



22263 68TH AVE S
KENT, WA 98032

MARCH 1, 2021

City of Seattle Department of Neighborhoods

Attn: Genna Nashem

Pioneer Square Preservation District

PO Box 94649, Seattle, WA 98124-4649

Re: AT&T/MASTEC - 15586-023-E

To Genna and the Pioneer Square Preservation Board:

Mastec Network Solution will be providing replaced Co-Location Street light with a SWF, for the above referenced Project under MASTEC - 15586-023-E. This work is in review with Seattle Department of Transportation (SDOT) under Permit #421117 - 515 2ND AVE. This is a key network area for AT&T and they need a site as close to the intersection of Yesler Way & 2nd Ave as possible. There are no other wood poles in the vicinity, so AT&T is requesting to replace this streetlight in order to meet service demand needs. The Site Plans and the PSPB Doc are attached for review and reference.

Our project proposes to: Permit the install of a SWF, and bring to standards the SCL infrastructure, proposed Under SCL Work Order #1915166. From the existing SCL Vault (126-m-1) on the NE corner of Yester way and James Street, Trench and Install (2) 3" conduits East to a Proposed Street Light Distribution Hand Hole (Proposed Hand Hole to replace Existing Hand Hole as per SDOT and SCL Standards, including Pedestrian Mobility) Pull Conductors through existing and Newly Place RGS conduit west. All New RGS will be installed in existing hangers and installed as per SCL Standards. Install new Co-Location Street Light and Foundation, with SWF on newly installed Pole. Pole and Foundation designed By Lets America to Meet or Exceed SDOT and SCL Standards. SCL inspectors will be on site to ensure standards are met.

Mastec Network Solutions will coordinate restoration with



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SDOT Inspectors, to ensure Standards are met. Mastec contractor will restore sidewalk per SDOT standards (SDOT Standard 420. See sheet 22 and 23 of Plan Set for reference). 3/8" through and contraction joints shall be located as required by Section 8-14.3(6). "V" groove scoring and gray dye added to match pattern of adjacent existing sidewalk or shall be a 2' square scoring pattern. The contractor will also work to protect existing American Disabilities Act (ADA) ramps in place (See sheets 24-27 of Plan Set for reference).

Please let us know if anything in addition is required to proceed with the review.

Thank you,

Jay Rodriguez

Project Manager

Mastec Network Solutions

Attachments:

- Drawings Permit #421117
- PSPB Reverence Doc

SIMULATION PHOTOGRAPH

PROPOSED VEIW
FACING SE ON WEST SIDE OF 2ND AVE



PROPOSED VEIW
FACING SE ON WEST SIDE OF 2ND AVE



NOTES:

1. CONTRACTOR TO COORDINATE WITH SDOT YARD FOR STORAGE OF EXISTING BRONZE BASE. TO BE RE-INSTALLED ON NEW POLE.
2. NEW EQUIPMENT TO BE PAINTED SHERWIN-WILLIAMS POWDURA TGIC POWDER COATING, DGS2-40003, RAILROAD GREEN. RF TRANSPARENT AND UV RESISTANT OUTDOOR RATED PAINT.



Know what's below.
Call before you dig.

3				AS-BUILT
2	2/17/21	KW	KAW	REVISION # 3
1	8/28/20	MF	DDS	ORIGINAL
NO.	DATE	ENGINEER	DRAFTER	COMMENT
MasTec Network Solutions MGC TECHNICAL CONSULTING INC.				
CLIENT PROJECT MANAGER: GIN VILANTE				
ENGINEERING FIRM: MGC TECHNICAL CONSULTING INC.				
PROJECT NUMBER: 15586-023-E				
LOCATION: 515 2ND AVE SEATTLE, WA 98104				
DRAWING NAME: MASTEC - 15586-023-E - PSPB.dwg				
CONFIDENTIAL/PROPRIETARY				
SHEET: 1 OF 18				

SIMULATION PHOTOGRAPH

PROPOSED VEIW
FACING NW ON WEST SIDE OF 2ND AVE



PROPOSED VEIW
FACING NW ON WEST SIDE OF 2ND AVE



- NOTES:
1. CONTRACTOR TO COORDINATE WITH SDOT YARD FOR STORAGE OF EXISTING BRONZE BASE. TO BE RE-INSTALLED ON NEW POLE.
 2. NEW EQUIPMENT TO BE PAINTED SHERWIN-WILLIAMS POWDURA TGIC POWDER COATING, DGS2-40003, RAILROAD GREEN. RF TRANSPARENT AND UV RESISTANT OUTDOOR RATED PAINT.



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CONFIDENTIAL/PROPRIETARY				

COVERAGE MAP

NOTES:
1. SDOT CITY LIGHT POLE #1313162. PROPOSED ARE OF COVERAGE HIGHLIGHTED IN GREEN.



3				AS-BUILT
2	2/17/21	KW	KAW	REVISION # 3
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CONFIDENTIAL/PROPRIETARY				SHEET: 3 OF 18

SITE PHOTO 1: FACING NE IN THE MIDDLE OF YESLER WAY

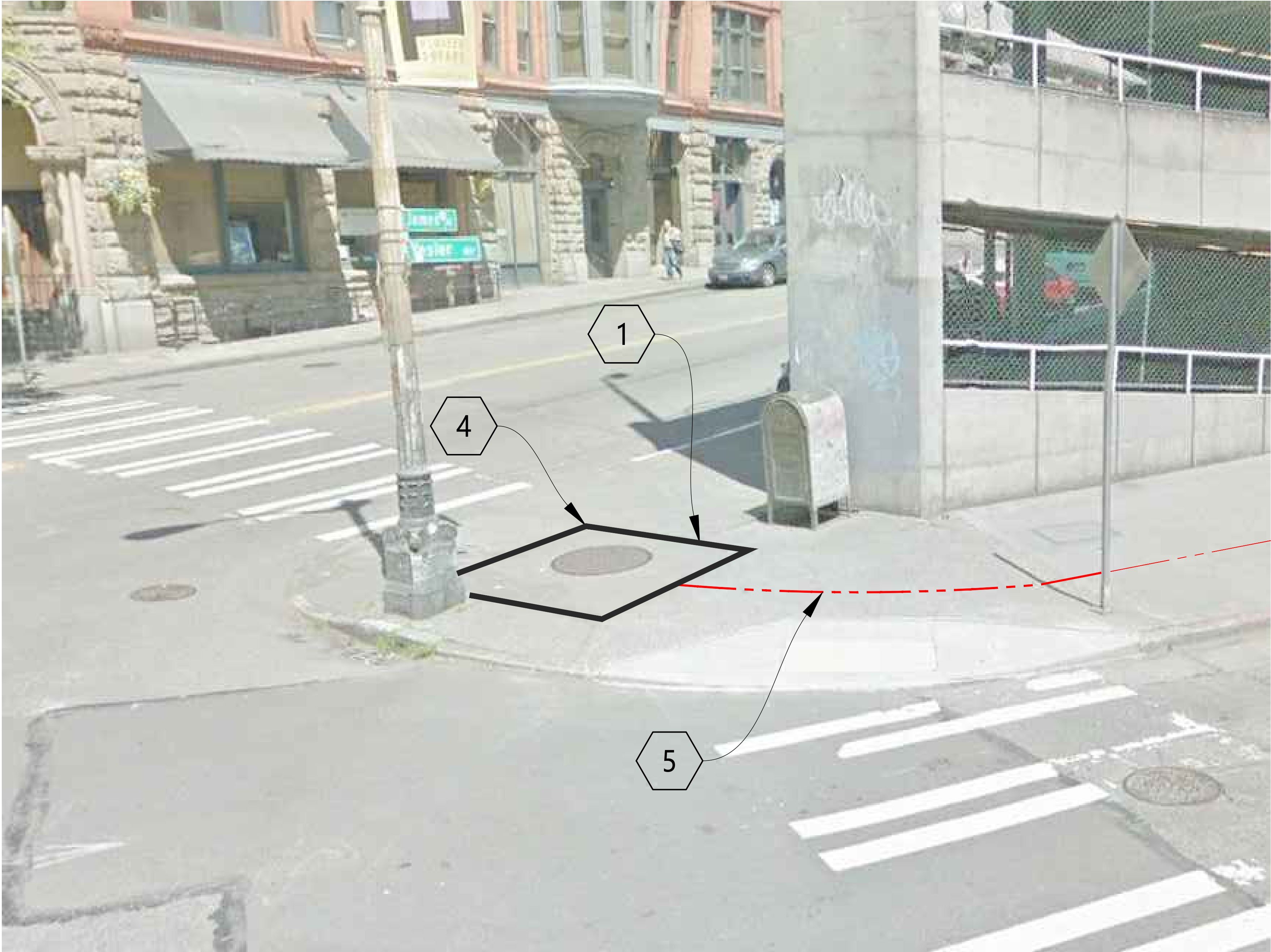
CONSTRUCTION NOTES

- 1

COORDINATE WITH STREETLIGHT CREW FOR SERVICE DISCONNECTION FROM MH 126-M-1 TO ASSET#1313162 .
- 4

EXISTING SCL VAULT 126-M-1, CONTRACTOR TO CORE VAULT AND INSTALL CONDUIT PER SCL CONSTRUCTION STANDARD 7020.05.
- 5

CONTRACTOR TO TRENCH AND REMOVE EXISTING CONDUIT. INSTALL (2) 3" RGS CONDUIT FROM MH 126-M-1 TO 126-H-2. INSTALL PER SCL CONSTRUCTION STANDARD 0095.60 AND 1716.07.



SEE SHEET 4 OF SCHEMATIC VIEW.

3				AS-BUILT
2	2/17/21	KW	KAW	REVISION # 3
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NO.	DATE	ENGINEER	DRAFTER	COMMENT

MasTec

Network Solutions

MGC

TECHNICAL CONSULTING INC.

CLIENT PROJECT MANAGER: GIN VILANTE

ENGINEERING FIRM: MGC TECHNICAL CONSULTING INC.

PROJECT NUMBER: 15586-023-E

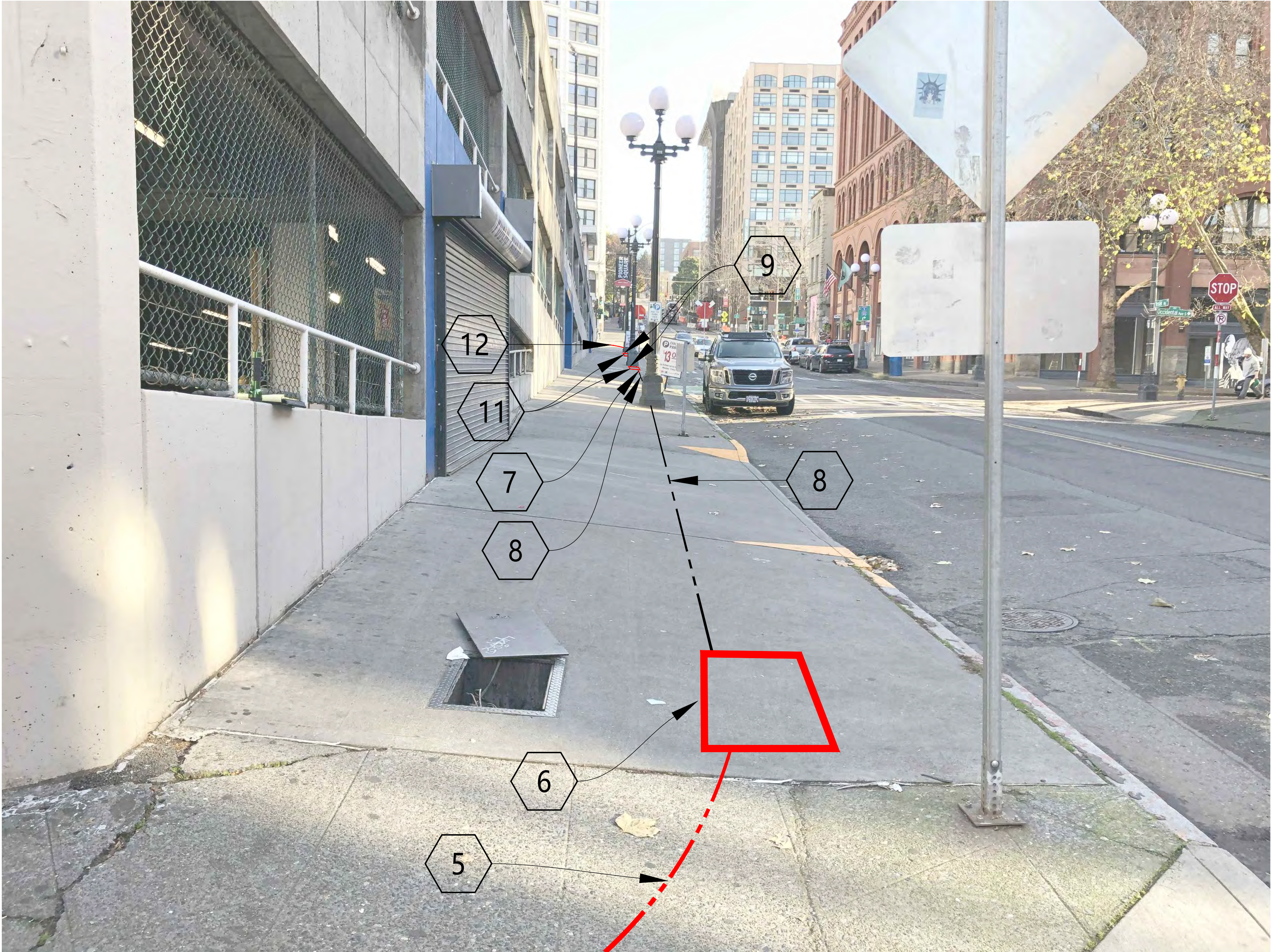
LOCATION: 515 2ND AVE
SEATTLE, WA 98104

DRAWING NAME: MASTEC - 15586-023-E - PSPB.dwg

CONFIDENTIAL/PROPRIETARY

SHEET: 4 OF 18

SITE PHOTO 2: FACING EAST ON NORTH SIDE OF YESSLER WAY



CONSTRUCTION NOTES

- 5 CONTRACTOR TO TRENCH AND REMOVE EXISTING CONDUIT. INSTALL (2) 3" RGS CONDUIT FROM MH 126-M-1 TO 126-H-2. INSTALL PER SCL CONSTRUCTION STANDARD 0095.60 AND 1716.07.
- 6 CONTRACTOR TO REPLACE HH 126-H-2 WITH (1) NEW TYPE-5 SL HH PER COS STD PLAN 550A AND SCL CONSTRUCTION STANDARD 1716.07.
- 7 CONTRACTOR TO INSTALL (1) 3-1/2" RGS CONDUIT FROM EXISTING 3-1/2" RGS TO J-BOX-2. INSTALL PER SCL CONSTRUCTION STANDARDS 0095.60 AND 1716.07.
- 8 PULL THROUGH EXISTING (1) 3-1/2" RGS CONDUIT. FROM NEWLY INSTALLED TYP5 5 HH TO NEWLY INSTALLED 3-1/2" RGS.
- 9 CONTRACTOR TO RE-ROUTE EXISTING CONDUIT FROM POLE BASE TO NEWLY-INSTALLED HH.
- 11 CONTRACTOR TO INSTALL (1) NEW NEMA 4X STAINLESS STEEL J-BOX SIMILAR IN SIZE TO TYPE-2 HH. INTERCEPT EXISTING CONDUIT. MOUNTING OF J-BOX TO BE APPROVED BY STRUCTURAL ENGINEER AND SDOT IN AREA WAY.
- 12 CONTRACTOR TO INSTALL (2) 2" RGS CONDUIT FROM J-BOX-3 TO J-BOX-4. INSTALL PER SCL CONSTRUCTION STANDARD 0095.60 AND 1716.07.

SEE SHEET 4 OF SCHEMATIC VIEW.

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NO.	DATE	ENGINEER	DRAFTER	COMMENT



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ENGINEERING FIRM: MGC TECHNICAL CONSULTING INC.
PROJECT NUMBER: 15586-023-E
LOCATION: 515 2ND AVE
SEATTLE, WA 98104
DRAWING NAME: MASTEC - 15586-023-E - PSPB.dwg

SITE PHOTO 3: FACING WEST IN AREAWAY

CONSTRUCTION NOTES

- 7
- CONTRACTOR TO INSTALL (1) 3-1/2" RGS CONDUIT FROM EXISTING 3-1/2" RGS TO J-BOX-2. INSTALL PER SCL CONSTRUCTION STANDARDS 0095.60 AND 1716.07.
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SITE PHOTO 4: FACING EAST IN AREAWAY



SEE SHEET 4 OF SCHEMATIC VIEW.

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CONFIDENTIAL/PROPRIETARY				
SHEET: 7 OF 18				

SITE PHOTO 5: FACING WEST IN AREAWAY



SEE SHEET 4 OF SCHEMATIC VIEW.

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CONFIDENTIAL/PROPRIETARY				SHEET: 8 OF 18

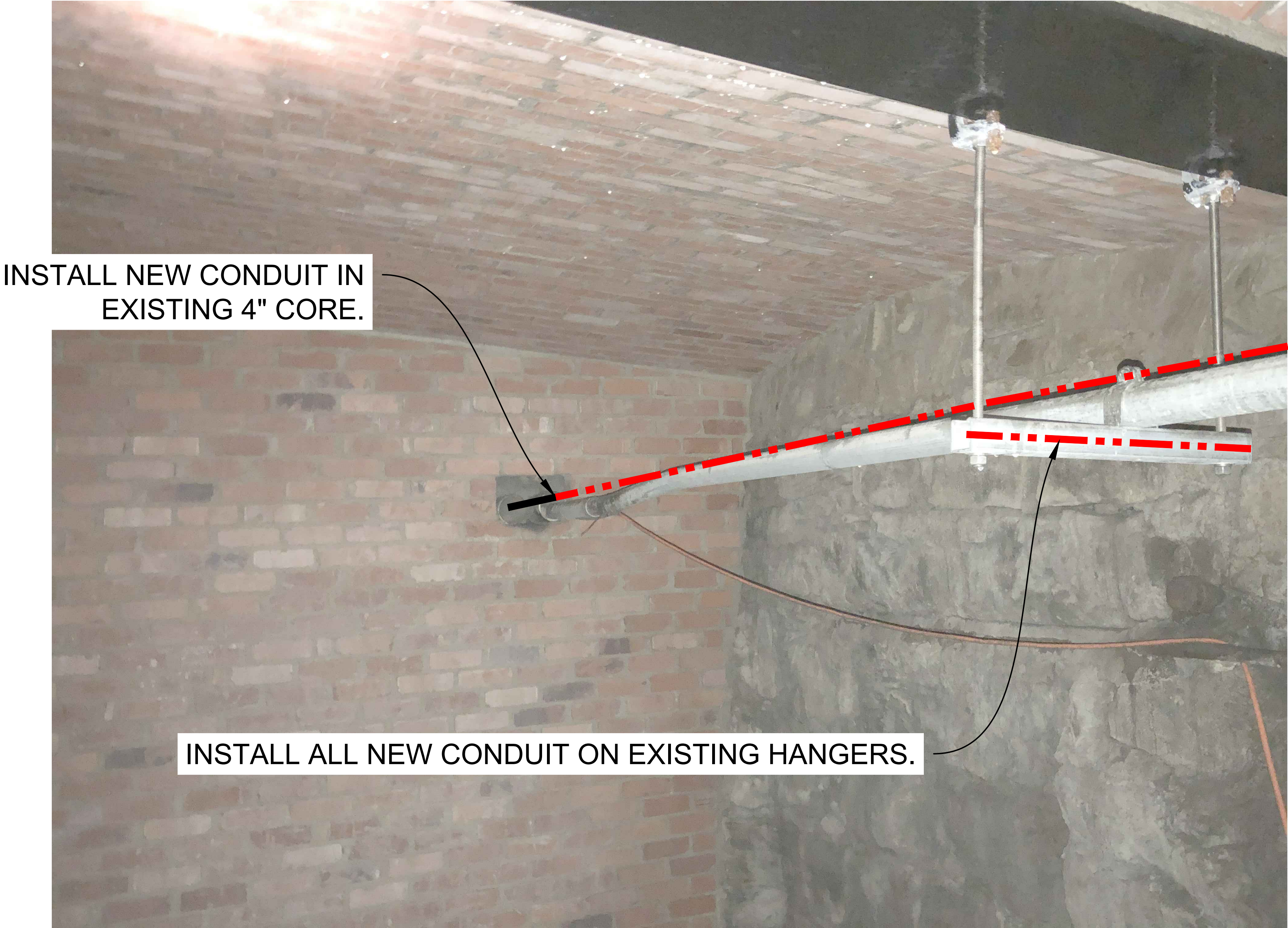
SITE PHOTO 6: FACING EAST IN AREAWAY



SEE SHEET 5 OF SCHEMATIC VIEW.

3				AS-BUILT
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DRAWING NAME: MASTEC - 15586-023-E - PSPB.dwg				
CONFIDENTIAL/PROPRIETARY				
SHEET: 9 OF 18				

SITE PHOTO 7: FACING EAST IN AREAWAY



SEE SHEET 5 OF SCHEMATIC VIEW.

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CONFIDENTIAL/PROPRIETARY				
SHEET: 10 OF 18				

SITE PHOTO 8: FACING WEST IN AREAWAY



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CONFIDENTIAL/PROPRIETARY				

SITE PHOTO 9: FACING EAST IN AREAWAY



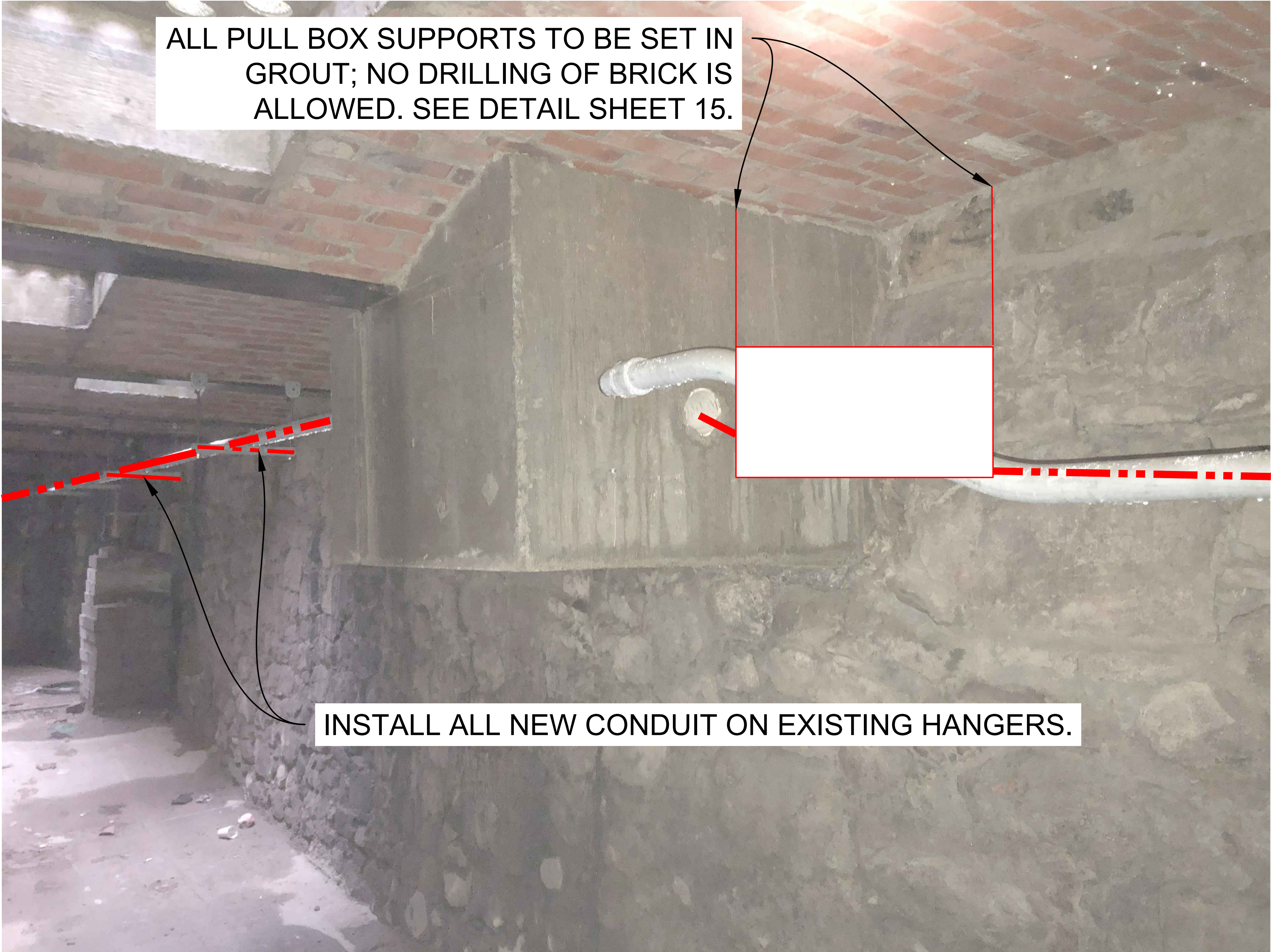
SEE SHEET 5 OF SCHEMATIC VIEW.

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LOCATION: 515 2ND AVE
SEATTLE, WA 98104
DRAWING NAME: MASTEC - 15586-023-E - PSPB.dwg

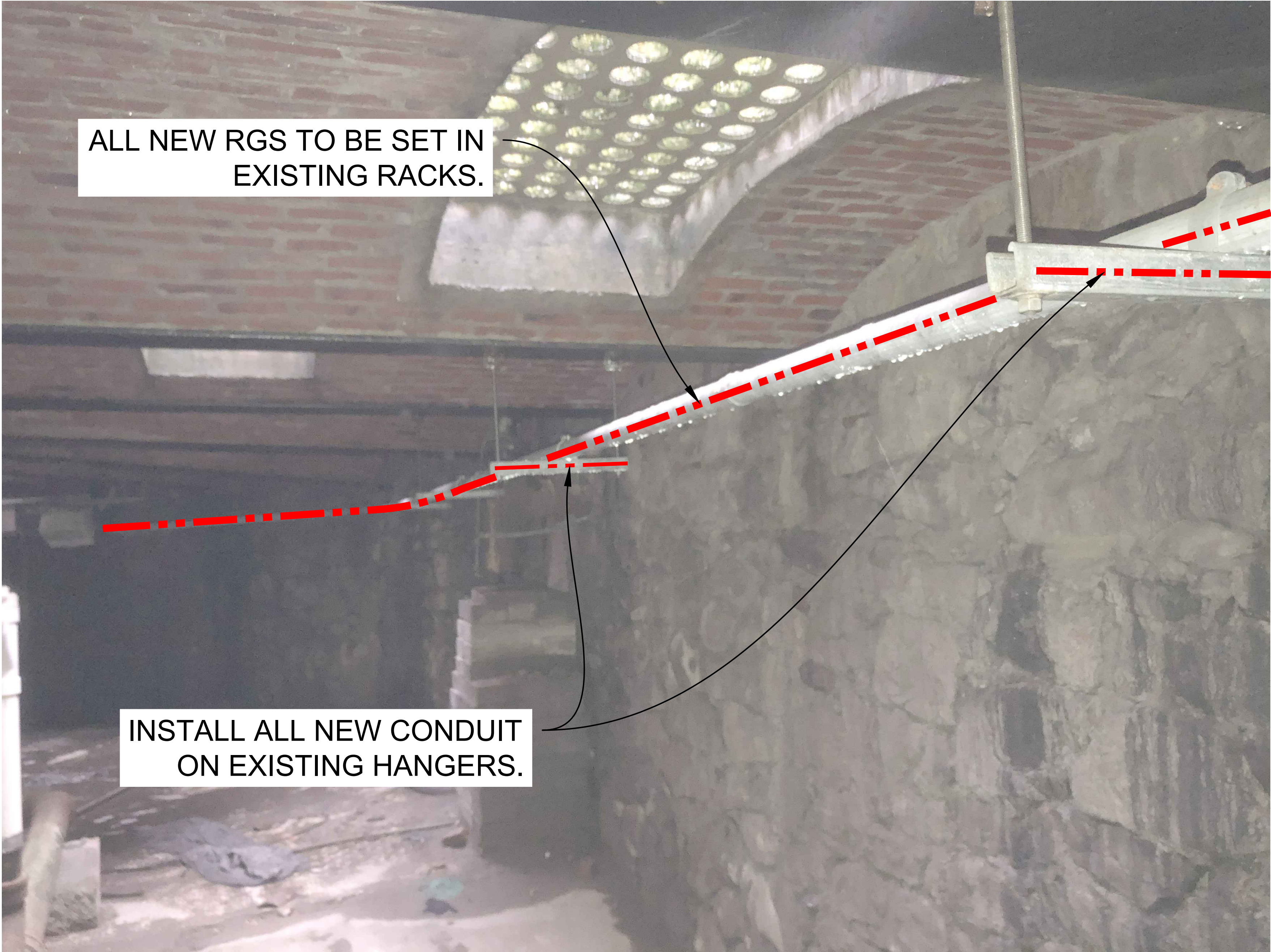
SITE PHOTO 10: FACING EAST IN AREAWAY



SEE SHEET 5 OF SCHEMATIC VIEW.

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LOCATION: 515 2ND AVE SEATTLE, WA 98104				
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SITE PHOTO 11: FACING EAST IN AREAWAY



SEE SHEET 5 OF SCHEMATIC VIEW.

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LOCATION: 515 2ND AVE SEATTLE, WA 98104				
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CONFIDENTIAL/PROPRIETARY				

SITE PHOTO 12: FACING EAST IN AREAWAY



SEE SHEET 5 OF SCHEMATIC VIEW.

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DRAWING NAME: MASTEC - 15586-023-E - PSPB.dwg				
CONFIDENTIAL/PROPRIETARY				
SHEET: 15 OF 18				

PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF REMOVING AND REPLACING AN EXISTING DECORATIVE STREET LIGHT ON THE NW CORNER OF 2ND AVE AND YESLER WAY. INSTALL EQUIPMENT AS SHOWN IN THE PLAN. ACCESS EXISTING SCL VAULT AND ZAYO VAULT TO TRENCH NEW CONDUIT TO STREET LIGHT AS PER PLANS AND SUPPLY POWER AND COMM TO NEW DECORATIVE STREET LIGHT CELL SITE.

PROJECT INFORMATION

SITE ADDRESS	515 2ND AVE SEATTLE, WA 98104	ZONING:	PSM 100/100-120
LATITUDE:	47.6018810° N	PROPOSED USE:	UNMANNED TELECOMMUNICATIONS FACILITY
LONGITUDE:	-122.3323010° W	OCCUPANCY:	U
JURISDICTION:	CITY OF SEATTLE	POLE OWNER:	SCL
TYPE OF CONSTRUCTION:	IBB	POWER COMPANY:	SCL
LOCATION:	CITY OF SEATTLE (ROW)	TELCO COMPANY:	ZAYO

DRAWING INDEX		REV
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15	UNDERGROUND DETAILS	0
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19	RF WARNING SIGN DETAILS	0
20-21	DESIGN VIEW	0
22-23	RESTORATION VIEW	0
24-27	ADA RAMP DETAIL 1-4	0

LEGAL DESCRIPTION

CITY OF SEATTLE RIGHT-OF-WAY, ALL WORK BEING PERFORMED TO CONFORM TO SDOT AND SCL STANDARDS AND CODES.

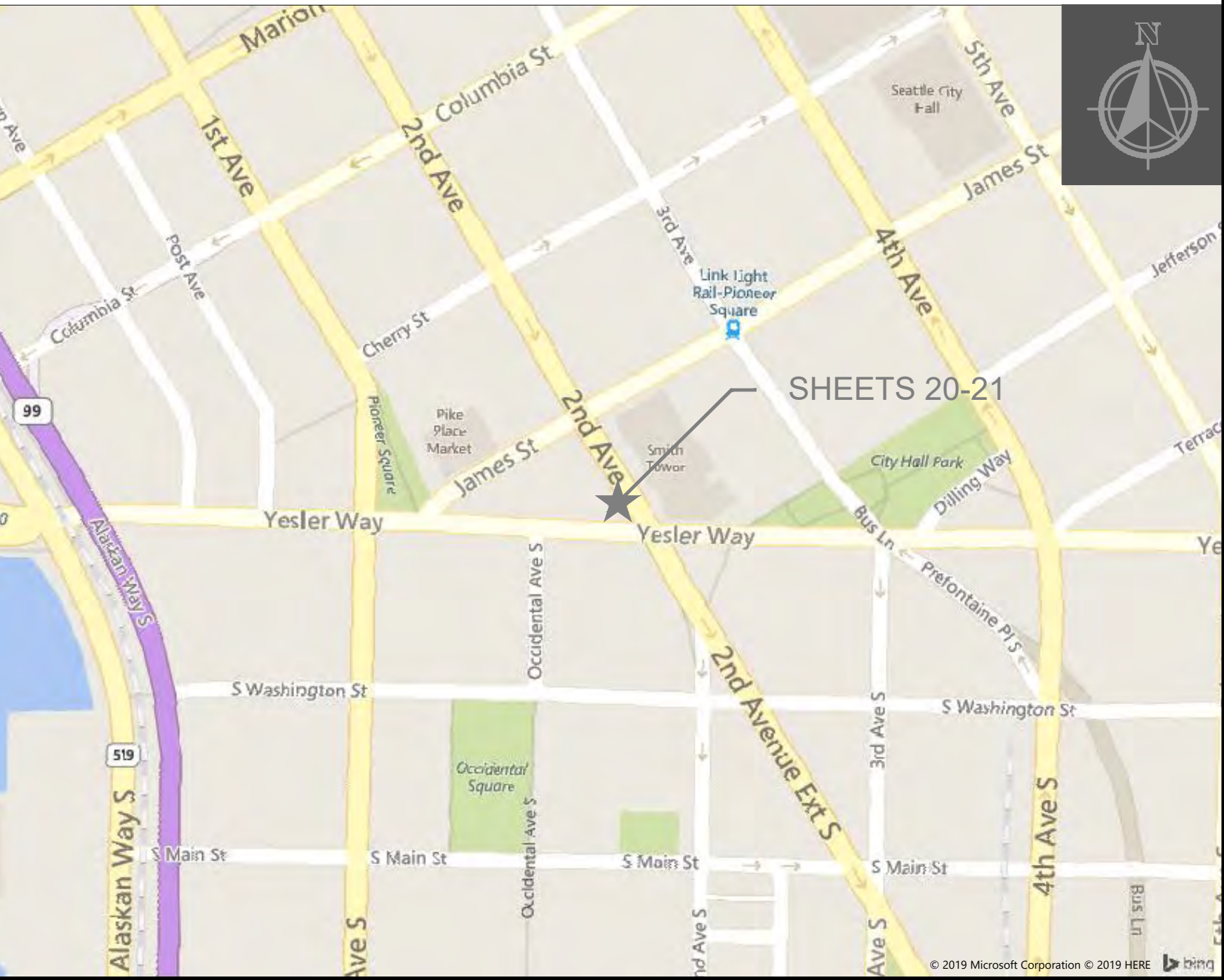
SITE PROJECT PARTICIPANTS			
A/E	NAME	COMPANY	NUMBER
PM	MATT FRASER	MGC TECHNICAL CONSULTING	206-618-5254
CM	DANIEL KELLY	MASTEC NETWORK SOLUTIONS	253-579-3503
PM	STEVEN EVENSON	MASTEC NETWORK SOLUTIONS	206-499-1359
PM	JUDY FISCHER	AT&T	925-474-7626



VICINITY MAP

FROM ATT REDMOND OFFICES(16331 NE 72nd Way, Redmond, WA 98052)

Get on WA-520 W from Bear Creek Pkwy and NE Leary Way, Head east on NE 72nd Way toward 164th Ave NE, Turn right onto 164th Ave NE, Turn right onto Bear Creek Pkwy, Use the left 2 lanes to turn left onto NE Leary Way, Use the middle 2 lanes to take the ramp onto WA-520 W, Continue on WA-520 W to Seattle, Take exit 165A from I-5 S, Merge onto WA-520 W, Toll road, Use any lane to merge onto I-5 S toward Portland, Parts of this road may be closed at certain times or days, Use the right lane to take exit 165A toward James Street, Continue on 6th Ave to your destination, Use the right lane to merge onto 6th Ave, Turn right onto James St, Continue straight to stay on James St, Turn left onto 2nd Ave, Turn right



SCALING DRAWINGS

SUBCONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS & CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR THE SAME.

IF USING 11"x17" PLOT, DRAWINGS WILL BE AT HALF SCALE.

DIG INFORMATION



Know what's below.
Call before you dig.

UULC:
UTILITIES UNDERGROUND LOCATION CENTER
1-800-424-5555 OR 811
WWW.CALLBEFOREYODIG.ORG/WASHINGTON
3 WORKING DAYS UTILITY NOTIFICATION PRIOR TO CONSTRUCTION

AT&T SITE ID:	DTSEA-023-E
PAGE #:	MRWOR023152
SCIP ID #:	15586-023-E
USID #:	179088
FA #:	14804831
POLE TYPE:	DECORATIVE ALADDIN POLE
POLE #:	1313162
NEAREST ADDRESS:	515 2ND AVE SEATTLE, WA 98104
NEAREST PARCEL#:	0939000005
CONVO #:	931477

CONSTRUCTION DRAWINGS

BUILDING CODES AND STANDARDS

SUBCONTRACTOR'S WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ) FOR THE LOCATION. THE EDITION OF THE AHJ ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.

BUILDING CODE:
[INTERNATIONAL BUILDING CODE (IBC), 2018 AS ADOPTED BY THE LOCAL JURISDICTION]

ELECTRICAL CODE:
[NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70 - 2015, NATIONAL ELECTRICAL CODE, AS ADOPTED BY THE LOCAL JURISDICTION]

LIGHTNING PROTECTION CODE:
[NFPA 780 - 2002, LIGHTNING PROTECTION CODE]

SUBCONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS.
AMERICAN CONCRETE INSTITUTE (ACI) 318, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), MANUAL OF STEEL CONSTRUCTION, ASD, THIRTEENTH EDITION
ANSI/TIA 222-G, STRUCTURAL STANDARDS FOR ANTENNA SUPPORTING STRUCTURES AND ANTENNAS.

TIA 607, COMMERCIAL BUILDING GROUNDING AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS

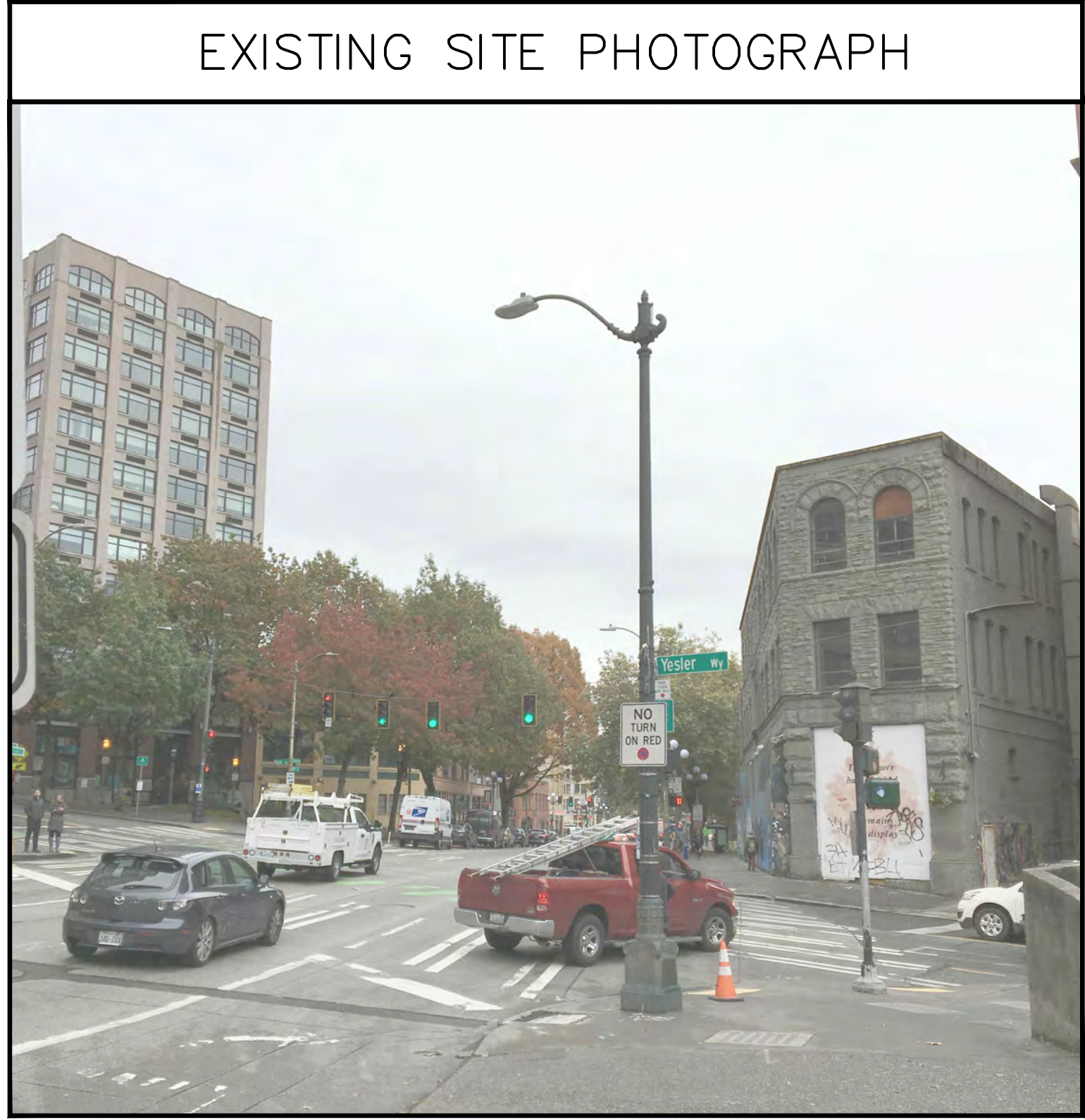
INSTITUTE FOR ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE) 81, GUIDE FOR MEASURING EARTH RESISTIVITY, GROUND IMPEDANCE, AND EARTH SURFACE POTENTIALS OF A GROUND SYSTEM
IEEE 1100 (1999) RECOMMENDED PRACTICE FOR POWERING AND GROUNDING OF ELECTRONIC EQUIPMENT

IEEE C2 NATIONAL ELECTRIC SAFETY CODE, LATEST VERSION

TELCORDIA GR-1275, GENERAL INSTALLATION REQUIREMENTS



ANSI T1.311, FOR TELECOM - DC POWER SYSTEMS - TELECOM, ENVIRONMENTAL PROTECTION

FOR ANY CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND STANDARDS REGARDING MATERIAL, METHODS OF CONSTRUCTION, OR OTHER REQUIREMENTS, THE MOST RESTRICTIVE REQUIREMENT SHALL GOVERN. WHERE THERE IS CONFLICT BETWEEN A GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.



