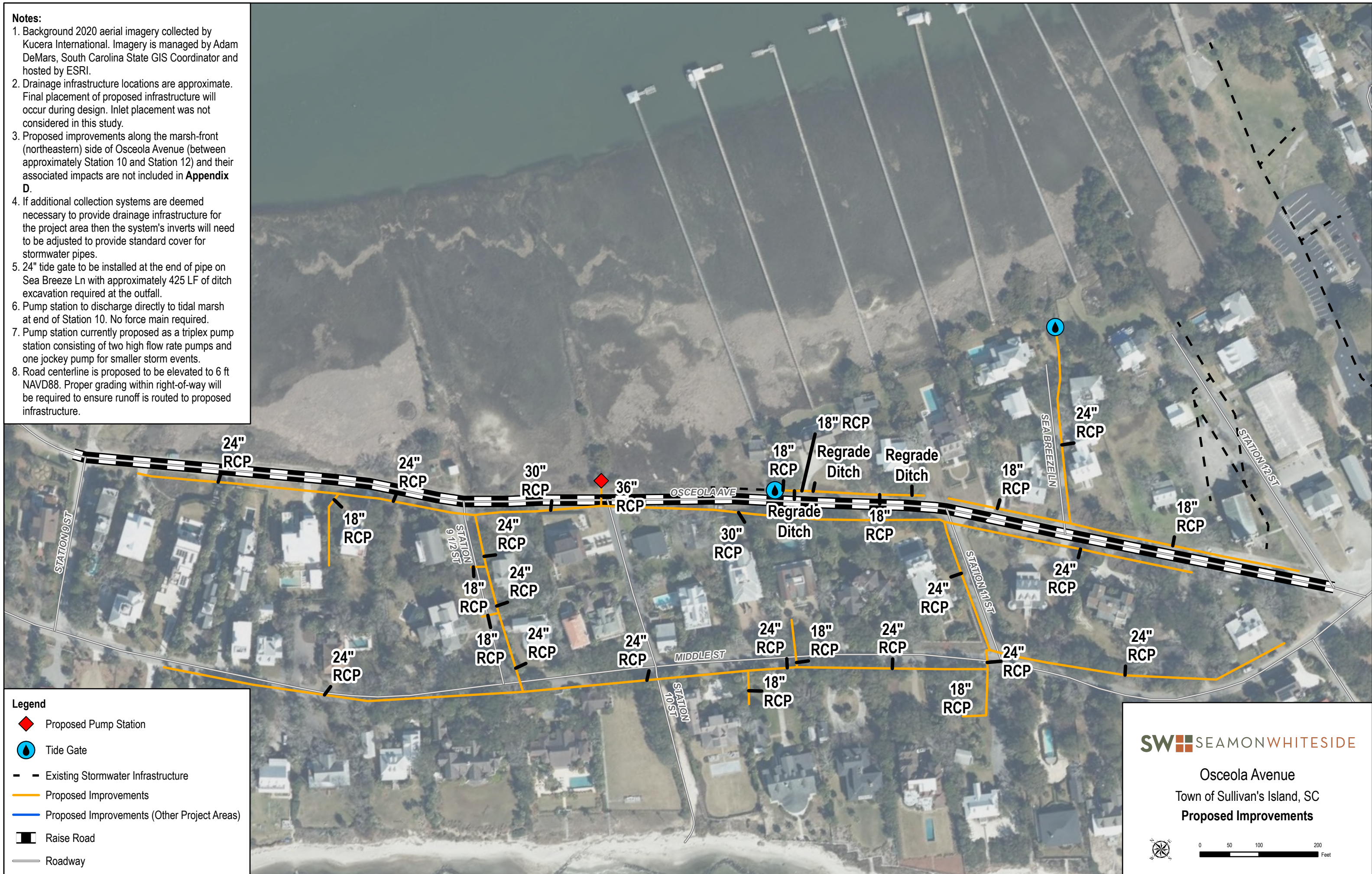

Appendix C: Proposed Improvements



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. Final placement of proposed infrastructure will occur during design. Inlet placement was not considered in this study.
3. Proposed improvements along the marsh-front (northeastern) side of Osceola Avenue (between approximately Station 10 and Station 12) and their associated impacts are not included in **Appendix D**.
4. If additional collection systems are deemed necessary to provide drainage infrastructure for the project area then the system's inverts will need to be adjusted to provide standard cover for stormwater pipes.
5. 24" tide gate to be installed at the end of pipe on Sea Breeze Ln with approximately 425 LF of ditch excavation required at the outfall.
6. Pump station to discharge directly to tidal marsh at end of Station 10. No force main required.
7. Pump station currently proposed as a triplex pump station consisting of two high flow rate pumps and one jockey pump for smaller storm events.
8. Road centerline is proposed to be elevated to 6 ft NAVD88. Proper grading within right-of-way will be required to ensure runoff is routed to proposed infrastructure.



