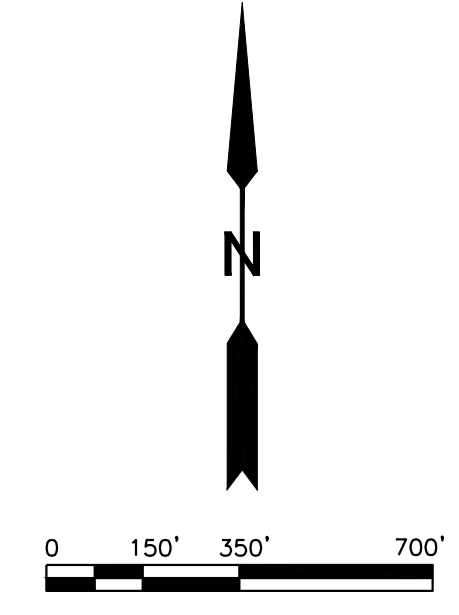


LEGEND

- ZONE AE (FLOODWAY)
- ZONE AE (FLOODPLAIN)
- ZONE X (0.2% ANNUAL CHANCE)
- ZONE X (MINIMAL FLOOD HAZARD)
- EARTHEN LEVEE
- I-WALL
- T-WALL
- L-WALL
- CANAL GATE
- ROADWAY GATE
- GATE



FLOOD PROTECTION SYSTEM DATA

| START STA. | END STA. | LENGTH | TYPE | DESIGN EL. (TOW) |
|------------|----------|--------|--------------|------------------|
| 0+85 | 1+63 | 78 | Canal Gate | 718.25 |
| 1+63 | 28+67 | 2704 | Levee | 715.2-716.3 |
| 28+67 | 29+39 | 72 | T-Wall | 716.3 |
| 29+39 | 29+63 | 24 | Roadway Gate | 716.3 |
| 29+63 | 30+51 | 88 | T-Wall | 716.3 |
| 30+51 | 37+46 | 695 | Levee | 716.4 |
| 37+46 | 43+35 | 589 | I-Wall | 716.8 |
| 43+35 | 45+85 | 250 | L-Wall | 717.2 |
| 45+85 | 47+67 | 182 | I-Wall | 717.4 |
| 47+67 | 55+48 | 781 | Levee | 718.1 |
| 55+48 | 57+40 | 192 | I-Wall | 718.2 |
| 57+40 | 66+69 | 930 | Levee | 718.6 |
| 66+69 | 70+21 | 352 | I-Wall | 718.9 |
| 70+21 | 81+07 | 1085 | Levee | 719.1 |
| 81+07 | 83+30 | 223 | I-Wall | 719.1 |
| 83+30 | 86+22 | 293 | Levee | 719.2 |
| 86+22 | 88+73 | 251 | I-Wall | 719.3 |
| 88+73 | 91+37 | 264 | Levee | 719.5 |
| 91+37 | 92+47 | 110 | T-Wall | 719.5 |
| 92+47 | 92+59 | 12 | Gate | 719.5 |
| 92+59 | 93+06 | 47 | T-Wall | 719.5 |
| 93+06 | 96+01 | 295 | I-Wall | 719.6 |
| 96+01 | 97+76 | 175 | Levee | 720 |

OVERALL SITE PLAN

WHITE RIVER - ROCKY RIPPLE FLOOD CONTROL IMPROVEMENT DISTRICT FLOOD RISK REDUCTION PROJECT

ARCADIS US, Inc.
150 W. Market Street
Indianapolis, IN 46204
(317) 231-6500
ARCADIS JOB NO. 30082741

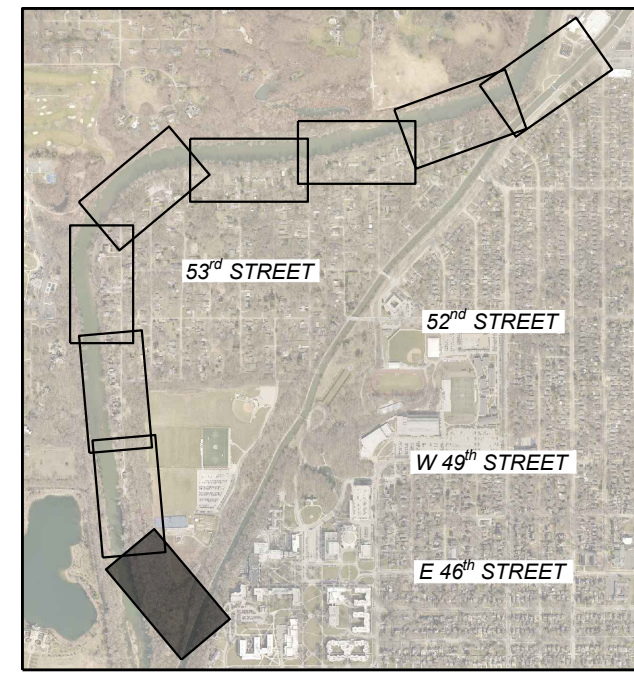
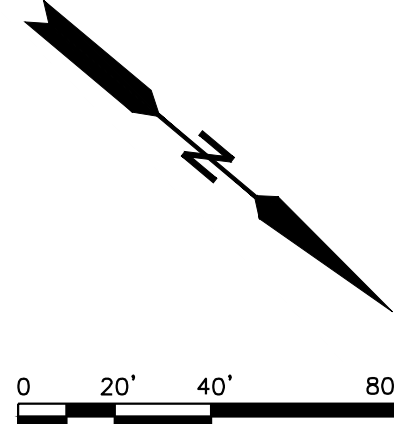
Department of Public Works
City of Indianapolis
1200 Madison Avenue, Ste 200
Indianapolis, IN 46225

DESIGNED BY: _____
DRAWN BY: _____
CHECKED BY: _____
REVIEWED BY: _____
DATE: OCTOBER, 2022

PRELIMINARY
NOT FOR CONSTRUCTION

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| NO. | REVISION | DATE | BY |
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DRAWING
G-100



KEY PLAN
SCALE: 1" = 2000'

| LEGEND | |
|--------|---------------------|
| | CONSTRUCTION LIMITS |
| | ROAD RIGHT-OF-WAY |
| | PROPERTY LINE |
| | EARTHEN LEVEE |
| | I-WALL |
| | T-WALL |
| | L-WALL |
| | CANAL GATE |
| | ROADWAY GATE |
| | GATE |
| | EMBANKMENT SLOPE |

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| | FULL ACQUISITION |
| | PARTIAL ACQUISITION |
| | PERMANENT EASEMENT |

| NO. | REVISION | DATE | BY |
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DESIGNED BY: _____
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 REVIEWED BY: _____
 DATE: NOVEMBER 2022

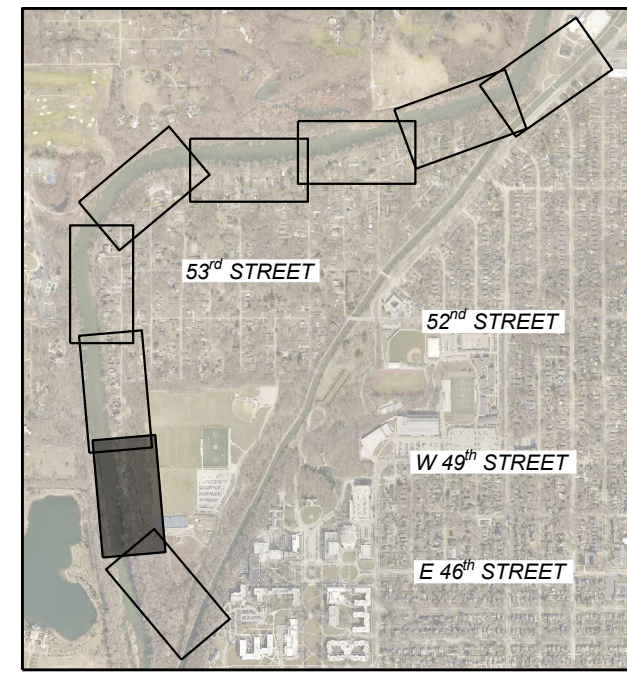
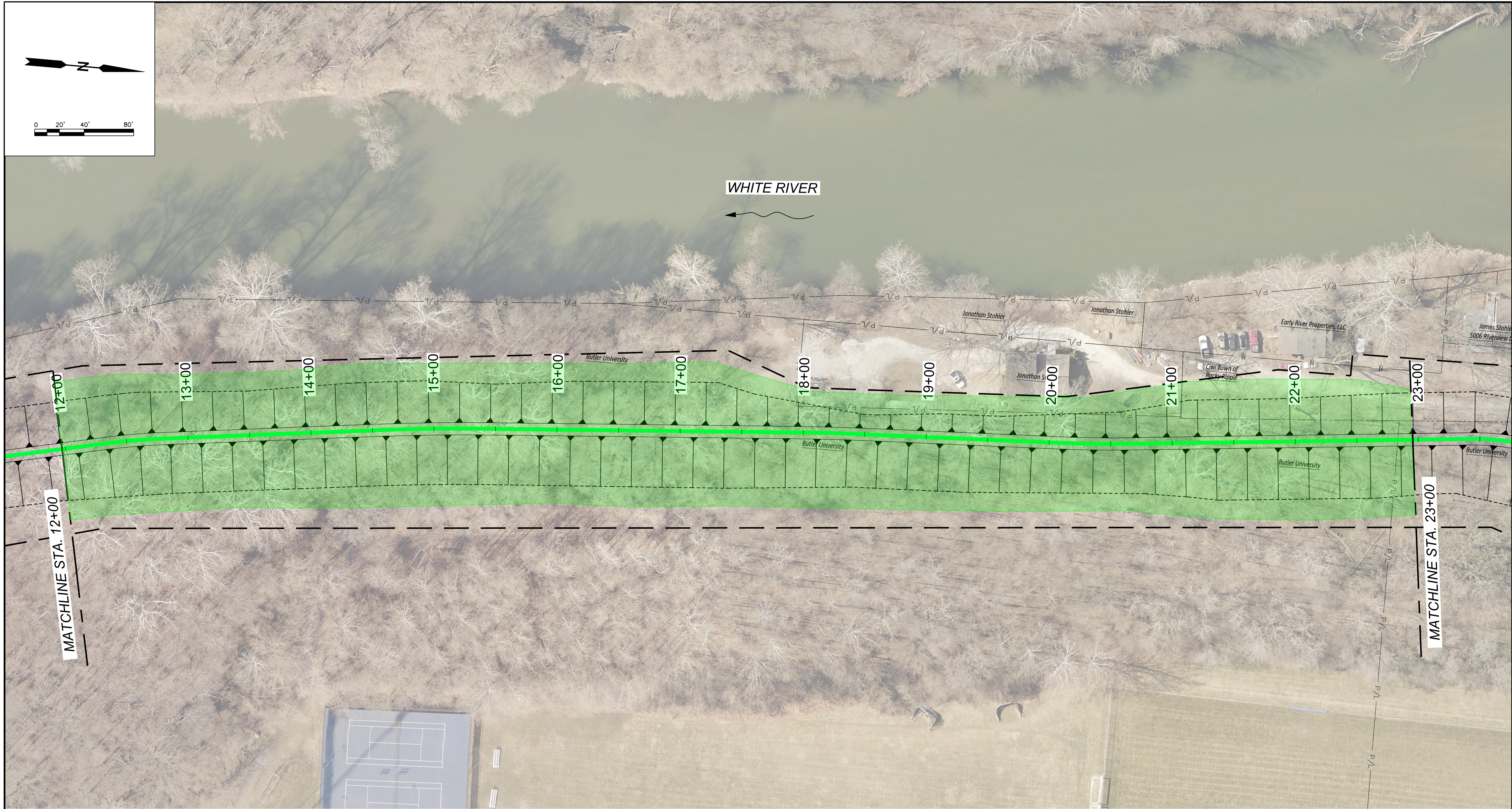
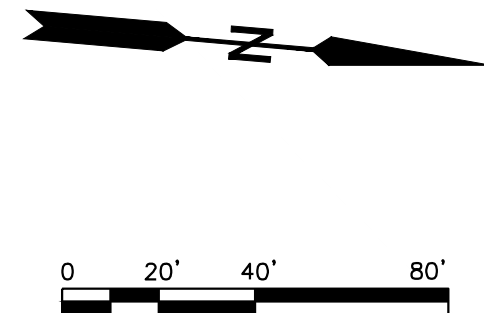
PRELIMINARY
NOT FOR CONSTRUCTION

Department of Public Works
 City of Indianapolis
 1200 Madison Avenue, Ste 200
 Indianapolis, IN 46225

ARCADIS
 Arcadis US, Inc.
 150 W. Market Street
 Indianapolis, IN 46204
 (317) 231-6500
 ARCADIS JOB NO. 30082741

WHITE RIVER - ROCKY RIPPLE FLOOD CONTROL
 IMPROVEMENT DISTRICT
 FLOOD RISK REDUCTION PROJECT

AERIAL PHOTOGRAPH
 STA. 0+00 TO STA. 12+00



KEY PLAN
SCALE: 1" = 2000'

| LEGEND | |
|--------|---------------------|
| | CONSTRUCTION LIMITS |
| | ROAD RIGHT-OF-WAY |
| | PROPERTY LINE |
| | EARTHEN LEVEE |
| | I-WALL |
| | T-WALL |
| | L-WALL |
| | CANAL GATE |
| | ROADWAY GATE |
| | GATE |
| | EMBANKMENT SLOPE |

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| | FULL ACQUISITION |
| | PARTIAL ACQUISITION |
| | PERMANENT EASEMENT |

