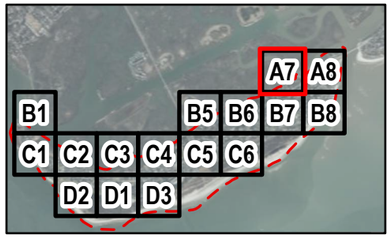
Town of Sullivan's Island, SC

Island-Wide Stormwater Master Plan and Infrastructure Improvement Strategy

Proposed Conditions Flood Analysis
Rainfall: Future 100-Year (11.44") SC Long
Tidal Conditions: Typical Tide with SLR (5.65 ft NAVD88)

Appendix D.15	Sector A7	Page 1 of 16



NOTES:

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5. See project recommendations for details regarding proposed improvements.
6. **Appendices D.9-D.16** assume a future land cover condition (see full report for details).

Legend

- Study Boundary
- Roadway
- Proposed Tide Gate
- Proposed Pump Station
- Existing Stormwater Infrastructure
- Proposed Stormwater Infrastructure

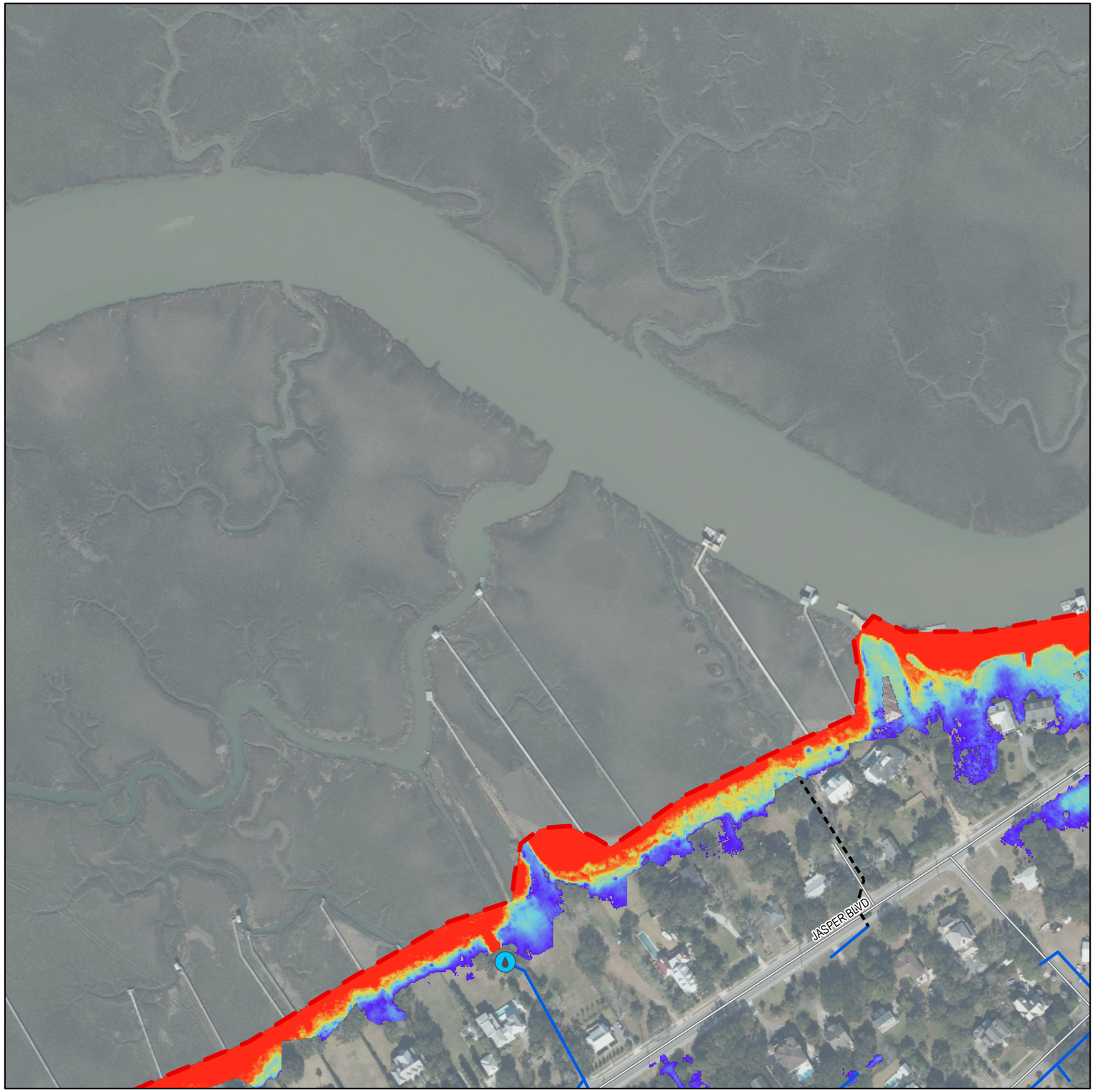
Maximum Flood Depth

> 3.00 ft

0.10 ft

N W E S

0 200 400 800 Feet

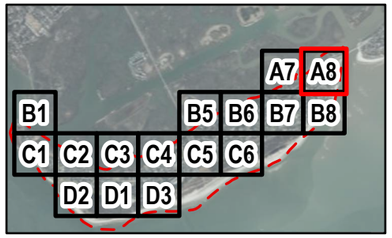


Town of Sullivan's Island, SC

Island-Wide Stormwater Master Plan and Infrastructure Improvement Strategy

Proposed Conditions Flood Analysis
Rainfall: Future 100-Year (11.44") SC Long
Tidal Conditions: Typical Tide with SLR (5.65 ft NAVD88)

Appendix D.15	Sector A8	Page 2 of 16



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Legend

- Study Boundary
- Roadway
- Proposed Tide Gate
- Proposed Pump Station
- Existing Stormwater Infrastructure
- Proposed Stormwater Infrastructure

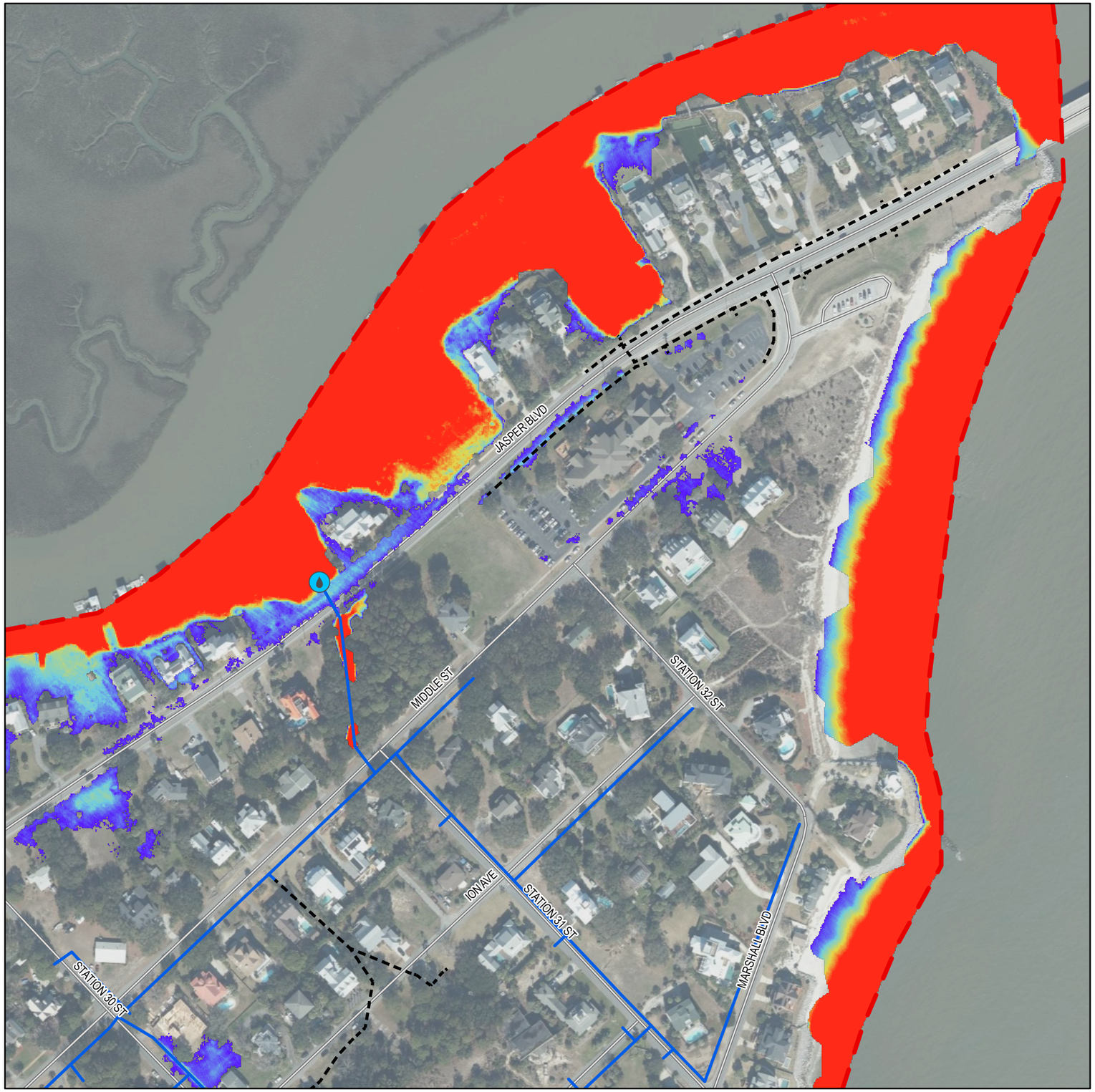
Maximum Flood Depth

> 3.00 ft

0.10 ft

N W E S

0 200 400 800 Feet

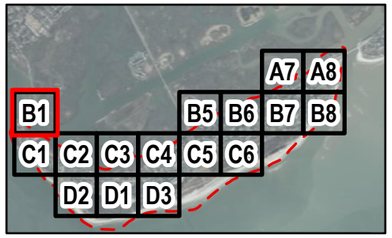


Town of Sullivan's Island, SC

Island-Wide Stormwater Master Plan and Infrastructure Improvement Strategy

Proposed Conditions Flood Analysis
Rainfall: Future 100-Year (11.44") SC Long
Tidal Conditions: Typical Tide with SLR (5.65 ft NAVD88)

Appendix D.15	Sector B1	Page 3 of 16



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6. **Appendices D.9-D.16** assume a future land cover condition (see full report for details).

