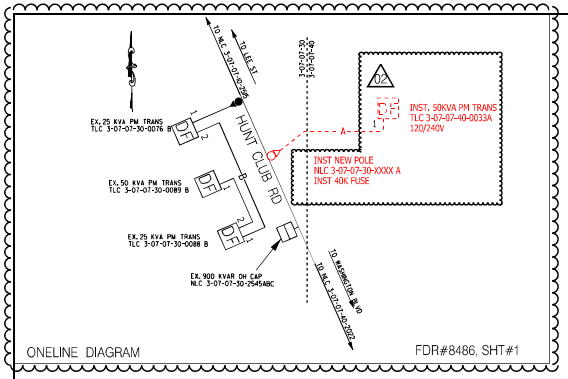
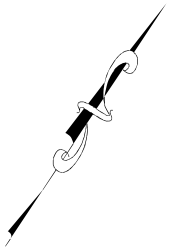




Follow Procedures

HOWARD COUNTY GENERAL UG NOTES:

1. CONSTRUCTION CONTRACTOR SHALL HAVE A COPY OF AGREEMENT BETWEEN BGE AND THE HOWARD SOIL CONSERVATION DISTRICT ON SITE AT ALL TIMES.
2. NOTIFICATION SHALL BE GIVEN TO HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS AT LEAST 48 HRS. PRIOR TO THE COMMENCEMENT OF WORK. TELE. (410-313-4207) or nup@howardcountymd.gov
3. MAINTAIN A 5-FOOT HORIZONTAL CLEARANCE AND A 1-FOOT VERTICAL CLEARANCE FROM ALL EXISTING AND PROPOSED WATER LINES, SEWER LINES, FIRE HYDRANTS, STORM DRAINS AND RELATED APPURTENANCES WHEN INSTALLING CABLE, TRANSFORMER PEDESTALS, GAS LINES, UTILITY POLES AND GUIDE WIRES.
4. ANY PEDESTAL PLACED IN CONFLICT WITH SIDEWALK OR COUNTY OWNED/MAINTAINED UTILITY WILL BE MOVED AT THE COMPANY'S EXPENSE.
5. THE NOTE "DO NOT DISTURB BUTTRESS" SHOULD BE LOCATED NEXT TO EACH FIRE HYDRANT ON THE DESIGN PRINT.

CUSTOMER NOTES:

- CUSTOMER TO INSTALL 1-4" SCHEDULE 40 CONDUIT & PULLING LINES FOR ELECTRIC PRIMARY CABLE FROM PROPOSED TRANSFORMER TO PROPERTY LINE. DUCT TO BE SET AT A MINIMUM COVER OF 36" PER BGE STANDARD.

- CUSTOMER TO INSTALL 2-4" SCHEDULE 40 CONDUIT & PULLING LINES (1-SERVICE & 1-SPARE) FOR ELECTRIC SECONDARY CABLE FROM PROPOSED TRANSFORMER TO 5' FROM PROPOSED P#607134. DUCT TO BE SET AT A MINIMUM COVER OF 30" PER BGE STANDARD.

- CUSTOMER REQUIRED TO CONTACT JOE BOSSE (410) 470-6974 (BGE INSPECTOR) 2-WEEKS PRIOR TO ELECTRIC METER INSTALLATION.

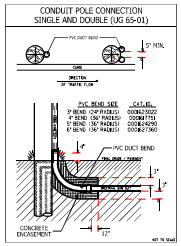
- CUSTOMER TO PROVIDE LEVEL AREA & TRAFFIC PROTECTION FOR ANY BGE EQUIPMENT ON OR WITHIN 8' OF A DRIVEABLE SURFACE.

- CUSTOMER SHOULD REFER TO BGE's LATEST BOOKLET ONLINE AT BGE.COM FOR TRANSFOMER PAD, DUCT AND METERING, INSTALLATION INSTRUCTIONS "Natural gas and electric service guide for commercial, Industrial, and residential customers."

- CUSTOMER RESPONSIBLE FOR CASCADING THIS INFORMATION AND ATTACHED DETAIL PACKAGES TO THEIR AGENTS AND CONTRACTORS.

- CUSTOMER TO INSTALL BOLLARDS AROUND THE PADMOUNT TRANSFORMER, CT CABINET, AND FREE STANDING METER.

