



Beaufort County
Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Port Royal Island Road Valley Drains

Activity: Routine/Preventive Maintenance

Narrative Description of Project:

Completion: Feb-13

Project improved 25,312 L.F. of drainage system. Cleaned out 25,312 L.F. of valley drains. This project consisted of the following areas: Horton Drive (2,156 L.F.), Roseida Road Extension (3,450 L.F.), Rivers Hill Road (1,260 L.F.), Smith Road (593 L.F.), Moses Road (3,096 L.F.), Mulrain Road (981 L.F.), Webb Road (637 L.F.), Braden Road (1,730 L.F.), Smalls Hill Road (738 L.F.), Grant Street (1,240), Franklin Road (4,255 L.F.), Cherokee Farms Road (3,000 L.F.) and Donaldson Camp Road (2,176 L.F.)

2013-313 / Port Royal Island Road Valley Drains	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	1.0	\$20.89	\$0.00	\$0.00	\$0.00	\$13.23	\$34.12
COVD / Cleaned Out Valley Drains	202.5	\$4,361.10	\$825.46	\$449.16	\$0.00	\$2,829.04	\$8,464.76
HAUL / Hauling	56.0	\$1,224.55	\$545.70	\$164.03	\$0.00	\$812.87	\$2,747.15
ONJV / Onsite Job Visit	4.0	\$124.88	\$16.08	\$18.72	\$0.00	\$97.88	\$257.56
PRRECON / Project Reconnaissance	3.0	\$93.66	\$12.06	\$24.96	\$0.00	\$73.41	\$204.09
RMTR / Remove trees-roads	9.0	\$195.66	\$12.06	\$6.98	\$0.00	\$127.38	\$342.08
2013-313 / Port Royal Island Road Valley Drains : Sub Total	275.5	\$6,020.74	\$1,411.36	\$663.85	\$0.00	\$3,953.81	\$12,049.76
Grand Total	275.5	\$6,020.74	\$1,411.36	\$663.85	\$0.00	\$3,953.81	\$12,049.76

Before



During



After





Project: PRI Valley Drains - Horton Drive

Activity: Routine/ Preventive Maintenance

Project #: 2013-313

Township: Port Royal Island

Completed: February 2013



Cleaned out 1,078 LF of valley drain.

Cleaned out 1,078 LF of valley drain.

