



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: St. Helena Island Vacuum Truck

Sea Island Parkway, Mattis Drive, Pineland Avenue, Tombee Road, Luther Warren Drive, Levant Byas Road, Cuffy Road, Hunters Grove Road, Cusabo Road, Harold Rivers Road and Lands End Road

Activity: Routine/Preventive Maintenance

Duration: 01/29/19-06/19/19

Narrative Description of Project:

Project improved 568 L.F. of drainage system. Cleaned out (26) catch basins. Jetted (11) driveway pipes, (13) crossline pipes, (4) access pipes, 408 L.F. of channel pipe and 160 L.F. of roadside pipe.

2019-309A / St. Helena Island Vacuum Truck

	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
APJT / Access pipe - jetted	10.0	\$222.80	\$191.60	\$21.41	\$0.00	\$143.40	\$579.21
AUDIT / Audit Project	2.0	\$43.58	\$0.00	\$0.00	\$0.00	\$0.00	\$43.58
CBCO / Catch basin - clean out	16.0	\$356.48	\$306.56	\$72.02	\$0.00	\$229.44	\$964.50
CLPJT / Crossline Pipe - Jetted	32.0	\$712.96	\$613.12	\$115.44	\$0.00	\$458.88	\$1,900.40
CPJ / Channel Pipe - Jetted	20.0	\$445.60	\$383.20	\$120.96	\$0.00	\$286.80	\$1,236.56
DPJT / Driveway Pipe - Jetted	24.0	\$534.72	\$459.84	\$98.75	\$0.00	\$344.16	\$1,437.47
SD / Soft Digging	8.0	\$178.24	\$153.28	\$30.94	\$0.00	\$114.72	\$477.18
WSL / Workshelf - Level	20.0	\$445.60	\$86.80	\$98.30	\$0.00	\$286.80	\$917.50
2019-309A / St. Helena Island Vacuum Truck Sub Total	132.0	\$2,939.98	\$2,194.40	\$557.82	\$0.00	\$1,864.20	\$7,556.40
Grand Total	132.0	\$2,939.98	\$2,194.40	\$557.82	\$0.00	\$1,864.20	\$7,556.40

Before

During

After





Project: St. Helena
Island Vacuum
Truck - Sea Island
Parkway Map #1

Activity: Routine/
Preventive
Maintenance

Project #:
2019-309A

Township/SW Dist:
St. Helena Island/8

Completed:
June 2019

Legend

Drainage Type

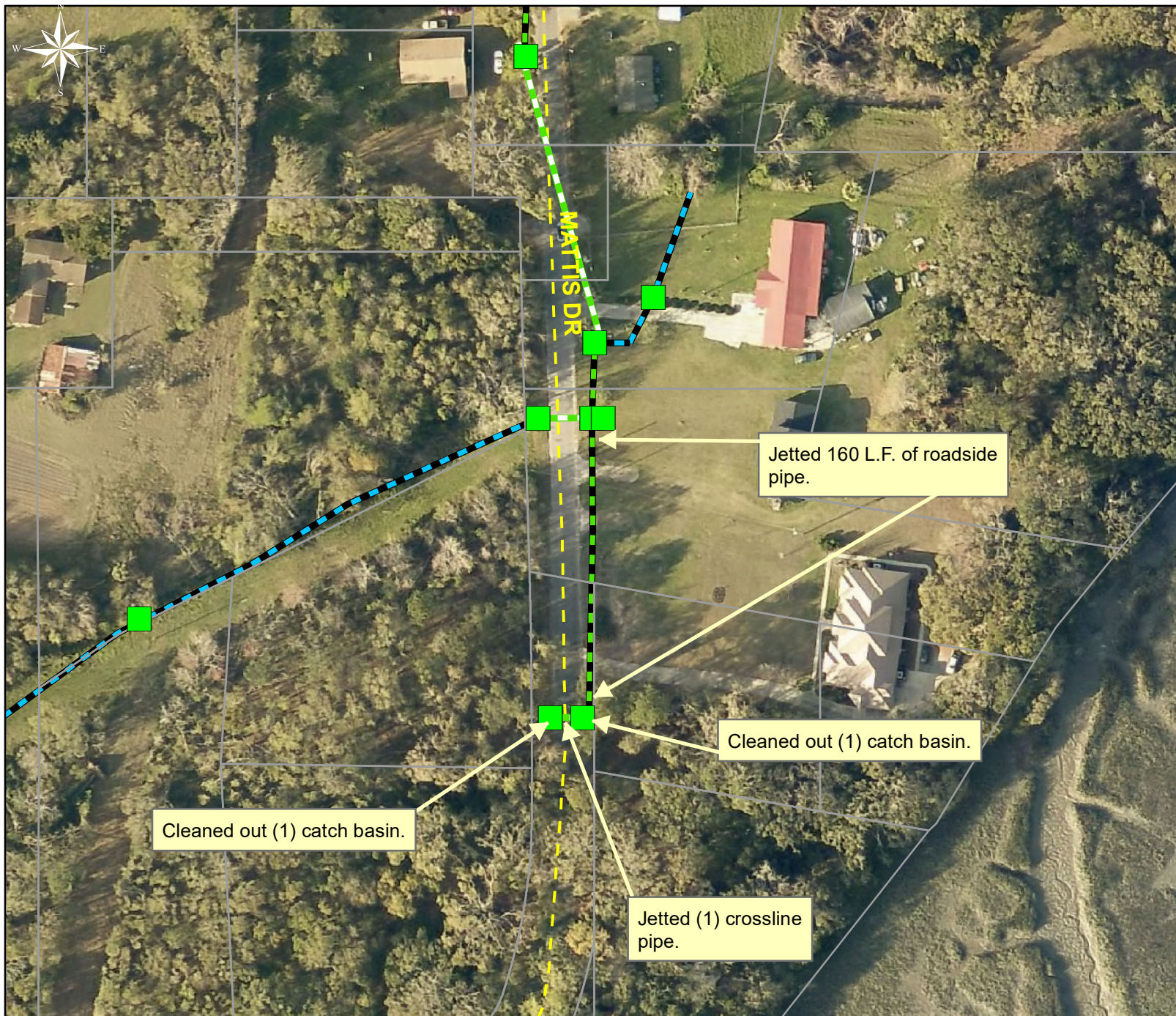
- Access Pipe
- Bleeder Pipe
- Channel Pipe
- Channel
- Stream
- Crossline Pipe
- Driveway Pipe
- Lateral
- Lateral Pipe
- River
- Road Pipe
- Roadside
- Roadside Pipe

