

ADDENDUM NO. 1

October 14, 2024

PROJECT:

5th Street & Walnut St. Streetscape Improvements

PREPARED BY:

Model Construction
1826 Race Street
Cincinnati, OH 45202

BID EXTENSION:

The bid date has been extended to Friday, October 18th at 2:00 pm EST. Bids shall be delivered to Model Group's office (1826 Race Street, Cincinnati, OH 45202) in a sealed envelope prior to the bid date/time.

ATTACHMENTS/DRAWINGS:

- Valmont Pole Retrofit Pole Foundation Details & Product Data
- ODOT Pole Design Retrofit Details
- Gardco Light Fixture Product Data
- Bayer Becker – DOTE Permit Comments / Addendum 1 Drawings dated 10/08/24
- HNTB – Addendum 1 Drawings dated 10/11/24
- City Studio – Permit Revision 1 / Addendum 1 Drawings dated 10/07/24

CONTRACTOR QUESTIONS:

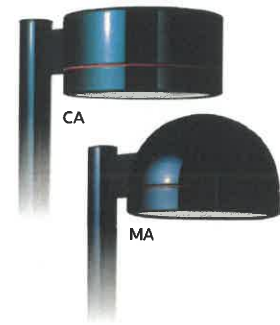
- 1- Drawing S101 – Drawing note reads “sound existing concrete slab. Patch or replace as required.” In order to provide an apples to apples bid, please provide a quantity of patching and a quantity of replacing.
 - a. Answer – Bidders shall include sounding existing concrete. All patching/repair work in these areas will be completed on Time & Material.
- 2- Drawing A0.2 – In regard to the topping slab, it is unknown the quantity of concrete that is under 5” requiring fibers vs over 5”. In order to provide an apples to apples bid, please provide a quantity of each.
 - a. Answer – For bidding purposes, figure all topping slabs will be over 5” and will have mesh.
- 3- Drawing A0.1 – Note 11 calls for demo of existing bathrooms, is this included in our scope or by others? Note 23 calls for rerouting of existing utilities, is this included in our scope or by others?
 - a. Answer – Bidders shall exclude removing bathrooms and re-routing associated utilities.

- 4- Due to the uncertain cost of permits, can you please provide a cost allowance for ROW permits and street/ sidewalk closure permits.
 - a. Answer – ROW permits and street/sidewalk closures shall be included. Reference DOTE’s website for rates.
- 5- Drawing C302 & C303 – Scope of work documents detail that we are to provide post and panel signage per drawings including foundations. Also shown are parking meters and bus ticket machine, who are to provide and install?
 - a. Answer – Parking meters have been deleted from the project. The bus ticket machine will be supplied by others, but bidders shall include installation.
- 6- Drawing C300 & C301 – When pouring new concrete sidewalk and topping slabs, is concrete to be poured continuously across structural slabs and subgrade or is a separate pour for each required to address transitions?
 - a. Answer – Sidewalks can be poured continuously.
- 7- Drawing S310 – Could you provide a height of basement Encroachment area for CDF fill calculations?
 - a. Answer – The height is 14’-0”.

BAYER BECKER - PERMIT RESPONSES:

1. Provide Traffic Management Plan with DOTE Permit that includes proposed dates of impacted sidewalk and travel lane closures for DOTE review and approval.
Response: Traffic Management Plan notes added to title sheet
2. Provide a more consistent curb reveal of 6 inches instead of the proposed 4” granite curb, 6” granite curb and 7” granite curb as noted and shown on Sheets C300 and C301.
Response: Grading updated to have more consistent curb reveal.
3. Detectable warning material in the downtown area shall be clay pavers or granite unit pavers.
Response: Updated callout for detectable warning pavers
4. Plan review calls for two curb ramps on corners opposite of the project.
Response: We are showing the opposite corners to be removed for signal conduit installation and removed back at existing conditions.
5. (C500) Area is too steep, consider lower back of walk or raising curb
Response: We maintained existing back of walk and are trying to maintain a uniform curb height. The proposed cross slope is less than the existing.
6. (C500) Curb can be higher than 4” in this area. Cross slope closer to 1.6-2% to help.
Response: Raised curb height to 7”
7. (C500) Ramp slope can be less to help drain sidewalk
Response: Reduced ramp slope
8. (C501) Cross slopes should not exceed 2%
Response: Proposed cross slopes are less than existing
9. (C501) Appears this can be 6” curb through here
Response: Reduced curb from 7” to 6”
10. New pull box type B at each light pole location
Response: Added proposed light pole to each new light pole location.

End of Addendum 1



Gardco Form 10 LED round arm mount luminaires are cutoff area luminaires featuring LED arrays. These products provide performance excellence and feature advanced Gardco LED thermal management technology. High performance Class 1 LED systems offer the potential for energy savings up to 50% when compared to HID systems.

Project: COURT ST PEDESTRIAN RENOV PHASE 2

Location: CINCINNATI, OHIO

Cat. No: MA22L-96L-650-NW-G3-AR2-2-UNV-DD-F1-BLA

Type: SL1

Lamps: Qty: 9

Notes:

DD,F1,BLA

* Verify Diameter of Pole for correct attachment arm.

Ordering guide

example: CA17L-32L-450-NW-G3-AR1-2-120-BK

Prefix	Number of LEDs	Drive Current	LED Color - Generation	Mounting	Distr. ²	Voltage	Controls	Electrical	Luminaire	Finish	
CA17L 17" Cylindrical Luminaire LED	32L 32 LEDs	450 450mA	NW-G3 Neutral White 4000K, 70CRI Generation 3	Arm Mounts AR1 for 3"-4.5" round pole ¹	2 Type 2	120 120V	DD 0-10V Dimming Driver	Fusing F1 Single (120, 277, 347VAC) ³	HIS Internal House Side Shield ⁶	BRA Bronze Anodized	
MA17L 17" Semi-Spherical Luminaire LED	48L 48 LEDs	700 700mA	WW-G3 Warm White 3000K, 70CRI Generation 3	AR2 for 4.5"+ round pole ¹	3 Type 3	208 208V	Photoelectric/ Receptacle Systems (Twist Lock Receptacle)	F2 Double (208, 240, 480VAC) ³	NA Natural Anodized		
CA22L 22" Cylindrical Luminaire LED	48L 48 LEDs	900 900mA	CW-G3 Cool White 5700K, 70CRI Generation 3	AR3 for square pole ¹	4 Type 4	240 240V		F3 Canadian Double Pull (208, 240, 480VAC) ³		BK Black paint	
MA22L 22" Semi-Spherical Luminaire LED	96L 96 LEDs	560 560mA	Wall Mount WM1 with arm ¹	AR3 for square pole ¹	5 Type 5	277 277V		Pole Mount Fusing		BZ Bronze paint	
	650 650mA			WM2 without arm ¹	UNV 120-277V 50hz/60hz	347 347V		TLRD5 Twist Lock Receptacle 5 Pin ^{4,5}		FP1 Single (120, 277, 347VAC) ³	WH White paint
				Mast Arm Fitter	HVU 347-480V 50hz/60hz	480 480V		TLRPC Twist Lock Receptacle with Photocell ^{3,4,5}		FP2 Double (208, 240, 480VAC) ³	MGY Medium Gray paint
			MA Mounts to a 2-3/8" O.D. mast arm ^{1,5}				Surge Protection SP1 Standard 10KVA SP2 Increased 20KVA	FP3 Canadian Double Pull (208, 240, 480VAC) ³	Customer specified		
									RAL Specify optional color (ex: RAL7024)		
									CC Custom color (Must supply color chip for color match quote)		

Retrofit kit ordering guide

Prefix	Number of LEDs	Drive Current	LED Color - Generation	Distr. ²	Voltage	Controls	Electrical
CA/MA17L-RK 17" Cylindrical or Semi-Spherical Retrofit Kit	32L 32 LEDs	450 450mA	NW-G3 Neutral White 4000K, 70CRI Generation 3	2 Type 2	120 347 120V 347V	DD 0-10V Dimming Driver	Surge Protection SP1 Standard 10KVA SP2 Increased 20KVA
		900 900mA		3 Type 3	208 480 208V 480V		
			WW-G3 Warm White 3000K, 70CRI Generation 3	4 Type 4	240 UNV 240V 120-277V		
				5 Type 5	277 HVU 277V 347-480V		
			CW-G3 Cool White 5700K, 70CRI Generation 3		50hz/60hz		



- Order and ship to the luminaire.
- Types 2, 3, and 4 optics are field rotatable.
- Must specify input voltage.
- Works with 3-pin or 5-pin NEMA photocell/dimming device.
- Not offered with MA17L or MA22L.
- Not available in Type 5.



CA/MA17L & CA/MA22L Form 10 LED luminaires

Site & Area – Round Arm Mount



Accessories (order separately)

Pole top fitters (one per pole):

PTF2-(F)

Pole top fitter fits 2 3/8-2 1/2" OD x 4" depth tenon with 1, 2, 3 or 4 luminaires at 90°. Requires AR1.

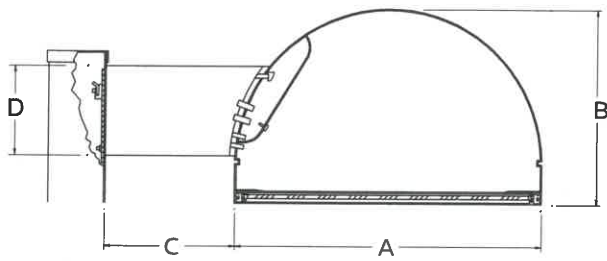
PTF3-(F)

Pole top fitter fits 3-3 1/2" OD x 6" depth tenon with 1, 2, 3 or 4 luminaires at 90°. Requires AR2.

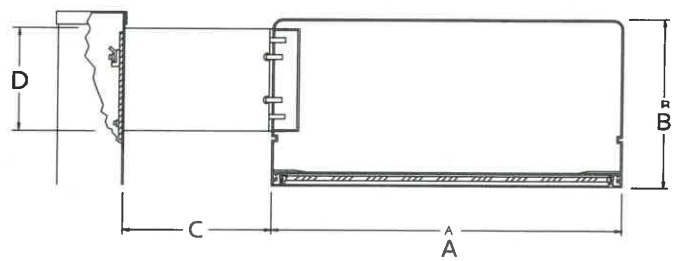
PTF4-(F)

Pole top fitter fits 3 1/2-4" OD x 6" depth tenon with 1, 2, 3 or 4 luminaires at 90°. Requires AR2.

Dimensions and EPA



MA style



CA style

Size	A	B	C	D	EPA's Single	EPA's Twin	EPA's Quad	Weight Single
MA17	17" 43.18 cm	11" 27.94 cm	5" 12.70 cm	5" 12.70 cm	.8ft ² .07m ²	1.6ft ² .15m ²	2.3ft ² .21m ²	27lbs. 12.25kg
MA22	22" 55.88 cm	14" 35.56 cm	7" 17.78 cm	5" 12.70 cm	1.3ft ² .12m ²	2.7ft ² .25m ²	3.7ft ² .34m ²	40lbs. 18.14kg

Size	A	B	C	D	EPA's Single	EPA's Twin	EPA's Quad	Weight Single
CA17	17" 43.18 cm	8" 20.32 cm	5" 12.70 cm	5" 12.70 cm	.7ft ² .07m ²	1.5ft ² .14m ²	2.1ft ² .20m ²	27lbs. 12.25kg
CA22	22" 55.88 cm	11" 27.94 cm	7" 17.78 cm	5" 12.70 cm	1.2ft ² .11m ²	2.3ft ² .21m ²	3.3ft ² .31m ²	42lbs. 19.05kg

LED Wattage and Lumen Values Form 10 CA/MA17L

Order Code	LED Qty	System Current (mA)	Color Temp (K)	Ave System Watts (W)	Type 2			Type 3			Type 4			Type 5		
					Lumen Output	BUG Rating	Efficacy (lm/W)	Lumen Output	BUG Rating	Efficacy (lm/W)	Lumen Output	BUG Rating	Efficacy (lm/W)	Lumen Output	BUG Rating	Efficacy (lm/W)
CA/MA17L-32L-450-NW-G3-x	32	450	4000	44	5887	B1-U0-G1	133	5642	B1-U0-G1	127	5827	B1-U0-G1	131	5758	B3-U0-G1	130
CA/MA17L-32L-900-NW-G3-x	32	900	4000	90	10450	B2-U0-G2	116	10015	B2-U0-G2	112	10344	B2-U0-G2	115	10221	B4-U0-G2	114
CA/MA17L-48L-700-NW-G3-x	48	700	4000	103	12822	B2-U0-G2	124	12288	B2-U0-G2	119	12692	B2-U0-G2	123	12541	B4-U0-G2	122

LED Wattage and Lumen Values Form 10 CA/MA17L with Internal House Side Shield

Order Code	LED Qty	System Current (mA)	Color Temp (K)	Ave System Watts (W)	Type 2-HIS			Type 3-HIS			Type 4-HIS		
					Lumen Output	BUG Rating	Efficacy (lm/W)	Lumen Output	BUG Rating	Efficacy (lm/W)	Lumen Output	BUG Rating	Efficacy (lm/W)
CA/MA17L-32L-450-NW-G3-x-HIS	32	450	4000	44	4910	B1-U0-G1	111	4627	B1-U0-G1	104	4444	B1-U0-G1	100
CA/MA17L-32L-900-NW-G3-x-HIS	32	900	4000	90	8717	B1-U0-G2	97	8214	B1-U0-G2	92	7889	B1-U0-G2	88
CA/MA17L-48L-700-NW-G3-x-HIS	48	700	4000	103	10695	B1-U0-G2	104	10078	B1-U0-G2	98	9679	B1-U0-G2	94

LED Wattage and Lumen Values Form 10 CA/MA22L

Order Code	LED Qty	System Current (mA)	Color Temp (K)	Ave System Watts (W)	Type 2			Type 3			Type 4			Type 5		
					Lumen Output	BUG Rating	Efficacy (lm/W)	Lumen Output	BUG Rating	Efficacy (lm/W)	Lumen Output	BUG Rating	Efficacy (lm/W)	Lumen Output	BUG Rating	Efficacy (lm/W)
CA/MA22L-48L-900-NW-G3-x	48	900	4000	135	16054	B3-U0-G2	119	15501	B2-U0-G2	115	15689	B2-U0-G2	116	15981	B4-U0-G2	118
CA/MA22L-96L-560-NW-G3-x	96	560	4000	160	21587	B3-U0-G2	135	20843	B3-U0-G3	130	21096	B3-U0-G3	132	21489	B5-U0-G3	134
CA/MA22L-96L-650-NW-G3-x	96	650	4000	186	24474	B3-U0-G3	131	23631	B3-U0-G3	127	23918	B3-U0-G3	128	24363	B5-U0-G3	131

CA/MA17L & CA/MA22L Form 10 LED luminaires

CONTRACT NO.

Site & Area – Round Arm Mount

CONTRACT MATERIAL
APPROVED
BY CH DATE 1/12/21

LED Wattage and Lumen Values Form 10 CA/MA22L with Internal House Side Shield

DIVISION OF
TRAFFIC ENGINEERING
DEPT. OF PUBLIC WORKS

Order Code	LED Qty	System Current (mA)	Color Temp (K)	Ave System Watts (W)	Type 2-HIS			Type 3-HIS			Type 4-HIS		
					Lumen Output	BUG Rating	Efficacy (lm/W)	Lumen Output	BUG Rating	Efficacy (lm/W)	Lumen Output	BUG Rating	Efficacy (lm/W)
CA/MA22L-48L-900-NW-G3-x-HIS	48	900	4000	135	12772	B1-U0-G2	89	12041	B1-U0-G2	84	11590	B1-U0-G2	80
CA/MA22L-96L-560-NW-G3-x-HIS	96	560	4000	160	17174	B2-U0-G2	100	16190	B1-U0-G3	95	15584	B1-U0-G2	91
CA/MA22L-96L-650-NW-G3-x-HIS	96	650	4000	186	19471	B2-U0-G2	98	18356	B2-U0-G3	92	17668	B1-U0-G3	89

Values from photometric tests performed in accordance with IESNA LM-79 and are representative of the configurations shown. Actual performance may vary due to installation and environmental variables, LED and driver tolerances, and field measurement considerations. It is highly recommended to confirm performance with a photometric layout.

NOTE: Some data may be scaled based on tests of similar (but not identical) luminaires. Contact factory for configurations not shown.

Specifications

General Description

The Gardco Form 10 LED round products are cutoff luminaires featuring LED arrays. Form 10 LED round luminaires provide performance excellence and advanced Gardco LED thermal management technology. High performance Class 1 LED systems offer the potential for energy savings up to 50 % when compared to HID systems. Housings are one-piece seamless spun aluminum and finished with either Architectural Class 1 anodizing, electrostatically applied TGIC polyester powdercoat or polyurethane. Luminaires provide full cutoff performance.

Housing

Housing is one piece, .100" (25cm) seamless aluminum with integral rolled circumferential reveal and lower section aperture incorporating a returned flange stiffener to protect against housing edge deformation.

Arm

Extruded aluminum arm is secured to prewired fixture by contractor. Assembly is suitable for mounting to pole without requiring access to luminaire. Internal extruded channels capture tie rods for proper luminaire to pole alignment.

Lens

One piece, diecast aluminum door frame retains the optically clear, heat and impact resistant tempered flat glass, in a sealed manner using hollow section, high compliance, memory retentive extruded silicone rubber. Concealed stainless steel hinge and two (2) fasteners secure lens assembly to luminaire.

Thermal Management

Form 10 LED round luminaires utilize extruded aluminum integral thermal radiation fins to provide the excellent thermal management so critical to long LED system life.

LED Optical System

LED arrays are set to achieve IES Type II, Type III, Type IV and Type V distributions. Individual LED arrays are replaceable. Optical systems are field rotatable. Luminaires feature high performance Class 1 LED systems.

Electrical

Luminaires include a complete prewired LED driver assembly, provided as part of the optical assembly. Luminaires include an LED driver that accepts 120V through 277V, or 347V through 480V, 50hz to 60hz, input. Driver output is based on the LED wattage selected. Component-to-component wiring within the luminaire will carry no more than 80% of rated current and is listed by UL for use at 600 VAC at 302°F / 150°C or higher. Plug disconnects are listed by UL for use at 600 VAC, 15A or higher. Power factor is not less than 90%. Luminaires consume 0.0 watts in the off state. Surge protector 10KA standard per ANSI/IEEE C62.41.2 or 20KA optional.

Finish

Anodized housings are created with an Aluminum Association Architectural Class I anodizing process to achieve a bronze, black or natural aluminum finish. Painted units are finished with hardcoat, fade resistant, electrostatically applied TGIC polyester powdercoat or polyurethane.

Labels

UL/cUL listed to the UL 1598 standard, suitable for Wet Locations. Suitable for use in ambients from -40° to 40°C (-40° to 104°F). The quality systems of this facility have been registered by UL to the ISO 9001 series standards. Most Form 10 configurations are DesignLights Consortium® qualified. Consult DLC Qualified Products list for more details.

Limited Warranty

5 year limited warranty. See signify.com/outdoorluminaires for complete details and exclusions.

Predicted Lumen Depreciation Data

Ambient Temperature °C	System Current	LED Current	Calculated L70hrs ^{1,2}	L70 per TM21 ^{1,3}	Lumen Maintenance @ 60,000hrs
25 °C	900 mA	900 mA	>100,000	>60,000	98%

1. Predicted performance derived from LED manufacturer's data and engineering design estimates, based on IESNA LM-80 methodology. Actual experience may vary due to field application conditions.
2. L70 is the predicted time when LED performance depreciates to 70% of initial lumen output.
3. Calculated per IESNA TM 21-11. Published L70 hours limited to 6 times actual LED test hours.



ROUND TAPERED STEEL DS210 Light Duty



Job Name: _____	Client Name: _____
Job Location - City: _____ State: _____	Created By: _____ Date: _____
Product: DS210 --- Quote: _____	Customer Approval: _____ Date: _____

DESIGNATION, LOAD AND DIMENSIONAL DATA

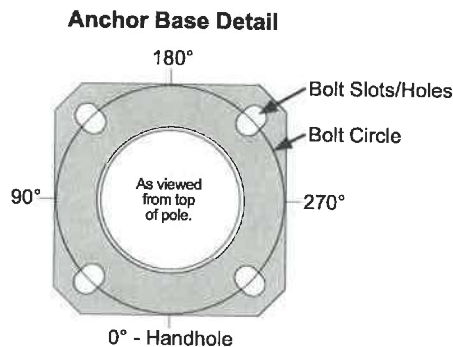
NOMINAL MOUNTING HEIGHT	DESIGN INFORMATION						POLE DIMENSIONS				DESIGNATION
	80 MPH w/1.3 GUST		90 MPH w/1.3 GUST		100 MPH w/1.3 GUST		BASE OD (IN)	TOP OD (IN)	WALL THK (GA)	STRUCTURE WEIGHT ² (LBS)	
	MAX EPA ¹ (SQ.FT)	MAX WEIGHT ¹ (LBS)	MAX EPA ¹ (SQ.FT)	MAX WEIGHT ¹ (LBS)	MAX EPA ¹ (SQ.FT)	MAX WEIGHT ¹ (LBS)					
20'-0"	19.3	482	15.1	377	12.2	305	5.90	3.10	11	140	590A200
	24.2	605	19.3	482	15.6	390	6.50	3.70	11	160	650A200
25'-0"	12.5	312	9.9	247	8.0	200	5.90	2.40	11	155	590A250
	20.3	507	16.2	405	13.1	327	7.00	3.50	11	200	700A250
30'-0"	30.5	760	24.0	625	19.8	495	7.00	3.50	7	280	700E250
	11.7	292	9.3	232	7.5	187	6.60	2.40	11	200	660A300
35'-0"	18.9	473	14.9	373	12.0	300	8.00	3.80	11	265	800A300
	11.2	280	8.9	222	7.1	177	7.30	2.40	11	250	730A350
39'-0"	18.9	472	15.1	377	12.2	305	8.50	3.60	11	315	850A350
	23.2	580	18.2	455	14.5	363	9.50	4.60	11	370	950A350
45'-0"	10.7	267	8.5	212	6.6	165	7.82	2.40	11	285	782A389
	17.2	430	13.5	338	10.8	270	9.00	3.58	11	355	900A389
50'-0"	28.5	715	23.0	575	19.0	475	9.00	3.58	7	515	900E389
	17.4	435	13.5	338	10.6	265	10.00	3.70	11	450	T00A450
50'-0"	28.5	715	23.0	575	19.0	475	10.00	3.70	7	650	T00E450
	13.2	330	10.6	265	8.3	208	10.00	3.00	11	475	T00A500
	20.5	512	16.5	412	13.6	340	10.00	3.00	7	680	T00E500

DS210 Heavy Duty poles available at valmontstructures.com

- Maximum EPA (Effective Projected Area) and weight values are based on top mounted luminaires and/or brackets having a centroid 2'-6" above the Nominal Mounting Height. Variations from sizes above are available upon inquiry at the factory. Satisfactory performance of poles is dependent upon the pole being properly attached to a supporting foundation of adequate design.
- Structure weight is a nominal value which includes the pole shaft and base plate only.

ANCHORAGE DATA

POLE	BASE PLATE				ANCHOR BOLTS				
	BASE OD (IN)	WALL THK (GA)	BOLT CIRCLE		SQUARE	THK (IN)	DIA x LENGTH x HOOK (IN)	PROJECTION (IN)	± (IN)
5.90	11	9.00	0.50	10.00	0.875	1.00 x 36.00 x 4.00	4.13	0.25	
6.50	11	9.50	0.50	10.50	0.875	1.00 x 36.00 x 4.00	4.13	0.25	
6.60	11	9.50	0.50	10.50	0.875	1.00 x 36.00 x 4.00	4.13	0.25	
7.00	11	10.00	0.50	10.88	0.875	1.00 x 36.00 x 4.00	4.13	0.25	
7.00	7	10.00	0.50	10.88	1.000	1.00 x 36.00 x 4.00	4.25	0.25	
7.30	11	10.50	0.50	11.25	0.875	1.00 x 36.00 x 4.00	4.13	0.25	
7.82	11	11.00	0.50	11.50	0.875	1.00 x 36.00 x 4.00	4.13	0.25	
8.00	11	11.00	0.50	11.50	0.875	1.00 x 36.00 x 4.00	4.13	0.25	
8.00	7	11.00	0.50	11.50	1.250	1.25 x 42.00 x 6.00	5.00	0.25	
8.50	11	11.50	0.50	12.00	1.000	1.00 x 36.00 x 4.00	4.25	0.25	
9.00	11	12.50	0.50	12.38	1.000	1.00 x 36.00 x 4.00	4.25	0.25	
9.00	7	12.50	0.50	12.38	1.250	1.25 x 42.00 x 6.00	5.00	0.25	
9.50	11	13.00	0.50	13.00	1.000	1.00 x 36.00 x 4.00	4.25	0.25	
10.00	11	13.50	0.50	14.00	1.000	1.00 x 36.00 x 4.00	4.25	0.25	
10.00	7	13.50	0.50	14.00	1.250	1.25 x 42.00 x 6.00	5.00	0.25	



PRODUCT ORDERING CODE

MODEL	DESIGNATION	FIXTURE MOUNTING	FINISH SYSTEM	STANDARD COLOR OPTIONS	BASE COVER	ANCHOR BOLTS	SUPPLEMENTAL INFO
DS210	900E389		-- FPGV	-- BK	-- NC	-- AB	
	Select Correct Designation from the Load and Dimensional Data Chart.	Drill Mounting (See Orientation) D1 = (1) Drilling @ 270° D2 = (2) Drillings @ 90° & 270° D3 = (3) Drillings @ 60°, 180°, & 300° D4 = (4) Drillings @ 0°, 90°, 180°, & 270° D5 = (2) Drillings @ 180° & 270° D6 = (3) Drillings @ 90°, 180°, & 270° Tenon Mounting P2 = 2.38" OD x 4" tenon P4 = 4.00" OD x 6" tenon P5 = 2.88" OD x 4" tenon P6 = 2.88" OD x 5" tenon P7 = 2.38" OD x 5" tenon P9 = Special Size (Specify) Other Options PC = Pole Cap PL = Plain Top (No Cap)	GV = Galvanized FP = Finish Painted ---OPTIONAL--- FPGV = Finish Paint over Galvanizing VP30 = V-PRO® 30 System VP32 = V-PRO® 32 System VP53 = V-PRO® 53 System VP54 = V-PRO® 54 System VP57 = V-PRO® 57 System VP100 = V-PRO® 100 System VP105 = V-PRO® 105 System	GV = Galvanized BK = Black DB = Dark Bronze MB = Medium Bronze WH = White LG = Light Gray CB = Bronze DG = Dark Green ST = Sandstone HG = Hunter Green SG = Slate Gray SL = Silver SC = Special Color (Specify)	FBC = Full Base Cover ---OPTIONAL--- NC = Nut Covers 2T = Square Dart Cover DT = Dart Round Cover	AB = With Anchor Bolts LAB = Without Anchor Bolts	



CONTRACT DRAWING
 PRINTS NOT BEARING THIS STAMP WERE MADE PRIOR TO ADVERTISING AND SHOULD BE CONSIDERED OBSOLETE FOR CONTRACT PURPOSES.

Department of Transportation and Engineering
 City of Cincinnati
 801 Plum Street
 Cincinnati, Ohio 45202

VALMONT POLE REPLACEMENT DETAILS

Revisions

No.	Date	Description

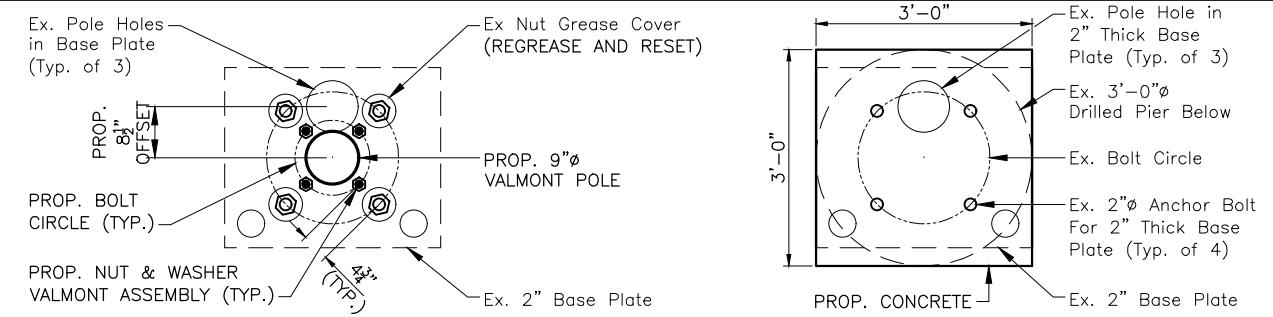
Date	09/2024
Designed by	FES
Checked by	RMR
Reviewed by	BML
	RLK

Consultant

Structure File Number

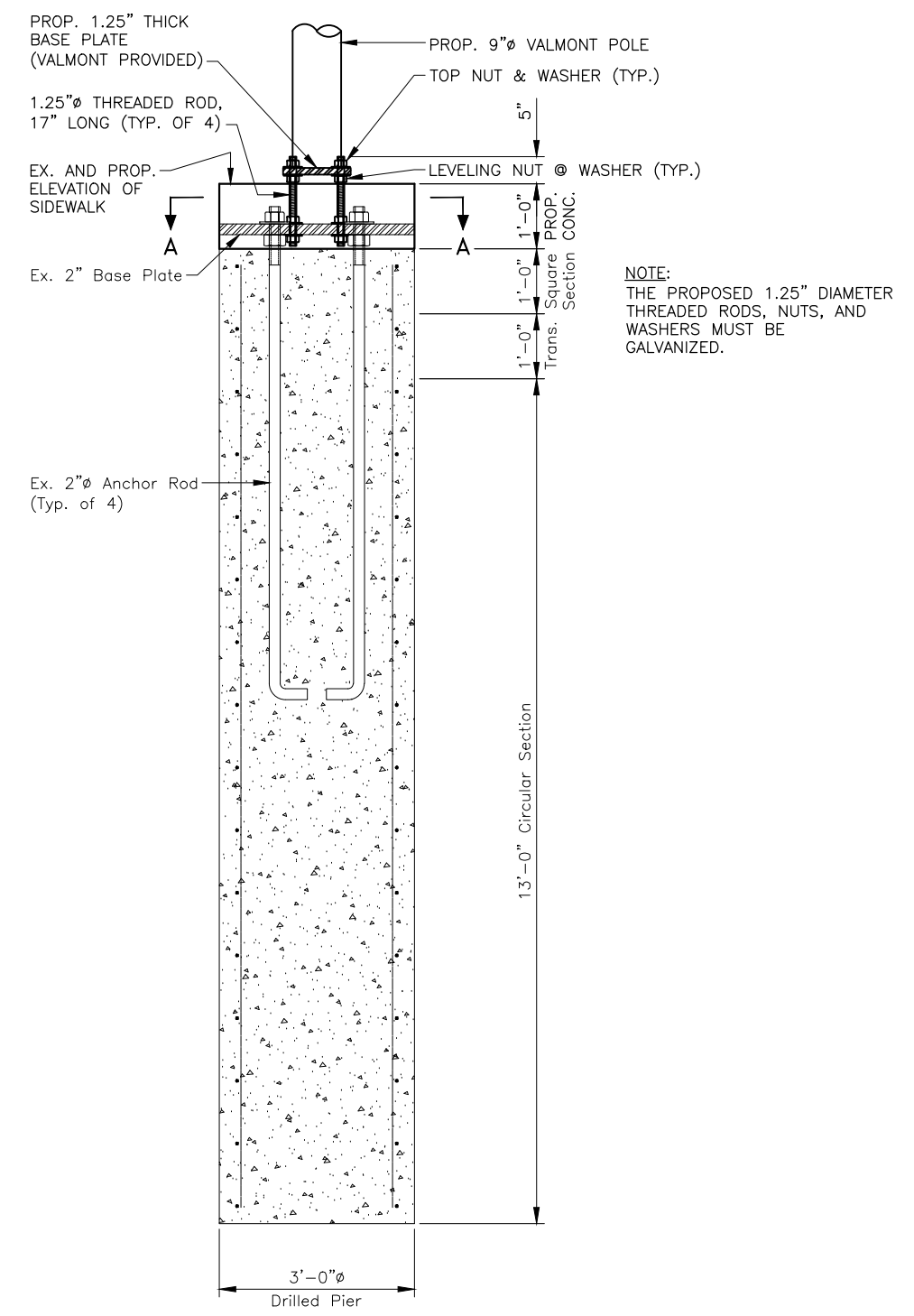
ACC No.

1
2



PROP. BASEPLATE VALMONT CENTERED

EX. 2" BASEPLATE SECTION A-A



MPL POLE FOUNDATION WITH VALMONT POLE RETROFIT

Valmont Notes:

Remove the existing poles and excavate the 2" thick baseplate.

Carefully remove the nut covers and nuts and save them for reuse. Remove the 2" thick base plate to shop-perform the proposed modifications.

In the shop, drill at the locations indicated new holes for the proposed threaded rods into the existing 2" thick baseplate.

For Valmont poles, these holes must be 1-3/8" in diameter (for 1.25" diameter bolts) at a 12.5" diameter bolt circle.

Prior to drilling, lay out the bolt circle, and hole location at the offset indicated in these drawings.

In the shop, install the proposed threaded rods and fasten them with nuts and washers to both sides of the 2" thick plate. New rod must extend the indicated length toward the top of the plate.

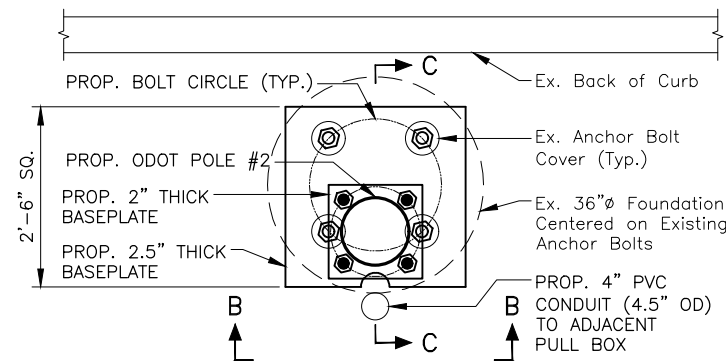
In the field, reset the 2" thick plate over the existing bolts. Check tightness of the new nuts attaching the replacement rods.

Tighten the existing nuts of the 2" diameter foundation bolts. Reset the existing bolt covers after re-greasing them and weld as indicated in the City Standard Drawings ES-8-15 to the 2" thick plate.

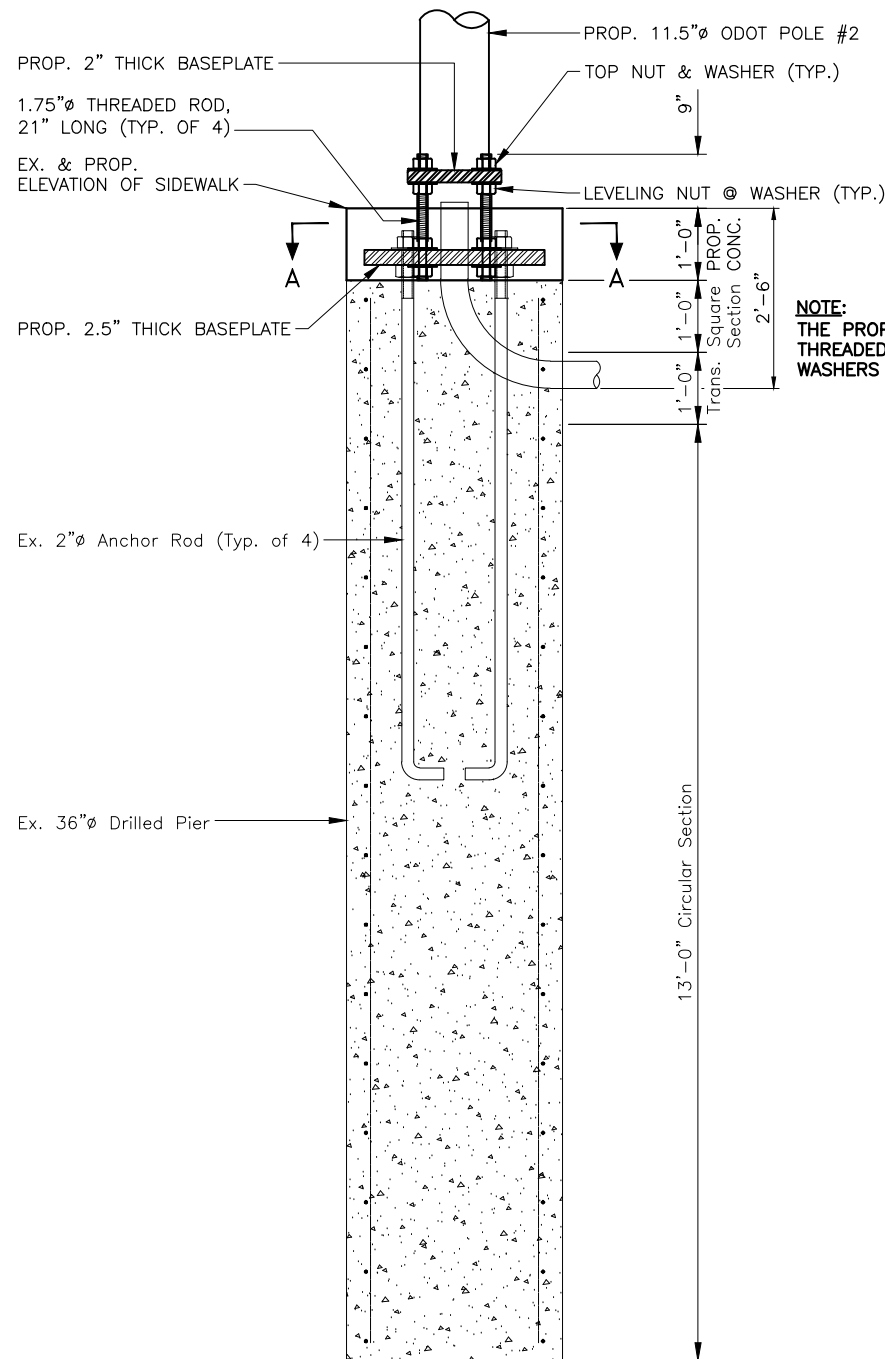
Install template of baseplate for the Valmont poles, run electrical conduits.

Grout and pour sidewalk as indicated in the City Standard Drawings ES-8-18. Replace baseplate template with final poles and connect electrical wires.

PROFESSIONAL STAMP

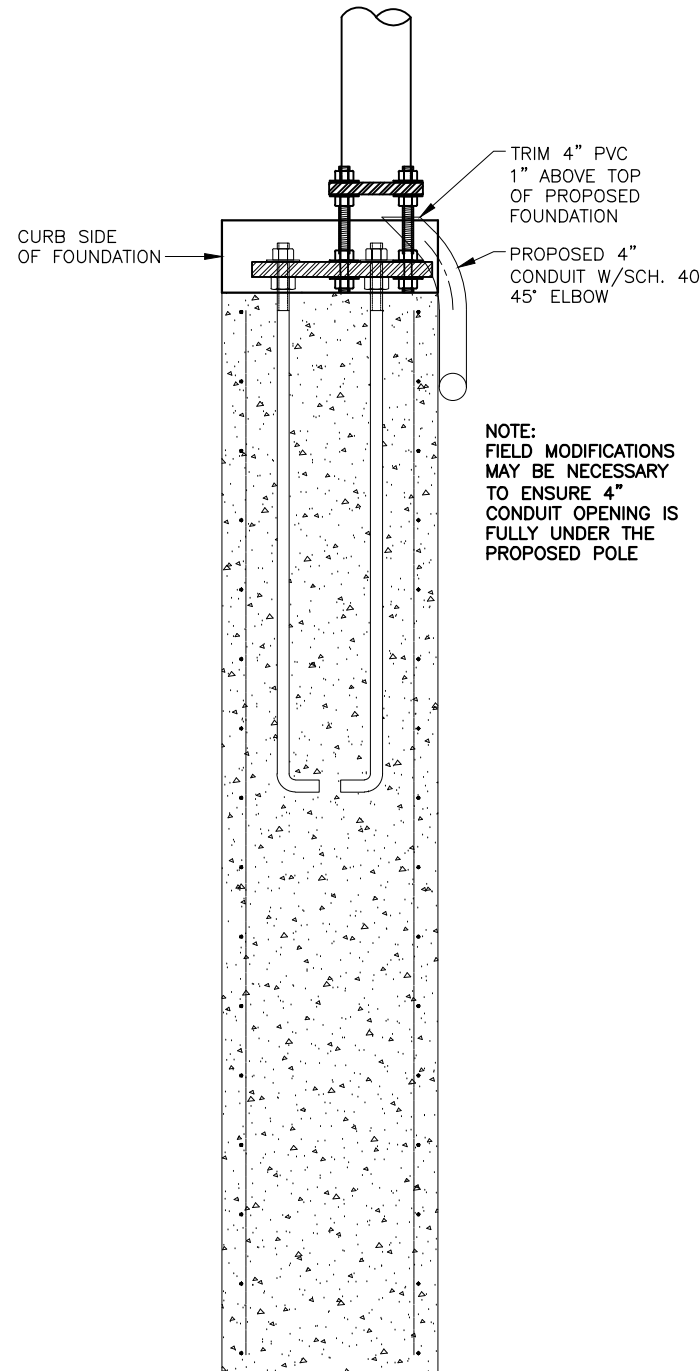


PROP. REPLACEMENT BASEPLATE FOR ODOT POLE #2 SECTION A-A

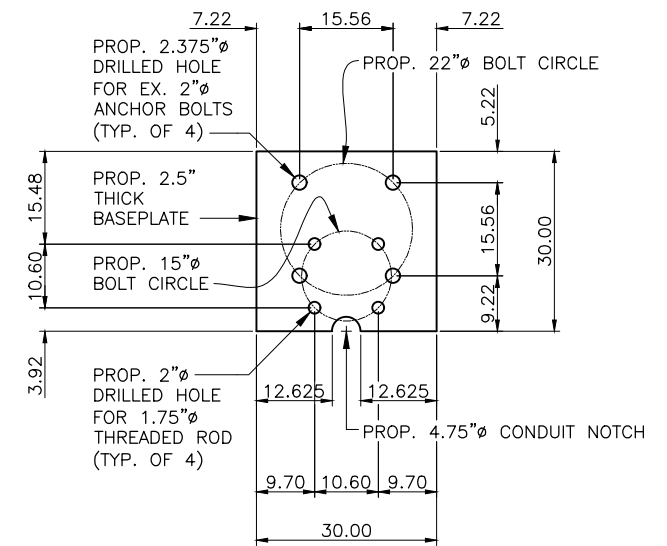


NOTE:
THE PROPOSED 1.75" DIAMETER THREADED RODS, NUTS, AND WASHERS MUST BE GALVANIZED.

**SECTION B-B
MPL POLE FOUNDATION WITH
ODOT DESIGN 2 POLE RETROFIT**



SECTION C-C



PROP. 2.5" THICK BASEPLATE TEMPLATE

ODOT Design 2 Notes:

Remove the existing poles and excavate the 2" thick baseplate.

Carefully remove the nut covers and nuts and save them for reuse. Remove the 2" thick baseplate and pole, deliver existing 2" thick baseplate and pole to traffic services to store for future use.

Install the new 2.5" thick baseplate with the pre-installed 1.75" diameter anchor rods attached. Anchor rods must extend the indicated length toward the top of the plate.

In the field, set the 2.5" thick plate over the existing bolts. Check tightness of the new nuts attaching the replacement rods.

