

Board of Public Works Meeting

June 18, 2024



The City will offer virtual options, including CATS public access television (live and tape-delayed) and

Public comments and questions will be encouraged via Zoom or bloomington.in.gov rather than in person

The City is committed to providing equal access to information. However, despite our efforts, at times, portions of our board and commission packets are not accessible for some individuals. If you encounter difficulties accessing material in this packet, please contact April Rosenberger at april.rosenberger@bloomington.in.gov and provide your name, contact information, and a link to or description of the document or web page you are having problems with.



Board of Public Works Staff Report

Project/Event: Lighting Plan for Hopewell West Subdivision

Petitioner/Representative: Engineering Department, Public Works Department, Planning and Transportation Department

Staff Representatives: Kendall Knoke, Project Engineer
Christina Smith, Special Projects Coordinator
Gabriel Holbrow, Zoning Planner

Date: 06/18/2024

Report: This project is located on the site of the former IU Health Bloomington Hospital. The property is owned by the Bloomington Redevelopment Commission and is located west of S Rogers Street, south of W 2nd Street, north of W 1st Street, and east of the former Hunter School property. This property is now generally referred to as “Hopewell West”. This project seeks to facilitate the redevelopment of the site and consists of the subdivision of the property into new parcels and public rights of way including a new W University Street, S Jackson Street, and S Fairview Street as well as 5 new alleys. The project also includes the buildout of a portion of S Jackson Street between W 1st Street and W University Street, an alley, and improvements to S Rogers Street. The construction of the rest of the public improvements for the subdivision will come in the future as separate projects.

Section 20.05.050(j)(10) of the Unified Development Ordinance (UDO) requires all subdivisions to submit a Street Lighting Plan to the Board of Public Works for approval prior to being signed by the Planning and Transportation Director. The Street Lighting Plan for Hopewell West is included in this packet and has been reviewed by Engineering and Public Works staff. Also included are the cut sheets for the proposed lighting fixtures.

The UDO requires “pedestrian scaled lighting” for all lighting within the Transform Redevelopment Overlay of which Hopewell West is a part of. Specifically the UDO restricts all lighting poles to 15’ in height or less.

This plan includes the installation of 3 types of specialty lights (102 count of 11’ Tegan “Old Town” lights, 11 count of in ground Kim Lighting “Lightvault”, and 39 count of 13’ Sternberg “Arne Area Light”). These lights are contained within the W University Street Greenway and will be maintained by Parks. These lights are consistent with the lighting currently being installed along the W University Street Greenway in Hopewell East (also to be maintained by Parks). The plan also indicates the installation of Duke Energy Traditional LED lights (12’ mounting height) on all other streets (S Jackson Street, S Fairview Street, and S Rogers Street). This lighting will be maintained by Public Works.



Date: Jun 3, 2024

ESL-Spectrum
1591 N Harding Street
Indianapolis IN 46202
Phone: (317) 951-2300
Fax: (317) 951-2310

Job Name
Bloomington Hospital Re-use - Hopewell West
INDY24-115028
Bloomington IN

Bid Date
Feb 1, 2024

Submittal Date
Jun 3, 2024

Landscape Architect:
Rundell Ernstberger Associates
618 E. Market St.
Indianapolis IN 46202



Transmittal

ESL-Spectrum
1591 N Harding Street
Indianapolis IN 46202
Phone: (317) 951-2300
From: Scott Parkinson

Project Bloomington Hospital Re-use - Hopewell West

Quote# INDY24-115028

Location Bloomington IN
Contact:

ATTACHED WE ARE SENDING YOU 1 COPY OF THE FOLLOWING ITEM:

- | | | |
|-----------------------------------|---|--------|
| <input type="checkbox"/> Drawings | <input type="checkbox"/> Specifications | Other: |
| <input type="checkbox"/> Prints | <input type="checkbox"/> Information | |
| <input type="checkbox"/> Plans | <input type="checkbox"/> Submittals | |

THESE ARE TRANSMITTED FOR:

- | | | |
|--|---|---------------------------------|
| <input type="checkbox"/> Prior Approval | <input type="checkbox"/> Resubmittal for Approval | <input type="checkbox"/> Record |
| <input type="checkbox"/> Approval | <input type="checkbox"/> Corrections | Bids due on: |
| <input type="checkbox"/> Approval as Submitted | <input type="checkbox"/> Your Use | Other: |
| <input type="checkbox"/> Approval as Noted | <input type="checkbox"/> Review and Comment | |

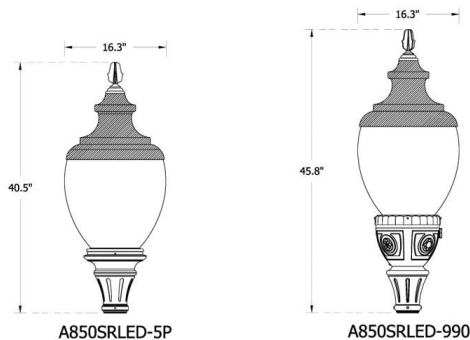
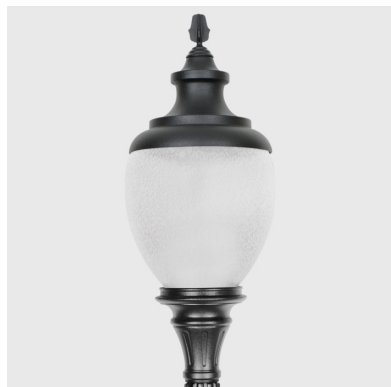
Type	MFG	Part
S2A	Landscape Forms	AR1P-18-C-2-WF-MBK/ARA-02 (13' AFG @ 90 DEGREES & 270 DEGREES) RTA-14-B-5-A-4-MBK-BC-PC
S6A	Tegan Lighting	EX5-K-C-FG-BLK EX-C-BLK (PER FT) EX-TSEB-PCSC-BLK EX-PF-BLK EX-EC-BLK Q-VAULT-5-1-Q-SETL-100-UNV/24 EX-MTBT-BLK ESSLD DISCOUNT R

Specification Sheet

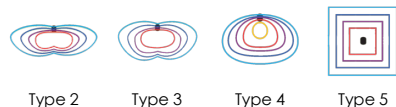
old town
A850SRLED

Project Name _____ Qty _____

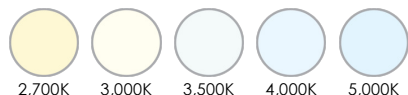
Type _____ Catalog / Part Number _____



Distribution Type



CCT - Color Temp (K)



7 Year Warranty



IP Rating



Certifications



Description

The A850SRLED Old Town luminaire blends form and function into a classic shape. It is supplied with a cast aluminum finial and a solid, cast aluminum roof which includes optimized heat sinks to provide maximum life and performance for the LED light sources. The acorn is sealed to the cast aluminum roof to provide a moisture free and bug-free optics chamber for the LED light source.

EPA: 1.21 (ft²) | WEIGHT: 43 LBS

Features

Mounting Configuration

- | | |
|--------------------------------------|--------------------------------------|
| 1W: Wall Mount | PT: Post Top |
| 1A: 1 Arm Mount | 1APT: 1 Arm & Post Top |
| 2A: 2 Arm Mount @ 180° | 2A90: 2 Arm Mount @ 90° |
| 2APT: 2 Arm @ 180° & Post Top | 3A: 3 Arms @ 120° |
| 3A90: 3 Arms @ 90° | 3APT: 3 Arm @ 120° & Post Top |
| 4A: 4 Arms @ 90° | 4APT: 4 Arm @ 90° & Post Top |
| 1AM: 1 Arm Mid-Mount | 2AM: 2 Arm Mid-Mount @180° |
| 450PB: Pier Base | |

Optional Control Receptacle

- R7:** 7-Pin control receptacle only
- SRR7:** Roof Mounted 7-Pin Control Receptacle Only

Optional Control

- PE:** Twist-Lock Photocontrol (120V-277V)
- PE4:** Twist-Lock Photocontrol (347V-480V)
- SC:** Shorting Cap
- PEC:** Electronic Button Photocontrol (120V-277V)
- PEC4:** Electronic Button Photocontrol (480V)

Optional Fuse

- FHD:** Double Fuse and Holder

Optional House Side Shield

- HSS:** 120° House Side Shield
- BLOC:** Back Light Optical Control

Optional Fixed Dimming Resistor Board

- FDRB:** Fixed Dimming Resistor Board

Physical

Fixture **A850SRLED:** Old Town

Job Name:Bloomington Hospital Re-use - Hopewell West
Landscape Architect: Rundell Ernstberger
Associates (Indianapolis)**Catalog Number:**PT-A850SRLED-5P-16L-40-T3-MDL014-
A-BKT/5212-TFP6-3-.188-BKT**Notes:****Type:****TBD**

INDY24-115028

Specification Sheet**old town**
A850SRLED

Fitter	5P: Slip fit 3" OD x 3" tall tenon/pole 73: Slip fit 3" OD x 4" tall tenon/pole 74: Slip fit 4" OD x 4" tall tenon/pole 990: Utility-Fitter, Slip fit 3" OD x 3" tall tenon/pole 991: Utility-Fitter, Slip fit 3" OD x 3" tall tenon/pole 992: Utility-Fitter, Slip fit 3" OD x 3" tall tenon/pole 993: Utility-Fitter, Slip fit 3" OD x 3" tall tenon/pole 994: Utility-Fitter, Slip fit 4" OD x 3" tall tenon/pole 995: Utility-Fitter, Slip fit 4" OD x 3" tall tenon/pole BD4: Slip fit 4" OD x 5" tall tenon/pole BD5: Slip fit 5" OD x 6" tall tenon/pole BD7: Slip fit 7" OD x 1" tall tenon/pole OL3: Oak-Leaf, Slip fit 3" OD x 3" tall tenon/pole OL4: Oak-Leaf, Slip fit 4" OD x 3" tall tenon/pole 588: Art-Deco, Slip fit 3" OD x 3" tall tenon/pole C2097: Low-Profile, Slip fit 7" OD x 1" tall tenon/pole
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Optional Twist Lock Acorn	T: Twist-Lock Option for Acorn
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Lens	A: Clear Textured Acrylic Acorn P: Clear Textured Poly Acorn
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Optional Ring	CDR: Cast Decorative Ring, GOLD medallions CDRP: Cast Decorative Ring, painted to match medallions CDRCL: Cast Decorative Ring, custom logo medallions PBDR: Perforated Brass Decorative Ring, raw brass PBDRP: Perforated Brass Decorative Ring, painted
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Optional Receptacle	GFI: 120V, 15A Duplex GFI for Utility Fitter
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Optional Terminal Block	TB: Terminal Block
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Finish	BKT: Black Textured PGT: Park Green Textured DBT: Dark Bronze Textured SI: Swedish Iron OI: Old Iron WBR: Weathered Brown WBK: Weathered Black CM: Custom Match	WHT: White Textured ABZT: Architectural Medium Bronze Textured VG: Verde Green OWGT: Old World Gray Textured RT: Rust CD: Cedar TT: Two Tone
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Light Source

LED	32L: 32 LEDs 16L: 16 LEDs	24L: 24 LEDs 12L: 12 LEDs
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CCT - Color Temp (K)	27: 2,700K 35: 3,500K 50: 5,000K	30: 3,000K 40: 4,000K
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Distribution Type	T2: Type 2 T4: Type 4	T3: Type 3 T5: Type 5
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Electrical and control

Driver	MDL018: 120V-277V, 180mA MDL016: 120V-277V, 160mA MDL014: 120V-277V, 140mA MDL008: 120V-277V, 80mA	MDH018: 347V-480V, 180mA MDH016: 347V-480V, 160mA MDH014: 347V-480V, 140mA MDH008: 347V-480V, 80mA
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Job Name:

Bloomington Hospital Re-use - Hopewell West
Landscape Architect: Rundell Ernstberger
Associates (Indianapolis)

Catalog Number:

PT-A850SRLED-5P-16L-40-T3-MDL014-
A-BKT/5212-TFP6-3-.188-BKT

Notes:**Type:****TBD**

INDY24-115028

Specification Sheet**old town**
A850SRLED**Specifications****Available with Intellistree® Technology**

Intellistree® is an integrated set of solutions offering the capability to see, hear, and record what's happening on your streets, through both cameras and audio sensors.

Fitter

The fitter shall be heavy wall cast aluminum, 356 alloy for high tensile strength. It shall have an 8-1/2" inside diameter opening to attach to the 8" neck of the lens. It includes 4 stainless steel Allen-head set screws for attachment. The fitter shall have a one-piece ring bug gasket to resist insect penetration.

Utility Fitter: The fitter shall be heavy wall cast aluminum, 360 die cast alloy for high tensile strength. It shall have a hinged, tool-less entry door that provides open access to all of the components. The 900 series shall have an optional terminal block for ease of wiring, an optional Twist-Lock Photocontrol receptacle, an optional single GFCI outlet for auxiliary power needs. The top mounted driver mounting plate shall be cast aluminum and provide tool-less removal from the housing using 2 finger latches. The fitter shall have a one-piece ring gasket to resist insect penetration into globe assembly. When supplied with GFCI receptacle a hole will be provided for cord and plug installation with the access door closed. When cord and plug is not in use a filler plug will be provided and shall be tethered to the fitter for easy recovery and installation.

Twist-Lock Option: The TL (Twist-Lock) fitter will have an aluminum die-cast twist-lock mechanism. The tool-less 90 degree turn action allows for easy acorn/globe removal and replacement. A die-cast ring assembly is mechanically attached to the globe and is removable if the globe is broken or replaced.

Cast Decorative Ring

Optional cast aluminum decorative ring (CDR) is made up of a 2.75" tall horizontal band with vertical slots and a 3" medallion in a **GOLD** finish. Alternate medallion version painted to match fitter (CDRP). Consult factory for custom logos.

Polished Brass Decorative Ring

Optional 2.25" tall perforated banding ring made of brass. Alternate version painted to match fitter (PBDPR)

Hardware

Includes Stainless steel hardware. Most finishes will include hardware with a Black Oxide conversion coating. Light finishes will get non-color coated hardware (**Whites and Silvers**)

Lens

Clear textured acorn offered in impact resistant DR acrylic or UV stabilized polycarbonate material. An injection molding process adds a textured surface for glare mitigation.

Serviceability

Tool-less access to the driver compartment after the acorn is removed allows for trouble free servicing of the LED Driver and Surge Suppressor.

UL Listing

UL listed per UL1598 and CSA 22.2 No. 250.0 for the United States and Canada. Suitable for Wet Locations.

Electronic Driver

The LED driver is UL recognized and will be securely mounted inside the fixture, for optimized performance and longevity. It will be supplied with a quick-disconnect electrical connector on the power supply, providing easy power connections for fixture installation and maintenance. It will have DC voltage output and be a constant current design. It runs at 50/60HZ and will have overload, overheat, and short circuit protection. It will be supplied with a supplemental line-ground, line-neutral and neutral-ground electrical surge protection in accordance with IEEE/ANSI C62.41.2 guidelines. It will be a high efficiency driver with a THD less than 20% and a high-power factor greater than .9. It will be dimming capable using a 0-10V signal, consult factory for more information.

IP Rating

IP65 rated

Finish

Our 6 Stage Polyester Powder coat paint system offers a beautiful high-end finish that holds up to even the most extreme environments. Each part is inspected for quality and consistency before being released for shipment. Our system exceeds AAMA 2604, AAMA 2605, ASTM D523 and ASTM D4214 requirements.

Traditional Finish

Traditional paint finishes are available in Sternberg Lighting's Traditional product line. A range of colors help accent the decorative elements on the product. Finishes are available in textured or smooth.

Available finishes include: **Black, White, Park Green, Architectural Medium Bronze and Dark Bronze**

Sternberg Select Finish

The Sternberg Select antique-inspired palette adds a touch of vintage elegance to modern applications.

Old World Gray Textured is a 1 part powder coat with metallic flakes.

Verde Green and Swedish Iron is a 2 part finish that includes a powder coat base coat with a hand applied antique top coat. The top coat is unique to each application and changes over time.

Custom Finish

Custom finishes are offered to adapt to any application.

Rust, Weathered Brown and Cedar are special 1 part powder coat finishes with a distinctive look.

Old Iron and Weathered Black are 2 part finishes that includes a powder coat base coat with a hand applied antique top coat. The top coat is unique to each application and changes over time.

Two-Tone and Custom Match options are available to blend sternberg product with the site, consult factory for more information.

Job Name:

Bloomington Hospital Re-use - Hopewell West
 Landscape Architect: Rundell Ernstberger
 Associates (Indianapolis)

Catalog Number:

PT-A850SRLED-5P-16L-40-T3-MDL014-
 A-BKT/5212-TFP6-3-.188-BKT

Notes:**Type:****TBD**

INDY24-115028

Specification Sheet**old town**
A850SRLED

Warranty	7-year limited warranty. See Website for Terms and Conditions.
LEDs	<p>The LED's in this system will be fully shielded in a direct downward position to maximize efficiency.</p> <p>The LEDs are mounted to maximize thermal transfer to the heat sink surface. The LEDs shall be 100% recyclable; not contain lead, mercury or any other hazardous substances and shall be RoHS compliant. Lumen maintenance shall be determined in accordance with IESNA TM-21, based on LED manufacturer LM-80 test data of no less than 6,000 hours and in-situ testing of the luminaire by an NVLAP accredited Energy Efficient Lighting Products Lab. The high-performance white LEDs will have a predicted lumen depreciation of approximately 100,000 hours with greater than 70% of initial output at 25°C. The high brightness, high-output white LEDs shall be 4000K nominal (2700K, 3000K, 3500K or 5000K optional) correlated color temperature (CCT) with a 70 (minimum) color rendering index (CRI). Consult factory for custom CCT or CRI. The luminaire shall have a minimum _____ (see table) delivered initial lumens when operated at steady state with an average ambient temperature of 25°C (77°F).</p> <p>CCT Lumen Derate Values from 4,000K</p> <p>2,700K (70+ CRI)=.92 3,000K (70+ CRI)=.95 3,500K (70+ CRI)=1.03 5,000K (70+ CRI)=1.00</p>
Optics	The luminaire shall be provided with individual, refractor type optics applied to each LED. The luminaire shall provide Type ____ (2, 3, 4 or 5) light distribution per the IESNA classifications. Testing shall be done in accordance with IESNA LM-79.
Backlight Optical Control	<p>BLOC Optic (BLOC): An optional "Back Light Optical Control" shield can be provided at the factory. This is an internal optic level "House Side Shield" offering significantly reduced backlight and glare while maintaining the original design aesthetics of the luminaire.</p> <p>Internal House Side Shield (HSS): An optional INTERNAL 120° House Side Shield helps control backlight. Spun aluminum panel painted to match fixture.</p>
Fixed Dimming Resistor Board (FDRB)	Optional numbered 10-step selector switch allows for fine adjustment of the light levels in the field, repeatable from location to location. Offers dimming from 25% to 100% of the original output. Enclosure is composite material, sealed to protect components for the life of the product.
Photocontrols	<p>Button Photocell: The photocontrol shall be mounted on the fixture and pre-wired to driver. The electronic button type photocontrol is instant on with a 5-10 second turn off, and shall turn on at 1.5 footcandles with a turn-off at 2-3 footcandles. See pole spec sheet for pole mounted version.</p> <p>Twist-Lock Style (Roof Mount): The photocontrol shall be mounted on the roof and prewired to driver. The twist lock type photocontrol is instant on with a 3-6 second turn off, and shall turn on at 1.5 footcandles with a turnoff at 2-3 footcandles. Photocontrol is 120-277 volt.</p> <p>Twist-Lock Style (Utility Fitter): The photocontrol shall be mounted in the utility fitter and prewired to driver. Utility fitter includes acrylic window to read ambient light levels. The twist lock type photocontrol is instant on with a 3-6 second turn off, and shall turn on at 1.5 footcandles with a turnoff at 2-3 footcandles. Photocontrol is 120-277 volt and warranted for 6 years. For use with standard photocells only, not for use with a wireless network controller.</p>
Terminal Block	<p>Requires Utility Fitter</p> <p>Optional 4-wire dual row terminal block. Includes #8-32 pan head screws. For use wire sizes 14-6 AWG. Component is UL recognized for 65A.</p>

Specification Sheet

old town
A850SRLED

Lumen Chart(s)

Model #	T2 DELIVERED LUMENS	BUG	EFFICACY (LPW)	T3 DELIVERED LUMENS	BUG	EFFICACY (LPW)	T4 DELIVERED LUMENS	BUG	EFFICACY (LPW)	T5 DELIVERED LUMENS	BUG	EFFICACY (LPW)	WATTAGE
32L40T_-MDL016	14435	B3U4G3	107.7	14545	B3U3G3	108.5	14725	B3U3G3	109.9	15255	B4U3G3	113.8	134
32L30T_-MDL016	13765	B3U4G3	102.7	13870	B3U3G3	103.5	14040	B3U3G3	104.8	14545	B4U3G3	108.5	134
32L27T_-MDL016	12445	B3U3G3	92.9	12540	B3U3G3	93.6	12695	B3U3G3	94.7	13150	B3U3G2	98.1	134
24L40T_-MDL018	11945	B3U3G3	103.0	11990	B3U3G3	103.4	12240	B3U3G3	105.5	12640	B3U3G2	109.0	116
24L30T_-MDL018	11390	B3U3G3	98.2	11430	B3U3G3	98.5	11670	B3U3G3	100.6	12050	B3U3G2	103.9	116
24L27T_-MDL018	10295	B2U3G2	88.8	10335	B3U3G3	89.1	10550	B3U3G3	90.9	10895	B3U3G2	93.9	116
24L40T_-MDL014	9655	B2U3G2	111.0	9685	B3U3G3	111.3	9885	B3U3G3	113.6	10215	B3U3G2	117.4	87
24L30T_-MDL014	9205	B2U3G2	105.8	9235	B3U3G3	106.1	9425	B3U3G3	108.3	9740	B3U3G2	112.0	87
24L27T_-MDL014	8325	B2U3G2	95.7	8350	B2U3G2	96.0	8520	B2U3G2	97.9	8805	B3U3G2	101.2	87
16L40T_-MDL014	6610	B2U3G2	112.0	6570	B2U3G2	111.4	6610	B2U3G2	112.0	6840	B3U3G2	115.9	59
16L30T_-MDL014	6300	B2U3G2	106.8	6265	B2U3G2	106.2	6300	B2U3G2	106.8	6520	B3U3G2	110.5	59
16L27T_-MDL014	5700	B2U3G2	96.6	5665	B2U3G2	96.0	5700	B2U3G2	96.6	5895	B2U3G1	99.9	59
12L40T_-MDL014	4945	B1U3G1	109.9	4920	B2U3G2	109.3	4910	B2U3G2	109.1	5155	B2U3G1	114.6	45
12L30T_-MDL014	4715	B1U3G1	104.8	4690	B2U3G2	104.2	4680	B2U3G2	104.0	4915	B2U3G1	109.2	45
12L27T_-MDL014	4265	B1U3G1	94.8	4240	B1U3G1	94.2	4235	B1U3G1	94.1	4445	B2U3G1	98.8	45
12L40T_-MDL008	3020	B1U3G1	116.2	3020	B1U3G1	116.2	3005	B1U3G1	115.6	3150	B2U3G1	121.2	26
12L30T_-MDL008	2880	B1U3G1	110.8	2880	B1U3G1	110.8	2865	B1U3G1	110.2	3005	B2U3G1	115.6	26
12L27T_-MDL008	2605	B1U3G1	100.2	2605	B1U3G1	100.2	2590	B1U3G1	99.6	2715	B2U3G1	104.4	26

Options



Perforated Brass Decorative Ring (PBDR)



Cast Decorative Ring (CDR)



Twist-Lock Ring (TL)

Specification Sheet

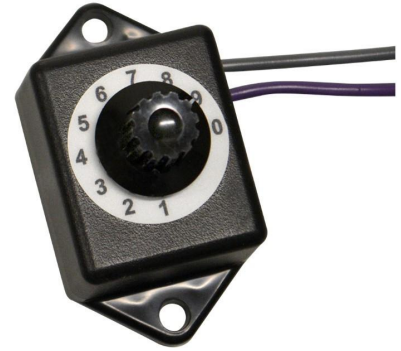
old town
A850SRLED



Solid Roof with NEMA Receptacle (**SRR7**)



Button Photocell (**PEC**)



Fixed Dimming Resistor Board (**FDRB**)



Double Fuse Holder & (2) 3A Fuses (**FHD**)

Specification Sheet

old town
A850SRLED

Fitters



5P Fitter
10-1/8" W x 10-3/8" H
Fits 3" OD x 3" tall tenon/pole



BD4 Fitter
10-1/8" W x 10-1/8" H
Fits 4" OD x 5" tall tenon/pole



BD5 Fitter
10-1/8" W x 10-1/4" H
Fits 5" OD x 6" tall tenon/pole



BD7 Fitter
10-1/8" W x 11-3/4" H
Fits 7" OD x 1" tall tenon/pole



588 Fitter
14-1/2" W x 14-1/4" H
Fits 3" OD x 3" tall tenon/pole



C2097 Fitter
10" W x 3-1/4" H
Fits 7" OD x 1" tall tenon/pole



992 Utility Fitter
10-1/2" W x 13-1/8" H
Fits 3" OD x 3" tall tenon/pole



991 Utility Fitter
10-1/2" W x 13-1/8" H
Fits 3" OD x 3" tall tenon/pole



OL3 (or OL4) Fitter
10-1/8" W x 10-3/8" H
Fits 3" (or 4") OD x 3" tall tenon/pole



990 (or 994) Utility Fitter
10-1/2" W x 15-3/4" H
Fits 3" (or 4") OD x 3" tall tenon/pole



993 (or 995) Utility Fitter
10-1/2" W x 15-3/4" H
Fits 3" (or 4") OD x 3" tall tenon/pole



73 (or 74) Fitter
9-3/4" W x 13-1/4" H
Fits 3" (or 4") OD x 4" tall tenon/pole

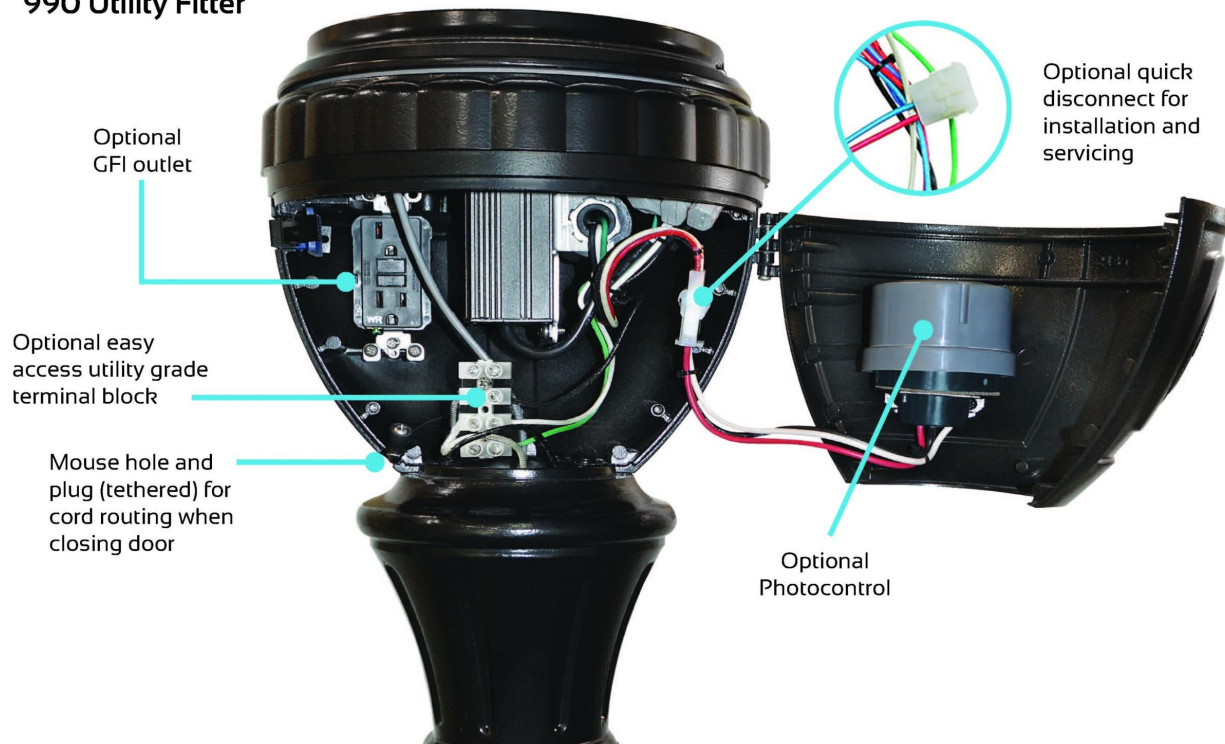
Specification Sheet

old town
A850SRLED

Utility Fitter Details

Optional Accessories

990 Utility Fitter



Specification Sheet

old town
A850SRLED

How to Order

Mounting Configuration (1)	Fixture	Fitter (1)	Optional Twist Lock Acorn	LED	CCT - Color Temp (K)	Distribution Type	Driver	Lens
1W Wall Mount	A850SRLED Old Town	5P Slip fit 3" OD x 3" tall tenon/pole (3)	T Twist-Lock Option for Acorn	32L 32 LEDs	27 2,700K	T2 Type 2	MDL018 120V-277V, 180mA (6)	A Clear Textured Acrylic Acorn
PT Post Top		73 Slip fit 3" OD x 4" tall tenon/pole		24L 24 LEDs	30 3,000K	T3 Type 3	MDH018 347V-480V, 180mA (6)	P Clear Textured Poly Acorn
1A 1 Arm Mount		74 Slip fit 4" OD x 4" tall tenon/pole		16L 16 LEDs	35 3,500K	T4 Type 4	MDL016 120V-277V, 160mA (7)	
1APT 1 Arm & Post Top		990 Utility-Fitter, Slip fit 3" OD x 3" tall tenon/pole (3)		12L 12 LEDs	40 4,000K	T5 Type 5	MDH016 347V-480V, 160mA (7)	
2A 2 Arm Mount @ 180°		991 Utility-Fitter, Slip fit 3" OD x 3" tall tenon/pole (3)			50 5,000K		MDL014 120V-277V, 140mA (8)	
2A90 2 Arm Mount @ 90°		992 Utility-Fitter, Slip fit 3" OD x 3" tall tenon/pole (3)					MDH014 347V-480V, 140mA (8)	
2APT 2 Arm @ 180° & Post Top		993 Utility-Fitter, Slip fit 3" OD x 3" tall tenon/pole (3)					MDL008 120V-277V, 80mA (9)	
3A 3 Arms @ 120°		994 Utility-Fitter, Slip fit 4" OD x 3" tall tenon/pole (3)					MDH008 347V-480V, 80mA (9)	
3A90 3 Arms @ 90°		995 Utility-Fitter, Slip fit 4" OD x 3" tall tenon/pole (3)						
3APT 3 Arm @ 120° & Post Top		BD4 Slip fit 4" OD x 5" tall tenon/pole						
4A 4 Arms @ 90°		BD5 Slip fit 5" OD x 6" tall tenon/pole						
4APT 4 Arm @ 90° & Post Top		BD7 Slip fit 7" OD x 1" tall tenon/pole						
1AM 1 Arm Mid-Mount		OL3 Oak-Leaf, Slip fit 3" OD x 3" tall tenon/pole						
2AM 2 Arm Mid-Mount @ 180°		OL4 Oak-Leaf, Slip fit 4" OD x 3" tall tenon/pole						
450PB Pier Base (2)		588 Art-Deco, Slip fit 3" OD x 3" tall tenon/pole						
		C2097 Low-Profile, Slip fit 7" OD x 1" tall tenon/pole (3) (4) (5)						

Notes:

- Use 3" fitter for arm applications.
- For use with 3" fitters only
- Fitter available with "Twist-Lock" acorn option
- Consult factory for use on concrete poles.
- Not for use with button photocell
- 24L system only.
- 32L system only.
- 12L, 16L or 24L system only.
- 12L system only.

Specification Sheet

old town
A850SRLED

How to Order

Optional Control Receptacle ⁽¹⁰⁾	Optional Control	Optional Fuse ⁽¹⁴⁾	Optional Ring	Optional Receptacle ^{(11) (18)}	Optional Terminal Block ⁽¹¹⁾	Optional House Side Shield ⁽¹⁹⁾	Optional Fixed Dimming Resistor Board ⁽²⁰⁾	Finish
<p>R7 7-Pin control receptacle only ^{(11) (15)}</p> <p>SRR7 Roof Mounted 7-Pin Control Receptacle Only</p>	<p>PE Twist-Lock Photocontrol (120V-277V) ⁽¹³⁾</p> <p>PE4 Twist-Lock Photocontrol (347V-480V) ⁽¹³⁾</p> <p>SC Shorting Cap ⁽¹³⁾</p> <p>PEC Electronic Button Photocontrol (120V-277V) ^{(14) (15)}</p> <p>PEC4 Electronic Button Photocontrol (480V) ^{(14) (15)}</p>	<p>FHD Double Fuse and Holder</p>	<p>CDR Cast Decorative Ring, GOLD medallions</p> <p>CDRP Cast Decorative Ring, painted to match medallions</p> <p>CDRCL Cast Decorative Ring, custom logo medallions ⁽¹⁷⁾</p> <p>PBDR Perforated Brass Decorative Ring, raw brass</p> <p>PBDRP Perforated Brass Decorative Ring, painted</p>	<p>GFI 120V, 15A Duplex GFI for Utility Filter</p>	<p>TB Terminal Block</p>	<p>HSS 120° House Side Shield</p> <p>BLOC Back Light Optical Control</p>	<p>FDRB Fixed Dimming Resistor Board</p>	<p>BKT Black Textured ⁽²¹⁾</p> <p>WHT White Textured ⁽²¹⁾</p> <p>PGT Park Green Textured ⁽²¹⁾</p> <p>ABZT Architectural Medium Bronze Textured ⁽²¹⁾</p> <p>DBT Dark Bronze Textured ⁽²¹⁾</p> <p>VG Verde Green</p> <p>SI Swedish Iron</p> <p>OWGT Old World Gray Textured</p> <p>OI Old Iron ⁽²²⁾</p> <p>RT Rust ⁽²²⁾</p> <p>WBR Weathered Brown ⁽²²⁾</p> <p>CD Cedar ⁽²²⁾</p> <p>WBK Weathered Black ⁽²²⁾</p> <p>TT Two Tone ⁽²²⁾</p> <p>CM Custom Match ⁽²²⁾</p>

Notes:

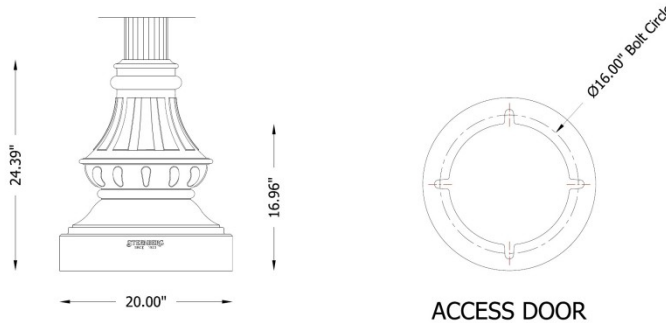
- 10. Not for use with FDRB.
- 11. For 900 series utility filter only.
- 12. For use with standard 3-Pin photocells only, not for use with a wireless network controller.
- 13. Requires control receptacle.
- 14. Not for use with R7 or SRR7.
- 15. Not for use with C2097 filter.
- 16. Ships loose for installation in base.
- 17. Consult factory for specification details.
- 18. For use with MDLxx driver only.
- 19. Not for use with TS optic.
- 20. Not for use with R7.
- 21. Smooth finishes are available upon request.
- 22. Custom colors require upcharge.

Specification Sheet

poles historic
5200 Barrington

Project Name _____ Qty _____

Type _____ Catalog / Part Number _____

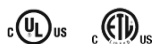


ACCESS DOOR

5 Year Warranty



Certifications



Description

The one piece base is made of heavy wall 356 alloy cast aluminum with a 1" thick floor cast as an integral part of the base. The high tensile aluminum shaft shall be double circumferentially welded internally and externally to the base for added strength.

Physical

Base Model	5200
Height (in feet)	8', 10', 12', 14', 14'1", 16', 18', 20', 22'
Shaft	T5: 5"-3" Tapered Smooth, T54: 5"-4" Tapered Smooth, T6: 6"-3" Tapered Smooth, T64: 6"-4" Tapered Smooth, P5: 5" Straight Smooth, P6: 6" Straight Smooth, FP5: 5" Straight Fluted, FP6: 6" Straight Fluted, TFP6: 6"-3" Cast Tapered Fluted, ETFP6: 6"-3" Extruded Tapered Fluted
Wall Thickness	.125: 1/8" Wall Thickness, .188: 3/16" Wall Thickness, .250: 1/4" Wall Thickness, C: Cast Shaft, Varied Wall Thickness
Post Center Cap	BCC - Ball Center Cap, FCC - Finial Center Cap, SCC - Spike Center Cap, TFCC - Tall Finial Center Cap, SSCC - Side Spike Center Cap, RCC - Round Center Cap, PCC - Plate Center Cap
Option Burial	DB4 - Direct Burial mounting style pole, with 4' direct burial section (or advise other length), HXB - Helix Base mounting style pole
Option Receptacle	GFI LPIUC - 15 Amp duplex GFCI receptacles with a low-profile in-use cover, GFI IUC - 15 Amp duplex GFCI receptacles with a standard in-use cover, USB LPIUC - 15 Amp duplex USB/Receptacle combo with a low-profile in-use cover (NON-GFI), USB IUC - 15 Amp duplex USB/Receptacle combo with a standard in-use cover (NON-GFI), GFI IB - 15 Amp duplex GFCI receptacle in pole base, includes mouse hole on door for wire access, USB IB - 15 Amp duplex USB/Receptacle combo in pole base, includes mouse hole on door for wire access (NON-GFI), GFB - Remote Ground Fault Breaker installed in pole base (for use with NON-GFCI receptacles)

Job Name:
 Bloomington Hospital Re-use - Hopewell West
 Landscape Architect: Rundell Ernstberger
 Associates (Indianapolis)
Catalog Number:
 PT-A850SRLED-5P-16L-40-T3-MDL014-
 A-BKT/5212-TFP6-3-.188-BKT
Notes:**Type:****TBD**

INDY24-115028

Specification Sheet
poles historic
 5200 Barrington

Option Flag Pole Holder	FH - Cast Aluminum flag holder mount, for use with 1" diameter flag pole
Option Banner Arms	SBA - Single Banner Arm, "PM" style mount, DBA - Double Banner Arms, "PM" style mount, SBAR - Single Banner Arm and Ring, for triangle banners, "PM" style mount, HSBA - Single Banner Arm, HUB mount style mount, HDBA - Double Banner Arms, HUB mount style mount, BDBA6 - Double Banner Arms, Break-Away style, to break with 60MPH wind gust, BDBA9 - Double Banner Arms, Break-Away style, to break with 90MPH wind gust, C5SBA - Single Banner Arm, Clamp-Style mount, for 5" diameter poles, C5DBA - Double Banner Arms at 180°, Clamp-Style mount, for 5" diameter poles
Option Planter Arms	DHPA - Double Hooked Planter Arm, SHPA - Single Hooked Planter Arm, DSPA - Double Stepped Planter Arm, SSPA - Single Stepped Planter Arm, PA478 - Cast aluminum decorative planter arm
Option Sign Arms	SA78 - Small cast aluminum decorative sign arm, with 24" long channel for blade sign by others, SA478 - Large cast aluminum decorative sign arm, with 24" long channel for blade sign by others, SABA - Banner arm style sign arm, with 24" long channel for blade sign by others
Option Speaker Hub	SH - Female threaded speaker hub, advise thread size
Option Sign Bracket	SB - Sign Bracket, vertically mounted on pole shaft
Option Steel Wreath Hook	WHK - Steel wreath hook
Finish	Black Textured, White Textured, Park Green Textured, Architectural Medium Bronze Textured, Dark Bronze Textured, Custom Match, Old Iron, Rust, Weathered Brown, Cedar, Weathered Black, Two Tone
Electrical and control	
Option Photocell	PCD - Electronic Button Photocontrol, mounted on an access door (120V-277V), PCD4 - Electronic Button Photocontrol, mounted on an access door (480V)

Job Name:

Bloomington Hospital Re-use - Hopewell West
 Landscape Architect: Rundell Ernstberger
 Associates (Indianapolis)

Catalog Number:

PT-A850SRLED-5P-16L-40-T3-MDL014-
 A-BKT/5212-TFP6-3-.188-BKT

Notes:**Type:****TBD**

INDY24-115028

Specification Sheet

poles historic
 5200 Barrington

Specifications

Construction	The base shall be made of heavy wall, 356 alloy cast aluminum. It shall have a 1" thick floor cast as an integral part of the base.
Tenon	Standard tenon size to be 3" OD x 3" tall. Consult factory for additional sizes.
Straight Smooth Shaft	The straight square shaft shall be made of ASTM 6061 extruded aluminum and tempered to a T6 condition.
Tapered Smooth Shaft	The tapered smooth shaft shall be made of ASTM 6063 extruded aluminum and tempered to a T6 condition.
Straight Fluted Shaft	The straight fluted shaft will have a 12 Flat Flute profile and shall be made of ASTM 6061 extruded aluminum and tempered to a T6 condition.
Tapered Fluted Shaft	The tapered fluted shaft will have a 16 Flat Flute profile and shall be made of heavy wall 356 alloy cast aluminum
Installation	Four 3/4" diameter, hot-dipped galvanized "L" type anchor bolts shall be provided with the post for anchorage, they shall be mounted in a 16" bolt circle. A door shall be provided for wiring and anchor bolt access. It shall be secured with stainless steel hardware. Post will be provided with a grounding stud mounted on the base floor opposite the access door.
Finish	6 Stage Polyester Powdercoat paint system
Warranty	5-year limited warranty (See Website for Terms and Conditions)
Direct Burial	(OPTIONAL) 4' direct burial portion of pole shaft extending below pole base. Includes "Slipping" base style which has set screws at the neck to tighten the base down to the pole shaft. Includes anti-rotational rod and (2) wire-way holes on direct burial portion.

Specification Sheet

poles historic
 5200 Barrington

EPA Chart(s)

EPA Chart Based on AASHTO 2009 - EPA values expressed in square feet - Consult factory for other heights

POLE HEIGHT	90 MPH	100 MPH	110 MPH	120 MPH	130 MPH	140 MPH	150 MPH
T5 5'-3" 5'-3" Smooth Tapered Shaft - 0.125" Wall Thickness							
8	8.50	6.75	5.53	4.60	3.89	3.32	2.87
10	6.12	4.78	3.89	3.21	2.69	2.28	1.96
12	4.51	3.44	2.76	2.25	1.86	1.56	1.32
14	3.31	2.43	1.91	1.52	1.23	1.01	0.83
16	2.35	1.61	1.22	0.94	0.72	0.56	
T5 5'-3" 5'-3" Smooth Tapered Shaft - 0.188" Wall Thickness							
10	9.41	7.45	6.09	5.06	4.27	3.64	3.14
12	7.20	5.62	4.56	3.77	3.15	2.67	2.29
14	5.58	4.27	3.43	2.80	2.32	1.95	1.65
16	4.33	3.21	2.54	2.04	1.67	1.37	1.14
18	3.30	2.34	1.81	1.42	1.12	0.89	0.72
T5 5'-3" 5'-3" Smooth Tapered Shaft - 0.25" Wall Thickness							
12	9.64	7.59	6.19	5.14	4.32	3.68	3.17
14	7.65	5.94	4.81	3.97	3.31	2.80	2.39
16	6.12	4.66	3.74	3.05	2.52	2.11	1.79
18	4.88	3.62	2.86	2.30	1.88	1.55	1.29
20	3.84	2.74	2.12	1.67	1.33	1.06	0.86
T6 6"-3" Smooth Tapered Shaft - 0.125" Wall Thickness							
10	9.42	7.55	6.18	5.14	4.33	3.70	3.19
12	7.18	5.72	4.65	3.84	3.22	2.73	2.34
14	5.54	4.37	3.52	2.88	2.39	2.01	1.70
16	4.26	3.32	2.63	2.12	1.74	1.44	1.20
18	3.21	2.45	1.90	1.50	1.19	0.96	0.78
T6 6"-3" Smooth Tapered Shaft - 0.188" Wall Thickness							
12	11.18	8.96	7.33	6.09	5.14	4.39	3.78
14	8.93	7.12	5.79	4.79	4.02	3.41	2.92
16	7.20	5.69	4.60	3.78	3.14	2.65	2.26
18	5.80	4.55	3.64	2.96	2.44	2.03	1.71
20	4.64	3.59	2.83	2.27	1.84	1.51	1.25
T6 6"-3" Smooth Tapered Shaft - 0.25" Wall Thickness							
14	12.05	9.64	7.88	6.54	5.51	4.70	4.05
16	9.90	7.88	6.41	5.30	4.44	3.77	3.23
18	8.19	6.48	5.23	4.30	3.58	3.02	2.57
20	6.78	5.32	4.26	3.47	2.86	2.39	2.01
22	5.58	4.33	3.43	2.76	2.25	1.85	1.54

Specification Sheet

poles historic
5200 Barrington

POLE HEIGHT	90 MPH	100 MPH	110 MPH	120 MPH	130 MPH	140 MPH	150 MPH
FP5 5" Straight Fluted Pole - 0.188" Wall Thickness							
8	21.78	17.40	14.16	11.69	9.77	8.25	7.02
10	16.27	12.87	10.34	8.43	6.93	5.75	4.79
12	12.63	9.84	7.78	6.21	4.99	4.02	3.24
14	10.00	7.64	5.89	4.56	3.53	2.71	2.05
16	7.96	5.92	4.41	3.26	2.36	1.65	1.08
18	6.32	4.52	3.18	2.17	1.38	0.75	
FP5 5" Straight Fluted Pole - 0.25" Wall Thickness							
10	21.31	16.94	13.71	11.26	9.35	7.83	6.60
12	16.75	13.18	10.54	8.53	6.96	5.72	4.72
14	13.48	10.46	8.23	6.52	5.20	4.15	3.30
16	10.99	8.37	6.43	4.95	3.81	2.90	2.16
18	8.99	6.68	4.97	3.67	2.65	1.85	1.20
20	7.33	5.26	3.73	2.57	1.66	0.95	
FP6 6" Straight Fluted Pole - 0.25" Wall Thickness							
12	25.31	20.03	16.13	13.16	10.85	9.02	7.54
14	20.58	16.12	12.82	10.31	8.35	6.80	5.55
16	17.00	13.13	10.27	8.09	6.40	5.05	3.97
18	14.15	10.74	8.21	6.29	4.80	3.61	2.66
20	11.81	8.76	6.50	4.78	3.44	2.38	1.52
22	9.83	7.07	5.02	3.47	2.26	1.30	0.52
P5 5" Straight Smooth Shaft - 0.125" Wall Thickness							
8	14.97	12.07	9.92	8.30	7.04	6.04	5.24
10	11.14	8.95	7.33	6.11	5.17	4.42	3.82
12	8.61	6.88	5.61	4.65	3.91	3.33	2.86
14	6.76	5.37	4.34	3.58	2.99	2.52	2.15
P5 5" Straight Smooth Shaft - 0.188" Wall Thickness							
10	16.69	13.44	11.05	9.23	7.82	6.71	5.82
12	13.15	10.55	8.65	7.20	6.09	5.20	4.50
14	10.61	8.48	6.92	5.74	4.83	4.11	3.54
16	8.67	6.89	5.59	4.61	3.86	3.27	2.80
P5 5" Straight Smooth Shaft - 0.250" Wall Thickness							
12	17.27	13.89	11.40	9.52	8.06	6.91	5.98
14	14.09	11.30	9.25	7.70	6.50	5.55	4.79
16	11.69	9.34	7.61	6.31	5.31	4.52	3.88
18	9.78	7.78	6.31	5.20	4.35	3.69	3.15
P6 6" Straight Smooth Shaft - 0.125" Wall Thickness							
12	13.34	10.71	8.78	7.32	6.17	5.19	4.40
14	10.79	8.64	7.05	5.86	4.91	4.08	3.41
16	8.86	7.05	5.73	4.73	3.94	3.22	2.64
18	7.31	5.78	4.67	3.83	3.16	2.52	2.01
P6 6" Straight Smooth Shaft - 0.188" Wall Thickness							
14	16.51	13.27	10.88	9.07	7.65	6.44	5.47
16	13.81	11.06	9.05	7.52	6.31	5.27	4.43
18	11.69	9.33	7.60	6.29	5.25	4.33	3.59
20	9.95	7.91	6.41	5.28	4.38	3.56	2.89
P6 6" Straight Smooth Shaft - 0.250" Wall Thickness							
16	18.37	14.76	12.10	10.09	8.50	7.15	6.07
18	15.71	12.59	10.29	8.56	7.18	5.99	5.04
20	13.55	10.82	8.82	7.31	6.11	5.04	4.19
22	11.76	9.35	7.59	6.26	5.20	4.24	3.47

Specification Sheet

poles historic
5200 Barrington

How to order

Base Model	Height (in feet)	Shaft	Wall Thickness	Post Center Cap
52 5200	8 8'	T5 T5: 5'-3" Tapered Smooth	.125 .125: 1/8" Wall Thickness	BCC BCC - Ball Center Cap
	10 10'	T54 T54: 5'-4" Tapered Smooth	.188 .188: 3/16" Wall Thickness	FCC FCC - Finial Center Cap
	12 12'	T6 T6: 6'-3" Tapered Smooth	.250 .250: 1/4" Wall Thickness	SCC SCC - Spike Center Cap
	14 14'	T64 T64: 6'-4" Tapered Smooth	C C: Cast Shaft, Varied Wall Thickness ⁽⁵⁾	TFCC TFCC - Tall Finial Center Cap
	14# 11in 14' 11"	P5 P5: 5" Straight Smooth		SSCC SSCC - Side Spike Center Cap
	16 16'	P6 P6: 6" Straight Smooth ⁽¹⁾		RCC RCC - Round Center Cap
	18 18'	FP5 FP5: 5" Straight Fluted ⁽¹⁾		PCC PCC - Plate Center Cap
	20 20'	FP6 FP6: 6" Straight Fluted ⁽²⁾		
	22 22'	TFP6 TFP6: 6'-3" Cast Tapered Fluted ⁽³⁾		
		EITFP6 EITFP6: 6'-3" Extruded Tapered Fluted ⁽⁴⁾		

Notes:

- 1. Not available in .125 wall.
- 2. Only available in .250 wall.
- 3. Heights limited to 10', 12' & 14' 11".

- 4. 20' Max Height.
- 5. For cast "TFP" shafts only.



Job Name:
Bloomington Hospital Re-use - Hopewell West
Landscape Architect: Rundell Ernstberger
Associates (Indianapolis)

Catalog Number:
PT-A850SRLED-5P-16L-40-T3-MDL014-
A-BKT/5212-TFP6-3-.188-BKT

Notes:

Type:

TBD

INDY24-115028

Specification Sheet

poles historic
5200 Barrington

How to order

Option Burial	Option Photocell	Option Receptacle	Option Flag Pole Holder	Option Banner Arms
<p>DB4 DB4 - Direct Burial mounting style pole, with 4' direct burial section (or advise other length)</p> <p>HXB HXB - Helix Base mounting style pole</p>	<p>PCD PCD - Electronic Button Photocontrol, mounted on an access door (120V-277V)</p> <p>PCD4 PCD4 - Electronic Button Photocontrol, mounted on an access door (480V)</p>	<p>GFI LPIUC GFI LPIUC - 15 Amp duplex GFCI receptacles with a low-profile in-use cover</p> <p>GFI IUC GFI IUC - 15 Amp duplex GFCI receptacles with a standard in-use cover</p> <p>USB LPIUC USB LPIUC - 15 Amp duplex USB/Receptacle combo with a low-profile in-use cover (NON-GFI)</p> <p>USB IUC USB IUC - 15 Amp duplex USB/Receptacle combo with a standard in-use cover (NON-GFI)</p> <p>GFI IB GFI IB - 15 Amp duplex GFCI receptacle in pole base, includes mouse hole on door for wire access</p> <p>USB IB USB IB - 15 Amp duplex USB/Receptacle combo in pole base, includes mouse hole on door for wire access (NON-GFI)</p> <p>GFB GFB - Remote Ground Fault Breaker installed in pole base (for use with NON-GFCI receptacles)</p>	<p>FH FH - Cast Aluminum flag holder mount, for use with 1" diameter flag pole</p>	<p>SBA SBA - Single Banner Arm, "PM" style mount</p> <p>DBA DBA - Double Banner Arms, "PM" style mount</p> <p>SBAR SBAR - Single Banner Arm and Ring, for triangle banners, "PM" style mount</p> <p>HSBA HSBA - Single Banner Arm, HUB mount style mount</p> <p>HDBA HDBA - Double Banner Arms, HUB mount style mount</p> <p>BDBA6 BDBA6 - Double Banner Arms, Break-Away style, to break with 60MPH wind gust</p> <p>BDBA9 BDBA9 - Double Banner Arms, Break-Away style, to break with 90MPH wind gust</p> <p>CSSBA CSSBA - Single Banner Arm, Clamp-Style mount, for 5" diameter poles ⁽⁴⁾</p> <p>CSDBA CSDBA - Double Banner Arms at 180°, Clamp-Style mount, for 5" diameter poles ⁽⁴⁾</p>

Notes:

4. Can only be used on P5 and FP5 shafts.

Submitted by ESL-Spectrum



Job Name:
Bloomington Hospital Re-use - Hopewell West
Landscape Architect: Rundell Ernstberger
Associates (Indianapolis)

Catalog Number:
PT-A850SRLED-5P-16L-40-T3-MDL014-
A-BKT/5212-TFP6-3-.188-BKT

Notes:

Type:

TBD

INDY24-115028

Specification Sheet

poles historic
5200 Barrington

How to order

Option Planter Arms	Option Sign Arms	Option Speaker Hub	Option Sign Bracket	Option Steel Wreath Hook	Finish
<p>DHPA DHPA - Double Hooked Planter Arm</p> <p>SHPA SHPA - Single Hooked Planter Arm</p> <p>DSPA DSPA - Double Stepped Planter Arm</p> <p>SSPA SSPA - Single Stepped Planter Arm</p> <p>PA478 PA478 - Cast aluminum decorative planter arm</p>	<p>SA78 SA78 - Small cast aluminum decorative sign arm, with 24" long channel for blade sign by others</p> <p>SA478 SA478 - Large cast aluminum decorative sign arm, with 24" long channel for blade sign by others</p> <p>SABA SABA - Banner arm style sign arm, with 24" long channel for blade sign by others</p>	<p>SH SH - Female threaded speaker hub, advise thread size</p>	<p>SB SB - Sign Bracket, vertically mounted on pole shaft</p>	<p>WHK WHK - Steel wreath hook</p>	<p>BKT Black Textured ⁽⁷⁾</p> <p>WHT White Textured ⁽⁷⁾</p> <p>PGT Park Green Textured ⁽⁷⁾</p> <p>ABZT Architectural Medium Bronze Textured ⁽⁷⁾</p> <p>DBT Dark Bronze Textured ⁽⁷⁾</p> <p>CM Custom Match ⁽⁸⁾</p> <p>OI Old Iron ⁽⁸⁾</p> <p>RT Rust ⁽⁸⁾</p> <p>WBR Weathered Brown ⁽⁸⁾</p> <p>CD Cedar ⁽⁸⁾</p> <p>WBK Weathered Black ⁽⁸⁾</p> <p>TT Two Tone ⁽⁸⁾</p>

Notes:

7. Smooth finishes are available upon request.

8. Custom colors require upcharge.



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www.sternberglighting.com/products/134

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Date: Jun 3, 2024

ESL-Spectrum
1591 N Harding Street
Indianapolis IN 46202
Phone: (317) 951-2300
Fax: (317) 951-2310

Job Name
Bloomington Hospital Re-use - Hopewell West
INDY24-115028
Bloomington IN

Bid Date
Feb 1, 2024

Submittal Date
Jun 3, 2024

Landscape Architect:
Rundell Ernstberger Associates
618 E. Market St.
Indianapolis IN 46202



Transmittal

ESL-Spectrum
1591 N Harding Street
Indianapolis IN 46202
Phone: (317) 951-2300
From: Scott Parkinson

Project **Bloomington Hospital Re-use - Hopewell West**

Quote# INDY24-115028

Location Bloomington IN
 Contact:

ATTACHED WE ARE SENDING YOU 1 COPY OF THE FOLLOWING ITEM:

- | | | |
|-----------------------------------|---|--------|
| <input type="checkbox"/> Drawings | <input type="checkbox"/> Specifications | Other: |
| <input type="checkbox"/> Prints | <input type="checkbox"/> Information | |
| <input type="checkbox"/> Plans | <input type="checkbox"/> Submittals | |

THESE ARE TRANSMITTED FOR:

- | | | |
|--|---|---------------------------------|
| <input type="checkbox"/> Prior Approval | <input type="checkbox"/> Resubmittal for Approval | <input type="checkbox"/> Record |
| <input type="checkbox"/> Approval | <input type="checkbox"/> Corrections | Bids due on: |
| <input type="checkbox"/> Approval as Submitted | <input type="checkbox"/> Your Use | Other: |
| <input type="checkbox"/> Approval as Noted | <input type="checkbox"/> Review and Comment | |

Type	MFG	Part
TBD	Sternberg	PT-A850SRLED-5P-16L-40-T3-MDL014-A-BKT/5212-TFP6-3-.188-BKT

Arne Area Light



Specification Sheet | AR1P



Arne's formal simplicity has international appeal and complements both traditional and contemporary architecture. Inspired by the work of renowned Danish architect and designer Arne Jacobsen, Arne offers multiple functions and styles for a range of applications. Arne provides full 360° rotation and tilt capabilities to efficiently light all aspects of the environment, from walkways and architectural structures to monuments and landscapes.

Housing & Materials

Cast aluminum construction with tempered glass diffuser lens and a threaded weatherproof cord grip. Housing features polymer sealing gasket and stainless steel hardware.

Electrical

120V - 277V, 50/60 Hz electronic driver. 0-10V dimming as standard (DALI dimmable upon request). -40°C start temperature. Available with optional ANSI C136.41 receptacle, shipped loose (receptacle to be located at pole top). See install guide for electrical cable size parameters.

Light Engine

High powered LEDs mounted to a RoHS compliant circuit board with PMMA optics affixed to each LED on the board. Available in 3000K and 4000K. >80 CRI across all available color temperatures.

Warranty

Urbidermis guarantees the composition and performance features of all material that shape the product for a period of three years. Electrical components including LED boards and electronic drivers are guaranteed for a period of five years.

Certification

UL Listed for Wet Location, CE, RoHS Compliant



Designed by Urbidermis

Distributions



Wide Flood



Flood



Medium



Spot Flood



TII



TIII



TIV



TV



TII+I

Job Name:Bloomington Hospital Re-use - Hopewell West
Landscape Architect: Rundell Ernstberger
Associates (Indianapolis)**Catalog Number:**AR1P-18-C-2-WF-MBK/ARA-02 (13' AFG @ 90
DEGREES & 270 DEGREES) RTA-14-B-5-A-4-MBK-
BC-PC**Notes:****Type:****S2A**

INDY24-115028

Arne Area Light

landscapeforms®

Specification Sheet | AR1P**Project Information**

Project Name _____

Catalog Number _____

Fixture Type _____

Luminaire

Product	LED Configuration	Drive Current	Color Temperature	Distribution	Lens	Powdercoat
AR1P	18	A (350mA)	1 (3000K)	WF (70° Wide Flood)	Null (Clear)	See powdercoat color options on the Material / Colors Sheet. MBK
	36	B (500mA)	2 (4000K)	F (45° Flood)	O (Opal/Diffused)	
C (700mA)			M (35° Medium)			
			S (15° Spot Flood)			
			TII (Type 2)			
			TIII (Type 3)			
			TIV (Type 4)			
			TV (Type 5)			
			TII+II (Quad Oval)			

Example: AR1P-36-B-1-WF-O - Powdercoat

Mounting Brackets

Product	Bracket
ARA	01 (Single Column)
	02 (Double Column)
	05 (Single Arm)
	06 (Double Arm)

Example: ARA - 02 - Powdercoat

Luminaire Accessories

Product	Accessory
ARA	Null (No Shade)
	11 (Shade)

Example: ARA - 11

Job Name:

Bloomington Hospital Re-use - Hopewell West
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Catalog Number:

AR1P-18-C-2-WF-MBK/ARA-02 (13' AFG @ 90
DEGREES & 270 DEGREES) RTA-14-B-5-A-4-MBK-
BC-PC

Notes:

Type:

S2A

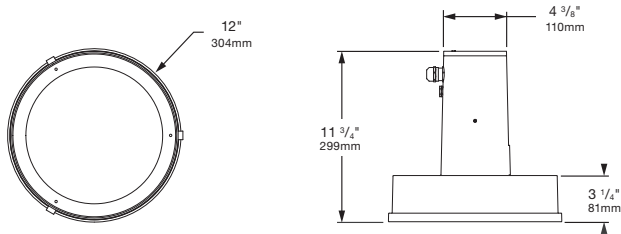
INDY24-115028

Arne Area Light



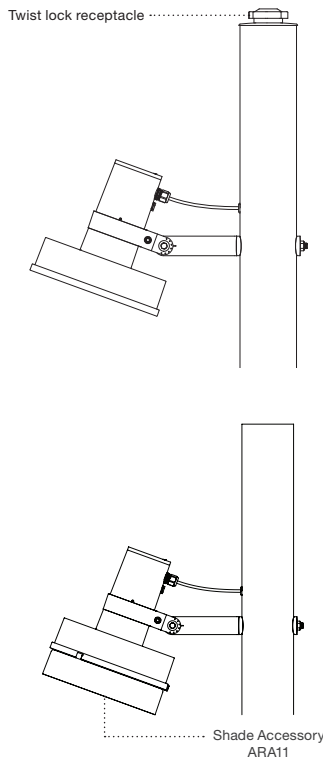
Specification Sheet | AR1P

Luminaire Dimensions



Weight: 14 lbs (luminaire only)
 EPA: 0.58 ft²
 TM21 L70(10k): >50,000 hrs
 Protection Class: IP66

Luminaire & Pole Accessories



Shade Accessory

Shade is constructed of thermoformed PMMA and attaches to the luminaire with stainless steel springs in three locations.

Arne Area Light



Specification Sheet | AR1P

Performance Data

Model	Watts	LED Quantity	Color Temp	Drive Current	Wide Flood (WF) 70° Beam Angle			Flood (F) 45° Beam Angle		
					Lumen Output*	Efficacy*	BUG Rating	Lumen Output*	Efficacy*	BUG Rating
AR1P18A1xx	21	18	3000	350mA	2211	101	B2-U0-G0	2385	109	B2-U0-G0
AR1P18B1xx	30			500mA	3115	102	B2-U0-G0	3361	110	B3-U0-G0
AR1P18C1xx	40			700mA	4033	95	B2-U0-G0	4352	103	B3-U0-G0
AR1P18A2xx	21		4000	350mA	2481	113	B2-U0-G0	2677	122	B2-U0-G0
AR1P18B2xx	30			500mA	3496	115	B2-U0-G0	3772	124	B3-U0-G0
AR1P18C2xx	40			700mA	4527	107	B2-U0-G0	4885	115	B3-U0-G0
AR1P36A1xx	40	36	3000	350mA	4186	103	B3-U0-G0	4517	112	B3-U0-G0
AR1P36B1xx	56			500mA	5805	101	B3-U0-G0	6264	110	B3-U0-G0
AR1P36C1xx	78			700mA	7517	94	B3-U0-G0	8111	102	B4-U0-G0
AR1P36A2xx	40		4000	350mA	4698	116	B3-U0-G0	5069	125	B3-U0-G0
AR1P36B2xx	56			500mA	6515	114	B3-U0-G0	7030	123	B3-U0-G0
AR1P36C2xx	78			700mA	8436	106	B3-U0-G0	9103	114	B4-U0-G0

This data is subject to change.

*Apply 0.93 multiplier for opal / diffused lens option.

Model	Watts	LED Quantity	Color Temp	Drive Current	Medium (M) 35° Beam Angle			Spot (S) 15° Beam Angle		
					Lumen Output*	Efficacy*	BUG Rating	Lumen Output*	Efficacy*	BUG Rating
AR1P18A1xx	21	18	3000	350mA	2331	106	B2-U0-G0	2287	104	B3-U0-G0
AR1P18B1xx	30			500mA	3284	108	B3-U0-G0	3223	106	B3-U0-G0
AR1P18C1xx	40			700mA	4252	101	B3-U0-G0	4174	99	B3-U0-G0
AR1P18A2xx	21		4000	350mA	2616	119	B2-U0-G0	2567	117	B3-U0-G0
AR1P18B2xx	30			500mA	3686	121	B3-U0-G0	3618	119	B3-U0-G0
AR1P18C2xx	40			700mA	4773	113	B3-U0-G0	4684	111	B3-U0-G0
AR1P36A1xx	40	36	3000	350mA	4413	109	B3-U0-G0	4331	107	B3-U0-G0
AR1P36B1xx	56			500mA	6120	107	B3-U0-G0	6007	105	B4-U0-G0
AR1P36C1xx	78			700mA	7925	99	B4-U0-G1	7778	97	B4-U0-G0
AR1P36A2xx	40		4000	350mA	4953	122	B3-U0-G0	4861	120	B3-U0-G0
AR1P36B2xx	56			500mA	6869	120	B3-U0-G0	6742	118	B4-U0-G0
AR1P36C2xx	78			700mA	8894	111	B4-U0-G1	8729	109	B4-U0-G0

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DEGREES & 270 DEGREES) RTA-14-B-5-A-4-MBK-
BC-PC**Notes:****Type:****S2A**

INDY24-115028

Arne Area Light



Specification Sheet | AR1P

Performance Data (cont.)

Model	Watts	LED Quantity	Color Temp	Drive Current	Type II (TII) IES Type II			Type III (TIII) IES Type III		
					Lumen Output*	Efficacy*	BUG Rating	Lumen Output*	Efficacy*	BUG Rating
AR1P18A1xx	21	18	3000	350mA	2114	101	B1-U0-G1	1991	91	B1-U0-G1
AR1P18B1xx	30			500mA	2980	99	B1-U0-G1	5805	92	B1-U0-G1
AR1P18C1xx	40			700mA	3858	96	B1-U0-G1	3632	86	B1-U0-G1
AR1P18A2xx	21		4000	350mA	2373	113	B1-U0-G1	2234	102	B1-U0-G1
AR1P18B2xx	30			500mA	3344	111	B1-U0-G1	3148	103	B1-U0-G1
AR1P18C2xx	40			700mA	4330	108	B1-U0-G1	4077	96	B1-U0-G1
AR1P36A1xx	40	36	3000	350mA	4004	100	B1-U0-G1	3770	93	B1-U0-G1
AR1P36B1xx	56			500mA	5553	99	B1-U0-G1	5228	91	B1-U0-G1
AR1P36C1xx	78			700mA	7190	93	B2-U0-G2	6769	85	B2-U0-G2
AR1P36A2xx	40		4000	350mA	4494	112	B1-U0-G1	4231	104	B1-U0-G1
AR1P36B2xx	56			500mA	6232	111	B2-U0-G2	5867	103	B2-U0-G2
AR1P36C2xx	78			700mA	8069	104	B2-U0-G2	7597	95	B2-U0-G2

This data is subject to change.

*Apply 0.93 multiplier for opal / diffused lens option.

Model	Watts	LED Quantity	Color Temp	Drive Current	Type IV (TIV) IES Type IV			Type V (TV) IES Type V		
					Lumen Output*	Efficacy*	BUG Rating	Lumen Output*	Efficacy*	BUG Rating
AR1P18A1xx	21	18	3000	350mA	2036	93	B1-U0-G1	2293	105	B1-U0-G0
AR1P18B1xx	30			500mA	2869	94	B1-U0-G1	3232	106	B2-U0-G0
AR1P18C1xx	40			700mA	3714	88	B1-U0-G1	4185	99	B2-U0-G0
AR1P18A2xx	21		4000	350mA	2285	104	B1-U0-G1	2574	118	B1-U0-G0
AR1P18B2xx	30			500mA	3219	106	B1-U0-G1	3627	119	B2-U0-G0
AR1P18C2xx	40			700mA	4169	99	B1-U0-G1	4696	111	B2-U0-G0
AR1P36A1xx	40	36	3000	350mA	3855	95	B1-U0-G1	4343	107	B2-U0-G0
AR1P36B1xx	56			500mA	5346	93	B1-U0-G1	6023	105	B2-U0-G1
AR1P36C1xx	78			700mA	6922	87	B1-U0-G1	7799	98	B3-U0-G1
AR1P36A2xx	40		4000	350mA	4326	107	B1-U0-G1	4874	120	B2-U0-G1
AR1P36B2xx	56			500mA	6000	105	B1-U0-G1	6759	118	B2-U0-G1
AR1P36C2xx	78			700mA	7769	97	B2-U0-G2	8752	110	B3-U0-G1

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DEGREES & 270 DEGREES) RTA-14-B-5-A-4-MBK-
BC-PC**Notes:****Type:****S2A**

INDY24-115028

Arne Area Light



Specification Sheet | AR1P

Performance Data (cont.)

Model	Watts	LED Quantity	Color Temp	Drive Current	Type II+II --		
					Lumen Output *	Efficacy *	BUG Rating
AR1P18A1xx	21	18	3000	350mA	2114	97	B1-U0-G1
AR1P18B1xx	30			500mA	2980	98	B1-U0-G1
AR1P18C1xx	40			700mA	3858	91	B2-U0-G1
AR1P18A2xx	21		4000	350mA	2373	108	B1-U0-G1
AR1P18B2xx	30			500mA	3344	110	B1-U0-G1
AR1P18C2xx	40			700mA	4330	102	B2-U0-G1
AR1P36A1xx	40	36	3000	350mA	4004	99	B2-U0-G1
AR1P36B1xx	56			500mA	5553	97	B2-U0-G2
AR1P36C1xx	78			700mA	7190	90	B2-U0-G2
AR1P36A2xx	40		4000	350mA	4494	111	B2-U0-G2
AR1P36B2xx	56			500mA	6232	109	B2-U0-G2
AR1P36C2xx	78			700mA	8069	101	B2-U0-G2

This data is subject to change.

*Apply 0.93 multiplier for opal / diffused lens option.

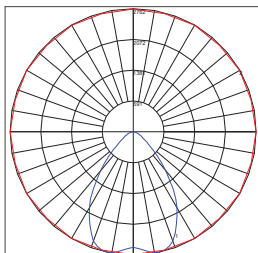
Arne Area Light



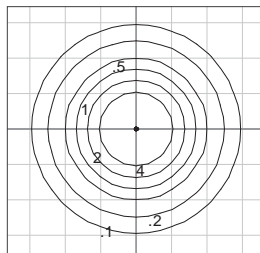
Specification Sheet | AR1P

AR1P36A1WF

36 LED Luminaire, 350mA, 3000K, Wide Flood, Clear Lens



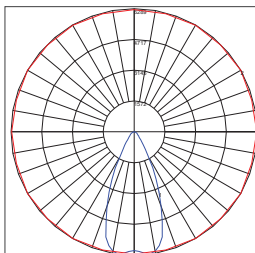
Maximum Candela=2762.13
 Located at Horizontal Angle=360,
 Vertical Angle=12.5



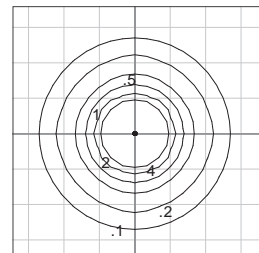
17 ft (5.4m) pole, single luminaire
 depicted and 10 ft (3.1m) grid spacing
 depicted.

AR1P36A1F

36 LED Luminaire, 350mA, 3000K, Flood, Clear Lens



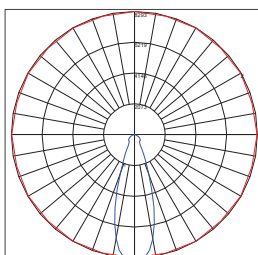
Maximum Candela=6289.41
 Located at Horizontal Angle=330,
 Vertical Angle=7.5



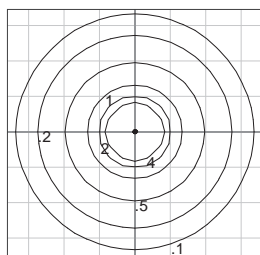
17 ft (5.4m) pole, single luminaire
 depicted and 10 ft (3.1m) grid spacing
 depicted.

AR1P36A1M

36 LED Luminaire, 350mA, 3000K, Medium, Clear Lens



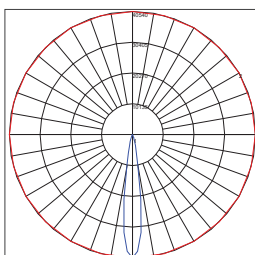
Maximum Candela=8292.66
 Located at Horizontal Angle=270,
 Vertical Angle=2.5



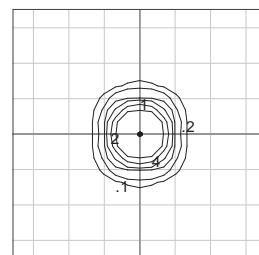
17 ft (5.4m) pole, single luminaire
 depicted and 10 ft (3.1m) grid spacing
 depicted.

AR1P36A1S

36 LED Luminaire, 350mA, 3000K, Spot, Clear Lens



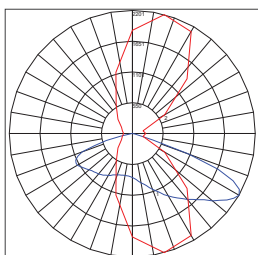
Maximum Candela=40540.24
 Located at Horizontal Angle=360,
 Vertical Angle=0



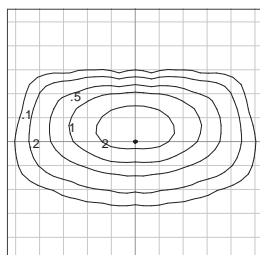
17 ft (5.4m) pole, single luminaire
 depicted and 10 ft (3.1m) grid spacing
 depicted.

AR1P36A1TII

36 LED Luminaire, 350mA, 3000K, Type II, Clear Lens



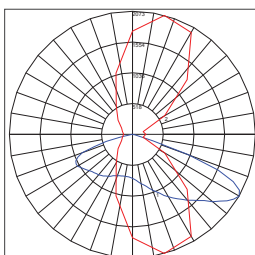
Maximum Candela=2201.26
 Located at Horizontal Angle=75,
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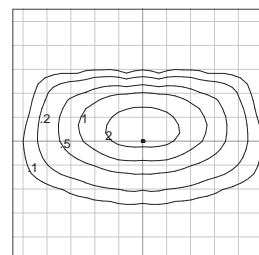
17 ft (5.4m) pole, single luminaire
 depicted and 10 ft (3.1m) grid spacing
 depicted.

AR1P36A1TIII

36 LED Luminaire, 350mA, 3000K, Type III, Clear Lens



Maximum Candela=2072.62
 Located at Horizontal Angle=75,
 Vertical Angle=60



17 ft (5.4m) pole, single luminaire
 depicted and 10 ft (3.1m) grid spacing
 depicted.

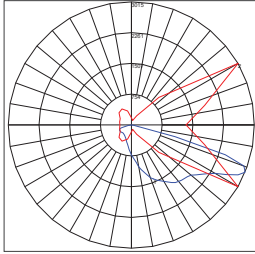
Arne Area Light



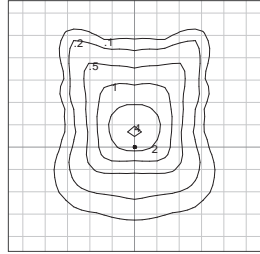
Specification Sheet | AR1P

AR1P36A1TIV

36 LED Luminaire, 350mA, 3000K, Type IV, Clear Lens



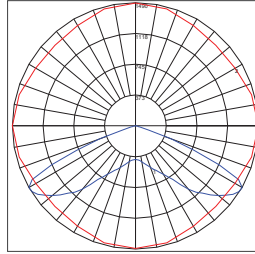
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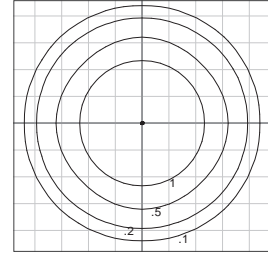
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depicted and 10 ft (3.1m) grid spacing
depicted.

AR1P36A1TV

36 LED Luminaire, 350mA, 3000K, Type V, Clear Lens



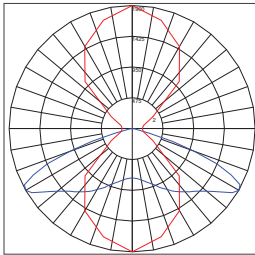
Maximum Candela=1490.13
Located at Horizontal Angle=360,
Vertical Angle=60



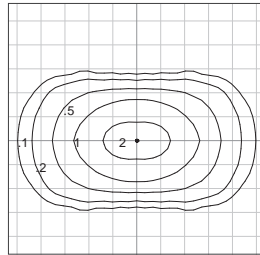
17 ft (5.4m) pole, single luminaire
depicted and 10 ft (3.1m) grid spacing
depicted.

AR1P36A1TII+II

36 LED Luminaire, 350mA, 3000K, Type II+II, Clear Lens



Maximum Candela=1900.4
Located at Horizontal Angle=270,
Vertical Angle=60



17 ft (5.4m) pole, single luminaire
depicted and 10 ft (3.1m) grid spacing
depicted.

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Associates (Indianapolis)

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DEGREES & 270 DEGREES) RTA-14-B-5-A-4-MBK-
BC-PC

Notes:**Type:****S2A**

INDY24-115028

Arne Area Light



Material / Colors Sheet | AR1P

Neutral Series - Powdercoated Metal* (Poles Only)**



BLK (Gloss Black)



SIL (Silver Metallic)



TNM (Titanium Metallic)



MER (Mercury Metallic)***

Architectural Series - Powdercoated Metal* (Fine Texture, Poles Only)**



MBK (Matte Black)



DSK (Dusk)

Luminaire and Mounting Brackets*



ALS (Aluminum Silver)



DSK (Dusk)

Powdercoated Metal

Urbidermis luminaire and mounting brackets are powdercoated using a thermal coating finish with C3 anti-corrosive protection.

Urbidermis luminaire and mounting brackets, in addition to the poles, can be specified with Landscape Forms' Powdercoated Metal Pangard II@ Polyester Powdercoat.

The Powdercoated Metal Pangard II@ Polyester Powdercoat is a hard, yet flexible, finish that resists rusting, chipping, peeling and fading. In addition to colors shown, a wide selection of optional and custom colors may be specified for an upcharge.

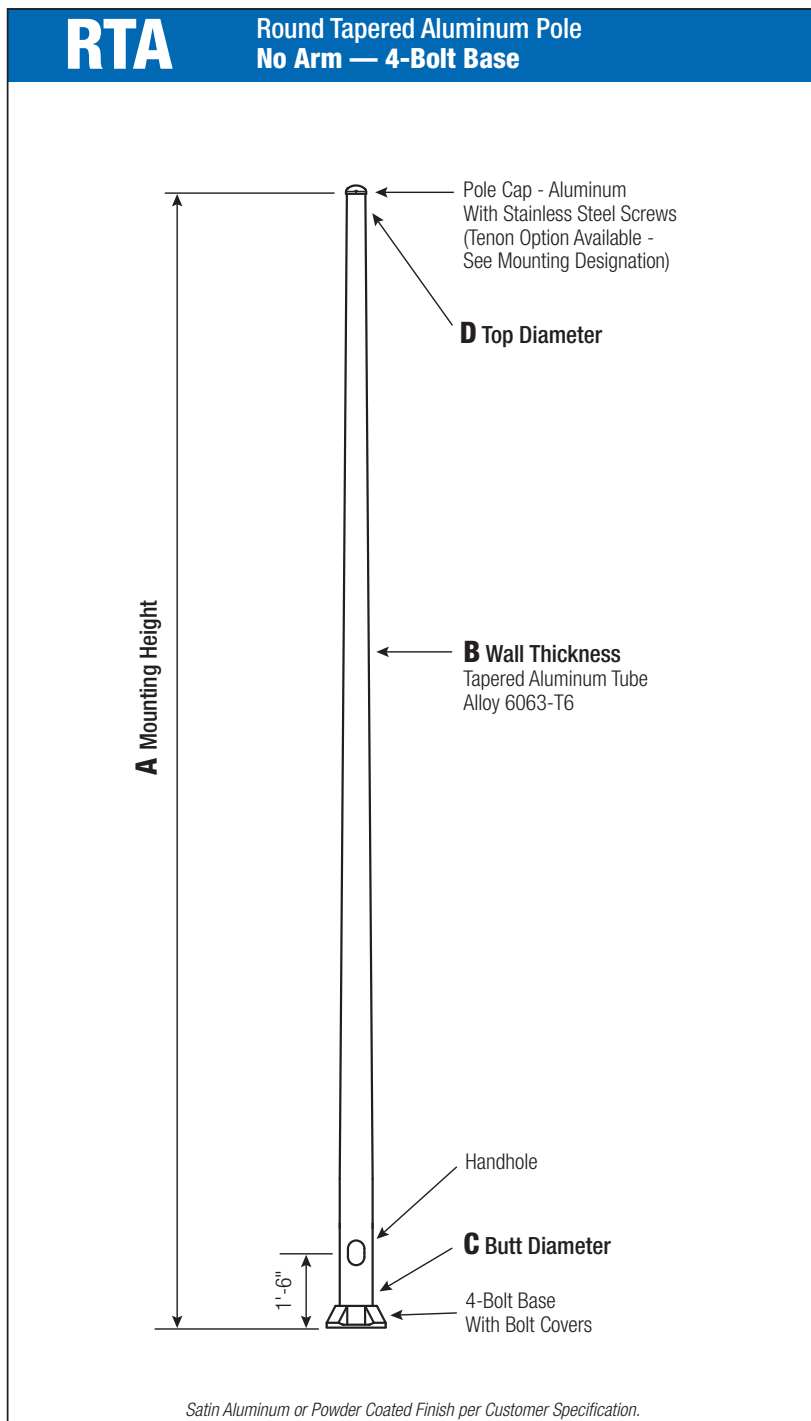
* Luminaire and mounting brackets colors shown are the color options offered from Urbidermis.

** All colors and patterns shown are approximate and may vary from sample and final.

*** Mercury from Landscape Forms is our recommended color match for Aluminum Silver from Urbidermis Santa & Cole.

Visit landscapeforms.com for more information. Specifications are subject to change without notice. Landscape Forms supports the Landscape Architecture Foundation at the Second Century level.
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C BUTT DIA.	D TOP DIA.	F BOLT CIR. DIA.	G BASE SQ.	H BOLT PROJ.	I BOLT SIZE
4	3	6.5 - 8	7.5	2	.75 x 17 x 3
5	3	7.5 - 8	7.5	2	.75 x 17 x 3
6	4.5	9 - 10	9.75	2.75	.75 x 30 x 3*
7	4.5	10 - 11	10.5	2.75	1 x 36 x 4
8	4.5	11 - 12	11.25	2.75	1 x 36 x 4
9	4.5	12.5 - 14	12.75	2.75	1 x 36 x 4
10 Up To .250"	6	14 - 15	14	3.25	1 x 48 x 4
10 .312"	6	14 - 15	14	3.25	1.25 x 48 x 6

*1" x 36" x 4" Anchor Bolts can be specified for 6" butt diameter poles. Dimensions in Inches

Pole
The pole shaft will be constructed of seamless extruded tube of 6063 Aluminum Alloy per the requirements of ASTM B221. The shaft assembly shall be full-length heat treated after base weld to produce a T6 temper.

Base Style
4-Bolt Cast Aluminum Base Flange of Alloy 356-T6 with Aluminum Bolt Covers (Alloy 356-F) and Stainless Steel Hex Head Attaching Screws.

Handhole
4"-5" Butt Diameters - 2" x 4" Handhole with curved Lap Style Aluminum Door and two (2) SS Self-Tapping Attaching Screws. A Grounding Provision incorporating a tapped 1/4"-20NC hole is provided.
6" Butt Diameter - Reinforced, 3" x 5" curved Cast Aluminum Frame (Alloy 356-T6) with Aluminum Door and two (2) SS Hex Head Screws. A Grounding Provision incorporating a 3/8" diameter hole is provided opposite the Handhole.
7"+ Butt Diameters - Reinforced, 4" x 6" curved Cast Aluminum Frame (Alloy 356-T6) with Aluminum Door and two (2) SS Hex Head Screws. Reinforced Frame will contain a tapped 3/8"-16NC Grounding Provision.

Anchorage
Anchorage Kit will include four (4) L-shaped Steel Anchor Bolts conforming to AASHTO M314-90 Grade 55. Ten inches (10") of threaded end will be galvanized per ASTM A153. Kits will contain four (4) Hex Nuts, four (4) Lock Washers, and four (4) Flat Washers (all components Galvanized Steel). A bolt circle template will be provided.

Vibration Damper
When determined necessary by Hapco, a Vibration Damper will be factory-installed inside the pole shaft. Customer specification of the damper is available.

Mounting Designation
Side Drill Mount
For Side Drill Mount applications specify luminaire type, quantity and orientation. A luminaire drilling template must be supplied at time of order.

Tenon Mount - Welded or Spun
For Tenon Mount applications specify both Tenon diameter (2.375", 2.875", 3.5", etc.) and length (3", 4", etc.). Tenon style is factory option. Welded Tenon can be specified.

Job Name:

Bloomington Hospital Re-use - Hopewell West
Landscape Architect: Rundell Ernstberger
Associates (Indianapolis)

Catalog Number:

AR1P-18-C-2-WF-MBK/ARA-02 (13' AFG @ 90
DEGREES & 270 DEGREES) RTA-14-B-5-A-4-MBK-
BC-PC

Notes:

Type:

S2A

INDY24-115028

A Mtg. Hgt.	B WALL THICKNESS	C BUTT DIAMETER	TOTAL LUM. WEIGHT	MAXIMUM EPA					OLD CAT. NUMBER	CATALOG NUMBER
				90	100	110	120	130		
06	0.125"	4	100	17.6	14.2	13.2	11.0	9.2	78-001	RTA06B4A4-**
08	0.125"	4	100	11.8	9.4	8.6	7.0	5.8	78-002	RTA08B4A4-**
08	0.188"	4	100	17.2	13.8	12.8	10.6	8.8	78-015	RTA08D4A4-**
10	0.125"	4	75	8.4	6.6	6.0	4.8	4.0	78-003	RTA10B4A4-**
10	0.188"	4	100	12.6	10.0	9.2	7.4	6.2		RTA10D4A4-**
10	0.125"	5	100	16.6	13.0	12.2	10.0	8.2	78-012	RTA10B5A4-**
10	0.188"	5	100	24.6	19.6	18.2	15.2	12.6		RTA10D5A4-**
12	0.125"	4	50	6.4	4.8	4.4	3.4	2.6	78-004	RTA12B4A4-**
12	0.188"	4	85	9.6	7.4	6.8	5.6	4.4	78-018	RTA12D4A4-**
12	0.125"	5	100	12.6	10.0	9.2	7.4	6.0	78-009	RTA12B5A4-**
12	0.156"	5	100	16.0	12.6	11.6	9.6	7.8	78-009W3	RTA12C5A4-**
12	0.188"	5	100	19.2	15.2	14.2	11.6	9.6	78-009W4	RTA12D5A4-**
14	0.125"	4	25	4.8	3.6	3.2	2.4	1.8	78-005	RTA14B4A4-**
14	0.188"	4	60	7.6	5.8	5.2	4.0	3.2	78-019	RTA14D4A4-**
14	0.125"	5	90	10.0	7.6	7.0	5.6	4.4	78-010	RTA14B5A4-**
14	0.156"	5	100	12.8	9.8	9.0	7.4	6.0	78-021	RTA14C5A4-**
14	0.188"	5	100	15.4	12.0	11.2	9.0	7.4	78-022	RTA14D5A4-**
16	0.188"	4	35	6.0	4.4	4.0	3.0	2.2	78-027	RTA16D4A4-**
16	0.125"	5	60	8.0	6.0	5.4	4.2	3.2	78-011	RTA16B5A4-**
16	0.156"	5	85	10.2	7.8	7.2	5.6	4.6	78-029	RTA16C5A4-**
16	0.156"	5	90	9.8	7.4	6.6	5.2	4.4	51-002S48	RTA16C5B4-**
16	0.188"	5	100	12.6	9.8	9.0	7.2	5.8	78-030	RTA16D5A4-**
16	0.188"	6	100	24.2	19.0	17.6	14.6	12.2		RTA16D6B4-**
18	0.125"	5	40	6.4	4.6	4.2	3.0	2.2	78-007	RTA18B5A4-**
18	0.156"	5	60	8.2	6.2	5.6	4.2	3.4	78-031	RTA18C5A4-**
18	0.188"	5	85	10.2	7.8	7.0	5.4	4.4	78-032	RTA18D5A4-**
18	0.156"	6	100	16.2	12.4	11.6	9.4	7.8		RTA18C6B4-**
18	0.188"	6	100	20.0	15.6	14.4	11.8	10.0		RTA18D6B4-**
18	0.156"	7	100	24.0	18.8	17.4	14.4	12.0		RTA18C7B4-**
20	0.125"	5	30	5.0	3.4	3.0	2.0	1.4	78-008	RTA20B5A4-**
20	0.156"	5	40	6.6	4.8	4.2	3.2	2.2	78-033	RTA20C5A4-**
20	0.188"	5	55	8.4	6.2	5.6	4.2	3.2		RTA20D5A4-**
20	0.125"	6	85	10.0	7.4	6.8	5.4	4.4	51-001	RTA20B6B4-**
20	0.156"	6	100	13.2	10.0	9.2	7.4	6.2	51-002	RTA20C6B4-**
20	0.188"	6	100	16.6	12.8	11.8	9.6	8.0	51-003	RTA20D6B4-**
20	0.156"	7	100	20.2	15.6	14.4	11.8	10.0	51-004	RTA20C7B4-**
20	0.188"	7	100	24.8	19.6	18.0	14.8	12.4	51-005	RTA20D7B4-**
20	0.156"	8	100	28.0	22.2	20.6	17.0	14.2	51-006	RTA20C8B4-**
20	0.188"	8	100	34.4	27.2	25.4	21.0	17.6	51-007	RTA20D8B4-**
25	0.156"	6	60	8.0	5.6	5.0	4.0	3.2	51-062	RTA25C6B4-**
25	0.188"	6	85	10.4	7.6	7.0	5.4	4.4	51-063	RTA25D6B4-**
25	0.156"	7	100	13.0	9.8	9.0	7.2	5.8	51-064	RTA25C7B4-**
25	0.188"	7	100	16.6	12.8	11.6	9.4	7.8	51-065	RTA25D7B4-**
25	0.156"	8	100	19.0	14.8	13.6	11.0	9.2	51-066	RTA25C8B4-**
25	0.188"	8	100	23.8	18.6	17.2	14.0	11.8	51-067	RTA25D8B4-**
25	0.219"	8	100	28.4	22.2	20.6	17.0	14.2	51-068	RTA25E8B4-**
25	0.250"	8	100	32.8	25.8	24.0	19.8	16.6	51-069	RTA25F8B4-**
25	0.156"	9	100	25.8	20.2	18.8	15.4	13.0		RTA25C9B4-**
25	0.156"	10	100	33.6	27.0	25.0	20.8	17.4		RTA25C1C4-**
30	0.156"	7	60	8.4	5.8	5.2	4.0	3.0	51-124	RTA30C7B4-**
30	0.188"	7	90	11.0	8.0	7.2	5.6	4.6	51-125	RTA30D7B4-**
30	0.156"	8	100	13.0	9.6	8.8	7.0	5.6	51-126	RTA30C8B4-**
30	0.188"	8	100	16.8	12.6	11.6	9.4	7.6	51-127	RTA30D8B4-**
30	0.219"	8	100	20.4	15.6	14.4	11.6	9.6	51-128	RTA30E8B4-**
30	0.250"	8	100	23.8	18.4	17.0	13.8	11.6	51-129	RTA30F8B4-**
30	0.188"	9	100	23.2	18.0	16.6	13.6	11.4	51-131	RTA30D9B4-**
30	0.250"	9	100	32.4	25.6	23.6	19.6	16.4	51-133	RTA30F9B4-**
30	0.188"	10	100	30.8	24.4	22.8	18.8	15.8	51-139	RTA30D1C4-**
30	0.250"	10	100	42.4	33.8	31.6	26.2	22.0	51-141	RTA30F1C4-**
35	0.156"	8	55	8.6	6.0	5.4	4.0	3.0	51-186	RTA35C8B4-**
35	0.188"	8	90	11.6	8.4	7.6	5.8	4.6	51-187	RTA35D8B4-**
35	0.219"	8	100	14.4	10.8	9.8	7.6	6.2	51-188	RTA35E8B4-**
35	0.250"	8	100	17.4	13.0	12.0	9.6	7.8	51-189	RTA35F8B4-**
35	0.188"	9	100	16.8	12.8	11.6	9.4	7.6	51-191	RTA35D9B4-**
35	0.250"	9	100	24.4	19.0	17.4	14.2	11.8	51-193	RTA35F9B4-**
35	0.188"	10	100	23.0	18.2	16.8	13.8	11.4	51-199	RTA35D1C4-**
35	0.219"	10	100	27.8	22.0	20.4	16.8	14.0	51-200	RTA35E1C4-**
35	0.250"	10	100	32.6	25.8	24.0	19.8	16.6	51-201	RTA35F1C4-**
35	0.312"	10	100	41.8	33.4	31.0	25.6	21.6	51-202	RTA35G1C4-**
40	0.188"	8	40	7.8	5.2	4.6	3.2	2.4	51-247	RTA40D8B4-**
40	0.219"	8	70	10.0	7.0	6.2	4.6	3.6	51-248	RTA40E8B4-**
40	0.250"	8	95	12.4	8.8	8.0	6.2	4.8	51-249	RTA40F8B4-**
40	0.188"	9	95	11.8	8.6	7.8	6.0	4.8	51-251	RTA40D9B4-**
40	0.250"	9	100	18.2	13.8	12.6	10.2	8.2	51-253	RTA40F9B4-**
40	0.188"	10	100	17.0	13.2	12.2	9.8	8.0	51-259	RTA40D1C4-**
40	0.219"	10	100	21.2	16.6	15.4	12.4	10.2	51-260	RTA40E1C4-**
40	0.250"	10	100	25.2	19.8	18.4	15.0	12.4	51-261	RTA40F1C4-**
40	0.312"	10	100	33.0	26.2	24.2	20.0	16.6	51-262	RTA40G1C4-**

Catalog Number System

The catalog number for Hapco poles utilizes the following identification system.

