ROUTE 1W REBUILD

CONTACTS

CAPITAL ELECTRIC SUPERVISOR: KRAIG SPITLER
(937) 424-2550

TREE CARE INC ARBORIST: DAVE MEURER
(937) 298-5780

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BRUMBAUGH SURVEYING: MATTHEW HEIS
(937) 698-3000

METHOD OF INSTALLATION & MAINTENANCE OF TRAFFIC (MOT)

1. MAINTENANCE OF TRAFFIC (MOT) MANAGEMENT PLAN TO BE DEVELOPED IN COMPLIANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD) GUIDEBOOK, LATEST EDITION.

2. CONTRACTOR SHALL CONSIDER REQUIRED EQUIPMENT FOR EACH INSTALLATION TASK PRIOR TO DEVELOPMENT OF THE MOT MANAGEMENT PLAN.

3. PROPERTY OWNERS SHALL BE NOTIFIED FIVE (5) DAYS PRIOR TO ANY WORK AT OR WITHIN THEIR RIGHT-OF-WAY (ROW) LIMITS. THIS INCLUDES BUT IS NOT LIMITED TO RETAINING WALLS, FENCES, TREES, SHRUBBERY, ETC.

GENERAL NOTES

1. CONTRACTOR IS REQUIRED TO FOLLOW THE LISTED SITE SPECIFIC INSTALLATION INSTRUCTIONS TO PREVENT OVERLOADING OF THE NEW OR EXISTING POLES.
   a. ALL TEMPORARY CONSTRUCTION FEEDER TERMINATIONS SHALL BE INSTALLED AND COMPLETED PRIOR TO ANY OTHER SUPPORT BEING INSTALLED ON THE POLES SUCH AS CROSS SPANS, HEAD SPANS, CANTILEVERS, ETC.
   b. FOR P6 POLES WITH TEMPORARY FEEDER TERMINATIONS, INITIALLY INSTALL ALL TEMPORARY CONSTRUCTION FEEDER TERMINATIONS WITH A MAXIMUM TENSION OF 1600 LBF. HEADGUYS SHALL ALSO BE INSTALLED FOR THE TEMPORARY CONSTRUCTION FEEDER TERMINATIONS. AFTER ALL TEMPORARY CONSTRUCTION FEEDER TERMINATIONS ARE INSTALLED, INCREASE TENSION IN FEEDER CABLES BY 250 LBF. INCREAMENTS ON ALTERNATING SIDES OF THE POLE UNTIL THE FINAL INSTALLATION TENSIONS ARE ACHIEVED.

2. TRAFFIC SIGNAL DESIGN BY OTHERS. COORDINATE REMOVAL AND REINSTALLATION OF TRAFFIC CONDUCTORS, SIGNAL HEADS, PEDESTRIAN CROSSING INDICATORS AND ANCILLARIES WITH THE CITY OF DAYTON AND GDRTA.

3. STREET LIGHTING DESIGN BY OTHERS. COORDINATE REMOVAL AND REINSTALLATION OF LUMINERES AND ANCILLARIES WITH THE CITY OF DAYTON AND GDRTA.

4. WHERE NEW LOADS ARE ADDED TO EXISTING STRUCTURES, THE LOAD IS PROVIDED IN POUNDS-FORCE WHERE APPLICABLE. CONFIRMATION OF EXISTING STRUCTURES IS BY OTHERS.

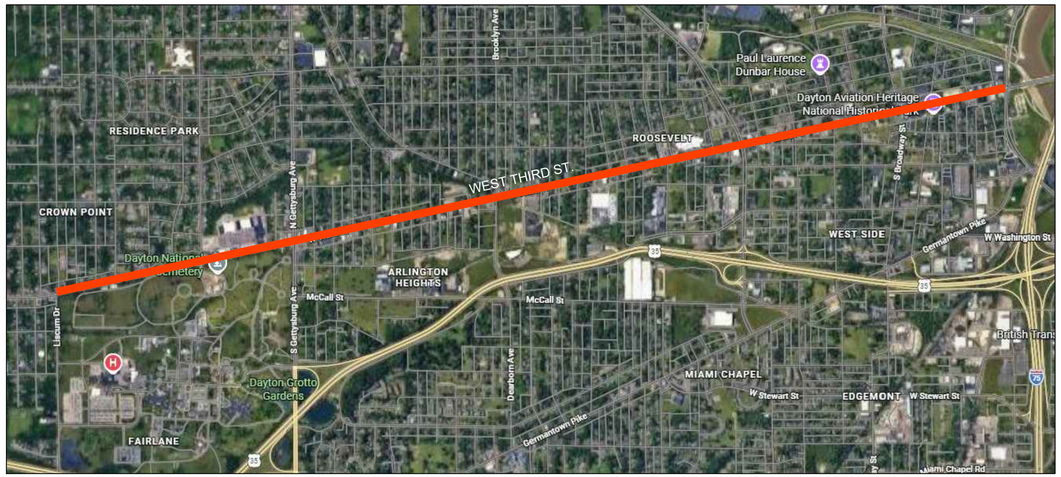
5. ASSEMBLY COMPOSITION AND CONTENT OF ET DRAWINGS BY GDRTA. CONTRACTOR SHALL COORDINATE FINAL SITE-SPECIFIC ASSEMBLY AND COMPONENT COMPOSITION WITH GDRTA.

6. WHERE POLE BANDS ARE EXPECTED TO SIGNIFICANTLY EXCEED THE POLE DIAMETER AT INSTALLATION HEIGHT, LONGER EXTENSION (EXT) BOLTS SHOULD BE EMPLOYED TO ACCOMMODATE.

7. SALVAGE MATERIAL SHALL BE DELIVERED TO GDRTA.

8. CENTER-OF-FOUNDATION COORDINATES PROVIDED TO APPROXIMATE POLE LOCATION. FINAL INSTALL LOCATION SHALL BE APPROVED BY THE CITY OF DAYTON AND GDRTA.

9. NEW GDRTA INFRASTRUCTURE IS SHOWN AS BOLD. EXISTING GDRTA INFRASTRUCTURE IS SHOWN AS FADED AND IS TO BE REMOVED, UNLESS NOTED OTHERWISE . ALL OTHER THIRD PARTY INFRASTRUCTURE IS SHOWN AS FADED AND IS TO REMAIN, UNLESS NOTED OTHERWISE.



VICINITY MAP

NOT TO SCALE

LEGEND

NOTE 9

- NEW - FURNISH AND INSTALL
- NEW POLE - FURNISH & INSTALL
- EXISTING POLE
- NEW FEEDER JUMPER - FURNISH AND INSTALL
- NEW CANTIELVER - FURNISH AND INSTALL

CAPITAL NUMBER

1-00-0-17111-000

WORK ORDER NUMBER

CE: 750-2026-346

PROJECT SUMMARY

- PROJECT EXTENTS ARE ALONG THIRD STREET FROM LISCUM DRIVE TO EDWIN C MOSES BLVD.
- INFRASTRUCTURE WEST OF LISCUM DRIVE IS PROVIDED BY OTHERS UNDER THE PHASE 2 CONTRACT.
- INFRASTRUCTURE EAST OF EDWIN C MOSES IS EXISTING, TO REMAIN.
- INSTALL NEW TERMINATION STRUCTURES AS SHOWN ON DRAWINGS.
- DEMO EXISTING TROLLEY WIRE, FEEDER WIRE, SUPPORT ASSEMBLIES, AND STRUCTURES UNLESS NOTED OTHERWISE ON DRAWINGS.
- INSTALL NEW SUPPORT STRUCTURES, ASSEMBLIES, 1000 KCMIL FEEDER CABLES AND 2/0 BRONZE TROLLEY, WHERE INDICATED ON DRAWINGS.
- ALL POWER SCHEME CHANGES INCLUDING POWER UP/DOWN SHALL BE COORDINATED WITH RTA PRIOR TO IMPLEMENTATION.
- GDRTA HAS BEEN ADVISED THAT THE CITY OF DAYTON IS PLANNING STREET IMPROVEMENT PROJECTS, INCLUDING BIKE LANE ADDITIONS, BETWEEN:
  - LISCUM AND GETTYSBURG
  - BROOKLYNN/ABBY AVE AND JAMES H. McGEE
  - PRIOR TO SETTING POLES AND STRINGING WIRE IN THESE AREAS, COORDINATE WITH GDRTA TO CONFIRM POLE AND TROLLEY WIRE OFFSETS FROM FACE OF CURB AND FACE OF POLE, WHILE CONSIDERING THE CURRENT PROPOSED BIKE LANE ADDITIONS.
- THE FOLLOWING BUS STOPS (NOT SHOWN IN THIS DRAWING SET) REQUIRE TROLLEY CATCHES TO BE INSTALLED. WHEN R1W IS DEMOLISHED AND THE NEW SYSTEM IS BEING INSTALLED, BUSES DIVERGING FROM R1W (TROLLEY POLES DOWN) CAN RAISE THE TROLLEY POLES AT THE NOTED BUS STOPS:
  - BUS STOP ID 1540 = GETTYSBURG AVE. AND MCALL
  - BUS STOP ID 475 = JAMES H MCGEE AND W. FIRST
  - BUS STOP ID 95 = W. THIRD ST AND BANK ST (OLD ROAD)

PROGRESS MEETINGS

RTA MEETINGS TO BE SCHEDULED AS NECESSARY. PROVIDE FIVE (5) DAYS NOTICE.

REVISIONS

A CHANGE ORDER REQUEST (COR) IS REQUIRED FOR ALL CHANGES IN SCOPE, SCHEDULE, COST, OR FUNCTION.

CLARIFICATION

A REQUEST FOR INFORMATION (RFI) IS REQUIRED FOR ELABORATION OF SCOPE, SCHEDULE, COST, OR FUNCTION.

FIELD ADJUSTMENTS

MINOR ADJUSTMENTS (2' OR LESS) TO ATTACHMENT HEIGHT, POLE LOCATION, OR WIRE SETOUT ARE ACCEPTABLE IF THEY DO NOT AFFECT THE OVERALL COST, PERFORMANCE, OR TIMELINE OF THE PROJECT. ADJUSTMENTS THAT DO NOT SATISFY THE ABOVE MUST BE APPROVED IN AN RFI OR COR.

ALL NEW INSTALLATIONS SHALL BE WITHIN 1' OF THE STATE RIGHT OF WAY LINE.

RIGHT OF WAY TO BE MARKED BY BRUMBAUGH SURVEY AT TIME OF POLE STAKING.

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IFC	WEB	9/9/26	

STATE OF OHIO
WAYNE BROWN
E-88204
REGISTERED PROFESSIONAL ENGINEER

DRAWN BY: WB/DG
DATE: 9/9/26
SCALE: AS NOTED

DWG TITLE: ROUTE 1W REBUILD COVER SHEET

SHEET # GEN–001

PREPARED BY: HATCH

Greater Dayton Regional Transit Authority
4 S. Main St. Dayton, Ohio 45402

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DRAWING NUMBER	CATEGORY	DRAWING TITLE
GEN-001	GENERAL	COVER SHEET
GEN-002	GENERAL	INDEX SHEET
GEN-003	GENERAL	CONDUCTOR PARTICULARS
GEN-004	GENERAL	ERECTION TENSIONS
PLN-000	PLANS	DEMO AND INSTALL PLAN
PLN-001	PLANS	DEMO AND INSTALL PLAN
PLN-002	PLANS	DEMO AND INSTALL PLAN
PLN-003	PLANS	DEMO AND INSTALL PLAN
PLN-004	PLANS	DEMO AND INSTALL PLAN
PLN-005	PLANS	DEMO AND INSTALL PLAN
PLN-006	PLANS	DEMO AND INSTALL PLAN
PLN-007	PLANS	DEMO AND INSTALL PLAN
PLN-008	PLANS	DEMO AND INSTALL PLAN
PLN-009	PLANS	DEMO AND INSTALL PLAN
PLN-010	PLANS	DEMO AND INSTALL PLAN
PLN-011	PLANS	DEMO AND INSTALL PLAN
PLN-012	PLANS	DEMO AND INSTALL PLAN
PLN-013	PLANS	DEMO AND INSTALL PLAN
PLN-014	PLANS	DEMO AND INSTALL PLAN
PLN-015	PLANS	DEMO AND INSTALL PLAN
PLN-016	PLANS	DEMO AND INSTALL PLAN
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PLN-025	PLANS	DEMO AND INSTALL PLAN
PLN-026	PLANS	DEMO AND INSTALL PLAN
PLN-027	PLANS	DEMO AND INSTALL PLAN
PLN-028	PLANS	DEMO AND INSTALL PLAN
PLN-029	PLANS	DEMO AND INSTALL PLAN
PLN-030	PLANS	DEMO AND INSTALL PLAN
PLN-031	PLANS	DEMO AND INSTALL PLAN
PLN-032	PLANS	DEMO AND INSTALL PLAN
ENLARGED DIVERGING INTERSECTION DRAWINGS		
PLN-106	SCALED PLANS	ELMHURST/WESTOWN HUB
PLN-109	SCALED PLANS	N GETTYSBURG
PLN-124	SCALED PLANS	JAMES H McGEE

DWG TITLE
ROUTE 1W REBUILD
INDEX SHEET

SHEET #
GEN-002

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TABLE 1 - OVERHEAD CONDUCTOR CHARACTERISTICS

CHARACTERISTIC	UNIT	ELECTRIC TROLLEY BUS FIXED-TERMINATED SINGLE WIRE	
		CONTACT WIRE	FEEDER WIRE
CONDUCTOR TYPE	-	2/0 AWG SOLID GROOVED	1000 KCMIL 2kV RHH/RHW-2
MATERIAL	-	BRONZE TROLLEY	CLASS B COPPER
DIAMETER	IN	0.392	1.427
CROSS SECTIONAL AREA	SQ IN	0.1083	0.7854
CONDUCTOR BREAKING STRENGTH	LBF	7473	8000
PERMISSIBLE WEAR	% OF AREA	30	N/A
CONDUCTOR BREAKING STRENGTH, WORN	LBF	5231	N/A
MODULUS OF ELASTICITY	PSI	17900000	17000000
COEFFICIENT OF THERMAL EXPANSION	/°F	0.0000093	0.0000094
WEIGHT OF CONDUCTOR	PLF	0.4176	3.4420
WEIGHT OF CONDUCTOR, WORN	PLF	0.2923	N/A
WEIGHT OF ICE	PCF	57	
SPAN LENGTH, MAXIMUM	FT	104 (NOTE 6)	
TENSION, NOMINAL	LBF	2200	1700
TENSION, MAXIMUM	LBF	3399	3328
EQUIVALENT SPAN FOR TENSION CALCULATIONS	FT	100	100
HIGH TEMPERATURE, AMBIENT	°F	120	
MEAN TEMPERATURE, AMBIENT	°F	60	
LOW TEMPERATURE, AMBIENT	°F	0	

CONDUCTOR TENSIONS

CHARACTERISTIC	UNIT	CONTACT WIRE	FEEDER WIRE
BARE, NOMINAL:	LBF	2200	1700
TEMPERATURE	°F	60	60
WIND	MPH	-	-
RADIAL ICE	IN	-	-
FACTOR OF SAFETY:	-	3.40	4.71
ICED, MAXIMUM SAG:	LBF	2775	2445
TEMPERATURE	°F	32	32
WIND	MPH	-	-
RADIAL ICE	IN	0.50	0.50
FACTOR OF SAFETY:	-	2.69	3.27
BARE, MAXIMUM SAG	LBF	1189	1479
TEMPERATURE	°F	120	120
WIND	MPH	-	-
RADIAL ICE	IN	-	-
FACTOR OF SAFETY:	-	6.29	5.41
AASHTO STRENGTH I:	LBF	3358	3328
TEMPERATURE	°F	0	0
WIND	MPH	-	-
RADIAL ICE	IN	0.50	0.50
FACTOR OF SAFETY:	-	2.23	2.40
AASHTO EXTREME I:	LBF	2471	3093
TEMPERATURE	°F	60	60
WIND	MPH	120	120
RADIAL ICE	IN	-	-
FACTOR OF SAFETY:	-	3.02	2.59
AASHTO SERVICE I:	LBF	3399	2835
TEMPERATURE	°F	0	0
WIND	MPH	76	76
RADIAL ICE	IN	0.25	0.25
FACTOR OF SAFETY:	-	2.20	2.82
NESC 250B FOR HEAVY LOADING ZONE:	LBF	3386	2910
TEMPERATURE	°F	0	0
WIND	MPH	40	40
RADIAL ICE	IN	0.50	0.50
FACTOR OF SAFETY:	-	2.21	2.75

NOTES:
1. DROOP IS THE SAG OF THE CONTACT WIRE FROM ITS NORMAL HEIGHT AT 60° F.
2. FACTOR OF SAFETY FOR CONTACT WIRE IS CALCULATED USING THE CONDUCTOR BREAKING STRENGTH REDUCED BY THE PERMISSIBLE WEAR PERCENTAGE.
3. MAXIMUM SPAN LENGTH IS DERIVED AS A 100 FT MAX SPAN WITH A 2 FT INSTALLATION TOLERANCE ON EACH END.
4. BRONZE TROLLEY CONDUCTOR PARTICULARS REFERENCE THE OHIO BRASS TROLLEY WIRE STRINGING CURVES PROVIDED BY THE AGENCY.
5. FEEDER WIRE BREAKING STRENGTH IS ASSUMED EQUAL TO THE MANUFACTURER'S MAXIMUM ALLOWABLE PULLING TENSION.
6. MAXIMUM SPAN LENGTH FOR NOMINAL TROLLEY WIRE HEIGHT OF 18'-6" = 104 FEET
   MAXIMUM SPAN LENGTH FOR TROLLEY WIRE HEIGHT OF 18'-9" = 130 FEET

CONDUCTOR SAG AT MAXIMUM SAG

CHARACTERISTIC	UNIT	CONTACT WIRE	FEEDER WIRE
BARE, NO WIND, NOMINAL TENSION	FT	0.26	2.74
ICED, NO WIND, MINIMUM ICED TENSION, MAXIMUM	FT	0.47	2.57
BARE, NO WIND, MINIMUM TENSION, MAXIMUM	FT	0.48	3.14
DROOP DUE TO ICE	FT	0.21	-0.17

DWG TITLE: ROUTE 1W REBUILD
CONDUCTOR PARTICULARS

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ERECTION TENSIONS - 2/0 BARE BRONZE CONTACT WIRE

	EQUIVALENT SPAN (FT)							
TEMPERATURE (°F)	**20**	**40**	**50**	**60**	**70**	**80**	**90**	**100**
0	3281	3279	3278	3276	3274	3272	3269	3266
10	3101	3099	3098	3096	3094	3092	3090	3087
20	2921	2919	2918	2917	2915	2913	2911	2909
30	2740	2739	2738	2737	2736	2734	2733	2731
40	2560	2559	2559	2558	2557	2556	2554	2553
50	2380	2380	2379	2379	2378	2378	2377	2376
60	2200	2200	2200	2200	2200	2200	2200	2200
70	2020	2021	2021	2022	2022	2023	2024	2025
80	1840	1841	1843	1844	1845	1847	1849	1851
90	1660	1663	1665	1667	1670	1673	1676	1680
100	1480	1484	1487	1491	1495	1500	1506	1511
110	1301	1307	1312	1317	1324	1331	1339	1347
120	1122	1131	1138	1146	1156	1166	1177	1189

NOTES:
1. EQUIVALENT SPAN IS DETERMINED BY THE FOLLOWING FORMULA:

$$\sqrt{\frac{L_1^3 + L_2^3 + L_3^3 + - - - L_n^3}{L_1 + L_2 + L_3 + - - - L_n}}$$

WHERE L1, L2, L3,…Ln ARE THE LENGTHS OF THE SPANS IN EACH TENSION LENGTH (ANCHOR TO ANCHOR).

2. FOR INTERMEDIATE EQUIVALENT SPANS BETWEEN THOSE INDICATED ON THE CHART, THE TENSION VALUES MAY BE INTERPOLATED ON A STRAIGHT LINE BASIS.

3. ERECTION TENSIONS ARE NOT PROVIDED FOR TEMPERATURE AND EQUIVALENT SPAN COMBINATIONS THAT EXCEED MAXIMUM CONDUCTOR TENSIONS.