0 50 100 200 300 400
Feet

1 inch = 210 feet

Prepared By: BC Stormwater Management Utility
Date Print: 09/30/19

File: C:\project summaries map\SHI Vac Truck - Sea Island Parkway Map #1_2019-309A



Project: St. Helena
Island Vacuum
Truck - Mattis
Drive Map #2

Activity: Routine/
Preventive
Maintenance














Project #:
2019-309A

Township/SW Dist:
St. Helena Island/8

Completed:
June 2019

Legend

Drainage Type

-  Access Pipe
-  Bleeder Pipe
-  Channel Pipe
-  Channel
-  Stream
-  Crossline Pipe
-  Driveway Pipe
-  Lateral
-  Lateral Pipe
-  River
-  Road Pipe
-  Roadside
-  Roadside Pipe

A horizontal number line representing distance in feet. The line has major tick marks at 0, 25, 50, 100, 150, and 200. A blue bar is drawn from the 100-foot mark to the 150-foot mark.

1 inch = 100 feet

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Date Print:09/30/19

File:C:\project summaries map\SHI Vac Truck - Mattis Drive Map #2_2019-309A



Project: St. Helena
Island Vacuum
Truck - Mattis
Drive Map #3

Activity: Routine/
Preventive
Maintenance

Project #:
2019-309A

Township/SW Dist:
St. Helena Island/8

Completed:
June 2019

Legend

Drainage Type

- Access Pipe
- Bleeder Pipe
- Channel Pipe
- Channel
- Stream
- Crossline Pipe
- Driveway Pipe
- Lateral
- Lateral Pipe
- River
- Road Pipe
- Roadside
- Roadside Pipe

0 10 20 40 60 80
Feet

1 inch = 50 feet

Prepared By: BC Stormwater Management Utility
Date Print: 09/30/19

File: C:\project summaries map\SHI Vac Truck - Mattis Drive Map #3_2019-309A



Project: St. Helena
Island Vacuum
Truck - Mattis
Drive Map #4

Activity: Routine/
Preventive
Maintenance

Project #:
2019-309A

Township/SW Dist:
St. Helena Island/8

Completed:
June 2019

Legend

Drainage Type

- Access Pipe
- Bleeder Pipe
- Channel Pipe
- Channel
- Stream
- Crossline Pipe
- Driveway Pipe
- Lateral
- Lateral Pipe
- River
- Road Pipe
- Roadside
- Roadside Pipe

