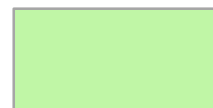
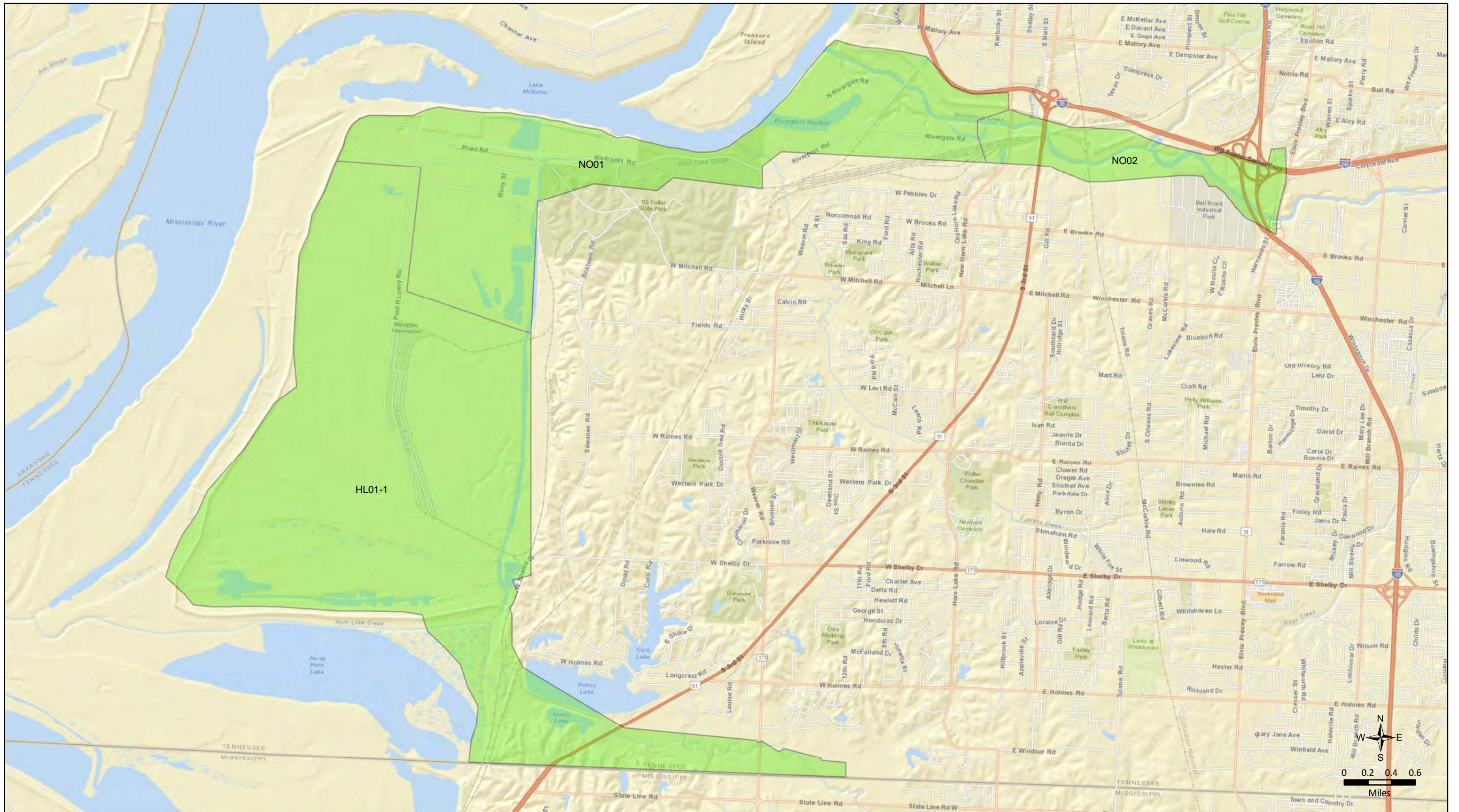


- East Cordova Reserve
- North Reserve
- Horn Lake South
- Horn Lake Interceptor
- Nonconnah Interceptor

**Phase 6  
Contract Areas**





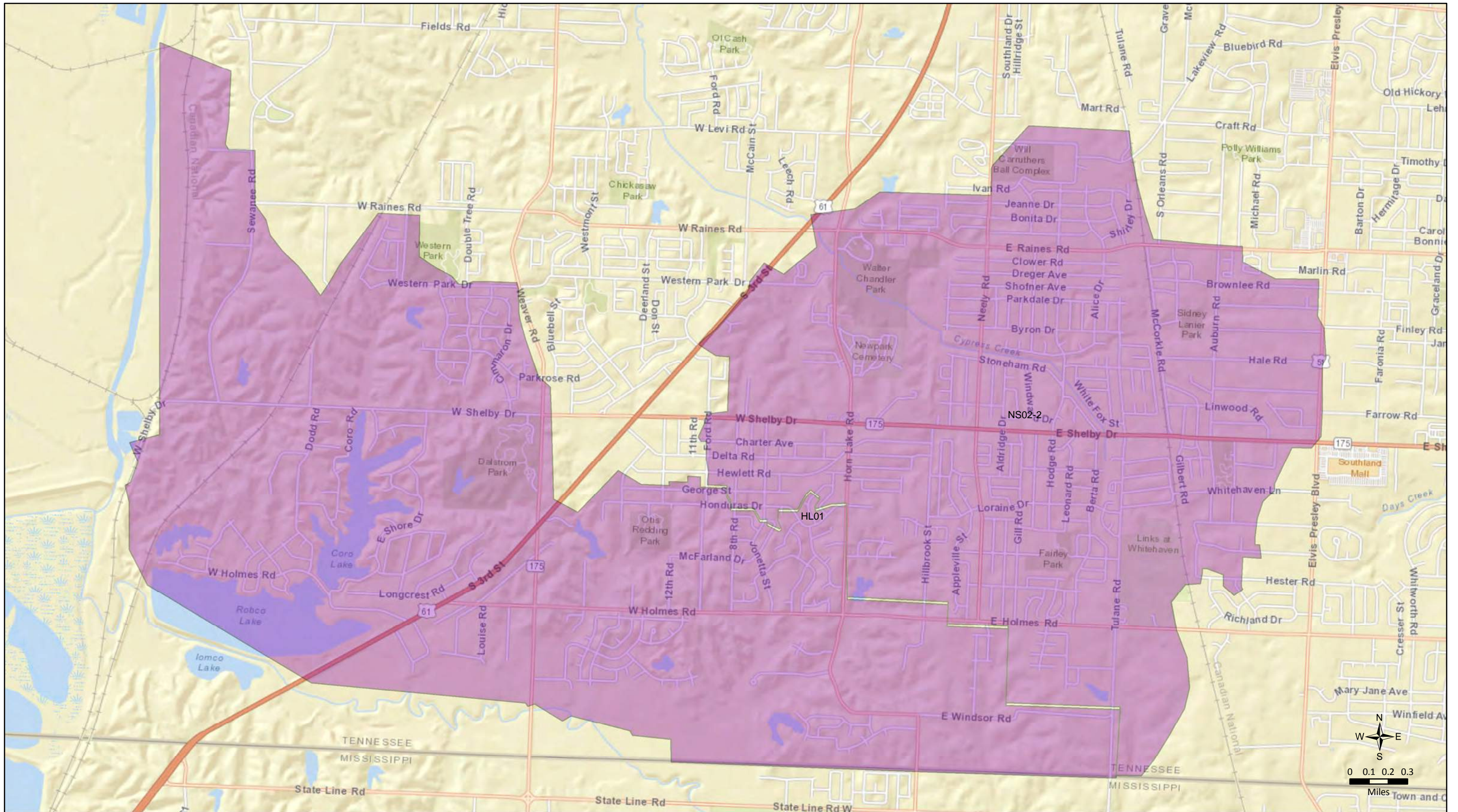


Horn Lake Interceptor

Phase 6 Contract Areas  
Horn Lake Interceptor





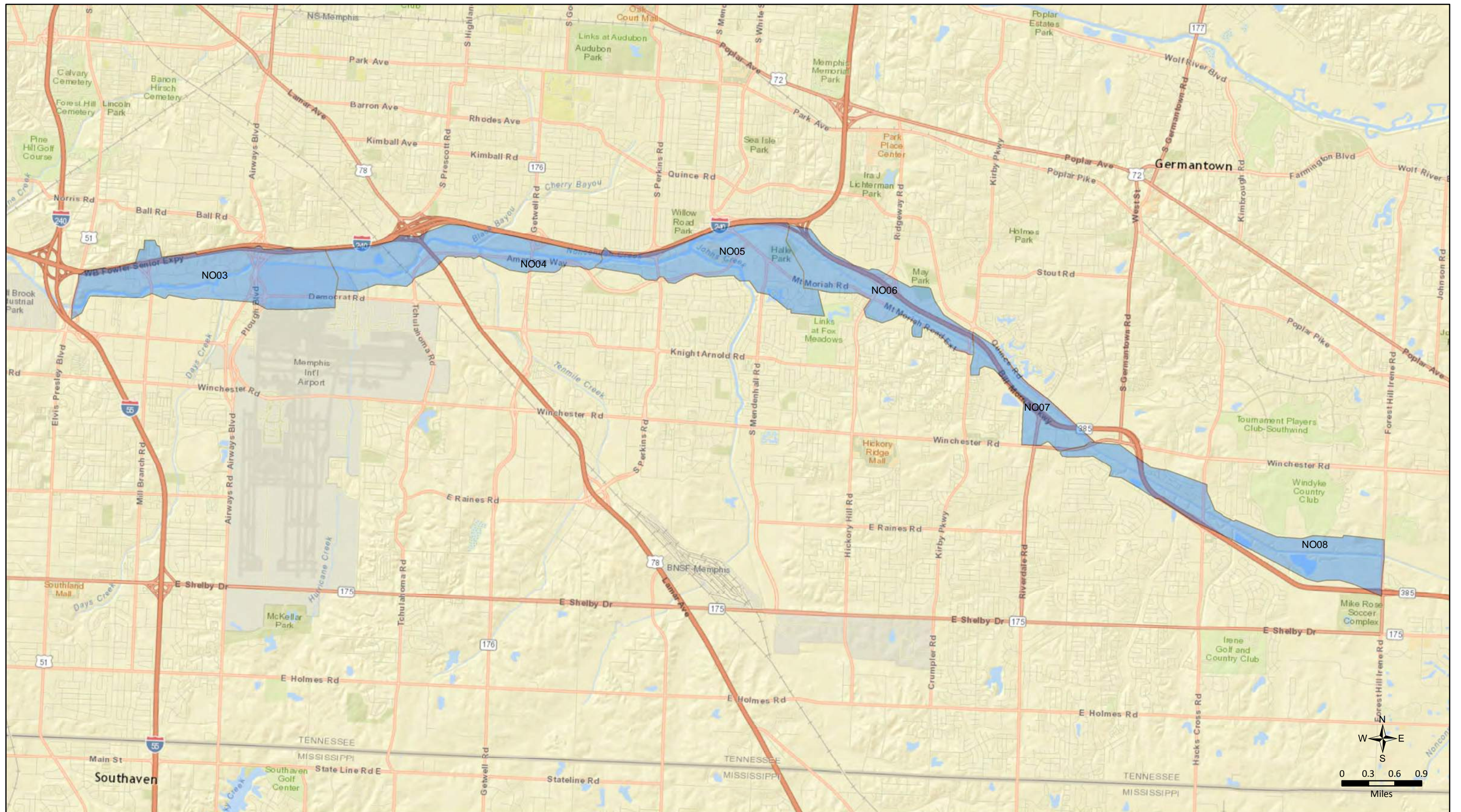


**Horn Lake South**

**Phase 6 Contract Areas  
Horn Lake South**





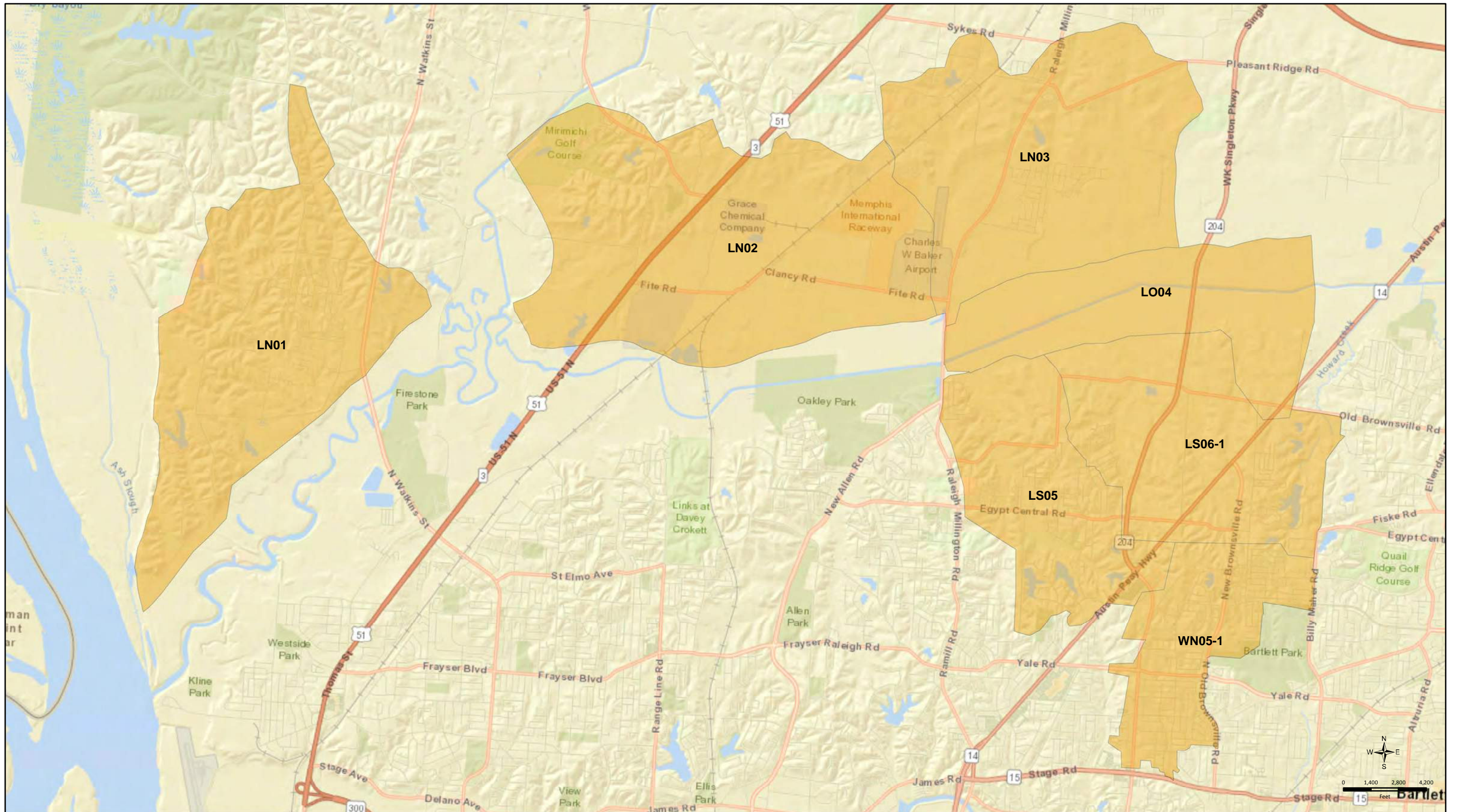


Nonconnah Interceptor

Phase 6 Contract Areas  
Nonconnah Interceptor





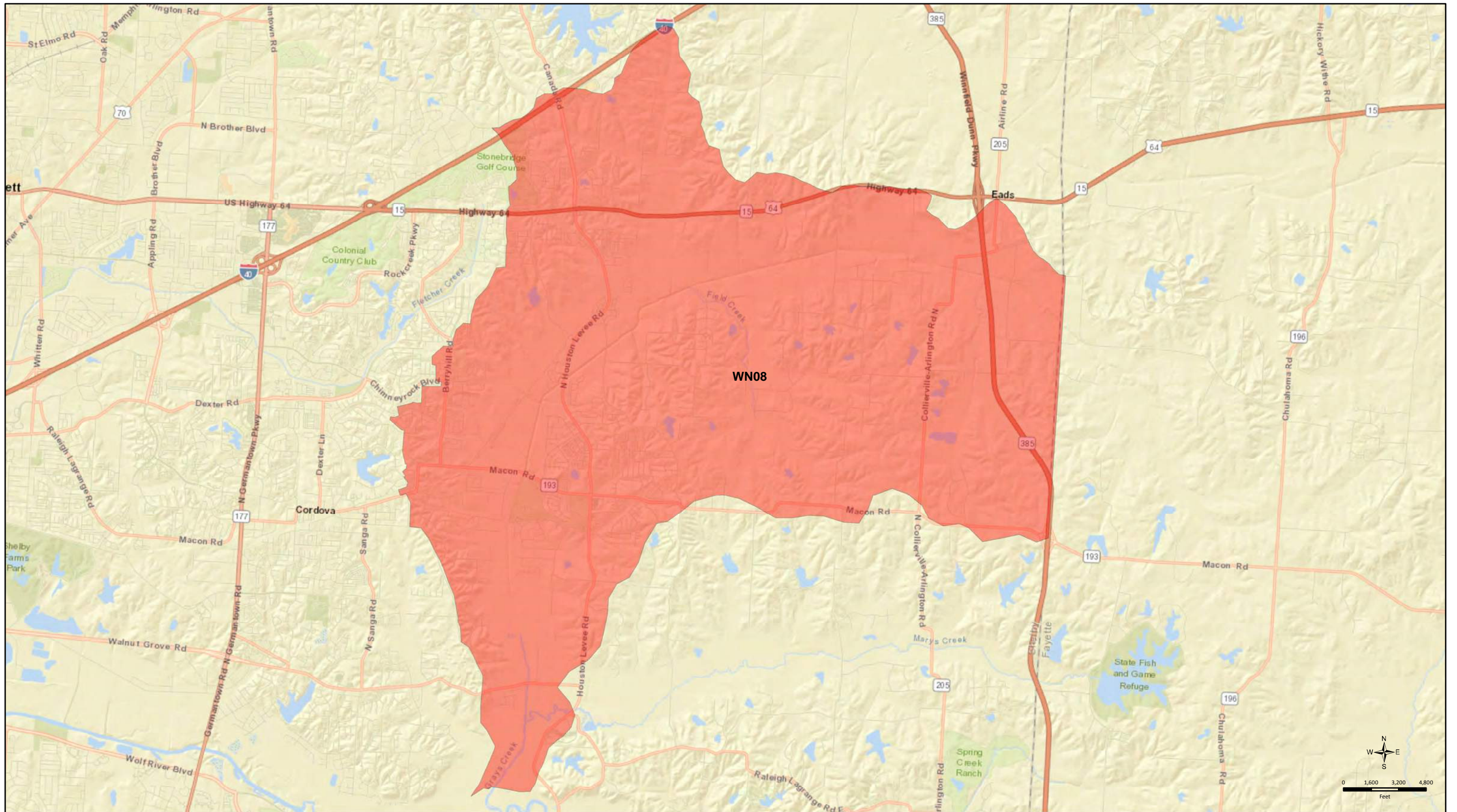


North Reserve

Phase 6 Contract Areas  
North Reserve







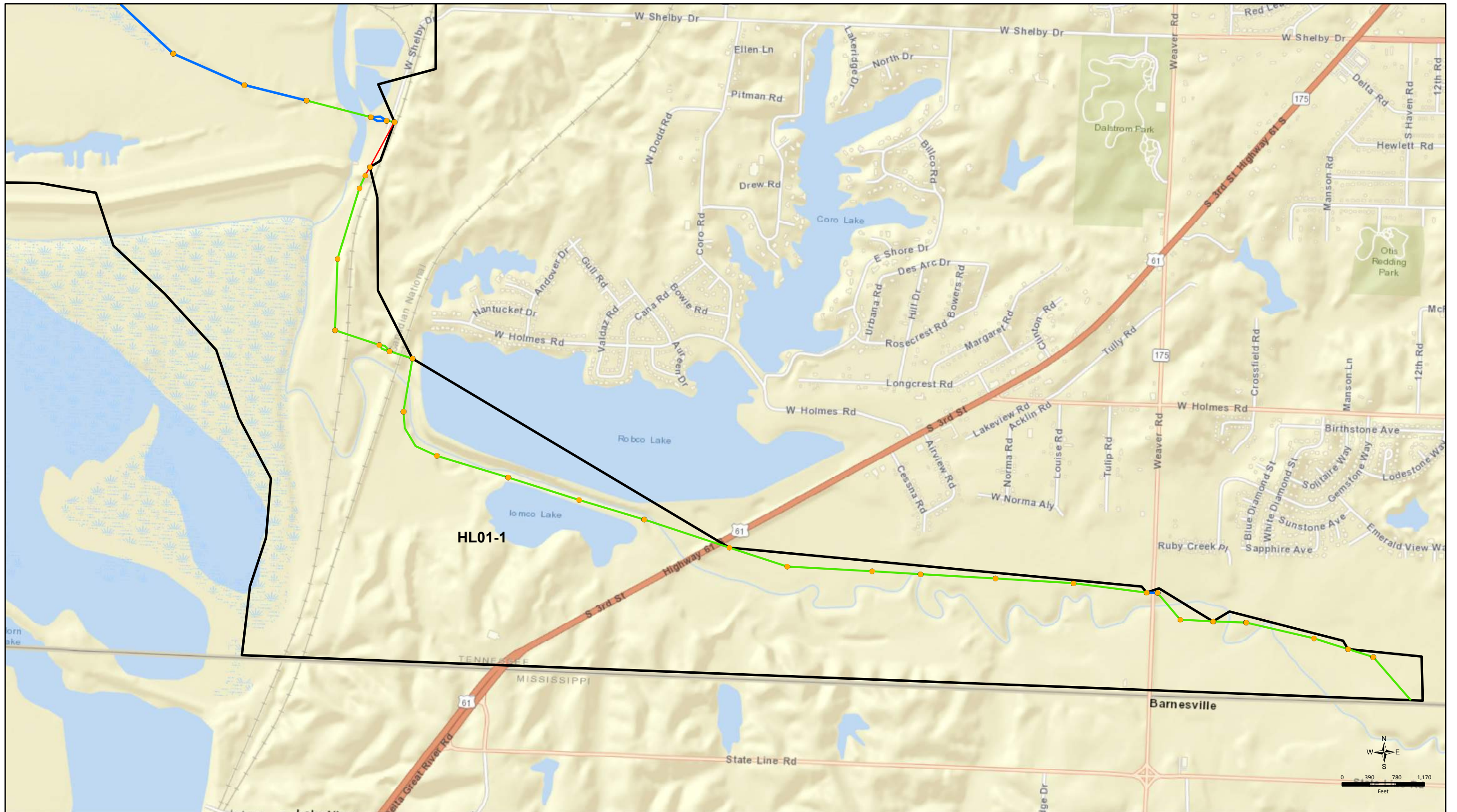
East Cordova Reserve







Phase 6 Contract Areas  
East Cordova Reserve



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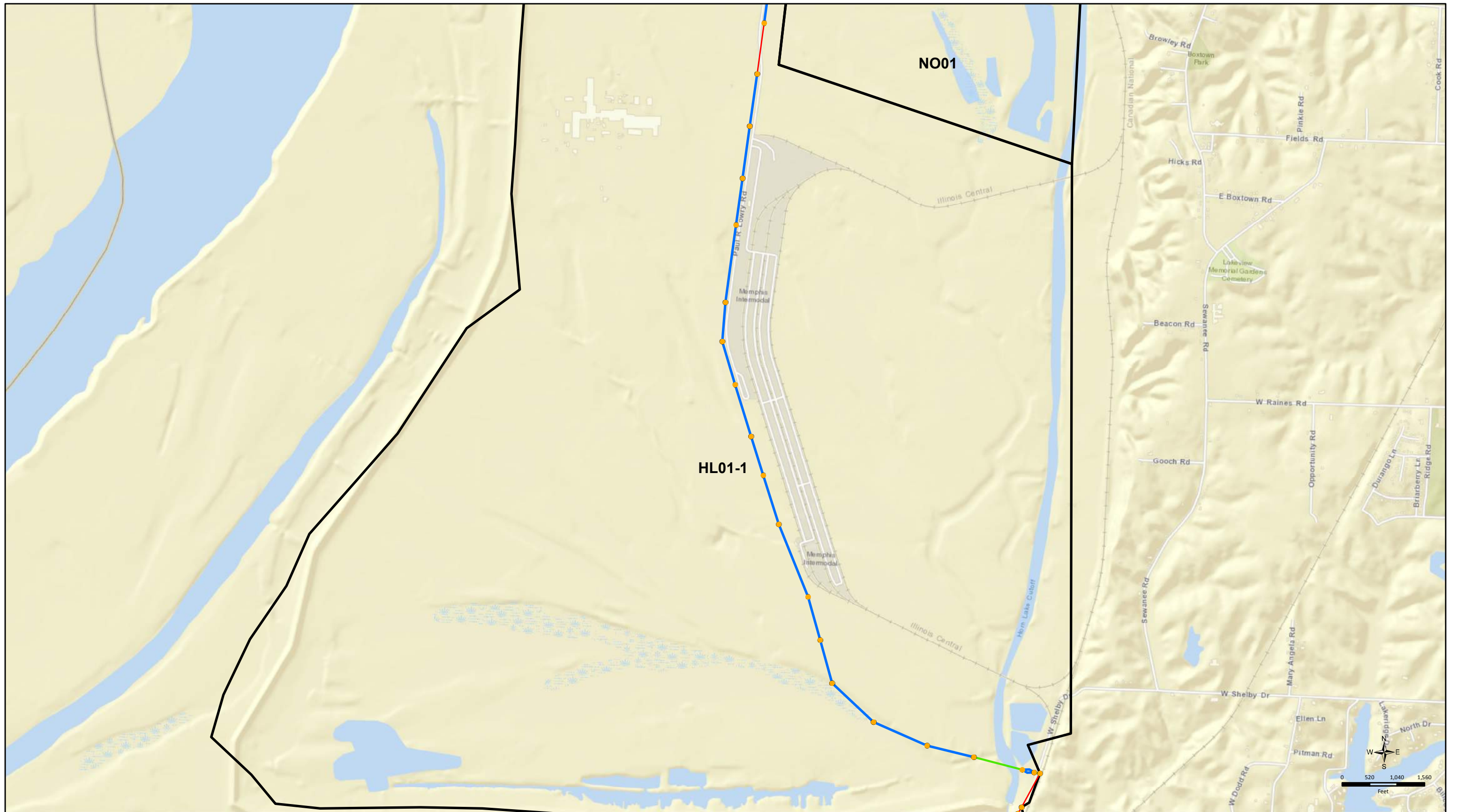


- |   |   |
|---|---|
|  Boundary                        |  Digitized                       |
|  Digitized                       |  Sonar                           |
|  Already Complete (Not in Scope) |  Already Complete (Not in Scope) |

**Phase 6**  
**Horn Lake Interceptor**  
 1 of 5





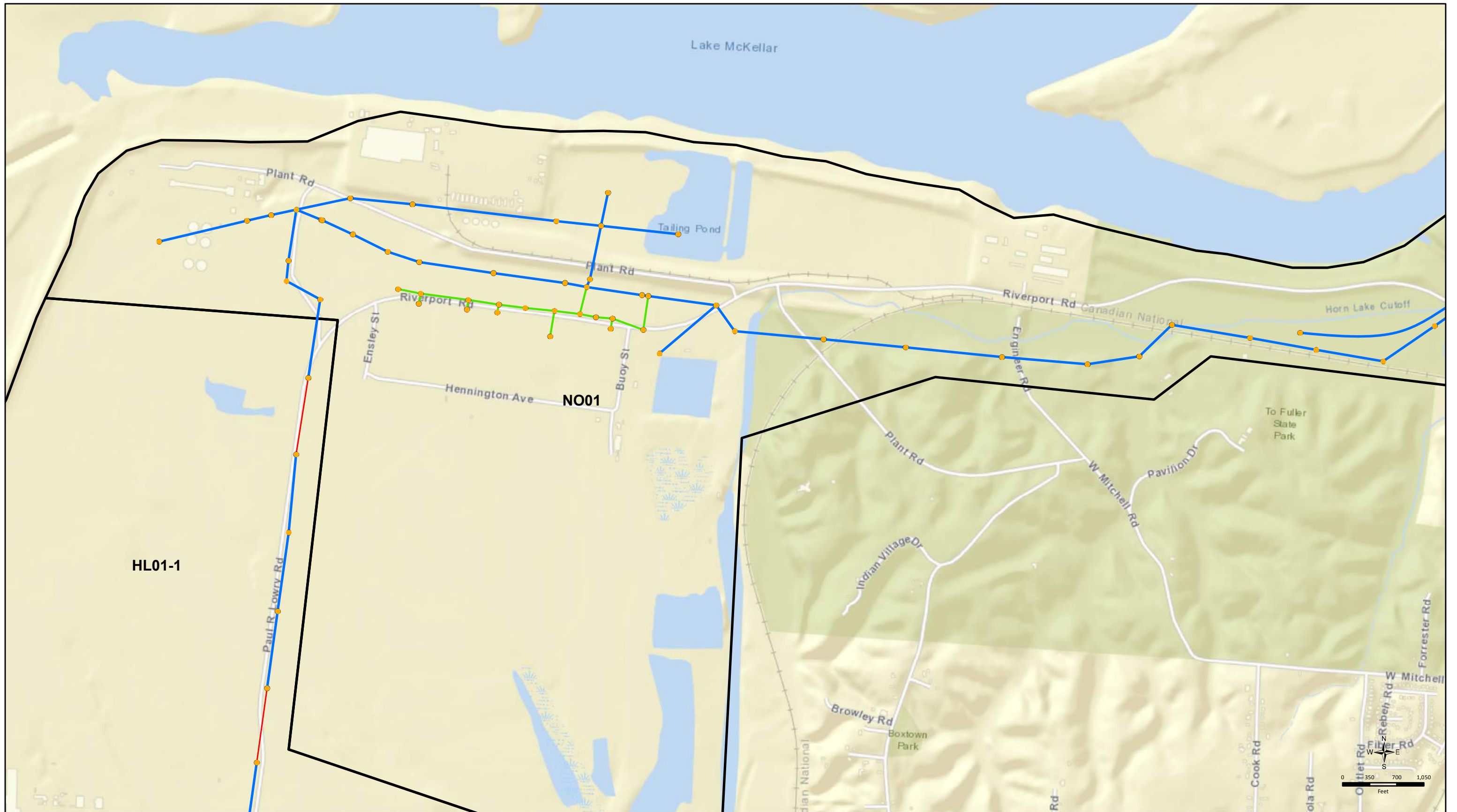








- Boundary
- Digitized
- Already Complete (Not in Scope)
- Digitized
- Sonar
- Already Complete (Not in Scope)

