

Exerpts from:

**Pre-Construction Survey Report,
South Trunk Sewer Section G Force
Main Replacement Project, Norfolk,
Virginia,**



January 29, 2016

Mr. Daniel Rickmond
 Tidewater Utility Construction, Inc.
 200 Lummis Road
 Suffolk, Virginia 23434

Subject: Pre-Construction Survey Report, South Trunk Sewer Section G Force Main Replacement Project, Norfolk, Virginia (SSI Job No. 15-1168)

Dear Mr. Rickmond:

Seismic Surveys, Inc. (SSI) is pleased to present this Pre-Construction Survey Report for the designated structures adjacent to your South Trunk Sewer Section G Force Main Replacement project. These surveys were conducted December 14, 2015 through January 15, 2016, in accordance with our contract November 9, 2015. The structures surveyed are summarized in the table below.

SSI ID #	Address	Contact	Phone	Dates Notified	Survey Dates	Survey Extent
1	Virginia Maritime Assn. 236 E. Plume St. Norfolk, VA	Sam Davis	757.622.2639	12-07-15 12-11-15 12-29-15	12-15-15 01-13-16	Interior and Exterior
2A	Slover Library 235 E. Plume St. Norfolk, VA	Jessica Montfort	757.431.7450	12-07-15 12-11-15 12-29-15	12-14-15 01-08-16	Interior and Exterior
2B	Norfolk Convention & Visitors Center 232 E. Main St. Norfolk, VA	City of Norfolk Parking Department	757.664.6620	12-07-15 12-11-15 12-29-15 01-11-16	01-13-16 01-14-16	Interior and Exterior
3	Norfolk Waterside Marriott 235 E. Main St. Norfolk, VA	Jeff Tinsley	757.510.2609	12-07-15 12-11-15 12-29-15 01-11-16	01-13-16	Interior and Exterior
4	2 Commercial Pl. #100 Norfolk, VA	Mary Robbins	757.348.5973	12-07-15 12-11-15 12-14-15 12-29-15 01-05-16	01-14-16	Interior and Exterior
5	PNC Bank 555 E. Main St. Norfolk, VA	Harbor Management Group Krista Marshall	757.627.9440	12-07-15 12-11-15 12-29-15 01-05-16	01-13-16	Interior and Exterior

SSI ID #	Address	Contact	Phone	Dates Notified	Survey Dates	Survey Extent
6A	Crown Center 580 E. Main St. Norfolk, VA	Harbor Management Group Krista Marshall	757.627.9440	12-07-15 12-11-15 12-29-15 01-05-16	01-12-16	Interior and Exterior
6B	125 St. Paul Building 125 St. Paul's Blvd. Norfolk, VA	CBRE Commercial Real Estate Judy Knouf	757.490.3300	12-07-15 12-11-15 12-29-15	12-15-15 01-05-16	Interior and Exterior
7	MacArthur Center Parking Garage 300 Cumberland St. Norfolk, VA	Security Manager	757.627.6000	12-07-15 12-29-15 01-12-16	01-12-16 01-13-16	Interior and Exterior
8	The Rotunda 415 St. Paul's Blvd. – 525 E. Freemason St. Norfolk, VA	The Select Group Bonnie Herring	757.486.6000	12-07-16 12-14-16 12-29-16 01-05-16 01-11-16 01-14-16	01-14-16 01-15-16	Exterior
9	St. Paul's Place Condominiums 423 St. Paul's Blvd. Norfolk, VA	The Select Group Bob Garrett	757-486-6000	12-07-15 12-14-15 12-29-15 01-05-16	01-12-16	Partial Interior* and Exterior
10	St. Paul's Place Condominiums 433 St. Paul's Blvd. Norfolk, VA	The Select Group Bob Garrett	757-486-6000	12-07-15 12-14-15 12-29-15 01-05-16	01-12-16	Partial Interior** and Exterior
11	Norfolk Fire & Rescue 450 St. Paul's Blvd. Norfolk, VA	Chief Mark McCoy	757.664.6600	12-07-15 12-29-15 01-04-16	01-06-16	Interior and Exterior
12A	724-746 St. Paul's Blvd. Norfolk, VA	Norfolk Redevelopment and Housing Authority Paul Cramer	757.315.2002	12-07-15 12-14-15 12-16-15 12-29-15 01-08-16	01-11-16	Exterior
12B	748-770 St. Paul's Blvd. Norfolk, VA	Norfolk Redevelopment and Housing Authority Paul Cramer	757.315.2002	12-07-15 12-14-15 12-16-15 12-29-15 01-08-16	01-12-16	Exterior
13	347, 776-796 St. Paul's Blvd. Norfolk, VA	Norfolk Redevelopment and Housing Authority Paul Cramer	757.315.2002	12-07-15 12-14-15 12-16-15 12-29-15 01-08-16	01-12-16	Exterior
14	St. Paul's Episcopal Church 201 St. Paul's Blvd. Norfolk, VA	Bobby Bird	757.434.4961	12-07-15 12-14-15 12-15-15 12-29-15	01-07-16	Interior and Exterior
15	Nordstrom 301 Cumberland St. Norfolk, VA	Jessica Kridel	757.314.1111	12-07-15 12-15-15 12-29-15	01-12-15	Interior and Exterior
16	Streetscape – Intersection of E. Plume St. and Atlantic St.	N/A	N/A	N/A	12-14-15	Exterior