0 15 30 60 90 120
Feet

1 inch = 67 feet

Prepared By: BC Stormwater Management Utility
Date Print: 09/30/19

File: C:\project summaries map\SHI Vac Truck - Mattis Drive Map #4_2019-309A



Project: St. Helena
Island Vacuum
Truck - Pineland
Avenue Map #5

Activity: Routine/
Preventive
Maintenance

Project #:
2019-309A

Township/SW Dist:
St. Helena Island/8

Completed:
June 2019

Legend

Drainage Type

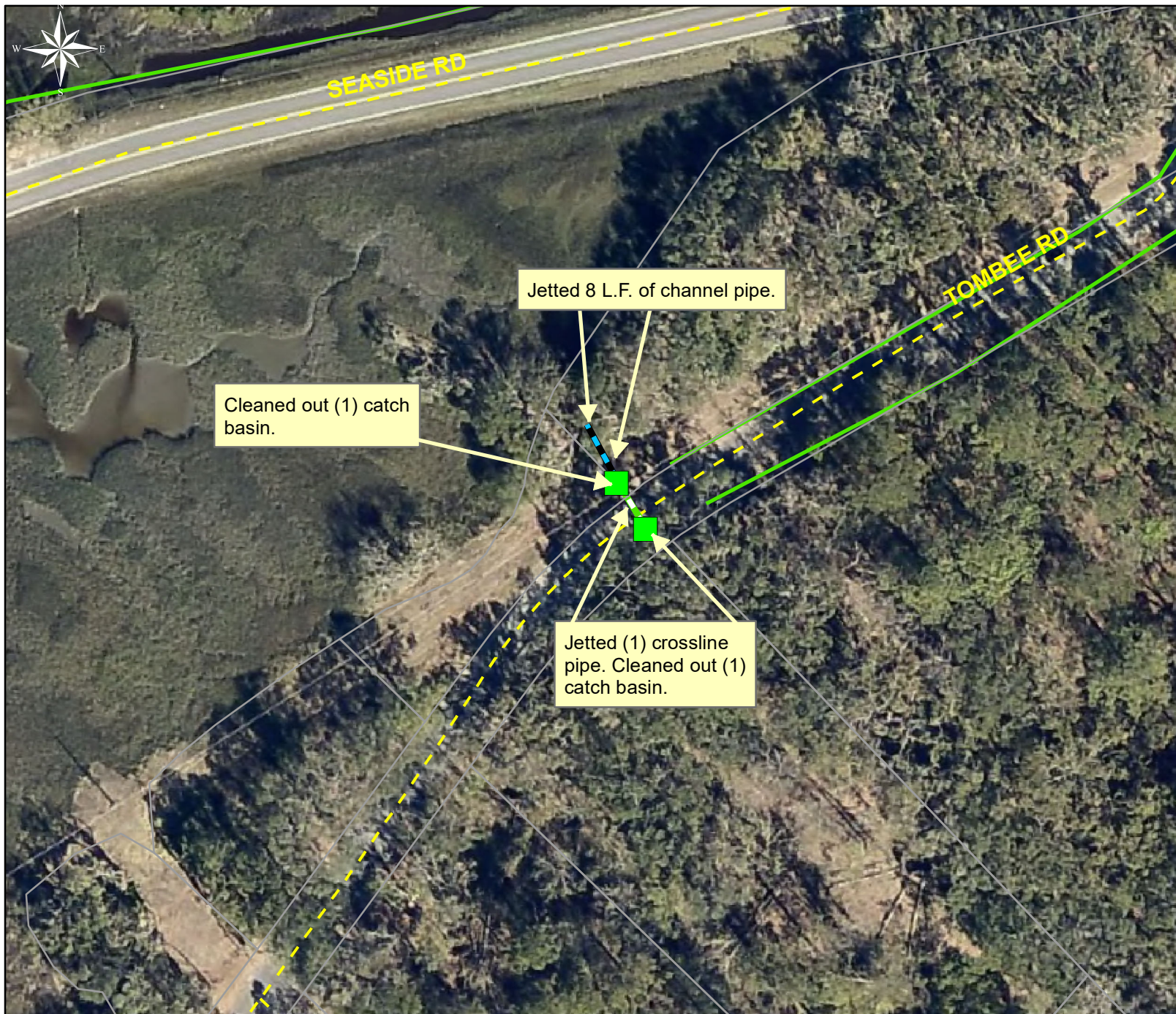
- Access Pipe
- Bleeder Pipe
- Channel Pipe
- Channel
- Stream
- Crossline Pipe
- Driveway Pipe
- Lateral
- Lateral Pipe
- River
- Road Pipe
- Roadside
- Roadside Pipe

0 50 100 200 300 400
Feet

1 inch = 210 feet

Prepared By: BC Stormwater Management Utility
Date Print: 09/30/19

File: C:\project summaries map\SHI Vac Truck - Pineland Avenue Map #5_2019-309A



Project: St. Helena
Island Vacuum
Truck - Tombee
Road Map #6

Activity: Routine/
Preventive
Maintenance

Project #:
2019-309A

Township/SW Dist:
St. Helena Island/8

Completed:
June 2019

0 15 30 60 90 120
Feet

1 inch = 67 feet

Prepared By: BC Stormwater Management Utility
Date Print: 09/30/19
File: C:\project summaries map\SHI Vac Truck - Tombee Road Map #6_2019-309A



Project: St. Helena
Island Vacuum
Truck - Tombee
Road Map #7

Activity: Routine/
Preventive
Maintenance

Project #:
2019-309A

Township/SW Dist:
St. Helena Island/8

Completed:
June 2019

Legend

Drainage Type

- Access Pipe
- Bleeder Pipe
- Channel Pipe
- Channel
- Stream
- Crossline Pipe
- Driveway Pipe
- Lateral
- Lateral Pipe
- River
- Road Pipe
- Roadside
- Roadside Pipe