**Phase 6**  
**Horn Lake Interceptor**  
 2 of 5

**BLACK & VEATCH**  
 Building a world of difference.





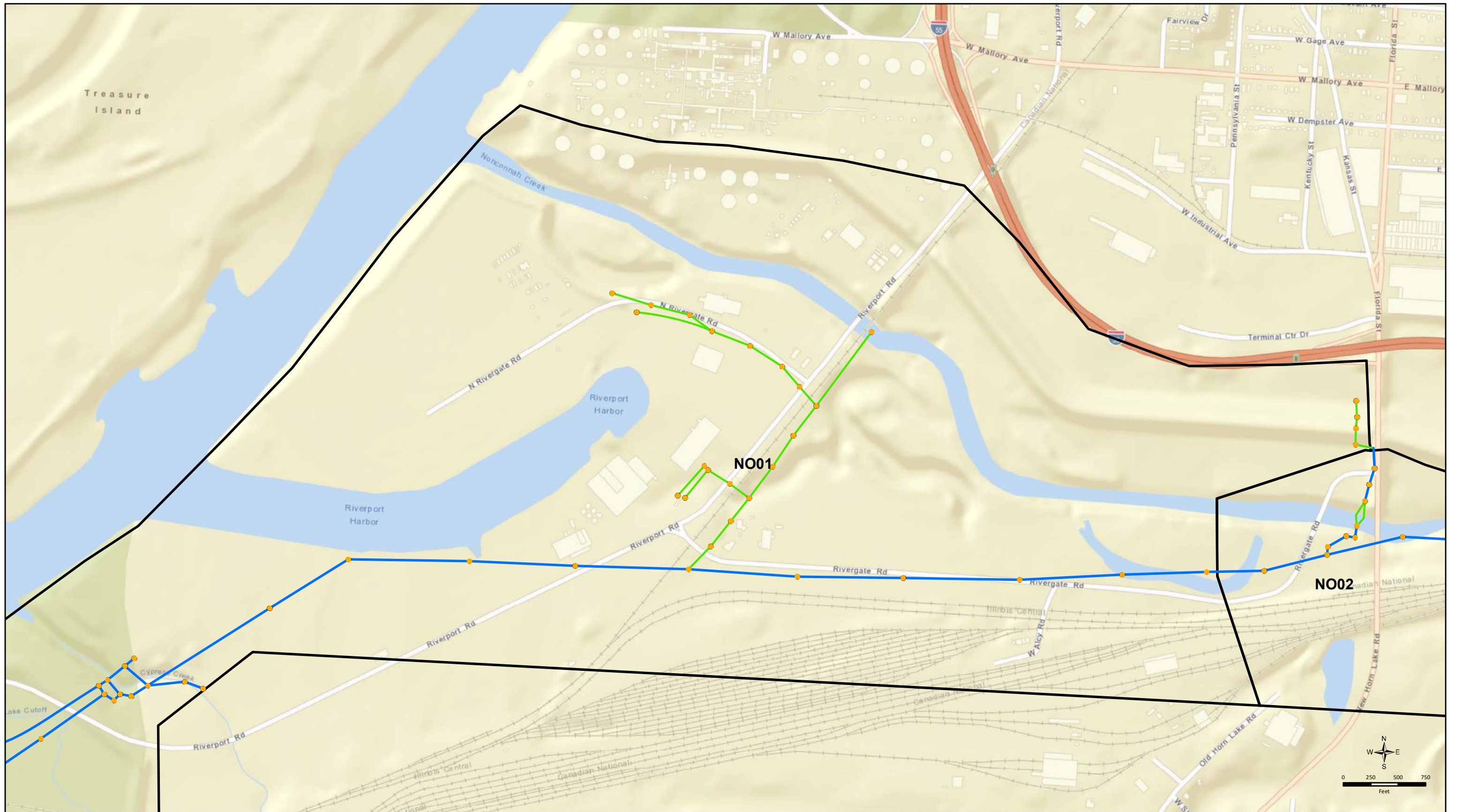
- |   |   |
|---|---|
|  Boundary                        |  Digitized                       |
|  Digitized                       |  Sonar                           |
|  Already Complete (Not in Scope) |  Already Complete (Not in Scope) |







**Phase 6**  
**Horn Lake Interceptor**  
 3 of 5



**BLACK & VEATCH**  
 Building a world of difference.



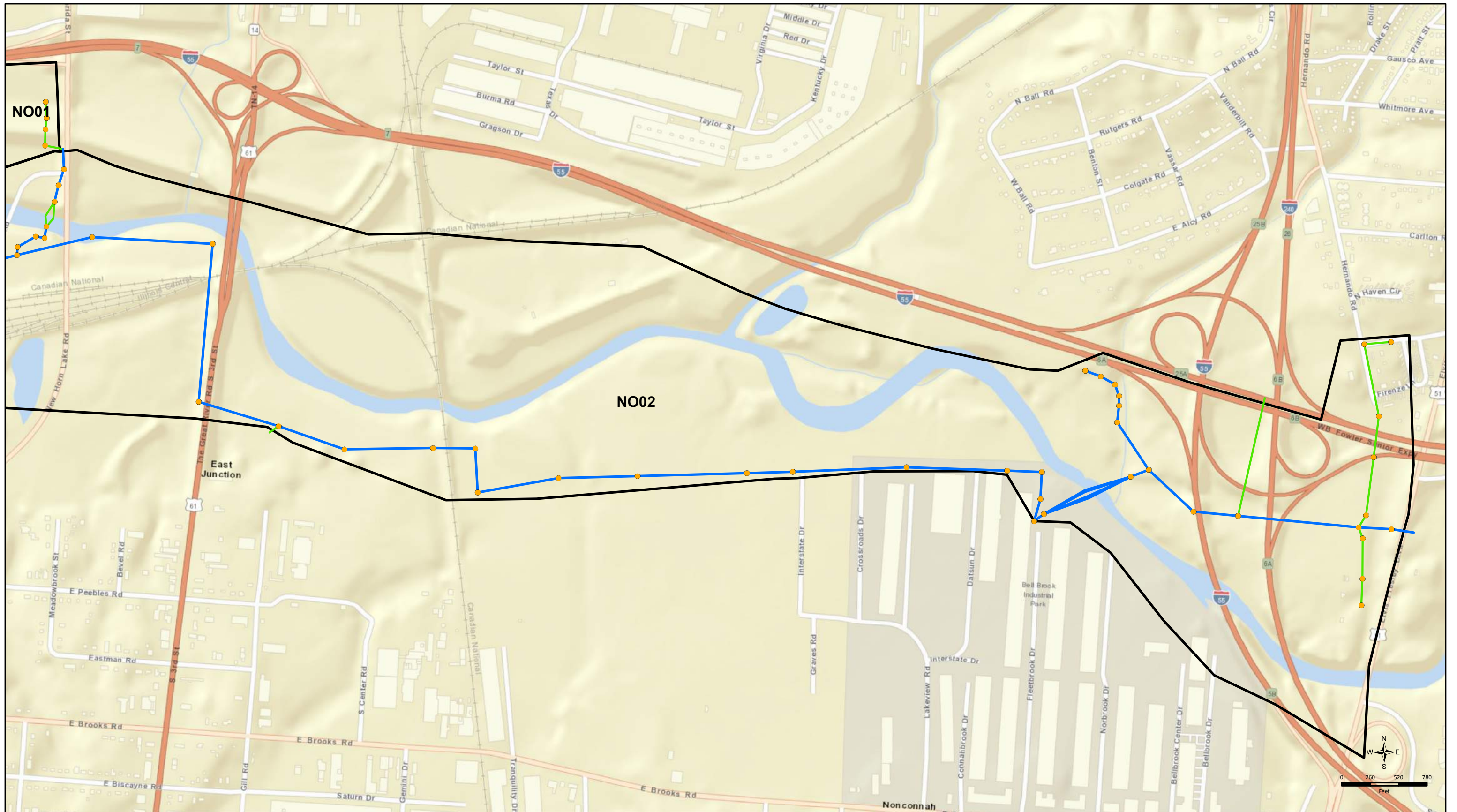


- |   |   |
|---|---|
|  Boundary                        |  Digitized                       |
|  Digitized                       |  Sonar                           |
|  Already Complete (Not in Scope) |  Already Complete (Not in Scope) |

**Phase 6**  
**Horn Lake Interceptor**  
 4 of 5





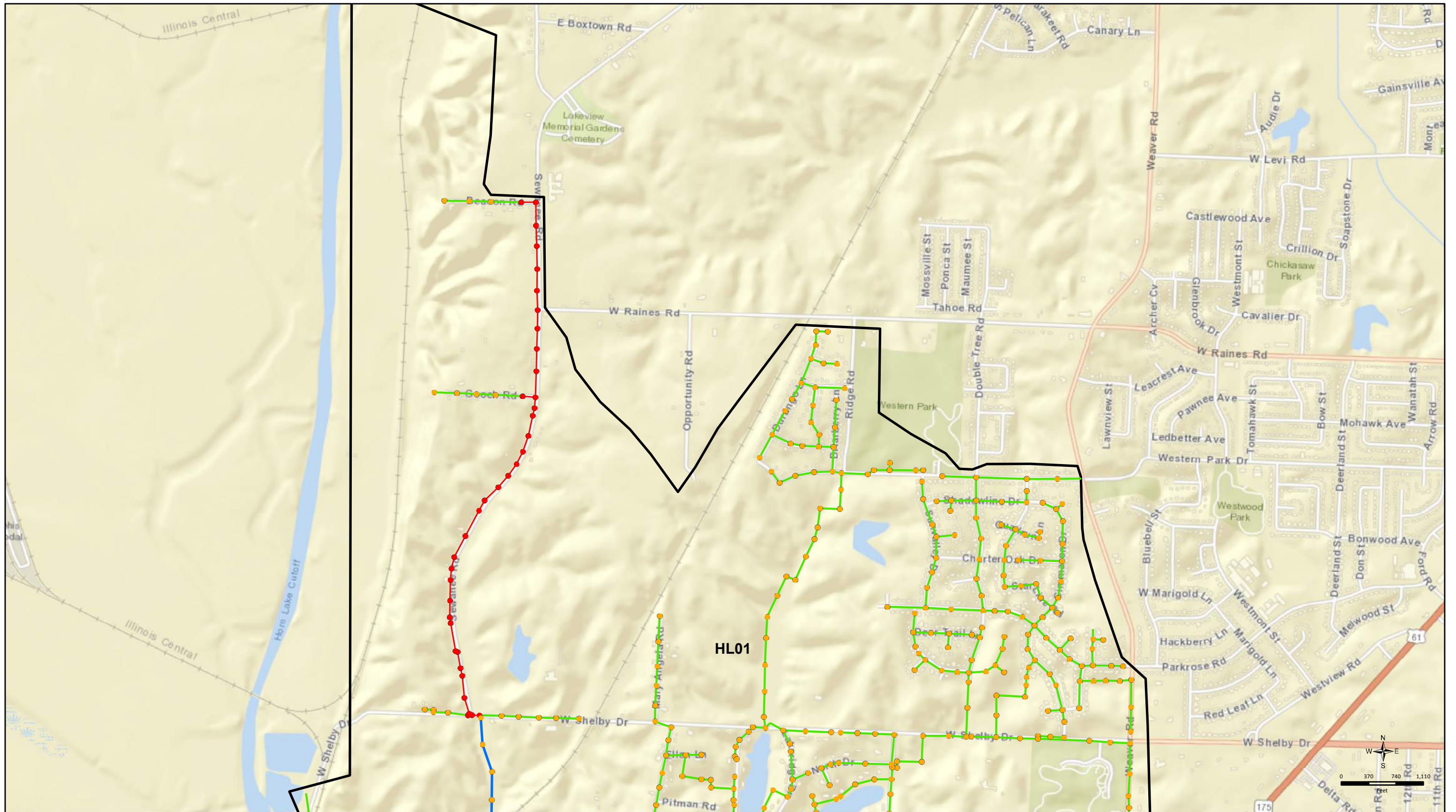





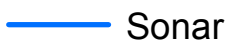


- Boundary
- Digitized
- Sonar
- Already Complete (Not in Scope)
- Digitized
- Sonar
- Already Complete (Not in Scope)

**Phase 6**  
**Horn Lake Interceptor**  
 5 of 5





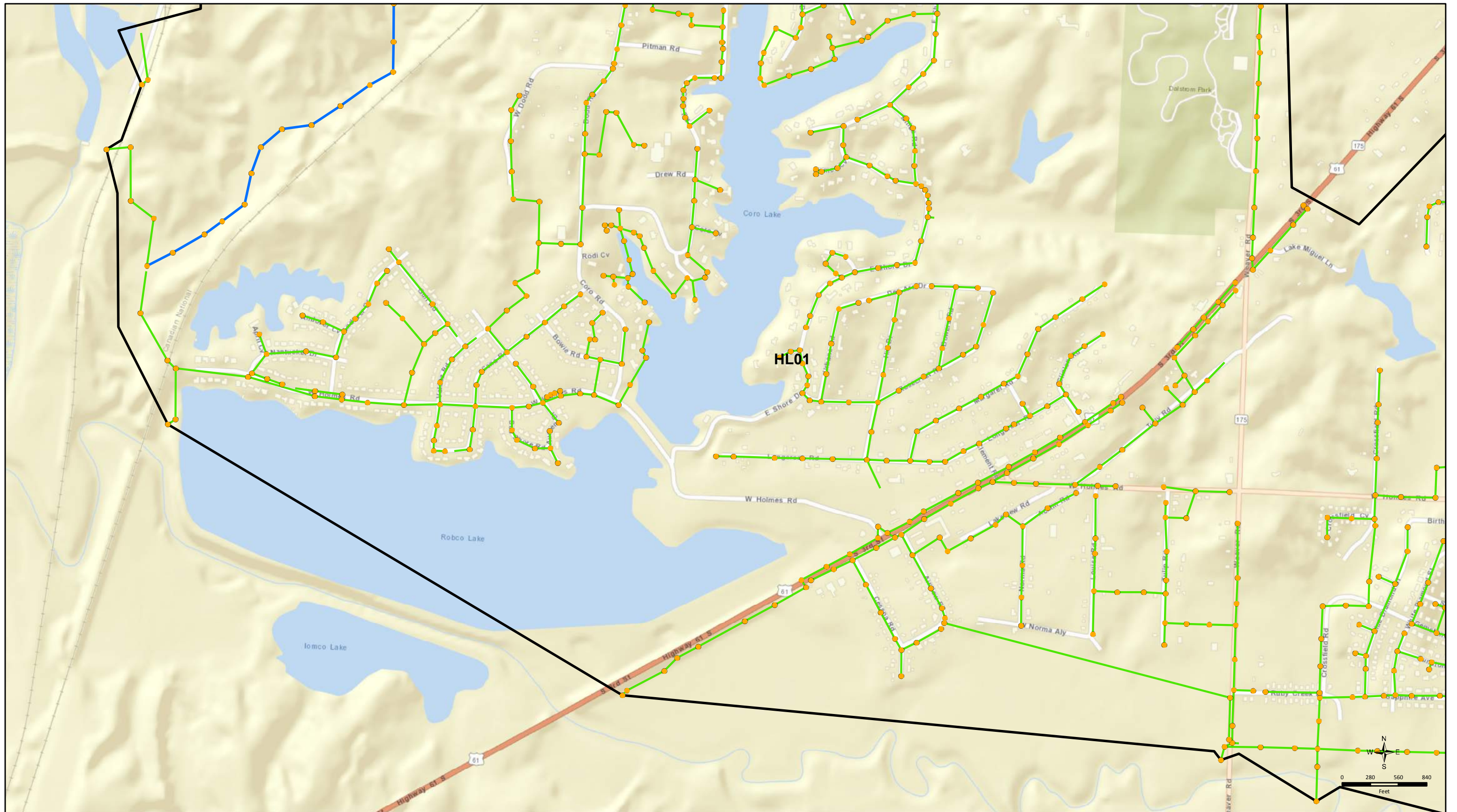


- |   |   |
|---|---|
|  Boundary                        |  Digitized                       |
|  Digitized                       |  Sonar                           |
|  Already Complete (Not in Scope) |  Already Complete (Not in Scope) |







**Phase 6**  
**Horn Lake South**  
 1 of 6







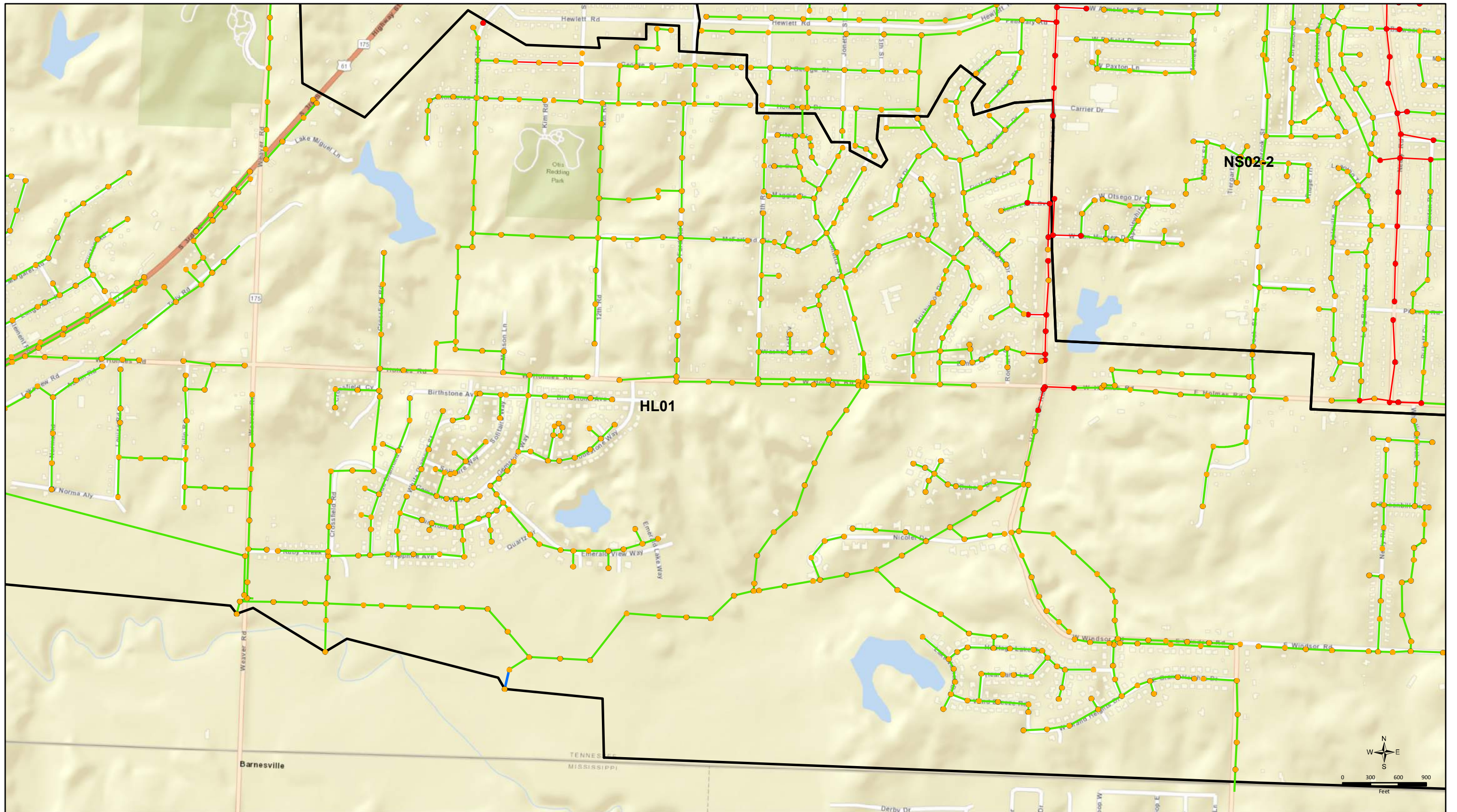
HL01







- |   |                                 |   |                                 |
|---|---------------------------------|---|---------------------------------|
|  | Boundary                        |  | Digitized                       |
|  | Digitized                       |  | Sonar                           |
|  | Already Complete (Not in Scope) |  | Already Complete (Not in Scope) |

**Phase 6**  
**Horn Lake South**  
 2 of 6





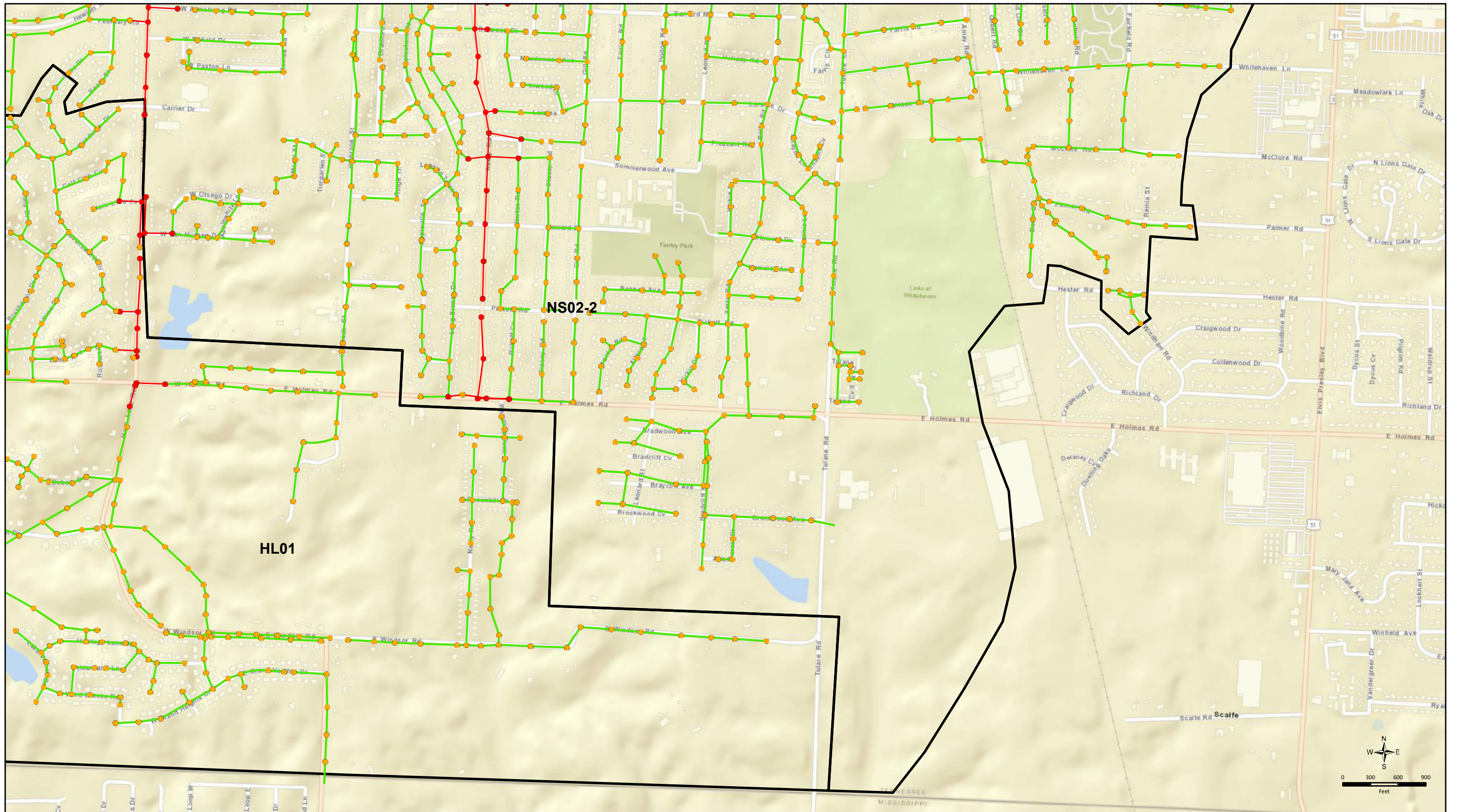








- |   |   |
|---|---|
|  Boundary                        |  Digitized                       |
|  Digitized                       |  Sonar                           |
|  Already Complete (Not in Scope) |  Already Complete (Not in Scope) |

**Phase 6**  
**Horn Lake South**  
 3 of 6





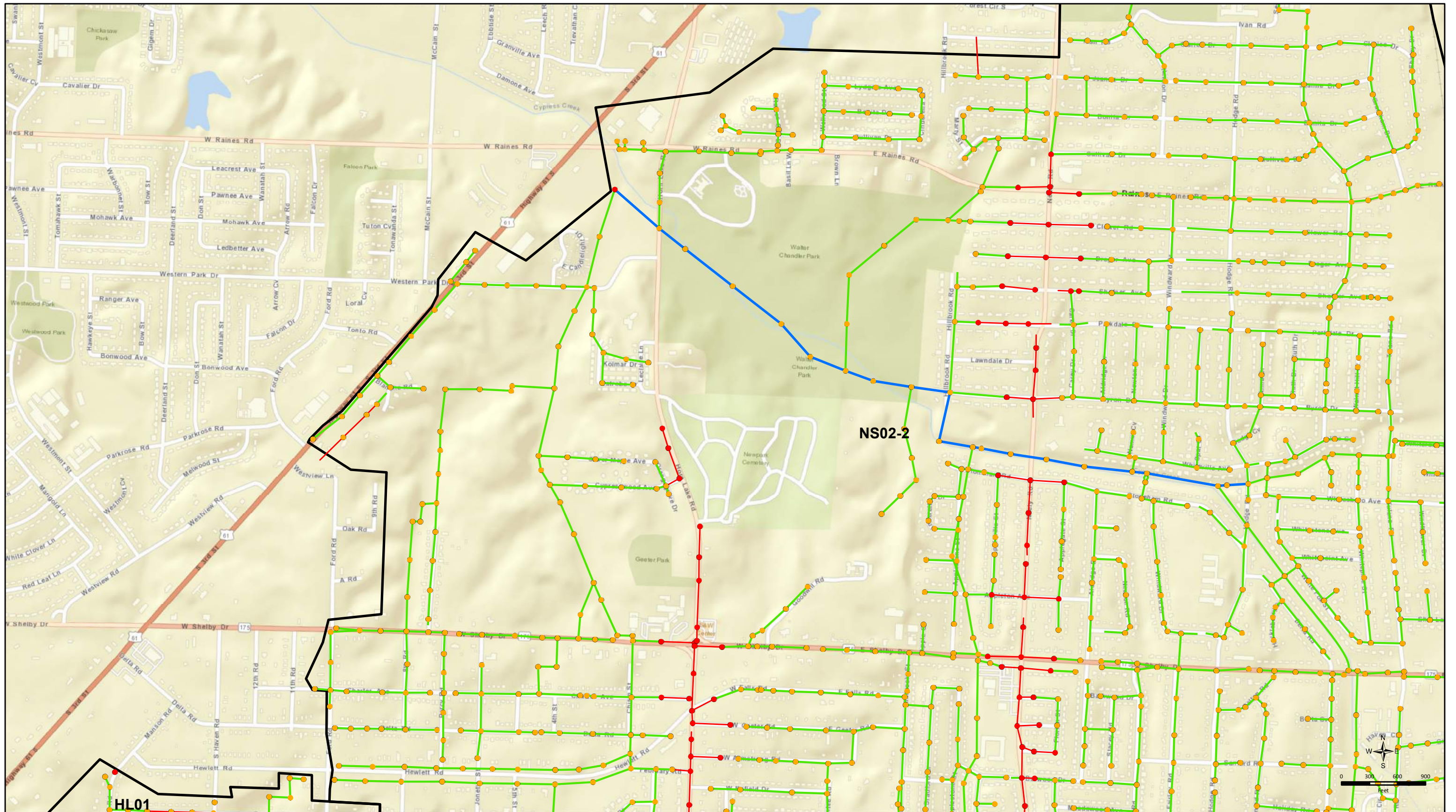


- |   |   |
|---|---|
|  Boundary                        |  Digitized                       |
|  Digitized                       |  Sonar                           |
|  Already Complete (Not in Scope) |  Already Complete (Not in Scope) |

**Phase 6**  
**Horn Lake South**  
 4 of 6







HL01

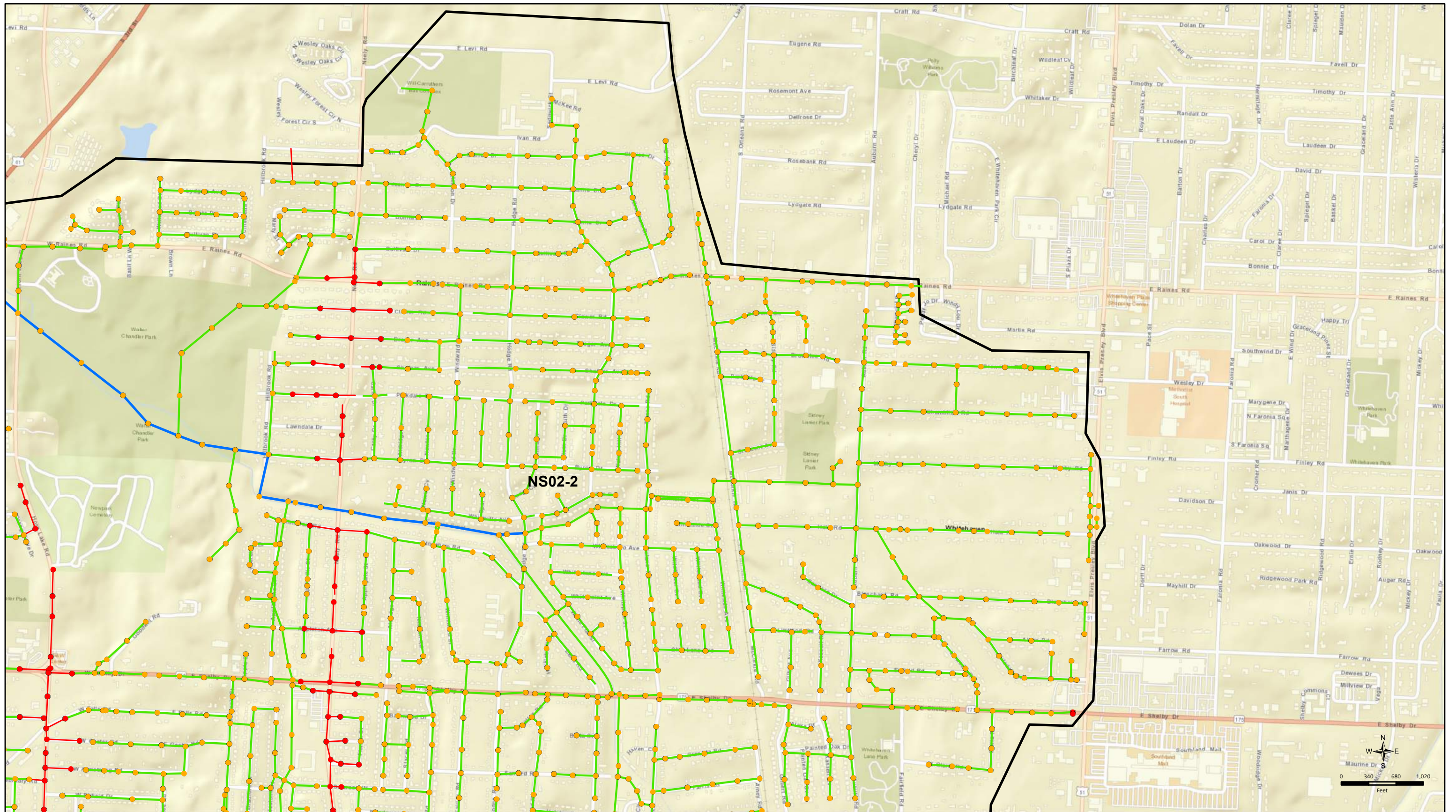
NS02-2

- Boundary
- Digitized
- Digitized
- Sonar
- Already Complete (Not in Scope)
- Already Complete (Not in Scope)

