CITY OF URBANA
BICYCLE AND PEDESTRIAN ADVISORY COMMISSION MEETING

DATE: Tuesday, December 17, 2024
TIME: 7:00 PM
PLACE: 400 South Vine Street, Urbana, IL 61801

AGENDA

A. Call to Order and Roll Call

B. Changes to the Agenda

C. Approval of Minutes of Previous Meeting

D. Public Input and Commissioner Communications

E. Unfinished Business

1. E-Bike Battery Safety Discussion - Ryan Franks

F. Reports of City Officials and Staff and Reports of Committees

1. Bakers Lane Shared-Use Path, Preliminary Plan Presentation - John Zeman

G. New Business

1. Equity and Quality of Life (EQL) FY25 Program - John Zeman

H. Announcements

I. Future Topics

J. Adjournment

All City meetings are broadcast on Urbana Public Television and live-streamed on the web. Details on how to watch are found on the UPTV webpage located at https://urbanaillinois.us/uptv

D-Series Size 0
LED Area Luminaire

Catalog Number

Item F1.

Notes

Type

Hit the Tab key or mouse over the page to see all interactive elements.

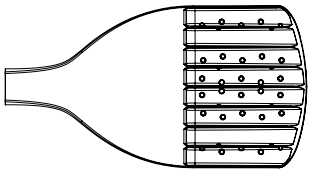
Introduction

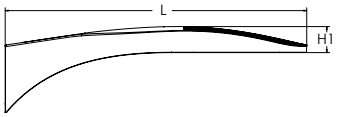
The modern styling of the D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

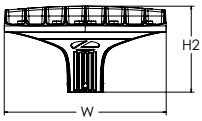
The photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. D-Series outstanding photometry aids in reducing the number of poles required in area lighting applications, with typical energy savings of 70% and expected service life of over 100,000 hours.

Specifications

EPA:	0.44 ft² (0.04 m²)
Length:	26.18" (66.5 cm)
Width:	14.06" (35.7 cm)
Height H1:	2.26" (5.7 cm)
Height H2:	7.46" (18.9 cm)
Weight:	23 lbs (10.4 kg)







Design Select options indicated by this color background.

design select

Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.
*See ordering tree for details

Ordering Information

EXAMPLE: DSX0 LED P6 40K 70CRI T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX0 LED

Series	LEDs	Color temperature [2]	Color Rendering Index [2]	Distribution		Voltage	Mounting
DSX0 LED	**Forward optics** P1 P5 P2 P6 P3 P7 P4 **Rotated optics** P10 [1] P12 [1] P11 [1] P13 [1]	(this section 70CRI only) 30K 3000K 40K 4000K 50K 5000K (this section 80CRI only, extended lead times apply) 27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K	70CRI 70CRI 70CRI 80CRI 80CRI 80CRI 80CRI 80CRI	AFR Automotive front row T1S Type I short T2M Type II medium T3M Type III medium T3LG Type III low glare [3] T4M Type IV medium T4LG Type IV low glare [3] TFTM Forward throw medium	T5M Type V medium T5LG Type V low glare T5W Type V wide BLC3 Type III backlight control [3] BLC4 Type IV backlight control [3] LCCO Left corner cutoff [3] RCCO Right corner cutoff [3]	MVOLT (120V-277V) [4] HVOLT (347V-480V) [5,6] XVOLT (277V-480V) [7,8] 120 [16,24] 208 [16,24] 240 [16,24] 277 [16,24] 347 [16,24] 480 [16,24]	**Shipped included** SPA Square pole mounting (#8 drilling, 3.5" min. SQ pole) RPA Round pole mounting (#8 drilling, 3" min. RND pole) SPA5 Square pole mounting (#5 drilling. 3" min. SQ pole) [9] RPA5 Round pole mounting (#5 drilling, 3" min. RND pole) [9] SPA8N Square narrow pole mounting (#8 drilling, 3" min. SQ pole) WBA Wall bracket [10] MA Mast arm adapter (mounts on 2 3/8" OD horizontal tenon)

Control options

Shipped installed

NLTAIR2 PIRHN	nLight AIR gen 2 enabled with bi-level motion / ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc. [11,12,18,19]
PIR	High/low, motion/ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc [13,18,19]
PER	NEMA twist-lock receptacle only (controls ordered separate) [14]
PER5	Five-pin receptacle only (controls ordered separate) [14,19]
PER7	Seven-pin receptacle only (controls ordered separate) [14,19]
FAO	Field adjustable output [15,19]
BL30	Bi-level switched dimming, 30% [16,19]
BL50	Bi-level switched dimming, 50% [16,19]
DMG	0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) [17]

Other options

Shipped installed

HS	Houseside shield (black finish standard) [20]
L90	Left rotated optics [1]
R90	Right rotated optics [1]
CCE	Coastal Construction [21]
HA	50°C ambient operation [22]
BAA	Buy America(n) Act and/or Build America Buy America Qualified
SF	Single fuse (120, 277, 347V) [24]
DF	Double fuse (208, 240, 480V) [24]

Shipped separately

EGSR	External Glare Shield (reversible, field install required, matches housing finish)
BSDB	Bird Spikes (field install required)

Finish *(required)*

DDBXD	Dark Bronze
DBLXD	Black
DNAXD	Natural Aluminum
DWHXD	White
DDBTXD	Textured dark bronze
DBLBXD	Textured black
DNATXD	Textured natural aluminum
DWHGXD	Textured white

Ordering Information

Accessories

Ordered and shipped separately.

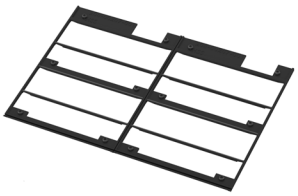
DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) [23]
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) [23]
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) [23]
DSHORT SBK	Shorting cap [23]
DSX0HS P#	House-side shield (enter package number P1-7, P10-13 in place of #)
DSXRPA (FINISH)	Round pole adapter (#8 drilling, specify finish)
DSXRPA5 (FINISH)	Round pole adapter #5 drilling (specify finish)
DSXSPA5 (FINISH)	Square pole adapter #5 drilling (specify finish)
DSX0EGSR (FINISH)	External glare shield (specify finish)
DSX0BSDB (FINISH)	Bird spike deterrent bracket (specify finish)

NOTES

1 Rotated optics available with packages P10, P11, P12 and P13. Must be combined with option L90 or R90.
2 30K, 40K, and 50K available in 70CRI and 80CRI. 27K and 35K only available with 80CRI. Contact Technical Support for other possible combinations.
3 T3LG, T4LG, BLC3, BLC4, LCCO, RCCO not available with option HS.
4 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
5 HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
6 HVOLT not available with package P1, P2 and P10 when combined with option NLTAIR2 PIRHN or option PIR.
7 XVOLT operates with any voltage between 277V and 480V (50/60 Hz).
8 XVOLT not available in packages P1, P2 or P10. XVOLT not available with fusing (SF or DF).
9 SPA5 and RPA5 for use with #5 drilling only (Not for use with #8 drilling).
10 WBA cannot be combined with Type 5 distributions plus photocell (PER).
11 NLTAIR2 and PIRHN must be ordered together. For more information on nLight Air 2.
12 NLTAIR2 PIRHN not available with other controls including PIR, PER, PER5, PER7, FAO, BL30, BL50 and DMG. NLTAIR2 PIRHN not available with P1, P2 and P10 using HVOLT. NLTAIR2 PIRHN not available with P1, P2 and P10 using XVOLT. NLTAIR2 PIRHN not available with P1 using MVOLT.
13 PIR not available with NLTAIR2, PER, PER5, PER7, FAO BL30, BL50 and DMG. PIR not available with P1, P2 and P10 using HVOLT. PIR not available with P1, P2 and P10 using XVOLT. PIR not available with P1 using MVOLT.
14 PER/PER5/PER7 not available with NLTAIR2, PIR, BL30, BL50. Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included.
15 FAO not available with other dimming control options NLTAIR2 PIRHN, PIR, PER5, PER7, BL30, BL50, or DMG.
16 BL30 and BL50 are not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, FAO and DMG. BL30 or BL50 must specify 120 or 277V.
17 DMG not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, BL30, BL50 and FAO.
18 Reference Motion Sensor Default Settings table on page 4 to see functionality.
19 Reference Controls Options table on page 4.
20 Option HS not available with T3LG, T4LG, BLC3, BLC4, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
21 CCE option not available with option BS and EGSR. Contact Technical Support for availability.
22 Option HA not available with performance packages P6, P7, P12 and P13.
23 Requires luminaire to be specified with PER, PER5 or PER7 option. See Controls Table on page 4.
24 Single fuse (SF) requires 120V, 277V, or 347V. Double fuse (DF) requires 208V, 240V or 480V. XVOLT not available with fusing (SF or DF).

Shield Accessories

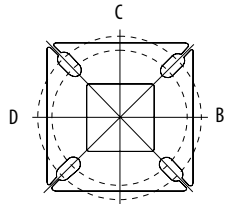
External Glare Shield (EGSR)

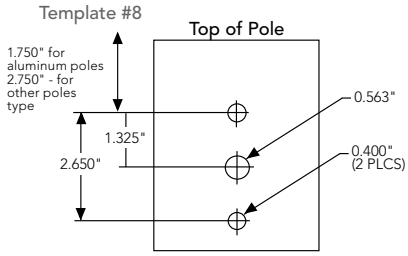


House Side Shield (HS)

Drilling

HANDHOLE ORIENTATION
(from top of pole)





Tenon Mounting Slipfitter

Tenon O.D.	Mounting	Single Unit	2 @ 180	2 @ 90	3 @ 90	3 @120	4 @ 90
2-3/8"	RPA	AS3-5 190	AS3-5 280	AS3-5 290	AS3-5 390	AS3-5 320	AS3-5 490
2-7/8"	RPA	AST25-190	AST25-280	AST25-290	AST25-390	AST25-320	AST25-490
4"	RPA	AST35-190	AST35-280	AST35-290	AST35-390	AST35-320	AST35-490

Mounting Option	Drilling Template	Single	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
Head Location		Side B	Side B & D	Side B & C	Side B, C & D	Round Pole Only	Side A, B, C & D
Drill Nomenclature	#8	DM19AS	DM28AS	DM29AS	DM39AS	DM32AS	DM49AS
		Minimum Acceptable Outside Pole Dimension					
SPA	#8	3.5"	3.5"	3.5"	3.5"		3.5"
RPA	#8	3"	3"	3"	3"	3"	3"
SPA5	#5	3"	3"	3"	3"		3"
RPA5	#5	3"	3"	3"	3"	3"	3"
SPA8N	#8	3"	3"	3"	3"		3"

DSX0 Area Luminaire - EPA

*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

Fixture Quantity & Mounting Configuration	Single DM19	2 @ 180 DM28	2 @ 90 DM29	3 @ 90 DM39	3 @ 120 DM32	4 @ 90 DM49
Mounting Type						
DSX0 with SPA	0.44	0.88	0.96	1.18	---	1.16
DSX0 with SPA5, SPA8N	0.51	1.02	1.06	1.26	---	1.29
DSX0 with RPA, RPA5	0.51	1.02	1.06	1.26	1.24	1.29
DSX0 with MA	0.64	1.28	1.24	1.67	1.70	1.93

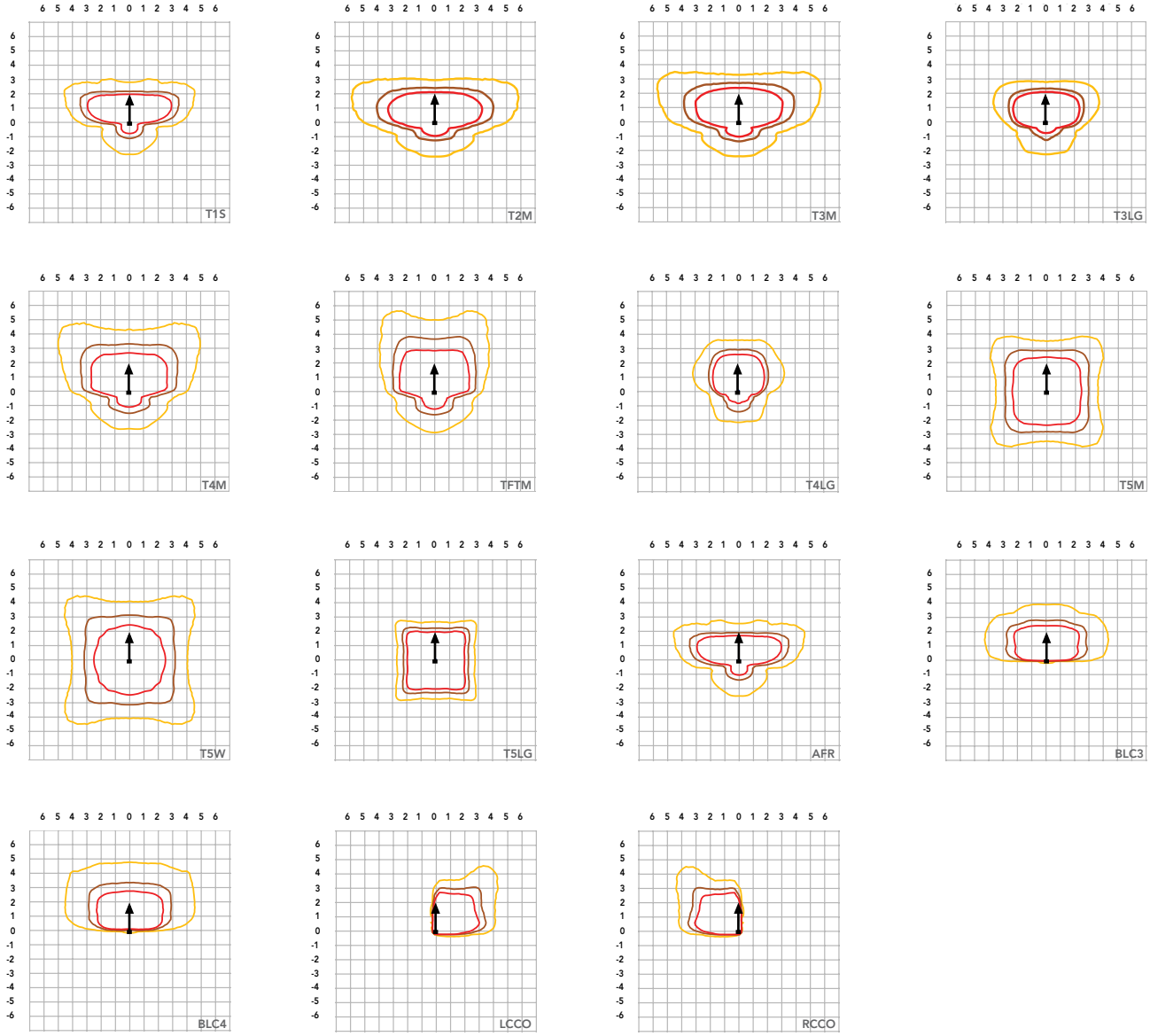
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's homepage.

Isofootcandle plots for the DSX0 LED P7 40K 70CRI. Distances are in units of mounting height (20').

LEGEND

- 0.1 fc
- 0.5 fc
- 1.0 fc



Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.04
5°C	41°F	1.04
10°C	50°F	1.03
15°C	50°F	1.02
20°C	68°F	1.01
25°C	**77°C**	**1.00**
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	Lumen Maintenance Factor
0	1.00
25,000	0.94
50,000	0.89
100,000	0.80

FAO Dimming Settings

FAO Position	% Wattage	% Lumen Output
8	100%	100%
7	93%	95%
6	80%	85%
5	66%	73%
4	54%	61%
3	41%	49%
2	29%	36%
1	15%	20%

*Note: Calculated values are based on original performance package data. When calculating new values for given FAO position, use published values for each package based on input watts and lumens by optic type.

Electrical Load

					Current (A)					
	Performance Package	LED Count	Drive Current (mA)	Wattage	120V	208V	240V	277V	347V	480V
Forward Optics (Non-Rotated)	P1	20	530	34	0.28	0.16	0.14	0.12	0.10	0.07
	P2	20	700	45	0.38	0.22	0.19	0.16	0.13	0.09
	P3	20	1050	69	0.57	0.33	0.29	0.25	0.20	0.14
	P4	20	1400	94	0.78	0.45	0.39	0.34	0.27	0.19
	P5	40	700	89	0.75	0.43	0.38	0.33	0.26	0.19
	P6	40	1050	136	1.14	0.66	0.57	0.49	0.39	0.29
	P7	40	1300	170	1.42	0.82	0.71	0.62	0.49	0.36
Rotated Optics (Requires L90 or R90)	P10	30	530	51	0.42	0.24	0.21	0.18	0.15	0.11
	P11	30	700	67	0.57	0.33	0.28	0.25	0.20	0.14
	P12	30	1050	103	0.86	0.50	0.43	0.37	0.30	0.22
	P13	30	1300	129	1.07	0.62	0.54	0.46	0.37	0.27

LED Color Temperature / Color Rendering Multipliers

	70 CRI		80CRI		90CRI	
	Lumen Multiplier	Availability	Lumen Multiplier	Availability	Lumen Multiplier	Availability
5000K	102%	Standard	92%	Extended lead-time	71%	(see note)
4000K	100%	Standard	92%	Extended lead-time	67%	(see note)
3500K	100%	(see note)	90%	Extended lead-time	63%	(see note)
3000K	96%	Standard	87%	Extended lead-time	61%	(see note)
2700K	94%	(see note)	85%	Extended lead-time	57%	(see note)

Note: Some LED types are available as per special request. Contact Technical Support for more information.

Motion Sensor Default Settings

Option	Unoccupied Dimmed Level	High Level (when occupied)	Photocell Operation	Dwell Time	Ramp-up Time	Dimming Fade Rate
PIR	30%	100%	Enabled @ 2FC	7.5 min	3 sec	5 min
NLTAIR2 PIRHN	30%	100%	Enabled @ 2FC	7.5 min	3 sec	5 min

Controls Options

Nomenclature	Description	Functionality	Primary control device	Notes
FAO	Field adjustable output device installed inside the luminaire; wired to the driver dimming leads.	Allows the luminaire to be manually dimmed, effectively trimming the light output.	FAO device	Cannot be used with other controls options that need the 0-10V leads
DS (not available on DSX0)	Drivers wired independently for 50/50 luminaire operation	The luminaire is wired to two separate circuits, allowing for 50/50 operation.	Independently wired drivers	Requires two separately switched circuits. Consider nLight AIR as a more cost effective alternative.
PER5 or PER7	Twist-lock photocell receptacle	Compatible with standard twist-lock photocells for dusk to dawn operation, or advanced control nodes that provide 0-10V dimming signals.	Twist-lock photocells such as DLL Elite or advanced control nodes such as ROAM.	Pins 4 & 5 to dimming leads on driver, Pins 6 & 7 are capped inside luminaire. Cannot be used with other controls options that need the 0-10V leads.
PIR	Motion sensor with integral photocell. Sensor suitable for 8' to 40' mounting height.	Luminaires dim when no occupancy is detected.	Acuity Controls rSBG	Cannot be used with other controls options that need the 0-10V leads.
NLTAIR2 PIRHN	nLight AIR enabled luminaire for motion sensing, photocell and wireless communication.	Motion and ambient light sensing with group response. Scheduled dimming with motion sensor over-ride when wirelessly connected to the nLight Eclypse.	nLight Air rSBG	nLight AIR sensors can be programmed and commissioned from the ground using the CIAIRity Pro app. Cannot be used with other controls options that need the 0-10V leads.
BL30 or BL50	Integrated bi-level device that allows a second control circuit to switch all light engines to either 30% or 50% light output	BLC device provides input to 0-10V dimming leads on all drivers providing either 100% or dimmed (30% or 50%) control by a secondary circuit	BLC UVOLT1	BLC device is powered off the 0-10V dimming leads, thus can be used with any input voltage from 120 to 480V

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

Forward Optics

Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P1	33W	20	530	T1S	4,906	1	0	1	148	5,113	1	0	1	154	5,213	1	0	1	157
				T2M	4,545	1	0	2	137	4,736	1	0	2	143	4,829	1	0	2	145
				T3M	4,597	1	0	2	138	4,791	1	0	2	144	4,885	1	0	2	147
				T3LG	4,107	1	0	1	124	4,280	1	0	1	129	4,363	1	0	1	131
				T4M	4,666	1	0	2	141	4,863	1	0	2	146	4,957	1	0	2	149
				T4LG	4,244	1	0	1	128	4,423	1	0	1	133	4,509	1	0	1	136
				TFTM	4,698	1	0	2	141	4,896	1	0	2	147	4,992	1	0	2	150
				T5M	4,801	3	0	1	145	5,003	3	0	1	151	5,101	3	0	1	154
				T5W	4,878	3	0	1	147	5,084	3	0	2	153	5,183	3	0	2	156
				T5LG	4,814	2	0	1	145	5,018	2	0	1	151	5,115	2	0	1	154
				BLC3	3,344	0	0	1	101	3,485	0	0	1	105	3,553	0	0	1	107
				BLC4	3,454	0	0	2	104	3,599	0	0	2	108	3,670	0	0	2	111
				RCCO	3,374	0	0	1	102	3,517	0	0	1	106	3,585	0	0	1	108
				LCCO	3,374	0	0	1	102	3,517	0	0	1	106	3,585	0	0	1	108
				AFR	4,906	1	0	1	148	5,113	1	0	1	154	5,213	1	0	1	157
P2	45W	20	700	T1S	6,328	1	0	1	140	6,595	1	0	1	146	6,724	1	0	1	149
				T2M	5,862	1	0	2	130	6,109	1	0	2	135	6,228	1	0	2	138
				T3M	5,930	1	0	3	131	6,180	1	0	3	137	6,301	1	0	3	140
				T3LG	5,297	1	0	1	117	5,521	1	0	1	122	5,628	1	0	1	125
				T4M	6,018	1	0	3	133	6,272	1	0	3	139	6,395	1	0	3	142
				T4LG	5,474	1	0	1	121	5,705	1	0	1	126	5,816	1	0	1	129
				TFTM	6,060	1	0	3	134	6,316	1	0	3	140	6,439	1	0	3	143
				T5M	6,192	3	0	1	137	6,453	3	0	2	143	6,579	3	0	2	146
				T5W	6,293	3	0	2	139	6,558	3	0	2	145	6,686	3	0	2	148
				T5LG	6,210	2	0	1	138	6,472	3	0	1	143	6,598	3	0	1	146
				BLC3	4,313	0	0	2	96	4,495	0	0	2	100	4,583	0	0	2	102
				BLC4	4,455	0	0	2	99	4,643	0	0	2	103	4,733	0	0	2	105
				RCCO	4,352	0	0	2	96	4,536	0	0	2	100	4,624	0	0	2	102
				LCCO	4,352	0	0	2	96	4,536	0	0	2	100	4,624	0	0	2	102
				AFR	6,328	1	0	1	140	6,595	1	0	1	146	6,724	1	0	1	149
P3	69W	20	1050	T1S	9,006	1	0	2	131	9,386	1	0	2	136	9,569	1	0	2	139
				T2M	8,343	2	0	3	121	8,694	2	0	3	126	8,864	2	0	3	129
				T3M	8,439	2	0	3	122	8,795	2	0	3	128	8,967	2	0	3	130
				T3LG	7,539	1	0	2	109	7,857	1	0	2	114	8,010	1	0	2	116
				T4M	8,565	2	0	3	124	8,926	2	0	3	129	9,100	2	0	3	132
				T4LG	7,790	1	0	2	113	8,119	1	0	2	118	8,277	1	0	2	120
				TFTM	8,624	1	0	3	125	8,988	1	0	3	130	9,163	2	0	3	133
				T5M	8,812	3	0	2	128	9,184	4	0	2	133	9,363	4	0	2	136
				T5W	8,955	4	0	2	130	9,333	4	0	2	135	9,515	4	0	2	138
				T5LG	8,838	3	0	1	128	9,211	3	0	1	134	9,390	3	0	1	136
				BLC3	6,139	0	0	2	89	6,398	0	0	2	93	6,522	0	0	2	95
				BLC4	6,340	0	0	3	92	6,607	0	0	3	96	6,736	0	0	3	98
				RCCO	6,194	1	0	2	90	6,455	1	0	2	94	6,581	1	0	2	95
				LCCO	6,194	1	0	2	90	6,455	1	0	2	94	6,581	1	0	2	95
				AFR	9,006	1	0	2	131	9,386	1	0	2	136	9,569	1	0	2	139
P4	93W	20	1400	T1S	11,396	1	0	2	122	11,877	1	0	2	128	12,109	2	0	2	130
				T2M	10,557	2	0	3	113	11,003	2	0	3	118	11,217	2	0	3	121
				T3M	10,680	2	0	3	115	11,130	2	0	3	120	11,347	2	0	3	122
				T3LG	9,540	1	0	2	103	9,942	1	0	2	107	10,136	1	0	2	109
				T4M	10,839	2	0	3	117	11,296	2	0	3	121	11,516	2	0	4	124
				T4LG	9,858	1	0	2	106	10,274	1	0	2	110	10,474	1	0	2	113
				TFTM	10,914	2	0	3	117	11,374	2	0	3	122	11,596	2	0	3	125
				T5M	11,152	4	0	2	120	11,622	4	0	2	125	11,849	4	0	2	127
				T5W	11,332	4	0	3	122	11,811	4	0	3	127	12,041	4	0	3	129
				T5LG	11,184	3	0	1	120	11,656	3	0	2	125	11,883	3	0	2	128
				BLC3	7,768	0	0	2	83	8,096	0	0	2	87	8,254	0	0	2	89
				BLC4	8,023	0	0	3	86	8,362	0	0	3	90	8,524	0	0	3	92
				RCCO	7,838	1	0	2	84	8,169	1	0	2	88	8,328	1	0	2	90
				LCCO	7,838	1	0	2	84	8,169	1	0	2	88	8,328	1	0	2	90
				AFR	11,396	1	0	2	122	11,877	1	0	2	128	12,109	2	0	2	130

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

Forward Optics

Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P5	90W	40	700	T1S	12,380	2	0	2	137	12,902	2	0	2	143	13,154	2	0	2	146
				T2M	11,468	2	0	3	127	11,952	2	0	3	133	12,185	2	0	3	135
				T3M	11,601	2	0	3	129	12,091	2	0	3	134	12,326	2	0	4	137
				T3LG	10,363	2	0	2	115	10,800	2	0	2	120	11,011	2	0	2	122
				T4M	11,774	2	0	4	131	12,271	2	0	4	136	12,510	2	0	4	139
				T4LG	10,709	1	0	2	119	11,160	2	0	2	124	11,378	2	0	2	126
				TFTM	11,856	2	0	3	132	12,356	2	0	4	137	12,596	2	0	4	140
				T5M	12,114	4	0	2	134	12,625	4	0	2	140	12,871	4	0	2	143
				T5W	12,310	4	0	3	137	12,830	4	0	3	142	13,080	4	0	3	145
				T5LG	12,149	3	0	2	135	12,662	3	0	2	141	12,908	3	0	2	143
				BLC3	8,438	0	0	2	94	8,794	0	0	2	98	8,966	0	0	2	99
				BLC4	8,715	0	0	3	97	9,083	0	0	3	101	9,260	0	0	3	103
				RCCO	8,515	1	0	2	94	8,874	1	0	2	98	9,047	1	0	2	100
				LCCO	8,515	1	0	2	94	8,874	1	0	2	98	9,047	1	0	2	100
				AFR	12,380	2	0	2	137	12,902	2	0	2	143	13,154	2	0	2	146
P6	137W	40	1050	T1S	17,545	2	0	3	128	18,285	2	0	3	133	18,642	2	0	3	136
				T2M	16,253	3	0	4	119	16,939	3	0	4	124	17,269	3	0	4	126
				T3M	16,442	2	0	4	120	17,135	3	0	4	125	17,469	3	0	4	128
				T3LG	14,687	2	0	2	107	15,306	2	0	2	112	15,605	2	0	2	114
				T4M	16,687	2	0	4	122	17,391	3	0	5	127	17,730	3	0	5	129
				T4LG	15,177	2	0	2	111	15,817	2	0	2	115	16,125	2	0	2	118
				TFTM	16,802	2	0	4	123	17,511	2	0	4	128	17,852	2	0	5	130
				T5M	17,168	4	0	2	125	17,893	5	0	3	131	18,241	5	0	3	133
				T5W	17,447	5	0	3	127	18,183	5	0	3	133	18,537	5	0	3	135
				T5LG	17,218	4	0	2	126	17,944	4	0	2	131	18,294	4	0	2	134
				BLC3	11,959	0	0	3	87	12,464	0	0	3	91	12,707	0	0	3	93
				BLC4	12,352	0	0	4	90	12,873	0	0	4	94	13,124	0	0	4	96
				RCCO	12,067	1	0	3	88	12,576	1	0	3	92	12,821	1	0	3	94
				LCCO	12,067	1	0	3	88	12,576	1	0	3	92	12,821	1	0	3	94
				AFR	17,545	2	0	3	128	18,285	2	0	3	133	18,642	2	0	3	136
P7	171W	40	1300	T1S	20,806	2	0	3	122	21,683	2	0	3	127	22,106	2	0	3	129
				T2M	19,273	3	0	4	113	20,086	3	0	4	118	20,478	3	0	4	120
				T3M	19,497	3	0	5	114	20,319	3	0	5	119	20,715	3	0	5	121
				T3LG	17,416	2	0	2	102	18,151	2	0	2	106	18,504	2	0	2	108
				T4M	19,787	3	0	5	116	20,622	3	0	5	121	21,024	3	0	5	123
				T4LG	17,997	2	0	2	105	18,756	2	0	2	110	19,121	2	0	2	112
				TFTM	19,924	3	0	5	117	20,765	3	0	5	122	21,170	3	0	5	124
				T5M	20,359	5	0	3	119	21,217	5	0	3	124	21,631	5	0	3	127
				T5W	20,689	5	0	3	121	21,561	5	0	3	126	21,982	5	0	3	129
				T5LG	20,418	4	0	2	120	21,279	4	0	2	125	21,694	4	0	2	127
				BLC3	14,182	0	0	3	83	14,780	0	0	3	87	15,068	0	0	3	88
				BLC4	14,647	0	0	4	86	15,265	0	0	4	89	15,562	0	0	4	91
				RCCO	14,309	1	0	3	84	14,913	1	0	3	87	15,204	1	0	3	89
				LCCO	14,309	1	0	3	84	14,913	1	0	3	87	15,204	1	0	3	89
				AFR	20,806	2	0	3	122	21,683	2	0	3	127	22,106	2	0	3	129