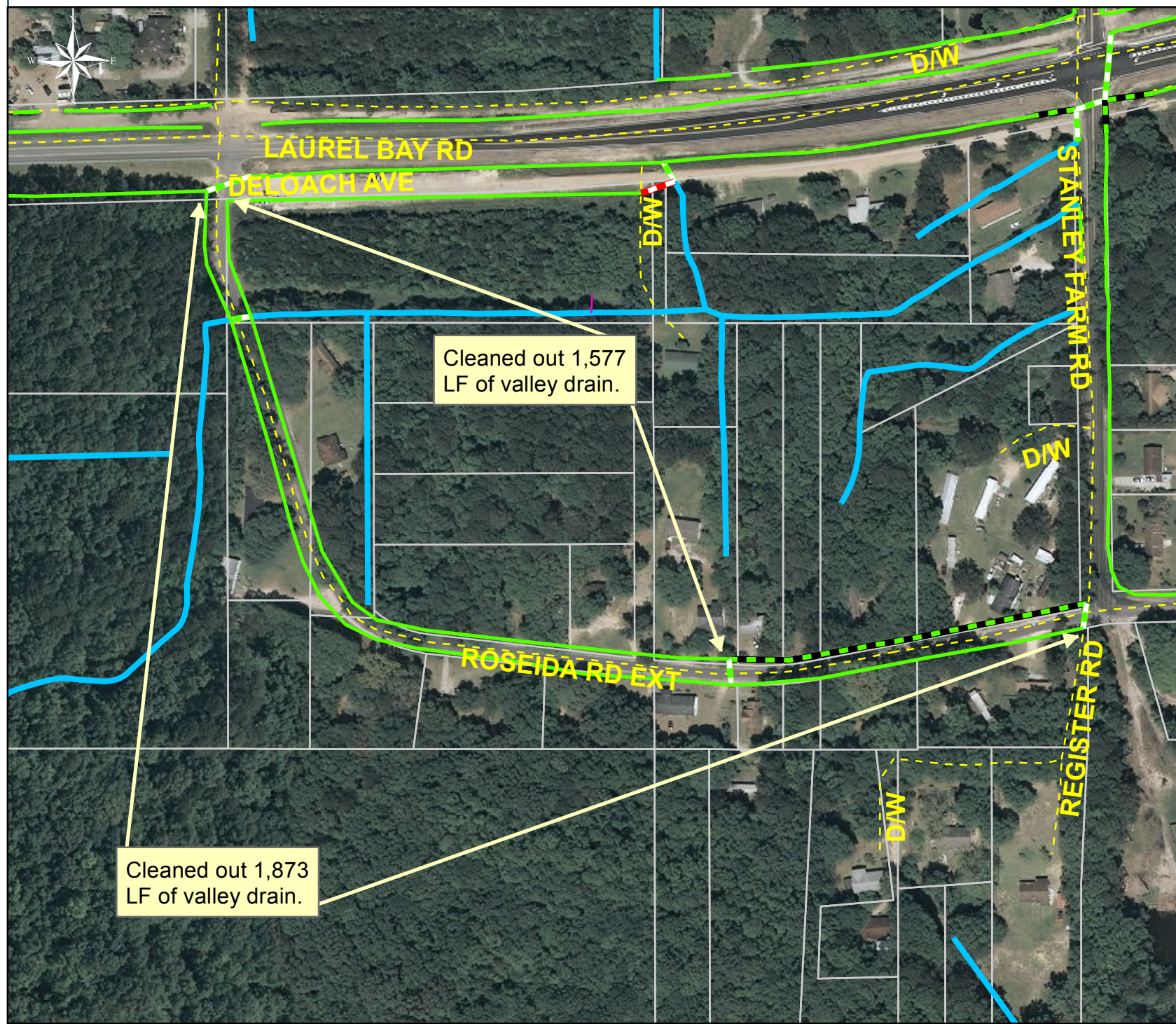
Legend

- Drainage Type**
- River
 - River/Creek/Marsh Bank
 - Creek/Stream
 - Channel (fka Outfall)
 - Channel Pipe
 - Roadside
 - Road Pipe
 - Roadside Pipe
 - Crossline Pipe
 - Driveway Pipe
 - Lateral
 - Lateral Pipe
 - Access Pipe
 - Bleeder Pipe
 - Parcels



1 inch = 167 feet

Prepared By: BC Stormwater Management Utility
Date Print: 3/20/13
File:C:/sethdata/projects/projectmaps/Horton Dr 2013-313



Project: PRI Valley Drains - Roseida Road Extension

Activity: Routine/ Preventive Maintenance

Project #: 2013-313

Township: Port Royal Island

Completed: February 2013

Legend

- Drainage Type**
- River
 - River/Creek/Marsh Bank
 - Creek/Stream
 - Channel (fka Outfall)
 - Channel Pipe
 - Roadside
 - Road Pipe
 - Roadside Pipe
 - Crossline Pipe
 - Driveway Pipe
 - Lateral
 - Lateral Pipe
 - Access Pipe
 - Bleeder Pipe
 - Parcels



1 inch = 208 feet



Project: PRI Valley Drains - Rivers Hill Road

Activity: Routine/ Preventive Maintenance

Project #: 2013-313

Township: Port Royal Island

Completed: February 2013

Legend

Drainage Type

- River
- River/Creek/Marsh Bank
- Creek/Stream
- Channel (fka Outfall)
- Channel Pipe
- Roadside
- Road Pipe
- Roadside Pipe
- Crossline Pipe
- Driveway Pipe
- Lateral
- Lateral Pipe
- Access Pipe
- Bleeder Pipe
- Parcels



