

MOBILITIE, LLC
PHOTO SIMULATION

FOR NEW SMALL CELL SITE LOCATED AT:

109 13TH STREET | HUNTINGTON BEACH, CA 92648
SITE ID: OG90XSS57A

03.2019
REV 0



VICINITY MAP

© 2019 Google



PREVIEW

SITE DESCRIPTION:
NEW SMALL CELL SITE
WITHIN EXISTING RIGHT
OF WAY

VIEWS: 3
SHEET INDEX
SHEET 2: VIEW 1
SHEET 3: VIEW 2
SHEET 4: VIEW 3

DATE: 03.21.19

SHEET: 1 / 4

Photo Simulation By:

Tangent
SYSTEMS
424-262-4167 | tangentsystems.co

Photo Simulation

This photographic simulation is intended as a visual representation only and is not to be used for construction purposes. Accuracy of photo simulation is based on information provided by project applicant.

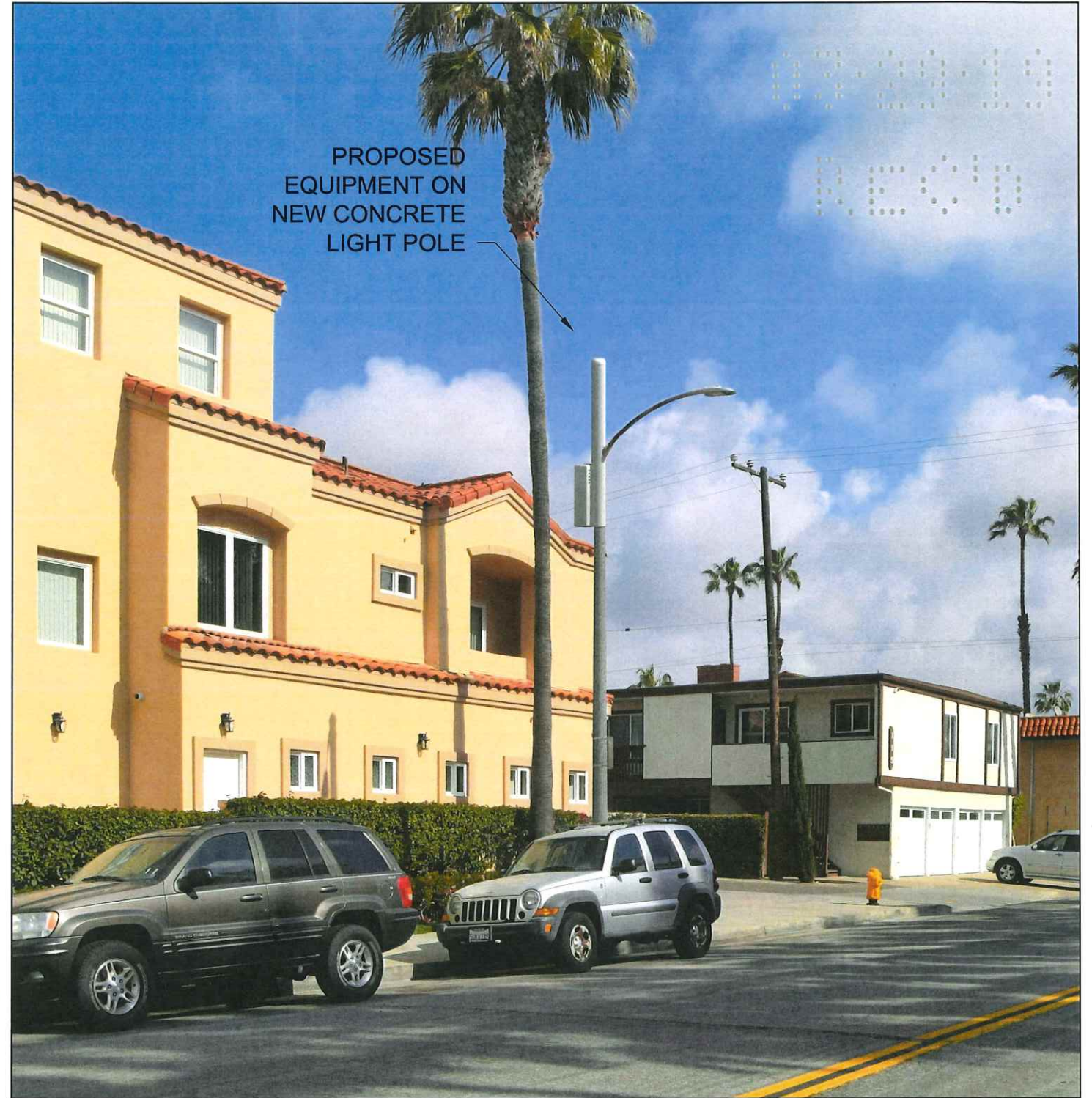
MOBILITIE, LLC

Site ID: OG90XSS57A
SITE TYPE: NEW CONCRETE LIGHT POLE
109 13TH STREET
HUNTINGTON BEACH, CA 92648



EXISTING VIEW

DATE: 03.21.19



PROPOSED VIEW

VIEW 1 - LOOKING NORTHEAST FROM 13TH ST

SHEET: 2 / 4

Photo Simulation By:

Tangent
SYSTEMS
424-262-4167 | tangentsystems.co

Photo Simulation

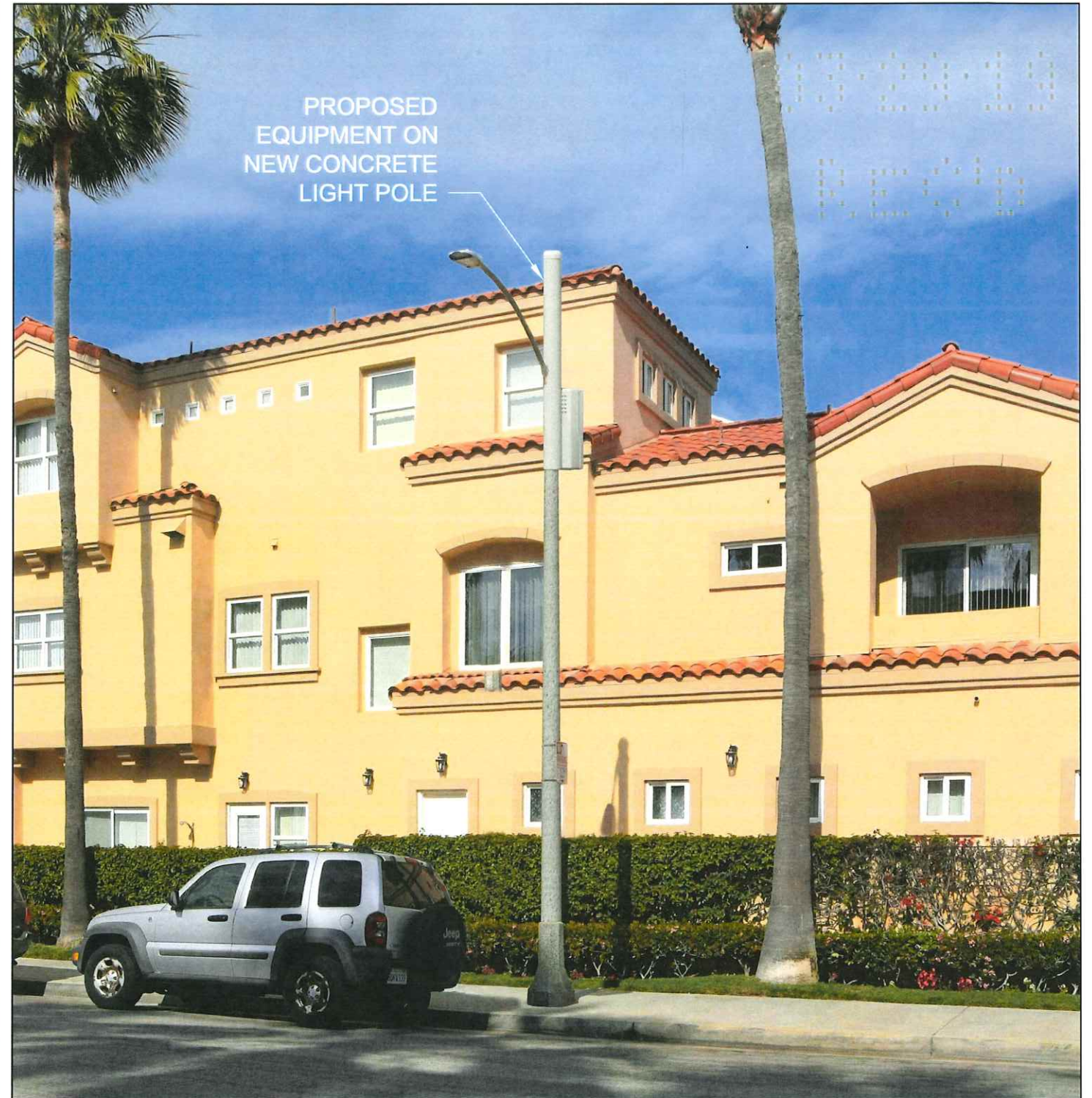
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109 13TH STREET
HUNTINGTON BEACH, CA 92648