**Phase 6**  
**Horn Lake South**  
 5 of 6







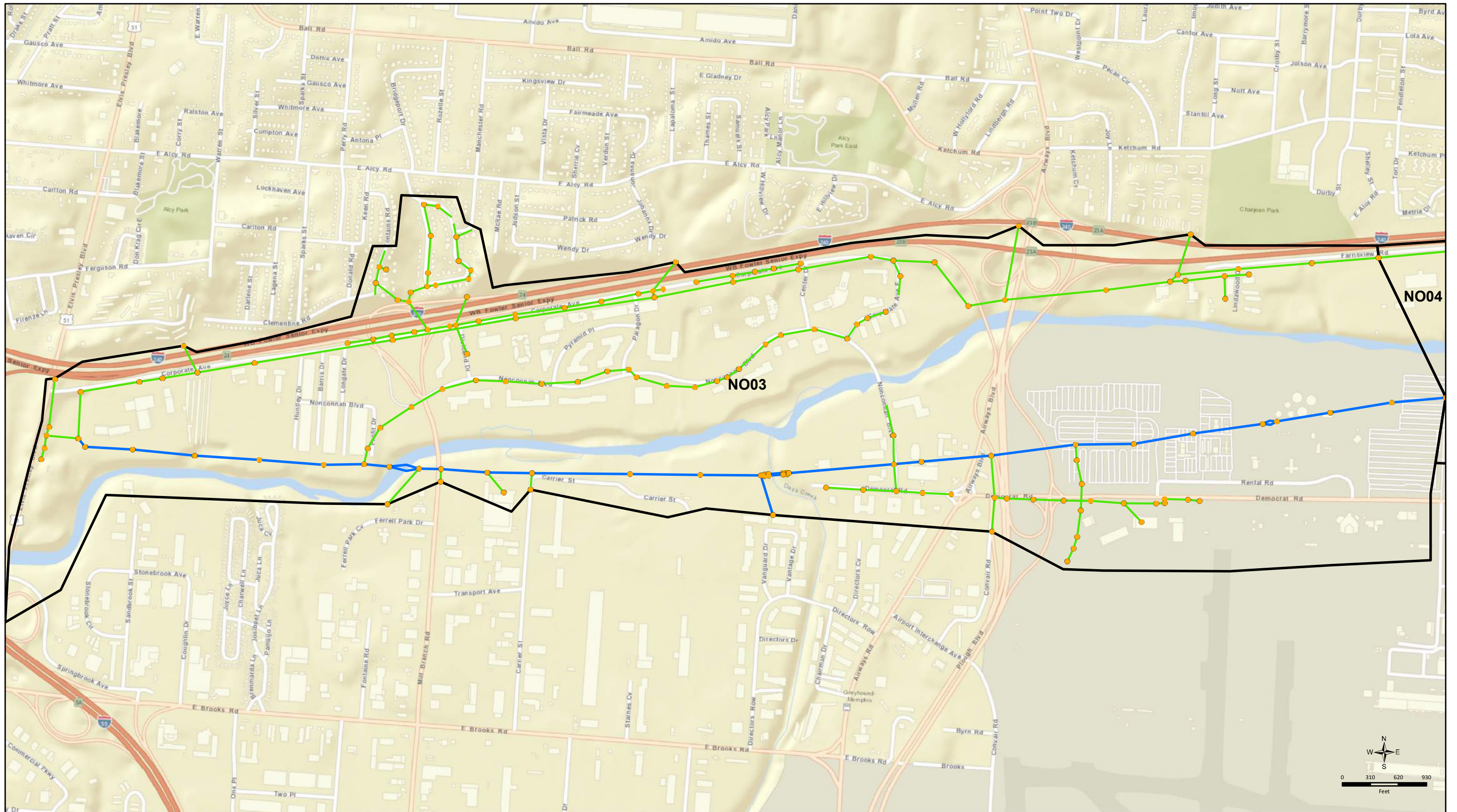
NS02-2

- Boundary
- Digitized
- Sonar
- Already Complete (Not in Scope)
- Digitized
- Already Complete (Not in Scope)

**Phase 6**  
**Horn Lake South**  
 6 of 6



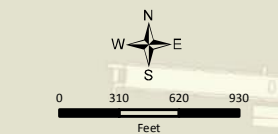




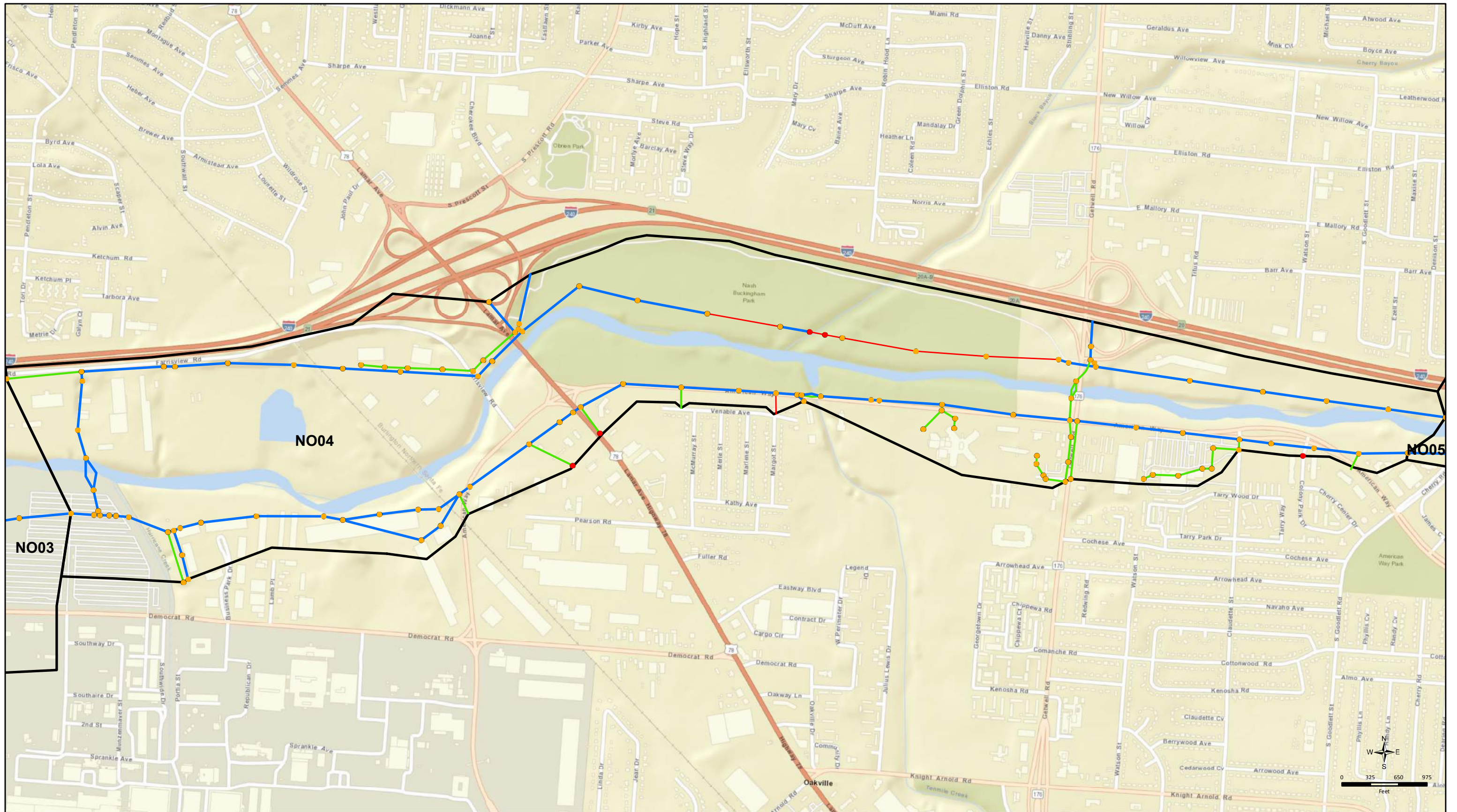
- Boundary
- Digitized
- Sonar
- Already Complete (Not in Scope)
- Digitized
- Already Complete (Not in Scope)

## Phase 6 Nonconnah Interceptor

1 of 6







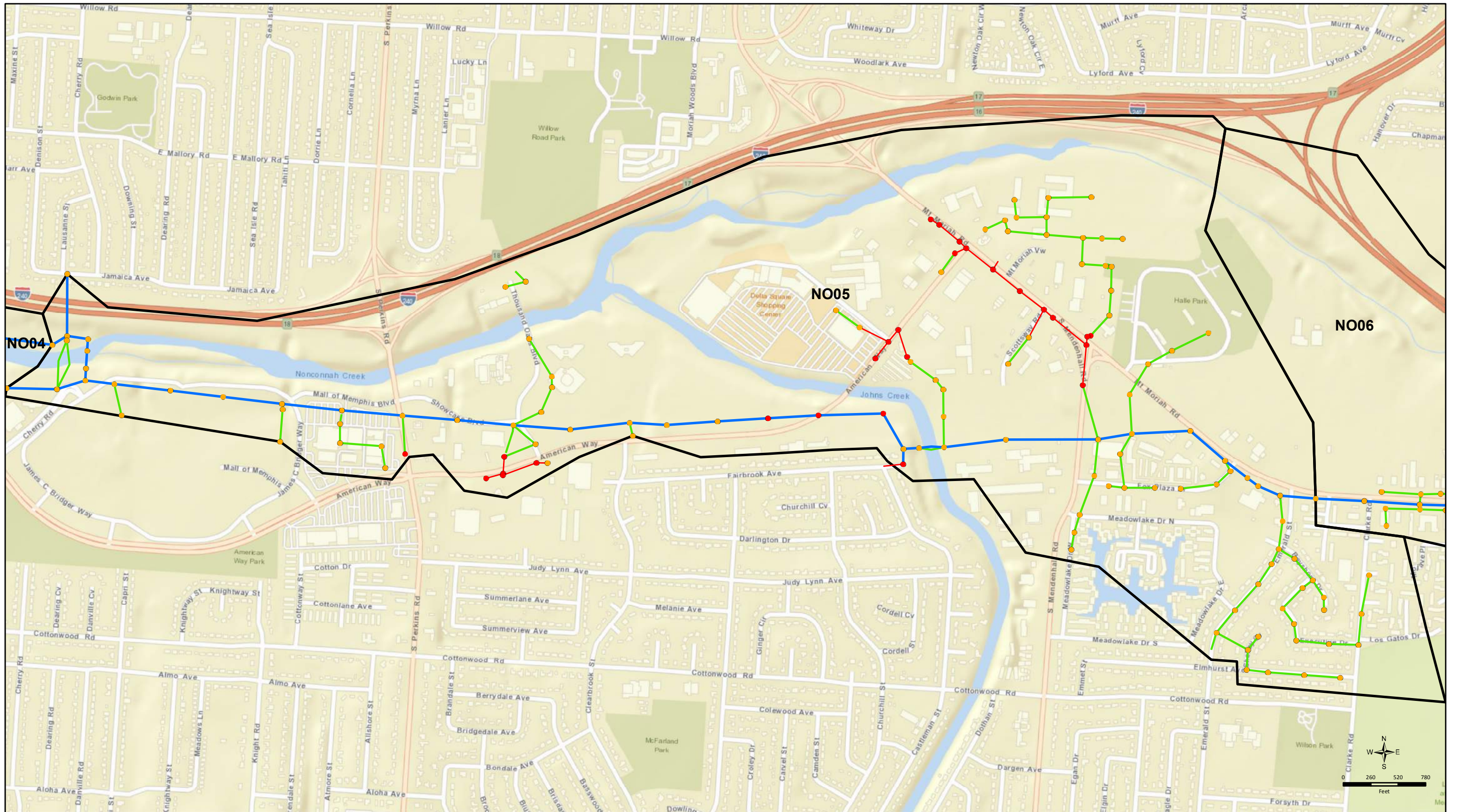
- Boundary
- Digitized
- Sonar
- Digitized
- Already Complete (Not in Scope)
- Already Complete (Not in Scope)

**Phase 6  
Nonconnah Interceptor**

2 of 6





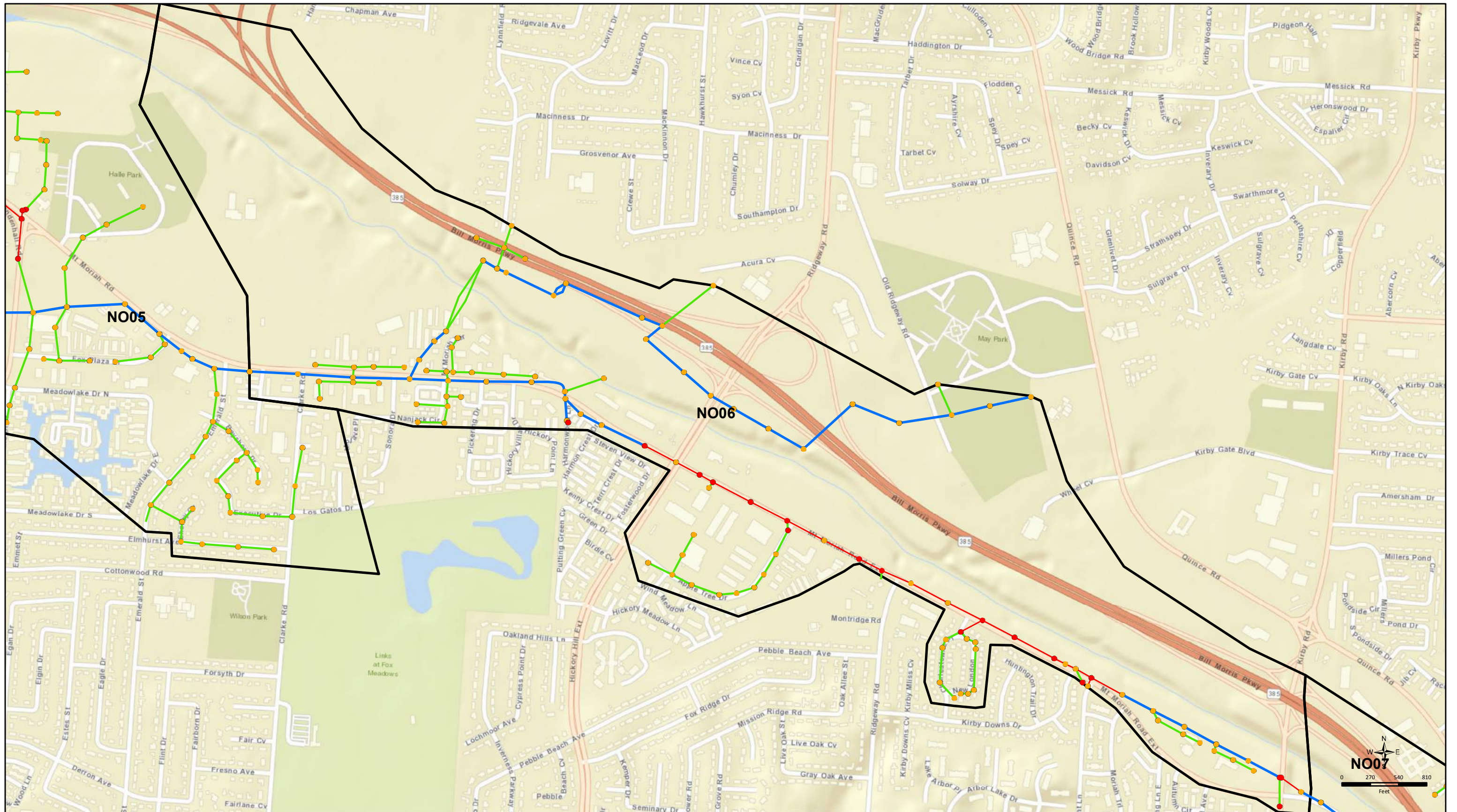


- Boundary
- Digitized
- Sonar
- Digitized
- Already Complete (Not in Scope)
- Already Complete (Not in Scope)

**Phase 6  
Nonconnah Interceptor**  
3 of 6







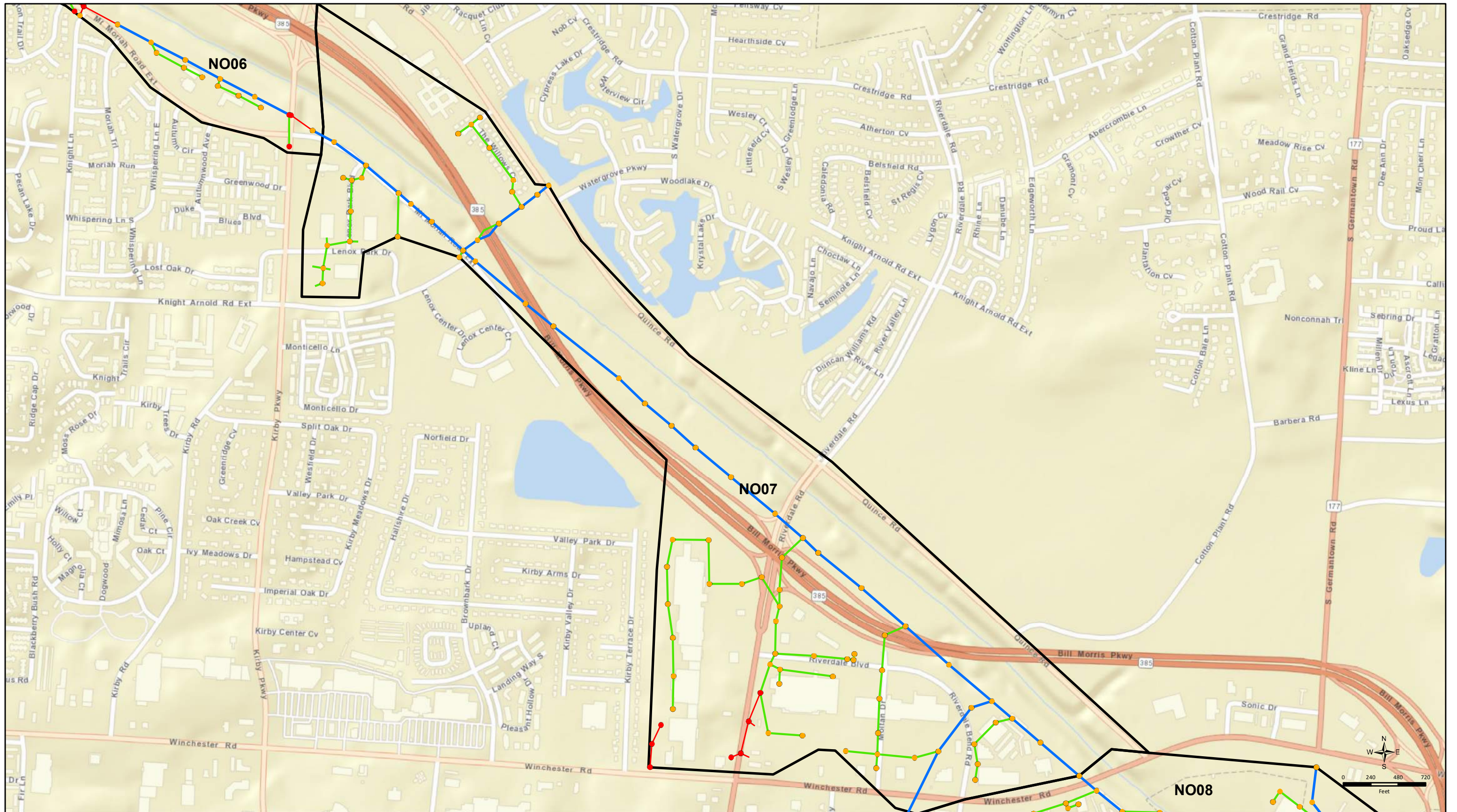
- Boundary
- Digitized
- Sonar
- Already Complete (Not in Scope)
- Digitized
- Sonar
- Already Complete (Not in Scope)

**Phase 6  
Nonconnah Interceptor**

4 of 6





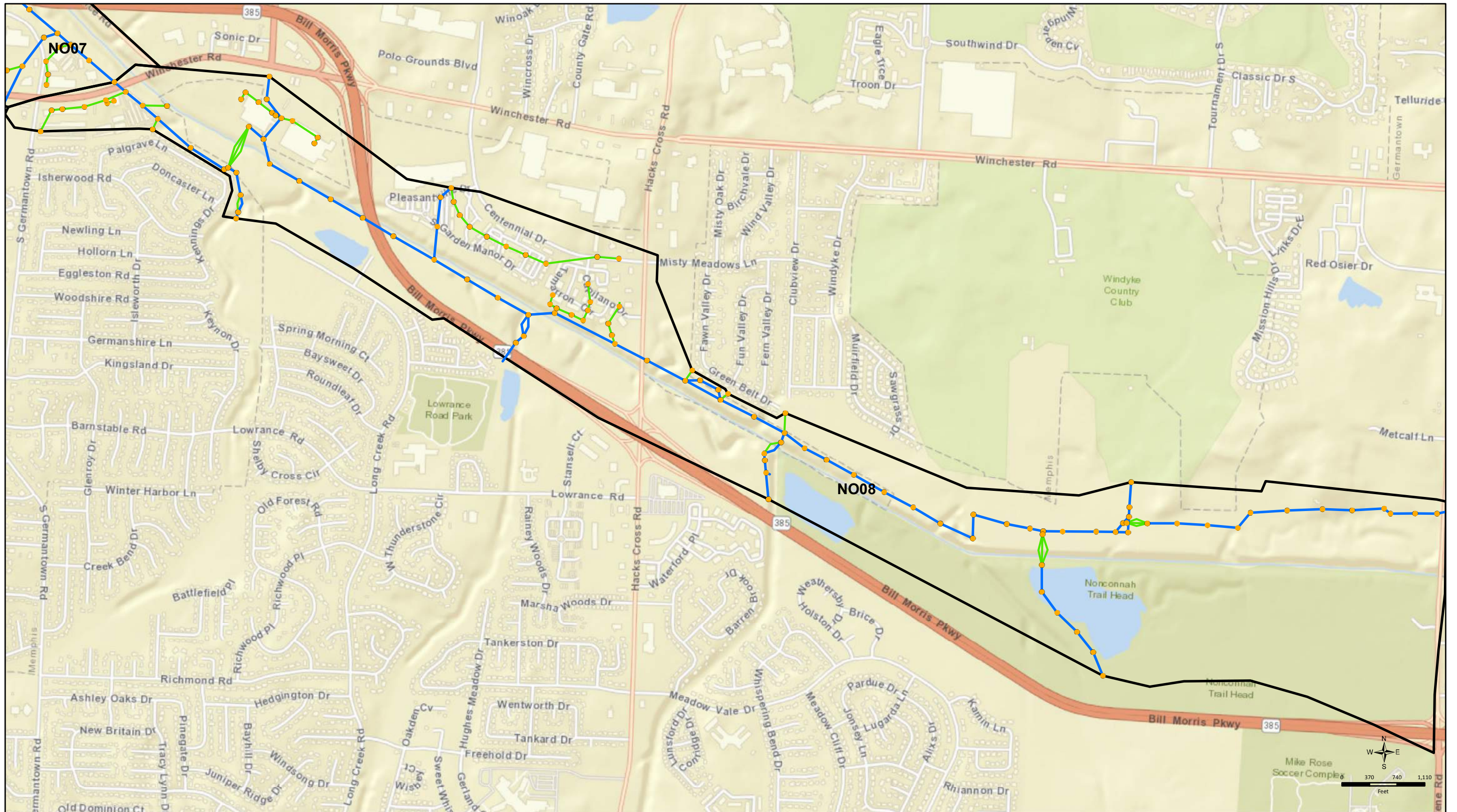


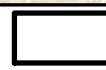
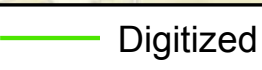




- Boundary
- Digitized
- Sonar
- Already Complete (Not in Scope)
- Digitized
- Sonar
- Already Complete (Not in Scope)

**Phase 6  
Nonconnah Interceptor**



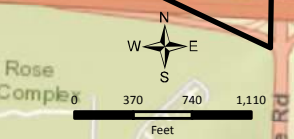




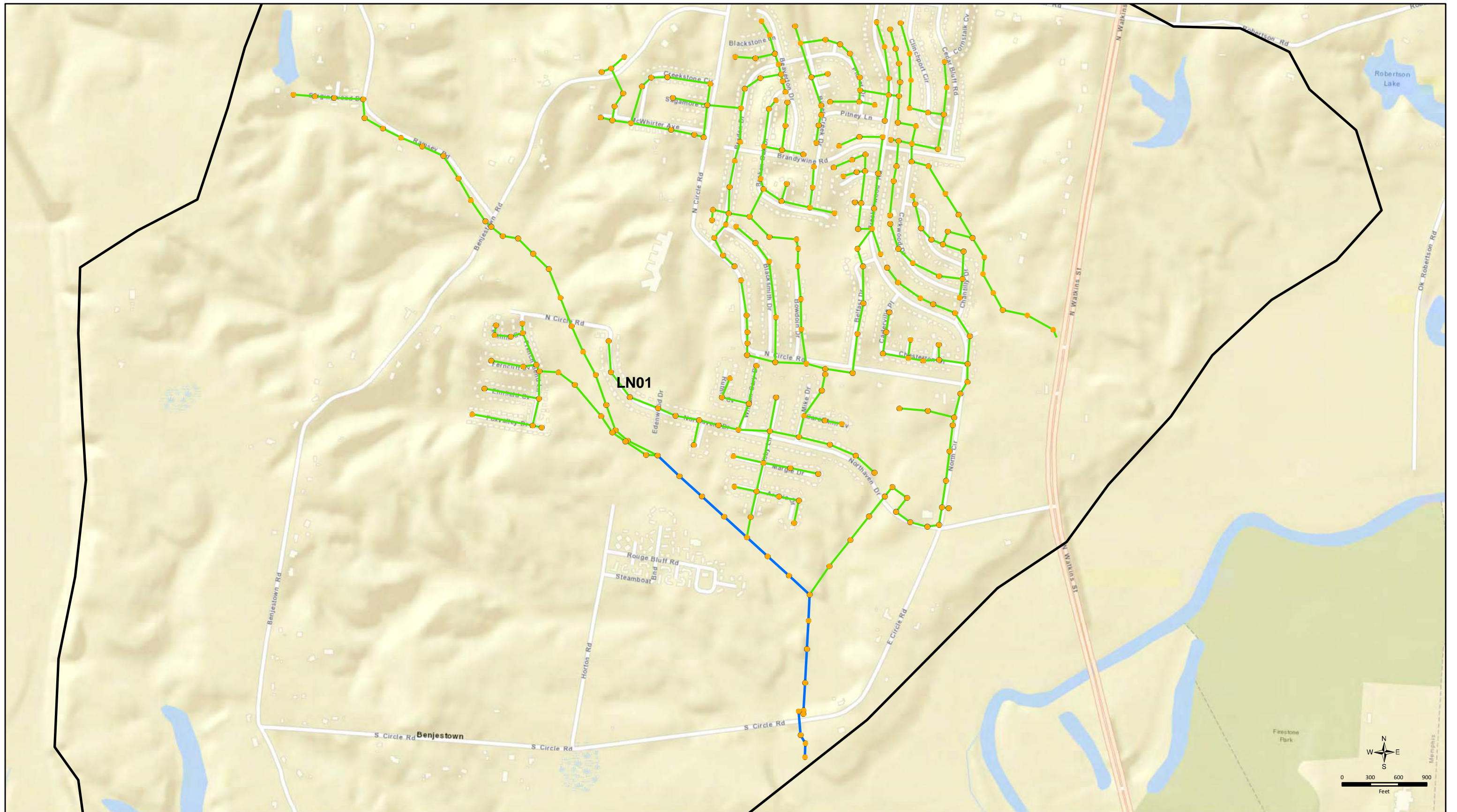
- |  |   |
|--|---|
|  Boundary                         |  Digitized                       |
|  Digitized                        |  Sonar                           |
|  Already Complete (Not in Scope) |  Already Complete (Not in Scope) |







**Phase 6  
Nonconnah Interceptor**

6 of 6





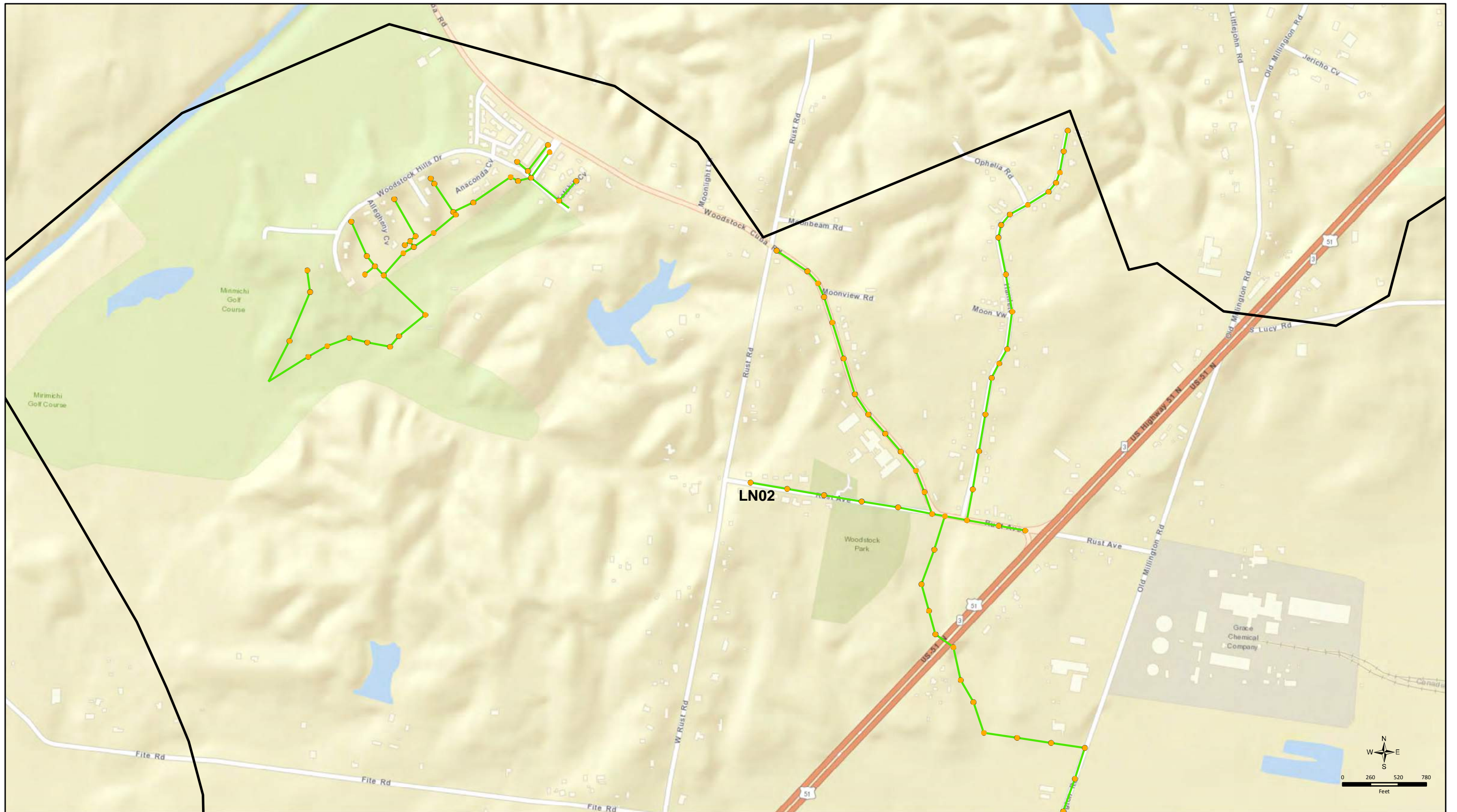








- |   |   |
|---|---|
|  Boundary                        |  Already Complete (Not in Scope) |
|  Digitized                       |  Digitized                       |
|  Already Complete (Not in Scope) |  Sonar                           |

