



# MONUMENT CORNER - FAIRFAX VA

**SITE ADDRESS:  
11900 PALACE WAY,  
FAIRFAX, VA 22030  
TRT ID: 12482**



3500 DEER CREEK ROAD  
PALO ALTO, CA 94304  
(650) 681-5000



**Dewberry Engineers Inc.**  
600 PARSIPPANY ROAD  
SUITE 301  
PARSIPPANY, NJ 07054  
PHONE: 973.739.9400  
FAX: 973.739.9710

NOT FOR  
CONSTRUCTION

SITE INFORMATION	APPLICABLE CODES	PROJECT DESCRIPTION	ZONING INFORMATION	DRAWING INDEX
------------------	------------------	---------------------	--------------------	---------------

**PROPOSED TESLA EV SITE ADDRESS:**  
11900 PALACE WAY  
FAIRFAX, VA 22030

**PROPERTY OWNER:**  
EPT NINETEEN INC.

**PARCEL ID:**  
APN: 0561-01-00471

**POWER COMPANY:**  
DOMINION ENERGY  
ANDREW HEDRICK  
(434) 981-3039  
ANDREW.J.HEDRICK@DOMINIONENERGY.COM  
WORK ORDER #: TBD

**COUNTY:**  
FAIRFAX COUNTY

**LATITUDE\*:**  
38° 51' 33.51" N

**LONGITUDE\*:**  
77° 21' 26.90" W  
\*BASED ON GOOGLE EARTH

**CONTACT ENGINEER:**  
DAVID REVETTE, PE  
DEWBERRY ENGINEERS INC.  
(973) 576-9639  
drevette@dewberry.com

ALL WORK SHALL COMPLY WITH THE FOLLOWING APPLICABLE CODES:  
VIRGINIA UNIFORM BUILDING & ENERGY CODES, CONSISTENT WITH THE FOLLOWING CODES:  
  
2015 INTERNATIONAL BUILDING CODE (IBC) W/AMENDMENTS.  
2015 INTERNATIONAL EXISTING BUILDING CODE (IEBC) W/AMENDMENTS.  
2017 NATIONAL ELECTRIC CODE (NEC).  
2015 INTERNATIONAL ENERGY CONSERVATION CODE (IECC) W/AMENDMENTS.  
  
IN THE EVENT OF CONFLICT, THE MOST RESTRICTIVE CODE SHALL PREVAIL.

- INSTALL (2) TESLA V3 SUPERCHARGER CABINETS
- INSTALL (8) TESLA CHARGING POSTS
- INSTALL (2) 600A ELECTRICAL DISCONNECTS
- INSTALL (1) UTILITY TRANSFORMER, CT CABINET & METER
- INSTALL (1) TESLA SITE CONTROLLER & ELECTRICAL DISCONNECT

JURISDICTION: FAIRFAX COUNTY  
APN: 0561-01-00471  
LAND USE: COMMERCIAL

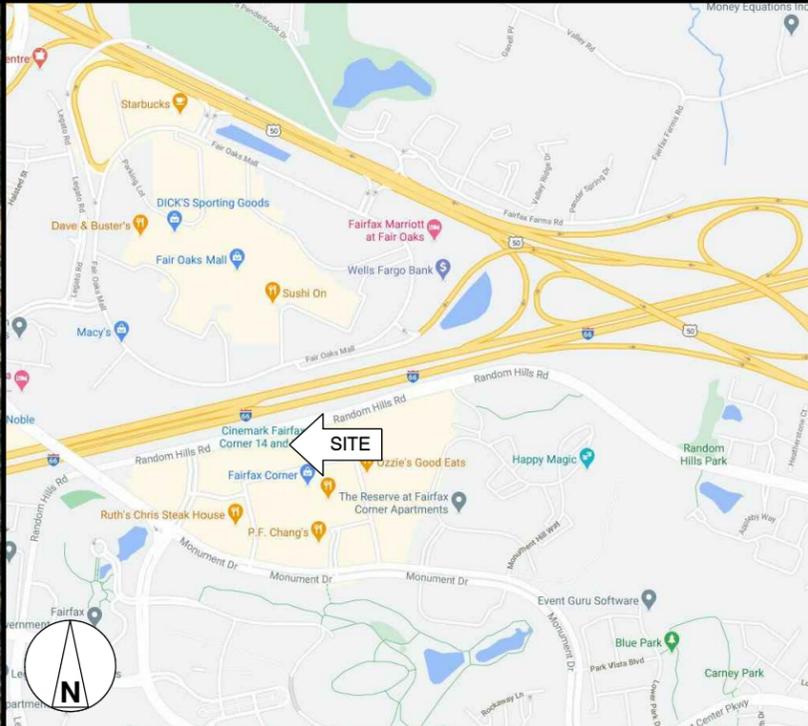
SHT. NO.	SHEET TITLE
T-1	TITLE SHEET
C-1	SITE PLAN
C-2	EXISTING CONDITIONS PLAN
C-3	EQUIPMENT/PARKING PLAN
C-4	PARKING SIGNS & SCHEDULE
E-1	ELECTRICAL ONE-LINE DIAGRAM

<b>DRAWN BY:</b>	FG
<b>CHECKED BY:</b>	BBR
<b>APPROVED BY:</b>	DER
<b>PROJECT #:</b>	50123704
<b>JOB #:</b>	50135542

**AERIAL MAP**



**LOCATION MAP**



SUBMITTALS		
REV.	DATE	DESCRIPTION
1	04/05/21	LANDSCAPE DESIGN
0	03/30/21	ISSUED AS FINAL
C	03/23/21	FINAL REVIEW
B	02/25/21	ISSUED FOR 90% REVIEW
A	02/12/21	ISSUED FOR 50% REVIEW

**SITE NAME:**  
MONUMENT CORNER -  
FAIRFAX VA  
TRT ID: 12482  
**SITE ADDRESS:**  
11900 PALACE WAY  
FAIRFAX, VA 22030

**CONTRACTOR NOTE**

CONTRACTOR SHALL COMPLETE INSTALL PER THE SIGNED AND SEALED SET OF DRAWINGS. ANY NECESSARY DEVIATIONS FROM THE DRAWINGS MUST BE SUBMITTED THROUGH AN RFI REQUEST PROCESS WITH ENGINEERING FOR AN APPROVAL PRIOR TO CONTRACTOR PROCEEDING WITH A DEVIATION OF THE SIGNED AND SEALED SET OF DRAWINGS.