EXISTING VIEW

PROPOSED VIEW

DATE: 03.21.19

VIEW 2 - LOOKING NORTHWEST FROM 13TH ST

SHEET: 3 / 4

Photo Simulation By:

Tangent
SYSTEMS
424-262-4167 | tangentsystems.co

Photo Simulation

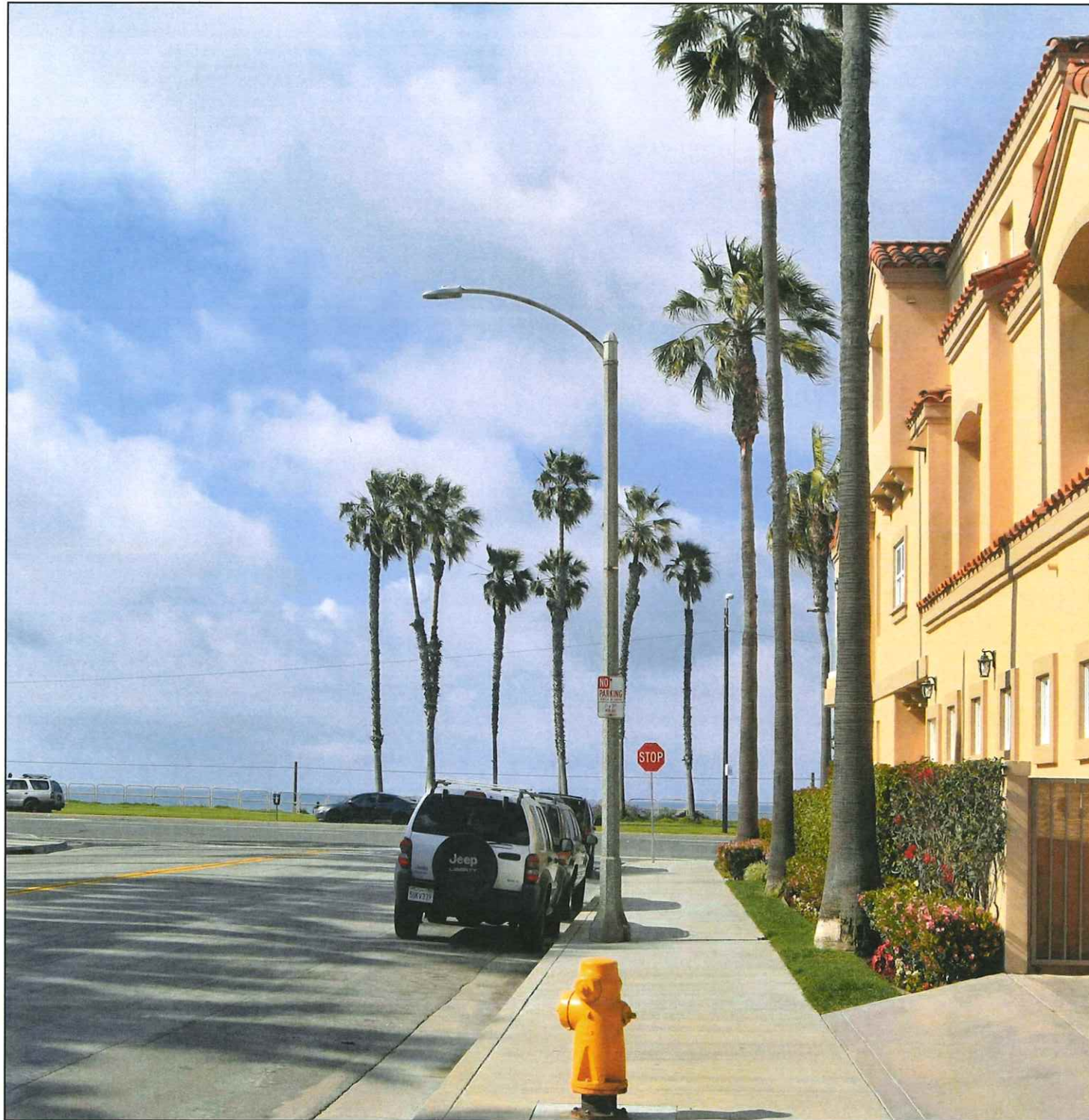
This photographic simulation is intended as a visual representation only and is not to be used for construction purposes. Accuracy of photo simulation is based on information provided by project applicant.

MOBILITIE, LLC

Site ID: OG90XSS57A

SITE TYPE: NEW CONCRETE LIGHT POLE

**109 13TH STREET
HUNTINGTON BEACH, CA 92648**



EXISTING VIEW

PROPOSED VIEW

VIEW 3 - LOOKING SOUTHWEST FROM 13TH ST

SHEET: 4 / 4

DATE: 03.21.19

Photo Simulation By:

Tangent
SYSTEMS
424-262-4167 | tangentsystems.co

Photo Simulation

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MOBILITIE, LLC

Site ID: OG90XSS57A

SITE TYPE: NEW CONCRETE LIGHT POLE

109 13TH STREET
HUNTINGTON BEACH, CA 92648



9CAB014377A/OG90XSS57A

33.662821 / -118.008962

13TH ST. & PACIFIC COAST HWY.

