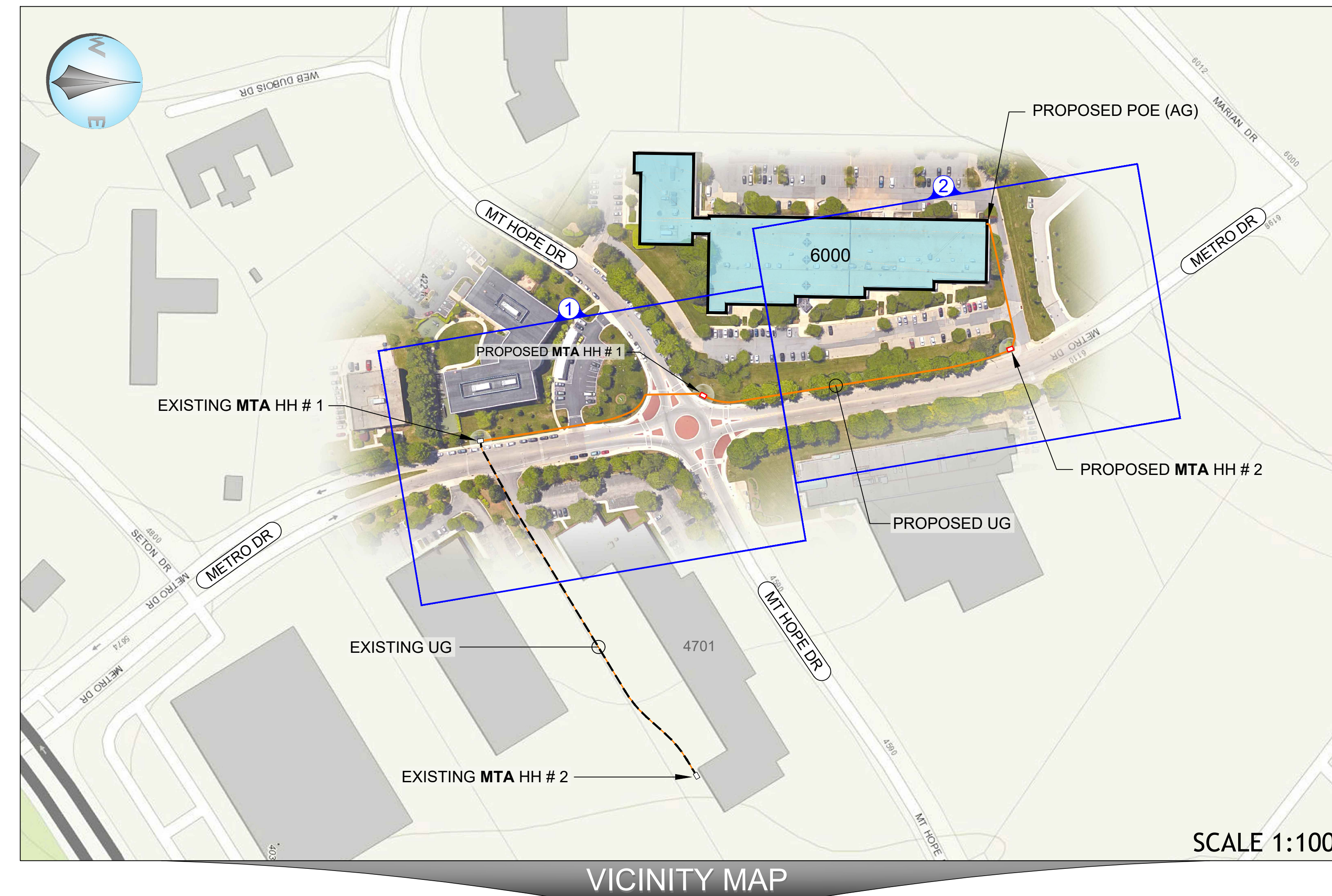


MTA Maryland

6000 Metro LLC

6000 Metro Drive, Baltimore, MD 21215
[24ct FOC Lateral]

(Developer's Agreement No. 1676)



INDEX

- 1 - COVER SHEET
- 2 - GENERAL NOTES & LEGEND
- 3 - TYPICAL DETAILS
- 4 - PROJECT SHEET (1)
- 5 - PROJECT SHEET (2)
- 6 - PARTIAL 1ST FLOOR PLAN
- 7 - BORE PROFILE (1)
- 8 - BORE PROFILE (2)
- 9 - TRAFFIC CONTROL

CONTACTS

MTA: GRAYSON MORRIS (Customer)
(410) 805-8777
gmorris1@mta.maryland.gov

MTA (Bldg): ROB OLYPHANT (Superintendent)
(410) 454-7942
Fare Collection Maintenance

TIER 4: ALEX MILWID (Project Manager)
(443) 223-0792
alex.milwid@tier4md.com

FPD: MATT HANES (Project Engineer)
(484) 571-7751
mhanes@precisionfd.com

SCOPE of WORK

THIS PROJECT SHALL PROVIDE 6000 METRO DRIVE WITH A NEW CONDUIT PATH TO EXISTING MTA INFRASTRUCTURE ALONG THE WEST SIDE OF METRO DRIVE (EXISTING MTA HAND HOLE)

NEW UNDERGROUND CONDUIT SHALL BE PLACED BY MEANS OF DIRECTIONAL BORING FROM THE EXISTING MTA HAND HOLE TO THE PROPOSED POINT OF ENTRY (STORAGE ROOM) ABOVE GRADE

NEW PLENUM INNER-DUCT SHALL NAVIGATE TO THE PHONE ROOM & EXISTING RELAY RACK (CUSTOMER DEMARC)

(1) 24ct FIBER OPTIC CABLE SHALL BE PULLED FROM THE EXISTING MTA HAND HOLE TO THE 6000 METRO DRIVE FIRST FLOOR PHONE ROOM

EXISTING CUSTOMER CONDUIT SHALL BE UTILIZED FROM THE EXISTING MTA HAND HOLE TO 4701 MOUNT HOPE DRIVE (EXISTING HH)

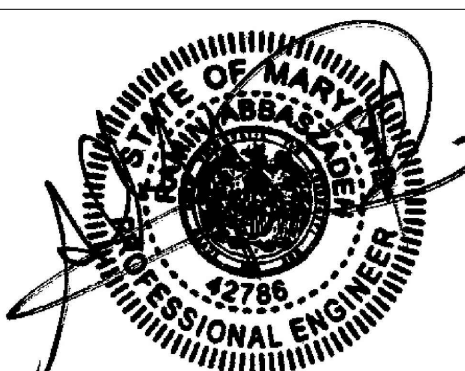
NEW PROJECT ±2,030' TOTAL

*** Confidentiality Notice ***

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I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND

LICENSE NO. 42786 EXPIRATION DATE / /



ENGINEER: RAMIN ABBASZADEH, P.E.	WARD: 28	SECT.:	APP.:
DATE: 06/07/19 LIC. NO. 42786	SECTION: 020	BLOCK: 4285	
DESIGNED BY: BRAD HANES (FPD)	LOT: 014		
DRAWN BY: MATT HANES (FPD)	BALTIMORE CITY REVIEW	8/16 RELEASE	HIGHWAY DESIGN
CHECKED BY: GRAYSON MORRIS	BY:		BRIDGES
	DATE:		DRAINAGE
			LIGHTING
			CONDUIT
			SEWAGE AND EROSION CONTROL
			TRAFFIC ENGINEERING
			WASTE WATER ENGINEERING
			WATER ENGINEERING
			SIGNAL ENGINEERING
			GRADE ESTABLISHMENT



Director, Department of Transportation

Director, Department of Public Works

6000 METRO LLC
OWNER:
6000 METRO LLC
APPLICANT:

CITY OF BALTIMORE
DEVELOPER'S AGREEMENT
No. 1676

6000 METRO LLC
6000 METRO DRIVE
BALTIMORE, MD 21215

SCALE: NTS DATE: 10/16/2020
DRAWING: MTA-6000-MD SHEET: 1 OF 9

(1) CONTRACTOR SHALL NOTIFY THE FOLLOWING AT LEAST 14 DAYS PRIOR TO STARTING WORK:

- a. MISS UTILITY **800-257-7777**
- b. STREET LIGHT MAINTENANCE **410-396 1311**
- c. CONDUIT MAINTENANCE **410-396-1515**

- (2) CONTRACTOR MUST HAVE ALL EXISTING UTILITY LOCATIONS MARKED PRIOR TO DISTURBING THE GROUND - CALL YOUR LOCAL UTILITY MISS UTILITY AT LEAST 72 HOURS IN ADVANCE OF ANY CONSTRUCTION 1-800-257-7777
- (3) THE CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL DIMENSIONS, QUANTITIES, AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION - ALL DEPICTED UTILITIES ARE ASSUMED LOCATIONS AND MUST BE VERIFIED. EXACT LOCATIONS OF NEW UNDERGROUND CONDUIT, VAULTS, AND MANHOLES SHALL BE DETERMINED UPON THE CURRENT LOCATIONS OF EXISTING UTILITIES - ROW LINES ARE APPROXIMATE - EXACT LOCATIONS ARE TO BE DETERMINED BY BALTIMORE CITY
- (4) THE CONTRACTOR MUST HAVE AT LEAST ONE (1) COPY OF THE APPROVED PERMIT FROM THE APPROPRIATE AGENCIES, ON THE JOBSITE, AT ALL TIMES
- (5) THE DUCT SECTION SHALL HAVE A MINIMUM COVER OF THREE FEET SIX INCHES (3'-6") UNDER ROADWAYS AND FOUR FEET (4'-0") UNDER SIDEWALKS. WHERE IT IS NOT POSSIBLE TO ADHERE TO THE MINIMUM COVER SPECIFIED BECAUSE OF AN UNDERGROUND OBSTRUCTION, THE ENGINEER SHALL GIVE APPROVAL BEFORE THE CONFIGURATION OF THE DUCT SECTION OR DEPTH OF COVER IS REVISED - REFER TO BC STD 824.08 (PROTECTION SLAB FOR SHALLOW LOCATIONS)
- (6) ANY LANDSCAPING AND OR HARDSCAPING SHALL BE REPLACED TO EQUAL OR BETTER CONDITION THAN THAT WHICH EXISTED PRIOR TO WORK
- (7) PROJECT SITE WILL BE PROPERLY SECURED PRIOR TO THE END OF EACH DAY
- (8) ALL WORK IS TO BE IN ACCORDANCE WITH ALL AUTHORITIES HAVING JURISDICTION IN THE WORK ZONE - ALL WORK SHALL COMPLY WITH APPLICABLE LOCAL, STATE, AND FEDERAL REGULATORY AGENCIES
- (9) CONTRACTORS ARE ADVISED TO CONTACT MTA FOR ANY ADDITIONAL INFORMATION OR CLARIFICATION CONCERNING SCOPE OF WORK OR THE REQUIREMENTS NECESSARY FOR PROJECT COMPLETION
- (10) CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL DIMENSIONS, QUANTITIES AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION. IF A SIGNIFICANT CHANGE TO THE RUNNING LINE IS NEEDED, PLEASE CONTACT YOUR MTA REPRESENTATIVE BEFORE PROCEEDING
- (11) BEFORE CONSTRUCTION BEGINS, THE CONTRACTOR SHALL TAKE APPROPRIATE PRECAUTIONS TO AVOID ANY POTENTIAL OBSTRUCTIONS PRIOR TO PROCEEDING WITH WORK
- (12) CONTRACTOR SHALL NOT PROCEED WITH WORK UNTIL HE HAS RECEIVED A PURCHASE ORDER AND HAVE BEEN DIRECTED TO DO SO BY AN AUTHORIZED MTA REPRESENTATIVE
- (13) CONTRACTOR SHALL NOT EXCEED THE PURCHASE ORDER VALUE WITHOUT AUTHORIZATION IN WRITING FROM THE APPROPRIATE MTA REPRESENTATIVE
- (14) THE CONTRACTOR SHALL NOTIFY DPW (DOT CONDUIT MAINTENANCE - JEFF HARTMAN) A MINIMUM OF SEVENTY-TWO (72) HOURS (EXCLUDING WEEKENDS AND HOLIDAYS) PRIOR TO THE CONTRACTOR'S ANTICIPATED BEGINNING OF ANY UNDERGROUND WORK
- (15) THE REMOVAL AND DISPOSAL OF EXISTING PAVEMENT, SIDEWALKS, CURB AND COMBINATION CURB AND GUTTER, SHALL OCCUR WHEN WITHIN THE LIMITS OF ANY CLASS OF EXCAVATION IS MET. THE WORK SHALL BE AS SPECIFIED IN 02 41 13.16, (REMOVAL OF EXISTING PAVEMENT, SIDEWALK, PAVED DITCHES, CURB OR COMBINATION CURB AND GUTTER)
- (16) THE CONTRACTOR SHALL REMOVE PAVEMENT, SIDEWALK, CURB, ETC. OVER THE LINE OF THE PROPOSED ROUTE IN ACCORDANCE WITH THE REQUIREMENTS OF 32 01 30.1 0, (PATCH EXISTING PAVEMENT AND RESET UTILITY SERVICES)
- (17) IF A SIDEWALK(S) IS AFFECTED BY A UTILITY CUT, THE CONTRACTOR MUST RESTORE IT TO ITS ORIGINAL CONDITION WITH MATERIALS IDENTICAL TO THOSE OF THE ORIGINAL SIDEWALK. ALL SIDEWALKS SHALL BE REMOVED AND REPLACED TO THE NEAREST EXISTING EXPANSION OR CONTRACTION JOINT ON EITHER SIDE OF THE UTILITY CUT
- (18) ALL TRAFFIC CONTROL DEVICES SHALL BE IN PLACE PRIOR TO CONSTRUCTION. ALL CONSTRUCTION ZONES SHALL BE CLEAR OF SUCH DEVICES UPON COMPLETION - PROPER PEDESTRIAN TRAFFIC ROUTES AND CLEARANCE MUST BE MAINTAINED AT ALL TIMES
- (19) AS-BUILTS WILL BE REQUIRED FOR EACH PROJECT INCLUDING CABLE FOOTAGE SEQUENTIALS AT EVERY ACCESS POINT, SLACK LOOP, SPLICE LOCATION, POLE AND TERMINATION POINT. CONTRACTOR SHOULD ALSO PROVIDE NOTES OF ALL CHANGES IN DEPTHS, RUNNING LINES, MH/HH LOCATIONS, AND ANY OTHER APPLICABLE NOTES TO DEPICT THE WORK THAT WAS CONDUCTED AND BE SUBMITTED TO THE CITY OF BALTIMORE, CONDUIT SECTION. NOTE: ALL MAJOR CHANGES NEED TO BE PRE-APPROVED BY AN AUTHORIZED MTA EMPLOYEE PRIOR TO STARTING THE WORK