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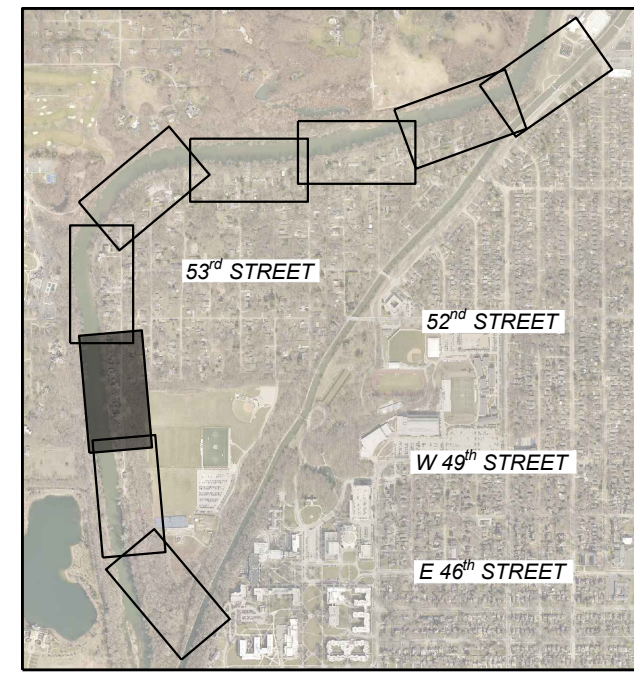
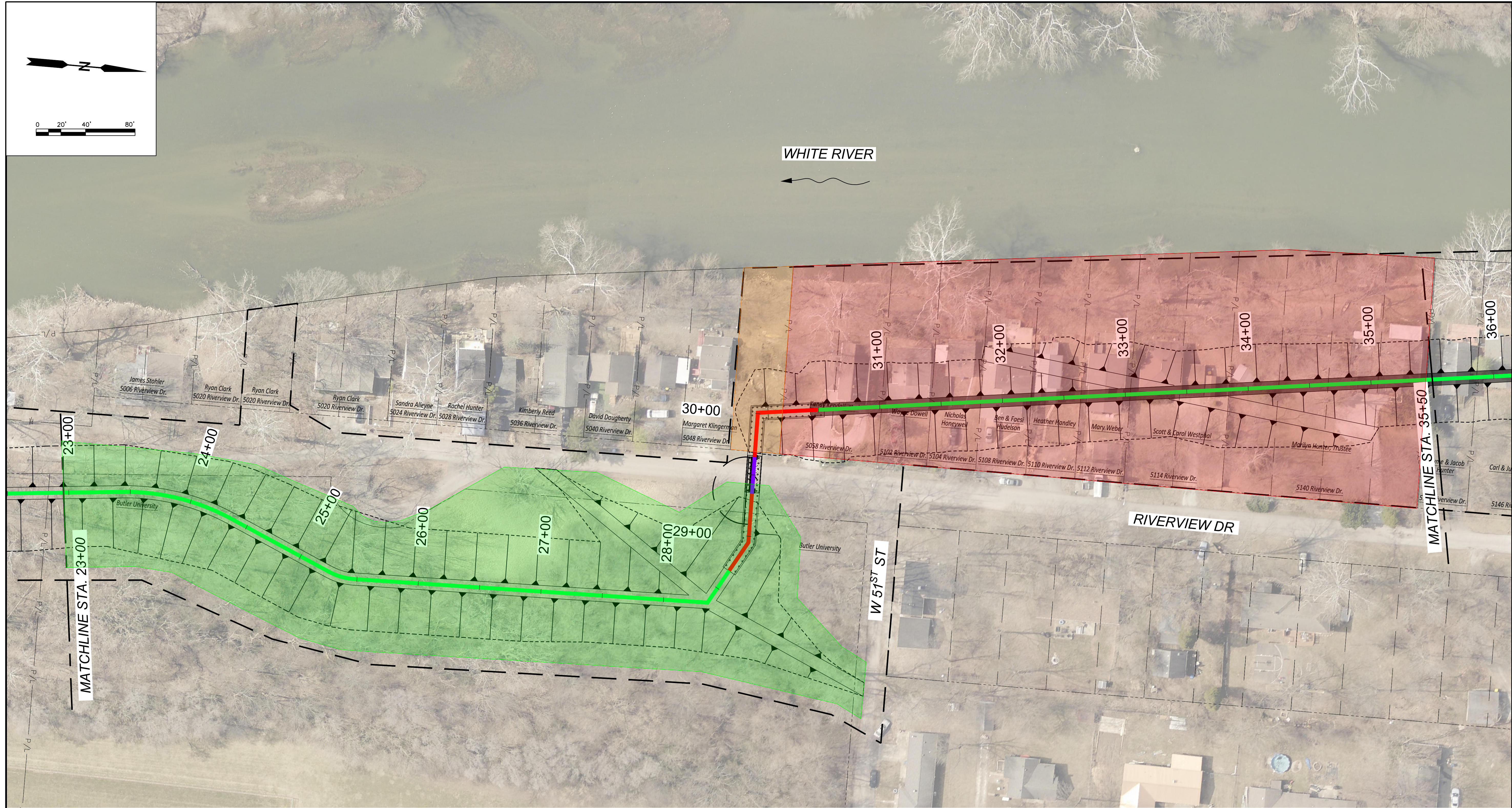
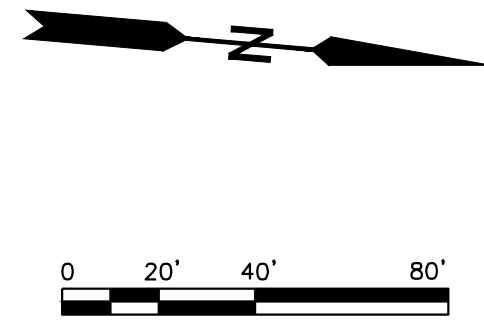
DESIGNED BY: _____
 DRAWN BY: _____
 CHECKED BY: _____
 REVIEWED BY: _____
 DATE: NOVEMBER 2022

Department of Public Works
 City of Indianapolis
 1200 Madison Avenue, Ste 200
 Indianapolis, IN 46225

ARCADIS
 Arcadis US, Inc.
 150 W. Market Street
 Indianapolis, IN 46204
 (317) 231-6500
 ARCADIS JOB NO. 30082741

WHITE RIVER - ROCKY RIPPLE FLOOD CONTROL
 IMPROVEMENT DISTRICT
 FLOOD RISK REDUCTION PROJECT

AERIAL PHOTOGRAPH
 STA. 12+00 TO STA. 23+00



KEY PLAN
SCALE: 1" = 2000'

| LEGEND | |
|--------|---------------------|
| | CONSTRUCTION LIMITS |
| | ROAD RIGHT-OF-WAY |
| | P/L PROPERTY LINE |
| | EARTHEN LEVEE |
| | I-WALL |
| | T-WALL |
| | L-WALL |
| | CANAL GATE |
| | ROADWAY GATE |
| | GATE |
| | EMBANKMENT SLOPE |

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| | FULL ACQUISITION |
| | PARTIAL ACQUISITION |
| | PERMANENT EASEMENT |

| NO. | REVISION | DATE | BY |
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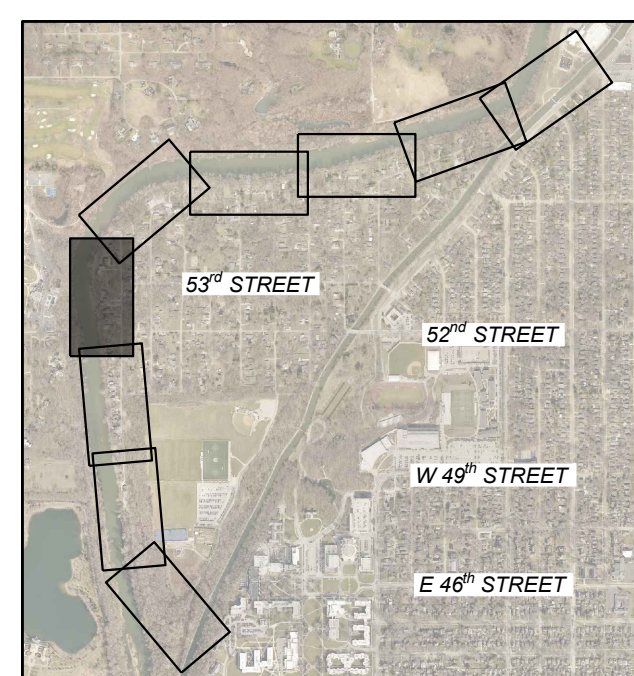
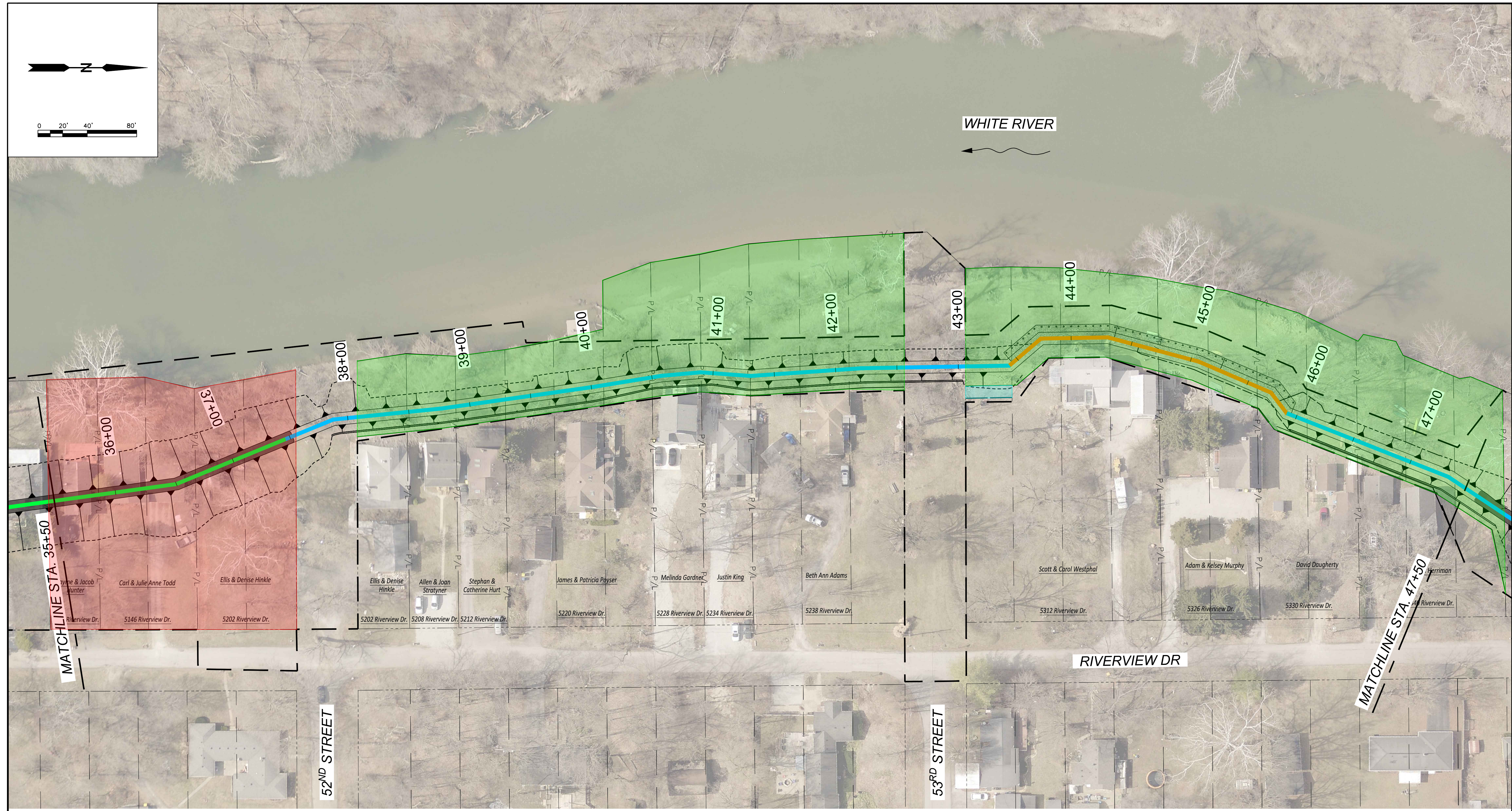
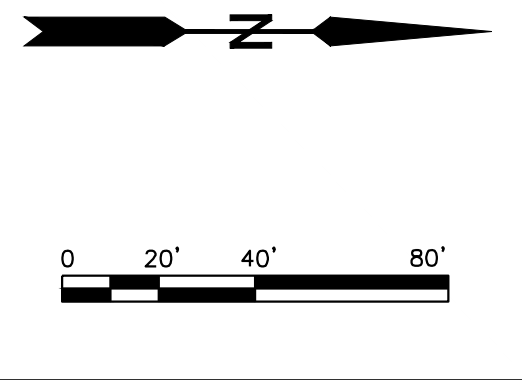
DESIGNED BY: _____
 DRAWN BY: _____
 CHECKED BY: _____
 REVIEWED BY: _____
 DATE: NOVEMBER 2022

Department of Public Works
 City of Indianapolis
 1200 Madison Avenue, Ste 200
 Indianapolis, IN 46225

ARCADIS
 BURKE
 Arcadis US, Inc.
 150 W. Market Street
 Indianapolis, IN 46204
 (317) 231-6500
 ARCADIS JOB NO. 30082741

