



Upper Thompson Ditch: Southside of Hulman St. Reservoir (41)

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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Sanitary Sewer Service to Sub-basin 41 South of the Hulman Street Reservoir

- Sub-basin 41 is an un-sewered area which lies south and southeast of the Hulman Street Reservoir and which is zoned for suburban residential use. Based upon existing elevations in this region, it appears the area can be served by conventional gravity sewer flowing westerly to Sub-basin 40 (Blumberg Estates), and then on to the proposed Thompson Creek Interceptor. If development activity begins to approach the lower elevation areas lying nearer to the Hulman Street Reservoir, however, a lift station may be required.
- The Blumberg Lift Station would be eliminated with the construction of the Thompson Creek Interceptor. An 8” diameter sewer is also recommended to serve the anticipated future development within Sub-basin 4.
- The need for a lift station to serve Sub-basin 41 will be based upon a review of the Blumberg Estates sanitary system. If the existing sewers are accessible and of adequate depth, a lift station may not be necessary. With the elimination of the Blumberg Lift Station, an 8” diameter sewer will also be required to provide gravity flow from the site of the abandoned station to the proposed Thompson Creek Interceptor

Description	Unit	Estimated Quantity	Unit Cost	Estimated Capital Cost
<i>Sanitary Sewer Service to Area South of Hulman St. Reservoir (Sub-basin 41)</i>				
8" Dia. Gravity Sewer	L.F.	5,000	\$70	\$350,000
Standard Manhole	EA.	20	\$4,000	\$80,000
Granular Backfill	L.F.	200	\$35	\$7,000
Paved Surface Restoration	L.F.	200	\$40	\$8,000
Grading and Seeding	L.F.	4,800	\$5	\$24,000
Dewatering	L.S.	1	\$46,900	\$46,900
Erosion Control	L.S.	1	\$9,380	\$9,380
Estimated Construction Cost:				\$525,280
15% Construction Contingency:				\$78,792
Land Acquisition		2.2	\$4,000	\$9,200
Est. Non-Construction Costs @ 25%:				\$131,320
Estimated Total Project Cost:				\$744,592