1199 N WASHINGTON ST, STE 304 ALEXANDRIA, VA 22314
PROJ. A/E	ENOS, C
PROJ. A/E	GORDON
ADDRESS	4501 DALY DRIVE, SUITE 200 CHANTILLY, VA 20151
PROJ. A/E	EHLERT BRYAN
ADDRESS	8609 WESTWOOD CENTER DR TYSONS, VA 22182
BLDG. NO.	MOORHEAD FEDERAL BUILDING
ADDRESS	1000 LIBERTY AVE PITTSBURGH, PA 15222
BLDG. NO.	PA023322
ADDITIONAL FACILITY	N/A
ADDITIONAL FACILITY	N/A
TITLE	BLAST FILM AND BOLLARD DESIGN
DESCRIPTION	
PROJECT	
SUBMISSION	FINAL CONSTRUCTION DOCUMENTS SUB DATE: DECEMBER 1, 2021
PROJ. NO.	RPA7890.3
DESIGNED BY	W. PEART DATE DRAWN: NOVEMBER 12, 2021
CHECKED BY	R. WALKER DATE CHKD: NOVEMBER 12, 2021
FILE NAME	
FLOOR NO.	
TITLE	COVER SHEET
NUMBER	C 0 01
DISCIPLINE	
SHEET TYPE	
SEQUENCE	

**GENERAL NOTES:**

- THE PROPERTY THAT IS THE SUBJECT OF THIS PROJECT IS IDENTIFIED AS IP 0009-P-00150-000-00, PITTSBURGH, PA. THE PROPERTY ADDRESS IS 1000 LIBERTY AVENUE, ALLEGHENY COUNTY, PITTSBURGH, PA. THE FACILITY IS A GENERAL SERVICES ADMINISTRATION (GSA) GOVERNMENT AGENCY.
- THE PROJECT CONSISTS OF THE DEMOLITION AND EXCAVATION ASSOCIATED WITH THE INSTALLATION OF FIXED PASSIVE BOLLARDS. THE PROJECT INCLUDES REMOVAL OF EXISTING PASSIVE BOLLARDS ALONG LIBERTY AVENUE AS WELL AS LARGE MOVABLE PLANTERS. INSTALLATION OF THE SHALLOW PASSIVE BARRIERS WILL REQUIRE REMOVAL OF THE EXISTING SIDEWALK.
- THE BASIS OF DESIGN FOR THE PASSIVE BOLLARDS AND POST AND BEAM FENCING IS GIBRALTAR MATERIAL DISTRIBUTION, L.P., MARBLE FALLS TEXAS. SEE SHEET C 5 07 FOR BASIS OF DESIGN AND SEE SPECIFICATIONS 347113 SHALLOW PASSIVE BOLLARD SYSTEM AND 347115 SHALLOW PASSIVE REMOVABLE BEAM SYSTEM FOR ACCEPTABLE MANUFACTURERS AND SYSTEM DESCRIPTION FOR EACH BARRIER SYSTEM.
  - THE SHALLOW PASSIVE BOLLARDS WILL BE INSTALLED ALONG GRANT STREET, LIBERTY AVENUE AND WILLIAM PENN PLACE AS SHOWN ON SHEET **C 1 03**. THE BOLLARDS WILL BE INSTALLED APPROXIMATELY 25.5" FROM FACE OF CURB TO CENTERLINE OF BOLLARDS. EXCAVATION WILL INCLUDE REMOVAL OF UP TO 8 FEET WIDTH OF CONCRETE SIDEWALK FOR THE BOLLARD FOOTINGS. THE FOOTINGS WILL BE APPROX. 12" DEPTH REINFORCED CONCRETE ON AN APPROXIMATE 3" SUB-BASE. (SEE DETAIL B ON SHEET **C 5 06**). THE SURFACE OF THE FOOTINGS WILL MATCH THE EXISTING RUSTIC TERRAZZO SURFACING ON GRANT STREET, BRICK, OR COBBLESTONE SURFACING. THE SHALLOW PASSIVE BOLLARDS WILL BE INSTALLED OVER EXISTING UNDERGROUND UTILITIES/INFRASTRUCTURE WHERE REQUIRED. THE SPACING OF THE SHALLOW PASSIVE BOLLARDS WILL ALLOW SUFFICIENT PASSAGE FOR ADA COMPLIANCE, WHERE THE NEED EXISTS.
  - THE POST AND BEAM FENCING WILL BE INSTALLED ON LIBERTY AVENUE AS SHOWN ON SHEET **C 1 03**. THE POST AND BEAM FENCING (DETAIL **B** ON SHEET **C 5 07**) IS REQUIRED TO SPAN THE EXISTING TRANSFORMER VAULT.
- TOPOGRAPHIC SURVEY IS FROM A FIELD RUN SURVEY PREPARED BY GORDON ON DECEMBER 5, 2017. SEE EXISTING CONDITIONS PLAN (SHEET **C 1 00**). THE SURVEY DEPICTS THE AREA FROM THE BUILDING FACE TO THE EXISTING CURB OR EDGE OF PAVEMENT ON THE FAR SIDE OF ADJOINING ROADS AND ALLEYS. THE SURVEY SHOWS THE LOCATION OF TOPOGRAPHIC AND CONSTRUCTED FEATURES, TREES, AND AS-BUILT EXISTING GRAVITY FLOW SEWERS. SURFACE MARKINGS OF OTHER UTILITIES IDENTIFIED BY PENNSYLVANIA ONE CALL SUPPLEMENTAL INFORMATION DERIVED BY AVAILABLE RECORD DRAWINGS WERE ADDED TO THE SURVEY. UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM VISIBLE EVIDENCE.
- TO THE BEST OF OUR KNOWLEDGE AND BELIEF, THERE IS NO EVIDENCE OF ANY GRAVE, OBJECT OR STRUCTURE MARKING A PLACE OF BURIAL ON THIS PROPERTY.
- ALL LAND WHICH IS DISTURBED BY THE PROJECT, AND WHICH IS NOT BUILT ON OR SURFACED, SHALL BE ADEQUATELY STABILIZED TO CONTROL EROSION AND SEDIMENTATION.
- ALL PROPOSED GRADES AS SHOWN HEREIN ARE FINISHED GRADES UNLESS OTHERWISE NOTED ON THE PLAN.
- THE CONTRACTOR SHALL NOTIFY THE CONTRACTING OFFICER'S REPRESENTATIVE OF ANY CHANGES OR CONDITIONS ATTACHED TO PERMITS OR APPROVALS OBTAINED FROM ANY AUTHORITY ISSUING PERMITS OR APPROVALS.
- THE CONTRACTOR SHALL PROVIDE ADEQUATE MEANS OF CLEANING TRUCKS AND/OR OTHER EQUIPMENT OF MUD PRIOR TO ENTERING THE RIGHT-OF-WAY, AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO CLEAN STREETS OF MUD AND/OR ALLAY DUST AND TO TAKE WHATEVER MEASURES NECESSARY TO ENSURE THAT THE STREETS ARE KEPT IN A CLEAN AND DUST FREE CONDITION AT ALL TIMES.
- THE UNDERGROUND UTILITIES SHOWN ON SHEET **C 1 00** ARE BASED ON SURFACE FEATURES AND AVAILABLE RECORDS WITHOUT SUBSURFACE UTILITY LOCATING. THE PLANS DO NOT CONSTITUTE A GUARANTEE OF THE ACTUAL LOCATIONS OR THAT ALL UNDERGROUND UTILITIES HAVE ALL BEEN SHOWN. THE CONTRACTOR IS RESPONSIBLE FOR THE DIGGING OF TEST HOLES PRIOR TO BEGINNING ANY CONSTRUCTION. THESE TEST HOLES WILL BE MADE TO VERIFY ALL EXISTING FACILITIES AT CRITICAL GRADE CHANGES. IF CONDITIONS ARE FOUND IN THE FIELD WHICH ARE MATERIALLY DIFFERENT FROM THE PLANS, OR THE EXISTING UTILITIES ARE FOUND TO BE IN CONFLICT WITH PROPOSED CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE CONTRACTING OFFICER'S REPRESENTATIVE IMMEDIATELY. VARIANCES IN EXISTING UTILITY LOCATIONS SHALL BE SHOWN AND NOTED ON CONTRACTOR REDLINES AND SHOWN ON AS-BUILT DRAWINGS AT NO ADDITIONAL EXPENSE TO THE OWNER.
- THE CONTRACTOR SHALL NOTIFY OPERATORS WHO MAINTAIN EXISTING UNDERGROUND UTILITY LINES IN THE AREA OF PROPOSED EXCAVATION AT LEAST THREE (3) WORKING DAYS, BUT NOT MORE THAN THEN (10) WORKING DAYS PRIOR TO COMMENCEMENT OF EXCAVATION OR DEMOLITION. THE CONTRACTOR SHALL CONTACT PENNSYLVANIA ONE CALL 811 PRIOR TO COMMENCEMENT OF ANY EXCAVATION.
- THE CONTRACTOR AND/OR SURVEYOR SHALL BE RESPONSIBLE FOR NOTIFYING CONTRACTING OFFICER'S REPRESENTATIVE OF ANY CONDITIONS FOUND IN THE FIELD THAT VARY FROM WHAT IS SHOWN ON THE PLANS. OBSERVATIONS REGARDING INCONSISTENCIES IN THE PLANS SHALL BE BROUGHT TO CONTRACTING OFFICER'S REPRESENTATIVE'S ATTENTION FOR VERIFICATION PRIOR TO STAKEOUT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE PERFORMANCE OF HIS WORK AND THE WORK OF HIS SUBCONTRACTORS. OWNER AND A/E OF RECORD SHALL NOT HAVE CONTROL OVER, CHARGE OF, OR RESPONSIBILITY FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONJUNCTION WITH THE WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR PERMIT REQUEST(S) AND FEES.
- THE AREA OF DISTURBANCE FOR THIS PROJECT IS 2,798 SF ±. THE CALCULATION IS BASED ON THE AREAS IN WHICH SUBSURFACE WILL BE DISTURBED TO INSTALL PROPOSED BARRIERS AND ASSOCIATED CURBS, PAVEMENT AND SIDEWALKS.
- THE PROPOSED PROJECT IS IN CONFORMANCE WITH THE CITY OF PITTSBURGH STANDARDS.
- CONTRACTOR RESPONSIBLE FOR PROCURING AND PAYING FOR ALL PERMITS AND APPROVALS NOT PROVIDED BY OWNER AS DEFINED IN THE CONTRACT SPECIFICATIONS.

**CONSTRUCTION NOTES:**

- CONTRACTOR RESPONSIBLE FOR MARKING EXISTING GRADES IN ORDER TO ENSURE FINISHED GRADES MATCH EXISTING CONDITIONS.
- EXPANSION JOINTS SHALL BE PROVIDED BETWEEN INSTALLED CONCRETE AND EXISTING OBJECTS SUCH AS WALLS, UTILITY STRUCTURES, GRANITE CURBING, ETC.
- ALL CONCRETE DEMOLITION SHALL BE SAW CUTS AT THE NEAREST CONTROL/EXPANSION JOINT.
- CONTRACTOR RESPONSIBLE FOR ANY DAMAGES TO EXISTING GRANITE CURB, PLANTER WALLS, RAMP OR BUILDING WALLS, AND STEPS.

**ABBREVIATIONS**

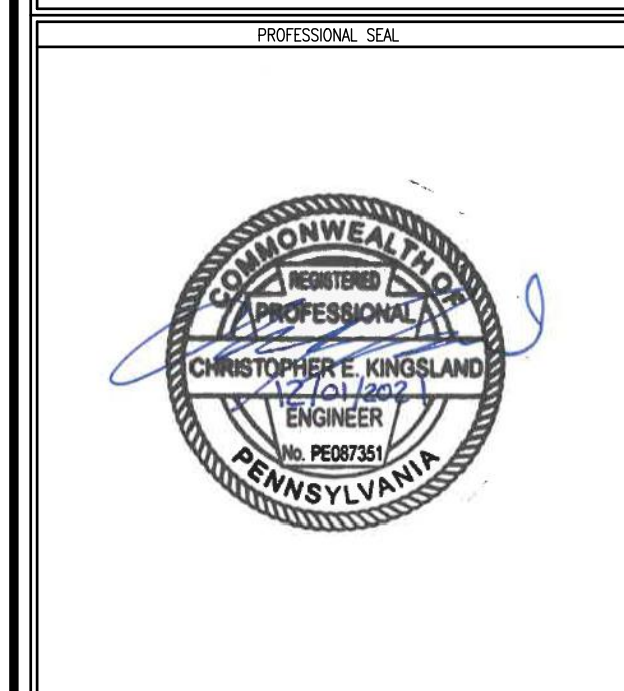
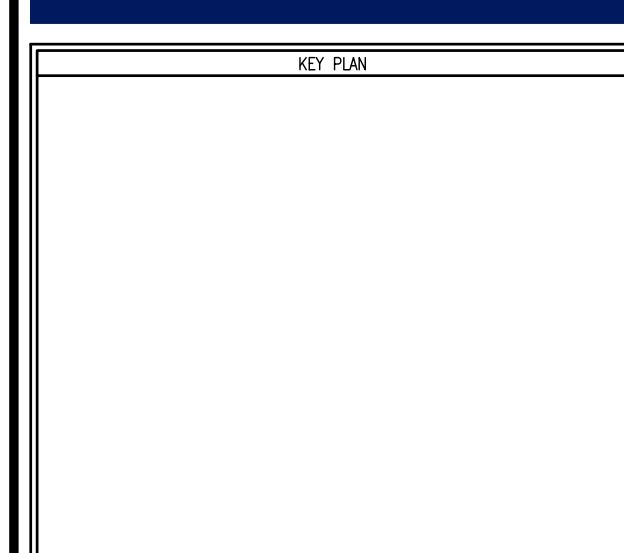
A	AREA OR ARC	LL	LOWER LEVEL	LL	LOWER LEVEL
AC	ACRE	LOC	LOCATION	LP	LOW POINT
AE	ABOVE GROUND ELECTRIC	LP	LOW POINT	LT	LEFT
AGEC	ABOVE GROUND ELECTRIC CONDUIT	LT	LEFT	MAT	MATERIAL
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	MECH	MECHANICAL	MEP	MECHANICAL, ELECTRICAL, PLUMBING
APPROX	APPROXIMATE	MH	MANHOLE	MH	MANHOLE
ARCH	ARCHITECTURAL	M	MILE	MON	MONUMENT
ASPH	ASPHALT	MPT	MAINTENANCE AND PROTECTION OF TRAFFIC	MS	MEDIA STRIP
AUX	AUXILIARY	MSL	MEAN SEA LEVEL	MWAA	METROPOLITAN WASHINGTON AIRPORTS AUTHORITY
BC	BOTTOM OF CURB	N/F	NOW OR FORMERLY	NIC	NOT IN CONTRACT
BF	BASEMENT FLOOR	NFA	NET FLOOR AREA	NO, #	NUMBER
BL	BUILDING FACE	NBL	NORTH BOUND LANE	OC	ON CENTER
BLDG	BUILDING	OC	OVERHEAD COMMUNICATIONS	OD	OUTSIDE DIAMETER
BM	BENCHMARK	OE	OVERHEAD ELECTRIC	OH	OFFSET
BOV	BLOW OFF VALVE	OH	OVERHANG	OLR	OVERLAND RELIEF
BRL	BUILDING RESTRICTION LINE	P	PERIMETER	PC	POINT OF CURVATURE
BW	BOTTOM OF WALL	PH	PROFILE HOLE	PCC	POINT OF COMPOUND CURVE
C	COEFFICIENT OF RUNOFF	PI	POINT OF INTERSECTION	PCEP	POINT OF CURVE, EDGE OF PAVEMENT
CB	CATCH BASIN OR CHORD BEARING	PL	PROPERTY LINE	PCTC	POINT OF CURVE, TOP OF CURB
CCS	CENTER TO CENTER	PRC	POINT OF REVERSE CURVE	PERF	PERFORATED
CFS	CUBIC FEET PER SECOND	PRELIM	PRELIMINARY	PG	PAGE
CHD	CHORD	PR	PROPOSED	PGL	POINT OF GRADE LINE
CG	CURB AND GUTTER	PT	POINT OF TANGENCY	PH	PROFILE HOLE
CIP	CAST IRON PIPE	PV	POINT OF VERTICAL CURVATURE	PI	POINT OF INTERSECTION
CL	CENTERLINE	PVC	POLY VINYL CHLORIDE (PLASTIC PIPE)	PL	PROPERTY LINE
CMP	CORRUGATED METAL PIPE	PVI	POINT OF VERTICAL INTERSECTION	PL	PROPERTY LINE
CLNK	CHAIN-LINK	PVMT	PAVEMENT	PRC	POINT OF REVERSE CURVE
CONC	CONCRETE	PVT	POINT OF VERTICAL TANGENCY	PRELIM	PRELIMINARY
CO	CLEAN OUT	P&P	PLAN AND PROFILE	PR	PROPOSED
COMM	COMMUNICATIONS	Q	FLOW, AMOUNT OF RUNOFF	PT	POINT OF TANGENCY
CONN	CONNECTION	R	RISER, RADIUS	PH	PROFILE HOLE
CON	CONTAMINATED	RCP	REINFORCED CONCRETE PIPE	PI	POINT OF INTERSECTION
CONT	CONTINUATION	RD	ROAD, ROOF DRAIN	PL	PROPERTY LINE
COR	CONTRACTING OFFICER'S REPRESENTATIVE	RW	RETAINING WALL	PRC	POINT OF REVERSE CURVE
CT	COURT	REV	REVISION	PRELIM	PRELIMINARY
CU	COMMUNICATIONS UNDERGROUND	RGP	ROUGH GRADING PLAN	PR	PROPOSED
D	DEPTH	RR	RAILROAD	PT	POINT OF TANGENCY
DB	DEED BOOK	RTE	ROUTE	PV	POINT OF VERTICAL CURVATURE
DET	DETAIL	RT	RIGHT	PVC	POLY VINYL CHLORIDE (PLASTIC PIPE)
DEV	DOMINION ENERGY VIRGINIA	R/W	RIGHT OF WAY	PVMT	PAVEMENT
DI	DROP INLET	SAN	SANITARY	PVT	POINT OF VERTICAL TANGENCY
DIP	DUCTILE IRON PIPE	SBL	SOUTH BOUND LANE	P&P	PLAN AND PROFILE
DM	DROP MANHOLE	SEC	SECTION	Q	FLOW, AMOUNT OF RUNOFF
DOM	DOMESTIC	SEW	SEWER	R	RISER, RADIUS
DR	DRIVE	SP	SITE PLAN	RCP	REINFORCED CONCRETE PIPE
DRN	DRAINAGE	SPEC	SPECIFICATION	RD	ROAD, ROOF DRAIN
DWG	DRAWING	STA	STATION	RW	RETAINING WALL
D/W	DRIVEWAY	STD	STANDARD	REV	REVISION
D	DELTA	STK	STACK	RGP	ROUGH GRADING PLAN
ES	EDGE OF CONCRETE	STM	STORM	RR	RAILROAD
ESMT	EASEMENT	SVC	SERVICE	RTE	ROUTE
EG	EDGE OF GUTTER	S/W	SIDEWALK	RT	RIGHT
ELEV	ELEVATION	SWM	STORM WATER MANAGEMENT	R/W	RIGHT OF WAY
EP	EDGE OF PAVEMENT	Sx	CROSS SLOPE	SAN	SANITARY
ES	END SECTION	T	TANGENT	SBL	SOUTH BOUND LANE
EW	END WALL	TB	TEST BORE	SEC	SECTION
EXP	EXPANSION	TC	TOP OF BANK	SEW	SEWER
EX	EXISTING	TC	TOP OF CURB/FACE OF CURB	SP	SITE PLAN
ELEC	ELECTRICAL	TCP	TERRA COTTA PIPE	SPEC	SPECIFICATION
EBL	EAST BOUND LANE	TELE	TELEPHONE	STA	STATION
FAR	FLOOR AREA RATIO	TH	TEST HOLE	STD	STANDARD
FC	FACE OF CURB/TOP OF CURB	TP	TEST PIT	STK	STACK
FD	FOUNDATION DRAIN	TP	TOP OF PAD	STM	STORM
FF	FIRST FLOOR OR FINISHED FLOOR	TP	TREE PROTECTION	SVC	SERVICE
FG	FINISHED GRADE	TRANS	TRANSITION	S/W	SIDEWALK
FH	FIRE HYDRANT	TW	TOP OF WALL	SWM	STORM WATER MANAGEMENT
FL	FIRE LINE	UD	UNDERDRAIN	Sx	CROSS SLOPE
FL	FLOW LINE	UG	UNDERGROUND	T	TANGENT
FP	FLOOD PLAIN	UGE	UNDERGROUND ELECTRIC	TB	TEST BORE
FOY	FOYER	UGF	UNDERGROUND COMMUNICATIONS/FIBER	TC	TOP OF CURB/FACE OF CURB
FR	FROM	UGL	UNDERGROUND ELECTRIC	TCP	TERRA COTTA PIPE
FR	FROM	UP	UPPER LEVEL	TELE	TELEPHONE
FU	FUTURE	UR	UTILITY POLE	TH	TEST HOLE
FW	FAIRFAX WATER	V	VERTICAL	TP	TEST PIT
G	GAS	V	VELOCITY	TP	TOP OF PAD
GFA	GROSS FLOOR AREA	VCP	VITRIFIED CLAY PIPE	TP	TREE PROTECTION
GR	GRADE	VF	VERTICAL FOOT	TRANS	TRANSITION
GR	GUARD RAIL	WL	WATER LINE	TW	TOP OF WALL
H	HORIZONTAL	WM	WATERMAIN	UD	UNDERDRAIN
HC	HANDICAP	W.M.	WATER METER	UG	UNDERGROUND
HGL	HYDRAULIC GRADE LINE	WSE	WATER SURFACE ELEVATION	UGE	UNDERGROUND ELECTRIC
HP	HIGH POINT	WBL	WEST BOUND LANE	UGF	UNDERGROUND COMMUNICATIONS/FIBER
HR	HAND RAIL	X-ING	CROSSING	UGL	UNDERGROUND ELECTRIC
HT	HEIGHT	YI	YARD INLET	UP	UPPER LEVEL
HWSR	HOT WATER SUPPLY & RETURN	YR	YEAR	UR	UTILITY POLE
I	RAINFALL INTENSITY	Z	SIDE SLOPES	V	VERTICAL
ID	INSIDE DIAMETER			VCP	VITRIFIED CLAY PIPE
IN	INCH			VF	VERTICAL FOOT
INTX	INTERSECTION			WL	WATER LINE
INV	INVERT			WM	WATERMAIN
IP	IRON PIPE			W.M.	WATER METER
IPF	IRON PIPE FOUND			WSE	WATER SURFACE ELEVATION
IPS	IRON PIPE SET			WBL	WEST BOUND LANE
JB	JUNCTION BOX			X-ING	CROSSING
K	ONE THOUSAND (KILO)			YI	YARD INLET
L	LENGTH			YR	YEAR
LAT	LATERAL			Z	SIDE SLOPES

**EXISTING LEGEND**

	STORM SEWER GRATE
	STORM GRATE INLET
	SANITARY SEWER MANHOLE
	SANITARY SEWER CLEANOUT
	SANITARY VENT
	ELECTRIC MANHOLE
	LIGHT POLE
	SIGNAL POLE
	ELECTRIC HANDHOLE
	BOLLARD LIGHT
	COMMUNICATION MANHOLE
	CABLE TV MANHOLE
	CARD READER
	FIRE HYDRANT
	WATER VALVE
	SIAMESE CONNECTION
	GAS VALVE
	GAS TEST STATION
	SIGN
	BOLLARD
	SPOT ELEVATION
	TOP OF WALL
	TREE
	STORMSEWER PIPE
	STORM PIPE
	STEAM LINE
	TELEPHONE LINE
	WATER LINE
	GAS LINE
	ELECTRIC LINE
	EXISTING BOLLARD

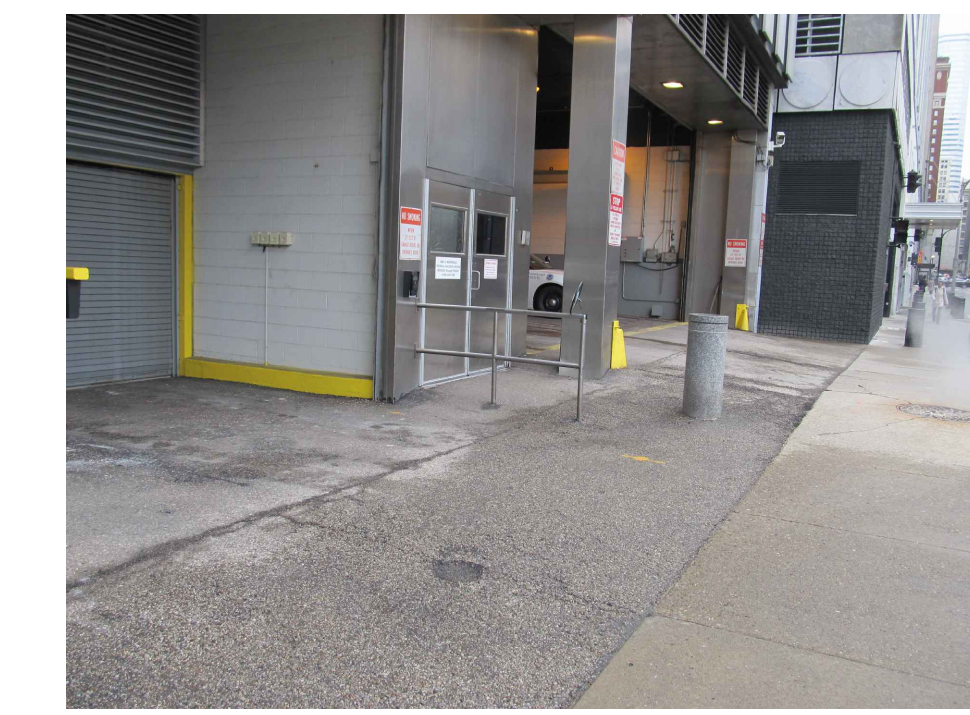
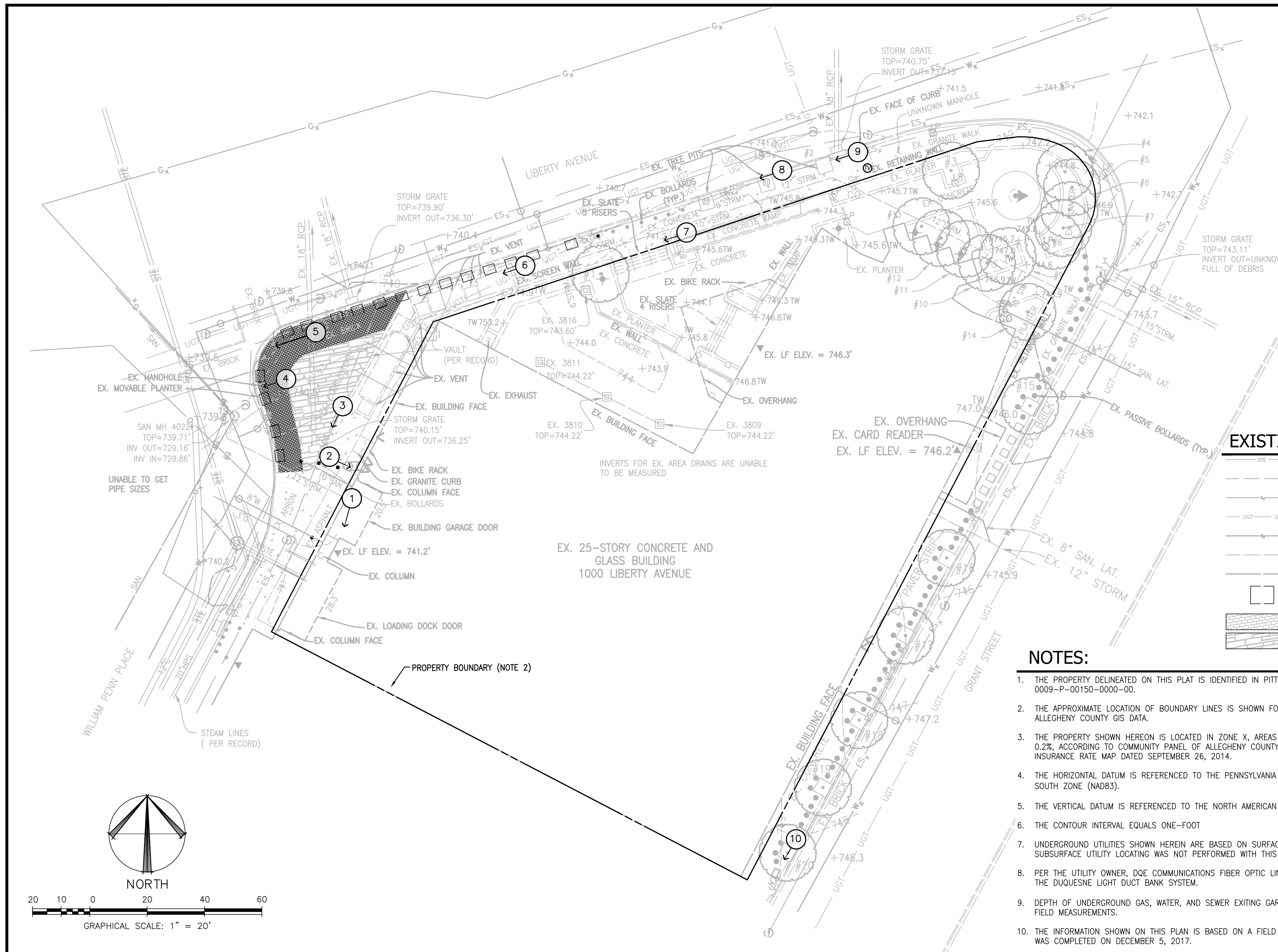
U.S. General Services Administration  
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The DOW Building  
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Philadelphia, PA 19106-2320

Arch D (24 X 36)



REVISION NUMBER	REVISION DESCRIPTION	REVISION DATE
1	AMENDMENT #1	4/22/22

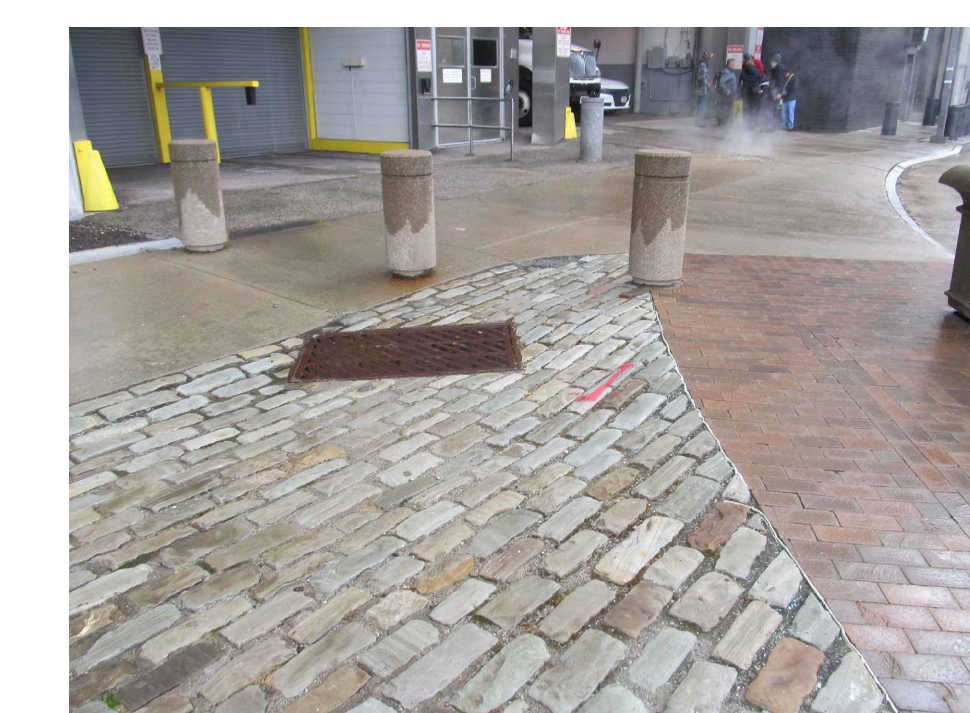
DATE	05/03/2022	TASK NO.	47P00120F0011
CONTRACT	N/A		
PRIME A/E	THE ONYX GROUP		
ADDRESS	1825 N WASHINGTON ST, STE 304		
	ALEXANDRIA	VA 22314	
PROJ. A/E	ENOS, C		
ADDRESS	4501 DALY DRIVE, SUITE 200		
	CHANTILLY	VA 20151	
PROJ. A/E	CHERIE BRYAN		
ADDRESS	1809 WESTWOOD CENTER DR		
	TYSONS	VA 22182	
NAME	MOORHEAD FEDERAL BUILDING		
ADDRESS	1000 LIBERTY AVE		
	PITTSBURGH	PA 15222	
BLDG NO.	PA023322		
ADP. FACILITY	N/A		
ADP. FAC. NO.	N/A		
TITLE	BLAST FILM AND BOLLARD DESIGN		
DESCRIPTION			
SUBMISSION	FINAL CONSTRUCTION DOCUMENTS	DATE	DECEMBER 1, 2021
DESIGNER	GABRIELLE TROUT		
PROJ. NO.	RP47890.3		
DRAWN BY	W. PEART	DATE DRAWN	NOVEMBER 12, 2021
CHK. BY	R. WALKER	DATE CHK	NOVEMBER 12, 2021
FILE NAME			
FLOOR NO.			
TITLE	GENERAL NOTES		
NUMBER	C	0	02
DISCIPLINE		SHEET TYPE	SEQUENCE



