



BRIDGEWATER WAWA

SITE ADDRESS:
580 UNION AVE
BRIDGEWATER, NJ 08807
TRT ID: 14532




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

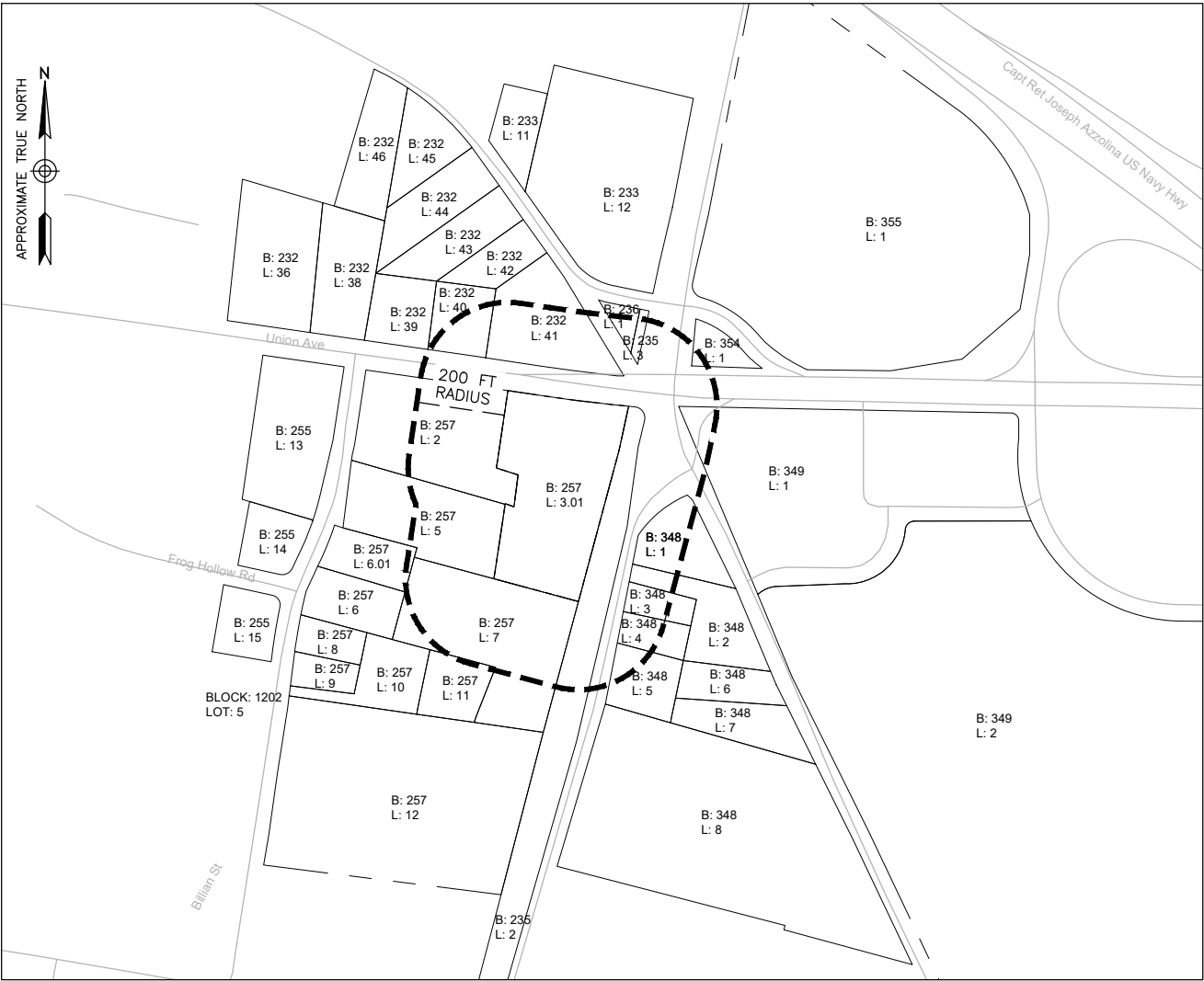


Dewberry Engineers Inc.
600 PARSIPPANY ROAD
SUITE 301
PARSIPPANY, NJ 07054
PHONE: 973.739.9400
FAX: 973.739.9710
COA: 24GA28047600



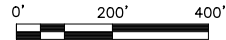
DAVID E. REVETTE, P.E.
NJ LICENSE No. 24GE05408600

