



— Storm Sewer

Open Channel

×—× Bridge/Culvert

--- Concrete Channel

- - - Natural Channel

Capacity Issue

Flooding Complaints

*

FLOOD CONTROL

▲

FLOODING

■

FLOODING-DRIVEWAY

■

FLOODING-LAND

◆

FLOODING-STREET

+

O+M-CLEANED

Existing 100-Year Floodplain

0 - 1 ft

1 - 2 ft

> 2 ft

Structure Flooding

No Flooding

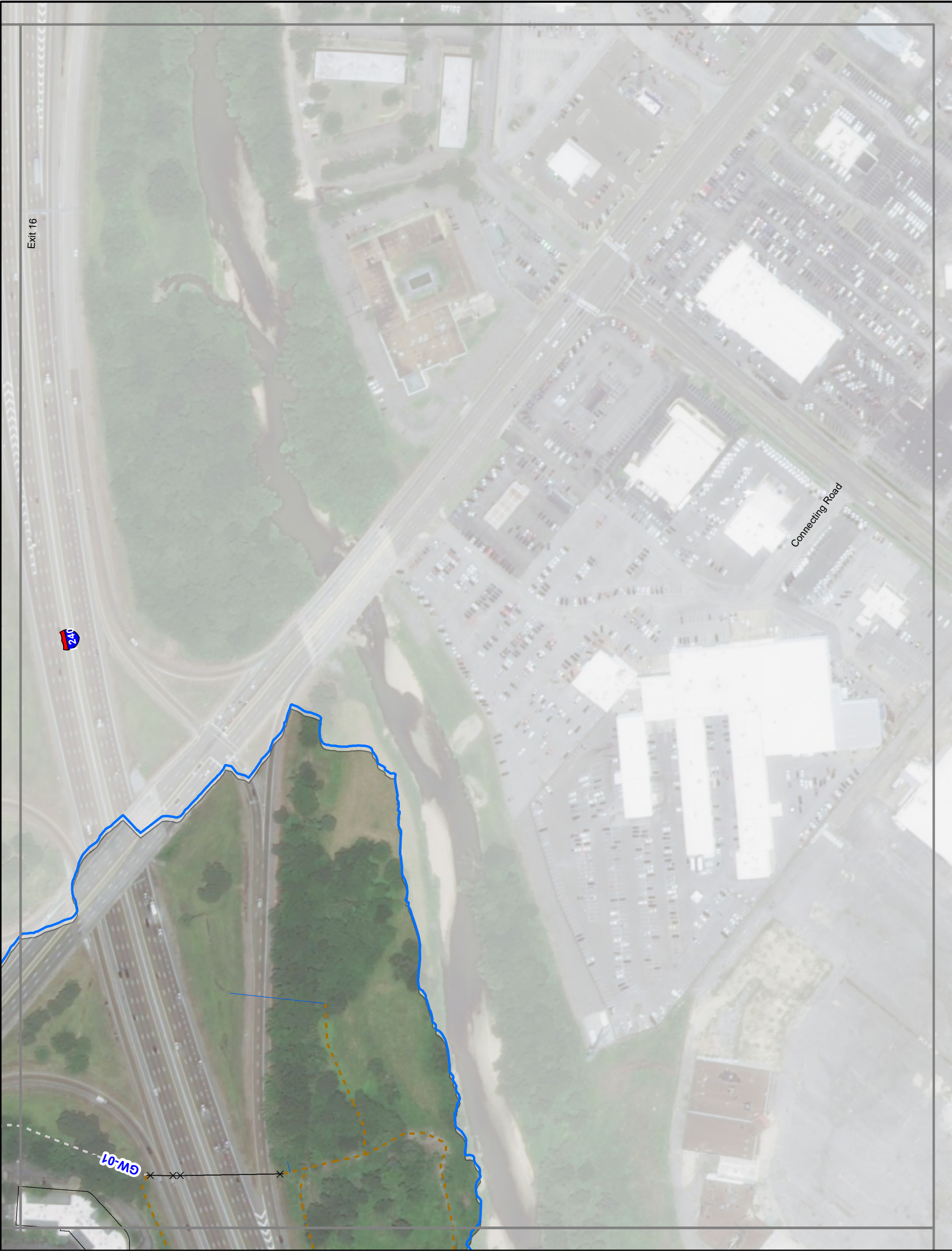
< 1 ft Depth

> 1 ft Depth

Watershed

Cherry Bayou

Goodwin



— Storm Sewer

Open Channel

×—× Bridge/Culvert

--- Concrete Channel

- - - Natural Channel

Capacity Issue

Flooding Complaints

★ FLOOD CONTROL

▲ FLOODING

■ FLOODING-DRIVEWAY

● FLOODING-LAND

◆ FLOODING-STREET

⊕ O+M-CLEANED

Existing 100-Year Floodplain

○

0 - 1 ft

○

1 - 2 ft

○

> 2 ft

Structure Flooding

□ No Flooding

□ < 1 ft Depth

□ > 1 ft Depth

Watershed

○ Cherry Bayou

○ Goodwin



LEGEND

Storm Sewer

Open Channel

Bridge/Culvert

Concrete Channel

Natural Channel

Capacity Issue

FLOODING COMPLAINTS

FLOOD CONTROL

FLOODING

FLOODING-DRIVEWAY

FLOODING-LAND

FLOODING-STREET

O+M-CLEANED

EXISTING 100-YEAR FLOODPLAIN

0 - 1 ft

1 - 2 ft

> 2 ft

STRUCTURE FLOODING

No Flooding

< 1 ft Depth

> 1 ft Depth

WATERSHED

Cherry Bayou

Goodwin

Map showing the location of the study area within the city of Memphis, highlighting the Cherry Bayou and Goodwin watersheds.