WHITE RIVER - ROCKY RIPPLE FLOOD CONTROL
 IMPROVEMENT DISTRICT
 FLOOD RISK REDUCTION PROJECT

AERIAL PHOTOGRAPH
 STA. 23+00 TO STA. 35+50



KEY PLAN
SCALE: 1" = 2000'

| LEGEND | |
|--------|---------------------|
| | CONSTRUCTION LIMITS |
| | ROAD RIGHT-OF-WAY |
| | P/L PROPERTY LINE |
| | EARTHEN LEVEE |
| | I-WALL |
| | T-WALL |
| | L-WALL |
| | CANAL GATE |
| | ROADWAY GATE |
| | GATE |
| | EMBANKMENT SLOPE |

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| | FULL ACQUISITION |
| | PARTIAL ACQUISITION |
| | PERMANENT EASEMENT |
| | TEMPORARY EASEMENT |

| NO. | REVISION | DATE | BY |
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DESIGNED BY: _____
 DRAWN BY: _____
 CHECKED BY: _____
 REVIEWED BY: _____
 DATE: NOVEMBER 2022

PRELIMINARY
NOT FOR CONSTRUCTION

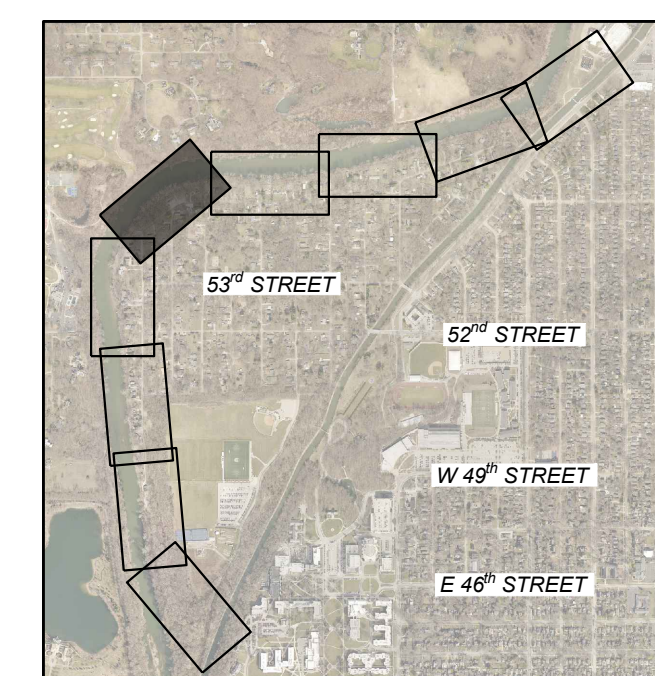
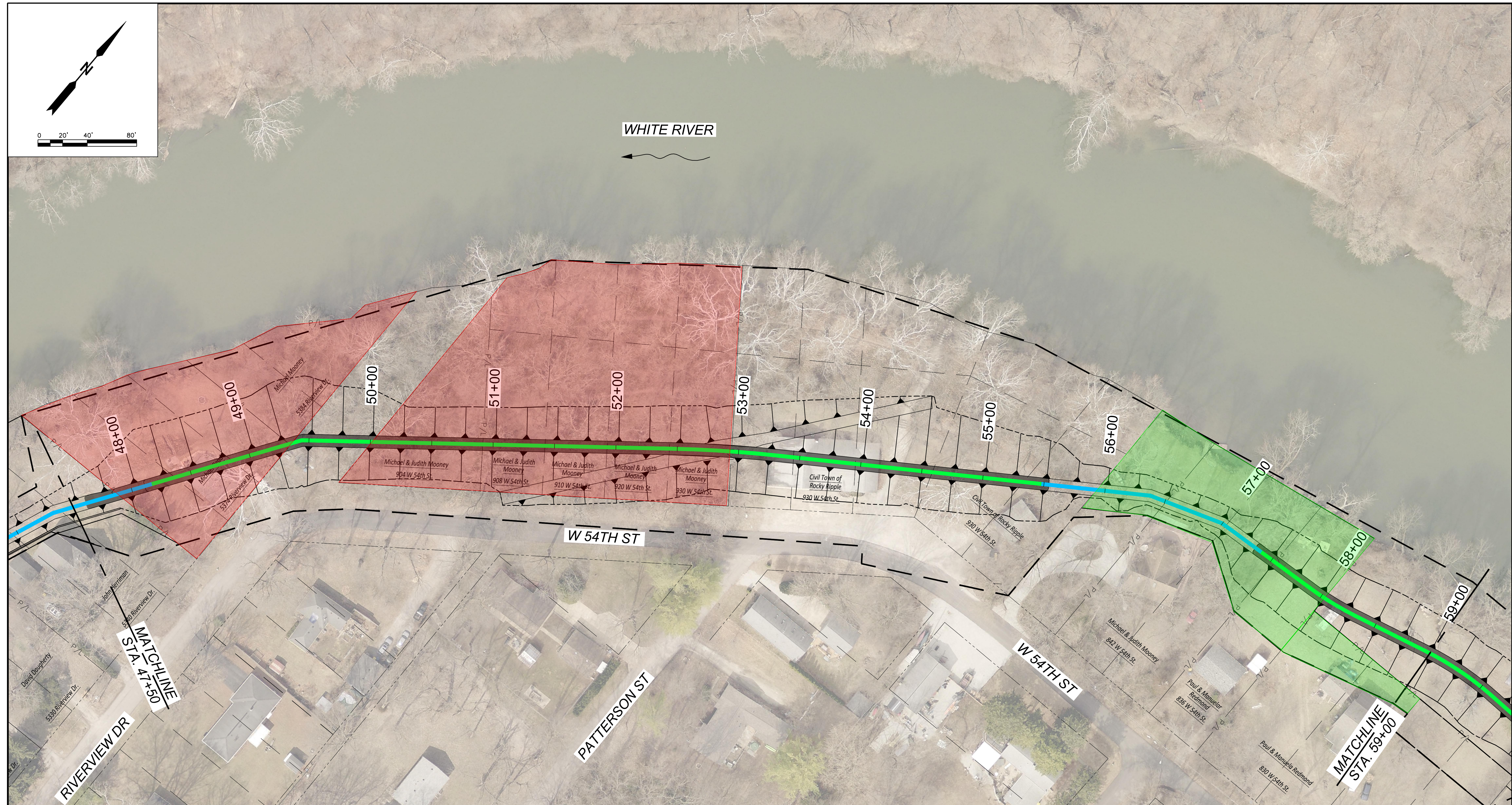
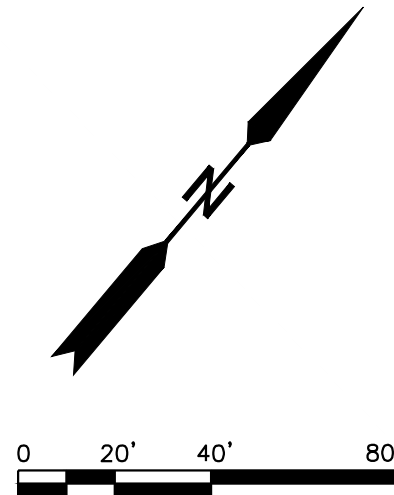
Department of Public Works
 City of Indianapolis
 1200 Madison Avenue, Ste 200
 Indianapolis, IN 46225

ARCADIS
 BURKE

Arcadis US, Inc.
 150 W. Market Street
 Indianapolis, IN 46204
 (317) 231-6500
 ARCADIS JOB NO. 30082741

WHITE RIVER - ROCKY RIPPLE FLOOD CONTROL
 IMPROVEMENT DISTRICT
 FLOOD RISK REDUCTION PROJECT

AERIAL PHOTOGRAPH
 STA. 35+50 TO STA. 47+50



KEY PLAN
SCALE: 1" = 2000'

| LEGEND | |
|--------|---------------------|
| | CONSTRUCTION LIMITS |
| | ROAD RIGHT-OF-WAY |
| | P/L PROPERTY LINE |
| | EARTHEN LEVEE |
| | I-WALL |
| | T-WALL |
| | L-WALL |
| | CANAL GATE |
| | ROADWAY GATE |
| | GATE |
| | EMBANKMENT SLOPE |

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| | FULL ACQUISITION |
| | PARTIAL ACQUISITION |
| | PERMANENT EASEMENT |

| NO. | REVISION | DATE | BY |
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PRELIMINARY
NOT FOR CONSTRUCTION

DESIGNED BY: _____
DRAWN BY: _____
CHECKED BY: _____
REVIEWED BY: _____
DATE: NOVEMBER 2022

Department of Public Works
City of Indianapolis
1200 Madison Avenue, Ste 200
Indianapolis, IN 46225

ARCADIS
ARCADIS US, Inc.
150 W. Market Street
Indianapolis, IN 46204
(317) 231-6500
ARCADIS JOB NO. 30082741

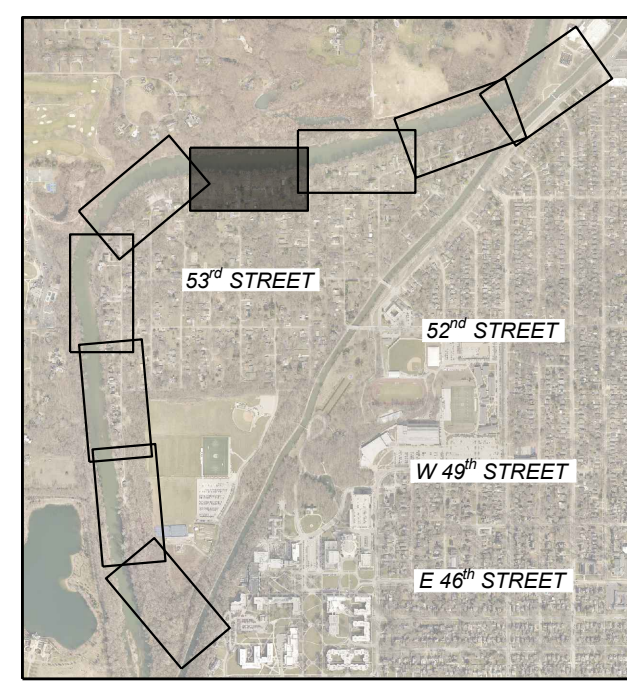
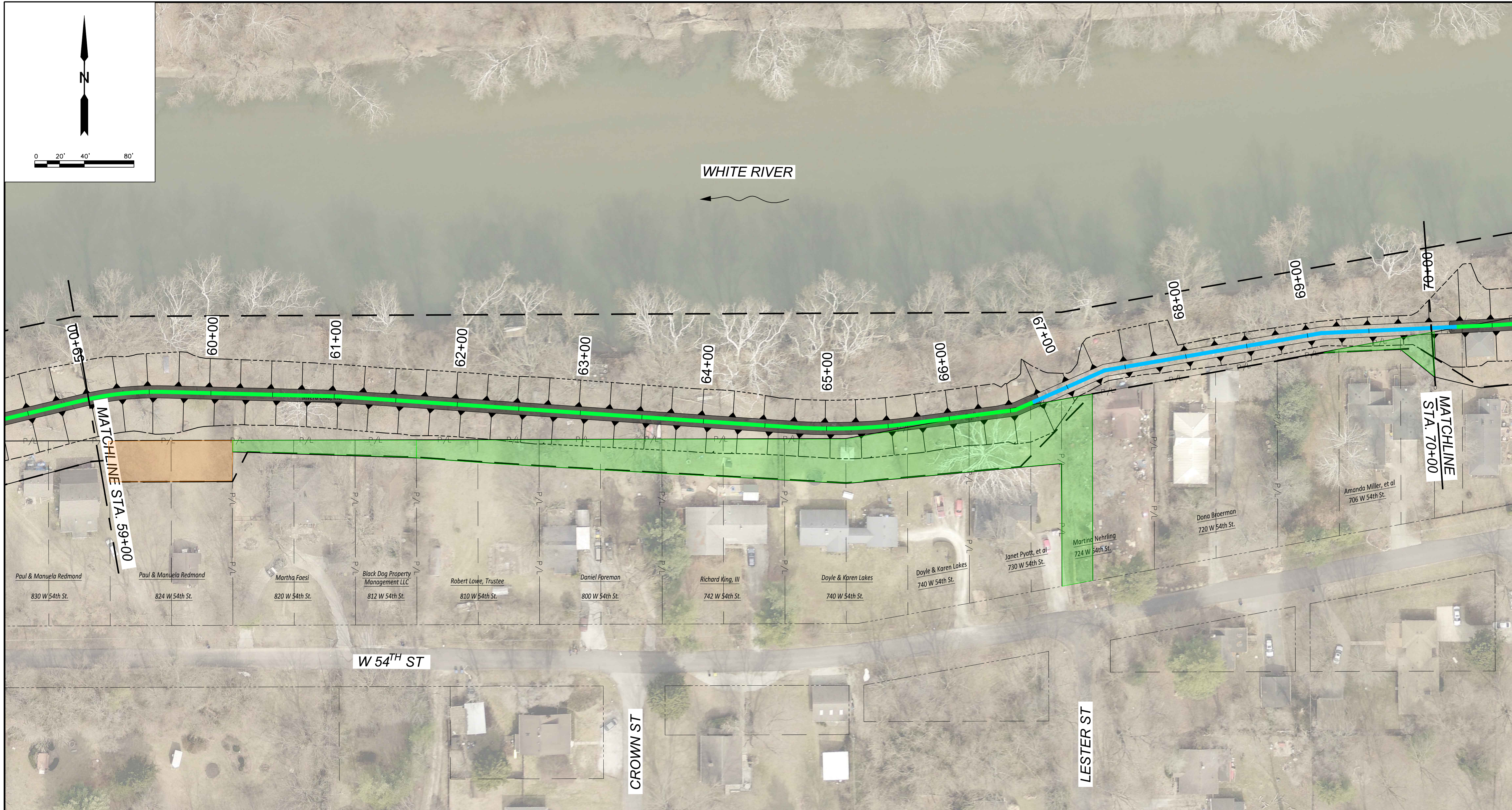
WHITE RIVER - ROCKY RIPPLE FLOOD CONTROL
IMPROVEMENT DISTRICT
FLOOD RISK REDUCTION PROJECT

