

Corrective Action Program Review Waynesboro Invista Plant

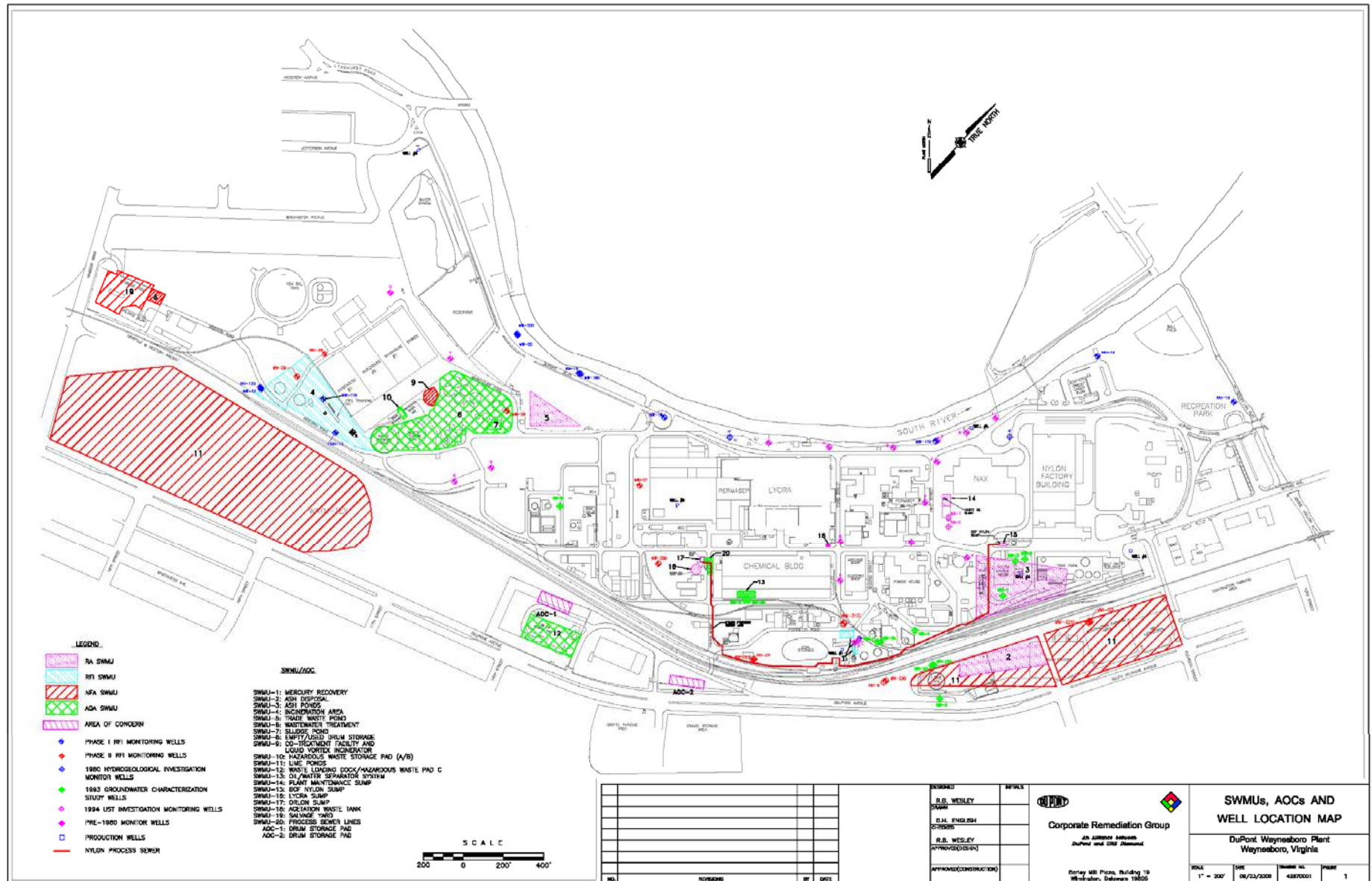


July 15, 2008

RFI Investigations

- Plant RCRA Facility Investigation (RFI)
- Semiannual Groundwater Monitoring Program
- Stormwater (Outfall) Monitoring
- Sewer Investigation

