

AMENDMENT PACKAGE

HOWARD COUNTY MASTER PLAN
FOR WATER & SEWER
ROUTINE AMENDMENT

JANUARY 2009

INCLUDES:

1. Report of the Review.
2. Revised Table 8, Immediate, 5-Year, 10 Year, and Comprehensive Priorities for Water System Development.
3. Revised Table 13, Immediate, 5-Year, 10-Year, and Comprehensive Priorities for Sewer System Development.
4. Revised Sewer Map, Immediate, 5-Year, 10-Year, and Comprehensive Priorities for Sewer System Development.
5. Water Facilities Map Revisions Code List.
6. Sewer Facilities Map Revisions Code List.
7. Revised Sewer Facility Map.
8. Revised Water Facility Map.

NOTE: All other text from the July 2008 Master Plan remains unchanged.

REPORT OF THE REVIEW

MASTER PLAN FOR WATER AND SEWERAGE ROUTINE AMENDMENT

January 2009

As specified in Chapter 1 of the Master Plan for Water and Sewerage as approved in July 2008, the Department of Public Works is committed to prepare Routine Amendments on a semi-annual basis. This Routine Amendment includes two tables and two sets of maps which account for subdivision activity and capital project construction through October 2008. This amendment, which is of limited scope, addresses three specific types of revisions to the Master Plan for Water and Sewerage:

1. Changes in Capital Project Schedules - As capital projects progress from planning to construction, the priority designations assigned in the Master Plan for Water and Sewerage to the properties served by these projects must be revised. Detailed criteria for determining the appropriate priority designations are given in Chapter 1 of the Master Plan for Water and Sewerage.
2. Changes in the Status of Private Development - As proposed private development progresses through the plan review and approval process administered by the Department of Planning and Zoning, the Master Plan for Water and Sewerage priority designation for affected properties must be revised in accordance with the Chapter 1 criteria. These revisions are of particular importance since the Maryland Department of the Environment will only approve water or sewer construction permits for proposed development which is assigned a priority specifying service within a maximum of five years.
3. Entries into the Metropolitan District - Properties which have been incorporated into the Metropolitan District necessitate revisions to the Master Plan for Water and Sewerage and the water and sewer facilities maps since the Metropolitan District boundary is shown on these maps. Likewise, properties removed from the Metropolitan District result in revisions to the boundary.

The contents of the amendment are described below:

1. Table 8 - Immediate, 5 Year, 10 Year, and Comprehensive Priorities for Water System Development - Revisions to this table incorporate changes in priority designations and project descriptions for water system capital projects. Projects which have been completed were deleted from the table.
2. Table 13 - Immediate, 5 Year, 10 Year, and Comprehensive Priorities for Sewer System Development - Revisions to this table incorporate changes in priority designations and project descriptions for sewer system capital projects. Projects which have been completed were deleted from this table.

3. Sewer Map - Immediate, 5 Year, 10 Year, and Comprehensive Priorities for Sewer System Development - Revisions to this map incorporate changes in project locations and geographic descriptions for sewer system capital projects.
4. Water Facilities Map - This map included at the end of the Master Plan for Water and Sewerage includes service priority and other revisions relating to the water system.
5. Sewer Facilities Maps - These maps included at the end of the Master Plan for Water and Sewerage include service priority and other revisions relating to the sewer system.
6. Water Facilities Map Revision Table - This table identifies each revision to the Water Facilities Map. Included are the subdivision or property owner name; tax map number; parcel or lot number; a description of the revision; and the reason for the revision. The table is inserted in the composite water map pocket (EXHIBIT B).
7. Sewer Facilities Map Revision Table - This table identifies each revision to the Sewer Facilities Map. Included are the subdivision or property owner name; tax map number; parcel or lot number; a description of the revision; and the reason for the revision. The table is inserted in the composite sewer map pocket (EXHIBIT C).

Each of the above items replaces its counterpart in the July 2008 Master Plan Amendment.

TABLE 8

IMMEDIATE, 5 YEAR, 10 YEAR, AND COMPREHENSIVE PRIORITIES FOR WATER SYSTEM DEVELOPMENT

Capital Project Number	County Priority Assigned	Coordinate Location	Description	Project Costs (\$)			Project Schedule			Pressure Zone	Model Run Year
				Total	PL660 Eligibility	Local	Prel Plans	Start Const.	Compl. Const.		
Developer Project	Under Const.	1338-541	Construction of approximately 28,000 ft. of 12" water distribution main south of Johns Hopkins Road and West of Route 29.						2010	630-S	2010
W-8195	Under Const.	1379-594	Design and construction of 8,100 feet of sewer to serve properties in the Albeth Heights area, and 5,700 feet of water main to loop the water system in the Waverly Woods Development.	3,175,000	-	3,175,000	2001	2001	2010	630-W	2010
W-8199	Under Const.	1361-577	Design and construction of 6,000 feet of 48" water transmission main along US 29 between MD 100 and MD 108.	6,800,000	-	6,800,000	2003	2009	2010	550	2010
W-8298	Under Const.	1334-554	Construction of a water main along Guilford Road from Walter Scott Drive west to Trotter Road. This main will consist of 820 ft. of 8" pipe.							630-W	2010
W-8227	0-5 Years	1340-596	Construction of approximately 3,050 ft. of 16" water transmission main and 3,050 feet of 12-inch water main to connect to the proposed Marriottsville Elevated Water Tank.	1,905,000	-	1,905,000	2005	2009	2010	630W/730	2010
W-8263	0-5 Years	1338-598	Design and construction of a 1.25 million gallon elevated water storage tank and related piping to serve the 630 Water Service Zone (Marriottsville)	4,300,000	-	4,300,000	2004	2009	2010	630W	2010
W-8273	0-5 Years	1342-556	Design and construction of 12-inch water main along Cedar Lane from Freetown Road to Harriet Tubman Lane.	1,200,000		1,200,000	2008	2009	2010	550	2010
W-8275	0-5 Years	1375-543	Design and construction of 3,300 feet of 12-inch water main and 500 feet of 8-inch sewer along proposed Dorsey Run Road.	1,215,000		1,215,000	2007	2008	2009	400	2007
W-8280	0-5 Years	1337-542	Design and construction of Fulton 500,000 Gallon elevated water storage tank, a 0.5 MG Hammond pumping station, and related upgrades to the existing Route 216 pumping station.	5,330,000		5,330,000	2007	2009	2010	630S	2010
W-8287	0-5 Years	1380-551	Design and construction of 600 feet of 12-inch water main in Dorsey Road to connect the 16-inch water main in Dorsey Run Road to the 12-inch main in Dorsey Road.	200,000		200,000	2007	2009	2009	400	2007
W-8297	0-5 Years	1347-546	Construction of a water transmission main along Kindler Road from First League to Woodstream Way. This main will consist of 4,000 ft. of 12" pipe.						2015	550	2010
W-8296	0-5 Years	1354-564	Construction of 18,000 ft. of 36" water transmission main along U.S. Route 29 from the Route 29 Pumping Station to Broken Land Parkway.						2015	550	2010
W-8300	0-5 years	1395-565	Construction of water parallel transition main along Levering Ave and Main Steet.							400	2010
W-8304	6-10 Years	1349-563	Improvements to Columbia PS							550/ 630-W	2015
W-8309	6-10 Years	1368-547	Construction of a water main from Mission Road to and along MD Route 175 and across I-95 to connect to Columbia Gateway. This main will consist of approximately 5,000 ft. of 12" pipe.							550	2020+
W-8285	Comprehensive	1366-545	Design and construction of 2,300 feet of 12-inch water main along Mission Road.	715,000		715,000	2009	2010	2011	400	2020
W-8262	0-5 Years	1366-541	Design and construction of a 2.5 million gallon elevated water storage tank and related piping to serve the 400 Water Service Zone. (Guilford)	5,275,000	-	5,275,000	2004	2009	2010	400	
W-8264	0-5 Years	1343-590	Design and upgrade of the Frederick Road Water Pumping Station.	830,000	-	830,000	2004	2009	2010	630W/ 730	
W-8271	0-5 Years	1361-574	Design and upgrade of Edgar Road Pumping Station	675,000	-	675,000	2006	2008	2009	550/ 630E	
W-8302	0-5 Years	1364-589	Construction of approximately 1,200 ft. of 12" water main between Town and Country Blvd. and U.S. Route 40.							550/ 630W	
Developer Project	0-5 Years	1368-541	Construction of approximately 6,500 ft. of 12" water main from Washington Blvd. to Mission Road and approximately 4,000 ft. of 12" water main along Mission Road south to Washington Blvd.							400/ 550	
W-8303	0-5 Years	1387-556	Construction of approximately 3,000 ft. of 8" and 12" water main along Loudon Avenue and the railroad from Loudon Avenue to Hanover Rd.							400	