Legend

- Study Boundary
- Roadway
- Proposed Tide Gate
- Proposed Pump Station
- Existing Stormwater Infrastructure
- Proposed Stormwater Infrastructure

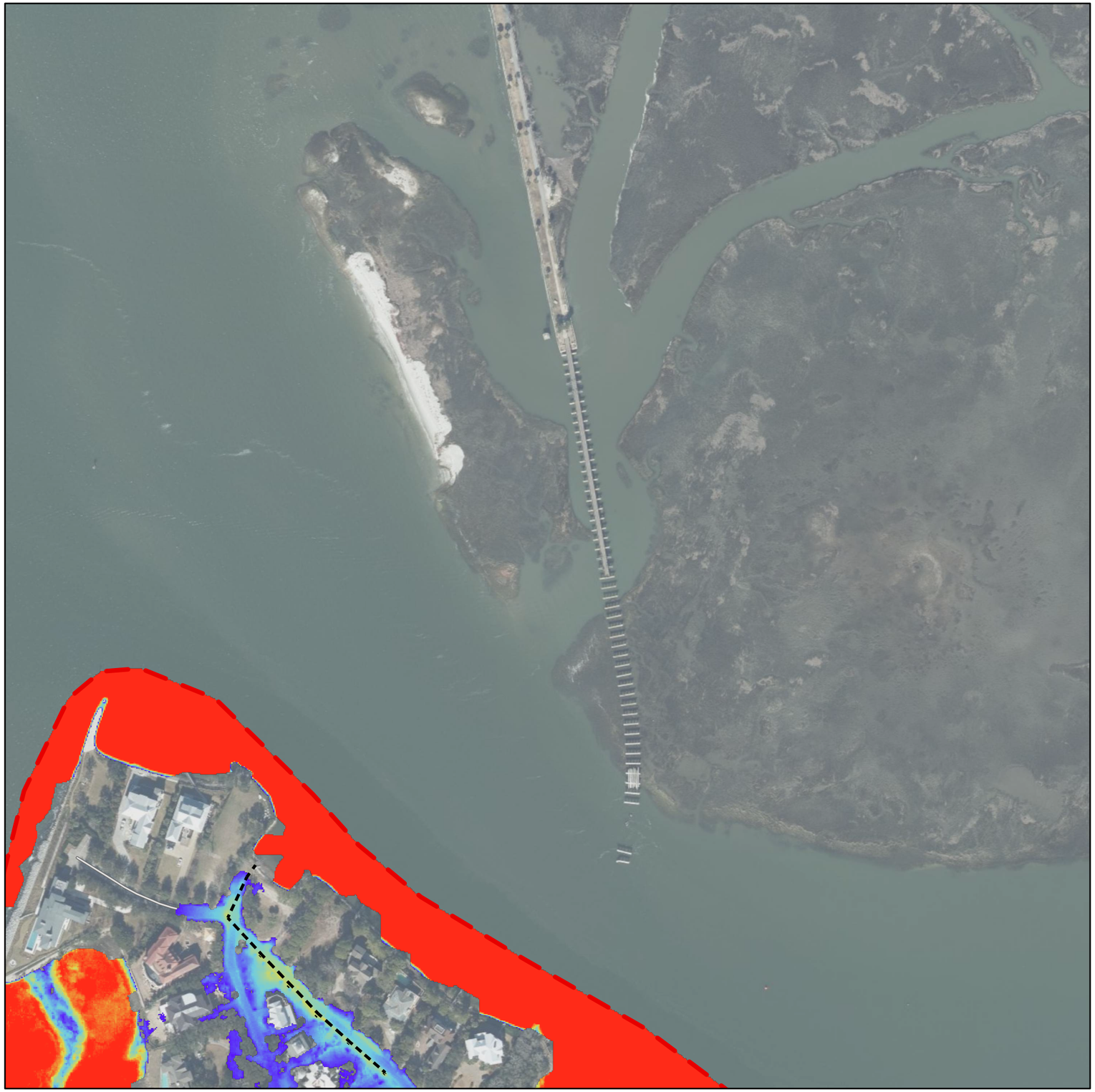
Maximum Flood Depth

> 3.00 ft

0.10 ft

N
W
E
S

0 200 400 800 Feet

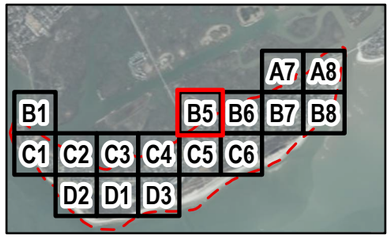


Town of Sullivan's Island, SC

Island-Wide Stormwater Master Plan and Infrastructure Improvement Strategy

Proposed Conditions Flood Analysis
Rainfall: Future 100-Year (11.44") SC Long
Tidal Conditions: Typical Tide with SLR (5.65 ft NAVD88)

Appendix D.15	Sector B5	Page 4 of 16



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6. **Appendices D.9-D.16** assume a future land cover condition (see full report for details).

Legend

- Study Boundary
- Roadway
- Proposed Tide Gate
- Proposed Pump Station
- Existing Stormwater Infrastructure
- Proposed Stormwater Infrastructure