TETRA TECH

North Arrow

0 140 Feet

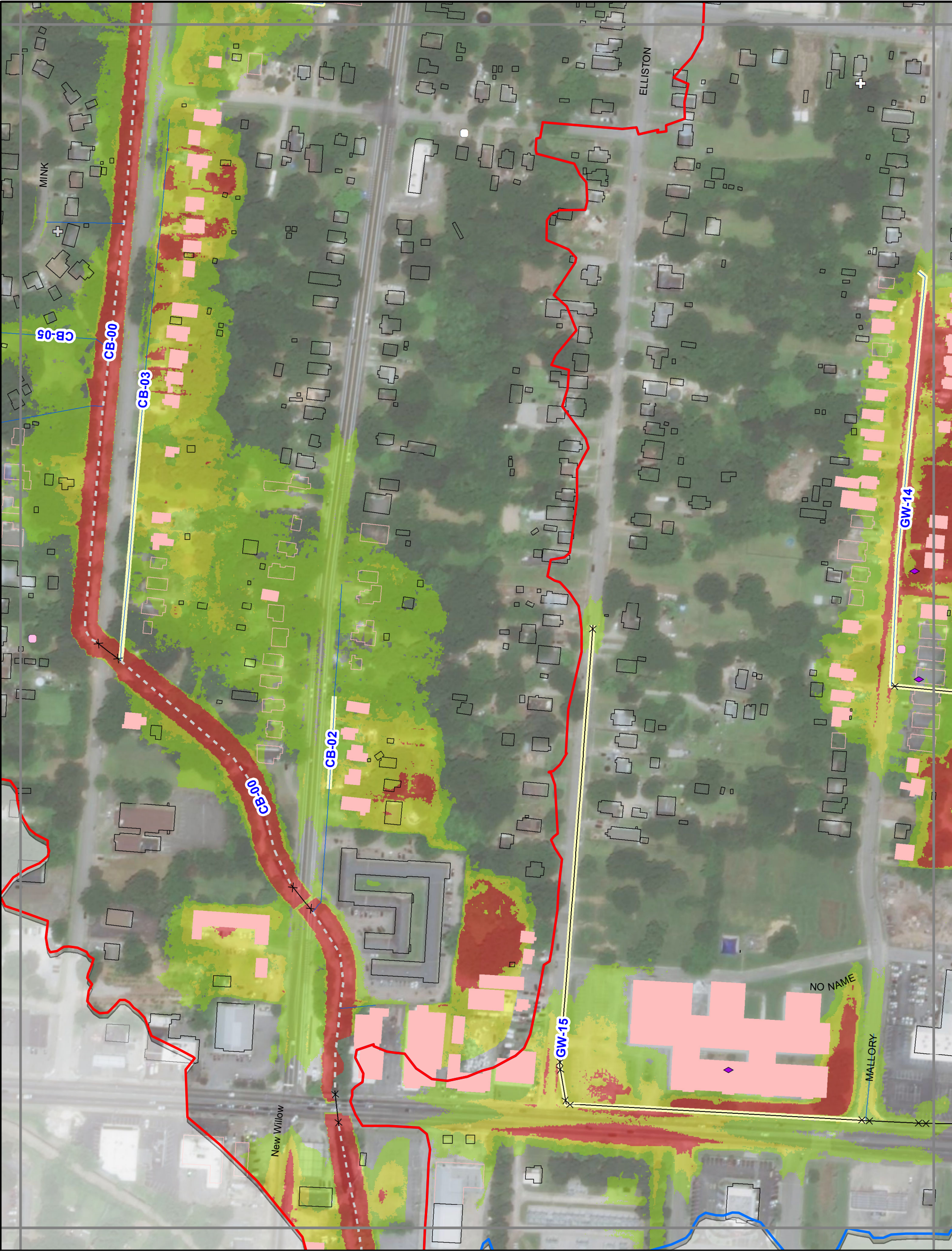
City of Memphis

Cherry Bayou Drainage Study

EXISTING 100-YEAR DESIGN STORM

Appendix E

6



Storm Sewer

Open Channel

Bridge/Culvert

Concrete Channel

Natural Channel

Capacity Issue

Flooding Complaints

FLOOD CONTROL

FLOODING

FLOODING-DRIVEWAY

FLOODING-LAND

FLOODING-STREET

O+M-CLEANED

Existing 100-Year Floodplain

0 - 1 ft

1 - 2 ft

> 2 ft

Structure Flooding

No Flooding

< 1 ft Depth

> 1 ft Depth

Watershed

Cherry Bayou

Goodwin

City of Memphis
Cherry Bayou Drainage Study

EXISTING 100-YEAR DESIGN STORM

Appendix E

7



Storm Sewer

Open Channel

Bridge/Culvert

Concrete Channel

Natural Channel

Capacity Issue

FLOODING COMPLAINTS

FLOOD CONTROL

FLOODING

FLOODING-DRIVEWAY

FLOODING-LAND

FLOODING-STREET

O+M-CLEANED

EXISTING 100-YEAR FLOODPLAIN

0 - 1 ft

1 - 2 ft

> 2 ft

STRUCTURE FLOODING

No Flooding

< 1 ft Depth

> 1 ft Depth

WATERSHED

Cherry Bayou

Goodwin

Map showing the location of the study area within the city of Memphis, Tennessee. The map highlights the Cherry Bayou and Goodwin watersheds, with a red box indicating the specific area shown in the main map.