SITE INFORMATION	APPLICABLE CODES	PROJECT DESCRIPTION	ZONING INFORMATION	DRAWING INDEX																																																									
<p>PROPOSED TESLA EV SITE ADDRESS: 580 UNION AVE BRIDGEWATER, NJ 08807</p> <p>PROPERTY OWNER: WAWA INC. MEDIA, PA 19063</p> <p>PARCEL ID: BLOCK: 257 LOT: 3 & 4</p> <p>POWER COMPANY: PSE&G SAM SMITH samuel.smith@pseg.com (732)-764-3239 WORK ORDER: 500744697</p> <p>COUNTY: SOMERSET COUNTY</p> <p>LATITUDE*: 40° 34' 01.46" N</p> <p>LONGITUDE*: 74° 33' 50.08" W *BASED ON GOOGLE EARTH</p> <p>CONTACT ENGINEER: DAVID REVETTE, P.E. DEWBERRY ENGINEERS INC. (973) 576-9639 drevette@Dewberry.com</p>	<p>ALL WORK SHALL COMPLY WITH THE FOLLOWING APPLICABLE CODES:</p> <p>NEW JERSEY UNIFORM BUILDING & ENERGY CODES, CONSISTENT WITH THE FOLLOWING CODES:</p> <p>2018 INTERNATIONAL BUILDING CODE (IBC) W/ AMENDMENTS 2018 INTERNATIONAL ENERGY CONSERVATION CODE W/ AMENDMENTS 2017 NATIONAL ELECTRIC CODE (NEC)</p> <p>IN THE EVENT OF CONFLICT, THE MOST RESTRICTIVE CODE SHALL PREVAIL.</p>	<ul style="list-style-type: none">INSTALL (2) TESLA V3 SUPERCHARGER CABINETSINSTALL (8) TESLA CHARGING POSTSINSTALL (1) 1200A, 480V SWITCHGEARINSTALL UTILITY TRANSFORMERINSTALL (1) AIR PUMP WITH PROTECTIVE BOLLARDS	<p>MUNICIPALITY: BRIDGEWATER TOWNSHIP</p> <p>BLOCK: 257</p> <p>LOTS: 3 & 4</p> <p>ZONING: M-1A: MANUFACTURING ZONE</p>	<table><thead><tr><th>SHT. NO.</th><th>SHEET TITLE</th></tr></thead><tbody><tr><td>T-1</td><td>TITLE SHEET</td></tr><tr><td>Z-1</td><td>TAX MAP, AERIAL & ZONING SCHEDULE</td></tr><tr><td>Z-2</td><td>LIST OF PROPERTY OWNERS & UTILITIES</td></tr><tr><td>Z-3</td><td>SITE PLAN</td></tr><tr><td>Z-4</td><td>EXISTING CONDITIONS PLAN</td></tr><tr><td>Z-5</td><td>EQUIPMENT & PARKING PLAN</td></tr><tr><td>Z-6</td><td>EQUIPMENT & PARKING ELEVATION</td></tr><tr><td>Z-7</td><td>CONSTRUCTION DETAILS</td></tr></tbody></table>	SHT. NO.	SHEET TITLE	T-1	TITLE SHEET	Z-1	TAX MAP, AERIAL & ZONING SCHEDULE	Z-2	LIST OF PROPERTY OWNERS & UTILITIES	Z-3	SITE PLAN	Z-4	EXISTING CONDITIONS PLAN	Z-5	EQUIPMENT & PARKING PLAN	Z-6	EQUIPMENT & PARKING ELEVATION	Z-7	CONSTRUCTION DETAILS	<table><thead><tr><th colspan="3">SUBMITTALS</th></tr><tr><th>REV.</th><th>DATE</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td>2</td><td>03/16/21</td><td>REVISED LOCATION</td></tr><tr><td>1</td><td>10/27/20</td><td>ISSUED FOR ZONING</td></tr><tr><td>0</td><td>10/21/20</td><td>FINAL REVIEW</td></tr><tr><td>B</td><td>09/11/20</td><td>ISSUED FOR 90% REVIEW</td></tr><tr><td>A</td><td>09/01/20</td><td>ISSUED FOR 50% REVIEW</td></tr></tbody></table> <table><thead><tr><th colspan="2">SITE NAME:</th></tr><tr><td colspan="2">BRIDGEWATER WAWA (TRT ID: 14532)</td></tr><tr><th colspan="2">SITE ADDRESS:</th></tr><tr><td colspan="2">580 UNION AVE BRIDGEWATER, NJ 08807</td></tr><tr><th colspan="2">SHEET TITLE</th></tr><tr><td colspan="2">TITLE SHEET</td></tr><tr><th colspan="2">SHEET NUMBER</th></tr><tr><td colspan="2">T-1</td></tr></thead></table>		SUBMITTALS			REV.	DATE	DESCRIPTION	2	03/16/21	REVISED LOCATION	1	10/27/20	ISSUED FOR ZONING	0	10/21/20	FINAL REVIEW	B	09/11/20	ISSUED FOR 90% REVIEW	A	09/01/20	ISSUED FOR 50% REVIEW	SITE NAME:		BRIDGEWATER WAWA (TRT ID: 14532)		SITE ADDRESS:		580 UNION AVE BRIDGEWATER, NJ 08807		SHEET TITLE		TITLE SHEET		SHEET NUMBER		T-1	
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<p>CONTRACTOR NOTE</p> <p>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.</p>		<p>AERIAL MAP</p>		<p>LOCATION MAP</p>		<p>TOWNSHIP SIGNATURES/APPROVAL</p> <table><tbody><tr><td>PLANNING BOARD CHAIRMAN</td><td>SIGNATURE</td></tr><tr><td>PLANNING BOARD SECRETARY</td><td>SIGNATURE</td></tr><tr><td>TOWNSHIP ENGINEER</td><td>SIGNATURE</td></tr></tbody></table> <p>BEFORE SCALING</p> <p>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.</p> <p>CALL BEFORE YOU DIG</p> <p> NEW JERSEY ONE CALL 811 OR 1-800-272-1000 3 WORKING DAYS UTILITY NOTIFICATION PRIOR TO CONSTRUCTION</p>		PLANNING BOARD CHAIRMAN	SIGNATURE	PLANNING BOARD SECRETARY	SIGNATURE	TOWNSHIP ENGINEER	SIGNATURE																																																
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PARTIAL TAX MAP