0 10 20 40 60 80
Feet

1 inch = 50 feet

Prepared By: BC Stormwater Management Utility
Date Print: 09/30/19
File: C:\project summaries map\SHI Vac Truck - Tombee Road Map #7_2019-309A



Project: St. Helena
Island Vacuum
Truck - Tombee
Road Map #8

Activity: Routine/
Preventive
Maintenance














Project #:
2019-309A

Township/SW Dist:
St. Helena Island/8

Completed:
June 2019

Legend

Drainage Type

-  Access Pipe
-  Bleeder Pipe
-  Channel Pipe
-  Channel
-  Stream
-  Crossline Pipe
-  Driveway Pipe
-  Lateral
-  Lateral Pipe
-  River
-  Road Pipe
-  Roadside
-  Roadside Pipe

0 10 20 40 60 80
Feet

1 inch = 42 feet

Prepared By: BC Stormwater Management Utility

Date Print: 09/30/19

File: C:\project summaries map\SHI Vac Truck - Tombee Road Map #8_2019-309A



Project: St. Helena
Island Vacuum
Truck - Luther
Warren Drive
Map #9

Activity: Routine/
Preventive
Maintenance














Project #:
2019-309A

Township/SW Dist:
St. Helena Island/8

Completed:
June 2019

Legend

Drainage Type

-  Access Pipe
-  Bleeder Pipe
-  Channel Pipe
-  Channel
-  Stream
-  Crossline Pipe
-  Driveway Pipe
-  Lateral
-  Lateral Pipe
-  River
-  Road Pipe
-  Roadside
-  Roadside Pipe

0 25 50 100 150 200
Feet

1 inch = 100 feet

Prepared By: BC Stormwater Management Utility
Date Print:09/30/19

File:C:\project summaries map\SHI Vac Truck - Luther Warren Drive Map #9_2019-309A



Project: St. Helena
Island Vacuum
Truck - Luther
Warren Drive
Map #10

Activity: Routine/
Preventive
Maintenance

Project #:
2019-309A

Township/SW Dist:
St. Helena Island/8

Completed:
June 2019

Legend

Drainage Type

- Access Pipe
- Bleeder Pipe
- Channel Pipe
- Channel
- Stream
- Crossline Pipe
- Driveway Pipe
- Lateral
- Lateral Pipe
- River
- Road Pipe
- Roadside
- Roadside Pipe

0 10 20 40 60 80
Feet

1 inch = 50 feet

Prepared By: BC Stormwater Management Utility

Date Print:09/30/19

File:C:\project summaries map\SHI Vac Truck - Luther Warren Drive Map #10_2019-309A