0140

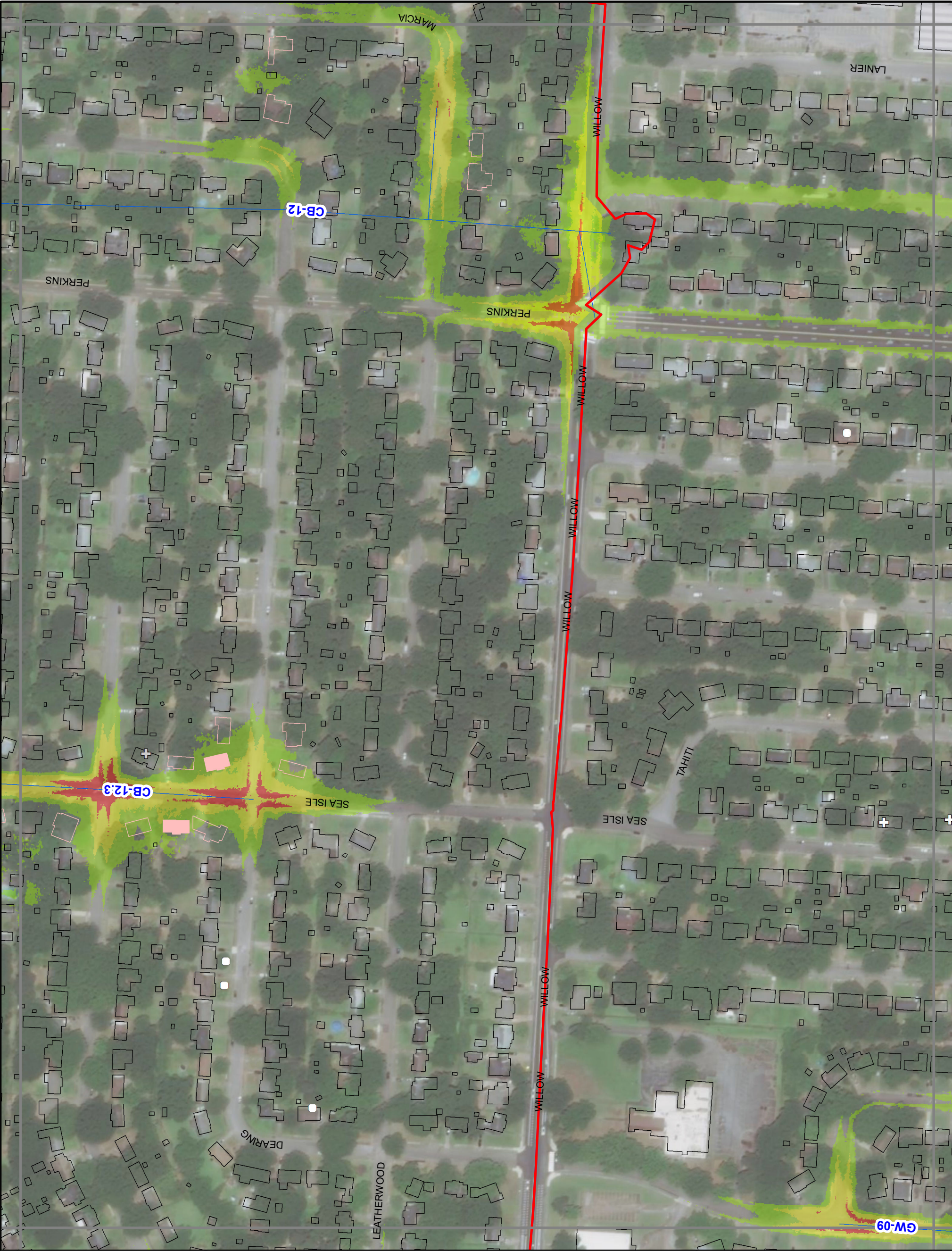
Feet

City of Memphis
Cherry Bayou Drainage Study

EXISTING 100-YEAR DESIGN STORM

Appendix E

8



Storm Sewer

Open Channel

Bridge/Culvert

Concrete Channel

Natural Channel

Capacity Issue

FLOODING COMPLAINTS

FLOOD CONTROL

FLOODING

FLOODING-DRIVEWAY

FLOODING-LAND

FLOODING-STREET

O+M-CLEANED

EXISTING 100-YEAR FLOODPLAIN

0 - 1 ft

1 - 2 ft

> 2 ft

STRUCTURE FLOODING

No Flooding

< 1 ft Depth

> 1 ft Depth

Watershed

Cherry Bayou

Goodwin

0140

Feet

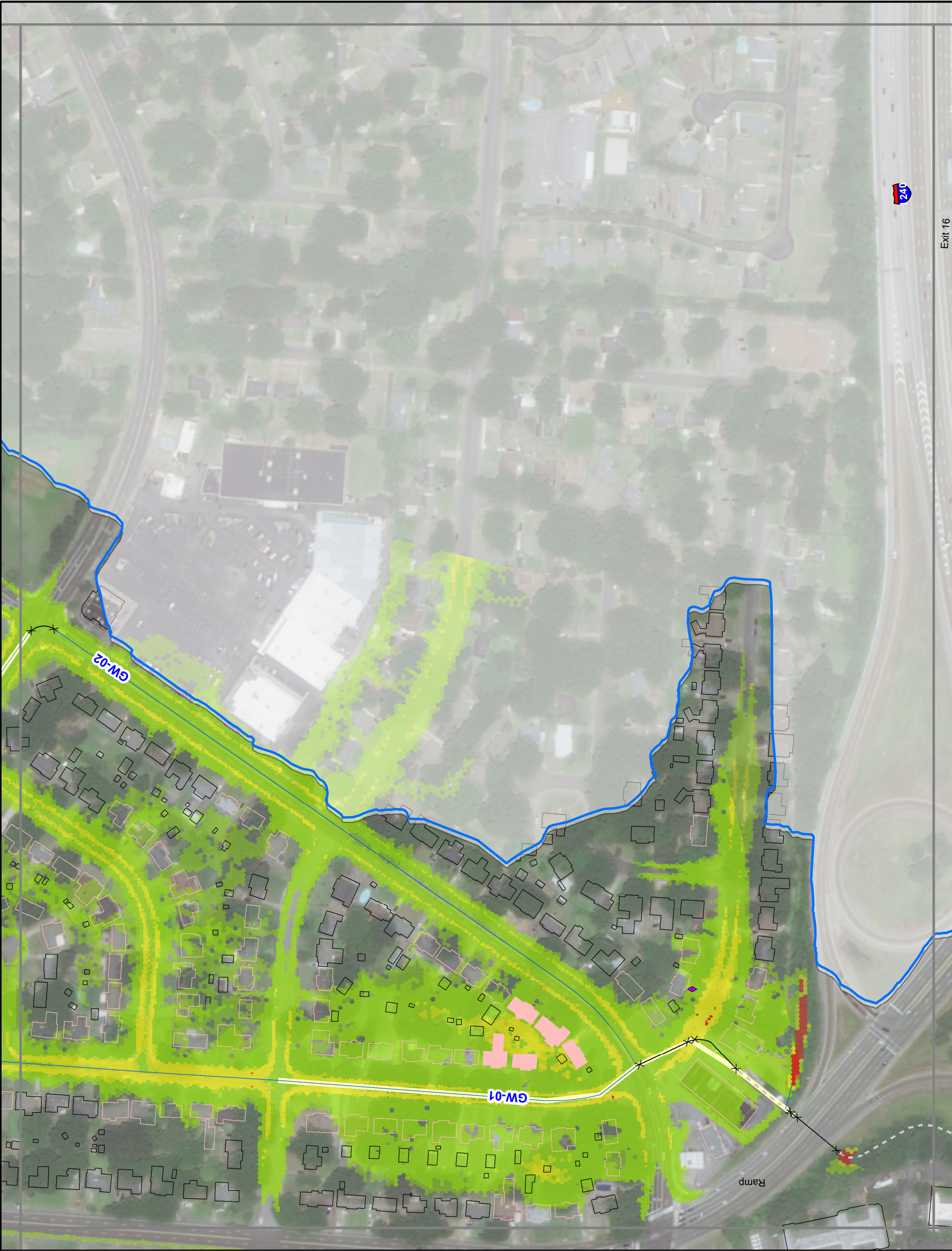
City of Memphis

Cherry Bayou Drainage Study

EXISTING 100-YEAR DESIGN STORM

Appendix E

9



Exit 16

— Storm Sewer

Open Channel

×—× Bridge/Culvert

--- Concrete Channel

--- Natural Channel

Capacity Issue

Flooding Complaints

★ FLOOD CONTROL

▲ FLOODING

■ FLOODING-DRIVEWAY

■ FLOODING-LAND

◆ FLOODING-STREET

⊕ O+M-CLEANED

Existing 100-Year Floodplain

0 - 1 ft

1 - 2 ft

> 2 ft

Structure Flooding

No Flooding

< 1 ft Depth

> 1 ft Depth

Watershed

Cherry Bayou

Goodwin

0140

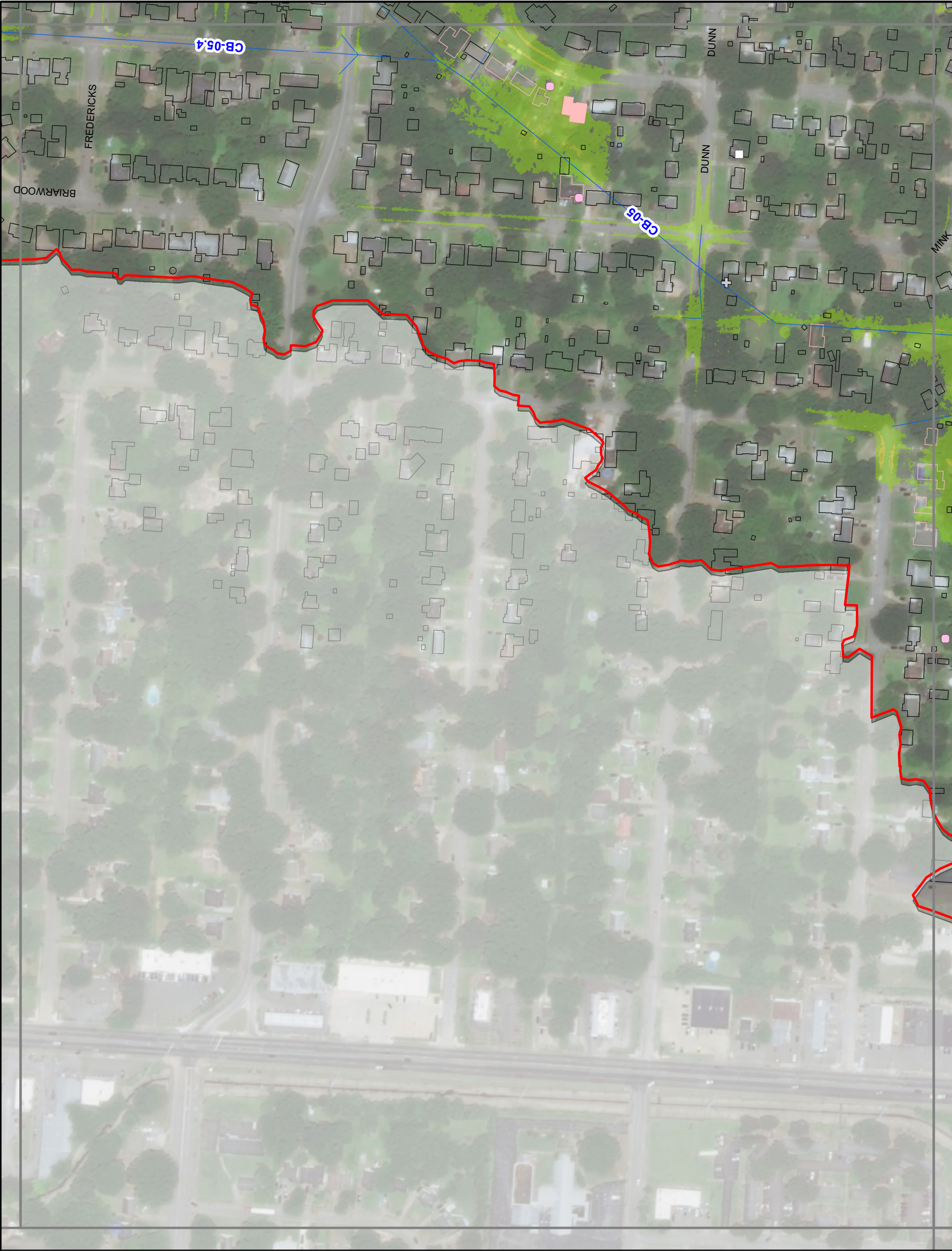
Feet

City of Memphis
Cherry Bayou Drainage Study

EXISTING 100-YEAR DESIGN STORM

Appendix E

11



— Storm Sewer

Open Channel

×—× Bridge/Culvert

--- Concrete Channel

- - - Natural Channel

Capacity Issue

Flooding Complaints

* FLOOD CONTROL

▲ FLOODING

■ FLOODING-DRIVEWAY

● FLOODING-LAND

◆ FLOODING-STREET

+ O+M-CLEANED

Existing 100-Year Floodplain

0 - 1 ft

1 - 2 ft

> 2 ft

Structure Flooding

No Flooding

< 1 ft Depth

> 1 ft Depth

Watershed

Cherry Bayou

Goodwin