109 13TH STREET

HUNTINGTON BEACH, CA 92648

IF YOU DIG IN ANY STATE
DIAL 811 FOR THE LOCAL
"ONE CALL CENTER" -
IT'S THE LAW

THE UTILITIES SHOWN HEREIN ARE FOR THE CONTRACTORS CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER/SURVEYOR ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL THE UTILITIES WITHIN THE LIMITS OF THE WORK. ALL DAMAGE MADE TO THE (E) UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

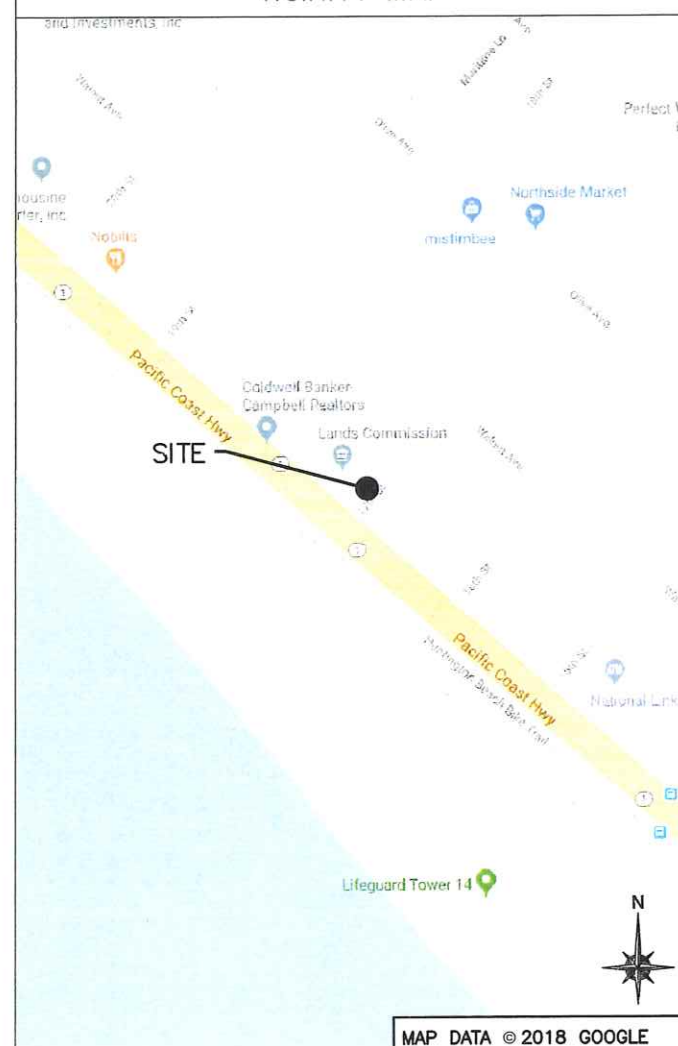
THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OF EFFECT ON DRAINAGE; NO SANITARY SEWER SERVICE, POTABLE WATER OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE IS (N).

SITE ID:	9CAB014377A
CASCADE ID:	OG90XSS57A
LATITUDE:	33.662821
LONGITUDE:	-118.008962
CROSS STREET:	13TH ST. & PACIFIC COAST HWY.
CITY, STATE, ZIP:	HUNTINGTON BEACH, CA 92648
COUNTY:	ORANGE COUNTY
JURISDICTION:	CITY OF HUNTINGTON BEACH
PROPERTY OWNER:	PUBLIC RIGHT—OF—WAY
APPLICANT:	<u>MOBILITIE, LLC</u> 2955 RED HILL AVENUE, STE. 200, COSTA MESA, CA 92626 CONTACT: BARBARA BREEDEN PHONE: (949)–524–7399 EMAIL: barbara.breedon@mobilitie.com

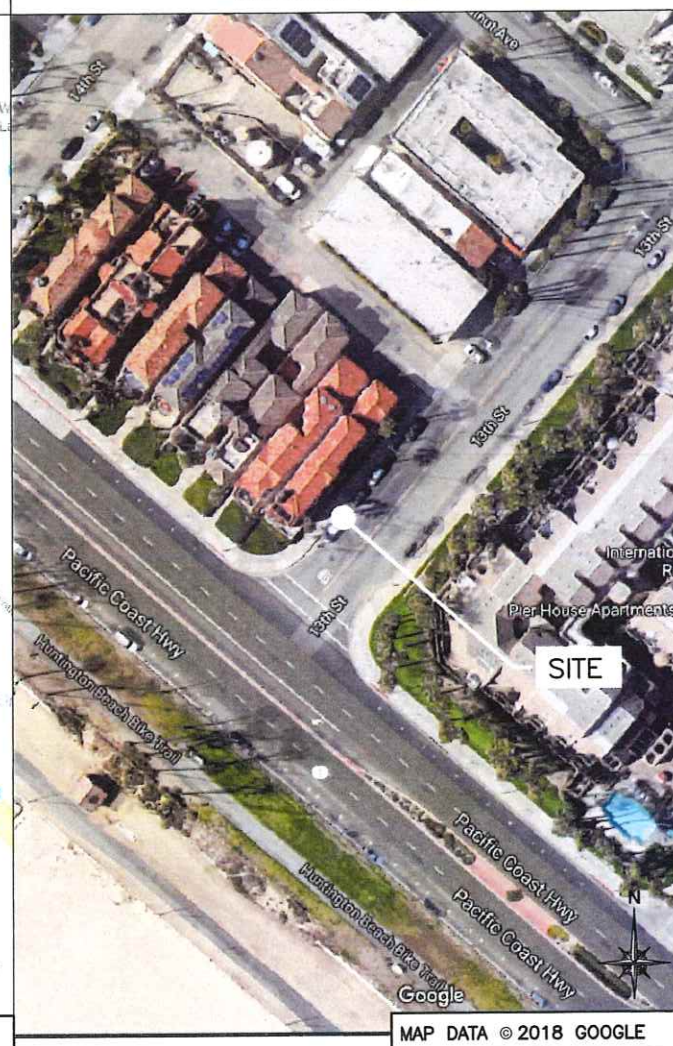
XD INDUSTRIES JOSE FRIAS
1572 N. BATAVIA ST. SUITE 1D (714) 947-3093
ORANGE, CA 92876 PROJECT NUMBER: 9CAB014377A

CONTRACTORS SHALL VERIFY ALL PLANS, (E) DIMENSIONS & FIELD CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

VICINITY MAP



REGIONAL MAP



END USER PROPOSES TO REPLACE EXISTING CONCRETE POLE AND INSTALL EQUIPMENT ON A NEW CONCRETE POLE WITHIN AN EXISTING RIGHT-OF-WAY.
THE SCOPE WILL CONSIST OF THE FOLLOWING:

- REMOVE EXISTING CONCRETE LIGHT POLE
- INSTALL A NEW CONCRETE LIGHT POLE WITH PROPOSED BACKHAUL TRANSPORT EQUIPMENT

2016 CA BUILDING CODE	GENERAL ORDER 95
2016 CA ELECTRICAL CODE	
TIA/EIA-222-G-2 OR LATEST EDITION	
LOCAL BUILDING/PLANNING CODE	

SHEET NO:	SHEET TITLE
T-1	TITLE SHEET
GN-1	GENERAL NOTES
GN-2	GENERAL NOTES
SP-1	EXHIBIT PHOTO & SITE PLAN
SP-2	OVERALL SITE PLAN
EV-1	ELEVATIONS
EV-2	ELEVATIONS
EQ-1	EQUIPMENT DETAILS
EQ-2	EQUIPMENT DETAILS
EQ-3	EQUIPMENT DETAILS
EQ-4	POLE SPECIFICATIONS
EX-1	TRENCH DETAIL
E-1	ELECTRICAL
G-1	GROUNDING



