CHARGING STATION 15315 WASHINGTON STREET (TESLA STATION) HAYMARKET, VA 20169





TISLA



PROPERTY DESCRIPTION:

Beginning at an iron pipe set on the easterly right-of-way of Rout 15 (variable width) said point being N4851'40⁷E, 60.65' from an iron pipe found at the northwesterly corner of the now or formerly Annandale Millwork Corporation property and southwesterly corner of the now or formerly Rex M. Phares Trustee property, thence with teh easterly right-of-way of Rout 15 the following courses and distances:

N48'51'40"E 200.35' to a P.K. nail found N87'19'02"E 194.33' to a P.K. nail found N33'32'52"E 15.00' to a P.K. nail found

at an intersection of the Rout 15 right-of-way with the southerly right-of-way of Route 55 (80' wide); thence with the southerly right-of-way of Route 55, S56:27(08'E 200.00' to an iron pipe set; thence leaving the Route 55 right-of-way and running through the now or formerly Haymarket 55 Associates Limited Partnership property the following courses and distances:

S50°50'34"W 376.24' to an iron pipe set; N49°32'05"W 300.00 to the point of;

beginning and containing 2.25794 acres or 98,356 square feet of land.

Together with a non-exclusive right of way for the purpose of ingress/egress from Route 15 to Lot 1 over the "60' ingress/egress easement hereby granted" as shown on the plot attached to the Deed of Subdivision recorded in Deed Book 2115 at page 1050 in the aforesaid Clerk's Office.

Per that Deed recorded February 22, 1994 in Book 2115 Page 1065 in the records of Prince William County, Virginia.

SCHEDULE B2 EXCEPTIONS:

Item No.

- SUBJECT TO DEED OF SUBDIVISION AND DEED OF EASEMENTS FROM HAYMARKET 55 ASSOCIATES LIMITED PARTNERSHIP TO THE BOARD OF COUNTY SUPERVISIORS OF PRINCE WILLIAM COUNTY, VIRGINIA AND PRINCE WILLIAM COUNTY SERVICE AUTHORITY AS SET FORTH IN BOOK 2115, PAGE 1050, RECORDED 02/25/1994, PRINCE WILLIAM COUNTY RECORDS.
 GRANTOR: Hoymorket 55 Associates GRANTEE: Prince William County -AFFECTS SURVEY AREA, SHOWN HEREON.
- SUBJECT TO RIGHT OF WAY AGREEMENT FROM STEICO INCORPORATED TO VIRGINIA ELECTRIC AND POWER COMPANY AS SET FORTH IN BOOK 2155, PAGE 606, RECORDED 06/08/1994, PRINCE WILLIAM COUNTY RECORDS. GRANTOR: STEICO Incorporated GRANTEE: Virginia Electric and Power Company. -AFFECTS SURVEY AREA, SHOWN HEREON.
- 3. SUBJECT TO EASEMENT TO CONTEL OF VIRGINIA (DBA) GTE VIRGINIA AS SET FORTH IN BOOK 2160, PAGE 350, RECORDED 06/24/1994, PRINCE WILLIAM COUNTY RECORDS. GRANTOR: STEICO Incorporated GRANTEE: CONTEL of VIRGIN -AFFECTS SURVEY AREA, NO MATHEMATICAL DESCRIPTION AVAILABLE.
- 4. SUBJECT TO WATER LINE EASEMENT FROM STEICO, INC. TO PRINCE WILLIAM COUNTY SERVICE AUTHORITY AS SET FORTH IN BOOK 2413, PAGE 1219, RECORDED 02/04/1997, PRINCE WILLIAM COUNTY RECORDS. GRANITOR: STEICO Incorporated GRANTEE: Prince William County Service Authority -AFFECTS SURVEY AREA, SHOWN HEREON.
- SUBJECT TO NOTICE OF ORDER AND JUDGMENT REGARDING EASEMENTS IN FAVOR OF CLASS CORRIDOR, L.C., AS SET FORTH IN INST# 200506070091682 RECORDED 06/07/2006, PRINCE WILLIAM COUNTY RECORDS. -NOT SURVEY RELATED.
- 6. SUBJECT TO DEED OF ASSIGNMENT OF CABLE SIDE SETILEMENT CORRIDOR EASEMENTS FROM CLASS CORRIDOR, LL.C. TO THOROUGHBRED TECHNOLOGY AND TELECOMMUNICATIONS AS SET FORTH IN INST# 200511170198600 RECORDED 11/17/2006, PRINCE WILLIAM COUNTY RECORDS. GRANITOR: Class Corridor, LLC GRANITE: Thoroughbred Technology and Telecommunications. -AFFECTS SURVEY AREA, DESCRIPTION UNCLEAR.