PROJECT ENGINEER STAMP

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DRAWING NAME: MASTEC - 15586-023-E - PLANS.dwg

CONFIDENTIAL/PROPRIETARY

SHEET: 1 OF 27

LEGEND

LINETYPES

	AERIAL FIBER – EXISTING
	AERIAL FIBER – ATTACH
	AERIAL FIBER – OVERLASH
	STRAND – EXISTING
	STRAND – PROPOSED
	CONDUIT – EXISTING
	CONDUIT – PROPOSED
	INNERDUCT – EXISTING
	INNERDUCT – PROPOSED
	GAS
	WATER
	TELEPHONE
	FIBER OPTIC
	ELECTRIC
	SANITARY SEWER (SEW)
	STORM DRAIN
	CABLE TV
	STEAM
	OIL
	UNKNOWN UTILITY
	FENCE
	RIGHT OF WAY
	EDGE OF PAVEMENT

ABBREVIATIONS

ASW	ASPHALT SIDEWALK
BIP	BLACK IRON PIPE
BSP	BLACK STEEL PIPE
CSW	CONCRETE SIDEWALK
ELECT.	ELECTRIC
EOP	EDGE OF PAVEMENT
EOTW	EDGE OF TRAVEL WAY
FOC	FACE OF CURB
F/O	FIBER OPTIC
HDPE	HIGH DENSITY POLYETHYLENE
HH	HANDHOLE
JB	JUNCTION BOX
MH	MANHOLE
MP	MILE POST
O/S	OFFSET
PR	POWER RISER
PVC	POLY VINYL CHLORIDE
RGS	RIGID GALVANIZED STEEL CONDUIT
ROW	RIGHT OF WAY
SEW	SANITARY SEWER
SD	STORM DRAIN
STA.	STATION
STM	STEAM
TEL	TELECOM

SYMBOLS

	RISER – EXISTING		TRANSMISSION/DISTRIBUTION POLE
	RISER – PROPOSED		TRANSMISSION POLE
	CATCH BASIN/INLET (RECTANGULAR)		DISTRIBUTION POLE
	CATCH BASIN/INLET (ROUND)		GROUND/BOND
	FIRE HYDRANT		AERIAL STORAGE – EXISTING
	WATER/GAS VALVE		AERIAL STORAGE – PROPOSED
	LIGHT POST		VAULT/BUILDING STORAGE – EXISTING
	STREET LIGHT		VAULT/BUILDING STORAGE – PROPOSED
	TRAFFIC LIGHT ARM		POLE ANCHOR/DOWN GUY – EXISTING
	TREE		POLE ANCHOR/DOWN GUY – PROPOSED
	CULVERT		DOWN GUY TO EXISTING ANCHOR – PROPOSED
	WING WALL		SPLICE POINT – EXISTING
	BRIDGE		SPLICE POINT – PROPOSED
	STREET SIGN		TERMINATION – EXISTING
	ADA RAMP		TERMINATION – PROPOSED
	UTILITY POLE – EXISTING		PULLBOX – EXISTING
	UTILITY POLE – PROPOSED		PULLBOX – PROPOSED
	TRAFFIC RATED VAULT – EXISTING (SIZE AND UTILITY TYPE MAY VARY)		CONSTRUCTION NOTE / RESTORATION CALLOUT
	TRAFFIC RATED VAULT – PROPOSED (SIZE MAY VARY)		PHOTO-MARKER
	HANDHOLE – EXISTING (SIZE AND UTILITY TYPE MAY VARY)		NORTH ARROW
	HANDHOLE – PROPOSED (SIZE MAY VARY)		
	PEDESTAL – EXISTING (SIZE AND UTILITY TYPE MAY VARY)		
	PEDESTAL – PROPOSED (SIZE MAY VARY)		
	WET UTILITY MANHOLE – EXISTING (SIZE AND UTILITY TYPE MAY VARY)		
	BORE PIT – PROPOSED (SIZE MAY VARY)		
	UTILITY POTHOLE		

INFORMATION TABLES

POLE NUMBER	#	UTILITY POLE INFORMATION TABLE (NUMBER OF ATTACHMENTS MAY VARY)
EXISTING UTILITY	0'-0"	
PROPOSED ATTACH	0'-0"	

#F	IN:	SEQUENTIAL IN/OUT CALLOUT
	OUT:	
#F	IN:	SEQUENTIAL IN/TAILOUT CALLOUT
	TAILOUT:	
#F	TAIL:	SEQUENTIAL TAIL/OUT CALLOUT
	OUT:	

HATCH PATTERNS

	CONCRETE SIDEWALK
	GRASS/VEGETATION
	GRAVEL
	WATER

PROJECT ENGINEER STAMP

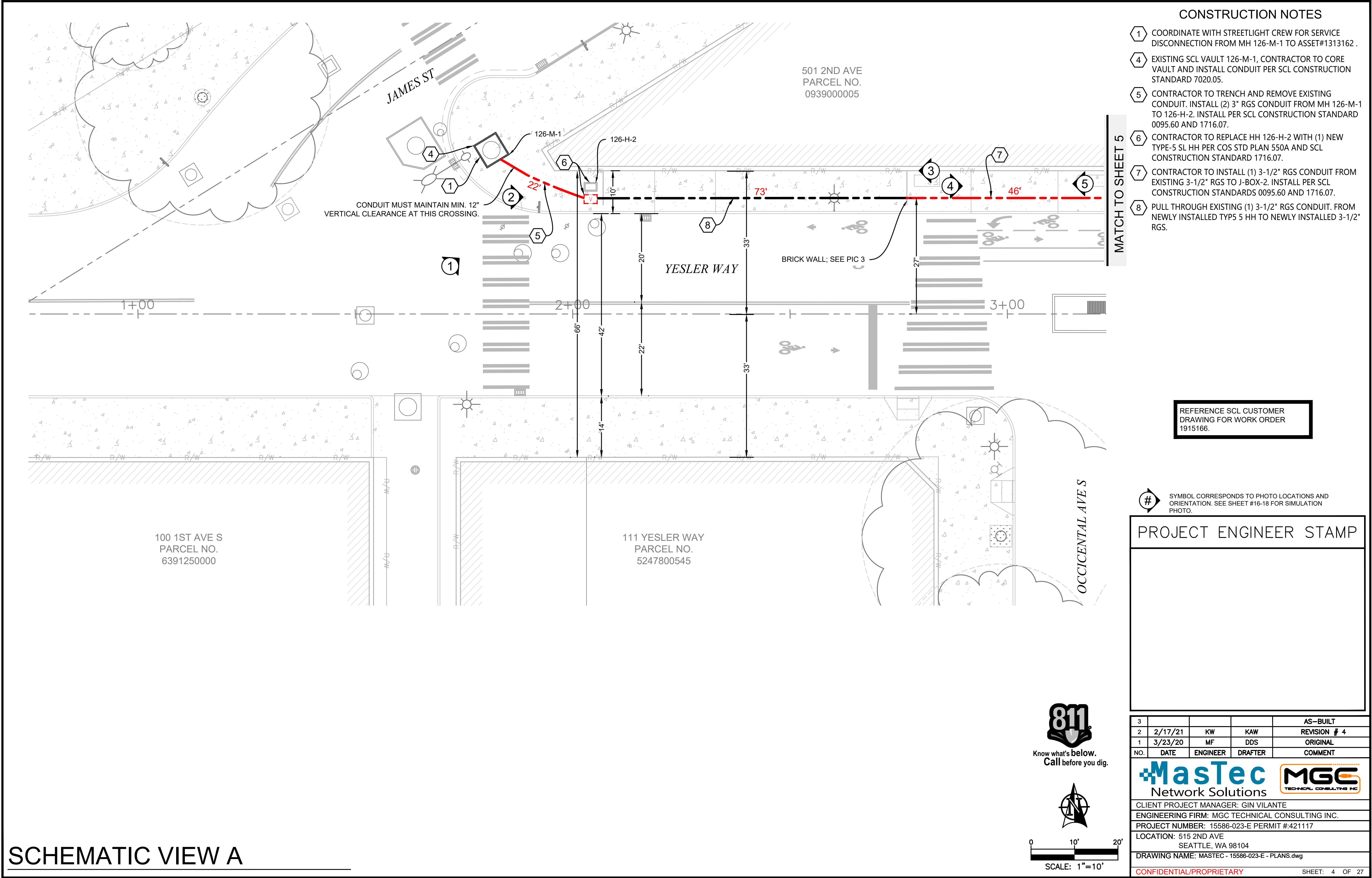
3				AS-BUILT
2	2/17/21	KW	KAW	REVISION # 4
1	3/23/20	MF	DDS	ORIGINAL
NO.	DATE	ENGINEER	DRAFTER	COMMENT

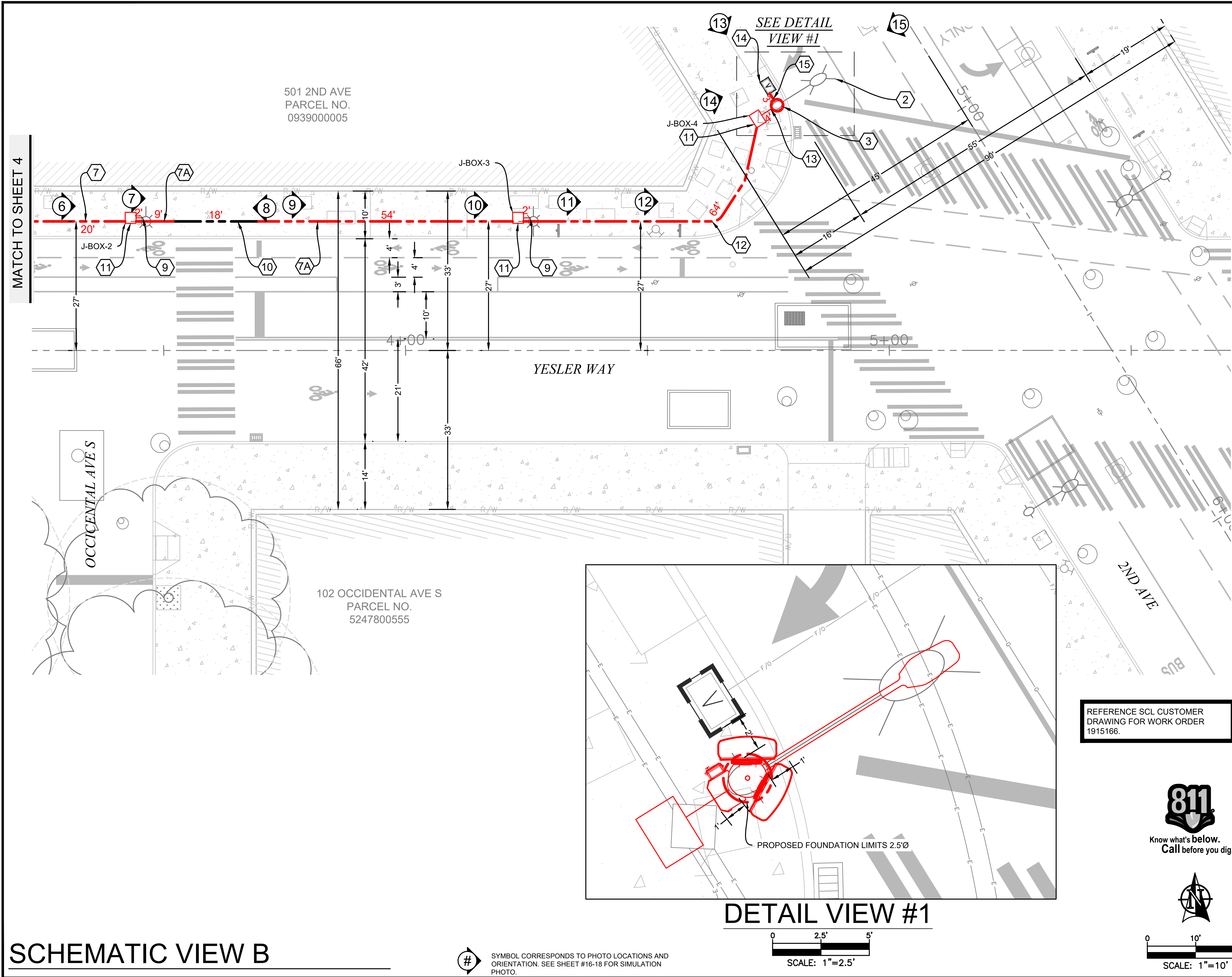


CLIENT PROJECT MANAGER: GIN VILANTE
ENGINEERING FIRM: MGC TECHNICAL CONSULTING INC.
PROJECT NUMBER: 15586-023-E PERMIT #:421117
LOCATION: 515 2ND AVE
SEATTLE, WA 98104
DRAWING NAME: MASTEC - 15586-023-E - PLANS.dwg

CONFIDENTIAL/PROPRIETARY SHEET: 2 OF 27







CONSTRUCTION NOTES

- 2 COORDINATE WITH SCL-STREETLIGHT CREW. REMOVE EXISTING STREET LIGHT AND REPLACE WITH NEW SCL AND SDOT APPROVED DECORATIVE CHIEF SEATTLE STYLE STREET LIGHT. (CONTRACTOR TO COORDINATE WITH SDOT YARD FOR STORAGE AND REINSTALL EXISTING CHIEF SEATTLE BRONZE BASE).FOR POLE DELIVERY, SEE GENERAL NOTES FOR DETAILS. COORDINATE WITH SDOT AND KING COUNTY METRO FOR SIGNAGE REMOVAL AND REPLACEMENT ON NEW POLE.
- 3 REMOVE EXISTING CHIEF SEATTLE BASE FOUNDATION AND INSTALL, SAME LOCATION (1) SCI AND SDOT APPROVED NEW CHIEF SEATTLE BASE FOUNDATION PER SCL CONSTRUCTION STANDARD 1716.38.
- 7 CONTRACTOR TO INSTALL (1) 3-1/2" RGS CONDUIT FROM EXISTING 3-1/2" RGS TO J-BOX-2. INSTALL PER SCL CONSTRUCTION STANDARDS 0095.60 AND 1716.07.
- 7A CONTRACTOR TO INSTALL (1) 2" RGS CONDUIT FROM J-BOX-2 TO J-BOX-3. INSTALL PER SCL CONSTRUCTION STANDARDS 0095.60 AND 1716.07.
- 9 CONTRACTOR TO RE-ROUTE EXISTING CONDUIT FROM POLE BASE TO NEWLY-INSTALLED HH.
- 10 CONTRACTOR TO INSTALL (1) 2" RGS CONDUIT FROM J-BOX-2 TO J-BOX-3 THROUGH EXISTING (1) 4" CONDUIT. INSTALL PER SCL CONSTRUCTION STANDARDS 0095.60 AND 1716.07.
- 11 CONTRACTOR TO INSTALL (1) NEW NEMA 4X STAINLESS STEEL J-BOX SIMILAR IN SIZE TO TYPE-2 HH. INTERCEPT EXISTING CONDUIT. MOUNTING OF J-BOX TO BE APPROVED BY STRUCTURAL ENGINEER AND SDOT IN AREA WAY.
- 12 CONTRACTOR TO INSTALL (2) 2" RGS CONDUIT FROM J-BOX-3 TO J-BOX-4. INSTALL PER SCL CONSTRUCTION STANDARD 0095.60 AND 1716.07.
- 13 CONTRACTOR TO INSTALL (1) 1.25" AND (1) 2" RGS CONDUIT FROM J-BOX-4 TO ASSET# 1313162. INSTALL PER SCL CONSTRUCTION STANDARD 0095.60 AND 1716.07.
- 14 EXISTING ZAYO VAULT PLACED UNDER PERMIT #366932. CORE VAULT AND PLACE CONDUIT FROM TRENCH.
- 15 PROPOSED OPEN TRENCH 1-2" CONDUIT FROM EXISTING ZAYO VAULT TO THE NEWLY-INSTALLED POLE BASE FOUNDATION. COORDINATE WITH SCL STREET LIGHT CREW DURING THE INSTALLATION OF CONDUIT FROM VAULT.

PROJECT ENGINEER STAMP

3				AS-BUILT
2	2/17/21	KW	KAW	REVISION # 4
1	3/23/20	MF	DDS	ORIGINAL
NO.	DATE	ENGINEER	DRAFTER	COMMENT

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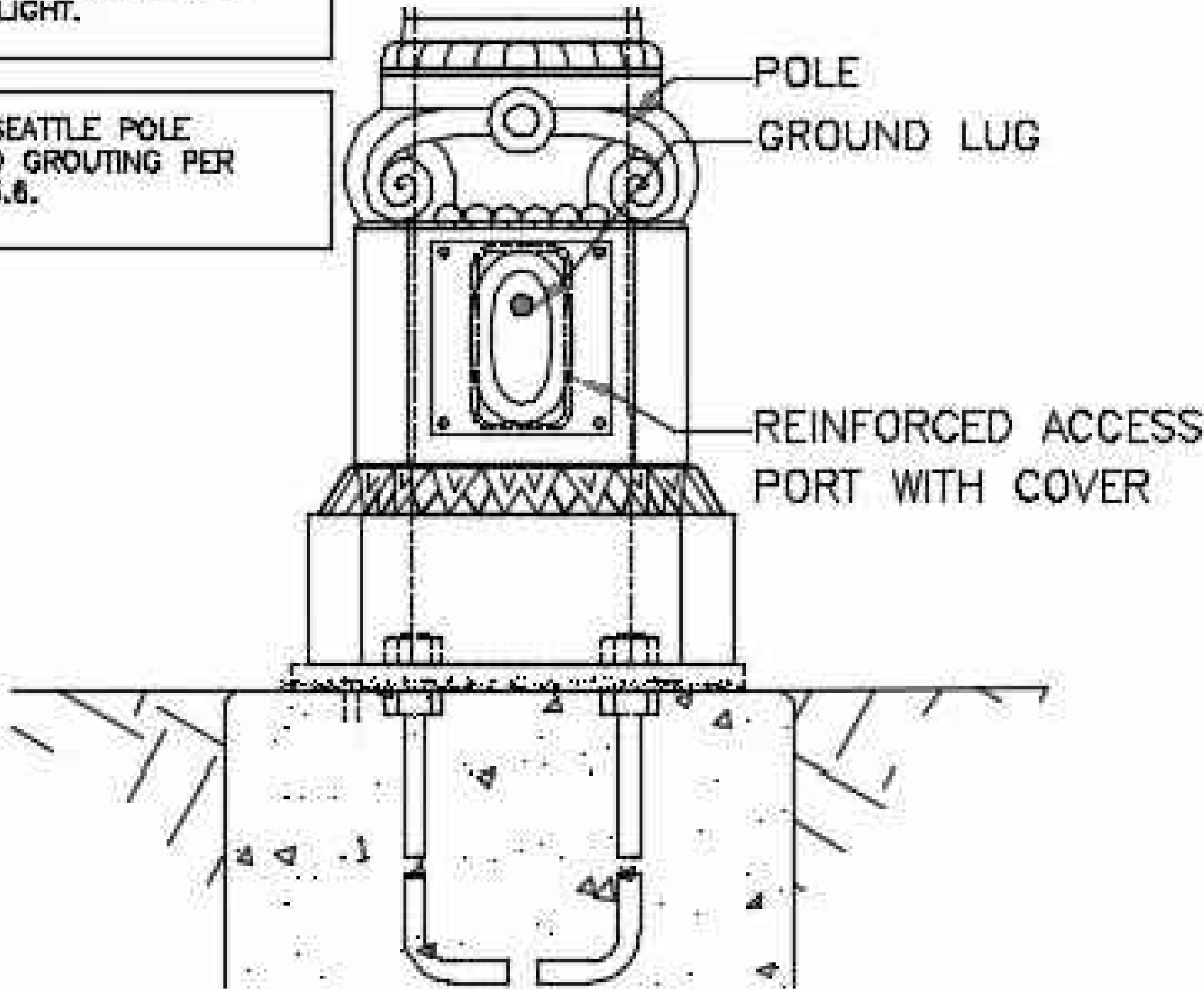
GROUNDING DETAILS

NOTES:

- 1. GROUND WIRE MOLDING SHALL BE INSTALLED OVER THE BARE GROUND WIRE TO PROTECT LINE WORKERS, THE WIRE, AND THE PUBLIC. EXTEND PLASTIC MOLDING AT LEAST TWO INCHES BELOW GRADE.
- 2. THE GROUND WIRE SHALL BE IN ONE CONTINUOUS LENGTH. INSERT GROUND WIRE FROM THE BOTTOM OF THE GROUND CLAMP AND BOND OVER CLAMP BEFORE TIGHTENING. CONNECT TO SECONDARY OR SERVICE NEUTRAL ON THE POLE. PLACE GROUND WIRE ON POLE BETWEEN FACE (NOTCH SIDE) AND SERVICE NEUTRAL.
- 3. DROVE GROUND ROD IN FIRM UNDISTURBED EARTH
- 4. REFERENCE SEATTLE CITY LIGHT STD 0461.01

NOTE: SCL COVER AT 180° DEDICATED TO SCL'S LUMINAIRE WIRE SHALL BE STAMPED WITH SEATTLE CITY LIGHT.

NOTE: CHIEF SEATTLE POLE MOUNTING AND GROUTING PER 1716.38 FIG 5.6.



BASE DETAIL
SCALE: NTS

LEGEND

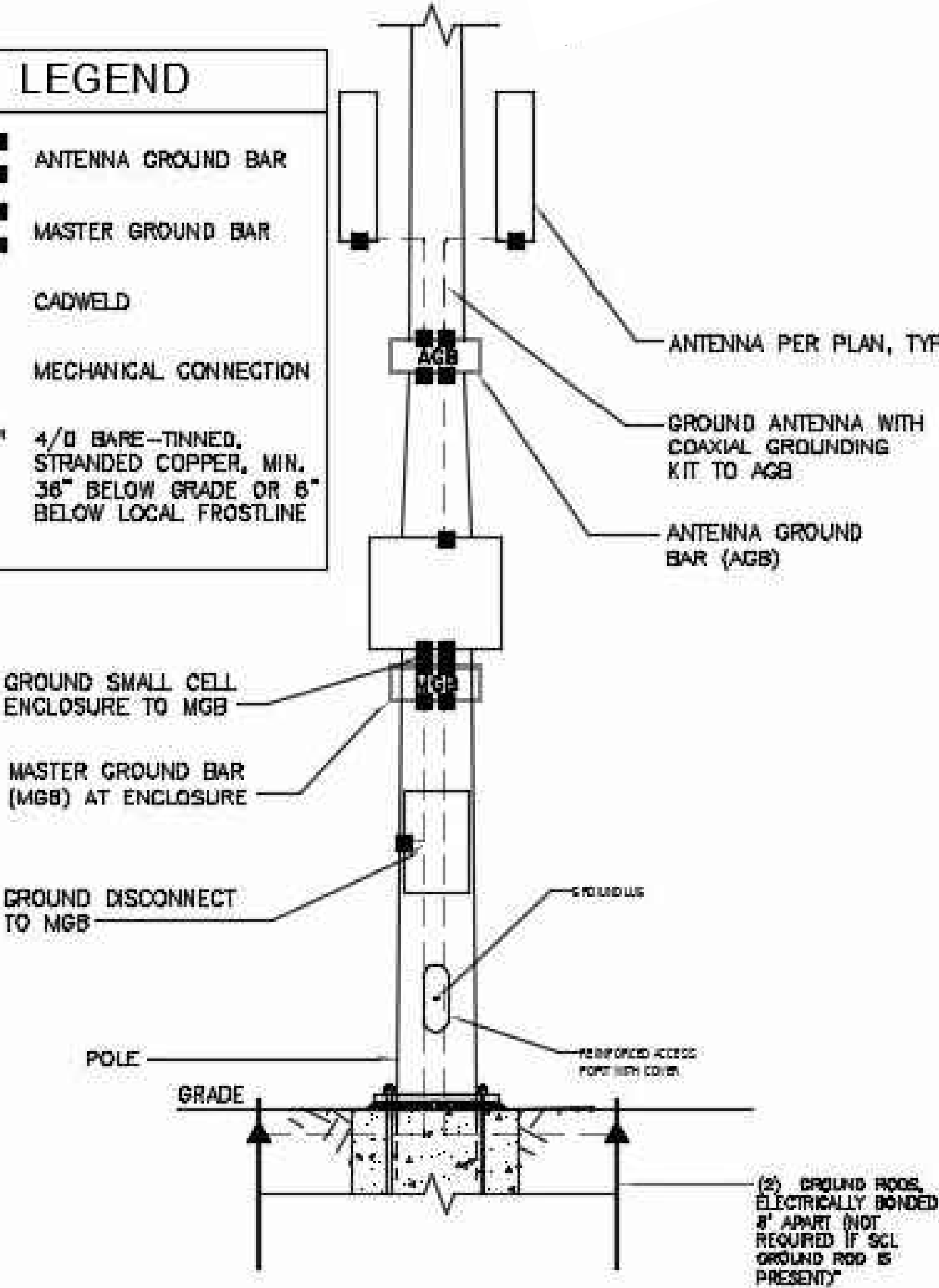
ANTENNA GROUND BAR

MASTER GROUND BAR

CADWELD

MECHANICAL CONNECTION

4/0 BARE-TINNED, STRANDED COPPER, MIN. 36" BELOW GRADE OR 8" BELOW LOCAL FROSTLINE



GROUND ROD DETAIL
SCALE: NTS

GROUNDING NOTES:

- 1. ALL METALLIC PARTS OF THE INSTALLATION ON THE POLE SHALL BE BONDED TOGETHER AND GROUNDED.
- 2. A COPPER GROUND WIRE, #6 AWG MINIMUM SIZE SHALL BE INSTALLED FROM THE BASE OR FEEDLINE CONNECTION POINT OF THE ANTENNA TO A GROUND ROD AT THE BASE OF THE POLE AND BE ADJACENT TO THE ANTENNA FEEDLINE CONDUIT. THE GROUND WIRE SHALL BE PERMANENTLY CONNECTED TO THE GROUND ROD.
- 3. WHERE A SCL NEUTRAL CONDUCTOR EXISTS, THE GROUND WIRE SHALL BE PERMANENTLY BONDED TO THE SCL NEUTRAL CONDUCTOR AT THE NEUTRAL CONDUCTOR LEVEL BY SCL SCREWS.
- 4. A GROUND ROD, 8 FEET MINIMUM IN LENGTH SHALL BE INSTALLED (WHERE NO SCL GROUND ROD & INTACT GROUND WIRE EXISTS) AT THE REQUIREMENTS OF CONSTRUCTION GUIDELINE D16-2.
- 5. THE GROUND WIRE SHALL BE COVERED BY A PROTECTIVE MOLDING FOR ITS ENTIRE LENGTH ON THE POLE EXCEPT AT THE POINT WHERE IT MUST BE EXPOSED FOR BONDING TO THE SCL NEUTRAL.
- 6. THE SCL AND COMMUNICATION GROUND RODS SHALL BE BONDED TOGETHER USING COPPER #6 AWG WIRE.

PROJECT ENGINEER STAMP

3				AS-BUILT
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MasTec
Network Solutions

MGC
TECHNICAL CONSULTING INC.

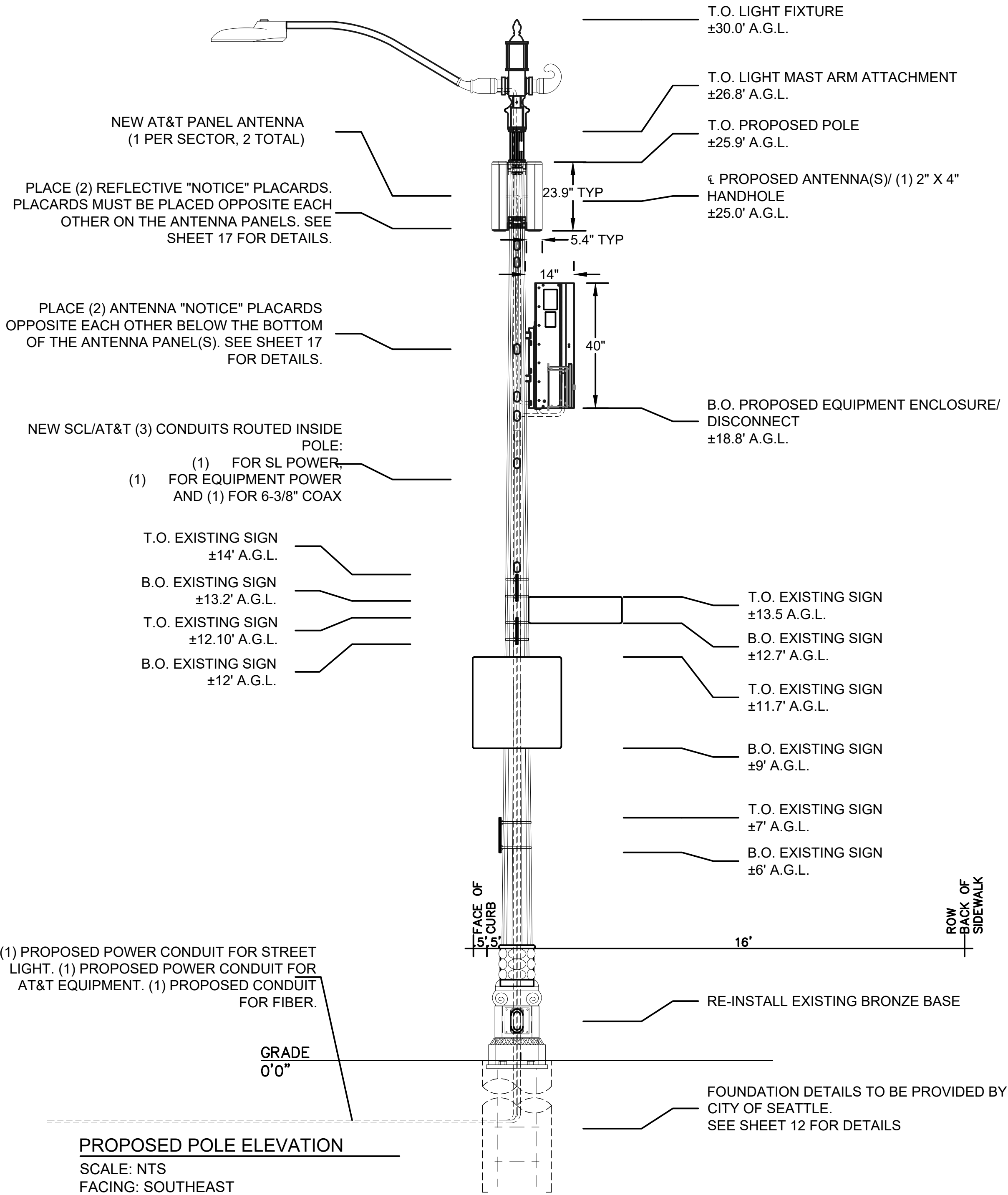
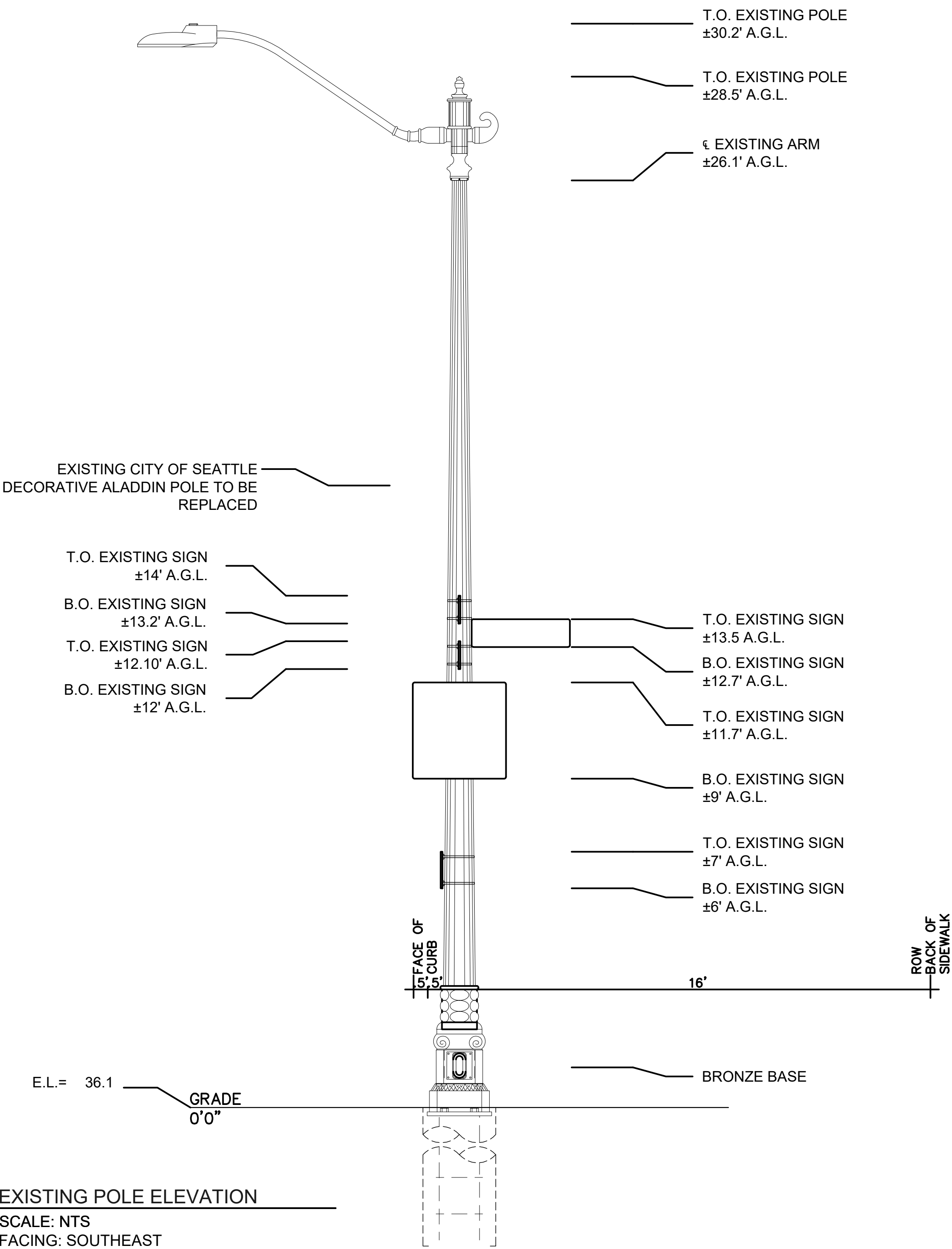
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DRAWING NAME: MASTEC - 15586-023-E - PLANS.dwg



POLE ELEVATION

NOTES:

1. ELEVATION IS DIAGRAMMATIC ONLY.
2. NEW EQUIPMENT TO BE PAINTED SHERWIN-WILLIAMS POWDURA TGIC POWDER COATING, DGS2-40003, RAILROAD GREE, RF TRANSPARENT, UV RESISTANT, OUTDOOR RATED PAINT.
3. INSTALL RF WARNING SIGNS PER MANUFACTURER SPECIFICATIONS.
4. CONTRACTOR SHALL RE-INSTALL ALL EXISTING SIGNAGE AND APPURTENANCES ONTO PROPOSED POLE AS REQUIRED.
5. NEW STREET LIGHT AND ARM COLOR AND FINISH TO MATCH EXISTING STREET LIGHT.
6. SEE SHEET 9-12 FOR DETAILED POLE SPECIFICATIONS.
7. EXISTING BRONZE BASE. CONTRACTOR TO COORDINATE WITH SDOT YARD STORAGE FOR FUTURE USE.



Know what's below.
Call before you dig.