CONDUIT SPECS

(20) ALL UNDERGROUND CONSTRUCTION SHALL AVOID TREE CANOPY DRIP LINES WHERE POSSIBLE

- (21) LOCATE AND EXPOSE EXISTING CITY CONDUIT WITHIN THE PROPOSED ROUTE (IF NECESSARY)
- (22) DO NOT BEND CABLE, IN HANDLING OR INSTALLATION, TO SMALLER RADII THAN MINIMUM RECOMMENDED BY MANUFACTURER
- (23) INSTALL NONMETALLIC CONDUIT AND DUCT AS INDICATED ACCORDING TO MANUFACTURERS WRITTEN INSTRUCTIONS
- (24) MAKE JOINTS IN DUCTS AND FITTINGS WATERTIGHT ACCORDING TO MANUFACTURERS INSTRUCTIONS. STAGGER COUPLINGS SO THOSE OF ADJACENT DUCTS DO NOT LIE IN THE SAME PLANE
- (25) DUCT ENTRANCES TO MANHOLES AND HANDHOLES: SPACE END BELLS APPROXIMATELY TEN INCHES (10.0") (TWO HUNDRED FIFTY (250) MM) ON CENTER FOR FIVE INCH (5.0") (ONE HUNDRED TWENTY-FIVE (125) MM) DUCTS AND VARIED PROPORTIONATELY FOR OTHER DUCT SIZES. CHANGE FROM REGULAR SPACING TO END BELL SPACING TEN FEET (10.0) (THREE (3) M) FROM THE END BELL WITHOUT REDUCING DUCT LINE SLOPE AND WITHOUT FORMING A TRAP IN THE LINE. GROUT END BELLS INTO MANHOLE WALLS FROM BOTH SIDES TO PROVIDE WATERTIGHT ENTRANCES
- (26) THE MINIMUM FOC BENDING RADIUS SHALL BE 36.0" (CONDUIT SWEEPS)
- (27) #10 TRACE WIRE IS REQUIRED FOR ALL UNDERGROUND INSTALLATIONS
- (28) CONDUIT CAPS SHALL BE PLACED ON ALL VACANT DUCTS UNLESS CURRENTLY IN USE
- (29) PLACE AT LEAST 50.0' OF FOC SLACK (STORAGE COIL) WITHIN EACH MANHOLE / VAULT / HANDHOLE
- (30) THE REMOVAL AND STORAGE OF ALL UNDERGROWTH TO BE REPLACED IS THE RESPONSIBILITY OF THE CONTRACTOR
- (31) NO BEND IN A CONDUIT RUN SHALL BE GREATER THAN 90 DEGREES AND ONLY TWO (2) 90 DEGREE BENDS SHALL BE ALLOWED PER RUN
- (32) THE MAXIMUM DISTANCE BETWEEN MANHOLES / HAND HOLES SHALL NOT EXCEED 600.0'

HAND HOLE SPECS

- 33) HAND HOLES, HAND BOXES, AND MANHOLES SHALL BE INSTALLED FLUSH TO DRAIN WITH THE FINISHED GRADE
- 34) POLYMER CONCRETE HAND BOXES SHALL PROVIDE A WATERTIGHT SEAL ON THE HAND BOX AND BE SECURED WITH TWO PENTAGONAL BOLTS. THEY SHALL BE SKID RESISTANT AND COMPLY WITH ASTM C 1028. ALL HAND BOXES SHALL BE INSTALLED ON TWELVE INCHES (12") OF COMPACTED PEA GRAVEL WHICH IS TO EXTEND BEYOND THE BOX BY SIX INCHES (6") ON ALL SIDES. THE BOX SHALL BE SET TO FINISHED GRADE
- 35) CONDUIT SHALL BE PLACED UNDER EXISTING PAVEMENT BY JACKING, DRILLING, OR DIRECTIONAL BORING METHODS. PAVEMENT SHALL NOT BE DISTURBED WITHOUT PERMISSION FROM THE ENGINEER, EXCEPT AT POTHOLES, TO EXPOSE UTILITY LINES IN THE STREET. JACKING OR DRILLING PITS SHALL BE KEPT TWO FEET (2) CLEAR OF THE EDGE OF ANY TYPE OF PAVEMENT WHEREVER POSSIBLE. EXCESSIVE USE OF WATER, SUCH THAT PAVEMENT MIGHT BE UNDERMINED OR SOFTENED, WILL NOT BE PERMITTED. IN NO CASE SHALL ANY WATER USED IN THE WORK, BE ALLOWED TO ENTER ANY STORM DRAIN SYSTEM. JACKING PITS ADJACENT TO RAILROAD TRACKS SHALL BE CONSTRUCTED NOT LESS THAN TWELVE FEET (12) FROM THE CENTERLINE OF TRACK. WHEN THE JACKING PIT IS LEFT OVERNIGHT, IT SHALL BE COVERED WITH SUBSTANTIAL PLANKING

ADDITIONAL NOTES

- (36) THE CONTRACTOR IS REQUIRED TO NOTIFY BGE AND BALTIMORE CITY STREET LIGHTING MAINTENANCE AT 410-396-4446 FOUR WEEKS PRIOR TO STARTING WORK.
- (37) THE CONTRACTOR MUST PROTECT AND MAINTAIN EXISTING STREET LIGHTING AND CONDUIT/CABLE SYSTEM IN SERVICE. ANY INTERRUPTION OR DAMAGE TO STREET LIGHTING SERVICE, STREET LIGHT POLE OR CONDUIT/CABLE SHALL BE REPAIRED AS DIRECTED BY DOT STREET LIGHT MAINTENANCE AND BGE AT CONTRACTOR'S OWN EXPENSE
- (38) IF THE CONTRACTOR UNCOVERS OR DAMAGES A STREET LIGHT CONDUIT OR CABLE DURING CONSTRUCTION, THE CONTRACTOR IS REQUIRED TO NOTIFY STREET LIGHTING MAINTENANCE AT 410-396-4446 AND BGE IMMEDIATELY. STREET LIGHTING MAINTENANCE WOULD AFFECT REPAIRS OR DIRECT BGE TO MAKE SAFE CONDITIONS AND/OR REPLACE CONDUITS AND CABLE PRIOR TO RESUMING CONSTRUCTION. ALL SUCH REPAIRS SHALL BE MADE AT THE CONTRACTOR'S OWN EXPENSE.
- (39) THE CONTRACTOR WOULD BE RESPONSIBLE TO PROVIDE TEMPORARY LIGHTING AS PER BALTIMORE CITY STANDARDS IF THE EXISTING LIGHTS CANNOT BE MAINTAINED IN SERVICE DURING CONSTRUCTION UNTIL PERMANENT LIGHTING ARE OPERATIONAL.
- (40) THE CONTRACTOR IS REQUIRED TO CONTACT STREET LIGHTING MAINTENANCE FOR THE POLES AND LIGHT FIXTURES TO BE REMOVED AND SALVAGED AND TO COORDINATE DE-ENERGIZING AND RE-ENERGIZING THE LIGHT POLES BY BGE.
- (41) THE DEVELOPERS AND CONTRACTOR WOULD BE RESPONSIBLE FOR THE TOTAL COST OF STREET LIGHTING WORK INCLUDING REQUIRED CONDUIT CONSTRUCTION AND BGE SERVICES TO DE-ENERGIZE AND ENERGIZE LIGHT POLES.
- (42) BEFORE CONTRACTOR CAN REMOVE EXISTING POLES, THE CONTRACTOR IS REQUIRED TO CONTACT STREET LIGHTING MAINTENANCE TO AUTHORIZE STREET LIGHTING WORK WITH BGE AND OBTAIN COST ESTIMATE FOR BGE TO DE-ENERGIZE STREET LIGHT POLES AND LIGHT FIXTURES TO BE REMOVED AND SALVAGED. THE CONTRACTOR WILL RECEIVE SECOND ESTIMATE FOR BGE TO ENERGIZE THE STREET LIGHT POLES AFTER INSTALLATION.
- (43) THE CONTRACTOR IS REQUIRED TO CONTACT BGE AND DOT CONDUIT DIVISION 410-396-1515 FOR CONDUIT INSPECTION PRIOR TO FINAL PAVEMENT AND SIDEWALK WORK AND BGE CAN ENERGIZE THE LIGHT POLES.
- (44) THE DEVELOPERS AND CONTRACTOR WOULD BE RESPONSIBLE FOR THE TOTAL COST OF STREET LIGHTING WORK INCLUDING REMOVAL, INSTALLATION, REQUIRED CONDUIT CONSTRUCTION AND BGE SERVICES.

*** FOR ADDITIONAL DETAILS AND SPECIFICATIONS, PLEASE REFERENCE THE BALTIMORE CITY "GREEN BOOK" 2006 ***

<https://generalservices.baltimorecity.gov/gm-major-projects/greenbook>

CITY OF BALTIMORE
DEPARTMENT OF PUBLIC WORKS
SPECIFICATIONS

MATERIALS, HIGHWAYS, BRIDGES,
UTILITIES, AND INCIDENTAL STRUCTURES
(2006)

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND
LICENSE NO. 42786 EXPIRATION DATE / /

ENGINEER: <u>RAMIN ABBASZADEH, P.E.</u>	WARD : <u>28</u>																	
DATE: <u>06/07/19</u> LIC. NO. <u>42786</u>	SECTION : <u>020</u>	SECT.	APP.															
DESIGNED BY : <u>BRAD HANES (PFD)</u>	BLOCK : <u>4285</u>																	
DRAWN BY : <u>MATT HANES (PFD)</u>	LOT : <u>014</u>																	
CHECKED BY : <u>GRAYSON MORRIS</u>	BALTIMORE CITY REVIEW	B/W RELEASE	HIGHWAY DESIGN	BRIDGES	DRAINAGE	LIGHTING	CONDUIT	SEWAGE AND EROSION CONTROL	TRAFFIC ENGINEERING	WASTE WATER ENGINEERING	WATER ENGINEERING	SIGNAL ENGINEERING	GRADE ESTABLISHMENT					
	BY :																	
	DATE :																	

SYMBOLS

- FIRE HYDRANT
- STREET LIGHT
- STORM DRAIN LID / STRUCTURE
- SANITARY SEWER LID / STRUCTURE
- TELEPHONE LID / STRUCTURE
- ELECTRIC LID / STRUCTURE
- WATER LID / STRUCTURE
- WATER VALVE
- WATER METER
- GAS VALVE
- STORM DRAIN INLET
- SIGN (NO POWER)
- SIGN (POWER)
- SIGN (DISPLAY)
- PROPOSED HAND HOLE
- EXISTING HAND HOLE
- PROPOSED FOC STORAGE COIL
- TREE / BUSH
- HANDICAP PARKING

- ITEM DESCRIPTION -	STA. #
- LOCATION -	
- FIBER CT / TYPE -	
- SEQUENTIAL RECORD -	

'AT-A-GLANCE' INFORMATION BOX



3D MODEL VIEWER (LINK)
CLICKABLE ICONS TO EXPLORE CONSTRUCTION DETAILS

LINES

- EXISTING WATER
- EXISTING GAS
- EXISTING TELEPHONE
- EXISTING ELECTRIC
- EXISTING SANITARY SEWER
- EXISTING STORM DRAIN
- RIGHT-OF-WAY
- PROPERTY LINE
- BUILDING SETBACK
- EXISTING UNDERGROUND CONDUIT
- EXISTING UNDERGROUND UTILITY
- EXISTING FENCE
- BUILDING OUTLINE
- CURB & GUTTER
- PROPOSED UG CONDUIT w/ PROP. OSP FOC
- PROPOSED PLENUM ID w/ PROP. OSP FOC
- EXISTING UG CONDUIT w/ PROP. OSP FOC

SYMBOL

DESCRIPTION

CSW	CONCRETE SIDEWALK
DIP	DUCTILE IRON PIPE
EMT	EXTRUDED METAL TUBING
EOP	EDGE OF PAVEMENT
FOC	FIBER OPTIC CABLE
HDPE	HIGH DENSITY POLYETHYLENE
HH	HAND HOLE
RCP	REINFORCED CONCRETE PIPE
ROW	RIGHT-OF-WAY
SC	STORAGE COIL
STA.	STATION
UG	UNDERGROUND
WM	WATER METER
WV	WATER VALVE

NOTE

INFORMATION SHOWN IN THIS DRAWING PERTAINING TO EXISTING CONDITIONS HAS BEEN OBTAINED FROM AVAILABLE BUILDING DRAWINGS, ENGINEERING RECORDS, OR GENERAL FIELD OBSERVATIONS AND MAY NOT INDICATE ACTUAL EXISTING CONDITIONS IN DETAIL OR DIMENSION. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE ACTUAL EXISTING CONDITIONS PRIOR TO FABRICATION OR PERFORMANCE OF ANY WORK. SHOULD CONDITIONS BE DISCOVERED THAT PREVENT EXECUTION OF THE WORK AS INDICATED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY EACH GOVERNING ENTITY IN WRITING AND AWAIT DIRECTION BEFORE PROCEEDING WITH THE WORK.