SCALE: 1"=400' FOR 11"x17"
1"=200' FOR 22"x34"

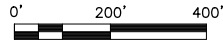


1



AERIAL

SCALE: 1"=400' FOR 11"x17"
1"=200' FOR 22"x34"



2

	M-1A ZONE REQUIRED	SERVICE STATION CONDITIONAL USE	EXISTING	PROPOSED	REMARKS
MIN. LOT AREA :	217,800 S.F. (5 Ac.)	80,000 S.F.	102,966 S.F. (2.4 Ac.)	102,966 S.F. (2.4 Ac.)	NO CHANGE
MIN. LOT WIDTH :	200 FT	200 FT	283.39'	283.39'	NO CHANGE
MIN. FRONT YARD SETBACK :	100 FT	N/A	49.4' (TO CANOPY) 156.8' (TO BLDG.)	49.4' (TO CANOPY) 156.8' (TO BLDG.) 375.2' (TO EV STATION)	NO CHANGE
MIN. SIDE YARD SETBACK :	50 FT	50 FT	54.2' (TO CANOPY) 61.9' (TO BLDG.)	54.2' (TO CANOPY) 61.9' (TO BLDG.) 52.75' (TO EV STATION)	CONFORMING
MIN. SIDE YARD SETBACK : (COMBINED)	100 FT	100 FT	145' (TO CANOPY) 130.3' (TO BLDG.)	145' (TO CANOPY) 130.3' (TO BLDG.) 138.9' (TO EV STATION)	NO CHANGE
MIN. REAR YARD SETBACK :	75 FT	75 FT	197.2' (TO BLDG.)	197.2' (TO BLDG.) 43.75' (TO EV STATION)	NON-CONFORMING
MAX. BUILDING HEIGHT :	45' / 3 STORIES	N/A	31' / 2 STORIES 25'-3" CANOPY	31' / 2 STORIES 25'-3" CANOPY	NO CHANGE
MAX. FLOOR AREA RATIO :	0.35	N/A	0.05 (5,585 S.F.)	0.05 (5,585 S.F.)	NO CHANGE
MAX. IMPROVED LOT COVERAGE :	60%	60%	63.8% (65,686 S.F.) (V)	65.8% (67,770 S.F.) (V)	EXISTING NON-CONFORMING

NOTE:

1. PROPERTY INFORMATION BASED ON APPROVED SITE PLAN BY BOHLER ENGINEERING TITLED "PROPOSED FOOD MARKET & GASOLINE STATION BLOCK 257; LOTS 3 & 4" DATED 2/26/14.

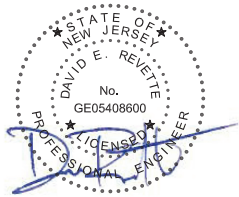


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DAVID E. REVETTE, P.E.
NJ LICENSE No. 24GE05408600

DRAWN BY: GFS

CHECKED BY: DER

APPROVED BY: DER

PROJECT #: 50123704

JOB #: 50127335

SUBMITTALS

REV.	DATE	DESCRIPTION
2	03/16/21	REVISED LOCATION
1	10/27/20	ISSUED FOR ZONING
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SITE NAME:

BRIDGEWATER WAWA
(TRT ID: 14532)

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580 UNION AVE
BRIDGEWATER, NJ 08807

