

**Table 6
SUMMARY OF PLANNED WATER SUPPLY IMPROVEMENTS**

Location	Description
Artesian - Carpenters Point Water Company	Interconnection with Mountain Hill & Charlestown water systems; Additional wells.
Artesian - Pine Hills	Interconnection with another source of supply at Oldfield Road (Cooke parcel)
Artesian - Port Deposit	Plant expansion, relocate Booster Station, construct new facilities
Bay Country Estates (MHS)	Steady Expansion of Supply (New well(s))
Board of Education Elk Neck Elementary Conowingo Elementary Cecil Manor Elementary Bainbridge Elementary	New Well Expansion Expansion Expansion
Cecilton	Installation of water main to serve West View Shores and surrounding communities (see Appendix M).
Cecilton Manor (MHS)	Slight Expansion
Charlestown	Additional facilities upon the build out of the Cool Springs subdivision; Interconnection with Carpenters Point (Artesian) water system.
Chesapeake City	Extension of water service to Chesapeake City Volunteer Fire Company's Station 12 (2859 Augustine Herman Hwy), Paramedic 3 (2865 Augustine Herman Hwy), and the Chesapeake Blues, LLC shopping center (2842-2860 Augustine Herman Hwy)
Chestnut Point Estates	A new water treatment facility will be constructed to serve the proposed Chestnut Point Estates manufactured home community.
Elkton	Well house improvements for Wells 2R, 5, and Well 4 (Southside property).
Forest Green Court	8000 Gallon Storage Tank
Forest View Village	Double Water Supply
Morning Cheer (Sandy Cove)	Increase Water Supply
Mountain Hill Water Company	Interconnection with Carpenters Point & Charlestown water systems; Additional wells
North East	Construction of new storage tank and booster pump station to serve Zone 3; Future expansion (third filter unit) at Rolling Mill WTP
Perryville	Increase Capacity of Susquehanna WTP
Rising Sun	Additional water supply via connection to Chester Water Authority; Replacement of aging existing lines; Construction of additional water storage tank
Veteran's Administration (Perry Point)	The Perry Point VA Hospital plans to renovate the existing community water treatment system.
Whispering Pines Manuf. Home Park	Replace Old Water Lines & Meter Individual Units
Williams Manuf. Home Park	Expand Water Supply System (New Wells) or Connect to Perryville Distribution System
Woodlands R.V. Camping Resort	New Well

Note: See Table 14 for a summary of other planned improvements for water systems owned by Artesian Water Maryland.

Table 14

Immediate, 5 and 10 Year Priorities for Water Development - Artesian Water Maryland System
[intended to serve as a supplement to "Table No. 6" as required by COMAR 26.03.01.04(E)(5)]

Port Deposit Section to be Replaced with Following

Fiscal Year and Project Number	County Priority Assigned	Coordinate Location	Description	Estimated Costs*			Project Status Construction Start	
				Total	Federal and/or State	Local	Immediate Priority Projects	5 and 10 Year Period Projects
Port Deposit								
2016	n/a	Port Deposit	Expansion of Existing WTP to 1.1 MGD	n/a	\$0.00	\$0.00	2016 - 2017	
2016	n/a	Bainbridge	Construct new pump station and tank complex at Bainbridge	n/a	\$0.00	\$0.00	2016 - 2017	
2017	n/a	Bainbridge	Construct Bainbridge WTP	n/a	\$0.00	\$0.00	2017 - 2018	
2017	n/a	Port Deposit	Upgrade Intake from Susquehanna	n/a	\$0.00	\$0.00	2017 - 2018	
2017	n/a	Port Deposit	Convert existing treatment plant to pump station	n/a	\$0.00	\$0.00	2017 - 2018	
2017	n/a	Port Deposit	20" Raw water main rehabilitation and/or replacement	n/a	\$0.00	\$0.00	2017 - 2018	

Table 15 - Artesian Water Maryland - Projected Water Supply Demands and Planned Capacity