Director, Department of Transportation

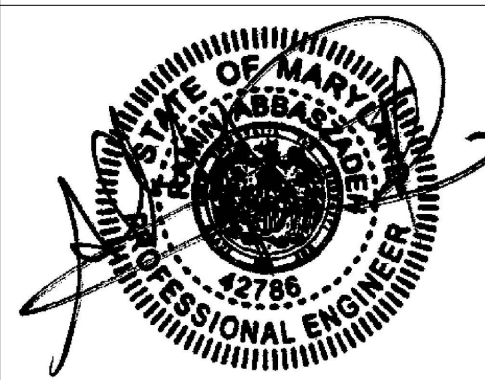
Director, Department of Public Works

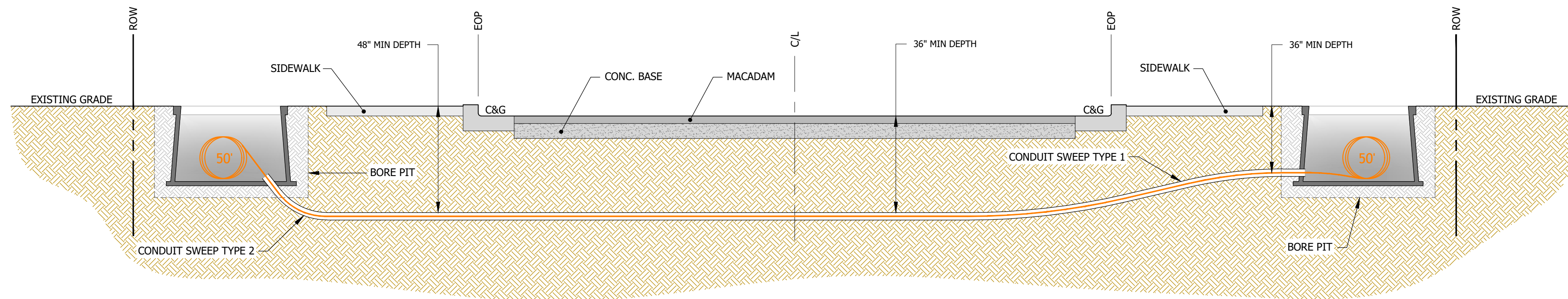
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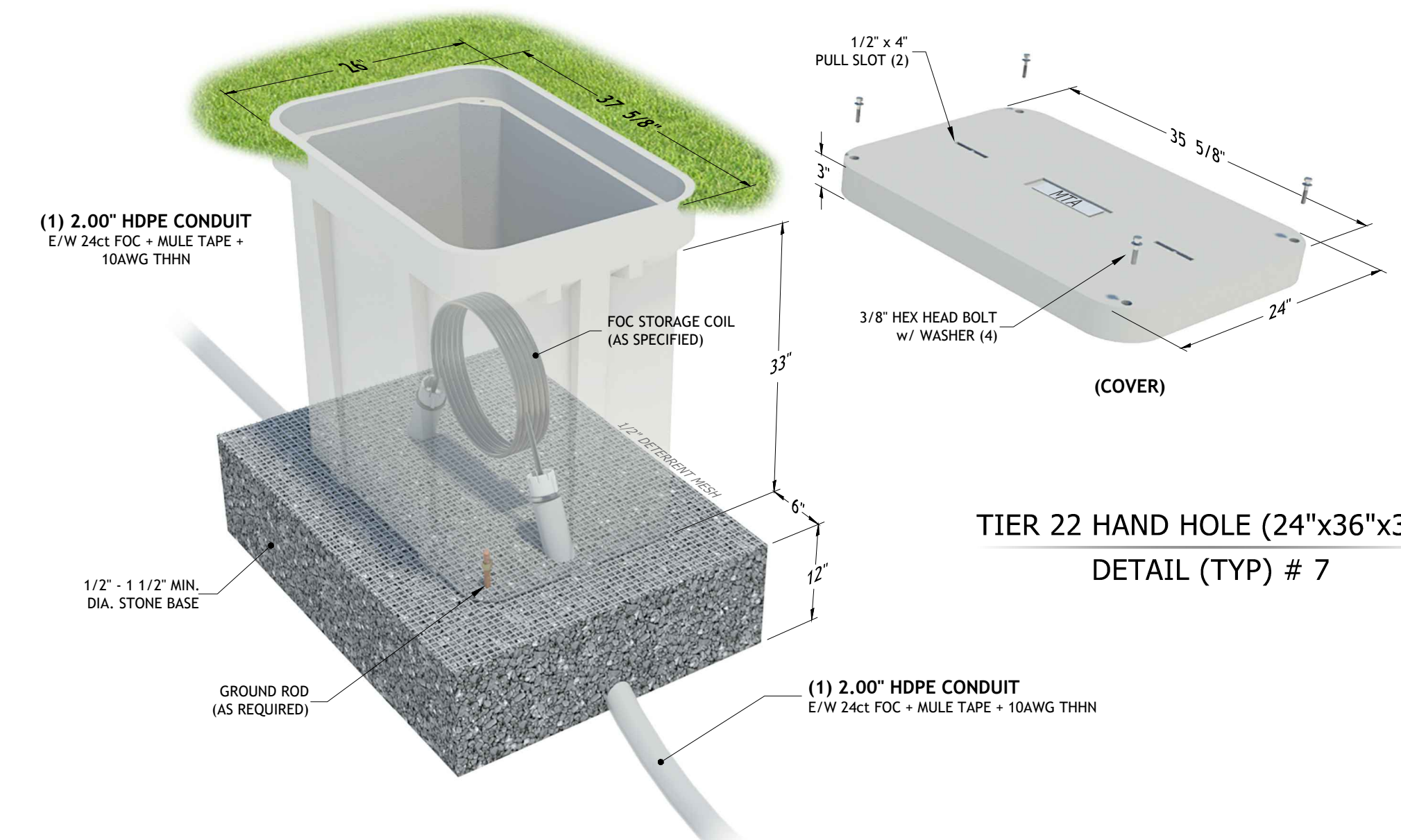
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SCALE: NTS DATE: 10/16/2020
DRAWING: MTA-6000-MD SHEET: 2 OF 9