MOUNTING BUTT BASE
HEIGHT DIA STYLE
RTA-14-B-5-A-4-BA-BC-PC

SHAFT WALL TOP FINISH
ASSEMBLY THICK DIA
RTA 30 D 8 B 4 - 01

Catalog Number Example -

RTA 30 D 8 B 4 - 01
Round Tapered Aluminum, 30" Mounting Height,
.188" Wall Thickness, 8" Butt Diameter, 4.5" Top
Diameter, 4-Bolt Base, Satin Aluminum Finish

Wall Thickness

- B = .125"
- C = .156"
- D = .188"
- E = .219"
- F = .250"
- G = .312"

Butt Diameter

- 4 = 4"
- 5 = 5"
- 6 = 6"
- 7 = 7"
- 8 = 8"
- 9 = 9"
- 1 = 10"

Top Diameter

- A = 3"
- B = 4.5"
- C = 6"

Base Style

- 4 = 4-Bolt Base

Finish

- O1 = Satin Aluminum
- BA = Black Powder Coat
- BH = White Powder Coat
- BM = Dark Bronze Powder Coat
- BV = Dark Green Powder Coat
- GC = Gray Powder Coat
- ** = Specify Finish

LANDSCAPE FORMS TO SUPPLY HAPCO POLES

BC = BASE COVER

PC = POLE CAP

EPA Notes:

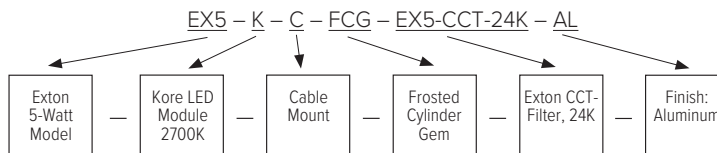
Effective Projected Area (EPA) in square feet. EPA's calculated using wind velocity (mph) indicated in accordance with 2009 AASHTO LTS-5 using a 25 year design life. Maximum EPA is based on the luminaire weight shown. Increased luminaire weight may reduce the maximum EPA. If weight is exceeded, or if other design life or code is required, please consult the factory.

NEW

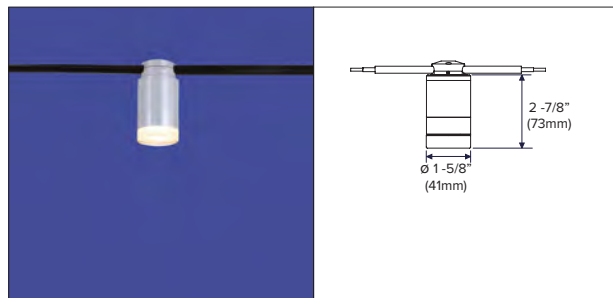
Exton Powerspan Cable System

Kore EX5 IP65
Direct Mount Module, Gems
Remote Power, 0-10V DM

CATALOG NUMBER LOGIC



Exton Cable Kore EX5 LED Direct Mount with Gem - Combinations

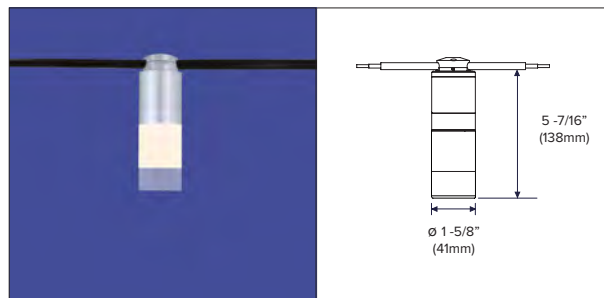


Kore EX5 Cable Direct Mount with Flat Gem, Aluminum or Black finish.

Catalog Numbers

For use with Remote Power Supply(s); ordered separately - See page 3 for links to order Power Supply(s)

EX5-K-C-FG-AL or BLK

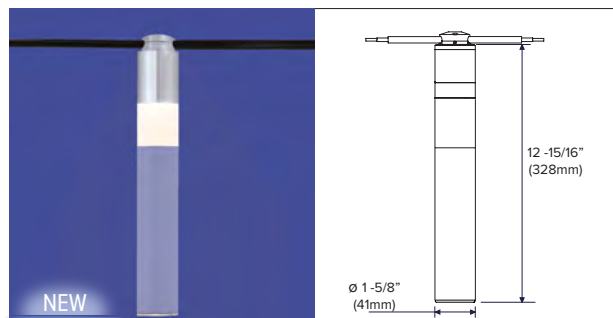


Kore EX5 Cable Direct Mount with Frosted Cylinder Gem, Aluminum or Black finish.

Catalog Numbers

For use with Remote Power Supply(s); ordered separately - See page 3 for links to order Power Supply(s)

EX5-K-C-FCG-AL or BLK

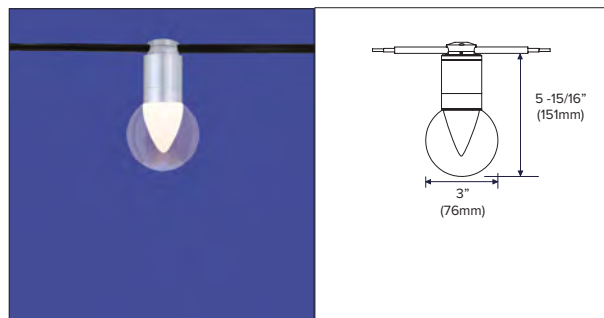


Kore EX5 Cable Direct Mount with 9" Frosted Cylinder Gem, Aluminum or Black finish.

Catalog Numbers

For use with Remote Power Supply(s); ordered separately - See page 3 for links to order Power Supply(s)

EX5-K-C-FCG-9-AL or BLK



Kore EX5 Cable Direct Mount with Frosted Sphere Gem, Aluminum or Black finish.

Catalog Numbers

For use with Remote Power Supply(s); ordered separately - See page 3 for links to order Power Supply(s)

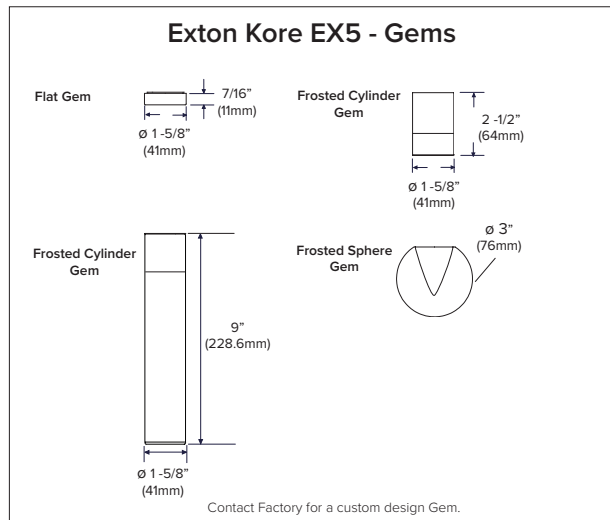
EX5-K-C-FSG-AL or BLK

NOTE: For Exton Powerspan Cable and Mounting (specified separately):
Refer to Mounting by Application Specification Sheets: [Tension Mount](#), [Surface Mount](#), [Drape Mount](#)

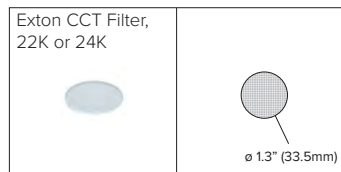


Exton Powerspan Cable System

Kore EX5 IP65
Direct Mount Module, Gems
Remote Power, 0-10V DM



Exton Kore EX5 LED 4" Monopoint with Gem - Accessory



Exton Color Corrected Filter, 22K or 24K

(EX5-CCT-22K or 24K)

22K or 24K Kelvin Temperature results when used with the standard 27K Cree LED.



Job Name:

Bloomington Hospital Re-use - Hopewell West
Landscape Architect: Rundell Ernstberger
Associates (Indianapolis)

Catalog Number:

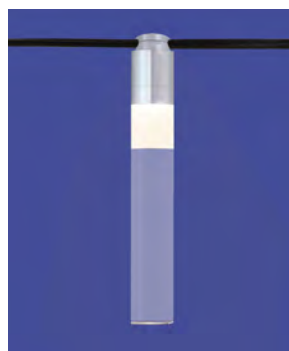
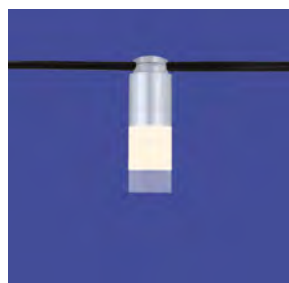
EX5-K-C-FG-BLK EX-C-BLK (PER FT) EX-TSEB-PCSC-BLK
EX-PF-BLK EX-EC-BLK Q-VAULT-5-1-Q-SETL-100-UNV/24
EX-MTBT-BLK ESSLD DISCOUNT R

Notes:**Type:****S6A**

INDY24-115028

Exton Powerspan Cable System

Kore EX5 IP65
Direct Mount Module, Gems
Remote Power, 0-10V DM



Category: Exton Direct Mount Module with Gems for use with Tegan's exclusive Powerspan Cable. Ordered separately. Can be installed with tensioned or swagged mounting. Designed for use with a Remote Power Supply, ordered separately. Optional 0-10V Dimming. .

Material: Powerspan Cable & Mounting: Specified separately. Refer to Mounting by Application Specification Sheets: [Tension Mount](#), [Surface Mount](#), [Drape Mount](#).

Kore-EX5 LED Module: UV stable exterior anodized aluminum, UV stable polycarbonate glass lenses, rubber o-rings.

Note: Anodizing is an electrochemical process that results in superior corrosion resistance. This process can result in a variance of finish from batch-to-batch.

Gem: 100% machined, clear/frosted acrylic.

Finish: Kore EX5 LED Module: Exterior rated, brushed, two-step electrolytic color anodizing. Anodized Black (BLK) or Anodized Aluminum (AL).
Gems: Frosted acrylic.

Powerspan Cable/ Mounting:

Refer to Mounting by Application Specification Sheets: [Tensioned System](#), [Draped System](#), [Surface System](#).

Gems: Flat Gem (FG), Frosted Cylinder Gem (FCG), 9" Frosted Cylinder Gem (FCG-9), Frosted Sphere Gem (FSG).

Accessories: 22K Color Correction Filter (CCT-22K), 24K Color Correction Filter (CCT-24K). Note: CCT22 or 24 = Kelvin Temperature results when used with the standard 27K Cree LED.

LED: High Wattage Array Cree LED, 2-Step Macadam. 5W @ 500 Lumen Output with 2700K 82-85 CRI typical. All values are initial lumens. For exact lumen output and wattage consumption data, please consult IES reports. Online power consumption does not include driver losses. Contact factory for 3000K, 3500K, 4000K or 90 CRI.

Optics: A 15° reflector is supplied in all decorative options to maximize decorative element illumination.

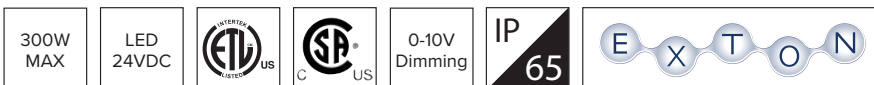
Electrical: 24VDC. Total input watts: 6.5W per LED module. 300W max. per circuit.

Remote Power Supply:

The Exton System is designed for use with a Remote Power Supply Enclosure and Driver. Refer to [Exton Power Supply IP20 Specs sheet](#), [IP24 Specs sheet](#), [IP66 Specs sheet](#) or [IP68 Specs sheet](#) for details. Use of Tegan Lighting Power Enclosures and Drivers only. If supplied "by others" the warranty and listing are void.

Installation: Refer to [Installation Instructions](#) for details. For system layout, and specification assistance, refer to the [Exton IP65 Application Guide](#) for details.

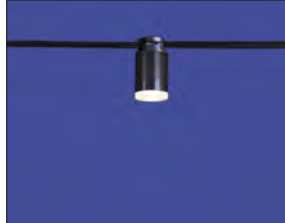
Labels: ETL Listed; Tested to UL 2108 Low Voltage Lighting Systems. In a continuing effort to offer the best product possible we reserve the right to change, without notice, specifications or materials. Technical specification sheets that appear on [teganlighting.com](#) are the most recent version and supersede all other versions that exist in any other printed or electronic form. Kore EX5 Module, Monopoint Mounting - 3 year warranty. Refer to [Exton IP65 Application Guide](#) for details.



Exton Powerspan Cable System

Kore EX5 IP65
Direct Mount Module, Gems
Remote Power, 0-10V DM

Click on the linked images below to visit the [Exton IP65 Gallery](#).



Exton Kore EX5 LED Direct Mount
Module, Flat Gem,
Black



Exton Kore EX5 LED Direct Mount
Module, Frosted Cylinder Gem,
Black

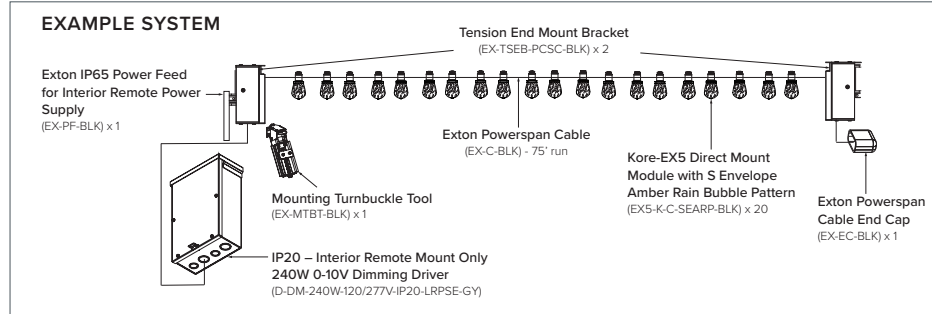
Click on the image below to visit the [Exton IP65 Application Guide](#).





KORE EX5 LED MODULES
 Application Type – Tension Mount
 Exterior IP65 Rated
 24VDC 0-10V Dimming

EXTON POWERSPAN CABLE SYSTEM



If mounting to a tree, consult an Arborist and see below for more details.

TENSION MOUNT – SYSTEM COMPONENTS TO MAKE A COMPLETE SYSTEM

COMPONENT	DESCRIPTION	CODE	FINISH
POWERSPAN CABLE			
	Exton - Powerspan Cable - Black (Specify in 1' increments + add 20% extra length)	EX-C-BLK	Black
	Exton End Cap - Black Finish (One per Run), includes a T15 Tool for top cap installation of EX5 LED Module.	EX-EC-BLK	Black
MOUNTING			
	Exton Tension End Mount Bracket and SSS Powerspan Cable Safety Clamp	EX-TSEB-PCSC-BLK	Black
	Exton Tension End Mount Bracket with Corner Mounting Plate and SSS Powerspan Cable Safety Clamp	EX-TSEB-CM-PCSC-BLK	Black
	Exton Tension End Mount Bracket with Shallow Angle Mounting Plate and SSS Powerspan Cable Safety Clamp	EX-TSEB-SA-PCSC-BLK	Black
	Exton Double Tension End Mount Brackets with Shallow Angle Mounting Plate and SSS Powerspan Cable Safety Clamps	EX-2TSEB-SA-PCSC-BLK	Black
	Exton Triple Tension End Mount Brackets with Mounting Plate and SSS Powerspan Cable Safety Clamps	EX-3TSEB-PCSC-BLK	Black
	Exton Mounting Turnbuckle Tool	EX-MTBT-BLK	Black
	Exton 2" Wrap Bracket, maximum angle of 36°	EX-WB2-BLK	Black
	Exton 3" Wrap Bracket, maximum angle of 60°	EX-WB3-BLK	Black
	Exton 4" Wrap Bracket, maximum angle of 81°	EX-WB4-BLK	Black
	Exton Horizontal Surface Mount Bracket	EX-HSMB-BLK	Black
	Set of Exton 6.5' Bottom/Top Cover Channels	EX-RDTC-BCCV-BLK	Black
POWER FEED			
	Exton IP65 Power Feed for Interior Mount Remote Power Supply	EX-PF-BLK	Black
	Exton Cable Gland + Lock Nut Power Feed	EX-CG-LN-PF-BLK	Black
EXTON LED MODULES (Ordered separately, see below for link)			
	Select an Exton LED EX5 Direct or Pendant Mount Module ("Typical" shown)	SELECT TYPE	Black or Aluminum

KORE EX5 LED MODULES

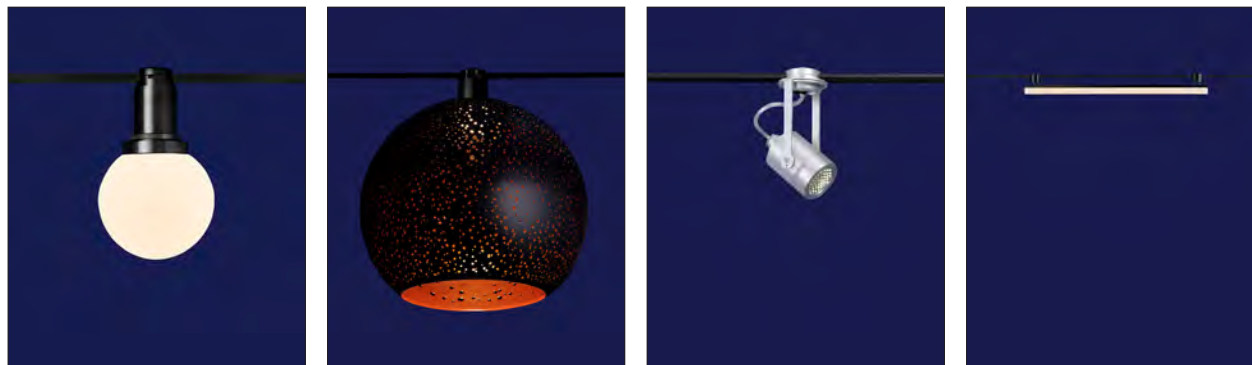
Application Type – Tension Mount
Exterior IP65 Rated
24VDC 0-10V Dimming

EXTON POWERSPAN CABLE SYSTEM

COMPONENT	DESCRIPTION	CODE	FINISH
REMOTE POWER SUPPLY (Ordered separately)			
	Exton IP20 Power Supply. Indoor use only. Contact Factory for alternative finishes, see page 11 for more details.	SELECT TYPE	Grey
	Exton IP24 Power Supply. Exterior, non-spray down use only. Contact Factory for alternative finishes, see page 11 for more details.	SELECT TYPE	Grey
	Exton IP66 Power Supply. Exterior use only. Contact Factory for alternative finishes, see page 11 for more details.	SELECT TYPE	Grey
	Exton IP68 Power Supply. Q-Tran direct burial, exterior use only. Contact Factory for alternative finishes, see page 11 for more details.	SELECT TYPE	Grey
POLE (Ordered separately)			
	AV Poles, supplied by Tegan Lighting for a complete lighting package. Wet Stamp Calculations and Foundation Design/Calc's available. Refer to link for the Quote Request Form on page 10.	REQUEST A QUOTE	SELECT FINISH

COMPATIBLE EXTON LED MODULES – DIRECT MOUNT (Ordered separately, examples shown here)

[Exton Powerspan Cable Direct Mount](#) Click this link to access individual spec sheets to specify Direct Mount options below.



COMPATIBLE EXTON LED MODULES – PENDANT MOUNT (Ordered separately, examples shown here)

[Exton Powerspan Cable Pendant Mount](#) Click this link to access individual spec sheets to specify Pendant Mount options below.



Click here to visit:
[Exton IP65 Application Guide - Direct Mount - In "Tech" Menu](#)

Click here to visit:
[Exton IP65 Application Guide - Pendant Mount - In "Tech" Menu](#)



Click on the linked image below to visit the [Exton Installation Guide](#).

Job Name:

Bloomington Hospital Re-use - Hopewell West
Landscape Architect: Rundell Ernstberger
Associates (Indianapolis)

Catalog Number:

EX5-K-C-FG-BLK EX-C-BLK (PER FT) EX-TSEB-PCSC-BLK
EX-PF-BLK EX-EC-BLK Q-VAULT-5-1-Q-SETL-100-UNV/24
EX-MTBT-BLK ESSLD DISCOUNT R

Notes:**Type:****S6A**

INDY24-115028

EXTON POWERSPAN CABLE SYSTEM

KORE EX5 LED MODULES
Application Type – Tension Mount
Exterior IP65 Rated
24VDC 0-10V Dimming

HOW TO SPECIFY EXTON TENSIONED POWERSPAN CABLE SYSTEM WITH REMOTE POWER

STEP 1

- Determine the design & layout, i.e the number of Powerspan Cable Runs.
- Pick a LED Module – Direct Mount or Pendant
- Determine Module Quantity & the number of LED Modules per Cable Run

*Example:*

- 2 - 30' Powerspan Cable Runs
- 15 - Exton LED, Direct Mount, Sphere GEM Modules per Cable Run

STEP 2

- Determine total length of each Run for the Powerspan Cable (add 20% extra).
- Determine where the Power Supply(s) will be located remotely.

*Example:*

- 72' Powerspan Cable (36' per Run)



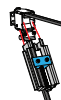
- 4 Surface Mount Tension End Brackets



- 2 End Caps



- 2 Power Feeds



- 1 Tension Tool

General Guidelines:

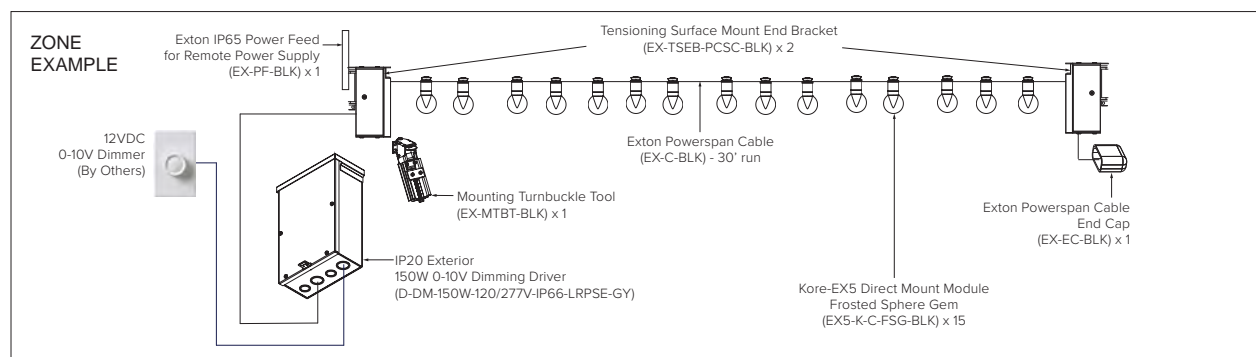
- 2 Tension End Mount Brackets per Run
- 1 End Cap per Run
- 1 Power Feed per Run
- 1 Tension Tool per project

STEP 3

- Determine Zoning & Power Supply(s). Each Run can be controlled with one Power Supply or many Runs can be controlled together on one Power Supply to be switched together.
- Determine wattage & quantity of Power Supply(s).

*Example:*

- Power Supplies are inside the building = IP20 Rating
- 2 - 150W IP20 24VDC Power Supplies (1 per Run)

**NOTES:**

- Refer to Tegan's Exton Power Supply Spec Sheets for the number of LED Modules to use with each Power Supply Wattage based on the Zoning. Exton Remote Power Supply Enclosure(s) can be mounted interior or exterior. The Exton Power Supply Spec Sheet has four options for various mounting locations; IP20 (Interior), IP24 (Exterior), IP66 (Exterior) and IP68 (Exterior Direct Burial).
- There can be 1-XX Zones on a project for this type.
- IP65 Power Feed is used with a IP20 power supply remote mounted in a building.
- Max 300W per circuit.

Job Name:

Bloomington Hospital Re-use - Hopewell West
Landscape Architect: Rundell Ernstberger
Associates (Indianapolis)

Catalog Number:

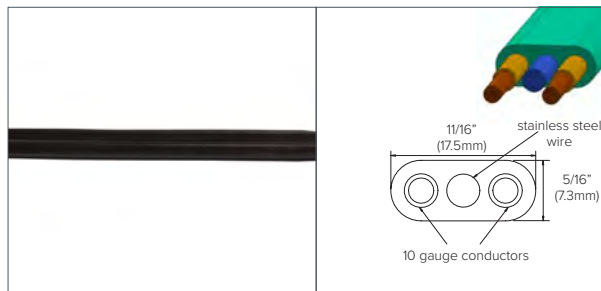
EX5-K-C-FG-BLK EX-C-BLK (PER FT) EX-TSEB-PCSC-BLK
EX-PF-BLK EX-EC-BLK Q-VAULT-5-1-Q-SETL-100-UNV/24
EX-MTBT-BLK ESSLD DISCOUNT R

Notes:**Type:****S6A**

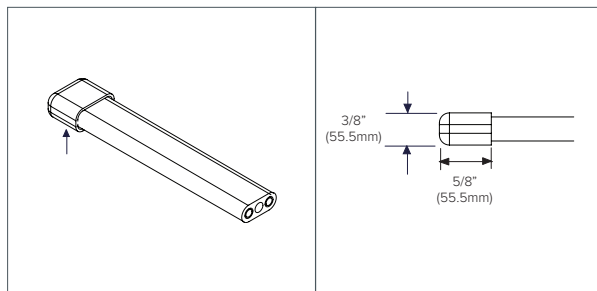
INDY24-115028

KORE EX5 LED MODULES

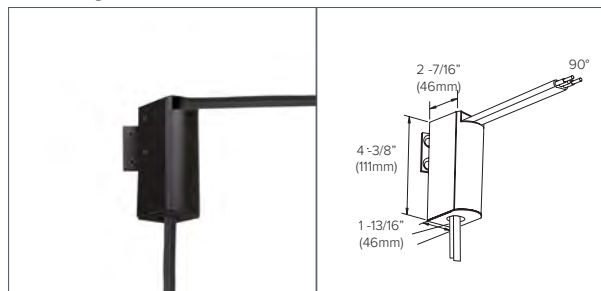
Application Type – Tension Mount
Exterior IP65 Rated
24VDC 0-10V Dimming

EXTON POWERSPAN CABLE SYSTEM**SYSTEM DETAILS****Powerspan Cable****Exton Powerspan Cable - Black Finish (EX-C-BLK)**

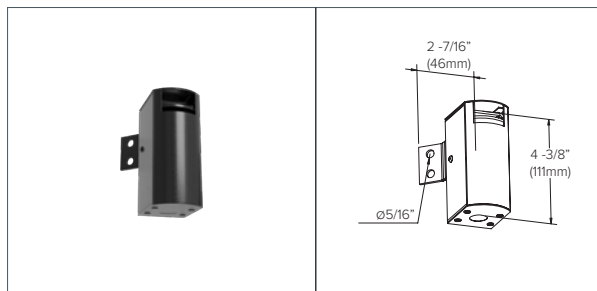
Exton Self-Sealing Powerspan Cable is IP65 for exterior applications. Order in 1' (30.5cm) increments. Exton Powerspan Cable contains two #10 AWG stranded copper conductors alongside a central strand of steel support cable. Maximum Span: 110' (33" sag). Maximum # of LED Modules per Run/Circuit: 40. Maximum Shade weight: 5lb. Field cuttable. 24VDC at 300W Max. per Run. Optional 0-10V DM Power Supply, ordered separately. Polarity does not matter. Powerspan Cable is not Listed for direct burial or "in wall" installation. Available in Black finish (only). Refer to Installation Instructions for details.

**Exton End Cap - Black Finish (EX-EC-BLK)**

Exton End Cap. One (1) required per Run. Available in Black finish (only). Refer to Installation Instructions for details.

Mounting**Exton Tension End Mount Bracket and SSS Powerspan Cable Safety Clamp - Black Finish (EX-TSEB-PCSC-BLK)**

Tensioning Surface End Bracket and SSS Powerspan Cable Safety Clamp for Exton Powerspan Cable installations. Can be mounted to any suitable surface; wall, tree, pole, beam, etc. Horizontal side adjustment. Two tensioning brackets required per tensioned run. Brackets can be installed side-by-side for multiple runs. Tension Mount Brackets can hold Powerspan Cable so it angles at up to 45° away from perpendicular, for a total adjustability of 90° left and right. Supplied with SSS Wire Rope Safety Clamp, refer to Installation Instruction for details. Available in Black (BLK) finish. Can be field painted or contact factory for custom colors. Mounting fasteners provided by others. Use fasteners as per the specification of a licensed structural engineer for the mounting substrate. Refer to Installation Instructions for details. Refer to page 10 for mounting Exton Brackets to Pole(s).

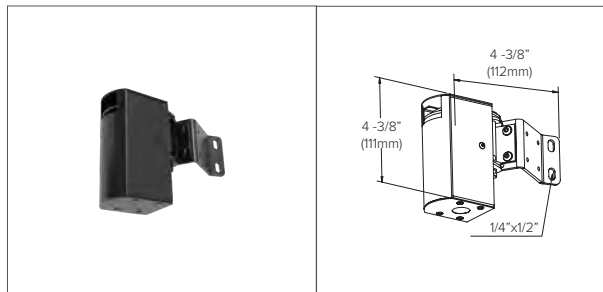
**Exton Tension End Mount Bracket with Corner Mounting Plate and SSS Powerspan Cable Safety Clamp - Black Finish (EX-TSEB-CM-PCSC-BLK)**

Tension End Mount Bracket with Corner Mounting Plate and SSS Powerspan Cable Safety Clamp for Exton Powerspan Cable installations. Features one tensioning bracket for corner mounting to structure. Can be mounted to any suitable surface; wall, tree, pole, beam, etc. Two tensioning brackets required per tensioned run. Available in Black (BLK) finish. Can be field painted or contact factory for custom colors. Mounting fasteners provided by others. Use fasteners as per the specification of a licensed structural engineer for the mounting substrate. Refer to Installation Instructions for details. Refer to page 10 for mounting Exton Brackets to Pole(s).

KORE EX5 LED MODULES

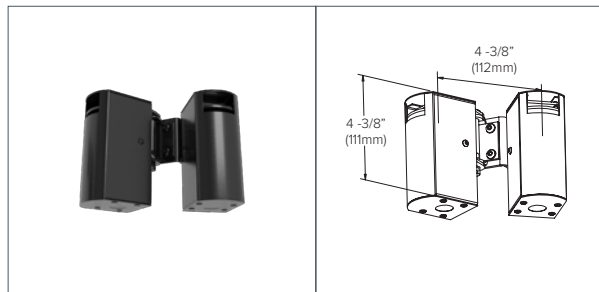
Application Type – Tension Mount
Exterior IP65 Rated
24VDC 0-10V Dimming

EXTON POWERSPAN CABLE SYSTEM



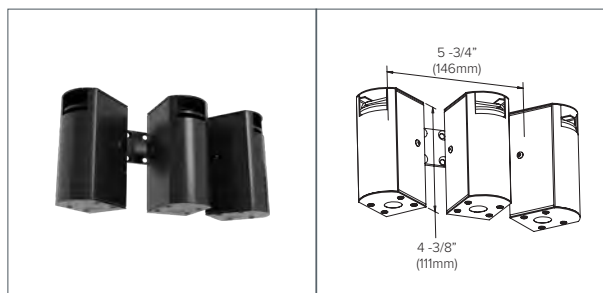
Exton Tension End Mount Bracket with Shallow Angle Mounting Plate and SSS Powerspan Cable Safety Clamp - Black Finish (EX-TSEB-SA-PCSC-BLK)

Exton Tension End Mount Bracket, Shallow Angle Mounting Plate and SSS Powerspan Cable Safety Clamp for Exton Powerspan Cable installations. Can be mounted to any suitable surface; wall, tree, pole, beam, etc. Features one tensioning bracket on a mounting plate for ease of installation. For spans to structure from opposing angles less than 45 to 14 degrees. Two tensioning brackets required per tensioned run. Available in Black (BLK) finish. Can be field painted or contact factory for custom colors. Mounting fasteners provided by others. Use fasteners as per the specification of a licensed structural engineer for the mounting substrate. Refer to Installation Instructions for details. Refer to page 10 for mounting Exton Brackets to Pole(s).



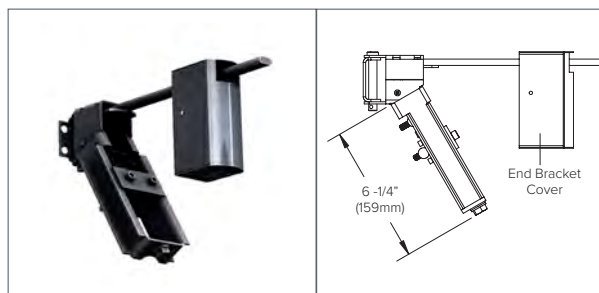
Exton Double Tension End Mount Brackets with Shallow Angle Mounting Plate and SSS Powerspan Cable Safety Clamp - Black Finish (EX-2TSEB-SA-PCSC-BLK)

Exton Double Tension End Mount Brackets with Shallow Angle Mounting Plate with SSS Powerspan Cable Safety Clamp for Exton Powerspan Cable installations. Features two tensioning brackets on a one-piece mounting plate for ease of installation with less structure penetrations. For spans to structure from opposing angles less than 45 to 14 degrees. Two tensioning brackets at each end required per tensioned run. Available in Black (BLK) finish. Can be field painted or contact factory for custom colors. Mounting fasteners provided by others. Use fasteners as per the specification of a licensed structural engineer for the mounting substrate. Refer to Installation Instructions for details. Refer to page 10 for mounting Exton Brackets to Pole(s).



Exton Triple Tension End Mount Brackets with Mounting Plate with Mounting Plate - Black Finish (EX-3TSEB-PCSC-BLK)

Triple Tension End Mount Brackets with Mounting Plate and SSS Powerspan Cable Safety Clamp for Exton Powerspan Cable installations. Features three tensioning brackets on a one-piece mounting plate for ease of installation with less structure penetrations. Two tensioning brackets at each end required per tensioned run. Available in Black (BLK) finish. Can be field painted or contact factory for custom colors. Mounting fasteners provided by others. Use fasteners as per the specification of a licensed structural engineer for the mounting substrate. Refer to Installation Instructions for details. Refer to page 10 for mounting Exton Brackets to Pole(s).



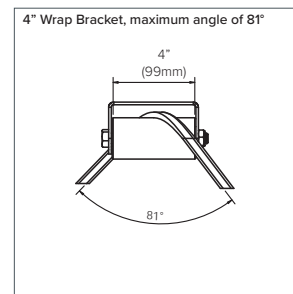
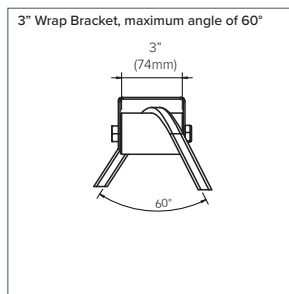
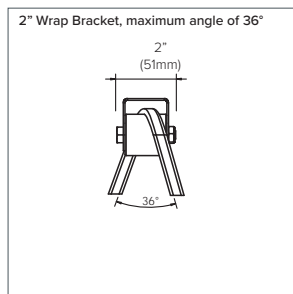
Exton Mounting Turnbuckle Tool - Black Finish (EX-MTBT-BLK)

The Turnbuckle Tool's Sliding Clamp is used to incrementally pull and make the Powerspan Cable taught. Tighten cable by manually pulling it through the End Mount Tension Bracket(s) before using the Tool. The Tensioning Tool should only be used to tighten away the last few inches off swag. Be sure to loosen the End Mount Tension Bracket(s) Screws before using the Bolt, or you may damage the Powerspan Cable. Allow 6" of sag in the middle of the Powerspan Cable per 20' of span. For example, 40' of span (2 x 20') requires 2 x 6" (12") of sag. Keeping it tighter may create higher tension than the Powerspan Cable can withstand. Do not exceed 450 lbs of tension load on the Powerspan Cable. Use provided tensioning device if necessary.

KORE EX5 LED MODULES

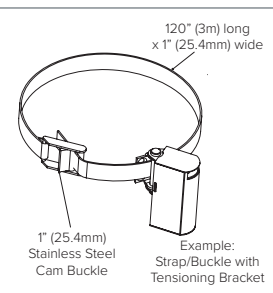
Application Type – Tension Mount
Exterior IP65 Rated
24VDC 0-10V Dimming

EXTON POWERSPAN CABLE SYSTEM



- Exton Surface Mount 2" Wrap Bracket, Black Finish (EX-WB2-BLK)
- Exton Surface Mount 3" Wrap Bracket, Black Finish (EX-WB3-BLK)
- Exton Surface Mount 4" Wrap Bracket, Black Finish (EX-WB4-BLK)

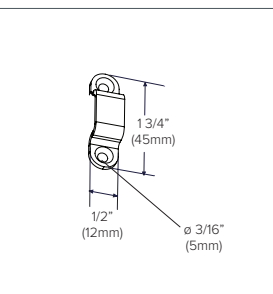
The Surface Wrap Bracket may be used to allow the Powerspan Cable to wrap around the pivot bar and change direction. Wrap Bracket for Exton Powerspan Cable mounting to any suitable surface; wall, tree, pole, beam, etc. to continue up to 60' (18.29m), contact Factory for Runs up to 110' (33.5m). 300W per Run. Available in Black (BLK) finish. They cannot be used for long spans with many "turnarounds", because it will be hard to pull the Powerspan Cable to a desired tension and keep it flat. The Wrap Bracket is ideal to use over a walkway or with individual segments with a 20' (maximum span). Can be field painted or contact factory for custom colors. Fasteners provided by others. Use fasteners as per the specification of a licensed structural engineer for the mounting substrate. Refer to Installation Instructions Guidelines for more detail.



- Exton Tree Strap & Buckle (EX-10-TSB) Tree Strap & Buckle - Black/SSS Finish

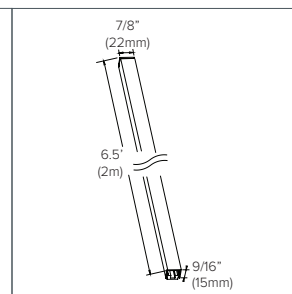
Tree Strap & Buckle for Exton Powerspan Cable mounting to a tree. 1500 lbs. test, UV-resistant, water-resistant. Field-cuttable. 10' (3m) Strap length; contact factory for alternative strap lengths over 10' in 1' increments. (3m) Strap available in Black (BLK) finish (only). Galvanized Stainless Steel buckle (only). Tensioning Bracket shown is ordered separately. WARNING: Tree Straps are known to damage or "strangle" a tree if not loosened and/or properly maintained. Consult an Arborist and refer to Installation Instructions for details.

Mounting Accessories



- Exton Horizontal Surface Mount Bracket - Black Finish (EX-HSMB-BLK)

Horizontal Surface Mount Bracket for Exton Powerspan Cable installations. Can be used to secure the Powerspan Cable to wall surfaces, Poles, etc. Mount Horizontal Brackets every 12" and within 2" of the start and end. Refer to the Installation Guide for details. Available in Black Finish (BLK). Can be factory painted RAL colors or field-painted to match structure/pole. Fasteners provided by others. Use fasteners as per the specification of a licensed structural engineer for the mounting substrate. Refer to Installation Instructions for details.



- Set of Exton 6.5' Bottom/Top Cover Channels - Black Finish (EX-RDTC-BCCV-BLK)

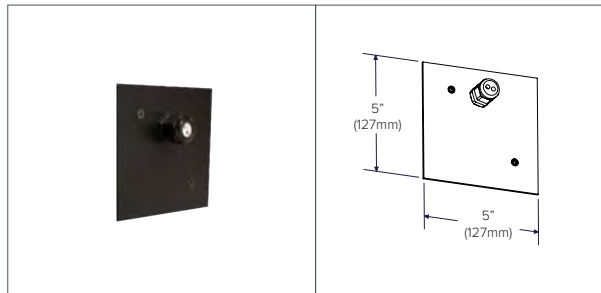
Top/Bottom Cover Channels can be used to secure Powerspan Cable to structure or Poles, etc. Refer to the Installation Guide for details. Available in Black Finish (BLK). Can be factory painted RAL colors or field-painted to match structure/pole. Fasteners provided by others.

KORE EX5 LED MODULES

Application Type – Tension Mount
Exterior IP65 Rated
24VDC 0-10V Dimming

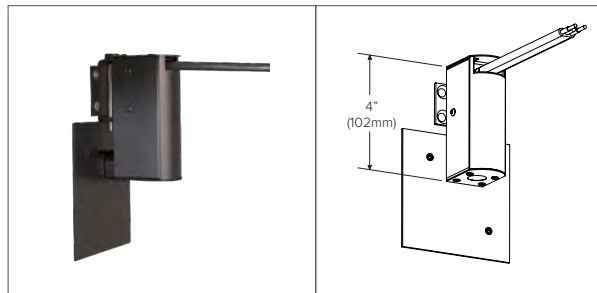
EXTON POWERSPAN CABLE SYSTEM

Power Feed & Pole

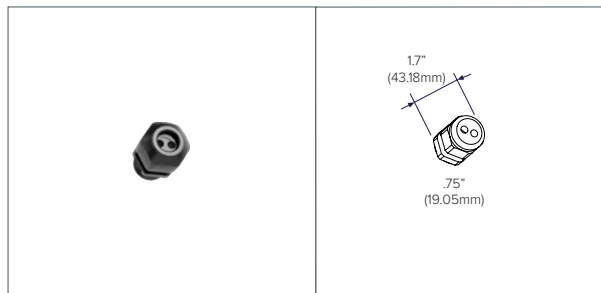


Exton IP65 Power Feed for Remote Power Supply - Black Finish (EX-PF-BLK)

The IP65 Power Feed will allow the Exton Powerspan Cable to feed into a building or Pole for connection to a Remote Power Supply. The Power Feed is not structural. It is for feeding wire (only) into a building, pole, etc. to make an electrical connection. It can not be used alone for tension mounting. Field-paintable. Can mount to a building structure or pole. Available in Black (BLK) finish. Contact factory for custom colors (backplate only). Remote Power Supply ordered separately. Refer to Installation Instructions for additional details.

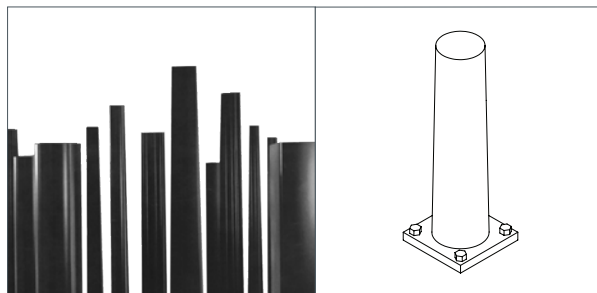


Example of **Exton Tensioning Bracket & IP65 Feed** installed for use with an interior mount Remote Power Supply. Tensioning bracket shown is ordered separately from Power Feed.



Exton Cable Gland + Lock Nut Power Feed - Black Finish (EX-CG-LN-PF)

Cable Gland + Locknut Power Feed for Exton Powerspan Cable Pole installations to use with Remote Power Supplies. The Power Feed will be covered by the Tension End Mount Bracket Cover. Available in Black (BLK) finish (only). Tensioning bracket and Remote Power Supply are ordered separately. Refer to Installation Instructions for details.



AV Poles from Tegan Lighting (Ordered separately)

AV Poles, supplied by Tegan Lighting for a complete lighting package. Click this link to access [Tegan/AVP Pole Quote Request Form](#). Wet Stamp Calculations and Foundation Design/Calc's available. AV is well-versed on the Exton System and has engineered many similar tensioned projects. As required, engineering services will be provided in the quote to insure proper structural installation per code requirements. Refer to Exton Installation Instruction Guide for more details. Poles can also be provided by others; engineering is required by others to ensure structural integrity. **Note: Tegan is not responsible for Poles/Engineering provided by others.**

Remote Power Supply (Ordered separately)



Exton IP20 Power Supply
Indoor use only. Optional 0-10VDM.
[IP20 Power Supply Spec sheet](#)



Exton IP24 Power Supply
Exterior, non-spray down use only.
Optional 0-10VDM.
[IP24 Power Supply Spec sheet](#)



Exton IP66 Power Supply
Exterior use only. Optional 0-10VDM.
[IP66 Power Supply Spec sheet](#)



Exton IP68 Power Supply
Q-Tran direct burial, exterior use only.
Optional 0-10VDM.
[IP68 Power Supply Spec sheet](#)

Job Name:

Bloomington Hospital Re-use - Hopewell West
Landscape Architect: Rundell Ernstberger
Associates (Indianapolis)

Catalog Number:

EX5-K-C-FG-BLK EX-C-BLK (PER FT) EX-TSEB-PCSC-BLK
EX-PF-BLK EX-EC-BLK Q-VAULT-5-1-Q-SETL-100-UNV/24
EX-MTBT-BLK ESLLD DISCOUNT R

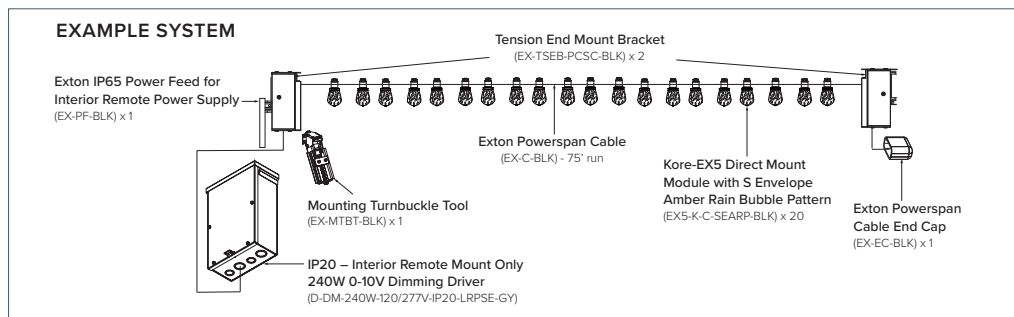
Notes:**Type:****S6A**

INDY24-115028

EXTON POWERSPAN CABLE SYSTEM

KORE EX5 LED MODULES
Application Type – Tension Mount
Exterior IP65 Rated
24VDC 0-10V Dimming

INSTALLATION GUIDELINES “AT A GLANCE” (Refer to complete Installation Instructions online for details)

**GENERAL SYSTEM GUIDELINES**

- Contact Tegan Lighting with any installation questions @ info@teganlighting.com.
- If you experience any problems, do not modify the LED Modules or hardware in any way. The LED Modules are potted for IP65 compliance.
- Any modifications to Tegan Lighting parts on site that are not compliant with the installation instructions will void the warranty and listing.
- In addition, Tegan Lighting will not replace modified parts at no charge or pay for labor without pre-approval. No exceptions.
- Lighting systems from Tegan Lighting are supplied as complete systems. Use only factory-supplied parts to preserve the validity of the ETL/UL listing and manufacturer's warranty.
- Tegan Lighting system hardware is intended for installation in accordance with the National Electric Code and local regulations. To ensure full compliance with local codes and regulations, check with your local electrical inspector before installation.
- Read all instructions and use only as described in these Tegan Lighting Installation Instructions. Failure to follow installation instructions, or failure to heed all installation precautions, could result in falling fixtures which could cause serious injury or death. Failure to properly connect electrical systems could result in permanent system failure, as well as fire, shock, or electrocution.
- Do not install any part of Powerspan system less than 8 feet A.F.F. (Above Finished Floor) or ground, or in a place where a person can hang or pull on the system when tensioned or swagged.
- Disconnect electrical power before adding to or changing the configuration of the lighting span, or changing any accessory/shade.

**DO NOT ATTEMPT TO ENERGIZE ANYTHING OTHER THAN EXTON LUMINAIRES ON THE POWERSPAN CABLE.**

- To reduce the risk of fire and electric shock, do not attempt to connect power tools, extension cords, appliances, and the like to the Powerspan Cable.
- Wire only into the output of a dedicated Exton 24VDC driver provided by Tegan Lighting.
- This system is for 24VDC Exton Spotlights only; it must be used with an appropriate 24VDC power supply provided by Tegan Lighting. Refer to Specification Sheets.
- Use only Tegan Lighting supplied accessories. Do not hang non-Exton devices (signs, etc.) on the Exton Powerspan Cable.
- To ensure proper installation, we recommend having a qualified electrician install this product.
- Fasteners for mounting brackets provided by others. Use fasteners as per the specification of a licensed structural engineer for the mounting substrate.
- This system must be wired and grounded in accordance with accepted electrical installation practices, local codes, and ordinances.
- Wire supply connections must be made with U.L. or comparable testing agency-approved connectors.
- Powerspan Cable is not listed for in-ground direct burial or in interior wall installation.
- Turn off electrical power before modifying the lighting system in any way.

**WARNING: UNPACKING and STORING EXTON POWERSPAN CABLE**

Exton Powerspan Cable Roll

Unroll Powerspan Cable only when ready to install. To avoid kinking, do not allow cable to rest in a tangled heap. If installation is delayed, re-roll Powerspan Cable onto spool **FLAT WITHOUT TWISTS OR KINKS** for longer term storage. Never allow cable to be rolled so that it gets twisted. Tegan will not replace cable free of charge if it has kinked. Contact your local agent to order replacement cable(s).

Job Name:

Bloomington Hospital Re-use - Hopewell West
Landscape Architect: Rundell Ernstberger
Associates (Indianapolis)

Catalog Number:

EX5-K-C-FG-BLK EX-C-BLK (PER FT) EX-TSEB-PCSC-BLK
EX-PF-BLK EX-EC-BLK Q-VAULT-5-1-Q-SETL-100-UNV/24
EX-MTBT-BLK ESSLD DISCOUNT R

Notes:**Type:****S6A**

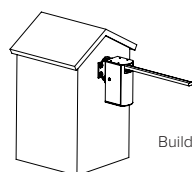
INDY24-115028

KORE EX5 LED MODULES

Application Type – Tension Mount
Exterior IP65 Rated
24VDC 0-10V Dimming

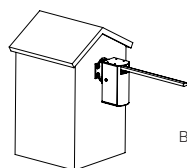
EXTON POWERSPAN CABLE SYSTEM**MOUNTING BRACKET INSTALLATION GUIDELINES “AT A GLANCE”** (Refer to complete Installation Instructions online for details)

Tensioned System Mounting Options



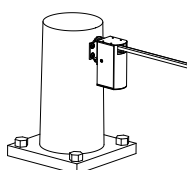
Building to Building

Refer to Installation Instruction Guide for building mount guidelines.



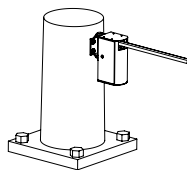
Building to Pole

Refer to Installation Instruction Guide for pole mount guidelines and ordering.



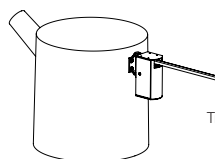
Pole to Tree

Ensure Tree is large enough and rigid enough for a safe installation. Due to the variable nature of trees, please use minimal tensioning on the cable. Consult with a licensed Arborist to determine tree mounting compatibility.



Pole to Pole

Poles are optionally provided by Tegan's partners, AV Poles, with engineered specifications per project, and can be drilled in most cases to match the tensioning brackets. Use of existing poles or structures without engineering review can result in property damage or harm to persons. Pole Type/ Height to be engineered per project. Refer to Installation Instruction Guide for pole mount guidelines and ordering.



Tree to Tree

Ensure Trees are large enough and rigid enough for a safe installation. Due to the variable nature of trees, please use minimal tensioning on the cable. Consult with a licensed Arborist to determine tree mounting compatibility.

**WARNING:**

Do not install the Exton LED Modules or Solo Linear, which involves blades piercing the Powerspan Cable to make electrical connection, below the outdoor ambient temperature of 10C/50F. The Powerspan outer jacket is more flexible in warmer temperatures.

Use Tegan engineered mounting brackets only. Use of non-Tegan mounting brackets may result in damage to the Powerspan Cable, LED Modules, Power Supply(s) and/or structure. Use of non-Tegan supplied brackets will void the warranty and listing.

Tegan can provide custom brackets as requested. Contact the factory for a quote. **THE USE OF MOUNTING BRACKETS “BY OTHERS”, WITHOUT WRITTEN ENGINEERING APPROVAL FROM TEGAN LIGHTING WILL VOID THE WARRANTY.**

Job Name:

Bloomington Hospital Re-use - Hopewell West
Landscape Architect: Rundell Ernstberger
Associates (Indianapolis)

Catalog Number:

EX5-K-C-FG-BLK EX-C-BLK (PER FT) EX-TSEB-PCSC-BLK
EX-PF-BLK EX-EC-BLK Q-VAULT-5-1-Q-SETL-100-UNV/24
EX-MTBT-BLK ESSL D DISCOUNT R

Notes:**Type:****S6A**

INDY24-115028

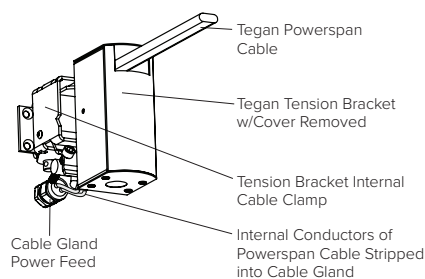
KORE EX5 LED MODULES

Application Type – Tension Mount
Exterior IP65 Rated
24VDC 0-10V Dimming

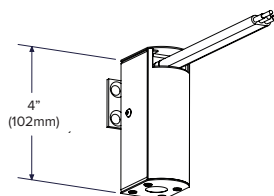
EXTON POWERSPAN CABLE SYSTEM

POLE SUPPLY INSTALLATION GUIDELINES “AT A GLANCE” (Refer to complete Installation Instructions online for details)

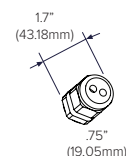
Poles Mounting Details – Poles Provided by Tegan in Partnership with AVP Poles

**Perspective**

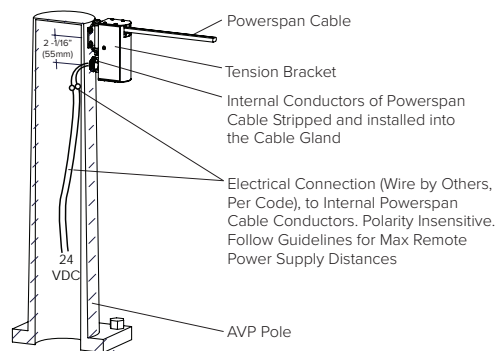
Hook-up to Remote Power Feed with Horizontal Surface Mount Brackets.

**Perspective**

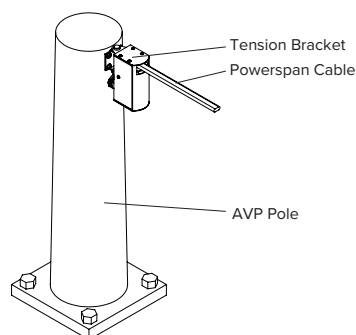
Tension End Mount Bracket, Pole Mount (EX-TSEB-PCSC)

**Perspective**

Cable Gland + Lock Nut Power Feed (EX-CG-LN-PF)

**Section**

AVP Pole Installation with Internal Wiring, Tension End Mount Bracket, Cable Gland + Locknut Power Feed. For Remote Power Supply.

**Perspective**

AVP Pole Installation with Internal Wiring, Tension End Mount Bracket, Cable Gland + Locknut Power Feed. For Remote Power Supply.

Tegan Lighting has teamed up with AV Poles to offer a complete system specification; a complete “package” for Exton Systems. AVP, based in Southern California, offers a wide variety of Pole types with specialty finishes, brackets and bases. To request a quote, complete and email Tegan a plan detail showing span lengths and number of modules per span along with the [AVP Checklist Quote Request Form](#). AVP can provide Wet Stamped Exton System Calc's, Pole Foundation Design and Foundation Calc's. Ordering AVP Poles through Tegan for a complete Exton System is optional.

Typical installation of span on a pole, powered (These details relate to AVP/Exton installations only):

1. Cable by others is run from the remote power supply (IP20, IP24, IP66 or IP68) into the pole.
2. Cable by others is spliced inside pole with outdoor-rated splice connectors by others to the Powerspan Cable conductors.
3. Drill mounting holes into pole for mounting of the Tension End Mount Bracket at desired starting height of tensioned span, holes can vary based on mounting bracket used.
4. Drill hole for 1/2" trade size conduit below the drilled mounting holes of the Tension End Mount Bracket. Optimum placement is center hole 1.5" below the bottom plate of the Tension End Mount Bracket. Protect Powerspan Cable from any sharp edges to prevent damage. For electrical connections inside the Pole, take care to waterproof the pole penetration(s). Re-coat drilled pole hole edges for weather protection.
5. Use the Cable Gland + Locknut to secure the (2) Powerspan Cable Conductors to the pole. The connector will be covered by the Tension End Mount Bracket Cover.
6. Contact factory for special order brackets for specific mountings not shown. **THE USE OF MOUNTING BRACKETS “BY OTHERS”, WITHOUT WRITTEN ENGINEERING APPROVAL FROM TEGAN LIGHTING WILL VOID THE WARRANTY.**
7. Poles can also be provided by others. In this case, all engineering for Exton System(s) and Pole(s) and calculations are required by others for proper installation and to ensure structural integrity.
8. **Note: Tegan is not responsible for Poles/Engineering provided by others.**

10

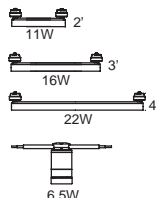
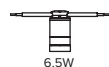
KORE EX5 LED MODULES

Application Type – Tension Mount
Exterior IP65 Rated
24VDC 0-10V Dimming

EXTON POWERSPAN CABLE SYSTEM

ELECTRICAL INSTALLATION GUIDELINES “AT A GLANCE” (Refer to complete Installation Instructions online for details)

Tegan Power Supplies and Wattage Guidelines



of LED Modules per Driver Wattage IP20, IP24, IP66, IP68

DESCRIPTION	MAX # OF LED MODULES
40W Dim/Non-Dimming Driver	4
60W Dim/Non-Dimming Driver	7
100W Dim/Non-Dimming Driver	11
150W Dim/Non-Dimming Driver	17
240W Dim/Non-Dimming Driver	27
288W Dimming Driver	32
320W Non-Dimming Driver	36
100W Q-Tran Direct Burial Power Supply	11
200W Q-Tran Direct Burial Power Supply	(2) INDEPENDENT CIRCUITS OF 11 MODULES EACH

Max Wattage per Driver for SOLO or SOLO + LED Module

DESCRIPTION	MAX TOTAL WATTAGE
40W Dim/Non-Dimming Driver	32W
60W Dim/Non-Dimming Driver	48W
100W Dim/Non-Dimming Driver	80W
150W Dim/Non-Dimming Driver	120W
240W Dim/Non-Dimming Driver	192W
288W Dimming Driver	230W
320W Non-Dimming Driver	256W
100W Q-Tran Direct Burial Power Supply	80W
200W Q-Tran Direct Burial Power Supply	160W

POWER SUPPLY OPTIONS



IP20 Power Supply

Indoor use only

[IP20 Power Supply Spec sheet](#)



IP24 Power Supply

Exterior, non-spray down use only

[IP24 Power Supply Spec sheet](#)



IP66 Power Supply

Exterior use only

[IP66 Power Supply Spec sheet](#)



IP68 Power Supply

Q-Tran direct burial, exterior use only

[IP68 Power Supply Spec sheet](#)

- The chart above lists the maximum number of Kore-EX5 Modules for each Driver option based on the following common practice of “Recommended De-Rating.” Like all electronic power supplies, life is significantly increased when loads are 75/80% or less of the nominal power capacity. Best life is in climate controlled conditions, or when the power supply stays below 70C/158F. The type of enclosure and ambient environment can affect the operating temperature, and therefore the lifetime of the power supply. For all Tegan Lighting enclosures, load power supplies to only 75/80% of their nominal. These are general suggestions to increase the life of the supply in moderate climates; the actual operating lifetime of the power supply depends on the actual environment and use. Do not operate the power supplies during the day with direct sunlight with extreme hot temperatures.
- Do not operate Power Supplies in environments above 40C/104F ambient air temperature.
- Do not operate Power Supplies where the sun’s radiation causes any metal surface to be greater than 40C/104F.
- Do not operate Exton Systems, including Power Supply(s), below -20C/-4F.
- When using SOLO alone or when combining SOLO with LED Modules on one or more runs, note the maximum total wattage per Power Supply Wattage. Refer to the chart above.
- DO NOT EXCEED A MAXIMUM OF 40 EXTON LED FIXTURES PER RUN/CIRCUIT.**
- VOLTAGE DROP:** To calculate the maximum Exton span, add the desired span distance to the wiring distance between the power supply and the start of the Exton span cable. This is the “total run.” All wiring used between the power supply and the start of the Exton cable should be 10AWG or thicker. At 300W loads, the maximum total run length is 150’.
- IP68 Q-Tran Direct Burial: For complete water-tight guarantee, use of Q-Tran’s Q-Clk fittings and Q-Wire stranded wire is required. Warranty is void if these components are not used. Refer to the Spec Sheet for Q-Tran Water Trac Fittings Guide for details.
- TRIAC or ELV dimming are not compatible at this time.



WARNING:

Use of non-Tegan Lighting power supply(s) will void system warranty and listing.

Job Name:

Bloomington Hospital Re-use - Hopewell West
Landscape Architect: Rundell Ernstberger
Associates (Indianapolis)

Catalog Number:

EX5-K-C-FG-BLK EX-C-BLK (PER FT) EX-TSEB-PCSC-BLK
EX-PF-BLK EX-EC-BLK Q-VAULT-5-1-Q-SETL-100-UNV/24
EX-MTBT-BLK ESSLD DISCOUNT R

Notes:**Type:****S6A**

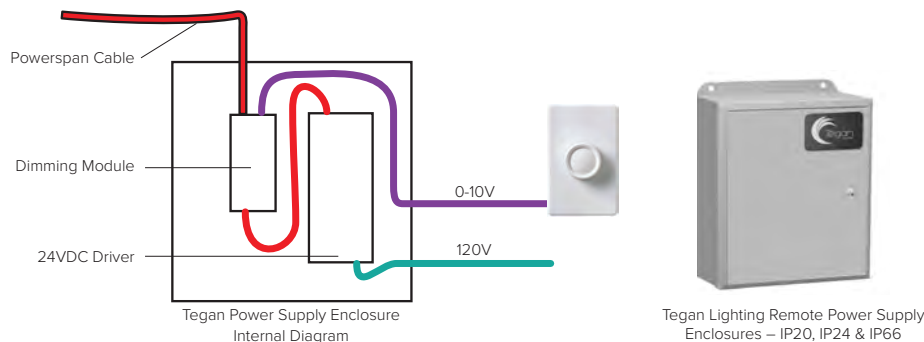
INDY24-115028

EXTON POWERSPAN CABLE SYSTEM

KORE EX5 LED MODULES
Application Type – Tension Mount
Exterior IP65 Rated
24VDC 0-10V Dimming

ELECTRICAL INSTALLATION GUIDELINES “AT A GLANCE” (Refer to complete Installation Instructions online for details)

Wiring Installation Guidelines for Remote Power Supplies

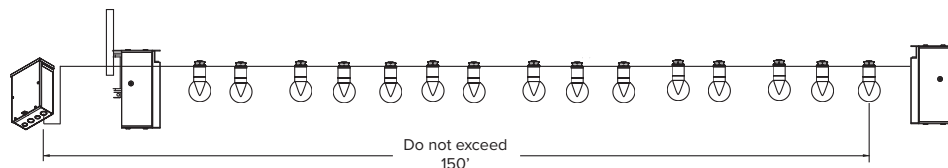


Tegan's Power Supplies consist of an enclosure with a 24VDC driver and an optional Dimmer Module. **Wire into the output of a dedicated Exton 24VDC driver provided by Tegan Lighting (only).**

Loading and Operation Guidelines

It's important not to exceed these guidelines in order to prevent damage to the Power Supply or cause problems with performance: Load power supplies at 80% of their maximum nominal output. Refer to page 11 for recommended wattage for power supplies.

- Do not exceed 150 feet between last EX5 module (i.e. the module farthest away from the Power Supply) and the Power Supply.



- Do not group EX5 modules near the end of a long run; on a 110 foot span, keep the average distance from EX5s to Power Supply about 75 feet.



- The length of the Powerspan Cable, and any intermediate remote wiring, must be counted together (i.e. with a 100' Cable Span, + 50' of building wire between the start of the span + the power supply, cannot exceed a maximum 150' distance.)
- The Polarity of the drivers output to the Exton Powerspan Cable does not matter.

Temperature Guidelines

- Do not operate Power Supplies in environments above 40C/104F ambient air temperature.
- Do not operate Power Supplies where the sun's radiation causes any Power Enclosure to be greater than 40C/104F.
- Do not operate Exton Systems, including Power Supply(s), below -20C/-4F.

**WARNING:**

Use of non-Tegan Lighting power supply(s) will void system warranty and listing. Do not install the Exton LED Modules or Solo Linear, which involves blades piercing the Powerspan Cable to make electrical connection, below the outdoor ambient temperature of 10C/50F. The Powerspan outer jacket is more flexible in warmer temperatures.

Keep distance from Power Supply to last fixture (Module that is farthest away from the Power Supply) less than 150', including any internal building wire.

Job Name:

Bloomington Hospital Re-use - Hopewell West
Landscape Architect: Rundell Ernstberger
Associates (Indianapolis)

Catalog Number:

EX5-K-C-FG-BLK EX-C-BLK (PER FT) EX-TSEB-PCSC-BLK
EX-PF-BLK EX-EC-BLK Q-VAULT-5-1-Q-SETL-100-UNV/24
EX-MTBT-BLK ESSLD DISCOUNT R

Notes:**Type:****S6A**

INDY24-115028

EXTON POWERSPAN CABLE SYSTEM

KORE EX5 LED MODULES
Application Type – Tension Mount
Exterior IP65 Rated
24VDC 0-10V Dimming

TENSION MOUNTING – TECHNICAL DETAILS

- Category:** Tegan's exclusive Exton Powerspan Cable features LED Modules with various Gems, Glass Envelopes and Shades, ordered separately. Designed for use with Remote Power Supplies, ordered separately. Optional 0-10V Dimming.
- Material:** Powerspan Cable: Embedded stainless steel wire in the center of the custom cable with 10 gauge conductors inside a IP65 Self-Sealing Jacket.
Mounting: Powdercoated or anodized steel and aluminum.
- Finish** Powerspan Cable: Black (BLK). Custom finishes not available. Mounting Hardware: Black (BLK). Contact factory for custom finish.
- Powerspan Cable:** Exton Powerspan, Self-Sealing Cable is IP65 for exterior use. Supplied in 1' (30.5cm) increments. Order one End Cap per Run, Black Finish. Field cuttable. Refer to Installation Instructions for details.
- Cable Span:** Maximum Cable mounting is 110' (33.5m). Note that the cable must be a continuous run without interruption. Maximum Span: 110' (33' sag). Maximum # of LED Modules per Run/Circuit: 40. Maximum Shade weight: 5lb. 300W max. per circuit. When specifying Powerspan Cable length, add 20% to the run length for installation site variations.
- System Mounting:** Refer to Mounting, pages 5-6 for "At a Glance" instructions. Refer to the complete Installation Instruction Guidelines for more details.
- Pole Mounting:** AV Poles, supplied by Tegan Lighting for a complete lighting package. Wet Stamp Calculations and Foundation Design/Calc's available. Poles can be ordered from Tegan Lighting to create a complete package. AV is well-versed on the Exton System and has engineered many similar tensioned projects. As required, engineering services will be provided in the quote to insure proper structural installation per code requirements. Refer to Exton Application Guide for information and more details. Poles can also be provided by others; engineering is required by others to ensure structural integrity.
Note: Tegan is not responsible for Poles/Engineering provided by others.
- LED Modules:** Ordered separately. Refer to links on page 2.
- Power Feed:** Exton IP65 Power Feed for Remote Power Supply - Black Finish (EX-PF-BLK), Cable Gland + Lock Nut Power Feed (EX-CG-LN-PF). (EX-PF-BLK) Plate is field paintable; Cable Gland is not. Contact Factory for custom colors. Mounts to IP65 J-Box (for exterior Install, by others) or Pole. Note: Power Feed cannot be used for structural Powerspan Cable support. Refer to Installation Instructions for details.
- Electrical:** 24VDC. Total input watts per EX-5 Module (ordered separately): 6.5W. 300W max. per circuit.
- Remote Power Supply:** The Exton System is designed for use with Remote Power Supplies, ordered separately. Refer to Exton Power Supply links on page 7 for details. Use of Tegan Lighting Power Enclosures and Drivers only. If supplied "by others" the warranty and listing are void.
- Installation:** Exton is not approved or listed for indoor pool/sauna installations where chemicals are present. Refer to Installation Instructions for details. For system layout, and specification assistance, refer to the Exton Application Guide for details.
- Labels:** ETL Listed; Tested to UL 2108 Low Voltage Lighting Systems. In a continuing effort to offer the best product possible we reserve the right to change, without notice, specifications or materials. Technical specification sheets that appear on teganlighting.com are the most recent version and supersede all other versions that exist in any other printed or electronic form. Kore-EX5 Module and Cable - 3 year warranty. Refer to Exton Application Guide for details. Consult with an arborist for proper tree installation per the type of tree(s). Tegan Lighting is not liable for any damage/injury as a result of tree installation. Refer to Installation Instructions for more details.



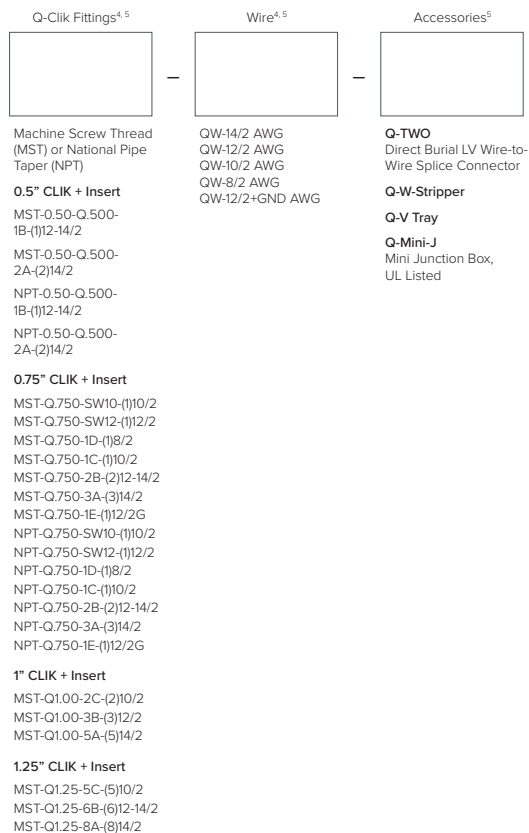
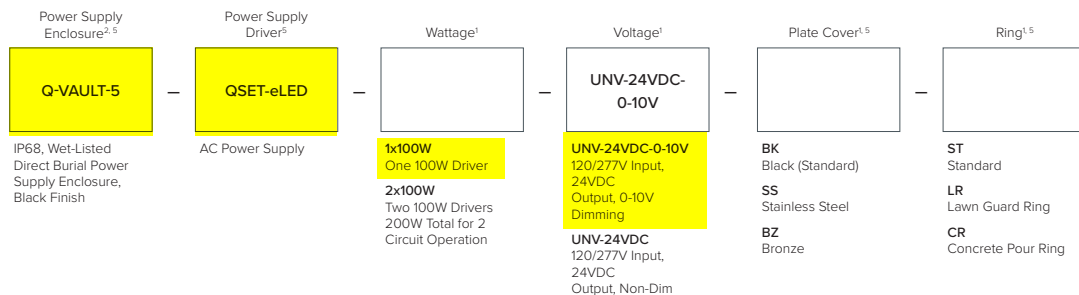
EXTON SYSTEM

IP68 POWER SUPPLIES
Exterior Direct Burial Rated
24VDC, 0-10V DM



CATALOG NUMBER EXAMPLE

**Q-VAULT-5 – QSET – eLED-1X100W –
UNV-24VDC-0-10V – BK – ST**



NOTES

- Select one.
- Order System, LED Modules separately to create a complete System. Refer to Exton LED Module and System spec sheets for options.
- 24VDC operation. 0-10V Dimming.
- For complete water-tight guarantee/warranty/listing from Q-Tran:**
 - Feed in & out of Q-Vault-5 with Conduit and standard exterior fittings**OR**
 - Feed in & out of Q-Vault-5 with Q-Tran's Q-Clk fittings and Q-Wire stranded wire. Warranty & listing are void if one of these required installation methods are not used.
- Refer to Q-Tran's Installation Instructions and Specification Sheets for details.
- Any field modification will void the warranty and listing.

EXTON SYSTEM

IP68 POWER SUPPLIES
Exterior Direct Burial Rated
24VDC, 0-10V DM

POWER SUPPLY ENCLOSURES — DIRECT BURIAL IP68¹



Q-Vault-5-QSET-eLED-1x100W-UNV- 24VDC-0-10V-BK
Q-Vault-5-QSET-eLED-2x100W-UNV- 24VDC-0-10V-BK (2-100W Drivers, 200W Total for 2 circuit operation)

Q-Vault-5 IP68, Remote Mount Direct Burial, 100W or 200W Q-SET-eLED 24VDC 0-10V 120/277V (2- 100W Drivers, 200W Total) Dimming Driver(s), Black Finish. Q-VAULT-5 is completely watertight and comes with complete installation instructions and an easy-to-use sealing kit to ensure a proper installation.

For complete water-tight guarantee from Q-Tran:

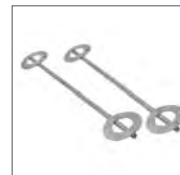
1. Feed in & out of Q-Vault-5 with Conduit and standard exterior fittings.
OR
2. Feed in & out of Q-Vault-5 with Q-Tran's Q-Clík fittings and Q-Wire stranded wire is required. Warranty & listing are void if one of these required installation methods are not used.

Made in America and Build American and Buy America (BABA) Rated.

INSTALLATION ACCESSORIES - SHIPS WITH ENCLOSURES



Q-Vault Installation Kit
Kit includes:
1x epoxy pack
1x epoxy application syringe
1x wad of watertight putty
1x desiccant pouch
1x silver marker
1x installation instructions
1x drilling guide label
1x Hex tool
4x wire ties



Pipe Stabilizing Bars.
Set of two.

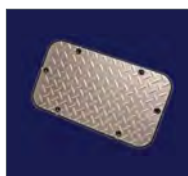


Perforated Drain Pipe

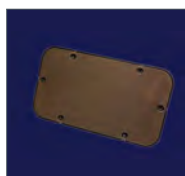
PLATE COVER OPTIONS



Black (Standard)



Stainless Steel



Bronze

RING OPTIONS



Standard



Lawn Guard Ring



Concrete Pour Ring
Nuts & Bolts supplied by Q-Tran.

Q-CLIK



Q-CLIK Inserts

Watertight fitting for entryway in and out of Q-Tran housing. Machine Screw Thread (MST) or National Pipe Taper (NPT).

0.5" CLIK + Insert

MST-0.50-Q.500-1B-(1)12-14/2
MST-0.50-Q.500-2A-(2)14/2
NPT-0.50-Q.500-1B-(1)12-14/2
NPT-0.50-Q.500-2A-(2)14/2

0.75" CLIK + Insert

MST-Q.750-SW10-(1)10/2
MST-Q.750-SW12-(1)12/2
MST-Q.750-1D-(1)8/2
MST-Q.750-1C-(1)10/2
MST-Q.750-2B-(2)12-14/2

MST-Q.750-3A-(3)14/2
MST-Q.750-1E-(1)12/2G
NPT-Q.750-SW10-(1)10/2
NPT-Q.750-SW12-(1)12/2
NPT-Q.750-1D-(1)8/2
NPT-Q.750-1C-(1)10/2
NPT-Q.750-2B-(2)12-14/2
NPT-Q.750-3A-(3)14/2
NPT-Q.750-1E-(1)12/2G

1" CLIK + Insert

MST-Q1.00-2C-(2)10/2
MST-Q1.00-3B-(3)12/2
MST-Q1.00-5A-(5)14/2
1.25" CLIK + Insert
MST-Q1.25-5C-(5)10/2
MST-Q1.25-6B-(6)12-14/2
MST-Q1.25-8A-(8)14/2



Q-Wire

Stranded type "NM" (Non-metallic wire) for Low Voltage exterior runs, underground. Wire Size Options: QW-14/2 AWG, QW-12/2 AWG, QW-10/2 AWG, QW-8/2 AWG, QW-12/2+GND AWG. Wire can be ordered in any cut length up to 200'. For any length over 200', order a 500' reel. Use Q-Tran, Q-Wire with Q-Vault-5 (only).



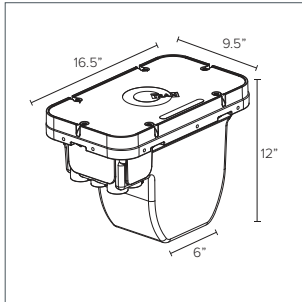
For complete water-tight guarantee/warranty/listing from Q-Tran:

1. Feed in & out of Q-Vault-5 with Conduit and standard fittings
OR
2. Feed in & out of Q-Vault-5 with Q-Tran's Q-Clík fittings and Q-Wire.
Warranty & listing is void if one of these required installation methods are not used.

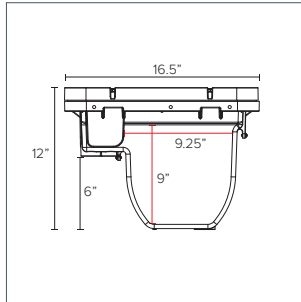
EXTON SYSTEM

IP68 POWER SUPPLIES
 Exterior Direct Burial Rated
 24VDC, 0-10V DM

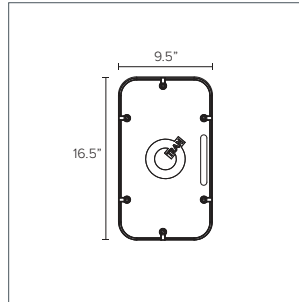
EXTON IP68 24VDC POWER SUPPLIES



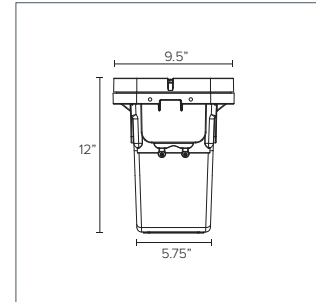
Q-Vault-5
 ISO View



Q-Vault-5
 Side View

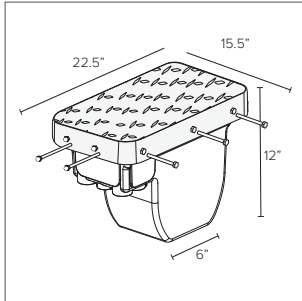


Q-Vault-5
 Housing Door

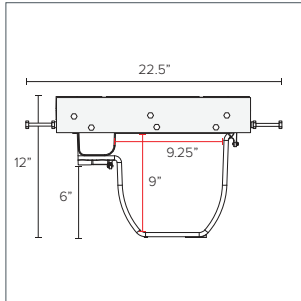


Q-Vault-5
 Front View

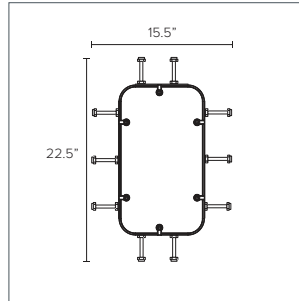
LAWN GUARD RING/CONCRETE POUR RING OPTIONS (Nuts & Bolts for Concrete Only)



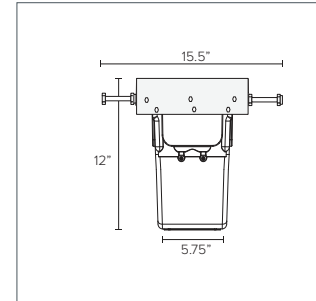
Q-Vault-5 Ring Guard
 ISO View



Q-Vault-5 Ring Guard
 Side View



Q-Vault-5 Ring Guard
 Housing Door



Q-Vault-5 Ring Guard
 Front View

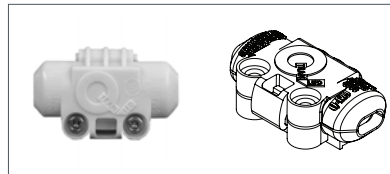
ACCESSORIES



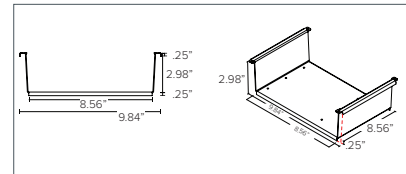
Q-TWO
 Direct burial LV wire to
 wire splice connector.



Q-Wire Stripper
 UF cable outer jacket strip
 tool.



Q-MINI-J
 The mini junction box is a UL listed miniature junction
 box is great for applications where space is limited or
 if a junction box needs to be added at the last minute.
 Rated for 14-22AWG wire and up to 5A of current.



Q-V-Tray
 Q-Vault Tray, Black Finish
 NOTE: Not UL Listed, Contact Factory.

Job Name:

Bloomington Hospital Re-use - Hopewell West
Landscape Architect: Rundell Ernstberger
Associates (Indianapolis)

Catalog Number:

EX5-K-C-FG-BLK EX-C-BLK (PER FT) EX-TSEB-PCSC-BLK
EX-PF-BLK EX-EC-BLK Q-VAULT-5-1-Q-SETL-100-UNV/24
EX-MTBT-BLK ESSL D DISCOUNT R

Notes:**Type:****S6A**

INDY24-115028

EXTON SYSTEM

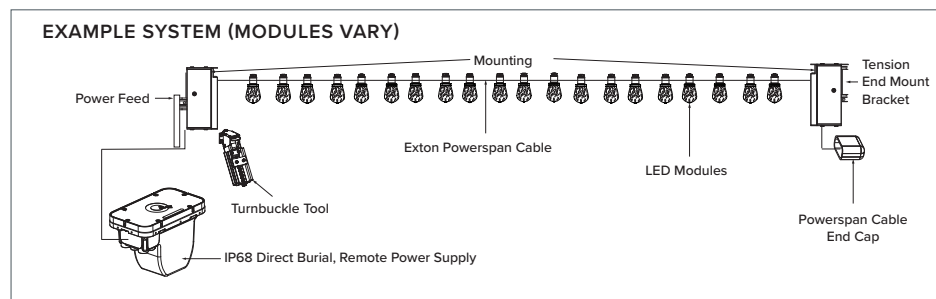
IP68 POWER SUPPLIES
Exterior Direct Burial Rated
24VDC, 0-10V DM

**DIRECT BURIAL, REMOTE POWER SUPPLY IP68 EXTERIOR ENCLOSURE, XXW, 0-10V DIMMING DRIVER(S).
LED MODULE LOADS.¹**

DESCRIPTION	CATALOG CODE
100W - Will operate 12 (max.) Kore-EX5 Modules or 14-ft of EX-SOLO	
Dimming Driver	Q-Vault-5-QSET-eLED-1x100W-UNV-24VDC-0-10V-BLK
200W - Will operate 2 independent spans of 12 Kore-EX5 Modules (max.) or 14-ft L. (max.) of EX-SOLO	
Dimming Driver	Q-Vault5-QSET-eLED-2x100W-UNV-24VDC-0-10V

NOTES:

- Exton System, Pendants, Rigid Trac and LED Modules are specified separately.
- Do not exceed 150 feet between last EX5 module (i.e. the module farthest away from the Power Supply) and the Power Supply.
- Do not group EX5 modules or Solo Linear near the end of a long run. On a 110 foot span, keep the average distance from EX's to Power Supply about 75 feet.
- The length of the Powerspan Cable, and any intermediate remote wiring, must be counted together (i.e. with a 100' span, and 50' of building wire between the start of the span and the powersupply, one would be at the maximum 150' distance).
- Do not operate power supplies in environments above 40C/104F ambient air temperature.
- Do not operate power supplies where the sun's radiation causes any metal surface to be greater than 40°C/104°F.
- Do not operate power supplies below 0°C/-32°F.
- The Polarity of the drivers output to the Exton Powerspan Cable does not matter.
- VOLTAGE DROP:** To calculate the maximum Exton span, add the desired span distance to the wiring distance between the power supply and the start of the Exton span cable. This is the "total run." All wiring used between the power supply and the start of the Exton cable should be 10AWG or thicker.
- At 250W loads, the maximum advisable total run length is 150'. At 100W loads, the total run length is 250'.
- Tegan LED emitters, like all LEDs, undergo a natural depreciation in lumen output. This depreciation is within the specifications of LM-80. Extreme ambient temperatures, dusty environments and power conditions may affect the depreciation. Wattage requirements and lumen output are subject to change with ongoing developments in LED technology.
- The maximum number of Kore-EX5 Modules listed for each Driver option above is based on the following common practice: Recommended DeRating: Like all electronic power supplies, life is significantly increased when loads are 75/80% or less of the nominal power capacity. Best life is in climate controlled conditions, or when the power supply stays below 70°C. The type of enclosure and ambient environment can affect the operating temperature, and therefore the lifetime of the power supply. For all Tegan Lighting enclosures, load power supplies to only 75/80% of their nominal.
- These are general suggestions to increase the life of the supply in moderate climates. The actual operating lifetime of the power supply depends on the actual environment and use. Do not operate the power supplies during the day with direct sunlight with extreme hot temperatures.
- To calculate max capacity for combined EX5-Module and EX-SOLO fixtures on same span, start with max module count and remove (1) module for every (1) foot of SOLO added.



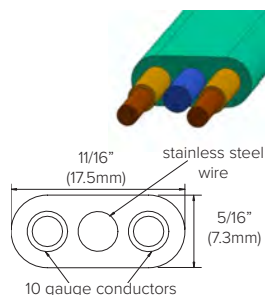
EXTON SYSTEM

IP68 POWER SUPPLIES
Exterior Direct Burial Rated
24VDC, 0-10V DM

COMPATIBLE POWERSPAN CABLE, MOUNTING, LED MODULES & POLES TO CREATE A COMPLETE SYSTEM

(Ordered separately, examples shown here)

[System, LED Modules and Poles](#) Click this link to access the details below.



POWERSPAN CABLE



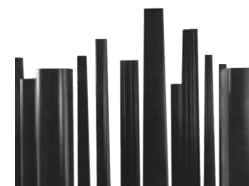
MOUNTING



LED MODULES



POWER FEEDS

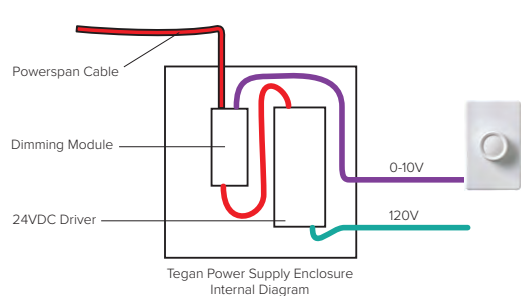


POLES

DIRECT BURIAL, REMOTE POWER SUPPLY — EXTON INSTALLATION GUIDELINES AT A GLANCE

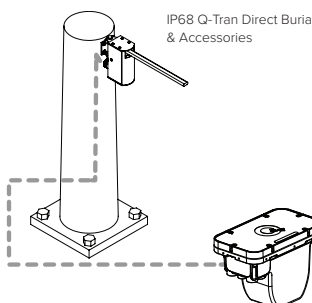
Refer to Installation Instructions Exton Powerspan Cable System

Wiring Installation Guidelines for Remote Power Supplies



Tegan's Power Supplies consist of an enclosure with a 24VDC driver and an optional Dimmer Module. **Wire into the output of a dedicated Exton 24VDC driver provided by Tegan Lighting (only).**

Remote Power Installation



Exterior Power Supply Enclosure(s) IP68 Direct Burial Q-Tran, Pole, Tension End Mount Bracket, Powerspan Cable, Cable Gland + Lock Nut. Wiring per Code by others.

NOTE: Q-TRAN ACCESSORIES MUST BE INSTALLED AS PER Q-TRAN INSTALLATION INSTRUCTIONS. IF NOT INSTALLED PROPERLY, WARRANTY AND LISTING ARE VOID.



Keep distance from Power Supply to last fixture less than 150'. Exceeding this distance can result in malfunctioning (dark or flickering) Exton modules.