ERECTION TENSIONS - 1000 KCMIL INSULATED COPPER FEEDER CABLE

	EQUIVALENT SPAN (FT)							
TEMPERATURE (°F)	**20**	**40**	**50**	**60**	**70**	**80**	**90**	**100**
0	-	-	-	3257	2651	2340	2163	2054
10	-	-	-	2797	2401	2188	2062	1980
20	-	-	2934	2453	2203	2060	1972	1914
30	-	2993	2468	2192	2041	1951	1893	1853
40	-	2397	2132	1990	1908	1856	1822	1798
50	2474	2380	1886	1830	1796	1773	1758	1747
60	1700	1700	1700	1700	1700	1700	1700	1700
70	1242	1498	1555	1592	1617	1635	1647	1657
80	987	1348	1440	1502	1545	1576	1599	1616
90	832	1232	1345	1424	1481	1523	1555	1579
100	729	1140	1266	1357	1424	1475	1513	1543
110	655	1065	1198	1298	1373	1431	1475	1510
120	599	1003	1140	1246	1327	1390	1440	1479

DWG TITLE: ROUTE 1W REBUILD ERECTION TENSIONS

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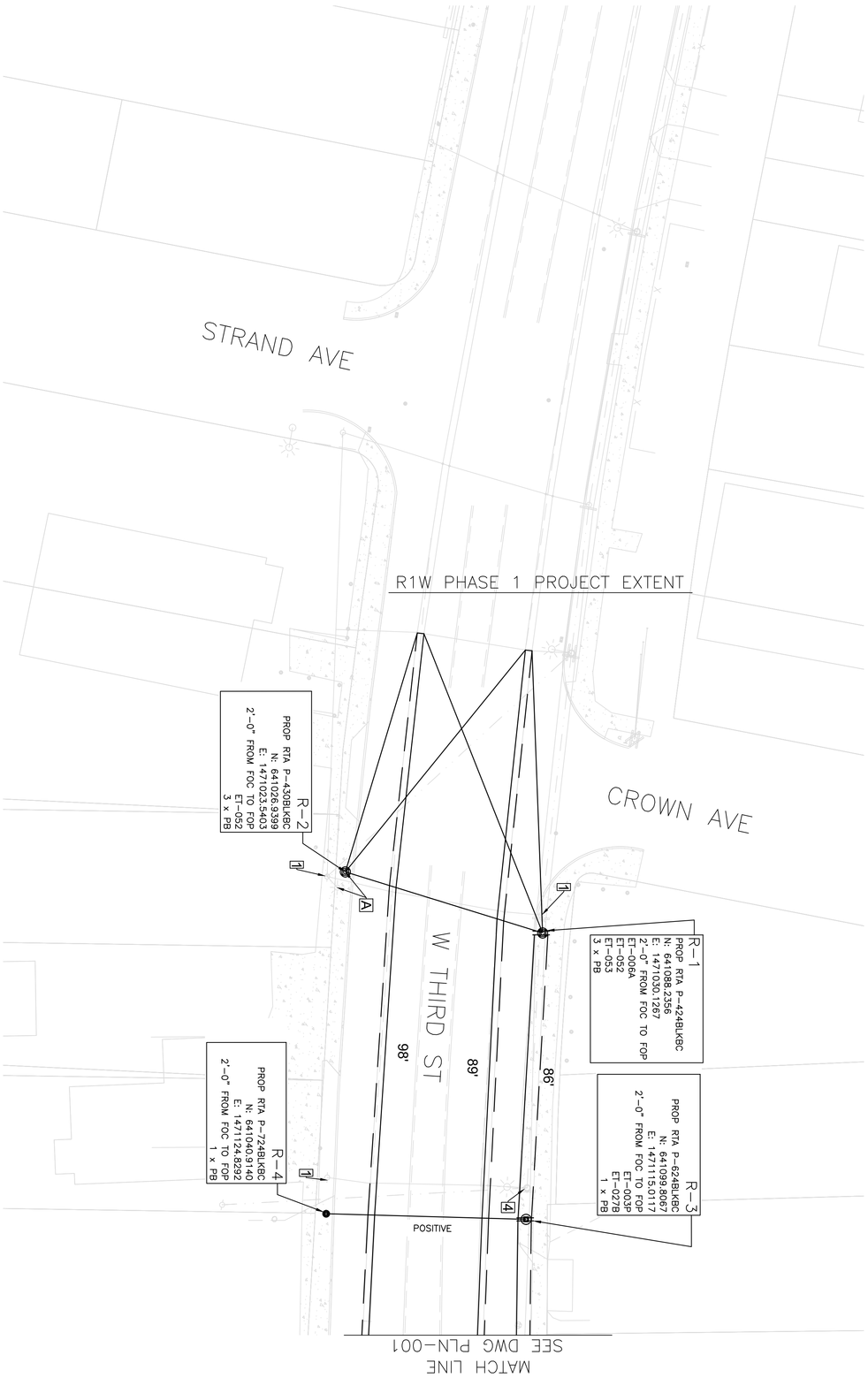
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1 EXISTING GDRTA POLE TO BE REMOVED
2 EXISTING GDRTA POLE TO REMAIN
3 EXISTING JOINT USE TRAFFIC SIGNAL POLE TO REMAIN
4 EXISTING JOINT USE POWER POLE TO REMAIN
5 EXISTING THIRD PARTY POLE TO BE REMOVED AND REPLACED WITH NEW JOINT USE RTA POLE
A RELOCATE EXISTING LIGHT FROM EXISTING POLE TO NEW POLE
B RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT FROM EXISTING POLE TO NEW POLE





KEY MAP

SCALE:1" = 20'
20' 10' 0' 20' 40'

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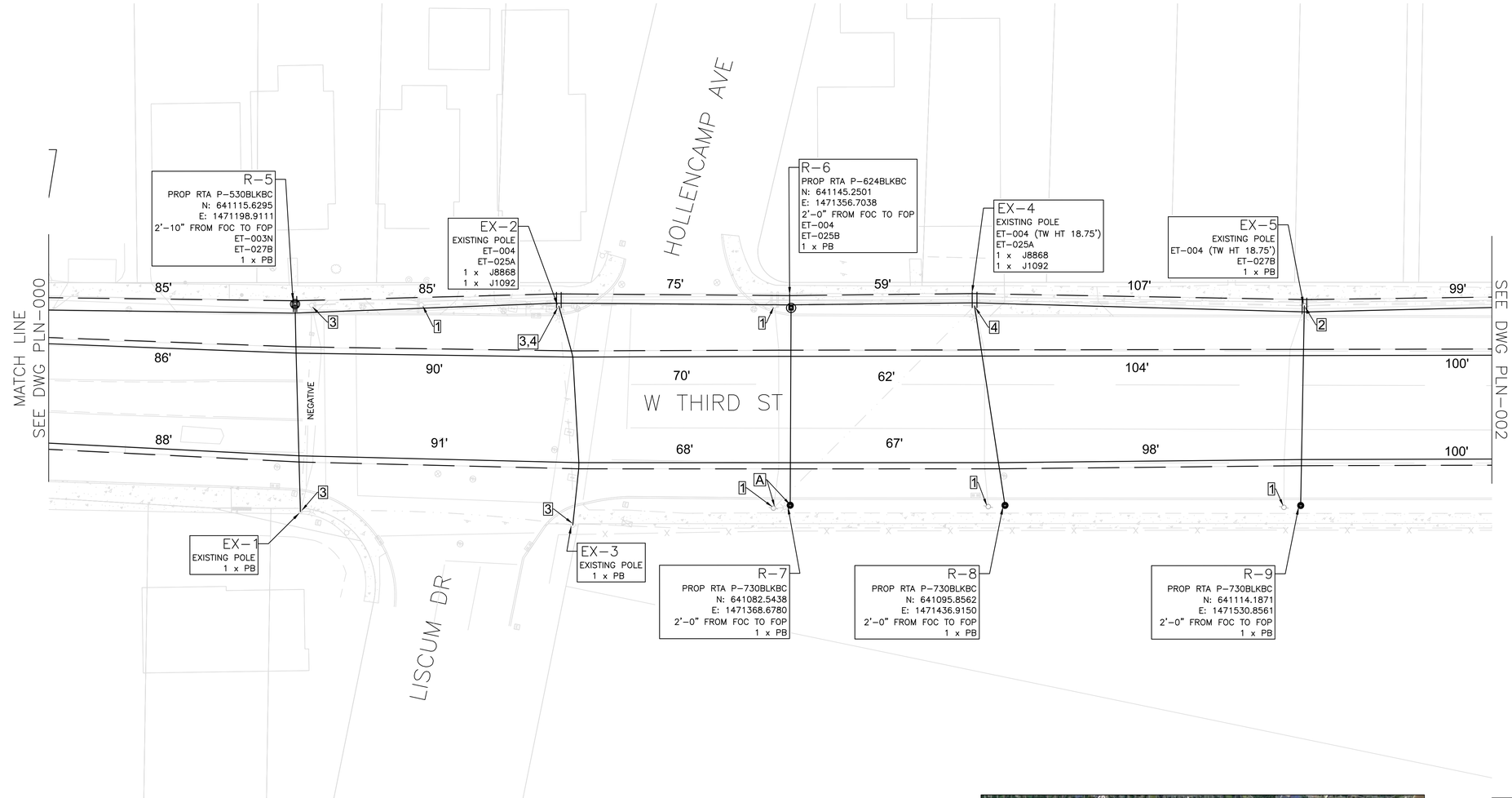
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SHEET # PLN-000

DWG TITLE
ROUTE 1W REBUILD
DEMO AND INSTALL PLANS



1 EXISTING GDRTA POLE TO BE REMOVED

2 EXISTING GDRTA POLE TO REMAIN

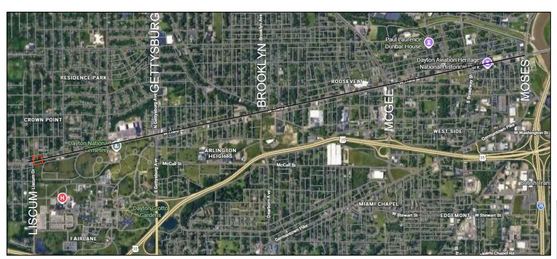
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A RELOCATE EXISTING LIGHT FROM EXISTING POLE TO NEW POLE

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KEY MAP

20' 10' 0' 20' 40'

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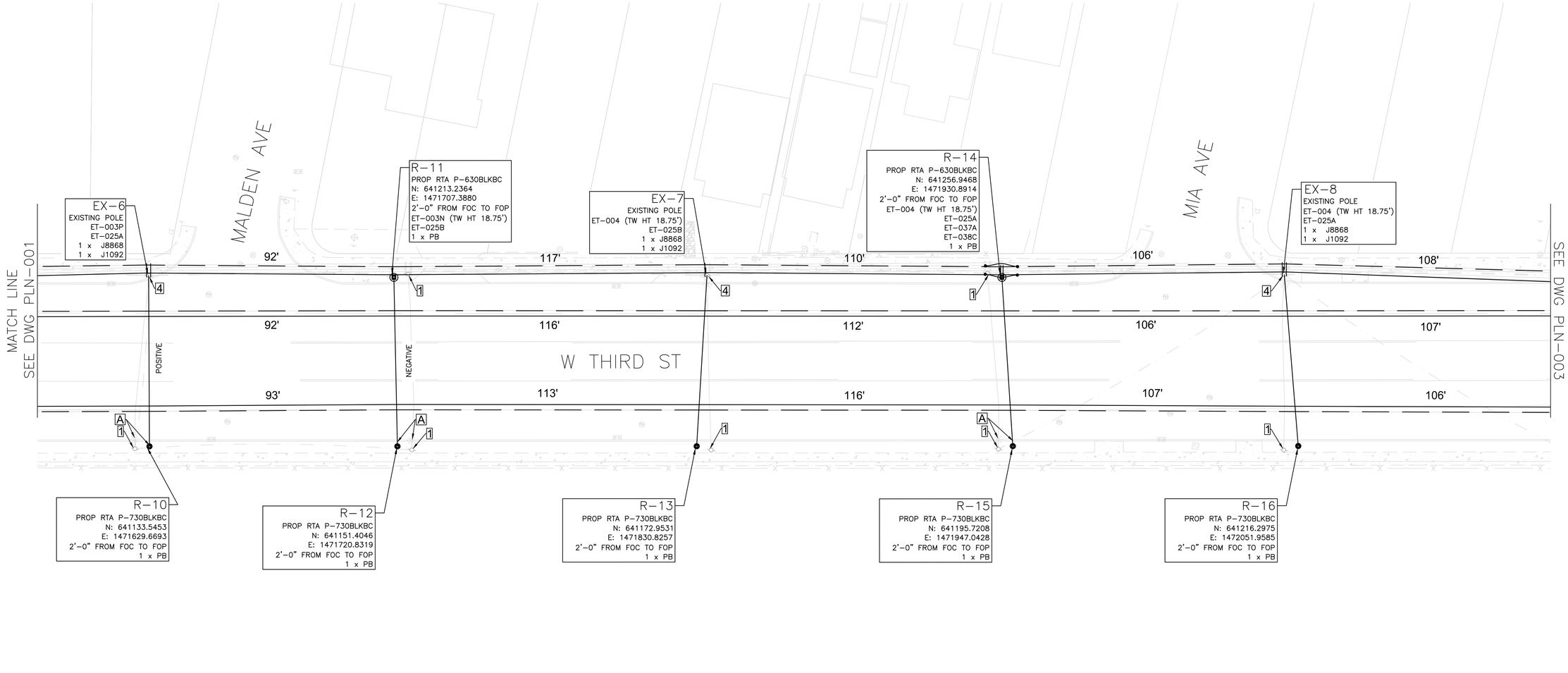
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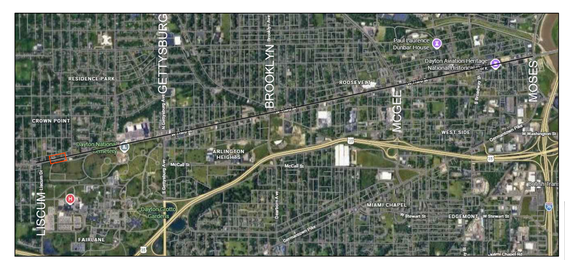
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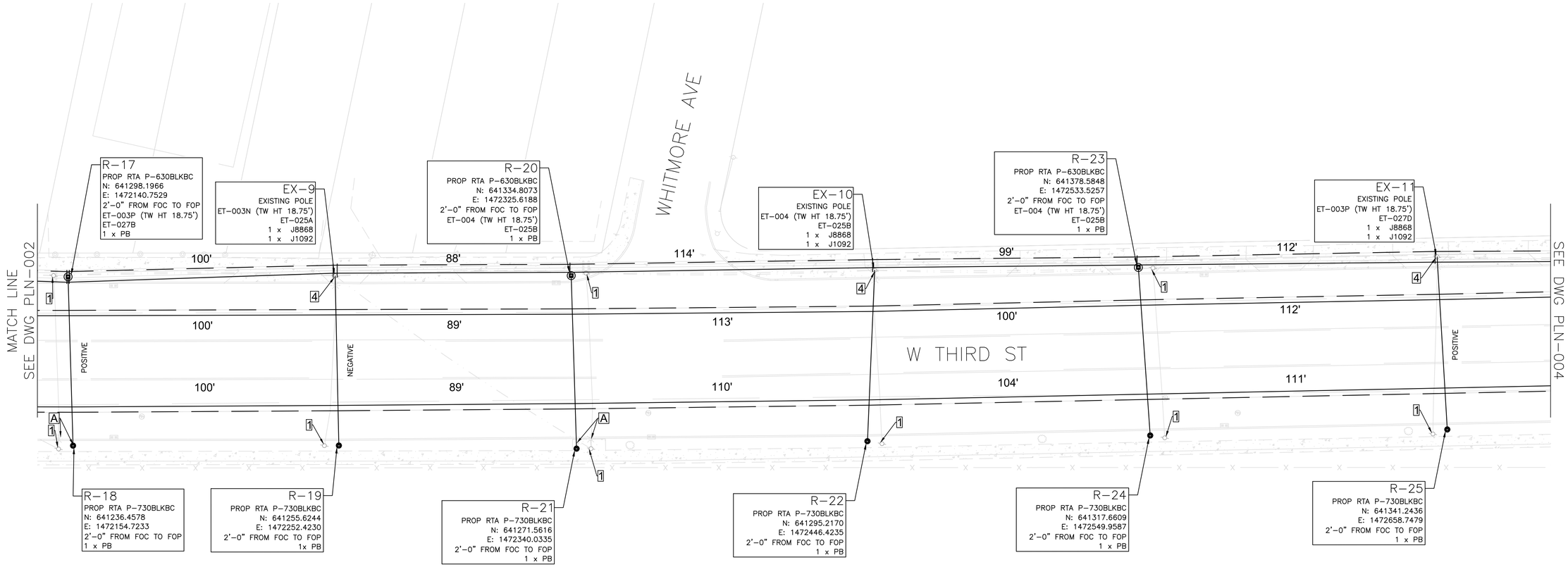
DWG TITLE
ROUTE 1W REBUILD
DEMO AND INSTALL PLANS

SHEET # PLN-002

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1 EXISTING GDRTA POLE TO BE REMOVED

2 EXISTING GDRTA POLE TO REMAIN

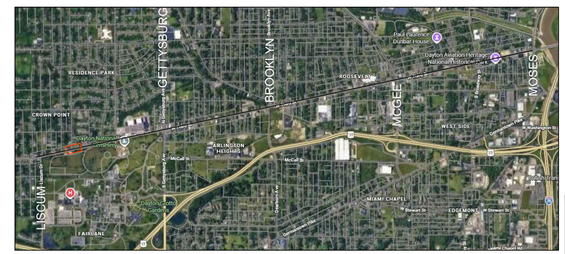
3 EXISTING JOINT USE TRAFFIC SIGNAL POLE TO REMAIN

4 EXISTING JOINT USE POWER POLE TO REMAIN

5 EXISTING THIRD PARTY POLE TO BE REMOVED AND REPLACED WITH NEW JOINT USE RTA POLE

A RELOCATE EXISTING LIGHT FROM EXISTING POLE TO NEW POLE

B RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT FROM EXISTING POLE TO NEW POLE



KEY MAP

20' 10' 0' 20' 40'

SCALE:1" = 20'

REV	DESCRIPTION	By	Date
60%		WEB	2/27/26
100%		WEB	6/12/26
IFC		WEB	9/9/26

STATE OF OHIO
WAYNE BROWN
E-88204
REGISTERED PROFESSIONAL ENGINEER

DRAWN BY: WB/DG
DATE: 9/9/26
SCALE: AS NOTED

DWG TITLE
ROUTE 1W REBUILD
DEMO AND INSTALL PLANS

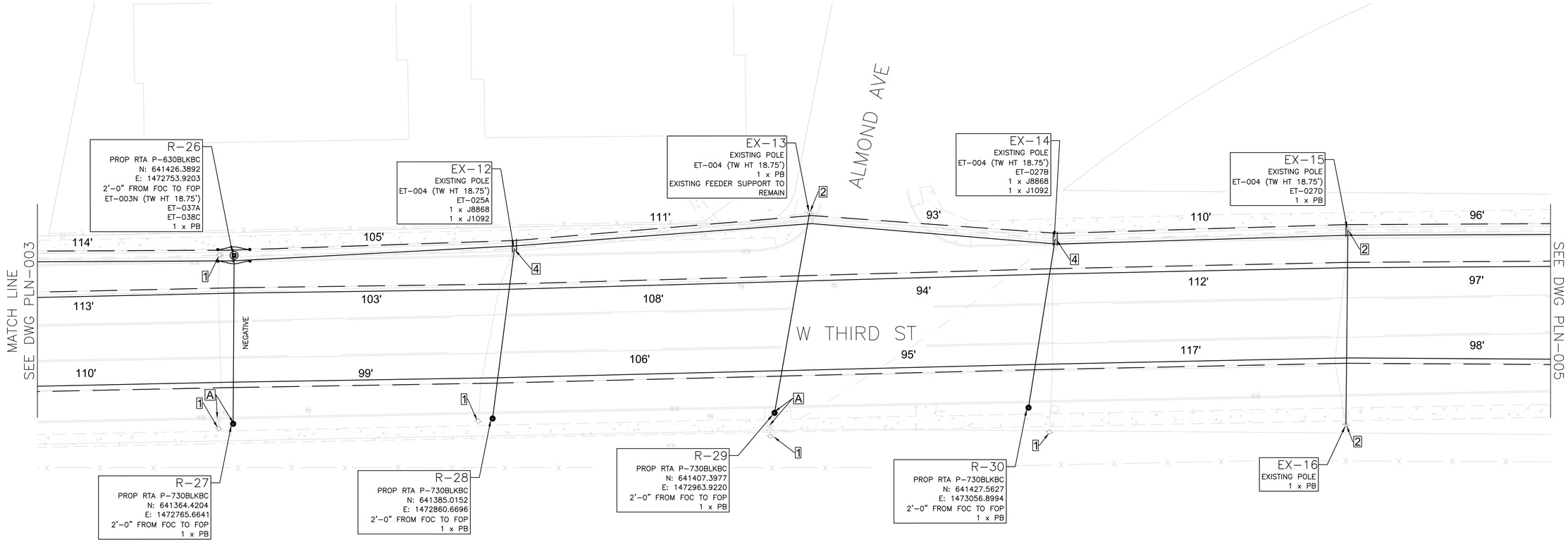
SHEET # PLN-003

PREPARED BY: HATCH

Greater Dayton Regional Transit Authority
4 S. Main St. Dayton, Ohio 45402

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1 EXISTING GDRTA POLE TO BE REMOVED

2 EXISTING GDRTA POLE TO REMAIN

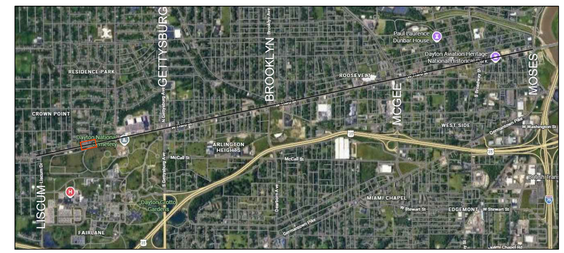
3 EXISTING JOINT USE TRAFFIC SIGNAL POLE TO REMAIN

4 EXISTING JOINT USE POWER POLE TO REMAIN

5 EXISTING THIRD PARTY POLE TO BE REMOVED AND REPLACED WITH NEW JOINT USE RTA POLE

A RELOCATE EXISTING LIGHT FROM EXISTING POLE TO NEW POLE

B RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT FROM EXISTING POLE TO NEW POLE



KEY MAP

20' 10' 0' 20' 40'

SCALE:1" = 20'

REV	DESCRIPTION	By	Date
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100%		WEB	6/12/26
IFC		WEB	9/9/26

STATE OF OHIO
WAYNE BROWN
E-88204
REGISTERED PROFESSIONAL ENGINEER

DRAWN BY: WB/DG
DATE: 9/9/26
SCALE: AS NOTED

Greater Dayton Regional Transit Authority
4 S. Main St. Dayton, Ohio 45402

DWG TITLE
ROUTE 1W REBUILD
DEMO AND INSTALL PLANS

SHEET # PLN-004

PREPARED BY: HATCH

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MATCH LINE
SEE DWG PLN-004

MATCH LINE
SEE DWG PLN-006

W THIRD ST

POSITIVE

NEGATIVE

116' 114' 111'