1 GARAGE AND LOADING DOCK



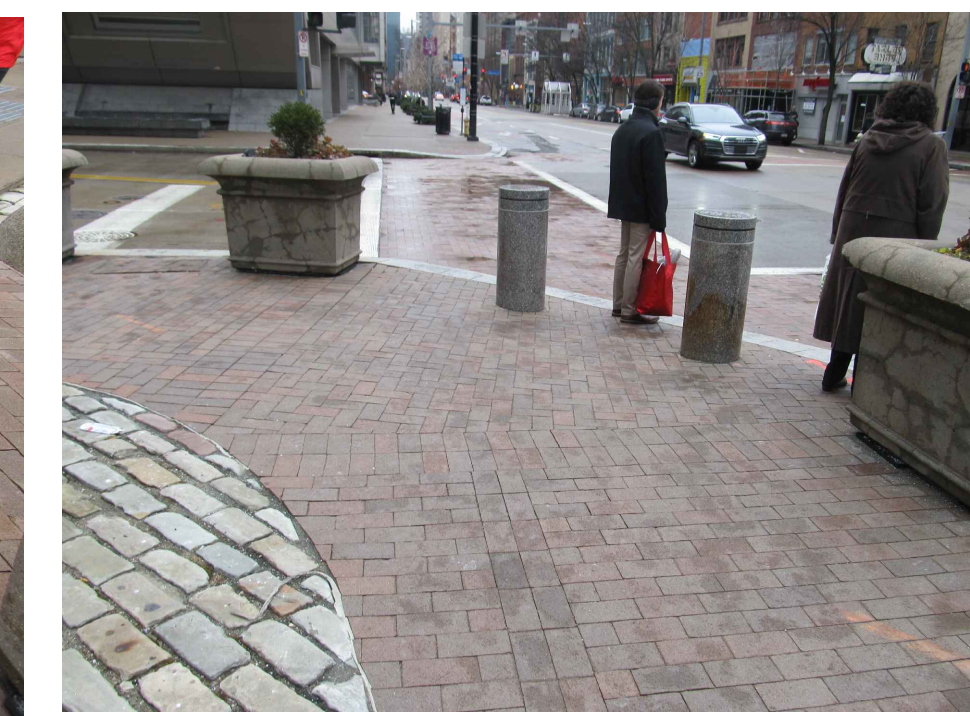
2 UTILITY STRUCTURE NEXT TO GARAGE W/GRANITE CURB



3 STORM SEWER NEXT TO GARAGE ENTRANCE



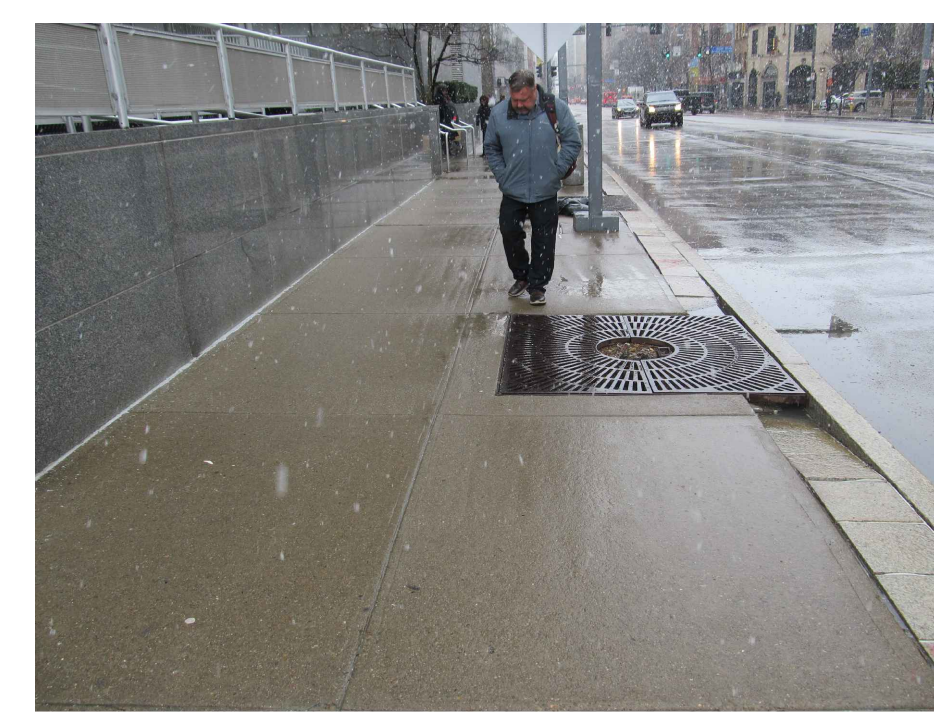
4 TRAFFIC SIGNAL ACCESS PANEL



5 CURB RAMP



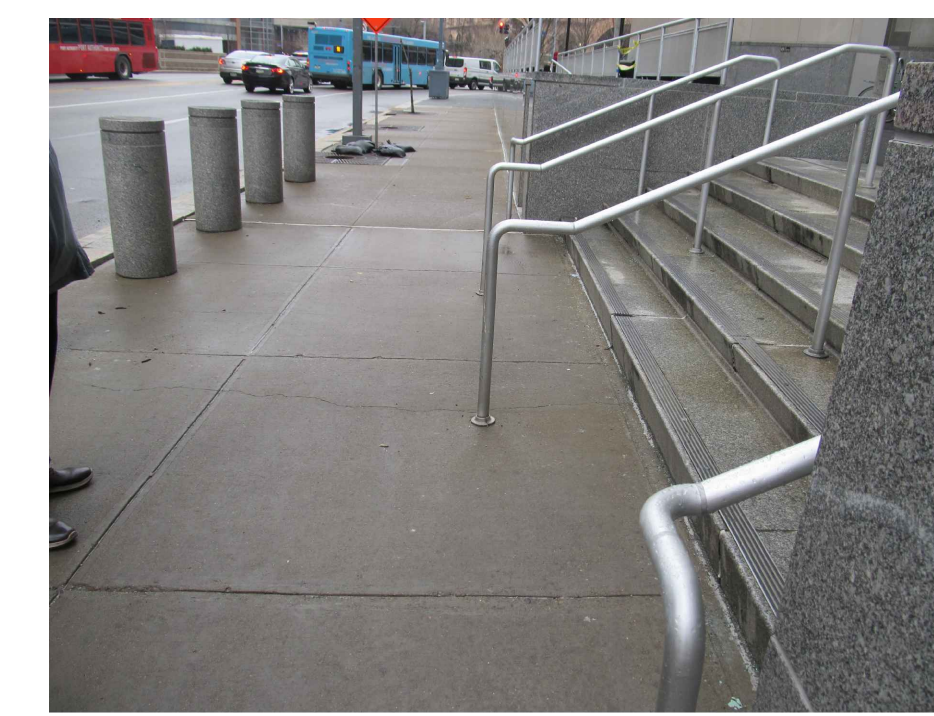
10 TRAFFIC SIGNAL ACCESS PANEL



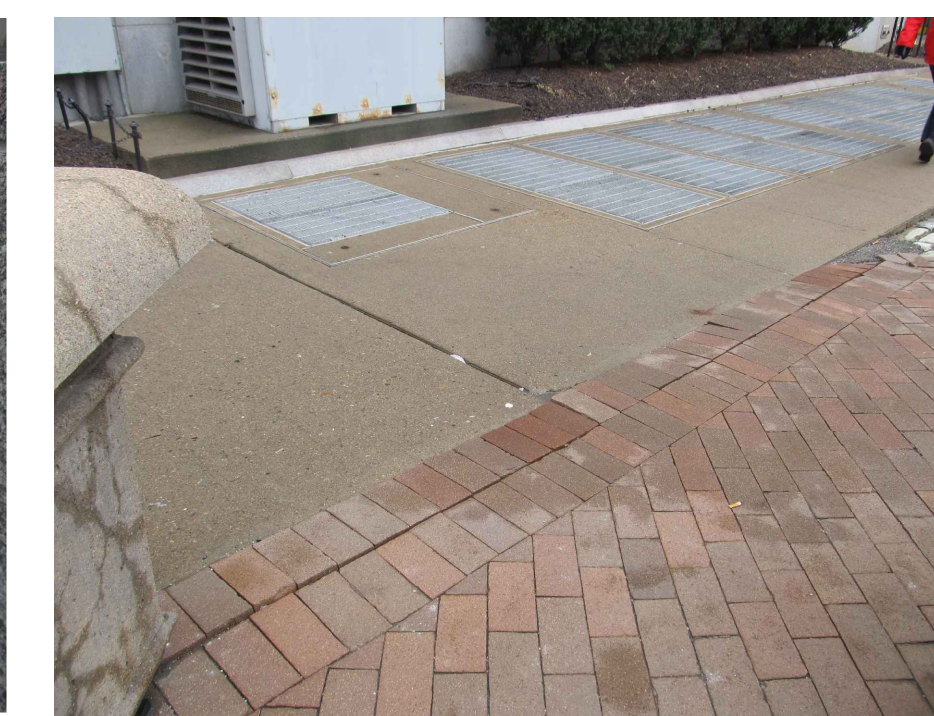
9 STREET TREE GRATES



8 GRANITE PAVER STRIP ALONG CURB



7 STAIRWELL AND HANDRAILS



6 TRANSFORMER VAULT

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 Philadelphia, PA 19106-2320  
 Arch D (24 X 36)



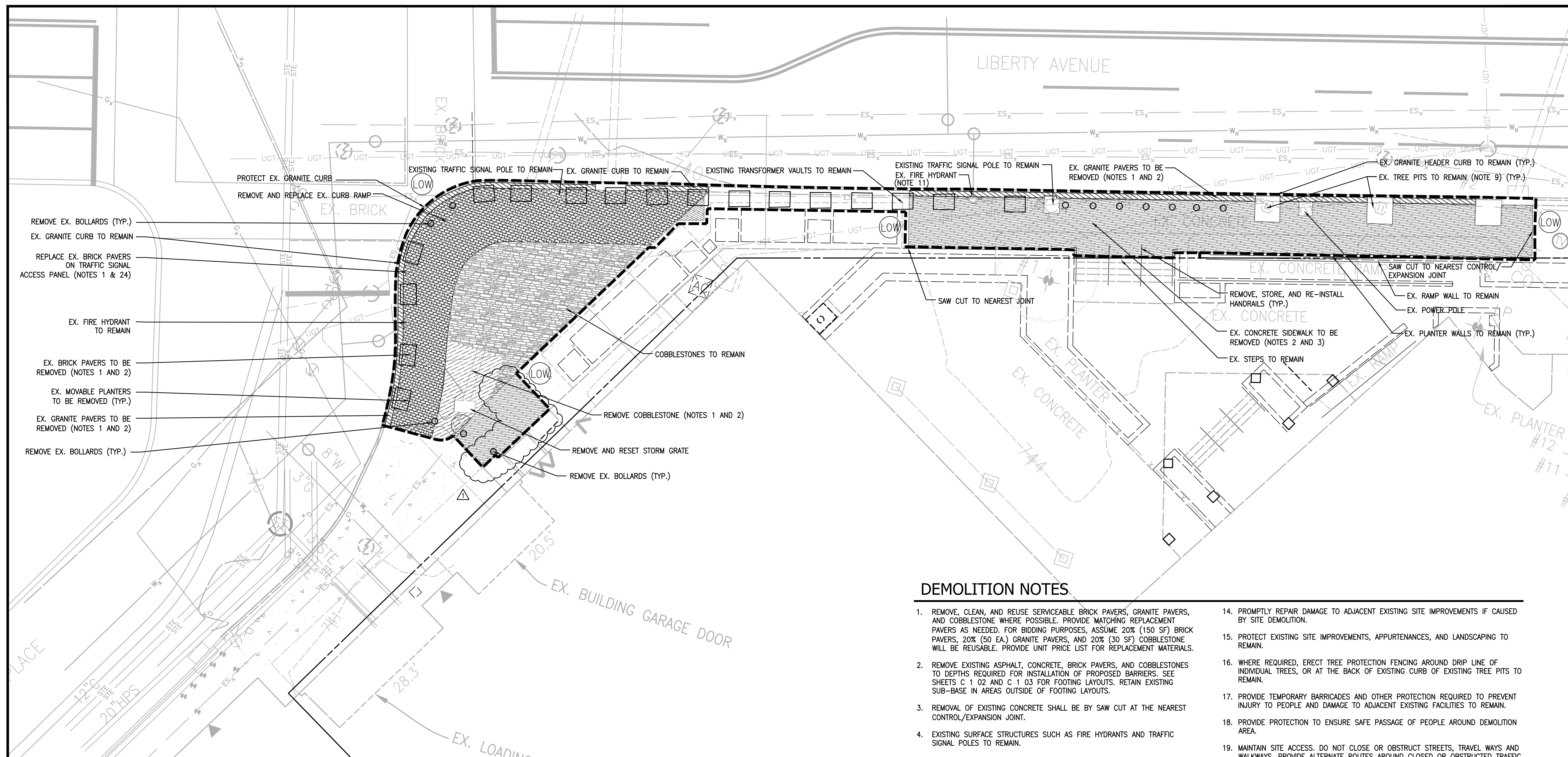
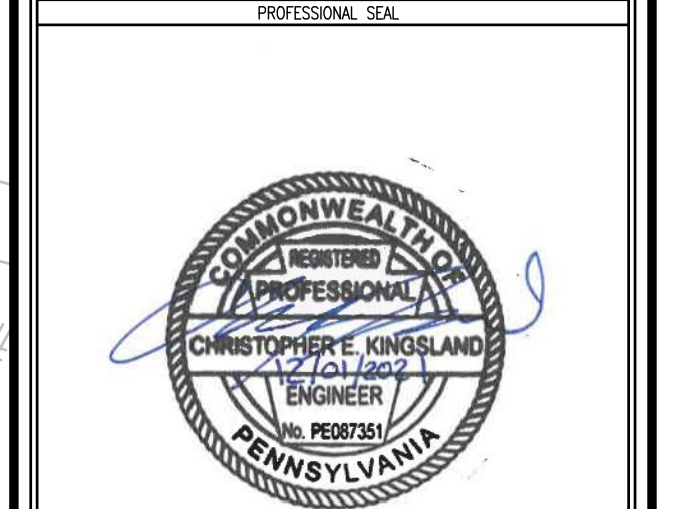
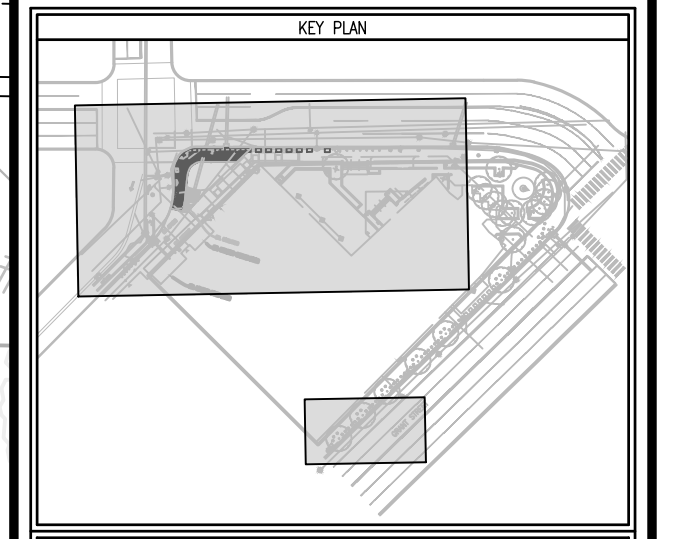
KEY PLAN

PROFESSIONAL SEAL



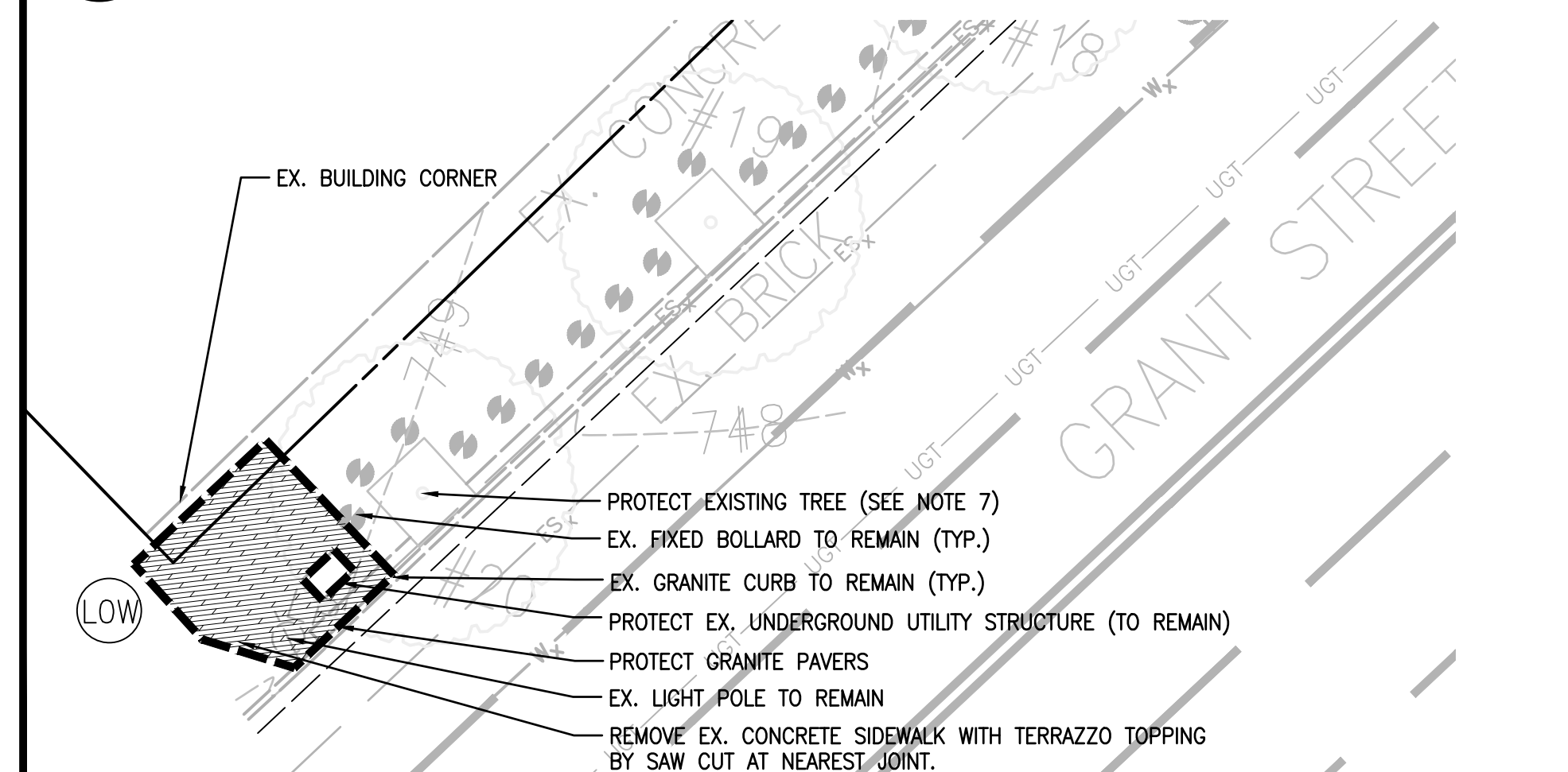
REVISION NUMBER	REVISION DESCRIPTION	REVISION DATE

DATE	GSD39160KD7014 TASK NO: 47P00120F0011
CONTRACT	N/A
PRIME A/E	THE ONYX GROUP
ADDRESS	1825 N WASHINGTON ST, STE 304
CITY	ALEXANDRIA VA 222314
PROJ. MGR.	ENOS, C
OWNER	GORDON
ADDRESS	4501 DALY DRIVE, SUITE 200
CITY	CHANTILLY VA 20151
OWNER	EHLERT BRYAN
ADDRESS	1809 WESTWOOD CENTER DR
CITY	TYSONS VA 22182
NAME	MOORHEAD FEDERAL BUILDING
ADDRESS	1000 LIBERTY AVE
CITY	PITTSBURGH
STATE	PA
ZIP CODE	15222
BUILD NO.	PA02332Z
ADDL. FACILITY	N/A
ADDL. FACNO.	N/A
TITLE	BLAST FILM AND BOLLARD DESIGN
DESCRIPTION	
SUBMISSION	FINAL CONSTRUCTION DOCUMENTS
SUB. DATE	DECEMBER 1, 2011
DESIGNER	GABRIELLE TROUT
PROJ. NO.	RP47890.3
DRAWN BY	W.PEART
DATE DRAWN	NOVEMBER 12, 2011
CHKD BY	R.WALKER
DATE CHKD	NOVEMBER 12, 2011
FILE NAME	
FLOOR NO.	
TITLE	EXISTING CONDITIONS PLAN
NUMBER	C 1 00
DISCIPLINE	SHEET TYPE
SEQUENCE	



### 1 LIBERTY AVE AND WILLIAM PENN PLACE DEMOLITION

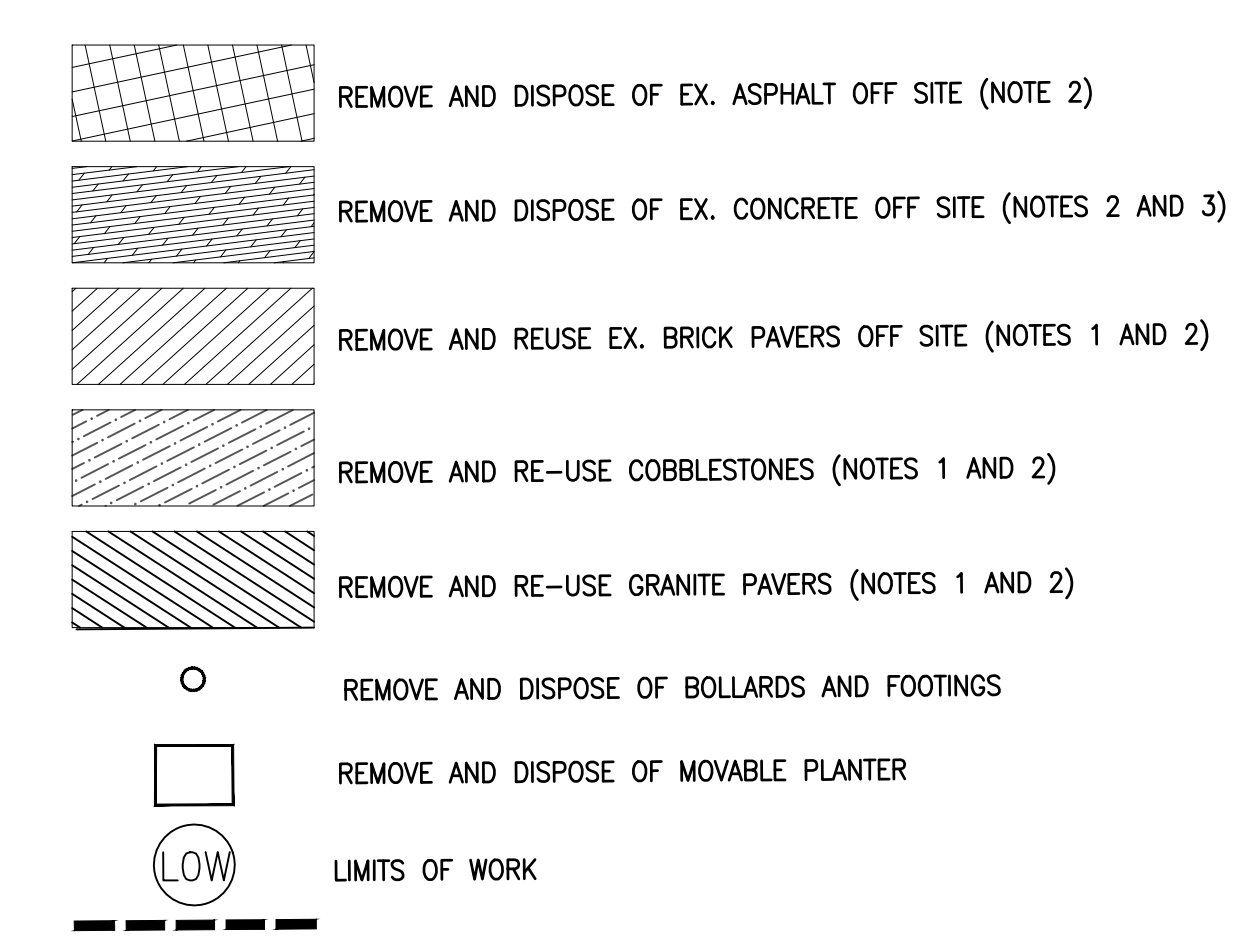
SCALE: 1"=10'



### 2 GRANT STREET DEMOLITION

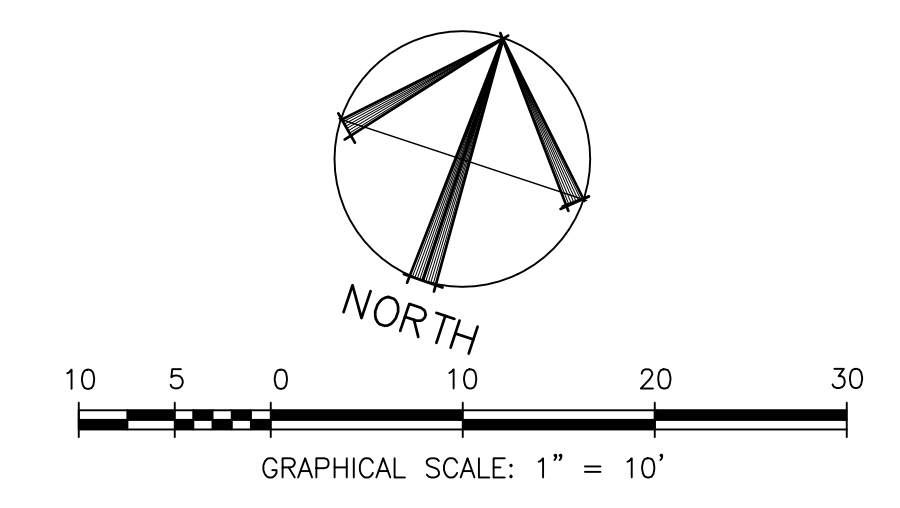
SCALE: 1"=10'

### EXISTING LEGEND



### DEMOLITION NOTES

- REMOVE, CLEAN, AND REUSE SERVICEABLE BRICK PAVERS, GRANITE PAVERS, AND COBBLESTONE WHERE POSSIBLE. PROVIDE MATCHING REPLACEMENT PAVERS AS NEEDED. FOR BIDDING PURPOSES, ASSUME 20% (150 SF) BRICK PAVERS, 20% (50 EA) GRANITE PAVERS, AND 20% (30 SF) COBBLESTONE WILL BE REUSABLE. PROVIDE UNIT PRICE LIST FOR REPLACEMENT MATERIALS.
- REMOVE EXISTING ASPHALT, CONCRETE, BRICK PAVERS, AND COBBLESTONES TO DEPTHS REQUIRED FOR INSTALLATION OF PROPOSED BARRIERS. SEE SHEETS C 1 02 AND C 1 03 FOR FOOTING LAYOUTS. RETAIN EXISTING SUB-BASE IN AREAS OUTSIDE OF FOOTING LAYOUTS.
- REMOVAL OF EXISTING CONCRETE SHALL BE BY SAW CUT AT THE NEAREST CONTROL/EXPANSION JOINT.
- EXISTING SURFACE STRUCTURES SUCH AS FIRE HYDRANTS AND TRAFFIC SIGNAL POLES TO REMAIN.
- EXISTING UNDERGROUND UTILITIES TO REMAIN.
- RESET VALVES, TOPS, ETC. TO EXISTING GRADE.
- EXISTING TREE PITS TO REMAIN. PROVIDE TREE PROTECTION.
- SEE GENERAL SITE DEMOLITION NOTES ON SHEET C 0 02.
- REMOVE ANY EXISTING STUMPS. REMOVE, STORE, AND REINSTALL EXISTING TREE GRATES AFTER TREE REPLACEMENT.
- EXISTING UTILITIES SHALL REMAIN OPERATIONAL AT ALL TIMES.
- INSTALLATION OF PROPOSED BOLLARDS WILL CREATE AN OBSTACLE FOR CONNECTION TO THE HOSE NOZZLE CONNECTIONS ON THE SIDES OF THE HYDRANTS. IN COORDINATION WITH THE CITY OF PITTSBURGH AND THE AUTHORITY HAVING JURISDICTION, REMOVE AND REINSTALL EXISTING HYDRANT WITH CONNECTIONS ROTATED 45 DEGREES TO ALLOW CONNECTIONS TO PUMPER AND HOSE NOZZLES.
- PRIOR TO START OF DEMOLITION ACTIVITIES, CONDUCT PRE-CONSTRUCTION/DEMOLITION MEETING ON SITE WITH CONTRACT OFFICER'S REPRESENTATIVE, SITE INSPECTOR AND CONTRACTOR TO REVIEW METHODS AND PROCEDURES RELATED TO SITE DEMOLITION INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING:
  - INSPECT AND DISCUSS CONDITION OF CONSTRUCTION TO BE SALVAGED.
  - REVIEW AND FINALIZE DEMOLITION SCHEDULE AND VERIFY AVAILABILITY OF DEMOLITION PERSONNEL, EQUIPMENT, AND FACILITIES NEEDED TO MAKE PROGRESS AND AVOID DELAYS.
  - REVIEW AND FINALIZE PROTECTION REQUIREMENTS.
  - INSTALL EROSION AND SEDIMENT CONTROLS.
- EXISTING PEDESTRIAN ACCESS TO BE MAINTAINED OPERATIONAL AT ALL TIMES DURING CONSTRUCTION. MAINTAIN ACCESS TO EXISTING WALKWAYS & FACILITIES. DO NOT CLOSE OR OBSTRUCT WALKWAYS WITHOUT WRITTEN PERMISSION FROM CITY AND AUTHORITIES HAVING JURISDICTION.
- PROMPTLY REPAIR DAMAGE TO ADJACENT EXISTING SITE IMPROVEMENTS IF CAUSED BY SITE DEMOLITION.
- PROTECT EXISTING SITE IMPROVEMENTS, APPURTENANCES, AND LANDSCAPING TO REMAIN.
- WHERE REQUIRED, ERECT TREE PROTECTION FENCING AROUND DRIP LINE OF INDIVIDUAL TREES, OR AT THE BACK OF EXISTING CURB OF EXISTING TREE PITS TO REMAIN.
- PROVIDE TEMPORARY BARRICADES AND OTHER PROTECTION REQUIRED TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT EXISTING FACILITIES TO REMAIN.
- PROVIDE PROTECTION TO ENSURE SAFE PASSAGE OF PEOPLE AROUND DEMOLITION AREA.
- MAINTAIN SITE ACCESS. DO NOT CLOSE OR OBSTRUCT STREETS, TRAVEL WAYS AND WALKWAYS. PROVIDE ALTERNATE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFIC WAYS AS REQUIRED BY COR AND AUTHORITIES HAVING JURISDICTION.
- ALL TREE PROTECTION DEVICES AND PERIMETER EROSION AND SEDIMENT CONTROL MEASURES MUST BE INSTALLED PRIOR TO THE START OF DEMOLITION OPERATIONS.
- ALL DEMOLISHED MATERIALS SHALL BE REMOVED FROM SITE AND DISPOSED OF PROPERLY.
- CONTRACTOR SHALL CONDUCT DEMOLITION OPERATIONS IN ACCORDANCE WITH LOCAL, COUNTY, STATE AND FEDERAL SAFETY STANDARDS.
- FIRE HYDRANTS TO REMAIN ACCESSIBLE TO FIRE DEPARTMENT PERSONNEL AT ALL TIMES. ENSURE FENCE SURROUNDING HYDRANTS CAN BE RELOCATED IMMEDIATELY TO ALLOW ACCESS AT ALL TIMES. CONTRACTOR TO ENSURE FIRE DEPARTMENT ATTENDS PRE-CONSTRUCTION MEETING TO DISCUSS FIRE SAFETY AND ACCESS TO HYDRANTS DURING CONSTRUCTION. MAINTAIN HYDRANTS FREE FROM DEBRIS AND OBSTRUCTIONS. COORDINATE ANY REQUIRED HYDRANT OUTAGE WITH FIRE DEPARTMENT A MINIMUM OF THREE WEEKS PRIOR TO OUTAGE.
- PROTECT EXISTING HAND HOLES.
- PROTECT ALL EXISTING GRANITE CURB. REMOVE AND REINSTALL IF NECESSARY FOR INSTALLATION OF BARRIER FOUNDATIONS.

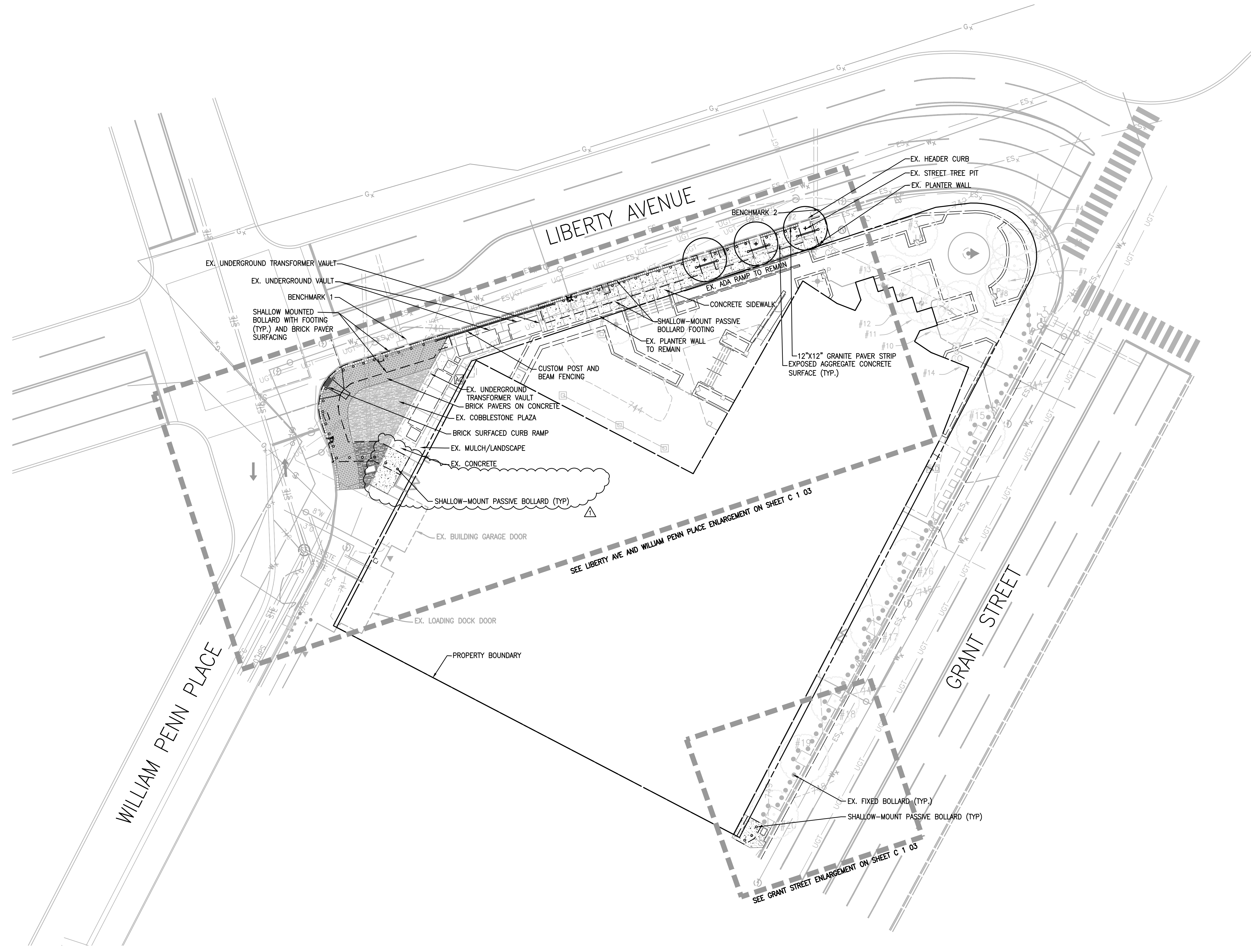


REVISION NUMBER	REVISION DESCRIPTION	REVISION DATE
1	AMENDMENT #1	4/22/22

NO.	DATE	DESCRIPTION
1	4/22/22	AMENDMENT #1

PROJECT NO.	GS039160X07014	TASK NO.	47P00120F0011
CONTRACTOR	THE ONYX GROUP		
ADDRESS	1825 N WASHINGTON ST, STE 304		
CITY	ALEXANDRIA	STATE	VA 222314
PROJECT MGR.	ENOS, C		
OWNER	GORDON		
ADDRESS	2501 DALY DRIVE, SUITE 200		
CITY	CHANTILLY	STATE	VA 20151
OWNER	EHLERT BRYAN		
ADDRESS	1809 WESTWOOD CENTER DR		
CITY	TYSONS	STATE	VA 22182
NAME	MOORHEAD FEDERAL BUILDING		
ADDRESS	1000 LIBERTY AVE		
CITY	PITTSBURGH	STATE	PA
ZIP CODE	15222		
BUILD NO.	PA02332Z		
ADDITIONAL FACILITY	N/A		
ADDITIONAL FACILITY NO.	N/A		
TITLE	BLAST FILM AND BOLLARD DESIGN		
DESCRIPTION			
SUBMISSION	FINAL CONSTRUCTION DOCUMENTS	SUB DATE	DECEMBER 1, 2021
DESIGNER	GABRIELLE TROUT		
PROJ. NO.	RP47890.3	DATE DRAWN	NOVEMBER 12, 2021
DRAWN BY	W. PEART	DATE CHG	NOVEMBER 12, 2021
CHKD BY	R. WALKER	DATE CHG	NOVEMBER 12, 2021
FILE NAME			
FLOOR NO.			
TITLE	DEMOLITION PLAN		
NUMBER	C	1	01
DISCIPLINE		SHEET TYPE	
		SEQUENCE	

