



**To:** The Philadelphia Art Commission

**From:** Bicycle Transit Systems

**Date:** March 27th, 2024

**Re:** Cover Letter for Art Commission Admin Review for IKE Smart City Kiosks at 18<sup>th</sup> & Washington, Washington & 11<sup>th</sup>, 16<sup>th</sup> & Callowhill, and 2<sup>nd</sup> & Snyder

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Dear Art Commission,

Bicycle Transit Systems (BTS) is a Philadelphia-based National bike share operator, who is contracted by the City of Philadelphia's Office of Transportation, Infrastructure, and Sustainability (OTIS) to operate Philadelphia's Indego bike share. IKE Smart City, an out of home advertising agency, is contracted by BTS to deliver static and digital advertising on Indego bikeshare stations. The Art Commission recently provided final concept approval for the deployment of IKE Smart City Kiosks on Indego bike share stations. BTS is seeking admin approval from the Art Commission to deploy IKE Smart City Kiosks on Indego bike share stations at **18<sup>th</sup> & Washington, Washington & 11<sup>th</sup>, 16<sup>th</sup> & Callowhill, and 2<sup>nd</sup> & Snyder.**

The IKE Smart City Kiosk is an interactive digital kiosk that will be attached to the Indego bikeshare station. The kiosk will enhance the user experience for Indego customers, deliver public service information, resources, and local art, and generate advertising revenue to support the operations and expansion of Indego. The IKE Smart City Kiosk is 99.5" x 37.5" x 12.5" (H x W x D). The kiosk is made from steel and has heat-tempered dual-sided LED touchscreens. The kiosk will be mounted on a poured concrete foundation and a steel baseplate will be used to connect it to the Indego bike share station. The kiosk will resemble Indego's existing wayfinding signage in proximity and integration with the bikeshare stations while providing innovative and state-of-the-art functionality that Indego currently lacks.

BTS will be submitting a full submission package for these sites by Wednesday, 4/6. We will include the extra details in the submission package requested after the previous admin review, including consideration of the benefit of IKE Smart City Kiosks in low-income neighborhoods and coordination with RCO's. I will be BTS's contact for this application and the point of contact for the Art Commission's decision.

Sincerely,

A handwritten signature in black ink, appearing to read "N. Bowman-Johnston".

Nate Bowman-Johnston  
General Manager, Indego Bike Share, Bicycle Transit Systems  
[nbowmanjohnston@bicycletransit.com](mailto:nbowmanjohnston@bicycletransit.com)  
(215)510-7792



A photograph of two women standing on a sidewalk in Philadelphia, each with an Indego bike. They are wearing helmets and winter coats. In the background is the ornate, classical architecture of Philadelphia City Hall. A SEPTA bus is partially visible behind the women. The sky is blue with some clouds.

**ike** SMART CITY

**Philadelphia Indego  
Bike Share -  
Philadelphia Art Commission**

APRIL 10, 2024

*This document contains confidential trade secrets.*



OUR MISSION:

# WE PIONEER SMART CITY TECHNOLOGY TO **IMPROVE LIVES IN CITIES.**

IKE Smart City was formed in 2015 by Orange Barrel Media (OBM). OBM is a leading national media company with a portfolio of unique displays in top urban markets across the U.S. Since its inception in 2004, OBM has grown its inventory with a commitment to public / private partnerships that provide value to cities, property owners, and advertisers alike.

Through its work in cities across the country, OBM identified an opportunity to merge street furniture advertising with interactive wayfinding and information resources. The team behind OBM formed sister company, IKE Smart City, to fill this need. IKE Smart City focuses entirely on delivering innovative and equitable smart city technology solutions while maximizing DOOH ad revenues in the urban core of cities.

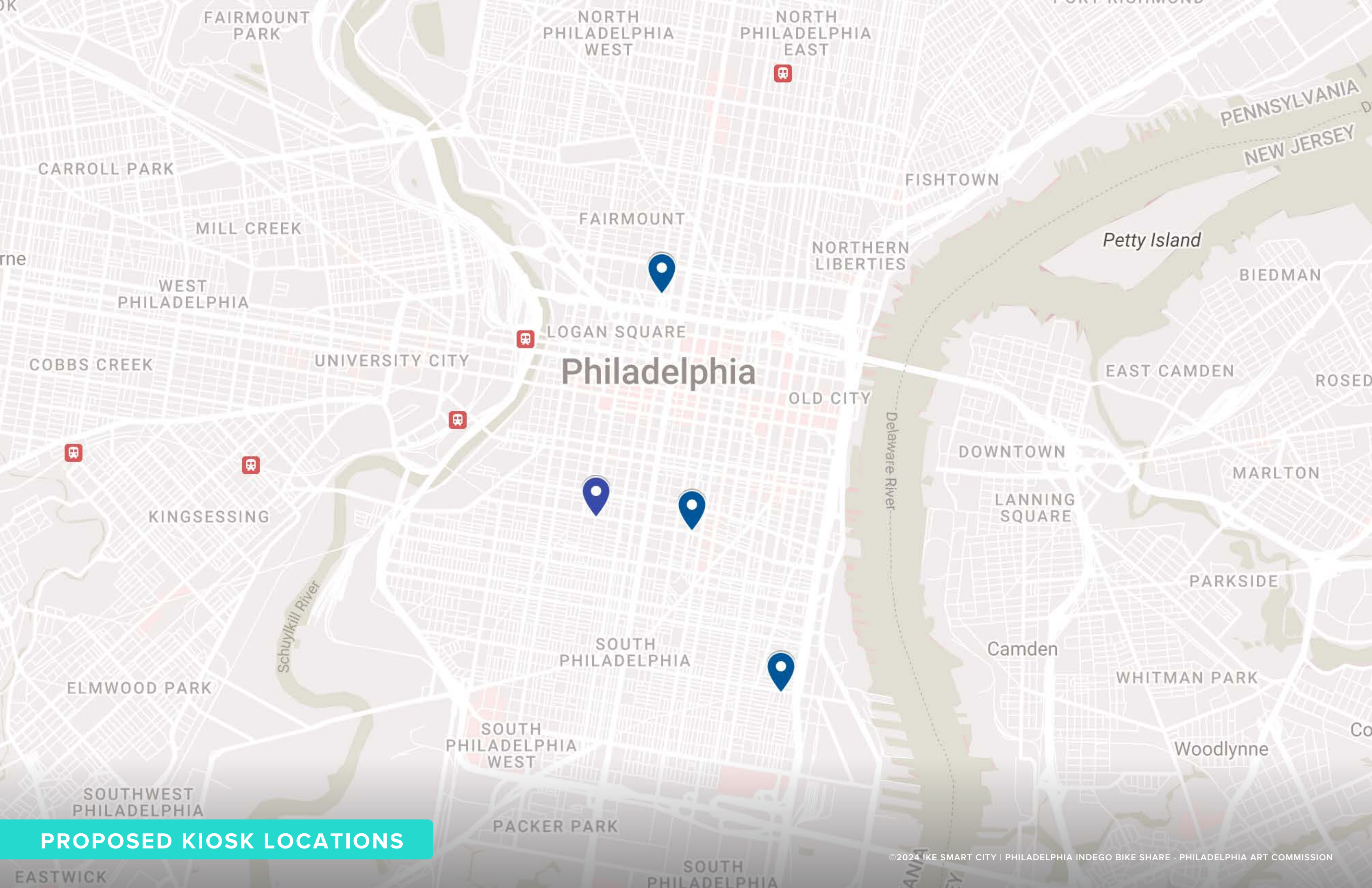
IKE launched in Denver as a wayfinding and city communication system for the digital age, an alternative to outdated and inefficient static maps as well as a world-class advertising platform. In addition to serving as a new amenity for the public, IKE quickly became an in-demand medium for advertisers seeking dynamic street-level opportunities in commercial districts.

IKE Smart City is known in the industry for its superior revenue delivery, exemplary design, and unmatched deployment expertise. We offer turnkey end-to-end programs that provide value to partners and the public through our ever-evolving media platform.

**Our success has been sustained by building strong relationships with our city partners.**







**PROPOSED KIOSK LOCATIONS**





PHI-IKE-049: 18TH & WASHINGTON

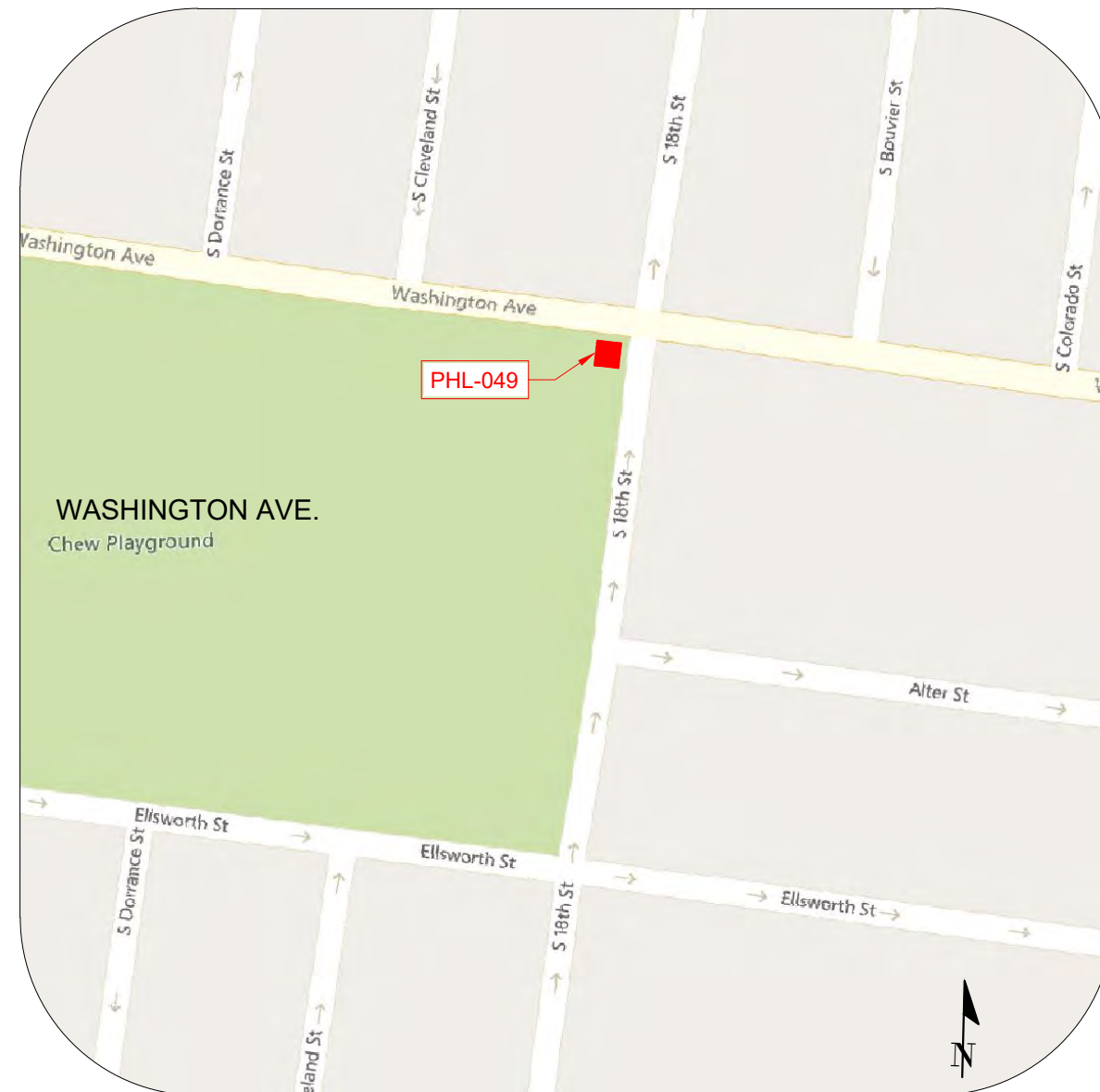


# CONSTRUCTION PLANS FOR IKE SMART CITY - PHILADELPHIA

## PHL-049 S 18TH STREET & WASHINGTON AVE CITY OF PHILADELPHIA, PENNSYLVANIA

### DRAWING INDEX:

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SITE MAP

## MARCH 2024

### PROJECT DESCRIPTION

INSTALL INTERACTIVE KIOSK AND SHALLOW FOUNDATION WITHIN THE EXISTING SIDEWALK IN THE RIGHT OF WAY. INSTALL CONDUIT, HANDHOLE, TIE INTO EXISTING METERED POWER. RESTORE CONCRETE SIDEWALK, AND CURB, GUTTER, AND ASPHALT THAT IS TO BE DISTURBED DURING INSTALLATION

### CLIENT:

IKE SMART CITY, LLC.  
250 N HARTFORD AVE  
COLUMBUS OHIO 43222



\*\*\*\*\*NOTE\*\*\*\*\*  
UTILITY & R.O.W. REPRESENTED ON PLANS ARE BASED ON RECORDS INFORMATION. NOT BASED ON BOUNDARY SURVEY & FIELD EXPOSURES.

**CAUTION!!!**  
CONTRACTOR TO LOCATE & VERIFY ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION

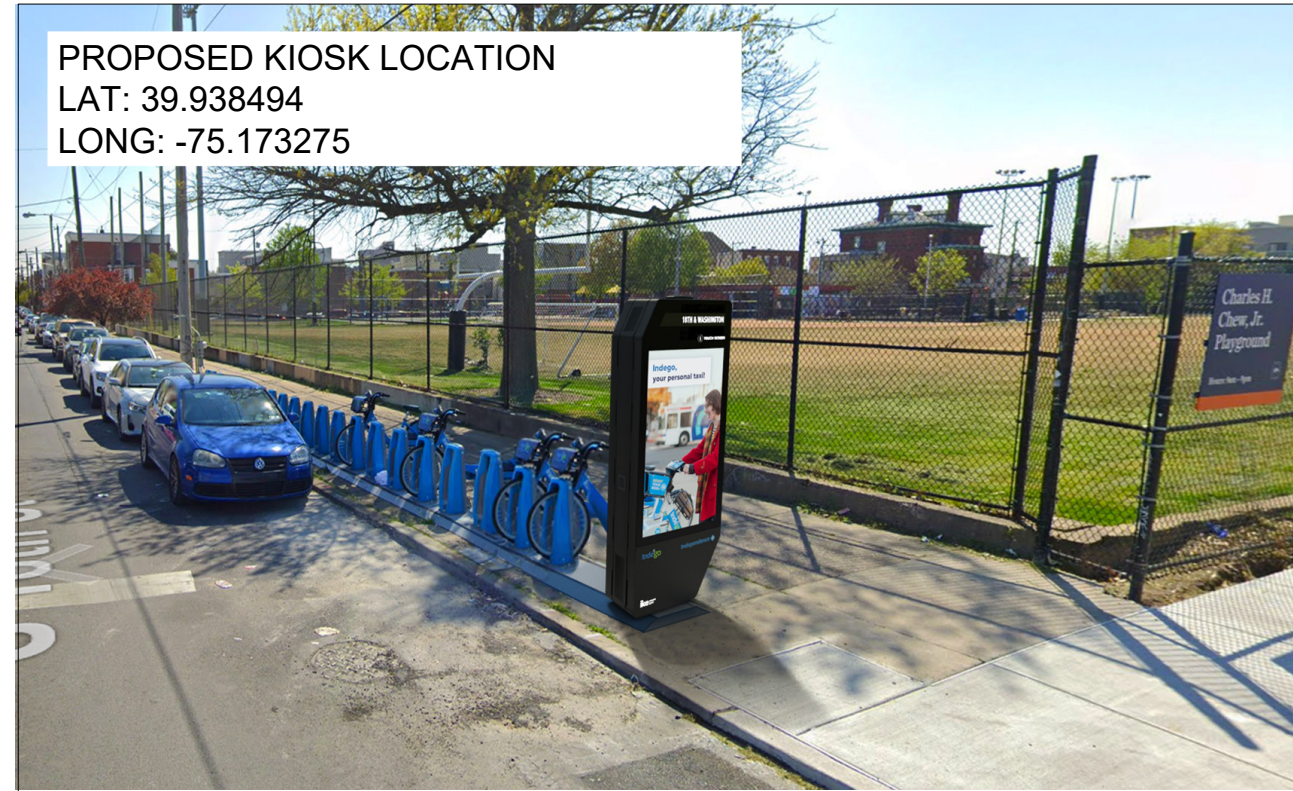
REVISION DESCRIPTION	REV #	DATE	IKE SMART CITY - PHILADELPHIA PHL-049
			<b>COVER SHEET</b>
			DRAWN BY: DA
			CHECKED BY:
			DATE: 3-24
			C-0



**GENERAL CONSTRUCTION NOTES**

1. ALL CONSTRUCTION, MATERIAL, AND RESTORATION SHALL CONFORM TO THE DESIGN AND CONSTRUCTION STANDARDS OF THE CITY OF PHILADELPHIA.
2. THE CONTRACTOR SHALL BE RESPONSIBLE TO FURNISH ALL MATERIAL AND LABOR TO CONSTRUCT THE FACILITY AS SHOWN AND DESCRIBED.
3. ALL EXISTING UTILITY LOCATIONS SHOWN ON THESE DRAWINGS ARE APPROXIMATE AND MAY NOT ALL BE SHOWN. THE CONTRACTOR SHALL CONTACT ONE CALL SYSTEM TO HAVE THEM LOCATE EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR CONTACTING AND COORDINATING LOCATING OF PRIVATE FACILITIES.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL PUBLIC AND PRIVATE UTILITIES IN THE CONSTRUCTION OF THIS PROJECT, INCLUDING FACILITIES NOT SHOWN ON THE PLANS. ALL INFRASTRUCTURE MUST BE TO PROPER GRADE PRIOR TO AND AFTER PLACING PERMANENT PAVING. UTILITIES MUST BE MAINTAINED TO PROPER LINE AND GRADE DURING CONSTRUCTION OF ANY PAVING FOR THIS PROJECT.
5. BRACING OF UTILITY POLES MAY BE REQUIRED BY UTILITY COMPANIES WHEN TRENCHING OR EXCAVATION IS IN CLOSE PROXIMITY TO THE POLES. THE COST OF BRACING POLES WILL BE BORNE BY THE CONTRACTOR. THERE IS NO SEPARATE PAY ITEM FOR THIS WORK. THE COST IS INCIDENTAL TO THE VARIOUS PAY ITEMS FOR INSTALLATION OF THE KIOSK.
6. ALL EXISTING CONCRETE PAVING, SIDEWALKS, AND CURBS NOTED FOR DEMOLITION SHALL BE REMOVED IN THEIR ENTIRETY AND DISPOSED OF BY THE CONTRACTOR OFF SITE, UNLESS OTHERWISE DIRECTED BY THE OWNER.
7. THE CONTRACTOR SHALL REPAIR OR REPLACE ANY PHYSICAL DAMAGE TO PUBLIC OR PRIVATE PROPERTY, INCLUDING BUT NOT LIMITED TO, FENCES, BOLLARDS, WALLS, PAVEMENT, GRASS, TREES, PLANTERS, DECORATIVE LIGHTING, AND LAWN SPRINKLER AND IRRIGATION SYSTEMS AT NO COST TO THE OWNER. THIS WORK SHALL BE SUBSIDIARY TO THE CONTRACT (UNLESS OTHERWISE NOTED)
8. THE CONTRACTOR SHALL REMOVE ALL SURPLUS MATERIAL AND TRASH FROM THE PROJECT AREA. THIS WORK SHALL BE SUBSIDIARY TO THE CONTRACT AND IS NOT A SEPARATE PAY ITEM.
9. TRAFFIC CONTROL- THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN AND VEHICULAR TRAFFIC AT ALL TIMES DURING CONSTRUCTION AND SHALL PROVIDE ANY NECESSARY, BARRICADES, LIGHTING, SIGNS, AND FLAGMEN, FOR THE MOT TO PROVIDE SAFETY TO THE PUBLIC.
10. THE CONTRACTOR MAINTAIN A COPY OF ALL PERMITS AT THE JOB SITE AT ALL TIMES.
11. THE CONTRACTOR SHALL NOTIFY PROJECT MANAGER WITH ANY DISCREPANCIES ON THE DRAWINGS BEFORE COMMENCING WORK. FIELD CHANGES OR DEVIATIONS FROM THE DESIGN WILL NOT BE ALLOWED WITHOUT PRIOR APPROVAL FROM THE OWNER. CONSIDERATION WILL NOT BE GIVEN TO CHANGE ORDERS FOR WHICH THE OWNER AND PROJECT MANAGER WERE NOT CONTACTED PRIOR TO CONSTRUCTION OF THE AFFECTED ITEM.
12. ALL COPIES OF COMPACTION, CONCRETE, AND OTHER REQUIRED TEST RESULTS ARE TO BE SENT TO THE PROJECT MANAGER DIRECTLY FROM THE TESTING AGENCY.
13. ALL NECESSARY INSPECTIONS AND/ OR CERTIFICATIONS REQUIRED BY CODES, JURISDICTIONAL AGENCIES, AND/ OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO FINAL INSPECTION.

**CONCEPTUAL LAYOUT**



PLEASE NOTE RENDERING DOES NOT REPRESENT EXACT PLACEMENT LOCATION OF PROPOSED KIOSK AND IS CONCEPTUAL ONLY. PLEASE REFER TO CIVIL PLANS FOR EXACT PLACEMENT LOCATION



\*\*\*\*\*NOTE\*\*\*\*\*  
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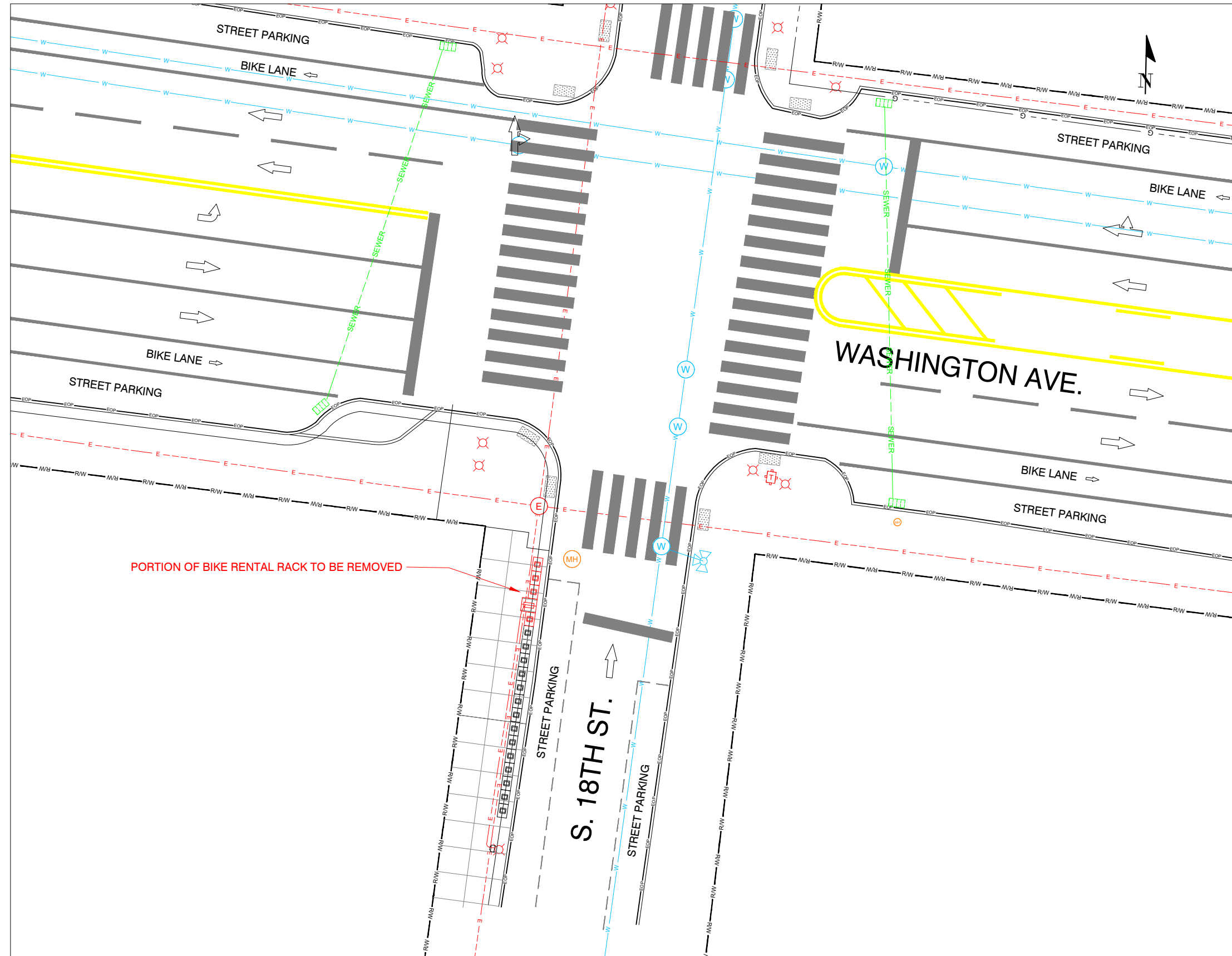
**CAUTION!!!**  
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 VERIFY ALL EXISTING UTILITIES  
 PRIOR TO CONSTRUCTION

REVISION DESCRIPTION	REV #	DATE	IKE SMART CITY - PHILADELPHIA PHL-049
			<b>GENERAL NOTES</b>
			DRAWN BY: DA
			CHECKED BY:
			DATE: 3-24
			C-1



### EXISTING CONDITIONS

1"=20'



### NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING LOCATION OF ALL EXISTING UTILITIES BOTH SHOWN OR NOT SHOWN ON PLANS.
2. EXISTING CONDITIONS SHOWN ARE BASED ON THE EXISTING MAPS, RECORDS AND SITE VISIT. LOCATION OF EXISTING UTILITIES SHOWN ARE APPROXIMATE.
3. DESIGNER AND WITHOUT LIABILITY, MAY ADD OR OMIT EXISTING CONDITION INFORMATION.

### LEGEND

	BUS STOP		SHRUBBERY
	48" DOC		SIGN
	ELECTRICAL MANHOLE		SIGNAL CONTROLLER
	ELECTRICAL BOX		STREET LIGHT ASSEMBLY
	FIRE HYDRANT		STORM DRAIN CATCH BASIN
	FOREIGN MARKERS		STORM DRAIN CULVERT
	GAS METER		STORM DRAIN MANHOLE
	GAS VALVE		TELEPHONE VAULT
	JUNCTION BOX		TELEPHONE MANHOLE
	MAIL BOX		TRAFFIC FLOW
	PAD MOUNTED TRANSFORMER		TRAFFIC SIGNAL POLE
	PROPOSED HANDHOLE		TREE
	R/R CROSSING GATE		WATER METER
	UTILITY POLE		WATER VALVE
	UTILITY POLE ANCHOR		YARD LIGHT
	SAN. SEWER MANHOLE		

### LINETYPES

	BOC	BACK OF CURB		PROPOSED CONDUIT
	CL	CENTERLINE		OHE OVERHEAD ELECTRIC
	EOP	EDGE OF PAVEMENT		E ELECTRIC
	X	FENCE LINE		G GAS
		GUARD RAIL		CATV CABLE TV
	P/L	PROPERTY LINE		SAN SANITARY SEWER
	RW	RIGHT OF WAY		SD STORM SEWER
		RAILROAD		TELECOM
	L	LEASED CONDUIT		W WATER
		EDGE OF WATER		TS TRAFFIC SIGNAL



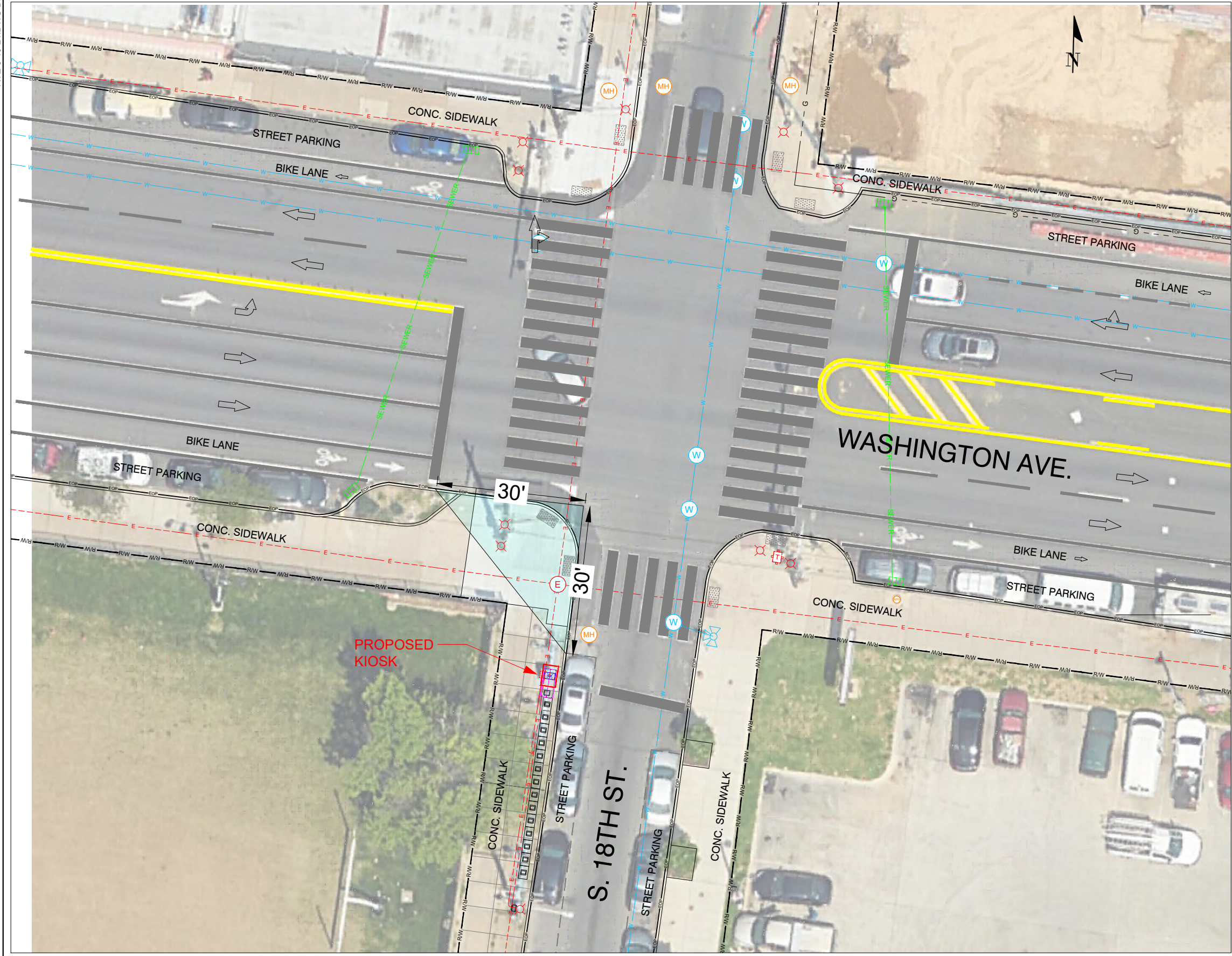
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			SITE PLAN
			DRAWN BY: DA
			CHECKED BY:
			DATE: 3-24



# INTERSECTION VISIBILITY



## LEGEND

- |  |                         |  |                         |
|--|-------------------------|--|-------------------------|
|  | BUS STOP                |  | SHRUBBERY               |
|  | 48" DOC                 |  | SIGN                    |
|  | ELECTRICAL MANHOLE      |  | SIGNAL CONTROLLER       |
|  | ELECTRICAL BOX          |  | STREET LIGHT ASSEMBLY   |
|  | FIRE HYDRANT            |  | STORM DRAIN CATCH BASIN |
|  | FOREIGN MARKERS         |  | STORM DRAIN CULVERT     |
|  | GAS METER               |  | STORM DRAIN MANHOLE     |
|  | GAS VALVE               |  | TELEPHONE VAULT         |
|  | JUNCTION BOX            |  | TELEPHONE MANHOLE       |
|  | MAIL BOX                |  | TRAFFIC FLOW            |
|  | PAD MOUNTED TRANSFORMER |  | TRAFFIC SIGNAL POLE     |
|  | PROPOSED HANDHOLE       |  | TREE                    |
|  | R/R CROSSING GATE       |  | WATER METER             |
|  | UTILITY POLE            |  | WATER VALVE             |
|  | UTILITY POLE ANCHOR     |  | YARD LIGHT              |
|  | SAN. SEWER MANHOLE      |  |                         |

## LINETYPES

- |  |                |                  |  |                       |
|--|----------------|------------------|--|-----------------------|
|  | BOC            | BACK OF CURB     |  | PROPOSED CONDUIT      |
|  | CENTERLINE     | CENTERLINE       |  | OHE OVERHEAD ELECTRIC |
|  | EOP            | EDGE OF PAVEMENT |  | E ELECTRIC            |
|  | FENCE LINE     | FENCE LINE       |  | G GAS                 |
|  | GUARD RAIL     | GUARD RAIL       |  | CATV CABLE TV         |
|  | PROPERTY LINE  | PROPERTY LINE    |  | SAN SANITARY SEWER    |
|  | RIGHT OF WAY   | RIGHT OF WAY     |  | SD STORM SEWER        |
|  | RAILROAD       | RAILROAD         |  | TELECOM               |
|  | LEASED CONDUIT | LEASED CONDUIT   |  | W WATER               |
|  | EDGE OF WATER  | EDGE OF WATER    |  | TS TRAFFIC SIGNAL     |

