



INDUSTRIAL SEWER 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

**Industrial:
E. Industrial Park (108)**

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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Enlargement of Indy East Lift Station

- This lift station currently serves Sub-basin 107 near the southeastern section of the Vigo County Industrial Park. The existing 6” and 8” PVC force main from this lift station discharges into the 30” Industrial Interceptor Sewer (South) near the intersection of Pfizer Drive and Carlisle Street. It is recommended that future wastewater flow generated within Linton Township west of U.S. 41 (Sub-basin 204) be directed northward to Sub-basin 107 via a proposed lift station. To accommodate the increased flow, the Industrial Park’s Indy East Lift Station will eventually need to be enlarged.
- In the short term, modifications to the existing force main can be made to provide an increase in lift station capacity. The discharge point should be changed by connecting the force main to the Industrial Interceptor Sewer (South) near the intersection of Carlisle Street and Harlan Drive. Reducing the length will significantly reduce headloss and allow for a useful increase in pump discharge capacity.
- It should be noted that future development in this area will require a hydraulic evaluation to determine if the existing pumps will require modification or replacement to accommodate the increased wastewater flow.

Description	Unit	Estimated Quantity	Unit Cost	Estimated Capital Cost
<i>Enlargement of Indy East Lift Station</i>				
Lift Station Enlargement	L.S.	1	\$350,000	\$350,000
Surface Restoration	L.S.	1	\$4,000	\$4,000
Estimated Construction Cost:				\$354,000
15% Construction Contingency:				\$53,100
Est. Non-Construction Costs @ 25%:				\$88,500
Estimated Total Project Cost:				\$495,600