**BEFORE SCALING**

CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE TESLA REPRESENTATIVE IN WRITING OF DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

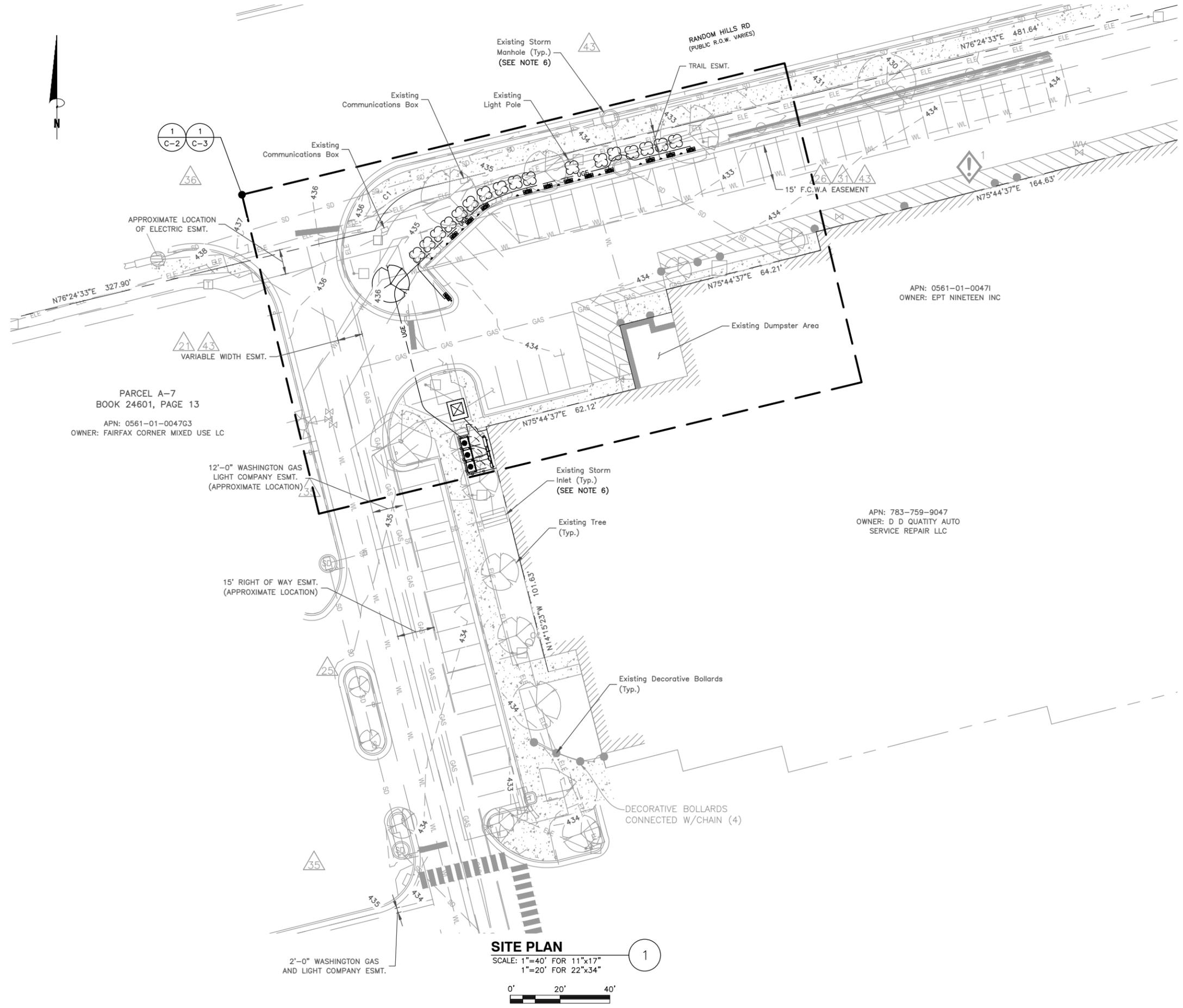
**CALL BEFORE YOU DIG**



Dial 811 in Virginia or  
1-800-552-7001

**SHEET TITLE**  
TITLE SHEET

**SHEET NUMBER**  
T-1



PARCEL A-7  
BOOK 24601, PAGE 13  
APN: 0561-01-00473  
OWNER: FAIRFAX CORNER MIXED USE LC

APN: 0561-01-00471  
OWNER: EPT NINETEEN INC

APN: 783-759-9047  
OWNER: D D QUANTITY AUTO SERVICE REPAIR LLC

**SITE PLAN**  
SCALE: 1"=40' FOR 11"x17"  
1"=20' FOR 22"x34"  
0' 20' 40'

**LEGEND**

- SANITARY CLEANOUT
- STORM MANHOLE
- STORM INLET (ROUND)
- STORM INLET (RECTANGLE)
- FIRE HYDRANT
- WATER VALVE
- WATER METER
- LIGHT POLE
- ELECTRIC TRANSFORMER
- ELECTRIC BOX
- TELEPHONE PEDESTAL
- GAS METER
- TRAFFIC SIGNAL CONTROL BOX
- DECIDUOUS TREE
- SHRUB
- LANDSCAPED AREA
- BOLLARD
- SIGN
- STORM LINE (UNDERGROUND)
- WATER LINE (UNDERGROUND)
- GAS LINE (UNDERGROUND)
- ELECTRIC LINE (UNDERGROUND)
- IRON FENCE
- TREE LINE
- CONCRETE AREA
- EXCEPTION NUMBER (REFERENCE FINAL SURVEY)
- AREA OF CONCERN (REFERENCE FINAL SURVEY)
- PROPERTY LINE