111' 107' 95'

106' 106'

102' 103' 114'

108' 99' 101'

98'

N: 641543.6894
E: 1473578.0171

EX-17
EXISTING POLE
ET-004 (TW HT 18.75')
ET-027D
1 x J8868
1 x J1092

R-31
PROP RTA P-730BLKBC
N: 641473.6190
E: 1473269.1291
2'-0" FROM FOC TO FOP
1 x PB

R-32
PROP RTA P-630BLKBC
N: 641556.6206
E: 1473369.3023
2'-0" FROM FOC TO FOP
ET-003P (TW HT 18.75')
ET-027D
1 x PB

R-33
PROP RTA P-730BLKBC
N: 641494.5210
E: 1473376.4242
2'-0" FROM FOC TO FOP
1 x PB

EX-18
EXISTING POLE
ET-003N (TW HT 18.75')
ET-027D
1 x J8868
1 x J1092

R-34
PROP RTA P-530BLKBC
N: 641513.5922
E: 1473482.5133
2'-0" FROM FOC TO FOP
ET-014A
2 x PB

R-35
PROP RTA P-530BLKBC
N: 641590.5106
E: 1473573.5582
2'-0" FROM FOC TO FOP
ET-022A (TW HT 18.75')
ET-028 (TW HT 18.75')
ET-025A
ET-055B
2 x PB

R-36
PROP RTA P-630BLKBC
N: 641529.9932
E: 1473579.4766
2'-0" FROM FOC TO FOP
ET-022A (TW HT 18.75')
ET-045(L)A
1 x PB

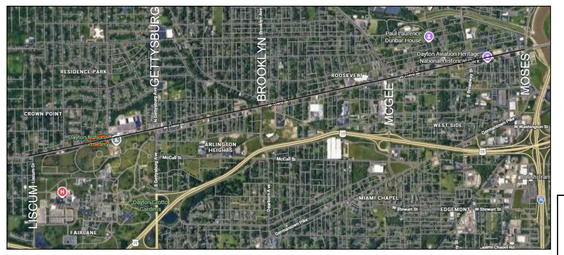
CONTROL CABINET
19655 (AS REQ'D)
17706 (AS REQ'D)

R-37
PROP RTA P-630BLKBC
N: 641616.6611
E: 1473678.5214
BACK OF WALK
ET-004 + PARTS FOR ELMHURST TURN:
2 x 19360
2 x 5665
(TW HT 18.75')

ET-025A
1 x PB

R-38
PROP RTA P-730BLKBC
N: 641548.5324
E: 1473688.3861
2'-0" FROM FOC TO FOP
1 x PB

1 EXISTING GDRTA POLE TO BE REMOVED
2 EXISTING GDRTA POLE TO REMAIN
3 EXISTING JOINT USE TRAFFIC SIGNAL POLE TO REMAIN
4 EXISTING JOINT USE POWER POLE TO REMAIN
5 EXISTING THIRD PARTY POLE TO BE REMOVED AND REPLACED WITH NEW JOINT USE RTA POLE
A RELOCATE EXISTING LIGHT FROM EXISTING POLE TO NEW POLE
B RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT FROM EXISTING POLE TO NEW POLE



KEY MAP

20' 10' 0' 20' 40'
SCALE:1" = 20'

STATE OF OHIO
WAYNE BROWN
E-88204
REGISTERED PROFESSIONAL ENGINEER

REV	DESCRIPTION	By	Date
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DRAWN BY: WB/DG
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SCALE: AS NOTED

DWG TITLE
ROUTE 1W REBUILD
DEMO AND INSTALL PLANS

SHEET # PLN-005

PREPARED BY: HATCH

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4 S. Main St. Dayton, Ohio 45402

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EX–21
EXISTING POLE
ET–014A
ET–014A
2 x PB

TEMPORARY
TERMINATIONS
FOR ELMHURST ROAD

EX–22
EXISTING POLE
ET–014A
ET–014A
2 x PB

SEE SHEET
PLN-106 FOR
ENLARGED DETAIL

ELMHURST RD

R–51
PROP RTA P–630BLKBC
N: 641690.4469
E: 1474099.8051
BACK OF WALK
ET–003P
ET–027D
1 x PB

EX–25
EXISTING POLE
ET–003N (TW HT 18.75')
ET–027D
1 x J8868
1 x J1092

EX–26
EXISTING POLE
ET–004 (TW HT 18.75')
ET–027D
1 x J8868
1 x J1092

MATCH LINE
SEE DWG PLN–005

MATCH LINE
SEE DWG PLN–007

W THIRD ST

85' 91' 65' 12' 76' 63' 104' 101'

77' 51' 89' 61' 102' 102'

97' 85' 61' 91' 58' 99' 103'

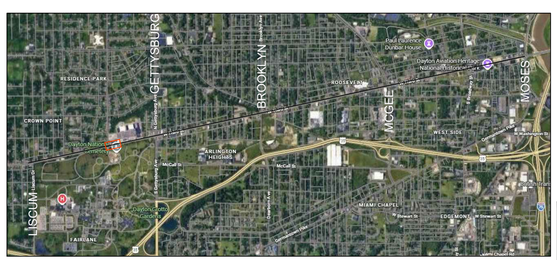
POSITIVE

NEGATIVE

R–52
PROP RTA P–730BLKBC
N: 641623.2176
E: 1474119.0365
BACK OF WALK
1 x PB

R–53
PROP RTA P–730BLKBC
N: 641632.7836
E: 1474173.8307
BACK OF WALK
1 x PB

R–54
PROP RTA P–730BLKBC
N: 641652.8523
E: 1474268.9950
BACK OF WALK
1 x PB



KEY MAP

20' 10' 0' 20' 40'

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1 EXISTING GDRTA POLE TO BE REMOVED
2 EXISTING GDRTA POLE TO REMAIN
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4 EXISTING JOINT USE POWER POLE TO REMAIN
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A RELOCATE EXISTING LIGHT FROM EXISTING POLE TO NEW POLE
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Rev	By	Date	REV DESCRIPTION
60%	WEB	2/27/26	
100%	WEB	6/12/26	
IFC	WEB	9/9/26	

STATE OF OHIO
WAYNE BROWN
E-88204
REGISTERED PROFESSIONAL ENGINEER

DRAWN BY: WB/DG
DATE: 9/9/26
SCALE: AS NOTED

DWG TITLE
ROUTE 1W REBUILD
DEMO AND INSTALL PLANS

SHEET #
PLN–006

PREPARED BY:
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4 S. Main St. Dayton, Ohio 45402

9/9/2026 11:11 AM

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MATCH LINE
SEE DWG PLN-006

MATCH LINE
SEE DWG PLN-008

WESTOWN HUB
COMMERCIAL DRIVE

W THIRD ST

POSITIVE

NEGATIVE

EX-27
EXISTING POLE
ET-004 (TW HT 18.75')
ET-027D
1 x J8868
1 x J1092

EX-28
EXISTING POLE
ET-004 (TW HT 18.75')
ET-027D
1 x J8868
1 x J1092

EX-29
EXISTING POLE
ET-004 (TW HT 18.75')
ET-027D
1 x J8868
1 x J1092

EX-30
EXISTING POLE
ET-003P (TW HT 18.75')
ET-027D
1 x J8868
1 x J1092

EX-31
EXISTING POLE
ET-003N (TW HT 18.75')
ET-037A
ET-038C
1 x J8868
1 x J1092

EX-32
EXISTING POLE
ET-004 (TW HT 18.75')
ET-027D
1 x J8868
1 x J1092

104' 103' 107' 93' 97'

103' 103' 108' 92' 99'

102' 104' 109' 90' 102'

R-55
PROP RTA P-730BLKBC
N: 641673.5473
E: 1474370.4550
BACK OF WALK
1 x PB

R-56
PROP RTA P-730BLKBC
N: 641692.3871
E: 1474470.6191
BACK OF WALK
1 x PB

R-57
PROP RTA P-730BLKBC
N: 641712.7693
E: 1474573.6790
BACK OF WALK
1 x PB

R-58
PROP RTA P-630BLKBC
N: 641733.9021
E: 1474681.0728
BACK OF WALK
1 x PB

R-59
PROP RTA P-730BLKBC
N: 641750.6357
E: 1474767.6966
BACK OF WALK
1 x PB

R-60
PROP RTA P-730BLKBC
N: 641771.0097
E: 1474870.1236
BACK OF WALK
1 x PB

1 EXISTING GDRTA POLE TO BE REMOVED

2 EXISTING GDRTA POLE TO REMAIN

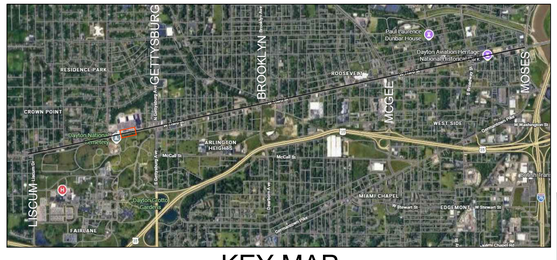
3 EXISTING JOINT USE TRAFFIC SIGNAL POLE TO REMAIN

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5 EXISTING THIRD PARTY POLE TO BE REMOVED AND REPLACED WITH NEW JOINT USE RTA POLE

A RELOCATE EXISTING LIGHT FROM EXISTING POLE TO NEW POLE

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KEY MAP

20' 10' 0' 20' 40'

SCALE:1" = 20'

REV DESCRIPTION

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STATE OF OHIO
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E-88204
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DWG TITLE
ROUTE 1W REBUILD
DEMO AND INSTALL PLANS

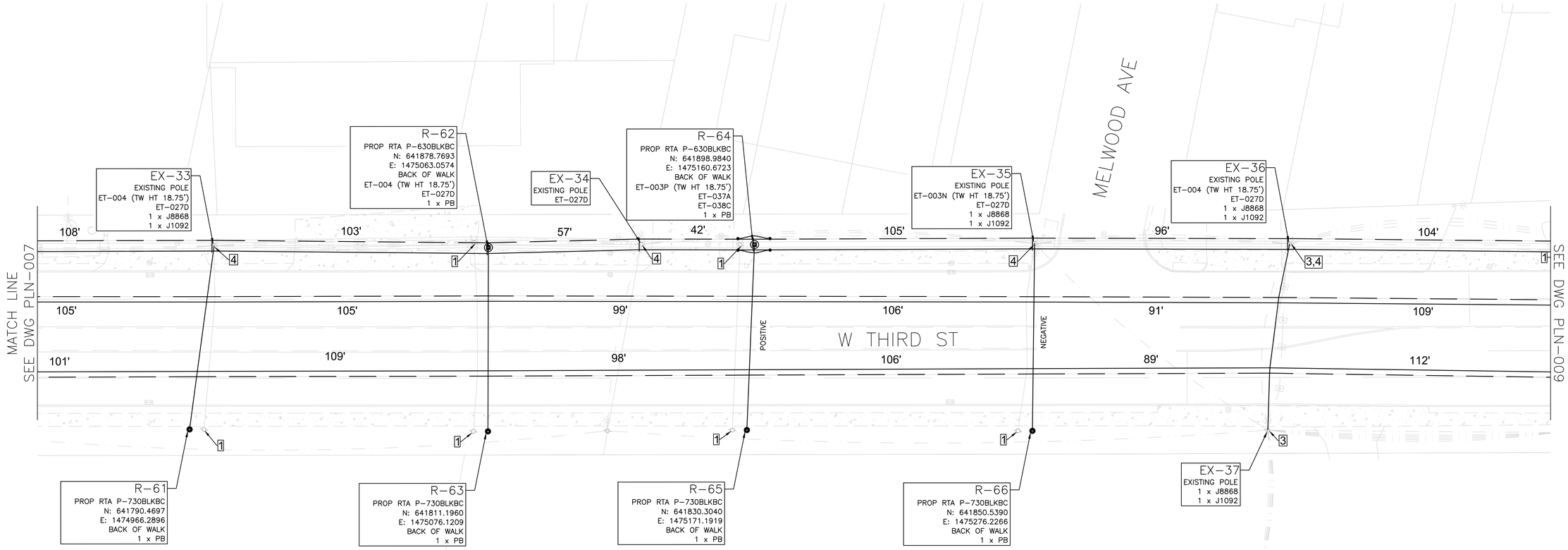
SHEET # PLN-007

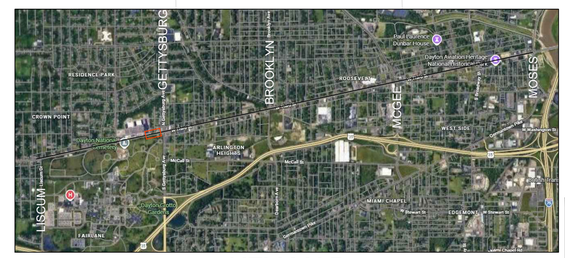
PREPARED BY: HATCH

Greater Dayton Regional Transit Authority
4 S. Main St. Dayton, Ohio 45402

9/9/2026 11:11 AM

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KEY MAP

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SCALE:1" = 20'

1 EXISTING GDRTA POLE TO BE REMOVED

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4 EXISTING JOINT USE POWER POLE TO REMAIN

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REV	DESCRIPTION	By	Date
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STATE OF OHIO
WAYNE BROWN
E-88204
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DATE: 9/9/26
SCALE: AS NOTED

DWG TITLE
ROUTE 1W REBUILD
DEMO AND INSTALL PLANS

SHEET #
PLN-008

PREPARED BY:
HATCH

Greater Dayton Regional Transit Authority
4 S. Main St. Dayton, Ohio 45402

9/9/2026 11:11 AM

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N GETTYSBURG AVE

N HATFIELD ST

S HATFIELD ST

W THIRD ST

MATCH LINE
SEE DWG PLN-008

MATCH LINE
SEE DWG PLN-010

SEE SHEET
PLN-109 FOR
ENLARGED DETAIL

108' 101' 65' 65' 52' 108' 106'

92' 103' 74' 117' 103' 109'

74' 84' 117' 98' 111'

51' 60'

67' 72'

POSITIVE

NEGATIVE

POSITIVE

EX-44
EXISTING POLE
ET-004 (TW HT 18.75')
ET-038B
1 x PB

EX-45
EXISTING POLE
ET-023A
2 x ET-051
1 x PB

EX-46
EXISTING POLE
ET-027B

R-73
PROP RTA P-624BLKBC
N: 642029.7079
E: 1475843.4658
BACK OF WALK
ET-003P (TW HT 18.75')
ET-027D
1 x PB

EX-47
EXISTING POLE
1 x PB

EX-48
EXISTING POLE
ET-003N (TW HT 18.75')
EXISTING FEEDER SUPPORT TO REMAIN
1 x J8868
1 x J1092

R-74
PROP RTA P-724BLKBC
N: 641981.6445
E: 1475951.4829
BACK OF WALK
1 x PB
MAY ADJUST POLE SLIGHTLY IN ROW TO AVOID SIGN

R-70
PROP RTA P-430BLKBC
LOCATE 5'-0" MIN FROM EXISTING POLE AND 2'-0" FROM FOC TO FOP
ET-052
3 x PB

R-71
PROP RTA P-430BLKBC
N: 641756.7497
E: 1475650.5855
2'-0" FROM FOC TO FOP
ET-003P
ET-027D
ET-052
3 x PB

TEMPORARY
TERMINATIONS FOR GETTYSBURG.

ADD TROLLEY CATCH TO
BUS STOP ID 1540 @ GETTYSBURG AND MCALL

1 EXISTING GDRTA POLE TO BE REMOVED

2 EXISTING GDRTA POLE TO REMAIN

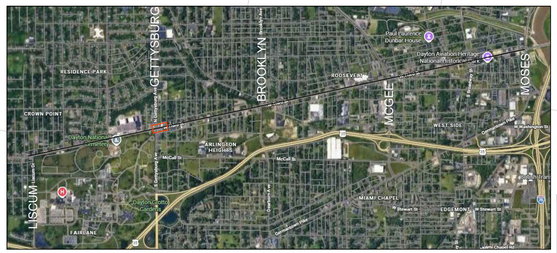
3 EXISTING JOINT USE TRAFFIC SIGNAL POLE TO REMAIN

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KEY MAP

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STATE OF OHIO
WAYNE BROWN
E-88204
REGISTERED PROFESSIONAL ENGINEER

DRAWN BY: WB/DG
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4 S. Main St. Dayton, Ohio 45402

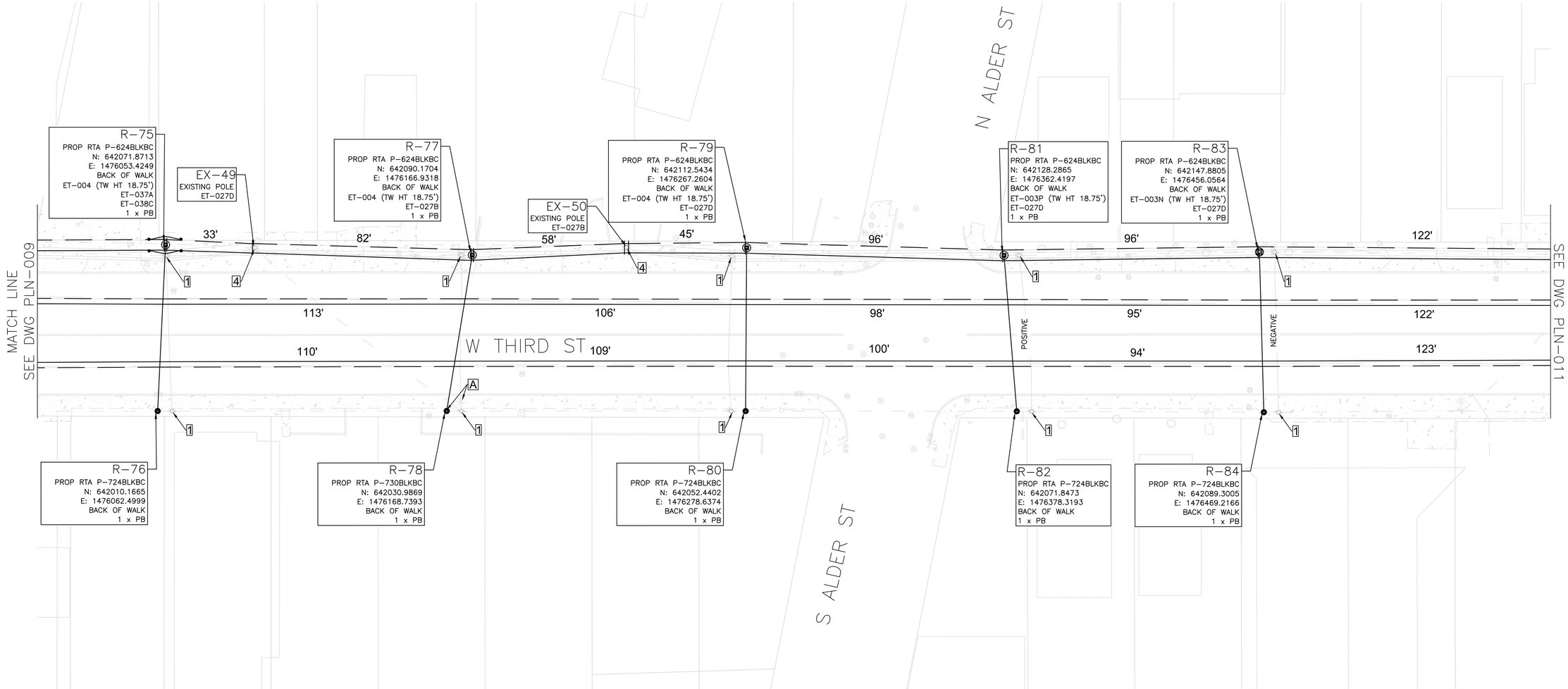
DWG TITLE
ROUTE 1W REBUILD
DEMO AND INSTALL PLANS

SHEET #
PLN-009

PREPARED BY:
HATCH

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1 EXISTING GDRTA POLE TO BE REMOVED

2 EXISTING GDRTA POLE TO REMAIN

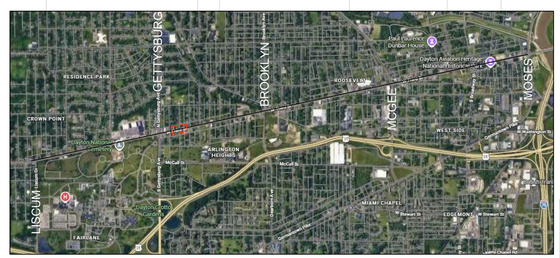
3 EXISTING JOINT USE TRAFFIC SIGNAL POLE TO REMAIN

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KEY MAP

20' 10' 0' 20' 40'

SCALE:1" = 20'