SCALE: 1"=20'



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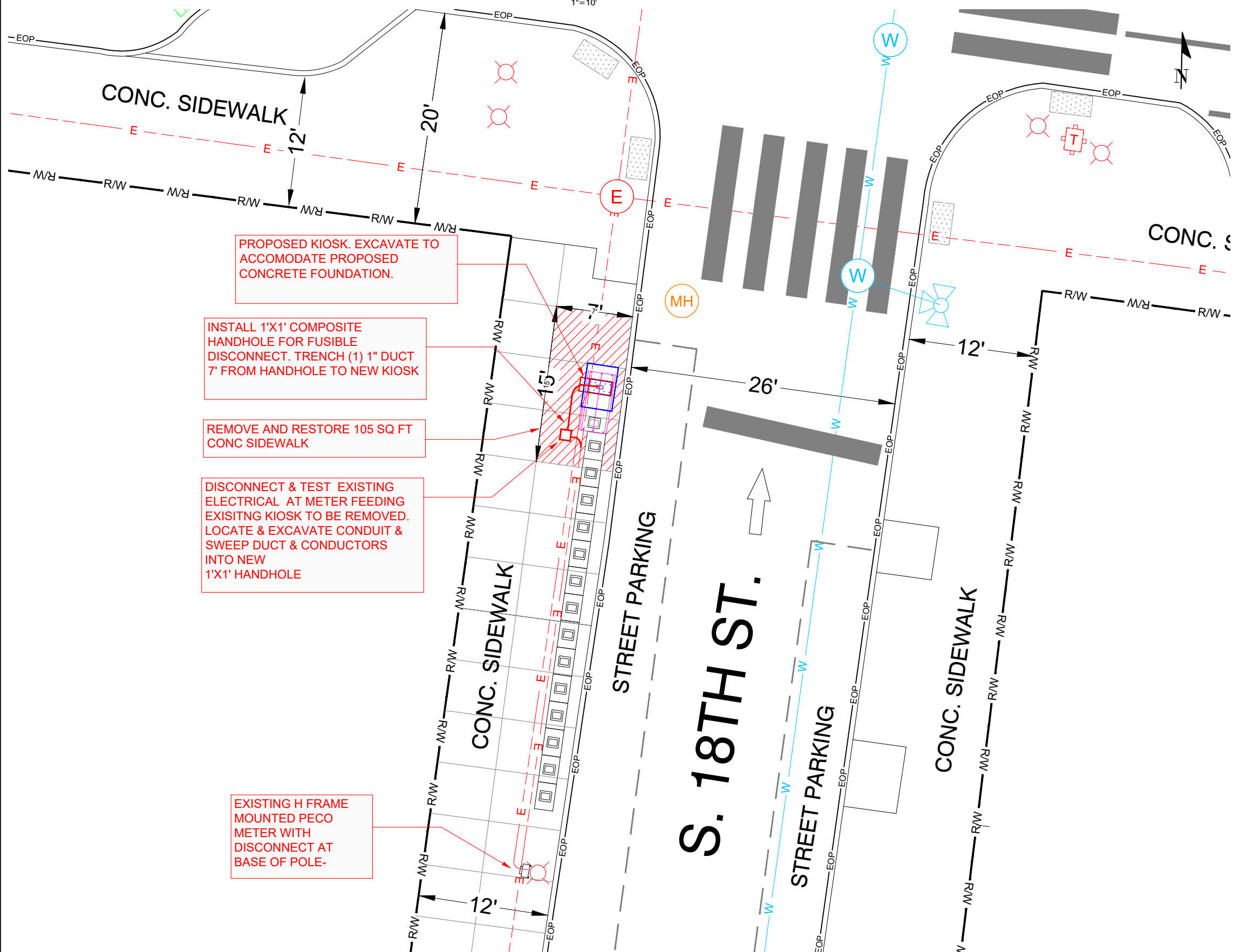
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			INTERSECTION VISIBILITY
			DRAWN BY: DA
			CHECKED BY:
			DATE: 3-24
			C-3



**SITE PLAN**

1"=10'



**NOTES:**

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**LEGEND**

	BUS STOP		SHRUBBERY
	48" DOC		SIGN
	ELECTRICAL MANHOLE		SIGNAL CONTROLLER
	ELECTRICAL BOX		STREET LIGHT ASSEMBLY
	FIRE HYDRANT		STORM DRAIN CATCH BASIN
	FOREIGN MARKERS		STORM DRAIN CULVERT
	GAS METER		STORM DRAIN MANHOLE
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	PROPOSED HANDHOLE		TREE
	R/R CROSSING GATE		WATER METER
	UTILITY POLE		WATER VALVE
	UTILITY POLE ANCHOR		YARD LIGHT
	SAN. SEWER MANHOLE		

**LINETYPES**

	BOC	BACK OF CURB		PROPOSED CONDUIT
	CL	CENTERLINE		OHE OVERHEAD ELECTRIC
	EOP	EDGE OF PAVEMENT		ELECTRIC
	F	FENCE LINE		GAS
	GR	GUARD RAIL		CABLE TV
	P/L	PROPERTY LINE		SANITARY SEWER
	RW	RIGHT OF WAY		STORM SEWER
	RR	RAILROAD		TELECOM
	LC	LEASED CONDUIT		WATER
	EW	EDGE OF WATER		TRAFFIC SIGNAL

SCALE: 1"=10'



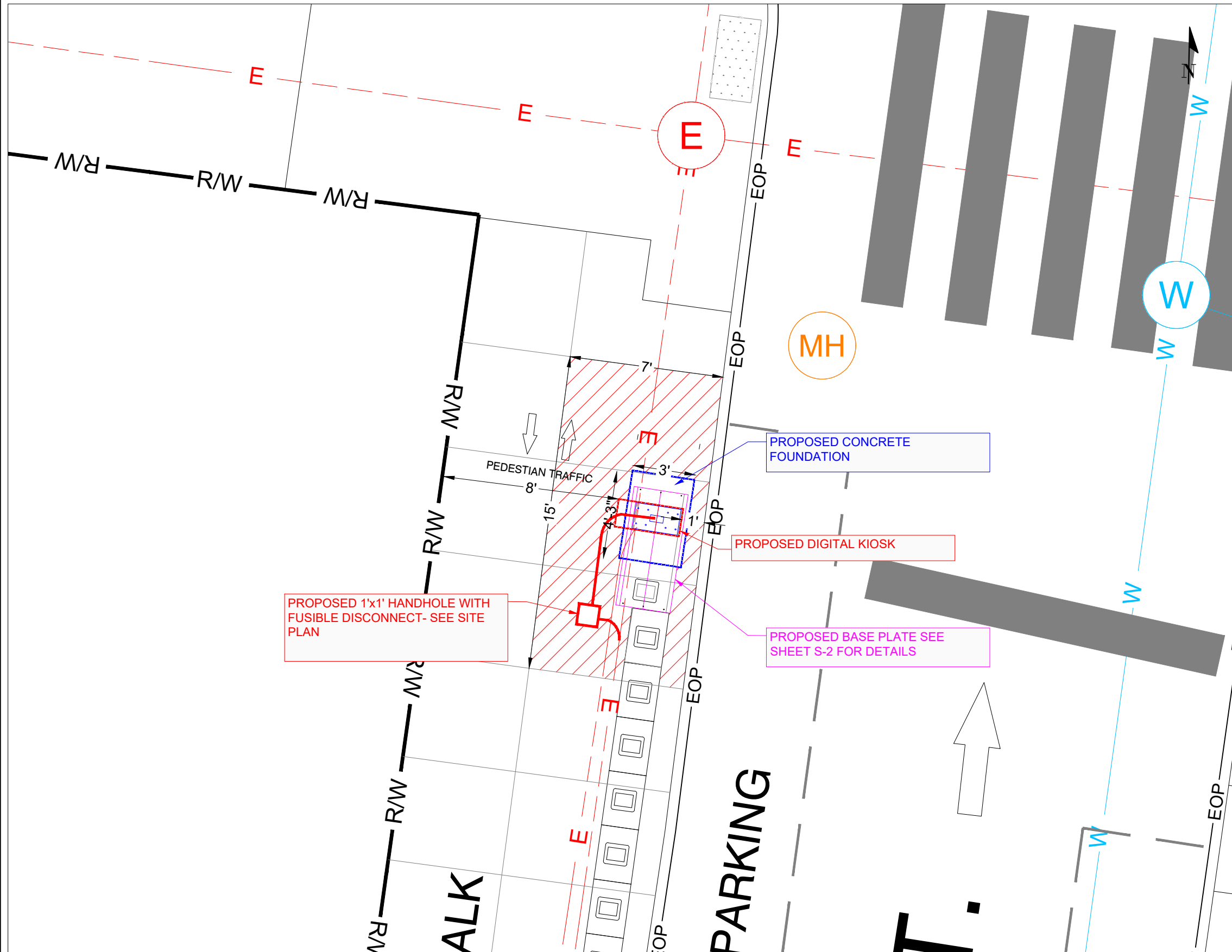
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			<b>SITE PLAN</b>
			DRAWN BY: DA
			CHECKED BY:
			DATE: 3-24
			C-4A



**SITE DETAIL**  
1"=5'



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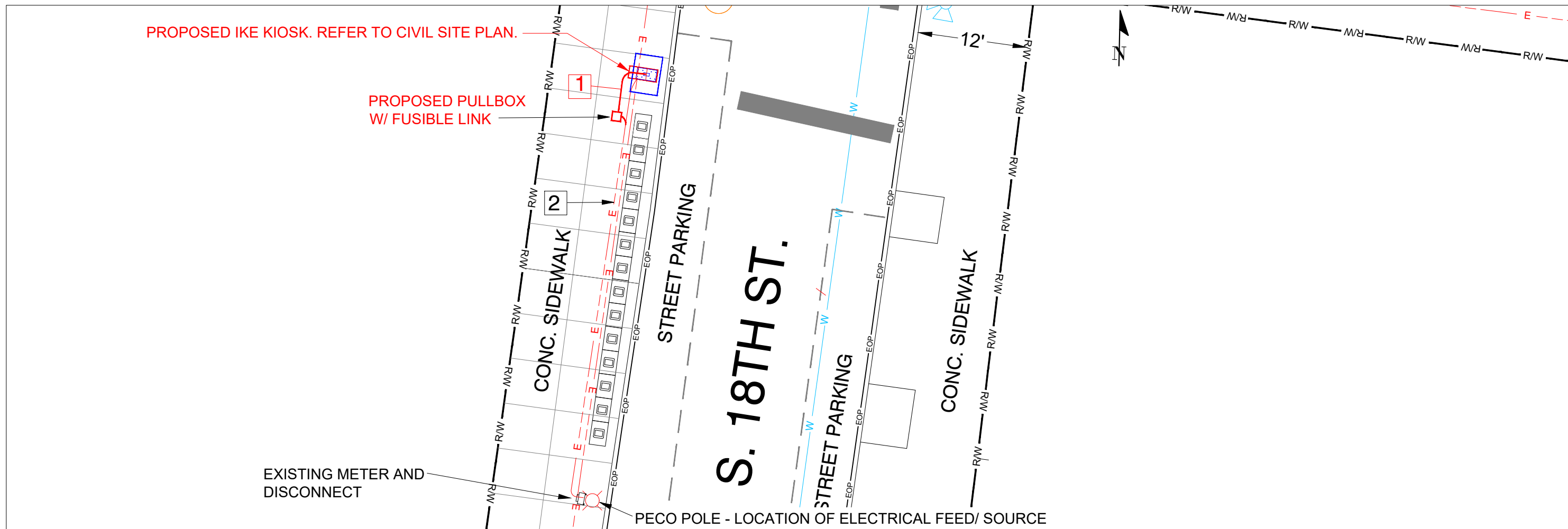
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			<b>SITE DETAIL</b>
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			CHECKED BY:      C-4B
			DATE: 3-24



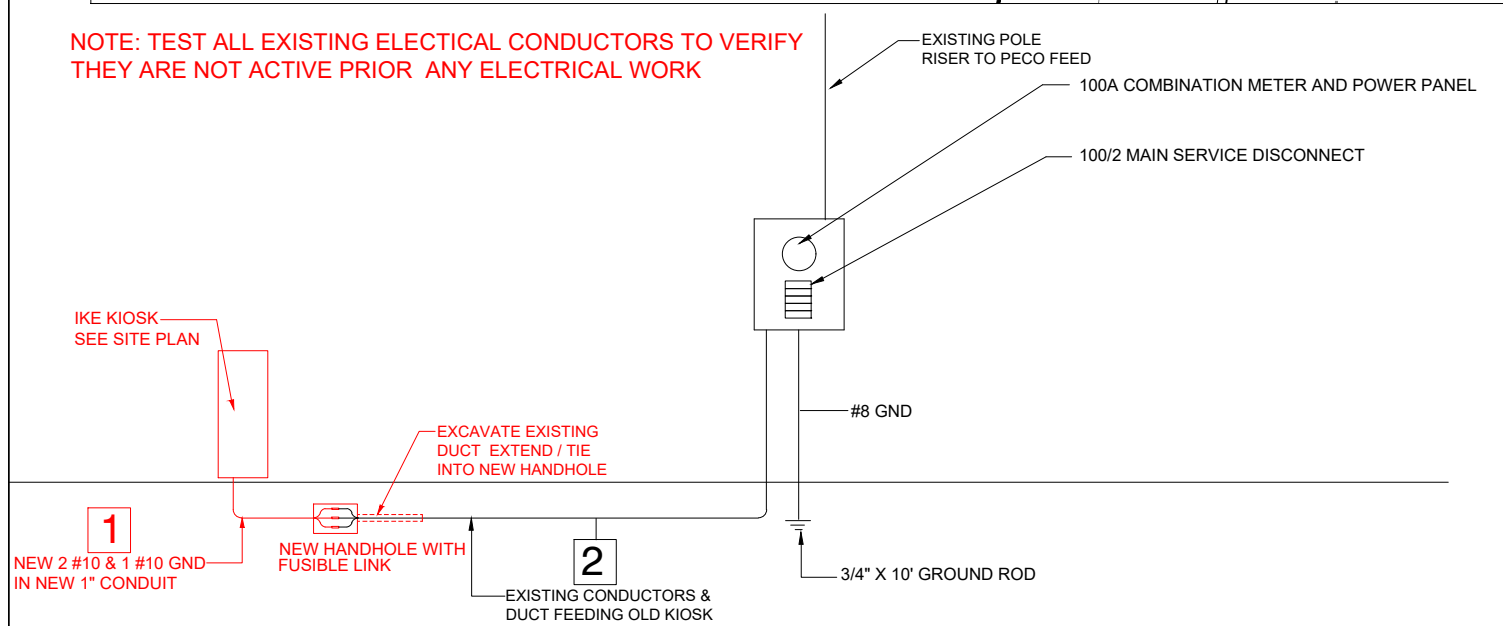




ELECTRICAL SITE PLAN NOT TO SCALE



NOTE: TEST ALL EXISTING ELECTRICAL CONDUCTORS TO VERIFY THEY ARE NOT ACTIVE PRIOR ANY ELECTRICAL WORK



ELECTRICAL RISER DIAGRAM

120/240V 1-PHASE 3-WIRE

NO SCALE

Load Type	LOAD (KVA)					A	B	Brkr. Size	LOAD (KVA)					LOAD TYPE
	MISC.	HVAC	LTS.	REC.	Brkr. Size				REC.	LTS.	HVAC	MISC.		
LCD Panel	2.2	-	-	-	30/1	1		100/2	-	-	-	-	-	Service Main
-	-	-	-	-	-	3		-	-	-	-	-	-	Disconnect
-	-	-	-	-	-	5		6	-	-	-	-	-	-
-	-	-	-	-	-	7		8	-	-	-	-	-	-
-	-	-	-	-	-	9		10	-	-	-	-	-	-
Totals	2.2	0.0	0.0	0.0					0.0	0.0	0.0	0.0		Totals
Panel: PHL-049	LOADS							S/N Bar						
Voltage: 120/240	CONNECTED		Demand Factor		Demand Total		X		GROUND BAR					
Phase: 1	LTS.		125%		0.0		Pedestal		Mounting Type					
Wire: 3	REC.		***		0		22,000		MIN AIC					
Mains: 100A	MISC.		100%		2.2		X		Series Rated****					
Main Breaker: 100A	HVAC		****		0.0		X		NEW					
	TOTAL (KVA)		2.2		2.2				EXISTING					
	TOTAL (AMPS)		18.3		18.3									



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CAUTION!!!  
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REVISION DESCRIPTION	REV #	DATE	IKE SMART CITY - PHILADELPHIA PHL-049
			ELECTRICAL SITE PLAN
			DRAWN BY: DA
			CHECKED BY:
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GENERAL STRUCTURAL NOTES

- All work shall be performed in accordance with the contract documents. In case of a conflict within the contract documents, the more stringent condition shall govern, unless directed otherwise by the engineer of record. Prior to implementation, any discrepancies shall be reported to the architect for clarification.
- In the event that certain details of construction are not indicated or noted in the drawings, details for similar conditions that are indicated or noted shall be utilized, subject to the structural engineer's approval.
- Openings and penetrations through structural elements, and items embedded in structural elements that are not indicated in the structural drawings shall be reviewed by the structural engineer prior to fabrication, erection and/or construction.
- The structure has been designed for the in-service loads only. The methods, procedures and sequences of construction are the responsibility of the contractor. Contractor shall take all necessary precautions to maintain and ensure the integrity of the structure at all stages of construction. Contractor shall immediately notify the structural engineer of any condition which, in his opinion, might endanger the stability of the structure or cause distress in the structure.
- All existing conditions and all related dimensions indicated in the contract documents shall be field verified prior to fabrication, erection and/or construction. Any condition that differs from that indicated in the contract documents shall be submitted to the architect for review prior to fabrication, erection and/or construction.
- The structure has been designed to meet or exceed serviceability requirements of section 1604.3 of the International Building Code. All non-structural components & their connections that are anchored to the structure shall be designed to allow for the movement of the structure caused by wind, snow, live, thermal, shrinkage/creep and earthquake loads. Non-structural components include items such as non-load bearing walls, MEP components, bulkheads, etc.
- Provide special inspection in accordance with chapter 17 of the International Building Code and with project specifications.
- Unless noted otherwise, all loads specified in these documents are nominal loads and are to be entered into the appropriate strength or allowable stress design load combinations with appropriate factors, as defined by ASCE7, by the building component engineer in the design of their product. Gravity load shear beam reactions on plan for steel framing represent the combined service load effect from allowable stress design load combinations.

GENERAL FOUNDATION AND CONCRETE NOTES

- A registered geotechnical engineer shall be retained to confirm that the soils at the site are capable of the design soil bearing pressure. This will require a report by the geotechnical engineer. (Quantity, depth, and location of soil borings shall be at the discretion of the geotechnical engineer) The contractor shall implement all requirements and recommendations stated in this report.
- It is strongly recommended that the geotechnical engineer of record that produces the report be retained to provide the soils testing and inspections during construction.
- Fill material shall be thoroughly compacted prior to placement of concrete. Fill under all slabs on grade shall be as recommended in the geotechnical report. If there is no geotechnical report, a minimum of 6" of well draining granular material shall be placed under all slabs on grade (UNO elsewhere in the construction documents).
- Coordinate finish of all foundation work, including slabs on grade, with architectural and flooring supplier's requirements.
- Cover for reinforcing shall be in accordance with ACI-318.
- All exposed edges of concrete piers, beams, and walls shall be chamfered 3/4" x 45 degrees. UNO
- Coordinate placement of KIOSK anchor rods with foundation reinforcing. All column anchor rods shall be installed using templates and setting drawings. No tilted or misplaced bolts will be accepted. Notify Architect/Engineer for approval of any corrective action. Tolerances for the installation of the anchor bolts shall be in accordance with AISC "Code of Standard Practice" guidelines.
- Anchor rods embedded plates shall be as shown on the drawings. Headed studs shall conform to ASTM A108 and AWS D1.1 Grade B. Reinforcing bars to be welded to plates shall be ASTM A615 Grade 40 or ASTM A706 Grade 60.
- Refer to "General Structural Notes" for information regarding special inspections and installation of post installed anchors.

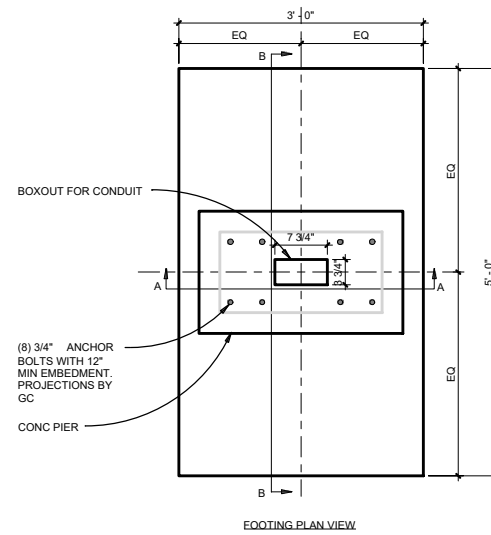
CONCRETE NOTES

- All concrete shall be done in accordance with ACI 117, 211, 301, 302, 315, 347 and 318 requirements, and as stated on contract documents.
- Coordinate finish of exposed concrete with Architect.
- Testing of concrete shall be provided for each KIOSK foundation and pier installed, and shall include but is not limited to slump, air content, concrete temperature, unit weight, and compressive strength. All testing shall follow ASTM standards.
- Admixtures shall contain no more than 0.1 percent water-soluble chloride ions by mass of cementitious material. Do not use admixtures containing calcium chloride.
  - Water-Reducing Admixture: ASTM C494, Type A
  - High-Range, Water-Reducing Admixture: ASTM C494, Type F
  - Water-Reducing and Accelerating Admixture: ASTM C494, Type E
  - Water-Reducing and Retarding Admixture: ASTM C494, Type D
  - Air-Entraining Admixture: ASTM C260
- Repair and patch defective areas as directed by Architect.

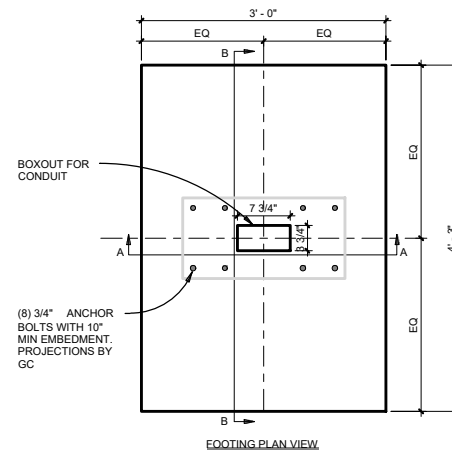
ENGINEERING DATA

Design soil bearing pressure	1000 psf (assumed)
Design stresses	
Concrete	
Footings and Foundations	$f_c = 3500$ psi
Grade slabs	$f_c = 3500$ psi
Reinforcing steel	$f_y = 60000$ psi
Structural design requirements	
Risk Category	I
Wind Load	
Ultimate design wind speed (3 sec)	120 mph
Wind exposure category	C
Signage pressure coeff (GC)	1.35
Components & cladding (varies)	27 psf
Signage design pressure	
Seismic Design Category	A or B (assumed)
Specific Design Loads	
Kiosk dead load	800 lb
Design codes	
General building code	IBC 2015
Concrete	ACI 318

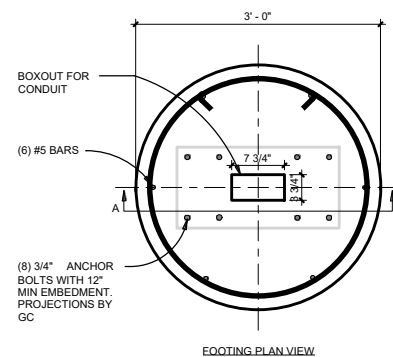
FOUNDATION DETAILS  
N.T.S



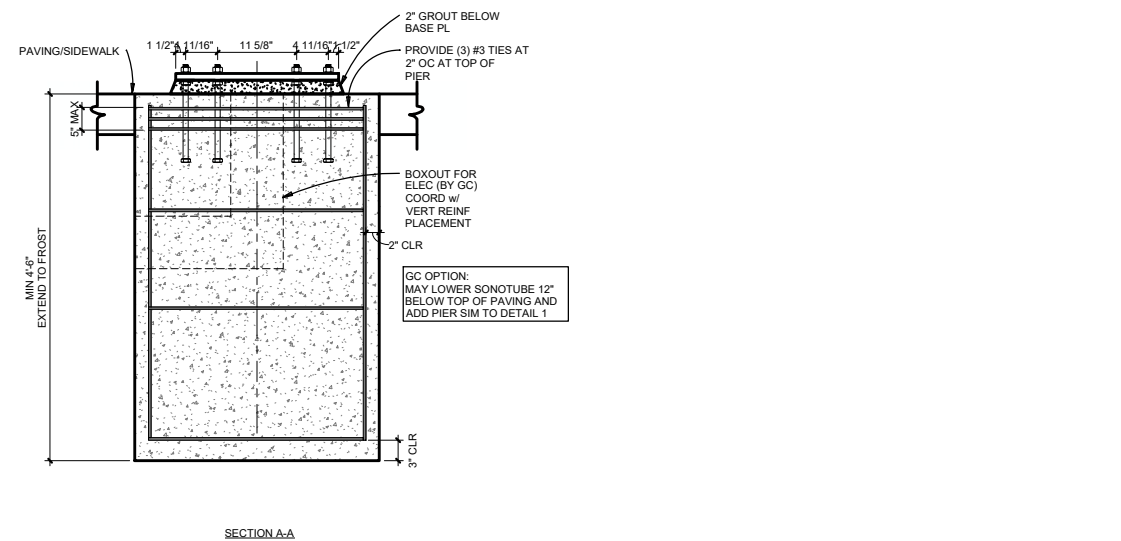
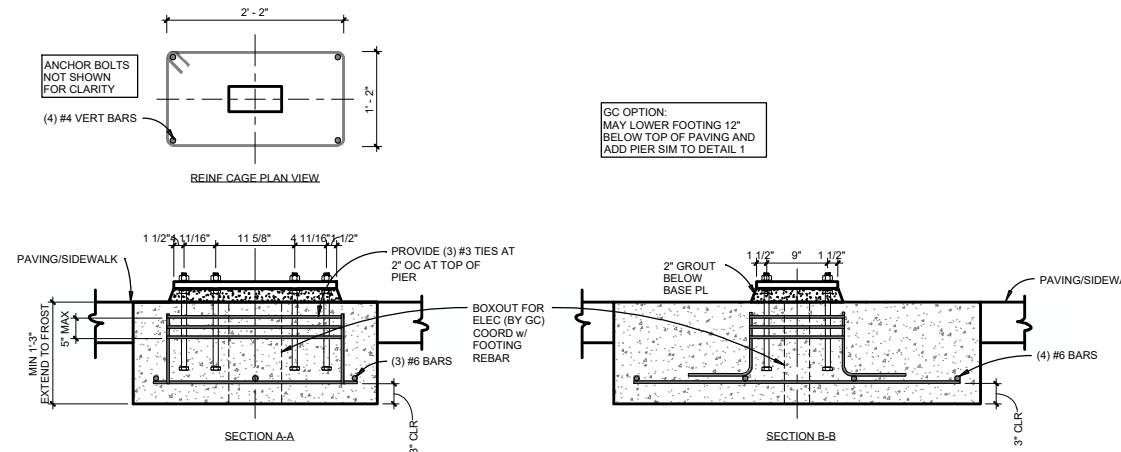
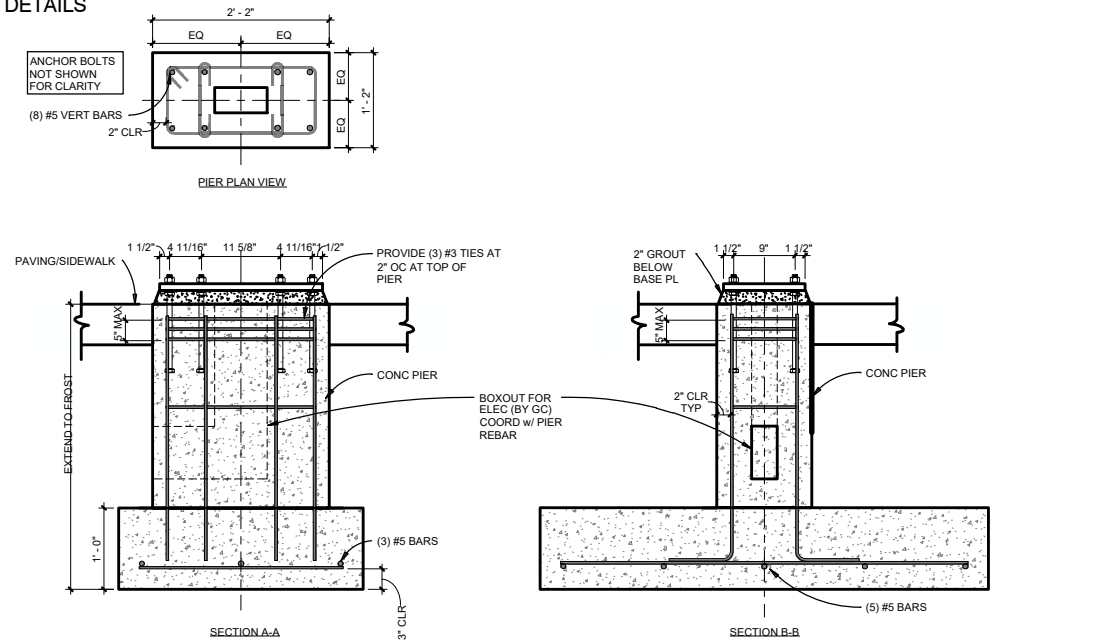
1 OPTION 1 SPREAD FOOTING WITH PIER  
SCALE: 1" = 1'-0"



2 OPTION 2 SHALLOW SPREAD FOOTING  
SCALE: 1" = 1'-0"



3 OPTION 3 SONOTUBE  
SCALE: 1" = 1'-0"



\*\*\*\*\*NOTE\*\*\*\*\*  
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CAUTION!!!  
CONTRACTOR TO LOCATE & VERIFY ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION

REVISION DESCRIPTION

REVISION DESCRIPTION	REV #	DATE

REV #	DATE

IKE SMART CITY - PHILADELPHIA PHL-049	
KIOSK DETAILS	
DRAWN BY: DA	S-1
CHECKED BY:	
DATE: 3-24	



# KIOSK DETAILS

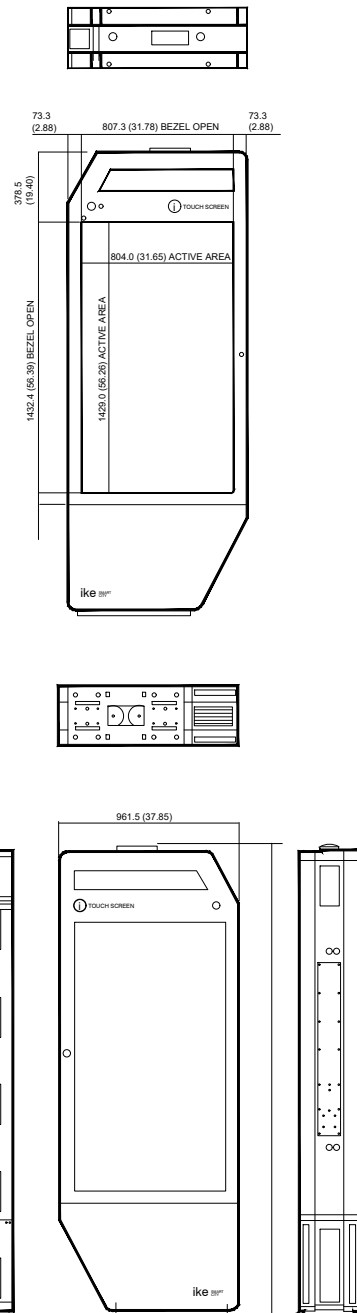
N.T.S

## SPECIFICATION

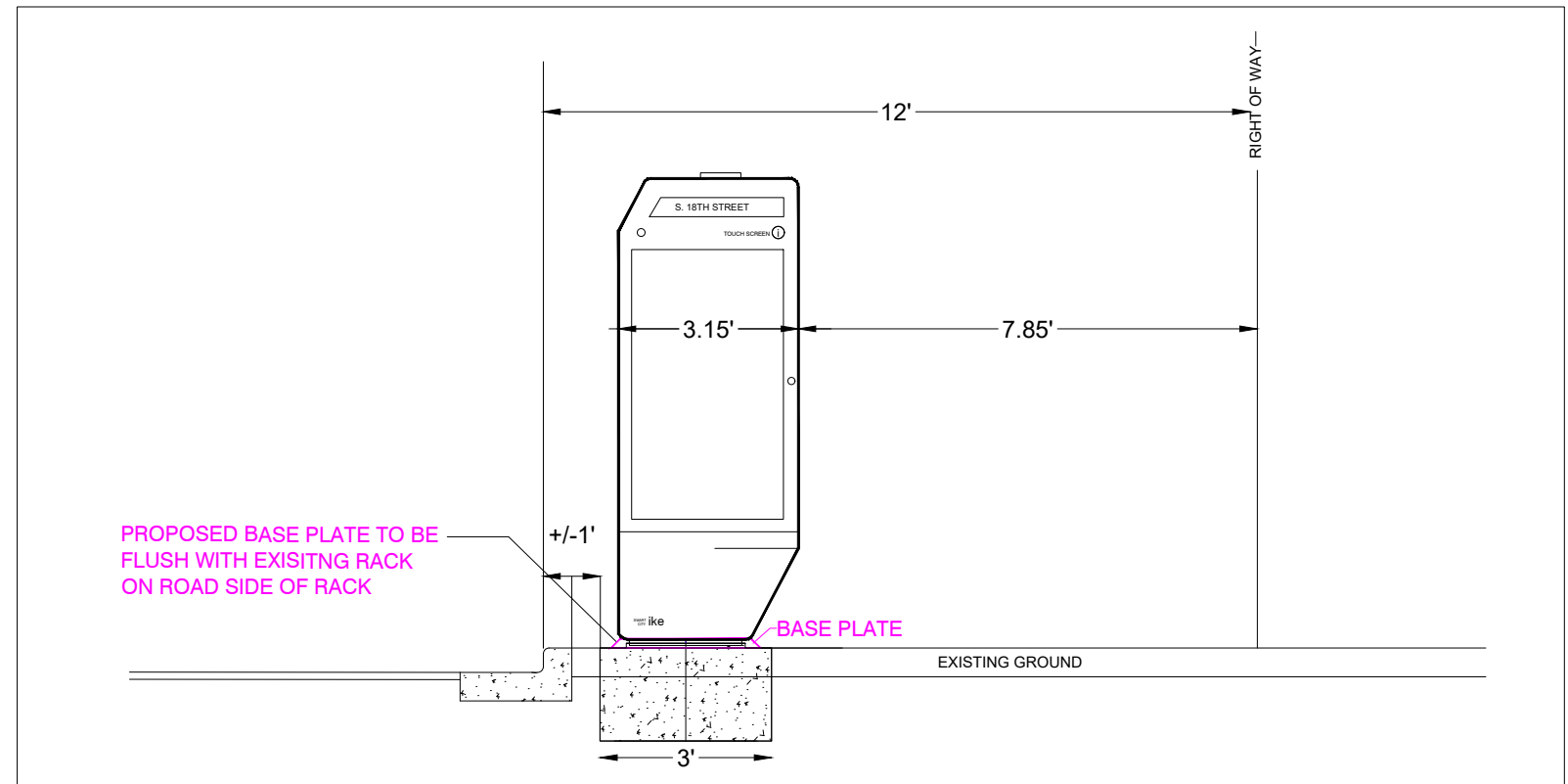
<b>MODEL</b>	<b>CIO651DR5</b>
LCD PANEL SIZE	65 INCHES LCD (X2)
NATIVE RESOLUTION	1920 X 1080
BACKLIGHT	LED
DEFAULT COLOR TEMPERATURE	D65 (6500K)
BRIGHTNESS ( W/O GLASS)	4,000 NITS
COLOR DEPTH	10 BITS
CONTRAST RATIO	4000:1
RESPONSE TIME (TYP.)	8MS
VIEWING ANGLE	178DEG/ 178 DEG
LIGHT LIFETIME (TYP.)	100,000 HRS
BLACKENING DEFECT FREE	UP TO 110 DEG C (230 DEG F)
POLARIZED SUNGLASSES SUPPORT	YES
PANEL SURFACE	AG HAZE 3% 2H
POWER SUPPLY	INTERNAL
<b>POWER</b>	
RATED VOLTAGE	100-240V-50/60HZ
POWER ON MODE (TYP./MAX)	1400 W/ 2200W
BEZEL WIDTH (B/L/R)	68.3 / 73.3 / 73.3 MM
POWDER COATING MATERIAL	ASTM B117
MONITOR DIMENSION (L X H X D)	2515.3 X 961.5 X 317.4 MM
MONITOR WEIGHT	820 LBS
<b>MECHANICAL SPECS</b>	
OPTION WEIGHT	832 LBS
TOUCH SCREEN	PCAP
ORIENTATION	PORTRAIT
KEY LOCK	YES
AIRE VENT	TOP & BOTTOM
GLASS	8MM LAMINATED TEMPERED GLASS
LANGAUGE	ENGLISH
SUPPORT SNMP (UP TO V3.0)	YES
DIMMING CONTROL	YES
<b>USER INTERFACE</b>	
IMAGE RETENTION PROTECTION	YES
AMBIENT LIGHT SENSOR	YES
POWER ON/OFF SCHEDULING	YES
INTERNAL TEMPERATURE SENSOR	YES
<b>INPUT</b>	
HDMI	X6(2180P)
DISPLAY PORT	X2
USB 3.0	X2
MICRO SD SLOT	X2
<b>OUTPUT</b>	
AUDIO	X2
<b>EXTERNAL CONTROL</b>	
RS-232	IN X2
RJ-45	X 4 (LAN)
<b>ENVIRONMENT</b>	
OPERATING TEMPERATURE	-20 DEG F - 120 DEG F (-30 C-50 DEG C)
STORAGE TEMPERATURE	-4F - 140 DEG F (-20 DEC C - 60 DEG C)
HUMIDITY	5%-95% RH NON-CONDENSING
<b>CERTIFICATION</b>	
NOISE LEVELS	65 db AT A HEIGHT OF 60 INCHES AND DISTANCE OF 24 INCHES
CE / FCC / RoHS	

## DIMENSIONS

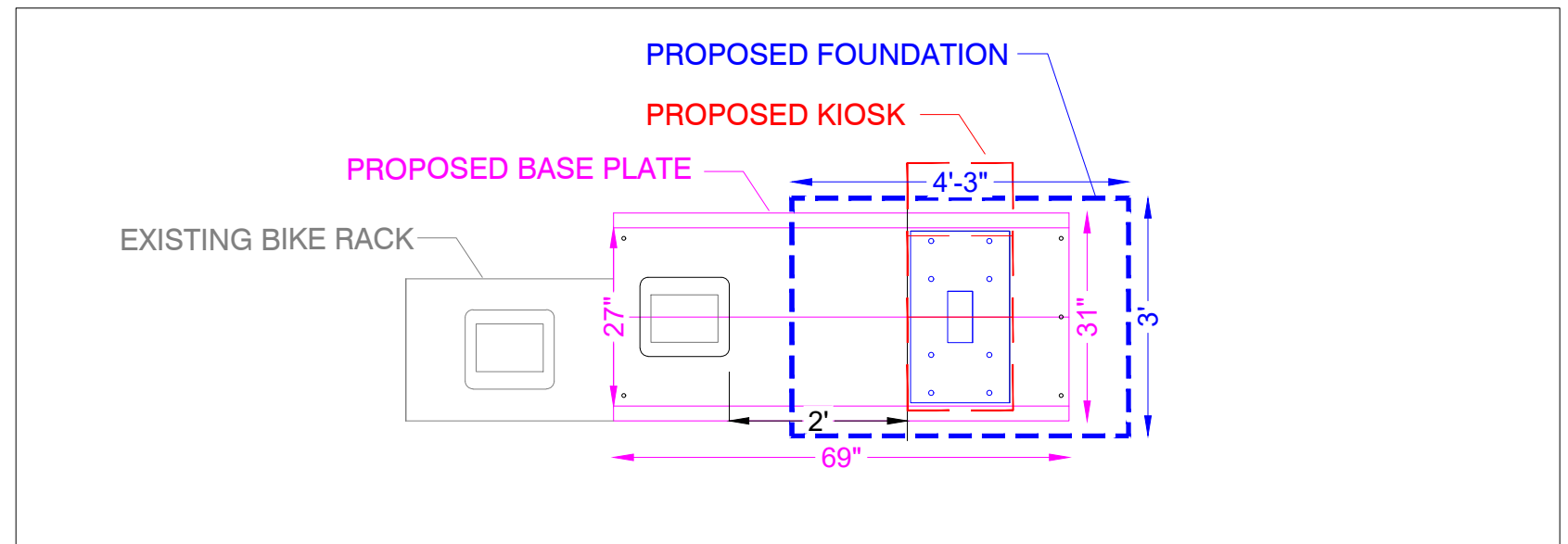
UNITS - MM (INCHES)



## KIOSK CROSS SECTION WITH BASE PLATE



## BIKE RACK BASE PLATE EXTENSION DETAIL



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PRIOR TO CONSTRUCTION

REVISION DESCRIPTION	REV #	DATE	IKE SMART CITY - PHILADELPHIA PHL-049
			KIOSK DETAILS
			DRAWN BY: DA
			CHECKED BY:
			DATE: 3-24





PHI-IKE-018: WASHINGTON & 11TH



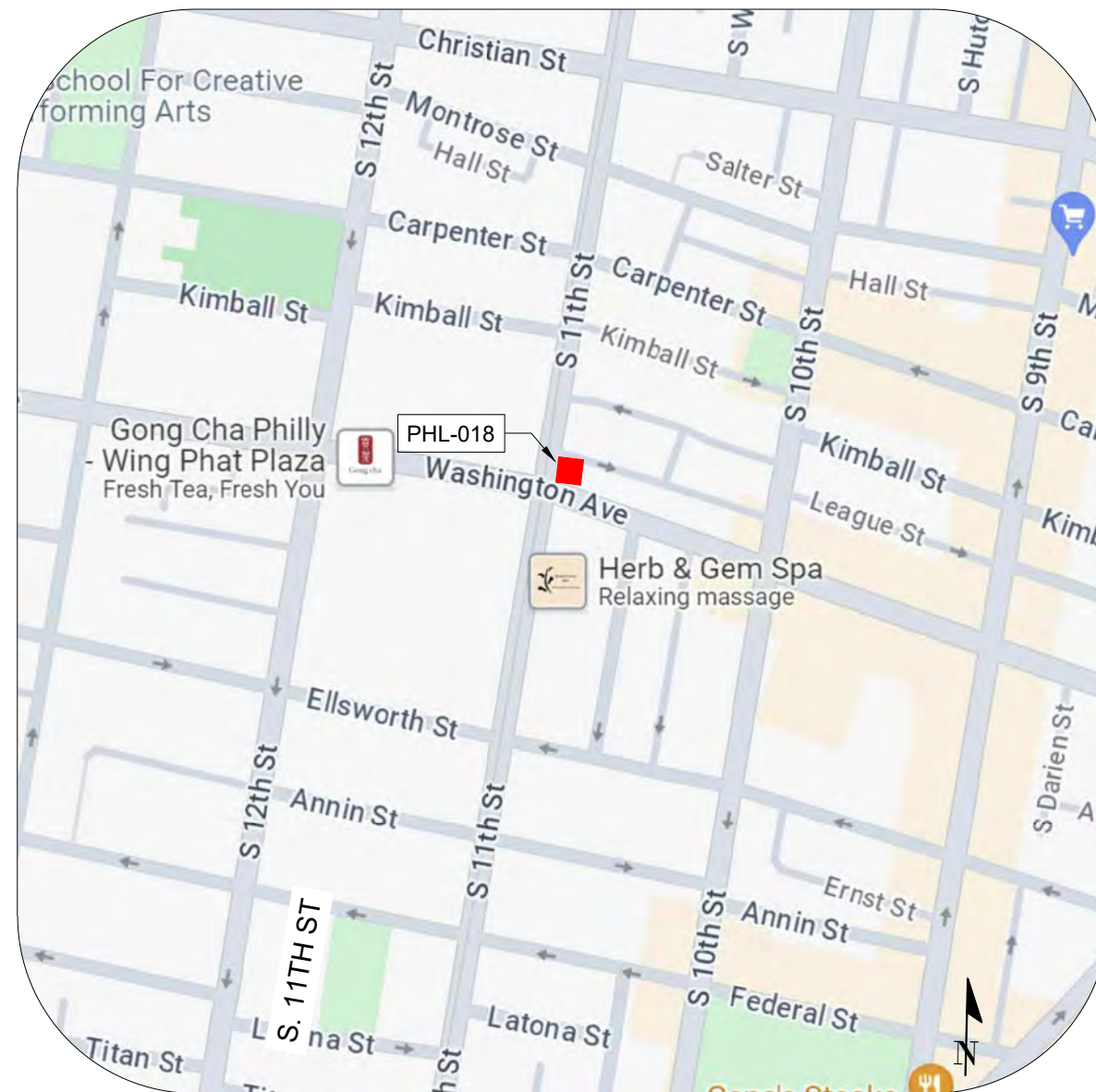
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# CONSTRUCTION PLANS FOR IKE SMART CITY - PHILADELPHIA

## PHL-018 WASHINGTON AVE & 11th ST CITY OF PHILADELPHIA, PENNSYLVANIA

### DRAWING INDEX:

SHEET	DESCRIPTION
C-0	COVER
C-1	GENERAL NOTES
C-2	EXISTING CONDITIONS
C-3	INTERSECTION VISIBILITY
C-4	SITE PLAN
C-4B	SITE PLAN DETAIL
C-5	CONSTRUCTION DETAILS
E-1	ELECTRICAL SITE
S-1	FOUNDATION DETAILS
S-2	KIOSK DETAILS



SITE MAP

## MARCH, 2024

### PROJECT DESCRIPTION

INSTALL INTERACTIVE KIOSK AND SHALLOW FOUNDATION WITHIN THE EXISTING SIDEWALK IN THE RIGHT OF WAY. INSTALL CONDUIT, HANDHOLE, METER/ DISCONNECT TO CONNECT TO PECO POWER. REPAIR CONCRETE SIDEWALK, CURB AND GUTTER, AND ASPHALT THAT IS TO BE DISTURBED DURING INSTALLATION

### CLIENT:

IKE SMART CITY, LLC.  
250 N HARTFORD AVE  
COLUMBUS OHIO 43222



\*\*\*\*NOTE\*\*\*\*  
UTILITY & R.O.W. REPRESENTED ON PLANS ARE BASED ON RECORDS INFORMATION. NOT BASED ON BOUNDARY SURVEY & FIELD EXPOSURES.

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REVISION DESCRIPTION	REV #	DATE	IKE SMART CITY - PHILADELPHIA PHL-018 COVER SHEET

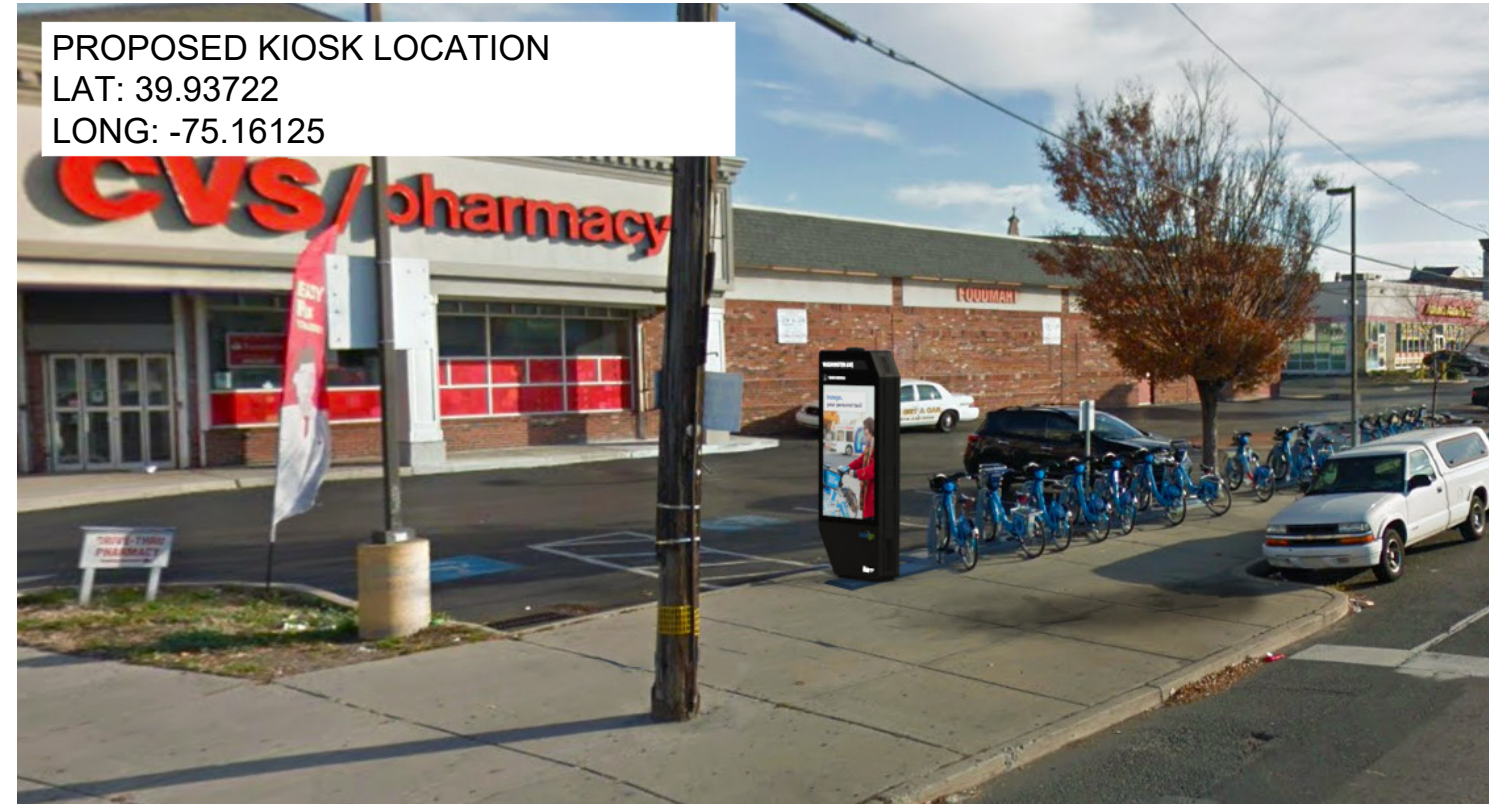
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CHECKED BY:  
DATE: 3/23/24  
C-0



**GENERAL CONSTRUCTION NOTES**

1. ALL CONSTRUCTION, MATERIAL, AND RESTORATION SHALL CONFORM TO THE DESIGN AND CONSTRUCTION STANDARDS OF THE CITY OF PHILADELPHIA.
2. THE CONTRACTOR SHALL BE RESPONSIBLE TO FURNISH ALL MATERIAL AND LABOR TO CONSTRUCT THE FACILITY AS SHOWN AND DESCRIBED.
3. ALL EXISTING UTILITY LOCATIONS SHOWN ON THESE DRAWINGS ARE APPROXIMATE AND MAY NOT ALL BE SHOWN. THE CONTRACTOR SHALL CONTACT ONE CALL SYSTEM TO HAVE THEM LOCATE EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR CONTACTING AND COORDINATING LOCATING OF PRIVATE FACILITIES.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL PUBLIC AND PRIVATE UTILITIES IN THE CONSTRUCTION OF THIS PROJECT, INCLUDING FACILITIES NOT SHOWN ON THE PLANS. ALL INFRASTRUCTURE MUST BE TO PROPER GRADE PRIOR TO AND AFTER PLACING PERMANENT PAVING. UTILITIES MUST BE MAINTAINED TO PROPER LINE AND GRADE DURING CONSTRUCTION OF ANY PAVING FOR THIS PROJECT.
5. BRACING OF UTILITY POLES MAY BE REQUIRED BY UTILITY COMPANIES WHEN TRENCHING OR EXCAVATION IS IN CLOSE PROXIMITY TO THE POLES. THE COST OF BRACING POLES WILL BE BORNE BY THE CONTRACTOR. THERE IS NO SEPARATE PAY ITEM FOR THIS WORK. THE COST IS INCIDENTAL TO THE VARIOUS PAY ITEMS FOR INSTALLATION OF THE KIOSK.
6. ALL EXISTING CONCRETE PAVING, SIDEWALKS, AND CURBS NOTED FOR DEMOLITION SHALL BE REMOVED IN THEIR ENTIRETY AND DISPOSED OF BY THE CONTRACTOR OFF SITE, UNLESS OTHERWISE DIRECTED BY THE OWNER.
7. THE CONTRACTOR SHALL REPAIR OR REPLACE ANY PHYSICAL DAMAGE TO PUBLIC OR PRIVATE PROPERTY, INCLUDING BUT NOT LIMITED TO, FENCES, BOLLARDS, WALLS, PAVEMENT, GRASS, TREES, PLANTERS, DECORATIVE LIGHTING, AND LAWN SPRINKLER AND IRRIGATION SYSTEMS AT NO COST TO THE OWNER. THIS WORK SHALL BE SUBSIDIARY TO THE CONTRACT (UNLESS OTHERWISE NOTED)
8. THE CONTRACTOR SHALL REMOVE ALL SURPLUS MATERIAL AND TRASH FROM THE PROJECT AREA. THIS WORK SHALL BE SUBSIDIARY TO THE CONTRACT AND IS NOT A SEPARATE PAY ITEM.
9. TRAFFIC CONTROL- THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN AND VEHICULAR TRAFFIC AT ALL TIMES DURING CONSTRUCTION AND SHALL PROVIDE ANY NECESSARY, BARRICADES, LIGHTING, SIGNS, AND FLAGMEN, FOR THE MOT TO PROVIDE SAFETY TO THE PUBLIC.
10. THE CONTRACTOR MAINTAIN A COPY OF ALL PERMITS AT THE JOB SITE AT ALL TIMES.
11. THE CONTRACTOR SHALL NOTIFY PROJECT MANAGER WITH ANY DISCREPANCIES ON THE DRAWINGS BEFORE COMMENCING WORK. FIELD CHANGES OR DEVIATIONS FROM THE DESIGN WILL NOT BE ALLOWED WITHOUT PRIOR APPROVAL FROM THE OWNER. CONSIDERATION WILL NOT BE GIVEN TO CHANGE ORDERS FOR WHICH THE OWNER AND PROJECT MANAGER WERE NOT CONTACTED PRIOR TO CONSTRUCTION OF THE AFFECTED ITEM.
12. ALL COPIES OF COMPACTION, CONCRETE, AND OTHER REQUIRED TEST RESULTS ARE TO BE SENT TO THE PROJECT MANAGER DIRECTLY FROM THE TESTING AGENCY.
13. ALL NECESSARY INSPECTIONS AND/ OR CERTIFICATIONS REQUIRED BY CODES, JURISDICTIONAL AGENCIES, AND/ OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO FINAL INSPECTION.

**CONCEPTUAL LAYOUT**



PLEASE NOTE RENDERING DOES NOT REPRESENT EXACT PLACEMENT LOCATION OF PROPOSED KIOSK AND IS CONCEPTUAL ONLY. PLEASE REFER TO CIVIL PLANS FOR EXACT PLACEMENT LOCATION



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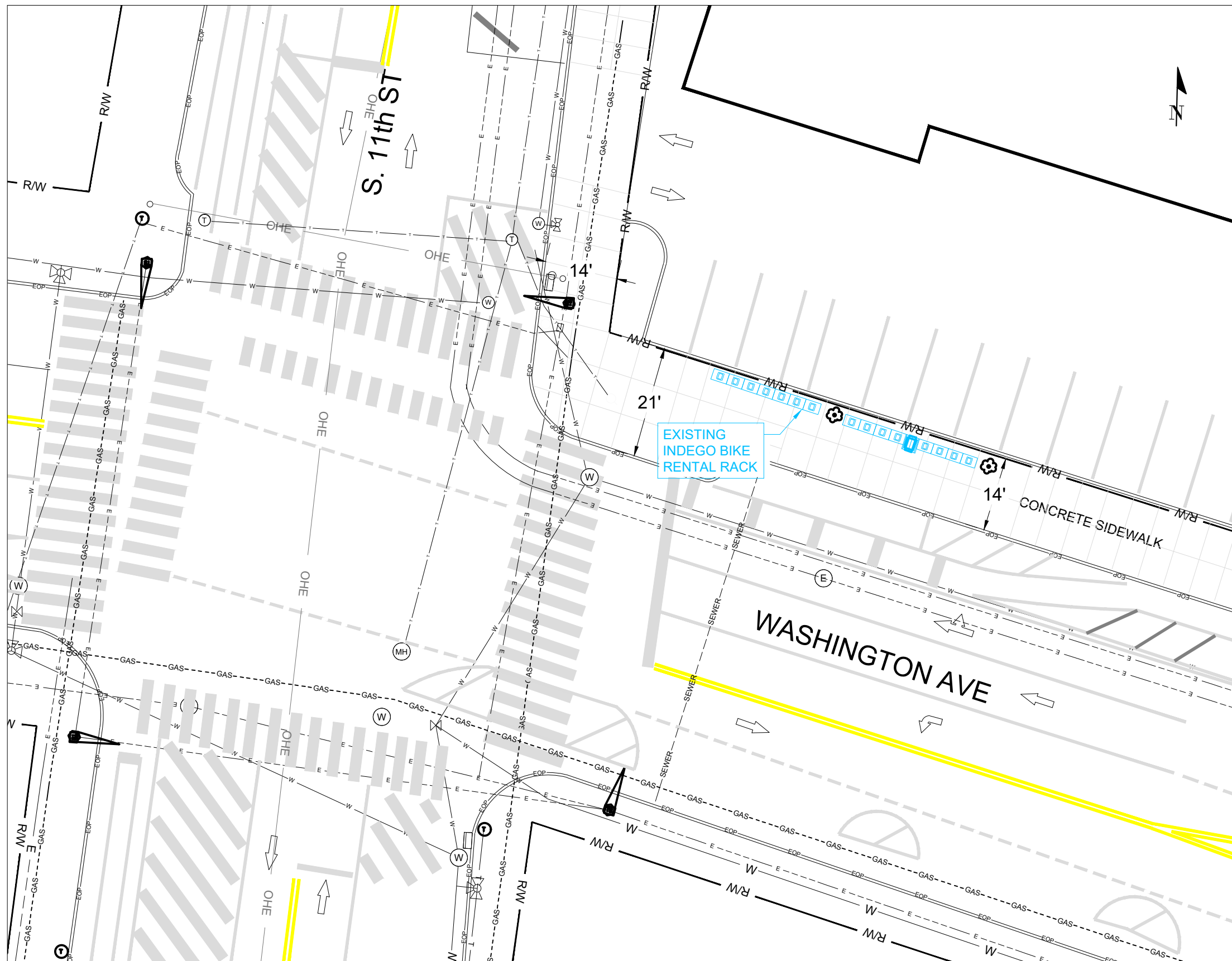
CAUTION!!!  
 CONTRACTOR TO LOCATE & VERIFY ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION

REVISION DESCRIPTION	REV #	DATE	IKE SMART CITY - PHILADELPHIA PHL-018
			GENERAL NOTES
			DRAWN BY: RLB
			CHECKED BY:
			DATE: 3/23/24
			C-1



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## EXISTING CONDITIONS



SCALE: 1"=20'

### NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING LOCATION OF ALL EXISTING UTILITIES BOTH SHOWN OR NOT SHOWN ON PLANS.
2. EXISTING CONDITIONS SHOWN ARE BASED ON THE EXISTING MAPS, RECORDS AND SITE VISIT. LOCATION OF EXISTING UTILITIES SHOWN ARE APPROXIMATE.
3. DESIGNER AND WITHOUT LIABILITY, MAY ADD OR OMIT EXISTING CONDITION INFORMATION.

### LEGEND

	BUS STOP		SHRUBBERY
	DEPTH OF COVER		SIGN
	ELECTRICAL MANHOLE		SIGNAL CONTROLLER
	ELECTRICAL BOX		STREET LIGHT ASSEMBLY
	FIRE HYDRANT		STORM DRAIN CATCH BASIN
	FOREIGN MARKERS		STORM DRAIN CULVERT
	GAS METER		STORM DRAIN MANHOLE
	GAS VALVE		TELEPHONE VAULT
	JUNCTION BOX		TELEPHONE MANHOLE
	MAIL BOX		TRAFFIC FLOW
	PAD MOUNTED TRANSFORMER		TRAFFIC SIGNAL POLE
	PROPOSED HANDHOLE		TREE
	R/R CROSSING GATE		WATER METER
	UTILITY POLE		WATER VALVE
	UTILITY POLE ANCHOR		YARD LIGHT
	SAN. SEWER MANHOLE		

### LINETYPES

	BOC	BACK OF CURB		PROPOSED CONDUIT
	CL	CENTERLINE		OHE OVERHEAD ELECTRIC
	EOP	EDGE OF PAVEMENT		E ELECTRIC
	FENCE LINE			GAS
	GUARD RAIL			CATV CABLE TV
	P/L	PROPERTY LINE		SAN SANITARY SEWER
	RW	RIGHT OF WAY		SD STORM SEWER
	RAILROAD			TELECOM
	L	LEASED CONDUIT		W WATER
	EDGE OF WATER			TRAFFIC SIGNAL



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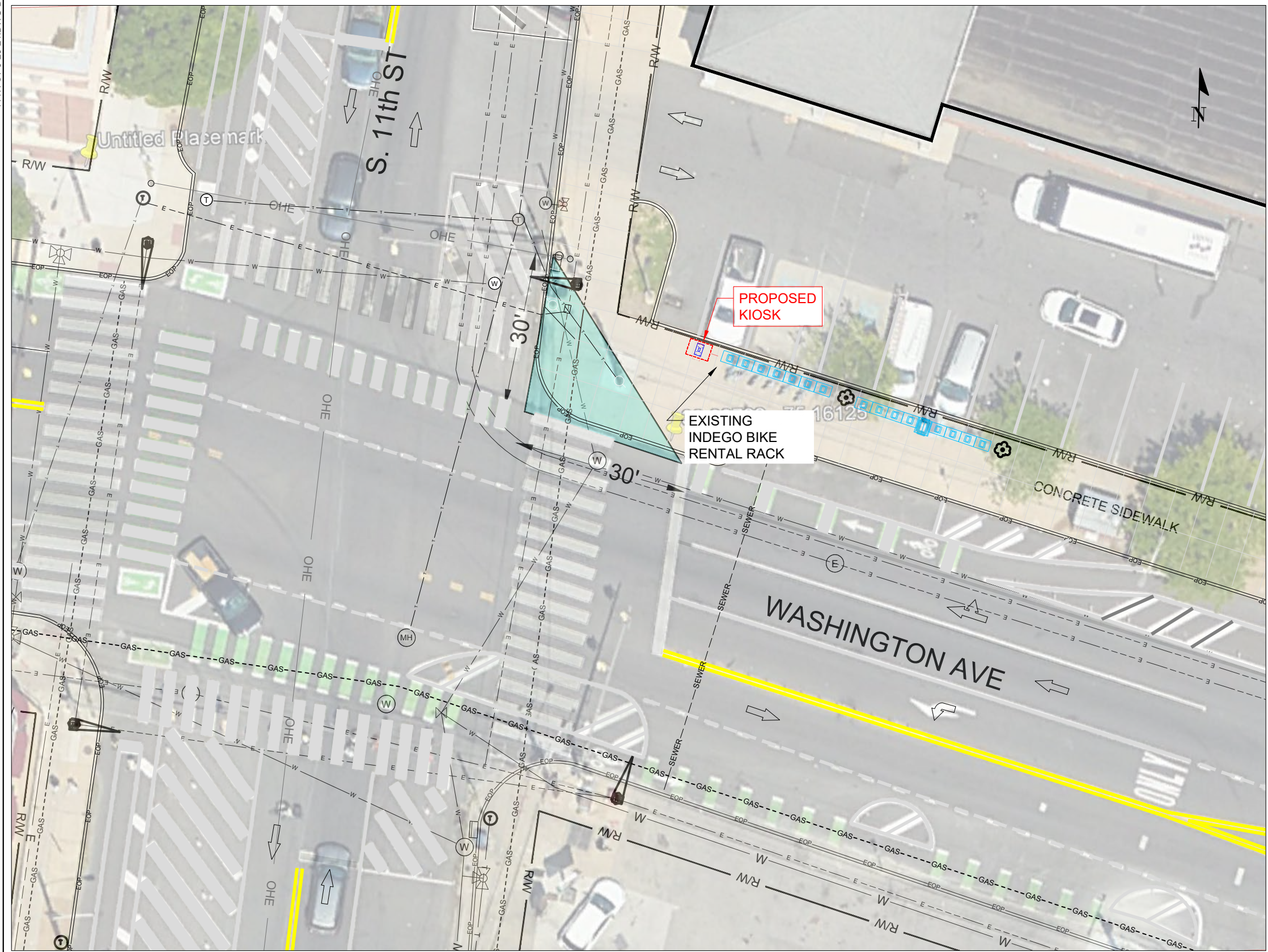
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			<b>EXISTING CONDITIONS</b>
			DRAWN BY: RLB
			CHECKED BY: <span style="float: right;">C-2</span>
			DATE: 3/23/24



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## INTERSECTION VISIBILITY



### NOTES:

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### LEGEND

	BUS STOP		SHRUBBERY
	DEPTH OF COVER		SIGN
	ELECTRICAL MANHOLE		SIGNAL CONTROLLER
	ELECTRICAL BOX		STREET LIGHT ASSEMBLY
	FIRE HYDRANT		STORM DRAIN CATCH BASIN
	FOREIGN MARKERS		STORM DRAIN CULVERT
	GAS METER		STORM DRAIN MANHOLE
	GAS VALVE		TELEPHONE VAULT
	JUNCTION BOX		TELEPHONE MANHOLE
	MAIL BOX		TRAFFIC FLOW
	PAD MOUNTED TRANSFORMER		TRAFFIC SIGNAL POLE
	PROPOSED HANDHOLE		TREE
	R/R CROSSING GATE		WATER METER
	UTILITY POLE		WATER VALVE
	UTILITY POLE ANCHOR		YARD LIGHT
	SAN. SEWER MANHOLE		

### LINETYPES

	BACK OF CURB		PROPOSED CONDUIT
	CENTERLINE		OVERHEAD ELECTRIC
	EDGE OF PAVEMENT		ELECTRIC
	FENCE LINE		GAS
	GUARD RAIL		CABLE TV
	PROPERTY LINE		SANITARY SEWER
	RIGHT OF WAY		STORM SEWER
	RAILROAD		TELECOM
	LEASED CONDUIT		WATER
	EDGE OF WATER		TRAFFIC SIGNAL

SCALE: 1"=20'



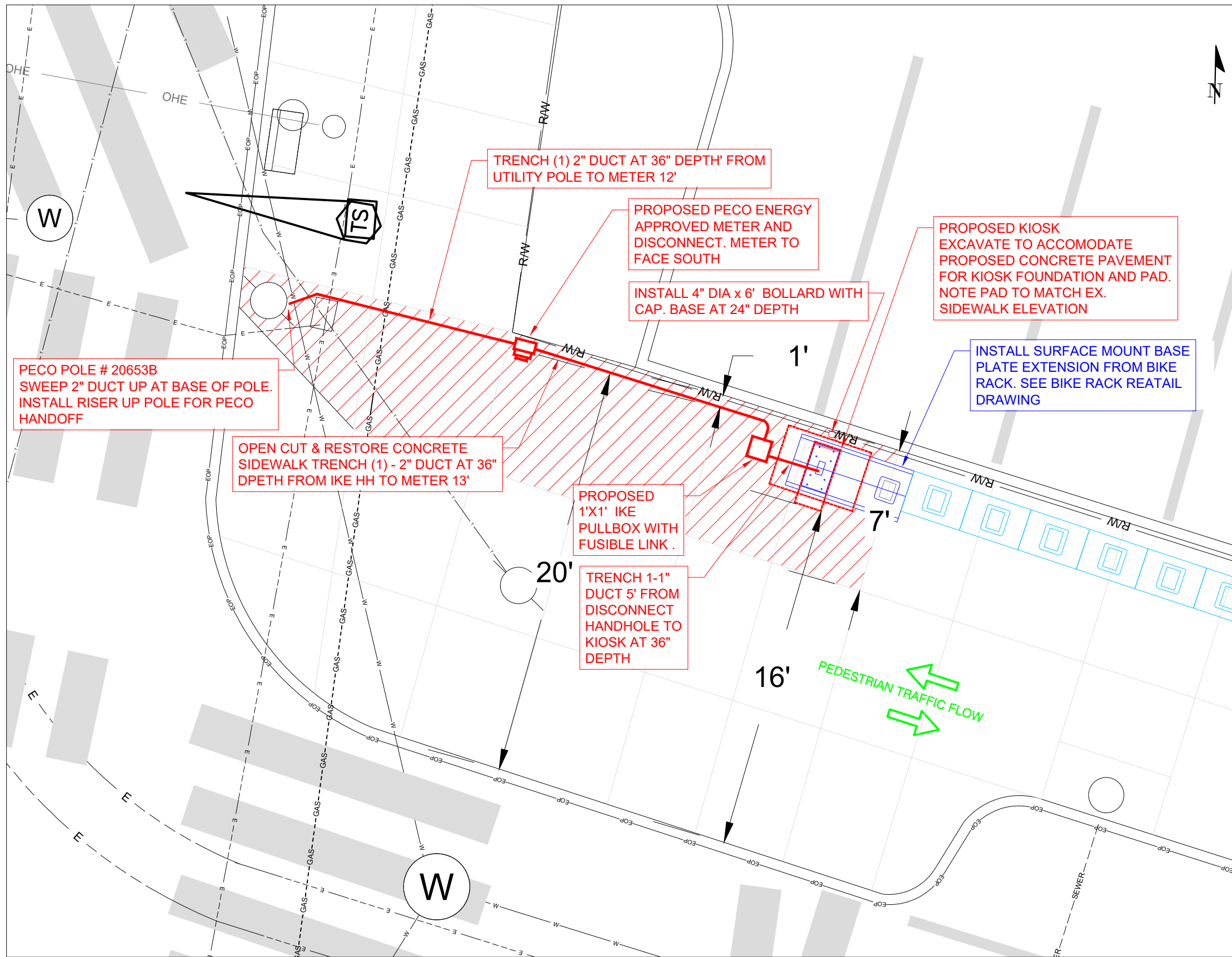
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			EXISTING CONDITIONS
			DRAWN BY: RLB
			CHECKED BY: _____
			DATE: 3/23/24
			C-2



# SITE PLAN



## NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING LOCATION OF ALL EXISTING UTILITIES BOTH SHOWN OR NOT SHOWN ON PLANS.
2. EXISTING CONDITIONS SHOWN ARE BASED ON THE EXISTING MAPS, RECORDS AND SITE VISIT. LOCATION OF EXISTING UTILITIES SHOWN ARE APPROXIMATE.
3. AT THE DISCRETION OF THE DESIGNER AND WITHOUT LIABILITY, MAY ADD OR OMIT EXISTING CONDITION INFORMATION.