Tighten the existing nuts (new replacement nuts are acceptable) of the 2" diameter foundation bolts. Reset the existing bolt covers after re-greasing them and weld as indicated in the City Standard Drawings ES-8-15 to the 2.5" thick plate.

Install template of base plate for the ODOT Design #2 poles, run electrical conduits per details on the plans.

Grout and pour sidewalk as indicated in the City Standard Drawings ES-8-18. Replace baseplate template with final poles and connect electrical wires.



CONTRACT DRAWING
PRINTS NOT BEARING THIS STAMP WERE MADE PRIOR TO ADVERTISING AND SHOULD BE CONSIDERED OBSOLETE FOR CONTRACT PURPOSES.

Department of Transportation and Engineering
City of Cincinnati
801 Plum Street
Cincinnati, Ohio 45202

**ODOT POLE DESIGN 2
RETROFIT
DETAILS**

Revisions	No.	Date

Drawn by	FES
Designed by	RMR
Checked by	BML
Reviewed by	AJC

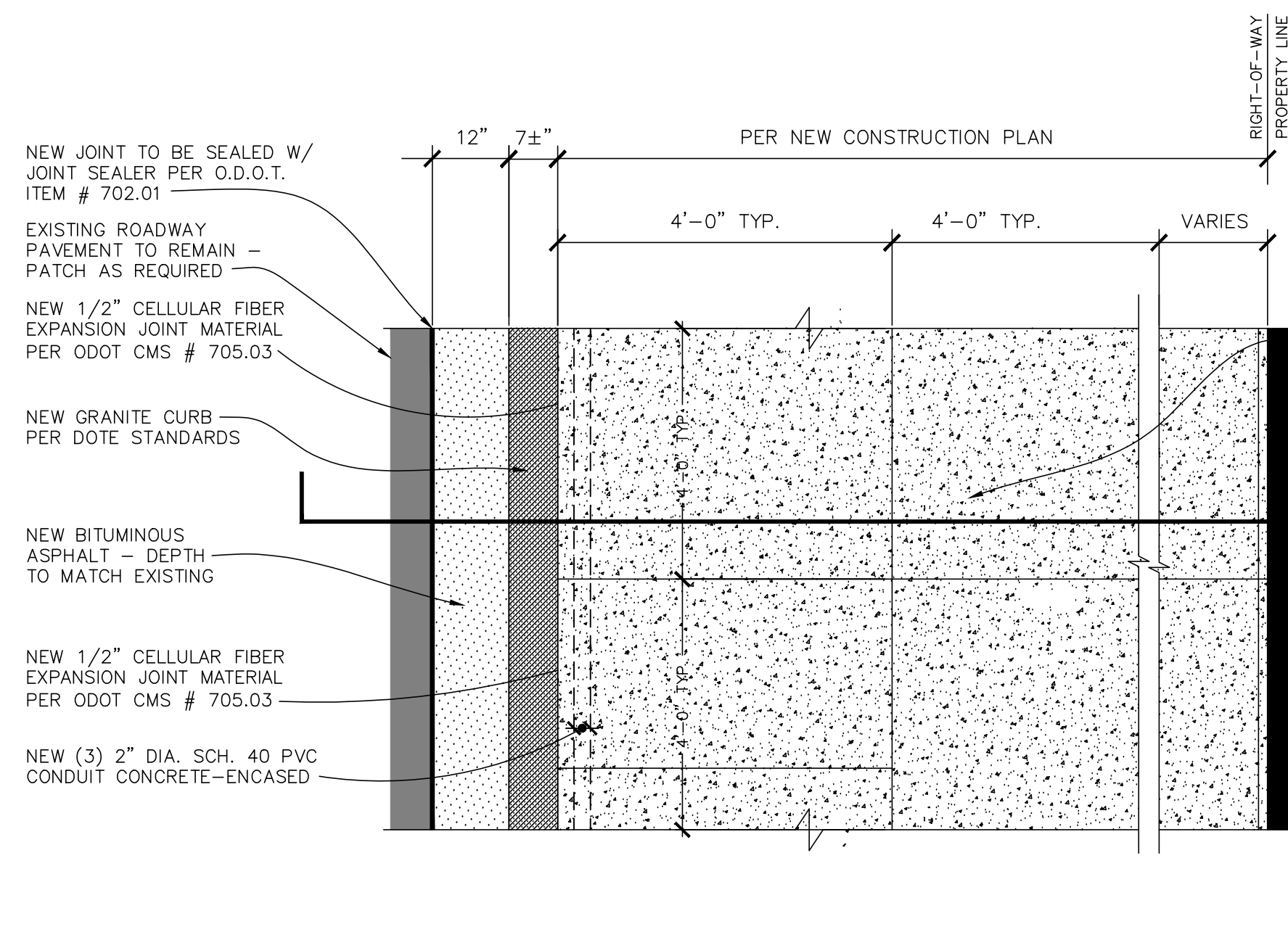
Consultant

PROFESSIONAL STAMP

Structure File Number _____

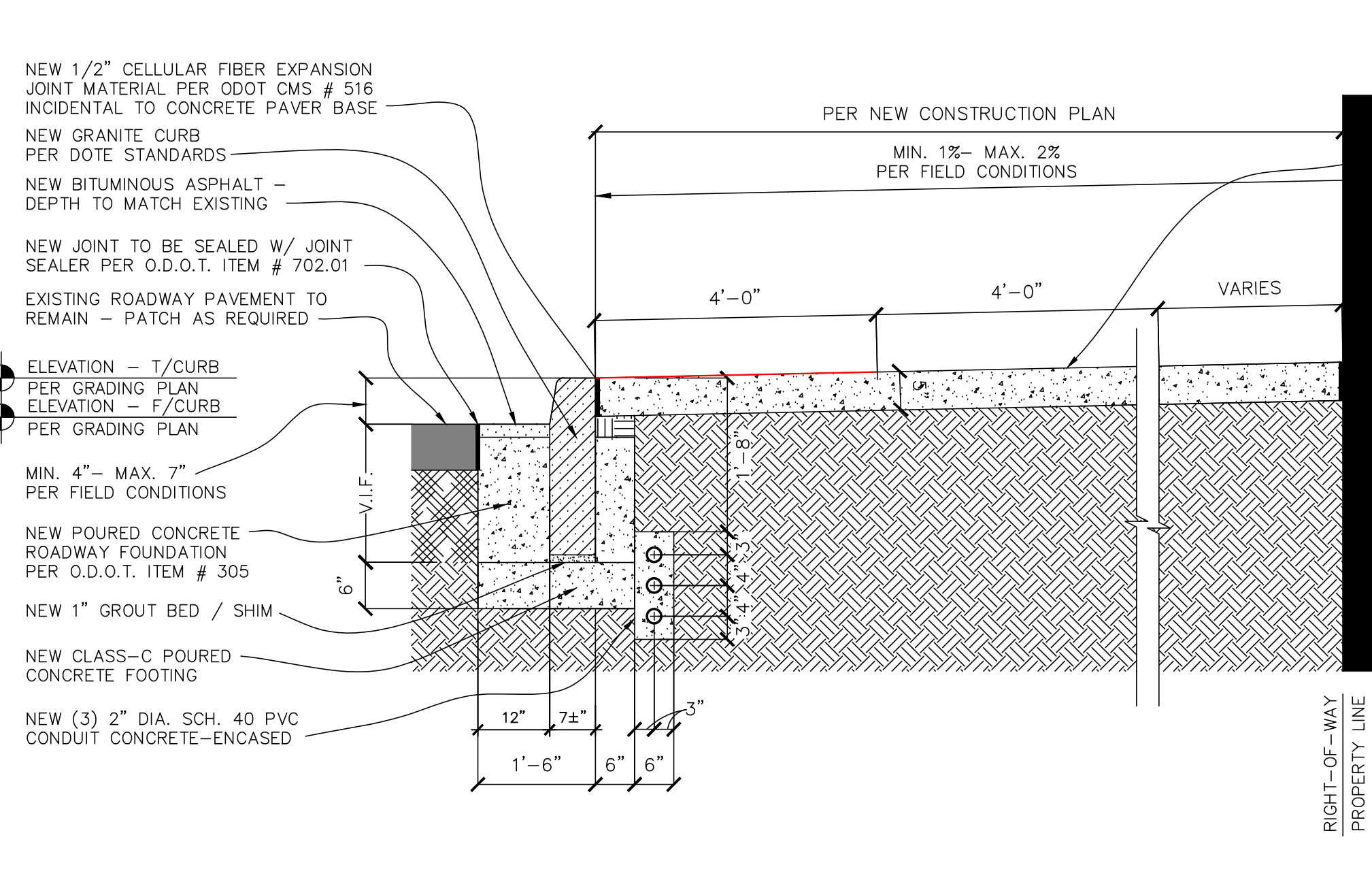
ACC No. _____

2/2



Typical Concrete Sidewalk Plan w/Granite Curb
SCALE: N.T.S.

1
C101



Typical Concrete Sidewalk Section w/Granite Curb
SCALE: N.T.S.

2
C101

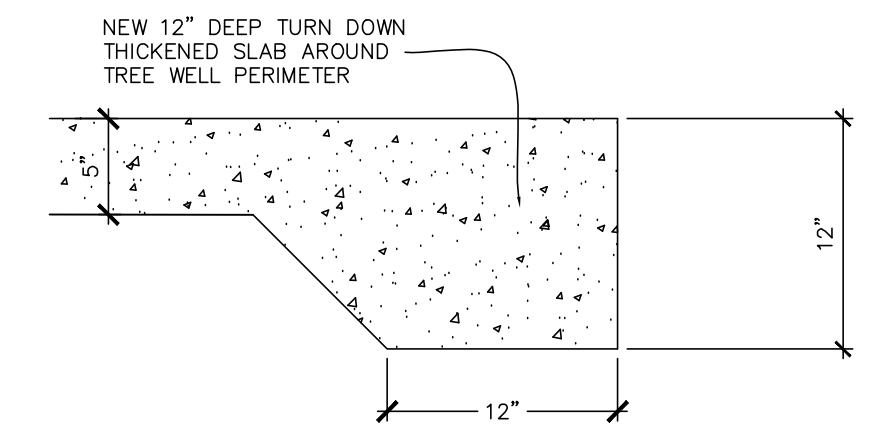
NOTES FOR INTERSECTION OF BACK OF WALK, R/W LINE, PROPERTY LINE:
AT LOCATIONS WHERE NEW SIDEWALK ABUTS EXISTING CONCRETE OR BITUMINOUS PAVEMENT INSTALL NEW 1/2" CELLULAR FIBER EXPANSION JOINT MATERIAL PER ODOT CMS # 516 INCIDENTAL TO CONCRETE WALK.
AT LOCATIONS WHERE NEW SIDEWALK ABUTS AN EXISTING STRUCTURE OR BUILDING LINE WITH A SMOOTH SURFACE, INSTALL NEW 1/2" CELLULAR FIBER EXPANSION JOINT MATERIAL PER ODOT CMS # 516 INCIDENTAL TO CONCRETE WALK.
AT LOCATIONS WHERE NEW SIDEWALK ABUTS AN EXISTING STRUCTURE OR BUILDING LINE WITH AN IRREGULAR / ROCKY SURFACE, INSTALL NEW 1/2" FLEXIBLE FOAM EXPANSION JOINT MATERIAL PER ODOT CMS # 516 INCIDENTAL TO CONCRETE WALK.

SOIL MIX SCHEDULE *

SPECIAL SOIL MIX (A):

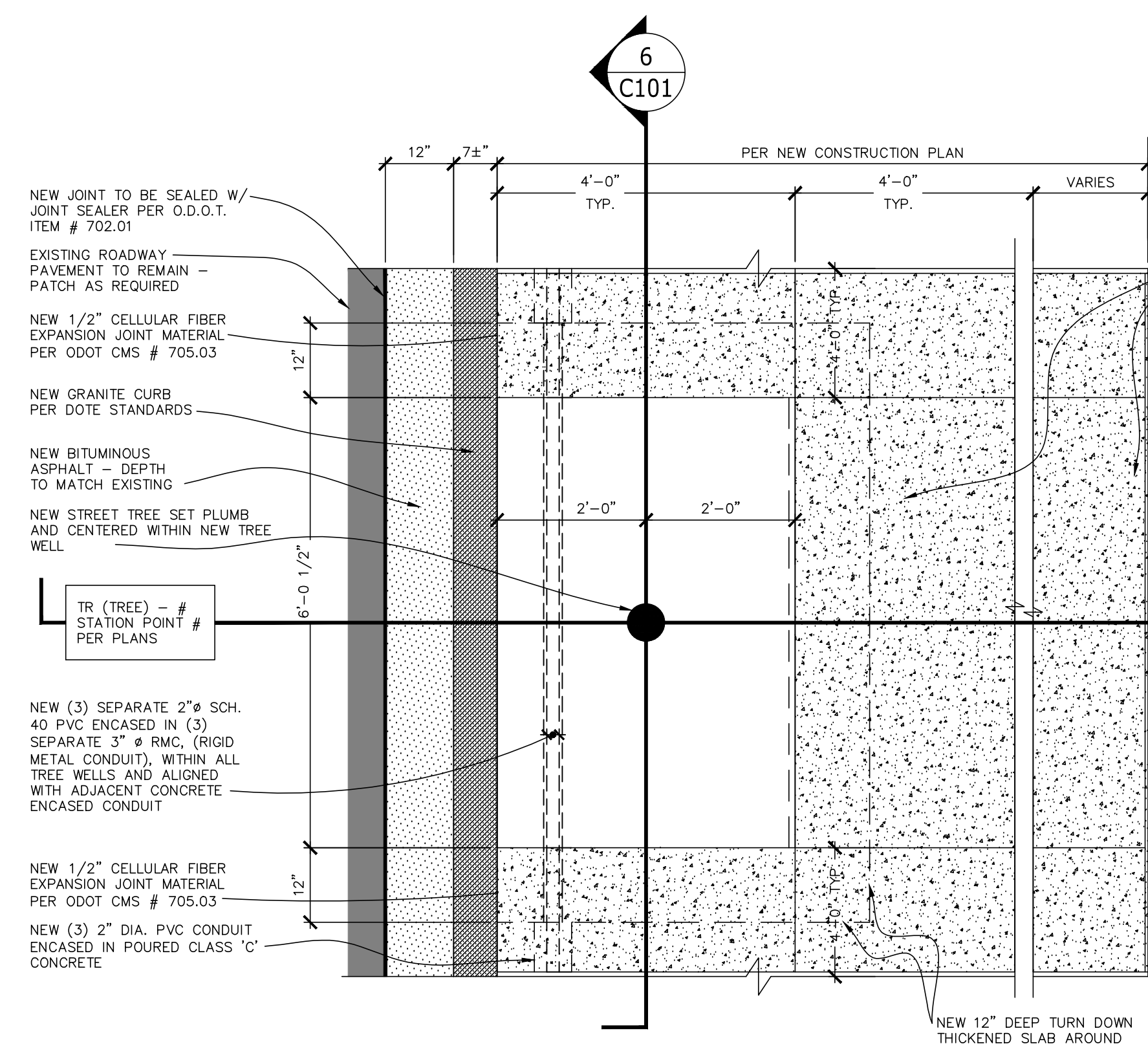
MIXTURE:
50% SAND
35% TOPSOIL
15% ORGANIC MATTER

* SOIL MIX NOTES:
1. SOIL MIX A TO BE INSTALLED BY GENERAL CONTRACTOR. GENERAL CONTRACTOR TO COORDINATE W/ CITY PROJECT ENGINEER AND PARK BOARD, URBAN FORESTRY, AS REQUIRED.



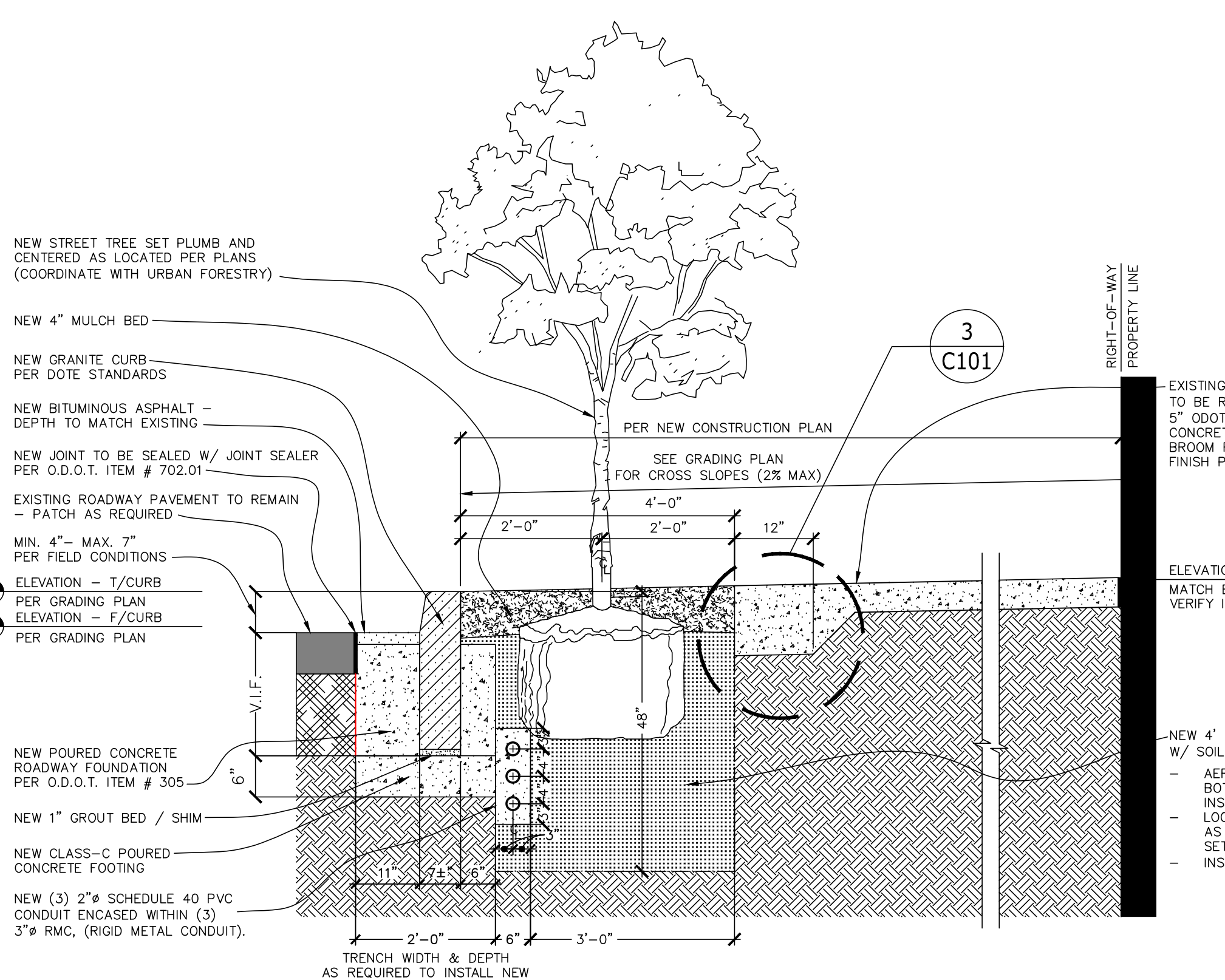
Tree Well Curb Detail
SCALE: N.T.S.

3
C101



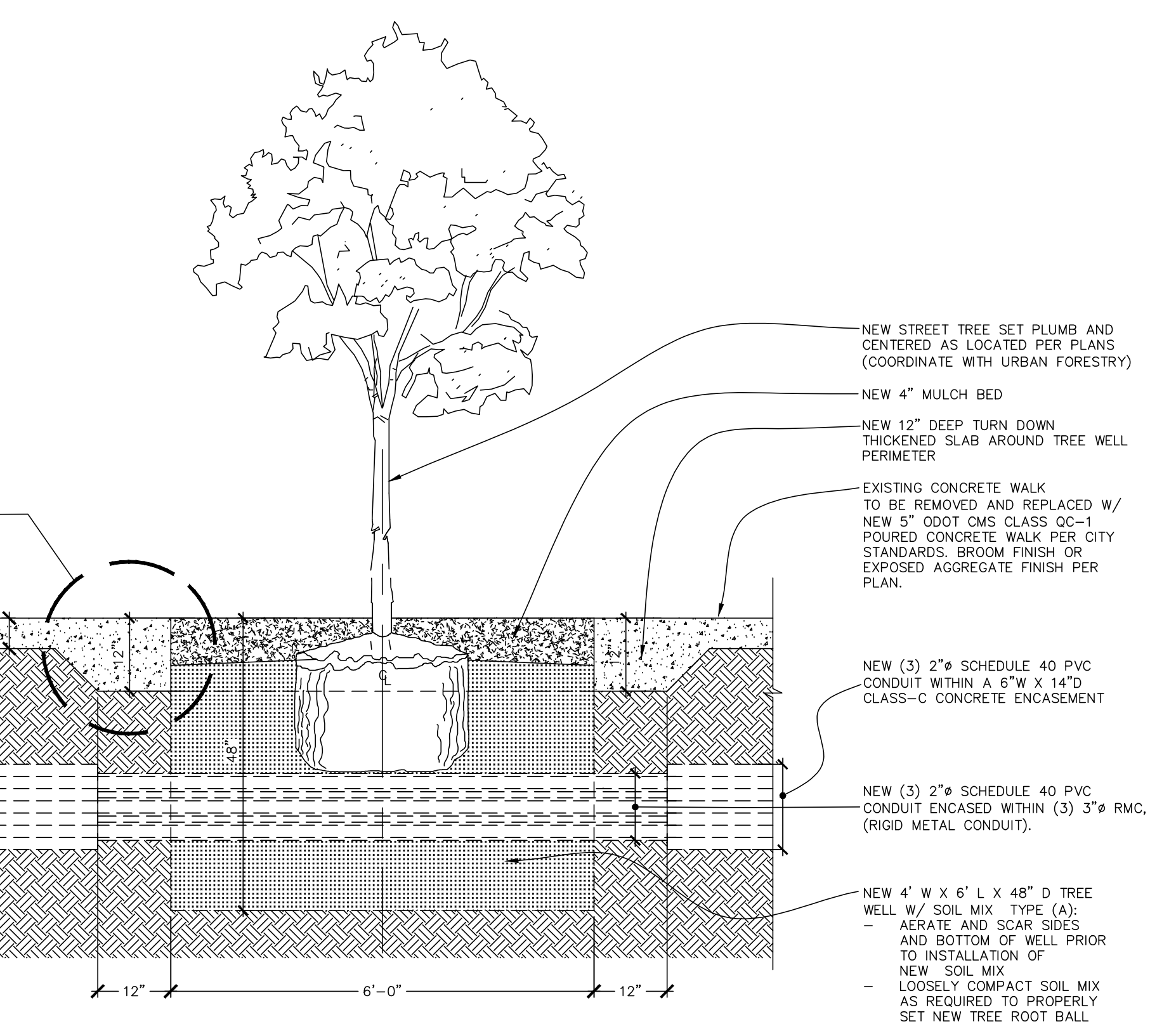
Typical Concrete Sidewalk Plan Detail w/ New Tree Well
SCALE: N.T.S.

4
C101



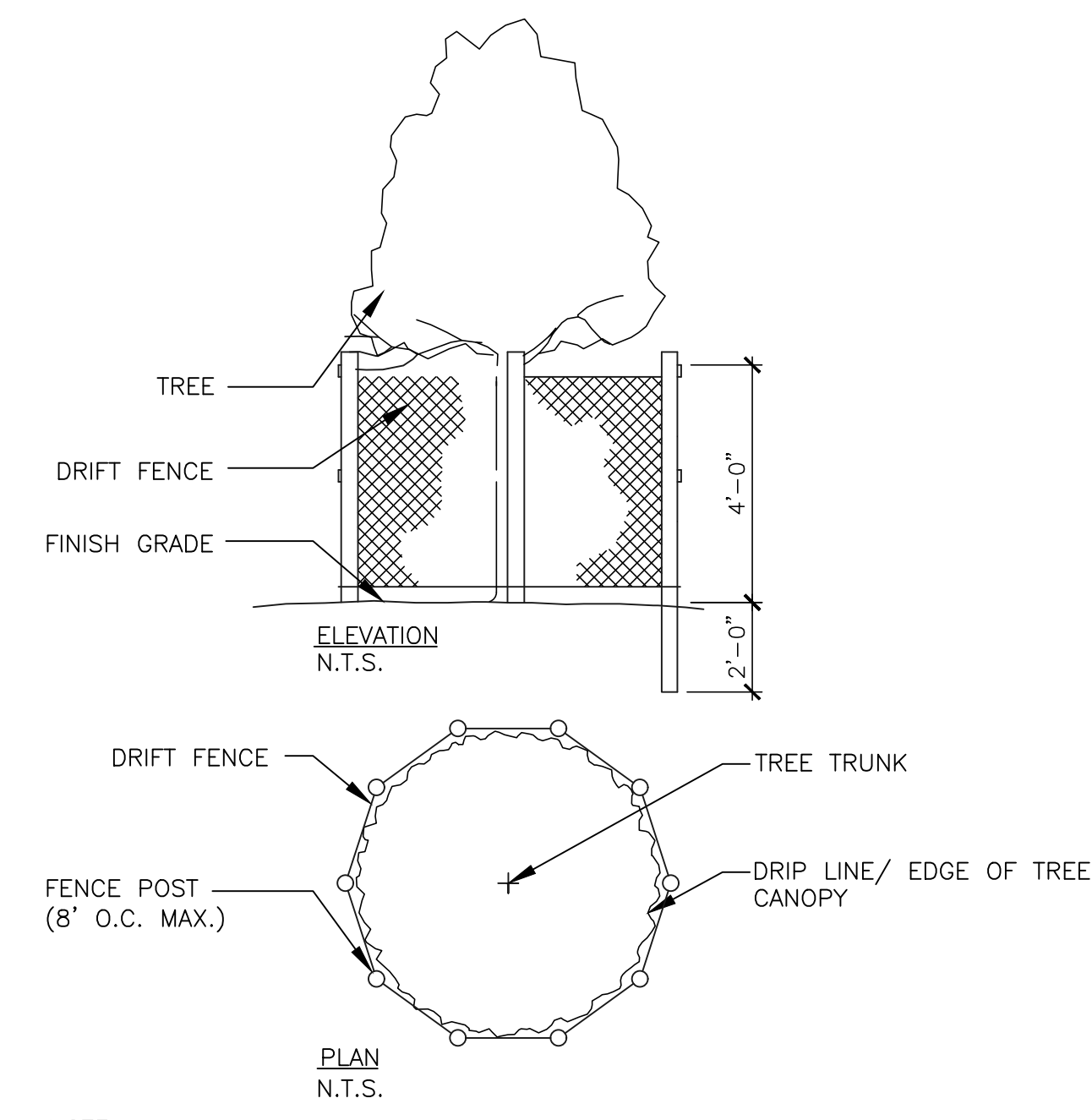
Typical Tree Well Section
SCALE: N.T.S.

5
C101



Typical Tree Well Section
SCALE: N.T.S.

6
C101



NOTE:
1. DRIFT FENCE SHALL BE LOCATED AT THE OUTER PERIMETER OF THE SPREAD OF THE BRANCHES (DRIP LINE) EXCEPT WHERE PROHIBITED BY EXISTING PAVEMENTS OR STRUCTURES.
2. CONTRACTOR SHALL MAINTAIN INTEGRITY OF TREE PROTECTION FENCE THROUGHOUT THE PROJECT. REPAIR DAMAGED FENCING IMMEDIATELY. TREE PROTECTION FENCE SHALL NOT BE RELOCATED, FOR ANY REASON, WITHOUT WRITTEN CONSENT FROM OWNER.

7
C101
TREE PROTECTION DETAIL
NOT TO SCALE

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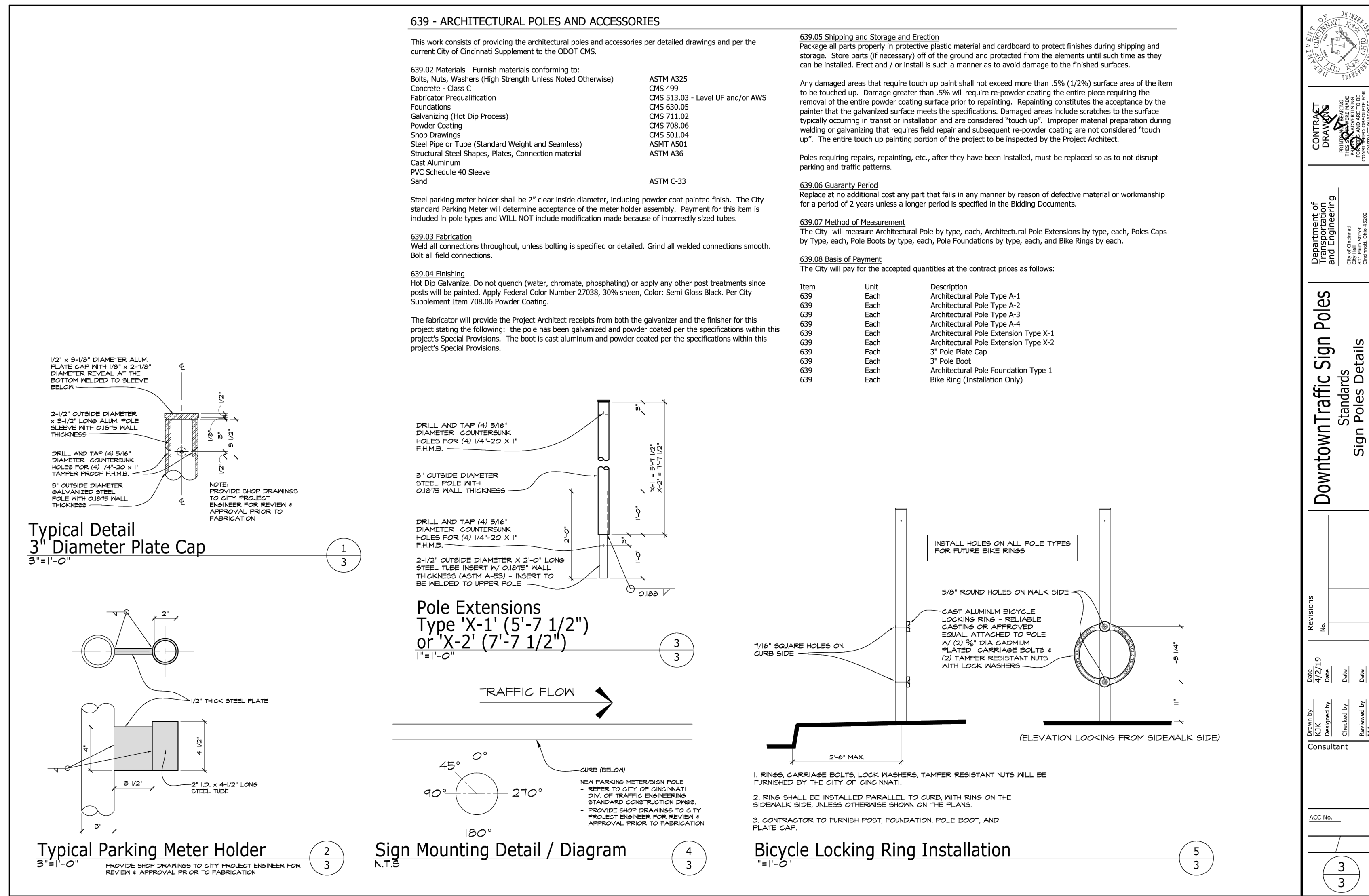
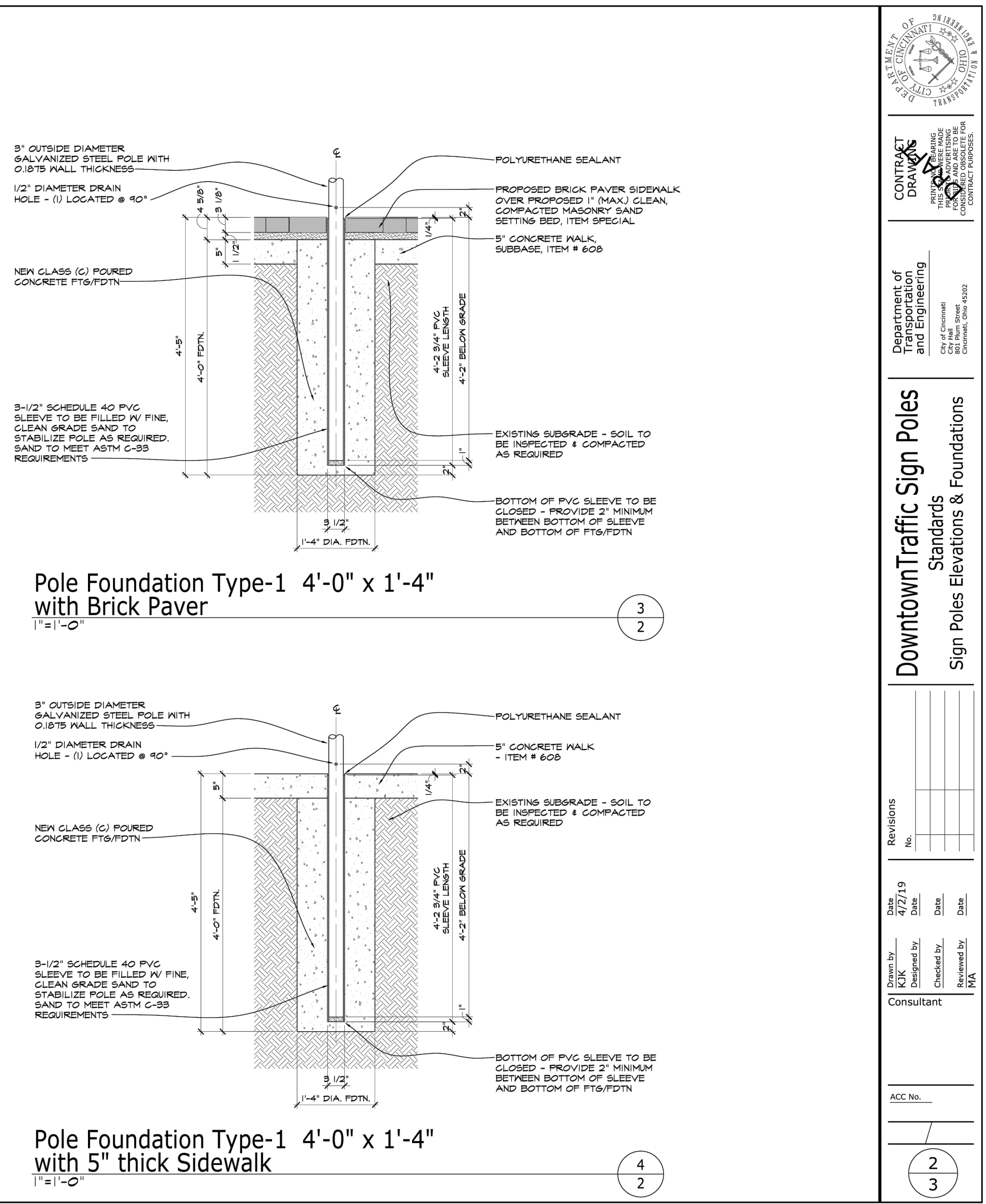
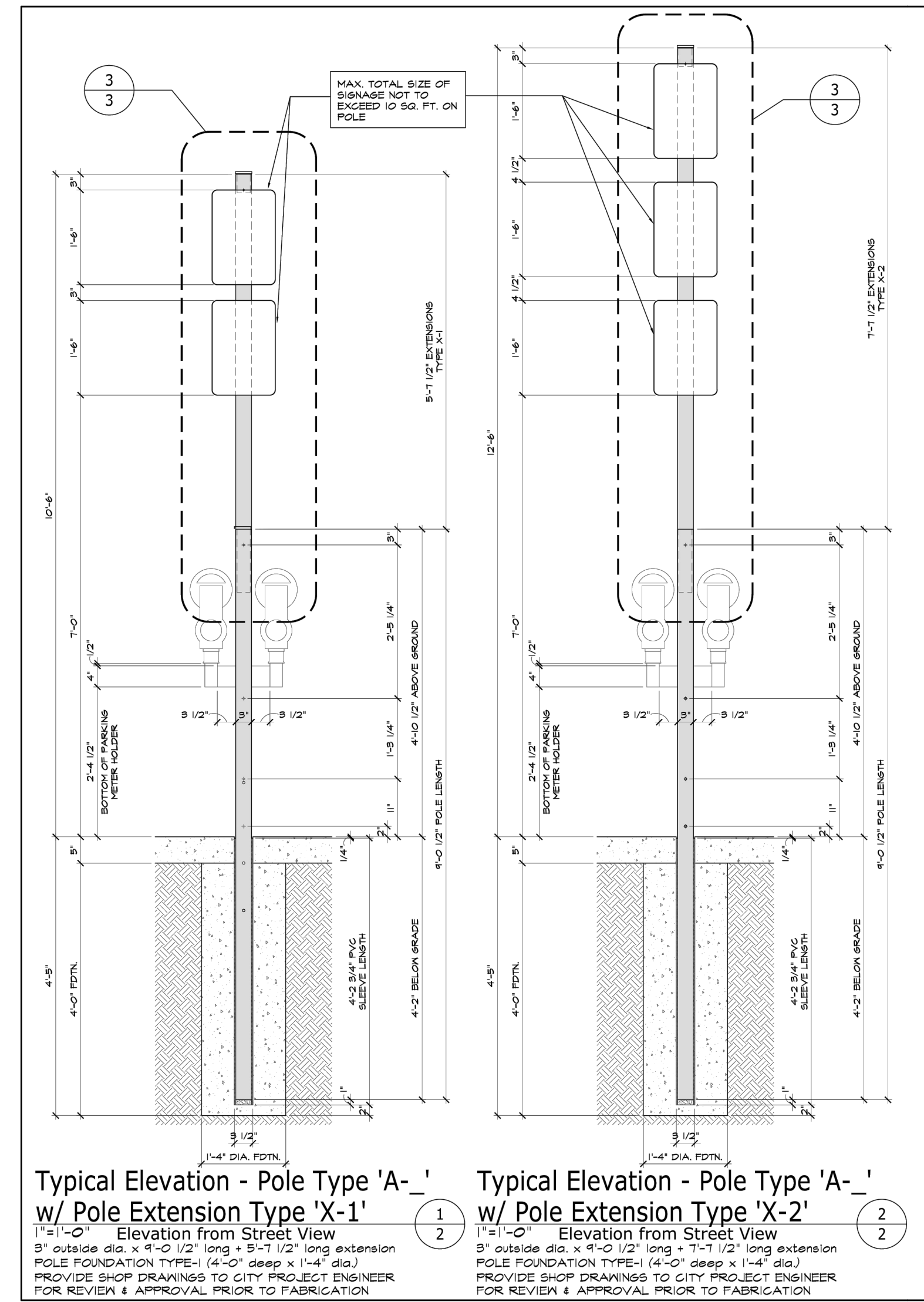
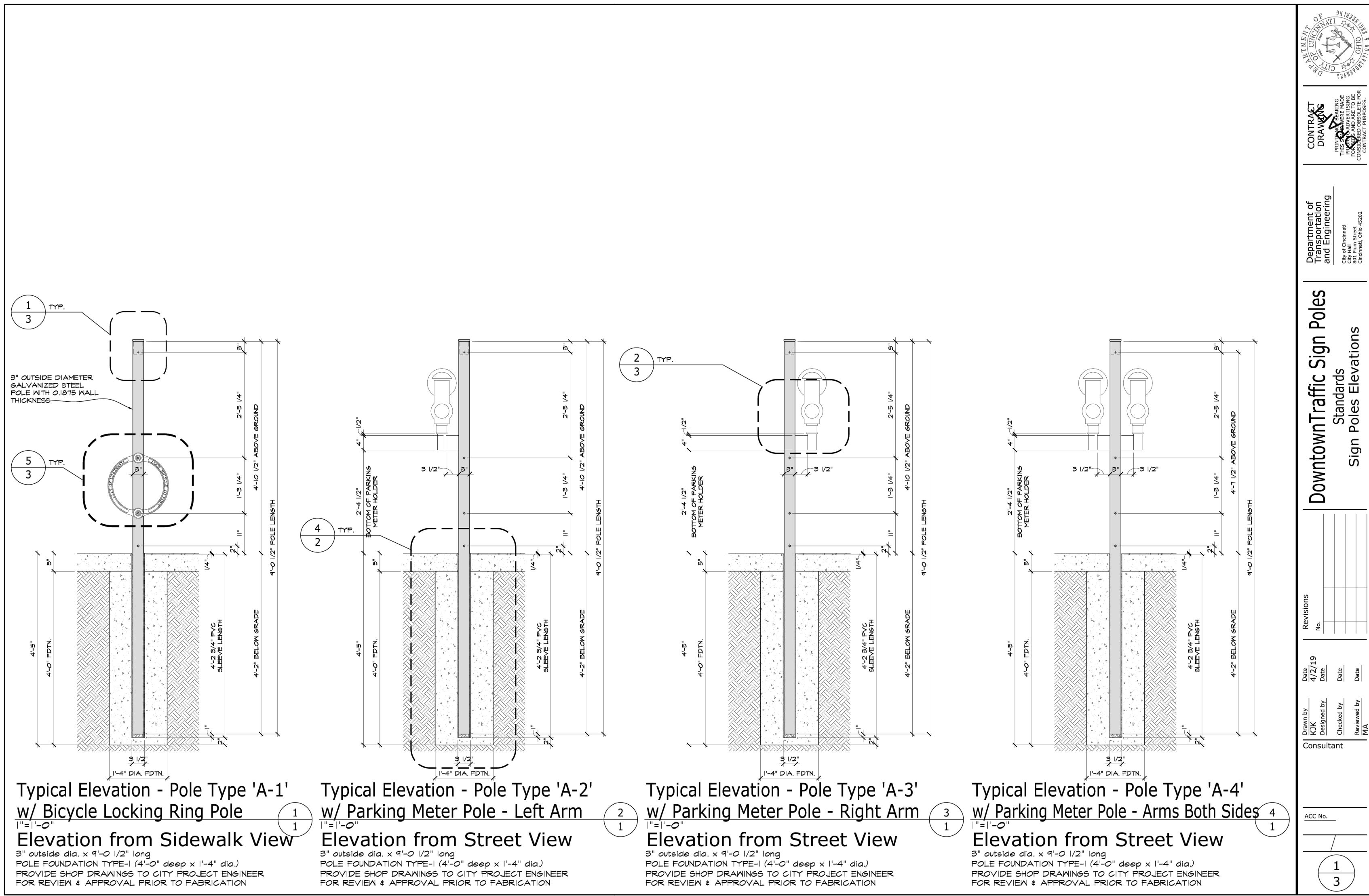
**5th ST & WALNUT ST
STREETSCAPE**
CITY OF CINCINNATI
HAMILTON COUNTY
STREETSCAPE DETAILS

bayer becker
www.bayerbecker.com
1404 Race Street, Suite 204
Cincinnati, OH 45202-5133/64.6151

Drawing: 23-0254 CD WALNUT ST
Drawn by: RAS
Checked by: MPD
Issue Date: 8-16-24
Sheet:

C101

Plot Date: Oct 09, 2024, 4:35pm
Drawing Name: J:\2023\23-0254\CD\DWG\23-0254 CD WALNUT ST.DWG - Layout Tab: C101 - Site Notes



