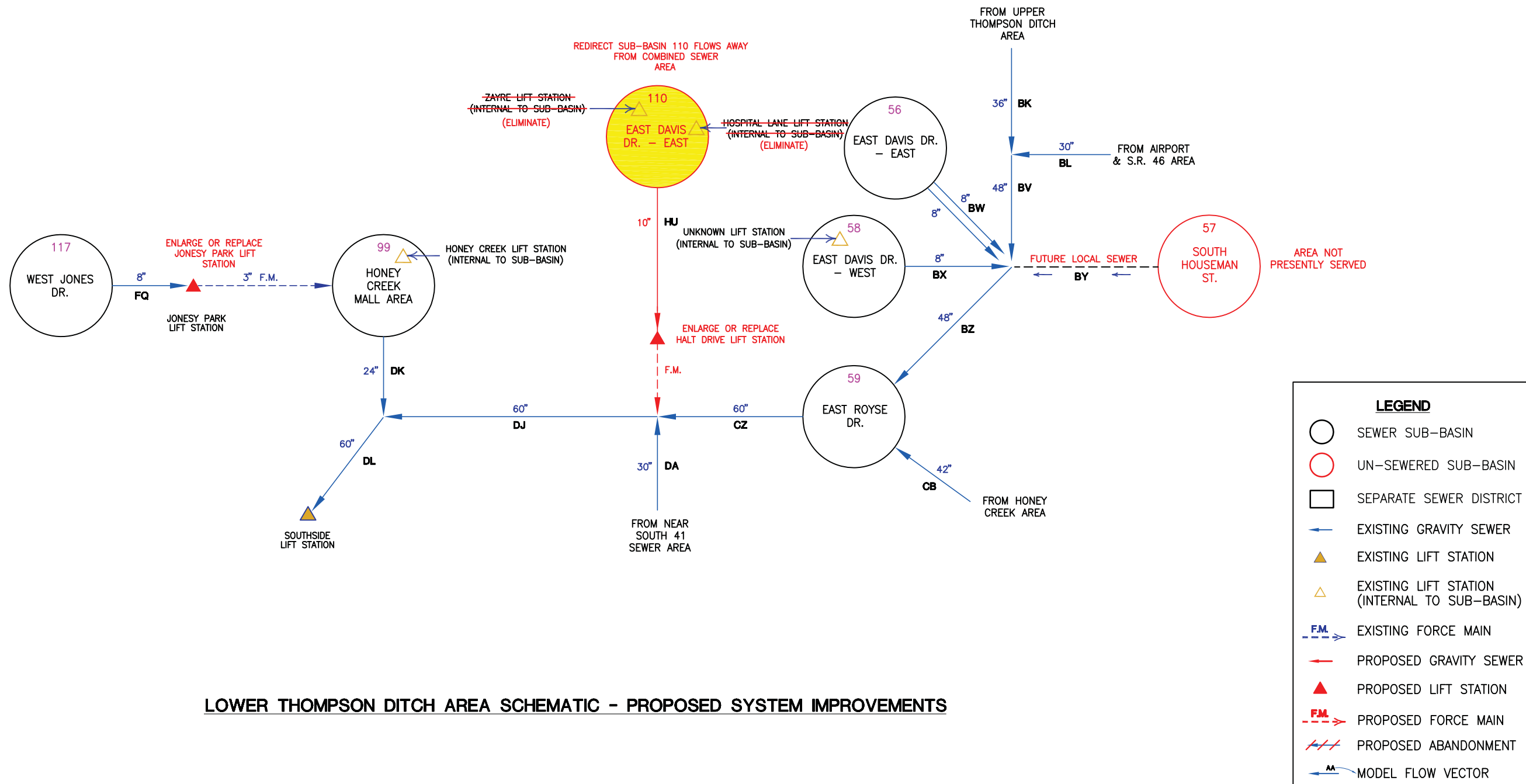
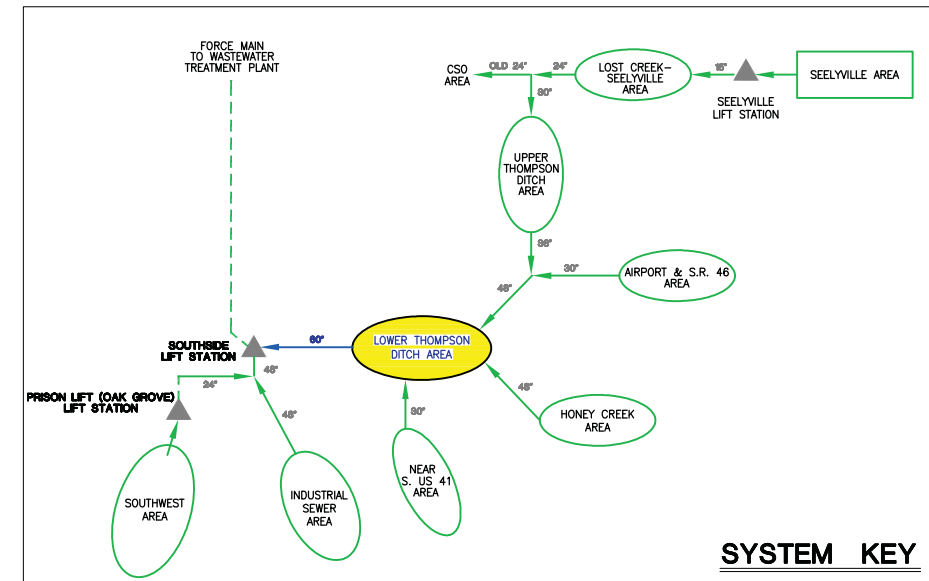