TABLE 8

IMMEDIATE, 5 YEAR, 10 YEAR, AND COMPREHENSIVE PRIORITIES FOR WATER SYSTEM DEVELOPMENT

Capital Project Number	County Priority Assigned	Coordinate Location	Description	Project Costs (\$)			Project Schedule			Pressure Zone	Model Run Year
				Total	PL660 Eligibility	Local	Prel Plans	Start Const.	Compl. Const.		
W-8299	0-5 Years	1354-587	Upgrading the Pine Orchard pump station by adding one pump.							550/ 630W	
W-8200	0-5 Years.	1357-574	Design and construction of improvement to the US 29 water pumping station to increase pumping capacity.	1,685,000	-	1,685,000	2009	2010	2011	550	
Developer Project	6-10 Years	1347-595	Construction of a water transmission main from Resort Road to Bethany Lane and associated pipes. This main will consist of approximately 4,200 ft. of 12" pipe.							550	
W-8307	6-10 Years	1354-554	Construction of a water transmission main along Broken Land Pkwy. from Stevens Forest Road to Cradlerock Way. This main will consist of 4,600 ft. of 30" pipe, and will provide for improved integration of the U.S. Route 40 and Elkridge supplies.						2015	550	
W-8305	6-10 Years	1377-569	Construction of 8,000 ft. of 12" water main in Landing Road from Grovemont Subdivision to Montgomery Road.						2015	550	
W-8308	6-10 Years	1344-547	Construction of 16,000 ft. of 24" water transmission main along U.S. Route 29 from Old Columbia Road to MD Route 216.						2015	550	
Developer Project	Comprehensive	1393-559	Construction of 6,500 ft. of 8" water main along Race Road from Hanover Road to the existing 8" main in Race Rd.							400/ 300	
W-8301	0-5 Years.	1338-556	Construction of a water transmission main along Guilford Road from Quiet Night Ride east to W.R Grace. This main will consist of 1,500 ft. of 12" pipe.							550/ 630-W	
	6-10 Years	1379-574	Construction of 8" water main connecting Landing Road to College Ave.								
W-8248	Under Const.		Design and construction of water and sewer lines in conjunction with Maryland State Highway Administration and Howard County road projects prior to road construction.	7,650,000	-	7,650,000	on-going	on-going	on-going	-	N/A
W-8600	Under Const.		Design and construction of various additions and improvements to the water and sewer system utility or its associated infrastructure.	8,115,000	-	8,115,000	on-going	on-going	on-going	-	N/A
W-8234	Under Const.	1361-577	Design and construction of 2,600 ft. of 8" water main in Columbia Road to replace a 3" water main constructed in 1966.	475,000	-	475,000	2003	2009	2010	-	?
W-8270	0-5 Years		Design and construction of upgrades and improvements to the 400 Zone water supply.	2,090,000	-	2,090,000	2006	2006	2009	400	N/A
W-8282	0-5 Years		Evaluation, design and construction of a new water supply connection with Anne Arundel County.	3,690,000		3,690,000	2008	2011	2011	400	N/A
W-8283	0-5 Years		Evaluation, design and construction of a new water supply connection with Washington Suburban Sanitary Commission.	4,190,000		4,190,000	2008	2011	2011	400	N/A
W-8220 ¹	0-5 Years	N/A	A project for the planning, design and construction of major water facilities, mains, pumping stations, reservoirs and treatment plants in the Baltimore City Central Water System.	13,600,000	-	13,600,000	2001	2002	2010	N/A	N/A
W-8238	0-5 Years	1382-557	Rehabilitation of approximately 15,500 ft. of water main on US 1 from Meadowridge Road to Montgomery Road.	7,200,000	-	7,200,000	2002	2006	2009	400	N/A
W-8243	0-5 Years	1363-583	Replacement of approximately 8,000 ft. of 42" and 30" prestressed concrete cylinder pipe parallel to US Route 29 and Toll House Road between US Route 40 and MD Route 103.	14,585,000	-	14,585,000	2003	2005	2010	550	N/A
W-8249	0-5 Years	1376-556	Replacement of approximately 9,000 ft. of 16" water main in Meadowridge Road between US Route 1 and MD Route 100.	3,700,000	-	3,700,000	2003	2009	2010	550/ 400	N/A
W-8255	0-5 Years	1387-557	Study and rehabilitation of 17,000 ft. of water main in the Harwood Park area.	5,630,000	-	5,630,000	2004	2009	2010	400	N/A
W-8256	0-5 Years	1383-550	Cleaning and relining of 7,000 ft. of water main in the Lennox Park area.	600,000	-	600,000	2004	2009	2010	400	N/A
W-8257	0-5 Years	1388-563	Replacement of 10,000 ft. of water main on Lawyers Hill Road and Montgomery Road and installation of a cathodic protection system along Old Lawyers Hill Road.	2,050,000	-	2,050,000	2004	2008	2009	400	N/A