Project: St. Helena
Island Vacuum
Truck - Luther
Warren Drive
Map #11

Activity: Routine/
Preventive
Maintenance

Project #:
2019-309A

Township/SW Dist:
St. Helena Island/8

Completed:
June 2019

Legend

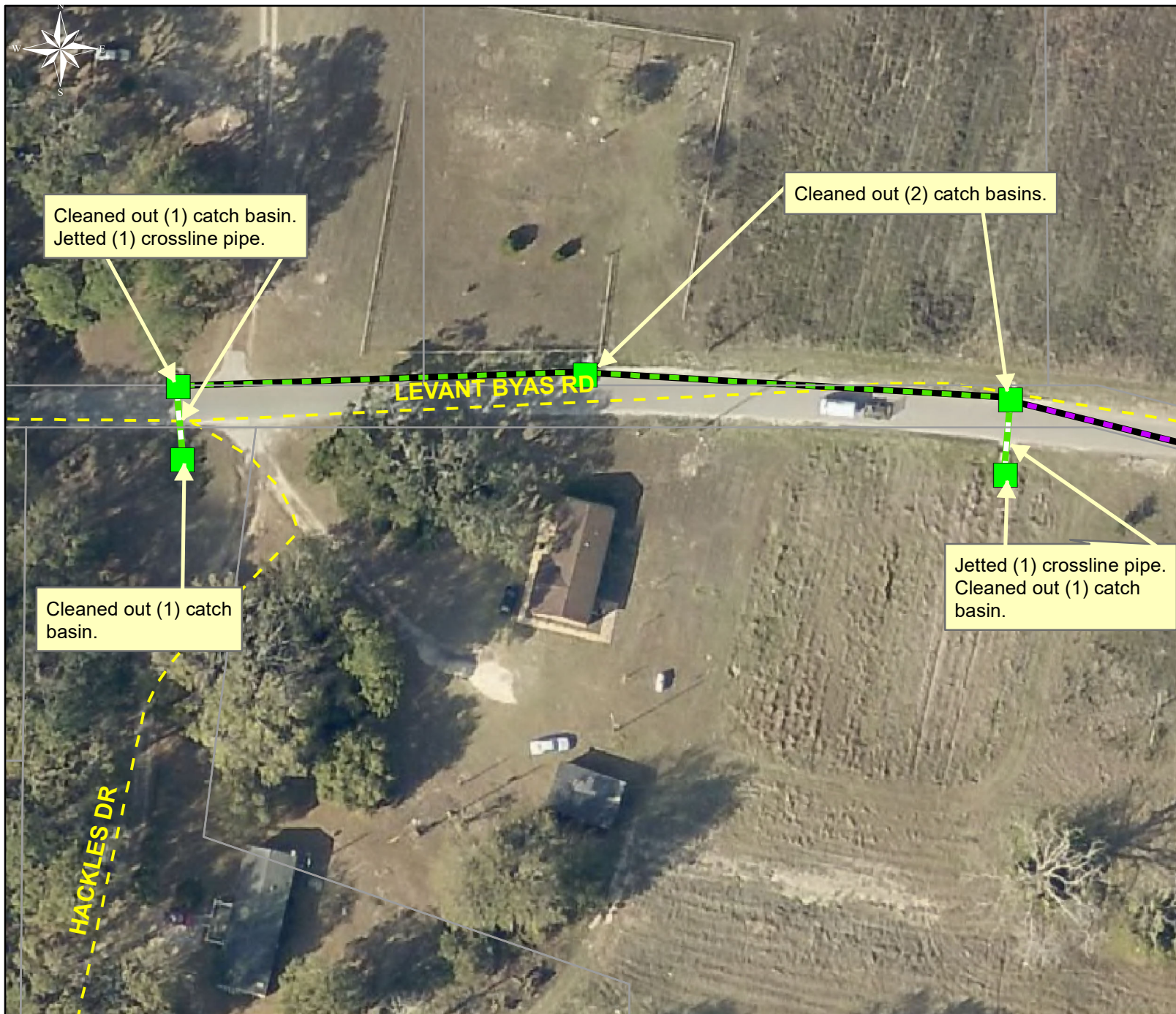
Drainage Type

- Access Pipe
- Bleeder Pipe
- Channel Pipe
- Channel
- Stream
- Crossline Pipe
- Driveway Pipe
- Lateral
- Lateral Pipe
- River
- Road Pipe
- Roadside
- Roadside Pipe

Prepared By: BC Stormwater Management Utility

Date Print:09/30/19

File:C:\project summaries map/SHI Vac Truck - Luther Warren Drive Map #11_2019-309A



Project: St. Helena
Island Vacuum
Truck - Levant
Byas Road
Map #12

Activity: Routine/
Preventive
Maintenance

Project #:
2019-309A

Township/SW Dist:
St. Helena Island/8

Completed:
June 2019

Legend

Drainage Type

- Access Pipe
- Bleeder Pipe
- Channel Pipe
- Channel
- Stream
- Crossline Pipe
- Driveway Pipe
- Lateral
- Lateral Pipe
- River
- Road Pipe
- Roadside
- Roadside Pipe