## LEGEND

	BUS STOP		SHRUBBERY

## LINETYPES

	BOC	BACK OF CURB		PROPOSED CONDUIT
	CENTERLINE			OVERHEAD ELECTRIC
	EOP	EDGE OF PAVEMENT		ELECTRIC
	FENCE LINE			GAS
	GUARD RAIL			CABLE TV
	P/L	PROPERTY LINE		SANITARY SEWER
	RW	RIGHT OF WAY		STORM SEWER
	RAILROAD			TELECOM
	L	LEASED CONDUIT		WATER
	EDGE OF WATER			TRAFFIC SIGNAL

SCALE: 1"=5'



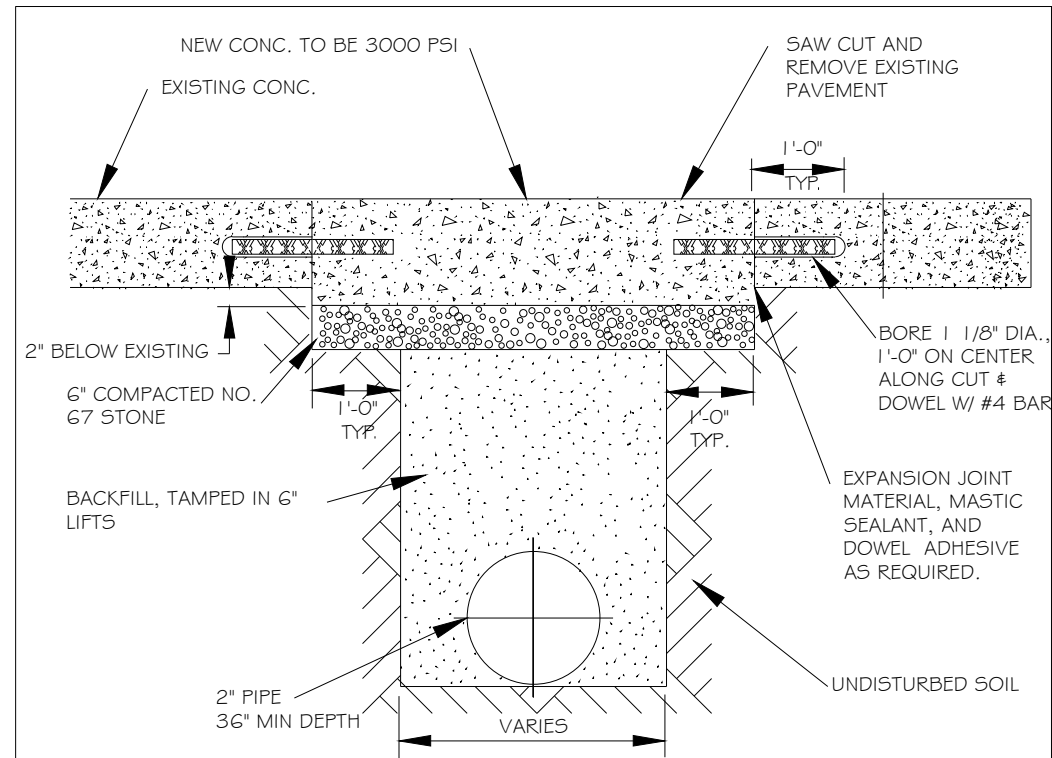
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REVISION DESCRIPTION	REV #	DATE	IKS SMART CITY - PHILADELPHIA PHL-018 SITE PLAN
			DRAWN BY: RLB
			CHECKED BY: RLB
			DATE: 3/25/24
			C-4

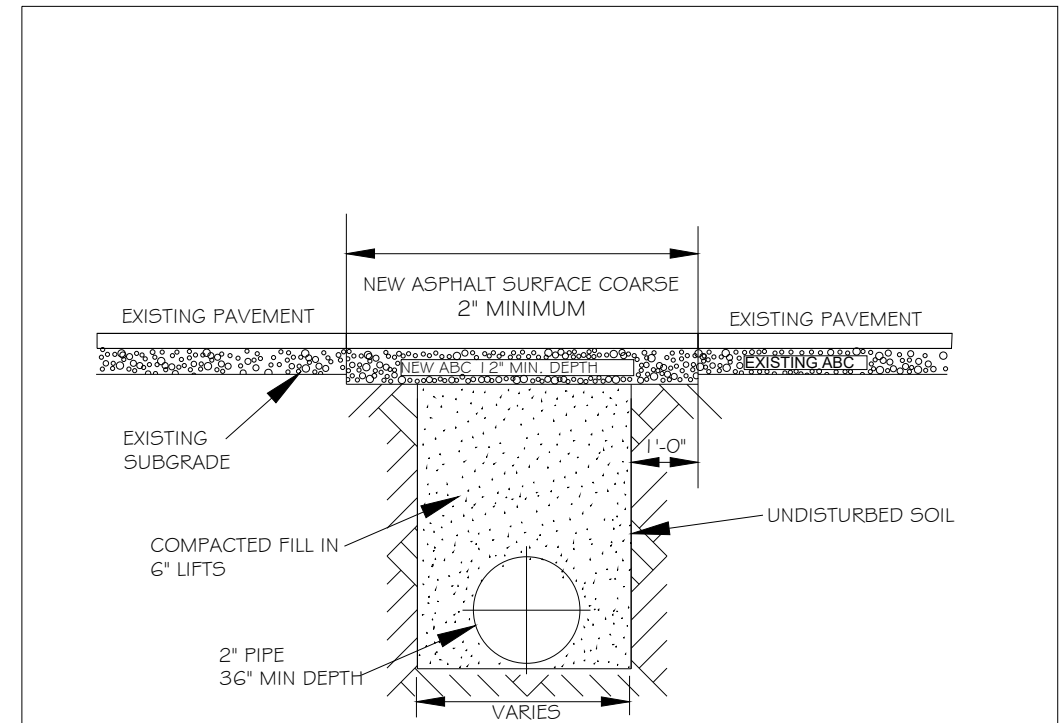


# OPEN TRENCH DETAILS



STANDARD CONCRETE  
PAVEMENT PATCH DETAIL

DWG. NO.	REVISIONS	DATE	REVISIONS	DATE



STANDARD ASPHALT  
PAVEMENT PATCH DETAIL

DWG. NO.	REVISIONS	DATE	REVISIONS	DATE

SCALE: N.T.S.



\*\*\*\*\*NOTE\*\*\*\*\*  
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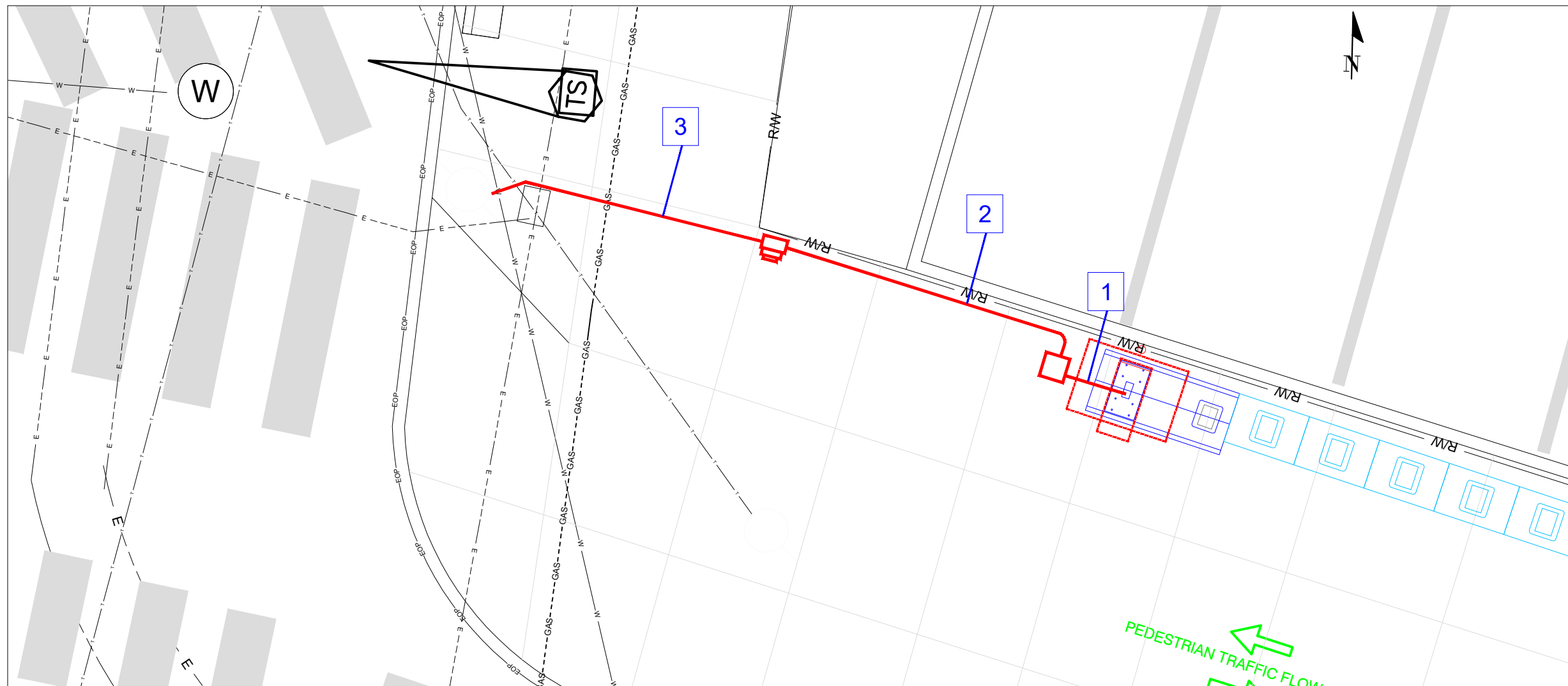
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			CHECKED BY: C-5
			DATE: 3/25/24



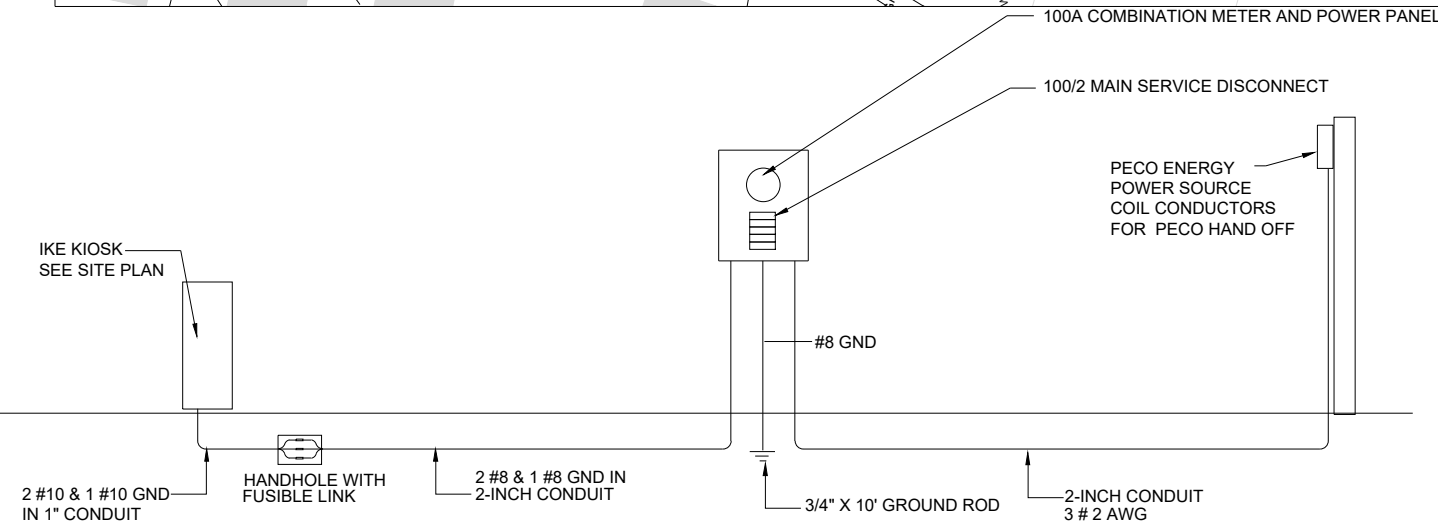
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# ELECTRICAL SITE PLAN

SCALE: 1"=5'



VOLTAGE CALCULATIONS			
SECTION	1	2	3
SECTION WIRE DISTANCE	9'	18'	40'
CONDUIT SIZE	1" DUCT	2" DUCT	2" DUCT
WIRE SIZE	#10 AWG	#8 AWG	#2 AWG
VOLTAGE DROP CALC.	.5V	0.70V	0.39V



**ELECTRICAL RISER DIAGRAM TYPICAL**  
120/240V 1-PHASE 3-WIRE

Load Type	LOAD (KVA)						LOAD (KVA)						LOAD TYPE	
	MISC.	HVAC	LTS.	REC.	Brkr. Size		A	B	Brkr. Size	REC.	LTS.	HVAC		MISC.
LCD Panel	2.2	-	-	-	30/1	1			2	100/2	-	-	-	Service Main
-	-	-	-	-	-	3			4	-	-	-	-	Disconnect
-	-	-	-	-	-	5			6	-	-	-	-	-
-	-	-	-	-	-	7			8	-	-	-	-	-
-	-	-	-	-	-	9			10	-	-	-	-	-
Totals	2.2	0.0	0.0	0.0						0.0	0.0	0.0	0.0	Totals
Panel:	PHL-018						LOADS						S/N Bar	
Voltage:	120/240						CONNECTED	Demand Factor	Demand Total	X			GROUND BAR	
Phase:	1						LTS.	0.0	125%	0.0	Pedestal			Mounting Type
Wire:	3						REC.	0.0	***	0	22,000			MIN AIC
Mains:	100A						MISC.	2.2	100%	2.2				Series Rated*****
Main Breaker:	100A						HVAC	0.0	****	0.0	X			NEW
							TOTAL (KVA)	2.2		2.2				EXISTING
							TOTAL (AMPS)	18.3		18.3				



\*\*\*\*NOTE\*\*\*\*  
UTILITY & R.O.W. REPRESENTED ON PLANS ARE BASED ON RECORDS INFORMATION. NOT BASED ON BOUNDARY SURVEY & FIELD EXPOSURES.

**CAUTION!!!**  
CONTRACTOR TO LOCATE & VERIFY ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION

REVISION DESCRIPTION	REV #	DATE	IKE SMART CITY - PHILADELPHIA PHL-018
			OPEN TRENCH DETAILS
			DRAWN BY: RLB
			CHECKED BY:
			DATE: 3/25/24
			E-1



**GENERAL STRUCTURAL NOTES**

- All work shall be performed in accordance with the contract documents. In case of a conflict within the contract documents, the more stringent condition shall govern, unless directed otherwise by the engineer of record. Prior to implementation, any discrepancies shall be reported to the architect for clarification.
- In the event that certain details of construction are not indicated or noted in the drawings, details for similar conditions that are indicated or noted shall be utilized, subject to the structural engineer's approval.
- Openings and penetrations through structural elements, and items embedded in structural elements that are not indicated in the structural drawings shall be reviewed by the structural engineer prior to fabrication, erection and/or construction.
- The structure has been designed for the in-service loads only. The methods, procedures and sequences of construction are the responsibility of the contractor. Contractor shall take all necessary precautions to maintain and ensure the integrity of the structure at all stages of construction. Contractor shall immediately notify the structural engineer of any condition which, in his opinion, might endanger the stability of the structure or cause distress in the structure.
- All existing conditions and all related dimensions indicated in the contract documents shall be field verified prior to fabrication, erection and/or construction. Any condition that differs from that indicated in the contract documents shall be submitted to the architect for review prior to fabrication, erection and/or construction.
- The structure has been designed to meet or exceed serviceability requirements of section 1604.3 of the International Building Code. All non-structural components & their connections that are anchored to the structure shall be designed to allow for the movement of the structure caused by wind, snow, live, thermal, shrinkage/creep and earthquake loads. Non-structural components include items such as non-load bearing walls, MEP components, bulkheads, etc.
- Provide special inspection in accordance with chapter 17 of the International Building Code and with project specifications.
- Unless noted otherwise, all loads specified in these documents are nominal loads and are to be entered into the appropriate strength or allowable stress design load combinations with appropriate factors, as defined by ASCE7, by the building component engineer in the design of their product. Gravity load shear beam reactions on plan for steel framing represent the combined service load effect from allowable stress design load combinations.

**GENERAL FOUNDATION AND CONCRETE NOTES**

- A registered geotechnical engineer shall be retained to confirm that the soils at the site are capable of the design soil bearing pressure. This will require a report by the geotechnical engineer. (Quantity, depth, and location of soil borings shall be at the discretion of the geotechnical engineer) The contractor shall implement all requirements and recommendations stated in this report.
- It is strongly recommended that the geotechnical engineer of record that produces the report be retained to provide the soils testing and inspections during construction.
- Fill material shall be thoroughly compacted prior to placement of concrete. Fill under all slabs on grade shall be as recommended in the geotechnical report. If there is no geotechnical report, a minimum of 6" of well draining granular material shall be placed under all slabs on grade (UNO elsewhere in the construction documents).
- Coordinate finish of all foundation work, including slabs on grade, with architectural and flooring supplier's requirements.
- Cover for reinforcing shall be in accordance with ACI-318.
- All exposed edges of concrete piers, beams, and walls shall be chamfered 3/4" x 45 degrees. UNO
- Coordinate placement of KIOSK anchor rods with foundation reinforcing. All column anchor rods shall be installed using templates and setting drawings. No tilted or misplaced bolts will be accepted. Notify Architect/Engineer for approval of any corrective action. Tolerances for the installation of the anchor bolts shall be in accordance with AISC "Code of Standard Practice" guidelines.
- Anchors for embedded plates shall be as shown on the drawings. Headed studs shall conform to ASTM A108 and AWS D1.1 Grade B. Reinforcing bars to be welded to plates shall be ASTM A615 Grade 40 or ASTM A706 Grade 60.
- Refer to "General Structural Notes" for information regarding special inspections and installation of post installed anchors.

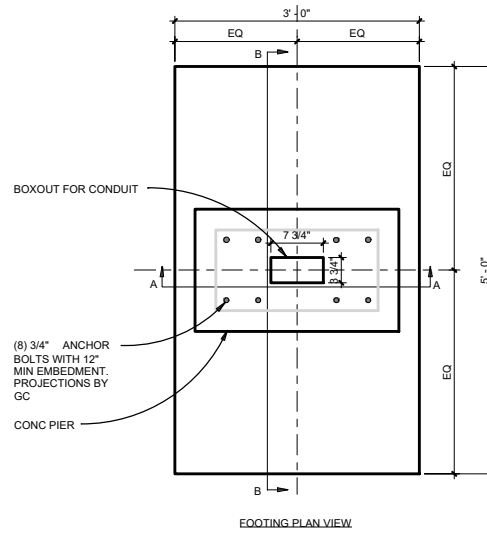
**CONCRETE NOTES**

- All concrete shall be done in accordance with ACI 117, 211, 301, 302, 315, 347 and 318 requirements, and as stated on contract documents.
- Coordinate finish of exposed concrete with Architect.
- Testing of concrete shall be provided for each KIOSK foundation and pier installed, and shall include but is not limited to slump, air content, concrete temperature, unit weight, and compressive strength. All testing shall follow ASTM standards.
- Admixtures shall contain no more than 0.1 percent water-soluble chloride ions by mass of cementitious material. Do not use admixtures containing calcium chloride.
  - Water-Reducing Admixture: ASTM C494, Type A
  - High-Range, Water-Reducing Admixture: ASTM C494, Type F
  - Water-Reducing and Accelerating Admixture: ASTM C494, Type E
  - Water-Reducing and Retarding Admixture: ASTM C494, Type D
  - Air-Entraining Admixture: ASTM C260
- Repair and patch defective areas as directed by Architect.

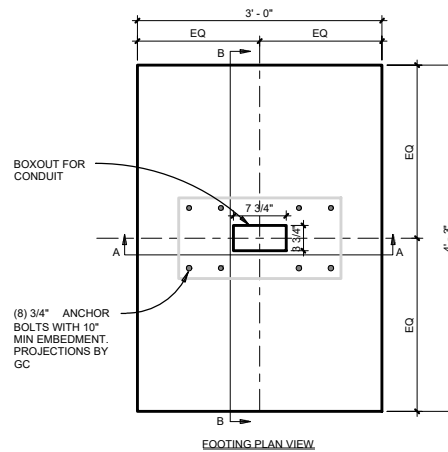
**ENGINEERING DATA**

Design soil bearing pressure	1000 psf (assumed)
Design stresses	
Concrete	
Footings and Foundations	$f_c = 3500$ psi
Grade slabs	$f_c = 3500$ psi
Reinforcing steel	$f_y = 60000$ psi
Structural design requirements	
Risk Category	I
Wind Load	
Ultimate design wind speed (3 sec)	120 mph
Wind exposure category	C
Signage pressure coeff (GC)	1.35
Components & cladding (varies)	27 psf
Signage design pressure	
Seismin Design Category	A or B (assumed)
Specific Design Loads	
Kiosk dead load	800 lb
Design codes	
General building code	IBC 2015
Concrete	ACI 318

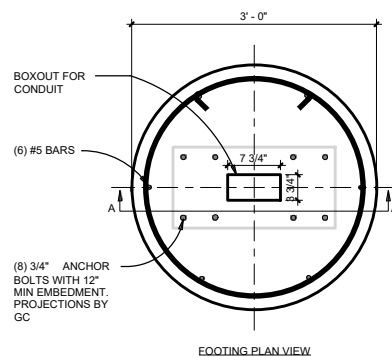
**FOUNDATION DETAILS**  
N.T.S



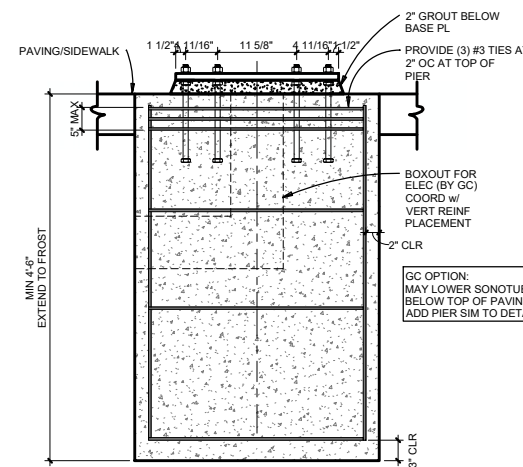
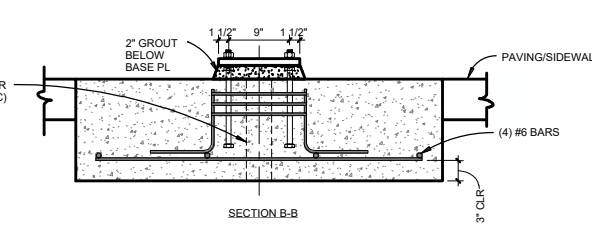
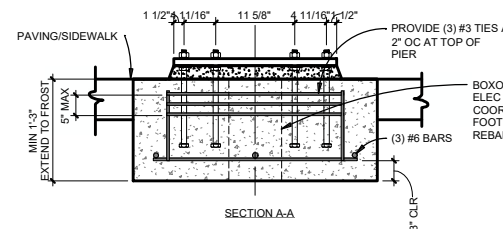
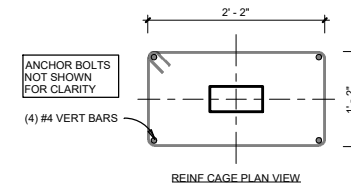
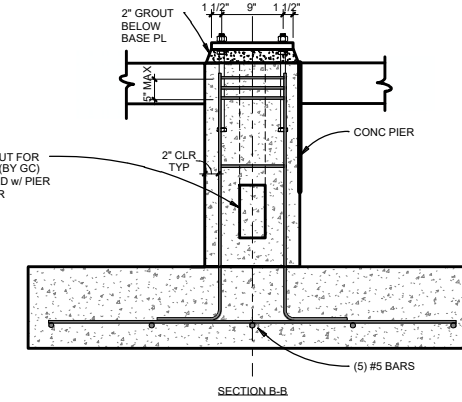
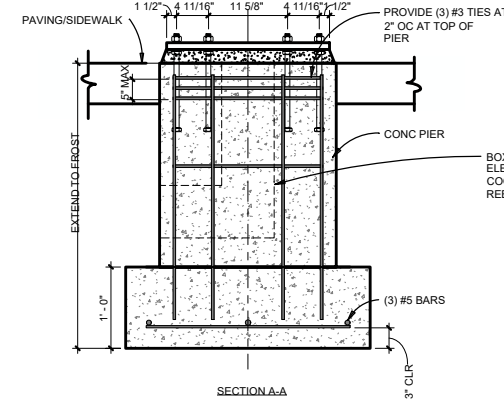
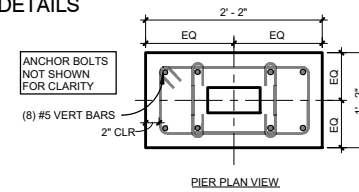
**1**  
**S101**  
**OPTION 1 SPREAD FOOTING WITH PIER**  
SCALE: 1" = 1'-0"



**2**  
**S101**  
**OPTION 2 SHALLOW SPREAD FOOTING**  
SCALE: 1" = 1'-0"



**3**  
**S101**  
**OPTION 3 SONOTUBE**  
SCALE: 1" = 1'-0"



**REVISION DESCRIPTION**

**REV #**

**DATE**

IKE SMART CITY - PHILADELPHIA

KIOSK DETAILS

S-1



\*\*\*\*\*NOTE\*\*\*\*\*  
UTILITY & R.O.W. REPRESENTED ON  
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PRIOR TO CONSTRUCTION



# KIOSK DETAILS

SPECIFICATION	
MODEL	CIO651DR5
LCD PANEL SIZE	65 INCHES LCD (X2)
NATIVE RESOLUTION	1920 X 1080
BACKLIGHT	LED
DEFAULT COLOR TEMPERATURE	D65 (6500K)
BRIGHTNESS ( W/O GLASS)	4,000 NITS
COLOR DEPTH	10 BITS
CONTRAST RATIO	4000:1
RESPONSE TIME (TYP.)	8MS
VIEWING ANGLE	178DEG/ 178 DEG
LIGHT LIFETIME (TYP.)	100,000 HRS
BLACKENING DEFECT FREE	UP TO 110 DEG C (230 DEG F)
POLARIZED SUNGLASSES SUPPORT	YES
PANEL SURFACE	AG HAZE 3% 2H
POWER SUPPLY	INTERNAL
RATED VOLTAGE	100-240V-50/60HZ
POWER ON MODE (TYP./MAX)	1400 W/ 2200W
BEZEL WIDTH (B/L/R)	68.3 / 73.3 / 73.3 MM
POWDER COATING MATERIAL	ASTM B117
MONITOR DIMENSION (L X H X D)	2515.3 X 961.5 X 317.4 MM
MONITOR WEIGHT	820 LBS
OPTION WEIGHT	832 LBS
TOUCH SCREEN	PCAP
ORIENTATION	PORTRAIT
KEY LOCK	YES
AIRE VENT	TOP & BOTTOM
GLASS	8MM LAMINATED TEMPERED GLASS
LANGAUGE	ENGLISH
SUPPORT SNMP (UP TO V3.0)	YES
DIMMING CONTROL	YES
IMAGE RETENTION PROTECTION	YES
AMBIENT LIGHT SENSOR	YES
POWER ON/OFF SCHEDULING	YES
INTERNAL TEMPERATURE SENSOR	YES
HDMI	X6(2180P)
DISPLAY PORT	X2
USB 3.0	X2
MICRO SD SLOT	X2
AUDIO	X2
RS-232	IN X2
RJ-45	X 4 (LAN)
OPERATING TEMPERATURE	-20 DEG F - 120 DEG F (-30 C-50 DEG C)
STORAGE TEMPERATURE	-4F - 140 DEG F (-20 DEC C - 60 DEG C)
HUMIDITY	5%-95% RH NON-CONDENSING
NOISE LEVELS	65 db AT A HEIGHT OF 60 INCHES AND DISTANCE OF 24 INCHES
CERTIFICATION	CE / FCC / RoHS

### DIMENSIONS

UNITS -MM (INCHES)

73.3 (2.88) 807.3 (31.78) BEZEL OPEN 73.3 (2.88)

378.5 (14.90)