STATE OF OHIO
WAYNE BROWN
E-88204
REGISTERED PROFESSIONAL ENGINEER

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IFC		WEB	9/9/26

DRAWN BY: WB/DG
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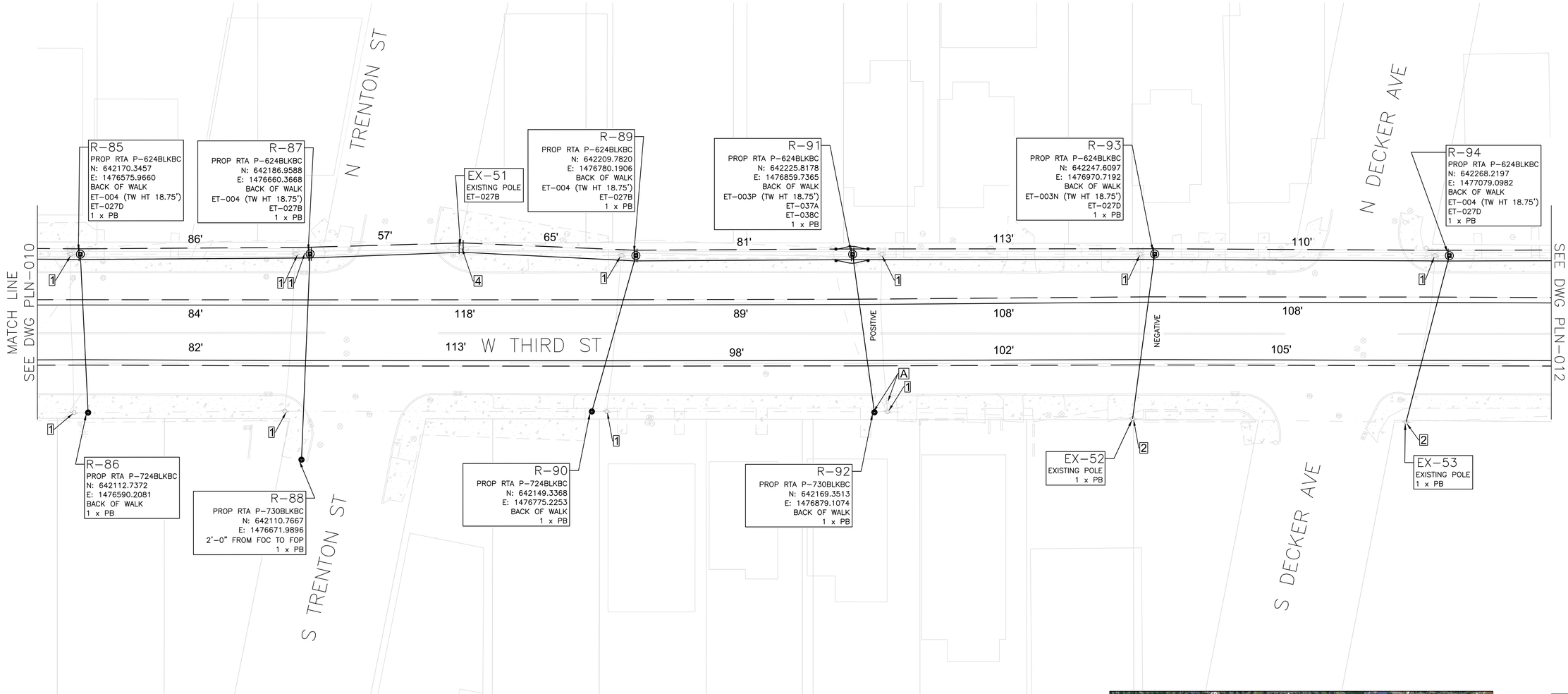
PREPARED BY: HATCH

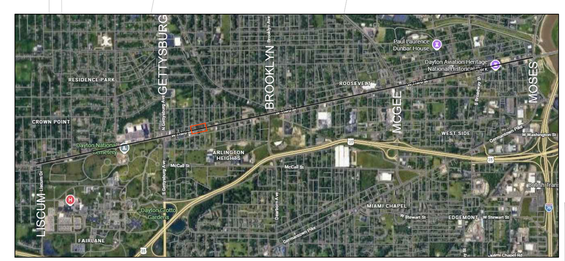
SHEET # PLN-010

DWG TITLE
ROUTE 1W REBUILD
DEMO AND INSTALL PLANS

9/9/2026 11:11 AM

1W-P1-PLN-001-016.dwg





KEY MAP

20' 10' 0' 20' 40'

SCALE:1" = 20'

1 EXISTING GDRTA POLE TO BE REMOVED

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B RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT FROM EXISTING POLE TO NEW POLE

STATE OF OHIO
WAYNE BROWN
E-88204
REGISTERED PROFESSIONAL ENGINEER

Rev	By	Date	REV DESCRIPTION
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100%	WEB	6/12/26	
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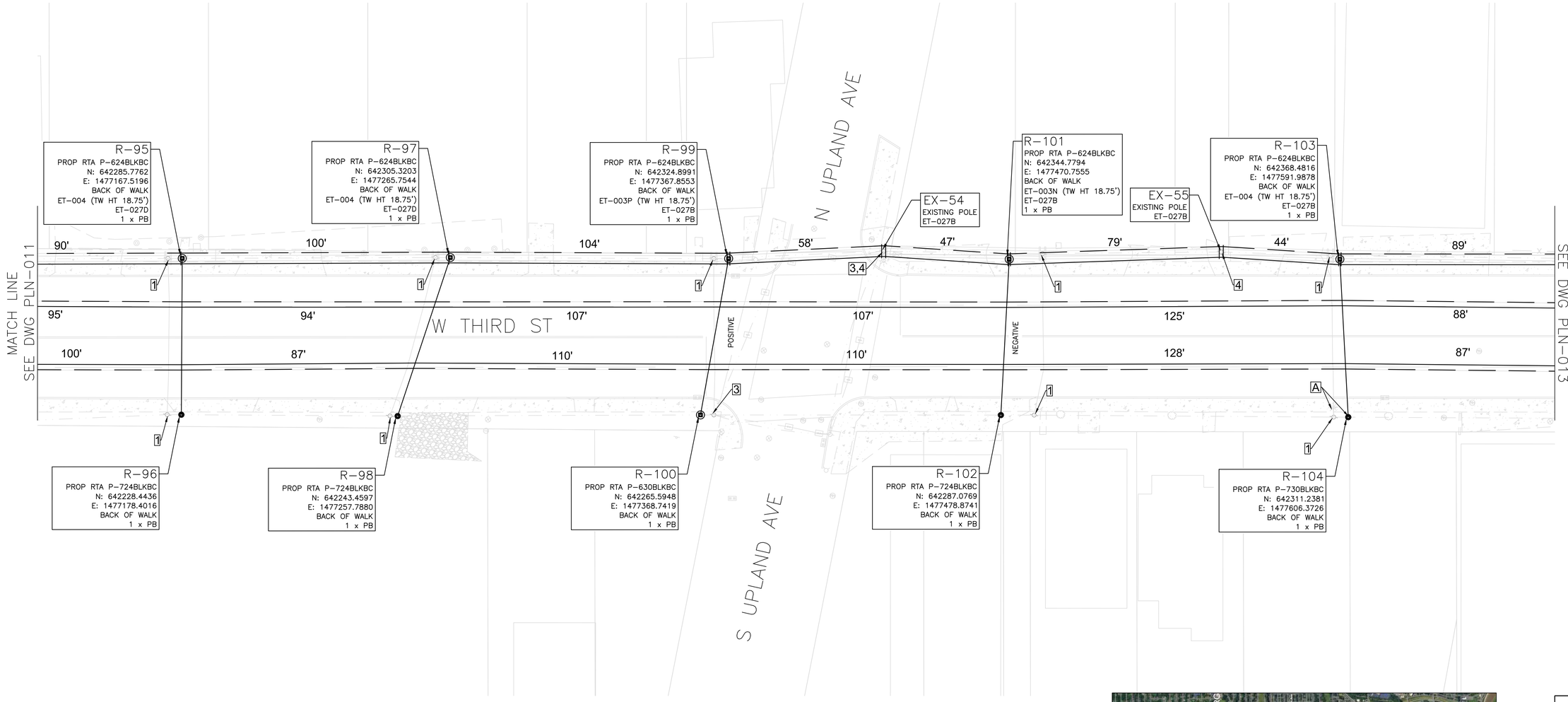
DWG TITLE
ROUTE 1W REBUILD
DEMO AND INSTALL PLANS

SHEET # PLN-011

PREPARED BY: HATCH

9/9/2026 11:11 AM

1W-P1-PLN-001-016.dwg



1 EXISTING GDRTA POLE TO BE REMOVED

2 EXISTING GDRTA POLE TO REMAIN

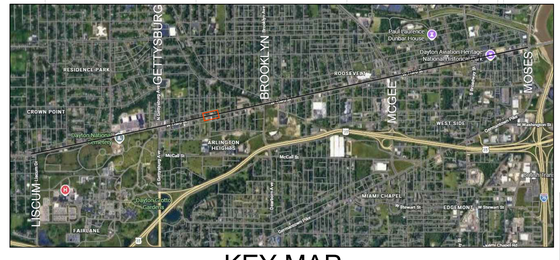
3 EXISTING JOINT USE TRAFFIC SIGNAL POLE TO REMAIN

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KEY MAP

20' 10' 0' 20' 40'

SCALE: 1" = 20'

REV	DESCRIPTION	By	Date
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100%		WEB	6/12/26
IFC		WEB	9/9/26

STATE OF OHIO
WAYNE BROWN
E-88204
REGISTERED PROFESSIONAL ENGINEER

DRAWN BY: WB/DG
DATE: 9/9/26
SCALE: AS NOTED

Greater Dayton Regional Transit Authority
4 S. Main St. Dayton, Ohio 45402

DWG TITLE
ROUTE 1W REBUILD
DEMO AND INSTALL PLANS

SHEET # PLN-012

PREPARED BY: HATCH

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1W-P1-PLN-001-016.dwg

MATCH LINE
SEE DWG PLN-012

MATCH LINE
SEE DWG PLN-014

N HALLOWAY ST

N PLAZA AVE

W THIRD ST

S HALLOWAY ST

S PLAZA AVE

POSITIVE

NEGATIVE

R-105
PROP RTA P-624BLKBC
N: 642385.9721
E: 1477679.4786
BACK OF WALK
ET-004 (TW HT 18.75')
ET-037A
ET-038C
1 x PB

EX-56
EXISTING POLE
ET-004 (TW HT 18.75')
ET-027B
1 x J8868
1 x J1092

EX-57
EXISTING POLE
ET-003P (TW HT 18.75')
ET-027B
1 x PB

EX-59
EXISTING POLE
ET-027B

R-108
PROP RTA P-624BLKBC
N: 642438.2982
E: 1477972.1706
2'-0" FROM FOC TO FOP
ET-003N (TW HT 18.75')
ET-027D
1 x PB

EX-60
EXISTING POLE
ET-027D

R-110
PROP RTA P-624BLKBC
N: 642456.4362
E: 1478065.6588
2'-0" FROM FOC TO FOP
ET-004 (TW HT 18.75')
ET-027D
1 x PB

EX-61
EXISTING POLE
ET-027D

R-112
PROP RTA P-624BLKBC
N: 642477.0457
E: 1478170.4756
2'-0" FROM FOC TO FOP
ET-004 (TW HT 18.75')
ET-027D
1 x PB

EX-63
EXISTING POLE
ET-027D

108' 89' 13' 87' 21' 75' 18' 88' 40'

107' 90' 98' 99' 105' 99'

105' 91' 107' 90' 105' 96'

R-106
PROP RTA P-724BLKBC
N: 642327.3213
E: 1477690.9142
BACK OF WALK
1 x PB

R-107
PROP RTA P-724BLKBC
N: 642352.4902
E: 1477792.0247
2'-0" FROM FOC TO FOP
1 x PB

EX-58
EXISTING POLE
1 x PB
PAINT POLE BLACK

R-109
PROP RTA P-724BLKBC
N: 642390.9778
E: 1477990.5647
2'-0" FROM FOC TO FOP
1 x PB

R-111
PROP RTA P-724BLKBC
N: 642407.7091
E: 1478076.6214
2'-0" FROM FOC TO FOP
1 x PB

EX-62
EXISTING POLE
1 x PB
PAINT POLE BLACK

1 EXISTING GDRTA POLE TO BE REMOVED

2 EXISTING GDRTA POLE TO REMAIN

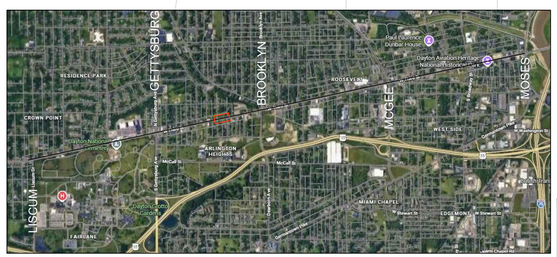
3 EXISTING JOINT USE TRAFFIC SIGNAL POLE TO REMAIN

4 EXISTING JOINT USE POWER POLE TO REMAIN

5 EXISTING THIRD PARTY POLE TO BE REMOVED AND REPLACED WITH NEW JOINT USE RTA POLE

A RELOCATE EXISTING LIGHT FROM EXISTING POLE TO NEW POLE

B RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT FROM EXISTING POLE TO NEW POLE



KEY MAP

20' 10' 0' 20' 40'

SCALE:1" = 20'

STATE OF OHIO
WAYNE BROWN
E-88204
REGISTERED PROFESSIONAL ENGINEER

Rev	By	Date
60%	WEB	2/27/26
100%	WEB	6/12/26
IFC	WEB	9/9/26

REV DESCRIPTION

DRAWN BY: WB/DG
DATE: 9/9/26
SCALE: AS NOTED

DWG TITLE
ROUTE 1W REBUILD
DEMO AND INSTALL PLANS

SHEET #
PLN-013

PREPARED BY:
HATCH

Greater Dayton Regional Transit Authority
4 S. Main St. Dayton, Ohio 45402

rta

9/9/2026 11:12 AM

1W-P1-PLN-001-016.dwg

MATCH LINE
SEE DWG PLN-013

MATCH LINE
SEE DWG PLN-015

R-113
PROP RTA P-624BLKBC
N: 642495.7165
E: 1478267.1819
2'-0" FROM FOC TO FOP
ET-004 (TW HT 18.75')
ET-027D
1 x PB

EX-64
EXISTING POLE
ET-027D

R-115
PROP RTA P-624BLKBC
N: 642516.7250
E: 1478375.3278
2-0" FROM FOC TO FOP
ET-003P (TW HT 18.75')
ET-027D
1 x PB

EX-65
EXISTING POLE
ET-027D

R-117
PROP RTA P-624BLKBC
N: 642537.9802
E: 1478484.9121
2'-0" FROM FOC TO FOP
ET-003N (TW HT 18.75')
ET-027D
1 x PB

EX-66
EXISTING POLE
ET-027D

R-119
PROP RTA P-624BLKBC
N: 642556.8140
E: 1478582.0331
2'-0" FROM FOC TO FOP
ET-004 (TW HT 18.75')
ET-037A
ET-038C
1 x PB

EX-67
EXISTING POLE
ET-004 (TW HT 18.75')
ET-027D
1 x J8868
1 x J1092

R-121
PROP RTA P-624BLKBC
N: 642594.7544
E: 1478777.3757
2'-0" FROM FOC TO FOP
ET-004 (TW HT 18.75')
ET-027D
1 x PB

58' 82' 28' 74' 38' 85' 14' 104' 95'

113' 109' 101' 111' 98'

117' 105' 103' 96' 103'

POSITIVE

NEGATIVE

W THIRD ST

R-114
PROP RTA P-724BLKBC
N: 642443.9048
E: 1478271.5817
FRONT OF WALK
1 x PB

R-116
PROP RTA P-724BLKBC
N: 642466.2819
E: 1478389.0743
IN WALK
1 x PB

R-118
PROP RTA P-724BLKBC
N: 642487.5792
E: 1478488.9289
2'-0" FROM FOC TO FOP
1 x PB

R-120
PROP RTA P-724BLKBC
N: 642507.4683
E: 1478591.5892
2'-0" FROM FOC TO FOP
1 x PB

EX-68
EXISTING POLE
1 x PB

R-122
PROP RTA P-724BLKBC
N: 642542.7039
E: 1478787.3167
2'-0" FROM FOC TO FOP
1 x PB

UPPER AVE

S MOSS AVE

1 EXISTING GDRTA POLE TO BE REMOVED

2 EXISTING GDRTA POLE TO REMAIN

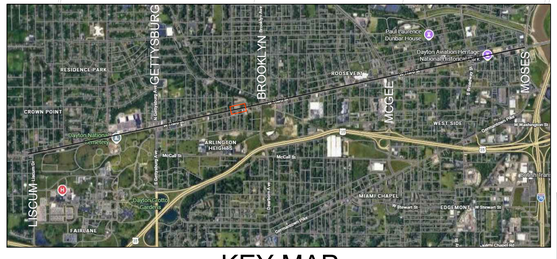
3 EXISTING JOINT USE TRAFFIC SIGNAL POLE TO REMAIN

4 EXISTING JOINT USE POWER POLE TO REMAIN

5 EXISTING THIRD PARTY POLE TO BE REMOVED AND REPLACED WITH NEW JOINT USE RTA POLE

A RELOCATE EXISTING LIGHT FROM EXISTING POLE TO NEW POLE

B RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT FROM EXISTING POLE TO NEW POLE



KEY MAP

20' 10' 0' 20' 40'

SCALE: 1" = 20'

REV	DESCRIPTION	By	Date
60%		WEB	2/27/26
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STATE OF OHIO
WAYNE BROWN
E-88204
REGISTERED PROFESSIONAL ENGINEER

DRAWN BY: WB/DG
DATE: 9/9/26
SCALE: AS NOTED

DWG TITLE
ROUTE 1W REBUILD
DEMO AND INSTALL PLANS

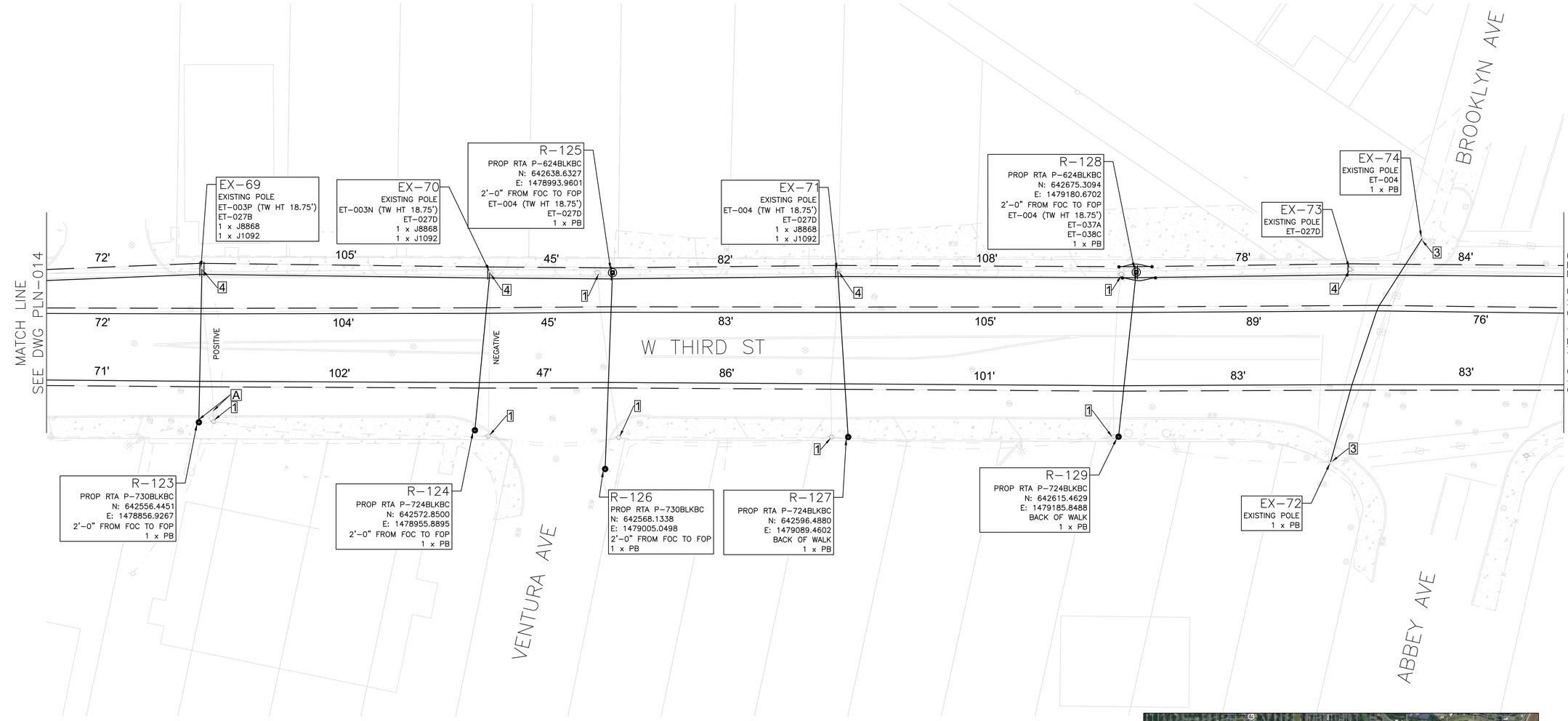
SHEET # PLN-014

PREPARED BY: HATCH

Greater Dayton Regional Transit Authority
4 S. Main St. Dayton, Ohio 45402

9/9/2026 11:12 AM

1W-P1-PLN-001-016.dwg





KEY MAP

20' 10' 0' 20' 40'

SCALE:1" = 20'

1 EXISTING GDRTA POLE TO BE REMOVED

2 EXISTING GDRTA POLE TO REMAIN

3 EXISTING JOINT USE TRAFFIC SIGNAL POLE TO REMAIN

4 EXISTING JOINT USE POWER POLE TO REMAIN

5 EXISTING THIRD PARTY POLE TO BE REMOVED AND REPLACED WITH NEW JOINT USE RTA POLE

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B RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT FROM EXISTING POLE TO NEW POLE

STATE OF OHIO
WAYNE BROWN
E-88204
REGISTERED PROFESSIONAL ENGINEER

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DRAWN BY: WB/DG
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SCALE: AS NOTED