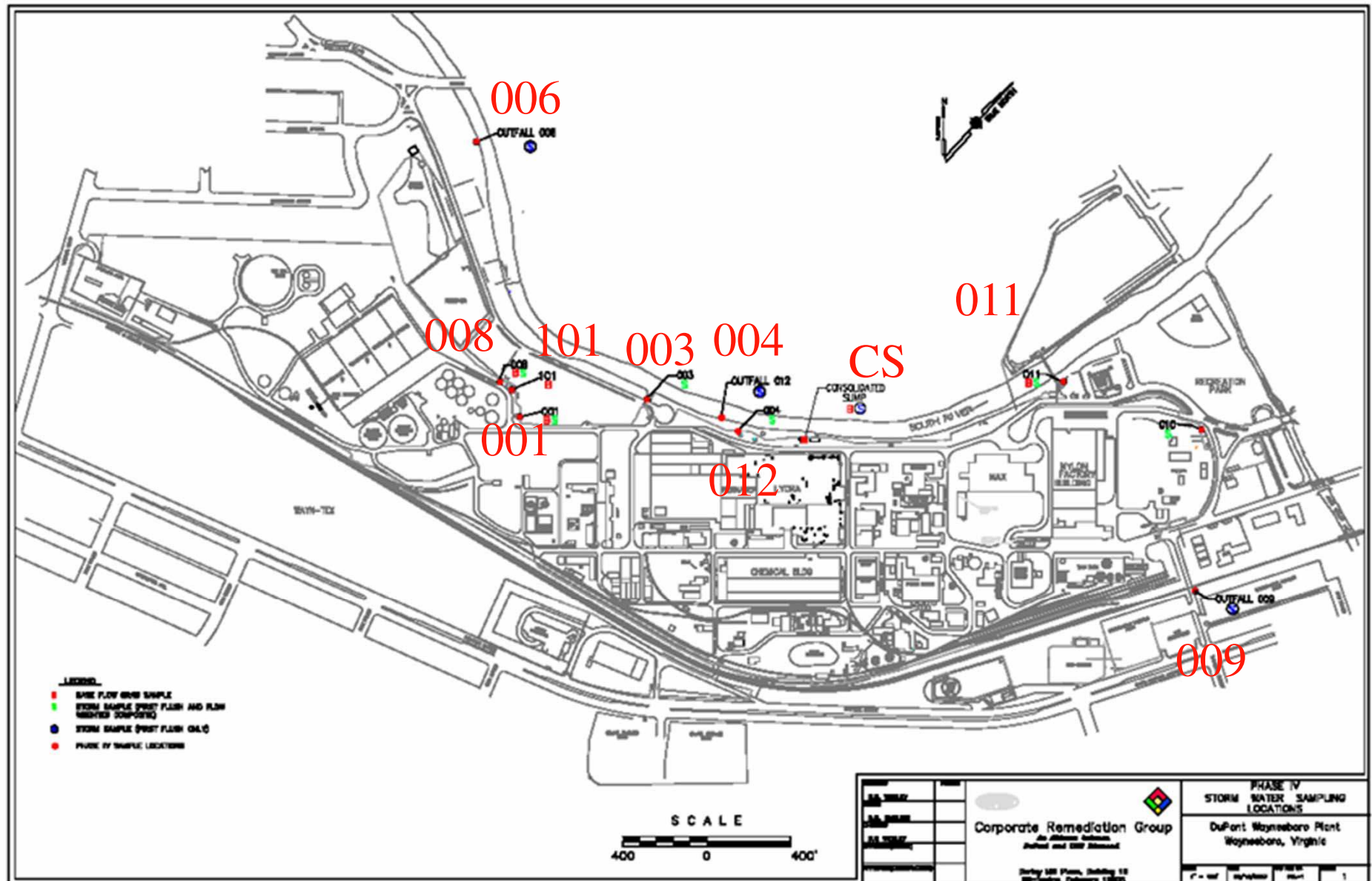
Plant RFI



Stormwater (Outfall) Monitoring (cont'd.)