Service Area	2030							
	Population			Demand		Planned Capacity (AVG GPD)		
	Total	Served	Unserved	Average (GPD)	Peak (GPD)	MD Sources	Out-of-State Sources	Total
Meadowview / Elkton West	8,176	7,976	200	1,020,883	1,531,324	300,000	3,966,575	4,266,575
Pine Hills	1,737	1,687	50	109,628	164,442	365,000		356,000
Harbor View	340	340	0	26,000	39,000	50,000		60,000
Mt. Hill / Carpenters Pt.	2,014	1,714	300	671,432	1,007,148	1,500,000		2,000,000
Port Deposit (d)		798		7.7 MGD	8.5 MGD	10.0 MGD		10.0 MGD

(d) Projected new 1.0 MGD industrial demand

Service Area	2035							
	Population			Demand		Planned Capacity (AVG GPD)		
	Total	Served	Unserved	Average (GPD)	Peak (GPD)	MD Sources	Out-of-State Sources	Total
Meadowview / Elkton West	8,997	8,797	200	1,126,034	1,689,053	300,000	3,966,575	4,266,575
Pine Hills	2,050	2,000	50	130,000	195,000	365,000		356,000
Harbor View	340	340	0	26,000	39,000	50,000		60,000
Mt. Hill / Carpenters Pt.*	2,529	2,229	300	722,861	1,084,292	1,500,000		2,000,000
Port Deposit		878		7.8 MGD	8.6 MGD	10.0 MGD		10.0 MGD

Service Area	2040							
	Population			Demand		Planned Capacity (AVG GPD)		
	Total	Served	Unserved	Average (GPD)	Peak (GPD)	MD Sources	Out-of-State Sources	Total
Meadowview / Elkton West	9,903	9,703	200	1,242,015	1,869,023	300,000	3,966,575	4,266,575
Pine Hills	2,250	2,200	50	143,000	214,500	365,000		356,000
Harbor View	352	352	0	27,000	40,500	50,000		60,000
Mt. Hill / Carpenters Pt.*	3,197	2,897	300	789,720	1,184,580	2,000,000		2,000,000
Port Deposit		958		7.8 MGD	8.7 MGD	10.0 MGD		10.0 MGD

* When the well capacity is not sufficient, a pipeline will be constructed from Port Deposit to the Mt Hill area for additional supply.

Table 15 - Artesian Water Maryland - Projected Water Supply Demands and Planned Capacity

Service Area	2010 Actual							
	Population			Demand		Planned Capacity (AVG GPD)		
	Total	Served	Unserved	Average (GPD)	Peak (GPD)	MD Sources	Out-of-State Sources	Total
Meadowview / Elkton West	4,608	4,408	200	440,800	661,200	185,000	1,500,000	1,685,000
Pine Hills	788	738	50	59,040	88,560	165,000		165,000
Harbor View	233	233	0	18,640	27,960	50,000		50,000
Mt. Hill / Carpenters Pt.	863	512	351	51,200	76,800	345,000		345,000
Port Deposit	688	688	0	68,750	103,125	700,000		700,000

Service Area	2015							
	Population			Demand		Planned Capacity (AVG GPD)		
	Total	Served	Unserved	Average (GPD)	Peak (GPD)	MD Sources	Out-of-State Sources	Total
Meadowview / Elkton West	3,580	3,380	200	430,000	645,000	300,000	3,966,575	4,266,575
Pine Hills	990	940	50	60,000	90,000	165,000		165,000
Harbor View	324	324	0	25,000	37,500	50,000		50,000
Mt. Hill / Carpenters Pt.	1,080	780	300	65,000	97,500	345,000		345,000
Port Deposit		653		69,205	103,808	700,000		700,000

Service Area	2020							
	Population			Demand		Planned Capacity (AVG GPD)		
	Total	Served	Unserved	Average (GPD)	Peak (GPD)	MD Sources	Out-of-State Sources	Total
Meadowview / Elkton West	6,592	6,392	200	818,219	1,227,329	300,000	3,966,575	4,266,575
Pine Hills	1,039	987	50	64,128	96,192	165,000		165,000
Harbor View	326	326	0	25,000	37,500	50,000		50,000
Mt. Hill / Carpenters Pt. (1)	1,314	1,014	300	601,439	902,159	1,500,000		1,500,000
Port Deposit (2)		665		4.2 MGD	5.0 MGD	6,250,000		6,250,000