TABLE 8

IMMEDIATE, 5 YEAR, 10 YEAR, AND COMPREHENSIVE PRIORITIES FOR WATER SYSTEM DEVELOPMENT

Capital Project Number	County Priority Assigned	Coordinate Location	Description	Project Costs (\$)			Project Schedule			Pressure Zone	Model Run Year
				Total	PL660 Eligibility	Local	Prel Plans	Start Const.	Compl. Const.		
W-8265	0-5 Years	1353-560	Rehabilitation or replacement of 1,000 linear feet of 30-inch diameter water main in the vicinity of US 29 and Broken Land Parkway.	2,270,000	-	2,270,000	2005	2009	2010	550	N/A
W-8274	0-5 Years	Various sites	Project to Upgrade the Bureau of Utilities SCADA System	605,000		605,000	2007	2007	2009		
W-8267	0-5 Years	Various Sites	Project to develop a water valve database and provide for a continuing maintenance program for exercising of valves	352,000		352,000	2008	on-going	on-going	on-going	on-going
W-8269 ²	0-5 Years		Design and construction of major transmission mains to convey public water from Baltimore City to Howard County. The project will fund a cost sharing agreement between Baltimore City, Baltimore County and Howard County on improvements to the Baltimore City's Western Third Zone.	34,000,000	-	34,000,000	2005	2006	2010	N/A	N/A
W-8272	0-5 Years	1379-563	Design and rehabilitation of 2,500 of water main within Bellanca Drive.	1,090,000	-	1,090,000	2006	2008	2009	550	N/A
W-8276	0-5 Years	1396-568	A project to evaluate the condition of 38,000 feet of 54-inch and 36-inch PCCP water transmission mains in Baltimore and Howard Counties and to repair or replace defective portions of pipeline.	17,500,000		17,500,000	2005	2007	2011	N/A	N/A
W-8284	0-5 Years	1328-595	Design and construction of 2,280 feet of 12-inch water main to West Friendship VFD for fire suppression purposes.	685,000		685,000	2008	2009	2010	N/A	N/A
W-8286	0-5 Years	1384-559	A project to evaluate the condition of 12,500 feet of water main in the Ducketts Lane area between US Route 1 and I-95 and to rehabilitate or replace defective portions of the main.	3,590,000		3,590,000	2008	2009	2010	550	N/A
W-8288	0-5 Years	1336-597	Design and construction of 1,800 feet of 8-inch main within Alpha Ridge landfill to provide fire protection.	340,000		340,000	2008	2008	2009	730	N/A
W-8292	0-5 Years	1379-547	Design and construction of 5,500 feet of 12-inch water main and relocation of 1,500 feet of sewer main within proposed Dorsey Run Road.	1,900		1,900	2009	2011	2012	400	N/A
W-8293	0-5 Years	1347-561	Design and construction of 500 feet of 8-inch main to loop water system from Jerrys Drive to Hickory Ridge Road..	140		140	2009	2010	2011	550	N/A
W-8294	0-5 Years	1363-571	Design and construction of 600 feet of 8-inch main to loop water system from Rumsey Road to Executive Park Drive.	150		150	2009	2010	2011	630E	N/A
W-8306	6-10 Years	1341-549	FY16 Sanner Road Water Main Loop								
W-8698	0-5 Years		A project to design and construct routine water main extensions in the Metro District request by landowners. 1. To serve existing dwelling in recorded residential subdivisions where water mains have not been constructed. 2. With existing dwellings or businesses on failing private systems identified by the County Health Department; and 3. To serve parcels with existing dwellings. The routine extensions must meet the following criteria: a. A written request has been made by a property owner who is without a water main fronting their property. b. Property to be served must abut a County or State road. c. The extension is less than 1000 feet. d. The extension must be a continuation of a water main currently in service in the same pressure zone. e. Acquisition of utility easements are not required. f. Capacity is available per section 18.122B County Code. g. Extension is supported by 50% of the property owners whose front foot benefit charges would change following construction.	1,900,000	-	1,900,000	on-going	on-going	on-going	N/A	N/A

TABLE 8

IMMEDIATE, 5 YEAR, 10 YEAR, AND COMPREHENSIVE PRIORITIES FOR WATER SYSTEM DEVELOPMENT

Capital Project Number	County Priority Assigned	Coordinate Location	Description	Project Costs (\$)			Project Schedule			Pressure Zone	Model Run Year
				Total	PL660 Eligibility	Local	Prel Plans	Start Const.	Compl. Const.		
W-8809	0-5 Years		A project to provide construction and inspection service for sites which do not require developer agreement but require larger than 1" water house connection, fire hydrants and other water appurtenances.	200,000	-	200,000	on-going	on-going	on-going	N/A	N/A
W-8859	0-5 Years		A project to provide for the construction of water house connections by the Bureau of Utilities for residential size (1-inch) connections. These connections are made when new connections are required for lots or homes where none exists.	100,000	-	100,000	on-going	on-going	on-going	N/A	N/A
Developer Project	0-5 Years	1342-594	Extension of 16" watermain through Waverly Woods Golf Course								

¹ Scheduling of facilities to be determined by Water Analyzer Office and specified in Central System Report.

² Required facilities were identified in the Report on the Western Third Zone of the Baltimore Water System (August, 1984).

Note: Projects which are not identified as capital projects may be constructed in the time frame indicated, or at an earlier time by a private developer if earlier construction would provide an orderly system extension.

	Scheduled Improvements
	0-5 years (2010)
	6-10 years (2015)
	11-15 years (2020)

TABLE 13

IMMEDIATE, 5 YEAR, 10 YEAR AND COMPREHENSIVE PRIORITIES FOR SEWER SYSTEM DEVELOPMENT

Capital Project Number	County Priority Assigned	Coordinate Location	Description	Project Costs (\$)			Project Schedule		
				Total	PL660 Eligibility	Local	Prel Plans	Start Const.	Compl. Const.
S-6175	0-5 Years	1360-541	A project for the study, design and construction of the Little Patuxent Parallel Interceptor.	68,230,000	-	68,230,000	2006	2009	2011
S-6245	0-5 Years	1365-531	A project to reduce nitrogen loading from the Little Patuxent Sewer Basin.	85,445,000	-	85,445,000	2008	2010	2012
S-6951		1364-531	A project to study the feasibility of constructing a new maintenance facility for the LPWRP on a 27 acre adjacent parcel (currently owned by Howard County). In addition, the current maintenance facility, or other non-process areas such as the gas pumps, weigh scales, or parking lots would be removed to make room for additional treatment adjacent to the existing tertiary treatment area. Design and construction to follow the study.	953,000	-	953,000	2006	2007	2008
S-6278	0-5 and Comprehensive	1366-597	Construction of three pump stations, force mains and collector sewers serving the Daniels area. These pump stations will have capacities of 100 to 250 gpm (0.14 mgd to 0.36 mgd).						
Developer Project	0-5 Years	1344-597	Construction of 2,600 ft. of interceptor to serve areas west of Turf Valley Road.						
S-6271	0-5 Years	1386-555	Construction of 1,000 ft. of parallel interceptor to the Deep Run interceptor between manholes 387 and 383.						2010
S-6260		1390-567	A project to provide sewer service to properties along Rockburn Hill Road.	2,295,000	-	2,295,000	2008	2009	2010
S-6265	6-10 years	1370-581	A project to design and construct 1,800 linear feet of sewer and 1,800 linear feet of water main to serve 8 properties on New Cut Road.	735,000	-	735,000	2012	2013	2014
S-6277	6-10 Years	1390-566	Construction of two 100 gpm (0.14 mgd) pump stations and force mains in the Lawyer's Hill area to serve properties between Montgomery Road and I-95.						
S-6280	6-10 Years	1372-579	Construction of pump stations and force main with capacities of approximate 100 gpm (0.14 mgd) to serve properties east of College Avenue.						
S-6276	Comprehensive	1387-567	Construction of an interceptor along the Rockburn Branch to serve the area east of Landing Road.						
S-6279	6-10 Years	1369-595	Construction of a 100 gpm (0.14 mgd) Church Lane pump station and force main to serve property north of Deerfield Road.						
S-6189	0-5 Years ¹	1363-524	A project for the design and construction of improvements to the North Laurel Sewage Pumping Station to increase the pumping capacity of the station.	6,530,000	-	6,530,000	2004	2009	2010
S-6190	Under Const.	1355-573	A project for the design and construction of improvements to the MD Route 108 Sewage Pumping Station and force main to increase the station pumping capacity.	1,225,000	-	1,225,000	2003	2006	2008
S-6226	Under Const.	1366-583	A project for the study and implementation of an odor control system for the sewage flows in the Tiber Branch and the Cat Rock Run Interceptor sewers.	660,000	-	660,000	2003	2008	2009
S-6232	Under Const.		A project to televise sewer pipes in the County's sanitary sewer system for evidence of corrosion. This project will effect repairs area where corrosion has compromised the integrity of the system.	4,765,000	-	4,765,000	on-going	on-going	on-going
S-6233	0-5 Years	1329-560	A project for the design and construction of 600 ft. of water main and 600 ft. of sewer to serve nine properties along Thompson Drive, and 600 ft. of sewer to serve nine properties on Tulane Drive.	380,000	-	380,000	2011	2012	2012

