

Village of Newtonsville





**Board of County Commissioners
Clermont County, Ohio**

Village of Newtonsville WWTP and Collection System Project

Informational Meeting

November 6, 2014

Agenda

Topics to be covered include:

1. Project History (Recap)
2. Wastewater Treatment Plant Location
3. Proposed Collection System
4. Preliminary Project Costs
5. Funding
6. Future Schedule
7. Questions/Comments

Project History (Recap)

- Late 1990's Previous attempt to bring sewers to Newtonsville
- April 2011 General Health District survey of on-site septic systems
- October 2012 Initial Mailing to Property Owners with petition for sewers form
- January 2013 Meeting with Village Council to discuss potential project and the petitions received
- March 2013 1st Public Informational Meeting
- May 2013 Project added to CCWRD CIP
- October 2013 Consultant selected
- November 2013 Preliminary project design started
- January 2014 Meeting with Village Council Members to provide update and discussion regarding the WWTP sites and selection process
- April 2014 WWTP sites reviewed, evaluated, and ranked
- June-August 2014 WWTP site selection finalized
- September 2014 Preliminary collection system design presented to CCWRD
- November 2014 2nd Public Informational Meeting

Wastewater Treatment Plant Location

- Three sites were selected by county and consultant based on size, location and apparent availability. The three sites are:
 - Cedarville Road just north of the Village limits Private Property
 - Wright Street behind the Village offices Village Owned
 - SR 131 just east of Stonelick Creek Private Property
- A site selection committee made up of county (4), township (2), village (2) and consultant representatives (2), was established. The three sites were reviewed, reevaluated, and ranked 1-3, by the committee.

WWTP Candidate Sites



WWTP Site Selection Scoring

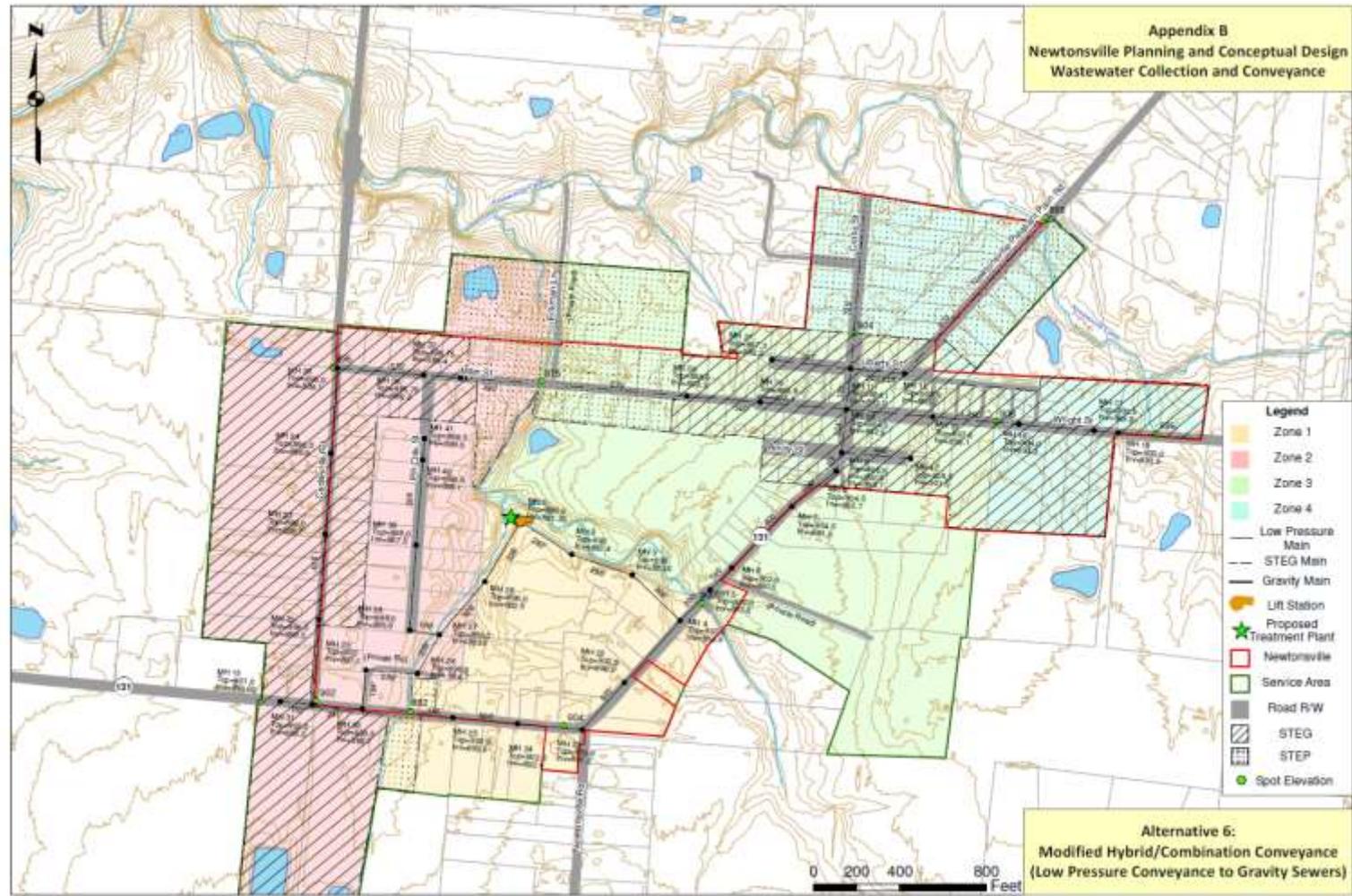
WWTP SITE SELECTION TALLY			
	Candidate Site 1 Cedarville Road	Candidate Site 2 Wright Street	Candidate Site 3 State Route 131
SITE EVALUATION CRITERIA	Average Score	Average Score	Average Score
PROXIMITY TO WATER BODY	52.50	39.38	57.75
TOPOGRAPHY/FLOOD PROTECTION	31.50	35.00	24.50
VEGETATIVE BUFFER	40.50	47.25	46.13
PROPERTY ACQUISITION CAPABILITY	104.50	76.00	66.50
COMMUNITY IMPACT	61.63	50.75	68.88
CONSTRUCTION IMPACT	14.00	17.00	22.50
PROJECT COSTS	82.00	94.00	38.00
TOTAL SCORE	386.63	359.38	324.25
SITE RANK	1	2	3