(1) Projected 500,000 gpd new industrial demand. (2) Projected 4.0 MGD industrial demand

Service Area	2025							
	Population			Demand		Planned Capacity (AVG GPD)		
	Total	Served	Unserved	Average (GPD)	Peak (GPD)	MD Sources	Out-of-State Sources	Total
Meadowview / Elkton West	7,340	7,140	200	913,951	1,370,926	300,000	3,966,575	4,266,575
Pine Hills	1,237	1,187	50	77,128	115,692	165,000		165,000
Harbor View	326	326	0	25,000	37,500	50,000		50,000
Mt. Hill / Carpenters Pt.	1,619	1,319	300	631,871	947,808	1,500,000		1,500,000
Port Deposit (3)		732		6.7 MGD	7.5 MGD	9,375,000		9,375,000

(3) Projected 7.5 MGD industrial demand

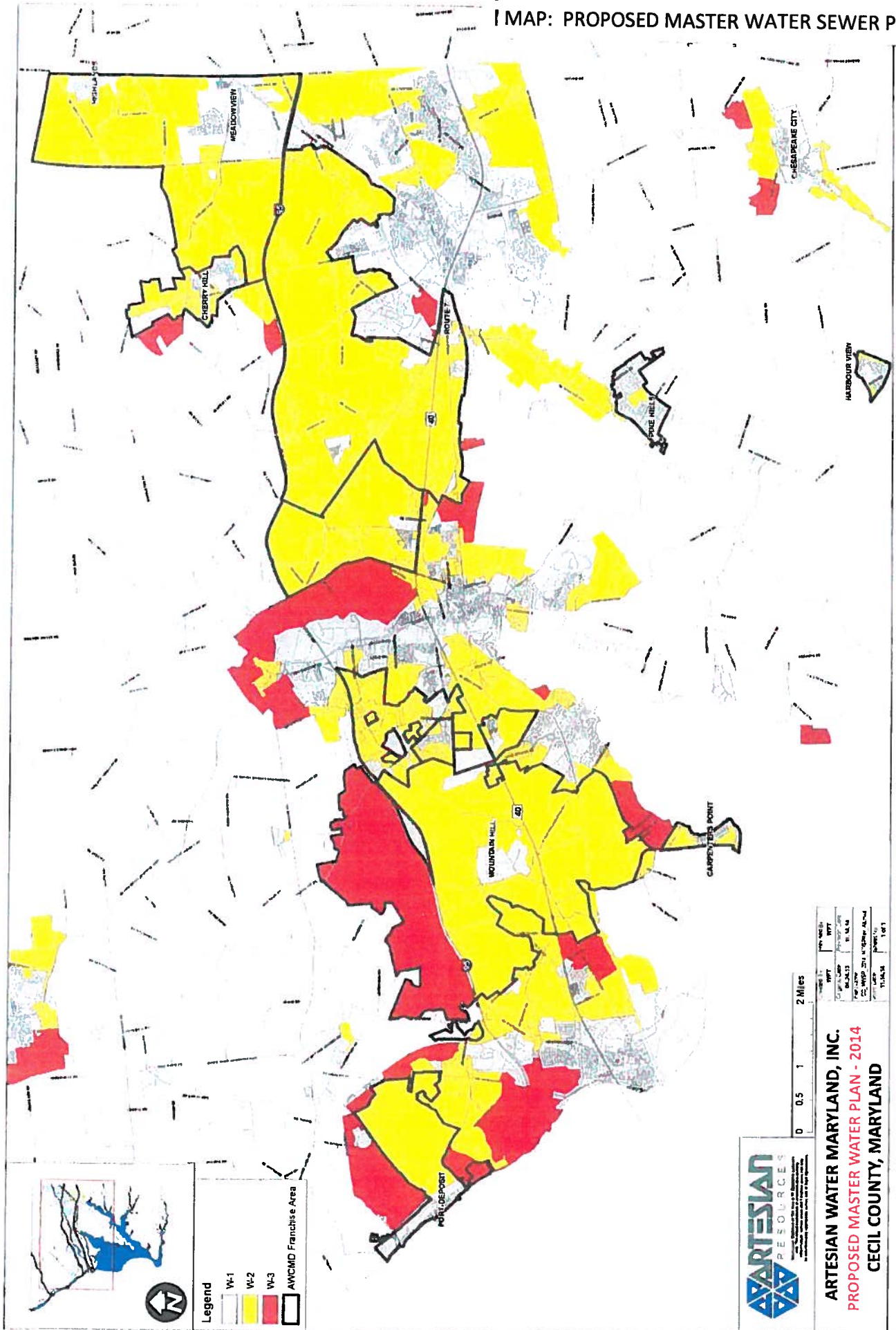
Table 17
ARTESIAN WATER MARYLAND - COMMUNITY WATER SYSTEMS - EXISTING TREATMENT FACILITIES
[intended to serve as a supplement to Table 2 as required by COMAR 26.03.01.04(E)(3)]