TABLE 13

IMMEDIATE, 5 YEAR, 10 YEAR AND COMPREHENSIVE PRIORITIES FOR SEWER SYSTEM DEVELOPMENT

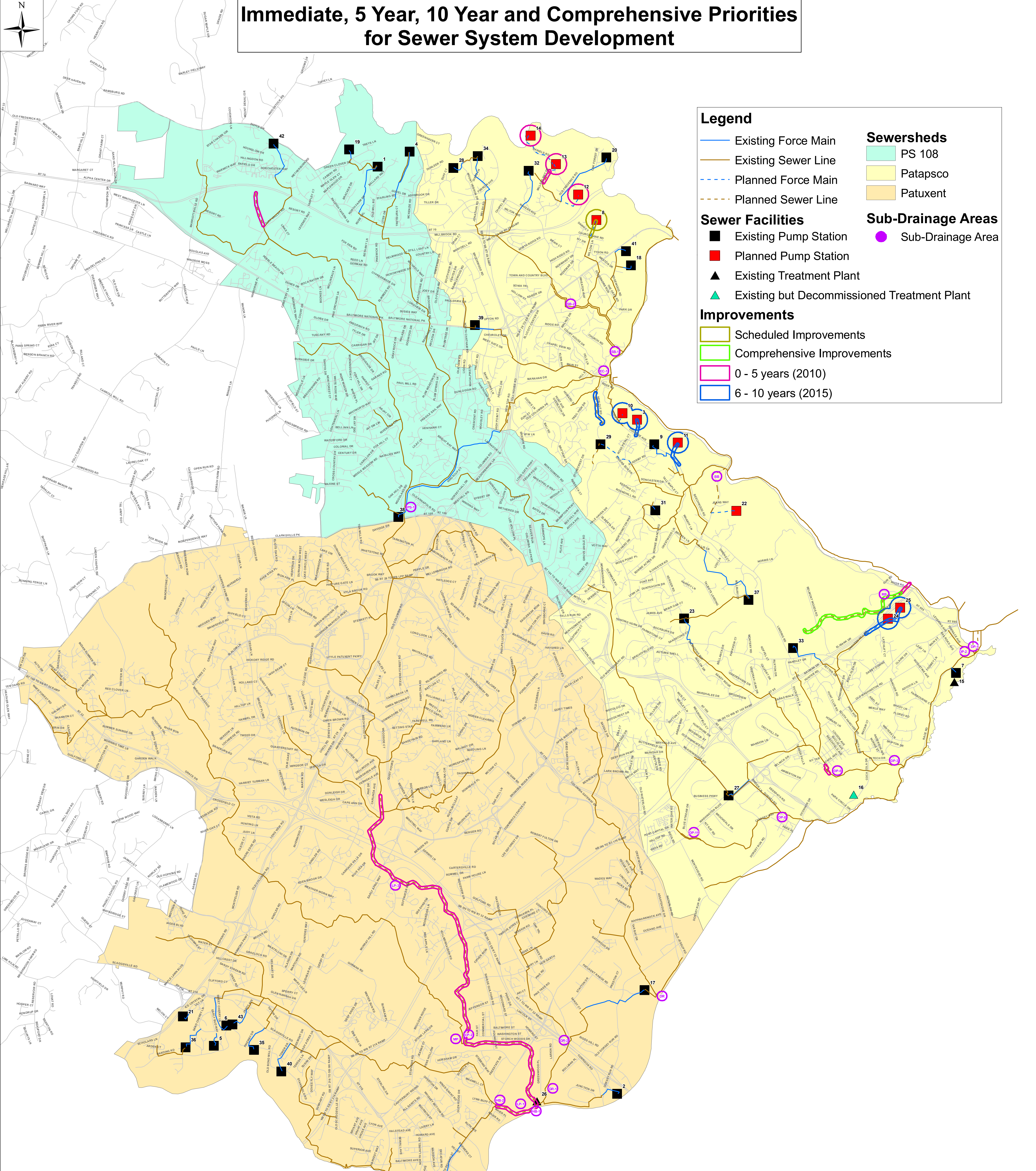
Capital Project Number	County Priority Assigned	Coordinate Location	Description	Project Costs (\$)			Project Schedule		
				Total	PL660 Eligibility	Local	Prel Plans	Start Const.	Compl. Const.
S-6237	Under Const.		A project for Howard County's participation in the cost sharing for the capital funding of the Patapsco Treatment Plant at Wagners Point and the related Patapsco Interceptor, Pump Station, and Force Main.	45,000,000	-	45,000,000	on-going	on-going	on-going
S-6239	Under Const.	1335-583	A project for the design and construction of approximately 2,500 ft. of sewer and 1,100 ft. of water main to serve two properties on Trotter Road.	850,000	-	850,000	2004	2007	2009
S-6243	Under Const	1365-541	A project for the design and construction of 1,700 ft. of sewer to serve 5 properties on Jones Road.	390,000	-	390,000	2004	2008	2010
S-6247	0-5 Years	1385-563	A project for the design and construction of 100 ft. of 8-inch sewer and 100 ft. of water main to serve four lots on Woodburn Avenue.	110,000	-	110,000	2011	2011	2012
S-6249			An appropriation is requested under this project to construct water, sewer and associated facilities in subdivisions where the developer has failed to build all facilities in accordance with the plans and Developer's Agreement.	600,000	-	600,000	on-going	on-going	on-going
S-6250			A project for study and evaluation of the County's Patasco Sewer Service Area from the Daniels Area to the Deep Run.	630,000	-	630,000	2004	2008	2010
S-6251	Under Const	1345-551	A project for design and construction of 7,200 ft. of 8-inch sewer and 4,200 ft. of 8-inch water main to serve the existing homes on Hunting Lane, Judy Lane, Moosberger Court and Cleos Court.	2,770,000	-	2,770,000	2005	2008	2010
S-6253	Under Const	1349-589	A project for the design and construction of 1,190 ft. of sewer to serve properties on Baltimore National Pike.	1,465,000	-	1,465,000	2007	2009	2010
S-6255			A project for the study and evaluation of Hammond Branch and Guilford Run sewer service areas.	425,000	-	425,000	2008	2008	2010
S-6257	Under Const	1341-601	A project for the design and construction of 1,400 ft. of sewer to serve eleven properties on Old Frederick Road in the vicinity of Marriottsville Road.	310,000	-	310,000	2006	2009	2009
S-6259		1292-608	A project to study the existing failing septic systems in the Lisbon area.	787,000	-	787,000	2007	2008	2008
S-6261	Under Const	1337-598	A project to provide sewer service to the Public Safety Training Center located adjacent to the Alpha Ridge Landfill.	1,170,000	-	1,170,000	2007	2009	2010
S-6262	0-5 Years	1346-571	A project to provide water and sewer service to properties along MD Route 108 east of Eliot's Oak Road.	595,000	-	595,000	2010	2010	2011
S-6263	0-5 Years	1338-541	A project to provide sewer service to one property along Scaggsville Road (MD 216) west of US Route 29.	285,000	-	285,000	2010	2011	2011
S-6266	0-5 years	1357-596	A project to provide water and sewer service to 2 properties along MD Route 99 at Tiller Drive.	240,000	-	240,000	2009	2009	2010
S-6267			A project to determine the water and sewer use patterns for residential and commercial properties within the Howard County Metropolitan District.	250,000	-	250,000	2008	2008	2010
S-6268			A project to protect and stabilize sewers in areas where stream and soil erosion have compromised the integrity of the sewer system to convey wastewater to the County's treatment facilities.	3,020,000	-	3,020,000	on-going	on-going	on-going
S-6270	0-5 Years	1358-572	Dalton Drive Sewer Extension						
S-6271	0-5 Years	1343-556	Cedar Lane Sewer Extension						
S-6272	0-5 Years	1391-567	Rockbum Hill Road Water Main Extension						
S-6273	0-5 years		Little Patuxent Interceptor Improvements						
S-6275	0-5 Years		Upper Little Patuxent Parallel Sewer						