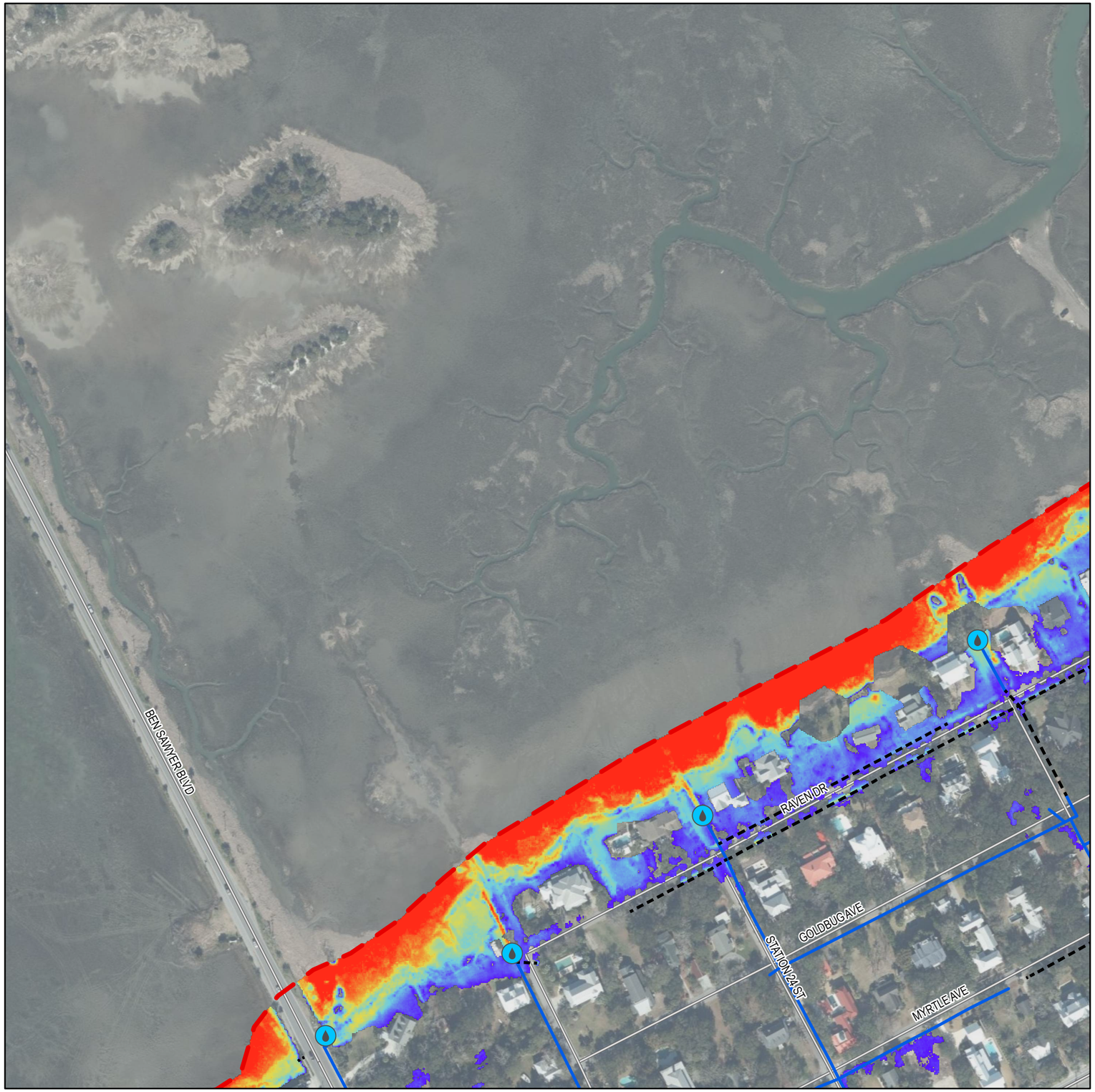
Maximum Flood Depth

> 3.00 ft

0.10 ft

N
W
E
S

0 200 400 800 Feet

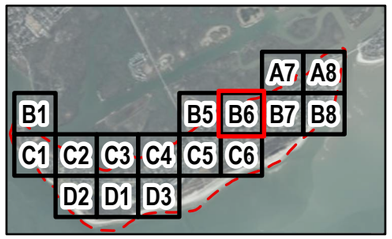


Town of Sullivan's Island, SC

Island-Wide Stormwater Master Plan and Infrastructure Improvement Strategy

Proposed Conditions Flood Analysis
Rainfall: Future 100-Year (11.44") SC Long
Tidal Conditions: Typical Tide with SLR (5.65 ft NAVD88)

Appendix D.15	Sector B6	Page 5 of 16



NOTES:

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6. **Appendices D.9-D.16** assume a future land cover condition (see full report for details).

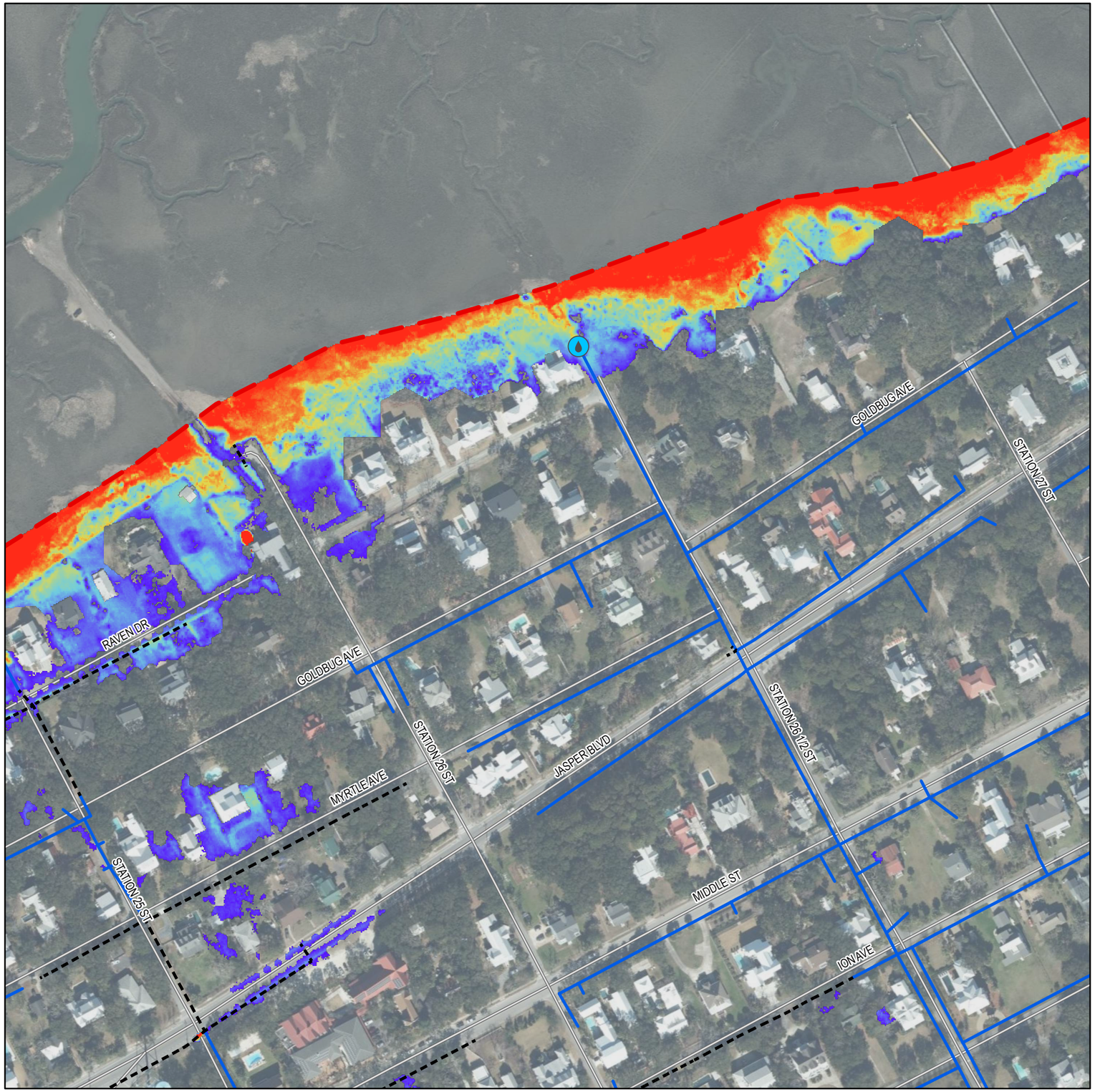
Legend

- Study Boundary
- Roadway
- Proposed Tide Gate
- Proposed Pump Station
- Existing Stormwater Infrastructure
- Proposed Stormwater Infrastructure

Maximum Flood Depth
> 3.00 ft
0.10 ft

N W E S

0 200 400 800 Feet

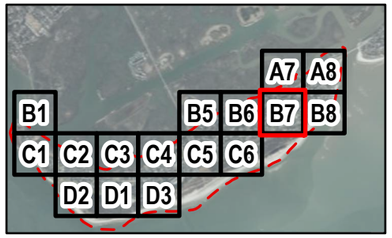


Town of Sullivan's Island, SC

Island-Wide Stormwater Master Plan and Infrastructure Improvement Strategy

Proposed Conditions Flood Analysis
Rainfall: Future 100-Year (11.44") SC Long
Tidal Conditions: Typical Tide with SLR (5.65 ft NAVD88)

Appendix D.15	Sector B7	Page 6 of 16



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Legend

- Study Boundary
- Roadway
- Proposed Tide Gate
- Proposed Pump Station
- Existing Stormwater Infrastructure
- Proposed Stormwater Infrastructure

Maximum Flood Depth

> 3.00 ft

0.10 ft

N W E S

0 200 400 800 Feet

Town of Sullivan's Island, SC

Island-Wide Stormwater Master Plan and Infrastructure Improvement Strategy

Proposed Conditions Flood Analysis
Rainfall: Future 100-Year (11.44") SC Long
Tidal Conditions: Typical Tide with SLR (5.65 ft NAVD88)

Appendix D.15	Sector B8	Page 7 of 16

NOTES:

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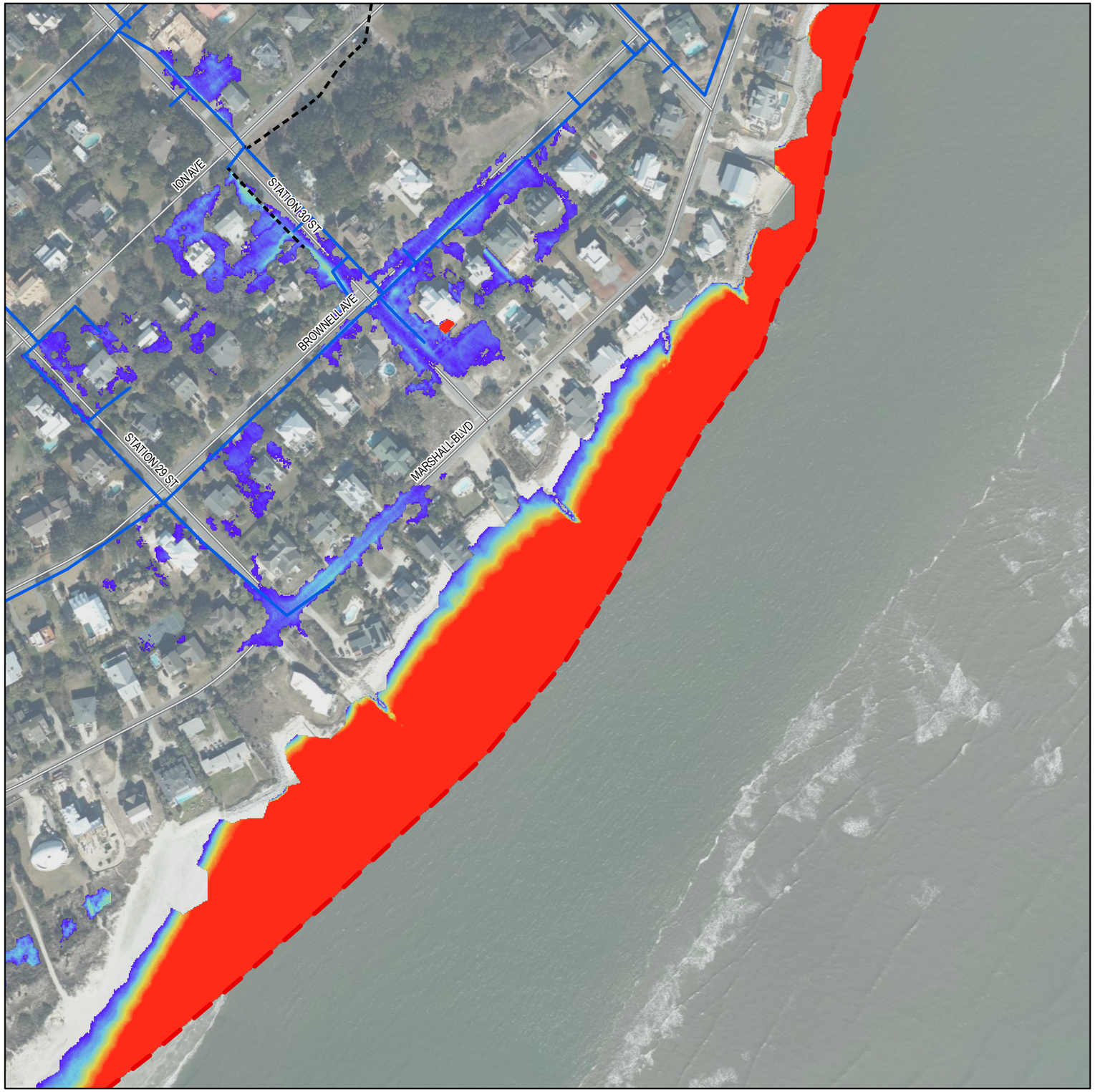


Legend

- Study Boundary
- Roadway
- Proposed Tide Gate
- Proposed Pump Station
- Existing Stormwater Infrastructure
- Proposed Stormwater Infrastructure

Maximum Flood Depth

> 3.00 ft

0.10 ft

N W E S

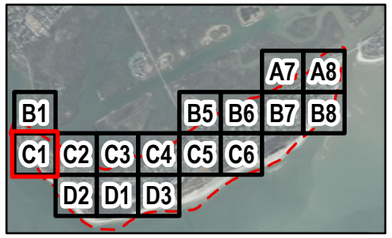
0 200 400 800 Feet

Town of Sullivan's Island, SC

Island-Wide Stormwater Master Plan and Infrastructure Improvement Strategy

Proposed Conditions Flood Analysis
Rainfall: Future 100-Year (11.44") SC Long
Tidal Conditions: Typical Tide with SLR (5.65 ft NAVD88)

Appendix D.15	Sector C1	Page 8 of 16



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Legend

- Study Boundary
- Roadway
- Proposed Tide Gate
- Proposed Pump Station
- Existing Stormwater Infrastructure
- Proposed Stormwater Infrastructure

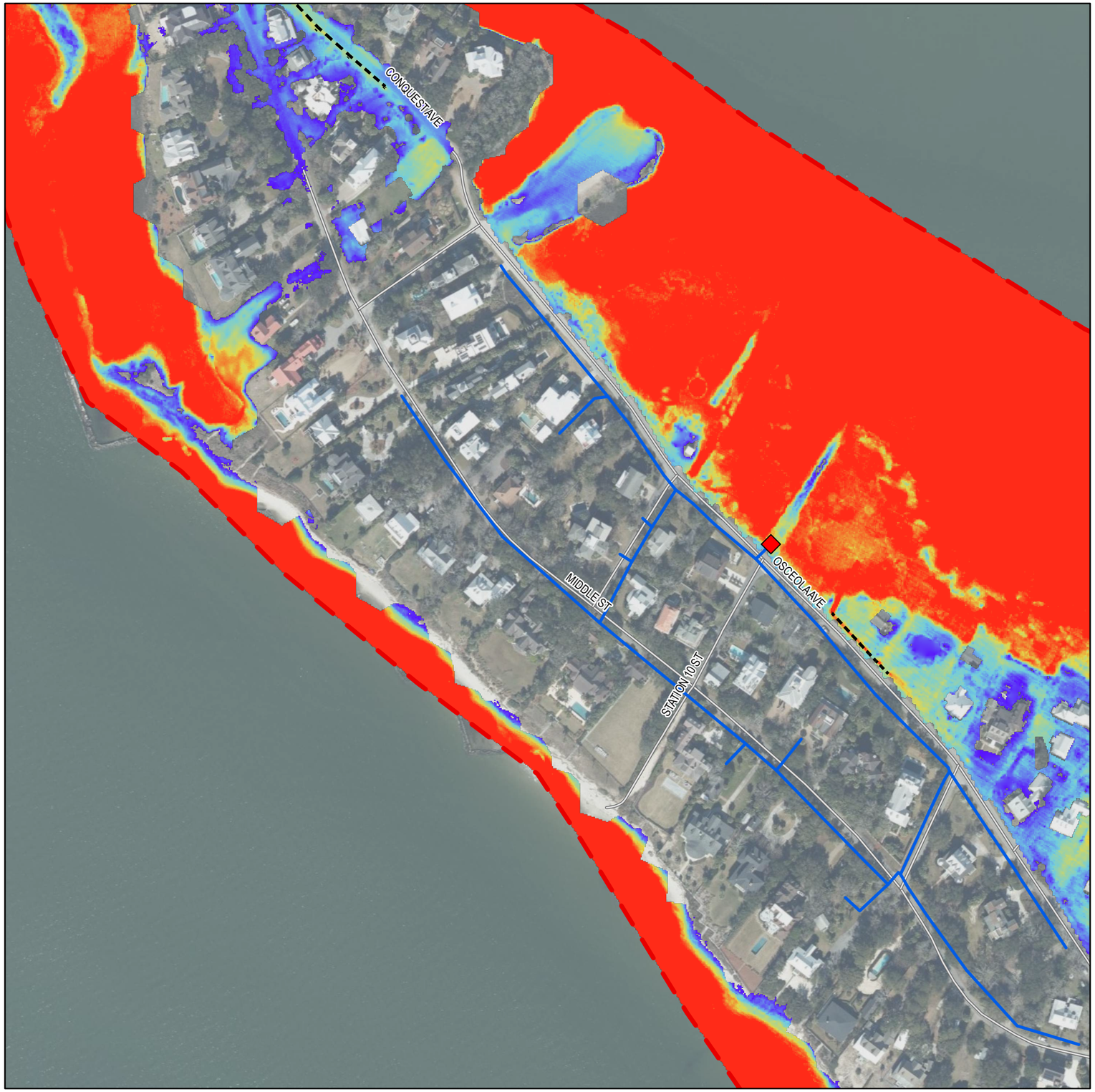
Maximum Flood Depth

> 3.00 ft

0.10 ft

N W E S

0 200 400 800 Feet

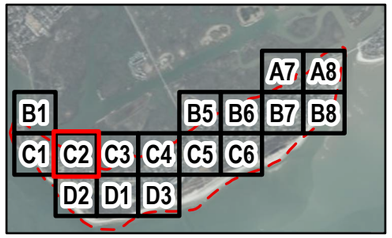


Town of Sullivan's Island, SC

Island-Wide Stormwater Master Plan and Infrastructure Improvement Strategy

Proposed Conditions Flood Analysis
Rainfall: Future 100-Year (11.44") SC Long
Tidal Conditions: Typical Tide with SLR (5.65 ft NAVD88)

Appendix D.15	Sector C2	Page 9 of 16



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Legend

- Study Boundary
- Roadway
- Proposed Tide Gate
- Proposed Pump Station
- Existing Stormwater Infrastructure
- Proposed Stormwater Infrastructure

