

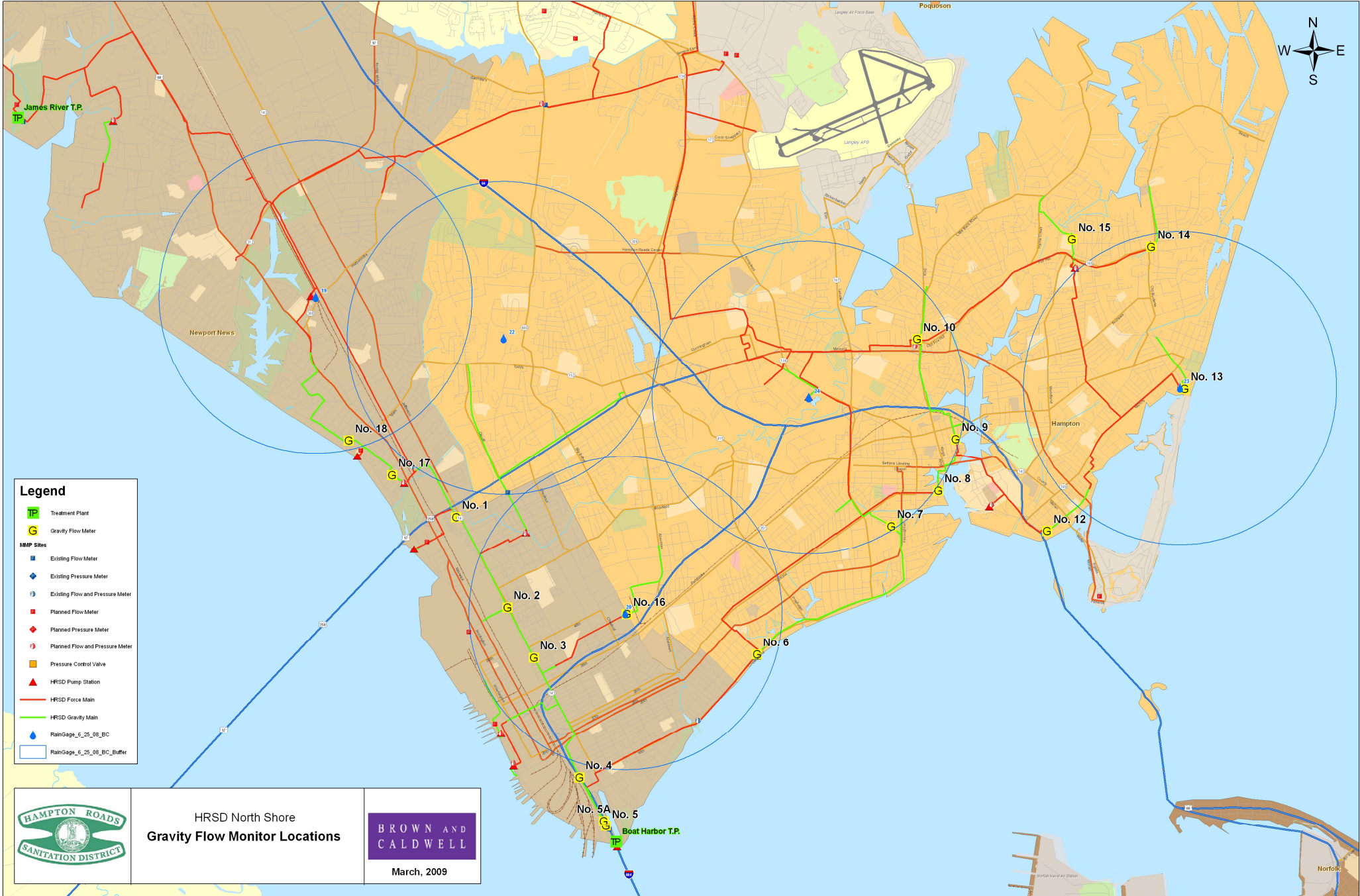
APPENDIX A: HRSD SEWER SYSTEM MAPS

North Shore Gravity Flow Monitor (SOC Program) Locations Map















South Shore Gravity Flow Monitor (SOC Program) Locations Map

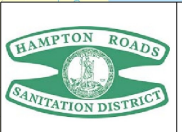
Figures A-1 through A-64: HRSD Service Area Maps

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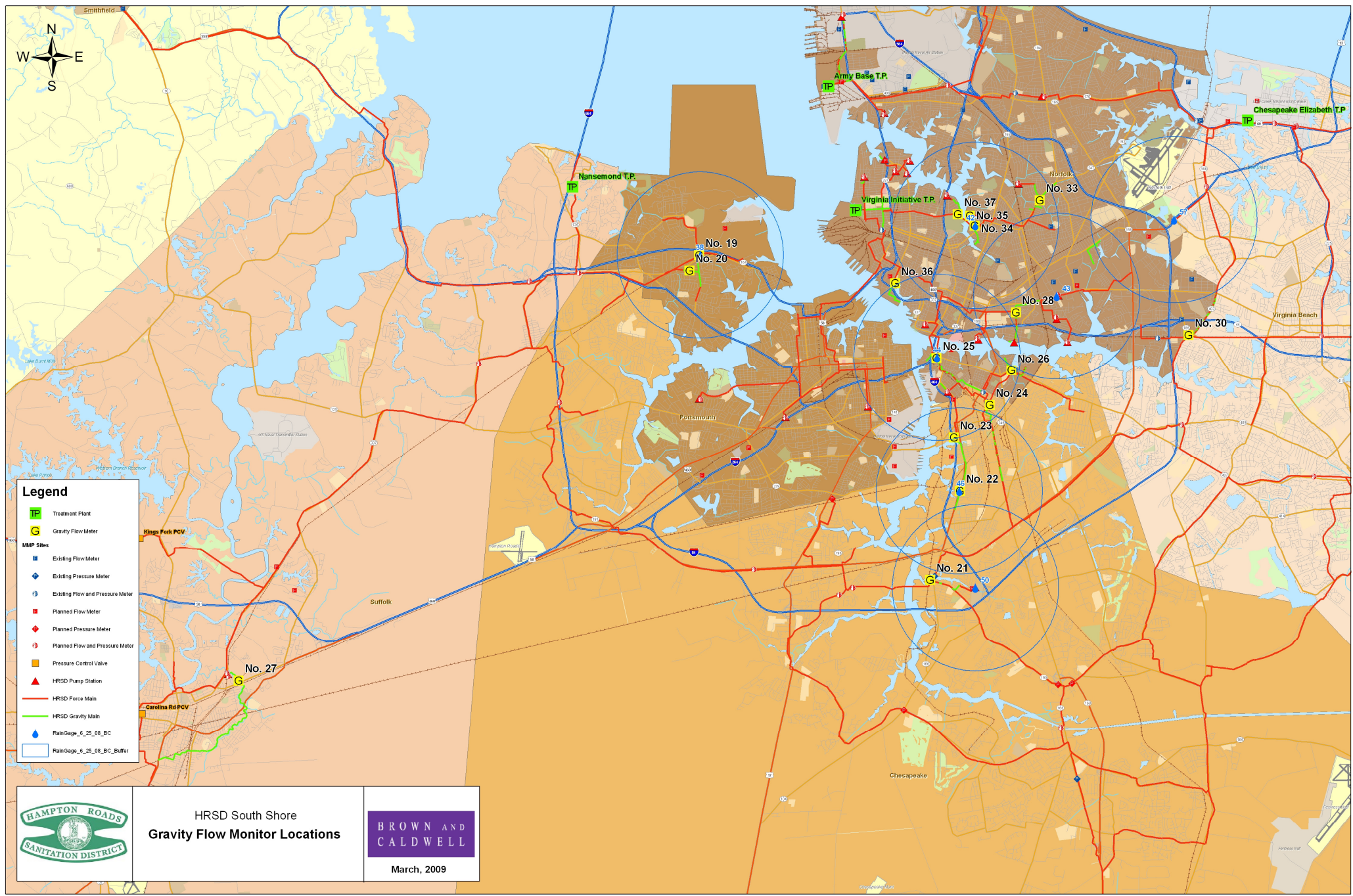
Legend

-  Treatment Plant
-  Gravity Flow Meter
- M&P Sites**
-  Existing Flow Meter
-  Existing Pressure Meter
-  Existing Flow and Pressure Meter
-  Planned Flow Meter
-  Planned Pressure Meter
-  Planned Flow and Pressure Meter
-  Pressure Control Valve
-  HRSD Pump Station
-  HRSD Force Main
-  HRSD Gravity Main
-  RainGage_6_25_08_BC
-  RainGage_6_25_08_BC_Buffer

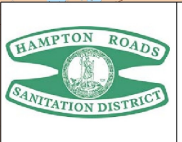


HRSD North Shore
Gravity Flow Monitor Locations

BROWN AND CALDWELL
March, 2009



- Legend**
- TP Treatment Plant
 - G Gravity Flow Meter
 - MAP Sites**
 - Existing Flow Meter
 - ◆ Existing Pressure Meter
 - ⊕ Existing Flow and Pressure Meter
 - Planned Flow Meter
 - ◆ Planned Pressure Meter
 - ⊕ Planned Flow and Pressure Meter
 - Pressure Control Valve
 - ▲ HRSD Pump Station
 - HRSD Force Main
 - HRSD Gravity Main
 - RainGage_6_25_08_BC
 - RainGage_6_25_08_BC_Buffer



HRSD South Shore
Gravity Flow Monitor Locations

BROWN AND CALDWELL
 March, 2009

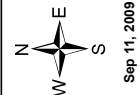
APPENDIX A: HRSD SEWER SYSTEM MAPS

Figures A-1 through A-64: HRSD Service Area Maps

Locality SSES basin delineation and status is based on information provide by Localities.

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Figure A-1
HRSD CAP
HRSD Pump Station:
25th



Sep 11, 2009

- Legend**
- PS HRSD Pump Stations
 - WP HRSD Treatment Plants
 - Hampton Pump Stations
 - James City County Pump Stations
 - Newport News Pump Stations
 - York County Pump Stations
 - HRSD Force Main
 - HRSD Gravity Main
 - Locality Gravity Sewer 10' and Greater
 - SSES Basins
 - Non SSES Basins
 - Excluded Basins
 - N/A

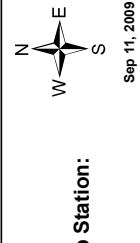
MAP KEY



BROWN AND CALDWELL



Figure A-2
HRSD CAP
HRSD Pump Station:
33rd



- Legend**
- PS HRSD Pump Stations
 - WP HRSD Treatment Plants
 - PS Hampton Pump Stations
 - PS James City County Pump Stations
 - PS Newport News Pump Stations
 - PS York County Pump Stations
 - HRSD Force Main
 - HRSD Gravity Main
 - Locality Gravity Sewer 10' and Greater
 - SSES Basins
 - Non SSES Basins
 - Excluded Basins
 - N/A

MAP KEY



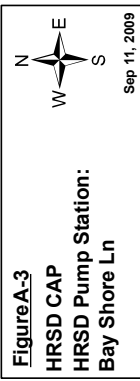
BROWN AND CALDWELL



Figure A-3

**HRSD CAP
HRSD Pump Station:
Bay Shore Ln**

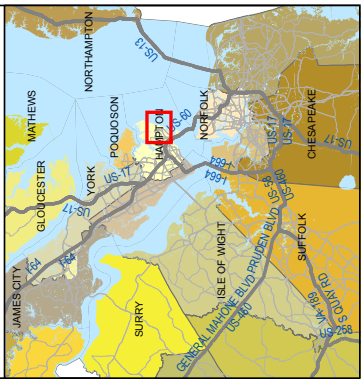
Sep 11, 2009



Legend

- PS HRSD Pump Stations
- WP HRSD Treatment Plants
- Hampton Pump Stations
- James City County Pump Stations
- Newport News Pump Stations
- York County Pump Stations
- HRSD Force Main
- HRSD Gravity Main
- Locality Force Main
- Locality Gravity Sewer 10" and Greater
- SSES Basins
- Non SSES Basins
- Excluded Basins
- N/A
- HRSD Pump Station Service Area
- Bay Shore Ln

MAP KEY



**BROWN AND
CALDWELL**

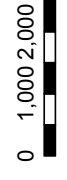


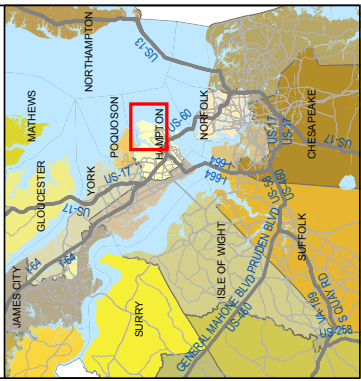
Figure A-4
HRSD CAP
HRSD Pump Station:
Bloxoms Corner

Sep 11, 2009



- Legend**
- PS HRSD Pump Stations
 - WP HRSD Treatment Plants
 - Hampton Pump Stations
 - James City County Pump Stations
 - Newport News Pump Stations
 - York County Pump Stations
 - HRSD Force Main
 - HRSD Gravity Main
 - Locality Force Main
 - Locality Gravity Sewer 10" and Greater
 - SSES Basins
 - Non SSES Basins
 - Excluded Basins
 - N/A
 - HRSD Pump Station Service Area
 - Bloxoms Corner

MAP KEY



BROWN AND CALDWELL

0 1,500 3,000 6,000 Feet

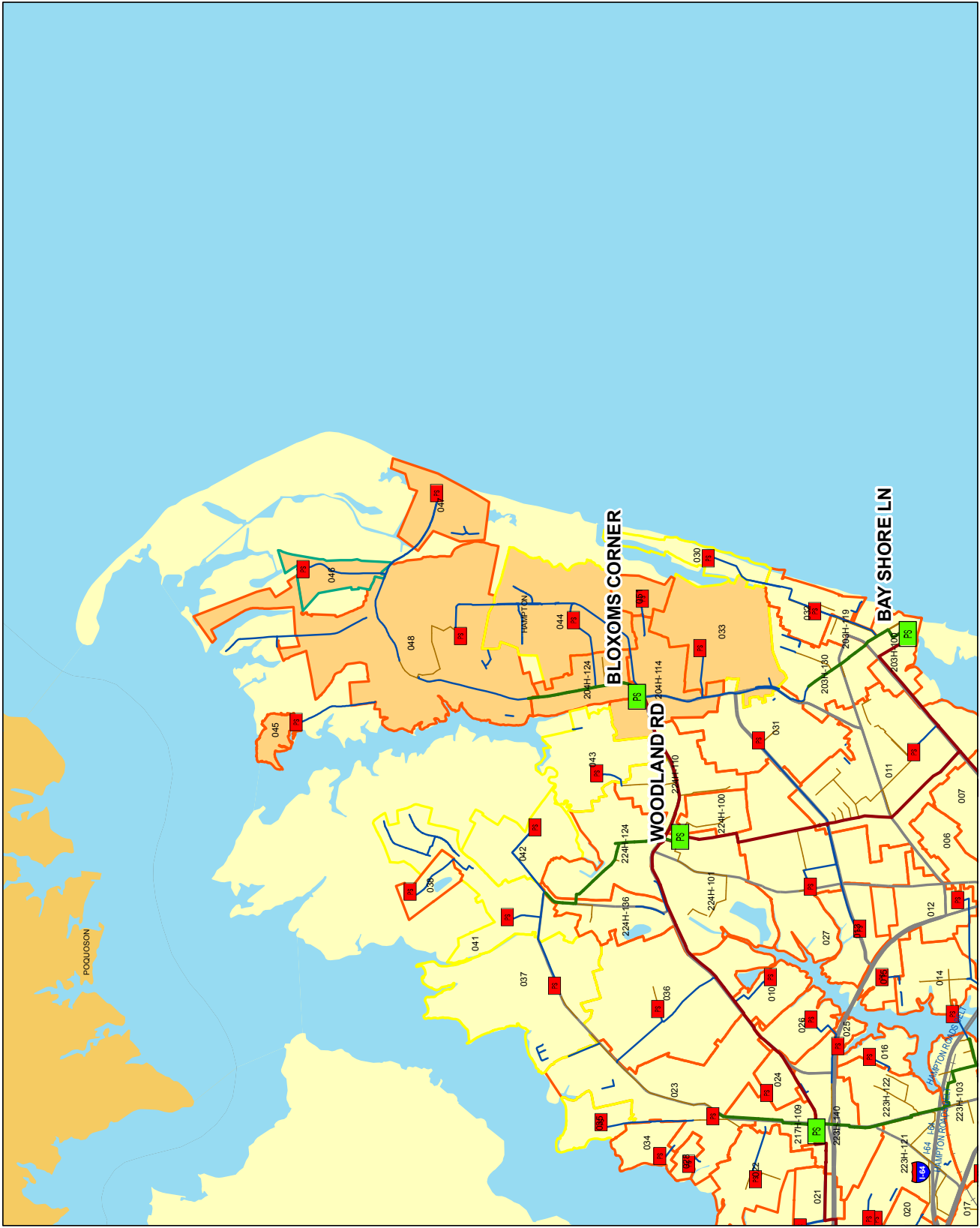
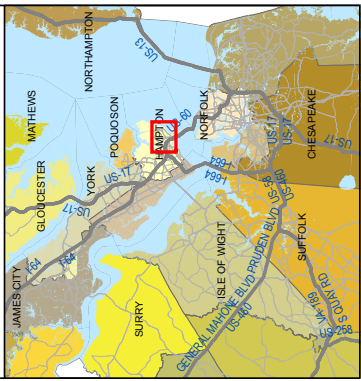


Figure A-5
HRSD CAP
HRSD Pump Station:
Bridge St

Sep 11, 2009

- Legend**
- PS HRSD Pump Stations
 - WP HRSD Treatment Plants
 - Hampton Pump Stations
 - James City County Pump Stations
 - Newport News Pump Stations
 - York County Pump Stations
 - HRSD Force Main
 - HRSD Gravity Main
 - Locality Gravity Sewer 10" and Greater
 - SSES Basins
 - Non SSES Basins
 - Excluded Basins
 - N/A
- HRSD Pump Station Service Area**
- Re-Pumped Bay Shore Ln Area
 - Bridge St
 - Re-Pumped Washington St Area
 - Re-Pumped Willard Ave Area

MAP KEY



BROWN AND CALDWELL

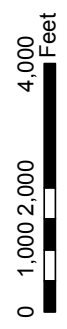


Figure A-6
HRSD CAP
HRSD Pump Station:
Center Ave

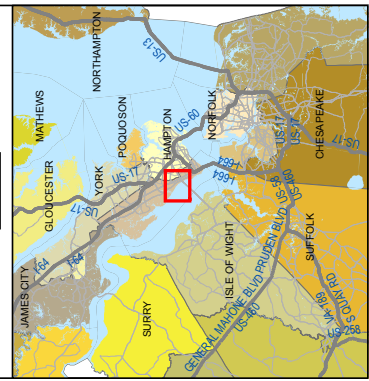
Sep 11, 2009



Legend

- PS HRSD Pump Stations
- WP HRSD Treatment Plants
- Hampton Pump Stations
- James City County Pump Stations
- Newport News Pump Stations
- York County Pump Stations
- HRSD Force Main
- HRSD Gravity Main
- Locality Force Main
- Locality Gravity Sewer 10" and Greater
- SSES Basins
- Non SSES Basins
- Excluded Basins
- N/A
- HRSD Pump Station Service Area
- Center Ave
- Re-Pumped Hilton School Area

MAP KEY



BROWN AND CALDWELL

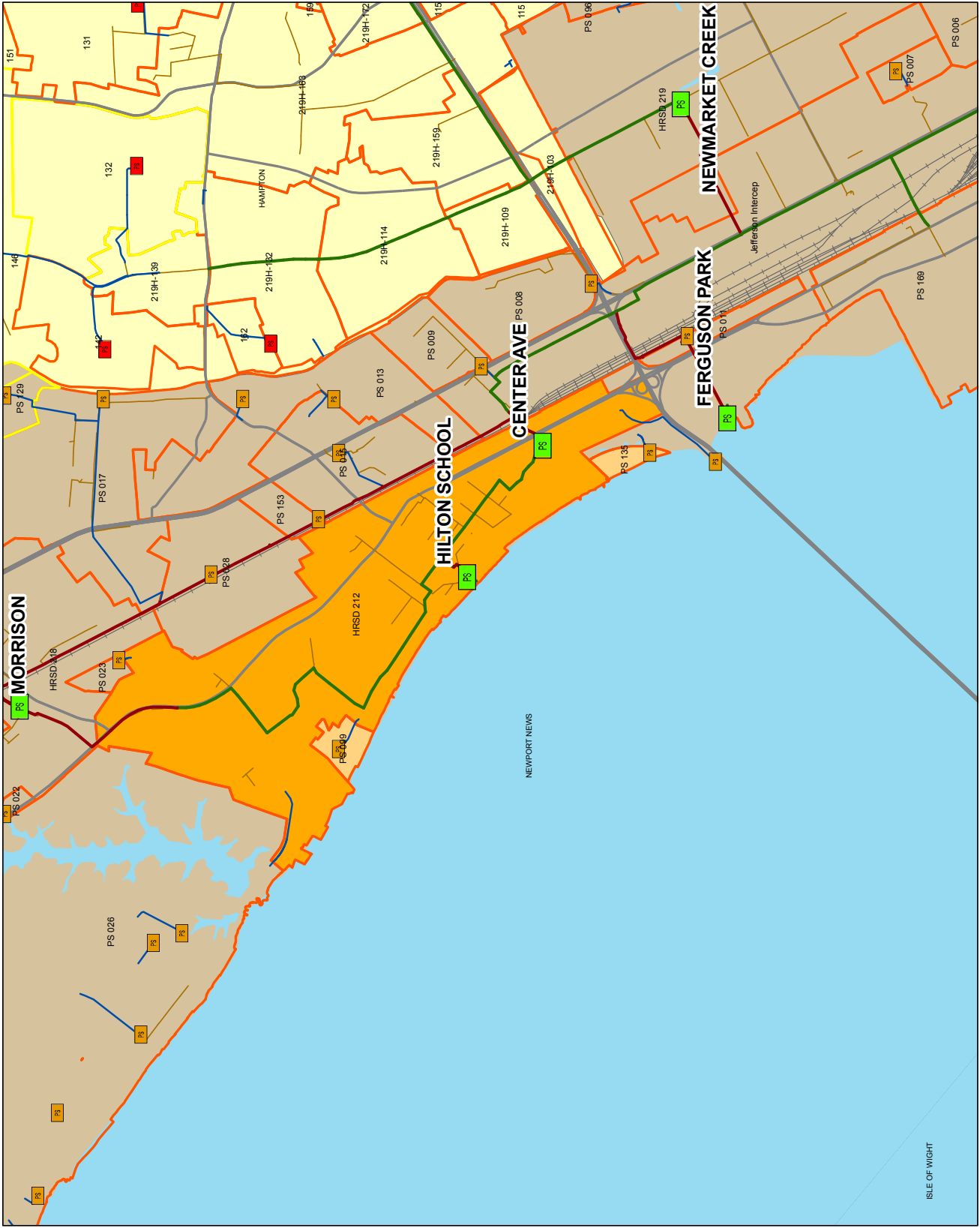


Figure A-7
HRSD CAP
HRSD Pump Station:
Claremont Ave

North Arrow
 N
 W E
 S
 Sep 11, 2009

- Legend**
- PS HRSD Pump Stations
 - TP HRSD Treatment Plants
 - Hampton Pump Stations
 - James City County Pump Stations
 - Newport News Pump Stations
 - York County Pump Stations
 - HRSD Force Main
 - HRSD Gravity Main
 - Locality Force Main
 - Locality Gravity Sewer 10" and Greater
 - SSES Basins
 - Non SSES Basins
 - Excluded Basins
 - N/A
 - HRSD Pump Station Service Area
 - Claremont Ave

MAP KEY





















BROWN AND CALDWELL



Figure A-8
HRSD CAP
HRSD Pump Station:
Colonial Williamsburg

Sep 11, 2009



- Legend**
-  HRSD Pump Stations
 -  HRSD Treatment Plants
 -  Hampton Pump Stations
 -  James City County Pump Stations
 -  Newport News Pump Stations
 -  York County Pump Stations
 -  HRSD Force Main
 -  HRSD Gravity Main
 -  Locality Force Main
 -  Locality Gravity Sewer 10" and Greater
 -  Williamsburg Sewer Mains
 -  SSES Basins
 -  Non SSES Basins
 -  Excluded Basins
 -  N/A
 -  HRSD Pump Station Service Area
 -  Colonial Williamsburg

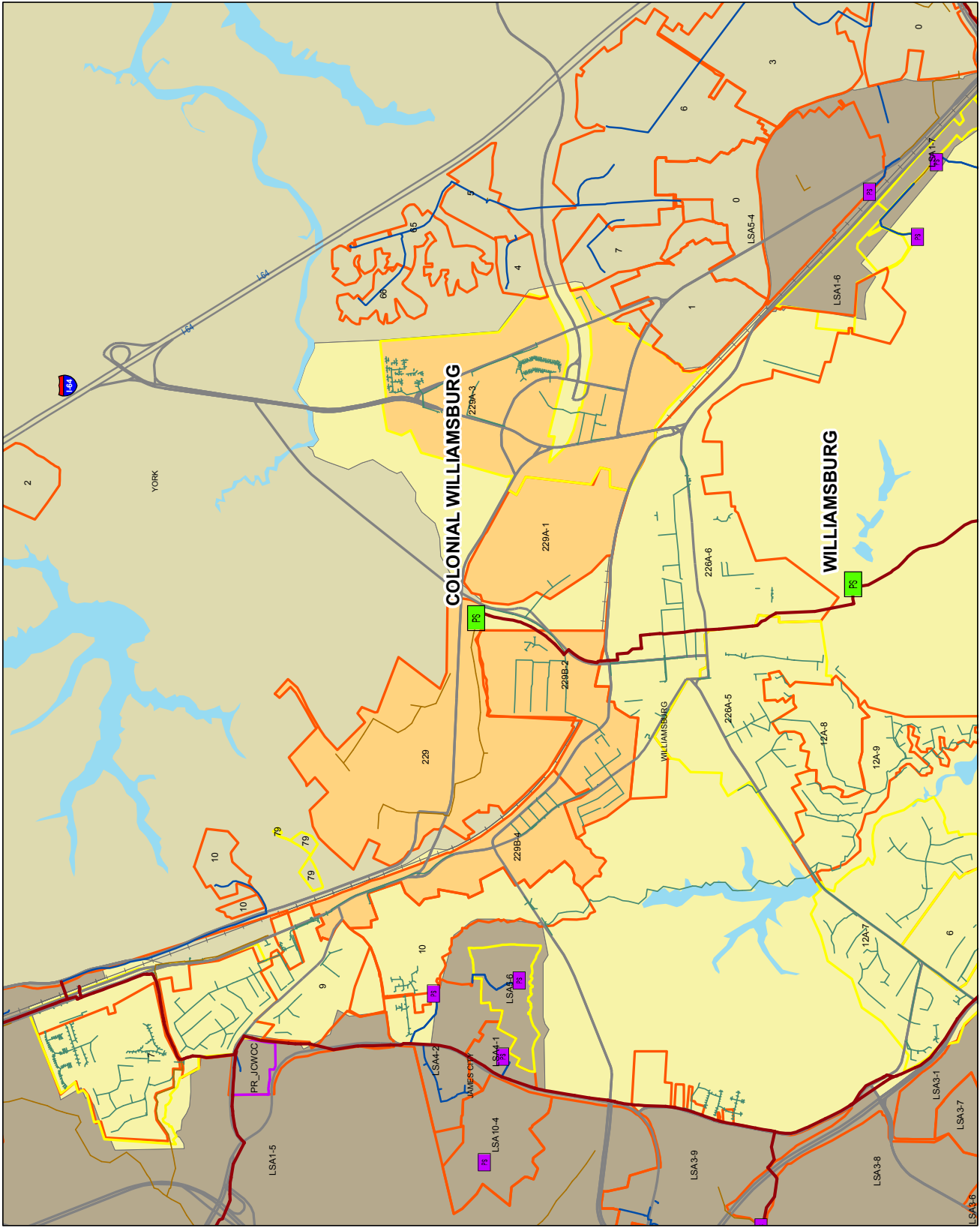
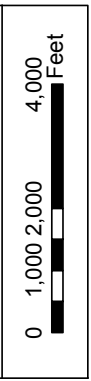
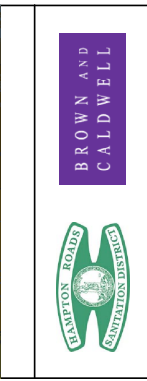
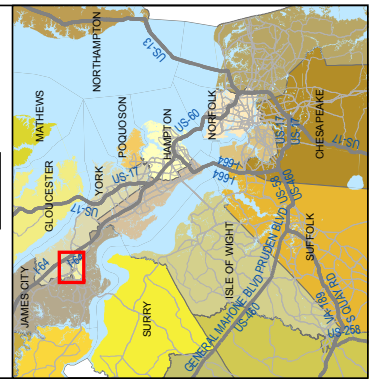
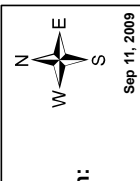


Figure A-9
HRSD CAP
HRSD Pump Station:
Copeland Park

Sep 11, 2009



- Legend**
- PS HRSD Pump Stations
 - WP HRSD Treatment Plants
 - PS Hampton Pump Stations
 - PS James City County Pump Stations
 - PS Newport News Pump Stations
 - PS York County Pump Stations
 - HRSD Force Main
 - HRSD Gravity Main
 - Locality Force Main
 - Locality Gravity Sewer 10" and Greater
 - SSES Basins
 - Non SSES Basins
 - Excluded Basins
 - N/A
 - HRSD Pump Station Service Area
 - Copeland Park

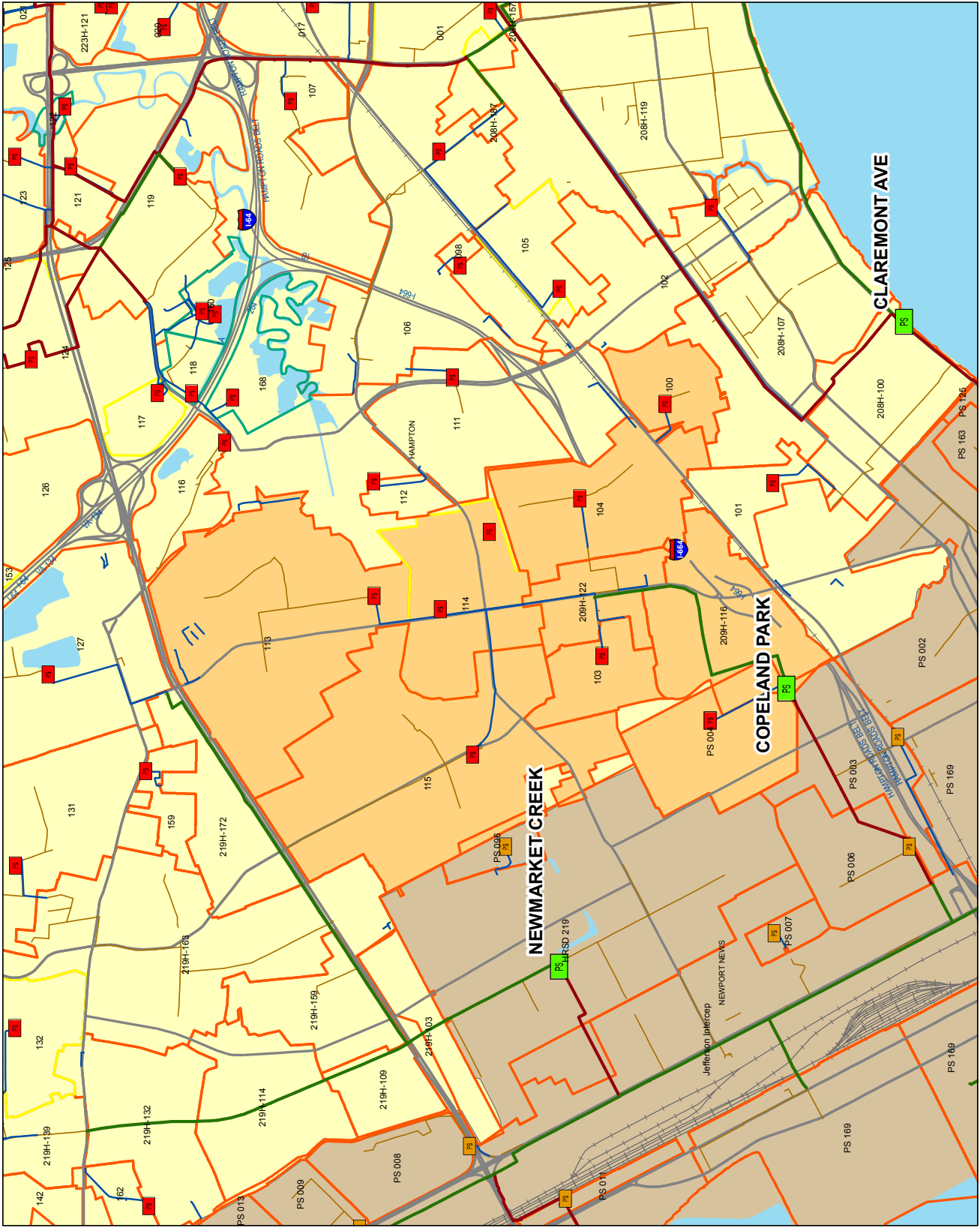
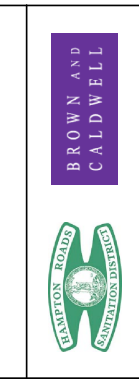
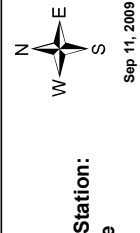