IMMEDIATE, 5 YEAR, 10 YEAR AND COMPREHENSIVE PRIORITIES FOR SEWER SYSTEM DEVELOPMENT

Capital Project Number	County Priority Assigned	Coordinate Location	Description	Project Costs (\$)			Project Schedule		
				Total	PL660 Eligibility	Local	Prel Plans	Start Const.	Compl. Const.
S-6698			A project to design and construct routine sewer main extensions in the Metro District requested by landowners. - To serve existing dwellings in recorded residential subdivisions where sewer mains have not been constructed. - With existing dwellings or businesses on failing private systems as identified by the County Health Department. - To serve parcels with existing dwellings. These routine extensions must also meet the following: - A written request has been made by a property owner who is without a sewer main fronting their property. - Properties to be served must abut County or State road. - The extension is less than 1,000 feet. - The extension is a gravity sewer main and continue a sewer main currently in the service within the sewer shed. - It does not require acquisition of utility easements. - Capacity is available per section 18.122B County Code. - The extension is supported by a least 50% of the abutting property owners.	2,500,000	-	2,500,000	on-going	on-going	on-going
S-6707			A project to provide engineering service, inspection testing, inspector training, supplies and equipment including vehicles necessary for site inspection for the implementation of developer projects to make additions to the public water and sewer systems.	2,400,000	-	2,400,000		2007	2009
S-6809	Under Const.		A project to provide construction and inspection service to sites which do not require developer agreement but require 8" and larger sewer house connections and other sewer appurtenances.	100,000	-	100,000		2009	on-going
S-6859	Under Const.		A project to provide the construction of sewer house connections by the Bureau of Utilities for residential size (4" or 6") connections. These connections are made when new sewer house connection are required for lots or homes where none exists.	100,000	-	100,000		2009	on-going
S-6950			A program for the reimbursement to developers for construction of water and sewer house connections to existing lots outside of their subdivision.	130,000	-	130,000	on-going	on-going	on-going

	Scheduled Improvements
	0-5 years (2010)
	6-10 years (2015)
	11-15 years (2020)

Immediate, 5 Year, 10 Year and Comprehensive Priorities for Sewer System Development



Legend

Existing Force Main

Existing Sewer Line

Planned Force Main

Planned Sewer Line

Sewersheds

PS 108

Patapsco

Patuxent

Sewer Facilities

Existing Pump Station

Planned Pump Station

Existing Treatment Plant

Existing but Decommissioned Treatment Plant

Sub-Drainage Areas

Sub-Drainage Area

Improvements

Scheduled Improvements

Comprehensive Improvements

0 - 5 years (2010)

6 - 10 years (2015)

January 2009 Amendments

#. Pump Station/Treatment Plant	11. COLLEGE AVE (2)	22. ILCHESTER	33. OLD LANDING
1. ALLENFORD	12. DANIELS (1)	23. KERGER ROAD	34. PATAPSCO
2. ANNAPOLIS JUNCTION	13. DANIELS (2)	24. LAWYER HILL (1)	35. PINE VALLEY
3. AUTUMN RIVER	14. DANIELS (3)	25. LAWYER HILL (2)	36. RESERVOIR OVERLOOK
4. CHAMBERLEA	15. DEEP RUN (1)	26. LITTLE PATUXENT WRP	37. ROCKBURN
5. CHERRY CREEK	16. DEEP RUN (2)	27. MEADOWRIDGE ROAD	38. ROUTE 108
6. CHERRY TREE FARMS	17. DORSEY RUN	28. MT. HEBRON	39. ROUTE 40
7. CHURCH AVE	18. FOREST HILL	29. NEW CUT ROAD	40. TOWER ACRES
8. CHURCH LANE	19. HOBSON'S CHOICE	30. NORTH LAUREL	41. VALLEY LANE
9. COLLEGE AVE	20. HOLLIFIELD	31. NOTTINGHAM WAY	42. WAVERLY
10. COLLEGE AVE (1)	21. ICE CRYSTAL	32. OLD FREDERICK ROAD	43. WILLOWS

WATER FACILITY MAP REVISION
January 2009

MAP REVISION CODE NUMBER	TAX MAP NUMBER	SUBDIVISION OR OWNER NAME	SECTION/AREA BLOCK/LOTS/PARCELS	PROPOSED REVISION	REVISION JUSTIFICATION
W-1	17	HOLLIFIELD HILLS	PAR 42, LOTS 1-47, PAR 18, 42, LOTS 1-47.	0-5 TO EXISTING	F-06-050 PLAT RECORDED (SINGLE FAMILY DETACHED)
W-2	17	MILLERS MILL WOODS	PARS 44 & 47, .	0-5 & EXISTING TO EXISTING	F-07-073 PLAT RECORDED (SINGLE FAMILY DETACHED)
W-3	18	SERIO ESTATES	PAR 59, LOTS 1-8 & OS LOTS 9 & 10.	0-5 TO EXISTING	F-07-075 PLAT RECORDED (SINGLE FAMILY DETACHED)
W-4	24	THE WOODS OF TIBER BRANCH II	PARS 264 & 811, PH II, LOTS 15- 21, OS LOT 23, LOTS 27-28.	0-5 & EXISTING TO EXISTING	F-08-176 PLAT RECORDED (SINGLE FAMILY DETACHED)
W-5	35	TROTTER FIELDS	PAR 11, LOTS 1-4.	0-5 TO EXISTING	F-08-043 PLAT RECORDED (SINGLE FAMILY DETACHED)
W-6	35	TROTTER CROSSING	PAR 6, LOTS 1-13.	0-5 TO EXISTING	F-05-067 PLAT RECORDED (SINGLE FAMILY DETACHED)
W-7	37, 38	THE LEGACY AT DUCKETT'S RIDGE	PAR 569, UNITS 1-52.	0-5 TO EXISTING	F-07-048 PLAT RECORDED (RESIDENTIAL, PARCEL)
W-8	41, 46	MAPLE LAWN FARMS	PAR 116.	0-5 TO EXISTING	F-08-054 PLAT RECORDED (RESIDENTIAL, PARCEL)
W-9	41	KINDLER OVERLOOK	PAR 385 & 395, LOTS 1-19 & OS LOT 20.	0-5 TO EXISTING	F-07-003 PLAT RECORDED (SINGLE FAMILY DETACHED)
W-10	42	NORDAU SUBDIVISION	PAR 133, SEC. E-3, LOT 10.	0-5 TO EXISTING	F-08-145 PLAT RECORDED (SINGLE FAMILY DETACHED)
W-11	42	NORDAU SUBDIVISION	PAR 135, LOT 9.	0-5 TO EXISTING	F-08-080 PLAT RECORDED (SINGLE FAMILY DETACHED)
W-12	42	NORDAU SUBDIVISION	PAR 367, SEC. E-3, LOT 8.	0-5 TO EXISTING	F-08-147 PLAT RECORDED (SINGLE FAMILY DETACHED)
W-13	42	NORDAU SUBDIVISION	PAR 368, SEC. E-3, LOT 7.	0-5 TO EXISTING	F-08-146 PLAT RECORDED (SINGLE FAMILY DETACHED)