Items not listed above are determined non-survey related items and are not plotted hereon.

NOTES:

- 5. Elevations are based on NAVD 88 datum
- 6. BENCHMARK: Iron Pipe, as shown. Elevation: 368.37' (NAVD 88).
- 8. Field work for this survey was completed on May 24, 2018.

SURVEYOR'S STATEMENT:

FOR REFERENCE ONLY NOT TO SCALE

hull E. if For and on behalf of Clark Land Surveyor No. 2588 For and on behalf of Clark Land Surveyor, Inc.

06/05/18



This statement is neither a warranty nor a guarantee, either expressed or implied.

On the basis of my knowledge, information and belief, I hereby state and declare that this drawing was prepared under my direct supervision to the standard of care of surveyors practicing in the State of Virginia and that the information shown hereon is true and correct to the best of my knowledge and belief.

This site is zoned 'I--1' (Industrial) per town of nymerce rooming separate Building Setbacks: Front: 10', Side: 0', Rear: 0' No zoning information provided by the client. Zoning setbacks shown hereon are the interpretation of the surveyor. For clarification of exact zoning designations and setback locations, please, contact the Town of Haymarket Planning and Zoning Department at (703)753-2600.

9. This site is zoned "I-1" (Industrial) per Town of Haymarket Planning Department.

BASIS OF BEARINGS: Bearings are relative to those described in that Deed, recorded in Book 2115, Page 1050 of the Official Public Records of Prince William County, Virginia.

4. This survey does not constitute a title search by Clark Land Surveying, Inc. to determine ownership or easements of record. For all information regarding easements, rights of way and title of record, Clark Land Surveying, Inc. relied upon a Search Report, prepared by AMC Settlement Services with an order number of 11731805, dated May 10, 2018.

FEDERAL EMERGENCY MANAGEMENT AGENCY, FEMA FIRMette published May 21, 2018, referencing Flood Insurance Rate Map, Map Number 51153200590 effective date January 5, 1995, indicates this parcel of Iand is located in Zone X (Area of minimal flood hozard).

2. Any underground utilities shown have been located from field survey information. The surveyor makes no guarantee that the underground utilities shown comprise all such utilities in the area, either in service or obandoned. The surveyor further does not warrant that the underground utilities shown are in the exact location indicated although he does certify that they are located as accurately as possible from the information available.

This is a topographic map. This is not a boundary survey and is only intended to depict those topographic features or improvements shown. The property lines shown are record lines only and are shown for graphical reference only.

				177 S. Tiffany Dr., Unit 1 • Pueblo West, CO 81007 • 719,582,1270	www.clarkls.com	
	Date					
	By					
Revisions	Description					
	No.					
		SITE NAME.		riayiilaiket, vA		
Υ.L.	151		.T.	COUNTY, VIRGINIA	Date: 06/05/2018	Sheet 2 of 2
	VGRAPHIC SURV	A PORTION OF	15 WASHINGTON STREET	RET, PRINCE WILLIAM C	Drawn By: LMS	Checked By: REN
C F	TOPC		153	TOWN OF HAYMAR	act 4 00 4 7 7	1004//

Proj.



LEGEND SITE BENCHMARIK SS SANITARY MANHOLE SS SANITARY CLEANOUT STORM MANHOLE STORM STORM STORMER STORM STORM STORMER STORM STORM STORMER STORM STORM STORM STORMER STORM STORM STORM STORMER STORM STO	Date 				
HANDICAP PARKING TRAFFIC SIGNAL CONTROL BOX TRAFFIC SIGNAL CONTROL BOX TRAFFIC SIGNAL CONTROL BOX TRAFFIC SIGNAL CONTROL BOX DECIDUOUS TREE IF FLAG POLE LS LANDSCAPED AREA IF SIGN SIG	Revisions	No. Description By			
SMT. N: 7298-70-4485 NNER: ARCHLAND PROPERTY LLC			SITE NAME:	riayillarket, VA	
GRAPHIC SCALE FOR REFERENCE ONLY NOT TO SCALE 1 inch = 20 ft.	TOPOGRAPHIC SURVEY		A PORTION OF 15315 WASHINGTON STREET	WN OF HAYMARKET, PRINCE WILLIAM COUNTY, VIRGINIA	180477 Drawn By: LMS Date: 06/05/2018 Checked By: REN Sheet 2 of 2