Figure A-10
HRSD CAP
HRSD Pump Station:
Ferguson Ave



- Legend**
- PS HRSD Pump Stations
 - WP HRSD Treatment Plants
 - Hampton Pump Stations
 - James City County Pump Stations
 - Newport News Pump Stations
 - York County Pump Stations
 - HRSD Force Main
 - HRSD Gravity Main
 - Locality Force Main
 - Locality Gravity Sewer 10' and Greater
 - SSES Basins
 - Non SSES Basins
 - Excluded Basins
 - N/A

MAP KEY



BROWN AND CALDWELL

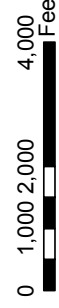


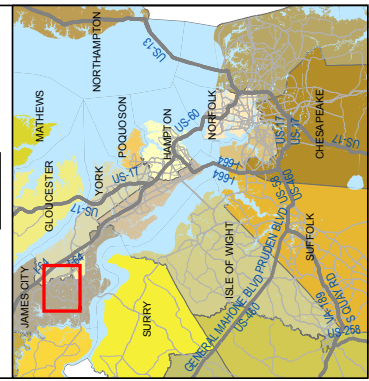
Figure A-11
HRSD CAP
HRSD Pump Station:
Fords Colony

Sep 11, 2009



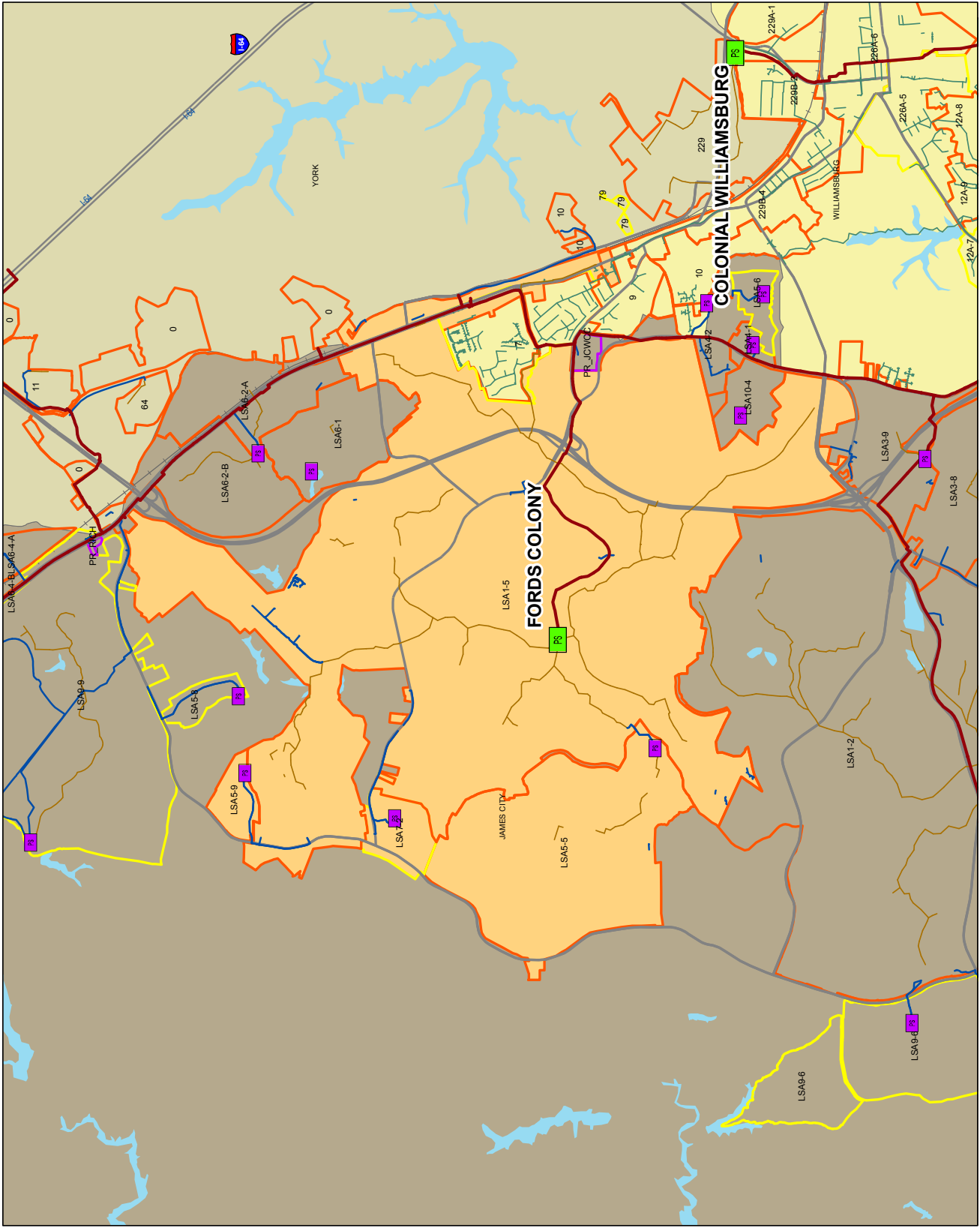
- Legend**
- HRSD Pump Stations
 - HRSD Treatment Plants
 - Hampton Pump Stations
 - James City County Pump Stations
 - Newport News Pump Stations
 - York County Pump Stations
 - HRSD Force Main
 - HRSD Gravity Main
 - Locality Force Main
 - Locality Gravity Sewer 10" and Greater
 - SSES Basins
 - Non SSES Basins
 - Excluded Basins
 - N/A
 - HRSD Pump Station Service Area
 - Fords Colony

MAP KEY



BROWN AND CALDWELL

0 1,500 3,000 6,000 Feet



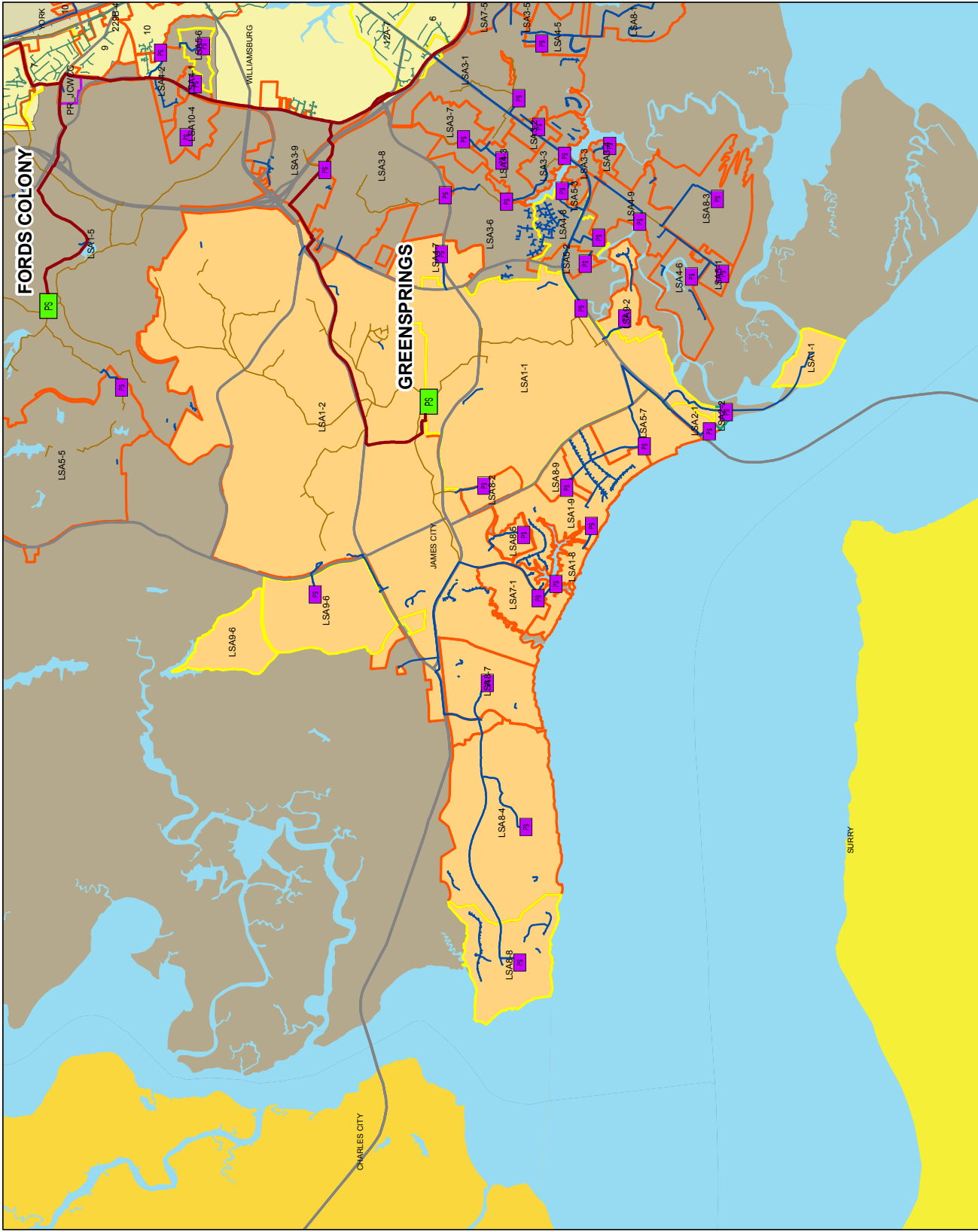
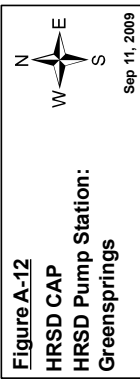


Figure A-12
HRSD CAP
HRSD Pump Station:
Greensprings

Sep 11, 2009



- Legend**
- PS HRSD Pump Stations
 - TP HRSD Treatment Plants
 - Hampton Pump Stations
 - James City County Pump Stations
 - Newport News Pump Stations
 - York County Pump Stations
 - HRSD Force Main
 - HRSD Gravity Main
 - Locality Gravity Main
 - Locality Gravity Sewer 10" and Greater
 - SSES Basins
 - Non SSES Basins
 - Excluded Basins
 - N/A
 - HRSD Pump Station Service Area
 - Greensprings

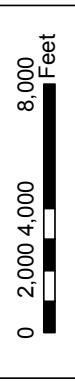
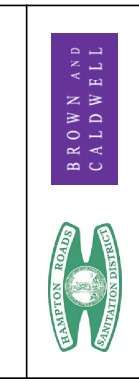
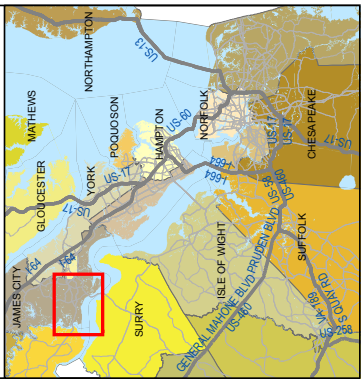
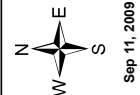


Figure A-13
HRSD CAP
HRSD Pump Station:
Hilton School



Sep 11, 2009

Legend

- PS HRSD Pump Stations
- WTP HRSD Treatment Plants
- Hampton Pump Stations
- James City County Pump Stations
- Newport News Pump Stations
- York County Pump Stations
- HRSD Force Main
- HRSD Gravity Main
- Locality Gravity Sewer 10" and Greater
- SSES Basins
- Non SSES Basins
- Excluded Basins
- N/A

MAP KEY



BROWN AND CALDWELL

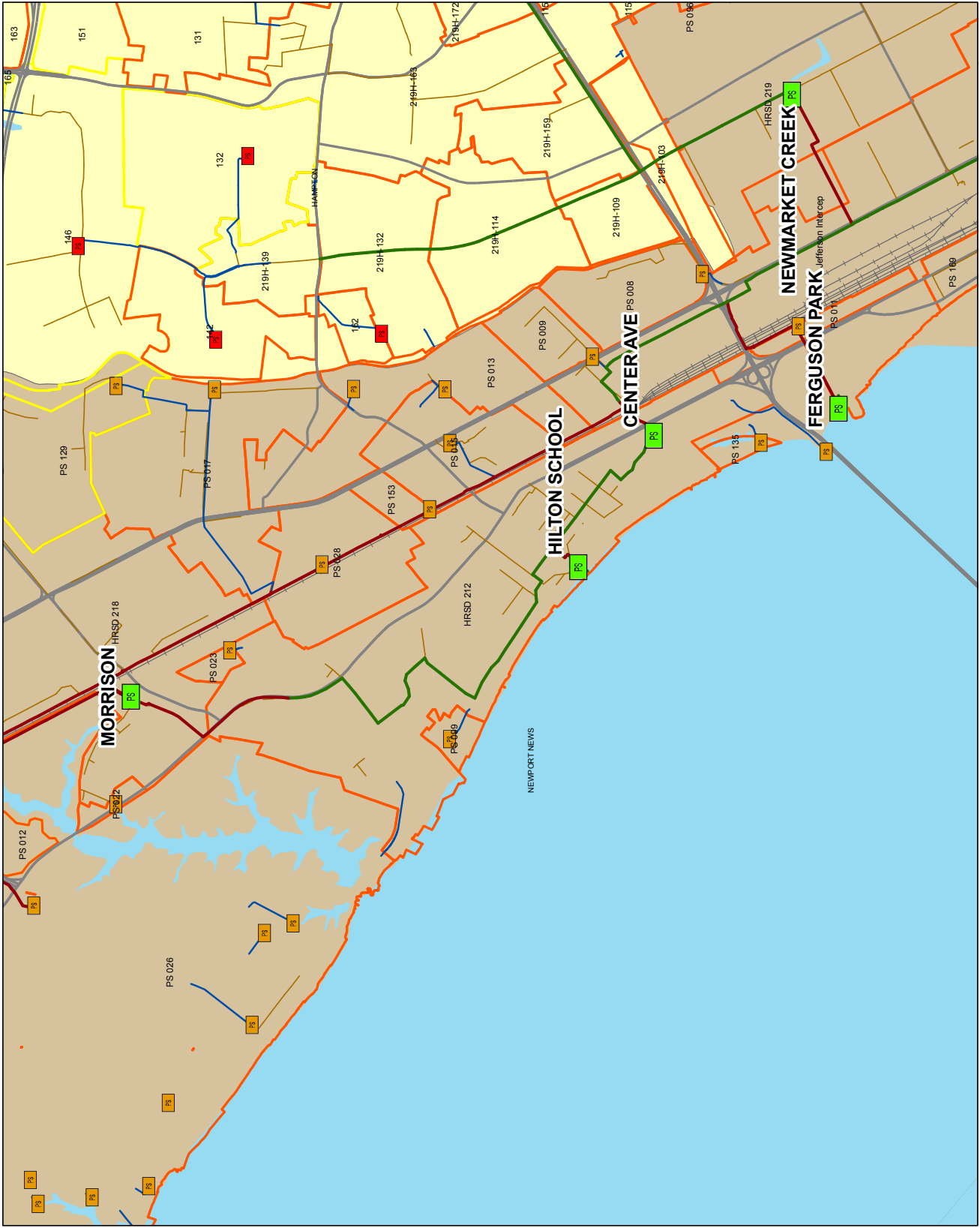
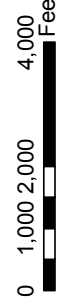
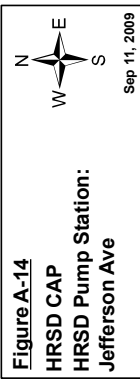




Figure A-14
HRSD CAP
HRSD Pump Station:
Jefferson Ave

Sep 11, 2009



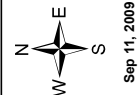
- Legend**
- PS HRSD Pump Stations
 - WP HRSD Treatment Plants
 - Hampton Pump Stations
 - James City County Pump Stations
 - Newport News Pump Stations
 - York County Pump Stations
 - HRSD Force Main
 - HRSD Gravity Main
 - Locality Force Main
 - Locality Gravity Sewer "10" and Greater
 - SSES Basins
 - Non SSES Basins
 - Excluded Basins
 - N/A



BROWN AND CALDWELL

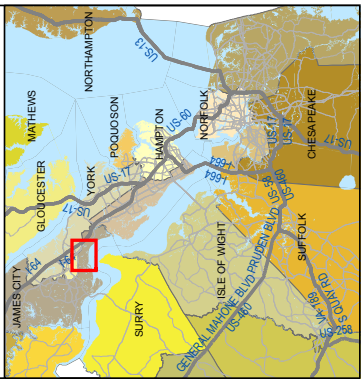
0 1,000 2,000 4,000 Feet

Figure A-15
HRSD CAP
HRSD Pump Station:
Kingsmill



- Legend**
- PS HRSD Pump Stations
 - WP HRSD Treatment Plants
 - Hampton Pump Stations
 - James City County Pump Stations
 - Newport News Pump Stations
 - York County Pump Stations
 - HRSD Force Main
 - HRSD Gravity Main
 - Locality Force Main
 - Locality Gravity Sewer 10" and Greater
 - SSES Basins
 - Non SSES Basins
 - Excluded Basins
 - N/A
 - HRSD Pump Station Service Area
 - Kingsmill

MAP KEY



BROWN AND CALDWELL

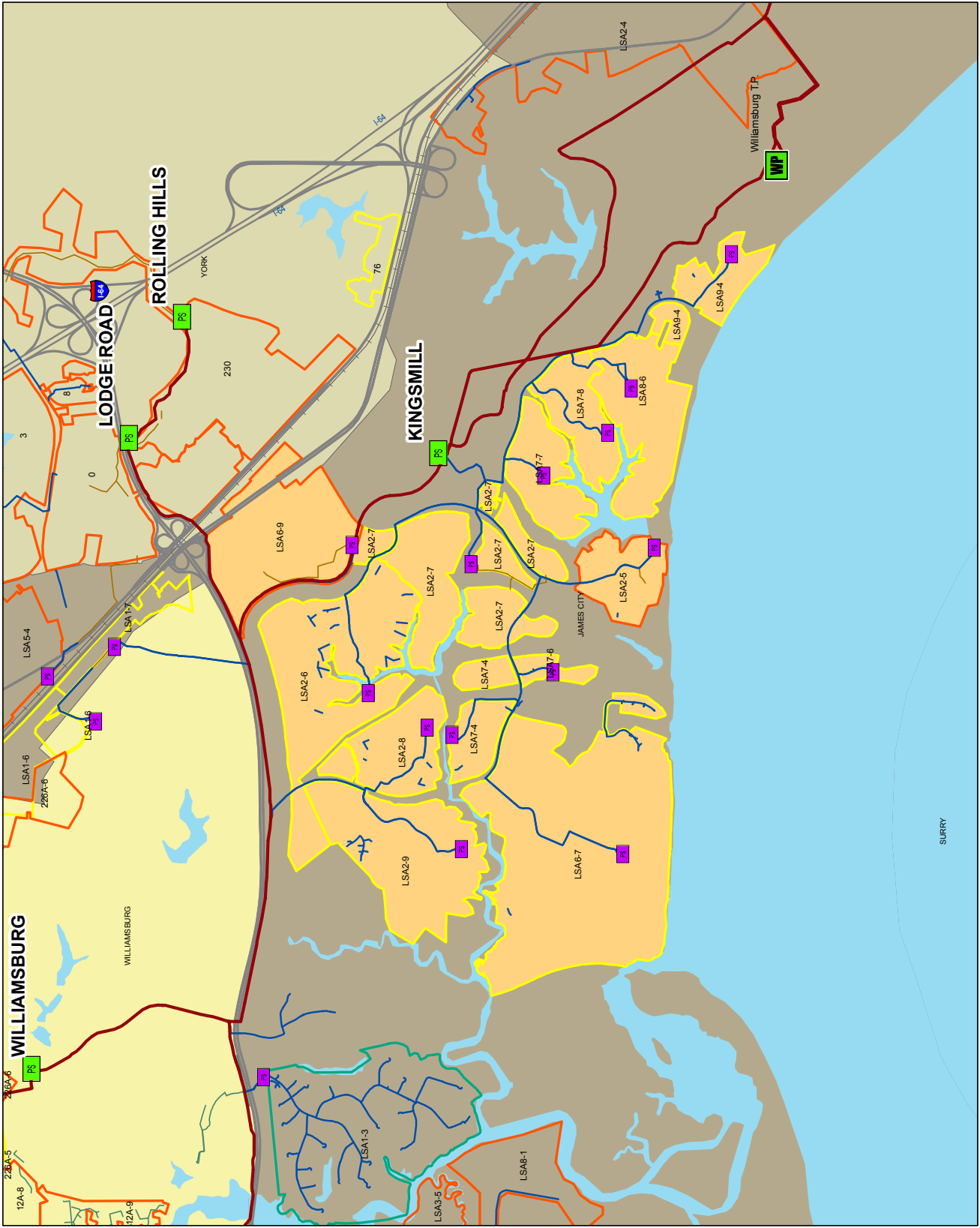
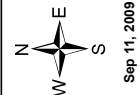


Figure A-16
HRSD CAP
HRSD Pump Station:
Langley Circle



- Legend**
- PS HRSD Pump Stations
 - WP HRSD Treatment Plants
 - Hampton Pump Stations
 - James City County Pump Stations
 - Newport News Pump Stations
 - York County Pump Stations
 - HRSD Force Main
 - HRSD Gravity Main
 - Locality Force Main
 - Locality Gravity Sewer 10" and Greater
 - SSES Basins
 - Non SSES Basins
 - Excluded Basins
 - N/A
 - HRSD Pump Station Service Area
 - Langley Circle

MAP KEY



BROWN AND CALDWELL

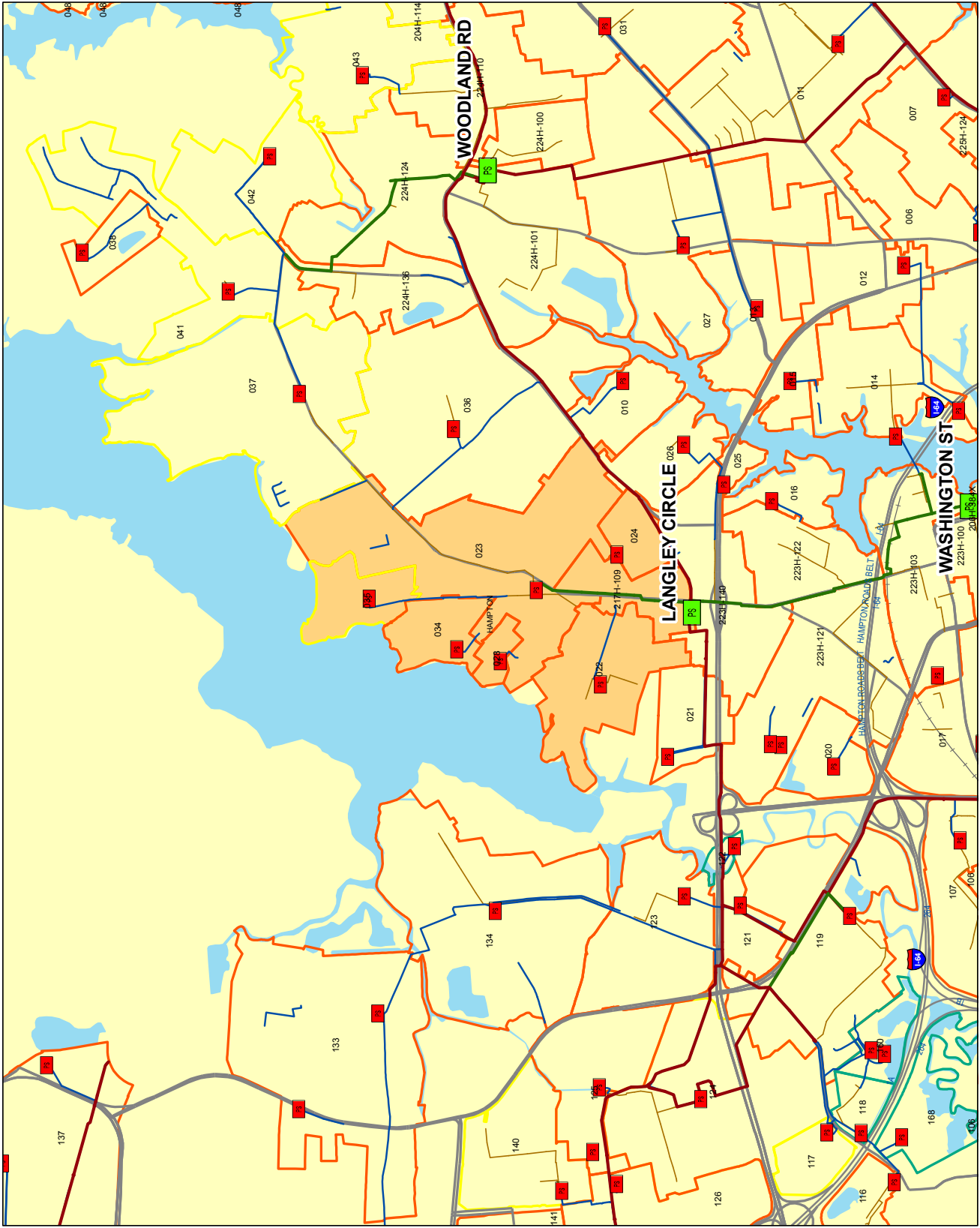
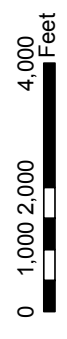


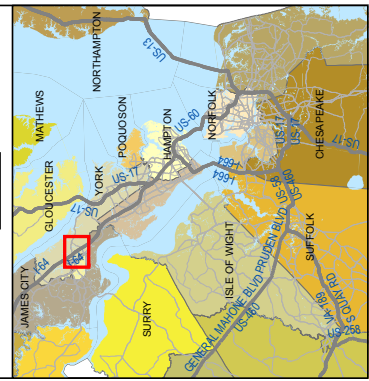
Figure A-17
HRSD CAP
HRSD Pump Station:
Lodge Rd



Sep 11, 2009

- Legend**
- PS HRSD Pump Stations
 - WTP HRSD Treatment Plants
 - Hampton Pump Stations
 - James City County Pump Stations
 - Newport News Pump Stations
 - York County Pump Stations
 - HRSD Force Main
 - HRSD Gravity Main
 - Locality Gravity Main
 - Locality Gravity Sewer 10" and Greater
 - Williamsburg Sewer Mains
 - SSES Basins
 - Non SSES Basins
 - Excluded Basins
 - N/A
 - HRSD Pump Station Service Area
 - Lodge Rd

MAP KEY



BROWN AND CALDWELL

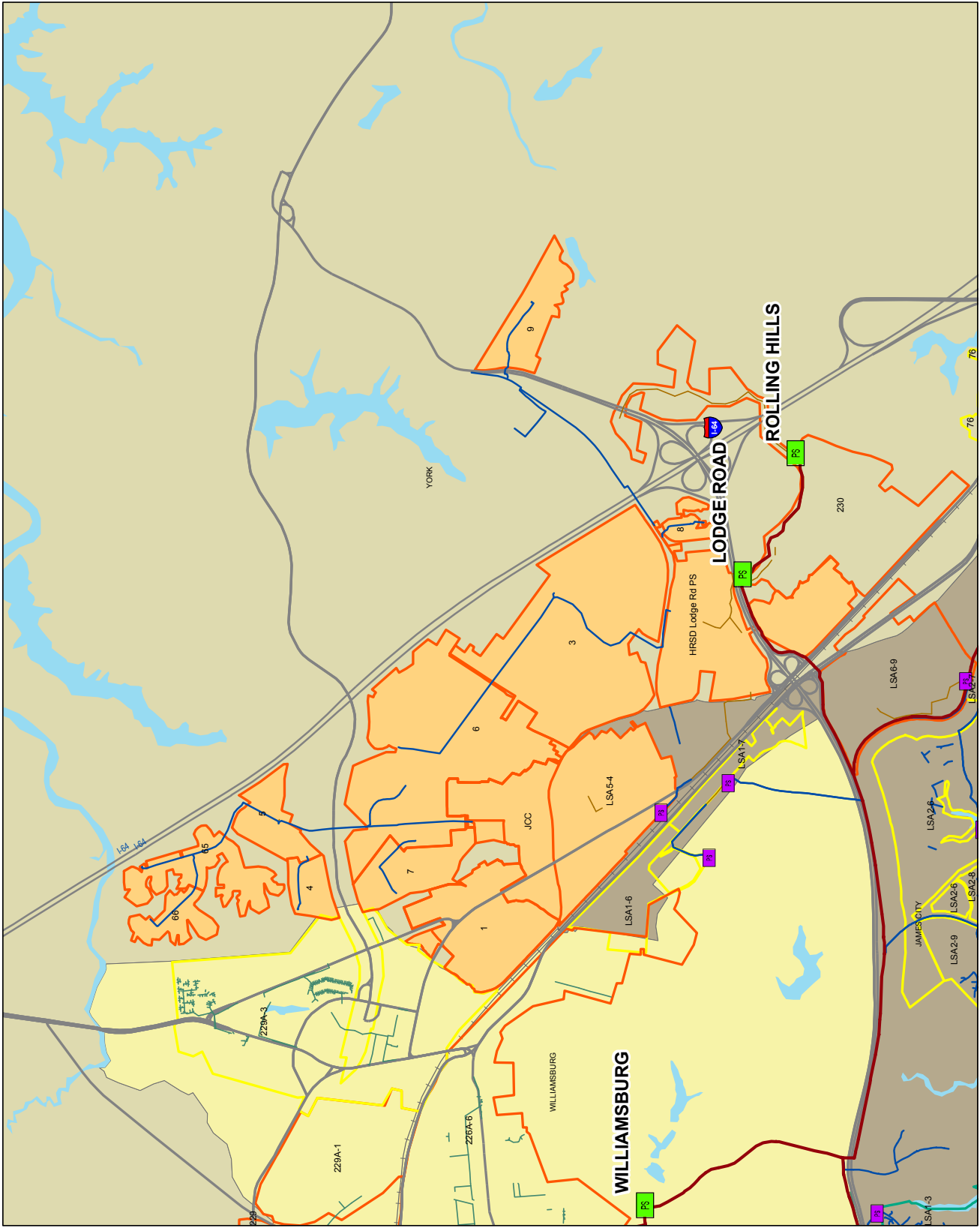


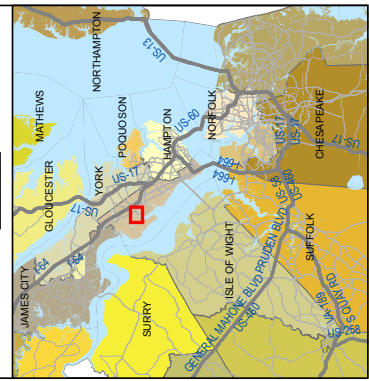
Figure A-18
HRSD CAP
HRSD Pump Station:
Lucas Creek