PREPARED BY: HATCH

Greater Dayton Regional Transit Authority
4 S. Main St. Dayton, Ohio 45402

rta

DWG TITLE
ROUTE 1W REBUILD
DEMO AND INSTALL PLANS

SHEET # PLN-015

9/9/2026 11:12 AM

1W-P1-PLN-001-016.dwg

MATCH LINE
SEE DWG PLN-015

MATCH LINE
SEE DWG PLN-017

DELPHOS AVE

SHOOP AVE

W THIRD ST

INLAND AVE

EX-75
EXISTING POLE
ET-004
ET-024
2 x PB

EX-77
EXISTING POLE
ET-003P (TW HT 18.75')
ET-027B
RE-ATTACH FEEDER JUMPERS
1 x J8868
1 x J1092

EX-78
EXISTING POLE
ET-003N (TW HT 18.75')
ET-027D
1 x J8868
1 x J1092

EX-79
EXISTING POLE
ET-004 (TW HT 18.75')
ET-027D
1 x J8868
1 x J1092

EX-80
EXISTING POLE
ET-004 (TW HT 18.75')
ET-027D
1 x J8868
1 x J1092

R-134
PROP RTA P-630BLKBC
N: 642803.5014
E: 1479841.7902
2'-0" FROM FOC TO FOP
ET-004 (TW HT 18.75')
ET-037A
ET-038C
1 x PB

EX-76
EXISTING POLE
2 x PB

R-130
PROP RTA P-730BLKBC
N: 642668.9040
E: 1479437.1310
2'-0" FROM FOC TO FOP
1 x PB

R-131
PROP RTA P-724BLKBC
N: 642687.8941
E: 1479535.3695
2'-0" FROM FOC TO FOP
1 x PB

R-132
PROP RTA P-724BLKBC
N: 642709.9675
E: 1479648.8706
2'-0" FROM FOC TO FOP
1 x PB

R-133
PROP RTA P-730BLKBC
N: 642728.1773
E: 1479745.6289
2'-0" FROM FOC TO FOP
1 x PB

R-135
PROP RTA P-724BLKBC
N: 642746.9745
E: 1479851.5599
2'-0" FROM FOC TO FOP
1 x PB

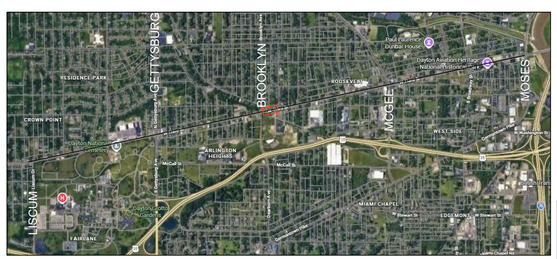
92' 103' 115' 116' 86' 47'

90' 103' 114' 112' 92' 49'

90' 101' 115' 103' 102' 54'

POSITIVE

NEGATIVE



KEY MAP

20' 10' 0' 20' 40'

SCALE:1" = 20'

1 EXISTING GDRTA POLE TO BE REMOVED

2 EXISTING GDRTA POLE TO REMAIN

3 EXISTING JOINT USE TRAFFIC SIGNAL POLE TO REMAIN

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A RELOCATE EXISTING LIGHT FROM EXISTING POLE TO NEW POLE

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STATE OF OHIO
WAYNE BROWN
E-88204
REGISTERED PROFESSIONAL ENGINEER

Rev	By	Date	REV DESCRIPTION
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IFC	WEB	9/9/26	

DRAWN BY: WB/DG
DATE: 9/9/26
SCALE: AS NOTED

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4 S. Main St. Dayton, Ohio 45402

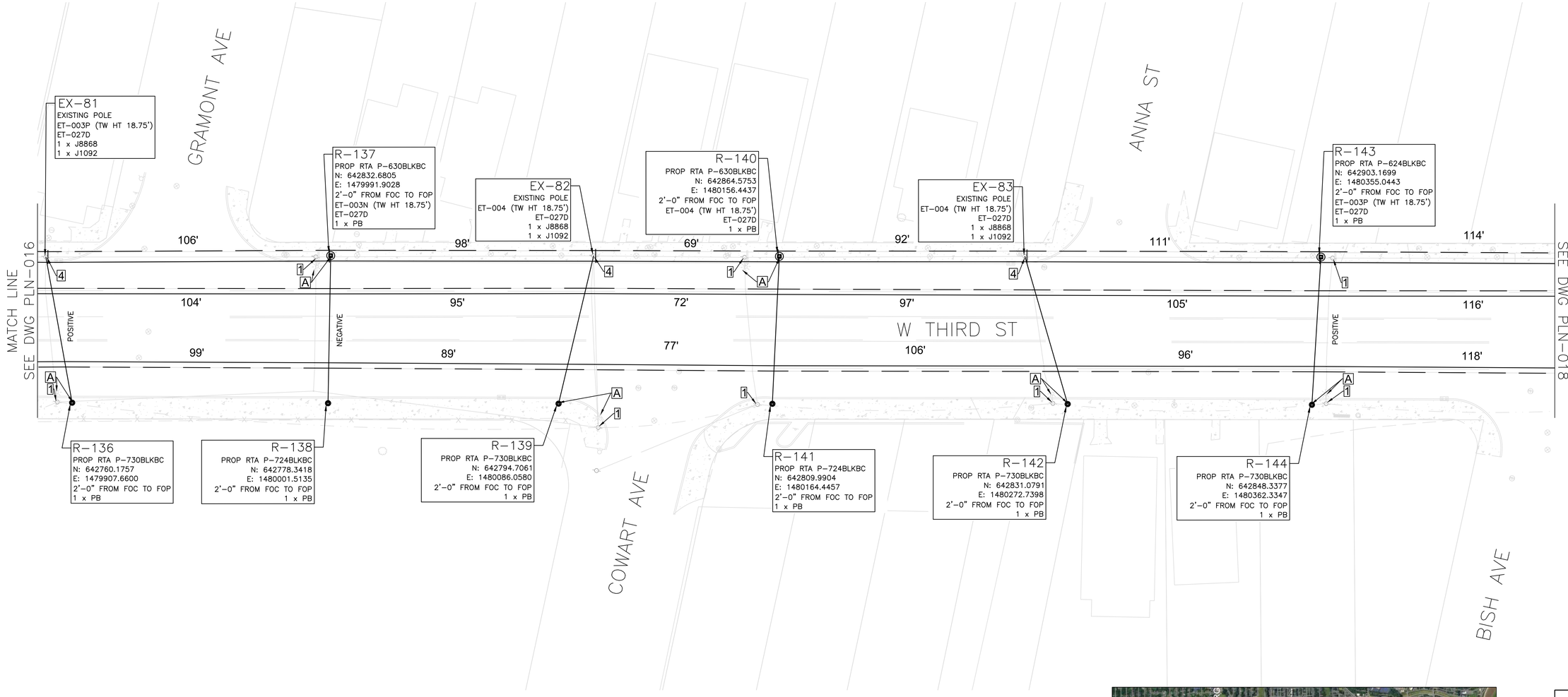
PREPARED BY: HATCH

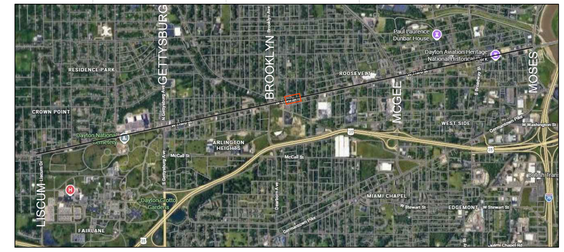
SHEET # PLN-016

DWG TITLE
ROUTE 1W REBUILD
DEMO AND INSTALL PLANS

9/9/2026 11:12 AM

1W-P1-PLN-001-016.dwg





KEY MAP

20' 10' 0' 20' 40'

SCALE: 1" = 20'

1 EXISTING GDRTA POLE TO BE REMOVED

2 EXISTING GDRTA POLE TO REMAIN

3 EXISTING JOINT USE TRAFFIC SIGNAL POLE TO REMAIN

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5 EXISTING THIRD PARTY POLE TO BE REMOVED AND REPLACED WITH NEW JOINT USE RTA POLE

A RELOCATE EXISTING LIGHT FROM EXISTING POLE TO NEW POLE

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REV	DESCRIPTION	By	Date
60%		WEB	2/27/26
100%		WEB	6/12/26
IFC		WEB	9/9/26

STATE OF OHIO
WAYNE BROWN
E-88204
REGISTERED PROFESSIONAL ENGINEER

DRAWN BY: WB/DG
DATE: 9/9/26
SCALE: AS NOTED

DWG TITLE
ROUTE 1W REBUILD
DEMO AND INSTALL PLANS

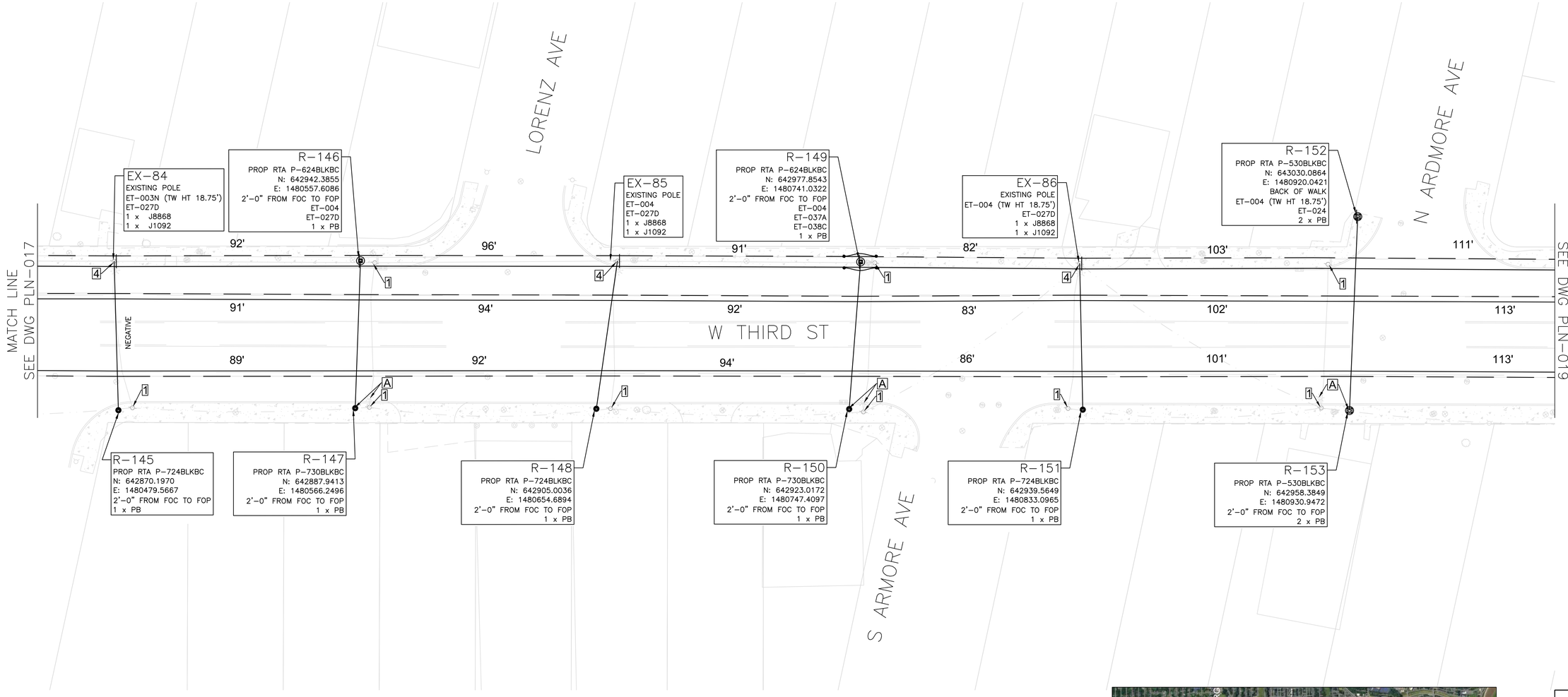
SHEET # PLN-017

PREPARED BY: HATCH

Greater Dayton Regional Transit Authority
4 S. Main St. Dayton, Ohio 45402

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1W-P1-PLN-017-032.dwg



1 EXISTING GDRTA POLE TO BE REMOVED

2 EXISTING GDRTA POLE TO REMAIN

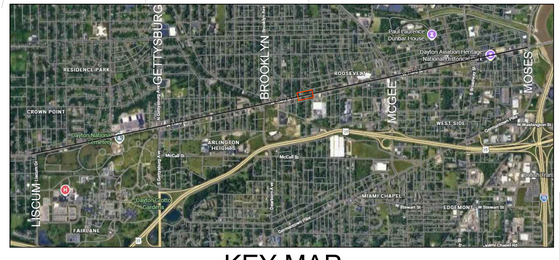
3 EXISTING JOINT USE TRAFFIC SIGNAL POLE TO REMAIN

4 EXISTING JOINT USE POWER POLE TO REMAIN

5 EXISTING THIRD PARTY POLE TO BE REMOVED AND REPLACED WITH NEW JOINT USE RTA POLE

A RELOCATE EXISTING LIGHT FROM EXISTING POLE TO NEW POLE

B RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT FROM EXISTING POLE TO NEW POLE



KEY MAP

20' 10' 0' 20' 40'

SCALE:1" = 20'

REV	DESCRIPTION	By	Date
Rev	60%	WEB	2/27/26
	100%	WEB	6/12/26
	IFC	WEB	9/9/26

STATE OF OHIO
WAYNE BROWN
E-88204
REGISTERED PROFESSIONAL ENGINEER

DRAWN BY: WB/DG
DATE: 9/9/26
SCALE: AS NOTED

DWG TITLE
ROUTE 1W REBUILD
DEMO AND INSTALL PLANS

SHEET #
PLN-018

PREPARED BY:
HATCH

Greater Dayton Regional Transit Authority
4 S. Main St. Dayton, Ohio 45402

9/9/2026 11:12 AM

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N MARION ST

W THIRD ST

S MARION ST

YOUNG AVE

MATCH LINE
SEE DWG PLN-018

MATCH LINE
SEE DWG PLN-020

EX-87
EXISTING POLE
ET-003P (TW HT 18.75')
ET-027D
1 x J8868
1 x J1092

R-155
PROP RTA P-530BLKBC
N: 643055.0597
E: 1481136.4888
2'-0" FROM FOC TO FOP
ET-003N (TW HT 18.75')
ET-027D
1 x PB

EX-88
EXISTING POLE
ET-004 (TW HT 18.75')
ET-027D
1 x J8868
1 x J1092

R-158
PROP RTA P-624BLKBC
N: 643092.1340
E: 1481327.8659
2'-0" FROM FOC TO FOP
ET-004 (TW HT 18.75')
ET-027D
1 x PB

EX-89
EXISTING POLE
ET-003P (TW HT 18.75')
ET-027B
1 x J8868
1 x J1092

R-161
PROP RTA P-624BLKBC
N: 643132.6331
E: 1481537.7304
2'-0" FROM FOC TO FOP
ET-003N (TW HT 18.75')
ET-037A
ET-038C
1 x PB

R-154
PROP RTA P-630BLKBC
N: 642974.0975
E: 1481044.4167
2'-0" FROM FOC TO FOP
EASEMENT REQUIRED
1 x PB

R-156
PROP RTA P-730BLKBC
N: 643004.0554
E: 1481164.4128
2'-0" FROM FOC TO FOP
1 x PB

R-157
PROP RTA P-724BLKBC
N: 643020.1980
E: 1481247.3955
2'-0" FROM FOC TO FOP
1 x PB

R-159
PROP RTA P-730BLKBC
N: 643036.8287
E: 1481332.5242
2'-0" FROM FOC TO FOP
1 x PB

R-160
PROP RTA P-724BLKBC
N: 643057.6495
E: 1481441.2587
2'-0" FROM FOC TO FOP
1 x PB

R-162
PROP RTA P-724BLKBC
N: 643078.5424
E: 1481548.2745
2'-0" FROM FOC TO FOP
1 x PB

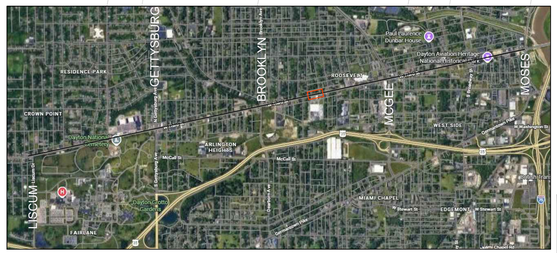
107' 99' 95' 101' 113'

111' 95' 93' 104' 112'

119' 88' 89' 108' 110'

POSITIVE NEGATIVE POSITIVE NEGATIVE

1 EXISTING GDRTA POLE TO BE REMOVED
2 EXISTING GDRTA POLE TO REMAIN
3 EXISTING JOINT USE TRAFFIC SIGNAL POLE TO REMAIN
4 EXISTING JOINT USE POWER POLE TO REMAIN
5 EXISTING THIRD PARTY POLE TO BE REMOVED AND REPLACED WITH NEW JOINT USE RTA POLE
A RELOCATE EXISTING LIGHT FROM EXISTING POLE TO NEW POLE
B RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT FROM EXISTING POLE TO NEW POLE



KEY MAP

20' 10' 0' 20' 40'
SCALE:1" = 20'

REV	DESCRIPTION	By	Date
60%		WEB	2/27/26
100%		WEB	6/12/26
IFC		WEB	9/9/26

STATE OF OHIO
WAYNE BROWN
E-88204
REGISTERED PROFESSIONAL ENGINEER

DRAWN BY: WB/DG
DATE: 9/9/26
SCALE: AS NOTED

DWG TITLE
ROUTE 1W REBUILD
DEMO AND INSTALL PLANS

SHEET # PLN-019

PREPARED BY: HATCH

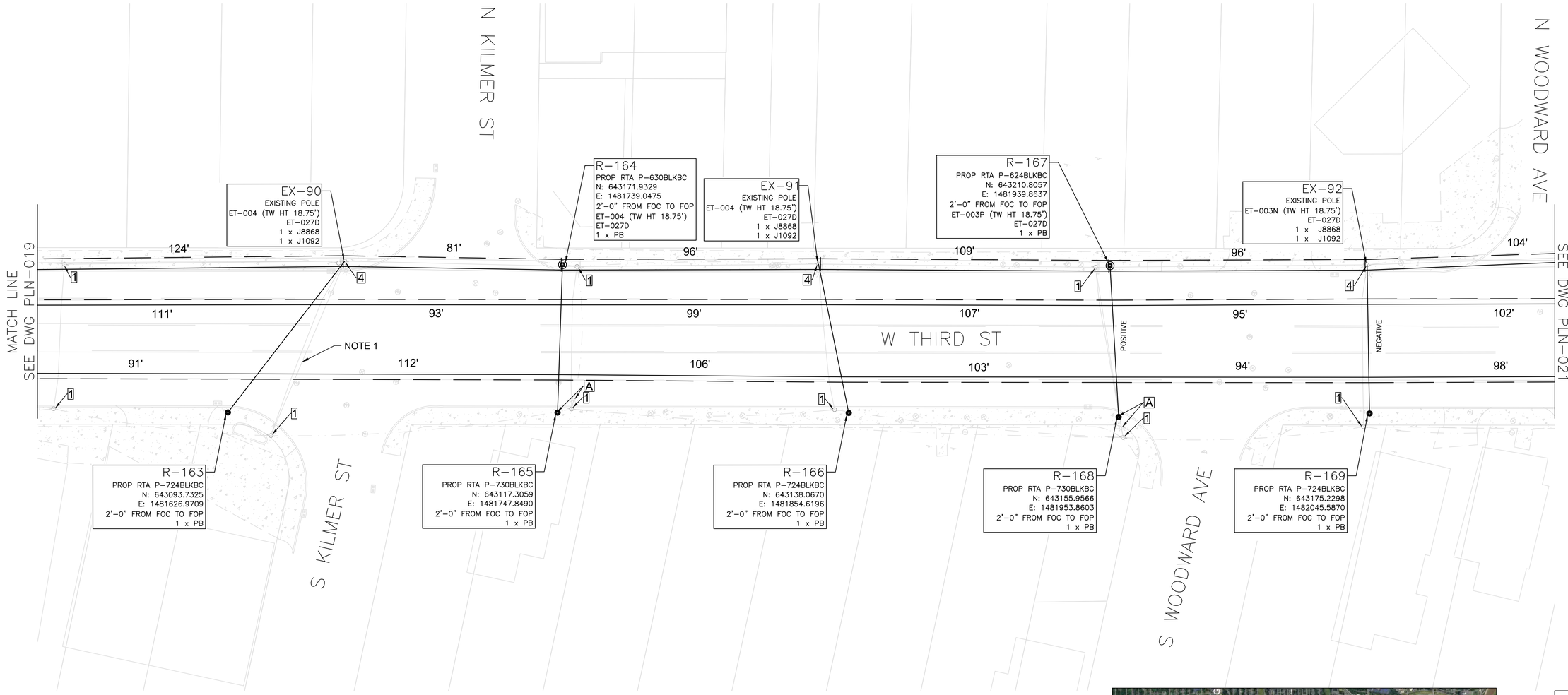
Greater Dayton Regional Transit Authority
4 S. Main St. Dayton, Ohio 45402

9/9/2026 11:12 AM

1W-P1-PLN-017-032.dwg

NOTES:

1. THIRD PARTY GUY WIRE. INSTALL NEW POLE AND NEW DOWN GUY PRIOR TO REMOVING THE EXISTING DOWN GUY AND POLE.



1 EXISTING GDRTA POLE TO BE REMOVED

2 EXISTING GDRTA POLE TO REMAIN

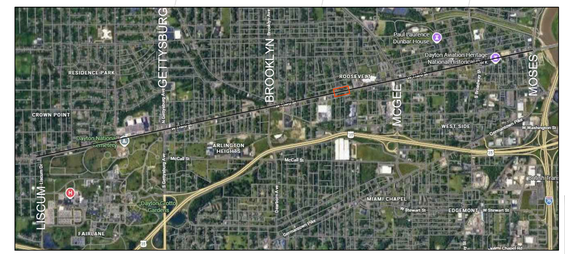
3 EXISTING JOINT USE TRAFFIC SIGNAL POLE TO REMAIN

4 EXISTING JOINT USE POWER POLE TO REMAIN

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KEY MAP

20' 10' 0' 20' 40'