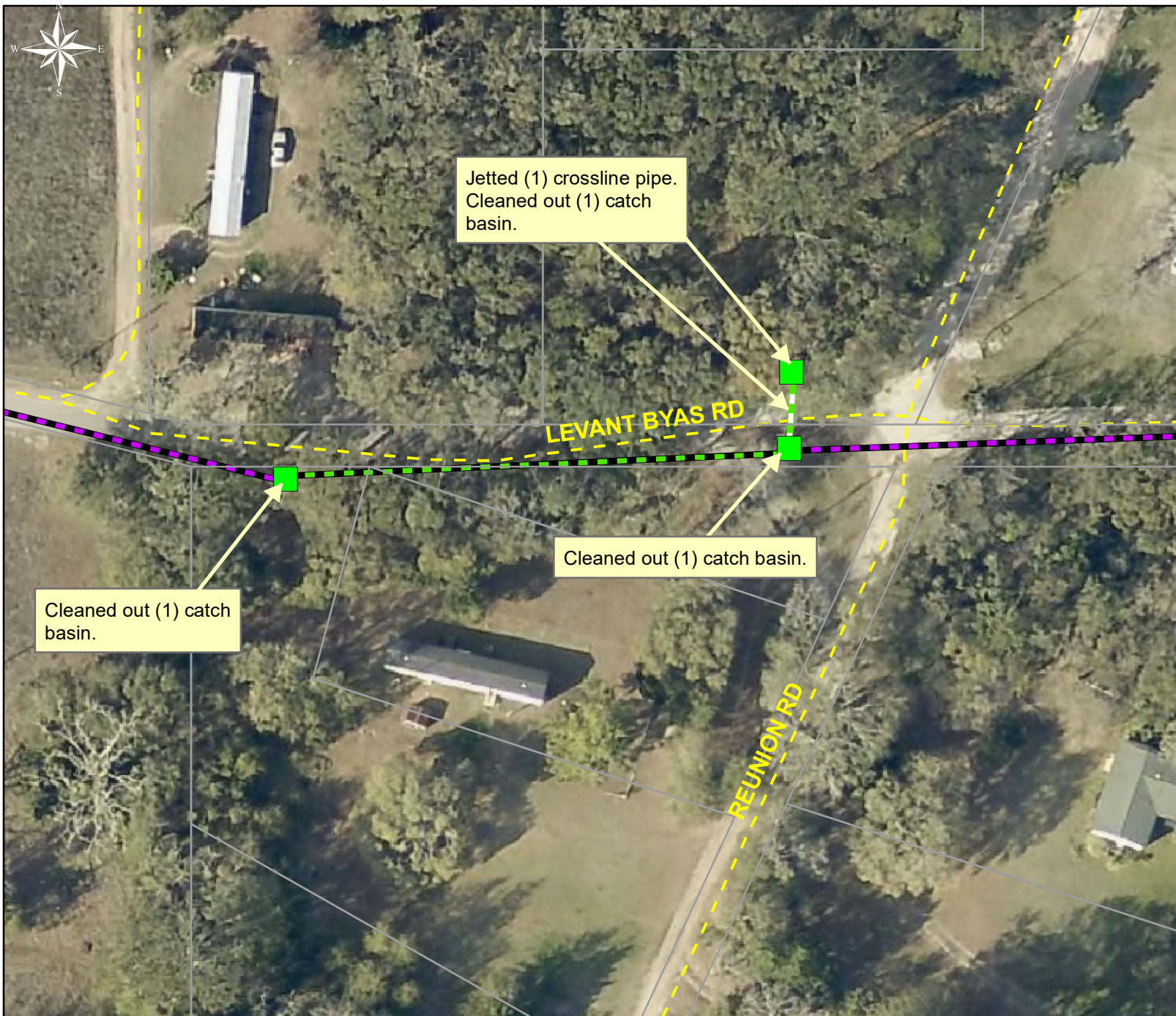
0 15 30 60 90 120
Feet

1 inch = 67 feet

Prepared By: BC Stormwater Management Utility

Date Print: 09/30/19

File: C:\project summaries map\SHI Vac Truck - Levant Byas Road Map #12_2019-309A



Project: St. Helena
Island Vacuum
Truck - Levant
Byas Road
Map #13

Activity: Routine/
Preventive
Maintenance

Project #:
2019-309A

Township/SW Dist:
St. Helena Island/8

Completed:
June 2019

Legend

Drainage Type

- Access Pipe
- Bleeder Pipe
- Channel Pipe
- Channel
- Stream
- Crossline Pipe
- Driveway Pipe
- Lateral
- Lateral Pipe
- River
- Road Pipe
- Roadside
- Roadside Pipe