Performance Data

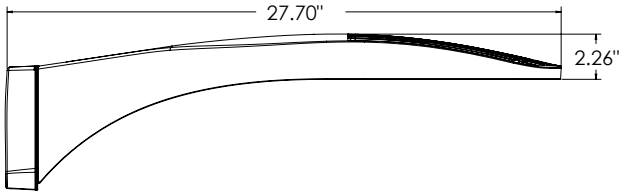
Lumen Output

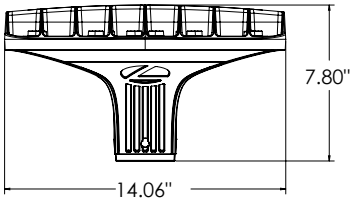
Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

Rotated Optics

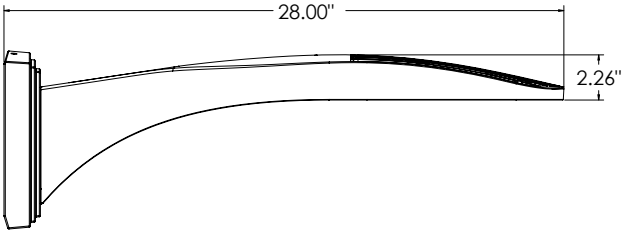
Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P10	51W	30	530	T1S	7,399	3	0	3	145	7,711	3	0	3	151	7,862	3	0	3	154
				T2M	6,854	3	0	3	135	7,144	3	0	3	140	7,283	3	0	3	143
				T3M	6,933	3	0	3	136	7,225	3	0	3	142	7,366	3	0	3	145
				T3LG	6,194	2	0	2	122	6,455	2	0	2	127	6,581	2	0	2	129
				T4M	7,036	3	0	3	138	7,333	3	0	3	144	7,476	3	0	3	147
				T4LG	6,399	2	0	2	126	6,669	2	0	2	131	6,799	2	0	2	134
				TFTM	7,086	3	0	3	139	7,385	3	0	3	145	7,529	3	0	3	148
				T5M	7,239	3	0	2	142	7,545	3	0	2	148	7,692	3	0	2	151
				T5W	7,357	3	0	2	145	7,667	3	0	2	151	7,816	4	0	2	154
				T5LG	7,260	3	0	1	143	7,567	3	0	1	149	7,714	3	0	1	152
				BLC3	5,043	3	0	3	99	5,256	3	0	3	103	5,358	3	0	3	105
				BLC4	5,208	3	0	3	102	5,428	3	0	3	107	5,534	3	0	3	109
				RCCO	5,089	0	0	2	100	5,303	0	0	2	104	5,407	0	0	2	106
				LCCO	5,089	0	0	2	100	5,303	0	0	2	104	5,407	0	0	2	106
				AFR	7,399	3	0	3	145	7,711	3	0	3	151	7,862	3	0	3	154
P11	68W	30	700	T1S	9,358	3	0	3	138	9,753	3	0	3	143	9,943	3	0	3	146
				T2M	8,669	3	0	3	127	9,034	3	0	3	133	9,211	3	0	3	135
				T3M	8,768	3	0	3	129	9,138	3	0	3	134	9,316	3	0	3	137
				T3LG	7,833	3	0	3	115	8,164	3	0	3	120	8,323	3	0	3	122
				T4M	8,899	3	0	3	131	9,274	3	0	3	136	9,455	3	0	3	139
				T4LG	8,093	3	0	3	119	8,435	3	0	3	124	8,599	3	0	3	126
				TFTM	8,962	3	0	3	132	9,340	3	0	3	137	9,522	3	0	3	140
				T5M	9,156	4	0	2	135	9,542	4	0	2	140	9,728	4	0	2	143
				T5W	9,304	4	0	2	137	9,696	4	0	2	143	9,885	4	0	2	145
				T5LG	9,182	3	0	1	135	9,569	3	0	1	141	9,756	3	0	1	143
				BLC3	6,378	3	0	3	94	6,647	3	0	3	98	6,777	3	0	3	100
				BLC4	6,587	3	0	3	97	6,865	3	0	3	101	6,999	3	0	3	103
				RCCO	6,436	0	0	2	95	6,707	0	0	2	99	6,838	0	0	2	101
				LCCO	6,436	0	0	2	95	6,707	0	0	2	99	6,838	0	0	2	101
				AFR	9,358	3	0	3	138	9,753	3	0	3	143	9,943	3	0	3	146
P12	103W	30	1050	T1S	13,247	3	0	3	128	13,806	3	0	3	134	14,075	3	0	3	136
				T2M	12,271	4	0	4	119	12,789	4	0	4	124	13,038	4	0	4	126
				T3M	12,412	4	0	4	120	12,935	4	0	4	125	13,187	4	0	4	128
				T3LG	11,089	3	0	3	107	11,556	3	0	3	112	11,782	3	0	3	114
				T4M	12,597	4	0	4	122	13,128	4	0	4	127	13,384	4	0	4	129
				T4LG	11,457	3	0	3	111	11,940	3	0	3	116	12,173	3	0	3	118
				TFTM	12,686	4	0	4	123	13,221	4	0	4	128	13,479	4	0	4	130
				T5M	12,960	4	0	2	125	13,507	4	0	2	131	13,770	4	0	2	133
				T5W	13,170	4	0	3	127	13,726	4	0	3	133	13,994	4	0	3	135
				T5LG	12,998	3	0	2	126	13,546	3	0	2	131	13,810	3	0	2	134
				BLC3	9,029	3	0	3	87	9,409	3	0	3	91	9,593	3	0	3	93
				BLC4	9,324	4	0	4	90	9,718	4	0	4	94	9,907	4	0	4	96
				RCCO	9,110	1	0	2	88	9,495	1	0	2	92	9,680	1	0	2	94
				LCCO	9,110	1	0	2	88	9,494	1	0	2	92	9,680	1	0	2	94
				AFR	13,247	3	0	3	128	13,806	3	0	3	134	14,075	3	0	3	136
P13	129W	30	1300	T1S	15,704	3	0	3	122	16,366	3	0	3	127	16,685	4	0	4	130
				T2M	14,547	4	0	4	113	15,161	4	0	4	118	15,457	4	0	4	120
				T3M	14,714	4	0	4	114	15,335	4	0	4	119	15,634	4	0	4	121
				T3LG	13,145	3	0	3	102	13,700	3	0	3	106	13,967	3	0	3	108
				T4M	14,933	4	0	4	116	15,563	4	0	4	121	15,867	4	0	4	123
				T4LG	13,582	3	0	3	105	14,155	3	0	3	110	14,431	3	0	3	112
				TFTM	15,039	4	0	4	117	15,673	4	0	4	122	15,979	4	0	4	124
				T5M	15,364	4	0	2	119	16,013	4	0	2	124	16,325	4	0	2	127
				T5W	15,613	5	0	3	121	16,272	5	0	3	126	16,589	5	0	3	129
				T5LG	15,409	3	0	2	120	16,059	3	0	2	125	16,372	4	0	2	127
				BLC3	10,703	4	0	4	83	11,155	4	0	4	87	11,372	4	0	4	88
				BLC4	11,054	4	0	4	86	11,520	4	0	4	89	11,745	4	0	4	91
				RCCO	10,800	1	0	2	84	11,256	1	0	2	87	11,475	1	0	3	89
				LCCO	10,800	1	0	2	84	11,255	1	0	2	87	11,475	1	0	3	89
				AFR	15,704	3	0	3	122	16,366	3	0	3	127	16,685	4	0	4	130

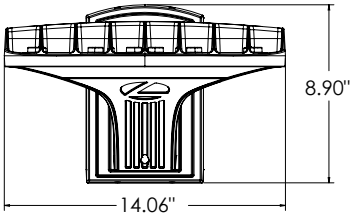
Dimensions



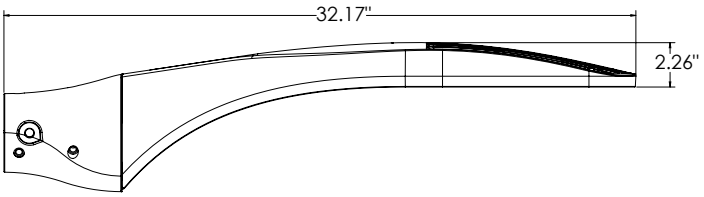


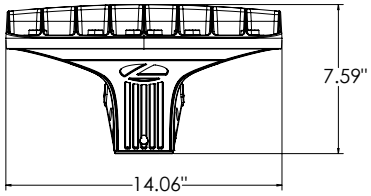
DSX0 with RPA, RPA5, SPA5, SPA8N mount
Weight: 25 lbs





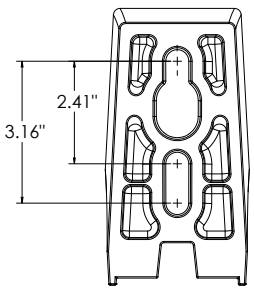
DSX0 with WBA mount
Weight: 27 lb



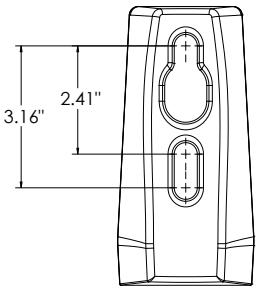


DSX0 with MA mount
Weight: 28 lbs

SPA (STANDARD ARM)



RPA



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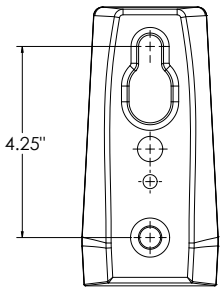
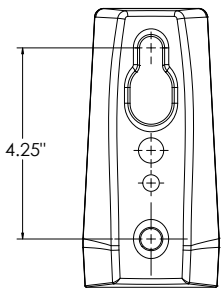


RPA5



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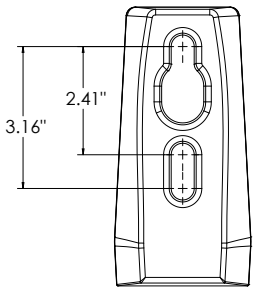
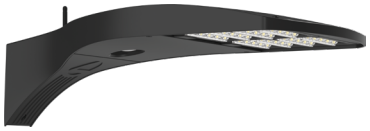
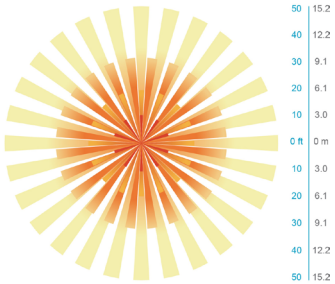


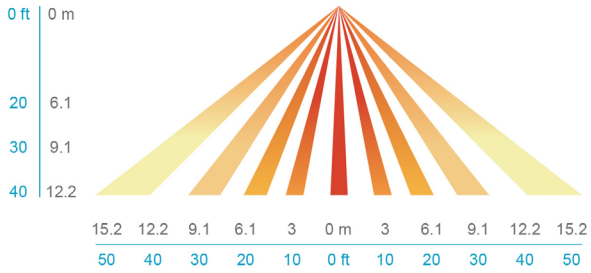
nLight Sensor Coverage Pattern

NLTAIR2 PIRHN





Top



Side

FEATURES & SPECIFICATIONS

INTENDED USE

The sleek design of the D-Series Size 0 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and pedestrian areas.

CONSTRUCTION

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED driver is mounted in direct contact with the casting to promote low operating temperature and long life. Housing driver compartment is completely sealed against moisture and environmental contaminants (IP66). Vibration rated per ANSI C136.31 for 3G. Low EPA (0.44 ft²) for optimized pole wind loading.

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

COASTAL CONSTRUCTION (CCE)

Optional corrosion resistant construction is engineered with added corrosion protection in materials and/or pre-treatment of base material under super durable paint. Provides additional corrosion protection for applications near coastal areas. Finish is salt spray tested to over 5,000 hours per ASTM B117 with scribe rating of 10. Additional lead-times may apply.

OPTICS

Precision-molded proprietary silicone lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in 3000 K, 4000 K or 5000 K (70 CRI) configurations. 80CRI configurations are also available. The D-Series Size 0 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine(s) configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L80/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

STANDARD CONTROLS

The DSX0 LED area luminaire has a number of control options. DSX Size 0, comes standard with 0-10V dimming driver. Dusk to dawn controls can be utilized via optional NEMA twist-lock photocell receptacles. PIR integrated motion sensor with on-board photocell feature field-adjustable programing and are suitable for mounting heights up to 40 feet. Control option BL features a bi-level device that allows a second control circuit to switch all light engines to either 30% or 50% light output.

nLIGHT AIR CONTROLS

The DSX0 LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing and photocontrol functionality and is suitable for mounting heights up to 40 feet. Once commissioned using a smartphone and the easy-to-use CLAIRITY app, nLight AIR equipped luminaries can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclypse. Additional information about nLight Air can be found here.

INSTALLATION

Integral mounting arm allows for fast mounting using Lithonia standard #8 drilling and accommodates pole drilling's from 2.41 to 3.12" on center. The standard "SPA" option for square poles and the "RPA" option for round poles use the #8 drilling. For #5 pole drillings, use SPA5 or RPA5. Additional mountings are available including a wall bracket (WBA) and mast arm (MA) option that allows luminaire attachment to a 2 3/8" horizontal mast arm.

LISTINGS

UL listed to meet U.S. and Canadian standards. UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP66 rated. Rated for -40°C minimum ambient.

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

GOVERNMENT PROCUREMENT

BAA – Buy America(n) Act: Product with the BAA option qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product with the BAA option also qualifies as manufactured in the United States under DOT Buy America regulations.
BABA – Build America Buy America: Product with the BAA option also qualifies as produced in the United States under the definitions of the Build America, Buy America Act.
Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7131	20-00631-00-BT	CHAMPAIGN	35	1
CONTRACT NO.:	ILLINOIS			_

INDEX OF SHEETS

1 COVER SHEET
2-6 TYPICAL SECTIONS
7-8 ALIGNMENT, TIES, AND BENCHMARKS
9-12 PLAN AND PROFILE - WASHINGTON STREET
13-18 PLAN AND PROFILE - BAKERS LANE
19 MID-BLOCK CROSSING PLAN - MAIN STREET
20-22 ROADWAY LIGHTING PLAN
23-27 CROSS SECTIONS - WASHINGTON STREET
28-34 CROSS SECTIONS - BAKERS LANE

DESIGN DESIGNATION:

WASHINGTON STREET: MAJOR COLLECTOR

TRAFFIC DATA:
ADDT = 3,950 (2021)
POSTED SPEED = 30 MPH

BAKERS LANE: UNIMPROVED RIGHT-OF-WAY

MAIN STREET: MAJOR COLLECTOR

TRAFFIC DATA:
ADDT = 5,650 (2021)
POSTED SPEED = 35 MPH

0 50' 100' 200' — 1"= 80'
0 10' 20' 30' — 1"= 10'
0 50' 100' — 1"= 50'
0 50' 100' — 1"= 40'
0 50' 100' — 1"= 30'
0 50' 100' — 1"= 20'

FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

DISTRICT 5 ENGINEER: <NAME>, PE, PARIS, IL

ENGINEERING RESOURCE ASSOCIATES

CITY OF URBANA

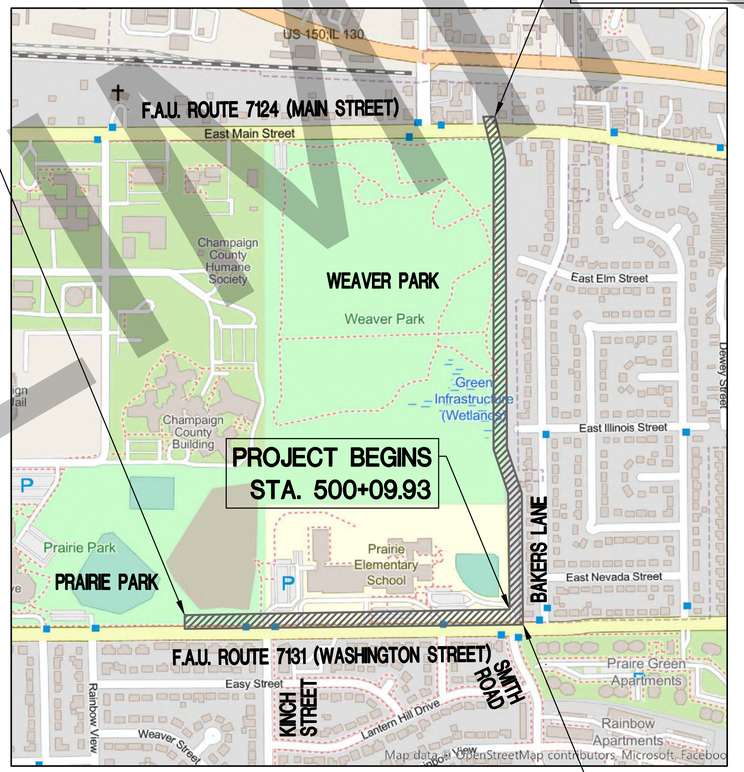
PUBLIC WORKS DEPARTMENT-ENGINEERING DIVISION

PLANS FOR PROPOSED SHARED USE PATH

F.A.U. ROUTE 7131 (WASHINGTON STREET)
FROM KINCH STREET TO BAKERS LANE (SMITH ROAD)
AND BAKERS LANE (SMITH ROAD)
FROM F.A.U. RTE 7131 (WASHINGTON ST.) TO F.A.U. RTE 7124 (MAIN ST.)
SECTION No.: 20-00631-00-BT
STATE ITEP AND MFT FUNDS
CITY OF URBANA, CHAMPAIGN COUNTY
JOB No.: C-95-003-25
ITEP No.: 551004

PROJECT ENDS
STA. 527+02.89

PROJECT BEGINS
STA. 301+45.03

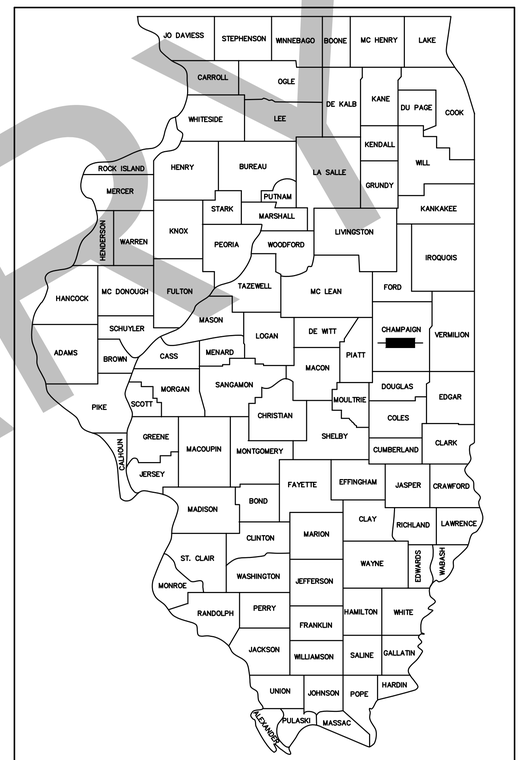


PROJECT ENDS
STA. 317+65.68

LOCATION MAP
NTS

GROSS LENGTH OF IMPROVEMENT = 4,414 LF (0.84 MILES)
NET LENGTH OF IMPROVEMENT = 4,414 LF (0.84 MILES)

CITY OF URBANA
TOWNSHIP 19N
RANGE 9E
SECTION 15 AND 16
CUNNINGHAM TOWNSHIP



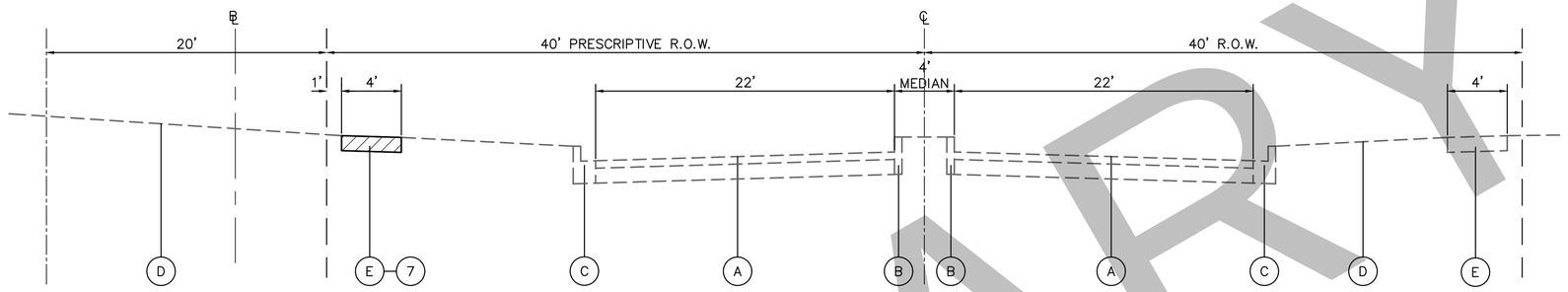
LOCATION OF SECTION INDICATED THUS: –

CITY OF URBANA PUBLIC WORKS DEPARTMENT-ENGINEERING DIVISION	
APPROVED	_____ CITY OF URBANA, CITY ENGINEER
PASSED	_____ DISTRICT 5 ENGINEER OF LOCAL ROADS & STREETS
RELEASING FOR BID BASED ON LIMITED REVIEW	_____ DEPUTY DIRECTOR OF HIGHWAYS

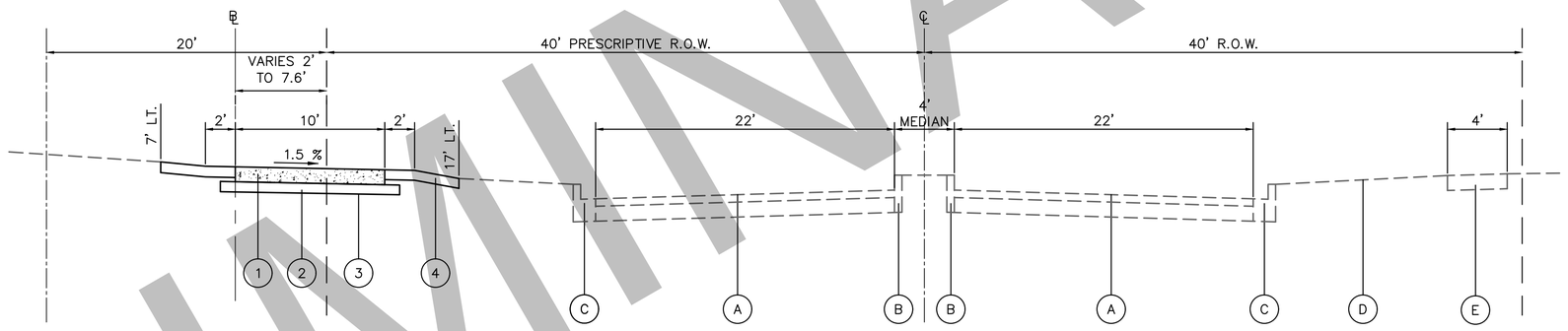
LEGEND

- (A) EXISTING PCC PAVEMENT WITH HMA OVERLAY
- (B) EXISTING CURB
- (C) EXISTING CURB AND GUTTER
- (D) EXISTING GROUND
- (E) EXISTING CONCRETE SIDEWALK

- (1) PCC SIDEWALK, 6 INCH
- (2) SUBBASE GRANULAR MATERIAL, TYPE A, 4"
- (3) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- (4) TOPSOIL, 4" WITH SEEDING, CLASS 1A
- (5) TOPSOIL REMOVAL (PAID AS EARTH EXCAVATION)
- (6) POROUS GRANULAR BACKFILL
- (7) SIDEWALK REMOVAL
- (8) PAVEMENT REMOVAL
- (9) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (10) CONCRETE MEDIAN SURFACE



EXISTING TYPICAL SECTION
F.A.U. 7131 (WASHINGTON STREET)



PROPOSED TYPICAL SECTION
F.A.U. 7131 (WASHINGTON STREET)

FILE NAME: H:\Urbana Public Works, City of\W24128.00 Bakers Lane Bike Path\CADD\CADD C3D\99 PARKS\02 Sheet\W24128.00 TYP.dwg

ENGINEERING RESOURCE ASSOCIATES	USER NAME = rbellot	DESIGNED — rcb	REVISED — ___
		DRAWN — rcb	REVISED — ___
	PLOT SCALE = $SCALE$	CHECKED — JM	REVISED — ___
	PLOT DATE = $DATE$	DATE — 11/18/2024	REVISED — ___

F.A.U. 7131 (WASHINGTON STREET)
AND BAKERS LANE SHARED USE PATH
CITY OF URBANA, ILLINOIS

F.A.U. 7131 (WASHINGTON STREET)
TYPICAL SECTIONS

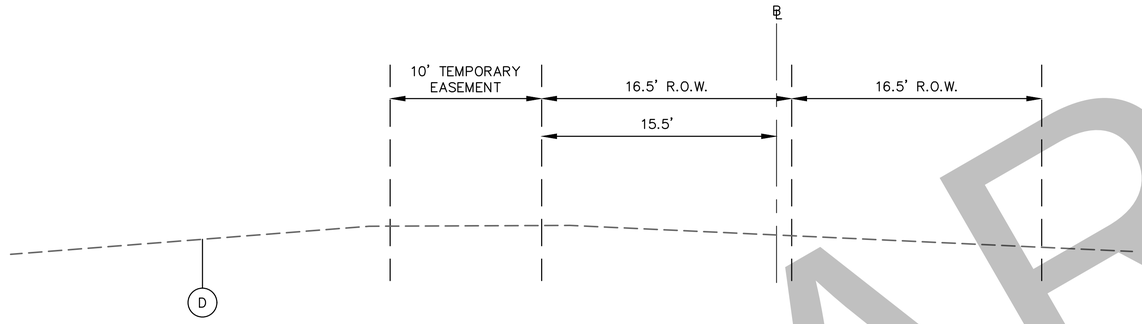
SCALE: N.T.S. | SHEET NO. 1 OF 4 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	NO.
7131	20-00631-00-BT	CHAMPAIGN	35	2
		CONTRACT NO.		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

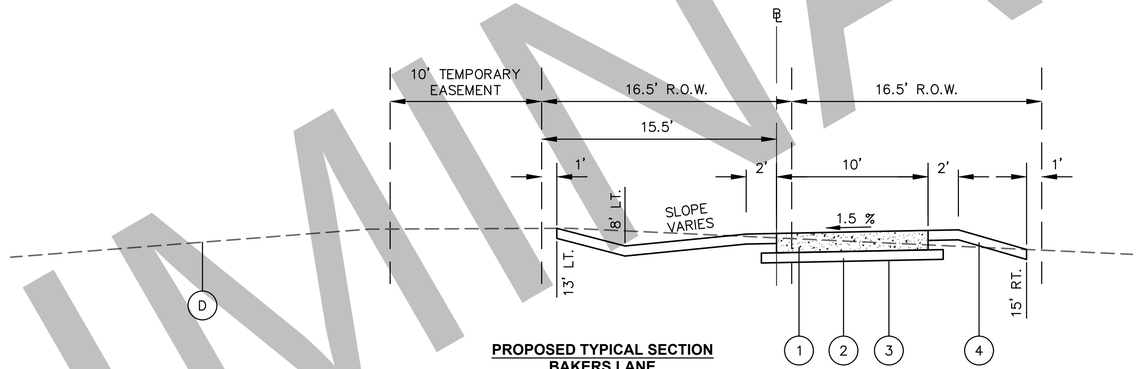
LEGEND

- (A) EXISTING PCC PAVEMENT WITH HMA OVERLAY
- (B) EXISTING CURB
- (C) EXISTING CURB AND GUTTER
- (D) EXISTING GROUND
- (E) EXISTING CONCRETE SIDEWALK

- (1) PCC SIDEWALK, 6 INCH
- (2) SUBBASE GRANULAR MATERIAL, TYPE A, 4"
- (3) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- (4) TOPSOIL, 4" WITH SEEDING, CLASS 1A
- (5) TOPSOIL REMOVAL (PAID AS EARTH EXCAVATION)
- (6) POROUS GRANULAR BACKFILL
- (7) SIDEWALK REMOVAL
- (8) PAVEMENT REMOVAL
- (9) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (10) CONCRETE MEDIAN SURFACE



EXISTING TYPICAL SECTION
BAKERS LANE
STA. 500+00 TO STA. 506+00



PROPOSED TYPICAL SECTION
BAKERS LANE
STA. 500+00 TO STA. 506+00

FILE NAME: H:\Urbana Public Works, City of\W24128.00 Bakers Lane Bike Path\CADD\CADD C3D\99 PARKS\02 Sheet\W24128.00 TYP.dwg

ENGINEERING RESOURCE ASSOCIATES	USER NAME = rbellot	DESIGNED — rcb	REVISED — ___
		DRAWN — rcb	REVISED — ___
	PLOT SCALE = $SCALE$	CHECKED — JM	REVISED — ___
	PLOT DATE = $DATE$	DATE — 11/18/2024	REVISED — ___

F.A.U. 7131 (WASHINGTON STREET) AND BAKERS LANE SHARED USE PATH
CITY OF URBANA, ILLINOIS

BAKERS LANE
TYPICAL SECTIONS

SCALE: N.T.S. | SHEET NO. 2 OF 4 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	NO.
7131	20-00631-00-BT	CHAMPAIGN	35	3
		CONTRACT NO.		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

LEGEND

- (A) EXISTING PCC PAVEMENT WITH HMA OVERLAY
- (B) EXISTING CURB
- (C) EXISTING CURB AND GUTTER
- (D) EXISTING GROUND
- (E) EXISTING CONCRETE SIDEWALK

