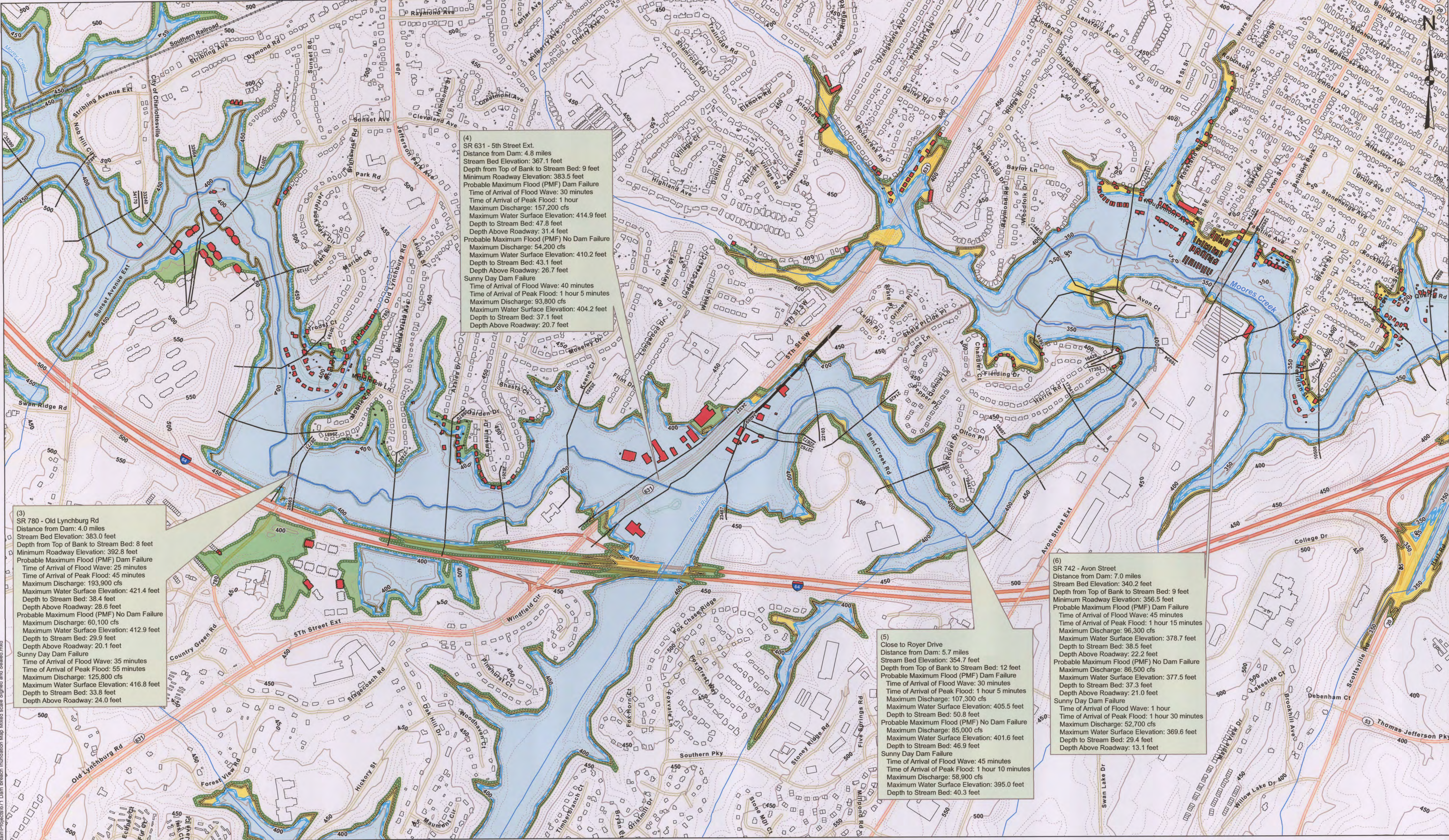




Legend

- CROSS SECTION LOCATION
- STREAM CENTERLINE
- AFFECTED BUILDING
- BUILDING
- 671 PMF BREACH
- 671 PMF NO BREACH
- 671 SUNNY DAY BREACH

Sheet Locator

Notes:

- The information contained in this map is prepared for use in notification of downstream property owners by emergency management personnel.
- It is prudent to assume that areas outside, but adjacent to, the inundation limits shown could also be flooded.

Projection: NAD 1983, State Plane (Feet) Virginia, South (FIPS 4502)
Sources: Virginia Geographic Information Network (NAIP 2009 1m, 2009 VBMP Terrain Data)
Fluvanna County GIS
Albemarle County GIS
City of Charlottesville GIS
ESRI Map Data
Streetmap U.S.A.