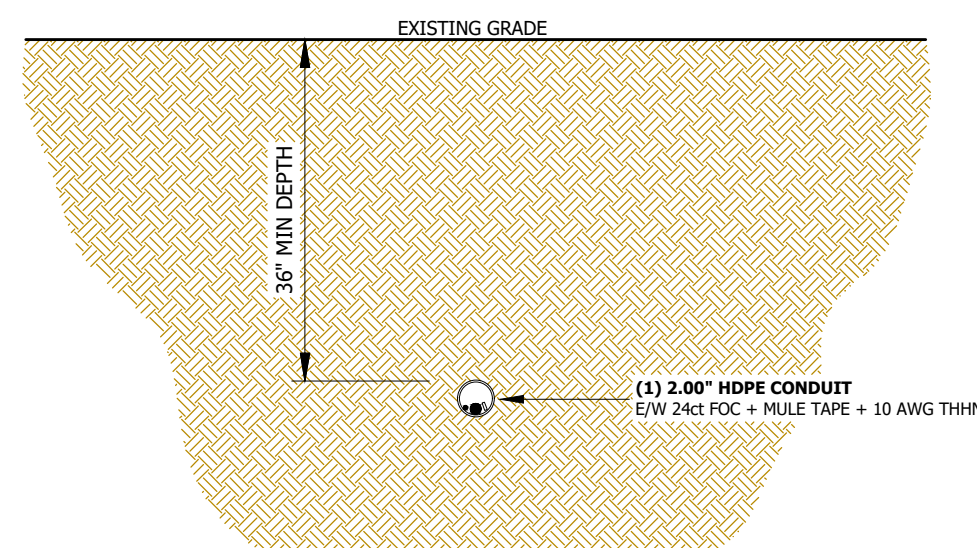




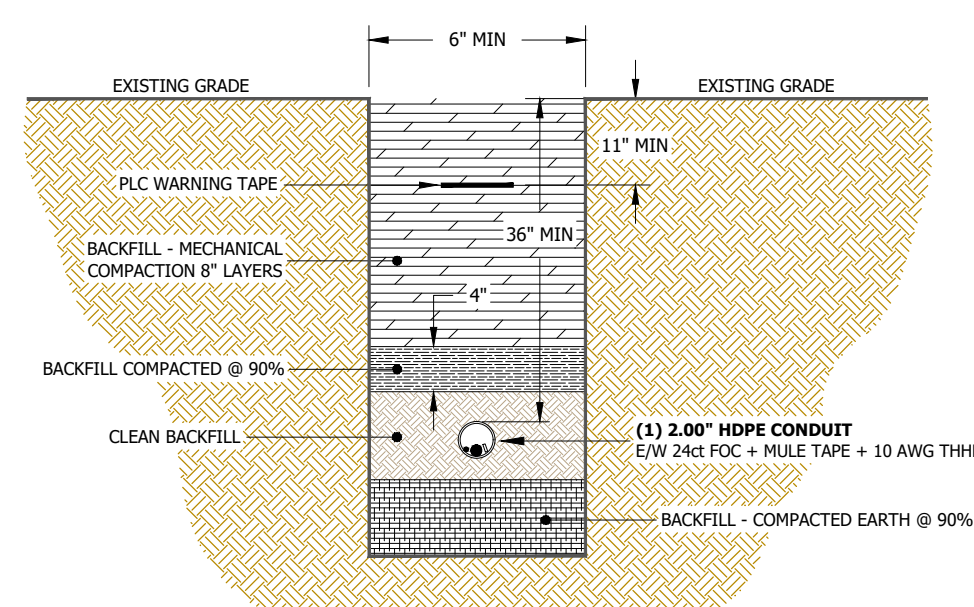
DIRECTIONAL BORE (ROAD CROSSING)
SECTION (TYP) # 1



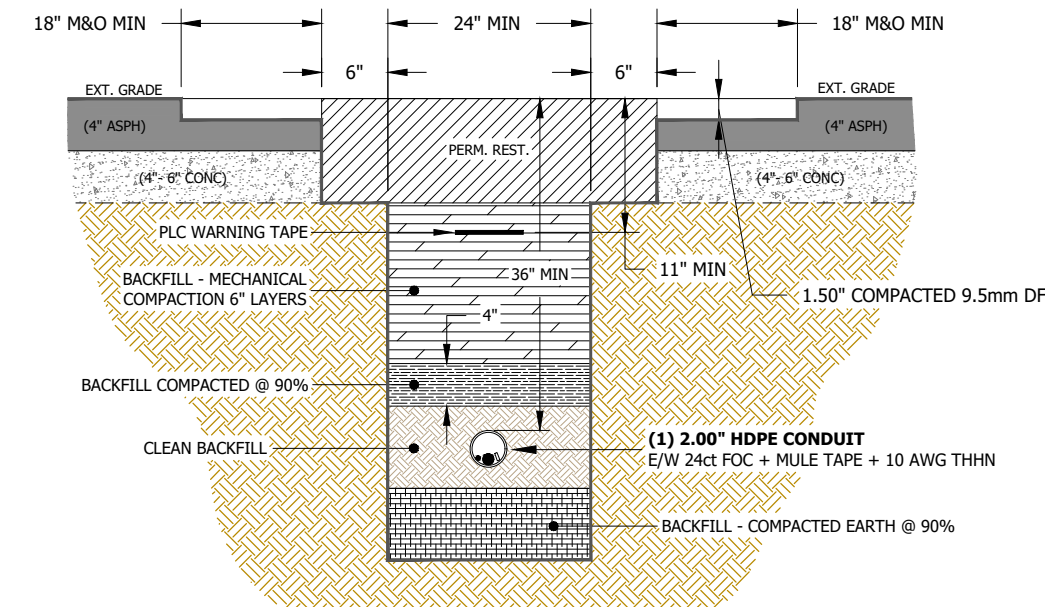
TIER 22 HAND HOLE (24\"/>



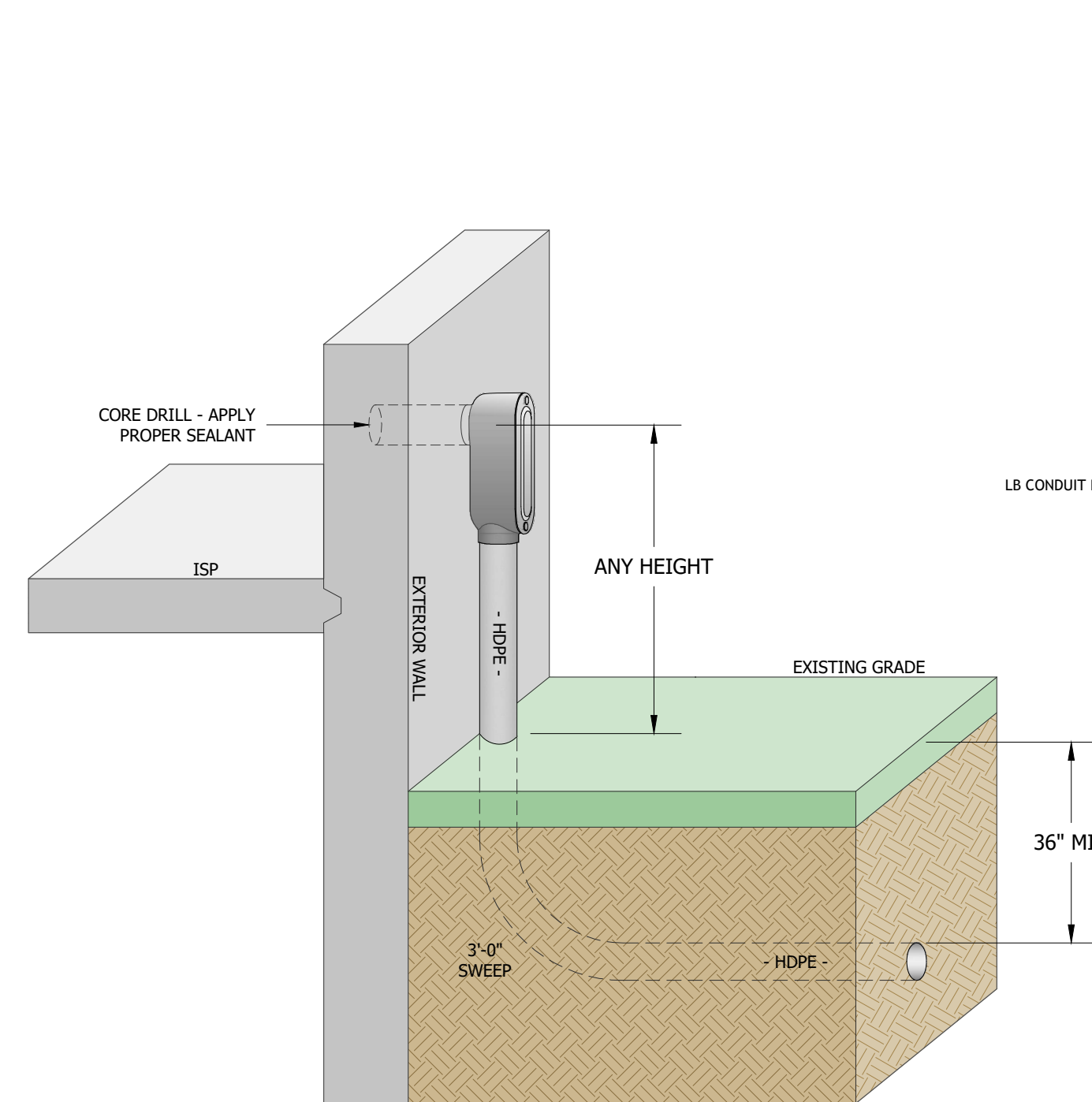
DIRECTIONAL BORE
SECTION (TYP) # 2



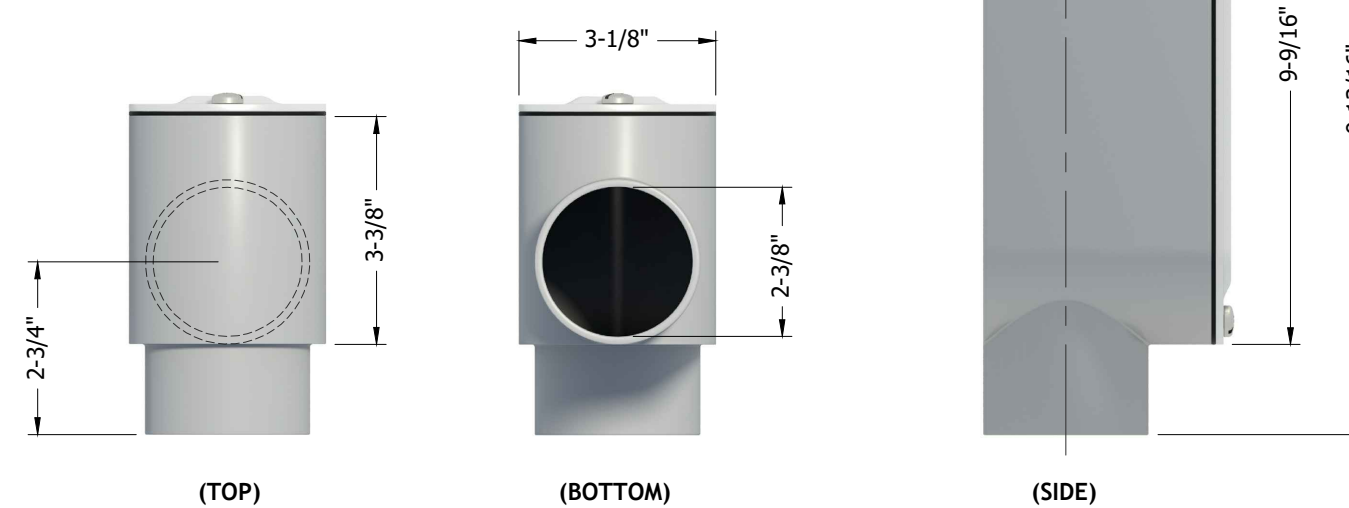
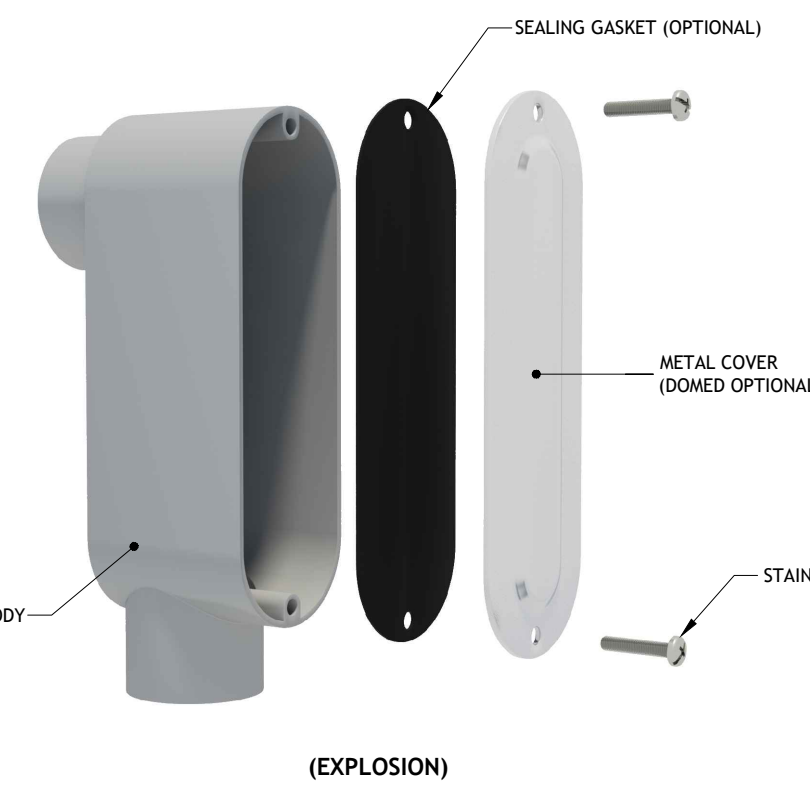
TRENCH IN SOIL
SECTION (TYP) # 3



