

# Welcome!

## Douglas Street and Olive/Orchard Improvement Projects Preliminary Design

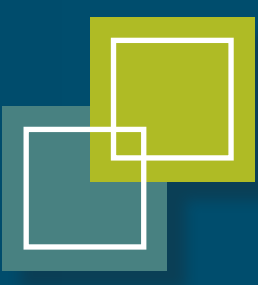
### OPEN HOUSE

The Preliminary Design Meeting is an “open house” allowing you to move at your own pace between stations and ask questions of city staff and their consultants. These materials are also available online at [www.lsmo-douglas.com](http://www.lsmo-douglas.com).

Comments can be provided in person or at the website above through February 5, 2024.

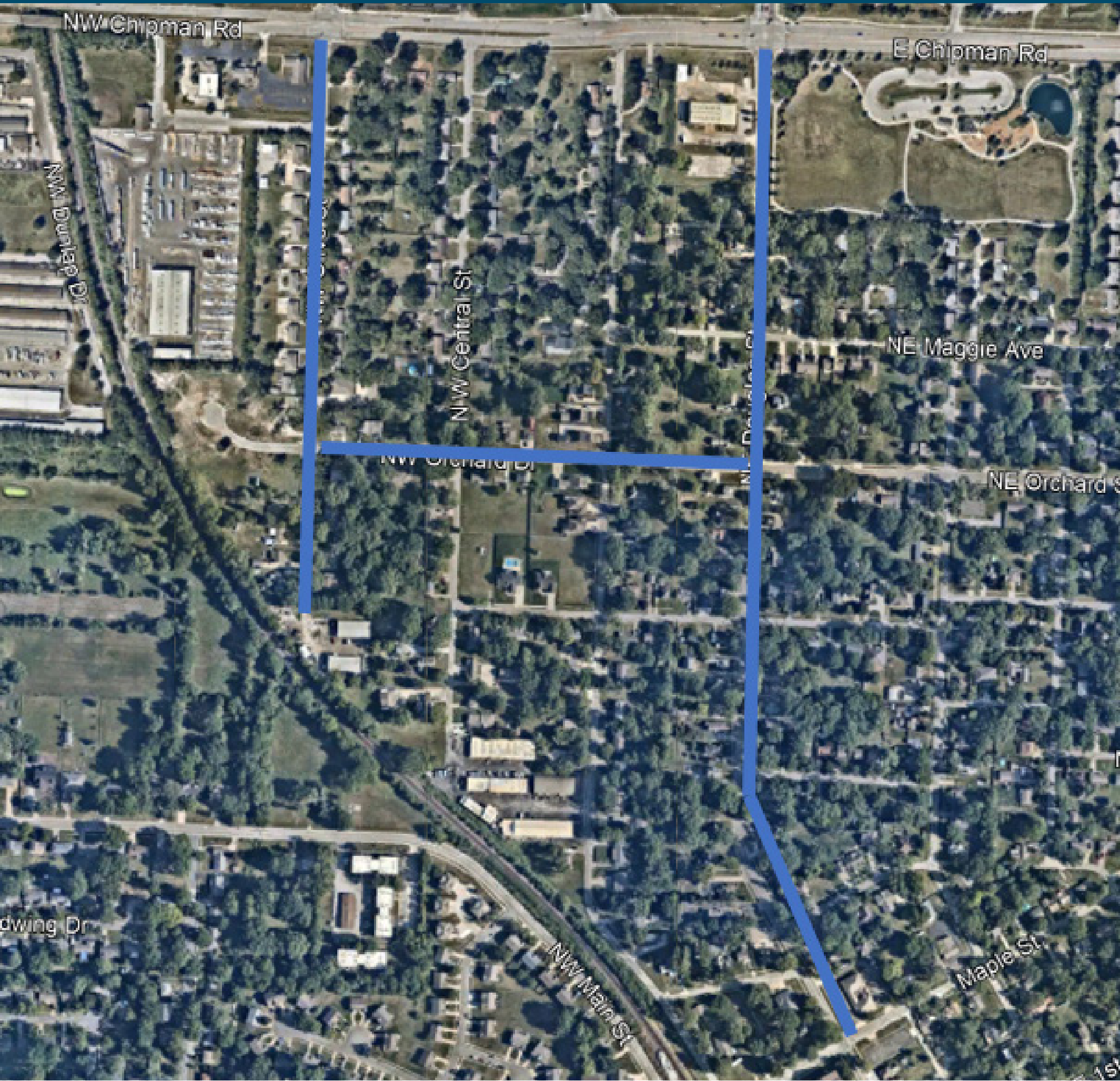






**PROJECT INFORMATION**

**Douglas Street (Chipman Road to Second Street)  
Complete Streets Project and Olive / Orchard Street  
and Drainage Improvement Project**



**ABOUT THESE PROJECTS:**

The Douglas Street project will rebuild the roadway from Chipman Road to 2nd Street with improved sidewalks, storm sewers, street lighting, and a multi-use trail connecting downtown Lee's Summit to Lea McKeighan Park near Chipman Road.

The Olive / Orchard Street and Drainage Improvement Project will mitigate flooding that occurs in the area, rebuild Olive Street, from Chipman Road south, and rebuild Orchard Street, from Olive Street to Douglas Street. Both Olive Street and Orchard Street will include new storm sewers and a sidewalk on one side of the road.