1 inch = 126 feet

Prepared By: BC Stormwater Management Utility
 Date Print: 3/21/13
 File: C:/sethdata/projects/projectmaps/Rivers Hill Rd 2013-313



Project: PRI Valley Drains - Smith Road

Activity: Routine/ Preventive Maintenance

Project #: 2013-313

Township: Port Royal Island

Completed: February 2013



Legend

Drainage Type

- River
- River/Creek/Marsh Bank
- Creek/Stream
- Channel (fka Outfall)
- Channel Pipe
- Roadside
- Road Pipe
- Roadside Pipe
- Crossline Pipe
- Driveway Pipe
- Lateral
- Lateral Pipe
- Access Pipe
- Bleeder Pipe
- Parcels



1 inch = 81 feet

Project: PRI Valley
Drains - Moses
Road

Activity: Routine/
Preventive
Maintenance
















Project #:
2013-313

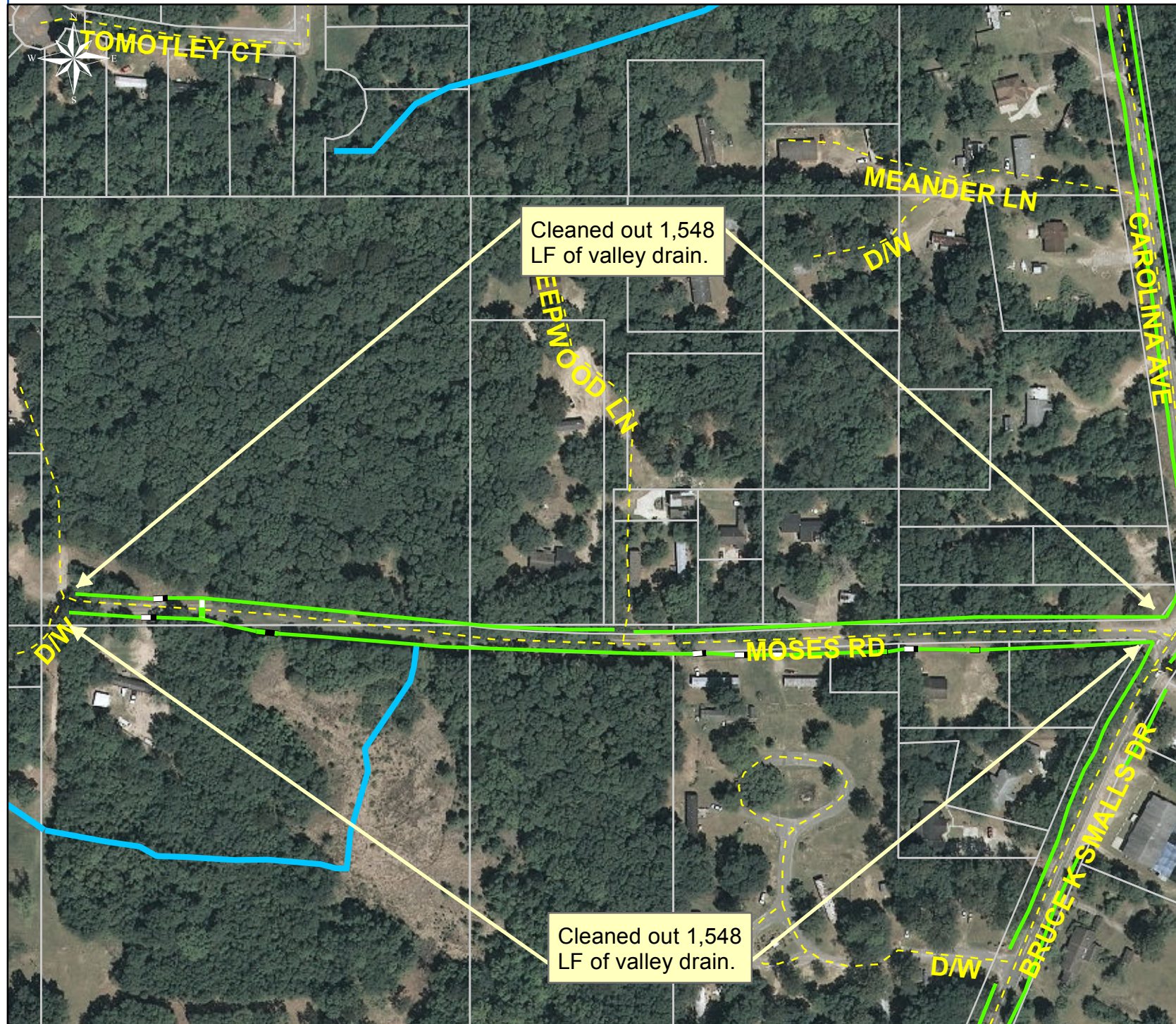
Township: Port
Royal Island

Completed:
February 2013

Legend

Drainage Type

-  River
-  River/Creek/Marsh Bank
-  Creek/Stream
-  Channel (fka Outfall)
-  Channel Pipe
-  Roadside
-  Road Pipe
-  Roadside Pipe
-  Crossline Pipe
-  Driveway Pipe
-  Lateral
-  Lateral Pipe
-  Access Pipe
-  Bleeder Pipe
-  Parcels



1 inch = 208 feet



Project: PRI Valley Drains - Mulrain Road

Activity: Routine/ Preventive Maintenance

Project #: 2013-313

Township: Port Royal Island

Completed: February 2013

Cleaned out 490 LF of valley drain.

Cleaned out 491 LF of valley drain.