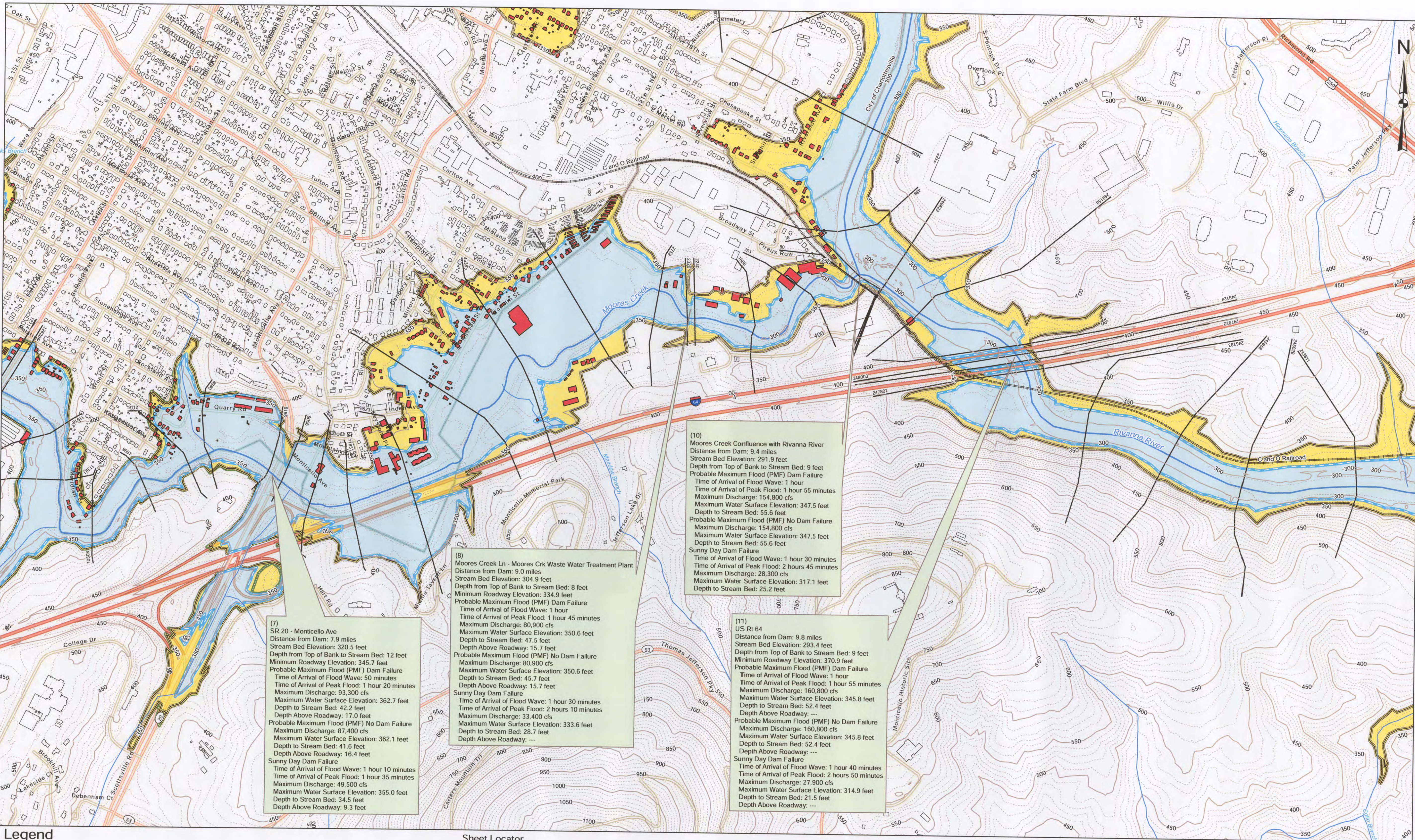
0 500 1,000 2,000 Feet

1 inch = 500 feet

DESIGNED BY: WEF	DRAWN BY: JTH	CHECKED BY: PIW	DATE: 04/21/2011
PAUL I. WELLE VA PROFESSIONAL ENGINEER NUMBER 44190			REV
Schnabel ENGINEERING 6445 SHILOH ROAD, SUITE A, ALPHARETTA, GA 30005 770.775.8100 / 770.775.8003 SCHNABEL-ENG.COM			
NEW RAGGED MOUNTAIN DAM NORMAL POOL = 671 ALBEMARLE COUNTY, VIRGINIA			DAM BREAK INUNDATION ZONE MAP
PROJECT NO: 09170036.01			SHEET: 3 OF 10