WATER FACILITY MAP REVISION
January 2009

MAP REVISION CODE NUMBER	TAX MAP NUMBER	SUBDIVISION OR OWNER NAME	SECTION/AREA BLOCK/LOTS/PARCELS	PROPOSED REVISION	REVISION JUSTIFICATION
W-14	46	MAPLE LAWN FARMS	PAR 116, PAR. B-3, B-7 & B-10.	0-5 TO EXISTING	F-09-016 PLAT RECORDED (COMMERCIAL, PARCEL)
W-15	46	MAPLE LAWN FARMS	PAR 116, PAR. B-6 - B-11.	0-5 TO EXISTING	F-08-105 PLAT RECORDED (COMMERCIAL, PARCEL)
W-16	46	CHERRYTREE PARK	PAR 156, PAR. I & J.	0-5 & EXISTING TO EXISTING	F-08-170 PLAT RECORDED (RESIDENTIAL, PARCEL)
W-17	46, 47	MD & VA MILK PRODUCERS COOP. ASSN., INC.	PAR 2 & 163.	0-5 & EXISTING TO EXISTING	F-08-148 PLAT RECORDED (RESIDENTIAL, PARCEL)
W-18	47	EMERSON	PAR 1061, SEC. 3, AREA 4, PAR. A, LOT 1.	0-5 & EXISTING TO EXISTING	F-08-174 PLAT RECORDED (RESIDENTIAL, PARCEL)
W-19	47	EMERSON	PARS 462 & 837, SEC. 2, PH. 8B, PAR. A-D & OS LOT 1.	0-5 & EXISTING TO EXISTING	F-07-141 PLAT RECORDED (RESIDENTIAL, PARCEL)
W-20	47	EMERSON	PAR 837, OS LOT 1.	0-5 TO EXISTING	F-08-082 PLAT RECORDED (RESIDENTIAL, PARCEL)
W-21	48	SAVAGE TOWNE CENTRE	PARS 137 & 194, PAR. A-1 - A-6.	0-5 TO EXISTING	F-08-124 PLAT RECORDED (MIXED USE, PARCEL)
W-22	31	WILLIAM PERRY FISHER	PAR 584	ENTERED METRO DISTRICT	METRO. DISTRICT DECISION No. 8-2008
W-23	34	SANG WON AND MICHELLE LEE	PAR 39	ENTERED METRO DISTRICT	METRO. DISTRICT DECISION No. 7-2008
W-24	35	TROTTER CROSSING, LLC	PAR 6	ENTERED METRO DISTRICT	METRO. DISTRICT DECISION No. 9-2008
W-25	31	RALPH AND VERA BANEY TRUST BY RALPH R. BANEY, TRUSTEE VERAP. BANEY, TRUSTEE (DECEASED)	PAR 705, LOT 12.	ENTERED METRO DISTRICT	METRO. DISTRICT DECISION No. 10-2008

WATER FACILITY MAP REVISION
January 2009

MAP REVISION CODE NUMBER	TAX MAP NUMBER	SUBDIVISION OR OWNER NAME	SECTION/AREA BLOCK/LOTS/PARCELS	PROPOSED REVISION	REVISION JUSTIFICATION
W-26	34	MILDRED L. GRAHAM	PAR 115, LOT 11.	ENTERED METRO DISTRICT	METRO. DISTRICT DECISION No. 11-2008
W-27	35	HOWARD F., JR AND SHIRLEY ANN BANKES	PAR 260	ENTERED METRO DISTRICT	METRO. DISTRICT DECISION No. 12-2008

SEWER FACILITY MAP REVISION
January 2009

MAP REVISION CODE NUMBER	TAX MAP NUMBER	SUBDIVISION OR OWNER NAME	SECTION/AREA BLOCK/LOTS/PARCELS	PROPOSED REVISION	REVISION JUSTIFICATION
S-1	17	HOLLIFIELD HILLS	PAR 42, LOTS 1-47., PAR 18, 42, LOTS 1-47.	0-5 TO EXISTING	F-06-050 PLAT RECORDED (SINGLE FAMILY DETACHED)
S-2	17	MILLERS MILL WOODS	PARS 44 & 47.	0-5 & EXISTING TO EXISTING	F-07-073 PLAT RECORDED (SINGLE FAMILY DETACHED)
S-3	18	SERIO ESTATES	PAR 59, LOTS 1-8 & OS LOTS 9 & 10.	0-5 TO EXISTING	F-07-075 PLAT RECORDED (SINGLE FAMILY DETACHED)
S-4	24	THE WOODS OF TIBER BRANCH II	PARS 264 & 811, PH II, LOTS 15- 21, OS LOT 23, LOTS 27-28.	0-5 & EXISTING TO EXISTING	F-08-176 PLAT RECORDED (SINGLE FAMILY DETACHED)
S-5	35	TROTTER FIELDS	PAR 11, LOTS 1-4.	6-10 TO EXISTING	F-08-043 PLAT RECORDED (SINGLE FAMILY DETACHED)
S-6	35	TROTTER CROSSING	PAR 6, LOTS 1-13.	0-5 TO EXISTING	F-05-067 PLAT RECORDED (SINGLE FAMILY DETACHED)
S-7	37, 38	THE LEGACY AT DUCKETT'S RIDGE	PAR 569, UNITS 1-52.	0-5 TO EXISTING	F-07-048 PLAT RECORDED (RESIDENTIAL, PARCEL)
S-8	41, 46	MAPLE LAWN FARMS	PAR 116.	0-5 TO EXISTING	F-08-054 PLAT RECORDED (RESIDENTIAL, PARCEL)
S-9	42	NORDAU SUBDIVISION	PAR 133, SEC. E-3, LOT 10.	0-5 TO EXISTING	F-08-145 PLAT RECORDED (SINGLE FAMILY DETACHED)
S-10	42	NORDAU SUBDIVISION	PAR 135, LOT 9.	0-5 TO EXISTING	F-08-080 PLAT RECORDED (SINGLE FAMILY DETACHED)
S-11	42	NORDAU SUBDIVISION	PAR 367, SEC. E-3, LOT 8.	0-5 TO EXISTING	F-08-147 PLAT RECORDED (SINGLE FAMILY DETACHED)
S-12	42	NORDAU SUBDIVISION	PAR 368, SEC. E-3, LOT 7.	0-5 TO EXISTING	F-08-146 PLAT RECORDED (SINGLE FAMILY DETACHED)
S-13	46	MAPLE LAWN FARMS	PAR 116, PAR. B-3, B-7 & B-10.	0-5 TO EXISTING	F-09-016 PLAT RECORDED (COMMERCIAL, PARCEL)