SHEET TITLE

TAX MAP, AERIAL &
ZONING SCHEDULE

SHEET NUMBER

Z-1

ADJACENT PROPERTY LISTING			APPLICANT: 200' from Block 257, Lot 3.01	
TAKING DISTRICT 06 BRIDGEWATER TWP			COUNTY 18 SOMERSET	
PROPERTY ID	PROPERTY LOCATION	CLASS	OWNERS NAME & ADDRESS	
232 40	573 UNION AVE	4A	DI LORENZO PROPERTIES LLC 495 KING GEORGE RD. BASKING RIDGE, NJ 07920	
232 41	UNION AVE/PARKING LOT	1	EDISON CORP C/O BTNEWYO,LLC-CORP RE 55 GLENLAKE PARKWAY, NE ATLANTA, GA 30328	
235 2	CHIMNEY ROCK RD	5A	CONSOLIDATED RAIL CORP PO BOX 8499 PHILADELPHIA, PA 19101.8499	
235 3	CHIMNEY ROCK RD	15C	COUNTY OF SOMERSET PO BOX 3000 SOMERVILLE, NJ 08876.1262	
257 2	564 UNION AVE	4A	CHIMNEY ROCK PLAZA LLC 2560 US HWY 22 S227 SCOTCH PLAINS, NJ 07076	
257 5	136 BILLIAN STREET	4A	R & S REALTY CO INC. 136 BILLIAN ST BRIDGEWATER, NJ 08807.3125	
257 6.01	128 BILLIAN STREET	2	KUZNETSOV, ROMAN & ABOLENSKAYA, E. 128 BILLIAN STREET BRIDGEWATER, NJ 08807	
257 7	123 CHIMNEY ROCK RD	4B	NEW JERSEY PLANT LLC, 14476 DUVAL PL W STE 701 JACKSONVILLE, FL 32218.9415	
257 11	117 CHIMNEY ROCK RD	1	NEW JERSEY PLANT LLC, 14476 DUVAL PL W STE 701 JACKSONVILLE, FL 32218.9415	
348 1	155 FOOTHILL ROAD	4A	SCHAAL, KENNETH C 480 JAVES ROAD MILFORD, NJ 08848	
348 2	149 FOOTHILL RD	4A	MARTINEZ SAMAYOA, ANIBAL SALOMON 149 FOOTHILL RD BOUND BROOK, NJ 08805	
348 3	124 CHIMNEY ROCK RD	2	CZERNIKOWSKI, JOHN J. 738 MILL LN HILLSBOROUGH, NJ 08844.3318	
348 4	122 CHIMNEY ROCK RD	2	CZERNIKOWSKI, STEPHEN 122 CHIMNEY ROCK RD. BRIDGEWATER, NJ 08807	
348 5	118-120 CHIMNEY ROCK	2	SCHAAL, KENNETH C 480 JAVES ROAD MILFORD, NJ 08848	
349 1	PROMENADE BLVD	4A	KIR BRIDGEWATER 573, LLC %KIMCO 500 NORTH BROADWAY-ST 201 JERICHO, NY 11753	
354 1	ROUTE 28	15C	COUNTY OF SOMERSET PO BOX 3000 SOMERVILLE, NJ 08876.1262	

LIST OF PROPERTY OWNERS WITHIN 200'

SCALE: N.T.S.

1

Other utilities and agencies to contact.					
Block	Lot	Owner	Street Address	City, State	ZIP
9990	1	COUNTY OF SOMERSET	PO BOX 3000	SOMERVILLE, NJ	08876
9990	2	STATE OF NJ DOT	1035 PARKWAY AVE	EWING, NJ	08618
9990	3	CABLEVISION % CRAIG MCLEOD	275 CENTENNIAL AVE	PISCATAWAY, NJ	08854
9990	4	NJ-AMERICAN WTR CO%GIS SPVS-D SHORT	1025 LAUREL OAK RD	VOORHEES, NJ	08043
9990	5	PUBLIC SERVICE ELECTRIC & GAS	80 PARK PLZ # T6B	NEWARK, NJ	07102
9990	6	SUNOCO PIPELINE LP/RIGHT OFWAY DEPT	525 FRITZTOWN RD	SINKING SPRING, PA	19608

LIST OF UTILITY COMPANIES

SCALE: N.T.S.