**WHAT WE HAVE HEARD SO FAR FROM THE PUBLIC:**

**For Douglas Street:**

- ✔ Support for safety improvements at Orchard/Douglas intersection
- ✔ A desire for left-turn lanes and turn arrows at 2nd /Douglas intersection
- ✔ On-street parking was supported from 1st Street to Maple
- ✔ No opposition to the shared-use path, although some regretted the impact to trees

**For Olive / Orchard Street and Drainage Improvement Project:**

- ✔ Residents identified locations of flooding during peak storm events, including frequency and whether buildings were impacted
- ✔ Strong desire to reduce flooding in the neighborhood was supported by many property owners and/or residents.

**PROJECT SCHEDULE**

Begin Design Project  
NOVEMBER 2022

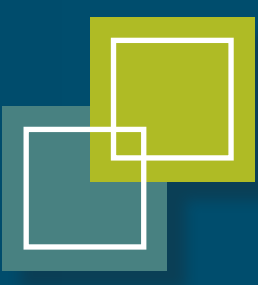
Olive/Orchard Resident /  
Property Owner Survey  
MARCH/APRIL 2023

Construction  
LATE 2024/EARLY 2025

Douglas Street Concept Meeting  
(online and in-person)  
APRIL 2023

Final Design Complete  
MAY/JUNE 2024



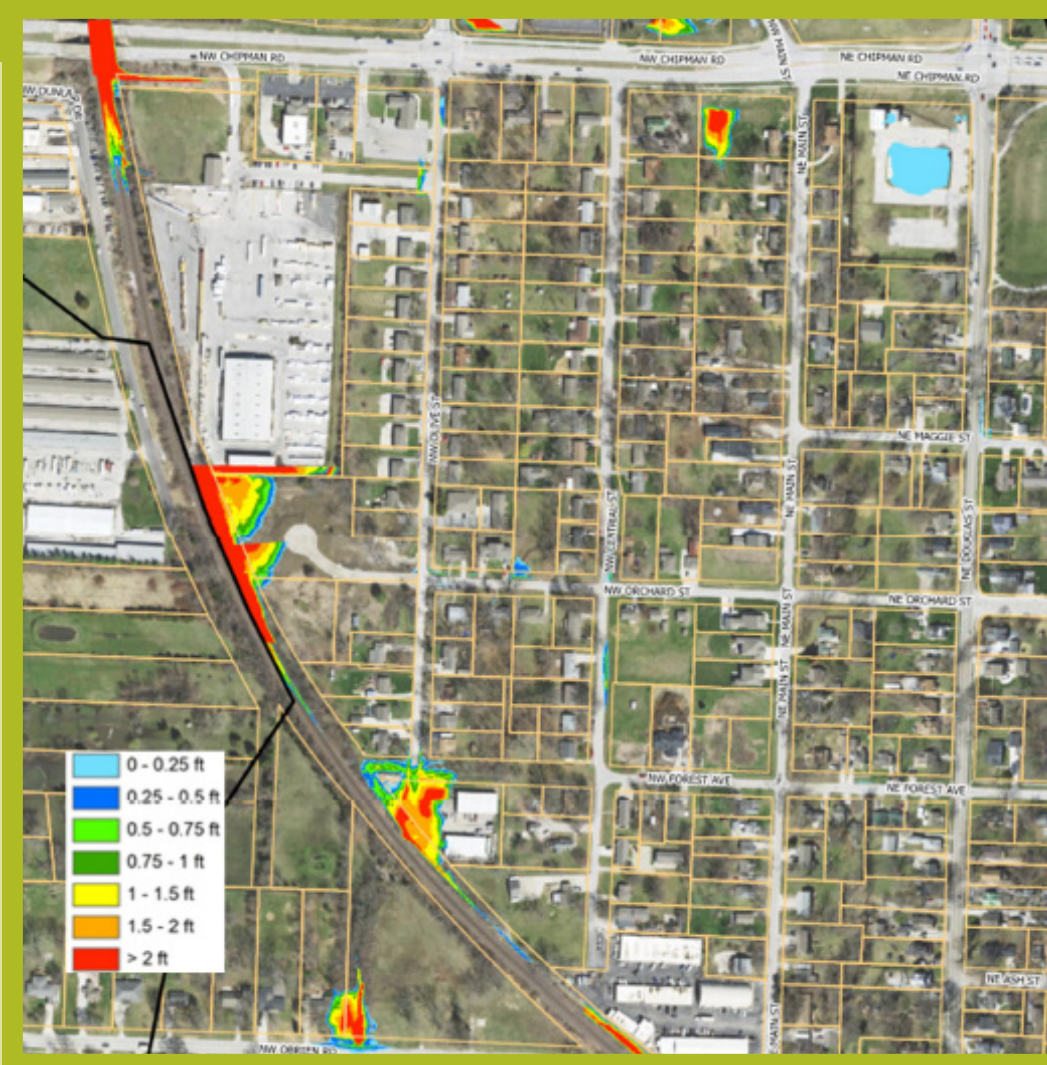


## STORMWATER/FLOODING MITIGATION

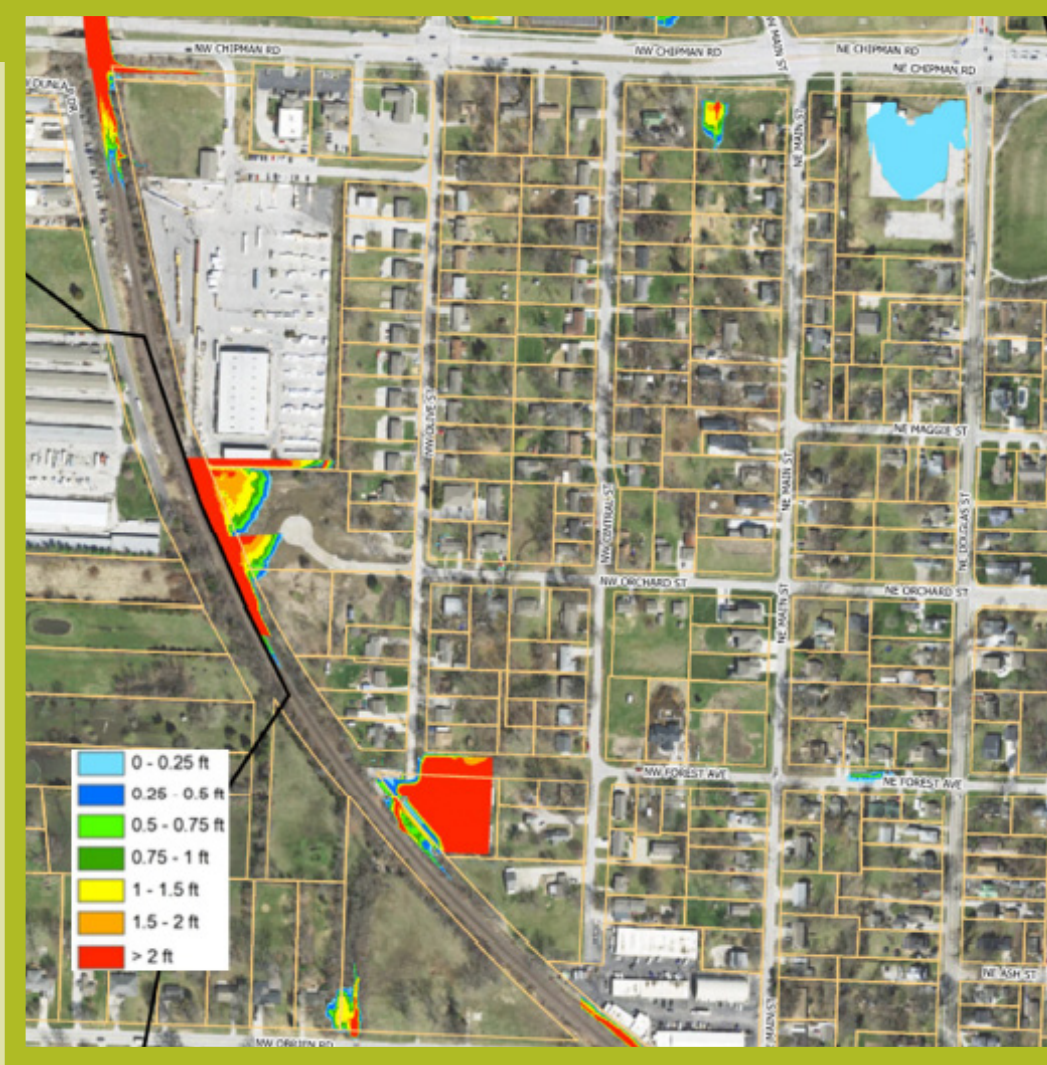
A detailed stormwater improvement study was conducted to identify mitigation strategies to reduce the impact of flooding along NW Olive Street and NW Orchard Street. Residents have reported significant road, yard, and structure flooding.

The relative flat topography of the area, combined with restrictions in passing storm water under the Union Pacific Railroad, significantly restricted the ability to mitigate this flooding through "typical" storm sewer improvements. The only engineering feasible solution identified was to construct a large detention basin at the south end of Olive Street.