SCALE:1" = 20'

Rev	By	Date
60%	WEB	2/27/26
100%	WEB	6/12/26
IFC	WEB	9/9/26

REV DESCRIPTION

STATE OF OHIO
WAYNE BROWN
E-88204
REGISTERED PROFESSIONAL ENGINEER

DRAWN BY: WB/DG
DATE: 9/9/26
SCALE: AS NOTED

DWG TITLE
ROUTE 1W REBUILD
DEMO AND INSTALL PLANS

SHEET # PLN-020

PREPARED BY: HATCH

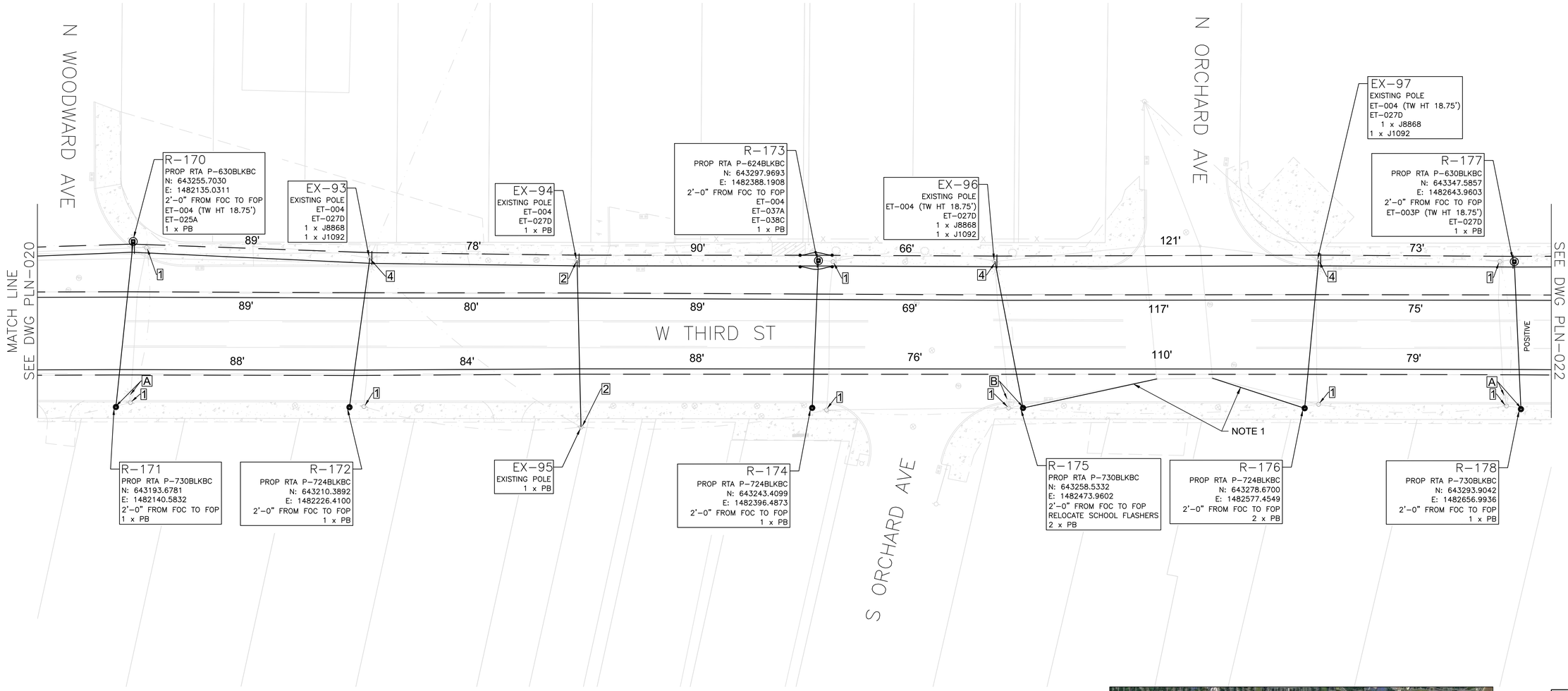
Greater Dayton Regional Transit Authority
4 S. Main St. Dayton, Ohio 45402

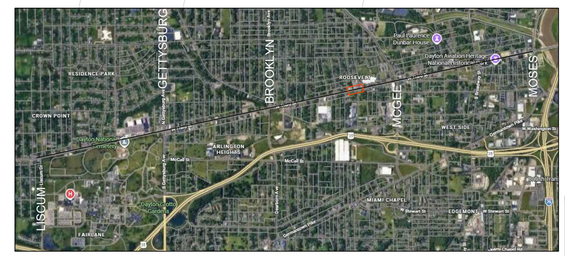
9/9/2026 11:12 AM

1W-P1-PLN-017-032.dwg

NOTES:

1. THIRD PARTY GUY WIRES TO SUPPORT SCHOOL FLASHER WIRING. MODIFY/RELOCATE GUY WIRES AND ATTACHMENTS AS REQUIRED TO RELOCATE SCHOOL FLASHERS AND WIRING.





KEY MAP

20' 10' 0' 20' 40'

SCALE:1" = 20'

1 EXISTING GDRTA POLE TO BE REMOVED

2 EXISTING GDRTA POLE TO REMAIN

3 EXISTING JOINT USE TRAFFIC SIGNAL POLE TO REMAIN

4 EXISTING JOINT USE POWER POLE TO REMAIN

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A RELOCATE EXISTING LIGHT FROM EXISTING POLE TO NEW POLE

B RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT FROM EXISTING POLE TO NEW POLE

STATE OF OHIO
WAYNE BROWN
E-88204
REGISTERED PROFESSIONAL ENGINEER

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60%	WEB	2/27/26	
100%	WEB	6/12/26	
IFC	WEB	9/9/26	

DRAWN BY: WB/DG
DATE: 9/9/26
SCALE: AS NOTED

DWG TITLE: ROUTE 1W REBUILD
DEMO AND INSTALL PLANS

SHEET # PLN-021

PREPARED BY: HATCH

Greater Dayton Regional Transit Authority
4 S. Main St. Dayton, Ohio 45402

9/9/2026 11:12 AM

1W-P1-PLN-017-032.dwg

MATCH LINE
SEE DWG PLN-021

MATCH LINE
SEE DWG PLN-023

EX-98
EXISTING POLE
ET-003N(TW HT 18.75')
ET-027D
1 x J8868
1 x J1092

R-180
PROP RTA P-624BLKBC
N: 643384.7926
E: 1482835.3253
2'-0" FROM FOC TO FOP
ET-004 (TW HT 18.75')
ET-027D
1 x PB

EX-99
EXISTING POLE
ET-004 (TW HT 18.75')
ET-027D
1 x J8868
1 x J1092

R-183
PROP RTA P-624BLKBC
N: 643424.5647
E: 1483040.1105
2'-0" FROM FOC TO FOP
ET-004
ET-027D
1 x PB

EX-100
EXISTING POLE
ET-003P
ET-027D
1 x J8868
1 x J1092

93' 102' 121' 87' 92' 102'

91' 105' 119' 89' 95' 99'

87' 110' 113' 91' 99' 94'

NEGATIVE

POSITIVE

W THIRD ST

S MATHISON ST

GROSVENOR AVE

R-179
PROP RTA P-724BLKBC
N: 643309.8553
E: 1482740.7270
2'-0" FROM FOC TO FOP
1 x PB

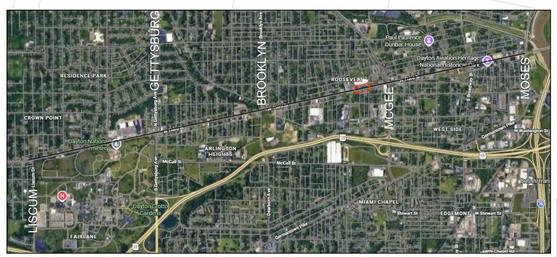
R-181
PROP RTA P-730BLKBC
N: 643331.8603
E: 1482851.6749
2'-0" FROM FOC TO FOP
1 x PB

R-182
PROP RTA P-724BLKBC
N: 643352.9947
E: 1482960.1142
2'-0" FROM FOC TO FOP
1 x PB

R-184
PROP RTA P-730BLKBC
N: 643370.5874
E: 1483050.6131
2'-0" FROM FOC TO FOP
1 x PB

R-185
PROP RTA P-724BLKBC
N: 643390.1306
E: 1483150.3648
2'-0" FROM FOC TO FOP
1 x PB

1 EXISTING GDRTA POLE TO BE REMOVED
2 EXISTING GDRTA POLE TO REMAIN
3 EXISTING JOINT USE TRAFFIC SIGNAL POLE TO REMAIN
4 EXISTING JOINT USE POWER POLE TO REMAIN
5 EXISTING THIRD PARTY POLE TO BE REMOVED AND REPLACED WITH NEW JOINT USE RTA POLE
A RELOCATE EXISTING LIGHT FROM EXISTING POLE TO NEW POLE
B RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT FROM EXISTING POLE TO NEW POLE



KEY MAP

20' 10' 0' 20' 40'
SCALE:1" = 20'

STATE OF OHIO
WAYNE BROWN
E-88204
REGISTERED PROFESSIONAL ENGINEER

Rev	By	Date
60%	WEB	2/27/26
100%	WEB	6/12/26
IFC	WEB	9/9/26

REV DESCRIPTION

DRAWN BY: WB/DG
DATE: 9/9/26
SCALE: AS NOTED

DWG TITLE
ROUTE 1W REBUILD
DEMO AND INSTALL PLANS

SHEET #
PLN-022

PREPARED BY:
HATCH

Greater Dayton Regional Transit Authority
4 S. Main St. Dayton, Ohio 45402

9/9/2026 11:12 AM

1W-P1-PLN-017-032.dwg

CLEMMER ST

N JAMES H McGEE BLVD

W THIRD ST

HAERLIN LN

MATCH LINE
SEE DWG PLN-022

MATCH LINE
SEE DWG PLN-024

SEE SHEET
PLN-124 FOR
ENLARGED DETAIL

R-186
PROP RTA P-624BLKBC
N: 643461.7294
E: 1483230.7356
2'-0" FROM FOC TO FOP
ET-003N
ET-037A
ET-038C
1 x PB

EX-101
EXISTING POLE
ET-004
ET-027D
1 x J8868
1 x J1092

R-189
PROP RTA P-624BLKBC
N: 643496.7581
E: 1483411.3137
2'-0" FROM FOC TO FOP
ET-004 (TW HT 18.75')
ET-027D
1 x PB

EX-102
EXISTING POLE
ET-003P (TW HT 18.75')
ET-027D
1 x J8868
1 x J1092

R-192
PROP RTA P-630BLKBC
N: 643538.1255
E: 1483624.2054
2'-0" FROM FOC TO FOP
ET-003N (TW HT 18.75')
ET-027D
1 x PB

EX-104
EXISTING POLE
ET-004
ET-051
1 x J8868
1 x J1092

R-194
PROP RTA P-430BLKBC
N: 643674.9153
E: 1483719.7524
FRONT OF WALK
ET-003P
ET-023A
ET-052
3 x PB

R-187
PROP RTA P-730BLKBC
N: 643407.3945
E: 1483239.5768
2'-0" FROM FOC TO FOP
1 x PB

R-188
PROP RTA P-724BLKBC
N: 643424.9411
E: 1483330.2497
2'-0" FROM FOC TO FOP
1 x PB

R-190
PROP RTA P-730BLKBC
N: 643442.5658
E: 1483420.6556
2'-0" FROM FOC TO FOP
1 x PB

R-191
PROP RTA P-724BLKBC
N: 643462.6314
E: 1483524.2647
2'-0" FROM FOC TO FOP
1 x PB

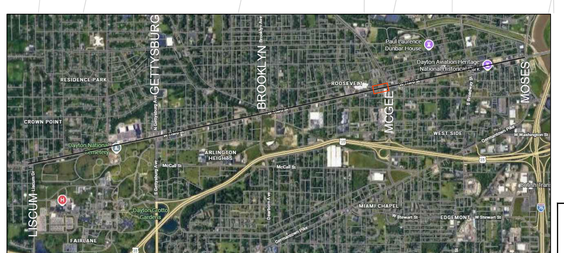
EX-103
EXISTING POLE
1 x PB

R-193
PROP RTA P-724BLKBC
N: 643495.4327
E: 1483693.9899
2'-0" FROM FOC TO FOP
1 x PB

90' 94' 103' 114' 93' 27'
91' 93' 104' 112' 87' 35'
92' 93' 105' 108' 74' 52'

NEGATIVE POSITIVE NEGATIVE

1 EXISTING GDRTA POLE TO BE REMOVED
2 EXISTING GDRTA POLE TO REMAIN
3 EXISTING JOINT USE TRAFFIC SIGNAL POLE TO REMAIN
4 EXISTING JOINT USE POWER POLE TO REMAIN
5 EXISTING THIRD PARTY POLE TO BE REMOVED AND REPLACED WITH NEW JOINT USE RTA POLE
A RELOCATE EXISTING LIGHT FROM EXISTING POLE TO NEW POLE
B RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT FROM EXISTING POLE TO NEW POLE



KEY MAP

20' 10' 0' 20' 40'
SCALE:1" = 20'

STATE OF OHIO
WAYNE BROWN
E-88204
REGISTERED PROFESSIONAL ENGINEER

Rev	By	Date
60%	WEB	2/27/26
100%	WEB	6/12/26
IFC	WEB	9/9/26

REV DESCRIPTION

DRAWN BY: WB/DG
DATE: 9/9/26
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Greater Dayton Regional Transit Authority
4 S. Main St. Dayton, Ohio 45402

PREPARED BY: HATCH

SHEET # PLN-023

DWG TITLE
ROUTE 1W REBUILD
DEMO AND INSTALL PLANS

9/9/2026 11:12 AM

1W-P1-PLN-017-032.dwg

TEMPORARY TERMINATIONS
FOR JAMES H MCGEE TIE-IN

ADD TROLLEY CATCH TO
BUS STOP ID 475 @ JAMES H MCGEE AND W. FIRST

N JAMES H McGEE BLVD

R-195
PROP RTA P-430BLKBC
N: 643665.3380
E: 1483812.2962
FRONT OF WALK
ET-027D
ET-052
4 x PB

SEE SHEET PLN-124 FOR ENLARGED DETAIL

N ANTIOCH ST

EX-111
EXISTING POLE
ET-004
ET-027D
1 x PB

R-197
PROP RTA P-624BLKBC
N: 643623.4061
E: 1484062.0404
2'-0" FROM FOC TO FOP
ET-004
ET-027D
1 x PB

EX-113
EXISTING POLE
ET-003P
ET-027D
1 x J8868
1 x J1092

R-199
PROP RTA P-624BLKBC
N: 643645.3974
E: 1484175.1417
2'-0" FROM FOC TO FOP
ET-003N
ET-037A
ET-038C
1 x PB

R-201
PROP RTA P-624BLKBC
N: 643663.4912
E: 1484268.4927
2'-0" FROM FOC TO FOP
ET-004
ET-027D
1 x PB

EX-114
EXISTING POLE
ET-027D

MATCH LINE
SEE DWG PLN-023

MATCH LINE
SEE DWG PLN-025

W THIRD ST

POSITIVE

NEGATIVE

EX-112
EXISTING POLE
2 x PB

R-198
PROP RTA P-724BLKBC
N: 643573.3374
E: 1484122.7685
2'-0" FROM FOC TO FOP
1 x PB

R-200
PROP RTA P-730BLKBC
N: 643591.3601
E: 1484186.7452
2'-0" FROM FOC TO FOP
1 x PB

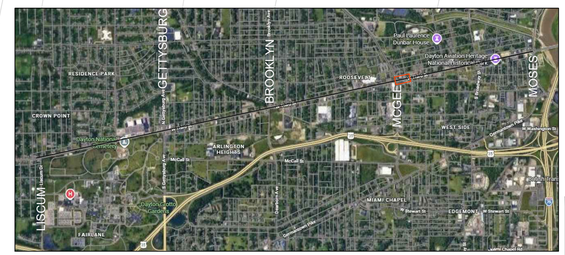
R-202
PROP RTA P-730BLKBC
N: 643607.7691
E: 1484270.2815
2'-0" FROM FOC TO FOP
1 x PB

CONTRACTOR TO COORDINATE REMOVAL OF COLLEGE/EUCLID TURNAROUND.

S JAMES H McGEE BLVD

S ANTIOCH ST

COLLEGE ST



KEY MAP

20' 10' 0' 20' 40'
SCALE:1" = 20'

1 EXISTING GDRTA POLE TO BE REMOVED
2 EXISTING GDRTA POLE TO REMAIN
3 EXISTING JOINT USE TRAFFIC SIGNAL POLE TO REMAIN
4 EXISTING JOINT USE POWER POLE TO REMAIN
5 EXISTING THIRD PARTY POLE TO BE REMOVED AND REPLACED WITH NEW JOINT USE RTA POLE
A RELOCATE EXISTING LIGHT FROM EXISTING POLE TO NEW POLE
B RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT FROM EXISTING POLE TO NEW POLE

STATE OF OHIO
WAYNE BROWN
E-88204
REGISTERED PROFESSIONAL ENGINEER

REV	DESCRIPTION	BY	DATE
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DRAWN BY: WB/DG
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DWG TITLE
ROUTE 1W REBUILD
DEMO AND INSTALL PLANS

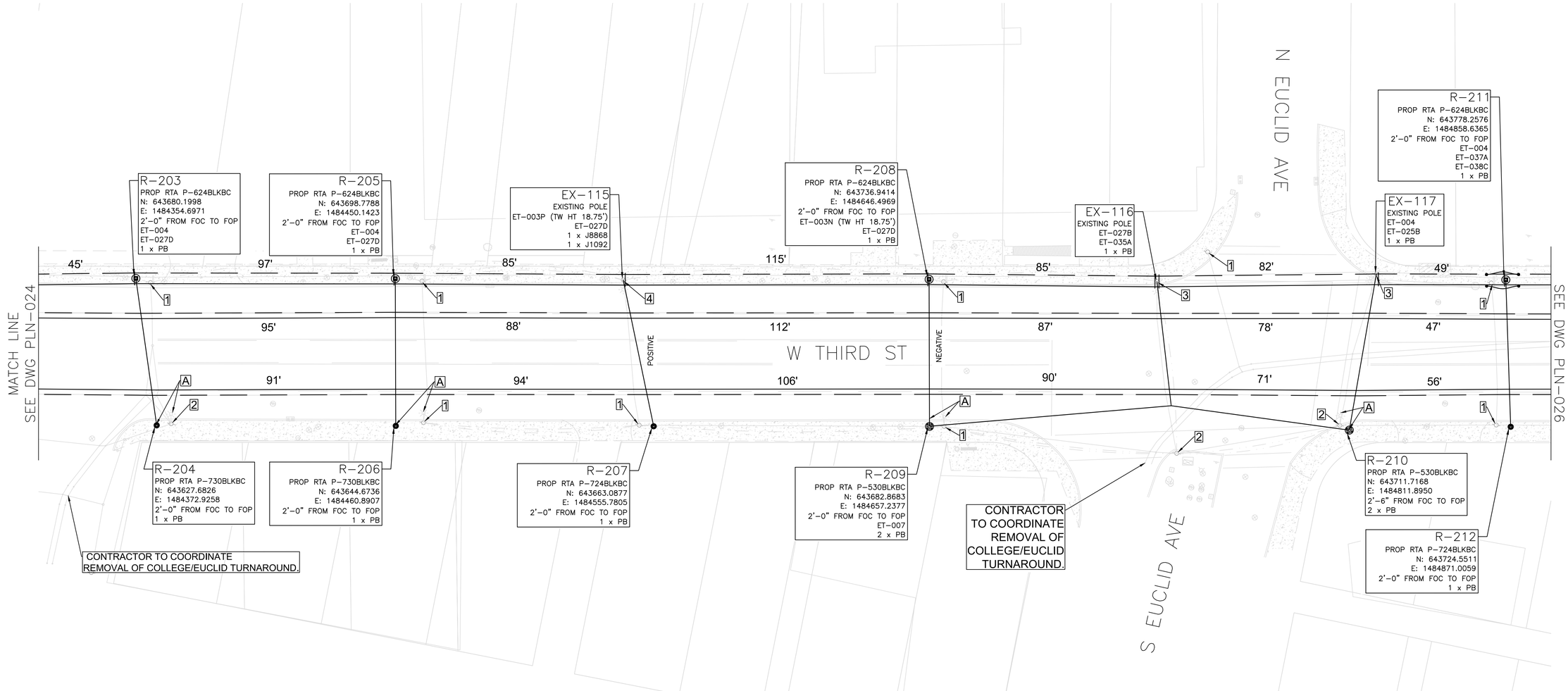
SHEET #
PLN-024

PREPARED BY:
HATCH

Greater Dayton Regional Transit Authority
4 S. Main St. Dayton, Ohio 45402

9/9/2026 11:12 AM

1W-P1-PLN-017-032.dwg



1 EXISTING GDRTA POLE TO BE REMOVED

2 EXISTING GDRTA POLE TO REMAIN

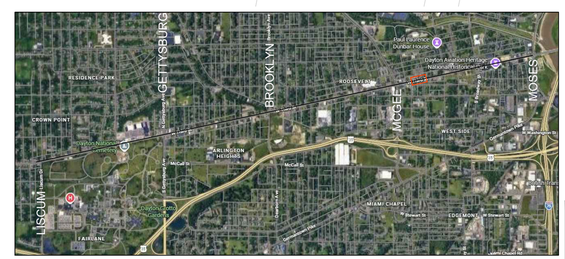
3 EXISTING JOINT USE TRAFFIC SIGNAL POLE TO REMAIN

4 EXISTING JOINT USE POWER POLE TO REMAIN

5 EXISTING THIRD PARTY POLE TO BE REMOVED AND REPLACED WITH NEW JOINT USE RTA POLE

A RELOCATE EXISTING LIGHT FROM EXISTING POLE TO NEW POLE

B RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT FROM EXISTING POLE TO NEW POLE