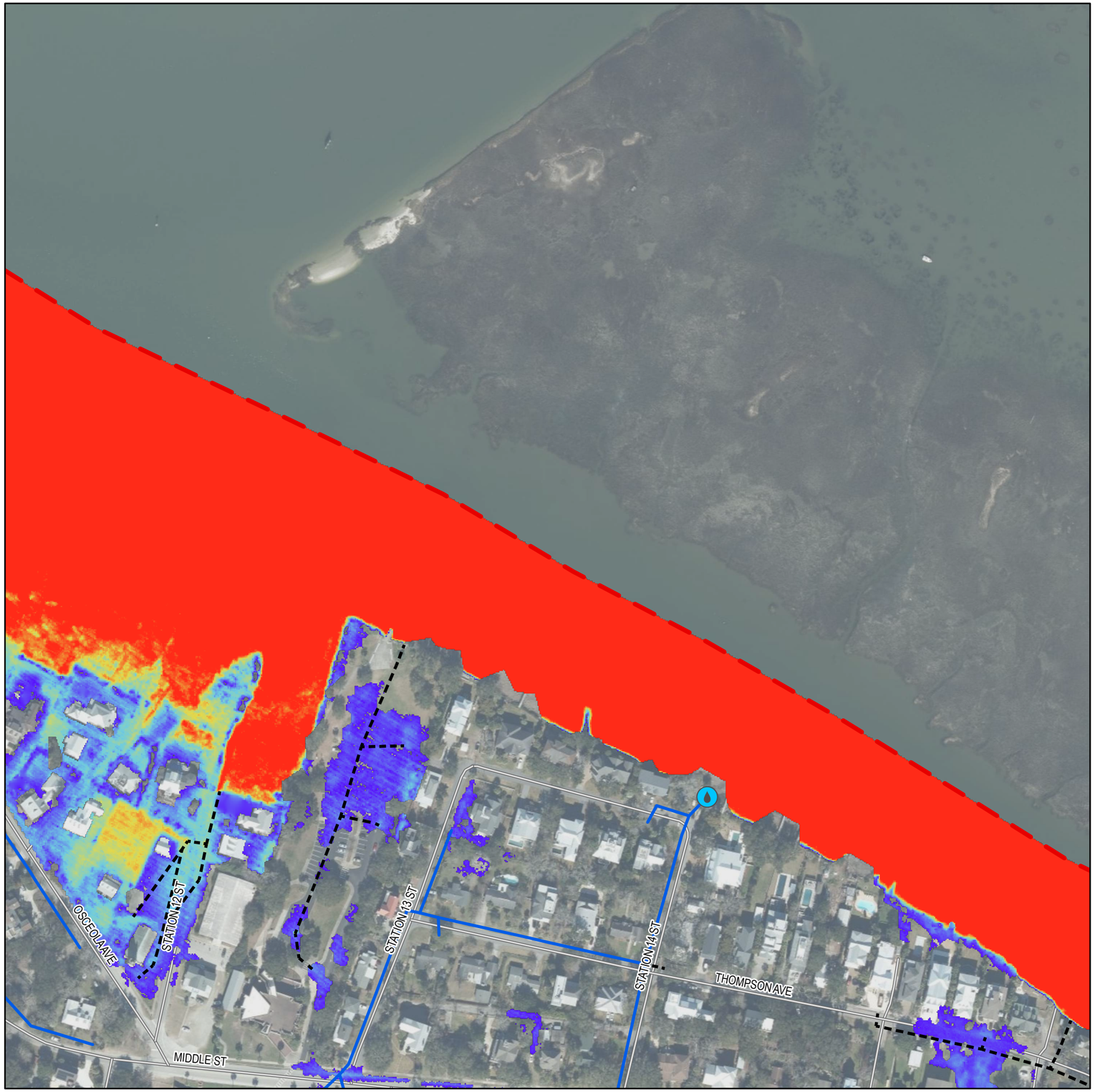
Maximum Flood Depth

> 3.00 ft

0.10 ft

N W E S

0 200 400 800 Feet

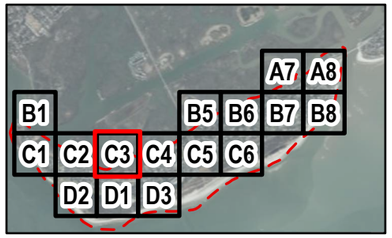


Town of Sullivan's Island, SC

Island-Wide Stormwater Master Plan and Infrastructure Improvement Strategy

Proposed Conditions Flood Analysis
Rainfall: Future 100-Year (11.44") SC Long
Tidal Conditions: Typical Tide with SLR (5.65 ft NAVD88)

Appendix D.15	Sector C3	Page 10 of 16



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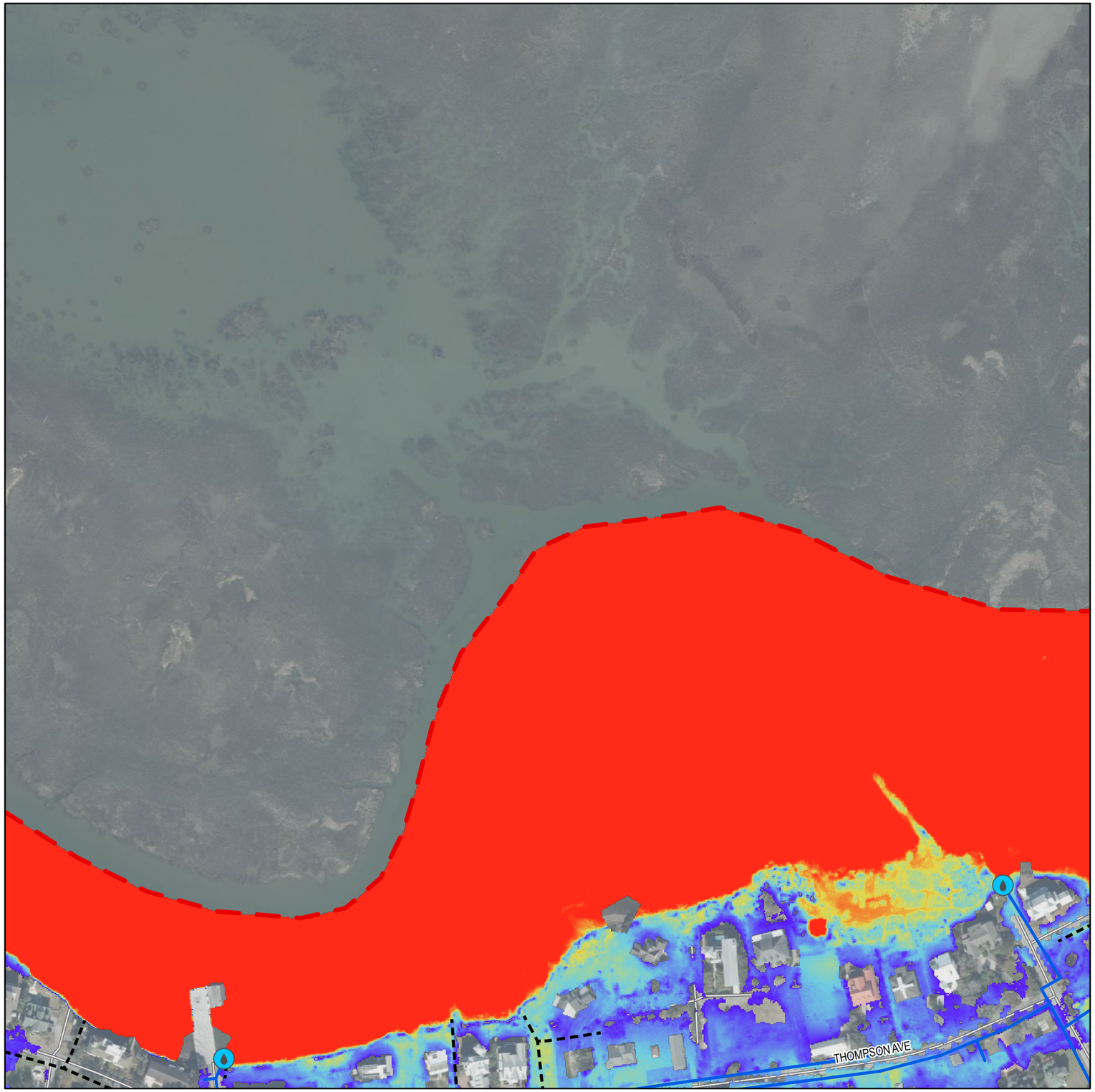
Legend

- Study Boundary
- Roadway
- Proposed Tide Gate
- Proposed Pump Station
- Existing Stormwater Infrastructure
- Proposed Stormwater Infrastructure

Maximum Flood Depth
> 3.00 ft
0.10 ft

N
W
E
S

0 200 400 800 Feet

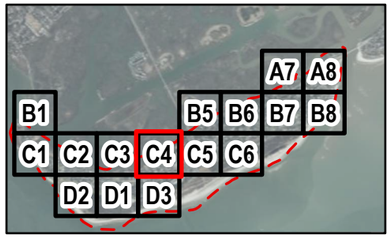


Town of Sullivan's Island, SC

Island-Wide Stormwater Master Plan and Infrastructure Improvement Strategy

Proposed Conditions Flood Analysis
Rainfall: Future 100-Year (11.44") SC Long
Tidal Conditions: Typical Tide with SLR (5.65 ft NAVD88)

Appendix D.15	Sector C4	Page 11 of 16



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Legend

- Study Boundary
- Roadway
- Proposed Tide Gate
- Proposed Pump Station
- Existing Stormwater Infrastructure
- Proposed Stormwater Infrastructure