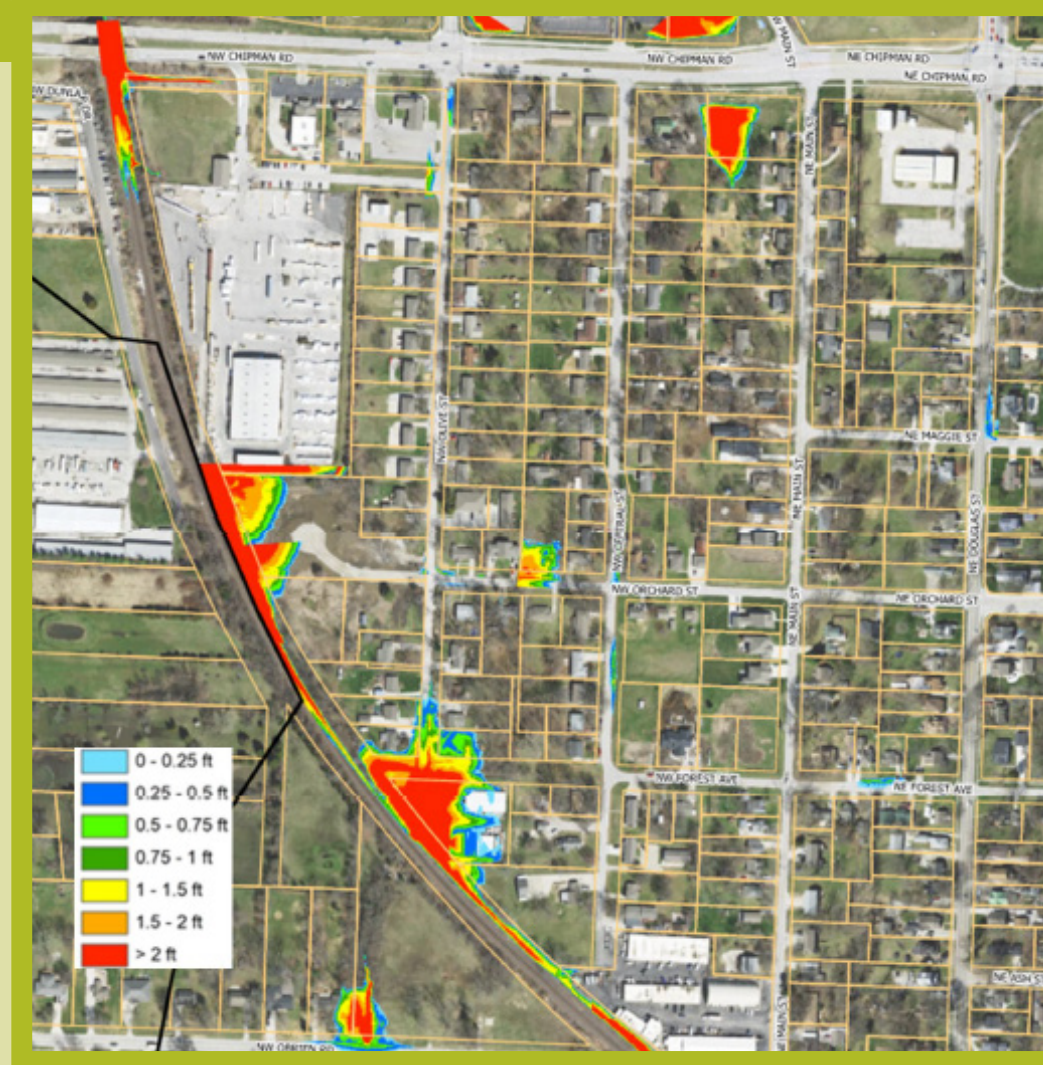
*The maps below show the modeled existing and proposed flooding during a 10-year and 100-year storm event.*