- (1) PCC SIDEWALK, 6 INCH
- (2) SUBBASE GRANULAR MATERIAL, TYPE A, 4"
- (3) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- (4) TOPSOIL, 4" WITH SEEDING, CLASS 1A
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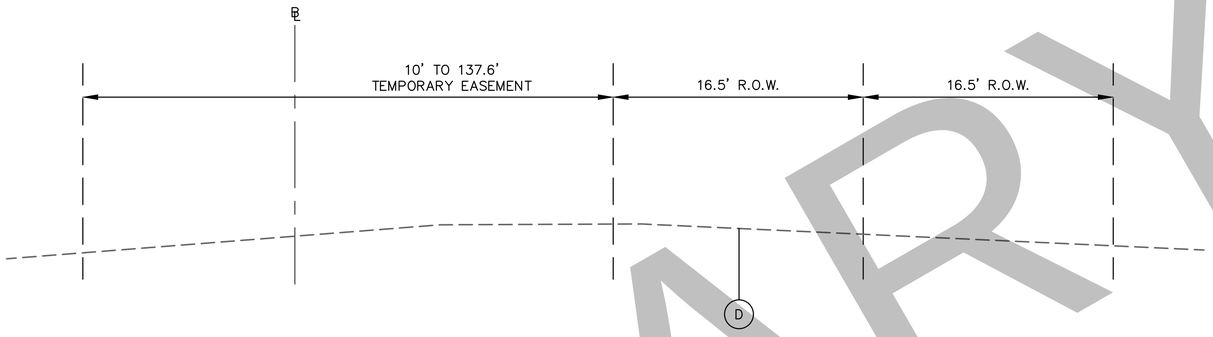
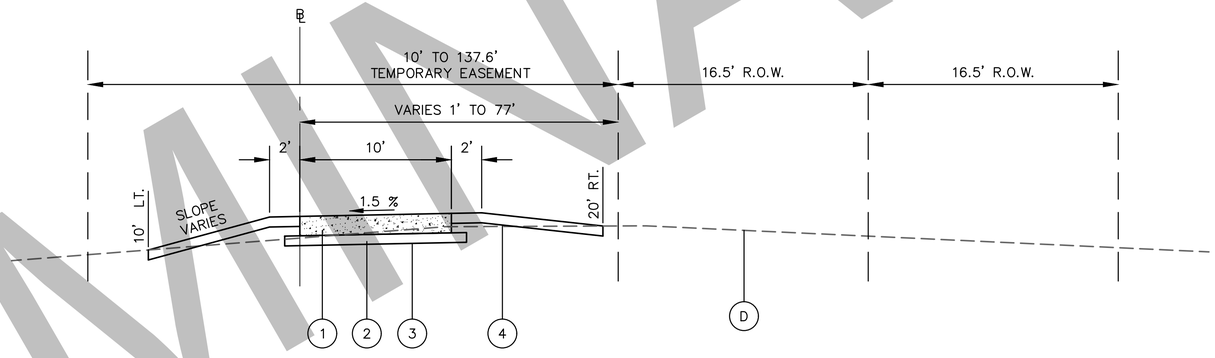
- (9) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (10) CONCRETE MEDIAN SURFACE



EXISTING TYPICAL SECTION
BAKERS LANE
STA. 506+50 TO STA. 508+00
STA. 520+00 TO STA. 526+00



PROPOSED TYPICAL SECTION
BAKERS LANE
STA. 506+50 TO STA. 508+00
STA. 520+00 TO STA. 526+00

FILE NAME: H:\Urbana Public Works, City of\W24128.00 Bikers Lane Bike Path\CADD\CADD C3D\99 PARKS\02 Sheet\W24128.00 TYP.dwg

ENGINEERING RESOURCE ASSOCIATES

USER NAME = rbellot	DESIGNED - rcb	REVISED - ___
	DRAWN - rcb	REVISED - ___
PLOT SCALE = $SCALE$	CHECKED - JM	REVISED - ___
PLOT DATE = $DATE$	DATE - 11/18/2024	REVISED - ___

F.A.U. 7131 (WASHINGTON STREET)
AND BAKERS LANE SHARED USE PATH
CITY OF URBANA, ILLINOIS

BAKERS LANE
TYPICAL SECTIONS

SCALE: N.T.S. | SHEET NO. 3 OF 4 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	NO.
7131	20-00631-00-BT	CHAMPAIGN	35	4
		CONTRACT NO.		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

LEGEND

- (A) EXISTING PCC PAVEMENT WITH HMA OVERLAY
- (B) EXISTING CURB
- (C) EXISTING CURB AND GUTTER
- (D) EXISTING GROUND
- (E) EXISTING CONCRETE SIDEWALK

- (1) PCC SIDEWALK, 6 INCH
- (2) SUBBASE GRANULAR MATERIAL, TYPE A, 4"
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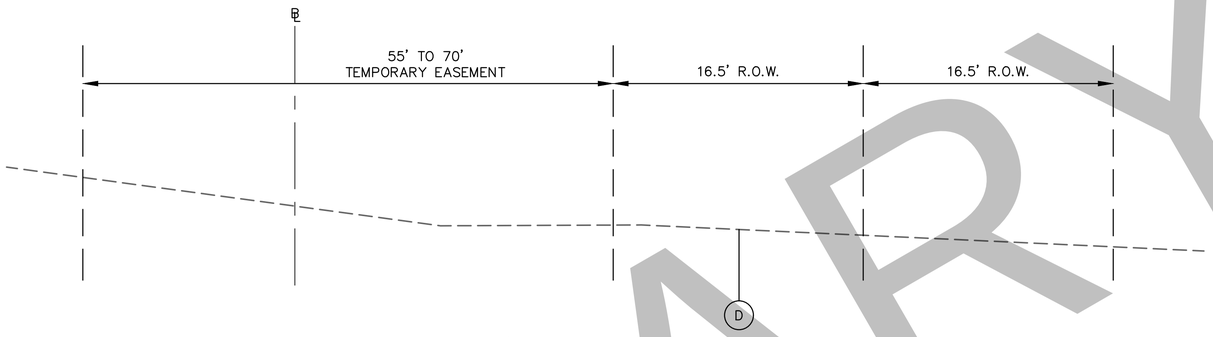
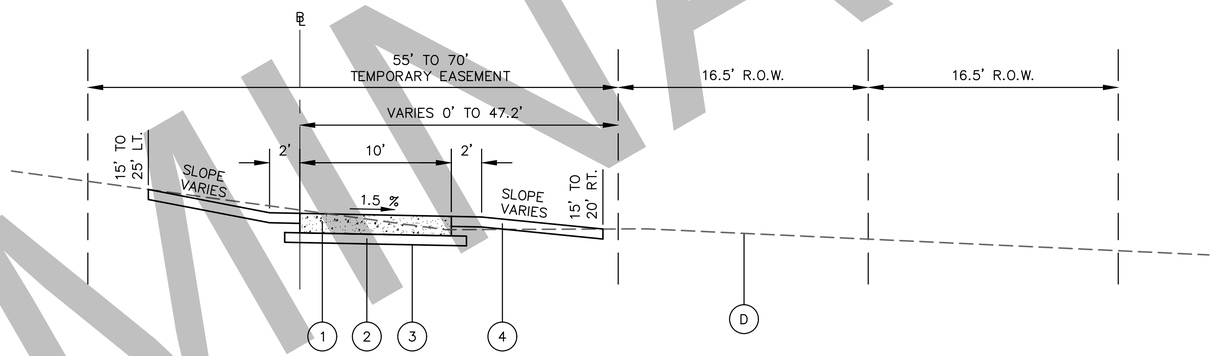
- (9) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (10) CONCRETE MEDIAN SURFACE



EXISTING TYPICAL SECTION
BAKERS LANE
STA. 508+50 TO STA. 519+50



PROPOSED TYPICAL SECTION
BAKERS LANE
STA. 508+50 TO STA. 519+50

ENGINEERING RESOURCE ASSOCIATES	USER NAME = rbellot	DESIGNED — rcb	REVISED — ___	F.A.U. 7131 (WASHINGTON STREET) AND BAKERS LANE SHARED USE PATH CITY OF URBANA, ILLINOIS	BAKERS LANE TYPICAL SECTIONS
		DRAWN — rcb	REVISED — ___		
	PLOT SCALE = $SCALE$	CHECKED — JM	REVISED — ___		SCALE: N.T.S. / SHEET NO. 4 OF 4 SHEETS / STA. / TO STA.
	PLOT DATE = $DATE$	DATE — 11/18/2024	REVISED — ___		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	NO.
7131	20-00631-00-BT	CHAMPAIGN	35	5
		CONTRACT NO.		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

FILE NAME: H:\Urbana Public Works, City of\W24128.00 Bakers Lane Bike Path\CADD\CADD C3D\99 PARKS\02 Sheet\W24128.00 TYP.dwg

LEGEND

- (A) EXISTING PCC PAVEMENT WITH HMA OVERLAY
- (B) EXISTING CURB
- (C) EXISTING CURB AND GUTTER
- (D) EXISTING GROUND
- (E) EXISTING CONCRETE SIDEWALK

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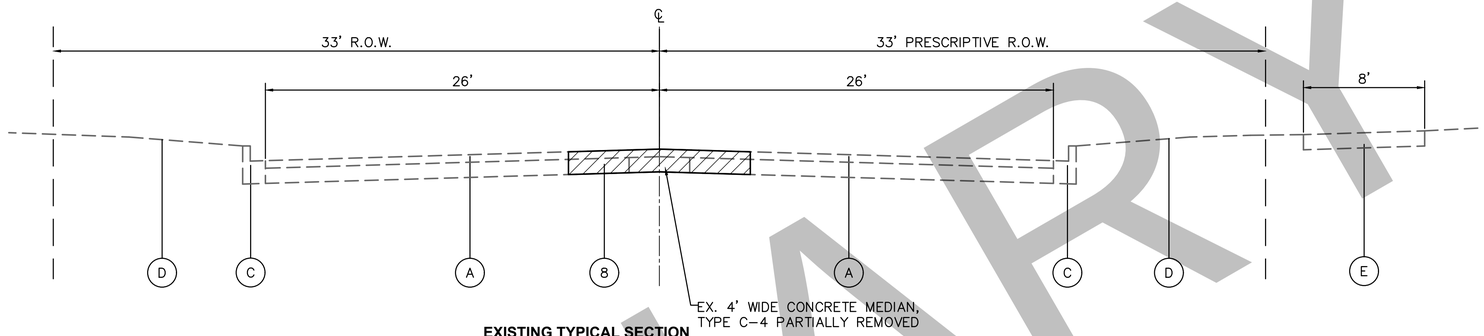
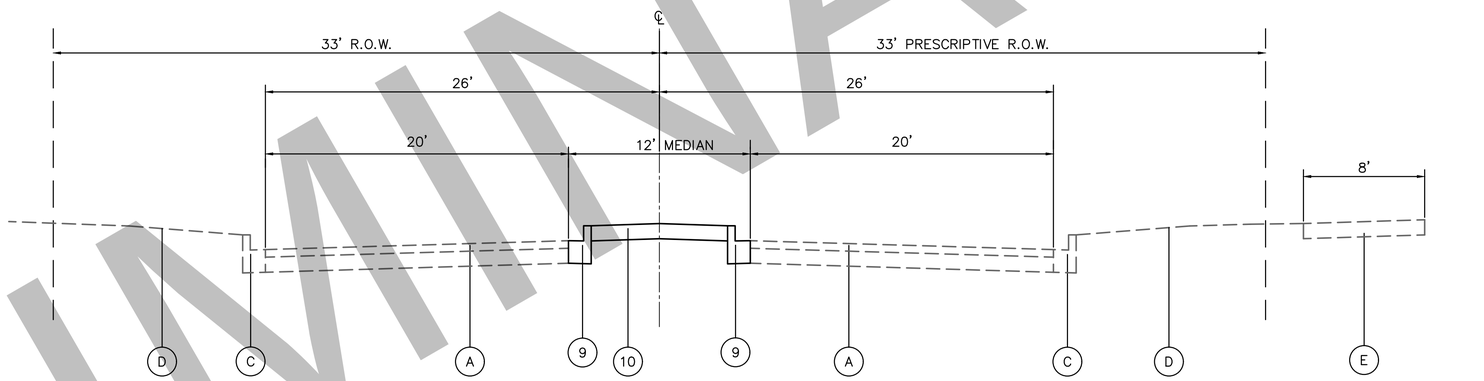


EXISTING TYPICAL SECTION
F.A.U. 7124 (MAIN STREET)



PROPOSED TYPICAL SECTION
F.A.U. 7124 (MAIN STREET)

FILE NAME:H:\Urbana Public Works, City of\W24128.00 Bakers Lane Bike Path\CADD\CADD C3D\99 PARKS\02 Sheet\W24128.00 TYP.dwg

ENGINEERING RESOURCE ASSOCIATES	USER NAME = rbellot	DESIGNED — rcb	REVISED — ___
		DRAWN — rcb	REVISED — ___
	PLOT SCALE = $SCALE$	CHECKED — JM	REVISED — ___
	PLOT DATE = $DATE$	DATE — 11/18/2024	REVISED — ___

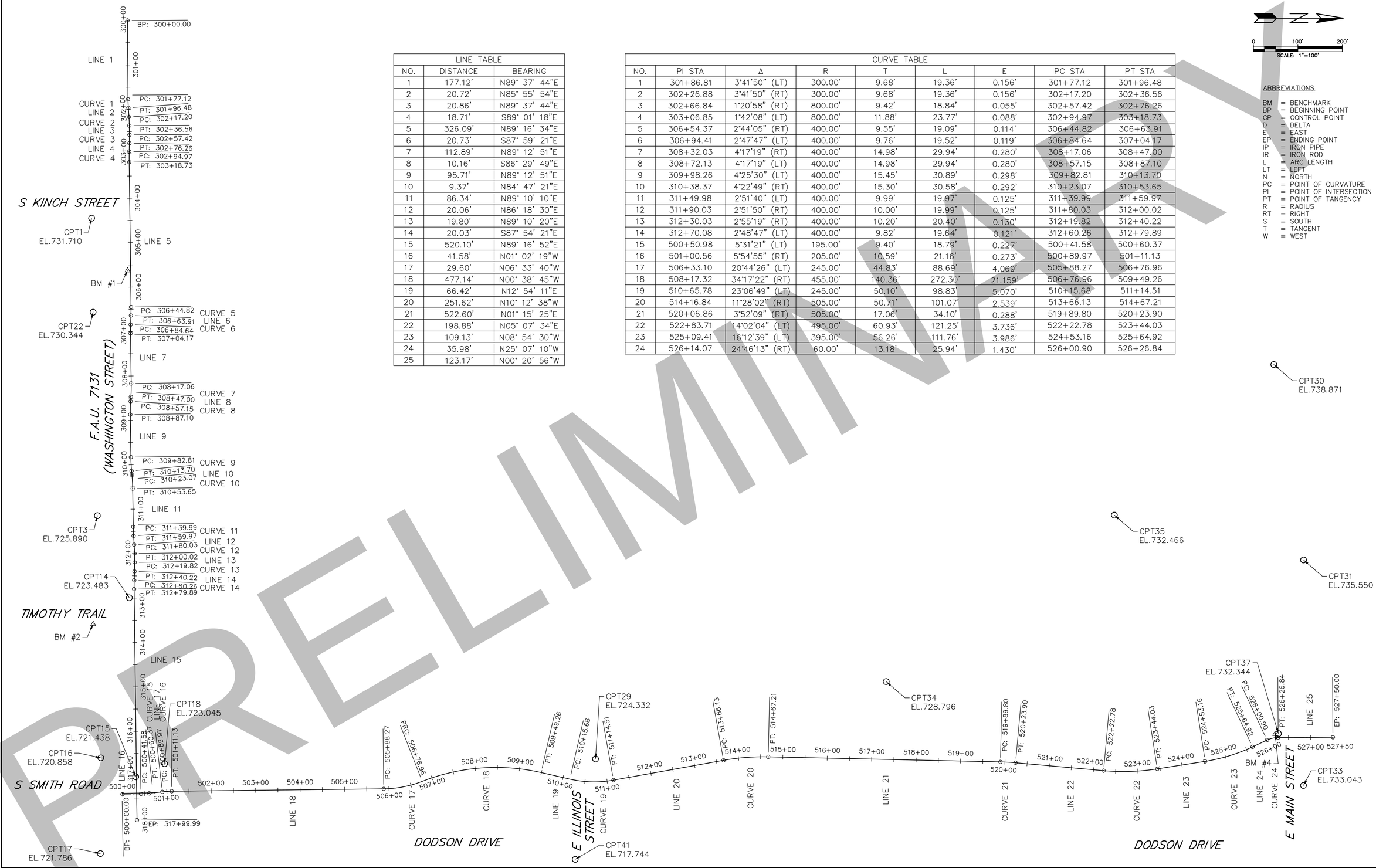
F.A.U. 7131 (WASHINGTON STREET)
AND BAKERS LANE SHARED USE PATH
CITY OF URBANA, ILLINOIS

F.A.U. 7124 (MAIN STREET)
TYPICAL SECTIONS

SCALE: N.T.S. | SHEET NO. 1 OF 4 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	NO.
7131	20-00631-00-BT	CHAMPAIGN	35	6
		CONTRACT NO.		

FED. ROAD DIST. NO. _ | ILLINOIS | FED. AID PROJECT



LINE TABLE		
NO.	DISTANCE	BEARING
1	177.12'	N89° 37' 44"E
2	20.72'	N85° 55' 54"E
3	20.86'	N89° 37' 44"E
4	18.71'	S89° 01' 18"E
5	326.09'	N89° 16' 34"E
6	20.73'	S87° 59' 21"E
7	112.89'	N89° 12' 51"E
8	10.16'	S86° 29' 49"E
9	95.71'	N89° 12' 51"E
10	9.37'	N84° 47' 21"E
11	86.34'	N89° 10' 10"E
12	20.06'	N86° 18' 30"E
13	19.80'	N89° 10' 20"E
14	20.03'	S87° 54' 21"E
15	520.10'	N89° 16' 52"E
16	41.58'	N01° 02' 19"W
17	29.60'	N06° 33' 40"W
18	477.14'	N00° 38' 45"W
19	66.42'	N12° 54' 11"E
20	251.62'	N10° 12' 38"W
21	522.60'	N01° 15' 25"E
22	198.88'	N05° 07' 34"E
23	109.13'	N08° 54' 30"W
24	35.98'	N25° 07' 10"W
25	123.17'	N00° 20' 56"W

CURVE TABLE								
NO.	PI STA	Δ	R	T	L	E	PC STA	PT STA
1	301+86.81	3°41'50" (LT)	300.00'	9.68'	19.36'	0.156'	301+77.12	301+96.48
2	302+26.88	3°41'50" (RT)	300.00'	9.68'	19.36'	0.156'	302+17.20	302+36.56
3	302+66.84	1°20'58" (RT)	800.00'	9.42'	18.84'	0.055'	302+57.42	302+76.26
4	303+06.85	1°42'08" (LT)	800.00'	11.88'	23.77'	0.088'	302+94.97	303+18.73
5	306+54.37	2°44'05" (RT)	400.00'	9.55'	19.09'	0.114'	306+44.82	306+63.91
6	306+94.41	2°47'47" (LT)	400.00'	9.76'	19.52'	0.119'	306+84.64	307+04.17
7	308+32.03	4°17'19" (RT)	400.00'	14.98'	29.94'	0.280'	308+17.06	308+47.00
8	308+72.13	4°17'19" (LT)	400.00'	14.98'	29.94'	0.280'	308+57.15	308+87.10
9	309+98.26	4°25'30" (LT)	400.00'	15.45'	30.89'	0.298'	309+82.81	310+13.70
10	310+38.37	4°22'49" (RT)	400.00'	15.30'	30.58'	0.292'	310+23.07	310+53.65
11	311+49.98	2°51'40" (LT)	400.00'	9.99'	19.97'	0.125'	311+39.99	311+59.97
12	311+90.03	2°51'50" (RT)	400.00'	10.00'	19.99'	0.125'	311+80.03	312+00.02
13	312+30.03	2°55'19" (RT)	400.00'	10.20'	20.40'	0.130'	312+19.82	312+40.22
14	312+70.08	2°48'47" (LT)	400.00'	9.82'	19.64'	0.121'	312+60.26	312+79.89
15	500+50.98	5°31'21" (LT)	195.00'	9.40'	18.79'	0.227'	500+41.58	500+60.37
16	501+00.56	5°54'55" (RT)	205.00'	10.59'	21.16'	0.273'	500+89.97	501+11.13
17	506+33.10	20°44'26" (LT)	245.00'	44.83'	88.69'	4.069'	505+88.27	506+76.96
18	508+17.32	34°17'22" (RT)	455.00'	140.36'	272.30'	21.159'	506+76.96	509+49.26
19	510+65.78	23°06'49" (LT)	245.00'	50.10'	98.83'	5.070'	510+15.68	511+14.51
20	514+16.84	11°28'02" (RT)	505.00'	50.71'	101.07'	2.539'	513+66.13	514+67.21
21	520+06.86	3°52'09" (RT)	505.00'	17.06'	34.10'	0.288'	519+89.80	520+23.90
22	522+83.71	14°02'04" (LT)	495.00'	60.93'	121.25'	3.736'	522+22.78	523+44.03
23	525+09.41	16°12'39" (LT)	395.00'	56.26'	111.76'	3.986'	524+53.16	525+64.92
24	526+14.07	24°46'13" (RT)	60.00'	13.18'	25.94'	1.430'	526+00.90	526+26.84

ABBREVIATIONS

BM	=	BENCHMARK
BP	=	BEGINNING POINT
CP	=	CONTROL POINT
D	=	DELTA
E	=	EAST
EP	=	ENDING POINT
IP	=	IRON PIPE
IR	=	IRON ROD
L	=	ARC LENGTH
LT	=	LEFT
N	=	NORTH
PC	=	POINT OF CURVATURE
PI	=	POINT OF INTERSECTION
PT	=	POINT OF TANGENCY
R	=	RADIUS
RT	=	RIGHT
S	=	SOUTH
T	=	TANGENT
W	=	WEST

FILE NAME: H:\Urbana Public Works, City of\W24128.00 Bakers Lane Bike Path\CADD\CADD C3D\99 PARKS\02 Sheet\W24128.00 ATB.dwg

ENGINEERING RESOURCE ASSOCIATES

USER NAME = rbellot	DESIGNED — SS	REVISED — ___	
	DRAWN — SS	REVISED — ___	
PLOT SCALE = $SCALE$	CHECKED — JM	REVISED — ___	
PLOT DATE = $DATE$	DATE — 11/18/2024	REVISED — ___	

F.A.U. 7131 (WASHINGTON STREET) AND BAKERS LANE SHARED USE PATH CITY OF URBANA, ILLINOIS

CITY OF URBANA
F.A.U. 7131 (WASHINGTON ST.) AND BAKERS LANE SHARED USE PATH ALIGNMENT, CONTROL, AND BENCHMARKS

SCALE: 1"=100' | SHEET NO. 1 OF 2 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	NO.
7131	20-00631-00-BT	CHAMPAIGN	35	7
		CONTRACT NO.		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

ALIGNMENT COORDINATES – F.A.U. 7131 (WASHINGTON ST) PATH			
	STATION	N	E
BP	300+00.00	1,252,490.5806	1,026,323.1100
PC	301+77.12	1,252,491.7281	1,026,500.2312
PT	301+96.48	1,252,492.4777	1,026,519.5713
PC	302+17.20	1,252,493.9476	1,026,540.2378
PT	302+36.56	1,252,494.6973	1,026,559.5779
PC	302+57.42	1,252,494.8324	1,026,580.4362
PT	302+76.26	1,252,494.7326	1,026,599.2772
PC	302+94.97	1,252,494.4132	1,026,617.9803
PT	303+18.73	1,252,494.3605	1,026,641.7456
PC	306+44.82	1,252,498.4802	1,026,967.8064
PT	306+63.91	1,252,498.2658	1,026,986.8948
PC	306+84.64	1,252,497.5383	1,027,007.6165
PT	307+04.17	1,252,497.3296	1,027,027.1368
PC	308+17.06	1,252,498.8778	1,027,140.0142
PT	308+47.00	1,252,498.1680	1,027,169.9396
PC	308+57.15	1,252,497.5474	1,027,180.0782
PT	308+87.10	1,252,496.8377	1,027,210.0036
PC	309+82.81	1,252,498.1503	1,027,305.7091
PT	310+13.70	1,252,499.7658	1,027,336.5522
PC	310+23.07	1,252,500.6166	1,027,345.8815
PT	310+53.65	1,252,502.2277	1,027,376.4114
PC	311+39.99	1,252,503.4795	1,027,462.7457
PT	311+59.97	1,252,504.2675	1,027,482.7026
PC	311+80.03	1,252,505.5592	1,027,502.7228
PT	312+00.02	1,252,506.3475	1,027,522.6988
PC	312+19.82	1,252,506.6336	1,027,542.4960
PT	312+40.22	1,252,506.4083	1,027,562.8917
PC	312+60.26	1,252,505.6762	1,027,582.9124
PT	312+79.89	1,252,505.4406	1,027,602.5469
EP	317+99.99	1,252,511.9659	1,028,122.6014

ALIGNMENT COORDINATES – BAKERS LANE PATH			
	STATION	N	E
BP	500+00.00	1,252,479.2132	1,028,064.1173
PC	500+41.58	1,252,520.7815	1,028,063.3637
PT	500+60.37	1,252,539.5278	1,028,062.1186
PC	500+89.97	1,252,568.9308	1,028,058.7369
PT	501+11.13	1,252,590.0441	1,028,057.4073
PC	505+88.27	1,253,067.1513	1,028,052.0299
PRC	506+76.96	1,253,153.7302	1,028,035.1756
PT	509+49.26	1,253,421.2499	1,028,015.3348
PC	510+15.68	1,253,485.9934	1,028,030.1667
PT	511+14.51	1,253,584.1320	1,028,032.4731
PC	513+66.13	1,253,831.7700	1,027,987.8694
PT	514+67.21	1,253,932.3649	1,027,979.9934
PC	519+89.80	1,254,454.8344	1,027,991.4559
PT	520+23.90	1,254,488.8783	1,027,993.3542
PC	522+22.78	1,254,686.9598	1,028,011.1233
PT	523+44.03	1,254,807.8399	1,028,007.1320
PC	524+53.16	1,254,915.6526	1,027,990.2328
PT	525+64.92	1,255,022.1643	1,027,957.6408
PC	526+00.90	1,255,054.7397	1,027,942.3680
PT	526+26.84	1,255,079.8446	1,027,936.6946
EP	527+50.00	1,255,203.0094	1,027,935.9446

BENCHMARK #1

ELEV. 733.16 (NAVD 88)

SOUTH MUELLER BOLT ON FIRE HYDRANT ON THE NORTH SIDE OF EAST WASHINGTON STREET, FIRST FIRE HYDRANT EAST OF KINCH STREET.

BENCHMARK #2

ELEV. 723.19 (NAVD 88)

MUELLER BOLT ON FIRE HYDRANT AT THE SOUTHEAST CORNER OF EAST WASHINGTON STREET AND TIMOTHY TRAIL.

BENCHMARK #3

ELEV. 720.36 (NAVD 88)

IOWA BOLT ON FIRE HYDRANT ON THE NORTH SIDE OF W FLORIDA AVENUE WEST OF DRIVE AT RESIDENCE #610 W FLORIDA AVENUE.

BENCHMARK #4

ELEV. 734.64 (NAVD 88)

MAG NAIL IN POWER POLE LOCATED ON THE SOUTH SIDE OF EAST MAIN STREET, THIRD POWER POLE EAST OF NORTH SMITH ROAD.

CONTROL POINTS COORDINATES				
NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1,252,409.777	1,026,767.912	731.710	SET CUT CROSS
3	1,252,422.661	1,027,437.404	725.890	SET CUT CROSS
14	1,252,494.621	1,027,622.159	723.483	SET CUT CROSS
15	1,252,509.034	1,028,024.879	721.438	SET CUT CROSS
16	1,252,430.405	1,027,982.355	720.858	SET CUT CROSS
17	1,252,429.456	1,028,197.756	721.786	FOUND NAIL
18	1,252,573.979	1,027,995.537	723.045	SET CUT CROSS
22	1,252,413.051	1,026,979.552	730.344	SET CUT CROSS
29	1,253,543.698	1,027,984.834	724.332	SET IRON PIPE
30	1,255,069.989	1,027,097.324	738.871	SET CUT CROSS
31	1,255,136.860	1,027,537.039	735.550	SET CUT CROSS
33	1,255,136.723	1,028,044.448	733.043	SET CUT CROSS
34	1,254,197.733	1,027,810.663	728.796	SET IRON PIPE
35	1,254,711.166	1,027,436.005	732.466	SET IRON PIPE
37	1,255,080.447	1,027,927.914	732.344	SET CUT CROSS
41	1,253,498.159	1,028,210.846	717.744	SET CUT CROSS

ENGINEERING RESOURCE ASSOCIATES

USER NAME = rbellot	DESIGNED – SS	REVISED – ___	
	DRAWN – SS	REVISED – ___	
PLOT SCALE = $SCALE$	CHECKED – JM	REVISED – ___	
PLOT DATE = $DATE$	DATE – 11/18/2024	REVISED – ___	

F.A.U. 7131 (WASHINGTON STREET) AND BAKERS LANE SHARED USE PATH CITY OF URBANA, ILLINOIS

CITY OF URBANA
F.A.U. 7131 (WASHINGTON ST.) AND BAKERS LANE SHARED USE PATH
ALIGNMENT, CONTROL, AND BENCHMARKS

SCALE: N/A | SHEET NO. 2 OF 2 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	NO.
7131	20–00631–00–BT	CHAMPAIGN	35	8
		CONTRACT NO.		

FED. ROAD DIST. NO. _ | ILLINOIS | FED. AID PROJECT

URBANA PARK DISTRICT
HEALTH AND WELLNESS CENTER
(UNDER CONSTRUCTION)

URBANA SCHOOL
DISTRICT 116
PRAIRIE CAMPUS

2000 & 2002 WASHINGTON STREET

2011 WASHINGTON STREET

PROPERTY LINE

DRIVEWAY ENTRANCE AND SIDEWALK TO BE CONSTRUCTED BY OTHERS

COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FT

UTILITY VAULT TO BE ADJUSTED BY OTHERS

FIBER OPTIC UTILITY VAULT TO BE ADJUSTED BY OTHERS

TEMPORARY CONSTRUCTION FENCING TO BE REMOVED BY OTHERS

TEMPORARY EASEMENT

CONCRETE CURB, TYPE B (TYP. AT DRIVEWAYS)

INSTALL DETECTABLE WARNING AND DEPRESS CURB HEAD ACROSS SHARED USE PATH (TYP.)

WOOD SIGN

BLOCK WALL

RUBBER TUBING

2 GUY WIRE

300+00 25'

40' PRESCRIPTIVE R.O.W.

40' R.O.W.

300' R

800' R

METER BOX ON CONC PAD

FO VAULT

SL VAULT

WM VAULT

"M" VAULT

6" CONSTRUCTION

2' EARTHEN SHOULDER (TYP.)

10' PCC SIDEWALK, 10 INCH (TYP. WITHIN PCC DRIVEWAY)

10' PCC SIDEWALK, 6 INCH (TYP.)

WATER METER VAULT TO BE ADJUSTED

STREET LIGHTING VAULT TO BE ADJUSTED

PCC DRIVEWAY PAVEMENT, 10 INCH (TYP.)

F.A.U. 7131 (WASHINGTON STREET)

KINCH STREET

MATCH LINE STA. 304+50
SEE SHEET NO. XX

N

0 20' 40' HORZ.
0 4' 8' VERT.