DowntownTraffic Sign Poles Standards & Foundations

Revision Description

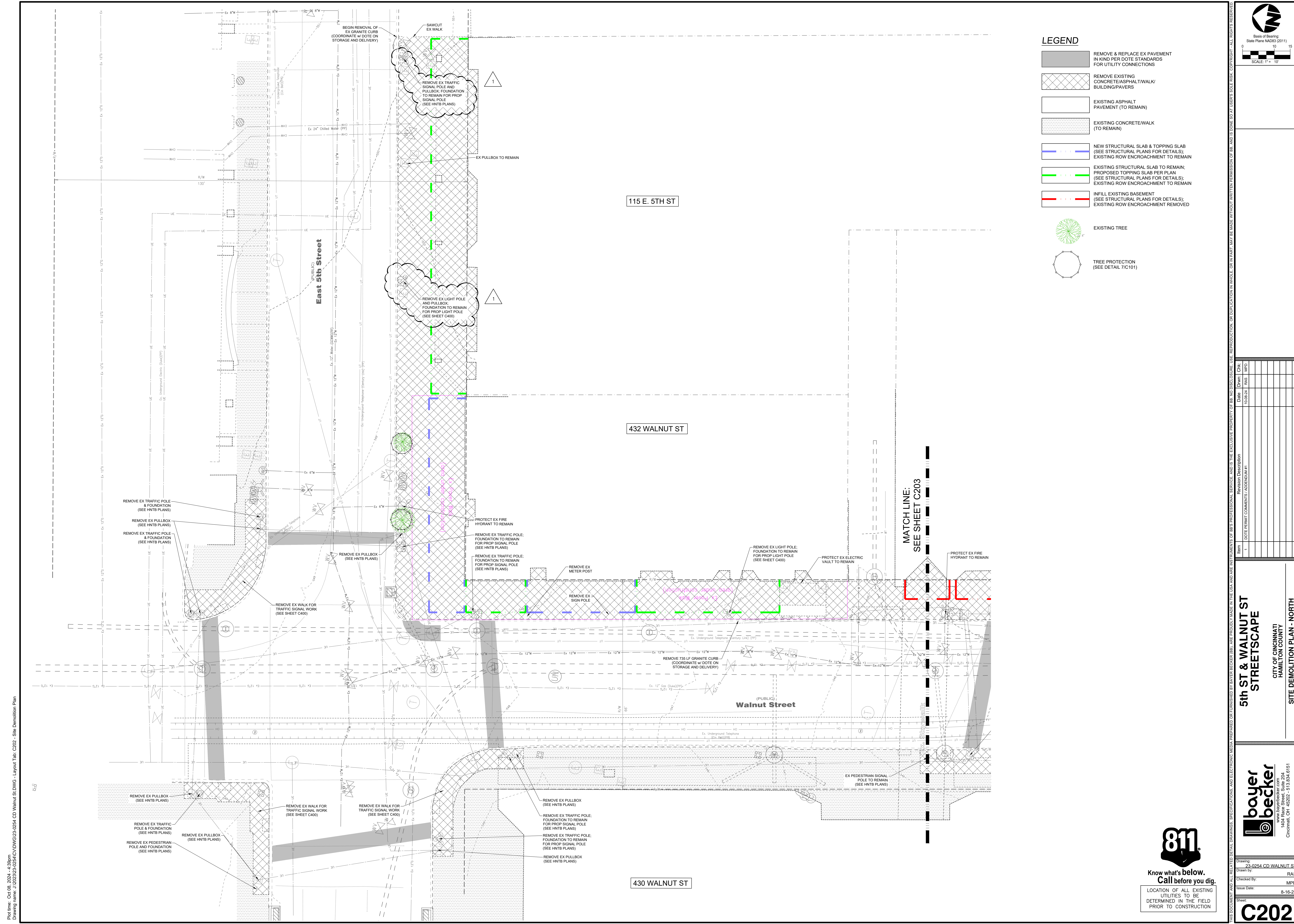
Rev	Date	By	Checked By	Reviewed By	Approved By
1	10/02/24	RAS	MPD		

DATE: 10/02/24
 DRAWN BY: RAS
 CHECKED BY: MPD
 REVIEWED BY:
 APPROVED BY:

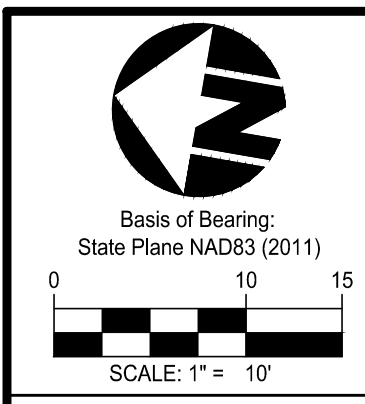
5th ST & WALNUT ST STREETScape
 CITY OF CINCINNATI
 HAMILTON COUNTY
 STREETScape DETAILS

bayer becker
 1404 Race Street, Suite 204
 Cincinnati, OH 45202-5133

Drawing: 23-0254 CD WALNUT ST
 Drawn by: RAS
 Checked by: MPD
 Issue Date: 8-16-24
 Sheet: **C102**



- LEGEND**
- REMOVE & REPLACE EX PAVEMENT IN KIND PER DOTE STANDARDS FOR UTILITY CONNECTIONS
 - REMOVE EXISTING CONCRETE/ASPHALT/WALK/ BUILDING/PAVERS
 - EXISTING ASPHALT PAVEMENT (TO REMAIN)
 - EXISTING CONCRETE/WALK (TO REMAIN)
 - NEW STRUCTURAL SLAB & TOPPING SLAB (SEE STRUCTURAL PLANS FOR DETAILS); EXISTING ROW ENCROACHMENT TO REMAIN
 - EXISTING STRUCTURAL SLAB TO REMAIN, PROPOSED TOPPING SLAB PER PLAN (SEE STRUCTURAL PLANS FOR DETAILS); EXISTING ROW ENCROACHMENT TO REMAIN
 - INFILL EXISTING BASEMENT (SEE STRUCTURAL PLANS FOR DETAILS); EXISTING ROW ENCROACHMENT REMOVED
 - EXISTING TREE
 - TREE PROTECTION (SEE DETAIL 7/C101)



Item	Date	Drawn	Checked	Revision Description
1	10-02-24	RAS	MPD	DOTE PERMIT COMMENTS (ADDENDUM #1)

Item	Date	Drawn	Checked	Revision Description

**5th ST & WALNUT ST
STREETSCAPE**

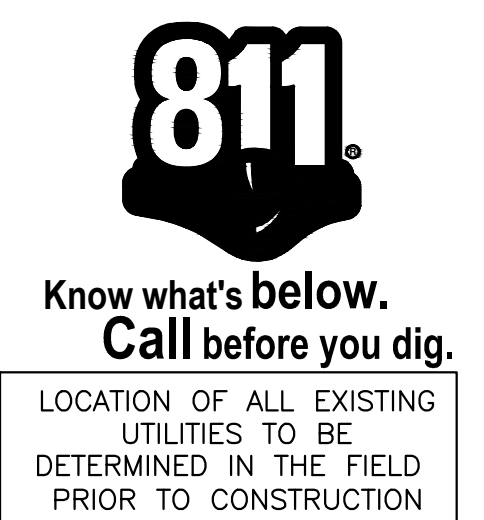
CITY OF CINCINNATI
HAMILTON COUNTY

SITE DEMOLITION PLAN - NORTH

bayer becker

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Cincinnati, OH 45202 • 513.634.8151


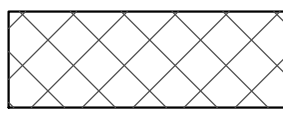
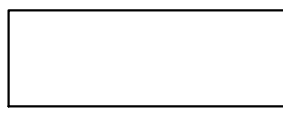
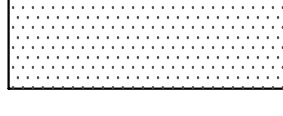
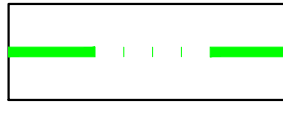

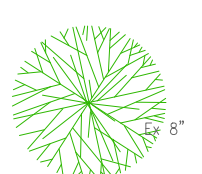
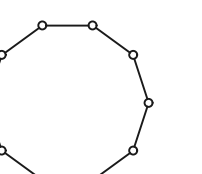
Drawing: 23-0254 CD WALNUT ST
Drawn by: RAS
Checked by: MPD
Issue Date: 8-16-24
Sheet: **C202**

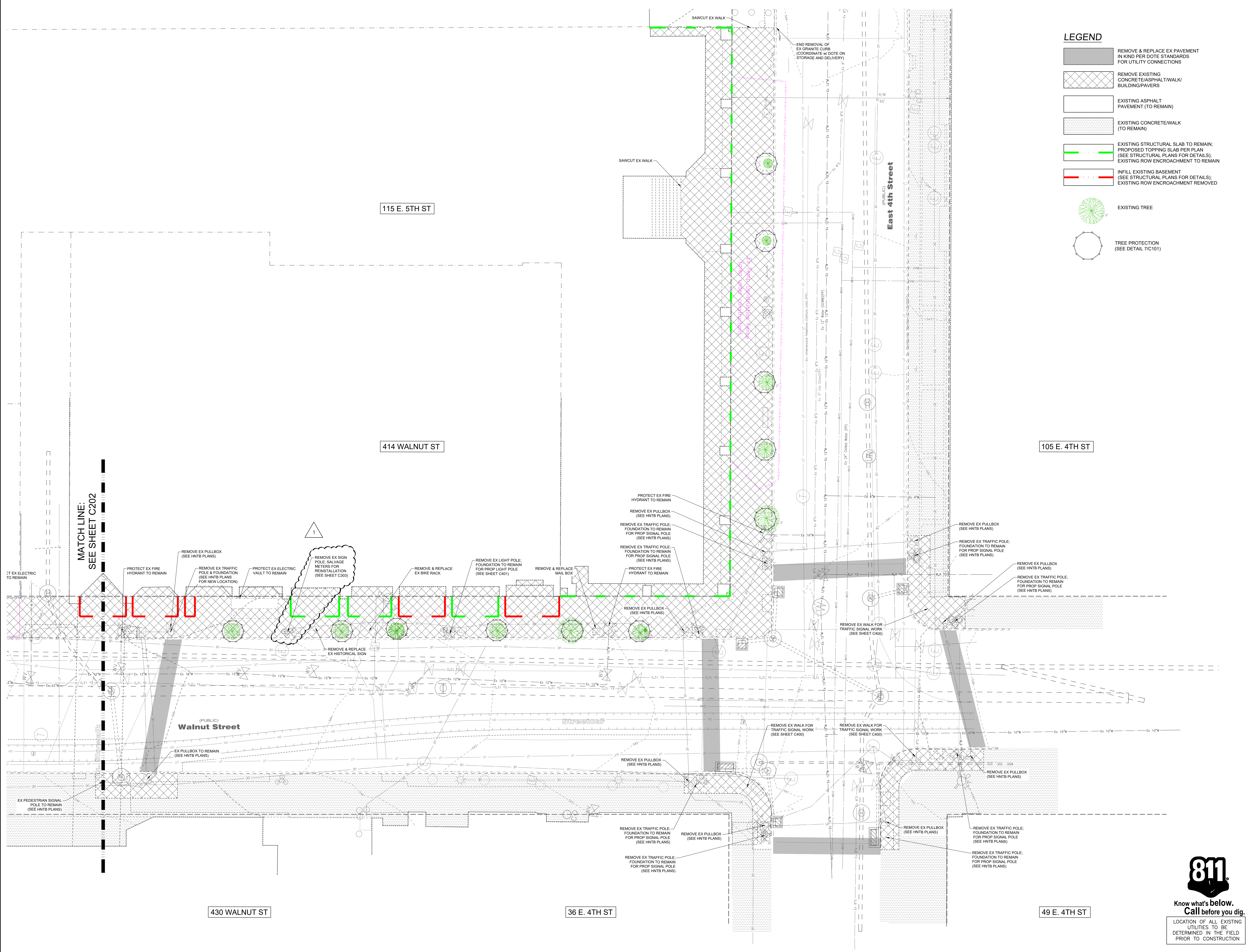


Plot Date: Oct 09, 2024, 4:39pm
 Drawing Name: J:\2023\23-0254\CD\DWG\C202 - Site Demolition Plan

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LEGEND

-  REMOVE & REPLACE EX PAVEMENT IN KIND PER DOTE STANDARDS FOR UTILITY CONNECTIONS
-  REMOVE EXISTING CONCRETE/ASPHALT/WALK/ BUILDING/PAVERS
-  EXISTING ASPHALT PAVEMENT (TO REMAIN)
-  EXISTING CONCRETE/WALK (TO REMAIN)
-  EXISTING STRUCTURAL SLAB TO REMAIN; PROPOSED TOPPING SLAB PER PLAN (SEE STRUCTURAL PLANS FOR DETAILS); EXISTING ROW ENCROACHMENT TO REMAIN
-  INFILL EXISTING BASEMENT (SEE STRUCTURAL PLANS FOR DETAILS); EXISTING ROW ENCROACHMENT REMOVED
-  EXISTING TREE
-  TREE PROTECTION (SEE DETAIL 7/C101)



Item	Revision Description	Date	Drawn	Chk.
1	DOTE PERMIT COMMENTS / ADJUDICUM #1	10-02-24	RAS	MPD

**5th ST & WALNUT ST
STREETSCAPE**

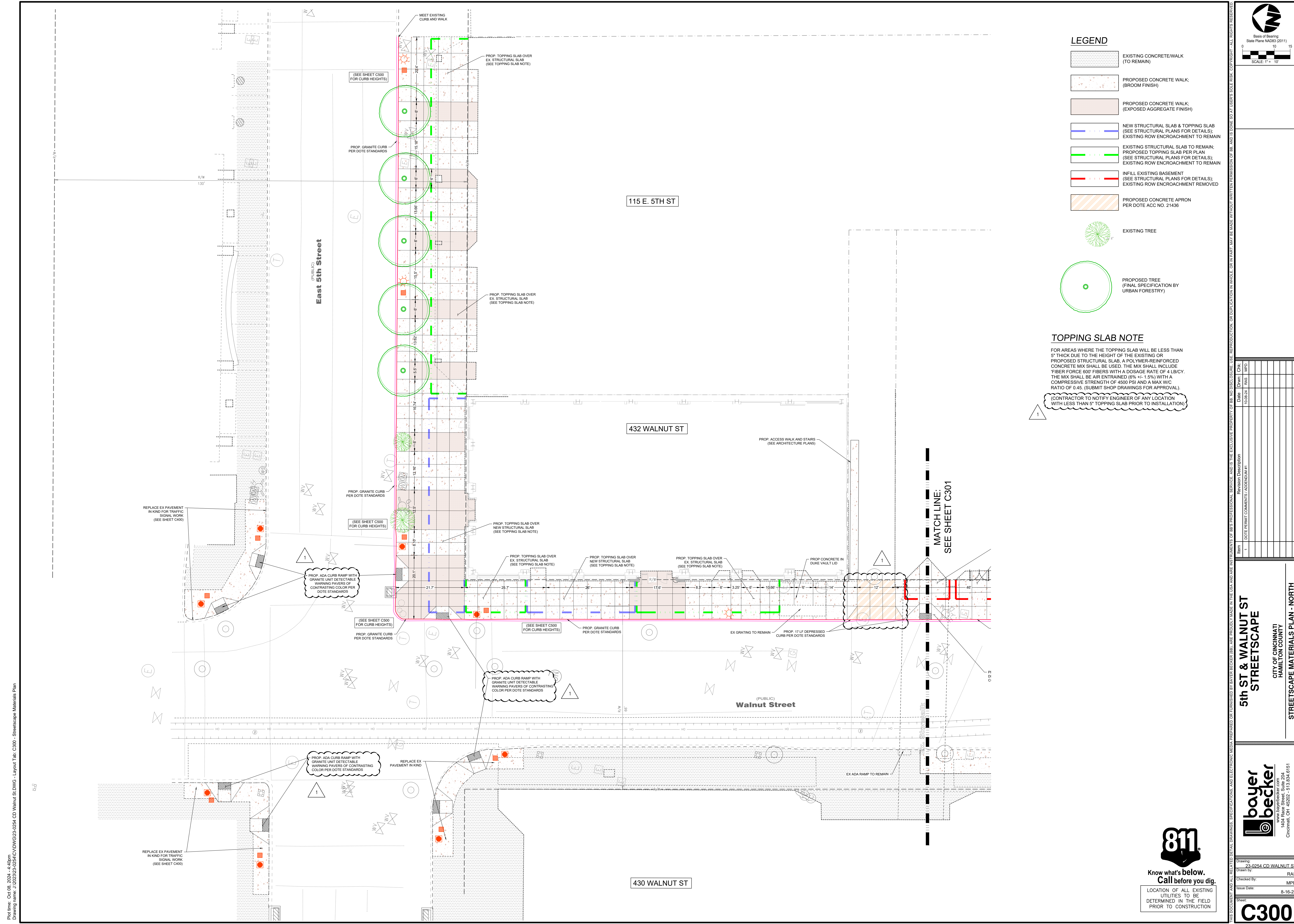
CITY OF CINCINNATI
HAMILTON COUNTY

SITE DEMOLITION PLAN - SOUTH

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1404 Race Street, Suite 204
Cincinnati, OH 45202 - 513.634.8151

Drawing: 23-0254 CD WALNUT ST
Drawn by: RAS
Checked by: MPD
Issue Date: 8-16-24
Sheet: **C203**

811
Know what's below.
Call before you dig.
LOCATION OF ALL EXISTING UTILITIES TO BE DETERMINED IN THE FIELD PRIOR TO CONSTRUCTION



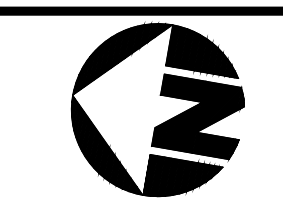
- LEGEND**
- EXISTING CONCRETE/WALK (TO REMAIN)
 - PROPOSED CONCRETE WALK: (BROOM FINISH)
 - PROPOSED CONCRETE WALK: (EXPOSED AGGREGATE FINISH)
 - NEW STRUCTURAL SLAB & TOPPING SLAB (SEE STRUCTURAL PLANS FOR DETAILS); EXISTING ROW ENCROACHMENT TO REMAIN
 - EXISTING STRUCTURAL SLAB TO REMAIN; PROPOSED TOPPING SLAB PER PLAN (SEE STRUCTURAL PLANS FOR DETAILS); EXISTING ROW ENCROACHMENT TO REMAIN
 - INFILL EXISTING BASEMENT (SEE STRUCTURAL PLANS FOR DETAILS); EXISTING ROW ENCROACHMENT REMOVED
 - PROPOSED CONCRETE APRON PER DOTE ACC NO. 21436

- EXISTING TREE
- PROPOSED TREE (FINAL SPECIFICATION BY URBAN FORESTRY)

TOPPING SLAB NOTE

FOR AREAS WHERE THE TOPPING SLAB WILL BE LESS THAN 5" THICK DUE TO THE HEIGHT OF THE EXISTING OR PROPOSED STRUCTURAL SLAB, A POLYMER-REINFORCED CONCRETE MIX SHALL BE USED. THE MIX SHALL INCLUDE FIBER FORCE 600 FIBERS WITH A DOSAGE RATE OF 4 LB/CY. THE MIX SHALL BE AIR ENTRAINED (6% +/- 1.5%) WITH A COMPRESSIVE STRENGTH OF 4500 PSI AND A MAX W/C RATIO OF 0.45. (SUBMIT SHOP DRAWINGS FOR APPROVAL).

(CONTRACTOR TO NOTIFY ENGINEER OF ANY LOCATION WITH LESS THAN 5" TOPPING SLAB PRIOR TO INSTALLATION)




Base of Bearing:
State Plane NAD83 (2011)
0 10 15
SCALE: 1" = 10'

Item	Date	Chk.	Rev.	Description
1	10-02-24	RAS	MPD	DOTE PERMIT COMMENTS / ADDENDUM #1

5th ST & WALNUT ST
STREETSCAPE

CITY OF CINCINNATI
HAMILTON COUNTY

STREETSCAPE MATERIALS PLAN - NORTH



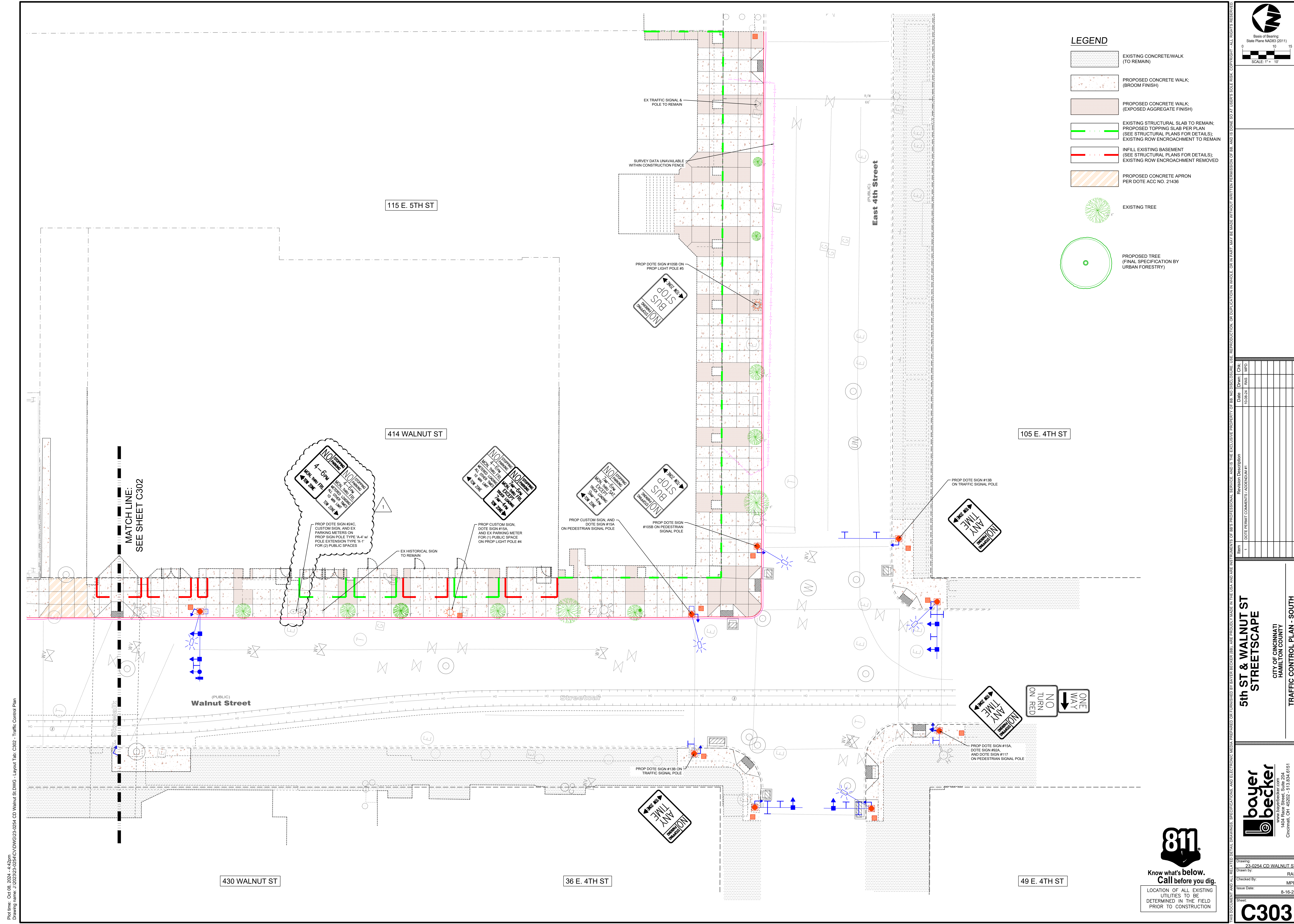
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Drawing: 23-0254 CD WALNUT ST
Drawn by: RAS
Checked by: MPD
Issue Date: 8-16-24
Sheet:

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Know what's below.
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LOCATION OF ALL EXISTING UTILITIES TO BE DETERMINED IN THE FIELD PRIOR TO CONSTRUCTION

C300

Plot Date: Oct 09, 2024, 4:46pm
 Drawing Name: J:\2023\23-0254\CD\DWG\23-0254-CD-Walnut-St-DWG - Layout Tab: C300 - Streetscape Materials Plan



LEGEND

- EXISTING CONCRETE/WALK (TO REMAIN)
- PROPOSED CONCRETE WALK: (BROOM FINISH)
- PROPOSED CONCRETE WALK: (EXPOSED AGGREGATE FINISH)
- EXISTING STRUCTURAL SLAB TO REMAIN, PROPOSED TOPPING SLAB PER PLAN (SEE STRUCTURAL PLANS FOR DETAILS); EXISTING ROW ENCROACHMENT TO REMAIN
- INFILL EXISTING BASEMENT (SEE STRUCTURAL PLANS FOR DETAILS); EXISTING ROW ENCROACHMENT TO REMAIN
- PROPOSED CONCRETE APRON PER DOTE ACC NO. 21436
- EXISTING TREE
- PROPOSED TREE (FINAL SPECIFICATION BY URBAN FORESTRY)

Base of Bearing: State Plane NAD83 (2011)
0 10 15
SCALE: 1" = 10'

Item	Revision Description	Date	Drawn	Checked
1	DOTE PERMIT COMMENTS / ADDENDUM #1	10-02-24	RAS	MPD

**5th ST & WALNUT ST
STREETSCAPE**

CITY OF CINCINNATI
HAMILTON COUNTY

TRAFFIC CONTROL PLAN - SOUTH

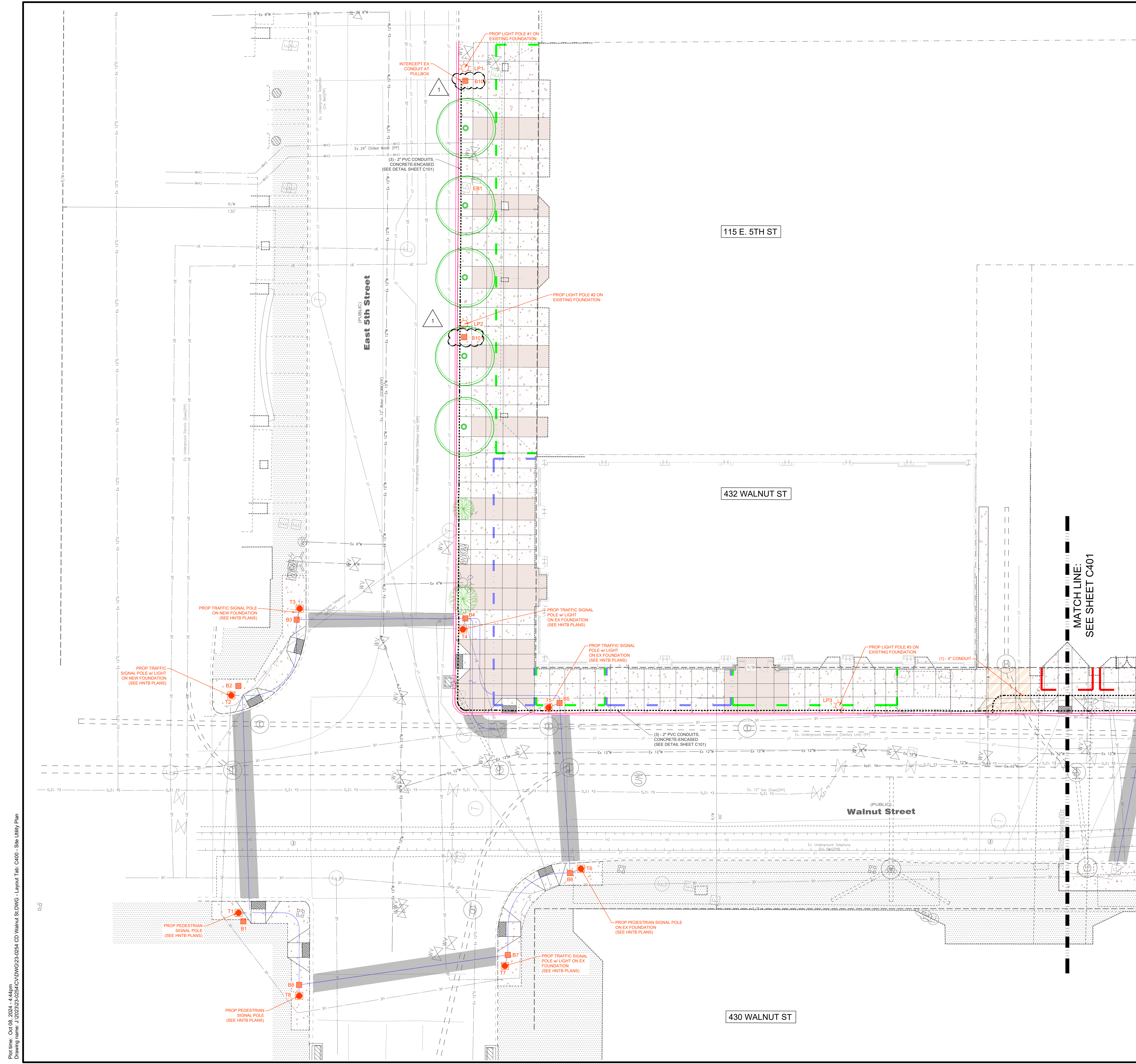
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LOCATION OF ALL EXISTING UTILITIES TO BE DETERMINED IN THE FIELD PRIOR TO CONSTRUCTION

23-0254 CD WALNUT ST
Drawing: RAS
Checked By: MPD
Issue Date: 8-16-24
Sheet: **C303**

Plot time: Oct 09, 2024, 4:42pm
 Drawing name: J:\2023\23-0254\CD\DWG\23-0254 CD Walnut St.DWG - Layout Tab: C302 - Traffic Control Plan



- LEGEND**
- EXISTING CONCRETE/WALK (TO REMAIN)
 - REMOVE & REPLACE EX PAVEMENT IN KIND PER DOTE STANDARDS FOR UTILITY CONNECTIONS
 - PROPOSED CONCRETE WALK: (BROOM FINISH)
 - PROPOSED CONCRETE WALK: (EXPOSED AGGREGATE FINISH)
 - NEW STRUCTURAL SLAB & TOPPING SLAB (SEE STRUCTURAL PLANS FOR DETAILS); EXISTING ROW ENCROACHMENT TO REMAIN
 - EXISTING STRUCTURAL SLAB TO REMAIN; PROPOSED TOPPING SLAB PER PLAN (SEE STRUCTURAL PLANS FOR DETAILS); EXISTING ROW ENCROACHMENT TO REMAIN
 - INFILL EXISTING BASEMENT (SEE STRUCTURAL PLANS FOR DETAILS); EXISTING ROW ENCROACHMENT REMOVED
 - PROPOSED CONCRETE APRON PER DOTE ACC NO. 21436
 - EXISTING TREE
 - PROPOSED TREE (FINAL SPECIFICATION BY URBAN FORESTRY)

LIGHT POLE SCHEDULE
FOR ALL LIGHT POLES, EXISTING FOUNDATIONS SHALL BE REUSED; CONVERT LAST 12" TO SQUARE CAP w/EXPANSION PAPER AROUND EDGES; ANCHOR BOLT LENGTHS & CIRCLE PER MANUFACTURER'S RECOMMENDATIONS (SUBMIT SHOP DRAWINGS FOR APPROVAL)

LIGHT POLE #1
39'-0" VALMONT LIGHT POLE (MODEL DS210 / DESIGNATION 900E389)
w/SINGLE BANNER ARM (BY SAUERWEIN WELDING, INC.);
INSTALL SINGLE LED STREETLIGHT FIXTURE PER GARDCO MA22L-96L-650-NW-G2, TYPE 2;
ATTACH 'NO STOPPING/PARKING' SIGN (CITY #105A) AND BUS TICKET MACHINE

LIGHT POLE #2
39'-0" VALMONT LIGHT POLE (MODEL DS210 / DESIGNATION 900E389)
w/SINGLE BANNER ARM (BY SAUERWEIN WELDING, INC.);
INSTALL SINGLE LED STREETLIGHT FIXTURE PER GARDCO MA22L-96L-650-NW-G2, TYPE 2;
ATTACH 'NO STOPPING/PARKING' SIGN (CITY #105A) AND 'NO STOPPING/PARKING' SIGN (CITY #12A)

LIGHT POLE #3
39'-0" VALMONT LIGHT POLE (MODEL DS210 / DESIGNATION 900E389)
w/SINGLE BANNER ARM (BY SAUERWEIN WELDING, INC.);
INSTALL SINGLE LED STREETLIGHT FIXTURE PER GARDCO MA22L-96L-650-NW-G2, TYPE 2;
ATTACH 'NO STOPPING/PARKING' SIGN (CITY #24C), ATTACH 'NO STOPPING/PARKING' SIGN (CITY #15A), AND (1) PARKING METER

CONTRACTOR SHALL PROVIDE CUT SHEETS FOR ALL MATERIALS INCLUDING PULL BOXES, WIRING, FIXTURES, POLES, GROUND RODS AND CONNECTOR KITS) FOR REVIEW BY DOTE.

ALL LIGHTS ON PROPOSED TRAFFIC SIGNAL POLES SHALL BE SINGLED LED STREETLIGHT FIXTURE PER GARDCO MA22L-96L-650-NW-G2, TYPE 2

RETURN ALL REMOVED STREET LIGHTS TO DOTE TRAFFIC SERVICES



LOCATION OF ALL EXISTING UTILITIES TO BE DETERMINED IN THE FIELD PRIOR TO CONSTRUCTION

Base of Bearing: State Plane NAD83 (2011)
 SCALE: 1" = 10'

Item	Date	Chk.	Rev.	Description
1	10-02-24	RAS	1	DOTE PERMIT COMMENTS / ADDENDUM #1

5th ST & WALNUT ST
STREETSCAPE

CITY OF CINCINNATI
HAMILTON COUNTY

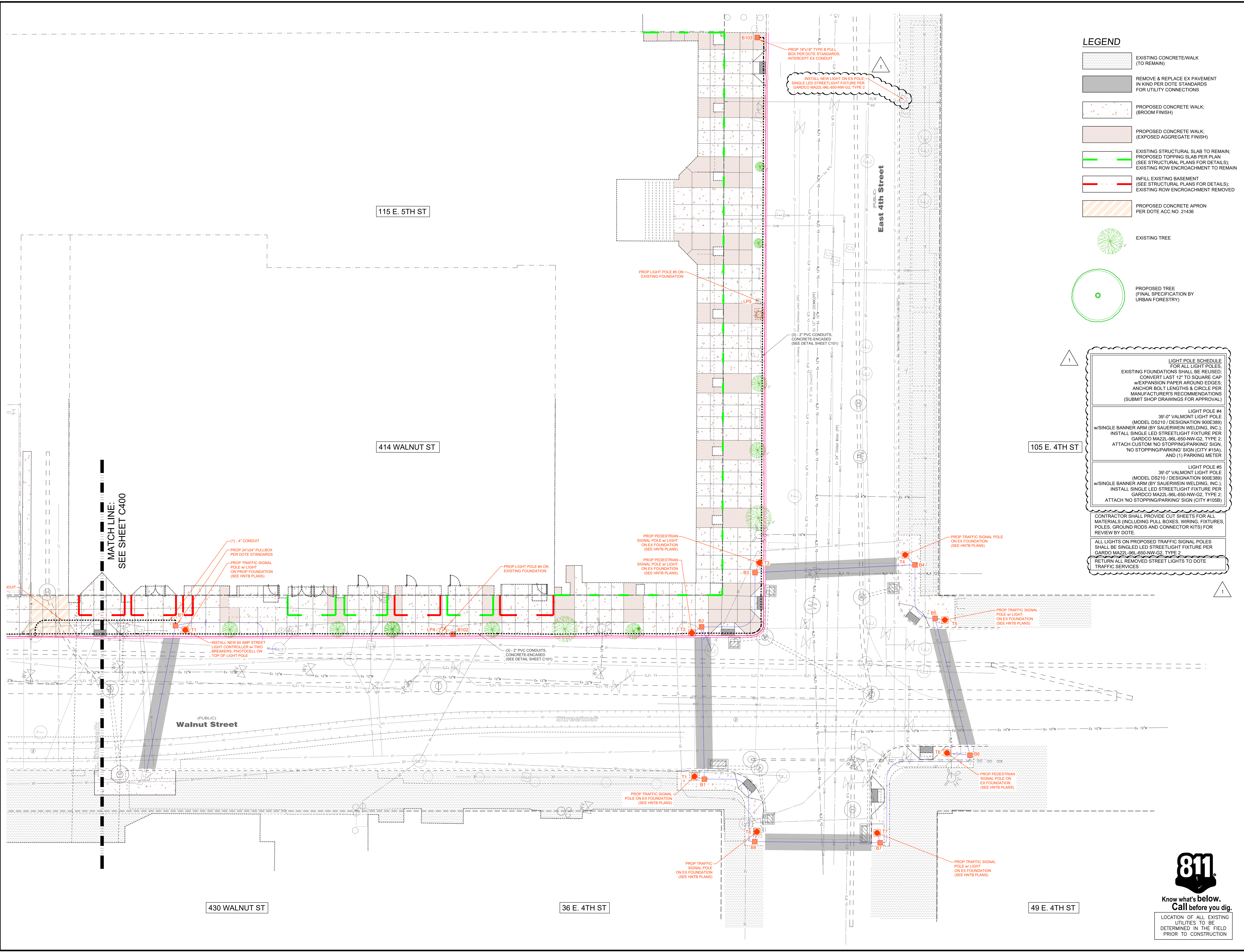
SITE UTILITY PLAN - NORTH

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 1404 Race Street, Suite 204
 Cincinnati, OH 45202 • 513.634.8151

Drawing: 23-0254 CD WALNUT ST
 Drawn by: RAS
 Checked by: MPD
 Issue Date: 8-16-24
 Sheet: **C400**

Plot Date: Oct 09, 2024, 4:14pm
 Drawing Name: J:\2023\23-0254\CD\DWG\23-0254 CD WALNUT ST - Layout Tab - C400 - Site Utility Plan

Plot file: Oct 09, 2024, 4:14pm
 Drawing name: J:\2023\23-0254\CD\DWG\23-0254-CD-Walnut-St-DWG - Layout Tab: C400 - Site Utility Plan



- LEGEND**
- EXISTING CONCRETE/WALK (TO REMAIN)
 - REMOVE & REPLACE EX PAVEMENT IN KIND PER DOTE STANDARDS FOR UTILITY CONNECTIONS
 - PROPOSED CONCRETE WALK: (BROOM FINISH)
 - PROPOSED CONCRETE WALK: (EXPOSED AGGREGATE FINISH)
 - EXISTING STRUCTURAL SLAB TO REMAIN; PROPOSED TOPPING SLAB PER PLAN (SEE STRUCTURAL PLANS FOR DETAILS); EXISTING ROW ENCROACHMENT TO REMAIN
 - INFILL EXISTING BASEMENT (SEE STRUCTURAL PLANS FOR DETAILS); EXISTING ROW ENCROACHMENT REMOVED
 - PROPOSED CONCRETE APRON PER DOTE ACC NO. 21436
 - EXISTING TREE
 - PROPOSED TREE (FINAL SPECIFICATION BY URBAN FORESTRY)

LIGHT POLE SCHEDULE
 FOR ALL LIGHT POLES EXISTING FOUNDATIONS SHALL BE REUSED; CONVERT LAST 12" TO SQUARE CAP w/EXPANSION PAPER AROUND EDGES; ANCHOR BOLT LENGTHS & CIRCLE PER MANUFACTURER'S RECOMMENDATIONS (SUBMIT SHOP DRAWINGS FOR APPROVAL)

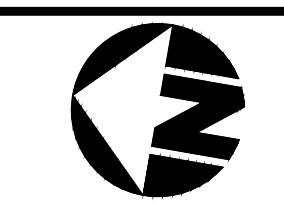
LIGHT POLE #4
 39'-0" VALMONT LIGHT POLE (MODEL DS210 / DESIGNATION 900E389) w/SINGLE BANNER ARM (BY SAUERWEIN WELDING, INC.); INSTALL SINGLE LED STREETLIGHT FIXTURE PER GARDCO MA22L-96L-650-NW-G2, TYPE 2; ATTACH CUSTOM NO STOPPING/PARKING SIGN (CITY #15A), AND (1) PARKING METER

LIGHT POLE #5
 39'-0" VALMONT LIGHT POLE (MODEL DS210 / DESIGNATION 900E389) w/SINGLE BANNER ARM (BY SAUERWEIN WELDING, INC.); INSTALL SINGLE LED STREETLIGHT FIXTURE PER GARDCO MA22L-96L-650-NW-G2, TYPE 2; ATTACH 'NO STOPPING/PARKING' SIGN (CITY #105B)

CONTRACTOR SHALL PROVIDE CUT SHEETS FOR ALL MATERIALS (INCLUDING PULL BOXES, WIRING, FIXTURES, POLES, GROUND RODS AND CONNECTOR KITS) FOR REVIEW BY DOTE.

