



INDUSTRIAL SEWER AREA SCHEMATIC – PROPOSED SYSTEM IMPROVEMENTS

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

CITY OF TERRE HAUTE, INDIANA
 SANITARY SEWER MASTER PLAN
 INDUSTRIAL SEWER AREA SCHEMATIC
 PROPOSED IMPROVEMENTS



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FIGURE

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Elimination of Colonial South Lift Station

- The Colonial South Lift Station currently pumps all wastewater flow generated within Sub-basin 81 northward to Sub-basin 79. This flow is then routed through the existing Deerfield Interceptor to the existing Industrial Interceptor Sewer (South). To reduce wastewater loading on the Deerfield Interceptor, GIS data indicates that the Colonial South Lift Station could be eliminated by the installation of an 8” gravity sanitary sewer directed northwesterly along an existing drainageway to the existing sanitary sewer on Seven Gables Street within Sub-basin 80 (Sycamore Hills area). Flow would then be conveyed by gravity to the existing Industrial Interceptor Sewer (South).
- It should be noted that if the flow is not redirected, the Colonial South Lift Station will need to be enlarged in the future to accommodate anticipated wastewater flows as Sub-basin 81 reaches built-out conditions.

Description	Unit	Estimated Quantity	Unit Cost	Estimated Capital Cost
<i>Colonial South Lift Station Elimination</i>				
8" Dia. Gravity Sewer	L.F.	800	\$70	\$56,000
Standard Manhole	EA.	3	\$4,000	\$12,000
Granular Backfill	L.F.	500	\$35	\$17,500
Paved Surface Restoration	L.F.	500	\$40	\$20,000
Grading and Seeding	L.F.	300	\$5	\$1,500
Eliminate Colonial South Lift Station	L.S.	1	\$10,000	\$10,000
Dewatering	L.S.	1	\$3,960	\$3,960
Erosion Control	L.S.	1	\$792	\$792
Estimated Construction Cost:				\$121,752
15% Construction Contingency:				\$18,263
Est. Non-Construction Costs @ 25%:				\$30,438
Estimated Total Project Cost:				\$170,453