PVI STA: 302+40.00
PVI ELEV: 734.79
K: 99.17
L: 200.00'
H.P.: 301+79.26
EL: 734.47

PVC: 301+40.00
ELEV: 734.40

PVI: 303+40.00
ELEV: 733.17

STA = 300+62.00
ELEV = 734.14

STA = 303+78.06
ELEV = 732.55

PVC: 304+50.00
ELEV: 731.86

0.05%
0.40%
-1.62%
-2.34%
1.81%

EXISTING C/L PROFILE
PROPOSED C/L PROFILE

740 736 732 728 724 720 716

734.7
734.1 734.24
734.1 734.43
734.2 734.45
734.1 734.22
733.8 733.74
733.2 733.01
731.4 732.04
732.4 731.86

300+00 300+50 301+00 301+50 302+00 302+50 303+00 303+50 304+00 304+50

PRELIMINARY

USER NAME = rbellot	DESIGNED — rcb	REVISED — ___	
	DRAWN — rcb	REVISED — ___	
PLOT SCALE = $SCALE$	CHECKED — JM	REVISED — ___	
PLOT DATE = $DATE$	DATE — 11/7/2024	REVISED — ___	

ENGINEERING RESOURCE ASSOCIATES

F.A.U. 7131 (WASHINGTON STREET) AND BAKERS LANE SHARED USE PATH CITY OF URBANA, ILLINOIS

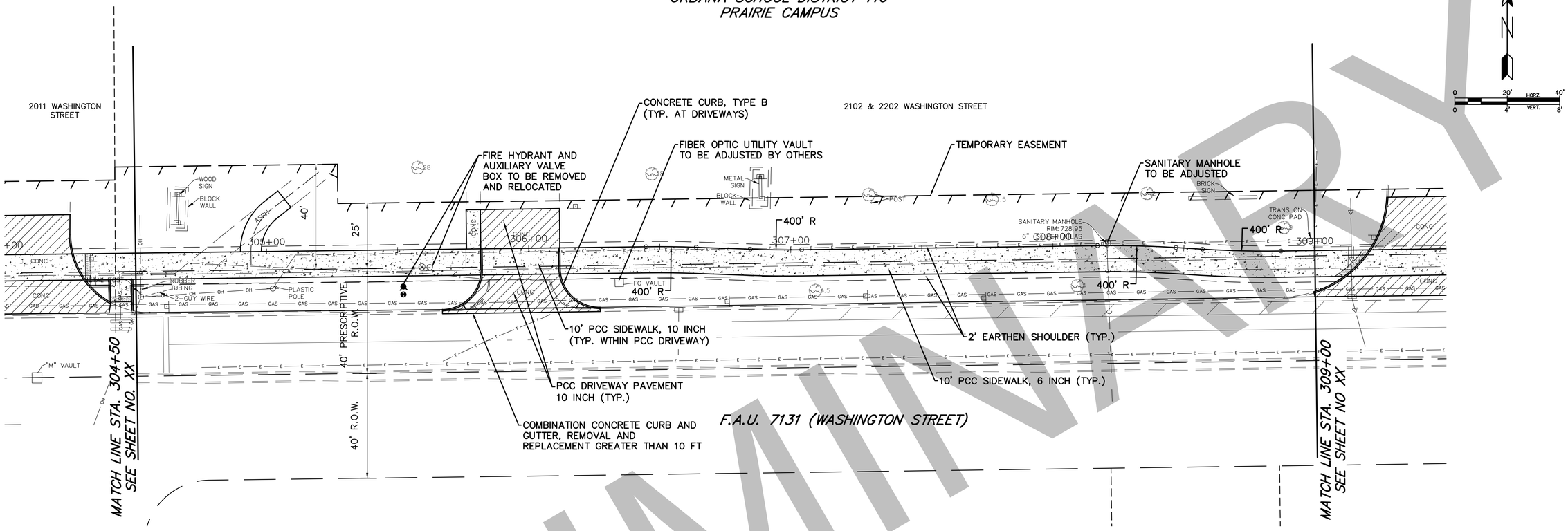
F.A.U. 7131 (WASHINGTON STREET) PLAN AND PROFILE

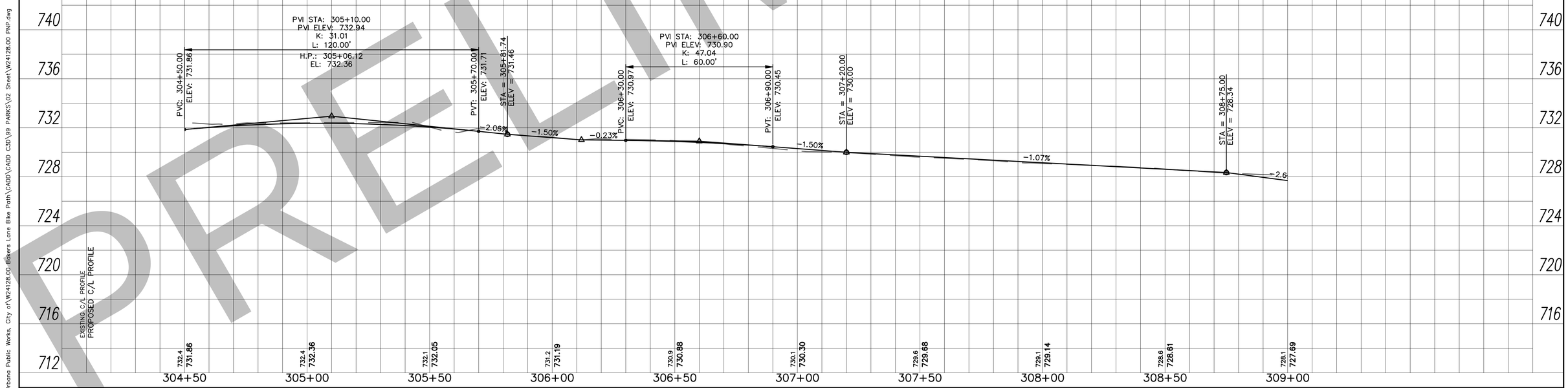
SCALE: 1"=20' | SHEET NO. 1 OF 10 SHEETS | STA. 300+00 TO STA. 304+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	NO.
7131	20-00631-00-BT	CHAMPAIGN	35	9
		CONTRACT NO.		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

FILE NAME: H:\Urbana Public Works, City of\W24128.00 Bakers Lane Bike Path\CADD\CADD C3D\99 PARKS\02 Sheet\W24128.00 PNP.dwg

URBANA SCHOOL DISTRICT 116
PRAIRIE CAMPUS





ENGINEERING RESOURCE ASSOCIATES	USER NAME = rbelliot	DESIGNED — rcb	REVISED — ___
		DRAWN — rcb	REVISED — ___
	PLOT SCALE = $SCALE$	CHECKED — JM	REVISED — ___
	PLOT DATE = $DATE$	DATE — 11/7/2024	REVISED — ___

F.A.U. 7131 (WASHINGTON STREET) AND BAKERS LANE SHARED USE PATH CITY OF URBANA, ILLINOIS

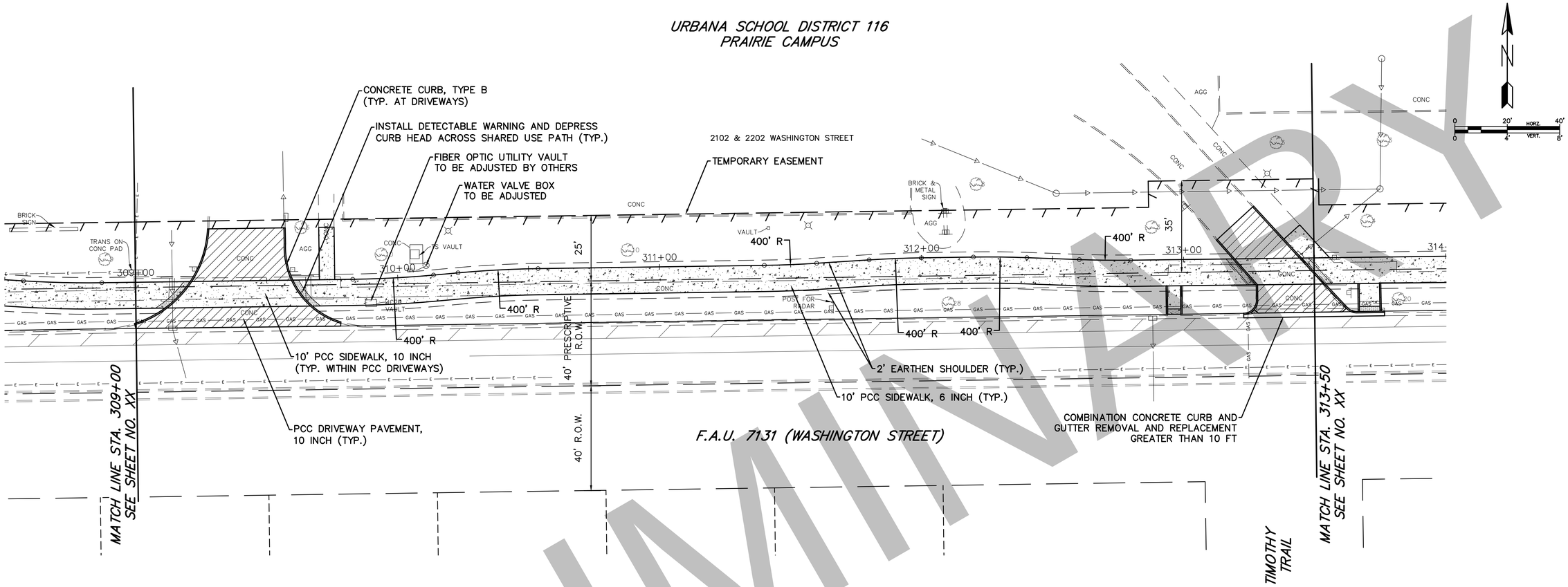
F.A.U. 7131 (WASHINGTON STREET) PLAN AND PROFILE

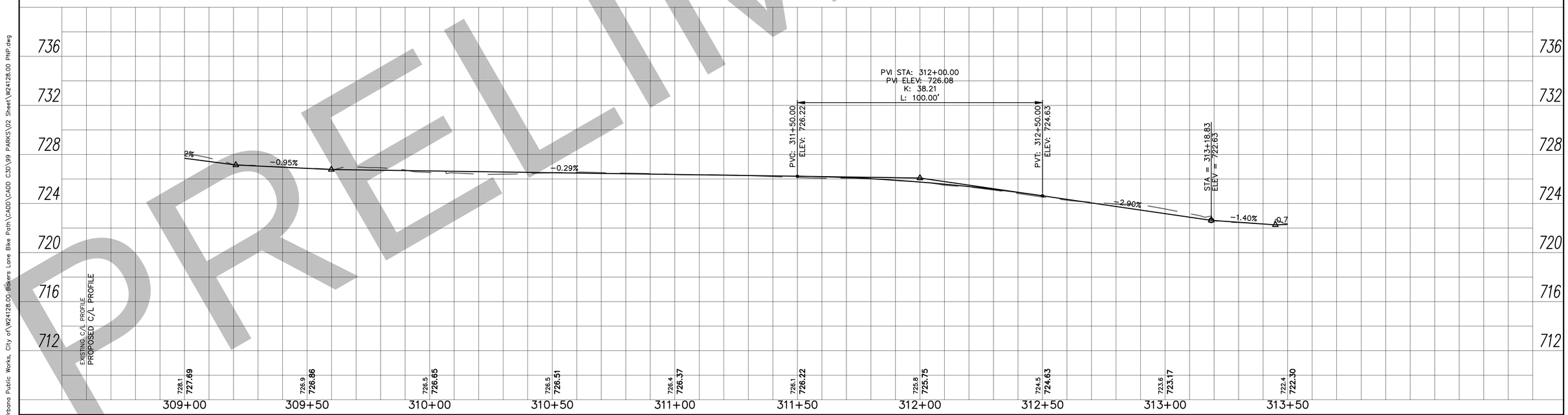
SCALE: 1"=20' | SHEET NO. 2 OF 10 SHEETS | STA. 304+50 TO STA. 309+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	NO.
7131	20-00631-00-BT	CHAMPAIGN	35	10
		CONTRACT NO.		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

FILE NAME:H:\Urbana Public Works, City of\W24128.00 Bakers Lane Bike Path\CADD\CADD C3D\99 PARKS\02 Sheet\W24128.00 PNP.dwg

URBANA SCHOOL DISTRICT 116
PRAIRIE CAMPUS





ENGINEERING RESOURCE ASSOCIATES	USER NAME = rbelliot	DESIGNED — rcb	REVISED — ___
		DRAWN — rcb	REVISED — ___
	PLOT SCALE = $SCALE$	CHECKED — JM	REVISED — ___
	PLOT DATE = $DATE$	DATE — 11/7/2024	REVISED — ___

**F.A.U. 7131 (WASHINGTON STREET)
AND BAKERS LANE SHARED USE PATH
CITY OF URBANA, ILLINOIS**

**F.A.U. 7131 (WASHINGTON STREET)
PLAN AND PROFILE**

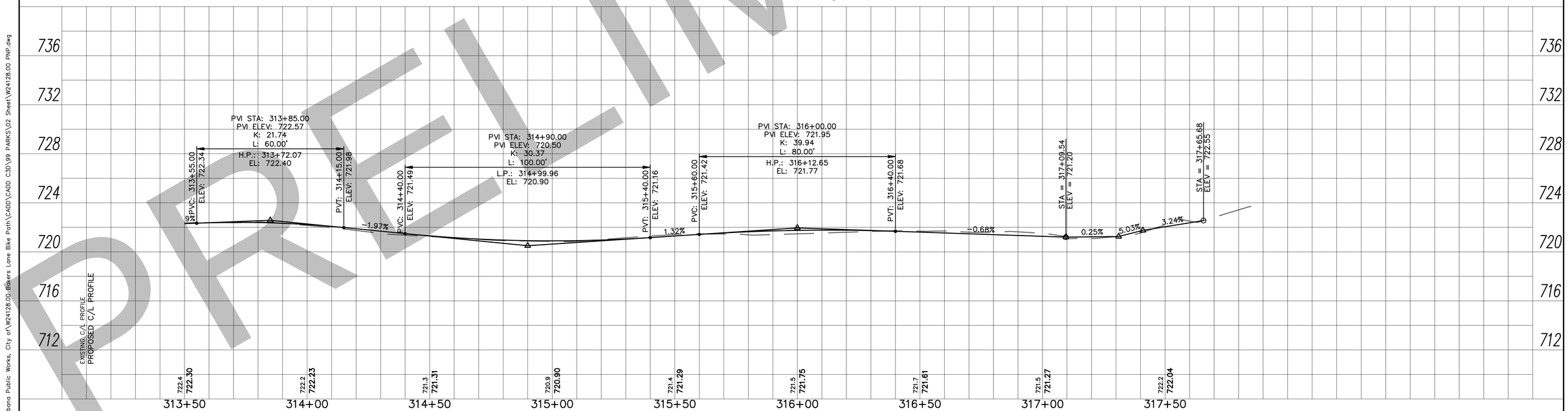
SCALE: 1"=20' | SHEET NO. 3 OF 10 SHEETS | STA. 309+00 TO STA. 313+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	NO.
7131	20-00631-00-BT	CHAMPAIGN	35	11
		CONTRACT NO.		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

FILE NAME:H:\Urbana Public Works, City of\W24128.00 Bakers Lane Bike Path\CADD\CADD C3D\99 PARKS\02 Sheet\W24128.00 PNP.dwg

URBANA SCHOOL DISTRICT 116
PRAIRIE CAMPUS

INSTALL DETECTABLE WARNING AND DEPRESS CURB HEAD ACROSS SHARED USE PATH (TYP.)
TEMPORARY EASEMENT
SIGN TO BE RELOCATED
GAS VALVE BOX TO BE ADJUSTED BY OTHERS
WATER METER VAULT AND METAL POST TO BE RELOCATED
CONCRETE CURB, TYPE B (TYP. AT DRIVEWAYS)
PROPERTY LINE
TEMPORARY EASEMENT
2' EARTHEN SHOULDER (TYP.)
10' PCC SIDEWALK, 6 INCH (TYP.)
10' PCC SIDEWALK, 10 INCH (TYP. WITHIN PCC DRIVEWAY)
PCC DRIVEWAY PAVEMENT 10 INCH (TYP.)
2102 & 2202 WASHINGTON STREET
2402 WASHINGTON STREET
F.A.U. 7131 (WASHINGTON STREET)
40' PRESCRIPTIVE R.O.W.
40' R.O.W.
16.5'
16.5'
MATCH LINE STA. 313+50 SEE SHEET NO. XX
TIMOTHY TRAIL
SMITH ROAD



PRELIMINARY

USER NAME = rbellot	DESIGNED — rcb	REVISED — ___	
	DRAWN — rcb	REVISED — ___	
PLOT SCALE = $SCALE$	CHECKED — JM	REVISED — ___	
PLOT DATE = $DATE$	DATE — 11/7/2024	REVISED — ___	

ENGINEERING RESOURCE ASSOCIATES

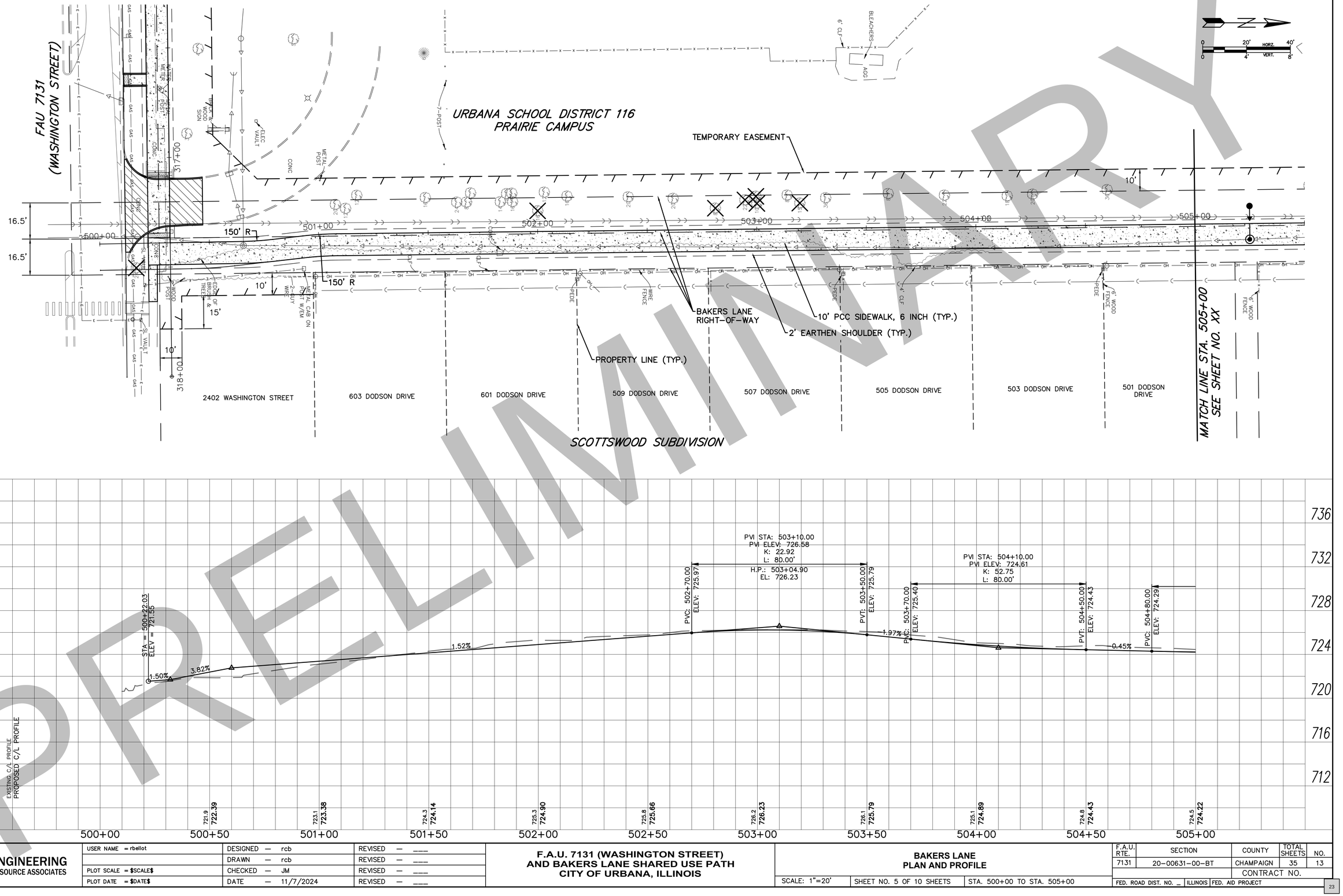
F.A.U. 7131 (WASHINGTON STREET) AND BAKERS LANE SHARED USE PATH CITY OF URBANA, ILLINOIS

F.A.U. 7131 (WASHINGTON STREET) PLAN AND PROFILE

SCALE: 1"=20' | SHEET NO. 4 OF 10 SHEETS | STA. 313+50 TO STA. 317+60

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	NO.
7131	20-00631-00-BT	CHAMPAIGN	35	12
		CONTRACT NO.		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

FILE NAME: H:\Urbana Public Works, City of\W24128.00 Bakers Lane Bike Path\CADD\CADD C3D\99 PARKS\02 Sheet\W24128.00 PNP.dwg



ENGINEERING RESOURCE ASSOCIATES	USER NAME = rbellot	DESIGNED — rcb	REVISED — ___
		DRAWN — rcb	REVISED — ___
	PLOT SCALE = $SCALE$	CHECKED — JM	REVISED — ___
	PLOT DATE = $DATE$	DATE — 11/7/2024	REVISED — ___

F.A.U. 7131 (WASHINGTON STREET) AND BAKERS LANE SHARED USE PATH
CITY OF URBANA, ILLINOIS

BAKERS LANE
PLAN AND PROFILE

SCALE: 1"=20' | SHEET NO. 5 OF 10 SHEETS | STA. 500+00 TO STA. 505+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	NO.
7131	20-00631-00-BT	CHAMPAIGN	35	13
		CONTRACT NO.		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

FILE NAME:H:\Urbana Public Works, City of\W24128.00 Bakers Lane Bike Path\CADD\CADD C3D\99 PARKS\02 Sheet\W24128.00 PNP.dwg

URBANA SCHOOL DISTRICT 116
PRAIRIE CAMPUS

URBANA PARK DISTRICT
WEAVER PARK

PROPERTY LINE

TEMPORARY EASEMENT

2' EARTHEN SHOULDER (TYP.)

10' PCC SIDEWALK, 6 INCH (TYP.)

CB TYPE C, TYPE 8 GRATE
STA. 505+25, 8' LT
RIM–723.25
INV–720.25 (12" RCCP) (E)

STORM SEWERS, CLASS A
(RCCP), TYPE 1, 12"
15' @ 5.0%

55'

10'

245' R

455' R

16.5'

16.5'

505+00

506+00

507+00

508+00

509+00

510+00

MANHOLE TO BE ADJUSTED

MH, TYPE A, 5' DIA., TYPE 1
FRAME, CLOSED LID
(BUILD OVER EXISTING SS LINE)
STA. 505+25, 7.2' RT
RIM–724.30
INV–719.50 (12" RCCP) (W)
INV–715.13 (EX 36" RCP) (N&S)

BAKERS LANE
RIGHT–OF–WAY

PROPERTY LINE (TYP.)

6' WOOD FENCE

6' WOOD FENCE

6' WOOD FENCE

WOOD & WIRE FENCE

FENCE REMNANTS

6' WOOD FENCE

FED (CAPPED)

6' WOOD FENCE

AGG

CONC

MATCH LINE STA. 505+00
SEE SHEET NO. XX

MATCH LINE STA. 510+00
SEE SHEET NO. XX

501 DODSON DRIVE

415 DODSON DRIVE

413 DODSON DRIVE

411 DODSON DRIVE

409 DODSON DRIVE

407 DODSON DRIVE

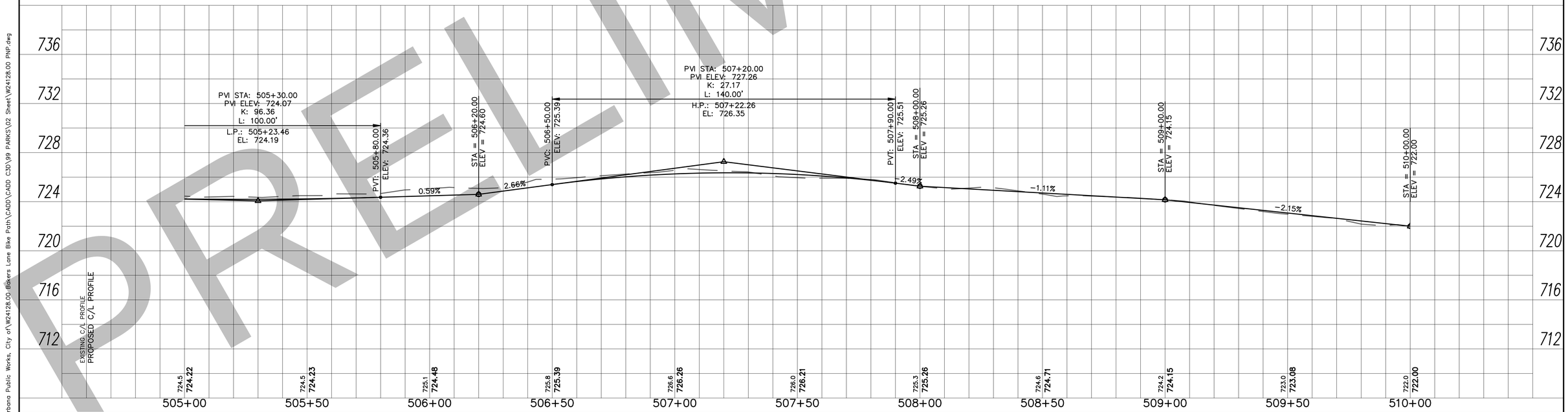
405 DODSON DRIVE

403 DODSON DRIVE

2405 ILLINOIS STREET

SCOTTSWOOD SUBDIVISION

0 20' 40' HORZ.
0 4' 8' VERT.



PRELIMINARY

ENGINEERING RESOURCE ASSOCIATES	USER NAME = rbellot	DESIGNED – rcb	REVISED – ___	F.A.U. 7131 (WASHINGTON STREET) AND BAKERS LANE SHARED USE PATH CITY OF URBANA, ILLINOIS	BAKERS LANE PLAN AND PROFILE
		DRAWN – rcb	REVISED – ___		
	PLOT SCALE = $SCALE$	CHECKED – JM	REVISED – ___		SCALE: 1"=20' / SHEET NO. 6 OF 10 SHEETS / STA. 505+00 TO STA. 510+00
	PLOT DATE = $DATE$	DATE – 11/7/2024	REVISED – ___		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	NO.
7131	20–00631–00–BT	CHAMPAIGN	35	14
		CONTRACT NO.		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

FILE NAME:H:\Urbana Public Works, City of\W24128.00 Bakers Lane Bike Path\CADD\CADD C3D\99 PARKS\02 Sheet\W24128.00 PNP.dwg

UNNAMED POND

URBANA PARK DISTRICT WEAVER PARK

DELINEATED WETLAND BOUNDARY (PER FLAGS PLACED BY ERA ON 07/11/2024)

TEMPORARY EASEMENT

2' EARTHEN SHOULDER (TYP.)

10' PCC SIDEWALK, 6 INCH (TYP.)

NON/DIRT PATH

0 20' 40' HORZ.
0 4' 8' VERT.

10' PCC SIDEWALK, 6 INCH (TYP.)

2' EARTHEN SHOULDER (TYP.)

245' R

505' R

55'

70'

16.5'

16.5'

510+00

511+00

512+00

513+00

514+00

515+00

DROP DOWN BOLLARD

BAKERS LANE RIGHT-OF-WAY

PROPERTY LINE (TYP.)