CONDUIT POLE CONNECTION
SINGLE AND DOUBLE (UG 65-01)



GENERAL NOTES:
1. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING ACTUAL LOCATIONS OF EXISTING UNDERGROUND UTILITIES.
2. CONTRACTOR SHALL MAINTAIN 5 FEET MINIMUM HORIZONTAL CLEARANCE BETWEEN WATER MAINS, SANITARY SEWERS, AND DUCTBANKS.
3. ALL EXCAVATED MATERIAL SHALL BE PLACED ON THE HIGH SIDE OF TRENCH AND KEPT OUT OF SWALE, DITCHES AND OTHER AREAS OF CONCENTRATED FLOW AND PROTECTED IN A MANNER IN WHICH WILL PREVENT EROSION.
4. ALL AREAS DISTURBED DURING CONSTRUCTION MUST BE STABILIZED PRIOR TO LEAVING JOB SITE EACH DAY.
5. SERVICES ARE SHOWN FOR PERMITTING PURPOSES ONLY.

ELECTRIC SPECIFIC NOTES
1. ALL TRANSFORMERS TO BE LOCATED 8' BEHIND PROPERTY LINE UNLESS OTHERWISE NOTED.
2. ALL PROPOSED POLES ARE DESIGNED TO BE ADA COMPLIANT.

REVISED PRINT
REVISION #: 02
REVISION DATE: 09-03-2024
APPROVED BY: BF

02
1) NEW BGE P#607134
INST. 45/3 IN LEAD
FRAME PER OH STD. 4-61
INST :1-8' F/G A, 1-PTP&I, 2-5310 P&I
:1-C/O (0001622937) (FUSE 40K) 30-2059 A
:1-4" RISER (PRI)
:1-SUSP. 50
TERM :1-#2AL (PRI)
TRF :3-PRI
:1-SEC

URD INFO @ LOC.1 (FDR#8486)
HAND DIG 1-5x4x4 SPLICE PIT (IN CONC & EARTH)
ALLOW APPROX. 45' OF #2AL PRI (0001622471)

INST :1-4" 90° BEND, 3' RAD.
:1-4" COUPLING
ENCASE BEND IN CONC.

2) TLC 3-07-07-40-0033 A
INST :50KVA PM TRANS (0001638415)
:PAD (0001638414)
TERM :1-#2AL
:1-350AL 3W SVC
ACCESS PIT (HAND DIG)
INST :3-4" 90° BEND, 3' RAD.
:3-4" COUPLING
ENCASE BENDS IN CONC.

TRANSFORMER LOCATION
LOC.2 @ 6540 R WASHINGTON BLVD
TLC 3-07-07-40-0033A

ELECTRIC SERVICE INFORMATION
6540 R WASHINGTON BLVD
INSTALL 1 SET OF 350AL 3W SVC (0001619833)
65' + 20' SLACK = 85' TOTAL

ELECTRIC METER INFORMATION
6540 R WASHINGTON BLVD
INST. 400A CT RATED FREE STANDING METER
SUMMER DEMAND: 54KVA
WINTER DEMAND: 54KVA

YES	NO	
X		LANE CLOSURE NECESSARY?
X		FLAGGERS NEEDED?
	X	TREE/VINE TRIMMING NECESSARY?
X		ARE POLES TRUCK ACCESSIBLE?

NOTE:
1. MAINTAIN A MINIMUM OF 3 FT. OF SEPARATION FROM ALL ENERGIZED CABLES.
2. LOCATIONS OF EXISTING UTILITIES AND CABLES SHOWN HEREON ARE APPROXIMATE ONLY. CALL "MISS UTILITY" BEFORE DIGGING IN THIS AREA. ALL EXISTING UTILITIES SO AS' CHOSEN SHOULD BE TEST PITTED PRIOR TO STARTING BGE CONSTRUCTION.
3. HAND DIG IN AREAS NEAR TRANSFORMERS AND POLE.
4. ALL ELECTRIC CABLES TO BE BURIED TO BGE UNDERGROUND CONSTRUCTION STANDARDS, EXCEPTION BEING HOWARD COUNTY WHICH HAS A MINIMUM DEPTH OF 36 INCHES. ANY EXCEPTIONS ARE NOTED ON THE PRINT.

NOTE: MAINTAIN 5 FT. HORIZONTAL AND 1 FT. VERTICAL CLEARANCE FROM ALL WATER, SEWER, FIRE HYDRANTS, AND STORM DRAINS.