2

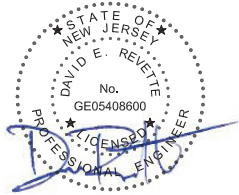


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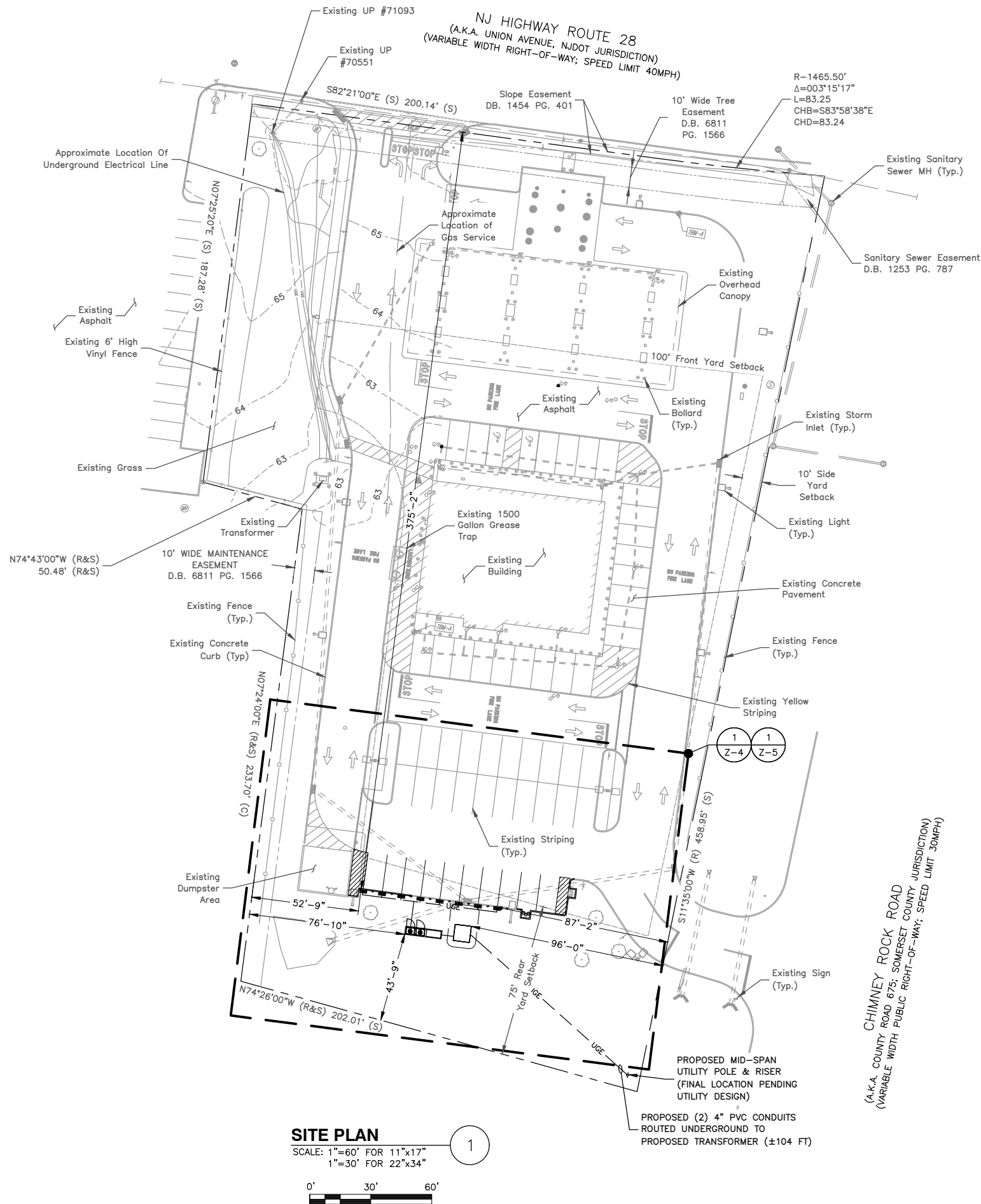
580 UNION AVE
BRIDGEWATER, NJ 08807

SHEET TITLE

LIST OF PROPERTY
OWNERS & UTILITIES

SHEET NUMBER

Z-2



NOTES:

1. SITE PLAN BASED ON PARTIAL BOUNDARY & TOPOGRAPHIC SURVEY, 580 UNION AVE BLOCK 257 LOTS 3 & 4 BRIDGEWATER TOWNSHIP SOMERSET COUNTY NEW JERSEY, BY CONTROL POINT ASSOCIATES INC DATED 6/25/2020.
2. UTILITY CONNECTION TO BE MADE UNDER PSE&G ELECTRIC UTILITIES STANDARDS, CONFIRM FINAL DESIGN PRIOR TO CONSTRUCTION, PSE&G ELECTRIC WORK ORDER: 500744697.
3. EXISTING UNDERGROUND UTILITIES LOCATED WITHIN AREA OF PROPOSED TRENCH & EQUIPMENT SITE AREA. HAND DIG AND RELOCATE AS REQUIRED.
4. EXISTING CUSTOMER OWNED ELECTRICAL CONDUIT TO BE RELOCATED AS NEEDED DURING CONSTRUCTION.
5. EXISTING STORM DRAIN INLETS TO BE COVERED WITH SILT BAG DURING CONSTRUCTION.
6. STALL 2B CHARGE POST FOUNDATION TO BE POURED IN PLACE TO AVOID CONFLICT WITH STORM LINE.