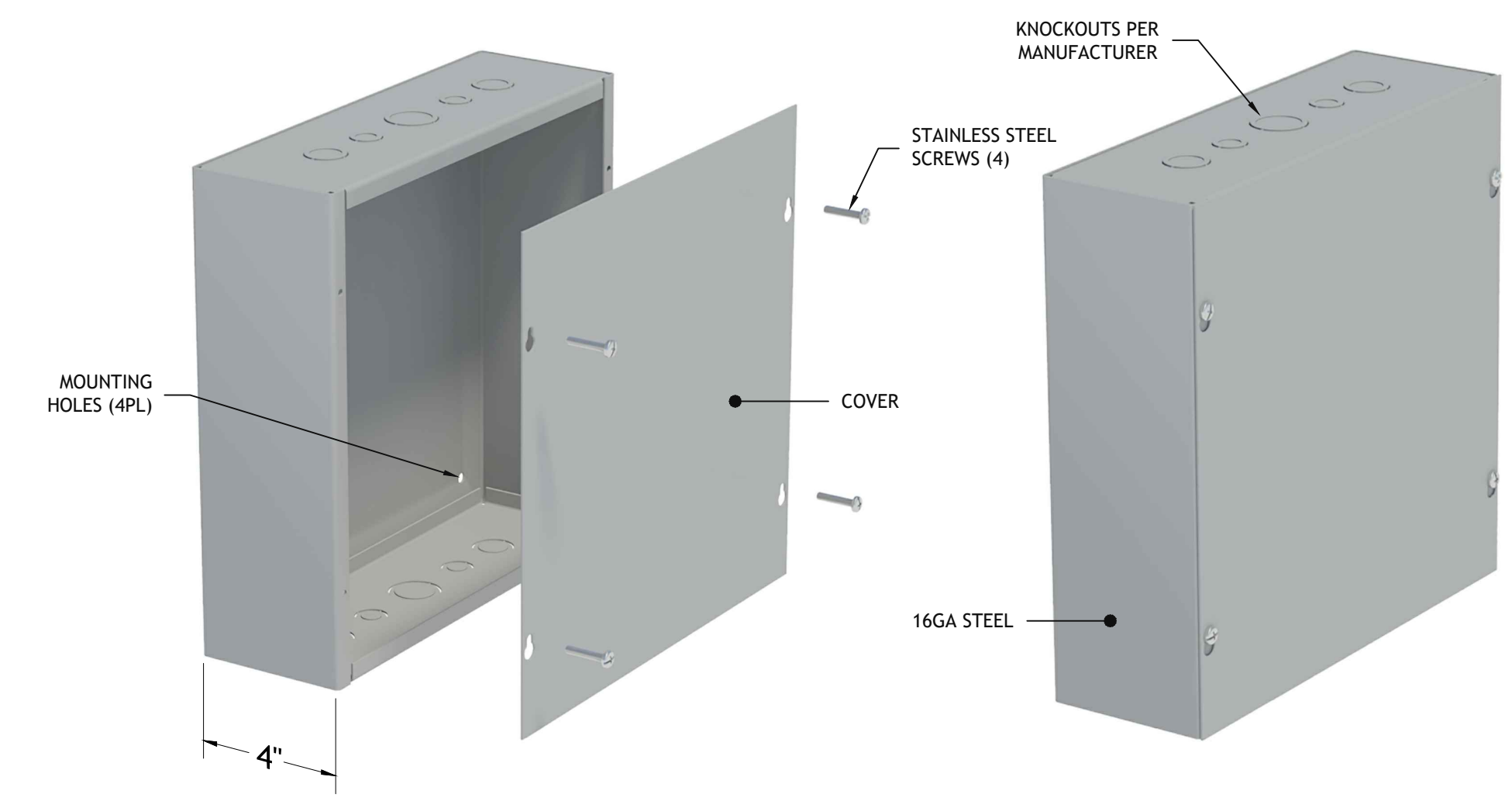
TRENCH IN PAVEMENT
SECTION (TYP) # 4



PROPOSED ABOVE GRADE POE - CONDUIT LB
DETAIL (TYP) # 5

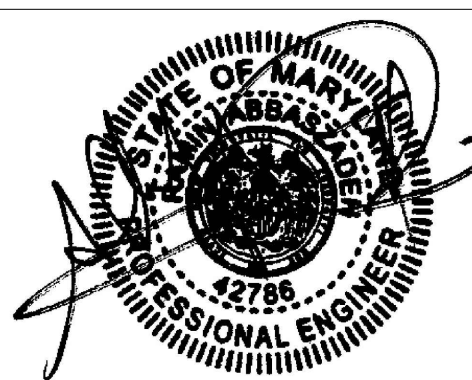


STANDARD 2.00\"/>



JUNCTION BOX (12\"/>

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	GRADE ESTABLISHMENT		



Director, Department of Transportation
Director, Department of Public Works

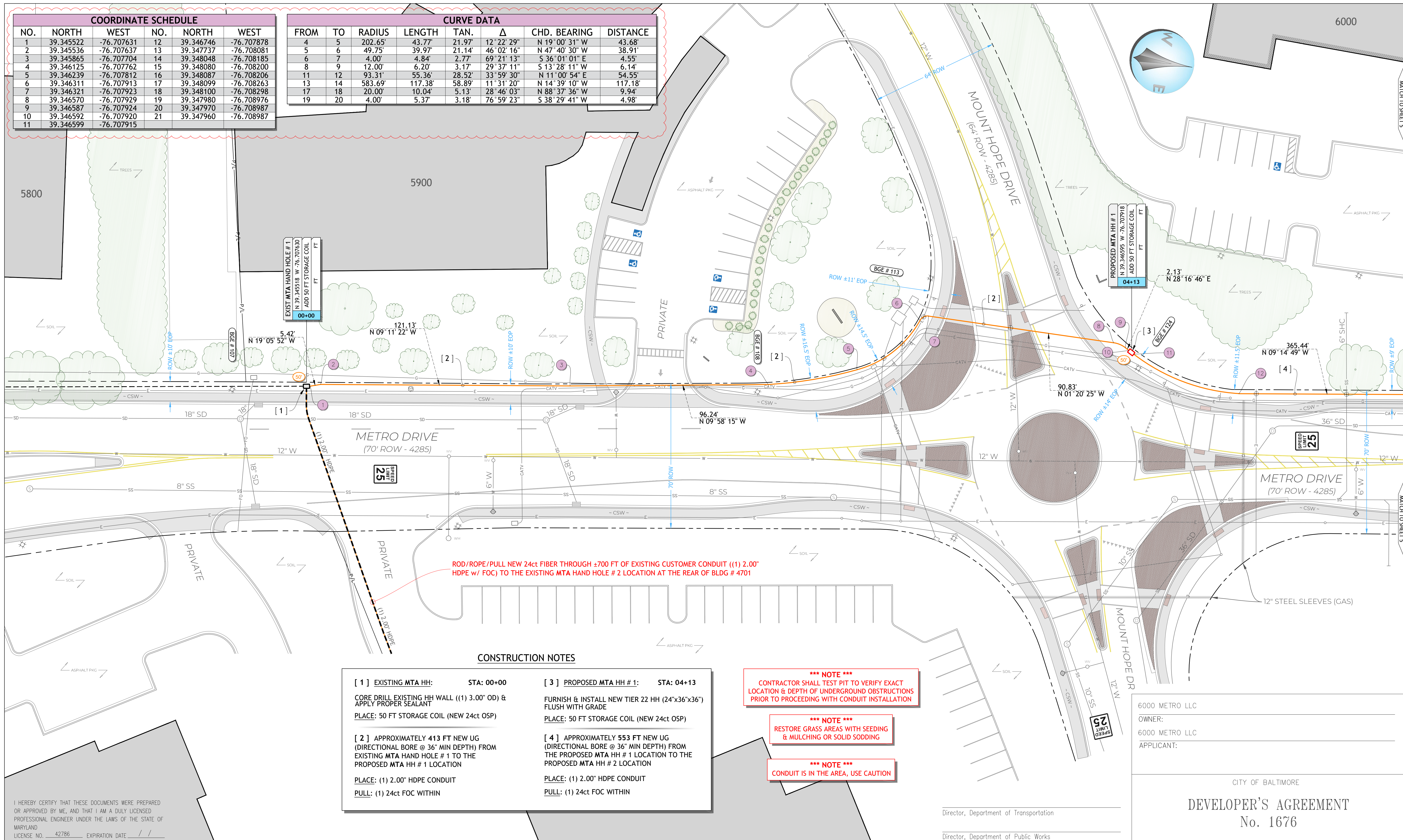
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6000 METRO LLC
6000 METRO DRIVE
BALTIMORE, MD 21215

SCALE: NTS DATE: 10/16/2020
DRAWING: MTA-6000-MD SHEET: 3 OF 9

COORDINATE SCHEDULE					
NO.	NORTH	WEST	NO.	NORTH	WEST
1	39.345522	-76.707631	12	39.346746	-76.707878
2	39.345536	-76.707637	13	39.347737	-76.708081
3	39.345865	-76.707704	14	39.348048	-76.708185
4	39.346125	-76.707762	15	39.348080	-76.708200
5	39.346239	-76.707812	16	39.348087	-76.708206
6	39.346311	-76.707913	17	39.348099	-76.708263
7	39.346321	-76.707923	18	39.348100	-76.708298
8	39.346570	-76.707929	19	39.347980	-76.708976
9	39.346587	-76.707924	20	39.347970	-76.708987
10	39.346592	-76.707920	21	39.347960	-76.708987
11	39.346599	-76.707915			

CURVE DATA									
FROM	TO	RADIUS	LENGTH	TAN.	Δ	CHD. BEARING	DISTANCE		
4	5	202.65'	43.77'	21.97'	12° 22' 29"	N 19° 00' 31" W	43.68'		
5	6	49.75'	39.97'	21.14'	46° 02' 16"	N 47° 40' 30" W	38.91'		
6	7	4.00'	4.84'	2.77'	69° 21' 13"	S 36° 01' 01" E	4.55'		
8	9	12.00'	6.20'	3.17'	29° 37' 11"	S 13° 28' 11" W	6.14'		
11	12	93.31'	55.36'	28.52'	33° 59' 30"	N 11° 00' 54" E	54.55'		
13	14	583.69'	117.38'	58.89'	11° 31' 20"	N 14° 39' 10" W	117.18'		
17	18	20.00'	10.04'	5.13'	28° 46' 03"	N 88° 37' 36" W	9.94'		
19	20	4.00'	5.37'	3.18'	76° 59' 23"	S 38° 29' 41" W	4.98'		



I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND
 LICENSE NO. 42786 EXPIRATION DATE / /

ENGINEER: RAMIN ABBASZADEH, P.E.
 DATE: 06/07/19 LIC. NO. 42786
 DESIGNED BY: BRAD HANES (PFD)
 DRAWN BY: MATT HANES (PFD)
 CHECKED BY: GRAYSON MORRIS

WARD :	28	SECT.	APP.
SECTION :	020		
BLOCK :	4285		
LOT :	014		
BALTIMORE CITY REVIEW	8/16 RELEASE	HIGHWAY DESIGN	BRIDGES
BY :		DRAINAGE	LIGHTING
DATE :		CONDUIT	SEWAGE AND EROSION CONTROL
		TRAFFIC ENGINEERING	WASTE WATER ENGINEERING
		WATER ENGINEERING	SIGNAL ENGINEERING
		GRADE ESTABLISHMENT	

[1] EXISTING MTA HH: STA: 00+00
 CORE DRILL EXISTING HH WALL ((1) 3.00" OD) & APPLY PROPER SEALANT
 PLACE: 50 FT STORAGE COIL (NEW 24ct OSP)

[2] APPROXIMATELY 413 FT NEW UG (DIRECTIONAL BORE @ 36" MIN DEPTH) FROM EXISTING MTA HAND HOLE # 1 TO THE PROPOSED MTA HH # 1 LOCATION
 PLACE: (1) 2.00" HDPE CONDUIT
 PULL: (1) 24ct FOC WITHIN

[3] PROPOSED MTA HH # 1: STA: 04+13
 FURNISH & INSTALL NEW TIER 22 HH (24"x36"x36") FLUSH WITH GRADE
 PLACE: 50 FT STORAGE COIL (NEW 24ct OSP)

[4] APPROXIMATELY 553 FT NEW UG (DIRECTIONAL BORE @ 36" MIN DEPTH) FROM THE PROPOSED MTA HH # 1 TO THE PROPOSED MTA HH # 2 LOCATION
 PLACE: (1) 2.00" HDPE CONDUIT
 PULL: (1) 24ct FOC WITHIN

***** NOTE *****
 CONTRACTOR SHALL TEST PIT TO VERIFY EXACT LOCATION & DEPTH OF UNDERGROUND OBSTRUCTIONS PRIOR TO PROCEEDING WITH CONDUIT INSTALLATION

***** NOTE *****
 RESTORE GRASS AREAS WITH SEEDING & MULCHING OR SOLID SODDING

***** NOTE *****
 CONDUIT IS IN THE AREA, USE CAUTION

Director, Department of Transportation

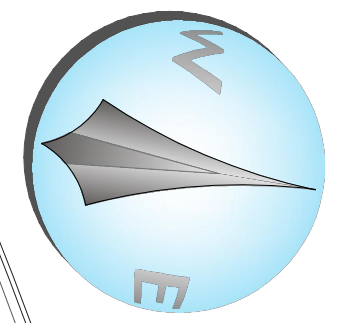
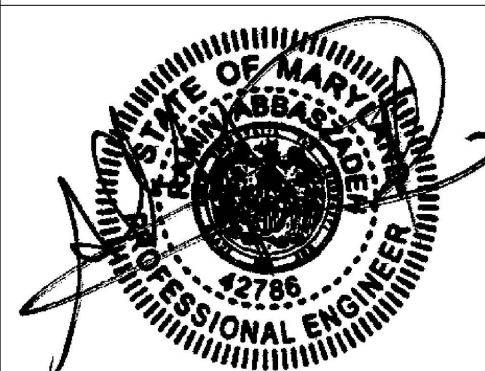
Director, Department of Public Works

6000 METRO LLC
 OWNER:
 6000 METRO LLC
 APPLICANT:

CITY OF BALTIMORE
DEVELOPER'S AGREEMENT
 No. 1676

6000 METRO LLC
 6000 METRO DRIVE
 BALTIMORE, MD 21215

SCALE: 1:20
 DRAWING: MTA-6000-MD
 DATE: 10/16/2020
 SHEET: 4 OF 9



MATCH TO SHEET 5

MATCH TO SHEET 5

COORDINATE SCHEDULE					
NO.	NORTH	WEST	NO.	NORTH	WEST
1	39.345522	-76.707631	12	39.346746	-76.707878
2	39.345536	-76.707637	13	39.347737	-76.708081
3	39.345865	-76.707704	14	39.348048	-76.708185
4	39.346125	-76.707762	15	39.348080	-76.708200
5	39.346239	-76.707812	16	39.348087	-76.708206
6	39.346311	-76.707913	17	39.348099	-76.708263
7	39.346321	-76.707923	18	39.348100	-76.708298
8	39.346570	-76.707929	19	39.347980	-76.708976
9	39.346587	-76.707924	20	39.347970	-76.708987
10	39.346592	-76.707920	21	39.347960	-76.708987
11	39.346599	-76.707915			

CURVE DATA									
FROM	TO	RADIUS	LENGTH	TAN.	Δ	CHD. BEARING	DISTANCE		
4	5	202.65'	43.77'	21.97'	12°22'29"	N 19°00'31" W	43.68'		
5	6	49.75'	39.97'	21.14'	46°02'16"	N 47°40'30" E	38.91'		
6	7	4.00'	4.84'	2.77'	69°21'13"	S 36°01'01" E	4.55'		
8	9	12.00'	6.20'	3.17'	29°37'11"	S 13°28'11" W	6.14'		
11	12	93.31'	55.36'	28.52'	33°59'30"	N 11°00'54" E	54.55'		
13	14	583.69'	117.38'	58.89'	11°31'20"	N 14°39'10" W	117.18'		
17	18	20.00'	10.04'	5.13'	28°46'03"	N 88°37'36" W	9.94'		
19	20	4.00'	5.37'	3.18'	76°59'23"	S 38°29'41" W	4.98'		