**Phase 6**  
**North Reserve Area**  
 1 of 14







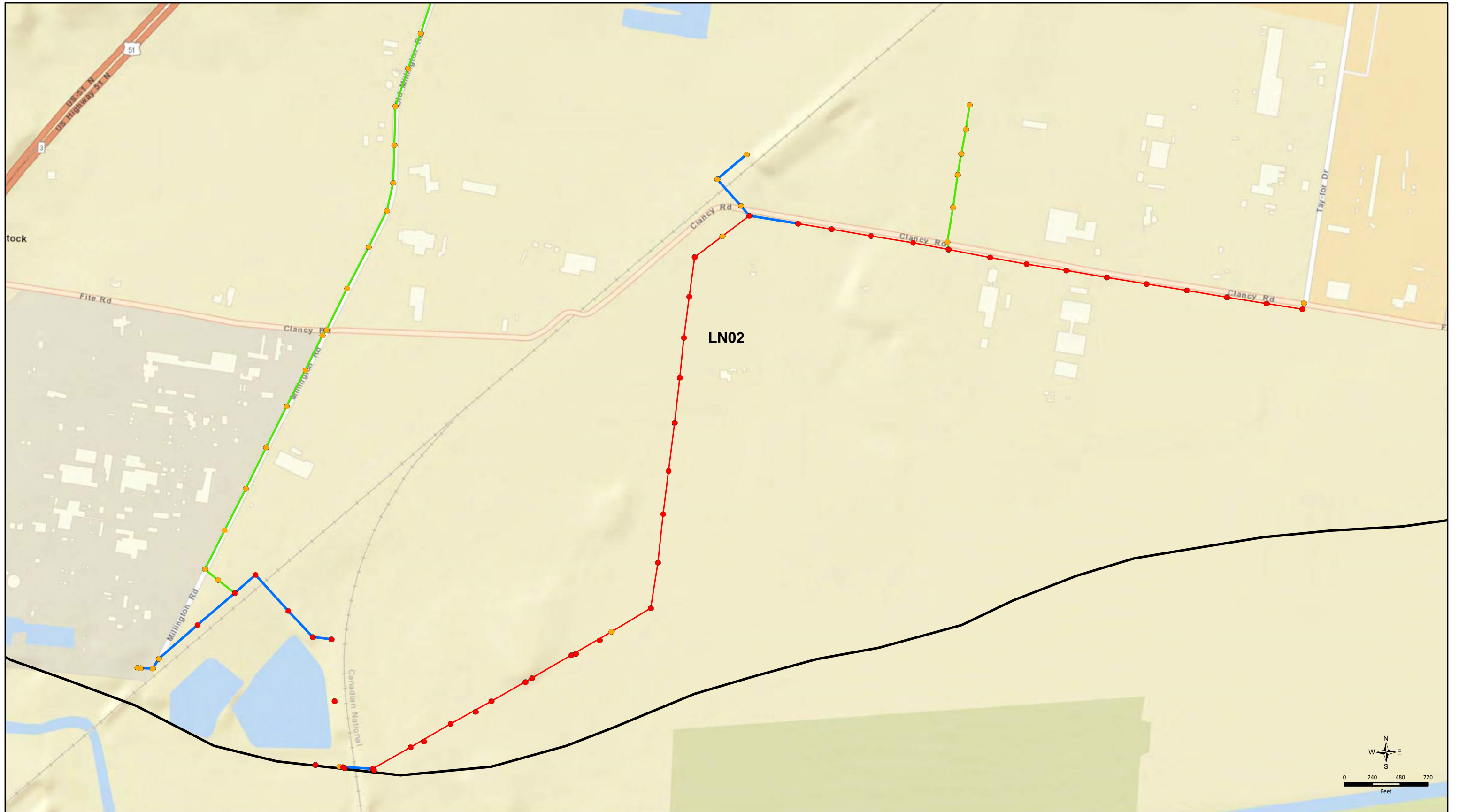
- |   |   |
|---|---|
|  Boundary                        |  Already Complete (Not in Scope) |
|  Digitized                       |  Digitized                       |
|  Already Complete (Not in Scope) |  Sonar                           |







**Phase 6**  
**North Reserve Area**  
 2 of 14



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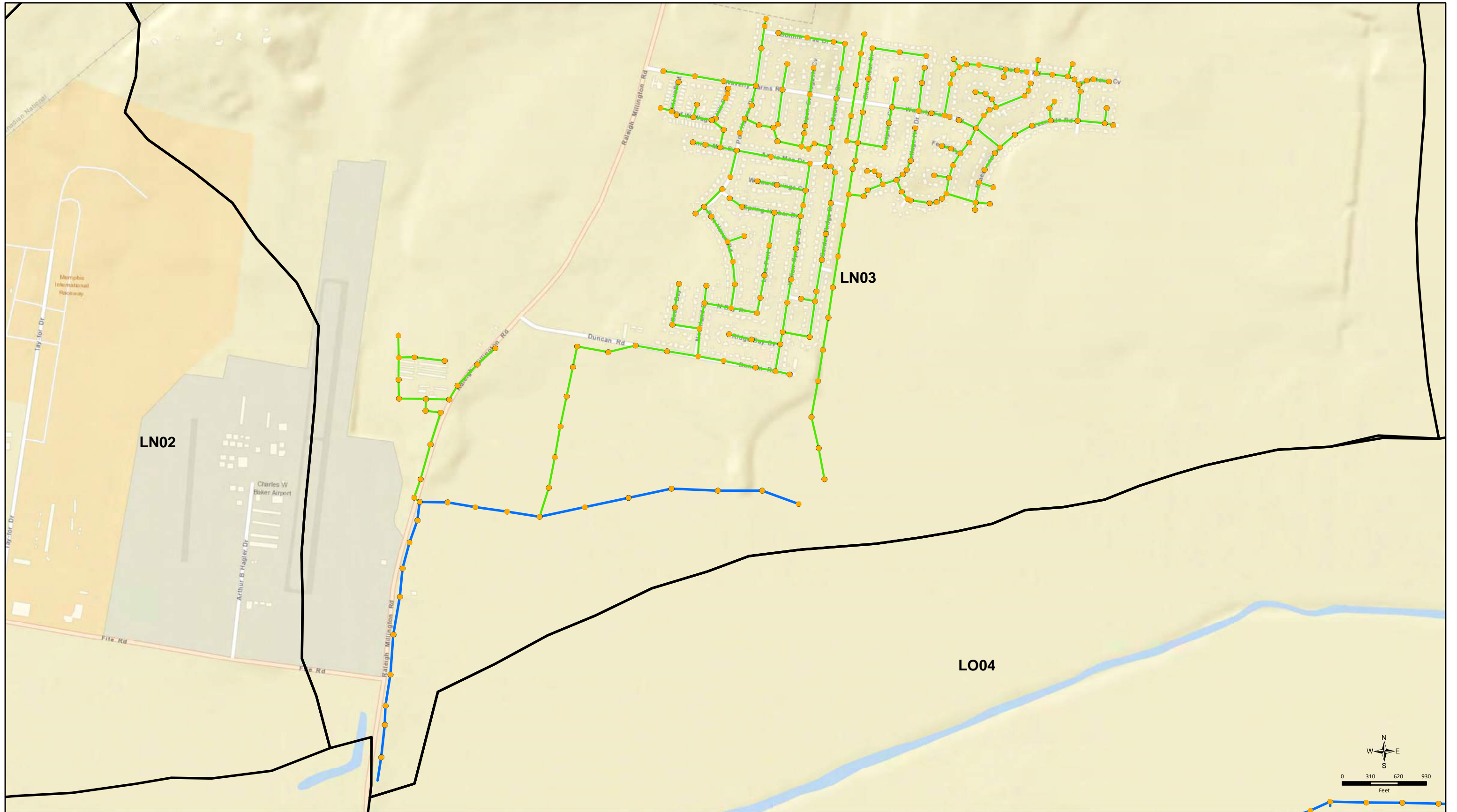








- |   |   |
|---|---|
|  Boundary                        |  Already Complete (Not in Scope) |
|  Digitized                       |  Digitized                       |
|  Already Complete (Not in Scope) |  Sonar                           |

**Phase 6**  
**North Reserve Area**  
 3 of 14

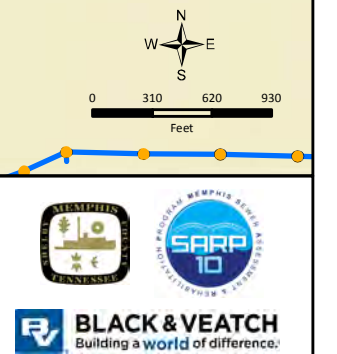




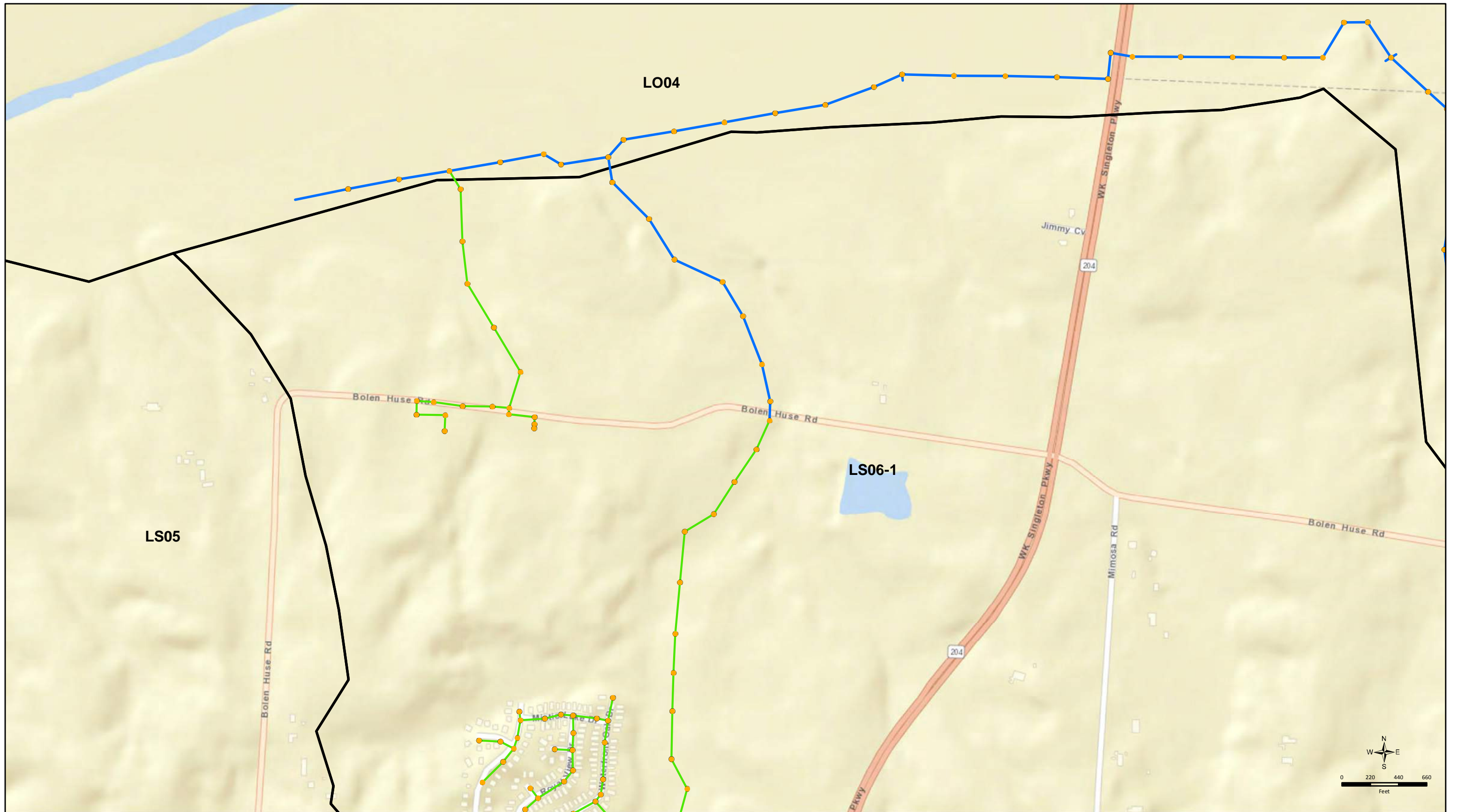








- |   |   |
|---|---|
|  Boundary                        |  Already Complete (Not in Scope) |
|  Digitized                       |  Digitized                       |
|  Already Complete (Not in Scope) |  Sonar                           |

**Phase 6**  
**North Reserve Area**  
 4 of 14





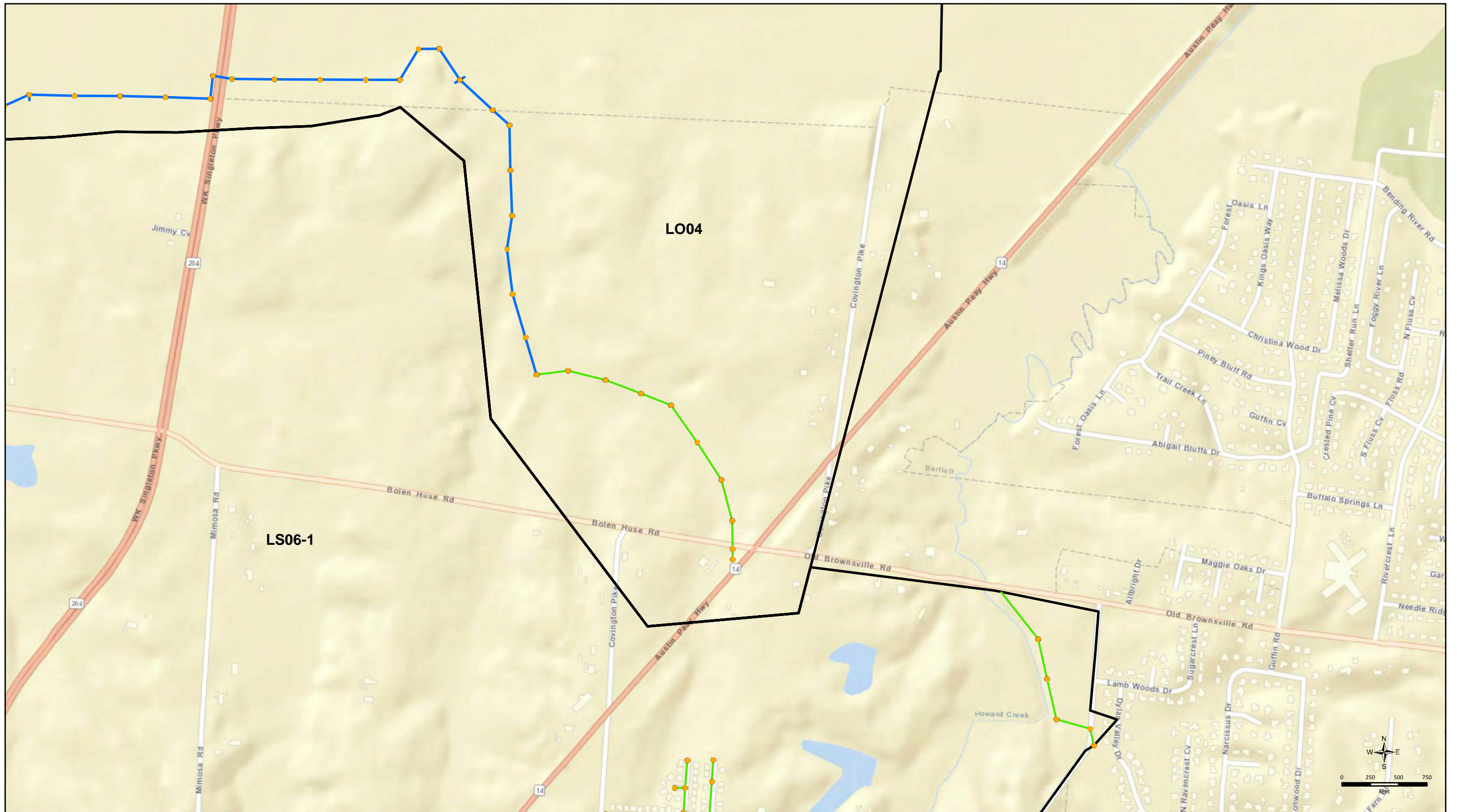








- |   |   |
|---|---|
|  Boundary                        |  Already Complete (Not in Scope) |
|  Digitized                       |  Digitized                       |
|  Already Complete (Not in Scope) |  Sonar                           |

**Phase 6**  
**North Reserve Area**  
 5 of 14

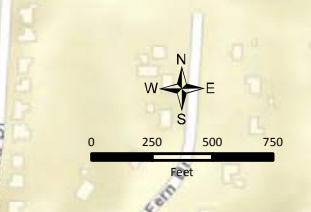




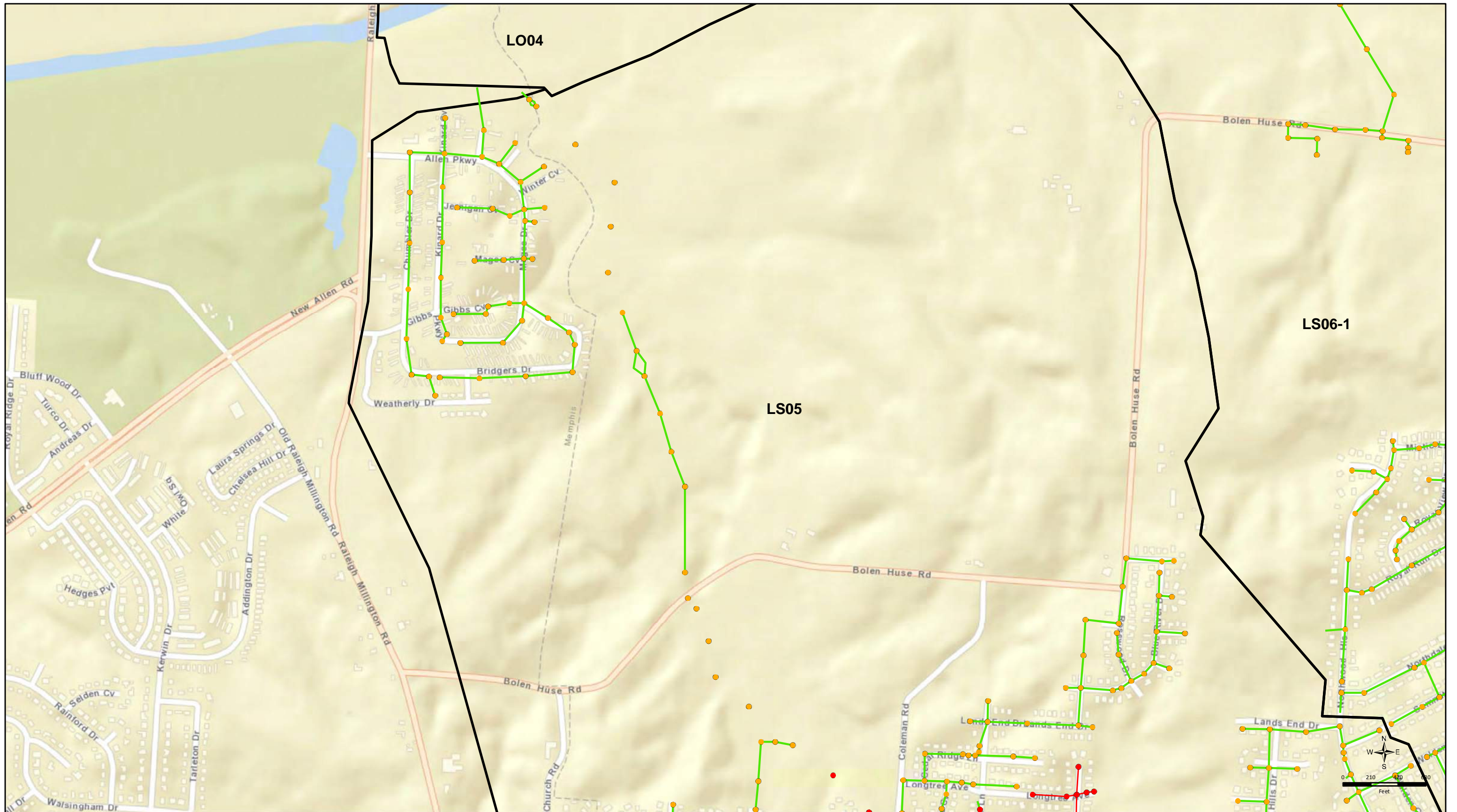








- |   |   |
|---|---|
|  Boundary                        |  Already Complete (Not in Scope) |
|  Digitized                       |  Digitized                       |
|  Already Complete (Not in Scope) |  Sonar                           |

**Phase 6**  
**North Reserve Area**  
 6 of 14





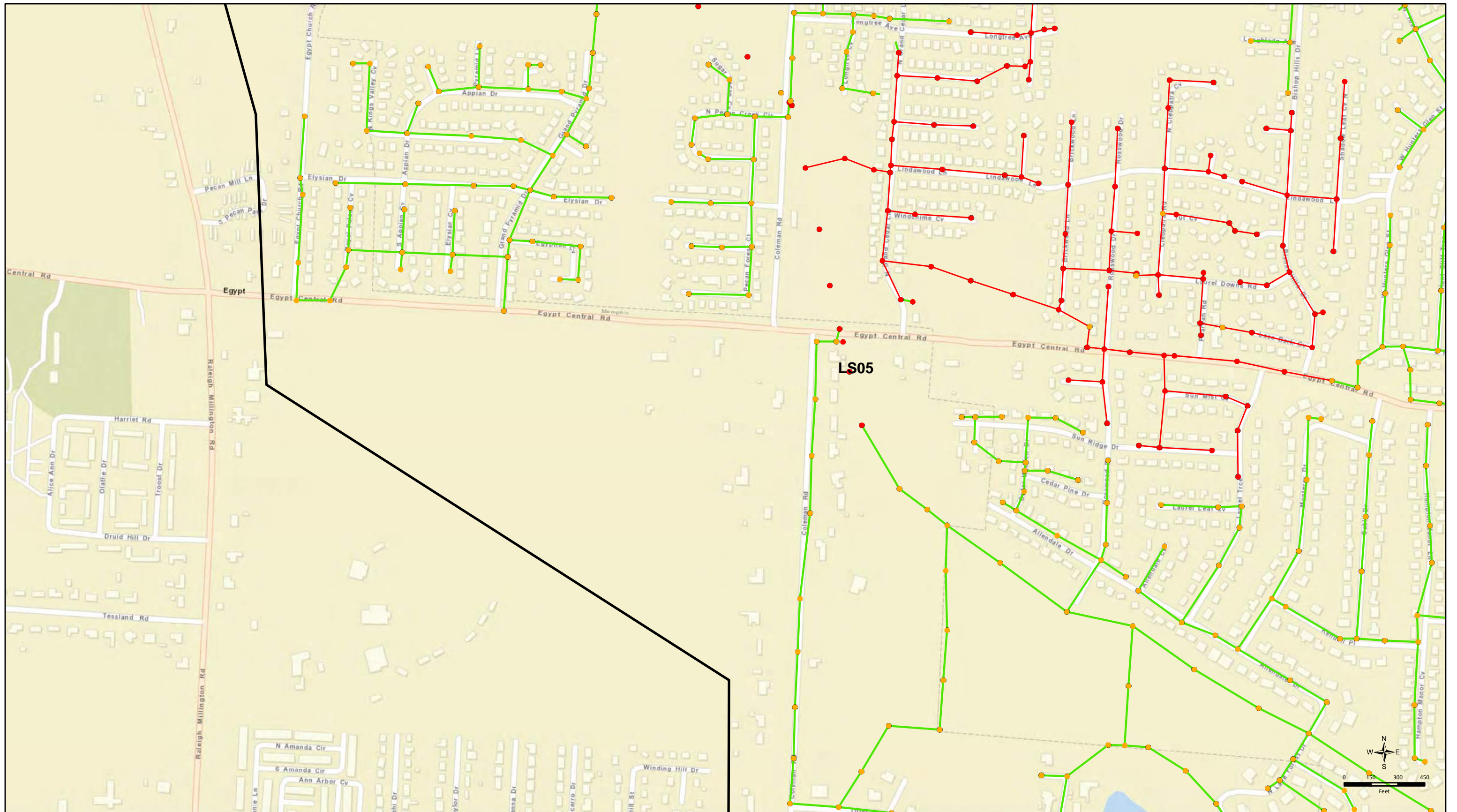


- |   |   |
|---|---|
|  Boundary                        |  Already Complete (Not in Scope) |
|  Digitized                       |  Digitized                       |
|  Already Complete (Not in Scope) |  Sonar                           |

**Phase 6**  
**North Reserve Area**  
 7 of 14





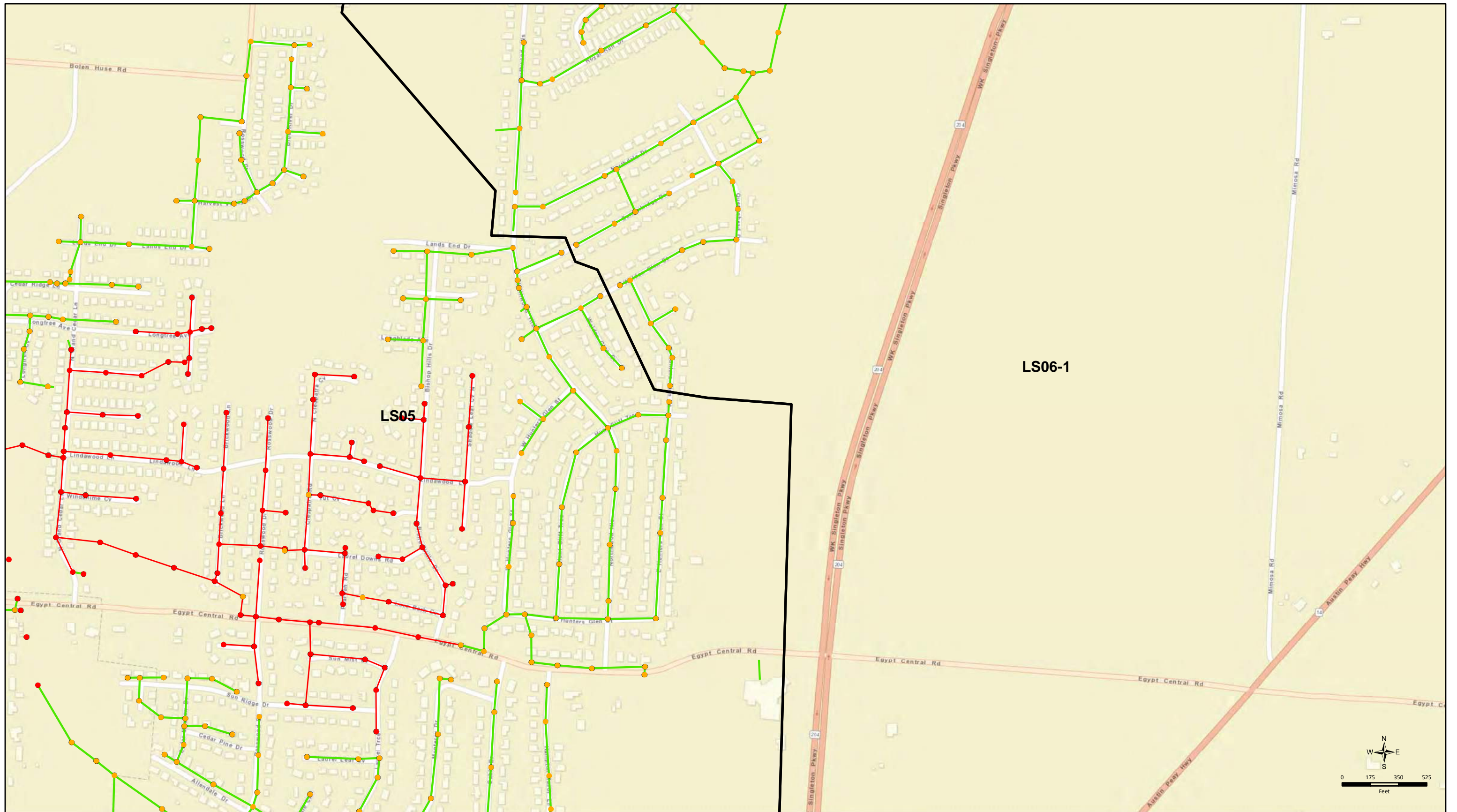








- Boundary
- Digitized
- Already Complete (Not in Scope)
- Digitized
- Sonar

**Phase 6**  
**North Reserve Area**  
 8 of 14

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**BLACK & VEATCH**  
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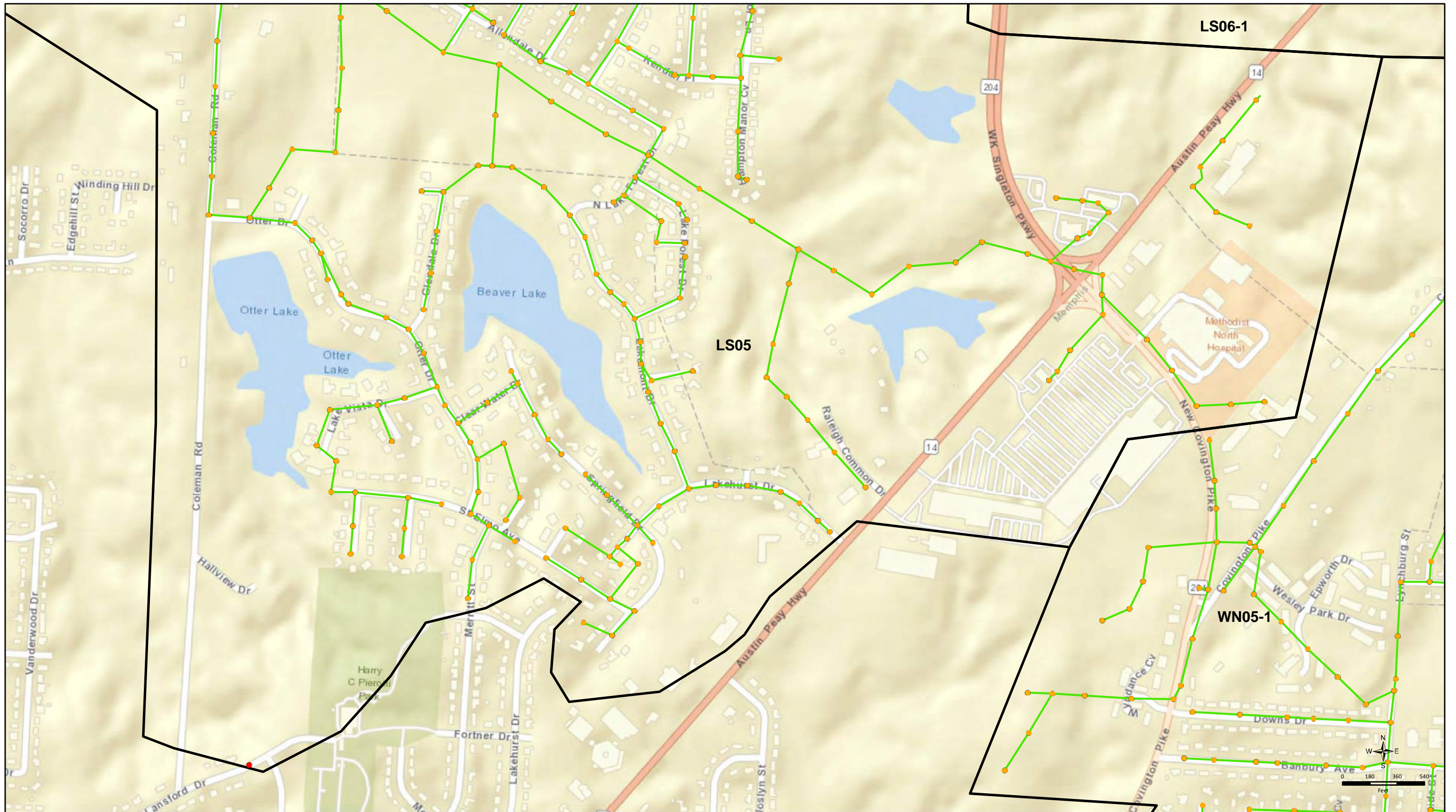


- |   |   |
|---|---|
|  Boundary                        |  Already Complete (Not in Scope) |
|  Digitized                       |  Digitized                       |
|  Already Complete (Not in Scope) |  Sonar                           |