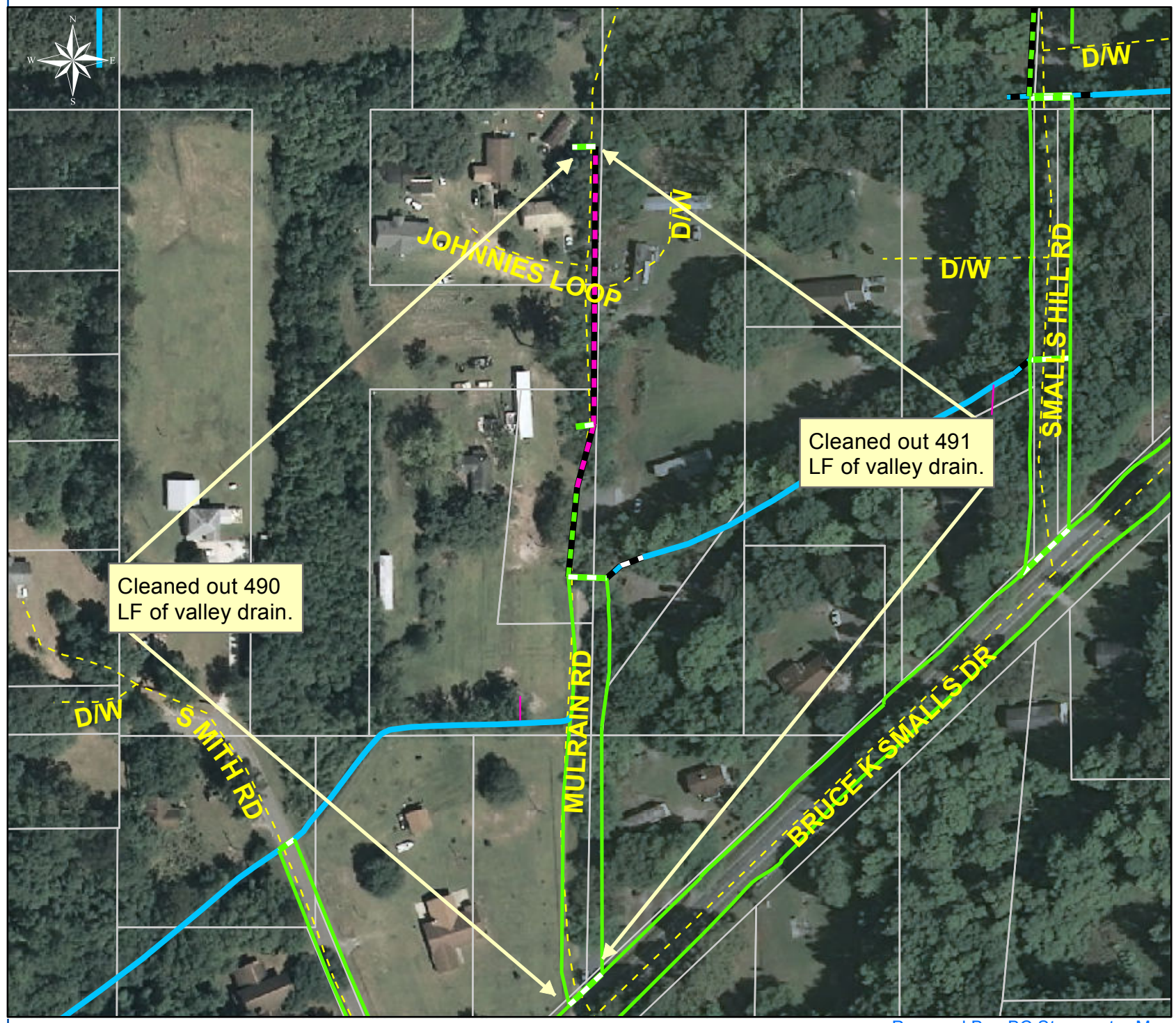
Legend

- Drainage Type**
- River
 - River/Creek/Marsh Bank
 - Creek/Stream
 - Channel (fka Outfall)
 - Channel Pipe
 - Roadside
 - Road Pipe
 - Roadside Pipe
 - Crossline Pipe
 - Driveway Pipe
 - Lateral
 - Lateral Pipe
 - Access Pipe
 - Bleeder Pipe
 - Parcels



1 inch = 141 feet

Prepared By: BC Stormwater Management Utility
Date Print: 3/21/13
File:C:/sethdata/projects/projectmaps/Mulrain Rd 2013-313





Project: PRI Valley Drains - Webb Road

Activity: Routine/ Preventive Maintenance

Project #: 2013-313

Township: Port Royal Island

Completed: February 2013



Cleared out 319 LF of valley drain.

Cleared out 318 LF of valley drain.

Legend

Drainage Type

- River
- River/Creek/Marsh Bank
- Creek/Stream
- Channel (fka Outfall)
- Channel Pipe
- Roadside
- Road Pipe
- Roadside Pipe
- Crossline Pipe
- Driveway Pipe
- Lateral
- Lateral Pipe
- Access Pipe
- Bleeder Pipe
- Parcels



1 inch = 77 feet

Project: PRI Valley Drains - Braden Road

Activity: Routine/ Preventive Maintenance

Project #: 2013-313

Township: Port Royal Island

Completed: February 2013

Legend

- Drainage Type**
- River
 - River/Creek/Marsh Bank
 - Creek/Stream
 - Channel (fka Outfall)
 - Channel Pipe
 - Roadside
 - Road Pipe
 - Roadside Pipe
 - Crossline Pipe
 - Driveway Pipe
 - Lateral
 - Lateral Pipe
 - Access Pipe
 - Bleeder Pipe
 - Parcels

Cleaned out 865 LF of valley drain.

Cleaned out 865 LF of valley drain.