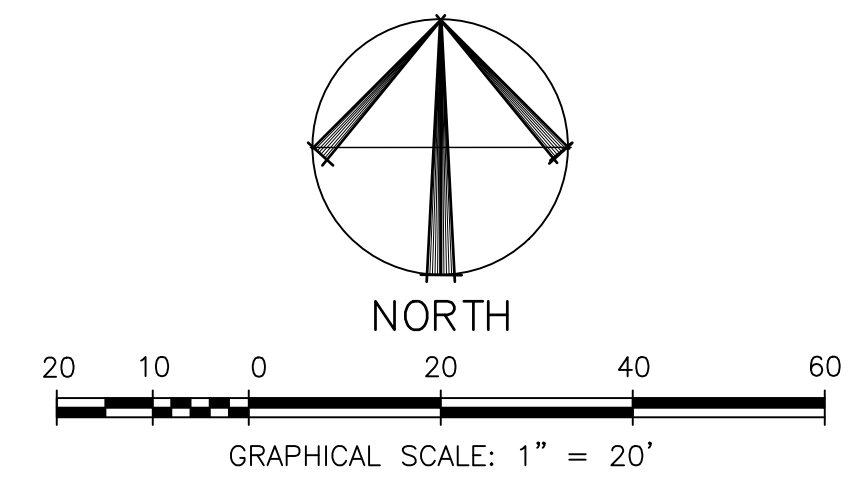


**NOTES**

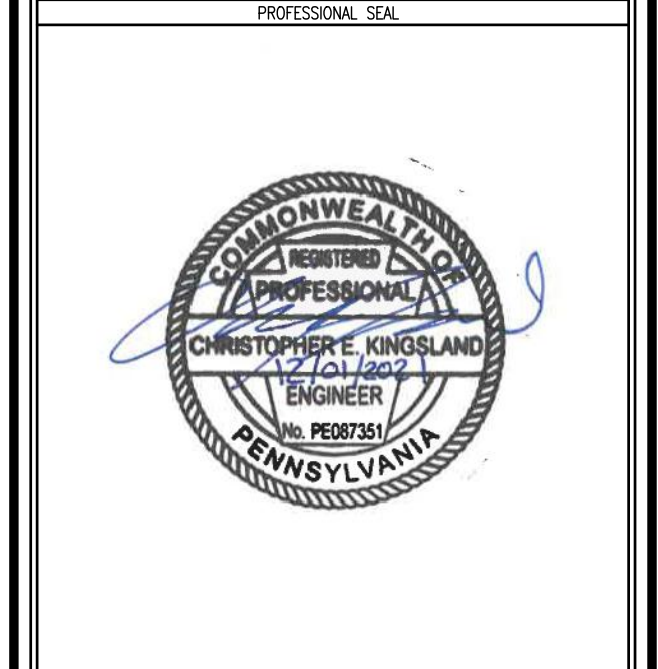
- 1) SEE SHEET C 1 03 FOR PROPOSED IMPROVEMENTS LEGEND

**EXISTING LEGEND**

- SITE —
- STEAM LINE
- POWER LINE
- GAS PIPE
- UGT — UGT — COMMUNICATION LINE
- WATER PIPE
- STORM PIPE
- STORMSEWER PIPE
- BRICK PAVERS
- COBBLESTONE PAVERS
- PROPOSED CONCRETE



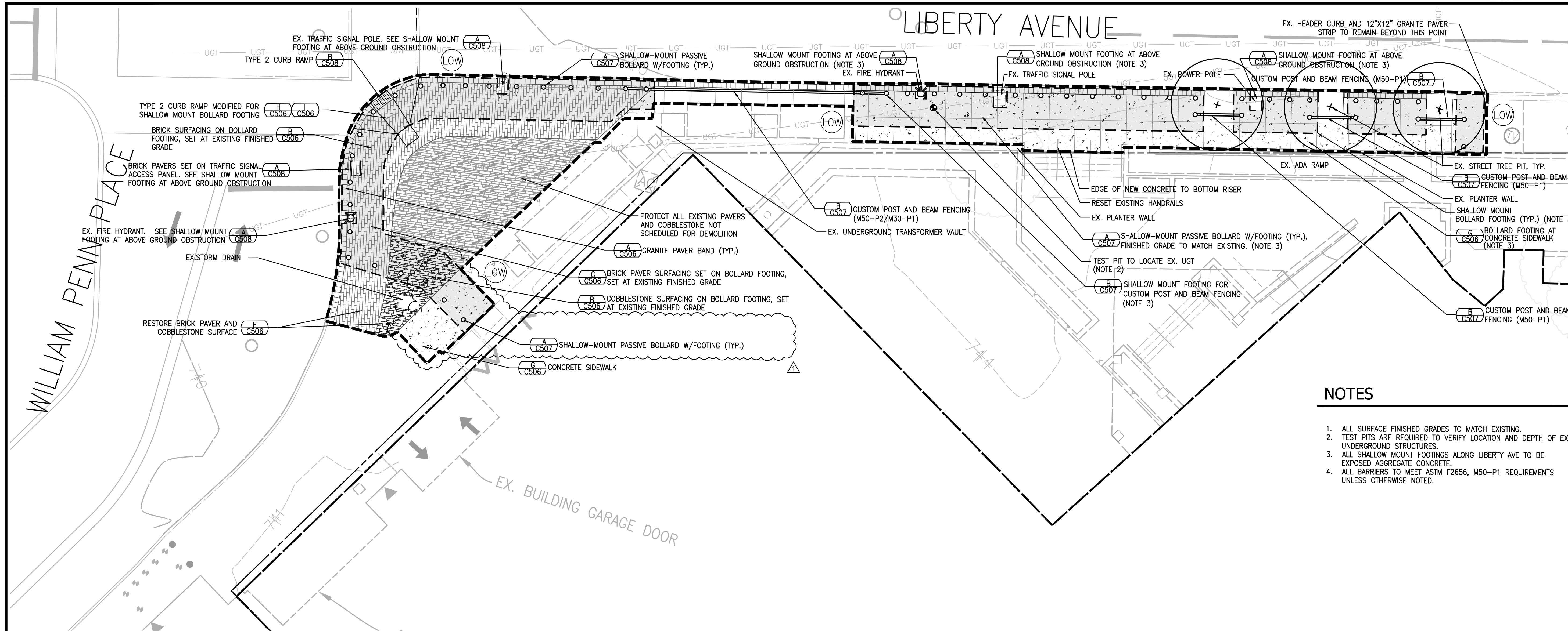
KEY PLAN



REVISION NUMBER	REVISION DESCRIPTION	REVISION DATE
1	AMENDMENT #1	4/22/22

DATE	GSO39160KD07014 TASK NO: 47P00120F0011		
CONSTRUCT	N/A		
PRIME A/E	THE ONYX GROUP		
ADDRESS	1025 N WASHINGTON ST, STE 304		
CITY	ALEXANDRIA		
STATE	VA 222314		
PROJ. MGR.	ENOS, C		
CLIENT A/E	GORDON		
ADDRESS	4501 DALY DRIVE, SUITE 200		
CITY	CHANTILLY		
STATE	VA 20151		
CLIENT A/E	EHLERT BRYAN		
ADDRESS	1809 WESTWOOD CENTER DR		
CITY	TYSONS		
STATE	VA 22182		
NAME	MOORHEAD FEDERAL BUILDING		
ADDRESS	1000 LIBERTY AVE		
CITY	PITTSBURGH		
STATE	PA		
ZIP CODE	15222		
BUILD NO.	PA023322		
ADDITIONAL FACILITY	N/A		
ADDITIONAL FACILITY NO.	N/A		
TITLE	BLAST FILM AND BOLLARD DESIGN		
DESCRIPTION			
SUBMISSION	FINAL CONSTRUCTION DOCUMENTS	SUB. DATE	DECEMBER 1, 2011
DESIGNER	GABRIELLE TROJIT		
PROJ. NO.	RPA7890.3		
DRAWN BY	W. PEART	DATE DRAWN	NOVEMBER 12, 2011
CHECKED BY	R. WALKER	DATE CHECKED	NOVEMBER 12, 2011
FILE NAME			
DRAWING NO.			
TITLE	SITE PLAN		
NUMBER	C	1	02
DISCIPLINE	SHEET TYPE	SEQUENCE	

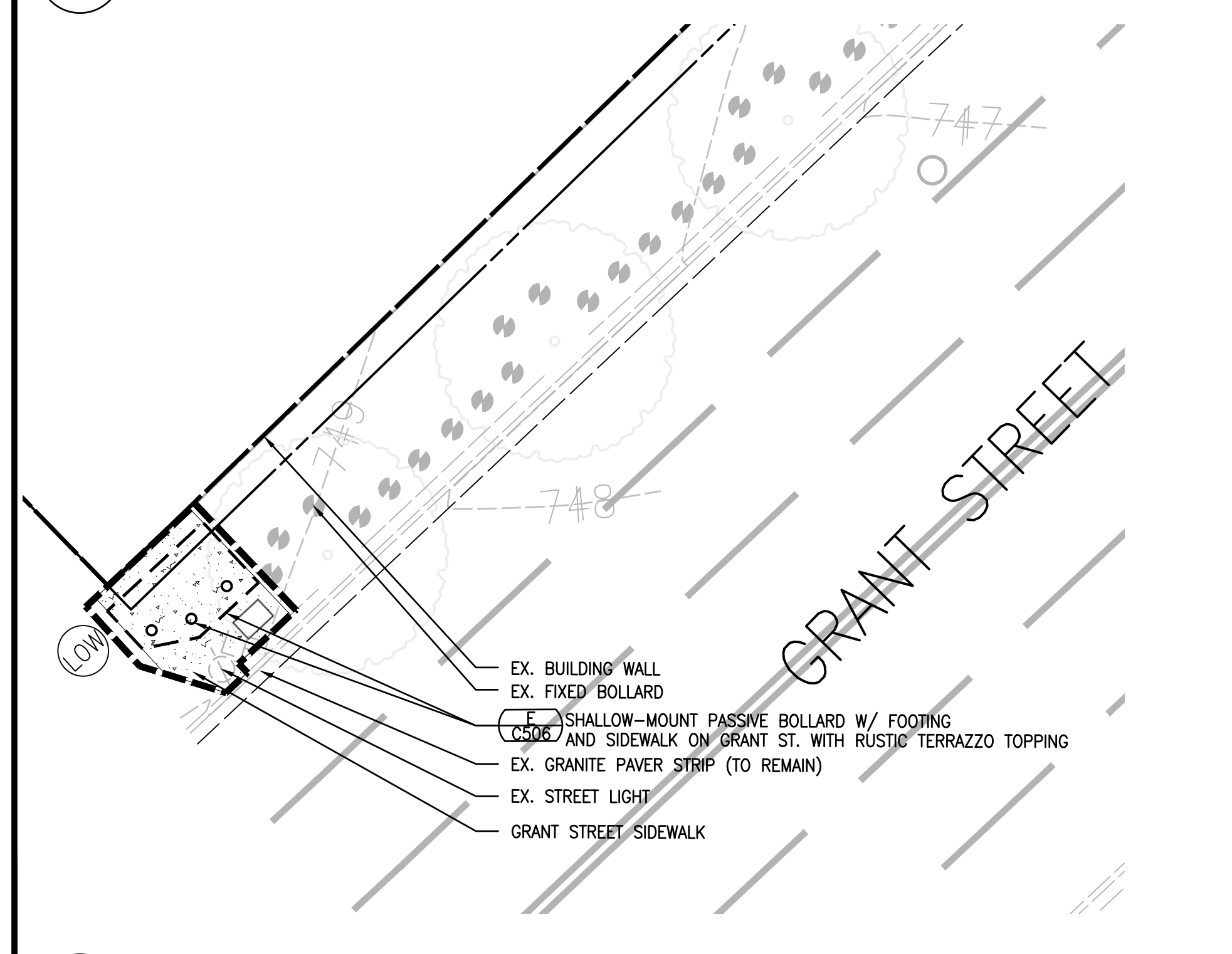




**NOTES**

1. ALL SURFACE FINISHED GRADES TO MATCH EXISTING.
2. TEST PITS ARE REQUIRED TO VERIFY LOCATION AND DEPTH OF EX. UNDERGROUND STRUCTURES.
3. ALL SHALLOW MOUNT FOOTINGS ALONG LIBERTY AVE TO BE EXPOSED AGGREGATE CONCRETE.
4. ALL BARRIERS TO MEET ASTM F2656, M50-P1 REQUIREMENTS UNLESS OTHERWISE NOTED.

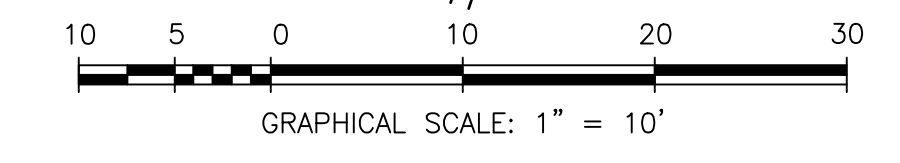
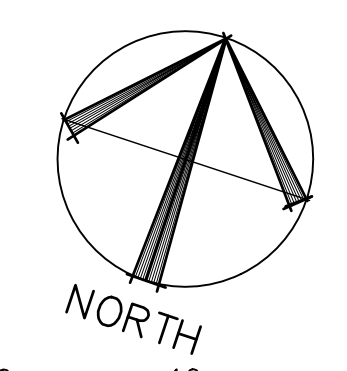
**1 LIBERTY AVE AND WILLIAM PENN PLACE ENLARGEMENT**  
SCALE: 1"=10'



**2 GRANT STREET ENLARGEMENT**  
SCALE: 1"=10'

**LEGEND**

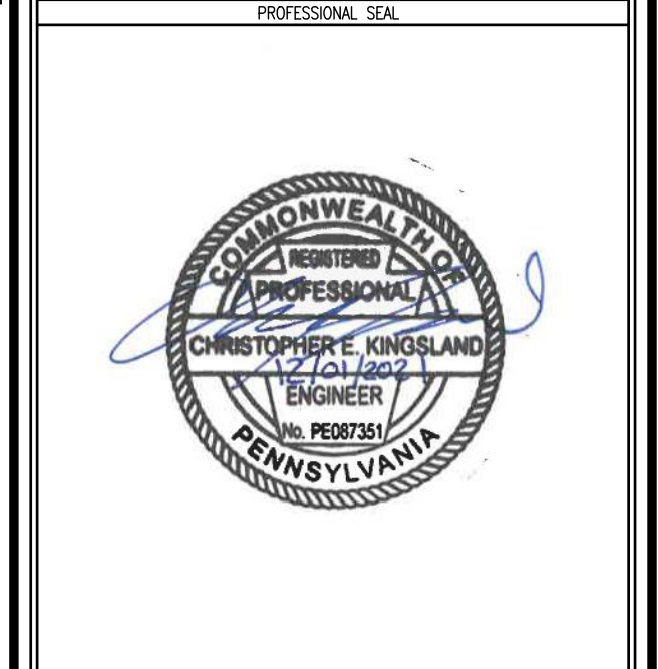
- EX. COBBLESTONE
- COBBLESTONE
- EX. BRICK PAVERS
- BRICK PAVERS
- POURED CONCRETE
- EX. CONCRETE
- SHALLOW MOUNT PASSIVE BOLLARD AND FOOTING
- EDGE OF FOOTING
- CUSTOM POST AND RAIL FENCING
- EDGE OF FOOTING
- LIMITS OF WORK
- TEST PIT
- EX. OFFSITE BOLLARD
- PROPOSED STREET TREE



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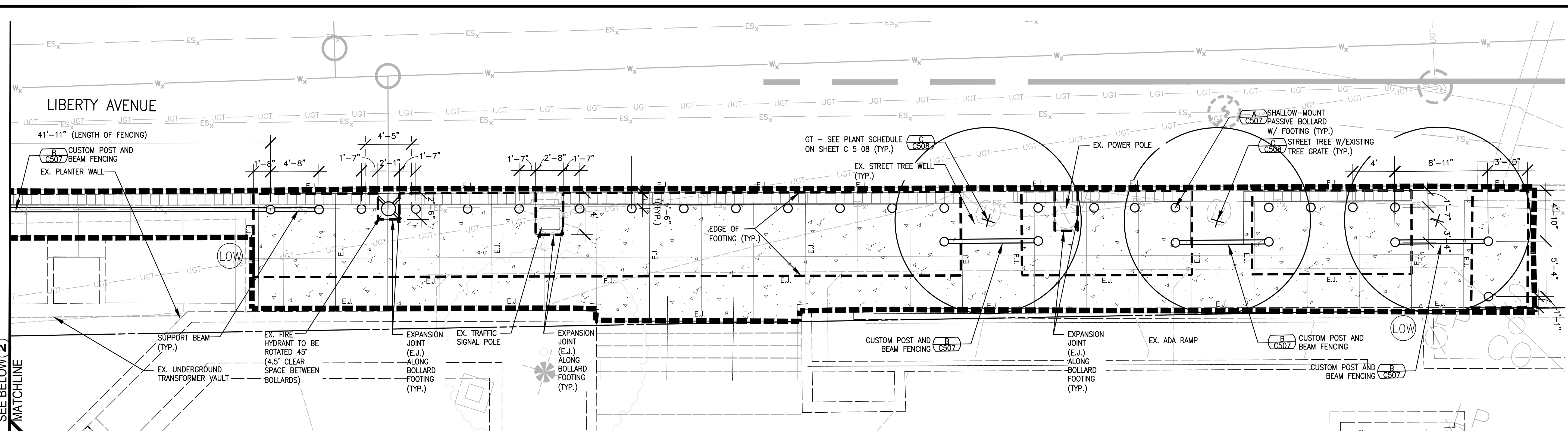


KEY PLAN

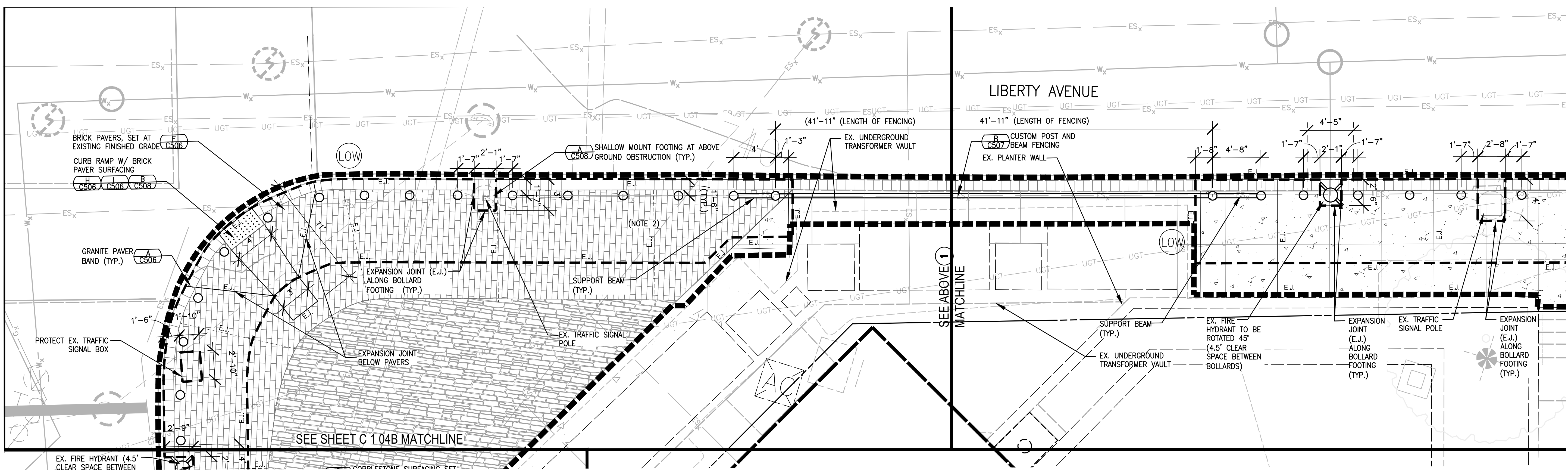


REVISION NUMBER	REVISION DESCRIPTION	REVISION DATE
1	AMENDMENT #1	4/22/22

CONTRACT NO.	GSO39160X07014 TASK NO: 47P00120F0011
CONTRACTOR	N/A
PRIME A/E	THE ONYX GROUP
ADDRESS	1825 N WASHINGTON ST, STE 304
CITY	ALEXANDRIA
STATE	VA 222314
PROJ. MGR.	ENOS, C
SUB A/E	GORDON
ADDRESS	4501 DALY DRIVE, SUITE 200
CITY	CHANTILLY
STATE	VA 20151
SUB A/E	EHLERT BRYAN
ADDRESS	1809 WESTWOOD CENTER DR
CITY	TYSONS
STATE	VA 22182
NAME	MOORHEAD FEDERAL BUILDING
ADDRESS	1000 LIBERTY AVE
CITY	PITTSBURGH
STATE	PA 15222
BUILDING NO.	PA02332Z
ADD'L FACILITY	N/A
ADD'L FACNO.	N/A
TITLE	BLAST FILM AND BOLLARD DESIGN
DESCRIPTION	
SUBMISSION	FINAL CONSTRUCTION DOCUMENTS
SUB. DATE	DECEMBER 1, 2011
PROJ. MGR.	GABRIELLE TROUT
PROJ. NO.	RP7890.3
DRAWN BY	W. PEART
DATE DRAWN	NOVEMBER 12, 2011
CHK. BY	R. WALKER
DATE CHK.	NOVEMBER 12, 2011
FILE NAME	
FLOOR NO.	
TITLE	LAYOUT AND MATERIALS PLAN
NUMBER	C 1 03
DISCIPLINE	SHEET TYPE
SEQUENCE	



1 **LIBERTY AVE BOLLARD ENLARGEMENT**  
SCALE: 1"=5'

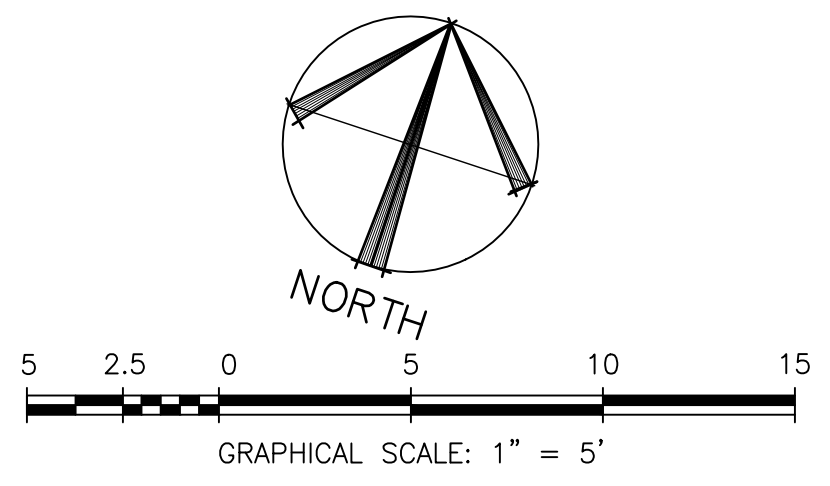


2 **LIBERTY AVE CUSTOM POST AND BEAM ENLARGEMENT**  
SCALE: 1"=5'

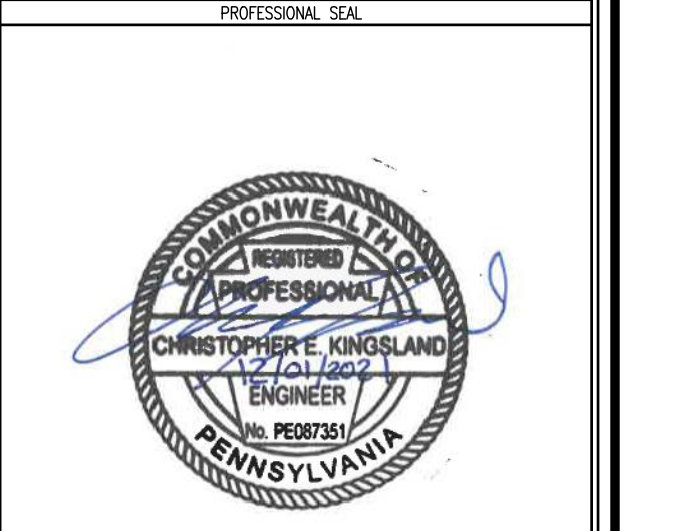
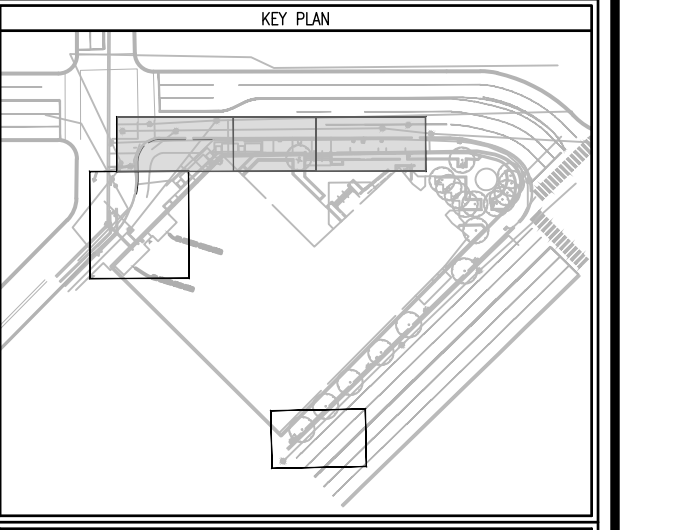
- NOTES**
1. ALL JOINTS IN BARRIER FOUNDATION SHALL BE PER MANUFACTURER'S RECOMMENDATIONS AND INSTALLATION REQUIREMENTS. JOINTS IN BARRIER FOUNDATION SHOWN FOR INFORMATIONAL/BIDDING PURPOSES ONLY.
  2. EXPANSION JOINT AROUND ALL BOLLARDS AT JUNCTION WITH BRICK PAVERS.
  3. EXPANSION JOINTS UNDER BRICK PAVERS AT 15'± INTERVALS PERPENDICULAR TO CURB (SEE DETAIL F SHEET C 506)

**LEGEND**

EXPANSION JOINT IN CONCRETE	— E.J. —
EXPANSION JOINT UNDER BRICK PAVER	- - - E.J. - - -
CONTROL JOINT IN CONCRETE	— C.J. —

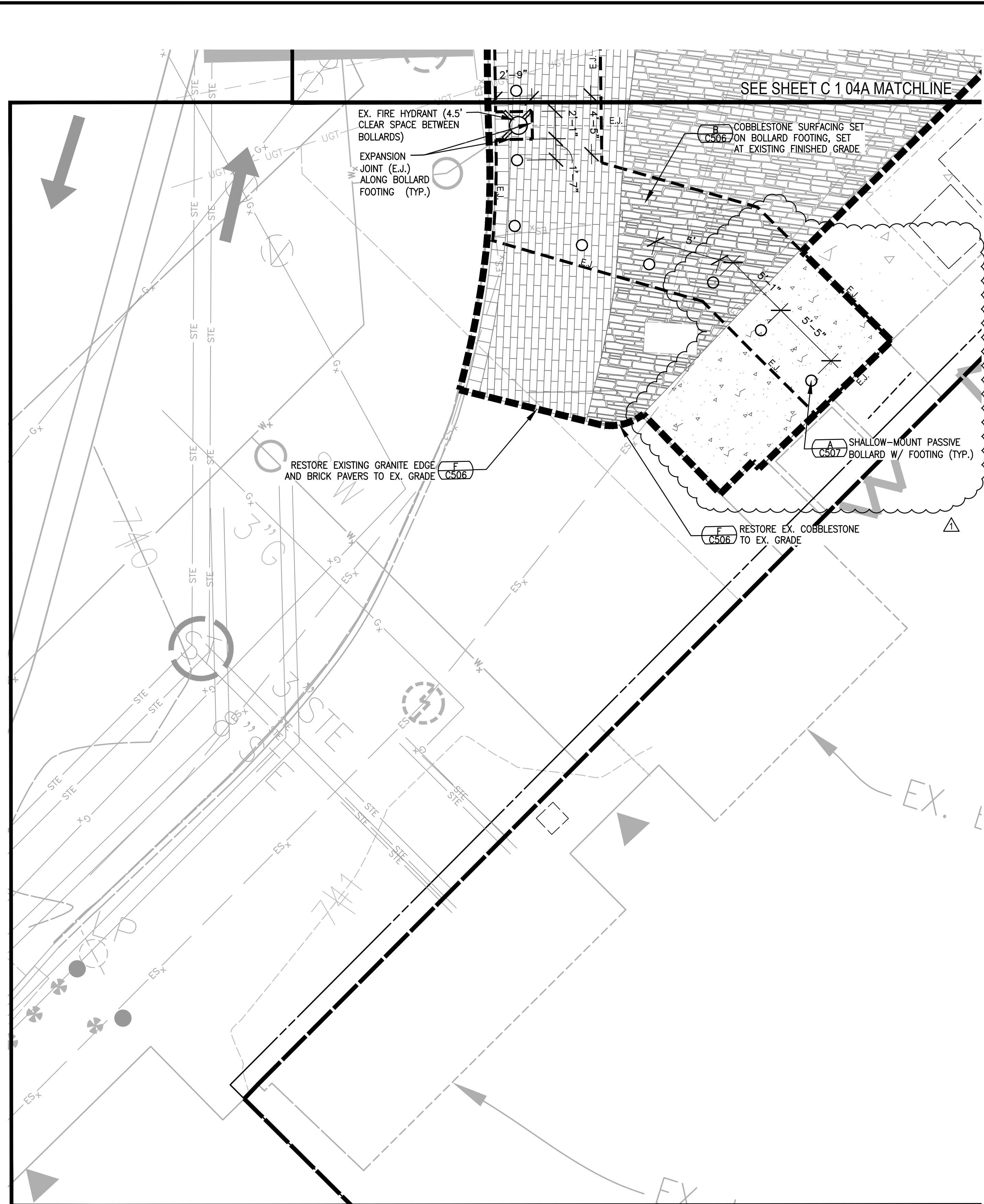


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REVISION NUMBER	REVISION DESCRIPTION	REVISION DATE

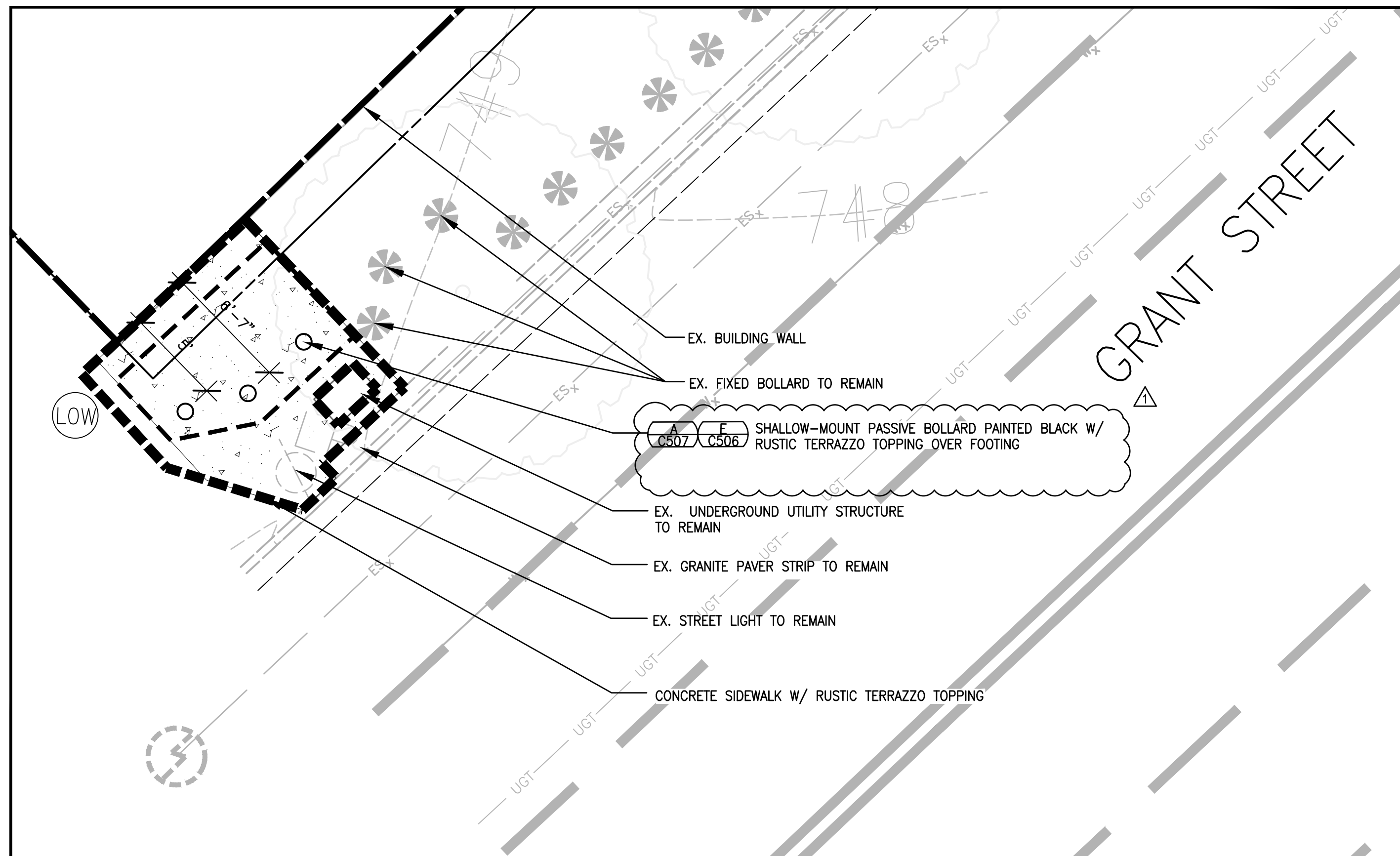
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TASK NO.:	47P00122F0011
CONTRACTOR:	N/A
PRIME A/E:	THE ONYX GROUP
ADDRESS:	1825 N WASHINGTON ST, STE 304
CITY:	ALEXANDRIA
PROJ. WBS:	ENOS, C
VICINITY:	VA 222314
OWNER:	
SUB A/E:	GORDON
ADDRESS:	4501 DALY DRIVE, SUITE 200
CITY:	CHANTILLY
STATE:	VA
ZIP:	20151
SUB A/E:	EHLERT BRYAN
ADDRESS:	1809 WESTWOOD CENTER DR
CITY:	TYSONS
STATE:	VA
ZIP:	22182
NAME:	MOORHEAD FEDERAL BUILDING
ADDRESS:	1000 LIBERTY AVE
CITY:	PITTSBURGH
STATE:	PA
ZIP:	15222
BUILDING NO.:	PA023322
ADD'L FACILITY:	N/A
ADD'L FACILITY NO.:	N/A
TITLE:	BLAST FILM AND BOLLARD DESIGN
DESCRIPTION:	
PROJECT:	
SUBMISSION:	FINAL CONSTRUCTION DOCUMENTS
SUB DATE:	DECEMBER 1, 2011
DRAWN BY:	GABRIELLE TROJIT
PROJ. NO.:	RPA7890.3
DRAWN BY:	W.PEART
DATE DRAWN:	NOVEMBER 12, 2011
CHK BY:	R.WALKER
DATE CHKD:	NOVEMBER 12, 2011
FILE NAME:	
FLOOR NO.:	
TITLE:	SITE PLAN ENLARGEMENTS
NUMBER:	C 1 04A
DISCIPLINE:	
SHEET TYPE:	
SEQUENCE:	



**3 WILLIAM PENN PL ENLARGEMENT**  
SCALE: 1"=5'

**LEGEND**

EXPANSION JOINT IN CONCRETE	— E.J. —
EXPANSION JOINT UNDER BRICK PAVER	- - - E.J. - - -
CONTROL JOINT IN CONCRETE	— C.J. —



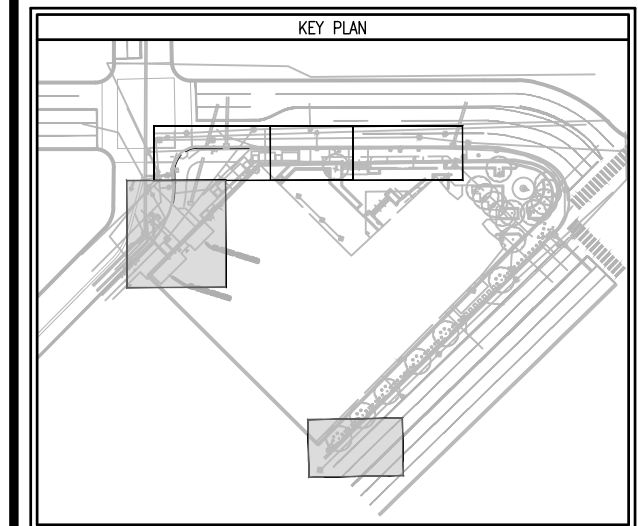
**4 GRANT STREET ENLARGEMENT**  
SCALE: 1"=5'

**NOTES**

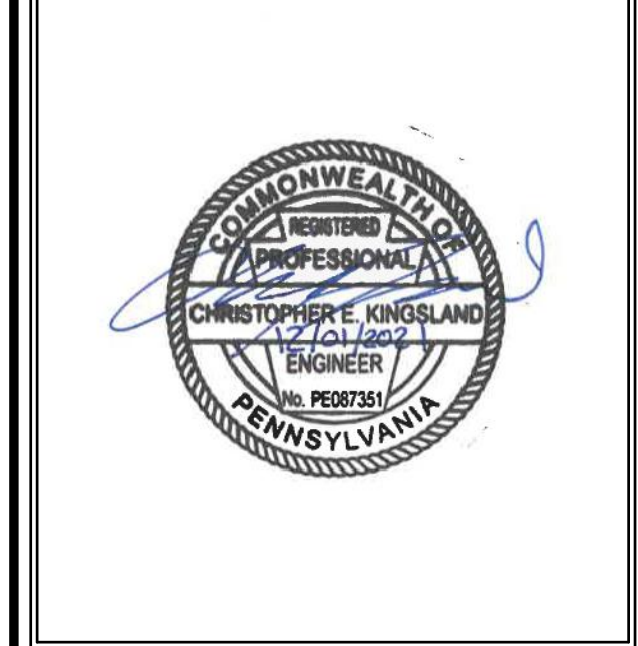
1. ALL JOINTS IN BARRIER FOUNDATION SHALL BE PER MANUFACTURER'S RECOMMENDATIONS AND INSTALLATION REQUIREMENTS. JOINTS IN BARRIER FOUNDATION SHOWN FOR INFORMATIONAL/BIDDING PURPOSES ONLY.
2. EXPANSION JOINT AROUND ALL BOLLARDS AT JUNCTION WITH BRICK PAVERS.
3. EXPANSION JOINT AROUND EDGE OF ALL BOLLARD FOOTINGS.