**Phase 6**  
**North Reserve Area**  
 9 of 14





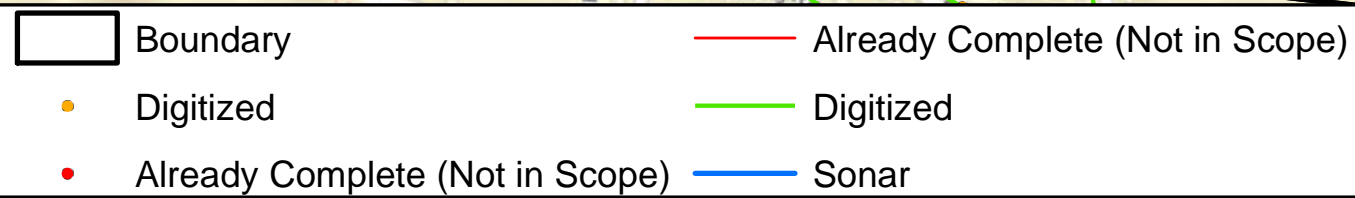
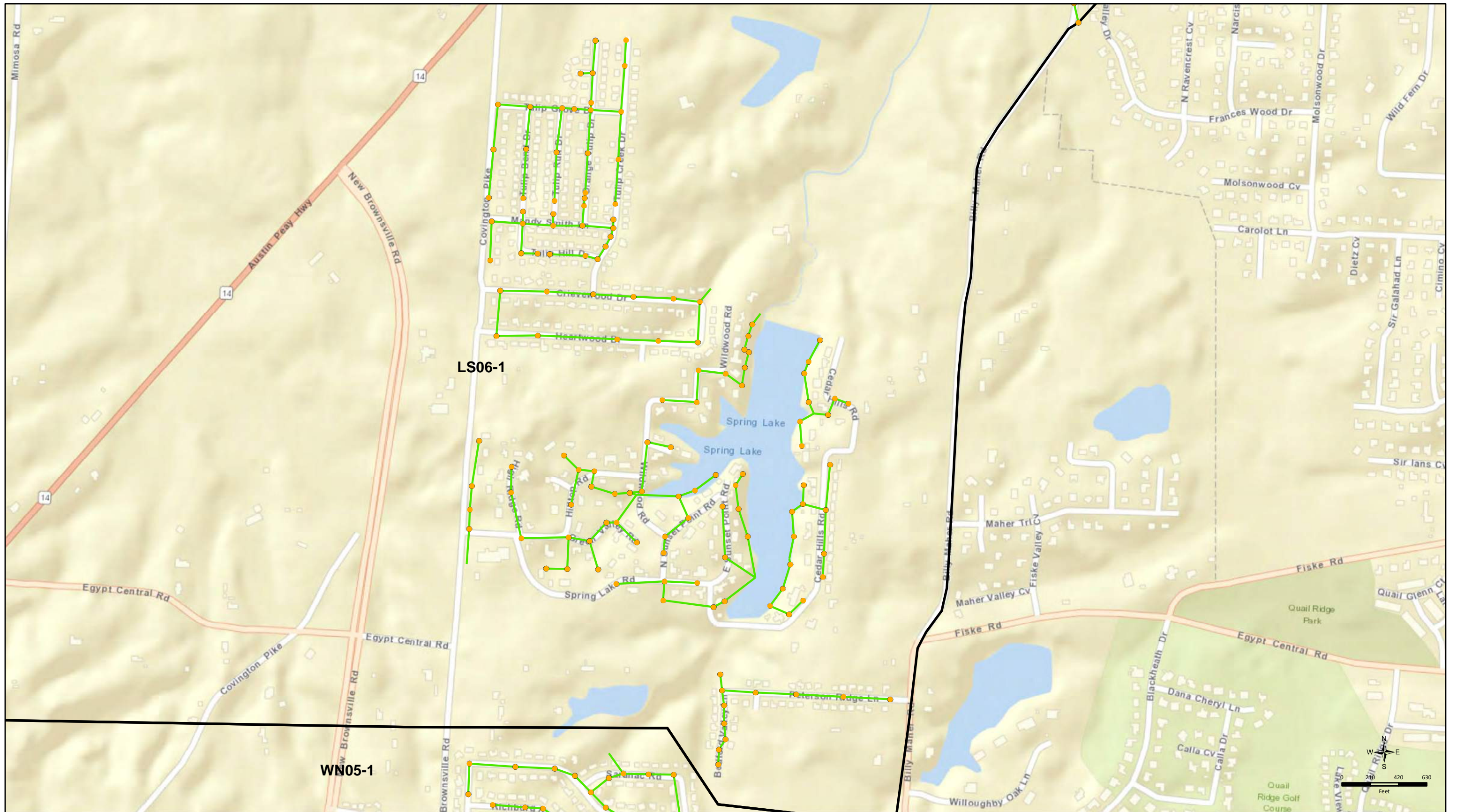


- Boundary
- Digitized
- Already Complete (Not in Scope)
- Digitized
- Sonar

**Phase 6**  
**North Reserve Area**  
 10 of 14



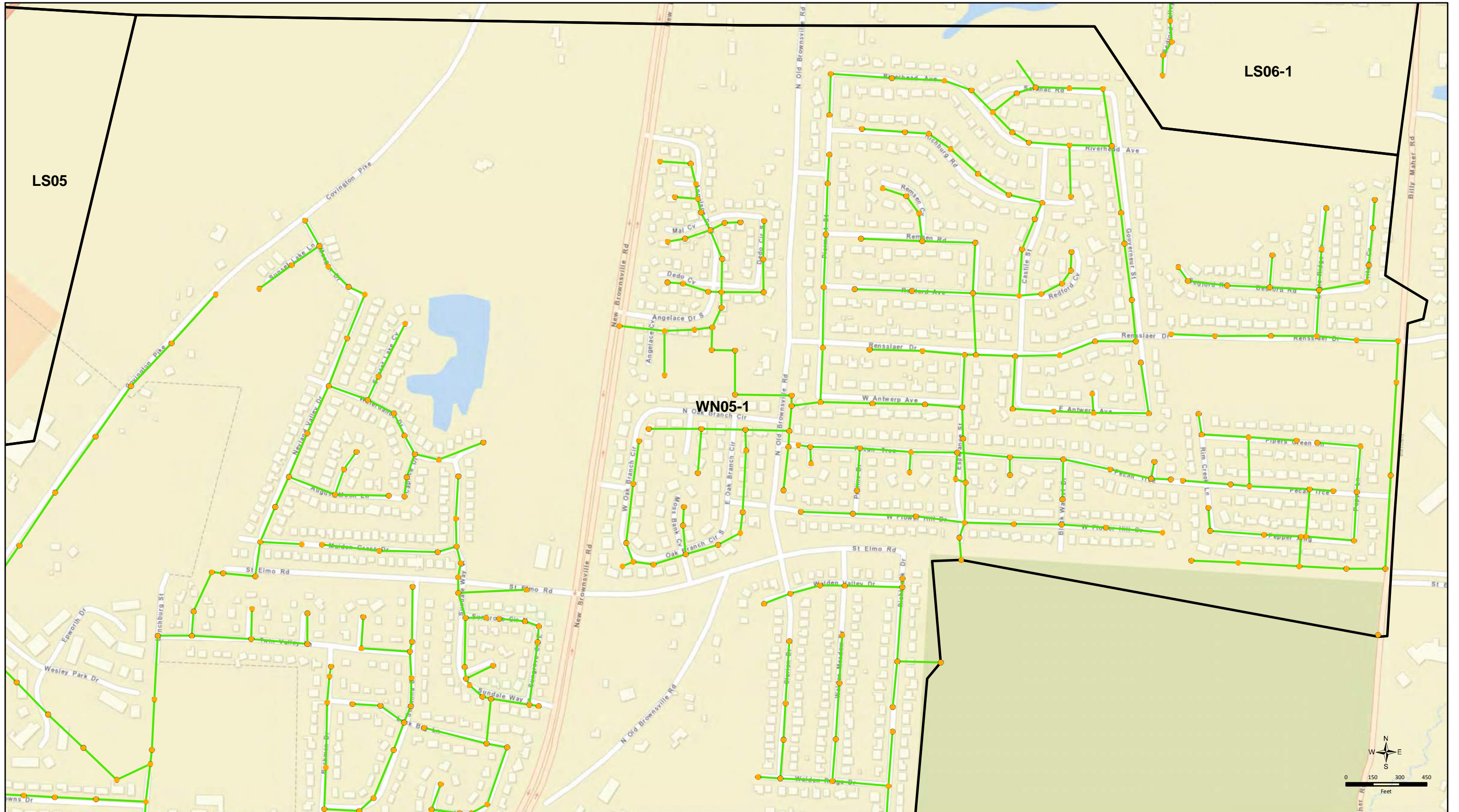




**Phase 6**  
**North Reserve Area**  
 11 of 14





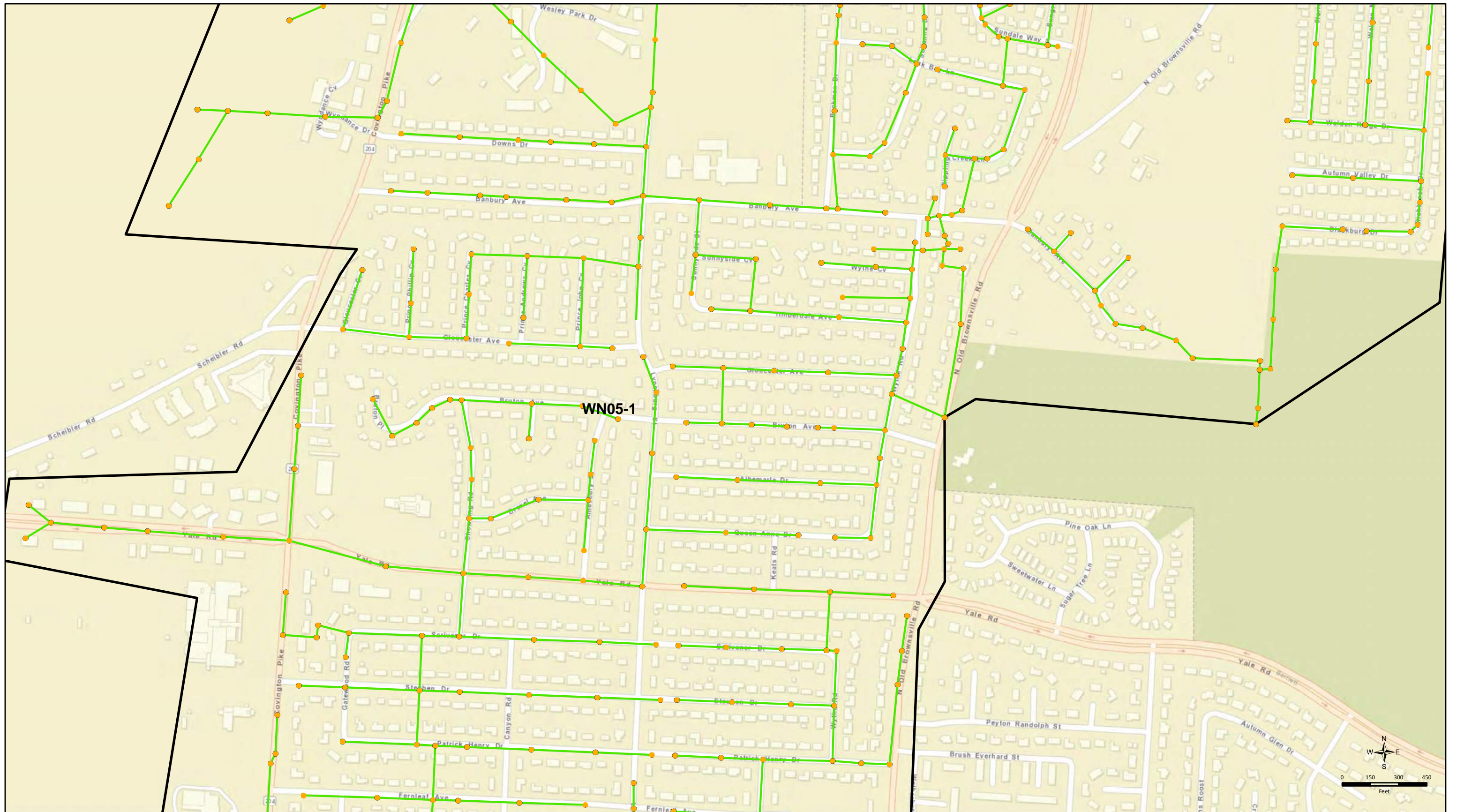


- |  |                                 |  |                                 |
|--|---------------------------------|--|---------------------------------|
|  | Boundary                        |  | Already Complete (Not in Scope) |
|  | Digitized                       |  | Digitized                       |
|  | Already Complete (Not in Scope) |  | Sonar                           |

**Phase 6**  
**North Reserve Area**  
 12 of 14





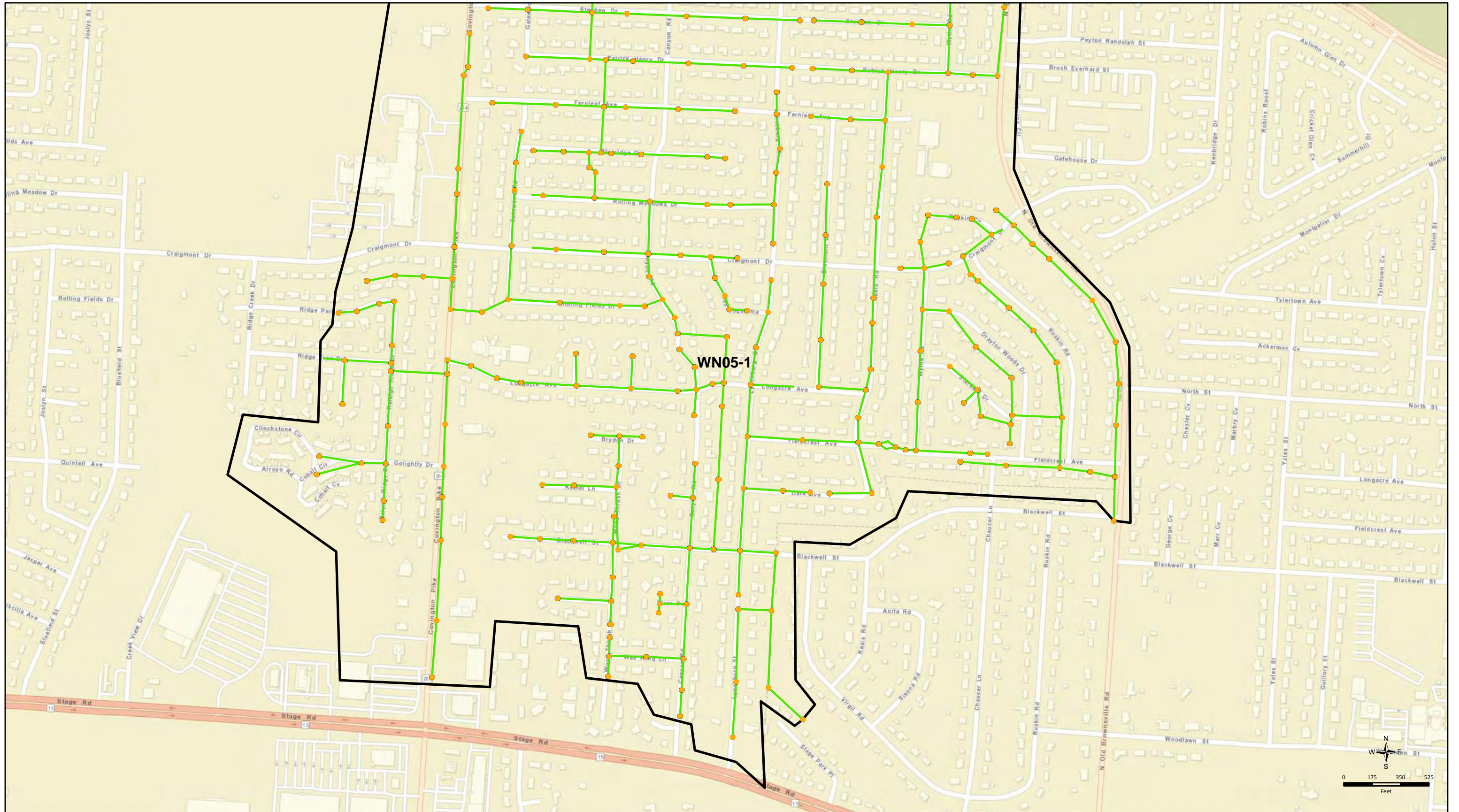


- Boundary
- Digitized
- Already Complete (Not in Scope)
- Digitized
- Sonar

**Phase 6**  
**North Reserve Area**  
 13 of 14





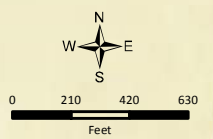
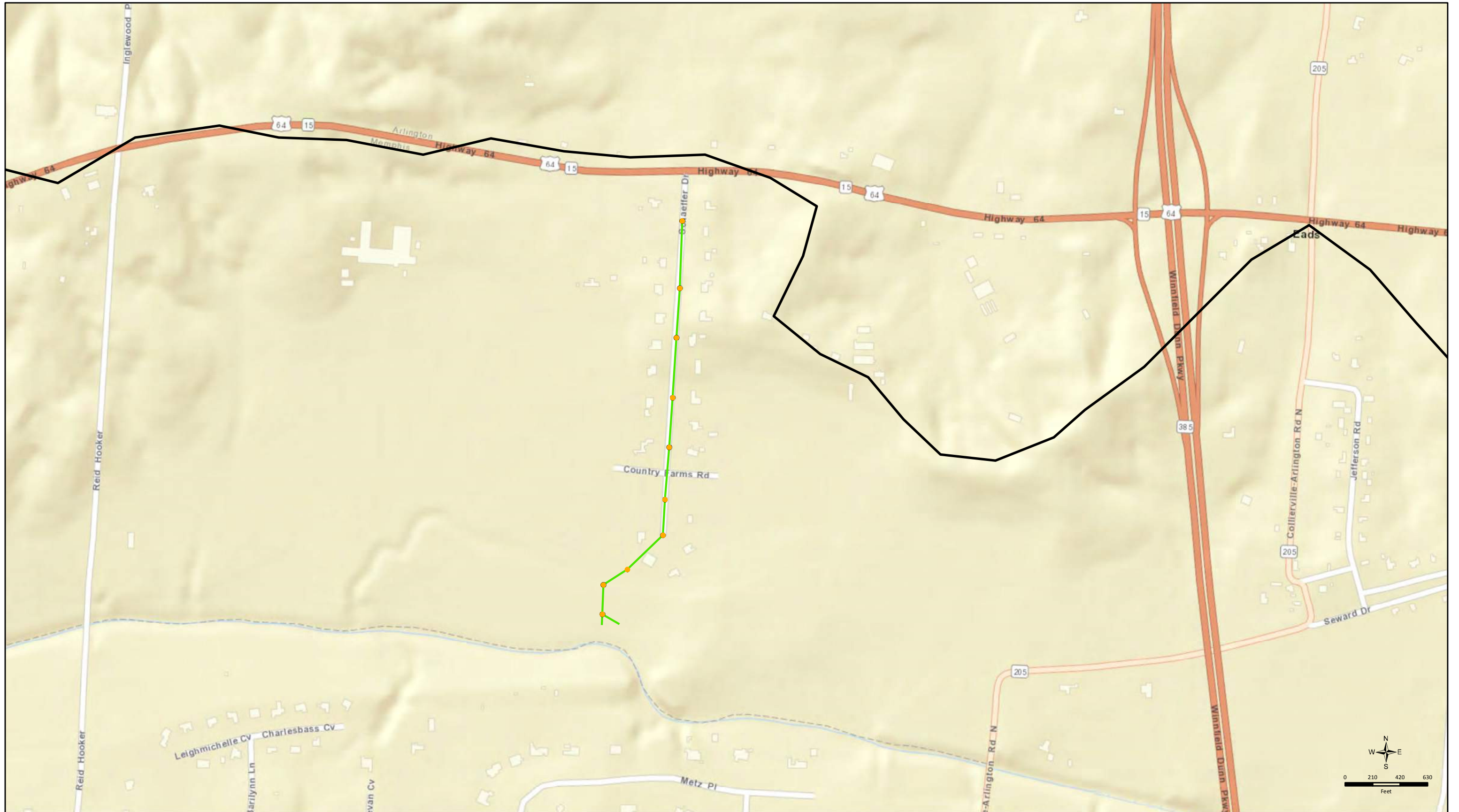


- Boundary
- Digitized
- Already Complete (Not in Scope)
- Digitized
- Sonar

**Phase 6**  
**North Reserve Area**  
 14 of 14





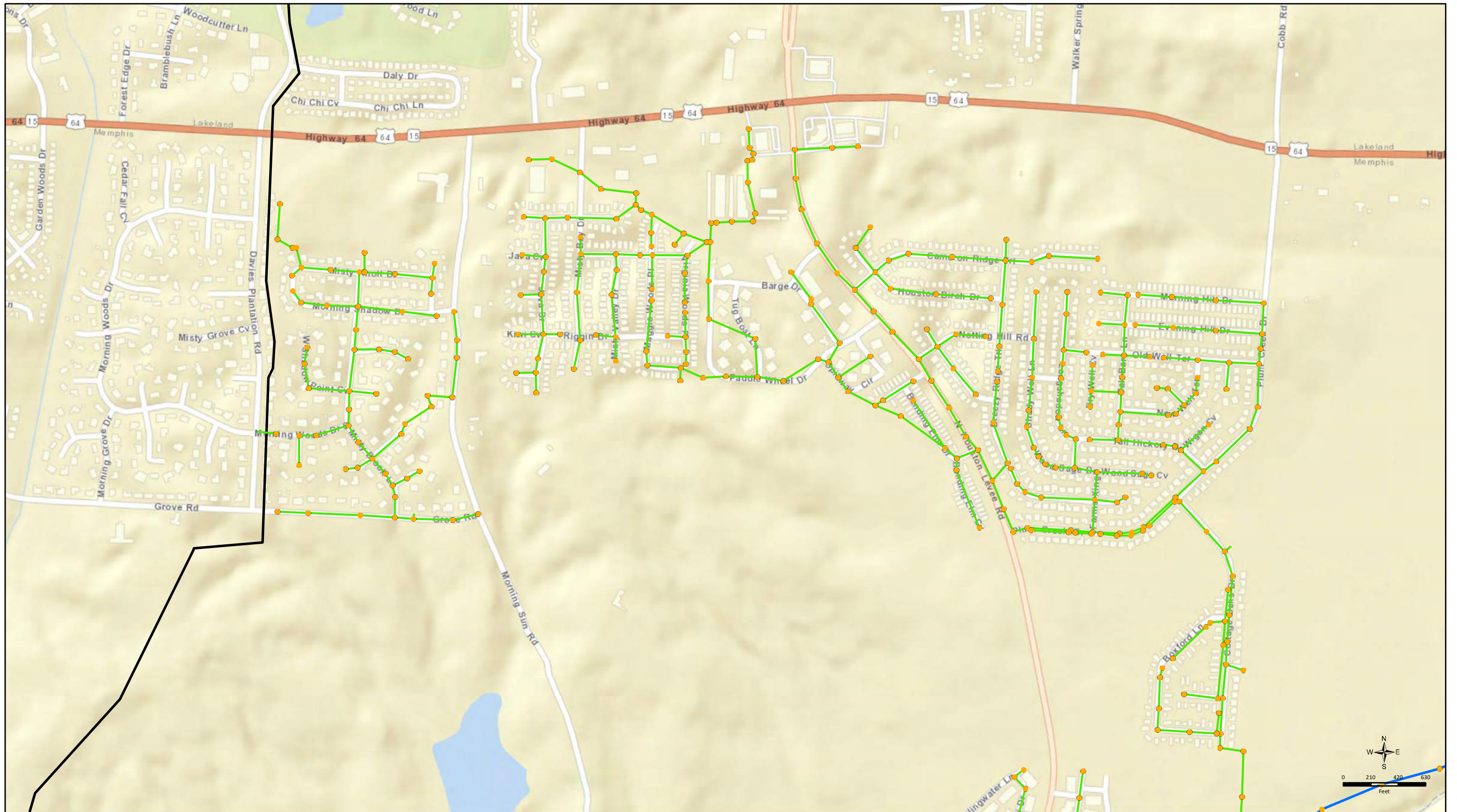








- Boundary
- Digitized
- Already Complete (Not in Scope)
- Digitized
- Sonar

**Phase 6**  
**East Cordova Reserve**  
 1 of 12

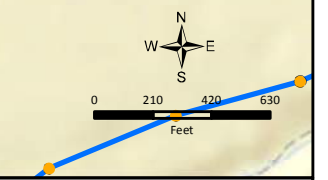




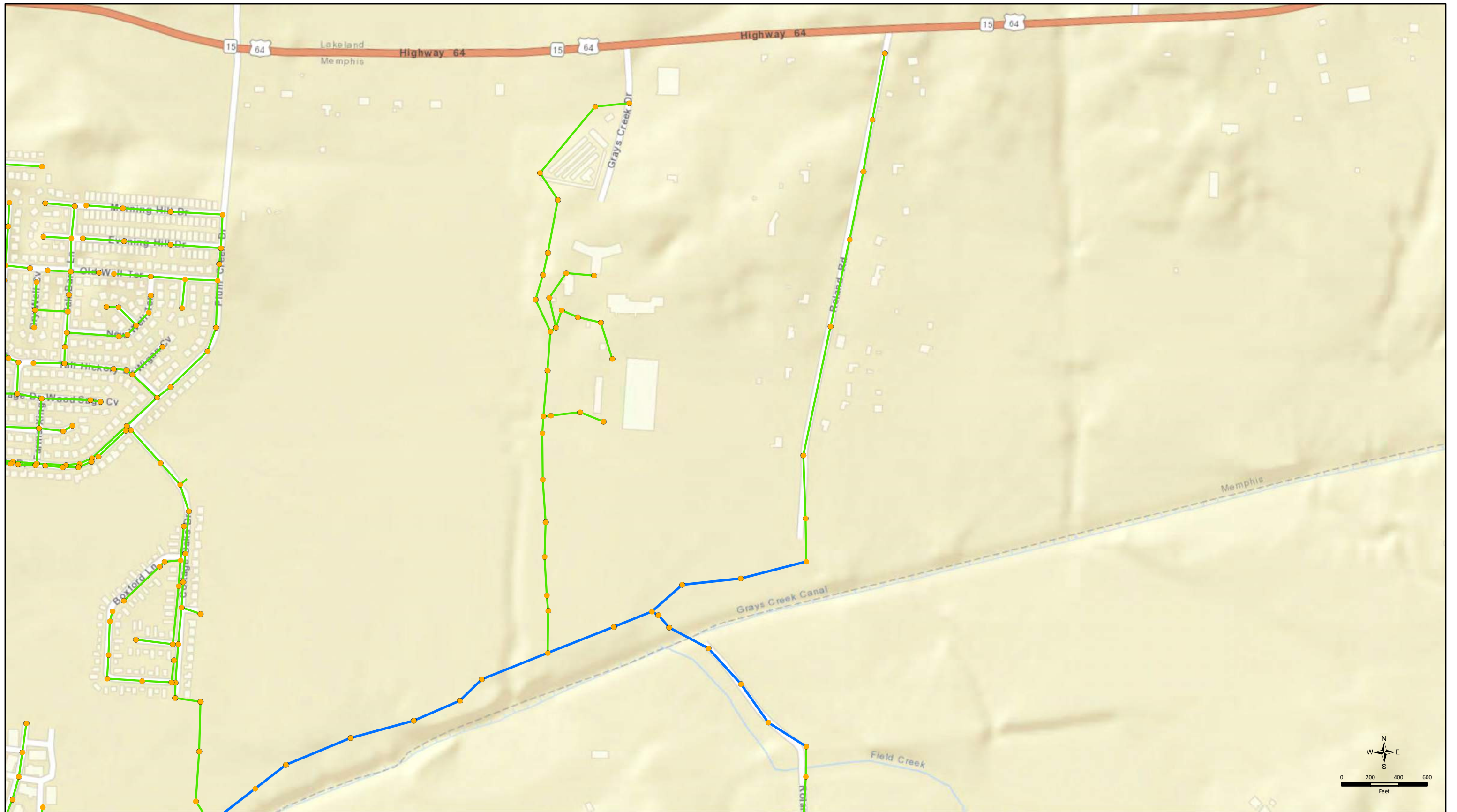








- |   |   |
|---|---|
|  Boundary                        |  Already Complete (Not in Scope) |
|  Digitized                       |  Digitized                       |
|  Already Complete (Not in Scope) |  Sonar                           |

**Phase 6**  
**East Cordova Reserve**  
 2 of 12





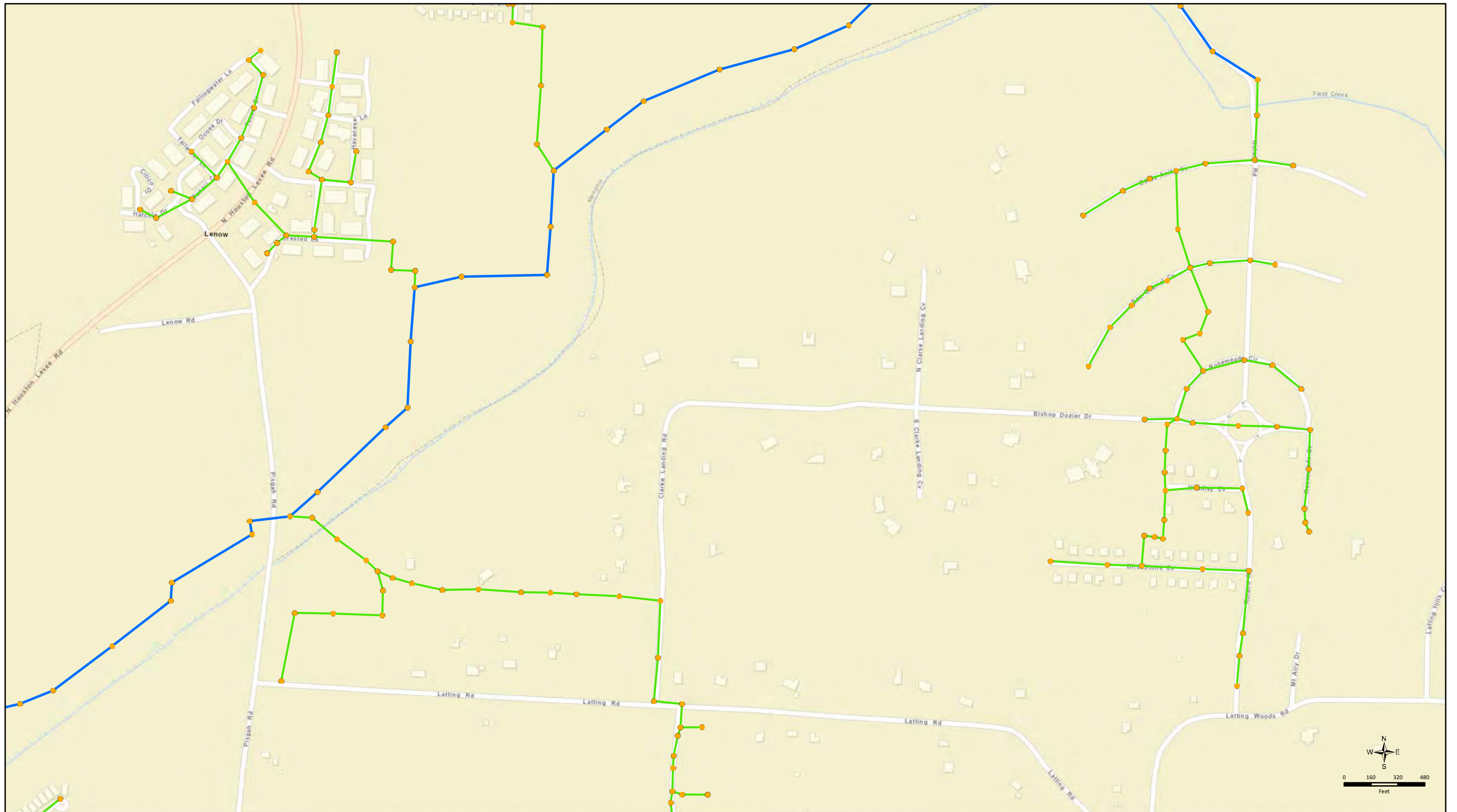


- |   |   |
|---|---|
|  Boundary                        |  Already Complete (Not in Scope) |
|  Digitized                       |  Digitized                       |
|  Already Complete (Not in Scope) |  Sonar                           |