ALL LIGHTS ON PROPOSED TRAFFIC SIGNAL POLES SHALL BE SINGLED LED STREETLIGHT FIXTURE PER GARDCO MA22L-96L-650-NW-G2, TYPE 2


RETURN ALL REMOVED STREET LIGHTS TO DOTE TRAFFIC SERVICES



Base of Bearing: State Plane NAD83 (2011)
 SCALE: 1" = 10'

Item	Date	Chk.	Rev.	Description
1	10-09-24	RAS	1	DOTE PERMIT COMMENTS / ADDED #1

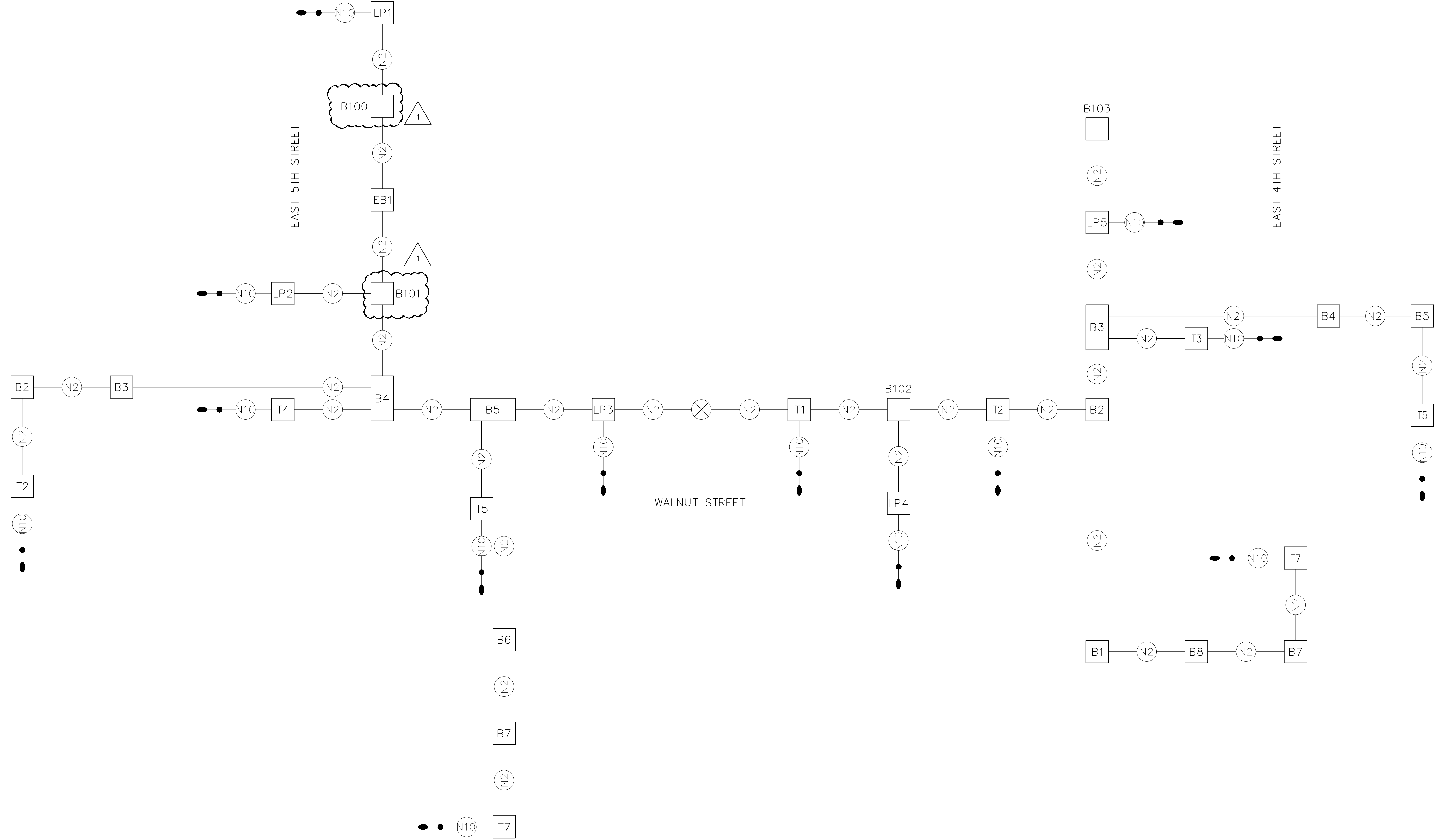
5th ST & WALNUT ST STREETScape
 CITY OF CINCINNATI
 HAMILTON COUNTY
 SITE UTILITY PLAN - SOUTH



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 1404 Race Street, Suite 204
 Cincinnati, OH 45202-5138/4, 6151

811
 Know what's below.
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 LOCATION OF ALL EXISTING UTILITIES TO BE DETERMINED IN THE FIELD PRIOR TO CONSTRUCTION

Drawing: 23-0254-CD-WALNUT ST
 Drawn by: RAS
 Checked by: MPD
 Issue Date: 8-16-24
 Sheet: **C401**



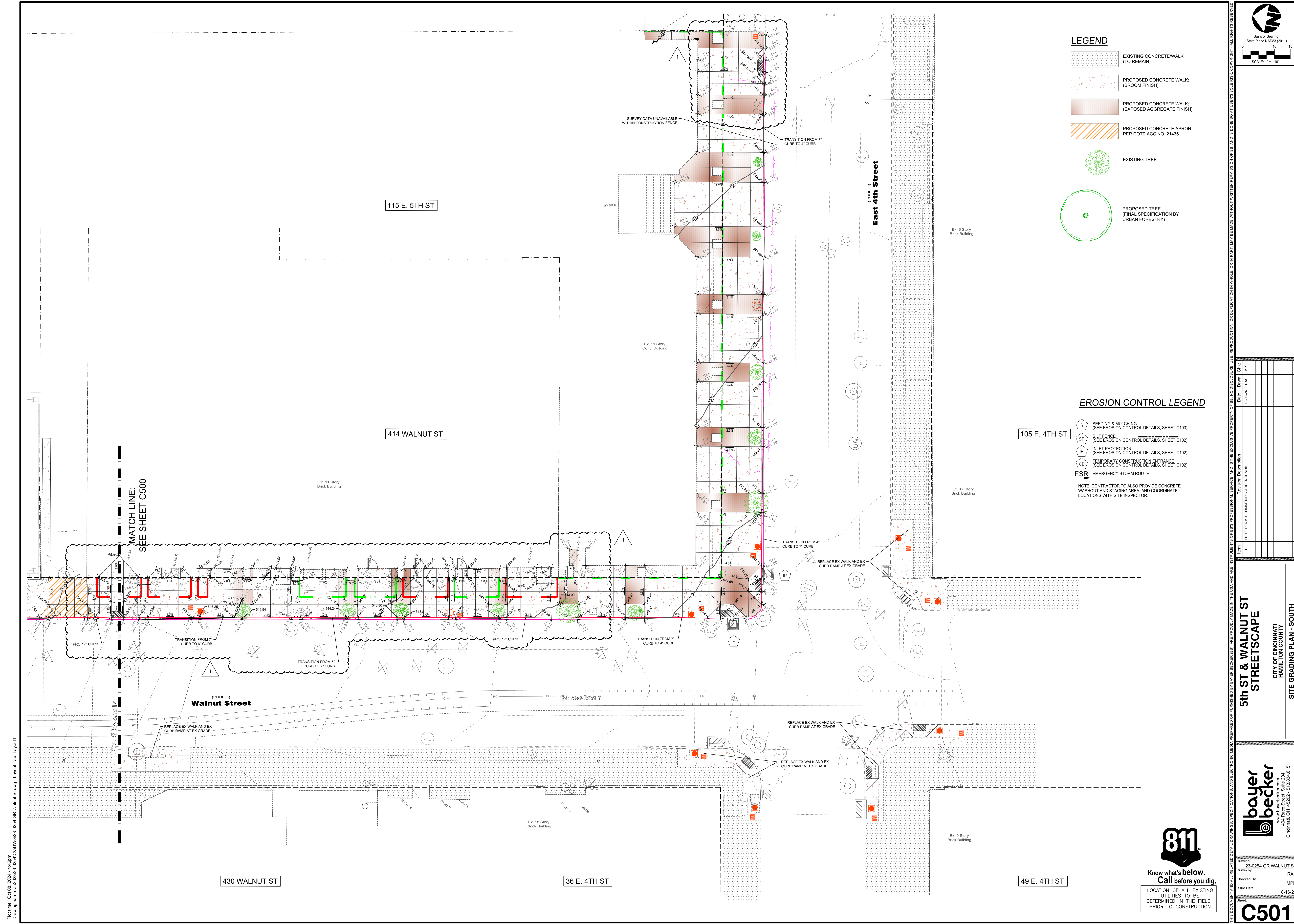
LEGEND

	TRAFFIC SIGNAL, 3 UNIT, 12"		SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG
	LUMINAIRE		3 - NO. 2 AWG DISTRIBUTION CABLES
	PEDESTRIAN SIGNAL		NO. 10 AWG POLE & BRACKET CABLE
	PEDESTRIAN PUSH BUTTON		POWER SOURCE
	ILLUMINATED SIGN		POWER CABLE, 2 CONDUCTOR, NO. 4 AWG

Plot Date: Oct 09, 2024 - 4:45pm
 Drawing Name: J:\2023\23-0254\CD\DWG\3-0254-CD-Walnut-St-DWG - Layout Tab: C400 - Site Utility Plan

5th ST & WALNUT ST STREETSCAPE											
CITY OF CINCINNATI HAMILTON COUNTY											
WIRING DIAGRAM - LIGHTING											
<p>bayer becker <small>www.bayerbecker.com 1404 Race Street, Suite 204 Cincinnati, OH 45202 - 513.634.8151</small></p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="font-size: x-small;">Item</th> <th style="font-size: x-small;">Revision Description</th> <th style="font-size: x-small;">Date</th> <th style="font-size: x-small;">Drawn</th> <th style="font-size: x-small;">Chk.</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="font-size: x-small;">DOTE PERMIT COMMENTS / ADDENDUM #1</td> <td style="text-align: center;">10-09-24</td> <td style="text-align: center;">RAS</td> <td style="text-align: center;">MPD</td> </tr> </tbody> </table>	Item	Revision Description	Date	Drawn	Chk.	1	DOTE PERMIT COMMENTS / ADDENDUM #1	10-09-24	RAS	MPD
Item	Revision Description	Date	Drawn	Chk.							
1	DOTE PERMIT COMMENTS / ADDENDUM #1	10-09-24	RAS	MPD							
Drawing: 23-0254-CD-WALNUT ST Drawn by: CPT Checked by: MPD Issue Date: 9-3-24 Sheet:											
C402											

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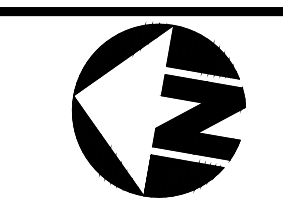
LEGEND

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- PROPOSED TREE (FINAL SPECIFICATION BY URBAN FORESTRY)

EROSION CONTROL LEGEND

- S SEEDING & MULCHING (SEE EROSION CONTROL DETAILS, SHEET C103)
- SF SILT FENCE (SEE EROSION CONTROL DETAILS, SHEET C102)
- IP INLET PROTECTION (SEE EROSION CONTROL DETAILS, SHEET C102)
- CE TEMPORARY CONSTRUCTION ENTRANCE (SEE EROSION CONTROL DETAILS, SHEET C102)
- ESR EMERGENCY STORM ROUTE

NOTE: CONTRACTOR TO ALSO PROVIDE CONCRETE WASHOUT AND STAGING AREA, AND COORDINATE LOCATIONS WITH SITE INSPECTOR.



 Basis of Bearing: State Plane NAD83 (2011)

 Scale: 1" = 10'

 Date: 10/02/24

 Drawn by: RAS

 Checked by: MPD

 Issue Date: 8-16-24

 Sheet: C501

5th ST & WALNUT ST STREETSCAPE

 CITY OF CINCINNATI

 HAMILTON COUNTY

 SITE GRADING PLAN - SOUTH

bayer becker

 ENGINEERING, INC.

 1404 Race Street, Suite 204

 Cincinnati, OH 45202 - 513.634.6151


Drawing: 23-0254 GR WALNUT ST

 Drawn by: RAS

 Checked by: MPD

 Issue Date: 8-16-24

 Sheet: C501



811

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 LOCATION OF ALL EXISTING UTILITIES TO BE DETERMINED IN THE FIELD PRIOR TO CONSTRUCTION

Plot file: Oct 09, 2024, 4:46pm
 Drawing name: J:\2023\23-0254 GR Walnut St.dwg - Layout Tab - Layout1

TRAFFIC SIGNAL GENERAL NOTES

2024 SPECIFICATIONS:

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION AND THE CITY OF CINCINNATI SUPPLEMENT DATED 01/01/23 THERETO.

NOTES:

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THESE PLANS HAS BEEN OBTAINED BY DILIGENT FIELD CHECKS AND SEARCHES OF AVAILABLE RECORDS. THE CITY OF CINCINNATI DOES NOT GUARANTEE THE ACCURACY OF THE AFOREMENTIONED LOCATIONS AND ACCEPTS NO RESPONSIBILITY FOR ANY EXPENSE RESULTING FROM ERRORS OR OMISSIONS OF UTILITY LOCATIONS. CONTRACTOR(S) SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATIONS OF ALL UTILITIES IN THE FIELD PRIOR TO THE START OF ANY WORK. NOTIFY PROJECT ENGINEER OF ANY DISCREPANCIES OR CONFLICTS PRIOR TO BEGINNING WORK IN AFFECTED AREA.

1303 EQUIPMENT QUALITY

ALL EQUIPMENT AND MATERIALS SHALL BE NEW AND OF FIRST QUALITY AS PER SPECIFICATION 1303.

1304 UTILITIES PERMITS AND REGULATIONS

THE CONTRACT DRAWINGS SHOW ALL UTILITIES, WATER, GAS, AND SEWER LINES KNOWN TO EXIST. HOWEVER, THIS DOES NOT GUARANTEE THAT ALL EXISTING LINES AND APPURTENANCES HAVE BEEN SHOWN ON THE CONTRACT DRAWINGS, AND THE CITY ASSUMES NO RESPONSIBILITY FOR THE ACCURACY THEREOF AND DOES NOT FREE THE CONTRACTOR FROM NECESSARY PRECAUTIONS FOR THE PROTECTION OF ANY UTILITY ENCOUNTERED ON THE PROJECT OR THE RESTORATION OF ANY UTILITY DAMAGED DURING THE WORK. THE CONTRACTOR IS RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITS, AND COMPLY WITH ALL LOCAL AND NATIONAL SAFETY CODES.

THE CONTRACTOR SHALL NOTIFY AT LEAST 48 HOURS BEFORE BREAKING GROUND ALL PUBLIC AND/OR PRIVATE SERVICE CORPORATIONS HAVING WIRE, POLES, PIPES, CONDUIT, MANHOLES OR OTHER STRUCTURES THAT MAY BE AFFECTED BY THIS OPERATION, INCLUDING ALL STRUCTURES WHICH ARE AFFECTED AND NOT SHOWN ON THESE PLANS. OWNERS OF UNDERGROUND UTILITIES WHICH ARE MEMBERS OF THE OHIO UTILITIES PROTECTION SERVICE CAN BE NOTIFIED BY CALLING 800-362-2784 (TOLL FREE). NON-MEMBER UNDERGROUND UTILITY OWNERS MUST BE CALLED DIRECTLY.

SUPPORTING AND/OR PROTECTING EXISTING WATER LINES, GAS MAINS, TELEPHONE CONDUIT, STORM SEWERS, ETC. SHALL BE INCLUDED IN PAYMENT FOR THE VARIOUS CONTRACT ITEMS OF WORK.

ALL WORK REQUIRED FOR THE MAINTENANCE OF SERVICE OF EXISTING UTILITIES SHALL BE DONE BY, AND AT THE EXPENSE OF, THE CONTRACTOR.

ALL MAINTENANCE, REPAIR AND/OR REPLACEMENT OF EXISTING UTILITIES SHALL BE IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE VARIOUS UTILITY COMPANIES HAVING JURISDICTION.

ALL EXISTING STORM SEWERS, DRIVEWAY DRAINS, AND OTHER SURFACE DRAIN PIPES, WHETHER SHOWN ON THE CONTRACT DRAWINGS OR NOT, REMOVED OR DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED AND RECONNECTED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER AT NO COST TO THE CITY. REPLACED DRAIN PIPES SHALL BE LAID ON COMPACTED BEDDING EQUAL IN DENSITY TO SURROUNDING STRATUM. ALL UTILITIES OTHER THAN WATER AND SEWER LINES ARE TO BE RELOCATED, AS DIRECTED BY THE ENGINEER, AT NO COST TO THE CITY.

IT IS ASSUMED THAT THERE ARE WATER AND GAS BRANCH LINES, ETC., SERVING EACH RESIDENCE. THE CONTRACTOR SHALL REPAIR AND REPLACE THESE UTILITIES, IF DAMAGED, AT NO COST TO THE CITY.

IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY WITH THE INDIVIDUAL UTILITY OWNERS THAT ABANDONED SERVICE TAPS HAVE BEEN PROPERLY DISCONNECTED AND TERMINATED IF THE TAPS ARE ENCOUNTERED DURING CONSTRUCTION.

1306 CONTRACTOR FURNISHED EQUIPMENT

THE CONTRACTOR SHALL SUBMIT TO THE CITY TRAFFIC ENGINEER FOR REVIEW AND APPROVAL SEVEN (7) SETS OF DRAWINGS, CATALOG CUTS, SPECIFICATIONS, DATA SHEETS, WIRING DIAGRAMS, ETC., FOR ALL APPARATUS AND EQUIPMENT THAT THE CONTRACTOR PROPOSES TO FURNISH. NO EQUIPMENT MAY BE PURCHASED OR INSTALLED WITHOUT WRITTEN APPROVAL.

1308 EQUIPMENT FURNISHED BY THE CITY

THE FOLLOWING EQUIPMENT WILL BE FURNISHED TO THE CONTRACTOR BY THE CITY:

- OVERHEAD FLAT SHEET TYPE, AS NOTED.

THE CONTRACTOR SHALL FURNISH ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS FOR A COMPLETE INSTALLATION OF THIS EQUIPMENT.

1309 INSTALLATION PRACTICES

MINOR REPOSITIONING OF SIGNS OR SIGNALS MAY BE NECESSARY AND THE CONTRACTOR SHALL MAKE THE ADJUSTMENTS AS DIRECTED BY THE ENGINEER. WORK SHALL BE INCIDENTAL TO THE COST OF THE ITEM BEING REPOSITIONED.

1311 INSPECTION

IN ADDITION TO THE PROVISIONS OF ITEM 105.10, THE CONTRACTOR SHALL OBSERVE THE FOLLOWING:

- ALL CONDUIT IN TRENCH SHALL BE APPROVED BEFORE BACKFILL AND/OR CONCRETE ENCASEMENT IS COMPLETED.
- ALL FOUNDATIONS FOR ANCHOR BASE POLES, COMPLETE WITH ANCHOR BOLTS AND REBAR CAGES INTACT, SHALL BE APPROVED PRIOR TO CONCRETE POUR.

1312 ELECTRIC POWER SERVICE

COORDINATE WITH DUKE ENERGY FOR POWER SERVICE. CONTACT ANDY CARTER, TRAFFIC ENGINEERING, AT 378-6190 FOR ACTUAL REQUEST FOR SERVICE CONNECTION TO THE PROPOSED SERVICE POINT AFTER APPROVED INSPECTION BY DOTE SIGNALS INSPECTOR. CONTRACTOR SHALL NOT MAKE CONNECTIONS TO PROPOSED SERVICE POINT AT ANY TIME.

ELECTRIC SERVICE REQUIREMENTS:
FOR TRAFFIC SIGNALS, 120 VOLTS, 60 AMPERE.
FOR STREET LIGHTING, 120/240 3-WIRE.

THE CONTRACTOR SHALL PROVIDE ALL SERVICE EQUIPMENT NECESSARY TO CONNECT THE TRAFFIC SIGNALS AND STREET LIGHTING TO THE POWER SOURCE AS PER CONTRACT PLANS. DETAILS AND STANDARD DRAWING ES-2-2 & ES-7-1, SAFETY SWITCH FOR TRAFFIC SIGNALS WILL BE 60 AMP UNFUSED. ADD 40 AMP IN-LINE FUSE KIT AT THE FIRST CITY OWNED PULLBOX FROM DUKE SERVICE MANHOLE.

ODOT SUPPLEMENTAL SPECIFICATIONS	
SS-800	(01/19/24)
SS-804	(01/19/24)
SS-809	(01/19/24)
SS-832	(07/21/23)
SS-904	(07/15/22)
SS-909	(01/19/24)

ODOT STANDARD CONSTRUCTION DRAWINGS		
HL 30.11	(07/21/23)	MT 105.10 (01/17/20)
ITS 10.11	(07/19/24)	TC 21.21 (01/20/23)
MT 95.31	(07/19/19)	TC 41.30 (04/21/23)
MT 95.32	(04/19/19)	TC 81.21 (07/21/23)
MT 95.50	(07/21/17)	TC 83.20 (01/19/24)
MT 95.60	(04/19/19)	TC 84.20 (01/19/24)
MT 95.61	(04/19/19)	TC 84.21 (10/18/13)
MT 97.10	(04/19/19)	TC 85.10 (01/19/24)
MT 97.11	(01/20/17)	-----

CITY OF CINCINNATI STANDARD CONSTRUCTION DRAWINGS					
5578 (02/01/91)	21511 (02/01/91)	ES-1-3 (07/19/04)	ES-3-6 (08/24/04)	ES-6-1 (09/02/04)	
21430 (05/01/95)	21514 (04/08/91)	ES-1-4 (07/19/04)	ES-3-9 (08/30/04)	ES-6-2 (03/29/05)	
21435 (04/03/91)	21515 (05/01/95)	ES-2-1 (08/29/04)	ES-3-10A (09/15/04)	ES-6-3 (09/07/04)	
21437 (05/01/95)	21516 (05/01/95)	ES-2-2 (08/28/04)	ES-3-10B (08/30/04)	ES-7-1 (03/04/99)	
21502 (04/03/91)	22855 (06/01/95)	ES-3-1 (08/18/04)	ES-3-10C (08/30/04)	ES-10-1 (09/01/04)	
21505 (05/01/95)	27256 (01/07/03)	ES-3-2 (08/13/04)	ES-3-10D (01/16/15)	ES-10-2 (04/05/05)	
21506 (05/01/95)	ES-1-0 (08/30/07)	ES-3-3 (12/10/10)	ES-4-1 (08/31/04)	-----	
21507 (05/01/95)	ES-1-1 (07/19/04)	ES-3-4 (08/18/04)	ES-4-2 (08/31/04)	-----	
21508 (05/01/95)	ES-1-2 (07/16/04)	ES-3-5 (08/20/04)	ES-5-1 (09/01/04)	-----	

1313 TESTING

TESTING SHALL MEET THE REQUIREMENTS OF ODOT 625.22. PRIOR TO ACCEPTANCE THE CONTRACTOR SHALL CONDUCT A TEN (10) DAY BURN TEST OF THE COMPLETED AND OPERATIONAL STREET LIGHTING SYSTEM. THE LIGHTING SYSTEM SHALL OPERATE FOR TEN CONSECUTIVE DAYS WITHOUT INTERRUPTION AND BE FREE OF ANY MALFUNCTIONS.

THE CONTRACTOR SHALL OPERATE ALL NEW TRAFFIC SIGNALS FOR FIVE (5) CONTINUOUS DAYS IN FLASHING OPERATION, UNLESS OTHERWISE INSTRUCTED BY THE ENGINEER. REBUILT OR REPLACED TRAFFIC SIGNALS ARE TO BE OPERATED IN COLOR MODE DIRECTLY. PRIOR TO ACCEPTANCE OF ANY NEW, REBUILT OR REPLACED TRAFFIC SIGNAL, THE TRAFFIC SIGNAL SHALL HAVE A FINAL TEST CONSISTING OF 30 MINUTES OF COLOR OPERATION WITHOUT FAILURE OR MALFUNCTIONS.

ALL GROUND RODS SHALL BE TESTED BY THE CONTRACTOR AND HAVE A RESISTANCE TO GROUND OF 25 OHMS OR LESS.

CTCS TYPE INTERCONNECT CABLE SHALL BE TESTED BY THE CONTRACTOR TO VERIFY THE CAPABILITY OF VOICE TRANSMISSION AND THE ABSENCE OF EXCESSIVE INDUCED NOISE. MEASUREMENTS SHALL BE PERFORMED BY THE CONTRACTOR ON ALL DATA CIRCUITS TO INSURE THAT THE TRANSMISSION BANDWIDTH IS REASONABLE FOR DATA TRANSMISSION AT 1200 BAUD USING FREQUENCY SHIFT KEYED MODULATION OF 1200 AND 2200 HERTZ. THE TESTS SHALL ALSO VERIFY THAT THERE ARE NO SHORTS OR OPEN CIRCUITS TO ANY TERMINATION POINT, AND THAT EACH PAIR IS CAPACITIVELY BALANCED TO GROUND. ANY DISCREPANCIES OR TEST FAILURES SHALL BE CORRECTED BY THE CONTRACTOR. COST SHALL BE INCIDENTAL TO THE ITEM TESTED.

1314 MAINTENANCE OF EXISTING TRAFFIC SIGNAL

THE CONTRACTOR SHALL MAINTAIN AND KEEP OPERATIONAL THE EXISTING TRAFFIC SIGNAL INSTALLATIONS UNTIL NEW EQUIPMENT HAS BEEN INSTALLED AND IS FUNCTIONAL. WORK WILL INCLUDE ANY MODIFICATIONS TO EXISTING OR TEMPORARY TRAFFIC SIGNAL INSTALLATIONS AS REQUIRED BY CHANGES IN CONSTRUCTION OR OPERATIONAL CONDITIONS FOR VEHICULAR TRAFFIC AND PEDESTRIANS IN THE PROJECT AREA THROUGHOUT THE ENTIRE CONTRACT PERIOD. THIS WILL INCLUDE RELOCATIONS, REMOVALS, COVERING OR UNCOVERING OF TRAFFIC/PEDESTRIAN SIGNALS AND ILLUMINATED/REFLECTORIZED SIGNS AND OTHER TRAFFIC SIGNAL EQUIPMENT, AND THE INSTALLATION OF TEMPORARY POLES OR TEMPORARY POLE GUYS TO SATISFY SAFETY AND OPERATIONAL CONDITIONS THROUGHOUT THE PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR DAMAGE TO ANY OF THE TRAFFIC SIGNAL COMPONENTS REQUIRED TO BE HANDLED DURING RELOCATION OF POLES AND MODIFICATIONS TO THE TRAFFIC SIGNAL SYSTEM. THE CONTRACTOR IS RESPONSIBLE FOR NORMAL MAINTENANCE OF THE TRAFFIC SIGNAL INSTALLATIONS, INCLUDING LAMP REPLACEMENT AND REPAIRS REQUIRED DUE TO OUTAGES OR DAMAGE TO EQUIPMENT CAUSED BY CIRCUMSTANCES OTHER THAN THE CONTRACTOR'S OPERATIONS. THE CITY OF CINCINNATI IS RESPONSIBLE FOR THE MAINTENANCE OF THE CONTROLLER EQUIPMENT.

PRIOR TO STARTING ANY TRAFFIC SIGNAL EQUIPMENT INSTALLATION, THE CONTRACTOR MUST SUBMIT AN INSTALLATION PLAN FOR EACH INTERSECTION THAT SHOWS ALL WORK, INCLUDING ANY PHASED APPROACH TO THE INSTALLATION OF NEW AND RELOCATION OF EXISTING OR TEMPORARY EQUIPMENT. THIS INSTALLATION PLAN WILL BE REVIEWED AND APPROVED BY THE CITY'S TRAFFIC ENGINEER, CONSTRUCTION/PROJECT ENGINEER, AND, AS NEEDED, THE STREETCAR PROJECT MANAGER.

TWO SIGNAL HEADS MUST BE LOCATED WITHIN THE CONE OF VISION (PER OMUTCD FIG. 4D-4) FOR VEHICULAR TRAFFIC FOR ALL APPROACHES DURING PHASED CONSTRUCTION. THESE MAY INCLUDE THE EXISTING SIGNALS OR BE INSTALLED WITHIN THE EXISTING BOOMS, ON MAST ARMS, OR SPAN WIRE AND CAN BE PLACED HORIZONTALLY OR VERTICALLY AS APPROPRIATE FOR THE SPECIFIC SITE. SIDE-MOUNTED TRAFFIC SIGNALS MAY BE USED AS A SUPPLEMENTAL INSTALLATION IF NEEDED FOR ADEQUATE DRIVER SIGHT DISTANCE. TRAFFIC SIGNALS MUST BE SEPARATED BY A MINIMUM OF 8 FEET AND MUST BE LOCATED A MINIMUM OF 16 FEET ABOVE THE PAVEMENT. (THE DOWNTOWN BOOMS ARE APPROXIMATELY 15.5 FEET ABOVE THE PAVEMENT.) STREETCAR (TRANSIT) SIGNALS MUST BE LOCATED A MINIMUM OF 4 FEET FROM ANY TRAFFIC SIGNALS. SIGNALS WITH OVERHEAD WIRING MAY BE PERMITTED WHERE DEEMED APPROPRIATE BY THE CITY'S TRAFFIC ENGINEER.

PEDESTRIAN SIGNALS MUST BE OPERATIONAL AT ALL LOCATIONS WHERE CROSSINGS ARE PERMITTED AND SHALL BE LOCATED NO FARTHER THAN 5 FEET FROM THE EDGE OF THE CROSSWALK FOR ADEQUATE VISIBILITY BY PEDESTRIANS. POSTS WITH OVERHEAD WIRING MAY BE PERMITTED WHERE DEEMED APPROPRIATE BY THE CITY'S TRAFFIC ENGINEER.

ONE-WAY AND LANE USE SIGN COVERING, RELOCATION, OR REMOVAL WILL BE REQUIRED FOR ANY CHANGE IN LANE USE OF THE ROADWAY DUE TO THE LOSS OF LANES FOR A PEDESTRIAN CORRIDOR OR CONSTRUCTION STAGING. THE BLACK OUT OR CHANGE OF PAVEMENT MARKINGS AND ARROWS MUST ALSO BE CONSIDERED IN COORDINATION WITH LANE USE AND SIGN CHANGES.

WHERE PROPOSED NEW EQUIPMENT BLOCKS OR OBSCURES THE LINE OF SIGHT OF EXISTING EQUIPMENT, OR WHERE NEW EQUIPMENT IS PROPOSED IN THE SAME LOCATION AS EXISTING EQUIPMENT, THE CONTRACTOR SHALL TEMPORARILY ADJUST EXISTING OR NEW SIGNALS AND SIGNS. NEW TRAFFIC SIGNALS AND SIGNS WHICH WERE TEMPORARILY ADJUSTED SHALL BE RE-POSITIONED IN THE PROPOSED LOCATIONS AS INDICATED IN THE PLANS AFTER EXISTING EQUIPMENT IS REMOVED.

THE INTERCONNECT SYSTEM SHALL BE MAINTAINED THROUGHOUT THE PROJECT AREA DURING THE CONTRACT PERIOD. USING EXISTING, TEMPORARY CABLE OR NEWLY INSTALLED INTERCONNECT CABLE TO MAINTAIN THE INTERCONNECT SYSTEM WILL BE DETERMINED IN EACH PHASE OF CONSTRUCTION AS PART OF EACH TRAFFIC SIGNAL INSTALLATION'S PLAN. ANY REQUIRED SPLICES SHALL BE MADE AT THE EXISTING INTERSECTION DROP SPLICE LOCATIONS IF REQUIRED.

AT INSTALLATIONS WHERE INTERCONNECT CABLE DOES NOT EXIST, INSTALL THE SPECIFIED NEW INTERCONNECT CABLE SYSTEM PRIOR TO COMPLETING AND OPERATING THE NEW OR RECONSTRUCTED TRAFFIC SIGNAL SYSTEM, OR PROVIDE AN EQUIVALENT MEANS SUBJECT TO THE CITY'S TRAFFIC ENGINEER APPROVAL, TO MAINTAIN SIGNAL COORDINATION AT ALL TIMES. COORDINATE WITH THE TRAFFIC ENGINEER FOR SCHEDULING OF ANY CONNECTIONS/SPLICES TO THE INTERCONNECT SYSTEM.

1315 MAINTENANCE OF EXISTING STREET LIGHTING CIRCUIT

KEEP THE EXISTING STREET LIGHTING SYSTEM IN OPERATION UNTIL TESTING AND CITY ACCEPTANCE OF THE NEW CIRCUIT(S) AND/OR LIGHTS. TEMPORARY LIGHTING FIXTURES AND WIRING MAY BE NECESSARY TO ADEQUATELY LIGHT THE PROJECT AREA DURING PHASES OF CONSTRUCTION. PLANS FOR MAINTAINING ADEQUATE LIGHT LEVELS, WITH EXISTING OR TEMPORARY FIXTURES, SHOULD BE INCLUDED IN THE PHASING PLANS FOR THE CONSTRUCTION, SIMILAR TO THOSE FOR TRAFFIC SIGNAL INSTALLATIONS, AND REVIEWED AND APPROVED BY THE CITY'S TRAFFIC ENGINEER.

THE CONTRACTOR IS RESPONSIBLE FOR DAMAGE TO ANY STREET LIGHTING EQUIPMENT WHILE IN THE CONTRACTOR'S POSSESSION, OR WHERE EXISTING OR TEMPORARY COMPONENTS ARE DAMAGED DUE TO THE CONTRACTOR'S OPERATIONS.

THIS ITEM SHALL BE PAID BASED UPON DETAILS LISTED ON THE LIGHTING PAGES.

1316 REMOVAL OF EXISTING TRAFFIC SIGNAL, BY LOCATION

THE CONTRACTOR SHALL REMOVE ALL OLD EQUIPMENT AND MAKE THE NECESSARY RESTORATIONS. IT WILL BE THE CONTRACTORS RESPONSIBILITY TO RETURN TO THE CITY OF CINCINNATI ALL OLD EQUIPMENT EXCEPT CUT OFF STEEL EMBEDDED BASE POLES, OLD SIGNAL CABLE, AND OLD SPAN WIRE. THE CONTRACTOR SHALL CONTACT THE TRAFFIC SERVICES BUREAU SUPERVISOR AT 591-6092 TO ARRANGE RETURN OF THE OLD EQUIPMENT UNDAMAGED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSAL OF THE UNWANTED EQUIPMENT. DEMOLITION SHOULD BE COORDINATED WITH NEW INSTALLATIONS SUCH THAT SERVICES ARE NOT LOST AT ANY TIME. EXISTING EQUIPMENT SHOULD NOT BE REMOVED OR DISCONNECTED UNTIL NEW EQUIPMENT IS TURNED ON AND OPERATIONAL WITHOUT PRIOR APPROVAL BY DOTE TRAFFIC ENGINEERING. POLES THAT ARE DOUBLE LOADED WITH BOTH THE PROPOSED AND THE EXISTING SIGNAL EQUIPMENT BEING REQUIRED DURING INSTALLATION OF THE PROPOSED SHALL BE TEMPORARILY GUYED FOR THE DURATION THE POLE IS DOUBLE LOADED. THIS GUYING IS INCIDENTAL TO THE "MAINTENANCE OF EXISTING TRAFFIC SIGNAL LOCATION" BID ITEM.

1316 REMOVAL OF EXISTING EQUIPMENT, REFLECTORIZED OVERHEAD SIGN

THIS ITEM SHALL BE PAID ON A LUMP SUM BASIS FOR EACH ITEM. MAKE ARRANGEMENTS PRIOR TO THE RETURN OF ALL REUSABLE EQUIPMENT TO THE TRAFFIC SERVICES, 3300 COLERAIN AVENUE. THE CONTRACTOR IS RESPONSIBLE FOR THE LAWFUL DISPOSAL OF ALL UNWANTED EQUIPMENT.

1318 STEEL POLES, PEDESTALS AND STREET LIGHTING POLES

ALL STEEL POLES SHALL MEET ALL SPECIFICATIONS IN ITEM 1318 AND STANDARD DRAWING TC-81.22. ALL VISIBLE ELEMENTS OF THE SUPPORT, AND ANY OTHER PARTS REQUIRED TO BE COATED, SHALL BE GALVANIZED (IF APPLICABLE) AND THEN POWDER-COATED. THE TOP FINISH COAT OF PAINT SHALL BE SIMILAR TO: FEDERAL SPECIFICATION 595-B COLOR #17038, BLACK. THE FINISH SHALL BE PROTECTED DURING TRANSPORTATION BY A SUITABLE PLASTIC OR RUBBER WRAPPING.

ALL POLES, AND ANY MATERIALS ATTACHED TO THEM, SHALL BE LOCATED A MINIMUM OF 2 FEET FROM THE FACE OF THE CURB TO THE FACE OF THE POLE. THIS MAY REQUIRE ATTACHMENT HARDWARE IN EXCESS OF ONE FOOT FOR THE ATTACHMENT OF PEDESTRIAN SIGNALS TO POLES.

WHERE STREET LIGHTING BRACKET ARMS ARE SPECIFIED, POLE PLATES AND 1 1/2" HALF COUPLING SHALL BE WELDED TO THE POLE AS SHOWN IN ES-10-1 AND ES-10-3. BRACKET ARMS SHALL BE SIZE AND TYPE AS PER PLAN. CONTRACTOR TO INSTALL DEAD END CLEVIS TO SERVE STREET LIGHT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE POLES WHILE IN HIS POSSESSION. MINOR DEFECTS OR SCRATCHES ARE TO BE REPAIRED AS DIRECTED BY THE ENGINEER. IF ANY MAJOR DAMAGE OR SCRATCHES OCCUR, THE CITY SHALL REPLACE THE POLE WITH A DUPLICATE, AND THE CONTRACTOR SHALL REIMBURSE THE CITY THE COST OF THE DAMAGED POLE, OR THE COST SHALL BE DEDUCTED FROM THE PAYMENT TO THE CONTRACTOR.

PAYMENT WILL BE MADE AT THE CONTRACT UNIT PRICE BID FOR EACH ITEM AS SPECIFIED, AND SHALL BE FULL COMPENSATION FOR ALL LABOR, TOOLS, EQUIPMENT AND INCIDENTALS NECESSARY FOR EACH ITEM INSTALLED, COMPLETE IN PLACE AND ACCEPTED. (THE WELDING OF NIPPLES FOR CABLE ENTRANCE AND WEATHERHEADS SHALL BE INCIDENTAL TO THE INSTALLATION BY THE CONTRACTOR).

1319 FOUNDATIONS

ALL CONCRETE FOUNDATIONS SHALL BE CONSTRUCTED AS PER SPECIFICATION 1319 PER STANDARD DRAWING TC-21.21, AND IF APPLICABLE, THE DETAIL SHOWN ON PAGE TR111. ALL FOUNDATIONS SHALL INCLUDE ALL REINFORCING RODS, ANCHOR BOLTS AND CONDUIT ELLS.

FOUNDATIONS SHALL BE CURED FOR A MINIMUM OF SEVEN (7) DAYS BEFORE ERECTION OF POLES, POSTS AND CABINETS.

FOUNDATIONS SHALL BE CURED FOR A MINIMUM OF FOURTEEN (14) DAYS BEFORE FOUNDING IS APPLIED. SEE ODOT ITEM 632.13.

CURING TIMES CAN BE ACCELERATED USING FAST SET CONCRETE WITH THE SUBMITTAL OF PROPER MATERIAL DOCUMENTATION AND PRIOR APPROVAL FROM THE ENGINEER.

WHERE EXCAVATION CAUSES CAVING DUE TO SOIL CONDITIONS, THE USE OF CORRUGATED PIPE IS AUTHORIZED, AS DIRECTED BY THE ENGINEER. THE EXCAVATION IS TO BE BACKFILLED WITH CONTROL DENSITY FILL AFTER THE FOUNDATION HAS BEEN Poured. THE USE OF SONO-TUBE OR SIMILAR TUBING MATERIAL IS NOT PERMITTED.

THE COST OF THE PIPE, BACKFILL AND LABOR TO INSTALL IT SHALL BE INCIDENTAL TO THE COST OF THE FOUNDATION.

ALL FOUNDATIONS TO HAVE 1-4" PVC CONDUIT AND 1-3/4" PVC CONDUIT.

TOP OF FOUNDATION TO MATCH SIDEWALK ELEVATION. SEE DETAIL TO POUR TOP 6" OF FOUNDATION TO MATCH SIDEWALK. FOR RE-USE OF MPLT FOUNDATIONS, REFERENCE DRAWING ON PAGE TR111.

1320 GROUND RODS

A 1" X 10' COPPER CLAD STEEL GROUND ROD SHALL BE DRIVEN INTO THE BOTTOM OF PULLBOXES WHICH ARE ADJACENT TO POLE FOUNDATIONS SO THAT ONE (1) FOOT OF THE ROD IS EXPOSED IN THE PULLBOX. WHERE PULLBOXES ARE NOT ADJACENT TO POLES OR POSTS, DRIVE GROUND RODS ADJACENT TO THE POLE FOUNDATIONS AS PER STANDARD DRAWING ES-1-1. PAYMENTS FOR THE GROUND RODS SHALL BE MADE AT THE CONTRACT UNIT PRICE BID FOR EACH ITEM INSTALLED COMPLETE WITH #4 AWG GROUND WIRE, EXOTHERMIC WELD, TESTED AND ACCEPTED OR APPROVED GROUND ROD CLAMP. IF MORE THAN ONE GROUND ROD IS REQUIRED AT A LOCATION TO OBTAIN THE REQUIRED GROUND RESISTANCE, THE ADDITIONAL GROUND RODS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH AND SHALL INCLUDE ALL WIRE, CONNECTIONS AND OTHER MATERIALS AND LABOR TO INSTALL THE COMPLETE TESTED SYSTEM. TESTS SHALL COMPLY WITH ODOT SPEC. "625.19-TESTING OF INSTALLATIONS".

1321 TRENCH

ALL TRENCH FOR INSTALLATION OF CONDUIT IN SOD AREAS, UNDER WALKWAYS, OR SIDEWALKS SHALL BE 24" DEEP. TRENCH IN THE SOD AREAS SHALL INCLUDE BACKFILL AND RESTORATION IN ACCORDANCE WITH ITEM 625.12. THE BACKFILL UNDER SIDEWALKS OR WALKWAYS SHALL BE COMPACTED AS PER ITEM 603.10, AND ANY EXISTING SIDEWALK, CURB RAMPS AND/OR STEPS DISTURBED BY WORK THAT ARE SHOWN TO REMAIN SHALL BE RESTORED IN ACCORDANCE WITH ITEM 448 AND/OR 608.

1321 TRENCH, IN PAVED AREA

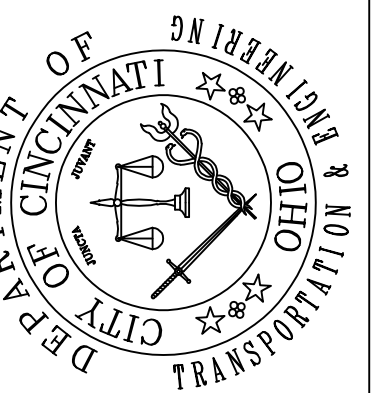
TRENCH UNDER ROADWAYS OR DRIVEWAYS SHALL BE 30" DEEP, AND SHALL INCLUDE PREMARKING THE AREA TO BE TRENCHED, SAW CUTTING, REMOVING THE MATERIAL, BACKFILLING, COMPACTING AND RESTORING THE SURFACE IN ACCORDANCE WITH ITEM 603 AND AS DIRECTED BY THE ENGINEER. BACKFILL UNDER GREEN STORMWATER CONTROLS ACCORDING TO DETAILS SHOWN ON THE PLANS.

1321 CONDUIT

CONDUIT UNDER SIDEWALKS OR SOD AREAS SHALL BE POLYVINYL CHLORIDE (PVC) SCHEDULE 40, TYPE II, WITH CONCRETE ENCASUREMENT. SIZE AS SPECIFIED IN THE PLANS.

CONDUIT UNDER STREETS OR DRIVEWAYS SHALL BE POLYVINYL CHLORIDE (PVC) SCHEDULE 40, TYPE II, WITH CONCRETE ENCASEMENT MEETING THE REQUIREMENTS OF ITEM 725.04. TYPE AND SIZE AS SPECIFIED IN THE PLANS.

WHERE PVC CONDUIT IS ROUTED THROUGH A TREETWELL, THE PVC CONDUIT SHALL HAVE AN RMC SLEEVE WITHIN THE EXTENTS OF THE TREETWELL AND EXTENDING 12" BEYOND THE TREETWELL ON EACH SIDE AND NO CONCRETE ENCASEMENT WITHIN THE LIMITS OF THE RMC SLEEVE. THE BID ITEM ASSOCIATED WITH THIS RMC SLEEVE IS SEPARATE FROM THE PVC CONDUIT BEING SLEEVED.



CONTRACT DRAWING
PRINTS NOT BEARING THIS SEAL SHALL NOT BE USED FOR BIDS AND ARE TO BE FOR CONTRACT PURPOSES.

Department of Transportation and Engineering
City of Cincinnati
801 Plum Street
Cincinnati, Ohio 45202

3CDC Cincinnati Streetscape Traffic Signal General Notes

Revisions

Date	No.	Description
8/19/2024	1	10/11/24 ADDENDUM 1
8/19/2024		
8/23/2024		
8/26/2024		

Drawn by: AKT
Designed by: AKT
Checked by: TCB
Reviewed by: MK

Consultant

HNTB

Project Number: 86664
Task No.: 3

TR100
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SIGN: _____
DATE: _____

TRAFFIC SIGNAL GENERAL NOTES

1322 ELECTRICAL BOXES

PULLBOXES MAY BE CAST-IN-PLACE OR PRECAST. PRECAST PULLBOXES SHALL HAVE REINFORCING INCLUDED. REFER TO THE STANDARD DRAWING ES-2-1. ALL PULLBOXES IN SIDEWALK OR STREET AREAS SHALL HAVE THE FRAME AND LID CAST INTEGRAL WITH FINAL SIDEWALK OR PAVING. PRECAST PULLBOXES WITH INTEGRAL FRAMES AND LIDS SHALL NOT BE PERMITTED IN SIDEWALK/PAVEMENT AREAS.