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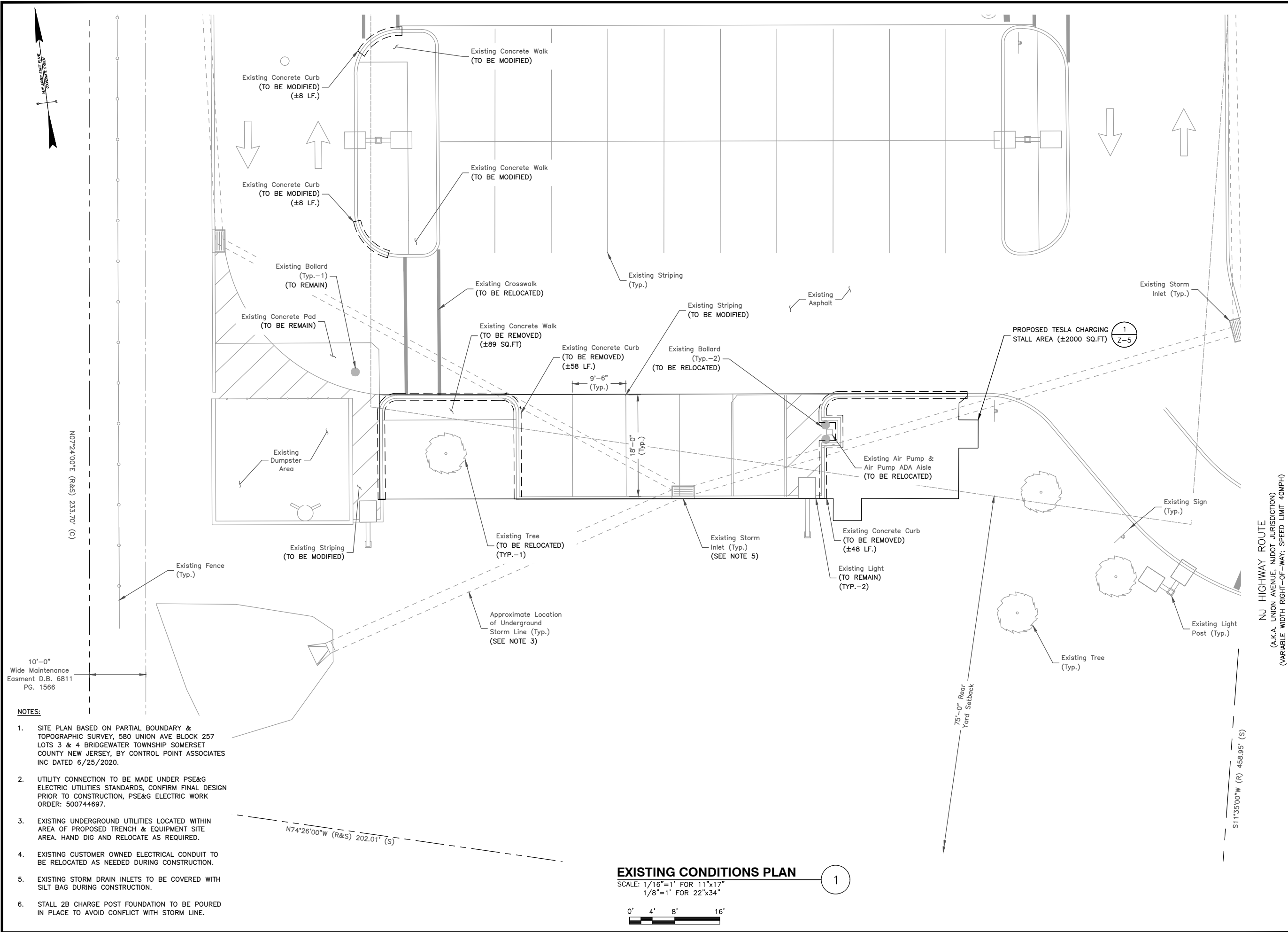
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SITE PLAN