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Philadelphia, PA 19106-2320

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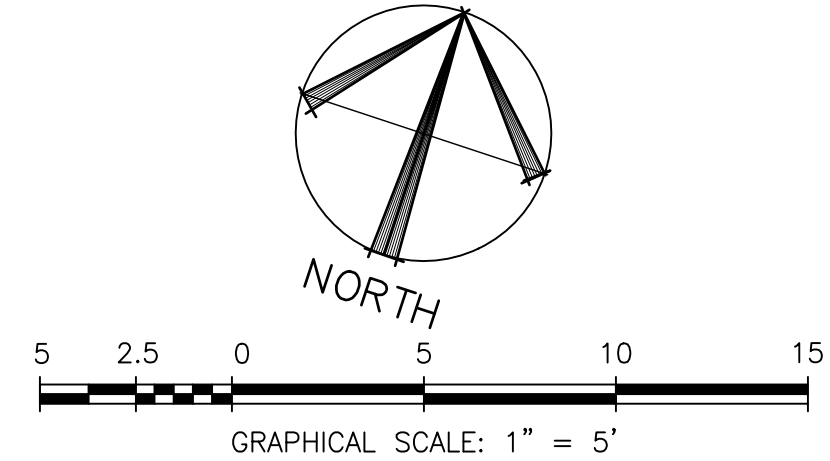
PROFESSIONAL SEAL

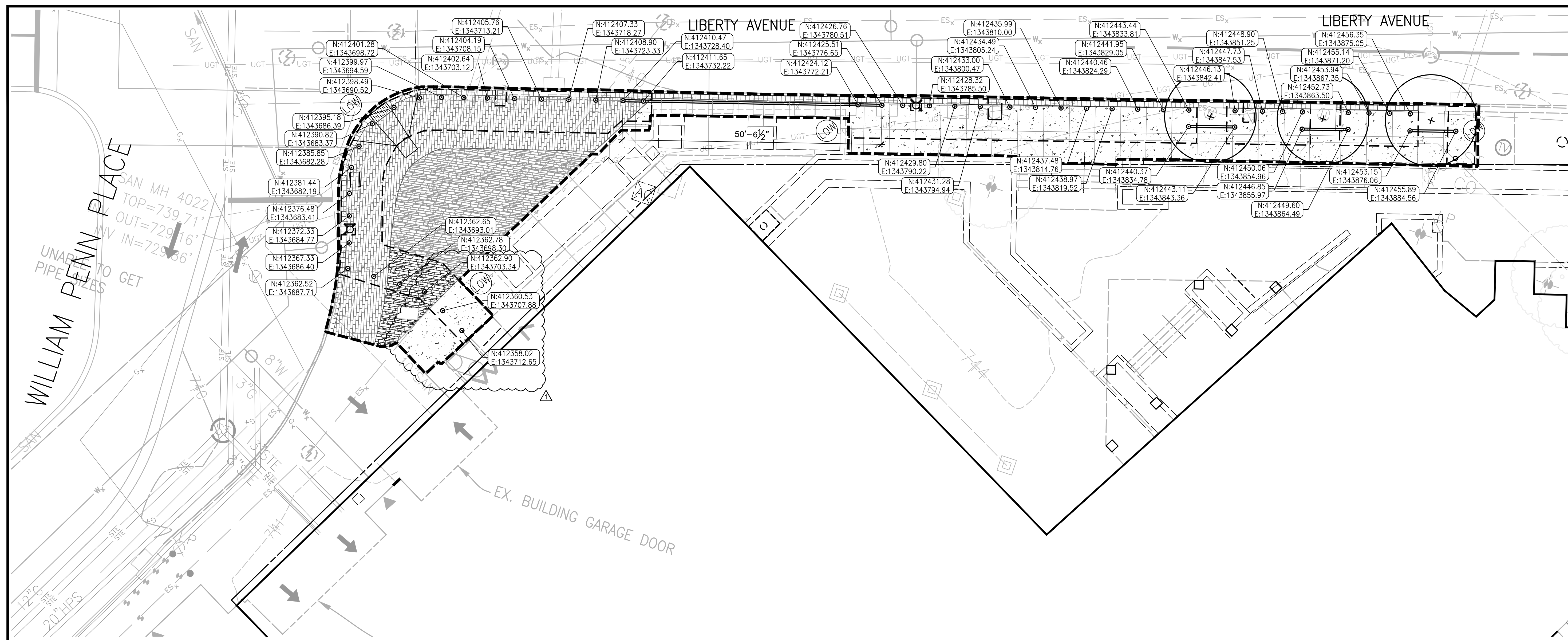


REVISION NUMBER	REVISION DESCRIPTION	REVISION DATE
1	AMENDMENT #1	4/22/22

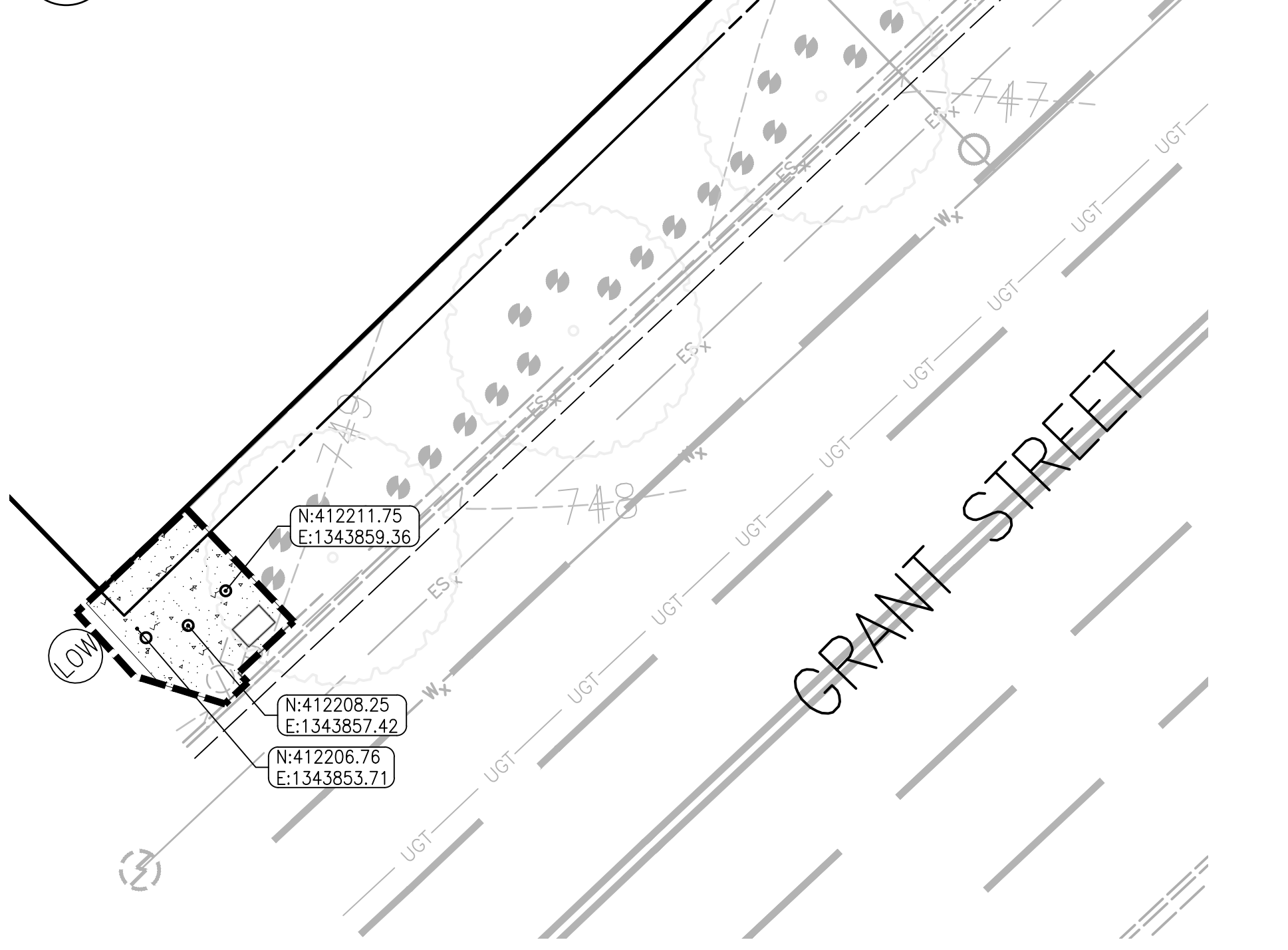
GRAPHIC SCALE

CONTROL NO.	GS039160X07014 TASK NO: 47P00120F0011
CONTRACT	N/A
PRIME A/E	THE ONYX GROUP
ADDRESS	1825 N WASHINGTON ST, STE 304
CITY	ALEXANDRIA
STATE	VA 222314
PROJ. MGR.	ENOS, C
OWNER	GORDON
ADDRESS	4501 DALY DRIVE, SUITE 200
CITY	CHANTILLY
STATE	VA 20151
OWNER	EHLERT BRYAN
ADDRESS	1809 WESTWOOD CENTER DR
CITY	TYSONS
STATE	VA 22182
BUILDING NAME	MOORHEAD FEDERAL BUILDING
ADDRESS	1000 LIBERTY AVE
CITY	PITTSBURGH
STATE	PA
ZIP CODE	15222
BUILD NO.	PA02332Z
ADDITIONAL FACILITY	N/A
ADDITIONAL FACILITY NO.	N/A
TITLE	BLAST FILM AND BOLLARD DESIGN
DESCRIPTION	
SUBMISSION	FINAL CONSTRUCTION DOCUMENTS
SUB. DATE	DECEMBER 1, 2011
DESIGNER	GABRIELLE TROJIT
PROJ. NO.	RPA7890.3
DRAWN BY	W. PEART
DATE DRAWN	NOVEMBER 12, 2011
CHKD BY	R. WALKER
DATE CHKD	NOVEMBER 12, 2011
FILE NAME	
FLOOR NO.	
TITLE	SITE PLAN ENLARGEMENTS
NUMBER	C 1 04B
DISCIPLINE	SHEET TYPE
SEQUENCE	





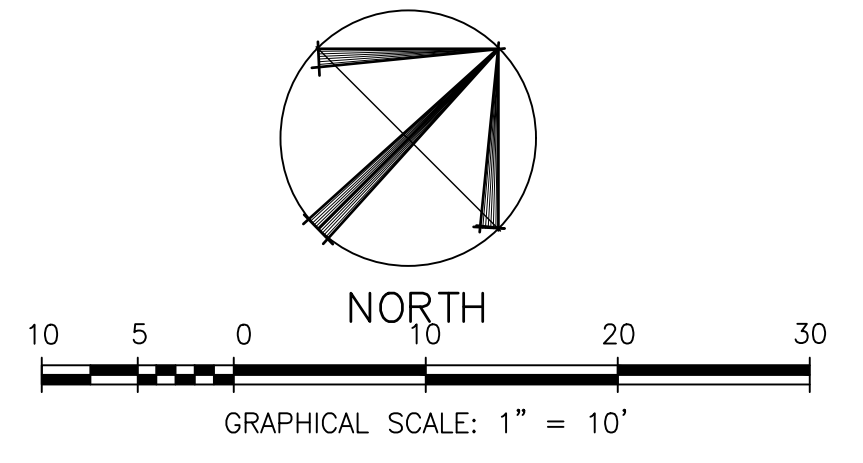
**1 LIBERTY AVE AND WILLIAM PENN PLACE ENLARGEMENT**  
 SCALE: 1"=10'



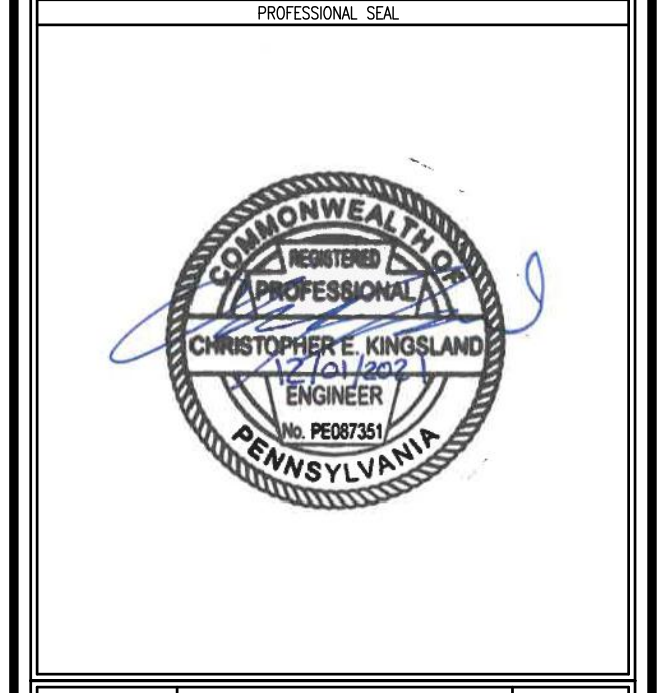
**3 GRANT STREET ENLARGEMENT**  
 SCALE: 1"=10'

**LEGEND**

- EX. COBBLESTONE
- PROPOSED BRICK PAVERS
- PROPOSED POURED CONCRETE
- EX. CONCRETE
- PROPOSED SHALLOW MOUNT PASSIVE BOLLARD
- PROPOSED SWING GATE MAINTENANCE ACCESS
- PROPOSED CUSTOM POST AND RAIL FENCING
- LIMITS OF WORK
- TEST PIT

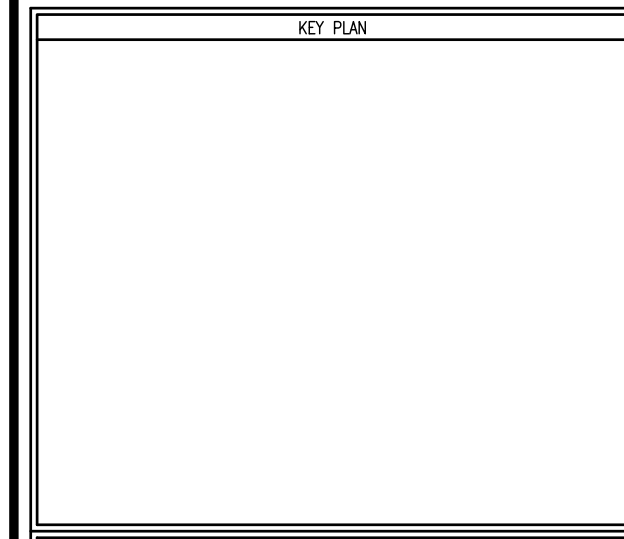


KEY PLAN



REVISION NUMBER	REVISION DESCRIPTION	REVISION DATE
1	AMENDMENT #1	4/22/22

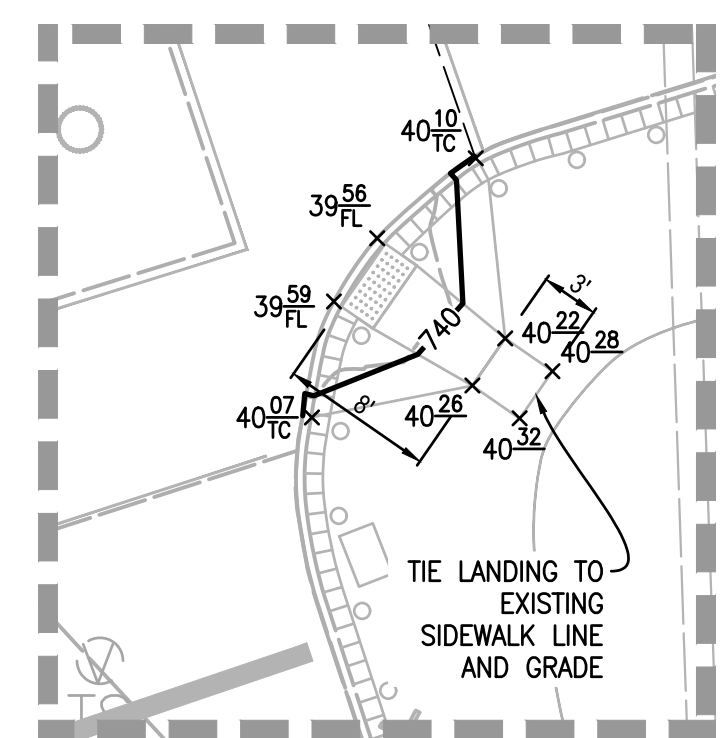
CONTRACT NO.	GSO39160KD7014 TASK NO: 47P00120F0011
CONTRACTOR	N/A
PRIME A/E	THE ONYX GROUP
ADDRESS	1825 N WASHINGTON ST, STE 304
CITY	ALEXANDRIA
STATE	VA 222314
PROJ. MGR.	ENOS, C
SUB A/E	GORDON
ADDRESS	4501 DALY DRIVE, SUITE 200
CITY	CHANTILLY
STATE	VA 20151
SUB A/E	EHLERT BRYAN
ADDRESS	1809 WESTWOOD CENTER DR
CITY	TYSONS
STATE	VA 22182
NAME	MOORHEAD FEDERAL BUILDING
ADDRESS	1000 LIBERTY AVE
CITY	PITTSBURGH
STATE	PA 15222
BLDG. NO.	PA02332Z
ADD'L FACILITY	N/A
ADD'L FACID.	N/A
TITLE	BLAST FILM AND BOLLARD DESIGN
DESCRIPTION	
SUBMISSION	FINAL CONSTRUCTION DOCUMENTS
DATE	DECEMBER 1, 2021
DESIGNER	GABRIELLE TROUT
PROJ. NO.	RP47890.3
DRAWN BY	W.PEART
DATE DRAWN	NOVEMBER 12, 2021
CHK BY	R.WALKER
DATE CHKD	NOVEMBER 12, 2021
FILE NAME	
FLOOR NO.	
TITLE	DIMENSIONING PLAN
NUMBER	C 1 04C
DISCIPLINE	SHEET TYPE
SEQUENCE	



REVISION NUMBER	REVISION DESCRIPTION	REVISION DATE
1	AMENDMENT #1	4/22/22

GRAPHIC SCALE
---------------

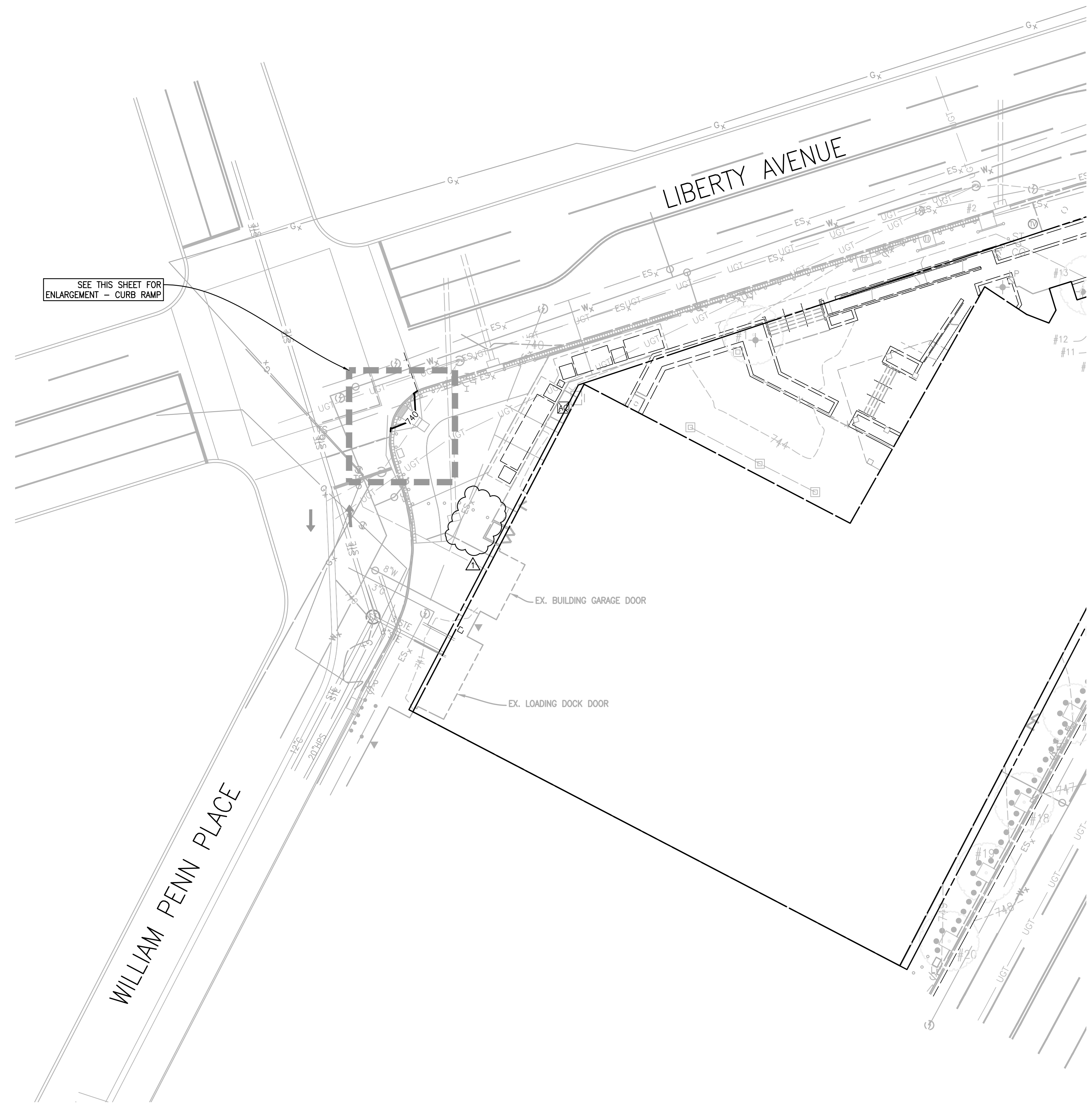
CONTRACT NO.	GS039160X07014 TASK NO: 47P00120F0011
CONTRACTOR	N/A
PRIME A/E	THE ONYX GROUP
ADDRESS	1025 N WASHINGTON ST, STE 304
CITY	ALEXANDRIA
STATE	VA 222314
PROJ. MGR.	ENOS, C
SUB A/E	GORDON
ADDRESS	4501 DALY DRIVE, SUITE 200
CITY	CHANTILLY
STATE	VA 20151
SUB A/E	EHLERT BRYAN
ADDRESS	1809 WESTWOOD CENTER DR
CITY	TYSONS
STATE	VA 22182
NAME	MOORHEAD FEDERAL BUILDING
ADDRESS	1000 LIBERTY AVE
CITY	PITTSBURGH
STATE	PA 15222
BLDG. NO.	PA02332Z
ADD'L FACILITY	N/A
ADD'L FACNO.	N/A
TITLE	BLAST FILM AND BOLLARD DESIGN
DESCRIPTION	
SUBMISSION	FINAL CONSTRUCTION DOCUMENTS
DATE	DECEMBER 1, 2011
PROJ. MGR.	GABRIELLE TROJIT
PROJ. NO.	RPA7890.3
DRAWN BY	W. PEART
DATE DRAWN	NOVEMBER 12, 2011
CHKD BY	R. WALKER
DATE CHKD	NOVEMBER 12, 2011
FILE NAME	
FLOOR NO.	
TITLE	GRADING AND DRAINAGE PLAN
NUMBER	C 1 05
DISCIPLINE	SHEET TYPE
SEQUENCE	



**NOTE**  
 1. REFERENCE DETAIL B ON SHEET C 5 08 FOR ADDITIONAL INFORMATION.

**GRADING ENLARGEMENT - CURB RAMP**

SCALE: 1" = 10'



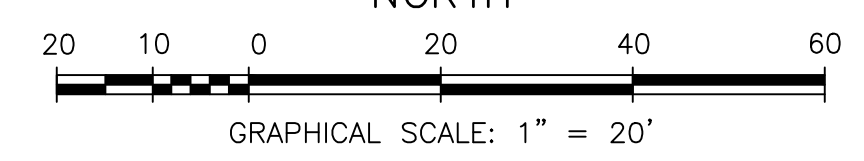
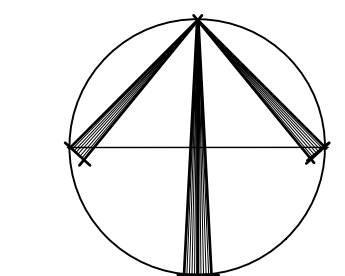
SEE THIS SHEET FOR ENLARGEMENT - CURB RAMP

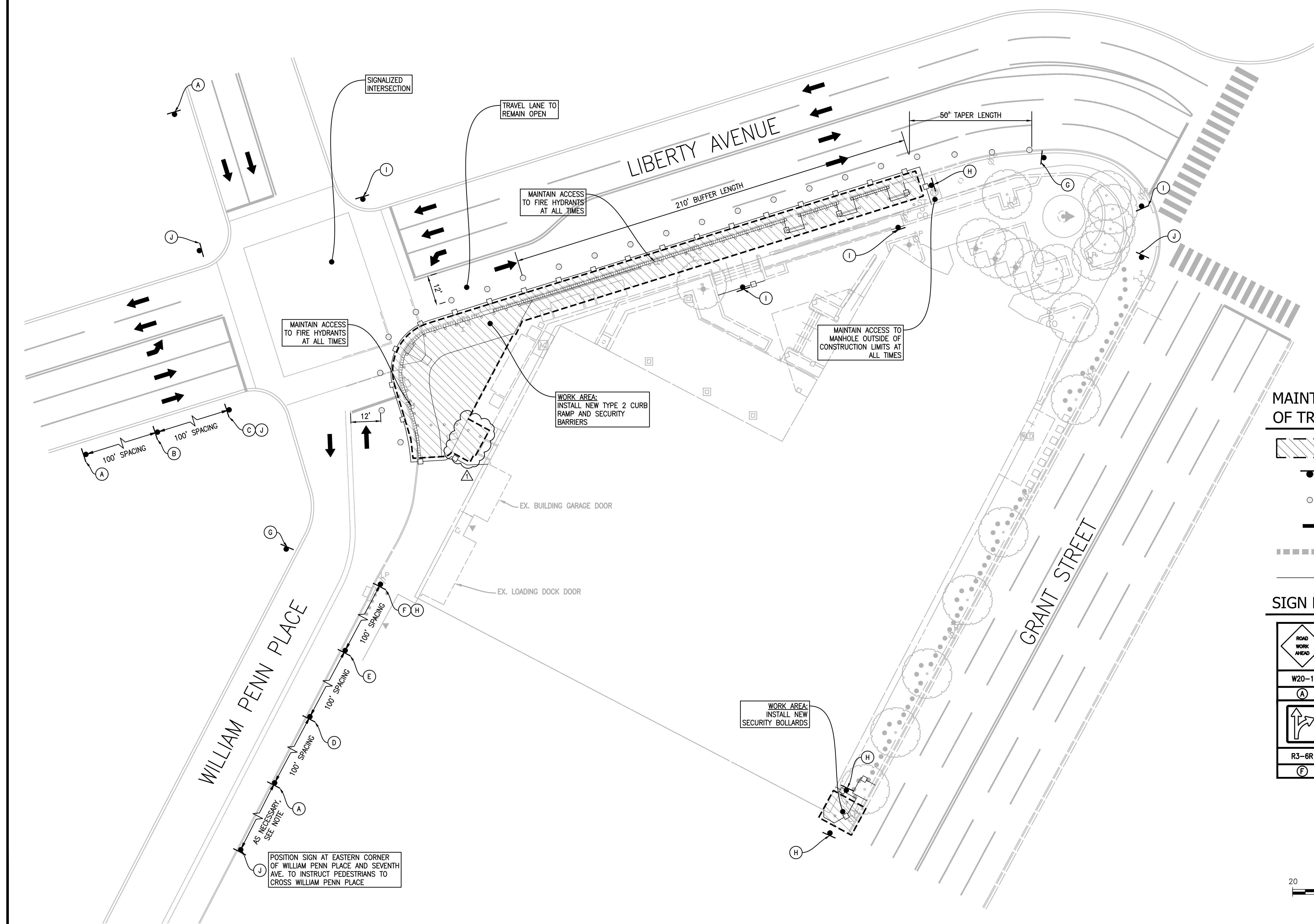
**GRADING LEGEND**

- 65 — PROPOSED CONTOUR
- - - 65 - - - EXISTING CONTOUR
- 1.0% SLOPE
- × 66 4/6 GROUND ELEVATION
- × 66 4/7 EP EDGE OF PAVEMENT ELEVATION
- × 66 4/7 TC TOP OF CURB ELEVATION
- × 66 4/7 EX EXISTING GROUND ELEVATION
- × 66 4/7 BC BACK OF SANDSTONE CURB ELEVATION
- × 66 4/7 FL FLOW LINE ELEVATION

**LEGEND**

- STEAM LINE
- POWER LINE
- GAS PIPE
- UGT — UGT COMMUNICATION LINE
- WATER PIPE
- STORM PIPE
- STORMSEWER PIPE
- BRICK PAVERS
- COBBLESTONE PAVERS



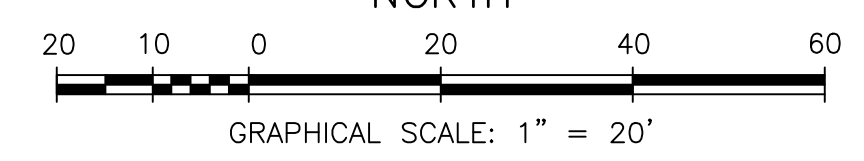
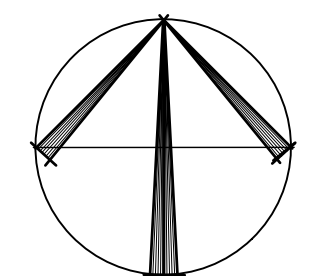


**MAINTENANCE AND PROTECTION OF TRAFFIC (MPT) LEGEND**

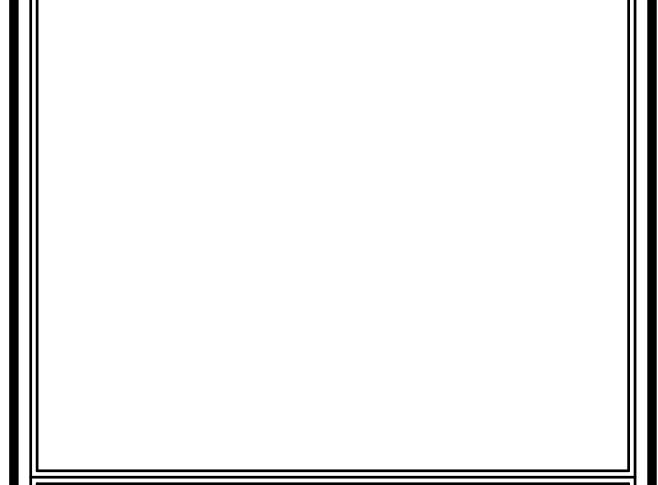
- WORK AREA
- NEW TEMPORARY TRAFFIC SIGN
- TRAFFIC CHANNELIZATION DEVICE
- TRAFFIC FLOW ARROW (FOR INFORMATION PURPOSES ONLY)
- PEDESTRIAN ROUTE
- CHAINLINK CONSTRUCTION FENCE

**SIGN LEGEND**

W20-1 (A)	W20-5R (B)	W4-2R (C)	W20-V13R (D)	W20-V13R (E)
R3-6R (F)	G20-2 (G)	R9-9 (H)	R9-11R (I)	R9-11L (J)



KEY PLAN



REVISION NUMBER	REVISION DESCRIPTION	REVISION DATE
1	AMENDMENT #1	4/22/22

CONTRACT	GSO39160X07014 TASK NO: 47P00120F0011
CONTRACTOR	N/A
PRIME A/E	THE ONYX GROUP
ADDRESS	1825 N WASHINGTON ST, STE 304 ALEXANDRIA VA 222314
PROJ. MGR.	ENOS, C
SUB A/E	GORDON
ADDRESS	4501 DALY DRIVE, SUITE 200 CHANTILLY VA 20151
SUB A/E	LEHRT BRYAN
ADDRESS	1809 WESTWOOD CENTER DR TYSONS VA 22182
NAME	MOORHEAD FEDERAL BUILDING
ADDRESS	1000 LIBERTY AVE PITTSBURGH PA 15222
BLDG. NO.	PA02332Z
ADD'L FACILITY	N/A
ADD'L FACNO.	N/A
TITLE	BLAST FILM AND BOLLARD DESIGN
DESCRIPTION	
SUBMISSION	FINAL CONSTRUCTION DOCUMENTS SUB DATE: FEBRUER 1, 2021
DESIGNER	PROJ. MGR: GABRIELLE TROUT
PROJ. NO.	RP07890.3
DRAWN BY	W. PEART DATE DRAWN: NOVEMBER 12, 2021
CHKD BY	R. WALKER DATE CHKD: NOVEMBER 12, 2021
FILE NAME	
FLOOR NO.	
TITLE	MPT PLAN
NUMBER	C 1 07
DISCIPLINE	SHEET TYPE SEQUENCE