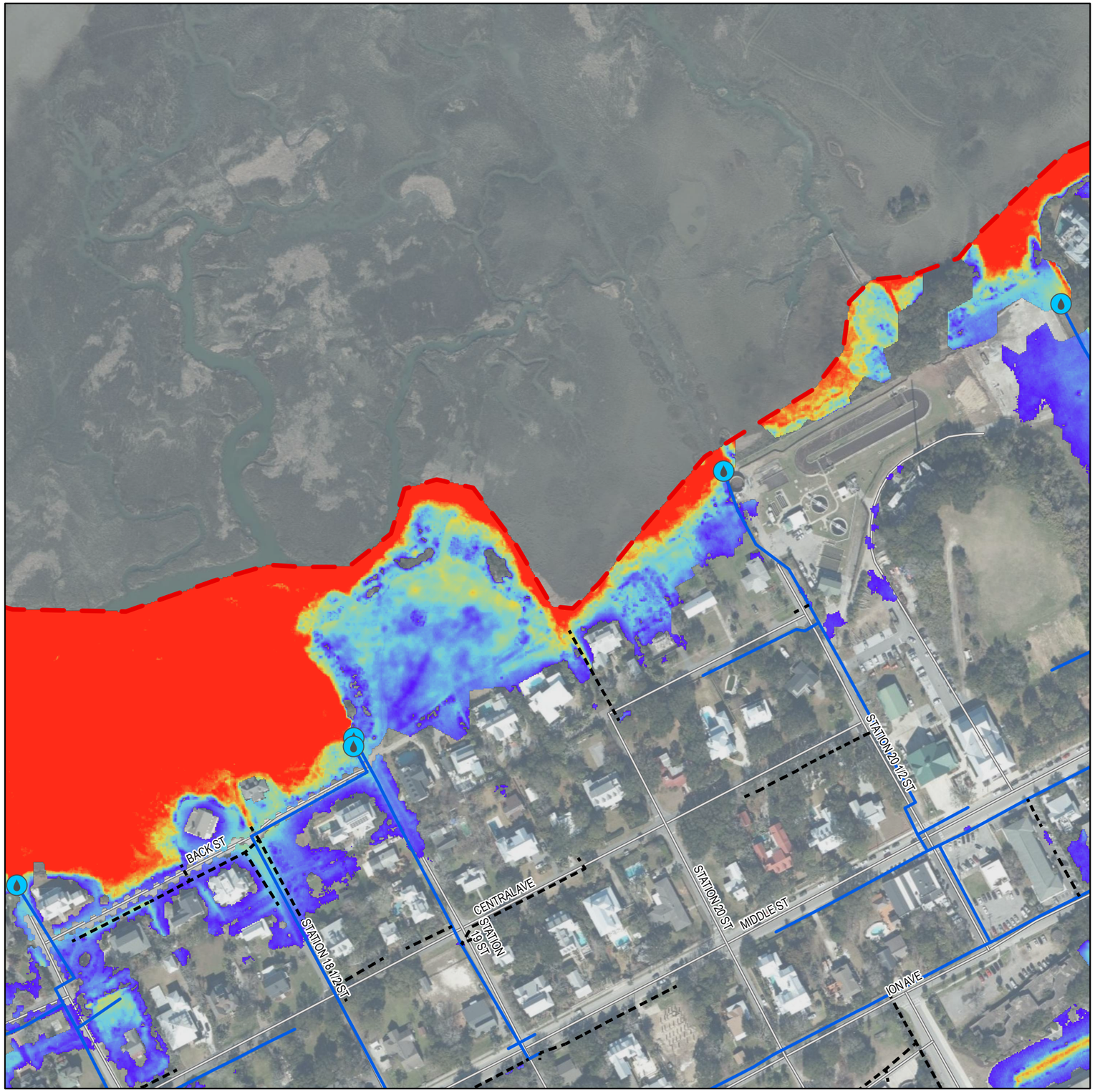
Maximum Flood Depth

> 3.00 ft

0.10 ft

N
W
E
S

0 200 400 800 Feet

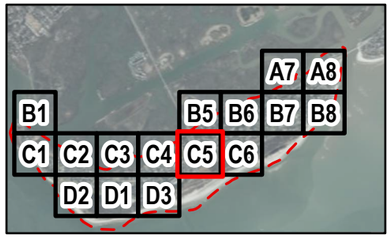


Town of Sullivan's Island, SC

Island-Wide Stormwater Master Plan and Infrastructure Improvement Strategy

Proposed Conditions Flood Analysis
Rainfall: Future 100-Year (11.44") SC Long
Tidal Conditions: Typical Tide with SLR (5.65 ft NAVD88)

Appendix D.15	Sector C5	Page 12 of 16



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Legend

- Study Boundary
- Roadway
- Proposed Tide Gate
- Proposed Pump Station
- Existing Stormwater Infrastructure
- Proposed Stormwater Infrastructure

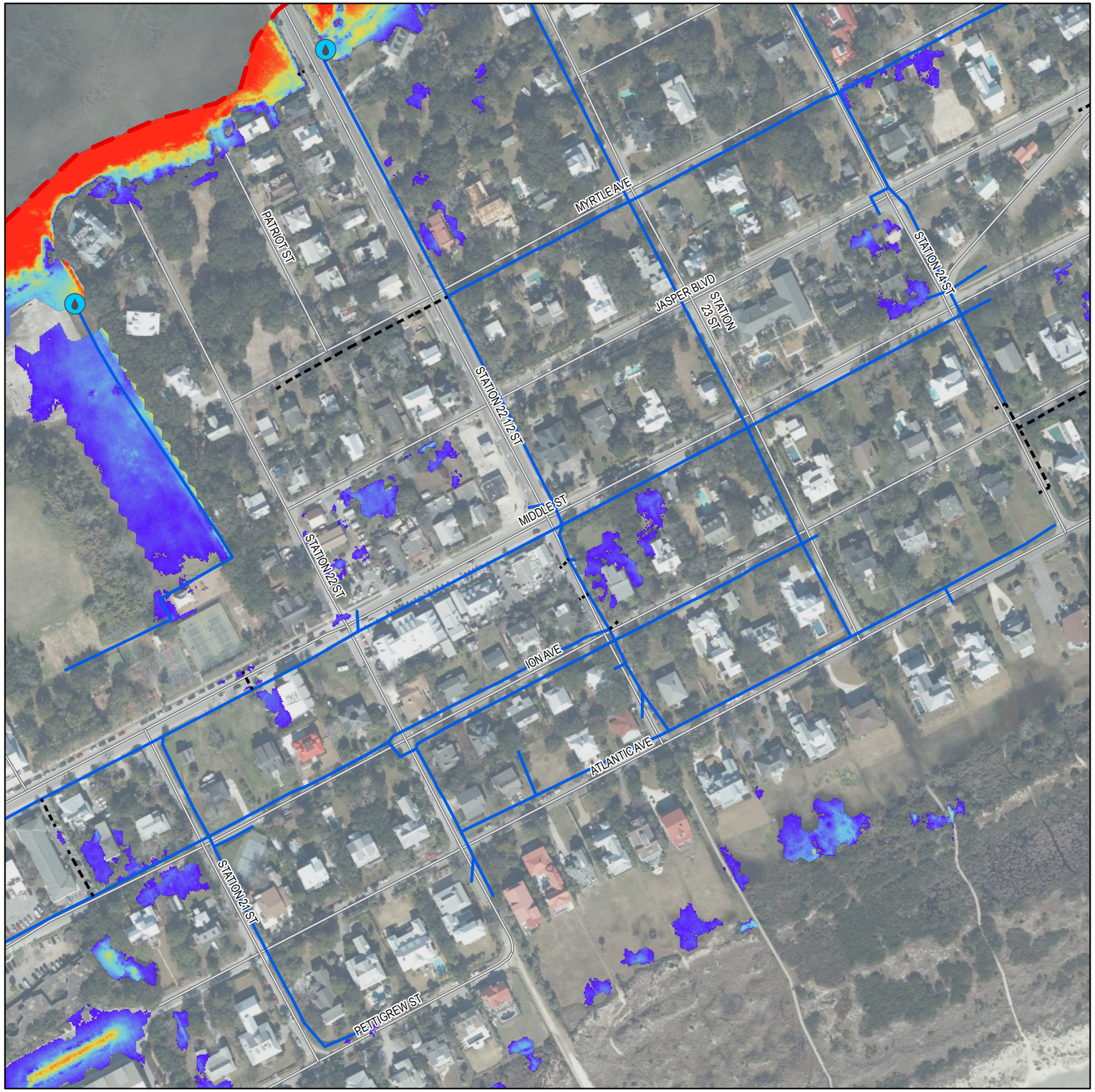
Maximum Flood Depth

> 3.00 ft

0.10 ft

N
W
E
S

0 200 400 800 Feet

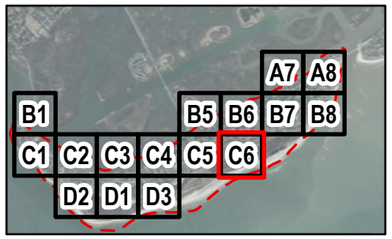


Town of Sullivan's Island, SC

Island-Wide Stormwater Master Plan and Infrastructure Improvement Strategy

Proposed Conditions Flood Analysis
Rainfall: Future 100-Year (11.44") SC Long
Tidal Conditions: Typical Tide with SLR (5.65 ft NAVD88)

Appendix D.15	Sector C6	Page 13 of 16



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Legend

- Study Boundary
- Roadway
- Proposed Tide Gate
- Proposed Pump Station
- Existing Stormwater Infrastructure
- Proposed Stormwater Infrastructure