Job Name:

Bloomington Hospital Re-use - Hopewell West
Landscape Architect: Rundell Ernstberger
Associates (Indianapolis)

Catalog Number:

EX5-K-C-FG-BLK EX-C-BLK (PER FT) EX-TSEB-PCSC-BLK
EX-PF-BLK EX-EC-BLK Q-VAULT-5-1-Q-SETL-100-UNV/24
EX-MTBT-BLK ESSLD DISCOUNT R

Notes:**Type:****S6A**

INDY24-115028

EXTON SYSTEM

IP68 POWER SUPPLIES
Exterior Direct Burial Rated
24VDC, 0-10V DM



Category	Tegan Lighting offers a wide variety of 24VDC drivers that are compatible with Exton Monopoints and Systems for various layouts. For direct burial applications Tegan offers Q-Tran's IP68 Q-Vault Remote Power Supply. These drivers provide 24VDC, constant voltage output, with 0-10V dimming.
Exterior Enclosure	<p>Direct burial IP68 Q-Vault-5 housing with 1 or 2 LED 24VDC drivers to provide a clean minimalist aesthetic.</p> <p>Q-Vault-5-QSET-eLED-1x100W-UNV-24VDC-0-10V-BK Q-Vault-5-QSET-eLED-2x100W-UNV-24VDC-0-10V-BK (for 2 Circuit operation)</p> <p>For complete water-tight guarantee from Q-Tran:</p> <ol style="list-style-type: none"> 1. Feed in & out of Q-Vault-5 with <u>Conduit</u> and standard fittings OR 2. Feed in & out of Q-Vault-5 with Q-Tran's Q-Clik fittings and Q-Wire stranded wire is required. Warranty & listing are void if one of these required installation methods are not used. <p>Q-Vault-5 ships with a Perforated Drain Pipe, Stabilizing Bars and a Q-Vault Installation kit. Refer to Q-Vault-Housing Options Spec Sheet.</p>
Material/Finish	Housing: Compression Mold. Refer to Q-Vault5 Specification Sheet.
Systems	Ordered separately. Exton Monopoint, Exton Powerspan Cable, Exton Rigid Trac. Remote Power Supplies are required for all Exton Powerspan, Rigid Trac, and Monopoint Systems. Refer to Specsheets and Installation Sheets for System details
Drivers	The Exton Series can only be installed with Tegan Lighting or Q-Tran Q-Vault power supplies (as listed here). Refer to Installation Instructions and Specsheets for details. Alternative drivers void the Listing and Warranty.
Q-Wire/ Q-Clik:	<p>Q-Wire is stranded type "NM" (Non-metallic wire) for outdoor, underground and residential (single dwelling indoor) Low Voltage runs. Wire Size Options: QW-14/2 AWG, QW-12/2 AWG, QW-10/2 AWG, QW-8/2 AWG, QW-12/2+GND AWG.</p> <p>Wire can be ordered in any cut length up to 200'. For any length over 200', order a 500' reel. Use Q-Wire with Q-Vault-5 (only). Refer to Q-Wire Specsheets for details and Wire Length Table for proper wire size vs. remote distance.</p>
Accessories	Q-MINI-J - Exterior miniature J-Box, Q-TWO - Direct burial LV wire-to-wire splice connector, Q-W-Stripper - Q-Wire Stripper, Q-V-Tray - Q-Vault Tray Black Finish.
Installation	<p>For complete water-tight guarantee from Q-Tran:</p> <ol style="list-style-type: none"> 1. Feed in & out of Q-Vault-5 with <u>Conduit</u> and standard exterior fittings. OR 2. Feed in & out of Q-Vault with Q-Tran's Q-Clik fittings and Q-Wire. Warranty & listing is void if one of these required installation methods are not used. Refer to Q-Tran Installation Instructions and Specsheets for details.
Labels	Refer to Q-Vault Installation Instructions for listing information. In a continuing effort to offer the best product possible we reserve the right to change, without notice, specifications or materials. Technical specification sheets that appear on teganlighting.com are the most recent version and supersede all other versions that exist in any other printed or electronic form.

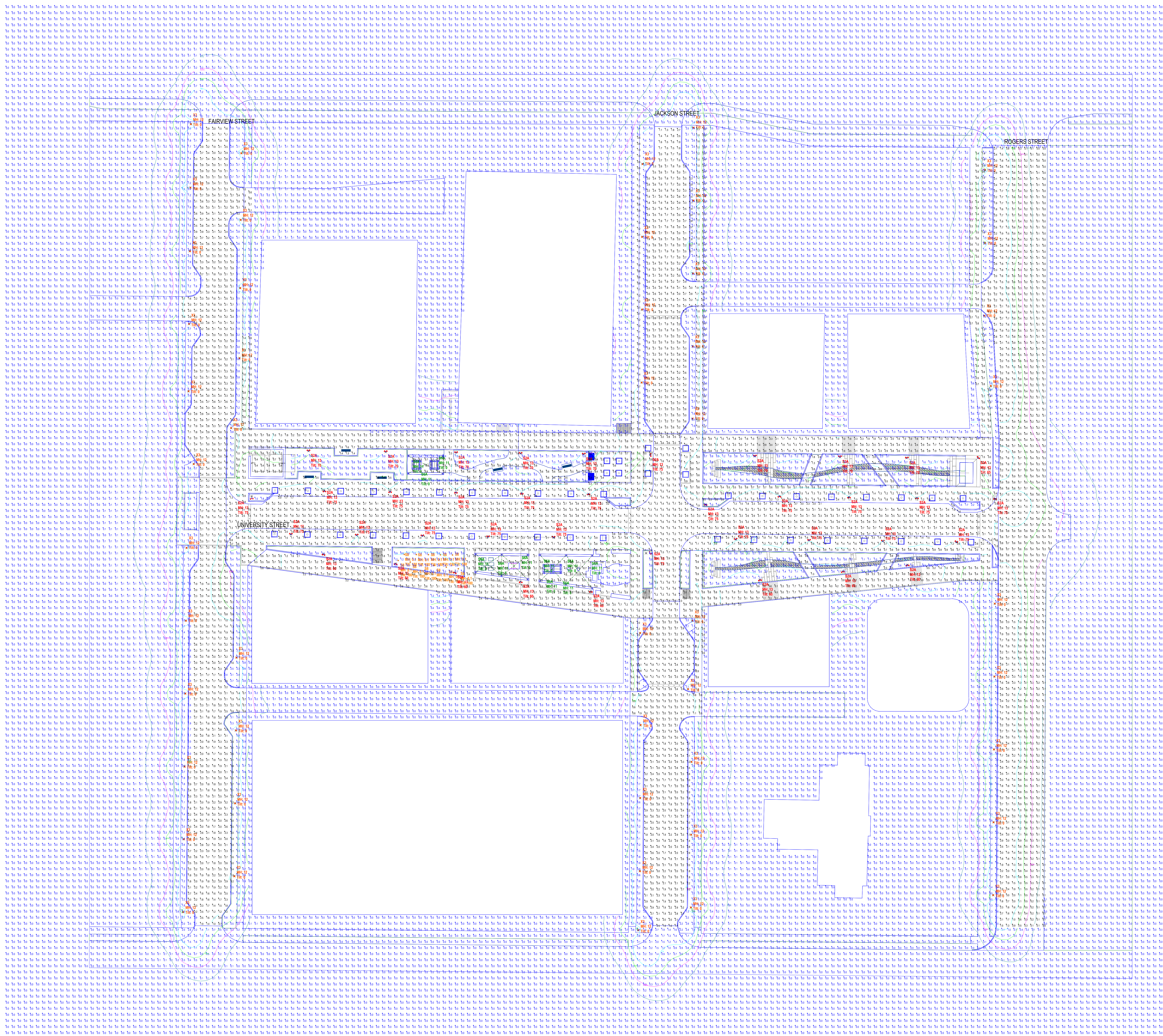
PROJECT NAME: BLOOMINGTON HOPEWELL SITE
PROJECT NUMBER: 20240024-SP
DATE: 5-24-24

PHOTOMETRIC PLAN DESIGNED BY ESL-SPECTRUM
WWW.ESL-SPECTRUM.COM
PHONE: 317.951.2300

ESL-Spectrum's services are for estimation purposes only, and are not warranties.
Final design and illumination levels must be determined and specified by an electrical engineer.
Field results may differ from computer predictions because of many uncontrollable factors and adverse test conditions such as:
line voltage variations, lamp performance, product manufacturing tolerances, jobsite conditions, and other unrecoverable light-loss factors.

THE FIXTURE TYPE(S) AND LAMPING(S) SPECIFIED ON THIS LAYOUT MUST BE USED IN ORDER TO MEET THE EXACT CRITERIA AND PERFORMANCE DATA SHOWN.
IES RECOMMENDED ILLUMINANCE TARGETS USED WHERE APPLICABLE.





PHOTOMETRIC PLAN DESIGNED BY ESL SPECTRUM
 WWW.ESL-SPECTRUM.COM
 PHONE: 317.951.2300

Luminaire Schedule

Symbol	Qty	Label	Arrangement	Lum. Watts	Lum. Lumens	ULF	Manufacturer	Description
⊙	39	SSA	2 @ 150 DEGREES	30	3495	0.850	LANDSCAPE	FAIRVIEW-14 POLE
⊙	102	SEA	Single	2.83	309	0.850	TEGAN	EXS-K-C-FG-xx
⊙	11	S8	SINGLE	13.6	1010	0.850	KIM LIGHTING	LTV8FF-NF-12LAK
⊙	49	X3	Single	50.02	4623	0.850	DUKE	AVPLZ P103 XXXX 30K R3 RNA

CALCULATIONS ARE MAINTAINED HORIZONTAL ILLUMINANCE FIGURES IN FOOT-CANDELS
 POINTS SHOWN ARE AT GRADE
 FIXTURE MOUNTING HEIGHTS ARE SPECIFIED NEXT TO FIXTURES AS "MH"
 SEA FIXTURES ARE SPACED 3'-0" ON CENTER

Calculation Summary

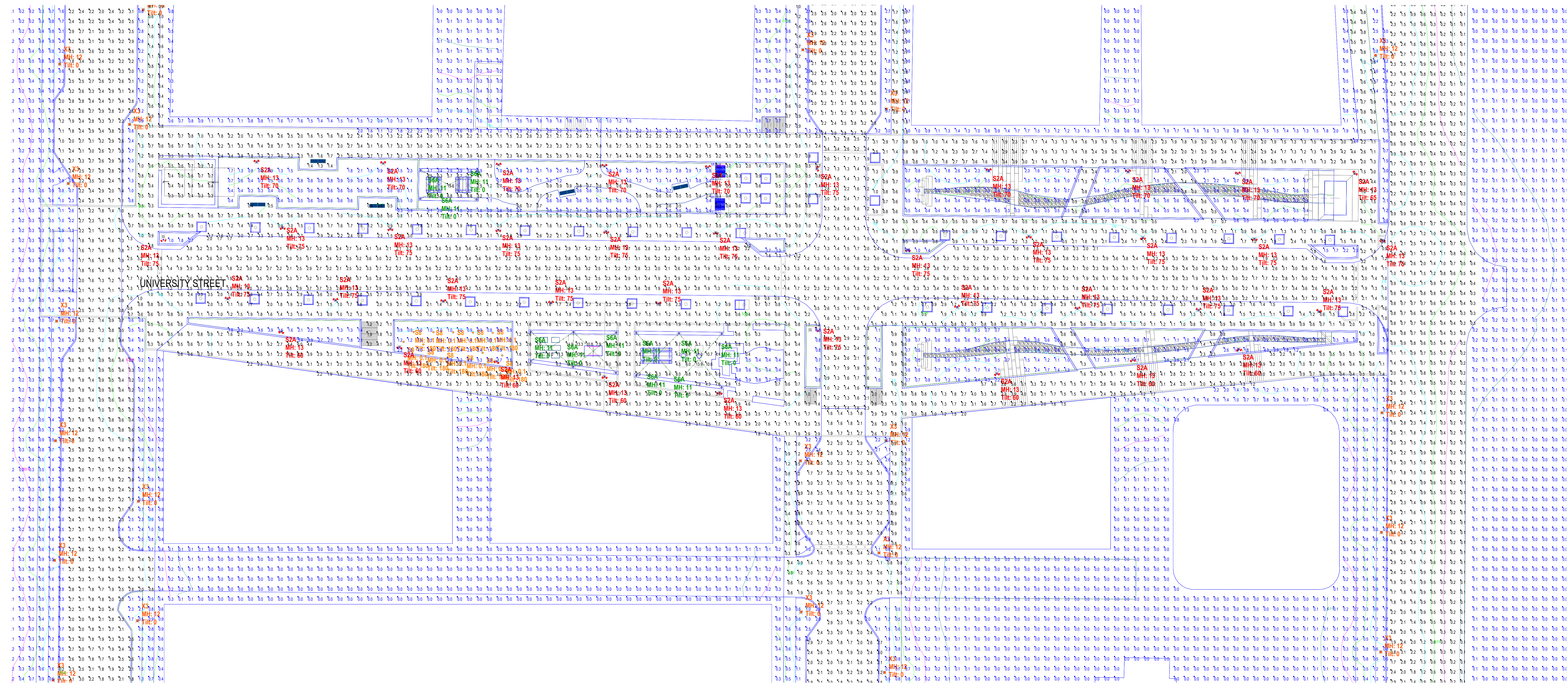
Project: 20240024-SP BLOOMINGTON HOPEWELL - SITE LIGHTING R2 5-24-24

Label	Cat Type	Units	Avg	Max	Min	Avg/Mn	Max/Mn
EAST SIDEWALKS 1_Grade	Illuminance	Fc	1.26	1.9	0.2	6.3	9.5
EAST SIDEWALKS 2_Grade	Illuminance	Fc	1.11	5.7	0.4	4.28	14.25
FAIRVIEW STREET_Grade	Illuminance	Fc	2.17	3.8	0.2	10.55	18.00
JACKSON ST NORTH_Grade	Illuminance	Fc	2.20	0.1	0.1	22.00	35.00
JACKSON ST SOUTH_Grade	Illuminance	Fc	2.15	3.5	0.2	10.75	17.50
PERIMETER_Grade	Illuminance	Fc	0.17	5.4	0.0	N.A.	N.A.
ROGERS STREET_Grade	Illuminance	Fc	0.60	0.0	0.0	N.A.	N.A.
UNIVERSITY STREET_Grade	Illuminance	Fc	1.34	4.2	0.8	2.93	5.25
WEST SIDEWALKS 1_Grade	Illuminance	Fc	1.52	15.6	0.2	7.60	78.00
WEST SIDEWALKS 2_Grade	Illuminance	Fc	2.75	15.5	0.3	9.17	51.67

ESL Spectrum's services are for information purposes only and are not warranties.
 Final design and installation levels must be determined and specified by a electrical engineer.
 Our results may differ from computer predictions due to a variety of environmental factors and site conditions such as:
 site obstructions, lamp performance, product manufacturing tolerances, pole conditions and other unmodeled site factors.

THE FIXTURE TYPES AND LUMINAIRES SPECIFIED ON THIS LAYOUT MUST BE USED IN ORDER TO MEET THE EXACT CRITERIA AND PERFORMANCE DATA SHOWN.
 IF SUBSTITUTES ARE REQUIRED, CONTACT US AT WWW.ESL-SPECTRUM.COM

SITE LIGHTING - PLAN VIEW
 Scale: 1 inch = 30 Ft.



SITE LIGHTING - ENLARGED PLAN VIEW
Scale: 1 inch = 20 Ft.

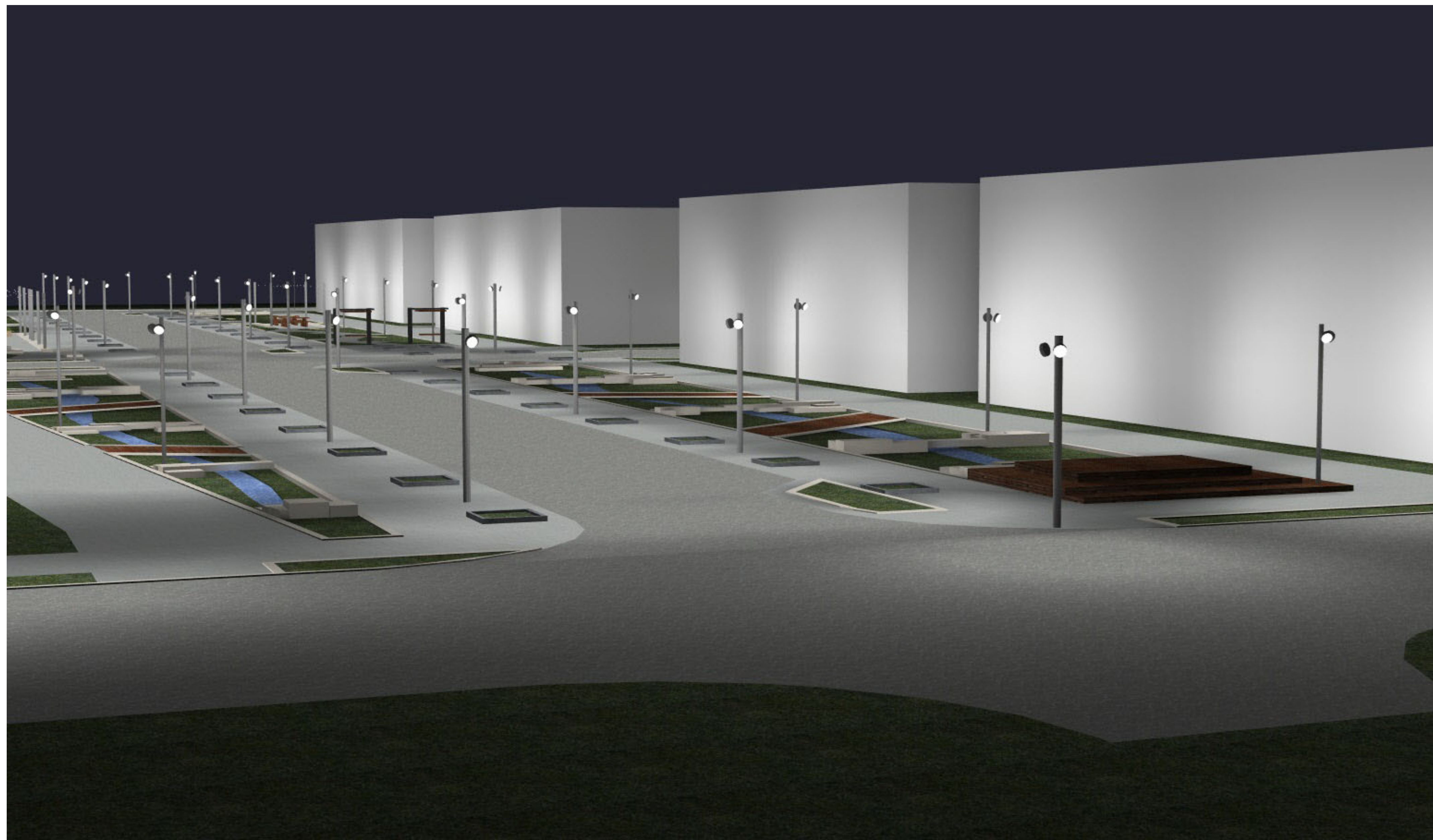
PHOTOMETRIC PLAN DESIGNED BY ESL-SPECTRUM
WWW.ESL-SPECTRUM.COM
PHONE: 317.951.2300

Luminaire Schedule								
Symbol	Qty	Label	Arrangement	Lum. Watts	Lum. Lumens	LLF	Manufacturer	Description
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○	102	SEA	Single	21.83	309	0.850	TESSAN	EXK4-C-FIX-IX
○	11	SB	SINGLE	13.6	1010	0.850	KIM LIGHTING	LV183FF-NF-12L4K
○	49	X3	Single	50.02	4623	0.850	DUKE	AVPL2 P103 XXXXX 30X R3 RNA

CALCULATIONS ARE MAINTAINED HORIZONTAL ILLUMINANCE FIGURES IN FOOT-CANDELS
POINTS SHOWN ARE AT GRADE
FIXTURE MOUNTING HEIGHTS ARE SPECIFIED NEXT TO FIXTURES AS "MH"
SEA FIXTURES ARE SPACED 3'-0" ON CENTER

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	AvgMin	MaxMin
EAST SIDEWALKS 1 Grade	Illuminance	Fc	1.28	4.4	0.2	6.40	22.00
EAST SIDEWALKS 2 Grade	Illuminance	Fc	1.71	5.7	0.4	4.28	14.25
FAIRVIEW STREET Grade	Illuminance	Fc	2.11	3.8	0.2	10.55	19.00
JACKSON ST NORTH Grade	Illuminance	Fc	2.20	3.6	0.1	22.00	36.00
JACKSON ST SOUTH Grade	Illuminance	Fc	2.15	3.5	0.2	10.75	17.50
PERIMETER Grade	Illuminance	Fc	0.17	5.4	0.0	N.A.	N.A.
ROGERS STREET Grade	Illuminance	Fc	0.90	3.2	0.0	N.A.	N.A.
UNIVERSITY STREET Grade	Illuminance	Fc	2.34	4.2	0.8	2.90	5.25
WEST SIDEWALKS 1 Grade	Illuminance	Fc	1.52	15.6	0.2	7.60	76.00
WEST SIDEWALKS 2 Grade	Illuminance	Fc	2.75	15.5	0.3	9.17	51.67

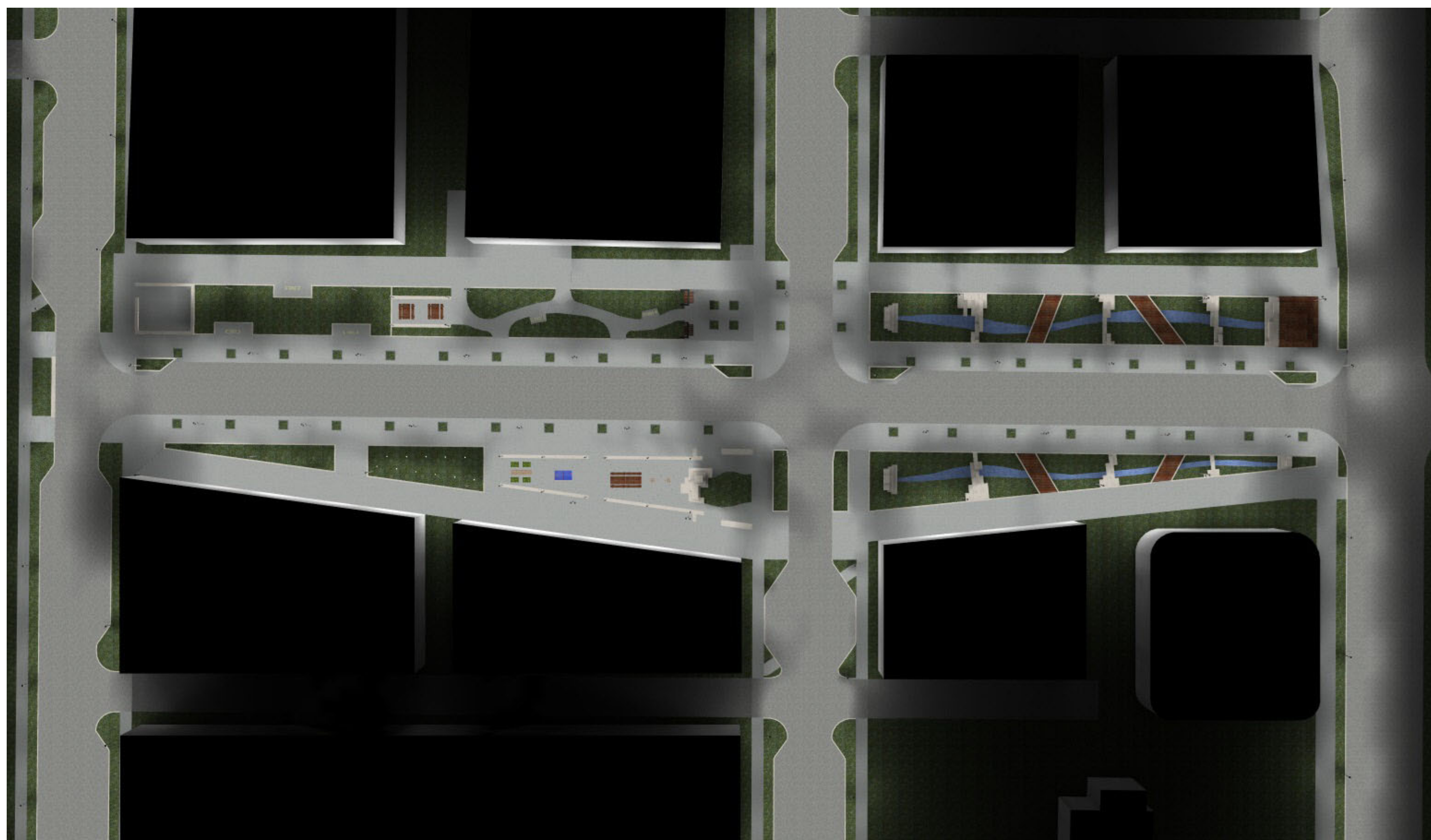
ESL-Spectrum's services are an advisory professional only, and do not constitute:
Final design and construction shall be determined and specified by an electrical engineer.
Field results may differ from computer predictions due to a variety of circumstances including, but not limited to, site conditions, such as:
line voltage variations, lamp performance, product manufacturing tolerances, cable conditions, and other unresolvable light loss factors.
THE FIXTURE TYPES AND LAMPINGS SPECIFIED ON THE LAYOUT MUST BE USED IN ORDER TO MEET THE EXACT CRITERIA AND PERFORMANCE DATA SHOWN.
©ESL-SPECTRUM ILLUMINANCE TARGETS USED WHERE APPLICABLE.



RENDER IMAGE 1: NTS



RENDER IMAGE 2: NTS



RENDER IMAGE 3: NTS



RENDER IMAGE 4: NTS

Outdoor Lighting Poles



Subject to variance from manufacturer. Contact us for region specific details.



Style A

Round, smooth, tapered shaft available in varying heights, anchor-based or direct buried

Mounting heights 12', 15', 20', 25', 30', 35'

Colors Bronze
Black
Gray
Green*
White*

Materials Aluminum
Steel

Foundation Anchor Base (AB) or Direct Bury (DB) (Flush or Reveal**)

Style B

Round, smooth, straight upper shaft with a fluted lower shaft, round base and rectangular base cover

Mounting height 12', 17'

Colors Black
Green

Material Aluminum

Foundation AB required (Flush or Reveal**)

Style C

Round, fluted, straight upper shaft with a lower round, fluted, tapered base

Mounting heights 12', 16', 25'

Colors Black
Green

Materials Aluminum
Steel

Foundation AB required (Flush or Reveal**)

Style D

Fluted, tapered shaft with a fluted, round base

Mounting height 12', 25'

Colors Black
Green

Materials Aluminum

Foundation AB required (Flush or Reveal**)

*Not available in all mounting heights

**Flush (1-2" above final grade) or Reveal (24" + exposed above grade)



Outdoor Lighting



TRADITIONAL LED

LED
(Light-emitting diode) 50 watts

Mounting height 12'-24'

Color Black
Green

Pole Style A Style D
Style B Style E
Style C Style F

Applications Neighborhoods
Parks
Shopping centers
Streets

Light source: LED

Wattage: 50 watts

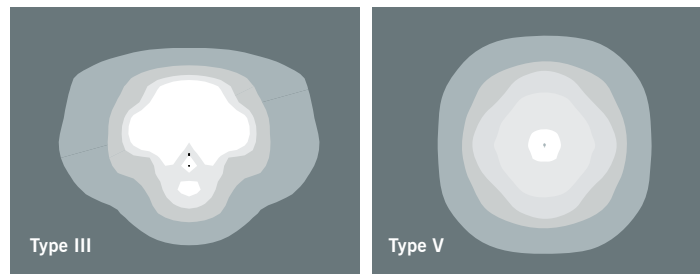
Lumens: 4,215 | 4,761

Light pattern: IESNA Type III | Type V

IESNA cutoff classification: Semi-cutoff

BUG rating: B2U3G2

Color temperature: 3,000K | 4,000K



Light distribution patterns

POLE AVAILABLE

Aluminum

MOUNTING HEIGHT

12', 15', 17', 19', 24'

COLOR

Black, Green

FEATURES

Turnkey operation

Little or no installation cost

Design services by lighting professionals included

Maintenance, electricity & warranty included

One low monthly cost on your electric bill

BENEFITS

Provides hassle-free installation and service

Frees up capital for other projects

Meets industry standards and lighting ordinances

Eliminates high and unexpected repair bills

Convenience and savings for you

Products and specifications are subject to change

For additional information, contact us at ODLMidwest@duke-energy.com.



Outdoor Lighting



Board of Public Works Staff Report

Project/Event: Amendment 1 to Consultant Contract with CrossRoad Engineers, PC. for Preliminary Engineering Services for the Hopewell West - Jackson Street Project

Petitioner/Representative: Engineering Department

Staff Representative: Kendall Knoke, Project Engineer

Date: 06/18/2024

Report: This project will subdivide the site of the former IU Health Bloomington Hospital and construct a new portion of S Jackson St, an alley, and improvements along S Rogers St primarily adjacent to the Kohr building. The project is funded by TIF funds for design and construction that are being reimbursed through the \$1.8 million Regional Economic Acceleration and Development Initiative (READI) Grant. READI has reviewed and approved the amended design contract scope of work. The City has an existing preliminary engineering contract with Crossroad Engineers, PC with a not-to-exceed amount of \$606,640. This amendment will add additional design to bring the infrastructure plans for the site from 30% to 60% to allow the plat to be finalized as well as add additional design for improvements to S Rogers St. The not-to-exceed contract amount will increase by \$157,500 to a new total of \$764,140. Construction of this project is anticipated to begin in 2025. The amended contract will be brought next to the City’s Redevelopment Commission (RDC) on July 1, 2024 for funding approval. Funding source = Adam’s Crossing Area Consolidated TIF 439-15-159001-53990, to be fully reimbursed by READI.

<u>Project Approvals Timeline</u>		
<u>Approval Type</u>	<u>Status</u>	<u>Date</u>
Funding Approval	Pending – RDC Approval*	Anticipated 07/01/2024
Design Services Contract**	Current Item	06/18/2024
ROW Services Contract	N/A	--
Public Need Resolution	N/A	--
Construction Inspection Contract	N/A	--
Construction Contract	Future	Fall/Winter 2025

*Funding for the original contract was approved by the RDC on 05/01/2023. Amended contract will be brought to the RDC on 07/01/2024 for approval of the additional funding

**Original Design Contract Approved 04/25/2023

City of Bloomington Contract and Purchase Justification Form

Vendor: Crossroad Engineers, PC

Contract Amount: \$764,140

This form should be completed and attached to the contract documents and forwarded to the Legal Department Attorney assigned to your Department. Contracts will not be approved by the Controller if a completed form is not included with the contract documents.

PURCHASE INFORMATION

1. Check the box beside the procurement method used to initiate this procurement: (Attach a quote or bid tabulation if applicable)

<input type="checkbox"/> Request for Quote (RFQ)	<input checked="" type="checkbox"/> Request for Proposal (RFP)	<input type="checkbox"/> Sole Source	<input type="checkbox"/> Not Applicable (NA)
<input type="checkbox"/> Invitation to Bid (ITB)	<input type="checkbox"/> Request for Qualifications (RFQu)	<input type="checkbox"/> Emergency Purchase	

2. List the results of procurement process. Give further explanation where requested. Yes No

# of Submittals: 3	Yes	No	Was the lowest cost selected? (If no, please state below why it was not.)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Met city requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The design firm was selected based upon the most qualified for the job not cost. It is standard practice for contracts of this type that cost is not considered in selection. Typically the most qualified firm will design the most cost effective project for the City.		
Met item or need requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Was an evaluation team used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Was scoring grid used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Were vendor presentations requested?	<input type="checkbox"/>	<input checked="" type="checkbox"/>			

3. State why this vendor was selected to receive the award and contract:

Crossroad Engineers were selected to design this project from a competitive RFI process in which their response received the highest score out of three proposals.

Kendall Knoke

Print/Type Name

Project Engineer

Print/Type Title

Engineering

Department

**ADDENDUM TO AGREEMENT FOR CONSULTING SERVICES
FOR HOPEWELL WEST – JACKSON STREET
WITH CROSSROAD ENGINEERS, PC**

This Addendum supplements the Agreement for Consulting Services with CrossRoad Engineers, PC (“Agreement”) for the Hopewell West – Jackson Street Project which was entered into on May 8, 2023, as follows:

1. **See Scope of Engineering Services**: Exhibit A of the Agreement describes the tasks to be provided by CrossRoad Engineers, PC, during this Project. Exhibit A is hereby amended to include the supplementary information contained in Attachment 1.

2. **See Article 4. Compensation and Exhibit B Compensation**: The City shall pay CrossRoad Engineers, PC an amount not to exceed \$157,500.00 for the additional Engineering Services as described in Attachment 2. The not to exceed amount for the entire project shall be \$764,140. Exhibit B is hereby amended to include the supplementary information contained in Attachment 2.

3. In all other aspects, the Agreement shall remain in effect as originally written.

IN WITNESS WHEREOF, the parties have caused this Addendum to be executed on the day and year last written below.

OWNER

CONSULTANT

Kyla Cox Deckard
President, Board of Public Works

Trent Newport, PE, LS
President

Elizabeth Karon
Vice President, Board of Public Works

Date: _____

James Roach
Secretary, Board of Public Works

Date: _____

Margie Rice
Corporation Counsel, Office of the Mayor

Date: _____

Attachment 1

SCOPE OF SERVICES SUPPLEMENT NO. 1

The CONSULTANT shall be responsible for performing the following additional activities:

- A. Topographic Survey, Boundary, and Platting** – CONSULTANT shall utilize a subconsultant, BRCJ, to perform these services. BRCJ propose to provide a legal description for the Kohr development. BRCJ propose to provide an alley vacation document prior to the approval of the Secondary Plat for Hopewell West.
- B. Meetings and Coordination** – In general, this task involves meetings necessary to achieve final approval of the Secondary Plat for Hopewell West.
- C. Road Design and Plan Preparation** – In general, this task involves the preparation of design plans to allow the proposed project to be constructed.

The CONSULTANT will adjust completed design of all applicable roadway segments, geometry, and utility infrastructure to appropriately tie into the Hopewell East project after changes to vertical controls are identified.

The CONSULTANT will complete full design of South Rogers Street. CONSULTANT will prepare plans, specifications, and estimates of cost, which shall be in accordance with the accepted standards for such work and in general accordance with the following documents in effect as of the Effective Date of this Agreement: American Association of State Highway and Transportation Officials' "A Policy on Geometric Design of Highways and Streets"; Indiana Manual on Uniform Traffic Control Devices; and Indiana Design Manual.

Construction drawings will be prepared in accordance with state and local laws and ordinances and will include the following:

- a. Title Sheet/Index
- b. Typical Sections
- c. Roadway Construction Details
 - i. Road Plan & Profiles
 - ii. Construction Details
 - iii. Road Cross Sections
- d. Intersection Construction Details
 - i. Grading spot elevations
 - ii. Pavement marking
- e. Stormwater Drainage Design
 - i. Plan and profiles as necessary
 - ii. Drainage structure details
- f. Erosion Control Plan
 - i. Consistent with local MS4 requirements for CSGP conformance
- g. Miscellaneous Details and Specifications, including lighting design.
- h. Water Main and Sanitary Sewer Main design and details
 - i. Landscape plans and details
- j. Cross Sections

Attachment 1

CONSULTANT will complete 60% design of Fairview Street, University Street, and the alleys within the project area. This design will establish the geometries, profile grades, grading, and utility infrastructure to achieve Secondary Plat approval and to provide a basis for future development and infrastructure projects. For these segments, civil plans will be developed to approximately 60% stage. Construction drawings and CAD files up to 60% will be prepared in accordance with state and local laws and ordinances.

Attachment 2

COMPENSATION SUPPLEMENT NO. 1

The CONSULTANT shall be paid for the following additional work performed under this Agreement on a lump sum basis in accordance with the following schedules:

A. Topographic Survey, Boundary, and Platting	
a. BRCJ Legal Description for Kohr	\$1,000
b. BRCJ Alley Vacation	\$1,000
B. Meetings and Coordination	
a. Secondary Plat Meetings and Coordination	\$3,300
C. Road Design and Plan Preparation	
a. 60% Design for Secondary Plat Approval	\$143,100
b. Design Changes for Hopewell East	\$5,600
c. Full Design of S Rogers Street	<u>\$33,500</u>
Total Section	\$157,500

PROJECT NAME: Hopewell West – Jackson Street

AGREEMENT FOR CONSULTING SERVICES

This Agreement, entered into on this 8th day of May, 2023, by and between the City of Bloomington Engineering Department through the Board of Public Works (hereinafter referred to as "Board"), and CrossRoad Engineers, P.C., (hereinafter referred to as "Consultant"),

WITNESSETH:

WHEREAS, the Board wishes to enhance the services it provides by engaging in efforts to redevelop the Hopewell West site; and

WHEREAS, the Hopewell West site is better described as follows:

Fairview Street, University Street, Jackson Street from 1st Street to University Street, and the alleys within the project area; and

WHEREAS, the Board requires the services of a professional engineering consultant in order to perform tasks including the preparation of site designs, coordination with City, CBU, and private utilities staff, and also the preparation of plans, specifications and cost estimates, which shall be hereinafter referred to as "Services"; and

WHEREAS, it is in the public interest that such Services be undertaken and performed; and

WHEREAS, Consultant is willing and able to provide such Services to the Board; and

WHEREAS, the Consultant is aware the project is funded by the Regional Economic Acceleration & Development Initiative through the American Rescue Plan Act and subject to all terms and conditions of the City of Bloomington Redevelopment Commission's Grant Agreement with the Regional Opportunity Initiatives included in this agreement as Attachment 1;

NOW, THEREFORE, in consideration of the mutual covenants herein contained, the parties hereto agree as follows:

Article 1. Scope of Services: Consultant shall provide preliminary design of Fairview Street, University Street, Jackson Street, and the alleys within the project area. This preliminary design will establish the geometries and profile grades to provide a basis for future development and infrastructure projects. The Consultant will complete full design of Jackson Street from 1st Street to University Street. Construction of that street segment will provide access for the Kohr Building development. As funding allows, the Consultant may complete further design of Fairview and University Streets and/or preliminary design of the New Greenway amenities described in the Master Plan. The tasks associated with this work, and assumptions that are

applicable to those tasks, are set forth in Exhibit A, Scope of Work. Exhibit A is attached hereto and incorporated herein by reference as though fully set forth.

Consultant shall diligently pursue its work under this Agreement and shall complete the Services as described in Exhibit A in a timely manner. Consultant shall perform all Services as expeditiously as is consistent with professional skill and care and the orderly progress of the work.

In the performance of Consultant's work, Consultant agrees to maintain such coordination with the Board as may be requested and desirable, including primary coordination with the Engineering Department officials designated by the Board as project coordinator(s).

Consultant agrees that any information or documents, including digital GIS information, supplied by the Board pursuant to Article 3, below, shall be used by Consultant for this project only, and shall not be reused or reassigned for any purpose.

Article 2. Standard of Care: Consultant shall perform all services under this Agreement in a skillful and competent manner in accordance with normally accepted standards of the architectural and engineering professions and with that degree of care and skill which a professional engineer or architect would exercise under the same or similar circumstance.

Article 3. Responsibilities of the Board: The Board shall have the following responsibilities under this Agreement and shall meet these responsibilities in a timely manner so as not to delay the orderly progress of the Services, and Consultant shall be entitled to rely upon the accuracy and completeness of information supplied by the Board:

A. Information/Reports

Provide Consultant with reports, studies, site characterizations, regulatory decisions and similar information relating to the Services that Consultant may rely upon without independent verification unless specifically identified as requiring such verification.

B. Representative

The Board hereby designates Patrick Dierkes, Project Engineer, Engineering Department, to serve as the Board's representative for the project. Patrick shall have the authority to transmit instructions, receive information, interpret and define the Board's requirements and make decisions with respect to the Services.

c. Decisions

Provide all criteria and full information as to Board's requirements for the Services and make timely decisions on matters relating to the Services.

Article 4. Compensation: The Board shall pay Consultant a fee based on the payment schedule set forth in Exhibit B – Compensation. Exhibit B is attached hereto and incorporated herein by reference as though fully set forth. These sums include salaries, payroll taxes and insurance, employee fringe benefits, general overhead costs, profit, and project related expenses. Payments will be made according to Consultant's monthly progress statements for each phase and shall be invoiced for the work completed only.

Additional assignments or additional services not set forth in Exhibit A, changes in work, or incurred expenses in excess of the rates set forth in Exhibit B must be authorized in writing by the Board or the Board's designated representative prior to such work being performed, or expenses incurred. The Board shall not make payment for any unauthorized work or expenses. Claims for additional work or expenses must be submitted within thirty (30) days of the completion of the work or expenditure, and must be accompanied by a statement of itemized costs.

1. Timing and Format for Billing:

Invoices shall be submitted monthly for Services completed at the time of billing and are due upon receipt. Invoices shall be considered past due if not paid within forty-five (45) calendar days of the due date. Such invoices shall be prepared in a form supported by documentation as the Board may reasonably require.

Tasks shall be invoiced separately, either as separate lines on a single invoice, or on separate invoices at the Board's direction.

2. Billing Records:

Consultant shall maintain accounting records of its costs in accordance with generally accepted accounting practices. Access to such records will be provided during normal business hours with reasonable notice during the term of this Agreement and for 3 years after completion.

Article 5. Appropriation of Funds: Notwithstanding any other provision of this Agreement, if funds for the continued fulfillment of this Agreement by the Board are at any time not forthcoming or are insufficient, through failure of any entity, including the Board itself, to

appropriate funds or otherwise, then the Board shall have the right to terminate this Agreement without penalty as set forth in Article 7 herein.

Article 6. Schedule: Consultant shall perform the Services according to the schedule set forth in Exhibit C, Project Schedule. Exhibit C is attached hereto and incorporated herein by reference as though fully set forth. The time limits established by this schedule shall not be exceeded, except for reasonable cause as mutually agreed by the parties.

Article 7. Termination: In the event of a party's substantial failure to perform in accordance with the terms of this Agreement, the other party shall have the right to terminate the Agreement upon written notice. The nonperforming party shall have fourteen (14) calendar days from the receipt of the termination notice to cure or to submit a plan for cure acceptable to the other party.

The Board may terminate or suspend performance of this Agreement at the Board's prerogative at any time upon written notice to the Consultant. The Consultant shall terminate or suspend performance of the Services on a schedule acceptable to the Board, and the Board shall pay the Consultant for all the Services performed up to the date that written notice is received, plus reasonable termination or suspension expenses. Upon restart, an equitable adjustment shall be made to the Consultant's compensation and the schedule of services.

Upon termination or suspension of this Agreement, all finished or unfinished reports, drawings, collections of data and other documents generated by Consultant in connection with this Agreement shall become the property of the Board, as set forth in Article 11 herein.

Article 8. Identity of Consultant: Consultant acknowledges that one of the primary reasons for its selection by the Board to perform the duties described in this Agreement is the qualification and experience of the principal personnel whom Consultant has represented will be responsible there for. Consultant thus agrees that the work to be done pursuant to this Agreement shall be performed by the principal personnel described in Exhibit D, Key Personnel, and such other personnel in the employ under contract or under the supervision of Consultant. Exhibit D is attached hereto and incorporated herein by reference as though fully set forth. The Board reserves the right to reject any of the Consultant's personnel or proposed outside professional subconsultants, and the Board reserves the right to request that acceptable replacement personnel be assigned to the project.

Article 9. Cost Estimates: All estimates of construction cost to be provided by Consultant shall represent the best judgment of Consultant based upon the information currently available and

upon Consultant's background and experience with respect to projects of this nature. It is recognized, however, that neither Consultant nor the Board has control over the cost of labor, materials or equipment, over contractors' method of determining costs for services, or over competitive bidding, market or negotiating conditions. Accordingly, Consultant cannot and does not warrant or represent that the proposals or construction bids received will not vary from the cost estimates provided pursuant to this Agreement.

Article 10. Reuse of Documents: All documents, including but not limited to, drawings, specifications and computer software prepared by Consultant pursuant to this Agreement are instruments of service in respect to this project. They are not intended or represented to be suitable for reuse by the Board or others on modifications or extensions of this project or on any other project. The Board may elect to reuse such documents; however, any reuse without prior written verification or adaptation by Consultant for the specific purpose intended will be at the Board's sole risk and without liability or legal exposure to the Consultant. The Board shall indemnify and hold harmless the Consultant against all judgments, losses, damages, injuries and expenses arising out of or resulting from such reuse. Any verification or adaptation of documents by the Consultant will entitle the Consultant to additional compensation at rates to be agreed upon by the Board and the Consultant.

Article 11. Ownership of Documents and Intellectual Property: All documents, drawings and specifications, including digital format files, prepared by Consultant and furnished to the Board as part of the Services shall become the property of the Board. Consultant shall retain its ownership rights in its design, drawing details, specifications, data bases, computer software and other proprietary property. Intellectual property developed, utilized or modified in the performance of the Services shall remain the property of the Consultant.

Article 12. Independent Contractor Status: During the entire term of this Agreement, Consultant shall be an independent contractor, and in no event shall any of its personnel, agents or sub-contractors be construed to be, or represent themselves to be, employees of the Board.

Article 13. Indemnification: To the fullest extent permitted by law, Consultant shall indemnify and hold harmless the City of Bloomington, the Board, and the officers, agents and employees of the City and the Board from any and all claims, demands, damages, costs, expenses or other liability arising out of bodily injury or property damage (collectively "Claims") but only to the extent that such Claims are found on a comparative basis of fault to be caused by any negligent act or omission of Consultant or Consultant's officers, directors, partners, employees, or subconsultants in the performance of services under this Agreement.

Article 14. Insurance: During the performance of any and all Services under this Agreement, Consultant shall maintain the following insurance in full force and effect:

- a. General Liability Insurance, with a minimum combined single limit of \$1,000,000 for each occurrence and \$2,000,000 in the aggregate.
- b. Automobile Liability Insurance, with a minimum combined single limit of \$1,000,000 for each person and \$1,000,000 for each accident.
- c. Professional Liability Insurance ("Errors and Omissions Insurance") with a minimum combined single limit of \$1,000,000 for each occurrence, and \$2,000,000 in the aggregate.
- d. Workers' Compensation Insurance in accordance with the statutory requirements of Title 22 of the Indiana Code.

All insurance policies shall be issued by an insurance company authorized to issue such insurance in the State of Indiana. The City of Bloomington, the Board, and the officers, employees and agents of each shall be named as additional insured under both the General Liability Insurance and Automobile Liability Insurance policies, and the policies shall stipulate that the insurance will operate as primary insurance and that no other insurance effected by the City will be called upon to contribute to a loss hereunder.

Consultant shall provide evidence of each insurance policy to the Board prior to the commencement of work under the Agreement. Approval of the insurance by the Board shall not relieve or decrease the extent to which Consultant may be held responsible for payment of damages resulting from service or operations performed pursuant to this Agreement. If Consultant fails or refuses to procure or maintain the insurance required by these provisions, or fails or refuses to furnish the Board required proof that the insurance has been procured and is in force and paid for, Board shall have the right at Board's election to forthwith terminate the Agreement.

Article 15. Conflict of Interest: Consultant declares that it has no present interest, nor shall it acquire any interest, direct or indirect, which would conflict with the performance of Services required under this Agreement. The Consultant agrees that no person having any such interest shall be employed in the performance of this Agreement.

Article 16. Waiver: No failure of either party to enforce a term of this Agreement against the other shall be construed as a waiver of that term, nor shall it in any way affect the party's right to enforce that term. No waiver by any party of any term of this Agreement shall be considered to be a waiver of any other term or breach thereof.

Article 17. Severability: The invalidity, illegality or unenforceability of any provision of this Agreement or the occurrence of any event rendering any portion or provision of this Agreement void shall in no way affect the validity or enforceability of any other portion or provision of this Agreement. Any void provision shall be deemed severed from this Agreement, and the balance of the Agreement shall be construed and enforced as if it did not contain the particular provision to be held void. The parties further agree to amend this Agreement to replace any stricken provision with a valid provision that comes as close as possible to the intent of the stricken provision. The provisions of this Article shall not prevent this entire Agreement from being void should a provision which is of the essence of this Agreement be determined void.

Article 18. Assignment: Neither the Board nor the Consultant shall assign any rights or duties under this Agreement without the prior written consent of the other party; provided, however, Consultant may assign its rights to payment without the Board's consent. Unless otherwise stated in the written consent to an assignment, no assignment will release or discharge the assignor from any obligation under this Agreement.

Article 19. Third Party Rights: Nothing in this Agreement shall be construed to give any rights or benefits to anyone other than the Board and the Consultant.

Article 20. Governing Law and Venue: This Agreement shall be governed by the laws of the State of Indiana. Venue of any disputes arising under this Agreement shall be in the Monroe County Circuit Court, Monroe County, Indiana.

Article 21. Non-Discrimination: Consultant shall comply with City of Bloomington Ordinance 2.21.020 and all other federal, state and local laws and regulations governing non-discrimination in employment.

Consultant understands that the City of Bloomington prohibits its employees from engaging in harassment or discrimination of any kind, including harassing or discriminating against independent contractors doing work for the City. If the Consultant believes that a City employee engaged in such conduct towards Consultant and/or any of its employees, Contractor or its employees may file a complaint with the City department head in charge of the Consultant's work and/or with the City human resources department or the Bloomington Human Rights Commission. The City takes all complaints of harassment and discrimination

seriously and will take appropriate disciplinary action if it finds that any City employee engaged in such prohibited conduct.

Article 22. Compliance with Laws: In performing the Services under this Agreement, Consultant shall comply with any and all applicable federal, state and local statutes, ordinances, plans, and regulations, including any and all regulations for protection of the environment. When appropriate, Consultant shall advise Board of any and all applicable regulations and approvals required by the Federal Environmental Management Agency (FEMA). Where such statutes, ordinances, plans or regulations of any public authority having any jurisdiction on the project are in conflict, Consultant shall proceed using its best judgment only after attempting to resolve any such conflict between such governmental agencies, and shall notify the Board in a timely manner of the conflict, attempts of resolution, and planned course of action.

Article 23. Notices: Any notice required by this Agreement shall be made in writing to the addresses specified below:

Board:

City of Bloomington
Engineering Department
Attn: Patrick Dierkes
401 N. Morton Street, Suite 130
Bloomington, Indiana 47404

Consultant:

CrossRoad Engineers, P.C.
Attn: Trent Newport
115 N 17th Ave
Beech Grove, IN 46107

Nothing contained in this Article shall be construed to restrict the transmission of routine communications between representatives of the Board and the Consultant.

Article 24. Intent to be Bound: The Board and the Consultant each bind itself and its successors, executors, administrators, permitted assigns, legal representatives and, in the case of a partnership, its partners to the other party to this Agreement, and to the successors, executors, administrators, permitted assigns, legal representatives and partners of such other party in respect to all provisions of this Agreement.

Article 25. Integration and Modification: This Agreement, including all Exhibits incorporated by reference, represents the entire and integrated agreement between the Board and the Consultant. It supersedes all prior and contemporaneous communications, representations and agreements, whether oral or written, relating to the subject matter of this Agreement.

Article 26. Verification of New Employee' Employment Status: Consultant is required to enroll in and verify the work eligibility status of all newly-hired employees through the E-Verify program. (This is not required if the E-Verify program no longer exists.) Consultant shall sign an affidavit, attached as Exhibit E, affirming that Consultant does not knowingly employ an unauthorized alien. "Unauthorized alien" is defined at 8 U.S. Code 1324a(h)(3) as a person who is not a U.S. citizen or U.S. national and is not lawfully admitted for permanent residence or authorized to work in the U.S. under 8U.S. Code Chapter 12 or by the U.S. Attorney General.

Consultant and any of its subconsultants may not knowingly employ or contract with an unauthorized alien, or retain an employee or contract with a person that the Consultant or any of its subconsultants learns is an unauthorized alien. If the Board obtains information that the Consultant or any of its subconsultants employs or retains an employee who is an unauthorized alien, the Board shall notify the Consultant or its subconsultants of the Agreement violation and require that the violation be remedied within thirty (30) days of the date of notice. If the Consultant or any of its subconsultants verify the work eligibility status of the employee in question through the E-Verify program, there is a rebuttable presumption that the Consultant or its subconsultant did not knowingly employ an unauthorized alien. If the Consultant or its subconsultant fails to remedy the violation within the thirty (30) day period, the Board shall terminate the Agreement, unless the Board determines that terminating the Agreement would be detrimental to the public interest or public property, in which case the Board may allow the Agreement to remain in effect until the Board procures a new Consultant. If the Board terminated the Agreement, the Consultant or its subconsultant is liable to the Board for actual damages.

Consultant shall require any subconsultants performing work under this Agreement to certify to the Consultant that, at the time of certification, the subconsultant does not knowingly employ or contract with an unauthorized alien and the subconsultant has enrolled in and is participating in the E-Verify program. Consultant shall maintain on file all subconsultants' certifications throughout the term of this Agreement with the Board.

Exhibit E is attached hereto and incorporated herein by reference as though fully set forth.

Article 27. No Collusion: Consultant is required to certify that it has not, nor has any other member, representative, or agent of Consultant, entered into any combination, collusion or agreement with any person relative to the price to be offered by any person nor prevented any person from making an offer nor induced anyone to refrain from making an offer and that this offer is made without reference to any other offer. Consultant shall sign an affidavit, attached hereto as Exhibit F, affirming that Consultant has not engaged in any collusive conduct.

Exhibit F is attached hereto and incorporated herein by reference as though fully set forth.
This Agreement may be modified only by a written amendment signed by both parties hereto.

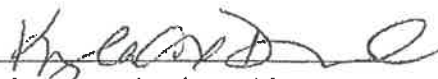
IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed the day
and year first written above.

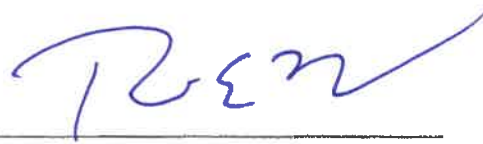
Owner

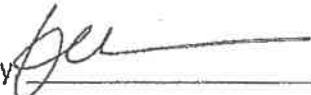
Consultant

City of Bloomington
Board of Public Works


CrossRoad Engineers, P.C.

By: 
Kyla Cox Deckard, President


Trent Newport, P.E. L.S.
President

By: 
Elizabeth Karon, Vice President

By: 
Jennifer Lloyd, Secretary

By: 
Beth Cate, Corporation Counsel

City of Bloomington
Redevelopment Commission


By: 
Cindy Kinnarney, President

EXHIBIT A
SCOPE OF WORK

The CONSULTANT shall be responsible for performing the following activities:

- A. Topographic Survey, Boundary, and Platting** – CONSULTANT shall utilize a subconsultant, BRCJ, to perform these services. BRCJ propose to provide a retracement boundary survey of the Indiana University Health Bloomington, Inc. and Monroe County Community School Corporation parcels approximately outlined in yellow on the survey exhibit below. This will meet Indiana Administrative Code 865 standards and will include a plat and report of survey that can be recorded as a permanent record of our survey.

BRCJ propose to prepare a subdivision plat, creating lots, street rights of ways and alleys in all of or a portion of the area included in our retracement boundary survey. The location of lines and corners of lots and rights of ways will be based on directions provided by the City of Bloomington. Semi-permanent monuments (5/8-inch rebar, magnetic nails, etc.) will be placed at all corners where practical.

BRCJ also propose to provide a topographic survey of the area approximately outlined in blue on the attached survey exhibit after the hospital demolition has been completed and the site has been restored to proposed post demolition conditions. This assumes the site will be clear of debris and will include the following services:

- a. Locate trees 6-inch in diameter and larger.
- b. Locate visible surface utilities (risers, meters, valves, etc.) per observed above ground evidence and utilities marked by Indiana811. Please note: Member utilities do not locate private lines or facilities. Member utilities do not locate service lines nor all utilities when a survey is the purpose of the ticket.
- c. Provide approximate storm and sanitary invert elevations, pipe sizes, and materials based on limited information available from the surface. Structure grates and covers shown should not be assumed to be the center of the below ground structure. All utilities including locations and sizes need to be verified prior to construction efforts.
- d. Overhead utilities will be identified as overhead without special investigation as to the type or nature.
- e. This scope of work does not include private utility locates or utility location exploration via excavation or potholing.
- f. Locate site improvements (headwalls, steps, walls, light poles, walks, bike racks, building corners, etc.).
- g. Provide contours of existing site conditions at 1-foot intervals.
- h. Horizontal control will be based on NAD 83, Indiana State Plane Coordinates, U.S. Survey Feet. Vertical datum will NAVD88, U.S. Survey Feet.
- i. All distances will be provided as grid distances.

- j. Provide a final 2018 AutoCAD drawing file (.dwg) or an AutoCAD Civil 3D 2018 drawing file (.dwg) and a PDF (.pdf) of the topographic survey.
- B. Meetings and Coordination** – In general, this task involves recurring bi-weekly progress meetings, monthly stakeholder meetings, one public involvement meeting, and ancillary preparation work for associated tasks throughout the duration of the project through spring 2025 and construction start.
- C. Road Design and Plan Preparation** – In general, this task involves the preparation of design plans to allow the proposed project to be constructed.

The Consultant will complete full design of Jackson Street from 1st Street to University Street. Construction of that street segment will provide access for the Kohr Building development. CONSULTANT will prepare plans, specifications, and estimates of cost, which shall be in accordance with the accepted standards for such work and in general accordance with the following documents in effect as of the Effective Date of this Agreement: American Association of State Highway and Transportation Officials' "A Policy on Geometric Design of Highways and Streets"; Indiana Manual on Uniform Traffic Control Devices; and Indiana Design Manual.

Construction drawings will be prepared in accordance with state and local laws and ordinances and will include the following:

- a. Title Sheet/Index
- b. Typical Sections
- c. Roadway Construction Details
 - i. Road Plan & Profiles
 - ii. Construction Details
 - iii. Road Cross Sections
- d. Intersection Construction Details
 - i. Grading spot elevations
 - ii. Pavement marking
- e. Stormwater Drainage Design
 - i. Plan and profiles as necessary
 - ii. Drainage structure details
- f. Erosion Control Plan
 - i. Consistent with local MS4 requirements for CSGP conformance
- g. Miscellaneous Details and Specifications, including lighting design.
- h. Water Main and Sanitary Sewer Main design and details
- i. Landscape plans and details
- j. Cross Sections

CONSULTANT will complete preliminary design of Fairview Street, University Street, and the alleys within the project area. This preliminary design will establish the geometries and profile grades to provide a basis for future development and infrastructure projects.

For these segments, civil plans will be developed to approximately 30% stage. Construction drawings and CAD files up to 30% will be prepared in accordance with state and local laws and ordinances.

- D. Landscape Design and Plan Preparation** – CONSULTANT shall utilize the services of a subconsultant, Rundell Ernstberger Associates (REA), to provide landscape architecture services for this project.

REA will prepare 30% Plans that will further refine the site layout, design elements, architectural features, and illustrate the scale and relationship of the project components. Work will include coordination with the design team based on the design program and requirements, identification, and confirmation of programmatic and infrastructure needs, and the preparation of schematic plans and preliminary grading as needed to define the form and character of the platting, public spaces, and street cross sections. REA will prepare a rendered site plan and a preliminary cost opinion for REA's scope of work based on high level square footage costs. REA anticipates virtual, monthly coordination meetings with the design and client team during this phase of design.

REA will assist in the preparation of construction documents for Jackson Street between 1st Street and University Street. REA will prepare construction documents to include landscape improvements for the project including landscape plans and site furnishings plans. Additionally, REA will assist in lighting layout and design coordination with Duke Energy and CONSULTANT. REA will coordinate with CONSULTANT on grading design, and REA will prepare updated cost opinions for REA's scope of work. REA anticipates milestone deliverables and progress review with CONSULTANT and the City of Bloomington at the 60%, 90%, and final plan completion stages. REA anticipates virtual, monthly coordination meetings with the design and client team during this phase of design.

- E. Geotechnical Investigation and Pavement Design** – CONSULTANT shall utilize the services of a subconsultant, Patriot Engineering and Environmental, Inc., to provide pavement design and geotechnical services for this project. Laboratory, drilling, and Geotechnical Engineering Report will be performed in general accordance with all applicable AASHTO, ASTM methods, and will be based on INDOT guidelines. Pavement design will be performed utilizing the Mechanical Empirical design methodology.
- F. Bidding and Regulatory Submittals** – This phase will include the preparation of final bid documents, as well as the necessary administrative services required for compiling bid documents and facilitating and reviewing the public bid of the project. Services include development of a Stormwater Pollution Prevention Plan (SWPPP), preparation of the stormwater permit application and submittal to the IDEM. This phase does not include the acquisition of any construction or building permits through any agency as permitting shall be the responsibility of the selected contractor.

- G. Environmental Services** – CONSULTANT shall utilize the services of a subconsultant, Metric Environmental, to provide environmental services for this project. Metric will provide various environmental services as needed to support the site development design activities. Services include general assistance in Stormwater Pollution Prevention Plan (SWPPP) design, SWPPP field conditions site visit. Metric will also provide soil and water sampling tasks as needed during the design period. Additionally, Metric will be available for project meetings to provide recommendations on types of testing and or permitting that may arise during the design process.
- H. Construction Administration** – This work includes preparing for and attending pre-construction meetings, review of shop drawings, and responding to contractor questions as they arise during construction by both CONSULTANT and Rundell Ernstberger Associates.

**EXHIBIT B
COMPENSATION**

The CONSULTANT shall be paid for the following work performed under this Agreement on a lump sum basis in accordance with the following schedules:

A. Topographic Survey, Boundary, and Platting	\$ 47,060
B. Meetings and Coordination	\$ 65,700
C. Road Design and Plan Preparation	\$ 293,100
D. Landscape Design and Plan Preparation	\$ 94,370
E. Geotechnical Investigation and Pavement Design	\$ 18,800
F. Bidding and Regulatory Submittals	<u>\$ 34,630</u>
Total Section	\$ 553,660

The CONSULTANT shall be paid for the following work performed under this Agreement on a hourly basis NTE. The amount shown is estimated:

G. Environmental Services	\$ 17,500
H. Construction Administration	<u>\$ 35,480</u>
Total Section	\$ 52,980

The LPA, for and in consideration of the rendering of the services provided for of this Exhibit "B", agrees to pay the CONSULTANT on an hourly basis at the current rate. The CONSULTANT will be reimbursed the direct non-salary costs directly attributable to these services such as mileage and other out-of-pocket expenses, subject to approval as reasonable by the LPA, plus a 10% mark-up for task coordination and administrative efforts.

EXHIBIT C
PROJECT SCHEDULE

The project will be developed such that Jackson Street construction groundbreaking can be held in early 2025. Primary Platting will be developed such that a Plan Commission hearing can be held on July 10, 2023.

**EXHIBIT D
KEY PERSONNEL**

CONSULTANT will provide the following key team members to provide the services described in Exhibit A. Key team members may not be changed without the approval of the Board.

<u>Position / Responsibility</u>	<u>Name</u>
Principal-in-Charge	Trent Newport, PE LS
Overall Project Manager	Andrew Wolf, PE
Senior Project Manager	Willie Hall, PE
Principal-in-Charge (Landscape Architecture)	Kevin Osburn, PLA
Project Manager (Landscape Architecture)	Cecil Penland, PLA
Project Landscape Architect	Pat Stout, PLA
Project Manager (Environmental)	Karla McDonald, CHMM
Project Manager (Survey)	William Riggert, PE

EXHIBIT E
AFFIDAVIT REGARDING E-VERIFY

STATE OF INDIANA)
) SS:
COUNTY OF Marion)

The undersigned, being duly sworn, hereby affirms and says that:

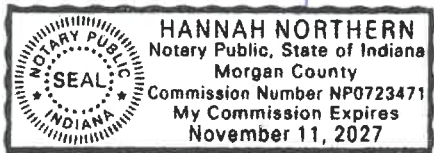
1. The undersigned is the President of CrossRoad Engineers, P.C.
2. The company named herein that employs the undersigned:
 - has contracted with or is seeking to contract with the City of Bloomington to provide services; OR
 - is a subcontractor on a contract to provide services to the City of Bloomington.
3. The undersigned hereby states that, to the best of his/her knowledge and belief, the company named herein does not knowingly employ an "unauthorized alien," as defined at 8 United States Code 1324a(h)(3).
4. The undersigned hereby states that, to the best of his/her knowledge and belief, the company named herein is enrolled in and participates in the E-verify program.

Trent Newport

Trent Newport, P.E. L.S.
President

STATE OF INDIANA)
) SS:
COUNTY OF Marion)

Before me, a Notary Public in and for said County and State, personally appeared Trent E. Newport and acknowledged the execution of the foregoing this 8th day of May, 2023.



Hannah N. Northern
Notary Public
Hannah N. Northern
Printed name

My Commission Expires: November 11, 2027
County of Residence: Morgan Commission Number: NP0723471

**EXHIBIT F
NON-COLLUSION AFFIDAVIT**

STATE OF INDIANA)
) SS:
COUNTY OF Marion)

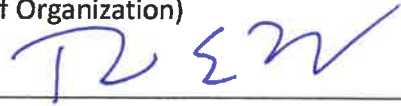
The undersigned offeror or agent, being duly sworn on oath, says that he has not, nor has any other member, representative, or agent of the firm, company, corporation or partnership represented by him, entered into any combination, collusion or agreement with any person relative to the price to be offered by any person nor to prevent any person from making an offer nor to induce anyone to refrain from making an offer and that this offer is made without reference to any other offer.

OATH AND AFFIRMATION

I affirm under the penalties of perjury that the foregoing facts and information are true and correct to the best of my knowledge and belief.

Dated this 8th day of May, 2023.


CrossRoad Engineers, P.C.
(Name of Organization)

By: 
Trent Newport, P.E. L.S.
President

STATE OF INDIANA)
) SS:
COUNTY OF Marion)

Subscribed and sworn to before me this 8th day of May, 2023




Notary Public
Hannah N. Northern
Printed name

My Commission Expires: November 11, 2027
County of Residence: Morgan Commission Number: NP0723471



Board of Public Works Staff Report

Project/Event: Strauser Construction Co., Inc
Staff Representative: Kyle Baugh
Petitioner/Representative: **Ryan Strauser**
Date: June 13th, 2024

Report: Strauser Construction is requesting road and sidewalk closures adjacent to 416 E Cottage Grove as part of the Cottage Grove Apartment. This request is to accommodate replacing existing sidewalks, curbs, and complete paving. The traffic control would be in place from June 17th, 2024 through June 19th, 2024.

Strauser Construction has supplied maintenance of traffic plans for all work.

June 12, 2024

City of Bloomington - Board of Public Works

401 N. Morton Street
Bloomington, IN 47404

RE: 416 E. Cottage Grove Apartments
416 E. Cottage Grove Ave.
Bloomington, Indiana
Temporary Street & Sidewalk Closure

Dear Board Members:

Strauser Construction Co., Inc. is the construction manager for a new building project located at 416 E. Cottage Grove. As part of the project Strauser will need to shut down a segment of Cottage Grove Ave. per the MOT plan to replace existing sidewalks/curbs and complete paving.

As part of the project, Strauser Construction Co., Inc. is requesting the use of the right of way for these improvements for the following dates:

Street & Sidewalk Closure = 6/17/24 – 6/19/24

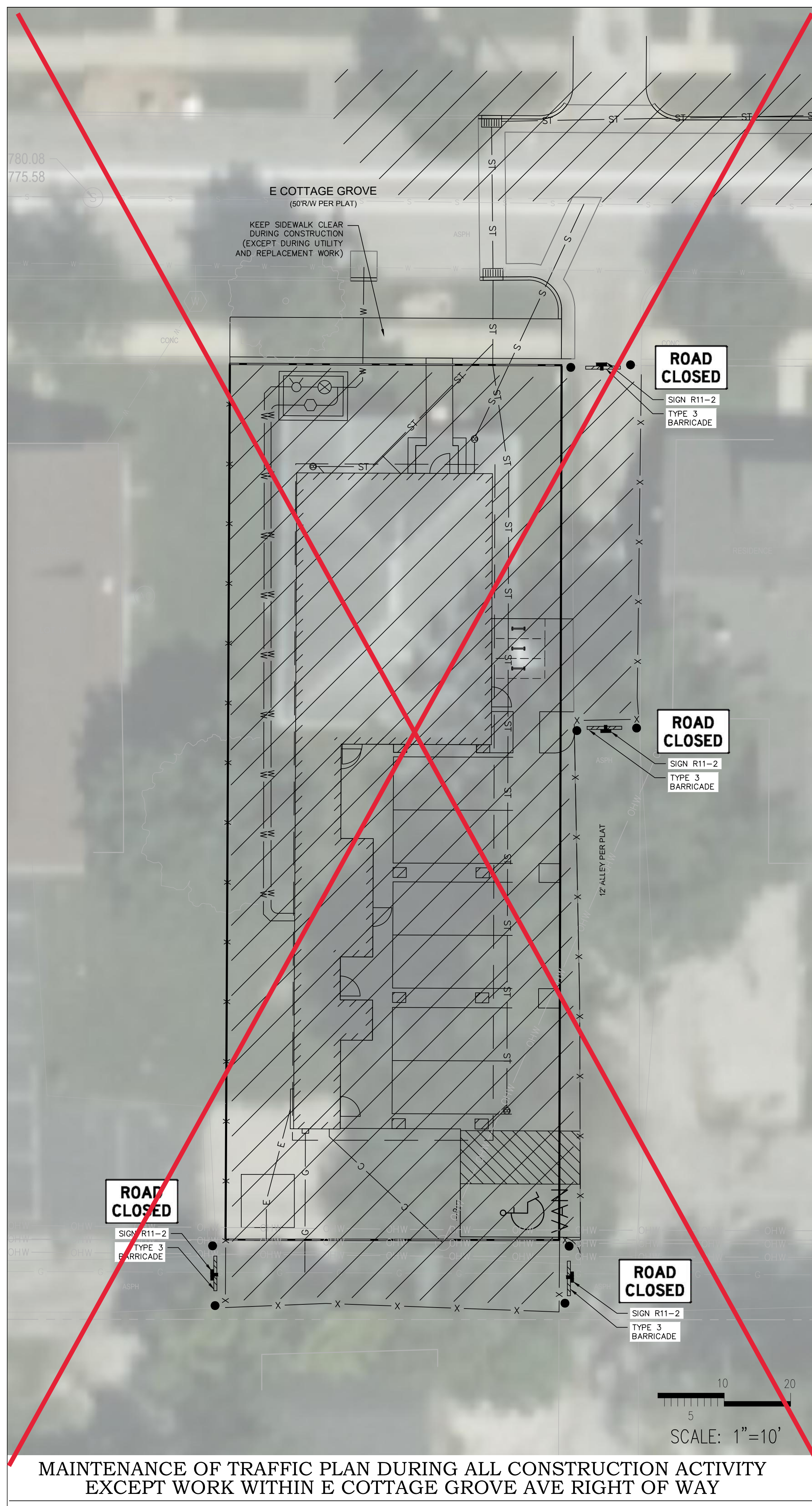
During the course of this project Strauser Construction Co., Inc. will work with the City of Bloomington and City of Bloomington Engineering to minimize disruptions caused by the project. Based on the attached information, Strauser Construction Co., Inc. request that the Board of Public Works approves the use of the right of way during the time periods stated above.

Sincerely,

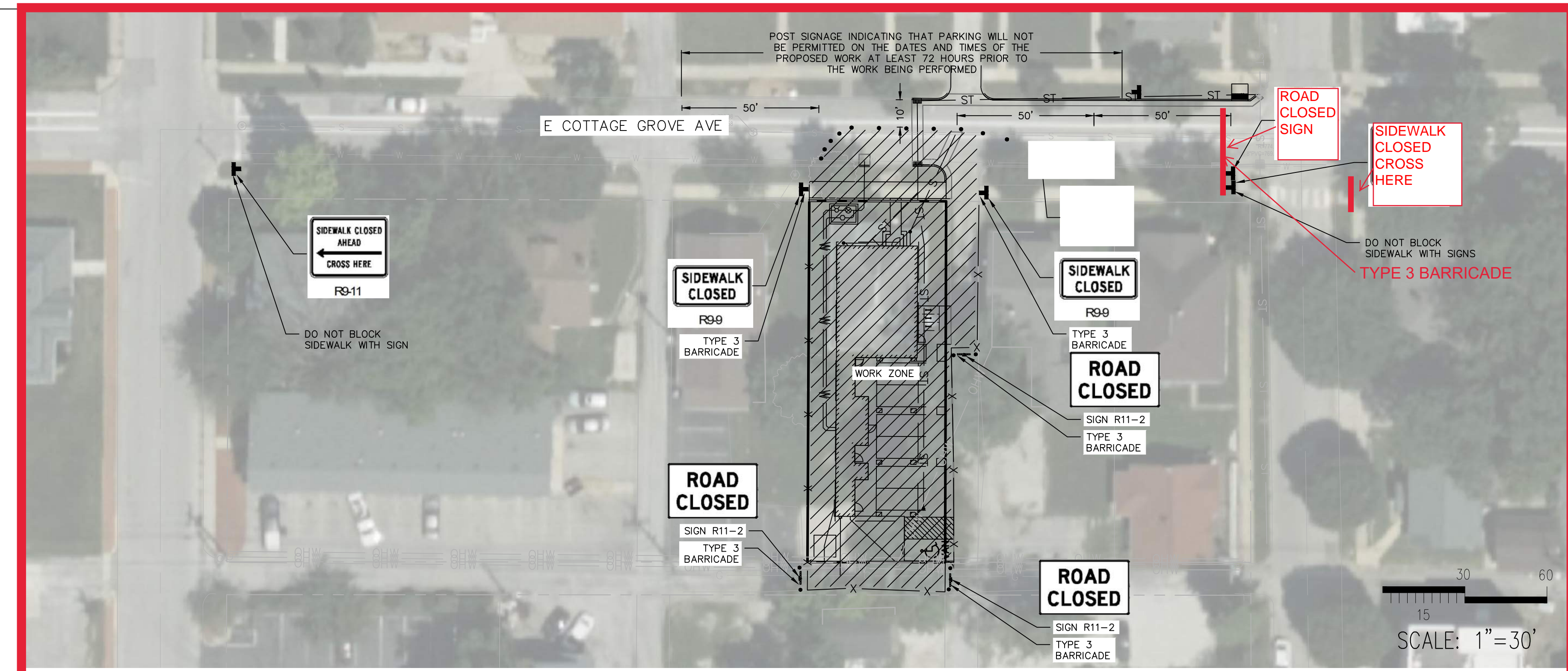
Ryan M. Strauser

Ryan M. Strauser
RA, AIA, LEED AP

Strauser Construction Co., Inc.
453 S. Clarizz Blvd.
Bloomington, IN 47401

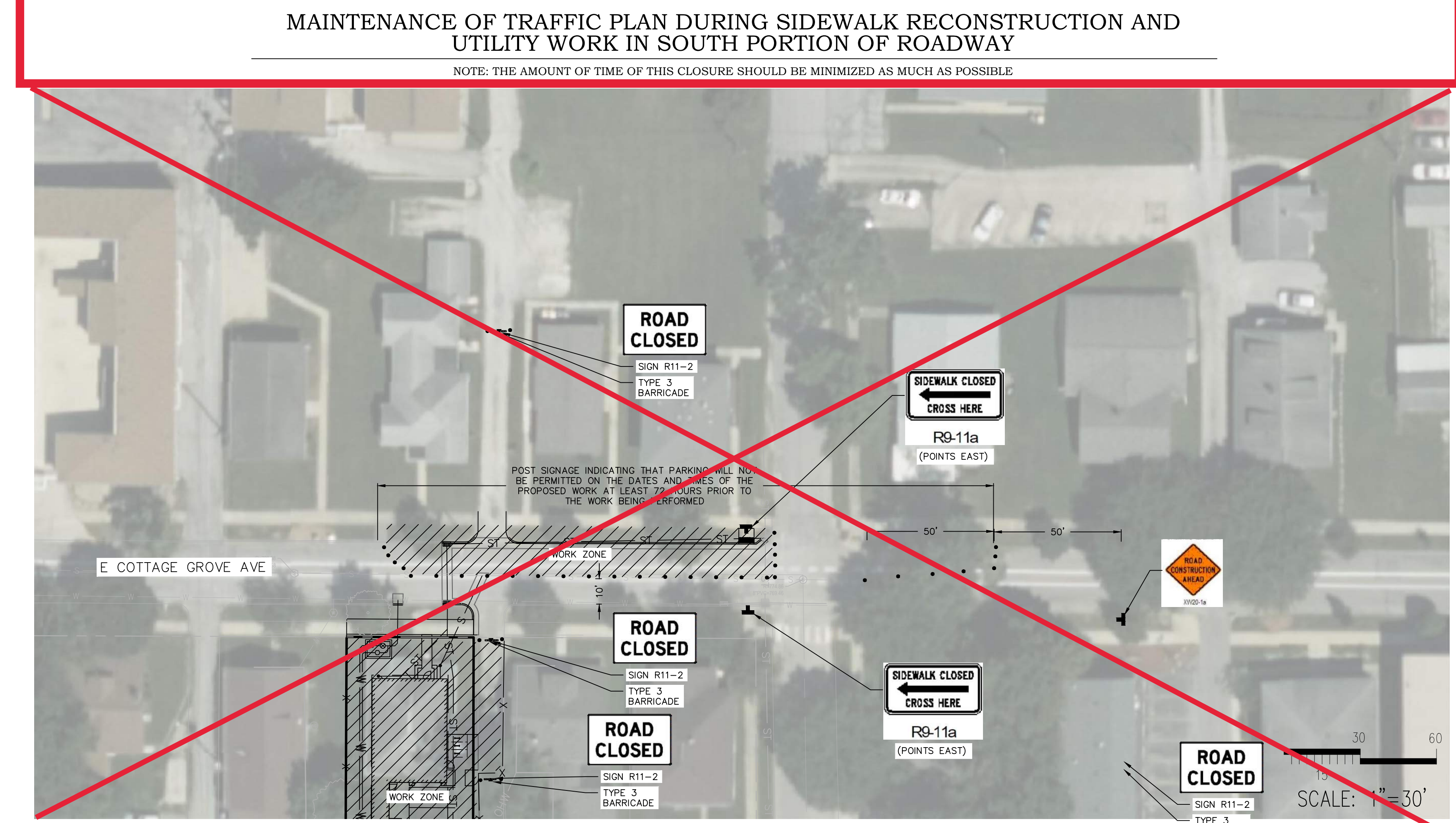


MAINTENANCE OF TRAFFIC PLAN DURING ALL CONSTRUCTION ACTIVITY EXCEPT WORK WITHIN E COTTAGE GROVE AVE RIGHT OF WAY



MAINTENANCE OF TRAFFIC PLAN DURING SIDEWALK RECONSTRUCTION AND UTILITY WORK IN SOUTH PORTION OF ROADWAY

NOTE: THE AMOUNT OF TIME OF THIS CLOSURE SHOULD BE MINIMIZED AS MUCH AS POSSIBLE



MAINTENANCE OF TRAFFIC PLAN DURING UTILITY WORK IN NORTH PORTION OF ROADWAY

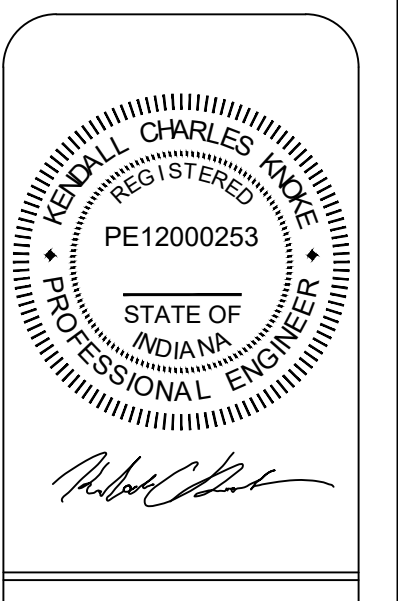
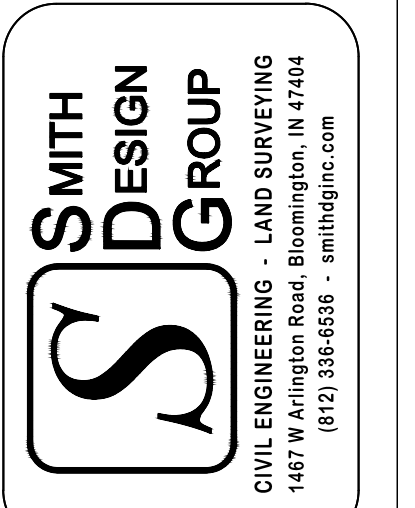
NOTE: THE AMOUNT OF TIME OF THIS CLOSURE SHOULD BE MINIMIZED AS MUCH AS POSSIBLE

MAINTENANCE OF TRAFFIC LEGEND

- CHANNELIZING DEVICE (DRUM)
- x— CONSTRUCTION FENCE

MAINTENANCE OF TRAFFIC NOTES

1. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF TRAFFIC. ALL MAINTENANCE OF TRAFFIC MUST BE IN ACCORDANCE WITH THE LATEST REVISION OF THE INDIANA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND SHALL MEET CITY OF BLOOMINGTON MUNICIPAL CODE.
2. PRIOR TO THE START OF CONSTRUCTION CONTRACTOR SHALL COORDINATE ON-SITE MEETING WITH CITY OF BLOOMINGTON PLANNING AND TRANSPORTATION AND PUBLIC WORKS TO REVIEW WORK IN THE PUBLIC RIGHT-OF-WAY AND IMPLEMENTATION OF THE TRAFFIC CONTROL PLAN AND SIDEWALK CLOSURE.
3. AFTER WORKING HOURS, ROADWAY MAY BE RESTORED TO TRAFFIC WITH PLATES OR ANOTHER METHOD APPROVED BY CITY OF BLOOMINGTON ENGINEERING.
4. ENSURE NEIGHBORS MAINTAIN ALLEY ACCESS TO PARKING AREAS DURING CONSTRUCTION. CLOSE CONTRACTOR COORDINATION WITH NEIGHBORING PROPERTY OWNERS IS NECESSARY TO ENSURE ACCESS IS MAINTAINED AND ANY OTHER NEIGHBOR CONCERNS ARE ADDRESSED.



08/18/2023

**416 E COTTAGE GROVE APARTMENTS
BLOOMINGTON, INDIANA
CONFORMED SET FOR CONSTRUCTION**

REVISIONS	BY	DATE

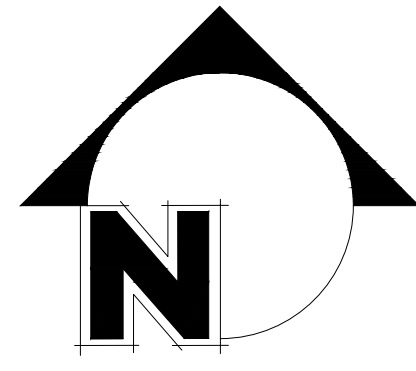
DESIGNED	DRAWN	CHECKED	DATE
KCK	KCK		

JOB NUMBER
6390

SHEET
C600

DATE
08/18/2023

MAINTENANCE OF TRAFFIC PLANS





CITY OF BLOOMINGTON

RIGHT-OF-WAY USE PERMIT APPLICATION

401 N Morton Street, Suite 130
P.O. Box 100
Bloomington, IN 47402

Phone: (812) 349-3913
Fax: (812) 349-3520
Email:
engineering@bloomington.in.gov

ROW EXCAVATION ROW USE

ADDRESS OF ROW ACTIVITY: 416 E. Cottage Grove Avenue

A. APPLICANT/AGENT INFORMATION: APPLICANT NAME: <u>Strauser Construction Co., Inc.</u> E-MAIL: <u>rmstrauser@strausercci.com</u> COMPANY: <u>Strauser Construction Co., Inc.</u> ADDRESS: <u>453 S. Clarizz Blvd.</u> CITY, STATE, ZIP: <u>Bloomington, IN 47401</u> 24-HR EMERGENCY CONTACT NAME: _____ 24-HR CONTACT PHONE #: <u>812-360-1503</u> INSURANCE #*: _____ COMPANY: _____ BOND #*: _____ COMPANY: <u>Hylant -Nationwide</u> <small>* INSURANCE & BOND MUST BE ON FILE WITH THE CITY BEFORE PERMIT WILL BE ISSUED</small> **SUBCONTRACTOR INFORMATION** <small>(LIST ALL COMPANIES WORKING UNDER PRIMARY CONTRACTOR PERMIT)</small> COMPANY NAME: <u>Jon Sciscoe Excavating / Lentz Paving</u>	D. TRAFFIC CONTROL DEVICES*: <input checked="" type="checkbox"/> CONES <input type="checkbox"/> ARROWBOARD <input type="checkbox"/> LIGHTED BARRELS <input checked="" type="checkbox"/> TYPE 3 BARRICADES <input type="checkbox"/> FLAGGERS <input type="checkbox"/> BPD OFFICER <small>*PROVIDING MUTCD COMPLIANT TEMPORARY TRAFFIC CONTROL DEVICES AND MAINTENANCE OF TRAFFIC (MOT) PLAN IS YOUR RESPONSIBILITY AND REQUIRED. See page 3 for additional MOT resources; the graph paper can be used for your MOT site plan if needed or you can submit a separate sheet</small>
B. WORK DESCRIPTION: <input type="checkbox"/> POD/DUMPSTER <input type="checkbox"/> CRANE <input type="checkbox"/> SCAFFOLDING <input checked="" type="checkbox"/> CONSTRUCTION USE* <small>(EXPLAIN):</small> <u>Road and sidewalk closure for replacement of sidewalk, curb and asphalt paving in Grant Street.</u> <small>*EXCAVATION, LONG TERM USE FOR STORAGE OF MATERIAL/EQUIPMENT/WALKAROUND</small>	E. METERED PARKING SPACES NEEDED: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N <small>IT IS THE RESPONSIBILITY OF THE APPLICANT TO RESERVE PARKING METER(S) APPLICATION LOCATED: https://bloomington.in.gov/transportation/parking/moving OR CONTACT PARKING SERVICES WITH QUESTIONS AT (812)349-3436</small>
C. RIGHT OF WAY TO BE USED/CLOSED: STREET NAME 1: <u>E. Cottage Grove Ave.</u> 1ST INTERSECTING STREET NAME: <u>N. Grant Street</u> 2ND INTERSECTING STREET NAME: <u>N. Dunn Street</u> <input type="checkbox"/> ROAD CLOSURE <input checked="" type="checkbox"/> LANE CLOSURE 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> <input checked="" type="checkbox"/> SIDEWALK* <input checked="" type="checkbox"/> BIKE LANE <input type="checkbox"/> OTHER TRANSIT STOP? <input type="checkbox"/> Y <input type="checkbox"/> N PARKING LANE(S)** <input type="checkbox"/> Y <input type="checkbox"/> N <small>**NON-METERED</small> START DATE: <u>6/17/24</u> END DATE: <u>6/19/24</u> # OF DAYS*: <u>3</u> STREET NAME 2: _____ 1ST INTERSECTING STREET NAME: _____ 2ND INTERSECTING STREET NAME: _____ <input type="checkbox"/> ROAD CLOSURE <input type="checkbox"/> LANE CLOSURE 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> <input type="checkbox"/> SIDEWALK* <input type="checkbox"/> BIKE LANE <input type="checkbox"/> OTHER TRANSIT STOP? <input type="checkbox"/> Y <input type="checkbox"/> N PARKING LANE(S)** <input type="checkbox"/> Y <input type="checkbox"/> N <small>**NON-METERED</small> START DATE: _____ END DATE: _____ # OF DAYS*: _____ <small>*SIDEWALK CLOSURES FOR A PERIOD OR PERIODS TOTALING 24HRS OR MORE SHALL INSTALL A WALKAROUND UNLESS OTHERWISE APPROVED DURING REVIEW</small>	F. IS THIS A <input type="checkbox"/> CBU* <input type="checkbox"/> COUNTY* <input type="checkbox"/> IU* <input type="checkbox"/> NP* PROJECT? PROJECT NAME: <u>416 Cottage Grove Apartments</u> PROJECT #: _____ PROJECT MGR.: _____ PROJECT MGR. #: _____ <small>*CBU = CITY OF BLOOMINGTON UTILITIES *COUNTY = MONROE COUNTY *IU = INDIANA UNIVERSITY *NP= NOT-FOR-PROFIT AGENCY</small>
G. EXCAVATIONS: SQ FT OF PAVEMENT* EXCAVATIONS : <u>460 sf</u> <small>*PAVEMENT INCLUDES: IN OR UNDER CONCRETE, OR ASPHALT INCLUDING CURBS</small> SQ FT OF NON-PAVEMENT* EXCAVATIONS: <u>NA</u> <small>*DIRT, GRASS, GRAVEL, LANDSCAPE AREA OR OTHER UNPAVED SURFACE</small> LINEAL FT OF BORE*: <u>NA</u> <small>*BORE PITS SHALL BE CALCULATED AS SQ FT EXCAVATIONS</small> # OF POLE INSTALLATIONS/REMOVAL: <u>NA</u> SQ FT OF SIDEWALK RECONSTRUCTION*: <u>300 sf</u> <small>*CONCRETE OR ASPHALT SIDEWALK/PATH BEING IMPROVED/REPLACED</small> SQ FT OF SIDEWALK NEW CONSTRUCTION*: <u>NA</u> <small>*CONCRETE OR ASPHALT SIDEWALK/PATH THAT IS NEW INFRASTRUCTURE</small> #RESIDENTIAL DRIVEWAY INSTALLATION: <u>NA</u>	<div style="text-align: center;"></div> <small>Know what's below. Call before you dig.</small> TO SUBMIT A LOCATE REQUEST 24 HRS A DAY, 7 DAYS A WEEK CALL 811 OR 800-382-5544 CALL 2 WORKING DAYS BEFORE YOU DIG. ITS THE LAW.
H. INDEMNIFICATION AGREEMENT: <small>The petitioner/applicant hereby agrees to hold harmless, defend and to indemnify the City of Bloomington from or against all claims, action, damages and expenses, including but not limited to reasonable attorney's fees or any alleged injury and/or death to any person or damage to any property arising, or alleged to have arisen out of any act of commission or omission on the part of the petitioner/applicant, his/her heirs, successors, or assigns regardless of whether such acts are the direct or indirect result of the public right-of-way use pursuant to this permit grant.</small> I AFFIRM, UNDER THE PENALTIES FOR PERJURY, THAT THE FOREGOING REPRESENTATIONS ARE TRUE. PRINT NAME: <u>Ryan M. Strauser</u> SIGNATURE: <u>Ryan M. Strauser</u> DATE: <u>6/4/2024</u>	
STANDARD CLOSURE HOURS MON-FRI*: 9:00 AM - 3:00 PM & 6:00 PM - 9:00 PM STANDARD CLOSURE HOURS <input type="checkbox"/> *NON-STANDARD CLOSURE HOURS <input type="checkbox"/> REQUESTED CLOSURE HOURS: <u>24 hr</u> AM - <u>24 hr</u> PM <small>*non-standard hours may not be allowed near schools, on arterials, or other circumstances and are subject to approval during the permitting process BMC 14.09.040 allows work from 6 AM to 10 PM without violating the noise ordinance (7AM to 9PM for pneumatic hammers)</small>	

For Administration Use Only (applicable to CLOSURE approval)

Approved By: _____ BPW City Engineer Director Date: _____

Staff Representative: _____ Phone#: _____ Date: _____



Board of Public Works Staff Report

Project/Event: CBU/Merrel Bros Miller Showers Pond Dredging
Staff Representative: Kyle Baugh
Petitioner/Representative: Brayden Merrell
Date: June 18th, 2024

Report: Merrel Bros. is requesting lane shifts and a side closure on the west side of N College Ave as part of the project located at Miller Showers Park. This request is to accommodate machinery used for dredging the ponds. The traffic control would be in place for two weeks starting in June 2024 and completing in early July.

Merrell Bros. has supplied maintenance of traffic plans for all work.