System	Owner	Water Source	Type Treatment	Plant Location (Coordinates)	Rated Plant Capacity (MGD)	Average Plant Capacity (MGD)	Max Peak Flow (MGD)	Storage Capacity	Planned Expansion (MGD) Dates	Method of Sludge Disposal	Operating Agency
Pine Hills	Artesian Water Maryland	Three Wells	Disinfection, pH adjustment, and corrosion inhibitor	N691035.107 E1626348.21	0.191	0.165	0.191	200,000 gallon standpipe	n/a	n/a	Artesian Water Maryland
Harbor View	Artesian Water Maryland	Three Wells	Disinfection, pH adjustment, and corrosion inhibitor	N6730006.83 E1630027.809	0.07	0.05	0.07	2 -5,000 gallon hydropneumatic tanks	n/a	n/a	Artesian Water Maryland
Meadowview	Artesian Water Maryland	Two Wells with AWC (3.0 MGD) and United (back-up) interconnections	Disinfection, pH adjustment, and corrosion inhibitor	N725965.787 E1651090.036	0.185	0.185	0.275	800,000 gallon tank	2015	n/a	Artesian Water Maryland
Mountain Hill	Artesian Water Maryland	Three Wells	Disinfection, pH adjustment, and corrosion inhibitor	N697722.3645 E1594640.7406	0.4	0.4	0.4	500,000 gallon elevated tank	1.0 (2018)	n/a	Artesian Water Maryland
Carpenters Point	Artesian Water Maryland	Three Wells	Disinfection, pH adjustment, and corrosion inhibitor	N685641.656 E1592115.972	0.25	0.25	0.25	75,000 gallon elevated tank	1.0 (2018)	n/a	Artesian Water Maryland
Port Deposit	Artesian Water Maryland	Susquehanna River	Disinfection, pH adjustment, and corrosion inhibitor	N710374.034 E1558324.812	0.86	0.1	0.86	500,000 gallon elevated tank	↑	n/a	Artesian Water Maryland