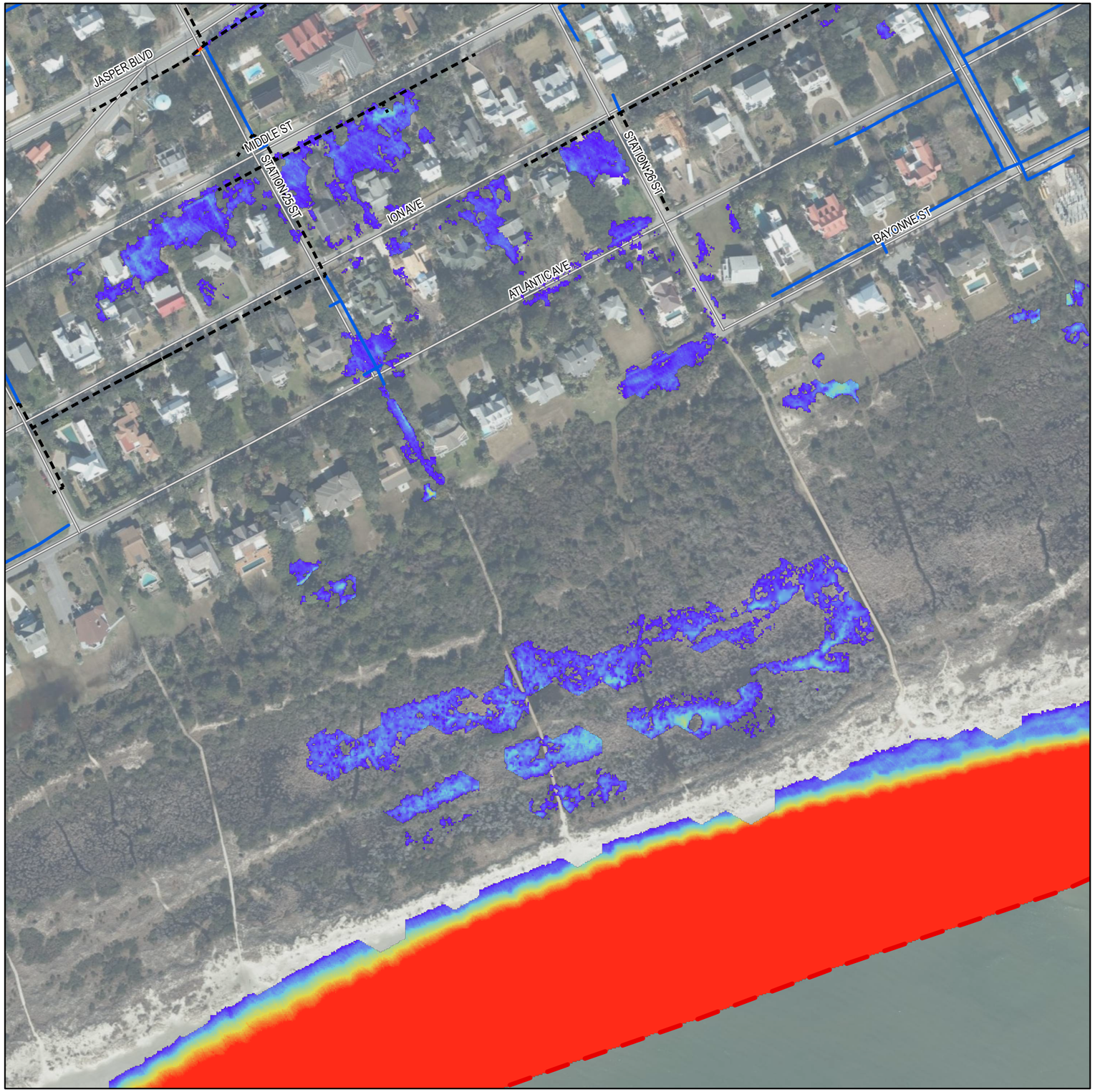
Maximum Flood Depth

> 3.00 ft

0.10 ft

N
W
E
S

0 200 400 800 Feet

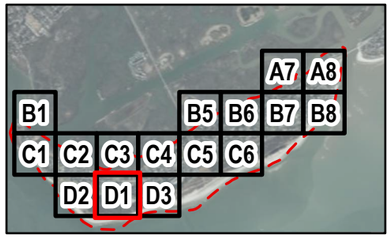


Town of Sullivan's Island, SC

Island-Wide Stormwater Master Plan and Infrastructure Improvement Strategy

Proposed Conditions Flood Analysis
Rainfall: Future 100-Year (11.44") SC Long
Tidal Conditions: Typical Tide with SLR (5.65 ft NAVD88)

Appendix D.15	Sector D1	Page 14 of 16



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Legend

- Study Boundary
- Roadway
- Proposed Tide Gate
- Proposed Pump Station
- Existing Stormwater Infrastructure
- Proposed Stormwater Infrastructure

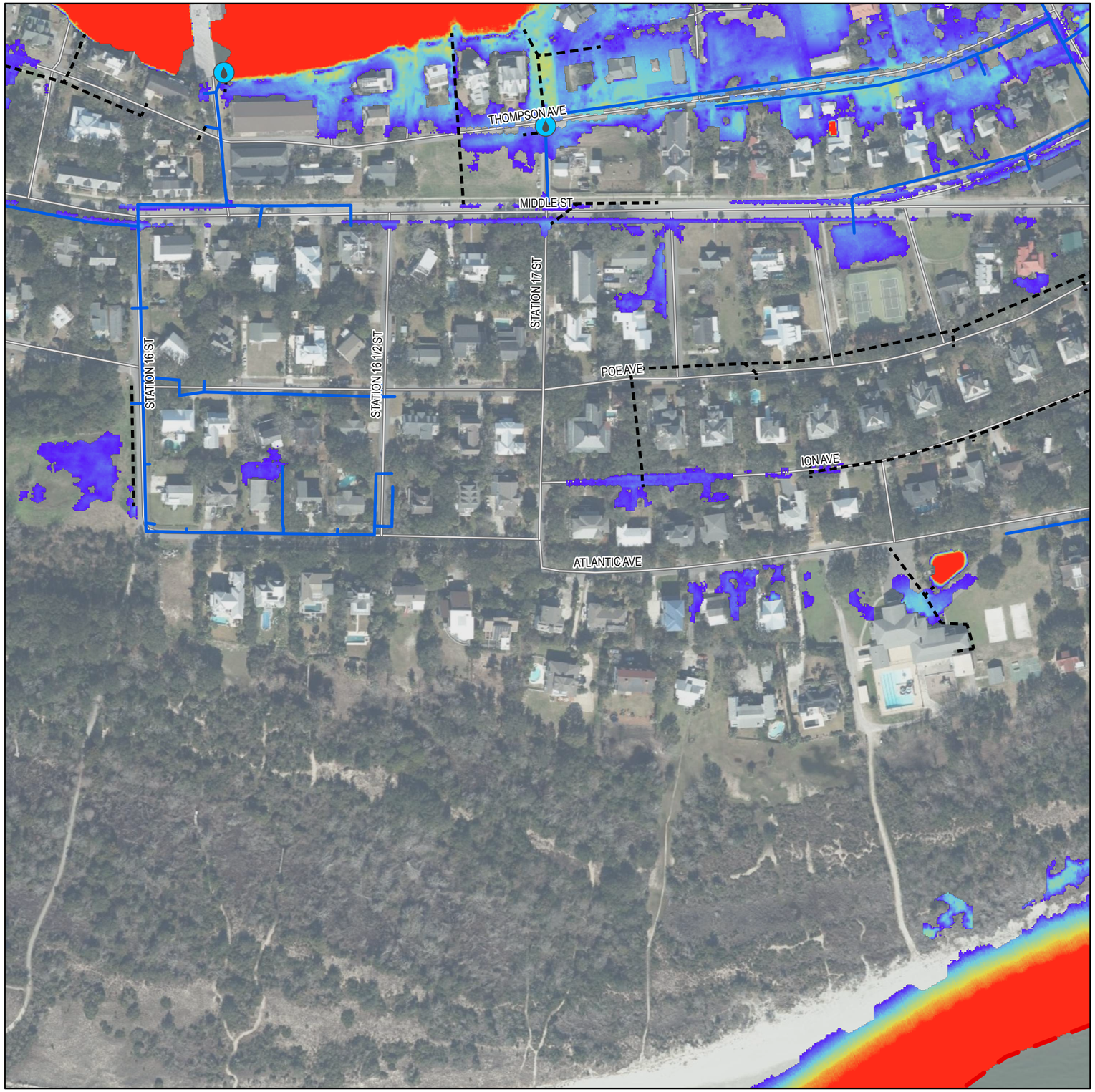
Maximum Flood Depth

> 3.00 ft

0.10 ft

N
W
E
S

0 200 400 800 Feet

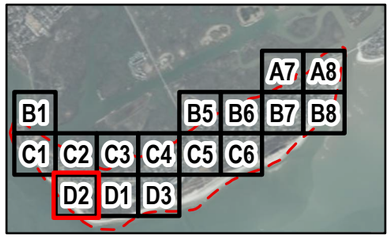


Town of Sullivan's Island, SC

Island-Wide Stormwater Master Plan and Infrastructure Improvement Strategy

Proposed Conditions Flood Analysis
Rainfall: Future 100-Year (11.44") SC Long
Tidal Conditions: Typical Tide with SLR (5.65 ft NAVD88)

Appendix D.15	Sector D2	Page 15 of 16



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Legend

- Study Boundary
- Roadway
- Proposed Tide Gate
- Proposed Pump Station
- Existing Stormwater Infrastructure
- Proposed Stormwater Infrastructure