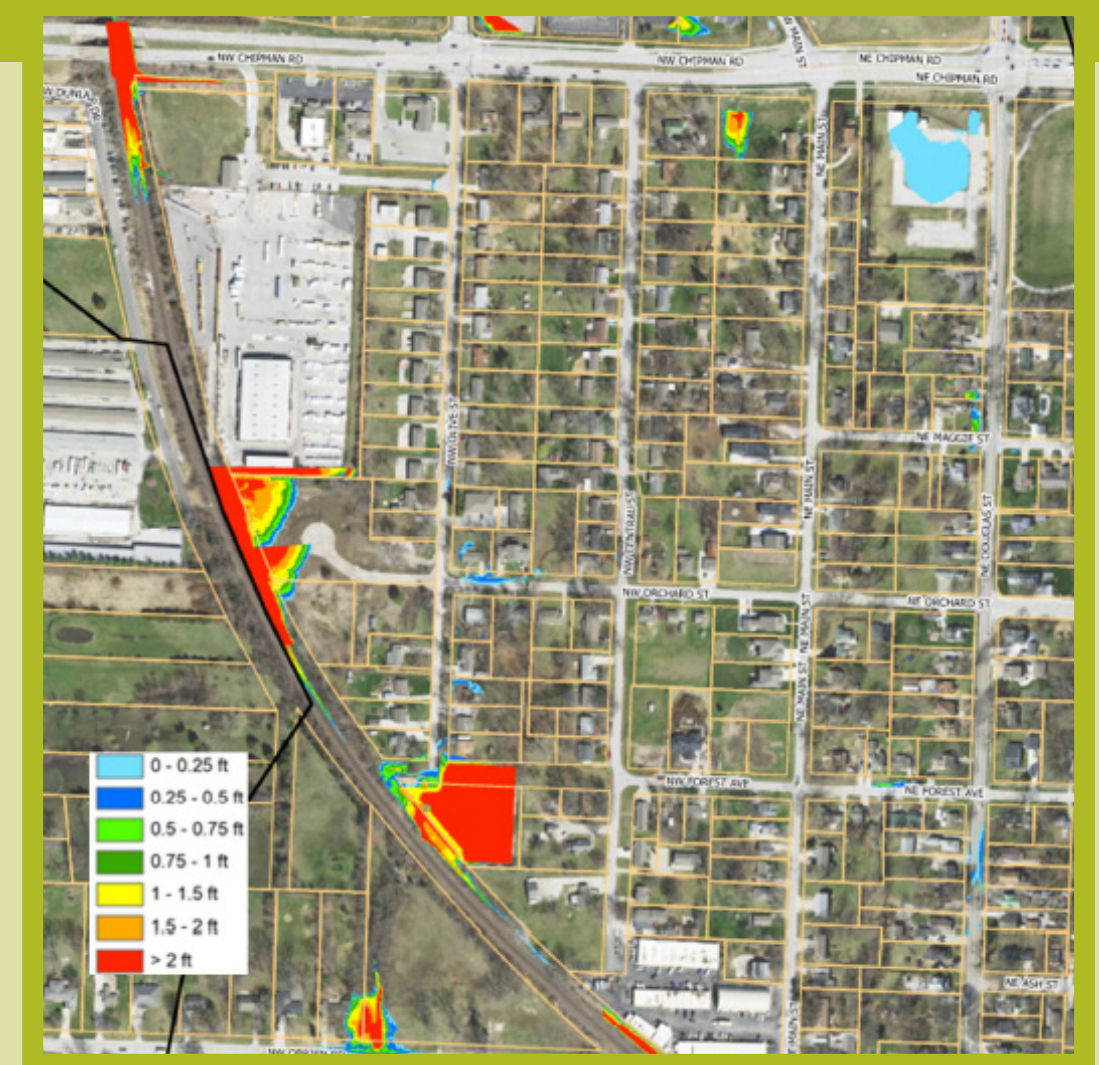
Existing 10-year Flood Depth



Proposed 10-year Flood Depth

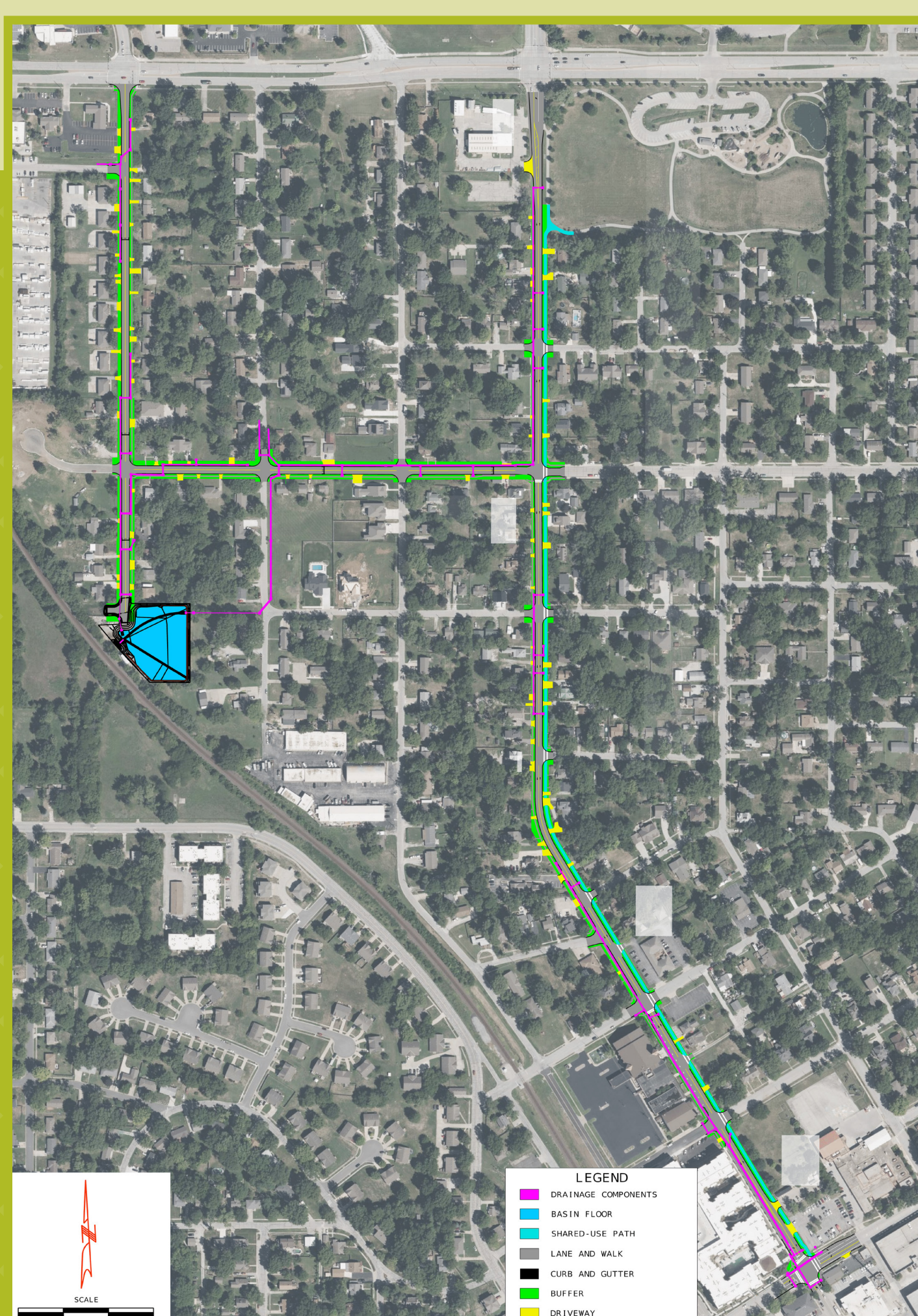


Existing 100-year Flood Depth