1.1 MGD Treatment - 2016 - 2017

10 MG Storage - 2016 - 2017

1.0 + MGD Treatment - 2017 - 2018



Legend

- W-1
- W-2
- W-3
- AWCMD Franchise Area

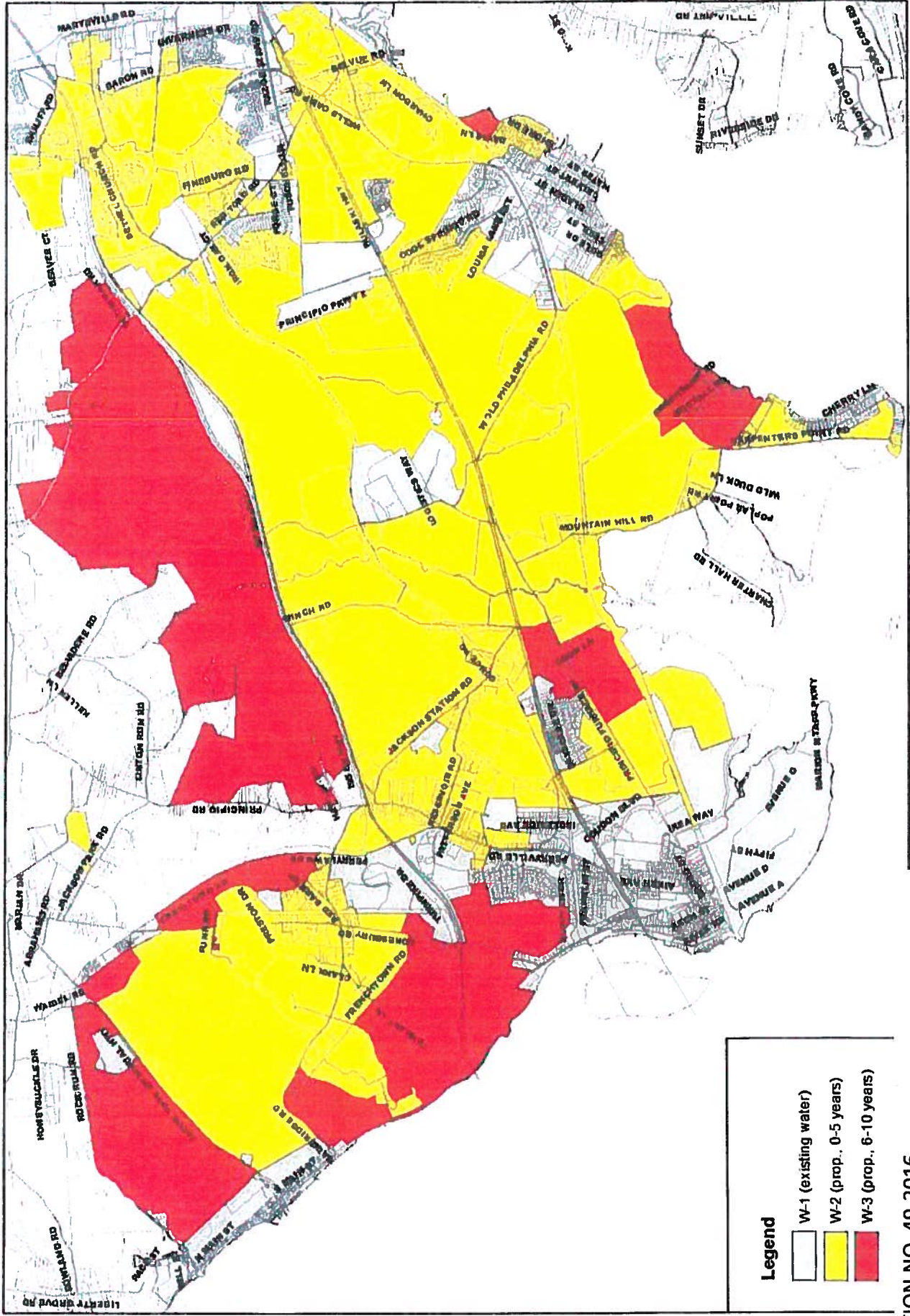


ARTESIAN WATER MARYLAND, INC.
PROPOSED MASTER WATER PLAN - 2014
CECIL COUNTY, MARYLAND

DATE	BY	REVISED	BY
11/14/14	11/14/14	11/14/14	11/14/14
11/14/14	11/14/14	11/14/14	11/14/14
11/14/14	11/14/14	11/14/14	11/14/14



Master Water Plan - Water Service Districts Artesian (Port Deposit, Mountain Hill, Carpenters Point) and Perryville

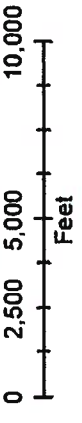


Legend

- W-1 (existing water)
- W-2 (prop., 0-5 years)
- W-3 (prop., 6-10 years)

RESOLUTION NO. 49-2016
APPENDIX F

MAP: MASTER WATER SEWER PLAN-WATER SERVICE DISTRICTS, ARTESIAN (PORT DEPOSIT, MOUNTAIN HILL,



April 12, 2016