I. SUMMARY

1. This report constitutes the Combined Sewer System Long-Term Control Plan for the Village of Paulding.

2. The Village has selected sewer separation to eliminate CSO discharges.

3. Two approaches to sewer separation have been considered: gravity sewers and vacuum sewers.

4. The use of gravity sewers is the least-cost solution at $5,087,000 for the total project.

5. A vacuum sewer system is estimated to cost $5,793,000 to construct with an additional $40,000 annual cost for maintenance.

6. Based on the estimated costs, gravity sewers are the preferred approach to sewer separation at Paulding.

7. Detailed design could indicate that it would be advantageous to use vacuum sewers in some areas such as downtown. Evaluation of such details must wait until the preliminary design is completed.

8. The construction project has been divided into four phases to ease the financial responsibility on the Village.

9. The proposed schedule of construction calls for completion in 20 years.

SCHEDULE

The proposed schedule for sewer separation accomplishes the complete sewer separation in a 10-year period. The ten-year period of time was determined by completing a financial capability assessment, see Appendix B. The milestones presented are consistent with those listed in the NPDES Discharge Permit for the Village, OEPA Permit No. 2PD00027*FD under Phase IV (Elimination of Combined Sewer Overflows #18 and #19 Discharging to Flat Rock

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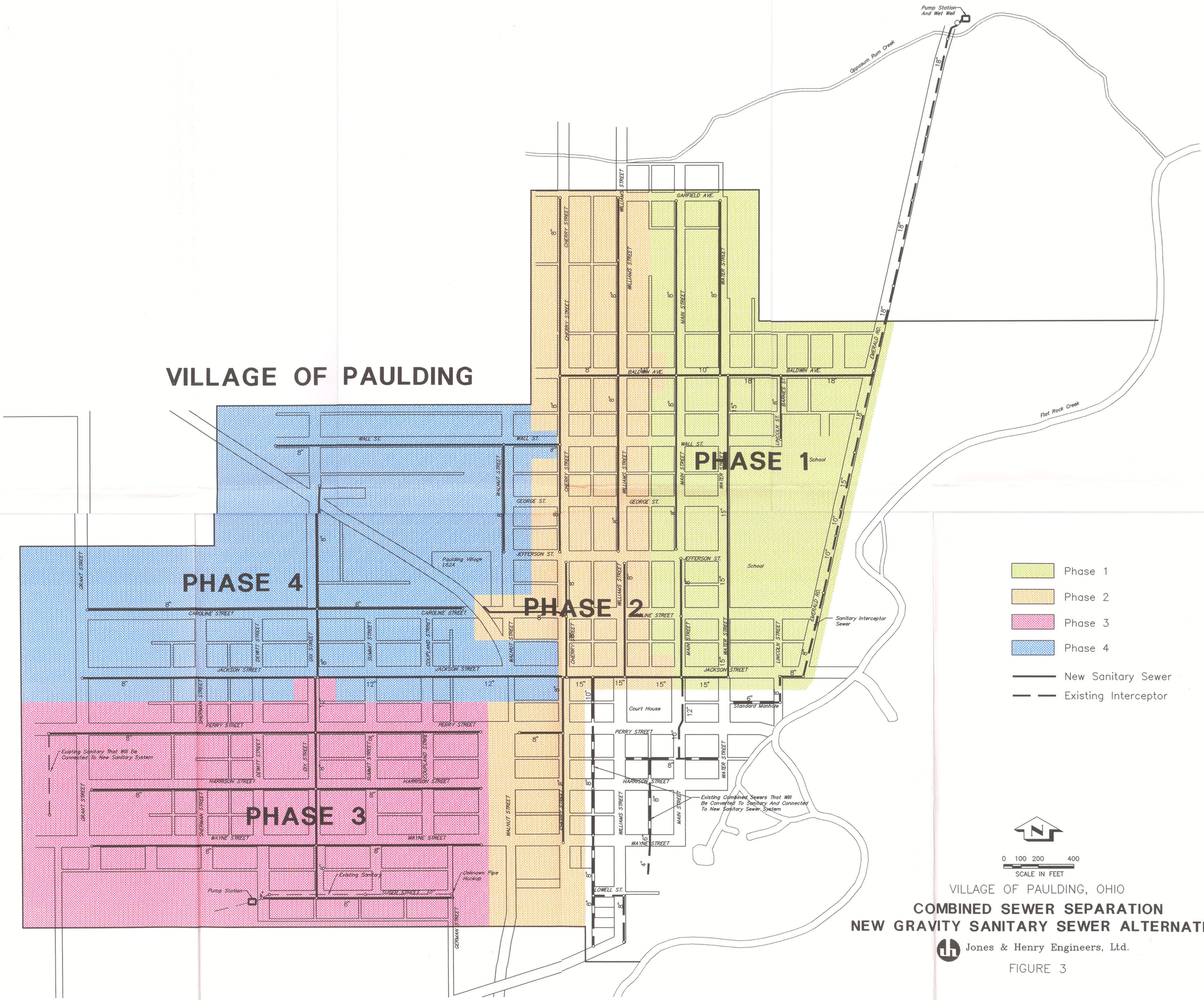
[2] Jones & Henry Engineers, Ltd. "Village of Paulding, Ohio Wastewater Collection and Treatment, June 1999.

Creek). For planning purposes, early and critical start times and completion times are listed with critical times based on the 10-year project completion time.

		Early Start/Completion	Late Start/Completion
a.	Begin Phase IV Design	June 1, 2003	August 1, 2011
b.	Submit an application for permit to install, including detail plans to NWDO of OEPA	February 1, 2004	April 1, 2012
c.	Commence construction of the project	May 1, 2004	July 1, 2012
d.	Notify NWDO of OEPA within seven days of construction completion.	May 8, 2005	July 8, 2012
e.	Attain operational level of the sewerage work as soon as possible but not later than....	October 1, 2005	December 31, 2013
f.	Notify NWDO of OEPA within seven days of attaining operational level.		
g.	Eliminate discharges from combined sewer overflows #18 and #19.	October 1, 2005	December 31, 2013
h.	Notify NWDO of OEPA within seven days of attaining operational level.	October 1, 2005	December 31, 2013

Table 13 typically indicates the normal time required for completion of such a project. In Payne's case, the project will be completed approximately 10 years after Long-Term Control Plan and wet weather stress testing approval.

TABLE 11 PROPOSED SCHEDULE OF EVENTS ALTERNATIVE NO. 2		
No.	Task	No. of Months After Approval of Long-Term Control Plan by Ohio EPA
1	Prepare and submit appropriate funding applications to complete the project	12
2	Upon receiving affordable planning and construction funding, begin design of the proposed improvements	30
3	Complete funding applications along with engineering design and submit to funding agencies and to Ohio EPA for review and approval	60
4	Receive funding agency's and Ohio EPA's approval for construction	82
5	Start construction of the CSO interceptor trunk sewer; retention pond and pumping facilities	96
6	Complete construction of the CSO project	120



VILLAGE OF PAULDING, OHIO

COMBINED SEWER SEPARATION
NEW GRAVITY SANITARY SEWER ALTERNATIVE

Jones & Henry Engineers, Ltd.

FIGURE 3

TOL-5031MAP5-Model-000
04/30/03 10-V02