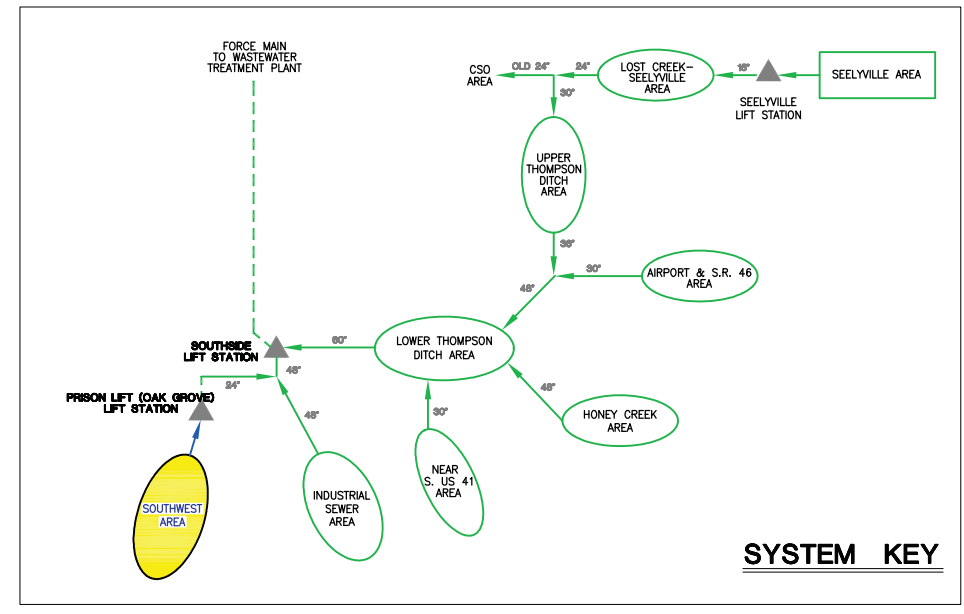
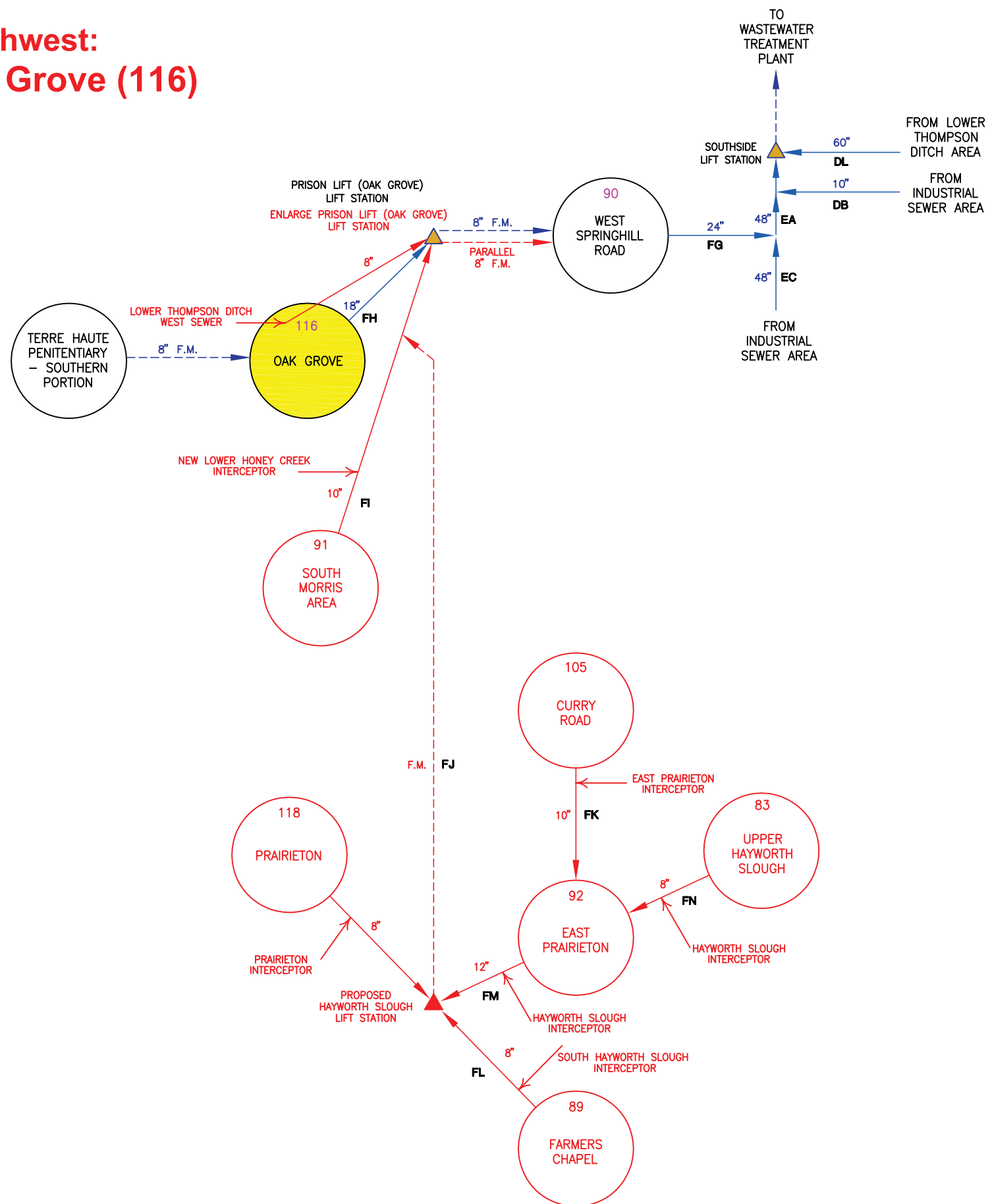


Southwest: Oak Grove (116)



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
- MODEL FLOW VECTOR

SOUTHWEST AREA SCHEMATIC - PROPOSED SYSTEM IMPROVEMENTS

Report Schematics for presentation.dwg 1

© 2009 COMMONWEALTH ENGINEERS, INC.

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



FIGURE

28

Enlargement of Prison (Oak Grove) Lift Station

- Significant development within the southwest portion of the City’s sanitary sewer service area will ultimately require an enlargement of the Prison Lift Station, also known as the Oak Grove Lift Station. The force main serving this station will also eventually need to be enlarged to a 8” parallel force main to adequately convey flow to the Industrial Interceptor Sewer (North).
- It should be noted herein that the design of all wastewater collection and conveyance facilities serving the southwest sewer area will need to be closely coordinated with planning and development activities.

Description	Unit	Estimated Quantity	Unit Cost	Estimated Capital Cost
<i>Enlargement of Prison Lift (Oak Grove) Lift Station</i>				
Lift Station Enlargement	L.S.	1	\$250,000	\$250,000
8” Parallel Force Main	L.F.	6,600	\$40	\$264,000
Granular Backfill	L.F.	100	\$35	\$3,500
Air Release Valve Pit	EA	2	\$3,000	\$6,000
Grading and Seeding	L.F.	3,300	\$5	\$16,500
Paved Surface Restoration	L.F.	100	\$40	\$4,000
Dewatering	L.S.	1	\$25,312	\$25,312
Erosion Control	L.S.	1	\$5,062	\$5,062
Estimated Construction Cost:				\$ 574,374
Land Acquisition	Acre	3.8	\$4,000	\$15,200
15% Construction Contingency:				\$86,156
Est. Non-Construction Costs @ 25%:				\$143,594
Estimated Total Project Cost:				\$819,324