Sep 11, 2009



- Legend**
- PS HRSD Pump Stations
 - HRSD Treatment Plants
 - Hampton Pump Stations
 - James City County Pump Stations
 - Newport News Pump Stations
 - York County Pump Stations
 - HRSD Force Main
 - HRSD Gravity Main
 - Locality Force Main
 - Locality Gravity Sewer 10" and Greater
 - SSES Basins
 - Non SSES Basins
 - Excluded Basins
 - N/A
 - HRSD Pump Station Service Area
 - Lucas Creek

MAP KEY



BROWN AND CALDWELL

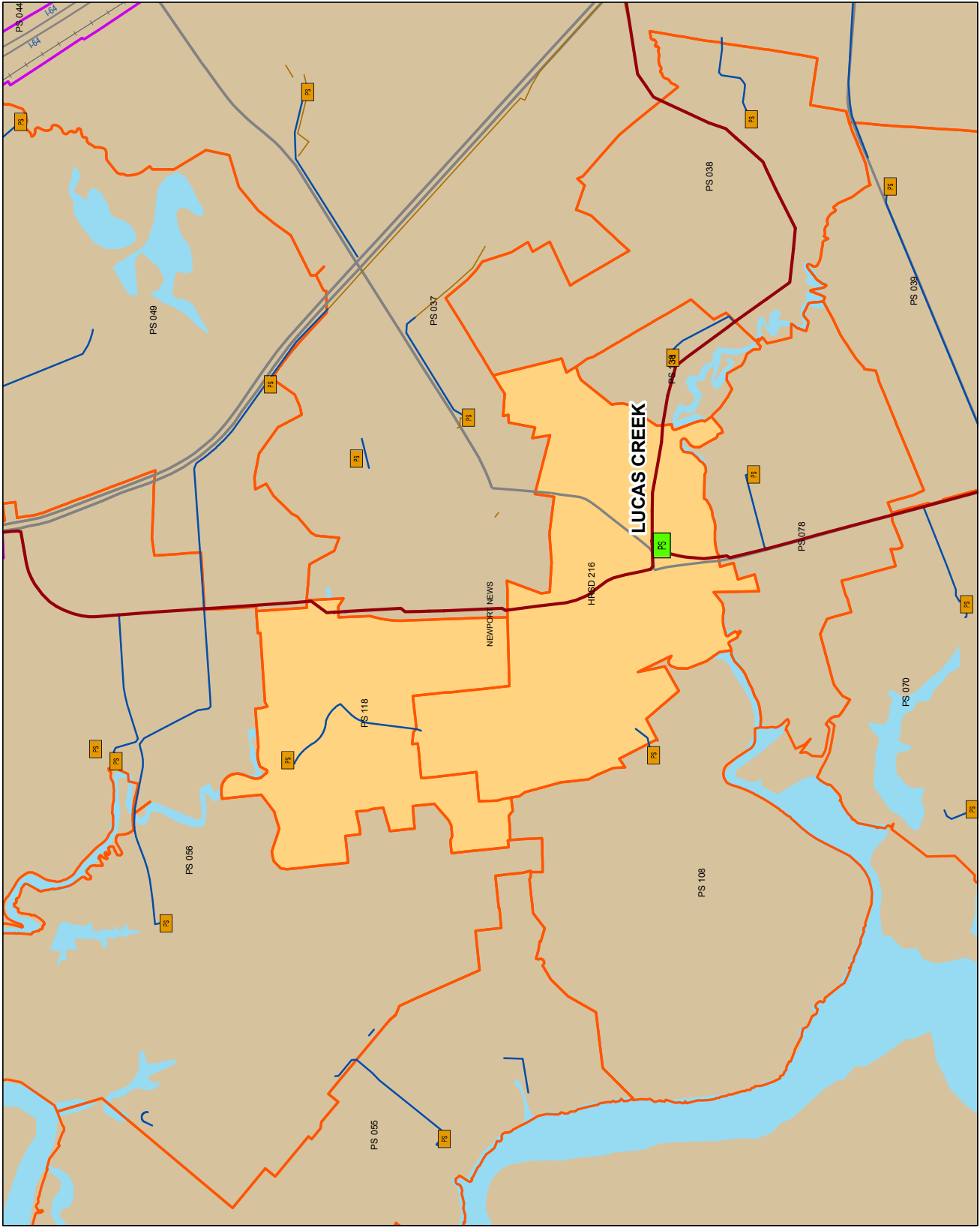
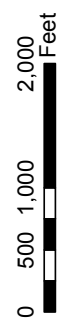
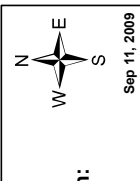


Figure A-19
HRSD CAP
HRSD Pump Station:
Morrison

Sep 11, 2009



- Legend**
- HRSD Pump Stations
 - HRSD Treatment Plants
 - Hampton Pump Stations
 - James City County Pump Stations
 - Newport News Pump Stations
 - York County Pump Stations
 - HRSD Force Main
 - HRSD Gravity Main
 - Locality Force Main
 - Locality Gravity Sewer 10" and Greater
 - SSES Basins
 - Non SSES Basins
 - Excluded Basins
 - N/A
 - HRSD Pump Station Service Area
 - Morrison

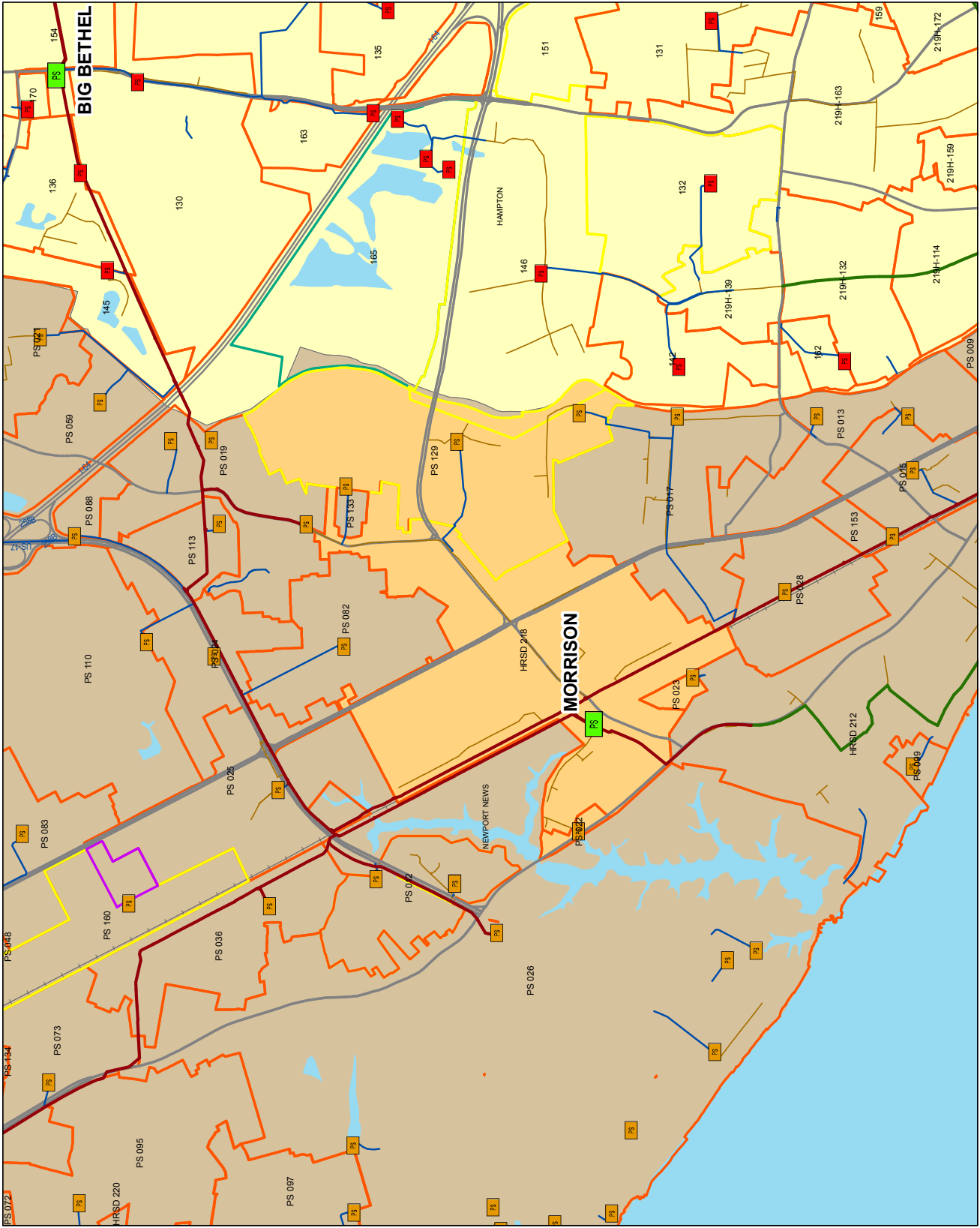
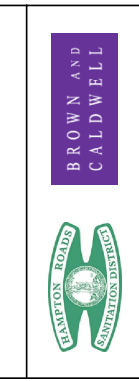
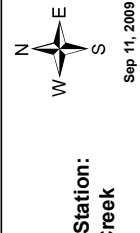


Figure A-20
HRSD CAP
HRSD Pump Station:
Newmarket Creek



- Legend**
- PS HRSD Pump Stations
 - WTP HRSD Treatment Plants
 - Hampton Pump Stations
 - James City County Pump Stations
 - Newport News Pump Stations
 - York County Pump Stations
 - HRSD Force Main
 - HRSD Gravity Main
 - Locality Force Main
 - Locality Gravity Sewer 10" and Greater
 - SSES Basins
 - Non SSES Basins
 - Excluded Basins
 - N/A
 - HRSD Pump Station Service Area
 - Newmarket Creek

MAP KEY



BROWN AND CALDWELL

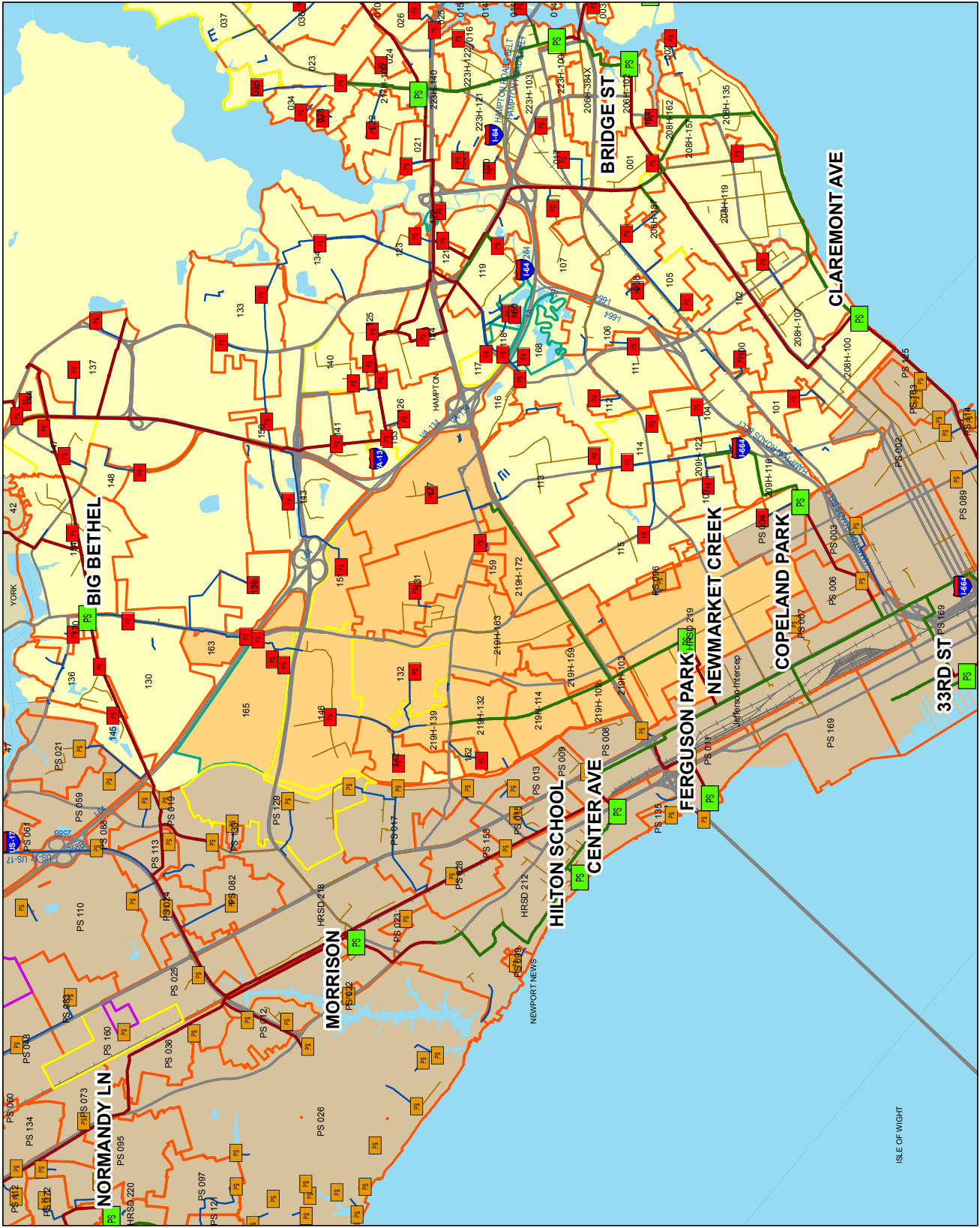


Figure A-21
HRSD CAP
HRSD Pump Station:
Normandy Ln

North Arrow
 N
 W E
 S
 Sep 11, 2009

- Legend**
- PS HRSD Pump Stations
 - WP HRSD Treatment Plants
 - Hampton Pump Stations
 - James City County Pump Stations
 - Newport News Pump Stations
 - York County Pump Stations
 - HRSD Force Main
 - HRSD Gravity Main
 - Locality Force Main
 - Locality Gravity Sewer 10" and Greater
 - SSES Basins
 - Non SSES Basins
 - Excluded Basins
 - N/A
 - HRSD Pump Station Service Area
 - Normandy Ln

MAP KEY



BROWN AND CALDWELL

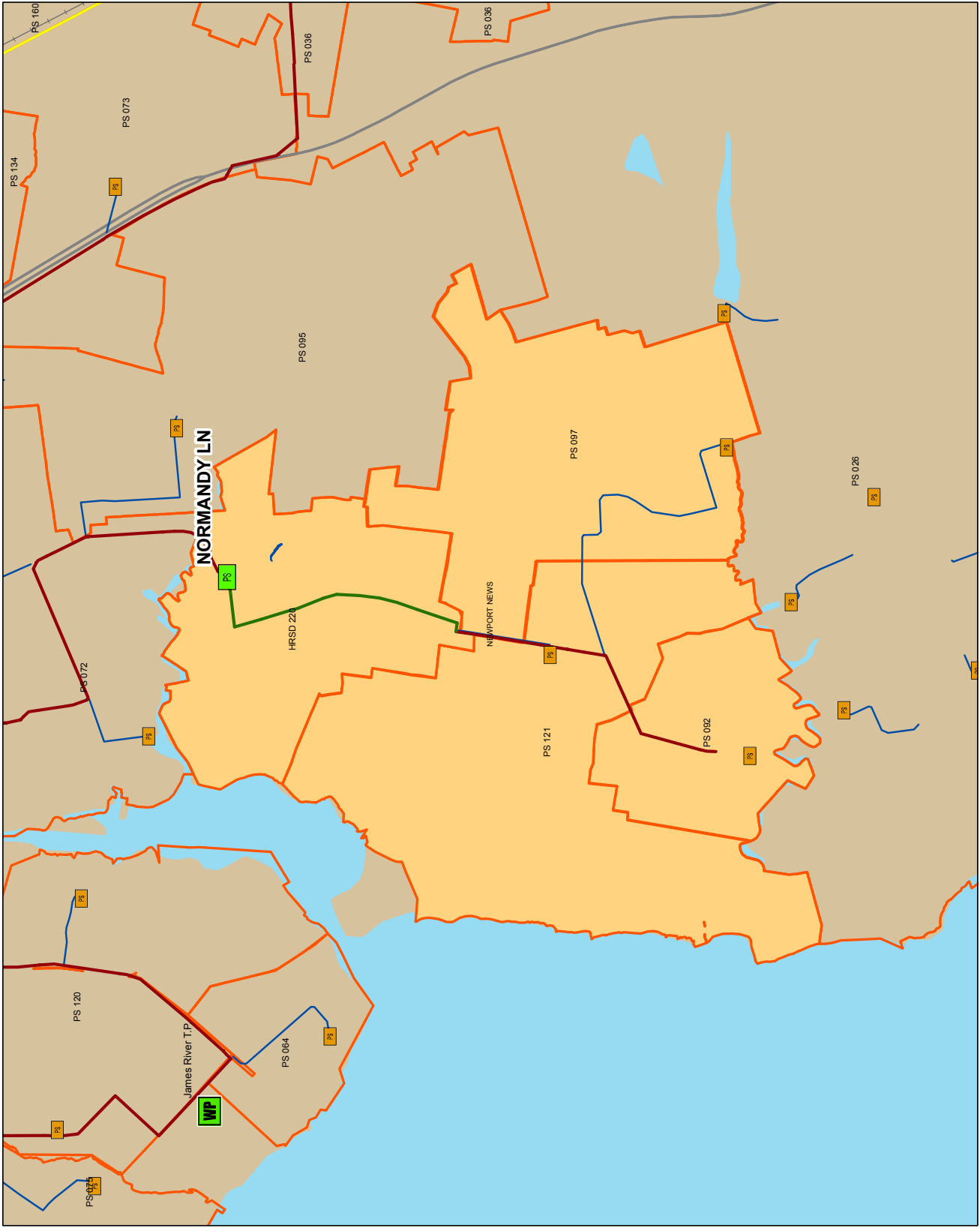
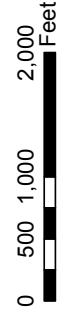
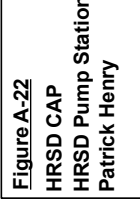


Figure A-22
HRSD CAP
HRSD Pump Station:
Patrick Henry

Sep 11, 2009



- Legend**
- PS HRSD Pump Stations
 - WTP HRSD Treatment Plants
 - Hampton Pump Stations
 - James City County Pump Stations
 - Newport News Pump Stations
 - York County Pump Stations
 - HRSD Force Main
 - HRSD Gravity Main
 - Locality Force Main
 - Locality Gravity Sewer 10" and Greater
 - SSES Basins
 - Non SSES Basins
 - Excluded Basins
 - N/A
 - HRSD Pump Station Service Area
 - Patrick Henry

MAP KEY



BROWN AND CALDWELL

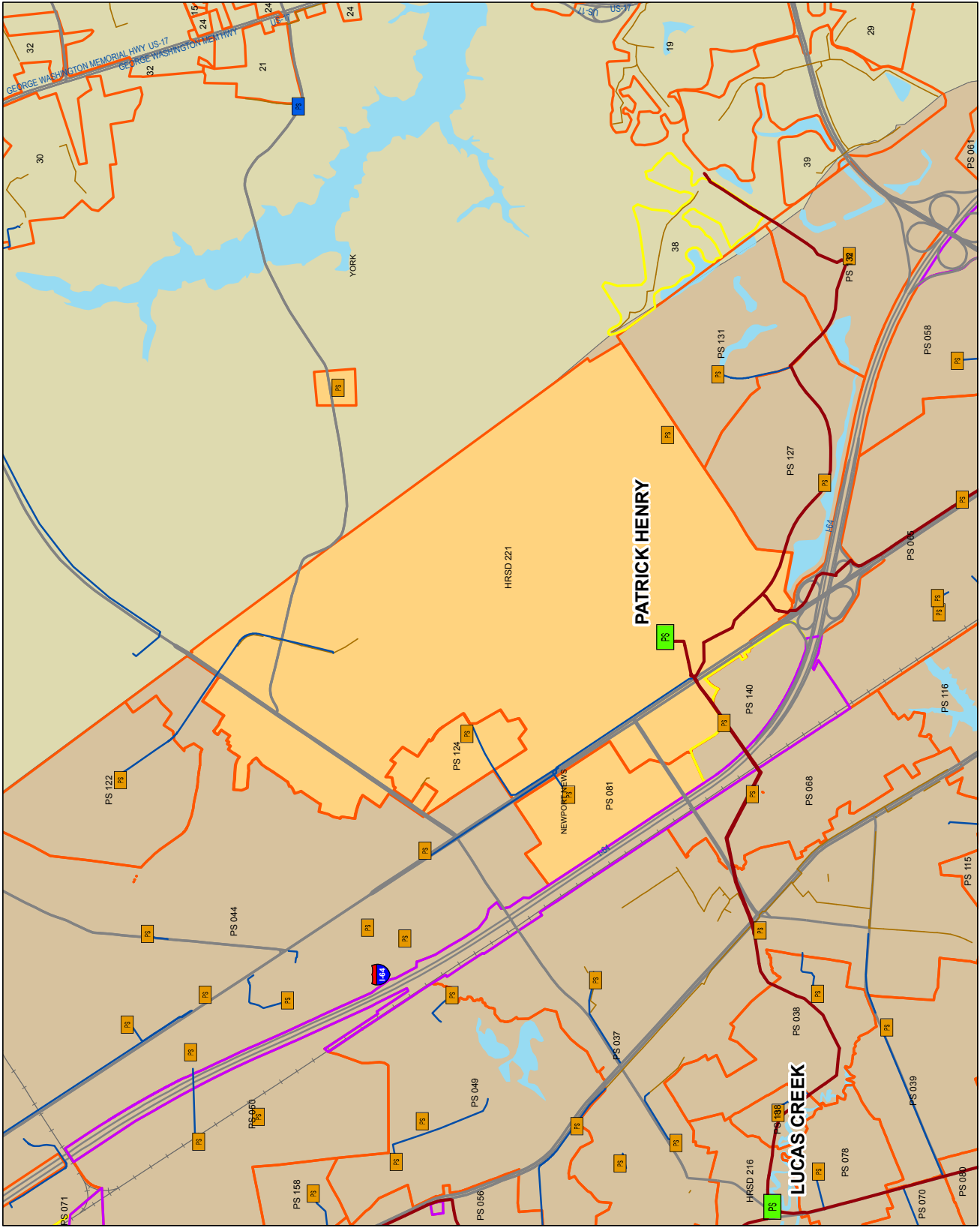
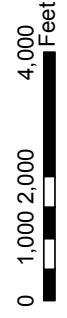


Figure A-23
HRSD CAP
HRSD Pump Station:
Rolling Hills

Sep 11, 2009

- Legend**
- PS HRSD Pump Stations
 - WTP HRSD Treatment Plants
 - Hampton Pump Stations
 - James City County Pump Stations
 - Newport News Pump Stations
 - York County Pump Stations
 - HRSD Force Main
 - HRSD Gravity Main
 - Locality Force Main
 - Locality Gravity Sewer 10" and Greater
 - SSES Basins
 - Non SSES Basins
 - Excluded Basins
 - N/A
 - HRSD Pump Station Service Area
 - Rolling Hills

MAP KEY



BROWN AND CALDWELL

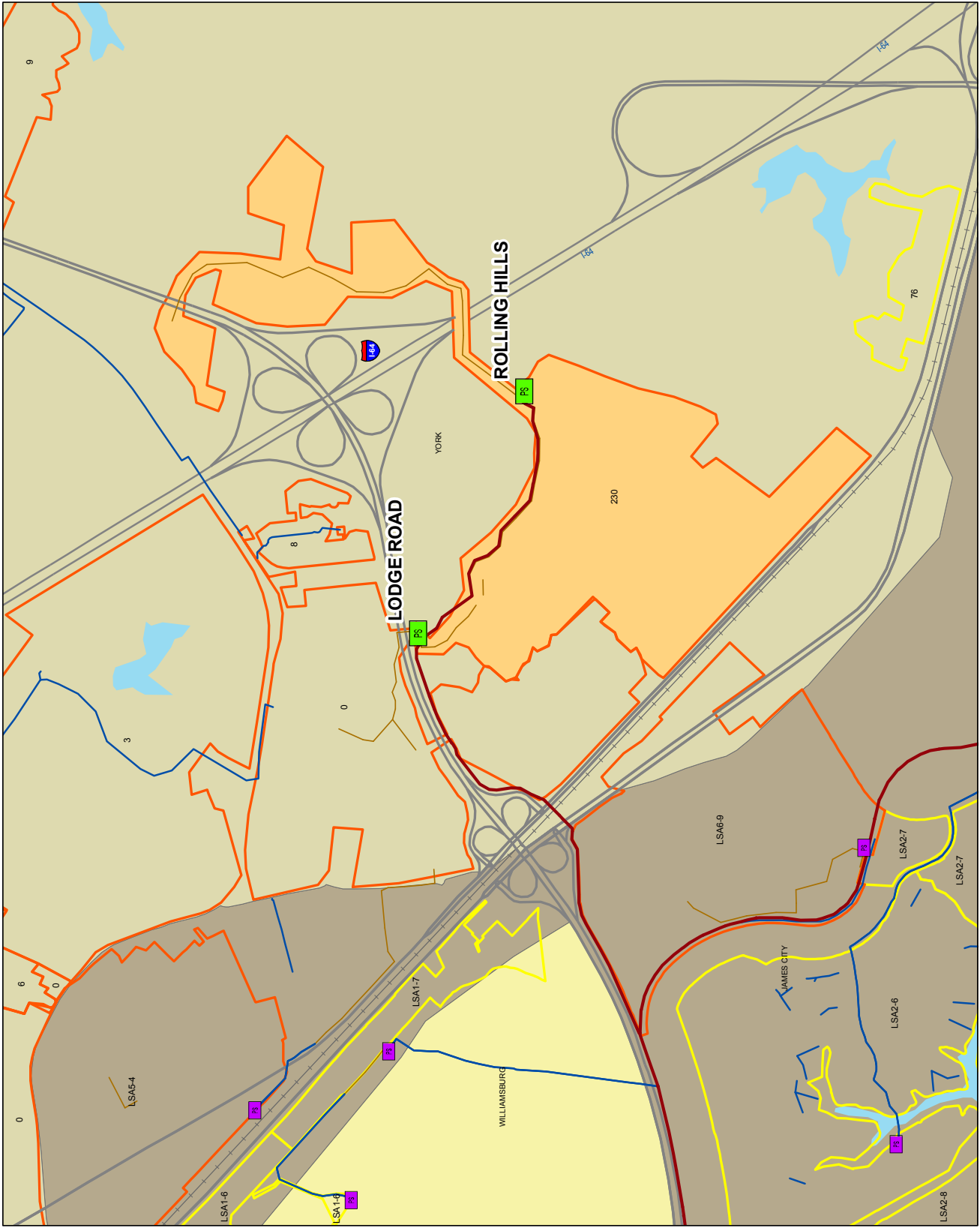
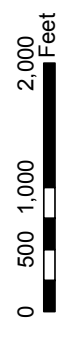
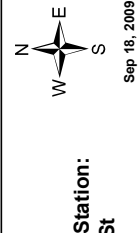
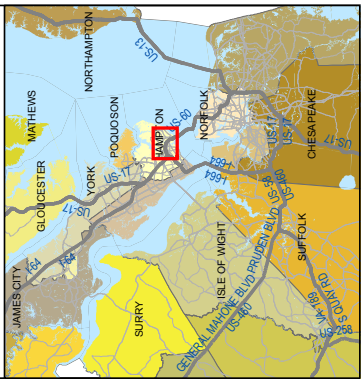


Figure A-24
HRSD CAP
HRSD Pump Station:
Washington St



- Legend**
- PS HRSD Pump Stations
 - WTP HRSD Treatment Plants
 - Hampton Pump Stations
 - James City County Pump Stations
 - Newport News Pump Stations
 - York County Pump Stations
 - HRSD Force Main
 - HRSD Gravity Main
 - Locality Force Main
 - Locality Gravity Sewer 10" and Greater
 - SSES Basins
 - Non SSES Basins
 - Excluded Basins
 - N/A
 - Washington St

MAP KEY



BROWN AND CALDWELL

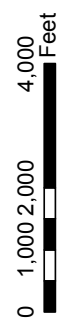
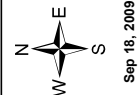


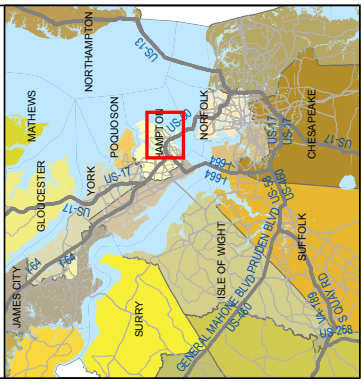
Figure A-25
HRSD CAP
HRSD Pump Station:
Willard Ave



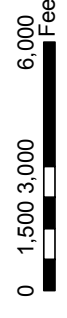
Sep 18, 2009

- Legend**
- PS HRSD Pump Stations
 - WP HRSD Treatment Plants
 - Hampton Pump Stations
 - James City County Pump Stations
 - Newport News Pump Stations
 - York County Pump Stations
 - HRSD Force Main
 - HRSD Gravity Main
 - Locality/Force Main
 - Locality Gravity Sewer 10' and Greater
 - SSES Basins
 - Non SSES Basins
 - Excluded Basins
 - N/A
 - HRSD Pump Station Service Area
 - Bay Shore Ln
 - Willard Ave

MAP KEY



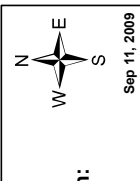
BROWN AND CALDWELL



NORFOLK

Figure A-26
HRSD CAP
HRSD Pump Station:
Williamsburg

Sep 11, 2009



- Legend**
- PS HRSD Pump Stations
 - WTP HRSD Treatment Plants
 - Hampton Pump Stations
 - James City County Pump Stations
 - Newport News Pump Stations
 - York County Pump Stations
 - HRSD Force Main
 - HRSD Gravity Main
 - Locality Force Main
 - Locality Gravity Sewer 10" and Greater
 - Williamsburg Sewer Mains
 - SSES Basins
 - Non SSES Basins
 - Excluded Basins
 - N/A
 - HRSD Pump Station Service Area
 - Williamsburg