Legend

- ◆ Proposed Pump Station
- Tide Gate
- - - Existing Stormwater Infrastructure
- Proposed Improvements
- Proposed Improvements (Other Project Areas)
- ▬ Raise Road
- Roadway

SW SEAMON WHITESIDE

Osceola Avenue
Town of Sullivan's Island, SC
Proposed Improvements

0 50 100 200
Feet

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. Final placement of proposed infrastructure will occur during design. Inlet placement was not considered in this study.
3. If additional collection systems are deemed necessary to provide drainage infrastructure for the project area, then the system's inverts will need to be adjusted to provide standard cover for stormwater pipes.
4. 48" tide gate to be installed at end of pipe on Station 14 with approximately 80 LF of ditch excavation required at the outfall.

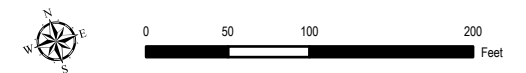


Legend

- Tide Gate
- Existing Stormwater Infrastructure
- Proposed Improvements
- Proposed Improvements (Other Project Areas)
- Roadway

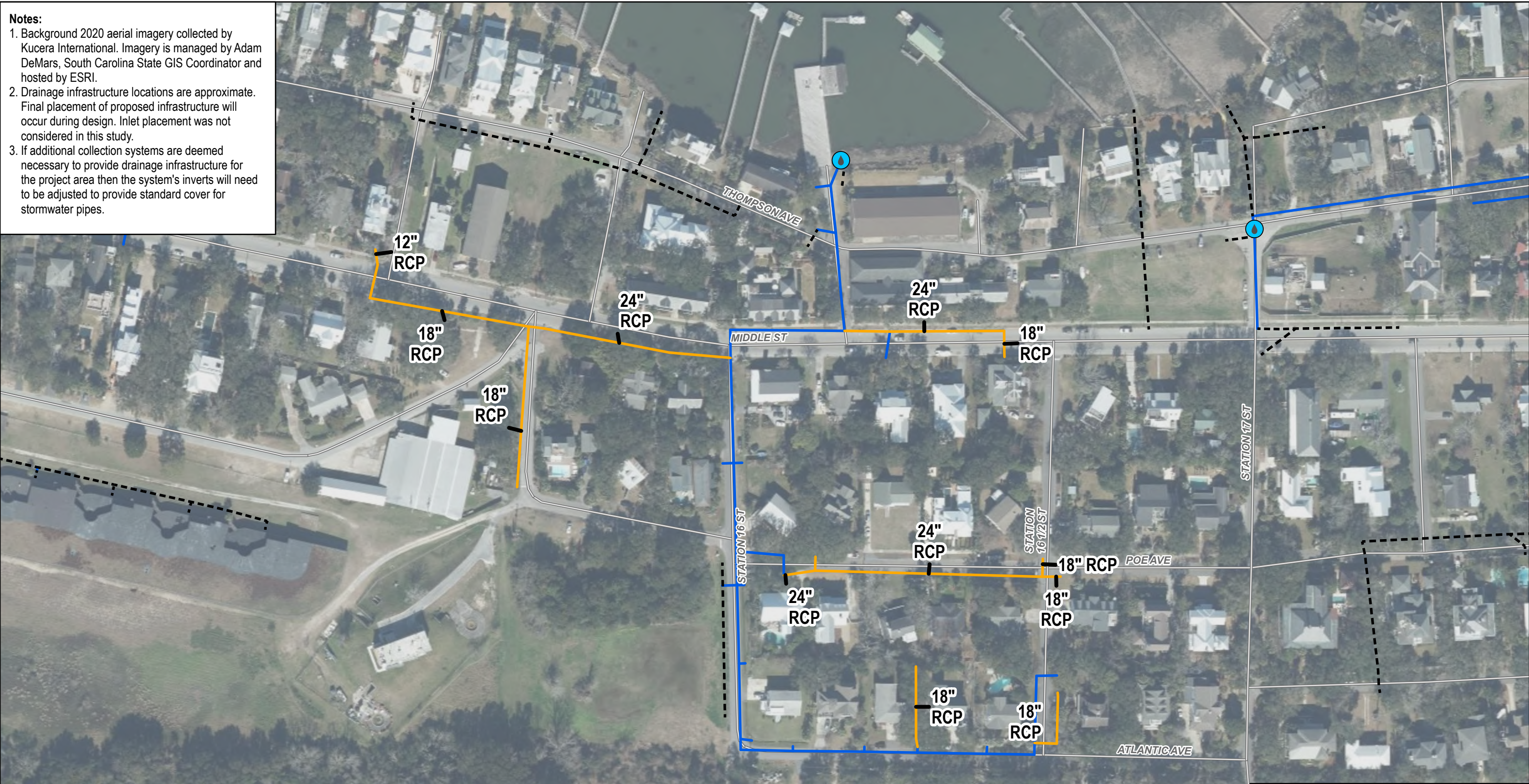
SW SEAMON WHITESIDE

Station 14
Town of Sullivan's Island, SC
Proposed Improvements








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. Final placement of proposed infrastructure will occur during design. Inlet placement was not considered in this study.
3. If additional collection systems are deemed necessary to provide drainage infrastructure for the project area then the system's inverts will need to be adjusted to provide standard cover for stormwater pipes.

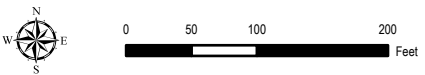


Legend

-  Tide Gate
-  Existing Stormwater Infrastructure
-  Proposed Improvements
-  Proposed Improvements (Other Project Areas)
-  Roadway