mobilitie
intelligent infrastructure



PROJECT NO: OG90XSS57A

DRAWN BY: ZZ

CHECKED BY: JF

1	02/27/19	CITY COMMENTS
0	01/16/19	CONSTRUCTION DRAWINGS

IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT

OG90XSS57A
109 13TH STREET
HUNTINGTON BEACH, CA 92648
(N) CONCRETE LIGHT POLE

SHEET TITLE
TITLE SHEET

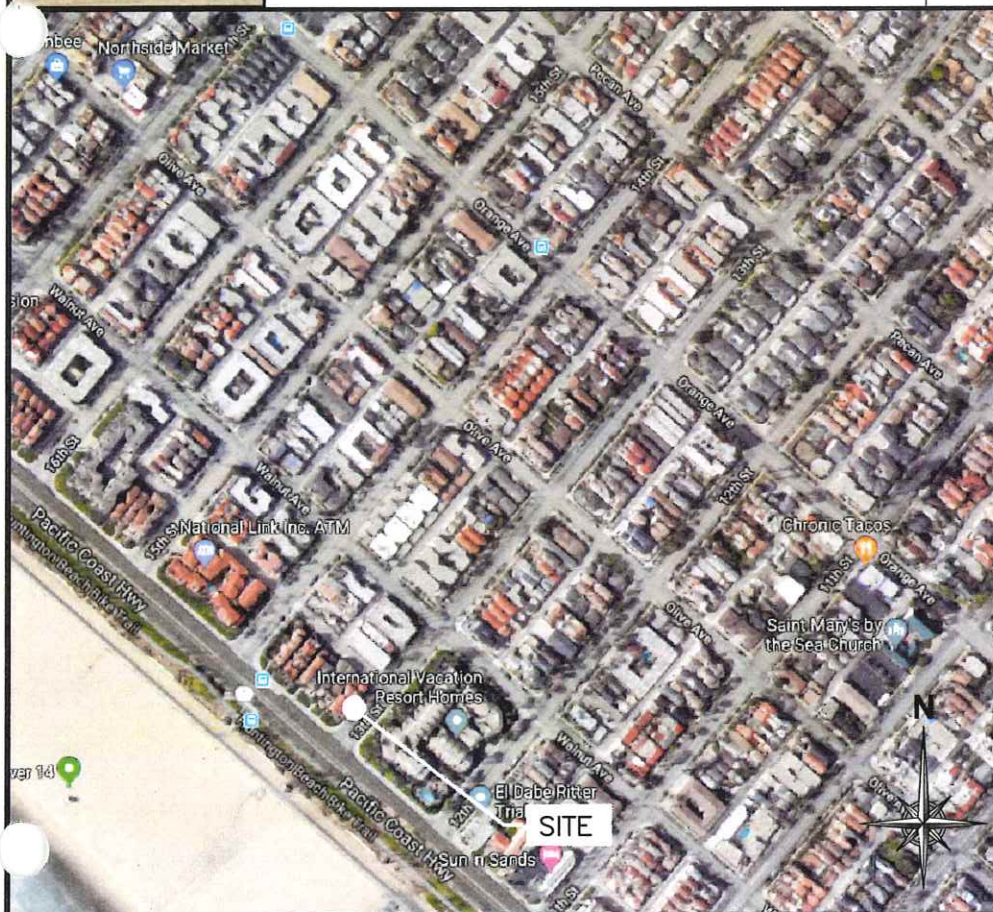
SHEET NUMBER
T-1



EXHIBIT PHOTO

SCALE: NOT TO SCALE

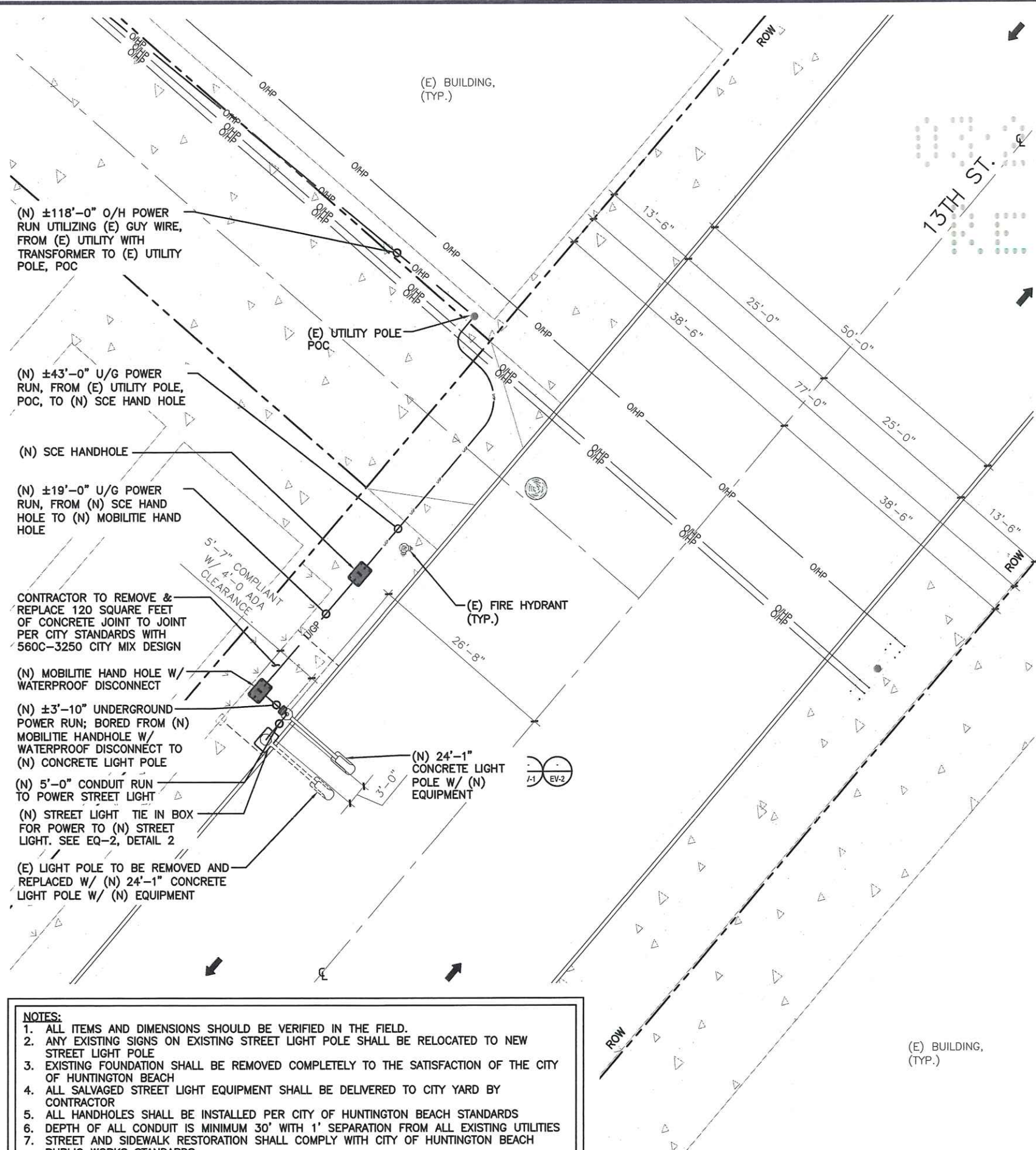
1



AERIAL SITE LOCATION

SCALE: NOT TO SCALE

2



NOTES:

1. ALL ITEMS AND DIMENSIONS SHOULD BE VERIFIED IN THE FIELD.
2. ANY EXISTING SIGNS ON EXISTING STREET LIGHT POLE SHALL BE RELOCATED TO NEW STREET LIGHT POLE
3. EXISTING FOUNDATION SHALL BE REMOVED COMPLETELY TO THE SATISFACTION OF THE CITY OF HUNTINGTON BEACH
4. ALL SALVAGED STREET LIGHT EQUIPMENT SHALL BE DELIVERED TO CITY YARD BY CONTRACTOR
5. ALL HANDHOLES SHALL BE INSTALLED PER CITY OF HUNTINGTON BEACH STANDARDS
6. DEPTH OF ALL CONDUIT IS MINIMUM 30' WITH 1' SEPARATION FROM ALL EXISTING UTILITIES
7. STREET AND SIDEWALK RESTORATION SHALL COMPLY WITH CITY OF HUNTINGTON BEACH PUBLIC WORKS STANDARDS
8. ANY IMPROVEMENTS TO BE RESTORED TO CITY OF HUNTINGTON BEACH PUBLIC WORKS STANDARDS

ENLARGED SITE PLAN

SCALE: 1/16" = 1'-0" (1/8" = 1'-0" ON 22"x34" SHEET)

