

Extend top of 4.5' x 7.25' x 0.5' (total height x width x triangular bottom depth) concrete rectangular-triangular channel walls to elevation 235 from junction 13654 to 13622. Approximate additional channel height varies from 0.46' to 0.71' (upstream to downstream) across 37 LF.

Extend top of 4' x 7' x 0.5' (total height x width x triangular bottom depth) concrete rectangular-triangular channel walls to elevation 235 from junction 587 to 13654. Approximate additional channel height varies from 0' to 0.97' (upstream to downstream) across 270 LF.

Extend top of 5.33' x 7.5' x 0.5' (total height x width x triangular bottom depth) concrete rectangular-triangular channel walls to elevation 235 from junction 13622 to 13514. Approximate additional channel height varies from 0' to 1.61' (upstream to downstream) across 321 LF.

Extend top of 4.3' x 6.5' x 0.5' (total height x width x triangular bottom depth) concrete rectangular-triangular channel walls to elevation 235 from junction 589 to 13654. Approximate additional channel height varies from 0' to 0.66' (upstream to downstream) across 211 LF.

Extend top of 3.3' x 6.5' x 0.5' (total height x width x triangular bottom depth) concrete rectangular-triangular channel walls to elevation 236.5 from 13988 to 590. Approximate additional channel height varies from 0' to 2.13' (upstream to downstream) across 295 LF.

Replace 15 LF 24" RCP and 209 LF 1.4' grass triangular ditch with 2.75:1 side slopes with a 236 LF 2.5'(min) x 6.5' (height x width) rectangular concrete channel from junction 618 to 13942. Height transitions from 2.5' to approximately 4.1' (upstream to downstream) with a minimum top of wall elevation of 236.5. Lower upstream invert elevation by approximately 0.9' and connect downstream end to existing channel.

Construct new 10 LF 2.5' x 4.5' (height x width) rectangular concrete channel at 2% slope from junction 14319 to 619 in existing ditch. Lower downstream invert elevation by approximately 0.23'.

Replace 37 LF 24" RCP with 37 LF (36" RCP Eq.) 44" x 27" RCAP

- Legend:**
- City of Memphis Flooding Reports
 - City of Memphis Parcels
 - Junction**
 - Existing
 - Improved
 - Inactive
 - Conduit**
 - Existing
 - Improved
 - Inactive
 - Weir**
 - Active

- City of Memphis Parcel IDs:**
1. - 077009 00053
 2. - 077009 00054
 3. - 077008 00003
 4. - 077008 00002
 5. - 077008 00001

Drainage Basin: Rosita

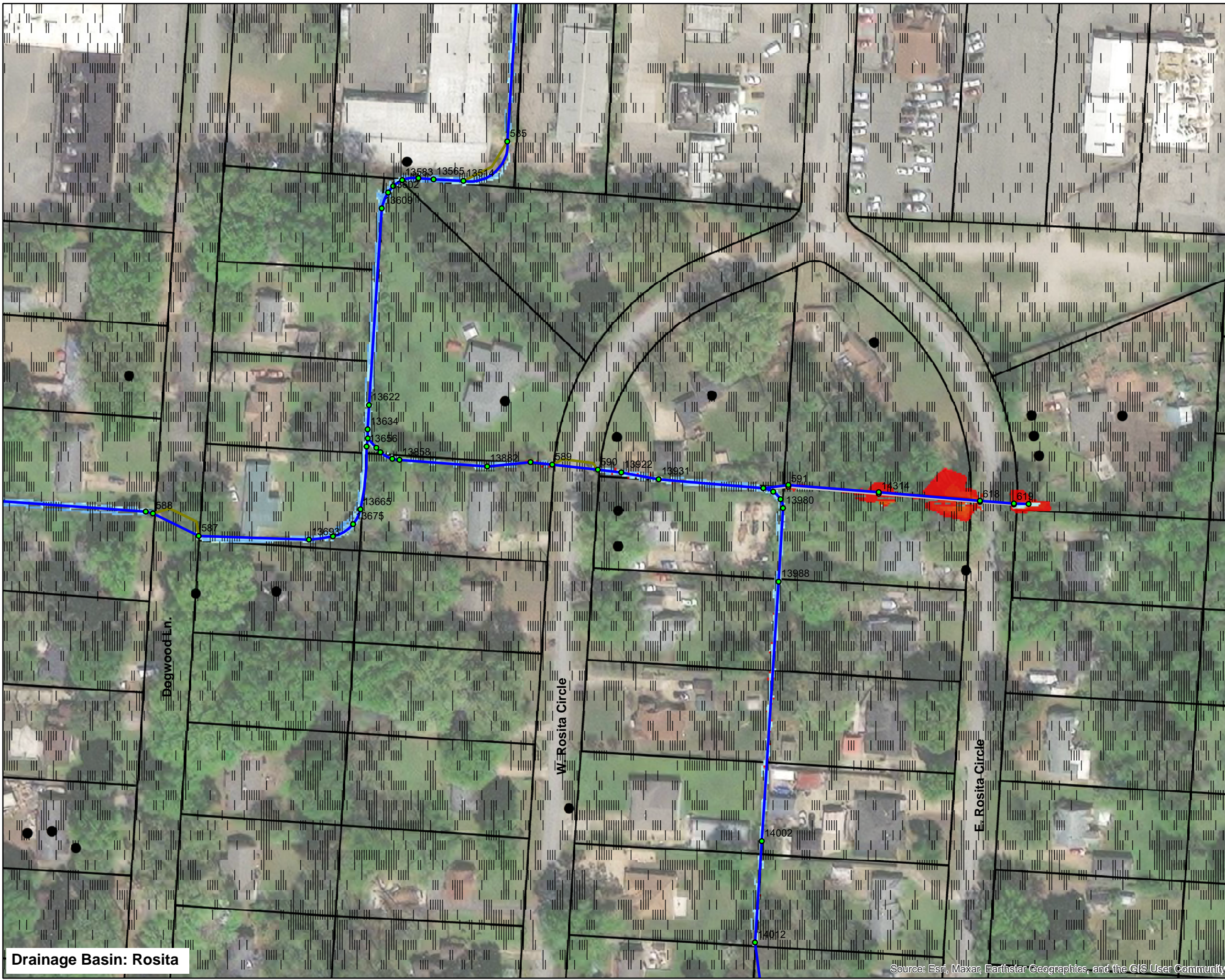
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community



▲ NORTH 1 inch = 100 feet

IA8B Improvements

Exhibit 19	15640750	June 2023
	Project No.	Date



- Legend:**
- City of Memphis Flooding Reports
 - City of Memphis Parcels
 - Junction**
 - Active
 - Inactive
 - Conduit**
 - Active
 - Inactive
 - Weir**
 - Active
 - Improved 10-Year Storm Inundation Depth (feet)**
 - 0.01 - 0.5
 - 0.51 - 1
 - 1.01 - 2
 - 2.01 - 3
 - 3.01 - 4
 - Existing 10-Year Storm Inundation Depth (feet)**
 - 0.01 - 0.5
 - 0.51 - 1
 - 1.01 - 2
 - 2.01 - 3

Drainage Basin: Rosita

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community



▲ NORTH		1 inch = 100 feet
IA8B 10-Year Existing vs. Improved		
Exhibit 20	15640750	June 2023
	Project No.	Date