



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

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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## **Richland Manor (Vigo Dr.) Lift Station Elimination**

- This lift station currently pumps wastewater flow generated within Sub-basin 106 (Richland Manor) to an existing 15" sanitary sewer in Sub-basin 98. In 2009, a 12" diameter gravity sanitary sewer was constructed east of Richland Manor along the common property line between Richland Manor and the Vigo County Elementary School. The 12" sewer flows southward to E. Honey Hills Drive, then follows Honey Hills Drive southwesterly before again turning south and discharging to the 24" Deerfield Interceptor in the wooded area west of Brookside Drive.
- The manhole which discharges to the Richland Manor Lift Station is provided with a weir which diverts normal, dry weather wastewater flows to the lift station rather than to the existing 12" sewer. It appears that the weir serves to prevent backups in the lift station by allowing only high volume wet weather flows to be directed to the Deerfield Interceptor. The hydraulic model indicates that significant capacity remains in the 24" downstream section of the Deerfield Interceptor.
- In our opinion, the diversion weir can be removed to allow all flows within Richland Manor to be directed to the Deerfield Interceptor. This would allow for the elimination of the Richland Manor Lift Station.
- The 12" sewer east of Richland Manor may also allow for sanitary sewer service to existing and future development within Sub-basin 75 (E. Honey Hills Drive). Sanitary sewer flows from those areas may be able to be directed westward along Honey Hills Drive to the new 12" sewer. A survey will be necessary to confirm that adequate depth is available in the new line. A sewer flowing in a westerly direction along Honey Hills Drive will be very shallow on the downstream end near the existing drainage swale.