**Phase 6**  
**East Cordova Reserve**  
 3 of 12





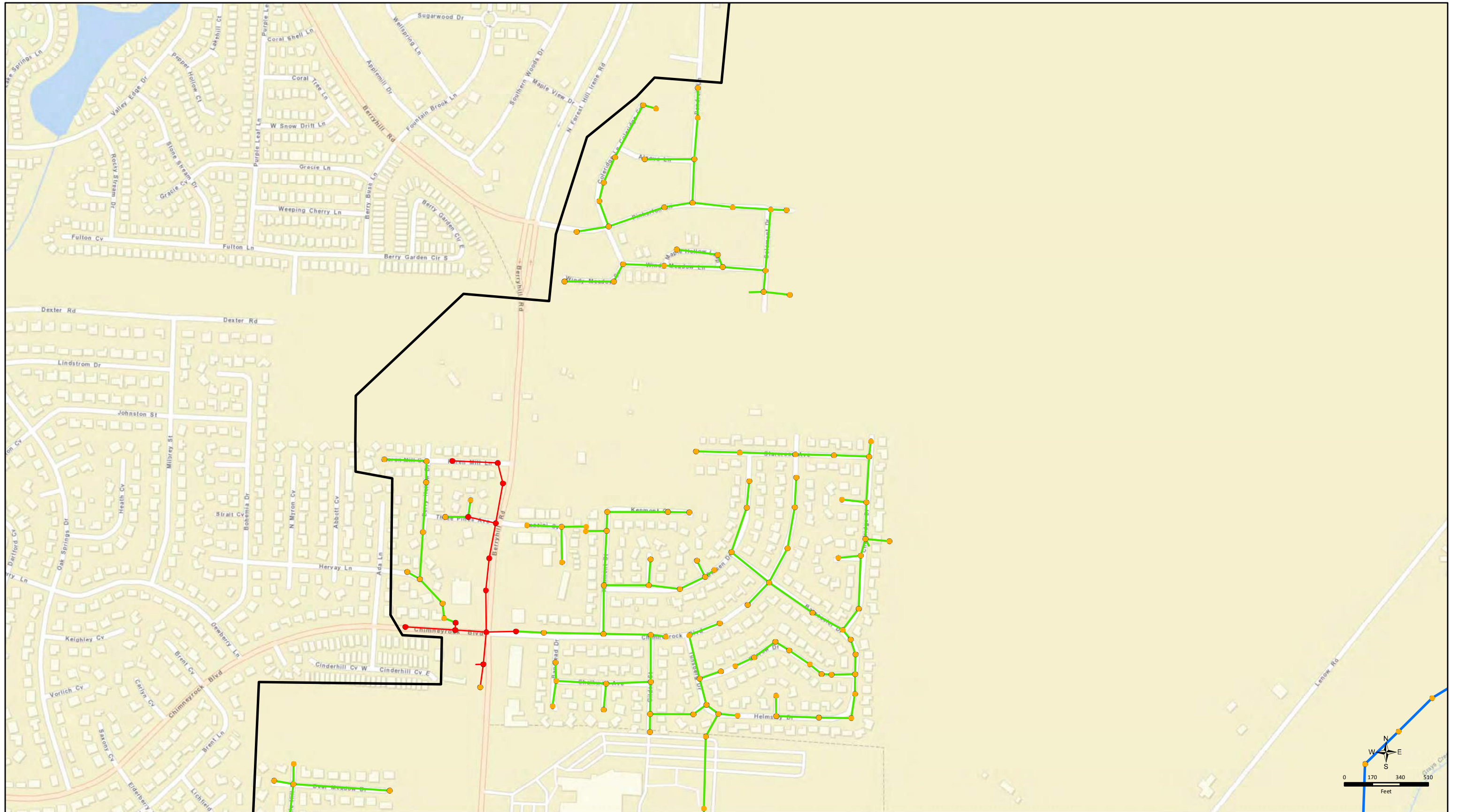


- |  |                                 |  |                                 |
|--|---------------------------------|--|---------------------------------|
|  | Boundary                        |  | Already Complete (Not in Scope) |
|  | Digitized                       |  | Digitized                       |
|  | Already Complete (Not in Scope) |  | Sonar                           |

**Phase 6**  
**East Cordova Reserve**  
 4 of 12





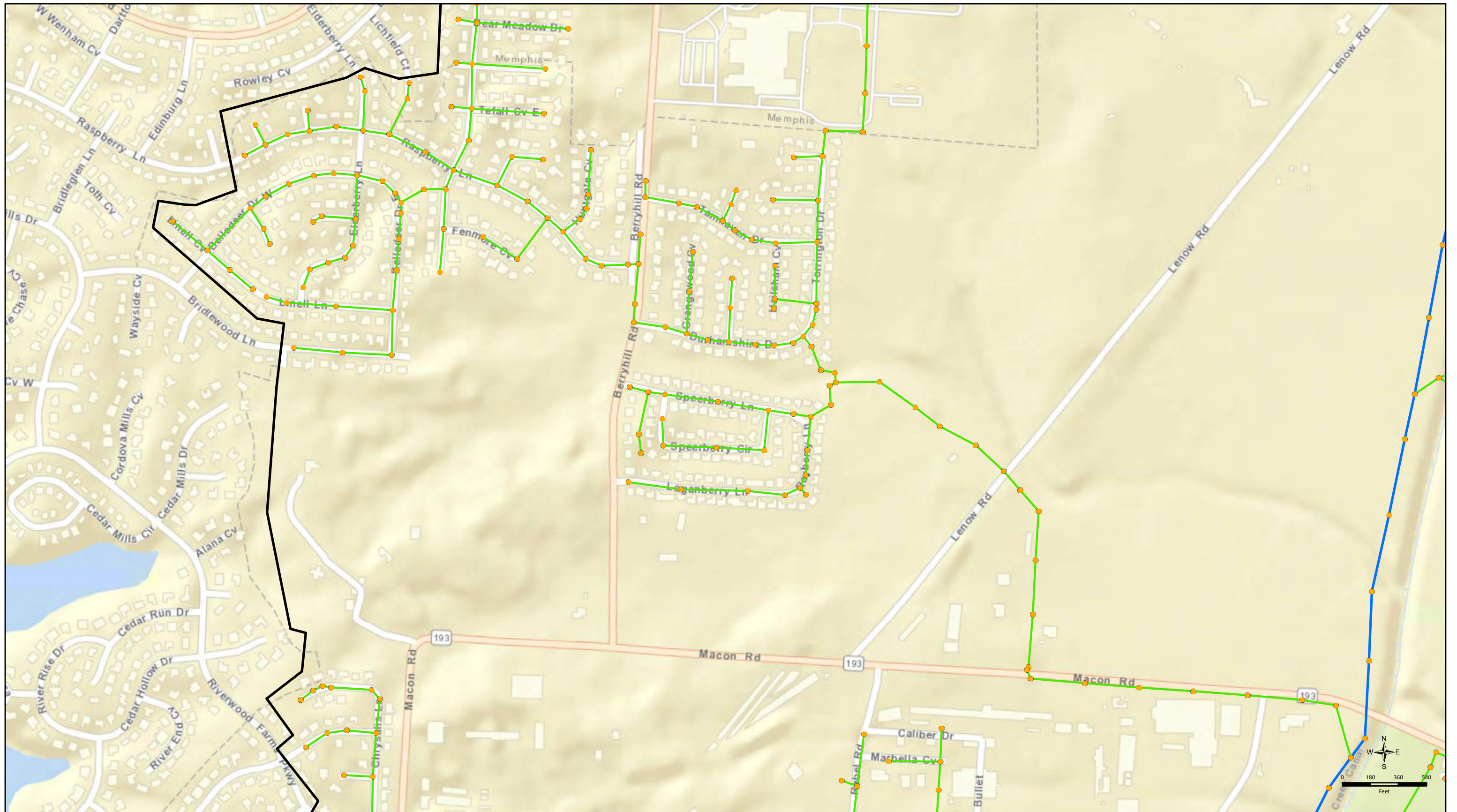








- Boundary
- Digitized
- Already Complete (Not in Scope)
- Already Complete (Not in Scope)
- Digitized
- Sonar

**Phase 6**  
**East Cordova Reserve**  
 5 of 12





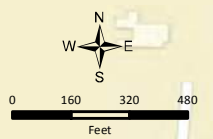
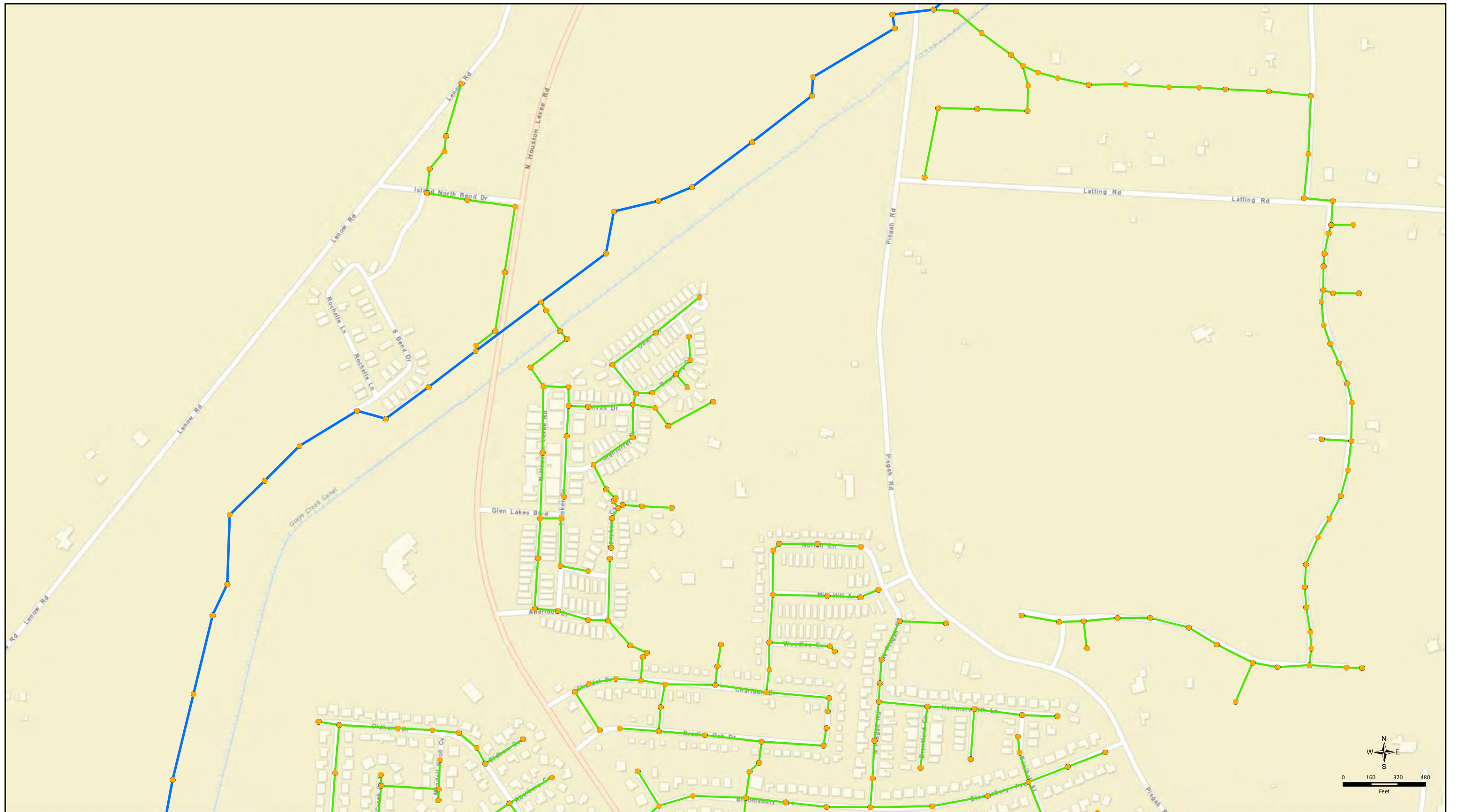








- |   |   |
|---|---|
|  Boundary                        |  Already Complete (Not in Scope) |
|  Digitized                       |  Digitized                       |
|  Already Complete (Not in Scope) |  Sonar                           |

**Phase 6**  
**East Cordova Reserve**  
 6 of 12





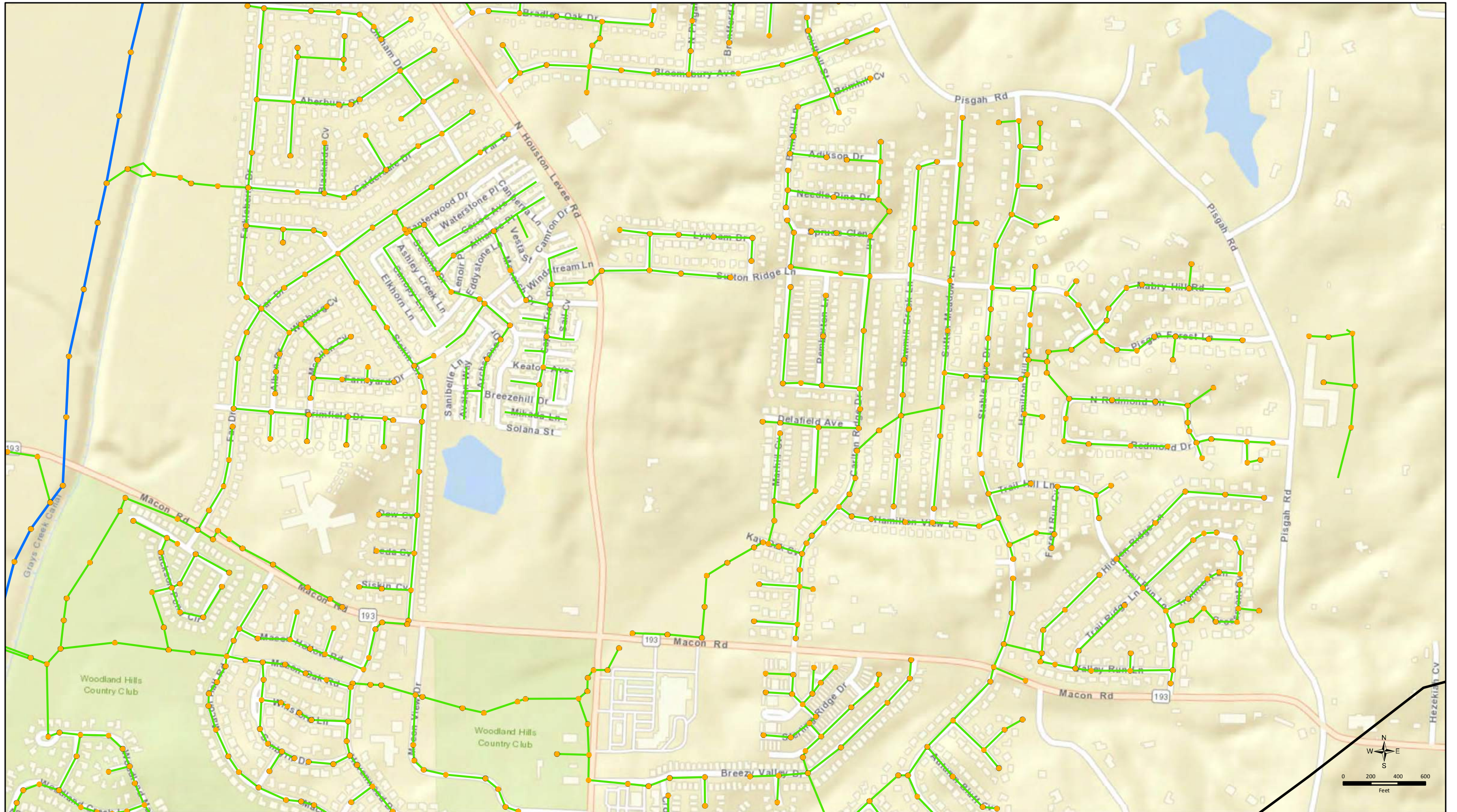








- |   |   |
|---|---|
|  Boundary                        |  Already Complete (Not in Scope) |
|  Digitized                       |  Digitized                       |
|  Already Complete (Not in Scope) |  Sonar                           |

**Phase 6**  
**East Cordova Reserve**  
 7 of 12





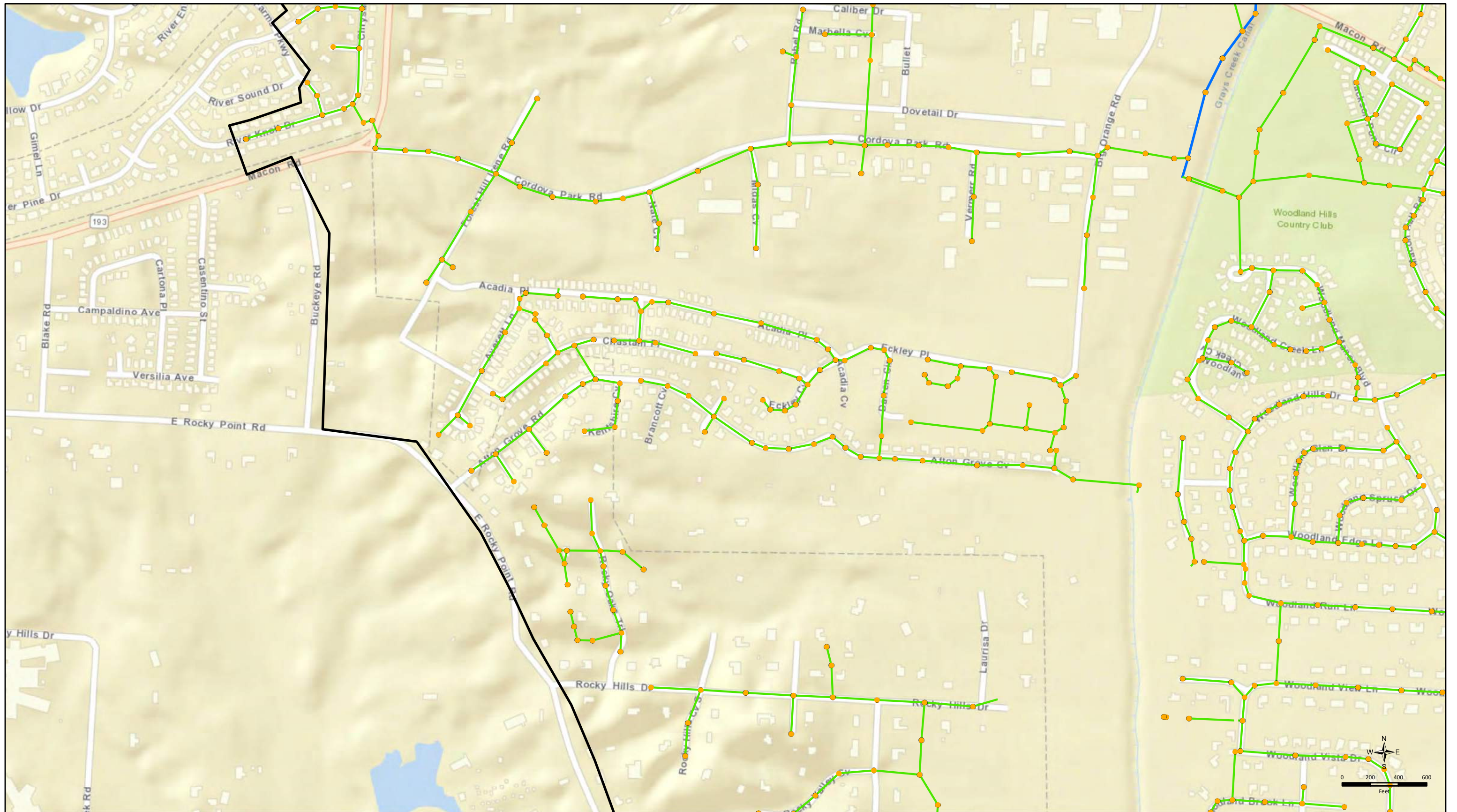








- |   |   |
|---|---|
|  Boundary                        |  Already Complete (Not in Scope) |
|  Digitized                       |  Digitized                       |
|  Already Complete (Not in Scope) |  Sonar                           |

**Phase 6**  
**East Cordova Reserve**  
 8 of 12





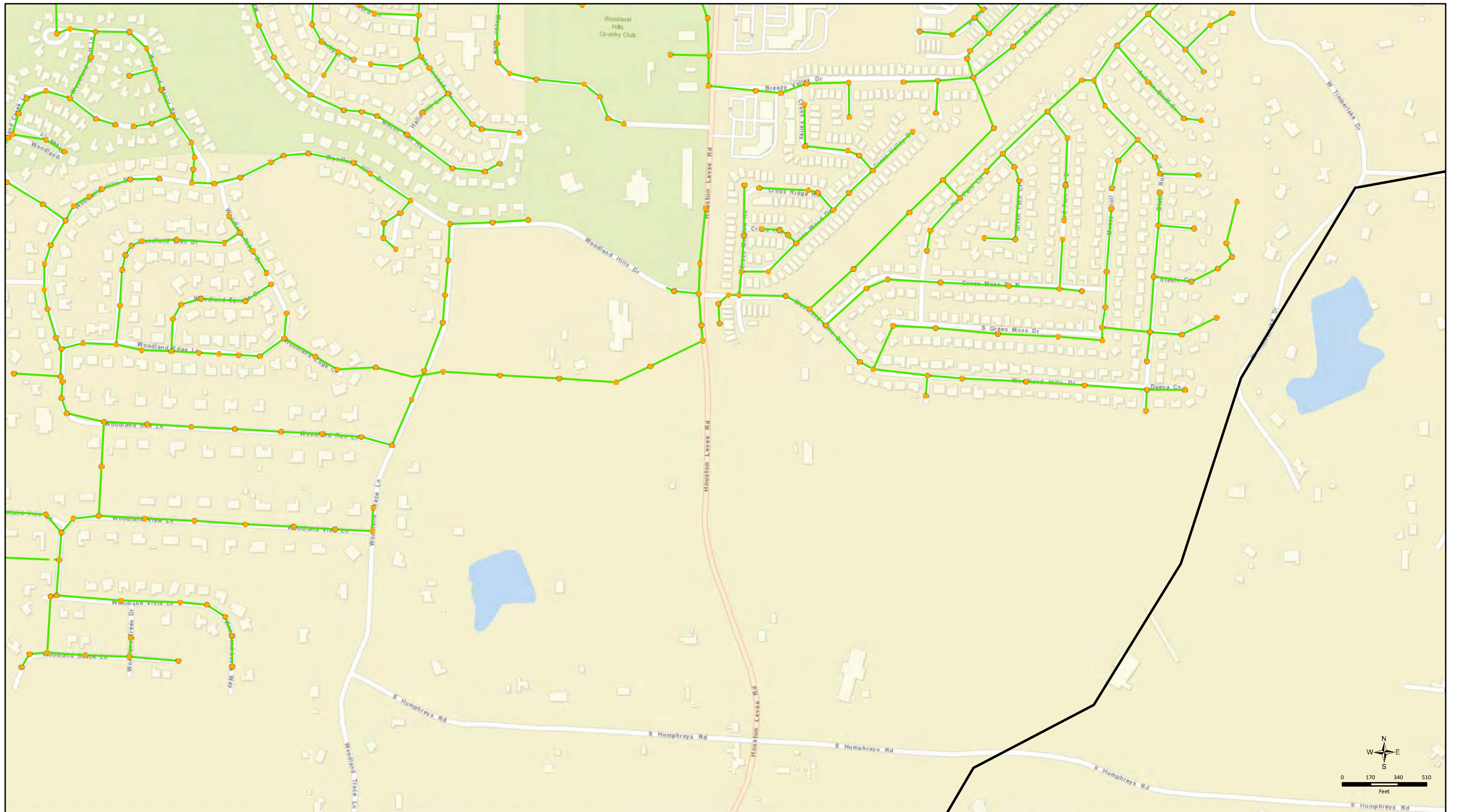








- |   |   |
|---|---|
|  Boundary                        |  Already Complete (Not in Scope) |
|  Digitized                       |  Digitized                       |
|  Already Complete (Not in Scope) |  Sonar                           |

**Phase 6**  
**East Cordova Reserve**  
 9 of 12





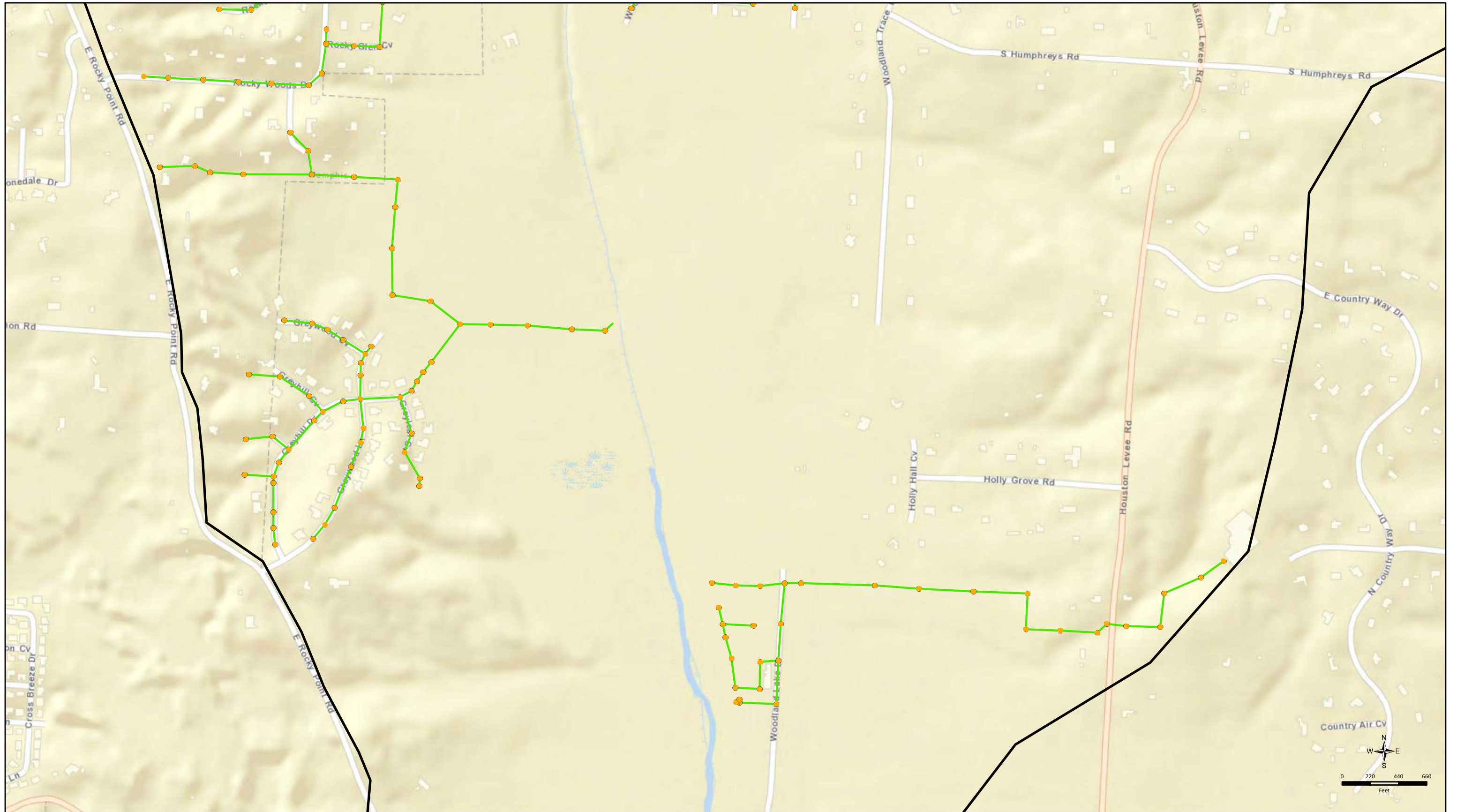








- |   |   |
|---|---|
|  Boundary                        |  Already Complete (Not in Scope) |
|  Digitized                       |  Digitized                       |
|  Already Complete (Not in Scope) |  Sonar                           |

**Phase 6**  
**East Cordova Reserve**  
 10 of 12





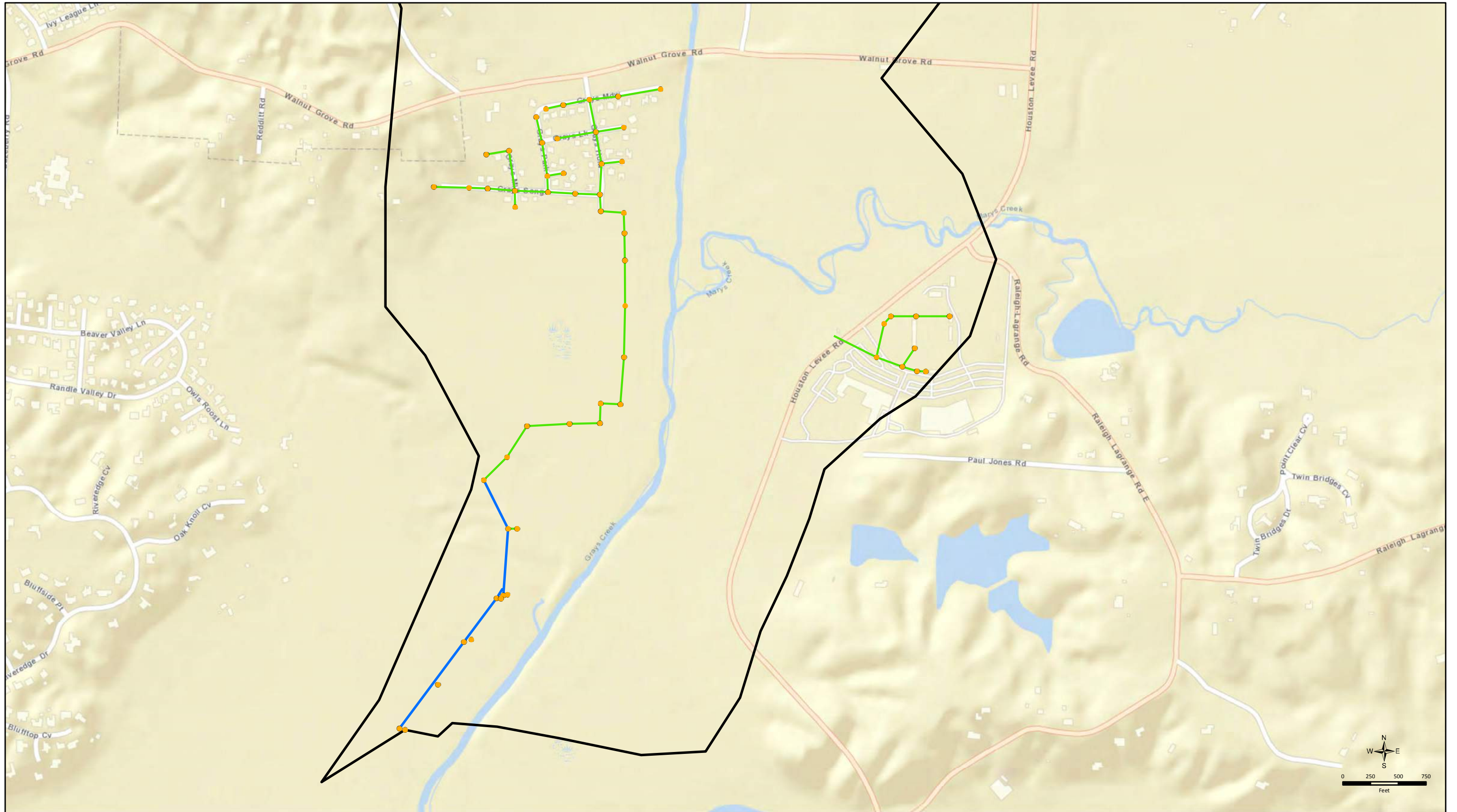








- |   |   |
|---|---|
|  Boundary                        |  Already Complete (Not in Scope) |
|  Digitized                       |  Digitized                       |
|  Already Complete (Not in Scope) |  Sonar                           |