SHEET NUMBER

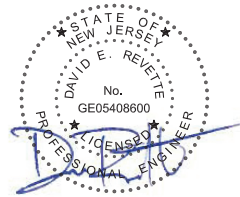
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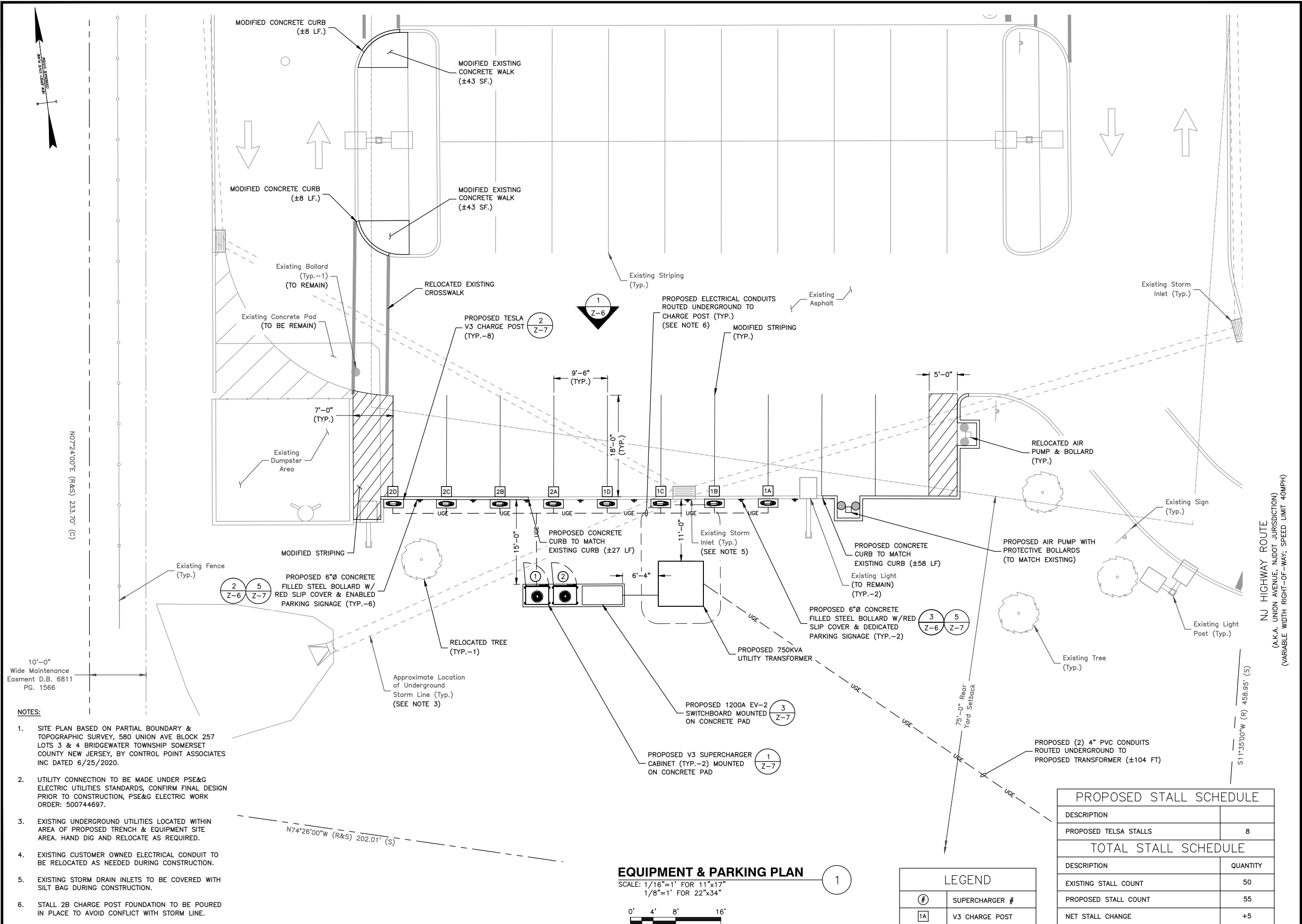
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SHEET TITLE

EXISTING
CONDITIONS PLAN

SHEET NUMBER

Z-4



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EQUIPMENT & PARKING PLAN

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

0' 4' 8' 16'

LEGEND	
①	SUPERCHARGER #
1A	V3 CHARGE POST

PROPOSED STALL SCHEDULE	
DESCRIPTION	
PROPOSED TELSAs	8
TOTAL STALL SCHEDULE	
DESCRIPTION	QUANTITY
EXISTING STALL COUNT	50
PROPOSED STALL COUNT	55
NET STALL CHANGE	+5

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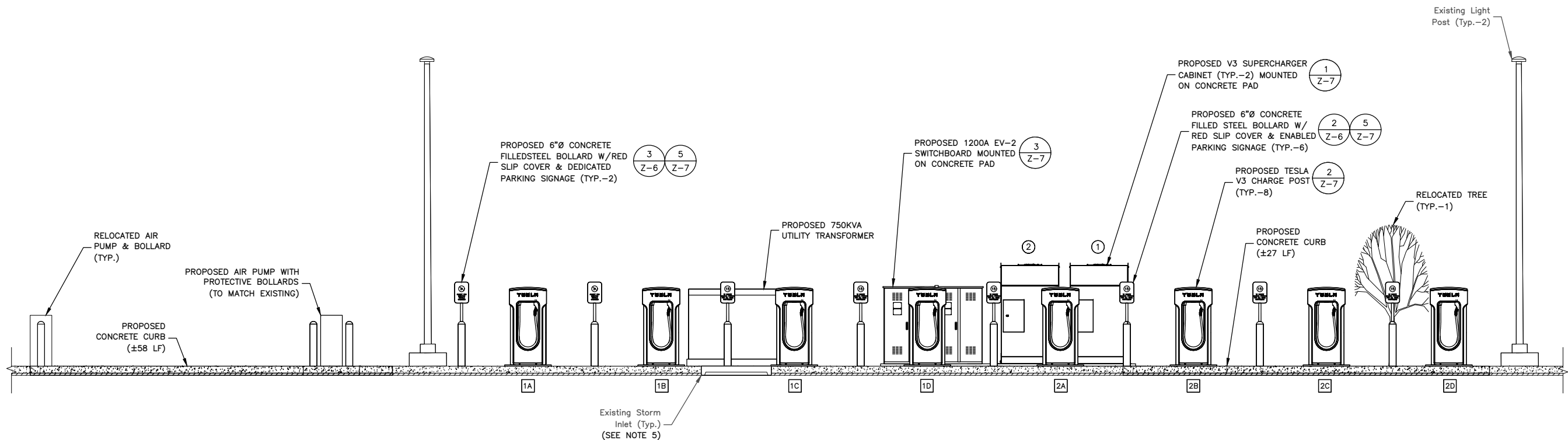
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SHEET TITLE
EQUIPMENT &
PARKING PLAN