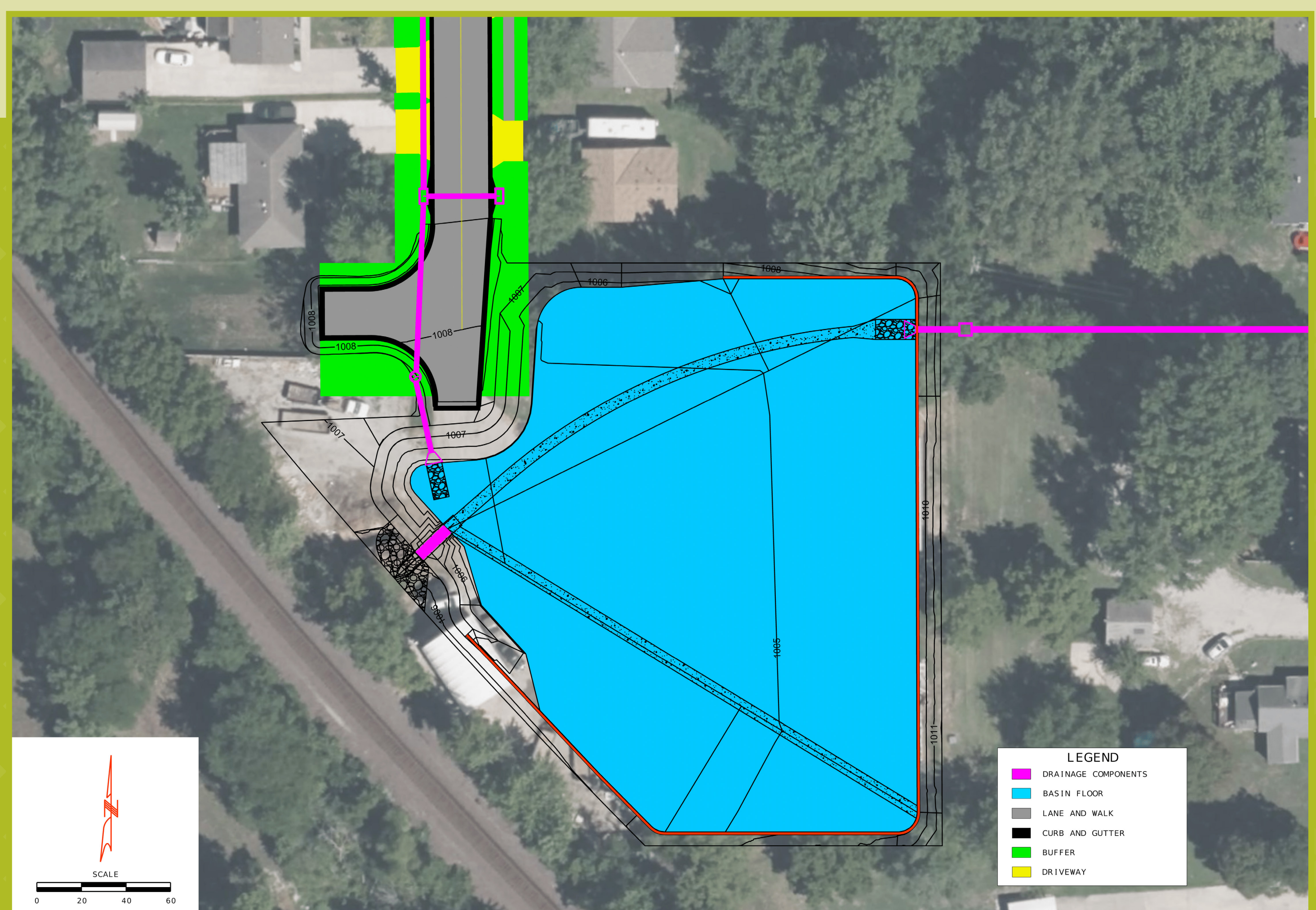


Proposed 100-year Flood Depth

### Stormwater Drainage System



### Detention Basin



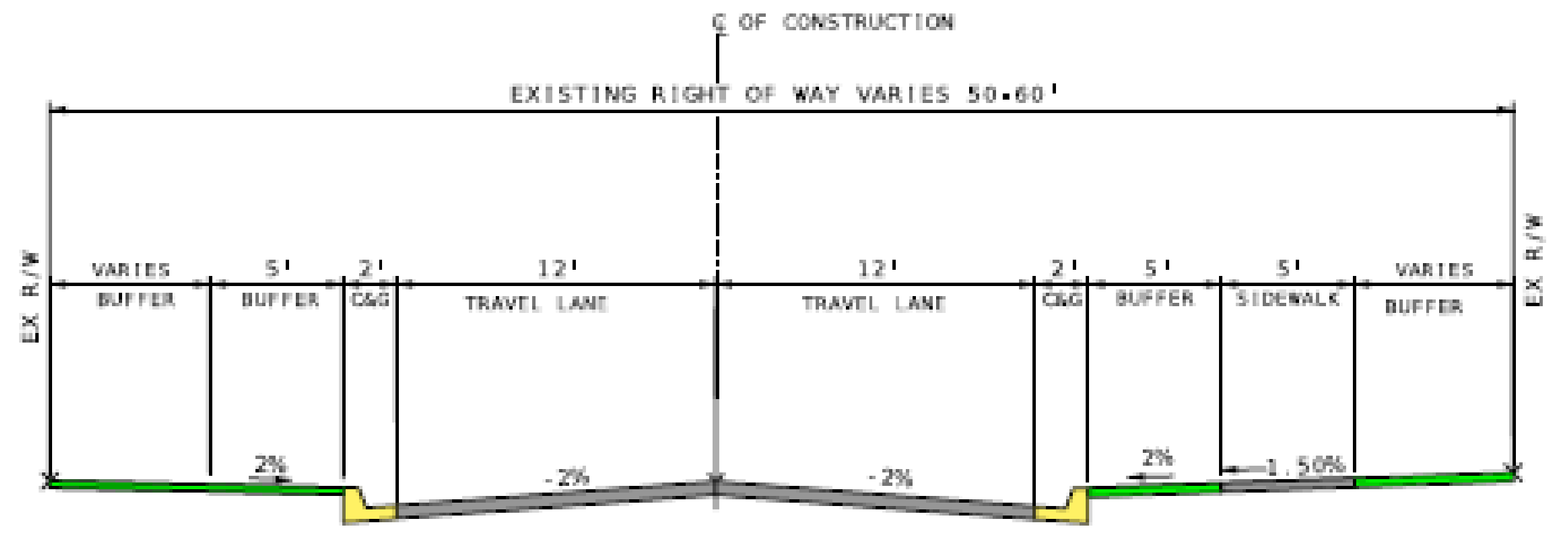




