

Water, Sewer, and Stormwater

Water service within the Village is provided by the Greater Cincinnati Water Works (GCWW) System and is purchased directly by the consumers. Waterlines in the Village are 6”, 8” and 12” in diameter. Capital Improvement Projects (CIP), mostly maintenance of water pipelines in service since 1936, are scheduled for 2010, 2013, and 2015 at an estimated cost of \$2,248,000 to GCWW.

2010 and 2013 Capital Improvements are scheduled in the western area of Greenhills on Burley Circle, Bachman Street, Brompton Lane, Andover Road, Cromwell Road, Ashby Street, Avenell Lane, Chalmers Lane, Dewitt Street, and Drummond Street. 2015 Improvements will be on the eastern area of Greenhills on Ireland Avenue, Illona Drive and Jennings Road. See Map 12 (2010 Water Improvements), and CIP Table.

Table 19
Greater Cincinnati Water Works - Greenhills Capital Improvement Projects

Planning Year	CIP Year	CIP Table	Street	From	To	Project ID	Age	EX.	Prop	Length	\$ / FT	Cost (1,000s)	Type
2010	2010	T12	Burley Cir	Andover	Cromwell	NEW PROJ-167	1936	12" /8"	8"	6666	650	852	Maintenance
2010	2010	T12	Bachman St	Burley	Burley	NEW PROJ-167	1936	8"	8"	3050	125	382	Maintenance
2010	2010	T12	Brompton Ln	Burley	S Terminus	NEW PROJ-167	1936	6"	8"	825	125	103	Maintenance
2010	2010	T12	Andover Rd	Burley	Winton	NEW PROJ-167	1936	8"	8"	860	125	108	Maintenance
2010	2010	T12	Cromwell Rd	Andover	Damon	NEW PROJ-167	1937	12"	12"	1210	125	151	Maintenance
										721	150	108	Maintenance
Total Length 5108											Total Cost 690		
2013	2013	T12	Ashby St	Avenell	Andover	NEW PROJ-284	1936	8"	8"	664	135	90	Maintenance
2013	2013	T12	Avenell Ln	Andover	S Terminus	NEW PROJ-284	1936	8"	8"	938	135	127	Maintenance
2013	2013	T12	Chalmers Ln	Cromwell	Cromwell	NEW PROJ-284	1936	6"	8"	986	135	133	Maintenance
2013	2013	T12	Dewitt St	Drummond	Drummond	NEW PROJ-284	1937	6"	8"	958	135	130	Maintenance
2013	2013	T12	Drummond St	Cromwell	Damon	NEW PROJ-284	1937	8"	8"	1562	135	210	Maintenance
Total Length 5762											Total Cost 779		
2015	2015	T12	Ireland Ave	Ingram	June field	NEW PROJ-283	1954	6"	8"	3936	135	532	Maintenance
2015	2015	T12	Illona Dr	Ireland	Jennings	NEW PROJ-283	1954	6"	8"	1497	135	2022	Maintenance
2015	2015	T12	Jennings Rd	Illona	Ingram	NEW PROJ-283	1956	8"	8"	329	135	45	System Upgrade
Total Length 5762											Total Cost 779		

Source: Russ Weber, russ.weber@gcww.cincinnati-oh.gov, 27-May-2009

Sewage collection and disposal are provided by the Metropolitan Sewer District. Greenhills has separate sewer and stormwater throughout the Village. Pipes range in diameter from 2”, 4”, 6”, 12”, and the main lines are 18”. The Village does not have current MSD Sanitary Sewer Capital Improvement information.¹

Greenhills is part of the Hamilton County Storm Water District.² To address the National Pollution Discharge Elimination System (NPDES) Phase II unfunded mandate of the Clear Water Act, and to improve storm water quality on a countywide basis, the Village of Greenhills joined the Hamilton County Storm Water District in 2003.

The Hamilton County Engineer administers the overall management of the Storm Water District on behalf of the Hamilton County Board of County Commissioners. The District utilizes the expertise of several Partner Agencies, including the Hamilton County Soil and Water Conservation District, the Hamilton County Department of Public Works, the Hamilton County General Health District, and the Metropolitan Sewer District of Greater Cincinnati, to conduct various aspects of the Phase II program in partnership with member jurisdictions. Cost to the jurisdiction is commensurate with the amount of impervious surface (i.e., hard surfaces that do not allow the direct infiltration of rain fall and snowmelt, such as driveways and rooftops).

¹ Jane Berry, Village Administrator. July 14, 2009

² Source: Todd Long, Hamilton County Engineer’s Office. February 2009

In summary, the NPDES permit requires that storm water be managed on site to avoid pollution of the water (quality) and to avoid discharge of water from one site to another (quantity). The NPDES permit requires that storm water pollution be minimized by complying with six minimum control measures: (1) Public Education and Outreach, (2) Public Participation and Involvement, (3) Illicit Discharge Detection and Elimination, (4) Construction Site Storm Water Runoff Control, (5) Post-Construction Storm Water Runoff Controls, and (6) Good Housekeeping/Pollution Prevention for Municipal Operations.

Additionally, the Metropolitan Sewer district is negotiating a consent decree with the U.S. EPA, and has submitted a proposal that consists in part of the implementation of a series of “green” storm water best management practices, such as green roof, rain garden, vegetated swales, porous pavements, etc., that will reduce the need for expensive infrastructure retrofit (underground pipes and other engineering solutions).

Other Infrastructure and Utility Services³

The Village does not have current capital improvement information from Duke Energy in terms of gas and electric utility services. There is a definite need for upgraded, preferably buried, electrical service in the Village due to numerous circuits and overhead lines. They are difficult to maintain and suffer from frequent power outages.