3

mobilitie
intelligent infrastructure

XD Industries

1572 N. BATAVIA ST. SUITE 1D
ORANGE, CA 92876

PROJECT NO: OG90XSS57A
DRAWN BY: ZZ
CHECKED BY: JF

		CITY COMMENTS
1	02/27/19	
0	01/16/19	CONSTRUCTION DRAWINGS

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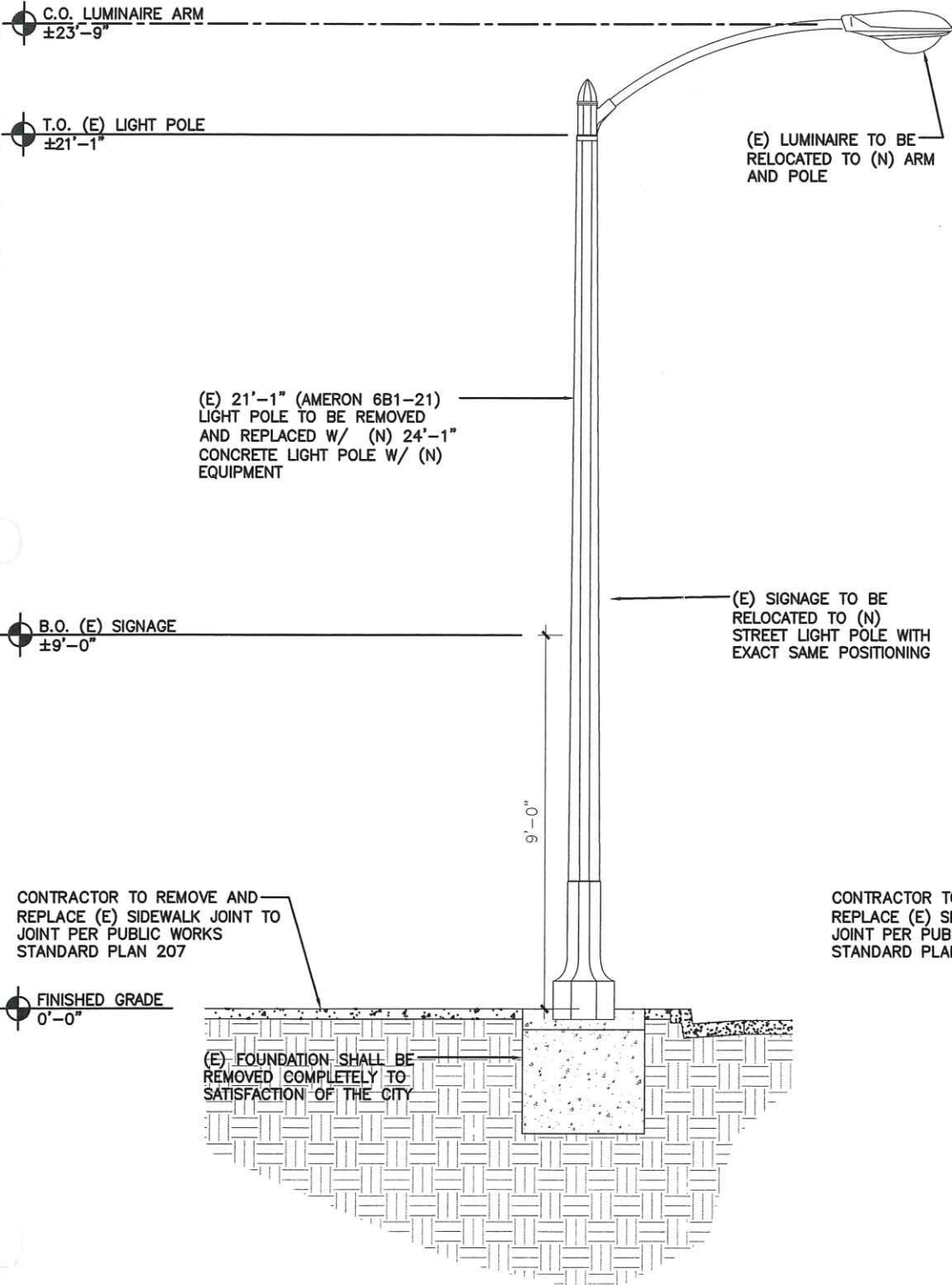
OG90XSS57A
109 13TH STREET
HUNTINGTON BEACH, CA 92648
(N) CONCRETE LIGHT POLE

SHEET TITLE
EXHIBIT PHOTO & SITE PLAN

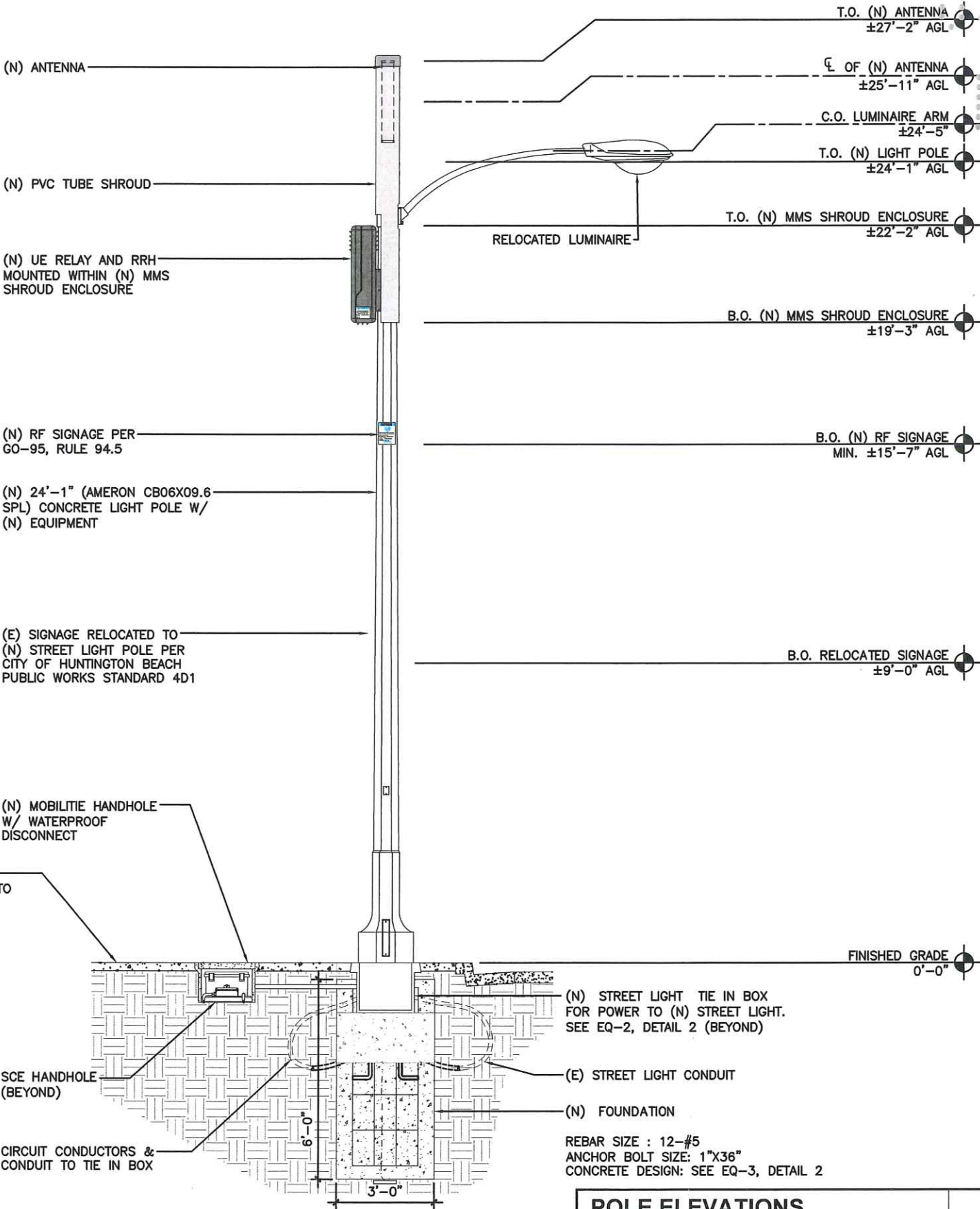
SHEET NUMBER
SP-1

NOTES:

1. ALL HARDWARE SHALL BE STAINLESS STEEL.
2. ALL CABLES SHALL BE SECURED TO POLE EVERY 36" OR LESS.
3. LIGHTNING RODS SHALL BE INCLUDED AS REQUIRED.
4. STRUCTURAL BACKFILL TO BE COMPACTED IN 6" MAXIMUM LAYERS TO 95% OF CONTENT IN ACCORDANCE WITH ASTM D698. ADDITIONALLY, STRUCTURAL BACKFILL MUST HAVE A MINIMUM COMPACTED UNIT WEIGHT OF 100 POUNDS PER CUBIC FOOT (16kN/m3)
5. ADDRESS TO BE INCLUDED ON UTILITY VAULT PLACARD. SEE EQ-3 UTILITY VAULT DETAIL.
6. INSTALL HOUSE SIDE GLARE SHIELD ON RELOCATED LUMINAIRE.



EXISTING SIDE VIEW



NEW SIDE VIEW

POLE ELEVATIONS

SCALE: 1/4" = 1'-0" (1/2" = 1'-0" ON 22"x34" SHEET)

1



PROJECT NO: OG90XSS57A
DRAWN BY: ZZ
CHECKED BY: JF

		CITY COMMENTS
1	02/27/19	
0	01/16/19	CONSTRUCTION DRAWINGS

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OG90XSS57A
109 13TH STREET
HUNTINGTON BEACH, CA 92648
(N) CONCRETE LIGHT POLE

SHEET TITLE
POLE ELEVATIONS

SHEET NUMBER
EV-1

1. ALL ITEMS AND DIMENSIONS SHOULD BE VERIFIED IN THE FIELD.
2. ANY EXISTING SIGNS ON EXISTING STREET LIGHT POLE SHALL BE RELOCATED TO NEW STREET LIGHT POLE
3. EXISTING FOUNDATION SHALL BE REMOVED COMPLETELY TO THE SATISFACTION OF THE CITY OF HUNTINGTON BEACH
4. ALL SALVAGED STREET LIGHT EQUIPMENT SHALL BE DELIVERED TO CITY YARD BY CONTRACTOR
5. ALL HANDHOLES SHALL BE INSTALLED PER CITY OF HUNTINGTON BEACH STANDARDS
6. DEPTH OF ALL CONDUIT IS MINIMUM 30' WITH 1' SEPARATION FROM ALL EXISTING UTILITIES
7. STREET AND SIDEWALK RESTORATION SHALL COMPLY WITH CITY OF HUNTINGTON BEACH PUBLIC WORKS STANDARDS
8. ANY IMPROVEMENTS TO BE RESTORED TO CITY OF HUNTINGTON BEACH PUBLIC WORKS STANDARDS



SCALE: 1/32" = 1'-0" (1/16" = 1'-0" ON 22"x34" SHEET)

SP-2

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0	01/16/19	CONSTRUCTION DRAWINGS

CHECKED BY: JF

DRAWN BY: ZZ

PROJECT NO: OG90XSS57A

XD Industries
1572 N. BATAMIA ST. SUITE 1D
ORANGE, CA 92876

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1. ALL HARDWARE SHALL BE STAINLESS STEEL.
2. ALL CABLES SHALL BE SECURED TO POLE EVERY 36" OR LESS.
3. LIGHTNING RODS SHALL BE INCLUDED AS REQUIRED.

-
- C.O. LUMINAIRE ARM
±23'-9"
- T.O. (E) LIGHT POLE
±21'-1"
- (E) LUMINAIRE TO BE RELOCATED TO (N) ARM AND POLE
- (E) 21'-1" (AMERON 6B1-21) LIGHT POLE TO BE REMOVED AND REPLACED W/ (N) 24'-1" CONCRETE LIGHT POLE W/ (N) EQUIPMENT
- B.O. (E) SIGNAGE
±9'-0"
- (E) SIGNAGE TO BE RELOCATED TO (N) STREET LIGHT POLE WITH EXACT SAME POSITIONING
- CONTRACTOR TO REMOVE AND REPLACE (E) SIDEWALK JOINT TO JOINT PER PUBLIC WORKS STANDARD PLAN 207
- FINISHED GRADE
0'-0"
- (E) FOUR REDUCED COMPLE OF THE

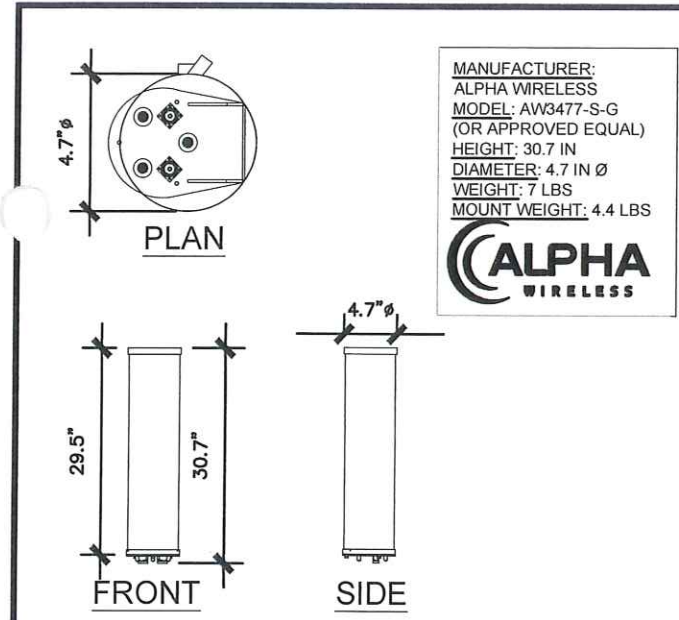
(N) ANTENNA
 RELOCATED LUMINAIRE
 (N) PVC TUBE SHROUD
 (N) UE RELAY AND RRH MOUNTED WITHIN (N) MMS SHROUD ENCLOSURE
 (N) RF SIGNAGE PER GO-95, RULE 94.5
 (N) 24'-1" (AMERON CB06X09.6 SPL) CONCRETE LIGHT POLE W/ (N) EQUIPMENT
 (E) SIGNAGE RELOCATED TO (N) STREET LIGHT POLE PER CITY OF HUNTINGTON BEACH PUBLIC WORKS STANDARD 4D1
 (N) MOBILITE HANDHOLE W/ WATERPROOF DISCONNECT
 (N) SCE HANDHOLE
 CONTRACTOR TO REMOVE AND REPLACE (E) SIDEWALK JOINT TO JOINT PER PUBLIC WORKS STANDARD PLAN 207
 (N) STREET LIGHT TIE IN BOX FOR POWER TO (N) STREET LIGHT. SEE EQ-2, DETAIL 2
 (E) FOUNDATION SHALL BE REDUCED OR REMOVED COMPLETELY TO SATISFACTION OF THE CITY
 CIRCUIT CONDUCTORS & CONDUIT TO TIE IN BOX
 (N) FOUNDATION
 CIRCUIT CONDUCTORS AND CONDUIT TO NEXT POLE
 REBAR SIZE : 12-#5
 ANCHOR BOLT SIZE: 1"X36"
 CONCRETE DESIGN: SEE EQ-3, DETAIL 2