0140

Feet

City of Memphis
Cherry Bayou Drainage Study

EXISTING 100-YEAR DESIGN STORM

Appendix E

12



Storm Sewer

Open Channel

Bridge/Culvert

Concrete Channel

Natural Channel

Capacity Issue

FLOODING COMPLAINTS

FLOOD CONTROL

FLOODING

FLOODING-DRIVEWAY

FLOODING-LAND

FLOODING-STREET

O+M-CLEANED

EXISTING 100-YEAR FLOODPLAIN

0 - 1 ft

1 - 2 ft

> 2 ft

STRUCTURE FLOODING

No Flooding

< 1 ft Depth

> 1 ft Depth

WATERSHED

Cherry Bayou

Goodwin



Storm Sewer

Open Channel

Bridge/Culvert

Concrete Channel

Natural Channel

Capacity Issue

FLOODING COMPLAINTS

FLOOD CONTROL

FLOODING

FLOODING-DRIVEWAY

FLOODING-LAND

FLOODING-STREET

O+M-CLEANED

EXISTING 100-YEAR FLOODPLAIN

0 - 1 ft

1 - 2 ft

> 2 ft

STRUCTURE FLOODING

No Flooding

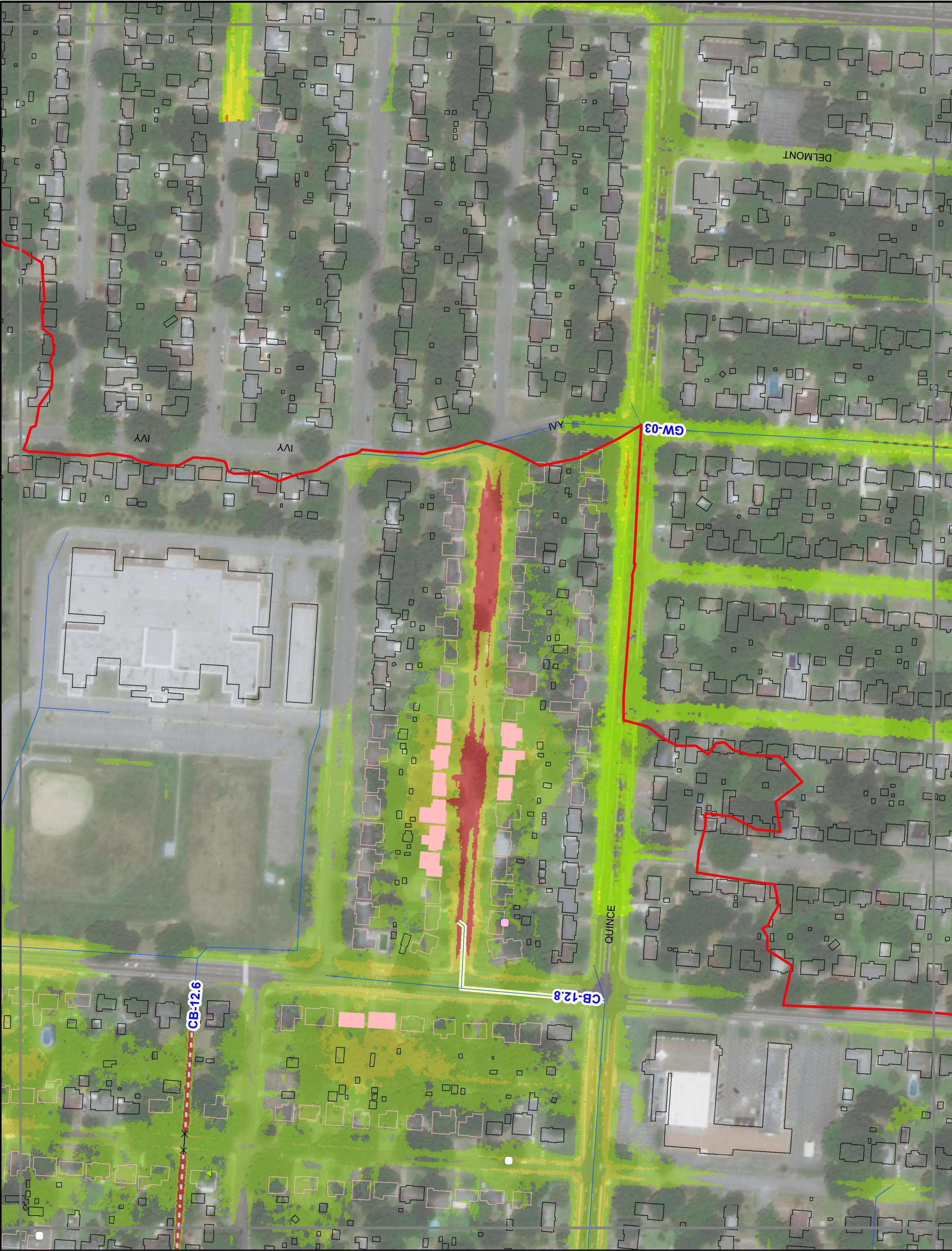
< 1 ft Depth

> 1 ft Depth

WATERSHED

Cherry Bayou

Goodwin



— Storm Sewer

Open Channel

× — × Bridge/Culvert

--- Concrete Channel

- - - Natural Channel

Capacity Issue

Flooding Complaints

*

 FLOOD CONTROL

▲

 FLOODING

■

 FLOODING-DRIVEWAY

●

 FLOODING-LAND

◆

 FLOODING-STREET

+

 O+M-CLEANED

Existing 100-Year Floodplain

○

 0 - 1 ft

○

 1 - 2 ft

○

 > 2 ft

Structure Flooding

□

 No Flooding

□

 < 1 ft Depth

□

 > 1 ft Depth

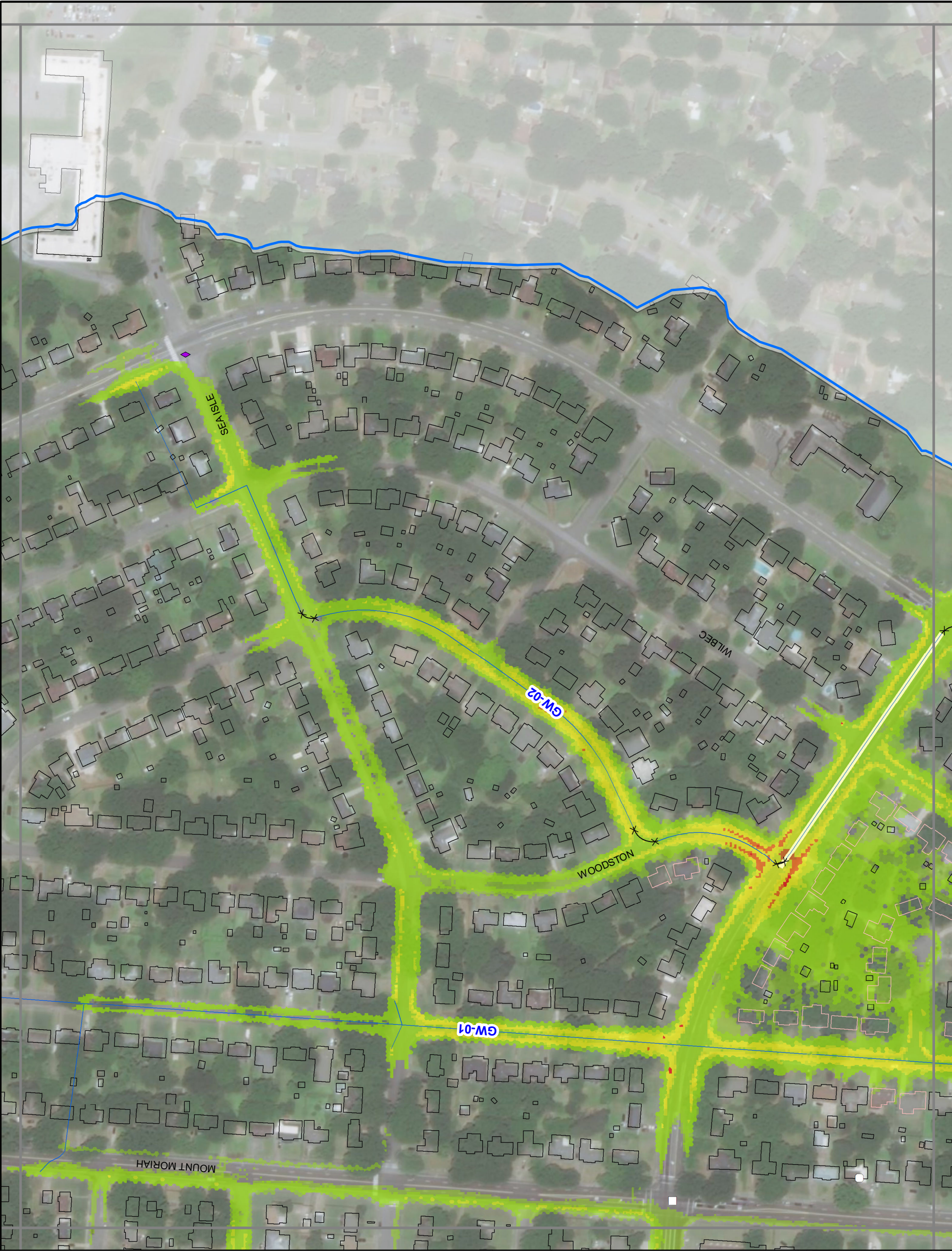
Watershed

○

 Cherry Bayou

○

 Goodwin



— Storm Sewer

Open Channel

×—× Bridge/Culvert

--- Concrete Channel

--- Natural Channel

Capacity Issue

Flooding Complaints

★ FLOOD CONTROL

▲ FLOODING

■ FLOODING-DRIVEWAY

■ FLOODING-LAND

◆ FLOODING-STREET

⊕ O+M-CLEANED