4/22/2011 7:48:43 AM B:\GIS_Data\2009\09170036 - Ragged Mountain\Projects\671 Dam Break Inundation Map Mixed Scale Signed and Sealed.mxd

5/20/2011 11:19:18 AM E:\GIS Data\20090501\70036 - Ragged Mountain\Projects\701 Dam Break Inundation Map Mixed Scale Signed and Sealed.mxd



- Legend**
- CROSS SECTION LOCATION
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 - 671 PMF NO BREACH
 - 671 SUNNY DAY BREACH

Sheet Locator



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Projection: NAD 1983, State Plane (Feet) Virginia, South (FIPS 4502)
Sources: Virginia Geographic Information Network (NAIP 2009 1m, 2009 VBMP Terrain Data)
Fluvanna County GIS
Albemarle County GIS
City of Charlottesville GIS
ESRI Map Data
Streemap U.S.A.



PROJECT NO:
09170036.01

SHEET:
4 OF 10



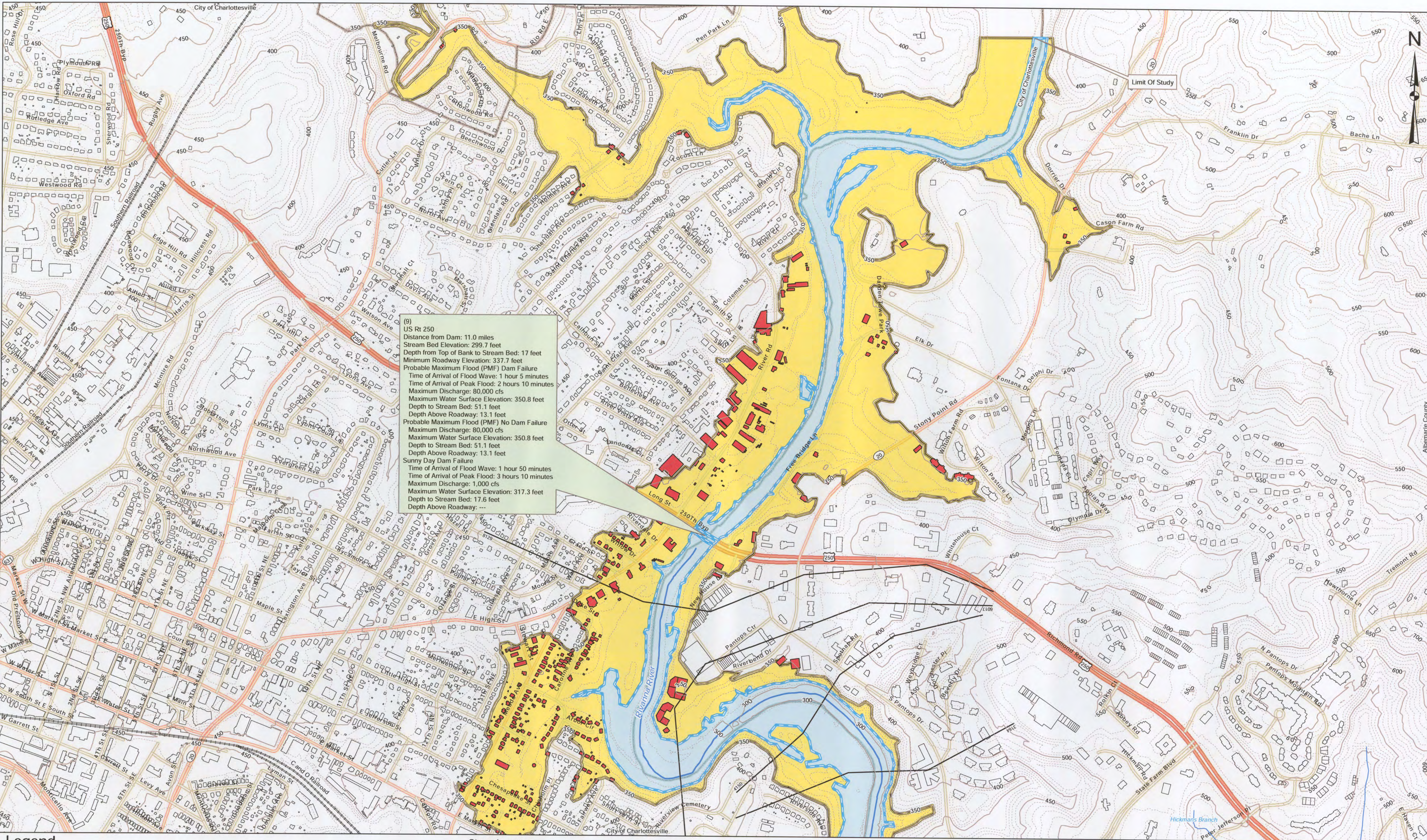
NEW RAGGED MOUNTAIN DAM
NORMAL POOL = 671
ALBEMARLE COUNTY, VIRGINIA

DAM BREAK INUNDATION ZONE MAP



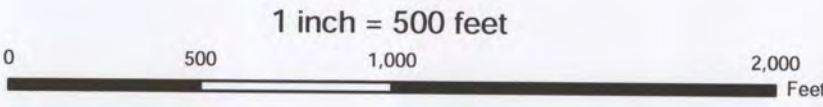
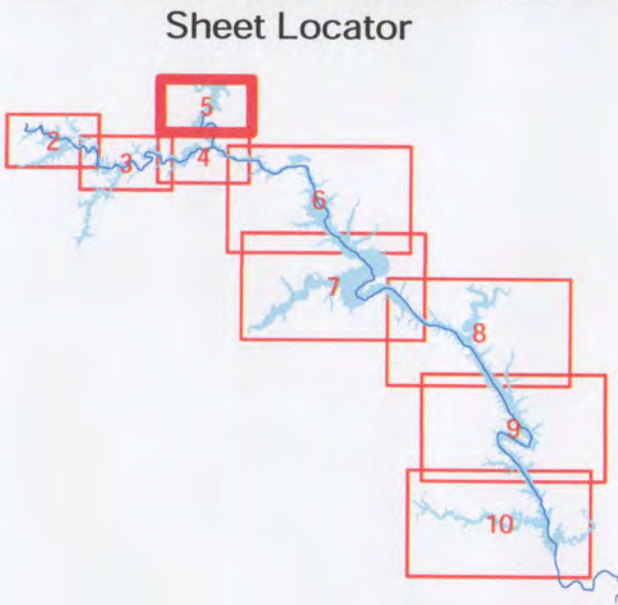
DESIGNED BY: WEF
DRAWN BY: JTH
CHECKED BY: PIW
PAUL I. WELLE
DATE: 04/21/2011
VIA PROFESSIONAL ENGINEER NUMBER
44190

REV	DESCRIPTION	DATE
1	REVISED PMF INUNDATION SUMMARY	5/20/11
2	REVISED CALLOUTS 8.9, 10, & 11	5/20/11



(9) US Rt 250
Distance from Dam: 11.0 miles
Stream Bed Elevation: 299.7 feet
Depth from Top of Bank to Stream Bed: 17 feet