**NOTES:**

1. SITE PLAN BASED ON ENGINEERING DESIGN SURVEY A PORTION OF BOOK 24601, PAGE 13, SPRINGFIELD DISTRICT, FAIRFAX COUNTY, VIRGINIA, BY BY CLARK LAND SURVEYING, INC DATED 02/01/21
2. UTILITY CONNECTION TO BE MADE UNDER DOMINION ENERGY UTILITIES STANDARDS, CONFIRM FINAL DESIGN PRIOR TO CONSTRUCTION, DOMINION COSTUMER SOLUTIONS WORK ORDER #: TBD.
3. EXISTING UNDERGROUND UTILITIES LOCATED WITHIN AREA OF PROPOSED TRENCH & EQUIPMENT SITE AREA TO BE HAND DUG AND RELOCATED AS REQUIRED.
4. EXISTING CUSTOMER OWNED ELECTRICAL & TELCO CONDUIT & EQUIPMENT TO BE RELOCATED AS NEEDED DURING CONSTRUCTION.
5. ELECTRICAL PRIMARY TIE-IN LOCATION AND SCOPE TO BE CONFIRMED W/UTILITY PRIOR TO CONSTRUCTION.
6. EXISTING STORM DRAIN INLETS TO BE COVERED WITH SILT BAG DURING CONSTRUCTION
7. CONTRACTOR TO PROVIDE LANDSCAPE/TREE PROTECTION WHERE NECESSARY. ANY LANDSCAPING REMOVED OR DAMAGED DURING CONSTRUCTION TO BE REPLACED IN KIND.

3500 DEER CREEK ROAD  
PALO ALTO, CA 94304  
(650) 681-5000

**Dewberry**  
Dewberry Engineers Inc.  
600 PARSIPPANY ROAD  
SUITE 301  
PARSIPPANY, NJ 07054  
PHONE: 973.739.9400  
FAX: 973.739.9710

NOT FOR  
CONSTRUCTION

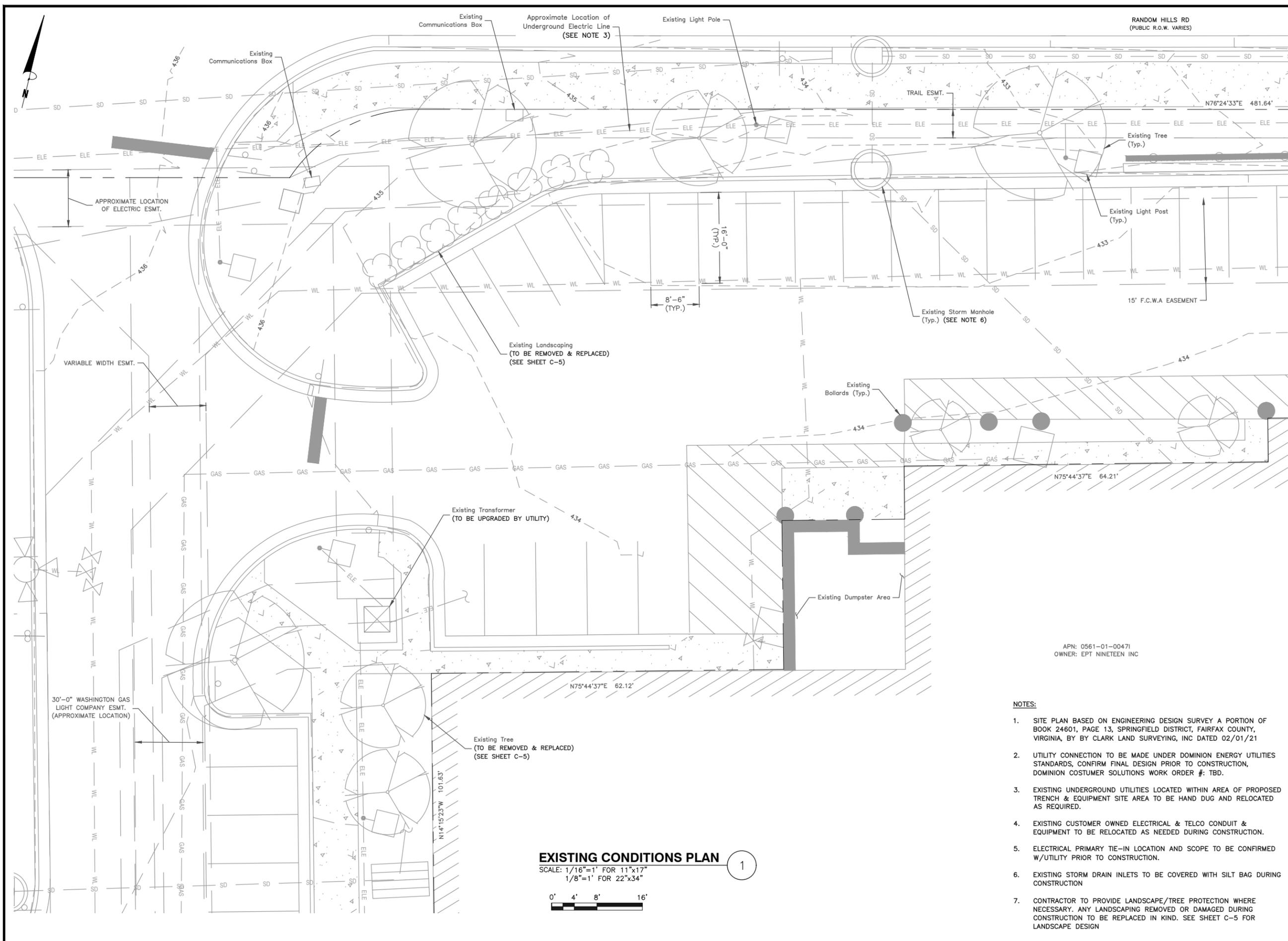
DRAWN BY:	FG
CHECKED BY:	BBR
APPROVED BY:	DER
PROJECT #:	50123704
JOB #:	50135542