Existing 100-Year Floodplain

0 - 1 ft

1 - 2 ft

> 2 ft

Structure Flooding

No Flooding

< 1 ft Depth

> 1 ft Depth

Watershed

Cherry Bayou

Goodwin

0 140

Feet

City of Memphis
Cherry Bayou Drainage Study

EXISTING 100-YEAR DESIGN STORM

Appendix E

16



Storm Sewer

Open Channel

Bridge/Culvert

Concrete Channel

Natural Channel

Capacity Issue

FLOODING COMPLAINTS

FLOOD CONTROL

FLOODING

FLOODING-DRIVEWAY

FLOODING-LAND

FLOODING-STREET

O+M-CLEANED

EXISTING 100-YEAR FLOODPLAIN

0 - 1 ft

1 - 2 ft

> 2 ft

STRUCTURE FLOODING

No Flooding

< 1 ft Depth

> 1 ft Depth

WATERSHED

Cherry Bayou

Goodwin

LEGEND

0

140

Feet

City of Memphis

Cherry Bayou Drainage Study

EXISTING 100-YEAR DESIGN STORM

Appendix E

17

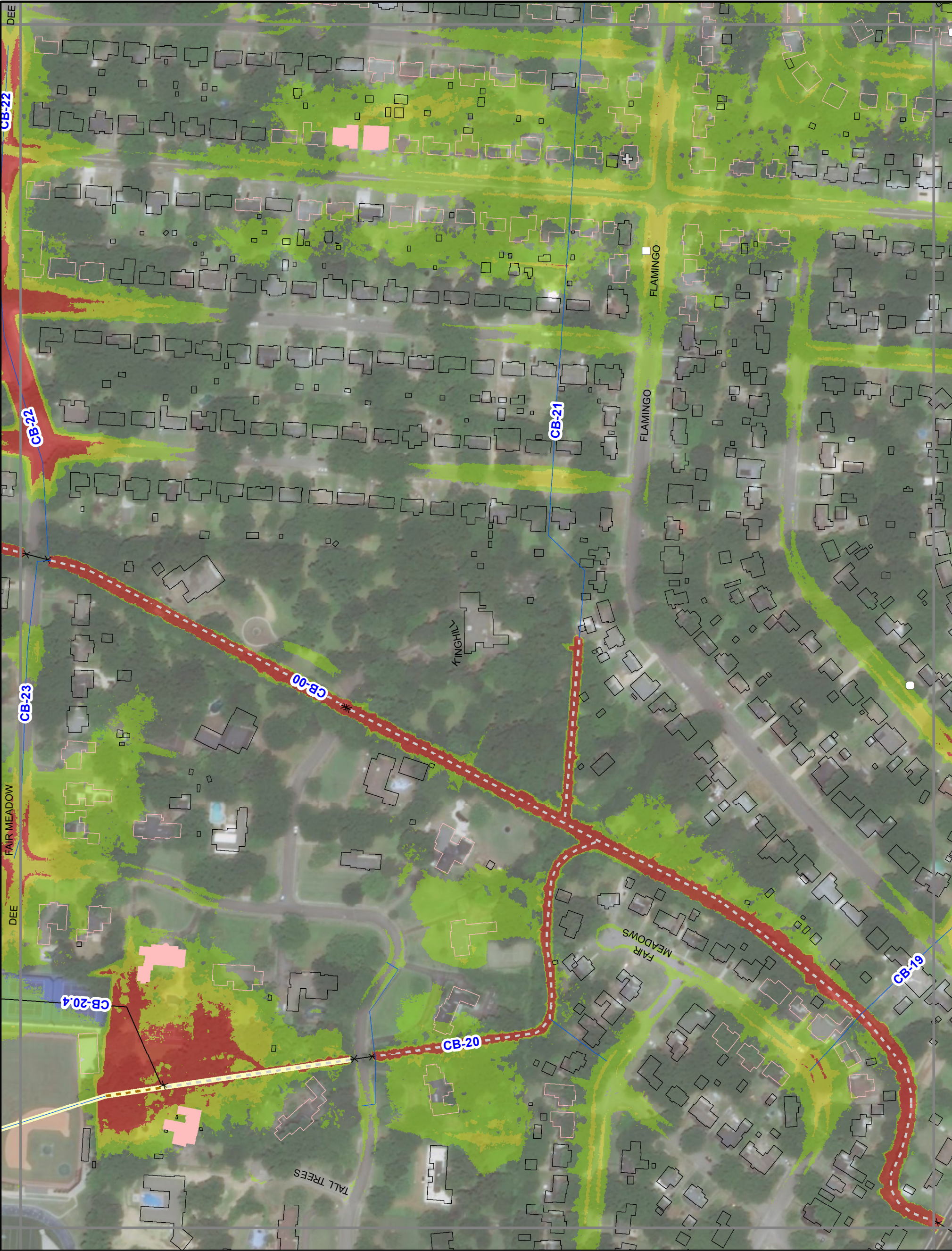


LEGEND		FLOODING COMPLAINTS		Existing 100-Year Floodplain		Structure Flooding		Watershed	
Open Channel		FLOOD CONTROL	FLOODING	0 - 1 ft	No Flooding	Cherry Bayou			
Bridge/Culvert		FLOODING-DRIVEWAY	1 - 2 ft	< 1 ft Depth	Goodwin				
Concrete Channel		FLOODING-LAND	> 2 ft	> 1 ft Depth					
Natural Channel		FLOODING-STREET							
Capacity Issue		O+M-CLEANED							

City of Memphis
Cherry Bayou Drainage Study

Appendix E
18

EXISTING 100-YEAR DESIGN STORM



LEGEND	Storm Sewer	Flooding Complaints	Existing 100-Year Floodplain	Structure Flooding	Watershed
	Bridge/Culvert	FLOOD CONTROL	No Flooding	No Flooding	Cherry Bayou
Concrete Channel	FLOODING	0 - 1 ft	< 1 ft Depth	Goodwin	
Natural Channel	FLOODING-DRIVEWAY	1 - 2 ft	> 1 ft Depth		
Capacity Issue	FLOODING-LAND	> 2 ft			
	FLOODING-STREET				
	O+M-CLEANED				