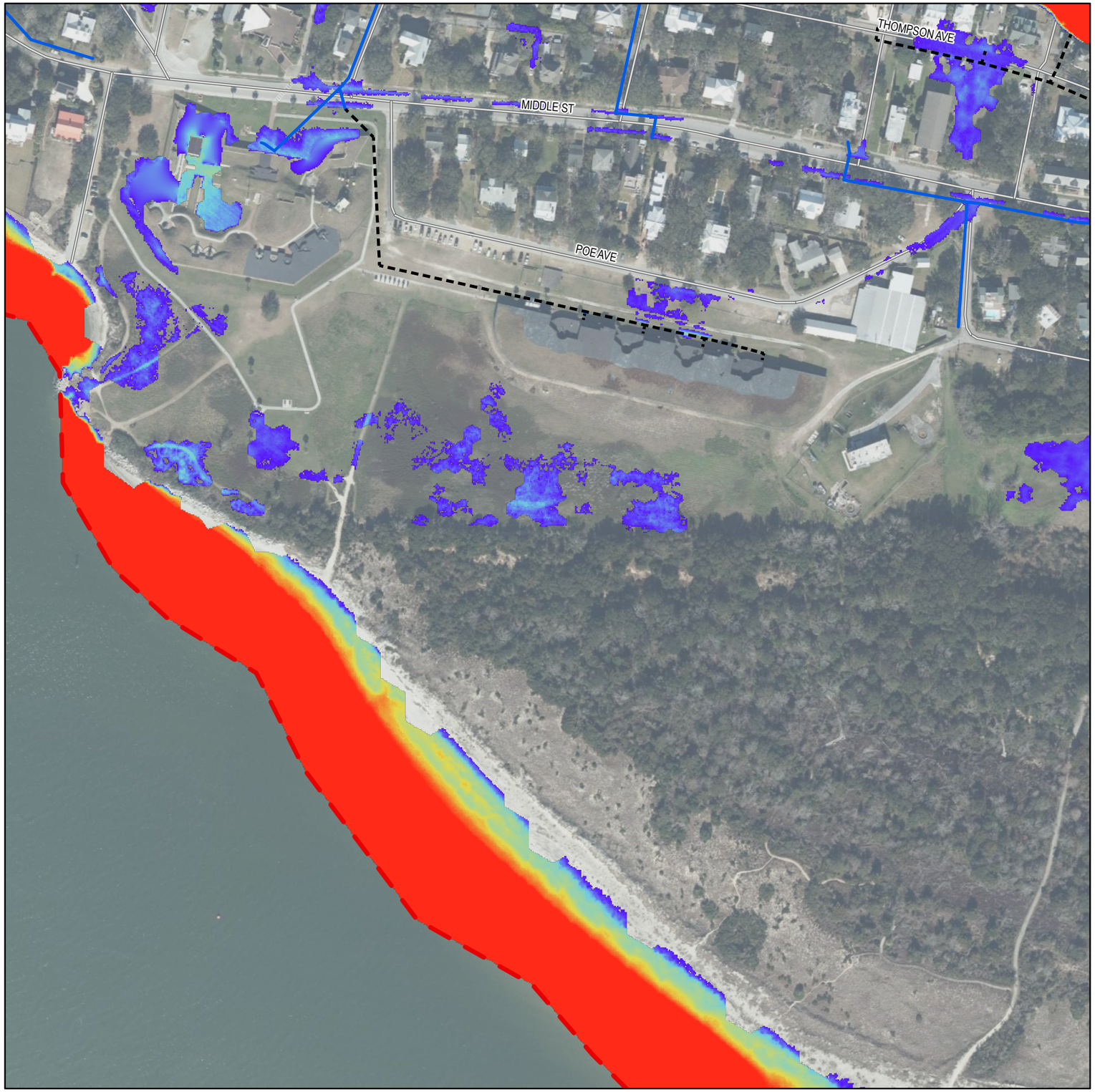
Maximum Flood Depth

> 3.00 ft

0.10 ft

N W E S

0 200 400 800 Feet

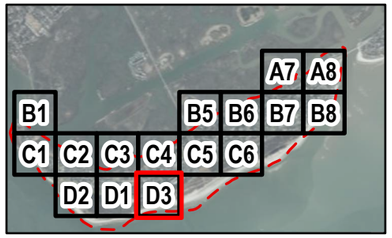


Town of Sullivan's Island, SC

Island-Wide Stormwater Master Plan and Infrastructure Improvement Strategy

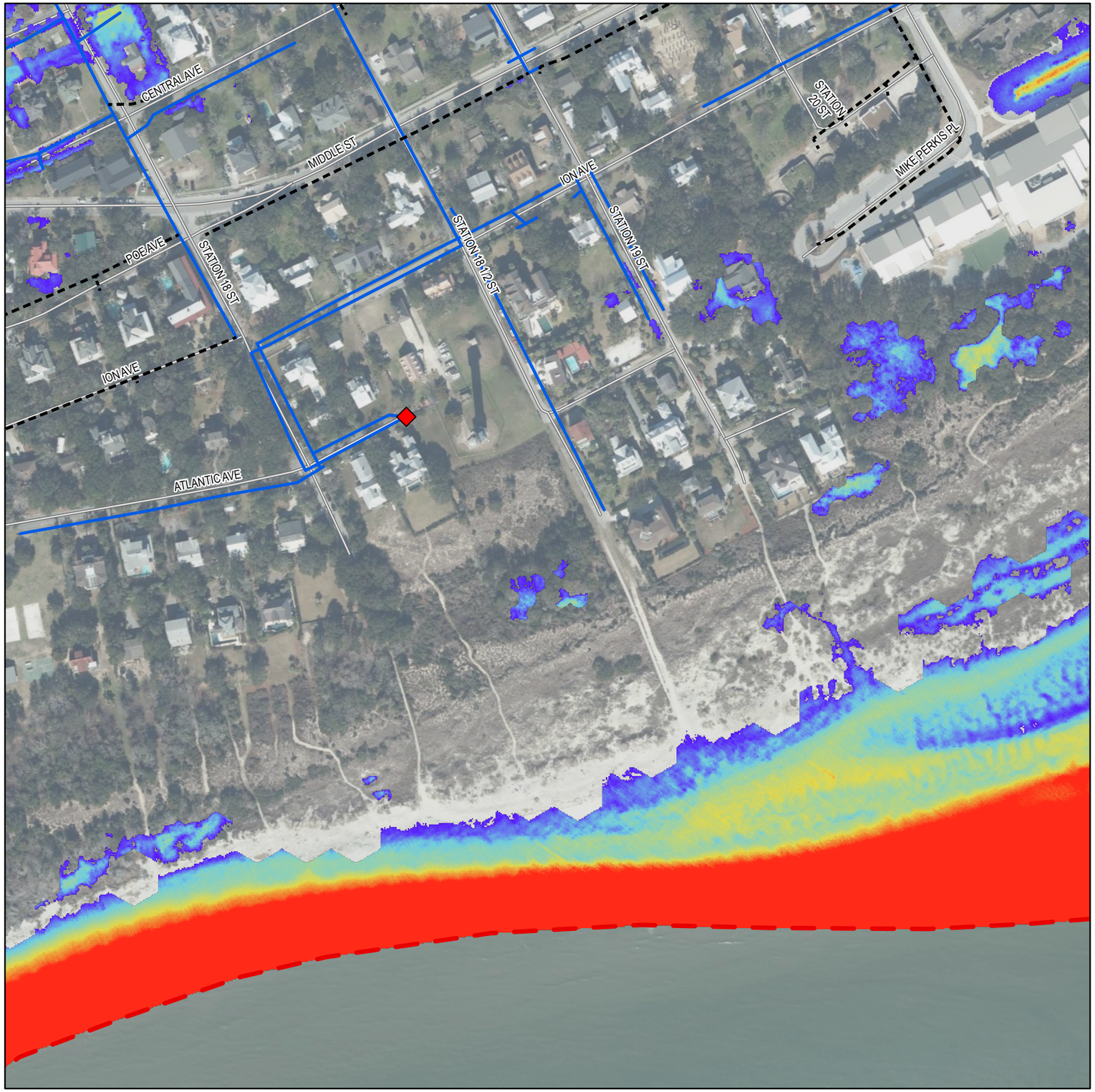
Proposed Conditions Flood Analysis
Rainfall: Future 100-Year (11.44") SC Long
Tidal Conditions: Typical Tide with SLR (5.65 ft NAVD88)

Appendix D.15	Sector D3	Page 16 of 16



NOTES:

1. Background 2020 aerial imagery collected by Kucera International. Imagery is managed by Adam DeMars, South Carolina State GIS Coordinator and hosted by ESRI.
2. Drainage infrastructure locations are approximate.
3. Flood depths presented herein are representative of the maximum flood depth simulated for this scenario.
4. Flood depths presented herein within the immediate cross sections of open channels or ditches are not representative of actual conditions due to model limitations.
5. See project recommendations for details regarding proposed improvements.
6. **Appendices D.9-D.16** assume a future land cover condition (see full report for details).



Legend

- Study Boundary
- Roadway
- Proposed Tide Gate
- Proposed Pump Station
- Existing Stormwater Infrastructure
- Proposed Stormwater Infrastructure

Maximum Flood Depth

> 3.00 ft

0.10 ft

N W E S

0 200 400 800 Feet