AERIAL PHOTOGRAPH
STA. 47+50 TO STA. 59+00

0 20' 40' 80'



WHITE RIVER



KEY PLAN
SCALE: 1" = 2000'

LEGEND

- CONSTRUCTION LIMITS
- - - ROAD RIGHT-OF-WAY
- P/L PROPERTY LINE
- EARTHEN LEVEE
- I-WALL
- T-WALL
- L-WALL
- CANAL GATE
- ROADWAY GATE
- GATE
- ▲ EMBANKMENT SLOPE

- FULL ACQUISITION
- PARTIAL ACQUISITION
- PERMANENT EASEMENT

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PRELIMINARY
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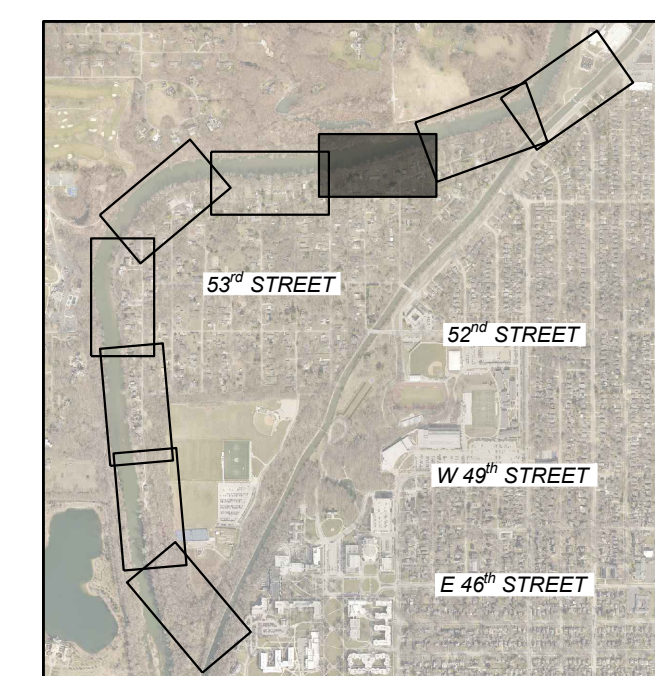
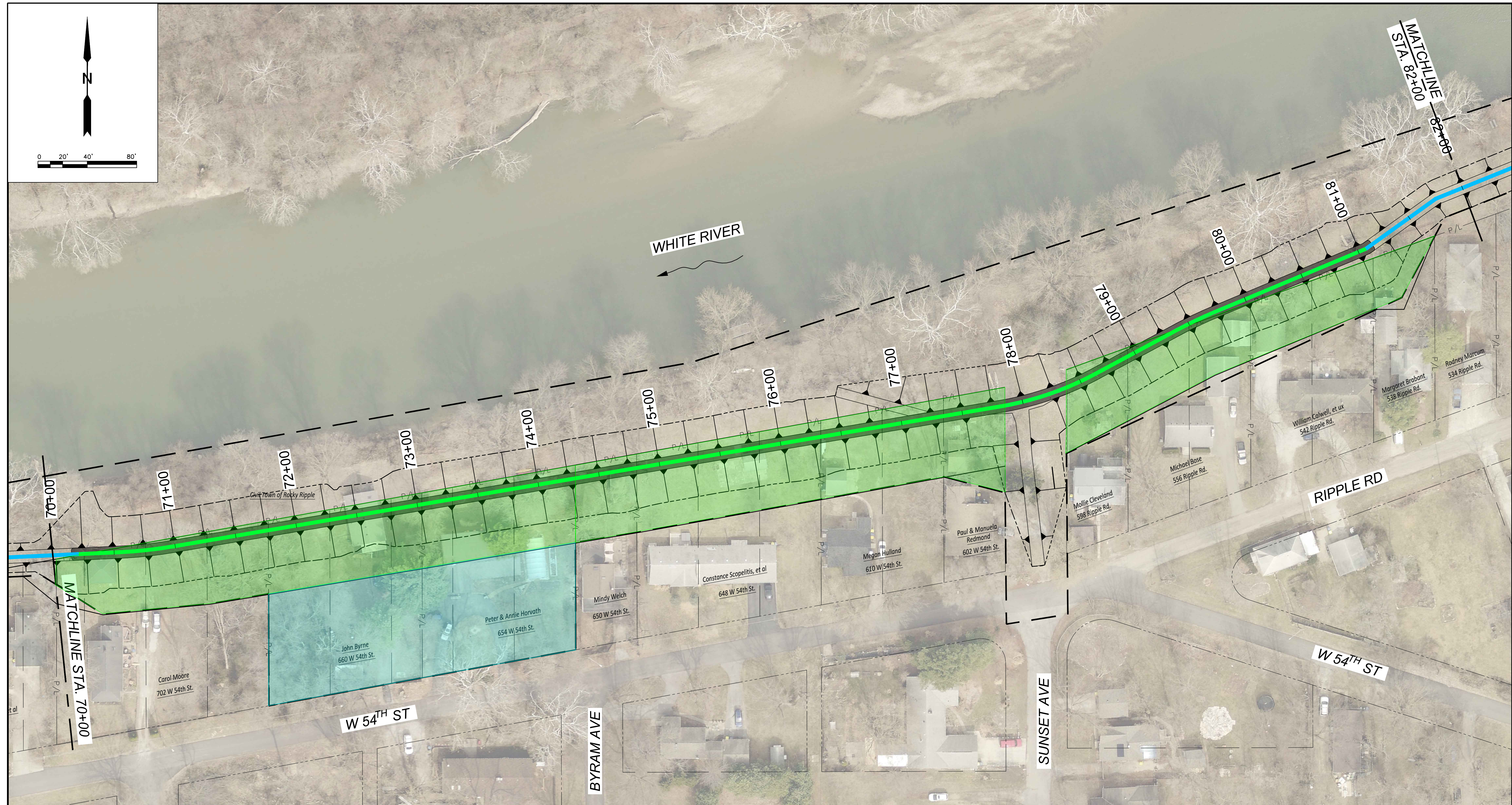
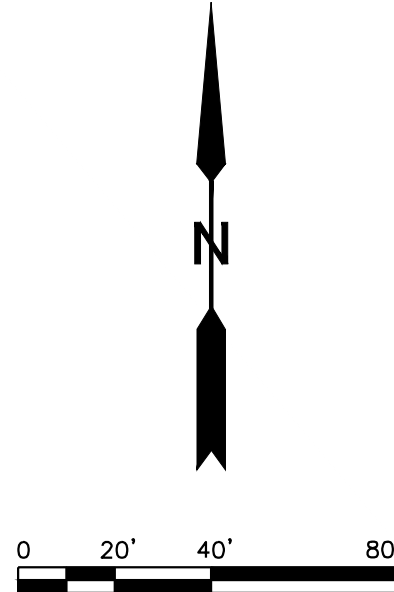
DESIGNED BY: _____
DRAWN BY: _____
CHECKED BY: _____
REVIEWED BY: _____
DATE: NOVEMBER 2022

Department of Public Works
City of Indianapolis
1200 Madison Avenue, Ste 200
Indianapolis, IN 46225

ARCADIS
ARCADIS US, Inc.
150 W. Market Street
Indianapolis, IN 46204
(317) 231-6500
ARCADIS JOB NO. 30082741

WHITE RIVER - ROCKY RIPPLE FLOOD CONTROL
IMPROVEMENT DISTRICT
FLOOD RISK REDUCTION PROJECT

AERIAL PHOTOGRAPH
STA. 59+00 TO STA. 70+00



KEY PLAN
SCALE: 1" = 2000'

| LEGEND | |
|--------|---------------------|
| | CONSTRUCTION LIMITS |
| | ROAD RIGHT-OF-WAY |
| | P/L PROPERTY LINE |
| | EARTHEN LEVEE |
| | I-WALL |
| | T-WALL |
| | L-WALL |
| | CANAL GATE |
| | ROADWAY GATE |
| | GATE |
| | EMBANKMENT SLOPE |

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| | FULL ACQUISITION |
| | PARTIAL ACQUISITION |
| | PERMANENT EASEMENT |
| | TEMPORARY EASEMENT (TO BE REVERTED BACK TO OWNER) |

| NO. | REVISION | DATE | BY |
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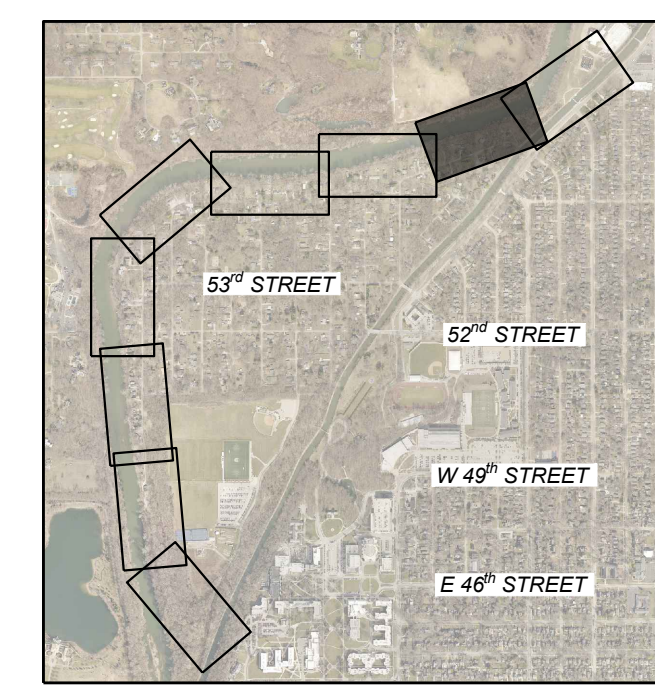
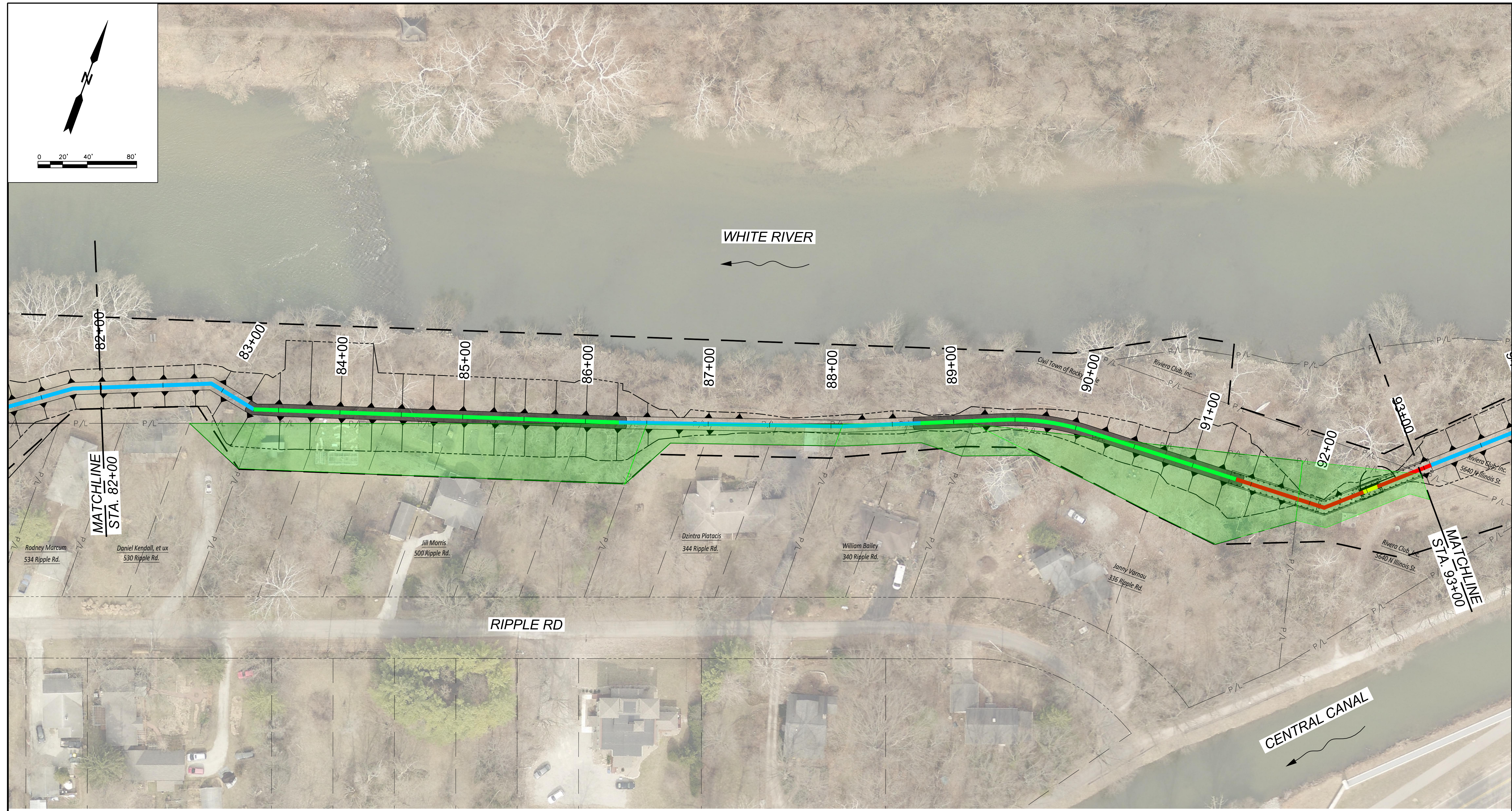
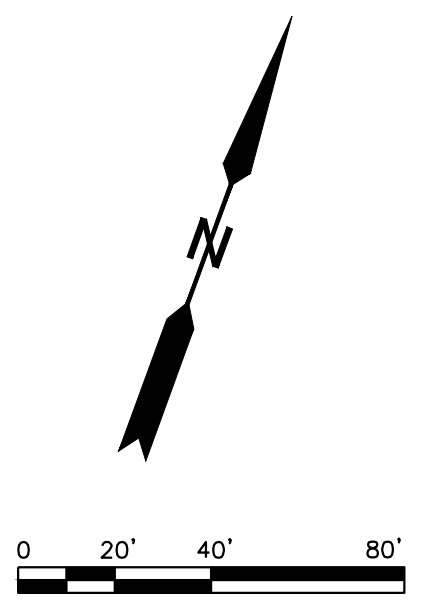
DESIGNED BY: _____
 DRAWN BY: _____
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 REVIEWED BY: _____
 DATE: NOVEMBER 2022