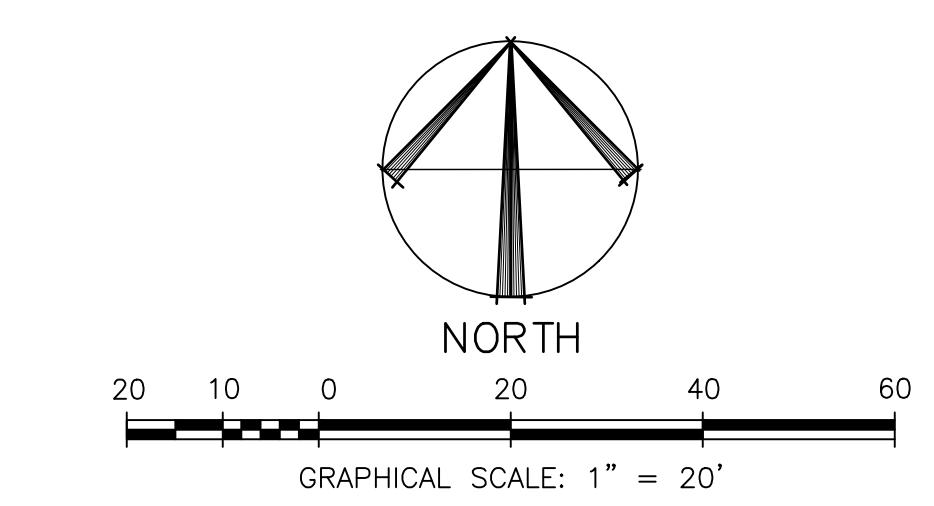
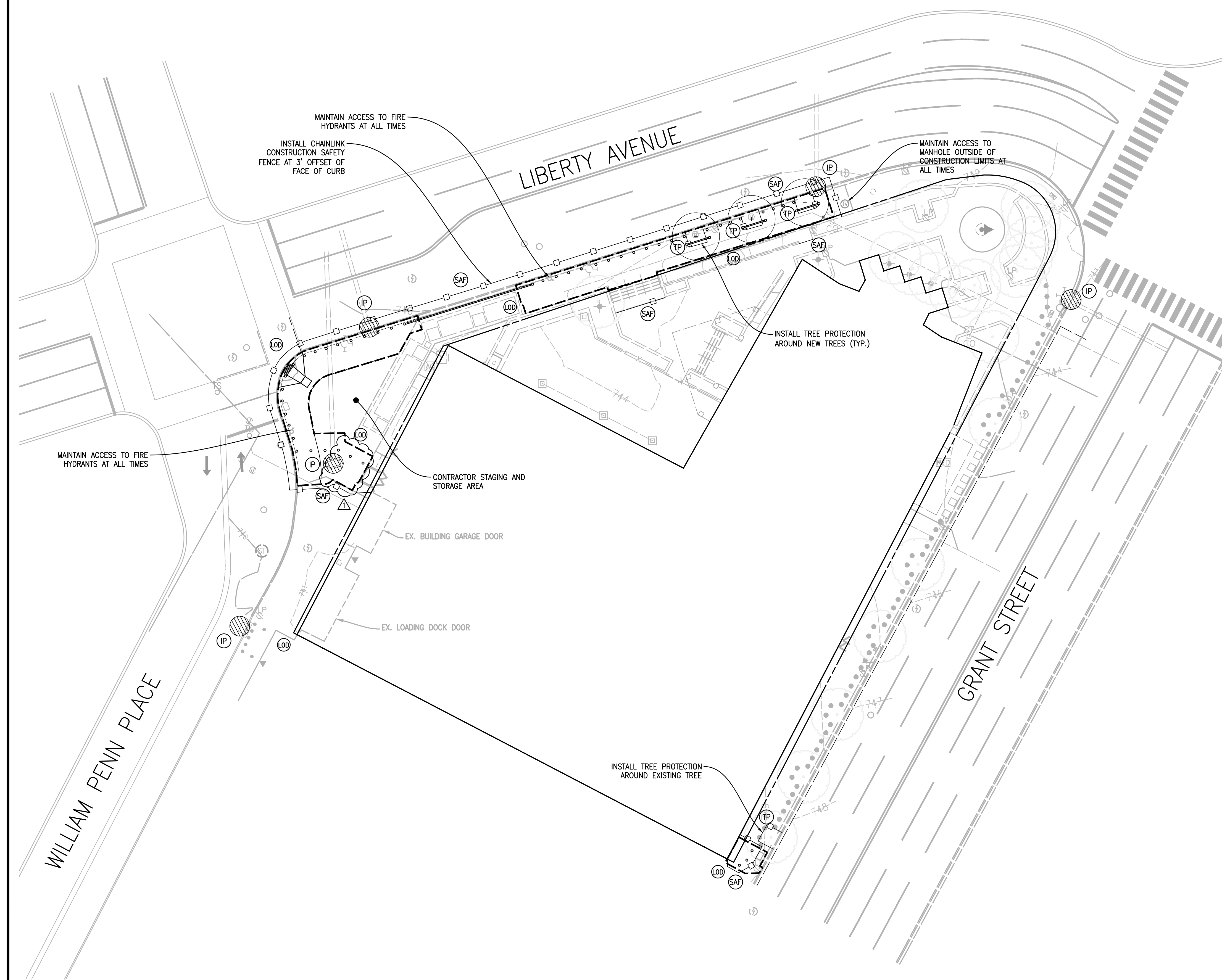
SOILS MAP LEGEND:		
MAP UNIT SYMBOL	MAP UNIT NAME	HYDROLOGIC SOIL GROUP
UB	URBAN LAND	C
URB	URBAN LAND-RAINSBORO COMPLEX	C

EROSION/SEDIMENT CONTROL LEGEND			
KEY	SYMBOL	DESCRIPTION	DETAIL
IP		STORM DRAIN INLET PROTECTION	1 C 1 09
SAF		CHAINLINK CONSTRUCTION FENCE	2 C 1 09
TP		TREE PROTECTION	3 C 1 09
LOD		LIMITS OF DISTURBANCE (AREA WHERE SOILS ARE EXPOSED AND/OR DENUEDED)	

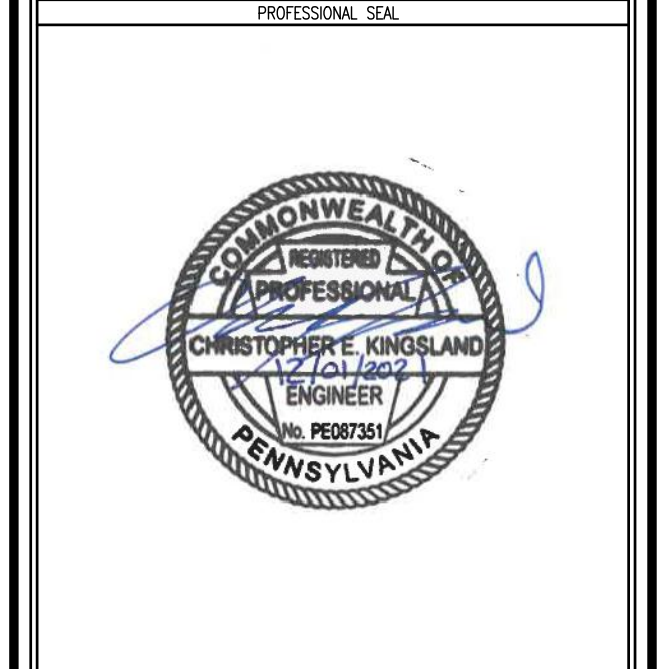
- NOTES**
- SEPARATION OF PERIMETER CONTROLS, CONSTRUCTION FENCE, AND LIMITS OF WORK (LOW) SHOWN FOR GRAPHICAL CLARITY ONLY.
  - CHAINLINK CONSTRUCTION FENCING SHALL BE PLACED AS NOTED.
  - SEE SHEET C 1 09 FOR EROSION AND SEDIMENT CONTROL DETAILS.
  - LIMITS OF DISTURBANCE (LOD) = 2,798 SF
  - LIMITS OF DISTURBANCE (LOD) DENOTES AREAS WHERE DENUEDED SURFACES (DISTURBED SOILS) MUST CONVEY TO A STABILIZED EROSION AND CONTROL PRACTICE.
  - LIMITS OF TEMPORARY CONSTRUCTION FENCING INDICATE AREAS THE CONTRACTOR MAY OCCUPY FOR AN EXTENDED PERIOD OF TIME INCLUDING THE DURATION OF EACH CONSTRUCTION PHASE. ALL SUPPLIES, MATERIALS, LAYDOWN AND STORAGE MUST BE WITHIN THE LIMITS OF TEMPORARY FENCING.
  - TEMPORARY FENCING IS REQUIRED AROUND ALL WORK. CONSTRUCTION CONTRACTOR SHALL ADJUST, RELOCATE, OR SUPPLY ADDITIONAL FENCING AS NECESSARY TO PERFORM WORK SHOWN WITHIN THE LIMITS OF CONSTRUCTION. ADDITIONAL PEDESTRIAN AND VEHICLE DETOURS SHALL BE SCHEDULED AND COORDINATED WITH THE CITY AND FEDERAL GOVERNMENT PRIOR TO INITIATING THE WORK.

**LEGEND**

	STEAM LINE
	POWER LINE
	GAS PIPE
	COMMUNICATION LINE
	WATER PIPE
	STORM PIPE
	STORMSEWER PIPE
	BRICK PAVERS
	COBBLESTONE PAVERS



KEY PLAN

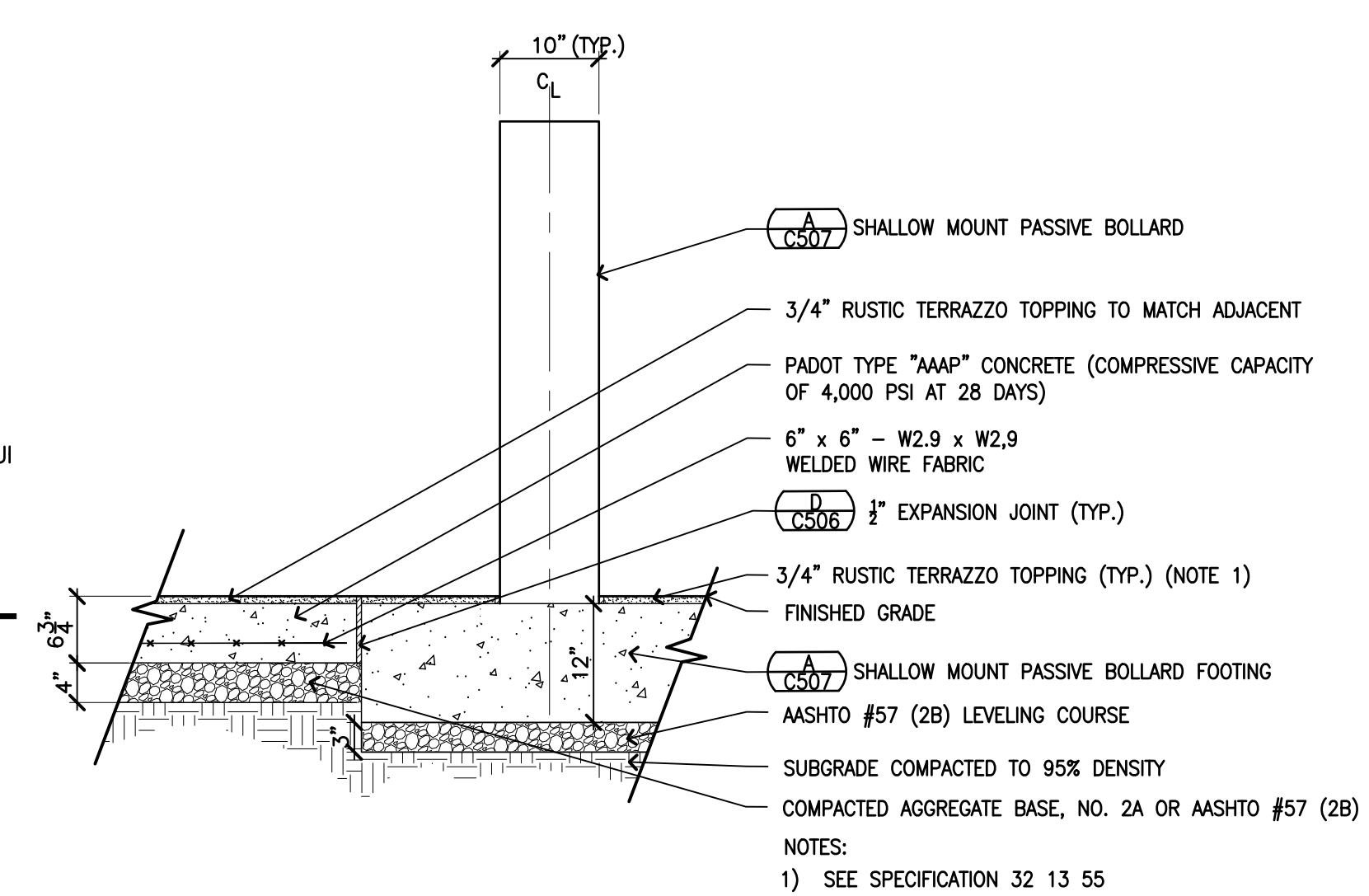
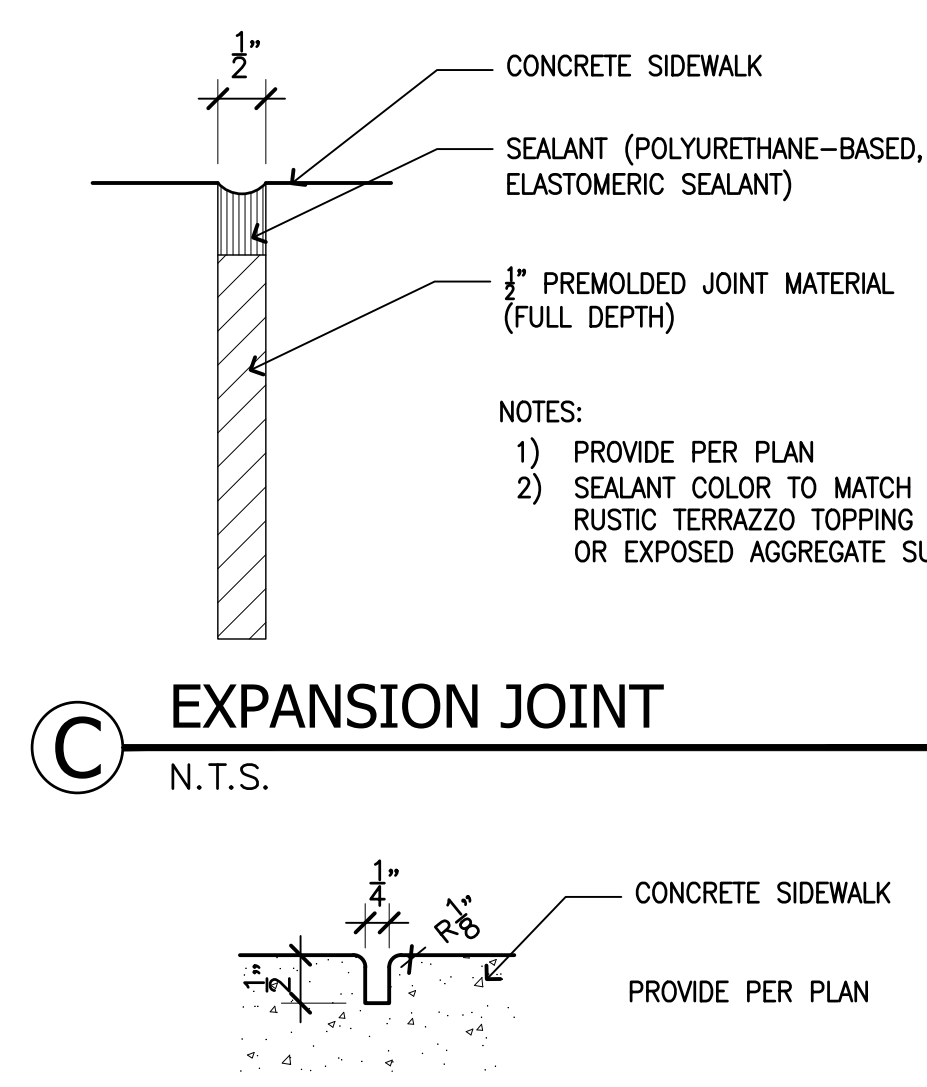
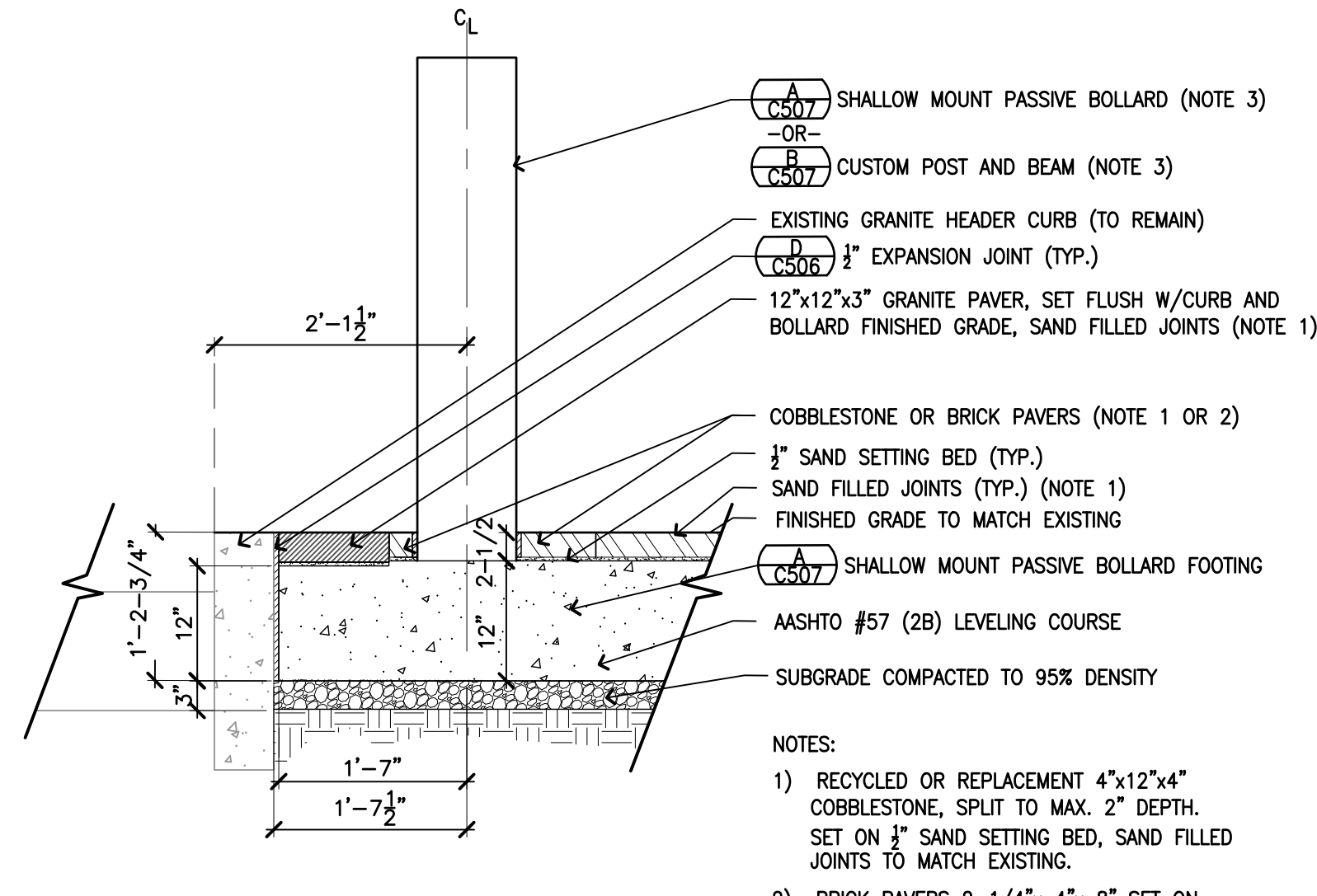
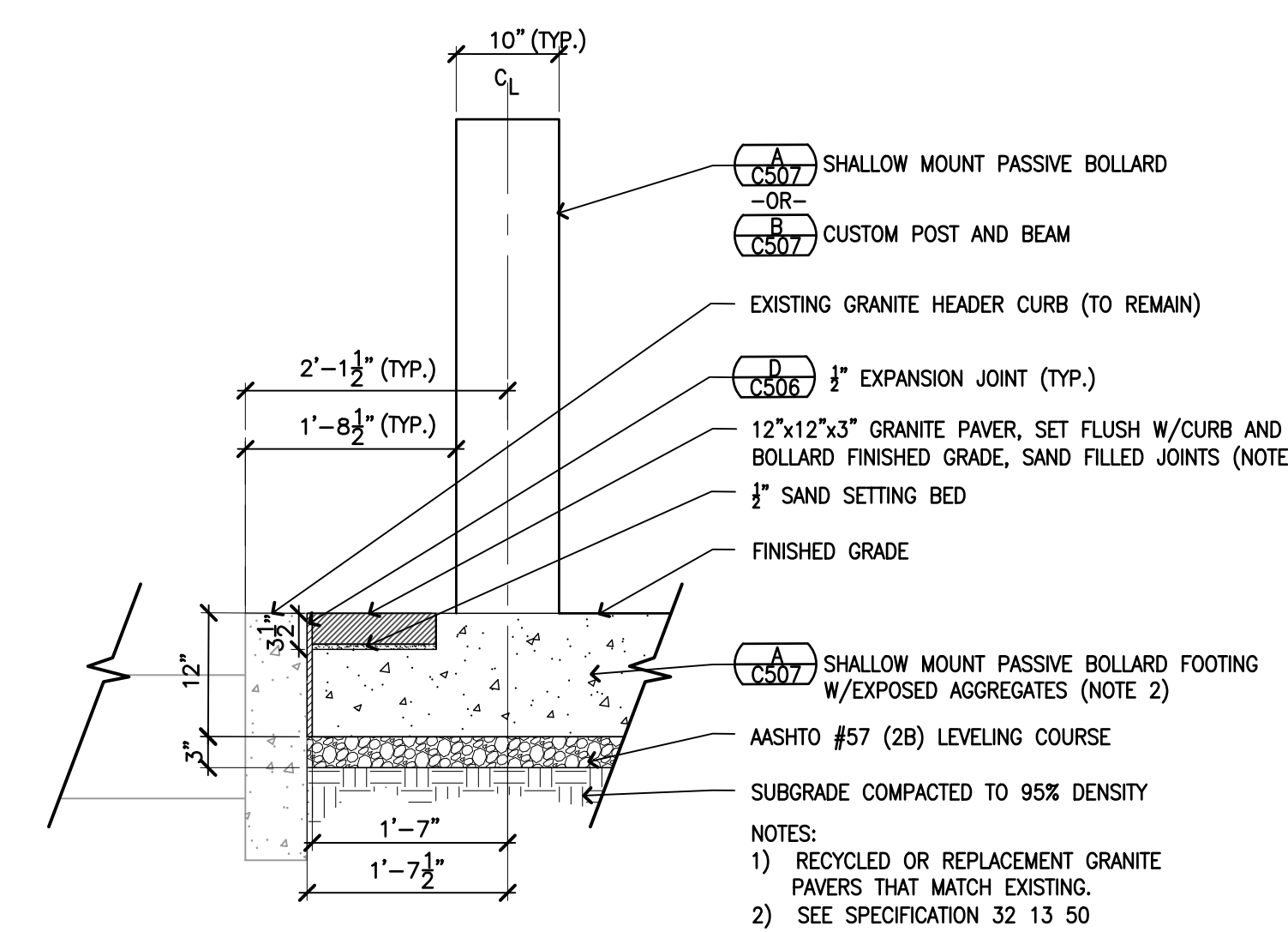


REVISION NUMBER	REVISION DESCRIPTION	REVISION DATE
1	AMENDMENT #1	4/22/22

PROJECT NO.	GS039160X07014 TASK NO: 47P00120F0011
CONTRACT	N/A
PRIME A/E	THE ONYX GROUP
ADDRESS	1825 N WASHINGTON ST, STE 304
CITY	ALEXANDRIA
STATE	VA 222314
PROJ. MGR.	ENOS, C
SUB A/E	GORDON
ADDRESS	4501 DALY DRIVE, SUITE 200
CITY	CHANTILLY
STATE	VA 20151
SUB A/E	EHLERT BRYAN
ADDRESS	1809 WESTWOOD CENTER DR
CITY	TYSONS
STATE	VA 22182
NAME	MOORHEAD FEDERAL BUILDING
ADDRESS	100 LIBERTY AVE
CITY	PITTSBURGH
STATE	PA
ZIP CODE	15222
BUILDING NO.	PA023322
ADD'L FACILITY	N/A
ADD'L FACILITY NO.	N/A
TITLE	BLAST FILM AND BOLLARD DESIGN
DESCRIPTION	
SUBMISSION	FINAL CONSTRUCTION DOCUMENTS
DATE	DECEMBER 1, 2021
DESIGNER	GABRIELLE TROJIT
PROJ. NO.	RP7890.3
DESIGNED BY	W. PEART
DATE DRAWN	NOVEMBER 12, 2021
CHKD BY	R. WALKER
DATE CHKD	NOVEMBER 12, 2021
FILE NAME	
FLOOR NO.	
TITLE	E&S PLAN
NUMBER	C 1 08
DISCIPLINE	SHEET TYPE
	SEQUENCE





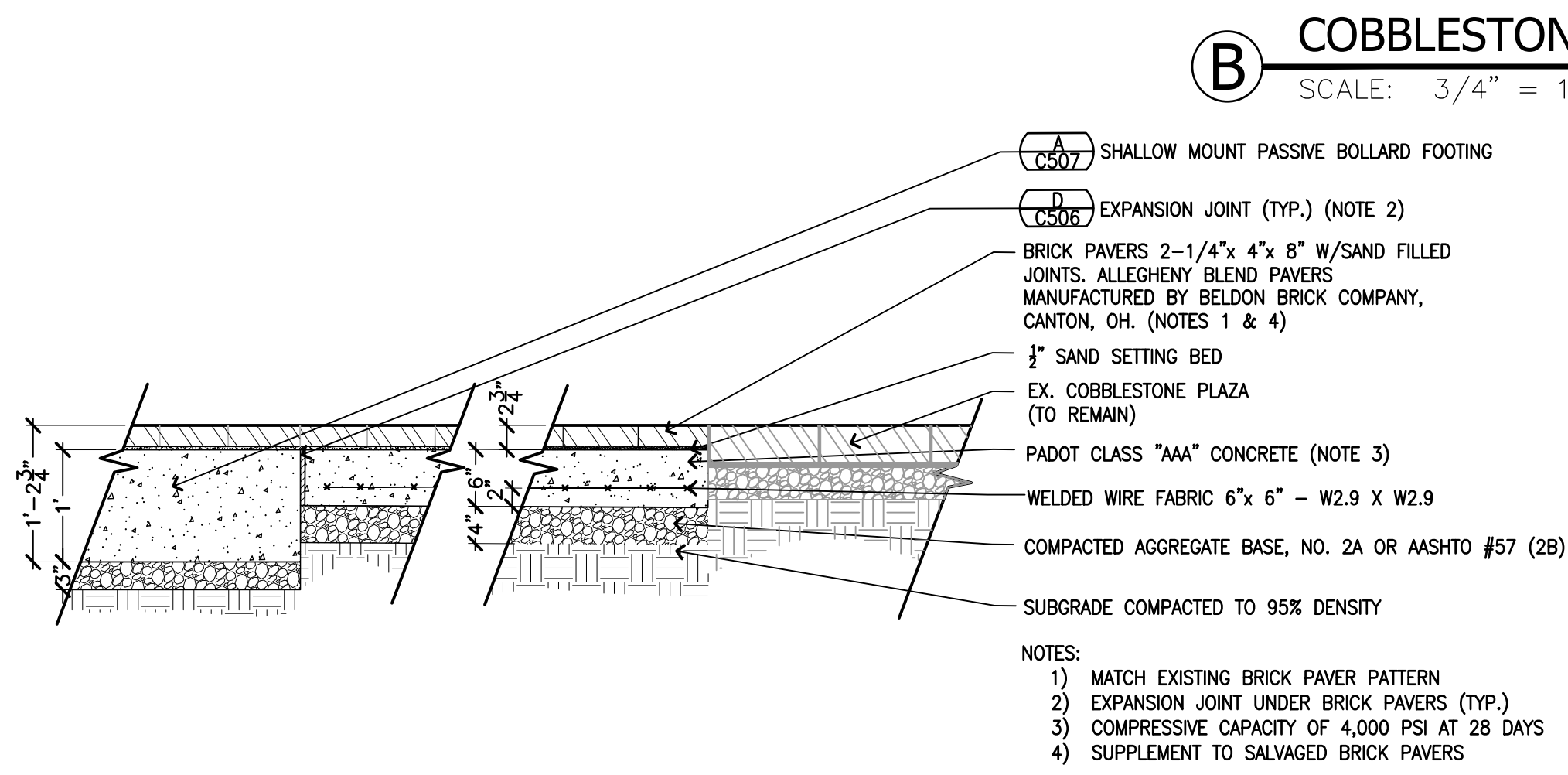


**A GRANITE PAVER BAND**  
 SCALE: 3/4" = 1'-0"

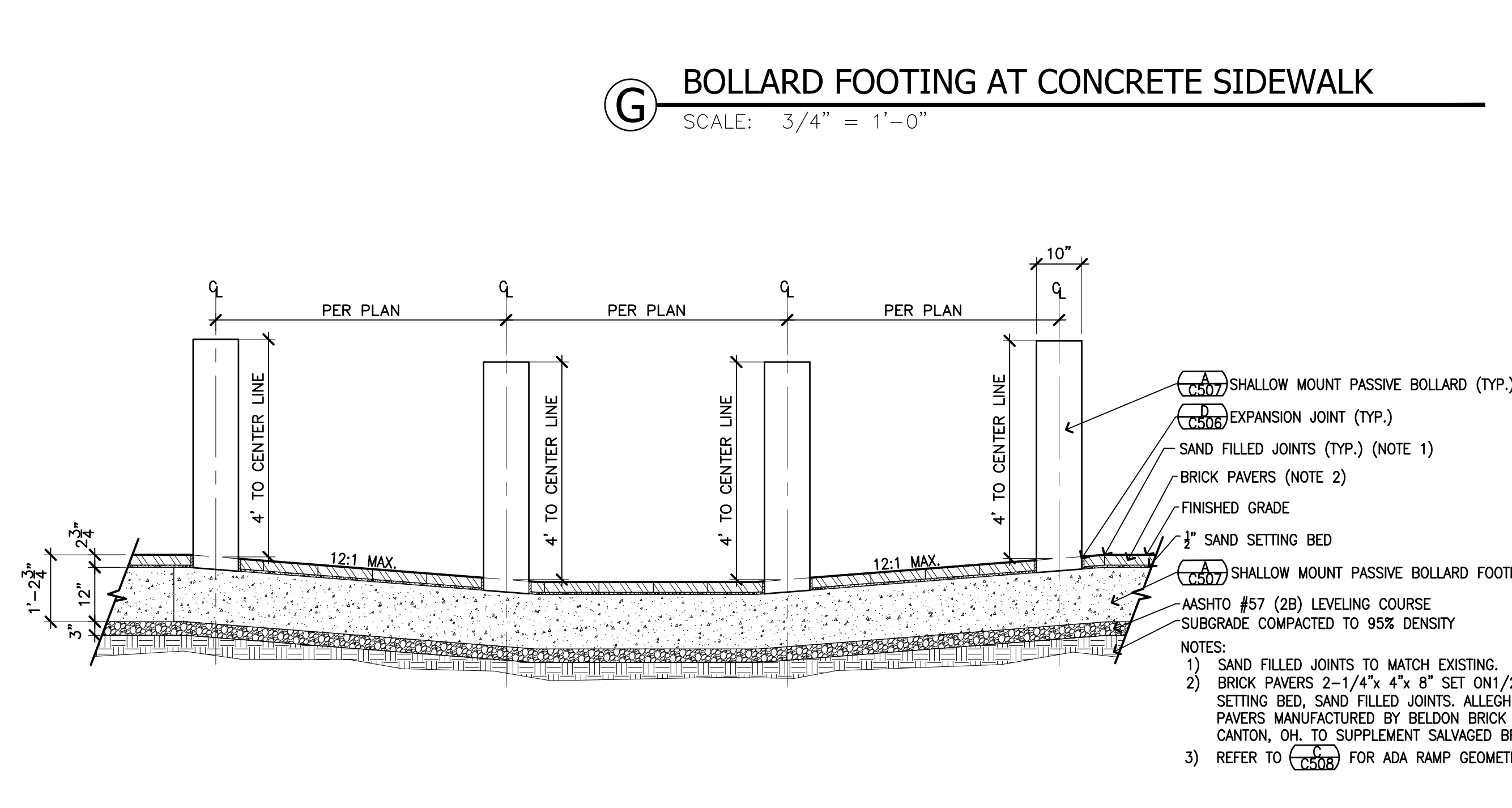
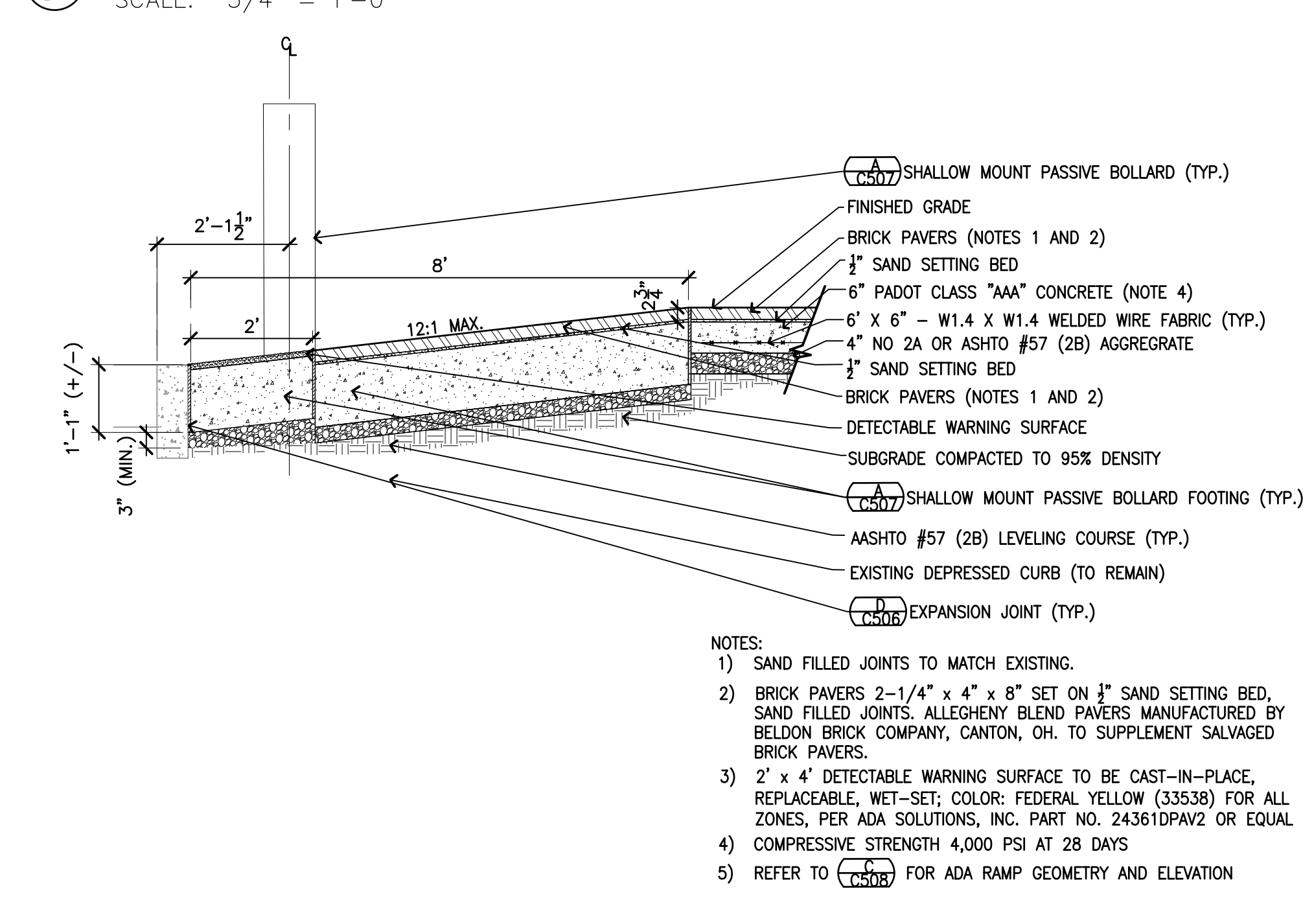
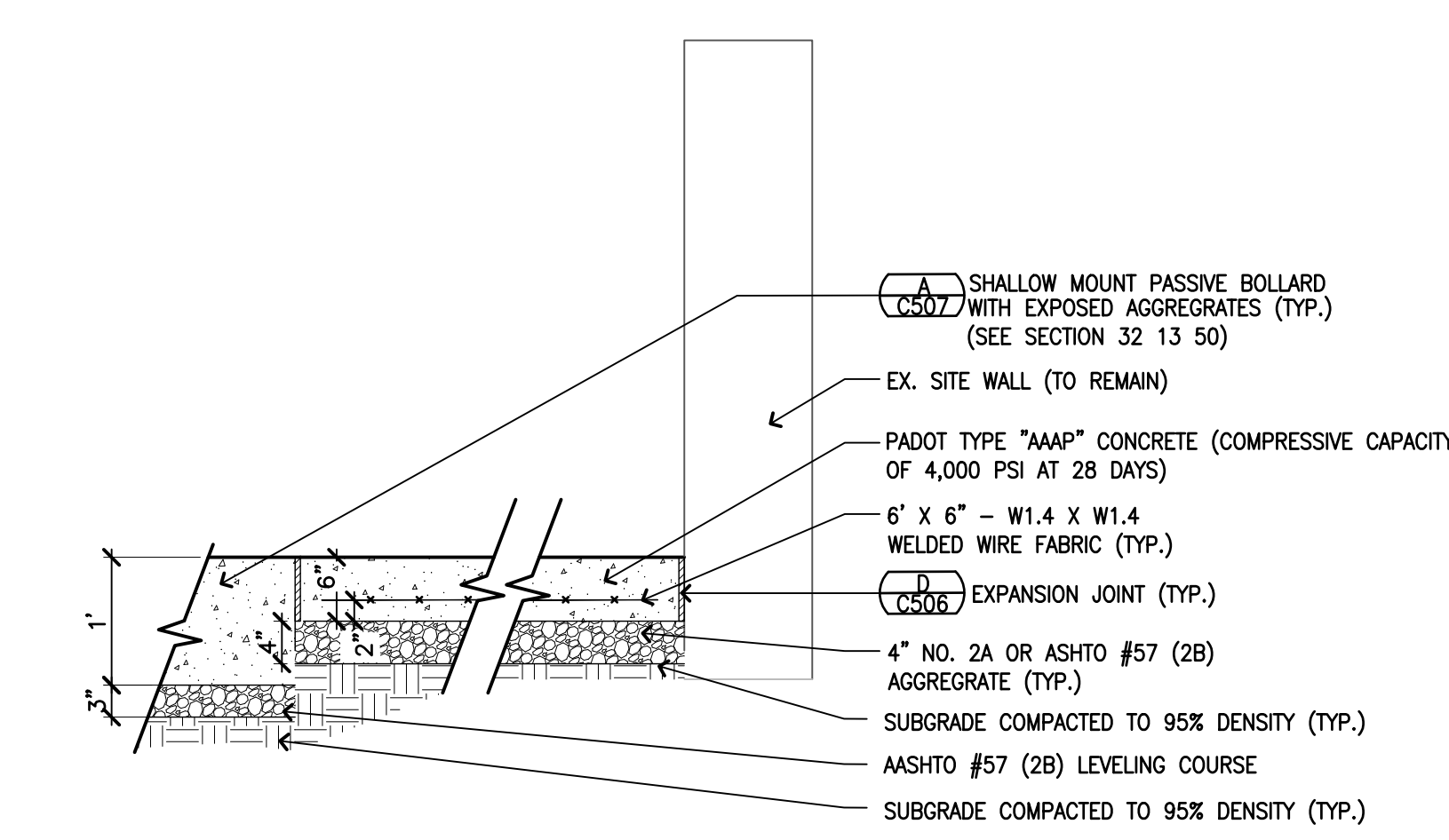
**B COBBLESTONE OR BRICK SURFACING ON BOLLARD FOOTINGS**  
 SCALE: 3/4" = 1'-0"