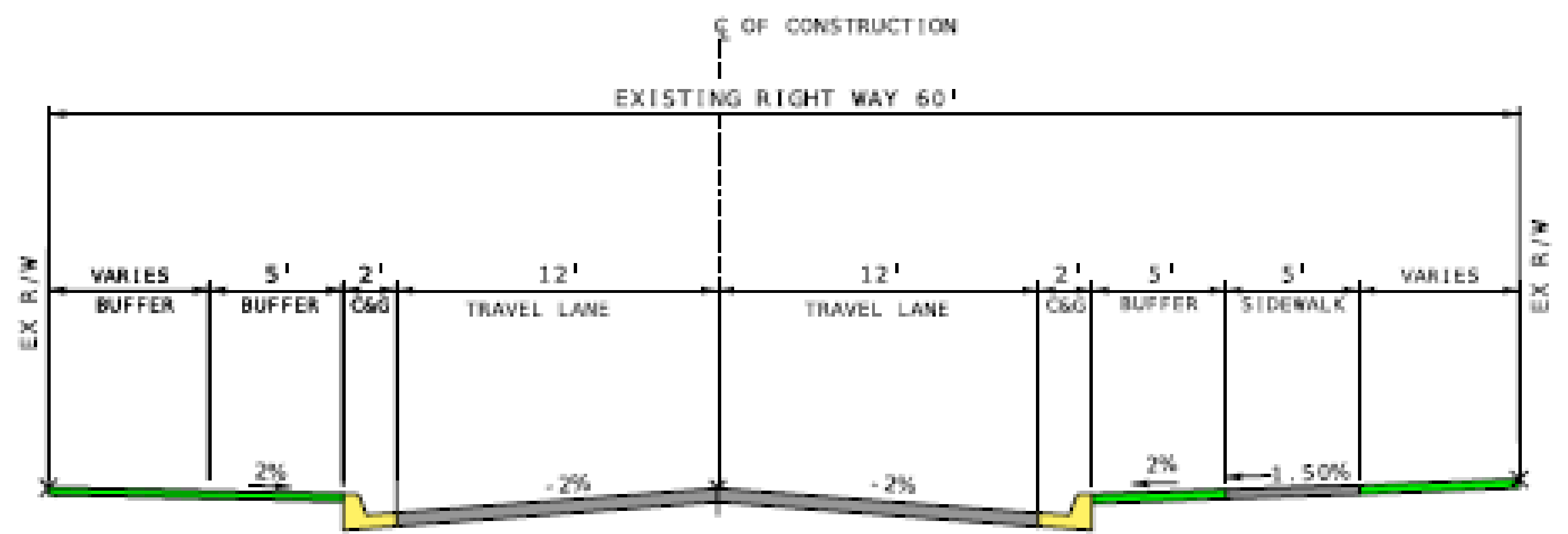
**TYPICAL CROSS-SECTIONS**

**LEGEND**

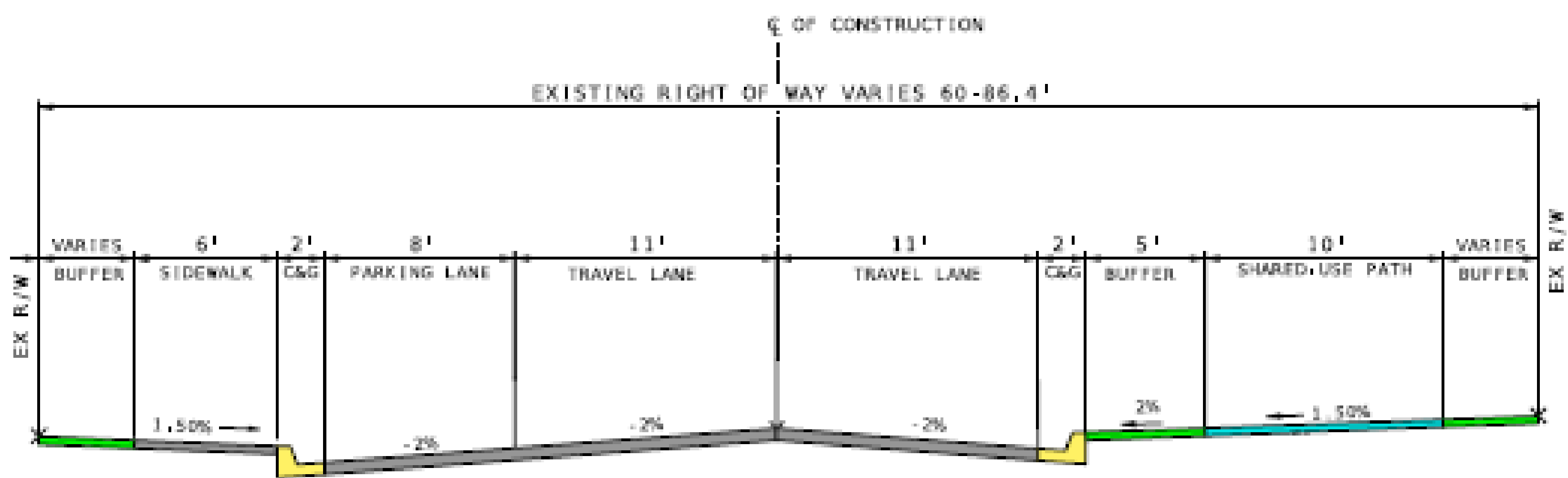
- SHARED-USE PATH
- TRAVEL LANE AND SIDEWALK