June 14th, 2024

Via Electronic Delivery

Board of Public Works
City of Bloomington
401 North Morton Street
Bloomington, IN 47404

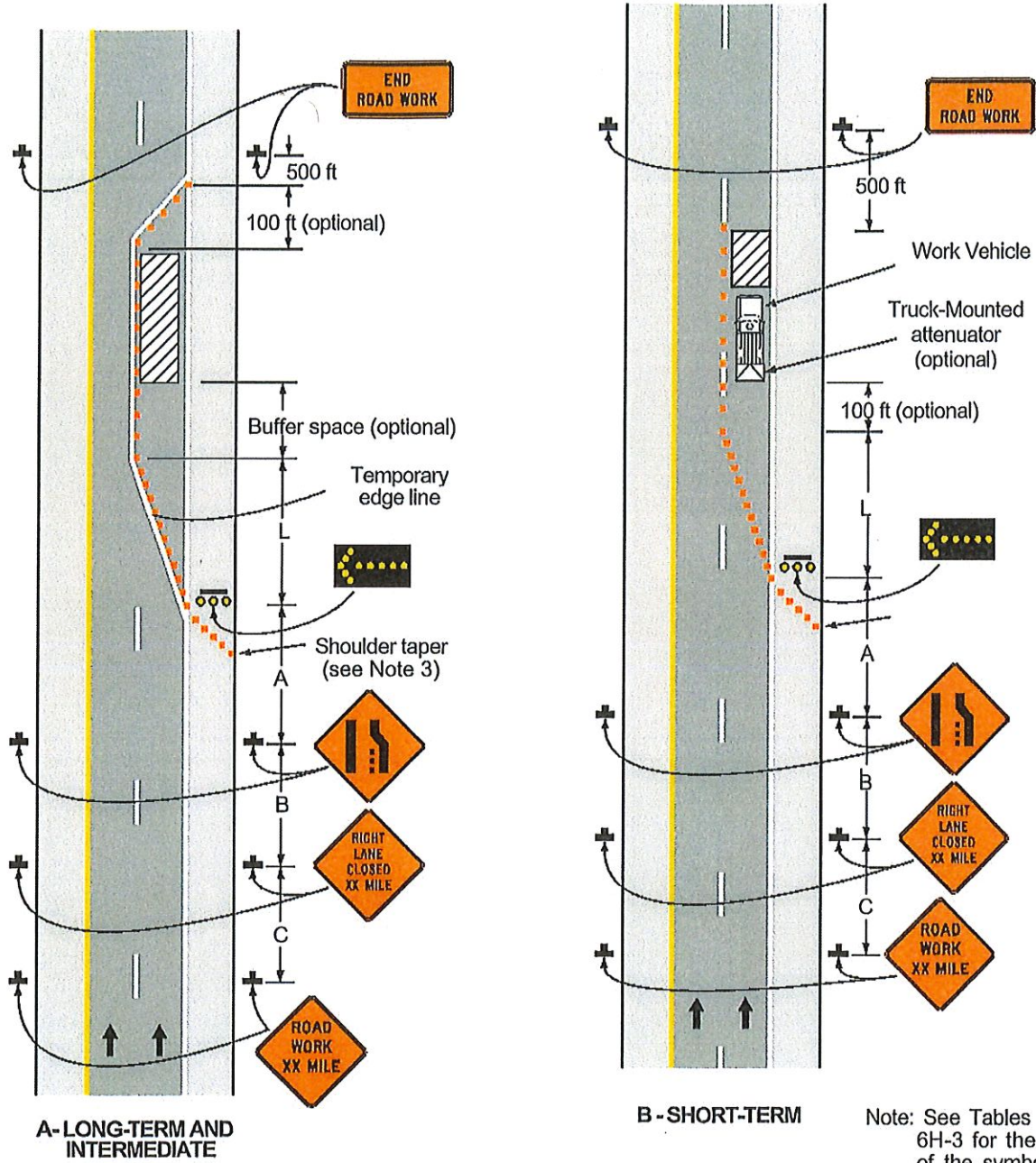
Re: N. Walnut St. requested lane restrictions/closure

Dear Board Members:

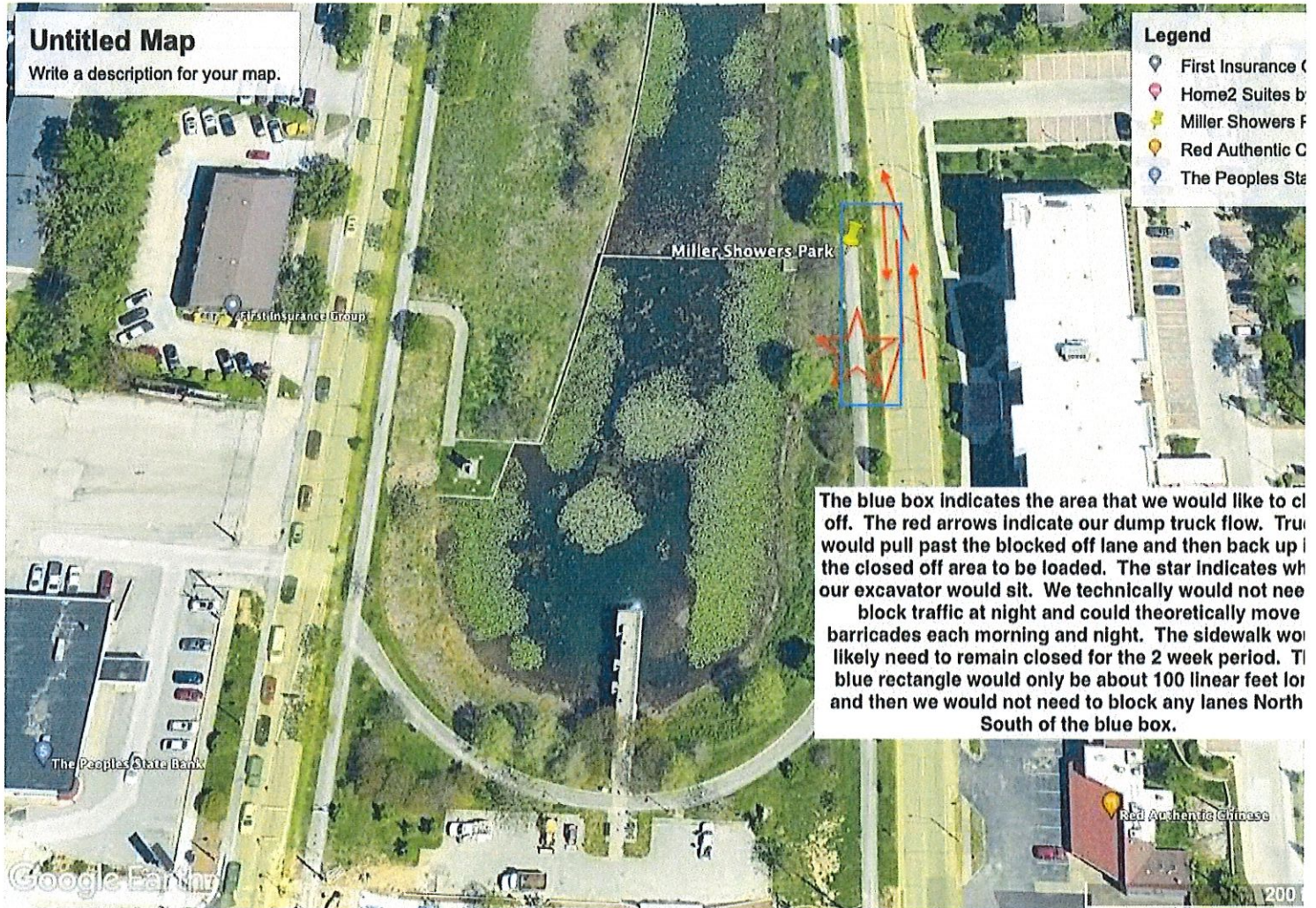
Merrell Bros. Inc. is planning to complete the “Miller Showers Dredging and Disposal” project which consists of sediment removal in 2 sections of the Miller Showers Park. We are utilizing 2 forms of sediment removal to clean these ponds safely and efficiently. Access is very tight and upon meeting with a representative from the crane company, who will be craning our equipment in and out of the ponds, they decided that we would likely need to close the West lane of N. Walnut St. on the East side of the park during their crane picks. The crane activity will consist of 5 crane picks (which take about 6-8 hours for each crane pick) over the span of ~4 weeks.



Figure 6H-33. Stationary Lane Closure on a Divided Highway (TA-33)



Typical Application 33

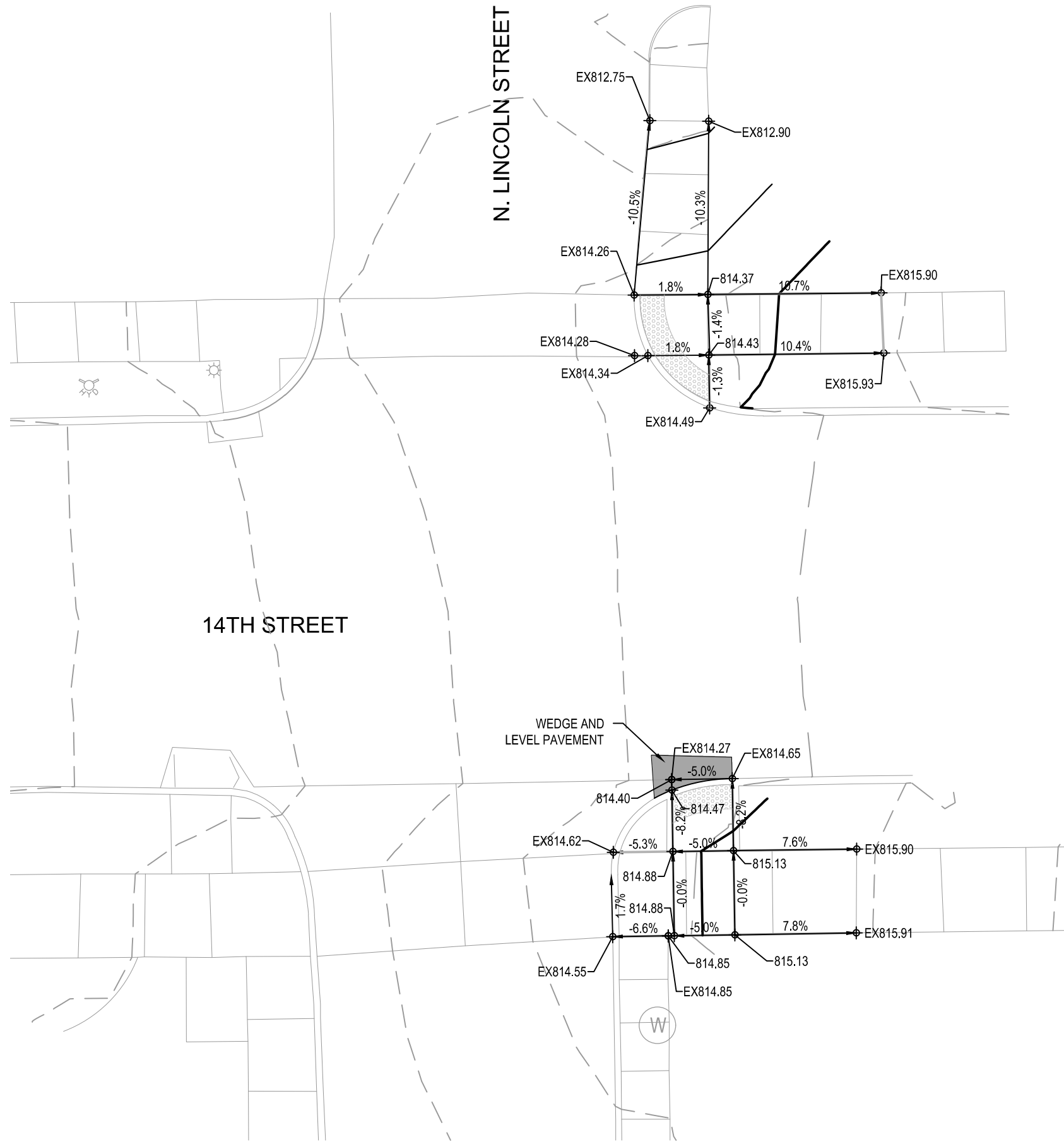




Board of Public Works Staff Report

Project/Event:	Sidewalk Closure for Curb Ramp Replacement at E 14 th St
Staff Representative:	Alex Gray
Petitioner/Representative:	Eric Schulte, Landmark Construction
Date:	June 18 th , 2024

Report: Landmark Construction is requesting sidewalk closures on E 14th St near the Standard Development between N Walnut St and N Dunn St for curb ramp replacement. The curb ramps are out of compliance by the Public Rights of Way Accessibility Guidelines (PROWAG) and Engineering staff requested the curb ramps be replaced by the development. Landmark plans to complete the work after the Board meeting over the next week or so.



14TH ST AND LINCOLN ST INTERSECTION

GENERAL NOTES

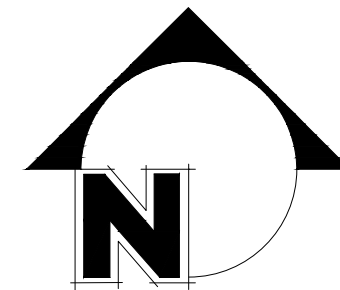
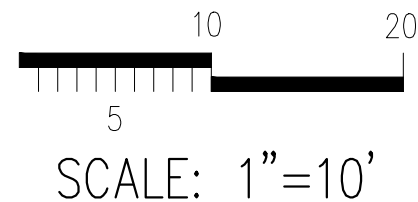
1. CONTOURS AND TOPOGRAPHIC DATA OBTAINED FROM SURVEY DATED 03/22/23. BASIS OF BEARING IS NAD 83, INDIANA STATE PLANE WEST ZONE. VERTICAL DATUM IS NAVD 88.
2. LOCATION OF EXISTING UTILITIES ARE TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR. PLEASE NOTIFY ENGINEER IF FIELD ADJUSTMENTS ARE NECESSARY.

GRADING LEGEND

EXISTING MINOR CONTOUR	--- XXX ---
EXISTING MAJOR CONTOUR	--- XXX ---
PROPOSED MINOR CONTOUR	--- XXX ---
PROPOSED MAJOR CONTOUR	--- XXX ---
EXISTING ELEVATION	EX XXX.XX
PROPOSED ELEVATION	XXX.XX
EDGE OF PAVEMENT ELEVATION	EP = XXX.XX
TOP OF CURB ELEVATION	TC = XXX.XX
HIGH POINT	XXX.XX HP
LOW POINT	XXX.XX LP
FINISH FLOOR ELEVATION	FF = XXX.XX
TOP OF RETAINING WALL	TW=XXX.XX
BOTTOM OF RETAINING WALL	BW=XXX.XX
TOP OF RAMP	TR=XXX.XX
BOTTOM OF RAMP	BR=XXX.XX

LEGEND

(W)	WATER MANHOLE
(FH)	FIRE HYDRANT
(LP)	LIGHT POLE
(FV)	FIBER OPTIC VAULT



SMITH DESIGN GROUP
 CIVIL ENGINEERING - LAND SURVEYING
 1467 W Arlington Road, Bloomington, IN 47404
 (812) 336-6536 - smithdgroup.com

THE STANDARD
 14TH ST./LINCOLN ST.
 & 14TH ST. / DUNN ST.

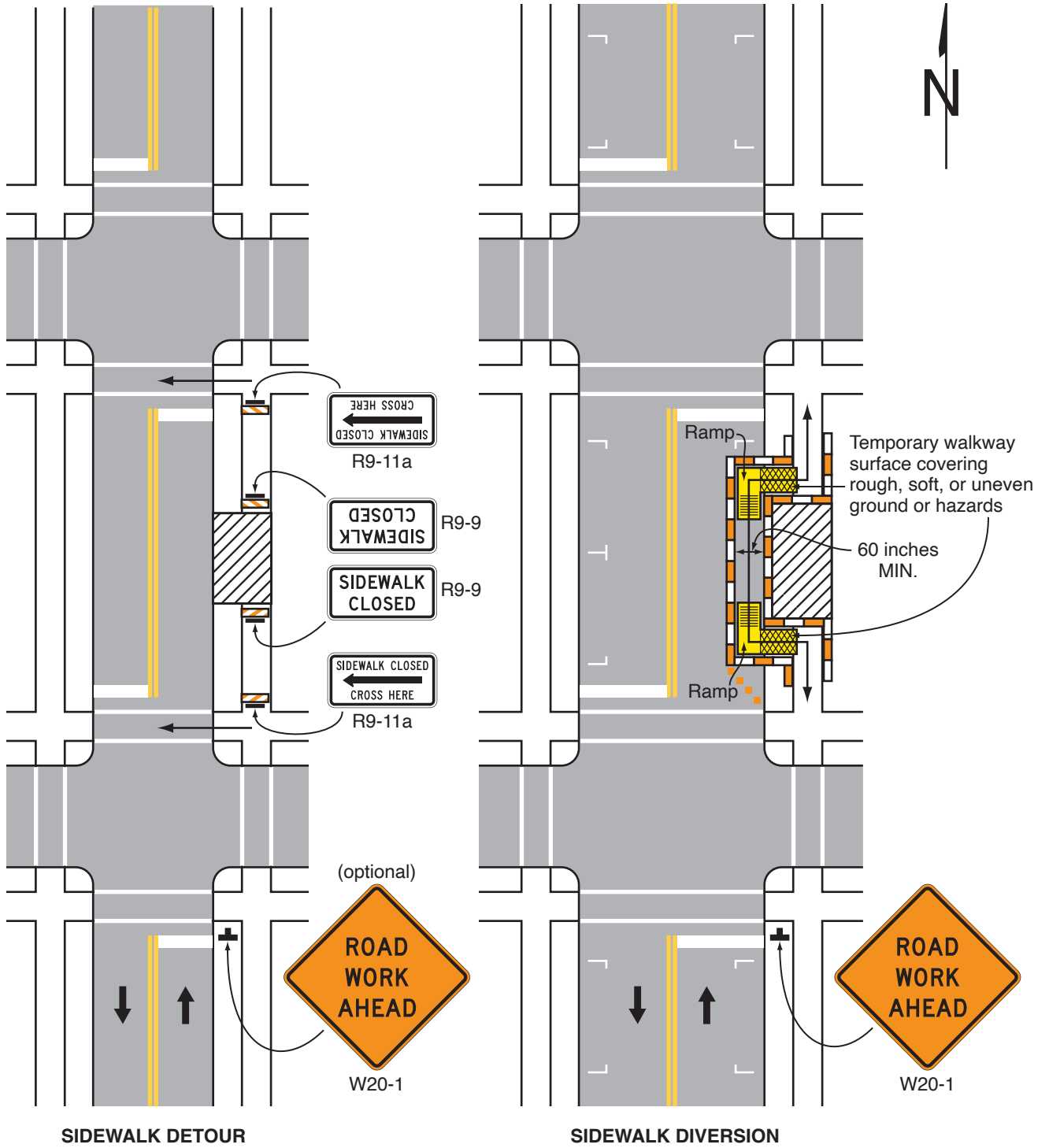
JOB NUMBER
5919

SHEET
1 OF 1

DATE
04/30/2024

SIDEWALK
 RAMP EXHIBIT

Figure 6P-28. Sidewalk Detour or Diversion (TA-28)



Typical Application 28

Note: See Table 6P-2 for the meanings of the symbols used in this figure.

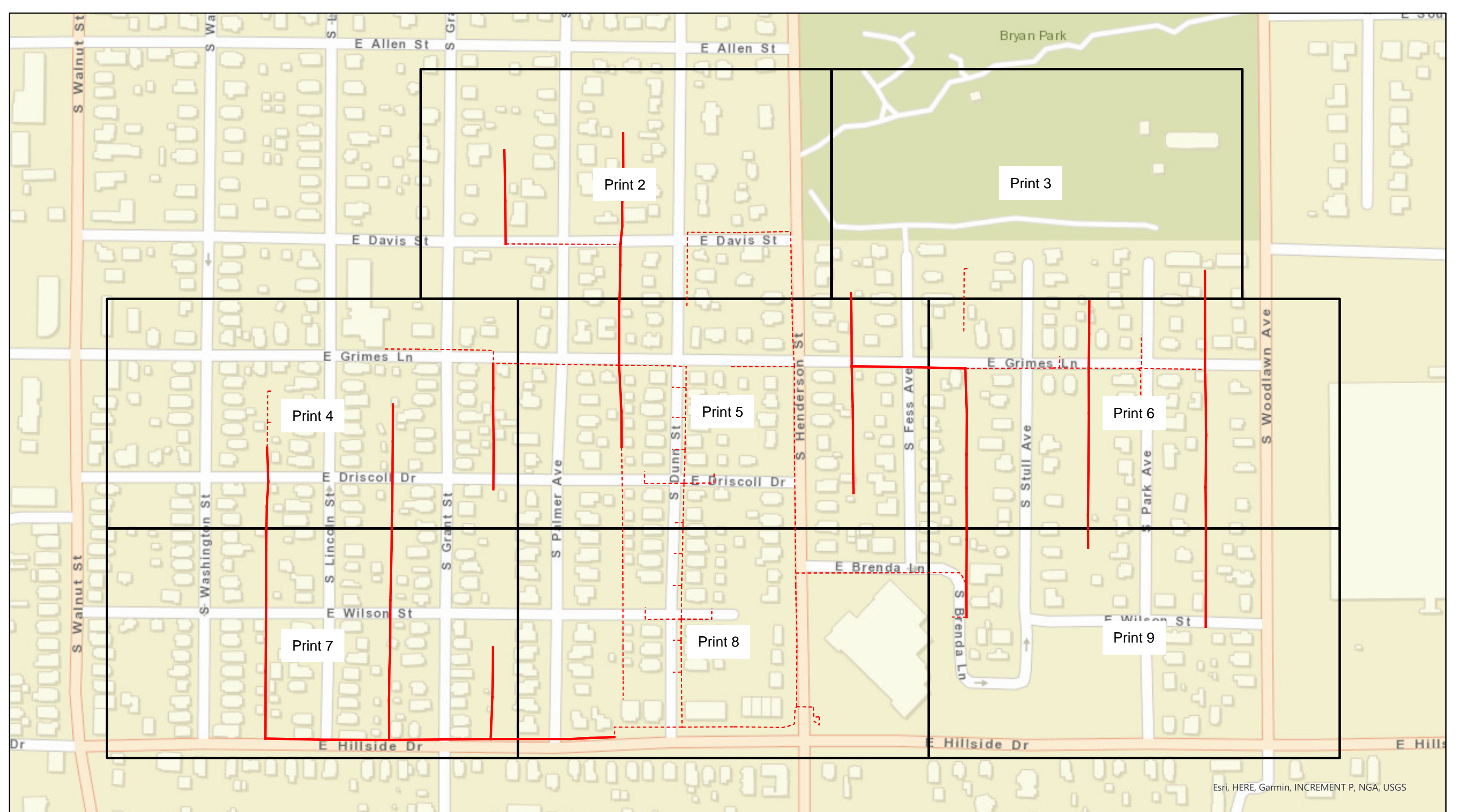


Board of Public Works Staff Report

Project/Event:	Lane and Sidewalk Closures for City-wide Fiber Project
Staff Representative:	Alex Gray
Petitioner/Representative:	Bret Simons
Date:	June 18 th , 2024

Report: AEG is requesting rolling lane and sidewalk closures for 3 permit areas as they continue the City-wide Fiber Project that is placing conduit and internet fiber lines throughout the City. The 3 permits shown have not been approved in the past and are new areas of the City AEG will access as part of their work. Each area is expected to take about 2 months to fully complete. The areas are:

S Stull Ave	Includes aerial and underground fiber placement in the neighborhood south of Bryan Park, but north of E Hillside Dr and contained between S Washington St and S Woodlawn Ave.
W Smith Ave	Majority of fiber placement is aerial installation and encompasses the neighborhood contained by S Rogers St, W 5 th St, S Lincoln St, and W 1 st St.
W Coolidge Dr	Includes aerial and underground fiber placement in the neighborhoods south of RCA park and south of Switchyard Park. The neighborhoods include from W Adams Hill Cir to Rockport Rd and W Graham Dr to the intersection of Rockport Rd and S Rogers St.

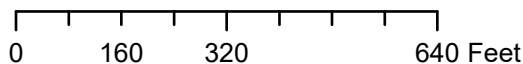


Esri, HERE, Garmin, INCREMENT P, NGA, USGS



Legend BLC02a-F10_ S Stull Ave

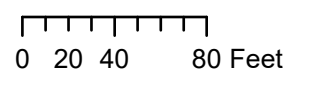
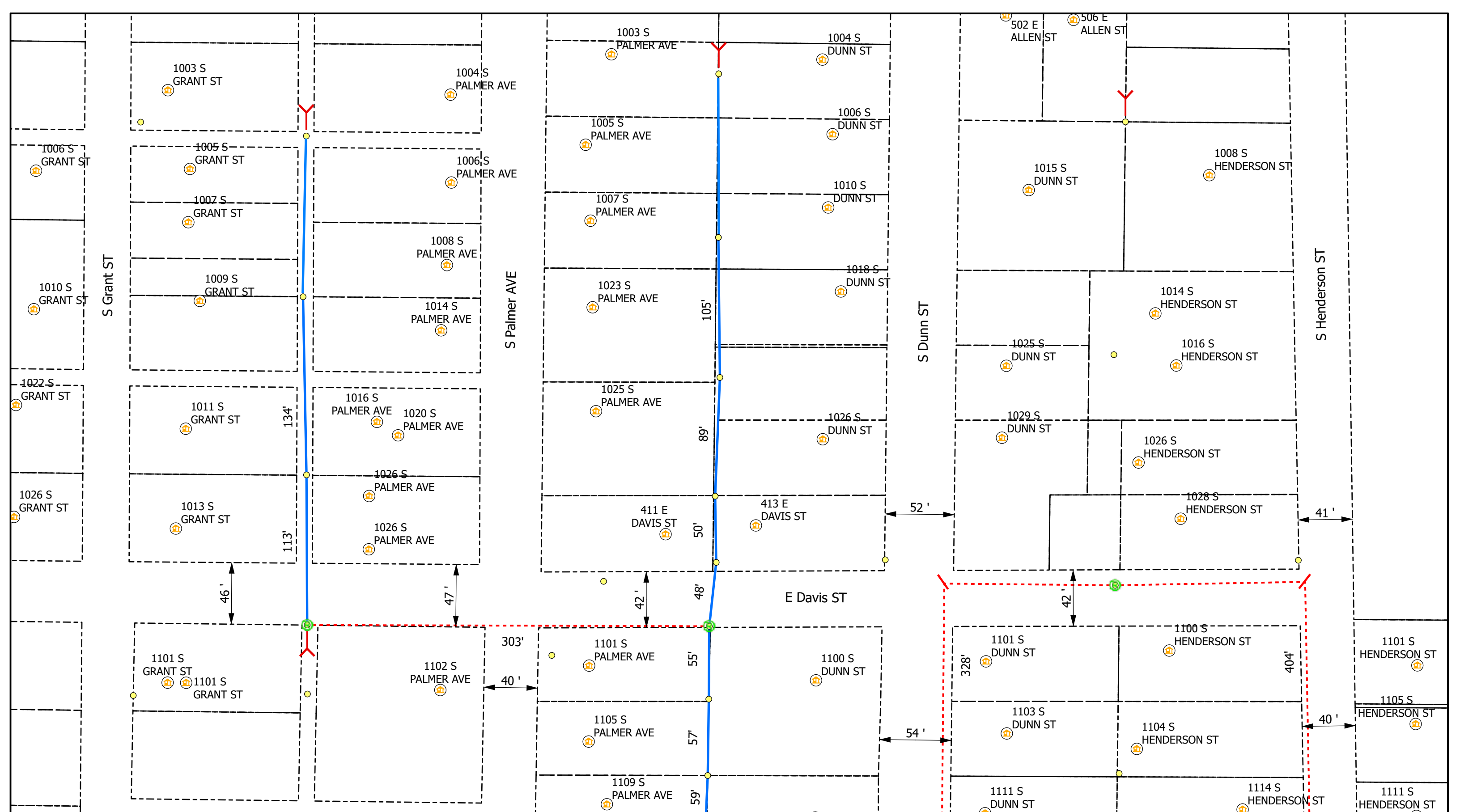
- Proposed Aerial
- - - Conduit
- Grids



City of Bloomington, IN Permit:
Design View

INI	BY	DATE	DESCRIPTION





Legend

- Poles
- Risers
- Y Anchor
- V Vaults
- Overhead Strand
- Conduit
- ↖ Sidewalk
- Bloomington_Parcels
- Grids

All Flowerpots 12" DIA



City of Bloomington, IN Permit:
Design View

INI	BY	DATE	DESCRIPTION



1001 S
HENDERSON ST

1020
S WOODLAWN
AVE

1020
S WOODLAWN
AVE

1020
S WOODLAWN
AVE

1100 S
FESS AVE

1101 S
FESS AVE

1102 S
STULL AVE

1101 S
STULL AVE

1102 S
PARK AVE

1101 S
PARK AVE

1101 S
PARK AVE

1100
S WOODLAWN
AVE

1104 S
FESS AVE

1103 S
FESS AVE

1104 S
STULL AVE

1105 S
STULL AVE

1104 S
PARK AVE

1103 S
PARK AVE

1100
S WOODLAWN
AVE

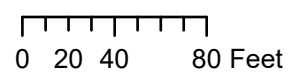
1106 S
FESS AVE

1105 S
FESS AVE

1106 S
PARK AVE

1105 S
PARK AVE

1114
S WOODLAWN
AVE



Legend

- Poles
- Risers
- Vaults
- Overhead Strand
- Conduit
- Address
- Anchor
- Sidewalk
- Bloomington_Parcels
- Grids

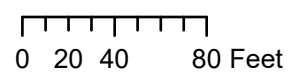
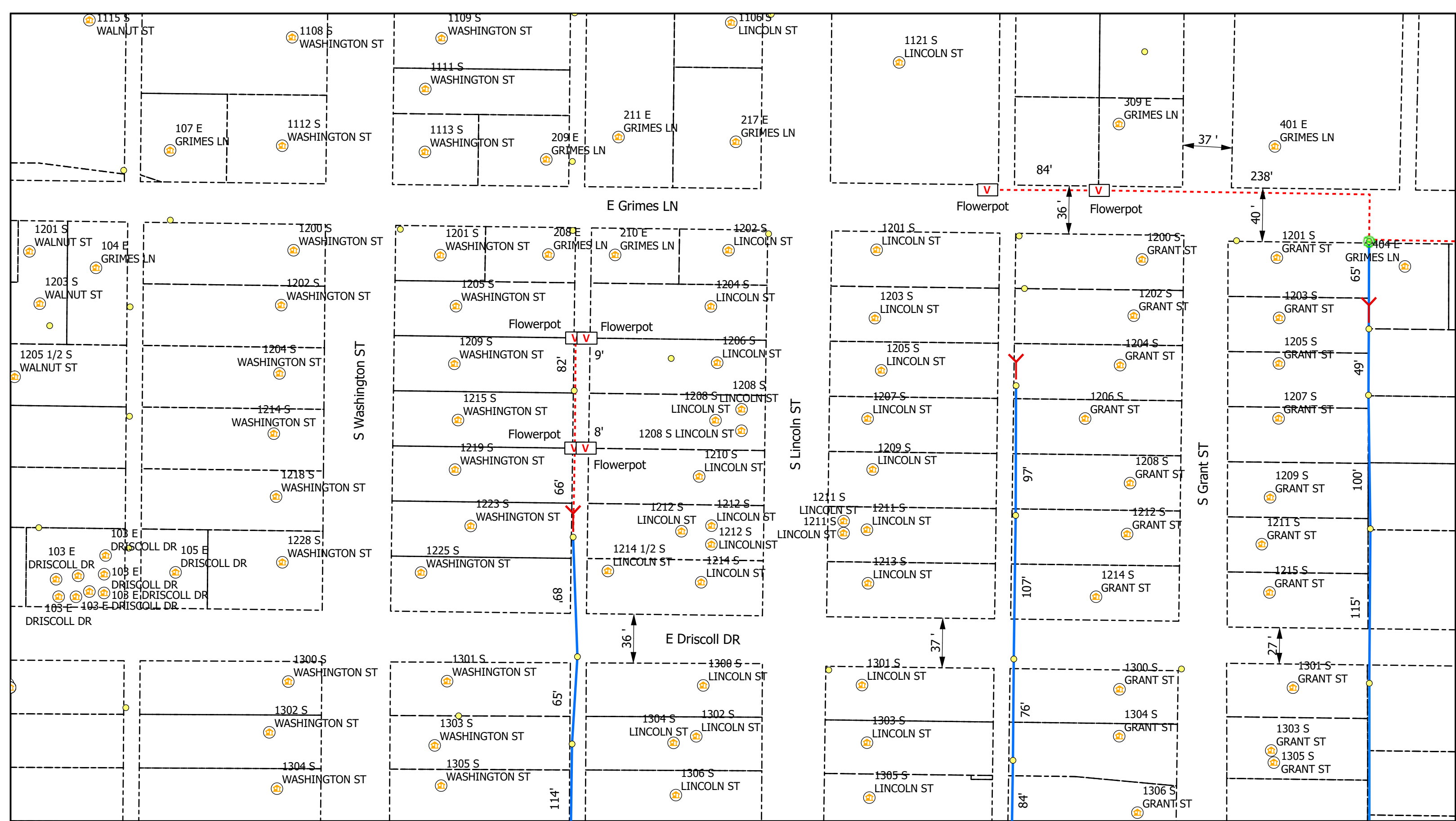
All Flowerpots 12" DIA



City of Bloomington, IN Permit:
Design View

INI	BY	DATE	DESCRIPTION





Legend

- Poles
- Ⓡ Risers
- Ⓜ Sidewalk
- V Vaults
- Overhead Strand
- Conduit
- Ⓜ Address
- Y Anchor
- Bloomington_Parcels
- Grids

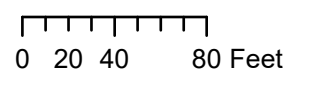
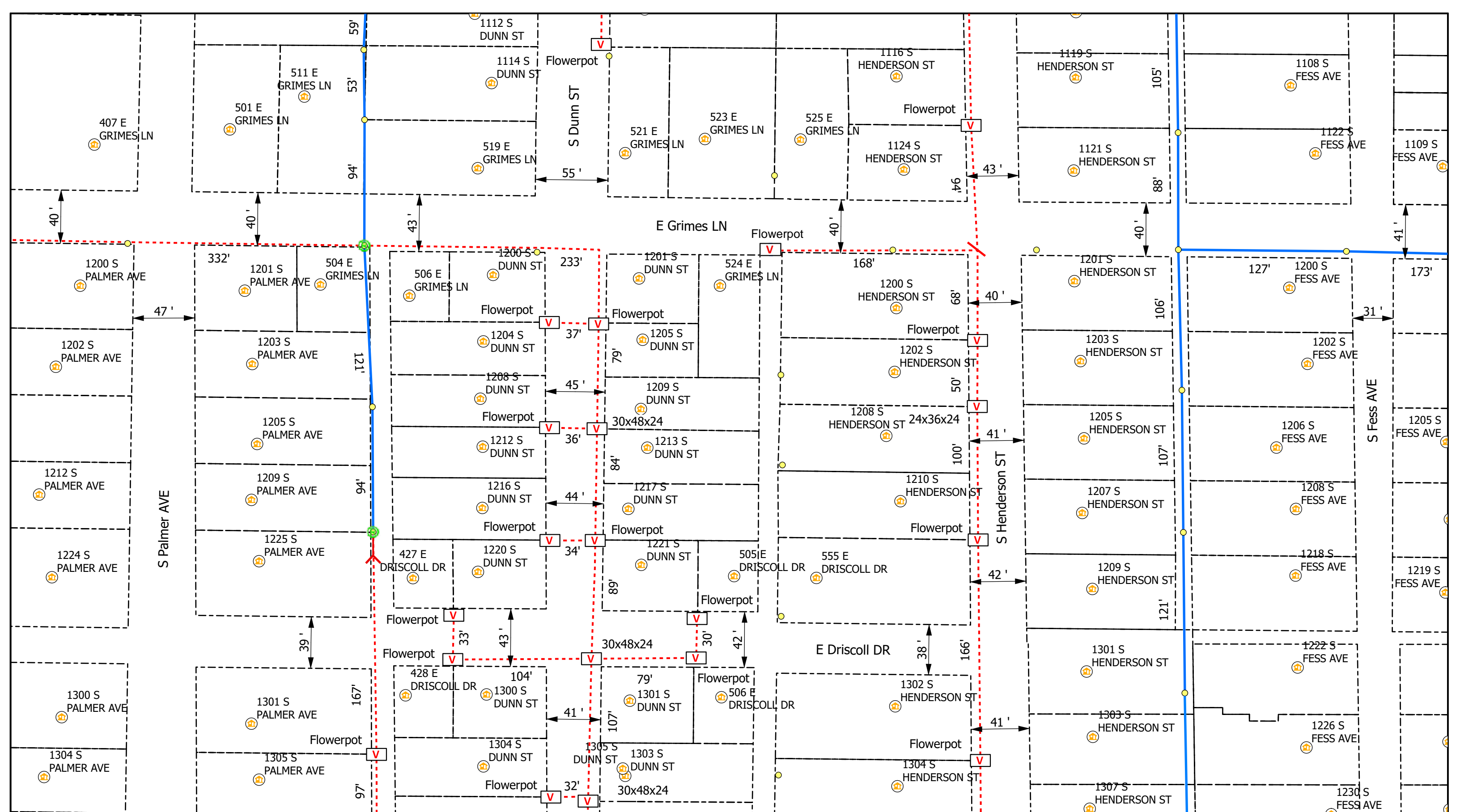
All Flowerpots 12" DIA



City of Bloomington, IN Permit:
Design View

INI	BY	DATE	DESCRIPTION





Legend

- Poles
- V Vaults
- Overhead Strand
- Conduit
- ⊕ Risers
- ⊕ Address
- Y Anchor
- ↖ Sidewalk
- Bloomington_Parcels
- Grids

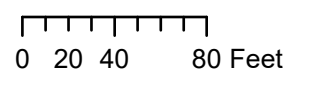
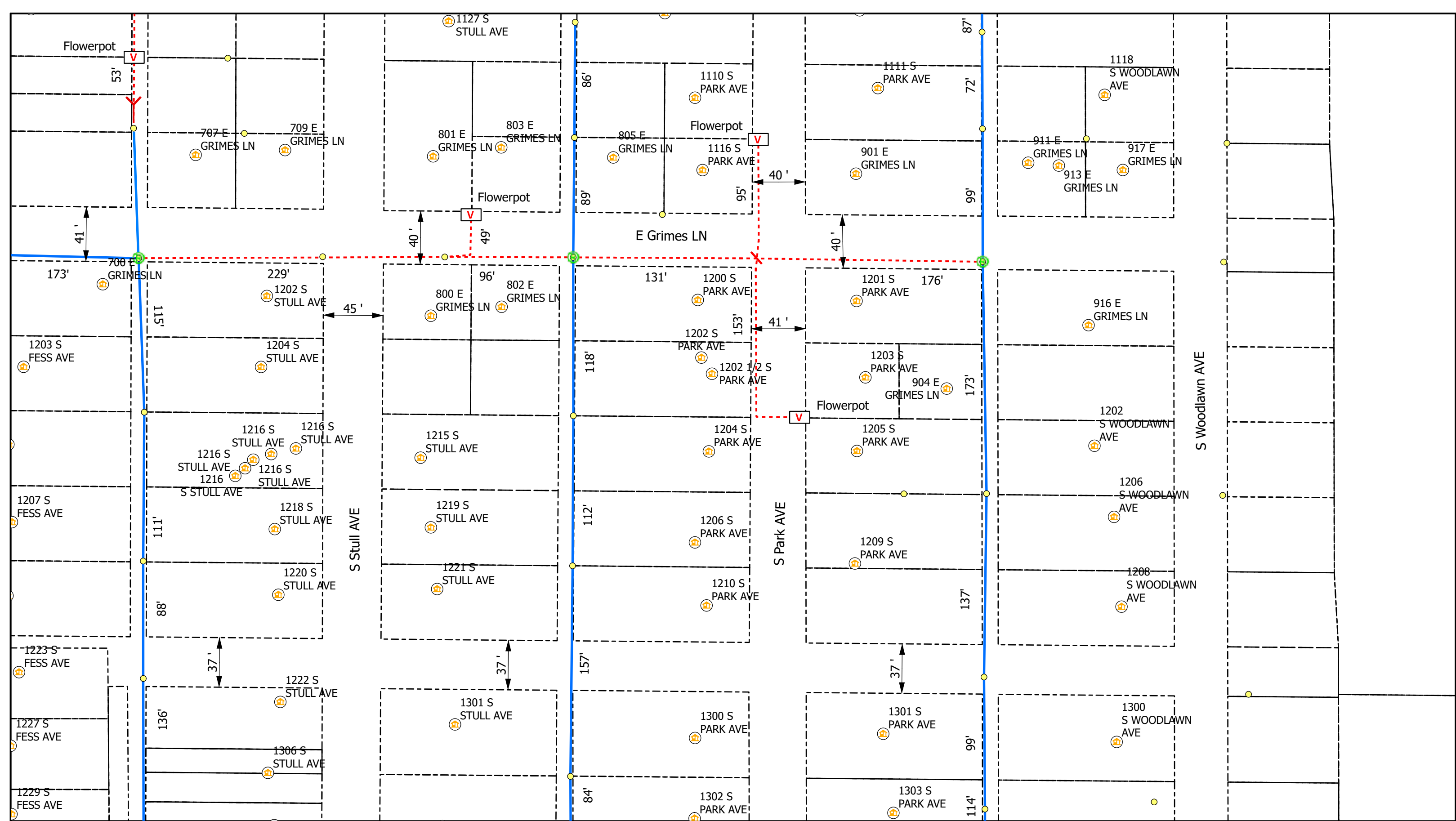
All Flowerpots 12" DIA



City of Bloomington, IN Permit:
Design View

INI	BY	DATE	DESCRIPTION





Legend

- Poles
- V Vaults
- Overhead Strand
- Conduit
- R Risers
- Ⓜ Address
- Y Anchor
- ↖ Sidewalk
- Bloomington_Parcels
- Grids

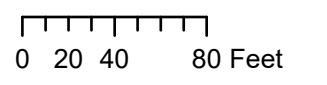
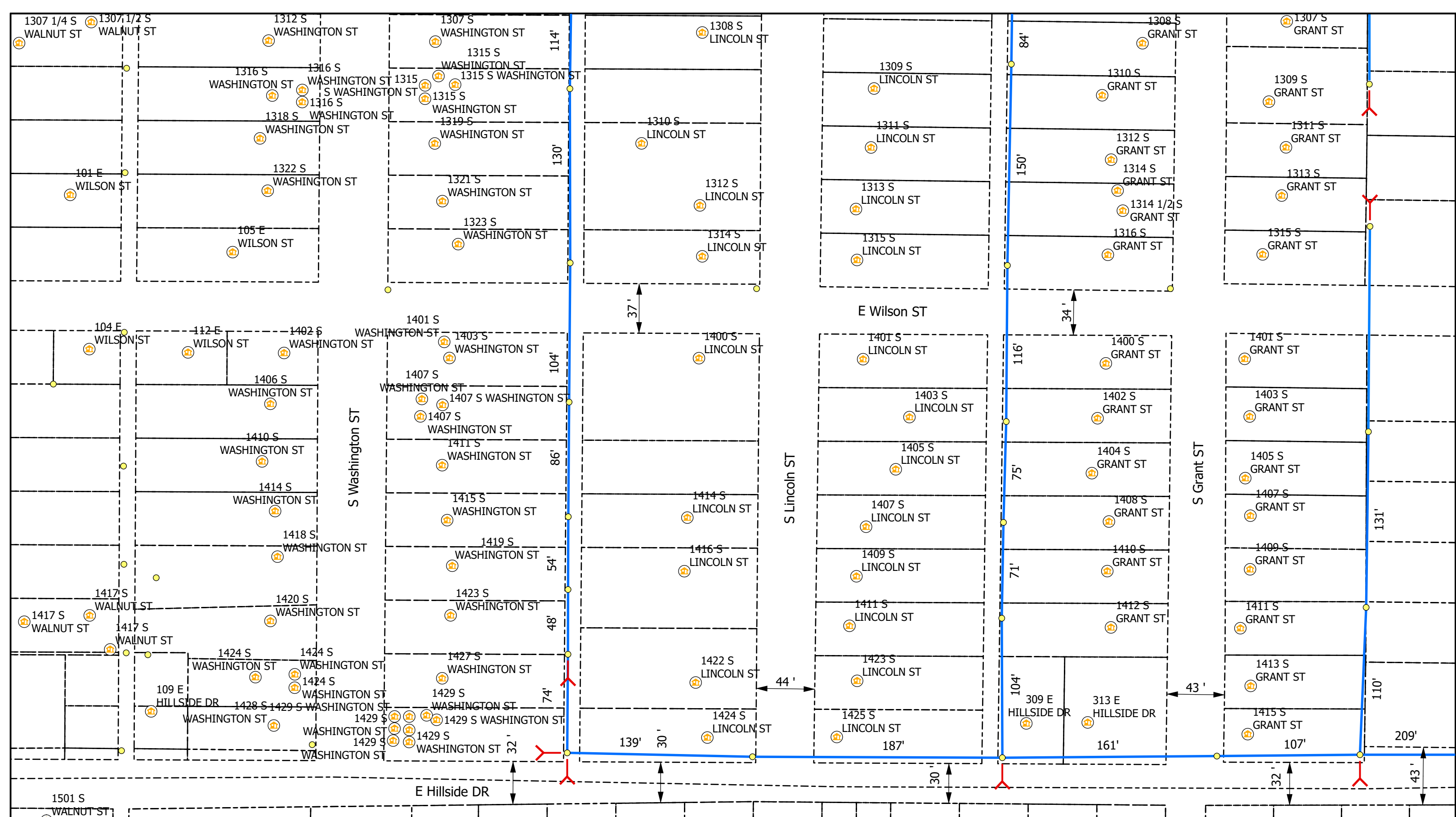
All Flowerpots 12" DIA



City of Bloomington, IN Permit:
Design View

INI	BY	DATE	DESCRIPTION





Legend

- Poles
- Ⓡ Risers
- ⏏ Sidewalk
- V Vaults
- Ⓜ Address
- Bloomington_Parcels
- Overhead Strand
- Conduit
- Y Anchor
- Grids

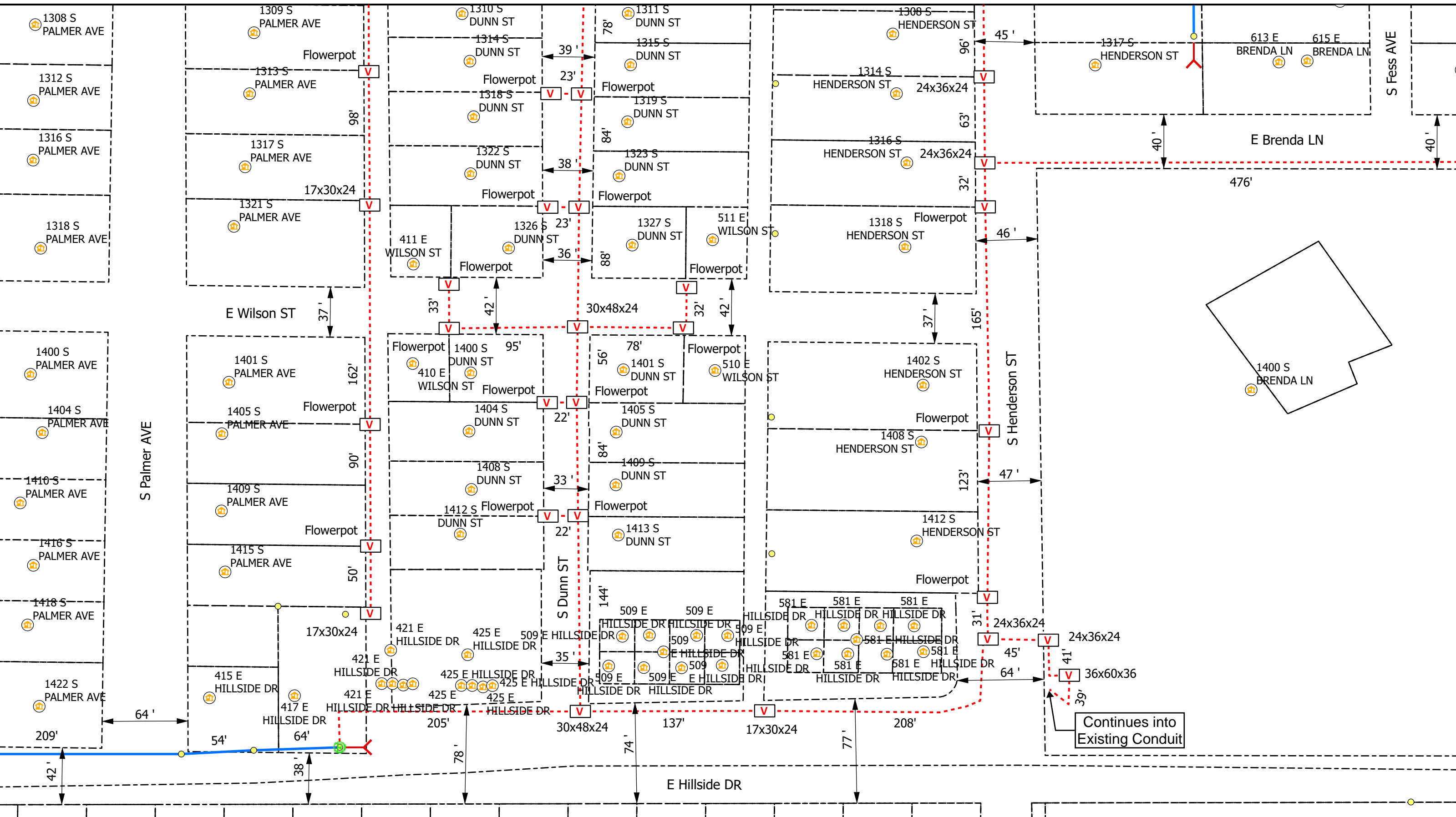
All Flowerpots 12" DIA



City of Bloomington, IN Permit:
Design View

INI	BY	DATE	DESCRIPTION





Legend

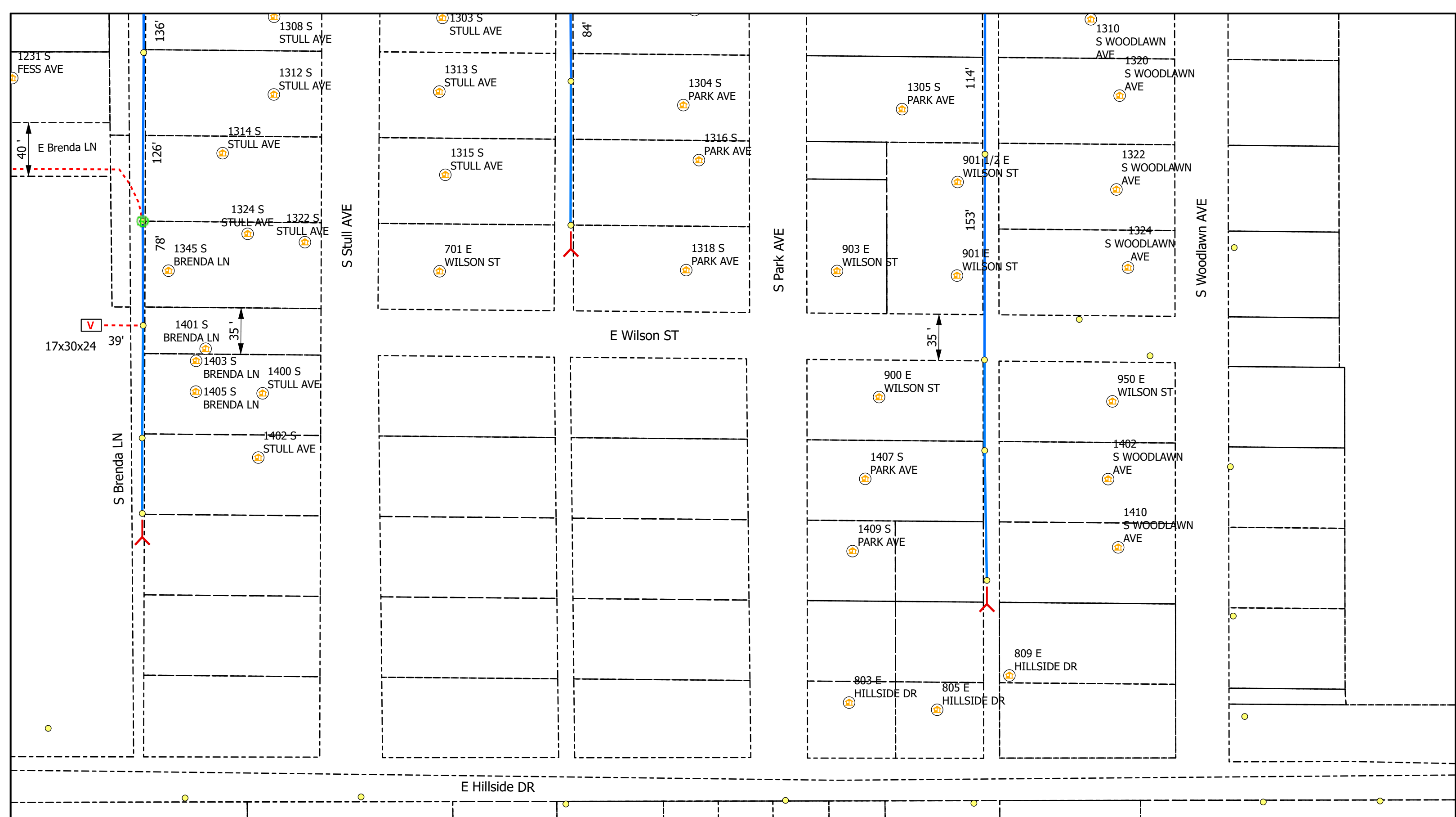
- Poles
- Vaults
- Overhead Strand
- Conduit
- Risers
- Address
- Anchor
- Sidewalk
- Bloomington_Parcels
- Grids

All Flowerpots 12" DIA

City of Bloomington, IN Permit:
Design View

INI	BY	DATE	DESCRIPTION

Print 8 of 9



Legend

- Poles
- V Vaults
- Overhead Strand
- Conduit
- Ⓡ Risers
- Ⓜ Address
- Y Anchor
- ↖ Sidewalk
- Bloomington_Parcels
- Grids

All Flowerpots 12" DIA



City of Bloomington, IN Permit:
Design View

INI	BY	DATE	DESCRIPTION



Carlton® PV-Mold® Nonmetallic Pole Riser System

Carlton PV-Mold is a nonmetallic pole riser system designed to protect communications power cable installed on poles.

Features:

- Meets or exceeds requirements outlined in the National Electric Safety Code (NESC).
- Designed in accordance with NEMA TC-19 specifications.
- Ultraviolet, cold temperature and corrosive atmosphere resistant.
- Schedule 40 wall meets Schedule 80 PVC conduit impact requirements per NEMA TC-19.
- No grounding required.
- Belled end fits over each added section or conduit.
- Flame retardant.
- Requires no maintenance.
- PV-Mold acts as an insulator against electrical shock.
- Interchangeable parts and accessories to match the needs of specific requirements.

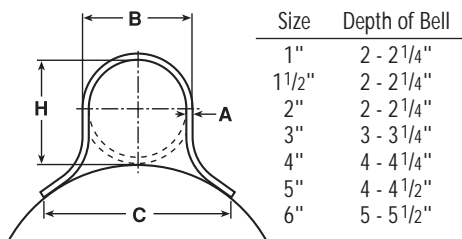


Steel U-Guard requires grounding strapping and does not have belled ends.



PV-Mold has belled ends, flanged design and does not require grounding.

Flanged Overall Length 10 Feet, Including Bell

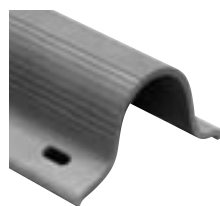


Slots are 1/2" from side to side, and allow for expansion and contraction.

Slot Dimensions: for sizes 2" through 6" are 5/16" wide, 3/4" long.

Slot Dimensions: for 1" and 1 1/2" are 3/16" wide, 3/4" long.

Slot Spacing: 18" from center, beginning 6" from end.



Standard Duty

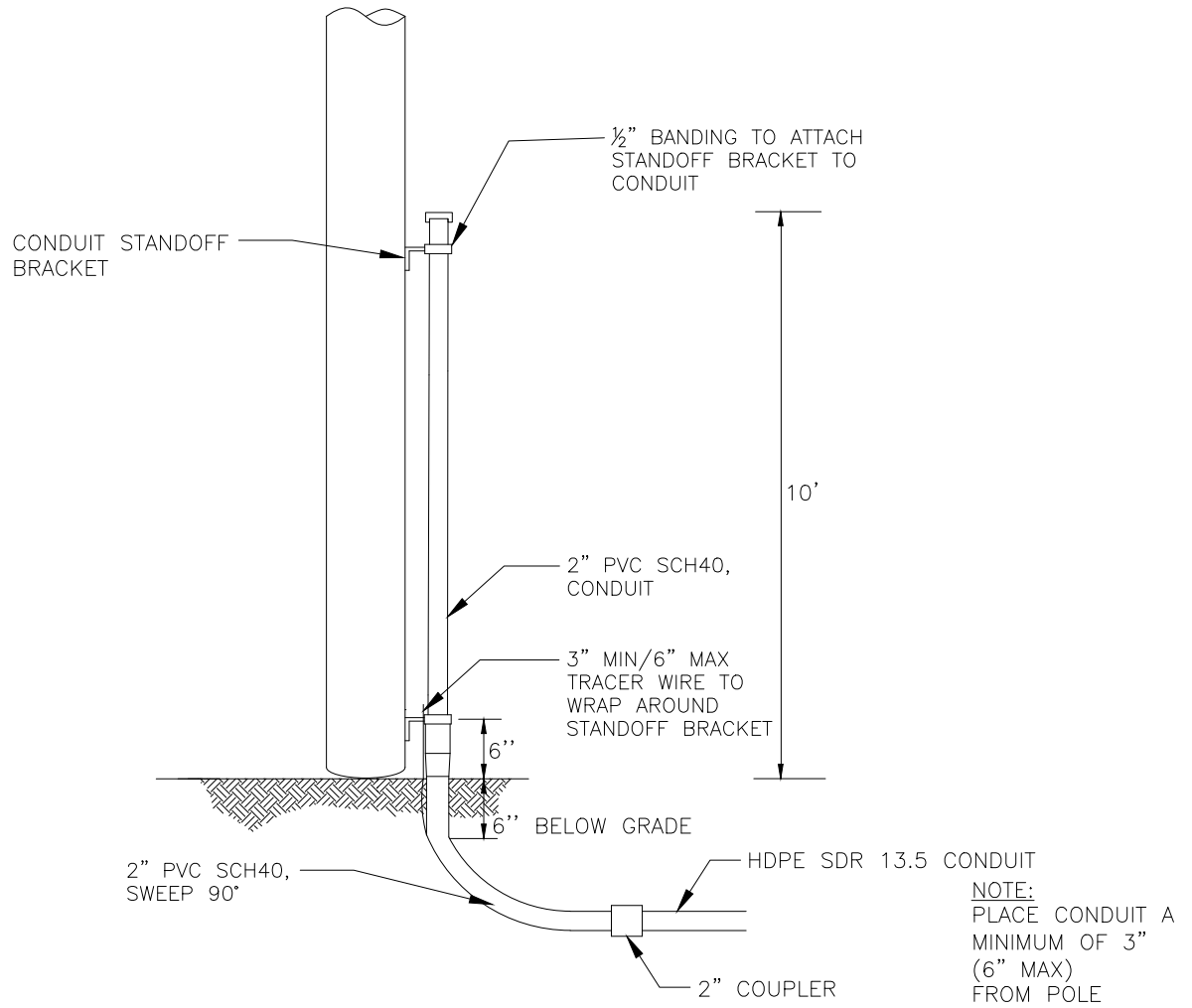
Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Dimensions				Actual Impact @ 0°C 20 Pound Top
				A	B	C	H	
59208N	1"	294	1059	0.100"	1 5/8"	2 3/8"	1 5/8"	40 Ft.-Lbs.
59211N	2"	136	726	0.100"	2 3/8"	4 1/2"	2 3/8"	100 Ft.-Lbs.
59211X (5' length)	2"	136	363	0.100"	2 3/8"	4 1/2"	2 3/8"	100 Ft.-Lbs.
59213N	3"	66	761	0.150"	3 1/2"	6"	3 1/2"	110 Ft.-Lbs.
59213X (5' length)	3"	66	381	0.150"	3 1/2"	6"	3 1/2"	100 Ft.-Lbs.
59215N	4"	65	910	0.150"	4 1/2"	6 1/2"	4 1/2"	110 Ft.-Lbs.
59216N	5"	30	515	0.150"	5 1/2"	7 1/2"	5 1/2"	110 Ft.-Lbs.

Heavy Duty Schedule 40

59010N	1 1/2"	200	1142	0.145"	1 29/32"	3 1/2"	1 29/32"	100 Ft.-Lbs.
59011N	2"	136	1214	0.154"	2 3/8"	4 1/2"	2 3/8"	150 Ft.-Lbs.
59013N	3"	66	937	0.216"	3 1/2"	6"	3 9/32"	150 Ft.-Lbs.
59015N	4"	65	1621	0.237"	4 1/2"	6 1/2"	4 1/2"	260 Ft.-Lbs.
59015X (5' length)	4"	65	707	0.237"	4 1/2"	6 1/2"	4 1/2"	260 Ft.-Lbs.
59016N	5"	30	870	0.258"	5 1/2"	7 1/2"	5 1/2"	260 Ft.-Lbs.
59017N	6"	30	1160	0.280"	6 5/8"	8 3/4"	6 5/8"	260 Ft.-Lbs.

Extra Heavy Duty Schedule 80

59411N	2"	136	1549	0.218"	2 3/8"	4 1/2"	2 3/8"	300 Ft.-Lbs.
59413N	3"	66	1495	0.030"	3 1/2"	6"	3 1/2"	525 Ft.-Lbs.



DESCRIPTION

QTY

MANUFACTURER
(PREFERRED)

PART #

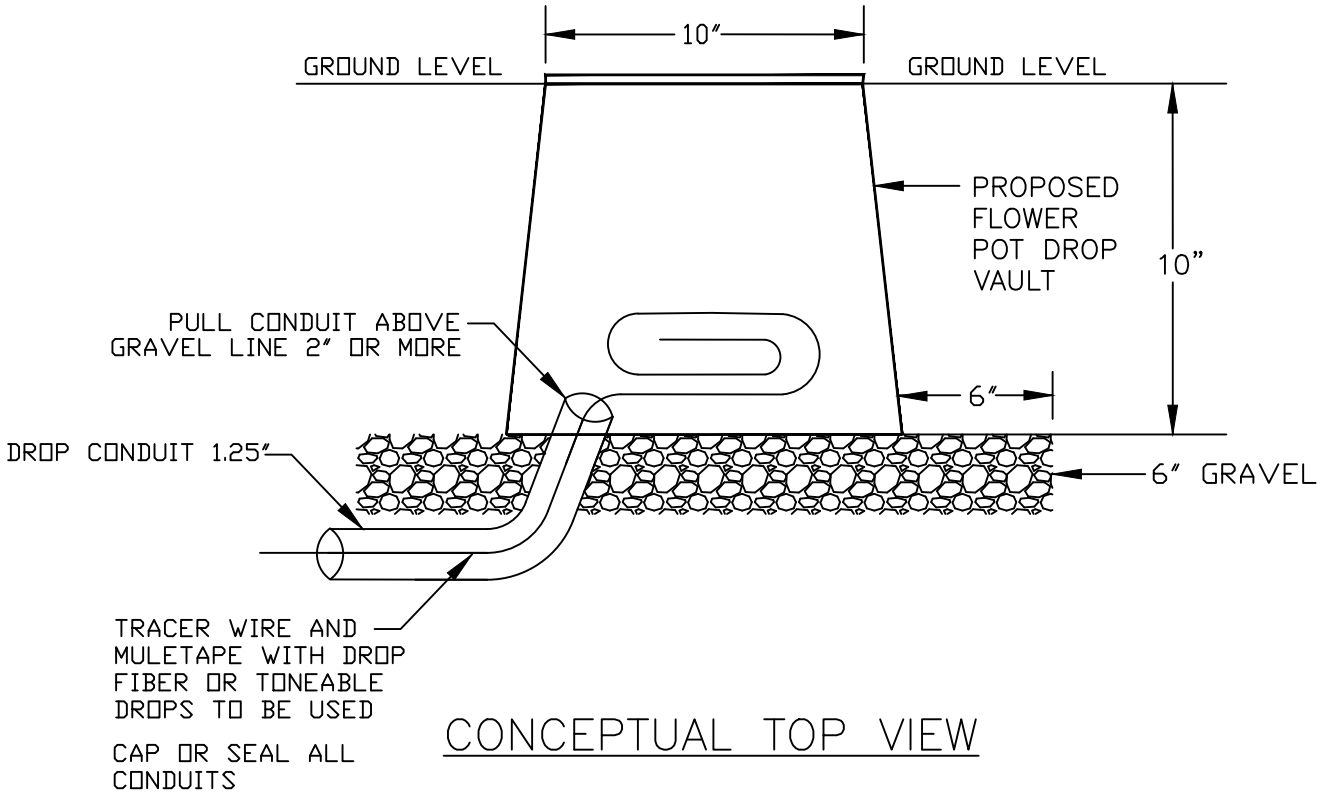
SCREW, LAG, 1/2" x 4-1/2"	10		
HDPE SDR 13.5 CONDUIT, VARIOUS SIZES	N/A		
2" PVC SCH40, RISER PIPE	1		
#12 TRACER WIRE	N/A		
2" PVC SCH40, SWEEP, 90 DEG	1		
CONDUIT STANDOFF BRACKET	VARIES		
CONDUIT STRAP KIT	VARIES		
2" COUPLER	1		



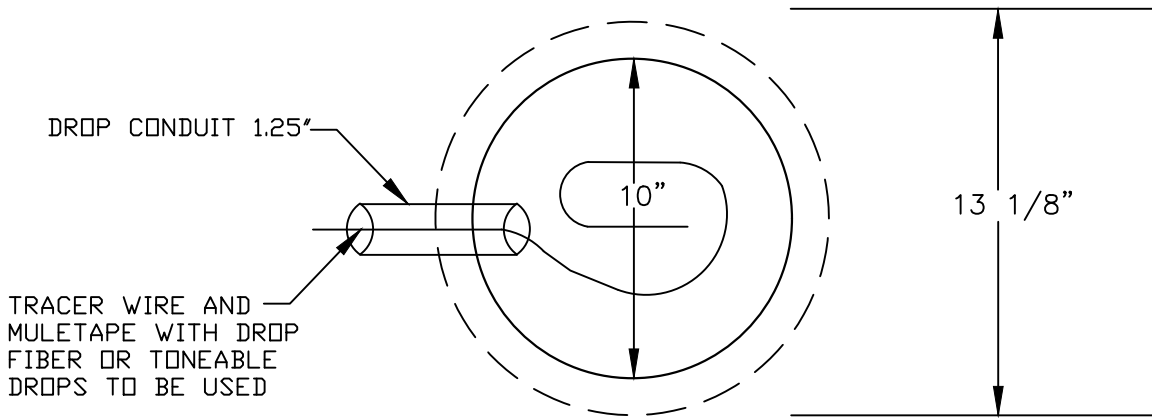
TYPICAL RISER
CONDUIT
WOOD POLE

(R2-W)

CONCEPTUAL SIDE VIEW



CONCEPTUAL TOP VIEW

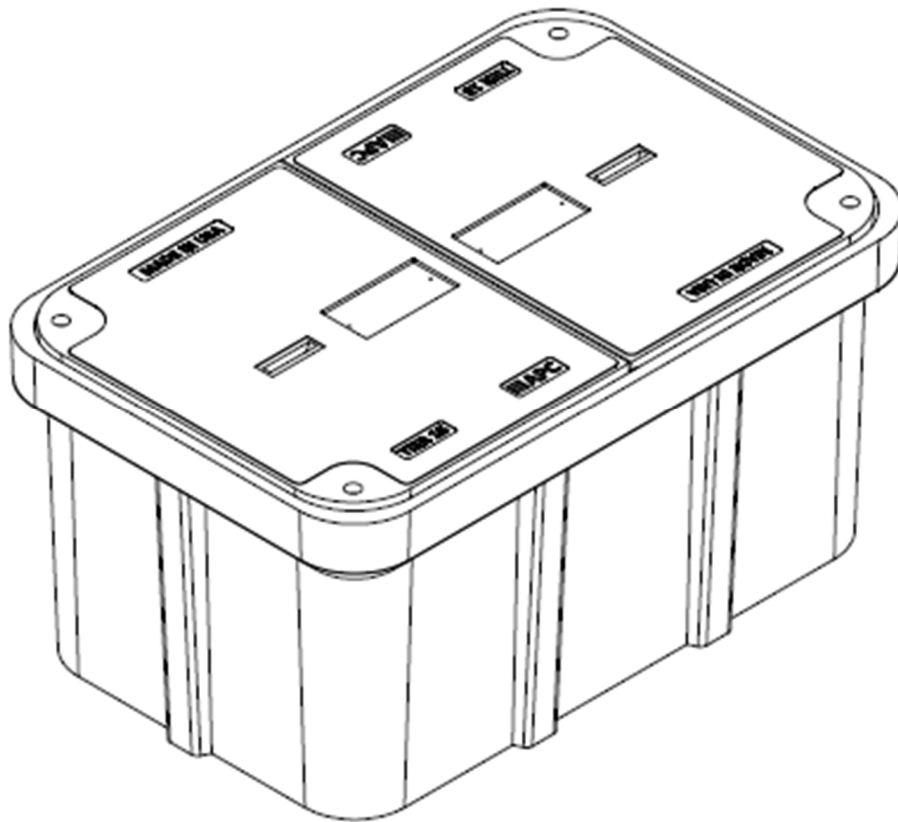


FLOWER POT

30"x48" PC UNIT, 2PC TIER 15/22
 18", 24", and 36" HEIGHT



AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit – TIER 15	30"x48"x18"	Tier 15	P304818HU15...	460 lbs.
PC Unit – TIER 22	30"x48"x18"	Tier 22	P304818HU22...	525 lbs.
PC Unit – TIER 15	30"x48"x24"	Tier 15	P304824HU15...	510 lbs.
PC Unit – TIER 22	30"x48"x24"	Tier 22	P304824HU22...	575 lbs.
PC Unit – TIER 15	30"x48"x36"	Tier 15	P304836HU15...	615 lbs.
PC Unit – TIER 22	30"x48"x36"	Tier 22	P304836HU22...	680 lbs.

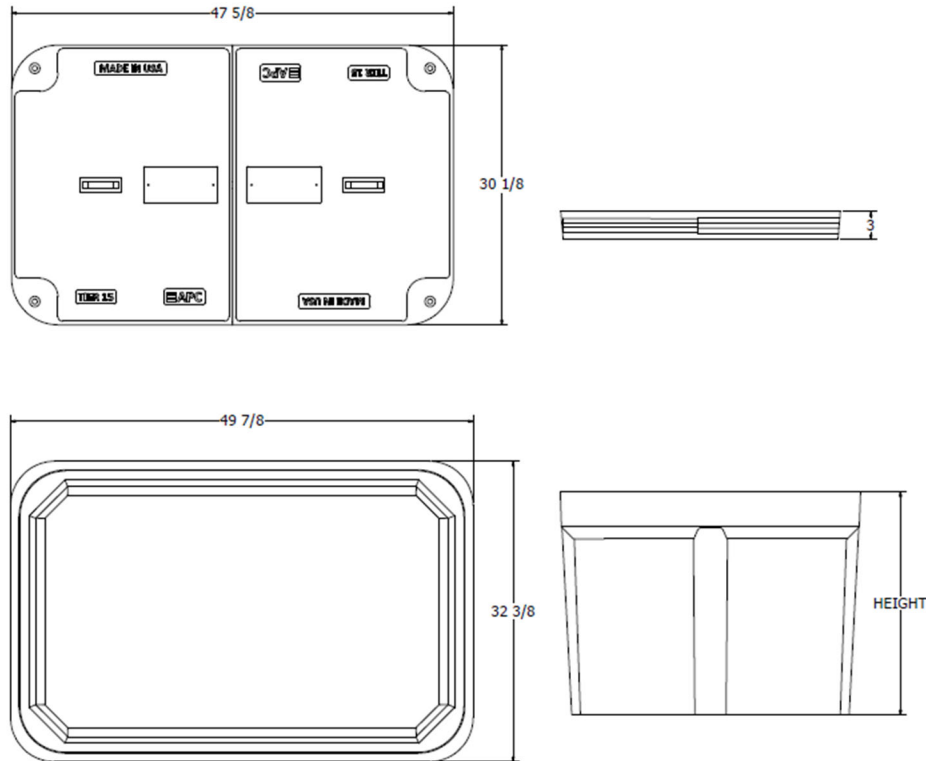


30"x48" PC UNIT, 2PC TIER 15/22

18", 24", and 36" HEIGHT



AMERICAN POLYMER COMPANY



Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	30"x48"x18"	Tier 22	P304818B22	185 lbs.
Replacement Box	30"x48"x24"	Tier 22	P304824B22	235 lbs.
Replacement Box	30"x48"x36"	Tier 22	P304836B22	340 lbs.
Replacement Lids - T15	30"x48" (half)	Tier 15	Various	150 lbs.
Replacement Lids - T22	30"x48" (half)	Tier 22	Various	170 lbs.

Bolt options



Machine Thread



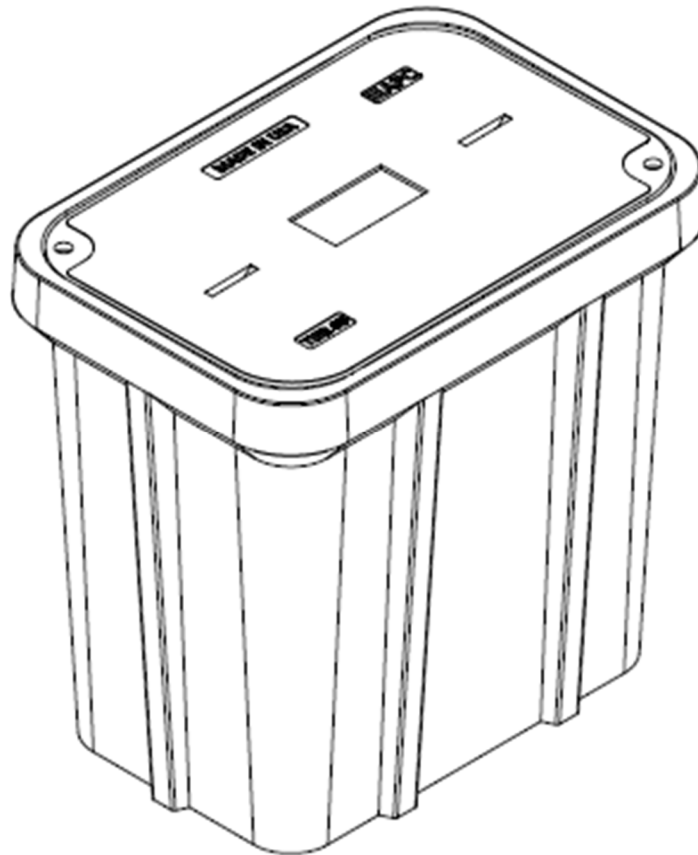
Auger Thread



24"x36" PC UNIT, TIER 15/22
 18", 24", 30", and 36" HEIGHT



AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit – TIER 15	24x36"x18"	Tier 15	P243618U15...	335 lbs.
PC Unit – TIER 22	24x36"x18"	Tier 22	P243618U22...	355 lbs.
PC Unit – TIER 15	24x36"x24"	Tier 15	P243624U15...	365 lbs.
PC Unit – TIER 22	24x36"x24"	Tier 22	P243624U22...	385 lbs.
PC Unit – TIER 15	24x36"x30"	Tier 15	P243630U15...	395 lbs.
PC Unit – TIER 22	24x36"x30"	Tier 22	P243630U22...	415 lbs.
PC Unit – TIER 15	24x36"x36"	Tier 15	P243636U15...	425 lbs.
PC Unit – TIER 22	24x36"x36"	Tier 22	P243636U22...	445 lbs.

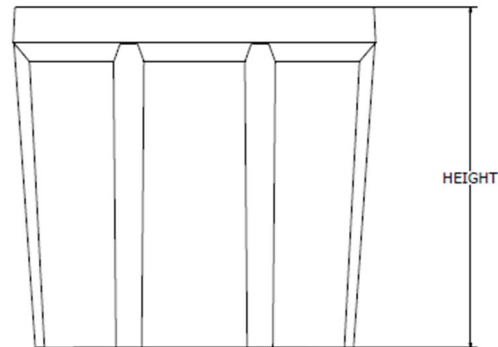
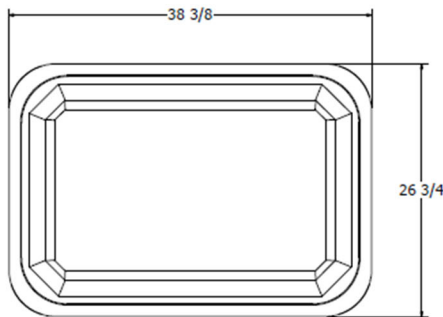
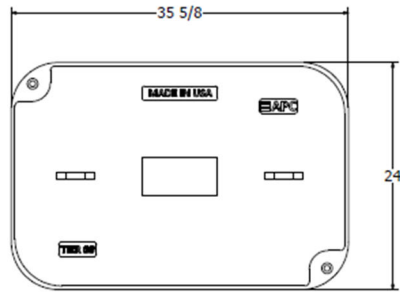


24"x36" PC UNIT, TIER 15/22

18", 24", 30", and 36" HEIGHT



AMERICAN POLYMER COMPANY



Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	24"x36"x18"	Tier 22	P243618B22	165 lbs.
Replacement Box	24"x36"x24"	Tier 22	P243624B22	195 lbs.
Replacement Box	24"x36"x30"	Tier 22	P243630B22	225 lbs.
Replacement Box	24"x36"x36"	Tier 22	P243636B22	255 lbs.
Replacement Lids - T15	24"x36"	Tier 15	Various	170 lbs.
Replacement Lids - T22	24"x36"	Tier 22	Various	190 lbs.

Bolt options

Hex Head



Machine Thread



Penta Head



Auger Thread

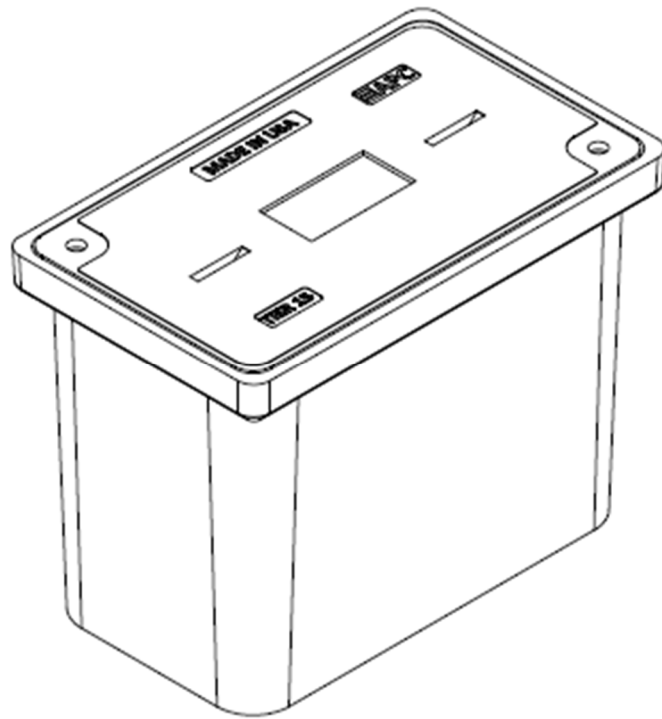


17"x30" PC UNIT, TIER 15/22

12", 18", 24", and 30" HEIGHT



AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit - TIER 15	17"x30"x12"	Tier 15	P173012U15...	138 lbs.
PC Unit - TIER 22	17"x30"x12"	Tier 22	P173012U22...	147 lbs.
PC Unit - TIER 15	17"x30"x18"	Tier 15	P173018U15...	172 lbs.
PC Unit - TIER 22	17"x30"x18"	Tier 22	P173018U22...	181 lbs.
PC Unit - TIER 15	17"x30"x24"	Tier 15	P173024U15...	192 lbs.
PC Unit - TIER 22	17"x30"x24"	Tier 22	P173024U22...	201 lbs.
PC Unit - TIER 15	17"x30"x30"	Tier 15	P173030U15...	217 lbs.
PC Unit - TIER 22	17"x30"x30"	Tier 22	P173030U22...	226 lbs.

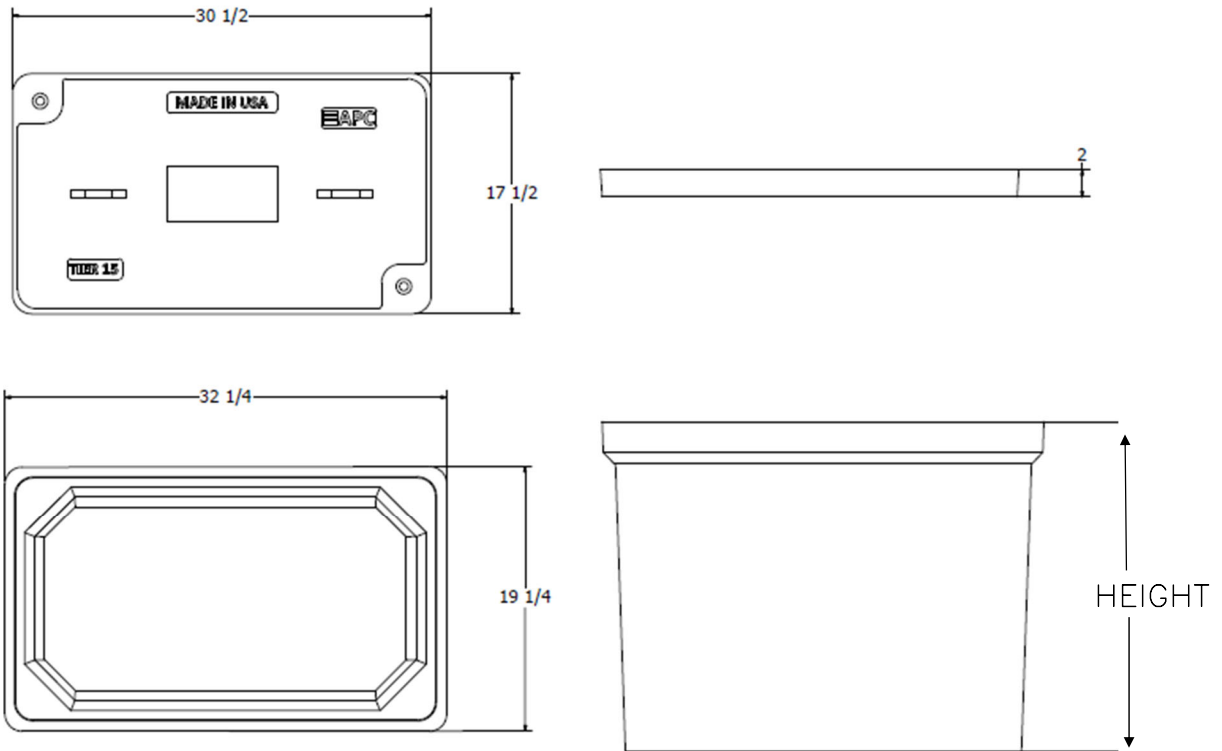


17"x30" PC UNIT, TIER 15/22

12", 18", 24", and 30" HEIGHT



AMERICAN POLYMER COMPANY



Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	17"x30"X12"	Tier 22	P173012B22	66 lbs.
Replacement Box	17"x30"X18"	Tier 22	P173018B22	100 lbs.
Replacement Box	17"x30"X24"	Tier 22	P173024B22	120 lbs.
Replacement Box	17"x30"X30"	Tier 22	P173030B22	145 lbs.
Replacement Lids – T15	17"x30"	Tier 15	Various	72 lbs.
Replacement Lids – T22	17"x30"	Tier 22	Various	81 lbs.

Bolt options



Machine Thread



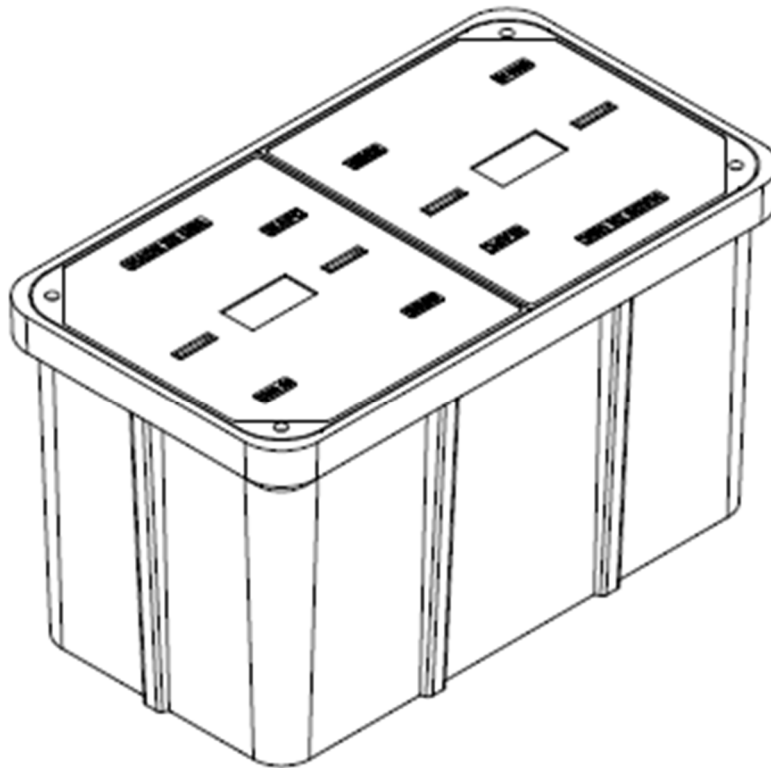
Auger Thread



33"x60" PC UNIT, 2PC TIER 15/22
36" HEIGHT



AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit - TIER 15	33"x60"x36"	Tier 15	P336036U15...	930 lbs.
PC Unit - TIER 22	33"x60"x36"	Tier 22	P336036U22...	1030 lbs.

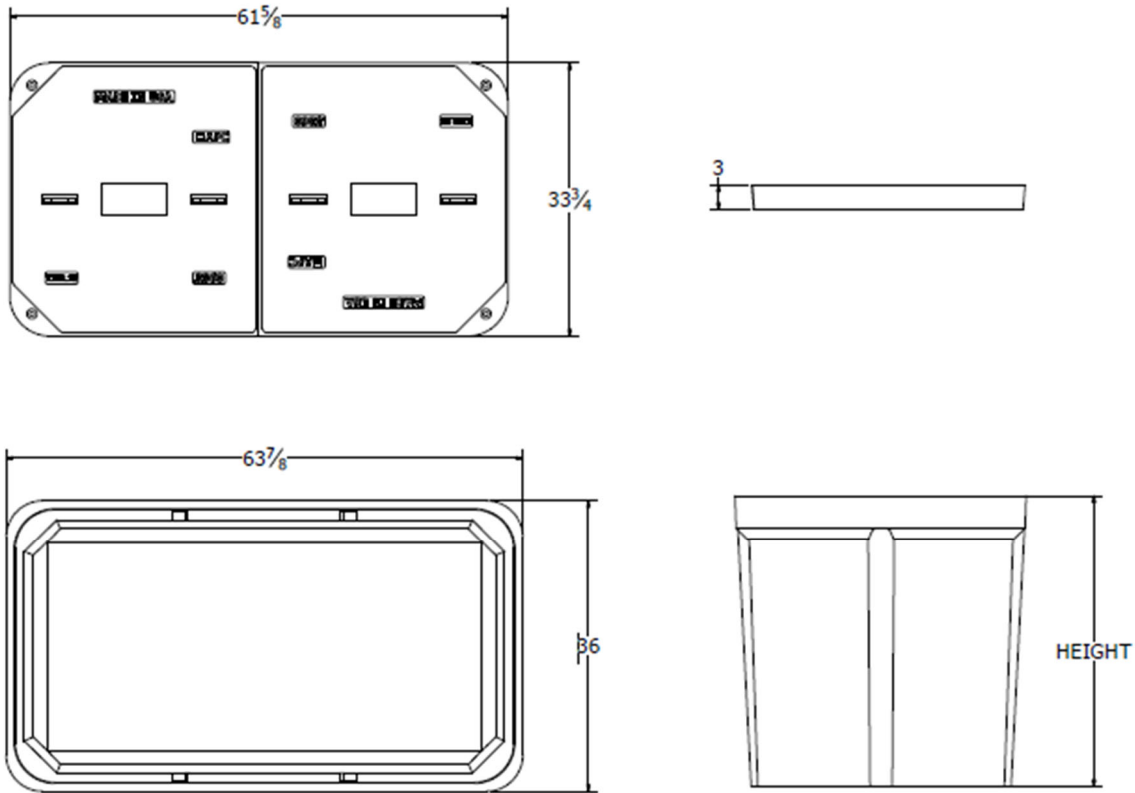


33"x60" PC UNIT, 2PC TIER 15/22

36" HEIGHT



AMERICAN POLYMER COMPANY



Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	33"x60"x36"	Tier 22	P336036B22	530 lbs.
Replacement Lids - T15	33"x60" (half)	Tier 15	Various	200 lbs.
Replacement Lids - T22	33"x60" (half)	Tier 22	Various	250 lbs.

Bolt options

Hex Head



Machine Thread



Penta Head



Auger Thread



Spacing Charts Based on MUTCD			Must be Approved by an Engineer				
Speed (MPH) Prior To Road Work	SIGN SPACING, FT.		BUFFER SPACE, FT.	TAPER LENGTH, FT.	CHANNELIZING SPACING, FT.		
	Non-Divided Highways	Divided Highways	Length	Shoulder (10 ft. Wide)	Lane (12 ft. Wide)	Through Taper	Through Buffer/Work Area
0-35	200	200	250	70	245	35	50
40-45	350	500	360	150	540	40	80
50-55	500	1000	495	185	660	50	100
60-70	SA-1000, SB-1500, SC-2640		730	235	840	60	120
Urban Low Speed - 100 FT							

APPROVED/ACCEPTED BY:
ENGINEER, OWNER, or PRIME CONTRACTOR
 Check for Notice to Proceed.