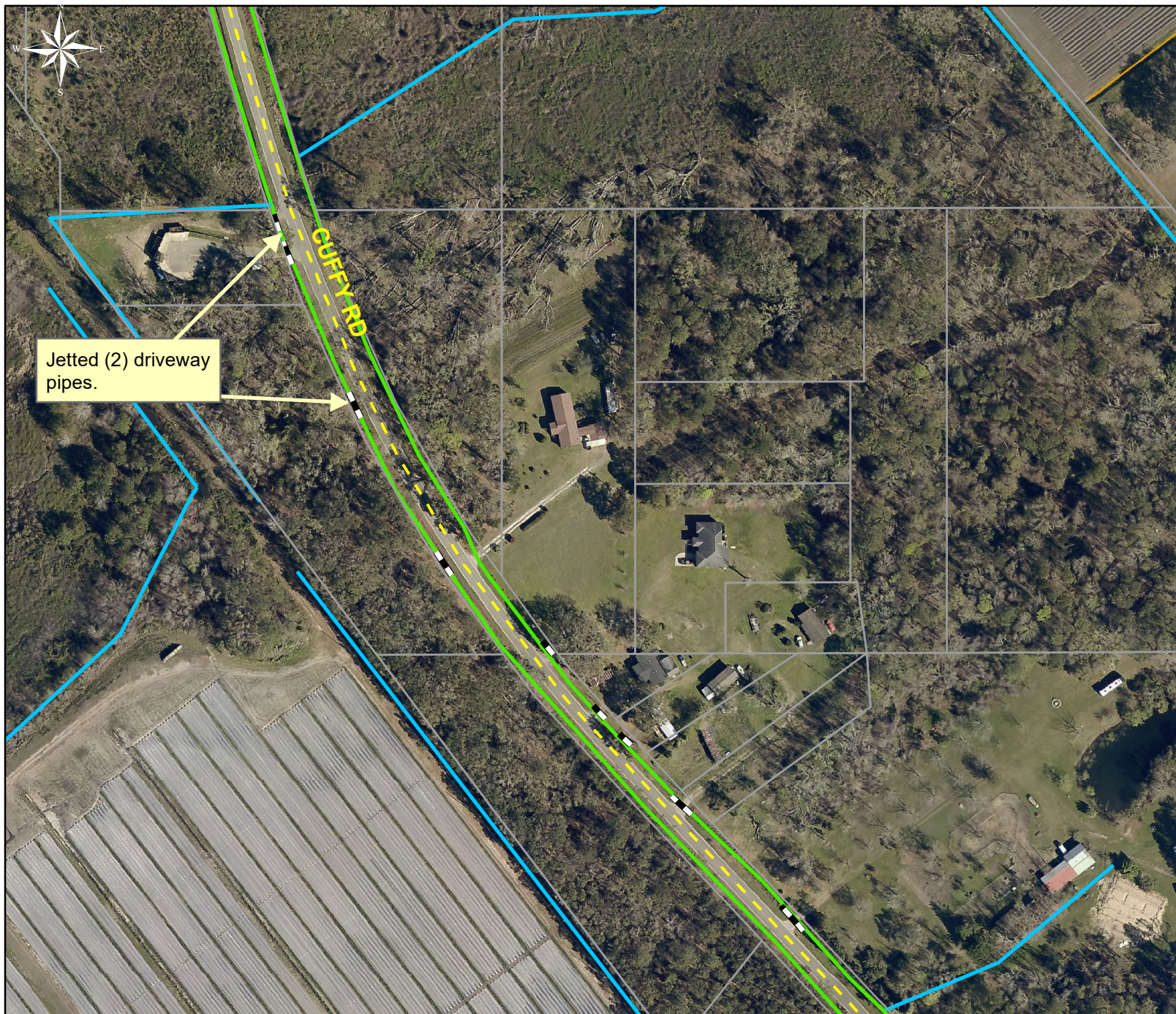
0 15 30 60 90 120
Feet

1 inch = 67 feet

Prepared By: BC Stormwater Management Utility

Date Print: 09/30/19

File: C:\project summaries map\SHI Vac Truck - Levant Byas Road Map #13_2019-309A



Project: St. Helena
Island Vacuum
Truck - Cuffy
Road Map #14

Activity: Routine/
Preventive
Maintenance














Project #:
2019-309A

Township/SW Dist:
St. Helena Island/8

Completed:
June 2019

Legend

Drainage Type

-  Access Pipe
-  Bleeder Pipe
-  Channel Pipe
-  Channel
-  Stream
-  Crossline Pipe
-  Driveway Pipe
-  Lateral
-  Lateral Pipe
-  River
-  Road Pipe
-  Roadside
-  Roadside Pipe