The last major street and curb project in the Village was in 1996. Brandstetter Carroll, an engineering consultant firm, is working on a pavement management study for the Village that will become a multi-year work program for street and road improvements. The Study will be complete in the Fall of 2009.

Time Warner Cable provides broadband access/cable service in the Village through the terms outlined in a franchise agreement. The agreement is an ordinance as well as a multi-year plan.

The Village has plans to upgrade/enhance/expand and/or renovate several Village facilities, including parks, golf course and clubhouse/banquet center, pool, ball fields, playgrounds, service garage, municipal building, and public safety facilities.

The Village has received a 2010 Community Development Block Grant through Hamilton County for a sidewalk along Winton Road. The sidewalk will create a safe route to the WWCS High School in Forest Park since there is no busing for high school students. Village of Greenhills engineers are developing plans and construction documents currently for this project.

³Jane Berry, Village Administrator. July 14, 2009

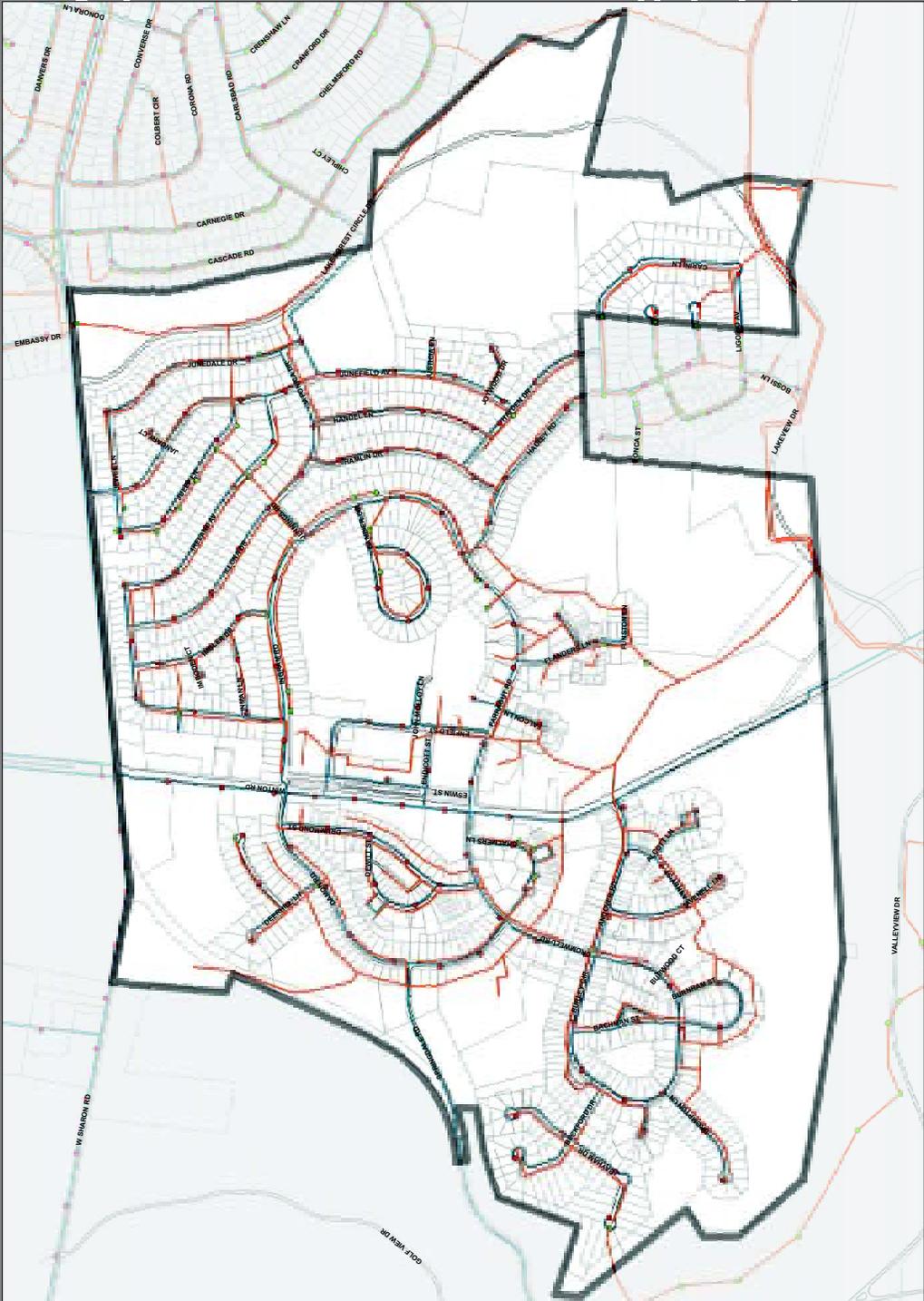
VILLAGE OF GREENHILLS



Map 12
2010 Water/Sewer Improvements (Scheduled Capital Improvements Projects)

Source: Mark Abell, HCRPC - Feb. 2009

VILLAGE OF GREENHILLS

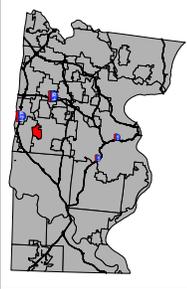
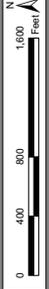


Utilities Map

- Legend**
- Manhole (1)
 - Fire Hydrant (2)
 - Sanitary Sewer (1)
 - Water Main (2)
 - Parcels

Source: Metropolitan Sewer District (MSD)
 (1) Cincinnati Water Works (CWW)

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Comprehensive Plan
 Hamilton County, Ohio
 August 2009

Map 13 Utilities