GENERAL SHEET NOTES			FE			
1. NEUTRAL MUST BE INCLUDED FOR PROPER OPERATION OF TESLA SUPERCHARGERS.			FROM	TO CONFIGURATION		
2.	PROPOSED UTILITY CTs SHALL BE LOCATED IN UTILITY APPROVED CT COMPARTMENTS MOUNTED ON H-FRAME. PROPOSED METER SHALL BE MOUNTED ON H-FRAME.	1	UTILITY TRANSFORMER/ METERING	PROPOSED SERVICE EQUIPMENT;INCOMING	(3) 500 MCM AI (XHHW-2, 90°C) (1) 500 MCM AI NEUT (XHHW-2, 90°C) IN EACH (3) 4" PVC CONDUITS	
3.	SEE SHEET E-4 FOR PANEL SCHEDULES.		PROPOSED SERVICE	PROPOSED SERVICE EQUIPMENT; 800A	FACTORY INSTALLED 800A BUSS	
4.	ALL CONDUIT FURNISHED AND INSTALLED BY CONTRACTOR. ALL WIRING FURNISHED BY TESLA AND INSTALLED BY CONTRACTOR.		PROPOSED SERVICE	TRIP MAIN BREAKER	(BY MANUFACTURER) FACTORY INSTALLED	
5.	ALL BUSHINGS AND INTERNAL WIRING OF PROPOSED SERVICE EQUIPMENT PROVIDED BY MANUFACTURER. ANY MODIFICATIONS SHALL REQUIRE ENGINEERING APPROVAL PRIOR TO ANY CHANGES BEING MADE.	3	EQUIPMENT; 800A TRIP MAIN BREAKER	EQUIPMENT; BRANCH CIRCUIT DISTRIBUTION I-LINE PANEL	800A BUSS (BY MANUFACTURER)	
6. 7	VERIFY AVAILABLE FAULT CURRENT AT THE SECONDARY OF THE UTILITY TRANSFORMER WITH THE POWER COMPANY. CONDUCT A FAULT CURRENT ANALYSIS TO DETERMINE THE INTERRUPTING CAPACITY (AIC RATING) OF THE ELECTRICAL EQUIPMENT.		PROPOSED SERVICE EQUIPMENT; I-LINE PANEL	PROPOSED TESLA AUTOTRANSFORMERS 1-4	(3) 350 MCM AI (THWN-2) (1) 350 MCM AI NEUT (THWN-2) (1) #4 AWG Cu GND	
7.	STANDARDS 1584. CONTRACTOR SHALL OBTAIN ALL NECESSARY INFORMATION FROM POWER COMPANY TO CALCULATE FLASH PROTECTION BOUNDARIES, INCIDENT ENERGY LEVELS, AND SHALL DETERMINE MINIMUM PPE REQUIREMENTS FOR COMPLETING THE WARNING LABELS. PROVIDE WARNING LABELS CONTAINING ALL THE LATEST INFORMATION AS REQUIRED BY LOCAL JURISDICTION, STATE AND FEDERAL CODES AND LAWS	5	PROPOSED TESLA AUTOTRANSFORMERS 1-4	PROPOSED TESLA CHARGING CABINETS 1-4	(3) 350 MCM AI (THWN-2) (1) 350 MCM AI NEUT (THWN-2) (1) #4 AWG Cu GND IN 3" PVC CONDUIT.	
8.	LL ALUMINUM (AI) CONDUCTORS TO RECEIVE ANTI-OXIDATIVE COATING DURING INSTALLATION. ALL OTHER CONDUCTORS ARE OPPER UNLESS NOTED OTHERWISE.		PROPOSED TESLA	PROPOSED TESLA	PARALLEL SET- (4) 250 MCM AI (THWN-2 OR RW90)	
9.	ALL CONDUITS ACCESSIBLE TO THE GENERAL PUBLIC OR WHICH CONDUITS CAN BE DAMAGED SHALL BE RIGID GALVANIZED STEEL.	$ ^{\odot}$	CHARGING CABINETS 1-4	CHARGING POSTS 1-8	(1) #3 AWG CU GND (1) 600V COMM CABLE	