0 140
Feet

City of Memphis
Cherry Bayou Drainage Study

EXISTING 100-YEAR DESIGN STORM

Appendix E
19



Storm Sewer

Open Channel

Bridge/Culvert

Concrete Channel

Natural Channel

Capacity Issue

Flooding Complaints

FLOOD CONTROL

FLOODING

FLOODING-DRIVEWAY

FLOODING-LAND

FLOODING-STREET

O+M-CLEANED

Existing 100-Year Floodplain

0 - 1 ft

1 - 2 ft

> 2 ft

Structure Flooding

No Flooding

< 1 ft Depth

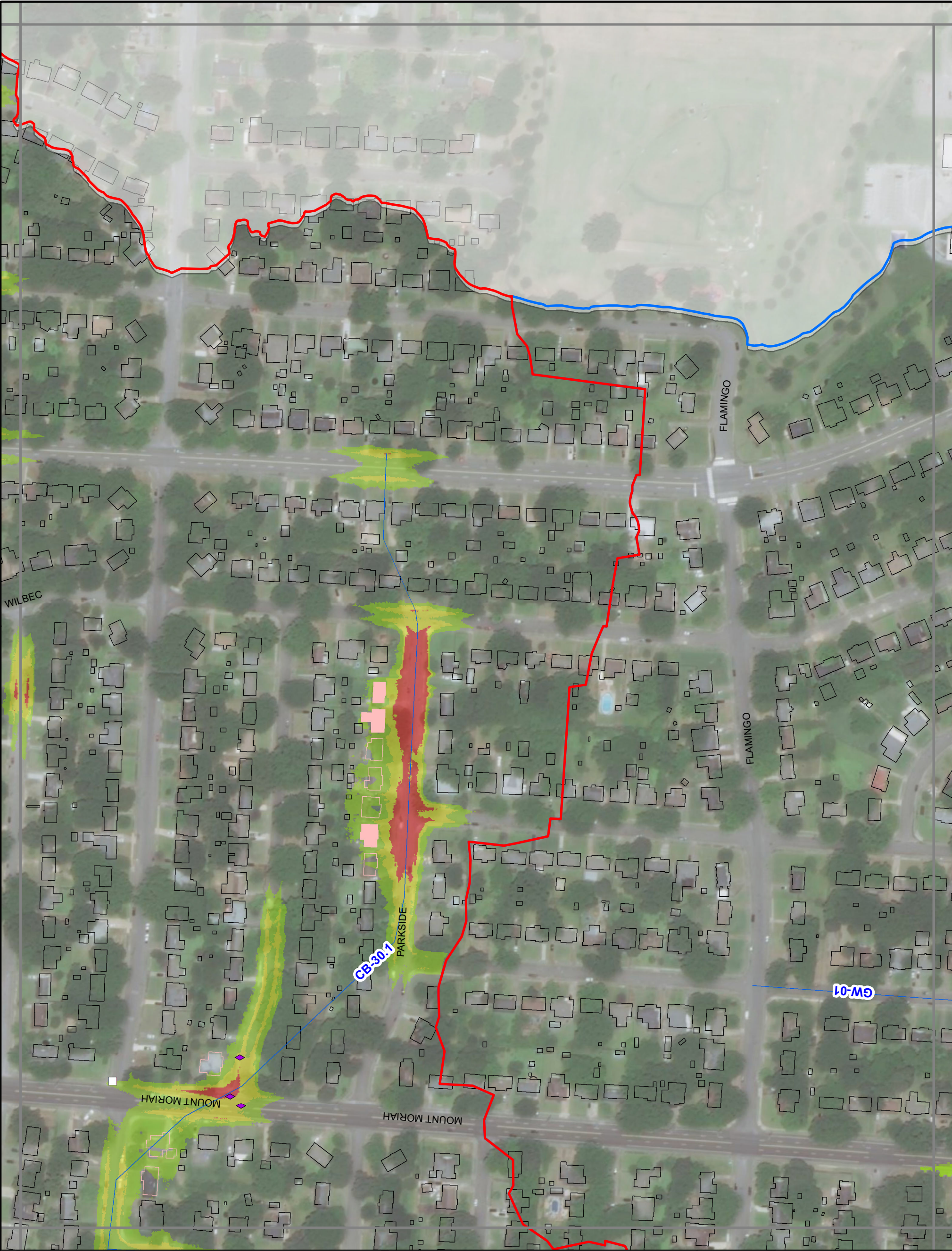
> 1 ft Depth

Watershed

Cherry Bayou

Goodwin

EXISTING 100-YEAR DESIGN STORM



Storm Sewer

Open Channel

Bridge/Culvert

Concrete Channel

Natural Channel

Capacity Issue

FLOODING COMPLAINTS

FLOOD CONTROL

FLOODING

FLOODING-DRIVEWAY

FLOODING-LAND

FLOODING-STREET

O+M-CLEANED

EXISTING 100-YEAR FLOODPLAIN

0 - 1 ft

1 - 2 ft

> 2 ft

STRUCTURE FLOODING

No Flooding

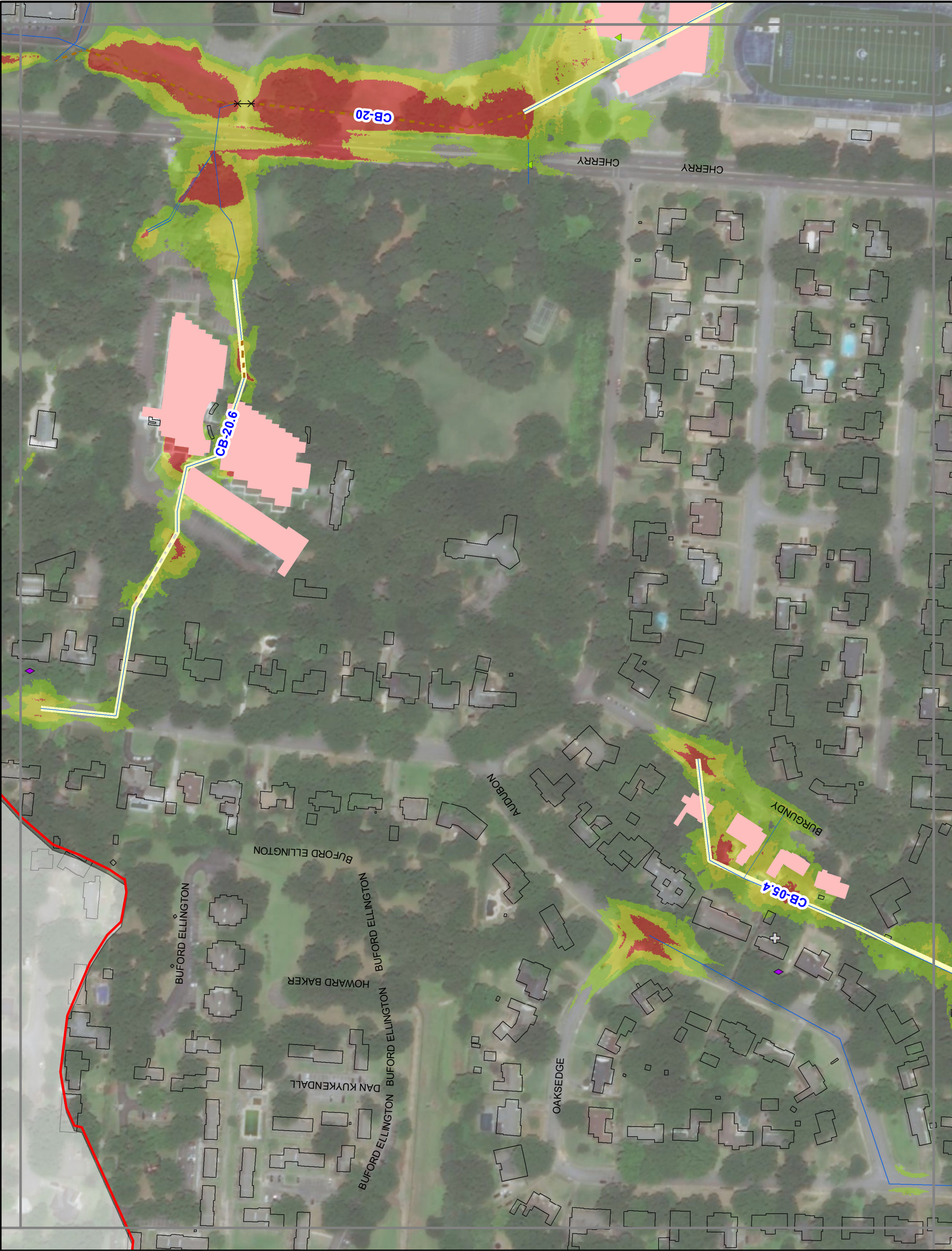
< 1 ft Depth

> 1 ft Depth

WATERSHED

Cherry Bayou

Goodwin



Storm Sewer

Open Channel

Bridge/Culvert

Concrete Channel

Natural Channel

Capacity Issue

Flooding Complaints

FLOOD CONTROL

FLOODING

FLOODING-DRIVEWAY

FLOODING-LAND

FLOODING-STREET

O+M-CLEANED

Existing 100-Year Floodplain

0 - 1 ft

1 - 2 ft

> 2 ft

Structure Flooding

No Flooding

< 1 ft Depth

> 1 ft Depth

Watershed

Cherry Bayou

Goodwin

0

140

Feet

City of Memphis

Cherry Bayou Drainage Study

EXISTING 100-YEAR DESIGN STORM

Appendix E

22



Storm Sewer

Open Channel

Bridge/Culvert

Concrete Channel

Natural Channel

Capacity Issue

FLOOD CONTROL

FLOODING

FLOODING-DRIVEWAY

FLOODING-LAND

FLOODING-STREET

O+M-CLEANED

Existing 100-Year Floodplain

0 - 1 ft

1 - 2 ft

> 2 ft

Structure Flooding

No Flooding

< 1 ft Depth

> 1 ft Depth

Watershed

Cherry Bayou

Goodwin

0