SUBMIT SEPARATE SUBMITTALS FOR ELECTRICAL BOXES IN SIDEWALK/PAVEMENT AREAS AND FOR ELECTRICAL BOXES IN GRASS/SOD AREAS.

1322 RE-USE EXISTING PULLBOX

THE WORK OF THIS ITEM SHALL INCLUDE CLEARING THE PULLBOX OF DEBRIS, CUTTING INTO THE SIDES OF THE PULLBOX FOR NEW CONDUIT ENTRIES AND CEMENT PATCHING AND REPAIRING THE BOX TO SATISFACTORY CONDITION APPROVED BY THE ENGINEER.

PAYMENT FOR 1322 "RE-USE EXISTING PULLBOX" WILL BE MADE AT THE CONTRACT UNIT PRICE BID AND SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIAL, TOOLS, EQUIPMENT, AND INCIDENTALS REQUIRED TO COMPLETE THIS ITEM OF WORK.

1323 CABLES, CONNECTORS AND ACCESSORIES

TRAFFIC SIGNAL CABLE SHALL BE STRANDED COPPER CONDUCTOR AND MEET THE REQUIREMENTS OF IMSA SPECIFICATION 19-1 OR 20-1. ANY OTHER CABLE AND WIRE SHALL BE THE TYPE AND SIZE SPECIFIED IN ACCORDANCE WITH THE PLANS AND STANDARD DRAWINGS. ALL ACCESSORIES, SPLICES AND HARDWARE WILL BE INCLUDED WITH THE CABLE AND WIRE. THE CITY SHALL APPROVE ALL CONNECTIONS AND SPLICES.

CONNECTION TO THE ENERGIZED TRAFFIC SIGNAL INTERCONNECT CABLE, OR DISCONNECTION, SHALL BE MADE BY THE CITY OF CINCINNATI FORCES. THE CONTRACTOR SHALL CONTACT THE TRAFFIC SERVICES BUREAU FIVE (5) DAYS IN ADVANCE AT 591-6092 TO ARRANGE THIS WORK.

CITY FORCES SHALL MAKE ALL SECTIONALIZER CONNECTIONS AND DISCONNECTIONS TO NEW OR EXISTING ENERGIZED INTERCONNECT CABLE. THE CONTRACTOR SHALL DO ALL OTHER WORK INVOLVED IN COMPLETING THE INSTALLATION OF THE CABLE SYSTEM.

ALL THIS WORK SHALL BE INCIDENTAL TO THE COST OF ITEM 1323 "INTERCONNECT CABLE".

CTCS CABLE (TRAFFIC CONTROL COMMUNICATION SYSTEM CABLE) WILL BE INSTALLED BY THE CONTRACTOR. EXISTING CTCS CAN BE UTILIZED TO RECONNECT THE TRAFFIC SIGNAL IF THE CONNECTION CAN BE SUCCESSFULLY MADE WITHOUT NEW SPLICES PENDING WRITTEN APPROVAL BY THE CITY. PREVIOUS NOTES RELATING TO CONNECTIONS BY CITY FORCES ALSO APPLY TO THIS CABLE.

CABLE TAGS SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR PER PLANS AND DETAILS CONTAINED HEREIN. PAYMENT FOR CABLE TAGS AND THEIR INSTALLATION IS INCIDENTAL TO THE ITEM "CABLE SUPPLIED AND INSTALLED".

ALL POWER, FEEDER AND POLE AND BRACKET CABLE SHALL BE RHH/RHW/USE INSULATION AND RATED FOR 600 VOLTS. STRANDED COPPER WIRE SHALL MEET THE REQUIREMENTS OF ITEM 1323.01. CONDUCTOR OUTER JACKET COLOR SHALL BE AS INDICATED ON PLAN SHEETS AND BE PROVIDED BY PERMANENTLY COLOR IMPREGNATING THE CONDUCTORS' OUTER JACKET ALONG ITS ENTIRE LENGTH DURING THE MANUFACTURING PROCESS. CODE FOR COLOR IMPREGNATING: LINE 1-RED, LINE 2-BLACK AND GROUND-GREEN. COLOR TAPE OR PAINT ARE NOT ACCEPTABLE SUBSTITUTES.

CONNECTOR KITS AND SPLICE KITS SHALL MEET THE REQUIREMENTS OF ODOT SPEC. ITEM 725.15. FUSED CONNECTORS FOR STREET LIGHTING SHALL INCLUDE 5 AMP UL CLASS CC FUSE, 600 VOLT.

CONNECTION OF ELECTRIC SERVICES TO THE DUKE ENERGY SECONDARY (120/240 VOLT) SYSTEM SHALL BE MADE BY DUKE ENERGY CREWS ONLY.

FOR ALL PROPOSED CABLES TO BE ROUTED ON EXISTING AERIAL SPAN WIRE, UN-LASH EXISTING TRAFFIC SIGNAL CABLES AND RE-LASH EXISTING AND PROPOSED CABLES IN A SINGLE BUNDLE. PROVIDE NEW #14 SOLID BARE COPPER LASHING CABLE AS PER ES-3-2. ALL COST TO UN-LASH AND RE-LASH CABLES TO EXISTING MESSENGER WIRE ARE INCIDENTAL AND TO BE INCLUDED IN THIS ITEM.

1324 TRAFFIC SIGNAL CONTROLLER, FURNISH AND INSTALLATION

THIS ITEM INCLUDES SUPPLYING AND INSTALLATION OF THE SIGNAL CONTROL EQUIPMENT INCLUDING SIGNAL CONTROLLER, DETECTOR AMPLIFIERS, CONTROL CABINET AND AUXILIARY CABINET PER ITEM 1324 IN THE CURRENT EDITION OF THE CITY SUPPLEMENT TO THE ODOT CMS.

CONTRACTOR TO SUPPLY NEW 2070LXD DUAL BOOT TYPE CONTROLLER UNIT RUNNING THE CURRENT VERSION OF WAPITI AND MAXTIME, 300MBPS WIRELESS N NANO ROUTER, 16 MB LOW PROFILE FLASH USB DRIVE, 330 CIN CABINET, LOOP DETECTOR AMPLIFIERS AND ALL ASSOCIATED EQUIPMENT TO MAKE SIGNAL OPERATIONAL AND COMPLETE. CONTRACTOR TO NOTIFY ENGINEER AND ARRANGE DELIVERY OF THE NEW CONTROLLER UNIT TO THE TRAFFIC SERVICES 30 DAY PRIOR TO THE DATE THE UNIT IS NEEDED FOR INSTALLATION. CITY FORCES WILL PROGRAM THE CONTROLLER WITH THE PROPOSED TIMING FOR THE SIGNAL. CONTRACTOR TO PICK UP THE CONTROLLER FROM PUBLIC SERVICE AND INSTALL POLE MOUNTED TRAFFIC SIGNAL CONTROLLER ON POLE AT LOCATION AND REFERENCE ANGLE IDENTIFIED ON THE PLAN SHEETS.

CONTRACTOR TO SUPPLY NEW AUXILIARY CABINET WITH INTERNAL POWER PANEL TO BE CONSTRUCTED TO NEMA 3 IN ACCORDANCE WITH ETHERNET ACCESS DEVICE MANUFACTURER RECOMMENDATION. CABINET SHALL BE 24" HIGH BY 24" WIDE BY 12" DEEP AND DESIGNED FOR FLANGE MOUNTING TO WALL OR POLE MOUNTING WITH A SINGLE FRONT DOOR SEALED WITH CLOSED CELL NEOPRENE GASKET WITH A CONTINUOUS HINGE ON THE RIGHT. CABINET SHALL HAVE ADJUSTABLE 100A RACK RAILS MOUNTED ON EQUIPMENT MOUNTING RAILS, WITH 10 RU TAPPED WITH #10-32. HARDWARE, DOOR CAM AND HINGE ARE TO BE STAINLESS STEEL. POWER PANEL SHALL INCLUDE 15A GFCI OUTLET, 15A RECEPTACLE OUTLET, SERVICE ENTRANCE, CB1 15A CIRCUIT BREAKER, SURGE SUPPRESSOR SPD@ S50A 120A, AND LINE, NEUTRAL AND GROUND TERMINAL BLOCKS. ATTACH AUXILIARY CABINET TO POLE AS PER

ES-3-1 USING 3/8" WIDE, 0.030" THICK SS BANDING TOP AND BOTTOM AND MOUNTING BRACKETS. CABLE ENTRANCE SHALL BE PER ES-3-1, INCLUDING COUPLING WELDED TO POLE, CONDULET, THREADED CLOSE NIPPLE, LOCKNUTS AND BUSHING EXCEPT COMPONENTS SHALL BE 4.0". INSTALL 2-CONDUCTOR 12 AWG CABLE FROM TRAFFIC SIGNAL CONTROLLER THROUGH THE CONTROLLER POLE TO AUXILIARY CABINET AND TERMINATE AT POWER PANEL AND IN TRAFFIC SIGNAL CONTROLLER. TERMINATION POINT WITHIN TRAFFIC SIGNAL CONTROLLER TO BE DETERMINED.

THE CONTRACTOR SHALL FURNISH ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS FOR A COMPLETE INSTALLATION OF THIS EQUIPMENT. THE CONTRACTOR SHALL COMPLY WITH SPEC. 1324.04 FOR THE INSTALLATION OF TRAFFIC SIGNAL CONTROLLER AND SHALL FURNISH ALL NECESSARY MOUNTING HARDWARE

1325 LUMINAIRE

LUMINAIRES INSTALLED ON COMBINATION TRAFFIC SIGNAL SUPPORTS SHALL BE MANUFACTURED BY GARCO, MODEL MA22L-96L-650-NW-G3-AR2-2-UNV-DD-F1-HIS-BLA. SEE PLAN SHEETS FOR DETAILS PER INTERSECTION.

1327 TRAFFIC SIGNALS

ALL TRAFFIC SIGNAL INDICATIONS SHALL BE OF THE LED TYPE AND ALL TRAFFIC SIGNAL HEADS SHALL BE OF POLYCARBONATE CONSTRUCTION AND BE PROVIDED WITH A 3/8" DRAIN HOLE IN THE BOTTOM. TRAFFIC SIGNALS SHALL BE INSTALLED PER ODOT DRAWINGS TC-81.22 AND TC-85.20. SIGNAL HEAD CONDUIT BRACKETS AND CONDUIT FITTINGS SHALL BE PAINTED BLACK. MOUNT SIGNS PER TC-85.20.

TRAFFIC SIGNAL HOUSING SHOULD BE BLACK BODY, BLACK TUNNEL VISORS, YELLOW DOORS AND NO BACKPLATES.

ALL TRAFFIC SIGNAL INDICATIONS SHALL BE OF THE LED TYPE (LEOTEK, GELCORE GE OR APPROVED EQUAL) AND BE ON THE CURRENT ODOT PREQUALIFIED LIST (QPL).

1327 PEDESTRIAN SIGNALS

PEDESTRIAN SIGNALS SHALL BE OF ALUMINUM CONSTRUCTION WITH A BLACK FINISH AND SHALL BE THE TYPE D2 (16 INCH, 1 SECTION, LED, COUNTDOWN TYPE, INCANDESCENT LOOK). THE PEDESTRIAN SIGNAL SHALL HAVE AN INTEGRAL HAND/WALKING PERSON ON THE LEFT SIDE OF SIGNAL SECTION (PORTLAND ORANGE HAND AND LUNAR WHITE WALKING MAN) AND THE RIGHT SIDE OF THE SECTION HEAD SHALL CONTAIN A COUNTDOWN DISPLAY. SIGNALS SHALL BE PROVIDED WITH A 3/8" DRAIN HOLE IN THE BOTTOM. SIGNALS SHALL BE PROVIDED WITH 1 INCH DEEP EGGCRATE TYPE VISORS. ALL MOUNTING HARDWARE (CLAMSHELL TYPE FOR STEEL POLES, PIPE MOUNT AND PVC RISER AND WEATHERHEAD FOR WOOD POLES) SHALL BE INCLUDED IN THE PRICE OF THE SIGNAL. SEE STANDARD DRAWINGS ES-3-2 AND ES-3-6 FOR MORE INFORMATION. ALL MOUNTING HARDWARE (FITTINGS AND PIPE) SHALL BE BLACK. THE PEDESTRIAN SIGNAL MUST HAVE A "ON/OFF" SWITCH FOR THE COUNTDOWN PORTION OF THE DISPLAY.

ALL PEDESTRIAN SIGNAL INDICATIONS SHALL BE OF THE LED TYPE AND BE ON THE CURRENT ODOT PREQUALIFIED LIST (QPL).

1329 REFLECTORIZED SIGNS

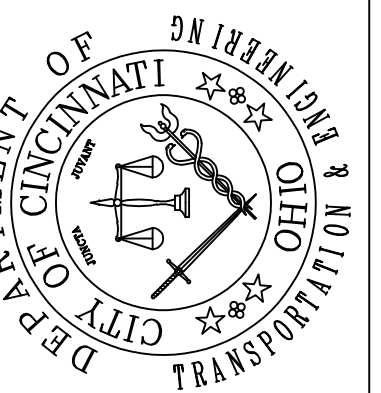
ALL OVERHEAD SIGNS WILL BE SUPPLIED BY THE CITY OF CINCINNATI SIGN SHOP. THE CONTRACTOR SHALL CONTACT THE CONSTRUCTION ENGINEER A MINIMUM OF TEN (10) WORKING DAYS TO ARRANGE TO PICK UP THE SIGNS TO BE INSTALLED. ENTRANCE HEADS FOR OVERHEAD REFLECTORIZED SIGNS SHALL BE UNPAINTED CAST ALUMINUM, CONTINUOUS SLOT TYPE (TRAFFIC PARTS NO. 7092 OR APPROVED EQUAL).

ANY SIGNS THAT ARE NOT INSTALLED ARE TO BE RETURNED THE SIGN SHOP IN NEW CONDITION.

THE CONTRACTOR IS TO INCLUDE IN THEIR BID PRICE FOR ITEM 1329, REFLECTORIZED SIGN, INSTALLATION ONLY ALL FURNISHING OF ALUMINUM DROP PIPE, STAINLESS STEEL MOUNTING HARDWARE, MAST ARM ATTACHMENT AND ANY OTHER HARDWARE NEEDED TO MOUNT EACH SIGN PER ODOT STANDARD DRAWING TC-85.20. RIGIDLY MOUNT SIGNS TO THE VERTICAL 1.5" VERTICAL CONDUIT WITH CAPS ON THE TOP & BOTTOM OF THE CONDUIT IN LIEU OF BENDS OR TEE FITTINGS. CONTRACTOR TO SUPPLY AND INSTALL NYLON WASHER BETWEEN STAINLESS STEEL BOLT HEADS AND SIGN FACES.

ITEM 1335 CABLE AND POLE IDENTIFICATION

IN ADDITION TO ITEM 1335, ALL INTERCONNECT CABLE INSTALLATIONS SHALL INCLUDE THE INSTALLATION OF WEATHERPROOF PLASTIC CABLE TAGS WITH INDELIBLE, IMPRINTED TEXT "COC 591-6000", ZIP TIED TO THE CABLE AT EVERY CABINET ATTACHMENT POINT.



CONTRACT DRAWING
PRINTS NOT BEARING THIS SEAL ARE NOT VALID FOR BIDS AND ARE TO BE USED FOR CONTRACT PURPOSES.

Department of Transportation and Engineering
City of Cincinnati
801 Plum Street
Cincinnati, Ohio 45202

3CDC Cincinnati Streetscape Traffic Signal General Notes

Revisions	
No.	Date
1	10/11/24
	ADDENDUM 1

Drawn by	AKT	Date	8/19/2024
Designed by	AKT	Date	8/19/2024
Checked by	TGB	Date	8/23/2024
Reviewed by	MK	Date	8/26/2024

Consultant



Project Number
86664

Task No.
3

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SIGN: _____
DATE: _____

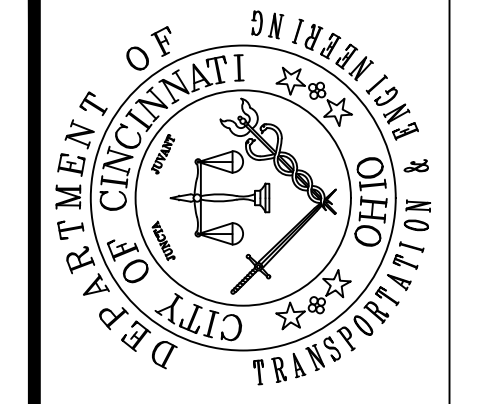
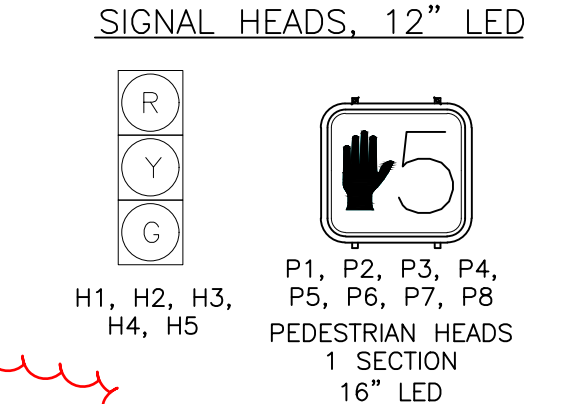
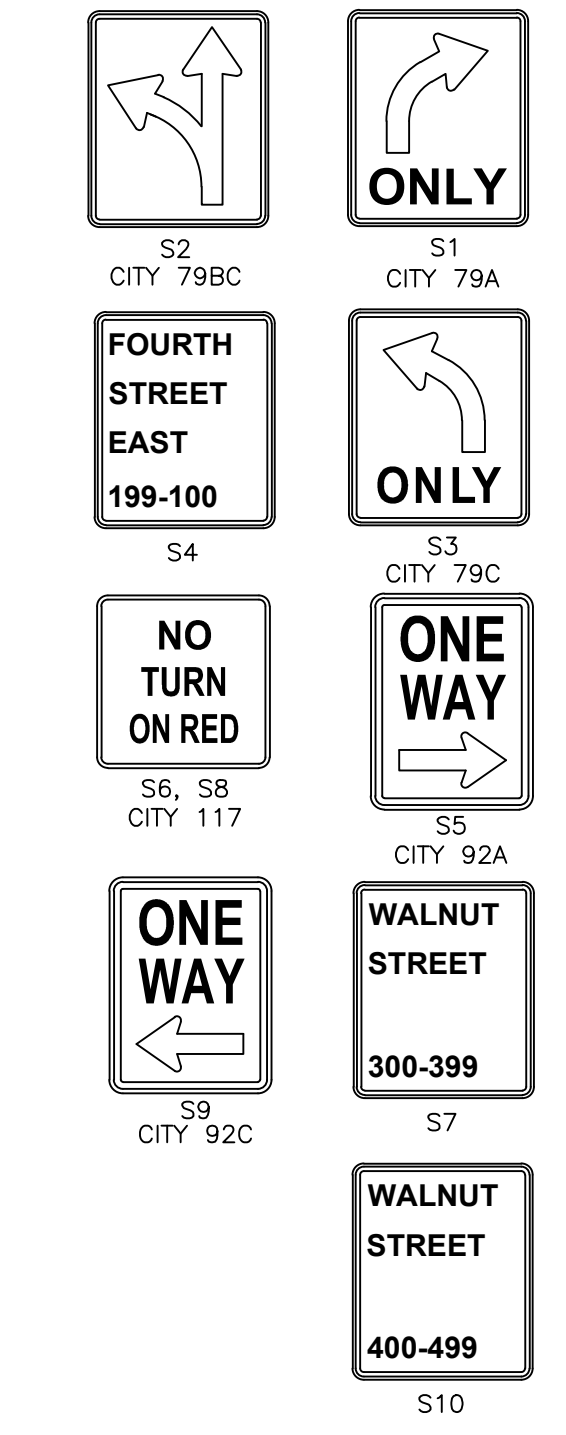
NOTE:

POLES WILL BE INSTALLED TO ACCEPT A STREETLIGHT. LIGHTING DETAILS PROVIDED BY OTHERS.

STREETLIGHTS ARE SHOWN AS ANGLED FOR VISUAL DIFFERENTIATION FROM MAST ARMS. REFER TO MAST ARM TABLES FOR ORIENTATION.

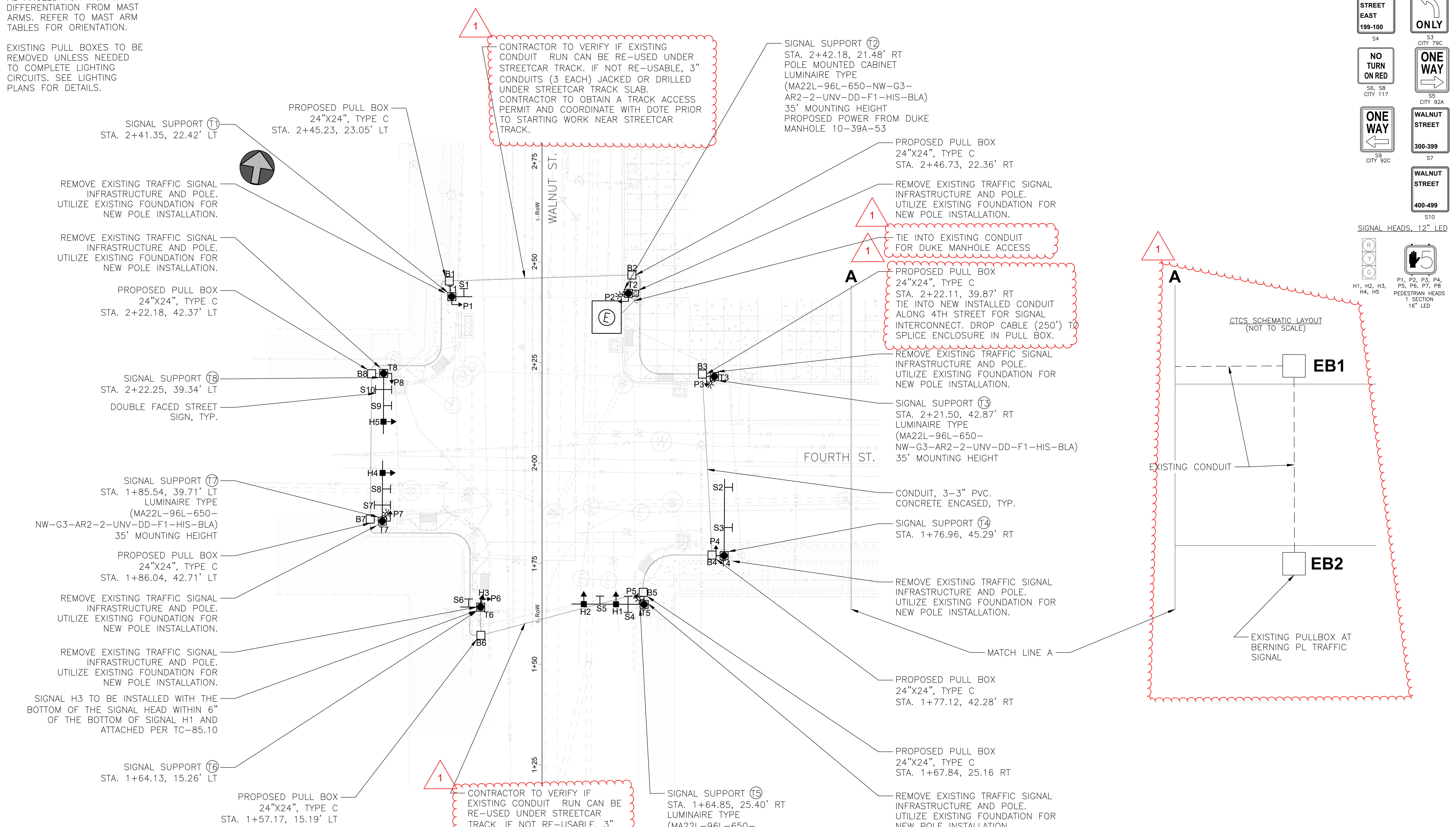
EXISTING PULL BOXES TO BE REMOVED UNLESS NEEDED TO COMPLETE LIGHTING CIRCUITS. SEE LIGHTING PLANS FOR DETAILS.

MAST ARM MOUNTED SIGNS

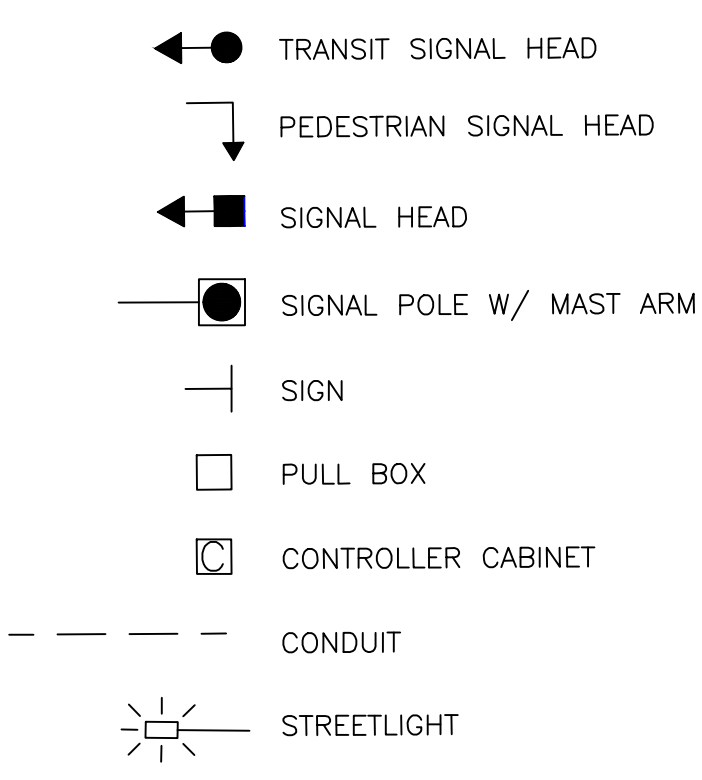


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WALNUT ST AND FOURTH ST SIGNAL PLAN



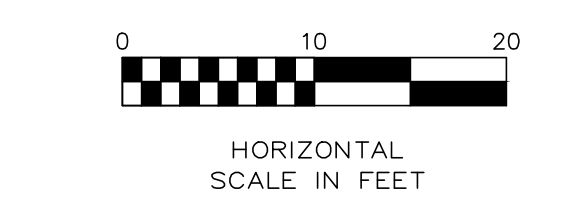
PROPOSED LEGEND



1 CONTRACTOR TO VERIFY IF EXISTING CONDUIT RUN CAN BE RE-USED UNDER STREETCAR TRACK. IF NOT RE-USABLE, 3" CONDUITS (3 EACH) JACKED OR DRILLED UNDER STREETCAR TRACK SLAB. CONTRACTOR TO OBTAIN A TRACK ACCESS PERMIT AND COORDINATE WITH DOTE PRIOR TO STARTING WORK NEAR STREETCAR TRACK.

1 TIE INTO EXISTING CONDUIT FOR DUKE MANHOLE ACCESS
 1 PROPOSED PULL BOX 24"x24", TYPE C STA. 2+22.11, 39.87' RT TIE INTO NEW INSTALLED CONDUIT ALONG 4TH STREET FOR SIGNAL INTERCONNECT. DROP CABLE (250') TO SPLICE ENCLOSURE IN PULL BOX.

1 Pullboxes and Signal Pole locations may have had location shifted during addendum 1. Each adjustment was not individually flagged for plan view legibility



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Revisions

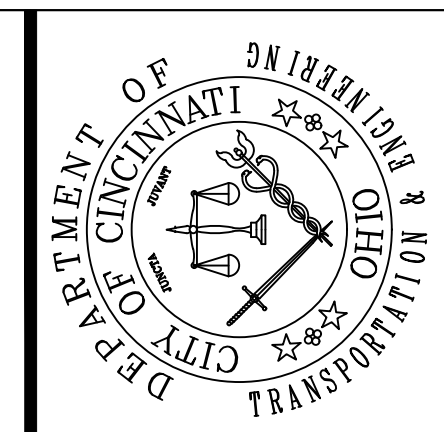
No.	Date	Description
1	10/11/24	ADDENDUM 1

Drawn by: AKT
 Designed by: AKT
 Checked by: TGB
 Reviewed by: MK

Consultant: **HNTB**

Project Number: 86664
 Task No.: 3

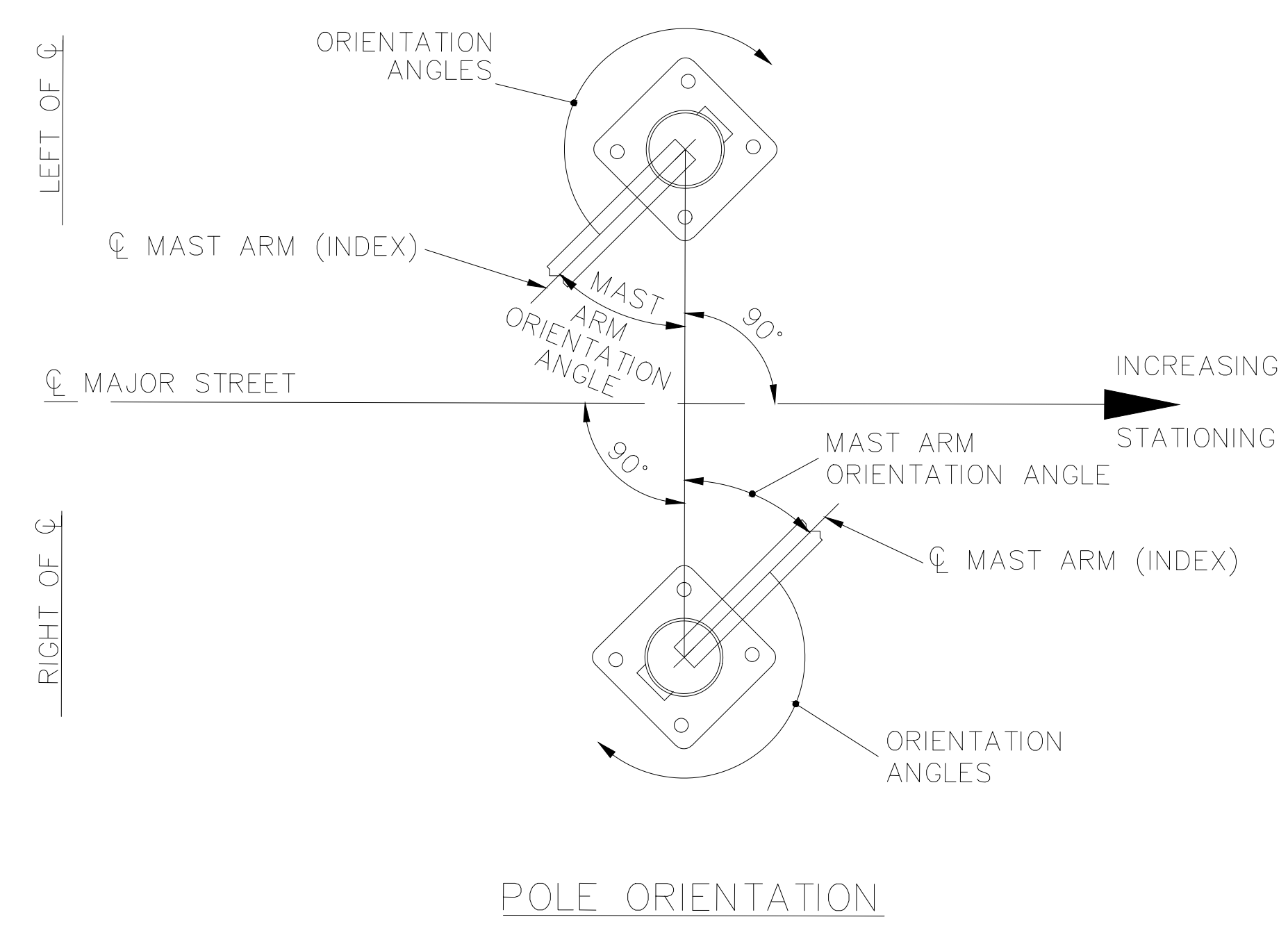
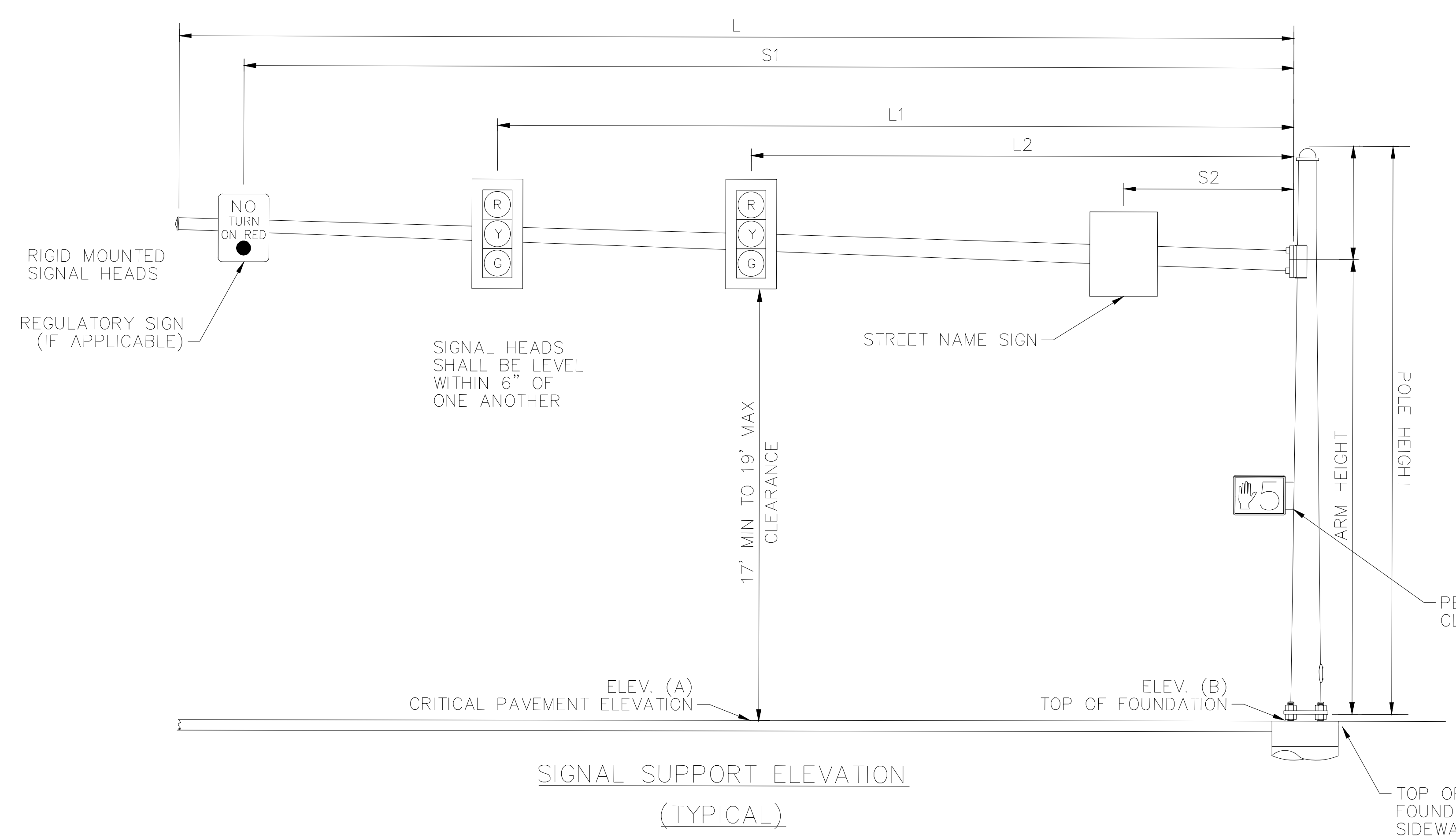
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 City of Cincinnati
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WALNUT ST AND FOURTH ST
 MAST ARM DETAILS



MAST ARM TABLE - WALNUT ST AND FOURTH ST

SUPPORT NO.	ARM DESIGNATION	STATION	OFFSET	ELEVATION		SIGNAL SUPPORT DETAILS											ANGLES (DEG.) FROM INDEX LINE									
				A (Pavement Elevation)	B (Top of Foundation)	DESIGN TYPE	DESIGN NO.	POLE HEIGHT FT	ARM HEIGHT FT	L FT	L1 FT	L2 FT	S1 FT	S2 FT	D1 FT	X FT	MAST ARM A INDEX LINE ANGLE DEG	MAST ARM B DEG	PEDESTRIAN SIGNAL DEG	PEDESTRIAN PUSHBUTTON DEG	POWER SERVICE DEG	SIGNAL CABINET DEG	BRACKET ARM DEG	HANDHOLE DEG	CABLE ENTRANCE 12" FROM TOP OF POLE EXTENSION DEG	
																										DEG
T1	A	2+41.35	22.42 LT	541.34	541.85	TC-81.22	2	26	20	4	-	-	2	-	-	-	0	-	90	-	-	-	-	90	-	
T2	-	2+42.18	21.48 RT	-	541.96	TC-81.22	2	36	-	-	-	-	-	-	-	-	0	-	270	-	-	180	0	270	-	
T3	-	1+21.50	42.87 RT	-	541.73	TC-81.22	2	36	-	-	-	-	-	-	-	-	0	-	0	-	-	-	270	180	-	
T4	A	1+76.96	45.29 RT	540.94	541.06	TC-81.22	2	26	20	18	-	-	16	6	-	-	90	-	270	-	-	-	-	90	-	
T5	A	1+64.85	25.40 RT	539.21	539.92	TC-81.22	2	36	20	17	14	6	10	3	-	-	0	-	90	-	-	-	0	270	-	
T6	A	1+64.13	15.26 LT	539.21	540.04	TC-81.22	2	26	20	4	0*	-	2	-	-	-	180	-	90	-	-	-	-	90	-	
T7	A	1+85.54	39.71 LT	540.90	541.00	TC-81.22	2	36	20	14	11	-	7	3	-	-	270	-	90	-	-	-	0	90	-	
T8	A	2+22.25	39.34 LT	541.50	541.85	TC-81.22	2	26	20	14	11	-	7	3	-	-	90	-	270	-	-	-	-	270	-	

NOTE: SIGNAL H3 TO BE INSTALLED 180 DEGREES FROM INDEX LINE FOR POLE T6.
 0* - DENOTES SIGNAL HEADS ATTACHED TO POLE, MOUNTED AT 20'.

PROFESSIONAL STAMP

SIGN: _____
 DATE: _____

Revisions

Date	No.	Description
8/19/2024	1	10/11/24 ADDENDUM 1

Drawn by: AKT
 Designed by: AKT
 Checked by: TGB
 Reviewed by: MK

Consultant

HNTB

Project Number: 86664
 Task No.: 3

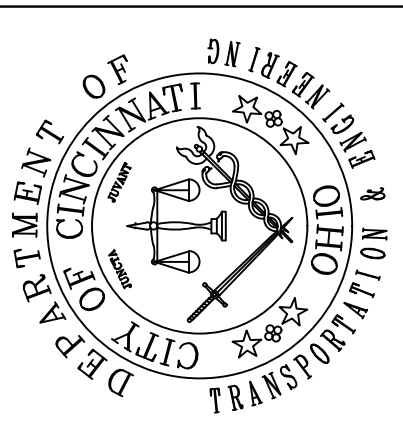
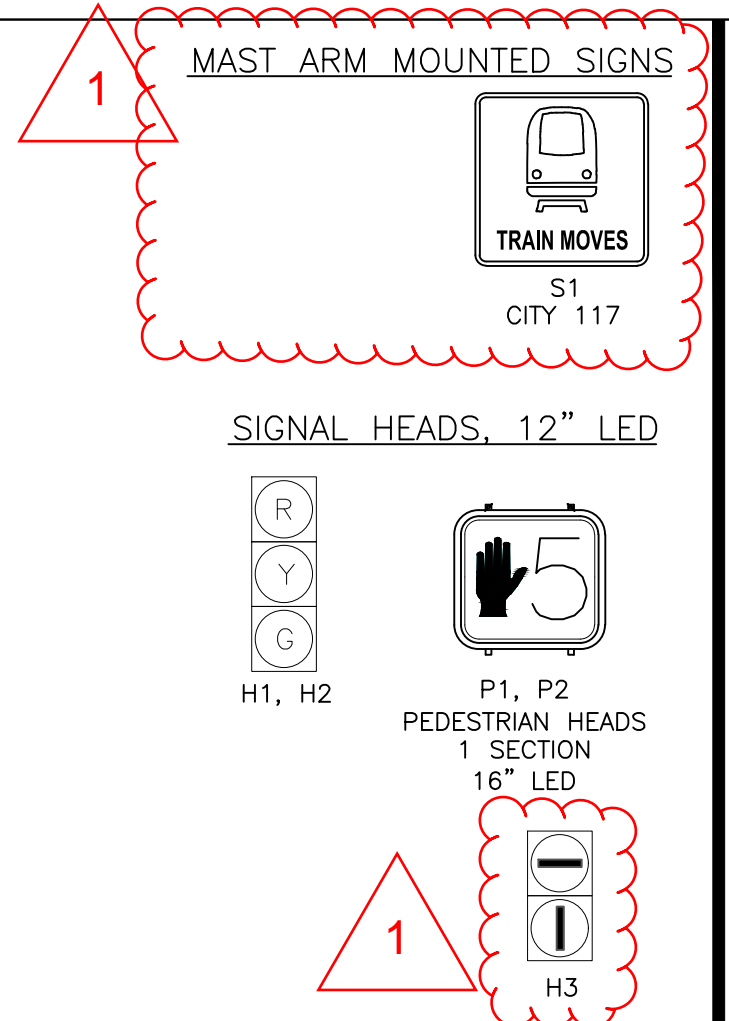
TR103
 XXX

NOTE:

POLES WILL BE INSTALLED TO ACCEPT A STREETLIGHT. LIGHTING DETAILS PROVIDED BY OTHERS.

STREETLIGHTS ARE SHOWN AS ANGLED FOR VISUAL DIFFERENTIATION FROM MAST ARMS. REFER TO MAST ARM TABLES FOR ORIENTATION.

EXISTING PULL BOXES TO BE REMOVED UNLESS NEEDED TO COMPLETE LIGHTING CIRCUITS. SEE LIGHTING PLANS FOR DETAILS.



CONTRACT DRAWING
 PRINTS NOT BEARING THIS STAMP WERE MADE FOR BIDS AND ARE TO BE CONSIDERED OBSOLETE FOR CONTRACT PURPOSES.