*Interior survey of closest East wall (Elevation A) of Units 3E & 4A

**Interior survey of closest East wall (Elevation A) of Units 2B & 2E

Observed conditions of the structures were documented in written form along with sketches and digital imagery. The survey documentation and media are arranged by SSI ID No. in the Appendix.

Established conventions were used while conducting these surveys. The first wall to the left, when entering the room, is assigned as wall no. 1. The wall numbering sequence is consecutive in a clockwise direction for building interiors and counterclockwise for building exteriors. Cracks that are less than about 1/16 inch wide are considered hairline unless otherwise noted.

While the pre-construction surveys were conducted in as complete and thorough a manner possible, due to time constraints and other circumstances, some pre-existing conditions will go unnoticed and unnoted. In addition, structures are dynamic in nature and, as such, are subject to a variety of internal and external forces. The forces acting upon a structure do not terminate upon the inception of construction operations in the area. Therefore, these surveys should only be used as a damage reference in conjunction with appropriate geophysical and/or seismic data. Original field documentation and digital imagery are on file in our Frederick, Maryland office.

We appreciate the opportunity to be of service on this project. If you have any questions or require further assistance in this matter, please contact us.

Sincerely,

SEISMIC SURVEYS, INCORPORATED



Matthew W. Anderson, P.E.
Principal Engineer

Attachment:

- Signed Right to Access Property Forms

Appendix:

- Field Report of Existing Structural Conditions (arranged by SSI ID No.)

Enclosure:

- 4 Flash Drives with Report Letter, Field Documentation and Digital Media

MWA/dmt

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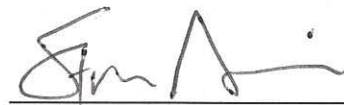
Right to Access Property
Downtown Norfolk Sanitary Sewer Pipeline Replacement

I hereby acknowledge that I understand the purpose of the pre-existing condition assessment (pre-construction survey) and I am authorized and responsible for the following decision:

- Allow access to the exterior and interior of the property.
- Allow access to the exterior of the property only.
- Allow access to the interior of the property only.
- Deny access to the property.

Video and Photographic Documentation

- Allow the engineer to take photos and videos of the exterior and interior of the property.
- Allow the engineer to take photos and videos of the exterior of the property only.
- Allow the engineer to take photos and videos of the interior of the property only.
- Deny the engineer to take photos and videos of the property.



