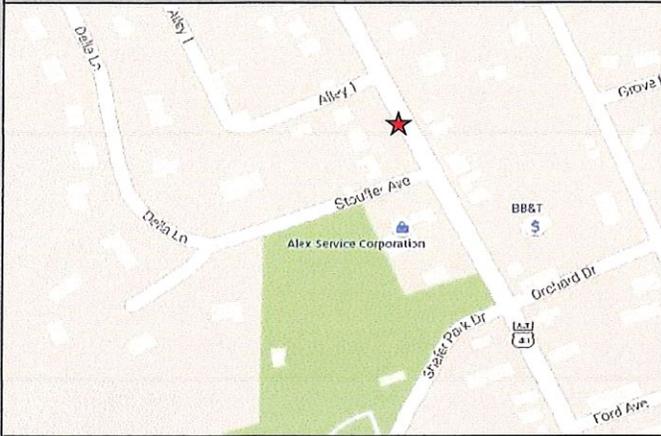


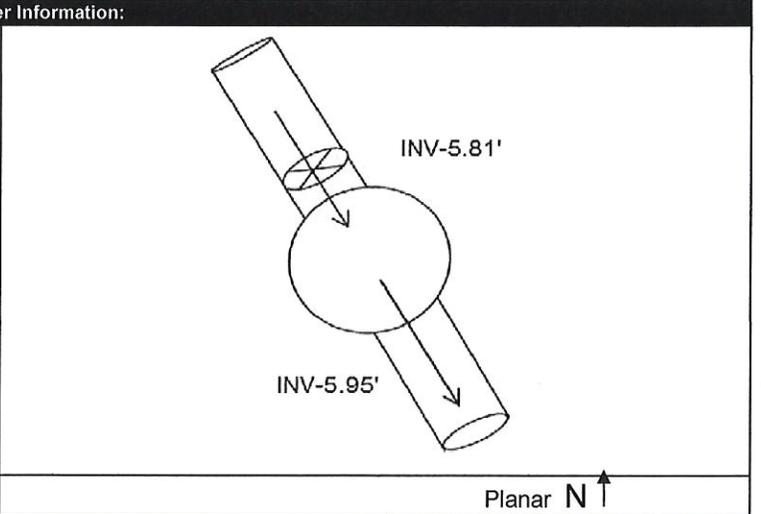
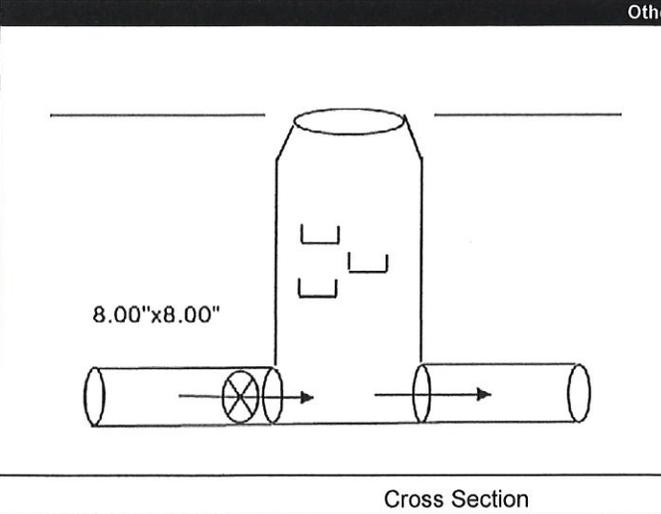
Project Name: Boonsboro		City/State: Boonsboro, MD 21713		FM Initials: JD	
Site Name: MH54A		Monitor Series: Triton+		Monitor S/N#: 52917	
Address / Location: 308 N Main St		Manhole #: MH54A		GPS(Dec.Deg.): 39.510936, -77.654776	
Access: Drive		Type of System:		Pipe Height: 8.00"	
		Sanitary <input checked="" type="checkbox"/>		Pipe Width: 8.00"	
		Storm <input type="checkbox"/>		TCP/IP: 166.213.163.46	
		Combined <input type="checkbox"/>			



Access Map N ↑

Site Map N ↑

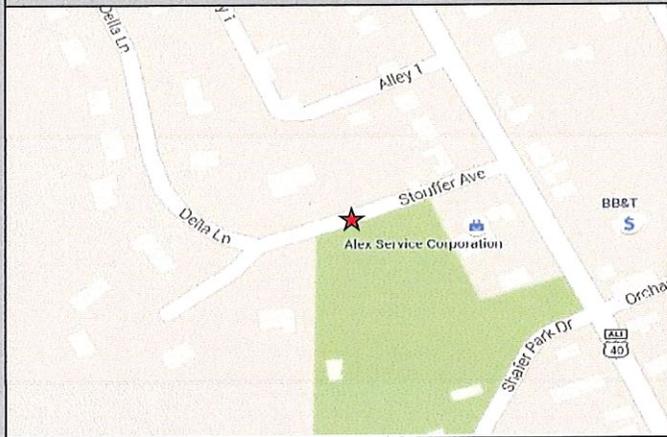
Investigation Information:			Manhole Information:			
Date/Time of Investigation:	4/5/16 12:50 PM		Manhole Depth:	5.89 Feet		
Site Hydraulics:	shallow, slow flow		Manhole Material / Condition:	Concrete Fair		
Upstream Input: (L/S, P/S)	unknown		Pipe Material / Condition:	Vetrified Clay Pipe Fair		
Upstream Manhole:	DNI		Mini System Character:	Residential	Commercial	Industrial
Downstream Manhole:	DNI			X		Other
			Wireless Information: -90 dbm			
Depth of Flow (Wet Dof):	1.75	+/-	Cell tower #:	unknown		
Range (Air Dof):			Distance From Manhole:	unknown		
Peak Velocity:	1.30	fps	Road Cut/Trench Length:	NA	Feet	
Silt:	0.00	Inches	Antenna type/ext:	mini-wing	asphalt	