Department of Public Works
 City of Indianapolis
 1200 Madison Avenue, Ste 200
 Indianapolis, IN 46225

ARCADIS
 Arcadis US, Inc.
 150 W. Market Street
 Indianapolis, IN 46204
 (317) 231-6500
 ARCADIS JOB NO. 30082741

WHITE RIVER - ROCKY RIPPLE FLOOD CONTROL
 IMPROVEMENT DISTRICT
 FLOOD RISK REDUCTION PROJECT

AERIAL PHOTOGRAPH
 STA. 70+00 TO STA. 82+00



KEY PLAN
SCALE: 1" = 2000'

| LEGEND | |
|--------|---------------------|
| | CONSTRUCTION LIMITS |
| | ROAD RIGHT-OF-WAY |
| | P/L PROPERTY LINE |
| | EARTHEN LEVEE |
| | I-WALL |
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| | CANAL GATE |
| | ROADWAY GATE |
| | GATE |
| | EMBANKMENT SLOPE |

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| | FULL ACQUISITION |
| | PARTIAL ACQUISITION |
| | PERMANENT EASEMENT |

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PRELIMINARY
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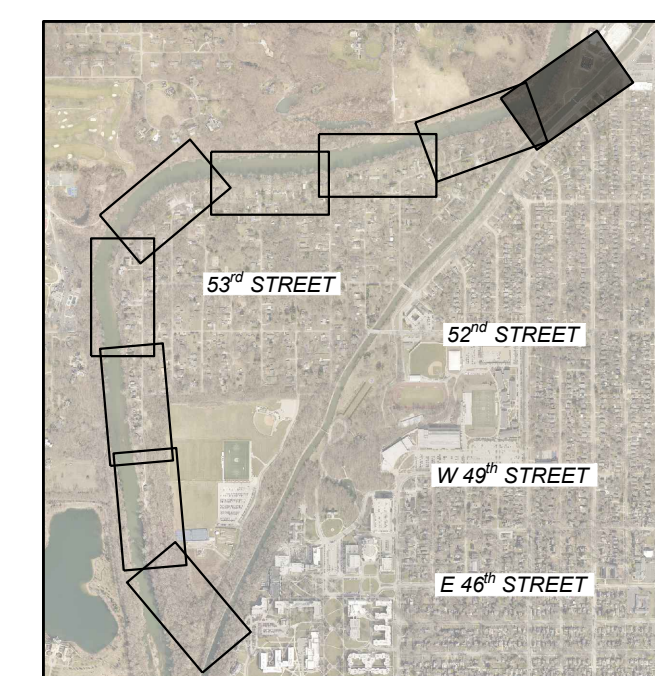
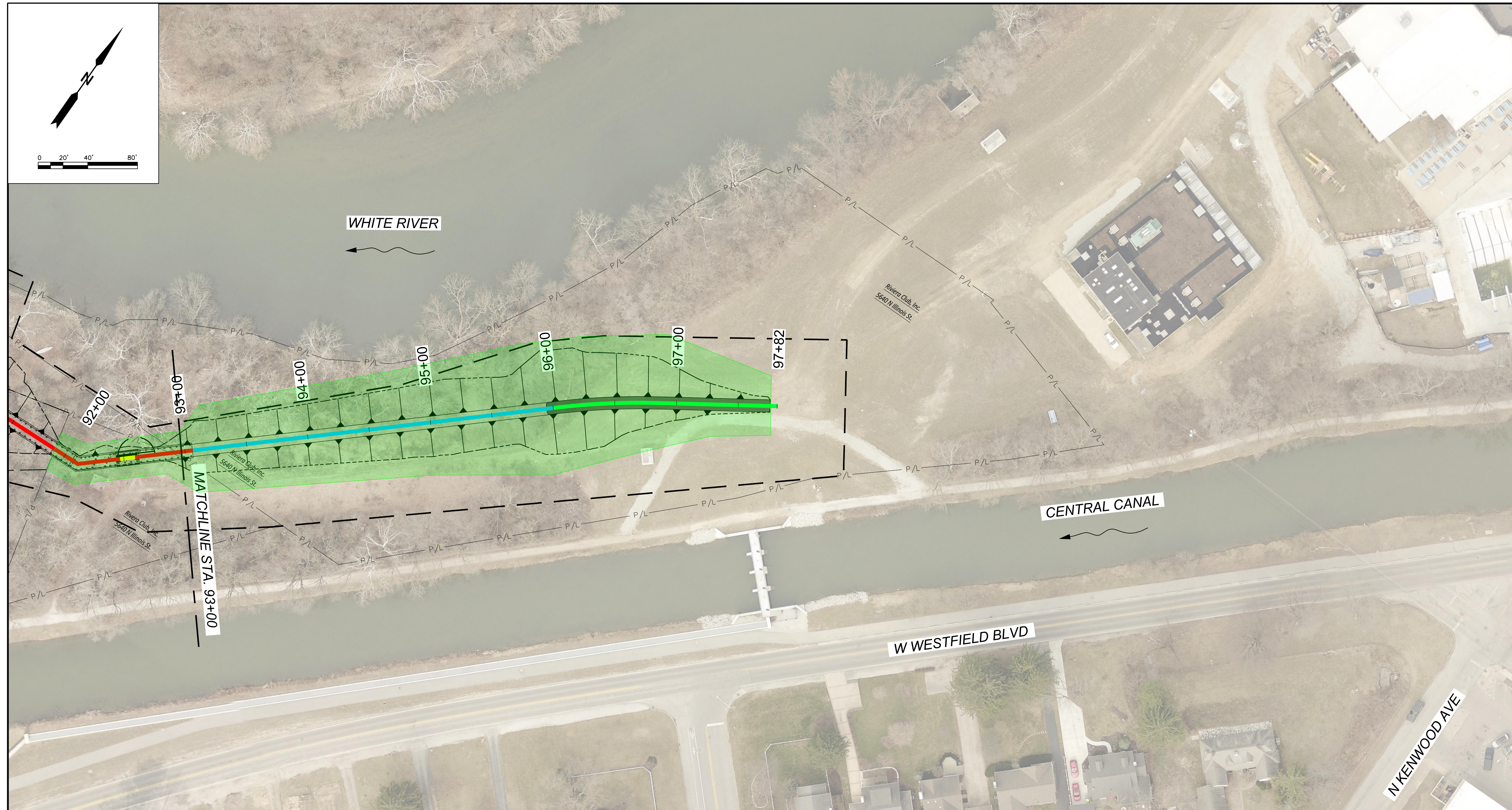
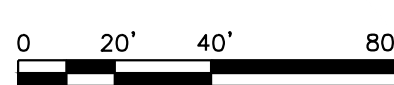
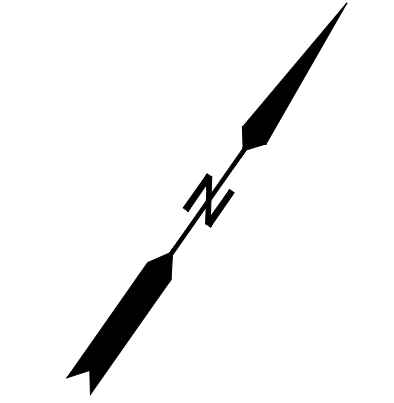
DESIGNED BY:
DRAWN BY:
CHECKED BY:
REVIEWED BY:
DATE: NOVEMBER 2022

Department of Public Works
City of Indianapolis
1200 Madison Avenue, Ste 200
Indianapolis, IN 46225

ARCADIS
ARCADIS US, Inc.
150 W. Market Street
Indianapolis, IN 46204
(317) 231-6500
ARCADIS JOB NO. 30082741

WHITE RIVER - ROCKY RIPPLE FLOOD CONTROL
IMPROVEMENT DISTRICT
FLOOD RISK REDUCTION PROJECT

AERIAL PHOTOGRAPH
STA. 82+00 TO STA. 93+00



KEY PLAN
SCALE: 1" = 2000'

| LEGEND | |
|--------|---------------------|
| | CONSTRUCTION LIMITS |
| | ROAD RIGHT-OF-WAY |
| | P/L PROPERTY LINE |
| | EARTHEN LEVEE |
| | I-WALL |
| | T-WALL |
| | L-WALL |
| | CANAL GATE |
| | ROADWAY GATE |
| | GATE |
| | EMBANKMENT SLOPE |

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| | FULL ACQUISITION |
| | PARTIAL ACQUISITION |
| | PERMANENT EASEMENT |

| NO. | REVISION | DATE | BY |
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DESIGNED BY: _____
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 CHECKED BY: _____
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 DATE: NOVEMBER 2022

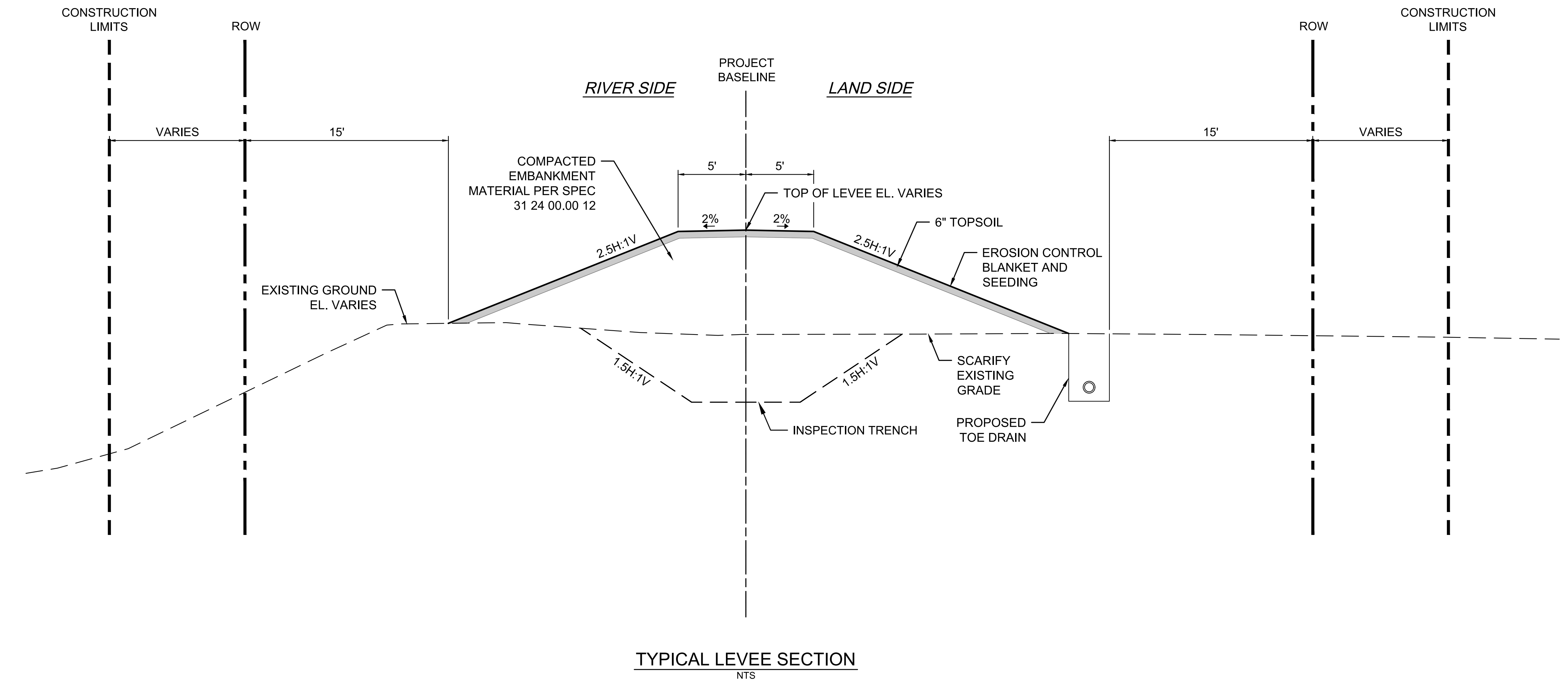
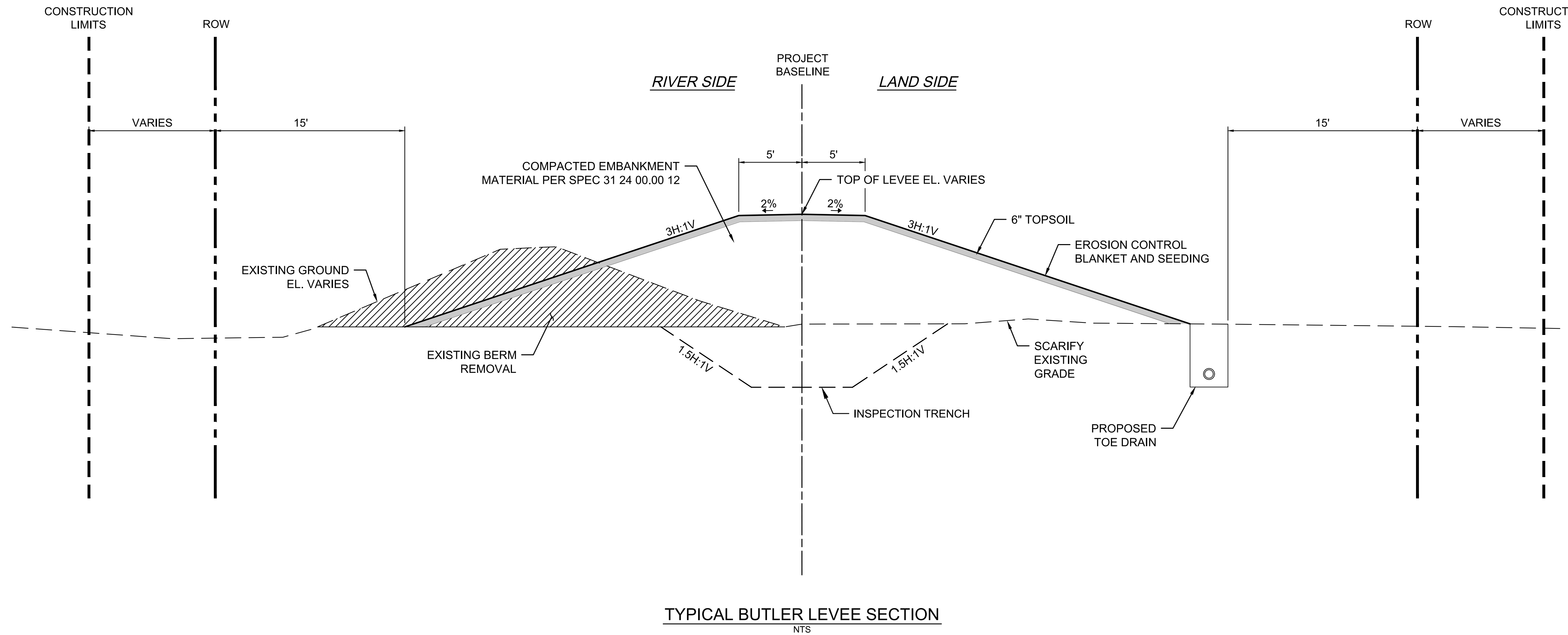
PRELIMINARY
NOT FOR CONSTRUCTION