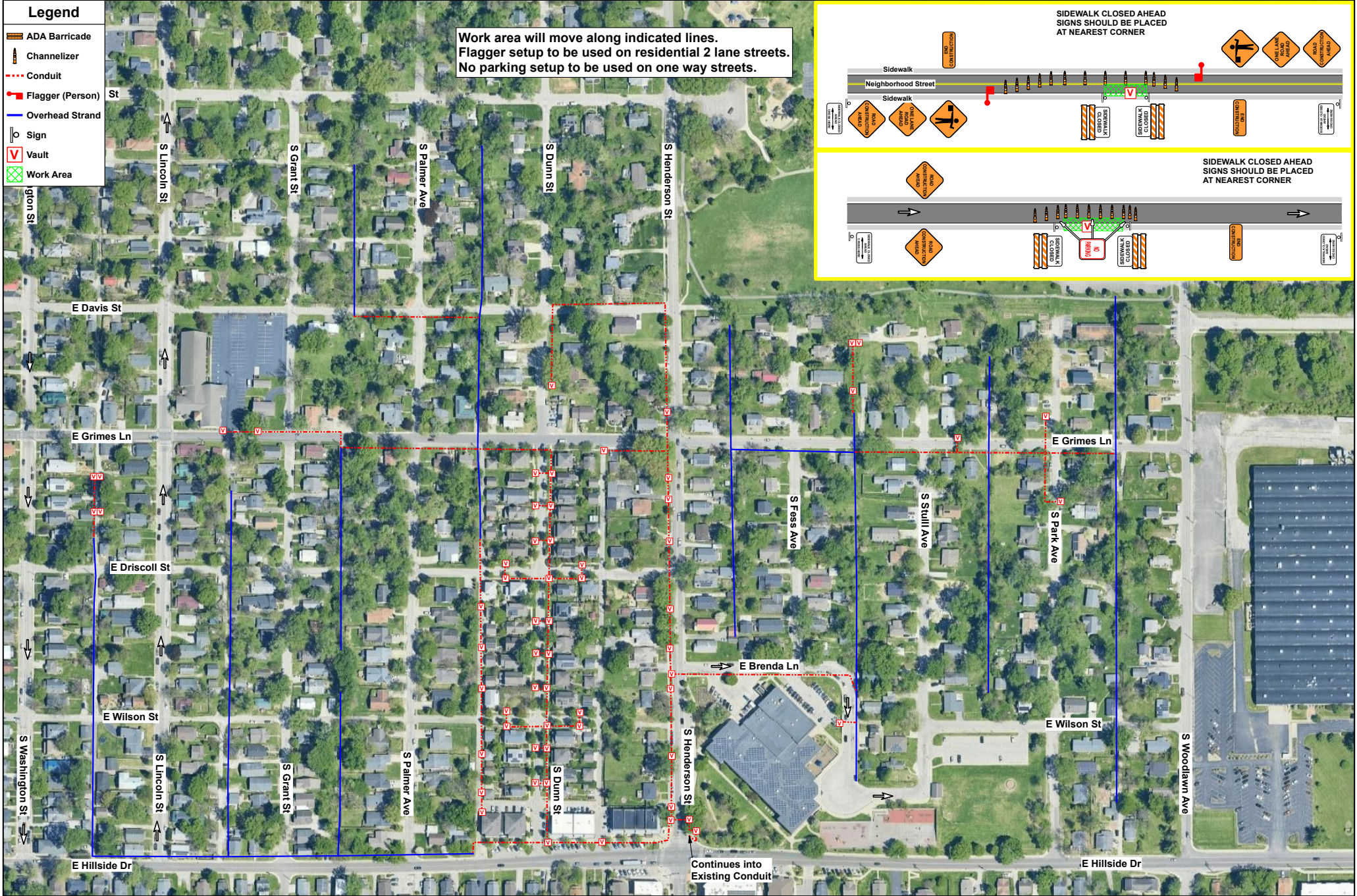
Signature: _____

Company: _____

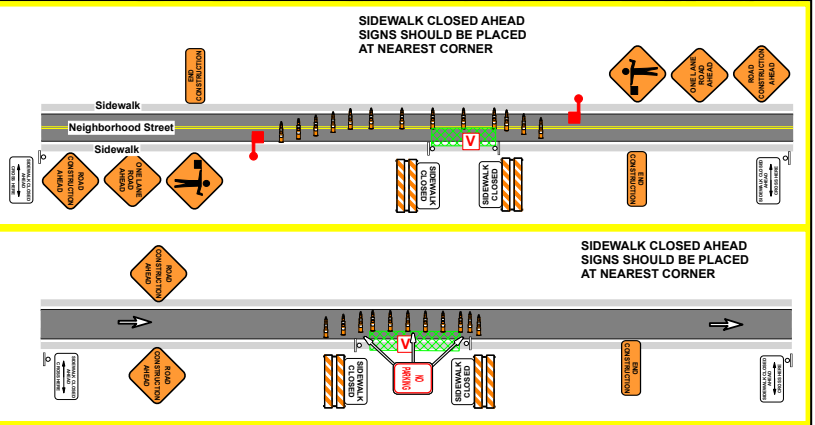


Date: 4/29/2024 Project: BLC02a-F10 S Stull Ave ;
Traffic Control Suggestion For: ATLANTIC ENGINEERING (AEG) ;
By: Road Runner Safety Services, Inc. : Nathan

Comments:
Drawing not to scale. Traffic control plan must be approved by an engineer. This is a suggestion only. Road Runners Safety Services, Inc. has no liability for this suggested traffic control plan. Actual placement and spacing of all traffic control devices will depend on field conditions and must conform to MUTCD standards.



- Legend**
- ADA Barricade
 - Channelizer
 - Conduit
 - Flagger (Person)
 - Overhead Strand
 - Sign
 - Vault
 - Work Area



Continues into Existing Conduit




CITY OF BLOOMINGTON RIGHT-OF-WAY USE PERMIT APPLICATION

401 N Morton Street, Suite 130
P.O. Box 100
Bloomington, IN 47402

Phone: (812) 349-3913
Fax: (812) 349-3520
Email:
engineering@bloomington.in.gov

ROW EXCAVATION ROW USE

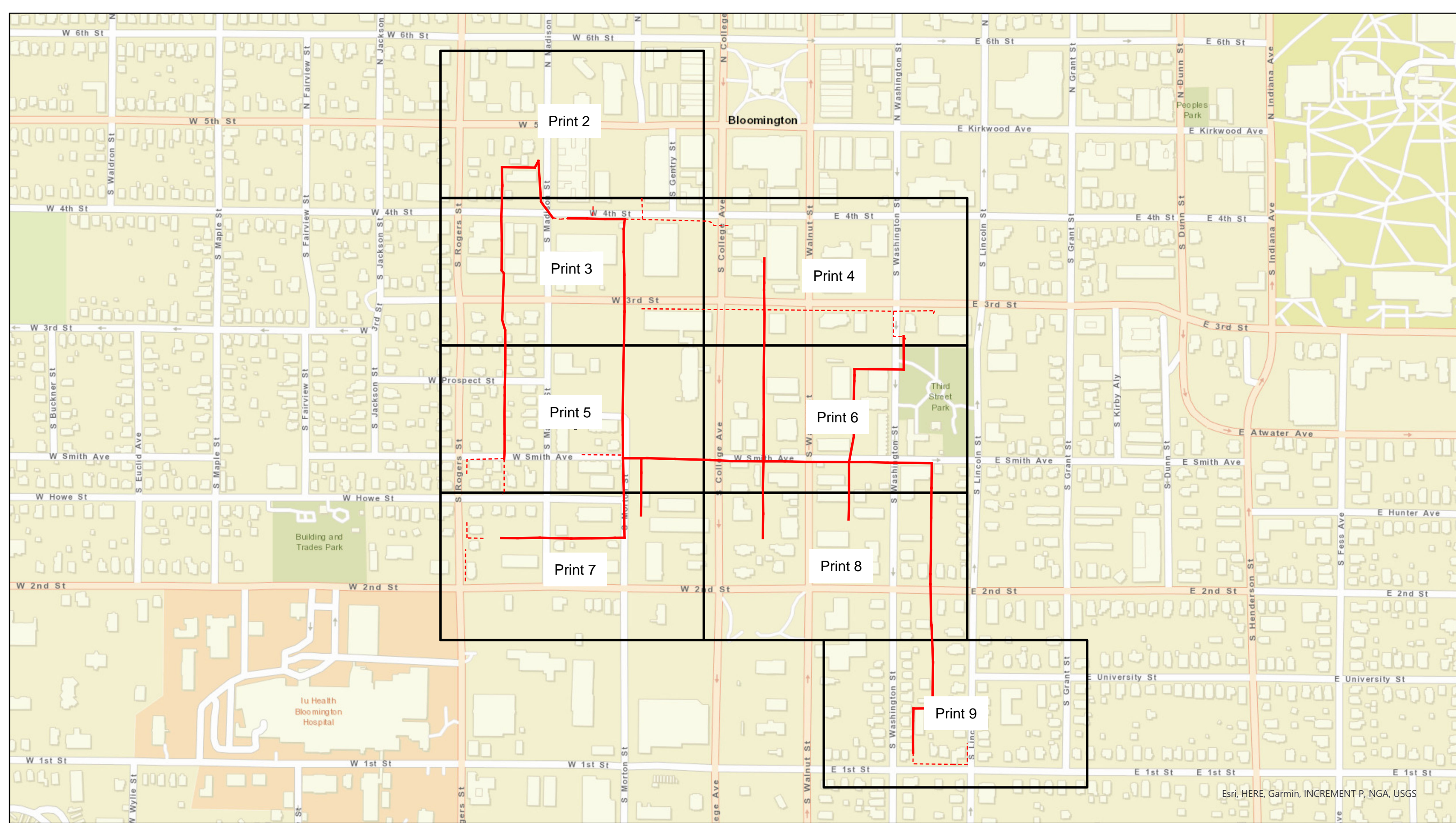
ADDRESS OF ROW ACTIVITY: BLC02a-F10_ S Stull Ave

A. APPLICANT/AGENT INFORMATION:		D. TRAFFIC CONTROL DEVICES*:	
APPLICANT NAME: <u>Bret Simons</u>		<input checked="" type="checkbox"/> CONES <input type="checkbox"/> ARROWBOARD	
E-MAIL: <u>bret.simons@aeg.cc</u>		<input type="checkbox"/> LIGHTED BARRELS <input checked="" type="checkbox"/> TYPE 3 BARRICADES	
COMPANY: <u>Atlantic Engineering Group</u>		<input checked="" type="checkbox"/> FLAGGERS <input type="checkbox"/> BPD OFFICER	
ADDRESS: <u>P.O. Box 349</u>		*PROVIDING MUTCD COMPLIANT TEMPORARY TRAFFIC CONTROL DEVICES AND MAINTENANCE OF TRAFFIC (MOT) PLAN IS YOUR RESPONSIBILITY AND REQUIRED. See page 3 for additional MOT resources; the graph paper can be used for your MOT site plan if needed or you can submit a separate sheet	
CITY, STATE, ZIP: <u>Buford, GA 30515</u>			
24-HR EMERGENCY CONTACT NAME: <u>(706)654-2298</u>		E. METERED PARKING SPACES NEEDED: <input type="checkbox"/> Y <input type="checkbox"/> N	
24-HR CONTACT PHONE #: _____		IT IS THE RESPONSIBILITY OF THE APPLICANT TO RESERVE PARKING METER(S) APPLICATION LOCATED: https://bloomington.in.gov/transportation/parking/moving OR CONTACT PARKING SERVICES WITH QUESTIONS AT (812)349-3436	
INSURANCE #*: <u>TB5-691-473497-082</u> COMPANY: <u>ACORD</u>		F. IS THIS A <input type="checkbox"/> CBU* <input type="checkbox"/> COUNTY* <input type="checkbox"/> IU* <input type="checkbox"/> NP* PROJECT?	
BOND #*: <u>1160465</u> COMPANY: <u>LEXON</u>		PROJECT NAME: <u>BLC02a-F10 S Stull Ave</u>	
*INSURANCE & BOND MUST BE ON FILE WITH THE CITY BEFORE PERMIT WILL BE ISSUED		PROJECT #: <u>BLC02a-F10 S Stull Ave</u>	
SUBCONTRACTOR INFORMATION		PROJECT MGR.: <u>Patrick Brigman</u>	
(LIST ALL COMPANIES WORKING UNDER PRIMARY CONTRACTOR PERMIT)		PROJECT MGR. #: <u>215-847-8819</u>	
COMPANY NAME: _____		*CBU = CITY OF BLOOMINGTON UTILITIES *COUNTY = MONROE COUNTY	
B. WORK DESCRIPTION:		*IU = INDIANA UNIVERSITY *NP = NOT-FOR-PROFIT AGENCY	
<input type="checkbox"/> POD/DUMPSTER <input type="checkbox"/> CRANE <input type="checkbox"/> SCAFFOLDING <input checked="" type="checkbox"/> CONSTRUCTION USE*		G. EXCAVATIONS:	
(EXPLAIN): <u>Excavation</u>		SQ FT OF PAVEMENT* EXCAVATIONS: <u>N/A</u>	
*EXCAVATION, LONG TERM USE FOR STORAGE OF MATERIAL/EQUIPMENT/WALKAROUND		*PAVEMENT INCLUDES: IN OR UNDER CONCRETE, OR ASPHALT INCLUDING CURBS	
C. RIGHT OF WAY TO BE USED/CLOSED:		SQ FT OF NON-PAVEMENT* EXCAVATIONS: <u>161.16 Sq Ft</u>	
STREET NAME 1: <u>S Stull Ave</u>		*DIRT, GRASS, GRAVEL, LANDSCAPE AREA OR OTHER UNPAVED SURFACE	
1ST INTERSECTING STREET NAME: _____		LINEAL FT OF BORE*: <u>7,675 Lineal Ft</u>	
2ND INTERSECTING STREET NAME: _____		*BORE PITS SHALL BE CALCULATED AS SQ FT EXCAVATIONS	
<input type="checkbox"/> ROAD CLOSURE <input checked="" type="checkbox"/> LANE CLOSURE 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/>		# OF POLE INSTALLATIONS/REMOVAL: <u>N/A</u>	
<input checked="" type="checkbox"/> SIDEWALK* <input type="checkbox"/> BIKE LANE <input type="checkbox"/> OTHER		SQ FT OF SIDEWALK RECONSTRUCTION*: <u>N/A</u>	
TRANSIT STOP? <input type="checkbox"/> Y <input type="checkbox"/> N PARKING LANE(S)** <input type="checkbox"/> Y <input type="checkbox"/> N **NON-METERED		*CONCRETE OR ASPHALT SIDEWALK/PATH BEING IMPROVED/REPLACED	
START DATE: <u>July 8th</u> END DATE: _____ # OF DAYS*: <u>60</u>		SQ FT OF SIDEWALK NEW CONSTRUCTION*: <u>N/A</u>	
STREET NAME 2: _____		*CONCRETE OR ASPHALT SIDEWALK/PATH THAT IS NEW INFRASTRUCTURE	
1ST INTERSECTING STREET NAME: _____		#RESIDENTIAL DRIVEWAY INSTALLATION: <u>N/A</u>	
2ND INTERSECTING STREET NAME: _____		 <p>TO SUBMIT A LOCATE REQUEST 24 HRS A DAY, 7 DAYS A WEEK CALL 811 OR 800-382-5544 CALL 2 WORKING DAYS BEFORE YOU DIG. IT'S THE LAW.</p>	
<input type="checkbox"/> ROAD CLOSURE <input type="checkbox"/> LANE CLOSURE 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/>			
<input type="checkbox"/> SIDEWALK* <input type="checkbox"/> BIKE LANE <input type="checkbox"/> OTHER		H. INDEMNIFICATION AGREEMENT:	
TRANSIT STOP? <input type="checkbox"/> Y <input type="checkbox"/> N PARKING LANE(S)** <input type="checkbox"/> Y <input type="checkbox"/> N **NON-METERED		The petitioner/applicant hereby agrees to hold harmless, defend and to indemnify the City of Bloomington from or against all claims, action, damages and expenses, including but not limited to reasonable attorney's fees or any alleged injury and/or death to any person or damage to any property arising, or alleged to have arisen out of any act of commission or omission on the part of the petitioner/applicant, his/her heirs, successors, or assigns regardless of whether such acts are the direct or indirect result of the public right-of-way use pursuant to this permit grant.	
START DATE: _____ END DATE: _____ # OF DAYS*: _____		I AFFIRM, UNDER THE PENALTIES FOR PERJURY, THAT THE FOREGOING REPRESENTATIONS ARE TRUE.	
*SIDEWALK CLOSURES FOR A PERIOD OR PERIODS TOTALING 24HRS OR MORE SHALL INSTALL A WALKAROUND UNLESS OTHERWISE APPROVED DURING REVIEW		PRINT NAME: <u>Bret Simons</u>	
STANDARD CLOSURE HOURS MON-FRI*: 9:00 AM - 3:00 PM & 6:00 PM - 9:00 PM		SIGNATURE: <u>Bret Simons</u>	
STANDARD CLOSURE HOURS <input checked="" type="checkbox"/> *NON-STANDARD CLOSURE HOURS <input type="checkbox"/>		DATE: <u>4/30/2024</u>	
REQUESTED CLOSURE HOURS: _____ AM - _____ PM			
*non-standard hours may not be allowed near schools, on arterials, or other circumstances and are subject to approval during the permitting process			
BMC 14.09.040 allows work from 6 AM to 10 PM without violating the noise ordinance (7AM to 9PM for pneumatic hammers)			

For Administration Use Only (applicable to CLOSURE approval)

Approved By: _____ BPW City Engineer Director Date: _____

Staff Representative: _____ Phone#: _____ Date: _____

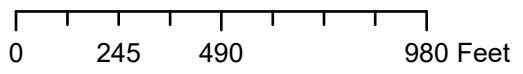


Esri, HERE, Garmin, INCREMENT P, NGA, USGS



Legend BLN01b-F18_W Smith Ave

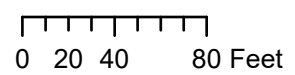
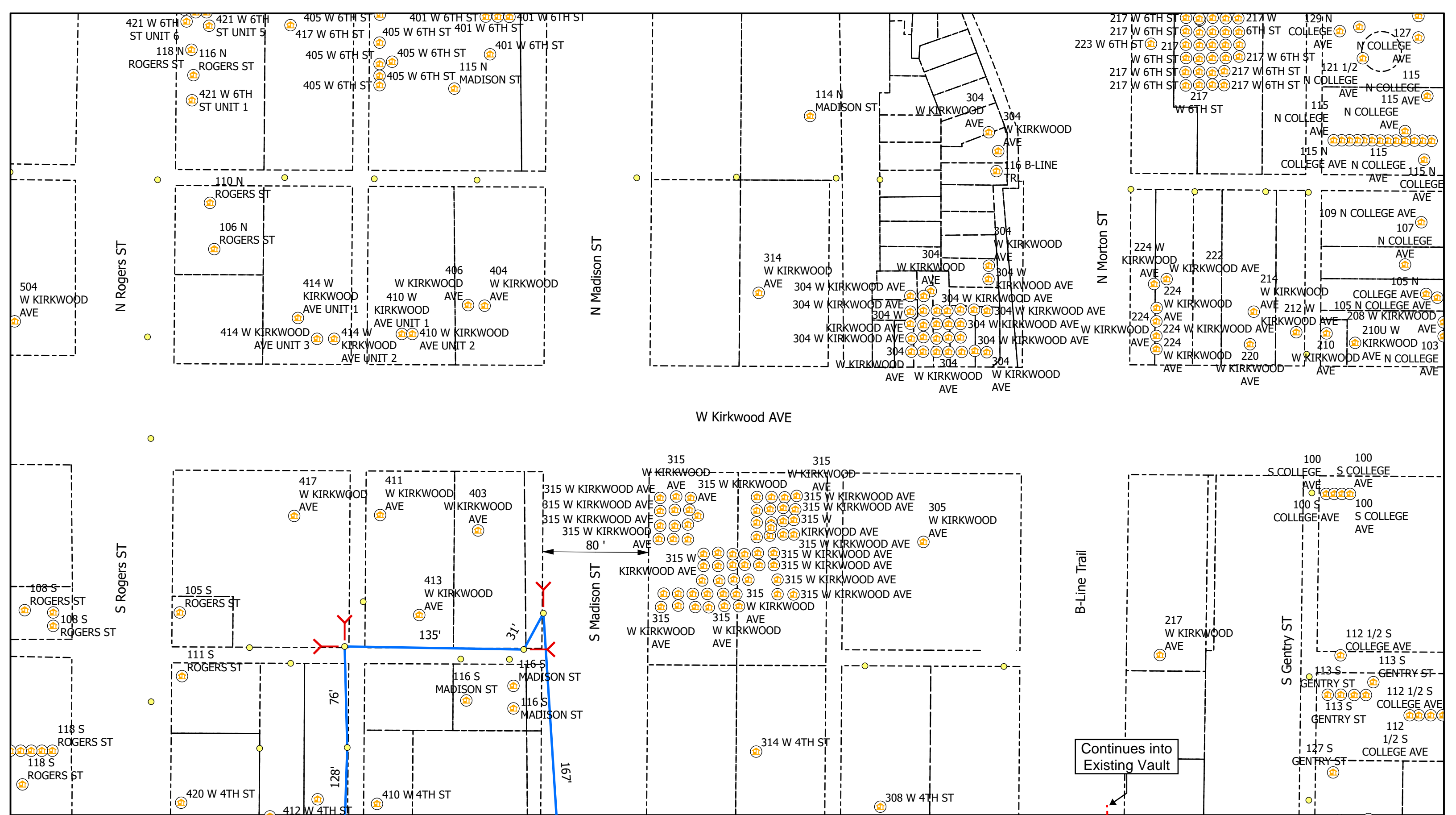
- Proposed Aerial
- - - Conduit
- Grids



City of Bloomington, IN Permit:
Design View

INI	BY	DATE	DESCRIPTION





Legend

- Poles
- V Vaults
- Overhead Strand
- - - Conduit
- Ⓜ Risers
- Ⓜ Address
- Y Anchor
- ↖ Sidewalk
- Bloomington_Parcels
- Grids

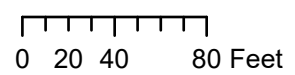
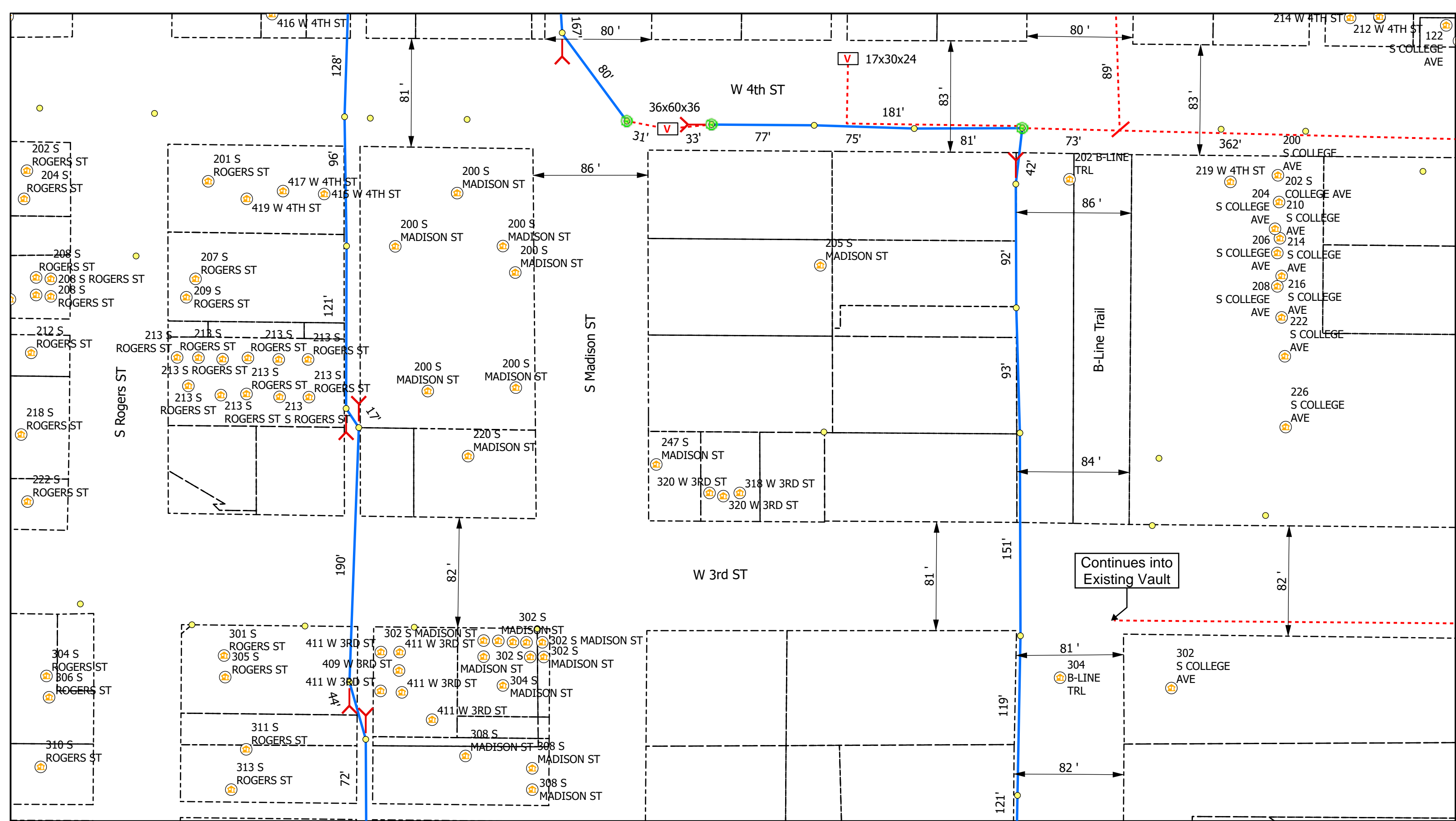
All Flowerpots 12" DIA



City of Bloomington, IN Permit:
Design View

INI	BY	DATE	DESCRIPTION





Legend

- Poles
- V Vaults
- Overhead Strand
- Conduit
- ⊕ Risers
- ⊕ Address
- Y Anchor
- ↖ Sidewalk
- Bloomington_Parcels
- Grids

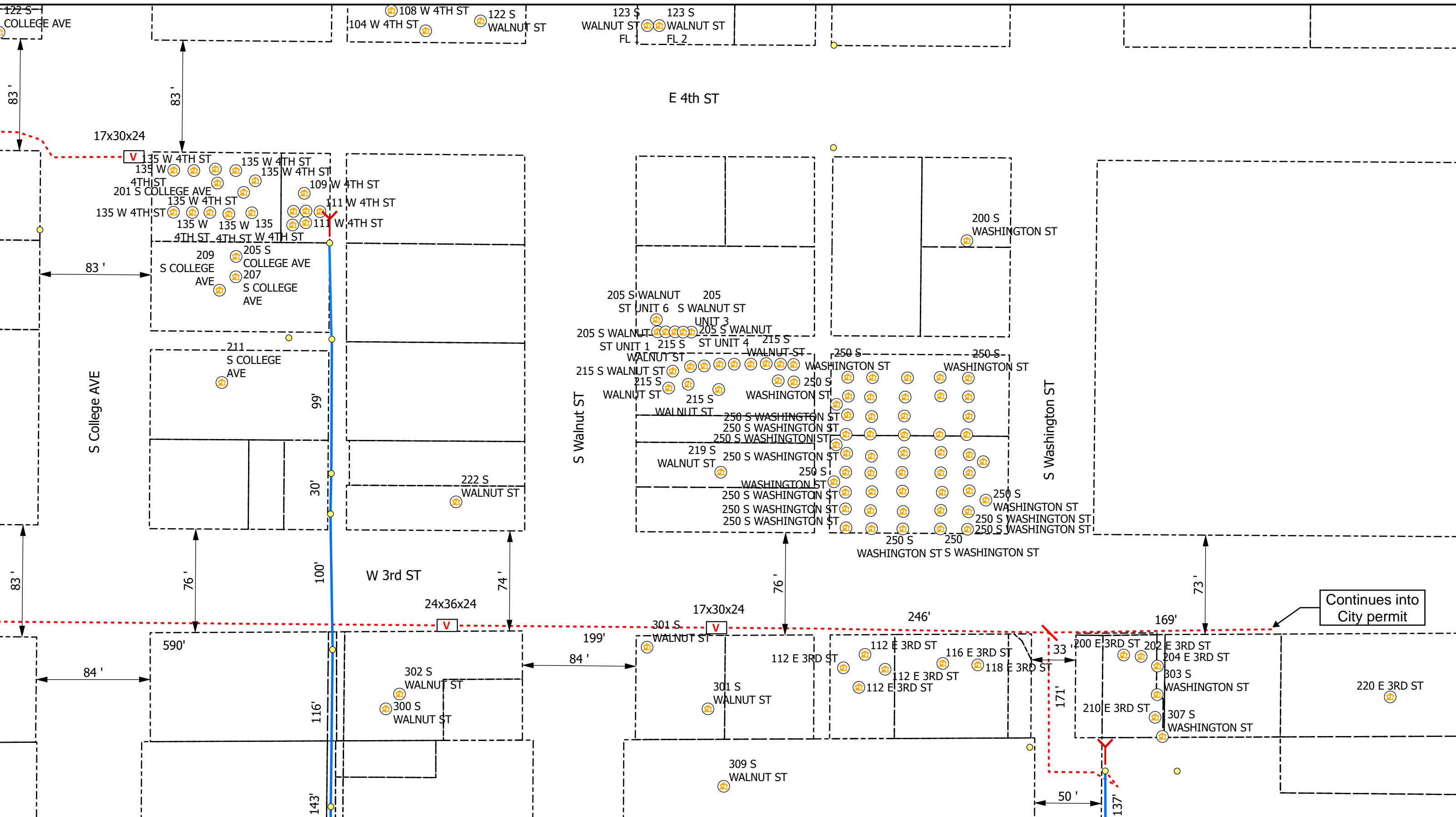
All Flowerpots 12" DIA



City of Bloomington, IN Permit:
Design View

INI	BY	DATE	DESCRIPTION

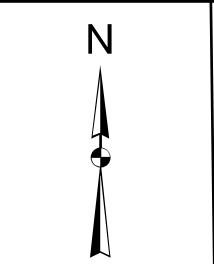




Legend

- Poles
- Vaults
- Overhead Strand
- Conduit
- Risers
- Address
- Anchor
- Sidewalk
- Bloomington_Parcels
- Grids

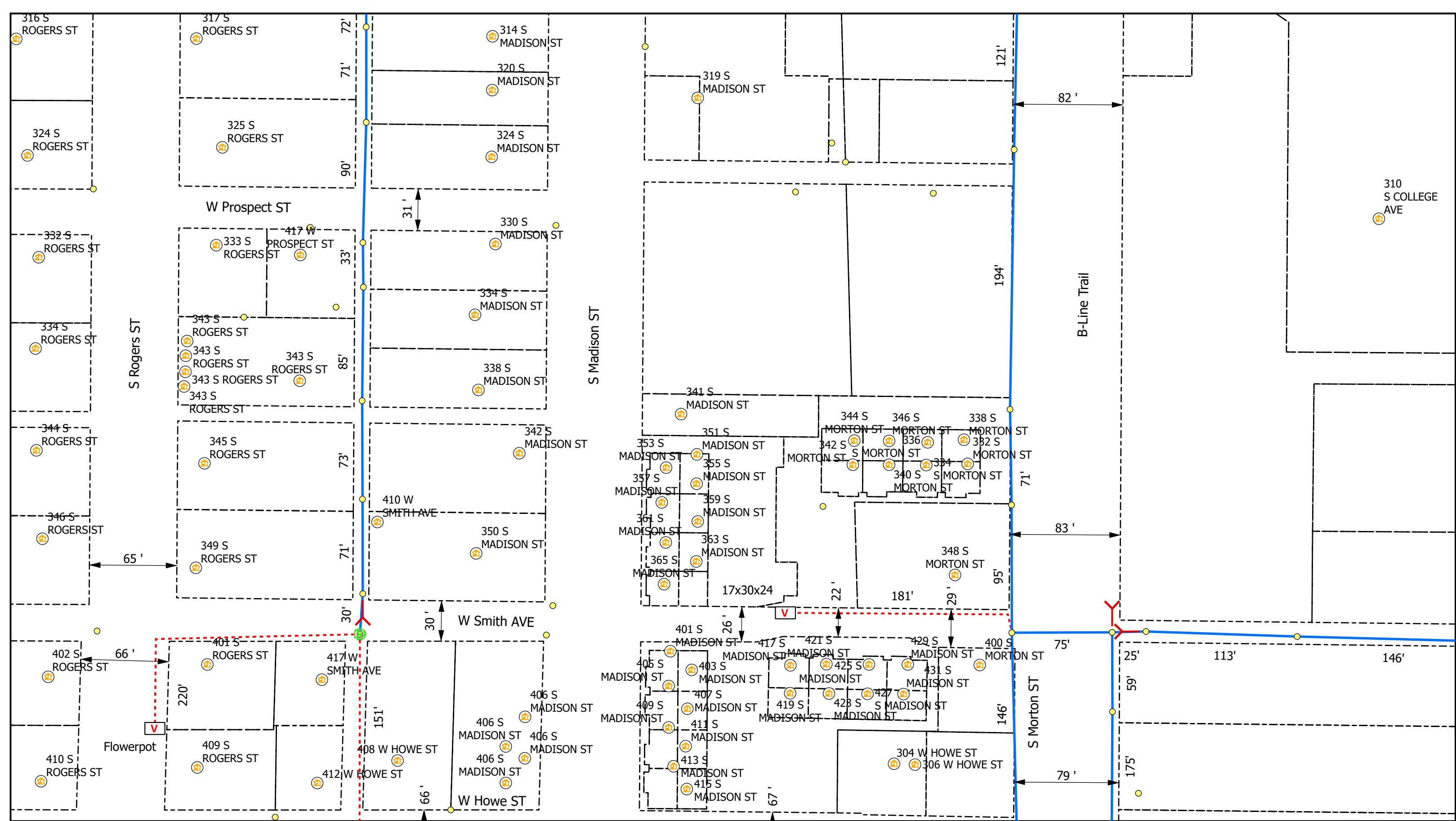
All Flowerpots 12" DIA



City of Bloomington, IN Permit:
Design View

INI	BY	DATE	DESCRIPTION

Print 4 of 9



Legend

- Poles
- ⊕ Risers
- ⏏ Sidewalk
- V Vaults
- 🏠 Address
- Bloomington_Parcels
- Overhead Strand
- Conduit
- Y Anchor
- Grids

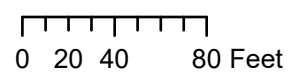
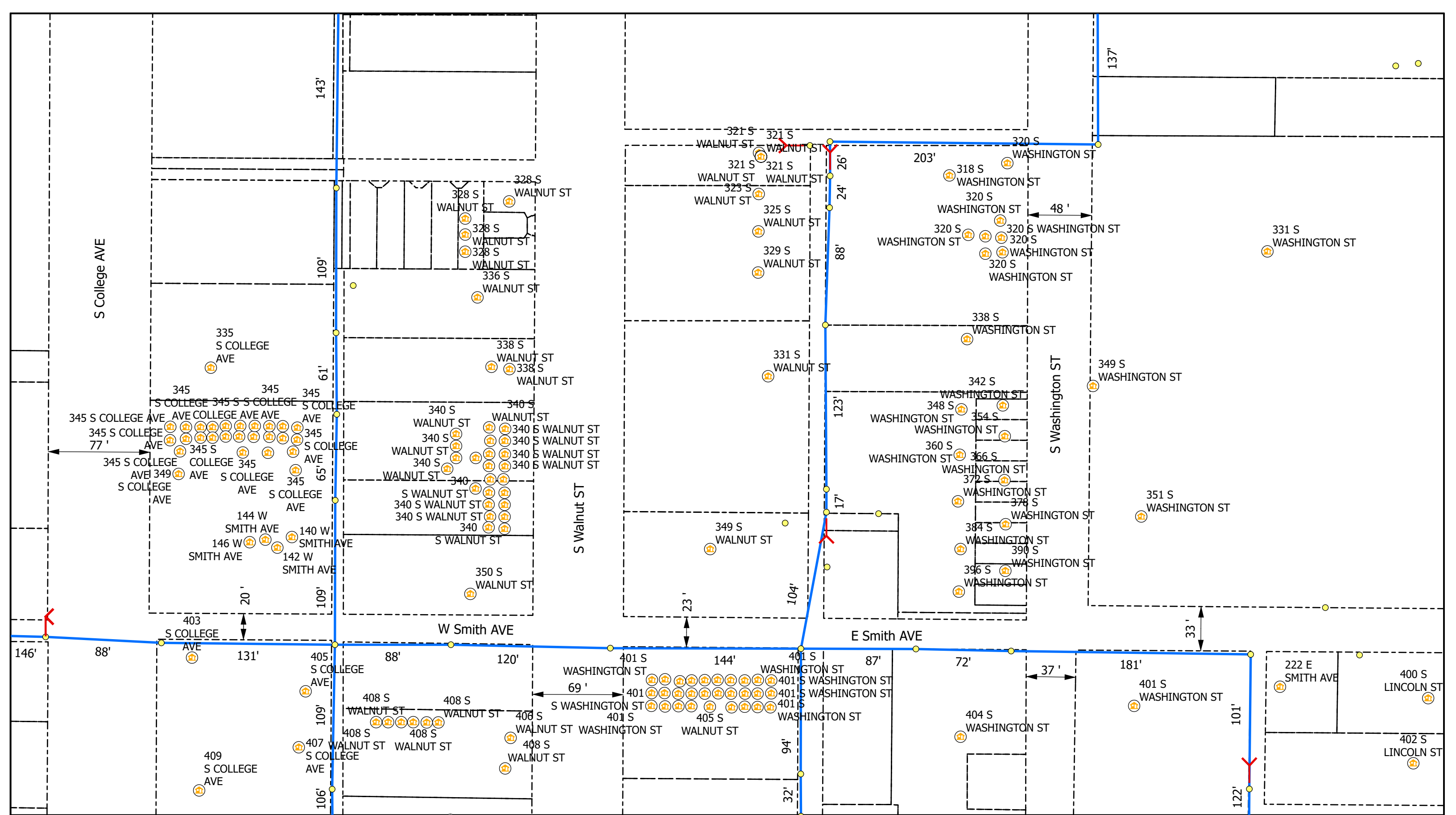
All Flowerpots 12" DIA



City of Bloomington, IN Permit:
Design View

INI	BY	DATE	DESCRIPTION





Legend

- Poles
- V Vaults
- Overhead Strand
- Conduit
- Ⓡ Risers
- 🏠 Address
- Y Anchor
- ↖ Sidewalk
- Bloomington_Parcels
- Grids

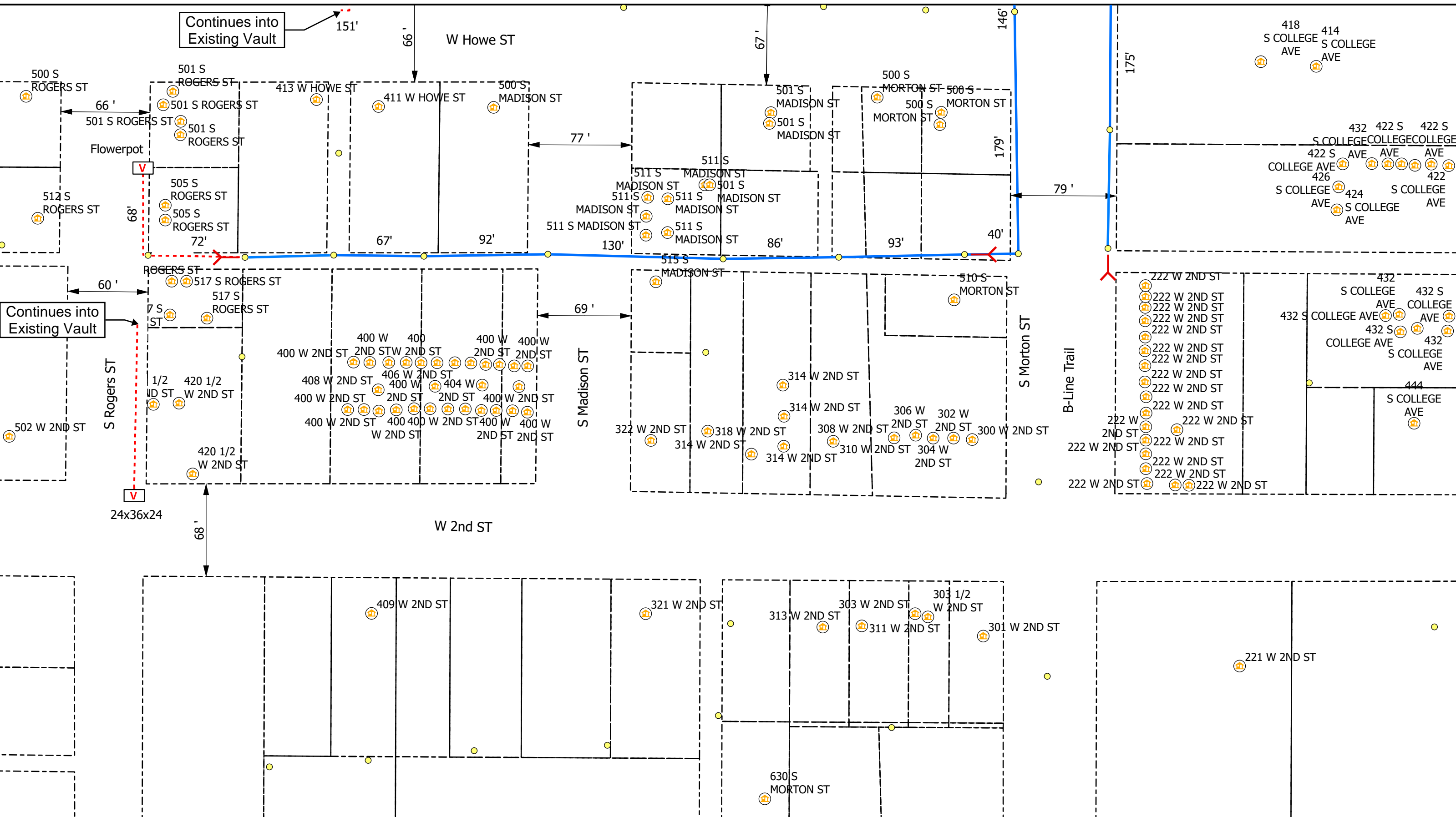
All Flowerpots 12" DIA



City of Bloomington, IN Permit:
Design View

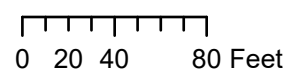
INI	BY	DATE	DESCRIPTION





Continues into Existing Vault

Continues into Existing Vault



Legend

- Poles
- Ⓡ Risers
- Ⓜ Sidewalk
- V Vaults
- Overhead Strand
- - - Conduit
- 🏠 Address
- Y Anchor
- Bloomington_Parcels
- Grids

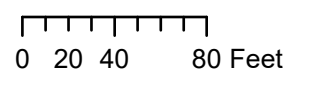
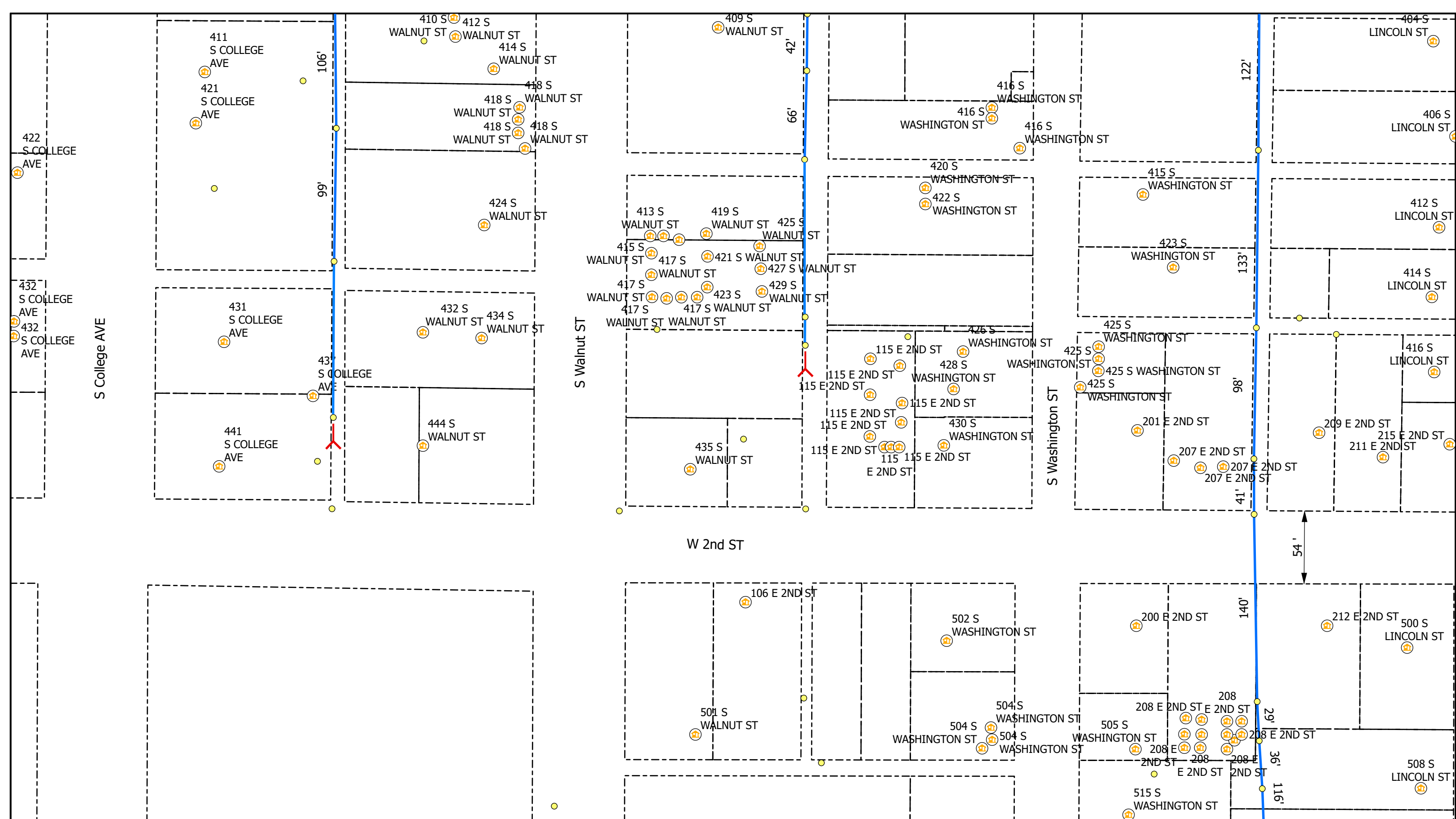
All Flowerpots 12" DIA



City of Bloomington, IN Permit:
Design View

INI	BY	DATE	DESCRIPTION





Legend

- Poles
- Risers
- V Vaults
- 🏠 Address
- Overhead Strand
- Conduit
- ↖ Sidewalk
- Y Anchor
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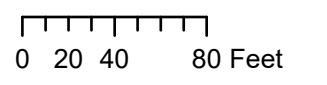
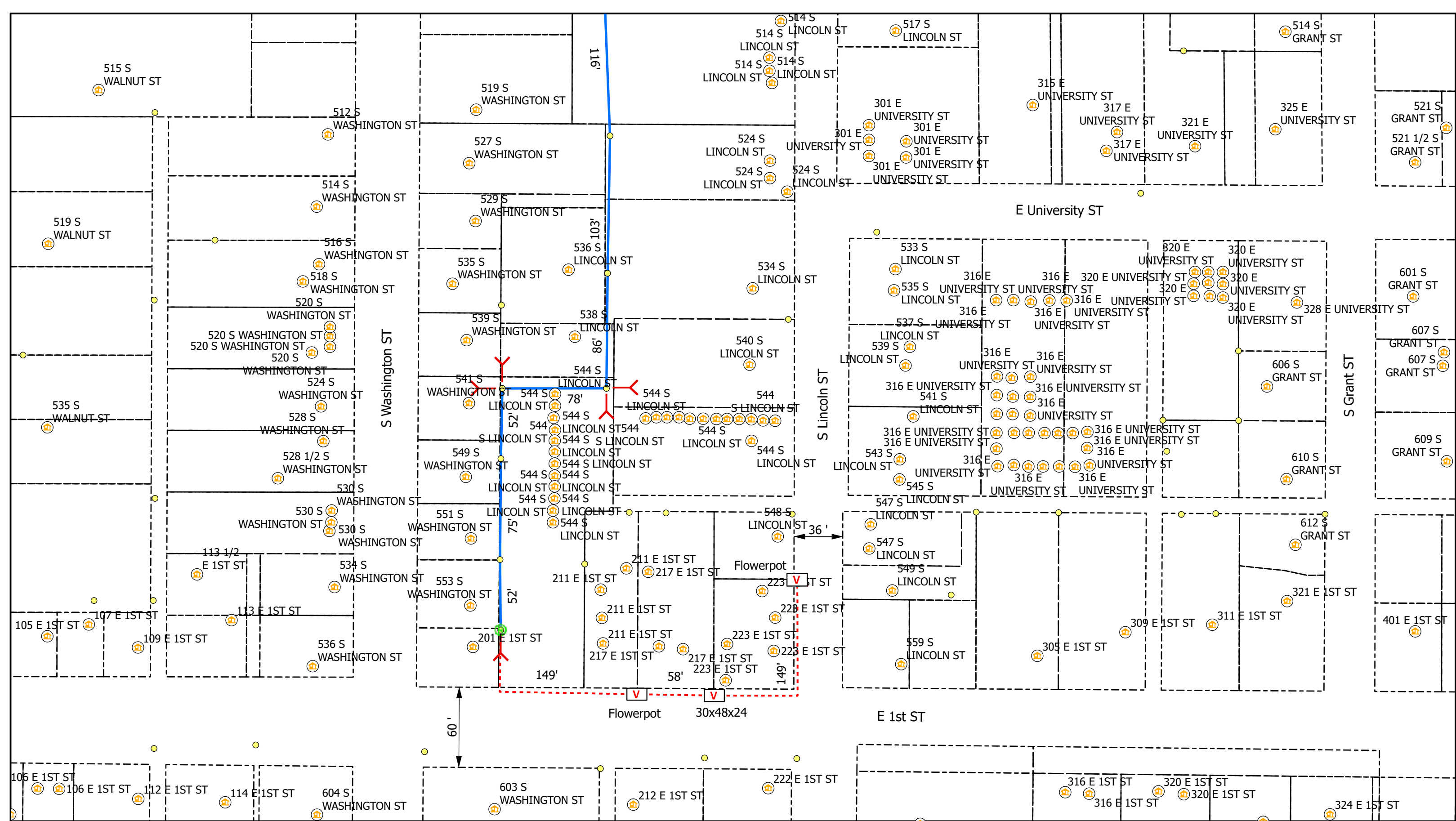
All Flowerpots 12" DIA



City of Bloomington, IN Permit:
Design View

INI	BY	DATE	DESCRIPTION





Legend

- Poles
- V Vaults
- Overhead Strand
- Conduit
- Ⓡ Risers
- Ⓜ Address
- Y Anchor
- ↖ Sidewalk
- Bloomington_Parcels
- Grids

All Flowerpots 12" DIA



City of Bloomington, IN Permit:
Design View

INI	BY	DATE	DESCRIPTION



Carlton® PV-Mold® Nonmetallic Pole Riser System

Carlton PV-Mold is a nonmetallic pole riser system designed to protect communications power cable installed on poles.

Features:

- Meets or exceeds requirements outlined in the National Electric Safety Code (NESC).
- Designed in accordance with NEMA TC-19 specifications.
- Ultraviolet, cold temperature and corrosive atmosphere resistant.
- Schedule 40 wall meets Schedule 80 PVC conduit impact requirements per NEMA TC-19.
- No grounding required.
- Belled end fits over each added section or conduit.
- Flame retardant.
- Requires no maintenance.
- PV-Mold acts as an insulator against electrical shock.
- Interchangeable parts and accessories to match the needs of specific requirements.

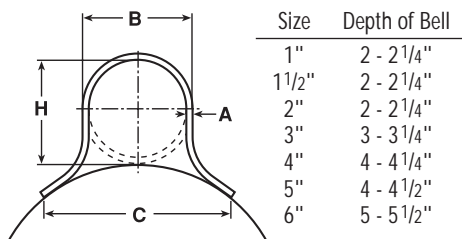


Steel U-Guard requires grounding strapping and does not have belled ends.



PV-Mold has belled ends, flanged design and does not require grounding.

Flanged Overall Length 10 Feet, Including Bell

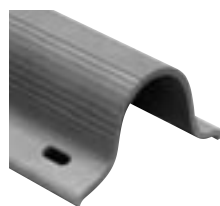


Slots are 1/2" from side to side, and allow for expansion and contraction.

Slot Dimensions: for sizes 2" through 6" are 5/16" wide, 3/4" long.

Slot Dimensions: for 1" and 1 1/2" are 3/16" wide, 3/4" long.

Slot Spacing: 18" from center, beginning 6" from end.



Standard Duty

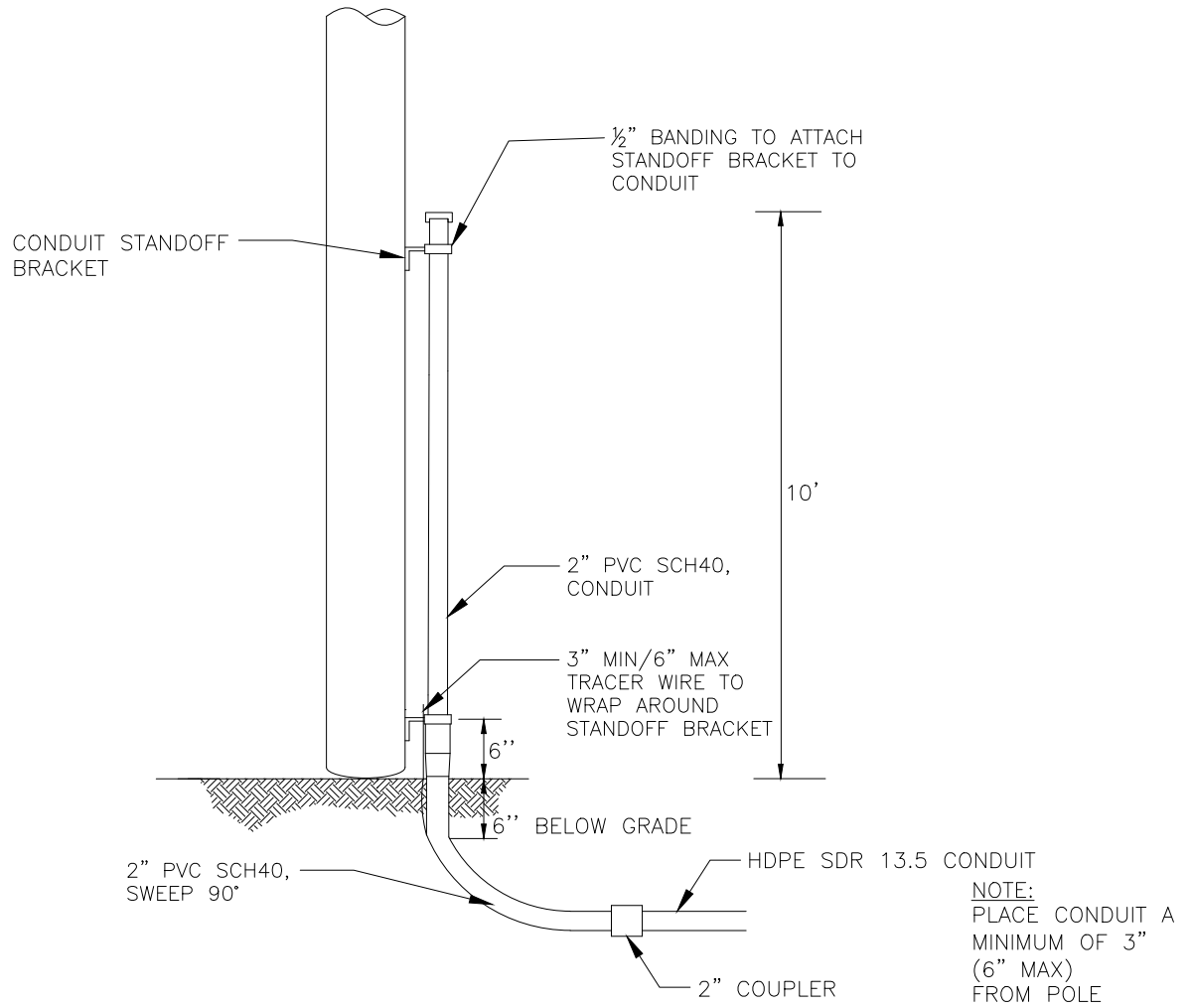
Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Dimensions				Actual Impact @ 0°C 20 Pound Top
				A	B	C	H	
59208N	1"	294	1059	0.100"	1 5/8"	2 3/8"	1 5/8"	40 Ft.-Lbs.
59211N	2"	136	726	0.100"	2 3/8"	4 1/2"	2 3/8"	100 Ft.-Lbs.
59211X (5' length)	2"	136	363	0.100"	2 3/8"	4 1/2"	2 3/8"	100 Ft.-Lbs.
59213N	3"	66	761	0.150"	3 1/2"	6"	3 1/2"	110 Ft.-Lbs.
59213X (5' length)	3"	66	381	0.150"	3 1/2"	6"	3 1/2"	100 Ft.-Lbs.
59215N	4"	65	910	0.150"	4 1/2"	6 1/2"	4 1/2"	110 Ft.-Lbs.
59216N	5"	30	515	0.150"	5 1/2"	7 1/2"	5 1/2"	110 Ft.-Lbs.

Heavy Duty Schedule 40

59010N	1 1/2"	200	1142	0.145"	1 29/32"	3 1/2"	1 29/32"	100 Ft.-Lbs.
59011N	2"	136	1214	0.154"	2 3/8"	4 1/2"	2 3/8"	150 Ft.-Lbs.
59013N	3"	66	937	0.216"	3 1/2"	6"	3 9/32"	150 Ft.-Lbs.
59015N	4"	65	1621	0.237"	4 1/2"	6 1/2"	4 1/2"	260 Ft.-Lbs.
59015X (5' length)	4"	65	707	0.237"	4 1/2"	6 1/2"	4 1/2"	260 Ft.-Lbs.
59016N	5"	30	870	0.258"	5 1/2"	7 1/2"	5 1/2"	260 Ft.-Lbs.
59017N	6"	30	1160	0.280"	6 5/8"	8 3/4"	6 5/8"	260 Ft.-Lbs.

Extra Heavy Duty Schedule 80

59411N	2"	136	1549	0.218"	2 3/8"	4 1/2"	2 3/8"	300 Ft.-Lbs.
59413N	3"	66	1495	0.030"	3 1/2"	6"	3 1/2"	525 Ft.-Lbs.



DESCRIPTION

QTY

MANUFACTURER
(PREFERRED)

PART #

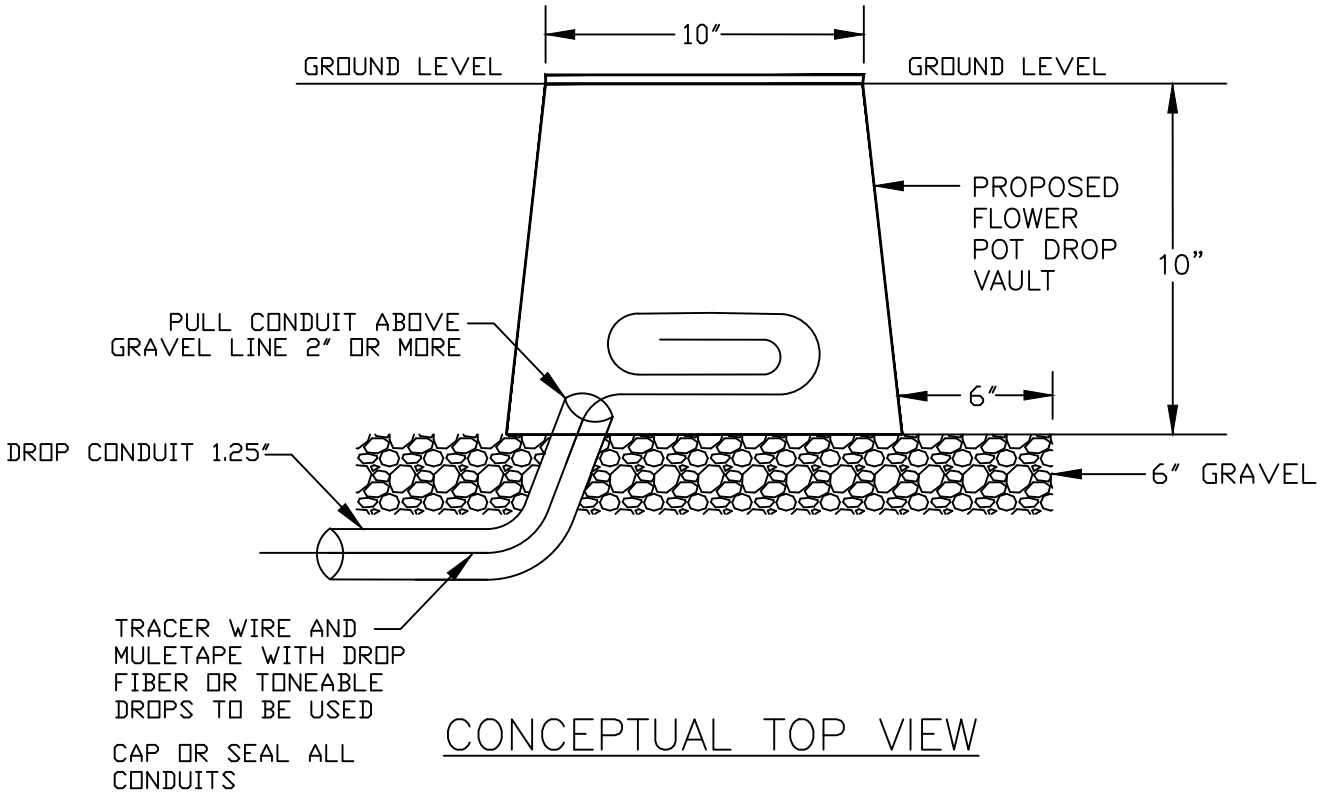
SCREW, LAG, 1/2" x 4-1/2"	10		
HDPE SDR 13.5 CONDUIT, VARIOUS SIZES	N/A		
2" PVC SCH40, RISER PIPE	1		
#12 TRACER WIRE	N/A		
2" PVC SCH40, SWEEP, 90 DEG	1		
CONDUIT STANDOFF BRACKET	VARIES		
CONDUIT STRAP KIT	VARIES		
2" COUPLER	1		



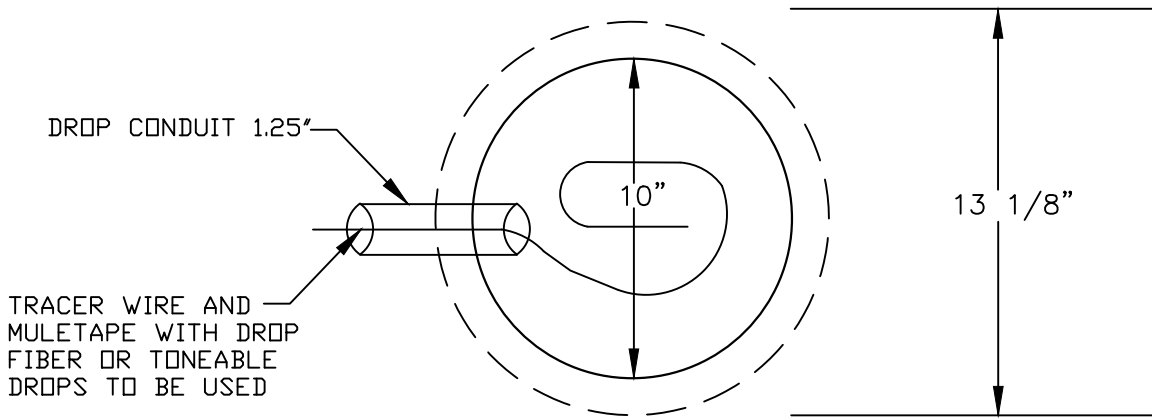
TYPICAL RISER
CONDUIT
WOOD POLE

(R2-W)

CONCEPTUAL SIDE VIEW



CONCEPTUAL TOP VIEW

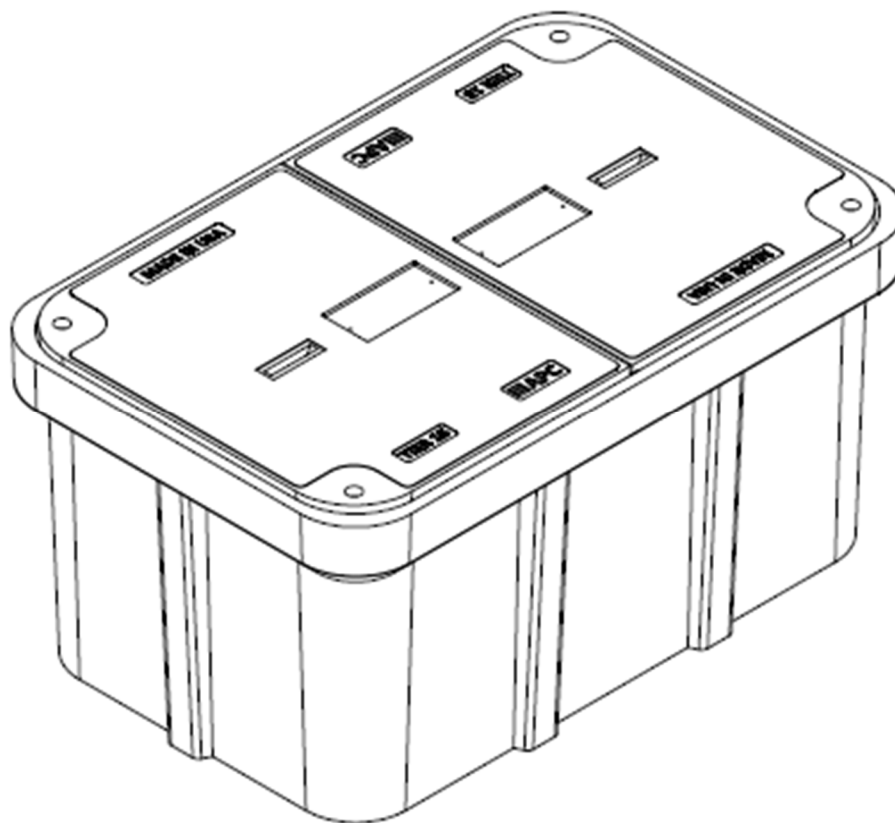


FLOWER POT

30"x48" PC UNIT, 2PC TIER 15/22
 18", 24", and 36" HEIGHT



AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit – TIER 15	30"x48"x18"	Tier 15	P304818HU15...	460 lbs.
PC Unit – TIER 22	30"x48"x18"	Tier 22	P304818HU22...	525 lbs.
PC Unit – TIER 15	30"x48"x24"	Tier 15	P304824HU15...	510 lbs.
PC Unit – TIER 22	30"x48"x24"	Tier 22	P304824HU22...	575 lbs.
PC Unit – TIER 15	30"x48"x36"	Tier 15	P304836HU15...	615 lbs.
PC Unit – TIER 22	30"x48"x36"	Tier 22	P304836HU22...	680 lbs.

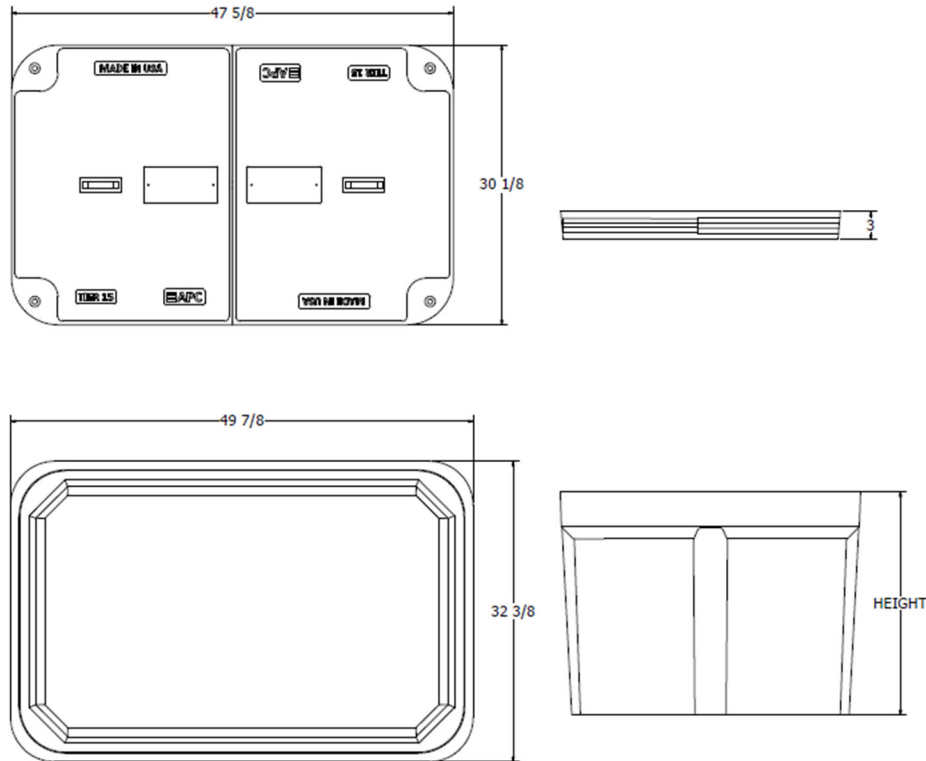


30"x48" PC UNIT, 2PC TIER 15/22

18", 24", and 36" HEIGHT



AMERICAN POLYMER COMPANY



Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	30"x48"x18"	Tier 22	P304818B22	185 lbs.
Replacement Box	30"x48"x24"	Tier 22	P304824B22	235 lbs.
Replacement Box	30"x48"x36"	Tier 22	P304836B22	340 lbs.
Replacement Lids - T15	30"x48" (half)	Tier 15	Various	150 lbs.
Replacement Lids - T22	30"x48" (half)	Tier 22	Various	170 lbs.

Bolt options



Machine Thread



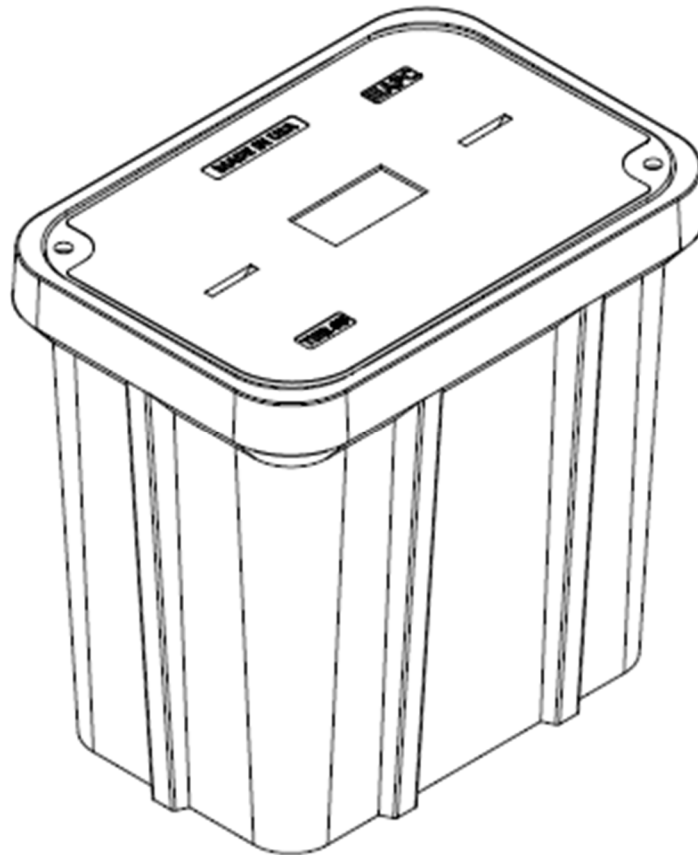
Auger Thread



24"x36" PC UNIT, TIER 15/22
 18", 24", 30", and 36" HEIGHT



AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit – TIER 15	24x36"x18"	Tier 15	P243618U15...	335 lbs.
PC Unit – TIER 22	24x36"x18"	Tier 22	P243618U22...	355 lbs.
PC Unit – TIER 15	24x36"x24"	Tier 15	P243624U15...	365 lbs.
PC Unit – TIER 22	24x36"x24"	Tier 22	P243624U22...	385 lbs.
PC Unit – TIER 15	24x36"x30"	Tier 15	P243630U15...	395 lbs.
PC Unit – TIER 22	24x36"x30"	Tier 22	P243630U22...	415 lbs.
PC Unit – TIER 15	24x36"x36"	Tier 15	P243636U15...	425 lbs.
PC Unit – TIER 22	24x36"x36"	Tier 22	P243636U22...	445 lbs.

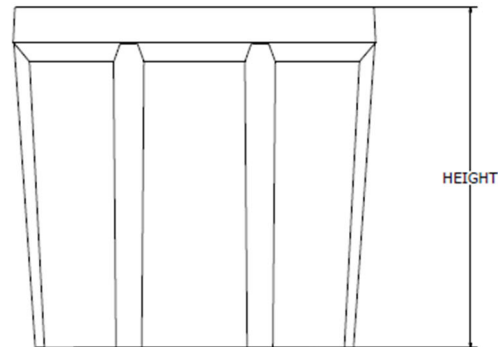
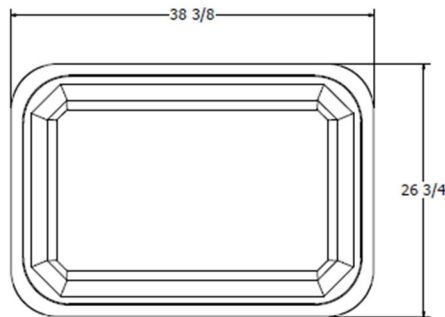
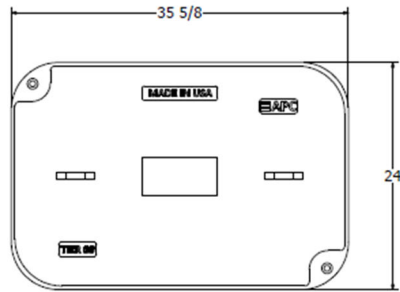


24"x36" PC UNIT, TIER 15/22

18", 24", 30", and 36" HEIGHT



AMERICAN POLYMER COMPANY



Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	24"x36"x18"	Tier 22	P243618B22	165 lbs.
Replacement Box	24"x36"x24"	Tier 22	P243624B22	195 lbs.
Replacement Box	24"x36"x30"	Tier 22	P243630B22	225 lbs.
Replacement Box	24"x36"x36"	Tier 22	P243636B22	255 lbs.
Replacement Lids - T15	24"x36"	Tier 15	Various	170 lbs.
Replacement Lids - T22	24"x36"	Tier 22	Various	190 lbs.

Bolt options

Hex Head



Machine Thread



Penta Head



Auger Thread

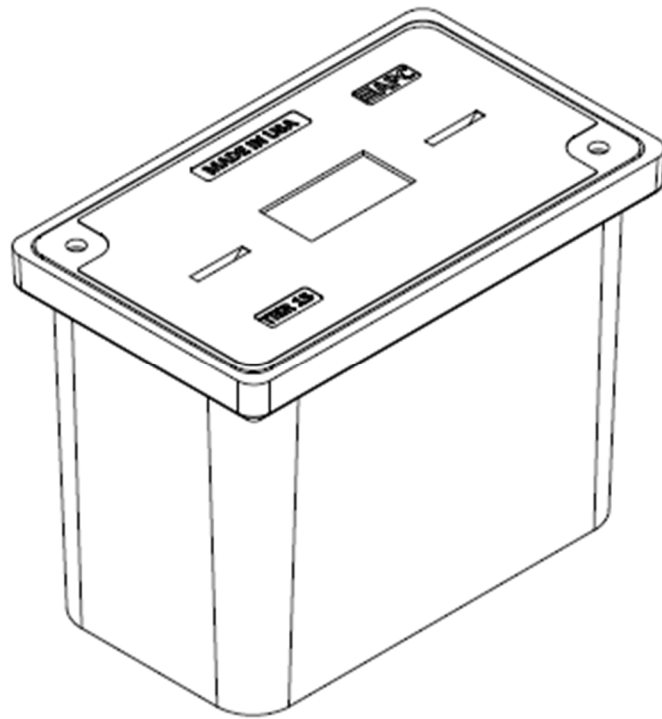


17"x30" PC UNIT, TIER 15/22

12", 18", 24", and 30" HEIGHT



AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit – TIER 15	17"x30"x12"	Tier 15	P173012U15...	138 lbs.
PC Unit – TIER 22	17"x30"x12"	Tier 22	P173012U22...	147 lbs.
PC Unit – TIER 15	17"x30"x18"	Tier 15	P173018U15...	172 lbs.
PC Unit – TIER 22	17"x30"x18"	Tier 22	P173018U22...	181 lbs.
PC Unit – TIER 15	17"x30"x24"	Tier 15	P173024U15...	192 lbs.
PC Unit – TIER 22	17"x30"x24"	Tier 22	P173024U22...	201 lbs.
PC Unit – TIER 15	17"x30"x30"	Tier 15	P173030U15...	217 lbs.
PC Unit – TIER 22	17"x30"x30"	Tier 22	P173030U22...	226 lbs.

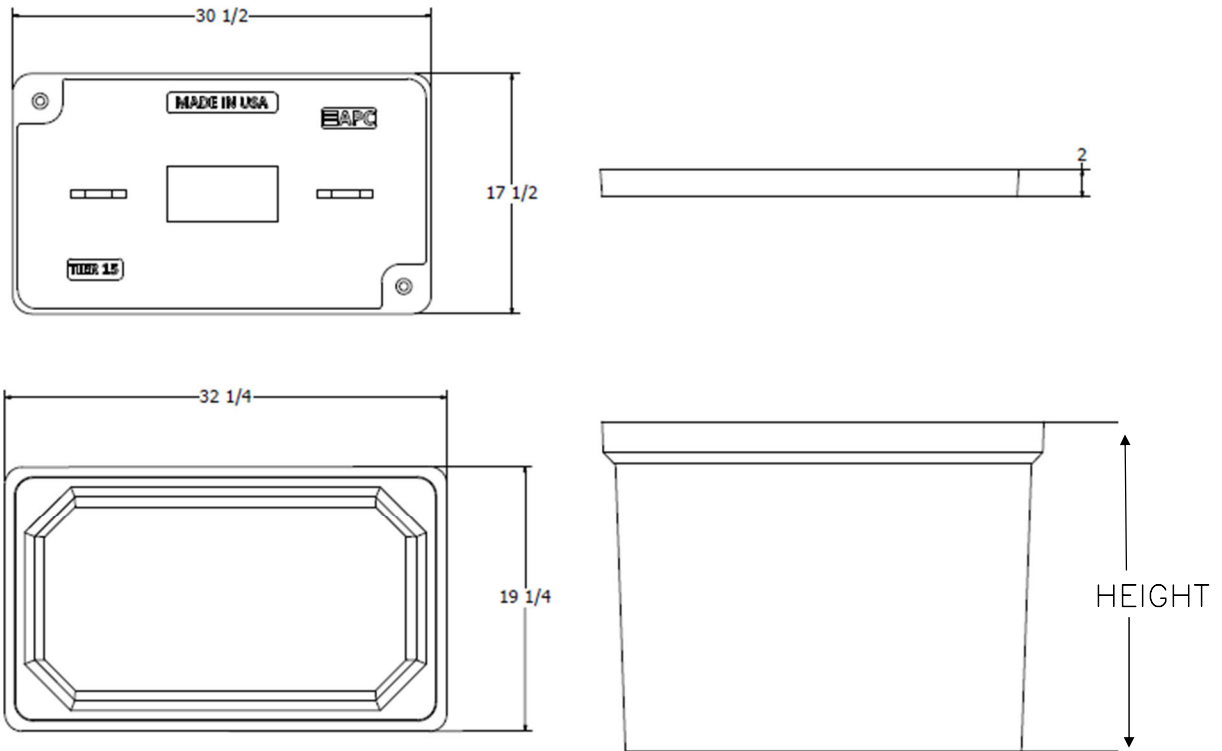


17"x30" PC UNIT, TIER 15/22

12", 18", 24", and 30" HEIGHT



AMERICAN POLYMER COMPANY



Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	17"x30"x12"	Tier 22	P173012B22	66 lbs.
Replacement Box	17"x30"x18"	Tier 22	P173018B22	100 lbs.
Replacement Box	17"x30"x24"	Tier 22	P173024B22	120 lbs.
Replacement Box	17"x30"x30"	Tier 22	P173030B22	145 lbs.
Replacement Lids – T15	17"x30"	Tier 15	Various	72 lbs.
Replacement Lids – T22	17"x30"	Tier 22	Various	81 lbs.

Bolt options



Machine Thread



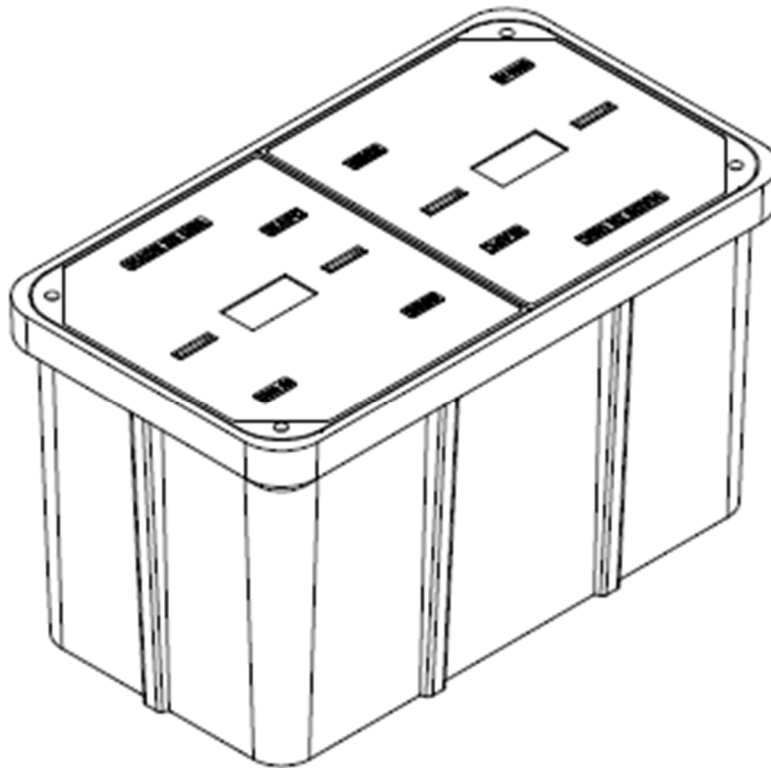
Auger Thread



33"x60" PC UNIT, 2PC TIER 15/22
36" HEIGHT



AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit - TIER 15	33"x60"x36"	Tier 15	P336036U15...	930 lbs.
PC Unit - TIER 22	33"x60"x36"	Tier 22	P336036U22...	1030 lbs.

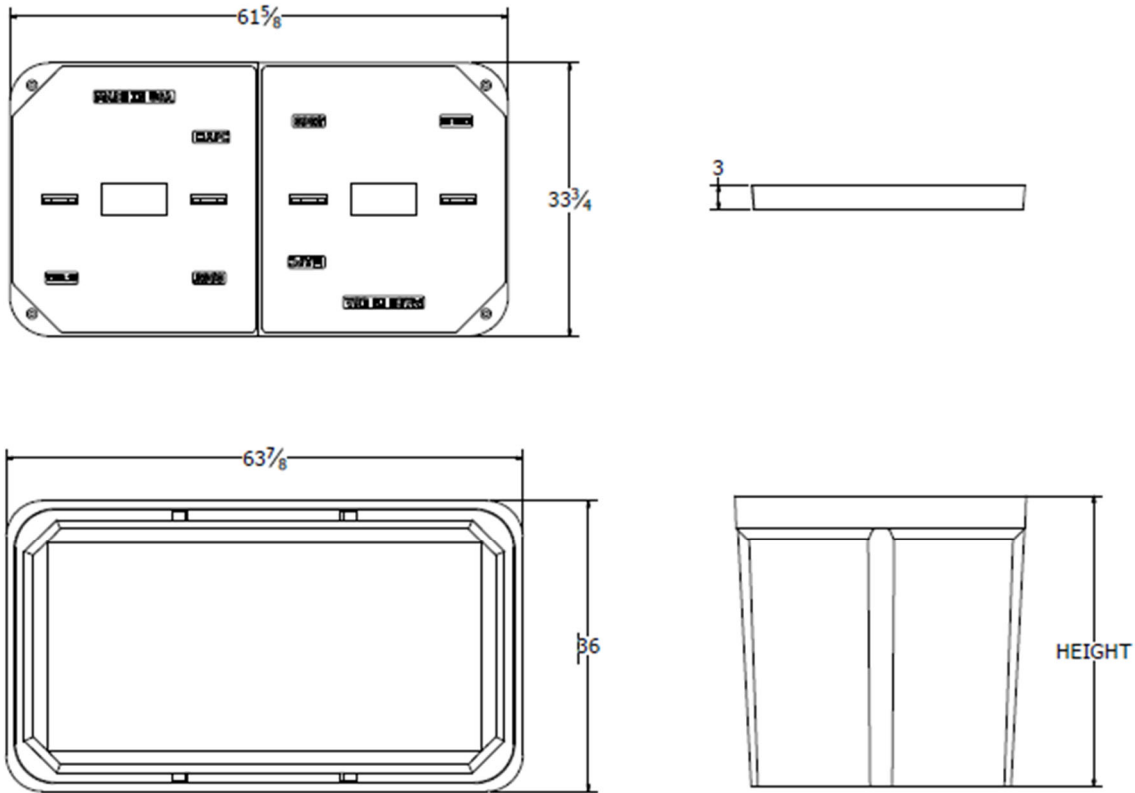


33"x60" PC UNIT, 2PC TIER 15/22

36" HEIGHT



AMERICAN POLYMER COMPANY



Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	33"x60"x36"	Tier 22	P336036B22	530 lbs.
Replacement Lids - T15	33"x60" (half)	Tier 15	Various	200 lbs.
Replacement Lids - T22	33"x60" (half)	Tier 22	Various	250 lbs.

Bolt options

Hex Head



Machine Thread



Penta Head



Auger Thread



Speed (MPH) Prior To Road Work	SIGN SPACING, FT.		Must be Approved by an Engineer				
	Non-Divided Highways	Divided Highways	BUFFER SPACE, FT.	TAPER LENGTH, FT.	CHANNELIZING SPACING, FT.		
	Length	Shoulder (10 ft. Wide)	Lane (12 ft. Wide)	Through Taper	Through Buffer/Work Area		
0-35	200	200	250	70	245	35	50
40-45	350	500	360	150	540	40	80
50-55	500	1000	495	185	660	50	100
60-70	SA-1000, SB-1500, SC-2640 Urban Low Speed - 100 FT		730	235	840	60	120

APPROVED/ACCEPTED BY:
ENGINEER, OWNER, OR PRIME CONTRACTOR
 Check for Notice to Proceed.

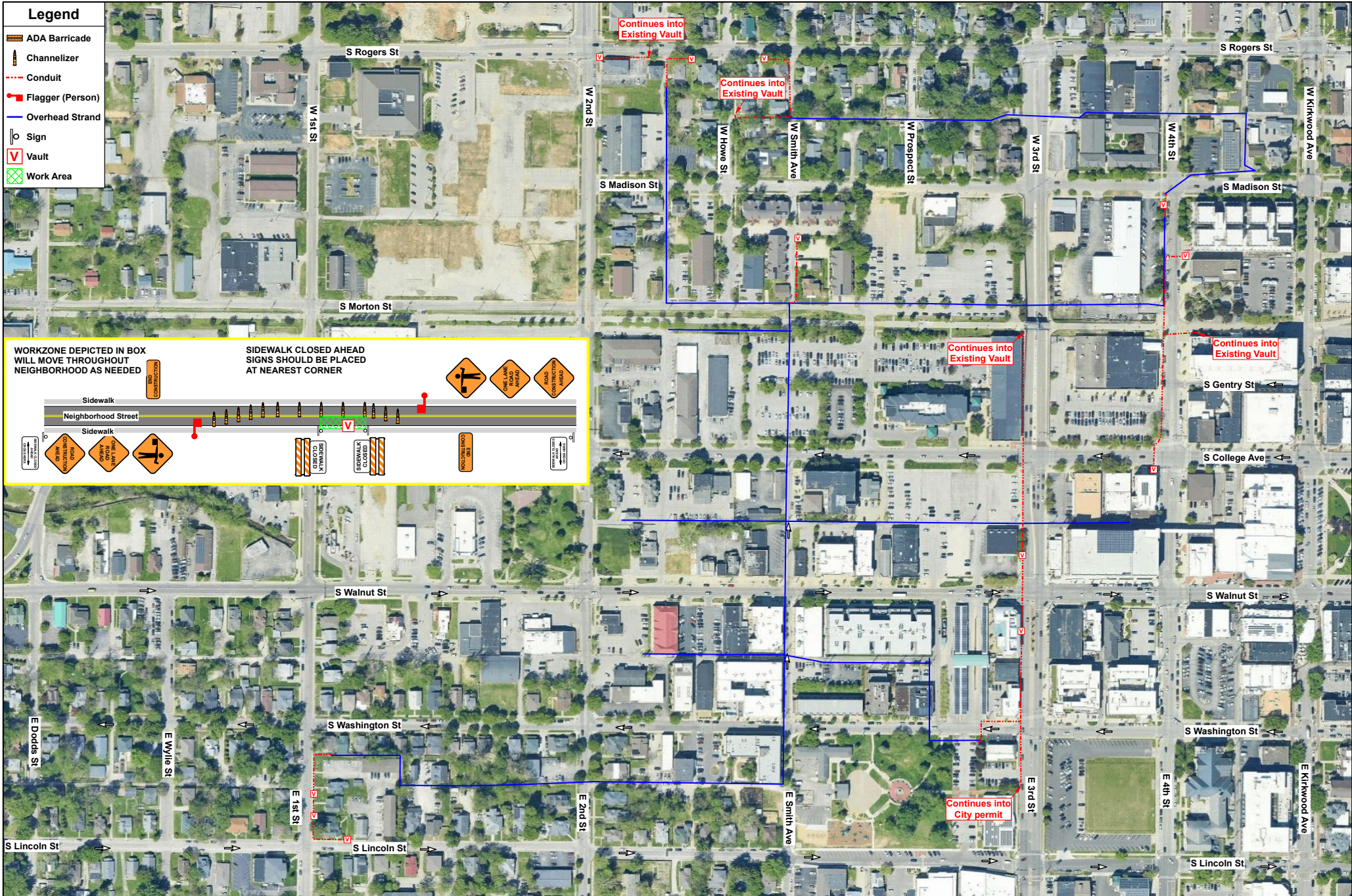
Signature: _____

Company: _____



Date: 3/20/2024 Project: BLN01b-F18 W Smith Ave TCP1 :
Traffic Control Suggestion For: ATLANTIC ENGINEERING (AEG) :
By: Road Runner Safety Services, Inc. : Nathan

Comments:
Drawing not to scale. Traffic control plan must be approved by an engineer. This is a suggestion only. Road Runners Safety Services, Inc. has no liability for this suggested traffic control plan. Actual placement and spacing of all traffic control devices will depend on field conditions and must conform to MUTCD standards.



WORKZONE DEPICTED IN BOX WILL MOVE THROUGHOUT NEIGHBORHOOD AS NEEDED

SIDEWALK CLOSED AHEAD SIGNS SHOULD BE PLACED AT NEAREST CORNER

Spacing Charts Based on MUTCD		Must be Approved by an Engineer					
Speed (MPH) Prior To Road Work	SIGN SPACING, FT.		BUFFER SPACE, FT.	TAPER LENGTH, FT.		CHANNELIZING SPACING, FT.	
	Non-Divided Highways	Divided Highways	Length	Shoulder (10 ft Width)	Lane (12 ft Width)	Through Taper	Through Buffer/Work Area
0-35	200	200	250	70	245	35	50
40-45	350	500	360	150	540	40	80
50-55	500	1000	495	185	660	50	100
60-70	SA-1000, SB-1500, SC-2640		730	235	840	60	120
Urban Low Speed - 100 FT							

APPROVED/ACCEPTED BY:
ENGINEER, OWNER, or PRIME CONTRACTOR

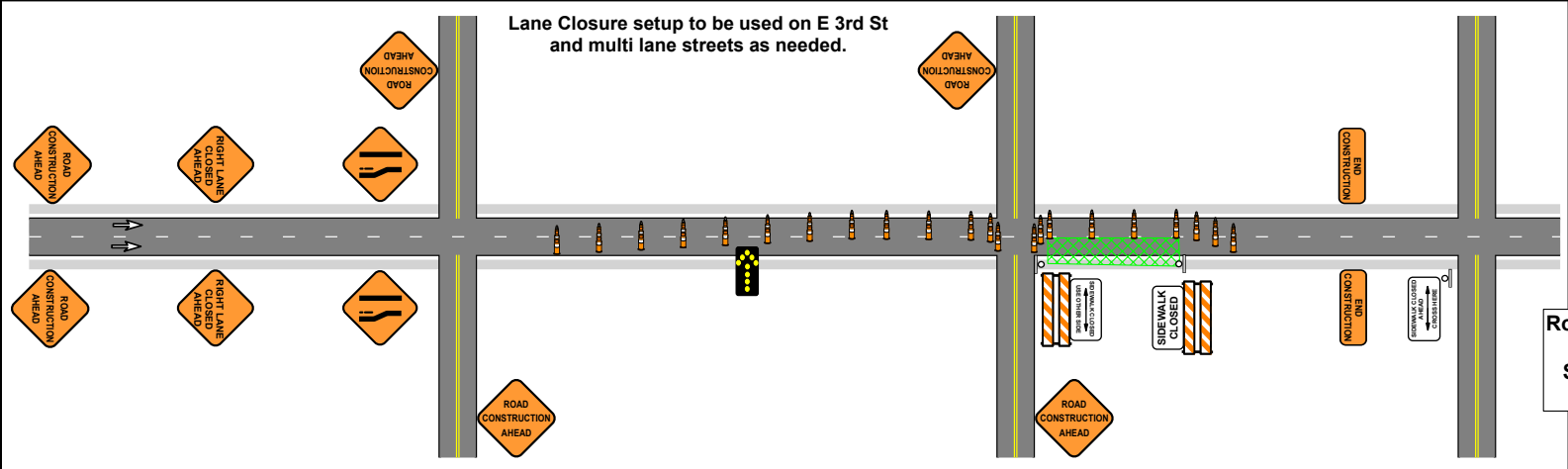
Check for Notice to Proceed.