10.	 THE CHARGING CABINETS AND THE CHARGING POSTS USED ON THIS PROJECT COMPLY WITH THE FOLLOWING STANDARDS: IEC 61851-23 : 2014 / EN 61851 -23: 2014 UL 2202: 2009 (R2012) CAN CSA C22.2 NO. 107.1-01 (R2011) 	7	SERVICE GEAR POWER SUPPLY THRU 5 KVA TRANSFORMER (BY MANUFACTURER)	PROPOSED 8 CKT DISTRIBUTION PANEL CIRCUIT, 15A/2P, 120/240V (BY MANUFACTURER)		
11.	THE AFOREMENTIONED STANDARDS IDENTIFY THE REQUIREMENTS MET BY THE EQUIPMENT, INCLUDING BUT NOT LIMITED TO : • PROTECTION AGAINST ELECTRIC SHOCK • OVERLOAD AND SHORT CIRCUIT PROTECTION • FAULT PROTECTION	8	PROPOSED 8 CKT DISTRIBUTION PANEL CIRCUIT, 15A/2P, 120/240V	PROPOSED 20A GFCI DUPLEX OUTLET	FACTORY INSTALLED CABLING (BY MANUFACTURER)	
	 DEGREES OF PROTECTION AGAINST ACCESS TO HAZARDOUS LIVE PARTS THE INTERNAL COMPONENTS OF THE SYSTEM ARE PROPRIETARY. ANY QUESTIONS CONCERNING ACTUAL INTERNAL PROTECTIVE DEVICES MUST BE COORDINATED DIRECTLY WITH TESLA. 					
12.	DC RUN LENGTHS BETWEEN 160' AND 270' SHALL INCLUDE (1) COAXIAL CABLE FOR THE PILOT SIGNAL. SEE FEEDER SCHEDULE. ANY DC RUN LENGTHS BEYOND 270' IS NOT CONSTRUCTIBLE.]	- PROPOSED 800A S 480/277V, 3Ø, 4W, 6	SERVICE EQUIPMENT 65 KAIC.	PROPOSED 800A 480/277V, 3Ø, 4W MAIN I-LINE PANEL 'MDP' WITHIN SERVICE EQUIPMENT	5KVA STEP-DC PRI: 480V SEC: 120/240V
					(BY MANUFACTURER)	(PROVIDED BY
	TRANSFORMER WITHOUT		/	r	<u></u>	
	480/277V, 3Ø, 4W (BY UTILITY)			· · · · · •		
			2			PANE
			a) ^{800/3} 100% RATED			120/240, 10 DISTRIBUT WITHIN EQUI
	(PER UTILITY) SEE NOTE 2			MAIN DISCONNECT SWITCH		
					TO PROPOSED 8 CKT	
			<u></u>			
				(4)		
	BREAKER TRIP SETTINGS:					
	MAIN BREAKER 'NGC': - LR = G - TR = 10				PROPOSED 160 KVA 480V 3-PHASE AUTOTRANSFORMI (TOTAL OF 4)	ERS
	- LSD = 3 - TSD = INST - LI = 10	#3/N A\A!			INTEGRAL 192A FUSE	
Г	LG = 0.2 TG = INST COND	GROUN UCTOR F	IDING ELECTRODE PER NEC 250.66 (A)			
	TESLA CHARGING CABINET & POST ELECTRICAL SPECIFICATIONS SUPERCHARGER BREAKERS MODEL INPUT VOLTAGE AC INPUT CURRENT DC OUTPUT CURRENT SUPERCHARGER BREAKERS	(2) 5 Cl			CABINET (TOTAL OF 4)	
	MODEL TO CABINET TO CABINET TO CHARGE POST - THERMAL CURVE = FIXED (NO ADJUSTMENT) 420/(M) 420/(192A 320A - INST = 5	250.62, 2	250.64, AND 250.68.	<u>5'-0"</u>	PROPOSED VEHICLE CHARC POST (TOTAL OF 8)	JING
	12UKW 48UV 192A 33UA IF S	PACE IS	LIMITED, MEET 6'-0"	EAL CING		

SYSTEM ONE-LINE DIAGRAM