Department of Public Works
 City of Indianapolis
 1200 Madison Avenue, Ste 200
 Indianapolis, IN 46225

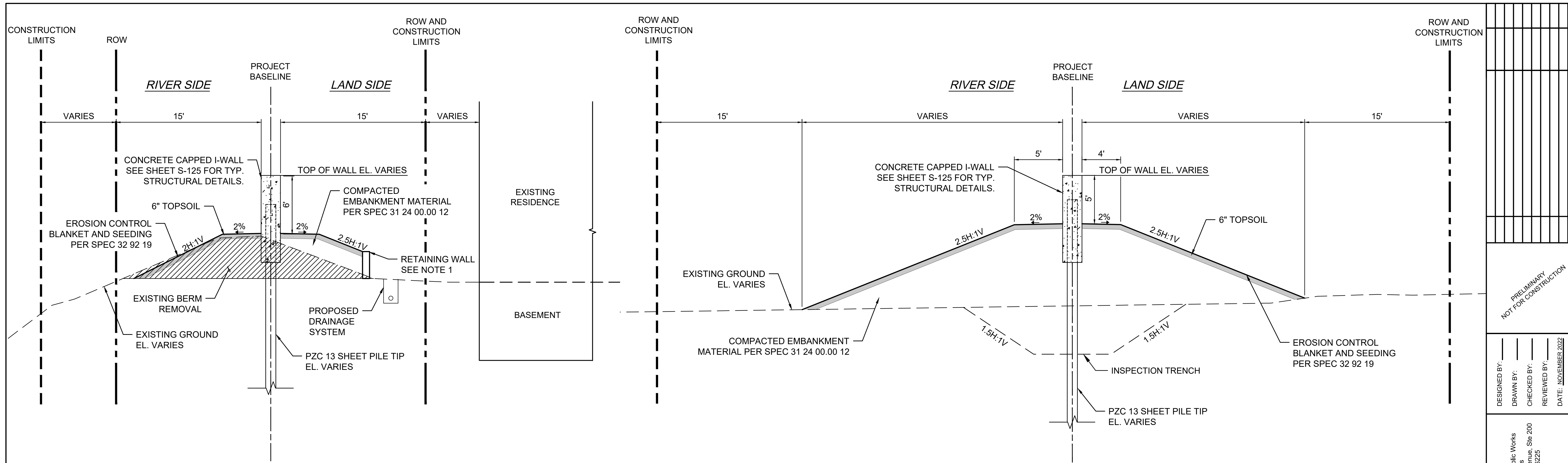
ARCADIS
 BURKE
 Arcadis US, Inc.
 150 W. Market Street
 Indianapolis, IN 46204
 (317) 231-6500
 ARCADIS JOB NO. 30082741

WHITE RIVER - ROCKY RIPPLE FLOOD CONTROL
 IMPROVEMENT DISTRICT
 FLOOD RISK REDUCTION PROJECT

AERIAL PHOTOGRAPH
 STA. 93+00 TO STA. 97+82

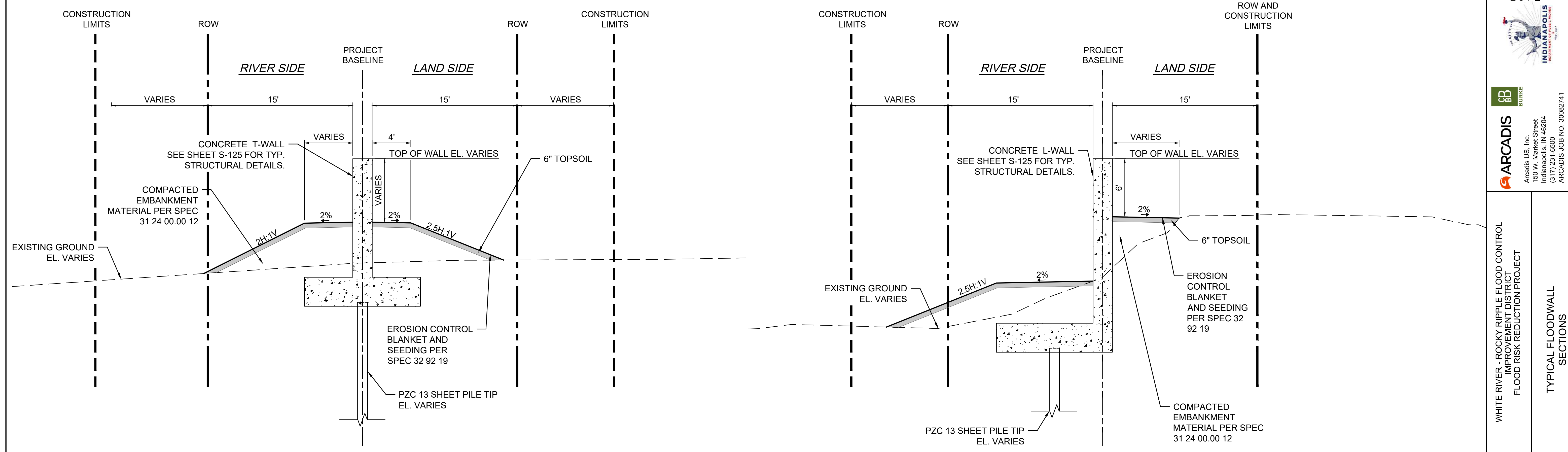


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| DESIGNED BY: _____ | NO. | REVISION | DATE | BY |
| DRAWN BY: _____ | | | | |
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| REVIEWED BY: _____ | | | | |
| DATE: OCTOBER, 2022 | | | | |
| PRELIMINARY NOT FOR CONSTRUCTION | | | | |
| Department of Public Works City of Indianapolis 1200 Madison Avenue, Ste 200 Indianapolis, IN 46225  | | | | |
|  | | | | |
| Arcadis US, Inc. 150 W. Market Street Indianapolis, IN 46204 (317) 231-6500 ARCADIS JOB NO. 30082741 | | | | |
| WHITE RIVER - ROCKY RIPPLE FLOOD CONTROL IMPROVEMENT DISTRICT FLOOD RISK REDUCTION PROJECT | | | | |
| TYPICAL LEVEE SECTIONS | | | | |
| DRAWING | | | | |
| G-200 | | | | |



TYPICAL I-WALL SECTION (INSIDE OF RESIDENCE ZONE)

TYPICAL I-WALL SECTION (OUTSIDE OF RESIDENCE ZONE)



TYPICAL T-WALL SECTION

TYPICAL L-WALL SECTION

1. RETAINING WALL DESIGN TO BE COORDINATED WITH CONTRACTOR IN 90% DESIGN PHASE. SEE PLAN AND PROFILES (C-200 SERIES) FOR PRELIMINARY LAYOUT.

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| DESIGNED BY: | |
| DRAWN BY: | |
| CHECKED BY: | |
| REVIEWED BY: | |
| DATE: | NOVEMBER 2022 |

PRELIMINARY
NOT FOR CONSTRUCTION

Department of Public Works
City of Indianapolis
1200 Madison Avenue, Ste 200
Indianapolis, IN 46225

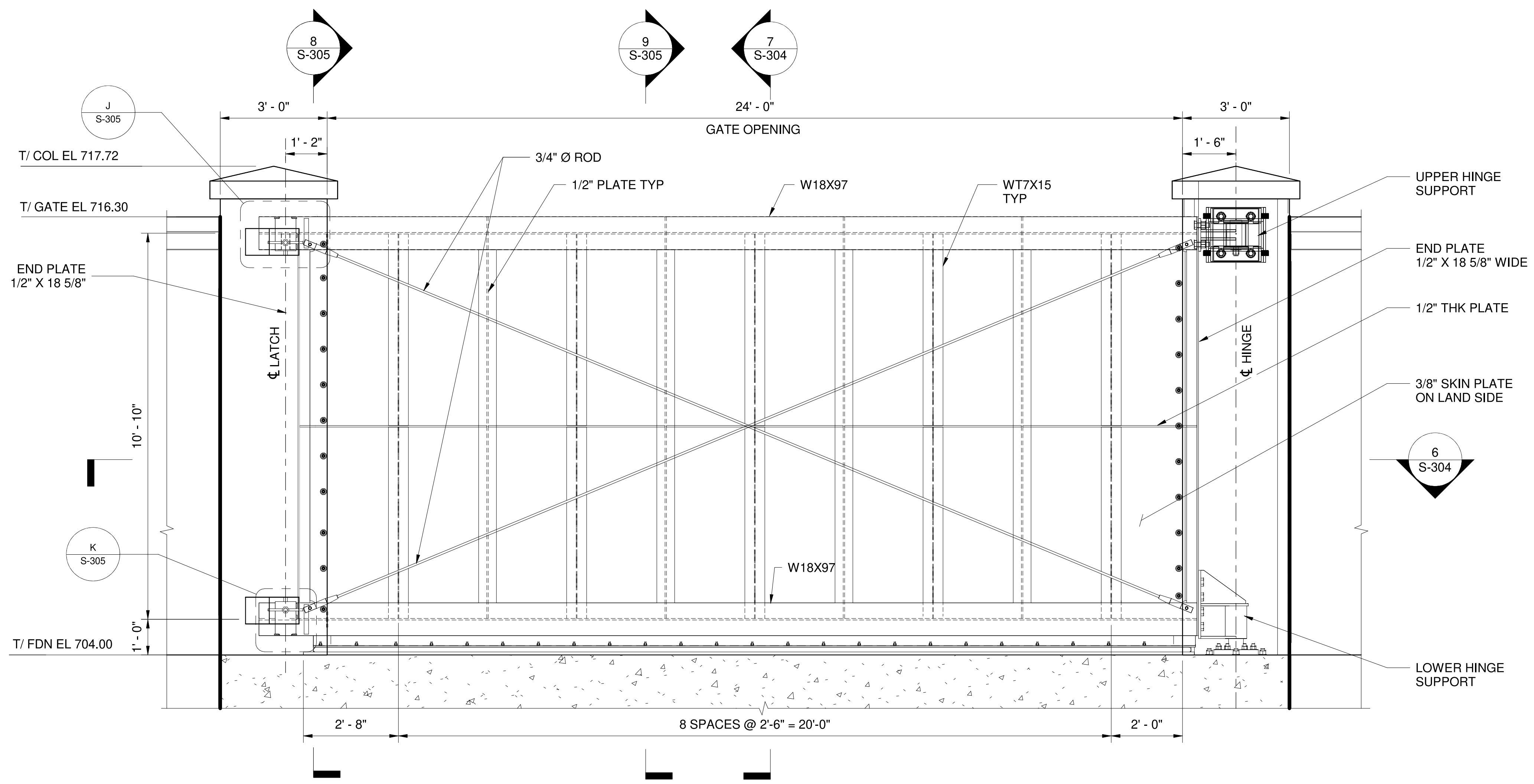
ARCADIS
ARCADIS US, Inc.
150 W. Market Street
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ARCADIS JOB NO. 30082741