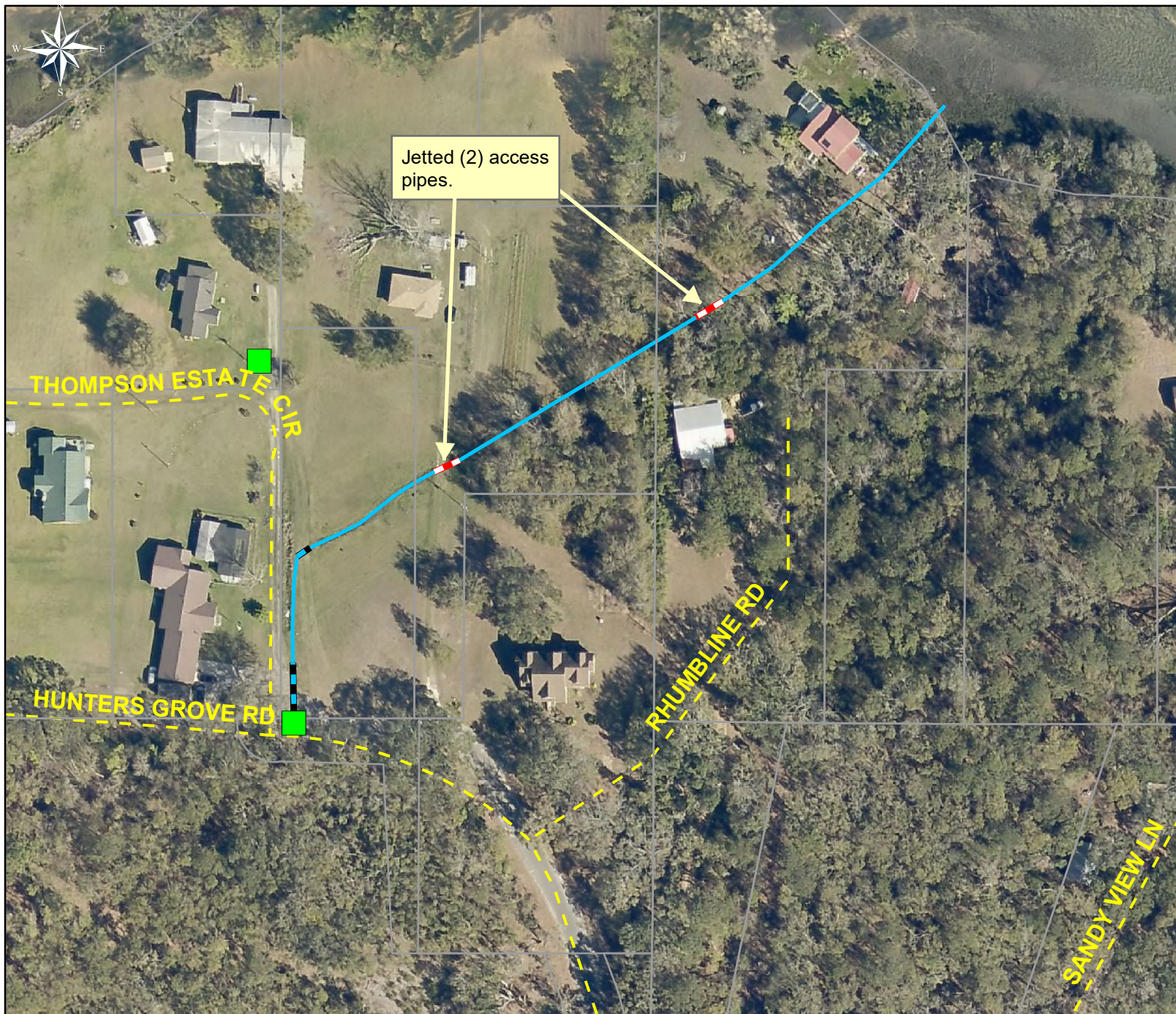
0 50 100 200 300 400
Feet

1 inch = 210 feet

Prepared By: BC Stormwater Management Utility

Date Print: 09/30/19

File: C:\project summaries map\SHI Vac Truck - Cuffy Road Map #14_2019-309A



Project: St. Helena
Island Vacuum
Truck - Hunters
Grove Road Map
#15

Activity: Routine/
Preventive
Maintenance

Project #:
2019-309A

Township/SW Dist:
St. Helena Island/8

Completed:
June 2019

Legend

Drainage Type

- Access Pipe
- Bleeder Pipe
- Channel Pipe
- Channel
- Stream
- Crossline Pipe
- Driveway Pipe
- Lateral
- Lateral Pipe
- River
- Road Pipe
- Roadside
- Roadside Pipe

0 30 60 120 180 240
Feet

1 inch = 130 feet

Prepared By: BC Stormwater Management Utility

Date Print: 09/30/19

File: C:\project summaries map\SHI Vac Truck - Hunters Grove Road Map #15_2019-309A



Project: St. Helena
Island Vacuum
Truck - Cusabo Road
Map #16

Activity: Routine/
Preventive
Maintenance

Project #:
2019-309A

Township/SW Dist:
St. Helena Island/8

Completed:
June 2019

Legend

Drainage Type

- Access Pipe
- Bleeder Pipe
- Channel Pipe
- Channel
- Stream
- Crossline Pipe
- Driveway Pipe
- Lateral
- Lateral Pipe
- River
- Road Pipe
- Roadside
- Roadside Pipe

0 20 40 80 120 160
Feet

1 inch = 83 feet

Prepared By: BC Stormwater Management Utility
Date Print: 09/30/19

File: C:\project summaries map\SHI Vac Truck - Cusabo Road Map #16_2019-309A



Project: St. Helena
Island Vacuum
Truck - Harold
Rivers Road
Map #17

Activity: Routine/
Preventive
Maintenance

Project #:
2019-309A

Township/SW Dist:
St. Helena Island/8

Completed:
June 2019

Legend

Drainage Type

- Access Pipe
- Bleeder Pipe
- Channel Pipe
- Channel
- Stream
- Crossline Pipe
- Driveway Pipe
- Lateral
- Lateral Pipe
- River
- Road Pipe
- Roadside
- Roadside Pipe

Prepared By: BC Stormwater Management Utility

Date Print: 10/01/19

File: C:\project summaries map\SHI Vac Truck - Harold Rivers Road Map #17_2019-309A



Project: St. Helena
Island Vacuum
Truck - Harold
Rivers Road
Map #18

Activity: Routine/
Preventive
Maintenance

Project #:
2019-309A

Township/SW Dist:
St. Helena Island/8

Completed:
June 2019

Legend

Drainage Type

- Access Pipe
- Bleeder Pipe
- Channel Pipe
- Channel
- Stream
- Crossline Pipe
- Driveway Pipe
- Lateral
- Lateral Pipe
- River
- Road Pipe
- Roadside
- Roadside Pipe

0 20 40 80 120 160
Feet

1 inch = 83 feet

Prepared By: BC Stormwater Management Utility

Date Print: 10/01/19

File: C:\project summaries map\SHI Vac Truck - Harold Rivers Road Map #18_2019-309A



Project: St. Helena
Island Vacuum
Truck - Lands
End Road
Map #19

Activity: Routine/
Preventive
Maintenance

Project #:
2019-309A

Township/SW Dist:
St. Helena Island/8

Completed:
June 2019

Legend

Drainage Type

- Access Pipe
- Bleeder Pipe
- Channel Pipe
- Channel
- Stream
- Crossline Pipe
- Driveway Pipe
- Lateral
- Lateral Pipe
- River
- Road Pipe
- Roadside
- Roadside Pipe

0 40 80 160 240 320
Feet

1 inch = 170 feet

Prepared By: BC Stormwater Management Utility

Date Print: 10/01/19

File: C:\project summaries map\SHI Vac Truck - Lands Ends Road Map #19_2019-309A