Authorized Signature

1.8.14
Date

236 E. PLUM ST.

Property Address

APPENDIX

Field Report of Existing Structural Conditions
(arranged by SSI ID No.)



Field Report of Existing Structural Conditions

Surveyor(s): Jeff Girts, Ben Spindler **SSI Job No.** 15-1168
 Client: Tidewater Utility Construction Inc. Project Name: South Trunk Sewer Section G
 Date(s): 12-15-15, 01-13-16 Time(s): 0900, 1530
 Survey Type: Pre-Construction
 Survey Area Exterior: Yes Interior: Yes - see notes
 Type of Property: Commercial - Office Building

GENERAL INFORMATION

Address: 236 E. Plume Street - Virginia Maritime Association **SSI ID No.** 1
 Contact: Sam Davis Contact Type: Owner's Authorized Rep
 Phone # of Contact: 757.622.2639 Name of Escort: Sam Davis
 Distance to Work Area: ~15 ft.
 Age of Structure: 1940s Date of Purchase: 1972
 Digital Folder: 1
 Digital Video: JAG-1

GENERAL DESCRIPTION

Number of Levels: 3 Lower Level: Yes
 Structure Length (Approx.): 60 ft. Width (Approx.): 60 ft.
 Foundation Type: Spread Footing
 Foundation Materials: Concrete Block and Poured Concrete
 Framing Type: Steel
 Exterior Covering: See notes Porch/Deck Elevation(s): None
 Chimney Material(s): None Walkway/Sidewalk Elevation(s): A & B
 Patio Elevation(s): None Other Structures: None
 Broken Windows: None visible



Field Report of Existing Structural Conditions

Address (Cont.): 236 E. Plume Street - Virginia Maritime Association

SSI ID No. 1

FOR BLASTING SURVEYS ONLY

Sump Pump: Yes Radon Remediation Installed: No
 Buried Basement: Yes CO Detectors Installed: Yes

ROOF AND DRAINAGE

Roof Materials: Flat - Membrane
 Repairs or Leaks: Repaired leak a few years ago
 Gutters: No Down Spout: No Down Spout Drains To: Sewer
 Drainage away from foundation: Yes Erosion Near Foundation Wall: No
 Well: No Location: NA
 Septic: City septic Location: NA

SETTLEMENT

Settlement Evident: No If Yes, Comment: None

COMMENTS / CONCERNS

Survey extent:

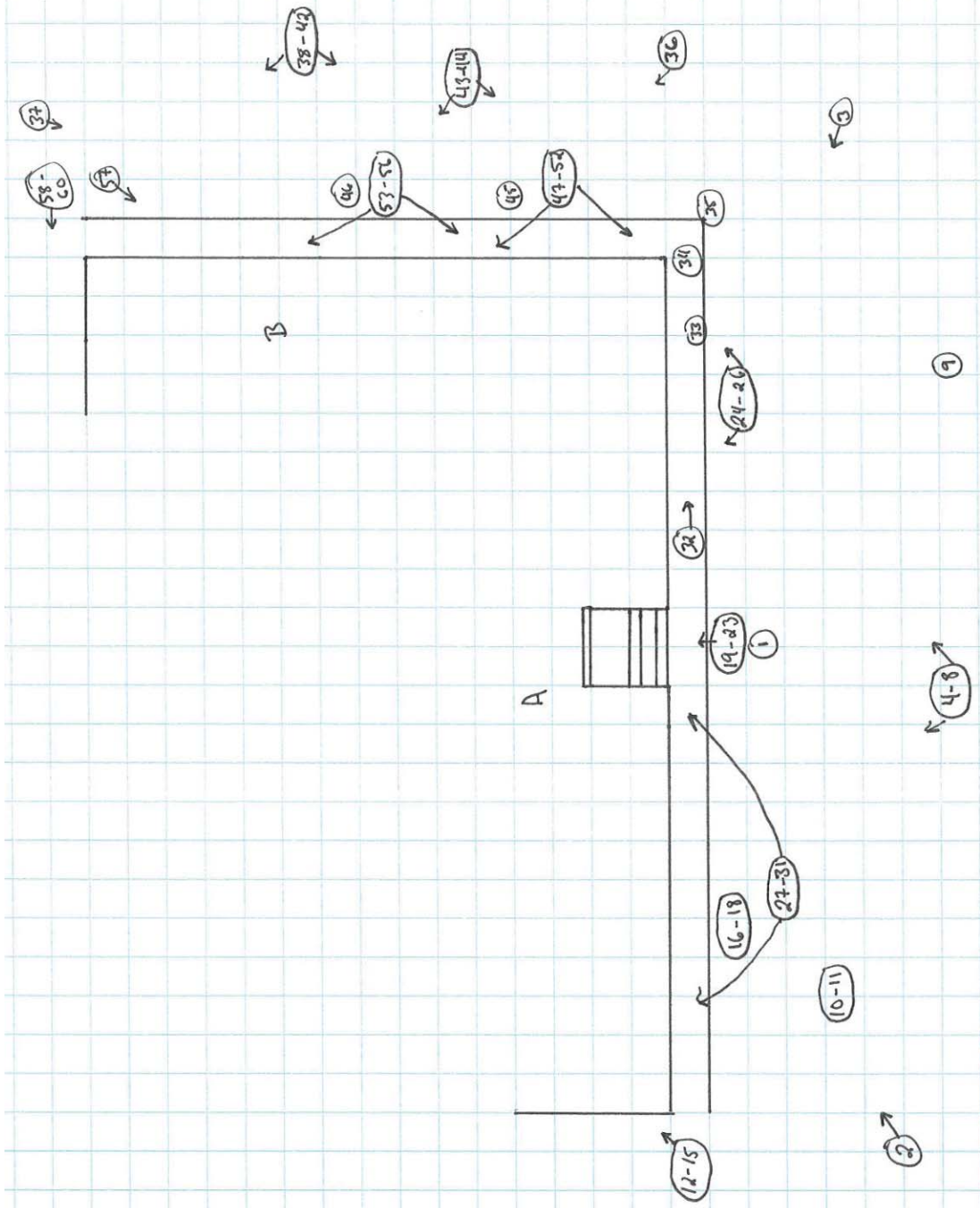
Completed an interior survey of the east and south facing walls of the building (closest sides within 50 ft. of sewer line). This included 3 floors of offices and the 3 lower levels with the control room and HRSD Pump Station underground.

Notes:

Sam Davis has been with Virginia Maritime Association for about 5 years did the best he could with the information on the building. He claims that complete renovations for floors 1-3 were done about 2 years ago. The exterior walls are brick, but have since been covered with thick layer of concrete cover.

Exterior survey was completed on 01-13-16, by Ben Spindler.