KEY MAP

20' 10' 0' 20' 40'

SCALE:1" = 20'

Rev	By	Date
60%	WEB	2/27/26
100%	WEB	6/12/26
IFC	WEB	9/9/26

REV DESCRIPTION

STATE OF OHIO
WAYNE BROWN
E-88204
REGISTERED PROFESSIONAL ENGINEER

DRAWN BY: WB/DG
DATE: 9/9/26
SCALE: AS NOTED

DWG TITLE
ROUTE 1W REBUILD
DEMO AND INSTALL PLANS

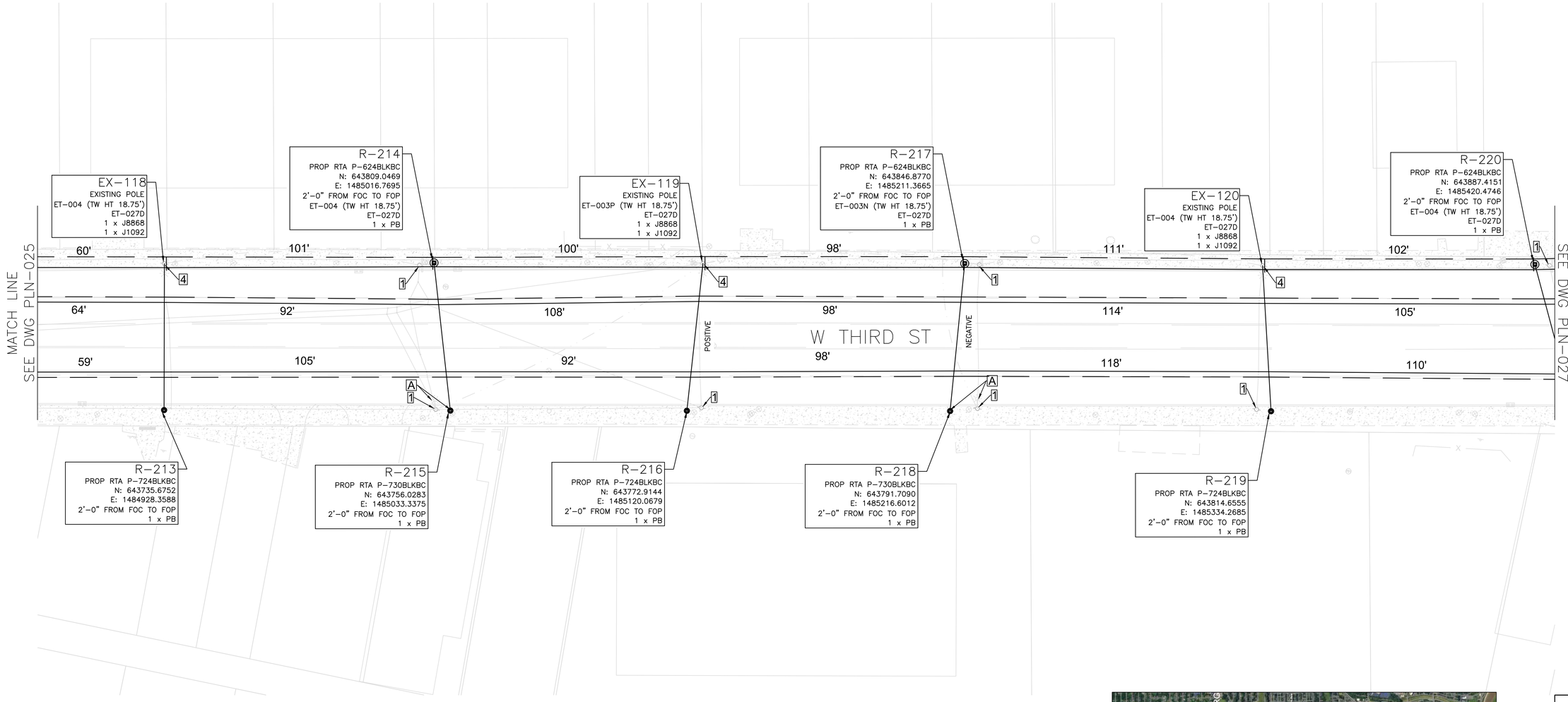
SHEET # PLN-025

PREPARED BY: HATCH

Greater Dayton Regional Transit Authority
4 S. Main St. Dayton, Ohio 45402

9/9/2026 11:12 AM

1W-P1-PLN-017-032.dwg



1 EXISTING GDRTA POLE TO BE REMOVED

2 EXISTING GDRTA POLE TO REMAIN

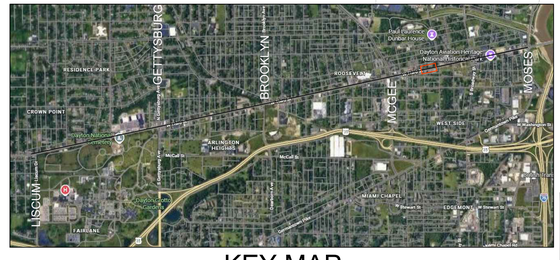
3 EXISTING JOINT USE TRAFFIC SIGNAL POLE TO REMAIN

4 EXISTING JOINT USE POWER POLE TO REMAIN

5 EXISTING THIRD PARTY POLE TO BE REMOVED AND REPLACED WITH NEW JOINT USE RTA POLE

A RELOCATE EXISTING LIGHT FROM EXISTING POLE TO NEW POLE

B RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT FROM EXISTING POLE TO NEW POLE



KEY MAP

20' 10' 0' 20' 40'

SCALE: 1" = 20'

STATE OF OHIO
WAYNE BROWN
E-88204
REGISTERED PROFESSIONAL ENGINEER

REV	DESCRIPTION	By	Date
60%		WEB	2/27/26
100%		WEB	6/12/26
IFC		WEB	9/9/26

DRAWN BY: WB/DG
DATE: 9/9/26
SCALE: AS NOTED

Greater Dayton Regional Transit Authority
4 S. Main St. Dayton, Ohio 45402

PREPARED BY: HATCH

SHEET # PLN-026

DWG TITLE
ROUTE 1W REBUILD
DEMO AND INSTALL PLANS

9/9/2026 11:12 AM

1W-P1-PLN-017-032.dwg

N PAUL LAURENCE DUNBAR ST

MATCH LINE SEE DWG PLN-026

MATCH LINE SEE DWG PLN-028

EX-122
EXISTING POLE
ET-004 (TW HT 18.75')
ET-025A
1 x J8868
1 x J1092

R-221
PROP RTA P-624BLKBC
N: 643925.9781
E: 1485618.0678
2'-0" FROM FOC TO FOP
ET-003P (TW HT 19.25')
ET-037A
ET-038C
1 x PB

EX-125
EXISTING POLE
ET-003N (TW HT 20.25')
ET-027D
1 x J8868
1 x J1092

R-223
PROP RTA P-624BLKBC
N: 643969.0354
E: 1485839.6428
2'-0" FROM FOC TO FOP
ET-004 (TW HT 21.25')
ET-027D
1 x PB

EX-126
EXISTING POLE
ET-027D

R-225
PROP RTA P-630BLKBC
N: 643991.3904
E: 1485951.9136
2'-0" FROM FOC TO FOP
ET-004 (TW HT 22.25')
ET-027D
1 x PB

118' 84' 117' 108' 85' 29'

108' 90' 117' 107' 117'

POSITIVE

NEGATIVE

W THIRD ST

93' 100' 116' 105' 120'

EX-121
EXISTING POLE
1 x PB

EX-123
EXISTING POLE
1 x PB

EX-124
EXISTING POLE
1 x PB

R-222
PROP RTA P-724BLKBC
N: 643894.9302
E: 1485746.7584
2'-0" FROM FOC TO FOP
1 x PB

R-224
PROP RTA P-724BLKBC
N: 643914.6010
E: 1485848.0721
2'-0" FROM FOC TO FOP
1 x PB

R-226
PROP RTA P-730BLKBC
N: 643919.2331
E: 1485973.3214
2'-0" FROM FOC TO FOP
1 x PB

S CONOVER ST

S PAUL LAURENCE DUNBAR ST

1 EXISTING GDRTA POLE TO BE REMOVED

2 EXISTING GDRTA POLE TO REMAIN

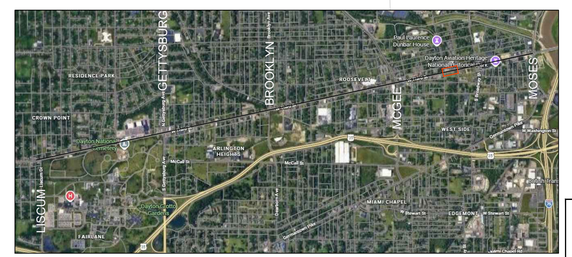
3 EXISTING JOINT USE TRAFFIC SIGNAL POLE TO REMAIN

4 EXISTING JOINT USE POWER POLE TO REMAIN

5 EXISTING THIRD PARTY POLE TO BE REMOVED AND REPLACED WITH NEW JOINT USE RTA POLE

A RELOCATE EXISTING LIGHT FROM EXISTING POLE TO NEW POLE

B RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT FROM EXISTING POLE TO NEW POLE



KEY MAP

20' 10' 0' 20' 40'

SCALE: 1" = 20'

STATE OF OHIO
WAYNE BROWN
E-88204
REGISTERED
PROFESSIONAL ENGINEER

Rev	By	Date
60%	WEB	2/27/26
100%	WEB	6/12/26
IFC	WEB	9/9/26

REV DESCRIPTION

DRAWN BY: WB/DG
DATE: 9/9/26
SCALE: AS NOTED

Greater Dayton Regional Transit Authority
4 S. Main St. Dayton, Ohio 45402

PREPARED BY: HATCH

SHEET # PLN-027

DWG TITLE
ROUTE 1W REBUILD
DEMO AND INSTALL PLANS

9/9/2026 11:12 AM

1W-P1-PLN-017-032.dwg

N CONOVER ST

RR CROSSING

MATCH LINE
SEE DWG PLN-027

MATCH LINE
SEE DWG PLN-029

W THIRD ST

POSITIVE

NEGATIVE

RR CROSSING

EX-127
EXISTING POLE
ET-004 (TW HT 22.5')
ET-027D (26')
1 x J8868
1 x J1092

R-228
PROP RTA P-630BLKBC
N: 644024.7386
E: 1486126.1770
2'-0" FROM FOC TO FOP
ET-003P (TW HT 22.5')
ET-027D (26')
1 x PB

R-230
PROP RTA P-630BLKBC
N: 644039.9294
E: 1486204.1229
2'-0" FROM FOC TO FOP
ET-003N (TW HT 22.25')
ET-027D
1 x PB

R-232
PROP RTA P-630BLKBC
N: 644056.7926
E: 1486290.1685
2'-0" FROM FOC TO FOP
ET-004 (TW HT 21.25')
ET-027D
1 x PB

EX-128
EXISTING POLE
PAINT POLE BLACK
ET-004 (TW HT 20.25')
ET-025A
1 x PB

R-235
PROP RTA P-630BLKBC
N: 644096.8298
E: 1486496.6340
2'-0" FROM FOC TO FOP
ET-004 (TW HT 19.25')
ET-027D
1 x PB

R-227
PROP RTA P-730BLKBC
N: 643956.0594
E: 1486061.5064
2'-0" FROM FOC TO FOP
1 x PB

R-229
PROP RTA P-730BLKBC
N: 643970.6293
E: 1486136.8018
2'-0" FROM FOC TO FOP
1 x PB

R-231
PROP RTA P-730BLKBC
N: 643985.5145
E: 1486213.8231
2'-0" FROM FOC TO FOP
1 x PB

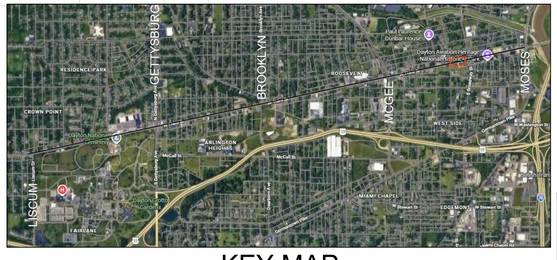
R-233
PROP RTA P-730BLKBC
N: 644003.1989
E: 1486304.5674
2'-0" FROM FOC TO FOP
1 x PB

R-234
PROP RTA P-724BLKBC
N: 644022.3028
E: 1486402.4894
2'-0" FROM FOC TO FOP
1 x PB

R-236
PROP RTA P-724BLKBC
N: 644043.4622
E: 1486511.3079
2'-0" FROM FOC TO FOP
1 x PB

94' 84' 79' 88' 98' 113' 76'
94' 82' 79' 89' 99' 111' 76'
95' 79' 79' 91' 99' 111' 77'

1 EXISTING GDRTA POLE TO BE REMOVED
2 EXISTING GDRTA POLE TO REMAIN
3 EXISTING JOINT USE TRAFFIC SIGNAL POLE TO REMAIN
4 EXISTING JOINT USE POWER POLE TO REMAIN
5 EXISTING THIRD PARTY POLE TO BE REMOVED AND REPLACED WITH NEW JOINT USE RTA POLE
A RELOCATE EXISTING LIGHT FROM EXISTING POLE TO NEW POLE
B RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT FROM EXISTING POLE TO NEW POLE



KEY MAP

20' 10' 0' 20' 40'
SCALE:1" = 20'

REV	DESCRIPTION	By	Date
60%		WEB	2/27/26
100%		WEB	6/12/26
IFC		WEB	9/9/26

STATE OF OHIO
WAYNE BROWN
E-88204
REGISTERED PROFESSIONAL ENGINEER

DRAWN BY: WB/DG
DATE: 9/9/26
SCALE: AS NOTED

DWG TITLE
ROUTE 1W REBUILD
DEMO AND INSTALL PLANS

SHEET # PLN-028

PREPARED BY: HATCH

Greater Dayton Regional Transit Authority
4 S. Main St. Dayton, Ohio 45402

9/9/2026 11:12 AM

1W-P1-PLN-017-032.dwg

TEMPORARY TERMINATIONS FOR BROADWAY TIE-IN

R-239
PROP RTA P-430BLKBC
N: 644219.4352
E: 1486610.9640
2'-0" FROM FOC TO FOP
ET-052
ET-053
2 x PB

R-240
PROP RTA P-430BLKBC
N: 644228.9362
E: 1486659.6669
2'-0" FROM FOC TO FOP
ET-052
ET-053
2 x PB

N BROADWAY ST

EX-130
EXISTING POLE
ET-006
ET-027D
1 x PB

CONTRACTOR TO COORDINATE REMOVAL OF OF BROADWAY AND ROUTE 2 WIRING

R-237
PROP RTA P-624BLKBC
N: 644111.3871
E: 1486571.6353
2'-0" FROM FOC TO FOP
ET-004 (TW HT 18.75')
ET-037A
ET-038C
1 x PB

EX-131
EXISTING POLE.
ET-004
ET-027B
1 x PB

R-241
PROP RTA P-624BLKBC
N: 644141.6474
E: 1486728.4388
2'-0" FROM FOC TO FOP
ET-025A
ET-026
1 x PB

R-243
PROP RTA P-624BLKBC
N: 644156.7485
E: 1486808.8332
IN WALK
ET-025B
ET-026
1 x PB

R-245
PROP RTA P-624BLKBC
N: 644177.4946
E: 1486911.0922
2'-0" FROM FOC TO FOP
ET-003P
ET-025B
1 x PB

R-247
PROP RTA P-624BLKBC
N: 644194.0757
E: 1486999.9356
IN WALK
ET-003N
ET-025B
1 x PB

R-249
PROP RTA P-630BLKBC
N: 644209.9813
E: 1487079.1013
2'-0" FROM FOC TO FOP
ET-004 (TW HT 18.75')
ET-025B
1 x PB

MATCH LINE SEE DWG PLN-028

MATCH LINE SEE DWG PLN-030

45' 79' 35' 82' 104' 90' 81'

44' 82' 34' 84' 101' 99' POSITIVE 88' 87' NEGATIVE 86' 88'

41' 84' 32' 85'

W THIRD ST

S BROADWAY ST

R-238
PROP RTA P-724BLKBC
N: 644058.0609
E: 1486586.8556
2'-0" FROM FOC TO FOP
1 x PB

EX-129
EXISTING POLE
1 x PB

EX-132
EXISTING POLE
1 x PB

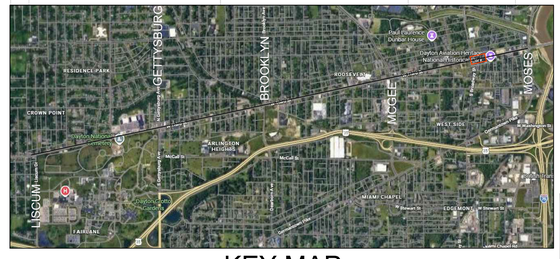
R-242
PROP RTA P-530BLKBC
N: 644088.1958
E: 1486740.5791
2'-0" FROM FOC TO FOP
1 x PB

R-244
PROP RTA P-724BLKBC
N: 644105.0428
E: 1486827.2443
2'-0" FROM FOC TO FOP
1 x PB

R-246
PROP RTA P-724BLKBC
N: 644124.2323
E: 1486920.5997
2'-0" FROM FOC TO FOP
1 x PB

R-248
PROP RTA P-724BLKBC
N: 644139.5847
E: 1487003.7723
2'-0" FROM FOC TO FOP
1 x PB

R-250
PROP RTA P-730BLKBC
N: 644157.4441
E: 1487095.6722
2'-0" FROM FOC TO FOP
1 x PB



KEY MAP

20' 10' 0' 20' 40'

SCALE:1" = 20'

1 EXISTING GDRTA POLE TO BE REMOVED

2 EXISTING GDRTA POLE TO REMAIN

3 EXISTING JOINT USE TRAFFIC SIGNAL POLE TO REMAIN

4 EXISTING JOINT USE POWER POLE TO REMAIN

5 EXISTING THIRD PARTY POLE TO BE REMOVED AND REPLACED WITH NEW JOINT USE RTA POLE

A RELOCATE EXISTING LIGHT FROM EXISTING POLE TO NEW POLE

B RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT FROM EXISTING POLE TO NEW POLE

STATE OF OHIO
WAYNE BROWN
E-88204
REGISTERED PROFESSIONAL ENGINEER

Rev	By	Date
60%	WEB	2/27/26
100%	WEB	6/12/26
IFC	WEB	9/9/26

REV DESCRIPTION

DRAWN BY: WB/DG
DATE: 9/9/26
SCALE: AS NOTED

DWG TITLE
ROUTE 1W REBUILD
DEMO AND INSTALL PLANS

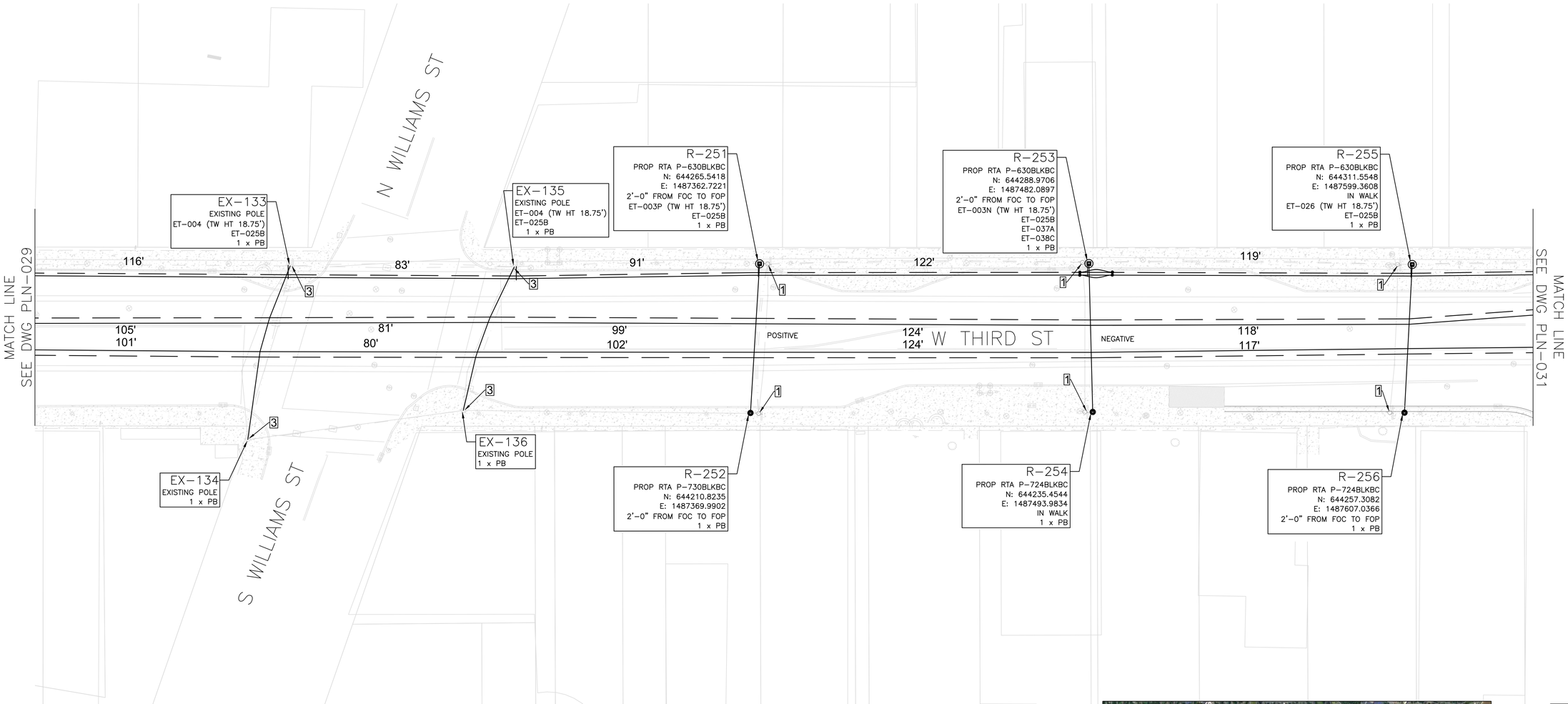
SHEET #
PLN-029

PREPARED BY:
HATCH

Greater Dayton Regional Transit Authority
4 S. Main St. Dayton, Ohio 45402

9/9/2026 11:13 AM

1W-P1-PLN-017-032.dwg



1 EXISTING GDRTA POLE TO BE REMOVED

2 EXISTING GDRTA POLE TO REMAIN

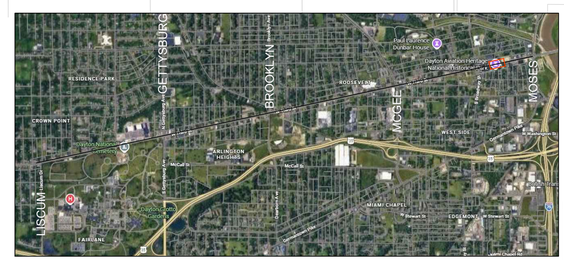
3 EXISTING JOINT USE TRAFFIC SIGNAL POLE TO REMAIN

4 EXISTING JOINT USE POWER POLE TO REMAIN

5 EXISTING THIRD PARTY POLE TO BE REMOVED AND REPLACED WITH NEW JOINT USE RTA POLE

A RELOCATE EXISTING LIGHT FROM EXISTING POLE TO NEW POLE

B RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT FROM EXISTING POLE TO NEW POLE