Installation Information		Backup	Yes	No	?	Distance
Installation Type:	Standard Ring and crank	Trunk		X		
Sensors / Devices:	CS4 0-5 PSI and CS5	Lift/Pump Station		X		
Surcharge Height:	0 Feet	WWTP		X		
Rain Gauge Zone:		Other		X		

Additional Site Information / Comments:

Project Name: Boonsboro		City/State: Boonsboro, MD 21713		FM Initials: JD	
Site Name: MH51		Monitor Series: Triton+		Monitor S/N#: 52927	
Address / Location: 5 Stouffer Ave		Manhole #: MH51		GPS(Dec.Deg.): 39.510162, -77.655168	
Access: Drive		Type of System: <input checked="" type="checkbox"/> Sanitary <input type="checkbox"/> Storm <input type="checkbox"/> Combined		Pipe Height: 8.00"	
				Pipe Width: 8.00"	
				TCP/IP: 107.80.17.107	

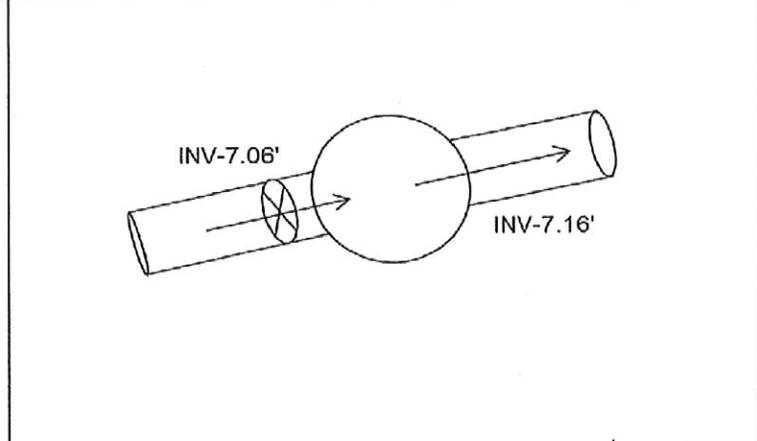
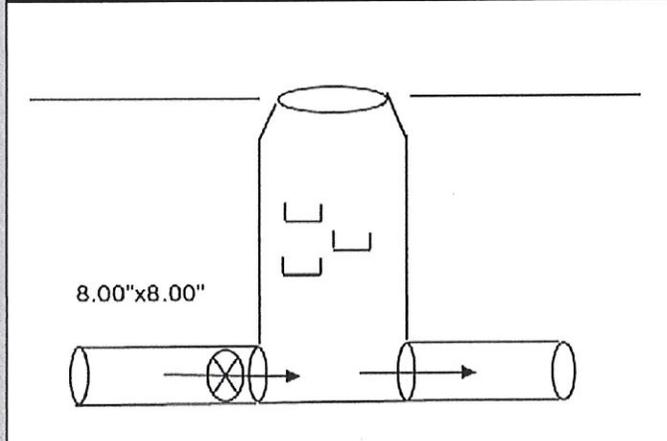


Access Map N ↑

Site Map N ↑

Investigation Information:		Manhole Information:			
Date/Time of Investigation:	4/5/16 1:00 PM	Manhole Depth:	7.06	Feet	
Site Hydraulics:	Very shallow, slow flow	Manhole Material / Condition:	Concrete	Fair	
Upstream Input: (L/S, P/S)	unknown	Pipe Material / Condition:	Vetrified Clay Pipe	Fair	
Upstream Manhole:	DNI	Mini System Character:	Residential X	Commercial	Industrial Other
Downstream Manhole:	DNI	Wireless Information: -90 dbm			
Depth of Flow (Wet Dof):	0.50 +/-	Cell tower #:	unknown		
Range (Air Dof):	+/-	Distance From Manhole:	unknown		
Peak Velocity:	0.80 fps	Road Cut/Trench Length:	NA	Feet	
Silt:	0.00 Inches	Antenna type/ext:	mini-wing	asphalt	

Other Information:



Cross Section

Planar N ↑

Installation Information		Backup	Yes	No	?	Distance
Installation Type:	Standard Ring and Crank	Trunk		X		
Sensors / Devices:	CS4 0-5 PSI and CS5	Lift/Pump Station		X		
Surcharge Height:	2 Feet	WWTP		X		
Rain Gauge Zone:		Other		X		

Additional Site Information / Comments:

Flow Monitoring Site Safety Plan

Project Name:	Boonesboro	Site ID:	MH51	Site Classification(see below)	1
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* Hazards found at this site (Discuss Checked items below)

Type	#	Specific Hazard	
Communic	1	The site is in a communications "Dead-Zone"	<input type="checkbox"/>
	2	The site is located in or adjacent to an intersection	<input type="checkbox"/>
Traffic	3	The site is located on a hill, curve, or where motorists visibility of the site or other vehicles is reduced	<input type="checkbox"/>
	4	The site is located in a high speed (>45 MPH) or high density roadway	<input type="checkbox"/>
	5	Site traffic is congested at peak hours	<input type="checkbox"/>
Access	6	Site has access obstacles (rough terrain, fences, deep easement, etc.)	<input type="checkbox"/>
Worksite	7	Worksite contains hazards (terrain, slope, obstructions, etc.)	<input type="checkbox"/>
	8	Elevated work requiring a ladder / work near an unguarded edge. Raised manhole (indicate height below)	<input type="checkbox"/>
	9	Pedestrian control necessary as the site is located in or near a walkway, school, playground, etc.	<input type="checkbox"/>
	10	Work may be performed during darkness; requiring additional site lighting	<input type="checkbox"/>
	11	Site is located in a high crime area (check with client & local authorities if unsure)	<input type="checkbox"/>
Confined Space	12	Confined Space does not have useable rungs	<input type="checkbox"/>
	13	Confined Space depth is greater than 50 feet	<input type="checkbox"/>
	14	Confined Space has internal platforms, weirs or other obstructions that interfere with or prevent unobstructed vertical retrieval	<input type="checkbox"/>
	15	Work requires lateral movement that would interfere with or prevent unobstructed vertical retrieval	<input type="checkbox"/>
	16	Flow is hazardous due to depth, velocity, pipe diameter, or is industrial process flow	<input type="checkbox"/>
	17	Confined Space subject to surcharge during/after a rain event	<input type="checkbox"/>
	18	CO, H2S, low O2 or other toxic/flammable gases present or anticipated	<input type="checkbox"/>
	19	Confined Space has active drop connections	<input type="checkbox"/>

* Hazards found at this site (Discuss Checked items below)

	Class	Description
1	1	2-person crew. Standard procedures and equipment. No special requirements
	2	Worksite (non-traffic) with access obstacles and or worksite hazards
	3	Traffic site requiring special scheduling, additional personnel and/or traffic control equipment, or outsourcing
	4	Confined Space Entry requiring special scheduling, additional personnel and/or safety equipment
	5	Special Operation requiring a separate safety plan. <i>Must be approved by Corporate Safety Manager</i>

* Site Specific Safety Requirements, Must Complete for any site Class 2 & Above

(attach additional sheet if necessary)

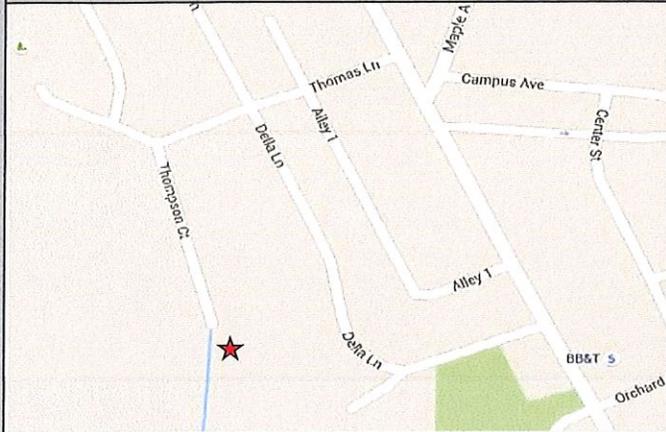
TRAFFIC CONTROL PLAN

Note: All worksites located in a roadway or immediately adjacent to a roadway where the operation may impede the normal flow of traffic are required to have a Traffic Control Plan. Standard Traffic Control Plans are to be carried in the vehicle and referred to when setting up the worksite. Special Traffic Control Plans are to be developed when required by clients or regulating agencies or when a standard Traffic Control Plan is not sufficient to control traffic at the worksite.

X This worksite does NOT require a traffic control plan
 Standard Traffic Control Plan is to be used at this worksite
 This site requires a special Traffic Control Plan which is attached

Approved Field Mgr Jacob Deaner	Reviewed Project Mgr Name: Darin Fife
Signature: _____	Signature: _____
Date: 4/5/2016	Date: 4/5/2016