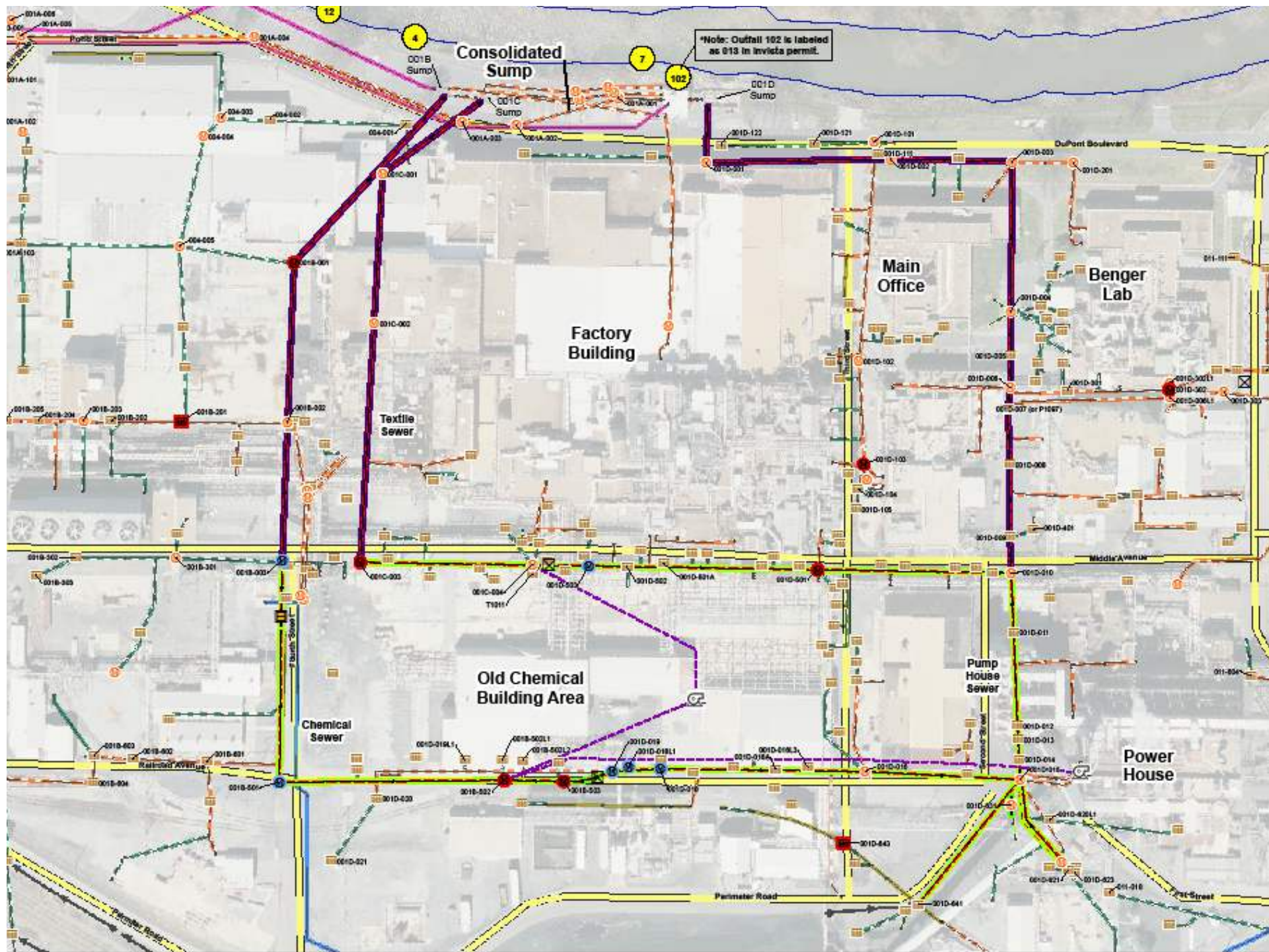
- Phases I – III (2003-2007)
- Phase IV (Started June 2007)
 - Continue to Sample 9 outfall locations + Consolidated Sump
 - Monthly baseflow samples at 4 outfalls and Consolidated Sump
 - Storm Samples to be collected twice per year at 9 outfalls and the Consolidated Sump