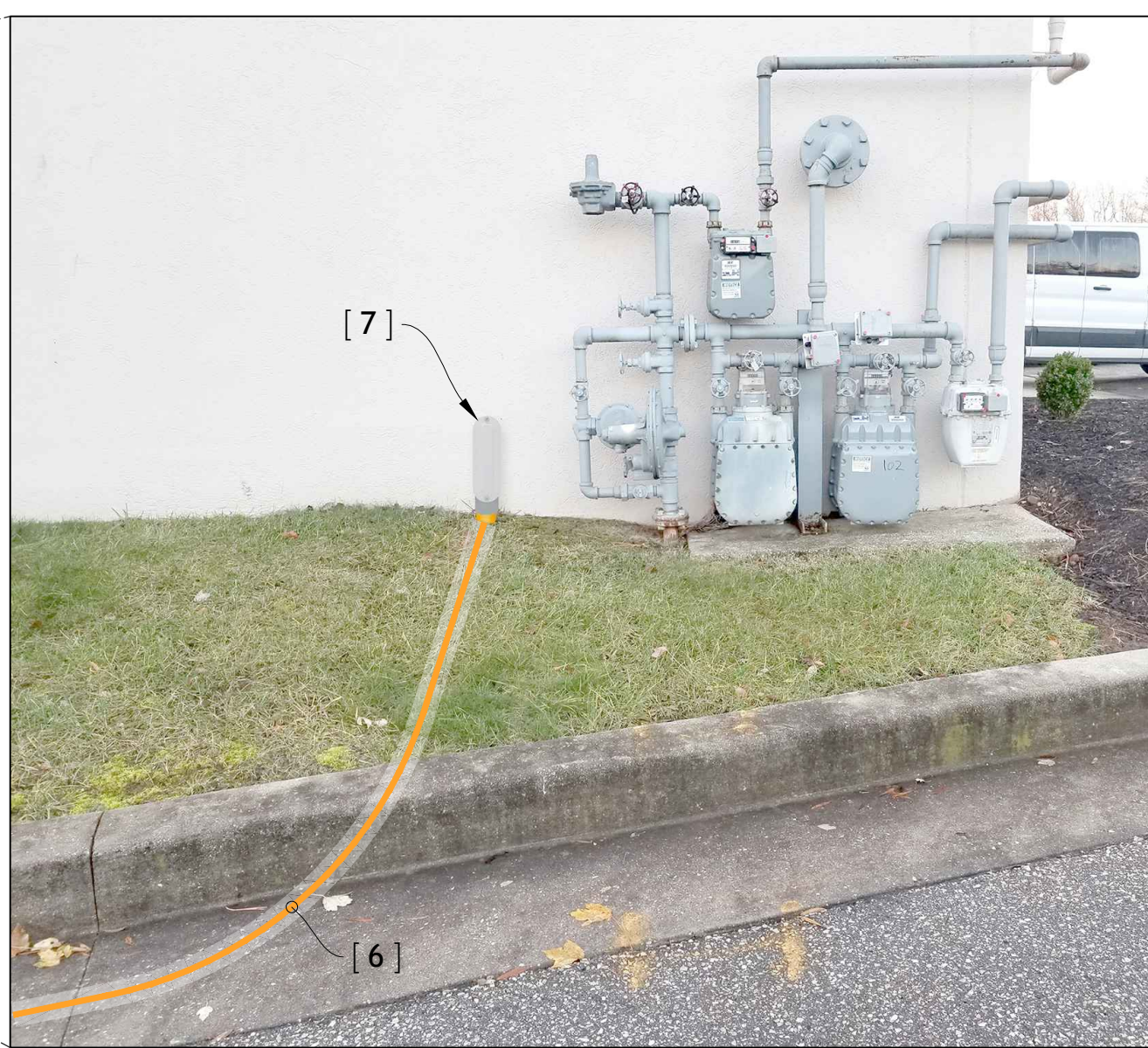
CONSTRUCTION NOTES

[4] APPROXIMATELY 553 FT NEW UG (DIRECTIONAL BORE @ 36" MIN DEPTH) FROM THE PROPOSED MTA HH # 1 LOCATION TO THE PROPOSED MTA HH # 2 LOCATION
 PLACE: (1) 2.00" HDPE CONDUIT
 PULL: (1) 24ct FOC WITHIN

[5] PROPOSED MTA HH # 2: STA: 09+66
 FURNISH & INSTALL NEW TIER 22 HH (24"x36"x36") FLUSH WITH GRADE
 PLACE: 50 FT STORAGE COIL (NEW 24ct OSP)

[6] APPROXIMATELY 234 FT NEW UG (DIRECTIONAL BORE @ 36" MIN DEPTH) FROM THE PROPOSED MTA HH # 2 LOCATION TO THE PROPOSED POINT OF ENTRY LOCATION
 PLACE: (1) 2.00" HDPE CONDUIT
 PULL: (1) 24ct FOC WITHIN

[7] PROPOSED POE (AG): STA: 12+00
 CORE DRILL EXTERIOR WALL ((1) 3.00" OD) INTO THE STORAGE ROOM - FURNISH & INSTALL NEW STANDARD 2.00" CONDUIT LB & ISP JUNCTION BOX (12"x12"x4") - APPLY PROPER SEALANT
 *** PROPOSED WALL CORE SHALL BE AS CLOSE TO EXISTING GRADE LEVEL AS POSSIBLE ***

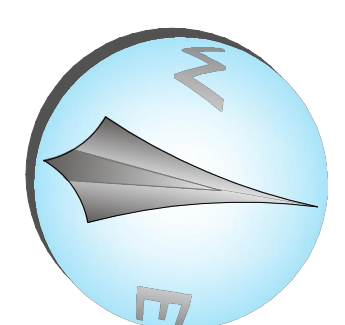
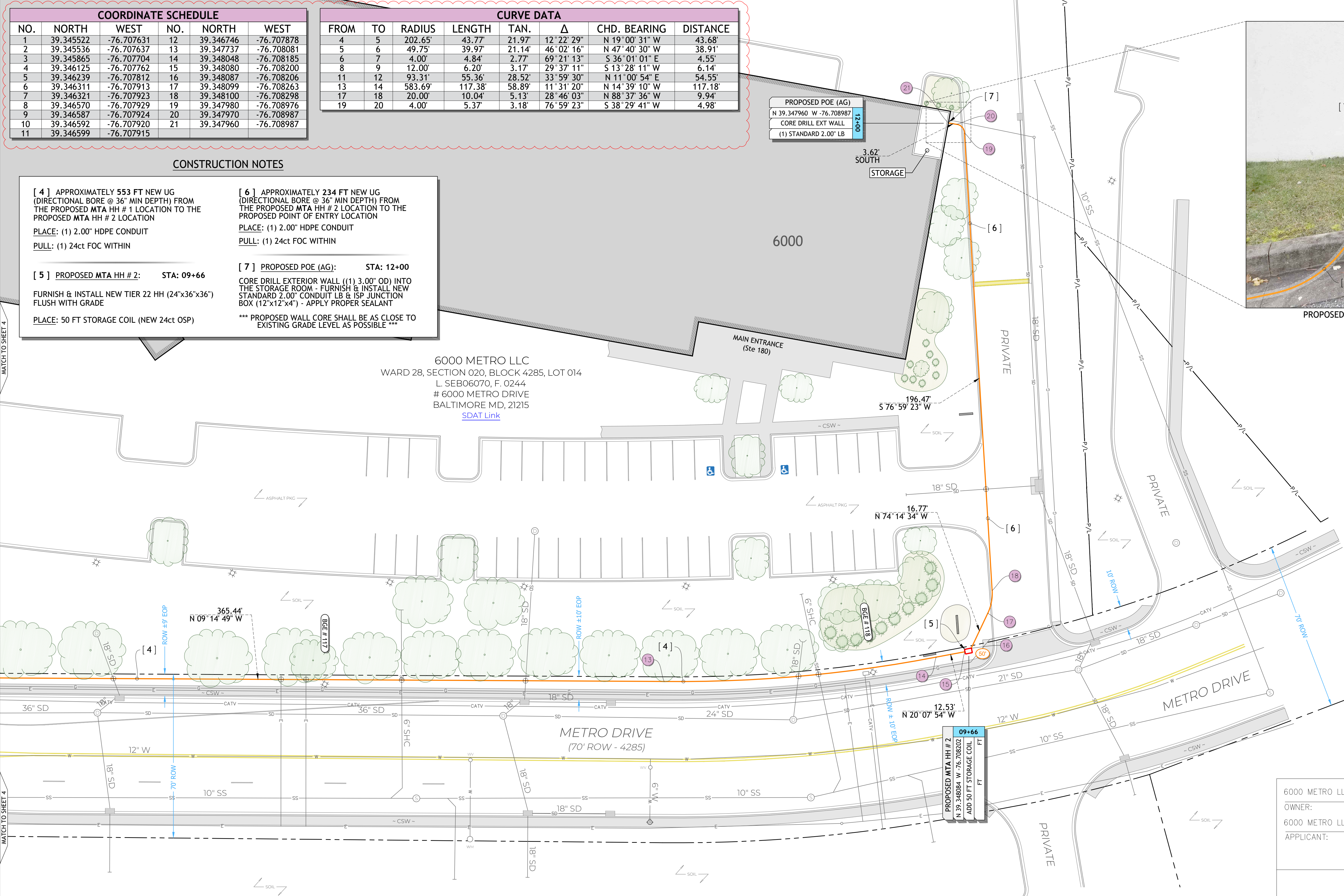


PROPOSED UG & POINT OF ENTRY (STORAGE ROOM)

*** NOTE ***
 CONTRACTOR SHALL TEST PIT TO VERIFY EXACT LOCATION & DEPTH OF UNDERGROUND OBSTRUCTIONS PRIOR TO PROCEEDING WITH CONDUIT INSTALLATION

*** NOTE ***
 RESTORE GRASS AREAS WITH SEEDING & MULCHING OR SOLID SODDING

*** NOTE ***
 CONDUIT IS IN THE AREA, USE CAUTION



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 LICENSE NO. 42786 EXPIRATION DATE / /



ENGINEER: RAMIN ABBASZADEH, P.E.	WARD: 28
DATE: 06/07/19 LIC. NO. 42786	SECTION: 020 SECT. APP.
DESIGNED BY: BRAD HANES (PFD)	BLOCK: 4285
DRAWN BY: MATT HANES (PFD)	LOT: 014
CHECKED BY: GRAYSON MORRIS	BALTIMORE CITY REVIEW
	8/16 RELEASE
	HIGHWAY DESIGN
	BRIDGES
	DRAINAGE
	LIGHTING
	CONDUIT
	SEDIMENT AND EROSION CONTROL
	TRAFFIC ENGINEERING
	WASTE WATER ENGINEERING
	WATER ENGINEERING
	SIGNAL ENGINEERING
	GRADE ESTABLISHMENT

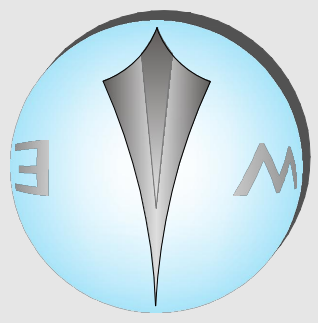


6000 METRO LLC
 OWNER:
 6000 METRO LLC
 APPLICANT:

CITY OF BALTIMORE
DEVELOPER'S AGREEMENT
 No. 1676

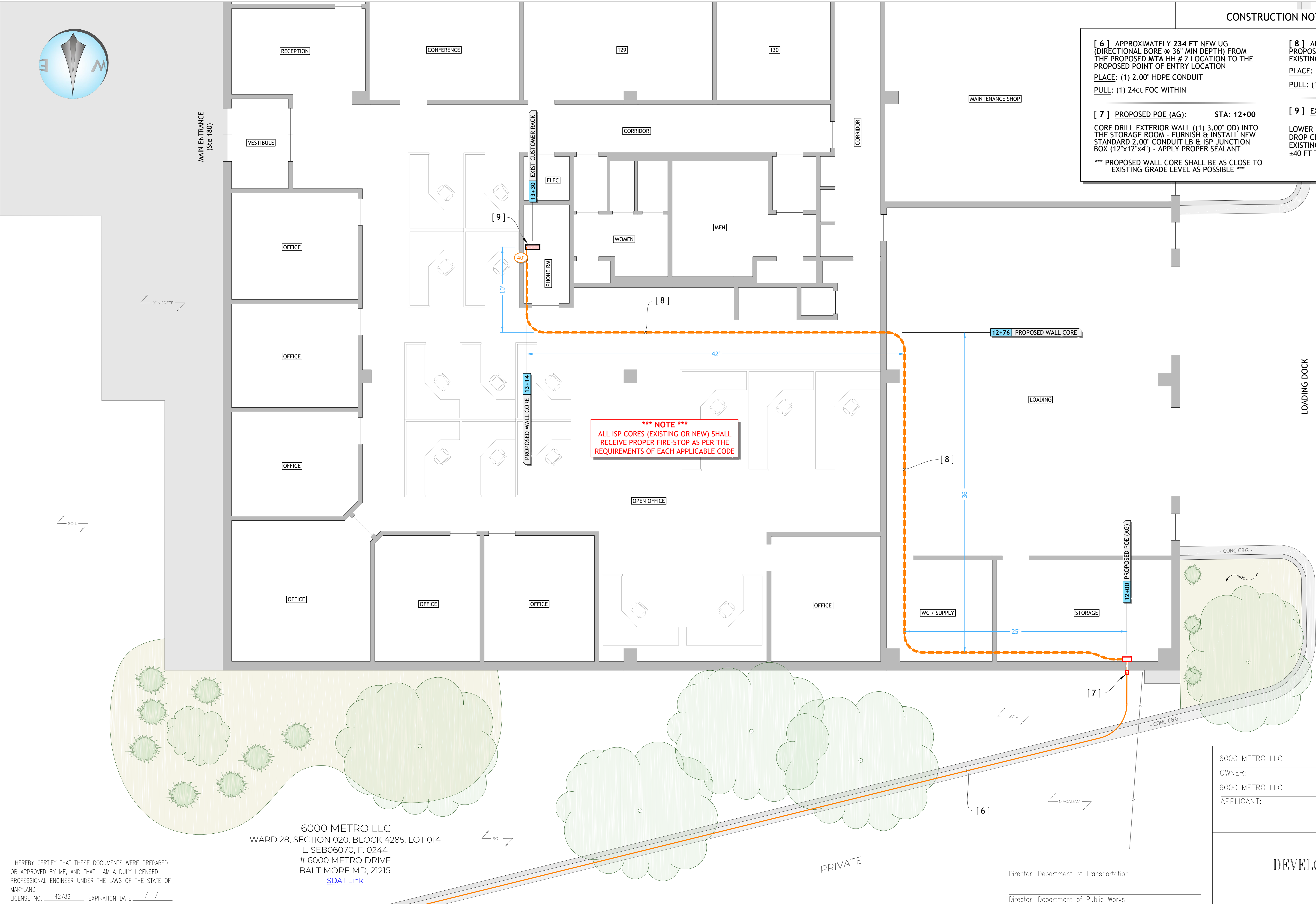
6000 METRO LLC
 6000 METRO DRIVE
 BALTIMORE, MD 21215