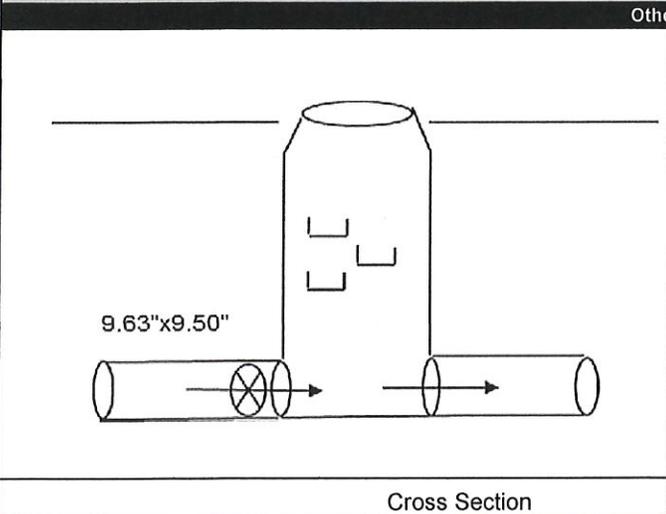
Project Name: Boonsboro		City/State: Boonsboro, MD 21713		FM Initials: JD	
Site Name: MH45		Monitor Series: Triton+		Monitor S/N#: 52920	
Address / Location: 1 Thompson Ct		Manhole #: MH45		GPS(Dec.Deg.): 39.510102, -77.657842	
Access: Walk 20' south of Court		Type of System: <input checked="" type="checkbox"/> Sanitary <input type="checkbox"/> Storm <input type="checkbox"/> Combined		Pipe Height: 9.63"	
				Pipe Width: 9.50"	
				TCP/IP: 107.80.17.118	



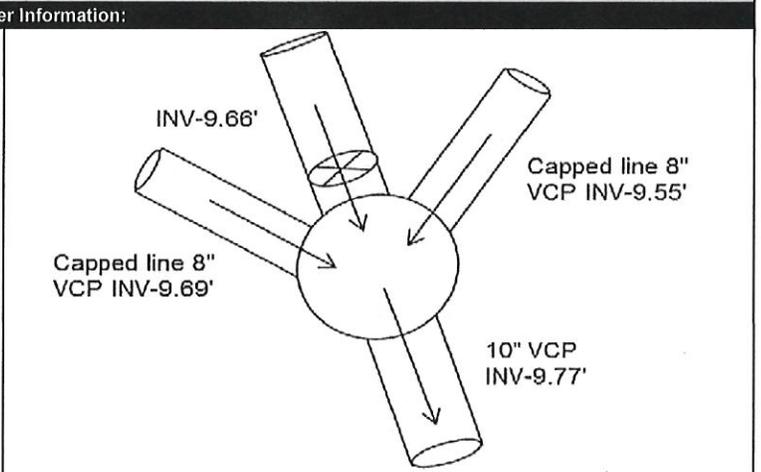
Access Map N ↑

Site Map N ↑

Investigation Information:			Manhole Information:				
Date/Time of Investigation:	4/5/16 1:40 PM		Manhole Depth:	9.66		Feet	
Site Hydraulics:	fast/laminar flow		Manhole Material / Condition:	Concrete		Fair	
Upstream Input: (L/S, P/S)	unknown		Pipe Material / Condition:	Vetrified Clay Pipe		Fair	
Upstream Manhole:	DNI		Mini System Character:	Residential X	Commercial	Industrial	Other
Downstream Manhole:	DNI		Wireless Information: -90 dbm				
Depth of Flow (Wet Dof):	1.50	+/-	Cell tower #:	unknown			
Range (Air Dof):		+/-	Distance From Manhole:	unknown			
Peak Velocity:	2.75	fps	Road Cut/Trench Length:	NA	Feet		
Silt:	0.00	Inches	Antenna type/ext:	mini-wing	soil		



Cross Section



Planar N ↑

Installation Information		Backup	Yes	No	?	Distance
Installation Type:	Standard Ring and crank	Trunk		X		
Sensors / Devices:	CS4 0-5 PSI	Lift/Pump Station		X		
Surcharge Height:	3 Feet	WWTP		X		
Rain Gauge Zone:		Other		X		

Additional Site Information / Comments:

Flow Monitoring Site Safety Plan

Project Name: **Boonesboro** Site ID: **MH45** Site Classification(see below) **1**

** Hazards found at this site (Discuss Checked items below)*

Type	#	Specific Hazard	
Communic	1	The site is in a communications "Dead-Zone"	<input type="checkbox"/>
Traffic	2	The site is located in or adjacent to an intersection	<input type="checkbox"/>
	3	The site is located on a hill, curve, or where motorists visibility of the site or other vehicles is reduced	<input type="checkbox"/>
	4	The site is located in a high speed (>45 MPH) or high density roadway	<input type="checkbox"/>
	5	Site traffic is congested at peak hours	<input type="checkbox"/>
Access	6	Site has access obstacles (rough terrain, fences, deep easement, etc.)	<input type="checkbox"/>
Worksite	7	Worksite contains hazards (terrain, slope, obstructions, etc.)	<input type="checkbox"/>
	8	Elevated work requiring a ladder / work near an unguarded edge. Raised manhole (indicate height below)	<input type="checkbox"/>
	9	Pedestrian control necessary as the site is located in or near a walkway, school, playground, etc.	<input type="checkbox"/>
	10	Work may be performed during darkness; requiring additional site lighting	<input type="checkbox"/>
	11	Site is located in a high crime area (check with client & local authorities if unsure)	<input type="checkbox"/>
Confined Space	12	Confined Space does not have useable rungs	<input type="checkbox"/>
	13	Confined Space depth is greater than 50 feet	<input type="checkbox"/>
	14	Confined Space has internal platforms, weirs or other obstructions that interfere with or prevent unobstructed vertical retrieval	<input type="checkbox"/>
	15	Work requires lateral movement that would interfere with or prevent unobstructed vertical retrieval	<input type="checkbox"/>
	16	Flow is hazardous due to depth, velocity, pipe diameter, or is industrial process flow	<input type="checkbox"/>
	17	Confined Space subject to surcharge during/after a rain event	<input type="checkbox"/>
	18	CO, H2S, low O2 or other toxic/flammable gases present or anticipated	<input type="checkbox"/>
	19	Confined Space has active drop connections	<input type="checkbox"/>