BROWN AND CALDWELL

0 1,000 2,000 4,000 Feet

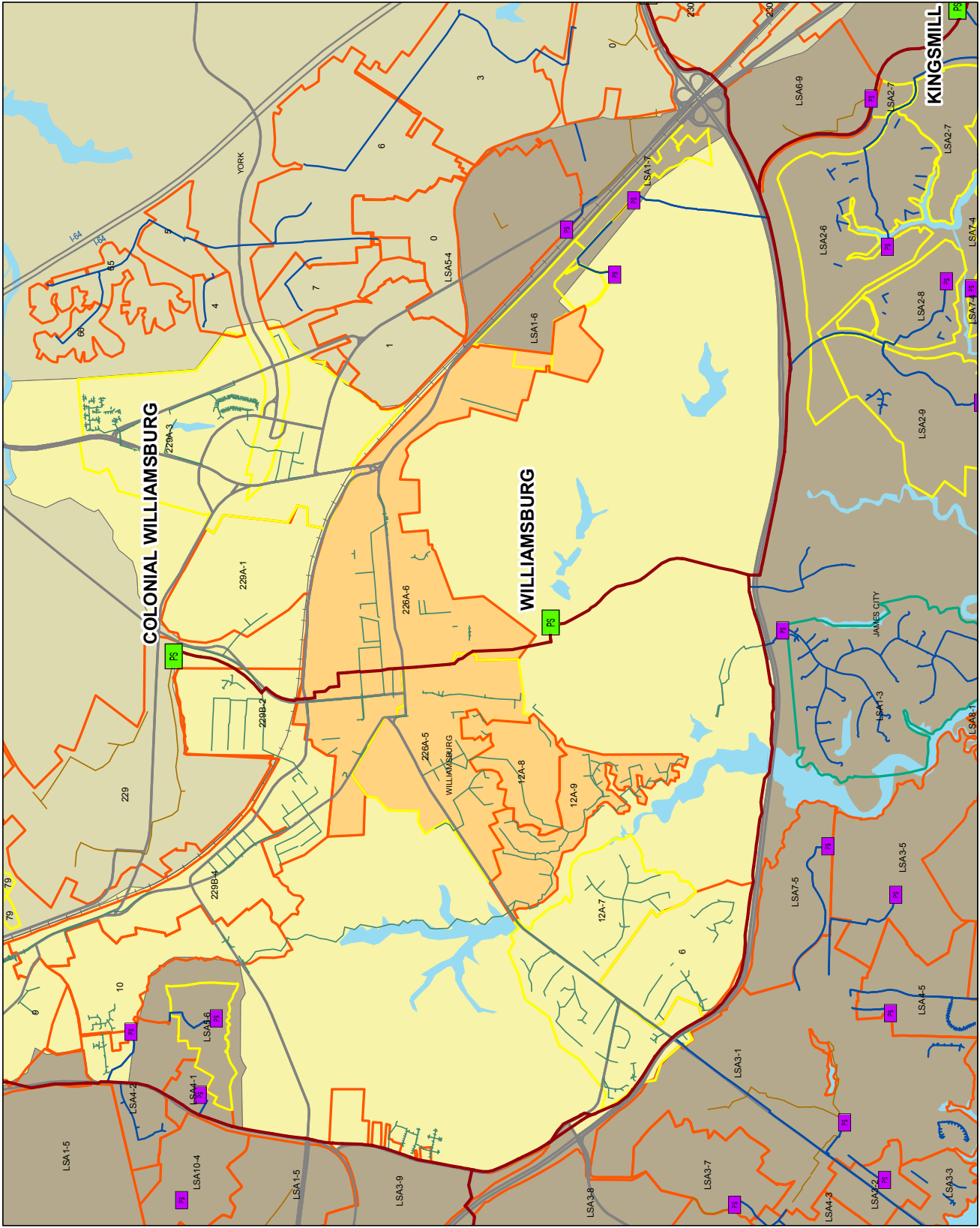
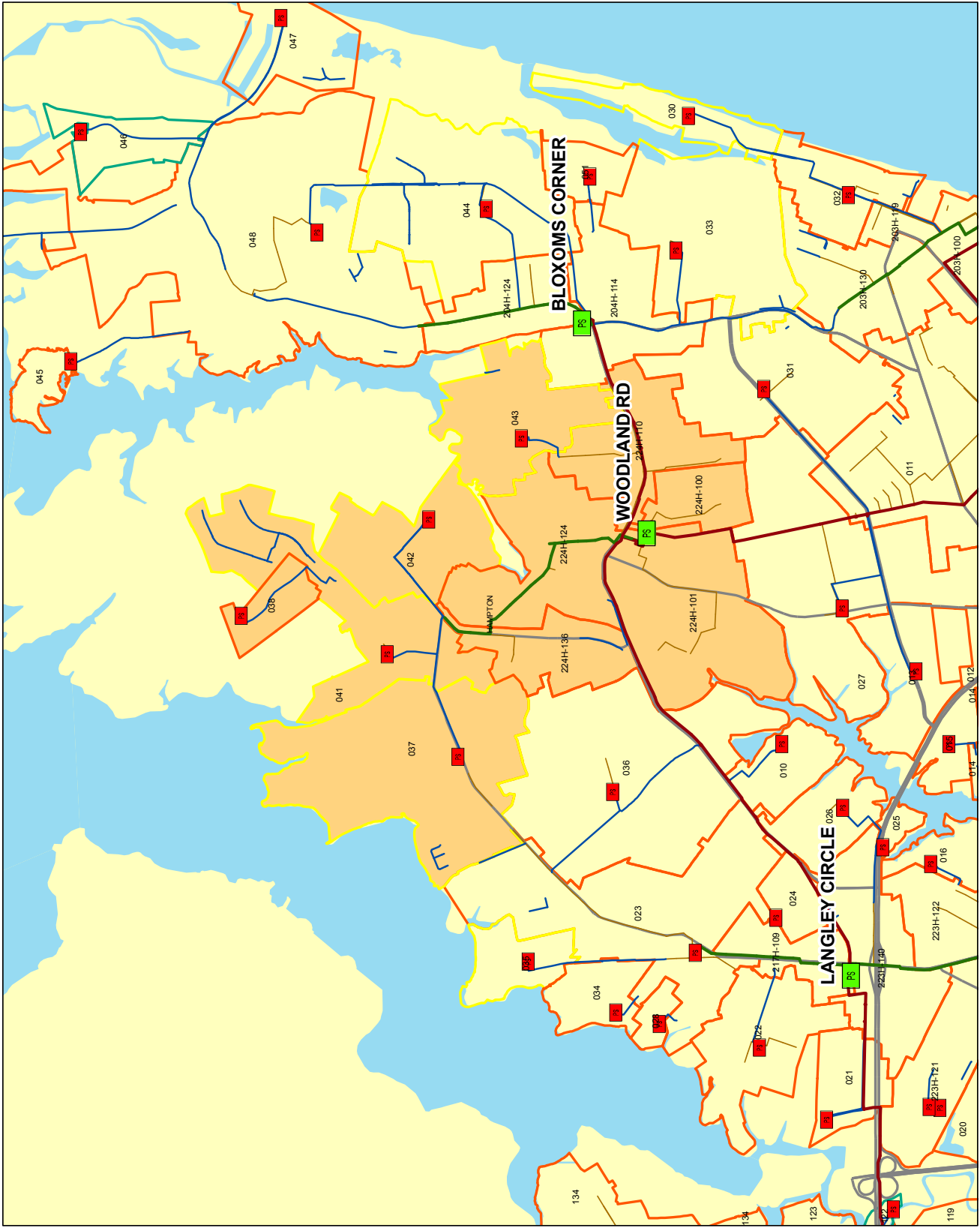


Figure A-27

**HRSD CAP
HRSD Pump Station:
Woodland Rd**

Sep 11, 2009



Sep 11, 2009

- Legend**
- PS HRSD Pump Stations
 - WP HRSD Treatment Plants
 - Hampton Pump Stations
 - James City County Pump Stations
 - Newport News Pump Stations
 - York County Pump Stations
 - HRSD Force Main
 - HRSD Gravity Main
 - Locality Force Main
 - Locality Gravity Sewer 10" and Greater
 - SSES Basins
 - Non SSES Basins
 - Excluded Basins
 - N/A
 - HRSD Pump Station Service Area
 - Woodland Rd



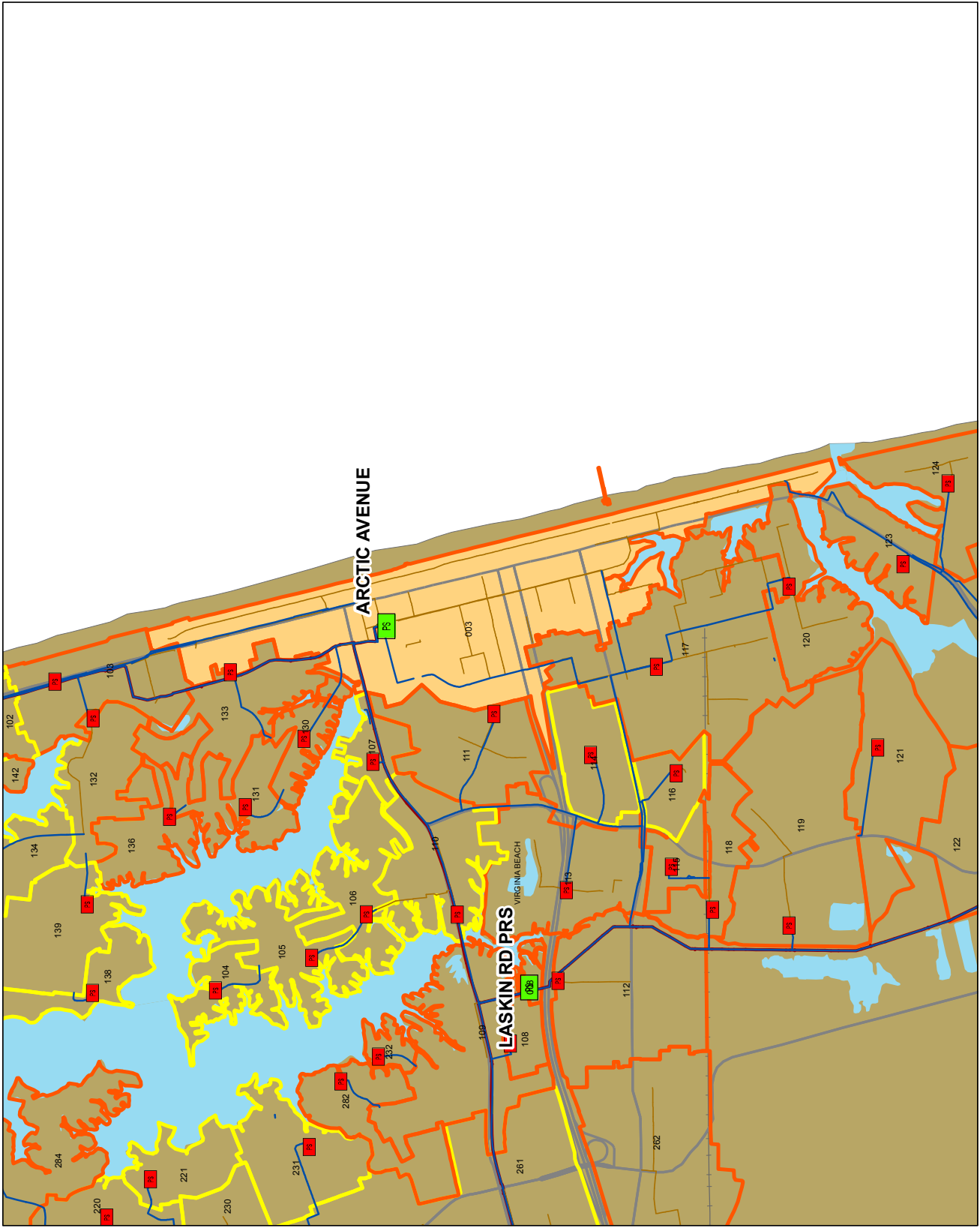
**BROWN AND
CALDWELL**

0 1,000 2,000 4,000 Feet

Figure A-28

**HRSD CAP
HRSD Pump Station:
Arctic Ave**

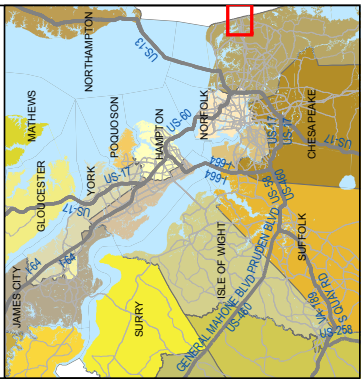
Sep 11, 2009



- Legend**
- PS HRSD Pump Stations
 - TWP HRSD Treatment Plants
 - Chesapeake Pump Stations
 - Norfolk Pump Stations
 - Suffolk Pump Stations
 - Virginia Beach Pump Stations
 - HRSD Force Main
 - HRSD Gravity Main
 - Locality Gravity Sewer 10" and Greater
 - SSES Basins
 - Non SSES Basins
 - N/A
 - HRSD Pump Station Service Area
 - Arctic Ave



MAP KEY



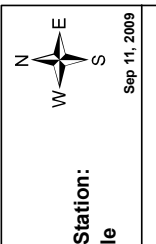
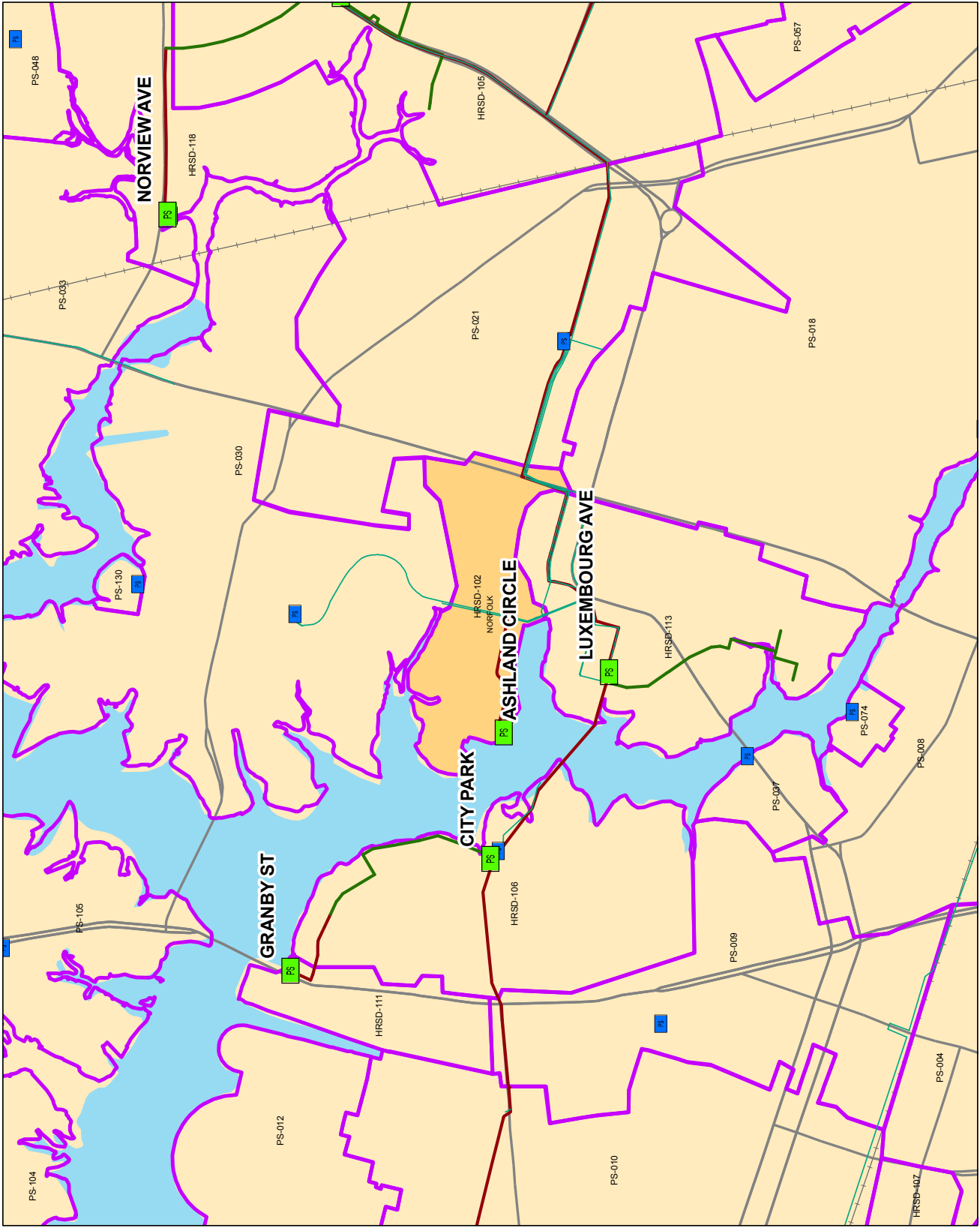
**BROWN AND
CALDWELL**



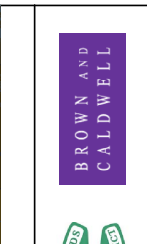
Figure A-29

**HRSD CAP
HRSD Pump Station:
Ashland Circle**

Sep 11, 2009



- Legend**
- PS HRSD Pump Stations
 - TP HRSD Treatment Plants
 - Chesapeake Pump Stations
 - Norfolk Pump Stations
 - Suffolk Pump Stations
 - Virginia Beach Pump Stations
 - HRSD Force Main
 - HRSD Gravity Main
 - Locality Force Main
 - Locality Gravity Sewer 10" and Greater
 - Norfolk Gravity Sewer 10" and Greater
 - SSES Basins
 - Non SSES Basins
 - N/A
 - HRSD Pump Station Service Area
 - Ashland Circle



BROWN AND CALDWELL

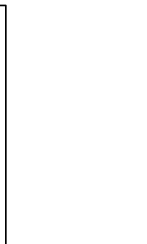
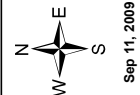


Figure A-30
HRSD CAP
HRSD Pump Station:
Bainbridge Blvd



Sep 11, 2009

- Legend**
- PS HRSD Pump Stations
 - WTP HRSD Treatment Plants
 - Chesapeake Pump Stations
 - Norfolk Pump Stations
 - Suffolk Pump Stations
 - Virginia Beach Pump Stations
 - HRSD Force Main
 - HRSD Gravity Main
 - Locality Force Main
 - Locality Gravity Sewer 10" and Greater
 - Norfolk Sewer 10" and Greater
 - SSES Basins
 - Non SSES Basins
 - N/A
 - HRSD Pump Station Service Area
 - Bainbridge Blvd

MAP KEY



BROWN AND CALDWELL

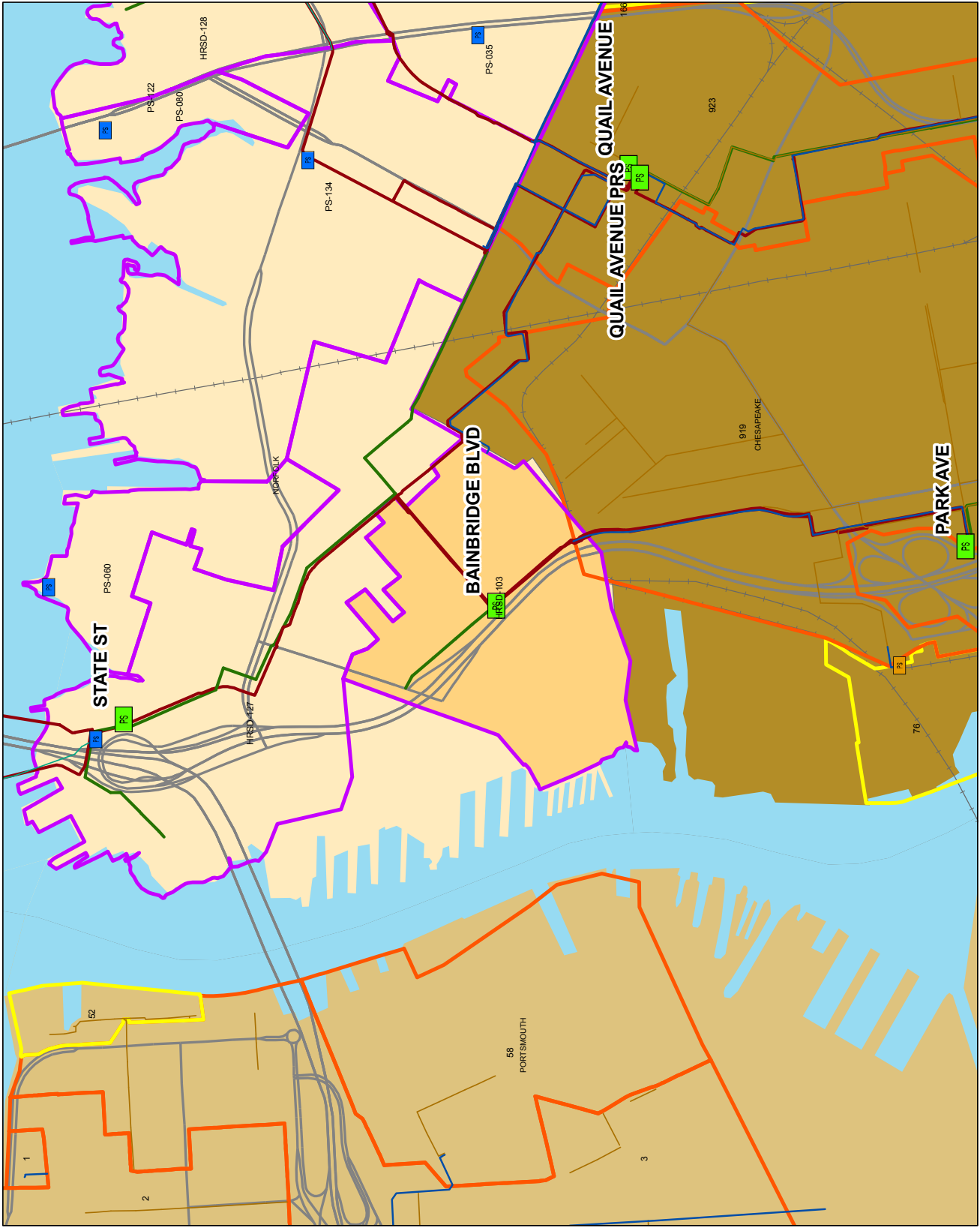
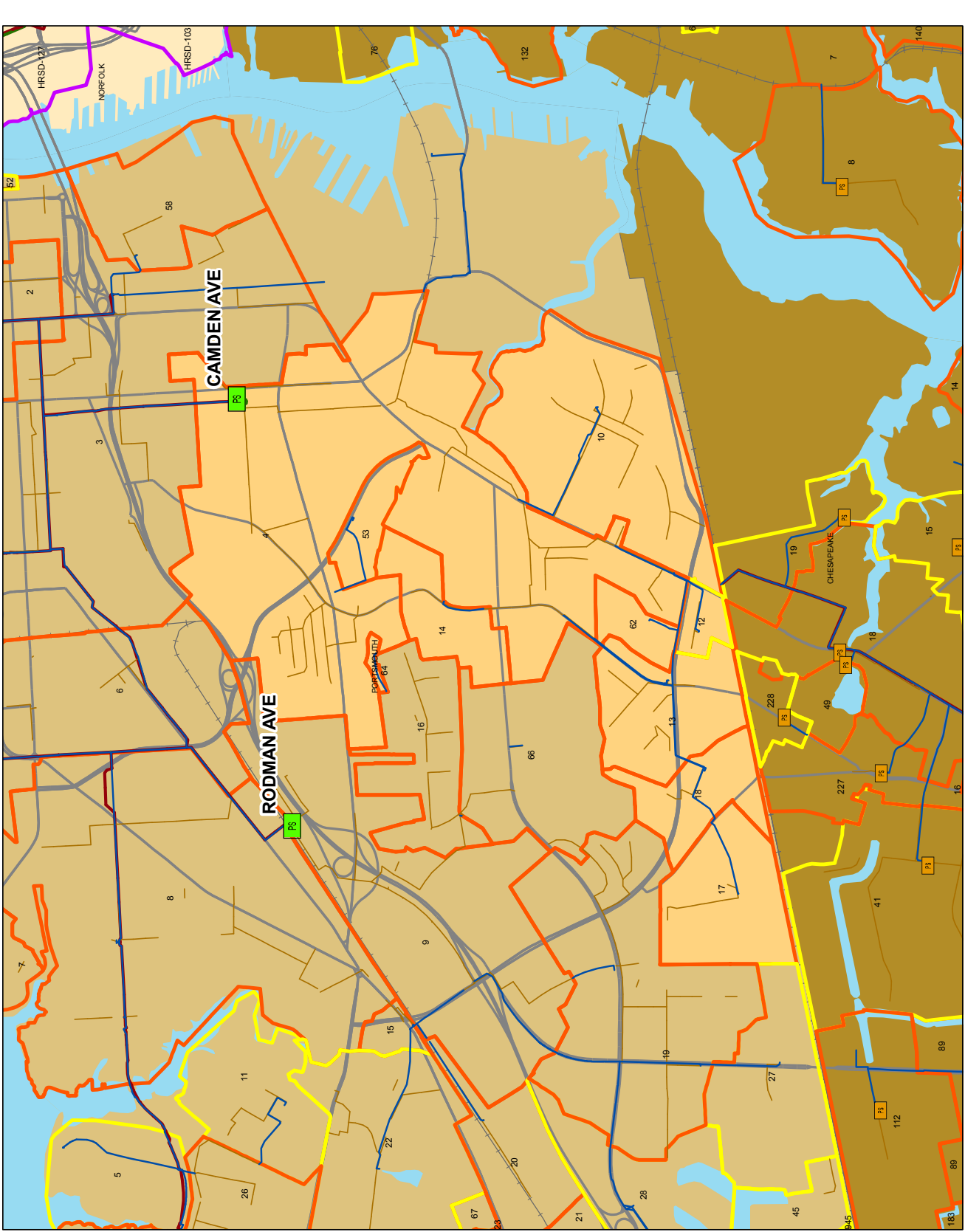


Figure A-31
HRSD CAP
HRSD Pump Station:
Camden Ave

Sep 11, 2009



- Legend**
- HRSD Pump Stations
 - HRSD Treatment Plants
 - Chesapeake Pump Stations
 - Norfolk Pump Stations
 - Suffolk Pump Stations
 - Virginia Beach Pump Stations
 - HRSD Force Main
 - HRSD Gravity Main
 - Locality Gravity Sewer 10" and Greater
 - SSES Basins
 - Non SSES Basins
 - N/A
 - HRSD Pump Station Service Area
 - Camden Ave

MAP KEY



BROWN AND CALDWELL

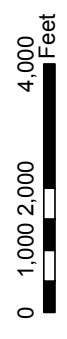
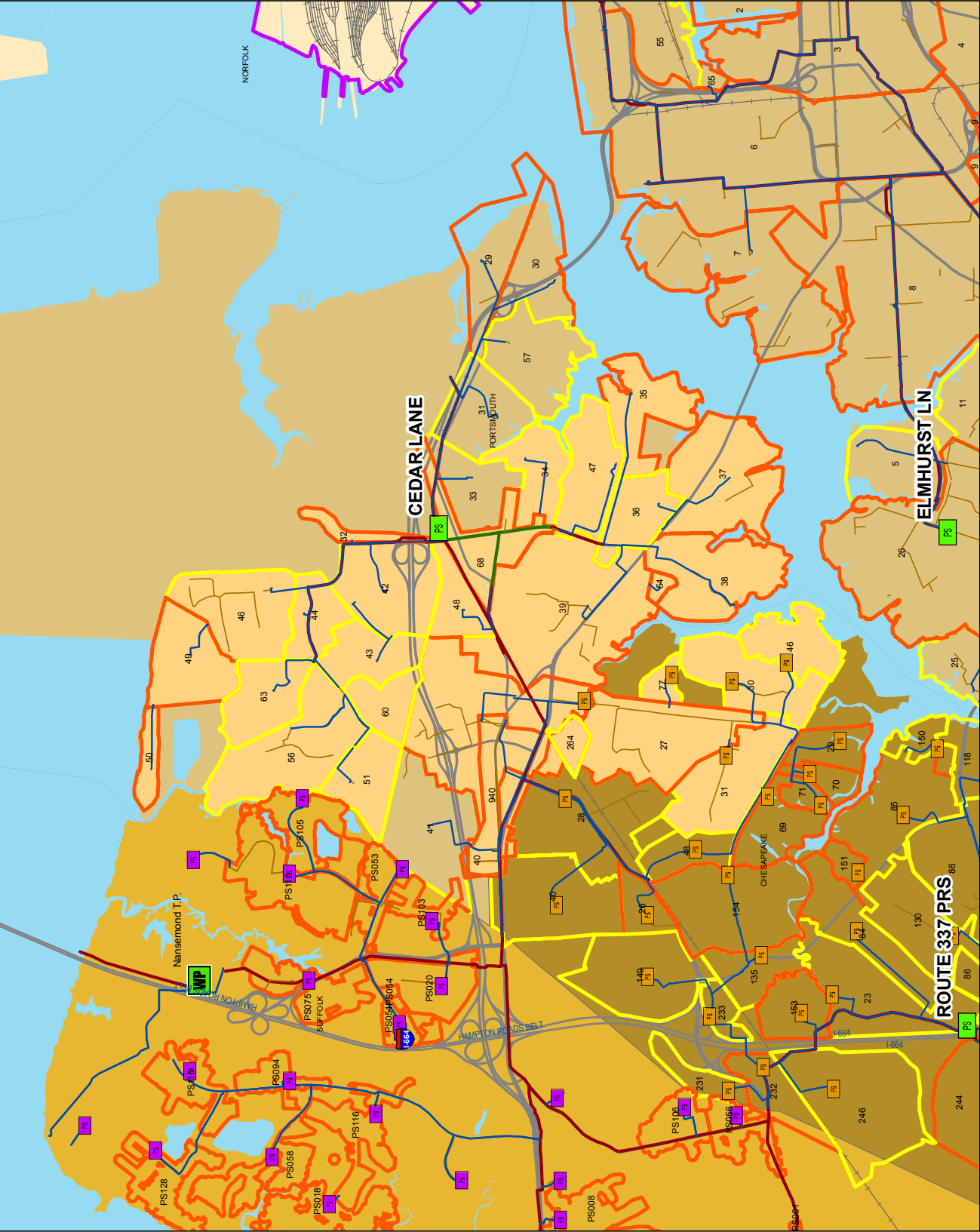


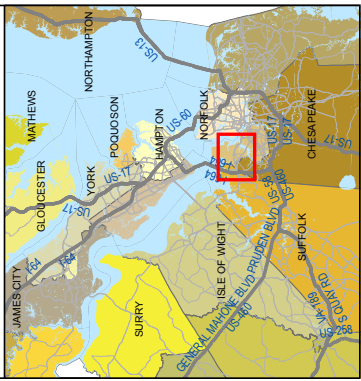
Figure A-32
HRSD CAP
HRSD Pump Station:
Cedar Ln

Sep 11, 2009



- Legend**
- PS HRSD Pump Stations
 - WP HRSD Treatment Plants
 - Chesapeake Pump Stations
 - Norfolk Pump Stations
 - Suffolk Pump Stations
 - Virginia Beach Pump Stations
 - HRSD Force Main
 - HRSD Gravity Main
 - Locality Force Main
 - Locality Gravity Sewer 10" and Greater
 - SSES Basins
 - Non SSES Basins
 - N/A
 - HRSD Pump Station Service Area
 - Cedar Ln

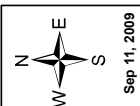
MAP KEY



BROWN AND CALDWELL



Figure A-33
HRSD CAP
HRSD Pump Station:
Chesapeake Blvd



Sep 11, 2009

- Legend**
- PS HRSD Pump Stations
 - WP HRSD Treatment Plants
 - Chesapeake Pump Stations
 - Norfolk Pump Stations
 - Suffolk Pump Stations
 - Virginia Beach Pump Stations
 - HRSD Force Main
 - HRSD Gravity Main
 - Locality Force Main
 - Locality Gravity Sewer 10" and Greater
 - Norfolk Gravity Sewer 10" and Greater
 - SSES Basins
 - Non SSES Basins
 - N/A
 - HRSD Pump Station Service Area
 - Chesapeake Blvd
 - Re-Pumped Norview Ave