Department of Transportation and Engineering
 City of Cincinnati
 City Hall, Street Cincinnati, Ohio 45202

WALNUT ST BETWEEN FOURTH ST AND FIFTH ST
 SIGNAL PLAN

Revisions

No.	Date	Description
1	10/11/24	ADDENDUM 1

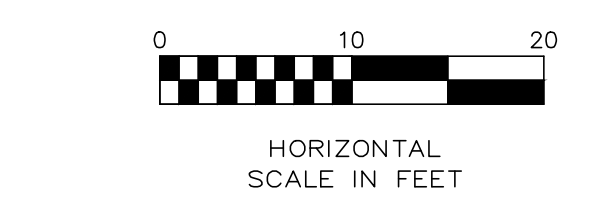
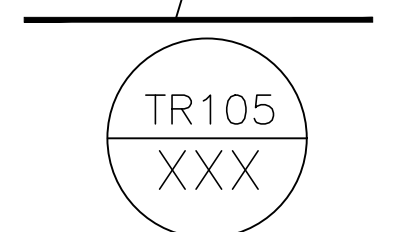
Date	Drawn by	Designed by	Checked by	Reviewed by
8/19/2024	AKT	AKT	TGB	MK
8/19/2024				
8/23/2024				
8/26/2024				

Consultant



Project Number
86664

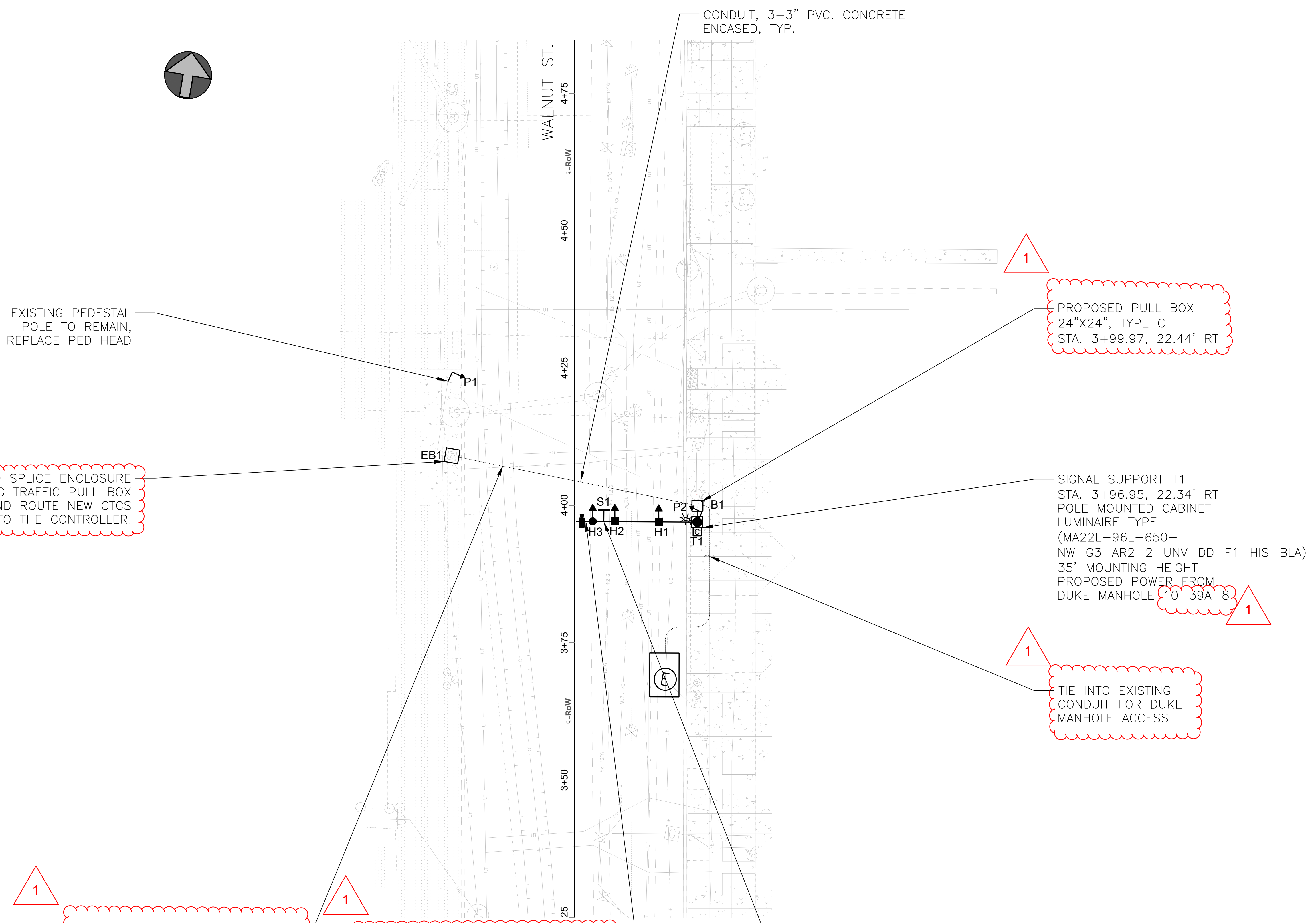
Task No.
3



PROFESSIONAL STAMP



SIGN: _____
 DATE: _____



1
 CONNECT TO SPLICE ENCLOSURE IN EXISTING TRAFFIC PULL BOX EB1 AND ROUTE NEW CTCs CABLE TO THE CONTROLLER.

1
 PROPOSED PULL BOX 24"X24", TYPE C STA. 3+99.97, 22.44' RT

1
 SIGNAL SUPPORT T1 STA. 3+96.95, 22.34' RT POLE MOUNTED CABINET LUMINAIRE TYPE (MA22L-96L-650-NW-G3-AR2-2-UNV-DD-F1-HIS-BLA) 35' MOUNTING HEIGHT PROPOSED POWER FROM DUKE MANHOLE 10-39A-8

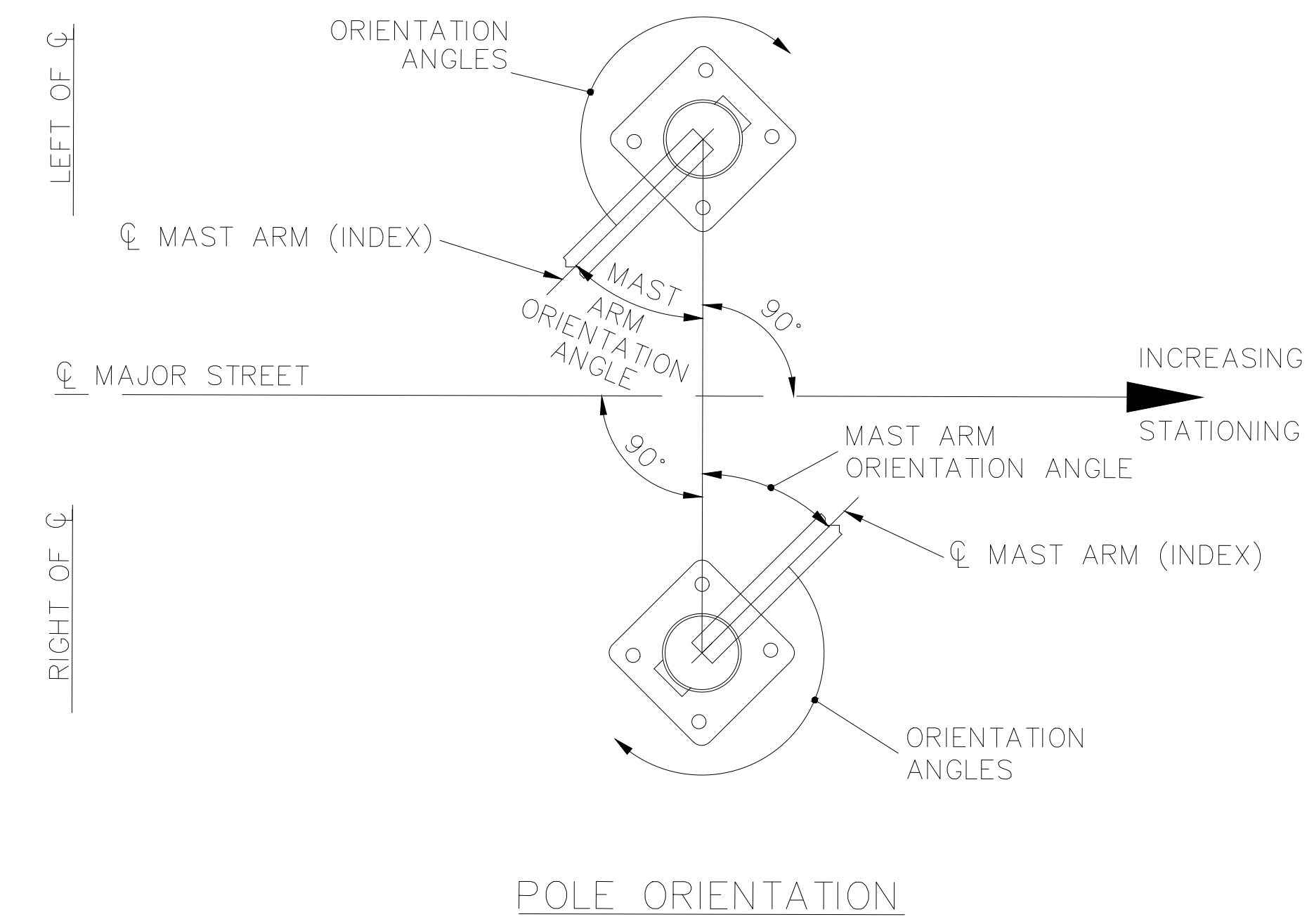
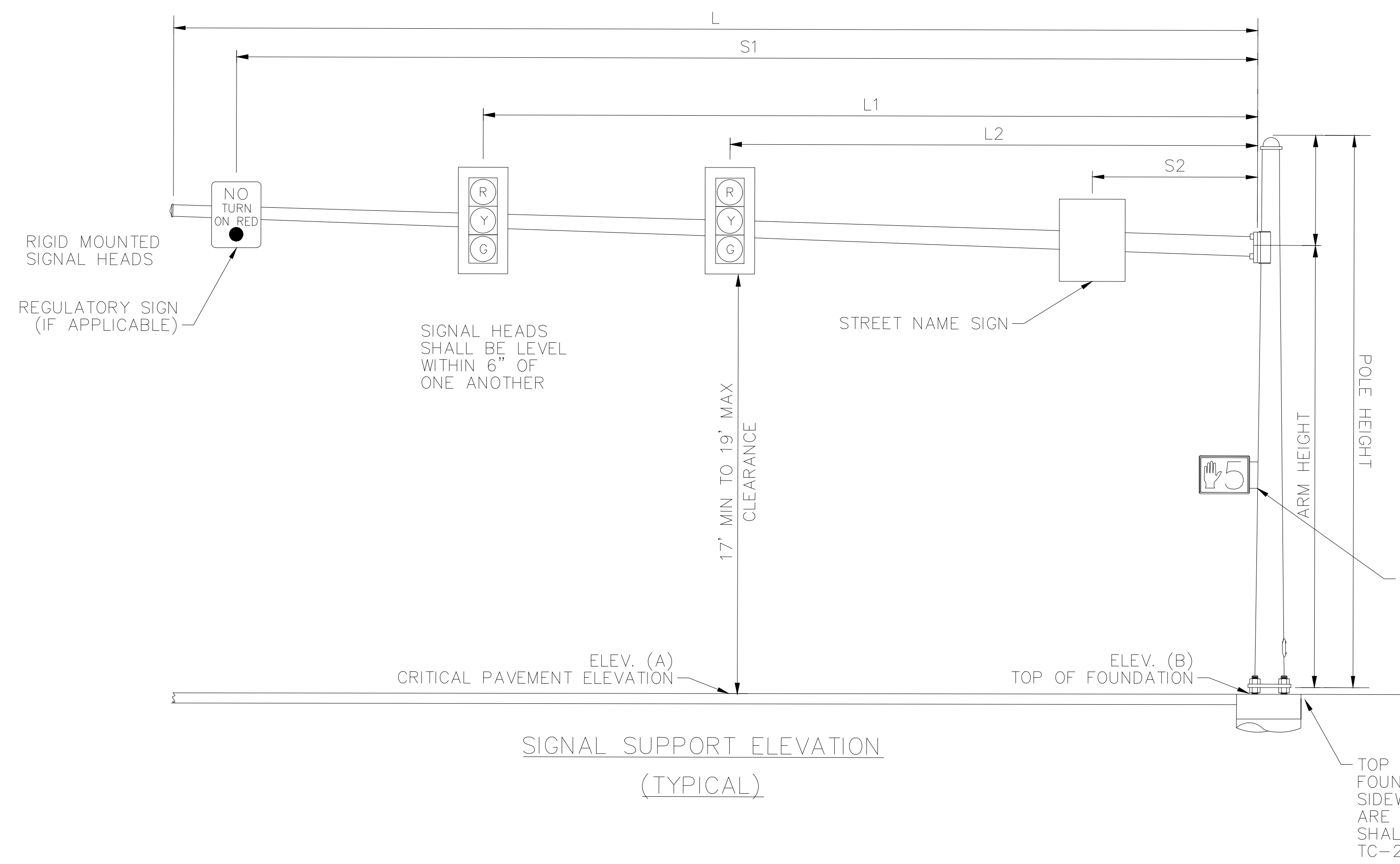
1
 TIE INTO EXISTING CONDUIT FOR DUKE MANHOLE ACCESS

1
 CONTRACTOR TO VERIFY IF EXISTING CONDUIT RUN CAN BE RE-USED UNDER STREETCAR TRACK. IF NOT RE-USABLE, 3" CONDUITS (3 EACH) JACKED OR DRILLED UNDER STREETCAR TRACK SLAB. CONTRACTOR TO OBTAIN A TRACK ACCESS PERMIT AND COORDINATE WITH DOTE PRIOR TO STARTING WORK NEAR STREETCAR TRACK.

1
 EXISTING "TRAIN MOVES" LED SIGN TO BE TRANSFERRED TO NEW SPAN. ALL OPTICOM GPS EQUIPMENT TO BE TRANSFERRED TO NEW CONTROLLER.

PROPOSED LEGEND

- TRANSIT SIGNAL HEAD
- ◀ PEDESTRIAN SIGNAL HEAD
- ◀ SIGNAL HEAD
- SIGNAL POLE W/ MAST ARM
- SIGN
- PULL BOX
- ◻ CONTROLLER CABINET
- - - CONDUIT
- ☀ STREETLIGHT
- STREETCAR VIDEO DETECTION



PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH A CLAMSHELL BRACKET PER ES-3-6 ON THE SUPPORT POLE.

TOP OF SIGNAL SUPPORT AND PEDESTAL FOUNDATIONS SHALL BE LEVEL WITH THE SIDEWALK ELEVATION WHERE ADA LANDINGS ARE ADJACENT; ELSEWHERE, FOUNDATIONS SHALL BE 2" (+/- 1") ABOVE GRADE PER TC-21.20

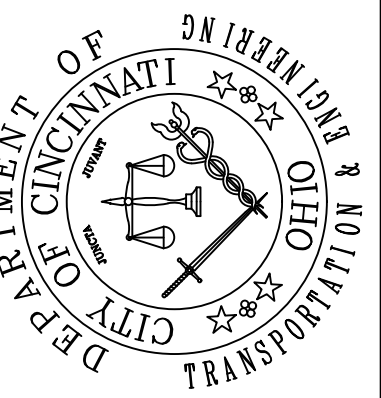
MAST ARM TABLE - WALNUT ST BETWEEN FOURTH ST AND FIFTH ST

SUPPORT NO.	ARM DESIGNATION	STATION	OFFSET	ELEVATION		DESIGN TYPE	DESIGN NO.	SIGNAL SUPPORT DETAILS								MAST ARM A INDEX LINE ANGLE	ANGLES (DEG.) FROM INDEX LINE									
				A (Pavement Elevation)	B (Top of Foundation)			POLE HEIGHT	ARM HEIGHT	L	L1	L2	L3	S1	D1		X	MAST ARM B	PEDESTRIAN SIGNAL	PEDESTRIAN PUSHBUTTON	POWER SERVICE	SIGNAL CABINET	BRACKET ARM	HANDHOLE	CABLE ENTRANCE 12" FROM TOP OF POLE EXTENSION	
				FT	FT																					FT
T1	A	3+96.95	22.34 RT	545.01	545.25	TC-81.22	2	36	20	21	18	14	6	16	20	-	0	-	105	-	-	-	270	0	180	-

PROFESSIONAL STAMP



SIGN: _____
DATE: _____



CONTRACT DRAWING
PRINTS NOT BEARING THIS STAMP WERE MADE FOR BIDS AND ARE TO BE CONSIDERED OBSOLETE FOR CONTRACT PURPOSES.

Department of Transportation and Engineering
City of Cincinnati
565 Hill Street
Cincinnati, Ohio 45202

WALNUT ST BETWEEN FOURTH ST AND FIFTH ST
MAST ARM DETAILS

Revisions

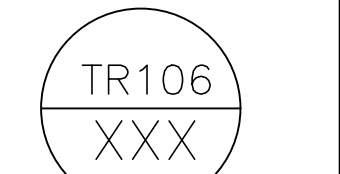
No.	Date	Description
1	10/11/24	ADDENDUM 1

Date	Drawn by	Designed by	Checked by	Reviewed by
8/19/2024	AKT	AKT	TGB	MK
8/19/2024				
8/23/2024				
8/26/2024				

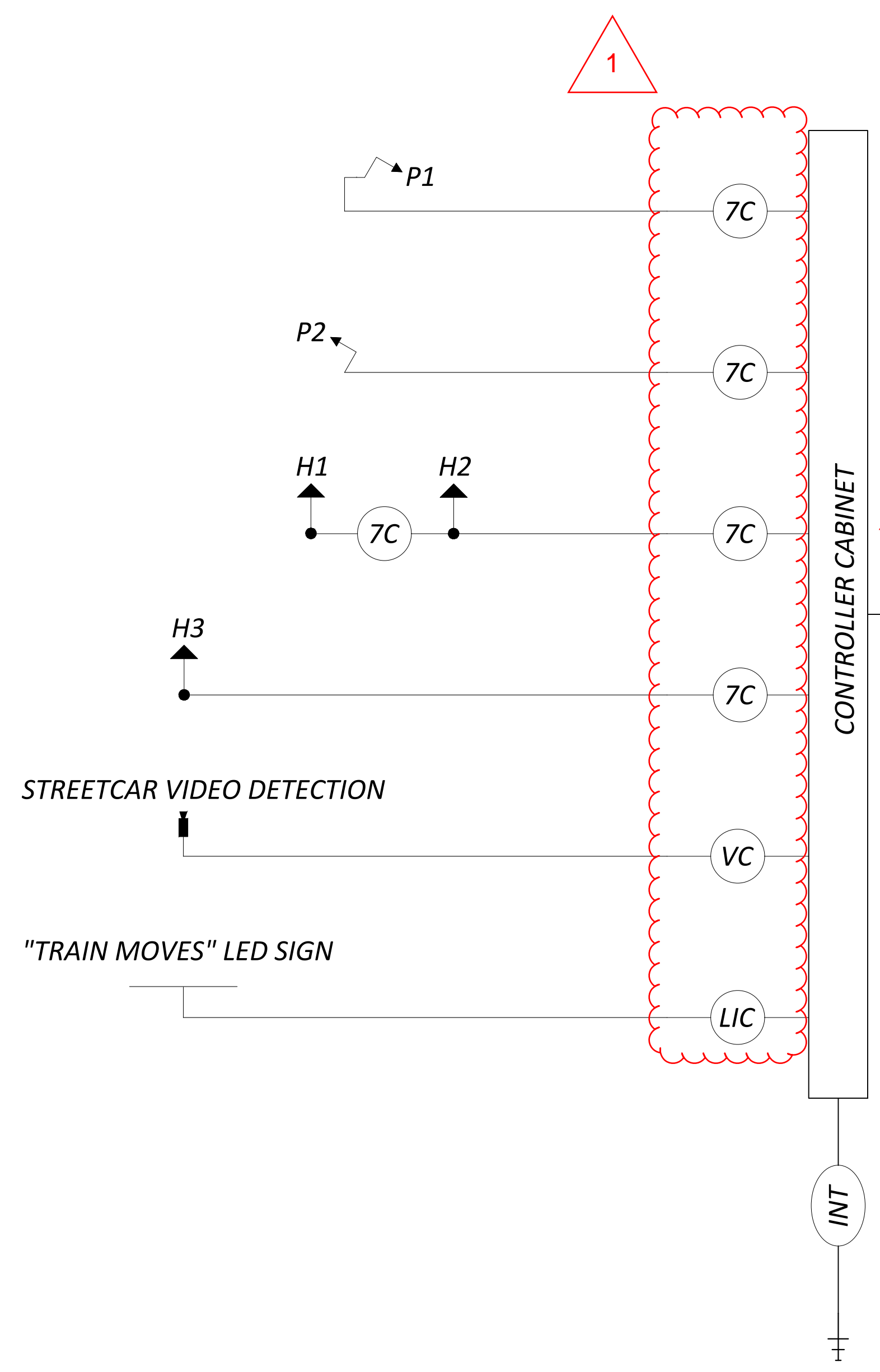
Consultant

HNTB

Project Number
86654
Task No.
3



WIRING DIAGRAM

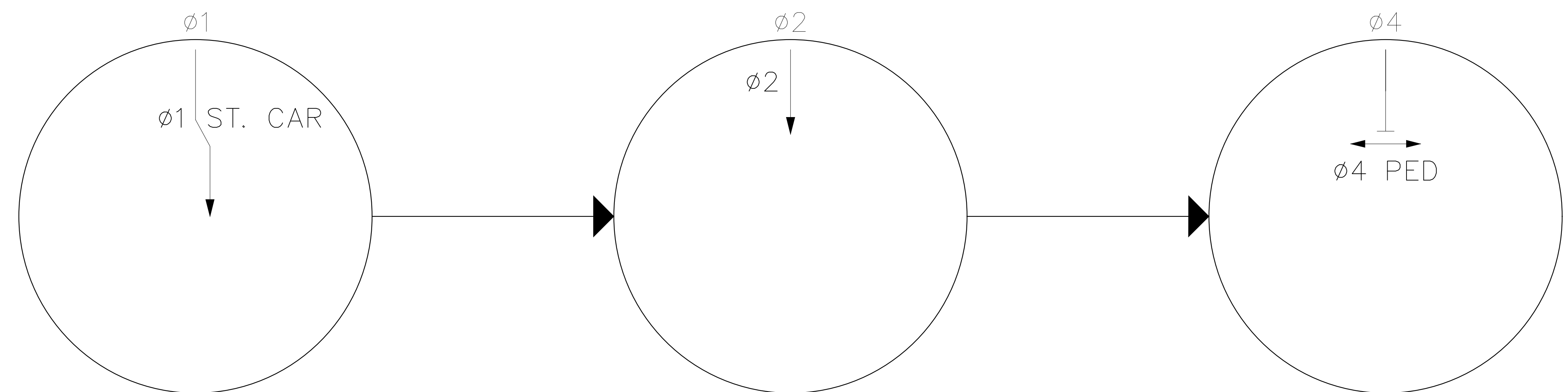


CABLE SCHEDULE

CABLE #	CONNECTING DEVICE	TYPE	CABLE ROUTING	LINK FT
1	TRAFFIC SIGNAL H1 & H2	7C#14	H2-H1-T1-CONT.	50
2	TRAFFIC SIGNAL H3	7C#14	H3-T1-CONT.	50
3	PEDESTRIAN SIGNAL P1	7C#14	P1-EB1-B1-T1-CONT.	85
4	PEDESTRIAN SIGNAL P2	7C#14	P2-T1-CONT.	20
5	STREETCAR VIDEO DETECTION	VC	SCVD-T1-CONT.	50
6	"TRAIN MOVES" LED SIGN	2C#12	S1-T1-CONT.	50
7	POWER CABLE	2 - #6	(MH 10-39A-8)-B1-T1-CONT.	70
8	INTERCONNECT CABLE	12	EB1-B1-T1-CONT.	70

FIELD WIRING HOOKUP CHART (TEM FORM 496-16)

SIGNAL HEAD	INDICATION	FIELD TERMINAL	FLASH	SIGNAL HEAD	INDICATION	FIELD TERMINAL	FLASH
H3 (SB)	R	Φ1 R	R				
	Y	Φ1 Y					
	G	Φ1 G					
H1 (SB)	R	Φ2 R	R				
	Y	Φ2 Y					
	G	Φ2 G					
H2 (SB)	R	Φ2 R	R				
	Y	Φ2 Y					
	G	Φ2 G					
PEDESTRIAN MOVEMENTS							
		P1, P2 WEST	W	Φ4 PED/LS 4P G	OUT		
			DW	Φ4 PED/LS 4P R			
OVERLAPS							
LS = LOAD SWITCH							



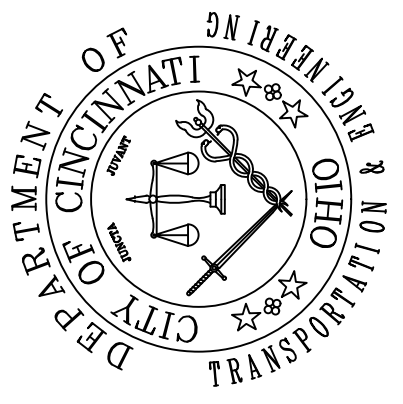
PHASING DIAGRAM



LEGEND

	TRAFFIC SIGNAL, 4 OR 5 UNIT HEAD, 12"		LUMINAIRE, CONVENTIONAL		SERVICE CABLE, 3 CONDUCTOR, NO. X AWG
	TRAFFIC SIGNAL, 2 UNIT, 3 UNIT, OR PHB HEAD 12"		2/C NO. XX AWG (LEAD-IN CABLE)		POWER CABLE, 2 CONDUCTOR, NO. X AWG
	TRAFFIC SIGNAL, 3 UNIT HEAD, 12" WITH ARROWS		VEHICLE LOOP DETECTOR		SIGNAL SUPPORT POLE NO. ___
	PEDESTRIAN SIGNAL		SIGNAL CABLE, 5 CONDUCTOR, NO. XX AWG		METER BASE
	PEDESTRIAN PUSH BUTTON		SIGNAL CABLE, 7 CONDUCTOR, NO. XX AWG		NO. X AWG DISTRIBUTION CABLE
	DILEMMA ZONE RADAR DETECTION UNIT		RADAR DETECTION CABLE		SIGNAL CABLE, 4 CONDUCTOR, NO. XX AWG
	STOP LINE RADAR DETECTION UNIT		VIDEO CAMERA CABLE		SEPARATE LIGHTING & SIGNAL DISCONNECT SWITCHES
	VIDEO DETECTION CAMERA		INTERCONNECT CABLE		FLASHER CABINET
	PTZ CAMERA		PHOTOELECTRIC CELL		UNINTERRUPTIBLE POWER SUPPLY CABLE
	ETHERNET RADIO		POWER SOURCE		HAND/ OFF/ AUTO SWITCH

NOTES:
FULL DETAILS OF LIGHTING AND SIGNAL POWER LAYOUT TO BE COORDINATED WITH DUKE ENERGY AND CINCINNATI DEPARTMENT OF TRANSPORTATION ENGINEERING.



CONTRACT DRAWING
PRINTS NOT BEARING THIS STAMP WERE MADE FOR BIDS AND ARE TO BE CONSIDERED OBSOLETE FOR CONTRACT PURPOSES.

Department of Transportation and Engineering
City of Cincinnati
City Hall, 1200 Elm Street
Cincinnati, Ohio 45202

WALNUT ST BETWEEN FOURTH ST AND FIFTH ST
WIRING DETAILS

Revisions	No.	Date	Description
1	10/11/24	ADDENDUM 1	

Drawn by	AKT	8/19/2024
Designed by	AKT	8/19/2024
Checked by	TGB	8/23/2024
Reviewed by	MK	8/26/2024

Consultant

HNTB

Project Number
86664
Task No.
3

PROFESSIONAL STAMP



SIGN: _____
DATE: _____

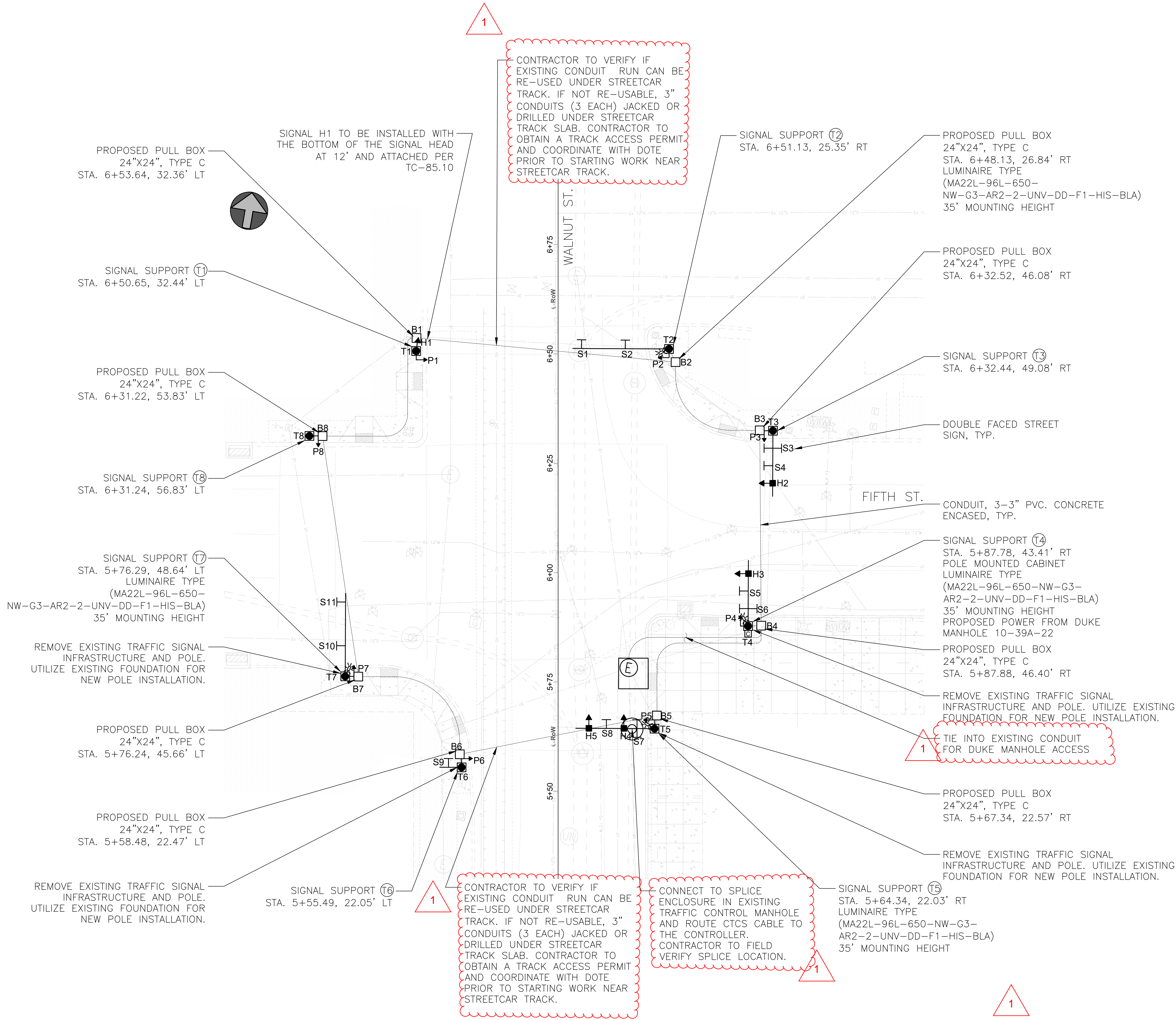
TR107
XXX

NOTE:

POLES WILL BE INSTALLED TO ACCEPT A STREETLIGHT. LIGHTING DETAILS PROVIDED BY OTHERS.

STREETLIGHTS ARE SHOWN AS ANGLED FOR VISUAL DIFFERENTIATION FROM MAST ARMS. REFER TO MAST ARM TABLES FOR ORIENTATION.

EXISTING PULL BOXES TO BE REMOVED UNLESS NEEDED TO COMPLETE LIGHTING CIRCUITS. SEE LIGHTING PLANS FOR DETAILS.



MAST ARM MOUNTED SIGNS

ONLY S2 CITY 79C S1 CITY 79BC

ONE WAY S4 CITY 92A WALNUT STREET 599-500 S3

WALNUT STREET 499-400 S6 NO TURN ON RED S5, S8 CITY 117

ONE WAY S9 CITY 92C FIFTH STREET EAST 199-100 S7

SIGNAL HEADS, 12" LED S11 CITY 79AB S10 CITY 79A

PEDESTRIAN HEADS, 12" LED H1, H2, H3, H4, H5 P1, P2, P3, P4, P5, P6, P7, P8

PROPOSED LEGEND

TRANSIT SIGNAL HEAD

PEDESTRIAN SIGNAL HEAD

SIGNAL HEAD

SIGNAL POLE W/ MAST ARM

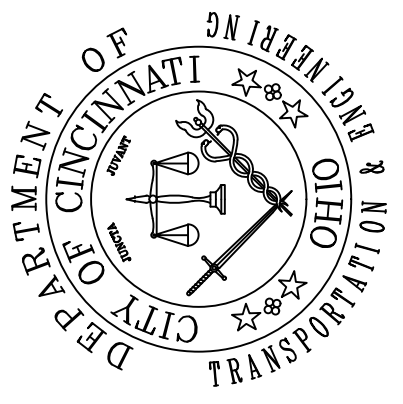
SIGN

PULL BOX

CONTROLLER CABINET

CONDUIT

STREETLIGHT



CONTRACT DRAWING
PRINTS NOT BEARING THIS STAMP WERE MADE FOR BIDS AND ARE TO BE CONSIDERED OBSOLETE FOR CONTRACT PURPOSES.

Department of Transportation and Engineering
City of Cincinnati
City Hall, 12th Street
Cincinnati, Ohio 45202

WALNUT ST AND FIFTH ST SIGNAL PLAN

Revisions

No.	Date	Description
1	10/11/24	ADDENDUM 1

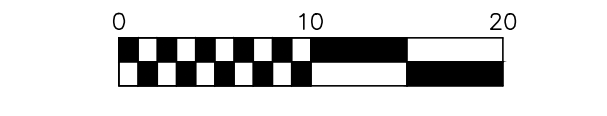
Date	Drawn by	Designed by	Checked by	Reviewed by
8/19/2024	AKT	AKT	TGB	MK
8/19/2024				
8/23/2024				
8/26/2024				

Consultant



Project Number
86664

Task No.
3

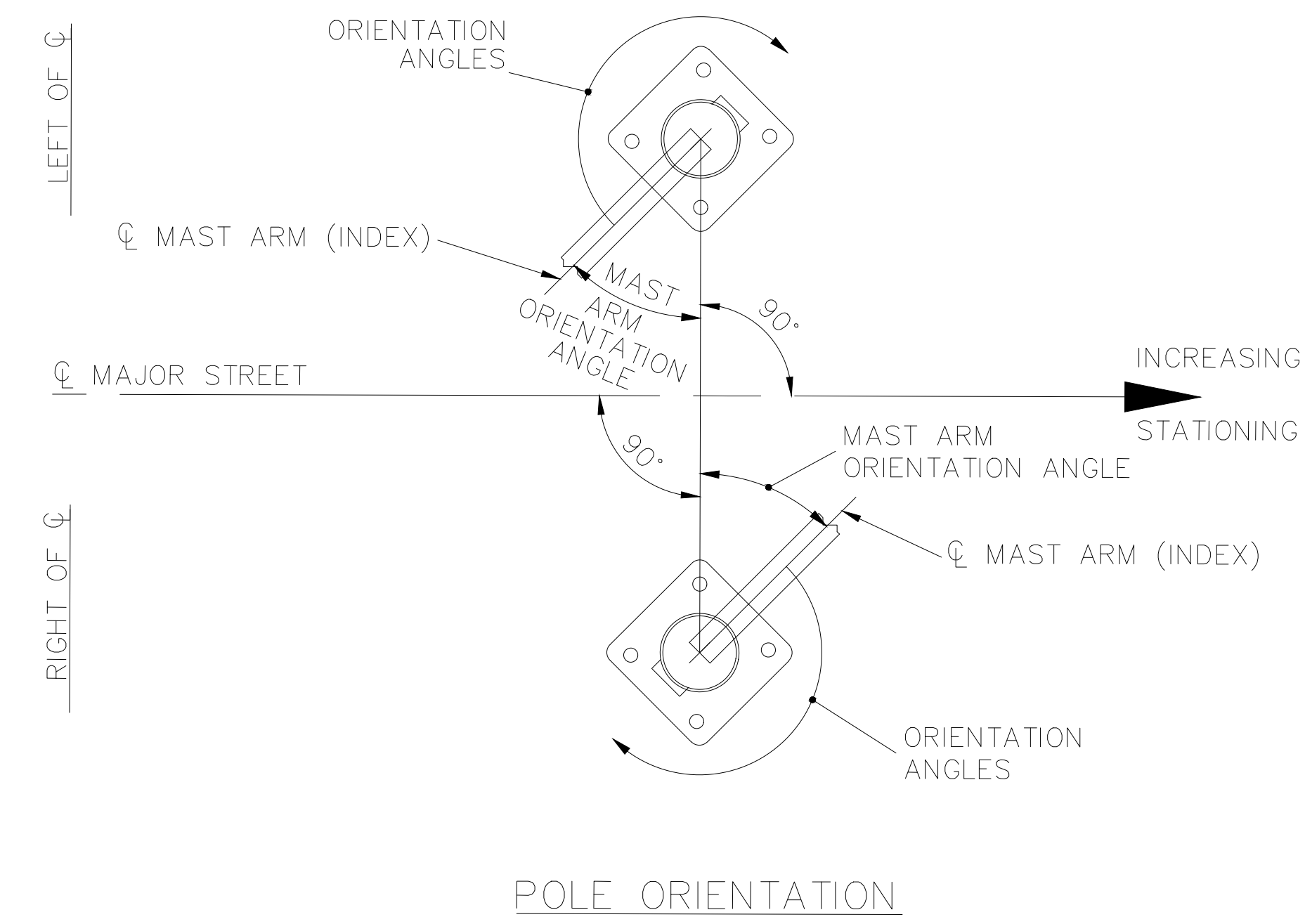
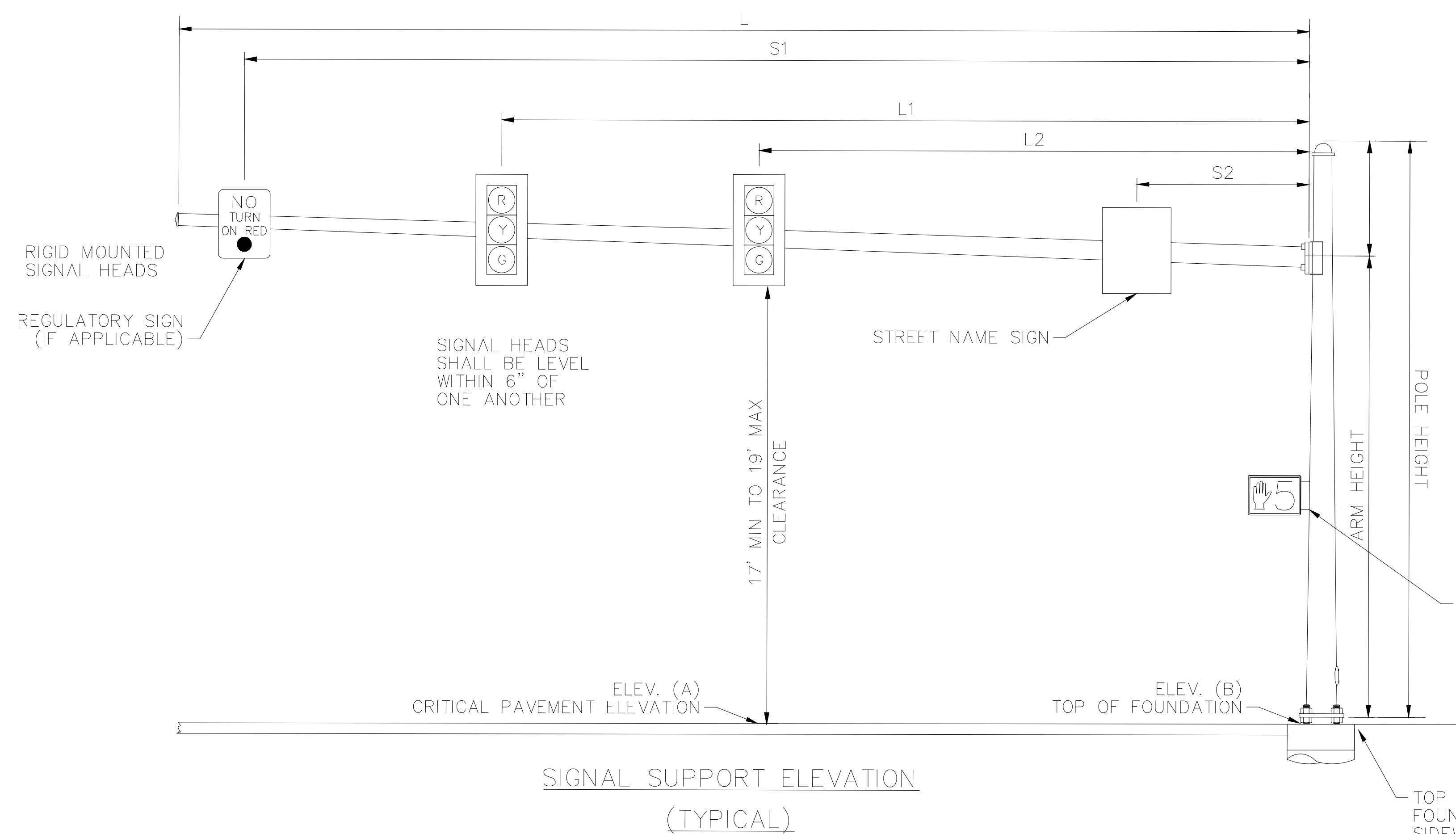


PROFESSIONAL STAMP



SIGN:
DATE:

1
Pullboxes and Signal Pole locations may have had location shifted during addendum 1. Each adjustment was not individually flagged for plan view legibility



PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH A CLAMSHELL BRACKET PER ES-3-6 ON THE SUPPORT POLE.

TOP OF SIGNAL SUPPORT AND PEDESTAL FOUNDATIONS SHALL BE LEVEL WITH THE SIDEWALK ELEVATION WHERE ADA LANDINGS ARE ADJACENT; ELSEWHERE, FOUNDATIONS SHALL BE 2" (+/- 1") ABOVE GRADE PER TC-21.20

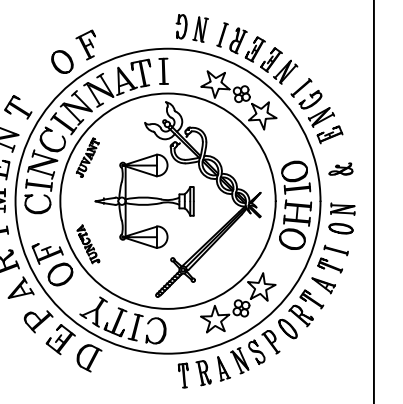
MAST ARM TABLE - WALNUT ST AND FIFTH ST

SUPPORT NO.	ARM DESIGNATION	STATION	OFFSET	ELEVATION		SIGNAL SUPPORT DETAILS											ANGLES (DEG.) FROM INDEX LINE							
				A (Pavement Elevation)	B (Top of Foundation)	DESIGN TYPE	DESIGN NO.	POLE HEIGHT	ARM HEIGHT	L	L1	L2	S1	S2	D1	X	MAST ARM A INDEX LINE ANGLE	MAST ARM B	PEDESTRIAN SIGNAL	PEDESTRIAN PUSHBUTTON	POWER SERVICE	SIGNAL CABINET	BRACKET ARM	HANDHOLE
				FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	DEG	DEG	DEG	DEG	DEG	DEG	DEG	DEG	DEG	
T1	-	6+53.64	32.36 LT	-	549.05	TC-81.22	2	26	-	-	0*	-	-	-	0	-	90	-	-	-	0	90	-	
T2	A	6+51.13	25.35 RT	549.11	549.51	TC-81.22	2	36	20	21	-	-	19	9	0	-	270	-	-	-	0	90	-	
T3	A	6+32.44	49.08 RT	549.28	549.79	TC-81.22	2	26	20	14	11	-	7	3	270	-	90	-	-	-	0	270	-	
T4	A	5+87.78	43.41 RT	548.76	548.76	TC-81.22	2	36	20	14	11	-	7	3	90	-	270	-	-	180	0	270	-	
T5	A	5+64.34	22.03 RT	548.14	548.20	TC-81.22	2	36	20	17	14	6	10	3	0	-	90	-	-	-	0	270	-	
T6	A	5+55.49	22.05 LT	548.14	548.45	TC-81.22	2	26	20	4	-	-	2	-	180	-	90	-	-	-	0	270	-	
T7	A	5+76.29	48.64 LT	548.28	548.54	TC-81.22	2	36	20	18	-	-	16	6	270	-	90	-	-	-	0	270	-	
T8	-	6+31.24	56.83 LT	-	548.78	TC-81.22	2	26	-	-	-	-	-	-	0	-	0	-	-	-	0	180	-	

NOTE: SIGNAL H1 TO BE INSTALLED 0 DEGREES FROM INDEX LINE FOR POLE T1.
0* - DENOTES SIGNAL HEADS ATTACHED TO POLE, MOUNTED AT 12'

PROFESSIONAL STAMP

SIGN: _____
DATE: _____



CONTRACT DRAWING
PRINTS NOT BEARING THIS STAMP WERE MADE PRIOR TO ADVERTISING AND ARE CONSIDERED OBSOLETE FOR CONTRACT PURPOSES.