WHITE RIVER - ROCKY RIPPLE FLOOD CONTROL
IMPROVEMENT DISTRICT
FLOOD RISK REDUCTION PROJECT

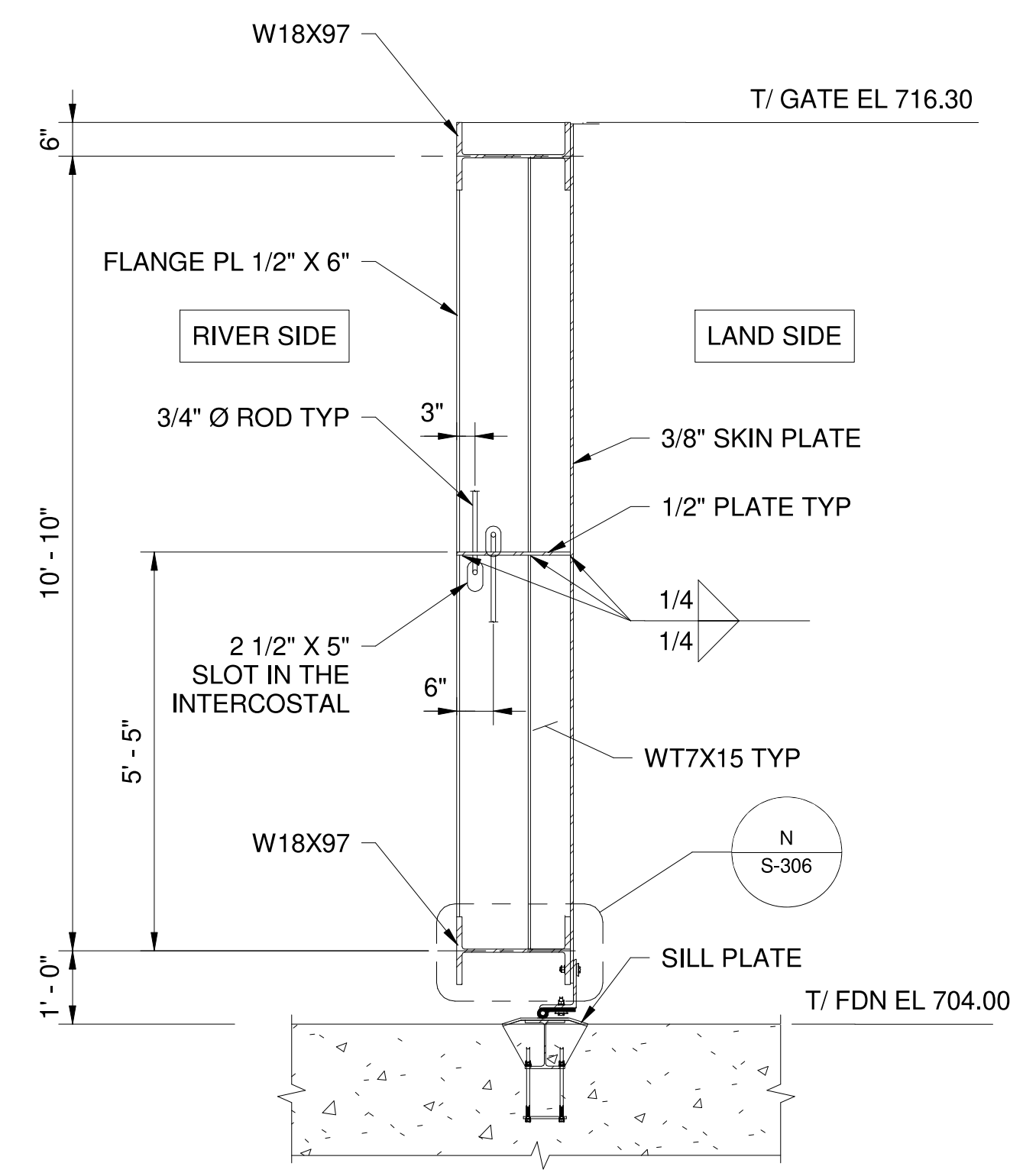
TYPICAL FLOODWALL
SECTIONS

DRAWING
G-201

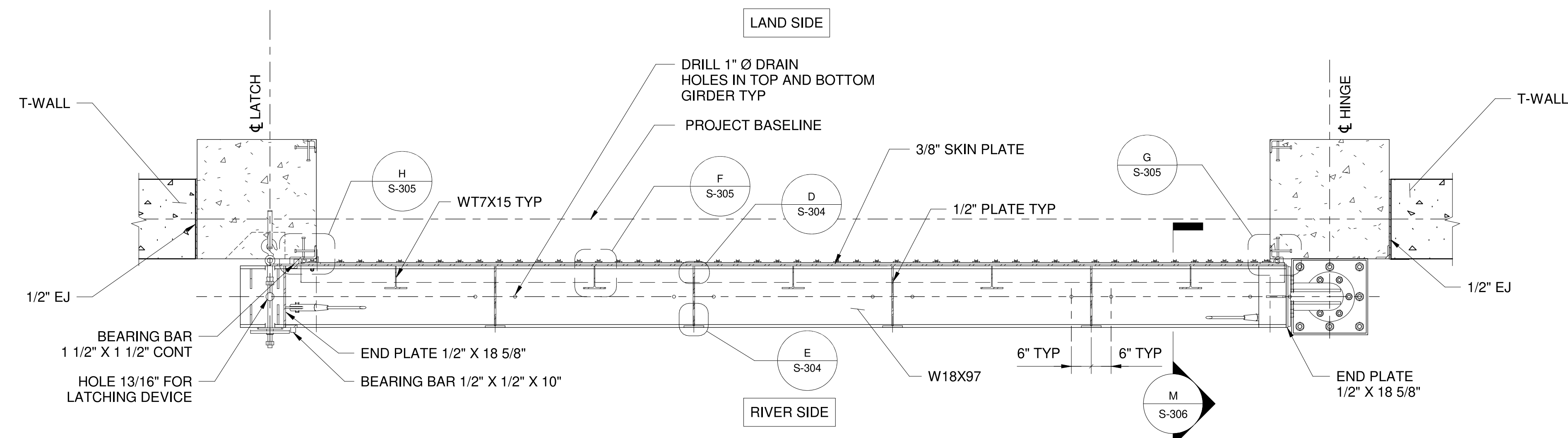
| | | | |
|-----|----------|------|----|
| NO. | REVISION | DATE | BY |
| | | | |



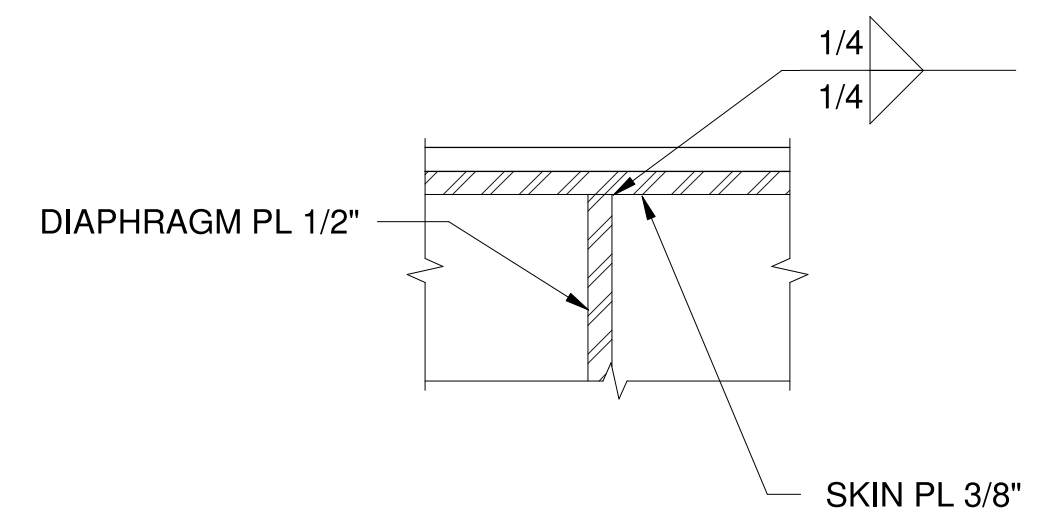
SWG01 - RIVER SIDE ELEVATION
SCALE: 1/2" = 1'-0"



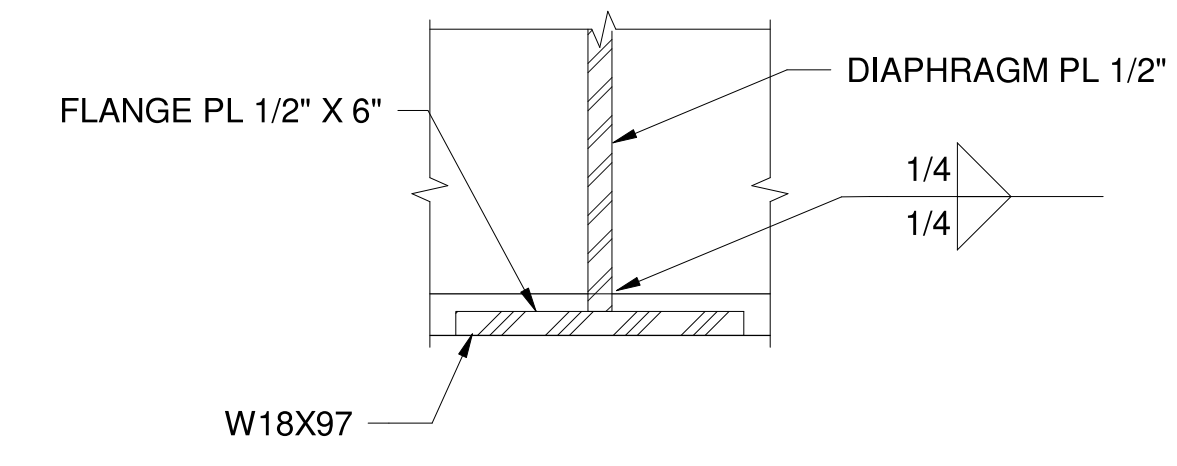
7 SECTION
SCALE: 1/2" = 1'-0"



6 SECTION
SCALE: 1/2" = 1'-0"

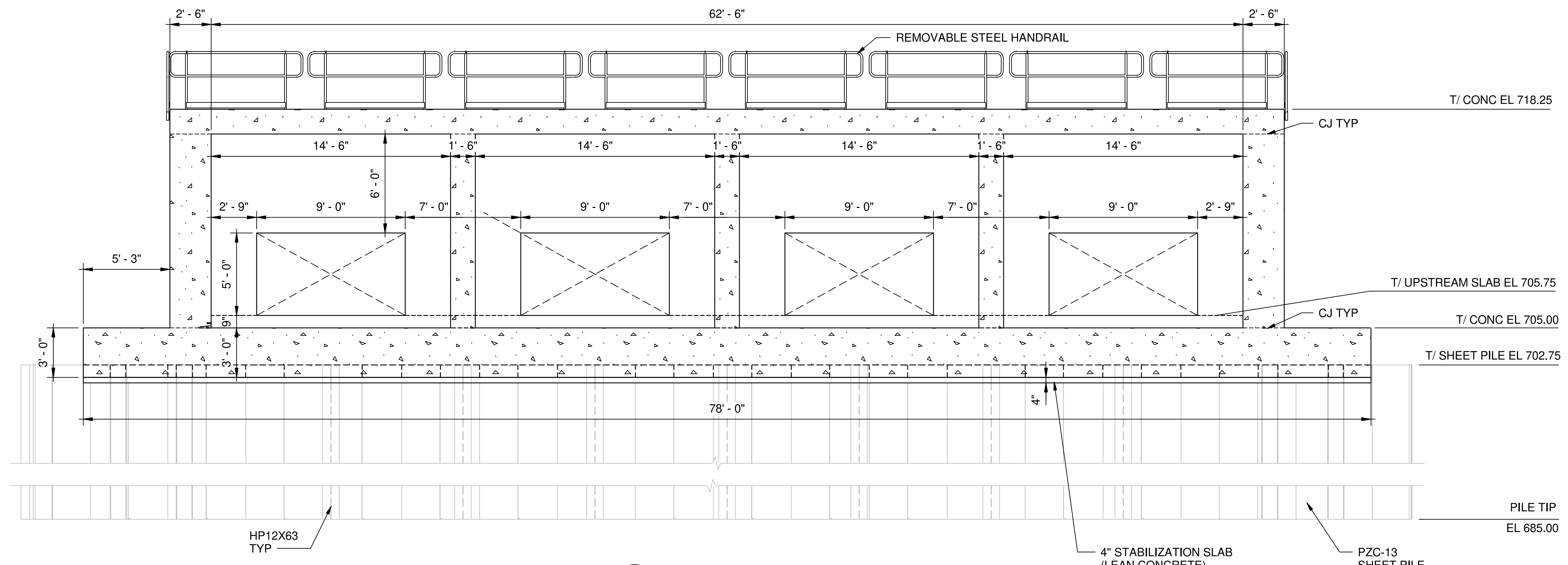


D DETAIL
SCALE: 3" = 1'-0"