T.O. (N) ANTENNA: $\pm 27'-2"$ AGL
 \bar{L} OF (N) ANTENNA: $\pm 25'-11"$ AGL
 C.O. LUMINAIRE ARM: $\pm 24'-5"$
 T.O. (N) LIGHT POLE: $\pm 24'-1"$ AGL
 T.O. (N) MMS SHROUD ENCLOSURE: $\pm 22'-2"$ AGL
 B.O. (N) MMS SHROUD ENCLOSURE: $\pm 19'-3"$ AGL
 B.O. (N) RF SIGNAGE MIN. $\pm 15'-7"$ AGL
 B.O. (E) SIGNAGE: $\pm 9'-0"$ AGL
 FINISHED GRADE: 0'-0"

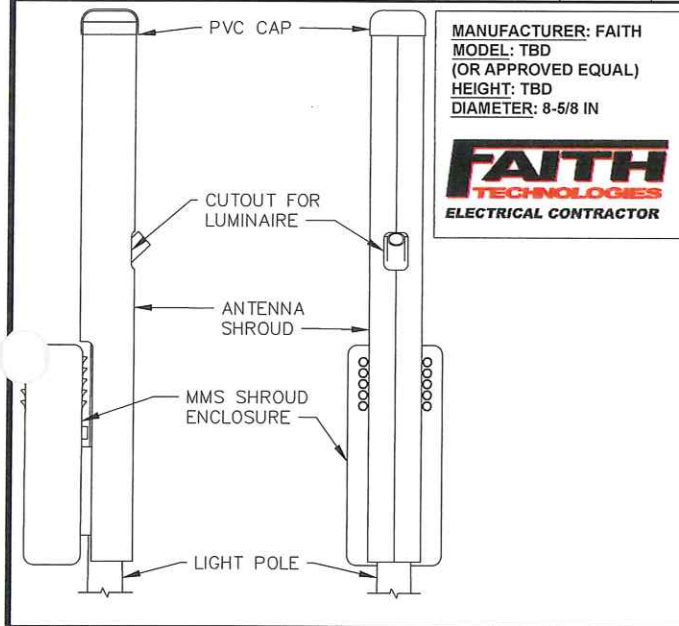
6'-0"
 3'-0"

POLE ELEVATIONS

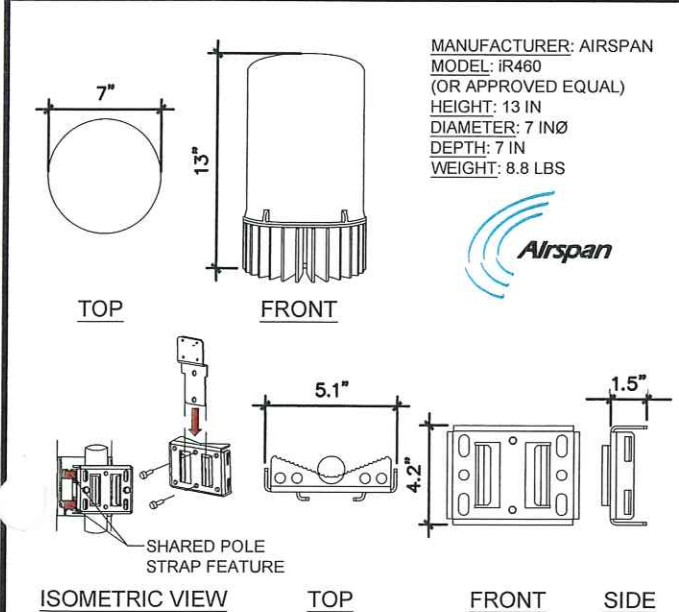
SHEET NUMBER
EV-2



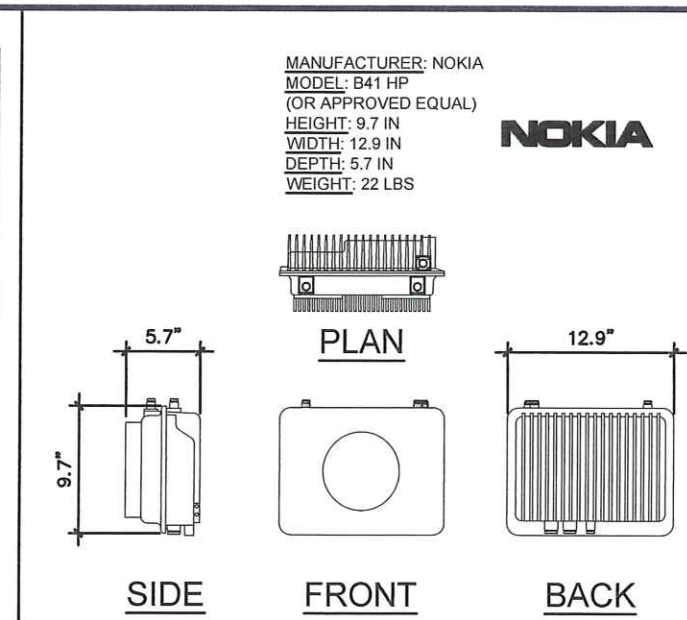
ALPHA AW3477-S-G OMNI (B41) SCALE N.T.S. 1