MATCH LINE STA. 510+00 SEE SHEET NO. XX

MATCH LINE STA. 515+00 SEE SHEET NO. XX

2405 ILLINOIS STREET

2406 ILLINOIS STREET

311 DODSON DRIVE

309 DODSON DRIVE

307 DODSON DRIVE

305 DODSON DRIVE

303 DODSON DRIVE

301 DODSON DRIVE

ILLINOIS STREET

SCOTTSWOOD SUBDIVISION

EXISTING C/L PROFILE
PROPOSED C/L PROFILE

736
732
728
724
720
716
712

STA = 510+00.00
ELEV = 722.00

PVC: 510+35.00
ELEV: 721.23

PVI STA: 511+10.00
PVI ELEV: 719.59
K: 31.90
L: 150.00'
L.P.: 511+04.92
EL: 720.46

PVT: 511+85.00
ELEV: 721.47

STA = 513+50.00
ELEV = 725.61

PVC: 514+70.00
ELEV: 728.14

-2.19%

2.51%

2.10%

722.0 722.00
721.0 720.94
720.0 720.47
720.8 720.78
721.7 721.85
723.0 723.10
724.1 724.36
725.6 725.61
726.6 726.66
727.7 727.72
728.4 728.69

510+00 510+50 511+00 511+50 512+00 512+50 513+00 513+50 514+00 514+50 515+00

PRELIMINARY

USER NAME = rbellot	DESIGNED — rcb	REVISED — ___	
	DRAWN — rcb	REVISED — ___	
PLOT SCALE = $SCALE$	CHECKED — JM	REVISED — ___	
PLOT DATE = $DATE$	DATE — 11/7/2024	REVISED — ___	

ENGINEERING RESOURCE ASSOCIATES

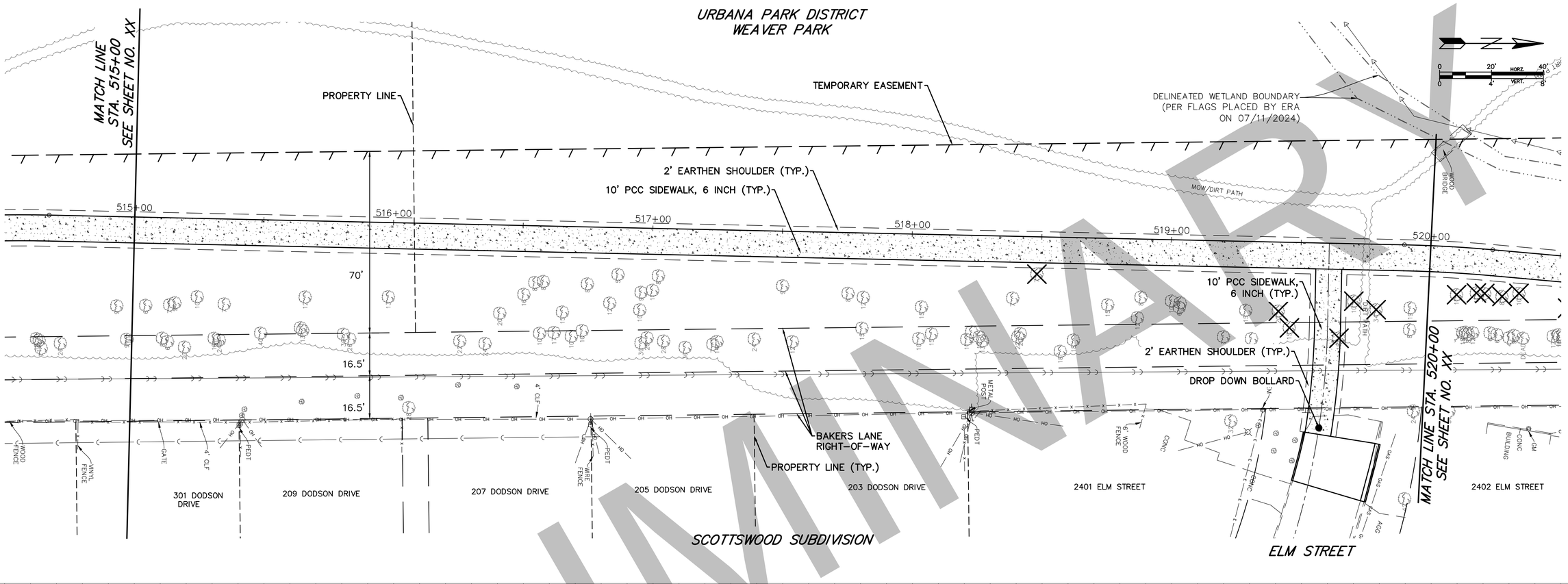
F.A.U. 7131 (WASHINGTON STREET) AND BAKERS LANE SHARED USE PATH CITY OF URBANA, ILLINOIS

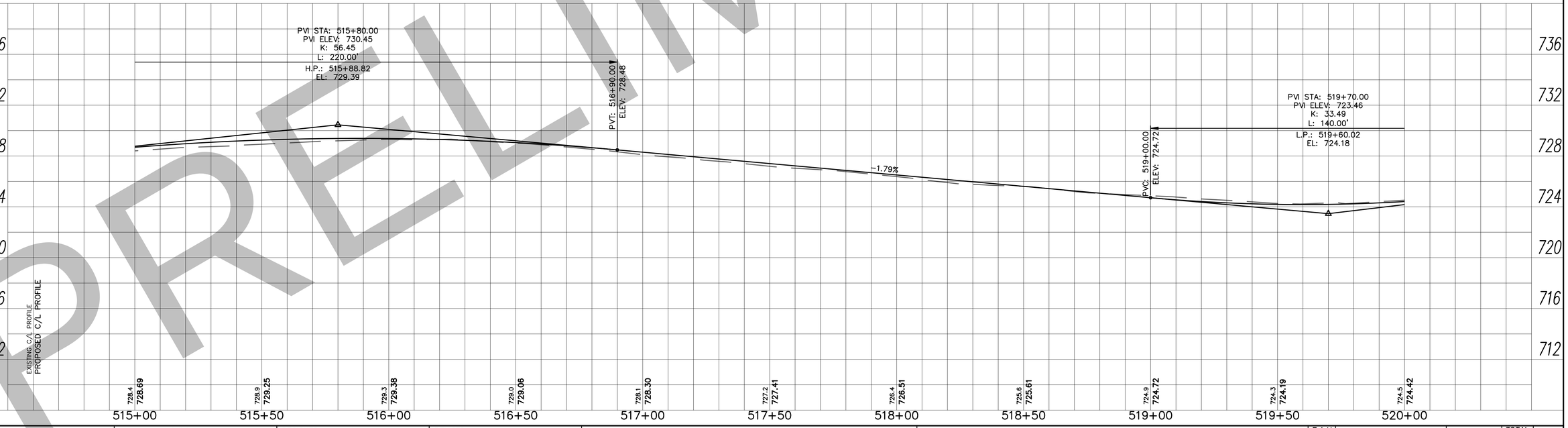
BAKERS LANE PLAN AND PROFILE

SCALE: 1"=20' | SHEET NO. 7 OF 10 SHEETS | STA. 510+00 TO STA. 515+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	NO.
7131	20-00631-00-BT	CHAMPAIGN	35	15
		CONTRACT NO.		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

FILE NAME: H:\Urbana Public Works, City of\W24128.00 Bakers Lane Bike Path\CADD\CADD C3D\99 PARKS\02 Sheet\W24128.00 PNP.dwg





ENGINEERING RESOURCE ASSOCIATES	USER NAME = rbellot	DESIGNED — rcb	REVISED — ___
		DRAWN — rcb	REVISED — ___
	PLOT SCALE = $SCALE$	CHECKED — JM	REVISED — ___
	PLOT DATE = $DATE$	DATE — 11/7/2024	REVISED — ___

F.A.U. 7131 (WASHINGTON STREET) AND BAKERS LANE SHARED USE PATH
CITY OF URBANA, ILLINOIS

BAKERS LANE
PLAN AND PROFILE

SCALE: 1"=20' | SHEET NO. 8 OF 10 SHEETS | STA. 515+00 TO STA. 520+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	NO.
7131	20-00631-00-BT	CHAMPAIGN	35	16
		CONTRACT NO.		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

FILE NAME:H:\Urbana Public Works, City of\W24128.00 Bakers Lane Bike Path\CADD\CADD C3D\99 PARKS\02 Sheet\W24128.00 PNP.dwg

URBANA PARK DISTRICT
WEAVER PARK

MATCH LINE STA. 520+00
SEE SHEET NO. XX

MATCH LINE STA. 525+00
SEE SHEET NO. XX

0 20' 40' HORZ.
0 4' 8' VERT.

DELINEATED WETLAND BOUNDARY
(PER FLAGS PLACED BY ERA
ON 07/11/2024)

EDGE OF BRUSH OR TREES

TEMPORARY EASEMENT

2' EARTHEN SHOULDER (TYP.)

10' PCC SIDEWALK, 6 INCH (TYP.)

505' R

495' R

395' R

70'

16.5'

8'

16.5'

520+00

521+00

522+00

523+00

524+00

525+00

WOOD BRIDGE

MULTI-USE PATH

GARDEN ENCLOSURE

BAKERS LANE
RIGHT-OF-WAY

CONC BUILDING

GM

PEDE

GUY WIRE

PROPERTY LINE (TYP.)

2402 ELM STREET

SCOTTSWOOD SUBDIVISION

ELM STREET

BENCH

TIMBERS

SPLIT RAIL FENCE

WINDMILL ON CONC

2315 MAIN STREET

PRELIMINARY

EXISTING C/L PROFILE
PROPOSED C/L PROFILE

736
732
728
724
720
716
712

PVI STA: 521+60.00
PVI ELEV: 728.00
K: 45.76
L: 180.00'
H.P.: 521+79.28
EL: 727.16

PVI STA: 523+20.00
PVI ELEV: 725.53
K: 36.21
L: 100.00'
L.P.: 523+25.96
EL: 725.87

PVI STA: 525+00.00
PVI ELEV: 728.40
K: 83.46
L: 100.00'

PVT: 520+40.00
ELEV: 725.13

2.39%

PVC: 520+70.00
ELEV: 725.85

PVT: 522+50.00
ELEV: 726.61

1.56%

PVC: 522+70.00
ELEV: 726.30

PVT: 523+70.00
ELEV: 726.14

1.22%

STA = 524+00.00
ELEV = 726.50

1.90%

PVC: 524+50.00
ELEV: 727.45

724.5 724.42
725.4 725.37
726.5 726.47
726.8 727.06
727.2 727.11
727.0 726.61
726.0 725.96
725.9 725.95
726.7 726.50
727.7 727.45
728.7 728.55

520+00 520+50 521+00 521+50 522+00 522+50 523+00 523+50 524+00 524+50 525+00

ENGINEERING RESOURCE ASSOCIATES	USER NAME = rbellot	DESIGNED — rcb	REVISED — ___
		DRAWN — rcb	REVISED — ___
	PLOT SCALE = $SCALE$	CHECKED — JM	REVISED — ___
	PLOT DATE = $DATE$	DATE — 11/7/2024	REVISED — ___

**F.A.U. 7131 (WASHINGTON STREET)
AND BAKERS LANE SHARED USE PATH
CITY OF URBANA, ILLINOIS**

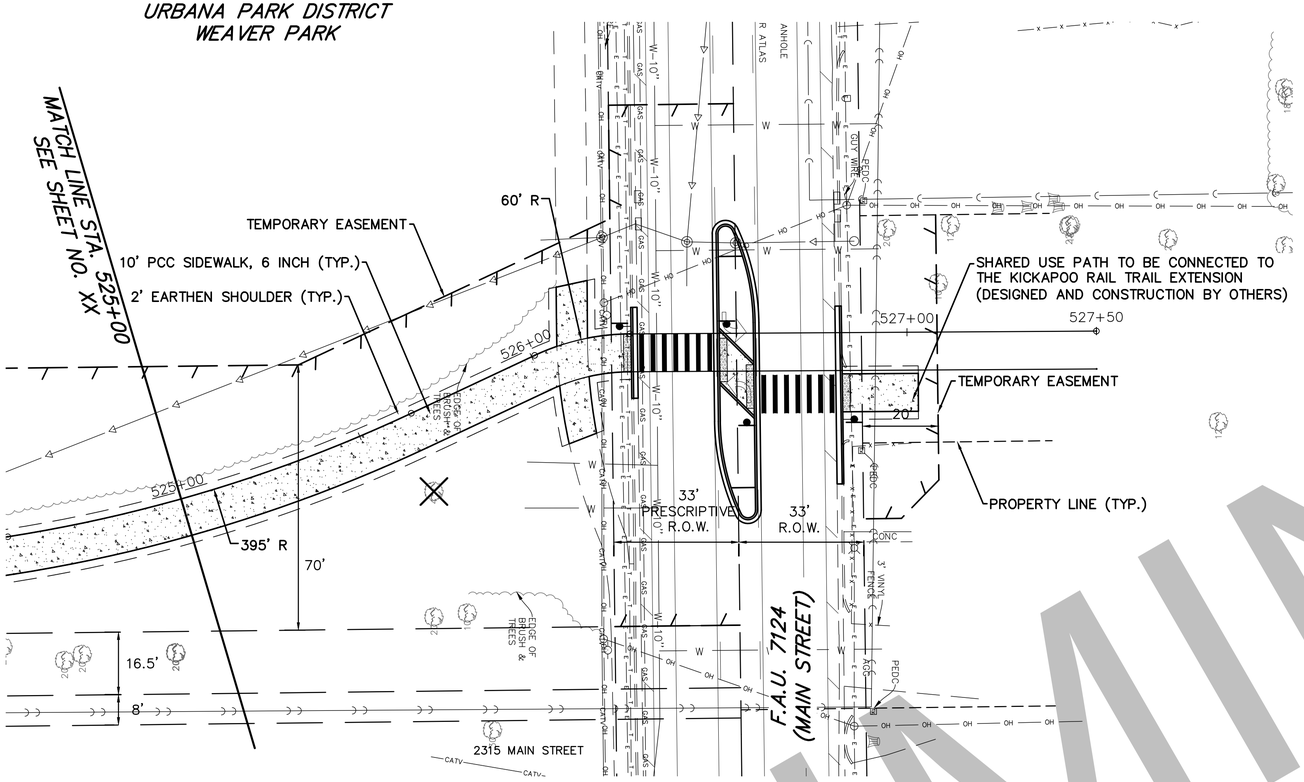
**BAKERS LANE
PLAN AND PROFILE**

SCALE: 1"=20' | SHEET NO. 9 OF 10 SHEETS | STA. 520+00 TO STA. 525+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	NO.
7131	20-00631-00-BT	CHAMPAIGN	35	17
		CONTRACT NO.		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

FILE NAME:H:\Urbana Public Works, City of\W24128.00_Bakers Lane Bike Path\CADD\CADD C3D\99 PARKS\02 Sheet\W24128.00 PNP.dwg

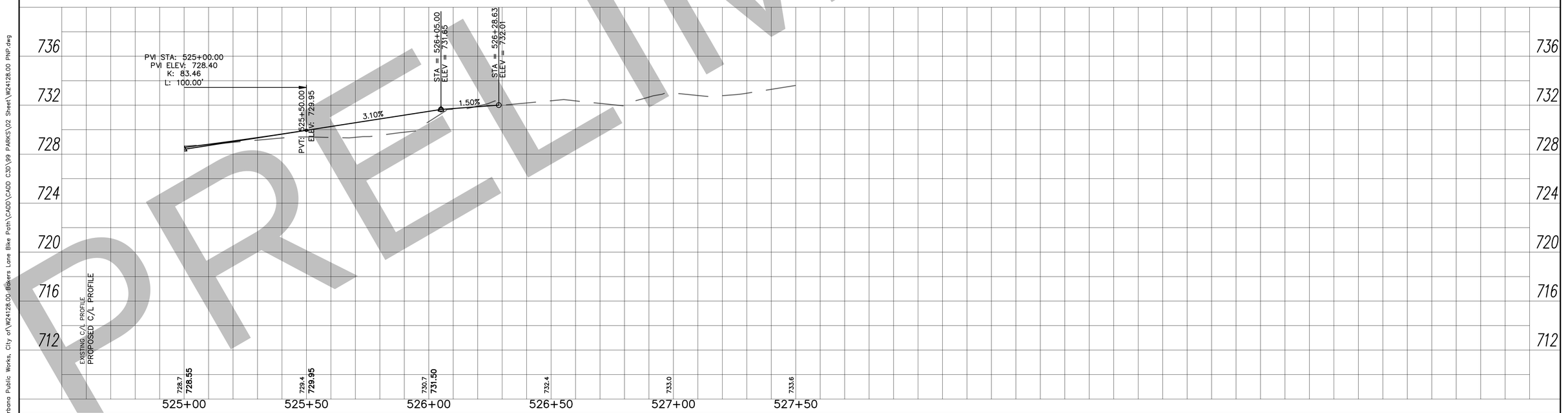
URBANA PARK DISTRICT
WEAVER PARK



NOTES:

SEE SHEET TITLED "F.A.U. 7124 (MAIN STREET) MID-BLOCK CROSSING PLAN" FOR MORE DETAIL

0 20' 40' HORZ.
0 4' 8' VERT.



ENGINEERING RESOURCE ASSOCIATES	USER NAME = rbellot	DESIGNED — rcb	REVISED — ___
		DRAWN — rcb	REVISED — ___
	PLOT SCALE = $SCALE$	CHECKED — JM	REVISED — ___
	PLOT DATE = $DATE$	DATE — 11/7/2024	REVISED — ___

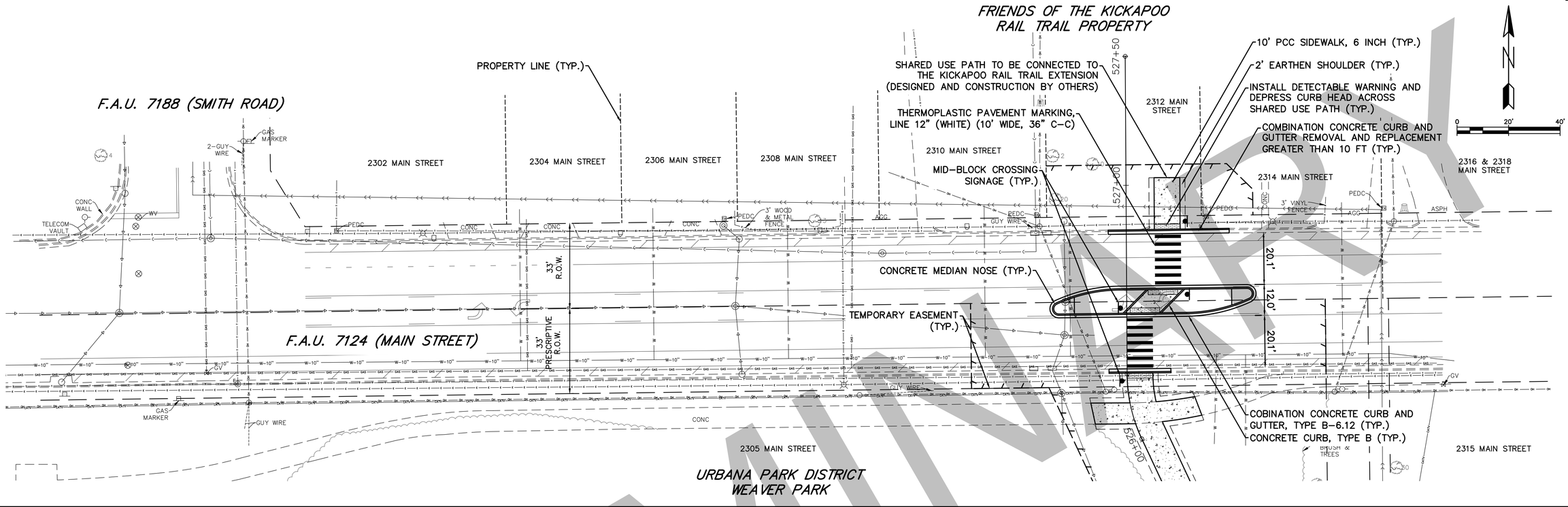
F.A.U. 7131 (WASHINGTON STREET) AND BAKERS LANE SHARED USE PATH CITY OF URBANA, ILLINOIS

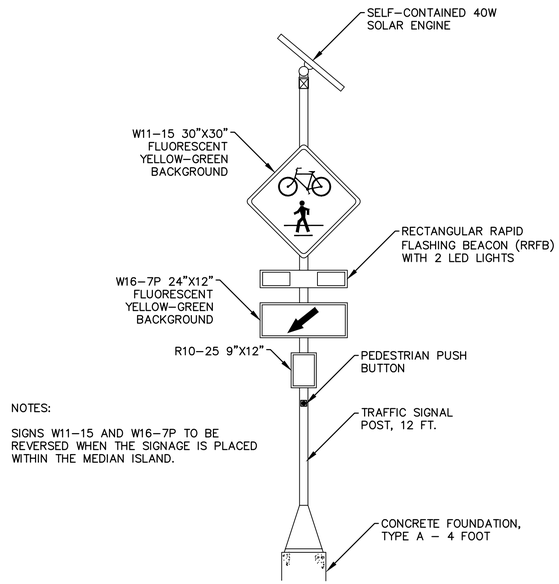
BAKERS LANE PLAN AND PROFILE

SCALE: 1"=20' | SHEET NO. 10 OF 10 SHEETS | STA. 525+00 TO STA. 527+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	NO.
7131	20-00631-00-BT	CHAMPAIGN	35	18
		CONTRACT NO.		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

FILE NAME: H:\Urbana Public Works, City of\W24128.00 Bakers Lane Bike Path\CADD\CADD C3D\99 PARKS\02 Sheet\W24128.00 PNP.dwg





MID-BLOCK CROSSING SIGNAGE DETAIL

FILE NAME:H:\Urbana Public Works, City of\W24128.00_Bakers Lane Bike Path\CADD\CADD C3D\99 PARKS\02 Sheet\W24128.00 PLAN.dwg

ENGINEERING RESOURCE ASSOCIATES

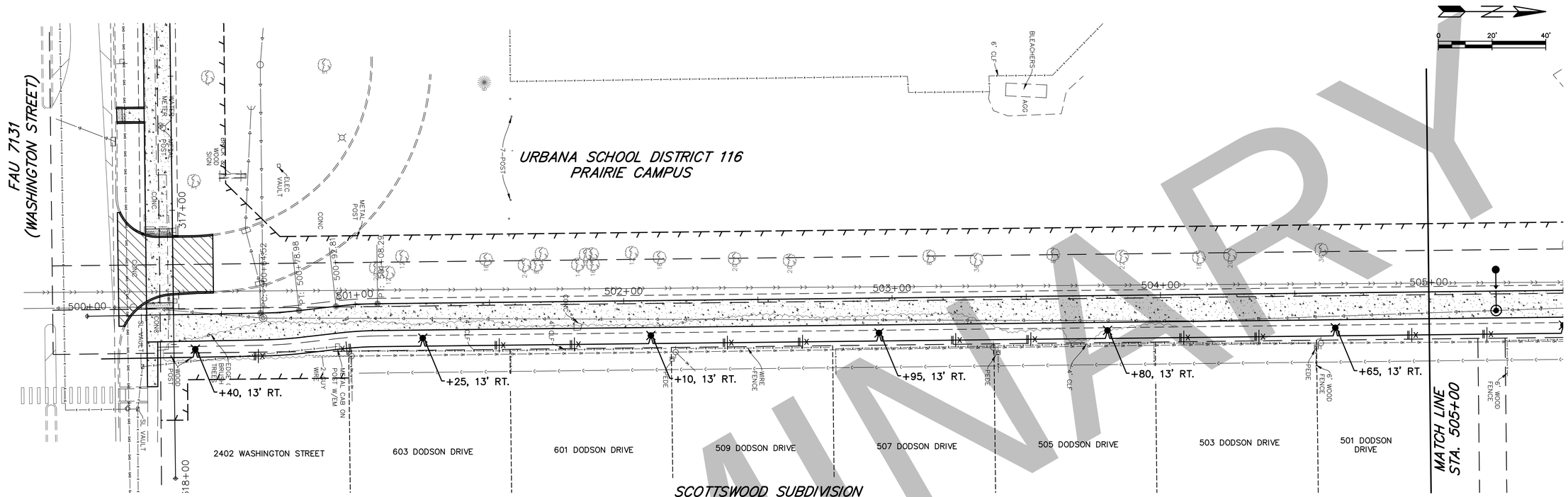
USER NAME = rbelliot	DESIGNED - rcb	REVISED - ___
	DRAWN - rcb	REVISED - ___
PLOT SCALE = $SCALE$	CHECKED - JM	REVISED - ___
PLOT DATE = $DATE$	DATE - 11/18/2024	REVISED - ___

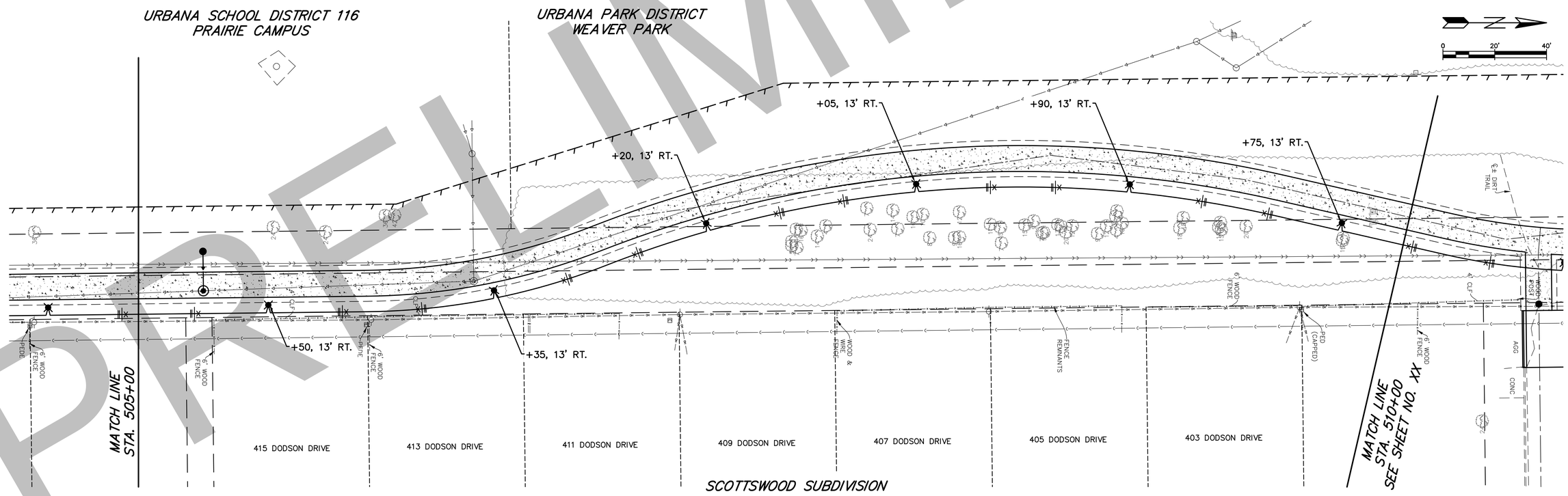
F.A.U. 7131 (WASHINGTON STREET) AND BAKERS LANE SHARED USE PATH CITY OF URBANA, ILLINOIS

F.A.U. 7124 (MAIN STREET) MID-BLOCK CROSSING PLAN

SCALE: 1"=20' | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	NO.
7131	20-00631-00-BT	CHAMPAIGN	35	19
		CONTRACT NO.		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		





FILE NAME:H:\Urbana Public Works, City of\W24128.00_Bakers Lane Bike Path\CADD\CADD C3D\99 PARKS\02 Sheet\W24128.00 LIGHT.dwg

ENGINEERING RESOURCE ASSOCIATES

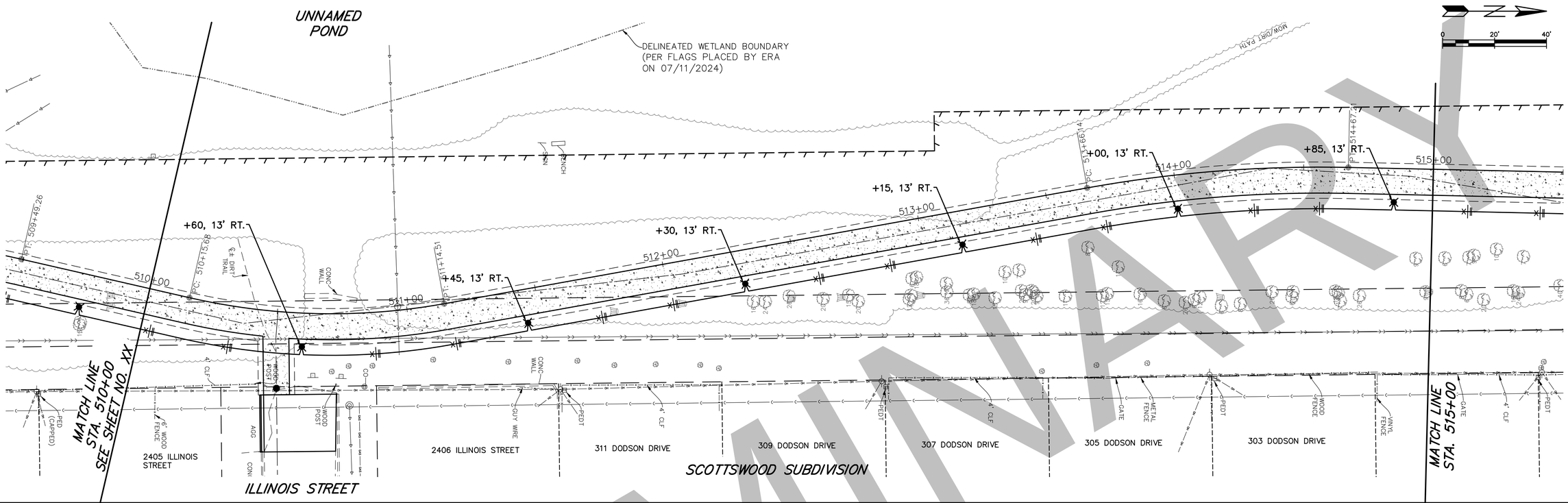
USER NAME = rbelliot	DESIGNED — rcb	REVISED — ___
	DRAWN — rcb	REVISED — ___
PLOT SCALE = $SCALE$	CHECKED — JM	REVISED — ___
PLOT DATE = $DATE$	DATE — 11/18/2024	REVISED — ___

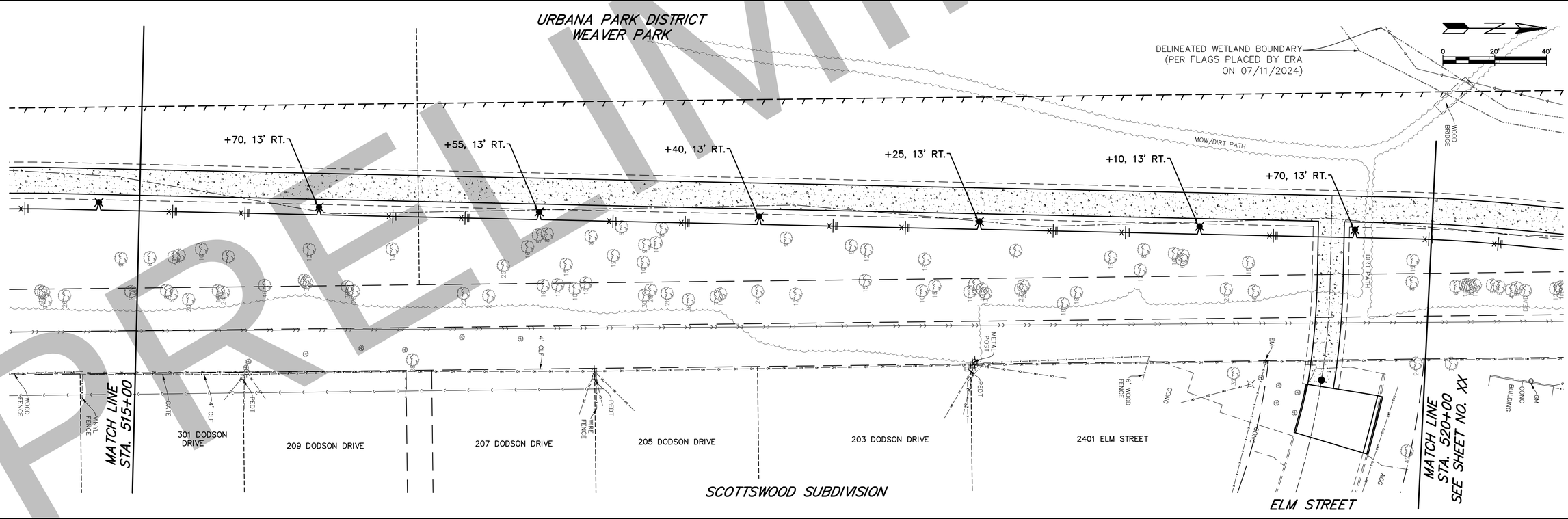
**F.A.U. 7131 (WASHINGTON STREET)
AND BAKERS LANE SHARED USE PATH
CITY OF URBANA, ILLINOIS**

**BAKERS LANE
ROADWAY LIGHTING PLAN**

SCALE: 1"=20' | SHEET NO. 1 OF 3 SHEETS | STA. xxx+xx TO STA. xxx+xx

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	NO.
7131	20-00631-00-BT	CHAMPAIGN	35	20
		CONTRACT NO.		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		





ENGINEERING RESOURCE ASSOCIATES	USER NAME = rbelliot	DESIGNED — rcb	REVISED — ___
		DRAWN — rcb	REVISED — ___
	PLOT SCALE = $SCALE$	CHECKED — JM	REVISED — ___
	PLOT DATE = $DATE$	DATE — 11/18/2024	REVISED — ___