KEY MAP

20' 10' 0' 20' 40'

SCALE:1" = 20'

REV	DESCRIPTION	BY	DATE
60%		WEB	2/27/26
100%		WEB	6/12/26
IFC		WEB	9/9/26

STATE OF OHIO
WAYNE BROWN
E-88204
REGISTERED PROFESSIONAL ENGINEER

DRAWN BY: WB/DG
DATE: 9/9/26
SCALE: AS NOTED

Greater Dayton Regional Transit Authority
4 S. Main St. Dayton, Ohio 45402

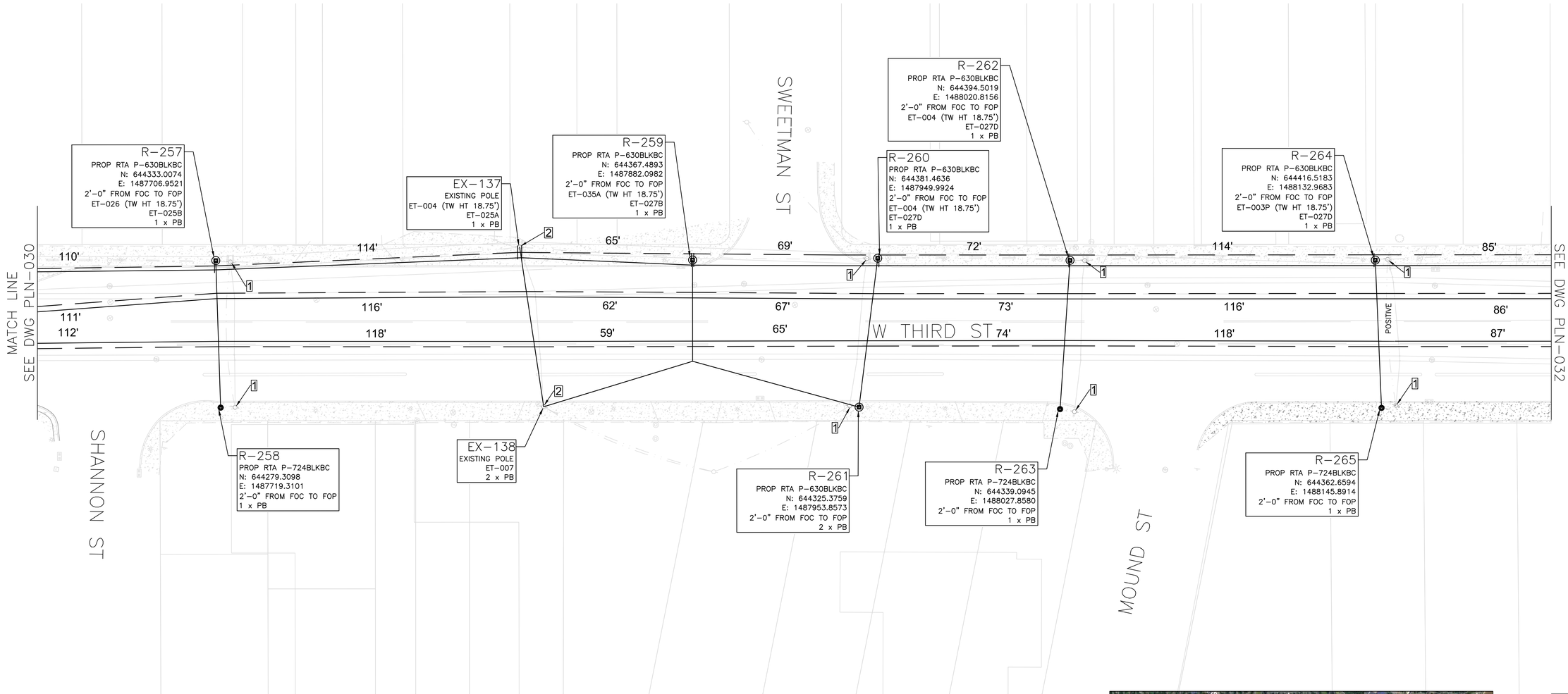
DWG TITLE
ROUTE 1W REBUILD
DEMO AND INSTALL PLANS

SHEET # PLN-030

PREPARED BY: HATCH

9/9/2026 11:13 AM

1W-P1-PLN-017-032.dwg



1 EXISTING GDRTA POLE TO BE REMOVED

2 EXISTING GDRTA POLE TO REMAIN

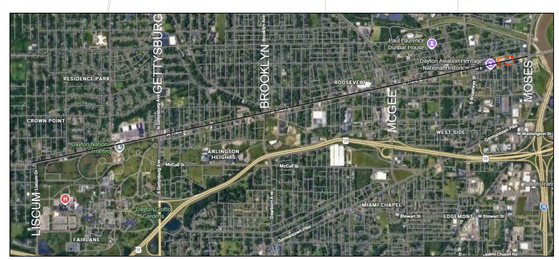
3 EXISTING JOINT USE TRAFFIC SIGNAL POLE TO REMAIN

4 EXISTING JOINT USE POWER POLE TO REMAIN

5 EXISTING THIRD PARTY POLE TO BE REMOVED AND REPLACED WITH NEW JOINT USE RTA POLE

A RELOCATE EXISTING LIGHT FROM EXISTING POLE TO NEW POLE

B RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT FROM EXISTING POLE TO NEW POLE



KEY MAP

20' 10' 0' 20' 40'

SCALE:1" = 20'

REV DESCRIPTION

Rev	By	Date
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100%	WEB	6/12/26
IFC	WEB	9/9/26

STATE OF OHIO
WAYNE BROWN
E-88204
REGISTERED PROFESSIONAL ENGINEER

DRAWN BY: WB/DG
DATE: 9/9/26
SCALE: AS NOTED

DWG TITLE
ROUTE 1W REBUILD
DEMO AND INSTALL PLANS

SHEET #
PLN-031

PREPARED BY:
HATCH

Greater Dayton Regional Transit Authority
4 S. Main St. Dayton, Ohio 45402

9/9/2026 11:13 AM

1W-P1-PLN-017-032.dwg

MATCH LINE
SEE DWG PLN-031

GRIMES ST

W THIRD ST

HORACE ST

S EDWIN C MOSES BLVD

R-266
PROP RTA P-630BLKBC
N: 644432.9417
E: 1488216.7183
2'-0" FROM FOC TO FOP
ET-026
ET-027D
1 x PB

R-267
PROP RTA P-730BLKBC
N: 644379.5876
E: 1488231.7164
2'-0" FROM FOC TO FOP
1 x PB

R-268
PROP RTA P-630BLKBC
N: 644451.8399
E: 1488313.1086
2'-0" FROM FOC TO FOP
ET-003N
ET-037A
ET-038C
1 x PB

R-269
PROP RTA P-724BLKBC
N: 644398.4640
E: 1488328.1115
2'-0" FROM FOC TO FOP
1 x PB

R-270
PROP RTA P-530BLKBC
N: 644465.5847
E: 1488379.5945
2'-0" FROM FOC TO FOP
ET-014A
ET-026
ET-027D
3 x PB

R-271
PROP RTA P-530BLKBC
N: 644412.2974
E: 1488399.2220
2'-0" FROM FOC TO FOP
2 x PB

R-272
PROP RTA P-430BLKBC
N: 644480.9519
E: 1488460.2687
2'-0" FROM FOC TO FOP
ET-018
ET-022A
ET-027D
ET-052
5 x PB

R-273
PROP RTA P-430BLKBC
N: 644426.7872
E: 1488474.6580
2'-3" FROM FOC TO FOP
ET-007
ET-017B
ET-018
ET-022A
ET-052
1 x J930
6 x PB

R-274
PROP RTA
P-430BLKBC
N: 644426.1241
E: 1488519.7337
IN WALK
ET-014A
ET-014A
ET-052
4 x PB

R-275
PROP RTA
P-430BLKBC
N: 644554.1288
E: 1488748.4028
BACK OF WALK
ET-004
ET-009
ET-023A
1 x PB
RELOCATE UNDERGROUND
FEEDER

EX-139
EXISTING POLE
ET-027B

EX-140
EXISTING POLE

EX-141
EXISTING POLE
ET-024 (27')
1 x PB

EX-142
EXISTING POLE
1 x PB

EX-143
EXISTING POLE
ET-024 (27')
1 x PB

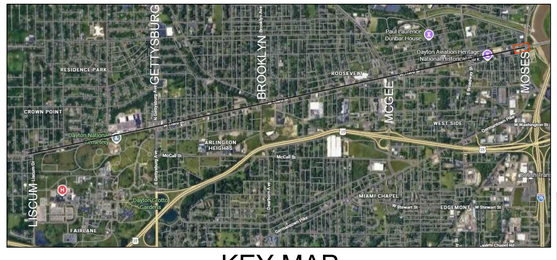
EX-144
EXISTING POLE
1 x PB

EX-145
EXISTING POLE
1 x PB

98' 68' 82' 81' 27' 126' 64'
98' 69' 81' 84'
99' 72' 78' 82'

ADD TROLLEY CATCH TO
BUS STOP ID 95 @ W. THIRD ST AND BANK ST (OLD ROAD)

1 EXISTING GDRTA POLE TO BE REMOVED
2 EXISTING GDRTA POLE TO REMAIN
3 EXISTING JOINT USE TRAFFIC SIGNAL POLE TO REMAIN
4 EXISTING JOINT USE POWER POLE TO REMAIN
5 EXISTING THIRD PARTY POLE TO BE REMOVED AND REPLACED WITH NEW JOINT USE RTA POLE
A RELOCATE EXISTING LIGHT FROM EXISTING POLE TO NEW POLE
B RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT FROM EXISTING POLE TO NEW POLE



KEY MAP

20' 10' 0' 20' 40'
SCALE:1" = 20'

Rev	By	Date
60%	WEB	2/27/26
100%	WEB	6/12/26
IFC	WEB	9/9/26

REV DESCRIPTION

STATE OF OHIO
WAYNE BROWN
E-88204
REGISTERED PROFESSIONAL ENGINEER

DRAWN BY: WB/DG
DATE: 9/9/26
SCALE: AS NOTED

PREPARED BY: HATCH

SHEET # PLN-032

DWG TITLE
ROUTE 1W REBUILD
DEMO AND INSTALL PLANS

Greater Dayton Regional Transit Authority
4 S. Main St. Dayton, Ohio 45402

9/9/2026 11:13 AM

1W-P1-PLN-017-032.dwg

MATCH LINE
SEE DWG PLN-006

MATCH LINE
SEE DWG PLN-005

MATCH LINE
SEE DWG PLN-006

ELMHURST RD

W THIRD ST

R-39
PROP RTA P-430BLKBC
N: 641631.3677
E: 1473775.8210
BACK OF WALK
ET-004
ET-037A
ET-038C
2 x 19360
2 x 5665
3 x PB

R-40
PROP RTA P-530BLKBC
N: 641566.2735
E: 1473788.3763
2'-0" FROM FOC TO FOP
3 x PB

R-41
PROP RTA
P-430BLKBC
N: 641646.0955
E: 1473859.6437
BACK OF WALK
ET-027B
4 x PB

R-42
PROP RTA P-430BLKBC
N: 641670.6308
E: 1473880.9029
BACK OF WALK
6 x PB

R-43
PROP RTA P-430BLKBC
N: 641753.0979
E: 1473873.4308
BACK OF WALK
ET-052
4 x PB

CONTROL CABINET
19655 (AS REQ'D)
17706 (AS REQ'D)

R-44
PROP RTA P-430BLKBC
N: 641747.9789
E: 1473944.2595
BACK OF WALK
ET-027D
ET-052
4 x PB

R-45
PROP RTA P-430BLKBC
N: 641684.6991
E: 1473944.0040
BACK OF WALK
ET-051
ET-053
4 x PB

R-46
PROP RTA P-430BLKBC
N: 641663.3035
E: 1473958.7327
BACK OF WALK
ET-027D
3 x PB

CONTROL CABINET
19655 (AS REQ'D)
17706 (AS REQ'D)

R-47
PROP RTA P-430BLKBC
N: 641584.6110
E: 1473930.0095
BACK OF WALK
4 x PB

R-48
PROP RTA P-430BLKBC
N: 641592.8699
E: 1473972.9795
BACK OF WALK
4 x PB

R-49
PROP RTA P-430BLKBC
N: 641673.4720
E: 1474013.5480
BACK OF WALK
ET-004
ET-027D
5 x PB

R-50
PROP RTA P-430BLKBC
N: 641603.0522
E: 1474029.5579
BACK OF WALK
4 x PB

EX-19
EXISTING POLE
3 x PB

EX-20
EXISTING POLE
1 x J8868
1 x J1092

EX-23
EXISTING POLE
ET-027B
1 x J8868
1 x J1092

EX-24
EXISTING POLE
ET-027D

ET-004
4 x 19360
4 x 5655
1 x J930

ET-017B
4 x 19360
4 x 5655
1 x J930

ET-014B
1 x J930

85'
77'
97'
91'
85'
65'
12'
51'
61'

SCALE:1" = 10'

REV	DESCRIPTION	By	Date
60%		WEB	2/27/26
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IFC		WEB	9/9/26

STATE OF OHIO
WAYNE BROWN
E-88204
REGISTERED PROFESSIONAL ENGINEER

DRAWN BY: WB/DG
DATE: 9/9/26
SCALE: AS NOTED

PREPARED BY:
HATCH

Greater Dayton Regional Transit Authority
4 S. Main St. Dayton, Ohio 45402

rta

DWG TITLE
ROUTE 1W REBUILD
ELMHURST/WESTON HUB

SHEET #
PLN-106

9/9/2026 11:13 AM
1W-P1-PLN-106.dwg

R-67
PROP RTA P-430BLKBC
N: 641956.6830
E: 1475459.5384
BACK OF WALK
ET-004 (TW HT 18.75')
ET-027B
4 x PB

R-68
PROP RTA P-530BLKBC
N: 641888.6610
E: 1475474.3787
BACK OF WALK
3 x PB

R-69
PROP RTA P-530BLKBC
N: 641980.5170
E: 1475565.3141
BACK OF WALK
ET-025A
1 x PB

R-72
PROP RTA P-530BLKBC
N: 642018.5379
E: 1475658.6103
BACK OF WALK
2 x PB

EX-41
EXISTING POLE
1 x PB

EX-42
EXISTING POLE
ET-004
ET-024
2 x PB

EX-38
EXISTING POLE
3 x PB
CONTROL CABINET
19655 (AS REQ'D)
17706 (AS REQ'D)

EX-39
EXISTING POLE
ET-004
2 x PB

EX-40
EXISTING POLE
ET-027D
2 x PB

EX-43
EXISTING POLE
ET-023A
JUMPER NEW FEEDER CABLE TO EXISTING
3 x PB

MATCH LINE
SEE DWG PLN-008

MATCH LINE
SEE DWG PLN-009

SEE DWG PLN-009
MATCH LINE

N GETTYSBURG

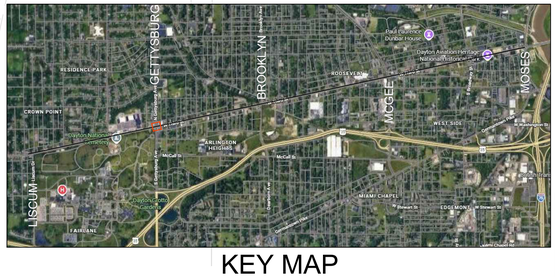
W THIRD ST

S GETTYSBURG AV

108'
101'
92'
103'
74'
84'
51'
60'

ET-007
ET-014A
ET-022A
1 x J930
ET-046(R)C
N: 641953.3505
E: 1475557.3428
ET-045(R)C
N: 641924.1776
E: 1475545.6290
ET-055C
N: 641942.5283
E: 1475591.3822
ET-056
ET-047A
N: 641934.7602
E: 1475597.5558
ET-055C
N: 641916.1825
E: 1475571.6629
ET-056
ET-055C
ET-014A
N: 641914.2983
E: 1475613.8222
ET-014B
1 x J930
ET-055B
N: 641900.2825
E: 1475587.2135
ET-012
ET-055B
ET-014B
1 x J930
N: 641876.0803
E: 1475597.3347
ET-012

1 EXISTING GDRTA POLE TO BE REMOVED
2 EXISTING GDRTA POLE TO REMAIN
3 EXISTING JOINT USE TRAFFIC SIGNAL POLE TO REMAIN
4 EXISTING JOINT USE POWER POLE TO REMAIN
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A RELOCATE EXISTING LIGHT FROM EXISTING POLE TO NEW POLE
B RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT FROM EXISTING POLE TO NEW POLE



KEY MAP

10' 5' 0' 10' 20'
SCALE:1" = 10'

Rev	By	Date
60%	WEB	2/27/26
100%	WEB	6/12/26
IFC	WEB	9/9/26

REV DESCRIPTION

STATE OF OHIO
WAYNE BROWN
E-88204
REGISTERED PROFESSIONAL ENGINEER

DRAWN BY: WB/DG
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Greater Dayton Regional Transit Authority
4 S. Main St. Dayton, Ohio 45402

rta

DWG TITLE
ROUTE 1W REBUILD
N GETTYSBURG

SHEET #
PLN-109

PREPARED BY:
HATCH

9/9/2026 11:13 AM

1W-P1-PLN-109.dwg

MATCH LINE
SEE DWG PLN–024

JAMES H McGEE

43'

99'

N: 643627.9562
E: 1483815.3001

ET–014A

ET–055B

ET–014A

EX–107
EXISTING POLE
6 x PB

3

ET–014A

N: 643603.0561
E: 1483843.9365

EX–105
EXISTING POLE
ET–004
ET–024
4 x PB

3

ET–014A

ET–055B

ET–014A

EX–109
EXISTING POLE
ET–004
ET–027B
ET–051
2 x J8868
2 x J1092

CONTROL CABINET
19655 (AS REQ'D)
17706 (AS REQ'D)

N: 643578.7731
E: 1483799.9522

ET–055B

ET–014A

63'

ET–014B

57'

57'

ET–022B

66'

4

MATCH LINE
SEE DWG PLN–023

N: 643561.5411
E: 1483814.6771

N: 643578.5453
E: 1483903.2588

70'

ET–047C

91'

ET–045(R)B

16'

76'

N: 643554.1522
E: 1483820.9791

ET–022B

ET–014A

ET–014A

W THIRD ST

ET–014A

ET–022A

ET–024

101'

76'

N: 643542.1111
E: 1483852.9326

ET–046(R)B

ET–017C

ET–022B

2

1

ET–014A

EX–110
EXISTING POLE
4 x PB

ET–018

R–196
PROP RTA P–530BLKBC
N: 643547.6561
E: 1483962.1113
2'–0" FROM FOC TO FOP
2 x PB

EX–106
EXISTING POLE
6 x PB

3

EX–108
EXISTING POLE
3 x PB

3

10' 5' 0' 10' 20'
SCALE:1" = 10'

STATE OF OHIO
WAYNE BROWN
E-88204
REGISTERED PROFESSIONAL ENGINEER

REV DESCRIPTION

Rev	By	Date
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100%	WEB	6/12/26
IFC	WEB	9/9/26

DRAWN BY: WB/DG
DATE: 9/9/26
SCALE: AS NOTED

DWG TITLE
ROUTE 1W REBUILD
JAMES H McGEE

SHEET #
PLN–124

PREPARED BY:
HATCH

Greater Dayton Regional Transit Authority
4 S. Main St. Dayton, Ohio 45402

rta

1W-P1-PLN-124.dwg
9/9/2026 11:13 AM