** Hazards found at this site (Discuss Checked items below)*

	Class	Description
X	1	2-person crew. Standard procedures and equipment. No special requirements
	2	Worksite (non-traffic) with access obstacles and or worksite hazards
	3	Traffic site requiring special scheduling, additional personnel and/or traffic control equipment, or outsourcing
	4	Confined Space Entry requiring special scheduling, additional personnel and/or safety equipment
	5	Special Operation requiring a separate safety plan. <i>Must be approved by Corporate Safety Manager</i>

** Site Specific Safety Requirements, Must Complete for any site Class 2 & Above*

(attach additional sheet if necessary)

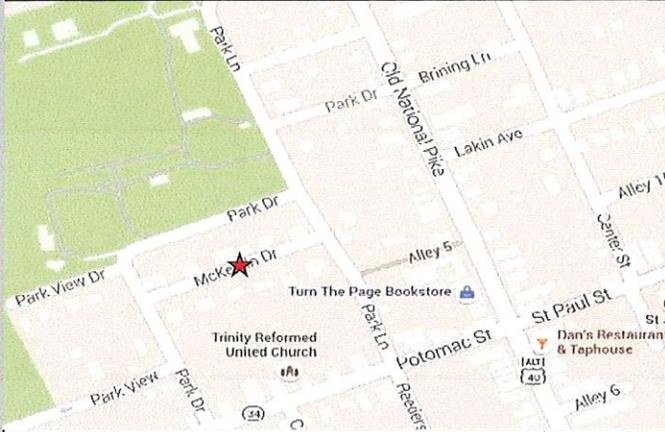
TRAFFIC CONTROL PLAN

Note: All worksites located in a roadway or immediately adjacent to a roadway where the operation may impede the normal flow of traffic are required to have a Traffic Control Plan. Standard Traffic Control Plans are to be carried in the vehicle and referred to when setting up the worksite. Special Traffic Control Plans are to be developed when required by clients or regulating agencies or when a standard Traffic Control Plan is not sufficient to control traffic at the worksite.

X This worksite does NOT require a traffic control plan
 Standard Traffic Control Plan is to be used at this worksite
 This site requires a special Traffic Control Plan which is attached

Approved Field Mgr Name: <u> Jacob Deaner </u> Signature: _____ Date: <u> 4/5/2016 </u>	Reviewed Project Mgr Name: <u> Darin Fife </u> Signature: _____ Date: <u> 4/5/2016 </u>
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Project Name: Boonsboro		City/State: Boonsboro, MD 21713		FM Initials: JD	
Site Name: MH33A		Monitor Series: Triton+		Monitor S/N#: 52895	
Address / Location: 11 McKeldin Dr		Manhole #: MH33A		GPS(Dec.Deg.): 39.506856, -77.654361	
Access: Drive		Type of System: <input checked="" type="checkbox"/> Sanitary <input type="checkbox"/> Storm <input type="checkbox"/> Combined		Pipe Height: 8.00"	
				Pipe Width: 8.00"	
				TCP/IP: 166.219.18.121	

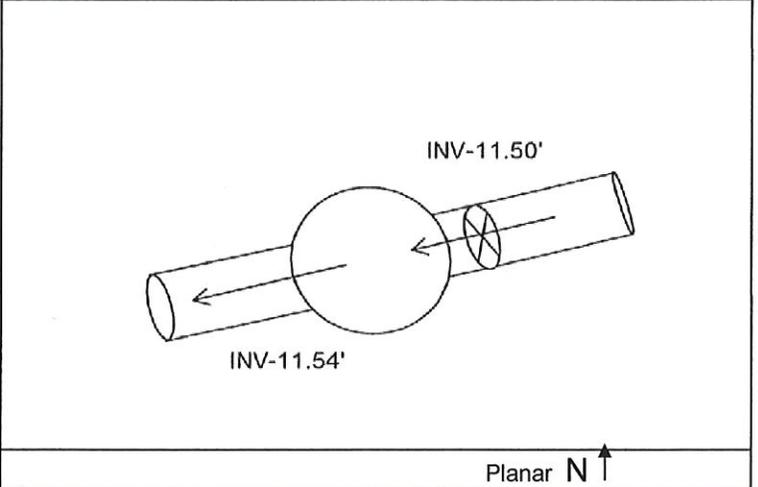
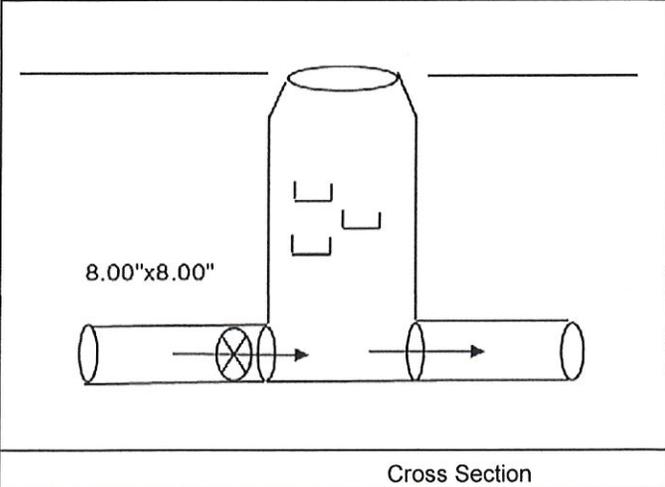