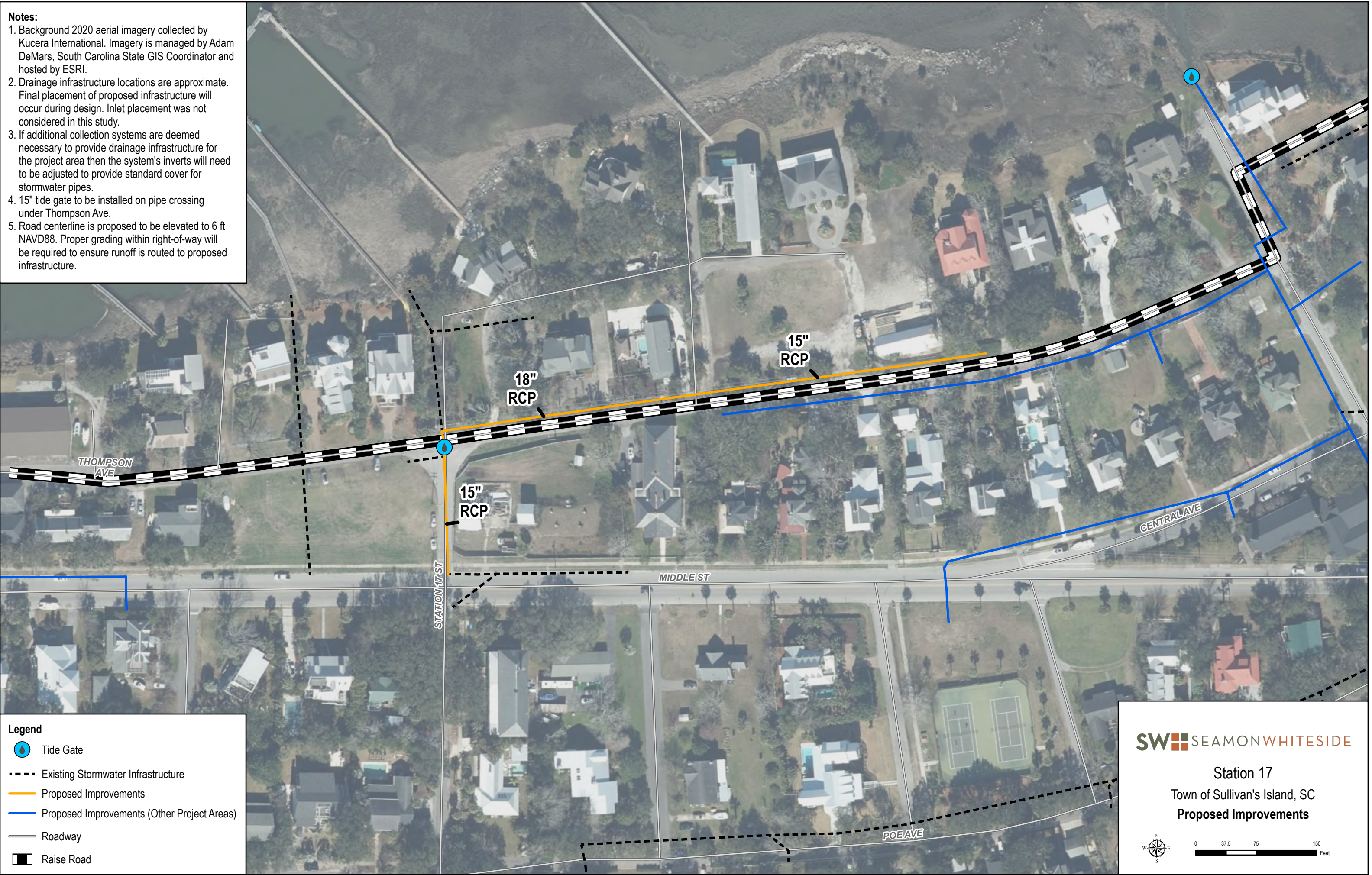
SW SEAMONWHITESIDE

Station 16 Extension
Town of Sullivan's Island, SC
Proposed Improvements



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. Final placement of proposed infrastructure will occur during design. Inlet placement was not considered in this study.
3. If additional collection systems are deemed necessary to provide drainage infrastructure for the project area then the system's inverts will need to be adjusted to provide standard cover for stormwater pipes.
4. 15" tide gate to be installed on pipe crossing under Thompson Ave.
5. Road centerline is proposed to be elevated to 6 ft NAVD88. Proper grading within right-of-way will be required to ensure runoff is routed to proposed infrastructure.



Legend

- Tide Gate
- Existing Stormwater Infrastructure
- Proposed Improvements
- Proposed Improvements (Other Project Areas)
- Roadway
- Raise Road

SW SEAMON WHITESIDE

Station 17
Town of Sullivan's Island, SC
Proposed Improvements









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. Final placement of proposed infrastructure will occur during design. Inlet placement was not considered in this study.
3. If additional collection systems are deemed necessary to provide drainage infrastructure for the project area then the system's inverts will need to be adjusted to provide standard cover for stormwater pipes.
4. 42" tide gate to be installed at end of Station 18. Existing outfall conditions do not require additional channel dredging.
5. Road centerline is proposed to be elevated to 6 ft NAVD88. Proper grading within right-of-way will be required to ensure runoff is routed to proposed infrastructure.



Legend

-  Tide Gate
-  Existing Stormwater Infrastructure
-  Proposed Improvements
-  Proposed Improvements (Other Project Areas)
-  Roadway
-  Raise Road