SUBMITTALS		
REV.	DATE	DESCRIPTION
1	04/05/21	LANDSCAPE DESIGN
0	03/30/21	ISSUED AS FINAL
C	03/23/21	FINAL REVIEW
B	02/25/21	ISSUED FOR 90% REVIEW
A	02/12/21	ISSUED FOR 50% REVIEW

SITE NAME:  
MONUMENT CORNER -  
FAIRFAX VA  
TRT ID: 12482  
SITE ADDRESS:  
11900 PALACE WAY  
FAIRFAX, VA 22030

SHEET TITLE  
SITE PLAN

SHEET NUMBER  
C-1



**EXISTING CONDITIONS PLAN** 1  
 SCALE: 1/16"=1' FOR 11"x17"  
 1/8"=1' FOR 22"x34"  
 0' 4' 8' 16'

APN: 0561-01-00471  
 OWNER: EPT NINETEEN INC

- NOTES:**
1. SITE PLAN BASED ON ENGINEERING DESIGN SURVEY A PORTION OF BOOK 24601, PAGE 13, SPRINGFIELD DISTRICT, FAIRFAX COUNTY, VIRGINIA, BY CLARK LAND SURVEYING, INC DATED 02/01/21
  2. UTILITY CONNECTION TO BE MADE UNDER DOMINION ENERGY UTILITIES STANDARDS, CONFIRM FINAL DESIGN PRIOR TO CONSTRUCTION, DOMINION COSTUMER SOLUTIONS WORK ORDER #: TBD.
  3. EXISTING UNDERGROUND UTILITIES LOCATED WITHIN AREA OF PROPOSED TRENCH & EQUIPMENT SITE AREA TO BE HAND DUG AND RELOCATED AS REQUIRED.
  4. EXISTING CUSTOMER OWNED ELECTRICAL & TELCO CONDUIT & EQUIPMENT TO BE RELOCATED AS NEEDED DURING CONSTRUCTION.
  5. ELECTRICAL PRIMARY TIE-IN LOCATION AND SCOPE TO BE CONFIRMED W/UTILITY PRIOR TO CONSTRUCTION.
  6. EXISTING STORM DRAIN INLETS TO BE COVERED WITH SILT BAG DURING CONSTRUCTION
  7. CONTRACTOR TO PROVIDE LANDSCAPE/TREE PROTECTION WHERE NECESSARY. ANY LANDSCAPING REMOVED OR DAMAGED DURING CONSTRUCTION TO BE REPLACED IN KIND. SEE SHEET C-5 FOR LANDSCAPE DESIGN

**TESLA**

3500 DEER CREEK ROAD  
 PALO ALTO, CA 94304  
 (650) 681-5000

**Dewberry**

Dewberry Engineers Inc.  
 600 PARSIPPANY ROAD  
 SUITE 301  
 PARSIPPANY, NJ 07054  
 PHONE: 973.739.9400  
 FAX: 973.739.9710

NOT FOR  
 CONSTRUCTION

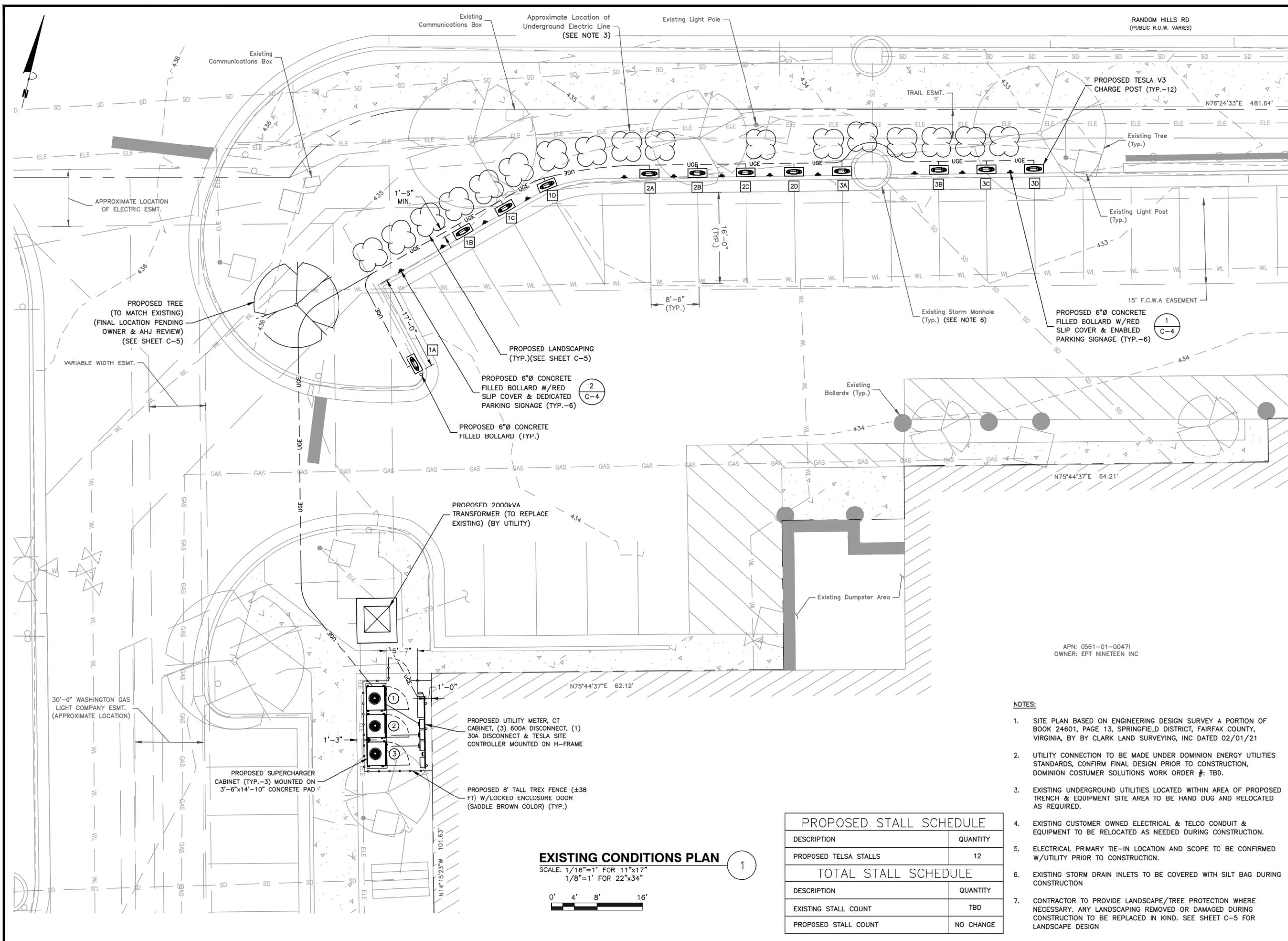
DRAWN BY:	FG
CHECKED BY:	BBR
APPROVED BY:	DER
PROJECT #:	50123704
JOB #:	50135542