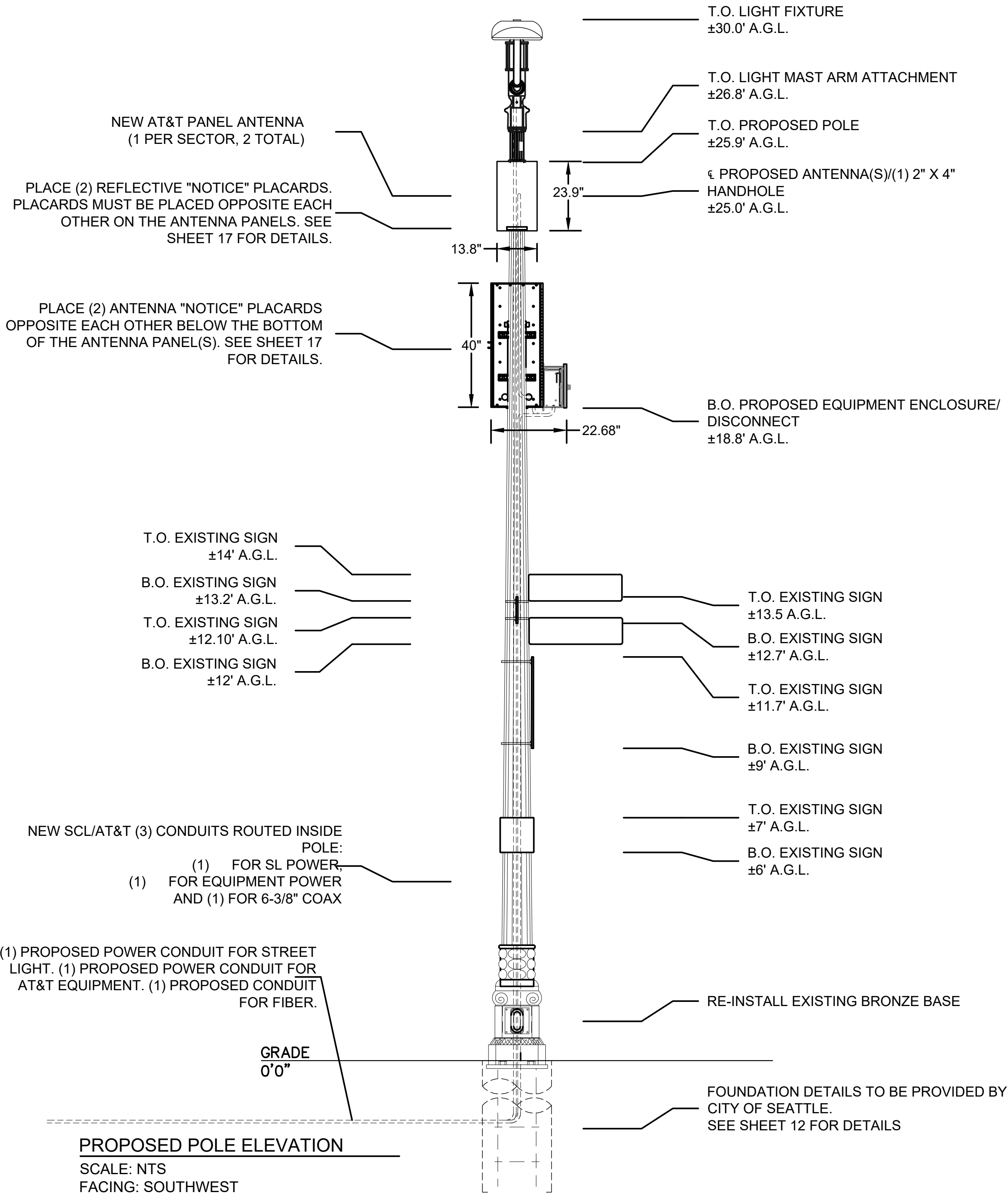
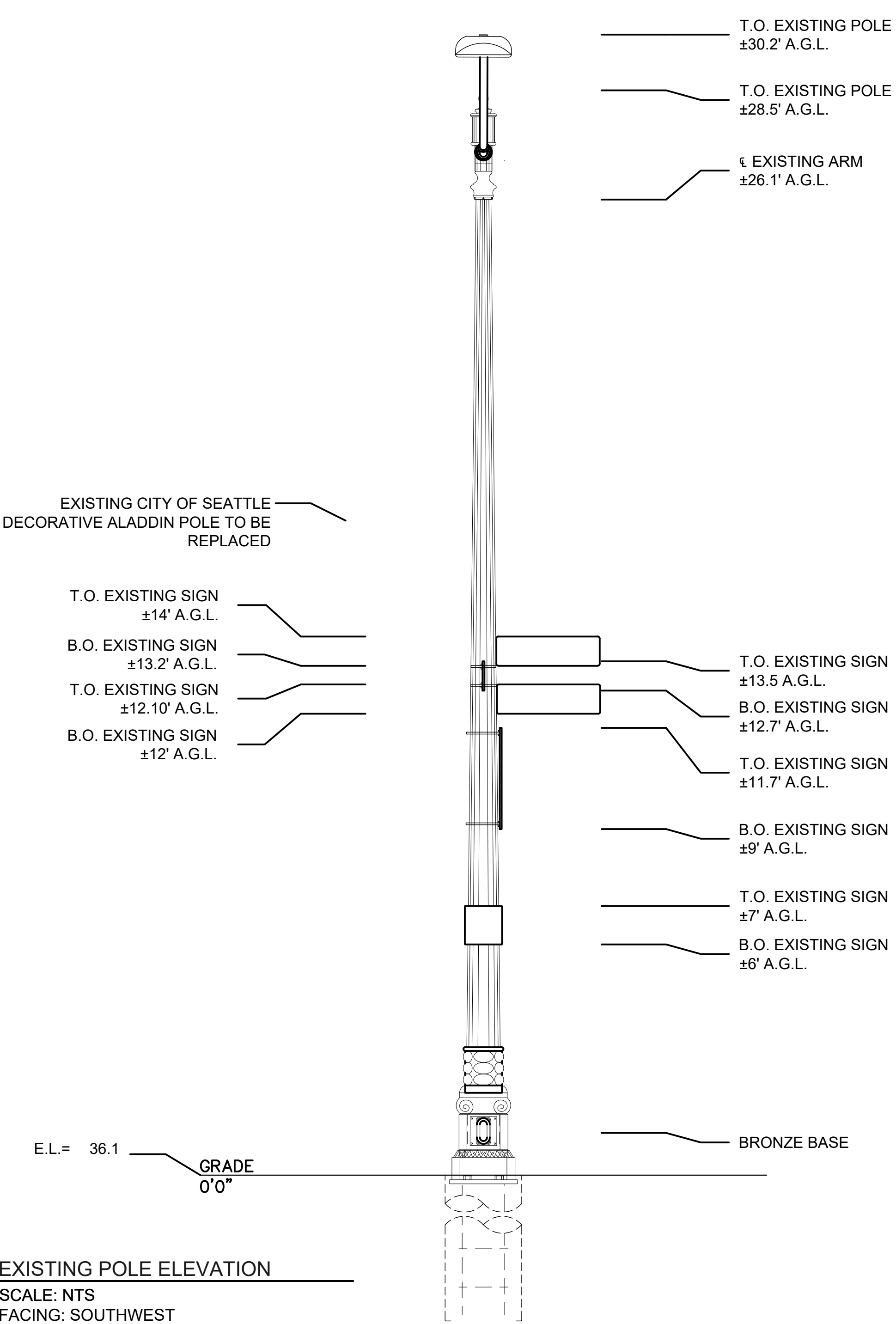
PROJECT ENGINEER STAMP

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CONFIDENTIAL/PROPRIETARY				

POLE ELEVATION

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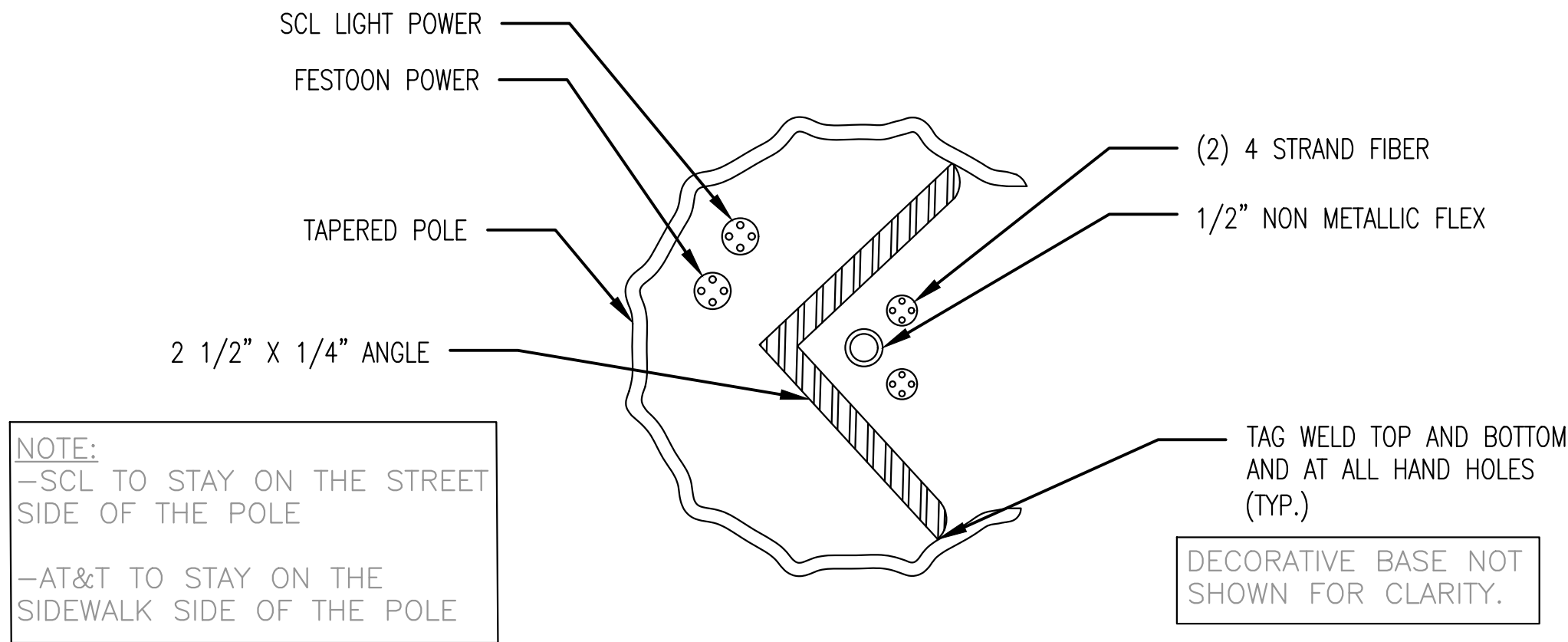
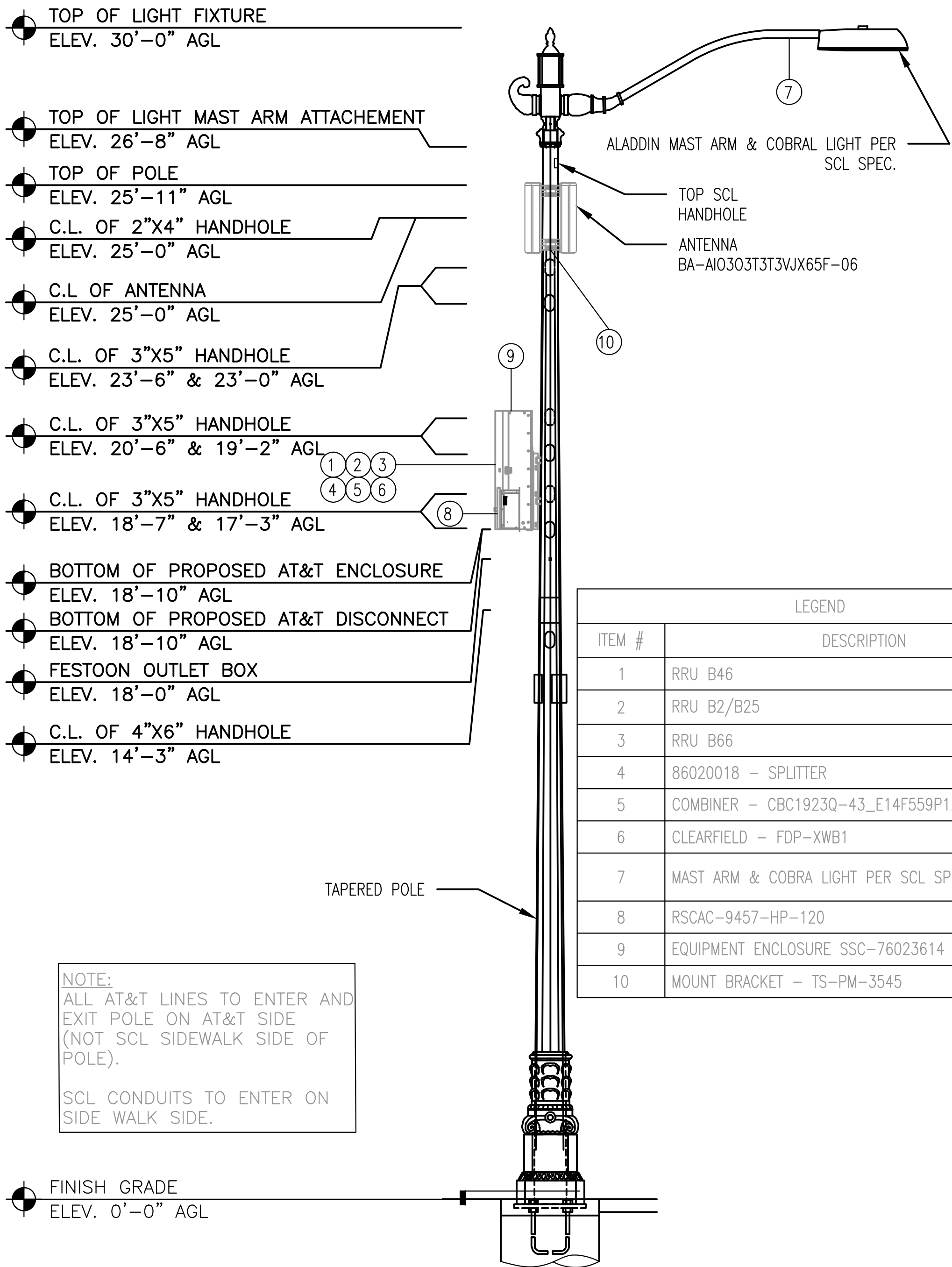
PROJECT ENGINEER STAMP

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SHEET: 8 OF 27				

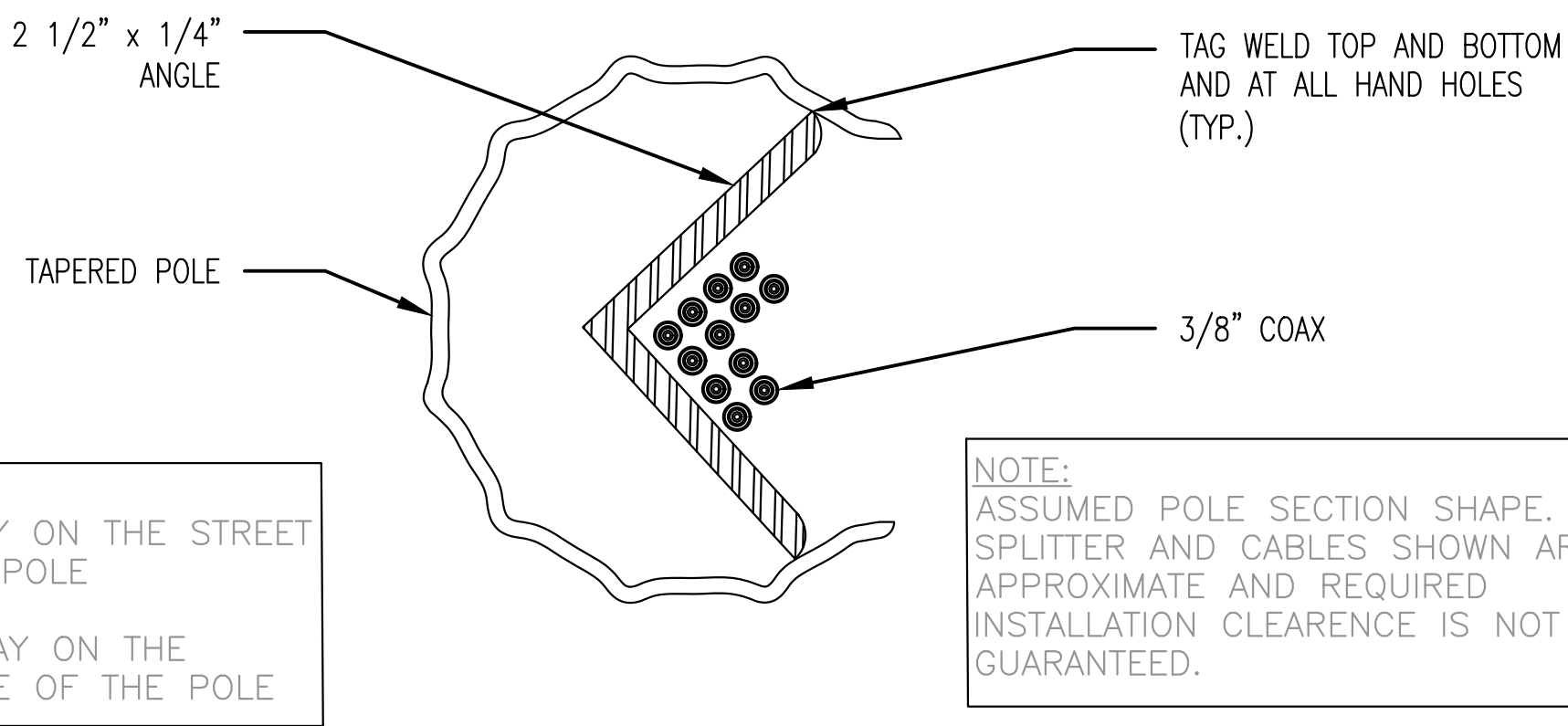
POLE SPECIFICATIONS

CONSTRUCTION NOTES

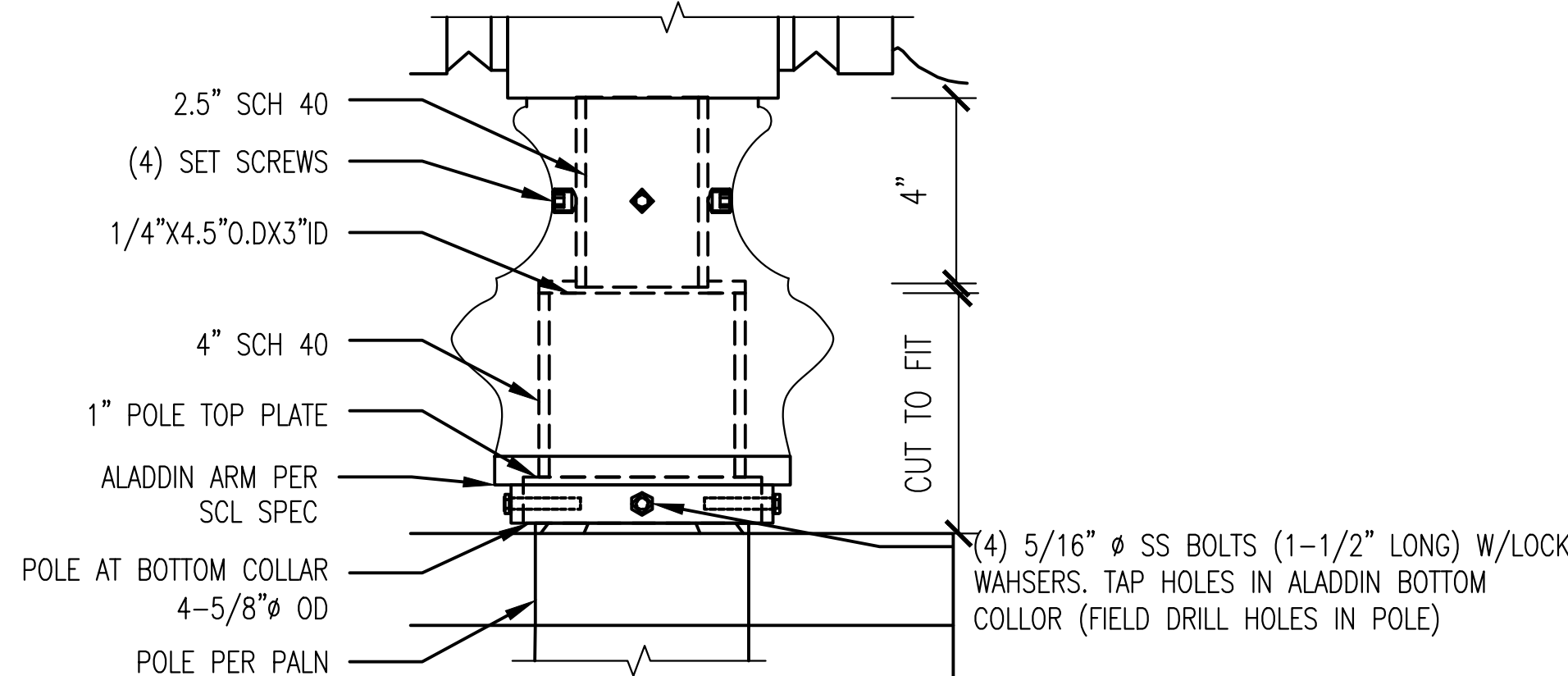
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SECTION 'B-B' AT 18'-10" (LOWER SECTION)



SECTION 'A-A' AT 18'-10" (UPPER SECTION)



ALADDIN ATTACHMENT

LETS AMERICA, INC POLE DESIGN

1. REFERENCE ATTACHED PDF (~SEA Aladdin Street Lights-CSB - NoExceptionsApproval - 3.16.20) FOR ENGINEERING STAMP AND APPROVAL.

PROJECT ENGINEER STAMP

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3	2/17/21	KW	KAW	AS-BUILT
2	3/23/20	MF	DDS	REVISION # 4
1				ORIGINAL

MasTec Network Solutions **MGC** TECHNICAL CONSULTING INC.

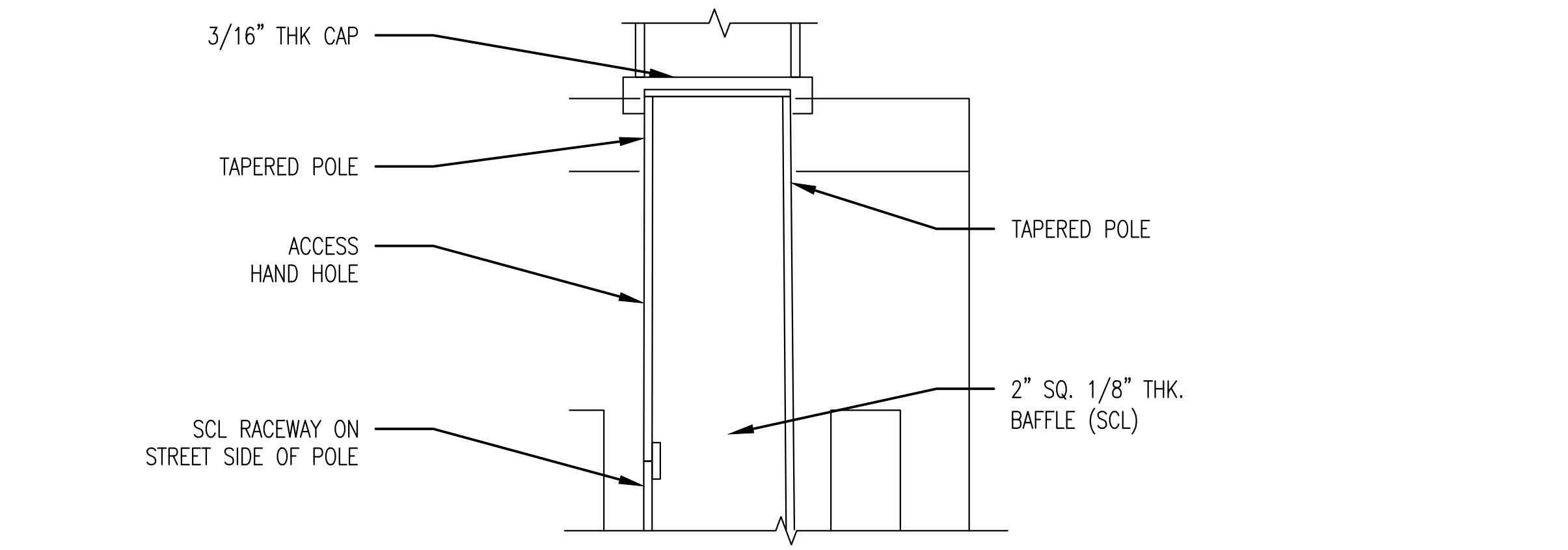
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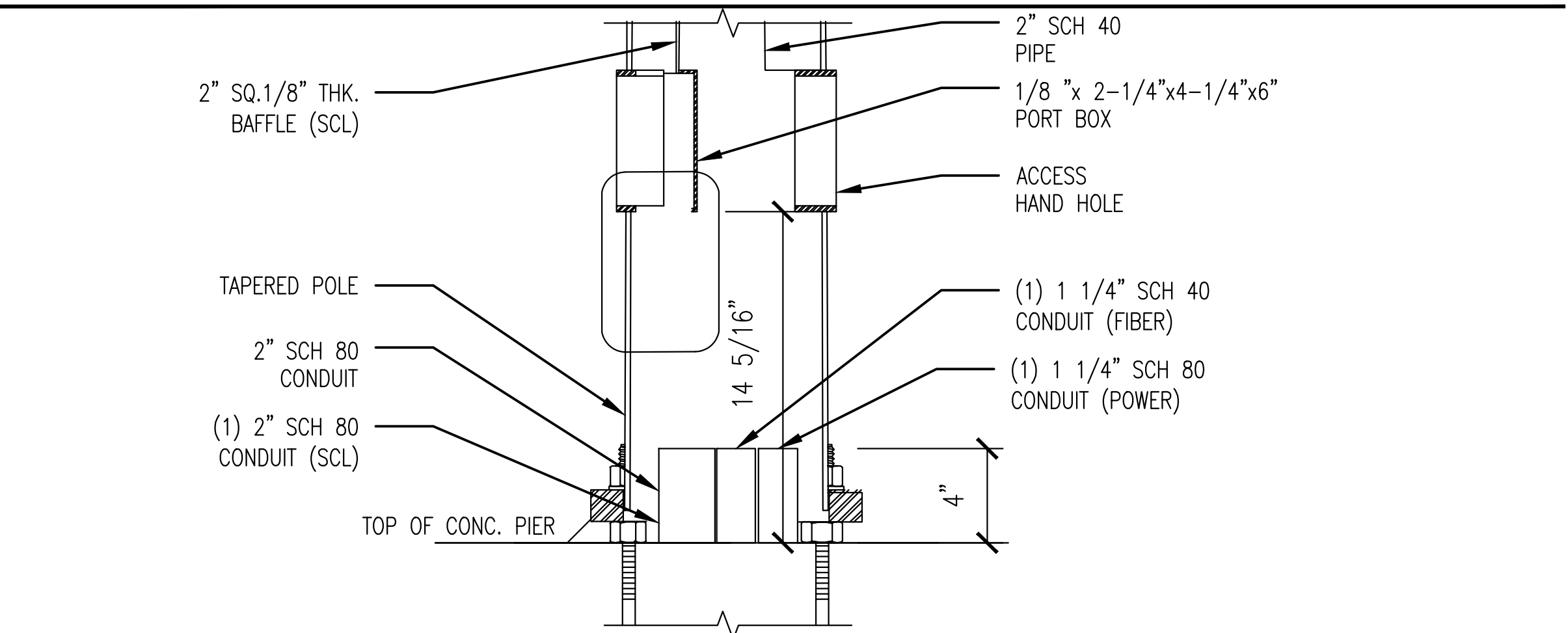
POLE SPECIFICATIONS

CONSTRUCTION NOTES

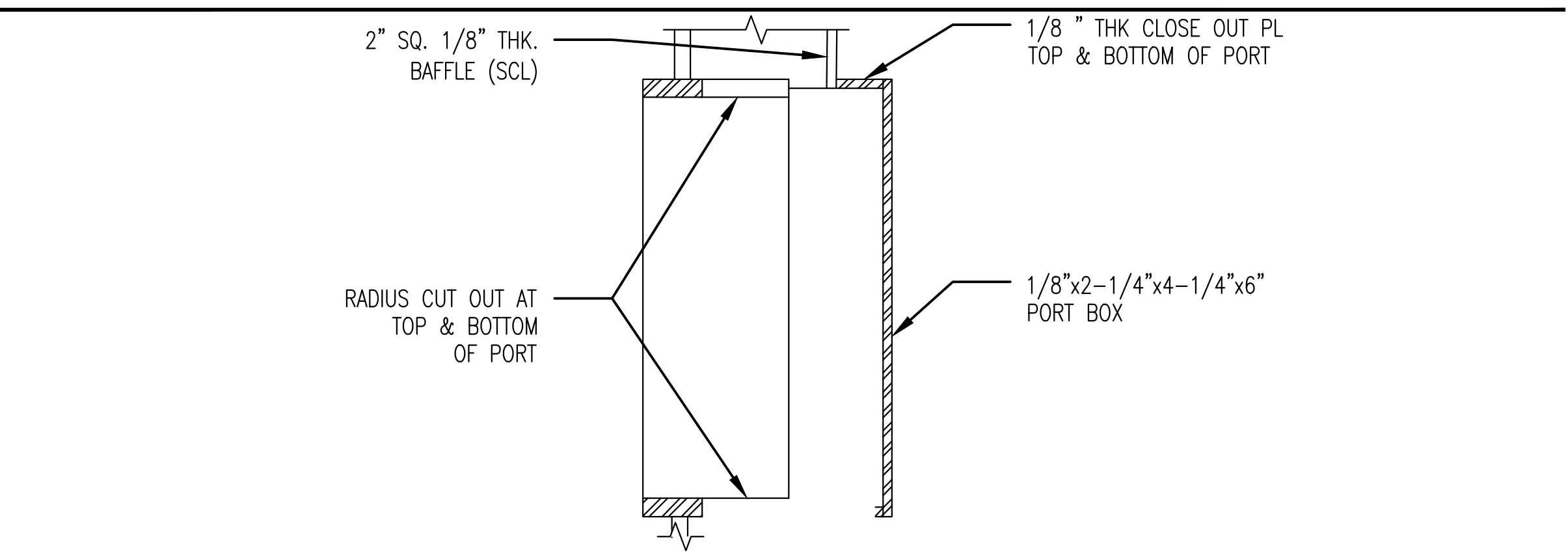
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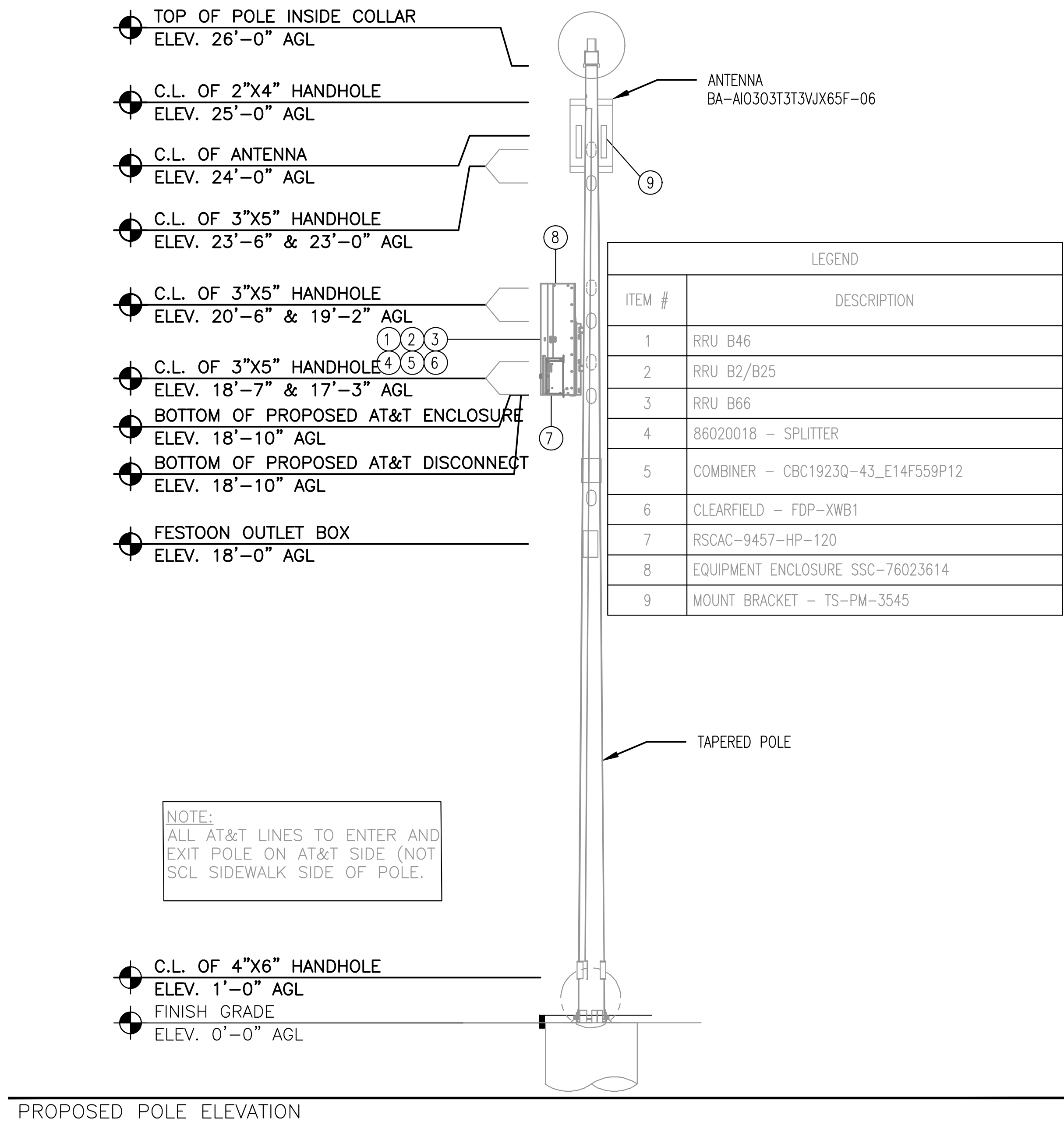
SECTION AT TOP OF POLE



SECTION AT BOTTOM OF POLE



SECTION AT SCL PORT



PROPOSED POLE ELEVATION

LETS AMERICA, INC POLE DESIGN

1. REFERENCE ATTACHED PDF (~SEA Aladdin Street Lights-CSB - NoExceptionsApproval - 3.16.20) FOR ENGINEERING STAMP AND APPROVAL.

PROJECT ENGINEER STAMP

Blank area for the Project Engineer Stamp.

3				AS-BUILT
2	2/17/21	KW	KAW	REVISION # 4
1	3/23/20	MF	DDS	ORIGINAL
NO.	DATE	ENGINEER	DRAFTER	COMMENT

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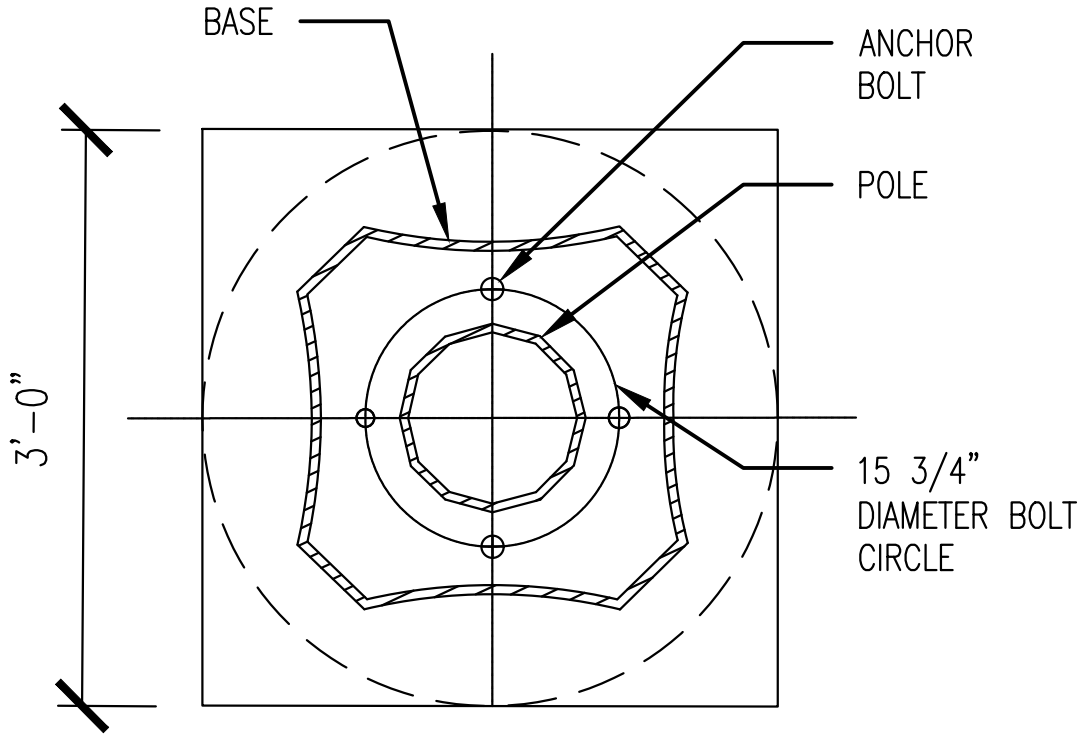
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POLE SPECIFICATIONS

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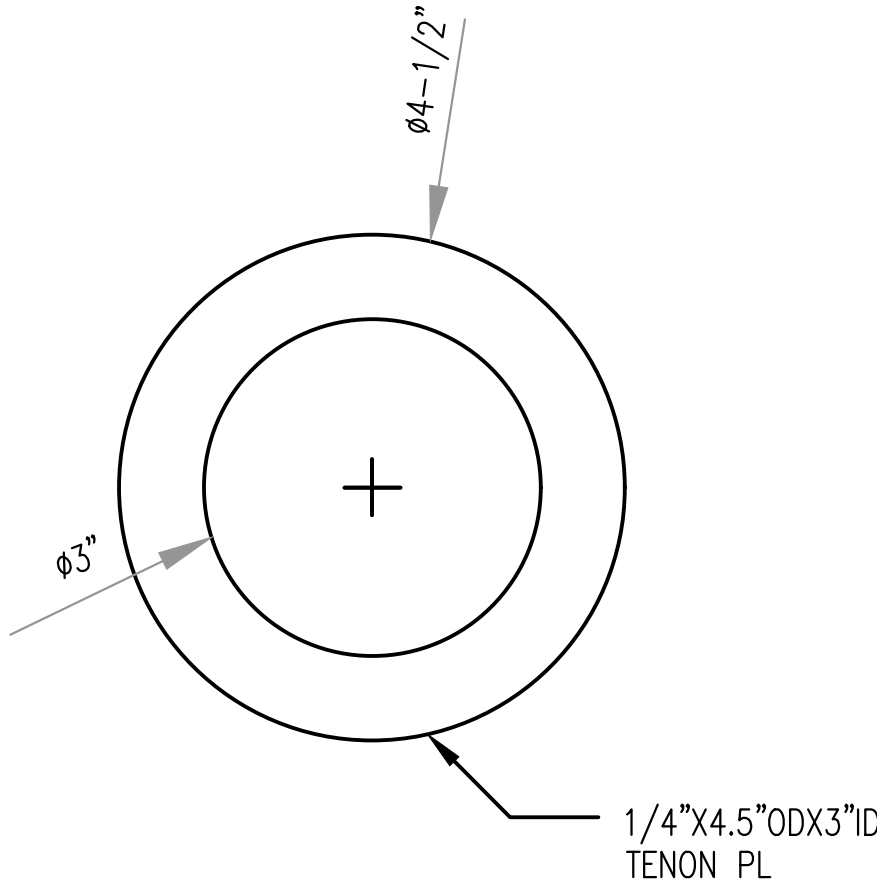
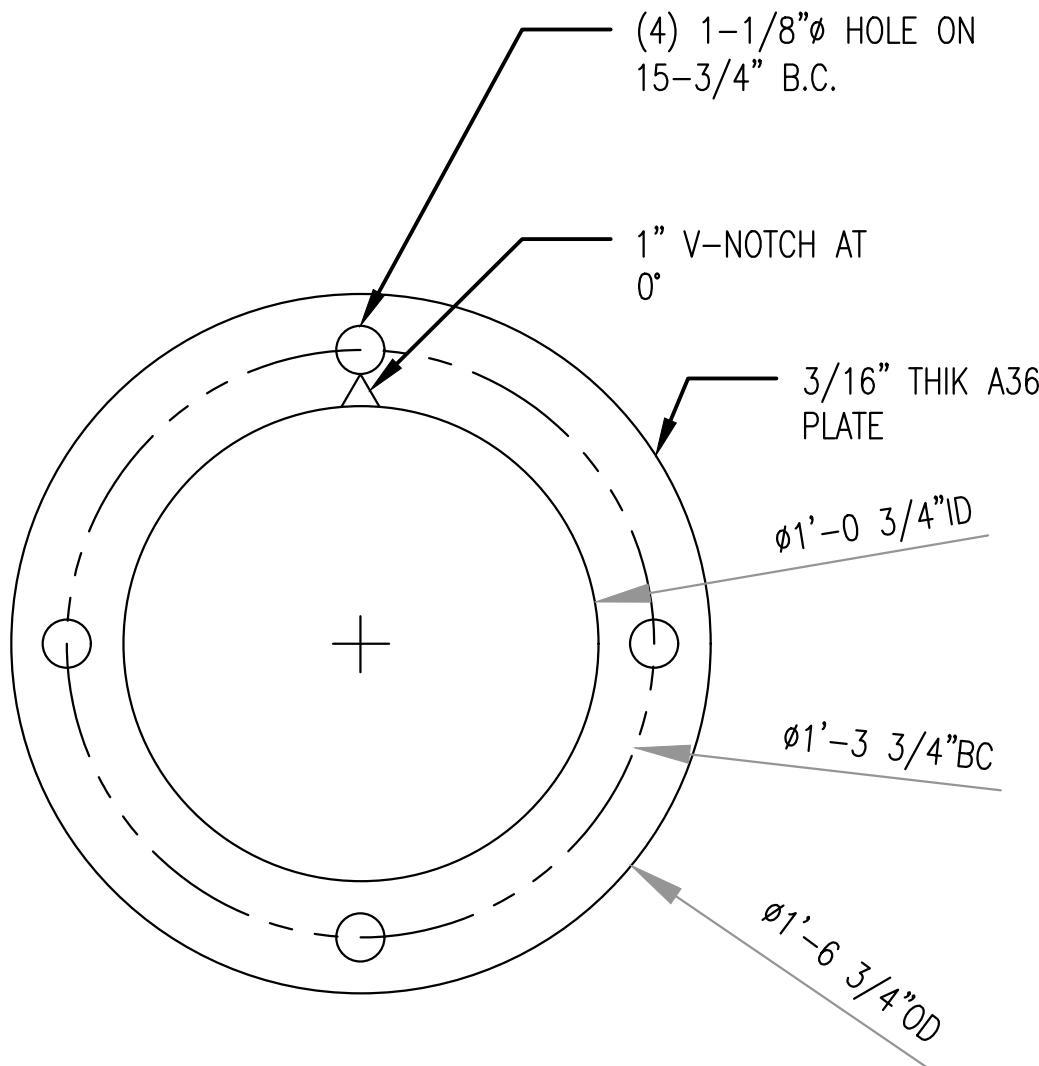
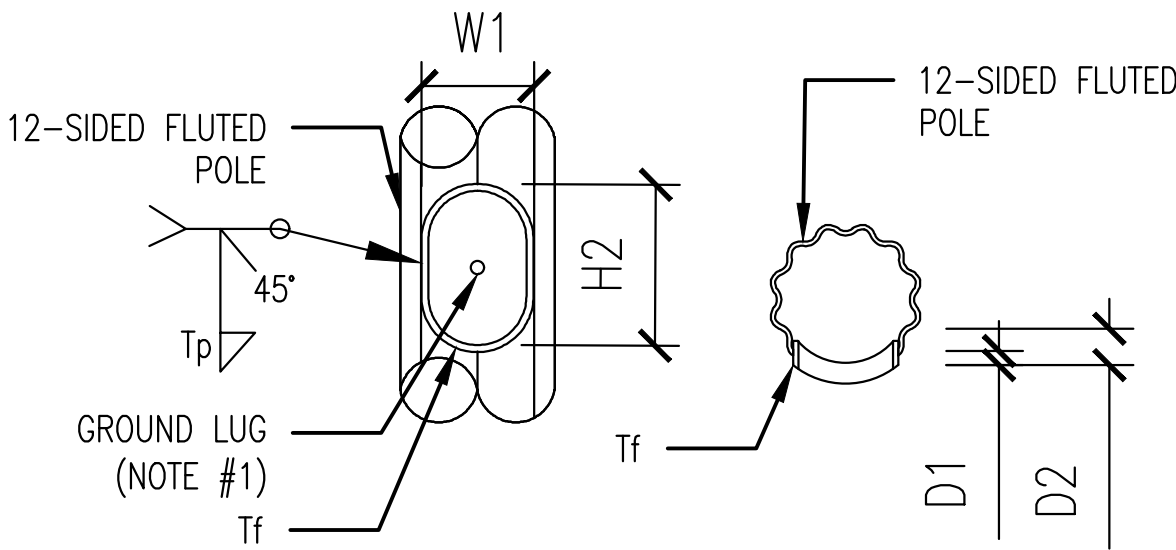