Access Map N ↑

Site Map N ↑

Investigation Information:			Manhole Information:				
Date/Time of Investigation:	4/5/16 12:20 PM		Manhole Depth:	11.5		Feet	
Site Hydraulics:	Fast, laminar flow		Manhole Material / Condition:	Concrete		Fair	
Upstream Input: (L/S, P/S)	unknown		Pipe Material / Condition:	Vetrified Clay Pipe		Fair	
Upstream Manhole:	DNI		Mini System Character:	Residential	Commercial	Industrial	Other
Downstream Manhole:	DNI		Wireless Information: -85 dbm				
Depth of Flow (Wet Dof):	2.38 +/-		Cell tower #:	unknown			
Range (Air Dof):	+/-		Distance From Manhole:	unknown			
Peak Velocity:	2.78 fps		Road Cut/Trench Length:	NA		Feet	
Silt:	0.00 Inches		Antenna type/ext:	mini-wing		asphalt	

Other Information:



Cross Section

Planar N ↑

Installation Information		Backup	Yes	No	?	Distance
Installation Type:	Standard Ring and crank	Trunk		X		
Sensors / Devices:	CS4 0-5 PSI	Lift/Pump Station		X		
Surcharge Height:	0 Feet	WWTP		X		
Rain Gauge Zone:		Other		X		

Additional Site Information / Comments:

Flow Monitoring Site Safety Plan

Project Name:	Boonesboro	Site ID:	MH33A	Site Classification(see below)	1
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* Hazards found at this site (Discuss Checked items below)

Type	#	Specific Hazard	
Communications	1	The site is in a communications "Dead-Zone"	<input type="checkbox"/>
Traffic	2	The site is located in or adjacent to an intersection	<input type="checkbox"/>
	3	The site is located on a hill, curve, or where motorists visibility of the site or other vehicles is reduced	<input type="checkbox"/>
	4	The site is located in a high speed (>45 MPH) or high density roadway	<input type="checkbox"/>
	5	Site traffic is congested at peak hours	<input type="checkbox"/>
Access	6	Site has access obstacles (rough terrain, fences, deep easement, etc.)	<input type="checkbox"/>
Worksite	7	Worksite contains hazards (terrain, slope, obstructions, etc.)	<input type="checkbox"/>
	8	Elevated work requiring a ladder / work near an unguarded edge. Raised manhole (indicate height below)	<input type="checkbox"/>
	9	Pedestrian control necessary as the site is located in or near a walkway, school, playground, etc.	<input type="checkbox"/>
	10	Work may be performed during darkness; requiring additional site lighting	<input type="checkbox"/>
Confined Space	11	Site is located in a high crime area (check with client & local authorities if unsure)	<input type="checkbox"/>
	12	Confined Space does not have useable rungs	<input type="checkbox"/>
	13	Confined Space depth is greater than 50 feet	<input type="checkbox"/>
	14	Confined Space has internal platforms, weirs or other obstructions that interfere with or prevent unobstructed vertical retrieval	<input type="checkbox"/>
	15	Work requires lateral movement that would interfere with or prevent unobstructed vertical retrieval	<input type="checkbox"/>
	16	Flow is hazardous due to depth, velocity, pipe diameter, or is industrial process flow	<input type="checkbox"/>
	17	Confined Space subject to surcharge during/after a rain event	<input type="checkbox"/>
	18	CO, H2S, low O2 or other toxic/flammable gases present or anticipated	<input type="checkbox"/>
	19	Confined Space has active drop connections	<input type="checkbox"/>

* Hazards found at this site (Discuss Checked items below)

	Class	Description
X	1	2-person crew. Standard procedures and equipment. No special requirements
	2	Worksite (non-traffic) with access obstacles and or worksite hazards
	3	Traffic site requiring special scheduling, additional personnel and/or traffic control equipment, or outsourcing
	4	Confined Space Entry requiring special scheduling, additional personnel and/or safety equipment
	5	Special Operation requiring a separate safety plan. <i>Must be approved by Corporate Safety Manager</i>

* Site Specific Safety Requirements, Must Complete for any site Class 2 & Above

(attach additional sheet if necessary)