BROWN AND CALDWELL

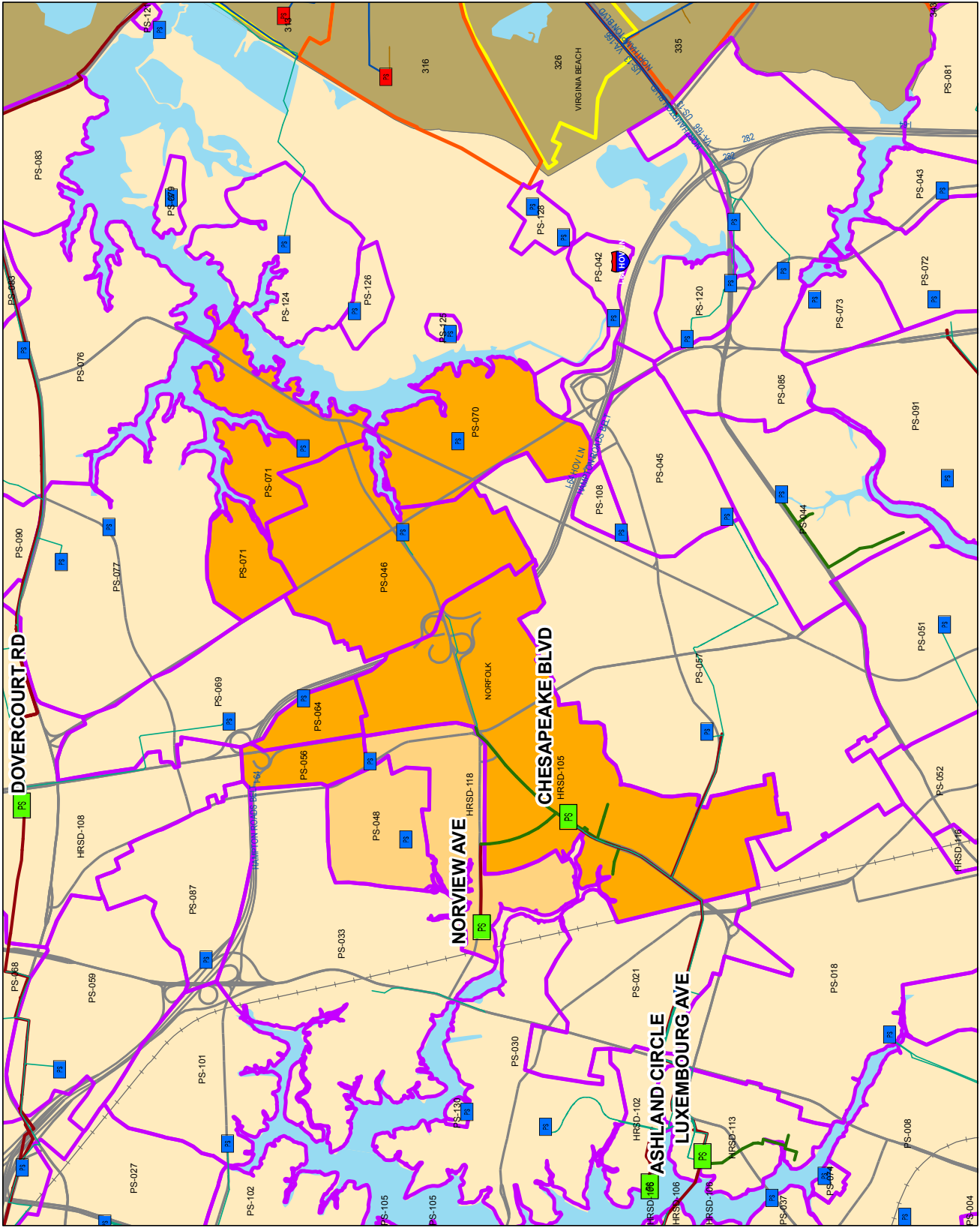
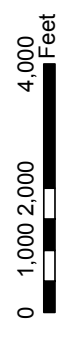
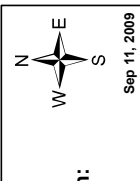


Figure A-34
HRSD CAP
HRSD Pump Station:
Chesterfield Blvd

Sep 11, 2009



- Legend**
- PS HRSD Pump Stations
 - WP HRSD Treatment Plants
 - Chesapeake Pump Stations
 - Norfolk Pump Stations
 - Suffolk Pump Stations
 - Virginia Beach Pump Stations
 - HRSD Force Main
 - HRSD Gravity Main
 - Locality Force Main
 - Locality Gravity Sewer 10" and Greater
 - Norfolk Sewer 10" and Greater
 - SSES Basins
 - Non SSES Basins
 - N/A
 - HRSD Pump Station Service Area
 - Chesterfield Blvd

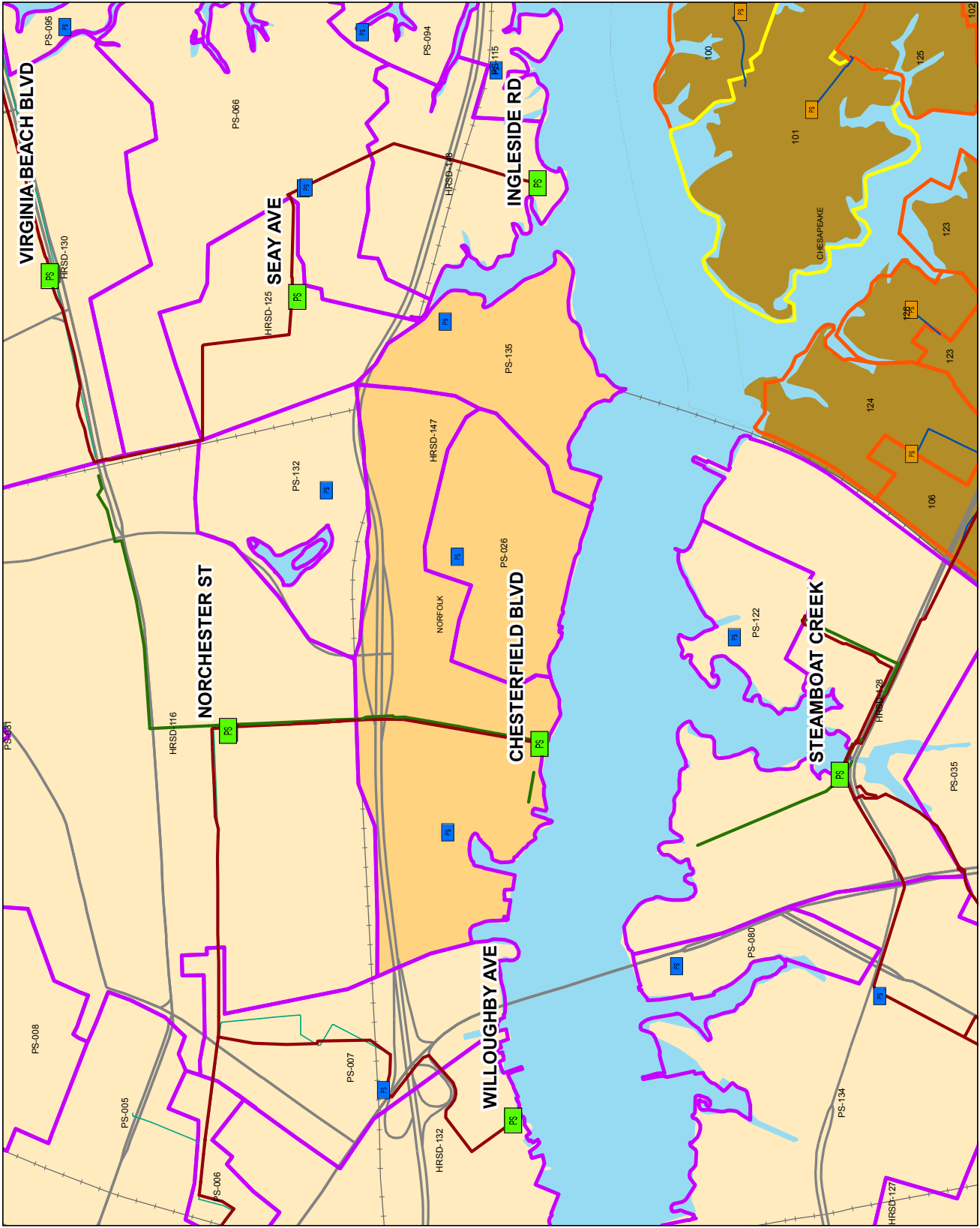
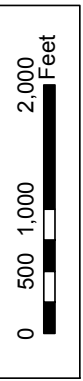
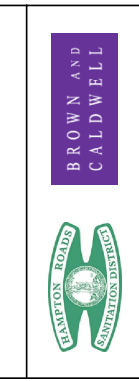
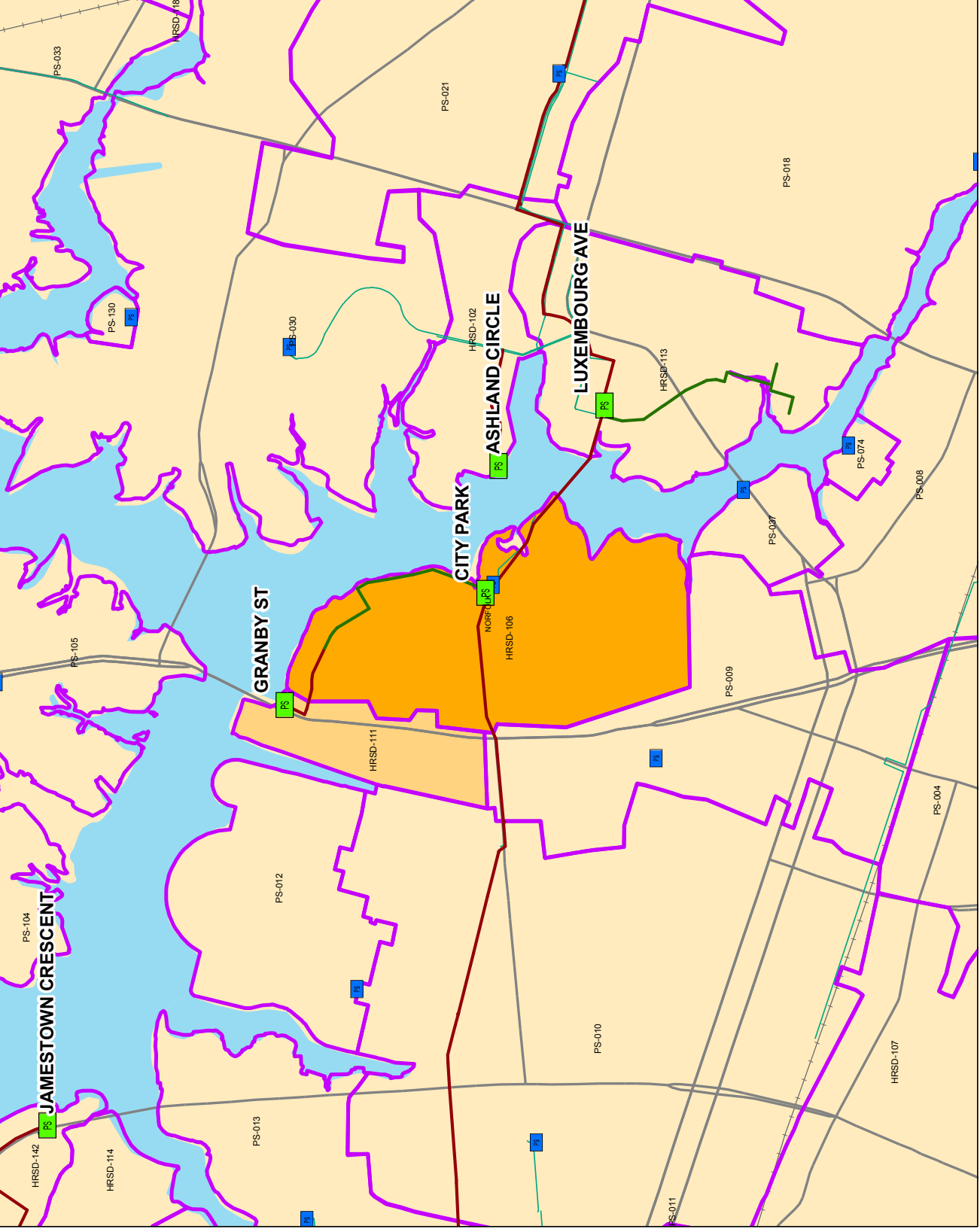


Figure A-35

**HRSD CAP
HRSD Pump Station:
City Park**

Sep 11, 2009



Legend

- HRSD Pump Stations
- HRSD Treatment Plants
- Chesapeake Pump Stations
- Norfolk Pump Stations
- Suffolk Pump Stations
- Virginia Beach Pump Stations
- HRSD Force Main
- HRSD Gravity Main
- Locality Force Main
- Locality Gravity Sewer 10" and Greater
- Norfolk Gravity Sewer 10" and Greater
- SSES Basins
- Non SSES Basins
- N/A
- HRSD Pump Station Service Area
- City Park
- Re-Pumped Granby St Area

MAP KEY



**BROWN AND
CALDWELL**

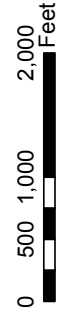
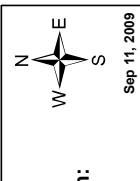


Figure A-36
HRSD CAP
HRSD Pump Station:
Colley Ave

Sep 11, 2009



- Legend**
- PS HRSD Pump Stations
 - WP HRSD Treatment Plants
 - Chesapeake Pump Stations
 - Norfolk Pump Stations
 - Suffolk Pump Stations
 - Virginia Beach Pump Stations
 - HRSD Force Main
 - HRSD Gravity Main
 - Locality Force Main
 - Locality Gravity Sewer 10" and Greater
 - Norfolk Gravity Sewer 10" and Greater
 - SSES Basins
 - Non SSES Basins
 - N/A
 - HRSD Pump Station Service Area
 - Colley Ave

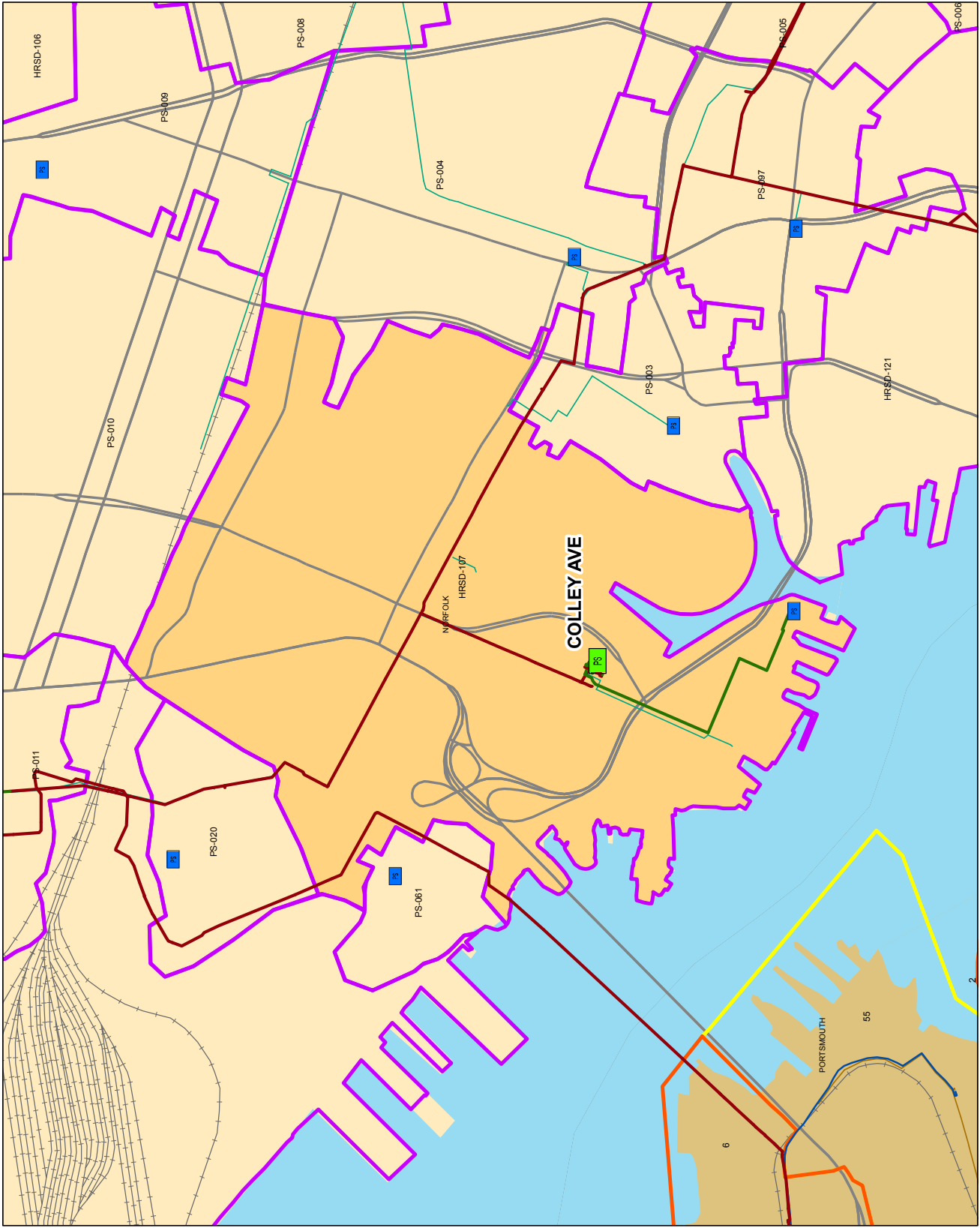
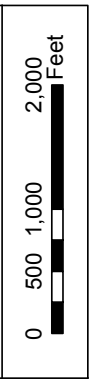
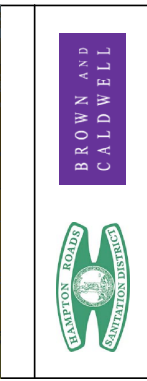
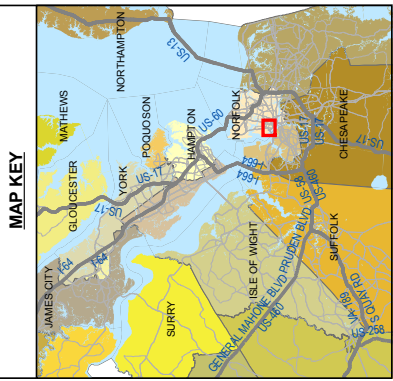
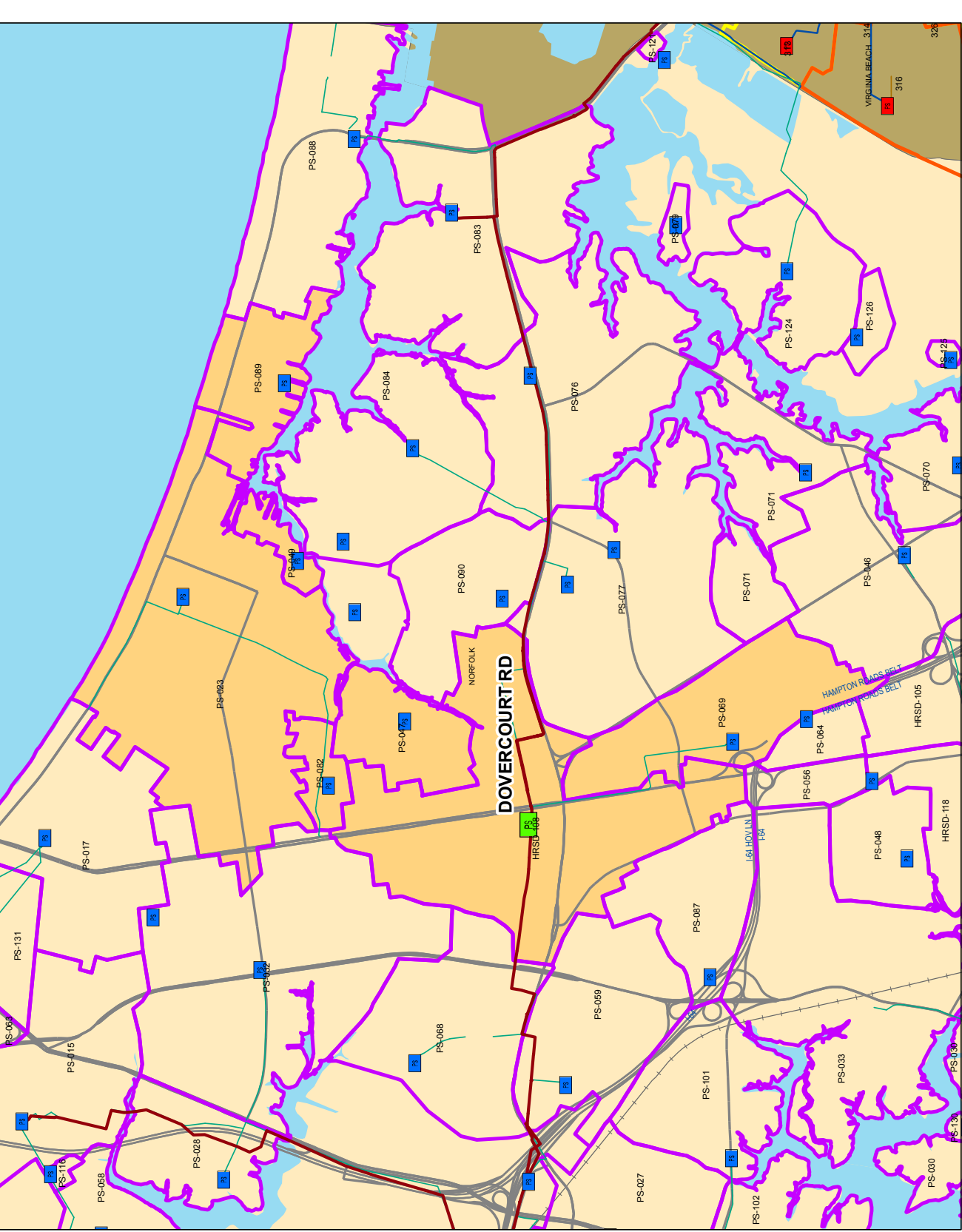


Figure A-37
HRSD CAP
HRSD Pump Station:
Dovercourt Rd

Sep 11, 2009



- Legend**
- PS HRSD Pump Stations
 - WTP HRSD Treatment Plants
 - PS Chesapeake Pump Stations
 - PS Norfolk Pump Stations
 - PS Suffolk Pump Stations
 - PS Virginia Beach Pump Stations
 - HRSD Force Main
 - HRSD Gravity Main
 - Locality Force Main
 - Locality Gravity Sewer 10" and Greater
 - Norfolk Sewer 10" and Greater
 - SSES Basins
 - Non SSES Basins
 - N/A
 - HRSD Pump Station Service Area
 - Dovercourt Rd

MAP KEY

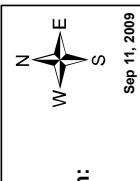


BROWN AND CALDWELL



Figure A-38
HRSD CAP
HRSD Pump Station:
Dozier's Corner

Sep 11, 2009



- Legend**
- PS HRSD Pump Stations
 - WTP HRSD Treatment Plants
 - PS Chesapeake Pump Stations
 - PS Norfolk Pump Stations
 - PS Suffolk Pump Stations
 - PS Virginia Beach Pump Stations
 - HRSD Force Main
 - HRSD Gravity Main
 - Locality Force Main
 - Locality Gravity Sewer 10" and Greater
 - Norfolk Sewer 10" and Greater
 - SSES Basins
 - Non SSES Basins
 - N/A
 - HRSD Pump Station Service Area
 - Dozier's Corner

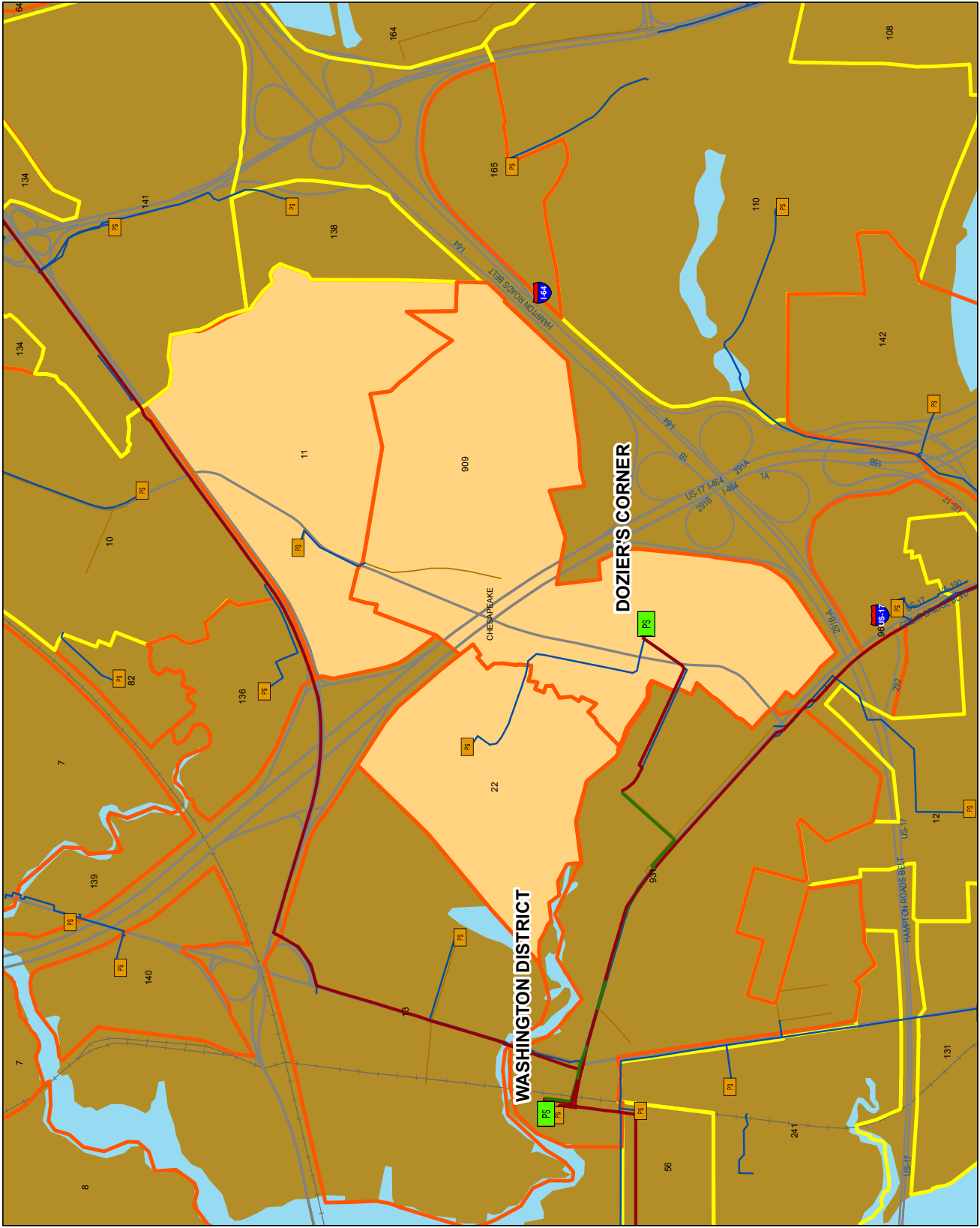
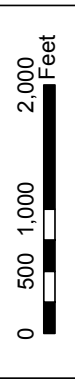
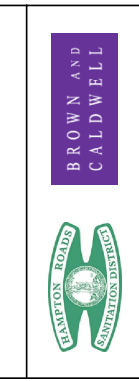
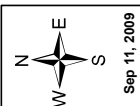
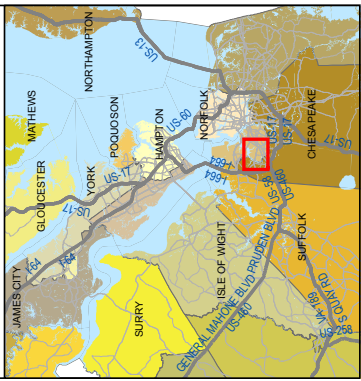


Figure A-39
HRSD CAP
HRSD Pump Station:
Eimhurst Ln

Sep 11, 2009



- Legend**
- HRSD Pump Stations
 - HRSD Treatment Plants
 - Chesapeake Pump Stations
 - Norfolk Pump Stations
 - Suffolk Pump Stations
 - Virginia Beach Pump Stations
 - HRSD Force Main
 - HRSD Gravity Main
 - Locality Gravity Sewer 10" and Greater
 - Norfolk Sewer 10" and Greater
 - SSES Basins
 - Non SSES Basins
 - N/A
 - HRSD Pump Station Service Area
 - Eimhurst Ln



BROWN AND CALDWELL

0 1,000 2,000 4,000 Feet

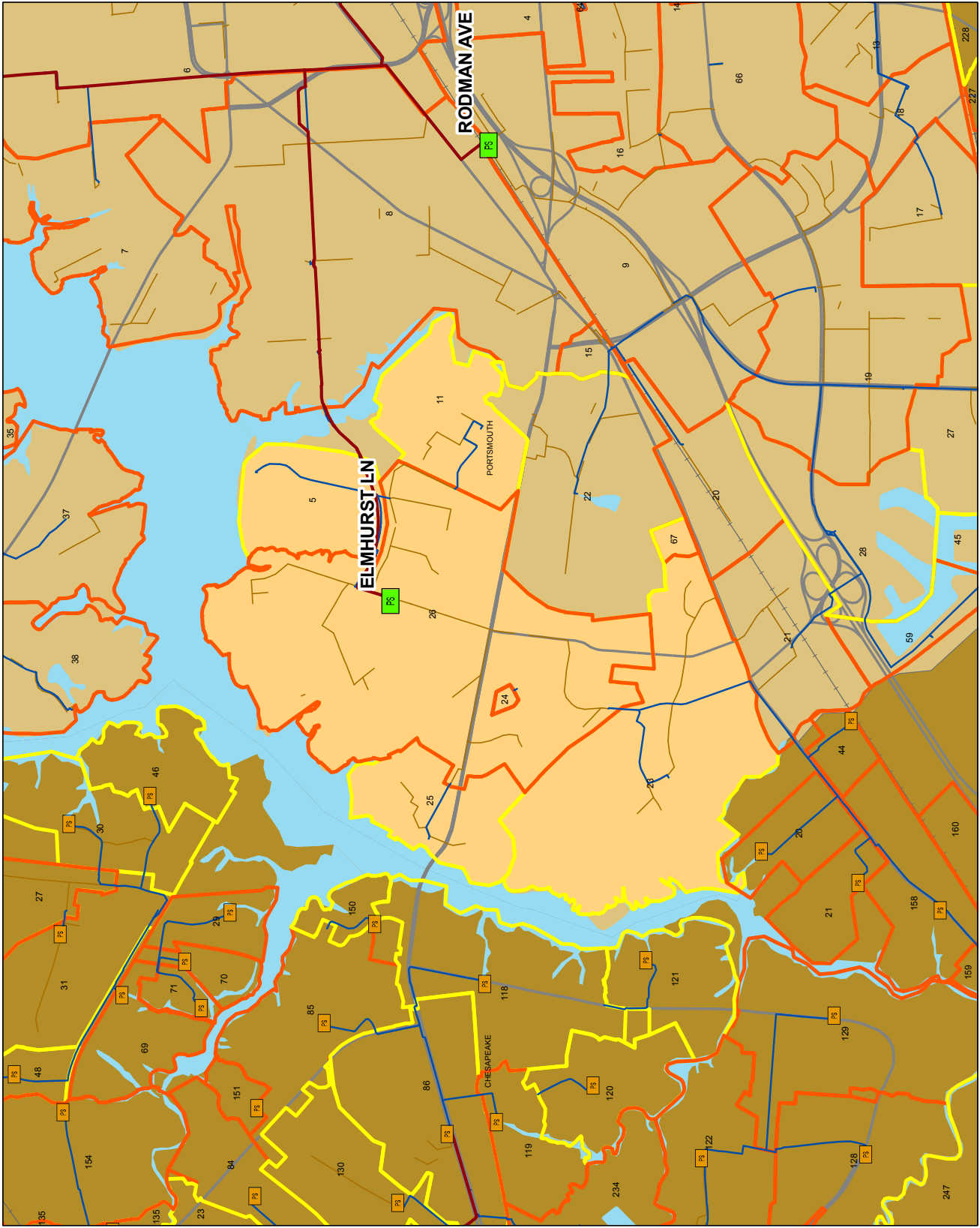


Figure A-40
HRSD CAP
HRSD Pump Station:
Ferebee Ave



Sep 11, 2009

- Legend**
- HRSD Pump Stations
 - HRSD Treatment Plants
 - Chesapeake Pump Stations
 - Norfolk Pump Stations
 - Suffolk Pump Stations
 - Virginia Beach Pump Stations
 - HRSD Force Main
 - HRSD Gravity Main
 - Locality Gravity Sewer 10" and Greater
 - SSES Basins
 - Non SSES Basins
 - N/A
 - HRSD Pump Station Service Area
 - Ferebee Ave