<u>UNREINFORCED HAND/ACCESS HOLE SCHEDULE</u>						
<u>ELEV</u> <u>(AGL)</u>	<u>QTY</u>	<u>W</u> <u>(IN)</u>	<u>H</u> <u>(IN)</u>	<u>AZIMUTH</u>	<u>TAB LOCATIONS</u>	<u>NOTES</u>
25'-0"	1	2	4	180°	TOP & BOTTOM & SIDES	#1
23'-6"	1	3	5	180°	TOP & BOTTOM & SIDES	
23'-0"	1	3	5	0°	TOP & BOTTOM & SIDES	
20'-6"	1	3	5	180°	TOP & BOTTOM & SIDES	
19'-2"	1	3	5	0°	TOP & BOTTOM & SIDES	
18'-7"	1	3	5	270°	TOP & BOTTOM & SIDES	
17'-11"	1	3	5	90°	TOP & BOTTOM & SIDES	
14'-3"	1	4	6	180°	TOP & BOTTOM & SIDES	

NOTE: GROUNDING LUG / BUS BAR REQUIRED AND SHOULD BE ACCESSIBLE BY SCL FROM STREET SIDE OF POLE PER SCL

NOTES: #1: GROUND LUG REQUIRED

INSTALL GROUNDING TERMINAL LUG INSIDE POLE



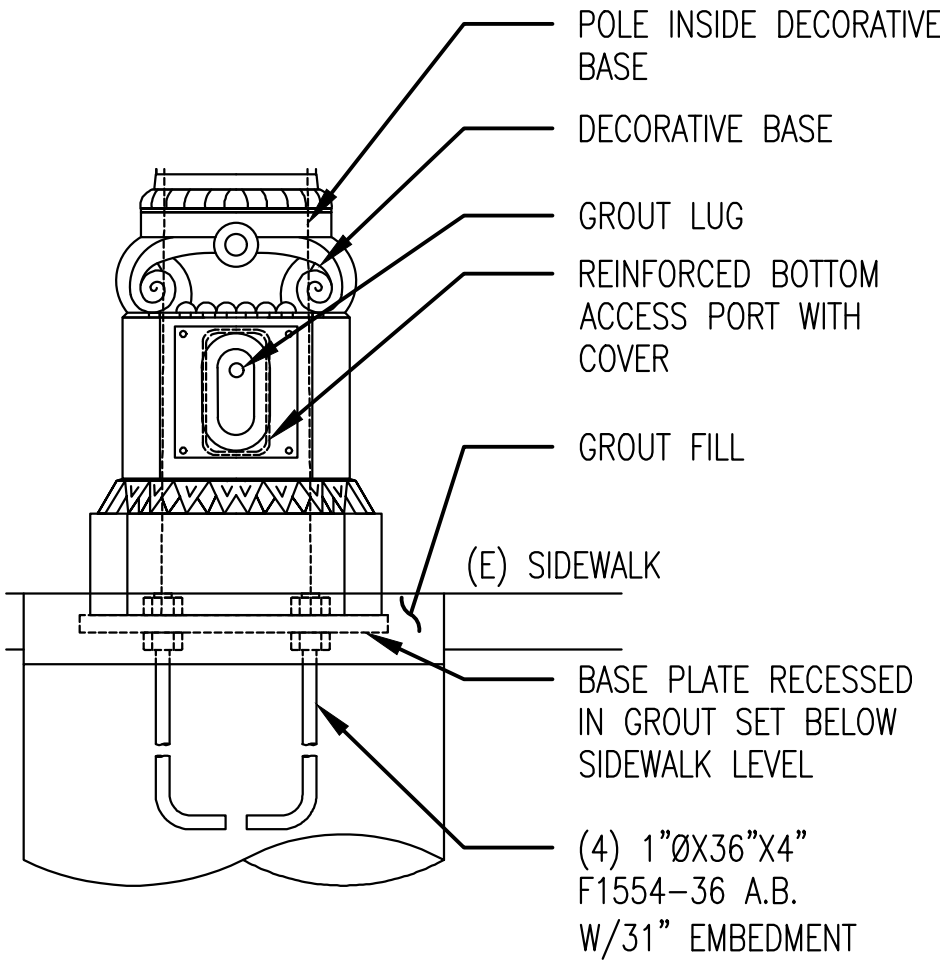
BASE PLATE

UPPER REINFORCED HANDHOLE DETAIL

ANCHOR BOLT TEMPLATE

1/4"X4.5"ODX3"ID TENON PL

TYPICAL DETAIL FOR (AZ=0° AND AZ=180°)

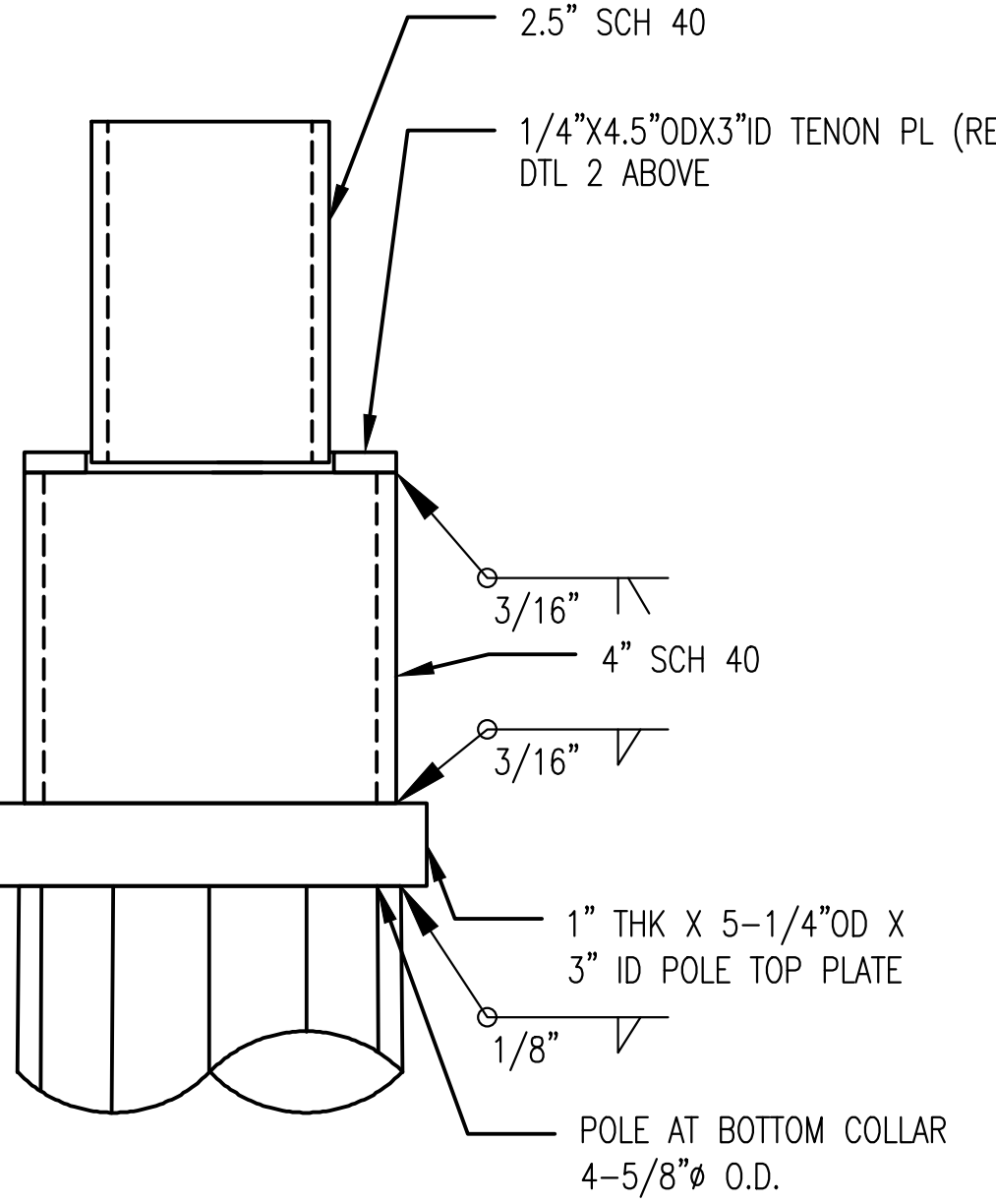
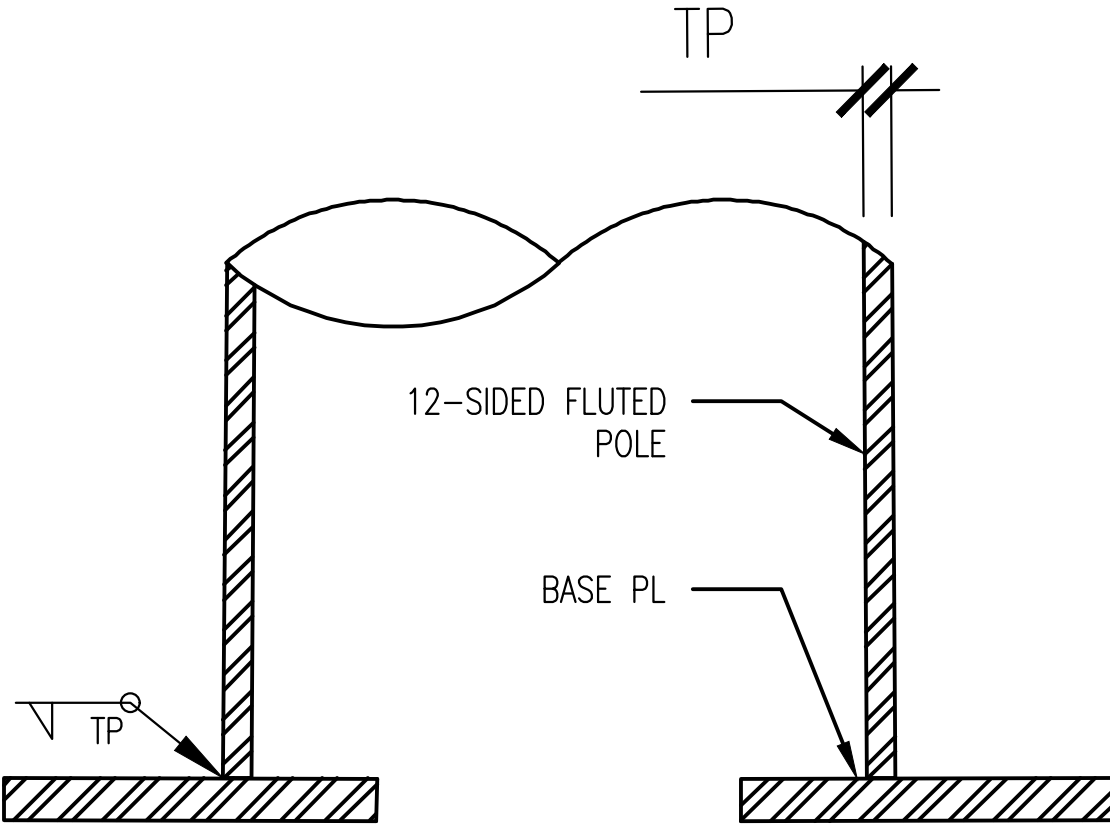
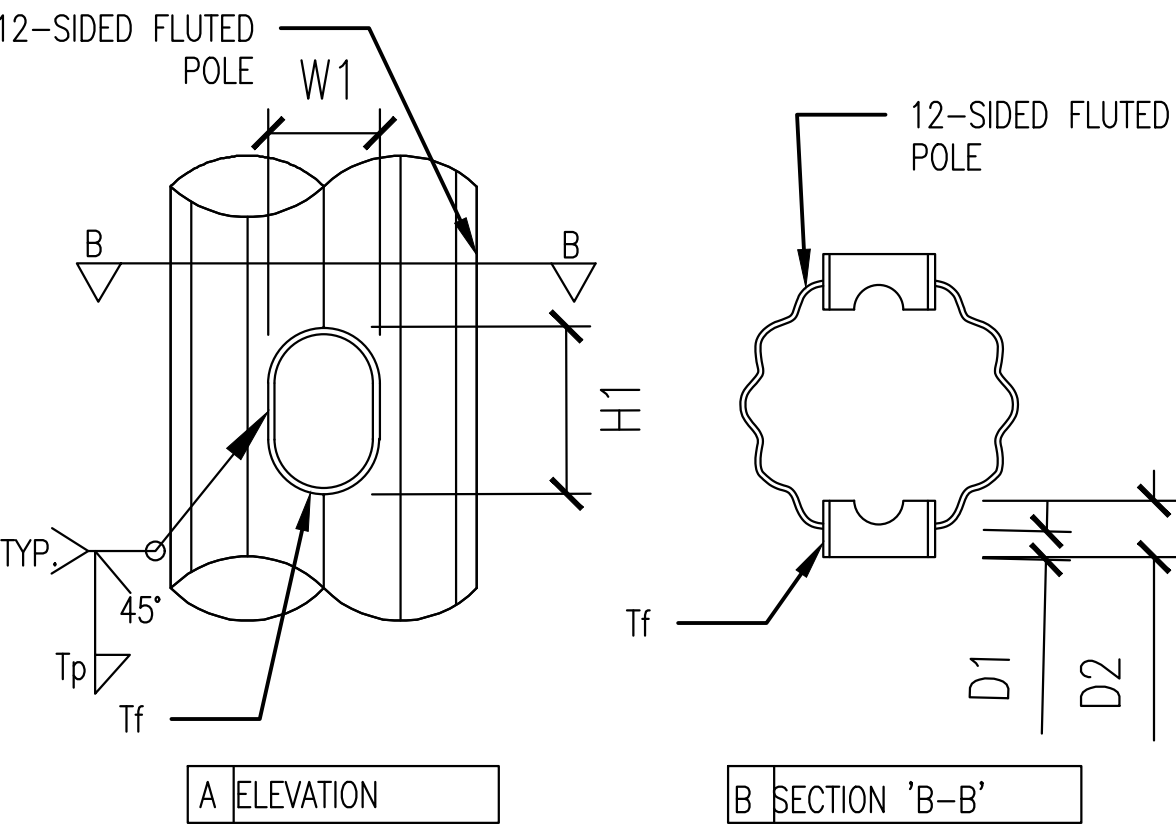


NOTE: SCL COVER AT 180° DEDICATED TO SCL'S LUMINAIRE WIRE SHALL BE STAMPED WITH SEATTLE CITY LIGHT.

NOTE: POLE MOUNTING PER SCL CONSTRUCTION STANDARD 1716.38 (SCL).

BOTTOM REINFORCED HAND/ACCESS HOLE SCHEDULE

ELEV (ATP)	QTY	W1 (IN)	H1 (IN)	AZIMUTH	D1 (IN)	D2 (IN)	Tf (IN)
1'-4"	2	4	6	0°, 180°	1	2	1/4



BASE DETAIL (AZ=0° AND AZ=180°)

REINFORCED HANDHOLE DETAIL

POLE TO BASE PL WELD

TENON DETAIL FOR ALADDIN ARM

LETS AMERICA, INC POLE DESIGN

1. REFERENCE ATTACHED PDF (~SEA Aladdin Street Lights-CSB - NoExceptionsApproval - 3.16.20) FOR ENGINEERING STAMP AND APPROVAL.

PROJECT ENGINEER STAMP

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2	3/23/20	MF	DDS	REVISION # 4
1				ORIGINAL

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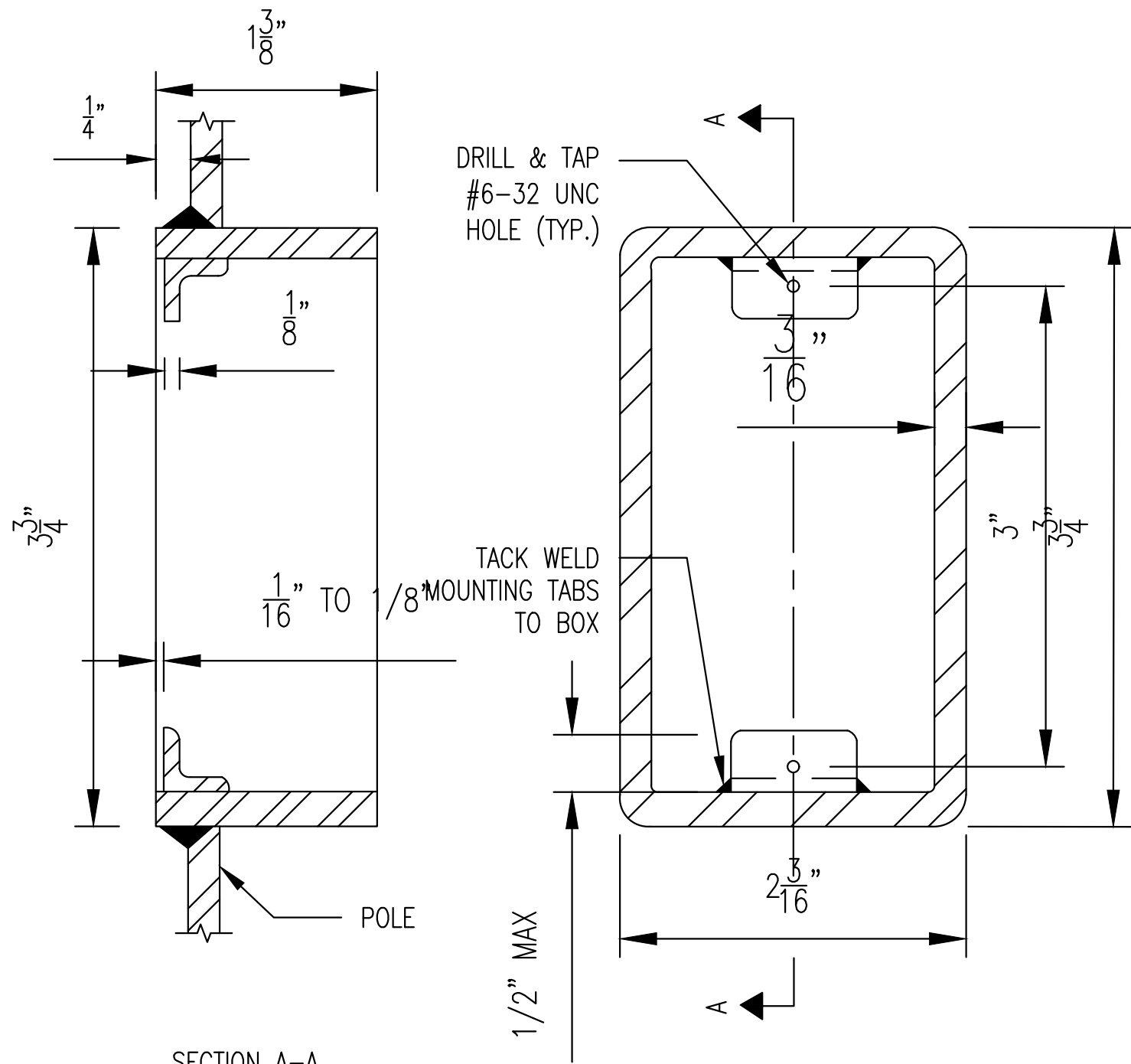
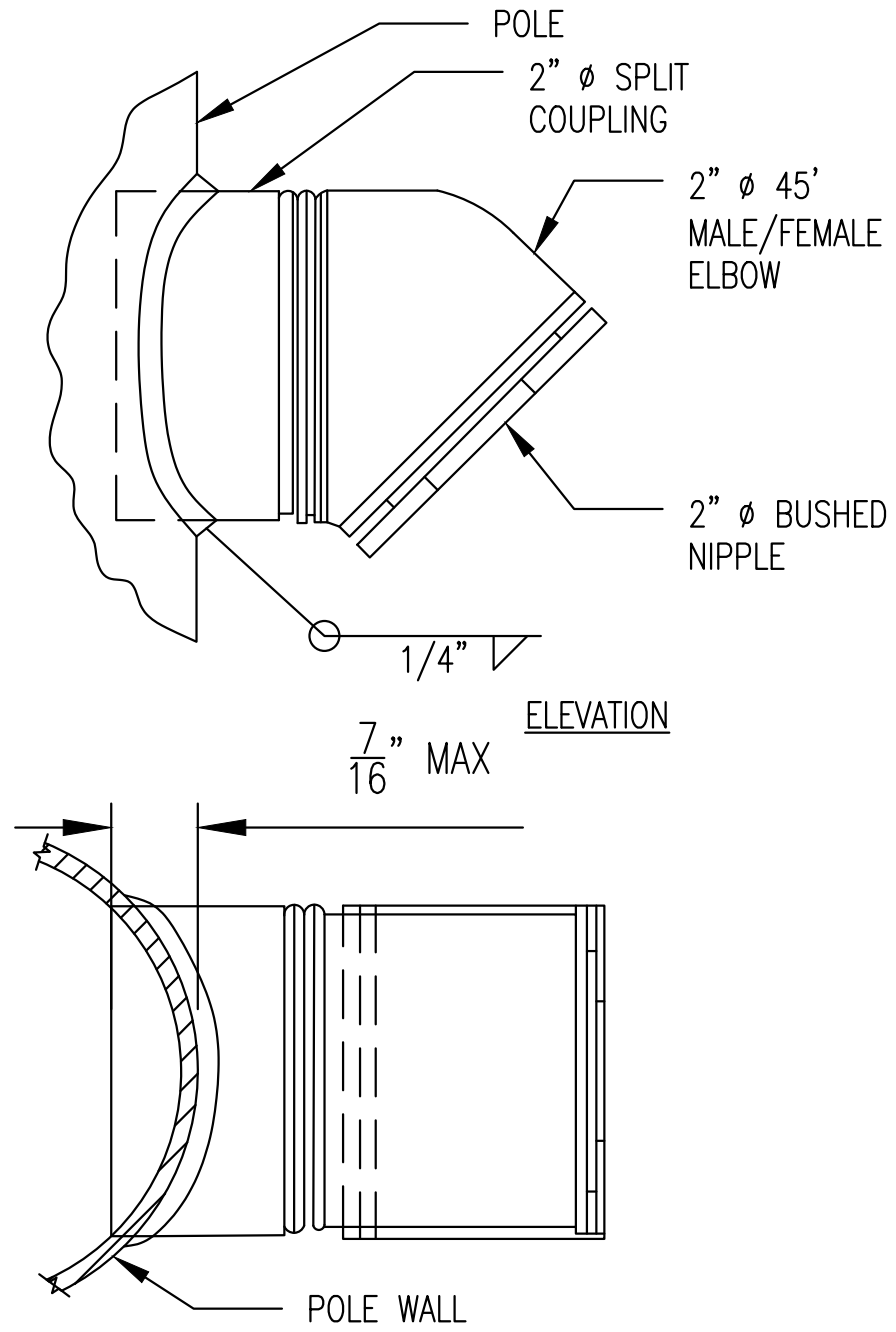
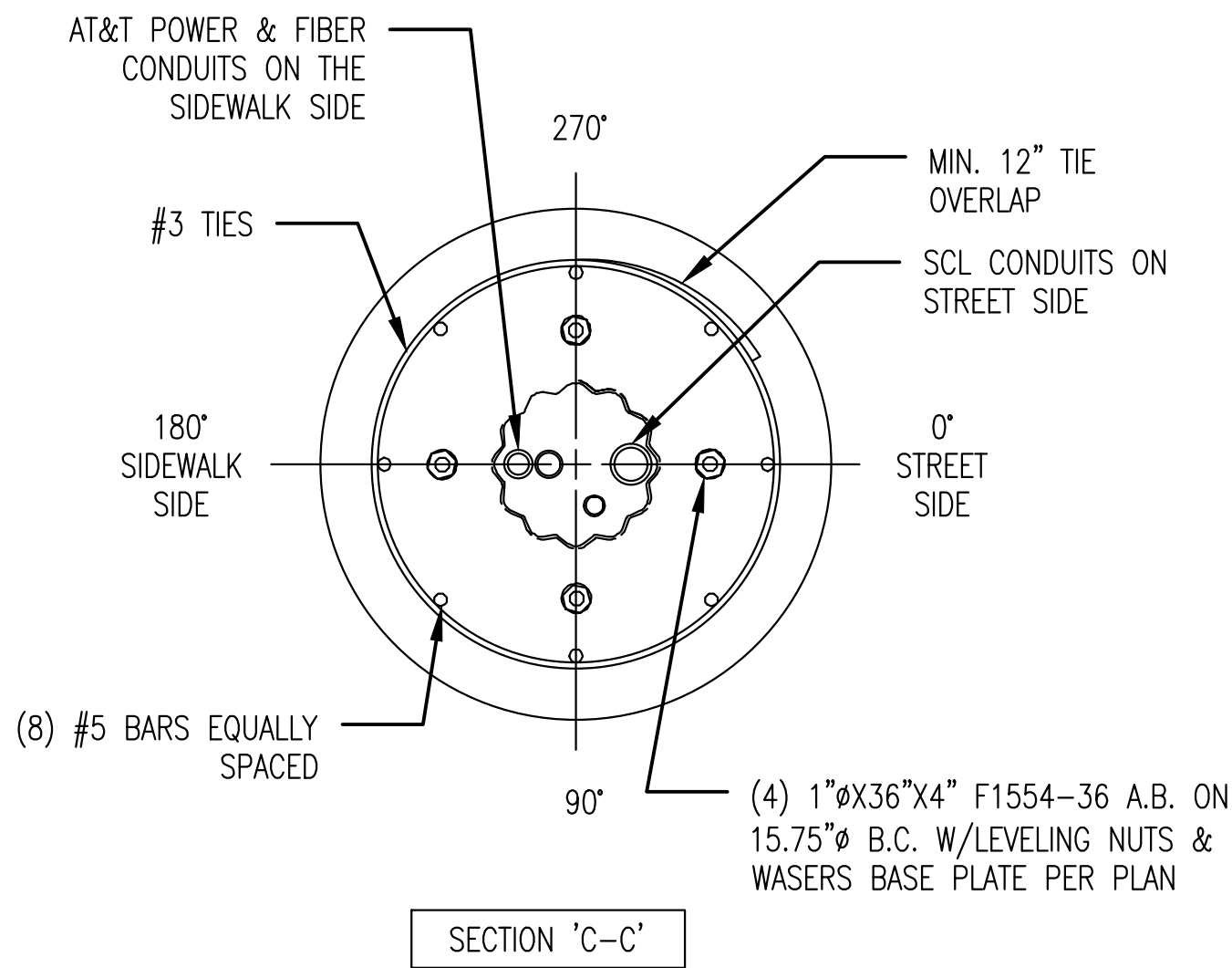
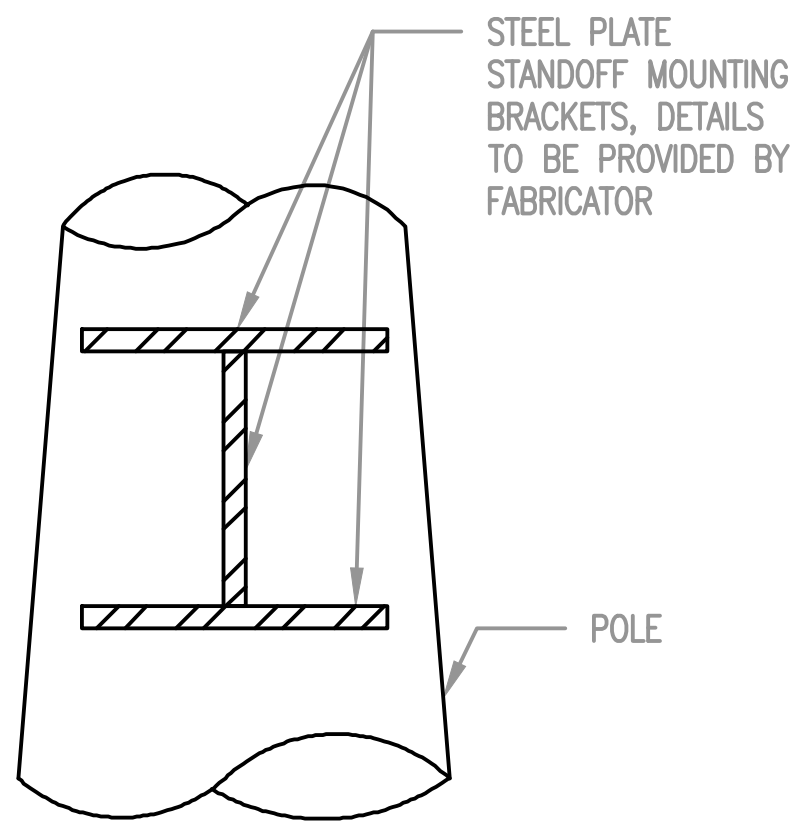
SHEET: 11 OF 27



POLE SPECIFICATIONS

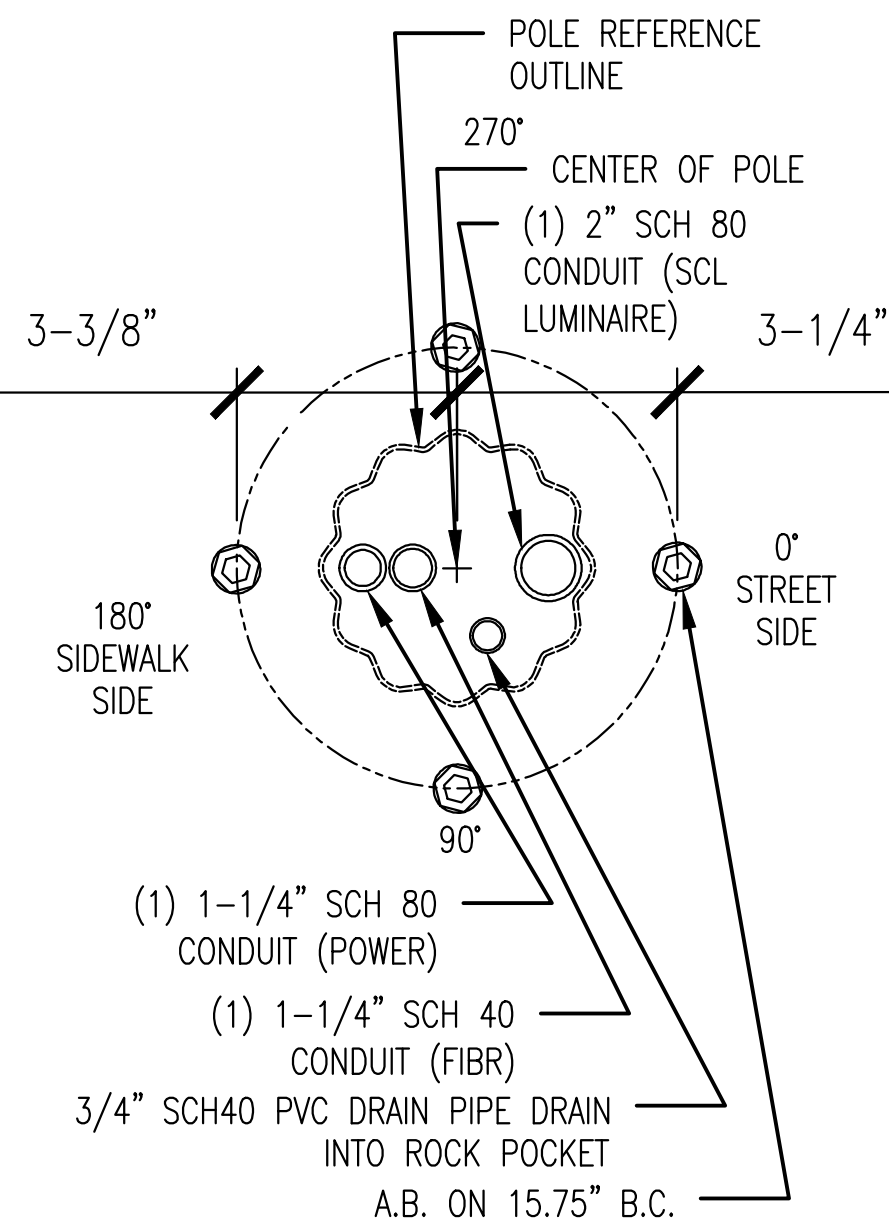
CONSTRUCTION NOTES

* COORDINATE WITH SCL-STREETLIGHT CREW. REMOVE EXISTING STREET LIGHT AND REPLACE WITH NEW SCL- AND SDOT-APPROVED DECORATIVE CHIEF SEATTLE STYLE STREET LIGHT. FOR POLE DELIVERY, SEE GENERAL NOTES FOR DETAILS. COORDINATE WITH SDOT AND KING COUNTY METRO FOR SIGNAGE REMOVAL AND REPLACEMENT ON NEW POLE.

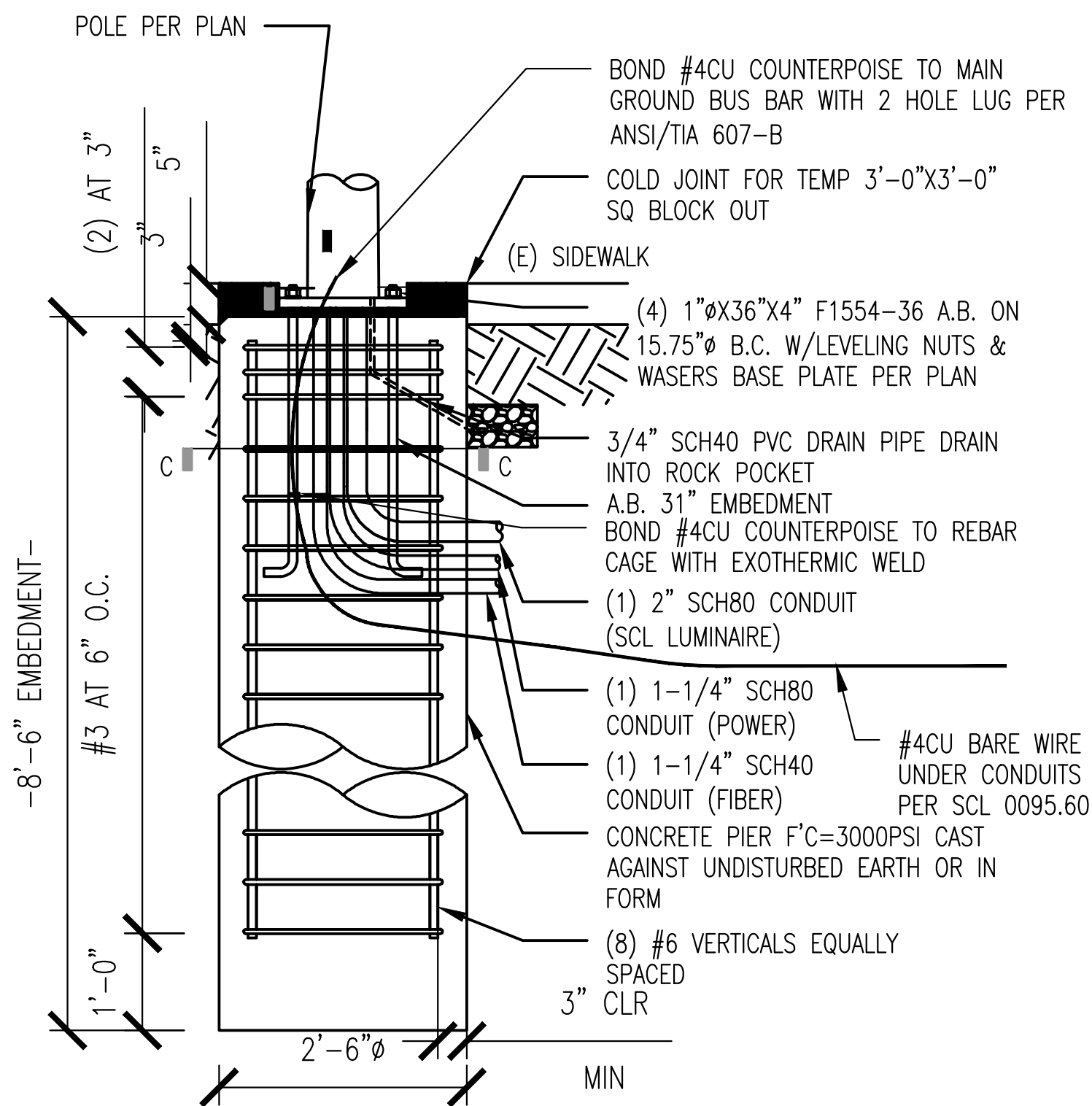


DEMARCO/RAYCAP MOUNT PLATES

*** FIELD VERIFY WITH FABRICATED POLE PLACE AS REQ'D



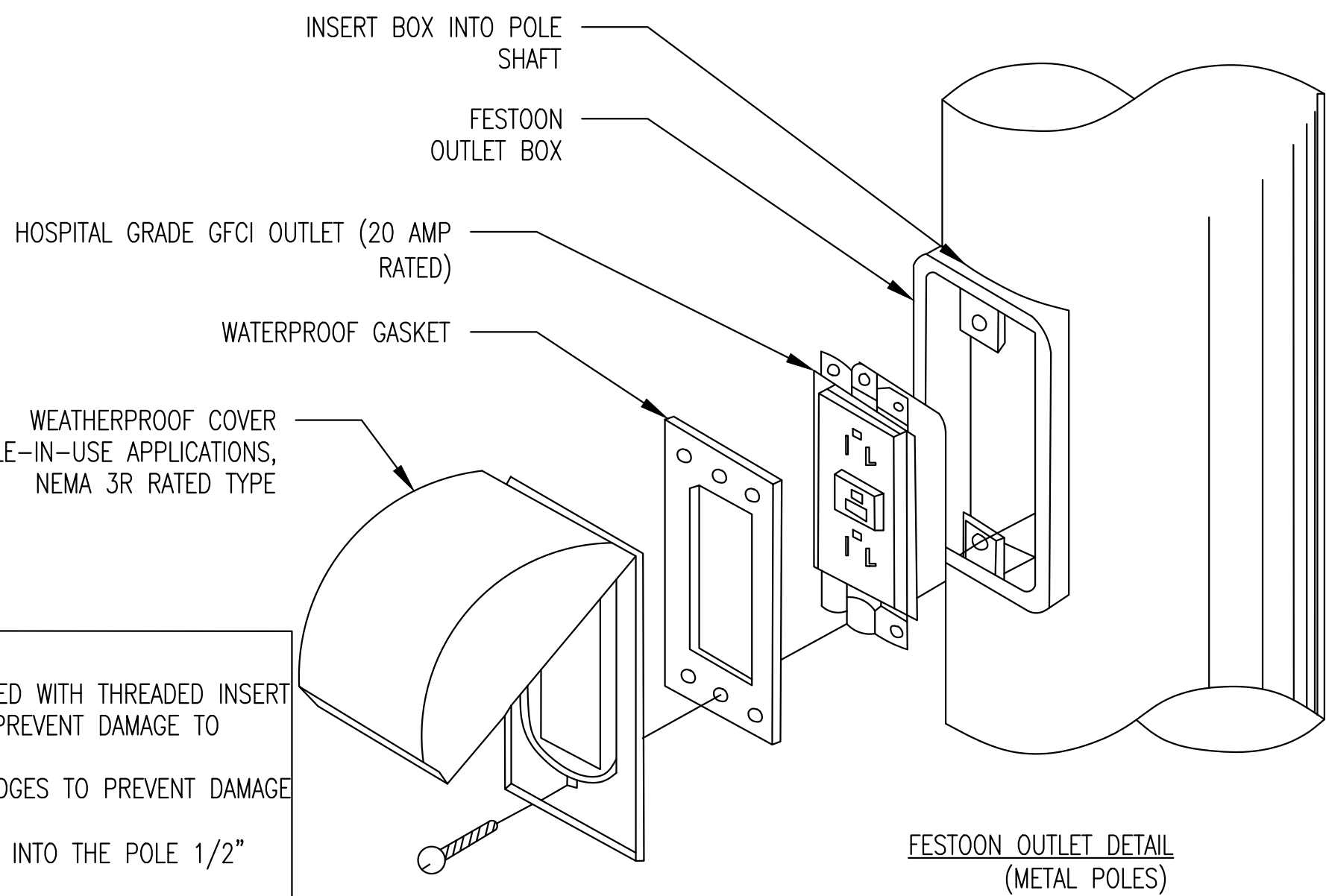
CONDUITS AT TOP OF PIER



FOUNDATION

- NOTES:
1. ALL OUTLETS MUST BE PLUGGED WITH THREADED INSERT PLUGS DURING SHIPMENT TO PREVENT DAMAGE TO PLUGS.
 2. REMOVE BURRS AND SHARP EDGES TO PREVENT DAMAGE TO ELECTRICAL CABLE.
 3. SPLIT COUPLING MUST EXTEND INTO THE POLE 1/2\"/>

FESTOON DETAIL



LETS AMERICA, INC POLE DESIGN

1. REFERENCE ATTACHED PDF (~SEA Aladdin Street Lights-CSB - NoExceptionsApproval - 3.16.20) FOR ENGINEERING STAMP AND APPROVAL.