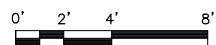
SHEET NUMBER
Z-5

NJ HIGHWAY ROUTE
(A.K.A. UNION AVENUE, NJDOT JURISDICTION)
(VARIABLE WIDTH RIGHT-OF-WAY; SPEED LIMIT 40MPH)



EQUIPMENT / PARKING ELEVATION

SCALE: 1/8"=1' FOR 11"x17"
1/4"=1' FOR 22"x34"



1



ENABLED SIGNAGE DETAIL

SCALE: N.T.S.

2



DEDICATED SIGNAGE DETAIL

SCALE: N.T.S.

3

PROPOSED STALL SCHEDULE

DESCRIPTION	
PROPOSED TSLA STALLS	8
TOTAL STALL SCHEDULE	
DESCRIPTION	QUANTITY
EXISTING STALL COUNT	50
PROPOSED STALL COUNT	55
NET STALL CHANGE	+5

LEGEND

#	SUPERCHARGER #
1A	V3 CHARGE POST

CHARGING POST CIRCUIT SCHEDULE

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

NOTES:

- SITE PLAN BASED ON PARTIAL BOUNDARY & TOPOGRAPHIC SURVEY, 580 UNION AVE BLOCK 257 LOTS 3 & 4 BRIDGEWATER TOWNSHIP SOMERSET COUNTY NEW JERSEY, BY CONTROL POINT ASSOCIATES INC DATED 6/25/2020.
- UTILITY CONNECTION TO BE MADE UNDER PSE&G ELECTRIC UTILITIES STANDARDS, CONFIRM FINAL DESIGN PRIOR TO CONSTRUCTION, PSE&G ELECTRIC WORK ORDER: 500744697.
- EXISTING UNDERGROUND UTILITIES LOCATED WITHIN AREA OF PROPOSED TRENCH & EQUIPMENT SITE AREA. HAND DIG AND RELOCATE AS REQUIRED.
- EXISTING CUSTOMER OWNED ELECTRICAL CONDUIT TO BE RELOCATED AS NEEDED DURING CONSTRUCTION.
- EXISTING STORM DRAIN INLETS TO BE COVERED WITH SILT BAG DURING CONSTRUCTION.
- STALL 2B CHARGE POST FOUNDATION TO BE POURED IN PLACE TO AVOID CONFLICT WITH STORM LINE.



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PALO ALTO, CA 94304
(650) 681-5000



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PARSIPPANY, NJ 07054
PHONE: 973.739.9400
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DAVID E. REVETTE, P.E.
NJ LICENSE No. 24GE05408600

DRAWN BY: GFS

CHECKED BY: DER

APPROVED BY: DER

PROJECT #: 50123704

JOB #: 50127335

SUBMITTALS

REV.	DATE	DESCRIPTION
2	03/16/21	REVISED LOCATION
1	10/27/20	ISSUED FOR ZONING
0	10/21/20	FINAL REVIEW
B	09/11/20	ISSUED FOR 90% REVIEW
A	09/01/20	ISSUED FOR 50% REVIEW

SITE NAME:

BRIDGEWATER WAWA
(TRT ID: 14532)

SITE ADDRESS:

580 UNION AVE
BRIDGEWATER, NJ 08807

SHEET TITLE

EQUIPMENT &
PARKING ELEVATION

SHEET NUMBER

Z-6



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- A plan view diagram showing the layout of the Charger Base and Concrete Footing. The Charger Base is an oval-shaped component with two circular openings, mounted on a rectangular Concrete Footing. The overall dimensions of the Concrete Footing are indicated as 3'-5" in width and 1'-7" in depth. Labels with arrows point to the 'CHARGER BASE', 'CONCRETE FOOTING', 'CAR SIDE', and 'PROTECTIVE SHEATHING'. The word 'PLAN' is centered below the diagram.