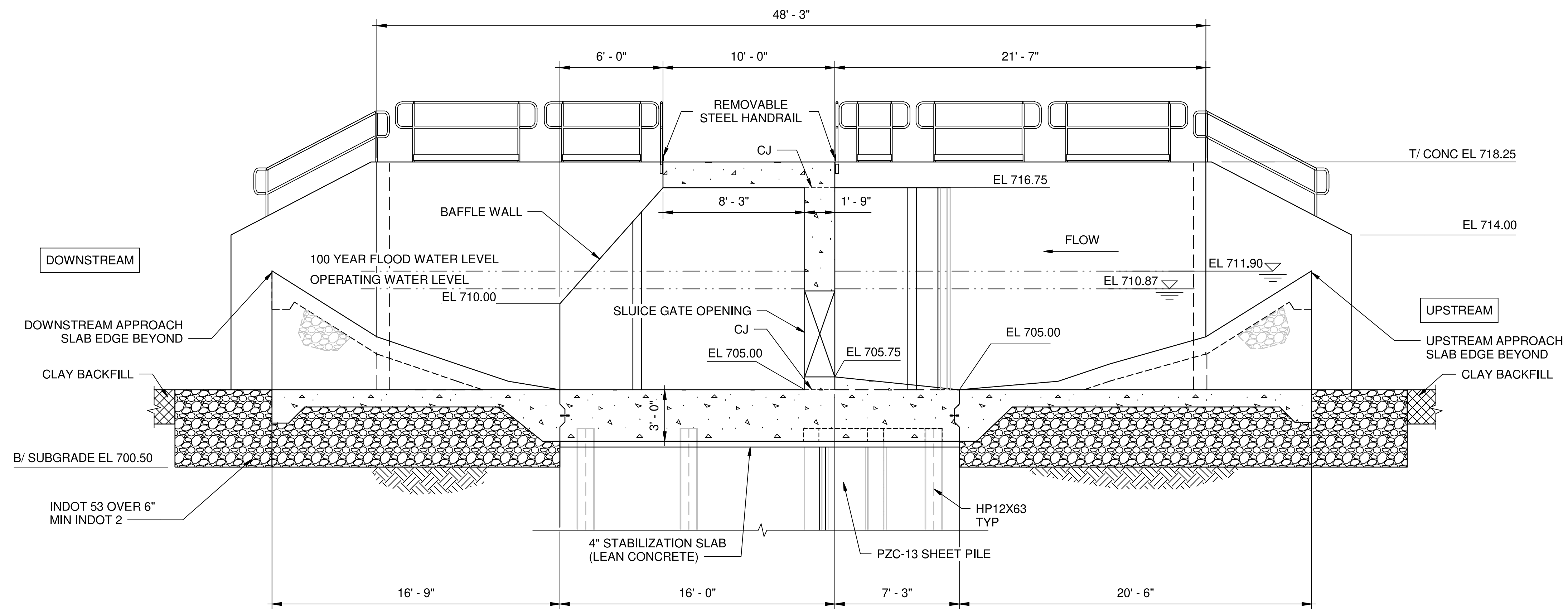


E DETAIL
SCALE: 3" = 1'-0"

| | | | | |
|---|-----|----------|------|----|
| DESIGNED BY: N. MADHU | NO. | REVISION | DATE | BY |
| DRAWN BY: PG. SOMMYA | | | | |
| CHECKED BY: N. MADHU | | | | |
| REVIEWED BY: T. HOSSAIN | | | | |
| DATE: OCTOBER 2022 | | | | |
| PRELIMINARY NOT FOR CONSTRUCTION | | | | |
| Department of Public Works City of Indianapolis 1200 Madison Avenue, Ste 200 Indianapolis, IN 46225  | | | | |
|  | | | | |
| WHITE RIVER - ROCKY RIPPLE FLOOD CONTROL DISTRICT FLOOD RISK REDUCTION PROJECT SWING GATE SWG01 STRUCTURAL STEEL ELEVATION, SECTIONS & DETAILS | | | | |
| DRAWING S-304 | | | | |



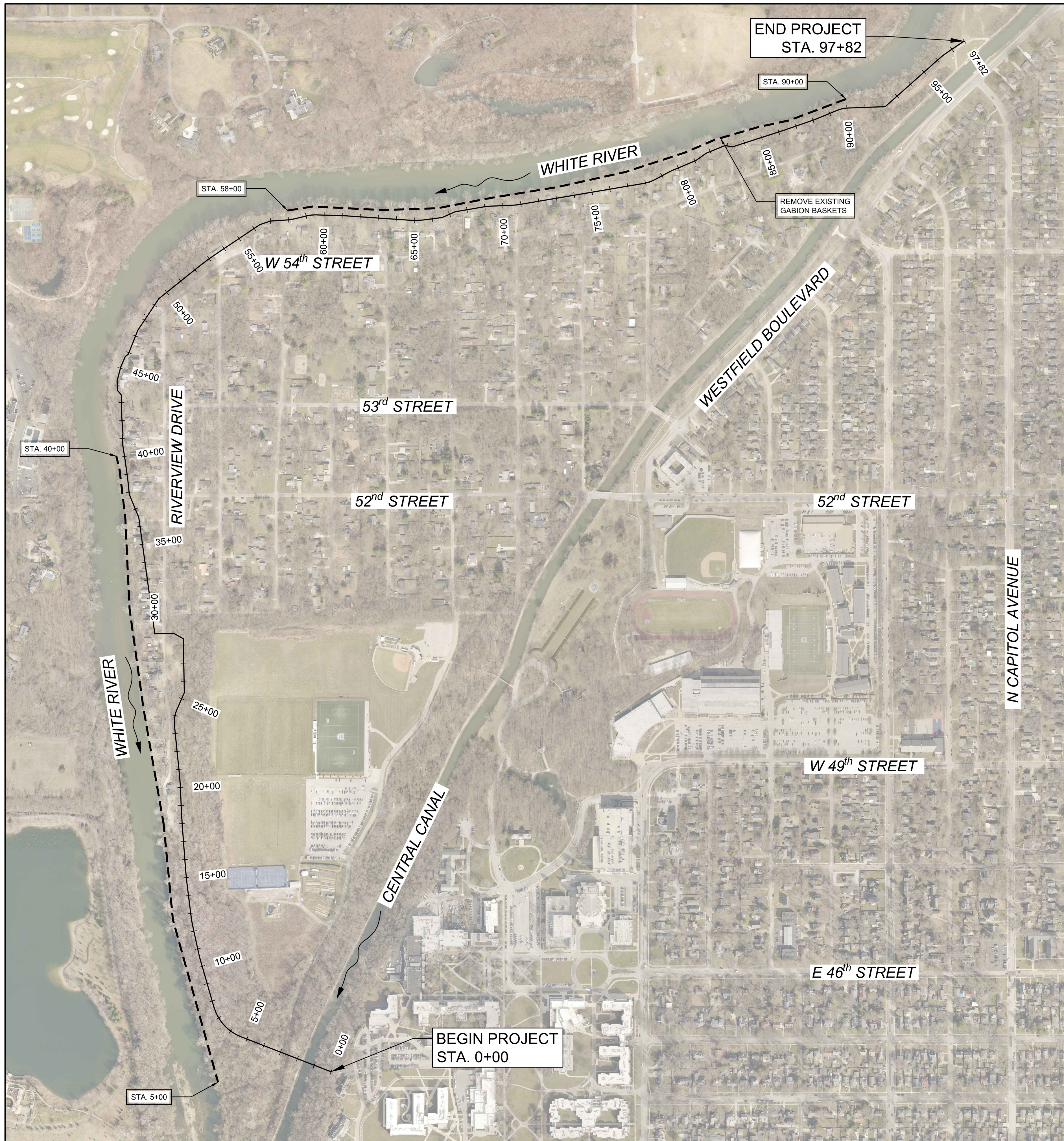
1 SECTION
 S-201 SCALE: 1/4" = 1'-0" 0' 2' 4' 8'



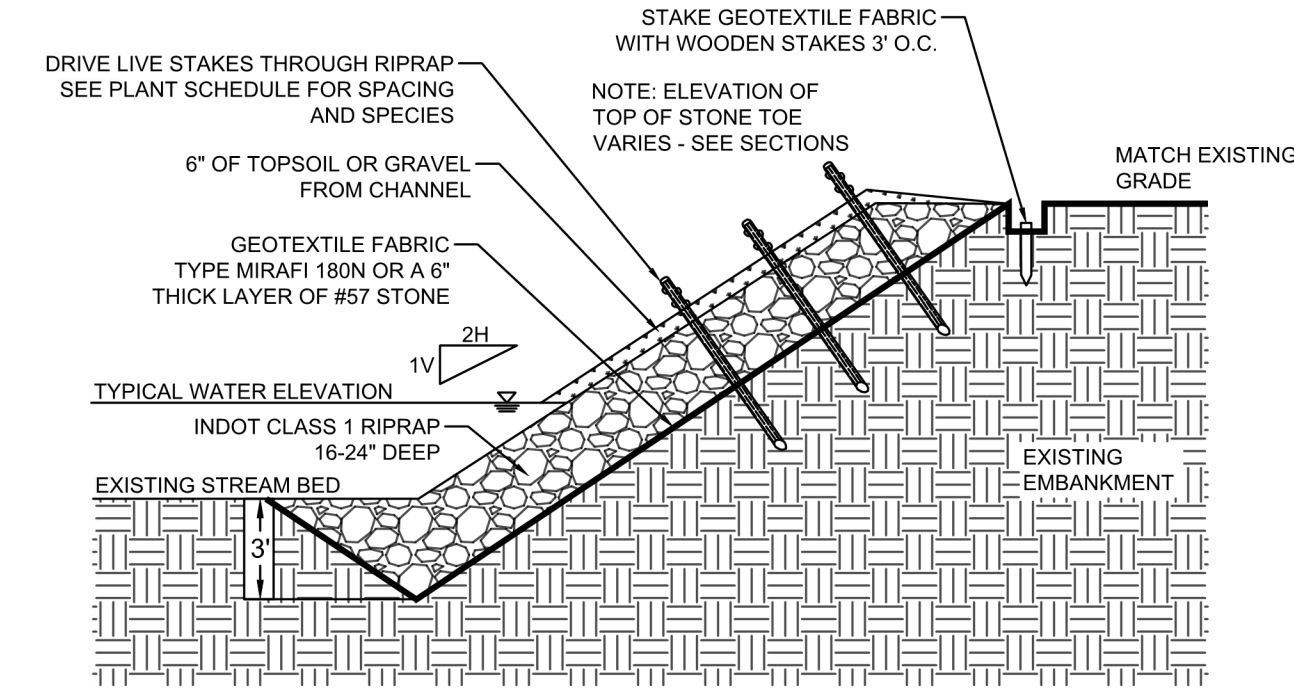
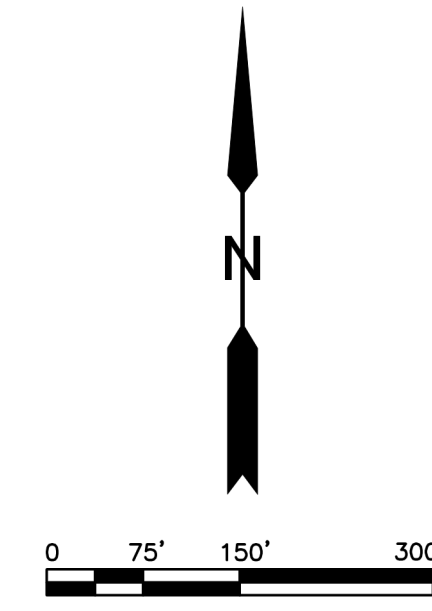
2 SECTION
 S-201 SCALE: 1/4" = 1'-0" 0' 2' 4' 8'

NOTE: APPLY TEXTURED FORM LINER FOR ALL EXPOSED GATE STRUCTURE WALLS AND ONE FOOT BELOW THE NORMAL WATER LINE ELEVATION

| | | | | |
|--|---------------------|-------------------------|-------------------------|--------------------|
| DESIGNED BY: S. MUSTHAFA | DRAWN BY: V. MAHESH | CHECKED BY: S. MUSTHAFA | REVIEWED BY: T. HOSSAIN | DATE: OCTOBER 2022 |
| | | | | |
| | | | | |
| WHITE RIVER - ROCKY RIPPLE FLOOD CONTROL DISTRICT FLOOD RISK REDUCTION PROJECT CANAL CLOSURE STRUCTURE SECTIONS SHEET 01 | | | | |
| DRAWING | | | | S-203 |



| LEGEND | |
|--------|----------------|
| | JOINT PLANTING |



JOINT PLANTING DETAIL
NOT TO SCALE

| WHITE RIVER - ROCKY RIPPLE FLOOD CONTROL IMPROVEMENT DISTRICT FLOOD RISK REDUCTION PROJECT | | STREAMBANK STABILIZATION PLAN | |
|--|--------------|-------------------------------|-------|
| DESIGNED BY: | _____ | NO. | _____ |
| DRAWN BY: | _____ | REVISION | _____ |
| CHECKED BY: | _____ | DATE | _____ |
| REVIEWED BY: | _____ | | |
| DATE: | OCTOBER 2022 | | |
| <p>Department of Public Works City of Indianapolis 1200 Madison Avenue, Ste 200 Indianapolis, IN 46225</p> | | | |
| ARCADIS US, Inc. 150 W. Market Street Indianapolis, IN 46204 (317) 231-6500 ARCADIS JOB NO. 30082741 | | | |
| DRAWING | | C-400 | |