1 inch = 125 feet



Project: PRI Valley Drains - Smalls Hill Road

Activity: Routine/ Preventive Maintenance

Project #: 2013-313

Township: Port Royal Island

Completed: February 2013

Cleaned out 369 LF of valley drain.

Cleaned out 369 LF of valley drain.

Legend

Drainage Type

- River
- River/Creek/Marsh Bank
- Creek/Stream
- Channel (fka Outfall)
- Channel Pipe
- Roadside
- Road Pipe
- Roadside Pipe
- Crossline Pipe
- Driveway Pipe
- Lateral
- Lateral Pipe
- Access Pipe
- Bleeder Pipe
- Parcels



1 inch = 105 feet

Prepared By: BC Stormwater Management Utility
Date Print: 3/21/13
File:C:/sethdata/projects/projectmaps/Smalls Hill Rd 2013-313



Project: PRI Valley Drains - Grant Street

Activity: Routine/ Preventive Maintenance

Project #: 2013-313

Township: Port Royal Island

Completed: February 2013



Legend

Drainage Type

- River
- River/Creek/Marsh Bank
- Creek/Stream
- Channel (fka Outfall)
- Channel Pipe
- Roadside
- Road Pipe
- Roadside Pipe
- Crossline Pipe
- Driveway Pipe
- Lateral
- Lateral Pipe
- Access Pipe
- Bleeder Pipe
- Parcels