CUSTOMER INSTALLED DUCT
- INSTALL DUCT TO BGE SPECIFICATIONS IN THE NATURAL GAS AND ELECTRIC SERVICE GUIDE.
- INSTALL 4" SCH 40 PVC DUCT W/ 30" OF COVER MIN.
- W./ PULL STRINGS FROM PM TRANS TO 5' IN FRONT OF POLE
- INSTALL 2-4" SCH. 40 PVC DUCT W/ 30" OF COVER MIN. FROM PROP PM TRAN. TO METER.
- DUCT IS FOR BGE EQUIPMENT ONLY AND DOES NOT INCLUDE VERIZON OR CATV

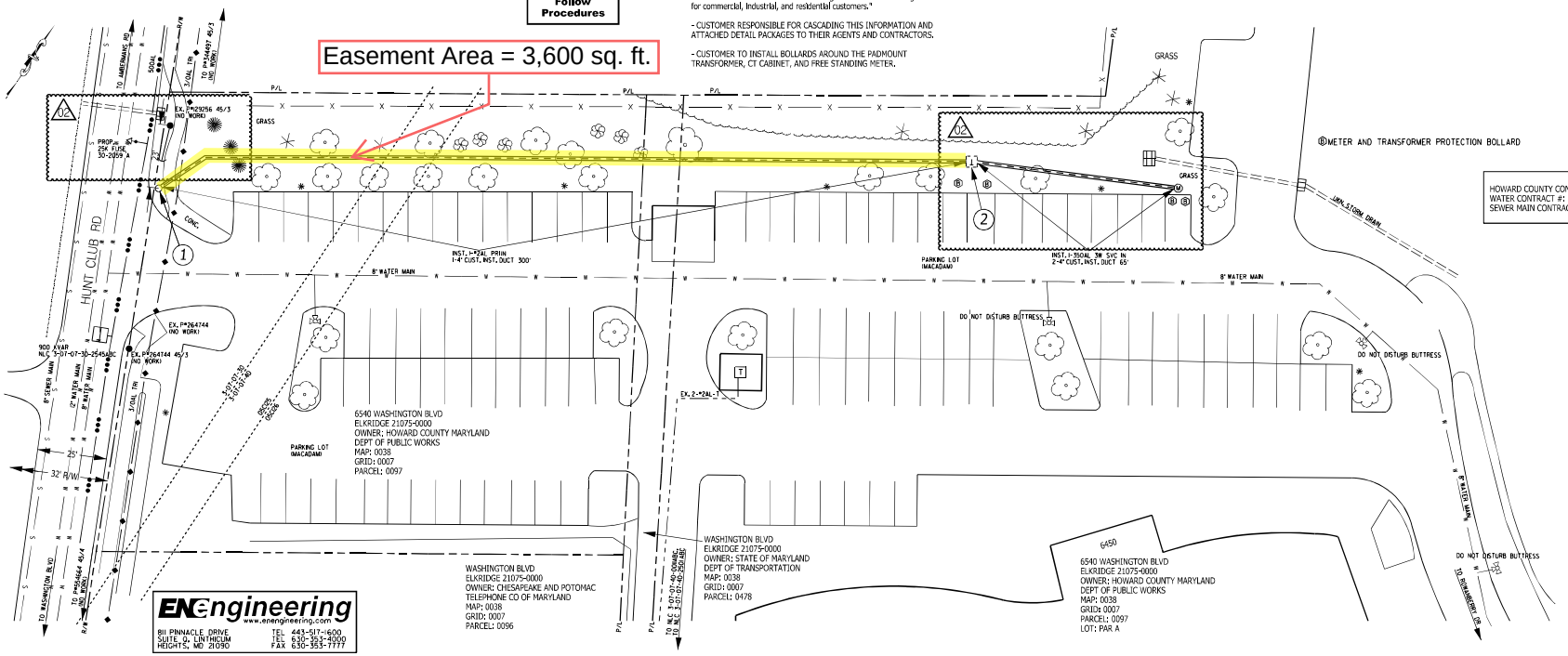
NOTE:
UNDERGROUND UTILITIES & OBSTRUCTIONS ARE NOT GUARANTEED CORRECT. CONTRACTOR MUST VERIFY LOCATION & DEPTH OF ALL UNDERGROUND OBSTRUCTIONS BEFORE PROCEEDING WITH CONSTRUCTION.

CUSTOMER TO LOCATE & MARK ALL EXISTING PRIVATE U.G. FACILITIES. BGE OR ITS CONTRACTORS WILL NOT BE RESPONSIBLE FOR DAMAGE TO UNMARKED FACILITIES ON CUSTOMER'S PROPERTY.