SCALE: 1:20 DATE: 10/16/2020
 DRAWING: MTA-6000-MD SHEET: 5 OF 9



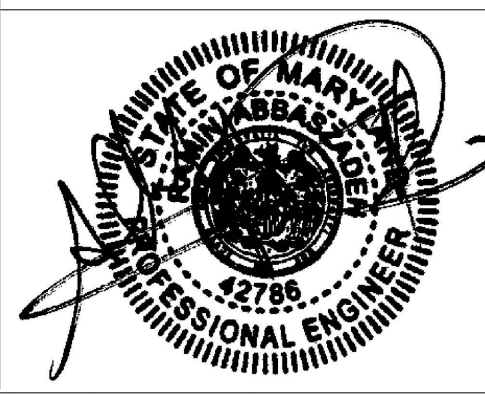
CONSTRUCTION NOTES

- [6] APPROXIMATELY 234 FT NEW UG (DIRECTIONAL BORE @ 36" MIN DEPTH) FROM THE PROPOSED MTA HH # 2 LOCATION TO THE PROPOSED POINT OF ENTRY LOCATION
PLACE: (1) 2.00" HDPE CONDUIT
PULL: (1) 24ct FOC WITHIN
- [7] PROPOSED POE (AG): STA: 12+00
CORE DRILL EXTERIOR WALL ((1) 3.00" OD) INTO THE STORAGE ROOM - FURNISH & INSTALL NEW STANDARD 2.00" CONDUIT LB & ISP JUNCTION BOX (12"x12"x4") - APPLY PROPER SEALANT
*** PROPOSED WALL CORE SHALL BE AS CLOSE TO EXISTING GRADE LEVEL AS POSSIBLE ***
- [8] APPROXIMATELY 130 FT FROM THE PROPOSED POE (STORAGE ROOM) TO THE EXISTING CUSTOMER RACK (PHONE ROOM)
PLACE: (1) 1.25" PLENUM INNER-DUCT
PULL: (1) 24ct FOC WITHIN
- [9] EXIST CUSTOMER RACK: STA: 13+30
LOWER NEW PLENUM INNER-DUCT THROUGH DROP CEILING (FOLLOW OTHERS) TO THE EXISTING CUSTOMER RELAY RACK (19") - LEAVE ±40 FT TAIL FOR SPLICING



6000 METRO LLC
WARD 28, SECTION 020, BLOCK 4285, LOT 014
L. SEB06070, F. 0244
6000 METRO DRIVE
BALTIMORE MD, 21215
[SDAT Link](#)

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LICENSE NO. 42786 EXPIRATION DATE / /



ENGINEER: RAMIN ABBASZADEH, P.E.	WARD: 28	SECT.:	APP.:
DATE: 06/07/19 LIC. NO. 42786	SECTION: 020	BLOCK: 4285	
DESIGNED BY: BRAD HANES (PFD)	LOT: 014		
DRAWN BY: MATT HANES (PFD)	BALTIMORE CITY REVIEW	R/W RELEASE	HIGHWAY DESIGN
CHECKED BY: GRAYSON MORRIS	DATE:	BRIDGES	DRAINAGE
		LIGHTING	CONDUIT
		SEGMENT AND EROSION CONTROL	TRAFFIC ENGINEERING
		WASTE WATER ENGINEERING	WATER ENGINEERING
		SIGNAL ENGINEERING	GRADE ESTABLISHMENT



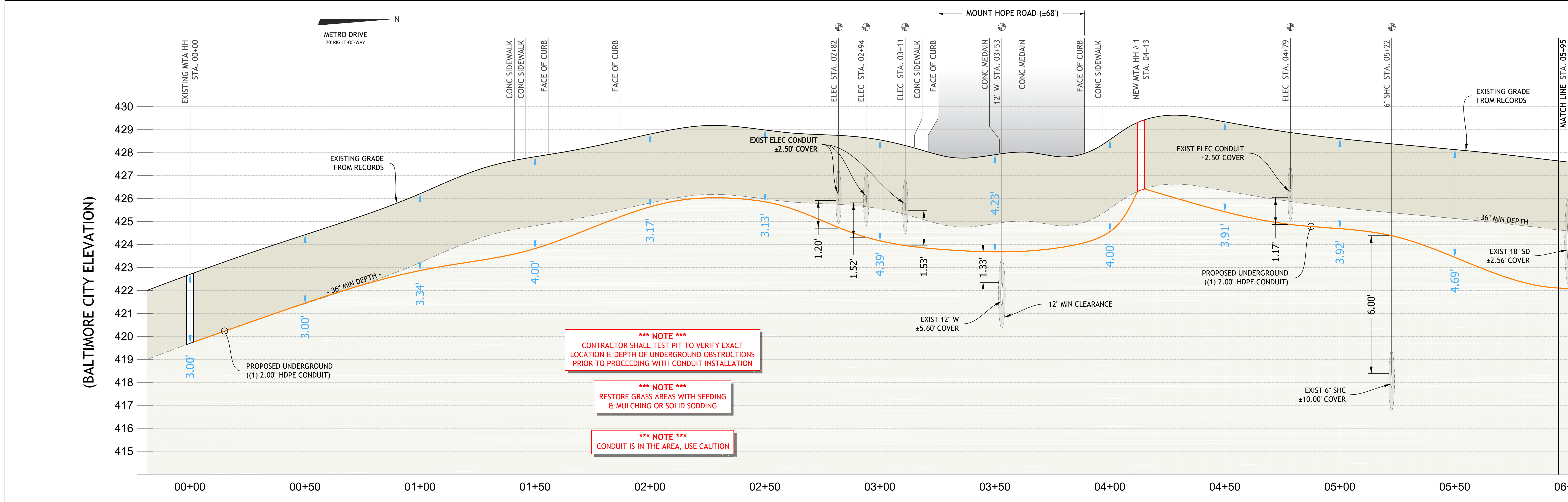
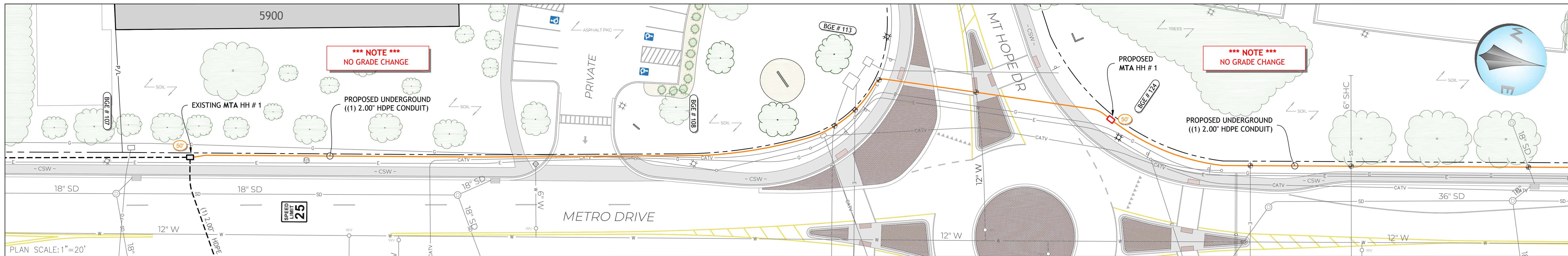
Director, Department of Transportation
Director, Department of Public Works

6000 METRO LLC
OWNER:
6000 METRO LLC
APPLICANT:

CITY OF BALTIMORE
DEVELOPER'S AGREEMENT
No. 1676

6000 METRO LLC
6000 METRO DRIVE
BALTIMORE, MD 21215

SCALE: 1:5
DRAWING: MTA-6000-MD
DATE: 10/16/2020
SHEET: 6 OF 9



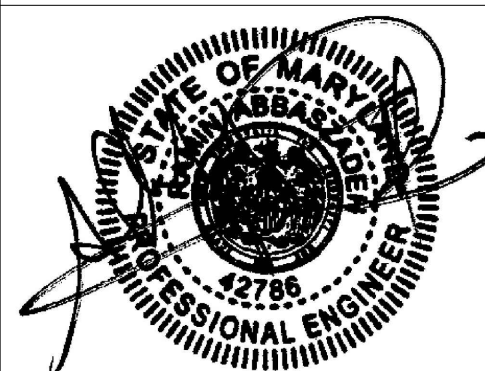
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***** NOTE *****
RESTORE GRASS AREAS WITH SEEDING & MULCHING OR SOLID SODDING

***** NOTE *****
CONDUIT IS IN THE AREA, USE CAUTION

HORIZ. SCALE: 1"=20'
VERT. SCALE: 1"=2'

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ENGINEER: RAMIN ABBASZADEH, P.E.	WARD: 28	SECTION: 020	SECT. APP.
DATE: 06/07/19 LIC. NO. 42786	BLOCK: 4285	LOT: 014	
DESIGNED BY: BRAD HANES (PFD)	BALTIMORE CITY REVIEW	R/W RELEASE	HIGHWAY DESIGN
DRAWN BY: MATT HANES (PFD)	BRIDGES	DRAINAGE	LIGHTING
CHECKED BY: GRAYSON MORRIS	CONDUIT	SEWAGE AND EROSION CONTROL	TRAFFIC ENGINEERING
	WASTE WATER ENGINEERING	WATER ENGINEERING	SIGNAL ENGINEERING
	GRADE ESTABLISHMENT		