PROJECT ENGINEER STAMP

NO.	DATE	ENGINEER	DRAFTER	COMMENT
3				AS-BUILT
2	2/17/21	KW	KAW	REVISION # 4
1	3/23/20	MF	DDS	ORIGINAL

MasTec Network Solutions	MGC TECHNICAL CONSULTING INC.
CLIENT PROJECT MANAGER: GIN VILANTE	
ENGINEERING FIRM: MGC TECHNICAL CONSULTING INC.	
PROJECT NUMBER: 15586-023-E PERMIT #:421117	
LOCATION: 515 2ND AVE SEATTLE, WA 98104	
DRAWING NAME: MASTEC - 15586-023-E - PLANS.dwg	
CONFIDENTIAL/PROPRIETARY	

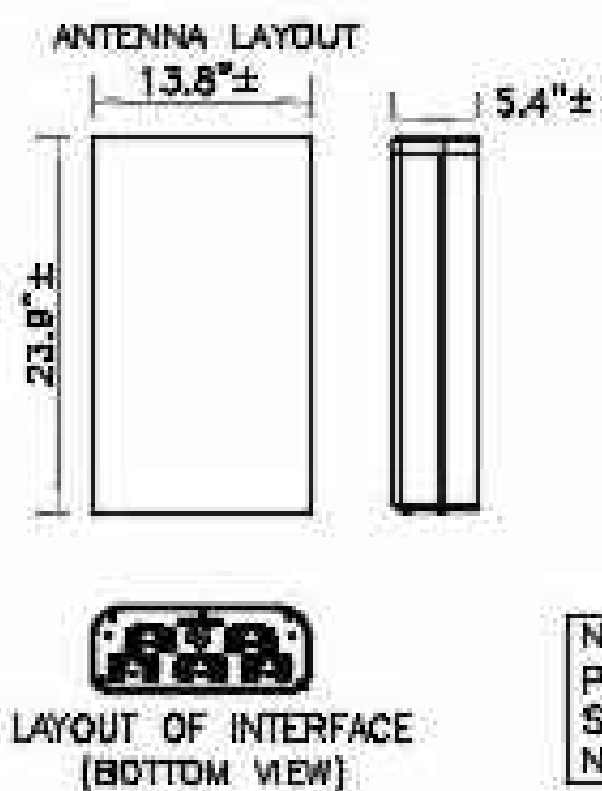
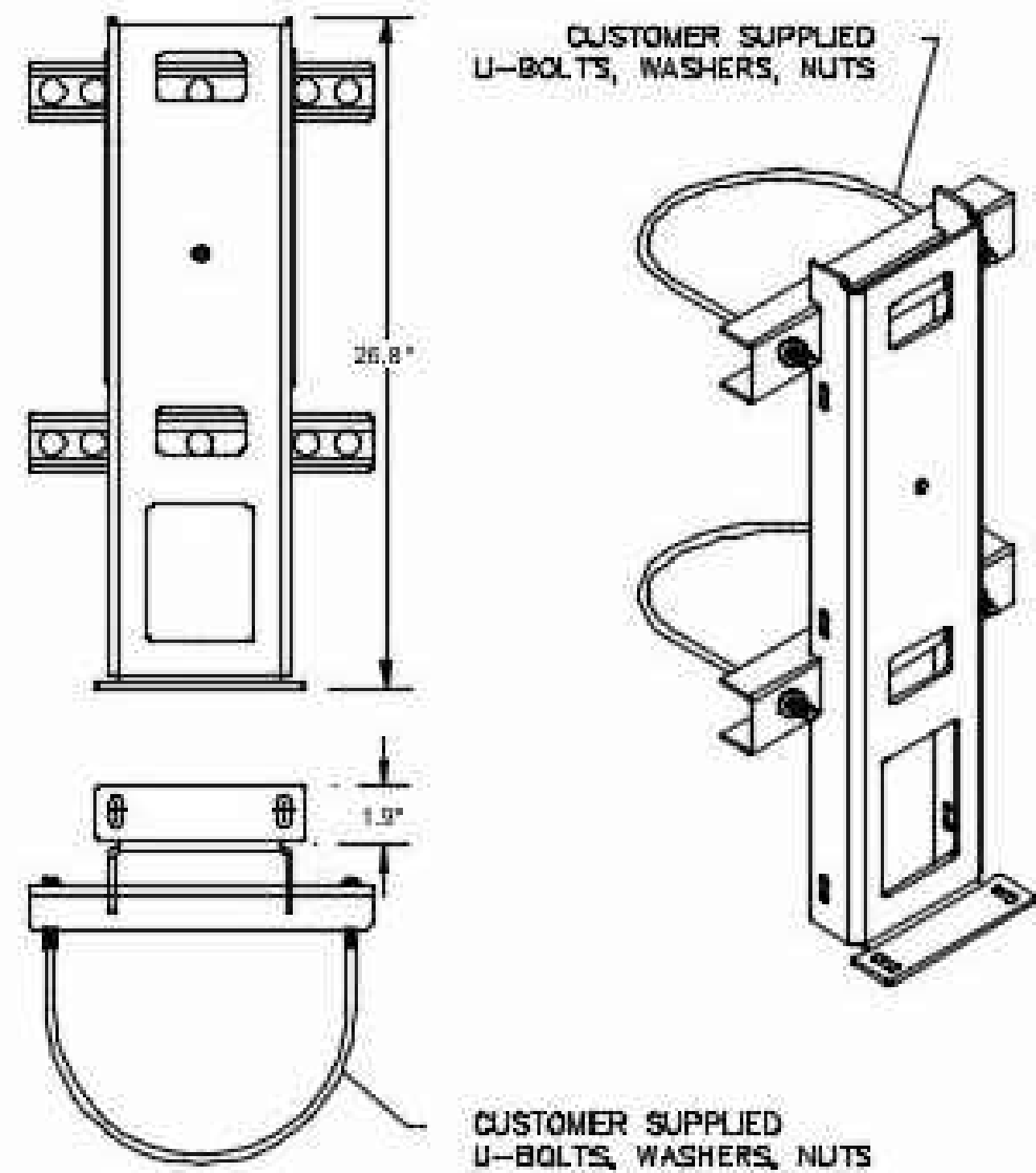


Know what's below.
Call before you dig.

SHEET: 12 OF 27

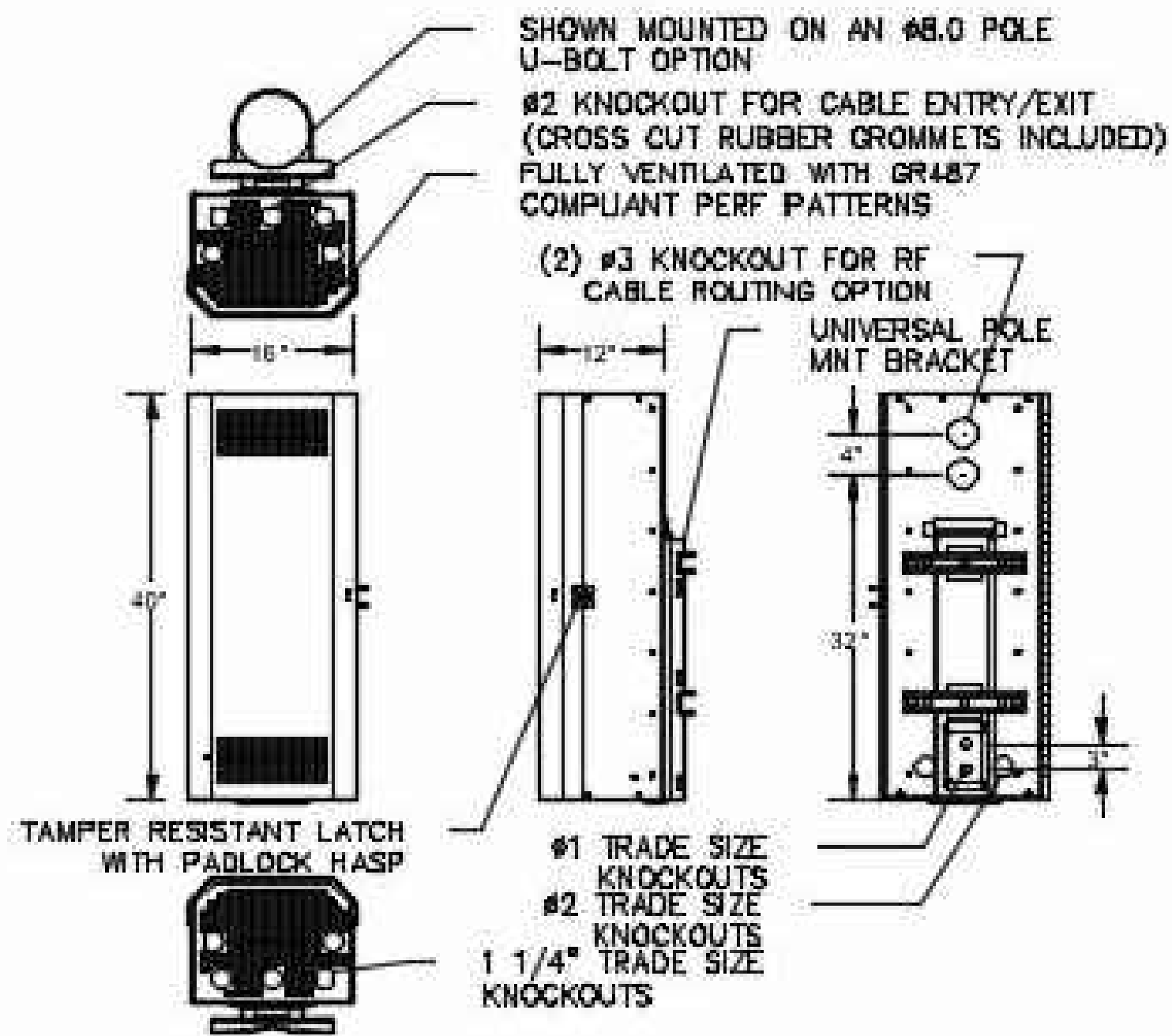
EQUIPMENT DETAILS

ROSENBERGER-BA-A10303T3T3VJX65F-06
SMALL/MICRO PANEL ANTENNA (3G/4G/5G)

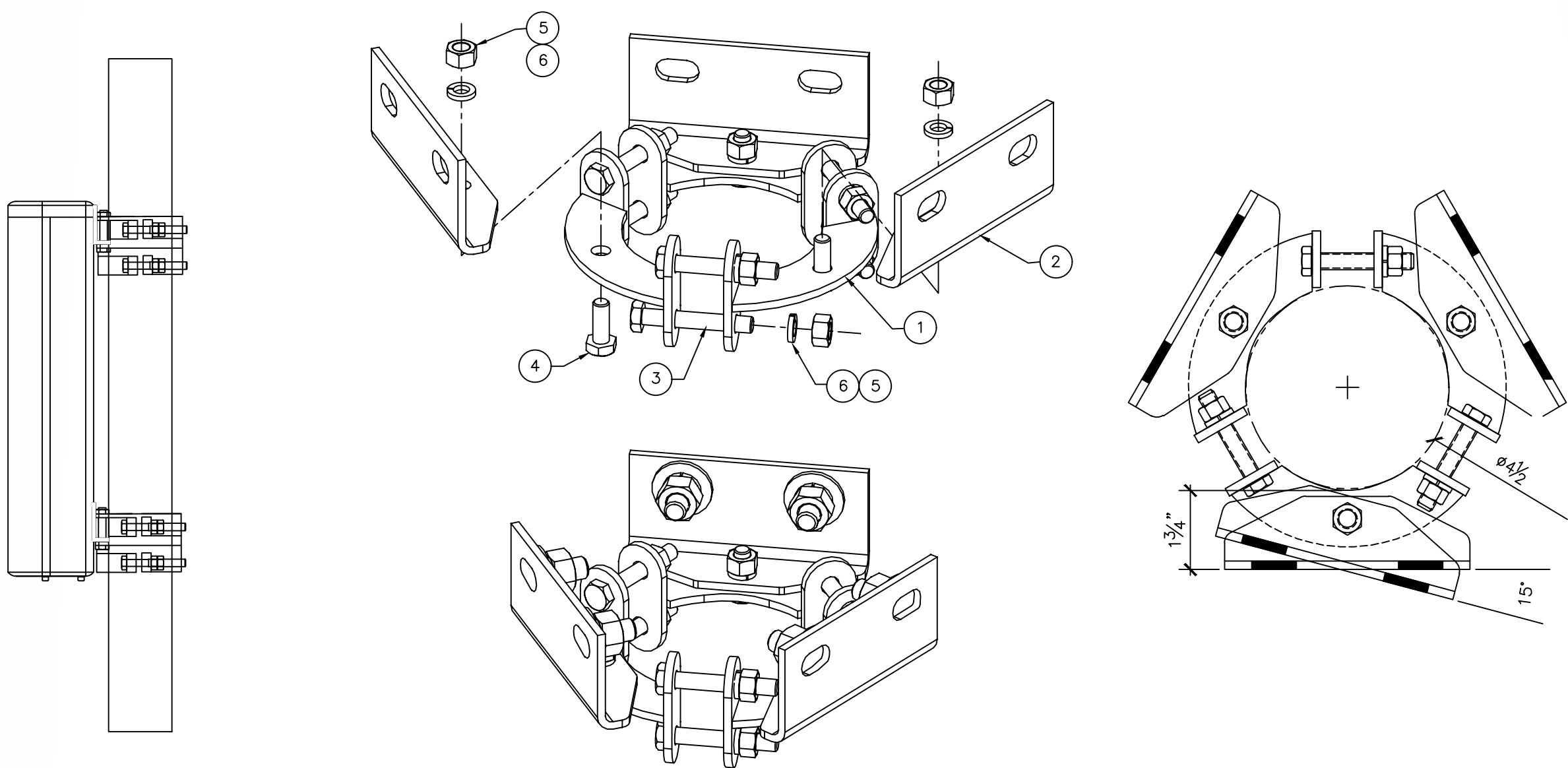


ANTENNA DETAIL
SCALE: NTS

UNIVERSAL POLE MOUNT KIT DETAIL
SCALE: NTS



PICO EQUIPMENT ENCLOSURE DETAIL
SCALE: NTS



PARTS LIST							SHIP WT ≈ 10.2 LBS
ITEM #	SHIP QTY	SHIP MARK	PC MARK	PC QTY	DESCRIPTION	LENGTH	REMARKS
1	6	TS-PM-3545-1		-	1/3 CLAMP WELDMENT	0'-5 7/16"	
2	6	TS-PM-3545-2		-	MOUNT PIPE ADAPTER (2 3/8"-2 1/8" O.D.)	0'-5 1/16"	FORMED
HARDWARE							
3	-		BG-38-225	12	Ø 3/8"x2 1/4" GALV. GR.5 BOLT		
4	-		BG-38-125	18	Ø 3/8"x1 1/4" GALV. GR.5 BOLT		
5	-		NG-38	18	Ø 3/8" GALV. NUT		
6	-		WLG-38	18	Ø 3/8" GALV. LOCK WASHER		

RADIO MOUNT MOUNT DETAIL
SCALE: NTS

PROJECT ENGINEER STAMP

3				AS-BUILT
2	2/17/21	KW	KAW	REVISION # 4
1	3/23/20	MF	DDS	ORIGINAL
NO.	DATE	ENGINEER	DRAFTER	COMMENT

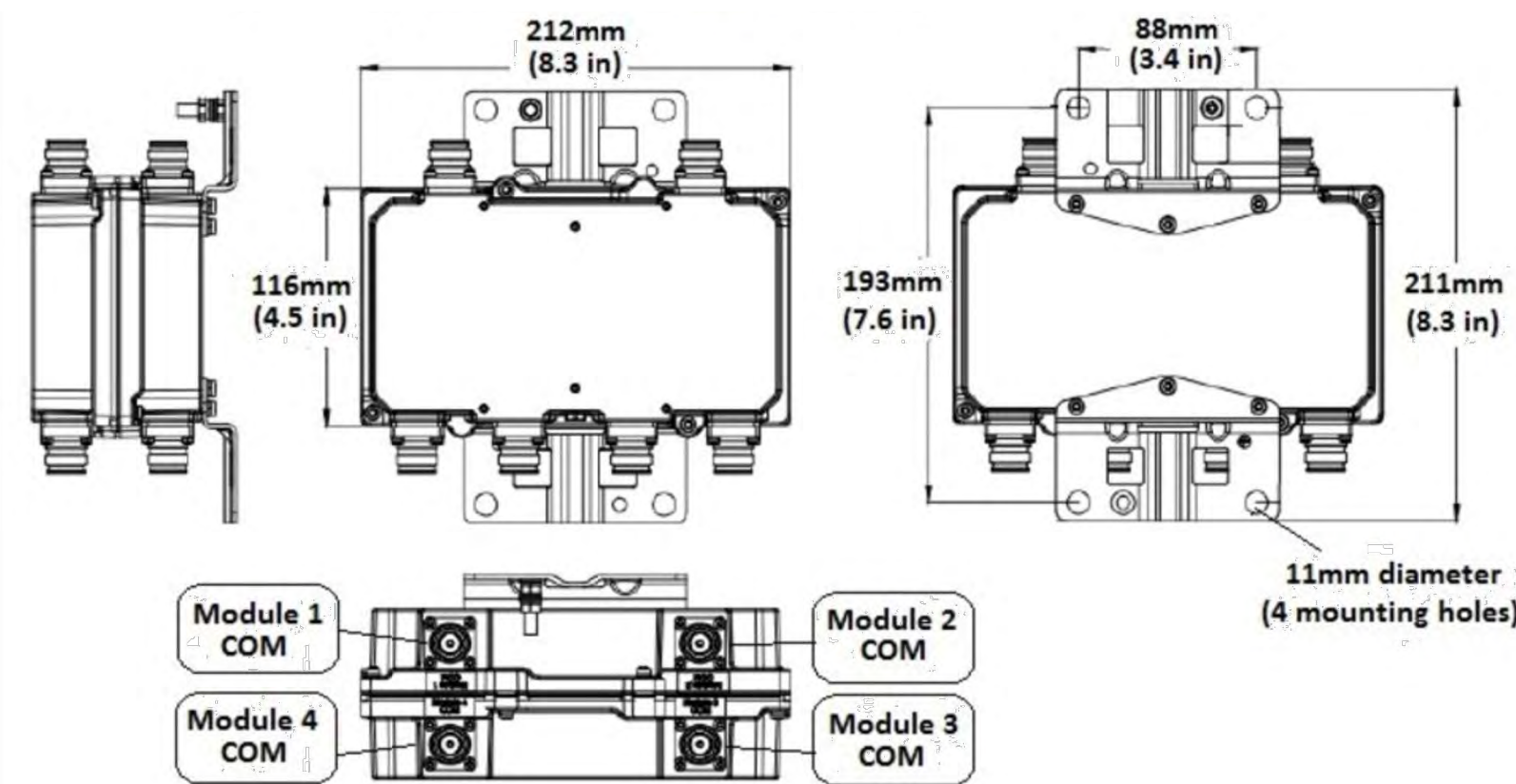


CLIENT PROJECT MANAGER: GIN VILANTE
ENGINEERING FIRM: MGC TECHNICAL CONSULTING INC.
PROJECT NUMBER: 15586-023-E PERMIT #:421117
LOCATION: 515 2ND AVE
SEATTLE, WA 98104
DRAWING NAME: MASTEC - 15586-023-E - PLANS.dwg

CONFIDENTIAL/PROPRIETARY SHEET: 13 OF 27



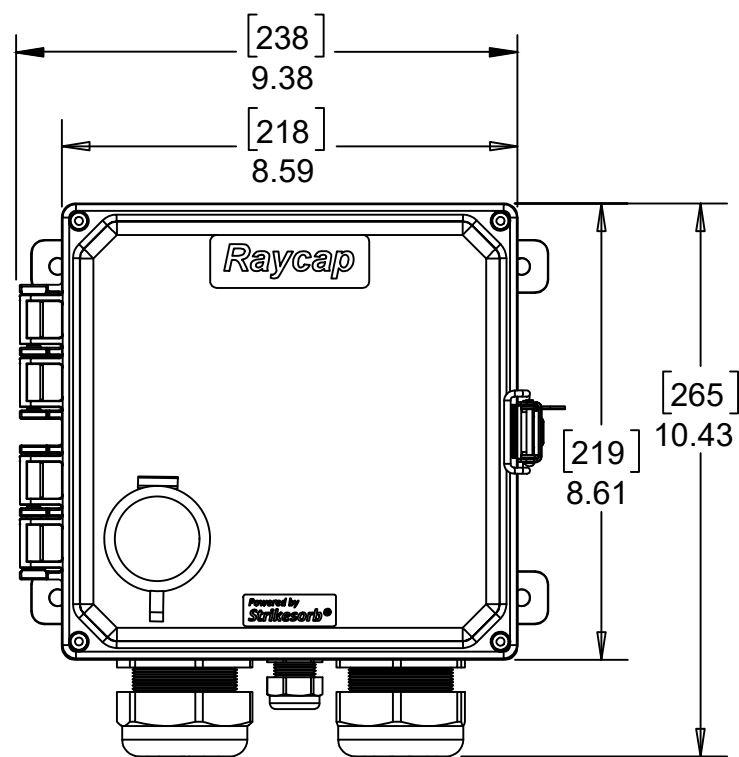
EQUIPMENT DETAILS



COMBINER/ DIPLEXER
MANUFACTURER: COMMScope
PART NUMBER: CBC1923Q-43 E14F55P12
WEIGHT: 7.275 LBS
DIMENSIONS (LXWXH): 3.307" X 8.346" X 4.567"

COMBINER DETAIL

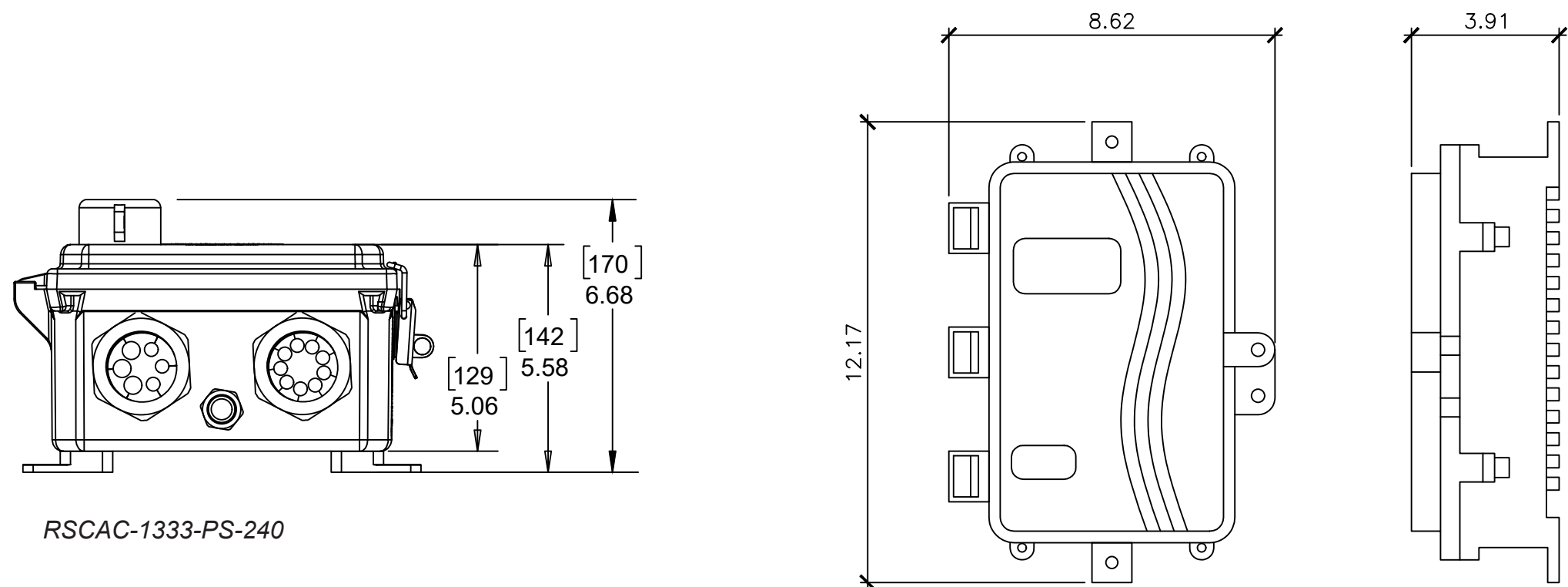
SCALE: NTS



SURGE SUPPRESSION BOX
MANUFACTURER: RAYCAP
PART NUMBER: RSCAC-1333-PS-240
WEIGHT: 8.00 LBS
DIMENSIONS (LXWXH): 8.59" X 9.46" X 10.43"

AC DISCONNECT/SURGE PROTECTOR DETAIL

SCALE: NTS



MANUFACTURER: FIELD SMART FIBER DELIVERY POINT (FDP)
MODEL: FDP--xWB1 | FDP--xAK1
HEIGHT: 12.17"
WIDTH: 8.62"
DEPTH: 3.91"

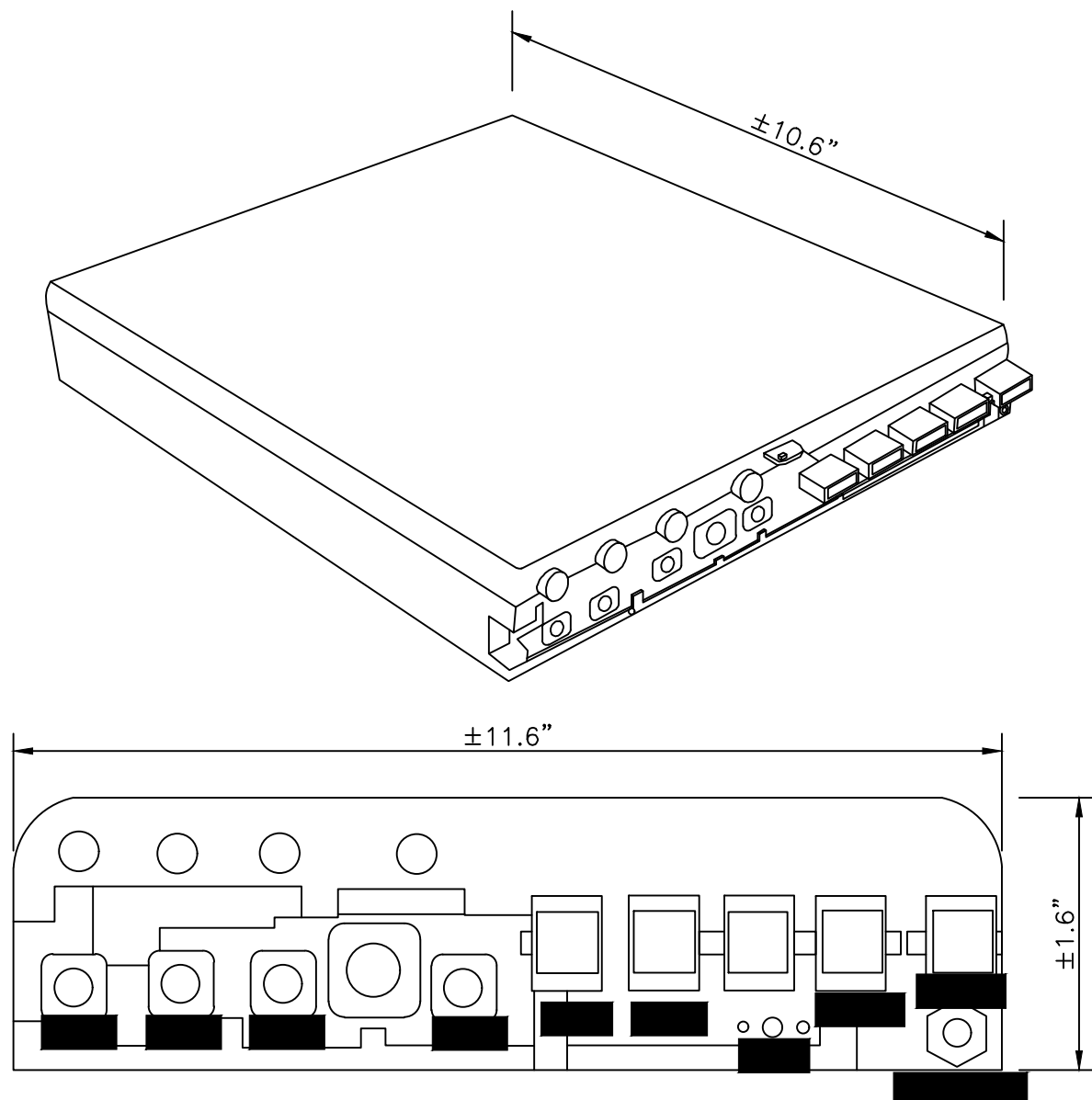
FIBER DELIVERY POINT DETAIL

SCALE: NTS



Know what's below.
Call before you dig.

B25 AIRSCALE RRH 4T/4R 20W (AHFB)
MANUFACTURER: NOKIA
PHYSICAL SIZE: DC: <4L/~5.5Kg AC: <4.5L/6.5Kg
INTERFACE: 2 CPRI PORTS FOR FRONT-HAUL (2X9.8 GB/S)
INPUT POWER: DC: -40.5V TO -57V
AC: 80V TO 276V

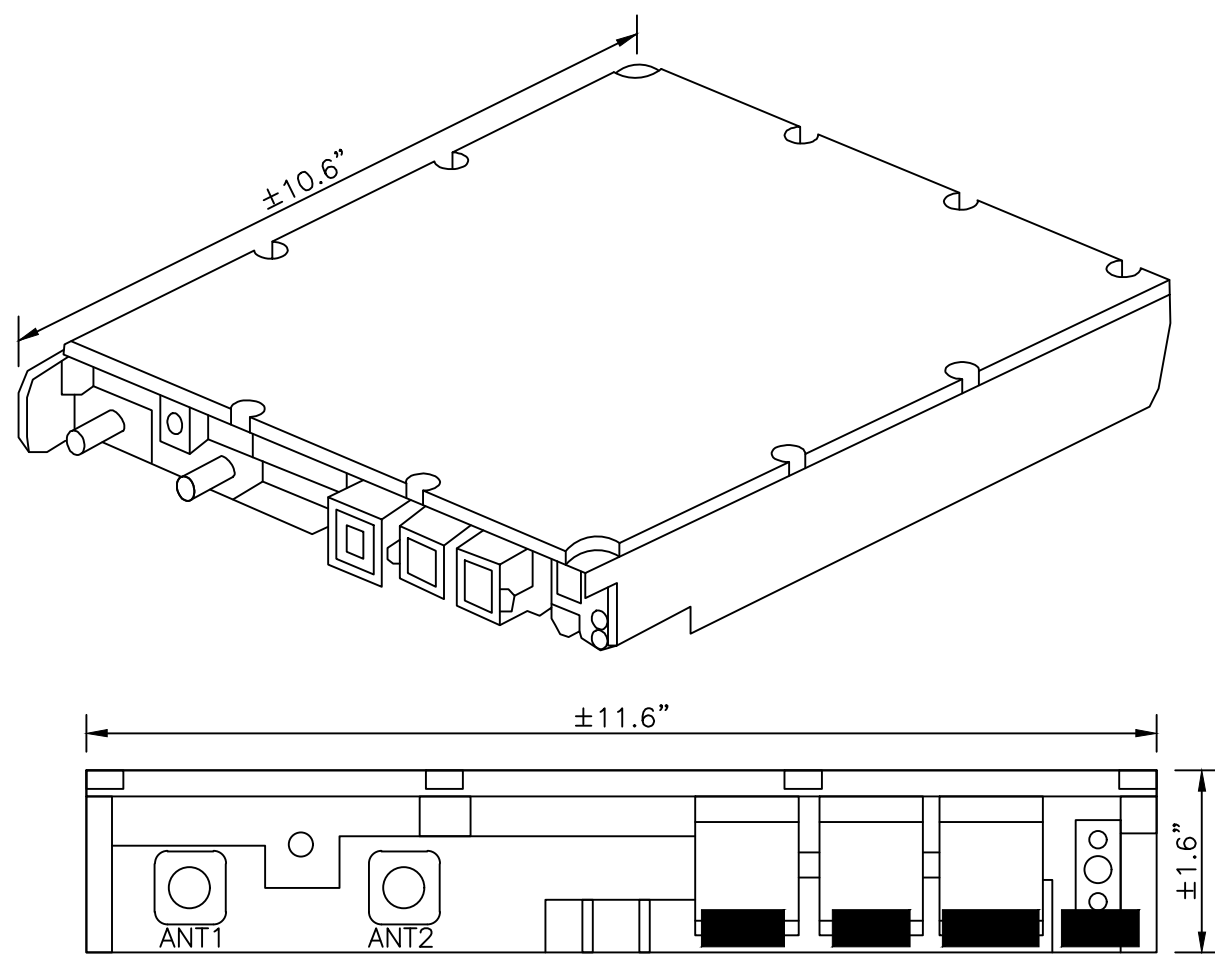


RADIO DETAIL (B25)

BOTTOM VIEW

SCALE: NTS

B46 AIRSCALE RRH FOR LAA (AZRA)
MANUFACTURER: NOKIA
PHYSICAL SIZE: DC: 4L/5 KG; AC 4.5L/5.7KG
INTERFACE: 2 CPRI PORTS FOR FRONT-HAUL (2X9.8 GB/S)
INPUT POWER: DC: -40.5V YO -57V
AC: 80V TO 276V

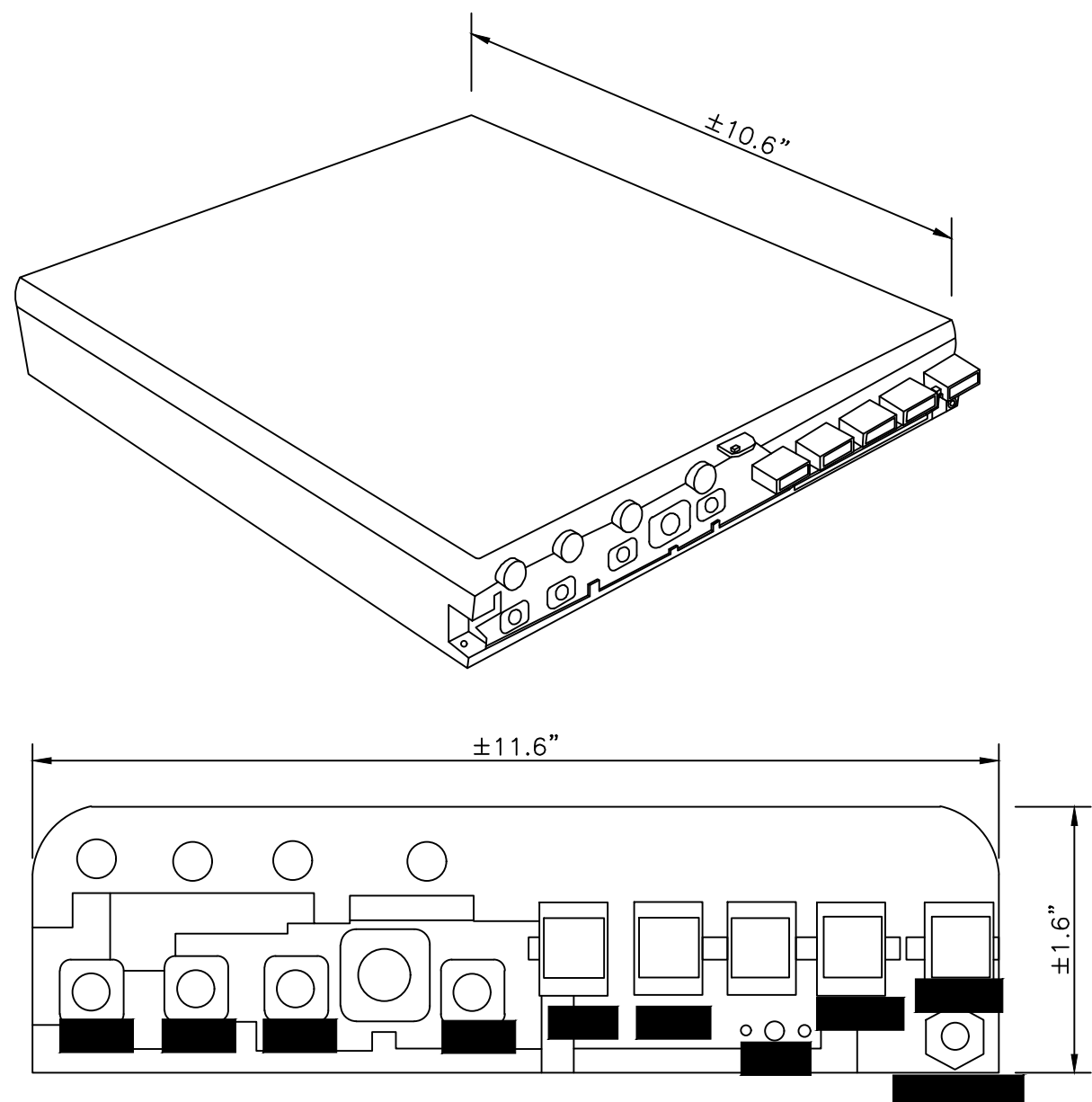


RADIO DETAIL (B46)

BOTTOM VIEW

SCALE: NTS

B66 AIRSCALE RRH 4TH/4R 20W (AHIB)
MANUFACTURER: NOKIA
PHYSICAL SIZE: DC: <4L/~5.5Kg AC: <4.5L/6.5Kg
INTERFACE: 2 CPRI PORTS FOR FRONT-HAUL (2X9.8 GB/S)
INPUT POWER: DC: -40.5V TO -57V
AC: 80V TO 276V



RADIO DETAIL (B66)