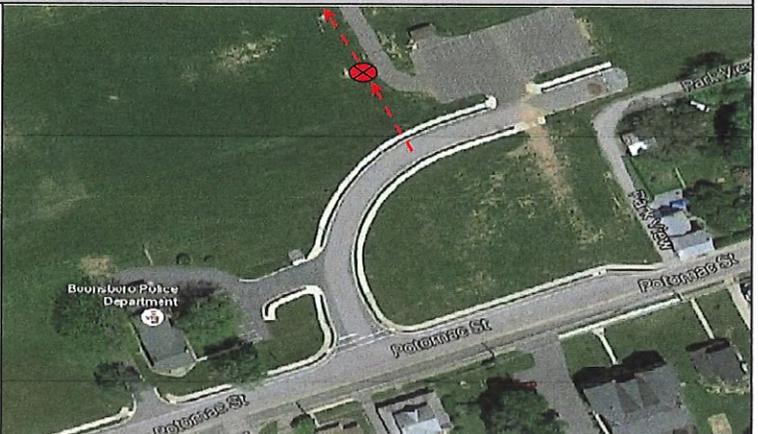
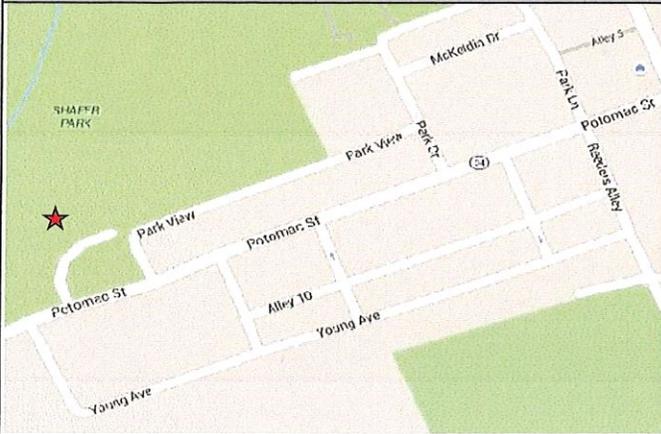
TRAFFIC CONTROL PLAN

Note: All worksites located in a roadway or immediately adjacent to a roadway where the operation may impede the normal flow of traffic are required to have a Traffic Control Plan. Standard Traffic Control Plans are to be carried in the vehicle and referred to when setting up the worksite. Special Traffic Control Plans are to be developed when required by clients or regulating agencies or when a standard Traffic Control Plan is not sufficient to control traffic at the worksite.

X This worksite does NOT require a traffic control plan
 Standard Traffic Control Plan is to be used at this worksite
 This site requires a special Traffic Control Plan which is attached

Approved Field Mgr Name: _____ Jacob Deaner	Reviewed Project Mgr Name: _____ Darin Fife
Signature: _____	Signature: _____
Date: _____ 4/5/2016	Date: _____ 4/5/2016

Project Name: Boonsboro		City/State: Boonsboro, MD 21713		FM Initials: JD	
Site Name: MH H		Monitor Series: Triton+		Monitor S/N#: 52892	
Address / Location: 241 Potomac St		Manhole #: MH H		GPS(Dec.Deg.): 39.505228, -77.658701	
Access: Drive		Type of System: <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		Pipe Height: 8.00"	
				Pipe Width: 8.00"	
				TCP/IP: 107.80.17.153	