140

Feet

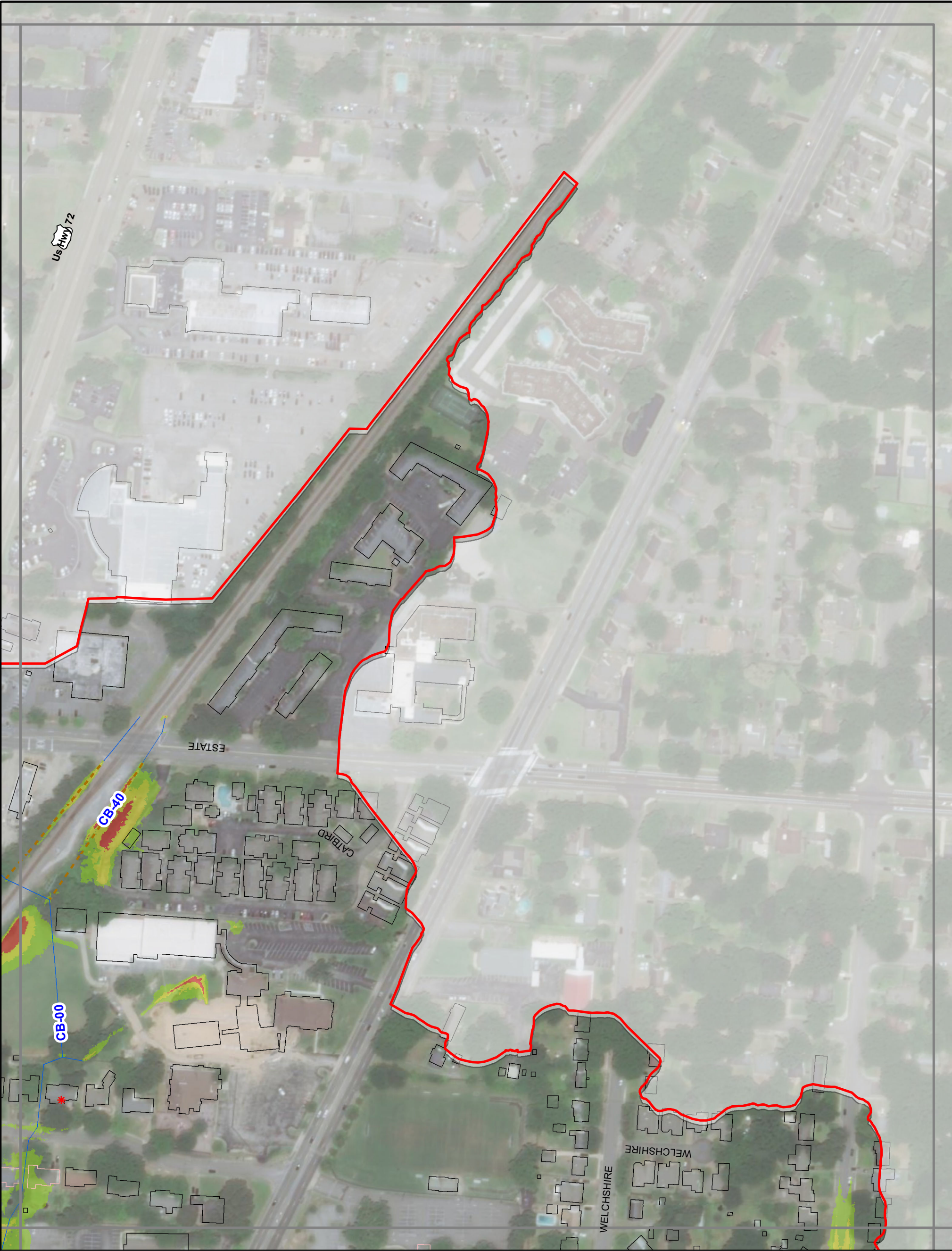
City of Memphis

Cherry Bayou Drainage Study

EXISTING 100-YEAR DESIGN STORM

Appendix E

25



Storm Sewer

Open Channel

Bridge/Culvert

Concrete Channel

Natural Channel

Capacity Issue

FLOODING COMPLAINTS

FLOOD CONTROL

FLOODING

FLOODING-DRIVEWAY

FLOODING-LAND

FLOODING-STREET

O+M-CLEANED

EXISTING 100-YEAR FLOODPLAIN

0 - 1 ft

1 - 2 ft

> 2 ft

STRUCTURE FLOODING

No Flooding

< 1 ft Depth

> 1 ft Depth

WATERSHED

Cherry Bayou

Goodwin



— Storm Sewer

Open Channel

×—× Bridge/Culvert

--- Concrete Channel

- - - Natural Channel

Capacity Issue

Flooding Complaints

* FLOOD CONTROL

▲ FLOODING

■ FLOODING-DRIVEWAY

● FLOODING-LAND

◆ FLOODING-STREET

⊕ O+M-CLEANED

Existing 100-Year Floodplain

0 - 1 ft

1 - 2 ft

> 2 ft

Structure Flooding

No Flooding

< 1 ft Depth

> 1 ft Depth

Watershed

Cherry Bayou

Goodwin

0140

Feet

City of Memphis
Cherry Bayou Drainage Study

EXISTING 100-YEAR DESIGN STORM

Appendix E

27



Storm Sewer

Open Channel

Bridge/Culvert

Concrete Channel

Natural Channel

Capacity Issue

Flooding Complaints

FLOOD CONTROL

FLOODING

FLOODING-DRIVEWAY

FLOODING-LAND

FLOODING-STREET

O+M-CLEANED

Existing 100-Year Floodplain

0 - 1 ft

1 - 2 ft

> 2 ft

Structure Flooding

No Flooding

< 1 ft Depth

> 1 ft Depth

Watershed

Cherry Bayou

Goodwin

0

140

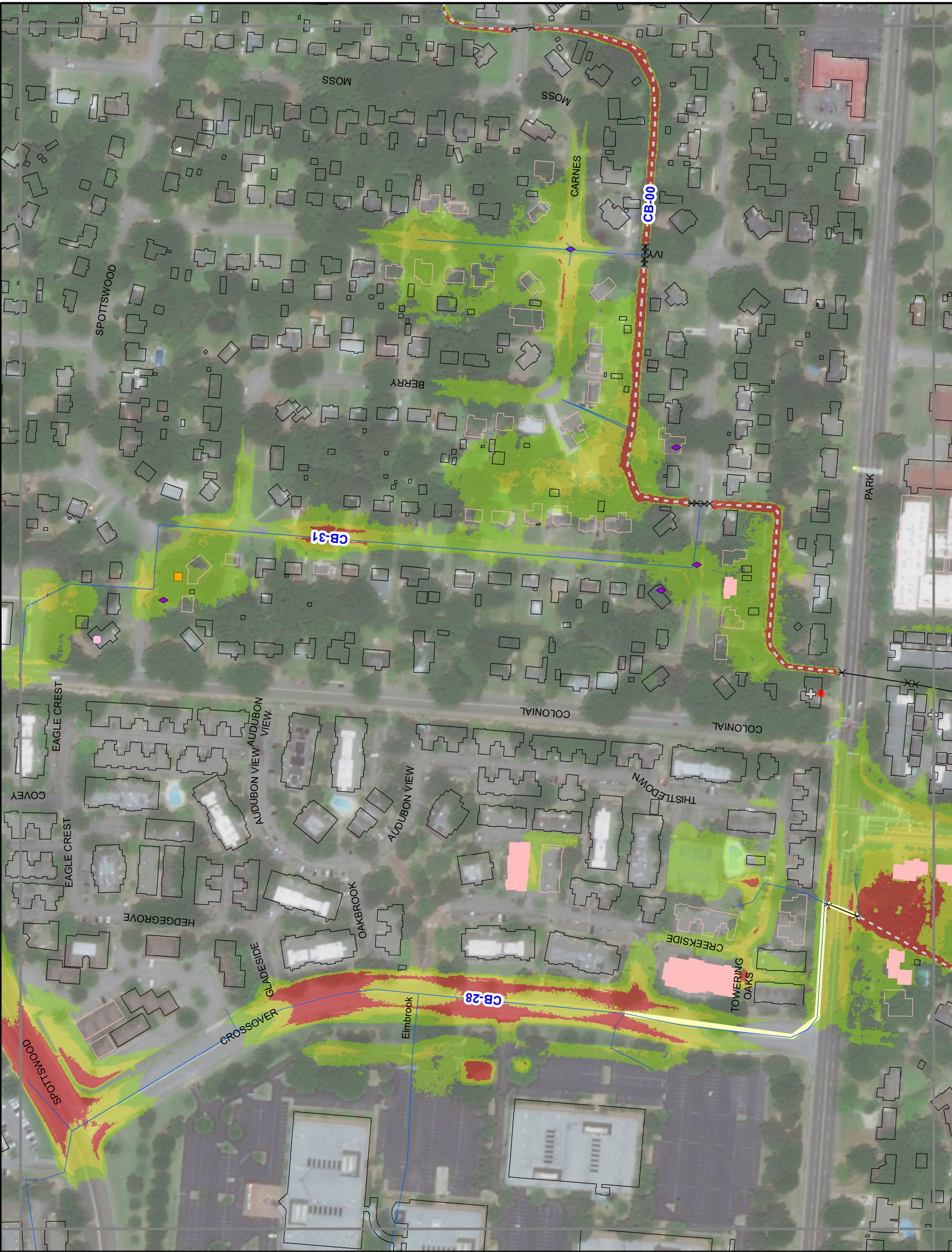
Feet

City of Memphis
Cherry Bayou Drainage Study

EXISTING 100-YEAR DESIGN STORM

Appendix E

28



Storm Sewer

Open Channel

Bridge/Culvert

Concrete Channel

Natural Channel

Capacity Issue

Flooding Complaints

FLOOD CONTROL

FLOODING

FLOODING-DRIVEWAY

FLOODING-LAND

FLOODING-STREET

O+M-CLEANED

Existing 100-Year Floodplain

0 - 1 ft