SUBMITTALS		
REV.	DATE	DESCRIPTION
1	04/05/21	LANDSCAPE DESIGN
0	03/30/21	ISSUED AS FINAL
C	03/23/21	FINAL REVIEW
B	02/25/21	ISSUED FOR 90% REVIEW
A	02/12/21	ISSUED FOR 50% REVIEW

**SITE NAME:**  
 MONUMENT CORNER -  
 FAIRFAX VA  
 TRT ID: 12482  
**SITE ADDRESS:**  
 11900 PALACE WAY  
 FAIRFAX, VA 22030

**SHEET TITLE**  
 EXISTING  
 CONDITIONS PLAN

**SHEET NUMBER**  
 C-2



3500 DEER CREEK ROAD  
PALO ALTO, CA 94304  
(650) 681-5000

Dewberry Engineers Inc.  
600 PARSIPPANY ROAD  
SUITE 301  
PARSIPPANY, NJ 07054  
PHONE: 973.739.9400  
FAX: 973.739.9710

NOT FOR CONSTRUCTION

DRAWN BY:	FG
CHECKED BY:	BBR
APPROVED BY:	DER
PROJECT #:	50123704
JOB #:	50135542

SUBMITTALS		
REV.	DATE	DESCRIPTION
1	04/05/21	LANDSCAPE DESIGN
0	03/30/21	ISSUED AS FINAL
C	03/23/21	FINAL REVIEW
B	02/25/21	ISSUED FOR 90% REVIEW
A	02/12/21	ISSUED FOR 50% REVIEW

SITE NAME:  
MONUMENT CORNER -  
FAIRFAX VA  
TRT ID: 12482  
SITE ADDRESS:  
11900 PALACE WAY  
FAIRFAX, VA 22030

SHEET TITLE  
EQUIPMENT/  
PARKING PLAN

SHEET NUMBER  
C-3

- NOTES:
- SITE PLAN BASED ON ENGINEERING DESIGN SURVEY A PORTION OF BOOK 24601, PAGE 13, SPRINGFIELD DISTRICT, FAIRFAX COUNTY, VIRGINIA, BY CLARK LAND SURVEYING, INC DATED 02/01/21
  - UTILITY CONNECTION TO BE MADE UNDER DOMINION ENERGY UTILITIES STANDARDS, CONFIRM FINAL DESIGN PRIOR TO CONSTRUCTION, DOMINION CUSTOMER SOLUTIONS WORK ORDER #: TBD.
  - EXISTING UNDERGROUND UTILITIES LOCATED WITHIN AREA OF PROPOSED TRENCH & EQUIPMENT SITE AREA TO BE HAND DUG AND RELOCATED AS REQUIRED.
  - EXISTING CUSTOMER OWNED ELECTRICAL & TELCO CONDUIT & EQUIPMENT TO BE RELOCATED AS NEEDED DURING CONSTRUCTION.
  - ELECTRICAL PRIMARY TIE-IN LOCATION AND SCOPE TO BE CONFIRMED W/UTILITY PRIOR TO CONSTRUCTION.
  - EXISTING STORM DRAIN INLETS TO BE COVERED WITH SILT BAG DURING CONSTRUCTION
  - CONTRACTOR TO PROVIDE LANDSCAPE/TREE PROTECTION WHERE NECESSARY. ANY LANDSCAPING REMOVED OR DAMAGED DURING CONSTRUCTION TO BE REPLACED IN KIND. SEE SHEET C-5 FOR LANDSCAPE DESIGN



3500 DEER CREEK ROAD  
PALO ALTO, CA 94304  
(650) 681-5000



Dewberry Engineers Inc.  
600 PARSIPPANY ROAD  
SUITE 301  
PARSIPPANY, NJ 07054  
PHONE: 973.739.9400  
FAX: 973.739.9710

NOT FOR  
CONSTRUCTION

DRAWN BY: FG

CHECKED BY: BBR

APPROVED BY: DER

PROJECT #: 50123704

JOB #: 50135542

SUBMITTALS

REV.	DATE	DESCRIPTION
1	04/05/21	LANDSCAPE DESIGN
0	03/30/21	ISSUED AS FINAL
C	03/23/21	FINAL REVIEW
B	02/25/21	ISSUED FOR 90% REVIEW
A	02/12/21	ISSUED FOR 50% REVIEW

SITE NAME:

MONUMENT CORNER –  
FAIRFAX VA  
TRT ID: 12482  
SITE ADDRESS:  
11900 PALACE WAY  
FAIRFAX, VA 22030

SHEET TITLE

PARKING SIGNS  
& SCHEDULE

SHEET NUMBER

C-4



ENABLED SIGNAGE DETAIL

SCALE: N.T.S.