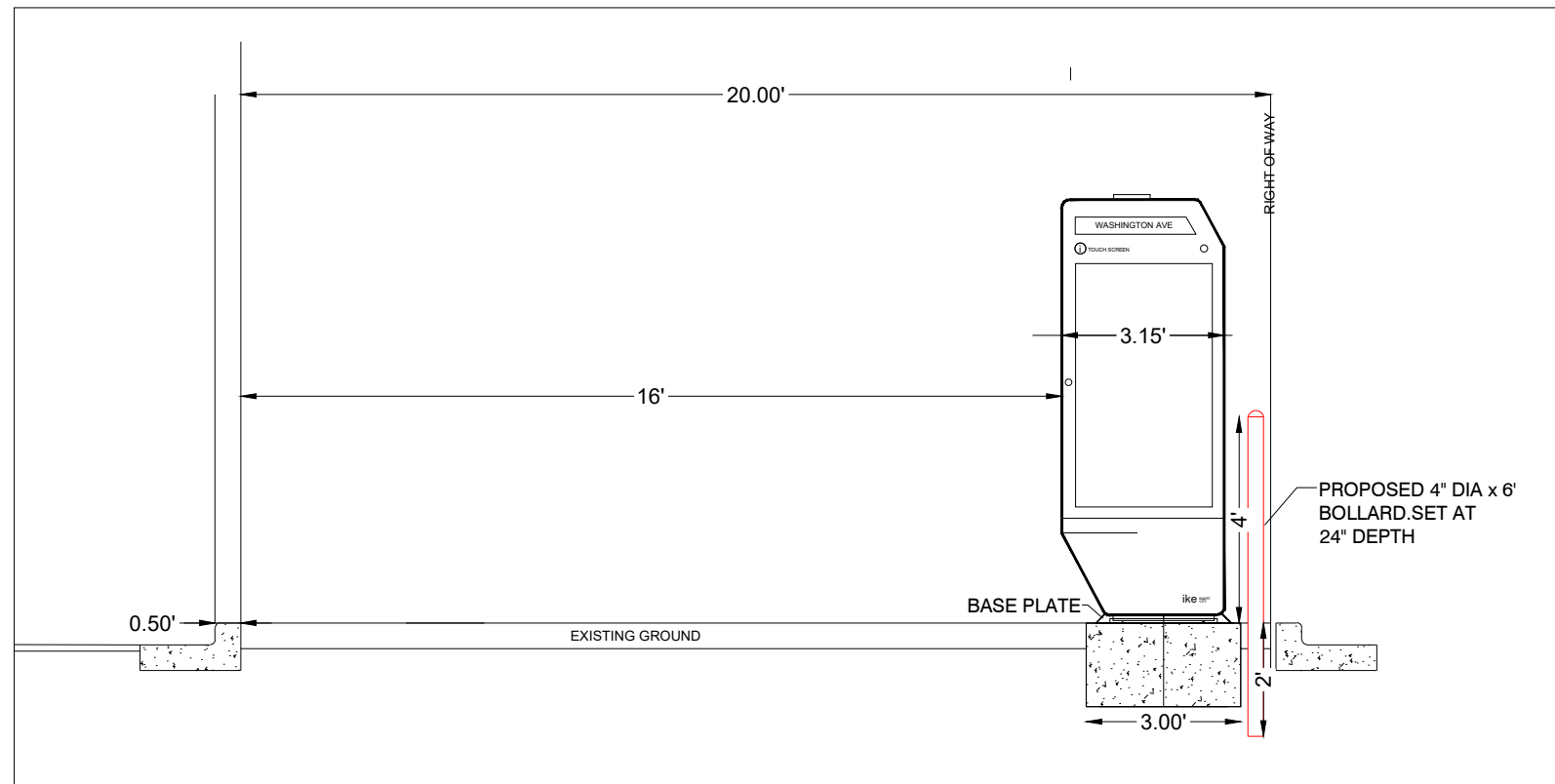
1432.4 (56.39) BEZEL OPEN

804.0 (31.65) ACTIVE AREA

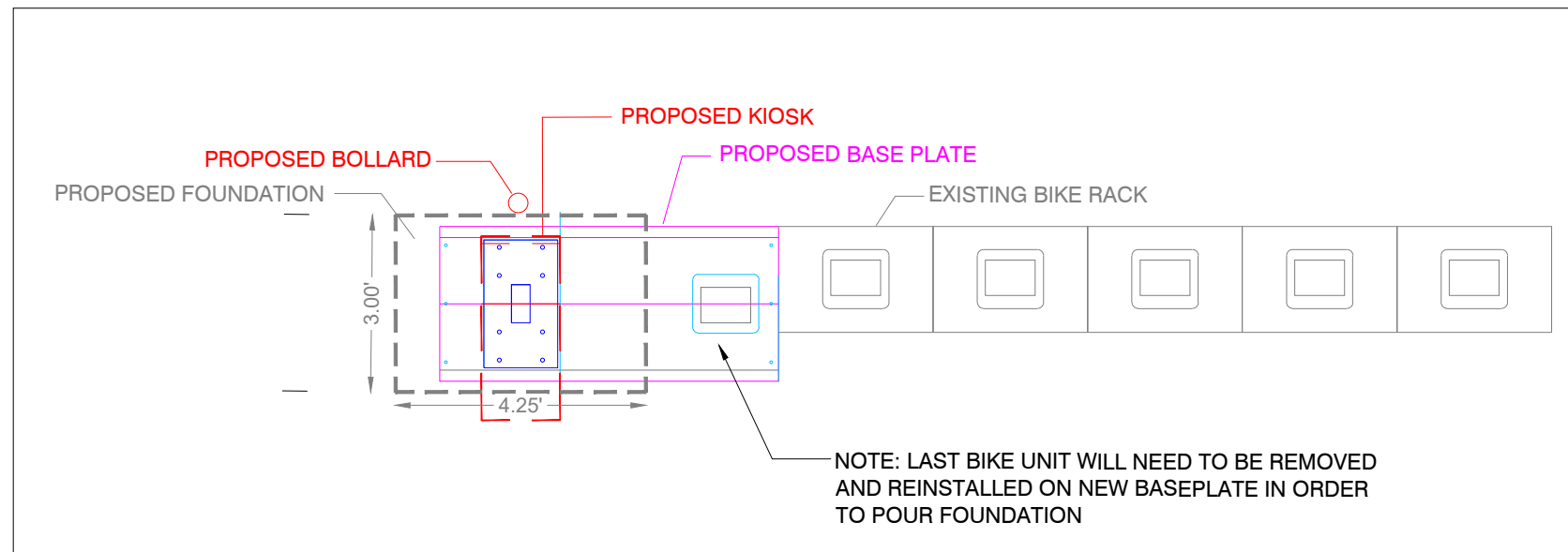
1428.0 (56.20) ACTIVE AREA

961.5 (37.85)

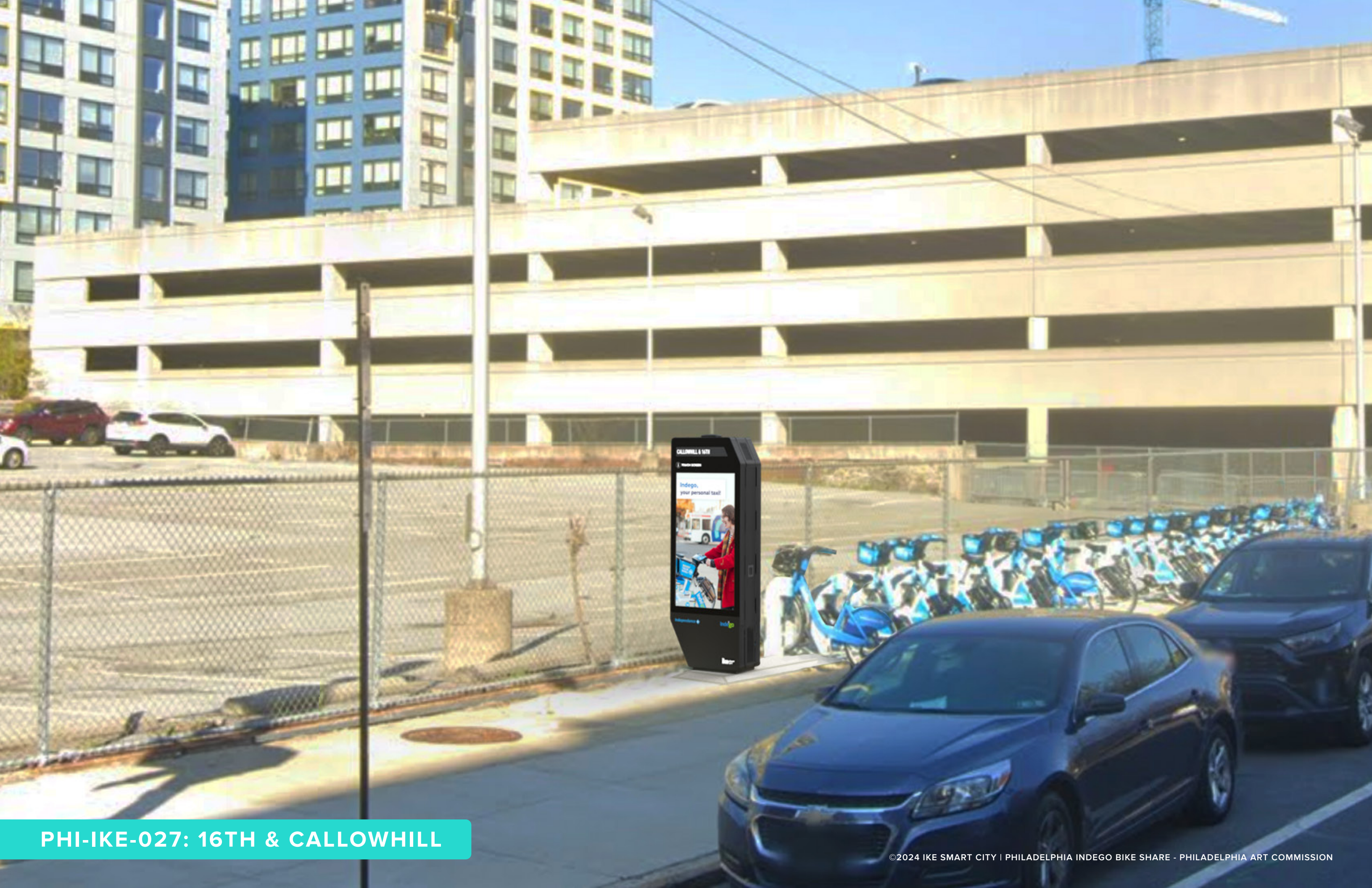
## KIOSK CROSS SECTION WITH BASE PLATE



## BIKE RACK BASE PLATE EXTENSION DETAIL







CALLOWHILL & 16TH  
Indego.  
your personal taxi.  
Indego logo

PHI-IKE-027: 16TH & CALLOWHILL



# CONSTRUCTION PLANS FOR IKE SMART CITY - PHILADELPHIA PHL-027 16TH ST & CALLOWHILL ST CITY OF PHILADELPHIA, PENNSYLVANIA



SITE MAP

### DRAWING INDEX:

SHEET	DESCRIPTION
C-0	COVER
SCIP	OVERALL SITE INFORMATION
C-1	GENERAL NOTES
C-2	EXISTING CONDITIONS
C-3	INTERSECTION VISIBILITY
C-4	SITE PLAN
C-5	CONSTRUCTION DETAILS
E-1	ELECTRICAL SITE (TBD)
S-1	FOUNDATION DETAILS
S-2	KIOSK DETAILS

### PROJECT DESCRIPTION

INSTALL INTERACTIVE KIOSK AND SHALLOW FOUNDATION WITHIN THE EXISTING SIDEWALK IN THE RIGHT OF WAY. INSTALL CONDUIT, HANDHOLE, METER/ DISCONNECT TO CONNECT TO PECO POWER. REPAIR CONCRETE SIDEWALK, CURB AND GUTTER, AND ASPHALT THAT IS TO BE DISTURBED DURING INSTALLATION

### CLIENT:

IKE SMART CITY, LLC.  
250 N HARTFORD AVE  
COLUMBUS OHIO 43222

## MARCH, 2024



\*\*\*\*\*NOTE\*\*\*\*\*  
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**CAUTION!!!**  
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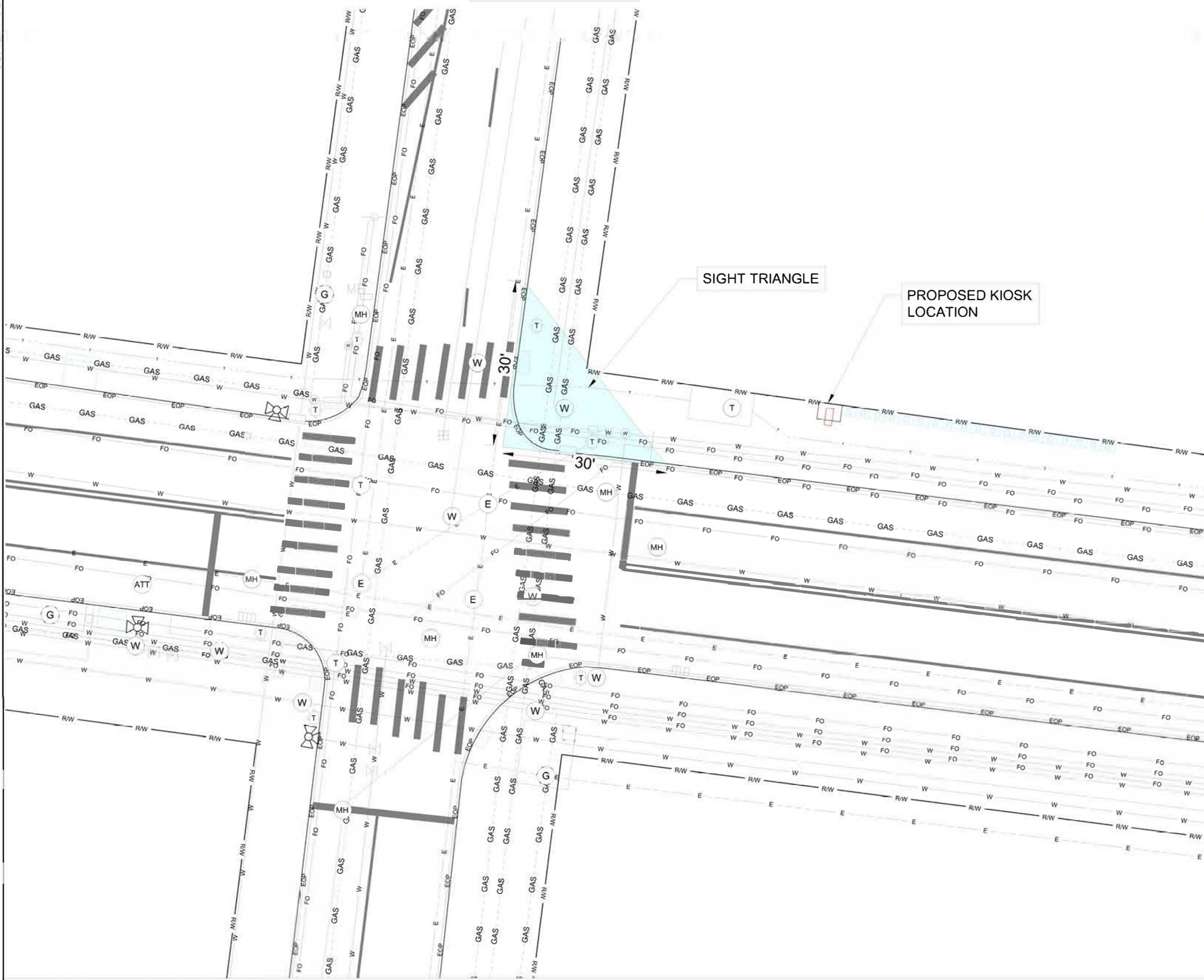
REVISION DESCRIPTION	REV #	DATE	IKE SMART CITY - PHILADELPHIA PHL-027 COVER SHEET

DRAWN BY: SHT  
CHECKED BY:  
DATE: 3/27/24  
C-0

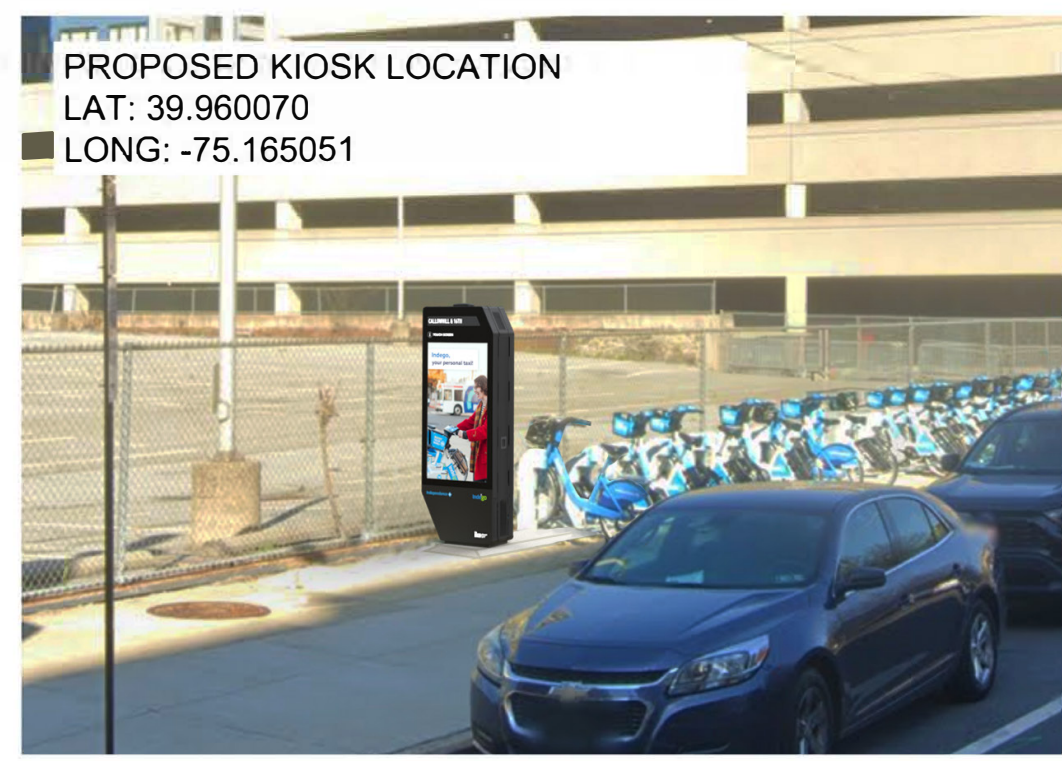


2024-03-27 C:\USERS\DHOWICK\DRIVE - DANELLA COMPANIES, INC\DECC\JOBS\SMART CITY\PHILADELPHIA SHARED KIOSK FOLDER\6-PHL-027 16TH ST & CALLOWHILL ST 3-20-24.DWG DHOWICK

### SITE SUMMARY

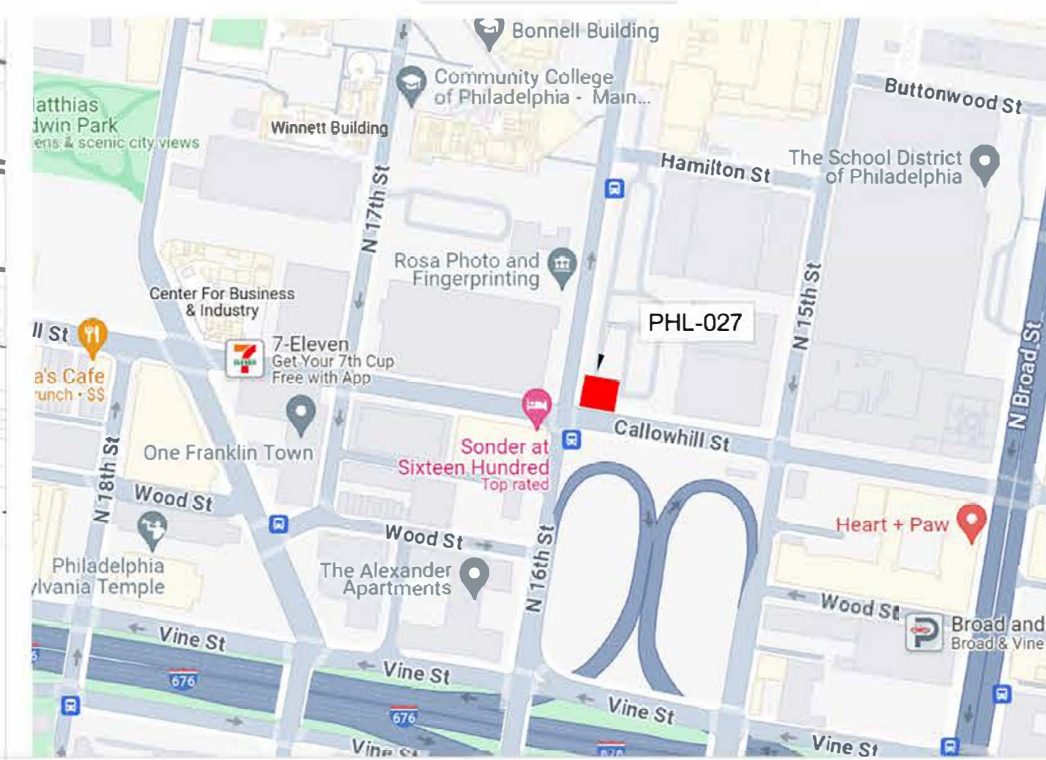


### SITE IMAGE (NTS)



**PROPOSED KIOSK LOCATION**  
**LAT: 39.960070**  
**LONG: -75.165051**

### VICINITY MAP



UTILITY & ROW INFORMATION ON PLANS ARE BASED ON RECORD INFORMATION NOT BASED ON BOUNDARY SURVEY & FIELD EXPOSURE

CONTRACTOR TO LOCATE & VERIFY ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION

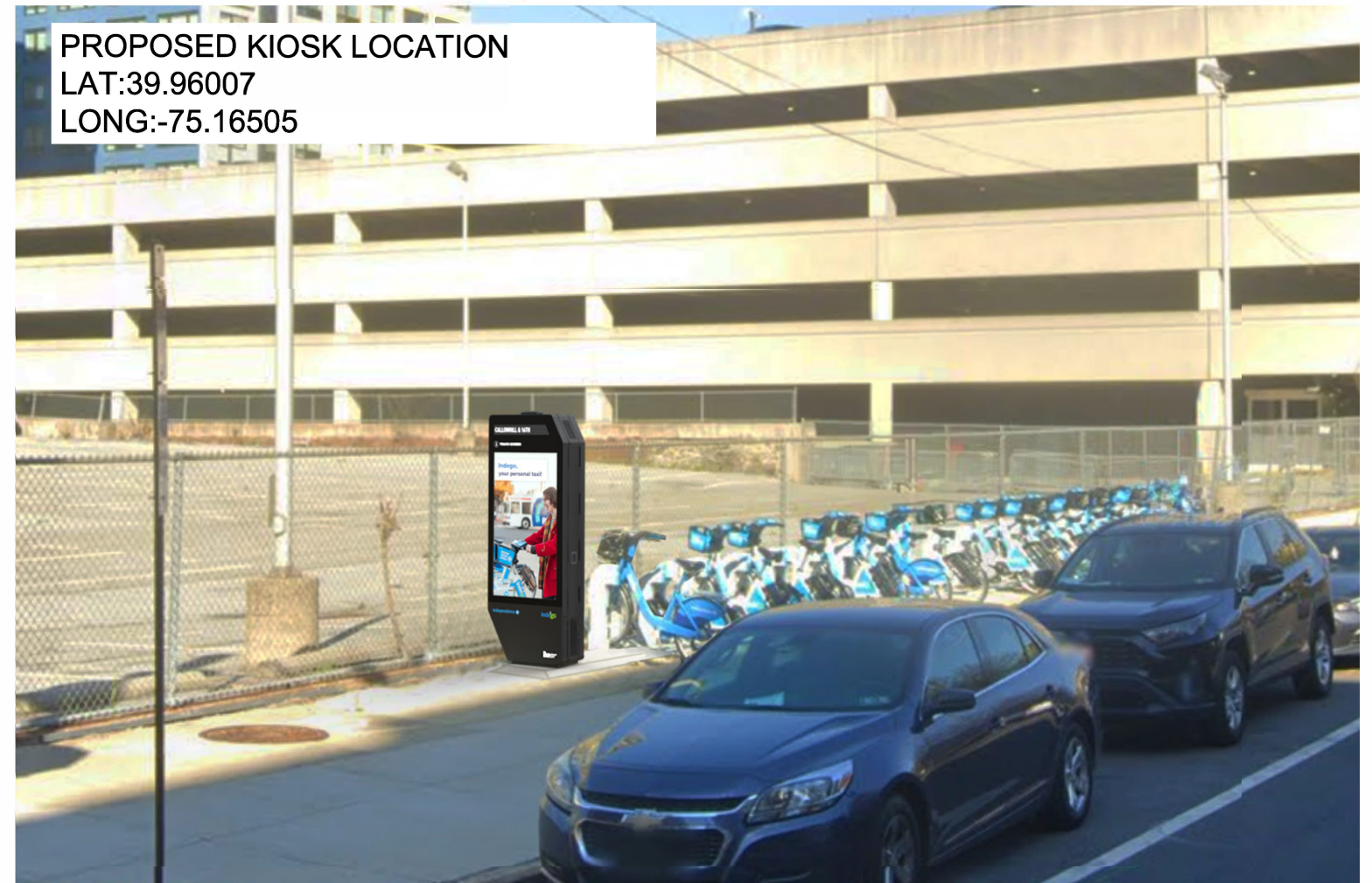
REVISION DESCRIPTION	REV #	DATE

PHILADELPHIA SHARED KIOSK - PHIL-027	
SCIP PACKAGE	
DRAWN BY: SHT	CHECKED BY:
DATE: 3/27/24	SCIP



**GENERAL CONSTRUCTION NOTES**

1. ALL CONSTRUCTION, MATERIAL, AND RESTORATION SHALL CONFORM TO THE DESIGN AND CONSTRUCTION STANDARDS OF THE CITY OF PHILADELPHIA.
2. THE CONTRACTOR SHALL BE RESPONSIBLE TO FURNISH ALL MATERIAL AND LABOR TO CONSTRUCT THE FACILITY AS SHOWN AND DESCRIBED.
3. ALL EXISTING UTILITY LOCATIONS SHOWN ON THESE DRAWINGS ARE APPROXIMATE AND MAY NOT ALL BE SHOWN. THE CONTRACTOR SHALL CONTACT ONE CALL SYSTEM TO HAVE THEM LOCATE EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR CONTACTING AND COORDINATING LOCATING OF PRIVATE FACILITIES.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL PUBLIC AND PRIVATE UTILITIES IN THE CONSTRUCTION OF THIS PROJECT, INCLUDING FACILITIES NOT SHOWN ON THE PLANS. ALL INFRASTRUCTURE MUST BE TO PROPER GRADE PRIOR TO AND AFTER PLACING PERMANENT PAVING. UTILITIES MUST BE MAINTAINED TO PROPER LINE AND GRADE DURING CONSTRUCTION OF ANY PAVING FOR THIS PROJECT.
5. BRACING OF UTILITY POLES MAY BE REQUIRED BY UTILITY COMPANIES WHEN TRENCHING OR EXCAVATION IS IN CLOSE PROXIMITY TO THE POLES. THE COST OF BRACING POLES WILL BE BORNE BY THE CONTRACTOR. THERE IS NO SEPARATE PAY ITEM FOR THIS WORK. THE COST IS INCIDENTAL TO THE VARIOUS PAY ITEMS FOR INSTALLATION OF THE KIOSK.
6. ALL EXISTING CONCRETE PAVING, SIDEWALKS, AND CURBS NOTED FOR DEMOLITION SHALL BE REMOVED IN THEIR ENTIRETY AND DISPOSED OF BY THE CONTRACTOR OFF SITE, UNLESS OTHERWISE DIRECTED BY THE OWNER.
7. THE CONTRACTOR SHALL REPAIR OR REPLACE ANY PHYSICAL DAMAGE TO PUBLIC OR PRIVATE PROPERTY, INCLUDING BUT NOT LIMITED TO, FENCES, BOLLARDS, WALLS, PAVEMENT, GRASS, TREES, PLANTERS, DECORATIVE LIGHTING, AND LAWN SPRINKLER AND IRRIGATION SYSTEMS AT NO COST TO THE OWNER. THIS WORK SHALL BE SUBSIDIARY TO THE CONTRACT (UNLESS OTHERWISE NOTED)
8. THE CONTRACTOR SHALL REMOVE ALL SURPLUS MATERIAL AND TRASH FROM THE PROJECT AREA. THIS WORK SHALL BE SUBSIDIARY TO THE CONTRACT AND IS NOT A SEPARATE PAY ITEM.
9. TRAFFIC CONTROL- THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN AND VEHICULAR TRAFFIC AT ALL TIMES DURING CONSTRUCTION AND SHALL PROVIDE ANY NECESSARY, BARRICADES, LIGHTING, SIGNS, AND FLAGMEN, FOR THE MOT TO PROVIDE SAFETY TO THE PUBLIC.
10. THE CONTRACTOR MAINTAIN A COPY OF ALL PERMITS AT THE JOB SITE AT ALL TIMES.
11. THE CONTRACTOR SHALL NOTIFY PROJECT MANAGER WITH ANY DISCREPANCIES ON THE DRAWINGS BEFORE COMMENCING WORK. FIELD CHANGES OR DEVIATIONS FROM THE DESIGN WILL NOT BE ALLOWED WITHOUT PRIOR APPROVAL FROM THE OWNER. CONSIDERATION WILL NOT BE GIVEN TO CHANGE ORDERS FOR WHICH THE OWNER AND PROJECT MANAGER WERE NOT CONTACTED PRIOR TO CONSTRUCTION OF THE AFFECTED ITEM.
12. ALL COPIES OF COMPACTION, CONCRETE, AND OTHER REQUIRED TEST RESULTS ARE TO BE SENT TO THE PROJECT MANAGER DIRECTLY FROM THE TESTING AGENCY.
13. ALL NECESSARY INSPECTIONS AND/ OR CERTIFICATIONS REQUIRED BY CODES, JURISDICTIONAL AGENCIES, AND/ OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO FINAL INSPECTION.



PLEASE NOTE RENDERING DOES NOT REPRESENT EXACT PLACEMENT LOCATION OF PROPOSED KIOSK AND IS CONCEPTUAL ONLY. PLEASE REFER TO CIVIL PLANS FOR EXACT PLACEMENT LOCATION



\*\*\*\*NOTE\*\*\*\*  
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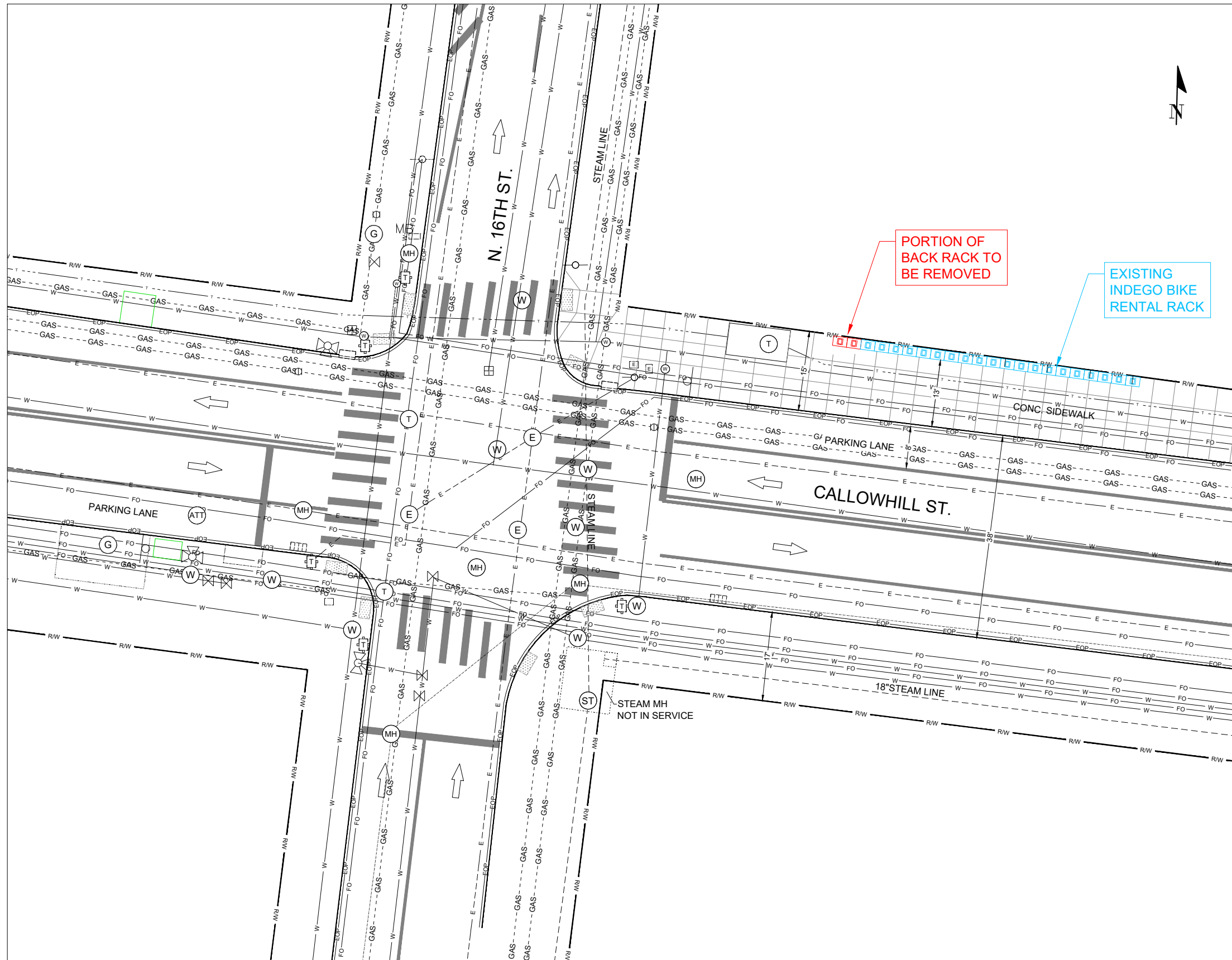
CAUTION!!!  
 CONTRACTOR TO LOCATE & VERIFY ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION

REVISION DESCRIPTION	REV #	DATE	IKE SMART CITY - PHILADELPHIA PHL-027 GENERAL NOTES
			DRAWN BY: SHT
			CHECKED BY:
			DATE: 3/27/24
			C-1



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## EXISTING CONDITIONS



### NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING LOCATION OF ALL EXISTING UTILITIES BOTH SHOWN OR NOT SHOWN ON PLANS.
2. EXISTING CONDITIONS SHOWN ARE BASED ON THE EXISTING MAPS, RECORDS AND SITE VISIT. LOCATION OF EXISTING UTILITIES SHOWN ARE APPROXIMATE.
3. THE DESIGNER WITHOUT LIABILITY, MAY ADD OR OMIT EXISTING CONDITION INFORMATION.