**Lower Thompson Ditch:
E. Davis Dr. E. (110)
No Additional Improvements Required**



LOWER THOMPSON DITCH AREA SCHEMATIC - PROPOSED SYSTEM IMPROVEMENTS

Report Schematics for presentation.dwg 1

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**CITY OF TERRE HAUTE, INDIANA
SANITARY SEWER MASTER PLAN**

**LOWER THOMPSON DITCH AREA SCHEMATIC
PROPOSED IMPROVEMENTS**



FIGURE

26

Elimination of Zayre and Hospital Lane Lift Stations

- Sub-basin 110 contains three lift stations, all of which discharge to the combined sewer system. This sub-basin is located south of Interstate 70 and immediately east of U.S. 41 between Davis Road and Thompson Ditch. The new 10" gravity sewer would be installed at a greater depth than the existing sewer, with the downstream invert elevation matching that of the existing sewer at the intersection of Hospital Lane and 4th Street. The new sewer would follow East Johnson Drive to the Zayre Lift Station.
- A second branch of the new sewer could also be installed from 4th Street east to the existing Hospital Lane Lift Station. The new 10" sewer would redirect all flow from the lift station sites and from Sub-basin 110 southward to the existing Halt Drive Lift Station. The Halt Drive Lift Station would be retrofitted or replaced as necessary to accommodate the additional flow.
- As part of the project, a new force main would also be constructed from the Halt Drive Lift Station south to the 60" Lower Thompson Ditch Interceptor. Along with the elimination of two lift stations, this project will allow for a moderate reduction in wastewater loading to the existing combined sewer system.

Elimination of Zayre and Hospital Lane Lift Stations

Description	Unit	Estimated Quantity	Unit Cost	Estimated Capital Cost
<i>Elimination of Zayre and Hospital Lane Lift Stations</i>				
Lift Station Elimination	EA.	2	\$10,000	\$20,000
8" Gravity Sewer	L.F.	350	\$70	\$24,500
10" Gravity Sewer	L.F.	2,600	\$90	\$234,000
Standard Manhole	EA.	11	\$4,000	\$44,000
Granular Backfill	L.F.	2,950	\$25	\$73,750
Paved Surface Restoration	L.F.	1,450	\$40	\$58,000
Grading and Seeding	L.F.	1,500	\$5	\$7,500
Force Main Abandonment	EA.	2	\$1,000	\$2,000
Eliminate Zayre Lift Station	EA.	1	\$10,000	\$10,000
Eliminate Hospital Lane Lift Station	EA.	1	\$10,000	\$10,000
Dewatering	L.S.	1	\$38,700	\$38,700
Erosion Control	L.S.	1	\$7,740	\$7,740
Estimated Construction Cost:				\$530,190
15% Construction Contingency:				\$79,529
Est. Non-Construction Costs @ 25%:				\$132,548
Estimated Total Project Cost:				\$742,266

Description	Unit	Estimated Quantity	Unit Cost	Estimated Capital Cost
<i>Enlargement of Halt Drive Lift Station</i>				
Lift Station Enlargement	EA.	1	\$180,000	\$180,000
6" Force	L.F.	850	\$35	\$29,750
Granular Backfill	L.F.	850	\$35	\$29,750
Paved Surface Restoration	L.F.	100	\$25	\$2,500
Grading and Seeding	L.F.	750	\$5	\$3,750
Estimated Construction Cost:				\$245,750
15% Construction Contingency:				\$36,863
Est. Non-Construction Costs @ 25%:				\$61,438
Estimated Total Project Cost:				\$344,050