

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.

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'.

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.

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

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.

- 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**

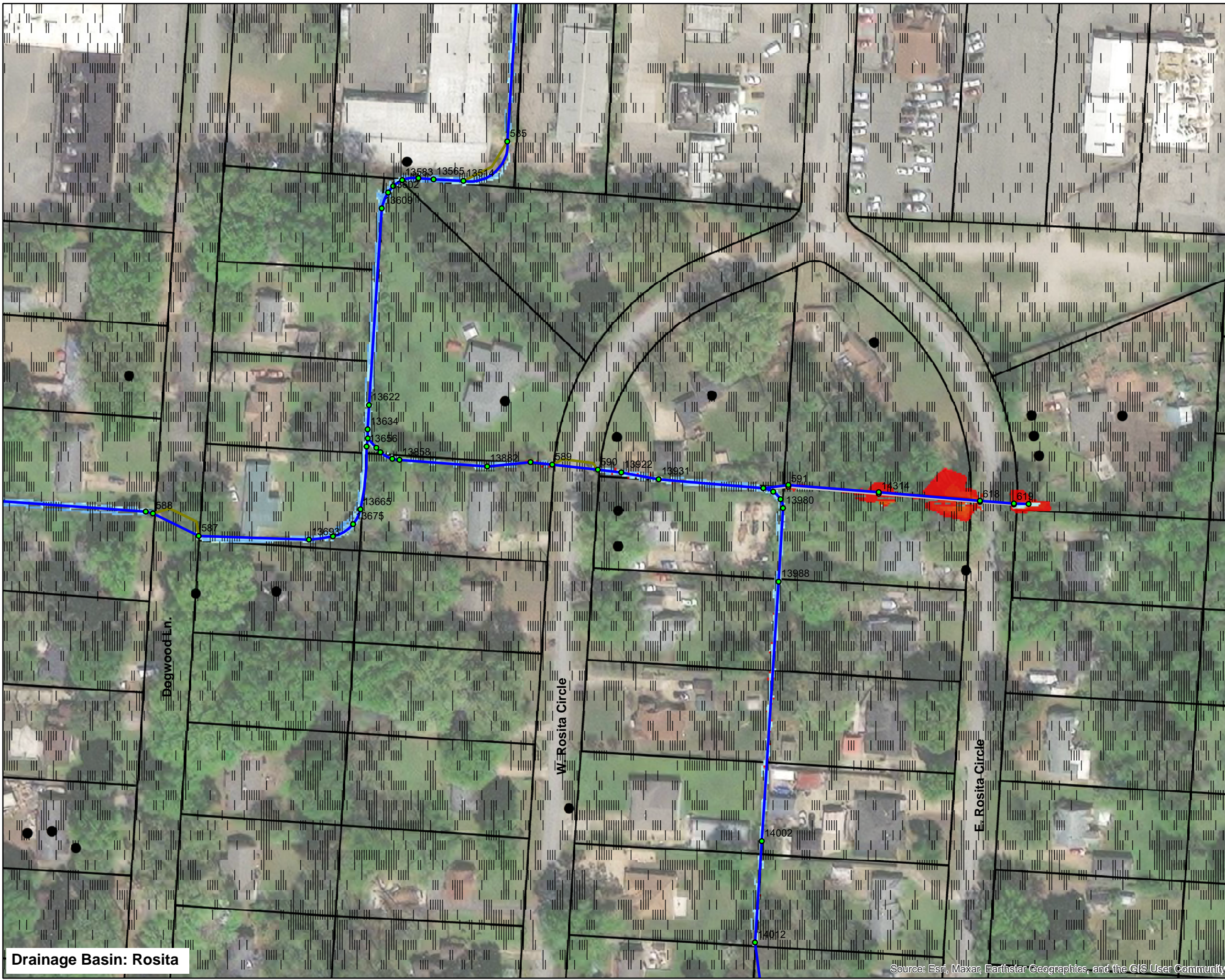
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community



▲ NORTH 1 inch = 100 feet

**IA8B Improvements**

Exhibit 67	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 68	15640750 Project No.	June 2023 Date



- Legend:**
- City of Memphis Flooding Reports
  - ▭ City of Memphis Parcels
- Junction**
- Active
  - Inactive
- Conduit**
- Active
  - Inactive
- Weir**
- Active
- Improved 100-Year Storm Inundation Depth (feet)**
- 0.01 - 0.5
  - 0.51 - 1
  - 1.01 - 2
  - 2.01 - 3
  - 3.01 - 4
  - 4.01 - 5
- Existing 100-Year Storm Inundation Depth (feet)**
- 0.01 - 0.5
  - 0.51 - 1
  - 1.01 - 2
  - 2.01 - 3
  - 3.01 - 4

Drainage Basin: Rosita



▲ NORTH 1 inch = 100 feet

IA8B 100-Year Existing vs. Improved

Exhibit 69	15640750	June 2023
	Project No.	Date

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



- Legend:**
- City of Memphis Flooding Reports
  - ▭ City of Memphis Parcels
  - Junction**
  - Active
  - Conduit**
  - Active

Drainage Basin: Rosita

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



▲ NORTH		1 inch = 100 feet
IA8C 10-Year Existing vs. Improved		
Exhibit 70	15640750	June 2023
	<small>Project No.</small>	<small>Date</small>



- Legend:**
- City of Memphis Flooding Reports
  - ▭ City of Memphis Parcels
  - Junction**
  - Active
  - Conduit**
  - Active
  - Existing 100-Year Storm Inundation Depth (feet)**
  - 0.01 - 0.5

**Drainage Basin: Rosita**

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



▲ NORTH		1 inch = 100 feet
IA8C 100-Year Existing vs. Improved		
Exhibit 71	15640750	June 2023
	Project No.	Date