Stormwater (Outfall) Monitoring



Sewer Investigation

- Phase I (Completed in 2007)
- Phase II (Summer 2008)
 - Closed circuit television (CCTV) inspection in the vicinity of the Old Chemical Building and upstream portions of 011 sewer system
 - Upstream sediment and water sampling and soil vapor sampling of pipe backfill .
 - Update basemap and GIS database with structures and piping sections
- Hg Inspection and Abatement (On-going)
 - Cleanup of observed Hg in Chem Bldg area immediately
 - Weekly inspection and abatement program implemented



The rear of the CCTV truck



Pumping was required to video the line along Fourth Street. This 8" pump was set up at the 001B sump.



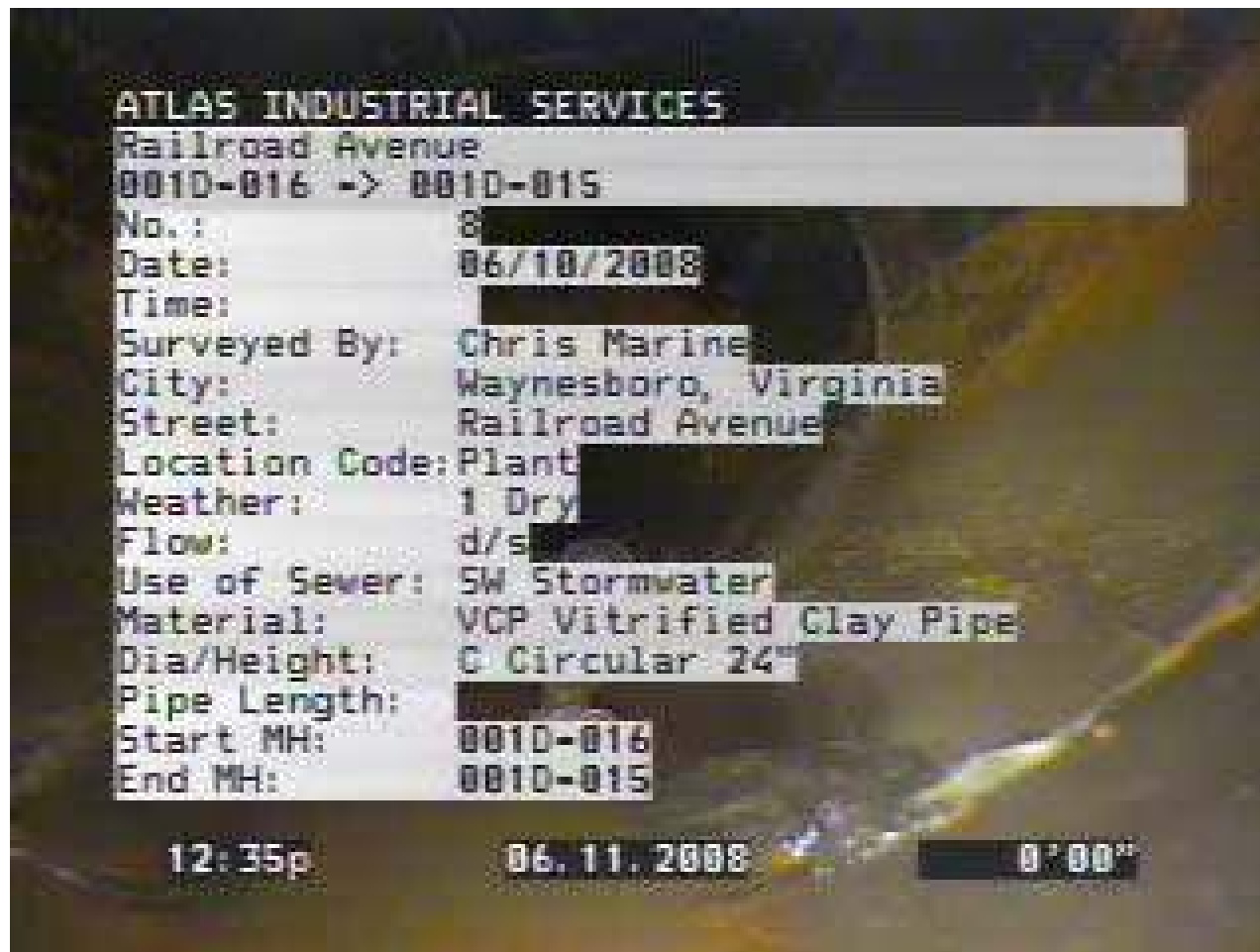


The camera for pipes 18" and smaller



The tractor for pipes 24" and larger

This video is from MH 001D-016 to MH 001D-015 along Railroad Ave



The camera was stopped at 8 feet due to debris but this line was successfully revisited using the larger tractor from the other direction.

An example of sediment accumulation in the bottom of the pipe.





The camera was cleaned after each pipe run.

This is the report from the previous video. Still pictures are taken with the same camera and included in the report.

				ATLAS INDUSTRIAL SERVICES 13536 CHARLOTTE COURT Tel: 800-468-5834, Fax: 804-795-1722		
INSPECTION REPORT						
DATE: 06/10/2008	WORK #:	WEATHER: 1 Dry	OPERATOR: Chris Marine	SECTION NR: 8	SECTION NAME:	
PRESENT:	VEHICLE: URS	CAMERA: INVISTA	PRESET:	CLEANED: N No Pre-Cleaning	RATE:	