MAP KEY



BROWN AND CALDWELL



Figure A-41

**HRSD CAP
HRSD Pump Station:
Granby St**



Sep 11, 2009

- Legend**
- PS HRSD Pump Stations
 - WP HRSD Treatment Plants
 - PS Chesapeake Pump Stations
 - PS Norfolk Pump Stations
 - PS Suffolk Pump Stations
 - PS Virginia Beach Pump Stations
 - HRSD Force Main
 - HRSD Gravity Main
 - Locality Force Main
 - Locality Gravity Sewer 10" and Greater
 - Norfolk Sewer 10" and Greater
 - SSES Basins
 - Non SSES Basins
 - N/A
 - HRSD Pump Station Service Area
 - Granby St

MAP KEY



**BROWN AND
CALDWELL**

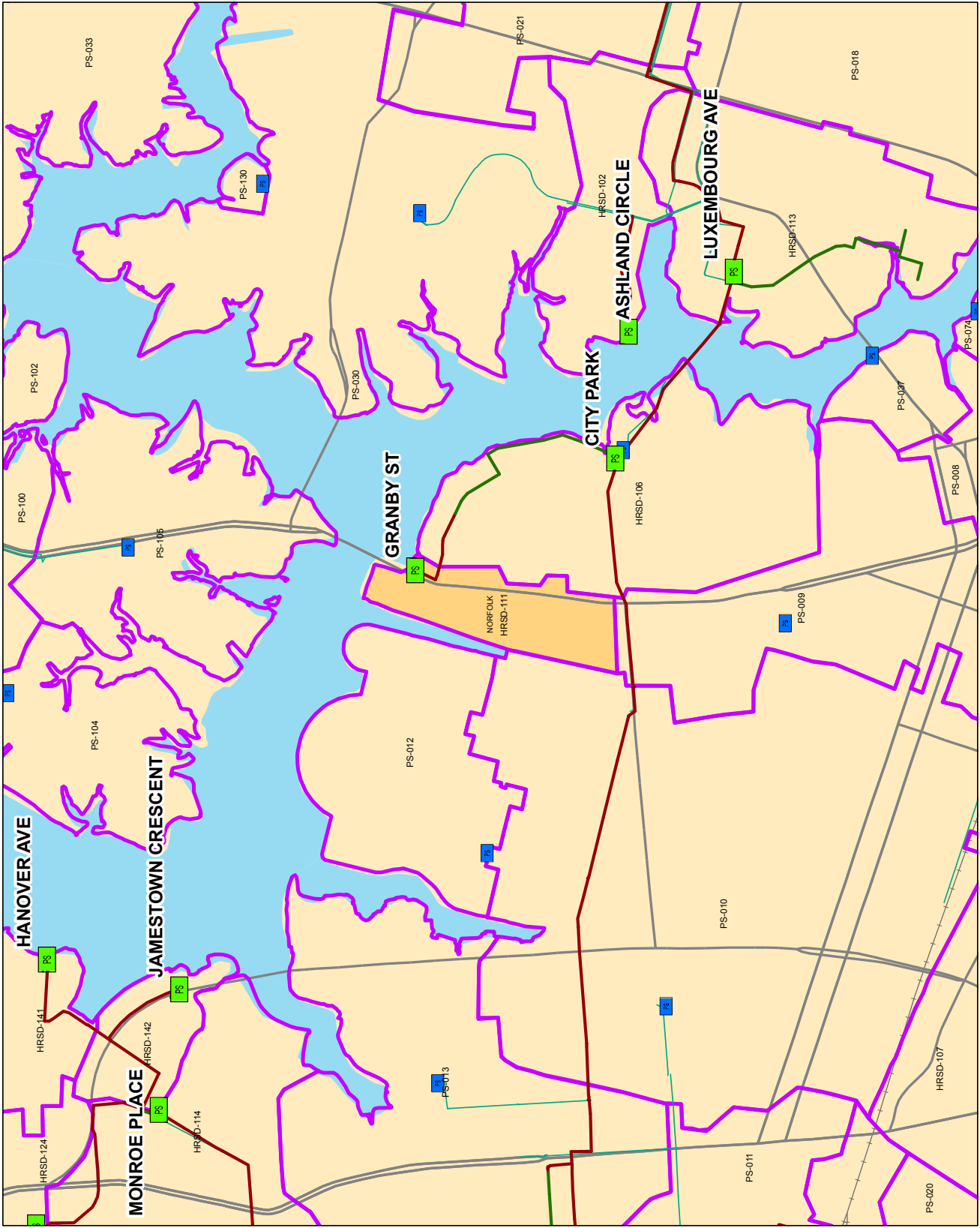
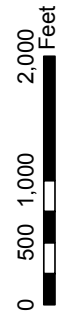
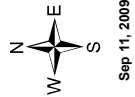


Figure A-42
HRSD CAP
HRSD Pump Station:
Hanover Ave

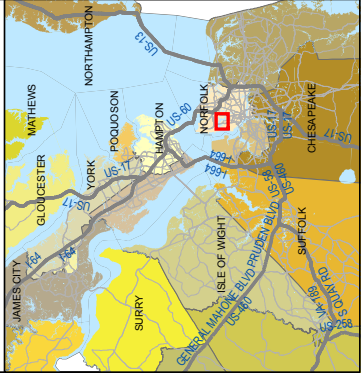


Sep 11, 2009

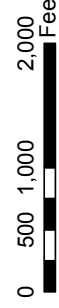
Legend

- HRSD Pump Stations
- HRSD Treatment Plants
- Chesapeake Pump Stations
- Norfolk Pump Stations
- Suffolk Pump Stations
- Virginia Beach Pump Stations
- HRSD Force Main
- HRSD Gravity Main
- Locality Force Main
- Locality Gravity Sewer 10" and Greater
- Norfolk Sewer 10" and Greater
- SSES Basins
- Non SSES Basins
- N/A
- HRSD Pump Station Service Area
- Hanover Ave

MAP KEY



BROWN AND CALDWELL



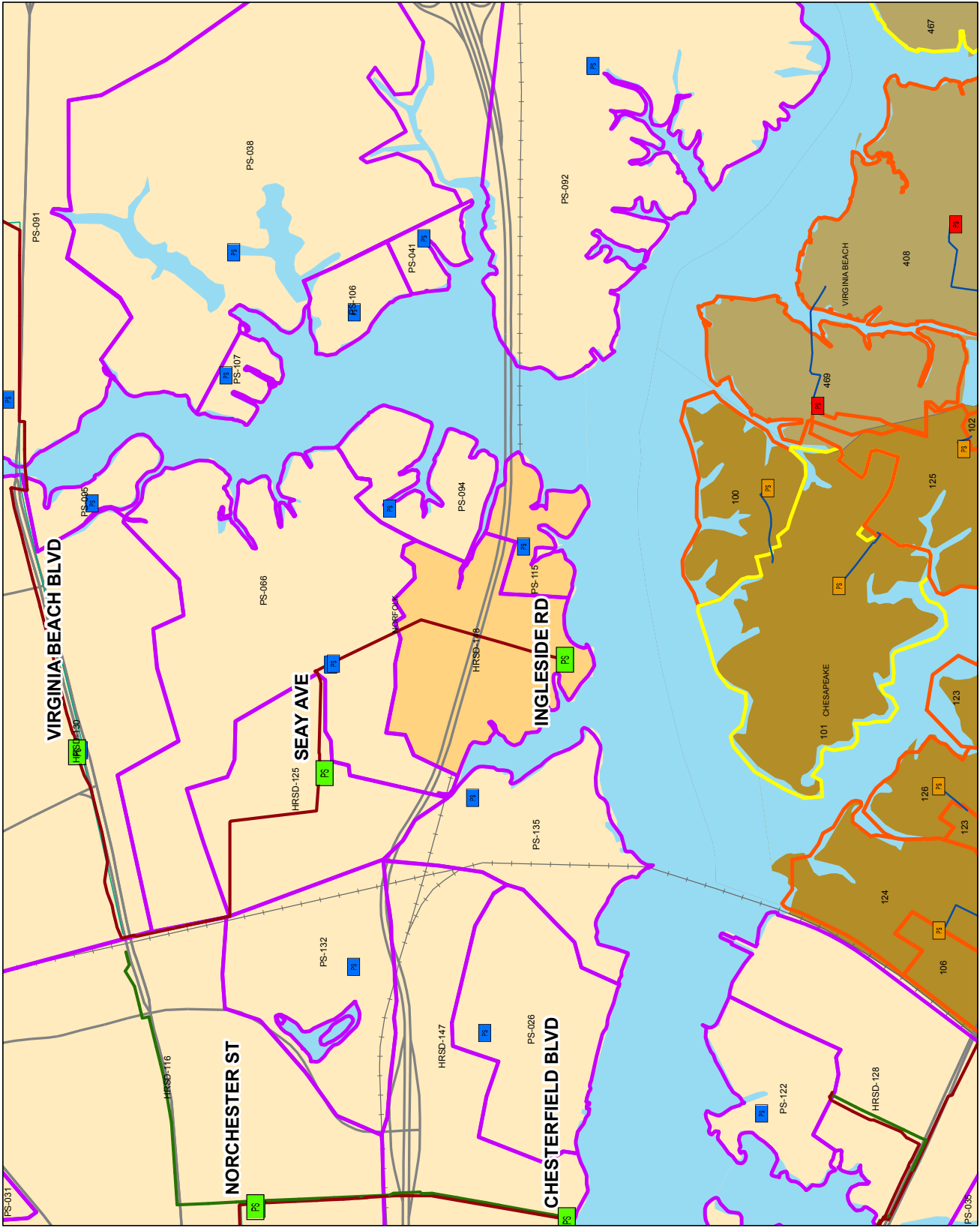
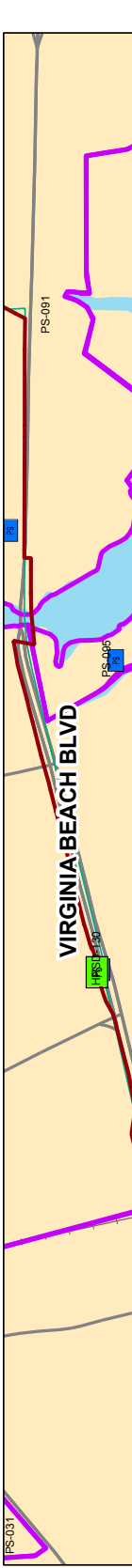


Figure A-43
HRSD CAP
HRSD Pump Station:
Ingleside Rd
 Sep 11, 2009



- Legend**
- PS HRSD Pump Stations
 - WTP HRSD Treatment Plants
 - Chesapeake Pump Stations
 - Norfolk Pump Stations
 - Suffolk Pump Stations
 - Virginia Beach Pump Stations
 - HRSD Force Main
 - HRSD Gravity Main
 - Locality Force Main
 - Locality Gravity Sewer 10" and Greater
 - Norfolk Sewer 10" and Greater
 - SSES Basins
 - Non SSES Basins
 - N/A
 - HRSD Pump Station Service Area
 - Ingleside Rd

MAP KEY

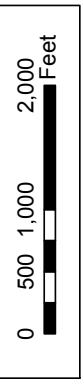
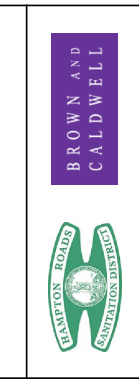
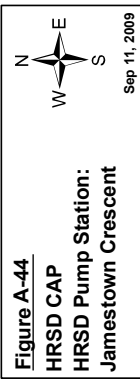


Figure A-44

**HRSD CAP
HRSD Pump Station:
Jamestown Crescent**

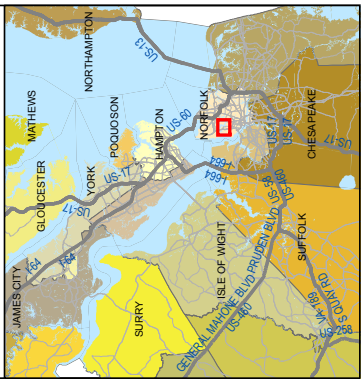
Sep 11, 2009



Legend

- PS HRSD Pump Stations
- WP HRSD Treatment Plants
- Chesapeake Pump Stations
- Norfolk Pump Stations
- Suffolk Pump Stations
- Virginia Beach Pump Stations
- HRSD Force Main
- HRSD Gravity Main
- Locality Force Main
- Locality Gravity Sewer 10" and Greater
- Norfolk Sewer 10" and Greater
- SSES Basins
- Non SSES Basins
- N/A
- HRSD Pump Station Service Area
- Jamestown Crescent

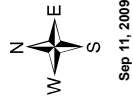
MAP KEY



**BROWN AND
CALDWELL**



Figure A-45
HRSD CAP
HRSD Pump Station:
Luxembourg Ave



Sep 11, 2009

Legend

- HRSD Pump Stations
- HRSD Treatment Plants
- Chesapeake Pump Stations
- Norfolk Pump Stations
- Suffolk Pump Stations
- Virginia Beach Pump Stations
- HRSD Force Main
- HRSD Gravity Main
- Locality Force Main
- Locality Gravity Sewer 10" and Greater
- Norfolk Sewer 10" and Greater
- SSES Basins
- Non SSES Basins
- N/A
- HRSD Pump Station Service Area
- Re-Pumped Ashland Circle Area
- Luxembourg Ave

MAP KEY



BROWN AND CALDWELL

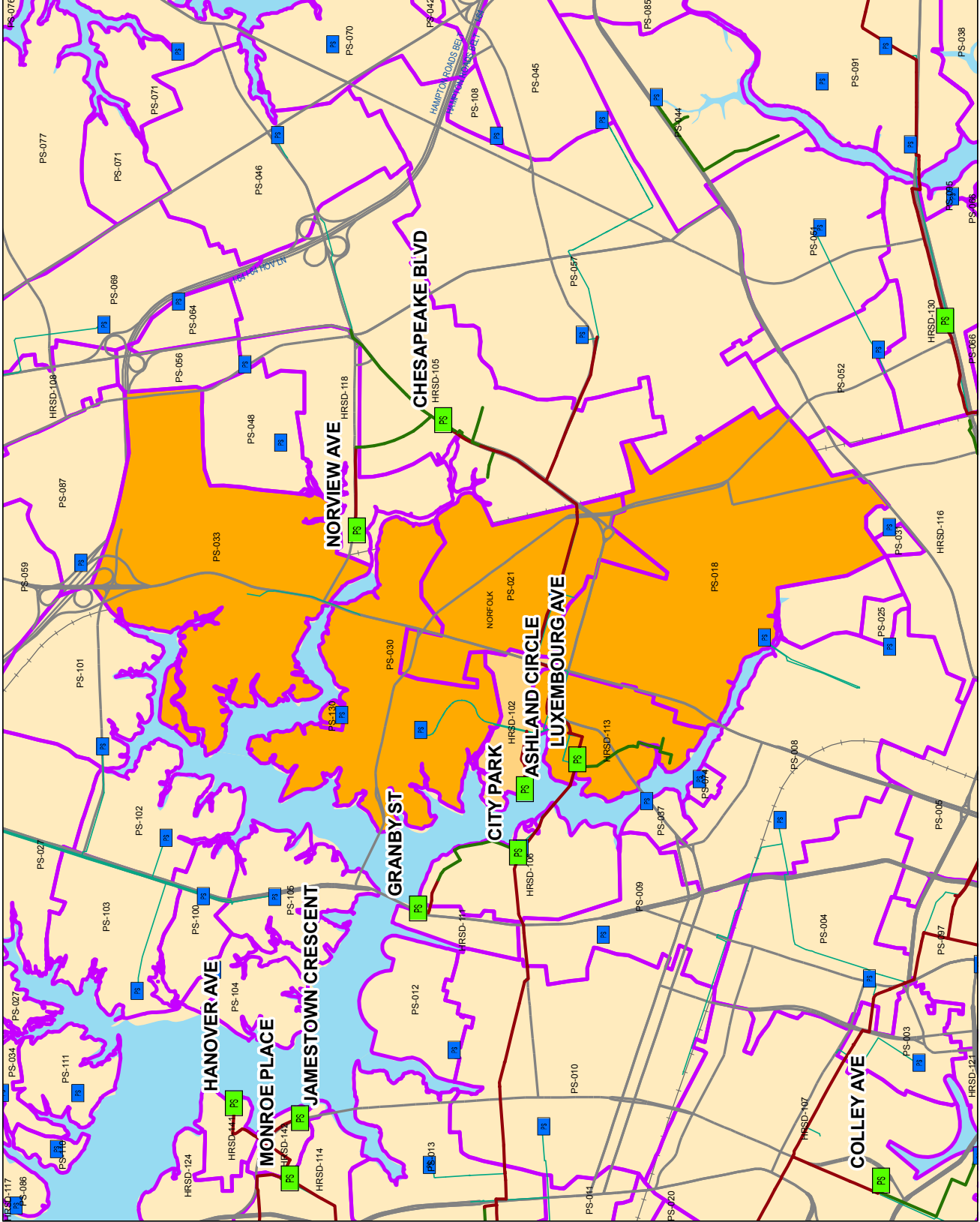


Figure A-46
HRSD CAP
HRSD Pump Station:
Monroe Place



Sep 11, 2009

- Legend**
- HRSD Pump Stations
 - HRSD Treatment Plants
 - Chesapeake Pump Stations
 - Norfolk Pump Stations
 - Suffolk Pump Stations
 - Virginia Beach Pump Stations
 - HRSD Force Main
 - HRSD Gravity Main
 - Locality Force Main
 - Locality Gravity Sewer 10" and Greater
 - Norfolk Sewer 10" and Greater
 - SSES Basins
 - Non SSES Basins
 - N/A
 - HRSD Pump Station Service Area
 - Monroe Place
 - Re-Pumped Richmond Crescent Area

MAP KEY

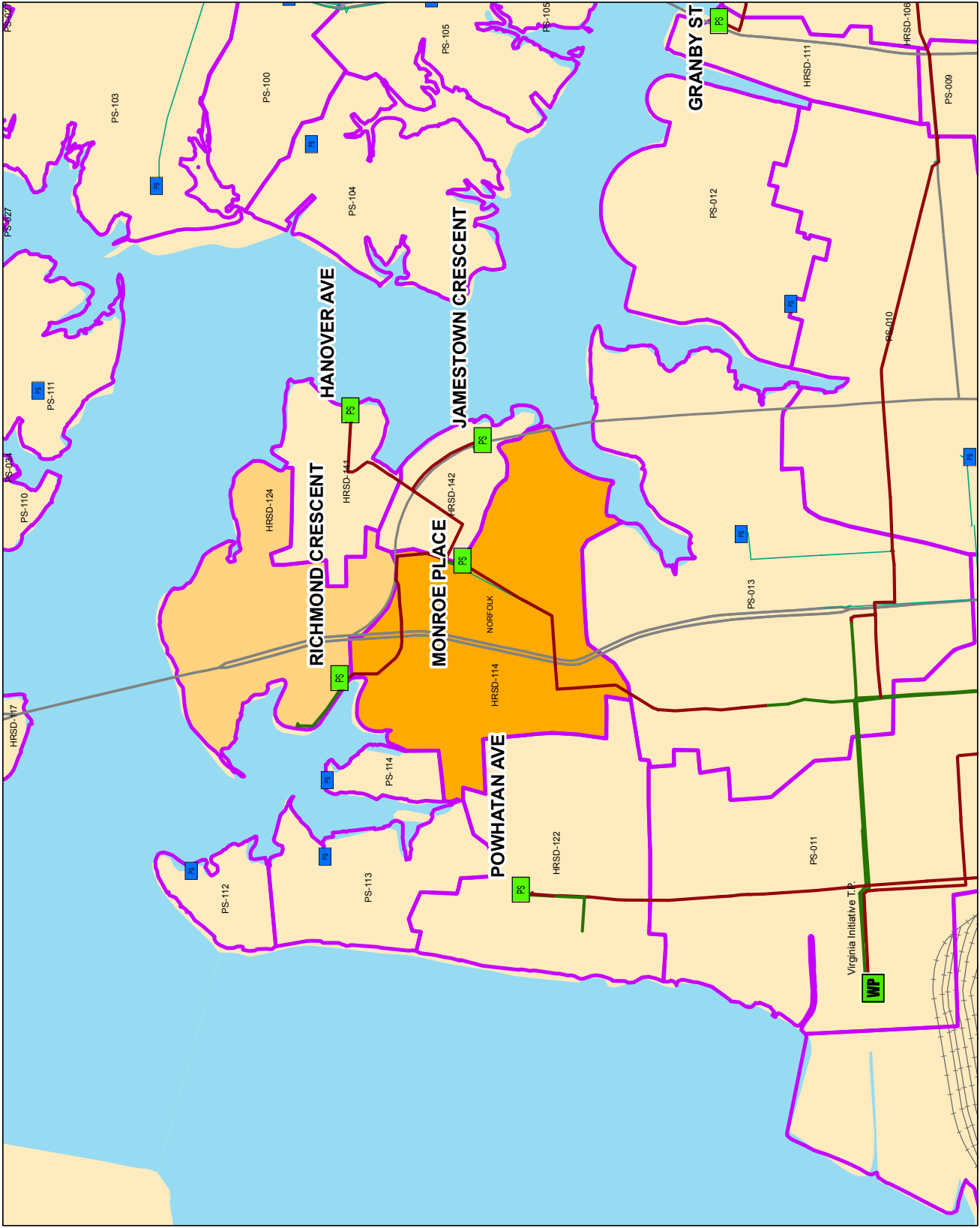
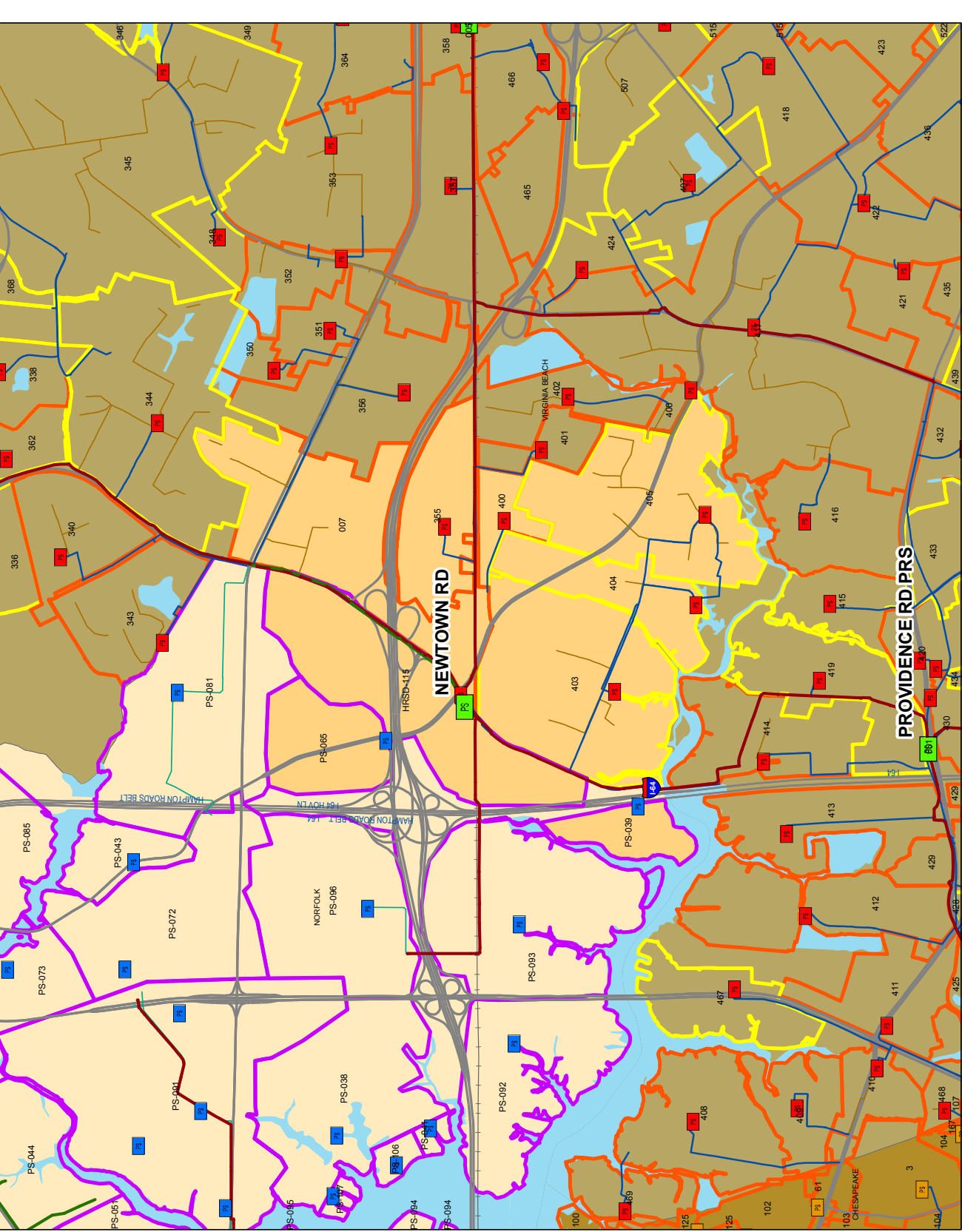


Figure A-47
HRSD CAP
HRSD Pump Station:
Newtown Rd

Sep 11, 2009



- Legend**
- PS HRSD Pump Stations
 - WTP HRSD Treatment Plants
 - Chesapeake Pump Stations
 - Norfolk Pump Stations
 - Suffolk Pump Stations
 - Virginia Beach Pump Stations
 - HRSD Force Main
 - HRSD Gravity Main
 - Locality Force Main
 - Locality Gravity Sewer 10" and Greater
 - Norfolk Sewer 10" and Greater
 - SSES Basins
 - Non SSES Basins
 - N/A
 - HRSD Pump Station Service Area
 - Newtown Rd

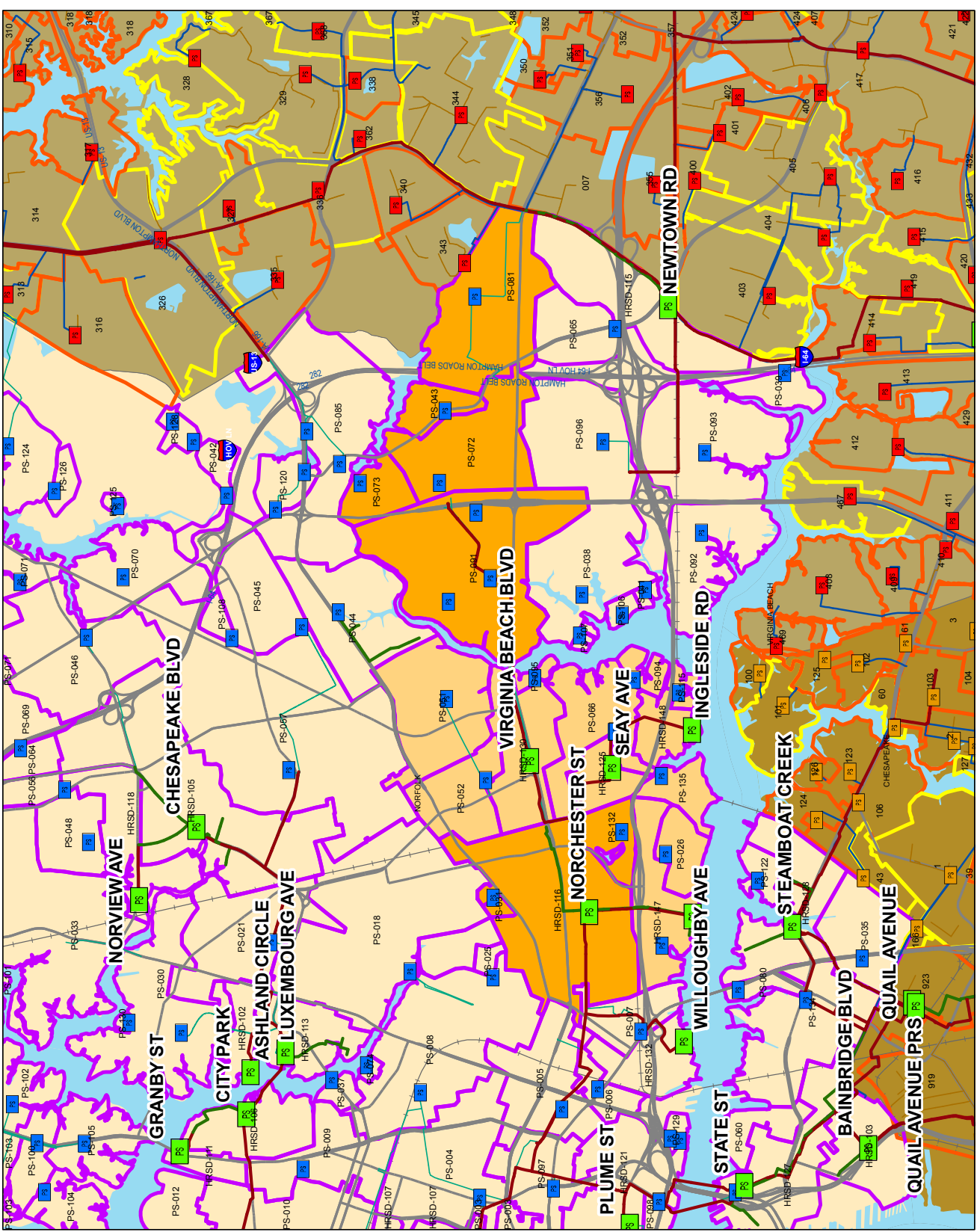
MAP KEY



BROWN AND CALDWELL



Figure A-48
HRSD CAP
HRSD Pump Station:
Norchester St



Legend

- HRSD Pump Stations
- HRSD Treatment Plants
- Chesapeake Pump Stations
- Norfolk Pump Stations
- Suffolk Pump Stations
- Virginia Beach Pump Stations
- HRSD Force Main
- HRSD Gravity Main
- Locality Force Main
- Locality Gravity Sewer 10" and Greater
- Norfolk Sewer 10" and Greater
- SSES Basins
- Non SSES Basins
- N/A
- Re-Pumped Chesterfield Blvd Area
- Re-Pumped Ingleside Rd Area
- Norchester St Service Area
- Re-Pumped Seay Ave Area
- Re-Pumped Virginia Beach Blvd Area