The Village Council approved the use of the Wright Street site for the WWTP on August 29, 2014.

Conveyance Alternatives Ranking

Conveyance Alternatives Ranking									
Conveyance Alternative	Constructability	Easements	Environmental Impact	Home Owner Impact	System Reliability	Local Use Precedent	Expandability	Cost	Overall Score
Gravity Conveyance, Inside Right-of-Way	6	1	5	1	1	1	6	6	27
Gravity Conveyance, Outside Right-of-Way/Following Topography	5	2	6	1	2	1	6	5	28
Low Pressure Conveyance	1	6	1	6	5	6	1	1	27
Vacuum System Conveyance	4	6	1	5	6	6	5	2	35
Septic Tank Effluent Pumping	2	6	1	5	4	3	1	1	23
Hybrid/Combination Conveyance (STEP to gravity sewers)	2	5	2	3	3	3	1	1	20

Proposed Collection System



STEP / STEG SYSTEM



STEP SYSTEM



Preliminary Project Costs

Description	Collection System	Treatment Plant	Total
Construction	\$3,232,000	\$2,262,000	\$5,494,000
Contingency	\$808,000	\$565,500	\$1,373,500
Design, Const. Eng., Insp., Legal & Admin.*	\$378,000	\$442,500	\$820,500
Easements	\$238,000	\$20,000	\$258,000
Interest, Funding Admin, Misc.	\$62,000	\$52,000	\$114,000
Total	\$4,718,000	\$3,342,000	\$8,060,000

Funding

- Proposed funding through USDA – Rural Development and Ohio Public Works Commission
- County Contribution
- Balance will be assessed to the benefitted properties as a Special Assessment

Description	Total
Total Project Cost	\$8,060,000
USDA/RD Grant (45% of Const. Cost \$5,494,000)	(\$2,472,300)
OPWC Grant	(\$500,000)
OPWC loan*	(\$500,000)
USDA/RD loan*	(\$2,021,700)
Estimated County Contribution	(\$820,500)
Sub Total	\$1,745,500
Total Loan Amount*	\$2,521,700
Balance (Preliminary Special Assessment)	\$4,267,200

Future Schedule

<u>Description</u>	<u>Date</u>
Prepare & Submit NPDES Permit	Dec-14
Public Hearing EPA (if necessary)	Feb-15
Obtain NPDES Permit	Apr-15
Initiate Detailed (Final) Design	Apr-15
3rd Public Informational Meeting	Sept-15
Design Complete	Oct-15
Public Hearing (County)	Nov-15
Start Easement Acquisition	Dec-15
Submit Permit to Install (PTI)	Dec-15
Obtain PTI Approval	Feb-16
Place project out for Bids	Jul-16
Bid Award	Sep-16
Construction Complete (18 months)	Mar-18
Sewers available for connection	Apr-18

Questions/Comments

Questions/Comments?

Final Comments

If you did not receive the meeting notification through the mail, see Chris to confirm your address before you leave.

Project information can be viewed on the county website under the Water Resources Department, Current News:

<http://wrd.clermontcountyohio.gov/CurrentNews.aspx>

Comments can be sent to:

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