1



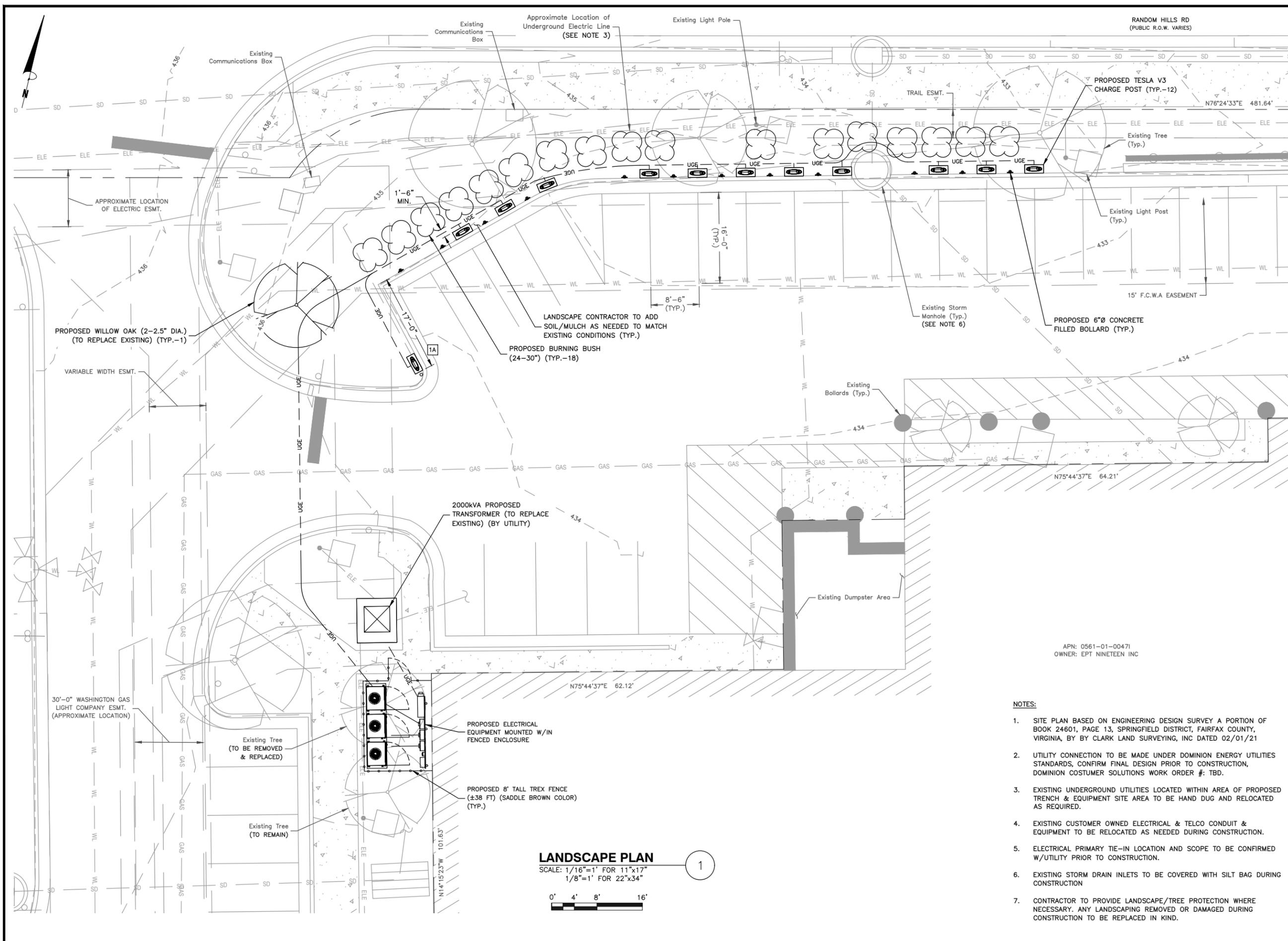
DEDICATED SIGNAGE DETAIL

SCALE: N.T.S.

2

CHARGING POST  
CIRCUIT SCHEDULE

SUPERCHARGER	CHARGE POST	DEDICATED/ENABLED
①	1A	DEDICATED
	1B	DEDICATED
	1C	DEDICATED
	1D	DEDICATED
②	2A	DEDICATED
	2B	DEDICATED
	2C	ENABLED
	2D	ENABLED
③	3A	ENABLED
	3B	ENABLED
	3C	ENABLED
	3D	ENABLED



**TESLA**

3500 DEER CREEK ROAD  
PALO ALTO, CA 94304  
(650) 681-5000

**Dewberry**

Dewberry Engineers Inc.  
600 PARSIPPANY ROAD  
SUITE 301  
PARSIPPANY, NJ 07054  
PHONE: 973.739.9400  
FAX: 973.739.9710

NOT FOR  
CONSTRUCTION

DRAWN BY:	FG
CHECKED BY:	BBR
APPROVED BY:	DER
PROJECT #:	50123704
JOB #:	50135542

SUBMITTALS		
REV.	DATE	DESCRIPTION
1	04/05/21	LANDSCAPE DESIGN
0	03/30/21	ISSUED AS FINAL
C	03/23/21	FINAL REVIEW
B	02/25/21	ISSUED FOR 90% REVIEW
A	02/12/21	ISSUED FOR 50% REVIEW

SITE NAME:  
MONUMENT CORNER -  
FAIRFAX VA  
TRT ID: 12482  
SITE ADDRESS:  
11900 PALACE WAY  
FAIRFAX, VA 22030

SHEET TITLE  
LANDSCAPE PLAN

SHEET NUMBER  
C-5

- NOTES:
- SITE PLAN BASED ON ENGINEERING DESIGN SURVEY A PORTION OF BOOK 24601, PAGE 13, SPRINGFIELD DISTRICT, FAIRFAX COUNTY, VIRGINIA, BY CLARK LAND SURVEYING, INC DATED 02/01/21
  - UTILITY CONNECTION TO BE MADE UNDER DOMINION ENERGY UTILITIES STANDARDS, CONFIRM FINAL DESIGN PRIOR TO CONSTRUCTION, DOMINION COSTUMER SOLUTIONS WORK ORDER #: TBD.
  - EXISTING UNDERGROUND UTILITIES LOCATED WITHIN AREA OF PROPOSED TRENCH & EQUIPMENT SITE AREA TO BE HAND DUG AND RELOCATED AS REQUIRED.
  - EXISTING CUSTOMER OWNED ELECTRICAL & TELCO CONDUIT & EQUIPMENT TO BE RELOCATED AS NEEDED DURING CONSTRUCTION.
  - ELECTRICAL PRIMARY TIE-IN LOCATION AND SCOPE TO BE CONFIRMED W/UTILITY PRIOR TO CONSTRUCTION.
  - EXISTING STORM DRAIN INLETS TO BE COVERED WITH SILT BAG DURING CONSTRUCTION
  - CONTRACTOR TO PROVIDE LANDSCAPE/TREE PROTECTION WHERE NECESSARY. ANY LANDSCAPING REMOVED OR DAMAGED DURING CONSTRUCTION TO BE REPLACED IN KIND.