DUCT PREPARATION

CONTRACTOR TO CLEAR PROPOSED DUCT LINE OF ALL DIRT,DEBRIS,ETC.

- MANDREL CONDUIT W/ MANDREL 1/4" SMALLER THAN CONDUIT INSIDE DIAMETER.
- INSTALL PULL STRING AND PLUG DUCT ENDS AFTER INSPECTOR APPROVAL.



HOWARD COUNTY CONTRACT NUMBERS
WATER CONTRACT #: 2-W, 14-4953-D, 44-3298
SEWER MAIN CONTRACT #: 348-S

COMPLY WITH THE FOLLOWING AGREED-UPON SITE PREPARATION FOR OUR EQUIPMENT:

- [X] SITE TO BE WITHIN SIX INCHES OF FINAL GRADE.
- [X] INSTALL AND MARK IN PLANTINGS, RAISED SOILS, PAVEMENT, STORM DRAIN, & ALL OTHER KNOWN UTILITIES.
- [X] LOCATE AND CLEARLY MARK ALL PRIVATE UNDERGROUND FACILITIES ON SITE (GAS, WELL, WATER, SEWER, TELEPHONE, CABLE TV, ETC.) AND ANY OTHER OBSTRUCTIONS THAT MAY INTERFERE WITH PROPER INSTALLATION OF EQUIPMENT INCLUDING BUT NOT LIMITED TO TREES, SHRUBS, OR SYSTEMS, IRRIGATION, PRIVATE WATER, ETC.
- [X] INSTALL SOIL EROSION AND SEDIMENT CONTROLS.
- [ ] LOCATE AND CLEARLY MARK PROPOSED PROPERTY AND CURB LINES ON THE JOB SITE.
- [X] STAKE TRANSFORMER AND/OR SWITCHGEAR LOCATIONS.
- [ ] INSTALL CONDUCTORS WITH PULL STRINGS PER BGE SPECIFICATIONS, INSTALL ALL ROAD CROSSINGS.
- [X] INSTALL CONDUITS WITH PULL STRINGS PER BGE SPECIFICATIONS, INSTALL ALL ROAD CROSSINGS. ENTRANCE DUCT, AS SCHEDULED, TO THE CUSTOMER SHALL PULL A MINIMUM, THROUGH EACH DUCT PRIOR TO BGE INSTALLATION OF CABLE. BGE WILL NOT INSTALL CABLE UNTIL ALL OTHER TRADES HAVE COMPLETED WORK FOR BGE'S CONDUIT/DUCT REQUIREMENTS.
- [X] CLEAR THE SITE OF ALL BUILDING MATERIALS, TEMPORARY HEAT, TRASH AND DEBRIS PRIOR TO THE MONTH OF THE PROPOSED BGE FACILITIES.
- [X] INSTALL GAS METER PADS, TRANSFORMER PADS PER BGE SPECIFICATIONS.
- [X] REVIEW ALL CUSTOMER NOTES LISTED ON THIS PRINT. REVIEW ALL APPLICABLE CUSTOMER INFORMATION BOOKLETS. IF QUESTION TO EXIST WITH PLANNING, DESIGN OR CONSTRUCTION, CONTACT YOUR BGE REPRESENTATIVE WITH ANY QUESTIONS.

SIGNATURE: _____

ENGINEERING SITE IS READY, CALL (855)750-8414 TO SCHEDULE CONSTRUCTION OF YOUR PROJECT. IF ANY OF THE ABOVE REQUIREMENTS ARE NOT MET WHEN THE SITE IS INSPECTED BY A BGE CONSTRUCTION REPRESENTATIVE, YOUR INSTALLATION TO TIE OUT, THE CONSTRUCTION SCHEDULE MAY BE DELAYED.

ENengineering
www.enengineering.com
811 PINNACLE DRIVE SUITE 2, LINTHICUM HEIGHTS, MD 21090
TEL 443-517-1600
TEL 630-355-4000
FAX 630-353-7777

FROM/TO	NUMBER (A) INST	NUMBER (A) REM	ONE-WAY DISTANCE (B)	SLACK (C)	TOTAL QUANTITY A(B+C)	SIZE	DESCRIPTION	DESIGN TENSION	SAG SPEC PG	CATEGORY IDENTIFICATION NUMBER
1-2	1	-	300'	55'	340'	#2	CABLE 13KV #2AL 1/C XLP JKT			0001622471