- CURB AND GUTTER
- BUFFER



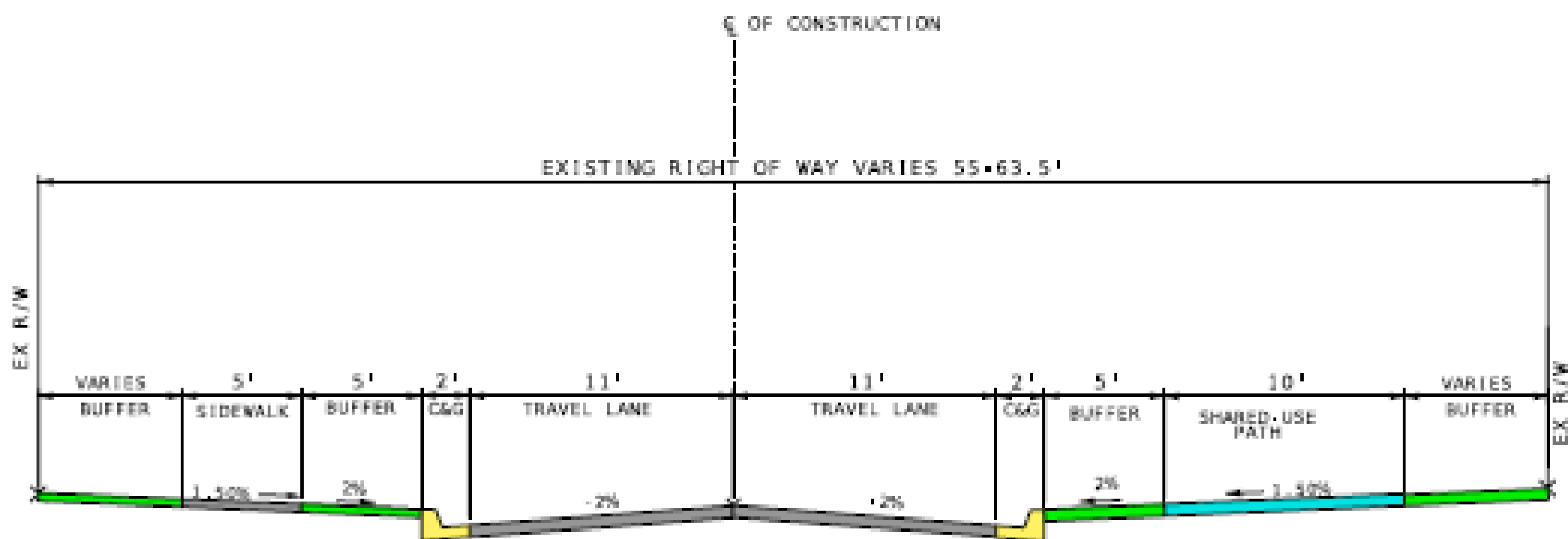
OLIVE STREET



ORCHARD STREET



DOUGLAS STREET- 2ND ST TO MAPLE ST



DOUGLAS STREET- MAPLE ST TO CHIPMAN RD