Surveyor's Signature:	 
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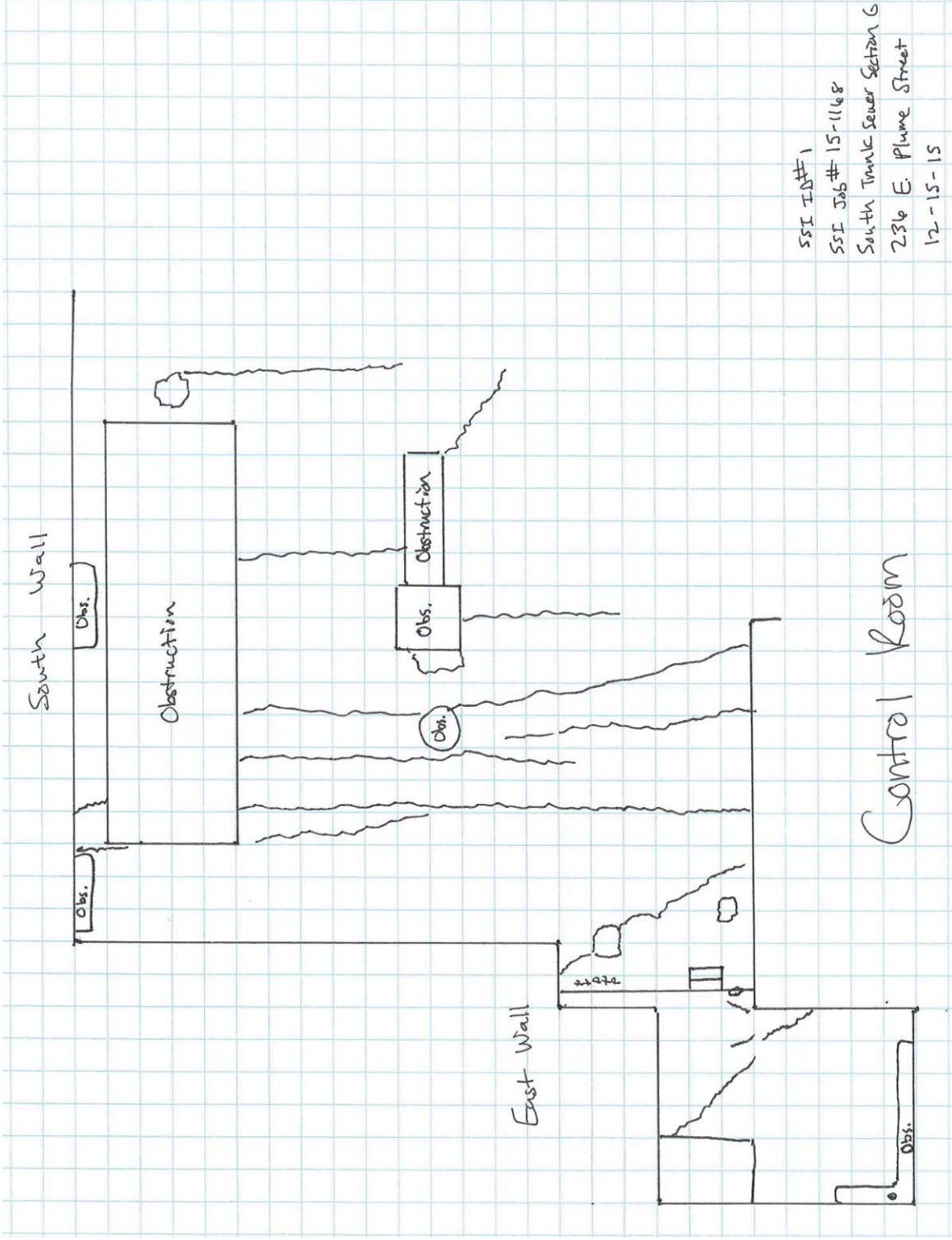


SSI ID #1
 SSI Job #15-1168
 South Trunk Sewer
 236 E Plume St.
 01-13-16.