**LANDSCAPE PLAN**  
SCALE: 1/16"=1' FOR 11"x17"  
1/8"=1' FOR 22"x34"  
1



3500 DEER CREEK ROAD  
PALO ALTO, CA 94304  
(650) 681-5000



Dewberry Engineers Inc.  
600 PARSIPPANY ROAD  
SUITE 301  
PARSIPPANY, NJ 07054  
PHONE: 973.739.9400  
FAX: 973.739.9710

NOT FOR  
CONSTRUCTION

DRAWN BY: FG

CHECKED BY: BBR

APPROVED BY: DER

PROJECT #: 50123704

JOB #: 50135542

SUBMITTALS

REV.	DATE	DESCRIPTION
1	04/05/21	LANDSCAPE DESIGN
0	03/30/21	ISSUED AS FINAL
C	03/23/21	FINAL REVIEW
B	02/25/21	ISSUED FOR 90% REVIEW
A	02/12/21	ISSUED FOR 50% REVIEW

SITE NAME:

MONUMENT CORNER -  
FAIRFAX VA  
TRT ID: 12482  
SITE ADDRESS:  
11900 PALACE WAY  
FAIRFAX, VA 22030

SHEET TITLE

ELECTRICAL  
ONE-LINE DIAGRAM

SHEET NUMBER

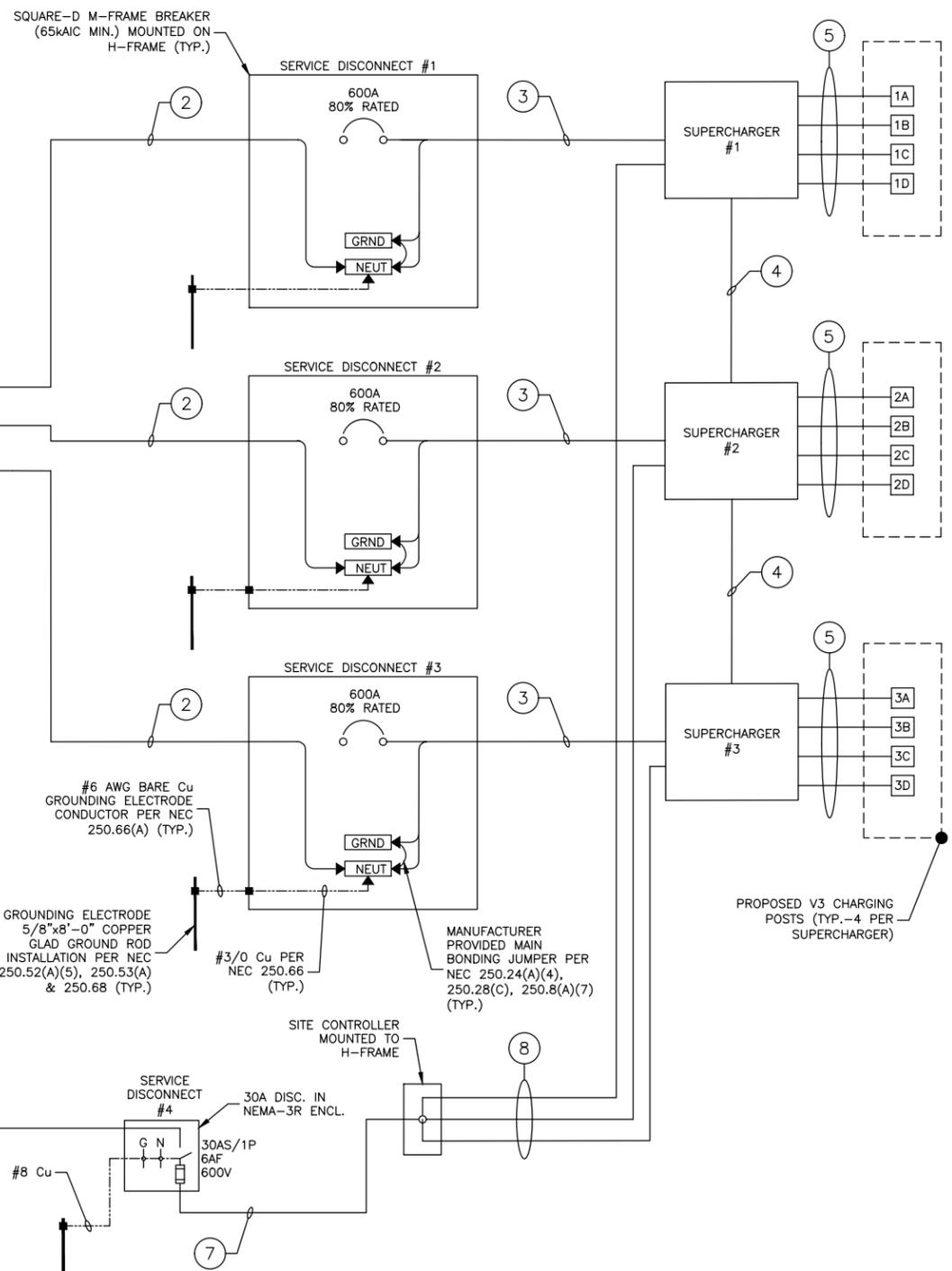
E-1

SERVICE ELECTRICAL CIRCUIT SCHEDULE

NO:	FROM	TO	CONFIGURATION
1	PROPOSED TRANSFORMER	PROPOSED CT CABINET: INCOMING	BY UTILITY
2	PROPOSED CT CABINET: OUTGOING	PROPOSED SERVICE BREAKER (600A) 80% RATED (TYP.-2)	[2 SETS:] (3) 500MCM AL (THWN-2) (1) 500MCM AL (THWN-2) NEUT IN 4" PVC CONDUIT
3	PROPOSED SERVICE BREAKER (600A) 80% RATED (TYP.-2)	PROPOSED TESLA SUPERCHARGER	[2 SETS:] (3) 500MCM AL (THWN-2) (1) 500MCM AL (THWN-2) NEUT (1) #1/0 CU (THWN-2) GND IN 4" PVC CONDUIT
4	DC BUS BETWEEN PROPOSED SUPERCHARGERS	DC BUS BETWEEN PROPOSED SUPERCHARGERS	[2 SETS:] (2) 500MCM AL (XHHW-2) (1) 1/0 CU GROUND & (1) 3/0 AWG AL DC MID 1000V RATED IN 4" PVC
5	PROPOSED TESLA SUPERCHARGER	PROPOSED TESLA POST (TYP.-8)	[1 SET PER CHARGE POST:] (4) 350MCM AL (XHHW-2) (1000V RATED) (1) #1 AWG CU EGC & COMM CABLE (600V RATED) (PER TESLA) IN 4" PVC CONDUIT
6	PROPOSED CT CABINET: OUTGOING	PROPOSED 30A SERVICE DISCONNECT	(2) #2 AL & (1) #6 AL NEUT IN 1-1/4" PVC CONDUIT
7	PROPOSED 30A SERVICE DISCONNECT	PROPOSED TESLA SITE CONTROLLER	(2) #10 AL & (1) #12 CU GND IN 3/4" PVC CONDUIT
8	PROPOSED TESLA SITE CONTROLLER	PROPOSED TESLA SUPERCHARGER	CAT5E IN 1" PVC CONDUIT

NOTES:

- CONDUCTOR LENGTHS ARE ESTIMATES ONLY. FINAL CONDUCTOR ROUTING PATH AND LENGTHS SHALL BE DETERMINED BY THE CONTRACTOR IN THE FILED BASED ON PHYSICAL MEASUREMENTS. CONTRACTOR TO ORDER CONDUCTORS BASED ON FIELD MEASUREMENTS (MUST BE APPROVED BY TESLA INSTALLATION MANAGER).