**C EXPANSION JOINT**  
 N.T.S.

**E BOLLARD FOOTING AND SIDEWALK ON GRANT STREET**  
 SCALE: 3/4" = 1'-0"



**F BRICK PAVERS AT COBBLESTONE PLAZA**  
 SCALE: 3/4" = 1'-0"



**H TYPE 2 CURB RAMP MODIFIED FOR SHALLOW MOUNT BOLLARD FOOTING**  
 SCALE: 1/2" = 1'-0"

**I BOLLARDS AND BRICK PAVERS ON MODIFIED TYPE 2 CURB RAMP**  
 SCALE: 1/2" = 1'-0"

KEY PLAN

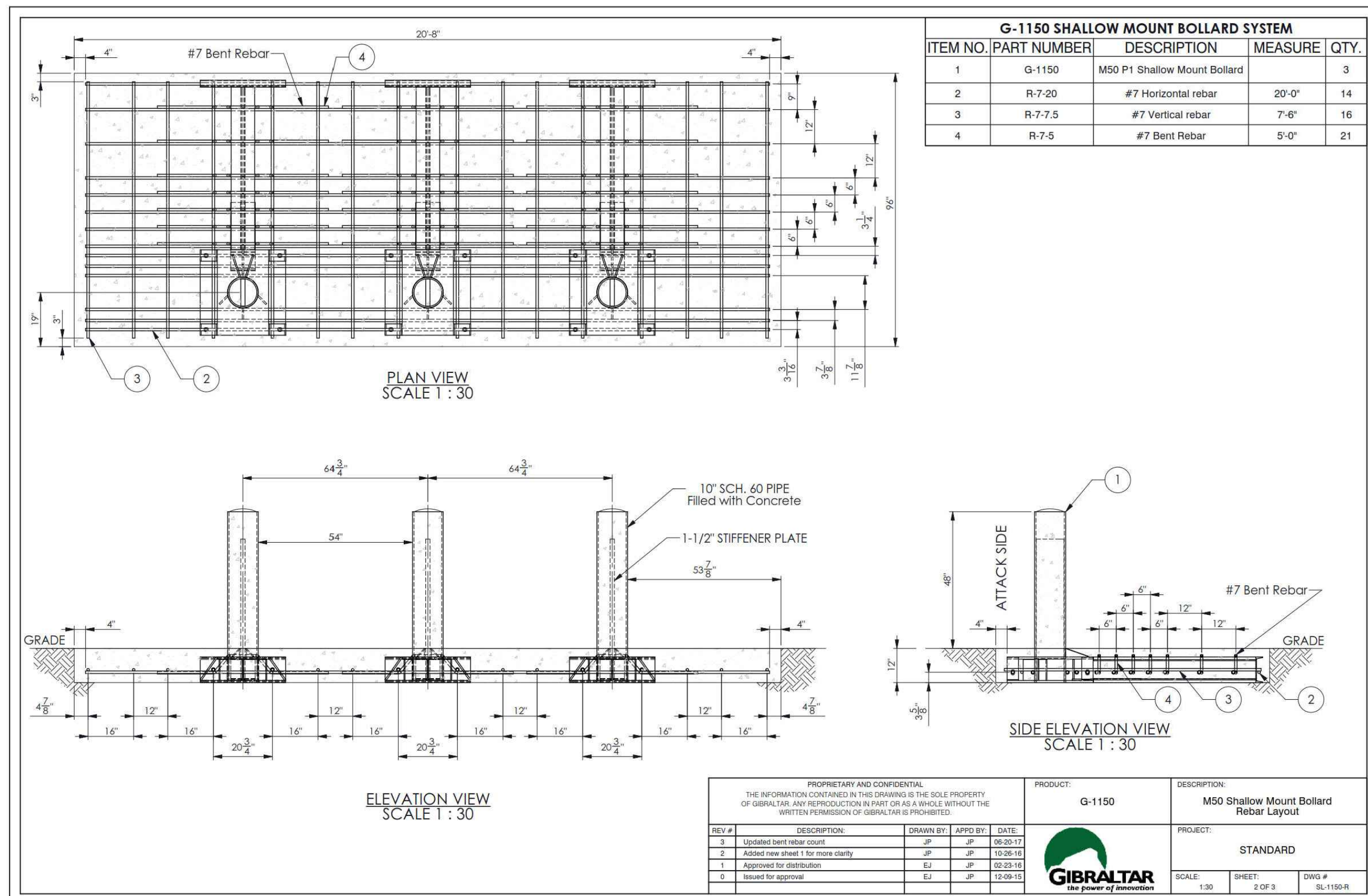
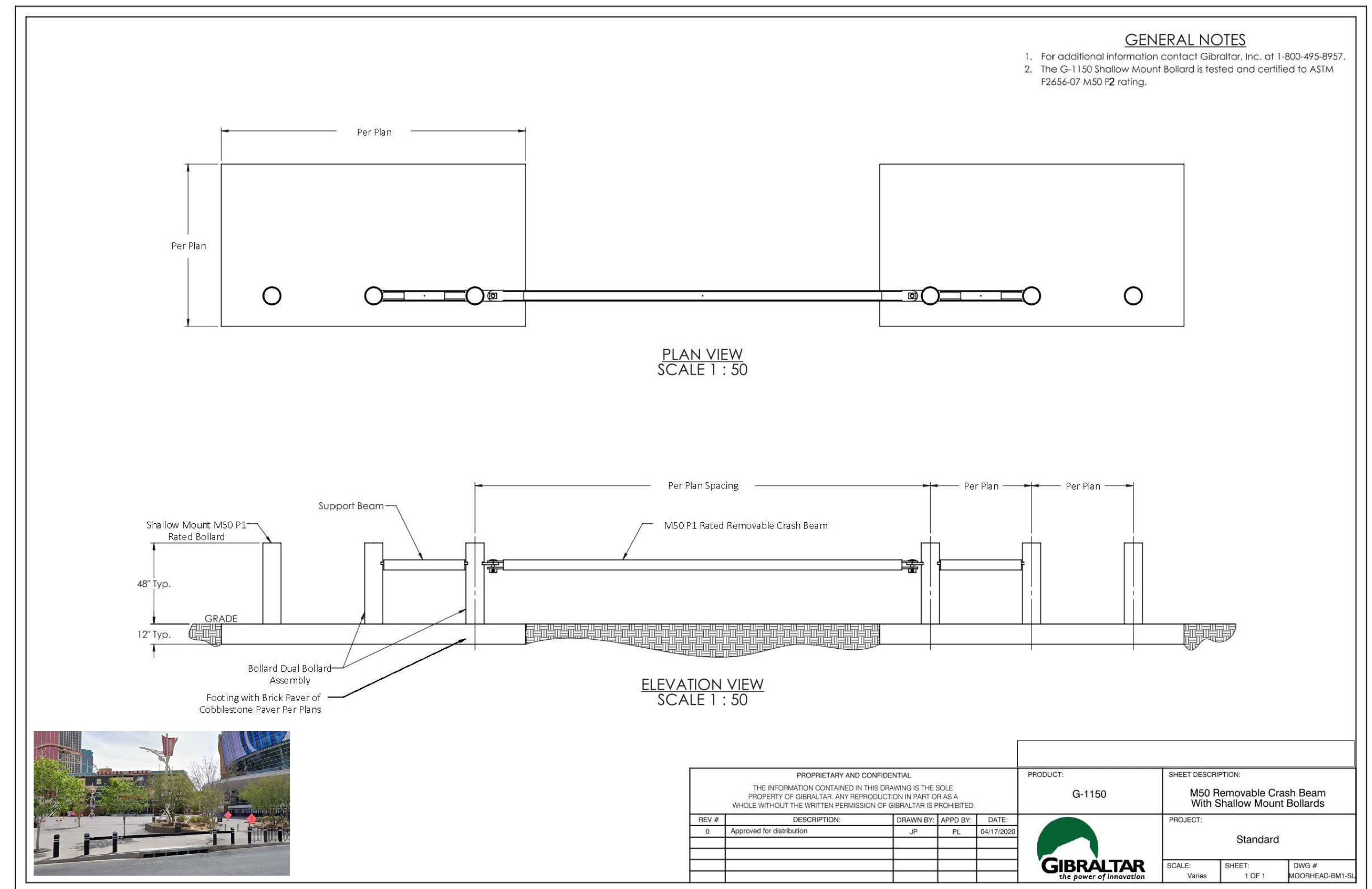
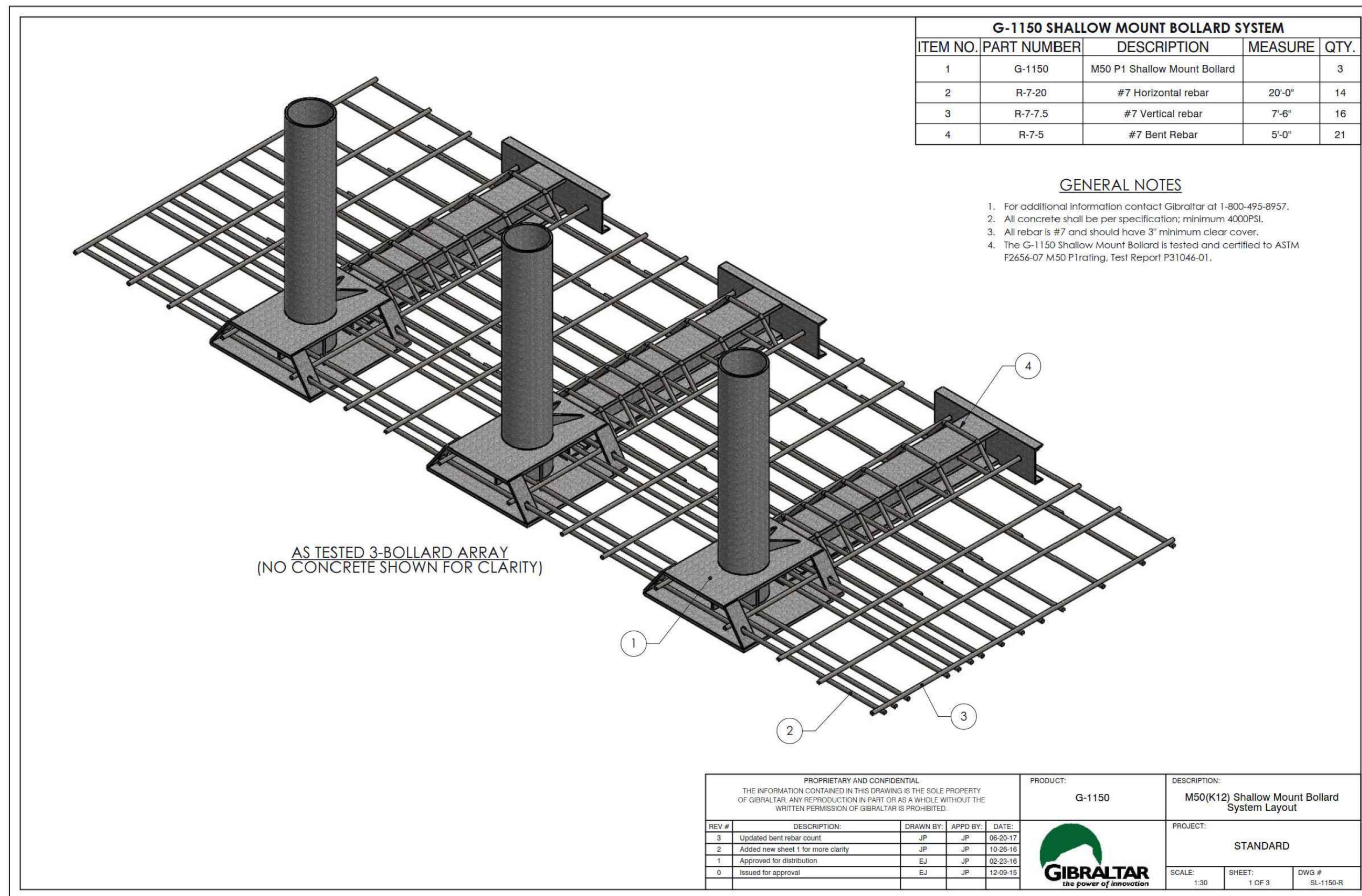
PROFESSIONAL SEAL

REVISION NUMBER	REVISION DESCRIPTION	REVISION DATE

DATE	05/03/16	TASK NO.	47P00120F0011
CONTRACT	N/A	PRIME A/E	THE ONYX GROUP
ADDRESS	1825 N WASHINGTON ST, STE 304	PROJ. A/E	ALEXANDRIA
PROJ. A/E	ENOS, C	PROJ. NO.	VA 222314
CONTRACT	GORDON	PROJ. A/E	CHANTILLY
ADDRESS	4501 DALY DRIVE, SUITE 200	PROJ. NO.	VA 20151
PROJ. A/E	EHLERT BRYAN	PROJ. A/E	1809 WESTWOOD CENTER DR
ADDRESS	TYSONS	PROJ. NO.	VA 22182
BLDG. NO.	MOORHEAD FEDERAL BUILDING	NAME	1000 LIBERTY AVE
ADDRESS	PITTSBURGH	PROJ. NO.	15222
BLDG. NO.	PA023322	BLDG. NO.	N/A
ADDL. FACILITY	N/A	ADDL. FACILITY	N/A
TITLE	BLAST FILM AND BOLLARD DESIGN	DESCRIPTION	
DATE	DECEMBER 1, 2011	DATE	DECEMBER 12, 2011
DATE	NOVEMBER 12, 2011	DATE	NOVEMBER 12, 2011
DATE	NOVEMBER 12, 2011	DATE	NOVEMBER 12, 2011

**SITE DETAILS**

C	5	06
DISCIPLINE	SHEET TYPE	SEQUENCE



**A SHALLOW MOUNT PASSIVE BOLLARD** (SEE BARRIER FINISH NOTES)

- BARRIER FINISH NOTES:**
- PROVIDE FINISHED SURFACE ABOVE BARRIER FOUNDATIONS TO MATCH EXISTING HARDSCAPES. SEE PLANS FOR LOCATIONS OF FINISHED SURFACES.
  - FOR BARRIERS ALONG LIBERTY AVENUE, PROVIDE EXPOSED AGGREGATE SURFACE PER SECTION 32 13 50.
  - FOR BARRIERS NEAR WILLIAM PENN PLACE, PROVIDE BRICK PAVER OR COBBLESTONE PAVERS ABOVE FOUNDATION TO MATCH EXISTING CONDITION. SEE PLANS FOR DETAILS.
  - FOR BARRIERS ADJACENT TO GRANT STREET, PROVIDE RUSTIC TERRAZZO TOPPING IN ACCORDANCE WITH SECTION 32 13 55.

**B CUSTOM POST AND BEAM FENCING** (SEE BARRIER FINISH NOTES)



**NOTE:** MANUFACTURERS' DETAILS AND FOOTINGS ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ARE NOT FOR CONSTRUCTION. COMPLETED ENGINEERED SYSTEMS INCLUDING STRUCTURAL DESIGN BY QUALIFIED MANUFACTURERS ARE REQUIRED IN ACCORDANCE WITH SPECIFICATIONS FOR PASSIVE BOLLARDS AND POST AND BEAM. SEE SHEET C 0 02 GENERAL NOTE 3 FOR BARRIER BASIS OF DESIGN.

U.S. General Services Administration  
Mid-Atlantic Region  
Public Buildings Service  
The DOW Building  
100 South Independence Mall West  
Philadelphia, PA 19106-2320  
Arch D (24 X 36)

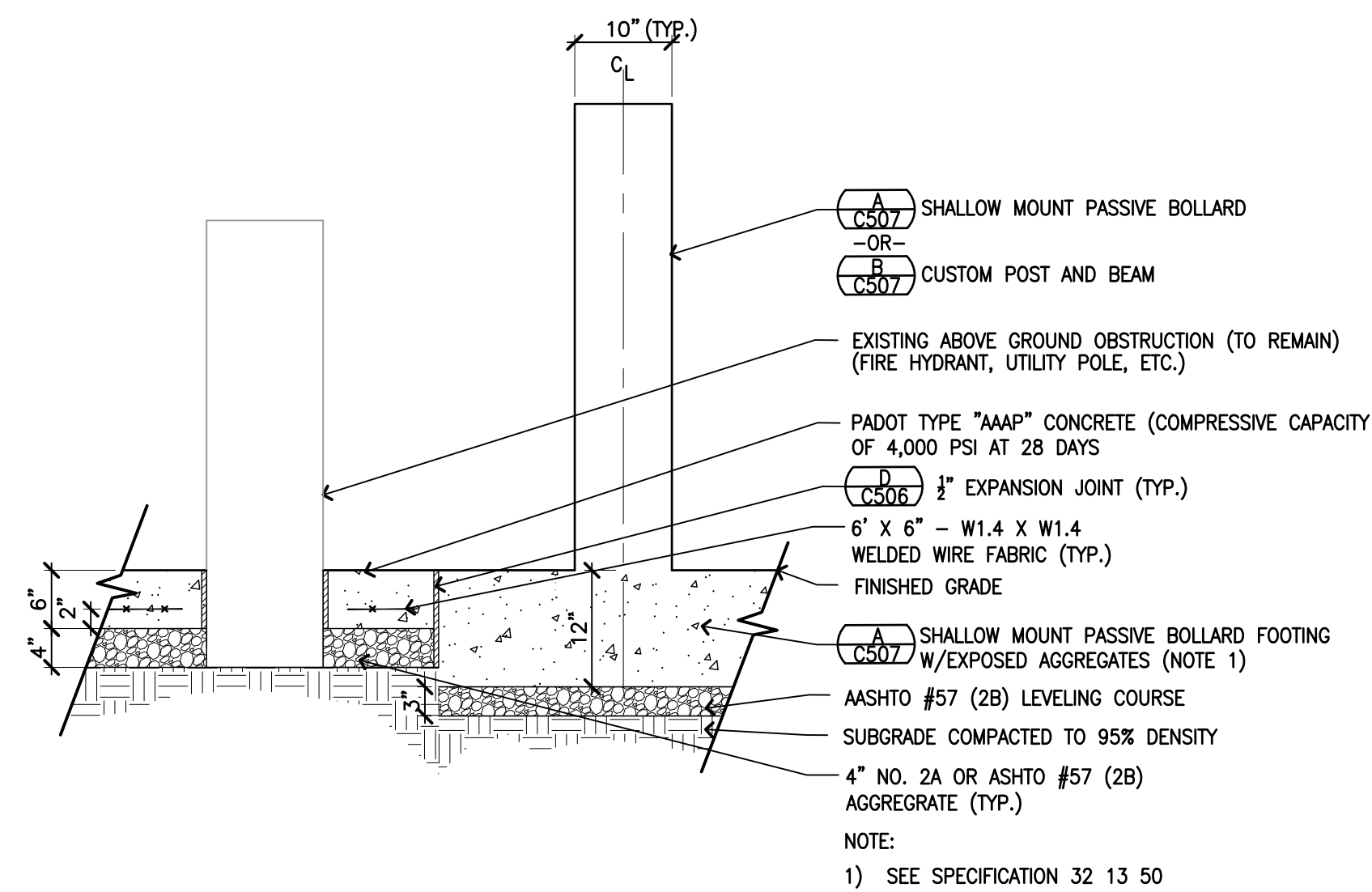


KEY PLAN

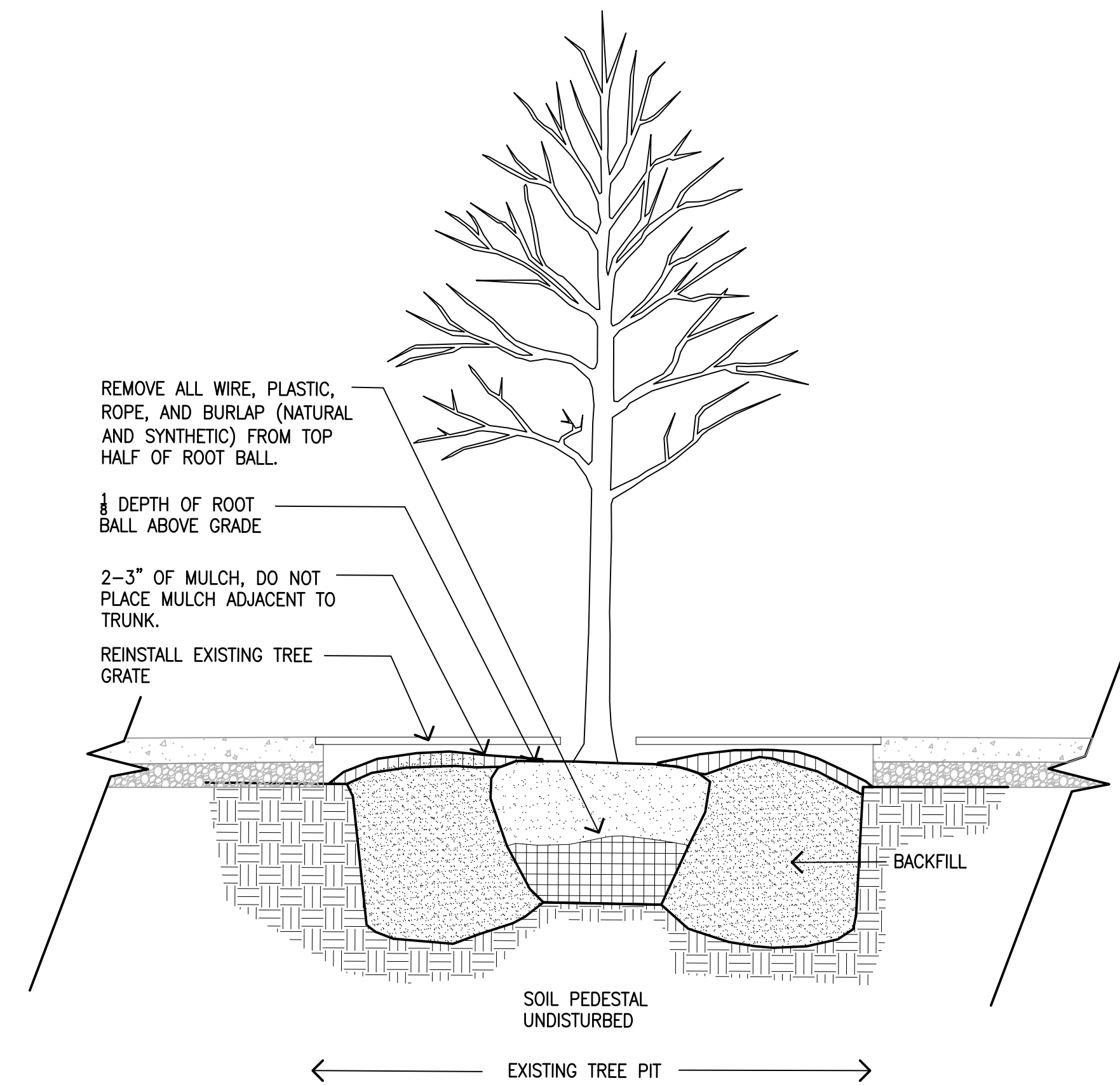
PROFESSIONAL SEAL

REVISION NUMBER	REVISION DESCRIPTION	REVISION DATE
1	AMENDMENT #1	4/22/22

DATE	05/03/2022	TASK NO.	47P00120F0011
CONTRACT	N/A		
PRIME A/E	THE ONYX GROUP		
ADDRESS	1825 N WASHINGTON ST, STE 304	STATE	VA 222314
PRIME A/E MGR	ALEXANDRIA		
PRIME A/E	ENOS, C		
PRIME A/E	GORDON		
ADDRESS	4501 DALY DRIVE, SUITE 200	STATE	VA 20151
PRIME A/E	CHANTILLY		
PRIME A/E	EHLERT BRYAN		
ADDRESS	1809 WESTWOOD CENTER DR	STATE	VA 22182
PRIME A/E	TYSONS		
NAME	MOORHEAD FEDERAL BUILDING		
ADDRESS	1000 LIBERTY AVE		
ADDRESS	PITTSBURGH		
STATE	PA	ZIP CODE	15222
BUILD NO.	PA023322		
ADD'L FACILITY	N/A		
ADD'L FACILITY	N/A		
TITLE	BLAST FILM AND BOLLARD DESIGN		
DESCRIPTION			
SUBMISSION	FINAL CONSTRUCTION DOCUMENTS	SUB DATE	DECEMBER 1, 2021
DESIGNER	GABRIELLE TROUT		
PROJ. NO.	RP47890.3		
DRAWN BY	W.PEART	DATE DRAWN	NOVEMBER 12, 2021
CHK BY	R.WALKER	DATE CHKD	NOVEMBER 12, 2021
FILE NAME			
FLOOR NO.			
TITLE	SITE DETAILS		
NUMBER	C	5	07
DISCIPLINE		SHEET TYPE	SEQUENCE

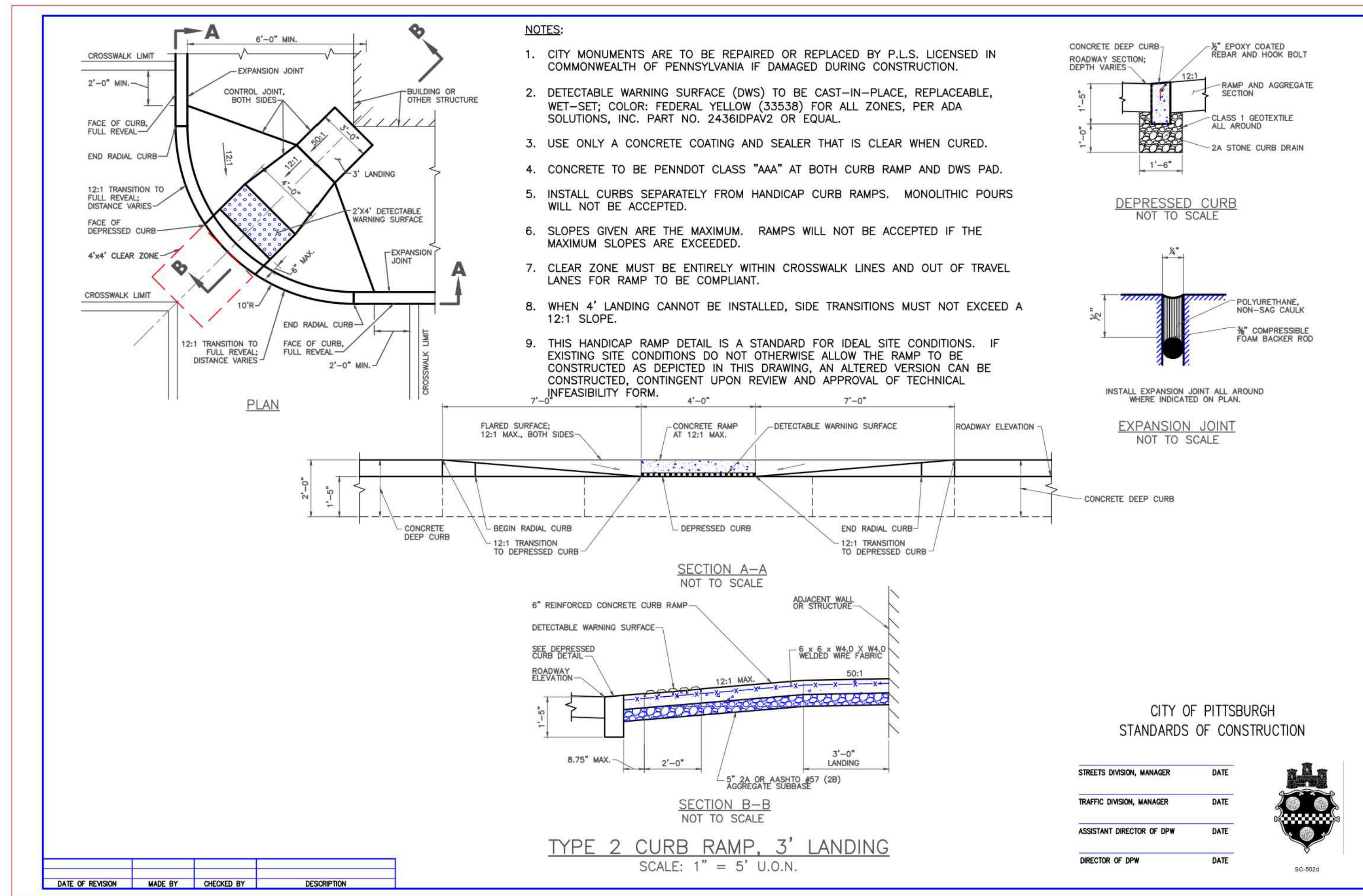


**A SHALLOW MOUNT FOOTING AT ABOVE GROUND OBSTRUCTION**  
SCALE: 3/4" = 1'-0"

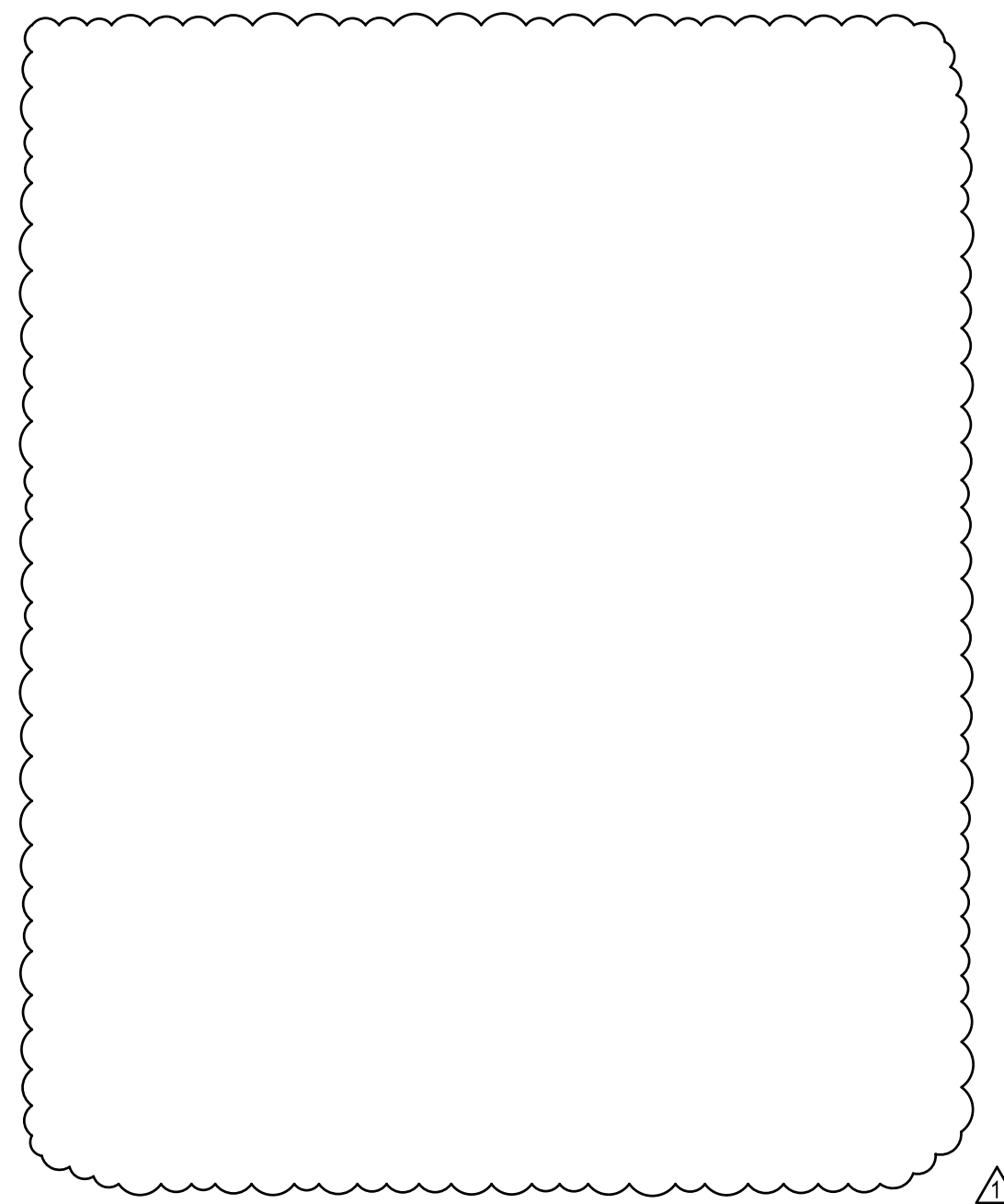


**C DECID. TREE PLANTING LESS THAN 3" CAL.**  
SCALE: N.T.S.

Symbol	Quantity	Botanical Name	Common Name	Size (min.)	Container	Comments
GT	3	Gleditsia triacanthos 'Inermis'	Thornless Honeylocust	2" - 2.5" Caliper	B&B	Central Leader