Department of Transportation and Engineering
City of Cincinnati
City Hall
801 Plum Street
Cincinnati, Ohio 45202

WALNUT ST AND FIFTH ST
MAST ARM DETAILS

Revisions

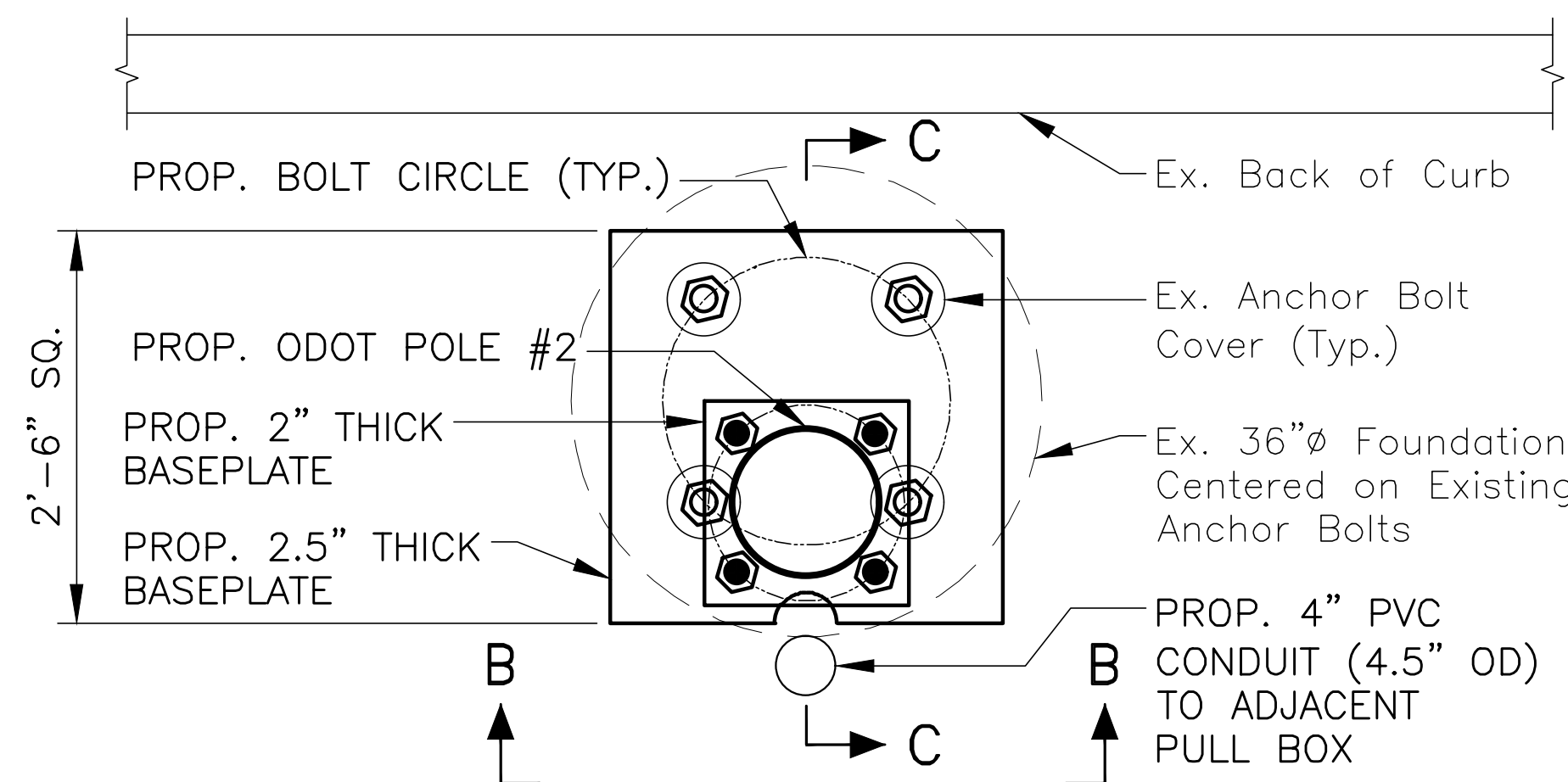
Date	No.	Description
8/19/2024	1	ADDENDUM 1
8/19/2024		
8/23/2024		
8/26/2024		

Drawn by: AKT
Designed by: AKT
Checked by: TGB
Reviewed by: MK

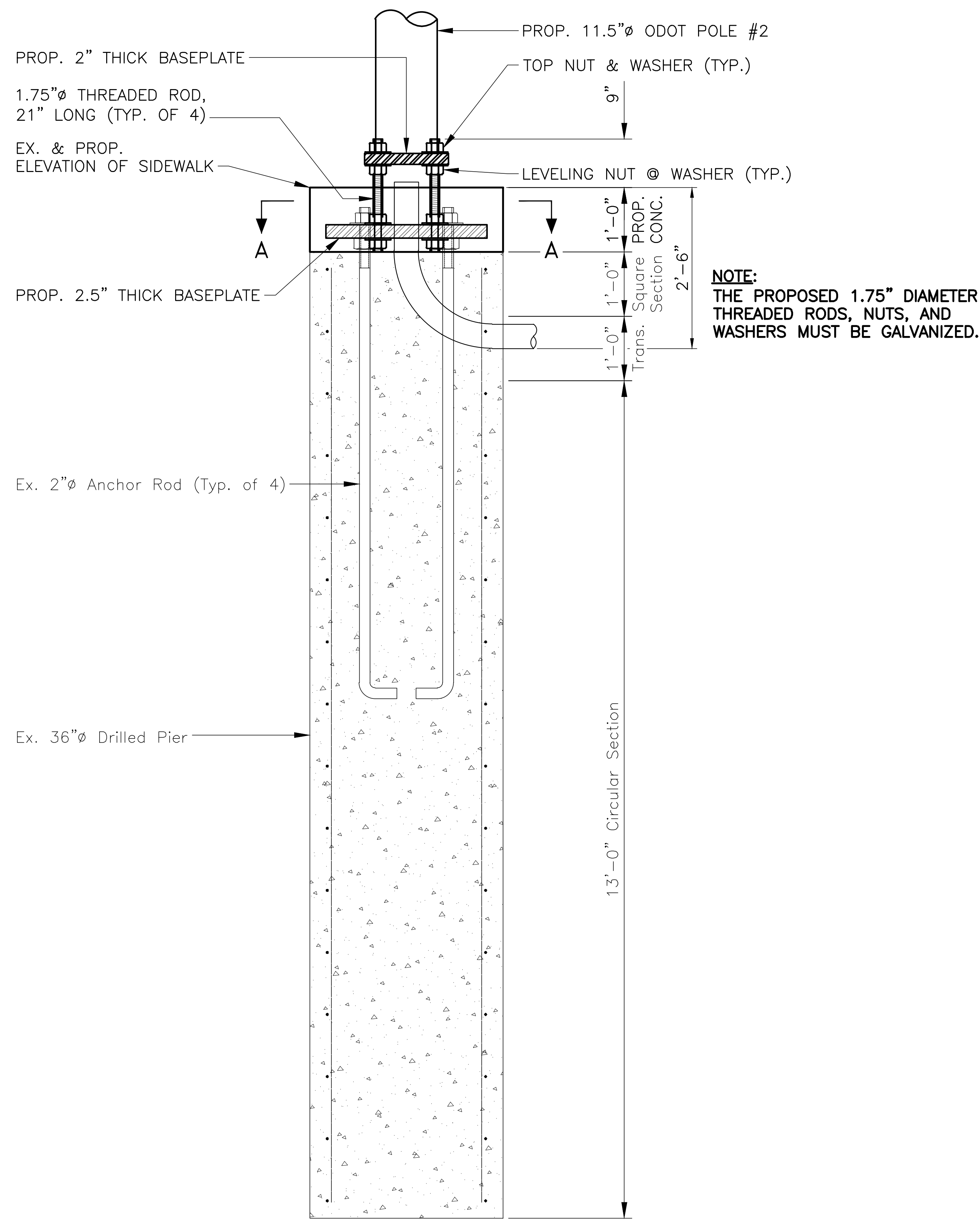
Consultant

Project Number: 86664
Task No.: 3

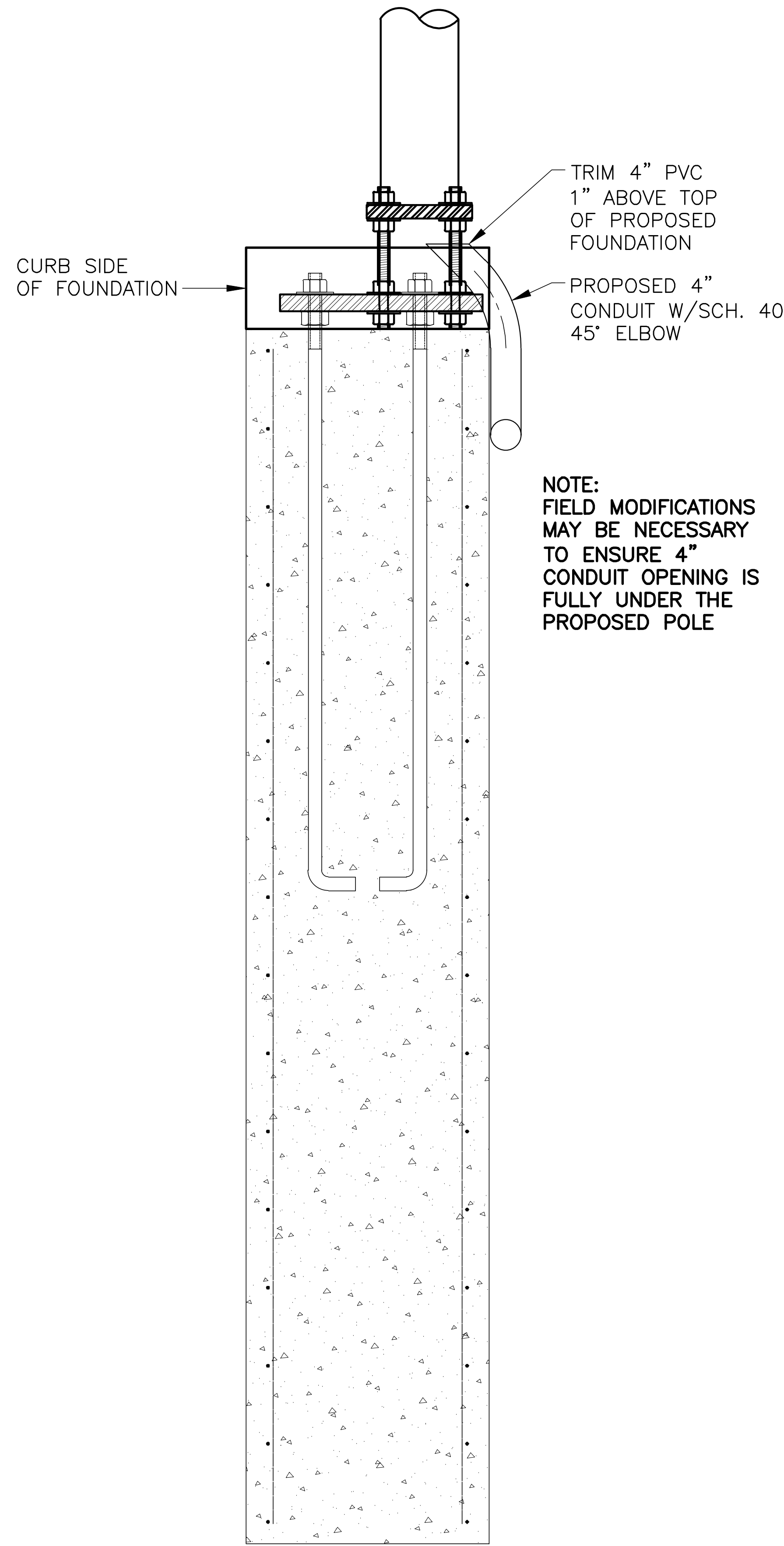
TR109
XXX



PROP. REPLACEMENT BASEPLATE FOR ODOT POLE #2 SECTION A-A



SECTION B-B MPL POLE FOUNDATION WITH ODOT DESIGN 2 POLE RETROFIT



SECTION C-C

ODOT Design 2 Notes:

Remove the existing poles and excavate the 2" thick baseplat
Carefully remove the nut covers and nuts and save them for reuse. Remove the 2" thick baseplate and pole, deliver existin 2" thick baseplate and pole to traffic services to store for future use.

Install the new 2.5" thick baseplate with the pre-installed 1.7 diameter anchor rods attached. Anchor rods must extend the indicated length toward the top of the plate.

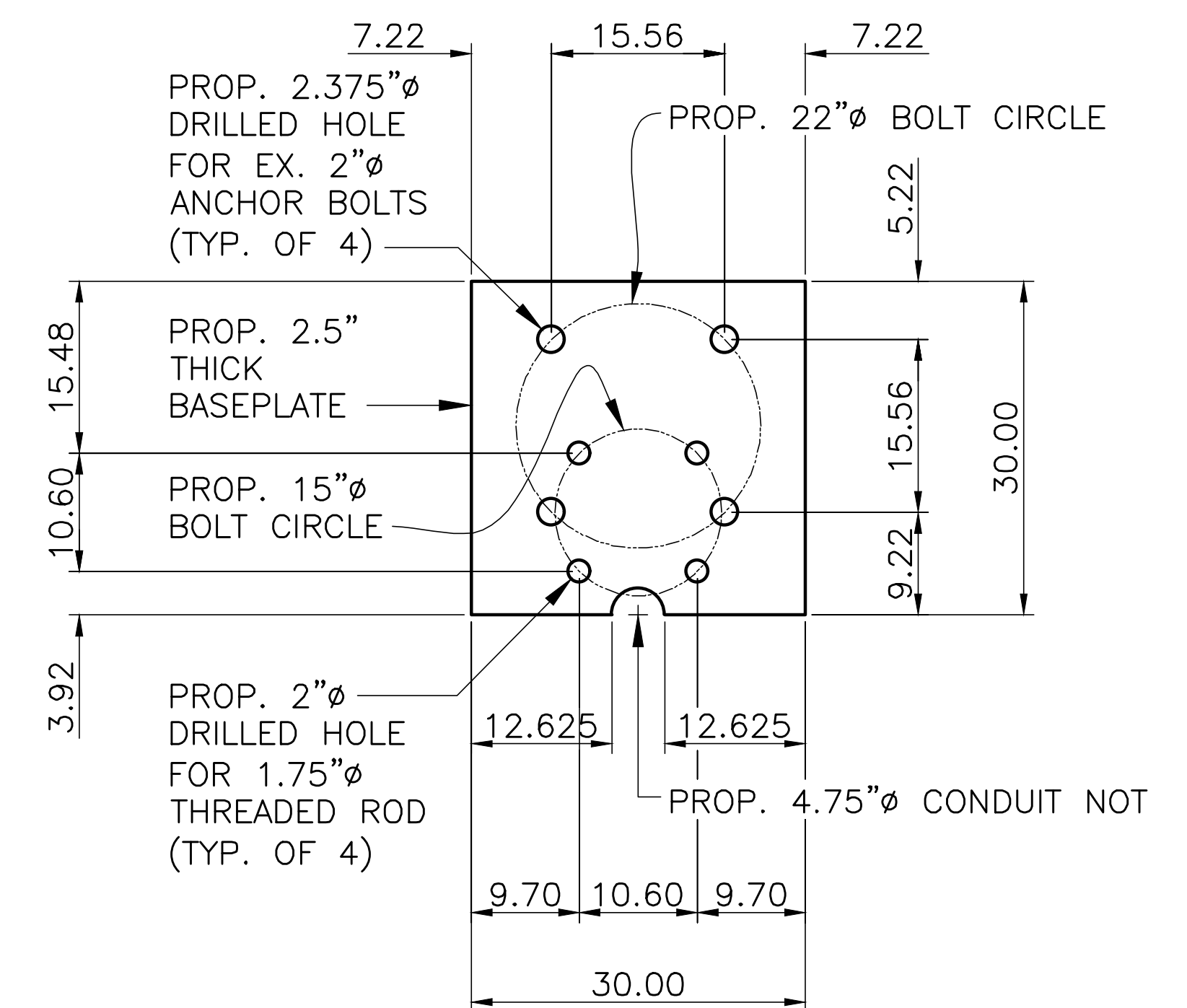
In the field, set the 2.5" thick plate over the existing bolts. Check tightness of the new nuts attaching the replacement rods.

Tighten the existing nuts (new replacement nuts are acceptab of the 2" diameter foundation bolts. Reset the existing bolt covers after re-greasing them and weld as indicated in the City Standard Drawings ES-8-15 to the 2.5" thick plate.

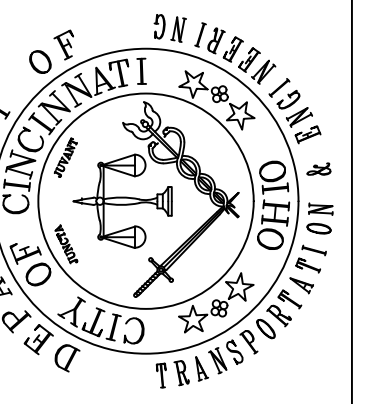
Install template of base plate for the ODOT Design #2 poles, run electrical conduits per details on the plans.

Grout and pour sidewalk as indicated in the City Standard Drawings ES-8-18. Replace baseplate template with final pole and connect electrical wires.

NOTE: FIELD MODIFICATIONS MAY BE NECESSARY TO ENSURE 4" CONDUIT OPENING IS FULLY UNDER THE PROPOSED POLE



PROP. 2.5" THICK BASEPLATE TEMPLATE



CONTRACT DRAWING
PRINTS NOT BEARING THIS STAMP WERE MADE PRIOR TO ADVERTISING AND ARE CONSIDERED OBSOLETE FOR CONTRACT PURPOSES.

Department of Transportation and Engineering
City of Cincinnati
801 Plum Street
Cincinnati, Ohio 45202

ODOT POLE DESIGN 2 RETROFIT DETAILS

Revisions	No.	Date	Description
1	10/11/24	ADDENDUM 1	

Date	Drawn by	Designed by	Checked by	Reviewed by
09/2024	FES	RNR	BML	A/C
09/2024				
09/2024				
09/2024				

PROFESSIONAL STAMP

Project Number
86664
Task No.
3

SIGN:
DATE:

TR111
XXX

DOWNTOWN STREETSCAPE - SIDEWALK IMPROVEMENTS FOURTH ST. - WALNUT ST. - FIFTH ST.

PRELIMINARY
NOT FOR
CONSTRUCTION

PROJECT INFORMATION

1. PROJECT DESCRIPTION: THE PROJECT IS STRUCTURAL REPAIRS AND MODIFICATIONS TO EXISTING BASEMENT AND SIDEWALK LEVEL, RIGHT-OF-WAY ENCROACHMENTS AS PART OF A LARGER DOWNTOWN STREETSCAPE IMPROVEMENT PROJECT ON RACE ST., 4TH ST., 5TH ST., 6TH ST., AND WALNUT ST. IN THE CENTRAL BUSINESS DISTRICT IN DOWNTOWN CINCINNATI.

STRUCTURAL MODIFICATIONS TO RIGHT-OF-WAY SIDEWALK ENCROACHMENTS IN THE ATTACHED DRAWINGS FALL INTO THREE CATEGORIES:

1. INFILL OF EXISTING BASEMENT ENCROACHMENT AND NEW SLAB-ON-GRADE SIDEWALK TOPPING SLAB. (TOPPING SLAB UNDER SEPARATE PERMIT.)
2. NEW STRUCTURAL SLAB WITH NEW SIDEWALK TOPPING SLAB. (TOPPING SLAB UNDER SEPARATE PERMIT.)
3. EXISTING TO REMAIN STRUCTURAL SLAB WITH NEW SIDEWALK TOPPING SLAB. (TOPPING SLAB UNDER SEPARATE PERMIT.)

ALL WORK IN THE R.O.W. SHALL BE IN ACCORDANCE WITH DOTE STANDARDS, INCLUDING BUT NOT LIMITED TO: STRUCTURAL DESIGN AND FIRE RATINGS.

CIVIL DRAWINGS FOR THE STREETSCAPE AND SIDEWALK IMPROVEMENTS ARE PART OF A SEPARATE DRAWING PACKAGE. THE CONTRACTOR IS TO COORDINATE WITH OWNER AND ARCHITECT TO OBTAIN THE CIVIL DRAWINGS ASSOCIATED WITH THE ATTACHED STRUCTURAL DRAWINGS.

2. GOVERNING CODES AND STANDARDS: 2024 OHIO BUILDING CODE
2024 OHIO EXISTING BUILDING CODE
CINCINNATI BUILDING CODE
CITY OF CINCINNATI, DOTE, RIGHT OF WAY PERMITS AND STREET RESTORATION MANUAL, 2022.

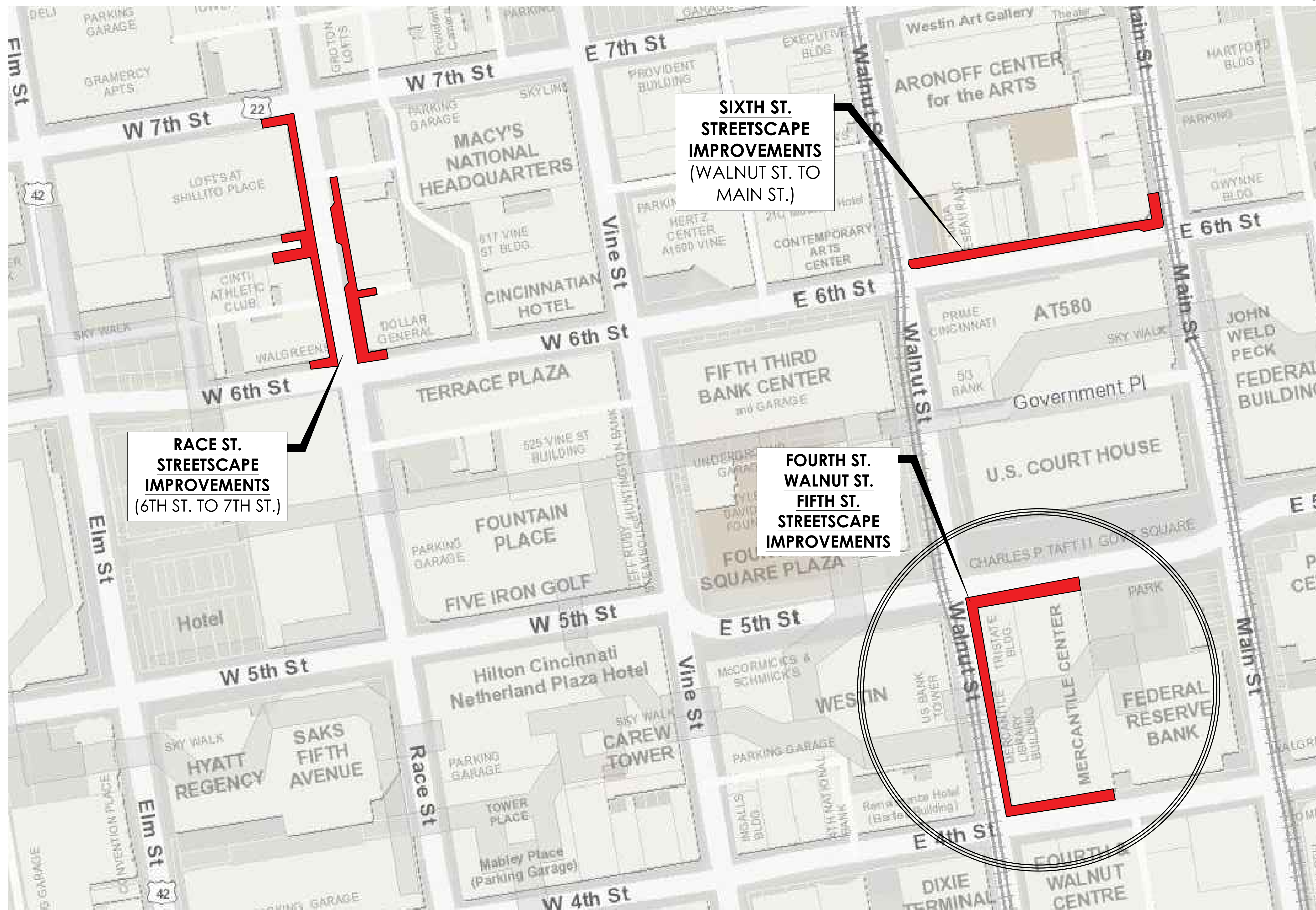
3. BUILDING CODE COMPLIANCE METHOD: BUILDING CODE COMPLIANCE METHOD:
BUILDING CODE COMPLIANCE FOR THE PROPOSED ALTERATION IS ANALYZED IN ACCORDANCE WITH 2024 OBC SECTION 901.3.1, THE PRESCRIPTIVE COMPLIANCE METHOD, AND OBC SECTION 903.0 ALTERATIONS.

PER OBC 903.1, PORTIONS OF THE BUILDING AND BUILDING SYSTEMS WHICH ARE NOT ALTERED AND ARE NOT AFFECTED BY THE ALTERATION ARE NOT REQUIRED TO COMPLY WITH THE CODE REQUIREMENTS FOR NEW CONSTRUCTION.

PER OBC 903.1, THE ALTERATIONS WILL BE SUCH THAT THE EXISTING BUILDING IS NO LESS COMPLYING WITH THE PROVISIONS OF THE CODE THAN THE EXISTING BUILDING WAS PRIOR TO THE ALTERATION.

BUILDING PERMIT APPLICATION:
414 WALNUT STREET

LOCATION PLAN (NOT TO SCALE)



DRAWING INDEX

ARCHITECTURAL
A0.0 COVER SHEET, DRAWING INDEX, & PROJECT INFORMATION
A0.1 BASEMENT ENCROACHMENT FLOOR PLANS
A0.2 SPLIT SLAB DETAILS

STRUCTURAL
S001 GENERAL STRUCTURAL NOTES
S110 FRAMING PLANS
S310 FOUNDATION SECTIONS

GENERAL PROJECT NOTES

1. THE GENERAL CONTRACTOR (G.C.) SHALL VERIFY ALL INFORMATION IN THESE DRAWINGS AND SHALL REPORT ANY ERRORS, OMISSIONS, OR DISCREPANCIES TO THE ARCHITECT BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DEPARTURES FROM THESE PLANS NOT APPROVED IN WRITING BY THE ARCHITECT.
2. THE ARCHITECT HAS MADE NO INVESTIGATION TO DETERMINE IF ASBESTOS OR ANY OTHER HAZARDOUS MATERIAL IS PRESENT IN EXISTING CONSTRUCTION AND ASSUMES NO RESPONSIBILITY WITH REGARD TO ASBESTOS OR ANY OTHER HAZARDOUS MATERIAL.
3. THE G.C. IS TO REVIEW THESE DRAWINGS AND VISIT THE SITE BEFORE COMMENCING THE PROJECT IN ORDER TO FAMILIARIZE HIM OR HERSELF WITH THE PROPOSED WORK.
4. THE G.C. IS TO REMOVE ONLY THOSE ELEMENTS SLATED FOR DEMOLITION EITHER GRAPHICALLY OR BY NOTATION, AND OTHER ELEMENTS ARE TO BE REMOVED, IF THE CONTRACTOR QUESTIONS THE REMOVAL OF AN ELEMENT, OR IF THERE IS A CONFLICT BETWEEN THE NOTES AND THE GRAPHICS, CONTRACTOR IS TO ASK THE ARCHITECT IMMEDIATELY.
5. THE G.C. IS TO PROTECT AND SAVE BUILDING ELEMENTS CONNECTED TO, OR ADJ. TO, THOSE ELEMENTS WHICH ARE SLATED TO BE REMOVED.
6. THE G.C. SHALL NOT REMOVE ANY ELEMENTS WHICH MAY CAUSE THE STRUCTURE TO BECOME UNSTABLE, OR THAT WILL POSE A RISK TO PERSONS OR PROPERTY, EVEN IF INDICATED IN PLANS. IF ANY ELEMENTS BECOME UNSTABLE, CONTRACTOR IS TO STABILIZE AND SHALL INFORM THE ARCHITECT/OWNER IMMEDIATELY.
7. IT IS UP TO THE G.C. TO CONTINUALLY EVALUATE THE STRUCTURAL STABILITY OF THE BUILDING AND THE INTEGRITY OF ELEMENTS BOTH STRUCTURAL AND NONSTRUCTURAL THAT ARE SHOWN TO REMAIN. IF THE CONTRACTOR DETERMINES THAT SOME OF THESE ELEMENTS SHOULD BE REMOVED, HE/SHE MUST FIRST RECEIVE PERMISSION FROM THE ARCHITECT/OWNER, OR MAY BE FINANCIALLY RESPONSIBLE FOR THE REPLACEMENT OF THESE ELEMENTS.
8. THE G.C. IS RESPONSIBLE FOR THE REMOVAL OF ALL TRASH AND DEBRIS THROUGHOUT THE WORK. ALL DEBRIS MUST BE REMOVED AND DISCARDED IN A SAFE AND LEGAL MANNER.
9. THE G.C. IS RESPONSIBLE FOR THE PROCUREMENT OF ANY ADDITIONAL MATERIALS, EQUIPMENT, AND PERMITS AND FOR ANY FEES, PENALTIES OR RENTAL COSTS ASSOCIATED WITH THE DEMOLITION WORK.
10. THE G.C. SHALL IDENTIFY, LOCATE AND PROTECT ANY ABOVE AND BELOW GROUND UTILITIES ON SITE DURING THE COURSE OF THE DEMOLITION WORK. UPON COMPLETION, CONTRACTOR IS TO LEAVE ALL UTILITY LINES AND CONNECTIONS IN A STABLE, PROTECTED STATE.
11. THE G.C. IS TO PROTECT THE BUILDING FROM THE ELEMENTS, THEFT AND VANDALISM AT ALL TIMES DURING WORK.
12. SEPARATE PERMITS ARE REQUIRED FOR ALL MEP/FP WORK AND FROM DEPARTMENT OF TRANSPORTATION & ENGINEERING AS APPLICABLE.

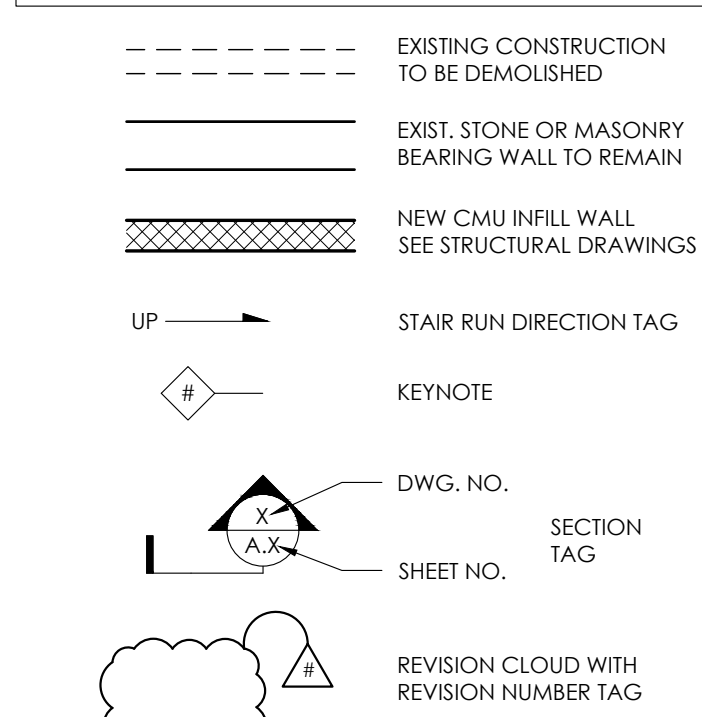
BID ALTERNATES

- THE FOLLOWING BID ALTERNATES ARE TO BE BROKEN DOWN SEPARATELY IN BIDS, BY BUILDING ADDRESS:
1. **CMU INFILL WALLS & WALL WATERPROOFING**
614 RACE ST., 616 RACE ST., & 414 WALNUT ST.
PROVIDE A SEPARATE LINE ITEM PRICE FOR THE CMU INFILL WALLS AND WALL WATERPROOFING AT EXISTING ENCROACHMENTS INDICATED TO BE INFILLED. (SEE PLANS AND DETAILS FOR SCOPE OF WORK)
 2. **UTILITY, MEP, & FIRE PROTECTION DESIGN-BUILD MODIFICATIONS (SEPARATE PERMITS BY CONTRACTOR)**
617 RACE ST., 630 RACE ST., 632 RACE ST.
PROVIDE AN ALTERNATE PRICE FOR DESIGN-BUILD MODIFICATIONS TO EXISTING MEP/FP AND UTILITY MODIFICATIONS IN EXISTING ENCROACHMENTS WHICH ARE INDICATED TO HAVE NEW STRUCTURAL SIDEWALK SLABS. EXISTING MEP/FP ELEMENTS MAY NEED TO BE PERMANENTLY OR TEMPORARILY RELOCATED IN ORDER TO COMPLETE THE NEW STRUCTURAL WORK. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN FIELD PRIOR TO SUBMITTING BIDS TO DETERMINE SCOPE OF DESIGN-BUILD MEP/FP WORK. MEP/FP WORK IS TO BE PERMITTED SEPARATELY BY CONTRACTOR.
 3. **432 WALNUT ST. STRUCTURAL SPLIT-SLAB ASSEMBLY**
WALNUT ST. & 6TH ST. (SEPARATE PERMIT, PREVIOUSLY PERMITTED PLAN NO. 20230124)
PROVIDE AN ALTERNATE PRICE TO PROVIDE THE NEW SPLIT-SLAB SIDEWALK ASSEMBLY SHOWN IN THE 432 WALNUT ST. BUILDING RENOVATION DRAWINGS. SEE ATTACHED BIDDING REFERENCE DOCUMENTS FOR SCOPE OF WORK. STRUCTURAL SIDEWALK SLABS FOR THIS BUILDING ARE NOT INCLUDED IN BASE BID, AND HAVE BEEN PERMITTED SEPARATELY AS PART OF THE OVERALL BUILDING RENOVATION.

ABBREVIATIONS

ADJ.	ADJUSTABLE	LB	POUND
A.F.F.	ABOVE FINISHED FLOOR	LINEAR FEET	
ALT.	ALTERNATE	MAX.	MAXIMUM
ALUM.	ALUMINUM	MCH.	MECHANICAL
APPX.	APPROXIMATE	MFR.	MANUFACTURER
ARCH.	ARCHITECTURAL	MIN.	MINUTE
AVG.	AVERAGE	MRL.	MINIMUM
B/	BOTTOM OF	M.O.	MASONRY OPENING
BD.	BEAM	M.R.	MOISTURE RESISTANT
BLDG.	BUILDING	MW	MICROWAVE
BLKG.	BLOCKING	N.	NORTH
BSMT.	BASEMENT	NO.	NUMBER
CAB.	CABINET	N.O.M.	NONHOMAL
CLOS.	CLOSET	N.T.S.	NOT TO SCALE
CMU	CONCRETE MASONRY UNIT	O.C.	ON CENTER
COL.	COLUmn	O.D.	OUTSIDE DIAMETER
CONC.	CONCRETE	OPG.	OPENING
CONT.	CONTINUOUS	PTD.	PAINTED
CPT.	CASEMENT	PSF	POUNDS PER SQUARE FOOT
CSMT.	CUBIC FEET	PSI	POUNDS PER SQUARE INCH
C.F.	DEEP OR DEPTH	PT.	PRESSURE TREATED
D	DIA.METER	R	RADIUS
DM	DIMENSION	RAD.	REFLECTED CEILING PLAN
DEM	DEMOLISH OR DEMOLITION	REF.	REFERENCED
D.H.	DOUBLE HUNG	REQ'D.	REQUIRED
DK.	DOOR	REV.	REVISION OR REVISION
DW.	DISHWASHER	R.O.	ROUGH OPENING
DWG.	DRAWING	RM.	ROOM
E.A.	EACH	SECT.	SECTION
E.L.C.	ELECTRIC OR ELECTRICAL	SECS	WRITTEN SPECIFICATIONS
ELEV.	ELEVATION	S	SOUTH
EQ.	EQUAL	SF	SQUARE FEET
EQUIP.	EQUIPMENT	SIM.	SIMILAR
EXST.	EXISTING	STD.	STANDARD
F.E.	FIRE EXTINGUISHER	STL.	STEEL
FDN.	FOUNDATION	STSL	STAINLESS STEEL
FRSHD.	FRESH	SQA.	SQUARE
FLG.	FLOORING	T	TREAD
F.R.	FLOOR	TOP OF	
FRMG.	FRAMING	T.B.D.	TO BE DETERMINED
FT.	FOOT OR FEET	TEL.	TELEPHONE
FIG.	GAUGE	T.M.E.	TO MATCH EXISTING
GA.	GALVANIZED	TV.	TYPICAL
GALV.	GALVANIZED	UNO.	UNLESS NOTED OTHERWISE
G.C.	GENERAL CONTRACTOR	VERT.	VERTICAL
CPT.	CYPRIUM	V.F.	VERIFY IN FIELD
H	HIGH OR HEIGHT	W.	WEST, WIDE OR WIDTH
HR	HOUR	W.	WITH
HW.	HARDWOOD	W/D	WASHER & DRYER
HM	HOLLOW METAL	WD.	WOOD
HVAC	HOLLOW METAL HEATING, VENTILATION, & AIR CONDITIONING	WH	WINDOW
COND.	CONDITIONING	WH	WATER HEATER
HORIZ.	HORIZONTAL	W.P.	WATERPROOFING
I.D.	INSIDE DIAMETER	X	BY
IN	INCHES	Y	YARD
INSUL.	INSULATION OR INSULATED	YD.	YARD
	LONG OR LENGTH		

GRAPHIC SYMBOL LEGEND



DOWNTOWN STREETSCAPE IMPROVEMENTS
FOURTH ST. - WALNUT ST. - FIFTH ST.



DATE: PERMIT/BID
07.10.2024
PERMIT REVISION 1
10.07.2024

COVER SHEET,
DRAWING INDEX,
PROJECT INFORMATION,
DETAILS

A0.0

FLOOR PLAN GRAPHIC KEY

- EXISTING MASONRY WALL
- NEW CMU INFILL WALL - SEE STRUCTURAL DRAWINGS
- EXISTING WALLS TO BE REMOVED (414 WALNUT ST., MERCANTILE BUILDING)

FLOOR PLAN TAG INDICATES SCOPE OF WORK FOR BUILDING PERMIT APPLICATION FOR EACH ADDRESS.

NOTE
ALL OTHER WORK NOTED ON PLANS OUTSIDE OF "SCOPE OF WORK" AREA IS SHOWN FOR REFERENCE ONLY FOR COORDINATION WITH OVERALL STREETScape AND SIDEWALK REPLACEMENT PROJECT. CONTRACTOR SHALL COORDINATE WITH OWNER TO OBTAIN THE LATEST CIVIL DRAWINGS.

FLOOR PLAN GENERAL NOTES

1. DO NOT SCALE DRAWINGS. REFER TO DIMENSIONS AND NOTES.
2. SEE STRUCTURAL DRAWINGS FOR STRUCTURAL WORK.
3. DASHED ITEMS TO BE REMOVED, WHERE NOTED ON PLAN FOR DEMOLITION WITH KEYNOTE. CONSULT ARCHITECT IF INTENT IS UNCLEAR.
4. LOAD-BEARING WALLS, COLUMNS, BEAMS, AND STRUCTURAL ELEMENTS TO REMAIN, U.N.O.
5. COORDINATE SLAB ELEVATIONS WITH CIVIL DRAWINGS. COORDINATE WITH OWNER AND ARCHITECT TO OBTAIN THE FINAL CIVIL DRAWINGS.
6. DIMENSIONS ARE TO NEW FINISH FACE OR EXISTING FINISH, U.N.O., NEW MASONRY WALLS AND MASONRY OPENINGS ARE DIMENSIONED TO MASONRY.
7. PATCH AND REPAIR ALL SURFACES TO MATCH EXISTING ADJACENT CONSTRUCTION AT AREAS OF DEMOLITION AND NEW CONSTRUCTION.
8. WORK IN RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH D.O.T.E. STANDARDS.
9. **3-HOUR FIRE-RATING:** NEW EXPOSED STRUCTURAL STEEL BENEATH SIDEWALK SHALL BE 3-HOUR FIRE RATED PER DOTE STANDARDS. SEE DETAIL ON SHEET A0.2 (RACE ST.).
10. **UTILITIES AND MEP/FP WORK (BID ALTERNATE 2 - SEE A0.0)**
MECHANICAL, PLUMBING, ELECTRICAL, FIRE PROTECTION, AND WORK ASSOCIATED WITH BUILDING UTILITIES IS DESIGN-BUILD BY CONTRACTOR. PRIOR TO WORKING ON THESE ITEMS, COORDINATE ALL WORK WITH OWNER AND A.H.E. CONTRACTOR IS RESPONSIBLE FOR DESIGN AND COORDINATION OF ALL MODIFICATIONS. FIELD VERIFICATION IS NECESSARY.
11. **CONCRETE SIDEWALK TOPPING SLABS:** NEW TOPPING SLABS ATOP NEW AND EXISTING STRUCTURAL SLABS ARE UNDER A SEPARATE PERMIT FOR THE STREETScape DESIGN AND ARE NOTED IN THESE DRAWINGS FOR REFERENCE. SEE CIVIL DRAWINGS FOR STREETScape DESIGN AND SIDEWALK GRADES. CONTRACTOR IS RESPONSIBLE TO OBTAIN THE CIVIL DRAWINGS FROM OWNER FOR COORDINATION PURPOSES.

