

## **D. LONG TERM CSO CONTROL PROJECT GOALS**

### **Project Areas and Timetables (REVISED)**

1. East Lincoln Way storm sewer separation project (Mini System 1), Spring 2008.
2. Green Street, Cedar Street and Chestnut Street Sewer Separation Project (Mini System 7), Summer 2009.
3. Lincoln Avenue Sewer Separation Project (Mini System 7), Summer 2010.
4. North Market Street Sewer Separation Project (Mini System 5), Summer 2011.
5. Jefferson Street Sewer Separation Project (Mini System 3), Summer 2012.
6. Chestnut Street to St. George Church Connection (Mini System 4), Summer 2013.
7. East Chestnut Street (Mini System 1), Summer 2014.
8. Preparation of progress report of Long Term Control projects completed to date and success of completed projects. Results of the progress report will be used to determine if additional projects will be needed to effect the elimination of any collection system overflows.
9. Juvenile Center to Washington Street Connection (Mini System 4 & 5), Summer 2015.
10. Alley between Jefferson Street and Market Street, Summer 2016.
11. North Market Street Curb and Catch Basin Project (Mini System 4), Summer 2017.
12. Performance of any projects identified in Project #8 (progress report) to eliminate collection system overflows (2017 to 12-31-2020).

Proposed timetables will be affected by availability of funding, results of internal sewer video inspection and other projects proposed by the Village Street Department and/or private development.

**F. PROJECT GOALS EFFECTING THE ELIMINATION OF CSO OVERFLOWS**

1. East Lincoln Way Rehabilitation (Storm Sewer Separation), estimated cost \$2,400,000.00

This project is scheduled to be constructed during 2008. The storm sewer project will have an impact on CSO #25005 and CSO #25012. Project will include new high density polyethylene storm sewers, precast catch basins. City forces have recently raised the weir elevation of CSO #25005 by 6 inches. It is anticipated that CSO #25005 can be eliminated with this project.

This project will reduce hydraulic flows tributary to CSO #25012. Recent hydraulic calculations reveal that the down stream waste water collection system from CSO Overflow #25012 is more than adequate to permit closing of Overflow #25012. It is recommended that Village Officials close CSO #25012.

2. Green Street, Cedar Street and Chestnut Street, estimated cost \$199,540.00

The work will include separate storm sewers and sanitary sewers and should eliminate CSO #25008. Project will include high density polyethylene storm sewers and PVC sanitary sewers.

3. Lincoln Avenue Sewer Separation, estimated cost \$255,607.00

This storm sewer, sanitary sewer separation project, north and south along Lincoln Avenue should assist in the elimination of overflow CSO #25009 and #25010. Project will include new high density polyethylene storm sewers and precast concrete catch basins.

As a short term project, City Workers have recently raised the weir elevation at the CSO #25010 a total of approximately 9". This accomplishes two things: Directs most flows into the "Dickey Pump Station" and eliminates some clean water flow into the waste water collection system when Beaver Creek rises during significant rainfall events.

4. North Market Street, estimated cost \$377,292.00

The North Market Street storm sewer separation, along with the previously completed downtown restoration will hopefully result in the closing of CSO #25006. Project will include new high density polyethylene storms sewers and precast concrete catch basins.

5. Jefferson Street, estimated cost \$301,839.00

The Jefferson Street sewer separation project should contribute to the elimination of overflow CSO #25004. Project will include new high density polyethylene storms sewers and precast concrete catch basins.

City Crews have recently raised the weir elevation 3" with bricks and mortar above the former elevation and placed lime on walls down stream to monitor overflows. No overflows have been observed.

It is anticipated that completion of this project would result in the ability to eliminate CSO #25004.

6. Chestnut Street to St. George Church, estimated cost \$154,482.00

City forces have now closed CSO Overflow #25007. The completed Northwest Area Sewer Separation Project is seen as the major factor in closing this overflow.

This project will remove additional clean water from the sanitary sewer system and ultimately have an effect on CSO #25003. Project will include new high density polyethylene storms sewers and precast concrete catch basins.

7. East Chestnut Street, estimated cost \$616,490.00

This project which places storm sewers in the street now carried by combined sewers will eliminate a long run of a sizable drainage area and hopefully along with Projects #1 and #6, will eliminate CSO #25003. This project will include high density polyethylene storm sewers ranging in size from 12" to 42" in diameter.

8. Juvenile Center to Washington Street, estimated cost of \$157,980.00

This project will have a credible impact on reduction of clean water in the sanitary sewer system tributary to CSO #25009. Project will include high density polyethylene storm sewers and precast catch basins. It is anticipated that with the completion of this project and project No. 3 that CSO #25009 could be eliminated.