SEWER FACILITY MAP REVISION
January 2009

MAP REVISION CODE NUMBER	TAX MAP NUMBER	SUBDIVISION OR OWNER NAME	SECTION/AREA BLOCK/LOTS/PARCELS	PROPOSED REVISION	REVISION JUSTIFICATION
S-14	46	MAPLE LAWN FARMS	PAR 116, PAR. B-6 - B-11.	0-5 TO EXISTING	F-08-105 PLAT RECORDED (COMMERCIAL, PARCEL)
S-15	46	CHERRYTREE PARK	PAR 156, PAR. I & J.	0-5 & EXISTING TO EXISTING	F-08-170 PLAT RECORDED (RESIDENTIAL, PARCEL)
S-16	46, 47	MD & VA MILK PRODUCERS COOP. ASSN., INC.	PAR 2 & 163.	0-5 & EXISTING TO EXISTING	F-08-148 PLAT RECORDED (RESIDENTIAL, PARCEL)
S-17	47	EMERSON	PAR 1061, SEC. 3, AREA 4, PAR. A, LOT 1.	0-5 & EXISTING TO EXISTING	F-08-174 PLAT RECORDED (RESIDENTIAL, PARCEL)
S-18	47	EMERSON	PARS 462 & 837, SEC. 2, PH. 8B, PAR. A-D & OS LOT 1.	0-5 & EXISTING TO EXISTING	F-07-141 PLAT RECORDED (RESIDENTIAL, PARCEL)
S-19	47	EMERSON	PAR 837, OS LOT 1.	0-5 TO EXISTING	F-08-082 PLAT RECORDED (RESIDENTIAL, PARCEL)
S-20	48	SAVAGE TOWNE CENTRE	PARS 137 & 194, PAR. A-1 - A-6.	0-5 TO EXISTING	F-08-124 PLAT RECORDED (MIXED USE, PARCEL)
S-21	31	WILLIAM PERRY FISHER	PAR 584	ENTERED METRO DISTRICT COMPREHENSIVE TO 0-5	METRO. DISTRICT DECISION No. 8-2008
S-22	34	SANG WON AND MICHELLE LEE	PAR 39	ENTERED METRO DISTRICT	METRO. DISTRICT DECISION No. 7-2008
S-23	35	TROTTER CROSSING, LLC	PAR 6	ENTERED METRO DISTRICT	METRO. DISTRICT DECISION No. 9-2008
S-24	31	RALPH AND VERA BANEY TRUST BY RALPH R. BANEY, TRUSTEE VERAP. BANEY, TRUSTEE (DECEASED)	PAR 705, LOT 12.	ENTERED METRO DISTRICT	METRO. DISTRICT DECISION No. 10-2008
S-25	34	MILDRED L. GRAHAM	PAR 115, LOT 11.	ENTERED METRO DISTRICT	METRO. DISTRICT DECISION No. 11-2008

SEWER FACILITY MAP REVISION
January 2009

MAP REVISION CODE NUMBER	TAX MAP NUMBER	SUBDIVISION OR OWNER NAME	SECTION/AREA BLOCK/LOTS/PARCELS	PROPOSED REVISION	REVISION JUSTIFICATION
S-26	35	HOWARD F., JR AND SHIRLEY ANN BANKES	PAR 260	ENTERED METRO DISTRICT 6-10 TO 0-5	METRO. DISTRICT DECISION No. 12-2008