BOTTOM VIEW

SCALE: NTS

PROJECT ENGINEER STAMP

3				AS-BUILT
2	2/17/21	KW	KAW	REVISION # 4
1	3/23/20	MF	DDS	ORIGINAL
NO.	DATE	ENGINEER	DRAFTER	COMMENT

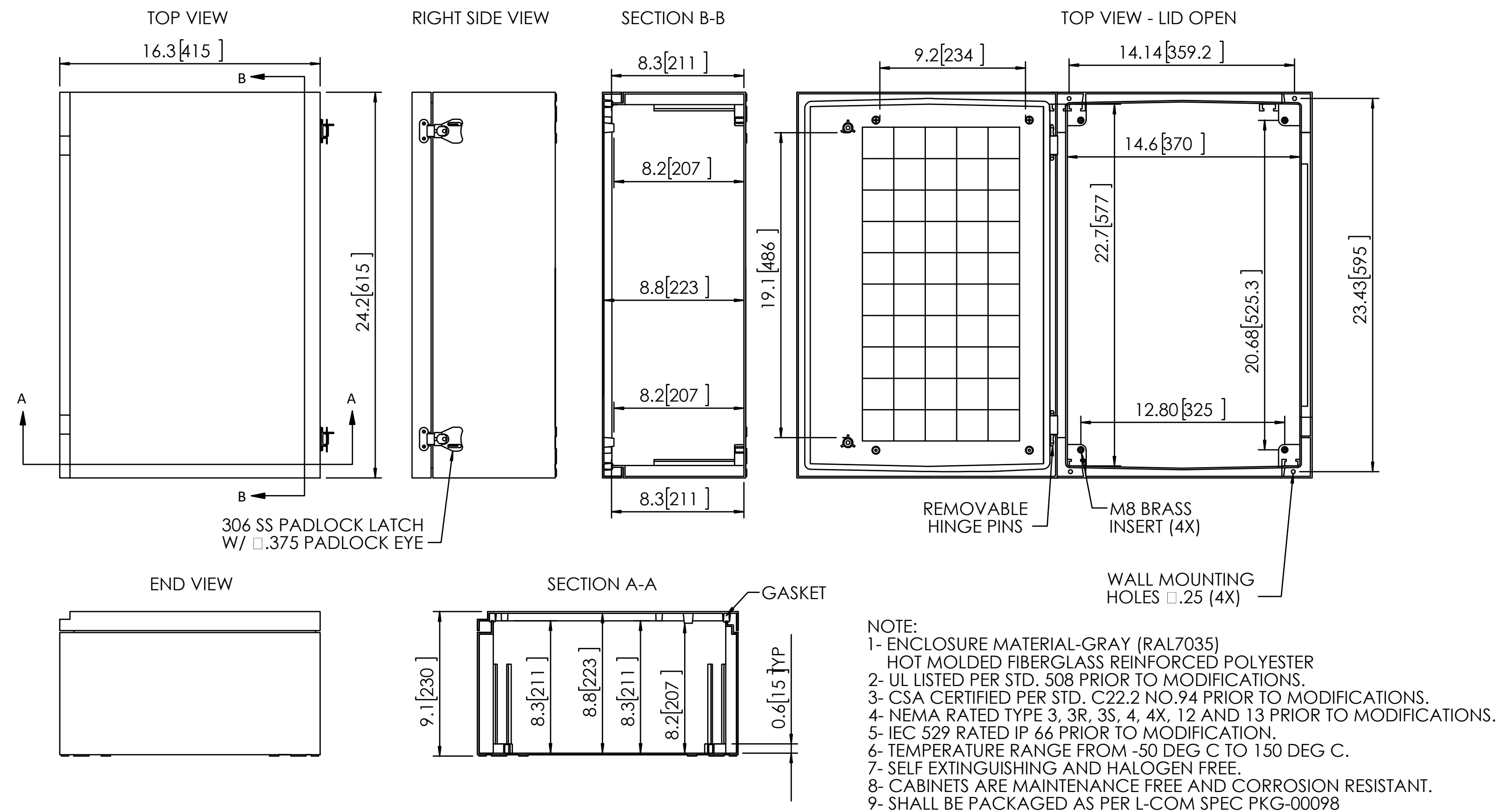


CLIENT PROJECT MANAGER: GIN VILANTE
ENGINEERING FIRM: MGC TECHNICAL CONSULTING INC.
PROJECT NUMBER: 15586-023-E PERMIT #:421117
LOCATION: 515 2ND AVE
SEATTLE, WA 98104
DRAWING NAME: MASTEC - 15586-023-E - PLANS.dwg

CONFIDENTIAL/PROPRIETARY

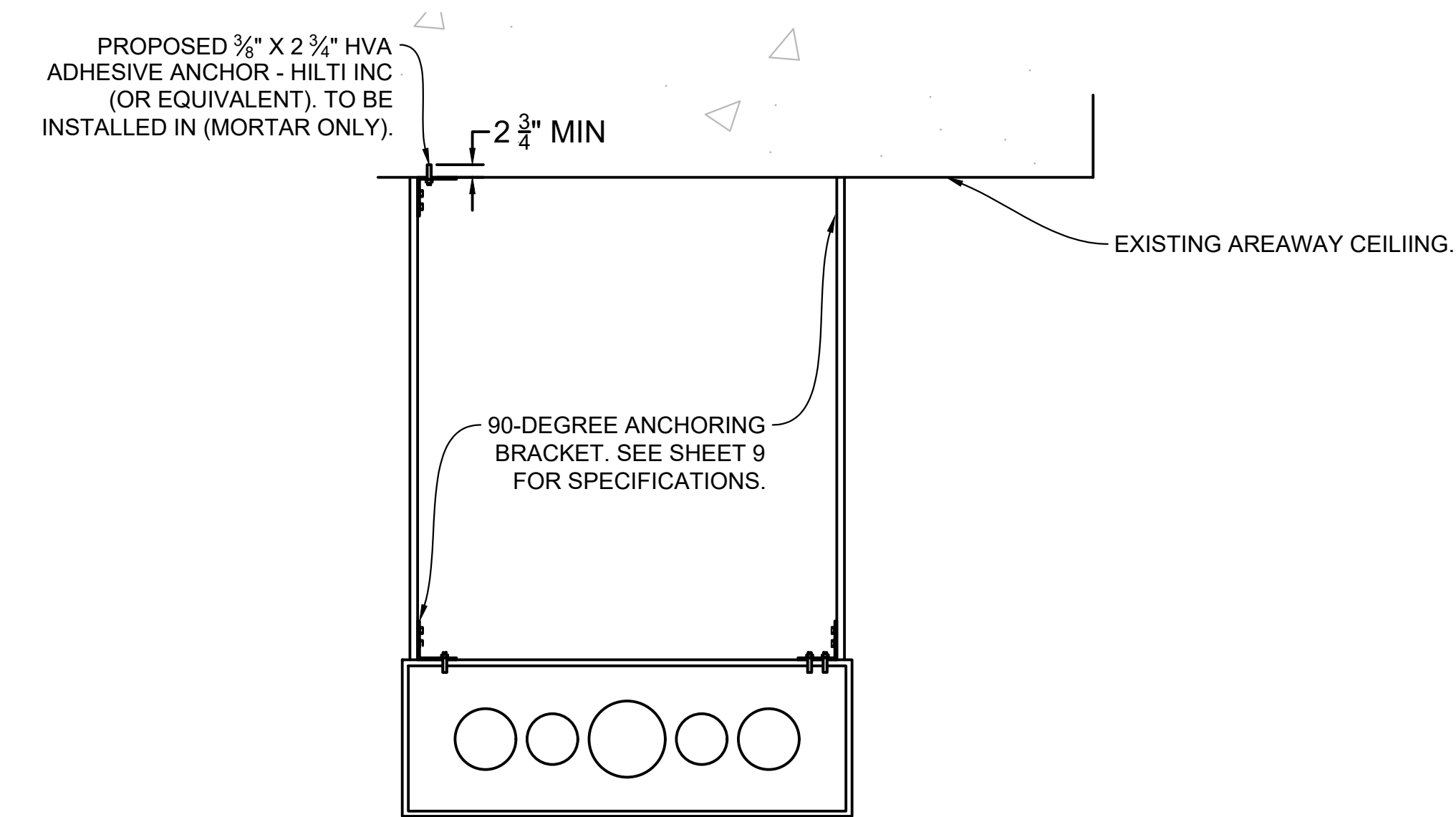
SHEET: 14 OF 27

UNDERGROUND DETAILS



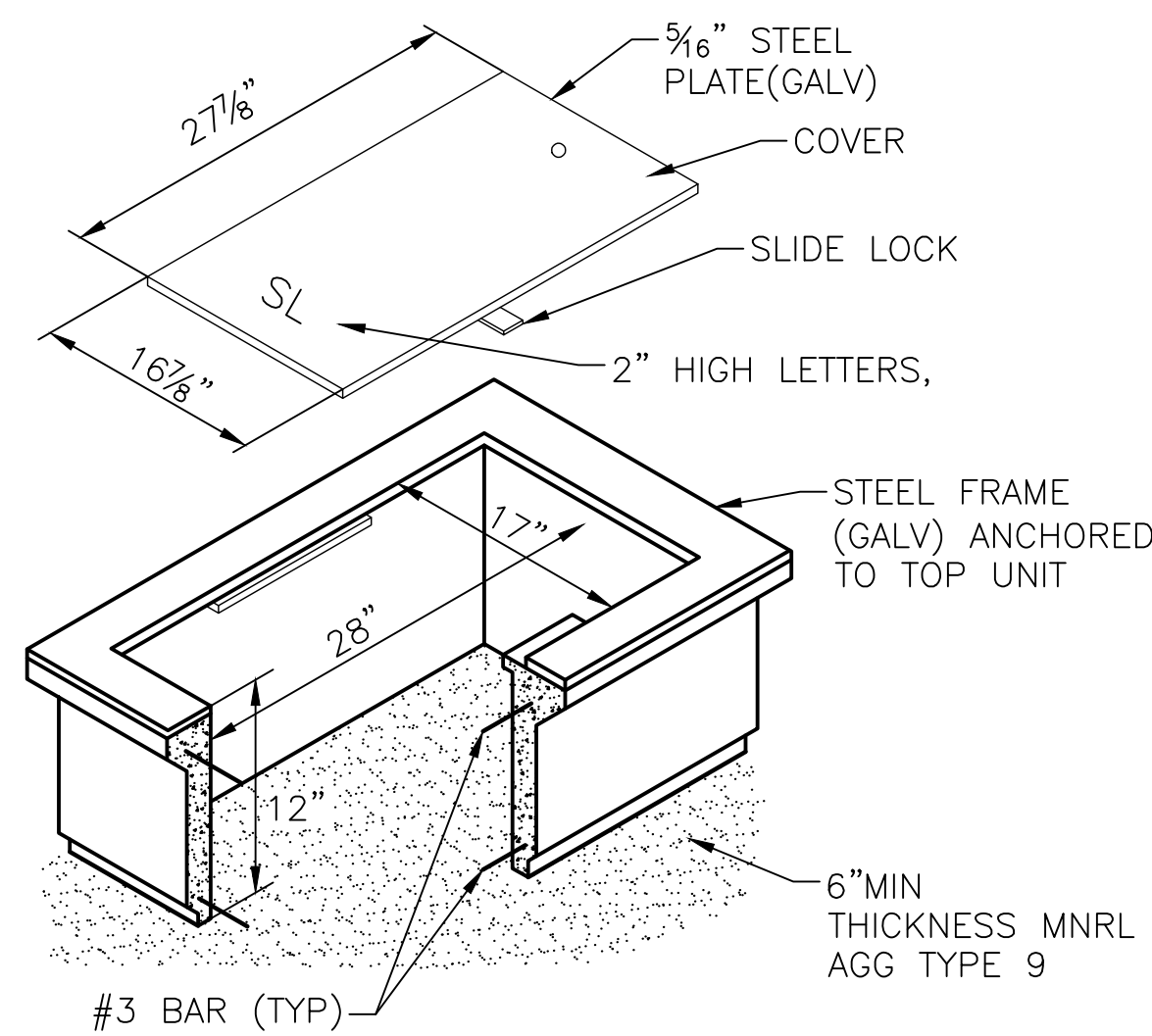
NEMA ENCLOSURE 24 X16 X 9 DETAIL

SCALE: NTS



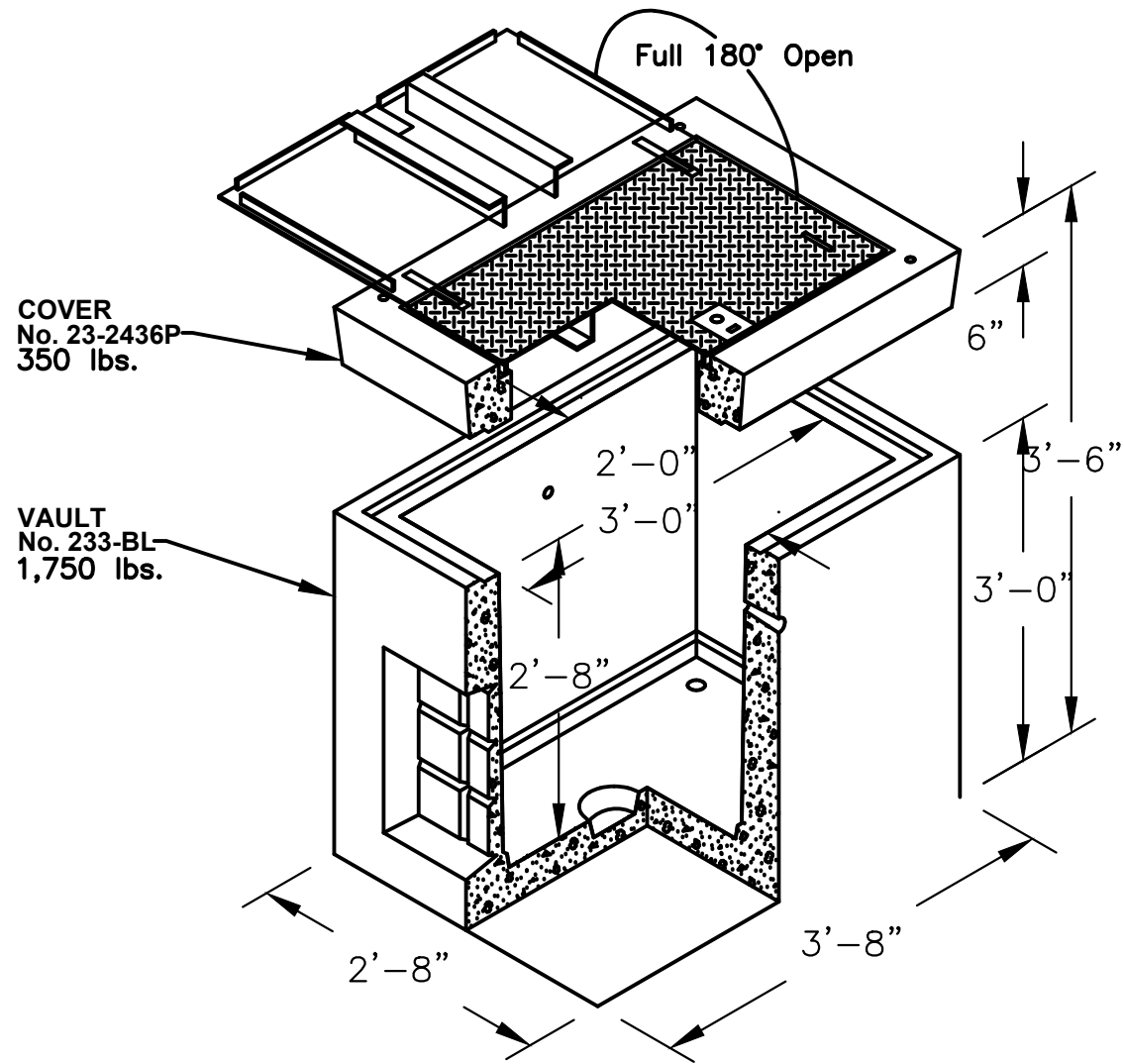
TYPICAL - PULL BOX ATTACHMENT DETAIL

SCALE: NTS



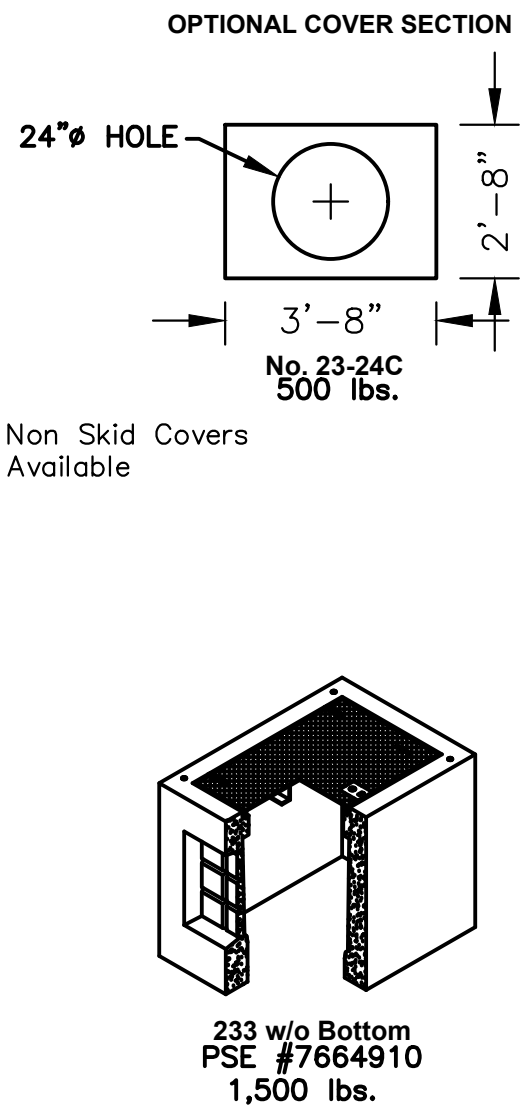
TYPE 2 HANDHOLE DETAIL

SCALE: NTS



233LA HANDHOLE DETAIL

SCALE: NTS



PROJECT ENGINEER STAMP

NO.	DATE	ENGINEER	DRAFTER	COMMENT
3				AS-BUILT
2	2/17/21	KW	KAW	REVISION # 4
1	3/23/20	MF	DDS	ORIGINAL



CLIENT PROJECT MANAGER: GIN VILANTE
ENGINEERING FIRM: MGC TECHNICAL CONSULTING INC.
PROJECT NUMBER: 15586-023-E PERMIT #:421117
LOCATION: 515 2ND AVE
SEATTLE, WA 98104
DRAWING NAME: MASTEC - 15586-023-E - PLANS.dwg

CONFIDENTIAL/PROPRIETARY

SHEET: 15 OF 27



Know what's below.
Call before you dig.

SITE PHOTOGRAPHS

CONSTRUCTION NOTES

1. COORDINATE WITH STREETLIGHT CREW FOR SERVICE DISCONNECTION FROM MH 126-M-1 TO ASSET#1313162.
4. EXISTING SCL VAULT 126-M-1, CONTRACTOR TO CORE VAULT AND INSTALL CONDUIT PER SCL CONSTRUCTION STANDARD 7020.05.
5. CONTRACTOR TO TRENCH AND REMOVE EXISTING CONDUIT. INSTALL (2) 3" RGS CONDUIT FROM MH 126-M-1 TO 126-H-2. INSTALL PER SCL CONSTRUCTION STANDARD 0095.60 AND 1716.07.
6. CONTRACTOR TO REPLACE HH 126-H-2 WITH (1) NEW TYPE-5 SL HH PER COS STD PLAN 550A AND SCL CONSTRUCTION STANDARD 1716.07.
7. CONTRACTOR TO INSTALL (1) 3-1/2" RGS CONDUIT FROM EXISTING 3-1/2" RGS TO J-BOX-2. INSTALL PER SCL CONSTRUCTION STANDARDS 0095.60 AND 1716.07.
8. PULL THROUGH EXISTING (1) 3-1/2" RGS CONDUIT. FROM NEWLY INSTALLED TYP5 5 HH TO NEWLY INSTALLED 3-1/2" RGS.
9. CONTRACTOR TO RE-ROUTE EXISTING CONDUIT FROM POLE BASE TO NEWLY-INSTALLED HH.
11. CONTRACTOR TO INSTALL (1) NEW NEMA 4X STAINLESS STEEL J-BOX SIMILAR IN SIZE TO TYPE-2 HH. INTERCEPT EXISTING CONDUIT. MOUNTING OF J-BOX TO BE APPROVED BY STRUCTURAL ENGINEER AND SDOT IN AREA WAY.
12. CONTRACTOR TO INSTALL (2) 2" RGS CONDUIT FROM J-BOX-3 TO J-BOX-4. INSTALL PER SCL CONSTRUCTION STANDARD 0095.60 AND 1716.07.

1. EXISTING CONDUIT AND PULL BOXES TO BE BROUGHT UP TO SDOT AND SCL STANDARDS TO MAINTAIN AREAWAY.

PROJECT ENGINEER STAMP

3				AS-BUILT
2	2/17/21	KW	KAW	REVISION # 4
1	3/23/20	MF	DDS	ORIGINAL
NO.	DATE	ENGINEER	DRAFTER	COMMENT



CLIENT PROJECT MANAGER: GIN VILANTE
ENGINEERING FIRM: MGC TECHNICAL CONSULTING INC.
PROJECT NUMBER: 15586-023-E PERMIT #:421117
LOCATION: 515 2ND AVE
SEATTLE, WA 98104
DRAWING NAME: MASTEC - 15586-023-E - PLANS.dwg