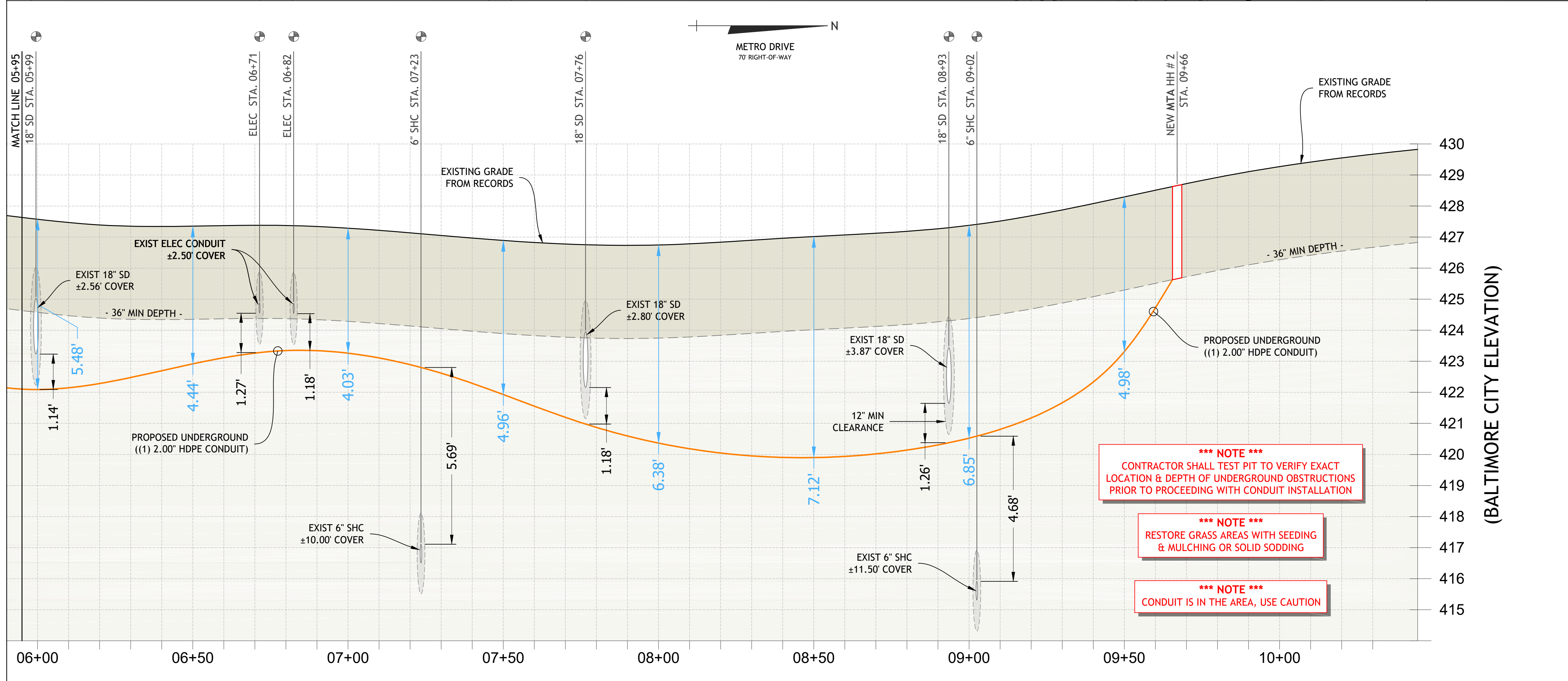
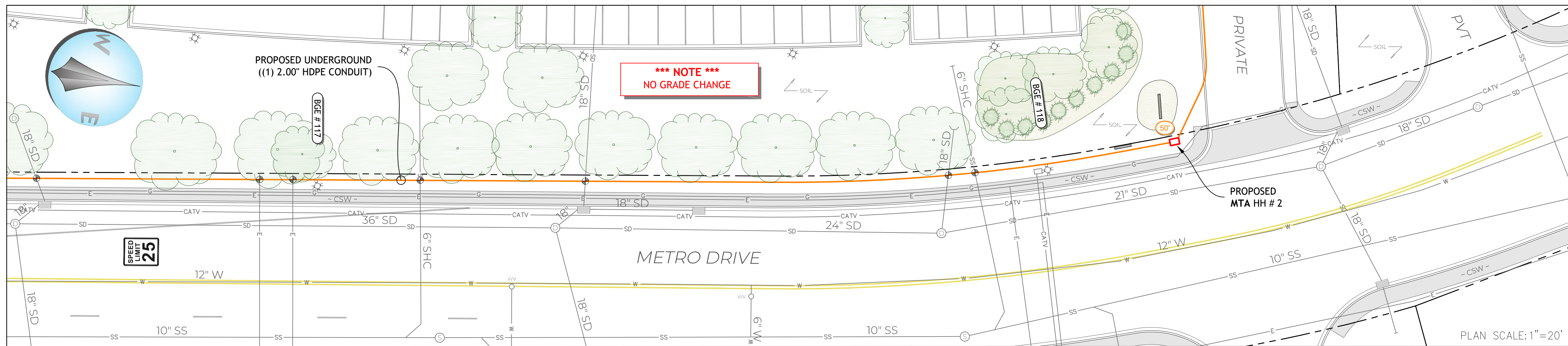
Director, Department of Transportation
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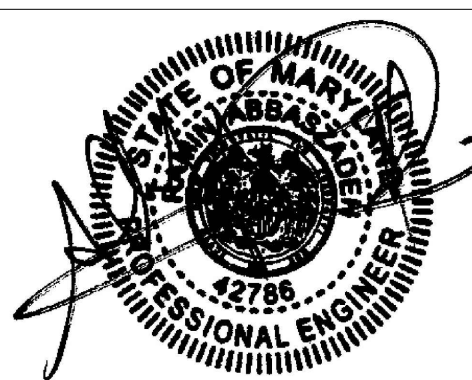
6000 METRO LLC
6000 METRO DRIVE
BALTIMORE, MD 21215

SCALE: NTS DATE: 10/16/2020
DRAWING: MTA-6000-MD SHEET: 7 OF 9



HORIZ. SCALE: 1"=20'
VERT. SCALE: 1"=2'

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LICENSE NO. 42786 EXPIRATION DATE / /



ENGINEER: RAMIN ABBASZADEH, P.E.	WARD: 28	SECT.:	APP.:
DATE: 06/07/19 LIC. NO. 42786	SECTION: 020	BLOCK: 4285	LOT: 014
DESIGNED BY: BRAD HANES (PFD)	BALTIMORE CITY REVIEW	R/W RELEASE	HIGHWAY DESIGN
DRAWN BY: MATT HANES (PFD)	BRIDGES	DRAINAGE	LIGHTING
CHECKED BY: GRAYSON MORRIS	CONDUIT	SEWAGE AND EROSION CONTROL	TRAFFIC ENGINEERING
	WASTE WATER ENGINEERING	WATER ENGINEERING	SIGNAL ENGINEERING
	GRADE ESTABLISHMENT		



Director, Department of Transportation
Director, Department of Public Works

6000 METRO LLC
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6000 METRO LLC
APPLICANT:

CITY OF BALTIMORE
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6000 METRO LLC
6000 METRO DRIVE
BALTIMORE, MD 21215

SCALE: NTS DATE: 10/16/2020
DRAWING: MTA-6000-MD SHEET: 8 OF 9

LEGEND

WORK AREA

SIGN (SPRING LOADED)

36" CHANNELING DEVICE

TYPE 3 BARRICADE

TRAFFIC DIRECTION

ROAD WORK AHEAD

DESIGNATION: W20 - 1(1)
SECTION: (5G.05)
SIZE: 36" x 36"

END ROAD WORK

DESIGNATION: G20 - 2(1)
SECTION: (6F.57)
SIZE: 36" x 18"

SIDEWALK CLOSED AHEAD CROSS HERE

DESIGNATION: R9 - 11R
SECTION: (6F.14)
SIZE: 24" x 18"

SIDEWALK CLOSED AHEAD CROSS HERE

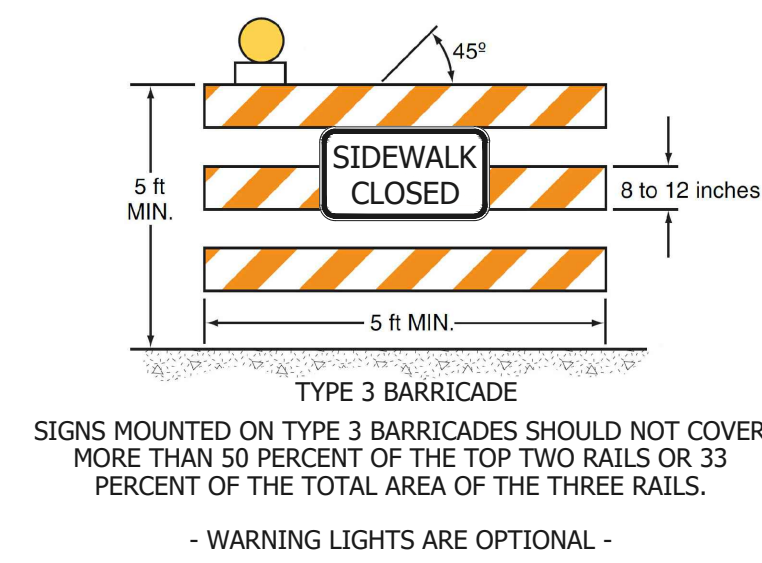
DESIGNATION: R9 - 11L
SECTION: (6F.14)
SIZE: 24" x 18"

SIDEWALK CLOSED

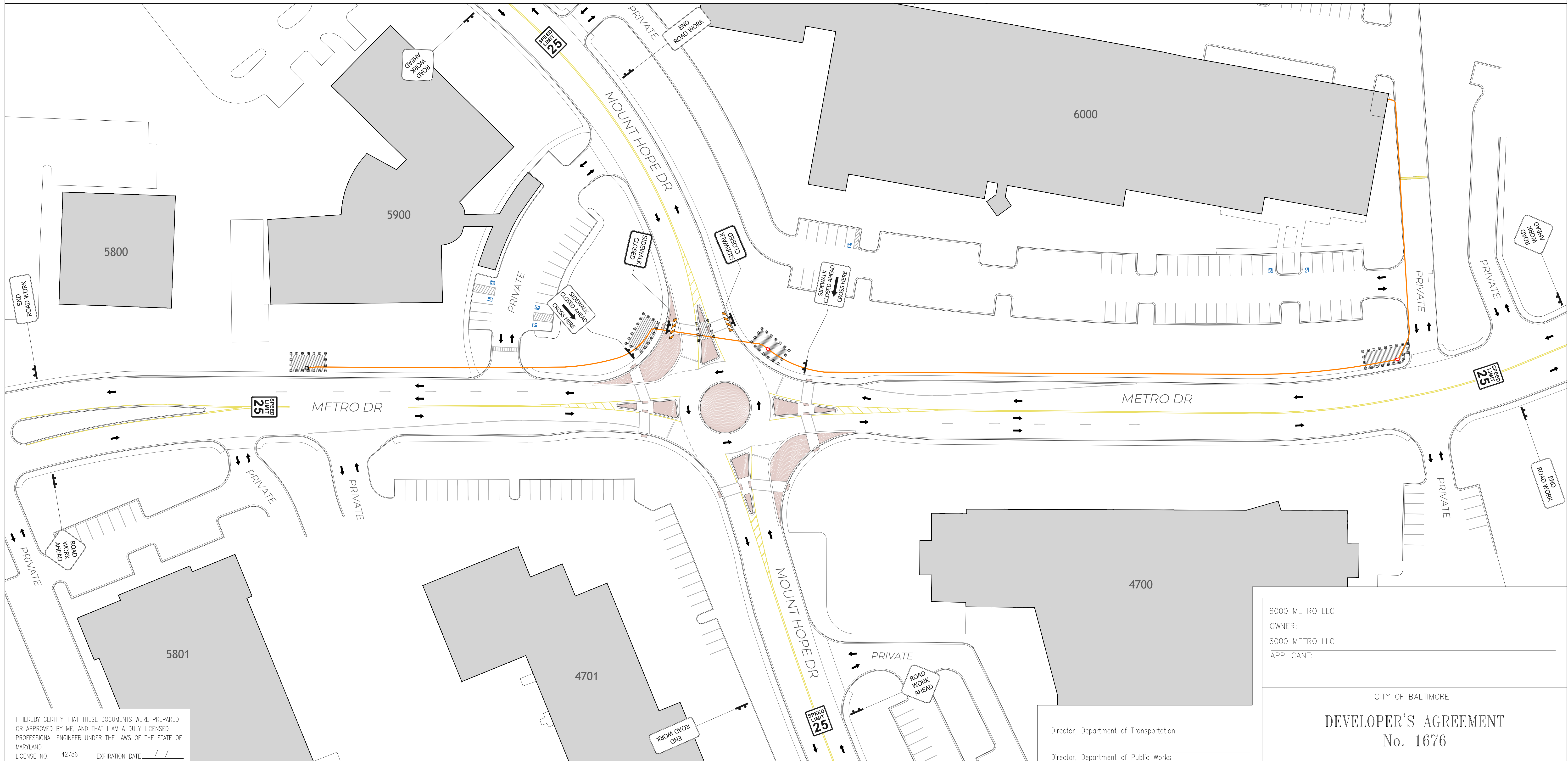
DESIGNATION: R9 - 9
SECTION: (6F.14)
SIZE: 24" x 12"

SPEED LIMIT 25

DESIGNATION: R2 - 1
SECTION: (7B.15)
SIZE: 30" x 36"



*** CONTRACTOR SHALL INSTALL AND REMOVE TEMPORARY TRAFFIC CONTROL DEVICES PER BALTIMORE CITY DEPARTMENT OF TRANSPORTATION'S BOOK OF STANDARDS ***
(104.01-1, 104.01-2, 104.01-3, 104.01-4, 104.01-5)



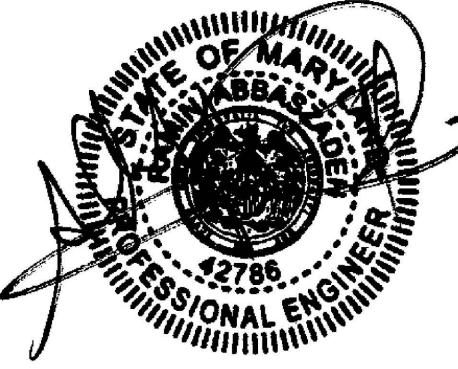
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BY :			
DATE :			

SEMENT AND EROSION CONTROL	TRAFFIC ENGINEERING	WASTE WATER ENGINEERING	WATER ENGINEERING	SIGNAL ENGINEERING	GRADE ESTABLISHMENT



SCALE: NTS DATE: 10/16/2020
DRAWING: MTA-6000-MD SHEET: 9 OF 9