**Phase 6**  
**East Cordova Reserve**  
 11 of 12





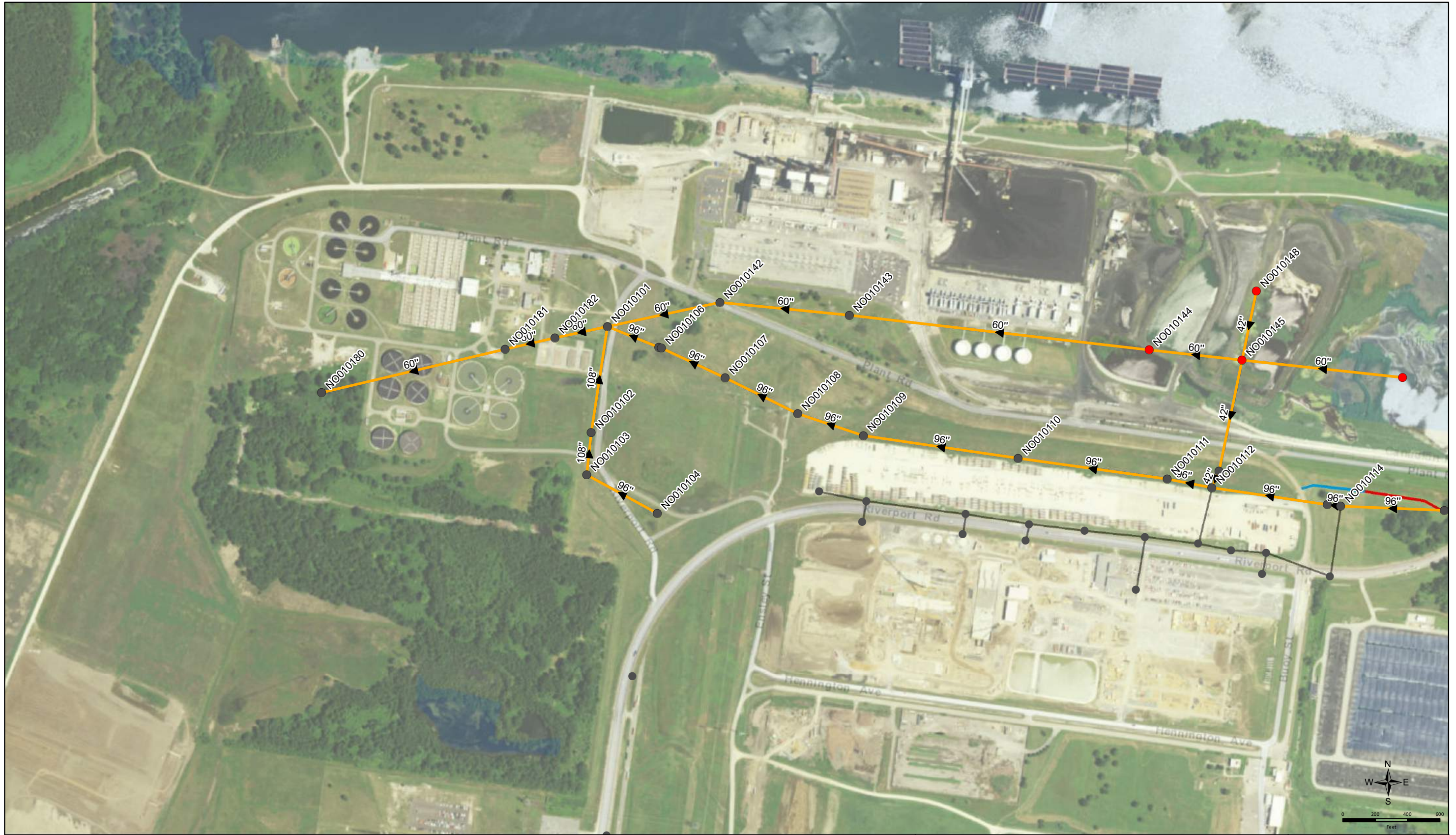


- |   |                                 |   |                                 |
|---|---------------------------------|---|---------------------------------|
|  | Boundary                        |  | Already Complete (Not in Scope) |
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**Phase 6**  
**East Cordova Reserve**  
 12 of 12







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## Nonconnah Interceptor Alignment City of Memphis







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## Nonconnah Interceptor Alignment City of Memphis



MEMPHIS  
TENNESSEE



SARP  
10




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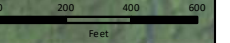




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### Nonconnah Interceptor Alignment City of Memphis



1 inch = 585 feet





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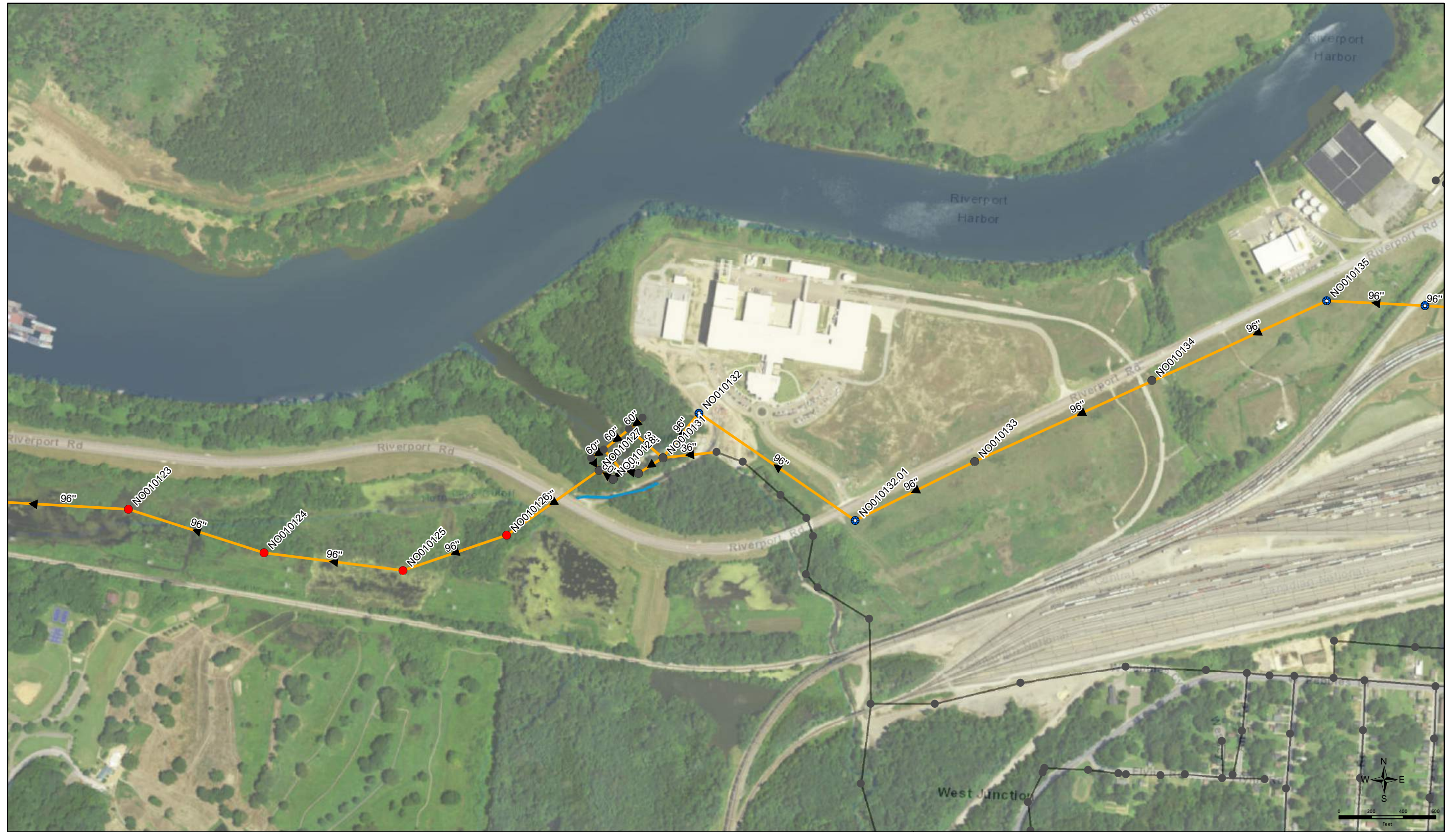
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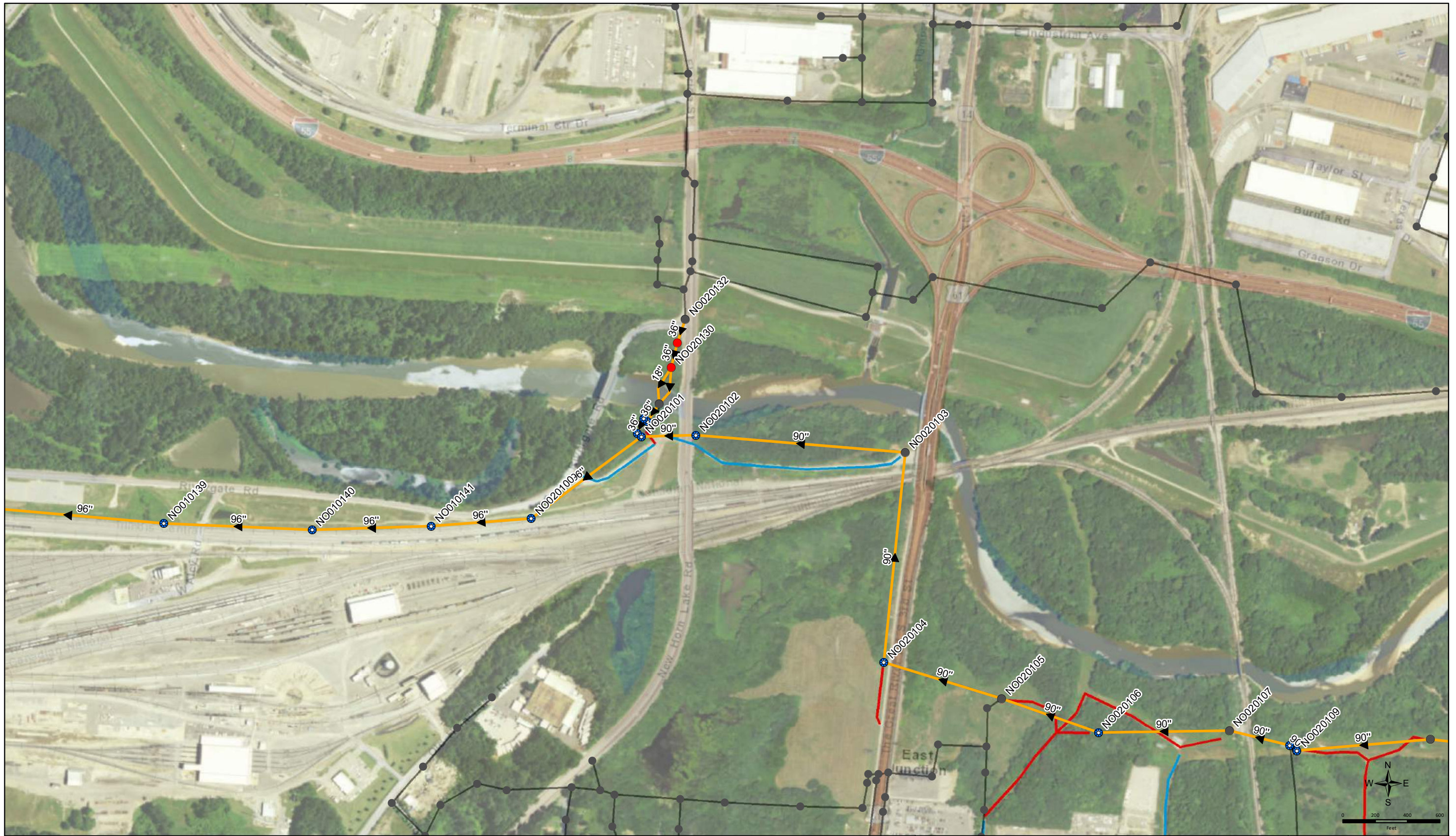
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MEMPHIS

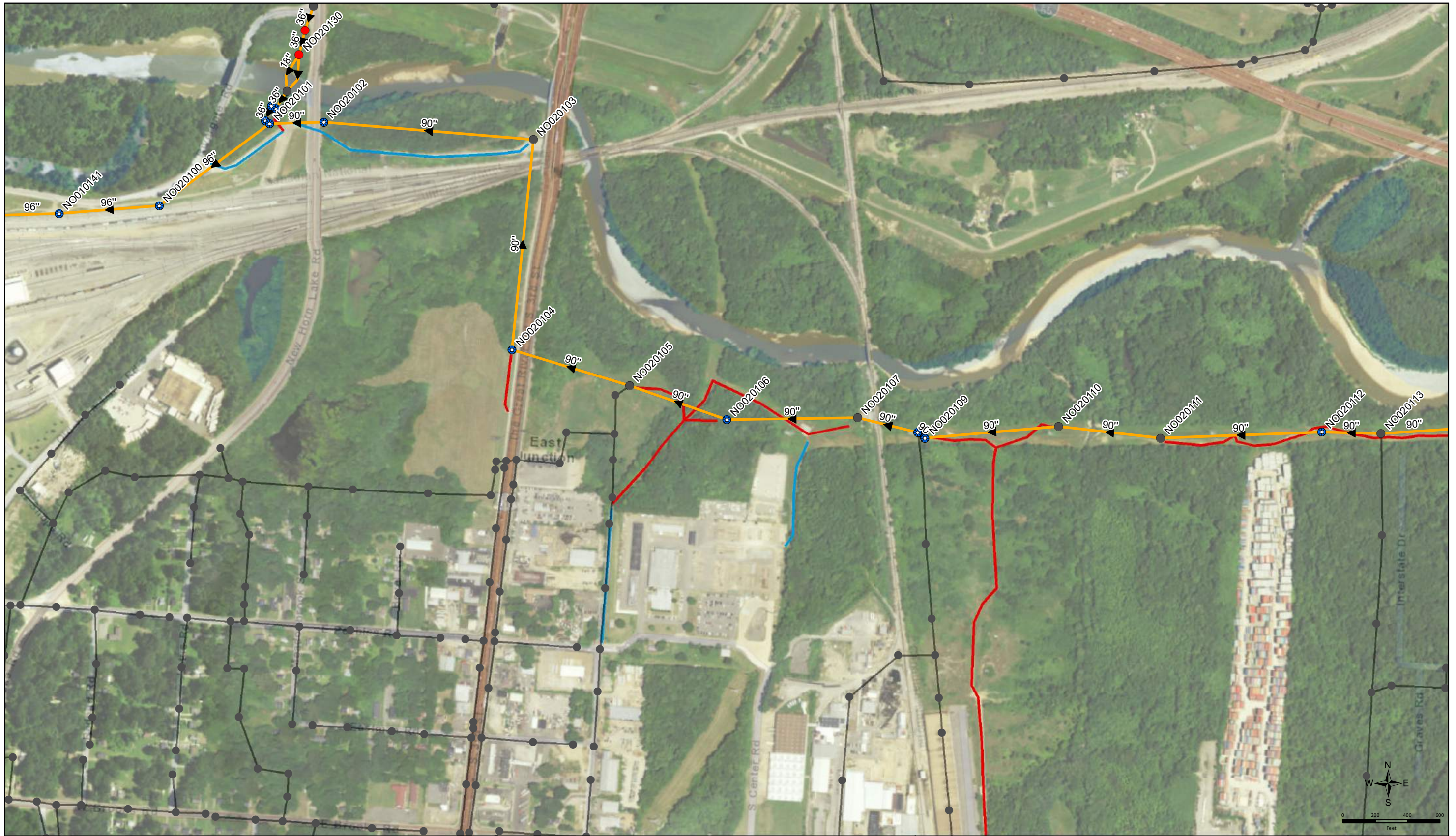


SARP 10



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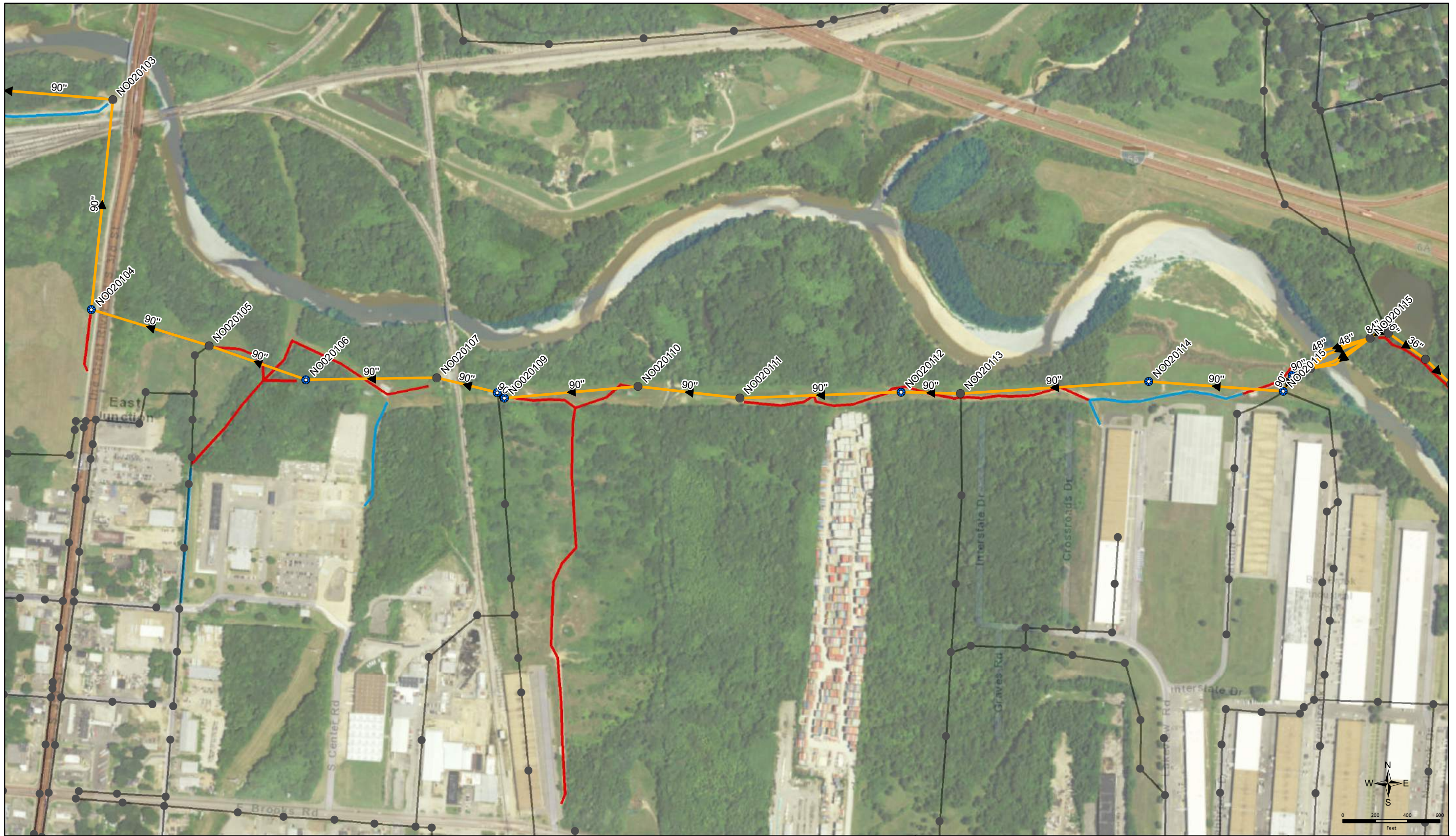
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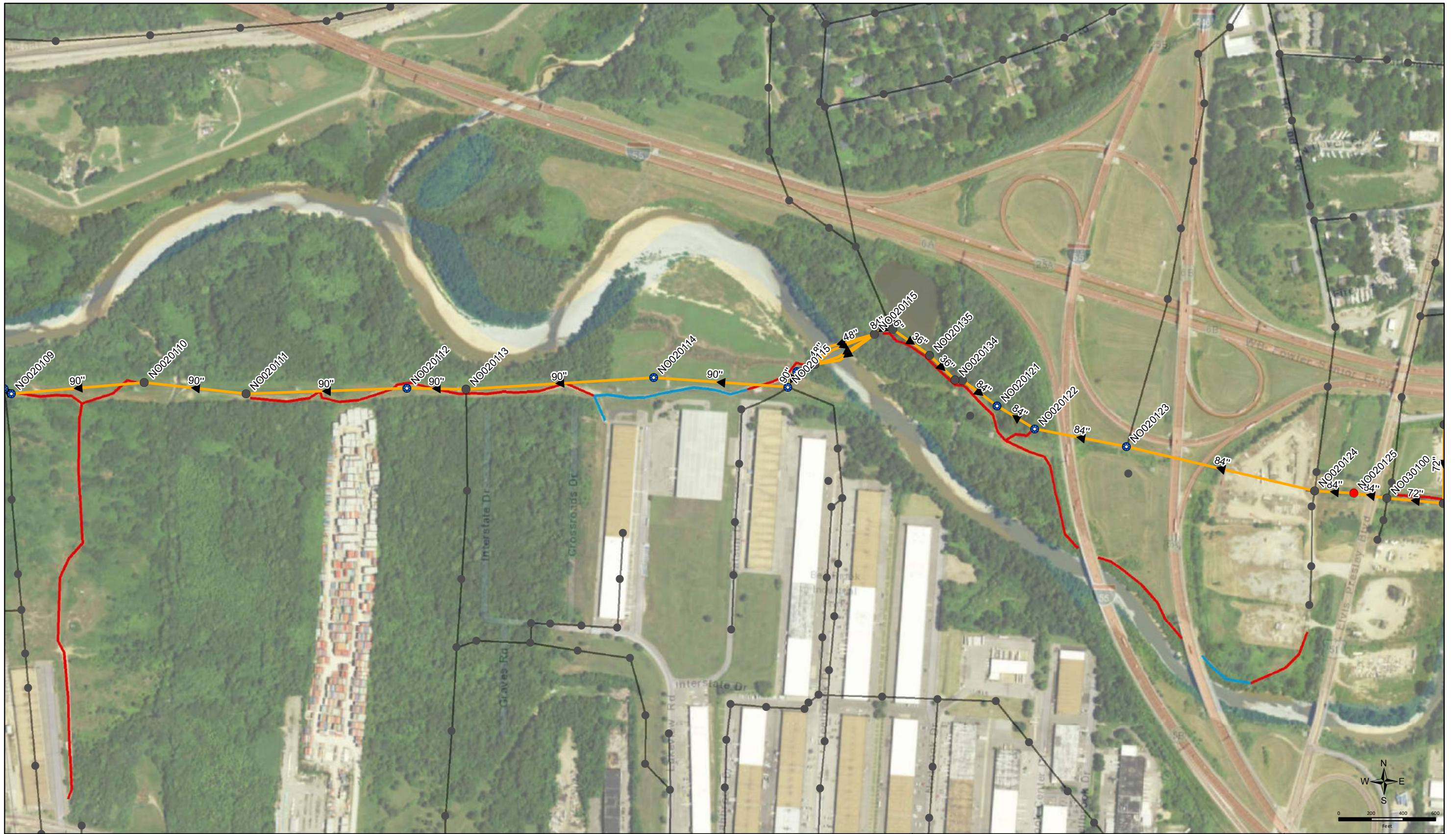




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**Nonconnah Interceptor Alignment**  
**City of Memphis**



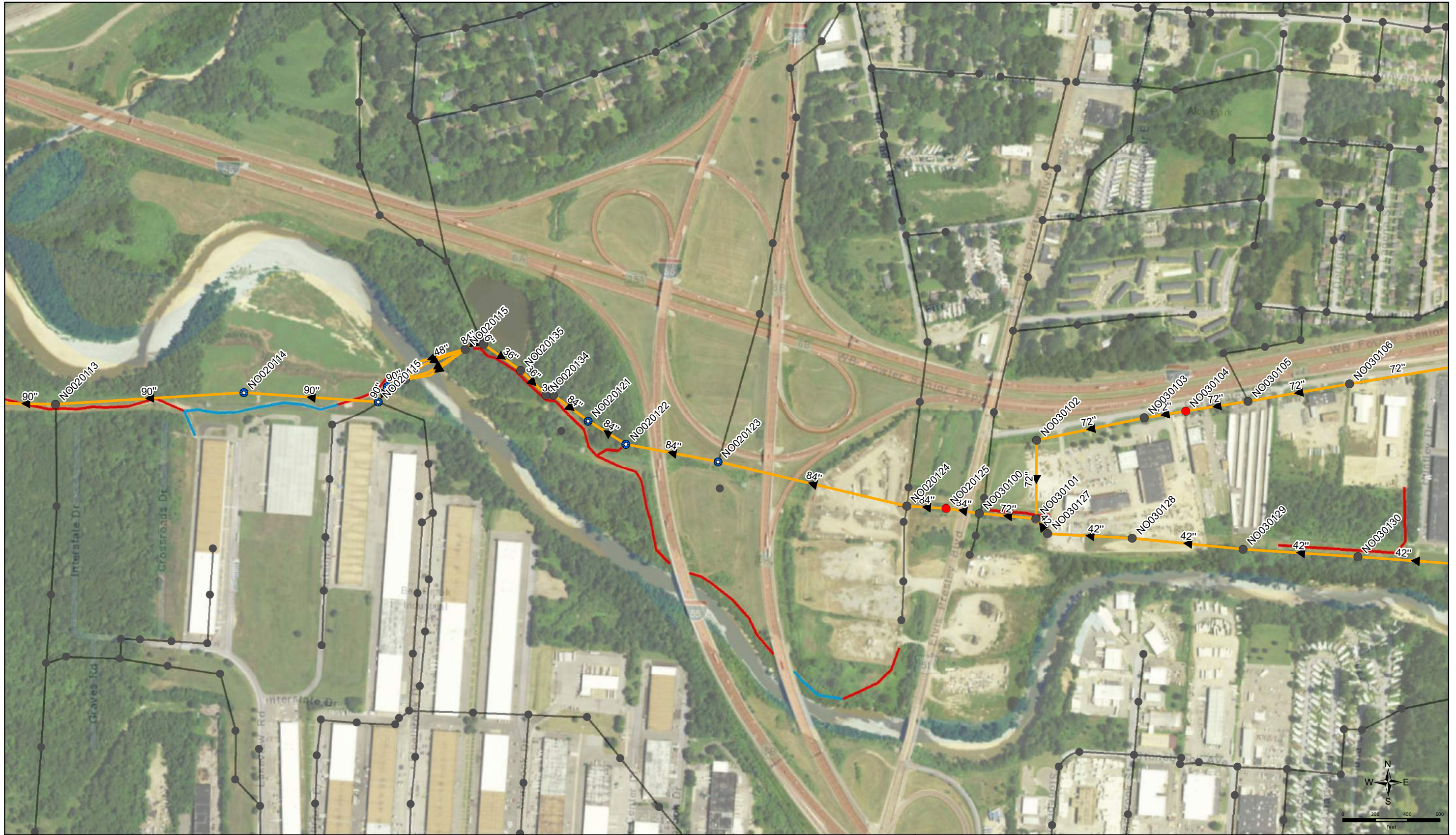


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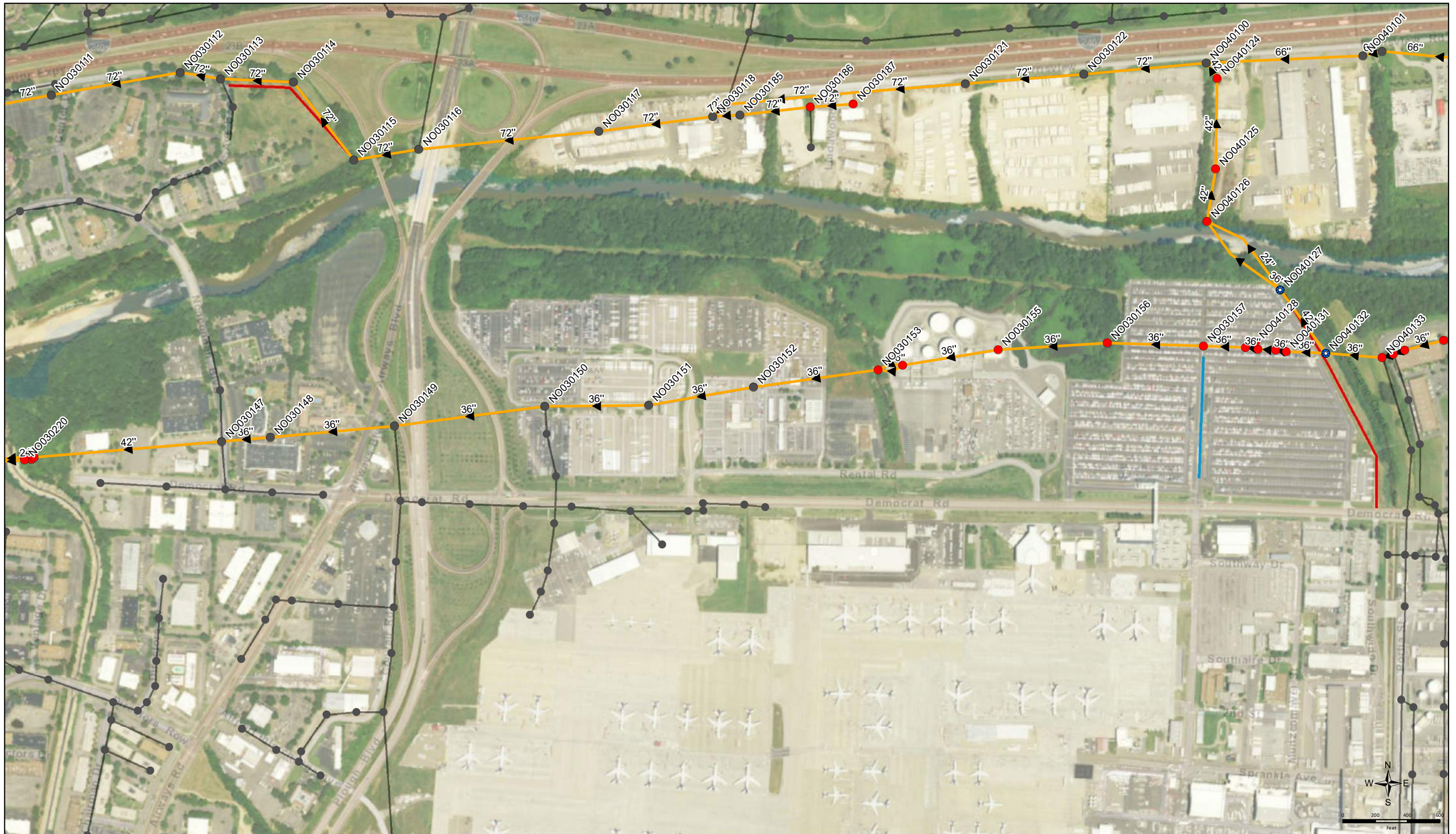


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## Nonconnah Interceptor Alignment City of Memphis



