



Sherman Drive Park Drainage Improvements 100% Design Public Meeting

Presented by: Jay Gibson, PE

Date: August 5, 2021

Project Team

Owner: City of Indianapolis

Department of Public Works (DPW)

DPW Project Manager: Gavin Merriman

Public Information Officer: Jenelle Bunton

– Email: Jenelle.Bunton@indy.gov

– Phone: (317) 327-2311

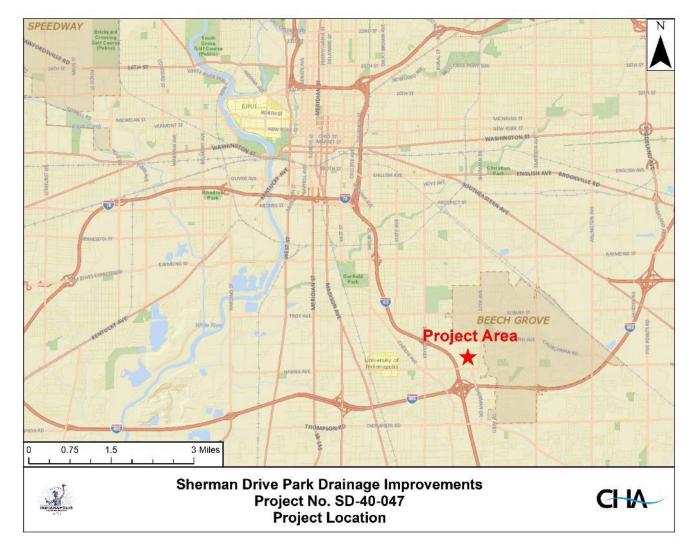
Design Engineering Firm: CHA Consulting, Inc.

Design Engineer: Jay Gibson, PE





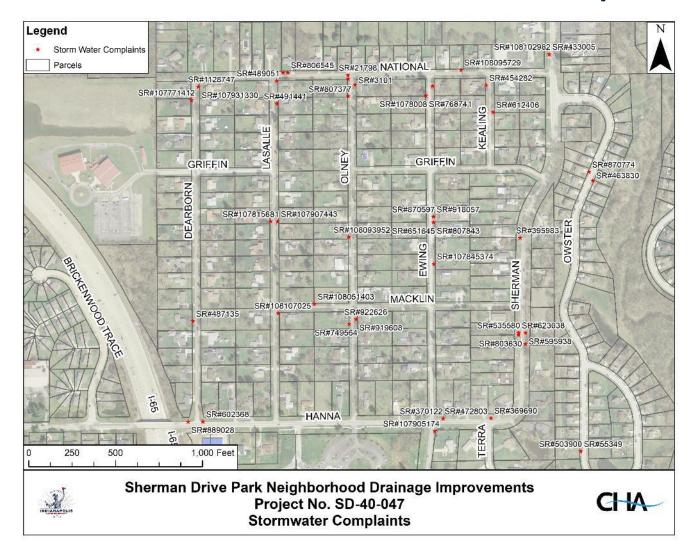
Project Location







Locations of Stormwater Complaints







Drainage Problems



- Existing Drainage Problems
 - Property flooding
 - Standing water
 - Clogged/failing culverts*
 - Culverts lacking proper slope/capacity
 - Ditches need regrading



*Culverts are private infrastructure, but the City will replace them as a component of larger area-wide capital projects





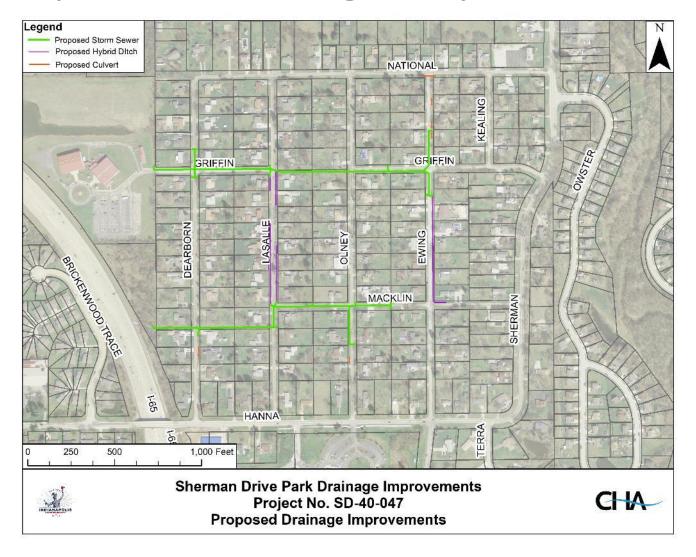
Proposed Improvements

- Entire Project Estimated \$2.1M –
 Local project funded by Indianapolis
 Stormwater Service Fees
- Drainage Improvements Estimated \$1.7M
 - Storm Sewer
 - Hybrid Ditches
 - Culverts
 - Ditch Grading
- Pavement Restoration Estimated \$400K
 - Full Width
 - Full Depth Reconstruction
 - Mill and Overlay
 - Scarify and Overlay





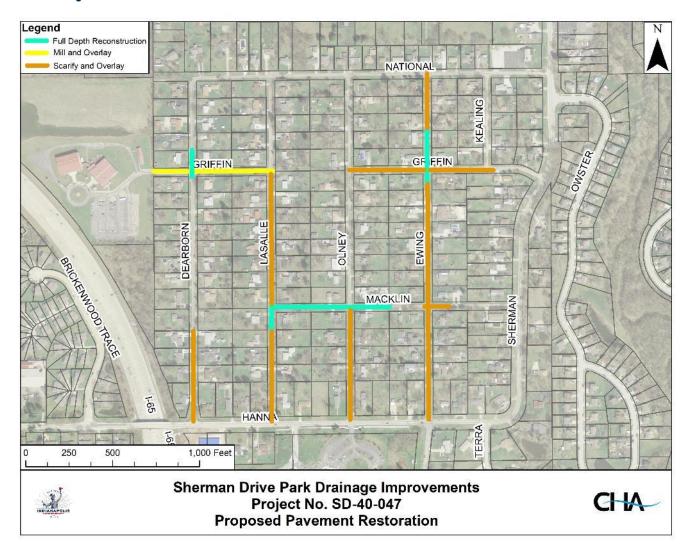
Proposed Drainage Improvements







Proposed Pavement Restoration







Storm Sewer

Storm Sewer Structure



Storm Sewer Pipe

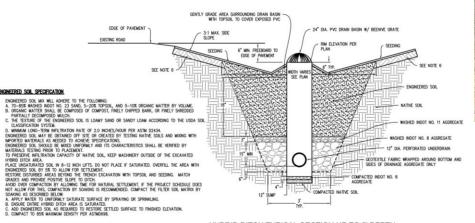






Hybrid Ditch

Hybrid Ditch Details



HYBRID DITCH TYPICAL SECTION UP TO 5' DEPTH

Hybrid Ditch After Rain Event and under normal conditions







ENGINEERED SOIL SPECIFICATION



Culverts/Ditches

Culverts in Wet Weather – existing condition, prior to improvements



Graded/Protected Ditch — ditch grades/side slopes limited by available Right-Of-Way







Project Schedule*

Land acquisition and utility coordination to eliminate conflicts are ongoing and could delay this project schedule.

| Task | Date |
|-------------------------|---------------------|
| Design Complete | End of August, 2021 |
| Bid Opening Date | October 14, 2021 |
| Construction Start Date | January 3, 2022 |
| Final Completion Date | November 14, 2022 |





Questions?

DPW Contact Information

– Contact: Jenelle Bunton

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