**B TYPE 2 CURB RAMP, 3' LANDING DETAIL**  
SCALE: N.T.S.

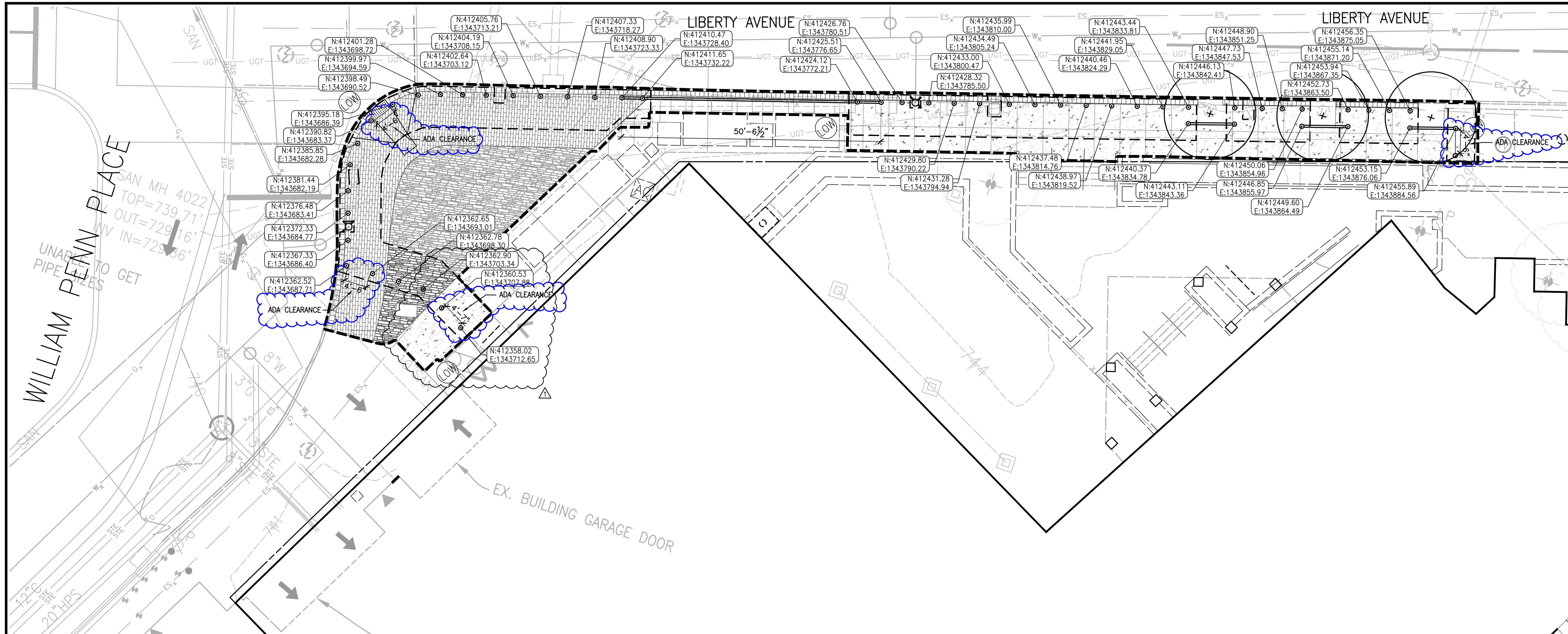


KEY PLAN

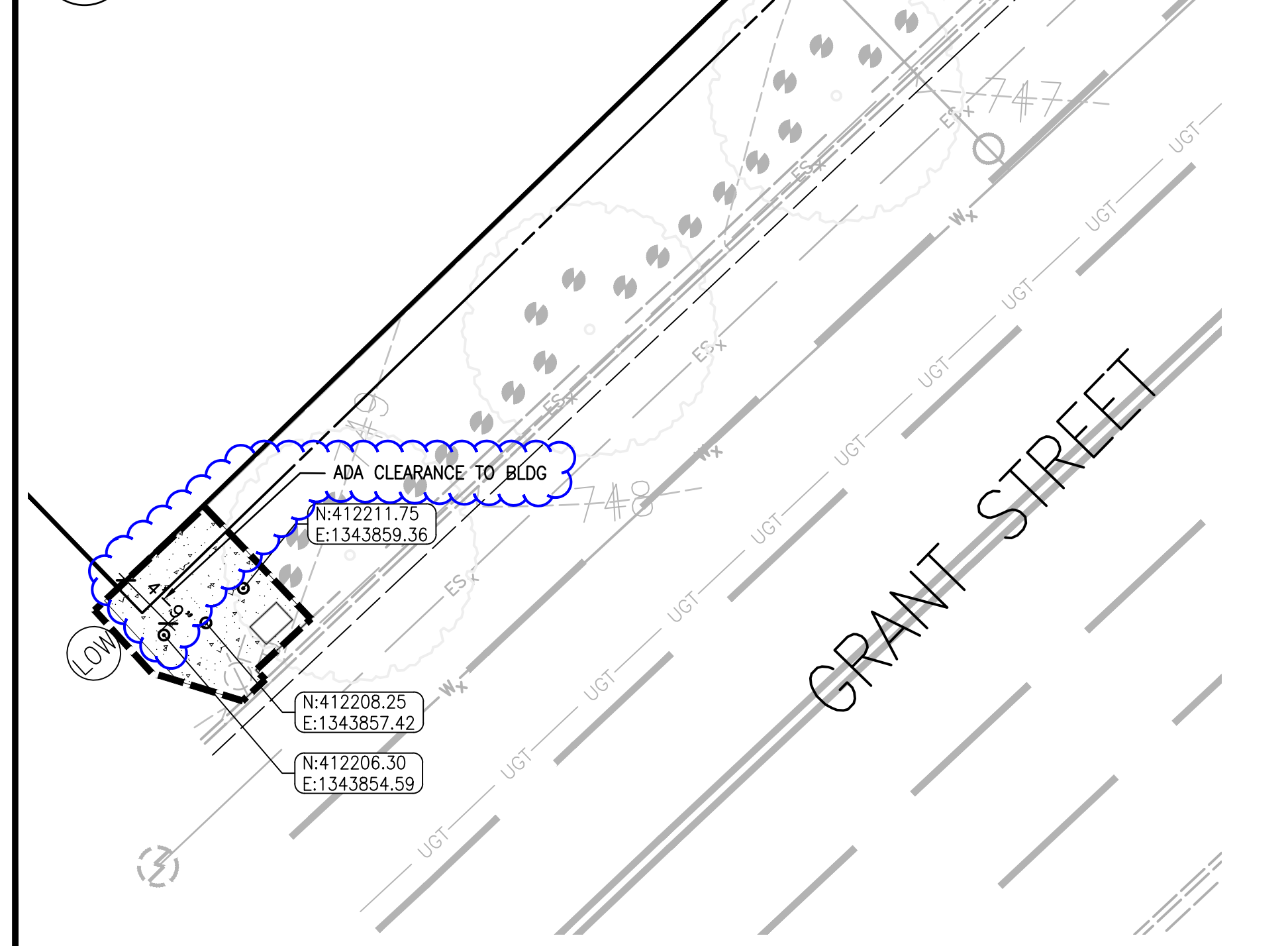
PROFESSIONAL SEAL

REVISION NUMBER	REVISION DESCRIPTION	REVISION DATE
1	AMENDMENT #1	4/22/22

DATE	05/03/2022
CONTRACT	N/A
PRIME A/E	THE ONYX GROUP
ADDRESS	1825 N WASHINGTON ST, STE 304
CITY	ALEXANDRIA
STATE	VA 222314
PROJ. MGR.	ENOS, C
CLIENT	GORDON
ADDRESS	4501 DALY DRIVE, SUITE 200
CITY	CHANTILLY
STATE	VA 20151
CLIENT	EHLERT BRYAN
ADDRESS	1809 WESTWOOD CENTER DR
CITY	TYSONS
STATE	VA 22182
NAME	MOORHEAD FEDERAL BUILDING
ADDRESS	1000 LIBERTY AVE
CITY	PITTSBURGH
STATE	PA
ZIP CODE	15222
BUILDING NO.	PA023322
ADD'L FACILITY	N/A
ADD'L FACILITY	N/A
TITLE	BLAST FILM AND BOLLARD DESIGN
DESCRIPTION	
SUBMISSION	FINAL CONSTRUCTION DOCUMENTS
DATE	DECEMBER 1, 2021
PROJ. MGR.	GABRIELLE TROUT
PROJ. NO.	RP47890.3
DRAWN BY	W. PEART
DATE DRAWN	NOVEMBER 12, 2021
CHK BY	R. WALKER
DATE CHK	NOVEMBER 12, 2021
FILE NAME	
FLOOR NO.	
TITLE	SITE DETAILS
NUMBER	C 5 08
DISCIPLINE	SHEET TYPE
SEQUENCE	



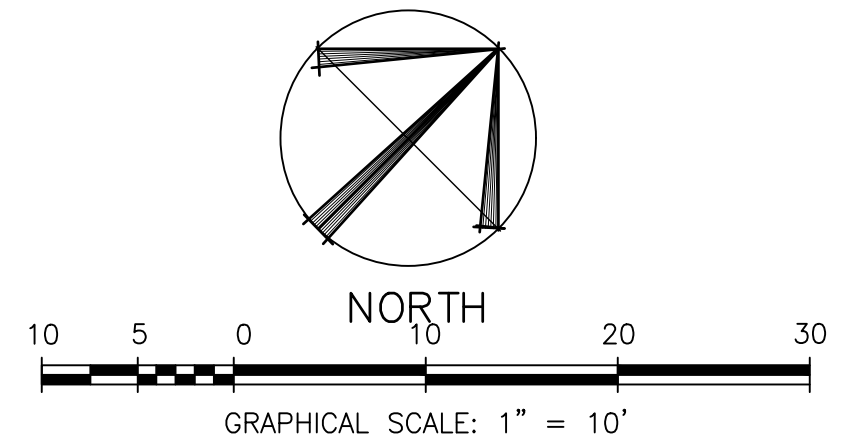
**1 LIBERTY AVE AND WILLIAM PENN PLACE ENLARGEMENT**  
 SCALE: 1"=10'



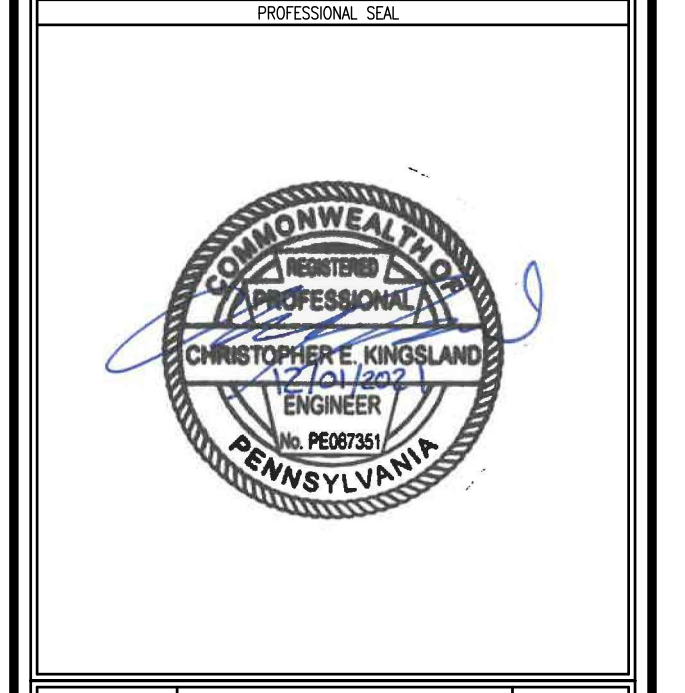
**3 GRANT STREET ENLARGEMENT**  
 SCALE: 1"=10'

**LEGEND**

- EX. COBBLESTONE
- PROPOSED BRICK PAVERS
- PROPOSED POURED CONCRETE
- EX. CONCRETE
- PROPOSED SHALLOW MOUNT PASSIVE BOLLARD
- PROPOSED SWING GATE MAINTENANCE ACCESS
- PROPOSED CUSTOM POST AND RAIL FENCING
- LIMITS OF WORK
- TEST PIT



KEY PLAN



REVISION NUMBER	REVISION DESCRIPTION	REVISION DATE
1	AMENDMENT #1	4/22/22

DATE	05/03/16	TASK NO.	47P00120F0011
CONTRACT	N/A		
PRIME A/E	THE ONYX GROUP		
ADDRESS	1825 N WASHINGTON ST, STE 304		
PROJ. MGR.	ALEXANDRIA	PROJ. NO.	VA 222314
PRIME A/E	ENOS, C		
PRIME A/E	GORDON		
ADDRESS	3501 DALY DRIVE, SUITE 200		
PROJ. MGR.	CHANTILLY		
PRIME A/E	EHLERT BRYAN		
ADDRESS	1809 WESTWOOD CENTER DR		
PROJ. MGR.	TYSONS		
NAME	MOORHEAD FEDERAL BUILDING		
ADDRESS	1000 LIBERTY AVE		
CITY	PITTSBURGH		
STATE	PA		
ZIP CODE	15222		
BUILDING NO.	PA02332Z		
ADD'L FACILITY	N/A		
ADD'L FACNO.	N/A		
TITLE	BLAST FILM AND BOLLARD DESIGN		
DESCRIPTION			
REVISION			
SUBMISSION	FINAL CONSTRUCTION DOCUMENTS	SUB. DATE	DECEMBER 1, 2011
DESIGNER	GABRIELLE TROUT		
PROJ. NO.	RP47890.3	DATE DRAWN	NOVEMBER 12, 2011
DRAWN BY	W. PEART	DATE CHG	NOVEMBER 12, 2011
CHKD BY	R. WALKER	DATE CHG	NOVEMBER 12, 2011
FILE NAME			
DRAWING NO.			
TITLE	DIMENSIONING PLAN		
NUMBER	C	1	04C
DISCIPLINE	SHEET TYPE		
SEQUENCE			



CITY OF PITTSBURGH, DEPARTMENT OF CITY PLANNING  
**ART COMMISSION**

March 24, 2021

Christopher Kingsland  
Gordon US LLC  
4501 Daly Drive, Suite 200  
Chantilly, VA 20151

**Re: Moorhead Federal Building Security Improvements**

Dear Mr. Kingsland,

I am writing to confirm that on March 24, 2021, the City of Pittsburgh Art granted Final Approval of your proposal for the Moorhead Federal Building Security Improvements, with the conditions that 1) the main set of bollards use the light grey finish, without striping; 2) the Grant Street bollards utilize the dark finish to match the existing ones, without striping; and 3) a clear path of travel for wheelchairs is maintained on the existing sidewalk by the garage.

Please note that after receiving Art Commission approval, any necessary building permits, certificates of occupancy, or other city approvals are still required. At this time, please proceed with these and any other permits or City permissions that you may need.

Should you need any assistance from my office in the interim, or would like clarification on any advice given by the Commission, please do not hesitate to call or email.

Sincerely,

A handwritten signature in black ink, appearing to read "Tony Cavalline".

**Tony Cavalline**

Arts, Culture, and History Specialist  
City of Pittsburgh, Department of City Planning  
anthony.cavalline@pittsburghpa.gov  
200 Ross St., 4th Floor  
Pittsburgh, PA 15219  
P: 412.255.8996  
200 Ross St., 4th Floor  
www.pittsburghpa.gov/dcp/

**ANDREW MOSS, PRESIDENT | SARIKA GOULATIA, SECRETARY**  
**CHRISTIANE LEACH | VIVIAN LOFTNESS | RICHARD PARSAKIAN**  
**PETER QUINTANILLA | JANEL YOUNG**  
200 ROSS STREET | JOHN P. ROBIN CIVIC BUILDING

**To:** Karina Ricks, Director of the Department of Mobility and Infrastructure  
**From:** William J. Pickering, PWSA Chief Executive Officer  
**Date:** February 3, 2022  
**Subject:** Proposed Encroachment at 1000 Liberty Avenue

The following is in response to the attached 12/06/2021 request regarding the encroachment near 1000 Liberty Avenue in the 2nd Ward of the City of Pittsburgh.

1. The Water Mapping (attached) indicates that there are no known PWSA waterlines within the area of the proposed encroachment.
2. The Sewer Mapping (attached) indicates that there are no known PWSA sewerlines within the area of the proposed encroachment that will be impacted during construction of project. Please note, PWSA 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.

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

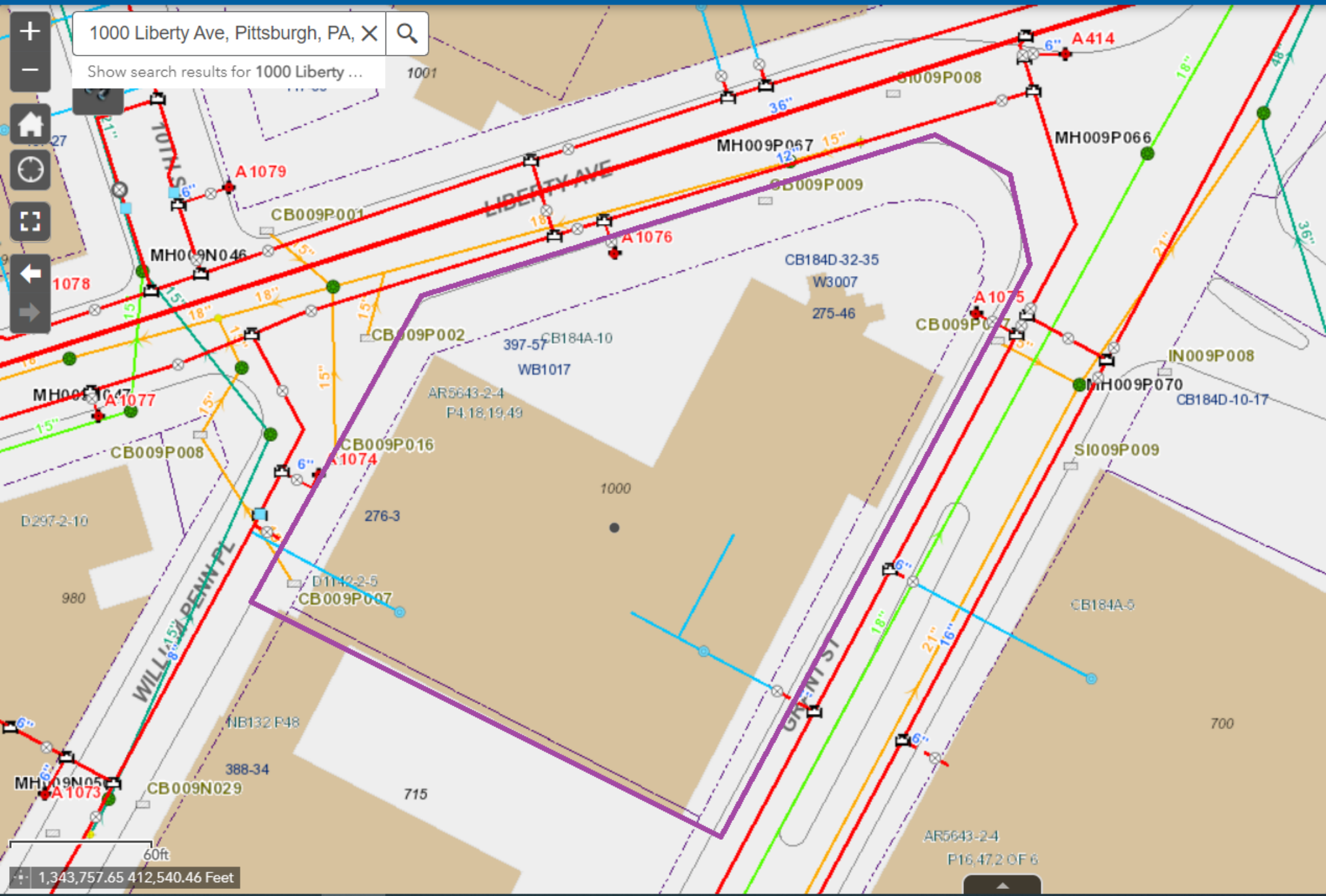
JAT

Attachment

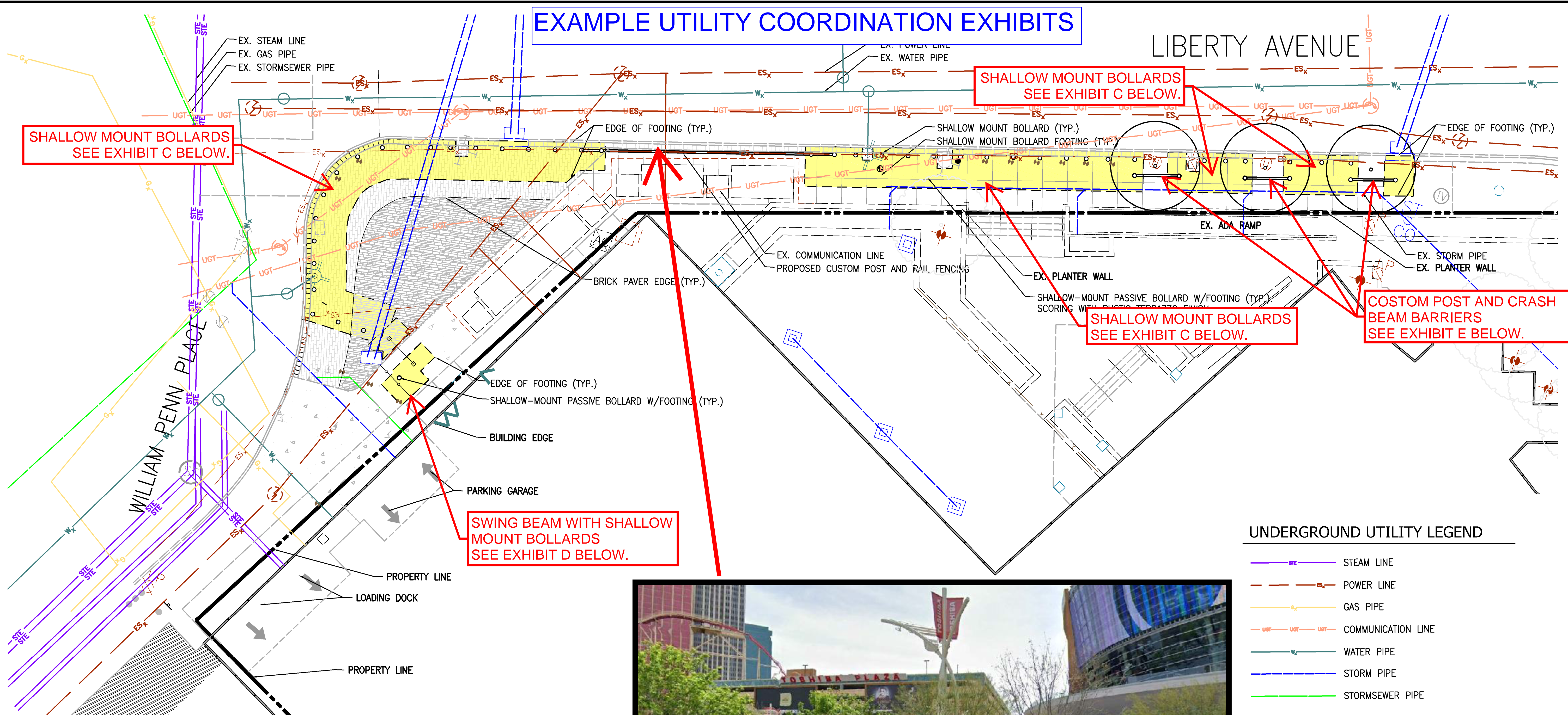


1000 Liberty Ave, Pittsburgh, PA, X

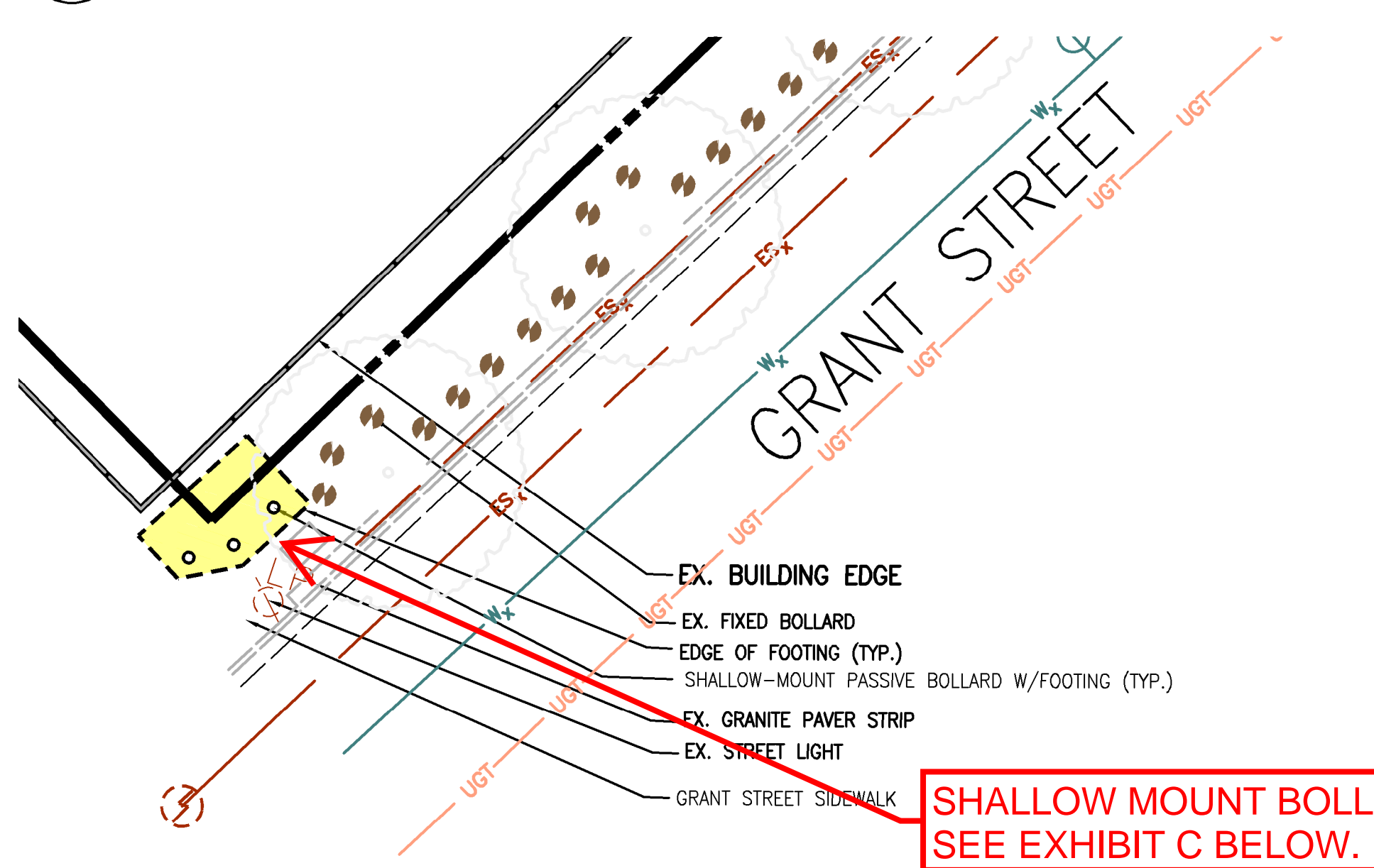
Show search results for 1000 Liberty ...



# EXAMPLE UTILITY COORDINATION EXHIBITS



**1 LIBERTY AVE AND WILLIAM PENN PLACE OVERALL**  
SCALE: 1"=10'



**2 GRANT STREET ENLARGEMENT**  
SCALE: 1"=10'



**CUSTOM POST AND CRASH BEAM BARRIER**  
SEE EXHIBIT E BELOW

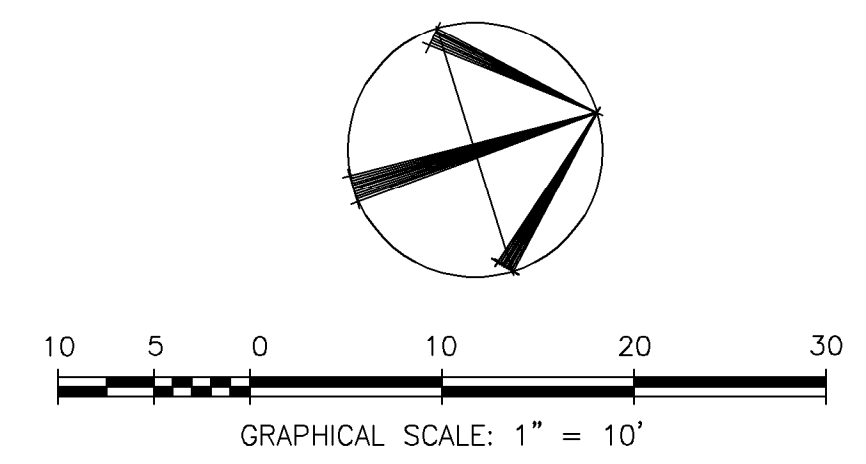
**EXHIBIT A**  
EXISTING UTILITY LOCATIONS  
AND PROPOSED SECURITY  
IMPROVEMENTS

**UNDERGROUND UTILITY LEGEND**

- STEAM LINE
- POWER LINE
- GAS PIPE
- COMMUNICATION LINE
- WATER PIPE
- STORM PIPE
- STORMSEWER PIPE

**LEGEND**

- EX. COBBLESTONE
- PROPOSED BRICK PAVERS
- PROPOSED SHALLOW MOUNT PASSIVE BOLLARD
- EDGE OF FOOTING (TYP.)
- PROPOSED CUSTOM POST AND RAIL FENCING



PROGRAMMING AND PLANNING  
CIVIL ENGINEERING  
LANDSCAPE ARCHITECTURE  
SURVEY AND MAPPING  
SECURITY CONSULTING

**Gordon**

4501 Daily Drive  
Chantilly, VA 20151  
Phone: 703-263-1900  
www.gordon.us.com

REVISIONS	DESCRIPTION	NUMBER	DATE

SUR:	DES:
DRW:	CHK:

SEAL:

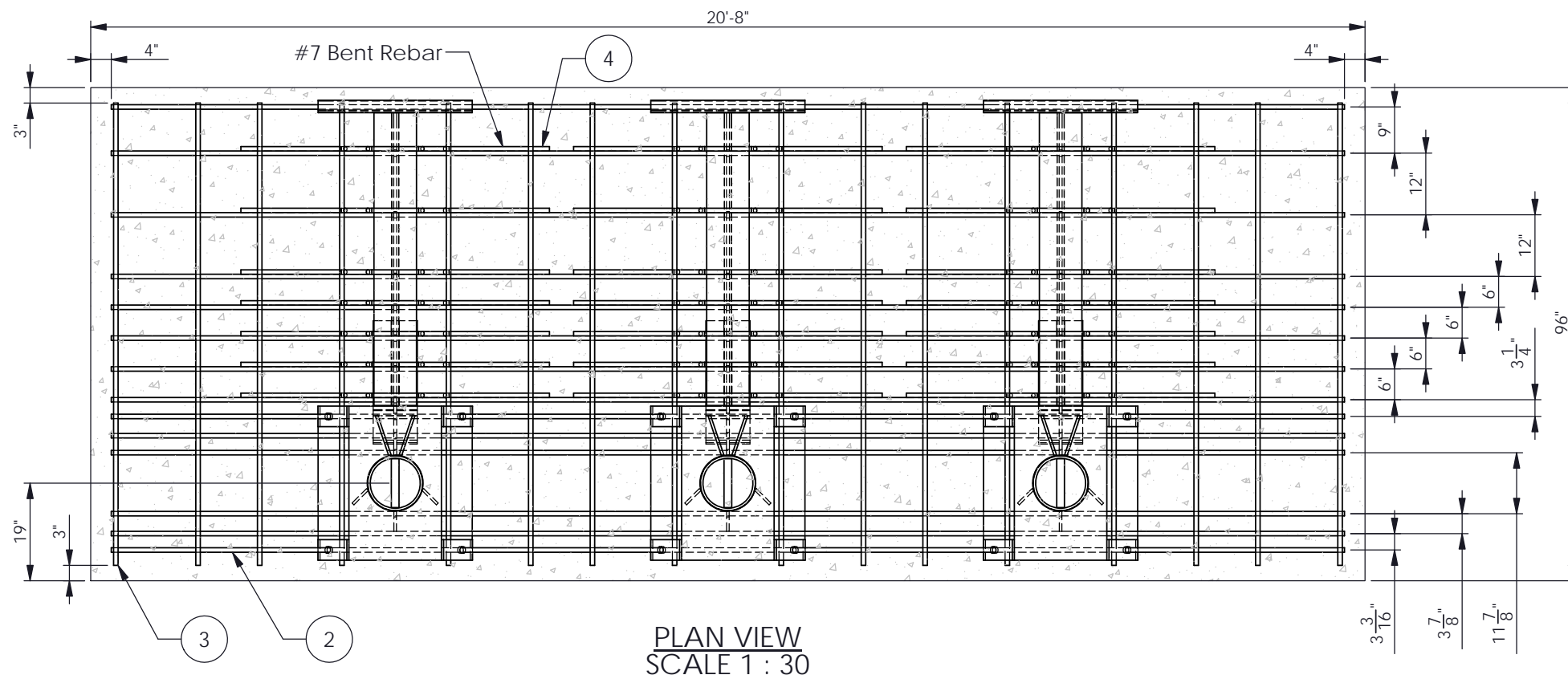
**UTILITY EXHIBIT**

**GSA PITTSBURGH MOOREHEAD  
BLAST FILM AND BOLLARD DESIGN**

PITTSBURGH, PENNSYLVANIA

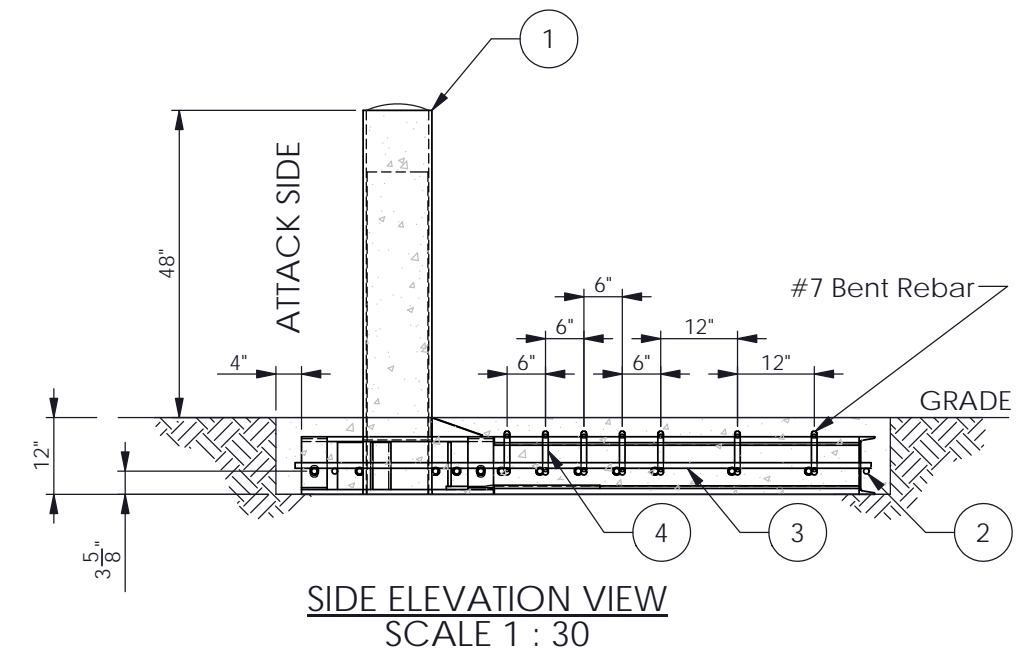
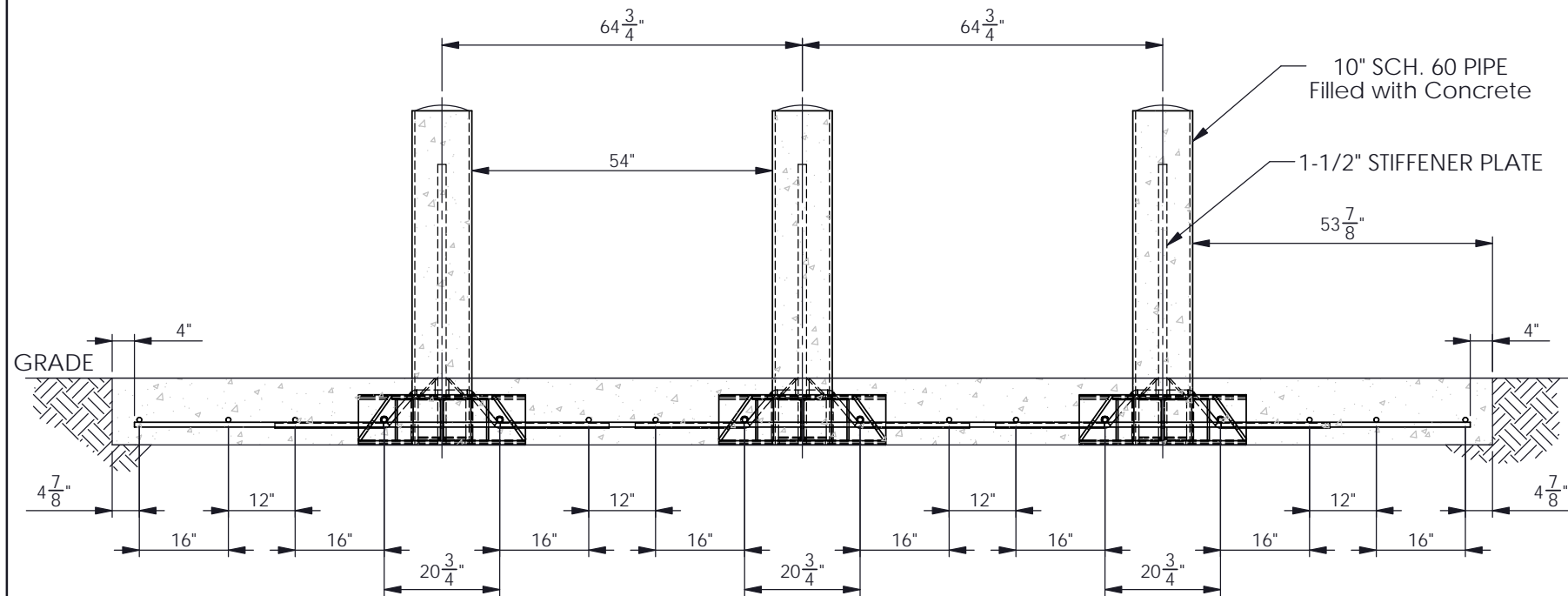
HORIZ. SCALE:	VERT. SCALE:
DATE: DECEMBER 2021	PLAN: COUNTY PLAN ###
JOB: 3298-0701	CADD:
NCS:	NUMBER: 01 of 04