1 inch = 178 feet

Prepared By: BC Stormwater Management Utility

Date Print: 3/21/13

File: C:/sethdata/projects/projectmaps/Grant St 2013-313

Project: PRI Valley Drains - Franklin Drive

Activity: Routine/ Preventive Maintenance

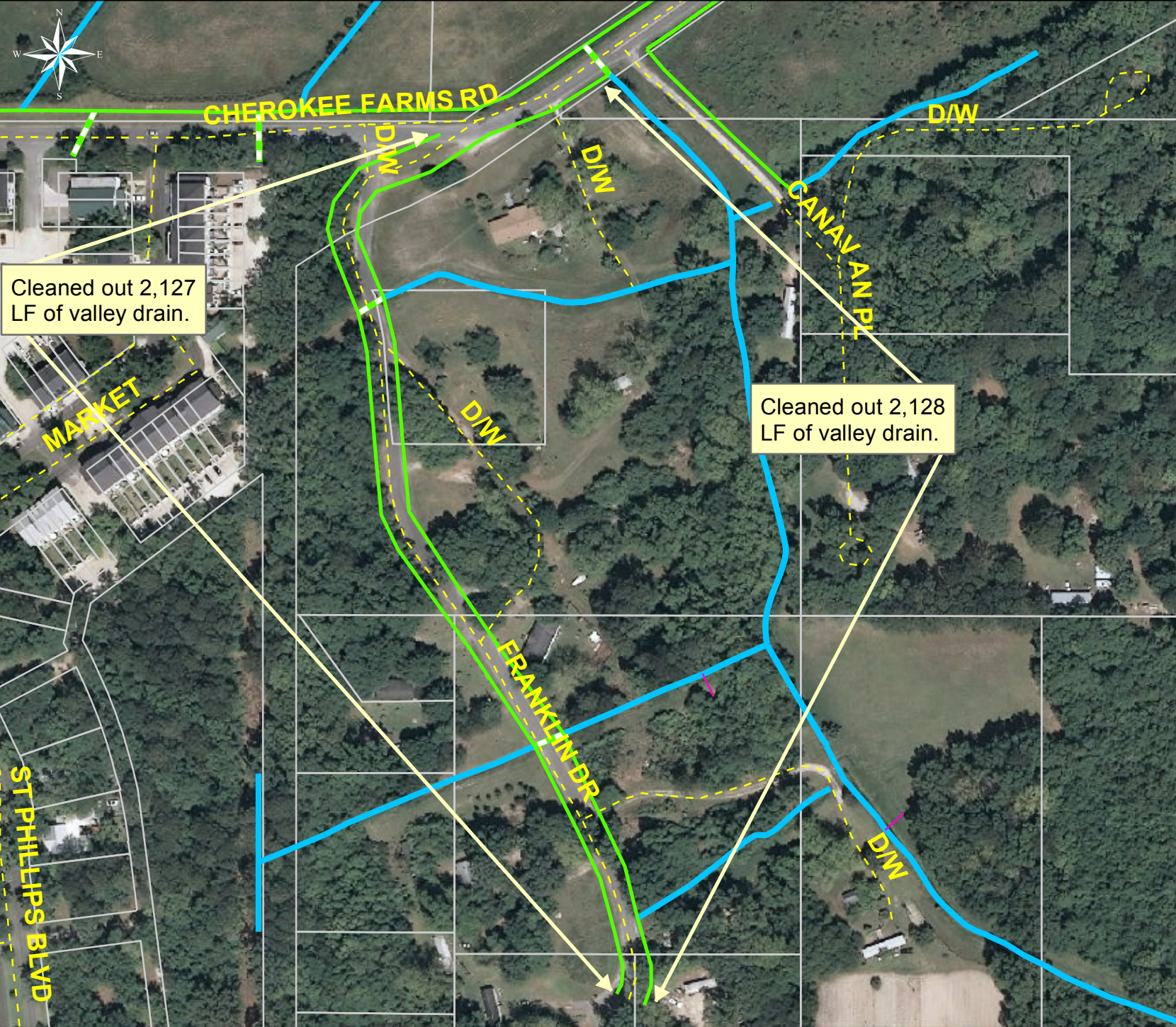
Project #: 2013-313

Township: Port Royal Island

Completed: February 2013

Legend

- Drainage Type**
- River
 - River/Creek/Marsh Bank
 - Creek/Stream
 - Channel (fka Outfall)
 - Channel Pipe
 - Roadside
 - Road Pipe
 - Roadside Pipe
 - Crossline Pipe
 - Driveway Pipe
 - Lateral
 - Lateral Pipe
 - Access Pipe
 - Bleeder Pipe
 - Parcels



1 inch = 180 feet



Cleaned out 1,500 LF of valley drain.

Cleaned out 1,500 LF of valley drain.

Project: PRI Valley Drains - Cherokee Farms Road

Activity: Routine/ Preventive Maintenance

Project #: 2013-313

Township: Port Royal Island

Completed: February 2013



Legend

- Drainage Type**
- River
 - River/Creek/Marsh Bank