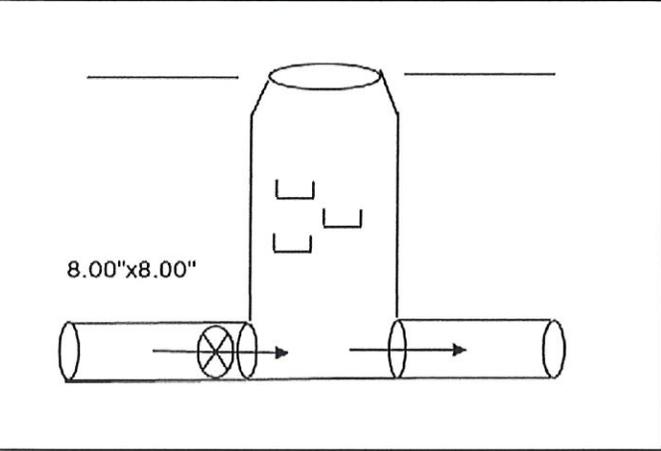


Access Map N ↑

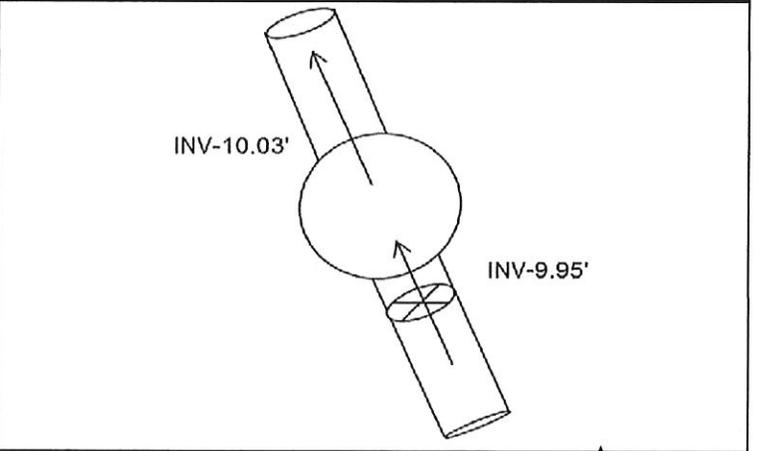
Site Map N ↑

Investigation Information:			Manhole Information:				
Date/Time of Investigation:	4/5/16 11:55 AM		Manhole Depth:	9.95		Feet	
Site Hydraulics:	Shallow fast flow		Manhole Material / Condition:	Concrete		Fair	
Upstream Input: (L/S, P/S)	unknown		Pipe Material / Condition:	Vetrified Clay Pipe		Fair	
Upstream Manhole:	DNI		Mini System Character:	Residential	Commercial	Industrial	Other
Downstream Manhole:	DNI			X			
			Wireless Information: -90 dbm				
Depth of Flow (Wet Dof):	1.00	+/-	Cell tower #:	unknown			
Range (Air Dof):			Distance From Manhole:	unknown			
Peak Velocity:	5.95	fps	Road Cut/Trench Length:	NA	Feet		
Silt:	0.00	Inches	Antenna type/ext:	mini-wing	soil		

Other Information:



Cross Section



Planar N ↑

Installation Information		Backup	Yes	No	?	Distance
Installation Type:	Standard Ring and crank	Trunk		X		
Sensors / Devices:	CS4 and CS5 sensor	Lift/Pump Station		X		
Surcharge Height:	0 Feet	WWTP		X		
Rain Gauge Zone:		Other		X		

Additional Site Information / Comments:

Flow Monitoring Site Safety Plan

Project Name: Boonesboro	Site ID: MH H	Site Classification(see below)	1
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* Hazards found at this site (Discuss Checked items below)

Type	#	Specific Hazard	
Communic	1	The site is in a communications "Dead-Zone"	<input type="checkbox"/>
Traffic	2	The site is located in or adjacent to an intersection	<input type="checkbox"/>
	3	The site is located on a hill, curve, or where motorists visibility of the site or other vehicles is reduced	<input type="checkbox"/>
	4	The site is located in a high speed (>45 MPH) or high density roadway	<input type="checkbox"/>
	5	Site traffic is congested at peak hours	<input type="checkbox"/>
Access	6	Site has access obstacles (rough terrain, fences, deep easement, etc.)	<input type="checkbox"/>
Worksite	7	Worksite contains hazards (terrain, slope, obstructions, etc.)	<input type="checkbox"/>
	8	Elevated work requiring a ladder / work near an unguarded edge. Raised manhole (indicate height below)	<input type="checkbox"/>
	9	Pedestrian control necessary as the site is located in or near a walkway, school, playground, etc.	<input type="checkbox"/>
	10	Work may be performed during darkness; requiring additional site lighting	<input type="checkbox"/>
	11	Site is located in a high crime area (check with client & local authorities if unsure)	<input type="checkbox"/>
Confined Space	12	Confined Space does not have useable rungs	<input type="checkbox"/>
	13	Confined Space depth is greater than 50 feet	<input type="checkbox"/>
	14	Confined Space has internal platforms, weirs or other obstructions that interfere with or prevent unobstructed vertical retrieval	<input type="checkbox"/>
	15	Work requires lateral movement that would interfere with or prevent unobstructed vertical retrieval	<input type="checkbox"/>
	16	Flow is hazardous due to depth, velocity, pipe diameter, or is industrial process flow	<input type="checkbox"/>
	17	Confined Space subject to surcharge during/after a rain event	<input type="checkbox"/>
	18	CO, H2S, low O2 or other toxic/flammable gases present or anticipated	<input type="checkbox"/>
	19	Confined Space has active drop connections	<input type="checkbox"/>

* Hazards found at this site (Discuss Checked items below)

	Class	Description
X	1	2-person crew. Standard procedures and equipment. No special requirements
	2	Worksite (non-traffic) with access obstacles and or worksite hazards
	3	Traffic site requiring special scheduling, additional personnel and/or traffic control equipment, or outsourcing
	4	Confined Space Entry requiring special scheduling, additional personnel and/or safety equipment
	5	Special Operation requiring a separate safety plan. <i>Must be approved by Corporate Safety Manager</i>

* Site Specific Safety Requirements, Must Complete for any site Class 2 & Above

(attach additional sheet if necessary)

TRAFFIC CONTROL PLAN

Note: All worksites located in a roadway or immediately adjacent to a roadway where the operation may impede the normal flow of traffic are required to have a Traffic Control Plan. Standard Traffic Control Plans are to be carried in the vehicle and referred to when setting up the worksite. Special Traffic Control Plans are to be developed when required by clients or regulating agencies or when a standard Traffic Control Plan is not sufficient to control traffic at the worksite.

X This worksite does NOT require a traffic control plan
 Standard Traffic Control Plan is to be used at this worksite
 This site requires a special Traffic Control Plan which is attached

Approved Field Mgr Name: <u>Jacob Deaner</u>	Reviewed Project Mgr Name: <u>Darin Fife</u>
Signature: _____	Signature: _____
Date: <u>4/5/2016</u>	Date: <u>4/5/2016</u>