1 inch = 585 feet





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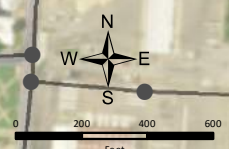


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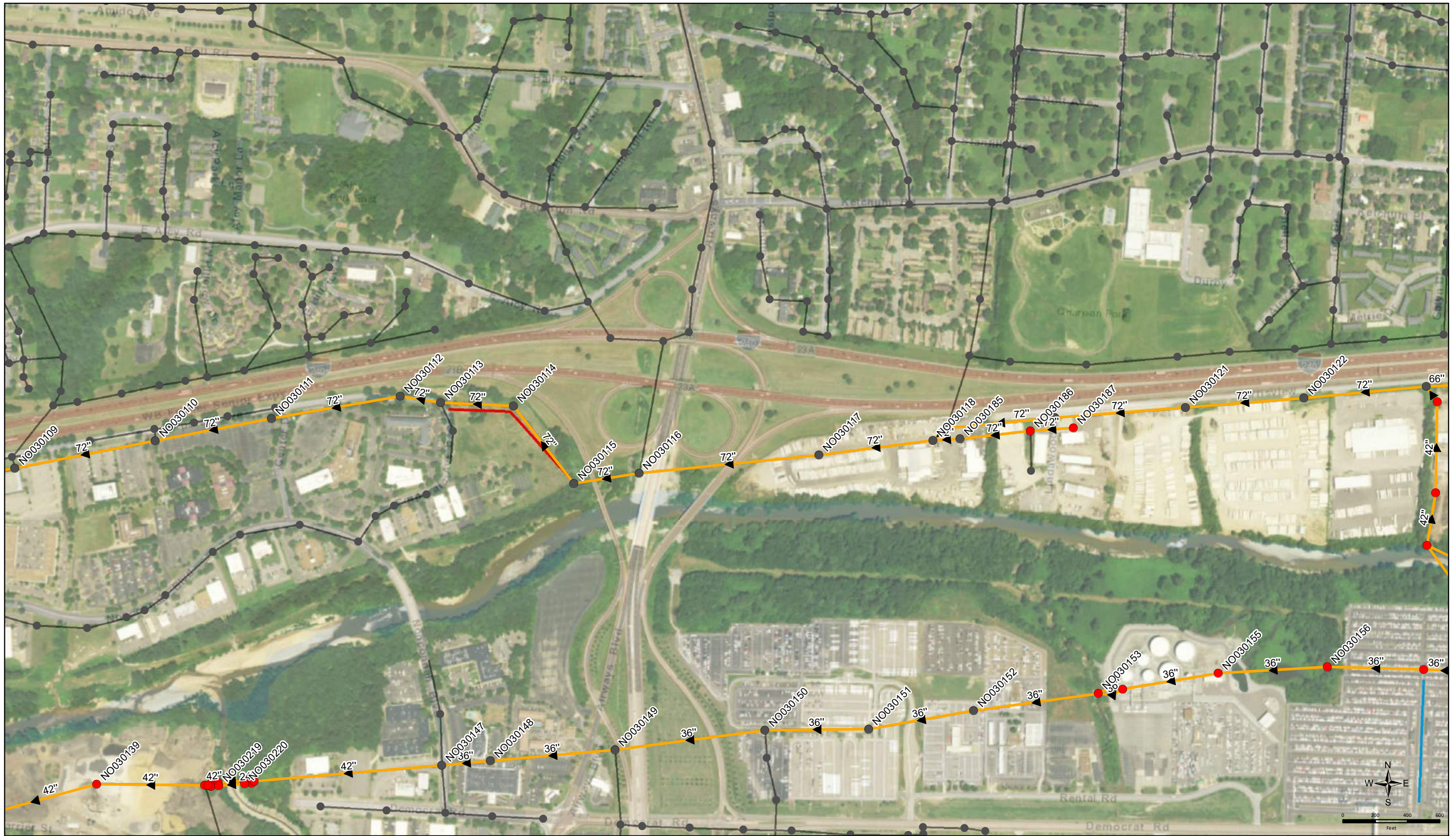


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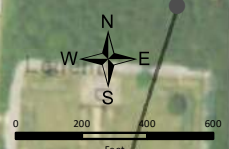
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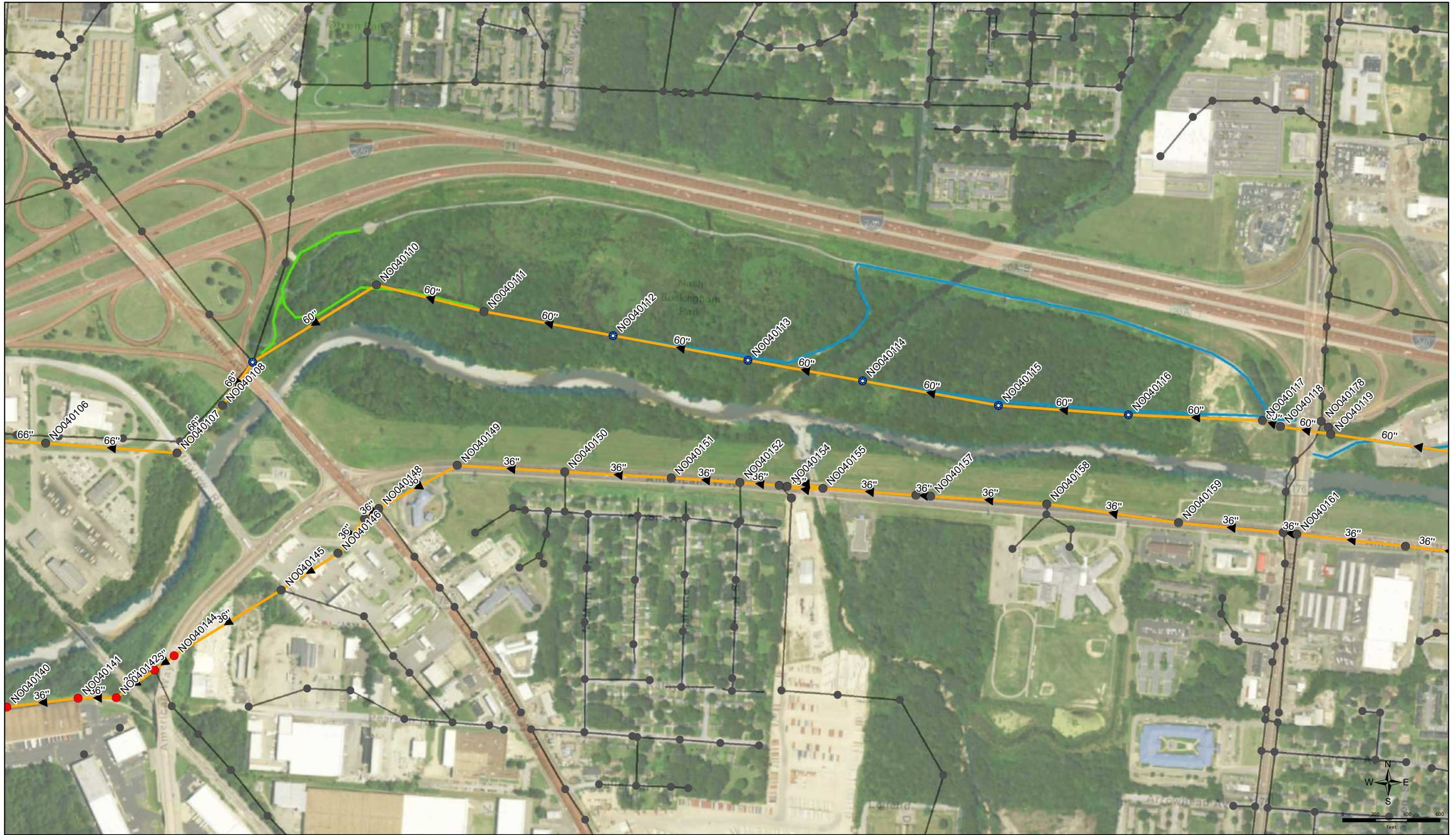


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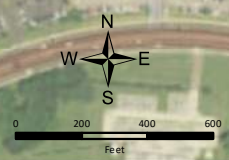


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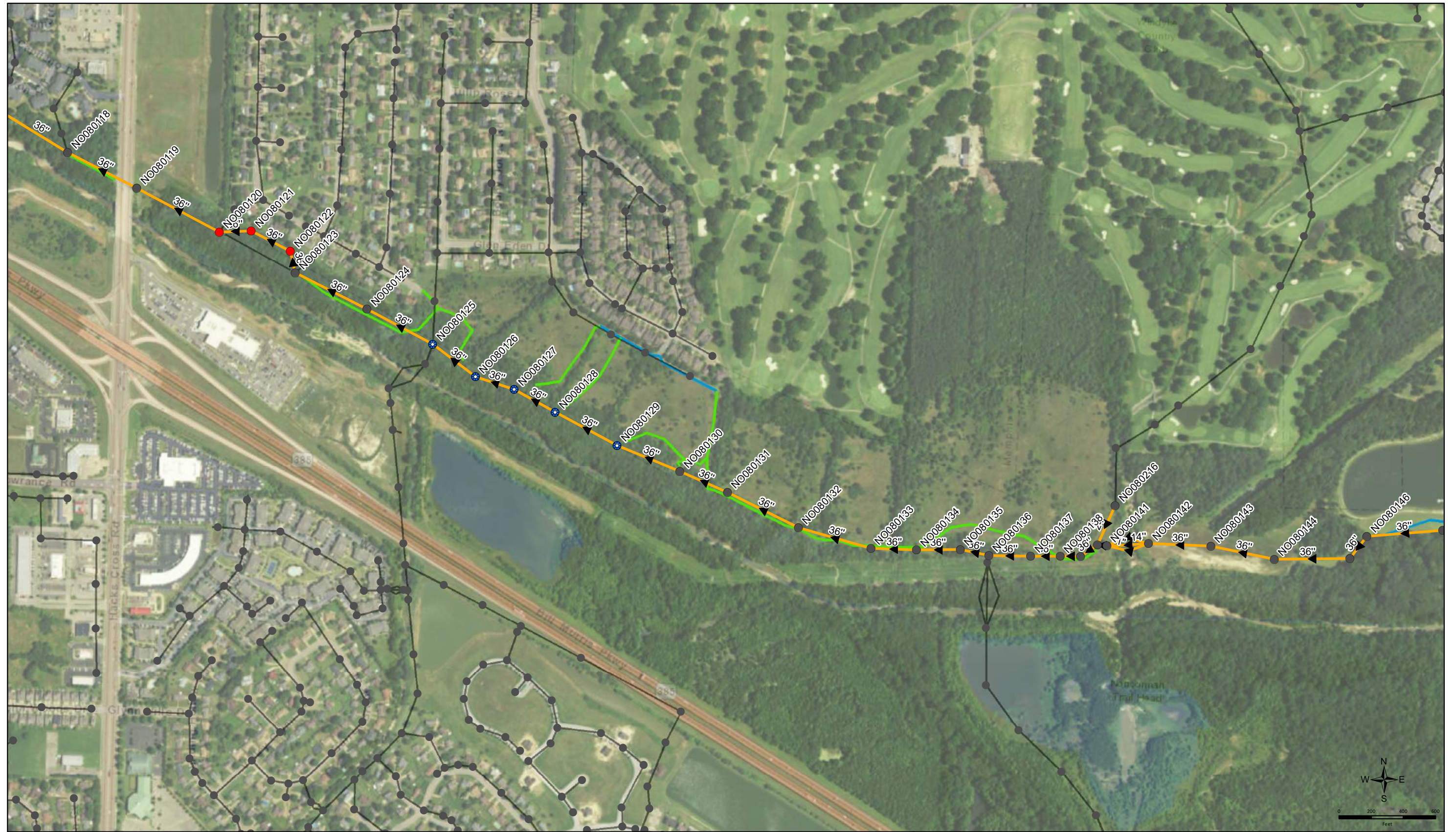
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- Roads to be Constructed by Sept. 1, 2018  
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**Nonconnah Interceptor Alignment**  
**City of Memphis**







- Manhole-Field Verified <4' Above Grade
- Manhole-Field Verified >4' Above Grade
- Manhole-Not Field Verified
- ▶ Nonconnah Interceptor
- Gravity Main
- Existing Access Road
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(Roads will be Constructed by Others)
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## Nonconnah Interceptor Alignment City of Memphis



**BLACK & VEATCH**  
Building a world of difference.







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## Nonconnah Interceptor Alignment City of Memphis

1 inch = 585 feet

**BLACK & VEATCH**  
Building a world of difference.





**NO010103**



**NO010107**





**NO010110**



**NO010113**





**NO010114**



**NO010125**





**NO010135**



**NO020100**





**NO020101**



**NO020102**





**NO020103**



**NO020104**





**NO020105**



**NO020111**





**NO020112**



**NO020113**





**NO020114**



**NO020121**





**NO020121A**



**NO020124**





**NO020127**



**NO020133**





**NO020135**



**NO030104**





**NO030114**



**NO030114**





**NO030119**



**NO030121**





**NO030122**



**NO030123**





**NO030124**



**NO030134**





**NO030149**



**NO040101**





**NO040102**



**NO040103**





**NO040104**



**NO040105**





**NO040109**



**NO040112**





**NO040113**

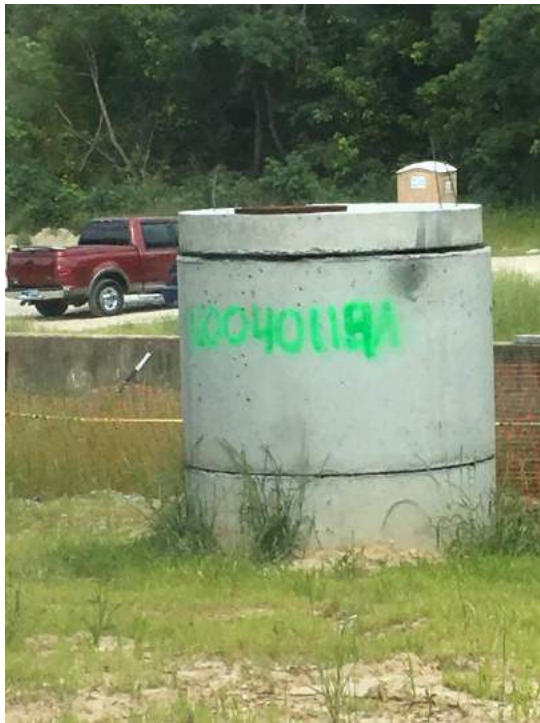


**NO040113A**





**NO040114**



**NO040114**





**NO040115**



**NO040116**





**NO040118**



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**NO040122**





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**NO040146**





**NO040148**



**NO040166**





**NO050100**



**NO050101**





**NO050103**



**NO080108**





**NO080109**



**NO080111**





**NO080130**



**NO080131**





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**NO080135**



**NO080136**





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**NO080140**





**NO080142**



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**NO080146**





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**NO080149**





**NO080150**



**NO080152**



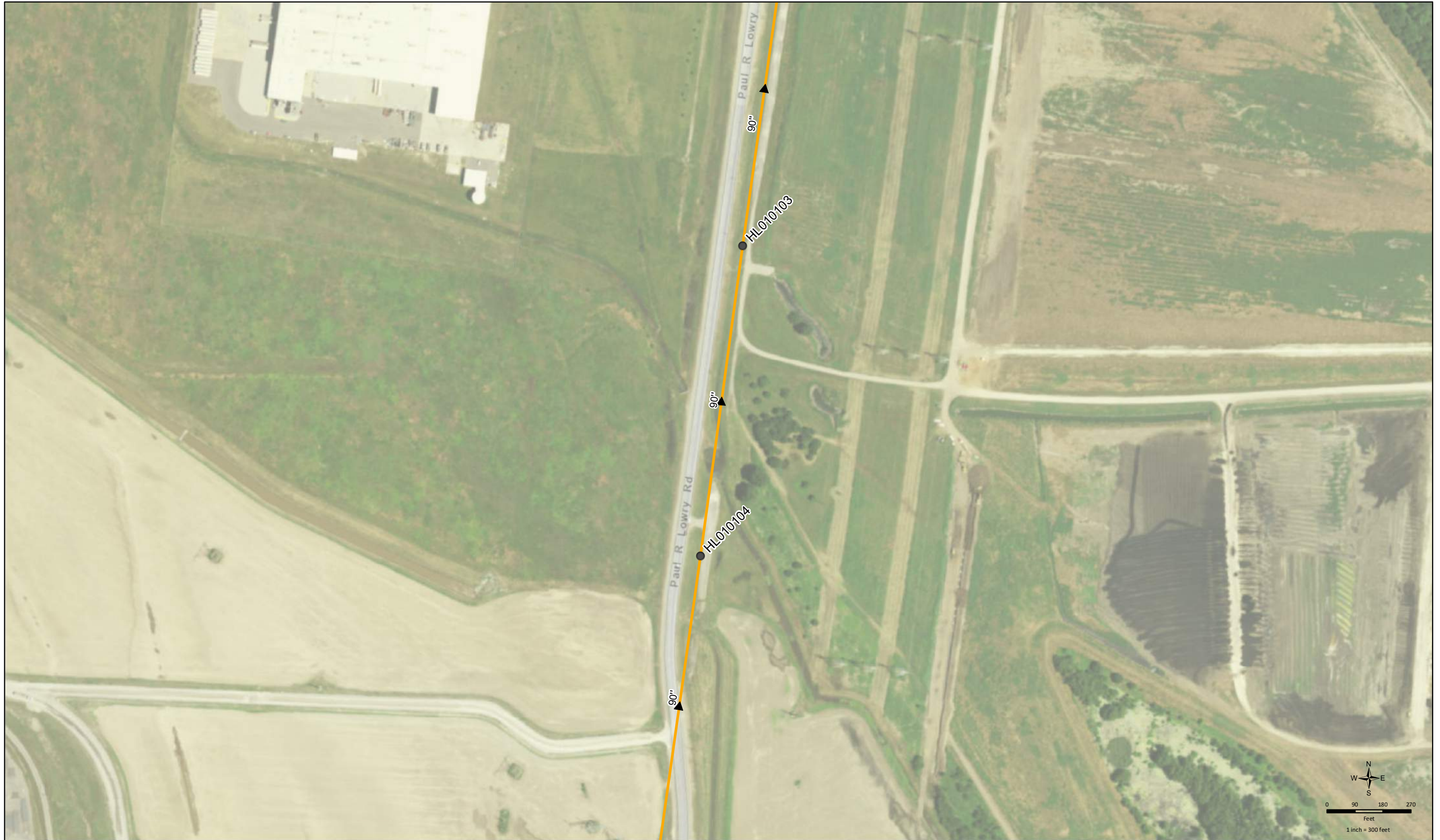


- Manhole-Field Verified <4' Above Grade
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- ➔ Horn Lake Interceptor
- Gravity Main
- Existing Access Road
- Roads to be Constructed by July 1, 2018  
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## Horn Lake Interceptor Alignment

### City of Memphis

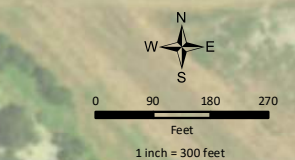




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## Horn Lake Interceptor Alignment

### City of Memphis







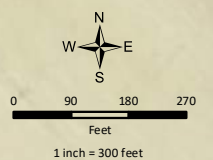
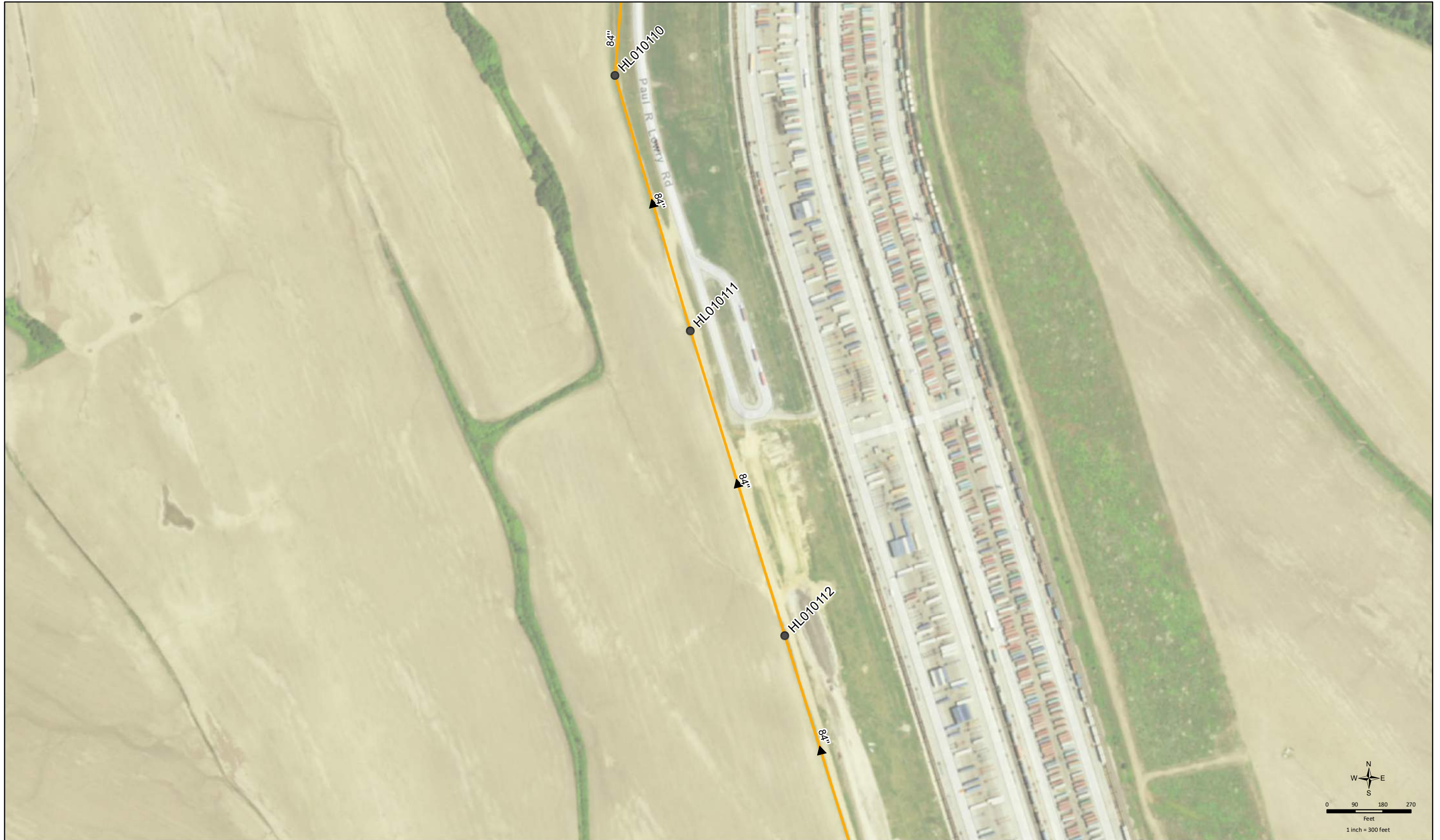
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### City of Memphis







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## Horn Lake Interceptor Alignment

### City of Memphis





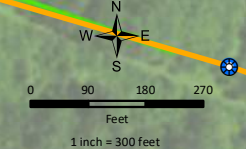


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**City of Memphis**







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**City of Memphis**







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**Horn Lake Interceptor Alignment**  
**City of Memphis**





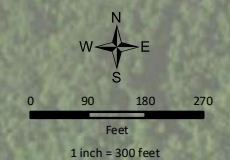
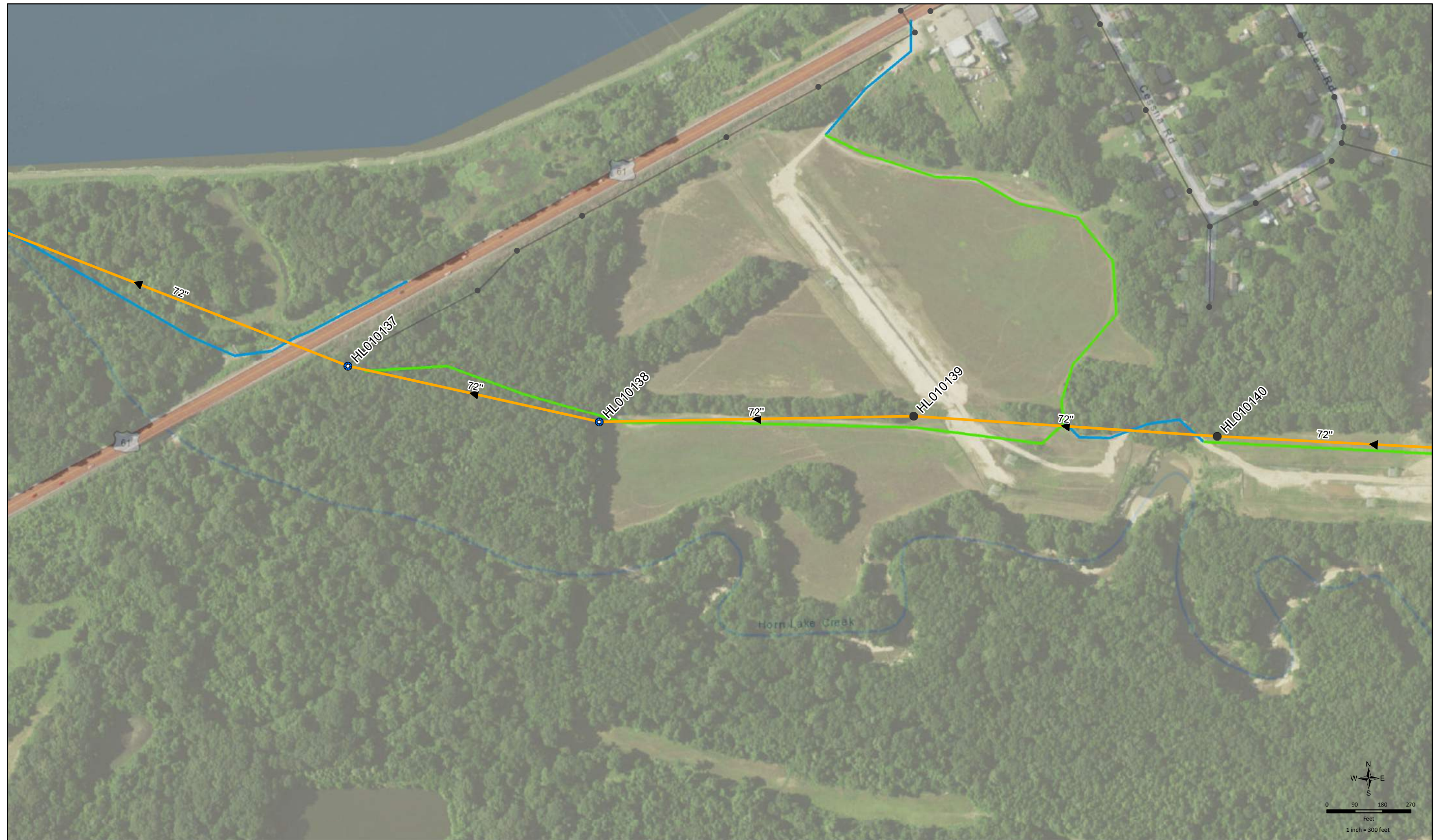


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## Horn Lake Interceptor Alignment

### City of Memphis





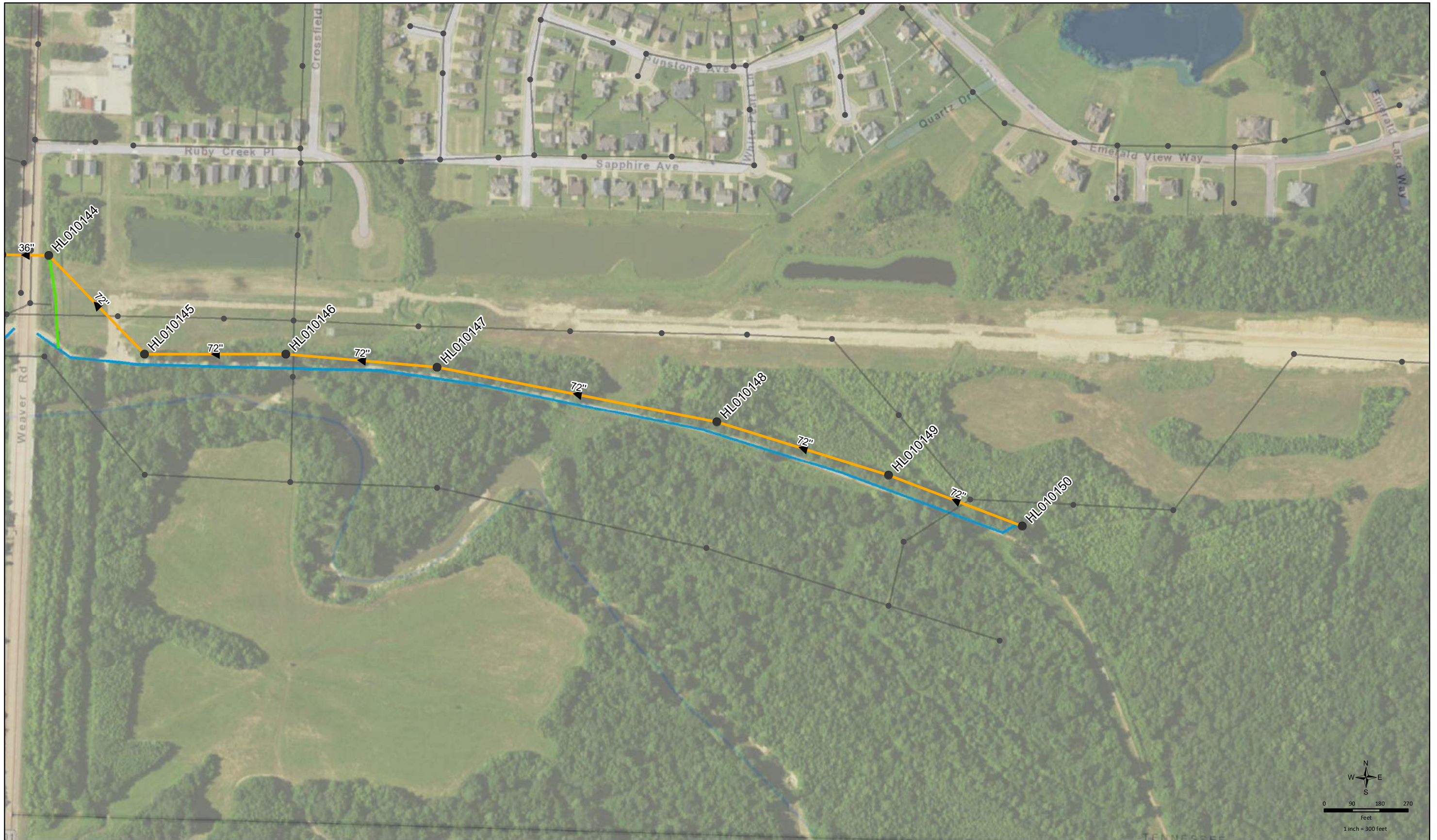
- Manhole-Field Verified <4' Above Grade    —▶— Horn Lake Interceptor    — Existing Access Road
- ⊕ Manhole-Field Verified >4' Above Grade    — Gravity Main    — Roads to be Constructed by July 1, 2018  
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## Horn Lake Interceptor Alignment

### City of Memphis

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## Horn Lake Interceptor Alignment

### City of Memphis







HL010115



HL010116





HL010117



HL010118





HL010119



HL010120





HL010121



HL010122





HL010126



HL010127





HL010128



HL010130





HL010131



HL010135





HL010136



HL010137





HL010138



HL010139





HL010143



HL010144





HL010145



HL010146





HL010147



HL010148





HL010149



HL010149





HL010149