CONFIDENTIAL/PROPRIETARY

SHEET: 16 OF 27

PHOTO #1: FACING NE IN THE MIDDLE OF YESLER WAY

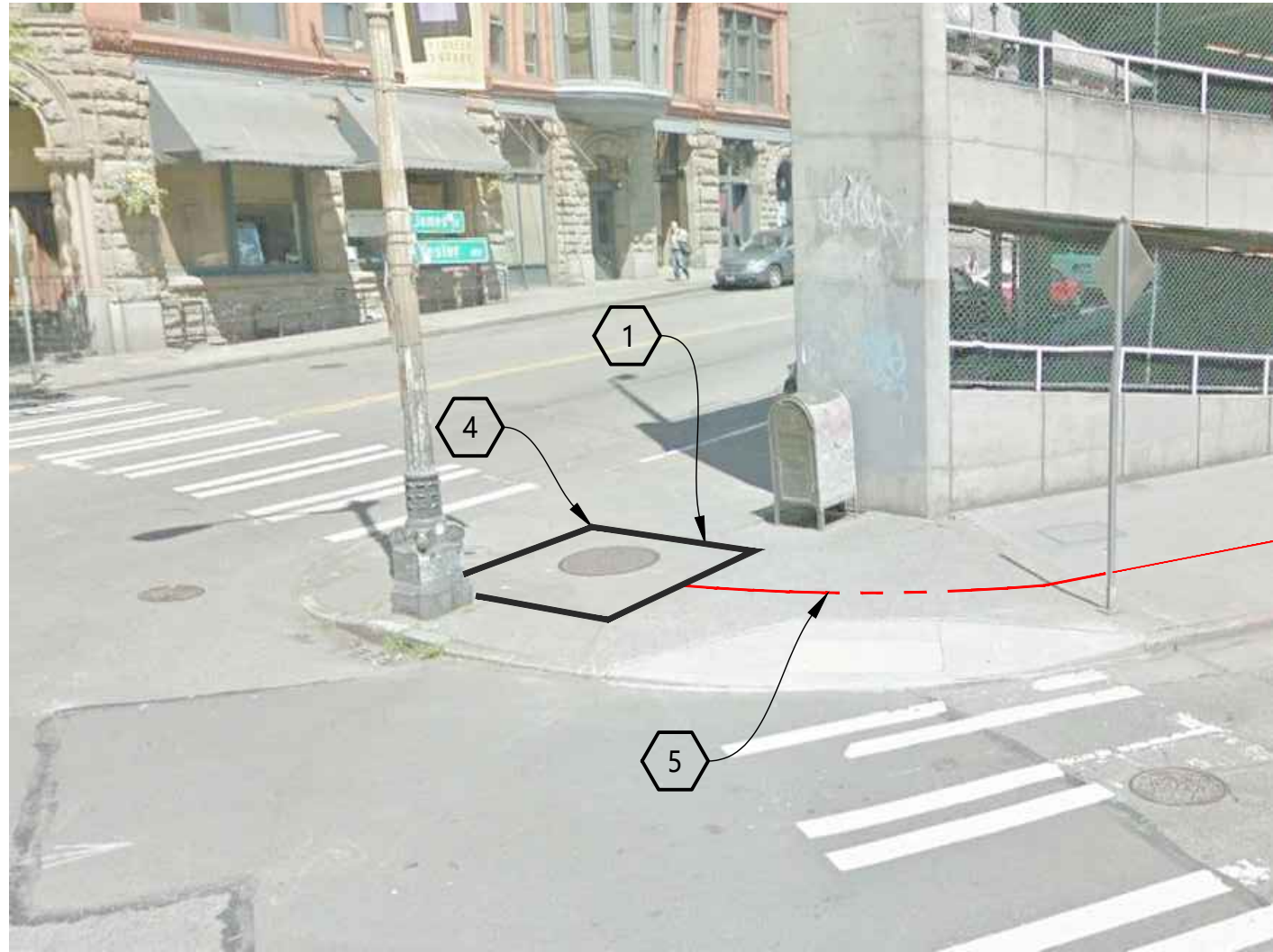


PHOTO #2: FACING EAST ON NORTH SIDE OF YESSLER WAY

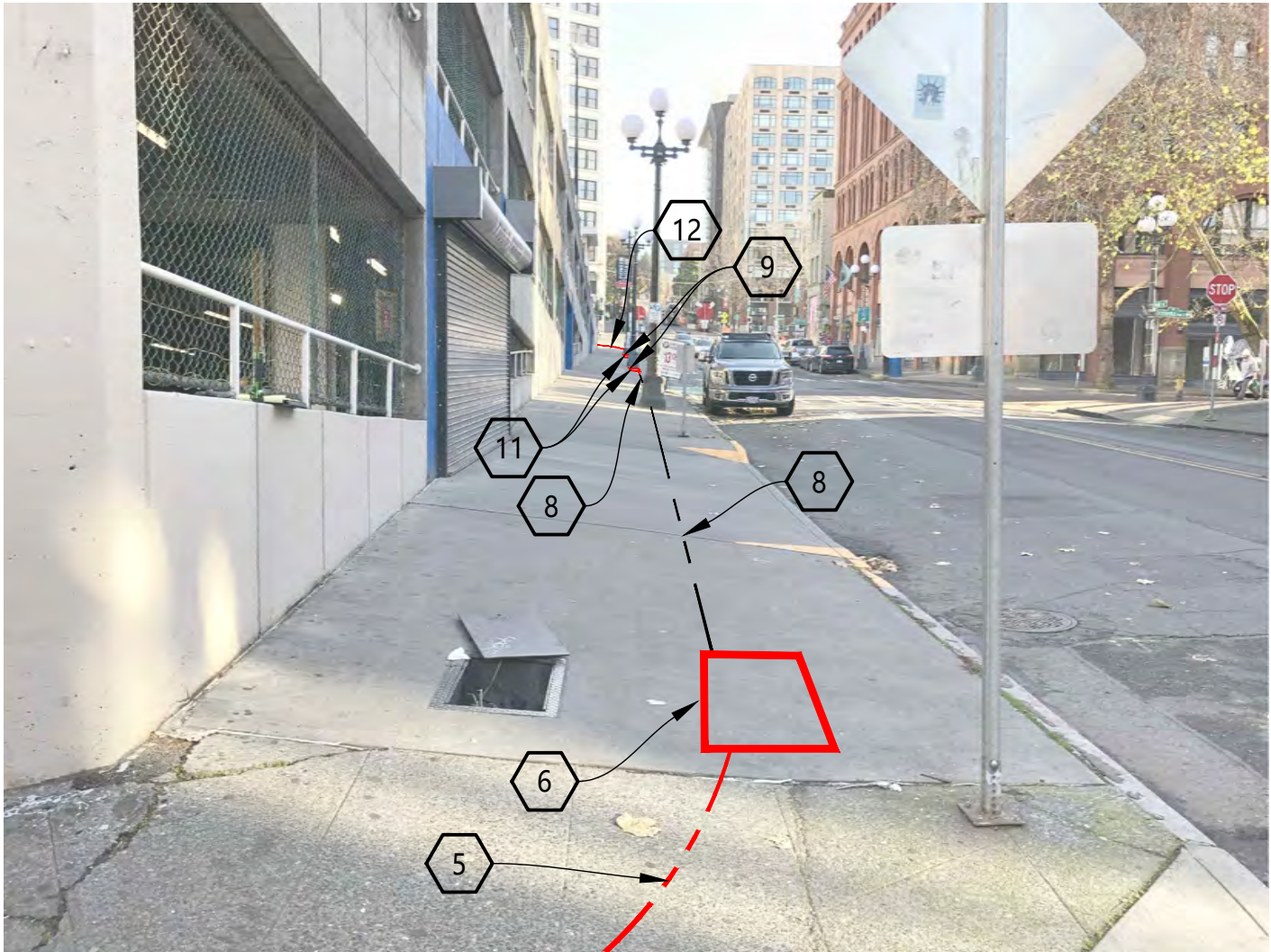


PHOTO #3: FACING WEST IN AREAWAY

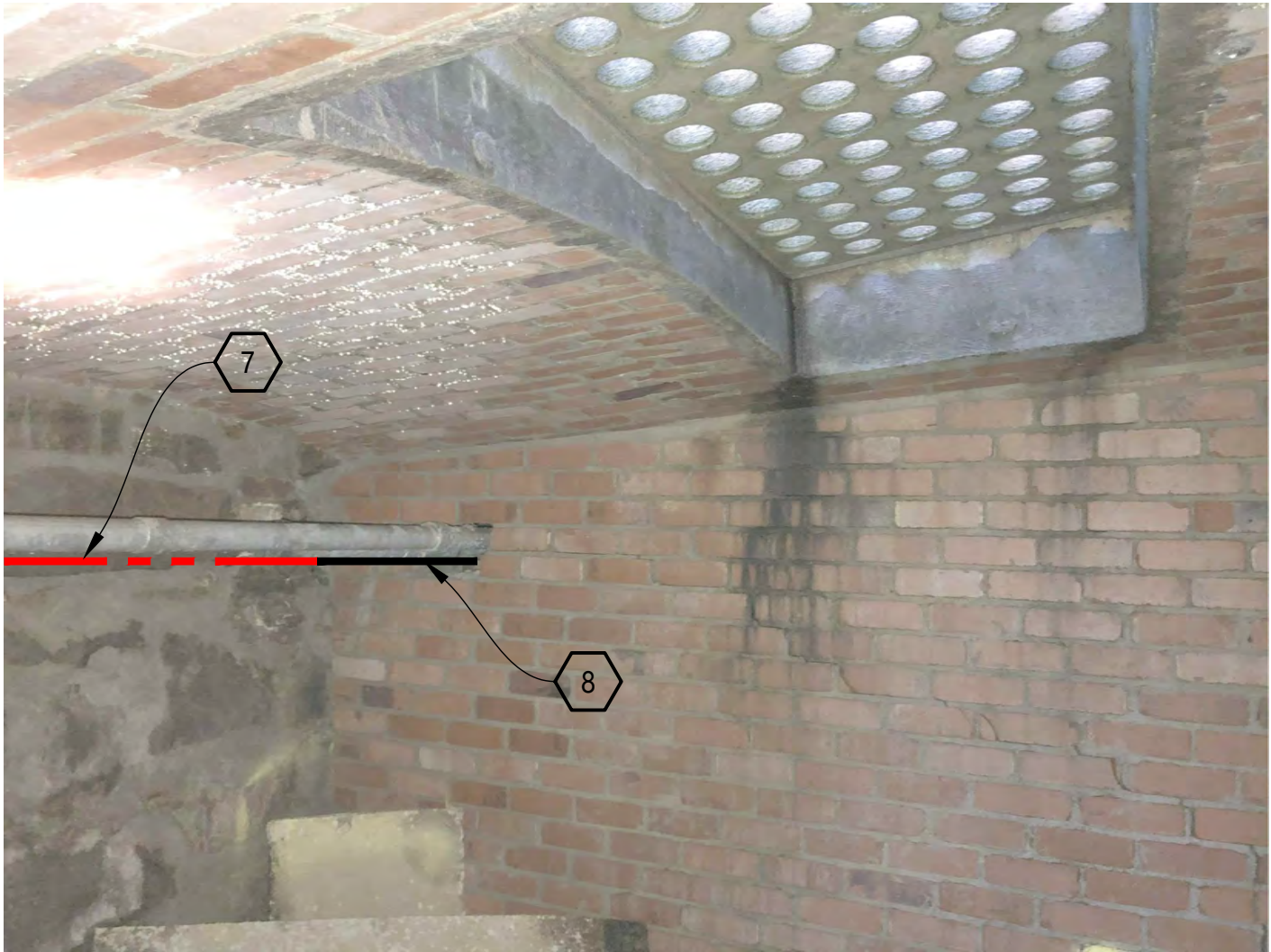


PHOTO #4: FACING EAST IN AREAWAY



PHOTO #5: FACING WEST IN AREAWAY

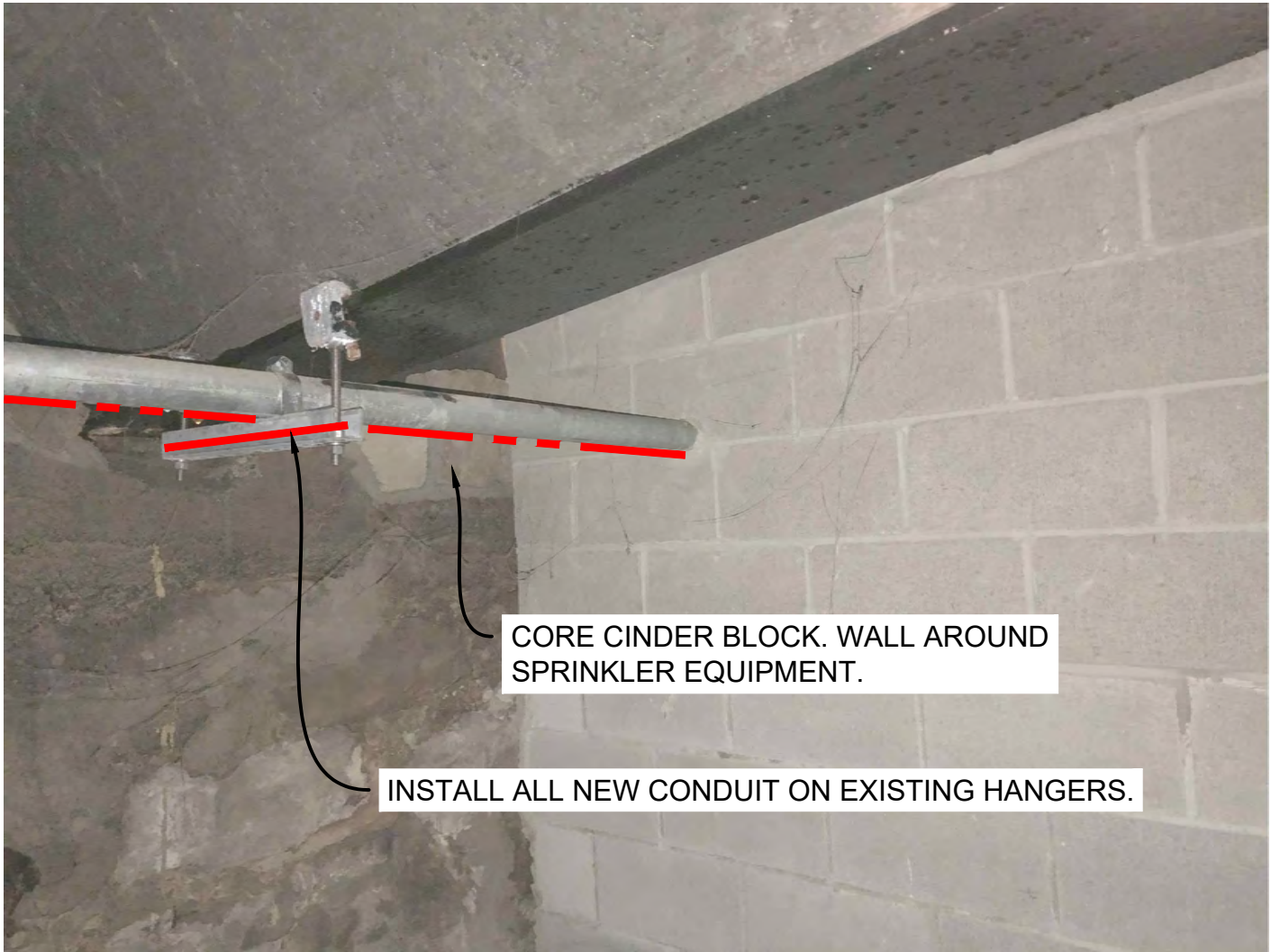


PHOTO #6: FACING EAST IN AREAWAY

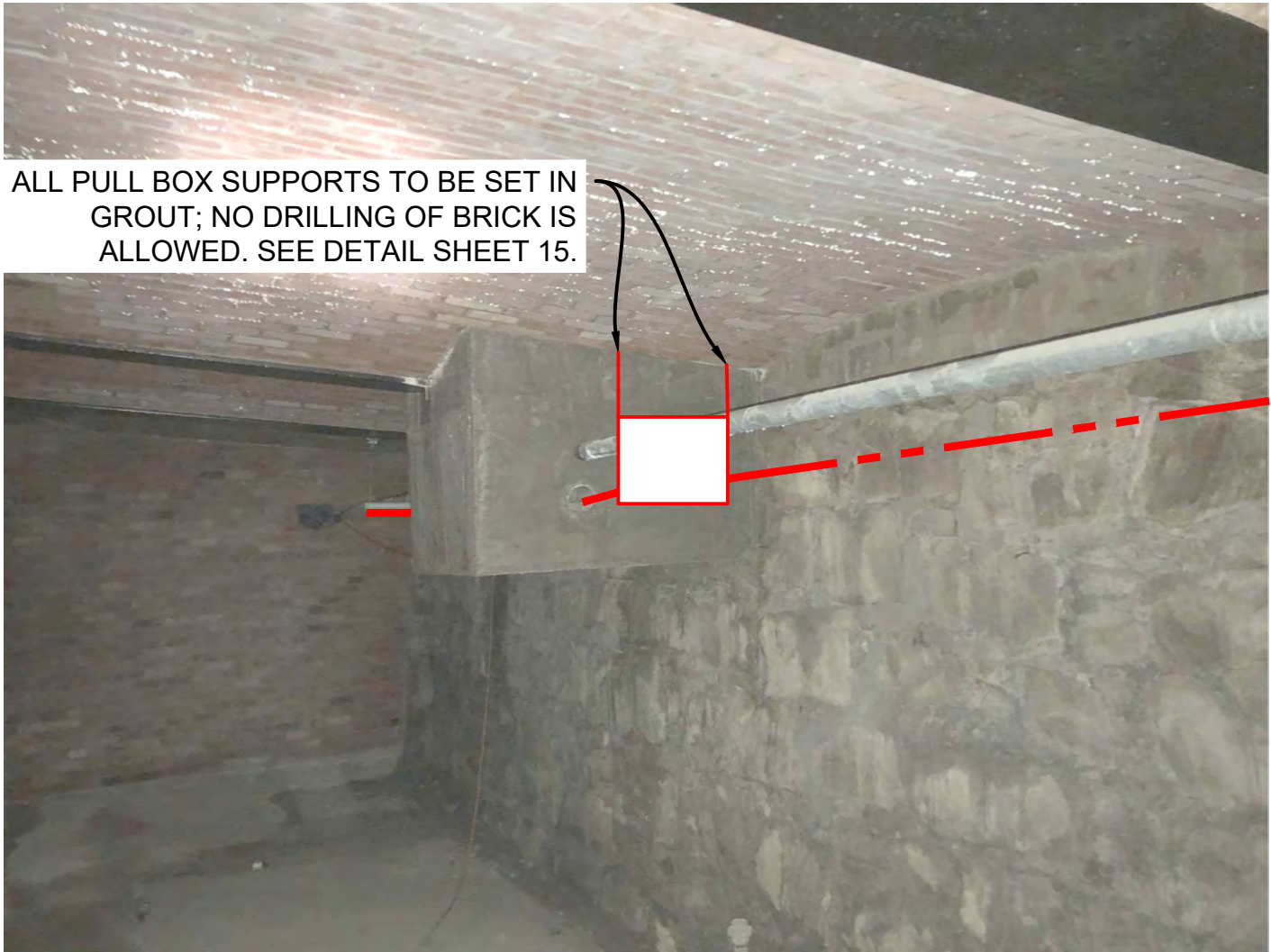


PHOTO #7: FACING EAST IN AREAWAY

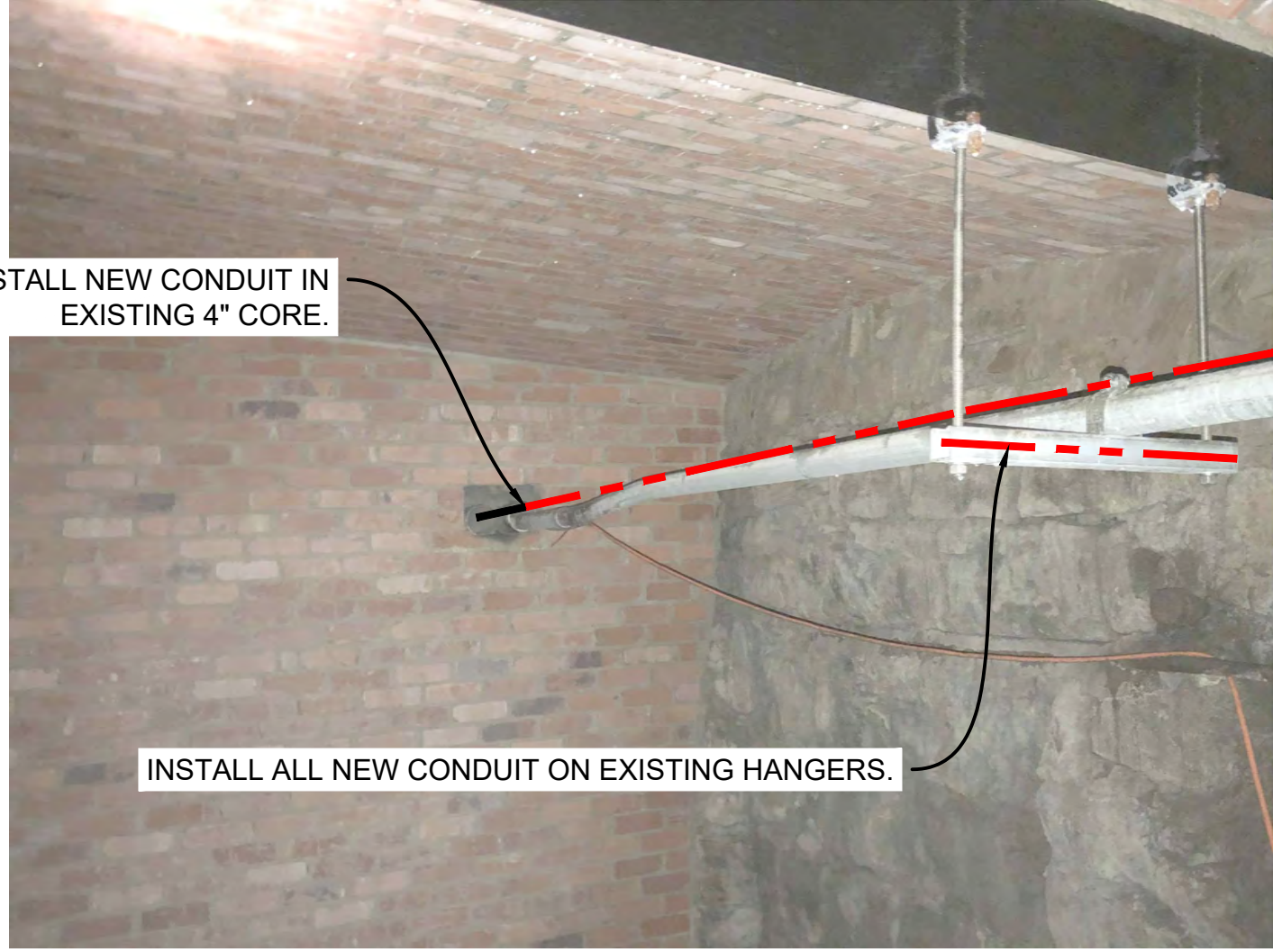


PHOTO #8: FACING WEST IN AREAWAY



PHOTO #9: FACING EAST IN AREAWAY



SITE PHOTOGRAPHS

CONSTRUCTION NOTES

PHOTO #10: FACING EAST IN AREAWAY

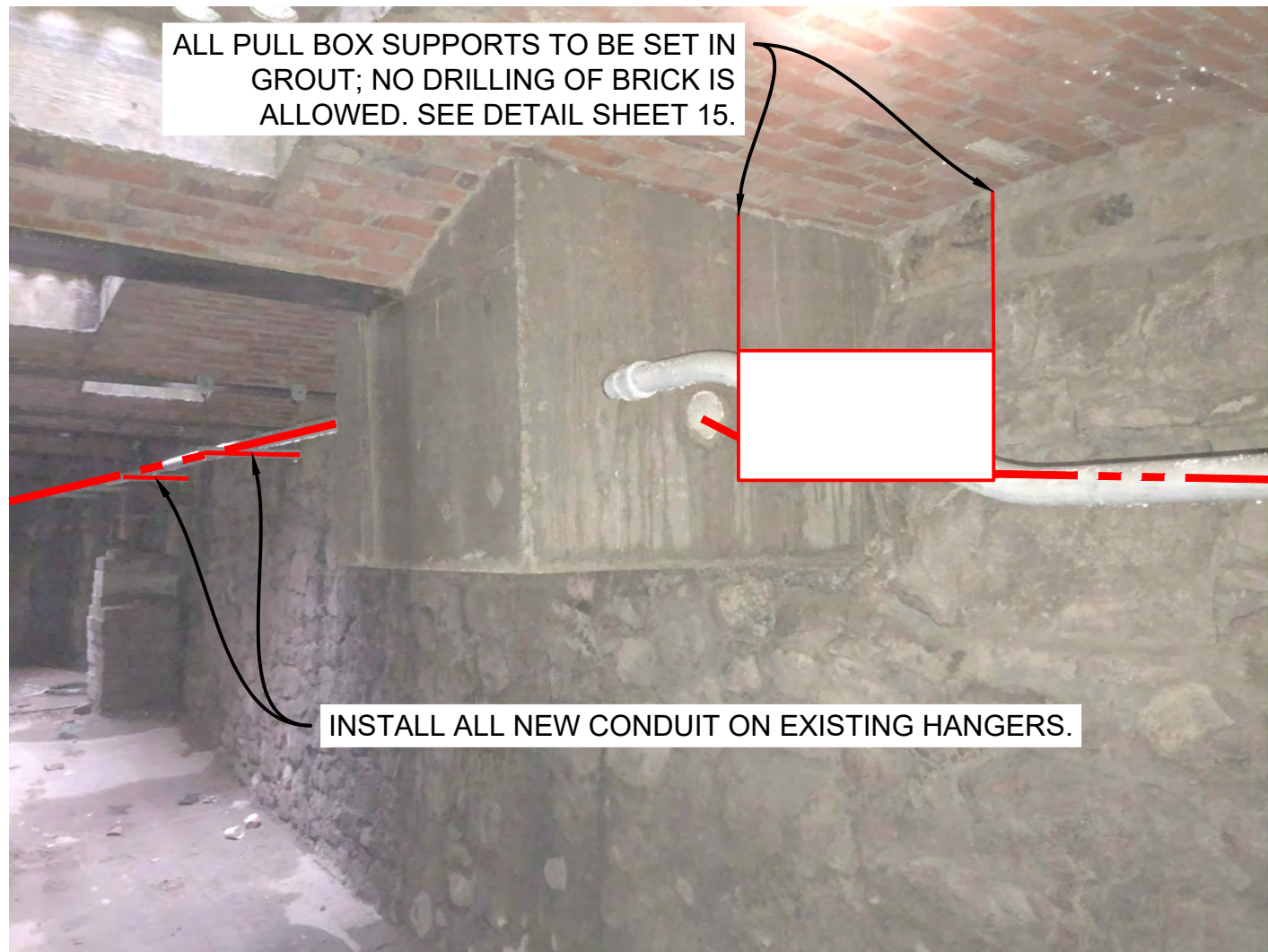


PHOTO #11: FACING EAST IN AREAWAY

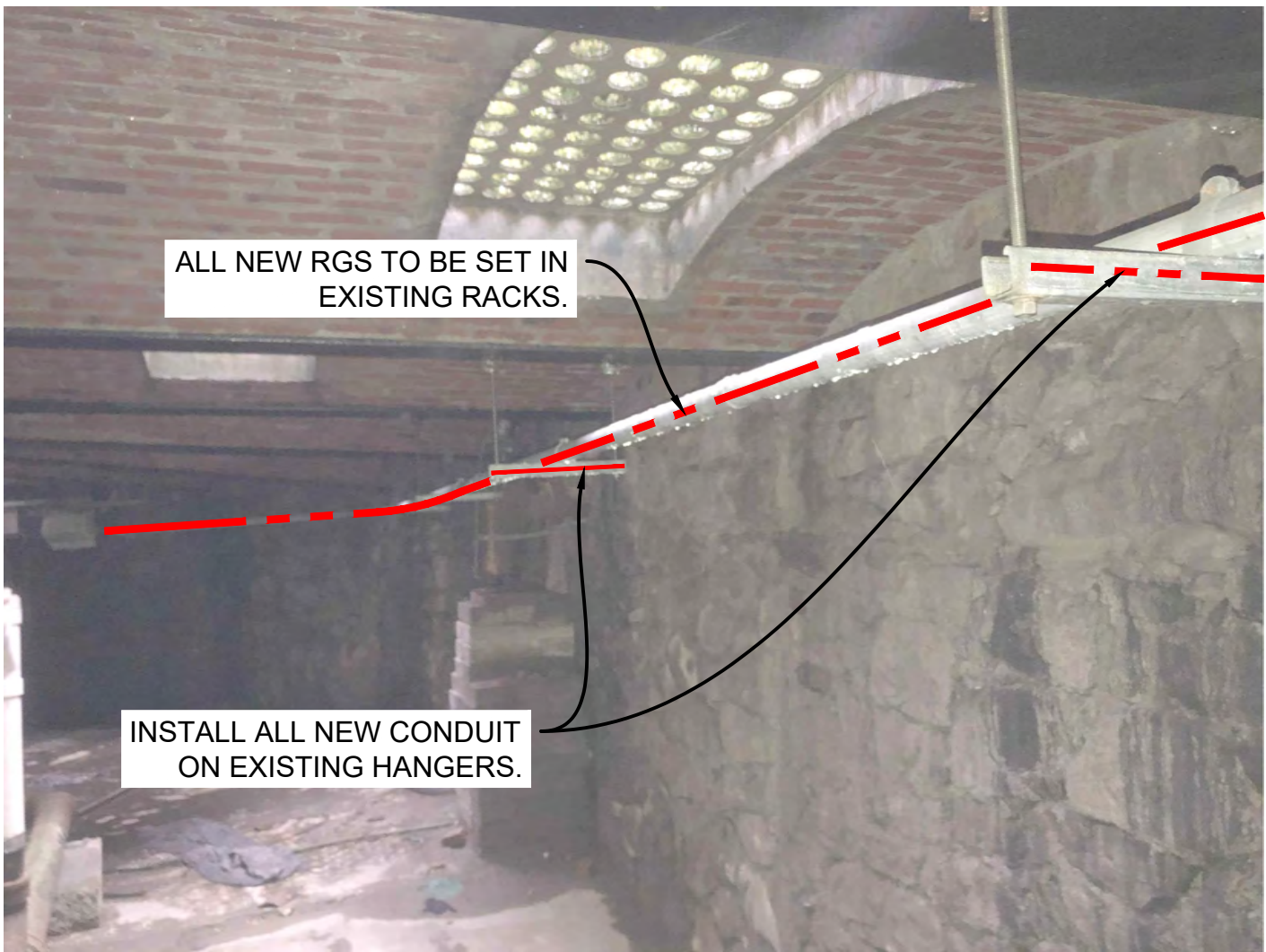


PHOTO #12: FACING EAST IN AREAWAY

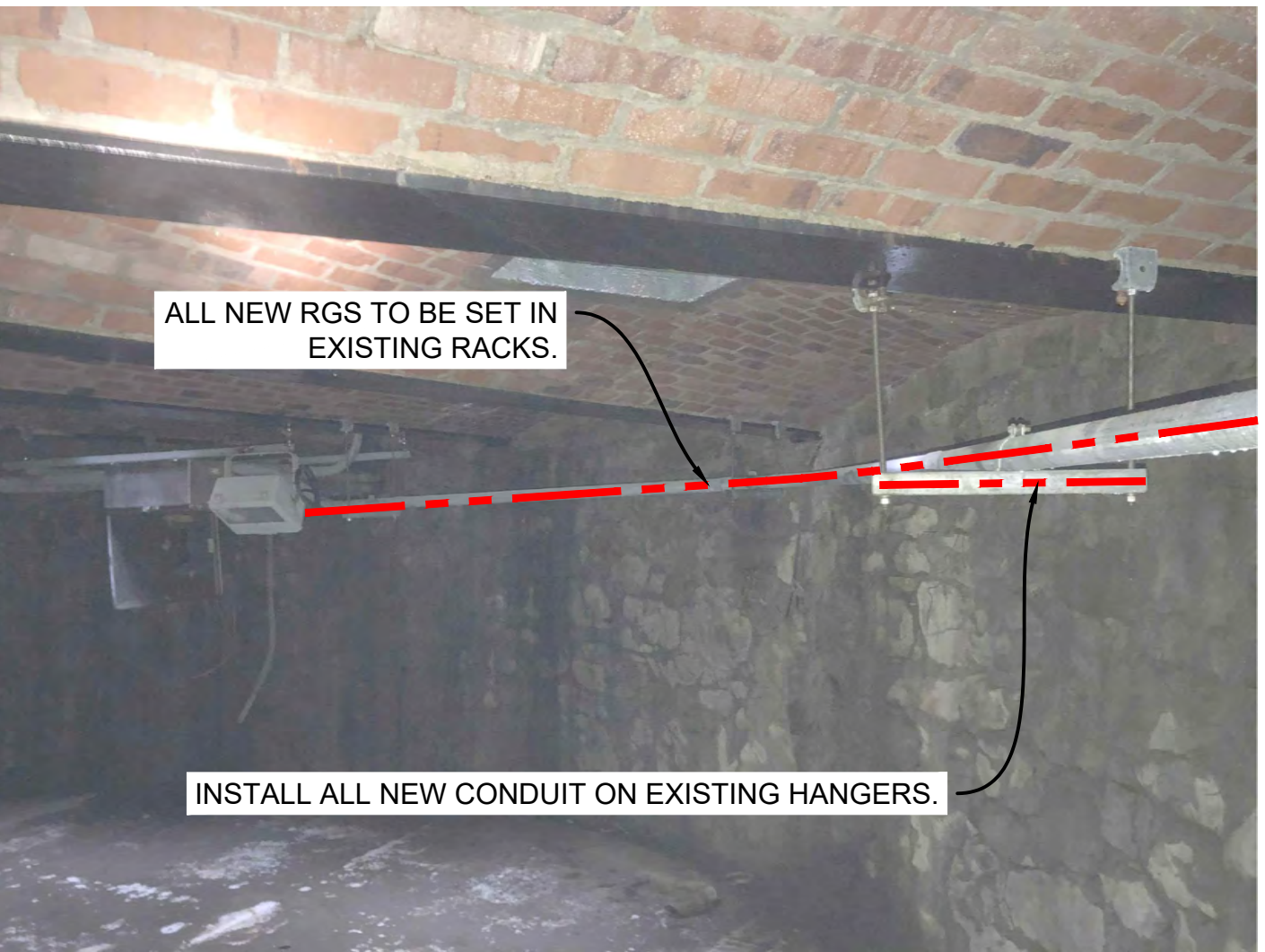


PHOTO #13: FACING SOUTH IN AREAWAY



PHOTO #14: FACING EAST IN AREAWAY

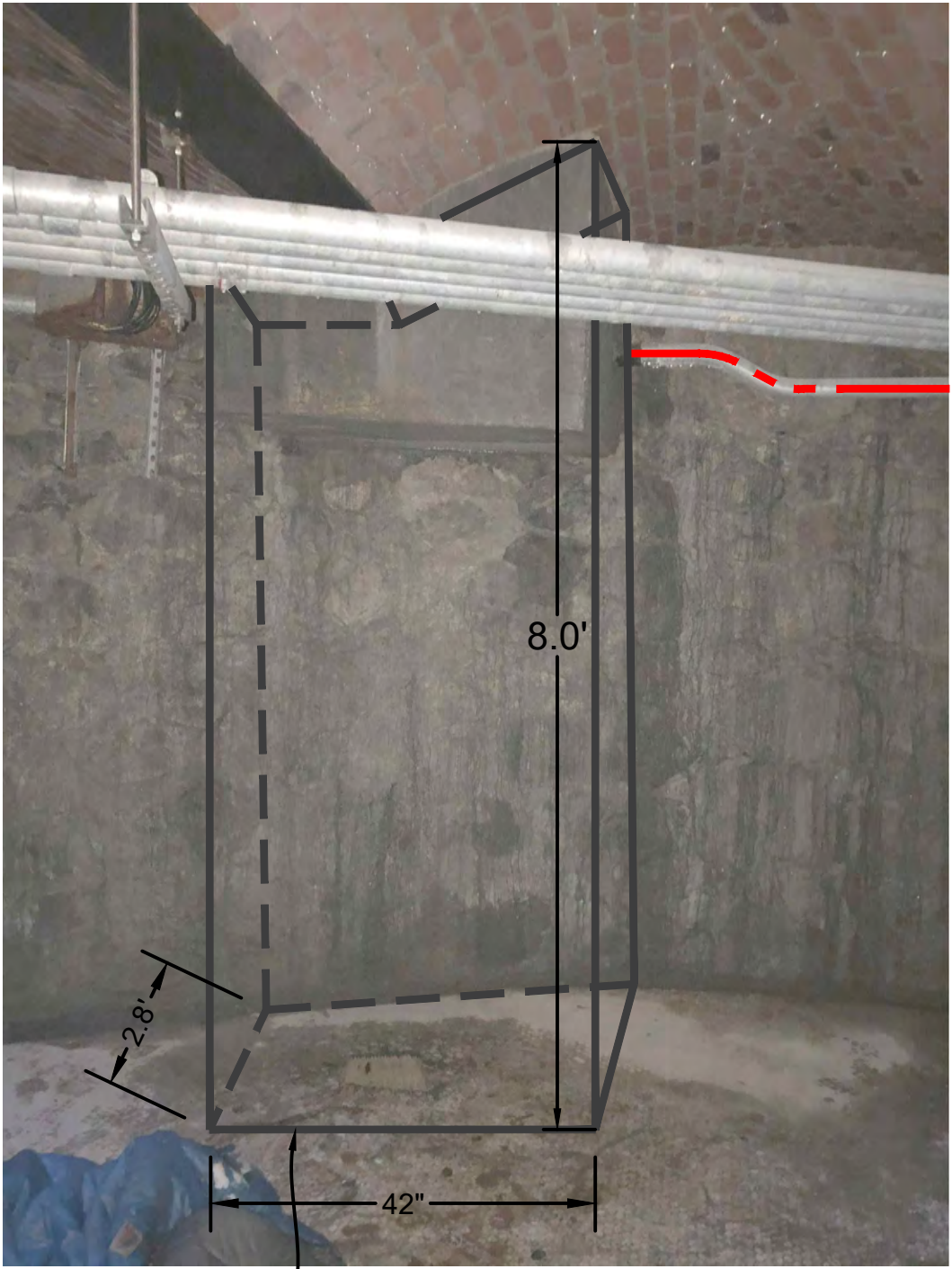
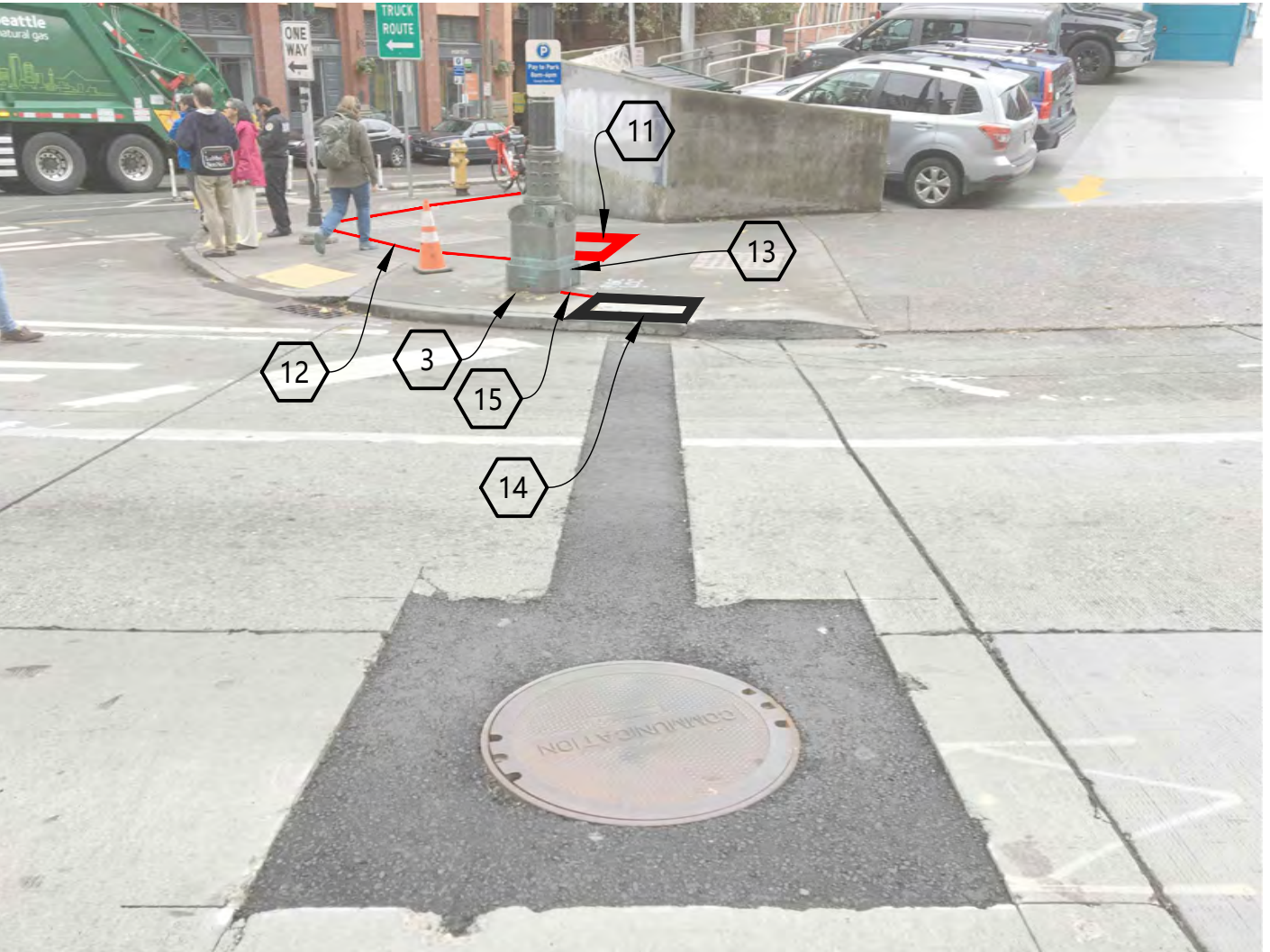


PHOTO #15: FACING WEST ON EAST SIDE OF 2ND AVE



- 3 REMOVE EXISTING CHIEF SEATTLE BASE FOUNDATION AND INSTALL, SAME LOCATION (1) SCI AND SDOT APPROVED NEW CHIEF SEATTLE BASE FOUNDATION PER SCL CONSTRUCTION STANDARD 1716.38.
- 11 CONTRACTOR TO INSTALL (1) NEW NEMA 4X STAINLESS STEEL J-BOX SIMILAR IN SIZE TO TYPE-2 HH. INTERCEPT EXISTING CONDUIT. MOUNTING OF J-BOX TO BE APPROVED BY STRUCTURAL ENGINEER AND SDOT IN AREA WAY.
- 12 CONTRACTOR TO INSTALL (2) 2" RGS CONDUIT FROM J-BOX-3 TO J-BOX-4. INSTALL PER SCL CONSTRUCTION STANDARD 0095.60 AND 1716.07.
- 13 CONTRACTOR TO INSTALL (1) 1.25" AND (1) 2" RGS CONDUIT FROM J-BOX-4 TO ASSET# 1313162. INSTALL PER SCL CONSTRUCTION STANDARD 0095.60 AND 1716.07.
- 14 EXISTING ZAYO VAULT PLACED UNDER PERMIT #366932. CORE VAULT AND PLACE CONDUIT FROM TRENCH.
- 15 PROPOSED OPEN TRENCH 1-2" CONDUIT FROM EXISTING ZAYO VAULT TO THE NEWLY-INSTALLED POLE BASE FOUNDATION. COORDINATE WITH SCL STREET LIGHT CREW DURING THE INSTALLATION OF CONDUIT FROM VAULT.

1. EXISTING CONDUIT AND PULL BOXES TO BE BROUGHT UP TO SDOT AND SCL STANDARDS TO MAINTAIN AREAWAY.

PROJECT ENGINEER STAMP

3	2/17/21	KW	KAW	AS-BUILT
2	3/23/20	MF	DDS	REVISION # 4
1				ORIGINAL
NO.	DATE	ENGINEER	DRAFTER	COMMENT



CLIENT PROJECT MANAGER: GIN VILANTE
ENGINEERING FIRM: MGC TECHNICAL CONSULTING INC.
PROJECT NUMBER: 15586-023-E PERMIT #:421117
LOCATION: 515 2ND AVE
SEATTLE, WA 98104
DRAWING NAME: MASTEC - 15586-023-E - PLANS.dwg

CONFIDENTIAL/PROPRIETARY SHEET: 17 OF 27



Know what's below.
Call before you dig.

SIMULATION PHOTOGRAPH

PHOTO #15: FACING SE ON WEST SIDE OF 2ND AVE



PHOTO #16: FACING NW ON WEST SIDE OF 2ND AVE



CONSTRUCTION NOTES

- 3 REMOVE EXISTING CHIEF SEATTLE BASE FOUNDATION AND INSTALL, SAME LOCATION (1) SCI AND SDOT APPROVED NEW CHIEF SEATTLE BASE FOUNDATION PER SCL CONSTRUCTION STANDARD 1716.38.
- 14 EXISTING ZAYO VAULT PLACED UNDER PERMIT #366932. CORE VAULT AND PLACE CONDUIT FROM TRENCH.

1. CONTRACTOR TO COORDINATE WITH SDOT YARD FOR STORAGE OF EXISTING BRONZE BASE. TO BE RE-INSTALLED ON NEW POLE.
2. NEW EQUIPMENT TO BE PAINTED WITH SHERWIN-WILLIAMS POWDURA TGIC POWDER COATING, DGS2-40003, RAILROAD GREEN. RF TRANSPARENT AND UV RESISTANT OUTDOOR RATED PAINT.

PROJECT ENGINEER STAMP

3				AS-BUILT
2	2/17/21	KW	KAW	REVISION # 4
1	3/23/20	MF	DDS	ORIGINAL
NO.	DATE	ENGINEER	DRAFTER	COMMENT



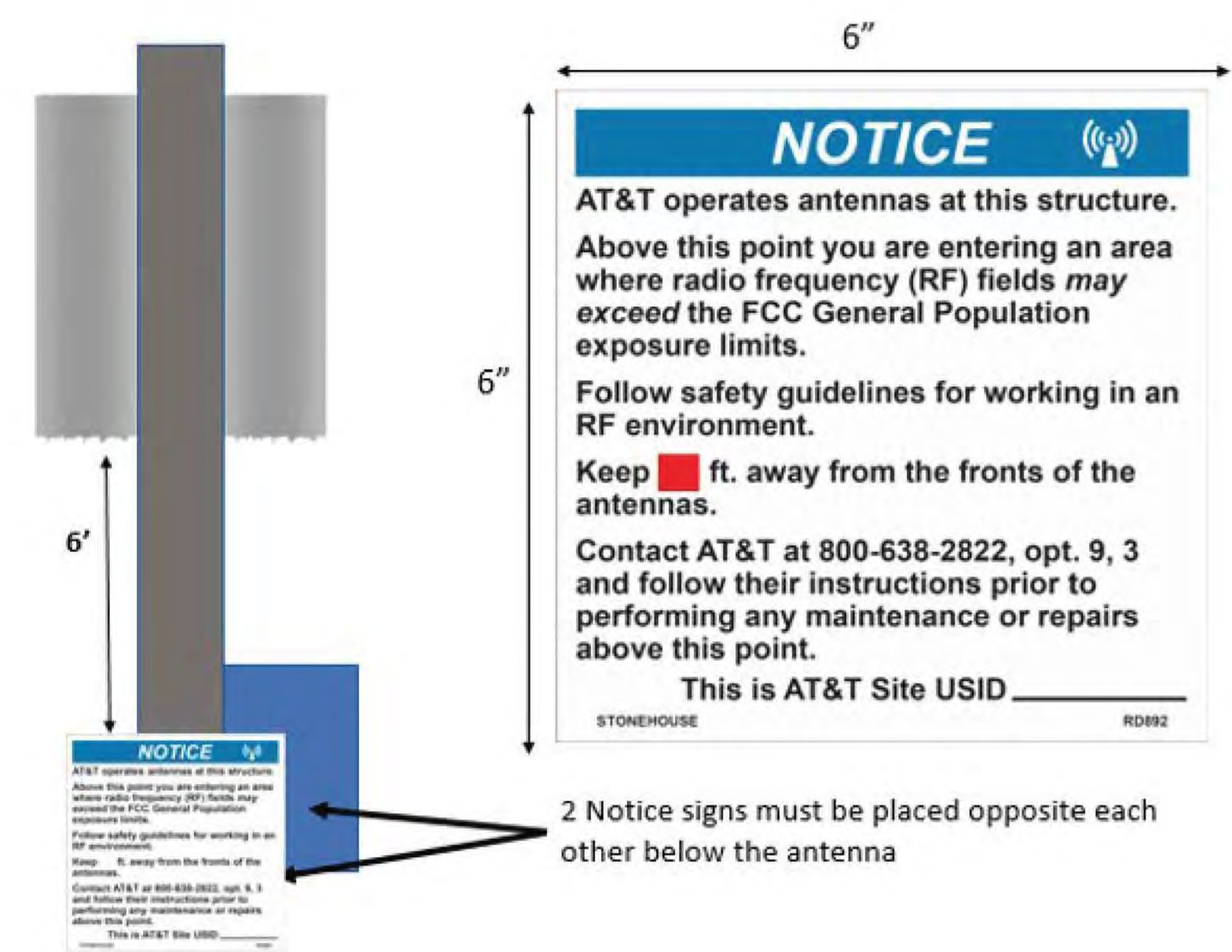
CLIENT PROJECT MANAGER: GIN VILANTE
ENGINEERING FIRM: MGC TECHNICAL CONSULTING INC.
PROJECT NUMBER: 15586-023-E PERMIT #:421117
LOCATION: 515 2ND AVE
SEATTLE, WA 98104
DRAWING NAME: MASTEC - 15586-023-E - PLANS.dwg

CONFIDENTIAL/PROPRIETARY SHEET: 18 OF 27



Know what's below.
Call before you dig.

RF WARNING SIGN DETAILS



RF WARNING SIGN (ANTENNA)

SCALE: NTS

Signage **must be ordered from Stonehouse Signs Inc.**, according to the guidance in Section 6.2 “Stonehouse signs ordering process (CRAN) in ATT-790-202-062 DAS (Distributed Antenna System) and CRAN (Centralized Radio Access Network) Signage Standard.”
<http://apex.web.att.com/bookview/bookview.jsp?bookname=ATT-790-202-062&fulltext>



- 1. Stonehouse ordering part number for this sign is: “RD899”
- 2. Sign Dimensions are: height= 2.5”, width=6.5”
- 3. Use the supplied number pad to enter the number 1 into the blank space as shown in the sign diagram

RF WARNING SIGN (PLACEMENT)

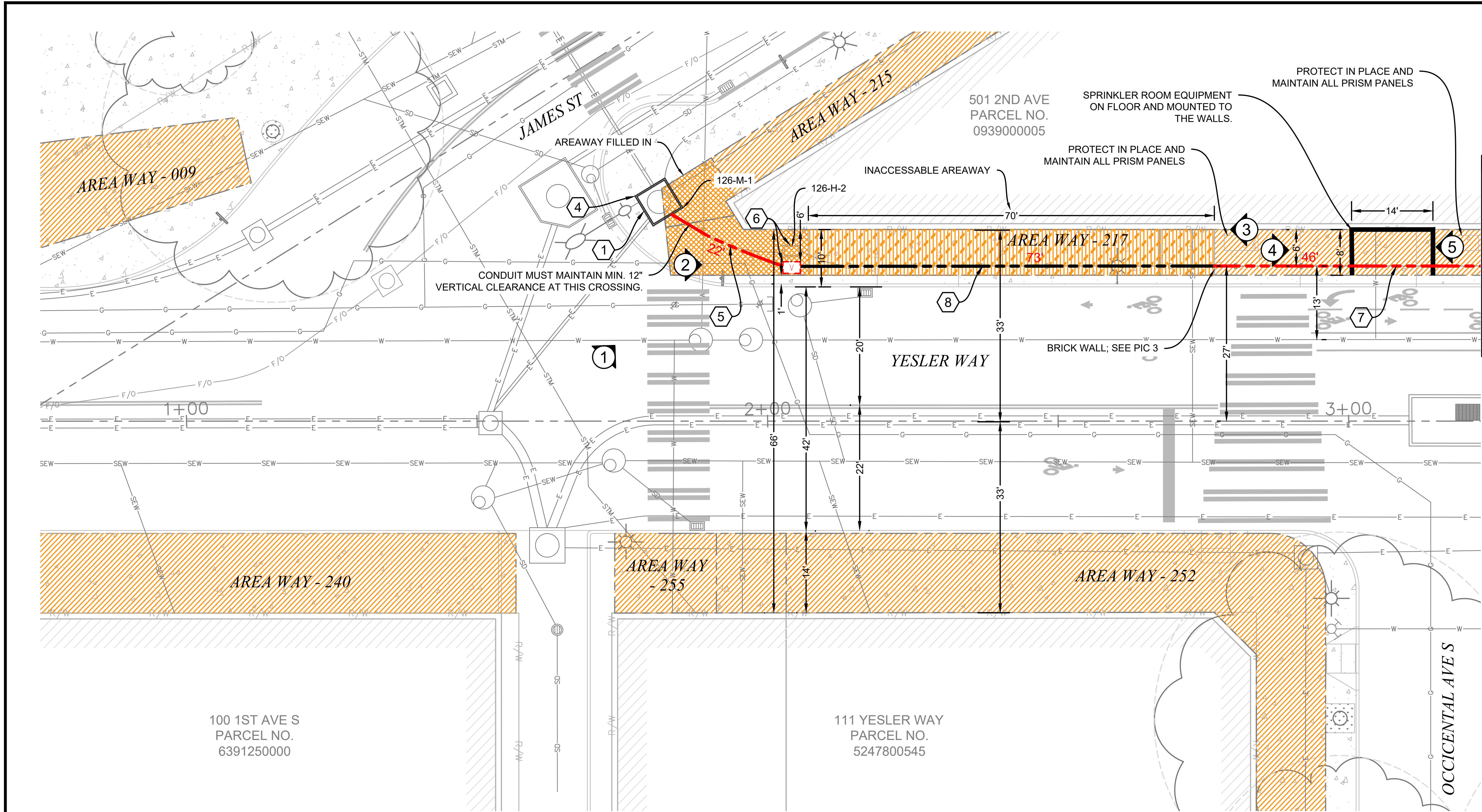
SCALE: NTS

PROJECT ENGINEER STAMP

3				AS-BUILT
2	2/17/21	KW	KAW	REVISION # 4
1	3/23/20	MF	DDS	ORIGINAL
NO.	DATE	ENGINEER	DRAFTER	COMMENT

 Network Solutions		 TECHNICAL CONSULTING INC	
CLIENT PROJECT MANAGER: GIN VILANTE			
ENGINEERING FIRM: MGC TECHNICAL CONSULTING INC.			
PROJECT NUMBER: 15586-023-E PERMIT #:421117			
LOCATION: 515 2ND AVE SEATTLE, WA 98104			
DRAWING NAME: MASTEC - 15586-023-E - PLANS.dwg			
CONFIDENTIAL/PROPRIETARY		SHEET: 19 OF 27	





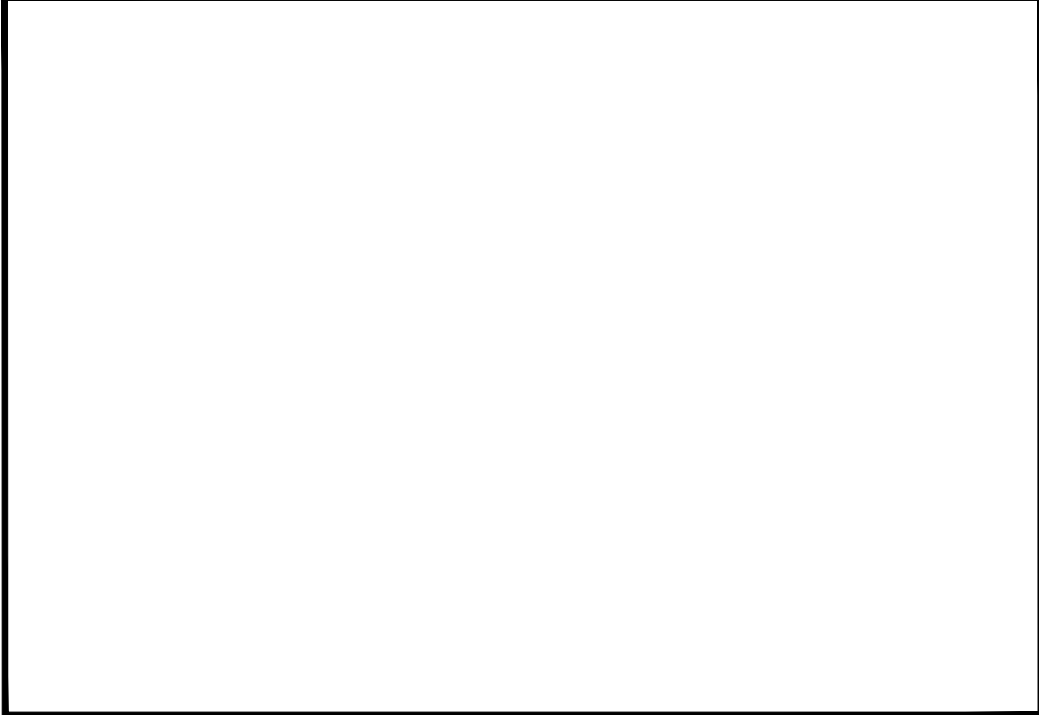
CONSTRUCTION NOTES

- 1. COORDINATE WITH STREETLIGHT CREW FOR SERVICE DISCONNECTION FROM MH 126-M-1 TO ASSET#1313162.
- 4. EXISTING SCL VAULT 126-M-1, CONTRACTOR TO CORE VAULT AND INSTALL CONDUIT PER SCL CONSTRUCTION STANDARD 7020.05.
- 5. CONTRACTOR TO TRENCH AND REMOVE EXISTING CONDUIT. INSTALL (2) 3" RGS CONDUIT FROM MH 126-M-1 TO 126-H-2. INSTALL PER SCL CONSTRUCTION STANDARD 0095.60 AND 1716.07.
- 6. CONTRACTOR TO REPLACE HH 126-H-2 WITH (1) NEW TYPE-5 SL HH PER COS STD PLAN 550A AND SCL CONSTRUCTION STANDARD 1716.07.
- 7. CONTRACTOR TO INSTALL (1) 3-1/2" RGS CONDUIT FROM EXISTING 3-1/2" RGS TO J-BOX-2. INSTALL PER SCL CONSTRUCTION STANDARDS 0095.60 AND 1716.07.
- 8. PULL THROUGH EXISTING (1) 3-1/2" RGS CONDUIT. FROM NEWLY INSTALLED TYP5 5 HH TO NEWLY INSTALLED 3-1/2" RGS.

REFERENCE SCL CUSTOMER DRAWING FOR WORK ORDER 1915166.

SYMBOL CORRESPONDS TO PHOTO LOCATIONS AND ORIENTATION. SEE SHEET #16-18 FOR SIMULATION PHOTO.