- ALL ELECTRICAL WORK AND RELATED ACTIVITIES PERFORMED ON-SITE SHALL BE DONE IN ACCORDANCE WITH NATIONAL ELECTRIC CODE (NEC) AND UTILITY COMPANY STANDARDS.
- ALL CONDUCTORS TO RECEIVE ANTI-OXIDATIVE COATING DURING INSTALLATION.
- DC RUN LENGTH MAXIMUM IS 320' INCLUDING BURIED DEPTH. ANY DC RUN LENGTHS OVER THE MAXIMUM SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF TESLA.
- UTILITY EQUIPMENT INSTALLATIONS AND PREP WORK SHALL BE COORDINATED WITH THE APPROPRIATE UTILITY ENGINEER AT TIME OF PRE CONSTRUCTION MEETING TO ENSURE ACCURACY OF INSTALLATION.
- UTILITY CONDUITS, CONNECTORS, TRANSFORMER PAD & TRANSFORMER FOUNDATION TO BE INSTALLED PER UTILITY SPECIFICATION. CONFIRM LATEST SPECIFICATIONS PRIOR TO CONSTRUCTION.
- EXISTING UNDERGROUND UTILITIES LOCATED WITHIN AREA OF PROPOSED TRENCH & EQUIPMENT SITE AREA. HAND DIG AND RELOCATE AS REQUIRED.
- CONTRACTOR RESPONSIBLE FOR ALL TRAFFIC SAFETY MEASURES THROUGHOUT DURATION OF CONSTRUCTION. COORDINATE ANY ACCESS ROAD CLOSURES W/OWNER.
- CONTRACTOR TO PROVIDE EMERGENCY SIGNAGE TO BE LOCATED ON PROPOSED H-FRAME FOR DESIGNATION OF UTILITY POWER SHUT-OFF AND EMERGENCY CONTACT INFORMATION.



- NOTES:
- NEUTRAL MUST BE INCLUDED FOR PROPER OPERATION OF TESLA SUPERCHARGERS.
  - NEUTRAL IS NOT TO BE BONDED TO EQUIPMENT GROUND.
  - ALL CONDUCTORS TO RECEIVE ANTI-OXIDATIVE COATING DURING INSTALLATION.

SYSTEM ONE-LINE DIAGRAM  
SCALE: N.T.S.

UTILITY S.O.W. RESPONSIBILITIES

SCOPE OF WORK	BY UTILITY	BY CONTRACTOR
PROVIDE & INSTALL UTILITY TRANSFORMER	X	
PROVIDE & INSTALL UTILITY TRANSFORMER PAD & ASSOCIATED GROUNDING	X	
PROVIDE & INSTALL SECONDARY CONDUITS & CONDUCTORS (TO LINE SIDE OF CT CABINET)	X	
PROVIDE & INSTALL H-FRAME MOUNTED UTILITY CT CABINET	X	
PROVIDE & INSTALL H-FRAME MOUNTED UTILITY SOCKET		X
TERMINATE SECONDARY CONDUCTORS W/IN CT CABINET	X	
PROVIDE UTILITY METER W/IN SOCKET	X	

BREAKER TRIP SETTINGS

600A SUPERCHARGER BREAKER:  
- FIXED TRIP=600  
- INST. TRIP (Im) = 10

UTILITY FAULT CURRENT

TRANSFORMER: 750 KVA  
SECONDARY VOLTAGE: 277/480V  
SECONDARY FAULT CURRENT: 22,680 A

\* FAULT CURRENT INFORMATION PROVIDED BY DOMINION POWER ON XX/XX/XX.