STREET: Railroad Avenue		MAP #1:		MH: 001D-016		
CITY: Waynesboro, Virginia		MAP #2:		MH: 001D-015		
LOCALE: Plant		TAPE #: # 1		TV'D LGTH: 8.29 ft		
INSPECT REASON: A Maintenance Related			PPE SIZE: C Circular			
SECTION TYPE: SW Stormwater			MATERIAL: VCP Vitirified Clay Pipe JT LGTH:			
AREA:			LINING:			
REMARK:			RSRVD:			
125	POSITION	CODE	OBSERVATION	VCR #	PH	RATE
	001D-016	0.00	AMH Manhole, Remark: Start of survey 001D-016	00:00:00		
		5.92	CM Crack Multiple, from 10 to 02 o'clock, within 8 inch: YES	00:00:00	33a	3
		5.92	MGP General Photograph, within 8 inch: YES	00:00:00	34a	
	001D-015	8.29	B Broken, from 04 to 05 o'clock, within 8 inch: YES	00:00:00	35a	4
		8.29	MSA Survey Abandoned, Remark: Camera Blocked due to debris	00:00:00	36a, b	

Preliminary CCTV Findings

- All pipelines identified for evaluation in this phase were successfully accessed. Heavy accumulation of debris and sediment prevented forward progress of the camera in many pipe runs.
- Sediment is present in most of the pipelines, and accumulation is heavy in several sections.
- There are several cracks with evidence of infiltration, these areas may be candidates for further investigations.
- Pipelines on Railroad Ave appear to have heavy accumulations of sediment, and have the most cracks.

Potential Next Steps

- Continue to focus efforts on Railroad Ave, and pipelines around the old Chemical Bldg.
- Soil sampling and/or soil gas investigations around pipelines.
- Cleaning of pipelines that could not be videoed, and complete videos.
- Additional CCTV of other pipelines