### LEGEND

	BUS STOP		SHRUBBERY
	DEPTH OF COVER		SIGN
	ELECTRICAL MANHOLE		SIGNAL CONTROLLER
	ELECTRICAL BOX		STREET LIGHT ASSEMBLY
	FIRE HYDRANT		STORM DRAIN CATCH BASIN
	FOREIGN MARKERS		STORM DRAIN CULVERT
	GAS METER		STORM DRAIN MANHOLE
	GAS VALVE		TELEPHONE VAULT
	JUNCTION BOX		TELEPHONE MANHOLE
	MAIL BOX		TRAFFIC FLOW
	PAD MOUNTED TRANSFORMER		TRAFFIC SIGNAL POLE
	PROPOSED HANDHOLE		TREE
	R/R CROSSING GATE		WATER METER
	UTILITY POLE		WATER VALVE
	UTILITY POLE ANCHOR		YARD LIGHT
	SAN. SEWER MANHOLE		

### LINETYPES

	BACK OF CURB		PROPOSED CONDUIT
	CENTERLINE		OVERHEAD ELECTRIC
	EDGE OF PAVEMENT		ELECTRIC
	FENCE LINE		GAS
	GUARD RAIL		CABLE TV
	PROPERTY LINE		SANITARY SEWER
	RIGHT OF WAY		STORM SEWER
	RAILROAD		TELECOM
	LEASED CONDUIT		WATER
	EDGE OF WATER		TRAFFIC SIGNAL

SCALE: 1"=20'



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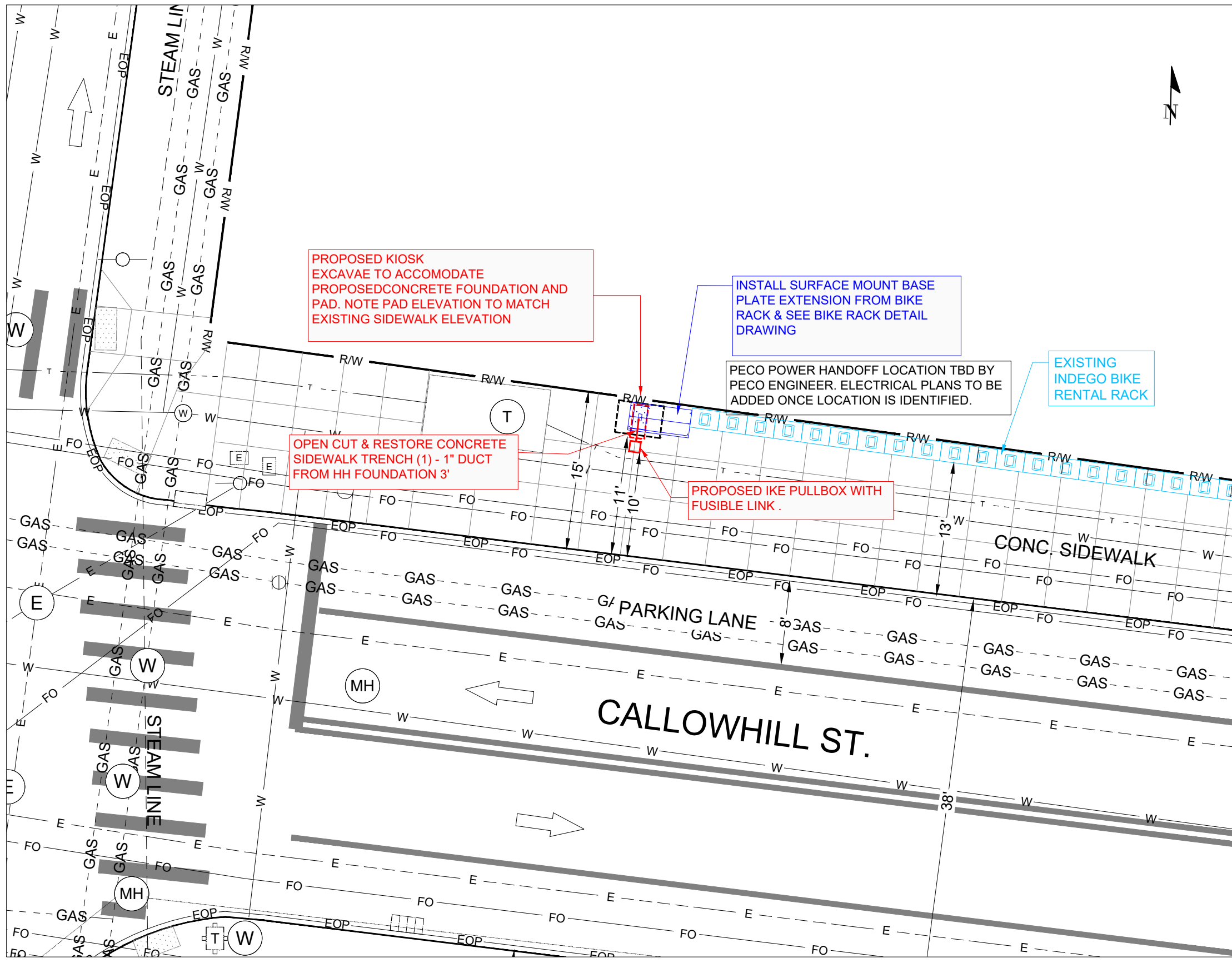
REVISION DESCRIPTION	REV #	DATE	IKE SMART CITY - PHILADELPHIA PHL-027
			EXISTING CONDITIONS
			DRAWN BY: SHT
			CHECKED BY: <span style="float: right;">C-2</span>
			DATE: 3/27/24







# SITE PLAN



## NOTES:

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3. THE DESIGNER WITHOUT LIABILITY, MAY ADD OR OMIT EXISTING CONDITION INFORMATION.

## LEGEND

	BUS STOP		SHRUBBERY
	48" DOC		SIGN
	ELECTRICAL MANHOLE		SIGNAL CONTROLLER
	ELECTRICAL BOX		STREET LIGHT ASSEMBLY
	FIRE HYDRANT		STORM DRAIN CATCH BASIN
	FOREIGN MARKERS		STORM DRAIN CULVERT
	GAS METER		STORM DRAIN MANHOLE
	GAS VALVE		TELEPHONE VAULT
	JUNCTION BOX		TELEPHONE MANHOLE
	MAIL BOX		TRAFFIC FLOW
	PAD MOUNTED TRANSFORMER		TRAFFIC SIGNAL POLE
	PROPOSED HANDHOLE		TREE
	R/R CROSSING GATE		WATER METER
	UTILITY POLE		WATER VALVE
	UTILITY POLE ANCHOR		YARD LIGHT
	SAN. SEWER MANHOLE		

## LINETYPES

	BOC	BACK OF CURB		PROPOSED CONDUIT
	CENTERLINE	CENTERLINE		OVERHEAD ELECTRIC
	EOP	EDGE OF PAVEMENT		ELECTRIC
	FENCE LINE	FENCE LINE		GAS
	GUARD RAIL	GUARD RAIL		CABLE TV
	P/L	PROPERTY LINE		SANITARY SEWER
	RW	RIGHT OF WAY		STORM SEWER
	RAILROAD	RAILROAD		TELECOM
	L	LEASED CONDUIT		WATER
	EDGE OF WATER	EDGE OF WATER		TRAFFIC SIGNAL

SCALE: 1"=10'



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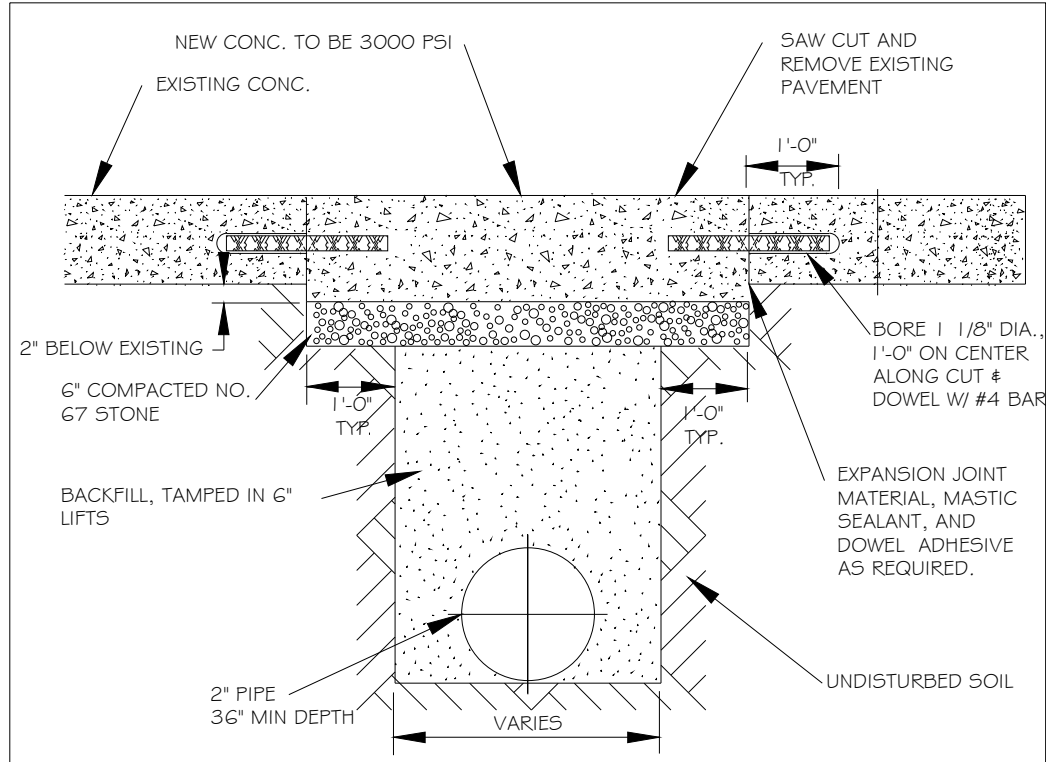
CAUTION!!!  
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REVISION DESCRIPTION	REV #	DATE	IKS SMART CITY - PHILADELPHIA PHL-027
			SITE PLAN
			DRAWN BY: SHT
			CHECKED BY:
			DATE: 3/27/24
			C-4



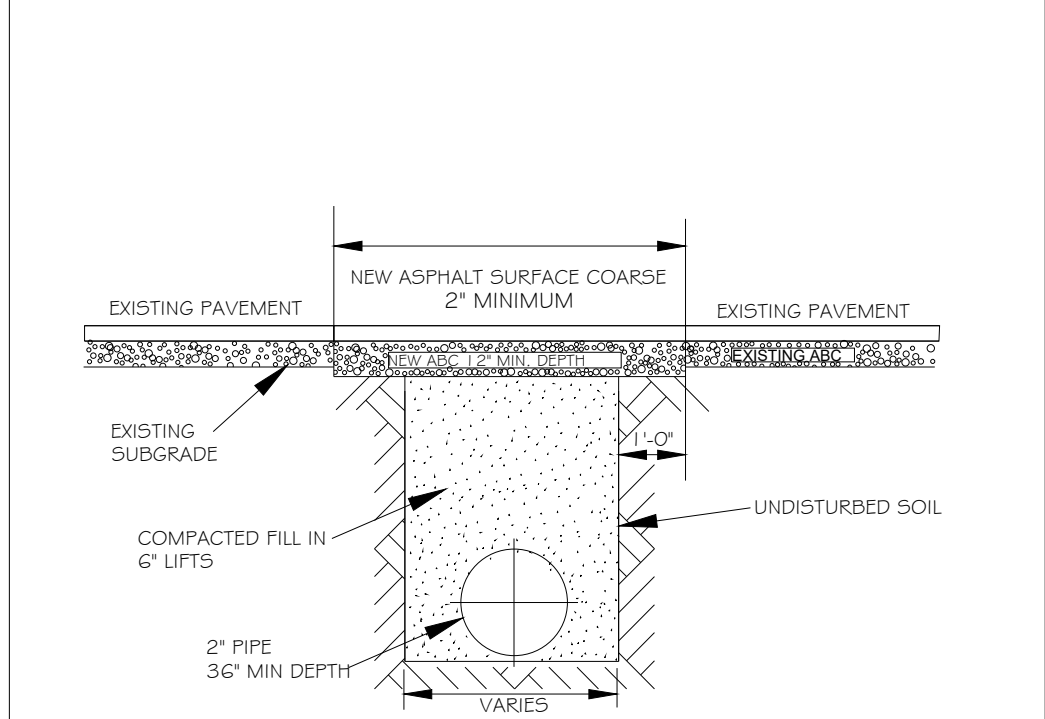
2024-03-28 C:\USERS\HOWICK\ONEEDRIVE - DANELLA COMPANIES, INC\DECCUOBS\IKE SMART CITY\PHILADELPHIA SHARED KIOSK FOLDER\6-PHL-027 16TH ST & CALLOWHILL ST CAD FILE\PHL-027 16TH ST & CALLOWHILL ST 3-20-24.DWG DHOWICK

# OPEN TRENCH DETAILS



STANDARD CONCRETE  
PAVEMENT PATCH DETAIL

DWG. NO.	REVISIONS	DATE	REVISIONS	DATE



STANDARD ASPHALT  
PAVEMENT PATCH DETAIL

DWG. NO.	REVISIONS	DATE	REVISIONS	DATE

SCALE: N.T.S.



\*\*\*\*NOTE\*\*\*\*  
UTILITY & R.O.W. REPRESENTED ON  
PLANS ARE BASED ON RECORDS  
INFORMATION. NOT BASED ON  
BOUNDARY SURVEY & FIELD EXPOSURES.

**CAUTION!!!**  
CONTRACTOR TO LOCATE &  
VERIFY ALL EXISTING UTILITIES  
PRIOR TO CONSTRUCTION

REVISION DESCRIPTION	REV #	DATE	IKE SMART CITY - PHILADELPHIA PHL-027 OPEN TRENCH DETAILS

DRAWN BY: SHT  
CHECKED BY:  
DATE: 3/27/24  
C-5



**GENERAL STRUCTURAL NOTES**

- All work shall be performed in accordance with the contract documents. In case of a conflict within the contract documents, the more stringent condition shall govern, unless directed otherwise by the engineer of record. Prior to implementation, any discrepancies shall be reported to the architect for clarification.
- In the event that certain details of construction are not indicated or noted in the drawings, details for similar conditions that are indicated or noted shall be utilized, subject to the structural engineer's approval.
- Openings and penetrations through structural elements, and items embedded in structural elements that are not indicated in the structural drawings shall be reviewed by the structural engineer prior to fabrication, erection and/or construction.
- The structure has been designed for the in-service loads only. The methods, procedures and sequences of construction are the responsibility of the contractor. Contractor shall take all necessary precautions to maintain and ensure the integrity of the structure at all stages of construction. Contractor shall immediately notify the structural engineer of any condition which, in his opinion, might endanger the stability of the structure or cause distress in the structure.
- All existing conditions and all related dimensions indicated in the contract documents shall be field verified prior to fabrication, erection and/or construction. Any condition that differs from that indicated in the contract documents shall be submitted to the architect for review prior to fabrication, erection and/or construction.
- The structure has been designed to meet or exceed serviceability requirements of section 1604.3 of the International Building Code. All non-structural components & their connections that are anchored to the structure shall be designed to allow for the movement of the structure caused by wind, snow, live, thermal, shrinkage/creep and earthquake loads. Non-structural components include items such as non-load bearing walls, MEP components, bulkheads, etc.
- Provide special inspection in accordance with chapter 17 of the International Building Code and with project specifications.
- Unless noted otherwise, all loads specified in these documents are nominal loads and are to be entered into the appropriate strength or allowable stress design load combinations with appropriate factors, as defined by ASCE7, by the building component engineer in the design of their product. Gravity load shear beam reactions on plan for steel framing represent the combined service load effect from allowable stress design load combinations.

**GENERAL FOUNDATION AND CONCRETE NOTES**

- A registered geotechnical engineer shall be retained to confirm that the soils at the site are capable of the design soil bearing pressure. This will require a report by the geotechnical engineer. (Quantity, depth, and location of soil borings shall be at the discretion of the geotechnical engineer) The contractor shall implement all requirements and recommendations stated in this report.
- It is strongly recommended that the geotechnical engineer of record that produces the report be retained to provide the soils testing and inspections during construction.
- Fill material shall be thoroughly compacted prior to placement of concrete. Fill under all slabs on grade shall be as recommended in the geotechnical report. If there is no geotechnical report, a minimum of 6" of well draining granular material shall be placed under all slabs on grade (UNO elsewhere in the construction documents).
- Coordinate finish of all foundation work, including slabs on grade, with architectural and flooring supplier's requirements.
- Cover for reinforcing shall be in accordance with ACI-318.
- All exposed edges of concrete piers, beams, and walls shall be chamfered 3/4" x 45 degrees. UNO
- Coordinate placement of KIOSK anchor rods with foundation reinforcing. All column anchor rods shall be installed using templates and setting drawings. No tilted or misplaced bolts will be accepted. Notify Architect/Engineer for approval of any corrective action. Tolerances for the installation of the anchor bolts shall be in accordance with AISC "Code of Standard Practice" guidelines.
- Anchors for embedded plates shall be as shown on the drawings. Headed studs shall conform to ASTM A108 and AWS D1.1 Grade B. Reinforcing bars to be welded to plates shall be ASTM A615 Grade 40 or ASTM A706 Grade 60.
- Refer to "General Structural Notes" for information regarding special inspections and installation of post installed anchors.

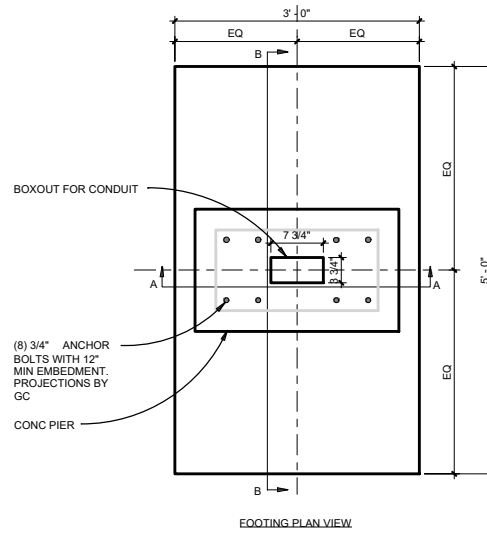
**CONCRETE NOTES**

- All concrete shall be done in accordance with ACI 117, 211, 301, 302, 315, 347 and 318 requirements, and as stated on contract documents.
- Coordinate finish of exposed concrete with Architect.
- Testing of concrete shall be provided for each KIOSK foundation and pier installed, and shall include but is not limited to slump, air content, concrete temperature, unit weight, and compressive strength. All testing shall follow ASTM standards.
- Admixtures shall contain no more than 0.1 percent water-soluble chloride ions by mass of cementitious material. Do not use admixtures containing calcium chloride.
  - Water-Reducing Admixture: ASTM C494, Type A
  - High-Range, Water-Reducing Admixture: ASTM C494, Type F
  - Water-Reducing and Accelerating Admixture: ASTM C494, Type E
  - Water-Reducing and Retarding Admixture: ASTM C494, Type D
  - Air-Entraining Admixture: ASTM C260
- Repair and patch defective areas as directed by Architect.

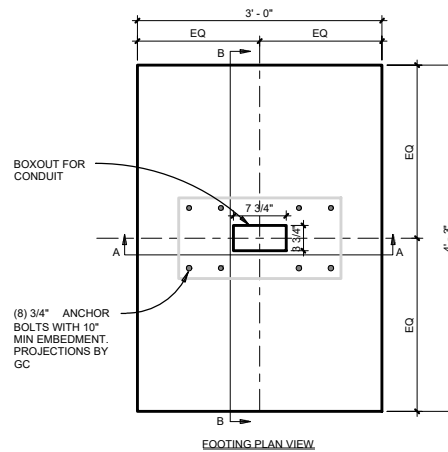
**ENGINEERING DATA**

Design soil bearing pressure	1000 psf (assumed)
Design stresses	
Concrete	
Footings and Foundations	$f_c = 3500$ psi
Grade slabs	$f_c = 3500$ psi
Reinforcing steel	$f_y = 60000$ psi
Structural design requirements	
Risk Category	I
Wind Load	
Ultimate design wind speed (3 sec)	120 mph
Wind exposure category	C
Signage pressure coeff (GC)	1.35
Components & cladding (varies)	27 psf
Signage design pressure	
Seismin Design Category	A or B (assumed)
Specific Design Loads	
Kiosk dead load	800 lb
Design codes	
General building code	IBC 2015
Concrete	ACI 318

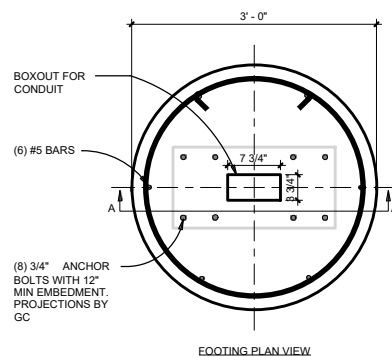
**FOUNDATION DETAILS**  
N.T.S



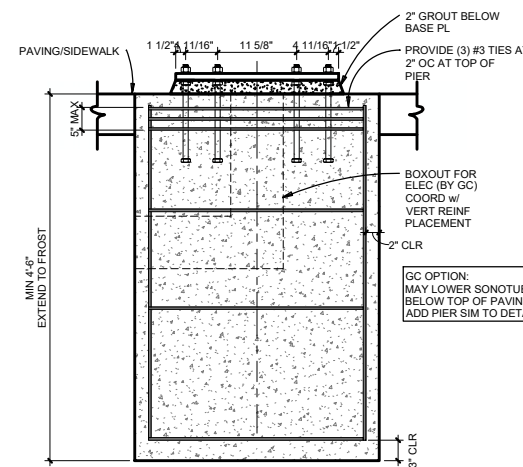
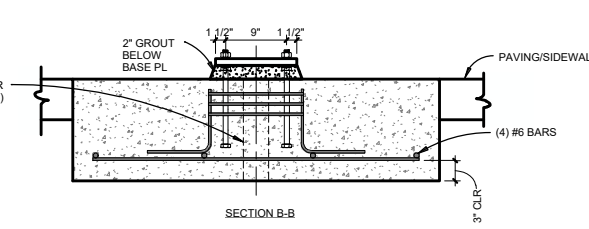
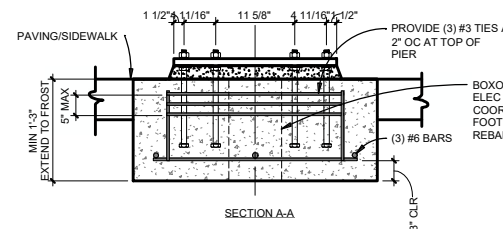
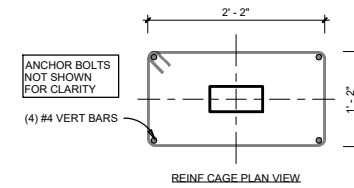
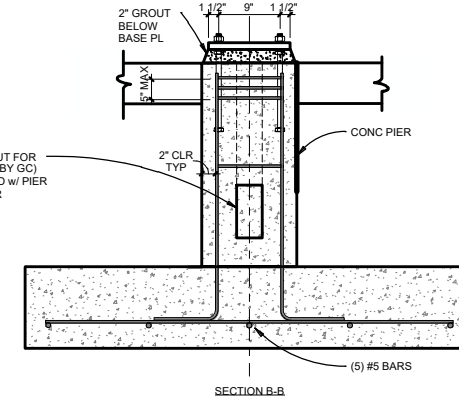
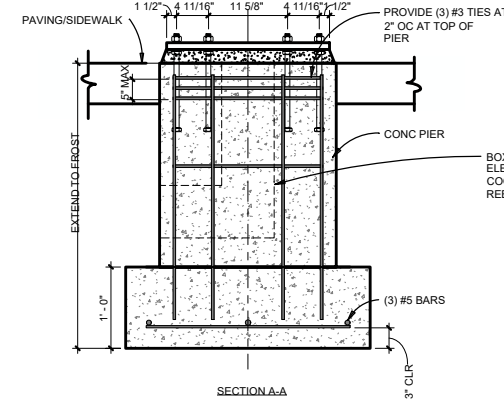
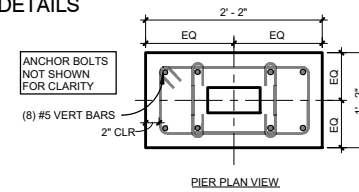
**1**  
**S101**  
**OPTION 1 SPREAD FOOTING WITH PIER**  
SCALE: 1" = 1'-0"



**2**  
**S101**  
**OPTION 2 SHALLOW SPREAD FOOTING**  
SCALE: 1" = 1'-0"



**3**  
**S101**  
**OPTION 3 SONOTUBE**  
SCALE: 1" = 1'-0"



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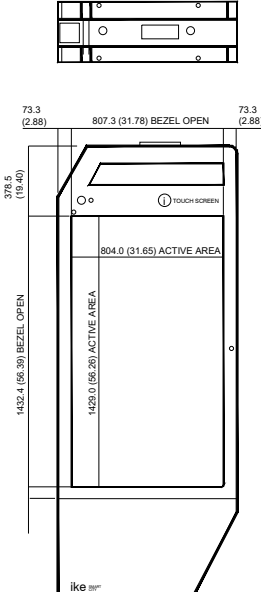
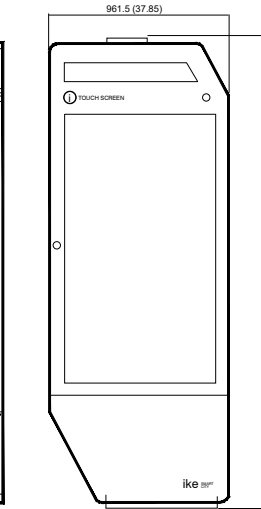
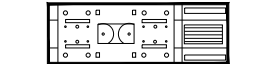
**CAUTION!!!**  
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**REVISION DESCRIPTION**

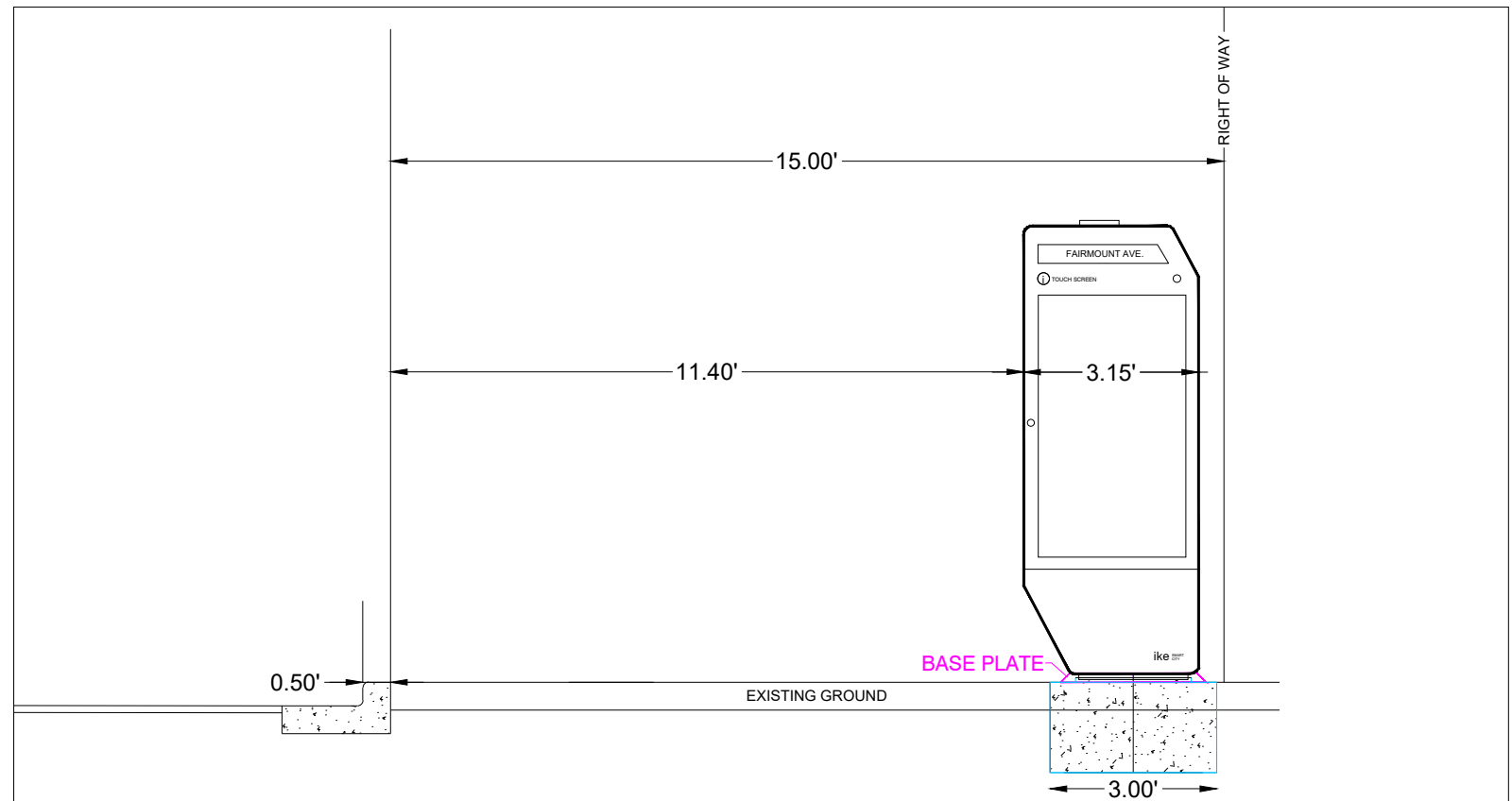
REVISION DESCRIPTION	REV #	DATE	IKO SMART CITY - PHILADELPHIA
			KIOSK DETAILS
			S-1