Legend
 ① Digital Image Location and Number

Project: South Trunk Sewer Section G
 Area: Exterior

Address: 236 E. Plume Street
 Date: 01-13-16



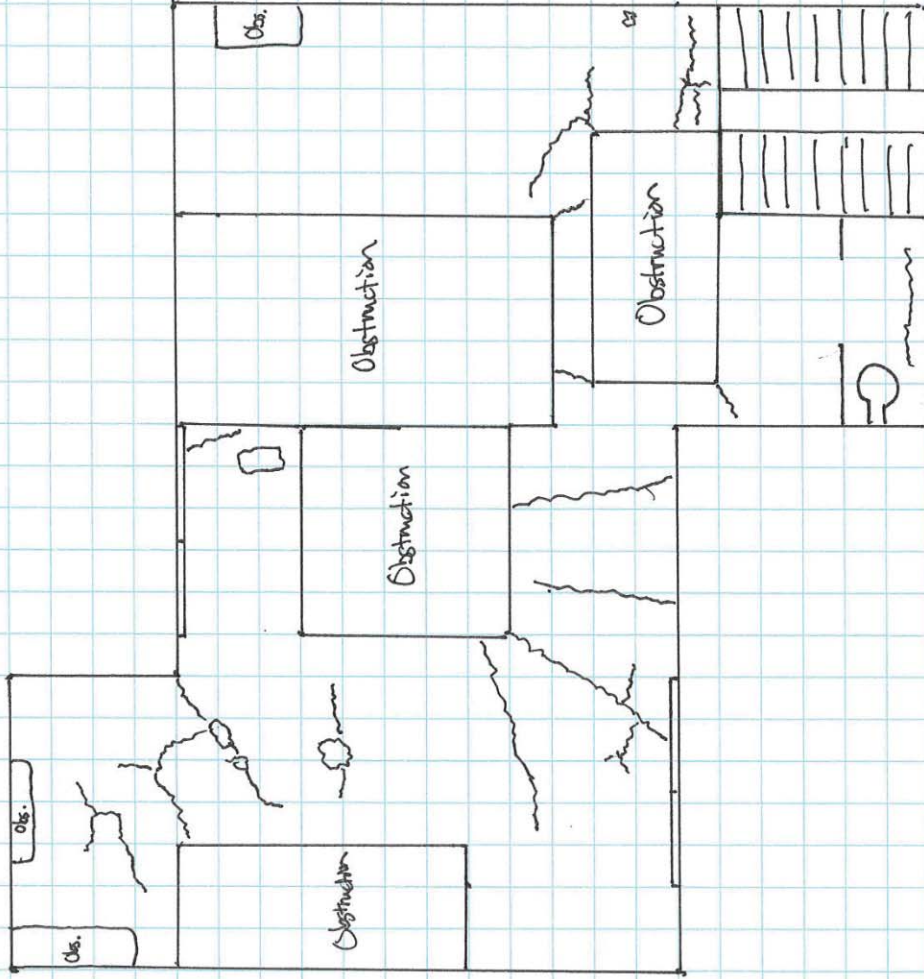
SSI ID# 1
 SSI Job # 15-1168
 South Trunk Sewer Section G
 236 E. Plume Street
 12-15-15

1	Legend Digital Image Location and Number
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Project: South Trunk Sewer Section G
 Area: Interior – Control Room

Address: 236 E. Plume Street
 Date: 12-15-15

Ground Level Utility Room



SSI ID# 1
SSI Job # 15-1168
South Trunk Sewer Section G
236 E. Plume Street
12-15-15

1	Legend Digital Image Location and Number
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Project: South Trunk Sewer Section G
Area: Interior - Ground Level Utility Room

Address: 236 E. Plume Street
Date: 12-15-15



Video Summary Log – Existing Structural Conditions

Address: 236 E. Plume Street - Virginia Maritime Association SSI ID No. 1

Area(s) of Survey: Interior

Video Folder Name: JAG-1 Date(s) Taken: 01-13-16

Time	Description
0920	Introduction
0921	Main entrance/vestibule level 1
0924	Lobby
0936	Hallway to offices level 1
0943	Office 1
0948	Office 2
0953	Conference room
1004	Stairwell
1027	Hallway level 2
1032	Conference room level 2
1039	Office 1
1044	Storage room
1046	Equipment room
1048	Office 2
1052	Office 3
1056	Server room
1100	Men's bathroom
1107	Level 3 hallway
1113	Confere room
1122	Office 1
1125	Office 2
1129	Office 3
1147	Ground level pump station
1226	Stairwell to pump room
1231	Control room
1304	Pump room stairwell
1310	Pump room