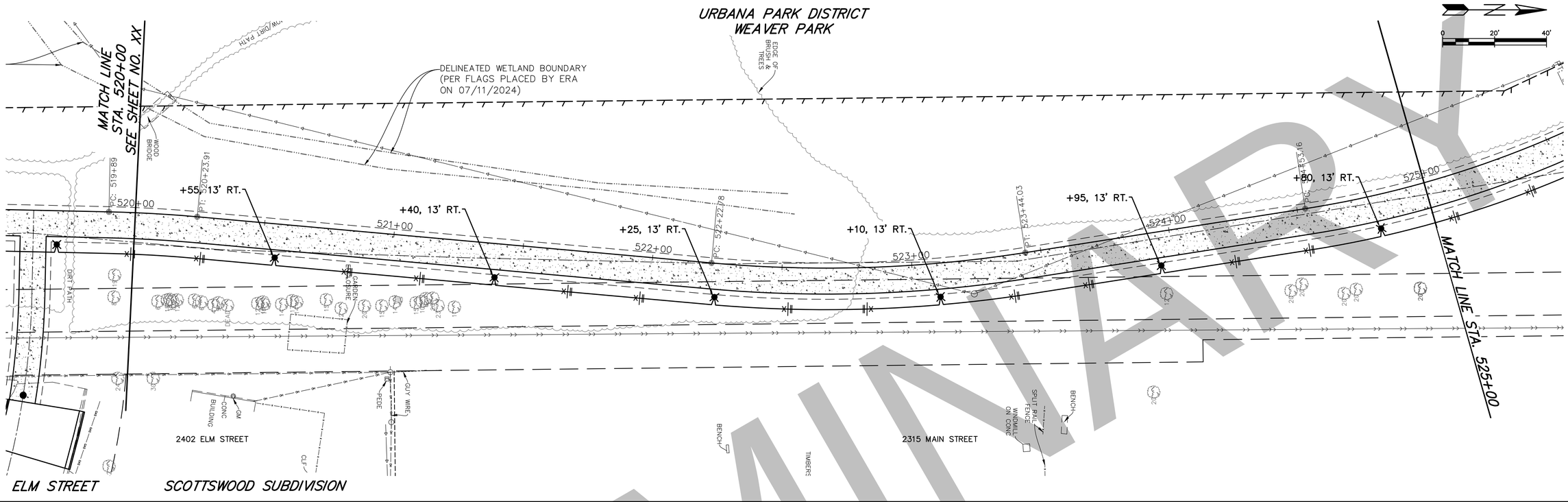
F.A.U. 7131 (WASHINGTON STREET) AND BAKERS LANE SHARED USE PATH CITY OF URBANA, ILLINOIS

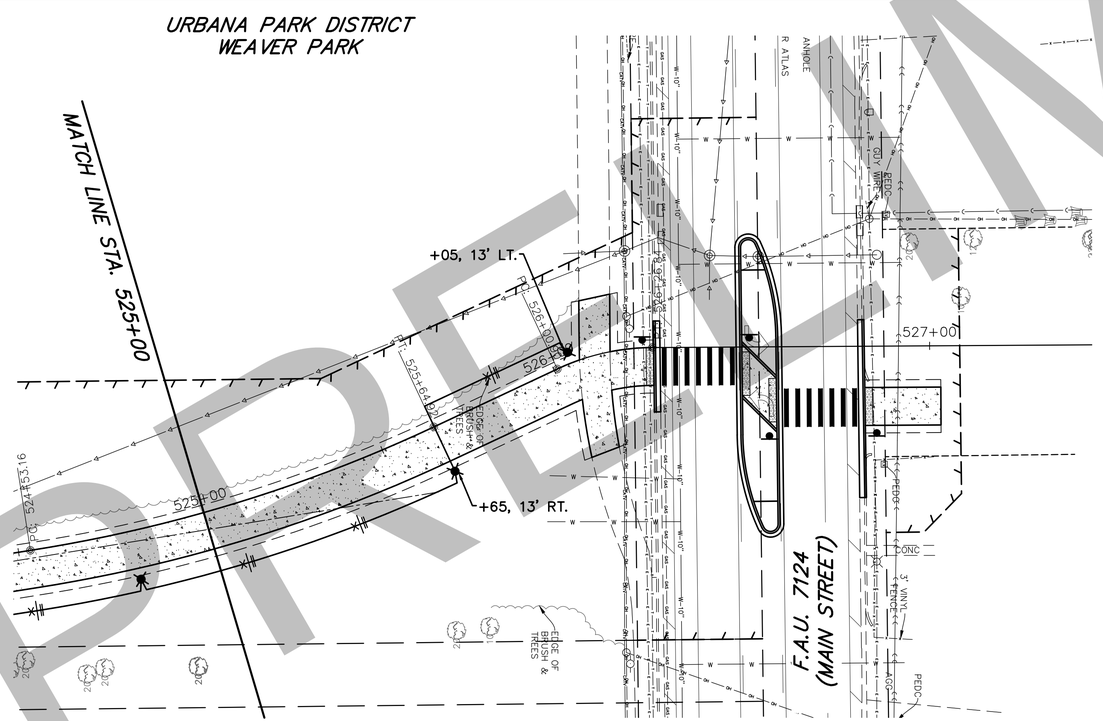
BAKERS LANE ROADWAY LIGHTING PLAN

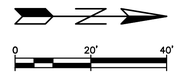
SCALE: 1"=20' | SHEET NO. 2 OF 3 SHEETS | STA. xxx+xx TO STA. xxx+xx

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	NO.
7131	20-00631-00-BT	CHAMPAIGN	35	21
		CONTRACT NO.		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

FILE NAME:H:\Urbana Public Works, City of\W24128.00_Bakers Lane Bike Path\CADD\CADD C3D\99 PARKS\02 Sheet\W24128.00 LIGHT.dwg







FILE NAME:H:\Urbana Public Works, City of\W24128.00_Bakers Lane Bike Path\CADD\CADD C3D\99 PARKS\02 Sheet\W24128.00 LIGHT.dwg

ENGINEERING RESOURCE ASSOCIATES

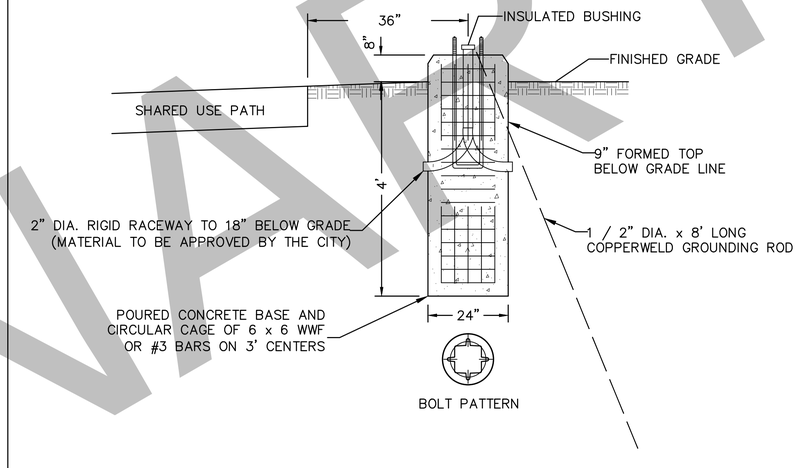
USER NAME = rbelliot	DESIGNED — rcb	REVISED — ___
	DRAWN — rcb	REVISED — ___
PLOT SCALE = $SCALE$	CHECKED — JM	REVISED — ___
PLOT DATE = $DATE$	DATE — 11/18/2024	REVISED — ___

**F.A.U. 7131 (WASHINGTON STREET)
AND BAKERS LANE SHARED USE PATH
CITY OF URBANA, ILLINOIS**

**BAKERS LANE
ROADWAY LIGHTING PLAN**

SCALE: 1"=20' | SHEET NO. 2 OF 3 SHEETS | STA. xxx+xx TO STA. xxx+xx

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	NO.
7131	20-00631-00-BT	CHAMPAIGN	35	22
		CONTRACT NO.		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		



PEDESTRIAN LIGHT FOUNDATION DETAIL

NOT TO SCALE

FILE NAME:H:\Urbana Public Works, City of\W24128.00 Bikers Lane Bike Path\CADD\CADD C3D\99 PARKS\02 Sheet\W24128.00 LIGHT DETAIL.dwg

ENGINEERING RESOURCE ASSOCIATES

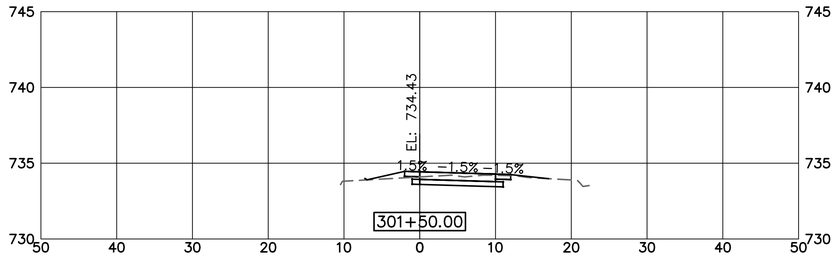
USER NAME = rbellot	DESIGNED – rcb	REVISED – ___
	DRAWN – rcb	REVISED – ___
PLOT SCALE = $SCALE$	CHECKED – JM	REVISED – ___
PLOT DATE = $DATE$	DATE – 11/18/2024	REVISED – ___

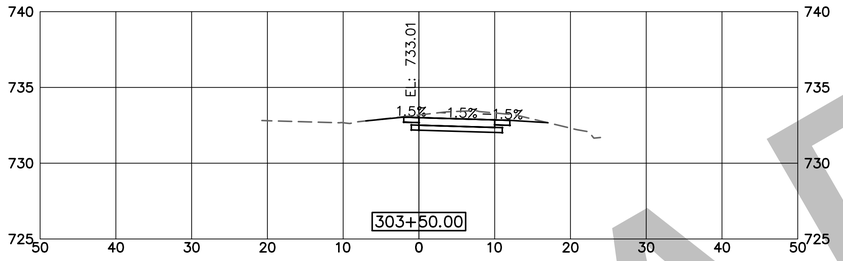
**F.A.U. 7131 (WASHINGTON STREET)
AND BAKERS LANE SHARED USE PATH
CITY OF URBANA, ILLINOIS**

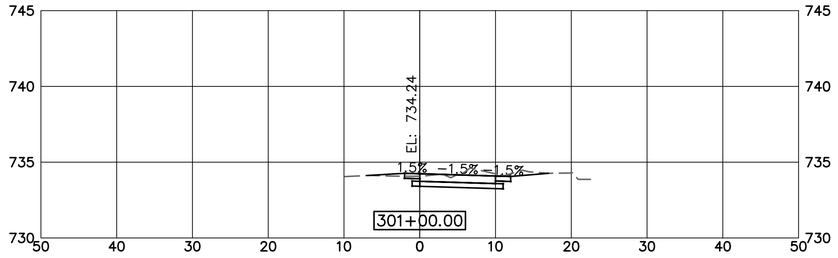
**BAKERS LANE
ROADWAY LIGHTING DETAILS**

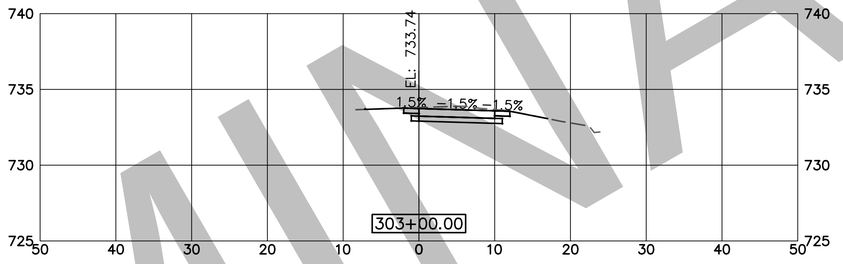
SCALE: N.T.S. | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

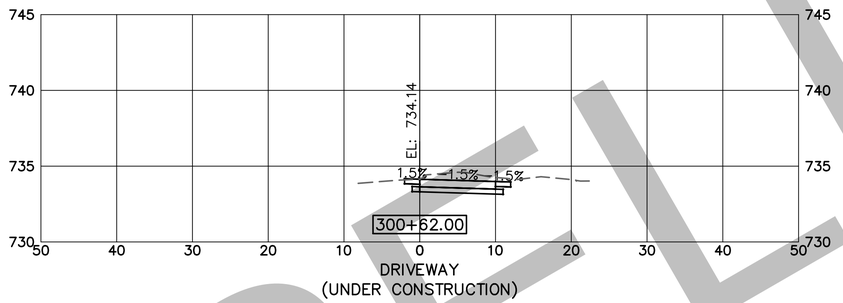
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	NO.
7131	20-00631-00-BT	CHAMPAIGN	35	23
		CONTRACT NO.		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

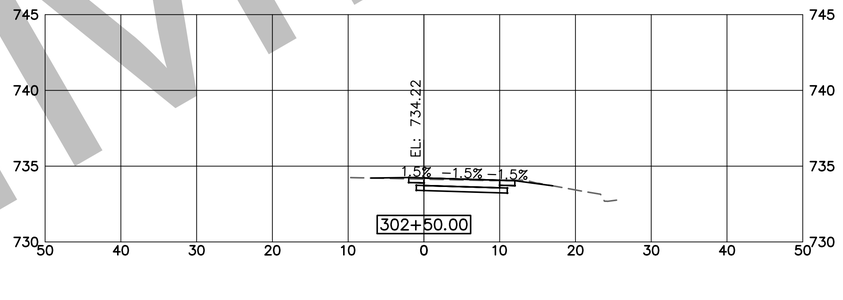


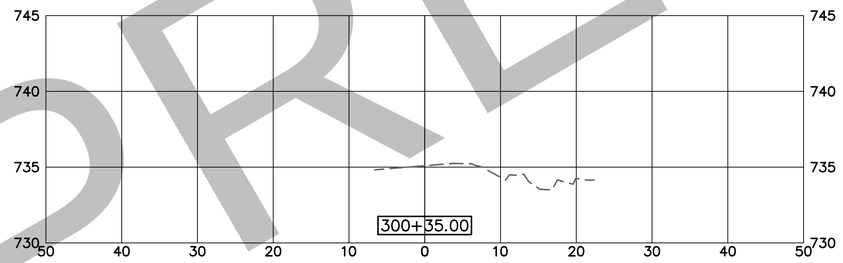


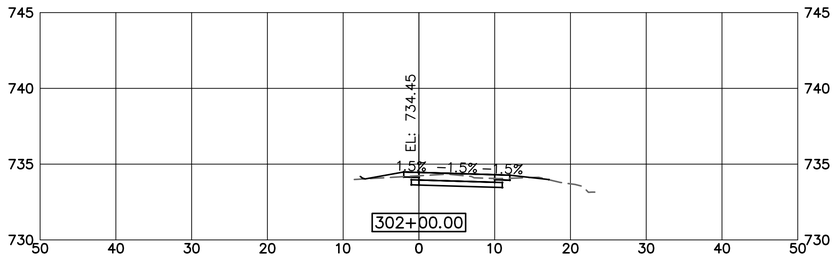


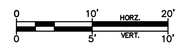












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ENGINEERING RESOURCE ASSOCIATES

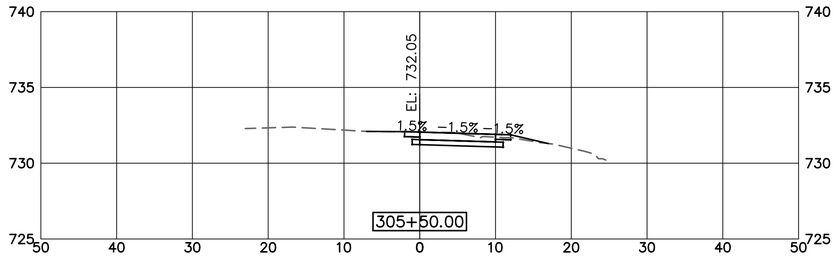
USER NAME = rbelliot	DESIGNED — rcb	REVISED — ___	
	DRAWN — rcb	REVISED — ___	
PLOT SCALE = $SCALE$	CHECKED — JM	REVISED — ___	
PLOT DATE = $DATE$	DATE — 11/18/2024	REVISED — ___	

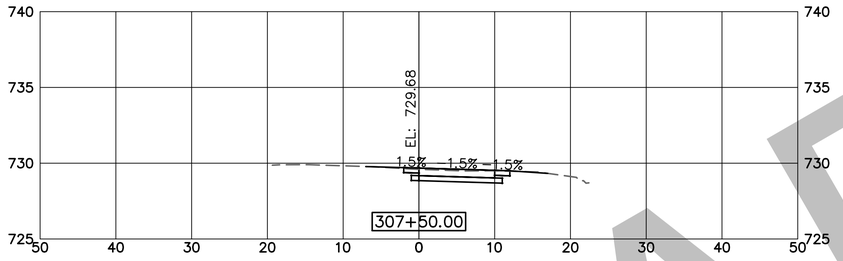
F.A.U. 7131 (WASHINGTON STREET) AND BAKERS LANE SHARED USE PATH CITY OF URBANA, ILLINOIS

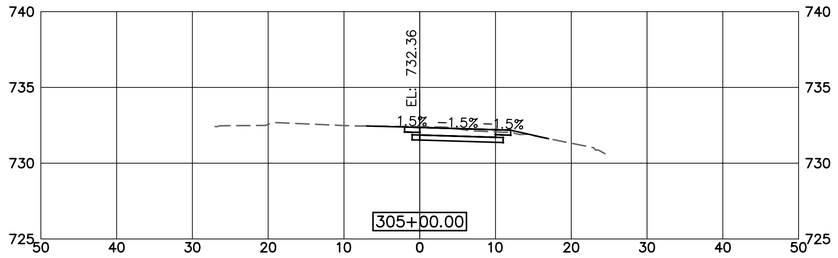
F.A.U. 7131 (WASHINGTON STREET) CROSS SECTIONS

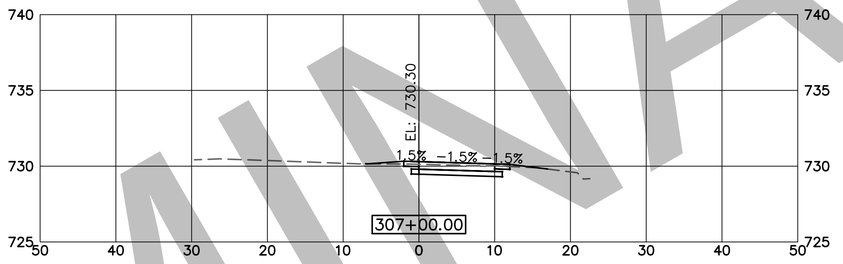
SCALE: 1"=10' | SHEET NO. 1 OF 12 SHEETS | STA. xxx+xx TO STA. xxx+xx

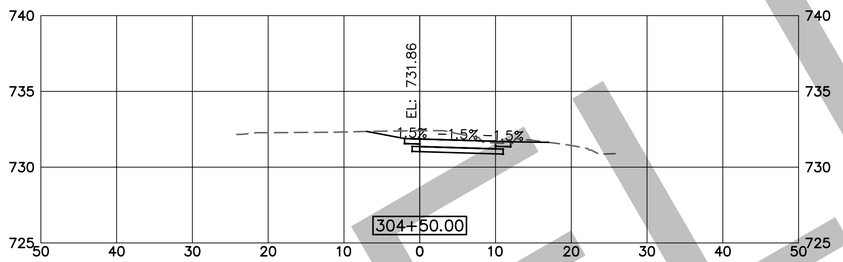
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	NO.
7131	20-00631-00-BT	CHAMPAIGN	35	24
		CONTRACT NO.		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

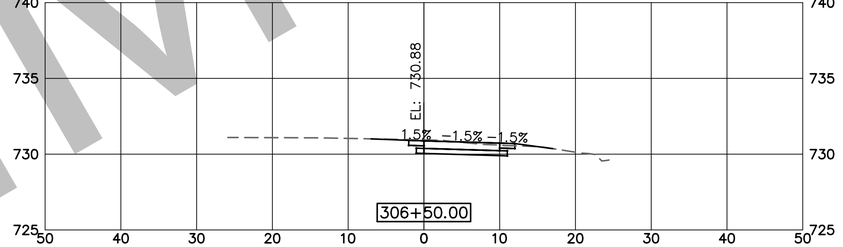


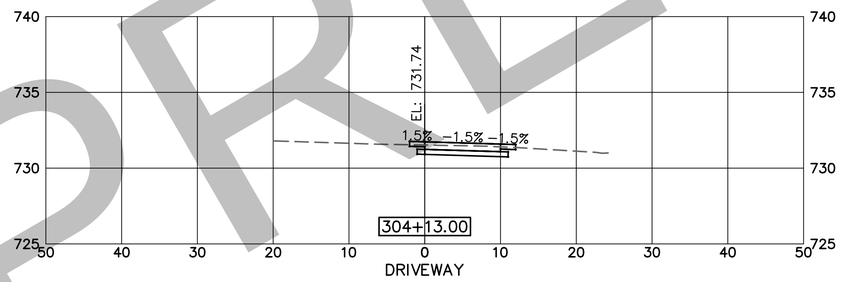


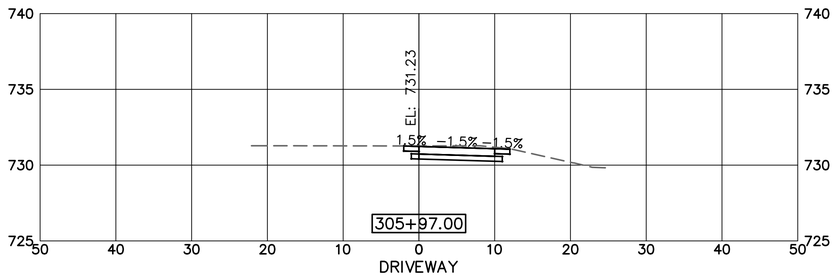


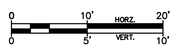












FILE NAME:H:\Urbana Public Works, City of\W24128.00 Bakers Lane Bike Path\CADD\CADD C3D\99 PARKS\02 Sheet\W24128.00 XSEC.dwg

ENGINEERING RESOURCE ASSOCIATES

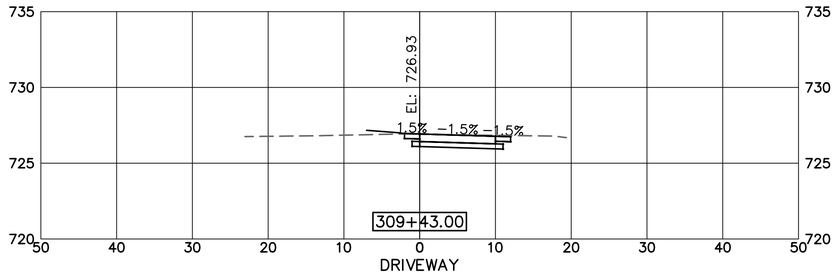
USER NAME = rbelliot	DESIGNED — rcb	REVISED — ___
	DRAWN — rcb	REVISED — ___
PLOT SCALE = $SCALE$	CHECKED — JM	REVISED — ___
PLOT DATE = $DATE$	DATE — 11/18/2024	REVISED — ___

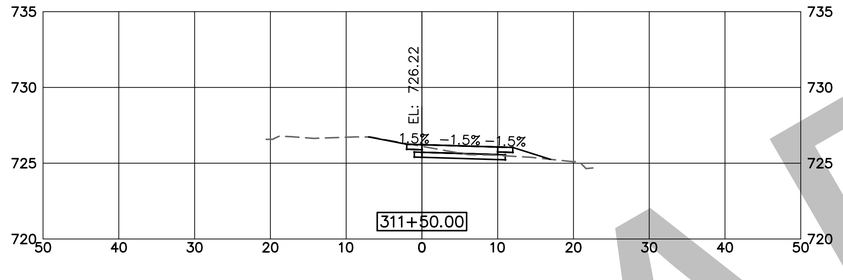
F.A.U. 7131 (WASHINGTON STREET) AND BAKERS LANE SHARED USE PATH CITY OF URBANA, ILLINOIS

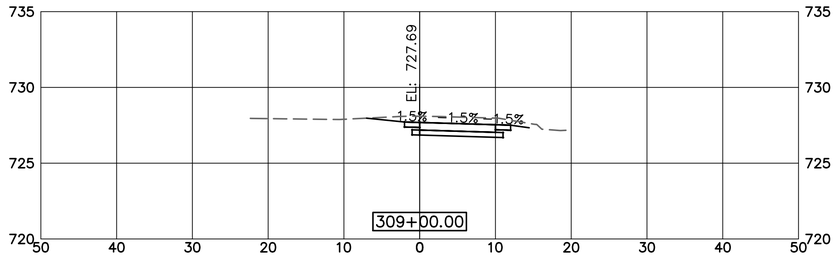
F.A.U. 7131 (WASHINGTON STREET) CROSS SECTIONS

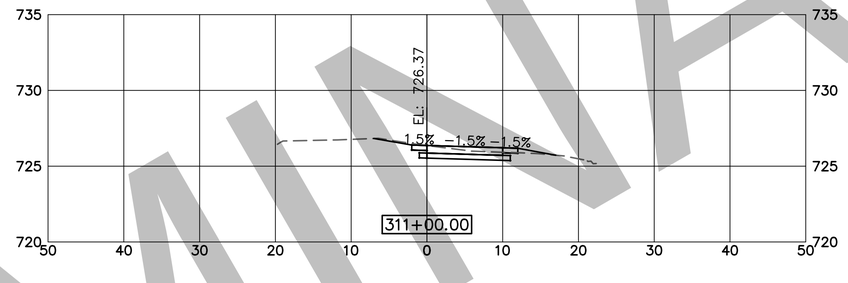
SCALE: 1"=10' | SHEET NO. 2 OF 12 SHEETS | STA. xxx+xx TO STA. xxx+xx

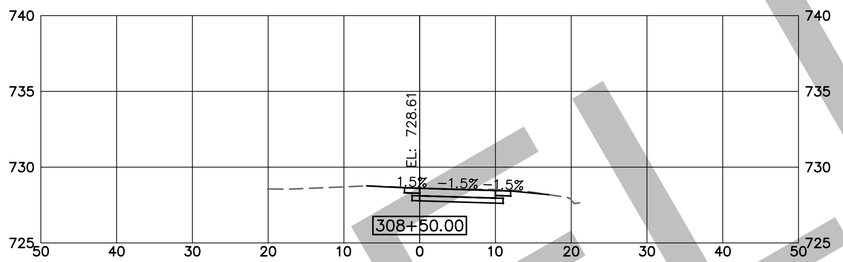
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	NO.
7131	20-00631-00-BT	CHAMPAIGN	35	25
		CONTRACT NO.		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

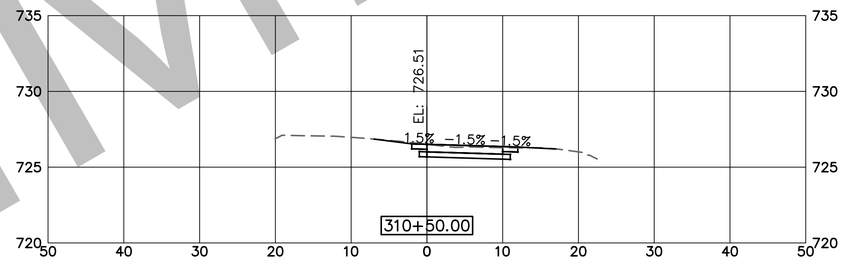


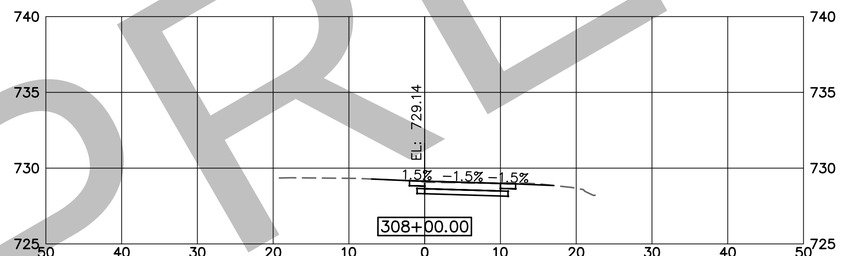


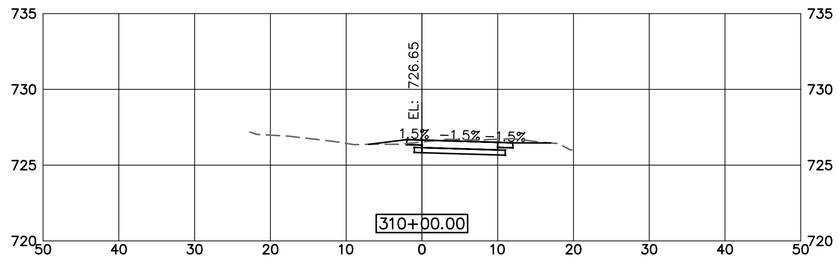


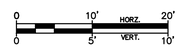












FILE NAME:H:\Urbana Public Works, City of\W24128.00 Bakers Lane Bike Path\CADD\CADD C3D\99 PARKS\02 Sheet\W24128.00 XSEC.dwg

ENGINEERING RESOURCE ASSOCIATES

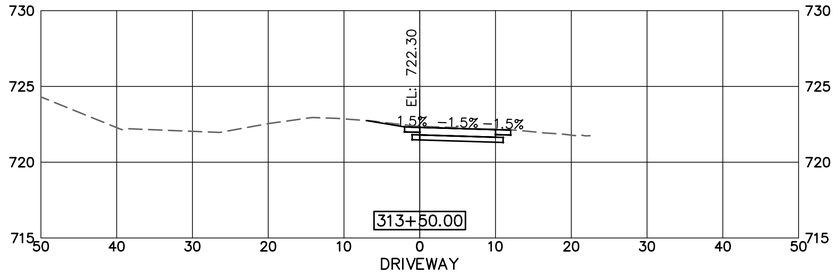
USER NAME = rbelliot	DESIGNED — rcb	REVISED — ___
	DRAWN — rcb	REVISED — ___
PLOT SCALE = $SCALE$	CHECKED — JM	REVISED — ___
PLOT DATE = $DATE$	DATE — 11/18/2024	REVISED — ___

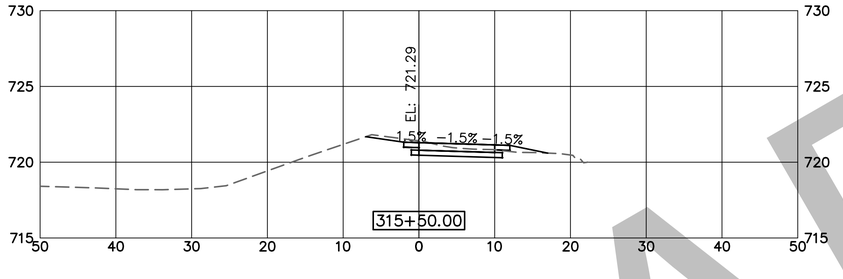
F.A.U. 7131 (WASHINGTON STREET) AND BAKERS LANE SHARED USE PATH CITY OF URBANA, ILLINOIS