1 - 2 ft

> 2 ft

Structure Flooding

No Flooding

< 1 ft Depth

> 1 ft Depth

Watershed

Cherry Bayou

Goodwin

Legend

0 140 Feet

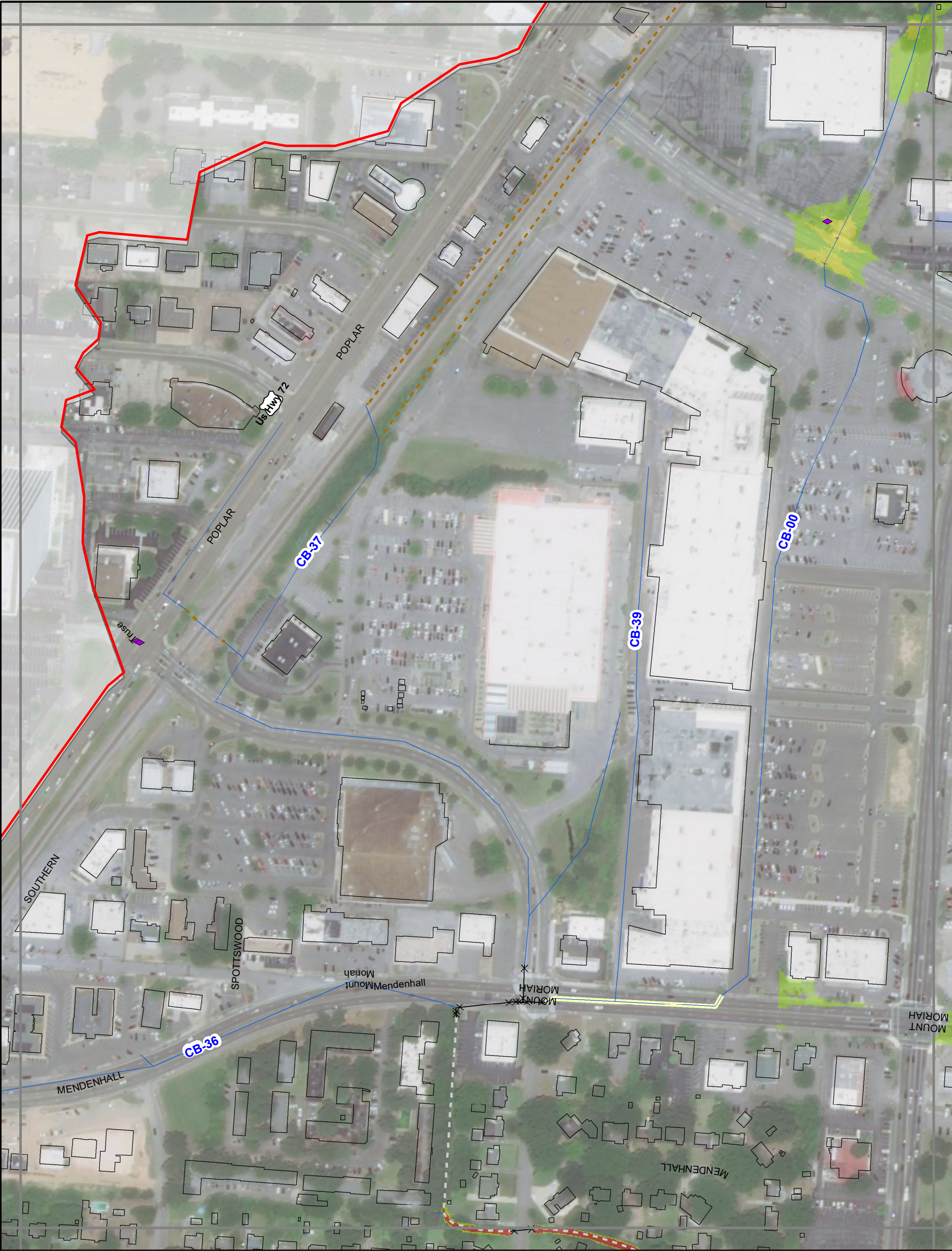
North Arrow

City of Memphis
Cherry Bayou Drainage Study

EXISTING 100-YEAR DESIGN STORM

Appendix E

29



Storm Sewer

Open Channel

Bridge/Culvert

Concrete Channel

Natural Channel

Capacity Issue

FLOODING COMPLAINTS

FLOOD CONTROL

FLOODING

FLOODING-DRIVEWAY

FLOODING-LAND

FLOODING-STREET

O+M-CLEANED

EXISTING 100-YEAR FLOODPLAIN

0 - 1 ft

1 - 2 ft

> 2 ft

STRUCTURE FLOODING

No Flooding

< 1 ft Depth

> 1 ft Depth

Watershed

Cherry Bayou

Goodwin

0 140

Feet

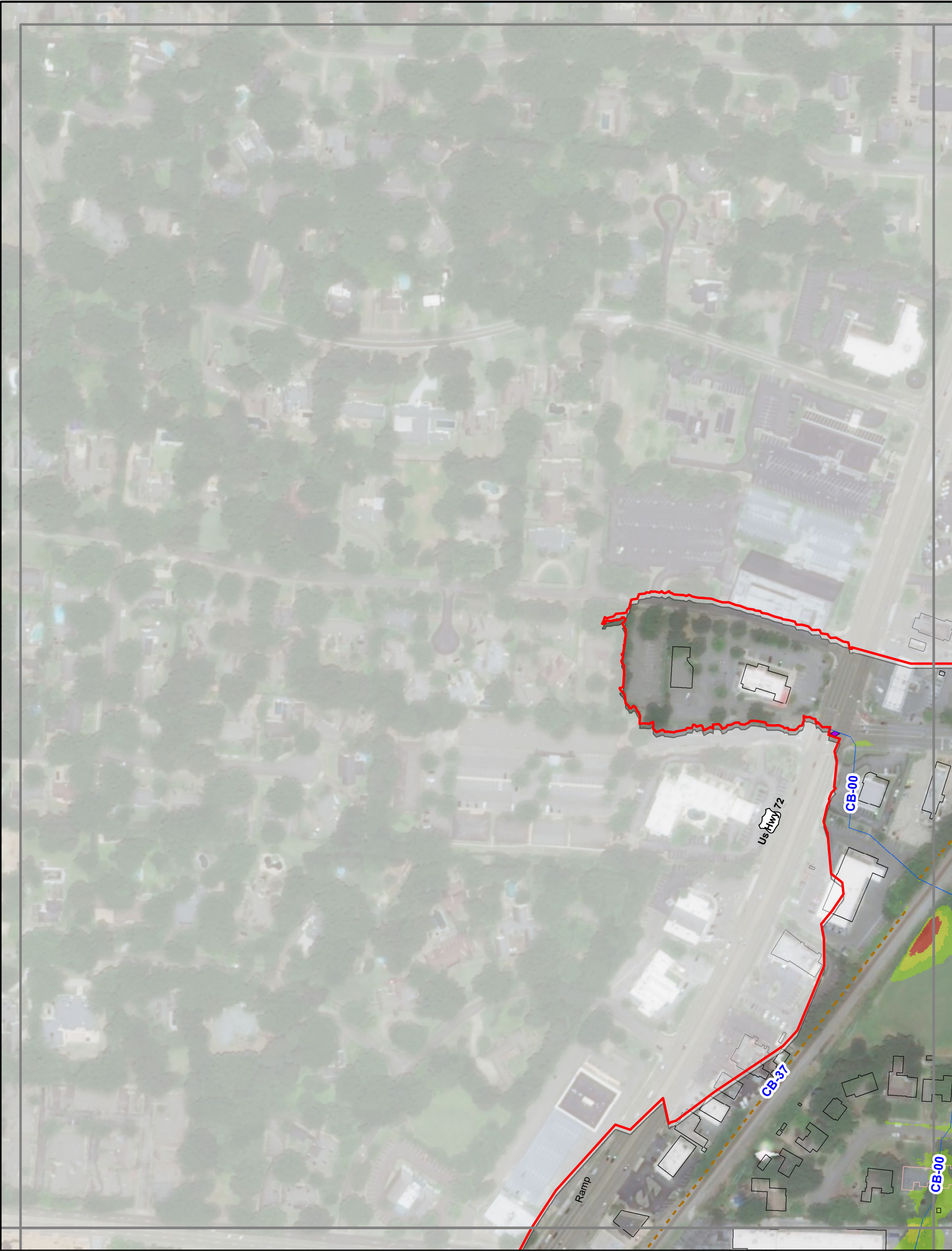
City of Memphis

Cherry Bayou Drainage Study

EXISTING 100-YEAR DESIGN STORM

Appendix E

30



— Storm Sewer

Open Channel

×—× Bridge/Culvert

--- Concrete Channel

- - - Natural Channel

Capacity Issue

Flooding Complaints

* FLOOD CONTROL

▲ FLOODING

■ FLOODING-DRIVEWAY

● FLOODING-LAND

◆ FLOODING-STREET

⊕ O+M-CLEANED

Existing 100-Year Floodplain

0 - 1 ft

1 - 2 ft

> 2 ft

Structure Flooding

No Flooding

< 1 ft Depth

> 1 ft Depth

Watershed

Cherry Bayou

Goodwin

0140

Feet

City of Memphis
Cherry Bayou Drainage Study

EXISTING 100-YEAR DESIGN STORM

Appendix E

31



Storm Sewer

Open Channel

Bridge/Culvert

Concrete Channel

Natural Channel

Capacity Issue

FLOODING COMPLAINTS

FLOOD CONTROL

FLOODING

FLOODING-DRIVEWAY

FLOODING-LAND

FLOODING-STREET

O+M-CLEANED

EXISTING 100-YEAR FLOODPLAIN

0 - 1 ft

1 - 2 ft

> 2 ft

STRUCTURE FLOODING

No Flooding

< 1 ft Depth

> 1 ft Depth

WATERSHED

Cherry Bayou

Goodwin

0

140

Feet

City of Memphis

Cherry Bayou Drainage Study

EXISTING 100-YEAR DESIGN STORM

Appendix E

33