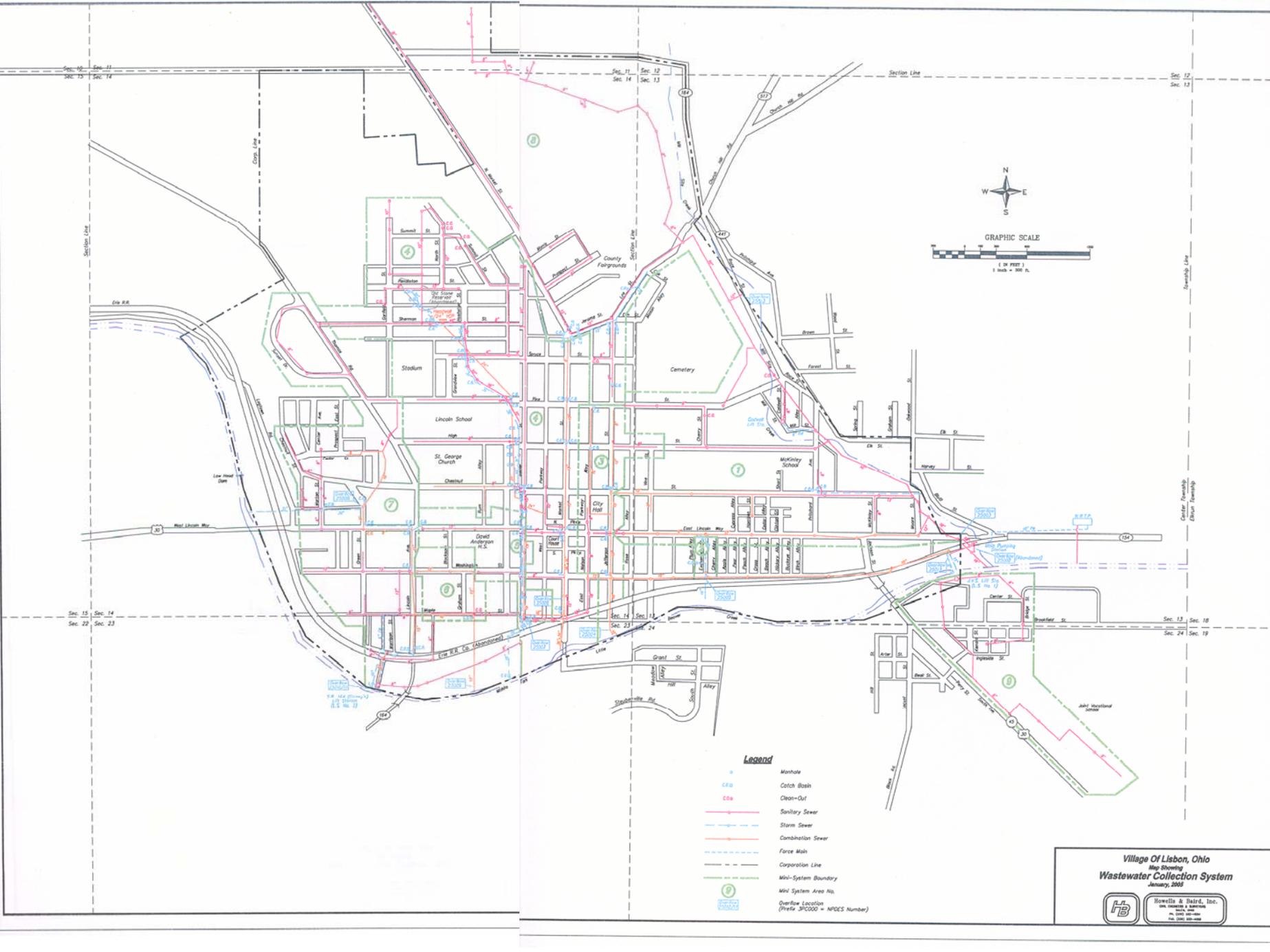
9. Alley between Jefferson Street and Market Street, estimated cost \$225,802.00

This improvement, along with Project #5 would provide additional relief relative to the closing of the overflow CSO #25004. Project will include new high density polyethylene storms sewers and precast concrete catch basins.

As a short term project the overflow weir at Exchange and Washington Street, has been raised approximately 6" with bricks and mortar by city forces. City forces have periodically observed flow at this weir.

10. North Market Curb & Gutter Basins, estimated cost \$204,400.00

These basins were installed with an ODOT project and by hooking these basins into a storm sewer it would have a definite impact on the final closing of overflow CSO #25006. Project will include high density polyethylene storm sewers.



**Legend**

- Manhole
- Catch Basin
- Clean-Out
- Sanitary Sewer
- Storm Sewer
- Combination Sewer
- Force Main
- Corporation Line
- Mini-System Boundary
- Mini-System Area No.
- Overflow Location (Prefix: 3PC000 = NPDES Number)

**Village Of Lisbon, Ohio**  
 Map Showing  
**Wastewater Collection System**  
 January, 2005



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