Signature: _____

Company: _____

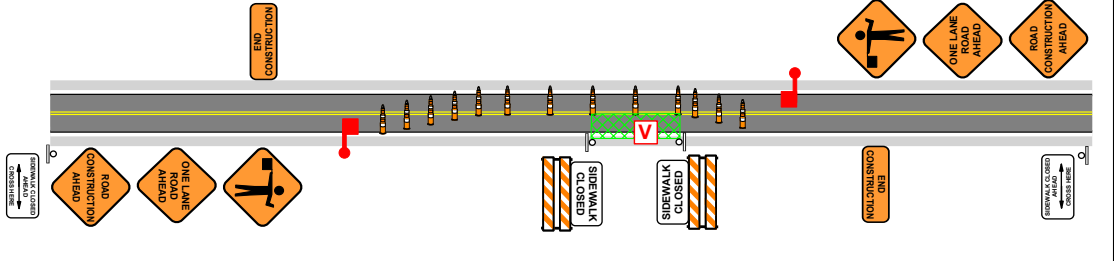
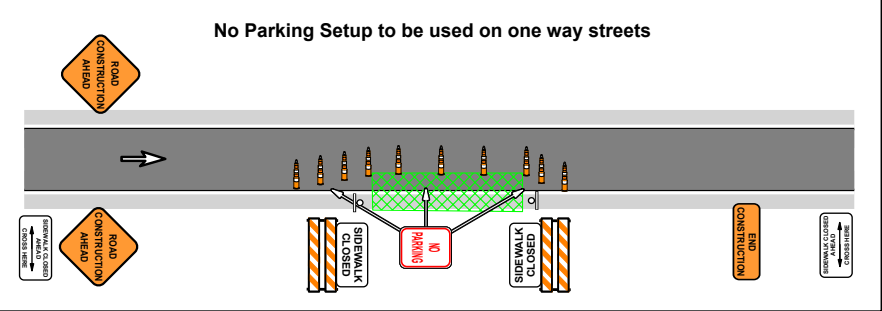
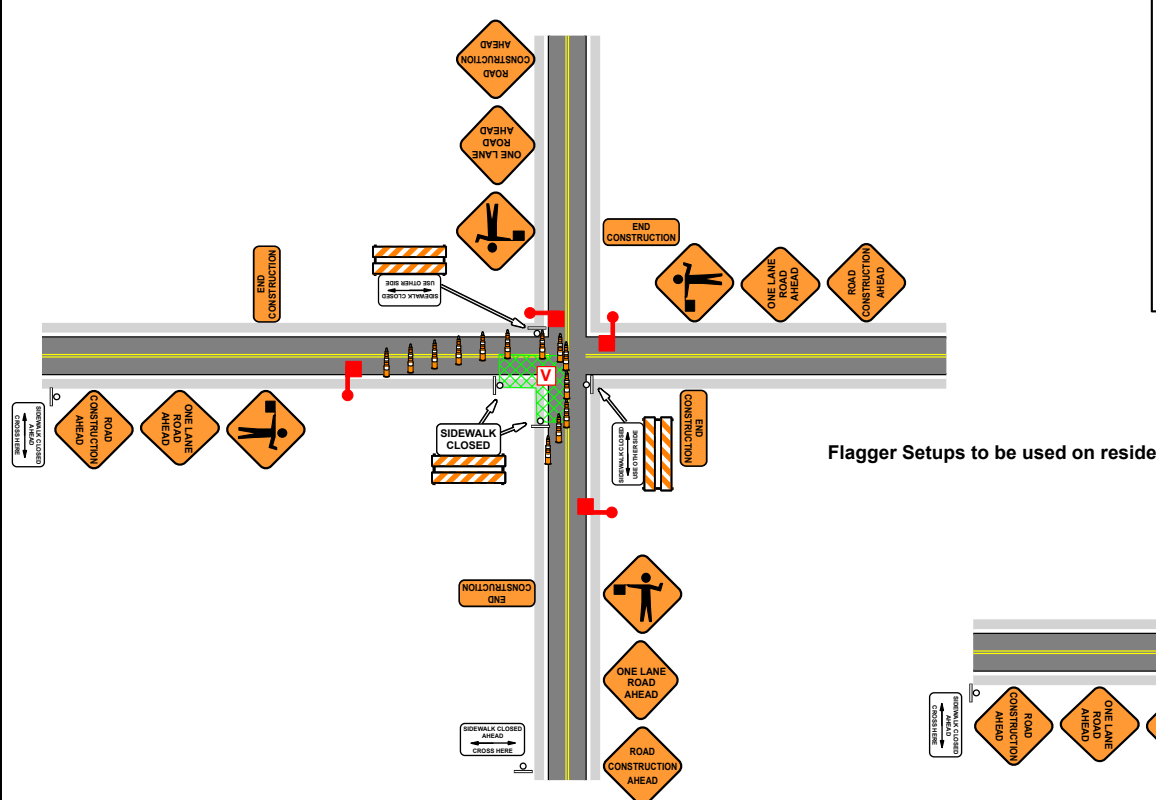
Date: 3/20/2024 Project: BLN01b-F18 W Smith Ave TCP2 :
: Traffic Control Suggestion For: AEG :
By: Road Runner Safety Services, Inc. : Nathan

Comments:
Drawing not to scale. Traffic control plan must be approved by an engineer. This is a suggestion only. Road Runners Safety Services, Inc. has no liability for this suggested traffic control plan. Actual placement and spacing of all traffic control devices will depend on field conditions and must conform to MUTCD standards.



Road Construction Ahead signs to be placed on all side streets within work area. Sidewalk Closed Ahead Cross Here signs to be placed at nearest crossing.

- Legend**
- ADA Barricade
 - Arrow Board
 - Channelizer
 - Flagger (Person)
 - Sign
 - Work Area






CITY OF BLOOMINGTON RIGHT-OF-WAY USE PERMIT APPLICATION

401 N Morton Street, Suite 130
P.O. Box 100
Bloomington, IN 47402

Phone: (812) 349-3913
Fax: (812) 349-3520
Email:
engineering@bloomington.in.gov

ROW EXCAVATION ROW USE

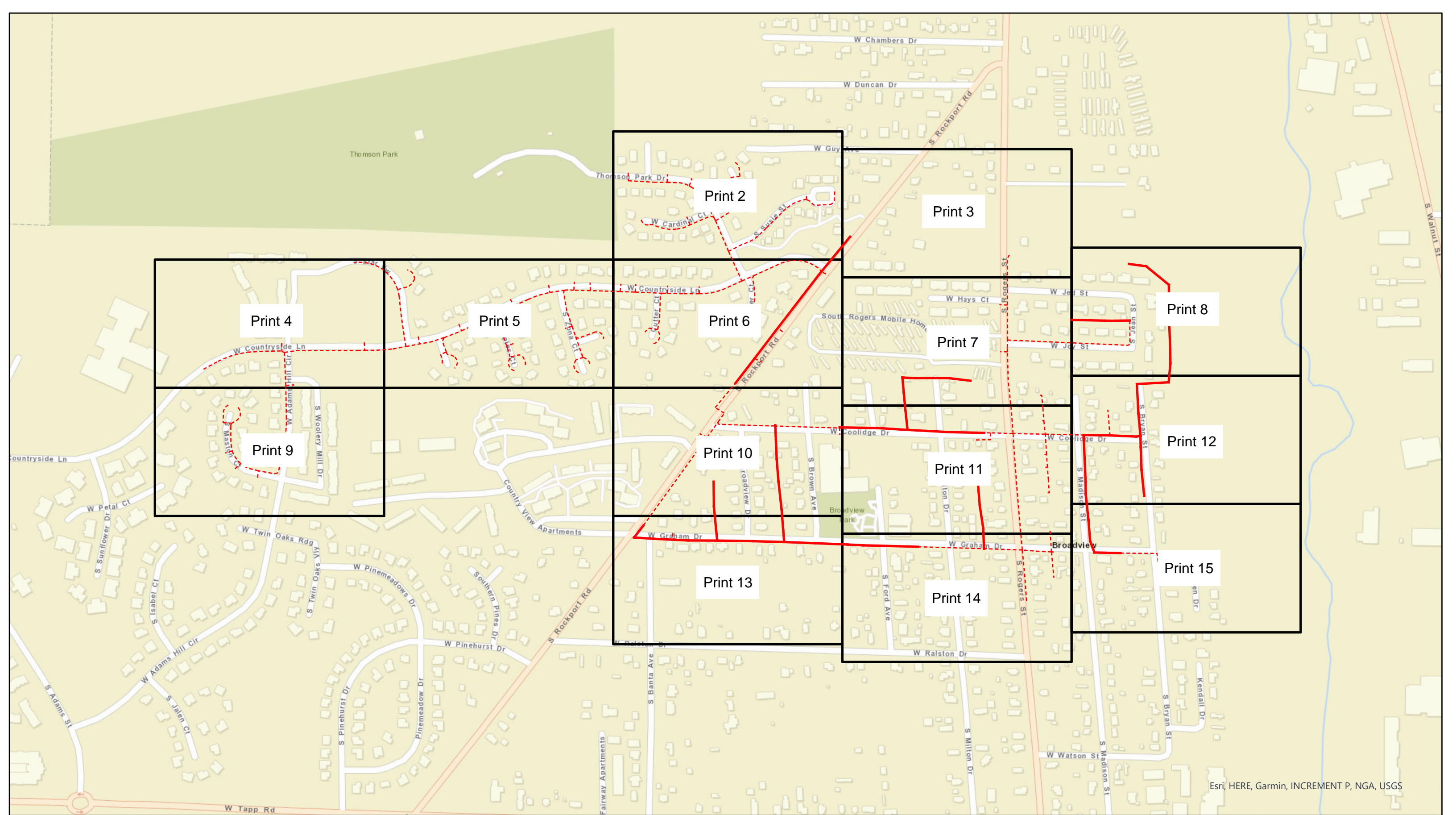
ADDRESS OF ROW ACTIVITY: BLN01b-F18_W Smith Ave

A. APPLICANT/AGENT INFORMATION:		D. TRAFFIC CONTROL DEVICES*:	
APPLICANT NAME: <u>Bret Simons</u>		<input checked="" type="checkbox"/> CONES <input type="checkbox"/> ARROWBOARD	
E-MAIL: <u>bret.simons@aeg.cc</u>		<input type="checkbox"/> LIGHTED BARRELS <input checked="" type="checkbox"/> TYPE 3 BARRICADES	
COMPANY: <u>Atlantic Engineering Group</u>		<input checked="" type="checkbox"/> FLAGGERS <input type="checkbox"/> BPD OFFICER	
ADDRESS: <u>P.O. Box 349</u>		*PROVIDING MUTCD COMPLIANT TEMPORARY TRAFFIC CONTROL DEVICES AND MAINTENANCE OF TRAFFIC (MOT) PLAN IS YOUR RESPONSIBILITY AND REQUIRED. See page 3 for additional MOT resources; the graph paper can be used for your MOT site plan if needed or you can submit a separate sheet	
CITY, STATE, ZIP: <u>Buford, GA 30515</u>			
24-HR EMERGENCY CONTACT NAME: <u>(706)654-2298</u>		E. METERED PARKING SPACES NEEDED: <input type="checkbox"/> Y <input type="checkbox"/> N	
24-HR CONTACT PHONE #: _____		IT IS THE RESPONSIBILITY OF THE APPLICANT TO RESERVE PARKING METER(S) APPLICATION LOCATED: https://bloomington.in.gov/transportation/parking/moving OR CONTACT PARKING SERVICES WITH QUESTIONS AT (812)349-3436	
INSURANCE #*: <u>TB5-691-473497-082</u> COMPANY: <u>ACORD</u>		F. IS THIS A <input type="checkbox"/> CBU* <input type="checkbox"/> COUNTY* <input type="checkbox"/> IU* <input type="checkbox"/> NP* PROJECT?	
BOND #*: <u>1160465</u> COMPANY: <u>LEXON</u>		PROJECT NAME: <u>BLN01b-F18 W Smith Ave</u>	
*INSURANCE & BOND MUST BE ON FILE WITH THE CITY BEFORE PERMIT WILL BE ISSUED		PROJECT #: <u>BLN01b-F18 W Smith Ave</u>	
SUBCONTRACTOR INFORMATION		PROJECT MGR.: <u>Patrick Brigman</u>	
(LIST ALL COMPANIES WORKING UNDER PRIMARY CONTRACTOR PERMIT)		PROJECT MGR. #: <u>215-847-8819</u>	
COMPANY NAME: _____		*CBU = CITY OF BLOOMINGTON UTILITIES *COUNTY = MONROE COUNTY	
B. WORK DESCRIPTION:		*IU = INDIANA UNIVERSITY *NP = NOT-FOR-PROFIT AGENCY	
<input type="checkbox"/> POD/DUMPSTER <input type="checkbox"/> CRANE <input type="checkbox"/> SCAFFOLDING <input checked="" type="checkbox"/> CONSTRUCTION USE*		G. EXCAVATIONS:	
(EXPLAIN): <u>Excavation</u>		SQ FT OF PAVEMENT* EXCAVATIONS : <u>N/A</u>	
*EXCAVATION, LONG TERM USE FOR STORAGE OF MATERIAL/EQUIPMENT/WALKAROUND		*PAVEMENT INCLUDES: IN OR UNDER CONCRETE, OR ASPHALT INCLUDING CURBS	
C. RIGHT OF WAY TO BE USED/CLOSED:		SQ FT OF NON-PAVEMENT* EXCAVATIONS: <u>41.62 Sq Ft</u>	
STREET NAME 1: <u>W Smith Ave</u>		*DIRT, GRASS, GRAVEL, LANDSCAPE AREA OR OTHER UNPAVED SURFACE	
1ST INTERSECTING STREET NAME: _____		LINEAL FT OF BORE*: <u>3,012 Lineal Ft</u>	
2ND INTERSECTING STREET NAME: _____		*BORE PITS SHALL BE CALCULATED AS SQ FT EXCAVATIONS	
<input type="checkbox"/> ROAD CLOSURE <input checked="" type="checkbox"/> LANE CLOSURE 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/>		# OF POLE INSTALLATIONS/REMOVAL: <u>N/A</u>	
<input checked="" type="checkbox"/> SIDEWALK* <input type="checkbox"/> BIKE LANE <input type="checkbox"/> OTHER		SQ FT OF SIDEWALK RECONSTRUCTION*: <u>N/A</u>	
TRANSIT STOP? <input type="checkbox"/> Y <input type="checkbox"/> N PARKING LANE(S)** <input type="checkbox"/> Y <input type="checkbox"/> N **NON-METERED		*CONCRETE OR ASPHALT SIDEWALK/PATH BEING IMPROVED/REPLACED	
START DATE: <u>April 26th</u> END DATE: _____ # OF DAYS*: <u>90</u>		SQ FT OF SIDEWALK NEW CONSTRUCTION*: <u>N/A</u>	
STREET NAME 2: _____		*CONCRETE OR ASPHALT SIDEWALK/PATH THAT IS NEW INFRASTRUCTURE	
1ST INTERSECTING STREET NAME: _____		#RESIDENTIAL DRIVEWAY INSTALLATION: <u>N/A</u>	
2ND INTERSECTING STREET NAME: _____		 <p>TO SUBMIT A LOCATE REQUEST 24 HRS A DAY, 7 DAYS A WEEK CALL 811 OR 800-382-5544 CALL 2 WORKING DAYS BEFORE YOU DIG. IT'S THE LAW.</p>	
<input type="checkbox"/> ROAD CLOSURE <input type="checkbox"/> LANE CLOSURE 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/>			
<input type="checkbox"/> SIDEWALK* <input type="checkbox"/> BIKE LANE <input type="checkbox"/> OTHER		H. INDEMNIFICATION AGREEMENT:	
TRANSIT STOP? <input type="checkbox"/> Y <input type="checkbox"/> N PARKING LANE(S)** <input type="checkbox"/> Y <input type="checkbox"/> N **NON-METERED		The petitioner/applicant hereby agrees to hold harmless, defend and to indemnify the City of Bloomington from or against all claims, action, damages and expenses, including but not limited to reasonable attorney's fees or any alleged injury and/or death to any person or damage to any property arising, or alleged to have arisen out of any act of commission or omission on the part of the petitioner/applicant, his/her heirs, successors, or assigns regardless of whether such acts are the direct or indirect result of the public right-of-way use pursuant to this permit grant.	
START DATE: _____ END DATE: _____ # OF DAYS*: _____		I AFFIRM, UNDER THE PENALTIES FOR PERJURY, THAT THE FOREGOING REPRESENTATIONS ARE TRUE.	
*SIDEWALK CLOSURES FOR A PERIOD OR PERIODS TOTALING 24HRS OR MORE SHALL INSTALL A WALKAROUND UNLESS OTHERWISE APPROVED DURING REVIEW		PRINT NAME: <u>Bret Simons</u>	
STANDARD CLOSURE HOURS MON-FRI*: 9:00 AM - 3:00 PM & 6:00 PM - 9:00 PM		SIGNATURE: <u>Bret Simons</u>	
STANDARD CLOSURE HOURS <input checked="" type="checkbox"/> *NON-STANDARD CLOSURE HOURS <input type="checkbox"/>		DATE: <u>3/20/2024</u>	
REQUESTED CLOSURE HOURS: _____ AM - _____ PM			
*non-standard hours may not be allowed near schools, on arterials, or other circumstances and are subject to approval during the permitting process			
BMC 14.09.040 allows work from 6 AM to 10 PM without violating the noise ordinance (7AM to 9PM for pneumatic hammers)			

For Administration Use Only (applicable to CLOSURE approval)

Approved By: _____ BPW City Engineer Director Date: _____

Staff Representative: _____ Phone#: _____ Date: _____

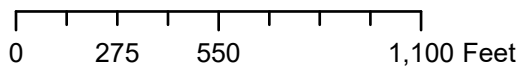


Esri, HERE, Garmin, INCREMENT P, NGA, USGS



Legend BLS01a-F06_W Coolidge Dr

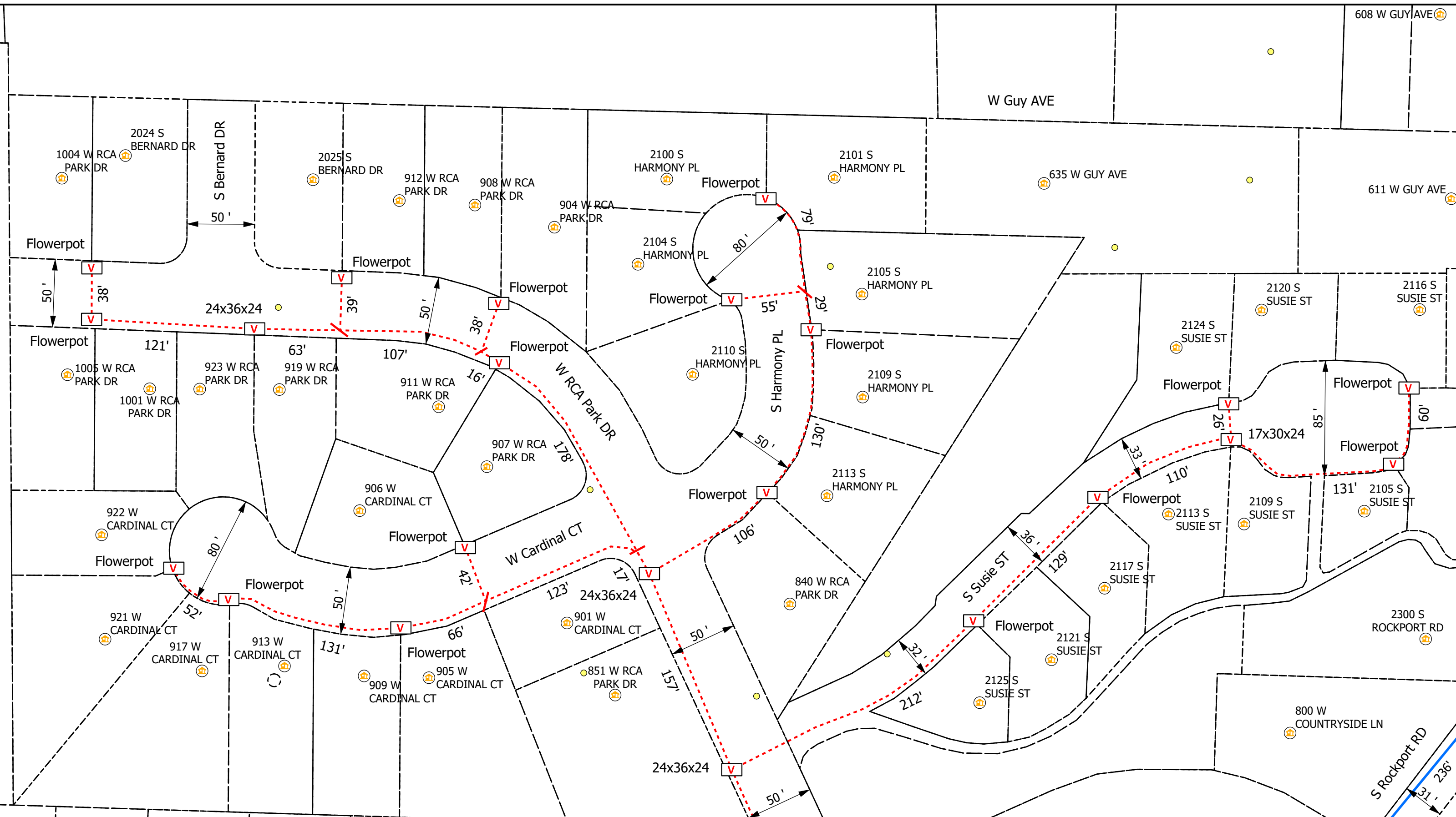
- Proposed Aerial
- - - Conduit
- Grids



City of Bloomington, IN Permit:
Design View

INI	BY	DATE	DESCRIPTION





AEG

0 20 40 80 Feet

Legend

- Poles
- Risers
- Sidewalk
- Vaults
- Address
- Bloomington_Parcels
- Overhead Strand
- Conduit
- Anchor
- Grids

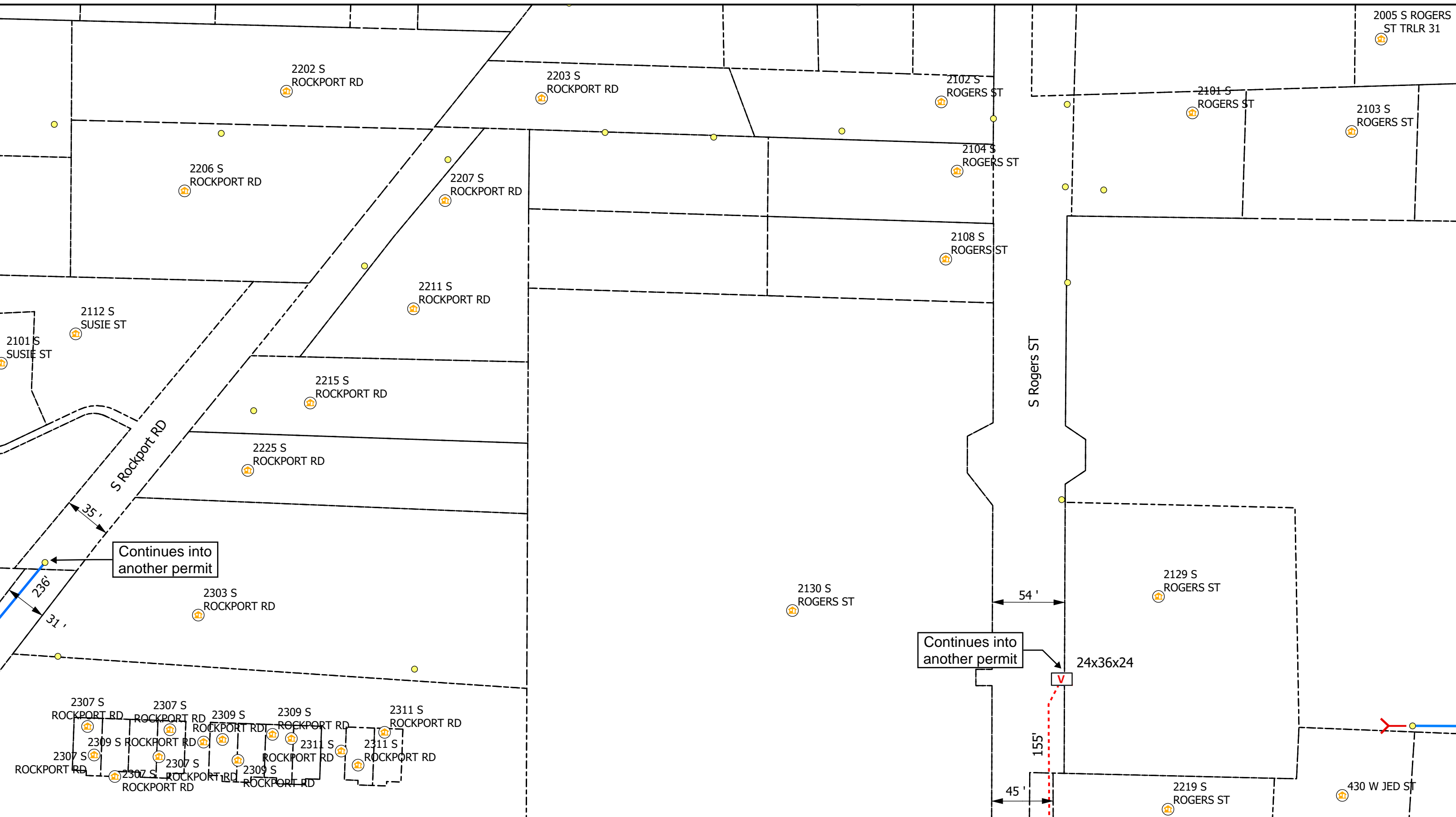
All Flowerpots 12" DIA

City of Bloomington, IN Permit:
Design View

INI	BY	DATE	DESCRIPTION

Indiana 811

Print 2 of 15



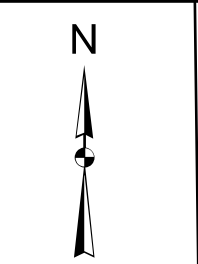
AEG

0 20 40 80 Feet

Legend

- Poles
- Vaults
- Overhead Strand
- Conduit
- Risers
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- Sidewalk
- Bloomington_Parcels
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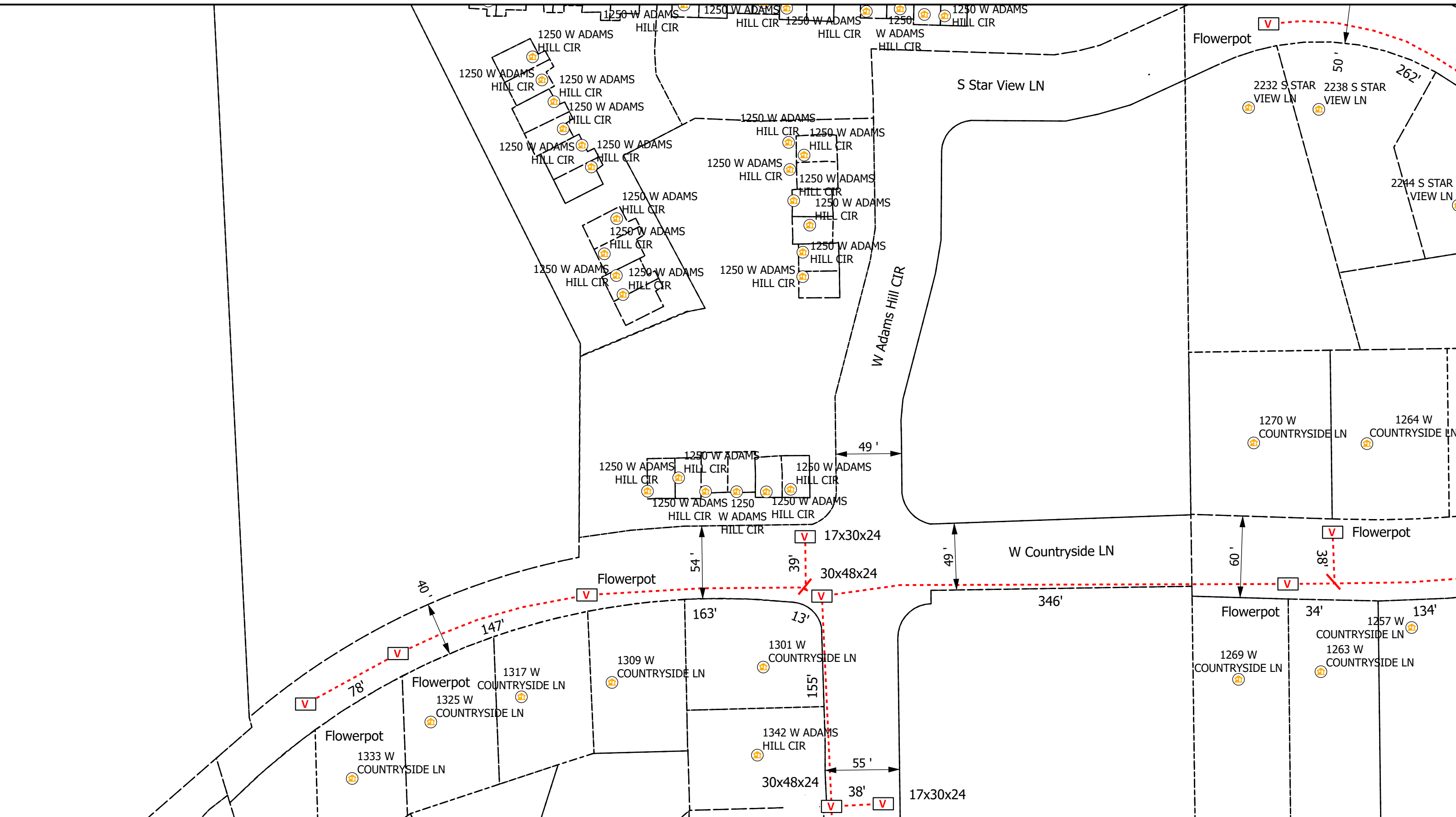
All Flowerpots 12" DIA



City of Bloomington, IN Permit:
Design View

INI	BY	DATE	DESCRIPTION

Print 3 of 15



Legend

- Poles
- V Vaults
- Overhead Strand
- Conduit
- R Risers
- A Address
- Y Anchor
- ↖ Sidewalk
- Bloomington_Parcels
- Grids

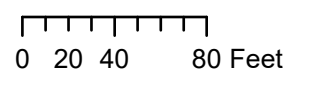
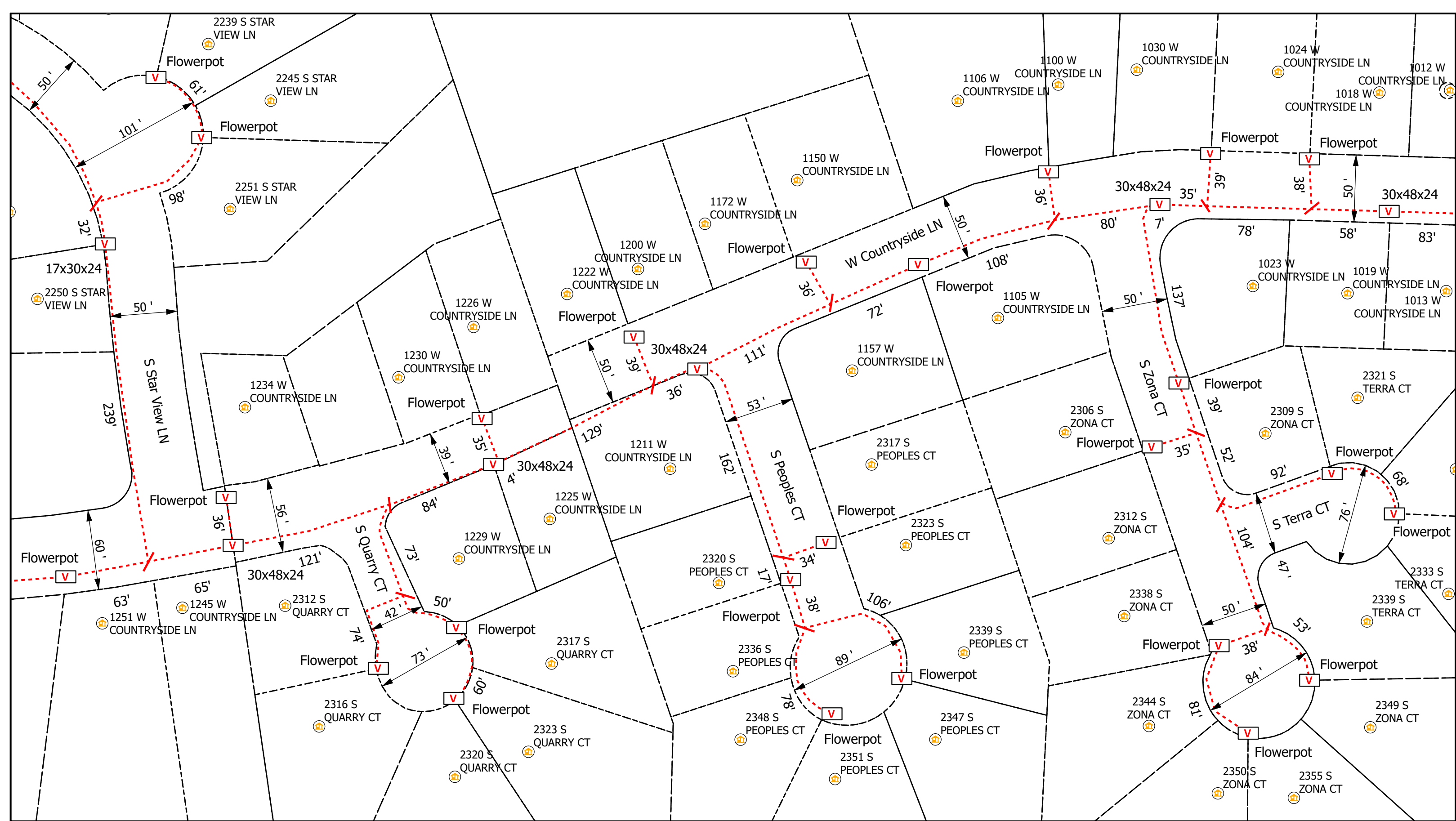
All Flowerpots 12" DIA

City of Bloomington, IN Permit:
Design View

INI	BY	DATE	DESCRIPTION

Indiana 811

Print 4 of 15



Legend

- Poles
- Ⓡ Risers
- Ⓜ Sidewalk
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- 🏠 Address
- Bloomington_Parcels
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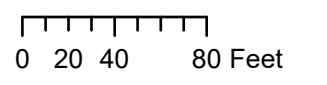
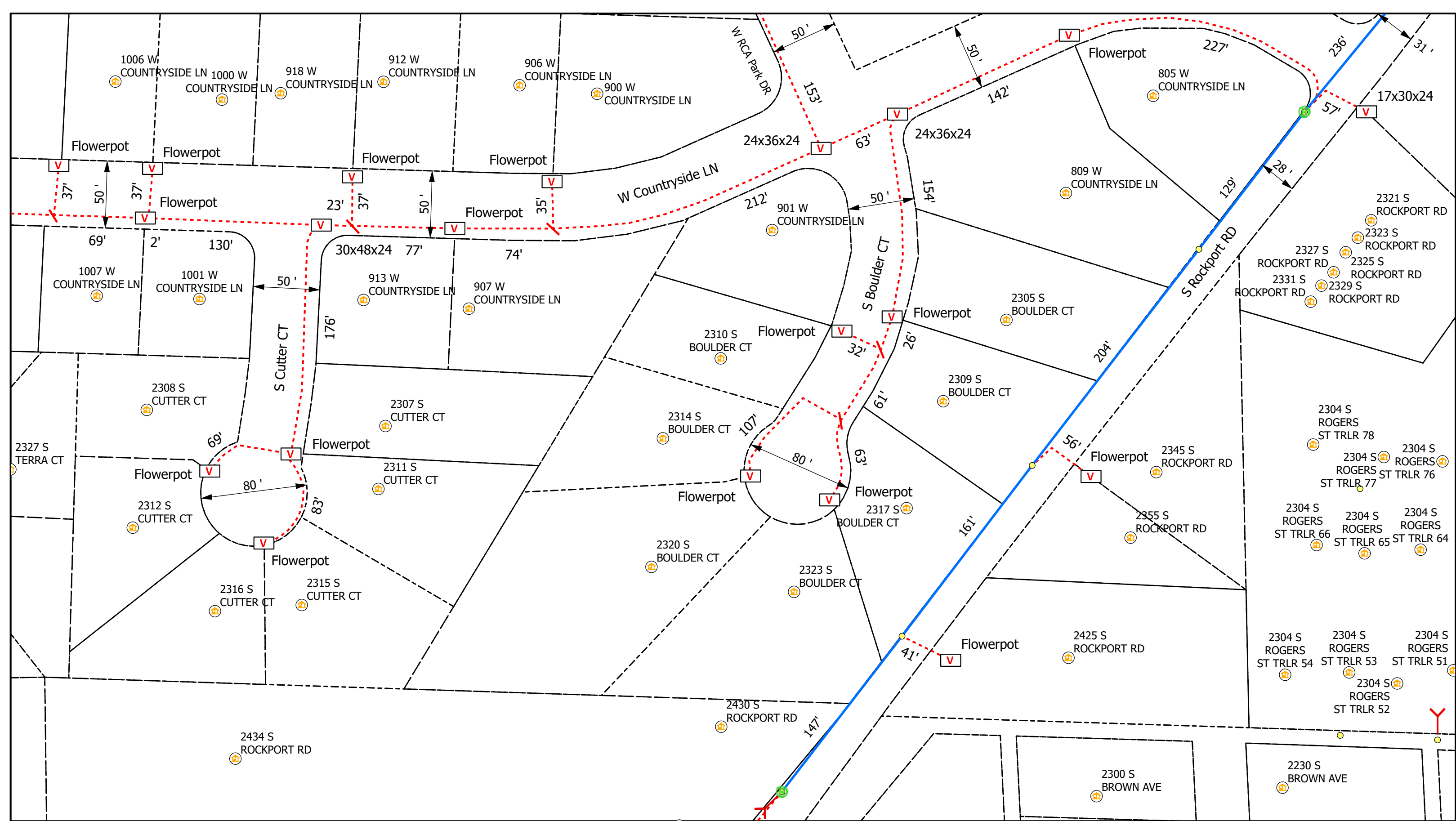
All Flowerpots 12" DIA



City of Bloomington, IN Permit:
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INI	BY	DATE	DESCRIPTION





Legend

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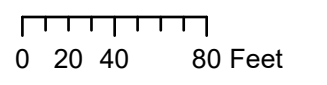
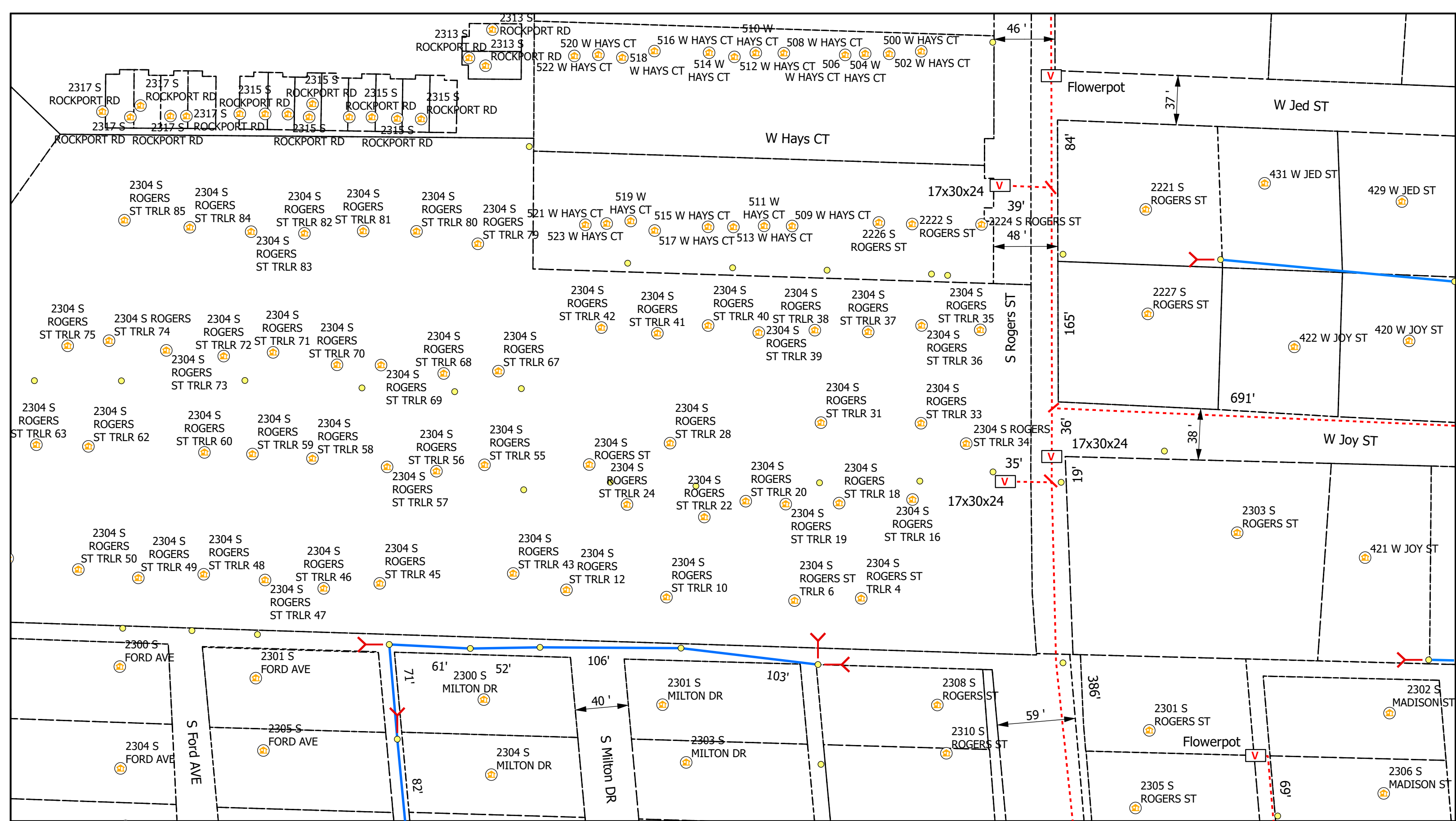
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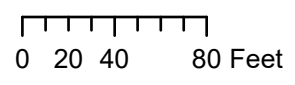
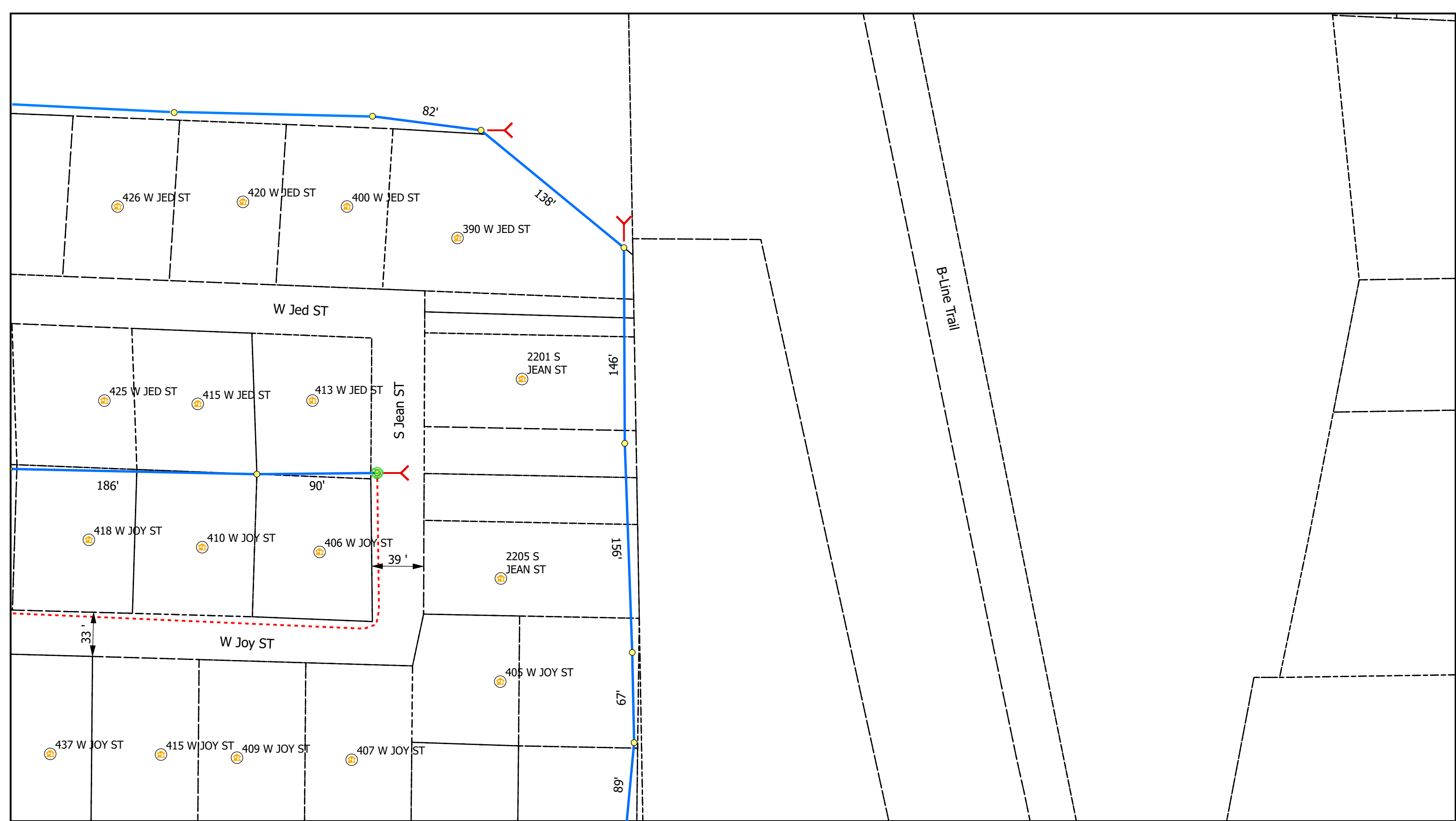
All Flowerpots 12" DIA



City of Bloomington, IN Permit:
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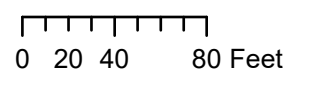
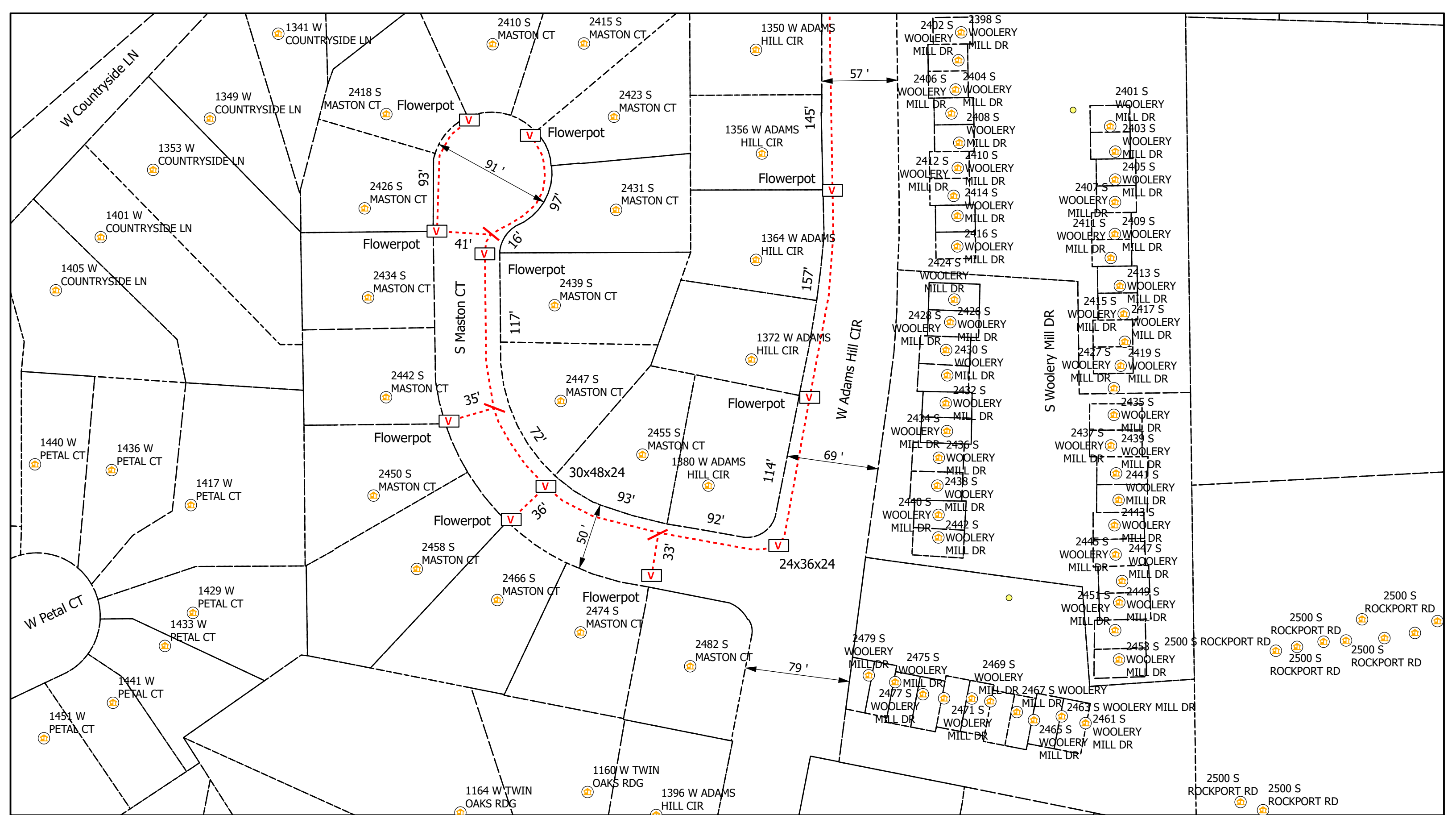
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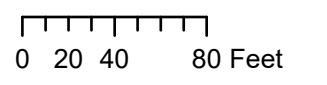
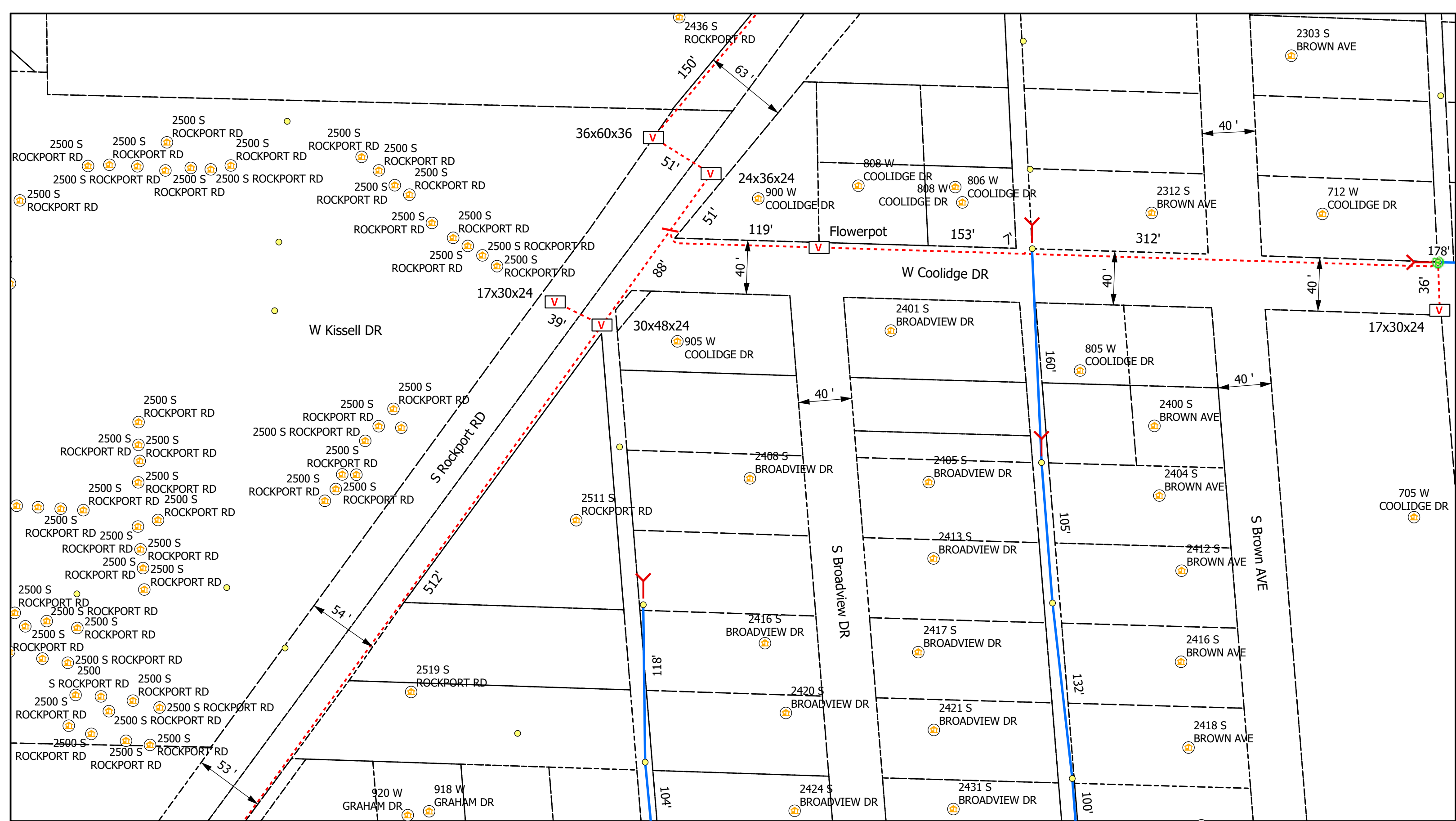
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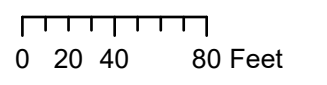
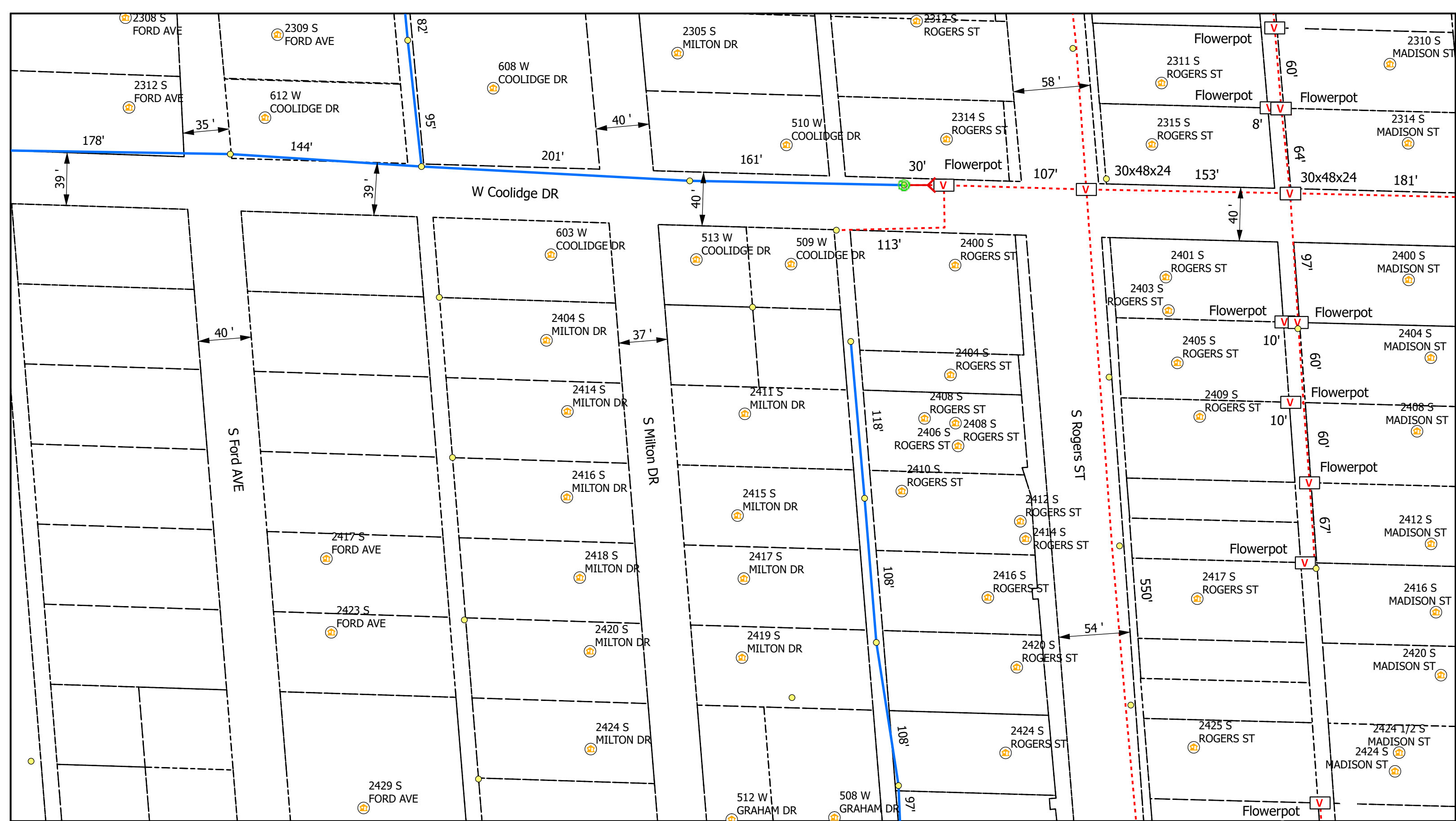
All Flowerpots 12" DIA



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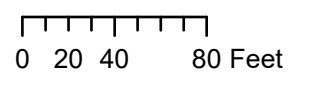
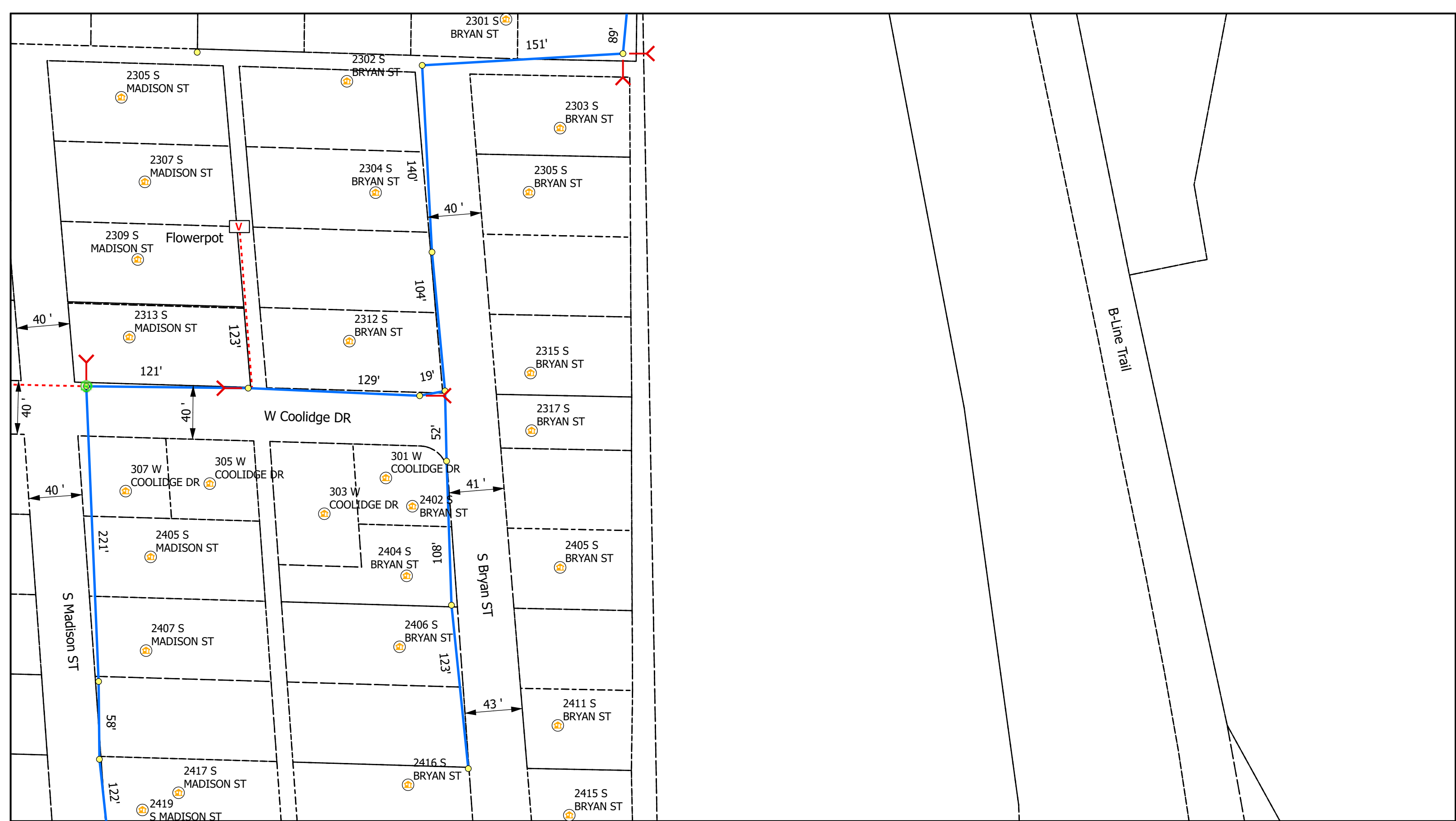
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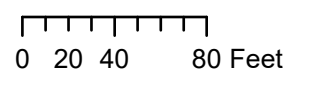
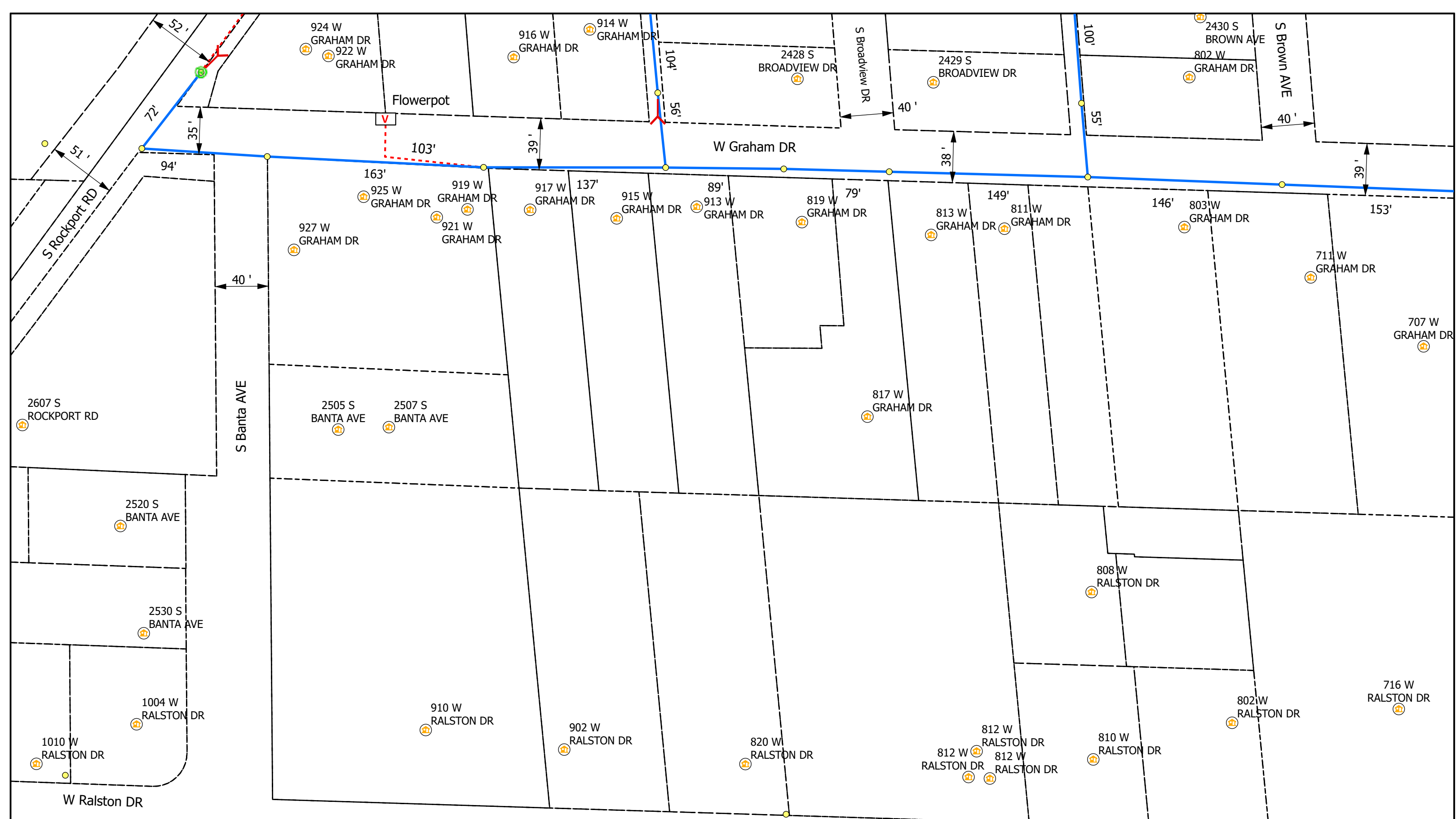
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City of Bloomington, IN Permit:
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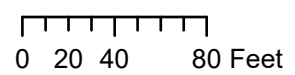
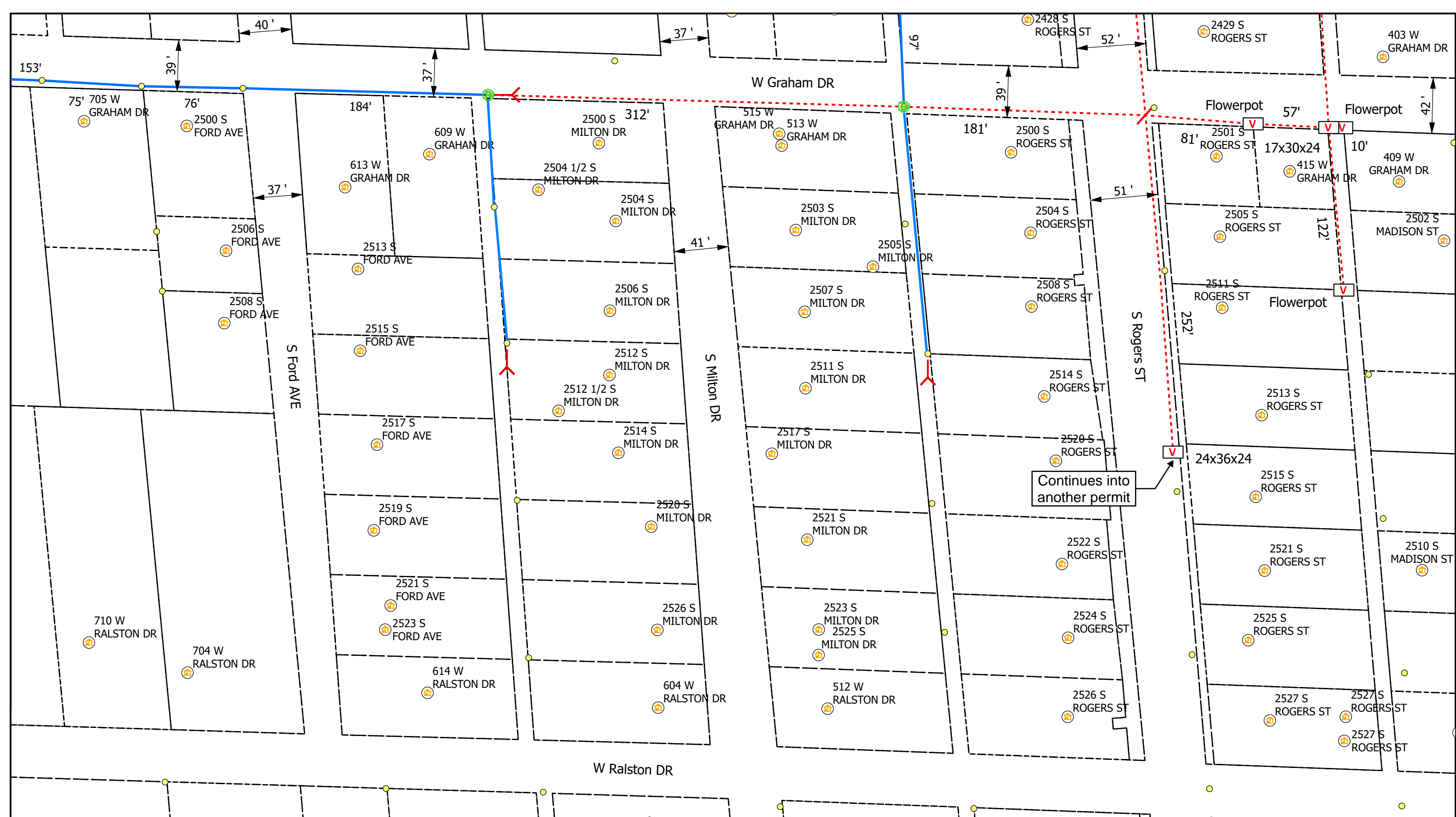
All Flowerpots 12" DIA



City of Bloomington, IN Permit:
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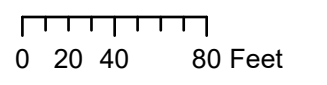
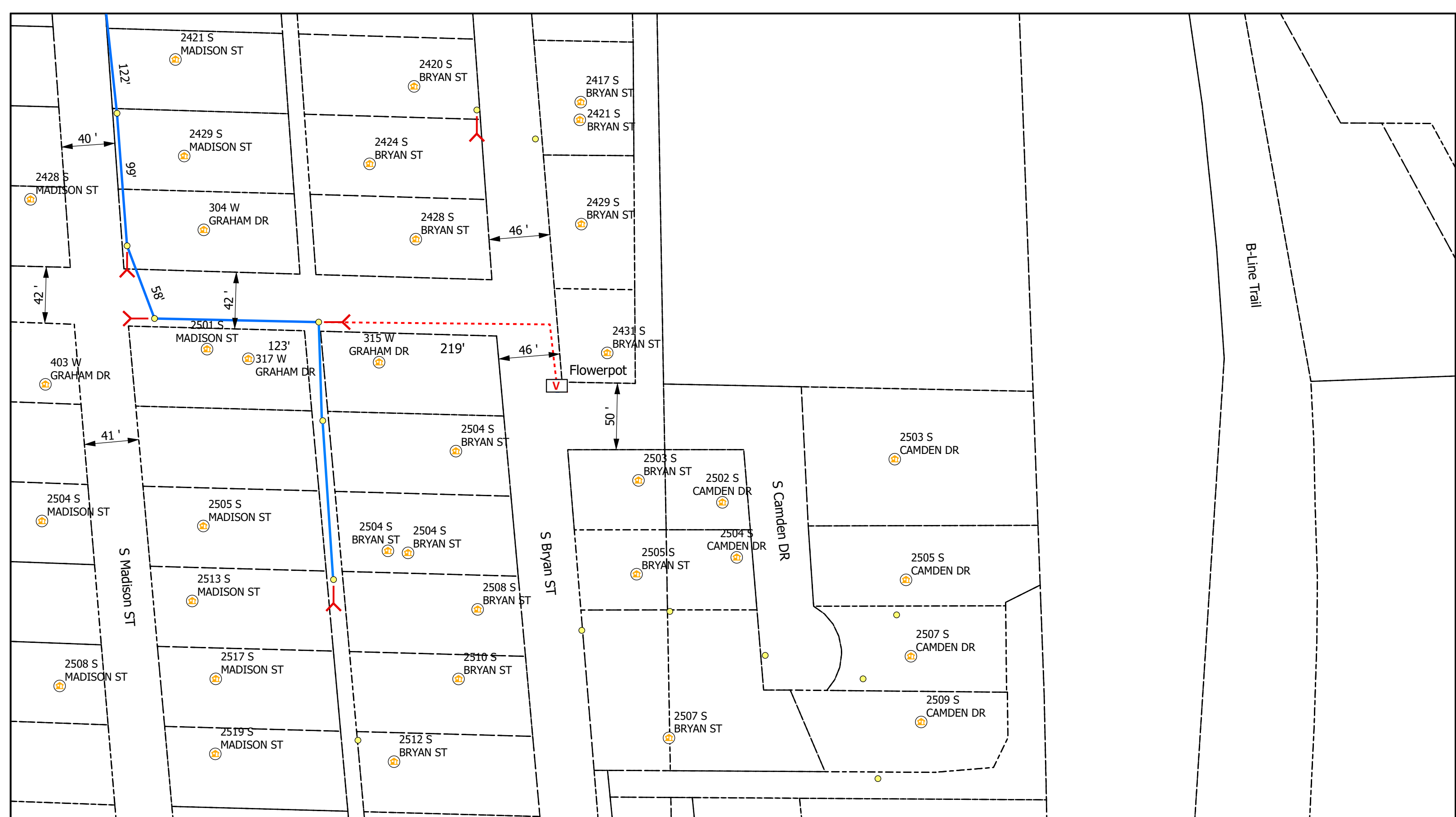
All Flowerpots 12" DIA



City of Bloomington, IN Permit:
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All Flowerpots 12" DIA



City of Bloomington, IN Permit:
Design View

INI	BY	DATE	DESCRIPTION



Carlton® PV-Mold® Nonmetallic Pole Riser System

Carlton PV-Mold is a nonmetallic pole riser system designed to protect communications power cable installed on poles.

Features:

- Meets or exceeds requirements outlined in the National Electric Safety Code (NESC).
- Designed in accordance with NEMA TC-19 specifications.
- Ultraviolet, cold temperature and corrosive atmosphere resistant.
- Schedule 40 wall meets Schedule 80 PVC conduit impact requirements per NEMA TC-19.
- No grounding required.
- Belled end fits over each added section or conduit.
- Flame retardant.
- Requires no maintenance.
- PV-Mold acts as an insulator against electrical shock.
- Interchangeable parts and accessories to match the needs of specific requirements.

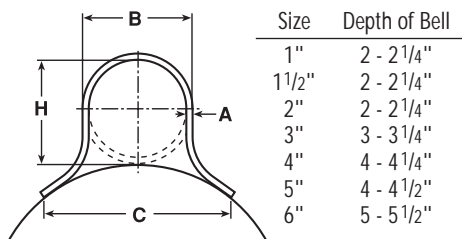


Steel U-Guard requires grounding strapping and does not have belled ends.



PV-Mold has belled ends, flanged design and does not require grounding.

Flanged Overall Length 10 Feet, Including Bell



Slots are 1/2" from side to side, and allow for expansion and contraction.

Slot Dimensions: for sizes 2" through 6" are 5/16" wide, 3/4" long.

Slot Dimensions: for 1" and 1 1/2" are 3/16" wide, 3/4" long.

Slot Spacing: 18" from center, beginning 6" from end.



Standard Duty

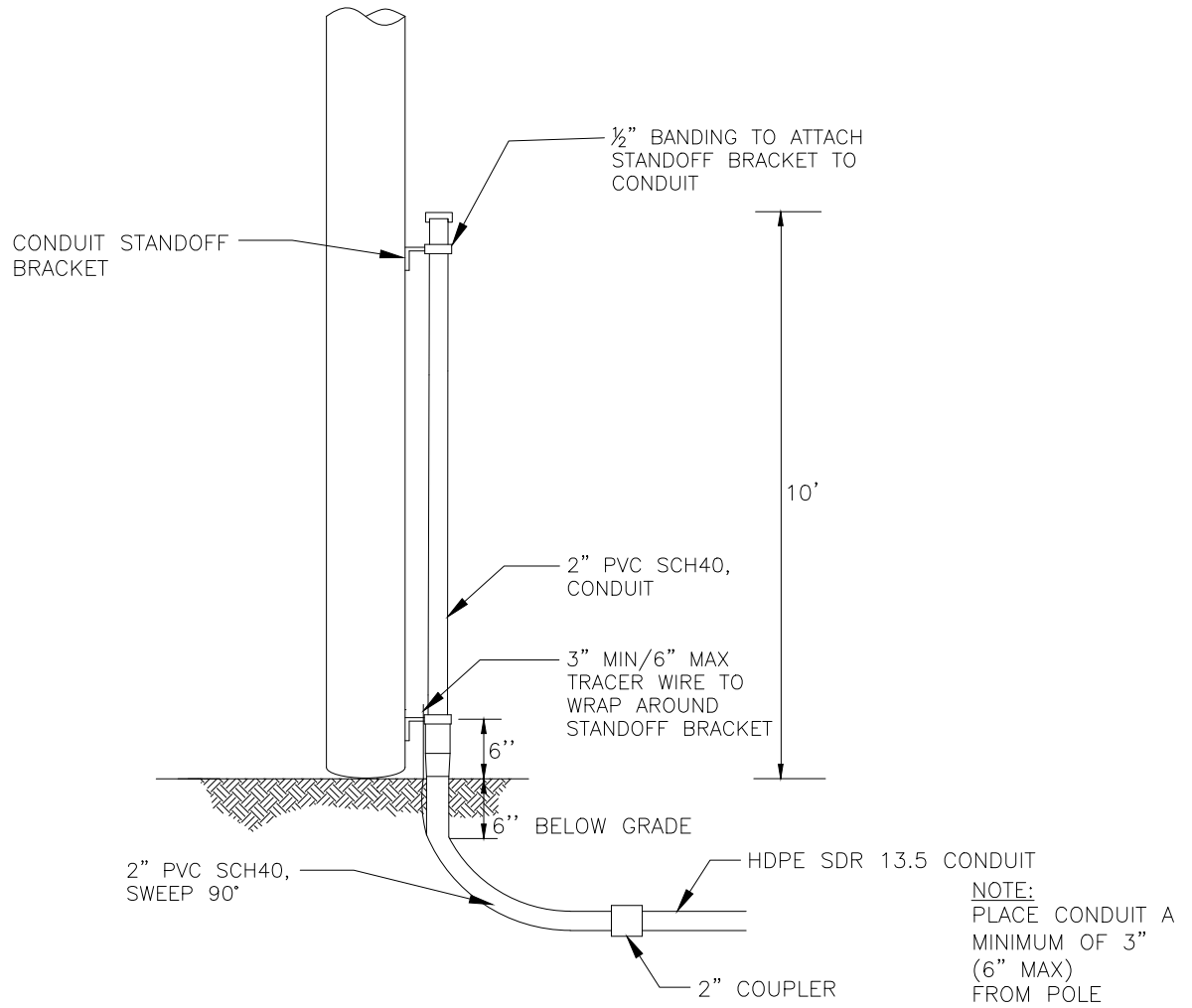
Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Dimensions				Actual Impact @ 0°C 20 Pound Top
				A	B	C	H	
59208N	1"	294	1059	0.100"	1 5/8"	2 3/8"	1 5/8"	40 Ft.-Lbs.
59211N	2"	136	726	0.100"	2 3/8"	4 1/2"	2 3/8"	100 Ft.-Lbs.
59211X (5' length)	2"	136	363	0.100"	2 3/8"	4 1/2"	2 3/8"	100 Ft.-Lbs.
59213N	3"	66	761	0.150"	3 1/2"	6"	3 1/2"	110 Ft.-Lbs.
59213X (5' length)	3"	66	381	0.150"	3 1/2"	6"	3 1/2"	100 Ft.-Lbs.
59215N	4"	65	910	0.150"	4 1/2"	6 1/2"	4 1/2"	110 Ft.-Lbs.
59216N	5"	30	515	0.150"	5 1/2"	7 1/2"	5 1/2"	110 Ft.-Lbs.

Heavy Duty Schedule 40

59010N	1 1/2"	200	1142	0.145"	1 29/32"	3 1/2"	1 29/32"	100 Ft.-Lbs.
59011N	2"	136	1214	0.154"	2 3/8"	4 1/2"	2 3/8"	150 Ft.-Lbs.
59013N	3"	66	937	0.216"	3 1/2"	6"	3 9/32"	150 Ft.-Lbs.
59015N	4"	65	1621	0.237"	4 1/2"	6 1/2"	4 1/2"	260 Ft.-Lbs.
59015X (5' length)	4"	65	707	0.237"	4 1/2"	6 1/2"	4 1/2"	260 Ft.-Lbs.
59016N	5"	30	870	0.258"	5 1/2"	7 1/2"	5 1/2"	260 Ft.-Lbs.
59017N	6"	30	1160	0.280"	6 5/8"	8 3/4"	6 5/8"	260 Ft.-Lbs.

Extra Heavy Duty Schedule 80

59411N	2"	136	1549	0.218"	2 3/8"	4 1/2"	2 3/8"	300 Ft.-Lbs.
59413N	3"	66	1495	0.030"	3 1/2"	6"	3 1/2"	525 Ft.-Lbs.



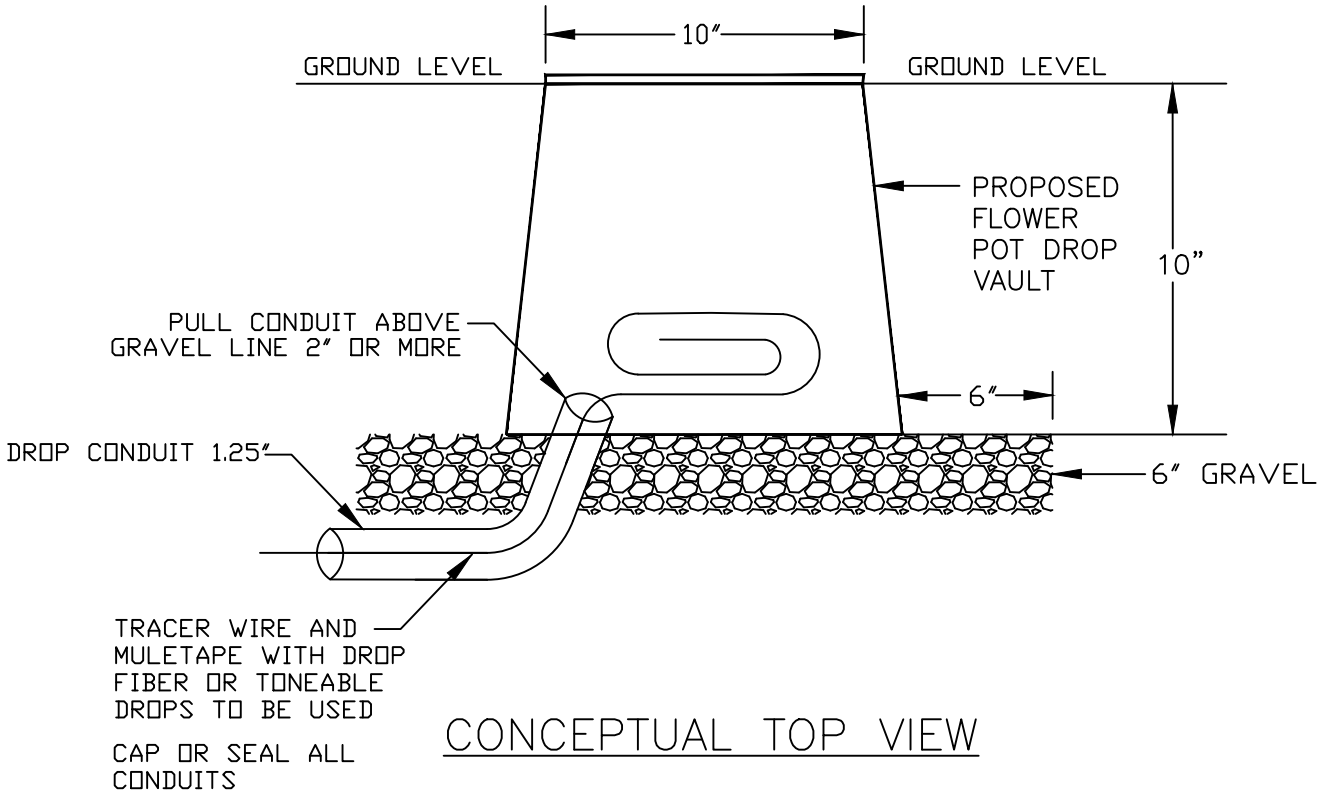
DESCRIPTION	QTY	MANUFACTURER (PREFERRED)	PART #
SCREW, LAG, 1/2" x 4-1/2"	10		
HDPE SDR 13.5 CONDUIT, VARIOUS SIZES	N/A		
2" PVC SCH40, RISER PIPE	1		
#12 TRACER WIRE	N/A		
2" PVC SCH40, SWEEP, 90 DEG	1		
CONDUIT STANDOFF BRACKET	VARIES		
CONDUIT STRAP KIT	VARIES		
2" COUPLER	1		



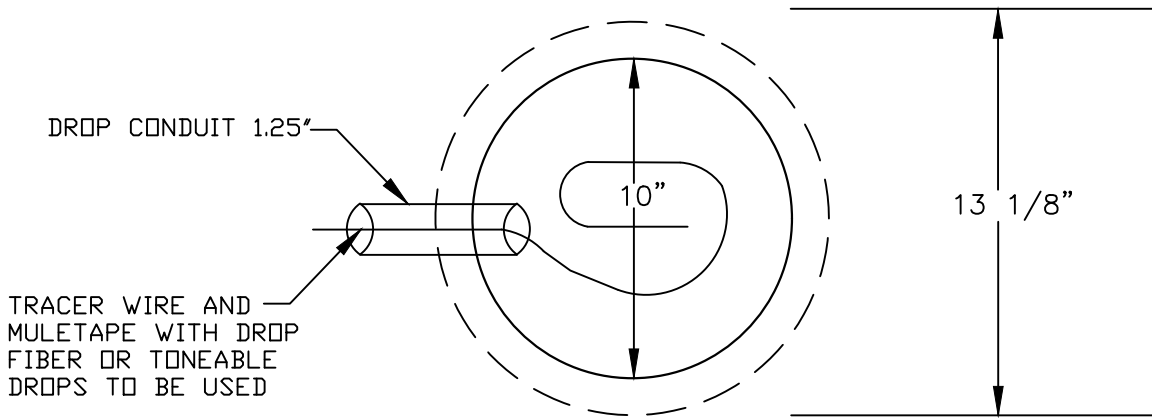
TYPICAL RISER
CONDUIT
WOOD POLE

(R2-W)

CONCEPTUAL SIDE VIEW



CONCEPTUAL TOP VIEW

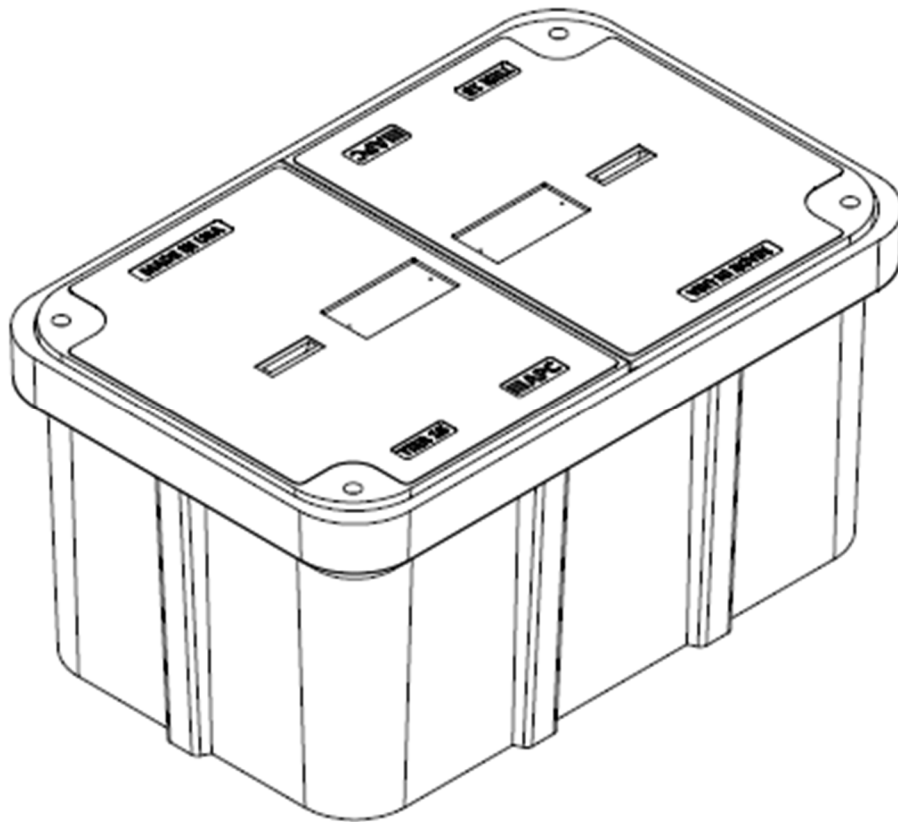


FLOWER POT

30"x48" PC UNIT, 2PC TIER 15/22
 18", 24", and 36" HEIGHT



AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit – TIER 15	30"x48"x18"	Tier 15	P304818HU15...	460 lbs.
PC Unit – TIER 22	30"x48"x18"	Tier 22	P304818HU22...	525 lbs.
PC Unit – TIER 15	30"x48"x24"	Tier 15	P304824HU15...	510 lbs.
PC Unit – TIER 22	30"x48"x24"	Tier 22	P304824HU22...	575 lbs.
PC Unit – TIER 15	30"x48"x36"	Tier 15	P304836HU15...	615 lbs.
PC Unit – TIER 22	30"x48"x36"	Tier 22	P304836HU22...	680 lbs.

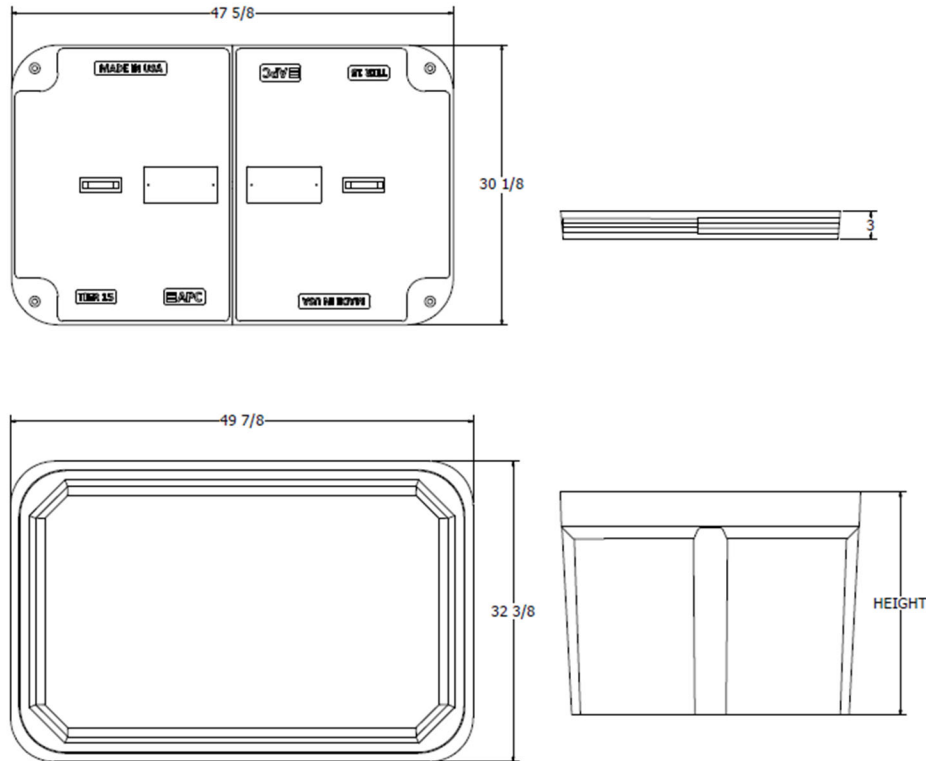


30"x48" PC UNIT, 2PC TIER 15/22

18", 24", and 36" HEIGHT



AMERICAN POLYMER COMPANY



Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	30"x48"x18"	Tier 22	P304818B22	185 lbs.
Replacement Box	30"x48"x24"	Tier 22	P304824B22	235 lbs.
Replacement Box	30"x48"x36"	Tier 22	P304836B22	340 lbs.
Replacement Lids - T15	30"x48" (half)	Tier 15	Various	150 lbs.
Replacement Lids - T22	30"x48" (half)	Tier 22	Various	170 lbs.