MATCH LINE SEE SHEET - S2

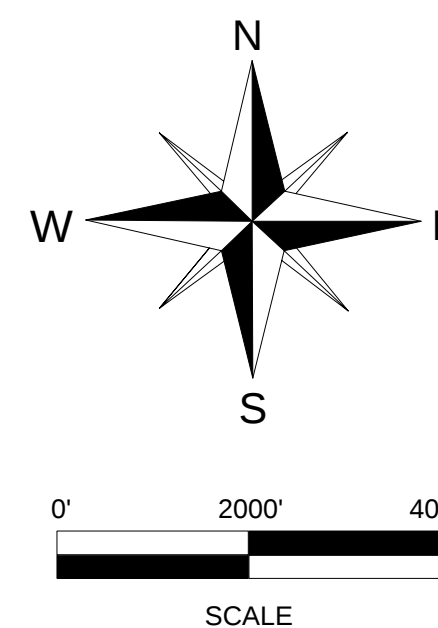
E 1330

E 1346

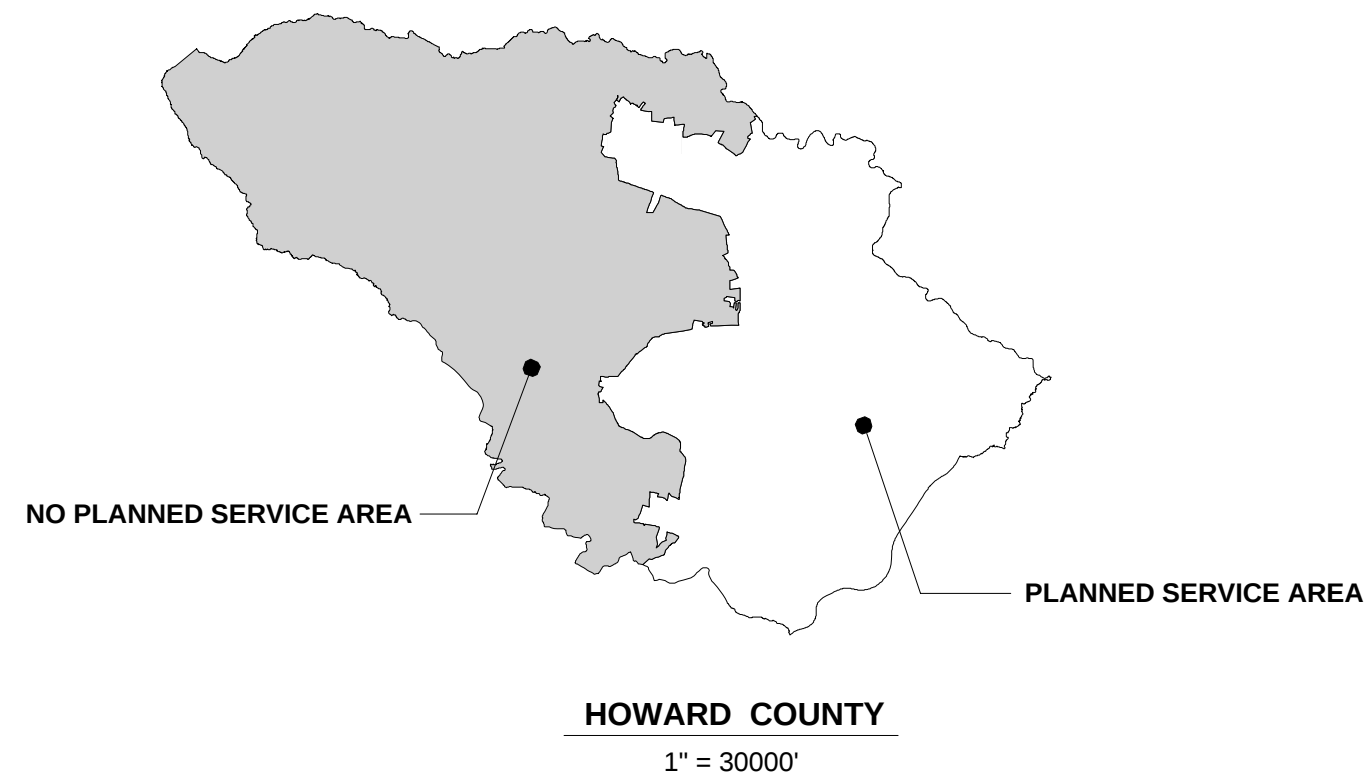
HOWARD COUNTY

MASTER PLAN FOR WATER AND SEWER

SEWER



DATE: JULY 2008



N 613

E 1336

N 613

N 601

E 1384

N 601

N 589

N 589

N 577

N 577

N 565

N 565

N 553

N 553

N 541

N 541

N 529

E 1384

N 529

E 1330

E 1346

E 1336

N 529



MATCH LINE SEE SHEET - S2

Riverside Estates

E 1346

E 1336

N 529

NOTE: BASE MAP DEVELOPED BASED ON HOWARD COUNTY TAX MAPS

SEWER FACILITIES PLAN LEGEND

SERVICE AREAS

EXISTING AND UNDER CONSTRUCTION	
0 to 5 YEARS	
5 to 10 YEARS	
COMPREHENSIVE	
PARKS AND OPEN SPACE	
NO PLANNED SERVICE AREA	
MARRIOTTVILLE AREA (NO PLANNED SEWER SERVICE AREA)	

FACILITIES

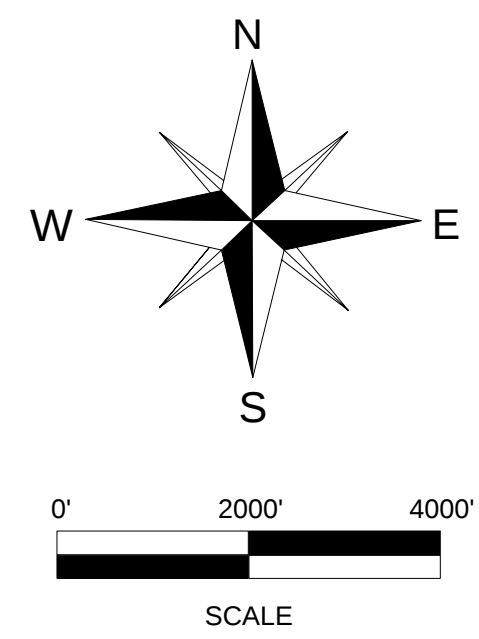
	EXISTING	PLANNED
SEWER MAINS		
FORCE MAINS		
TREATMENT PLANTS		
PUMPING STATIONS		
SHARED SEWAGE DISPOSAL AREA		
METROPOLITAN DISTRICT		

REVISION	DESCRIPTION	DATE
1	JANUARY 2009 AMENDMENT	1/2009

HOWARD COUNTY

MASTER PLAN FOR WATER AND SEWER

WATER



DATE: JULY 2008

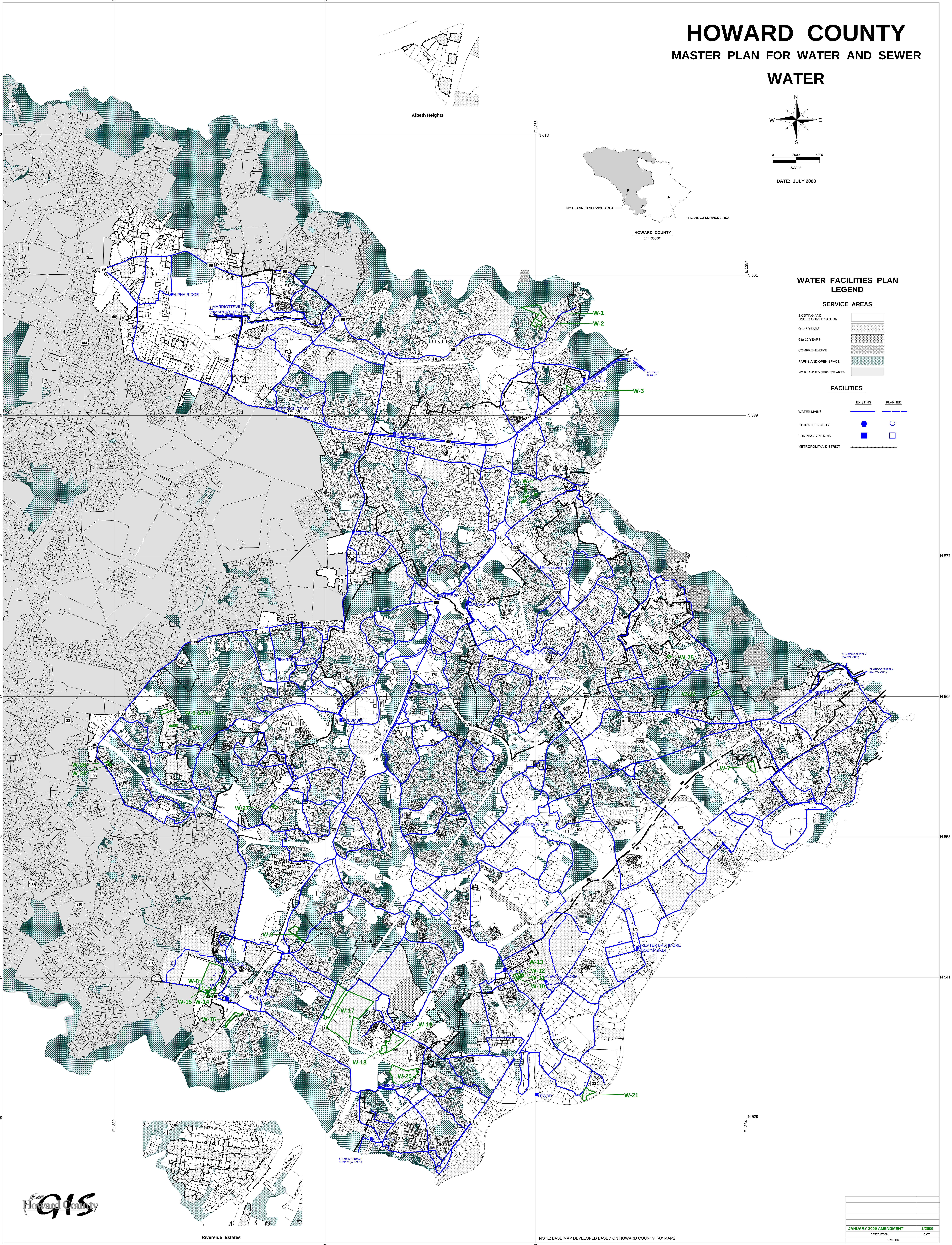
WATER FACILITIES PLAN LEGEND

SERVICE AREAS

EXISTING AND UNDER CONSTRUCTION	
0 to 5 YEARS	
6 to 10 YEARS	
COMPREHENSIVE	
PARKS AND OPEN SPACE	
NO PLANNED SERVICE AREA	

FACILITIES

	EXISTING	PLANNED
WATER MAINS		
STORAGE FACILITY		
PUMPING STATIONS		
METROPOLITAN DISTRICT		



DESCRIPTION	DATE
JANUARY 2009 AMENDMENT	1/2009
REVISION	

NOTE: BASE MAP DEVELOPED BASED ON HOWARD COUNTY TAX MAPS