MAP KEY

Scale

0 1,500 3,000 6,000 Feet

Orientation

Sep 11, 2009

Hampton Roads Sanitation District

BROWN AND CALDWELL

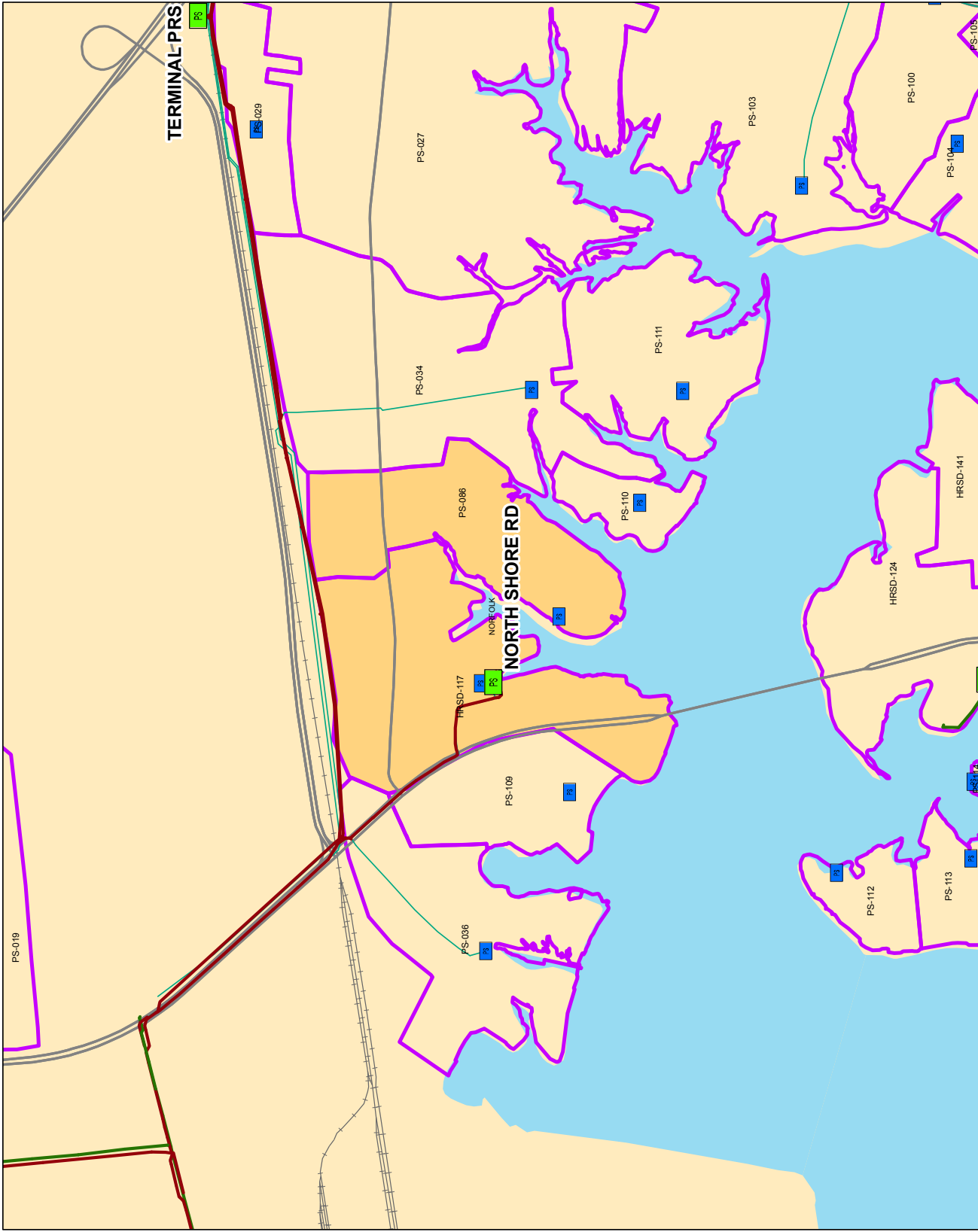
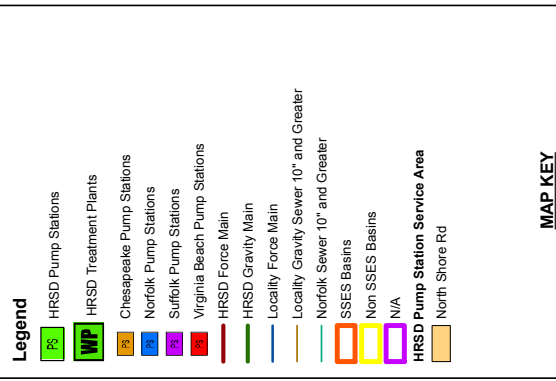



Figure A-49
HRSD CAP
HRSD Pump Station:
North Shore Rd
 Sep 11, 2009

- Legend**
- PS HRSD Pump Stations
 - WP HRSD Treatment Plants
 - PS Chesapeake Pump Stations
 - PS Norfolk Pump Stations
 - PS Suffolk Pump Stations
 - PS Virginia Beach Pump Stations
 - HRSD Force Main
 - HRSD Gravity Main
 - Locality Force Main
 - Locality Gravity Sewer 10" and Greater
 - Norfolk Gravity Sewer 10" and Greater
 - SSES Basins
 - Non SSES Basins
 - N/A
 - HRSD Pump Station Service Area
 - North Shore Rd



MAP KEY



BROWN AND CALDWELL

0 500 1,000 2,000 Feet


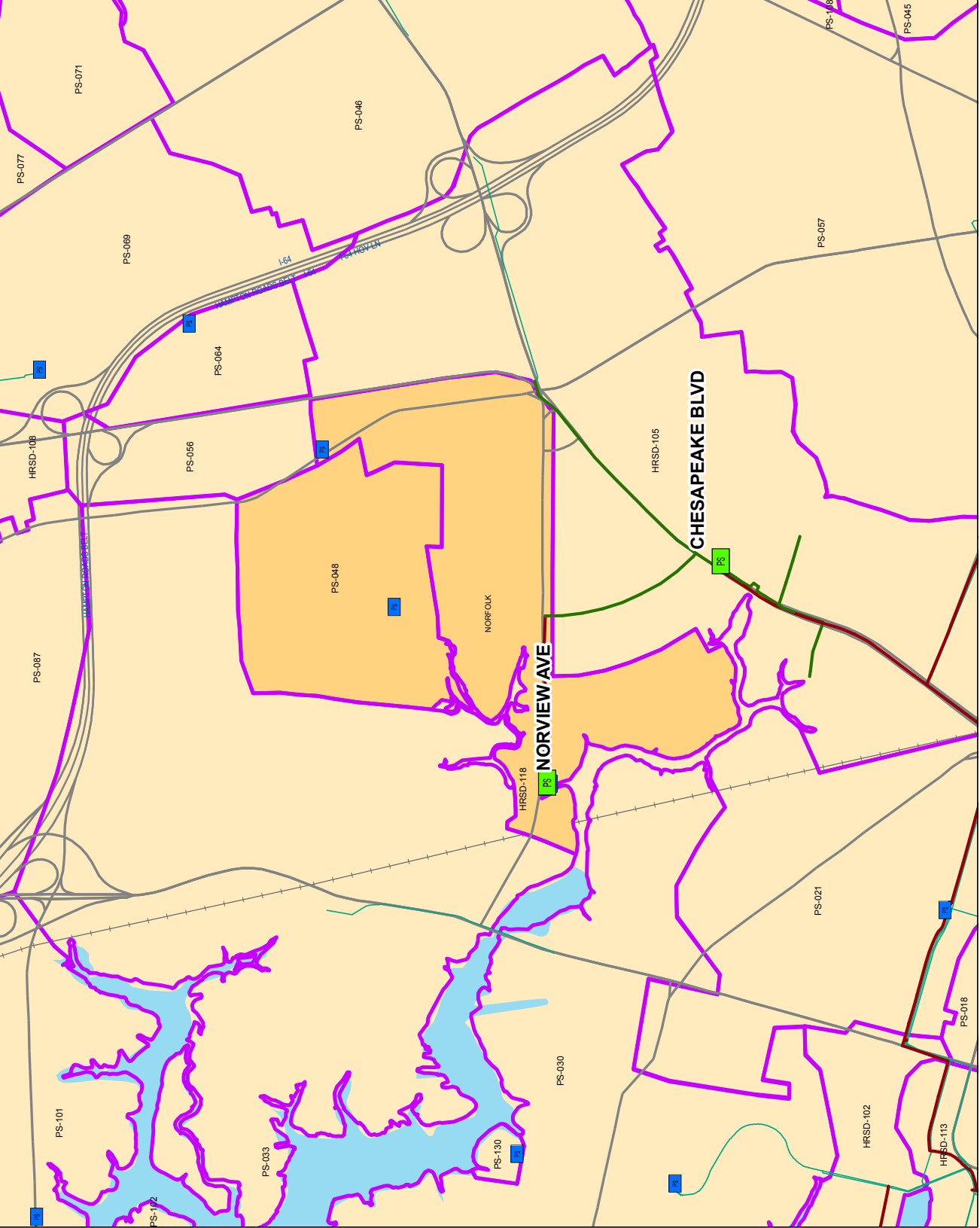


Figure A-50

**HRSD CAP
HRSD Pump Station:
Norview Ave**

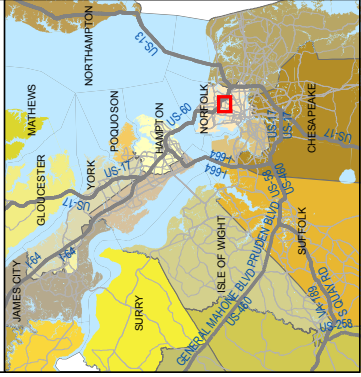
Sep 11, 2009



Legend

- HRSD Pump Stations
- HRSD Treatment Plants
- Chesapeake Pump Stations
- Norfolk Pump Stations
- Suffolk Pump Stations
- Virginia Beach Pump Stations
- HRSD Force Main
- HRSD Gravity Main
- Locality Force Main
- Locality Gravity Sewer 10" and Greater
- Norfolk Sewer 10" and Greater
- SSES Basins
- Non SSES Basins
- N/A
- HRSD Pump Station Service Area
- Norview Ave

MAP KEY



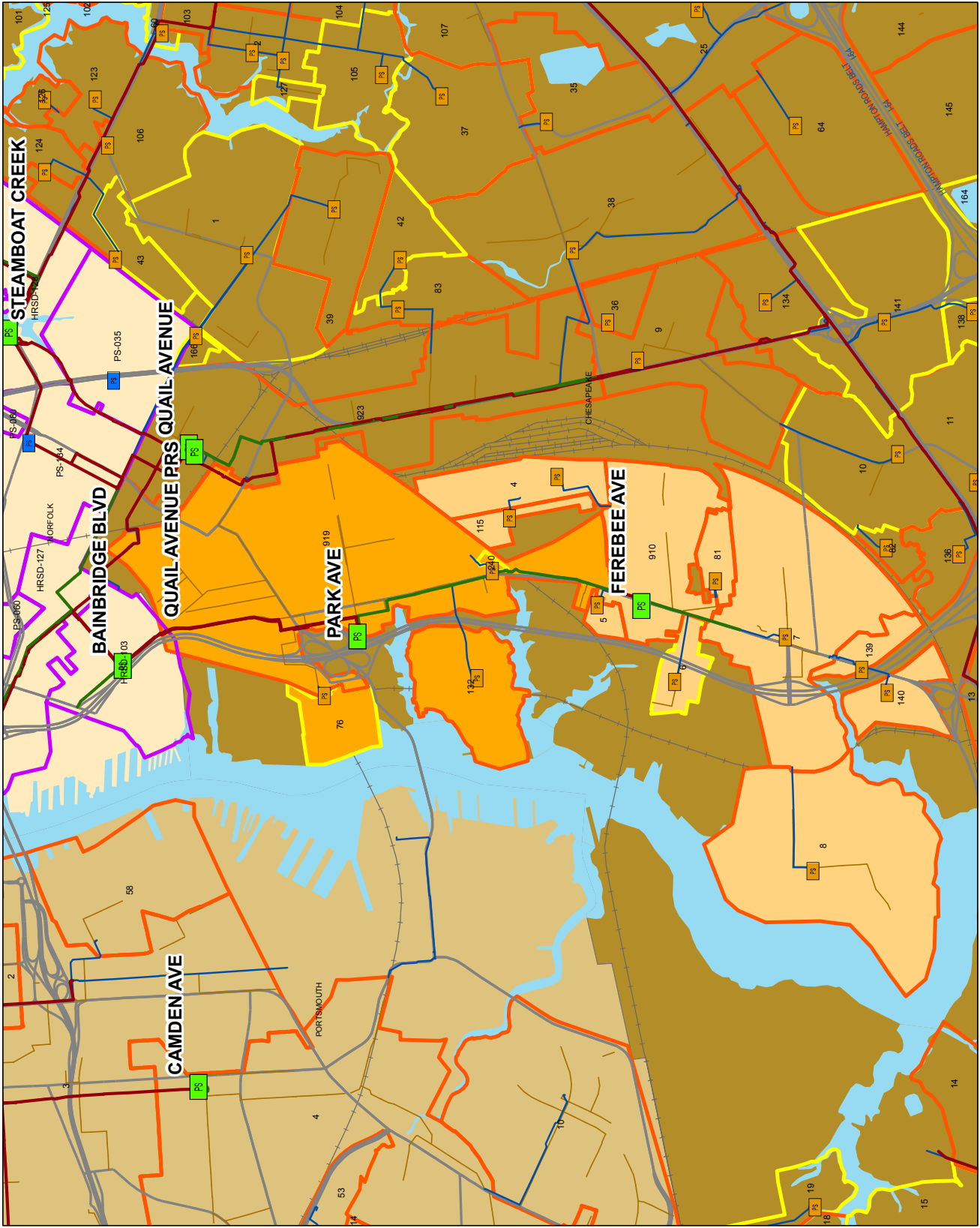
**BROWN AND
CALDWELL**



Figure A-51

**HRSD CAP
HRSD Pump Station:
Park Ave**

Sep 11, 2009



Legend

- HRSD Pump Stations
- HRSD Treatment Plants
- Chesapeake Pump Stations
- Norfolk Pump Stations
- Suffolk Pump Stations
- Virginia Beach Pump Stations
- HRSD Force Main
- HRSD Gravity Main
- Locality Force Main
- Locality Gravity Sewer 10" and Greater
- Norfolk Sewer 10" and Greater
- SSES Basins
- Non SSES Basins
- N/A
- HRSD Pump Station Service Area
- Re-Pumped Ferebee Ave Area
- Park Ave

MAP KEY



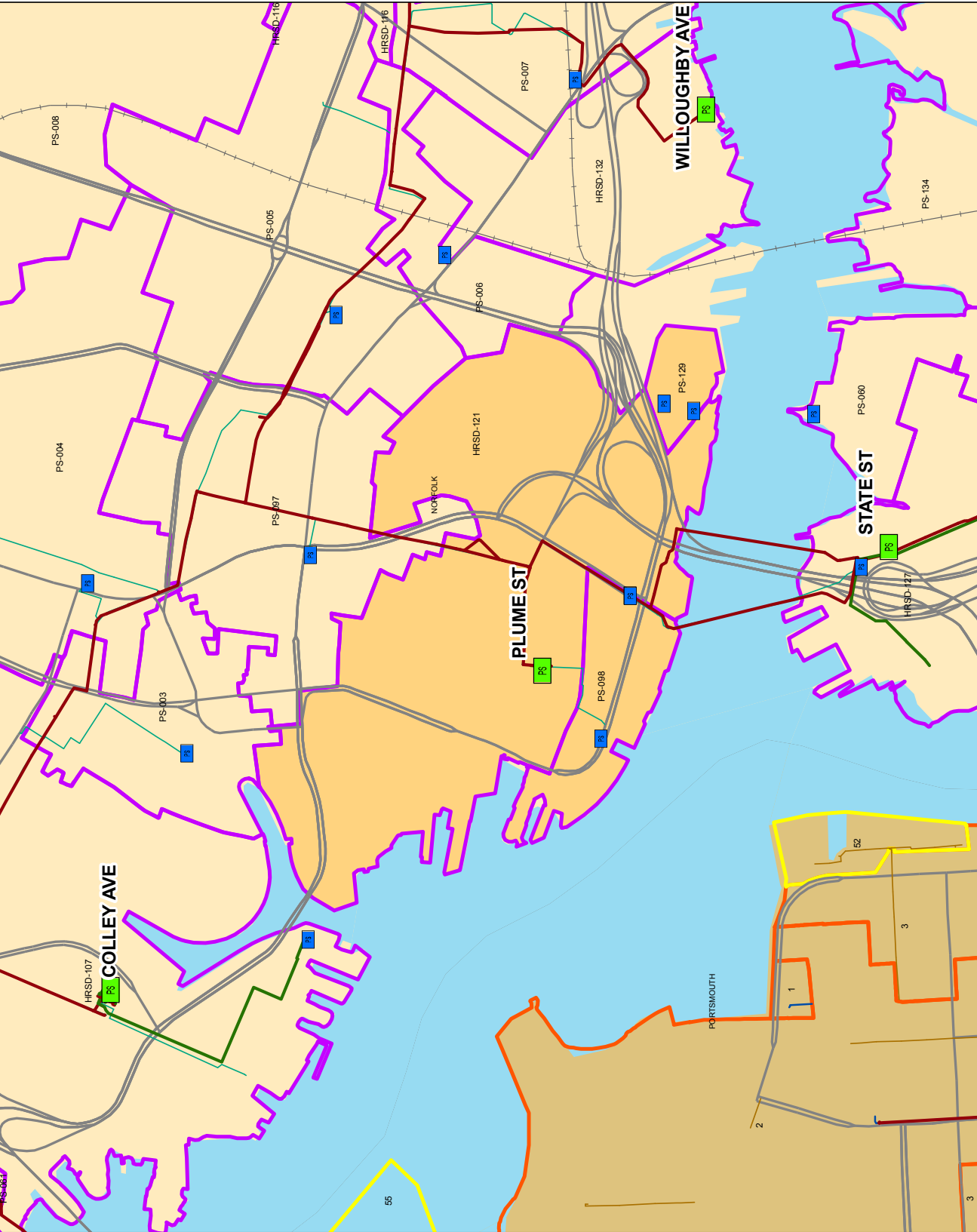
**BROWN AND
CALDWELL**

0 1,000 2,000 4,000 Feet

Figure A-52

**HRSD CAP
HRSD Pump Station:
Plume St**

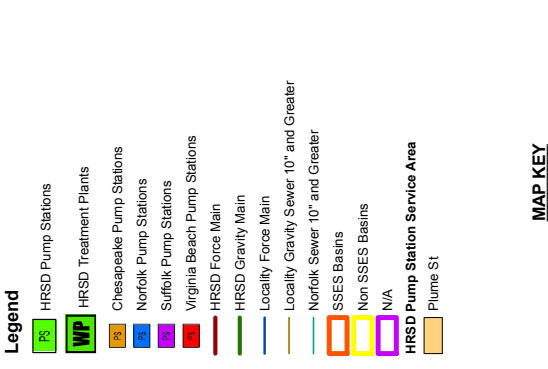
Sep 11, 2009



North arrow pointing North (N), West (W), East (E), and South (S).

Legend

- HRSD Pump Stations (Green square with 'PS')
- HRSD Treatment Plants (Green square with 'TP')
- Chesapeake Pump Stations (Orange square with 'PS')
- Norfolk Pump Stations (Blue square with 'PS')
- Suffolk Pump Stations (Purple square with 'PS')
- Virginia Beach Pump Stations (Red square with 'PS')
- HRSD Force Main (Red line)
- HRSD Gravity Main (Green line)
- Locality Force Main (Blue line)
- Locality Gravity Sewer 10" and Greater (Blue line)
- Norfolk Gravity Sewer 10" and Greater (Blue line)
- SSES Basins (Orange square)
- Non SSES Basins (Yellow square)
- N/A (White square)
- HRSD Pump Station Service Area (Purple outline)
- Plume St (Orange outline)



BRUNN AND CALDWELL

HAMPTON ROADS SANITATION DISTRICT

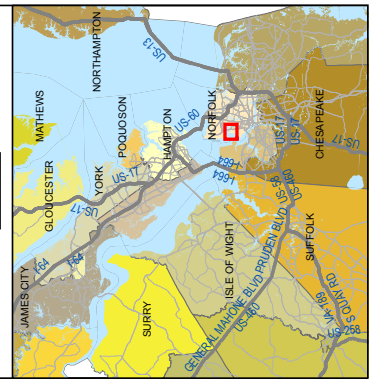
Scale: 0, 500, 1,000, 2,000 Feet

Figure A-53
HRSD CAP
HRSD Pump Station:
Powhatan Ave

Sep 11, 2009

- Legend**
- PS HRSD Pump Stations
 - WP HRSD Treatment Plants
 - Chesapeake Pump Stations
 - Norfolk Pump Stations
 - Suffolk Pump Stations
 - Virginia Beach Pump Stations
 - HRSD Force Main
 - HRSD Gravity Main
 - Locality Force Main
 - Locality Gravity Sewer 10" and Greater
 - Norfolk Sewer 10" and Greater
 - SSES Basins
 - Non SSES Basins
 - N/A
 - HRSD Pump Station Service Area
 - Powhatan Ave

MAP KEY



BROWN AND CALDWELL

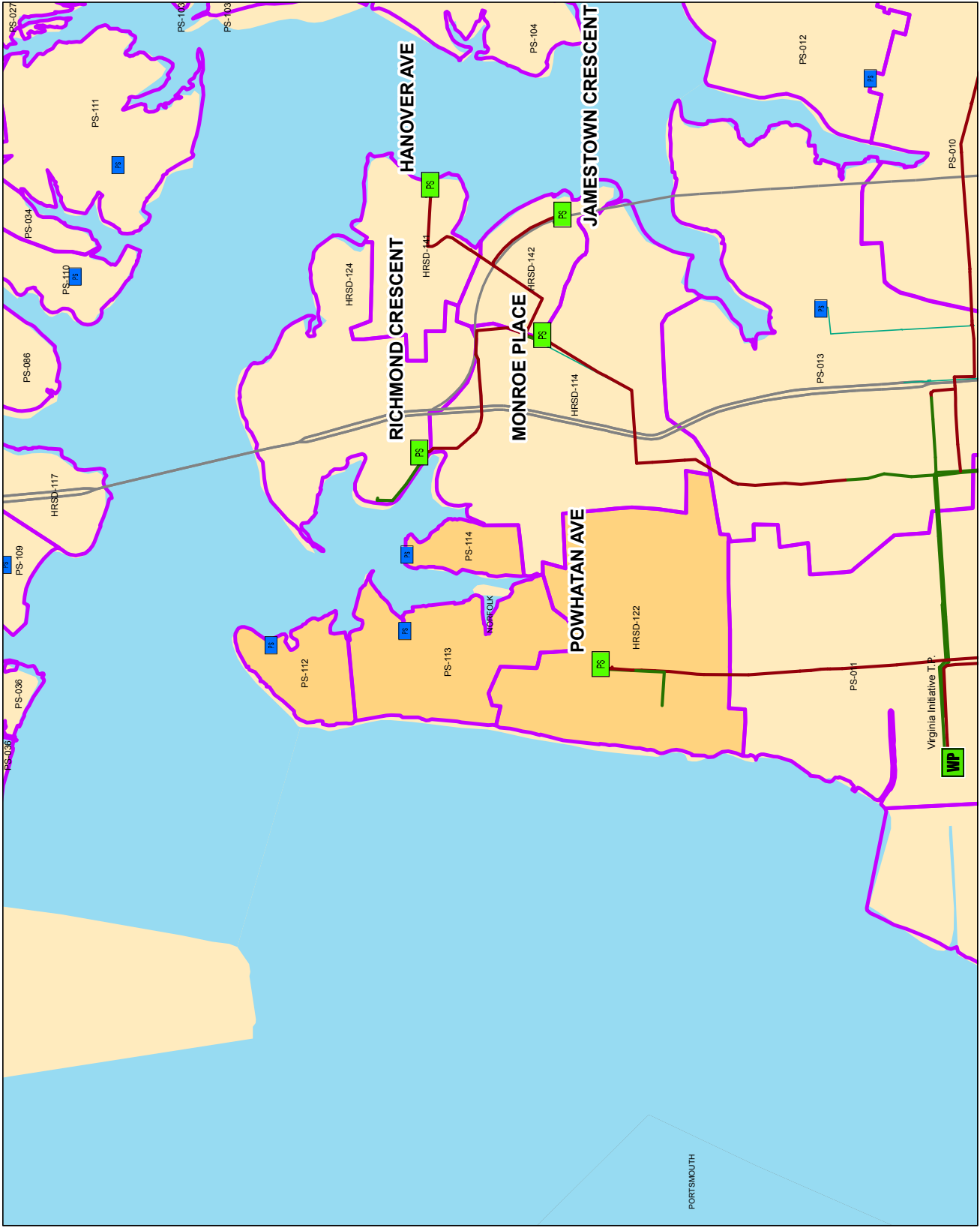
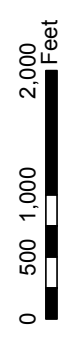


Figure A-54

**HRSD CAP
HRSD Pump Station:
Quail Ave**

Sep 11, 2009



Legend

- HRSD Pump Stations
- HRSD Treatment Plants
- Chesapeake Pump Stations
- Norfolk Pump Stations
- Suffolk Pump Stations
- Virginia Beach Pump Stations
- HRSD Force Main
- HRSD Gravity Main
- Locality Force Main
- Locality Gravity Sewer 10" and Greater
- Norfolk Sewer 10" and Greater
- SSES Basins
- Non SSES Basins
- N/A
- HRSD Pump Station Service Area
- Quail Ave

MAP KEY

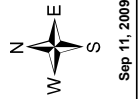
**Hampton Roads
Sanitation District**

**BROWN AND
CALDWELL**

0 1,000 2,000 4,000 Feet

Figure A-55

HRSD CAP
HRSD Pump Station:
Richmond Crescent



- Legend**
- PS HRSD Pump Stations
 - HRSD Treatment Plants
 - Chesapeake Pump Stations
 - Norfolk Pump Stations
 - Suffolk Pump Stations
 - Virginia Beach Pump Stations
 - HRSD Force Main
 - HRSD Gravity Main
 - Locality Force Main
 - Locality Gravity Sewer 10" and Greater
 - Norfolk Sewer 10" and Greater
 - SSES Basins
 - Non SSES Basins
 - N/A
 - HRSD Pump Station Service Area
 - Richmond Crescent

MAP KEY



BROWN AND CALDWELL

0 500 1,000 2,000 Feet

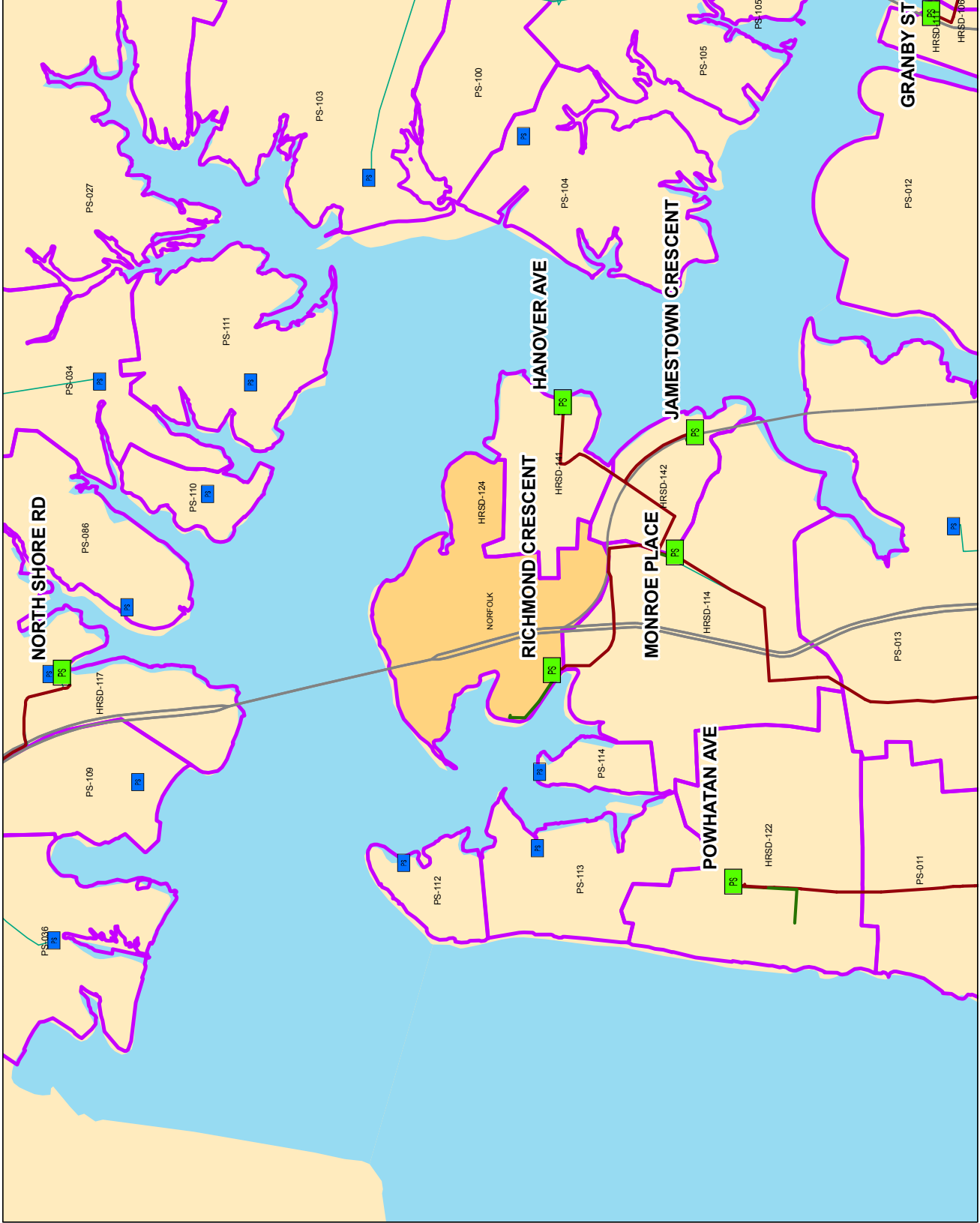


Figure A-56
HRSD CAP
HRSD Pump Station:
Rodman Ave



Sep 11, 2009

- Legend**
- PS HRSD Pump Stations
 - WTP HRSD Treatment Plants
 - PS Chesapeake Pump Stations
 - PS Norfolk Pump Stations
 - PS Suffolk Pump Stations
 - PS Virginia Beach Pump Stations
 - HRSD Force Main
 - HRSD Gravity Main
 - Locality Force Main
 - Locality Gravity Sewer 10" and Greater
 - Norfolk Sewer 10" and Greater
 - SSES Basins
 - Non SSES Basins
 - N/A
 - HRSD Pump Station Service Area
 - Rodman Ave