FROM/TO	NUMBER (A) INST	NUMBER (A) REM	ONE-WAY DISTANCE (B)	SLACK (C)	TOTAL QUANTITY A(B+C)	SIZE	DESCRIPTION	DESIGN TENSION	SAG SPEC PG	CATEGORY IDENTIFICATION NUMBER

FROM/TO	NUMBER (A) INST	NUMBER (A) REM	ONE-WAY DISTANCE (B)	SLACK (C)	TOTAL QUANTITY A(B+C)	SIZE	DESCRIPTION	DESIGN TENSION	SAG SPEC PG	CATEGORY IDENTIFICATION NUMBER

CUSTOMER CONTACT: Kenneth Hamm
PHONE NUMBER: khamm@howardcounty.gov
CUSTOMER CONTACT:
PHONE NUMBER:

REV. NO.	REVISION DESCRIPTION	BY	DATE
01	CHANGE TO PRIMARY FEED LOCATION	JR	04/05/24
01	ADDITION OF CUTOUT, PM TRANS	JR	04/05/24
01	CHANGE TO METER LOCATION AND SIZE	JR	04/05/24
02	INCREASE METER LOAD, OH FUSE, AND PM TRANS	BF	09/03/24

PERMITS	REQ.
CITY	
HOWARD CO.	X
STATE	X
FORESTRY	
BLANKET	
TRANSMISSION	
LAND USE	
NONE REQUIRED	

JOB OWNER - PROJ. / PROG. MGR: CHAD SPENCE, OFFICE # 667-313-2587
DESIGNER: BOX ROBYNSTON, OFFICE # 443-652-6412
UNIT PRINCIPAL DESIGNER: SPENCER ADAMS, OFFICE # 410-525-4187
DESIGN REVIEWED BY (NAME & TITLE): MIKE KLEIN, OFFICE # 667-313-2836

POTENTIALLY CONTAMINATED AREA: SITE # N/A YES NO X (IF YES, SEE SECTION 261 OF ENV PERMIT GUIDE)
ENVIRONMENTAL DOCUMENTATION: NOTICE OF INTENT / AGREEMENT
DESC. PLAN / DRAINAGE PLAN: FOREST CONSV. / NOTES: NONE X

	BY	DATE
DESIGNER	JR	04/05/24
CONTRACTOR QA CK	MD	04/10/24
BGE QA CHECK	MK	05/01/24
ENGINEERING CK		
RIGHT-OF-WAY CK		
CORROSION CTRL/ GAS CTRL		
PRESSURE CTR:		
DRAFTER		

CALL MISS UTILITY 48 HRS. BEFORE STARTING WORK 1-800-257-7777 OR 811
GAS SYSTEM TYPE: N/A
MAIN TYPE: STEEL / PLASTIC — PSIG / HOURS / MINUTES
MAIN TYPE: STEEL / PLASTIC — PSIG / HOURS / MINUTES
HYDROSTATIC TEST — PSIG / HOURS / MINUTES
RADIOGRAPHIC REQUIRED: ___ %

JOB TITLE: 6540 R WASHINGTON BLVD
LOCATION: 6540 WASHINGTON BLVD
CITY / TOWN: ELKRIDGE COUNTY: HOWARD
DEVELOPMENT / LOCALITY: ELKRIDGE/ 21075
OBJECT OF WORK: INSTALL NEW POLE, PM TRANS, AND METER FOR NEW CUST EV CHARGING EQUIP
CUSTOMER: BGE EV SMART
LOCATION OF GAS & ELECTRIC FACILITIES APPROVED BY: PRINT NAME: SIGNATURE: PHONE DATE

WORK ORDER NO. 17862766 — PRINT A — REV. PRINTS 01 — REVISION BASED ON WORK WITH 02
SCE REQUEST NO.: — DESIGN NO.: 05-219754-000-0152-752-2
FEEDER # & FDR. SHEET #: FDR # 8486 SHT # 1
GROUP EVCHSTA — TYPE NB
ELECTRIC GRID — GAS PLATE
S | EE | AB | OVE — SEE ABOVE
DESIGN SERVICES UNIT: NEW BUSINESS
ADC MAP — MAP NO. — GRID(S): 10 — 03
COUNTY: HOWARD CO
CONSTRUCTION DISCIPLINE: CM X UTD X UG X GAS
SCALE 20 40

BGE DESIGN SERVICES

I:\Projects\8GP\21\0000.10\00.0003\CONSTRUCTION\17862766_A_FDP.dgn 12/11/2024