Bolt options



Machine Thread



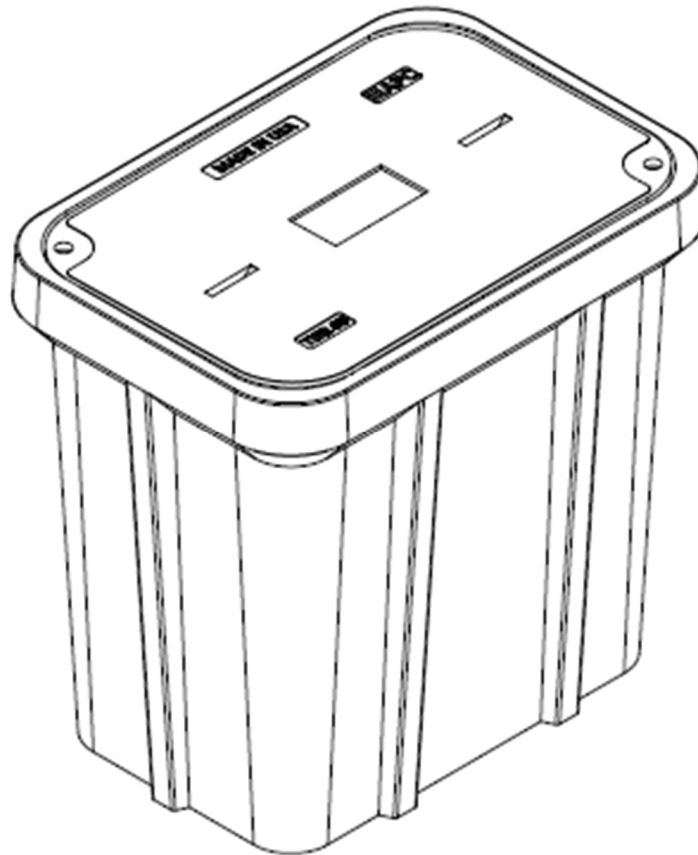
Auger Thread



24"x36" PC UNIT, TIER 15/22
 18", 24", 30", and 36" HEIGHT



AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit – TIER 15	24x36"x18"	Tier 15	P243618U15...	335 lbs.
PC Unit – TIER 22	24x36"x18"	Tier 22	P243618U22...	355 lbs.
PC Unit – TIER 15	24x36"x24"	Tier 15	P243624U15...	365 lbs.
PC Unit – TIER 22	24x36"x24"	Tier 22	P243624U22...	385 lbs.
PC Unit – TIER 15	24x36"x30"	Tier 15	P243630U15...	395 lbs.
PC Unit – TIER 22	24x36"x30"	Tier 22	P243630U22...	415 lbs.
PC Unit – TIER 15	24x36"x36"	Tier 15	P243636U15...	425 lbs.
PC Unit – TIER 22	24x36"x36"	Tier 22	P243636U22...	445 lbs.

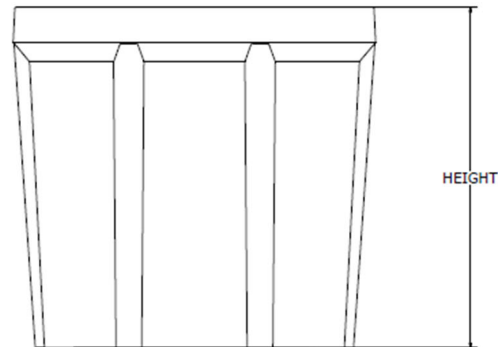
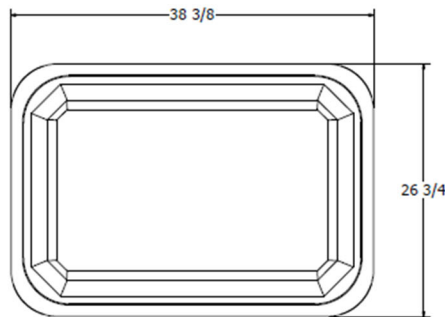
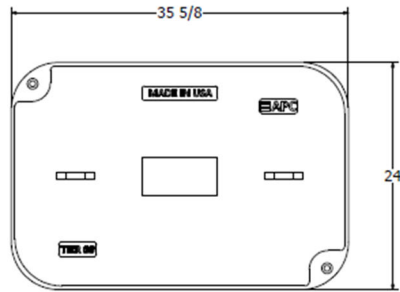


24"x36" PC UNIT, TIER 15/22

18", 24", 30", and 36" HEIGHT



AMERICAN POLYMER COMPANY



Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	24"x36"x18"	Tier 22	P243618B22	165 lbs.
Replacement Box	24"x36"x24"	Tier 22	P243624B22	195 lbs.
Replacement Box	24"x36"x30"	Tier 22	P243630B22	225 lbs.
Replacement Box	24"x36"x36"	Tier 22	P243636B22	255 lbs.
Replacement Lids - T15	24"x36"	Tier 15	Various	170 lbs.
Replacement Lids - T22	24"x36"	Tier 22	Various	190 lbs.

Bolt options

Hex Head



Machine Thread



Penta Head



Auger Thread

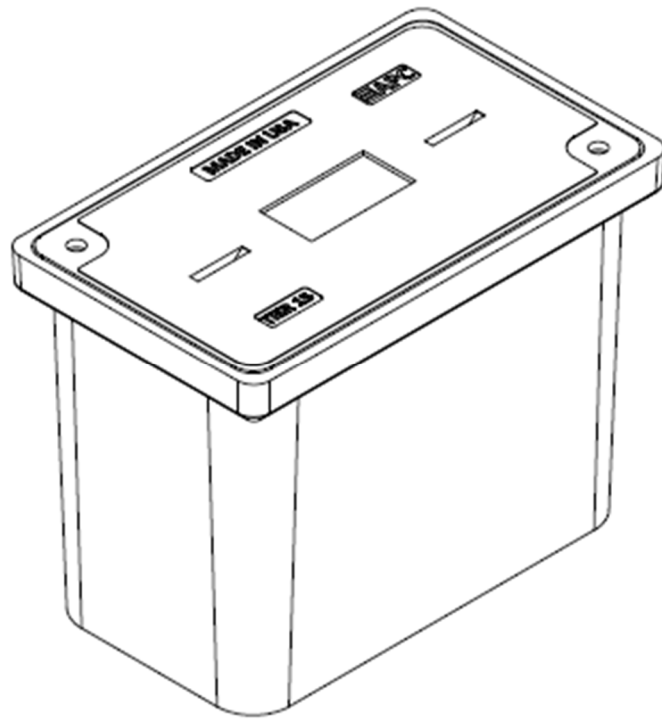


17"x30" PC UNIT, TIER 15/22

12", 18", 24", and 30" HEIGHT



AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit – TIER 15	17"x30"x12"	Tier 15	P173012U15...	138 lbs.
PC Unit – TIER 22	17"x30"x12"	Tier 22	P173012U22...	147 lbs.
PC Unit – TIER 15	17"x30"x18"	Tier 15	P173018U15...	172 lbs.
PC Unit – TIER 22	17"x30"x18"	Tier 22	P173018U22...	181 lbs.
PC Unit – TIER 15	17"x30"x24"	Tier 15	P173024U15...	192 lbs.
PC Unit – TIER 22	17"x30"x24"	Tier 22	P173024U22...	201 lbs.
PC Unit – TIER 15	17"x30"x30"	Tier 15	P173030U15...	217 lbs.
PC Unit – TIER 22	17"x30"x30"	Tier 22	P173030U22...	226 lbs.

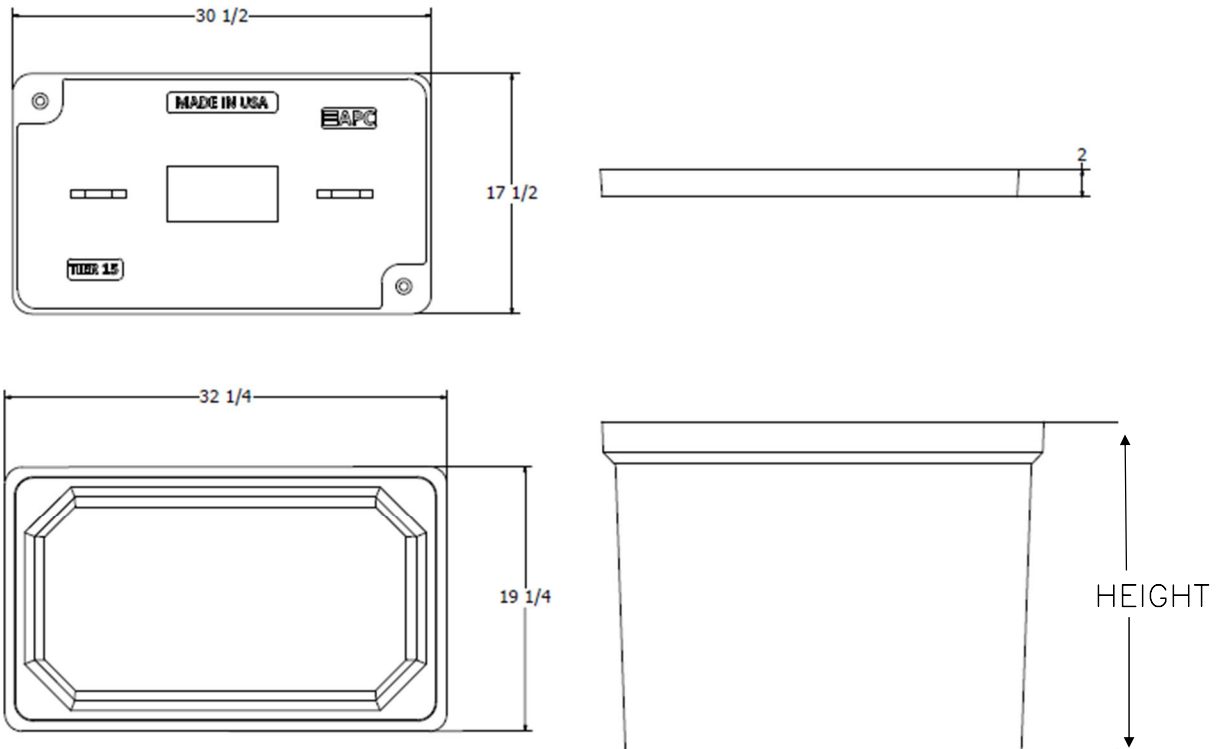


17"x30" PC UNIT, TIER 15/22

12", 18", 24", and 30" HEIGHT



AMERICAN POLYMER COMPANY



Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	17"x30"X12"	Tier 22	P173012B22	66 lbs.
Replacement Box	17"x30"X18"	Tier 22	P173018B22	100 lbs.
Replacement Box	17"x30"X24"	Tier 22	P173024B22	120 lbs.
Replacement Box	17"x30"X30"	Tier 22	P173030B22	145 lbs.
Replacement Lids – T15	17"x30"	Tier 15	Various	72 lbs.
Replacement Lids – T22	17"x30"	Tier 22	Various	81 lbs.

Bolt options



Machine Thread



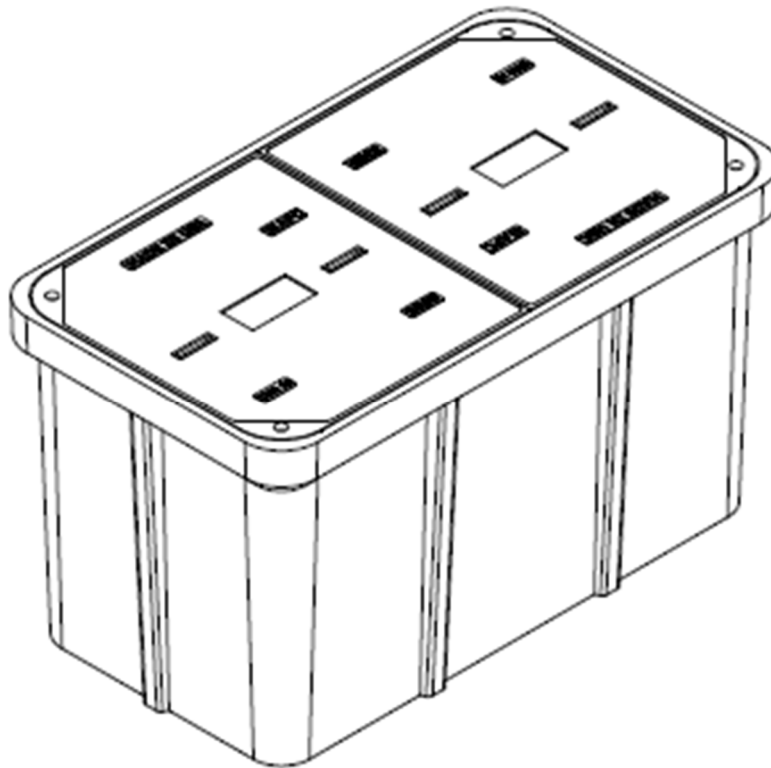
Auger Thread



33"x60" PC UNIT, 2PC TIER 15/22
36" HEIGHT



AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit - TIER 15	33"x60"x36"	Tier 15	P336036U15...	930 lbs.
PC Unit - TIER 22	33"x60"x36"	Tier 22	P336036U22...	1030 lbs.

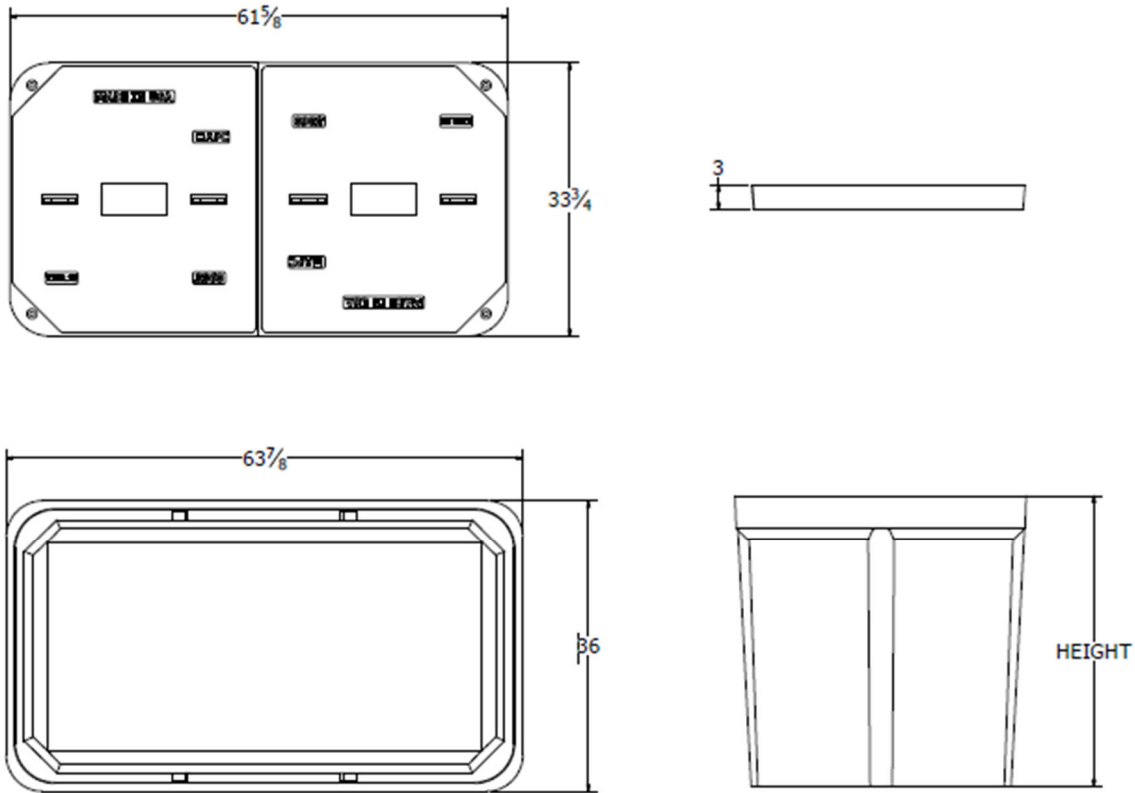


33"x60" PC UNIT, 2PC TIER 15/22

36" HEIGHT



AMERICAN POLYMER COMPANY



Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	33"x60"x36"	Tier 22	P336036B22	530 lbs.
Replacement Lids - T15	33"x60" (half)	Tier 15	Various	200 lbs.
Replacement Lids - T22	33"x60" (half)	Tier 22	Various	250 lbs.

Bolt options

Hex Head



Machine Thread



Penta Head



Auger Thread



Speed (MPH) Prior To Road Work	SIGN SPACING, FT.		Must be Approved by an Engineer				
	Non-Divided Highways	Divided Highways	BUFFER SPACE, FT.	TAPER LENGTH, FT.	CHANNELIZING SPACING, FT.		
	Length	Shoulder (10 ft. Width)	Lane (12 ft. Width)	Through Taper	Through Buffer/Work Area		
0-35	200	200	250	70	245	35	50
40-45	350	500	360	150	540	40	80
50-55	500	1000	495	185	660	50	100
60-70	SA-1000, SB-1500, SC-2640		730	235	840	60	120
	Urban Low Speed - 100 FT						

APPROVED/ACCEPTED BY:
ENGINEER, OWNER, or PRIME CONTRACTOR
 Check for Notice to Proceed.

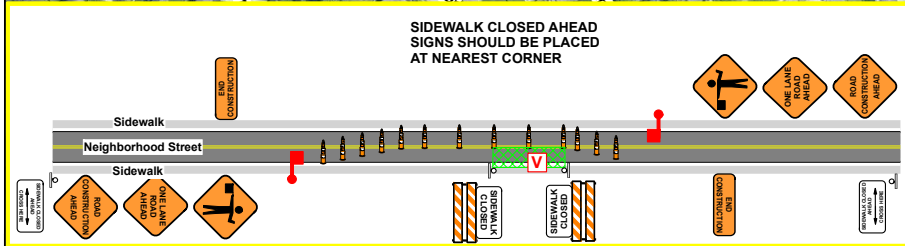
Signature: _____

Company: _____



Date: 3/12/2024 Project: BLS01a-F06 W Coolidge Dr TCP1 :
Traffic Control Suggestion For: ATLANTIC ENGINEERING (AEG) :
By: Road Runner Safety Services, Inc. : Nathan

Comments:
Drawing not to scale. Traffic control plan must be approved by an engineer. This is a suggestion only. Road Runners Safety Services, Inc. has no liability for this suggested traffic control plan. Actual placement and spacing of all traffic control devices will depend on field conditions and must conform to MUTCD standards.





Board of Public Works Staff Report

Project/Event: Installation of Door Access Controls at Bloomington Fire Station #1

Petitioner/Representative: Public Works Facilities Division

Staff Representative: J. D. Boruff, Operations and Facilities Director

Meeting Date: 6/18/24

This contract is for the installation of door access controls at Fire Station #1. This work is part of the renovations being performed currently at Fire Station #1. This will be a sole source contract. Presidio has installed, and services all hardware and software for, all door access systems throughout the City.

Staff recommends approval of this contract with Presidio Networked Solutions, LLC for the amount of \$19,667.69.

Respectfully submitted,

A handwritten signature in black ink that reads "JD Boruff".

J. D. Boruff
Operations and Facilities Director
Public Works Department

City of Bloomington Contract and Purchase Justification Form

Vendor: Presidio Networked Solutions

Contract Amount: \$19,667.69

This form should be completed and attached to the contract documents and forwarded to the Legal Department Attorney assigned to your Department. Contracts will not be approved by the Controller if a completed form is not included with the contract documents.

PURCHASE INFORMATION

1. Check the box beside the procurement method used to initiate this procurement: (Attach a quote or bid tabulation if applicable)

<input type="checkbox"/> Request for Quote (RFQ)	<input type="checkbox"/> Request for Proposal (RFP)	<input checked="" type="checkbox"/> Sole Source	<input type="checkbox"/> Not Applicable (NA)
<input type="checkbox"/> Invitation to Bid (ITB)	<input type="checkbox"/> Request for Qualifications (RFQu)	<input type="checkbox"/> Emergency Purchase	

2. List the results of procurement process. Give further explanation where requested.

	Yes	No	Was the lowest cost selected? (If no, please state below why it was not.)	Yes	No
# of Submittals: 1				<input checked="" type="checkbox"/>	<input type="checkbox"/>
Met city requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Met item or need requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Was an evaluation team used?	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Was scoring grid used?	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Were vendor presentations requested?	<input type="checkbox"/>	<input checked="" type="checkbox"/>			

3. State why this vendor was selected to receive the award and contract:

Presidio has installed and services all hardware and software for door access systems throughout the city.

J. D. Boruff

Facilities Director

Public Works

Print/Type Name

Print/Type Title

Department

AGREEMENT

BETWEEN

CITY OF BLOOMINGTON

PUBLIC WORKS DEPARTMENT

AND

PRESIDIO NETWORKED SOLUTIONS, LLC

FOR

INSTALLATION OF DOOR ACCESS CONTROLS AT BLOOMINGTON FIRE STATION #1

THIS AGREEMENT, executed by and between the City of Bloomington, Indiana, Public Works Department through the Board of Public Works (hereinafter CITY), and Presidio Networked Solutions, LLC, (hereinafter CONTRACTOR);

WITNESSETH THAT:

WHEREAS, CITY desires to retain CONTRACTOR'S services for **installation of door access controls at Bloomington Fire Station #1**, (more particularly described in Attachment A, "Scope of Work"); and

WHEREAS, CONTRACTOR is capable of performing work as per his/her Quote on the Quote Summary sheet; and

WHEREAS, in accordance with Indiana Code 5-16-13 *et seq.*, incorporated herein by reference, Contractor is a Tier 1 or General Contractor for this project; and

WHEREAS, CONTRACTOR was determined to be the lowest responsible and responsive Quoter for said project.

NOW, THEREFORE, in consideration of the mutual promises hereinafter enumerated, the parties agree as follows:

ARTICLE 1. TERM

1.01 This Agreement shall be in effect upon execution of this Agreement by all parties. In accordance with Indiana Code 5-16-13 *et seq.*, incorporated herein by reference, Contractor is a Tier 1 contractor or general contractor for this project.

ARTICLE 2. SERVICES

2.01 CONTRACTOR shall complete all work required under this Agreement within 90 days of Notice to Proceed, unless the parties mutually agree to a later completion date. Substantial Completion shall mean completion of all work.

2.02 It is hereby understood by both parties that time is of the essence in this Agreement. Failure of CONTRACTOR to complete all work as herein provided will result in monetary damages to CITY. It is hereby agreed that CITY will be damaged for every day the work has not been performed in the manner herein provided. The CITY, at its sole discretion, may withhold monies otherwise due CONTRACTOR. It is expressly understood by the parties hereto that these damages relate to the time of performance and do not limit CITY's other remedies under this Agreement, or as provided by applicable law, for other damages.

2.03 CONTRACTOR agrees that no charges or claims for damages shall be made by him for any delays or hindrances, from any cause whatsoever during the progress of any portion of the services specified in the Agreement. Such delays or hindrances, if any, may be compensated for by an extension of time for a reasonable period as may be mutually agreed upon between the parties, it being understood, however, that permitting CONTRACTOR to proceed to complete any service, or any

part of the services / project, after the date to which the time of completion may have been extended, shall in no way operate as a waiver on the part of CITY of any of its rights herein.

ARTICLE 3. COMPENSATION

3.01 CONTRACTOR shall provide services as specified in Attachment A, "Scope of Work", attached hereto and incorporated into this Agreement.

3.02 Upon the submittal of approved claims, CITY shall compensate CONTRACTOR in a lump sum not to exceed Nineteen Thousand Six Hundred Sixty Seven Dollars and Sixty Nine Cents (\$19,667.69). CITY may withhold payment, in whole or in part, to the extent necessary to protect itself from a loss on account of any of the following:

Defective work.

Evidence indicating the probable filing of claims by other parties against CONTRACTOR which may adversely affect CITY.

Failure of CONTRACTOR to make payments due to subcontractors, material suppliers or employees.

Damage to CITY or a third party.

3.03 The submission of any request for payment shall be deemed a waiver and release by CONTRACTOR of all liens and claims with respect to the work and period to which such payment request pertains except as specifically reserved and noted on such request.

3.04 CONTRACTOR shall maintain proper account records for the scope of all services of this Agreement and provide an accounting for all charges and expenditures as may be necessary for audit purposes. All such records shall be subject to inspection and examination by CITY's representatives at reasonable business hours.

3.05 For projects utilizing federal funding the CONTRACTOR shall submit time sheets (WH-347) for his own and all subcontracted employees, to City Engineer or his representative for approval and review, including review for compliance with Davis Bacon requirements, if federal funds are used.

ARTICLE 4. RETAINAGE

For contracts in excess of \$100,000 and for which Contractor requested Progressive Payments on its Quote Form, the Owner requires that retainage be held set out below.

4.01 **Escrow Agent** The retainage amount withheld shall be placed in an escrow account. First Financial Bank, Bloomington, Indiana, shall serve as the escrow agent.

4.02 **Retainage Amount** The escrow agent, Owner and Contractor shall enter into a written escrow agreement. Under that agreement, the Owner shall withhold five percent (5%) of the dollar value of all work satisfactorily completed until the Contract work is complete. The escrow agent shall invest all escrowed principal in obligations selected by the escrow agent. The escrow agent shall be compensated for the agent's services by a reasonable fee, agreed upon by the parties, that is comparable with fees charged for the handling of escrow accounts of similar size and duration. The fee shall be paid from the escrow income. The escrow agent's fee may be determined by specifying an amount of interest the escrow agent will pay on the escrowed amount, with any additional earned interest serving as the escrow agent's fee. The escrow agreement may include other terms and conditions as deemed necessary by the parties. However, if Contractor intends to receive a Single Lump Sum payment upon acceptance of this project, retainage will not be required and an Escrow Agreement will not be required.

4.03 **Payment of Escrow Amount** The escrow agent shall hold the escrowed principal and income until receipt of the notice from the Owner and Contractor that the Contract work has been substantially completed to the reasonable satisfaction of the Owner, at which time the Owner shall pay to the Contractor the balance to be paid under this Contract and execute such documents as are necessary to authorize the escrow agent to pay to the Contractor the funds in the escrow account, including both specifying the part of the escrowed principal to be released from the escrow and the person to whom that portion is to be released. After receipt of the notice, the escrow agent shall remit the designated part of the escrowed principal and the escrowed income, minus the escrow agent's fees, to the person specified in the notice.

However, nothing in this section shall prohibit Owner from requiring the escrow agent to withhold amounts necessary to complete minor items of the Contract, following substantial completion of the Contract in accordance with the provisions of paragraph 4.04.

4.04 Withholding Funds for Completion of Contract If, upon substantial completion of the Contract, there still remains minor Contract work that needs to be completed, or minor Contract work that needs to be performed to the satisfaction of the Owner, Owner may direct the escrow agent to retain in the escrow account, and withhold from payment to the Contractor, an amount equal to two hundred percent (200%) of the value of said work. The value of said work shall be determined by the architect/engineer. The escrow agent shall release the funds withheld under this section after receipt of notice from the Owner that all work on the Contract has been satisfactorily completed. In the event that said work is not completed by the Contractor, but by Owner or another party under contract with the Owner, said funds shall be released to the Owner.

ARTICLE 5. GENERAL PROVISIONS

5.01 CONTRACTOR agrees to indemnify and hold harmless CITY and its officers, agents, officials and employees for any and all claims, actions, causes of action, judgments and liens arising out of any negligent act or omission by CONTRACTOR or any of its officers, agents, officials, employees, or subcontractors or any defect in materials or workmanship of any supply, materials, mechanism or other product or service which it or any of its officers, agents, officials, employees, or subcontractors has supplied to CITY or has used in connection with this Agreement and regardless of whether or not it is caused in part by a party indemnified herein under. Such indemnity shall include attorney's fees and all costs and other expenses arising there from or incurred in connection therewith and shall not be limited by reason of the enumeration of any insurance coverage required herein.

CONTRACTOR shall indemnify and hold harmless CITY and its officers, agents, officials and employees for any and all damages, actions, costs, (including, but not limited to, attorney's fees, court costs and costs of investigation) judgments and claims by anyone for damage to property, injury or death to persons resulting from the collapse or failure of any trenches, ditches or other excavations constructed under or associated with this contract.

5.02 Abandonment, Default and Termination

5.02.01 CITY shall have the right to abandon the work contracted for in this Agreement without penalty. If CITY abandons the work described herein, CONTRACTOR shall deliver to CITY all surveys, notes, drawings, specifications and estimates completed or partially completed and these shall become the property of CITY. The earned value of the work performed shall be based upon an estimate of the proportion between the work performed by CONTRACTOR under this Agreement and the work which CONTRACTOR was obligated to perform under this Agreement. This proportion shall be mutually agreed upon by CITY and CONTRACTOR. The payment made to CONTRACTOR shall be paid as a final payment in full settlement of his services hereunder.

5.02.02 If CONTRACTOR defaults or fails to fulfill in a timely and proper manner the obligations pursuant to this Agreement, CITY may, after seven (7) days' written notice has been delivered to CONTRACTOR, and without prejudice to any other remedy it may have, make good such deficiencies and may deduct the cost thereof from the payment then or thereafter due to CONTRACTOR. In the alternative, CITY, at its option, may terminate this Agreement and take possession of the site and of all materials, equipment, tools and construction equipment and machinery thereon owned by CONTRACTOR, and may finish the project by whatever method it may deem expedient, and if the such action exceeds the unpaid balance of the sum amount, CONTRACTOR or his surety, shall pay the difference to CITY.

5.02.03 Default: If CONTRACTOR breaches this Agreement or fails to perform the work in an acceptable manner, he shall be considered in default. Any one or more of the following will be considered a default:

Failure to begin the work under this Agreement within the time specified.

Failure to perform the work with sufficient supervision, workmen, equipment and materials to insure prompt completion of said work within the time limits allowed.

Unsuitable performance of the work as determined by CITY ENGINEER or his representative.

Neglecting or refusing to remove defective materials or failure to perform anew such work as shall have been rejected.

Discontinuing the prosecution of the work or any part of it.

Inability to finance the work adequately.

If, for any other reason, CONTRACTOR breaches this Agreement or fails to carry on the work in an acceptable manner.

5.02.04 CITY shall send CONTRACTOR a written notice of default. If CONTRACTOR, or his Surety, within a period of ten (10) days after such notice, fails to remedy the default, then CITY shall have full power and authority, without violation of the Contract, to take the prosecution of the work out of the hands of said CONTRACTOR, to appropriate or use any or all materials and equipment on the ground as may be suitable and acceptable, and may, at its option, turn the work over to the Surety, or enter into an agreement with another Contractor for the completion of the Agreement according to the terms and provisions thereof, or CITY may use such other methods as, in its opinion, shall be required for the completion of said Contract in an acceptable manner.

5.02.05 All cost of completing the work under the Contract shall be deducted from the monies due or which may become due to said CONTRACTOR. In case the expenses so incurred by CITY shall be less than the sum which would have been payable under the Contract if it had been completed by said CONTRACTOR, CONTRACTOR shall be entitled to receive the difference. However, in case such expense shall exceed the sum which would have been payable under the Contract, CONTRACTOR and his Surety will be liable and shall pay to CITY the amount of said excess. By taking over the prosecution of the work, CITY does not forfeit the right to recover damages from CONTRACTOR or his Surety for his failure to complete the work in the time specified.

5.02.06 Notwithstanding any other provision of this Agreement, if funds for the continued fulfillment of the Agreement by CITY are at any time not forthcoming or are insufficient, through failure of any entity to appropriate the funds or otherwise, then CITY shall have the right to terminate this Agreement without penalty by giving prior written notice documenting the lack of funding in which instance, unless otherwise agreed to by the parties, this Agreement shall terminate and become null and void.

5.02.07 CITY agrees that it will make its best effort to obtain sufficient funds, including but not limited to, including in its budget for each fiscal period during the term hereof a request for sufficient funds to meet its obligations hereunder in full.

5.03 Successors and Assigns

5.03.01 Both parties agree that for the purpose of this Agreement, CONTRACTOR shall be an Independent Contractor and not an employee of CITY.

5.03.02 No portion of this Agreement shall be sublet, assigned, transferred or otherwise disposed of by CONTRACTOR except with the written consent of CITY being first obtained. Consent to sublet, assign, transfer, or otherwise dispose of any portion of this Agreement shall not be construed to relieve CONTRACTOR of any responsibility of the fulfillment of this Agreement.

5.04 Extent of Agreement: Integration

5.04.01 This Agreement consists of the following parts, each of which is as fully a part of this Agreement as if set out herein:

1. This Agreement and its Attachments.
2. All Written Amendments and other documents amending, modifying, or supplementing the Contract Documents which may be delivered or issued after the Effective Date of the Agreement and are not attached hereto.
3. All Addenda to the Quote Documents.
4. The Invitation to Quoters.
5. The Instructions to Quoters.
6. The Special Conditions.
7. All plans as provided for the work that is to be completed.
8. The Supplementary Conditions.
9. The General Conditions.
10. The Specifications.
11. The current Indiana Department of Transportation Standard Specifications and the latest addenda.
12. CONTRACTOR'S submittals.
13. The Performance Bond and the Payment Bond.
14. The Escrow Agreement.

15. Request for Taxpayer Identification number and certification: Substitute W-9.

5.04.02 In resolving conflicts, errors, discrepancies and disputes concerning the Scope of Work to be performed by CONTRACTOR, and other rights and obligations of CITY and CONTRACTOR, the document expressing the greater quantity, quality or other scope of work in question, or imposing the greater obligation upon CONTRACTOR and affording the greater right or remedy to CITY shall govern; otherwise the documents shall be given precedence in the order as enumerated above.

5.05 Insurance

5.05.01

CONTRACTOR shall, as a prerequisite to this Agreement, purchase and thereafter maintain such insurance as will protect him from the claims set forth below which may arise out of or result from CONTRACTOR'S operations under this Agreement, whether such operations be by CONTRACTOR or by any SUBCONTRACTORS or by anyone directly or indirectly employed by any of them, or by anyone for whose acts any of them may be liable:

<u>Coverage</u>	<u>Limits</u>
A. Worker's Compensation & Disability	Statutory Requirements
B. Employer's Liability Bodily Injury by Accident	\$100,000 each accident
Bodily Injury by Disease	\$500,000 policy limit
Bodily Injury by Disease	\$100,000 each employee
C. Commercial General Liability (Occurrence Basis) Bodily Injury, personal injury, property damage, contractual liability, products-completed operations, General Aggregate Limit (other than Products/Completed Operations)	\$1,000,000 per occurrence and \$2,000,000 in the aggregate
Products/Completed Operation	\$1,000,000
Personal & Advertising Injury Limit	\$1,000,000
Each Occurrence Limit	\$1,000,000
Fire Damage (any one fire)	\$50,000
D. Comprehensive Auto Liability (single limit, owned, hired and non-owned)	\$1,000,000 each accident
Bodily injury and property damage	
E. Umbrella Excess Liability	\$5,000,000 each occurrence and aggregate
The Deductible on the Umbrella Liability shall not be more than	\$10,000

5.05.02 CONTRACTOR'S comprehensive general liability insurance shall also provide coverage for the following:

Premises and operations;

Contractual liability insurance as applicable to any hold-harmless agreements;

Completed operations and products; which also must be maintained for a minimum period of two (2) years after final payment and CONTRACTOR shall continue to provide evidence of such coverage to CITY on an annual basis during the aforementioned period;

Broad form property damage - including completed operations;

Fellow employee claims under Personal Injury; and

Independent Contractors.

5.05.03 With the prior written approval of CITY, CONTRACTOR may substitute different types or amounts of coverage for those specified as long as the total amount of required protection is not reduced.

5.05.04 Certificates of Insurance showing such coverage then in force (but not less than the amount shown above) shall be on file with CITY prior to commencement of work. These Certificates shall contain a provision that coverage afforded under the policies will not be canceled or non-renewed until at least sixty (60) days' prior written notice has been received by CITY. The CITY shall be named as an additional insured on the Commercial General Liability, Automobile Liability, and Umbrella Excess Liability policies. The CONTRACTOR shall agree to a waiver of subrogation on its Worker's Compensation policy.

5.06 Necessary Documentation CONTRACTOR certifies that it will furnish CITY any and all documentation, certification, authorization, license, permit or registration required by the laws or rules and regulations of the City of Bloomington, the State of Indiana and the United States. CONTRACTOR further certifies that it is now and will maintain in good standing with such governmental agencies and that it will keep its license, permit registration, authorization or certification in force during the term of this Agreement.

5.07 Applicable Laws CONTRACTOR agrees to comply with all federal, state, and local laws, rules and regulations applicable to CONTRACTOR in performing work pursuant to this Agreement, including, but not limited to, discrimination in employment, prevailing wage laws, conflicts of interest, public notice, accounting records and requirements. This Agreement shall be governed by the laws of the United States, and the State of Indiana, and by all Municipal Ordinances and Codes of the City of Bloomington. Venue of any disputes arising under this Agreement shall be in the Monroe Circuit Court, Monroe County, Indiana.

5.08 Non-Discrimination

5.08.01 CONTRACTOR and subcontractors shall not discriminate against any employee or applicant for employment, to be employed in the performance of this Agreement, with respect to hire, tenure, terms, training, conditions or privileges of employment, because of race, sex, color, religion, national origin, ancestry, disability, sexual orientation, gender identity, veteran status, or housing status.

Contractor shall comply with City of Bloomington Ordinance 2.21.020 and all other federal, state and local laws and regulations governing non-discrimination, including but not limited to employment.

Contractor understands that the City of Bloomington prohibits its employees from engaging in harassment or discrimination of any kind, including harassing or discriminating against independent contractors doing work for the City. If the Contractor believes that a City employee engaged in such conduct towards Contractor and/or any of its employees, Contractor or its employees may file a complaint with the City department head in charge of the Contractor's work and/or with the City human resources department or the Bloomington Human Rights Commission. The City takes all complaints of harassment and discrimination seriously and will take appropriate disciplinary action if it finds that any City employee engaged in such prohibited conduct.

Breach of this covenant may be regarded as a material breach of the Agreement.

5.08.02 CONTRACTOR certifies for itself and all its subcontractors compliance with existing laws of the City of Bloomington, the State of Indiana and the United States regarding:

Prohibition of discrimination in employment practices on the basis of race, sex, color, religion, national origin, ancestry, disability, sexual orientation, gender identity, veteran status, housing status, or any other legally protected classification;

The utilization of Minority and Women Business Enterprises. CONTRACTOR further certifies that it:

- a. Has formulated its own Affirmation Action plan for the recruitment, training and employment of minorities and women, including goals and timetable; which has been approved by the City's Contract Compliance Officer.
- b. Encourages the use of small business, minority-owned business and women-owned business in its operations.

5.08.03 FURTHER, PURSUANT TO INDIANA CODE 5-16-6-1, CONTRACTOR AGREES:

- A) That in the hiring of employees for the performance of work under this Agreement or any sub agreement hereunder, no contractor, or subcontractor, nor any person acting on behalf of such CONTRACTOR or subcontractor, shall by reason of race, sex, color, religion, national origin, ancestry, or any other legally protected classification, discriminate against any citizen of the State of Indiana who is qualified and available to perform the work to which the employment relates.
- B) That no contractor, subcontractor, or any person on their behalf, shall, in any manner, discriminate against or intimidate any employee hired for performance of work under this Agreement on account of race, religion, color, sex, national origin, ancestry, or any other legally protected classification.
- C) That there may be deducted from the amount payable to CONTRACTOR, by CITY, under this Agreement, penalty of Five Dollars (\$5.00) for each person for each calendar day during which such person was discriminated against or intimidated in violation of the provisions of this Agreement. Any such person discriminated against retains the right to file a discrimination complaint with the appropriate civil rights agency or court.
- D) That this Agreement may be canceled or terminated by CITY and all money due or to become hereunder may be forfeited, for a second or any subsequent violations of the terms or conditions under this section of the Agreement.

5.09 Workmanship and Quality of Materials

5.09.01 CONTRACTOR shall guarantee the work for a period of one (1) year from the date of substantial completion. Failure of any portion of the work within one (1) year due to improper construction, materials of construction, or design may result in a refund to CITY of the purchase price of that portion which failed or may result in the forfeiture of CONTRACTOR's Performance Bond.

5.09.02 OR EQUAL: Wherever in any of the Agreement Documents an article, material or equipment is defined by describing a proprietary product, or by using the name of a manufacturer or vender, the term "Or Equal" or the term "The Equivalent" if not inserted, shall be implied, and it is done for the express purpose of establishing a basis of durability and efficiency and not for the purpose of limiting completion. Whenever material or equipment is submitted for approval as being equal to that specified, the submittal shall include sufficient information and data to demonstrate that the material or equipment conforms to the Contract requirements. The decision as to whether or not such material or equipment is equal to that specified shall be made by the ENGINEER. The approval by the ENGINEER of alternate material or equipment as being equivalent to that specified, shall not in any way relieve CONTRACTOR of responsibility for failure of the material or equipment due to faulty design, material, or workmanship, to perform the function required by the Contract Documents. Specifications as determined by other entities within the City of Bloomington such as City Utilities shall only be substituted or changed by their approval which shall be submitted in writing to the ENGINEER.

5.09.03 CITY shall be the sole judge of the sufficiency of workmanship and quality of materials. Disputes shall be resolved by the City Engineer and are not subject to arbitration.

5.10 Safety. CONTRACTOR shall be responsible for the safety of employees at all times and shall provide all equipment necessary to insure their safety. CONTRACTOR shall ensure the enforcement of all applicable safety rules, regulations, ordinances and laws, whether federal, state or local. Contractor's Superintendent of Safety shall make daily inspections upon the arrival and leaving of the site at the close of each workday.

5.11 Amendments/Changes

5.11.01 Except as provided in Paragraph 5.11.02, this Agreement may be amended only by written instrument signed by both CITY and CONTRACTOR.

5.11.02 Without invalidating the Agreement and without notice to any surety, CITY may, at any time or from time to time, order, in writing, additions, deletions, or revisions in the work. Upon receipt of any such document, CONTRACTOR shall promptly proceed with the work involved, which will be performed under the applicable conditions of the Agreement Documents.

5.11.03 If CONTRACTOR believes that any direction of CITY under paragraph 5.11.02, or any other event or condition, will result in an increase in the Contract time or price, he shall file written notice with CITY no later than twenty (20) calendar days after the occurrence of the event giving rise to the claim and stating the general nature of the claim with supporting data. No claim for any adjustment of the Contract time or price will be valid if not submitted in accordance with this Paragraph.

5.11.04 CONTRACTOR shall carry on the work and adhere to the progress schedule during all disputes or disagreements with CITY. No work shall be delayed or postponed pending resolution of any dispute or disagreement except as CONTRACTOR and CITY may otherwise agree in writing.

5.12 Performance Bond and Payment Bond

5.12.01 For contracts in excess of \$100,000, CONTRACTOR shall provide CITY with both a Performance Bond and a Payment Bond in the amount of one hundred percent (100%) of the contract amount.

5.12.02 Failure by CONTRACTOR to perform the work in a timely or satisfactory fashion may result in forfeiture of CONTRACTOR'S Performance Bond.

5.12.03 Failure by CONTRACTOR to pay for labor and services performed, material furnished or services rendered may result in forfeiture of CONTRACTOR's Payment Bond.

5.12.04 If the surety on any bond furnished by CONTRACTOR becomes a party to supervision, liquidation, or rehabilitation action pursuant Indiana Code 27-9 et seq. or its right to do business in the State of Indiana is terminated, CONTRACTOR shall, within thirty (30) calendar days thereafter, substitute another bond and surety, both of which must be acceptable to CITY.

5.13 Payment of Subcontractors CONTRACTOR shall pay all subcontractors, laborers, material suppliers and those performing services to CONTRACTOR on the project under this Agreement. CITY may, as a condition precedent to any payment hereunder, require CONTRACTOR to submit satisfactory evidence of payments of any and all claims of subcontractors, laborers, material suppliers, and those furnishing services to CONTRACTOR. Upon receipt of a lawful claim, CITY shall withhold money due to CONTRACTOR in a sufficient amount to pay the subcontractors, laborers, material suppliers, and those furnishing services to CONTRACTOR.

5.13.01 The surety of the Payment Bond may not be released until one (1) year after the Board's final settlement with the CONTRACTOR.

5.14 Written Notice Written notice shall be considered as served when delivered in person or sent by mail to the individual, firm, or corporation, or to the last business address of such known to CONTRACTOR who serves the Notice. Notice shall be sent as follows:

TO CITY:

TO CONTRACTOR:

City of Bloomington	Presidio Networked Solutions, LLC
Attn: J. D. Boruff, Facilities Director	Attn: James Dilbone
P.O. Box 100 Suite 120	9455 Delegates Row
Bloomington, Indiana 47402	Indianapolis, IN 46240

5.15 Severability and Waiver In the event that any clause or provision of this Agreement is held to be invalid by any court of competent jurisdiction, the invalidity of such clause or provision shall not affect any other provision of this Agreement. Failure of either party to insist on strict compliance with any provision of this Agreement shall not constitute waiver of that party's right to demand later compliance with the same or other provisions of this Agreement.

5.16 Notice to Proceed CONTRACTOR shall not begin the work pursuant to the "Scope of Work" of this Agreement until it receives an official written Notice to Proceed from the City. Contractor shall start active and continuous work on the Agreement within fifteen (15) calendar days after the date of the Notice to Proceed. In no case shall work begin prior to the date of the Notice to Proceed. If a delayed starting date is indicated in the proposal, the fifteen (15) calendar day limitation will be waived. Work day charges will then begin on a date mutually agreed upon, but not later than the delayed starting date specified. In the event that any Agreement is canceled after an award has been made but prior to the issuing of the Notice to Proceed, no reimbursement will be made for any expenses accrued relative to this contract during that period.

5.17 Steel or Foundry Products

5.17.01 To comply with Indiana Code 5-16-8, affecting all contracts for the construction, reconstruction, alteration, repair, improvement or maintenance of public works, the following provision shall be added: If steel or foundry products are to be utilized or supplied in the performance of any contract or subcontract, only domestic steel or foundry products shall be used. Should CITY feel that the cost of domestic steel or foundry products is unreasonable; CITY will notify CONTRACTOR in writing of this fact.

5.17.02 Domestic Steel products are defined as follows:

"Products rolled, formed, shaped, drawn, extruded, forged, cast, fabricated or otherwise similarly processed, or processed by a combination of two (2) or more of such operations, from steel made in the United States by open hearth, basic oxygen, electric furnace, Bessemer or other steel making process."

5.17.03 Domestic Foundry products are defined as follows:

"Products cast from ferrous and nonferrous metals by foundries in the United States."

5.17.04 The United States is defined to include all territory subject to the jurisdiction of the United States.

5.17.05 CITY may not authorize or make any payment to CONTRACTOR unless CITY is satisfied that CONTRACTOR has fully complied with this provision.

5.18 Verification of Employees' Immigration Status

Contractor is required to enroll in and verify the work eligibility status of all newly-hired employees through the E-Verify program. (This is not required if the E-Verify program no longer exists). Contractor shall sign an affidavit, attached as Attachment B, affirming that Contractor does not knowingly employ an unauthorized alien. "Unauthorized alien" is defined at 8 U.S. Code 1324a(h)(3) as a person who is not a U.S. citizen or U.S. national and is not lawfully admitted for permanent residence or authorized to work in the U.S. under 8 U.S. Code Chapter 12 or by the U.S. Attorney General.

Contractor and any of its subcontractors may not knowingly employ or contract with an unauthorized alien, or retain an employee or contract with a person that the Contractor or any of its subcontractors learns is an unauthorized alien. If the City obtains information that the Contractor or any of its subcontractors employs or retains an employee who is an unauthorized alien, the City shall notify the Contractor or its subcontractors of the Agreement violation and require that the violation be remedied within thirty (30) calendar days of the date of notice. If the Contractor or any of its subcontractors verify the work eligibility status of the employee in question through the E-Verify program, there is a rebuttable presumption that the Contractor or its subcontractor did not knowingly employ an unauthorized alien. If the Contractor or its subcontractor fails to remedy the violation within the thirty (30) calendar day period, the City shall terminate the Agreement, unless the City determines that terminating the Agreement would be detrimental to the public interest or public property, in which case the City may allow the Agreement to remain in effect until the City procures a new contractor. If the City terminates the Agreement, the Contractor or its subcontractor is liable to the City for actual damages.

Contractor shall require any subcontractors performing work under this Agreement to certify to the Contractor that, at the time of certification, the subcontractor does not knowingly employ or contract with an unauthorized alien and the subcontractor has enrolled in and is participating in the E-Verify program. Contractor shall maintain on file all subcontractors' certifications throughout the term of this Agreement with the City.

5.19 Non-Collusion

Contractor is required to certify that it has not, nor has any other member, representative, or agent of Contractor, entered into any combination, collusion or agreement with any person relative to the price to be offered by any person nor prevented any person from making an offer nor induced anyone to refrain from making an offer and that this offer is made without reference to any other offer. Contractor shall swear under oath, via signed affidavit, attached as Attachment C and by this reference incorporated herein, that Contractor has not engaged in any collusive conduct.

IN WITNESS WHEREOF, the parties of this Agreement have hereunto set their hands.

DATE: _____

City of Bloomington
Bloomington Board of Public Works

Presidio Networked Solutions, LLC

BY:

BY:

Kyla Cox Deckard, President

Contractor Representative

Elizabeth Karon, Member

Printed Name

Jim Roach, Member

Title of Contractor Representative

Kerry Thomson, Mayor of Bloomington

ATTACHMENT 'A'

"SCOPE OF WORK"

Installation of door access controls at Bloomington Fire Station #1

This project shall include, but is not limited to:

1. Contractor will provide and install access control readers, access control power supply, and control boards.
2. Owner will supply, install all wire and raceway.
3. Owner will supply and install all door hardware.
4. Contractor will terminate access control wires in cabinet.
5. Contractor will program doors into existing access control software and test door functions.
6. Pin Codes for readers will be supplied by owner.
7. Network will be supplied by owner.

Contractor will provide the following materials:

1 @ FPO150-B100M8NL4E4M

1 @ LNL-X2220 Intelligent Dual Reader Controller powered by 12 or 24 VDC @ 500mA (w/o Rdr Power),, size (6in (152mm) W x 8in (203mm) L x 1in (25mm)H); 6 MB standard cardholder flash memory, 50,000 of event memory, maximum of 32 devices, On-board Ethernet, Dual Path c

3 @ LNL-1320-S3 Dual Reader Interface Module (Series 3 Supports OSDP Readers) 12/24 VDC, 2 Reader interface, W/M, 8 inputs, 6 (5A) form C relays , RoHS, CE, CTick and UL294 certified

8 @ 40KNKS-00-000000 SIGNO 40K,BLK/SLVR,PIG,CRD PFL STD,MA

MISC-PhySec-CONSUMABLE Physical Security / AV Consumable Supplies

1 @ PS-SVC-PHYSEC-FF Physical Security Presidio Professional Services Fixed Fee

ATTACHMENT C

NON-COLLUSION AFFIDAVIT

The undersigned offeror or agent, being duly sworn on oath, says that he has not, nor has any other member, representative, or agent of the firm, company, corporation or partnership represented by him, entered into any combination, collusion or agreement with any person relative to the price to be offered by any person nor to prevent any person from making an offer nor to induce anyone to refrain from making an offer and that this offer is made without reference to any other offer.

OATH AND AFFIRMATION

I affirm under the penalties of perjury that the foregoing facts and information are true and correct to the best of my knowledge and belief.

Dated this _____ day of _____, 20____.

(Name of Organization)

By: _____

(Name and Title of Person Signing)

STATE OF INDIANA)
) SS:
COUNTY OF _____)

Subscribed and sworn to before me this _____ day of _____, 20____.

My Commission Expires: _____
Notary Public Signature

Resident of _____ County
Printed Name

Commission Number



Board of Public Works Staff Report

Project/Event: Secured Electric Vehicle Parking and Training Facility at BPD Training Annex

Petitioner/Representative: Public Works Facilities Division

Staff Representative: J. D. Boruff, Operations and Facilities Director

Meeting Date: 6/18/2024

The Bloomington Police Department has need of a secure outdoor location to store electric vehicles and other items that might be hazardous to store inside of a building. The design of the facility will also allow this area to be used for forced entry training, as well as training opportunities for the Bloomington Fire Department. It will be 30 feet by 40 feet with concrete barricade walls on three sides and a concrete floor. The fourth side will be open to allow vehicles to be pulled into it. It will not have a roof. The floor of the facility will have sockets to receive wooden posts used to hold simulated walls and doorways for training purposes. A ten foot chain link fence surrounding the facility will be installed under a separate contract that will come before the board at a later date.

Three quotes were solicited for this project. They are as follows:

Grade-On Excavating Services, LLC	\$30,590.73
Ann-Kriss, LLC	\$39,978.00
True North Construction	\$26,500.00

Staff recommends awarding the contract to True North for \$26,500.00

Respectfully submitted,

A handwritten signature in black ink that reads "J. D. Boruff".

J. D. Boruff
Operations and Facilities Director
Public Works Department

City of Bloomington Contract and Purchase Justification Form

Vendor: True North Construction

Contract Amount: \$26,500.00

This form should be completed and attached to the contract documents and forwarded to the Legal Department Attorney assigned to your Department. Contracts will not be approved by the Controller if a completed form is not included with the contract documents.

PURCHASE INFORMATION

1. Check the box beside the procurement method used to initiate this procurement: (Attach a quote or bid tabulation if applicable)

<input type="checkbox"/> Request for Quote (RFQ)	<input type="checkbox"/> Request for Proposal (RFP)	<input type="checkbox"/> Sole Source	<input checked="" type="checkbox"/> Not Applicable (NA)
<input type="checkbox"/> Invitation to Bid (ITB)	<input type="checkbox"/> Request for Qualifications (RFQu)	<input type="checkbox"/> Emergency Purchase	

2. List the results of procurement process. Give further explanation where requested.

	Yes	No		Yes	No
# of Submittals: 3			Was the lowest cost selected? (If no, please state below why it was not.)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Met city requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Met item or need requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Was an evaluation team used?	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Was scoring grid used?	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Were vendor presentations requested?	<input type="checkbox"/>	<input checked="" type="checkbox"/>			

3. State why this vendor was selected to receive the award and contract:

The Bloomington Police Department has need of a secure outdoor location to store electric vehicles and other items that might be hazardous to store inside of a building. The design of the facility will also allow this area to be used for forced entry training, as well as training opportunities for the Bloomington Fire Department. It will be 30 feet by 40 feet with concrete barricade walls on three sides and a concrete floor. The fourth side will be open to allow vehicles to be pulled into it. It will not have a roof. The floor of the facility will have sockets to receive wooden posts used to hold simulated walls and doorways for training purposes.

Three quotes were solicited for this project. They are as follows:

Grade-On Excavating Services, LLC \$30,590.73
 Ann-Kriss, LLC \$39,978.00
 True North Construction \$26,500.00

J. D. Boruff

Print/Type Name

Facilities Director

Print/Type Title

Public Works

Department

AGREEMENT

BETWEEN

CITY OF BLOOMINGTON

PUBLIC WORKS DEPARTMENT

AND

TRUE NORTH CONSTRUCTION, Inc.

FOR

SECURED ELECTRIC VEHICLE STORAGE AND TRAINING FACILITY

THIS AGREEMENT, executed by and between the City of Bloomington, Indiana, Public Works Department through the Board of Public Works (hereinafter CITY), and True North Construction, Inc., (hereinafter CONTRACTOR);

WITNESSETH THAT:

WHEREAS, CITY desires to retain CONTRACTOR'S services for **construction of a Secure Electric Vehicle Storage and Training Facility**, (more particularly described in Attachment A, "Scope of Work"); and

WHEREAS, CONTRACTOR is capable of performing work as per his/her Quote on the Quote Summary sheet; and

WHEREAS, in accordance with Indiana Code 5-16-13 *et seq.*, incorporated herein by reference, Contractor is a Tier 1 or General Contractor for this project; and

WHEREAS, CONTRACTOR was determined to be the lowest responsible and responsive Quoter for said project.

NOW, THEREFORE, in consideration of the mutual promises hereinafter enumerated, the parties agree as follows:

ARTICLE 1. TERM

1.01 This Agreement shall be in effect upon execution of this Agreement by all parties. In accordance with Indiana Code 5-16-13 *et seq.*, incorporated herein by reference, Contractor is a Tier 1 contractor or general contractor for this project.

ARTICLE 2. SERVICES

2.01 CONTRACTOR shall complete all work required under this Agreement within 45 days of Notice to Proceed, unless the parties mutually agree to a later completion date. Substantial Completion shall mean completion of all work.

2.02 It is hereby understood by both parties that time is of the essence in this Agreement. Failure of CONTRACTOR to complete all work as herein provided will result in monetary damages to CITY. It is hereby agreed that CITY will be damaged for every day the work has not been performed in the manner herein provided. The CITY, at its sole discretion, may withhold monies otherwise due CONTRACTOR. It is expressly understood by the parties hereto that these damages relate to the time of performance and do not limit CITY's other remedies under this Agreement, or as provided by applicable law, for other damages.

2.03 CONTRACTOR agrees that no charges or claims for damages shall be made by him for any delays or hindrances, from any cause whatsoever during the progress of any portion of the services specified in the Agreement. Such delays or hindrances, if any, may be compensated for by an extension of time for a reasonable period as may be mutually agreed upon between the parties, it being understood, however, that permitting CONTRACTOR to proceed to complete any

service, or any part of the services / project, after the date to which the time of completion may have been extended, shall in no way operate as a waiver on the part of CITY of any of its rights herein.

ARTICLE 3. COMPENSATION

3.01 CONTRACTOR shall provide services as specified in Attachment A, "Scope of Work", attached hereto and incorporated into this Agreement.

3.02 Upon the submittal of approved claims, CITY shall compensate CONTRACTOR in a lump sum not to exceed Twenty Six Thousand Five Hundred Dollars (\$26,500.00). CITY may withhold payment, in whole or in part, to the extent necessary to protect itself from a loss on account of any of the following:

Defective work.

Evidence indicating the probable filing of claims by other parties against CONTRACTOR which may adversely affect CITY.

Failure of CONTRACTOR to make payments due to subcontractors, material suppliers or employees.

Damage to CITY or a third party.

3.03 The submission of any request for payment shall be deemed a waiver and release by CONTRACTOR of all liens and claims with respect to the work and period to which such payment request pertains except as specifically reserved and noted on such request.

3.04 CONTRACTOR shall maintain proper account records for the scope of all services of this Agreement and provide an accounting for all charges and expenditures as may be necessary for audit purposes. All such records shall be subject to inspection and examination by CITY's representatives at reasonable business hours.

3.05 For projects utilizing federal funding the CONTRACTOR shall submit time sheets (WH-347) for his own and all subcontracted employees, to City Engineer or his representative for approval and review, including review for compliance with Davis Bacon requirements, if federal funds are used.

ARTICLE 4. RETAINAGE

For contracts in excess of \$100,000 and for which Contractor requested Progressive Payments on its Quote Form, the Owner requires that retainage be held set out below.

4.01 Escrow Agent The retainage amount withheld shall be placed in an escrow account. First Financial Bank, Bloomington, Indiana, shall serve as the escrow agent.

4.02 Retainage Amount The escrow agent, Owner and Contractor shall enter into a written escrow agreement. Under that agreement, the Owner shall withhold five percent (5%) of the dollar value of all work satisfactorily completed until the Contract work is complete. The escrow agent shall invest all escrowed principal in obligations selected by the escrow agent. The escrow agent shall be compensated for the agent's services by a reasonable fee, agreed upon by the parties, that is comparable with fees charged for the handling of escrow accounts of similar size and duration. The fee shall be paid from the escrow income. The escrow agent's fee may be determined by specifying an amount of interest the escrow agent will pay on the escrowed amount, with any additional earned interest serving as the escrow agent's fee. The escrow agreement may include other terms and conditions as deemed necessary by the parties. However, if Contractor intends to receive a Single Lump Sum payment upon acceptance of this project, retainage will not be required and an Escrow Agreement will not be required.

4.03 Payment of Escrow Amount The escrow agent shall hold the escrowed principal and income until receipt of the notice from the Owner and Contractor that the Contract work has been substantially completed to the reasonable satisfaction of the Owner, at which time the Owner shall pay to the Contractor the balance to be paid under this Contract and execute such documents as are necessary to authorize the escrow agent to pay to the Contractor the funds in the escrow account, including both specifying the part of the escrowed principal to be released from the escrow and the person to whom that portion is to be released. After receipt of the notice, the escrow agent shall remit the designated part of the escrowed principal and the escrowed income, minus the escrow agent's fees, to the person specified in the notice.

However, nothing in this section shall prohibit Owner from requiring the escrow agent to withhold amounts necessary to complete minor items of the Contract, following substantial completion of the Contract in accordance with the provisions of paragraph 4.04.

4.04 Withholding Funds for Completion of Contract If, upon substantial completion of the Contract, there still remains minor Contract work that needs to be completed, or minor Contract work that needs to be performed to the satisfaction of the Owner, Owner may direct the escrow agent to retain in the escrow account, and withhold from payment to the Contractor, an amount equal to two hundred percent (200%) of the value of said work. The value of said work shall be determined by the architect/engineer. The escrow agent shall release the funds withheld under this section after receipt of notice from the Owner that all work on the Contract has been satisfactorily completed. In the event that said work is not completed by the Contractor, but by Owner or another party under contract with the Owner, said funds shall be released to the Owner.

ARTICLE 5. GENERAL PROVISIONS

5.01 CONTRACTOR agrees to indemnify and hold harmless CITY and its officers, agents, officials and employees for any and all claims, actions, causes of action, judgments and liens arising out of any negligent act or omission by CONTRACTOR or any of its officers, agents, officials, employees, or subcontractors or any defect in materials or workmanship of any supply, materials, mechanism or other product or service which it or any of its officers, agents, officials, employees, or subcontractors has supplied to CITY or has used in connection with this Agreement and regardless of whether or not it is caused in part by a party indemnified herein under. Such indemnity shall include attorney's fees and all costs and other expenses arising there from or incurred in connection therewith and shall not be limited by reason of the enumeration of any insurance coverage required herein.

CONTRACTOR shall indemnify and hold harmless CITY and its officers, agents, officials and employees for any and all damages, actions, costs, (including, but not limited to, attorney's fees, court costs and costs of investigation) judgments and claims by anyone for damage to property, injury or death to persons resulting from the collapse or failure of any trenches, ditches or other excavations constructed under or associated with this contract.

5.02 Abandonment, Default and Termination

5.02.01 CITY shall have the right to abandon the work contracted for in this Agreement without penalty. If CITY abandons the work described herein, CONTRACTOR shall deliver to CITY all surveys, notes, drawings, specifications and estimates completed or partially completed and these shall become the property of CITY. The earned value of the work performed shall be based upon an estimate of the proportion between the work performed by CONTRACTOR under this Agreement and the work which CONTRACTOR was obligated to perform under this Agreement. This proportion shall be mutually agreed upon by CITY and CONTRACTOR. The payment made to CONTRACTOR shall be paid as a final payment in full settlement of his services hereunder.

5.02.02 If CONTRACTOR defaults or fails to fulfill in a timely and proper manner the obligations pursuant to this Agreement, CITY may, after seven (7) days' written notice has been delivered to CONTRACTOR, and without prejudice to any other remedy it may have, make good such deficiencies and may deduct the cost thereof from the payment then or thereafter due to CONTRACTOR. In the alternative, CITY, at its option, may terminate this Agreement and take possession of the site and of all materials, equipment, tools and construction equipment and machinery thereon owned by CONTRACTOR, and may finish the project by whatever method it may deem expedient, and if the such action exceeds the unpaid balance of the sum amount, CONTRACTOR or his surety, shall pay the difference to CITY.

5.02.03 Default: If CONTRACTOR breaches this Agreement or fails to perform the work in an acceptable manner, he shall be considered in default. Any one or more of the following will be considered a default:

Failure to begin the work under this Agreement within the time specified.

Failure to perform the work with sufficient supervision, workmen, equipment and materials to insure prompt completion of said work within the time limits allowed.

Unsuitable performance of the work as determined by CITY ENGINEER or his representative.

Neglecting or refusing to remove defective materials or failure to perform anew such work as shall have been rejected.

Discontinuing the prosecution of the work or any part of it.

Inability to finance the work adequately.

If, for any other reason, CONTRACTOR breaches this Agreement or fails to carry on the work in an acceptable manner.

5.02.04 CITY shall send CONTRACTOR a written notice of default. If CONTRACTOR, or his Surety, within a period of ten (10) days after such notice, fails to remedy the default, then CITY shall have full power and authority, without violation of the Contract, to take the prosecution of the work out of the hands of said CONTRACTOR, to appropriate or use any or all materials and equipment on the ground as may be suitable and acceptable, and may, at its option, turn the work over to the Surety, or enter into an agreement with another Contractor for the completion of the Agreement according to the terms and provisions thereof, or CITY may use such other methods as, in its opinion, shall be required for the completion of said Contract in an acceptable manner.

5.02.05 All cost of completing the work under the Contract shall be deducted from the monies due or which may become due to said CONTRACTOR. In case the expenses so incurred by CITY shall be less than the sum which would have been payable under the Contract if it had been completed by said CONTRACTOR, CONTRACTOR shall be entitled to receive the difference. However, in case such expense shall exceed the sum which would have been payable under the Contract, CONTRACTOR and his Surety will be liable and shall pay to CITY the amount of said excess. By taking over the prosecution of the work, CITY does not forfeit the right to recover damages from CONTRACTOR or his Surety for his failure to complete the work in the time specified.

5.02.06 Notwithstanding any other provision of this Agreement, if funds for the continued fulfillment of the Agreement by CITY are at any time not forthcoming or are insufficient, through failure of any entity to appropriate the funds or otherwise, then CITY shall have the right to terminate this Agreement without penalty by giving prior written notice documenting the lack of funding in which instance, unless otherwise agreed to by the parties, this Agreement shall terminate and become null and void.

5.02.07 CITY agrees that it will make its best effort to obtain sufficient funds, including but not limited to, including in its budget for each fiscal period during the term hereof a request for sufficient funds to meet its obligations hereunder in full.

5.03 Successors and Assigns

5.03.01 Both parties agree that for the purpose of this Agreement, CONTRACTOR shall be an Independent Contractor and not an employee of CITY.

5.03.02 No portion of this Agreement shall be sublet, assigned, transferred or otherwise disposed of by CONTRACTOR except with the written consent of CITY being first obtained. Consent to sublet, assign, transfer, or otherwise dispose of any portion of this Agreement shall not be construed to relieve CONTRACTOR of any responsibility of the fulfillment of this Agreement.

5.04 Extent of Agreement: Integration

5.04.01 This Agreement consists of the following parts, each of which is as fully a part of this Agreement as if set out herein:

1. This Agreement and its Attachments.
2. All Written Amendments and other documents amending, modifying, or supplementing the Contract Documents which may be delivered or issued after the Effective Date of the Agreement and are not attached hereto.
3. All Addenda to the Quote Documents.
4. The Invitation to Quoters.
5. The Instructions to Quoters.
6. The Special Conditions.
7. All plans as provided for the work that is to be completed.
8. The Supplementary Conditions.
9. The General Conditions.
10. The Specifications.
11. The current Indiana Department of Transportation Standard Specifications and the latest addenda.

12. CONTRACTOR'S submittals.
13. The Performance Bond and the Payment Bond.
14. The Escrow Agreement.
15. Request for Taxpayer Identification number and certification: Substitute W-9.

5.04.02 In resolving conflicts, errors, discrepancies and disputes concerning the Scope of Work to be performed by CONTRACTOR, and other rights and obligations of CITY and CONTRACTOR, the document expressing the greater quantity, quality or other scope of work in question, or imposing the greater obligation upon CONTRACTOR and affording the greater right or remedy to CITY shall govern; otherwise the documents shall be given precedence in the order as enumerated above.

5.05 Insurance

5.05.01

CONTRACTOR shall, as a prerequisite to this Agreement, purchase and thereafter maintain such insurance as will protect him from the claims set forth below which may arise out of or result from CONTRACTOR'S operations under this Agreement, whether such operations be by CONTRACTOR or by any SUBCONTRACTORS or by anyone directly or indirectly employed by any of them, or by anyone for whose acts any of them may be liable:

<u>Coverage</u>	<u>Limits</u>
A. Worker's Compensation & Disability	Statutory Requirements
B. Employer's Liability Bodily Injury by Accident	\$100,000 each accident
Bodily Injury by Disease	\$500,000 policy limit
Bodily Injury by Disease	\$100,000 each employee
C. Commercial General Liability (Occurrence Basis) Bodily Injury, personal injury, property damage, contractual liability, products-completed operations, General Aggregate Limit (other than Products/Completed Operations)	\$1,000,000 per occurrence and \$2,000,000 in the aggregate
Products/Completed Operation	\$1,000,000
Personal & Advertising Injury Limit	\$1,000,000
Each Occurrence Limit	\$1,000,000
Fire Damage (any one fire)	\$50,000
D. Comprehensive Auto Liability (single limit, owned, hired and non-owned)	\$1,000,000 each accident
Bodily injury and property damage	
E. Umbrella Excess Liability	\$5,000,000 each occurrence and aggregate
The Deductible on the Umbrella Liability shall not be more than	\$10,000

5.05.02 CONTRACTOR'S comprehensive general liability insurance shall also provide coverage for the following:

Premises and operations;

Contractual liability insurance as applicable to any hold-harmless agreements;

Completed operations and products; which also must be maintained for a minimum period of two (2) years after final payment and CONTRACTOR shall continue to provide evidence of such coverage to CITY on an annual basis during the aforementioned period;

Broad form property damage - including completed operations;

Fellow employee claims under Personal Injury; and

Independent Contractors.

5.05.03 With the prior written approval of CITY, CONTRACTOR may substitute different types or amounts of coverage for those specified as long as the total amount of required protection is not reduced.

5.05.04 Certificates of Insurance showing such coverage then in force (but not less than the amount shown above) shall be on file with CITY prior to commencement of work. These Certificates shall contain a provision that coverage afforded under the policies will not be canceled or non-renewed until at least sixty (60) days' prior written notice has been received by CITY. The CITY shall be named as an additional insured on the Commercial General Liability, Automobile Liability, and Umbrella Excess Liability policies. The CONTRACTOR shall agree to a waiver of subrogation on its Worker's Compensation policy.

5.06 **Necessary Documentation** CONTRACTOR certifies that it will furnish CITY any and all documentation, certification, authorization, license, permit or registration required by the laws or rules and regulations of the City of Bloomington, the State of Indiana and the United States. CONTRACTOR further certifies that it is now and will maintain in good standing with such governmental agencies and that it will keep its license, permit registration, authorization or certification in force during the term of this Agreement.

5.07 **Applicable Laws** CONTRACTOR agrees to comply with all federal, state, and local laws, rules and regulations applicable to CONTRACTOR in performing work pursuant to this Agreement, including, but not limited to, discrimination in employment, prevailing wage laws, conflicts of interest, public notice, accounting records and requirements. This Agreement shall be governed by the laws of the United States, and the State of Indiana, and by all Municipal Ordinances and Codes of the City of Bloomington. Venue of any disputes arising under this Agreement shall be in the Monroe Circuit Court, Monroe County, Indiana.

5.08 **Non-Discrimination**

5.08.01 CONTRACTOR and subcontractors shall not discriminate against any employee or applicant for employment, to be employed in the performance of this Agreement, with respect to hire, tenure, terms, training, conditions or privileges of employment, because of race, sex, color, religion, national origin, ancestry, disability, sexual orientation, gender identity, veteran status, or housing status.

Contractor shall comply with City of Bloomington Ordinance 2.21.020 and all other federal, state and local laws and regulations governing non-discrimination, including but not limited to employment.

Contractor understands that the City of Bloomington prohibits its employees from engaging in harassment or discrimination of any kind, including harassing or discriminating against independent contractors doing work for the City. If the Contractor believes that a City employee engaged in such conduct towards Contractor and/or any of its employees, Contractor or its employees may file a complaint with the City department head in charge of the Contractor's work and/or with the City human resources department or the Bloomington Human Rights Commission. The City takes all complaints of harassment and discrimination seriously and will take appropriate disciplinary action if it finds that any City employee engaged in such prohibited conduct.

Breach of this covenant may be regarded as a material breach of the Agreement.

5.08.02 CONTRACTOR certifies for itself and all its subcontractors compliance with existing laws of the City of Bloomington, the State of Indiana and the United States regarding:

Prohibition of discrimination in employment practices on the basis of race, sex, color, religion, national origin, ancestry, disability, sexual orientation, gender identity, veteran status, housing status, or any other legally protected classification;

The utilization of Minority and Women Business Enterprises. CONTRACTOR further certifies that it:

- a. Has formulated its own Affirmation Action plan for the recruitment, training and employment of minorities and women, including goals and timetable; which has been approved by the City's Contract Compliance Officer.
- b. Encourages the use of small business, minority-owned business and women-owned business in its operations.

5.08.03 FURTHER, PURSUANT TO INDIANA CODE 5-16-6-1, CONTRACTOR AGREES:

A) That in the hiring of employees for the performance of work under this Agreement or any sub agreement hereunder, no contractor, or subcontractor, nor any person acting on behalf of such CONTRACTOR or subcontractor, shall by reason of race, sex, color, religion, national origin, ancestry, or any other legally protected classification, discriminate against any citizen of the State of Indiana who is qualified and available to perform the work to which the employment relates.

B) That no contractor, subcontractor, or any person on their behalf, shall, in any manner, discriminate against or intimidate any employee hired for performance of work under this Agreement on account of race, religion, color, sex, national origin, ancestry, or any other legally protected classification.

C) That there may be deducted from the amount payable to CONTRACTOR, by CITY, under this Agreement, penalty of Five Dollars (\$5.00) for each person for each calendar day during which such person was discriminated against or intimidated in violation of the provisions of this Agreement. Any such person discriminated against retains the right to file a discrimination complaint with the appropriate civil rights agency or court.

D) That this Agreement may be canceled or terminated by CITY and all money due or to become hereunder may be forfeited, for a second or any subsequent violations of the terms or conditions under this section of the Agreement.

5.09 Workmanship and Quality of Materials

5.09.01 CONTRACTOR shall guarantee the work for a period of one (1) year from the date of substantial completion. Failure of any portion of the work within one (1) year due to improper construction, materials of construction, or design may result in a refund to CITY of the purchase price of that portion which failed or may result in the forfeiture of CONTRACTOR's Performance Bond.

5.09.02 OR EQUAL: Wherever in any of the Agreement Documents an article, material or equipment is defined by describing a proprietary product, or by using the name of a manufacturer or vender, the term "Or Equal" or the term "The Equivalent" if not inserted, shall be implied, and it is done for the express purpose of establishing a basis of durability and efficiency and not for the purpose of limiting completion. Whenever material or equipment is submitted for approval as being equal to that specified, the submittal shall include sufficient information and data to demonstrate that the material or equipment conforms to the Contract requirements. The decision as to whether or not such material or equipment is equal to that specified shall be made by the ENGINEER. The approval by the ENGINEER of alternate material or equipment as being equivalent to that specified, shall not in any way relieve CONTRACTOR of responsibility for failure of the material or equipment due to faulty design, material, or workmanship, to perform the function required by the Contract Documents. Specifications as determined by other entities within the City of Bloomington such as City Utilities shall only be substituted or changed by their approval which shall be submitted in writing to the ENGINEER.

5.09.03 CITY shall be the sole judge of the sufficiency of workmanship and quality of materials. Disputes shall be resolved by the City Engineer and are not subject to arbitration.

5.10 Safety. CONTRACTOR shall be responsible for the safety of employees at all times and shall provide all equipment necessary to insure their safety. CONTRACTOR shall ensure the enforcement of all applicable safety rules, regulations,

ordinances and laws, whether federal, state or local. Contractor's Superintendent of Safety shall make daily inspections upon the arrival and leaving of the site at the close of each workday.

5.10.01 CONTRACTOR is required to comply with IOSHA regulations 29 C.F.R 1926, Subpart P, Excavations for all trenches of at least five (5) feet in depth. All cost for trench safety systems shall be the responsibility of the CONTRACTOR and included in the cost of the principal work with which the safety systems are associated. CONTRACTOR shall sign an affidavit, attached as Attachment B, affirming that CONTRACTOR shall maintain compliance with IOSHA requirements for excavations of at least five (5) in depth.

5.11 Amendments/Changes

5.11.01 Except as provided in Paragraph 5.11.02, this Agreement may be amended only by written instrument signed by both CITY and CONTRACTOR.

5.11.02 Without invalidating the Agreement and without notice to any surety, CITY may, at any time or from time to time, order, in writing, additions, deletions, or revisions in the work. Upon receipt of any such document, CONTRACTOR shall promptly proceed with the work involved, which will be performed under the applicable conditions of the Agreement Documents.

5.11.03 If CONTRACTOR believes that any direction of CITY under paragraph 5.11.02, or any other event or condition, will result in an increase in the Contract time or price, he shall file written notice with CITY no later than twenty (20) calendar days after the occurrence of the event giving rise to the claim and stating the general nature of the claim with supporting data. No claim for any adjustment of the Contract time or price will be valid if not submitted in accordance with this Paragraph.

5.11.04 CONTRACTOR shall carry on the work and adhere to the progress schedule during all disputes or disagreements with CITY. No work shall be delayed or postponed pending resolution of any dispute or disagreement except as CONTRACTOR and CITY may otherwise agree in writing.

5.12 Performance Bond and Payment Bond

5.12.01 For contracts in excess of \$100,000, CONTRACTOR shall provide CITY with both a Performance Bond and a Payment Bond in the amount of one hundred percent (100%) of the contract amount.

5.12.02 Failure by CONTRACTOR to perform the work in a timely or satisfactory fashion may result in forfeiture of CONTRACTOR'S Performance Bond.

5.12.03 Failure by CONTRACTOR to pay for labor and services performed, material furnished or services rendered may result in forfeiture of CONTRACTOR's Payment Bond.

5.12.04 If the surety on any bond furnished by CONTRACTOR becomes a party to supervision, liquidation, or rehabilitation action pursuant Indiana Code 27-9 et seq. or its right to do business in the State of Indiana is terminated, CONTRACTOR shall, within thirty (30) calendar days thereafter, substitute another bond and surety, both of which must be acceptable to CITY.

5.13 Payment of Subcontractors CONTRACTOR shall pay all subcontractors, laborers, material suppliers and those performing services to CONTRACTOR on the project under this Agreement. CITY may, as a condition precedent to any payment hereunder, require CONTRACTOR to submit satisfactory evidence of payments of any and all claims of subcontractors, laborers, material suppliers, and those furnishing services to CONTRACTOR. Upon receipt of a lawful claim, CITY shall withhold money due to CONTRACTOR in a sufficient amount to pay the subcontractors, laborers, material suppliers, and those furnishing services to CONTRACTOR.

5.13.01 The surety of the Payment Bond may not be released until one (1) year after the Board's final settlement with the CONTRACTOR.

5.14 Written Notice Written notice shall be considered as served when delivered in person or sent by mail to the individual, firm, or corporation, or to the last business address of such known to CONTRACTOR who serves the Notice. Notice shall be sent as follows:

TO CITY:

TO CONTRACTOR:

City of Bloomington	True North Construction, Inc.
Attn: J. D. Boruff, Facilities Director	Attn: Eric Smith
P.O. Box 100 Suite 120	5295 S. Rockport Rd.
Bloomington, Indiana 47402	Bloomington, IN 47403

5.15 Severability and Waiver In the event that any clause or provision of this Agreement is held to be invalid by any court of competent jurisdiction, the invalidity of such clause or provision shall not affect any other provision of this Agreement. Failure of either party to insist on strict compliance with any provision of this Agreement shall not constitute waiver of that party's right to demand later compliance with the same or other provisions of this Agreement.

5.16 Notice to Proceed CONTRACTOR shall not begin the work pursuant to the "Scope of Work" of this Agreement until it receives an official written Notice to Proceed from the City. Contractor shall start active and continuous work on the Agreement within fifteen (15) calendar days after the date of the Notice to Proceed. In no case shall work begin prior to the date of the Notice to Proceed. If a delayed starting date is indicated in the proposal, the fifteen (15) calendar day limitation will be waived. Work day charges will then begin on a date mutually agreed upon, but not later than the delayed starting date specified. In the event that any Agreement is canceled after an award has been made but prior to the issuing of the Notice to Proceed, no reimbursement will be made for any expenses accrued relative to this contract during that period.

5.17 Steel or Foundry Products

5.17.01 To comply with Indiana Code 5-16-8, affecting all contracts for the construction, reconstruction, alteration, repair, improvement or maintenance of public works, the following provision shall be added: If steel or foundry products are to be utilized or supplied in the performance of any contract or subcontract, only domestic steel or foundry products shall be used. Should CITY feel that the cost of domestic steel or foundry products is unreasonable; CITY will notify CONTRACTOR in writing of this fact.

5.17.02 Domestic Steel products are defined as follows:

"Products rolled, formed, shaped, drawn, extruded, forged, cast, fabricated or otherwise similarly processed, or processed by a combination of two (2) or more of such operations, from steel made in the United States by open hearth, basic oxygen, electric furnace, Bessemer or other steel making process."

5.17.03 Domestic Foundry products are defined as follows:

"Products cast from ferrous and nonferrous metals by foundries in the United States."

5.17.04 The United States is defined to include all territory subject to the jurisdiction of the United States.

5.17.05 CITY may not authorize or make any payment to CONTRACTOR unless CITY is satisfied that CONTRACTOR has fully complied with this provision.

5.18 Verification of Employees' Immigration Status

Contractor is required to enroll in and verify the work eligibility status of all newly-hired employees through the E-Verify program. (This is not required if the E-Verify program no longer exists). Contractor shall sign an affidavit, attached as Attachment C, affirming that Contractor does not knowingly employ an unauthorized alien. "Unauthorized alien" is defined at 8 U.S. Code 1324a(h)(3) as a person who is not a U.S. citizen or U.S. national and is not lawfully admitted for permanent residence or authorized to work in the U.S. under 8 U.S. Code Chapter 12 or by the U.S. Attorney General.

Contractor and any of its subcontractors may not knowingly employ or contract with an unauthorized alien, or retain an employee or contract with a person that the Contractor or any of its subcontractors learns is an unauthorized alien. If the City obtains information that the Contractor or any of its subcontractors employs or retains an employee who is an unauthorized alien, the City shall notify the Contractor or its subcontractors of the Agreement violation and require that the violation be remedied within thirty (30) calendar days of the date of notice. If the Contractor or any of its subcontractors verify the work eligibility status of the employee in question through the E-Verify program, there is a rebuttable presumption that the Contractor or its subcontractor did not knowingly employ an unauthorized alien. If the Contractor or

its subcontractor fails to remedy the violation within the thirty (30) calendar day period, the City shall terminate the Agreement, unless the City determines that terminating the Agreement would be detrimental to the public interest or public property, in which case the City may allow the Agreement to remain in effect until the City procures a new contractor. If the City terminates the Agreement, the Contractor or its subcontractor is liable to the City for actual damages.

Contractor shall require any subcontractors performing work under this Agreement to certify to the Contractor that, at the time of certification, the subcontractor does not knowingly employ or contract with an unauthorized alien and the subcontractor has enrolled in and is participating in the E-Verify program. Contractor shall maintain on file all subcontractors' certifications throughout the term of this Agreement with the City.

5.19 Non-Collusion

Contractor is required to certify that it has not, nor has any other member, representative, or agent of Contractor, entered into any combination, collusion or agreement with any person relative to the price to be offered by any person nor prevented any person from making an offer nor induced anyone to refrain from making an offer and that this offer is made without reference to any other offer. Contractor shall swear under oath, via signed affidavit, attached as Attachment D and by this reference incorporated herein, that Contractor has not engaged in any collusive conduct.

IN WITNESS WHEREOF, the parties of this Agreement have hereunto set their hands.

DATE: _____

City of Bloomington
Bloomington Board of Public Works

True North Construction, Inc.

BY:

BY:

Kyla Cox Deckard, President

Eric Smith, Owner

Elizabeth Karon, Member

Jim Roach, Member

Kerri Thomson, Mayor of Bloomington

ATTACHMENT 'A'

"SCOPE OF WORK"

SECURED ELECTRIC VEHICLE STORAGE AND TRAINING FACILITY

The contractor shall provide all materials, labor and equipment to complete the following:

1. Construct a structure out of 2' X 2' X 6' concrete barricades. The structure will have two 30' walls and one 40' wall. The structure will have excavated footings 1' deep and 3' wide. The footings will have a 6" base of #2 stone, with 6" of #53 stone on top of it.
2. Construct a 30' X 40' X 6" concrete slab floor on the interior of the walls. The concrete slab shall have a sub-grade of 4" of #53 stone. It shall have #4 rebar placed 2' on center.
3. Contractor will properly dispose of all spoils and construction debris associated with this work.

ATTACHMENT 'B'

AFFIDAVIT IN COMPLIANCE WITH INDIANA CODE 36-1-12-20 TRENCH SAFETY SYSTEMS; COST RECOVERY

STATE OF INDIANA)
) SS:
 COUNTY OF _____)

AFFIDAVIT

The undersigned, being duly sworn, hereby affirms and says that:

1. The undersigned is the _____ of
 (job title)

 (company name)
2. The undersigned is duly authorized and has full authority to execute this Quoter's Affidavit.
3. The company named herein that employs the undersigned:
 - i. has contracted with or seeking to contract with the City of Bloomington to provide services; **OR**
 - ii. is a subcontractor on a contract to provide services to the City of Bloomington.
4. By submission of this Quote and subsequent execution of a Contract, the undersigned Quoter certifies that as successful Quoter (Contractor) all trench excavation done within his/her control (by his/her own forces or by his/her Subcontractors) shall be accomplished in strict adherence with OSHA trench safety standards contained in 29 C.F.R. 1926, Subpart P, including all subsequent revisions or updates to these standards as adopted by the United States Department of Labor.
5. The undersigned Quoter certifies that as successful Quoter (Contractor) he/she has obtained or will obtain identical certification from any proposed Subcontractors that will perform trench excavation prior to award of the subcontracts and that he/she will retain such certifications in a file for a period of not less than three (3) years following final acceptance.
6. The Quoter acknowledges that included in the various items listed in the Schedule of Quote Prices and in the Total Amount of Quote Prices are costs for complying with I.C. 36-1-12-20. The Quoter further identifies the costs to be summarized below*:

	Trench Safety Measure	Units of Measure	Unit Cost	Unit Quantity	Extended Cost
A.					
B.					
C.					
D.					
				Total	\$ _____

Method of Compliance (Specify) _____

Signature

Date: _____, 20____

Printed Name

STATE OF INDIANA)
) SS:
COUNTY OF _____)

Before me, a Notary Public in and for said County and State, personally appeared _____ and acknowledged the execution of the foregoing this _____ day of _____, 20____.

My Commission Expires: _____

Signature of Notary Public

County of Residence: _____

Printed Name of Notary Public

*Quoters: Add extra sheet(s), if needed.

If Quoter fails to complete and execute this sworn affidavit, his/her Quote may be declared nonresponsive and rejected by the **CITY OF BLOOMINGTON**.

ATTACHMENT 'C'

"E-Verify AFFIDAVIT"

STATE OF INDIANA)
)SS:
COUNTY OF _____)

E-VERIFY AFFIDAVIT

The undersigned, being duly sworn, hereby affirms and says that:

1. The undersigned is the _____ of _____.
a. (job title) (company name)
2. The company named herein that employs the undersigned:
 - i. has contracted with or seeking to contract with the City of Bloomington to provide services; **OR**
 - ii. is a subcontractor on a contract to provide services to the City of Bloomington.
3. The undersigned hereby states that, to the best of his/her knowledge and belief, the company named herein does not knowingly employ an "unauthorized alien," as defined at 8 United States Code 1324a(h)(3).
4. The undersigned hereby states that, to the best of his/her belief, the company named herein is enrolled in and participates in the E-verify program.

Signature

Printed Name

STATE OF INDIANA)
)SS:
COUNTY OF _____)

Before me, a Notary Public in and for said County and State, personally appeared _____ and acknowledged the execution of the foregoing this _____ day of _____, 20____.

My Commission Expires: _____

Notary Public's Signature

County of Residence: _____

Printed Name of Notary Public

Commission Number

ATTACHMENT D

NON-COLLUSION AFFIDAVIT

The undersigned offeror or agent, being duly sworn on oath, says that he has not, nor has any other member, representative, or agent of the firm, company, corporation or partnership represented by him, entered into any combination, collusion or agreement with any person relative to the price to be offered by any person nor to prevent any person from making an offer nor to induce anyone to refrain from making an offer and that this offer is made without reference to any other offer.

OATH AND AFFIRMATION

I affirm under the penalties of perjury that the foregoing facts and information are true and correct to the best of my knowledge and belief.

Dated this _____ day of _____, 20____.

(Name of Organization)

By: _____

(Name and Title of Person Signing)

STATE OF INDIANA)
) SS:
COUNTY OF _____)

Subscribed and sworn to before me this _____ day of _____, 20____.