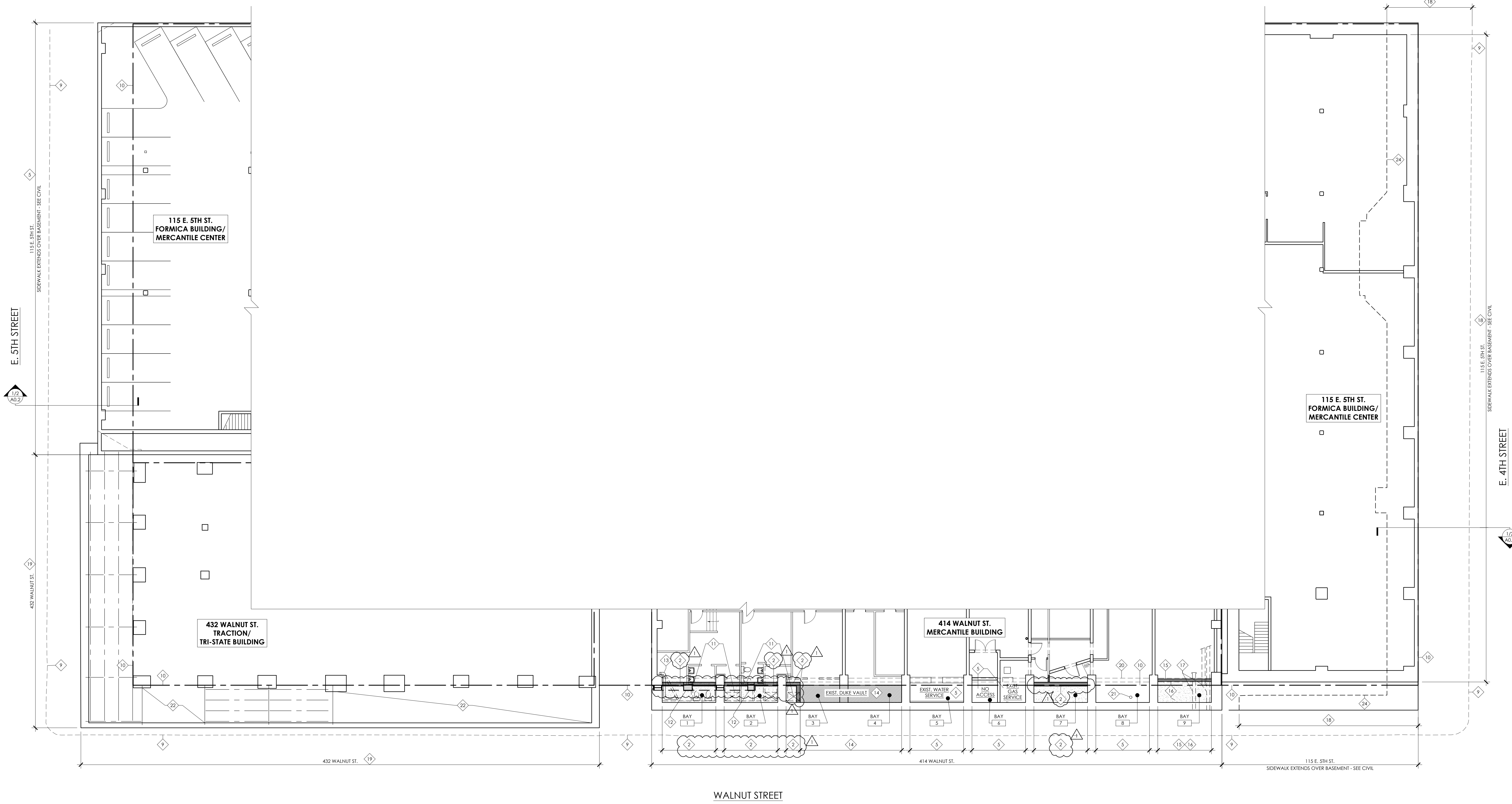
12. **SPLIT-SLAB WATERPROOFING:** PROVIDE NEW WATERPROOFING ON ALL NEW AND EXISTING STRUCTURAL SLABS, BENEATH TOPPING SLAB. SEE DETAILS ON SHEETS A0.2. TIE-IN NEW WATERPROOFING TO EXISTING ADJACENT SPLIT-SLAB WATERPROOFING AS PER WATERPROOFING MFG'S INSTRUCTIONS.
13. **THIN TOPPING SLABS / TOPPING SLABS LESS THAN 5" THICK:** DUE TO THE TOP OF SLAB ELEVATION OF SOME OF THE EXISTING TO REMAIN STRUCTURAL SIDEWALK SLABS, SOME OF THE NEW TOPPING SLAB WILL BE LESS THAN 5" THICK, WHICH IS THE MINIMUM REQUIRED THICKNESS PER DOTE STANDARDS.
 - AT THIN TOPPING SLABS LESS THAN 5" THICK, PROVIDE FIBER REINFORCED CONCRETE. SUBMIT CONCRETE MIX DESIGN TO ARCHITECT AND STRUCTURAL ENGINEER FOR APPROVAL.
 - VERIFY IN FIELD THE EXTENT AND LOCATIONS WHERE THIN TOPPING SLABS WILL OCCUR. FOR REFERENCE, REFER TO CIVIL DRAWINGS, ARCHITECTURAL PLANS, AND DETAIL 2/A0.2.
 - FOR ADDITIONAL BIDDING REFERENCE ON WHERE THIN TOPPING SLAB OCCUR, REFER TO THE ATTACHED MARKUP, PROVIDED BY OWNER, WHICH SHOWS WHERE EXPLORATORY CONCRETE CORES WERE PERFORMED IN SELECT AREAS TO DETERMINE THE THICKNESS OF EXISTING TOPPING SLABS.
 - COORDINATE TRANSITIONS FROM THIN TOPPING SLAB TO STANDARD, 5" THICK SLABS WITH CIVIL DRAWINGS SO THAT TRANSITIONS OCCUR AT REGULAR CONTROL JOINT SPACING SHOWN ON CIVIL PLANS.
 - SEE DETAIL 2/A0.2 FOR ADDITIONAL INFORMATION.

FLOOR PLAN KEYNOTES

1. AT EXISTING BASEMENT R.O.W. ENCROACHMENT, PROVIDE NEW STRUCTURAL CONCRETE SLAB, FLUID-APPLIED WATERPROOFING, AND TOPPING SLAB. SEE STRUCTURAL DRAWING FOR NEW FOOTINGS, COLUMNS, AND BEAMS. REMOVE EXISTING STEEL COLUMNS AND BEAMS WHICH SUPPORT EXISTING STRUCTURAL SLAB, UNLESS NOTED OTHERWISE. ALL NEW, EXPOSED STRUCTURAL TO BE 3-HOUR FIRE-RATED. SEE DETAIL 1/A0.0. SEE CIVIL DRAWINGS FOR SIDEWALK GRADES.
2. INFILL EXISTING BASEMENT R.O.W. ENCROACHMENT WITH CMU WALL AND CONCRETE FILL PER STRUCTURAL DRAWINGS AND IN ACCORDANCE W/ DOTE STANDARDS. PROVIDE FLUID-APPLIED WATERPROOFING AND DRAINAGE PROTECTION BOARD ON EXTERIOR SIDE OF CMU PRIOR TO INSTALLING FILL. BREAK UP EXISTING CONCRETE FLOOR SLAB IN ENCROACHMENT PRIOR TO INSTALLING CONCRETE FILL TO ALLOW WATER TO DRAIN. POUR NEW SIDEWALK SLAB ABOVE PER CIVIL DRAWINGS. COORDINATE ENCROACHMENT INFILL WORK WITH CIVIL STREETScape DESIGN AND STREET TREE LOCATIONS, ETC. (SEE BID ALTERNATE 1 ON SHEET A0.0 FOR BIDDING INFORMATION ASSOCIATED WITH INFILLS.)
3. NO EXISTING BASEMENT R.O.W. ENCROACHMENT. SEE CIVIL DRAWINGS FOR NEW STREETScape DESIGN.
4. NOT IN SCOPE - EXISTING BASEMENT ENCROACHMENT AND EXISTING STREETScape TO REMAIN.
5. EXISTING BASEMENT R.O.W. ENCROACHMENT AND EXISTING STRUCTURAL SLAB TO REMAIN. PROVIDE NEW SPLIT-SLAB WATERPROOFING ATOP EXISTING STRUCTURAL SLAB AND NEW TOPPING SLAB SIDEWALK. SEE GENERAL NOTES ON THIS SHEET FOR SLAB WATERPROOFING DETAILS. SEE DETAIL ON SHEET A0.0 FOR WATERPROOFING SPEC. SEE CIVIL DRAWINGS FOR SIDEWALK GRADES AND STREETScape DESIGN.
6. EXISTING BASEMENT R.O.W. ENCROACHMENT TO BE INFILLED WITH CONCRETE UNDER SEPARATE PERMIT. REFER TO SEPARATE BUILDING PERMIT NO. 2024P03455 FOR 417 RACE ST. SEE CIVIL DRAWINGS FOR NEW STREETScape DESIGN.
7. EXISTING COLUMNS AND BEAM ABOVE TO REMAIN. SEE STRUCTURAL DRAWINGS FOR NEW STRUCTURE.
8. REMOVE EXISTING COLUMNS AND BEAMS WHICH CURRENTLY SUPPORT STRUCTURAL SIDEWALK SLAB ABOVE. SEE STRUCTURAL DRAWINGS FOR NEW STRUCTURE.
9. LINE OF SIDEWALK CURB ABOVE, SHOWN FOR REFERENCE. SEE CIVIL DRAWINGS.

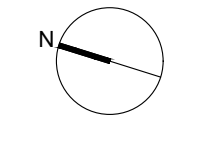
10. APPROXIMATE LOCATION OF EXISTING PROPERTY LINE, SHOWN FOR REFERENCE. SEE CIVIL DRAWINGS.
11. DEMOLISH EXISTING ABANDONED BATHROOMS, REMOVE EXISTING CONSTRUCTION WHERE SHOWN DASHED AND NOTED WITH KEYNOTE ON PLAN. REMOVE EXISTING PLUMBING FIXTURES AND CAP PLUMBING BELOW SLAB. REMOVE AND TERMINATE ALL MEP ITEMS ASSOCIATED WITH BATHROOMS. COORDINATE WITH BUILDING OWNER ON BATHROOM DEMOLITION WORK.
12. EXISTING CONCRETE FOUNDATION AND STEEL BEAMS ABOVE TO REMAIN BELOW SIDEWALK. VERIFY EXACT LOCATION IN FIELD.
13. EXISTING STORM DRAIN (ASSUMED) IN BASEMENT ENCROACHMENT IS TO BE INVESTIGATED BY BUILDING OWNER AND WILL BE RE-ROUTED OR WILL REMAIN AND BE ENCASED IN CONCRETE. COORDINATE WITH BUILDING OWNER ON STATUS OF ROOF DRAIN PRIOR TO PROCEEDING WITH WORK.
14. LOCATION OF EXISTING DUKE SIDEWALK VAULT TO REMAIN. SEE CIVIL DRAWING FOR STREETScape DESIGN ABOVE.
15. EXISTING CMU WALL TO REMAIN. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFO.
16. INFILL EXISTING BASEMENT R.O.W. ENCROACHMENT WITH CONCRETE FILL PER STRUCTURAL DRAWINGS AND IN ACCORDANCE W/ DOTE STANDARDS. PROVIDE FLUID-APPLIED WATERPROOFING AND DRAINAGE PROTECTION BOARD ON EXTERIOR SIDE OF EXISTING CMU WALL PRIOR TO INSTALLING FILL. BREAK UP EXISTING CONCRETE FLOOR SLAB IN ENCROACHMENT PRIOR TO INSTALLING CONCRETE FILL TO ALLOW WATER TO DRAIN. POUR NEW SIDEWALK SLAB ABOVE PER CIVIL DRAWINGS.
17. EXISTING BLACK IRON FIRE WATER LINE AND EXISTING PVC SANITARY PLUMBING ARE TO BE ADDRESSED BY BUILDING OWNER PRIOR TO ENCROACHMENT INFILL. IT IS ASSUMED THAT THE PVC PLUMBING WILL BE MODIFIED AND CHANGED METAL SUITABLE FOR BELOW-GRADE. COORDINATE W/ BUILDING OWNER ON STATUS OF EXISTING PLUMBING PRIOR TO PROCEEDING WITH WORK.
18. EXISTING STRUCTURAL SIDEWALK SLAB TO REMAIN AND TO RECEIVE NEW WATERPROOFING AND TOPPING SLAB. AT THIS AREA OF STREETScape, THE SIDEWALK EXTENDS BEYOND THE R.O.W. PROPERTY LINE, OVER THE EXISTING BASEMENT. REFER TO KEYNOTE #3 FOR ADDITIONAL INFORMATION. SEE CIVIL DRAWINGS FOR EXTENTS OF STREETScape.

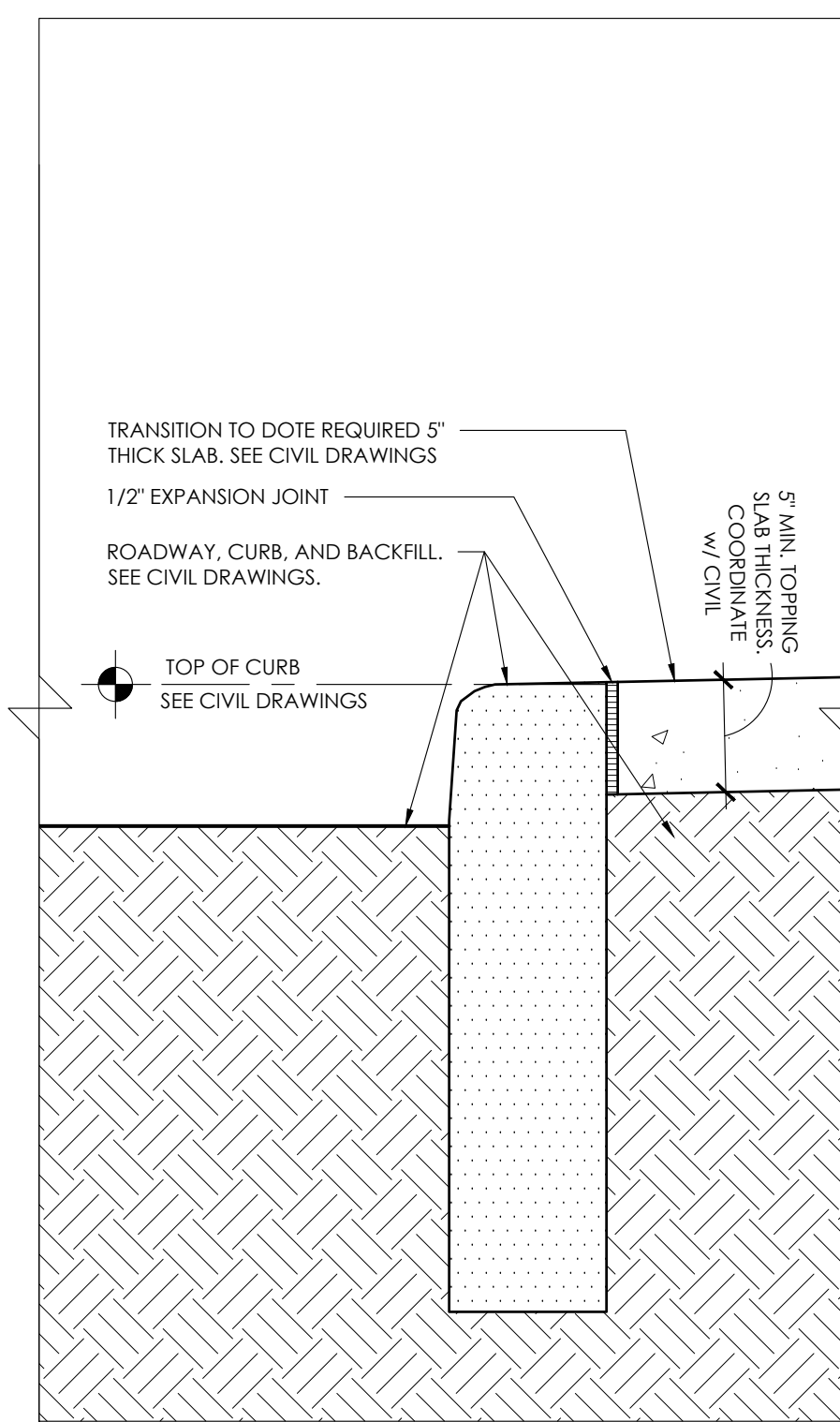
19. EXISTING BASEMENT R.O.W. ENCROACHMENT TO REMAIN, PORTIONS OF THE EXISTING STRUCTURAL SIDEWALK SLAB WILL BE REPLACED AS PART OF SEPARATE PROJECT. PROVIDE NEW SPLIT-SLAB WATERPROOFING AND NEW TOPPING SLAB, TIE-IN NEW AND EXISTING WATERPROOFING AS REG'D.
 - **BID ALTERNATE 3, SEE A0.0:** 432 WALNUT ST. PROVIDE AN ALTERNATE PRICE TO INCLUDE THE STRUCTURAL SLAB + TOPPING SLAB ASSEMBLY AS DESIGNED IN THE 432 WALNUT ST. BUILDING RENOVATION DOCUMENTS. FOR BIDDING, SEE ATTACHED DRAWINGS. SEPARATE PERMIT - SEE PERMIT NO. ON UNDER 'BID ALTERNATES' ON COVER SHEET A0.0.
20. LINE OF EXISTING HEADER/BEAM ABOVE TO REMAIN.
21. LOCATION OF EXISTING PLUMBING CLEANOUT IN FLOOR SLAB.
22. EXISTING TO REMAIN STRUCTURAL SLAB SHALL BE RE-EVALUATED AS PART OF SEPARATE BUILDING RENOVATION PROJECT TO DETERMINE IF REPLACEMENT W/ NEW STRUCTURAL SLAB IS REQUIRED.
23. EXISTING UTILITY ROUTING INSIDE BASEMENT ENCROACHMENT, INCLUDING SPRINKLER AND GAS LINES WILL NEED TO BE RELOCATED TO CONSTRUCT NEW STRUCTURAL SLAB. VERIFY EXISTING CONDITIONS IN FIELD AND COORDINATE WITH BUILDING OWNER ON UTILITY AND MEP/FP WORK. MEP/FP AND UTILITY WORK IS UNDER SEPARATE PERMITS BY CONTRACTOR.
24. LINE OF FACE OF EXISTING BUILDING ABOVE AT 1ST FLOOR, SHOWN FOR REFERENCE TO SHOW EXTENT STREETScape SIDEWALK ABOVE. SEE CIVIL DRAWINGS FOR ADDITIONAL INFO.
25. NO STRUCTURAL SCOPE, SEE CIVIL DRAWINGS FOR STREETScape DESIGN.



WALNUT ST. STREETScape
BASEMENT ENCROACHMENT FLOOR PLANS

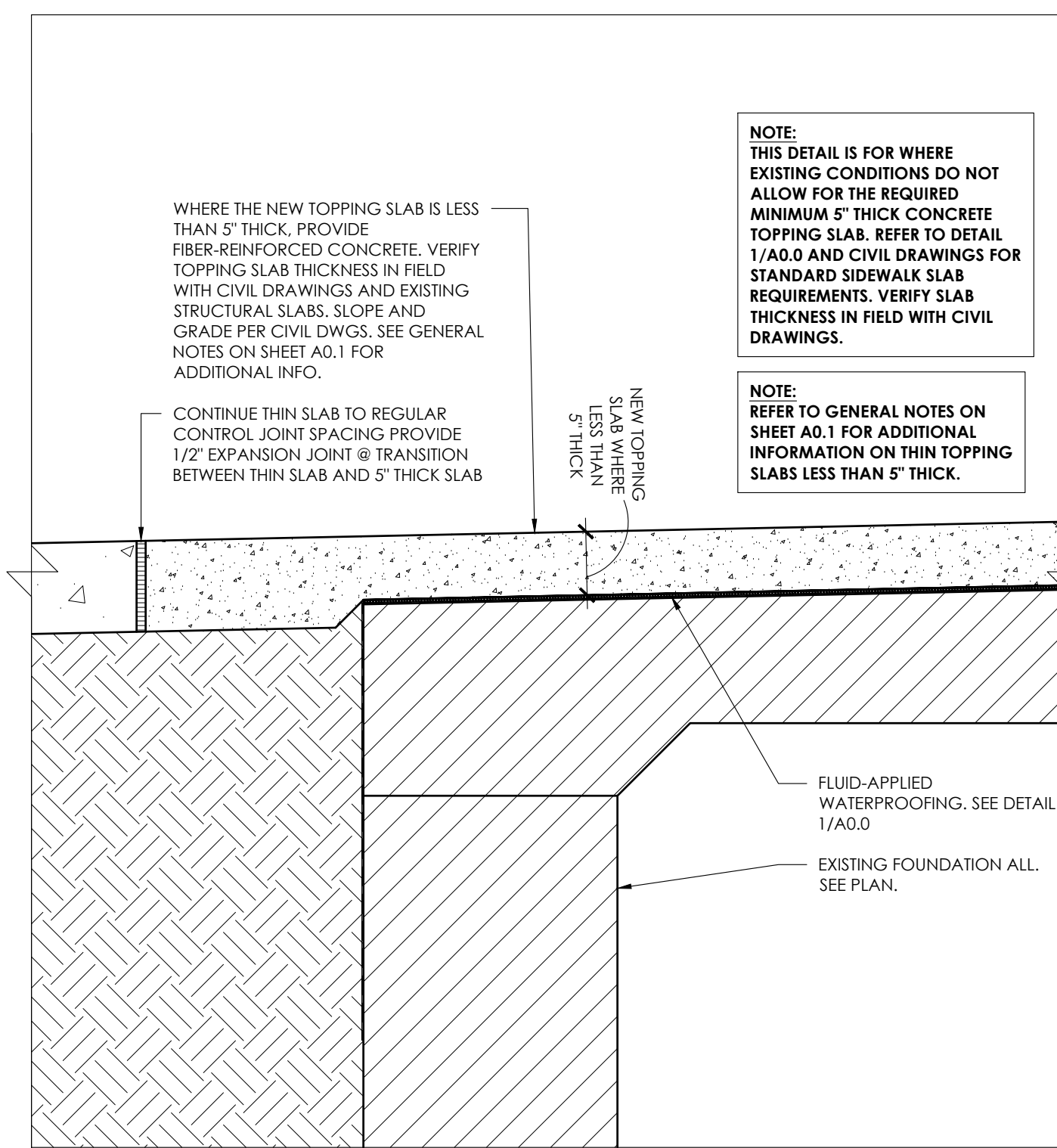
1
A0.1.C
3/32" = 1'-0"





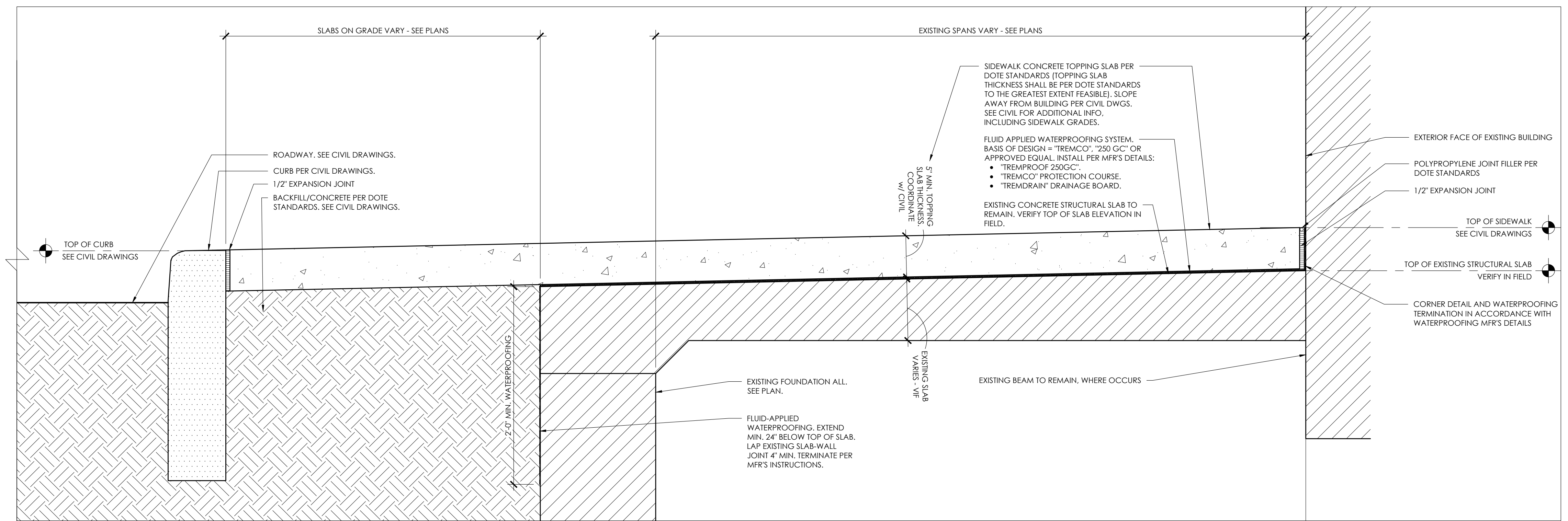
**SPLIT SLAB SIDEWALK SECTION DETAIL @
EXISTING STRUCTURAL SLAB + NEW THIN TOPPING SLAB**

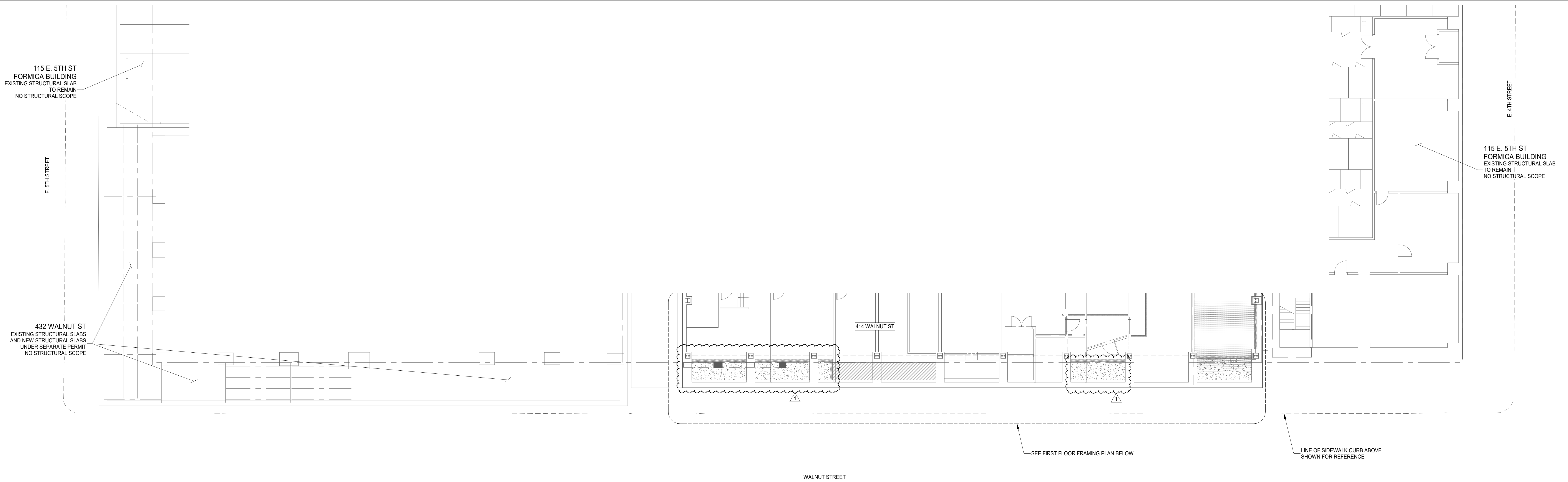
2
A0.2
1 1/2" = 1'-0"



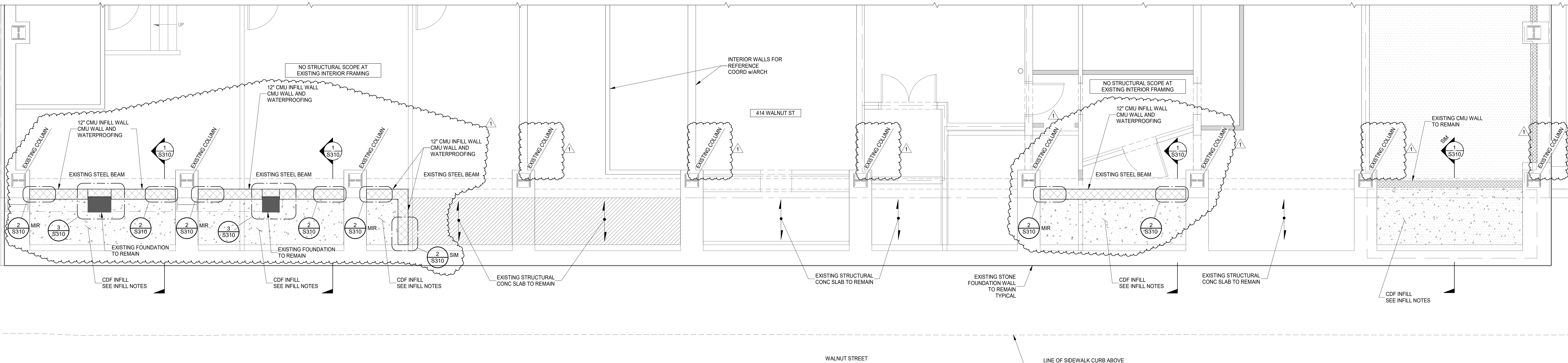
**SPLIT SLAB SIDEWALK SECTION DETAIL @
EXISTING STRUCTURAL SLAB + NEW TOPPING SLAB**

1
A0.2
1 1/2" = 1'-0"





OVERALL PLAN
SCALE 3/32" = 1'-0"
SEE BLOWUPS FOR SCOPE OF WORK



FIRST FLOOR FRAMING PLAN
SCALE 1/4" = 1'-0"

PLAN NOTES:

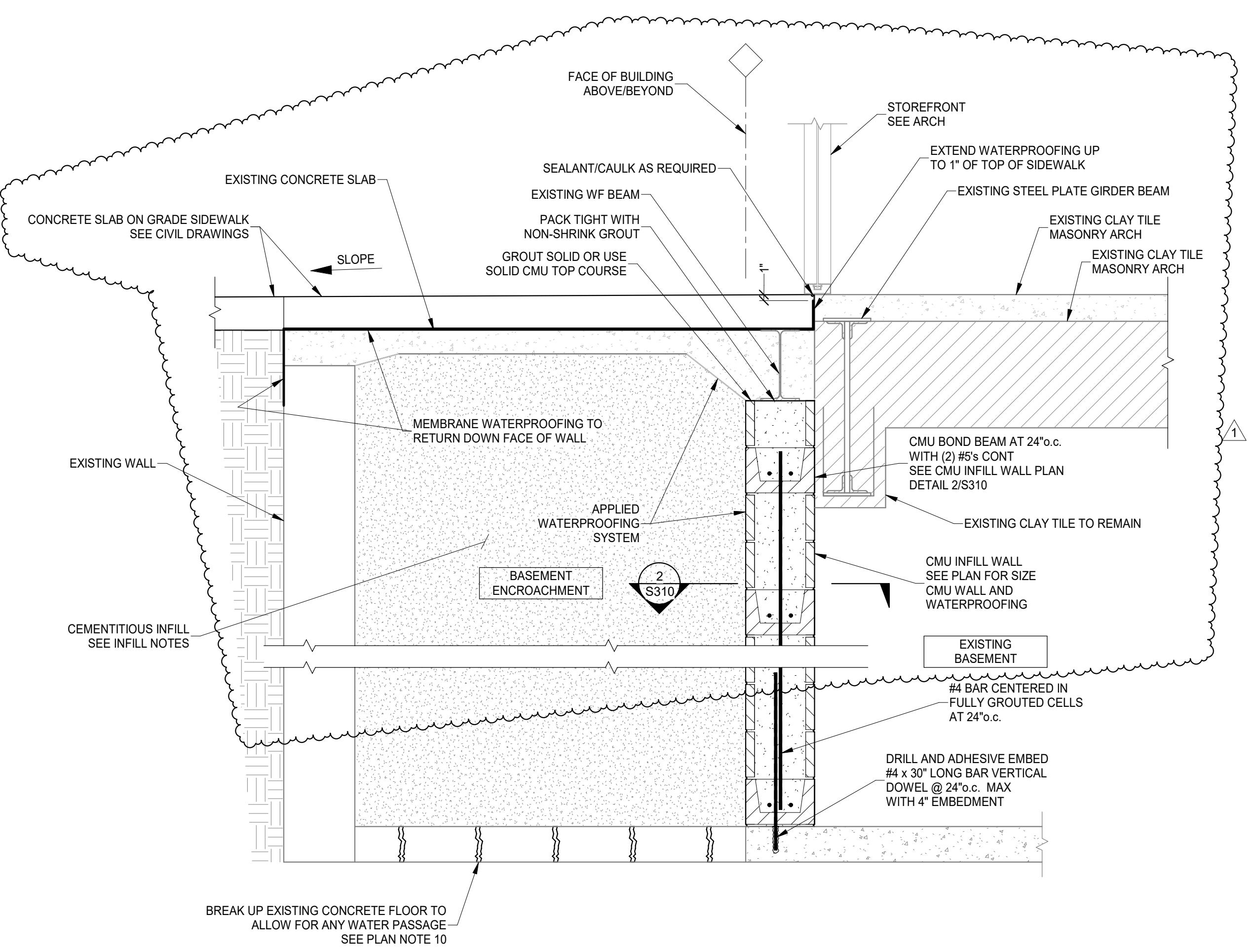
- G.C. TO FIELD VERIFY ALL EXISTING CONDITIONS AND NOTIFY ARCHITECT/ENGINEER OF DISCREPANCIES TO REVIEW.
- SCOPE OF PROJECT IS LIMITED TO ENCROACHMENTS UNDER RIGHT OF WAY. THE STRUCTURAL REPAIR OF THE PRIMARY STRUCTURE IS THE RESPONSIBILITY OF THE BUILDING OWNER AND OUTSIDE THE SCOPE OF THIS PROJECT.

INFILL NOTES:

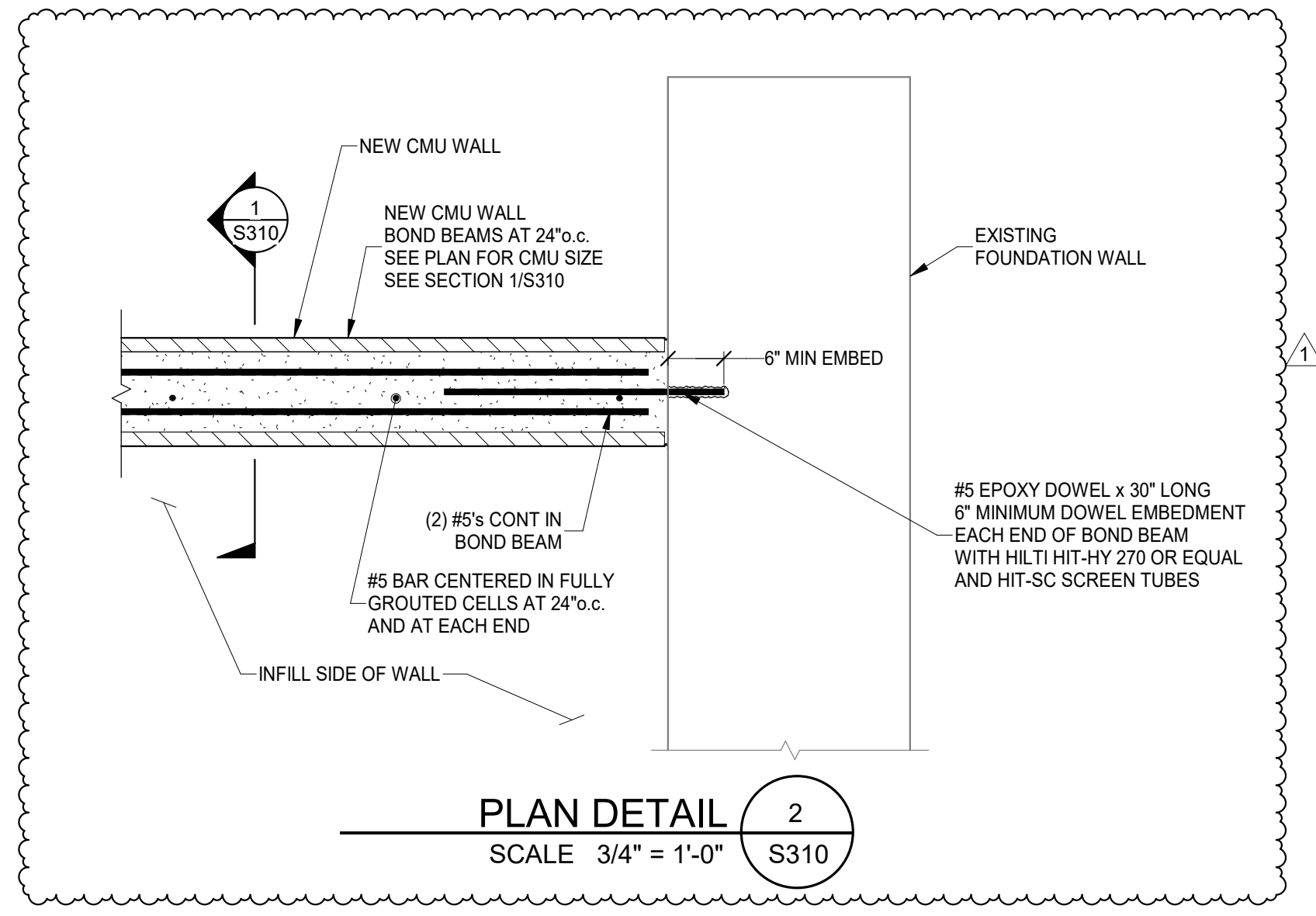
- INFILL SHALL BE PERFORMED IN MINIMUM OF (3) EQUAL LIFTS ON A 4" BED OF GRANULAR FILL FOR DRAINAGE AS SHOWN. PROVIDE ACCESS THROUGH EXISTING SIDEWALK SLAB AS NEEDED.
- BACKFILL SHALL BE LEAN CONCRETE. REFER TO HAMILTON COUNTY LIST OF APPROVED CLSM-CDF MIXES.
- BACKFILL SHALL BE PLACED SO THAT EACH LIFT HAS BEEN GIVEN TIME TO CURE AND SET UP PRIOR TO PLACING NEXT LIFT.
- INFILL AREA SHALL BE RELATIVELY DRY PRIOR TO PLACING ANY FILL MATERIAL. THIS INCLUDES BETWEEN INFILL LIFTS. ANY MOISTURE CONTAINED WITHIN THE FILL MATERIAL SHALL BE ALLOWED TO DISAPPEAR PRIOR TO ADDING MORE FILL MATERIAL. THE SURFACE OF THE LIFT BELOW SHALL BE FREE OF STANDING WATER PRIOR TO PLACING THE NEXT LIFT ON TOP OF IT.
- THE TOP PORTION OF THE INFILL SHALL BE FILLED WITH NON-SHRINK GROUT AS SHOWN ON DRAWINGS. MINIMUM COMPRESSIVE STRENGTH $f_c = 2000$ PSI.
- TOP LIFT OF GROUT SHALL BE PLACED UNDER PRESSURE TO ENSURE THAT ALL VOIDS AND GAPS ARE COMPLETELY FILLED BENEATH EXISTING SIDEWALK SLAB.
- CONTRACTOR IS RESPONSIBLE FOR PROVIDING OPENINGS IN EXISTING SIDEWALK SLAB FOR CONCRETE PLACEMENT. CAREFUL ATTENTION SHOULD BE TAKEN AS TO NOT DAMAGE EXISTING CONCRETE BEAMS AND STRUCTURE PRIOR TO INFILLING BENEATH SLAB.
- FIELD VERIFY THAT THE NEW CMU WALL IS NOT INSTALLED UNDER THE RIGHT OF WALL ABOVE. NOTIFY ENGINEER IF RIGHT OF WAY CONFLICTS WITH THE PLAN AS SHOWN.

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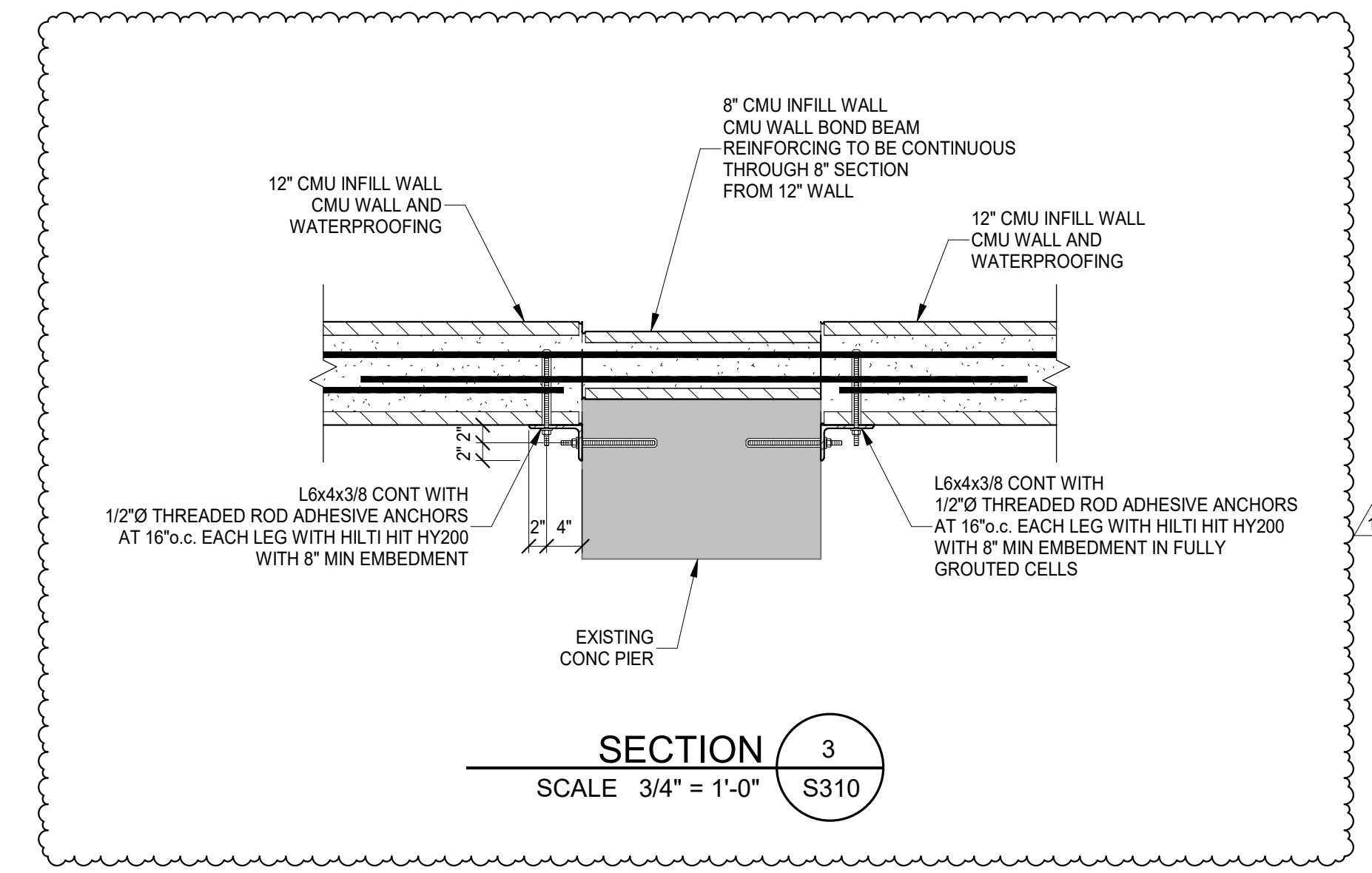
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SECTION 1
SCALE 3/4" = 1'-0" S310



PLAN DETAIL 2
SCALE 3/4" = 1'-0" S310



SECTION 3
SCALE 3/4" = 1'-0" S310

PRELIMINARY
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DATE: PERMIT/BID 07.10.2024
 REV 1 PERMIT REVISIONS 10.07.2024

FOUNDATION SECTIONS

S310