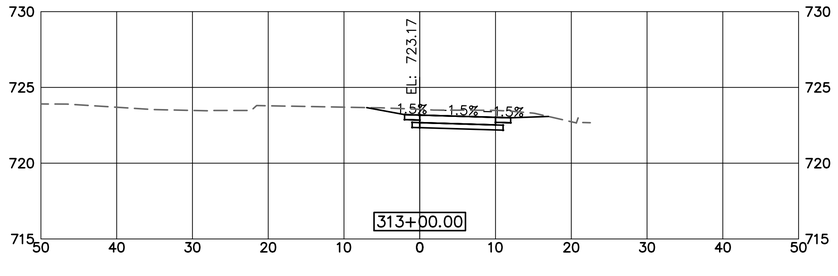
F.A.U. 7131 (WASHINGTON STREET) CROSS SECTIONS

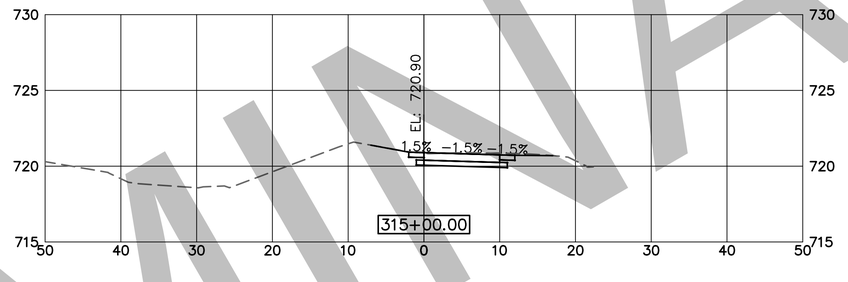
SCALE: 1"=10' | SHEET NO. 3 OF 12 SHEETS | STA. xxx+xx TO STA. xxx+xx

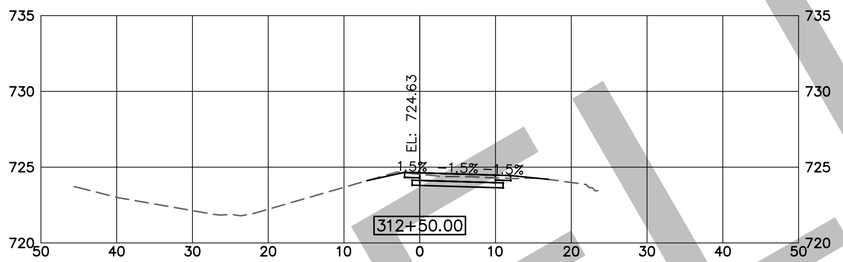
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	NO.
7131	20-00631-00-BT	CHAMPAIGN	35	26
		CONTRACT NO.		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

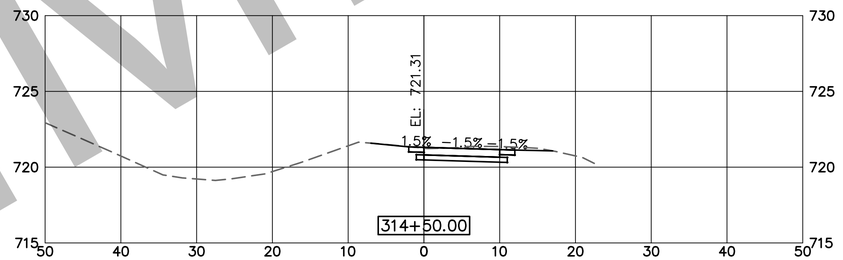


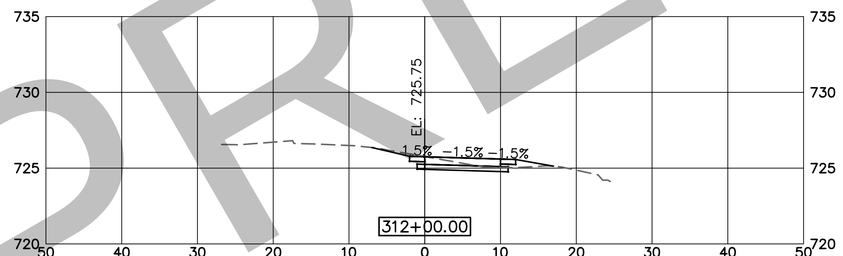


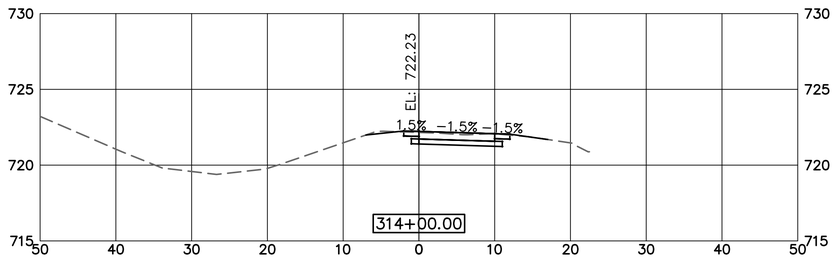


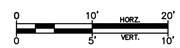












FILE NAME:H:\Urbana Public Works, City of\W24128.00 Bakers Lane Bike Path\CADD\CADD C3D\99 PARKS\02 Sheet\W24128.00 XSEC.dwg

ENGINEERING RESOURCE ASSOCIATES

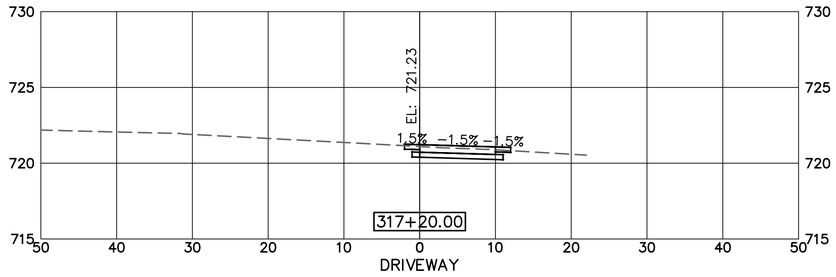
USER NAME = rbelliot	DESIGNED — rcb	REVISED — ___
	DRAWN — rcb	REVISED — ___
PLOT SCALE = $SCALE$	CHECKED — JM	REVISED — ___
PLOT DATE = $DATE$	DATE — 11/18/2024	REVISED — ___

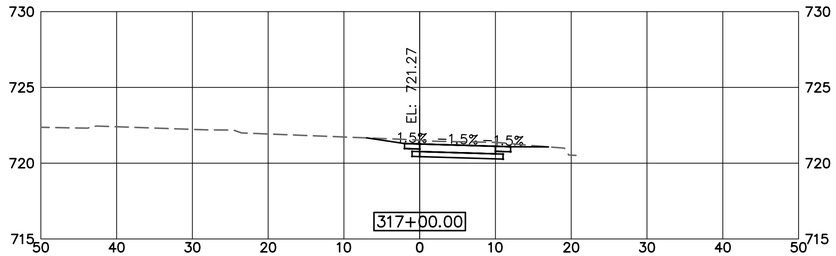
F.A.U. 7131 (WASHINGTON STREET) AND BAKERS LANE SHARED USE PATH CITY OF URBANA, ILLINOIS

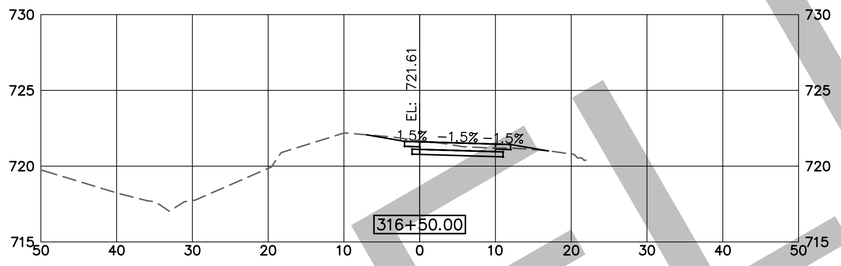
F.A.U. 7131 (WASHINGTON STREET) CROSS SECTIONS

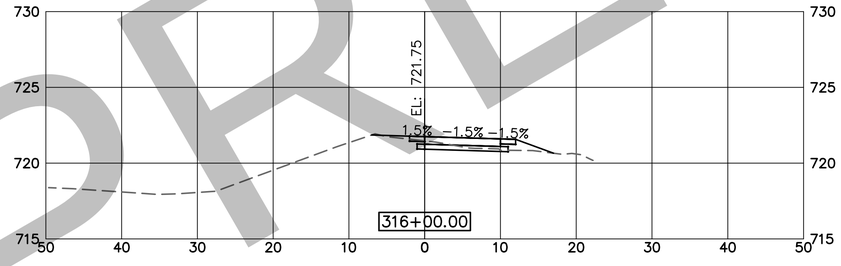
SCALE: 1"=10' | SHEET NO. 4 OF 12 SHEETS | STA. xxx+xx TO STA. xxx+xx

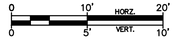
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	NO.
7131	20-00631-00-BT	CHAMPAIGN	35	27
		CONTRACT NO.		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		











FILE NAME:H:\Urbana Public Works, City of\W24128.00_Bakers Lane Bike Path\CADD\CADD C3D\99 PARKS\02 Sheet\W24128.00 XSEC.dwg

ENGINEERING RESOURCE ASSOCIATES

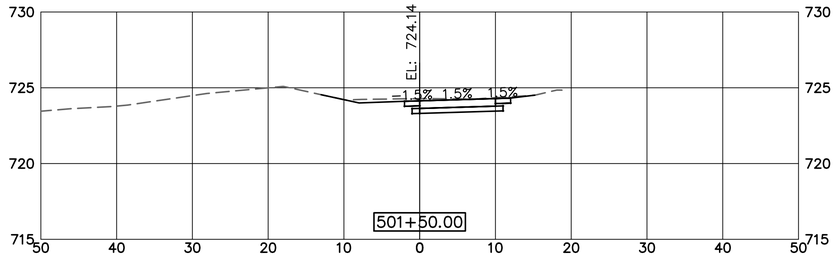
USER NAME = rbelliot	DESIGNED — rcb	REVISED — ___
	DRAWN — rcb	REVISED — ___
PLOT SCALE = $SCALE$	CHECKED — JM	REVISED — ___
PLOT DATE = $DATE$	DATE — 11/18/2024	REVISED — ___

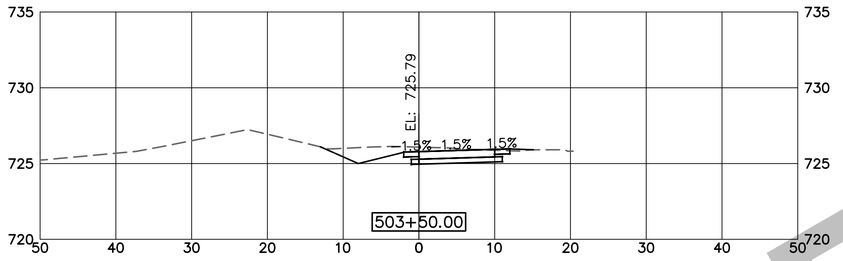
F.A.U. 7131 (WASHINGTON STREET) AND BAKERS LANE SHARED USE PATH CITY OF URBANA, ILLINOIS

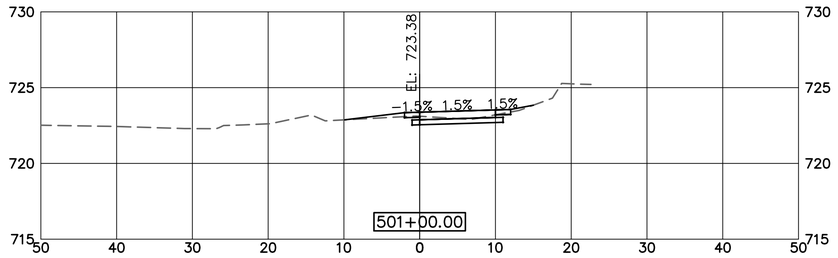
F.A.U. 7131 (WASHINGTON STREET) CROSS SECTIONS

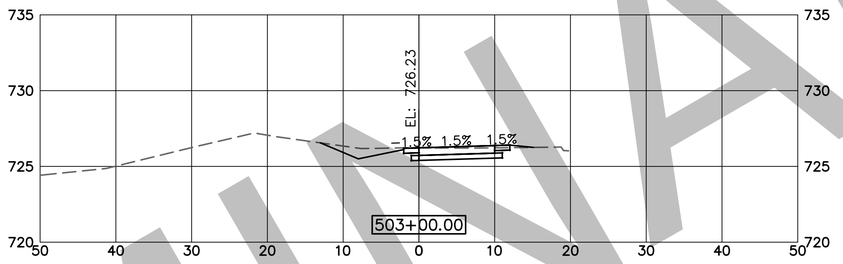
SCALE: 1"=10' | SHEET NO. 5 OF 12 SHEETS | STA. xxx+xx TO STA. xxx+xx

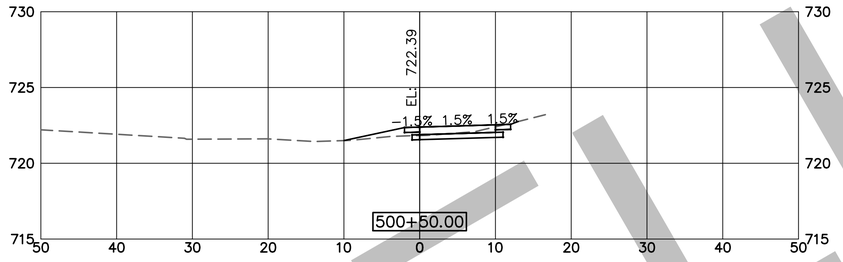
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	NO.
7131	20-00631-00-BT	CHAMPAIGN	35	28
		CONTRACT NO.		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

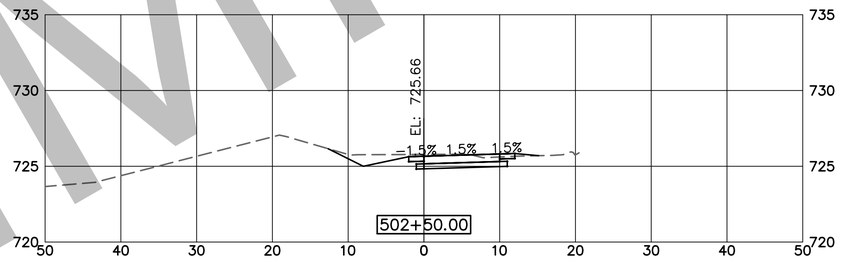


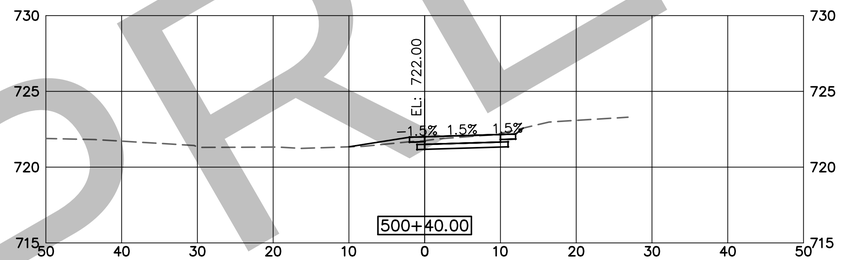


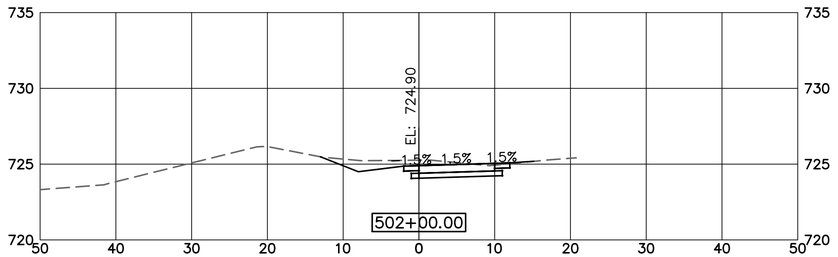


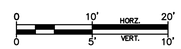












ENGINEERING RESOURCE ASSOCIATES

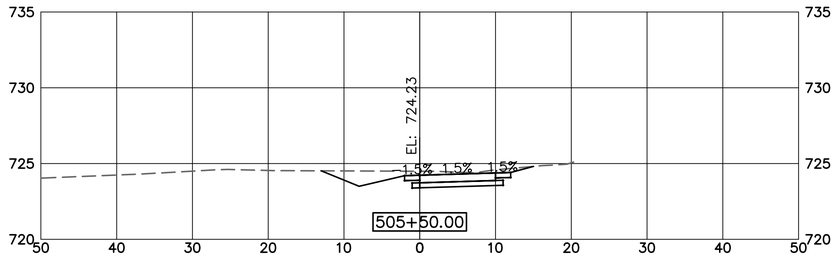
USER NAME = rbellot	DESIGNED – rcb	REVISED – ___
	DRAWN – rcb	REVISED – ___
PLOT SCALE = $SCALE$	CHECKED – JM	REVISED – ___
PLOT DATE = $DATE$	DATE – 11/18/2024	REVISED – ___

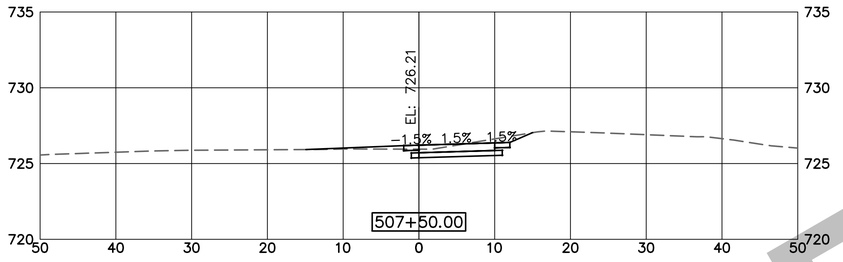
F.A.U. 7131 (WASHINGTON STREET) AND BAKERS LANE SHARED USE PATH CITY OF URBANA, ILLINOIS

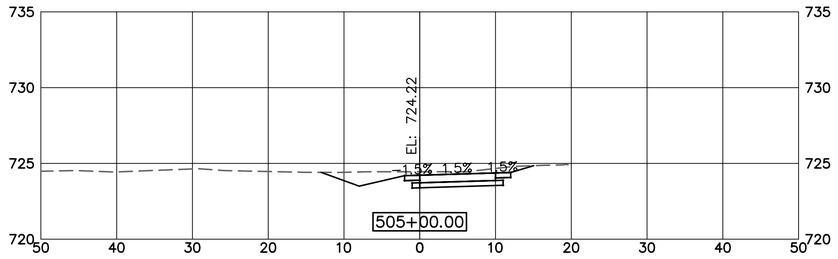
BAKERS LANE CROSS SECTIONS

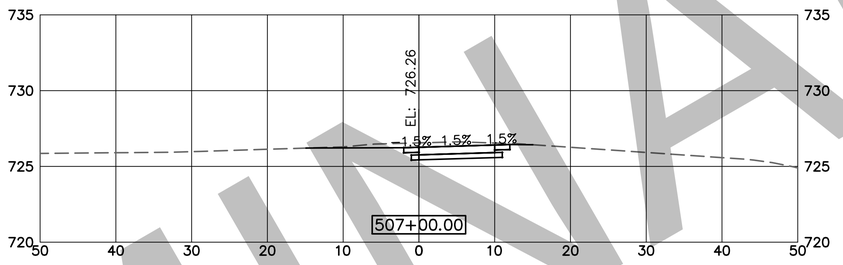
SCALE: 1"=10' | SHEET NO. 6 OF 12 SHEETS | STA. xxx+xx TO STA. xxx+xx

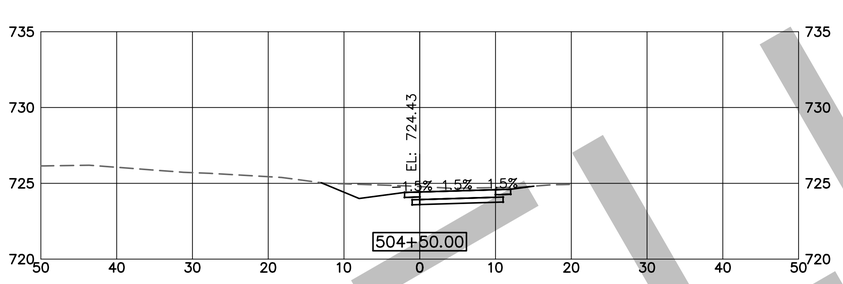
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	NO.
7131	20-00631-00-BT	CHAMPAIGN	35	29
		CONTRACT NO.		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

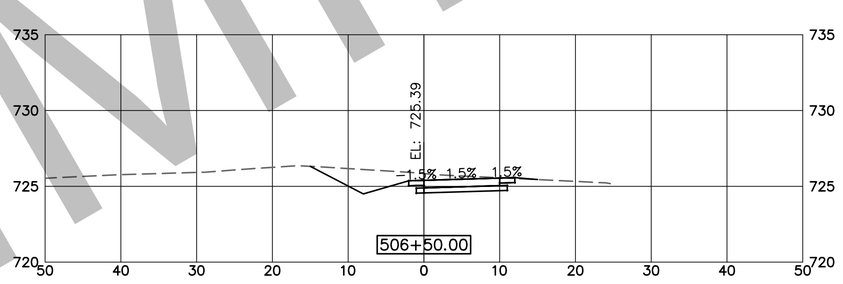


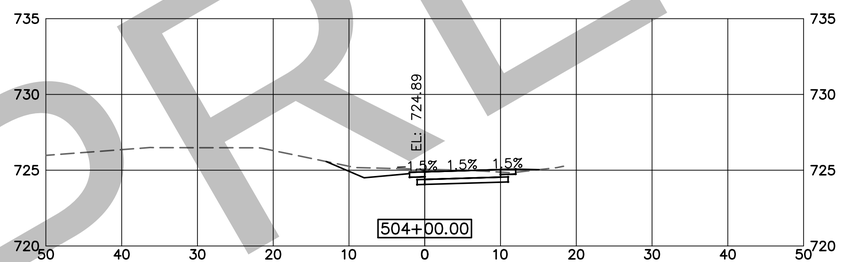


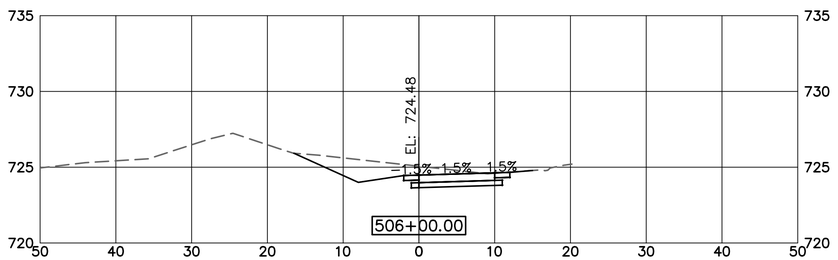


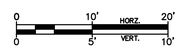












ENGINEERING RESOURCE ASSOCIATES

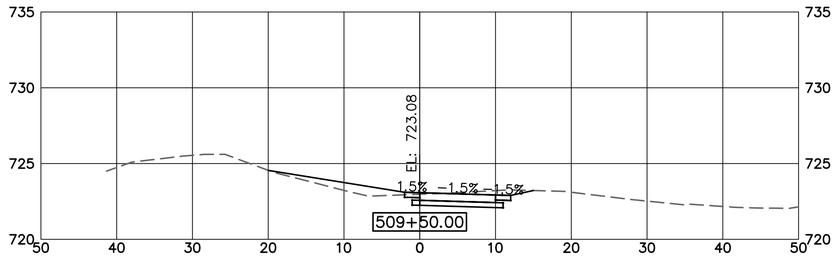
USER NAME = rbellot	DESIGNED — rcb	REVISED — ___
	DRAWN — rcb	REVISED — ___
PLOT SCALE = $SCALE$	CHECKED — JM	REVISED — ___
PLOT DATE = $DATE$	DATE — 11/18/2024	REVISED — ___

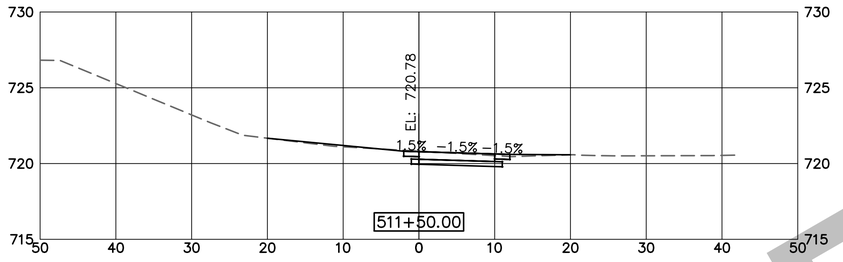
F.A.U. 7131 (WASHINGTON STREET) AND BAKERS LANE SHARED USE PATH CITY OF URBANA, ILLINOIS

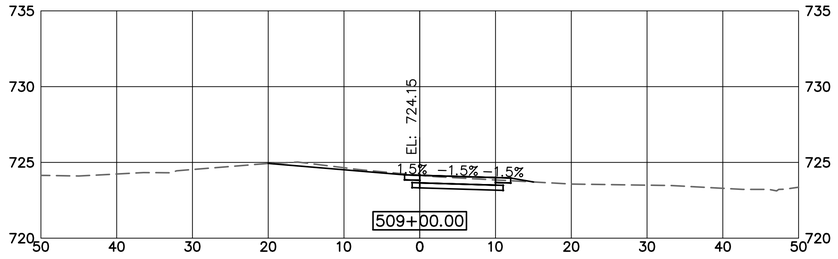
BAKERS LANE CROSS SECTIONS

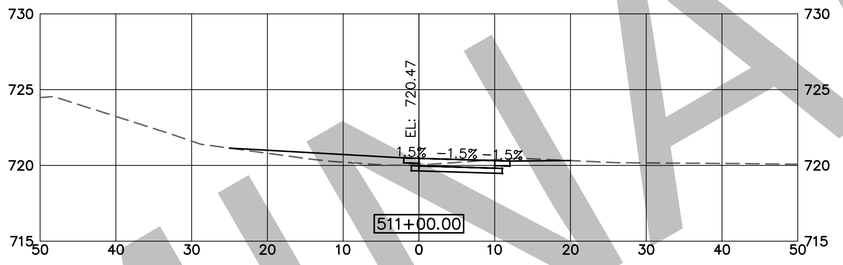
SCALE: 1"=10' | SHEET NO. 7 OF 12 SHEETS | STA. xxx+xx TO STA. xxx+xx

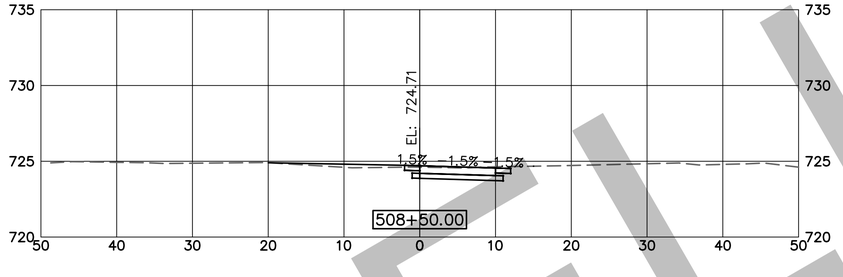
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	NO.
7131	20-00631-00-BT	CHAMPAIGN	35	30
		CONTRACT NO.		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

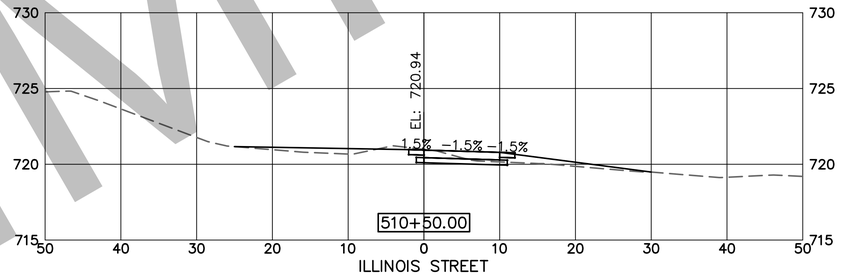


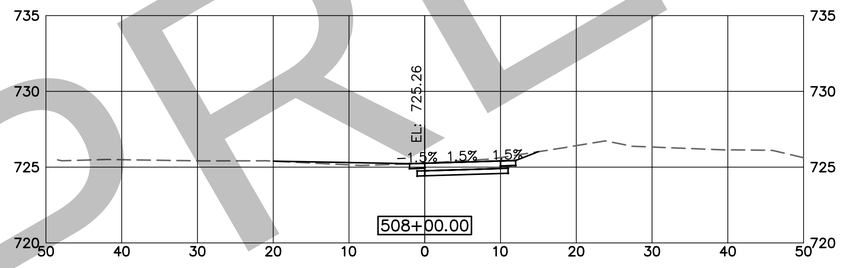


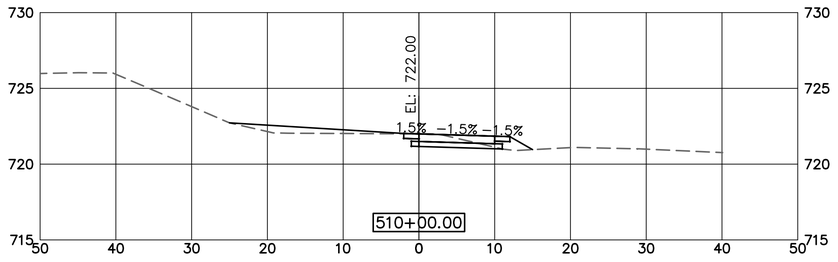


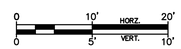












FILE NAME:H:\Urbana Public Works, City of\W24128.00 Bakers Lane Bike Path\CADD\CADD C3D\99 PARKS\02 Sheet\W24128.00 XSEC.dwg

ENGINEERING RESOURCE ASSOCIATES

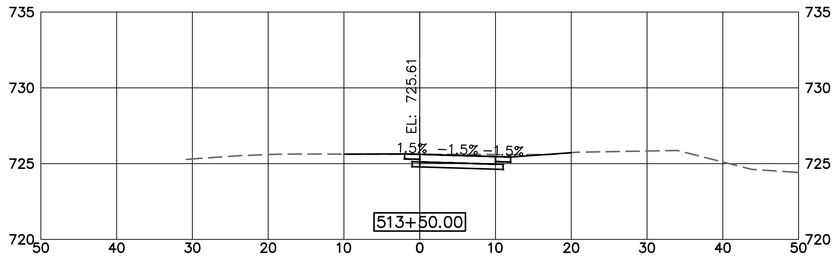
USER NAME = rbellot	DESIGNED — rcb	REVISED — ___
	DRAWN — rcb	REVISED — ___
PLOT SCALE = $SCALE$	CHECKED — JM	REVISED — ___
PLOT DATE = $DATE$	DATE — 11/18/2024	REVISED — ___