PROJECT ENGINEER STAMP



3				AS-BUILT
2	2/17/21	KW	KAW	REVISION # 4
1	3/23/20	MF	DDS	ORIGINAL
NO.	DATE	ENGINEER	DRAFTER	COMMENT



CLIENT PROJECT MANAGER: GIN VILANTE
ENGINEERING FIRM: MGC TECHNICAL CONSULTING INC.
PROJECT NUMBER: 15586-023-E PERMIT #:421117
LOCATION: 515 2ND AVE SEATTLE, WA 98104
DRAWING NAME: MASTEC - 15586-023-E - PLANS.dwg

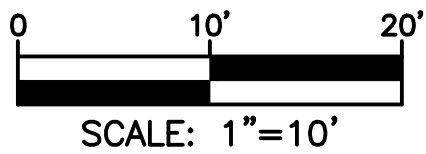
CONTRACTOR NOTES

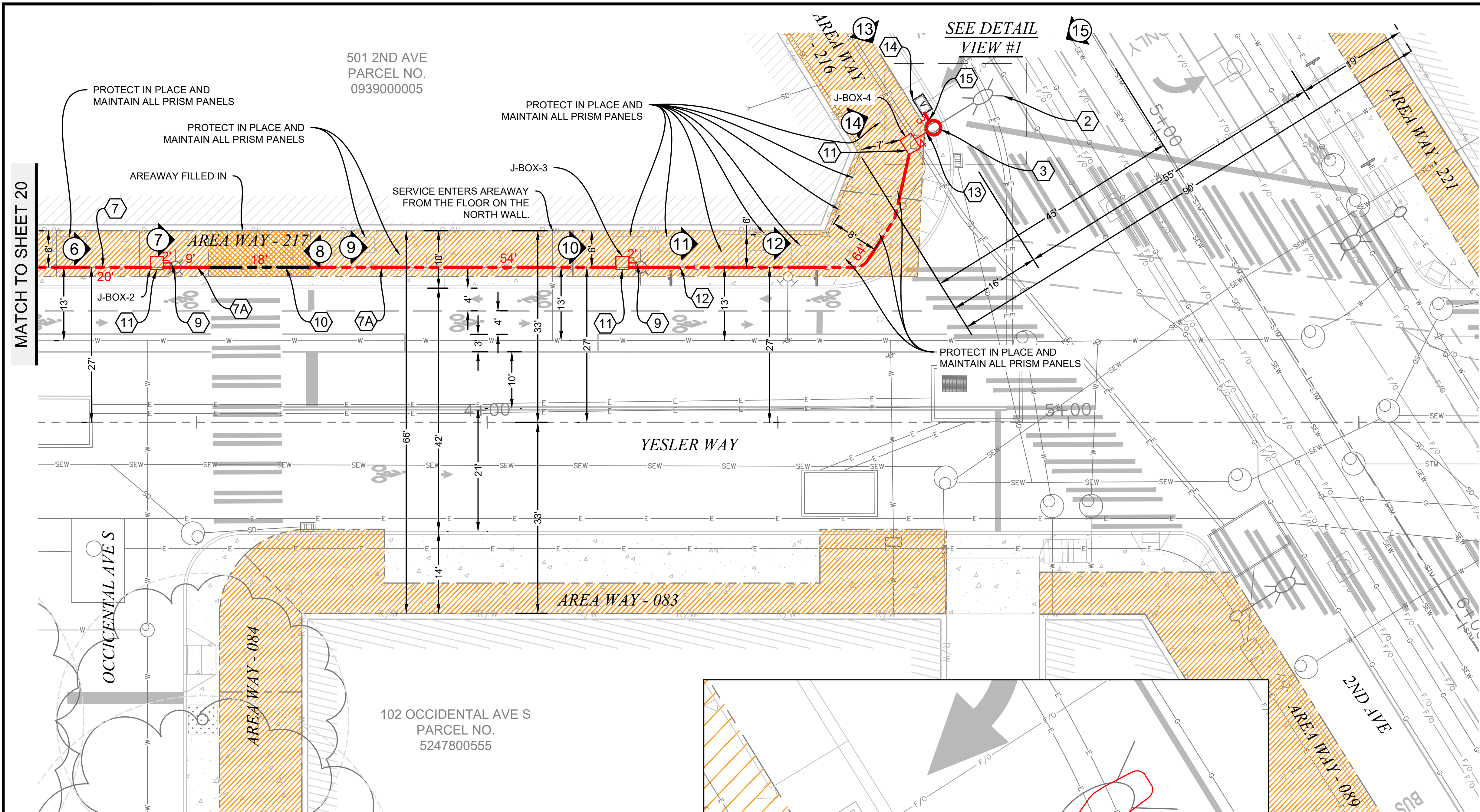
- 1. PROTECT CURB AND SIDEWALK, RESTORE IF DAMAGED PER CURRENT COS STANDARD PLANS.
- 2. PRESERVE AND PROTECT EXISTING TRAFFIC SIGNAL EQUIPMENT, OR REPLACE IF DAMAGED.
- 3. PROTECT ALL EXISTING SIGNAGE; RESTORE IF DAMAGED PER CURRENT COS STANDARD.
- 4. PROTECT SURVEY MONUMENTS; ADJUST AND RESTORE IF DAMAGED PER CURRENT COS STANDARD PLANS.
- 5. ALL EXCAVATION WITHIN DRIP LINE OF TREE SHALL BE COMPLETED VIA VAC TRUCK. PROTECT ROOTS GREATER THAN 2" WITH BURLAP. REMOVE BURLAP AFTER CONSTRUCTION. (WHEN WORKING WITHIN DRIP LINE OF TREES).
- 6. LOCATE AND PROTECT ALL STREET LIGHT INFRASTRUCTURE PRIOR TO CONSTRUCTION.
- 7. LOCATE AND PROTECT ALL PRIVATE SIDE SEWER.
- 8. EXISTING BRONZE BASE. CONTRACTOR TO COORDINATE WITH SDOT YARD STORAGE FOR FUTURE USE.

PSE NOTES

- 1. MAINTAIN A MINIMUM 1' VERTICAL SEPARATION WHEN CROSSING GAS MAINS OR SERVICES.
- 2. MAINTAIN A MINIMUM 3' HORIZONTAL SEPARATION WHEN RUNNING PARALLEL TO GAS MAINS OR SERVICES.
- 3. IF HP IS ENCOUNTERED, PLEASE CONTACT PSE PI INSPECTOR BEFORE WORKING NEAR HP GAS MAINS: GLENN HUDEN - PHONE: 206-396-4159 - EMAIL: GLENN.HUDEN@PSE.COM
- 4. COORDINATE WITH PSE CUSTOMER CONSTRUCTION SERVICES AT 1-888-321-7779 AND A PSE PROJECT MANAGER FOR RELOCATION OF GAS MAINS AND SERVICES AS NEEDED.
- 5. LOCATE AND PROTECT ALL GAS FACILITIES IN THE FIELD.

DESIGN VIEW A





CONSTRUCTION NOTES

- COORDINATE WITH SCL-STREETLIGHT CREW. REMOVE EXISTING STREET LIGHT AND REPLACE WITH NEW SCL AND SDOT APPROVED DECORATIVE CHIEF SEATTLE STYLE STREET LIGHT. (CONTRACTOR TO COORDINATE WITH SDOT YARD FOR STORAGE AND REINSTALL EXISTING CHIEF SEATTLE BRONZE BASE). FOR POLE DELIVERY, SEE GENERAL NOTES FOR DETAILS. COORDINATE WITH SDOT AND KING COUNTY METRO FOR SIGNAGE REMOVAL AND REPLACEMENT ON NEW POLE.
- REMOVE EXISTING CHIEF SEATTLE BASE FOUNDATION AND INSTALL, SAME LOCATION (1) SCI AND SDOT APPROVED NEW CHIEF SEATTLE BASE FOUNDATION PER SCL CONSTRUCTION STANDARD 1716.38.
- CONTRACTOR TO INSTALL (1) 3-1/2" RGS CONDUIT FROM EXISTING 3-1/2" RGS TO J-BOX-2. INSTALL PER SCL CONSTRUCTION STANDARDS 0095.60 AND 1716.07.
- CONTRACTOR TO INSTALL (1) 2" RGS CONDUIT FROM J-BOX-2 TO J-BOX-3. INSTALL PER SCL CONSTRUCTION STANDARDS 0095.60 AND 1716.07.
- CONTRACTOR TO RE-ROUTE EXISTING CONDUIT FROM POLE BASE TO NEWLY-INSTALLED HH.
- CONTRACTOR TO INSTALL (1) 2" RGS CONDUIT FROM J-BOX-2 TO J-BOX-3 THROUGH EXISTING (1) 4" CONDUIT. INSTALL PER SCL CONSTRUCTION STANDARDS 0095.60 AND 1716.07.
- CONTRACTOR TO INSTALL (1) NEW NEMA 4X STAINLESS STEEL J-BOX SIMILAR IN SIZE TO TYPE-2 HH. INTERCEPT EXISTING CONDUIT. MOUNTING OF J-BOX TO BE APPROVED BY STRUCTURAL ENGINEER AND SDOT IN AREA WAY.
- CONTRACTOR TO INSTALL (2) 2" RGS CONDUIT FROM J-BOX-3 TO J-BOX-4. INSTALL PER SCL CONSTRUCTION STANDARD 0095.60 AND 1716.07.
- CONTRACTOR TO INSTALL (1) 1.25" AND (1) 2" RGS CONDUIT FROM J-BOX-4 TO ASSET# 1313162. INSTALL PER SCL CONSTRUCTION STANDARD 0095.60 AND 1716.07.
- EXISTING ZAYO VAULT PLACED UNDER PERMIT #366932. CORE VAULT AND PLACE CONDUIT FROM TRENCH.
- PROPOSED OPEN TRENCH 1-2" CONDUIT FROM EXISTING ZAYO VAULT TO THE NEWLY-INSTALLED POLE BASE FOUNDATION. COORDINATE WITH SCL STREET LIGHT CREW DURING THE INSTALLATION OF CONDUIT FROM VAULT.

PROJECT ENGINEER STAMP

3	2/17/21	KW	KAW	AS-BUILT
2	3/23/20	MF	DDS	REVISION # 4
1				ORIGINAL
NO.	DATE	ENGINEER	DRAFTER	COMMENT

MasTec Network Solutions

MGC TECHNICAL CONSULTING INC.

CLIENT PROJECT MANAGER: GIN VILANTE

ENGINEERING FIRM: MGC TECHNICAL CONSULTING INC.

PROJECT NUMBER: 15586-023-E PERMIT #:421117

LOCATION: 515 2ND AVE
SEATTLE, WA 98104

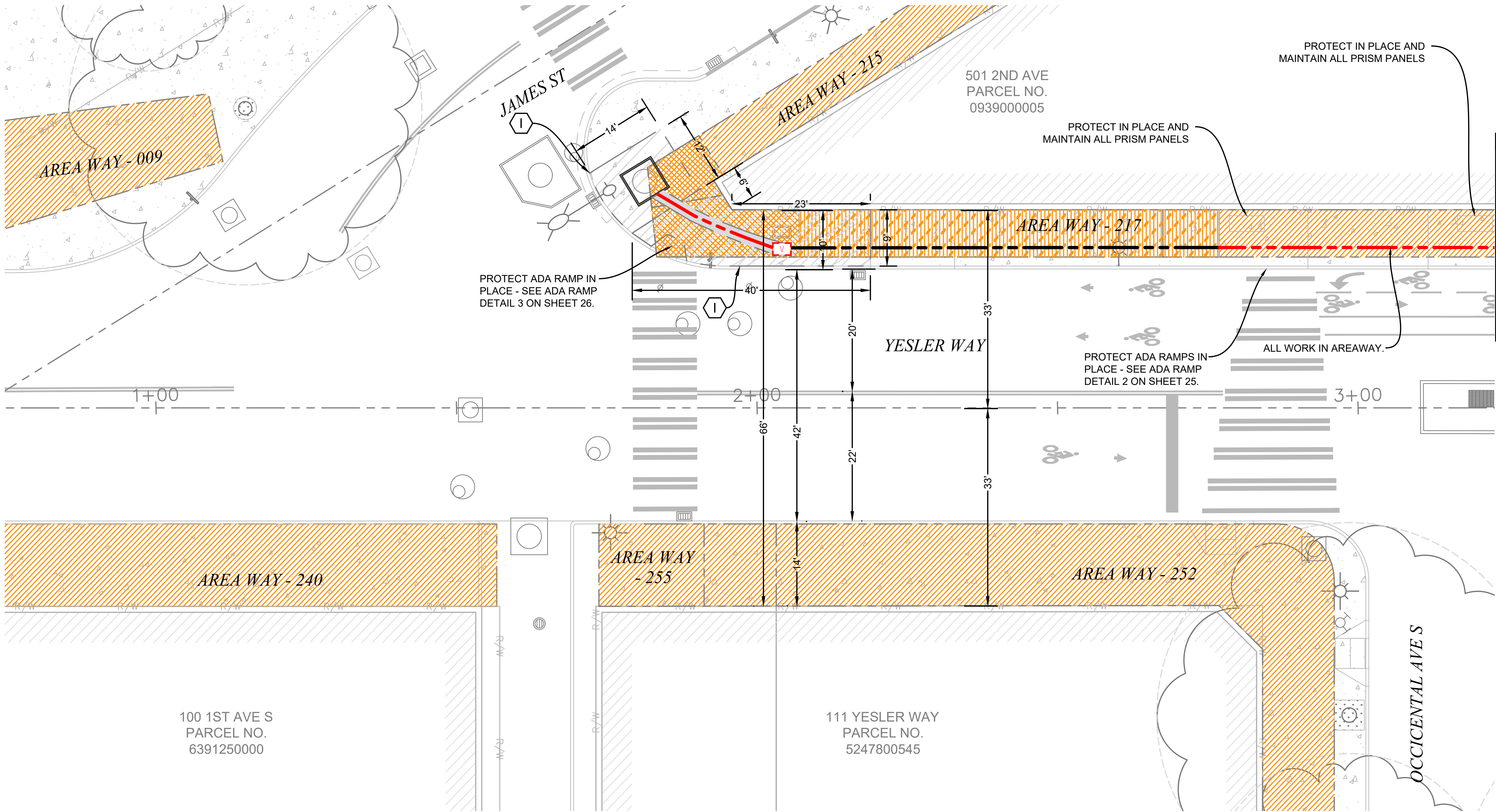
DRAWING NAME: MASTEC - 15586-023-E - PLANS.dwg

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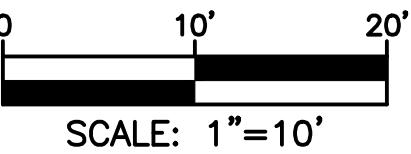
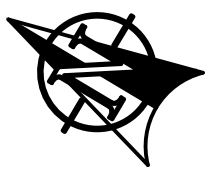
SHEET: 21 OF 27

DESIGN VIEW B

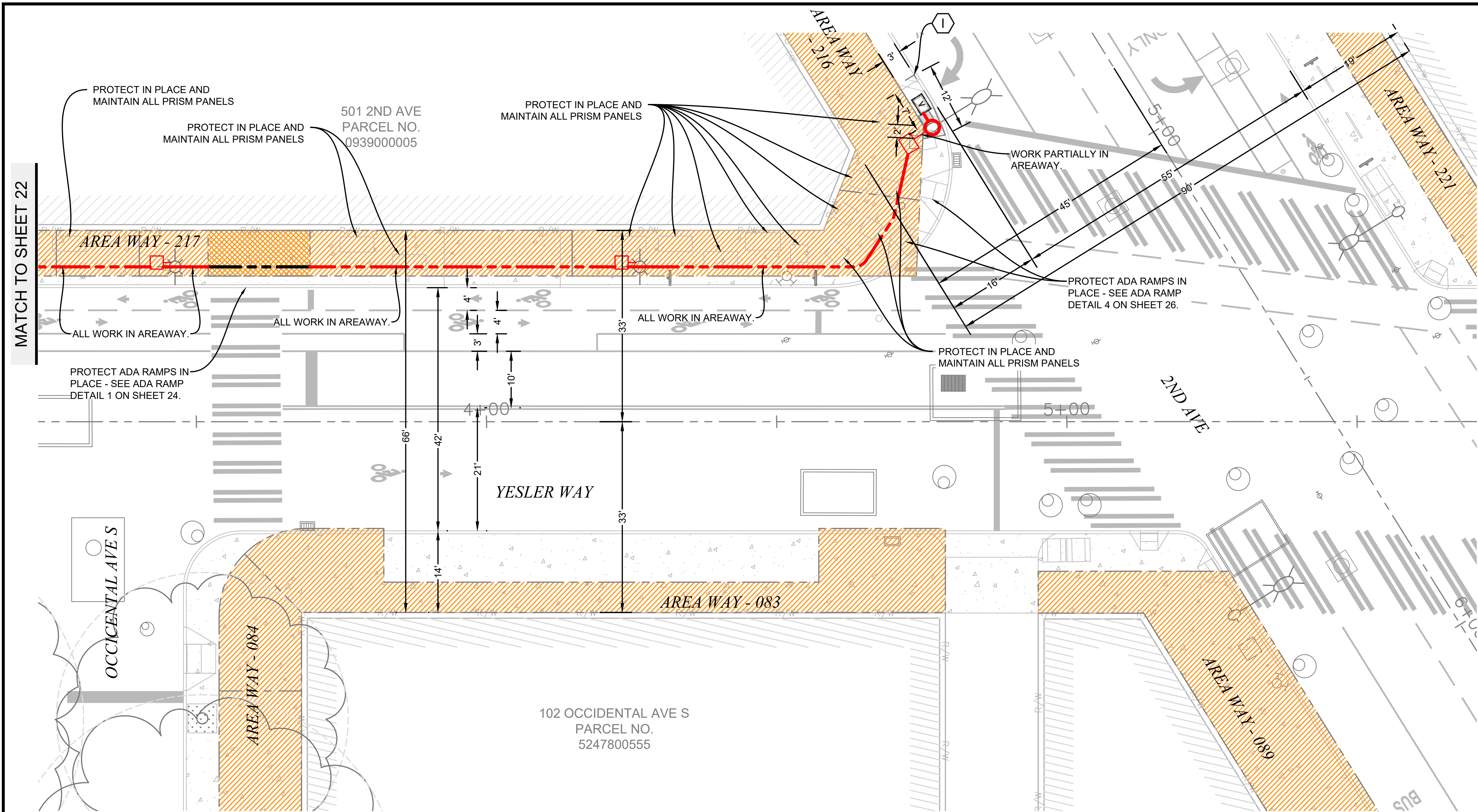
SYMBOL CORRESPONDS TO PHOTO LOCATIONS AND ORIENTATION. SEE SHEET #16-18 FOR SIMULATION PHOTO.



RESTORATION VIEW A



3				AS-BUILT
2	2/17/21	KW	KAW	REVISION # 4
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MasTec Network Solutions				
CLIENT PROJECT MANAGER: GIN VILANTE				
ENGINEERING FIRM: MGC TECHNICAL CONSULTING INC.				
PROJECT NUMBER: 15586-023-E PERMIT #:421117				
LOCATION: 515 2ND AVE SEATTLE, WA 98104				
DRAWING NAME: MASTEC - 15586-023-E - PLANS.dwg				
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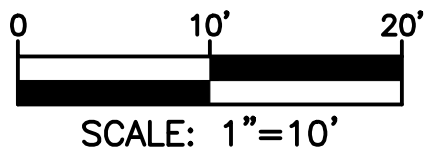
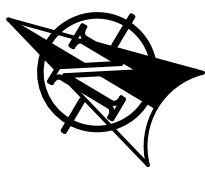
RESTORATION NOTES

- 1. RESTORE SIDEWALK PER STD PLAN NO. 420. 3/8" THROUGH AND CONTRACTION JOINTS SHALL BE LOCATED AS REQUIRED BY SECTION 8-14.3(6). "V" GROOVE SCORING AND GRAY DYE ADDED TO MATCH PATTERN IN ADJACENT EXISTING SIDEWALK OR SHALL BE A 2' SQUARE SCORING PATTERN UNLESS OTHERWISE OTHERWISE APPROVED BY THE ENGINEER. FOR CURB RAMP, SEE STANDARD PLAN NO 422. FOR TREE PITS, SEE STANDARD PLAN NO 424. 12" MINIMUM BETWEEN EDGE OF RAMP WING AND PLANTING STRIP IS DESIRABLE. ALL SIDEWALK SHALL BE NON-ROADWAY CEM CONC W/ 25% POZZOLANS.

RESTORATION NOTES

- 1. RESTORE ALL AFFECTED ROAD AND CURB PAINT PER STD PLAN NOS. 700-725.
- 2. ANY SIGNAGE DAMAGED OR REMOVED DURING CONSTRUCTED TO BE REPLACED PER STD PLAN NOS. 620-631.

PROJECT ENGINEER STAMP



RESTORATION VIEW B

3				AS-BUILT
2	2/17/21	KW	KAW	REVISION # 4
1	3/23/20	MF	DDS	ORIGINAL
NO.	DATE	ENGINEER	DRAFTER	COMMENT
MasTec Network Solutions				
CLIENT PROJECT MANAGER: GIN VILANTE				
ENGINEERING FIRM: MGC TECHNICAL CONSULTING INC.				
PROJECT NUMBER: 15586-023-E PERMIT #:421117				
LOCATION: 515 2ND AVE SEATTLE, WA 98104				
DRAWING NAME: MASTEC - 15586-023-E - PLANS.dwg				
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ADA RAMP DETAIL 1 - NE CORNER YESLER WAY & OCCIDENTAL AVE S

① CANNOT INSTALL ADA RAMP AT MARKED CROSSWALK DUE TO EXISTING AREAWAY.

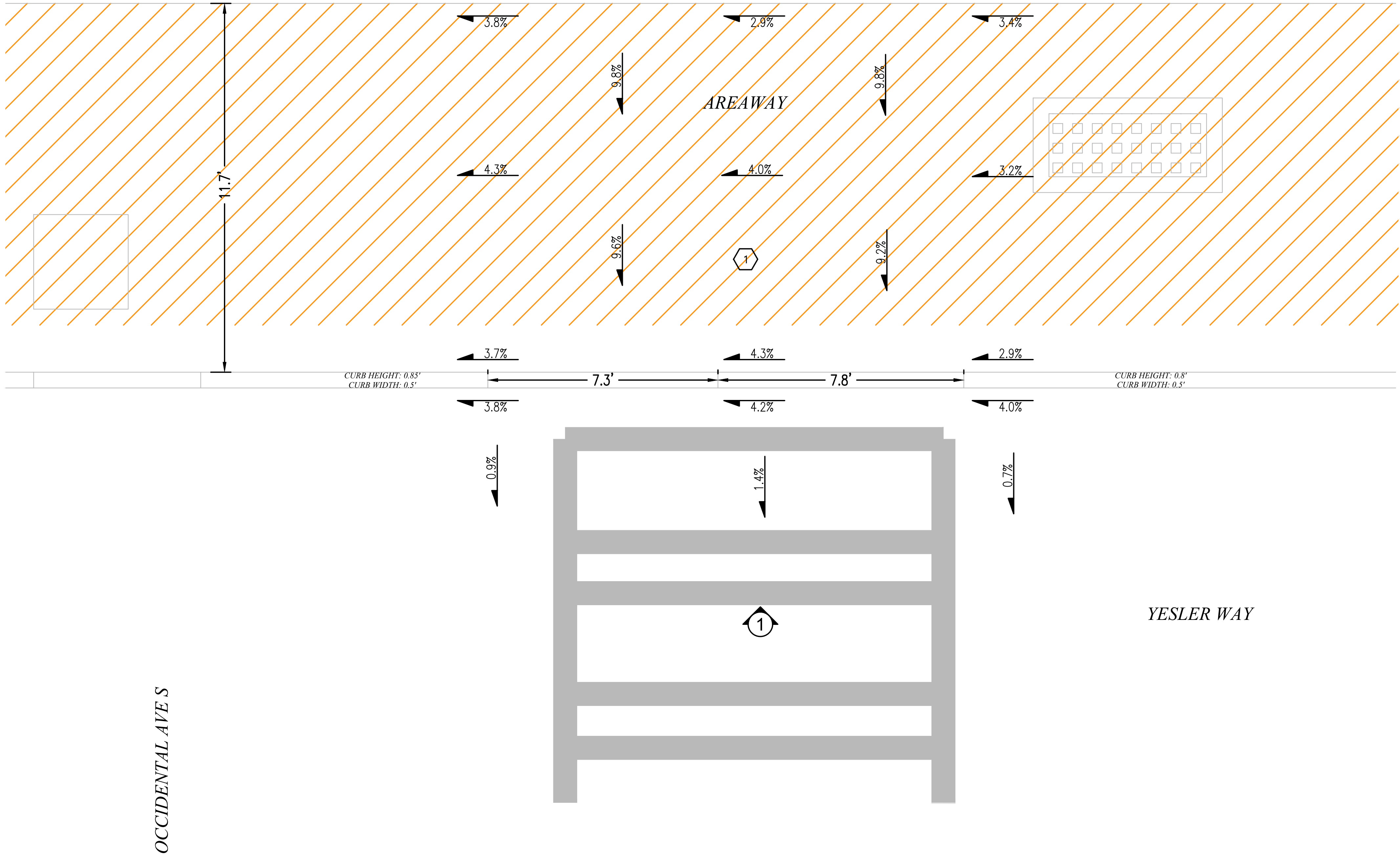


PHOTO #1: FACING NORTH ON SOUTH SIDE OF YESLER WAY



 SYMBOL CORRESPONDS TO PHOTO LOCATIONS AND ORIENTATION.

PROJECT ENGINEER STAMP

3				AS-BUILT
2	2/17/21	KW	KAW	REVISION # 4
1	3/23/20	MF	DDS	ORIGINAL
NO.	DATE	ENGINEER	DRAFTER	COMMENT



CLIENT PROJECT MANAGER: GIN VILANTE

ENGINEERING FIRM: MGC TECHNICAL CONSULTING INC

LOCATION: 515 2ND AVE

SEATTLE, WA 98104

DRAWING NAME: MASTEC - 15586-023-E - PLANS.dwg

CONFIDENTIAL/PROPRIETARY

CONFIDENTIAL/PROPRIETARY SHEET: 24 OF 27



**Know what's below.
Call before you dig.**



SCALE: NTS

YESLER WAY

ADA RAMP DETAIL 2 - NW CORNER YESLER WAY & OCCIDENTAL AVE S

1 CANNOT INSTALL ADA RAMP AT MARKED CROSSWALK DUE TO EXISTING AREAWAY.

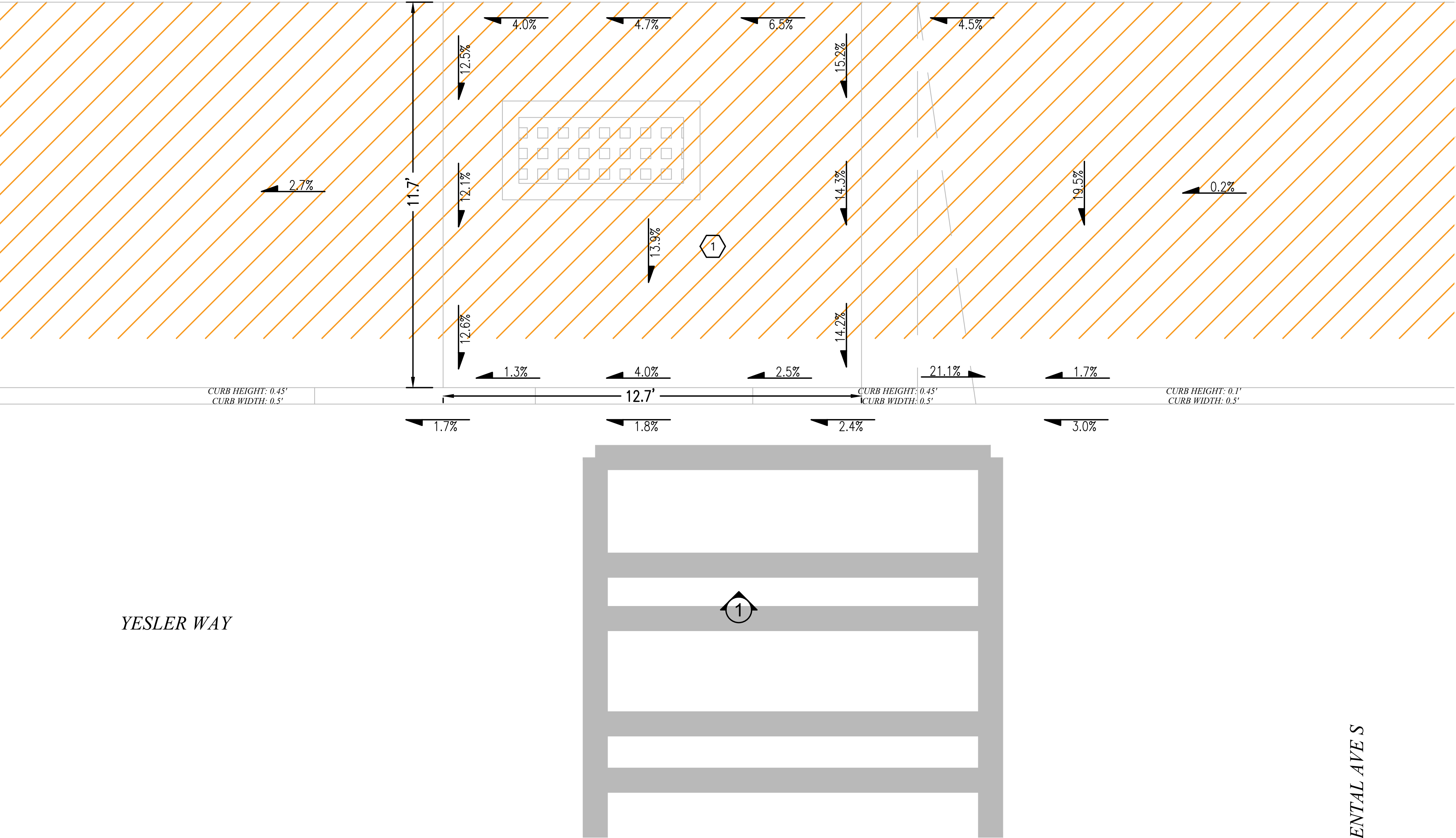


PHOTO #1: FACING NORTH ON SOUTH SIDE OF YESLER WAY

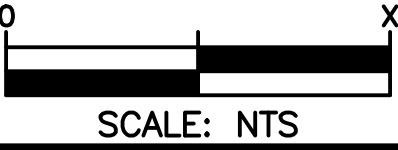


SYMBOL CORRESPONDS TO PHOTO LOCATIONS AND ORIENTATION.

PROJECT ENGINEER STAMP

PROJECT ENGINEER STAMP				

PROJECT BENCHMARK IS ONLY A REFERENCE AND NOT THE ACTUAL ELEVATION



3				AS-BUILT
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NO.	DATE	ENGINEER	DRAFTER	COMMENT
MasTec Network Solutions				
CLIENT PROJECT MANAGER: GIN VILANTE				
ENGINEERING FIRM: MGC TECHNICAL CONSULTING INC.				
PROJECT NUMBER: 15586-023-E PERMIT #:421117				
LOCATION: 515 2ND AVE SEATTLE, WA 98104				
DRAWING NAME: MASTEC - 15586-023-E - PLANS.dwg				
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ADA RAMP DETAIL 3 - NE CORNER OF YESLER WAY AND JAMES ST

- 1
- PROTECT ADA RAMP IN PLACE. REPAIR PER COS STD PLAN NO. 422A IF DAMAGED. SEE ASSOCIATED INSPECTION FORM
- 2
- VARIANCE REQUIRED. CANNOT MEET REQUIRED SLOPES DUE TO SUBGRADE CONDITIONS. SEE ASSOCIATED MEF DOCUMENTATION.

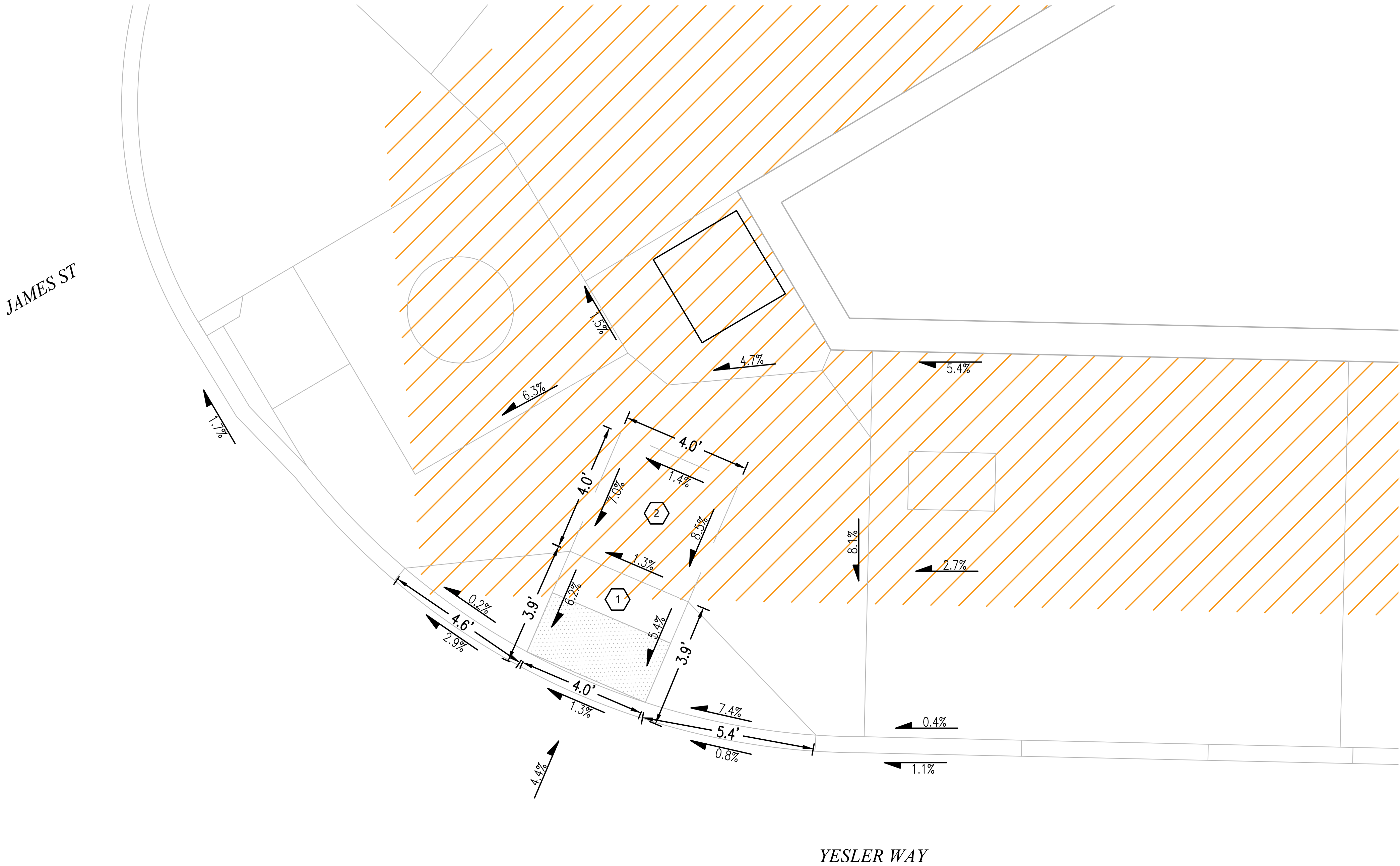


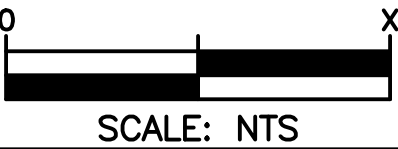
PHOTO #1: FACING NORTH ON SOUTH SIDE OF YESLER WAY



SYMBOL CORRESPONDS TO PHOTO LOCATIONS AND ORIENTATION.

PROJECT ENGINEER STAMP

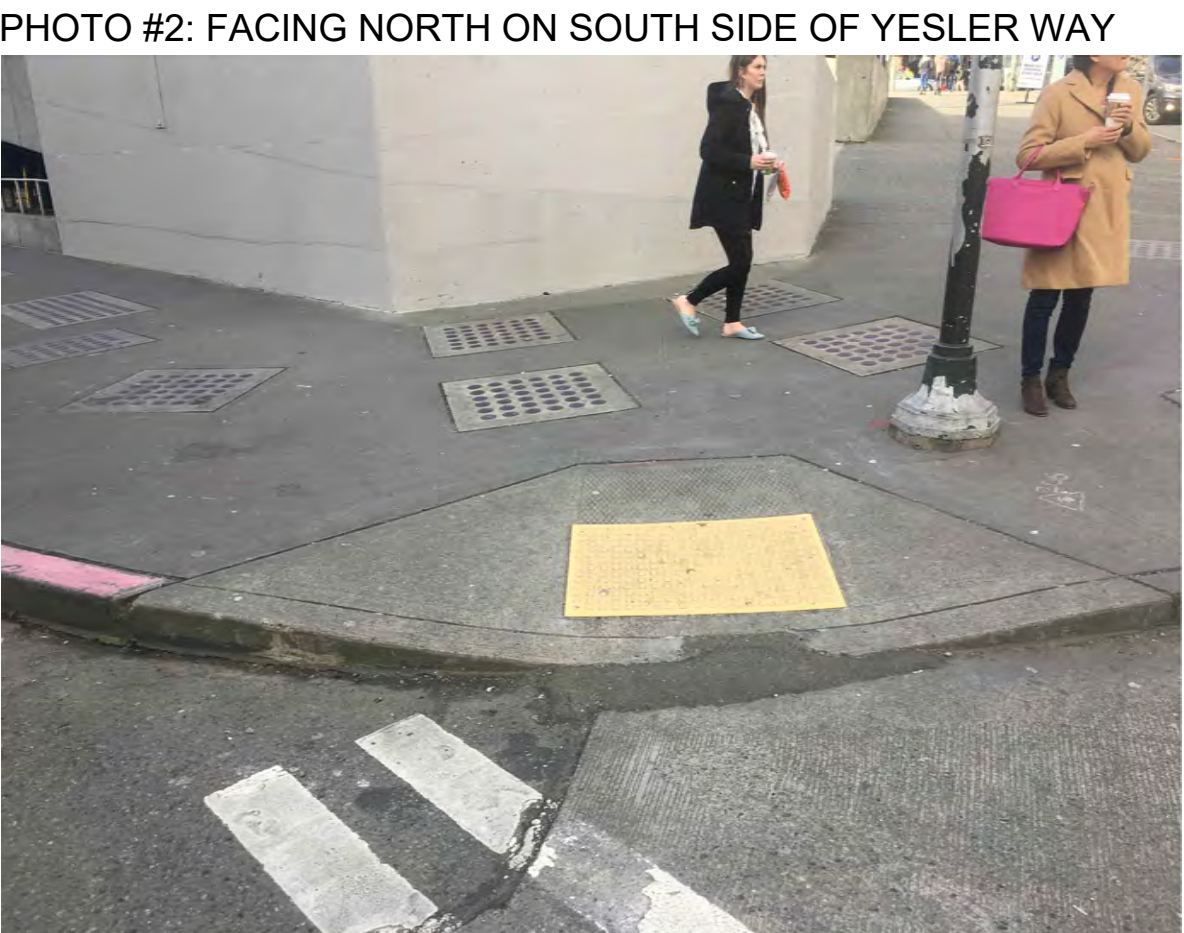
PROJECT BENCHMARK IS ONLY A REFERENCE AND NOT THE ACTUAL ELEVATION



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2	2/17/21	KW	KAW	REVISION # 4
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NO.	DATE	ENGINEER	DRAFTER	COMMENT
<div><div>MasTecNetwork Solutions</div><div>CLIENT PROJECT MANAGER: GIN VILANTE</div><div>ENGINEERING FIRM: MGC TECHNICAL CONSULTING INC.</div><div>PROJECT NUMBER: 15586-023-E PERMIT #:421117</div><div>LOCATION: 515 2ND AVE SEATTLE, WA 98104</div><div>DRAWING NAME: MASTEC - 15586-023-E - PLANS.dwg</div><div>CONFIDENTIAL/PROPRIETARY</div></div> <div><div>MGC</div><div>TECHNICAL CONSULTING INC.</div></div>				
				SHEET: 26 OF 27

ADA RAMP DETAIL 4 - NW CORNER OF YESLER WAY AND 2ND AVE

- 1 PROTECT ADA RAMP IN PLACE. REPAIR PER COS STD PLAN NO. 422A IF DAMAGED. SEE ASSOCIATED INSPECTION FORM
- 2 VARIANCE REQUIRED. CANNOT MEET REQUIRED SLOPES DUE TO SUBGRADE CONDITIONS. SEE ASSOCIATED MEF DOCUMENTATION.
- 3 VARIANCE REQUIRED. CANNOT MEET REQUIRED SLOPES DUE TO EXISTING TOPOGRAPHY. SEE ASSOCIATED MEF DOCUMENTATION.



SYMBOL CORRESPONDS TO PHOTO LOCATIONS AND ORIENTATION.

PROJECT ENGINEER STAMP

3				AS-BUILT
2	2/17/21	KW	KAW	REVISION # 4
1	3/23/20	MF	DDS	ORIGINAL
NO.	DATE	ENGINEER	DRAFTER	COMMENT

MasTec Network Solutions
MGC TECHNICAL CONSULTING INC.

CLIENT PROJECT MANAGER: GIN VILANTE
ENGINEERING FIRM: MGC TECHNICAL CONSULTING INC.
PROJECT NUMBER: 15586-023-E PERMIT #:421117
LOCATION: 515 2ND AVE
SEATTLE, WA 98104
DRAWING NAME: MASTEC - 15586-023-E - PLANS.dwg
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