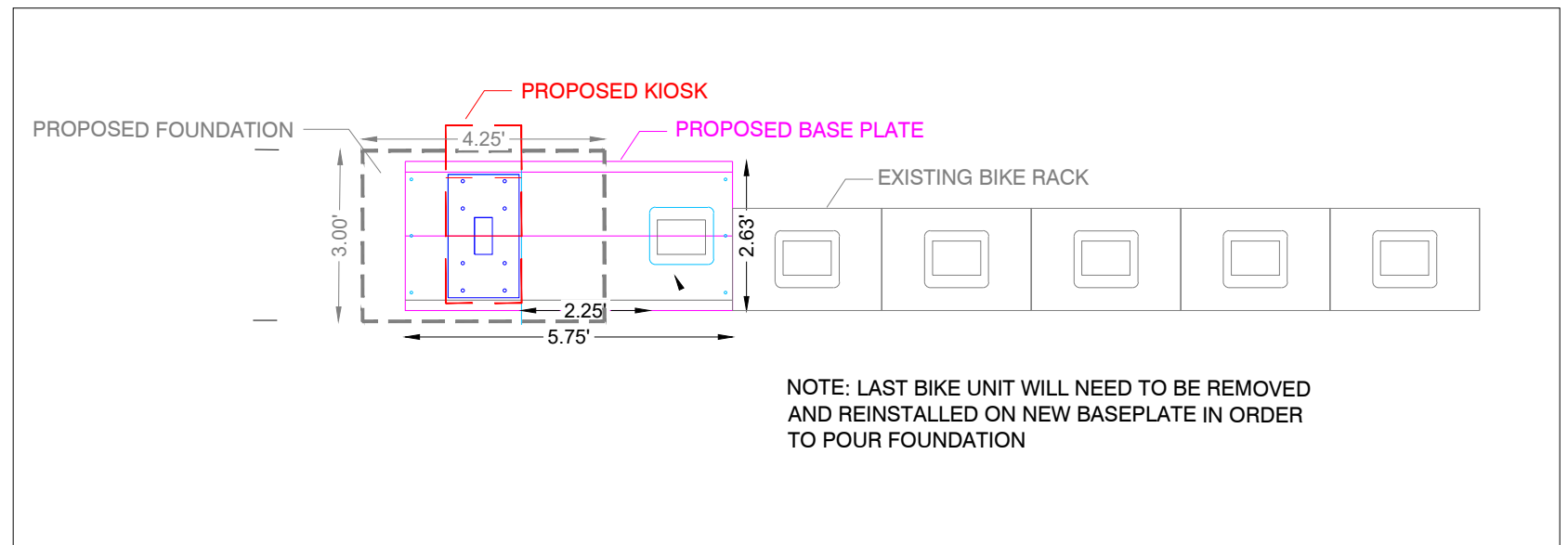
# KIOSK DETAILS

SPECIFICATION		DIMENSIONS UNITS - MM (INCHES)	
MODEL	CIO651DR5		
LCD PANEL SIZE	65 INCHES LCD (X2)		
NATIVE RESOLUTION	1920 X 1080		
BACKLIGHT	LED		
DEFAULT COLOR TEMPERATURE	D65 (6500K)		
BRIGHTNESS ( W/O GLASS)	4,000 NITS		
COLOR DEPTH	10 BITS		
CONTRAST RATIO	4000:1		
RESPONSE TIME (TYP.)	8MS		
VIEWING ANGLE	178DEG/ 178 DEG		
LIGHT LIFETIME (TYP.)	100,000 HRS		
BLACKENING DEFECT FREE	UP TO 110 DEG C (230 DEG F)		
POLARIZED SUNGLASSES SUPPORT	YES		
PANEL SURFACE	AG HAZE 3% 2H		
POWER SUPPLY	INTERNAL		
RATED VOLTAGE	100-240V-50/60HZ		
POWER ON MODE (TYP./MAX)	1400 W/ 2200W		
BEZEL WIDTH (B/L/R)	68.3 / 73.3 / 73.3 MM		
POWDER COATING MATERIAL	ASTM B117		
MONITOR DIMENSION (L X H X D)	2515.3 X 961.5 X 317.4 MM		
MONITOR WEIGHT	820 LBS		
OPTION WEIGHT	832 LBS		
TOUCH SCREEN	PCAP		
ORIENTATION	PORTRAIT		
KEY LOCK	YES		
AIRE VENT	TOP & BOTTOM		
GLASS	8MM LAMINATED TEMPERED GLASS		
LANGAUGE	ENGLISH		
SUPPORT SNMP (UP TO V3.0)	YES		
DIMMING CONTROL	YES		
IMAGE RETENTION PROTECTION	YES		
AMBIENT LIGHT SENSOR	YES		
POWER ON/OFF SCHEDULING	YES		
INTERNAL TEMPERATURE SENSOR	YES		
HDMI	X6(2180P)		
DISPLAY PORT	X2		
USB 3.0	X2		
MICRO SD SLOT	X2		
AUDIO	X2		
RS-232	IN X2		
RJ-45	X 4 (LAN)		
OPERATING TEMPERATURE	-20 DEG F - 120 DEG F (-30 C-50 DEG C)		
STORAGE TEMPERATURE	-4F - 140 DEG F (-20 DEC C - 60 DEG C)		
HUMIDITY	5%-95% RH NON-CONDENSING		
NOISE LEVELS	65 db AT A HEIGHT OF 60 INCHES AND DISTANCE OF 24 INCHES		
CERTIFICATION	CE / FCC / RoHS		

# KIOSK CROSS SECTION WITH BASE PLATE



# BIKE RACK BASE PLATE EXTENSION DETAIL



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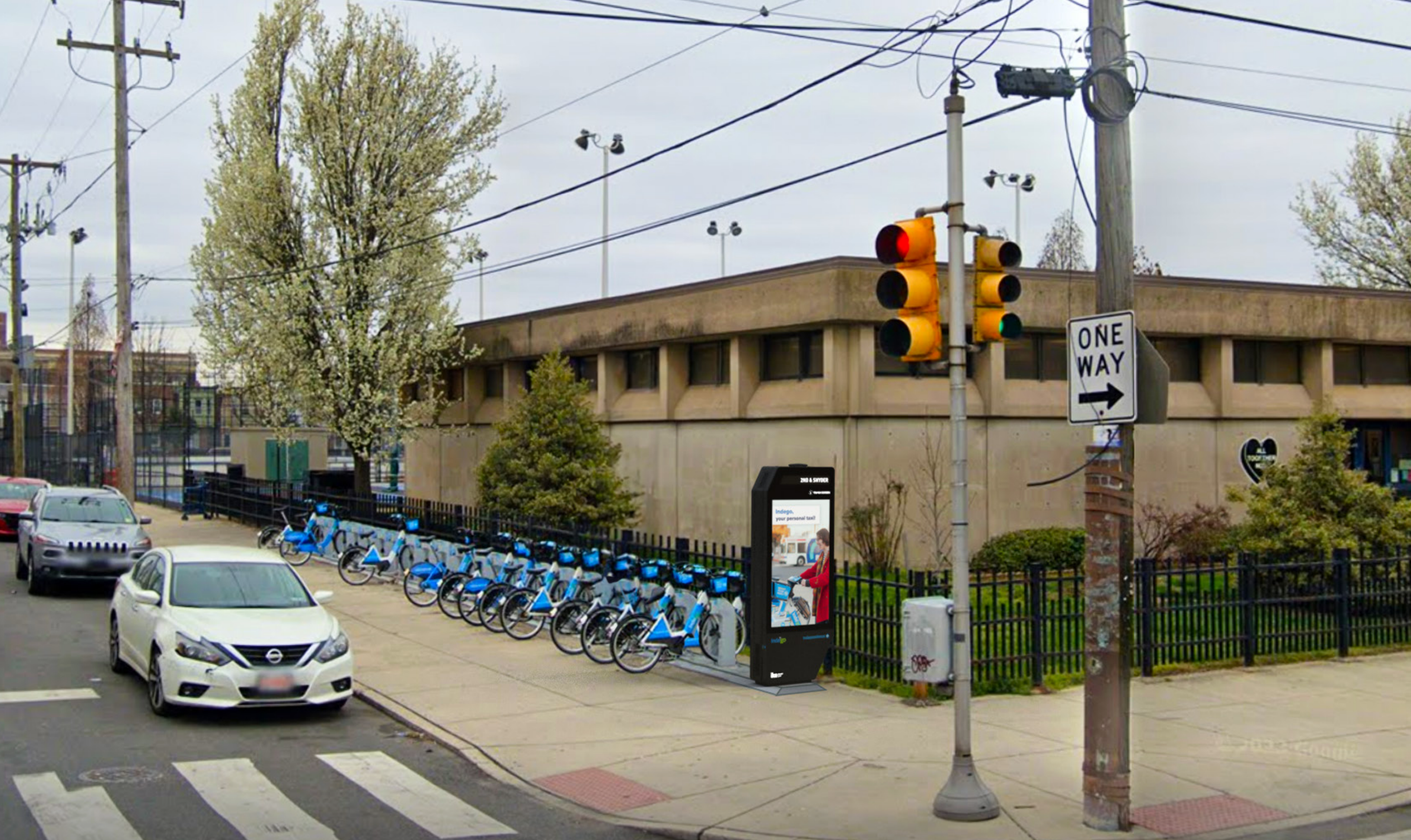
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PRIOR TO CONSTRUCTION

REVISION DESCRIPTION	REV #	DATE	IKE SMART CITY - PHILADELPHIA PHL-027

DRAWN BY: SHT  
CHECKED BY:  
DATE: 3/27/24

S-2





PHI-IKE-050: 2ND & SNYDER



2024-03-26 C:\USERS\HOWICK\ONE\DRIVE - DANELLA COMPANIES, INC\DECC\JOBS\IKE SMART CITY\PHILADELPHIA SHARED KIOSK FOLDER\PHL-050 S 2ND ST & SNYDER AVE\ICAD FILE\PHL-050 S 2ND ST & SNYDER AVE\CAD FILE\PHL-050 S 2ND ST & SNYDER AVE\DWG\HOWICK

# CONSTRUCTION PLANS

## FOR

### IKE SMART CITY - PHILADELPHIA

#### PHL-050 SNYDER AVE & S 2ND AVE

#### CITY OF PHILADELPHIA, PENNSYLVANIA

#### DRAWING INDEX:

SHEET	DESCRIPTION
C-0	COVER
C-1	GENERAL NOTES
C-2	EXISTING CONDITIONS
C-3	INTERSECTION VISIBILITY
C-4A	SITE PLAN
C-4B	SITE PLAN DETAIL
C-5	CONSTRUCTION DETAILS
E-1	ELECTRICAL SITE
S-1	FOUNDATION DETAILS
S-2	KIOSK DETAILS



SITE MAP

## MARCH, 2024

#### PROJECT DESCRIPTION

INSTALL INTERACTIVE KIOSK AND SHALLOW FOUNDATION WITHIN THE EXISTING SIDEWALK IN THE RIGHT OF WAY. INSTALL CONDUIT, HANDHOLE, METER/ DISCONNECT TO CONNECT TO PECO POWER. REPAIR CONCRETE SIDEWALK, CURB AND GUTTER, AND ASPHALT THAT IS TO BE DISTURBED DURING INSTALLATION

#### CLIENT:

IKE SMART CITY, LLC.  
250 N HARTFORD AVE  
COLUMBUS OHIO 43222



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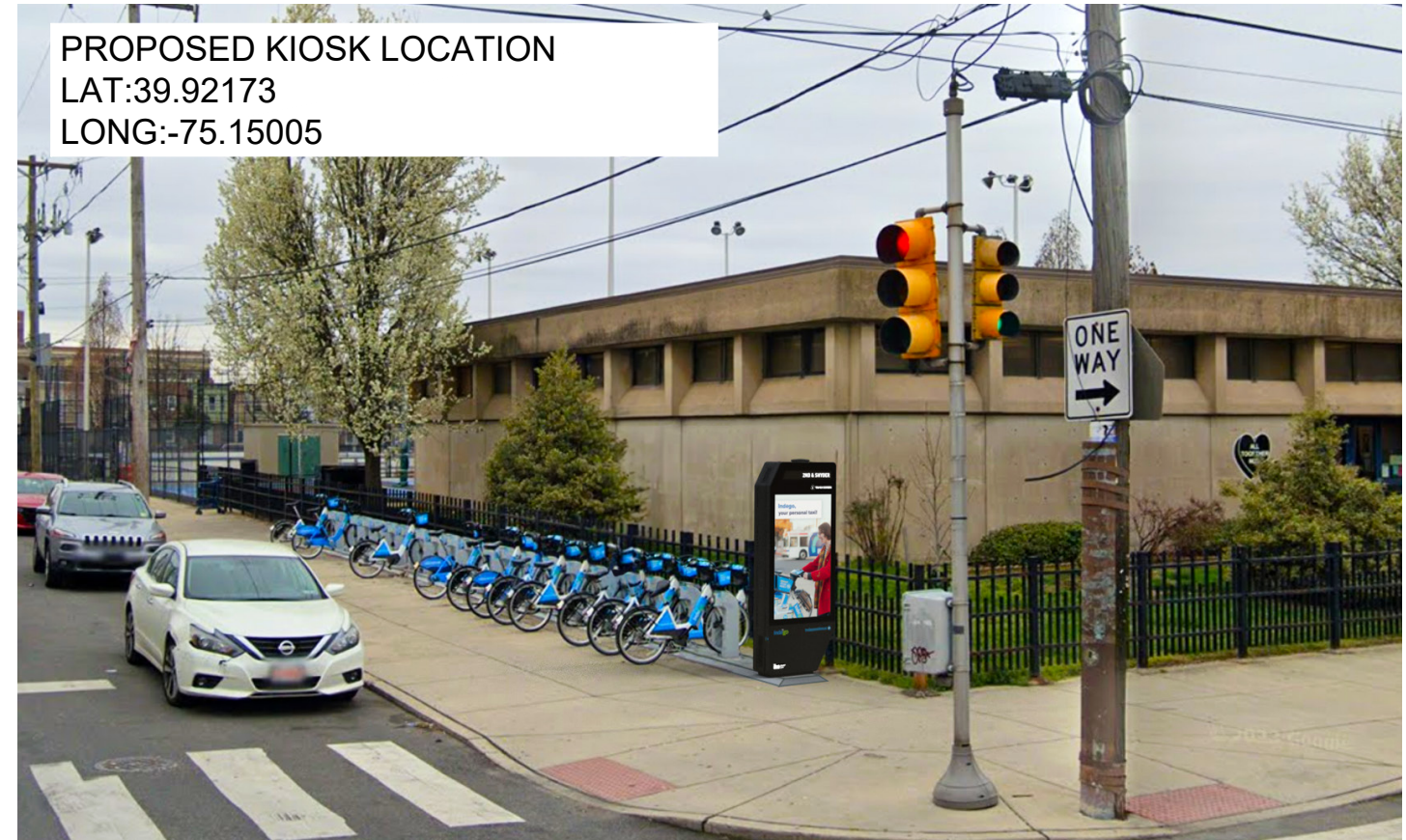
CAUTION!!!  
CONTRACTOR TO LOCATE & VERIFY ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION

REVISION DESCRIPTION	REV #	DATE	IKE SMART CITY - PHILADELPHIA PHL-050 COVER SHEET
			DRAWN BY: SHT
			CHECKED BY:
			DATE: 3/26/24
			C-0



**GENERAL CONSTRUCTION NOTES**

1. ALL CONSTRUCTION, MATERIAL, AND RESTORATION SHALL CONFORM TO THE DESIGN AND CONSTRUCTION STANDARDS OF THE CITY OF PHILADELPHIA.
2. THE CONTRACTOR SHALL BE RESPONSIBLE TO FURNISH ALL MATERIAL AND LABOR TO CONSTRUCT THE FACILITY AS SHOWN AND DESCRIBED.
3. ALL EXISTING UTILITY LOCATIONS SHOWN ON THESE DRAWINGS ARE APPROXIMATE AND MAY NOT ALL BE SHOWN. THE CONTRACTOR SHALL CONTACT ONE CALL SYSTEM TO HAVE THEM LOCATE EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR CONTACTING AND COORDINATING LOCATING OF PRIVATE FACILITIES.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL PUBLIC AND PRIVATE UTILITIES IN THE CONSTRUCTION OF THIS PROJECT, INCLUDING FACILITIES NOT SHOWN ON THE PLANS. ALL INFRASTRUCTURE MUST BE TO PROPER GRADE PRIOR TO AND AFTER PLACING PERMANENT PAVING. UTILITIES MUST BE MAINTAINED TO PROPER LINE AND GRADE DURING CONSTRUCTION OF ANY PAVING FOR THIS PROJECT.
5. BRACING OF UTILITY POLES MAY BE REQUIRED BY UTILITY COMPANIES WHEN TRENCHING OR EXCAVATION IS IN CLOSE PROXIMITY TO THE POLES. THE COST OF BRACING POLES WILL BE BORNE BY THE CONTRACTOR. THERE IS NO SEPARATE PAY ITEM FOR THIS WORK. THE COST IS INCIDENTAL TO THE VARIOUS PAY ITEMS FOR INSTALLATION OF THE KIOSK.
6. ALL EXISTING CONCRETE PAVING, SIDEWALKS, AND CURBS NOTED FOR DEMOLITION SHALL BE REMOVED IN THEIR ENTIRETY AND DISPOSED OF BY THE CONTRACTOR OFF SITE, UNLESS OTHERWISE DIRECTED BY THE OWNER .
7. THE CONTRACTOR SHALL REPAIR OR REPLACE ANY PHYSICAL DAMAGE TO PUBLIC OR PRIVATE PROPERTY, INCLUDING BUT NOT LIMITED TO, FENCES, BOLLARDS, WALLS, PAVEMENT, GRASS, TREES, PLANTERS, DECORATIVE LIGHTING, AND LAWN SPRINKLER AND IRRIGATION SYSTEMS AT NO COST TO THE OWNER. THIS WORK SHALL BE SUBSIDIARY TO THE CONTRACT (UNLESS OTHERWISE NOTED)
8. THE CONTRACTOR SHALL REMOVE ALL SURPLUS MATERIAL AND TRASH FROM THE PROJECT AREA. THIS WORK SHALL BE SUBSIDIARY TO THE CONTRACT AND IS NOT A SEPARATE PAY ITEM.
9. TRAFFIC CONTROL- THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN AND VEHICULAR TRAFFIC AT ALL TIMES DURING CONSTRUCTION AND SHALL PROVIDE ANY NECESSARY, BARRICADES, LIGHTING, SIGNS, AND FLAGMEN, FOR THE MOT TO PROVIDE SAFETY TO THE PUBLIC.
10. THE CONTRACTOR MAINTAIN A COPY OF ALL PERMITS AT THE JOB SITE AT ALL TIMES.
11. THE CONTRACTOR SHALL NOTIFY PROJECT MANAGER WITH ANY DISCREPANCIES ON THE DRAWINGS BEFORE COMMENCING WORK. FIELD CHANGES OR DEVIATIONS FROM THE DESIGN WILL NOT BE ALLOWED WITHOUT PRIOR APPROVAL FROM THE OWNER. CONSIDERATION WILL NOT BE GIVEN TO CHANGE ORDERS FOR WHICH THE OWNER AND PROJECT MANAGER WERE NOT CONTACTED PRIOR TO CONSTRUCTION OF THE AFFECTED ITEM.
12. ALL COPIES OF COMPACTION, CONCRETE, AND OTHER REQUIRED TEST RESULTS ARE TO BE SENT TO THE PROJECT MANAGER DIRECTLY FROM THE TESTING AGENCY.
13. ALL NECESSARY INSPECTIONS AND/ OR CERTIFICATIONS REQUIRED BY CODES, JURISDICTIONAL AGENCIES, AND/ OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO FINAL INSPECTION.



PLEASE NOTE RENDERING DOES NOT REPRESENT EXACT PLACEMENT LOCATION OF PROPOSED KIOSK AND IS CONCEPTUAL ONLY. PLEASE REFER TO CIVIL PLANS FOR EXACT PLACEMENT LOCATION



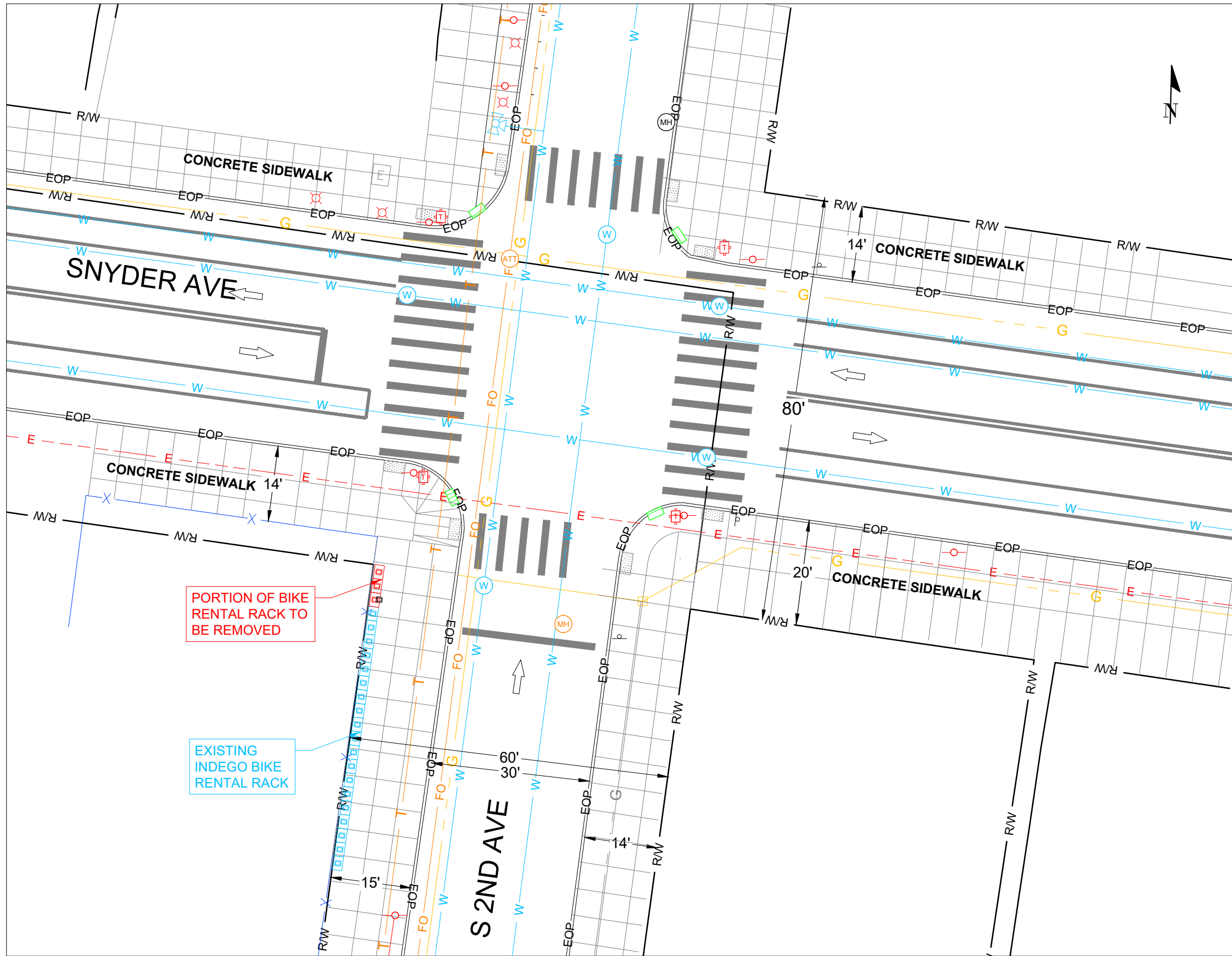
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 PRIOR TO CONSTRUCTION

REVISION DESCRIPTION	REV #	DATE	IKE SMART CITY - PHILADELPHIA PHL-050
			<b>GENERAL NOTES</b>
			DRAWN BY: SHT
			CHECKED BY:
			DATE: 3/6/24
			C-1



# EXISTING CONDITIONS



## NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING LOCATION OF ALL EXISTING UTILITIES BOTH SHOWN OR NOT SHOWN ON PLANS.
2. EXISTING CONDITIONS SHOWN ARE BASED ON THE EXISTING MAPS, RECORDS AND SITE VISIT. LOCATION OF EXISTING UTILITIES SHOWN ARE APPROXIMATE.
3. DESIGNER AND WITHOUT LIABILITY, MAY ADD OR OMIT EXISTING CONDITION INFORMATION.

## LEGEND

	BUS STOP		SHRUBBERY
	48" DOC		SIGN
	ELECTRICAL MANHOLE		SIGNAL CONTROLLER
	ELECTRICAL BOX		STREET LIGHT ASSEMBLY
	FIRE HYDRANT		STORM DRAIN CATCH BASIN
	FOREIGN MARKERS		STORM DRAIN CULVERT
	GAS METER		STORM DRAIN MANHOLE
	GAS VALVE		TELEPHONE VAULT
	JUNCTION BOX		TELEPHONE MANHOLE
	MAIL BOX		TRAFFIC FLOW
	PAD MOUNTED TRANSFORMER		TRAFFIC SIGNAL POLE
	PROPOSED HANDHOLE		TREE
	R/R CROSSING GATE		WATER METER
	UTILITY POLE		WATER VALVE
	UTILITY POLE ANCHOR		YARD LIGHT
	SAN. SEWER MANHOLE		

## LINETYPES

	BOC	BACK OF CURB		PROPOSED CONDUIT
	CENTERLINE	CENTERLINE		OVERHEAD ELECTRIC
	EOP	EDGE OF PAVEMENT		ELECTRIC
	FENCE LINE	FENCE LINE		GAS
	GUARD RAIL	GUARD RAIL		CABLE TV
	P/L	PROPERTY LINE		SANITARY SEWER
	RW	RIGHT OF WAY		STORM SEWER
	RAILROAD	RAILROAD		TELECOM
	L	LEASED CONDUIT		WATER
	EDGE OF WATER	EDGE OF WATER		TRAFFIC SIGNAL

SCALE: 1"=20'



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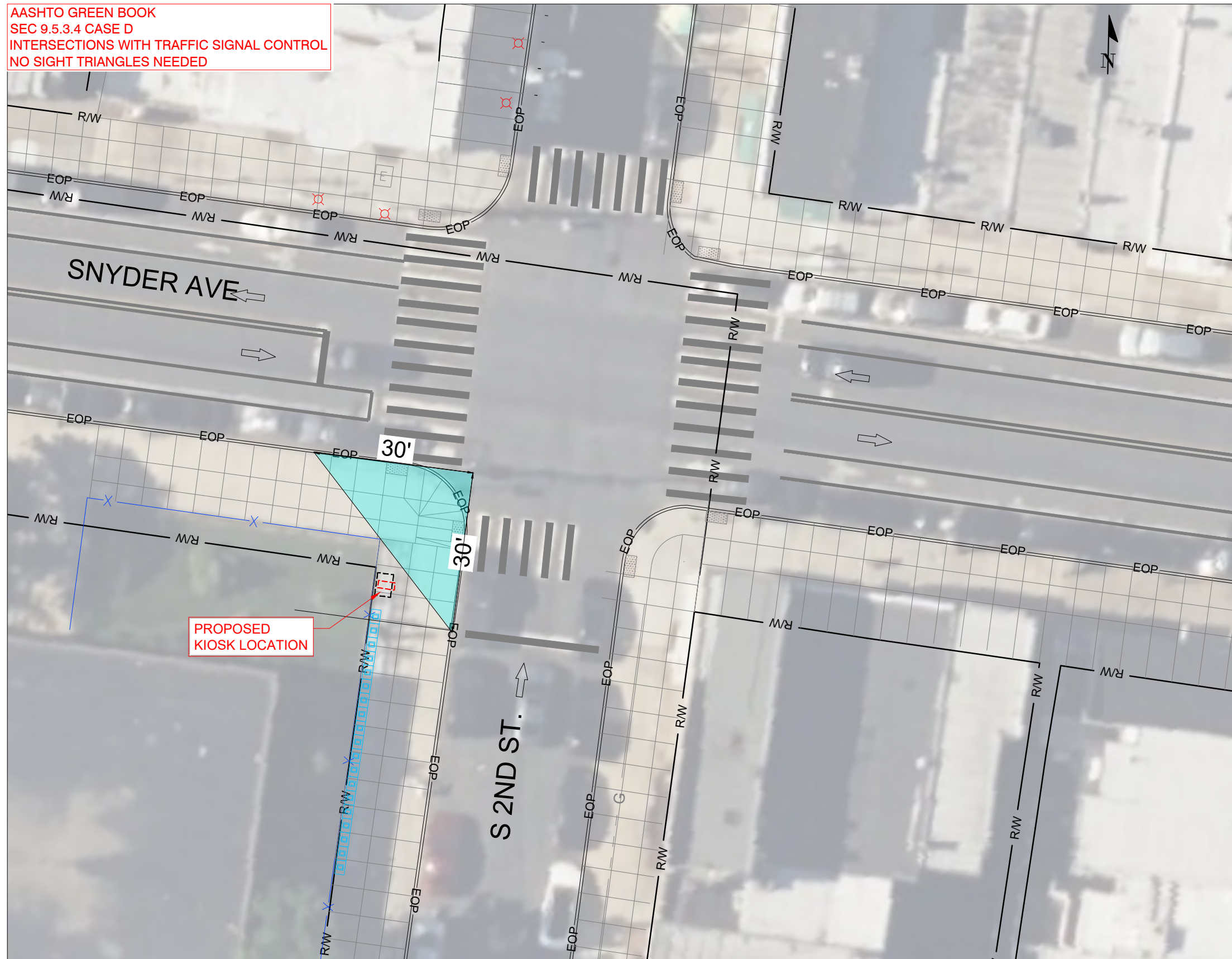
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REVISION DESCRIPTION	REV #	DATE	IKE SMART CITY - PHILADELPHIA PHL-050
			EXISTING CONDITIONS
			DRAWN BY: SHT
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			C-2



# INTERSECTION VISIBILITY

**AASHTO GREEN BOOK  
SEC 9.5.3.4 CASE D  
INTERSECTIONS WITH TRAFFIC SIGNAL CONTROL  
NO SIGHT TRIANGLES NEEDED**



SCALE: 1"=20'

## LEGEND

- |         |                         |  |                         |
|---------|-------------------------|--|-------------------------|
|         | BUS STOP                |  | SHRUBBERY               |
| 48" DOC | DEPTH OF COVER          |  | SIGN                    |
|         | ELECTRICAL MANHOLE      |  | SIGNAL CONTROLLER       |
|         | ELECTRICAL BOX          |  | STREET LIGHT ASSEMBLY   |
|         | FIRE HYDRANT            |  | STORM DRAIN CATCH BASIN |
|         | FOREIGN MARKERS         |  | STORM DRAIN CULVERT     |
|         | GAS METER               |  | STORM DRAIN MANHOLE     |
|         | GAS VALVE               |  | TELEPHONE VAULT         |
|         | JUNCTION BOX            |  | TELEPHONE MANHOLE       |
| MB      | MAIL BOX                |  | TRAFFIC FLOW            |
|         | PAD MOUNTED TRANSFORMER |  | TRAFFIC SIGNAL POLE     |
|         | PROPOSED HANDHOLE       |  | TREE                    |
|         | R/R CROSSING GATE       |  | WATER METER             |
|         | UTILITY POLE            |  | WATER VALVE             |
|         | UTILITY POLE ANCHOR     |  | YARD LIGHT              |
|         | SAN. SEWER MANHOLE      |  |                         |

## LINETYPES

- |  |                |                  |  |                   |
|--|----------------|------------------|--|-------------------|
|  | BOC            | BACK OF CURB     |  | PROPOSED CONDUIT  |
|  | CENTERLINE     | CENTERLINE       |  | OVERHEAD ELECTRIC |
|  | EOP            | EDGE OF PAVEMENT |  | ELECTRIC          |
|  | FENCE LINE     | FENCE LINE       |  | GAS               |
|  | GUARD RAIL     | GUARD RAIL       |  | CABLE TV          |
|  | PROPERTY LINE  | PROPERTY LINE    |  | SANITARY SEWER    |
|  | RIGHT OF WAY   | RIGHT OF WAY     |  | STORM SEWER       |
|  | RAILROAD       | RAILROAD         |  | TELECOM           |
|  | LEASED CONDUIT | LEASED CONDUIT   |  | WATER             |
|  | EDGE OF WATER  | EDGE OF WATER    |  | TRAFFIC SIGNAL    |



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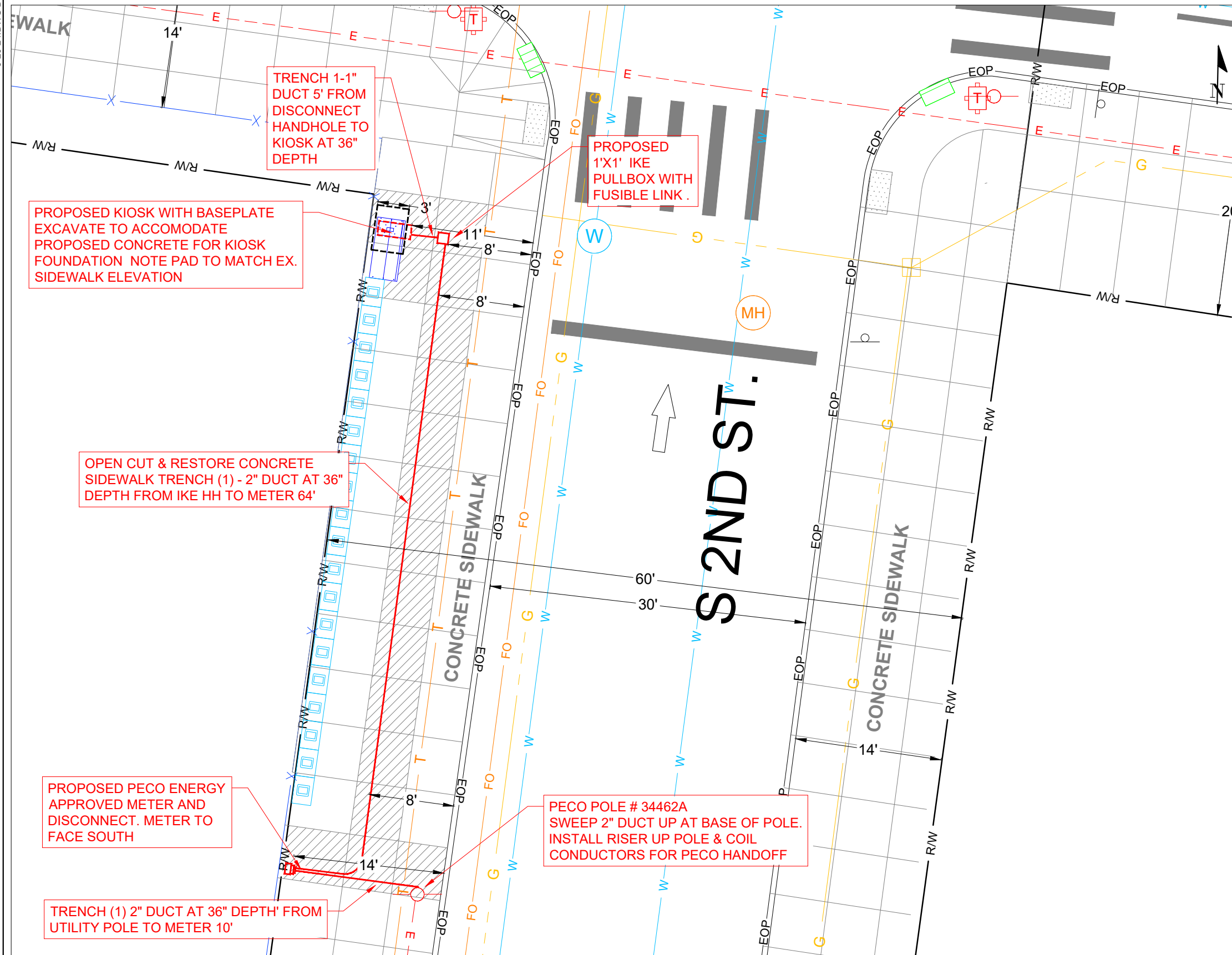
**CAUTION!!!**  
CONTRACTOR TO LOCATE &  
VERIFY ALL EXISTING UTILITIES  
PRIOR TO CONSTRUCTION

REVISION DESCRIPTION	REV #	DATE	IKE SMART CITY - PHILADELPHIA PHL-050 INTERSECTION VISIBILITY

DRAWN BY: SHT  
CHECKED BY:   
DATE: 3/26/24  
C-3



# SITE PLAN



## NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING LOCATION OF ALL EXISTING UTILITIES BOTH SHOWN OR NOT SHOWN ON PLANS.
2. EXISTING CONDITIONS SHOWN ARE BASED ON THE EXISTING MAPS, RECORDS AND SITE VISIT. LOCATION OF EXISTING UTILITIES SHOWN ARE APPROXIMATE.
3. THE DESIGNER WITHOUT LIABILITY, MAY ADD OR OMIT EXISTING CONDITION INFORMATION.