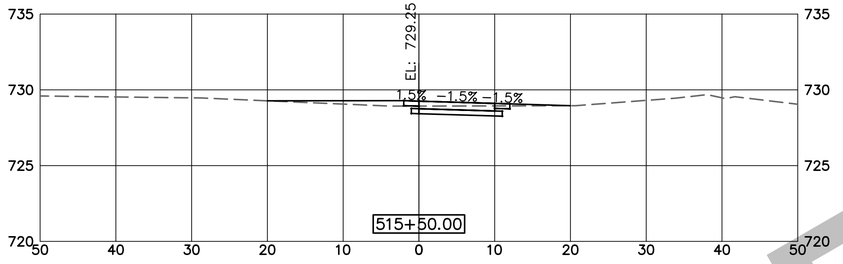
F.A.U. 7131 (WASHINGTON STREET) AND BAKERS LANE SHARED USE PATH CITY OF URBANA, ILLINOIS

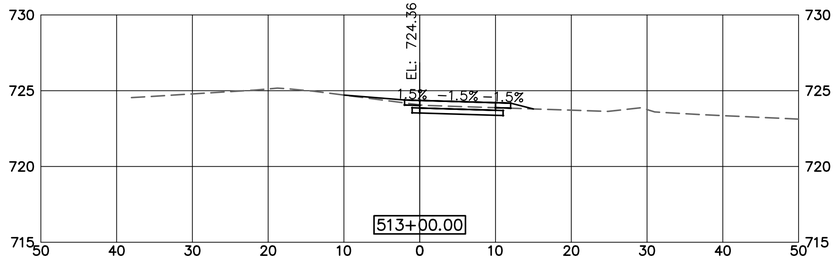
BAKERS LANE CROSS SECTIONS

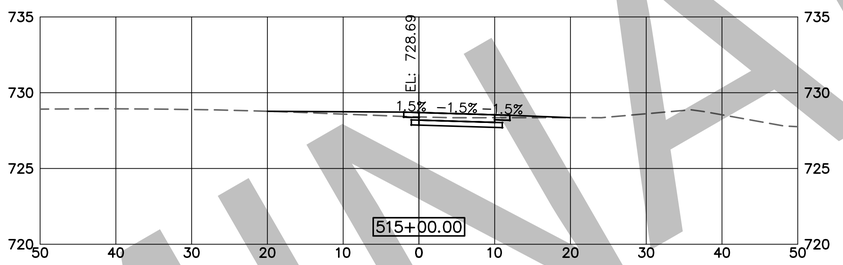
SCALE: 1"=10' | SHEET NO. 8 OF 12 SHEETS | STA. xxx+xx TO STA. xxx+xx

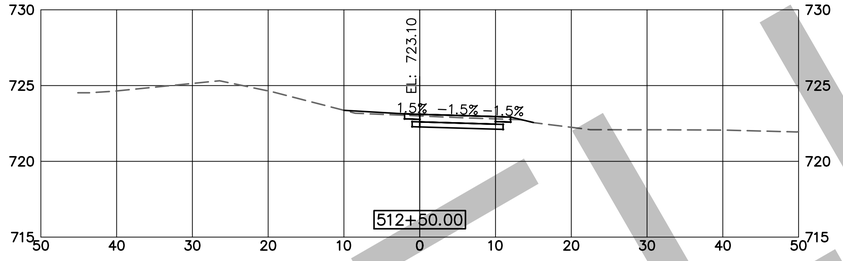
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	NO.
7131	20-00631-00-BT	CHAMPAIGN	35	31
		CONTRACT NO.		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

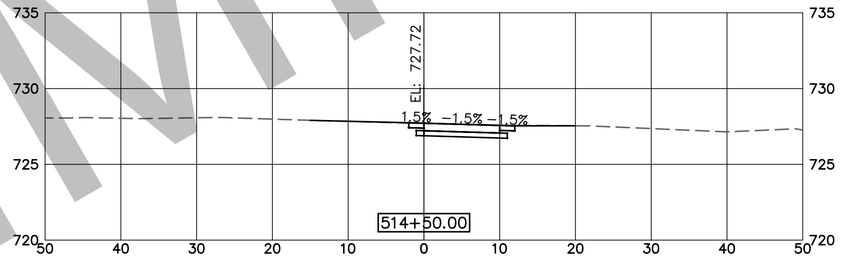


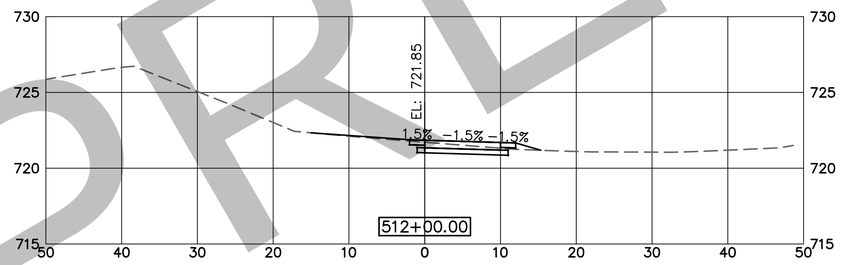


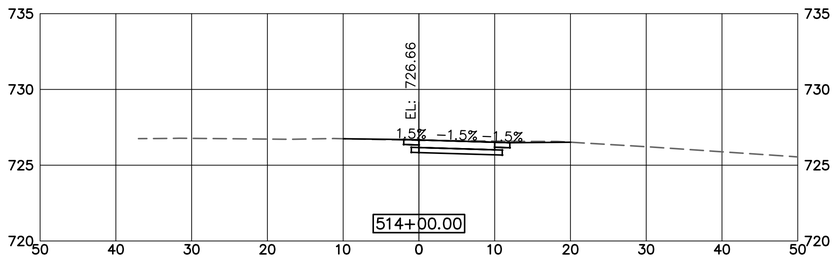


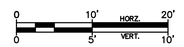












FILE NAME: H:\Urbana Public Works, City of\W24128.00 Bakers Lane Bike Path\CADD\CADD C3D\99 PARKS\02 Sheet\W24128.00 XSEC.dwg

ENGINEERING RESOURCE ASSOCIATES

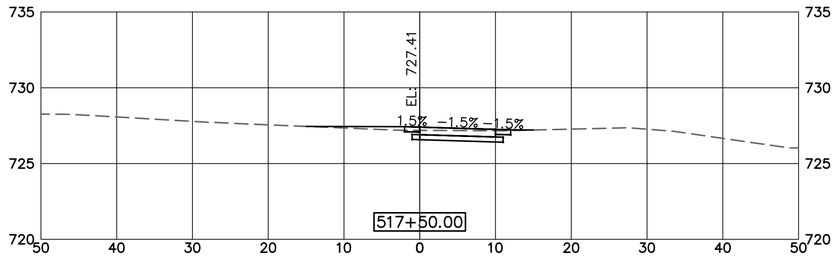
USER NAME = rbellot	DESIGNED — rcb	REVISED — ___
	DRAWN — rcb	REVISED — ___
PLOT SCALE = $SCALE$	CHECKED — JM	REVISED — ___
PLOT DATE = $DATE$	DATE — 11/18/2024	REVISED — ___

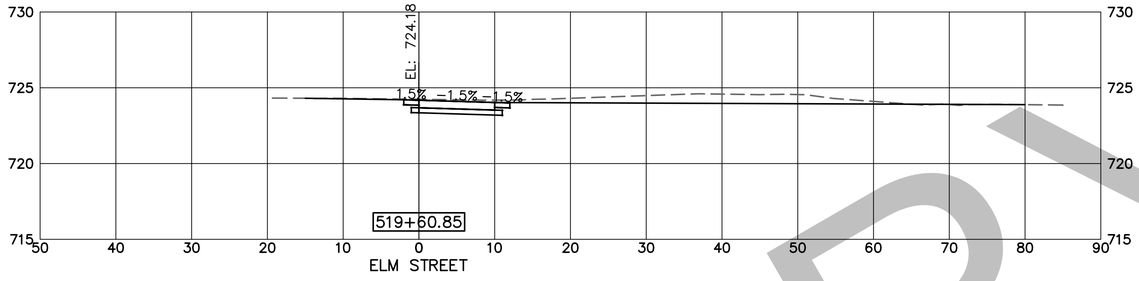
F.A.U. 7131 (WASHINGTON STREET) AND BAKERS LANE SHARED USE PATH CITY OF URBANA, ILLINOIS

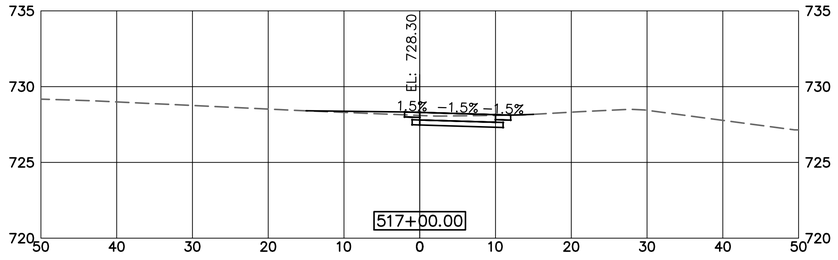
BAKERS LANE CROSS SECTIONS

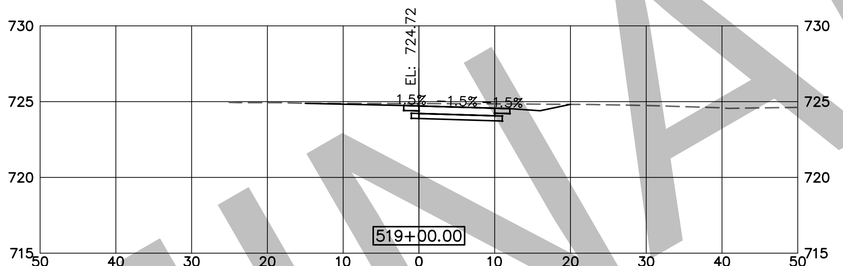
SCALE: 1"=10' | SHEET NO. 9 OF 12 SHEETS | STA. xxx+xx TO STA. xxx+xx

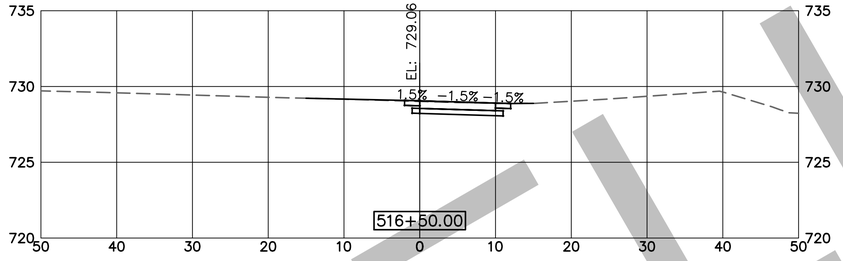
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	NO.
7131	20-00631-00-BT	CHAMPAIGN	35	32
		CONTRACT NO.		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

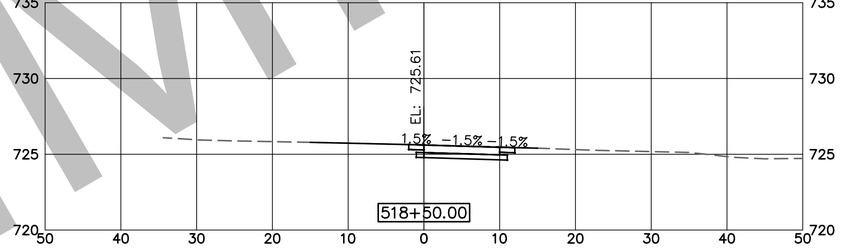


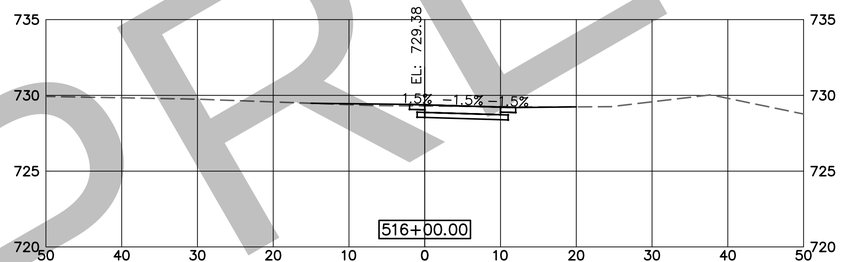


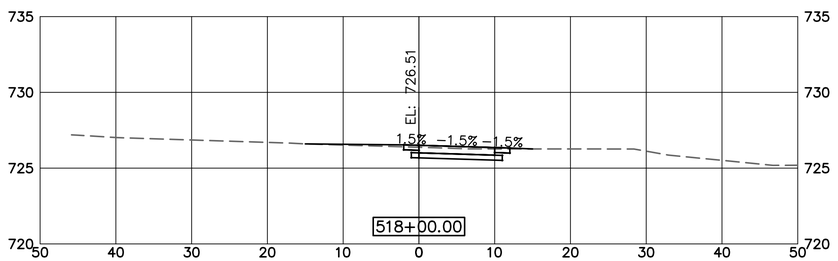


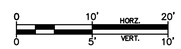












FILE NAME:H:\Urbana Public Works, City of\W24128.00 Bakers Lane Bike Path\CADD\CADD C3D\99 PARKS\02 Sheet\W24128.00 XSEC.dwg

ENGINEERING RESOURCE ASSOCIATES

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	DRAWN – rcb	REVISED – ___
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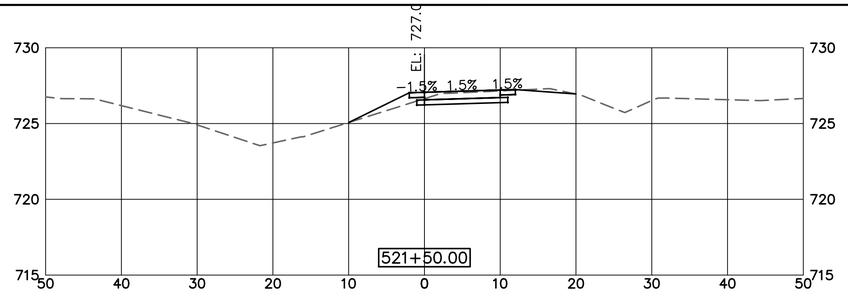
PLOT DATE = $DATE$	DATE – 11/18/2024	REVISED – ___

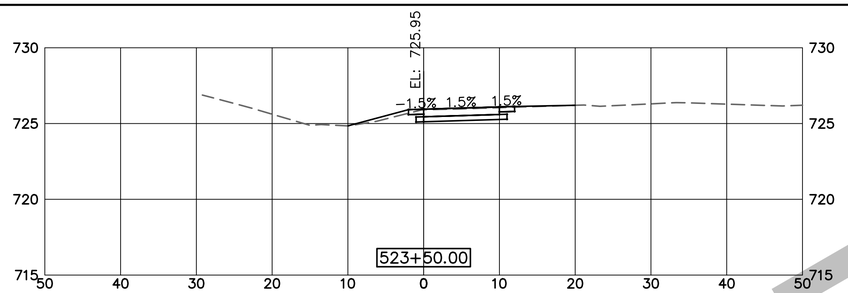
F.A.U. 7131 (WASHINGTON STREET) AND BAKERS LANE SHARED USE PATH CITY OF URBANA, ILLINOIS

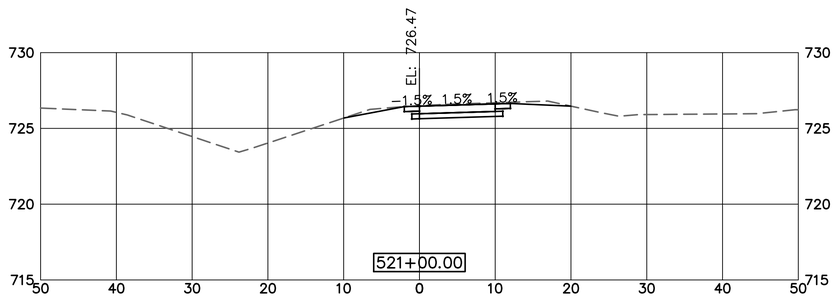
BAKERS LANE CROSS SECTIONS

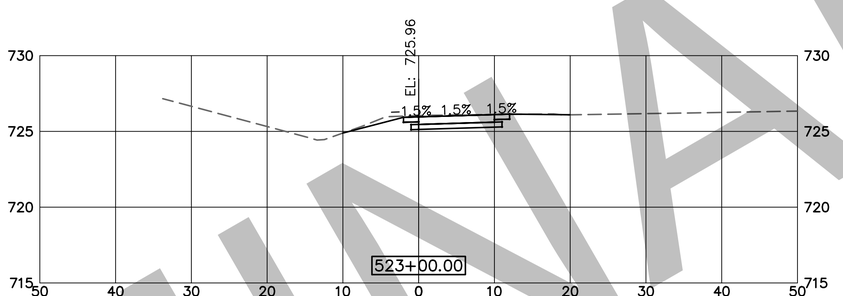
SCALE: 1"=10' | SHEET NO. 10 OF 12 SHEETS | STA. xxx+xx TO STA. xxx+xx

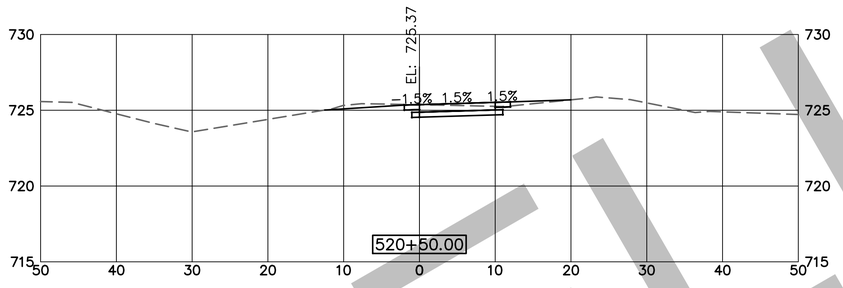
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	NO.
7131	20-00631-00-BT	CHAMPAIGN	35	33
		CONTRACT NO.		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

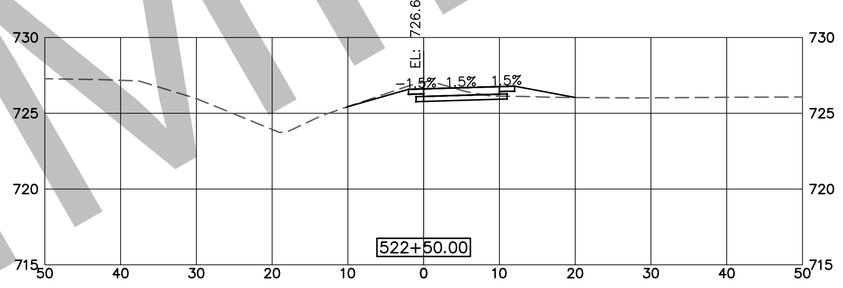


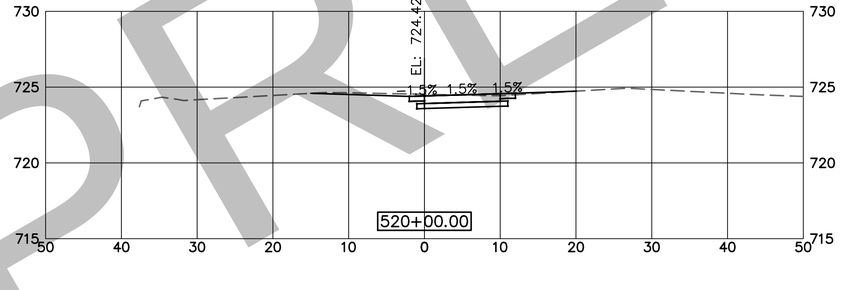


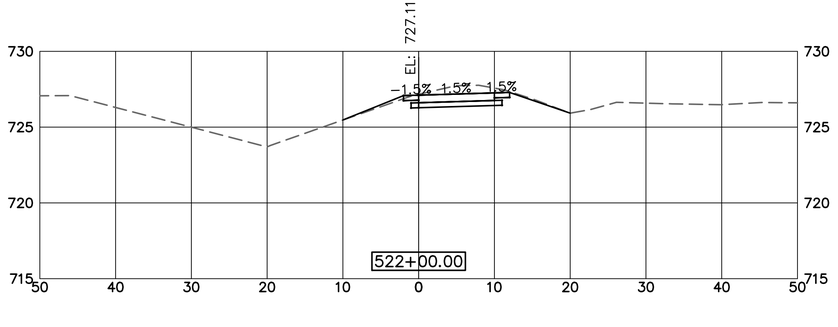


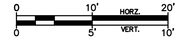












FILE NAME:H:\Urbana Public Works, City of\W24128.00 Bikers Lane Bike Path\CADD\CADD C3D\99 PARKS\02 Sheet\W24128.00 XSEC.dwg

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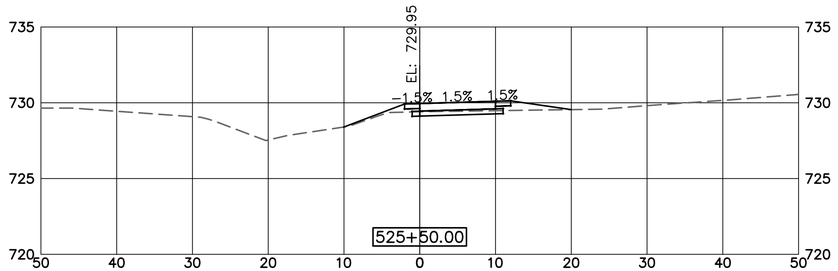
PLOT DATE = $DATE$	DATE — 11/18/2024	REVISED — ___

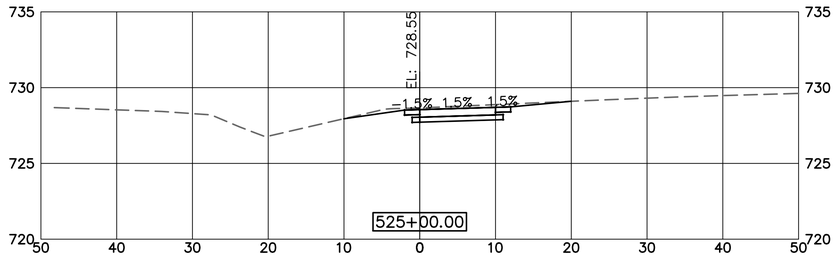
F.A.U. 7131 (WASHINGTON STREET) AND BAKERS LANE SHARED USE PATH CITY OF URBANA, ILLINOIS

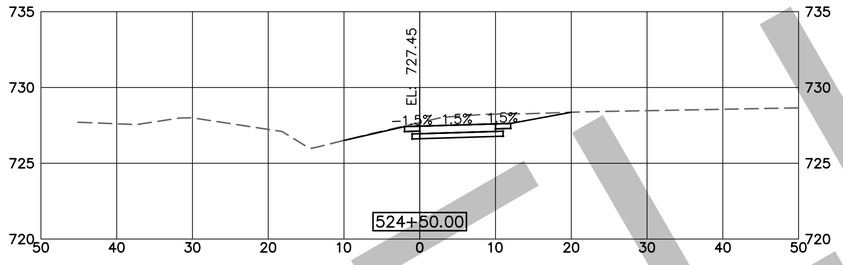
CITY OF URBANA
F.A.U. 7131 (WASHINGTON ST.) AND BAKERS LANE SHARED USE PATH
CROSS SECTIONS

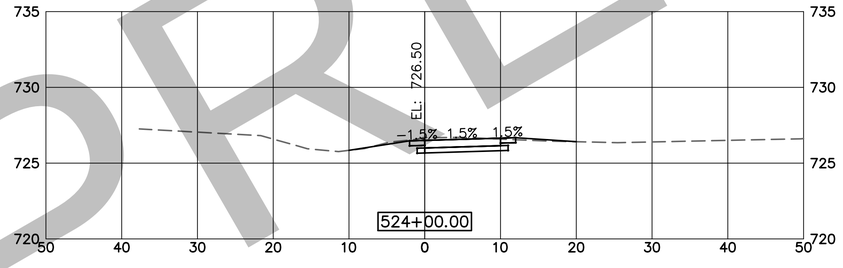
SCALE: 1"=10' | SHEET NO. 11 OF 12 SHEETS | STA. xxx+xx TO STA. xxx+xx

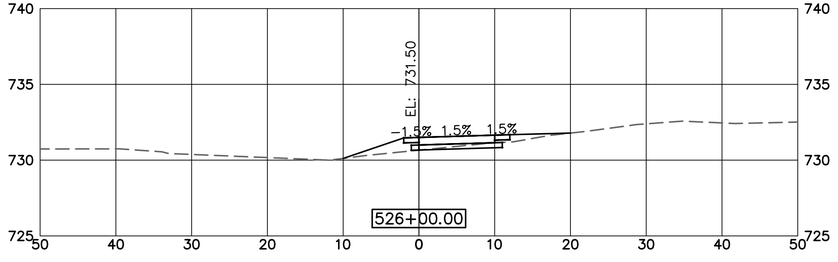
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	NO.
7131	20-00631-00-BT	CHAMPAIGN	35	34
		CONTRACT NO.		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

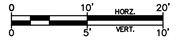












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	DRAWN — rcb	REVISED — ___
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PLOT DATE = $DATE$	DATE — 11/18/2024	REVISED — ___

**F.A.U. 7131 (WASHINGTON STREET)
AND BAKERS LANE SHARED USE PATH
CITY OF URBANA, ILLINOIS**

**CITY OF URBANA
F.A.U. 7131 (WASHINGTON ST.) AND BAKERS LANE SHARED USE PATH
CROSS SECTIONS**

SCALE: 1"=10' | SHEET NO. 12 OF 12 SHEETS | STA. xxx+xx TO STA. xxx+xx

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	NO.
7131	20-00631-00-BT	CHAMPAIGN	35	35
		CONTRACT NO.		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

Guideline for EQL Program Development

The following procedure is intended as a guideline for developing an Equity and Quality of Life (EQL) program.

1. Identify types of infrastructure to improve.
    a. Based on the most recent Community Needs Survey. Initially distribute the program budget to infrastructure types proportionately based on the relative numbers of votes each type received.
    b. Limit the number of infrastructure types in the program to ensure each type has a minimum budget of $200,000, and limit the program to no more than four infrastructure types.
2. Select one or more improvement projects for each infrastructure type.
    a. Select priority improvements from master plans or asset management plans, as applicable.
    b. Improvement projects must be within an area of the City with either low to moderate income (Community Development Target Area, CDTA) or high crime rate statistics, or both.
    c. Estimate the cost for each project, and adjust the selection of projects or the project scopes as needed to fit within the program budget.
3. Present program.
    a. Approval from City Administrator.
    b. Inform property owners and residents who are adjacent to the proposed improvements about the program with direct mailing. Invite them to contact the City with questions or concerns, and invite them to attend a Bicycle and Pedestrian Advisory Commission (BPAC) meeting where the program will be discussed.
    c. Support from BPAC.
    d. Approval from City Council with a Resolution.
4. Implement the approved program.

Timeline for EQL FY25 Program

- 12/09/24 City Administrator approval of EQL FY25 program.
- 12/11/24 Mail notifications to adjacent property owners and residents.
- 12/17/24 BPAC meeting.
- 02/03/25 Present EQL FY25 program and resolution of approval to City Council.
- 02/10/25 City Council resolution of approval
- 02/11/25 Proceed with implementation

EQL FY25 Program Plan

1. **Pedestrian Facilities.** $550,000 budget. In the Community Needs Survey, 55% of respondents identified pedestrian facilities as a needed improvement.
    a. Harding Drive (Vawter to Philo). Construct new sidewalk on both sides of Harding Drive from west of Vawter Street to Philo Road. Includes new sidewalk on west side of Vawter Street, extending south from Harding Drive.
        i. Pedestrian Master Plan, Sidewalk Gaps 17 and 18. Priority Score 64 and 66, respectively.
        ii. (700' + 540' + 130') x 5.5' x $40/SF = $305,000 construction cost.
        iii. (700' + 540' + 130') x 5.5' x $6.50/SF x 0.5 = $25,000 engineering fee.
    b. Cottage Grove at Brighton and Silver. Construct new sidewalk curb ramps with sidewalk extensions for traffic calming.
        i. Pedestrian Master Plan, Curb Ramp Projects 17 and 18. Priority Score 73 and 69, respectively.
        ii. (80' x 4 + 15' x 3 + 80' x 4) x 5.5' x $40/SF = $155,000 construction cost.
        iii. (80' x 4 + 15' x 3 + 80' x 4) x 5.5' x $6.50/SF x 0.5 = $15,000 engineering fee.
    c. Include $50,000 (10%) contingency.

2. **Street Lights.** $375,000 budget. In the Community Needs Survey, 49% of respondents identified street lights as a needed improvement.
    a. Harding Drive, Brighton Drive, Vawter Street, Mitchem Drive, and Silver Street (Cottage Grove to Philo). Construct new street lights to supplement the existing street lights.
        i. Area with highest density of crime which could be mitigated by presence of street lights, based on July 2023 to July 2024 crime statistics.
        ii. (4 + 3 + 3 + 3 + 4) x $17,500 = $300,000 construction cost.
        iii. (4 + 3 + 3 + 3 + 4) x $1,000 = $20,000 engineering cost.
    b. Include $52,000 (17%) contingency.

3. **Traffic Calming.** $75,000 budget. In the Community Needs Survey, 41% of respondents identified traffic calming as a needed improvement.
    a. Install tubular markers to channelize traffic at select, unprotected crosswalk locations. Goals are to discourage speeding, improve lane discipline, and provide a safer crosswalk.
    b. Concepts will be tested with temporary demonstrations before permanent features are installed.
    c. The following locations are candidates because they had statistically-significant speeding above the posted speed limit, during speed studies completed as part of the FY22 EQL Program.
        i. Broadway (Park to Country Club).
        ii. Kerr Avenue (Broadway to Cunningham).
        iii. Cottage Grove (Washington to Pennsylvania).

Notes:

For new sidewalk construction, use $40 per square foot for total construction cost, based on EQL FY22 sidewalk project bids. Add $6.50 per square foot for engineering design fee, based on EQL FY22 sidewalk engineering fees. Apply a 50% reduction in engineering fees since these locations were brought to 50% plans previously.

For new street light construction, use $17,500 per light for total construction cost, based on EQL FY22 street light project bids for 30' tall poles. Add $1,000 per light for engineering design fee, based on EQL FY22 street light engineering fees.