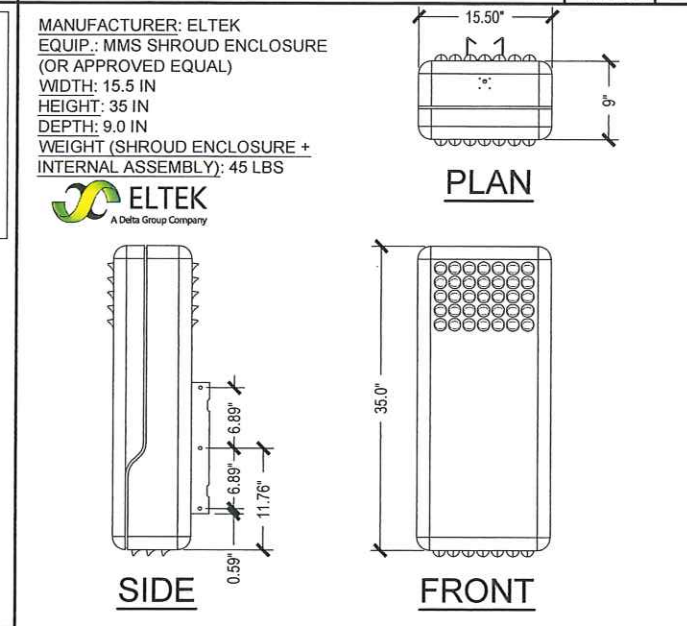
ANTENNA SHROUD SCALE N.T.S. 2



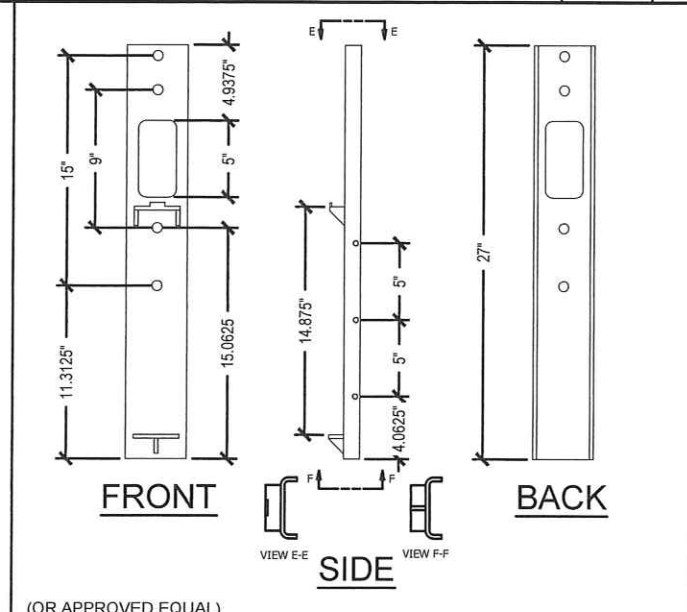
UE RELAY SCALE N.T.S. 3



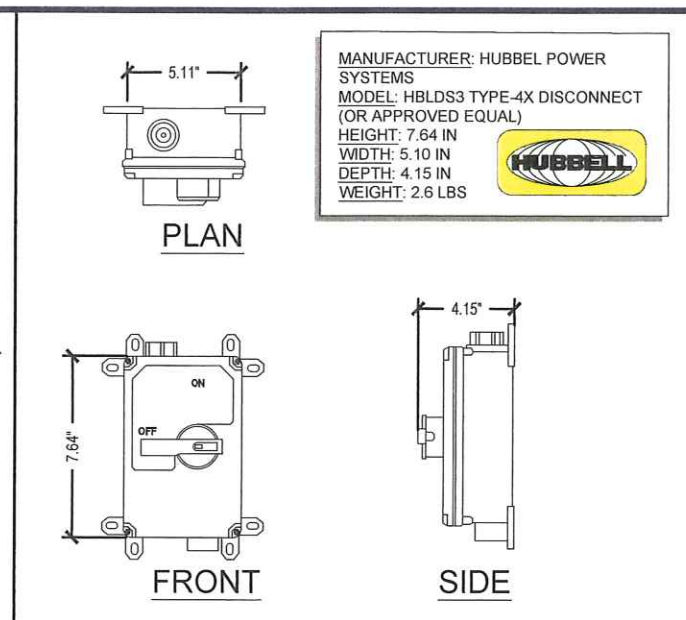
REMOTE RADIO HEAD SCALE N.T.S. 4



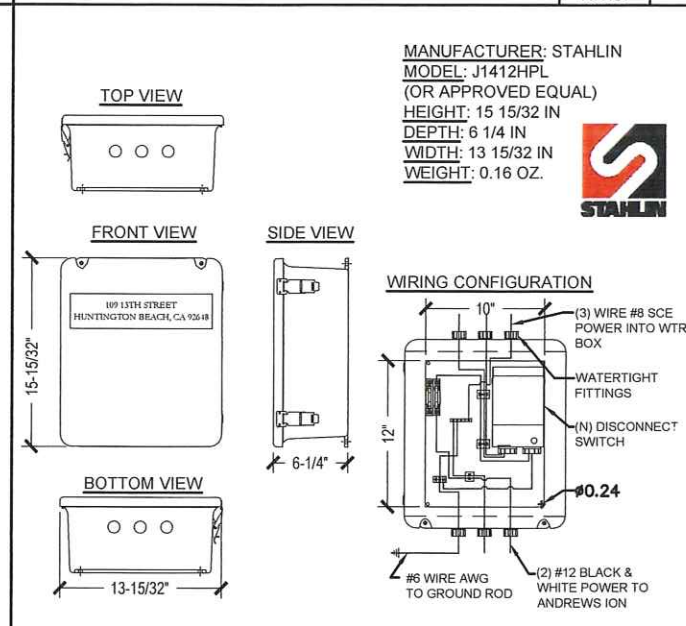
MMS SHROUD ENCLOSURE SCALE N.T.S. 5



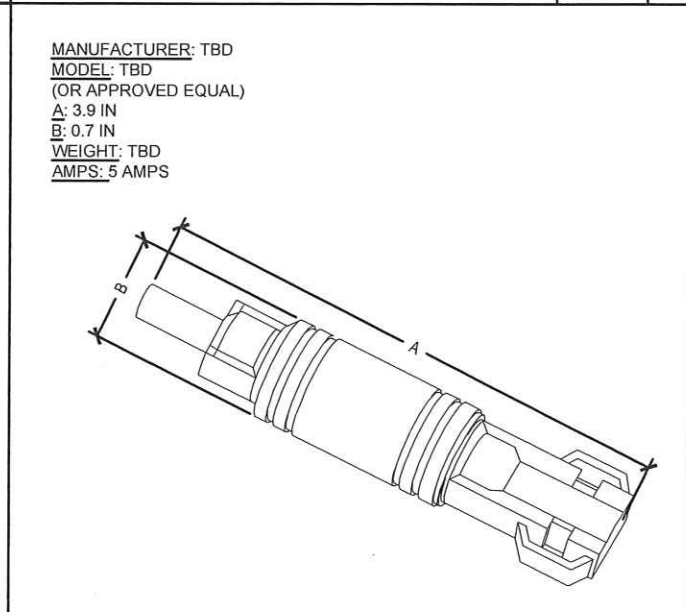
SCE-NYC-BRACKET SCALE N.T.S. 6



NEMA-4X DISCONNECT SWITCH SCALE N.T.S. 7



WTR FUSE BOX SCALE N.T.S. 8



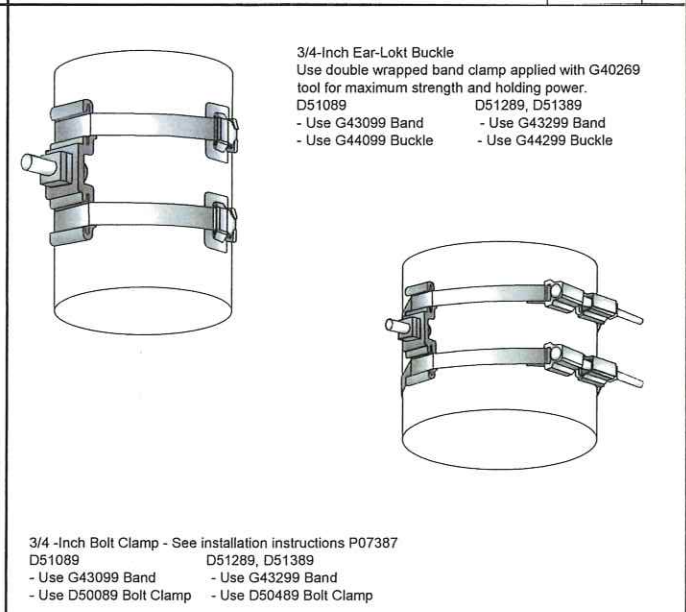
IN-LINE FUSE SCALE N.T.S. 9



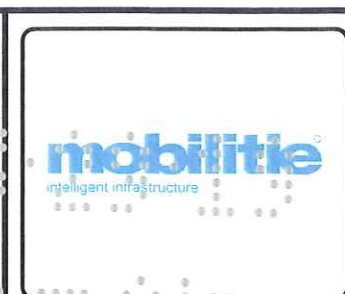
EMERGENCY CONTACT SIGN SCALE N.T.S. 10



NATIONAL STANDARD SCALE N.T.S. 11



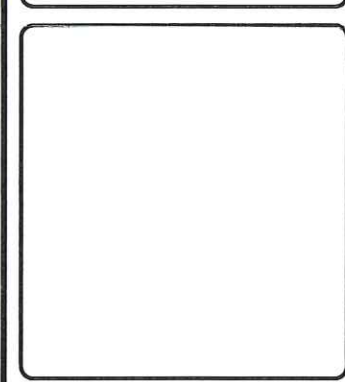
STAINLESS STEEL BANDS SCALE N.T.S. 11



PROJECT NO:	OG90XSS57A
DRAWN BY:	ZZ
CHECKED BY:	JF

1	02/27/19	CITY COMMENTS
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OG90XSS57A
109 13TH STREET
HUNTINGTON BEACH, CA 92648
(N) CONCRETE LIGHT POLE

SHEET TITLE
EQUIPMENT DETAILS

SHEET NUMBER
EQ-1