MAP KEY



BROWN AND CALDWELL

0 1,000 2,000 4,000 Feet

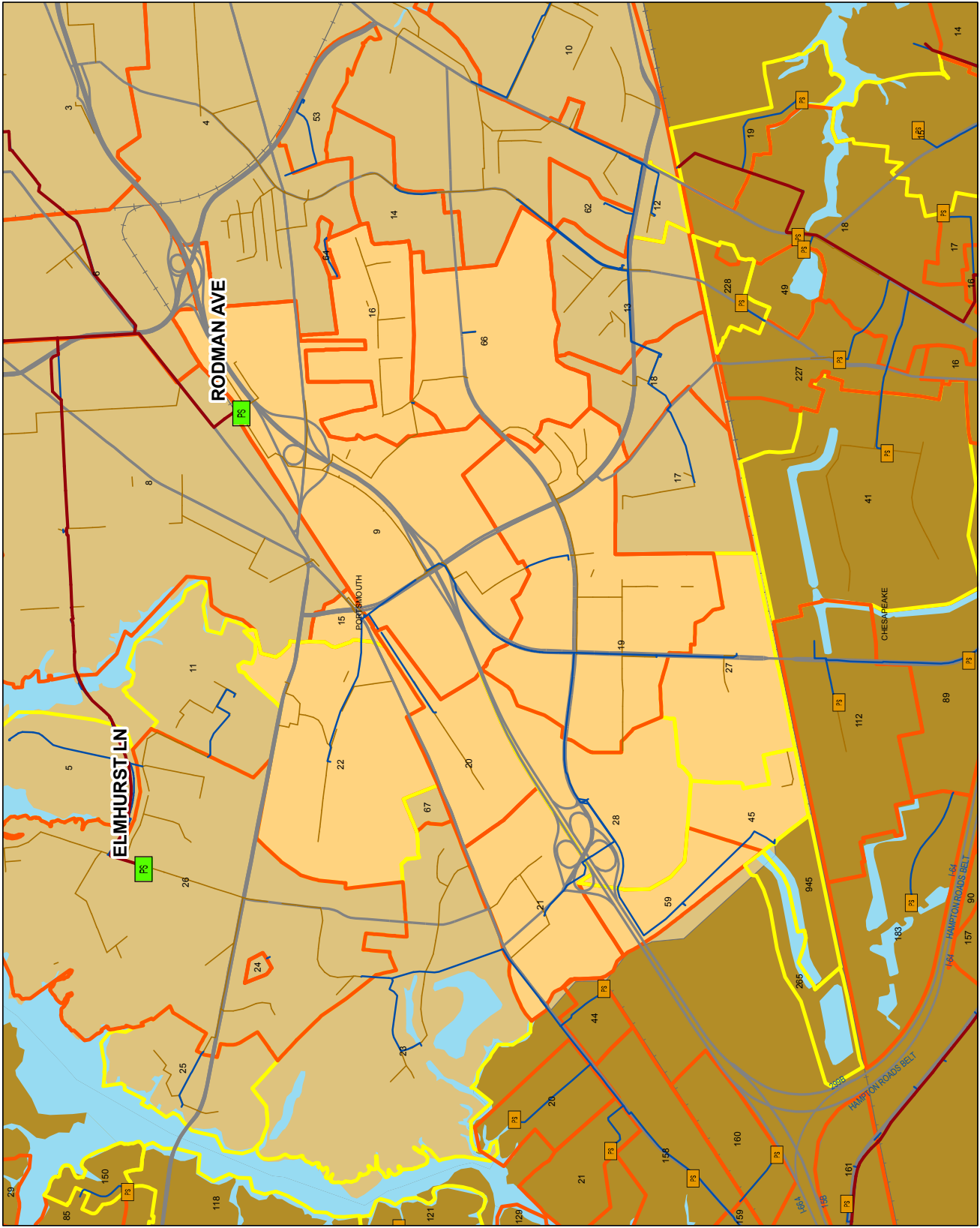


Figure A-57
HRSD CAP
HRSD Pump Station:
Seay Ave

Sep 11, 2009

- Legend**
- PS HRSD Pump Stations
 - WTP HRSD Treatment Plants
 - PS Chesapeake Pump Stations
 - PS Norfolk Pump Stations
 - PS Suffolk Pump Stations
 - PS Virginia Beach Pump Stations
 - HRSD Force Main
 - HRSD Gravity Main
 - Locality Force Main
 - Locality Gravity Sewer 10" and Greater
 - Norfolk Sewer 10" and Greater
 - SSES Basins
 - Non SSES Basins
 - N/A
 - HRSD Pump Station Service Area
 - Seay Ave

MAP KEY



BROWN AND CALDWELL

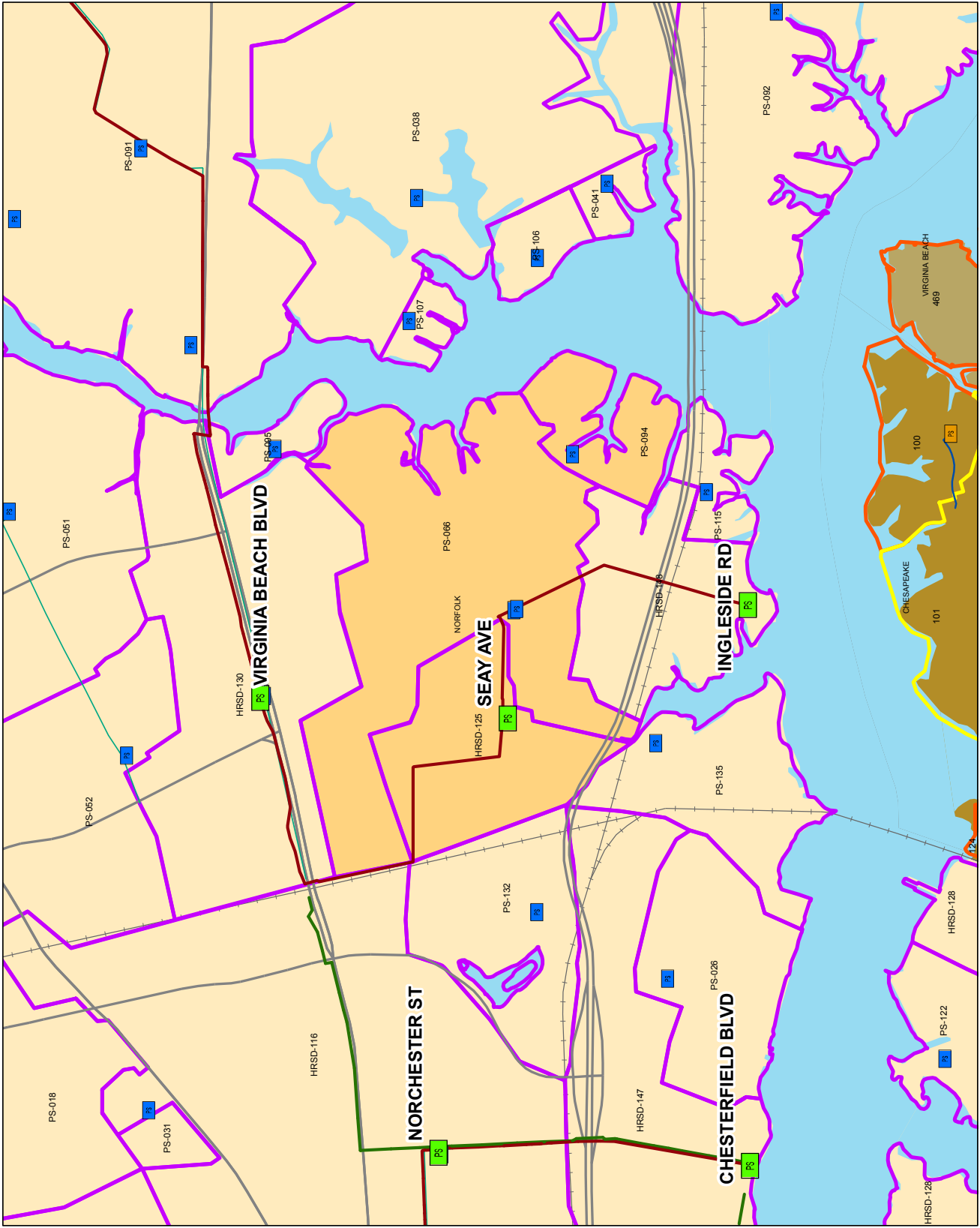
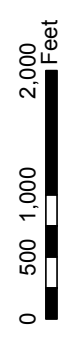


Figure A-58
HRSD CAP
HRSD Pump Station:
State St

North Arrow
 N
 W E
 S
 Sep 11, 2009

- Legend**
- PS HRSD Pump Stations
 - WP HRSD Treatment Plants
 - Chesapeake Pump Stations
 - Norfolk Pump Stations
 - Suffolk Pump Stations
 - Virginia Beach Pump Stations
 - HRSD Force Main
 - HRSD Gravity Main
 - Locality Gravity Sewer 10" and Greater
 - Norfolk Sewer 10" and Greater
 - SSES Basins
 - Non SSES Basins
 - N/A
 - HRSD Pump Station Service Area
 - State St

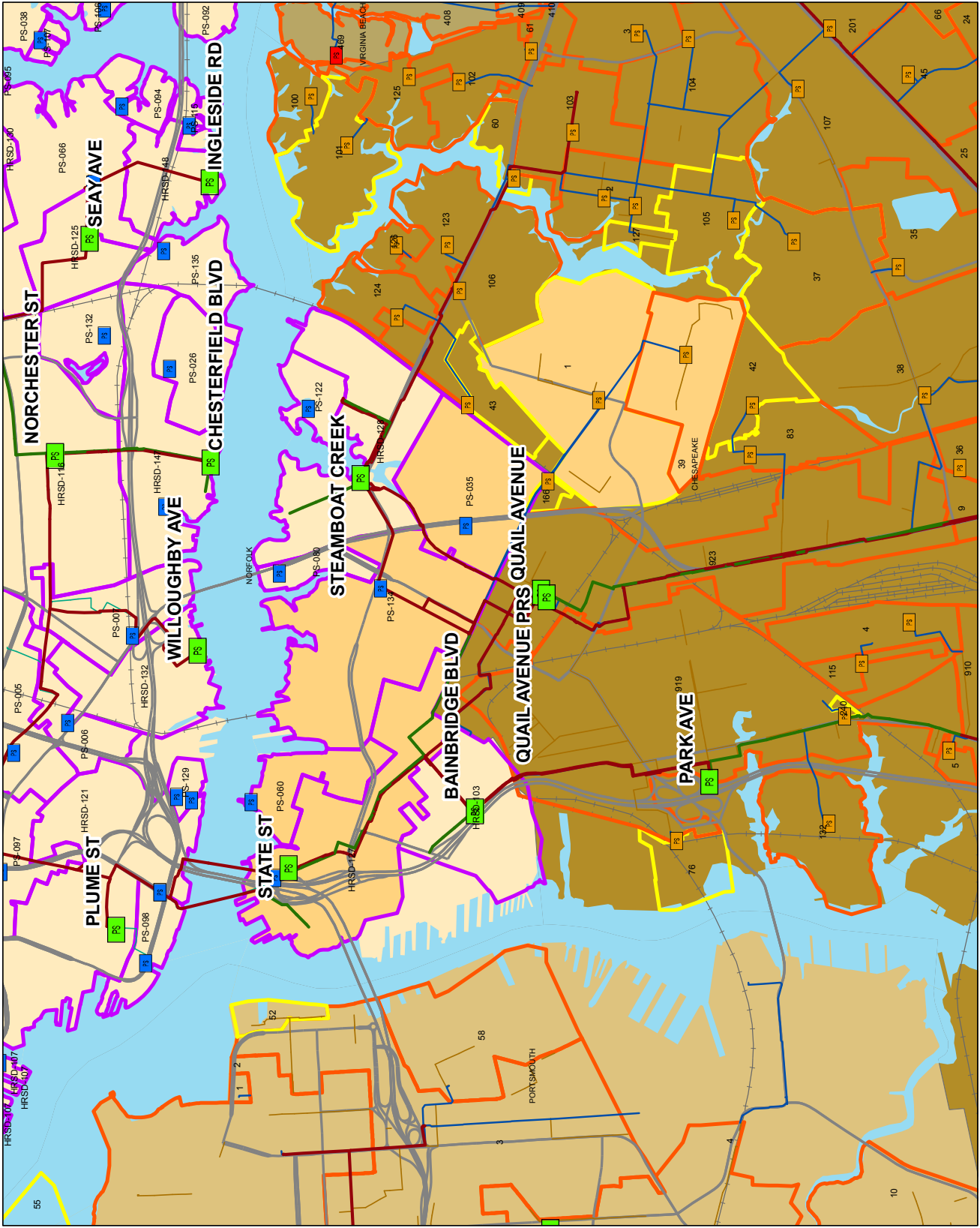
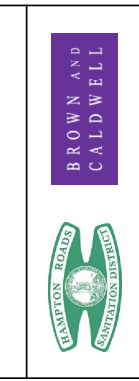
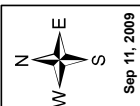


Figure A-59
HRSD CAP
HRSD Pump Station:
Steamboat Creek



Sep 11, 2009

- Legend**
- PS HRSD Pump Stations
 - WP HRSD Treatment Plants
 - PS Chesapeake Pump Stations
 - PS Norfolk Pump Stations
 - PS Suffolk Pump Stations
 - PS Virginia Beach Pump Stations
 - HRSD Force Main
 - HRSD Gravity Main
 - Locality Force Main
 - Locality Gravity Sewer 10" and Greater
 - Norfolk Gravity Sewer 10" and Greater
 - SSES Basins
 - Non SSES Basins
 - N/A
 - HRSD Pump Station Service Area
 - Steamboat Creek



BROWN AND CALDWELL

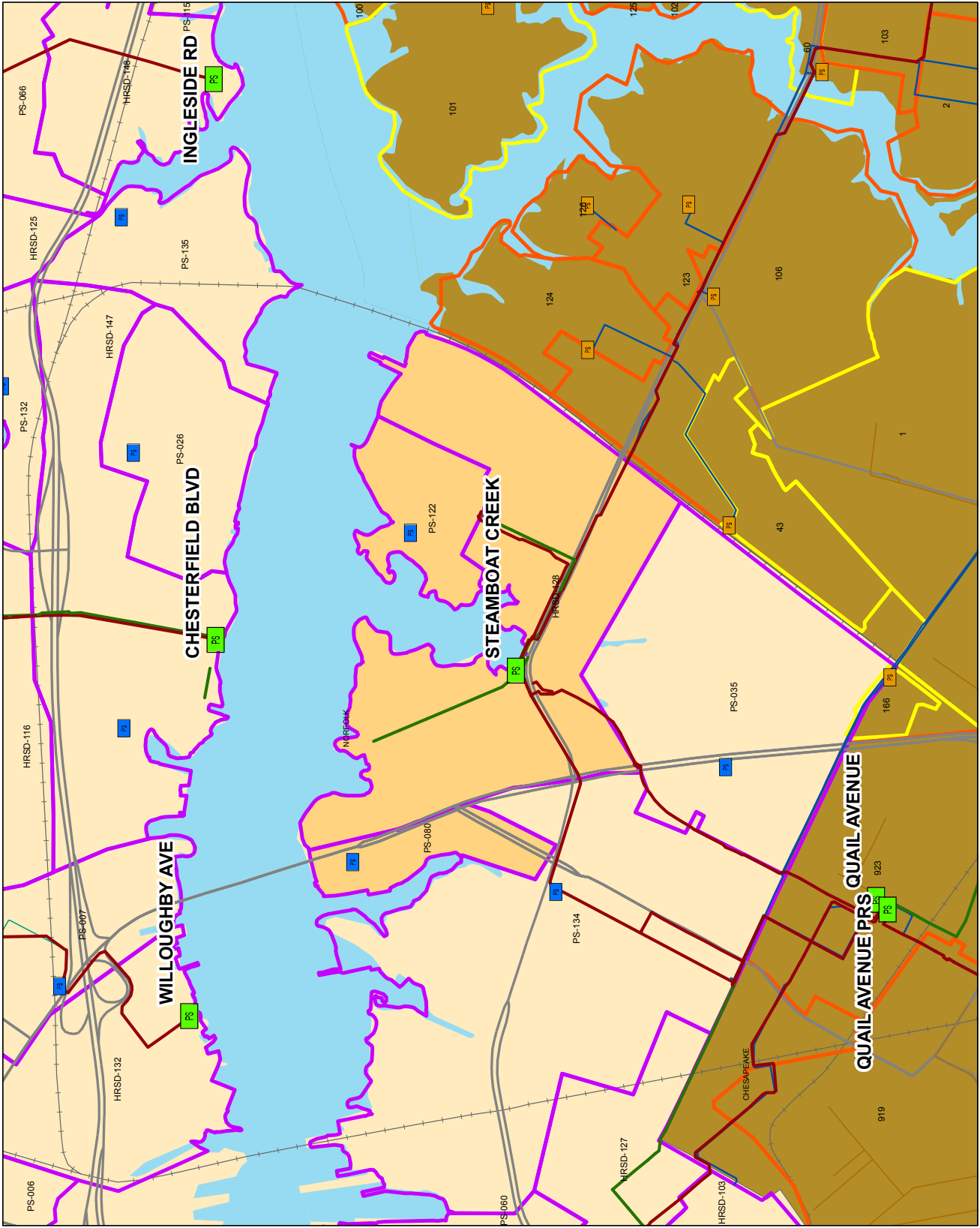
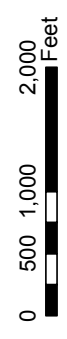
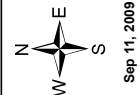


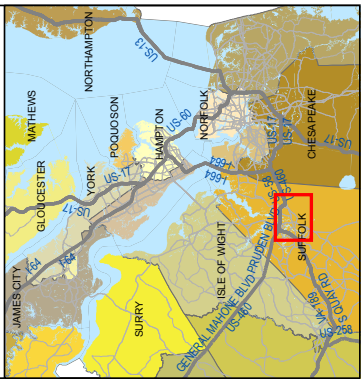
Figure A-60
HRSD CAP
HRSD Pump Station:
Suffolk



Sep 11, 2009

- Legend**
- PS HRSD Pump Stations
 - WTP HRSD Treatment Plants
 - Chesapeake Pump Stations
 - Norfolk Pump Stations
 - Suffolk Pump Stations
 - Virginia Beach Pump Stations
 - HRSD Force Main
 - HRSD Gravity Main
 - Locality Force Main
 - Locality Gravity Sewer 10" and Greater
 - Norfolk Gravity Sewer 10" and Greater
 - SSES Basins
 - Non SSES Basins
 - N/A
 - HRSD Pump Station Service Area
 - Suffolk

MAP KEY



BROWN AND CALDWELL

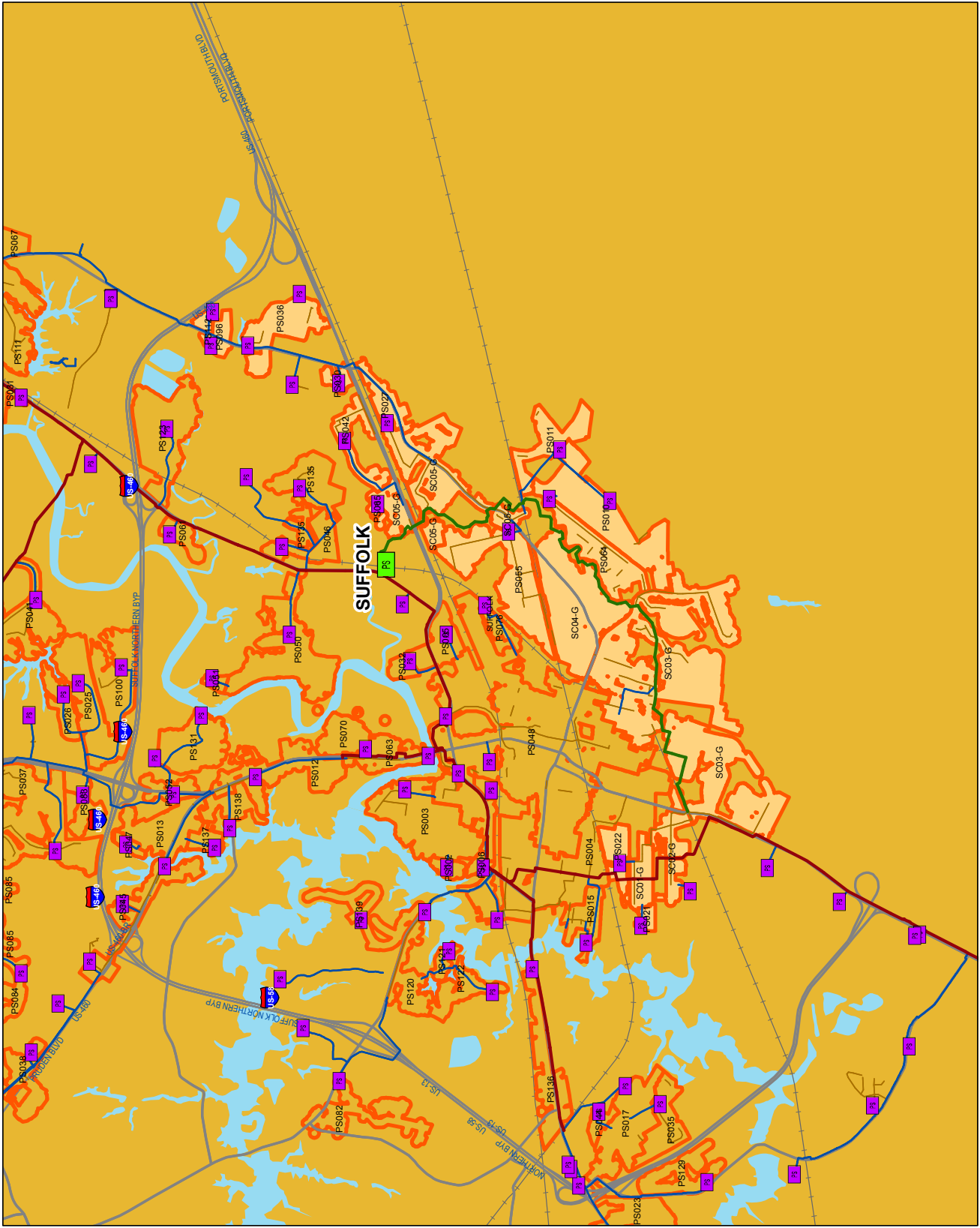


Figure A-61

HRSD CAP
HRSD Pump Station:
Taussig Blvd

Sep 11, 2009



Legend

- PS HRSD Pump Stations
- WP HRSD Treatment Plants
- PS Chesapeake Pump Stations
- PS Norfolk Pump Stations
- PS Suffolk Pump Stations
- PS Virginia Beach Pump Stations
- HRSD Force Main
- HRSD Gravity Main
- Locality Force Main
- Locality Gravity Sewer 10" and Greater
- Norfolk Gravity Sewer 10" and Greater
- SSES Basins
- Non SSES Basins
- N/A
- HRSD Pump Station Service Area
- Taussig Blvd

MAP KEY



BROWN AND
CALDWELL

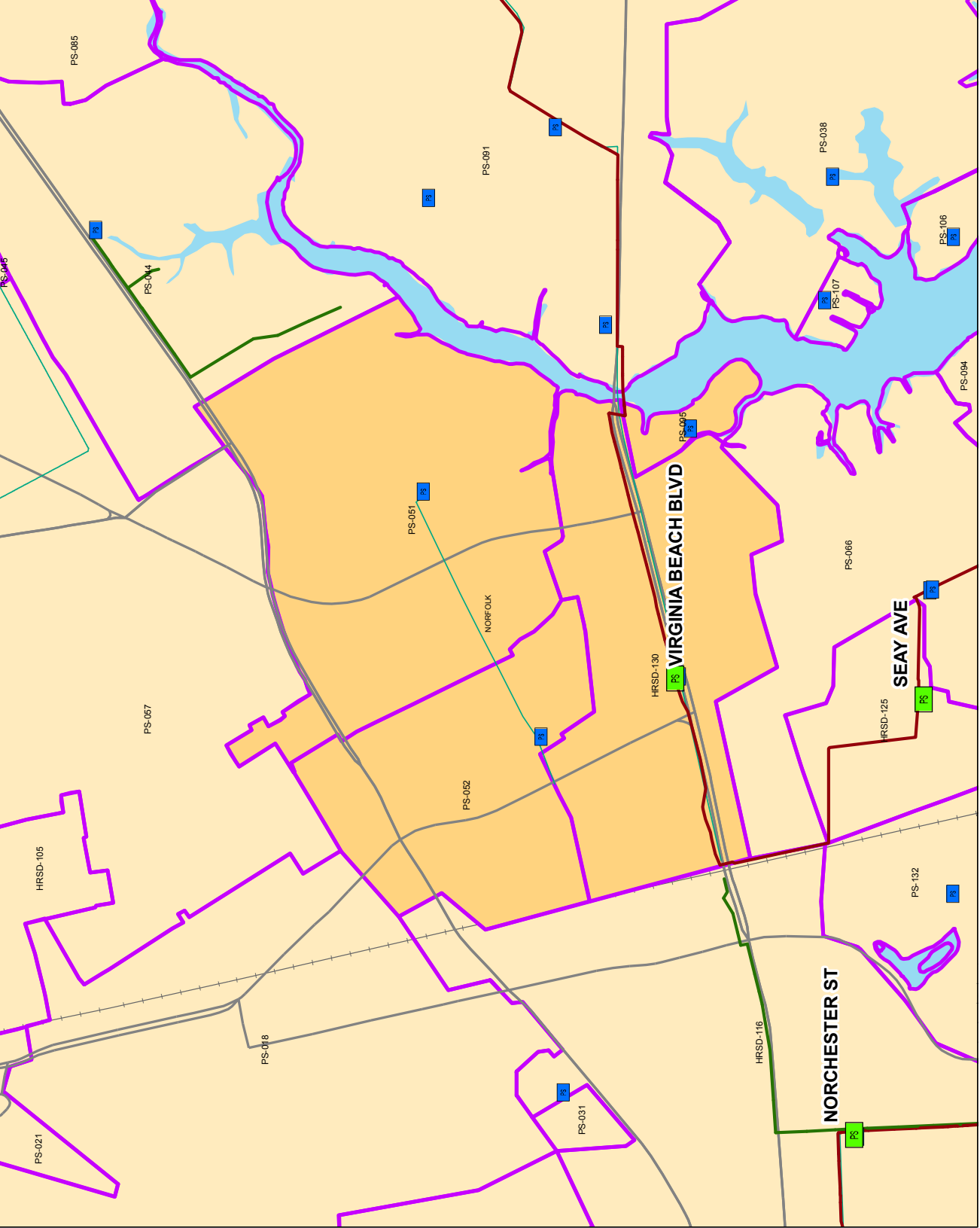
0 500 1,000 2,000
Feet



Figure A-62

**HRSD CAP
HRSD Pump Station:
Virginia Beach Blvd**

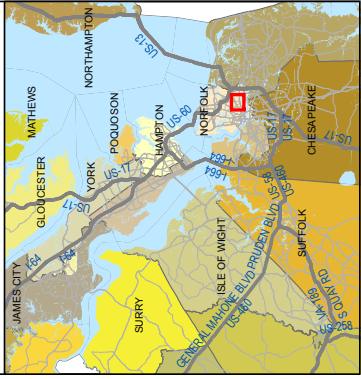
Sep 11, 2009



Legend

- HRSD Pump Stations
- HRSD Treatment Plants
- Chesapeake Pump Stations
- Norfolk Pump Stations
- Suffolk Pump Stations
- Virginia Beach Pump Stations
- HRSD Force Main
- HRSD Gravity Main
- Locality Force Main
- Locality Gravity Sewer 10" and Greater
- Norfolk Sewer 10" and Greater
- SSES Basins
- Non SSES Basins
- N/A
- HRSD Pump Station Service Area
- Virginia Beach Blvd

MAP KEY



BROWN AND CALDWELL



Figure A-63
HRSD CAP
HRSD Pump Station:
Washington District

Sep 11, 2009



- Legend**
- PS HRSD Pump Stations
 - WP HRSD Treatment Plants
 - PS Chesapeake Pump Stations
 - PS Norfolk Pump Stations
 - PS Suffolk Pump Stations
 - PS Virginia Beach Pump Stations
 - HRSD Force Main
 - HRSD Gravity Main
 - Locality Force Main
 - Locality Gravity Sewer 10" and Greater
 - Norfolk Sewer 10" and Greater
 - SSES Basins
 - Non SSES Basins
 - N/A
 - HRSD Pump Station Service Area
 - Re-Pumped Dozier's Corner Area
 - Washington District

MAP KEY



BROWN AND CALDWELL

0 1,000 2,000 4,000 Feet

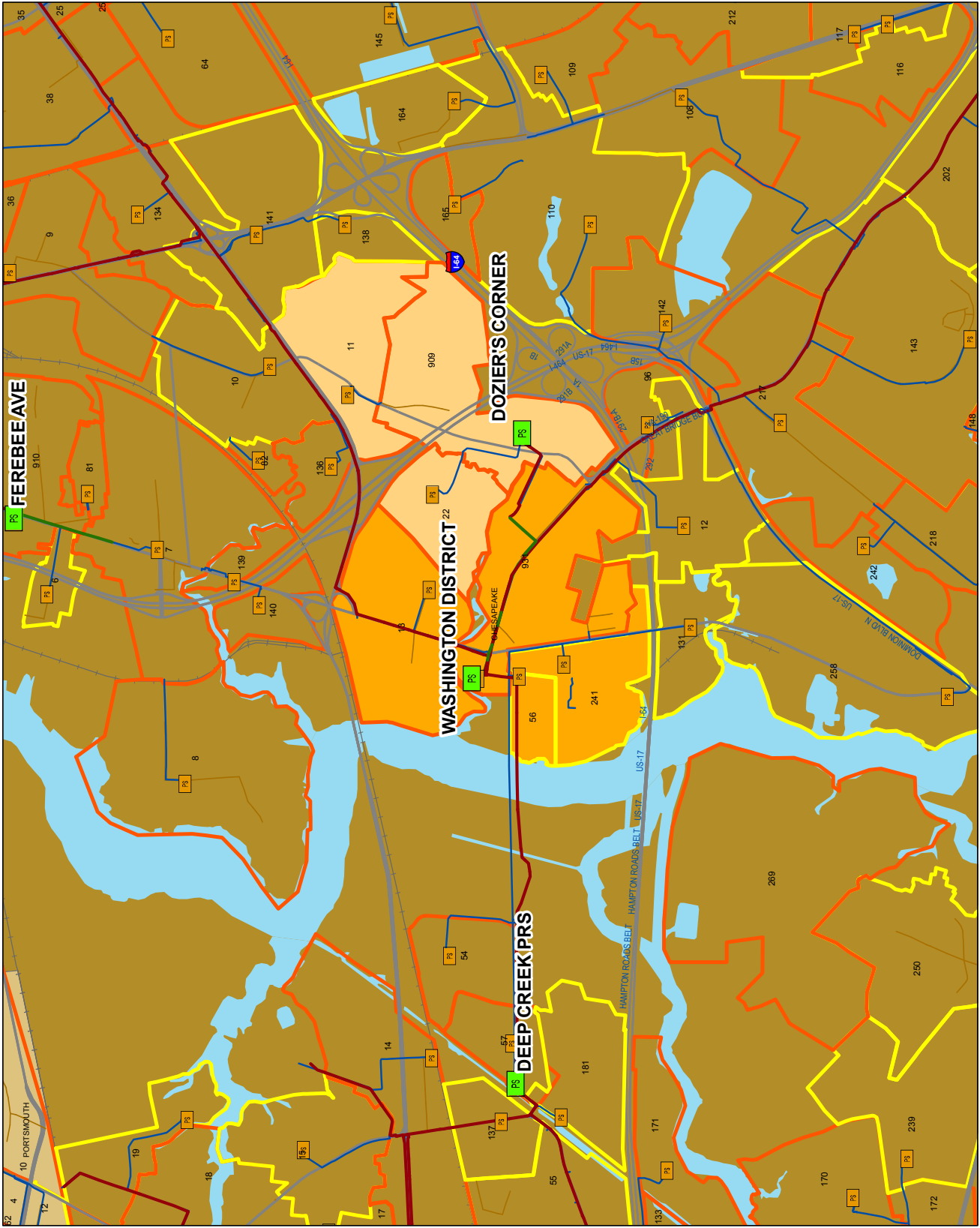
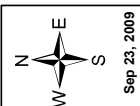


Figure A-64
HRSD CAP
HRSD Pump Station:
Willoughby Ave



Sep 23, 2009

- Legend**
- PS HRSD Pump Stations
 - WTP HRSD Treatment Plants
 - Chesapeake Pump Stations
 - Norfolk Pump Stations
 - Suffolk Pump Stations
 - Virginia Beach Pump Stations
 - HRSD Force Main
 - HRSD Gravity Main
 - Locality Force Main
 - Locality Gravity Sewer 10" and Greater
 - Norfolk Gravity Sewer 10" and Greater
 - SSES Basins
 - Non SSES Basins
 - N/A
 - HRSD Pump Station Service Area
 - Willoughby Ave