Minimum Roadway Elevation: 337.7 feet
Probable Maximum Flood (PMF) Dam Failure
Time of Arrival of Flood Wave: 1 hour 5 minutes
Time of Arrival of Peak Flood: 2 hours 10 minutes
Maximum Discharge: 80,000 cfs
Maximum Water Surface Elevation: 350.8 feet
Depth to Stream Bed: 51.1 feet
Depth Above Roadway: 13.1 feet
Probable Maximum Flood (PMF) No Dam Failure
Maximum Discharge: 80,000 cfs
Maximum Water Surface Elevation: 350.8 feet
Depth to Stream Bed: 51.1 feet
Depth Above Roadway: 13.1 feet
Sunny Day Dam Failure
Time of Arrival of Flood Wave: 1 hour 50 minutes
Time of Arrival of Peak Flood: 3 hours 10 minutes
Maximum Discharge: 1,000 cfs
Maximum Water Surface Elevation: 317.3 feet
Depth to Stream Bed: 17.6 feet
Depth Above Roadway: ---

- Legend**
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Sources: Virginia Geographic Information Network (NAIP 2009 1m, 2009 VBMP Terrain Data)
Fluvanna County GIS
Albemarle County GIS
City of Charlottesville GIS
ESRI Map Data
Streetmap U.S.A.

DESIGNED BY: WEF

DRAWN BY: JTH

CHECKED BY: PW

1 REVISED PMF INUNDATION SUMMARY

2 REVISED CALLOUTS 8.9.10. & 11

PAUL I. WELLE

DATE: 04/21/2011

VA PROFESSIONAL ENGINEER NUMBER 44190

REVISION

DATE

NEW RAGGED MOUNTAIN DAM
NORMAL POOL = 671
ALBEMARLE COUNTY, VIRGINIA

DAM BREAK INUNDATION ZONE MAP

PROJECT NO:
09170036.01

SHEET:
5 OF 10

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