## LEGEND

	BUS STOP		SHRUBBERY
	48" DOC		SIGN
	ELECTRICAL MANHOLE		SIGNAL CONTROLLER
	ELECTRICAL BOX		STREET LIGHT ASSEMBLY
	FIRE HYDRANT		STORM DRAIN CATCH BASIN
	FOREIGN MARKERS		STORM DRAIN CULVERT
	GAS METER		STORM DRAIN MANHOLE
	GAS VALVE		TELEPHONE VAULT
	JUNCTION BOX		TELEPHONE MANHOLE
	MAIL BOX		TRAFFIC FLOW
	PAD MOUNTED TRANSFORMER		TRAFFIC SIGNAL POLE
	PROPOSED HANDHOLE		TREE
	R/R CROSSING GATE		WATER METER
	UTILITY POLE		WATER VALVE
	UTILITY POLE ANCHOR		YARD LIGHT
	SAN. SEWER MANHOLE		

## LINETYPES

	BOC	BACK OF CURB		PROPOSED CONDUIT
	CENTERLINE			OHE OVERHEAD ELECTRIC
	EOP	EDGE OF PAVEMENT		E ELECTRIC
	X	FENCE LINE		G GAS
	Guard rail			CATV CABLE TV
	P/L	PROPERTY LINE		SAN SANITARY SEWER
	R/W	RIGHT OF WAY		SD STORM SEWER
	RAILROAD			TELECOM
	L	LEASED CONDUIT		W WATER
	EDGE OF WATER			TS TRAFFIC SIGNAL

SCALE: 1"=10'



\*\*\*\*\*NOTE\*\*\*\*\*  
 UTILITY & R.O.W. REPRESENTED ON PLANS ARE BASED ON RECORDS INFORMATION. NOT BASED ON BOUNDARY SURVEY & FIELD EXPOSURES.

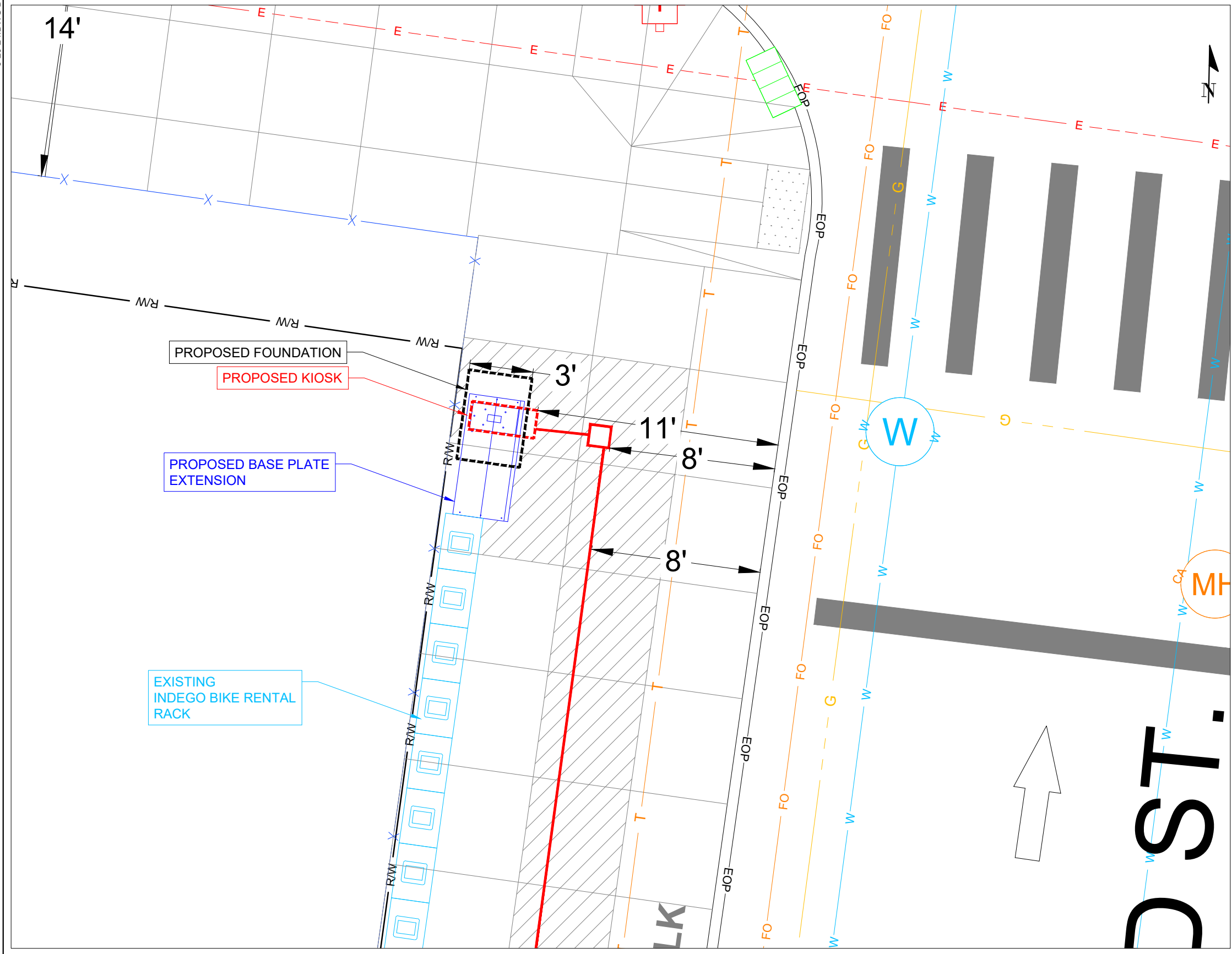
CAUTION!!!  
 CONTRACTOR TO LOCATE & VERIFY ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION

REVISION DESCRIPTION	REV #	DATE	IKI SMART CITY - PHILADELPHIA PHL-050 SITE PLAN
			DRAWN BY: SHT
			CHECKED BY:
			DATE: 3/26/24
			C-4A



2024-03-26 C:\USERS\DHOWICKONEDRIVE - DANELLA COMPANIES, INC\DECCUJOBS\IKE SMART CITY\PHILADELPHIA SHARED KIOSK FOLDER\5-PHL-050 S 2ND ST & SYNDER AV VICAD FILE\PHL-050 S 2ND ST & SYNDER AV 3-26-24.DWG DHOWICK

### SITE DETAIL



SCALE: 1"=5'

### NOTES:

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### LEGEND

	BUS STOP		SHRUBBERY
	48" DOC		SIGN
	ELECTRICAL MANHOLE		SIGNAL CONTROLLER
	ELECTRICAL BOX		STREET LIGHT ASSEMBLY
	FIRE HYDRANT		STORM DRAIN CATCH BASIN
	FOREIGN MARKERS		STORM DRAIN CULVERT
	GAS METER		STORM DRAIN MANHOLE
	GAS VALVE		TELEPHONE VAULT
	JUNCTION BOX		TELEPHONE MANHOLE
	MAIL BOX		TRAFFIC FLOW
	PAD MOUNTED TRANSFORMER		TRAFFIC SIGNAL POLE
	PROPOSED HANDHOLE		TREE
	R/R CROSSING GATE		WATER METER
	UTILITY POLE		WATER VALVE
	UTILITY POLE ANCHOR		YARD LIGHT
	SAN. SEWER MANHOLE		

### LINETYPES

	BACK OF CURB		PROPOSED CONDUIT
	CENTERLINE		OVERHEAD ELECTRIC
	EDGE OF PAVEMENT		ELECTRIC
	FENCE LINE		GAS
	GUARD RAIL		CABLE TV
	PROPERTY LINE		SANITARY SEWER
	RIGHT OF WAY		STORM SEWER
	RAILROAD		TELECOM
	LEASED CONDUIT		WATER
	EDGE OF WATER		TRAFFIC SIGNAL



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 CONTRACTOR TO LOCATE & VERIFY ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION

REVISION DESCRIPTION	REV #	DATE	IKS SMART CITY - PHILADELPHIA PHL-050 SITE DETAIL

DRAWN BY: SHT  
 CHECKED BY:  
 DATE: 3/26/24

C-4B



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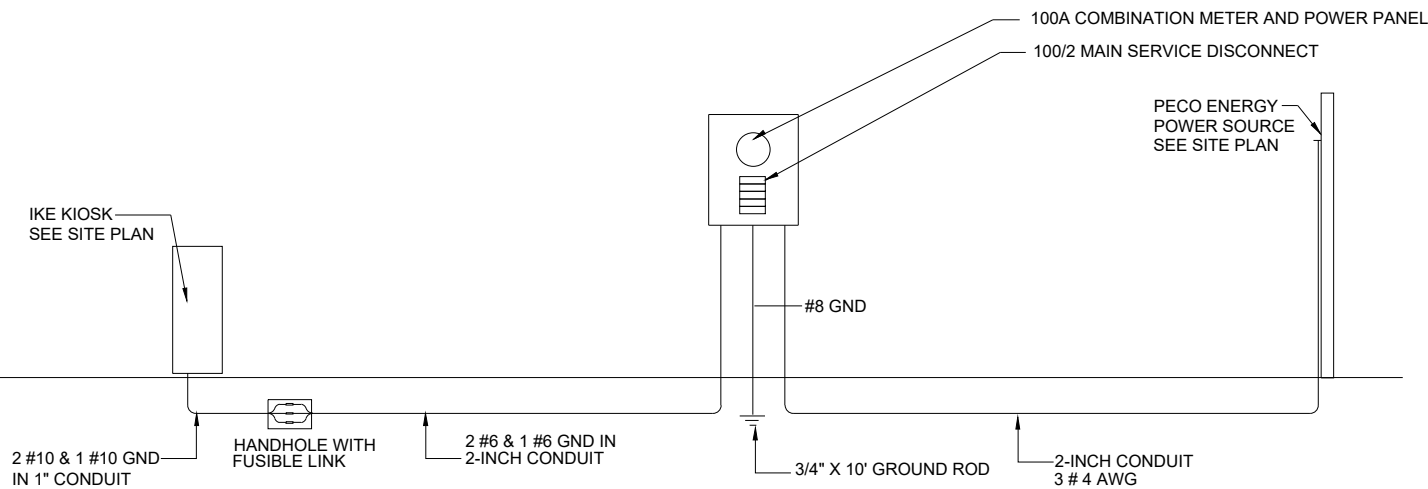
# ELECTRICAL SITE PLAN

N.T.S.



## VOLTAGE CALCULATIONS

SECTION	1	2	3
SECTION WIRE DISTANCE	11'	71'	41'
CONDUIT SIZE	1" DUCT	2" DUCT	2" DUCT
WIRE SIZE	#10 AWG	#6 AWG	#4 AWG
VOLTAGE DROP CALC.	.68V	1.74V	1.09V



## ELECTRICAL RISER DIAGRAM TYPICAL

120/240V 1-PHASE 3-WIRE

Load Type	LOAD (KVA)						LOAD (KVA)						LOAD TYPE		
	MISC.	HVAC	LTS.	REC.	Brkr. Size		A	B	2	Brkr. Size	REC.	LTS.		HVAC	MISC.
LCD Panel	2.2	-	-	-	30/1	1			2	100/2	-	-	-	-	Service Main
-	-	-	-	-	-	3			4	-	-	-	-	-	Disconnect
-	-	-	-	-	-	5			6	-	-	-	-	-	-
-	-	-	-	-	-	7			8	-	-	-	-	-	-
-	-	-	-	-	-	9			10	-	-	-	-	-	-
Totals	2.2	0.0	0.0	0.0						0.0	0.0	0.0	0.0	0.0	Totals
Panel: PHL-050												S/N Bar			
Voltage: 120/240				CONNECTED		Demand Factor		Demand Total		X			GROUND BAR		
Phase: 1				LTS.	0.0	125%		0.0		Pedestal			Mounting Type		
Wire: 3				REC.	0.0	***		0		22,000			MIN AIC		
Mains: 100A				MISC.	2.2	100%		2.2		X			Series Rated****		
Main Breaker: 100A				HVAC	0.0	****		0.0		X			NEW		
				TOTAL (KVA)	2.2			2.2					EXISTING		
				TOTAL (AMPS)	18.3			18.3							



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CAUTION!!!  
CONTRACTOR TO LOCATE & VERIFY ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION

REVISION DESCRIPTION	REV #	DATE	IKE SMART CITY - PHILADELPHIA PHL-050
			OPEN TRENCH DETAILS
			DRAWN BY: SHT
			CHECKED BY:
			DATE: 3/26/24
			E-1



**GENERAL STRUCTURAL NOTES**

- All work shall be performed in accordance with the contract documents. In case of a conflict within the contract documents, the more stringent condition shall govern, unless directed otherwise by the engineer of record. Prior to implementation, any discrepancies shall be reported to the architect for clarification.
- In the event that certain details of construction are not indicated or noted in the drawings, details for similar conditions that are indicated or noted shall be utilized, subject to the structural engineer's approval.
- Openings and penetrations through structural elements, and items embedded in structural elements that are not indicated in the structural drawings shall be reviewed by the structural engineer prior to fabrication, erection and/or construction.
- The structure has been designed for the in-service loads only. The methods, procedures and sequences of construction are the responsibility of the contractor. Contractor shall take all necessary precautions to maintain and ensure the integrity of the structure at all stages of construction. Contractor shall immediately notify the structural engineer of any condition which, in his opinion, might endanger the stability of the structure or cause distress in the structure.
- All existing conditions and all related dimensions indicated in the contract documents shall be field verified prior to fabrication, erection and/or construction. Any condition that differs from that indicated in the contract documents shall be submitted to the architect for review prior to fabrication, erection and/or construction.
- The structure has been designed to meet or exceed serviceability requirements of section 1604.3 of the International Building Code. All non-structural components & their connections that are anchored to the structure shall be designed to allow for the movement of the structure caused by wind, snow, live, thermal, shrinkage/creep and earthquake loads. Non-structural components include items such as non-load bearing walls, MEP components, bulkheads, etc.
- Provide special inspection in accordance with chapter 17 of the International Building Code and with project specifications.
- Unless noted otherwise, all loads specified in these documents are nominal loads and are to be entered into the appropriate strength or allowable stress design load combinations with appropriate factors, as defined by ASCE7, by the building component engineer in the design of their product. Gravity load shear beam reactions on plan for steel framing represent the combined service load effect from allowable stress design load combinations.

**GENERAL FOUNDATION AND CONCRETE NOTES**

- A registered geotechnical engineer shall be retained to confirm that the soils at the site are capable of the design soil bearing pressure. This will require a report by the geotechnical engineer. (Quantity, depth, and location of soil borings shall be at the discretion of the geotechnical engineer) The contractor shall implement all requirements and recommendations stated in this report.
- It is strongly recommended that the geotechnical engineer of record that produces the report be retained to provide the soils testing and inspections during construction.
- Fill material shall be thoroughly compacted prior to placement of concrete. Fill under all slabs on grade shall be as recommended in the geotechnical report. If there is no geotechnical report, a minimum of 6" of well draining granular material shall be placed under all slabs on grade (UNO elsewhere in the construction documents).
- Coordinate finish of all foundation work, including slabs on grade, with architectural and flooring supplier's requirements.
- Cover for reinforcing shall be in accordance with ACI-318.
- All exposed edges of concrete piers, beams, and walls shall be chamfered 3/4" x 45 degrees. UNO
- Coordinate placement of KIOSK anchor rods with foundation reinforcing. All column anchor rods shall be installed using templates and setting drawings. No tilted or misplaced bolts will be accepted. Notify Architect/Engineer for approval of any corrective action. Tolerances for the installation of the anchor bolts shall be in accordance with AISC "Code of Standard Practice" guidelines.
- Anchors for embedded plates shall be as shown on the drawings. Headed studs shall conform to ASTM A108 and AWS D1.1 Grade B. Reinforcing bars to be welded to plates shall be ASTM A615 Grade 40 or ASTM A706 Grade 60.
- Refer to "General Structural Notes" for information regarding special inspections and installation of post installed anchors.

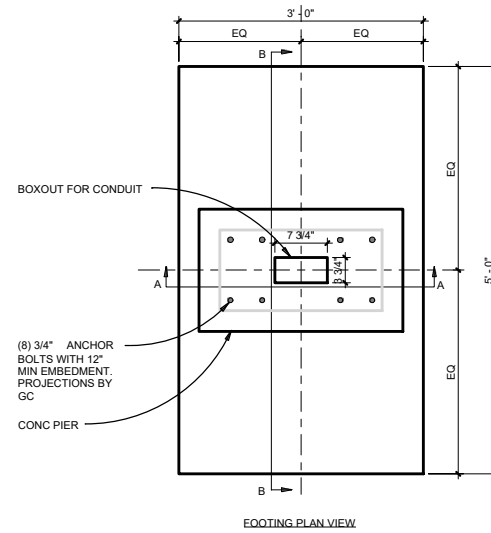
**CONCRETE NOTES**

- All concrete shall be done in accordance with ACI 117, 211, 301, 302, 315, 347 and 318 requirements, and as stated on contract documents.
- Coordinate finish of exposed concrete with Architect.
- Testing of concrete shall be provided for each KIOSK foundation and pier installed, and shall include but is not limited to slump, air content, concrete temperature, unit weight, and compressive strength. All testing shall follow ASTM standards.
- Admixtures shall contain no more than 0.1 percent water-soluble chloride ions by mass of cementitious material. Do not use admixtures containing calcium chloride.
  - Water-Reducing Admixture: ASTM C494, Type A
  - High-Range, Water-Reducing Admixture: ASTM C494, Type F
  - Water-Reducing and Accelerating Admixture: ASTM C494, Type E
  - Water-Reducing and Retarding Admixture: ASTM C494, Type D
  - Air-Entraining Admixture: ASTM C260
- Repair and patch defective areas as directed by Architect.

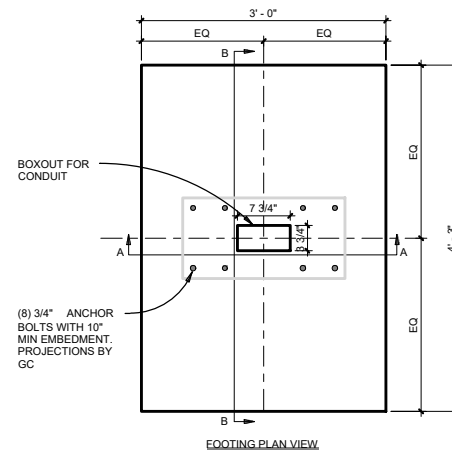
**ENGINEERING DATA**

Design soil bearing pressure	1000 psf (assumed)
Design stresses	
Concrete	
Footings and Foundations	$f_c = 3500$ psi
Grade slabs	$f_c = 3500$ psi
Reinforcing steel	$f_y = 60000$ psi
Structural design requirements	
Risk Category	I
Wind Load	
Ultimate design wind speed (3 sec)	120 mph
Wind exposure category	C
Signage pressure coeff (GC)	1.35
Components & cladding (varies)	27 psf
Signage design pressure	
Seismic Design Category	A or B (assumed)
Specific Design Loads	
Kiosk dead load	800 lb
Design codes	
General building code	IBC 2015
Concrete	ACI 318

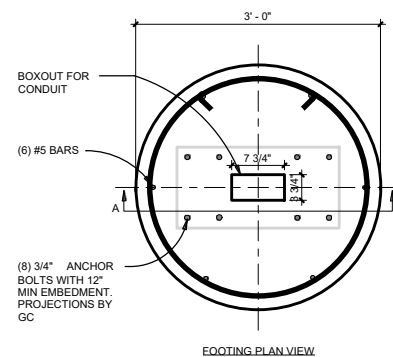
**FOUNDATION DETAILS**  
N.T.S



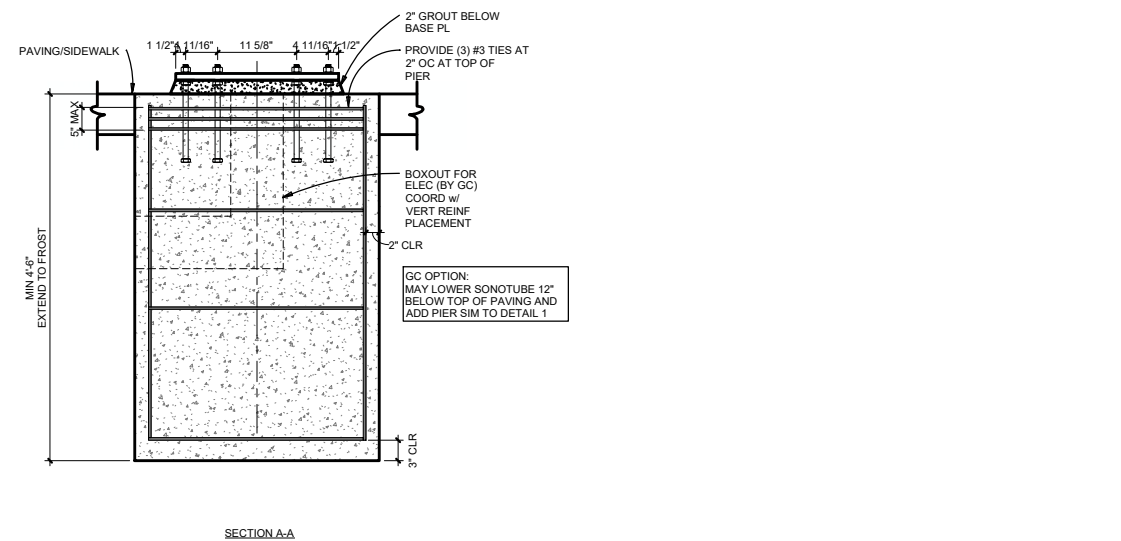
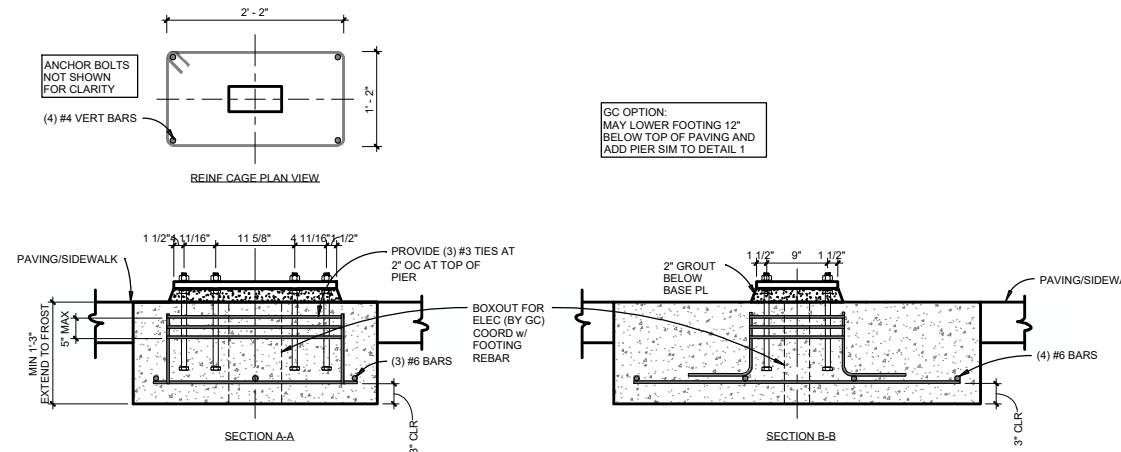
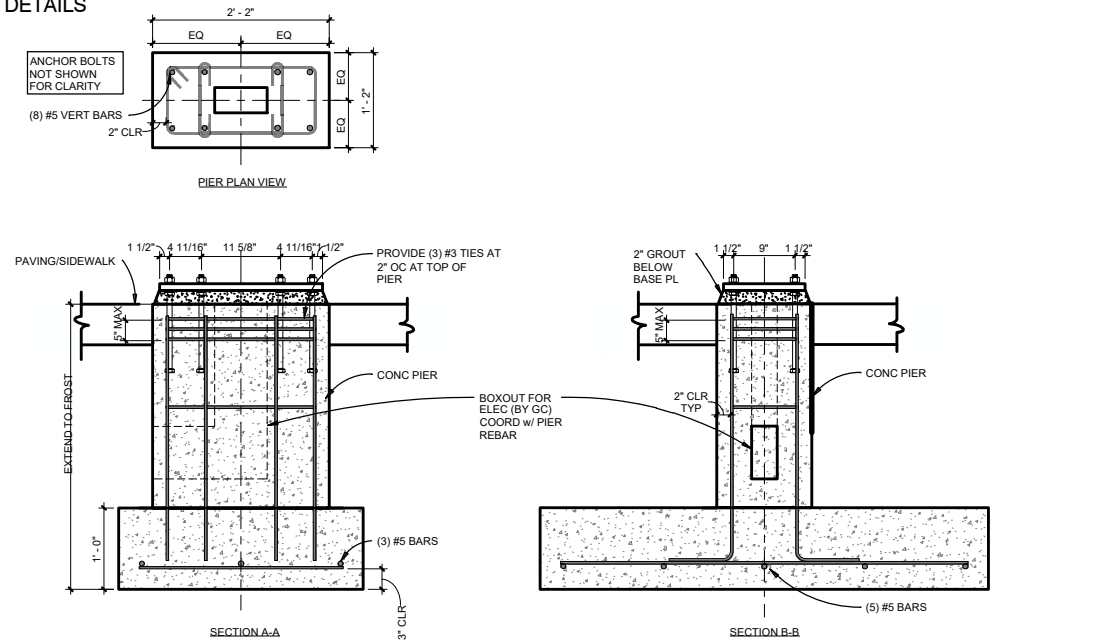
**1**  
**S101**  
**OPTION 1 SPREAD FOOTING WITH PIER**  
SCALE: 1" = 1'-0"



**2**  
**S101**  
**OPTION 2 SHALLOW SPREAD FOOTING**  
SCALE: 1" = 1'-0"



**3**  
**S101**  
**OPTION 3 SONOTUBE**  
SCALE: 1" = 1'-0"



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REVISION DESCRIPTION	REV #	DATE	IKO SMART CITY - PHILADELPHIA
			KIOSK DETAILS
			S-1







## COMMUNITY ENGAGEMENT

Collaboration has been key to the successful deployment of IKE networks across the United States. The IKE team has experience working closely with council members, management districts, local businesses, property owners, and community advocacy groups to ensure the first wave of the IKE network delivers upon their unique needs. From kiosk locations, neighborhood-driven cabinet branding, and customized on-screen content to local art partnerships and modified advertising category restrictions, we ensure every aspect of our IKE programs reflects stakeholder input.

In Philadelphia, Indego actively worked with Registered Community Organizations (RCOs) and community stakeholders to get the bike stations installed. Indego and IKE Smart City have identified RCOs and community stakeholders for each proposed IKE site. Indego's partnership with them will continue as the IKEs are installed.

### 16TH & CALLOWHILL

- ▶ Logan Square Neighborhood Association
- ▶ Center City Organized for Responsible Development
- ▶ Tina Roberts, Tower Investments

### 2ND & SNYDER

- ▶ Whitman Council
- ▶ Lower Moyamensing Civic Association (Todd Schwartz & Patti Tahan)

### 18TH & WASHINGTON

- ▶ Concerned Citizens of Point Breeze
- ▶ Point Breeze Community Development Coalition (Albert Littlepage)
- ▶ Point Breeze Collective

### 11TH & WASHINGTON

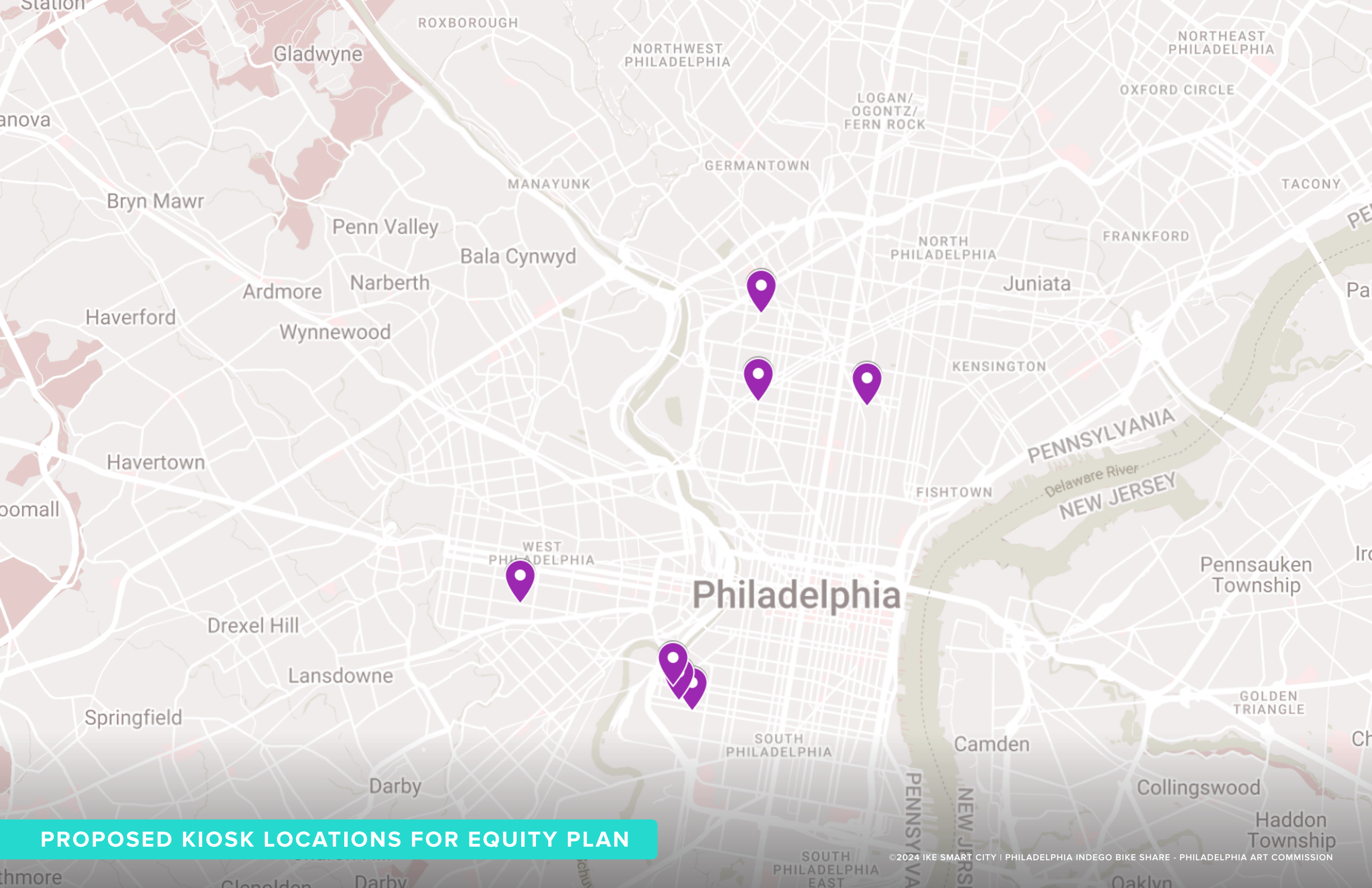
- ▶ Passyunk Square Civic Association





## EQUITY PLAN

- ▶ IKE & BTS are currently developing a plan to deploy IKE's in underserved communities to align with [Indego's Five-Year Equity Plan](#)
- ▶ IKE provides numerous benefits to underserved communities including (1.) Free WiFi (2.) Transit planning (3.) Directory services for a variety of Social Services & Civic Resources (4.) Emergency call button (Optional) (5.) Camera Monitoring (Optional) (5.) Real time PSAs
- ▶ IKE plans for 10% of all Kiosks installed to be part of this equity plan
- ▶ IKE and BTS will closely monitor ridership data as IKE's are installed to better understand how IKE's can be used to increase ridership at Indego stations in underserved communities
- ▶ IKE & BTS will also work with local community groups, business improvement districts, and arts & culture organizations for their input on kiosk locations and displays
- ▶ Locations that are being considered:
  - 20th St & Tasker St
  - 30th St & Reed St
  - 54th St & Cedar Blvd
  - 25th St & W Diamond St
  - 10th St & W Nevada St
  - 27th St & S Morris St



**PROPOSED KIOSK LOCATIONS FOR EQUITY PLAN**





**PHI-IKE-070: 27TH & CLEARFIELD**



# Thank you

IKESmartcity.com

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