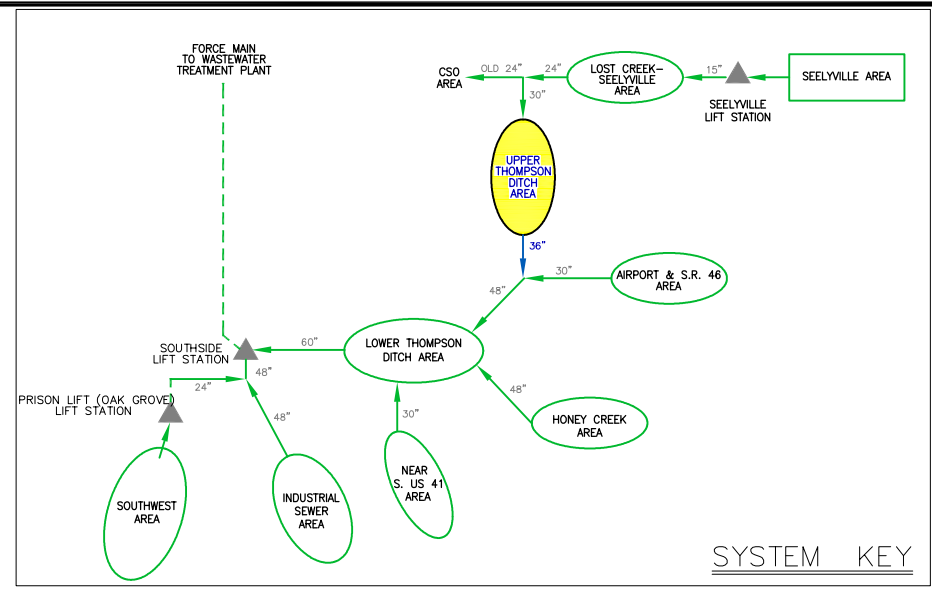


Upper Thompson Ditch: S.R. 49 East Side (29)

UPPER THOMPSON DITCH AREA SCHEMATIC – PROPOSED SYSTEM IMPROVEMENTS



LEGEND

- SEWER SUB-BASIN
- UN-SEWERED SUB-BASIN
- SEPARATE SEWER DISTRICT
- EXISTING GRAVITY SEWER
- ▲ EXISTING LIFT STATION
- △ EXISTING LIFT STATION (INTERNAL TO SUB-BASIN)
- - F.M. - - EXISTING FORCE MAIN
- PROPOSED GRAVITY SEWER
- ▲ PROPOSED LIFT STATION
- - F.M. - - PROPOSED FORCE MAIN
- /// PROPOSED ABANDONMENT
- AA — MODEL FLOW VECTOR

Report Schem. of Terre Haute Rev 9-11.dwg 1

CITY OF TERRE HAUTE, INDIANA
 SANITARY SEWER MASTER PLAN
 UPPER THOMPSON DITCH AREA SCHEMATIC
 PROPOSED IMPROVEMENTS



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Poplar Street Sewer Extension (Eastward)

- The existing Poplar Street Interceptor collects flow from Sub-Basins 26 through 32 and part of Sub-Basin 36. The Poplar Street Relief Sewer, completed in 2008, removed force main flows from the old Poplar Street Interceptor and redirected them to a new 15" relief sewer on Poplar Street near Deming Park. The new relief sewer directed all sanitary flow to the Thompson Ditch Interceptor and provided the necessary capacity for high density growth in the areas near S.R. 46 and the enlarged Poplar Street Lift Station.
- The downstream end of the proposed Poplar Street Sewer Extension would connect to the newly constructed 46th and Poplar Street Lift Station (also known as the Village Quarter Lift Station). Future flow projections indicate that the lift station is capable of accommodating the additional flows from future commercial developments in Sub-Basins 10 & 29.
- Depending upon the nature of future developments and their proposed locations within these sub-basins, an additional 12" to 15" interceptor sewer could be extended eastward to convey wastewater flow from new commercial areas east of State Road 46 along the north and south sides of State Road 42 near the airport.
- An eastward extension of the Poplar Street Sewer will also require an evaluation of the Poplar Street Lift Station and the downstream Poplar Street relief sewer, particularly if the new sewer is planned to be larger than 12" in diameter.

Poplar Street Sewer Extension (Eastward) (cont'd)

Description	Unit	Estimated Quantity	Unit Cost	Estimated Capital Cost
<i>Poplar Street Sewer Extension (Eastward)</i>				
12" Dia. Gravity Sewer	L.F.	8,300	\$100	\$830,000
Standard Manhole	EA.	27	\$4,000	\$108,000
Granular Backfill	L.F.	2,000	\$35	\$70,000
Paved Surface Restoration	L.F.	500	\$40	\$20,000
Bore & Jack State Road 46	L.F.	125	\$300	\$37,500
Grading and Seeding	L.F.	6,700	\$5	\$33,500
Dewatering	L.S.	1	\$76,120	\$76,120
Erosion Control	L.S.	1	\$15,224	<u>\$15,224</u>
Estimated Construction Cost:				\$1,190,344
15% Construction Contingency:				\$172,920
Land Acquisition	Acre	2.4	\$4,000	\$9,600
Est. Non-Construction Costs @ 25%:				<u>\$288,230</u>
Estimated Total Project Cost:				\$1,843,614