My Commission Expires: _____
Notary Public Signature

Resident of _____ County
Printed Name

Commission Number



Board of Public Works Claim Register

Invoice Date Range 06/08/24 - 06/21/24

Vendor	Invoice Description	Contract #	Payment Date	Invoice Amount
Fund 101 - General Fund (S0101)				
Department 01 - Animal Shelter				
Program 010000 - Main				
Account 43430 - Animal Adoption Fees				
Emmy Todd	01-Mix-up on chipped cat adoption-refund adoption fee-6/6/24		06/21/2024	90.00
	Account 43430 - Animal Adoption Fees Totals	Invoice 1		<u>\$90.00</u>
		Transactions		
Account 52210 - Institutional Supplies				
8541 - Amazon.com Sales, INC (Amazon.com Services LLC)	01-First Aid Kit & Batteries for Animal Control Officer Radios		06/21/2024	91.10
4045 - Datamars, INC	01-(600) Microchips		06/21/2024	3,019.92
3560 - First Financial Bank / Credit Cards	01 - Petsmart - snake food-5/15/24		06/21/2024	14.99
4586 - Hill's Pet Nutrition Sales, INC	01-Prescription Veterinary diet food		06/21/2024	230.12
4586 - Hill's Pet Nutrition Sales, INC	01-Prescription Vet Pet Food & canned food		06/21/2024	286.28
4586 - Hill's Pet Nutrition Sales, INC	01 - Credit for undelivered product-#249593919/249593927		06/21/2024	(286.28)
4586 - Hill's Pet Nutrition Sales, INC	01-Dog, puppy, kitten & cat food		06/21/2024	308.29
3929 - IDEXX Laboratories, INC	01 - FIV, FeLV, parvo, heartworm, diagnostic kits		06/21/2024	2,206.64
4574 - John Deere Financial f.s.b. (Rural King)	01-Hose end disconnects		06/21/2024	47.94
4574 - John Deere Financial f.s.b. (Rural King)	01-litter-50 40lb bags pellet bedding		06/21/2024	249.50
4633 - Midwest Veterinary Supply, INC	01-Bandage roll		06/21/2024	16.17
4633 - Midwest Veterinary Supply, INC	01-beneficial bacteria		06/21/2024	24.65
4633 - Midwest Veterinary Supply, INC	01-vinyl exam gloves (L)		06/21/2024	26.60
4633 - Midwest Veterinary Supply, INC	01-vinyl exam gloves (L)		06/21/2024	26.60
4633 - Midwest Veterinary Supply, INC	01-ID Bands		06/21/2024	37.95



Board of Public Works Claim Register

Invoice Date Range 06/08/24 - 06/21/24

4633 - Midwest Veterinary Supply, INC	01-Isolation Gowns-50 count	06/21/2024	147.09
4633 - Midwest Veterinary Supply, INC	01-Syringes	06/21/2024	148.35
4633 - Midwest Veterinary Supply, INC	01-syringes, vinyl exam gloves (M & XL)	06/21/2024	196.25
4633 - Midwest Veterinary Supply, INC	01-Feeding tube, syringes, appetite stimulants	06/21/2024	442.92
4633 - Midwest Veterinary Supply, INC	01-Antibiotics, diagnostic litters, milk replacer	06/21/2024	552.95
4633 - Midwest Veterinary Supply, INC	01-Antifungal, anti parasitic, bandages	06/21/2024	1,243.42
Account 52210 - Institutional Supplies Totals		Invoice 21	<u>\$9,031.45</u>
		Transactions	
Account 52310 - Building Materials and Supplies			
8658 - Kleindorfer's Hardware LLC	01-Hooks for dog kennel latches	06/21/2024	16.02
Account 52310 - Building Materials and Supplies Totals		Invoice 1	<u>\$16.02</u>
		Transactions	
Account 52340 - Other Repairs and Maintenance			
313 - Fastenal Company	01-Trash bags	06/21/2024	104.88
313 - Fastenal Company	01-Towels, trash bags and spray nozzles	06/21/2024	201.22
Account 52340 - Other Repairs and Maintenance Totals		Invoice 2	<u>\$306.10</u>
		Transactions	
Account 52420 - Other Supplies			
8541 - Amazon.com Sales, INC (Amazon.com Services LLC)	01-First Aid Kit & Batteries for Animal Control Officer Radios	06/21/2024	194.00
Account 52420 - Other Supplies Totals		Invoice 1	<u>\$194.00</u>
		Transactions	
Account 53130 - Medical			
3376 - Bloomington Pets Alive, INC	01-Spay/Neuter Surgeries - 5/1-5/29/24	06/21/2024	10,127.89
Account 53130 - Medical Totals		Invoice 1	<u>\$10,127.89</u>
		Transactions	
Account 53160 - Instruction			
3560 - First Financial Bank / Credit Cards	01-2024 Shelter Medicine Conference Registration-Robyn Peffinaer	06/21/2024	50.00
3560 - First Financial Bank / Credit Cards	01 - Euthanasia Training for L. Harmon-Full Course-5/23-11/19/24	06/21/2024	400.00



Board of Public Works Claim Register

Invoice Date Range 06/08/24 - 06/21/24

3560 - First Financial Bank / Credit Cards

Account **53220 - Postage**

3560 - First Financial Bank / Credit Cards

3560 - First Financial Bank / Credit Cards

Account **53610 - Building Repairs**

321 - Harrell Fish, INC (HFI)

Program **010001 - Donations Over \$5K**

Account **53130 - Medical**

6529 - BloomingPaws, LLC

Department **02 - Public Works**

Program **020000 - Main**

Account **46060 - Other Violations**

Anthony Romeo Bui

Pardeep Sidhu

Account **53230 - Travel**

01 - Euthanasia Training for M. Clarke-Full Course-5/15-11/11/24
Account **53160 - Instruction** Totals

01-UPS Store-BOH Shipping 05/16/24

01 - USPS-Certified Mail 05/16/24

Account **53220 - Postage** Totals

01-Spring planned maintenance-4/5/24-BFP test, UV light. labor
Account **53610 - Building Repairs** Totals

Program **010000 - Main** Totals

01-Emergency visit & diagnostics-dog hit by car-5/20/24
Account **53130 - Medical** Totals

Program **010001 - Donations Over \$5K** Totals

Department **01 - Animal Shelter** Totals

26-Customer paid citation 24205200969 twice

26-Customer paid #22203000612 twice

Account **46060 - Other Violations** Totals

06/21/2024 400.00
Invoice 3
Transactions \$850.00

06/21/2024 14.82

06/21/2024 5.08
Invoice 2
Transactions \$19.90

BC 2023-074 06/21/2024 4,324.69
Invoice 1
Transactions \$4,324.69

Invoice 33
Transactions \$24,960.05

06/21/2024 473.25
Invoice 1
Transactions \$473.25

Invoice 1
Transactions \$473.25
Invoice 34
Transactions \$25,433.30

06/21/2024 60.00

06/21/2024 60.00
Invoice 2
Transactions \$120.00



Board of Public Works Claim Register

Invoice Date Range 06/08/24 - 06/21/24

2820 - Nickel, Nathan

02-hotel/per diem/fuel reimb-Cityworks Conf-Cleveland-5/14-5/17
 Account **53230 - Travel** Totals
 Program **020000 - Main** Totals
 Department **02 - Public Works** Totals

06/21/2024	875.49
Invoice 1	\$875.49
Transactions Invoice 3	\$995.49
Transactions Invoice 3	\$995.49
Transactions	

Department **03 - City Clerk**

Program **030000 - Main**

Account **53160 - Instruction**

3913 - Indiana League Of Municipal Clerks & Treasurers

03-ILMCT Annual Conference Deputy Clerk/Stoll
 03-Clerk ILMCT Annual Conference fee/Athenian Dialog proa/Bolden
 Account **53160 - Instruction** Totals

06/21/2024	500.00
06/21/2024	600.00
Invoice 2	\$1,100.00
Transactions	

3913 - Indiana League Of Municipal Clerks & Treasurers

Account **53230 - Travel**

3560 - First Financial Bank / Credit Cards

03-Hotel room-IIMC Conf-Calgary-McDowell-5/18-5/23
 03-travel expenses-IIMC Conf-Calgary-5/19-5/22/24
 Account **53230 - Travel** Totals
 Program **030000 - Main** Totals
 Department **03 - City Clerk** Totals

06/21/2024	819.49
06/21/2024	708.96
Invoice 2	\$1,528.45
Transactions Invoice 4	\$2,628.45
Transactions Invoice 4	\$2,628.45
Transactions	

8662 - Sofia McDowell

Department **04 - Economic & Sustainable Dev**

Program **040000 - Main**

Account **52420 - Other Supplies**

8541 - Amazon.com Sales, INC (Amazon.com Services LLC)

04-E-Z UP Pyramid Instant Shelter Canopy Pop Up Tent. 10' x 10'
 04-Aver's Pizza for "Beat the Heat" Workshop-05/3/24 Lunch
 04-Aver's Pizza -credit sales tax-5/23/24
 04-Kroger-ice-"Beat the Heat" Workshop Lunch-5/3/24

06/21/2024	197.98
06/21/2024	123.53
06/21/2024	(7.93)
06/21/2024	2.29

3560 - First Financial Bank / Credit Cards

3560 - First Financial Bank / Credit Cards

3560 - First Financial Bank / Credit Cards



Board of Public Works Claim Register

Invoice Date Range 06/08/24 - 06/21/24

3560 - First Financial Bank / Credit Cards	04-Kroger-Items-"Beat the Heat" Workshop Lunch-5/3/24	06/21/2024	46.22
3560 - First Financial Bank / Credit Cards	04-Planted-Urban Gardening Implementation Team Meeting-6/5/24	06/21/2024	245.00
3560 - First Financial Bank / Credit Cards	04-Stickermule - custom stickers (50) for Solar Customers	06/21/2024	112.00
Account 52420 - Other Supplies Totals		Invoice 7	<u>\$719.09</u>
		Transactions	
Account 53910 - Dues and Subscriptions			
3560 - First Financial Bank / Credit Cards	04-MailChimp Monthly Subscription - May 2024	06/21/2024	45.00
Account 53910 - Dues and Subscriptions Totals		Invoice 1	<u>\$45.00</u>
		Transactions	
Account 53970 - Mayor's Promotion of Business			
3560 - First Financial Bank / Credit Cards	04-Rainbow Bakery -Snacks for Artists Forum Plannina Mta-4/30/24	06/21/2024	24.38
3560 - First Financial Bank / Credit Cards	04-Rainbow Bakery-Duke Artists Training Breakfast-5/20/24	06/21/2024	48.00
8706 - Elizabeth Garrett	04-Photography Services for Artist Event 5-22-2024	06/21/2024	100.00
Account 53970 - Mayor's Promotion of Business Totals		Invoice 3	<u>\$172.38</u>
		Transactions	
Program 040000 - Main Totals		Invoice 11	<u>\$936.47</u>
		Transactions	
Program 04CRED - ESD CRED			
Account 53960 - Grants			
1481 - Ivy Tech Community College of Indiana	04-SBDC-COB Annual Sponsorship	06/21/2024	10,000.00
Account 53960 - Grants Totals		Invoice 1	<u>\$10,000.00</u>
		Transactions	
Program 04CRED - ESD CRED Totals		Invoice 1	<u>\$10,000.00</u>
		Transactions	
Program 04TECH - Trades Tech Center			
Account 53990 - Other Services and Charges			
3909 - Applied Engineering Services, INC	04-Trades District Tech Center services thru 05/17/24	06/21/2024	2,100.00
18844 - First Financial Bank, N.A.	04- Escrow -Woods Electrical-Tech Center-App 1	06/21/2024	2,250.00
18844 - First Financial Bank, N.A.	04- Escrow -Woods Electrical-Tech Center-App 2	06/21/2024	18,850.00



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11611 - Woods Electrical Contractors, INC
 11611 - Woods Electrical Contractors, INC

04-Electrical Contracting-Tech Center-EDA#06-79-06311- App 1	06/21/2024	42,750.00
04-Electrical Contracting-Tech Center-EDA#06-79-06311- App 2	06/21/2024	358,150.00
Account 53990 - Other Services and Charges Totals	Invoice 5	<u>\$424,100.00</u>
Program 04TECH - Trades Tech Center Totals	Transactions Invoice 5	<u>\$424,100.00</u>
Department 04 - Economic & Sustainable Dev Totals	Transactions Invoice 17	<u>\$435,036.47</u>
	Transactions	

Department **05 - Common Council**

Program **050000 - Main**

Account **52110 - Office Supplies**

3892 - Midwest Color Printing, INC

05 - Councilmember business cards; C Daily (250)	06/21/2024	66.25
Account 52110 - Office Supplies Totals	Invoice 1	<u>\$66.25</u>
	Transactions	

Account **53160 - Instruction**

259 - Indiana Association Of Cities & Towns (AIM)

05 - 2024 Municipal Law Seminar Registration (Lucas & Kulak)	06/21/2024	640.00
Account 53160 - Instruction Totals	Invoice 1	<u>\$640.00</u>
Program 050000 - Main Totals	Transactions Invoice 2	<u>\$706.25</u>
Department 05 - Common Council Totals	Transactions Invoice 2	<u>\$706.25</u>
	Transactions	

Department **06 - Controller's Office**

Program **060000 - Main**

Account **53170 - Mgt. Fee, Consultants, and Workshops**

330 - Ice Miller, LLP

330 - Ice Miller, LLP

330 - Ice Miller, LLP

06-Legal service-Lobbying, Federal Funding, Econ Devel-2/1-2/20	06/21/2024	10,000.00
06-Legal service-Lobbying, Federal Funding, Econ Devel 3/1-3/31	06/21/2024	10,000.00
06-Legal service for Lobbying, Federal Funding, Econ Devel 04/24	06/21/2024	10,000.00
Account 53170 - Mgt. Fee, Consultants, and Workshops Totals	Invoice 3	<u>\$30,000.00</u>
	Transactions	

Account **53730 - Machinery and Equipment Rental**



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933 - United States Postal Service	06-Annual Post Office Box Service Fee-PO Box 100	06/21/2024	1,480.00
Account 53730 - Machinery and Equipment Rental Totals		Invoice 1	\$1,480.00
Account 53990 - Other Services and Charges		Transactions	
910 - Forvis Mazars, LLP	06-assist w/preparation of City's 2022 GAAP financial statement	06/21/2024	4,935.00
391 - O. W. Krohn & Associates, LLP	06-prof serv w/ general acct & prep for ACFR 1/1-4/30/24	06/21/2024	3,710.00
391 - O. W. Krohn & Associates, LLP	06-prof serv w/ general acct & Summit Proj- 1/1-4/30/24	06/21/2024	19,380.00
5648 - Reedy Financial Group, PC	06-Annexation Consulting/printing etc-billing through 5/31/2024	06/21/2024	3,272.66
Account 53990 - Other Services and Charges Totals		Invoice 4	\$31,297.66
Program 060000 - Main Totals		Transactions	
Department 06 - Controller's Office Totals		Invoice 8	\$62,777.66
Department 07 - Engineering		Transactions	
Program 070000 - Main		Invoice 8	\$62,777.66
Account 52110 - Office Supplies		Transactions	
8541 - Amazon.com Sales, INC (Amazon.com Services LLC)	07-Batteries, Presentation binders	06/21/2024	77.25
6530 - Office Depot, INC	07-Scissors, markers, legal pads	06/21/2024	42.64
Account 52110 - Office Supplies Totals		Invoice 2	\$119.89
Account 53230 - Travel		Transactions	
3560 - First Financial Bank / Credit Cards	07-Bloomington Shuttle-Transport-Juliet Shoultz-4/30	06/21/2024	29.00
3560 - First Financial Bank / Credit Cards	07-CREDIT-sales tax-Hilton Garden -Juliet Shoultz-4/30	06/21/2024	(12.96)
3560 - First Financial Bank / Credit Cards	07-Hilton Garden Inn-ADA Training Juliet Shoultz 4/30	06/21/2024	120.96
3560 - First Financial Bank / Credit Cards	07-Southwest flight Juliet Shoultz-ADA Training 4/30-5/1	06/21/2024	916.96
Account 53230 - Travel Totals		Invoice 4	\$1,053.96
Account 53320 - Advertising		Transactions	



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3560 - First Financial Bank / Credit Cards

07-WTS International Career Center-Traffic Engineer Job Postings		06/21/2024	600.00
Account 53320 - Advertising Totals	Invoice 1		<u>\$600.00</u>
	Transactions		

Account **53910 - Dues and Subscriptions**

3560 - First Financial Bank / Credit Cards

07-doxpop Subscription Access to Public Records 5/13-6/12/24		06/21/2024	23.10
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3560 - First Financial Bank / Credit Cards

07-Indiana Licensing Enterprise PE License Renewal A. Cibor		06/21/2024	104.92
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204 - State Of Indiana

07-Annual Subscription-State Permits-plus 6 DL		06/21/2024	101.00
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Account 53910 - Dues and Subscriptions Totals	Invoice 3		<u>\$229.02</u>
	Transactions		

Account **53990 - Other Services and Charges**

11272 - Patriot Engineering And Environmental, INC

07-On Call-Geotechnical Services thru 04/01/24	BC 2023-107	06/21/2024	3,202.50
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11272 - Patriot Engineering And Environmental, INC

07-On Call-Geotechnical Services thru 04/30/24	BC 2023-107	06/21/2024	2,972.75
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Account 53990 - Other Services and Charges Totals	Invoice 2		<u>\$6,175.25</u>
	Transactions		

Program 070000 - Main Totals	Invoice 12		<u>\$8,178.12</u>
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Department 07 - Engineering Totals	Transactions		<u>\$8,178.12</u>
	Invoice 12		
	Transactions		

Department **09 - CFRD**

Program **090000 - Main**

Account **52110 - Office Supplies**

6530 - Office Depot, INC

09-Scotch Tape Refills, Manilla Folders for Boletin		06/21/2024	64.14
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Account 52110 - Office Supplies Totals	Invoice 1		<u>\$64.14</u>
	Transactions		

Account **52420 - Other Supplies**

4549 - Kroger Limited Partnership I

09-Mental Health 101-Snacks for Participants-Fruit. Granola Bars		06/21/2024	47.36
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11693 - The Award Center, INC

09-Human Rights Commission-7 Commissioner Name Badaes		06/21/2024	154.00
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Account 52420 - Other Supplies Totals	Invoice 2		<u>\$201.36</u>
	Transactions		

Account **53910 - Dues and Subscriptions**



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3560 - First Financial Bank / Credit Cards

09-Constant Contact Monthly-May 2024-Subscription Fee	06/21/2024	145.00
Account 53910 - Dues and Subscriptions Totals	Invoice 1	<u>\$145.00</u>
	Transactions	

Account **53960 - Grants**

205 - City Of Bloomington

09-CFRD Sponsorship of Juneteenth 2024 Event	06/21/2024	800.00
Account 53960 - Grants Totals	Invoice 1	<u>\$800.00</u>
	Transactions	
Program 090000 - Main Totals	Invoice 5	<u>\$1,210.50</u>
	Transactions	
Department 09 - CFRD Totals	Invoice 5	<u>\$1,210.50</u>
	Transactions	

Department **10 - Legal**

Program **100000 - Main**

Account **53120 - Special Legal Services**

50587 - Barnes & Thornburg LLP

10-legal services general municipal advice-3/13-3/21/24	06/21/2024	1,168.50
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50587 - Barnes & Thornburg LLP

10- legal services ARPA -3/14-3/22/24	06/21/2024	1,452.50
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50587 - Barnes & Thornburg LLP

10-legal services ARPA-4/1-4/23/24	06/21/2024	4,274.50
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Account 53120 - Special Legal Services Totals	Invoice 3	<u>\$6,895.50</u>
	Transactions	

Account **53910 - Dues and Subscriptions**

3560 - First Financial Bank / Credit Cards

10-IN State Bar Association-Aleks Pratt Membership	06/21/2024	133.00
Account 53910 - Dues and Subscriptions Totals	Invoice 1	<u>\$133.00</u>
	Transactions	
Program 100000 - Main Totals	Invoice 4	<u>\$7,028.50</u>
	Transactions	
Department 10 - Legal Totals	Invoice 4	<u>\$7,028.50</u>
	Transactions	

Department **11 - Mayor's Office**

Program **110000 - Main**

Account **43310 - Application Fee**

3560 - First Financial Bank / Credit Cards

11-Summer 2024 MIP Annual Mtg Reg-Knoxville-8/8-8/10-Mavor	06/21/2024	375.00
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3560 - First Financial Bank / Credit Cards

11 - Conference of Mayors Fee June 20-23 2024	06/21/2024	1,500.00
Account 43310 - Application Fee Totals	Invoice 2	\$1,875.00
	Transactions	

Account **47110 - Miscellaneous**

3892 - Midwest Color Printing, INC

11 - Business Cards for C. Snider & M. Rice	06/21/2024	134.16
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7149 - Namify, LLC

11 - Name badge-5/21/24	06/21/2024	27.15
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Account 47110 - Miscellaneous Totals	Invoice 2	\$161.31
	Transactions	

Account **52110 - Office Supplies**

8541 - Amazon.com Sales, INC (Amazon.com Services LLC)

11 - Door stop	06/21/2024	3.99
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Account 52110 - Office Supplies Totals	Invoice 1	\$3.99
	Transactions	

Account **52420 - Other Supplies**

7149 - Namify, LLC

11 - Name Badges (2)-6/4/24	06/21/2024	27.50
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Account 52420 - Other Supplies Totals	Invoice 1	\$27.50
	Transactions	

Account **53170 - Mgt. Fee, Consultants, and Workshops**

9138 - Jeffery R Harris

11-communications services 04/28/24-05/31/24	06/21/2024	2,500.00
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Account 53170 - Mgt. Fee, Consultants, and Workshops Totals	Invoice 1	\$2,500.00
	Transactions	

Account **53320 - Advertising**

50706 - Bloomington Magazine, INC (Bloom Magazine)

11 - Magazine Ad June/July 2024-Issue #108	06/21/2024	1,454.00
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Account 53320 - Advertising Totals	Invoice 1	\$1,454.00
	Transactions	

Account **53910 - Dues and Subscriptions**

3560 - First Financial Bank / Credit Cards

11 - Brevo / SendinBlue software-2/29-3/30/24	06/21/2024	181.00
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3560 - First Financial Bank / Credit Cards

11 - Brevo / SendinBlue software-3/30-4/30/24	06/21/2024	181.00
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Account 53910 - Dues and Subscriptions Totals	Invoice 2	\$362.00
	Transactions	

Account **53960 - Grants**



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8292 - Bloomington Rotary Club

11 - Sibling City Sponsorship	06/21/2024	500.00
Account 53960 - Grants Totals	Invoice 1	\$500.00
	Transactions	

Account **53990 - Other Services and Charges**

3560 - First Financial Bank / Credit Cards

11-credit-conference fee-Mayor-Aspen Ideas	06/21/2024	(1,000.00)
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3560 - First Financial Bank / Credit Cards

Climate 2024-comped		
11 - SendinBlue charge-4/30-5/30/24	06/21/2024	181.00

Account 53990 - Other Services and Charges Totals	Invoice 2	(\$819.00)
	Transactions	
Program 110000 - Main Totals	Invoice 13	\$6,064.80
	Transactions	
Department 11 - Mayor's Office Totals	Invoice 13	\$6,064.80
	Transactions	

Department **12 - Human Resources**

Program **120000 - Main**

Account **52110 - Office Supplies**

6530 - Office Depot, INC

12-pressboard, pens, sticky notes, paper towels, env moistener	06/21/2024	115.05
Account 52110 - Office Supplies Totals	Invoice 1	\$115.05
	Transactions	

Account **53160 - Instruction**

3560 - First Financial Bank / Credit Cards

12-K Scales & S Pechac -IN HR Seminar-7/18-7/19/24	06/21/2024	1,118.40
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3560 - First Financial Bank / Credit Cards

12-L Anderson Mental Health Ally Certification	06/21/2024	99.00
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3560 - First Financial Bank / Credit Cards

12-S Allen 2024 Indiana HR Conference-8/12-8/14/24	06/21/2024	1,584.00
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3560 - First Financial Bank / Credit Cards

12-S Johnson Police Recruitment Training	06/21/2024	1,145.00
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3560 - First Financial Bank / Credit Cards

Conference		
12-S Pechac 2024 Indiana HR Conference-8/12-8/14/24	06/21/2024	1,584.00

3560 - First Financial Bank / Credit Cards

12-L Anderson Tyler Tech Connect24 Conference	06/21/2024	1,449.00
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3560 - First Financial Bank / Credit Cards

12-C Mevis Annual SHRM Conference & Expo 2024	06/21/2024	2,170.00
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Account 53160 - Instruction Totals	Invoice 7	\$9,149.40
	Transactions	

Account **53230 - Travel**



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3560 - First Financial Bank / Credit Cards

12-S Johnson Flight Ticket for Recruitment Conference	06/21/2024	610.20
Account 53230 - Travel Totals	Invoice 1	<u>610.20</u>
	Transactions	

Account **53320 - Advertising**

9148 - Office Easel LLC

12-Rack Cards	06/21/2024	230.00
Account 53320 - Advertising Totals	Invoice 1	<u>230.00</u>
	Transactions	

Account **53990 - Other Services and Charges**

8882 - Employers Choice Online INC

12-out of state background checks - 10-5/31/24	06/21/2024	452.30
Account 53990 - Other Services and Charges Totals	Invoice 1	<u>452.30</u>
	Transactions	
Program 120000 - Main Totals	Invoice 11	<u>\$10,556.95</u>
	Transactions	
Department 12 - Human Resources Totals	Invoice 11	<u>\$10,556.95</u>
	Transactions	

Department **13 - Planning**

Program **130000 - Main**

Account **52110 - Office Supplies**

8541 - Amazon.com Sales, INC (Amazon.com Services LLC)

13- Pens and Post-It Notes	06/21/2024	34.88
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5099 - Office Three Sixty, INC

13- Postcard Mailers -2 boxes-5/29/24	06/21/2024	58.76
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5099 - Office Three Sixty, INC

13- Postcard Mailers-2 boxes-5/30/24	06/21/2024	58.76
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Account 52110 - Office Supplies Totals	Invoice 3	<u>\$152.40</u>
	Transactions	

Account **53230 - Travel**

7306 - Maria Karina Pazos

13-Per diem/hotel/Uber/Mileage-NACTO Conf-Miami-5/7-5/12	06/21/2024	1,550.17
Account 53230 - Travel Totals	Invoice 1	<u>\$1,550.17</u>
	Transactions	

Account **53910 - Dues and Subscriptions**

3560 - First Financial Bank / Credit Cards

13-APA Membership Renewal for Joy Brown	06/21/2024	117.61
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3560 - First Financial Bank / Credit Cards

13- APA Renewal Membership-Rachael Sargent-inc Passport	06/21/2024	291.00
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3560 - First Financial Bank / Credit Cards

13- APA Membership Renewal for Katie Gandhi	06/21/2024	101.00
Account 53910 - Dues and Subscriptions Totals	Invoice 3	<u>\$509.61</u>
	Transactions	

Account **53990 - Other Services and Charges**

651 - Engraving & Stamp Center, INC

13- Planning Director Signature Stamp	06/21/2024	33.50
Account 53990 - Other Services and Charges Totals	Invoice 1	<u>\$33.50</u>
	Transactions	
Program 130000 - Main Totals	Invoice 8	<u>\$2,245.68</u>
	Transactions	
Department 13 - Planning Totals	Invoice 8	<u>\$2,245.68</u>
	Transactions	

Department **19 - Facilities Maintenance**

Program **190000 - Main**

Account **52310 - Building Materials and Supplies**

293 - J&S Locksmith Shop, INC

19-AP Battery bag with cord for Stihl battery powered tools	06/21/2024	119.99
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293 - J&S Locksmith Shop, INC

19- Pro Trimmer line and cover for facilities	06/21/2024	127.07
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395 - Kirby Risk Corp

19- phil light bulbs (60) for Facilities	06/21/2024	205.20
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8658 - Kleindorfer's Hardware LLC

19 - Brushes, roller heads, goof off, finish nails, sprina	06/21/2024	68.52
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8658 - Kleindorfer's Hardware LLC

19 - screw driver, paint, knife set, drywall, rods, cover plates	06/21/2024	45.19
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Account 52310 - Building Materials and Supplies Totals	Invoice 5	<u>\$565.97</u>
	Transactions	

Account **52340 - Other Repairs and Maintenance**

53442 - Paragon Micro, INC

19-monitors/keyboard/mouse for N.Spagnolo workstation	06/21/2024	694.95
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Account 52340 - Other Repairs and Maintenance Totals	Invoice 1	<u>\$694.95</u>
	Transactions	

Account **52420 - Other Supplies**

8541 - Amazon.com Sales, INC (Amazon.com Services LLC)

19 - wrist pad for new workstation	06/21/2024	14.99
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Account 52420 - Other Supplies Totals	Invoice 1	<u>\$14.99</u>
	Transactions	

Account **52430 - Uniforms and Tools**



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4574 - John Deere Financial f.s.b. (Rural King)	19-purified water, trash bags, drinks, towels for Bright B-Town	06/21/2024	225.45
4574 - John Deere Financial f.s.b. (Rural King)	19-safety shoe (10.5M) For Brighten B-Town	06/21/2024	109.95
4574 - John Deere Financial f.s.b. (Rural King)	19-Water For Brighten B-Town -4 24 pack	06/21/2024	11.56
4574 - John Deere Financial f.s.b. (Rural King)	19-safety shoe (13W) For Brighten B-Town	06/21/2024	109.95
19171 - Vestis Group, INC (FKA Aramark)	19- pants for R Flake - 5/23/24	06/21/2024	14.20
19171 - Vestis Group, INC (FKA Aramark)	19 - Pants for R. Flake - 5/30/2024	06/21/2024	14.20
19171 - Vestis Group, INC (FKA Aramark)	19 - Pants for R. Flake - 6/6/2024	06/21/2024	14.20
Account 52430 - Uniforms and Tools Totals		Invoice 7 Transactions	<u>\$499.51</u>
Account 53230 - Travel			
12128 - Boruff, James D	19-per diem/hotel/fuel reimb-Cityworks-Cleveland-5/14-5/17/24	06/21/2024	804.34
Account 53230 - Travel Totals		Invoice 1 Transactions	<u>\$804.34</u>
Account 53610 - Building Repairs			
5012 - Allegion Access Technologies, LLC	19- City Hall repair north main door external sensor-6/4/24	06/21/2024	280.00
321 - Harrell Fish, INC (HFI)	19-SA City Hall repair water loop in cooling tower- 5/8	BC 2023-074 06/21/2024	2,467.30
321 - Harrell Fish, INC (HFI)	19-SA City Hall quarterly planned maintenance June 2024	BC 2023-074 06/21/2024	2,088.00
321 - Harrell Fish, INC (HFI)	19-SA City Hall repair clogged floor drain-5/9/24	BC 2023-075 06/21/2024	380.00
321 - Harrell Fish, INC (HFI)	19-SA City Hall inspect air pressure in Legal Dept.- 5/15/24	BC 2023-074 06/21/2024	304.33
321 - Harrell Fish, INC (HFI)	19-SA City Hall repair hot water line in women's bathroom-5/7	BC 2023-075 06/21/2024	1,415.96
393 - Kone INC	19-SA-City Hall elevator maintenance June 2024	BC 2023-101 06/21/2024	387.62
Account 53610 - Building Repairs Totals		Invoice 7 Transactions	<u>\$7,323.21</u>
Program 190000 - Main Totals		Invoice 22 Transactions	<u>\$9,902.97</u>
Department 19 - Facilities Maintenance Totals		Invoice 22 Transactions	<u>\$9,902.97</u>
Department 20 - Street			



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Program **20CRED - STREET CRED**

Account **54510 - Other Capital Outlays**

4186 - Carrier & Gable, INC

20-MioVision Video detection for 2 intersections	06/21/2024	55,600.00
Account 54510 - Other Capital Outlays Totals	Invoice 1	<u>\$55,600.00</u>
Program 20CRED - STREET CRED Totals	Transactions Invoice 1	<u>\$55,600.00</u>
Department 20 - Street Totals	Transactions Invoice 1	<u>\$55,600.00</u>
	Transactions	

Department **26 - Parking**

Program **26CRED - PARKING CRED**

Account **54510 - Other Capital Outlays**

4394 - Richardson Enterprises of Blgtn,LLC (FastSigns)

26-safety wayfinding signs for 4th St Garage	06/21/2024	3,175.56
Account 54510 - Other Capital Outlays Totals	Invoice 1	<u>\$3,175.56</u>
Program 26CRED - PARKING CRED Totals	Transactions Invoice 1	<u>\$3,175.56</u>
Department 26 - Parking Totals	Transactions Invoice 1	<u>\$3,175.56</u>
	Transactions	

Department **28 - ITS**

Program **280000 - Main**

Account **52420 - Other Supplies**

8658 - Kleindorfer's Hardware LLC

28-2 phone cables	06/21/2024	6.88
Account 52420 - Other Supplies Totals	Invoice 1	<u>\$6.88</u>
	Transactions	

Account **53230 - Travel**

8676 - Richard Stanley Creek

10682 - Richard B Dietz

3560 - First Financial Bank / Credit Cards

3560 - First Financial Bank / Credit Cards

28-per diem/mileage reimb-IGIC Conf-Michigan Citv-5/15-5/17	06/21/2024	340.49
28-hotel/per diem/pkg/mileage-Smart Cities Conf-NC-5/7-5/10	06/21/2024	1,704.73
28-Blue Chip Hotel-Refund Creek & Stier-overpavment due hotel	06/21/2024	(5.76)
28-Tyler Connect Conf Fee for Melissa Hirtzel	06/21/2024	1,449.00



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3560 - First Financial Bank / Credit Cards	28-Tyler Connect Conf Fee for Stewart Michael	06/21/2024	1,449.00
9328 - Charles Moore	28-per diem/mileage reimb-IGIC Conf-Michigan Citv-5/15-5/17	06/21/2024	343.17
8208 - Gregory Overtoom	28-pkg reimb-Tyler Connect Conf-Indy-5/20-5/22	06/21/2024	63.30
6112 - Max Stier	28-per diem/mileage reimb-IGIC Conf-Michigan Citv-5/15-5/17	06/21/2024	343.84
Account 53230 - Travel Totals		Invoice 8 Transactions	<u>\$5,687.77</u>
Account 53640 - Hardware and Software Maintenance			
8750 - Service Express, INC	28 - Maintenance For Legacy Switches 07/01/24-09/30/24	06/21/2024	2,007.00
Account 53640 - Hardware and Software Maintenance Totals		Invoice 1 Transactions	<u>\$2,007.00</u>
Account 53910 - Dues and Subscriptions			
8731 - Equidox Software Company LLC	28-Accessibility Software 3 User License - One Year	06/21/2024	9,000.00
3560 - First Financial Bank / Credit Cards	28 - GMIS International - Membership 7/1/24-7/1/25	06/21/2024	625.00
3560 - First Financial Bank / Credit Cards	28- Submittable - Application Sub Software 05/27/24-06/27/24	06/21/2024	119.00
3560 - First Financial Bank / Credit Cards	28-Canva Subscriptions 2024	06/21/2024	2,275.08
3560 - First Financial Bank / Credit Cards	28-Squarespace bloomingtonhospitalsite.com domaine	06/21/2024	12.00
3560 - First Financial Bank / Credit Cards	28-Amazon Web Services - April 2024	06/21/2024	.18
3560 - First Financial Bank / Credit Cards	28-BlueSky - Zoom Timer Subscription 05/04/24	06/21/2024	89.95
3560 - First Financial Bank / Credit Cards	28-Google - Website & Application APIs & Domains May 2024	06/21/2024	33.19
8441 - Promevo Holdings, INC (Promevo, LLC)	28-Google Enterprise & gPanel Renewal & Archive 2024	06/21/2024	199.18
8441 - Promevo Holdings, INC (Promevo, LLC)	28-Google Voice Monthly Sub Six Months 2024	06/21/2024	48.19
8441 - Promevo Holdings, INC (Promevo, LLC)	28-Google Enterprise & gPanel Renewal & Archive 2024	06/21/2024	600.00
Account 53910 - Dues and Subscriptions Totals		Invoice 11 Transactions	<u>\$13,001.77</u>
Program 280000 - Main Totals		Invoice 21 Transactions	<u>\$20,703.42</u>
Department 28 - ITS Totals		Invoice 21 Transactions	<u>\$20,703.42</u>



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 Invoice 166 \$652,244.12
 Transactions

Fund 103 - Restricted Donations(ord 05-17)

Department 06 - Controller's Office

Program 400101 - Animal Medical Services

Account 53130 - Medical

6529 - BloomingPaws, LLC

6529 - BloomingPaws, LLC

6529 - BloomingPaws, LLC

01-Exam and treatment for special needs cat-Wario	06/21/2024	120.32
01-Exam & cytology-Madelin	06/21/2024	132.00
01-Allergy testing through special meds animal donations-Brvn	06/21/2024	496.00

Account 53130 - Medical Totals Invoice 3 \$748.32

Transactions

Program 400101 - Animal Medical Services Totals Invoice 3 \$748.32

Transactions

Department 06 - Controller's Office Totals Invoice 3 \$748.32

Transactions

Fund 103 - Restricted Donations(ord 05-17) Totals Invoice 3 \$748.32

Transactions

Fund 153 - LIT – Economic Development

Department 04 - Economic & Sustainable Dev

Program 040000 - Main

Account 53960 - Grants

3560 - First Financial Bank / Credit Cards

8489 - MPI Solar, LLC

2902 - WFHB Bloomington Community Radio, INC

04- Runcible Spoon- Duke Artists Training Lunch-5/20/24	06/21/2024	144.80
04-SEEL 2024 Solar Addendum-Acacia-EPN, LLC (Ferguson Law)	06/21/2024	25,000.00
04-Operations Grant for Youth Radio Program Sponsorship	06/21/2024	10,000.00

Account 53960 - Grants Totals Invoice 3 \$35,144.80

Transactions

Account 53990 - Other Services and Charges

3560 - First Financial Bank / Credit Cards

3560 - First Financial Bank / Credit Cards

04-Terracycle-Waste Boxes-Fabric & Clothing, Laminated Paper	06/21/2024	666.00
04-Upland - Holly Warren Lunch with Artist-5/3/24	06/21/2024	41.50



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Account 53990 - Other Services and Charges Totals	Invoice 2	\$707.50
	Transactions	
Program 040000 - Main Totals	Invoice 5	\$35,852.30
	Transactions	
Department 04 - Economic & Sustainable Dev Totals	Invoice 5	\$35,852.30
	Transactions	

Department **06 - Controller's Office**

Program **060000 - Main**

Account **53170 - Mgt. Fee, Consultants, and Workshops**

19660 - Bose McKinney & Evans, LLP

06-Annexation Remonstrances April 2024	06/21/2024	187,183.15
Account 53170 - Mgt. Fee, Consultants, and Workshops Totals	Invoice 1	\$187,183.15
	Transactions	
Program 060000 - Main Totals	Invoice 1	\$187,183.15
	Transactions	
Department 06 - Controller's Office Totals	Invoice 1	\$187,183.15
	Transactions	

Department **12 - Human Resources**

Program **120000 - Main**

Account **53990 - Other Services and Charges**

9044 - Emily Buuck

8800 - Henry Duncan

8035 - Matthew Stephen Lucas

9121 - Studio Auteur LLC

12-E Buuck Education Reimbursement-Spring 2024-5/13/24	06/21/2024	2,500.00
12-H Duncan Educational Reimbursement-IU-5/24/24	06/21/2024	2,500.00
12-M Lucas Education Reimbursement-5/29/24	06/21/2024	2,500.00
12-Recruitment Videos-First Payment-6/4/24	06/21/2024	15,000.00
Account 53990 - Other Services and Charges Totals	Invoice 4	\$22,500.00
	Transactions	
Program 120000 - Main Totals	Invoice 4	\$22,500.00
	Transactions	
Department 12 - Human Resources Totals	Invoice 4	\$22,500.00
	Transactions	

Department **19 - Facilities Maintenance**

Program **190000 - Main**

Account **53610 - Building Repairs**



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6688 - SSW Enterprises, LLC (Office Pride)	19- May 2024 Cleaning Services for Animal Care & Control	06/21/2024	1,565.90
6688 - SSW Enterprises, LLC (Office Pride)	19- May 2024 Cleaning Services for City Hall	06/21/2024	13,658.40
6688 - SSW Enterprises, LLC (Office Pride)	19- May 2024 Cleaning Services for Fleet Maint. Garage	06/21/2024	1,072.89
6688 - SSW Enterprises, LLC (Office Pride)	19- May 2024 Cleaning Services for Sanitation Garage	06/21/2024	939.36
6688 - SSW Enterprises, LLC (Office Pride)	19- May 2024 Cleaning Services for Street/Traffic	06/21/2024	1,666.56
	Account 53610 - Building Repairs Totals	Invoice 5	<u>\$18,903.11</u>
	Program 190000 - Main Totals	Transactions Invoice 5	<u>\$18,903.11</u>
	Department 19 - Facilities Maintenance Totals	Transactions Invoice 5	<u>\$18,903.11</u>
	Fund 153 - LIT - Economic Development Totals	Transactions Invoice 15	<u>\$264,438.56</u>
		Transactions	
Fund 176 - ARPA Local Fiscal Recvry (S9512)			
Department 04 - Economic & Sustainable Dev			
Program G21005 - ARPA COVID Local Fiscal Recovery			
Account 53960 - Grants			
7532 - Christina Elem	04-Consulting Services for public art 05/01/24-05/23/24	06/21/2024	1,344.00
	Account 53960 - Grants Totals	Invoice 1	<u>\$1,344.00</u>
	Program G21005 - ARPA COVID Local Fiscal Recovery Totals	Transactions Invoice 1	<u>\$1,344.00</u>
	Department 04 - Economic & Sustainable Dev Totals	Transactions Invoice 1	<u>\$1,344.00</u>
		Transactions	
Department 07 - Engineering			
Program G21005 - ARPA COVID Local Fiscal Recovery			
Account 54310 - Improvements Other Than Building			
5149 - E&B Paving, INC	07-Morningside DR Greenway (CN) 05/02-05/29/24-Ann 2	BC 2023-106 06/21/2024	25,527.91
	Account 54310 - Improvements Other Than Building Totals	Invoice 1	<u>\$25,527.91</u>
	Program G21005 - ARPA COVID Local Fiscal Recovery Totals	Transactions Invoice 1	<u>\$25,527.91</u>
		Transactions	



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Fund **312 - Community Services**

Department **09 - CFRD**

Program **090001 - Com Serv - Black Males**

Account **52420 - Other Supplies**

8541 - Amazon.com Sales, INC (Amazon.com Services LLC)

09-Banneker Juneteenth Collab-Bingo Cards for Campers 06/21/2024 24.66

Account **52420 - Other Supplies** Totals Invoice 1 \$24.66

Program **090001 - Com Serv - Black Males** Totals Invoice 1 \$24.66

Program **090016 - Com Serv - Safe & Civil**

Account **52420 - Other Supplies**

8541 - Amazon.com Sales, INC (Amazon.com Services LLC)

09-Juneteenth 2024-Flags for Decor, Candy, Popcorn Packs 06/21/2024 92.68

3560 - First Financial Bank / Credit Cards

09-Positive Promot-Juneteenth History Fans-Give-Aways for Guest 06/21/2024 54.85

Account **52420 - Other Supplies** Totals Invoice 2 \$147.53

Account **53990 - Other Services and Charges**

205 - City Of Bloomington

09-Switchyard Pavilion Rental-Juneteenth Celebration 2024 06/21/2024 400.00

3560 - First Financial Bank / Credit Cards

09-Safe & Civil City Jotform-5/29-6/29-Acct 2-safeandcivil 06/21/2024 19.00

3560 - First Financial Bank / Credit Cards

09-Safe & Civil City Jotform 4/29-5/29-safeandcivil 06/21/2024 19.00

Account **53990 - Other Services and Charges** Totals Invoice 3 \$438.00

Program **090016 - Com Serv - Safe & Civil** Totals Invoice 5 \$585.53

Program **090018 - CBVN**

Account **53990 - Other Services and Charges**

3560 - First Financial Bank / Credit Cards

09-Safe & Civil City Jotform-5/23-6/23-Acct 1-mosss 06/21/2024 19.00



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Account 53990 - Other Services and Charges Totals	Invoice 1	\$19.00
	Transactions	
Program 090018 - CBVN Totals	Invoice 1	\$19.00
	Transactions	
Program 090021 - Children & Youths		
Account 52420 - Other Supplies		
8541 - Amazon.com Sales, INC (Amazon.com Services LLC)	09-Banneker Juneteenth Collab-Bingo Cards for Campers	06/21/2024 24.66
	Account 52420 - Other Supplies Totals	Invoice 1 \$24.66
		Transactions
	Program 090021 - Children & Youths Totals	Invoice 1 \$24.66
		Transactions
	Department 09 - CFRD Totals	Invoice 8 \$653.85
		Transactions
	Fund 312 - Community Services Totals	Invoice 8 \$653.85
		Transactions
Fund 401 - Non-Reverting Telecom (S1146)		
Department 25 - Telecommunications		
Program 254000 - Infrastructure		
Account 53640 - Hardware and Software Maintenance		
13482 - Northern Lights Locating & Inspection, INC	28- BDU Line Locates & Emerg Call Fees-May 2024 w/over allowance	06/21/2024 5,650.00
	Account 53640 - Hardware and Software Maintenance Totals	Invoice 1 \$5,650.00
		Transactions
	Program 254000 - Infrastructure Totals	Invoice 1 \$5,650.00
		Transactions
Program 256000 - Services		
Account 53150 - Communications Contract		
203 - INDIANA UNIVERSITY	28-Fire Station Dark Fiber Service May 2024	06/21/2024 65.00
	Account 53150 - Communications Contract Totals	Invoice 1 \$65.00
		Transactions
Account 54450 - Equipment		
53442 - Paragon Micro, INC	28-(2) Microsoft SQL service standard core	06/21/2024 1,869.98
	Account 54450 - Equipment Totals	Invoice 1 \$1,869.98
		Transactions



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Program 256000 - Services Totals	Invoice 2	\$1,934.98
Department 25 - Telecommunications Totals	Transactions	
	Invoice 3	\$7,584.98
Fund 401 - Non-Reverting Telecom (S1146) Totals	Transactions	
	Invoice 3	\$7,584.98
	Transactions	

Fund **451 - Motor Vehicle Highway(S0708)**

Department **20 - Street**

Program **200000 - Main**

Account **52210 - Institutional Supplies**

313 - Fastenal Company

20-Safety Supplies for Crews-gloves, spray paint, earplugs	06/21/2024	210.21
Account 52210 - Institutional Supplies Totals	Invoice 1	\$210.21
	Transactions	

Account **52420 - Other Supplies**

409 - Black Lumber Co. INC	20-(4) 2x12-10 Yellow Pine Lumber	06/21/2024	81.16
409 - Black Lumber Co. INC	20-Paving crew (3) 3" utility brush	06/21/2024	6.76
409 - Black Lumber Co. INC	20-Marking wand for paving	06/21/2024	42.99
409 - Black Lumber Co. INC	20-SW-Rubber gasket, (2) Hose clamp, (6) steel hose. PVC Cap	06/21/2024	19.40
409 - Black Lumber Co. INC	20-Bug repellent, cable tie, water cooler for tree crew	06/21/2024	55.97
8658 - Kleindorfer's Hardware LLC	20-(2) markers, (1) 4; grade stakes for sign crew	06/21/2024	48.98
8658 - Kleindorfer's Hardware LLC	20-Supplies for "No Parking" signs-staples, wood stakes	06/21/2024	48.99
2974 - MacAllister Machinery Co, INC	20-Seat Pin Assembly for Paver	06/21/2024	64.42
	Account 52420 - Other Supplies Totals	Invoice 8	\$368.67
		Transactions	

Account **53130 - Medical**

231 - IU Health OCC Health Services	20-DS DOT 5 Panel E Screen-C. Nichols-5/14/24	06/21/2024	50.00
231 - IU Health OCC Health Services	20-DS DOT 5 Panel E Screen-C. Bartlett-5/01/24	06/21/2024	50.00
231 - IU Health OCC Health Services	20-DS DOT 5 Panel E Screen-E. Albright-5/14/24	06/21/2024	50.00



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Invoice Date Range 06/08/24 - 06/21/24

231 - IU Health OCC Health Services	20-DS DOT 5 Panel E Screen-D. Scales-5/14/24		06/21/2024	50.00
	Account 53130 - Medical Totals	Invoice 4		\$200.00
Account 53150 - Communications Contract		Transactions		
5465 - Emergency Radio Service LLC (ERS-OCI Wireless)	20-Two-way radio serv-crews, pagers for Snow Control-June 2024		06/21/2024	2,321.25
	Account 53150 - Communications Contract Totals	Invoice 1		\$2,321.25
Account 53230 - Travel		Transactions		
9326 - Billi Bowlen	20-per diem reimb-CityWorks Conf-Cleveland-5/14-5/17/24		06/21/2024	163.00
3560 - First Financial Bank / Credit Cards	20-Hotel/Pkg-Kansas City-APWA Snow Conf-Morris-4/27-4/30		06/21/2024	805.20
2649 - Danna J Stephens	20- per diem/hotel reimb-CityWorks Conf-Cleveland-5/14-5/17/24		06/21/2024	1,005.49
	Account 53230 - Travel Totals	Invoice 3		\$1,973.69
Account 53250 - Pagers		Transactions		
332 - Indiana Paging Network, INC	20-Pagers for Snow Control Crews-July 2024		06/21/2024	158.95
	Account 53250 - Pagers Totals	Invoice 1		\$158.95
Account 53610 - Building Repairs		Transactions		
1537 - Indiana Door & Hardware Specialties, INC	20 - SA - Front door closure-5/29/24	BC 2023-076	06/21/2024	285.00
	Account 53610 - Building Repairs Totals	Invoice 1		\$285.00
Account 53920 - Laundry and Other Sanitation Services		Transactions		
19171 - Vestis Group, INC (FKA Aramark)	20-uniform rental (minus payroll ded)-5/29/24		06/21/2024	9.01
19171 - Vestis Group, INC (FKA Aramark)	20-mat/towel service-5/29/24		06/21/2024	42.58
19171 - Vestis Group, INC (FKA Aramark)	20-mat/towel service-6/5/24		06/21/2024	30.65
19171 - Vestis Group, INC (FKA Aramark)	20-uniform rental (minus payroll ded)-6/5/24		06/21/2024	9.01
	Account 53920 - Laundry and Other Sanitation Services Totals	Invoice 4		\$91.25
Account 53990 - Other Services and Charges		Transactions		



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19444 - Jeffery D Todd (Todd Septic Tank Service)

20-Pump Salt Water Collection Tanks 05/20/24 06/21/2024 225.00

Account 53990 - Other Services and Charges Totals	Invoice 1	\$225.00
	Transactions	
Program 200000 - Main Totals	Invoice 24	\$5,834.02
	Transactions	
Department 20 - Street Totals	Invoice 24	\$5,834.02
	Transactions	
Fund 451 - Motor Vehicle Highway(S0708) Totals	Invoice 24	\$5,834.02
	Transactions	

Fund **452 - Parking Facilities(S9502)**

Department **26 - Parking**

Program **260000 - Main**

Account **52210 - Institutional Supplies**

8541 - Amazon.com Sales, INC (Amazon.com Services LLC)

26-latex gloves, hazmat suits, shoe covers for cleaning 06/21/2024 140.40

5099 - Office Three Sixty, INC

26-trash liners, hand soap,paper towel,shelving for all garages 06/21/2024 767.08

Account 52210 - Institutional Supplies Totals	Invoice 2	\$907.48
	Transactions	

Account **52310 - Building Materials and Supplies**

8658 - Kleindorfer's Hardware LLC

26-O rings for power washer 06/21/2024 2.29

8658 - Kleindorfer's Hardware LLC

26-Blue striping paint to mark ADA spaces at Walnut 06/21/2024 37.05

Account 52310 - Building Materials and Supplies Totals	Invoice 2	\$39.34
	Transactions	

Account **52420 - Other Supplies**

3588 - Cintas Corporation (Cintas #529 EFT Vendor)

26-new tshirts for all garage staff-5/23/24 06/21/2024 228.86

Account 52420 - Other Supplies Totals	Invoice 1	\$228.86
	Transactions	

Account **53510 - Electrical Services**

223 - Duke Energy

26-4th St Garage-elec chgs 04/26/24-05/28/24 06/12/2024 583.04

223 - Duke Energy

26-Morton St Garage-212 N Morton St elec chgs 04/26/24-05/28/24 06/12/2024 1,173.84

223 - Duke Energy

26-Morton St Garage-Elec Car- 212 N Morton St 04/26/24-05/28/24 06/12/2024 74.22



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Account **53510 - Electrical Services** Totals Invoice 3 Transactions \$1,831.10

Account **53610 - Building Repairs**

3560 - First Financial Bank / Credit Cards	26-Homeland security-Trades & 4th St Garages elevator renewal		06/21/2024	393.16
393 - Kone INC	26-Walnut St Garage-elevator maint period-March 2024	BC 2023-101	06/21/2024	207.87
393 - Kone INC	26-Morton St Garage-elevator maint period-March 2024	BC 2023-101	06/21/2024	456.54
393 - Kone INC	26-4th St Garage-elevator maint period-March 2024	BC 2023-101	06/21/2024	913.08
393 - Kone INC	26-Walnut St Garage-elevator maint period-April 2024	BC 2023-101	06/21/2024	207.87
393 - Kone INC	26-Morton St Garage-elevator maint period-April 2024	BC 2023-101	06/21/2024	456.54
393 - Kone INC	26-Trades District Garage-elevator maint -April 2024	BC 2023-101	06/21/2024	913.08
393 - Kone INC	26-4th St Garage-elevator maint period-April 2024	BC 2023-101	06/21/2024	913.08
393 - Kone INC	26-Walnut St Garage-elevator maint period-May 2024	BC 2023-101	06/21/2024	242.06
393 - Kone INC	26-Morton St Garage-elevator maint period-May 2024	BC 2023-101	06/21/2024	531.64
393 - Kone INC	26-Trades District Garage-elevator maint-May 2024	BC 2023-101	06/21/2024	1,063.28
393 - Kone INC	26-4th St Garage-elevator maint period-May 2024	BC 2023-101	06/21/2024	1,063.28
393 - Kone INC	26-Walnut St Garage-elevator doors came off track 04/07/24	BC 2023-101	06/21/2024	3,348.13
393 - Kone INC	26-Trades District Garage-elevator maint -March 2024	BC 2023-101	06/21/2024	913.08
393 - Kone INC	26-Walnut St Garage-elevator maintenance period-June 2024	BC 2023-101	06/21/2024	242.06
393 - Kone INC	26-Morton St Garage-elevator maint period-June 2024	BC 2023-101	06/21/2024	531.64
393 - Kone INC	26-Trades District Garage-elevator maint-June 2024	BC 2023-101	06/21/2024	1,063.28
393 - Kone INC	26-4th St Garage-elevator maint period-June 2024	BC 2023-101	06/21/2024	1,063.28
392 - Koorsen Fire & Security, INC	26-4th St Garage-fire alarm monitoring-6/1-8/31/24	BC 2023-089	06/21/2024	150.00

Account **53610 - Building Repairs** Totals Invoice 19 Transactions \$14,672.95

Account **53640 - Hardware and Software Maintenance**



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3397 - Evens Time, INC	26-quarterly maint agreement-parking equip 07/01-09/30/24	06/21/2024	20,500.00
	Account 53640 - Hardware and Software Maintenance Totals	Invoice 1	<u>20,500.00</u>
		Transactions	
Account 53840 - Lease Payments			
512 - 7th & Walnut , LLC	26-Walnut St Garage- July 2024 garage rent	06/21/2024	17,824.79
3887 - Mercury Development Group, LLC	26-Morton St Garage-July 2024 garage rent	06/21/2024	41,706.45
	Account 53840 - Lease Payments Totals	Invoice 2	<u>\$59,531.24</u>
		Transactions	
Account 53990 - Other Services and Charges			
6688 - SSW Enterprises, LLC (Office Pride)	26-Parking Services office cleaning 06/01/24	06/21/2024	100.00
	Account 53990 - Other Services and Charges Totals	Invoice 1	<u>\$100.00</u>
		Transactions	
	Program 260000 - Main Totals	Invoice 31	<u>\$97,810.97</u>
		Transactions	
	Department 26 - Parking Totals	Invoice 31	<u>\$97,810.97</u>
		Transactions	
	Fund 452 - Parking Facilities(S9502) Totals	Invoice 31	<u>\$97,810.97</u>
		Transactions	
Fund 454 - Alternative Transport(S6301)			
Department 26 - Parking			
Program 260000 - Main			
Account 52110 - Office Supplies			
8541 - Amazon.com Sales, INC (Amazon.com Services LLC)	26-hand sanitizer/liquid soap/desk calendar for parking	06/21/2024	11.24
	Account 52110 - Office Supplies Totals	Invoice 1	<u>\$11.24</u>
		Transactions	
Account 53310 - Printing			
50680 - Biller Press & Manufacturing, INC	26-envelopes for parking citations (10,000)	06/21/2024	286.00
	Account 53310 - Printing Totals	Invoice 1	<u>\$286.00</u>
		Transactions	
Account 53990 - Other Services and Charges			
6688 - SSW Enterprises, LLC (Office Pride)	26-Parking Services office cleaning 06/01/24	06/21/2024	77.40



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Account 53990 - Other Services and Charges Totals	Invoice 1	\$77.40
	Transactions	
Program 260000 - Main Totals	Invoice 3	\$374.64
	Transactions	
Department 26 - Parking Totals	Invoice 3	\$374.64
	Transactions	
Fund 454 - Alternative Transport(S6301) Totals	Invoice 3	\$374.64
	Transactions	

Fund 455 - Parking Meter Fund(S2141)

Department 26 - Parking

Program 260000 - Main

Account 52110 - Office Supplies

8541 - Amazon.com Sales, INC (Amazon.com Services LLC)	26-air freshner-desk caddy-calculator-screen protector-wall file	06/21/2024	70.62
8541 - Amazon.com Sales, INC (Amazon.com Services LLC)	26-hand sanitizer/liquid soap/desk calendar for parking	06/21/2024	44.93
4140 - Interstate All Battery Center of Bloomington, INC	26-3 batteries for keyboards in parking services	06/21/2024	19.47
6530 - Office Depot, INC	26-stapler for parking services	06/21/2024	11.74

Account 52110 - Office Supplies Totals	Invoice 4	\$146.76
	Transactions	

Account 52340 - Other Repairs and Maintenance

8541 - Amazon.com Sales, INC (Amazon.com Services LLC)	26-grease and grease gun for parking collection cart	06/21/2024	33.00
4264 - IPS Group, INC	26-100 batteries for parking meters-5/24/24	06/21/2024	4,900.00

Account 52340 - Other Repairs and Maintenance Totals	Invoice 2	\$4,933.00
	Transactions	

Account 52420 - Other Supplies

8541 - Amazon.com Sales, INC (Amazon.com Services LLC)	26-latex gloves, hazmat suits, shoe covers for cleaning	06/21/2024	14.97
8658 - Kleindorfer's Hardware LLC	26-Gloves for parking officer walking	06/21/2024	14.49
8658 - Kleindorfer's Hardware LLC	26-Gloves, mallot, pliers, screw drivers for parking meter fix	06/21/2024	81.81
8658 - Kleindorfer's Hardware LLC	26-Spray to disinfect parking services areas	06/21/2024	11.29
8658 - Kleindorfer's Hardware LLC	26-Knat traps for parking services-5 boxes fruit fly traps	06/21/2024	33.95



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6530 - Office Depot, INC	26-notebook binders for parking services	06/21/2024	27.05
	Account 52420 - Other Supplies Totals	Invoice 6 Transactions	<u>\$183.56</u>
Account 53150 - Communications Contract			
4264 - IPS Group, INC	26-bank fees and communication fees -May 2024	06/21/2024	9,068.75
	Account 53150 - Communications Contract Totals	Invoice 1 Transactions	<u>\$9,068.75</u>
Account 53240 - Freight / Other			
4264 - IPS Group, INC	26-100 batteries for parking meters-5/24/24	06/21/2024	208.32
	Account 53240 - Freight / Other Totals	Invoice 1 Transactions	<u>\$208.32</u>
Account 53310 - Printing			
50680 - Biller Press & Manufacturing, INC	26-envelopes for parking citations (10,000)	06/21/2024	1,144.00
	Account 53310 - Printing Totals	Invoice 1 Transactions	<u>\$1,144.00</u>
Account 53640 - Hardware and Software Maintenance			
204 - State Of Indiana	26-BMV owner information for towing (9)-5/31/24	06/21/2024	15.00
54432 - T2 Systems, INC	26-ROVR hits (886) for May 2024	06/21/2024	1,727.70
	Account 53640 - Hardware and Software Maintenance Totals	Invoice 2 Transactions	<u>\$1,742.70</u>
Account 53830 - Bank Charges			
4264 - IPS Group, INC	26-bank fees and communication fees -May 2024	06/21/2024	4,980.82
	Account 53830 - Bank Charges Totals	Invoice 1 Transactions	<u>\$4,980.82</u>
Account 53990 - Other Services and Charges			
6688 - SSW Enterprises, LLC (Office Pride)	26-Parking Services office cleaning 06/01/24	06/21/2024	309.60
4443 - The Sherwin Williams Company	26-paint for parking curbs and ADA spaces	06/21/2024	159.94
4443 - The Sherwin Williams Company	26-paint for parking curbs on E 8th St Indiana to Woodlawn	06/21/2024	274.99
4443 - The Sherwin Williams Company	26-paint for parking curbs 600 S. Lincoln St	06/21/2024	98.79



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Account 53990 - Other Services and Charges Totals	Invoice 4	\$843.32
	Transactions	
Program 260000 - Main Totals	Invoice 22	\$23,251.23
	Transactions	
Department 26 - Parking Totals	Invoice 22	\$23,251.23
	Transactions	
Fund 455 - Parking Meter Fund(S2141) Totals	Invoice 22	\$23,251.23
	Transactions	

Fund 456 - MVH Restricted

Department **20 - Street**

Program **200000 - Main**

Account **52330 - Street , Alley, and Sewer Material**

5149 - E&B Paving, INC	20-Asphalt for Paving Plymouth Rd 05/22/24	BC 2023-093A	06/21/2024	7,276.85
5149 - E&B Paving, INC	20-Asphalt for Paving S. Highland St 05/22/24	BC 2023-093A	06/21/2024	1,029.95
5149 - E&B Paving, INC	20-Asphalt for Paving, Plymouth, Weymouth, Parkridge & Walpole R	BC 2023-093A	06/21/2024	57,973.83
5149 - E&B Paving, INC	20-Asphalt for Paving Park Ridge Rd. 05/16/24	BC 2023-093A	06/21/2024	24,586.59
334 - Irving Materials, INC	20-Concrete for Sidewalk Projects class A stone-2600 E 2nd	BC 2024-012	06/21/2024	832.00
334 - Irving Materials, INC	20-Concrete for Sidewalk Projects Class A stone-709 S. Parkridge	BC 2024-012	06/21/2024	1,175.00
334 - Irving Materials, INC	20-Concrete for Sidewalk Projects Class A stone-2809 E Winston	BC 2024-012	06/21/2024	944.00
334 - Irving Materials, INC	20-Concrete for Sidewalk Projects Class A stone-Winston & Atlee	BC 2024-012	06/21/2024	1,021.00
334 - Irving Materials, INC	20-Concrete for Sidewalk Projects Class A stone-McCartnev Ln	BC 2024-012	06/21/2024	890.00

Account 52330 - Street , Alley, and Sewer Material Totals	Invoice 9	\$95,729.22
	Transactions	
Program 200000 - Main Totals	Invoice 9	\$95,729.22
	Transactions	
Department 20 - Street Totals	Invoice 9	\$95,729.22
	Transactions	
Fund 456 - MVH Restricted Totals	Invoice 9	\$95,729.22
	Transactions	

Fund 457 - Digital Equity Fund

Department **28 - ITS**



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Program **280000 - Main**

Account **53990 - Other Services and Charges**

504 - Housing Authority Of The City of Bloomington (BHA)

28- Digital Equity funds Crestmont internet 05/20/24-06/19/24	06/21/2024	189.56
Account 53990 - Other Services and Charges Totals	Invoice 1	<u>\$189.56</u>
	Transactions	
Program 280000 - Main Totals	Invoice 1	<u>\$189.56</u>
	Transactions	
Department 28 - ITS Totals	Invoice 1	<u>\$189.56</u>
	Transactions	
Fund 457 - Digital Equity Fund Totals	Invoice 1	<u>\$189.56</u>
	Transactions	

Fund **600 - Cumulative Cap Imprv(CIG)(S2379)**

Department **02 - Public Works**

Program **020000 - Main**

Account **52330 - Street , Alley, and Sewer Material**

365 - Rogers Group, INC

20-Stone for Street Projects 44.49 commercial stone	06/21/2024	447.41
Account 52330 - Street , Alley, and Sewer Material Totals	Invoice 1	<u>\$447.41</u>
	Transactions	
Program 020000 - Main Totals	Invoice 1	<u>\$447.41</u>
	Transactions	
Department 02 - Public Works Totals	Invoice 1	<u>\$447.41</u>
	Transactions	
Fund 600 - Cumulative Cap Imprv(CIG)(S2379) Totals	Invoice 1	<u>\$447.41</u>
	Transactions	

Fund **601 - Cumulative Capital Devlp(S2391)**

Department **02 - Public Works**

Program **020000 - Main**

Account **52330 - Street , Alley, and Sewer Material**

5149 - E&B Paving, INC

20-Hot mix for patching Kinser & Gourley BC 2023-093A 06/21/2024 193.97

5149 - E&B Paving, INC

05/22/24
20-Tac Oil for Paving 05/24/24 BC 2023-093A 06/21/2024 100.00

5149 - E&B Paving, INC

20-Hot mix for patching 108 Indiana Alley BC 2023-093A 06/21/2024 365.33
05/23/24



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5149 - E&B Paving, INC	20-Hot mix for patching, Kinser & Gourley & Collee Mall Rd.	BC 2023-093A	06/21/2024	533.12
5149 - E&B Paving, INC	20-Hot mix for patching 108 Indiana 05/28/24	BC 2023-093A	06/21/2024	123.76
Account 52330 - Street , Alley, and Sewer Material Totals		Invoice 5 Transactions		\$1,316.18
Account 53990 - Other Services and Charges				
467 - Groomer Construction, INC	20-Sidewalk Assistance Repairs, 709 S Parkridge Rd. sidewalk	BC 2024-008	06/21/2024	4,484.00
Account 53990 - Other Services and Charges Totals		Invoice 1 Transactions		\$4,484.00
Account 54510 - Other Capital Outlays				
8629 - CE Hughes Milling, INC (The Airmarking Co)	20-2024 Pavement Marking Contract -5/20-5/22	BC 2024-028	06/21/2024	84,801.49
8629 - CE Hughes Milling, INC (The Airmarking Co)	20-2024 Pavement Marking Contract -5/28-5/31- Job complete	BC 2024-028	06/21/2024	92,383.44
Account 54510 - Other Capital Outlays Totals		Invoice 2 Transactions		\$177,184.93
Program 020000 - Main Totals		Invoice 8 Transactions		\$182,985.11
Department 02 - Public Works Totals		Invoice 8 Transactions		\$182,985.11
Department 07 - Engineering				
Program 070000 - Main				
Account 54310 - Improvements Other Than Building				
223 - Duke Energy	07 - Duke Utility Relocation, Hopewell East-827 W. 1st St		06/21/2024	43,780.58
Account 54310 - Improvements Other Than Building Totals		Invoice 1 Transactions		\$43,780.58
Program 070000 - Main Totals		Invoice 1 Transactions		\$43,780.58
Department 07 - Engineering Totals		Invoice 1 Transactions		\$43,780.58
Fund 601 - Cumulative Capital Devlp(S2391) Totals		Invoice 9 Transactions		\$226,765.69
Fund 730 - Solid Waste (S6401)				
Department 16 - Sanitation				
Program 160000 - Main				



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Account 52230 - Garage and Motor Supplies

4574 - John Deere Financial f.s.b. (Rural King)	16-nozzles, cleaning rags, ratchet strap, heating blaster	06/21/2024	84.95
4693 - Monroe County Tire & Supply, INC	16-repair 2 wheels for the power washer	06/21/2024	121.75
Account 52230 - Garage and Motor Supplies Totals		Invoice 2 Transactions	\$206.70

Account 52420 - Other Supplies

8658 - Kleindorfer's Hardware LLC	16-o-rings for power washer	06/21/2024	5.14
1743 - The Home City Ice Company	16-ice for employees-125 7lb bags-5/29/24	06/21/2024	352.50
Account 52420 - Other Supplies Totals		Invoice 2 Transactions	\$357.64

Account 52430 - Uniforms and Tools

793 - Indiana Safety Company, INC	16-gloves and first aid kit for employees	06/21/2024	161.00
793 - Indiana Safety Company, INC	16-gloves for employees-10 gauge palm coated knit XL	06/21/2024	414.40
793 - Indiana Safety Company, INC	16-gloves for employees-10 gauge palm coated knit XL	06/21/2024	287.80
Account 52430 - Uniforms and Tools Totals		Invoice 3 Transactions	\$863.20

Account 53130 - Medical

231 - IU Health OCC Health Services	16-D. Chandler-Vaccine Hep B-3/28/24	06/21/2024	90.00
Account 53130 - Medical Totals		Invoice 1 Transactions	\$90.00

Account 53140 - Exterminator Services

51538 - Economy Termite & Pest Control, INC	16-Sanitation-bi-monthly pest control-5/29/24	BC 2023-070 06/21/2024	125.00
Account 53140 - Exterminator Services Totals		Invoice 1 Transactions	\$125.00

Account 53240 - Freight / Other

793 - Indiana Safety Company, INC	16-gloves and first aid kit for employees	06/21/2024	16.41
793 - Indiana Safety Company, INC	16-gloves for employees-10 gauge palm coated knit XL	06/21/2024	82.04
793 - Indiana Safety Company, INC	16-gloves for employees-10 gauge palm coated knit XL	06/21/2024	20.45



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Account 53610 - Building Repairs

321 - Harrell Fish, INC (HFI)

Account 53240 - Freight / Other Totals	Invoice 3	\$118.90
	Transactions	
16-Sanit-Gas fired unit & renzor heater not firina/ordered parts	BC 2023-074 06/21/2024	1,282.20
Account 53610 - Building Repairs Totals	Invoice 1	\$1,282.20
	Transactions	

Account 53920 - Laundry and Other Sanitation Services

19171 - Vestis Group, INC (FKA Aramark)
 19171 - Vestis Group, INC (FKA Aramark)
 19171 - Vestis Group, INC (FKA Aramark)

16-uniform rental (minus payroll ded)- 04/24/24	06/21/2024	6.48
16-Mat Services - 04/24/2024	06/21/2024	29.70
16-uniform rental (minus payroll ded)- 05/22/2024	06/21/2024	6.48
Account 53920 - Laundry and Other Sanitation Services Totals	Invoice 3	\$42.66
	Transactions	
Program 160000 - Main Totals	Invoice 16	\$3,086.30
	Transactions	
Department 16 - Sanitation Totals	Invoice 16	\$3,086.30
	Transactions	
Fund 730 - Solid Waste (S6401) Totals	Invoice 16	\$3,086.30
	Transactions	

Fund 800 - Risk Management(S0203)

Department **10 - Legal**

Program **100000 - Main**

Account 52430 - Uniforms and Tools

8613 - Crane's Leather & Shoe Shop, INC	10-safety shoes-C. Johnson (10M)-5/28/24	06/21/2024	100.00
8613 - Crane's Leather & Shoe Shop, INC	10-safety shoes-D. Douglas (13W)-5/20/24	06/21/2024	100.00
8613 - Crane's Leather & Shoe Shop, INC	10-safety shoes-G. Flynn (8D)-5/28/24	06/21/2024	100.00
8613 - Crane's Leather & Shoe Shop, INC	10-safety shoes-J. Werner (9M)-5/18/24	06/21/2024	100.00
8613 - Crane's Leather & Shoe Shop, INC	10-safety shoes-J. Ruthenburg (12D)-5/22/24	06/21/2024	99.00
8613 - Crane's Leather & Shoe Shop, INC	10-safety shoes-K. Larmon (13EE)-5/15/24	06/21/2024	100.00
8613 - Crane's Leather & Shoe Shop, INC	10-safety shoes-M. Kinser (10 EE)-5/30/24	06/21/2024	100.00



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8613 - Crane's Leather & Shoe Shop, INC	10-safety shoes-N. McCallister (9.5M)-5/20/24	06/21/2024	97.50
8613 - Crane's Leather & Shoe Shop, INC	10-safety shoes-R. Jackson (11.5M)-5/28/24	06/21/2024	100.00
8613 - Crane's Leather & Shoe Shop, INC	10-safety shoes-S. Pederson (11D)-5/21/24	06/21/2024	100.00
8613 - Crane's Leather & Shoe Shop, INC	10-safety shoes-T. Bruce-Rainey (6.5M)-5/15/24	06/21/2024	100.00
8613 - Crane's Leather & Shoe Shop, INC	10-safety shoes-T. Jacobs (9D)-5/15/24	06/21/2024	100.00
8613 - Crane's Leather & Shoe Shop, INC	10-safety shoes-T. Axsom (10.5 EE)-5/21/24	06/21/2024	100.00
8613 - Crane's Leather & Shoe Shop, INC	10-safety shoes-T. Covey (13W)-5/16/24	06/21/2024	100.00
8613 - Crane's Leather & Shoe Shop, INC	10-safety shoes-T. Morrison (10.5D)-5/16/24	06/21/2024	100.00
8613 - Crane's Leather & Shoe Shop, INC	10-safety shoes-Z. Eads (11D)-5/22/24	06/21/2024	100.00

Account 52430 - Uniforms and Tools Totals	Invoice 16	\$1,596.50
	Transactions	

Account **53130 - Medical**

7377 - Zachary D Eads	10-reimb for CDL physical-5/22/24	06/21/2024	100.00
5918 - Ryan W Hillenburg	10-reimb for CDL physical-5/16/24	06/21/2024	100.00
7541 - Anthony L Robertson	10-reimb for CDL physical-4/25/24	06/21/2024	100.00

Account 53130 - Medical Totals	Invoice 3	\$300.00
	Transactions	

Program 100000 - Main Totals	Invoice 19	\$1,896.50
	Transactions	

Department 10 - Legal Totals	Invoice 19	\$1,896.50
	Transactions	

Fund 800 - Risk Management(S0203) Totals	Invoice 19	\$1,896.50
	Transactions	

Fund **801 - Health Insurance Trust**

Department **12 - Human Resources**

Program **120000 - Main**

Account **53990 - Other Services and Charges**

18539 - Life Insurance Company Of North America	12-June 2024, Bill Ref # 103094_06/07/2024	06/21/2024	4,044.00
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8609 - LoCascio Hadden & Dennis, LLC (LHD Benefit Advisor)	12-Near-Site Employer Clinic Support June 2024	06/21/2024	2,600.00
Account 53990 - Other Services and Charges Totals		Invoice 2	\$6,644.00
Account 53990.1201 - Other Services and Charges Health Insurance		Transactions	
17785 - The Howard E. Nyhart Company, INC	12-Nyhart GASB FYE 12/31/2023-Actuarial Serv thru 4/30/24	06/21/2024	2,750.00
Account 53990.1201 - Other Services and Charges Health Insurance Totals		Invoice 1	\$2,750.00
Account 53990.1278 - Other Services and Charges Disability LTD		Transactions	
18539 - Life Insurance Company Of North America	12-June 2024, Bill Ref # 103094_06/07/2024	06/21/2024	10,841.00
Account 53990.1278 - Other Services and Charges Disability LTD Totals		Invoice 1	\$10,841.00
		Transactions	
Program 120000 - Main Totals		Invoice 4	\$20,235.00
		Transactions	
Department 12 - Human Resources Totals		Invoice 4	\$20,235.00
		Transactions	
Fund 801 - Health Insurance Trust Totals		Invoice 4	\$20,235.00
		Transactions	
Fund 802 - Fleet Maintenance(\$9500)			
Department 17 - Fleet Maintenance			
Program 170000 - Main			
Account 52230 - Garage and Motor Supplies			
50605 - Bauer Built, INC	17 - scrap tire disposal (30)- 6/3/24	06/21/2024	150.00
50605 - Bauer Built, INC	17 - various Tires repaired- 6/3/2024	06/21/2024	1,703.68
50605 - Bauer Built, INC	17 - various tires repaired - 5/29/2024	06/21/2024	2,111.96
50605 - Bauer Built, INC	17 - various tires repaired - 5/22/2024	06/21/2024	5,913.38
50605 - Bauer Built, INC	17 - various tires repaired for inventory - 5/22/2024	06/21/2024	6,131.74
4693 - Monroe County Tire & Supply, INC	17-4 Goodyear wrangler AT tires for 856	06/21/2024	725.00
4693 - Monroe County Tire & Supply, INC	17 - (2) Goodyear Wrangler AT ADV tires for 665	06/21/2024	272.50
Account 52230 - Garage and Motor Supplies Totals		Invoice 7	\$17,008.26
		Transactions	



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Account 52240 - Fuel and Oil

613 - Hoosier Penn Oil Company, INC	17 - Automatic transmission Fluid - 5/28/2024	06/21/2024	2,091.56
613 - Hoosier Penn Oil Company, INC	17 - 200 Gals ea. of 5W20 & 5W40 oil	06/21/2024	6,936.96
7854 - Premier AG CO-OP, INC (Premier Energy)	17-diesel-B20 PDX4 Clear on Road (7,283 gallons)- BC 2023-105B 5/30/24	06/21/2024	22,381.39
7854 - Premier AG CO-OP, INC (Premier Energy)	17-unleaded fuel (7,974 gallons)-5/31/24 BC 2023-105B	06/21/2024	27,249.55
7854 - Premier AG CO-OP, INC (Premier Energy)	17-unleaded fuel (7,904 gallons)-5/24/24 BC 2023-105B	06/21/2024	27,849.74
Account 52240 - Fuel and Oil Totals		Invoice 5 Transactions	\$86,509.20

Account 52320 - Motor Vehicle Repair

8541 - Amazon.com Sales, INC (Amazon.com Services LLC)	17 - Starter Solenoid and starter switch ignition kev for 452	06/21/2024	44.30
8541 - Amazon.com Sales, INC (Amazon.com Services LLC)	17 - plastic document holder for 693, car reg. & ins. holder-886	06/21/2024	49.38
8541 - Amazon.com Sales, INC (Amazon.com Services LLC)	17-crank case ventilation separator kit-4 sanitatation trucks	06/21/2024	1,139.96
244 - Bloomington Ford, INC	17 - Cylinder cover for 124	06/21/2024	99.62
244 - Bloomington Ford, INC	17 - luggage handle & Switch Assembly for 848	06/21/2024	148.19
244 - Bloomington Ford, INC	17 - Radiator assembly for 124	06/21/2024	292.29
244 - Bloomington Ford, INC	17-Unit #410-parts/labor-exhaust leaking from manifolds	06/21/2024	504.23
5792 - Clark Truck Equipment Co., INC	17 - motor for 631	06/21/2024	445.00
5792 - Clark Truck Equipment Co., INC	17 - credit for return (2) sprockets	06/21/2024	(60.00)
594 - Curry Auto Center, INC	17 - SL-N-Filter for 462	06/21/2024	31.99
594 - Curry Auto Center, INC	17 - SL-N-Tank for 875	06/21/2024	116.42
3560 - First Financial Bank / Credit Cards	17-Creative Bus Sales - Bus seat belt part	06/21/2024	36.52
3560 - First Financial Bank / Credit Cards	17 - New Holland cover cap & reservoir tractor part	06/21/2024	196.00
4046 - Heritage-Crystal Clean, INC	17 - bulk antifreeze	06/21/2024	680.36
455 - Industrial Service & Supply, INC	17 - return hose & SS T-Bolt clamp for 4741	06/21/2024	55.50



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455 - Industrial Service & Supply, INC	17 - various Pro-wraps	06/21/2024	1,057.32
796 - Interstate Battery System of Bloomington, INC	17-batteries-SP-45	06/21/2024	75.00
796 - Interstate Battery System of Bloomington, INC	17-batteries-31-MHD, MT-26R, MTP-65HD	06/21/2024	334.28
796 - Interstate Battery System of Bloomington, INC	17-batteries-31-MHD, MTP-65HD	06/21/2024	1,262.76
5168 - Jasper Engine Exchange, INC	17 - #462 transmission and transfer case	06/21/2024	2,114.00
5168 - Jasper Engine Exchange, INC	17 - #462 transmission and transfer case	06/21/2024	3,602.00
5168 - Jasper Engine Exchange, INC	17 - credit for warranty Labor & fluids -Unit #419	06/21/2024	(610.00)
4439 - JX Enterprises, INC	17 - Radiator hose & Constant tension clamp for 950	06/21/2024	39.78
4439 - JX Enterprises, INC	17 - washer bottle assembly for 455	06/21/2024	102.99
4439 - JX Enterprises, INC	17 - Radiator lower hose for 950	06/21/2024	137.99
4439 - JX Enterprises, INC	17-water lower mbend pipe,hose, clamp-#950	06/21/2024	150.84
4439 - JX Enterprises, INC	17 - Gasket and various clamps for 425	06/21/2024	211.31
4439 - JX Enterprises, INC	17 - Assembly parts & A/C hose for 950	06/21/2024	319.99
4439 - JX Enterprises, INC	17 - Assembly parts for 950	06/21/2024	481.71
4439 - JX Enterprises, INC	17 - Condenser assembly for 950	06/21/2024	555.99
4439 - JX Enterprises, INC	17-#950-sealing washer kit, pressure switch, driver. hose.	06/21/2024	568.43
4439 - JX Enterprises, INC	17-credit-returned exhaust clamp-Inv 27366620P	06/21/2024	(10.65)
4439 - JX Enterprises, INC	17-credit-returned Turbo coolant drain tube-#27350865P	06/21/2024	(88.82)
4439 - JX Enterprises, INC	17-credit-returned washer bottle assembly-#27366929P	06/21/2024	(102.99)
4439 - JX Enterprises, INC	17-credit-returned Air tank u bolts (2)-Inv 27339528P	06/21/2024	(155.98)
4439 - JX Enterprises, INC	17-credit-returned Nitrogen oxide D-Sensor-Inv 27350085P	06/21/2024	(180.77)
2974 - MacAllister Machinery Co, INC	17 - Support Assembly for 484 (2nd one)	06/21/2024	304.32
2974 - MacAllister Machinery Co, INC	17 - Fuel Element & SEP Element, Air filter, HYD Filter & Elemen	06/21/2024	350.96



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53385 - O'Reilly Automotive Stores, INC	17 - PCV Valve for 124	06/21/2024	5.03
53385 - O'Reilly Automotive Stores, INC	17 - Crankshaft Seal for 124	06/21/2024	7.65
53385 - O'Reilly Automotive Stores, INC	17 - Barometric Pressure Sensor Connector for 856	06/21/2024	32.47
53385 - O'Reilly Automotive Stores, INC	17 - Radiator for 126	06/21/2024	149.39
53385 - O'Reilly Automotive Stores, INC	17 - Alternator for 483	06/21/2024	233.79
53385 - O'Reilly Automotive Stores, INC	17 - credit for return Radiator on Inv# 1903-436492	06/21/2024	(149.39)
16069 - Palmer Trucks, INC	17 - 772 hose assemble	06/21/2024	243.38
4608 - Reliable Transmission Service-Midwest, INC	17-#395 parts & labor to repair transmission	06/21/2024	978.82
786 - Richard's Small Engine, INC	17 - #660 blades	06/21/2024	141.78
476 - Southern Indiana Parts, INC (Napa Auto Parts)	17 - various parts for various vehicles-May 2024	06/21/2024	4,711.25
54351 - Sternberg, INC	17 - core return credit	06/21/2024	(250.00)
54351 - Sternberg, INC	17 - Bushing for 692	06/21/2024	90.48
54351 - Sternberg, INC	17 - 2 different sensors for 425	06/21/2024	1,217.22
54351 - Sternberg, INC	17 - #938 parts and labor to repair exhaust	06/21/2024	1,968.61
5333 - Total Truck Parts, INC	17 - #4741 dump pump	06/21/2024	612.52
5333 - Total Truck Parts, INC	17 - #677 SS 4" clamp, seal	06/21/2024	123.57
5333 - Total Truck Parts, INC	17 - #963 3-way valve	06/21/2024	187.63
5333 - Total Truck Parts, INC	17 - #963 clutch	06/21/2024	2,123.48
622 - Truck Country of Indiana, INC (Stoops Freightliner)	17 - u- joint for 677	06/21/2024	53.95
622 - Truck Country of Indiana, INC (Stoops Freightliner)	17 - #964 parts & labor for repair to coolant valve	06/21/2024	988.72
622 - Truck Country of Indiana, INC (Stoops Freightliner)	17 - #964 parts and labor- replace heater core	06/21/2024	2,987.10
7555 - VoMac Truck Sales & Service INC	17 - Control valve for 957	06/21/2024	307.26
7555 - VoMac Truck Sales & Service INC	17 - Air Dryer for 962	06/21/2024	715.69



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2096 - West Side Tractor Sales CO.	17 - Filter & air filter for 4831	06/21/2024	94.71
2096 - West Side Tractor Sales CO.	17 - drain valve for 456	06/21/2024	104.04
2096 - West Side Tractor Sales CO.	17 - Oil filters, filter elements, oil, plus-50 TM Engine oil	06/21/2024	847.69
8183 - XL Parts LLC (XL Parts/Dealer Service Warehouse)	17 - Rubber tip Univ. TPMS for 856	06/21/2024	28.00
8183 - XL Parts LLC (XL Parts/Dealer Service Warehouse)	17 - Thermostat Assembly & seal for 124	06/21/2024	29.52
8183 - XL Parts LLC (XL Parts/Dealer Service Warehouse)	17 - Tire pressure sensor assembly for 920	06/21/2024	62.84
8183 - XL Parts LLC (XL Parts/Dealer Service Warehouse)	17 - Remanufactured Fuel injector for 1206	06/21/2024	64.89
8183 - XL Parts LLC (XL Parts/Dealer Service Warehouse)	17 - fluid reservoir for 408	06/21/2024	72.09
8183 - XL Parts LLC (XL Parts/Dealer Service Warehouse)	17 - Brake lining kit & brake lining assembly for 1220	06/21/2024	211.92
8183 - XL Parts LLC (XL Parts/Dealer Service Warehouse)	17 - cooling fan motor assembly for 126	06/21/2024	236.62
Account 52320 - Motor Vehicle Repair Totals		Invoice 71 Transactions	<u>\$33,532.94</u>
Account 52420 - Other Supplies			
177 - Indiana Oxygen Company, INC	17 - torch and welding gases - 5/31/2024	06/21/2024	298.53
8658 - Kleindorfer's Hardware LLC	17 - two bolts for 472	06/21/2024	2.20
8658 - Kleindorfer's Hardware LLC	17 - bolt & Slat spacer	06/21/2024	4.37
8181 - Lawson Products, INC	17-supplies-connectors, cable ties, screws, drill bits. bolts	06/21/2024	709.32
6216 - Terminal Supply, INC	17-drill bits, pigtails, air fittings, connector, relay	06/21/2024	217.41
6216 - Terminal Supply, INC	17 - Led Flood lamps & 11" mini lightbar with clamp	06/21/2024	737.04
Account 52420 - Other Supplies Totals		Invoice 6 Transactions	<u>\$1,968.87</u>
Account 53130 - Medical			
231 - IU Health OCC Health Services	17-DS DOT 5 Panel E Screen-J. Smith-4/23/24	06/21/2024	50.00
231 - IU Health OCC Health Services	17-DS DOT 5 Panel E Screen-K. Arthur-4/23/24	06/21/2024	50.00
231 - IU Health OCC Health Services	17-DS DOT 5 Panel E Screen-K. Sharp-5/14/24	06/21/2024	50.00



Board of Public Works Claim Register

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231 - IU Health OCC Health Services	17-DS DOT 5 Panel E Screen-M. Sciscoe-4/23/24	06/21/2024	50.00
	Account 53130 - Medical Totals	Invoice 4 Transactions	<u>\$200.00</u>
Account 53140 - Exterminator Services			
51538 - Economy Termite & Pest Control, INC	17-monthly pest control-5/21/24	BC 2023-070 06/21/2024	95.00
	Account 53140 - Exterminator Services Totals	Invoice 1 Transactions	<u>\$95.00</u>
Account 53610 - Building Repairs			
321 - Harrell Fish, INC (HFI)	17-repaired relief valve at car wash due to water leak-5/13/24	BC 2023-075 06/21/2024	1,725.09
	Account 53610 - Building Repairs Totals	Invoice 1 Transactions	<u>\$1,725.09</u>
Account 53620 - Motor Repairs			
244 - Bloomington Ford, INC	17-Unit #410-parts/labor-exhaust leaking from manifolds	06/21/2024	612.50
4474 - Ken's Westside Service & Towing, LLC	17-tow-Unit #1225-5/23/24	06/21/2024	120.00
4474 - Ken's Westside Service & Towing, LLC	17-towing Unit 316-5/29/24	06/21/2024	95.00
4474 - Ken's Westside Service & Towing, LLC	17-towing Unit 884-5/24/24	06/21/2024	325.00
4608 - Reliable Transmission Service-Midwest, INC	17-#395 parts & labor to repair transmission	06/21/2024	3,673.75
54351 - Sternberg, INC	17 - #938 parts and labor to repair exhaust	06/21/2024	876.00
622 - Truck Country of Indiana, INC (Stoops Freightliner)	17 - #964 parts & labor for repair to coolant valve	06/21/2024	2,940.00
622 - Truck Country of Indiana, INC (Stoops Freightliner)	17 - #964 parts and labor- replace heater core	06/21/2024	4,242.75
	Account 53620 - Motor Repairs Totals	Invoice 8 Transactions	<u>\$12,885.00</u>
Account 53640 - Hardware and Software Maintenance			
8143 - Cummins INC dba Cummins Sales and Service	17 - renewal of Insite Pro software subscription	06/21/2024	770.00
	Account 53640 - Hardware and Software Maintenance Totals	Invoice 1 Transactions	<u>\$770.00</u>
Account 53920 - Laundry and Other Sanitation Services			
19171 - Vestis Group, INC (FKA Aramark)	17 - city portion of uniform rentals - 5/29/2024	06/21/2024	27.13



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19171 - Vestis Group, INC (FKA Aramark)	17 - mat rentals and shop towels- 5/29/2024	06/21/2024	93.35
Account 53920 - Laundry and Other Sanitation Services Totals		Invoice 2	\$120.48
Account 53990 - Other Services and Charges		Transactions	
3560 - First Financial Bank / Credit Cards	17-BMV-title fees for City vehicle 271	06/21/2024	15.00
9241 - Gannett Media Corp (Gannett Indiana/Kentucky)	17 - advertise of surplus property & equipment	06/21/2024	185.00
Account 53990 - Other Services and Charges Totals		Invoice 2	\$200.00
Program 170000 - Main Totals		Transactions	
Department 17 - Fleet Maintenance Totals		Invoice 108	\$155,014.84
Fund 802 - Fleet Maintenance(\$9500) Totals		Transactions	
Fund 804 - Insurance Voluntary Trust		Invoice 108	\$155,014.84
Department 12 - Human Resources		Transactions	
Program 120000 - Main		Invoice 108	\$155,014.84
Account 53990.1271 - Other Services and Charges Section 125 - URM- City		Transactions	
17785 - The Howard E. Nyhart Company, INC	12-City URM	06/10/2024	245.13
17785 - The Howard E. Nyhart Company, INC	12-City URM	06/10/2024	114.99
Account 53990.1271 - Other Services and Charges Section 125 - URM- City Totals		Invoice 2	\$360.12
Account 53990.1273 - Other Services and Charges Term Life		Transactions	
18539 - Life Insurance Company Of North America	12-June 2024, Bill Ref # 103094_06/07/2024	06/21/2024	20,507.17
Account 53990.1273 - Other Services and Charges Term Life Totals		Invoice 1	\$20,507.17
Account 53990.1277 - Other Services and Charges Disability STD		Transactions	
18539 - Life Insurance Company Of North America	12-June 2024, Bill Ref # 103094_06/07/2024	06/21/2024	10,406.85
Account 53990.1277 - Other Services and Charges Disability STD Totals		Invoice 1	\$10,406.85
Program 120000 - Main Totals		Transactions	
		Invoice 4	\$31,274.14
		Transactions	



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Fund **805 - Unemployment Comp Non-Reverting**

Department **12 - Human Resources**

Program **120000 - Main**

Account **51240 - Unemployment Compensation**

204 - State Of Indiana

Department 12 - Human Resources Totals	Invoice 4	\$31,274.14
	Transactions	
Fund 804 - Insurance Voluntary Trust Totals	Invoice 4	\$31,274.14
	Transactions	
12-June 2024 Unemployment-City Portion	06/21/2024	1,510.00
Account 51240 - Unemployment Compensation Totals	Invoice 1	\$1,510.00
	Transactions	
Program 120000 - Main Totals	Invoice 1	\$1,510.00
	Transactions	
Department 12 - Human Resources Totals	Invoice 1	\$1,510.00
	Transactions	
Fund 805 - Unemployment Comp Non-Reverting Totals	Invoice 1	\$1,510.00
	Transactions	
Grand Totals	Invoice 449	\$1,615,961.26
	Transactions	

REGISTER OF CLAIMS
Board of Public Works Claim Register

Date:	Type of Claim	FUND	Description	Bank Transfer	Amount
06/21/24	Claims				\$1,615,961.26

\$1,615,961.26

ALLOWANCE OF CLAIMS

We have examined the claims listed on the foregoing register of claims, consisting of claims, and except for the claims not allowed as shown on the register, such claims are hereby allowed in the total amount of \$1,615,961.26

Dated this 18th day of June year of 2024.

Kyla Cox Deckard, President

Elizabeth Karon, Vice President

James Roach, Secretary

I hereby certify that each of the above listed voucher(s) or bill(s) is (are) true and correct and I have audited same in accordance with IC 5-11-10-1.6.

Fiscal Office _____