 - Creek/Stream
 - Channel (fka Outfall)
 - Channel Pipe
 - Roadside
 - Roadside Pipe
 - Road Pipe
 - Crossline Pipe
 - Driveway Pipe
 - Lateral
 - Lateral Pipe
 - Access Pipe
 - Bleeder Pipe
 - Parcels



1 inch = 217 feet



Project: PRI Valley Drains - Donaldson Camp Road

Activity: Routine/ Preventive Maintenance

Project #: 2013-313

Township: Port Royal Island

Completed: February 2013

VANITA DR

Cleaned out 1,041 LF of valley drain.

MICAH LOOP

QUALLS LN

DONALDSON CAMP RD

Cleaned out 1,135 LF of valley drain.

BROAD RIVER BLVD

Legend

Drainage Type

- River
- River/Creek/Marsh Bank
- Creek/Stream
- Channel (fka Outfall)
- Channel Pipe
- Roadside
- Road Pipe
- Roadside Pipe
- Crossline Pipe
- Driveway Pipe
- Lateral
- Lateral Pipe
- Access Pipe
- Bleeder Pipe
- Parcels



1 inch = 155 feet

Prepared By: BC Stormwater Management Utility

Date Print: 5/31/13

File: C:\sethdata\projects\projectmaps\PRI Donaldson Camp Rd 2013-313