G-1150 SHALLOW MOUNT BOLLARD SYSTEM				
ITEM NO.	PART NUMBER	DESCRIPTION	MEASURE	QTY.
1	G-1150	M50 P1 Shallow Mount Bollard		3
2	R-7-20	#7 Horizontal rebar	20'-0"	14
3	R-7-7.5	#7 Vertical rebar	7'-6"	16
4	R-7-5	#7 Bent Rebar	5'-0"	21

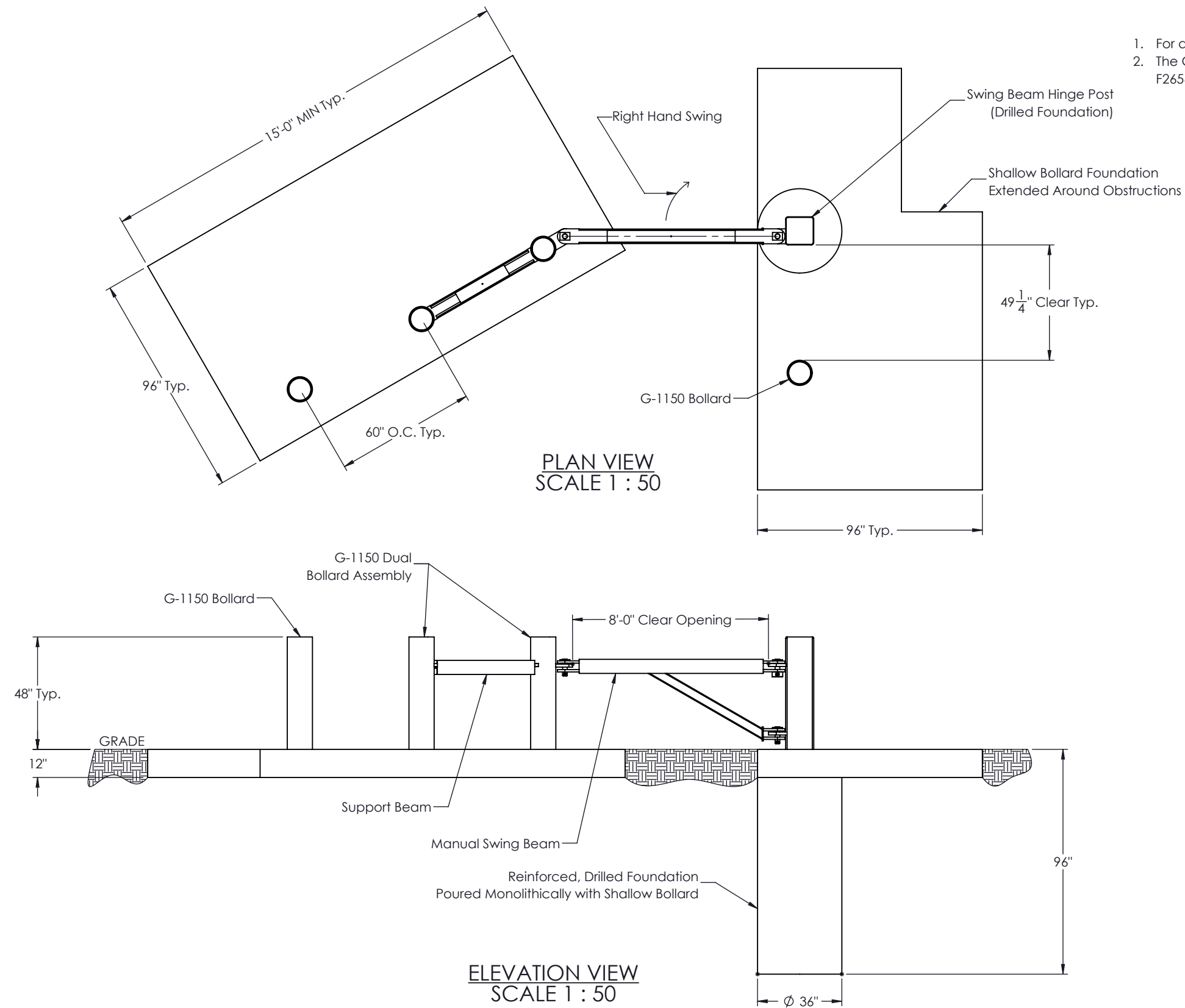
EXHIBIT C  
PASSIVE BOLLARD  
INFORMATION



PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GIBRALTAR. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF GIBRALTAR IS PROHIBITED.				PRODUCT: G-1150		DESCRIPTION: M50 Shallow Mount Bollard Rebar Layout		
REV # 3 2 1 0	DESCRIPTION: Updated bent rebar count Added new sheet 1 for more clarity Approved for distribution Issued for approval	DRAWN BY: JP JP EJ EJ	APPD BY: JP JP JP JP	DATE: 06-20-17 10-26-16 02-23-16 12-09-15				PROJECT: STANDARD
								SCALE: 1:30

**GENERAL NOTES**

1. For additional information contact Gibraltar, Inc. at 1-800-495-8957.
2. The G-1150 Shallow Mount Bollard is tested and certified to ASTM F2656-07 M50 P1 rating.



**EXHIBIT D**  
**MAUNAL SWING**  
**BEAM**  
**INFORMATION**

PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GIBRALTAR. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF GIBRALTAR IS PROHIBITED.					PRODUCT: <b>G-1150</b>	SHEET DESCRIPTION: <b>M50 Swing Beam With Shallow Mount Bollards</b>		
REV # 0	DESCRIPTION: Approved for distribution	DRAWN BY: JP	APPD BY: PL	DATE: 4/20/2020		PROJECT: <b>Standard</b>		
						SCALE: Varies	SHEET: 1 OF 1	DWG # MOORHEAD-BM2-SL

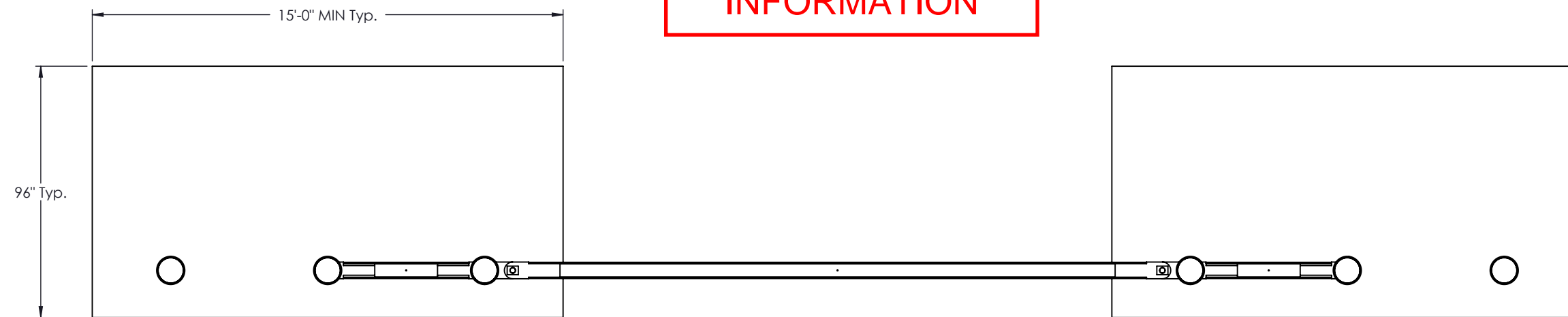
# EXHIBIT E

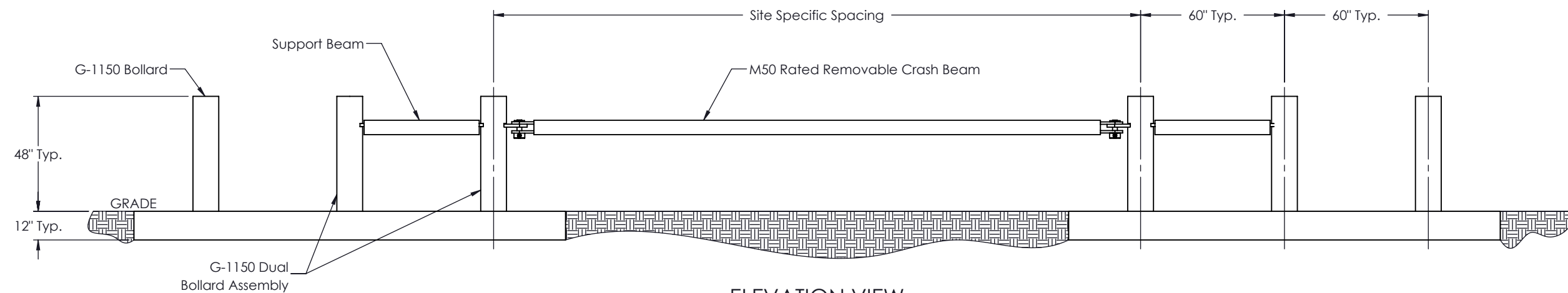
## CRASH BEAM INFORMATION

### GENERAL NOTES

1. For additional information contact Gibraltar, Inc. at 1-800-495-8957.
2. The G-1150 Shallow Mount Bollard is tested and certified to ASTM F2656-07 M50 P1 rating.



PLAN VIEW  
SCALE 1 : 50



ELEVATION VIEW  
SCALE 1 : 50

PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GIBRALTAR. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF GIBRALTAR IS PROHIBITED.					PRODUCT:  <b>G-1150</b>	SHEET DESCRIPTION:  <b>M50 Removable Crash Beam With Shallow Mount Bollards</b>	
REV # 0	DESCRIPTION: Approved for distribution	DRAWN BY: JP	APPD BY: PL	DATE: 04/17/2020			
					SCALE: Varies	SHEET: 1 OF 1	DWG # MOORHEAD-BM1-SL



April 26, 2021  
Mr. Christopher Kingsland PE, LEED AP, BD+C  
Gordon

**RE: ATT&T Atlanta Approval for Encroachment Permit  
1000 Liberty Ave Moorhead Building  
AT&T Reference No.: PA 2021-0020**

Dear Mr. Kingsland:

Per our conversation and after reviewing the locations based on the information provided for the above referenced project, I have determined that AT&T Atlanta does **not** have a Fiber Optic Cable in the described area of this project. Our closest facilities are in Leased Verizon conduit, and are located as follows: Core cables originate at 635 Grant St: on William Penn PI north to seventh then heading west, and, on Strawberry Way east to William Penn PI, then heading south.  
If you have any further question or need additional information, please contact me directly.

Thanks,  
Mike

Please direct any future questions or coordination regarding this project to my Engineering Consultant for Pennsylvania:  
Mike Huddleston, Project Manager \ Engineer  
(O) 724-495-4161 (C) 724-622-7196  
mhuddleston@mbakerintl.com

Michael Baker International  
100 Airside Drive  
Pittsburgh, Pennsylvania, 15108  
Thank you for your inquiry and interest in protecting our cables.  
Sincerely,

A handwritten signature in black ink, appearing to read "Michael Diederich".

For:  
Michael Diederich  
Cable Engineer-Supervisor

MD/MGH  
Cc: Mike Huddleston Michael Baker Intl.



AT&T  
Carlo Verdi  
200 South Laurel Ave  
Middletown, NJ 07748  
732-610-9598

**Date: June 10,2021**

**Brian Ralston  
DOMI  
CITY OF PITTSBURGH  
611 2ND AVE  
PITTSBURGH, PA 15219**

**Re: PROPOSED ENCROACHMENT**

**This document was prepared in response to the request made to AT&T LNS.**

**To Whom It May Concern;**

This is in response to your request for AT&T LNS to investigate the potential impacts made to AT&T facilities by the construction of the Moorhead Security Barrier Project at 1000 Liberty Avenue. The AT&T LNS fiber cable enters the 1000 Liberty Ave., Moorhead Building through a Duquesne Light duct line. There is not an AT&T conduit you would encroach upon and I'm sure our cable that is in the Duquesne Light duct is well distanced from the 12" depth you require.

**Sincerely & on behalf of Brian Kerr**

*Carlo Verdi III*

**Carlo Verdi III  
AT&T  
200 South Laurel Ave, Middletown NJ 07748  
m 732-610-9598 | cverdi@att.com**

---

STEPHANIE K. LEWIS

(412)584-5015

August 13, 2021

Chris Kingsland  
4501 Daly Drive, Suite 200  
Chantilly, VA 20151

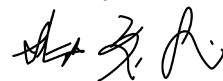
**Re: 1000 Liberty Ave, Pittsburgh, PA - William S. Moorehead Federal Building**

Dear Mr. Kingsland:

Columbia Gas of Pennsylvania does not have facilities in the vicinity of 1000 Liberty Ave, Pittsburgh, PA and will be unaffected by the proposed work at that location.

Please contact me at the above phone number should you have any questions.

Sincerely,



Stephanie K. Lewis  
Field Engineering Leader



May 27, 2021

Mr. Christopher Kingsland  
Gordon  
4501 Daly Drive, Suite 200  
Chantilly, VA 20151

Dear Mr. Kingsland:

As the construction contact for Comcast, I am responding to your inquiry regarding a paper street vacation for 1000 Liberty Avenue/Moorhead Federal Building Street, as described in your May 26, 2021, inquiry to Comcast. Per our emails, we appreciate your attention to not blocking access to the manhole lid.

As such, Comcast has no conflicts at this location.

Please let us know if you need any further information or confirmation.

Thank you.

*Eugene Levi*

Gene Levi  
Comcast Cable Communications Inc  
Construction / Engineering  
[Eugene\\_Levi@cable.comcast.com](mailto:Eugene_Levi@cable.comcast.com)  
412-996-4188 (c)

Cc: Jennifer M. Cloonan, Director, External & Government Affairs  
Comcast – Keystone Region  
[Jennifer\\_Cloonan@comcast.com](mailto:Jennifer_Cloonan@comcast.com)

## Chris Kingsland

---

**From:** Hillegass, Caleb <Caleb.Hillegass@crowncastle.com>  
**Sent:** Wednesday, May 26, 2021 4:16 PM  
**To:** Chris Kingsland  
**Cc:** Wilbur Peart  
**Subject:** RE: Crown Castle Approval for Encroachment Permit 1000 Liberty Ave Moorhead Building  
**Attachments:** Gordon.png

Chris,

As we spoke a little bit ago. Crown Castle utilities are located within leased conduit from Verizon, and as long as Verizon clears there side we are good on our side. Crown Castle has conduit that is on the other side of William Penn Place, and that is not near work that is going to be done that is proposed in the drawing.

Thanks,

**Caleb Hillegass**  
**Small Cell & Fiber Solutions**  
Sr Network Ops Tech  
M: (814)-285-8461

**CROWN CASTLE**  
1500 Corporate Dr. Canonsburg, PA 15317  
[CrownCastle.com](http://CrownCastle.com)

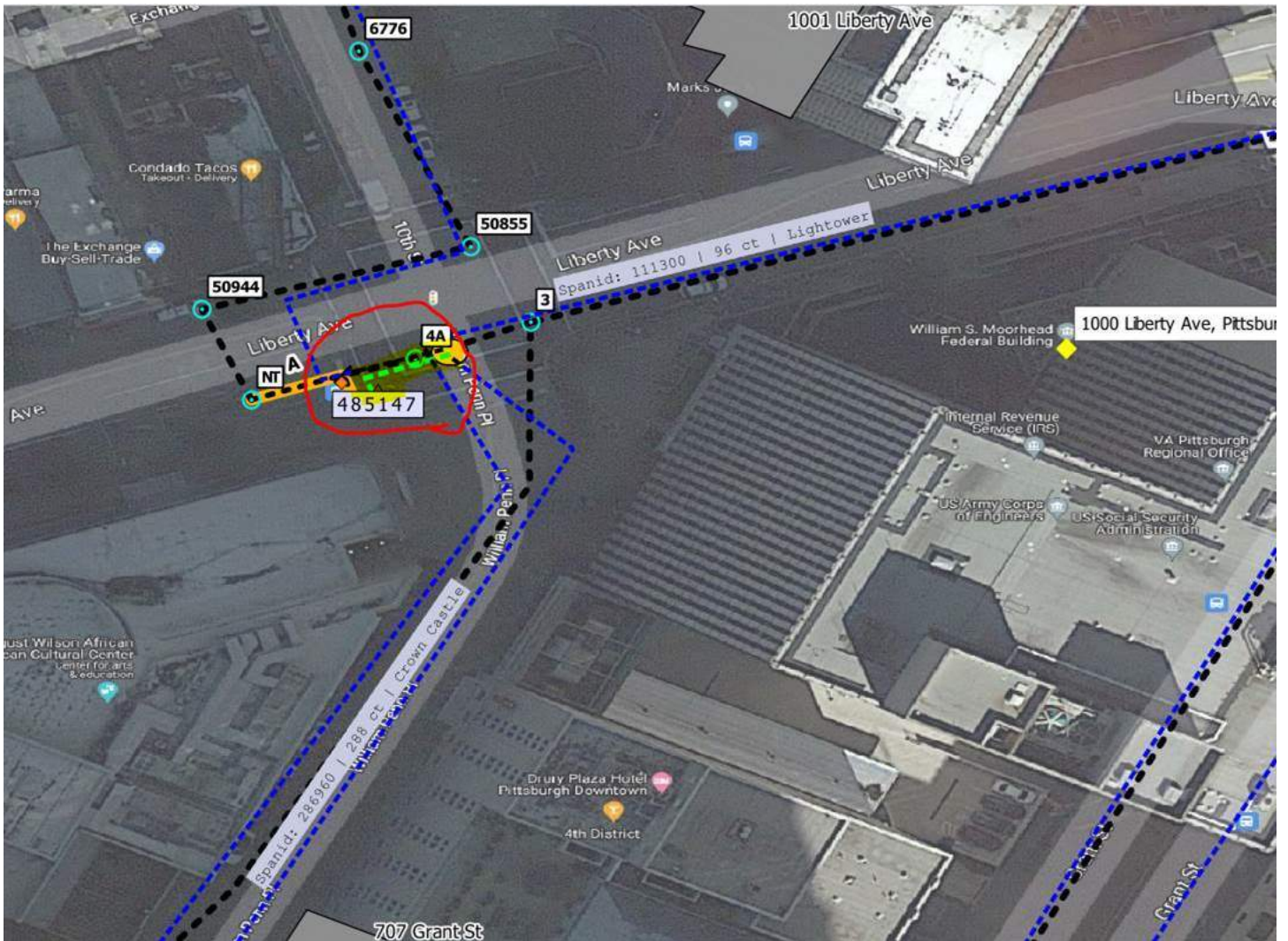
---

**From:** Hillegass, Caleb  
**Sent:** Wednesday, May 26, 2021 13:57  
**To:** Chris Kingsland <ckingsland@gordon.us.com>  
**Cc:** Wilbur Peart <wpeart@gordon.us.com>  
**Subject:** RE: Crown Castle Approval for Encroachment Permit 1000 Liberty Ave Moorhead Building

Chris,

I worked with our construction managers, and fiber engineers. Crown Castle facilities are located within Verizon conduit at the SE of William Penn Place and Liberty Ave, then continuing on Liberty Ave. We have Crown Castle conduit to the SW of William Penn Place ( circled in red ), and don't think this is part of the scope of work.





Thanks,

**Caleb Hillegass**  
Small Cell & Fiber Solutions  
Sr Network Ops Tech  
M: (814)-285-8461

**CROWN CASTLE**  
1500 Corporate Dr. Canonsburg, PA 15317  
[CrownCastle.com](http://CrownCastle.com)

---

**From:** Chris Kingsland <[ckingsland@gordon.us.com](mailto:ckingsland@gordon.us.com)>  
**Sent:** Tuesday, May 25, 2021 21:39  
**To:** Hillegass, Caleb <[Caleb.Hillegass@crowncastle.com](mailto:Caleb.Hillegass@crowncastle.com)>  
**Cc:** Wilbur Peart <[wpeart@gordon.us.com](mailto:wpeart@gordon.us.com)>  
**Subject:** RE: Crown Castle Approval for Encroachment Permit 1000 Liberty Ave Moorhead Building

**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Thank you Caleb. I look forward to hearing from you.

**Christopher Kingsland, PE, LEED AP, BD+C**

Associate | Senior Project Manager

---

**From:** Hillegass, Caleb <[Caleb.Hillegass@crowncastle.com](mailto:Caleb.Hillegass@crowncastle.com)>  
**Sent:** Tuesday, May 25, 2021 9:21 PM  
**To:** Chris Kingsland <[ckingsland@gordon.us.com](mailto:ckingsland@gordon.us.com)>  
**Cc:** Wilbur Peart <[wpeart@gordon.us.com](mailto:wpeart@gordon.us.com)>; Crown Castle Fiber NOC <[fibersupport@crowncastle.com](mailto:fibersupport@crowncastle.com)>  
**Subject:** Re: Crown Castle Approval for Encroachment Permit 1000 Liberty Ave Moorhead Building

Hi Chris,

I apologize that we didn't get back to you sooner. I have received your documents, and we will respond back to you by end of day tomorrow.

Thanks,

**Caleb Hillegass**  
**Small Cell & Fiber Solutions**  
Sr Network Ops Tech  
M: [\(814\)-285-8461](tel:(814)285-8461)

**CROWN CASTLE**  
1500 Corporate Dr. Canonsburg, PA 15317  
[CrownCastle.com](http://CrownCastle.com)

Get [Outlook](#) for iOS

---

**From:** Chris Kingsland <[ckingsland@gordon.us.com](mailto:ckingsland@gordon.us.com)>  
**Sent:** Tuesday, May 25, 2021 19:58  
**To:** Hillegass, Caleb  
**Cc:** Wilbur Peart; Crown Castle Fiber NOC  
**Subject:** RE: Crown Castle Approval for Encroachment Permit 1000 Liberty Ave Moorhead Building

**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Caleb Hillegass,

After contacting [FiberSupport@crowncastle.com](mailto:FiberSupport@crowncastle.com) last month, I sent the email below requesting assistance reviewing improvements in the public right-of-way as part of our permitting process for improvements to 1000 Liberty Avenue in Pittsburgh, PA.

I have not received correspondence from Crown Castle regarding my inquiry. Did you receive my email and the previously attached documents?

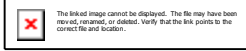
May I expect an approval letter for the improvements to the right-of-way soon?

If you sent information to me via email, please give me a call at 703-263-7989 to confirm as I'm afraid our email settings may have blocked your response.

Thank you in advance for your timely response and coordination.

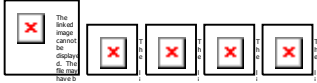
**Christopher Kingsland, PE, LEED AP, BD+C**

Associate | Senior Project Manager



4501 Daly Drive, Suite 200, Chantilly, VA 20151

**D:** 703.263.7989 | **O:** 703.263.1900 | **W:** [gordon.us.com](http://gordon.us.com)



---

**From:** Chris Kingsland

**Sent:** Monday, April 26, 2021 3:13 PM

**To:** [caleb.hillegass@crowncastle.com](mailto:caleb.hillegass@crowncastle.com)

**Cc:** Wilbur Peart <[wpeart@gordon.us.com](mailto:wpeart@gordon.us.com)>

**Subject:** Crown Castle Approval for Encroachment Permit 1000 Liberty Ave Moorhead Building

Dear Caleb Hillegass,

I am a civil engineer representing the United States General Services Administration (GSA) on a project to install new security improvements at the William Moorhead Federal Building at 1000 Liberty Avenue in Pittsburgh, PA. The improvements require permanent modifications to the public right-of-way including the installation of permanent vehicle barriers. An Encroachment Permit is required from the City of Pittsburgh Department of Mobility and Infrastructure (DOMI). As part of the permit approval process, DOMI requires documentation from all corresponding utility companies stating approval/easement/agreement for the proposed improvements. Crown Castle was identified as an approving utility owner.

Please see the attached letter and the attached drawings. The drawings are protected by a password that will follow in a separate email.

Thank you for your assistance and I look forward to hearing from you.

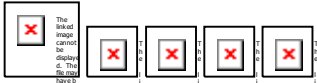
**Christopher Kingsland, PE, LEED AP, BD+C**

Associate | Senior Project Manager



4501 Daly Drive, Suite 200, Chantilly, VA 20151

**D:** 703.263.7989 | **O:** 703.263.1900 | **W:** [gordon.us.com](http://gordon.us.com)



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This email may contain confidential or privileged material. Use or disclosure of it by anyone other than the recipient is unauthorized. If you are not an intended recipient, please delete this email.

The Region's *Premier*  
Network Services Provider

May 26, 2021

**VIA EMAIL:** [ckingsland@gordon.us.com](mailto:ckingsland@gordon.us.com)

**Re: Proposed Vehicle Barrier @ 1000 Liberty Ave**

Dear Christopher Kingsland:

DQE Communications reviewed this request, and we have no issues. While DQE has facilities in the area our infrastructure is within Duquesne Light conduits and duct banks.

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 DQE's rights or remedies, either at law or in equity, in connection with any of the matters raised, all of which are expressly reserved.

**Thomas Neugebauer**

*Sr. Operations Manager*

SouthSide Works

424 South 27th Street, Suite 220

Pittsburgh, PA 15203

412-393-1022 - office

412-667-1229 – cell





**Deo Alexander**  
*Engineering*

2841 New Beaver Avenue Pittsburgh PA 15233 | Mail Drop N3-AM  
Tel 412-393-4921 | Email: [dalexander@duqlight.com](mailto:dalexander@duqlight.com)

5/20/21

**VIA EMAIL:** [ckingsland@gordon.us.com](mailto:ckingsland@gordon.us.com)

**Re: Proposed Vehicle Barrier @ 1000 Liberty Ave**

Dear Christopher Kingsland:

Duquesne Light has field and reviewed this request, and we have no issues. Based on your plans, there is no encroachment on DLC facilities.

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,

*D. Alexander*

**Deo Alexander**  
*Supervisor, Engineering*  
412.393.4921 (Office)  
[ckovach@duqlight.com](mailto:ckovach@duqlight.com)

Duquesne Light Company  
465 Hersey Rd. Penn Hill, PA 15235  
[DuquesneLight.com](http://DuquesneLight.com)

**cc:** Robby Frantz



200 Technology Drive  
Pittsburgh, PA 15219

Re: PROPOSED ENCROACHMENT (Moorhead Security Barrier Project at 1000 Liberty Avenue Pittsburgh, PA 15222).

Dear, Christopher Kingsland:

We have reviewed your drawings detailing the construction of the Moorhead Security Barrier Project at 1000 Liberty Avenue in Pittsburgh, PA.

In review of your design, Lumen has no objection to the method and manner of construction of the transmission lines near our facilities.

Furthermore, the drawings provided indicate that the Lumen underground facilities in the proposed construction area will not be impacted.

Should you have any questions or concerns regarding these terms, please contact Cliff Johnson (412) 627-8360 or Paul Erickson (717) 516-7557.

Thank you,



**Cliff Johnson**

Network Implementation Program Manager

200 Technology Dr., Pittsburgh, PA 15219

tel: 412-627-8360 | cell: 412-439-5594

[cliff.johnson@lumen.com](mailto:cliff.johnson@lumen.com)

## Chris Kingsland

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**From:** Jay R Lucas <Jay.Lucas@amwater.com>  
**Sent:** Tuesday, April 20, 2021 4:43 PM  
**To:** Chris Kingsland; Jason R Costa  
**Cc:** Wilbur Peart  
**Subject:** RE: Verizon Approval for Encroachment Permit 1000 Liberty Ave Moorhead Building

Chris,

Pennsylvania-American Water Company (PAW) does not have any facilities located in 1000 Liberty Avenue, Pittsburgh, PA. This location is outside of our service area.

Let us know if you have any questions or need any additional information. Thanks.

Jay

Jay R. Lucas, P.E.  
Engineering Manager, Western PA  
Pennsylvania-American Water Company  
300 Galley Road  
McMurray, PA 15317

(724) 873-3653 - Office  
(724) 743-3120 - Fax  
(412) 841-2520 - Mobile  
7-343-3653 - VOIP

[jay.lucas@amwater.com](mailto:jay.lucas@amwater.com)

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**From:** Chris Kingsland <ckingsland@gordon.us.com>  
**Sent:** Tuesday, April 20, 2021 4:40 PM  
**To:** Jay R Lucas <Jay.Lucas@amwater.com>; Jason R Costa <Jason.Costa@amwater.com>  
**Cc:** Wilbur Peart <wpeart@gordon.us.com>  
**Subject:** Verizon Approval for Encroachment Permit 1000 Liberty Ave Moorhead Building

**EXTERNAL EMAIL:** The Actual Sender of this email is [ckingsland@gordon.us.com](mailto:ckingsland@gordon.us.com) "Think before you click!"

Dear Jay Lucas and Jason Costa,

I am a civil engineer representing the United States General Services Administration (GSA) on a project to install new security improvements at the William Moorhead Federal Building at 1000 Liberty Avenue in Pittsburgh, PA. The improvements require permanent modifications to the public right-of-way including the installation of permanent vehicle barriers. An Encroachment Permit is required from the City of Pittsburgh Department of Mobility and Infrastructure (DOMI). As part of the permit approval process, DOMI requires documentation from all corresponding utility companies stating approval/easement/agreement for the proposed improvements. Pennsylvania American Water was identified by DOMI as an approving utility owner.

Please see the attached letter and the attached drawings. The drawings are protected by a password that will follow in a separate email.

Thank you for your assistance and I look forward to hearing from you.

**Christopher Kingsland, PE, LEED AP, BD+C**

Associate | Senior Project Manager



4501 Daly Drive, Suite 200, Chantilly, VA 20151

**D:** 703.263.7989 | **O:** 703.263.1900 | **W:** [gordon.us.com](http://gordon.us.com)



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





Janice Saltzman  
TEL 412.258.4669  
MOBILE 412.580.9744  
[jsaltzman@peoples-gas.com](mailto:jsaltzman@peoples-gas.com)

May 11, 2021

Karina Ricks, Director  
Department of Mobility and Infrastructure  
City of Pittsburgh  
611 Second Avenue  
Pittsburgh, PA 15219

RE: Proposed Encroachment – William Moorhead Federal Building  
1000 Liberty Avenue, 2<sup>nd</sup> Ward, City of Pittsburgh, Parcel 9-P-150

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Dear Ms. Ricks:

This letter is in response to a request that Peoples Natural Gas Company (Peoples) received from Gordon Civil Engineering regarding security improvements and vehicle barriers within the public right of way at the above-referenced location.

Based on the drawings provided to Peoples, the planned encroachments will not interfere with our gas facilities in this area.

Peoples has no objection to the proposed encroachment.

Sincerely,

Janice Saltzman  
Land Department



**April 21, 2021**

**Brian Ralston  
DOMI  
CITY OF PITTSBURGH  
611 2<sup>ND</sup> AVE  
PITTSBURGH, PA 15219**

**Re: PROPOSED ENCROACHMENT**

**This document was prepared in response to the request made to Verizon-PA. Inc**

This is in response to your request for Verizon – PA, Inc. to investigate the potential impacts made to Verizon facilities by the construction of the **Moorhead Security Barrier Project at 1000 Liberty Avenue**. The drawings provided indicate that the Verizon underground facilities in the proposed construction area will not be impacted. Verizon has no objection to the proposed encroachment.

Should you have any questions or concerns regarding these terms, please contact **Gary Redondo (412)237-2293**

Sincerely

Gary Redondo  
Engineer –Network Operations Engineering  
15 E Montgomery Pl, Pittsburgh PA 15212  
O 412.237.2293 | M 412.667.8618  
[Gary.Redondo@verizon.com](mailto:Gary.Redondo@verizon.com)



Regional Engineering and Construction  
630 Clark Ave.  
King of Prussia, PA 19406

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**Thursday, June 3, 2021**

**RE: Verizon Business Approval for Encroachment6 Permit 1000 Liberty Ave Moorhead Building**

Dear Mr. Kingsland,

I reviewed the drawings for your proposed project. All of Verizon Business's facilities are in the street at 10<sup>th</sup> Street, William Penn Place & Liberty Avenue. I do not see any conflict with your proposed work.

Thank you for your notification.

Sincerely,

A handwritten signature in black ink that reads "Scott Dreiling". The signature is written in a cursive style with a horizontal line at the end.

Scott Dreiling  
VZB Outside Plant Engineer



Pittsburgh Allegheny County Thermal, Ltd.

**120 Cecil PI**  
**Pittsburgh PA, 15222**  
**P: 412-642-2796**  
**F: 412-642-4204**

February 4, 2022

Dear Chris Kingsland:

After reviewing the changes proposed by your team on December 6, 2021, PACT does not see a problem with the work to proceed for the security improvements to 1000 Liberty Avenue. If any further comment, questions, or concerns require discussion, please reach out direct to either Jerome Griger or myself.

Regards,

A handwritten signature in black ink, appearing to read "T. O'Brien", written in a cursive style.

Timothy O'Brien

PACT: Operations Manager