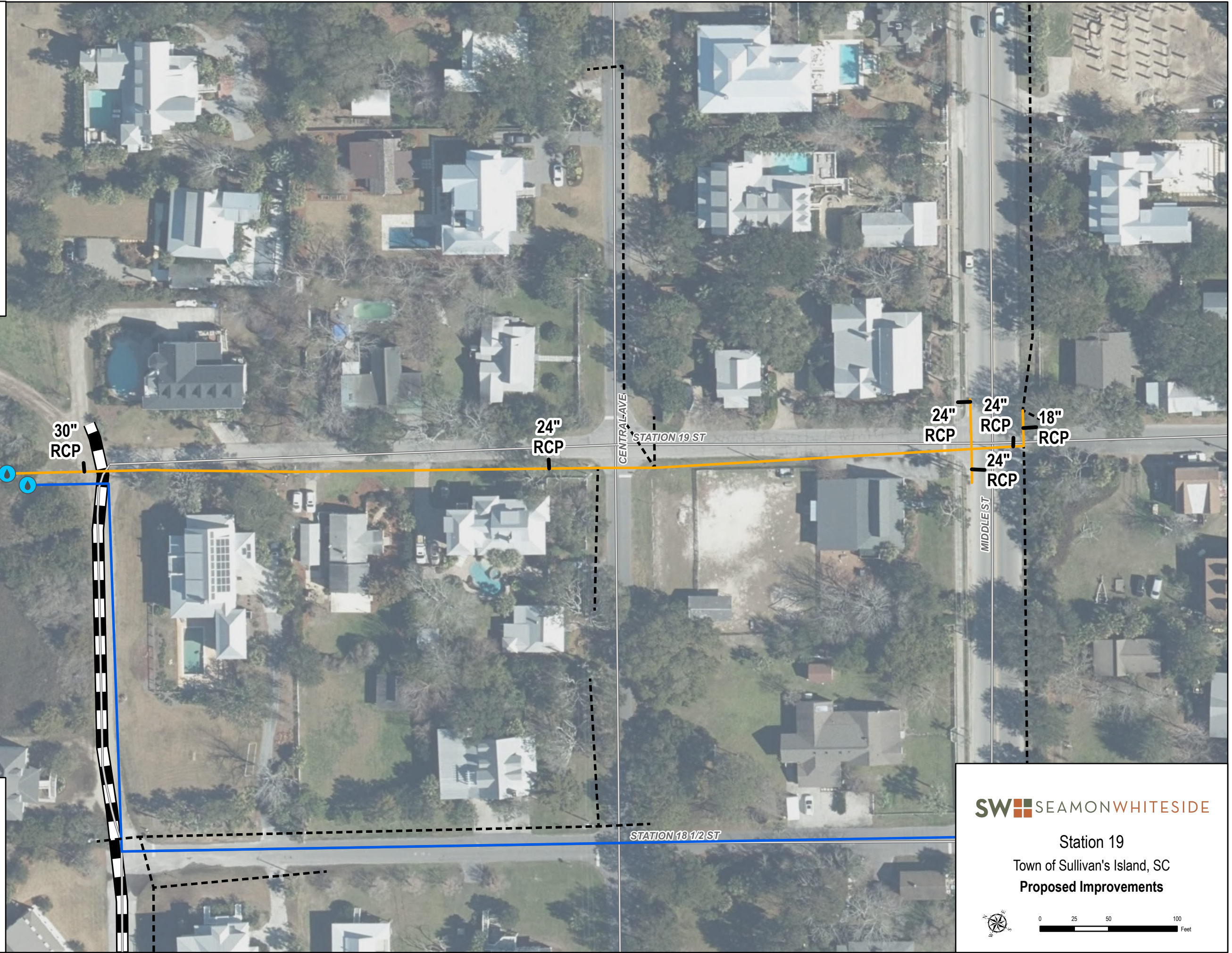
SW SEAMON WHITESIDE

Station 18
Town of Sullivan's Island, SC
Proposed Improvements



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. Final placement of proposed infrastructure will occur during design. Inlet placement was not considered in this study.
3. If additional collection systems are deemed necessary to provide drainage infrastructure for the project area then the system's inverts will need to be adjusted to provide standard cover for stormwater pipes.
4. 30" tide gate to be installed at end of pipe on Station 19 with approximately 205 LF of excavation required at the outfall ditch.
5. Road centerline is proposed to be elevated to 6 ft NAVD88. Proper grading within right-of-way will be required to ensure runoff is routed to proposed infrastructure.

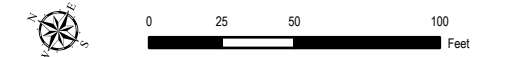


Legend

- Tide Gate
- Existing Stormwater Infrastructure
- Proposed Improvements
- Proposed Improvements (Other Project Areas)
- Roadway
- Raise Road

SW SEAMON WHITESIDE

Station 19
Town of Sullivan's Island, SC
Proposed Improvements



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. Final placement of proposed infrastructure will occur during design. Inlet placement was not considered in this study.
3. If additional collection systems are deemed necessary to provide drainage infrastructure for the project area then the system's inverts will need to be adjusted to provide standard cover for stormwater pipes.
4. 48" tide gate to be installed at end of pipe on Station 20.5 St with approximately 136 LF of excavation required at the outfall ditch.

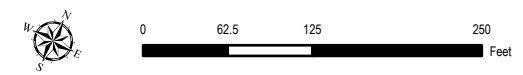


Legend

- Tide Gate
- Existing Stormwater Infrastructure
- Proposed Improvements
- Proposed Improvements (Other Project Areas)
- Roadway

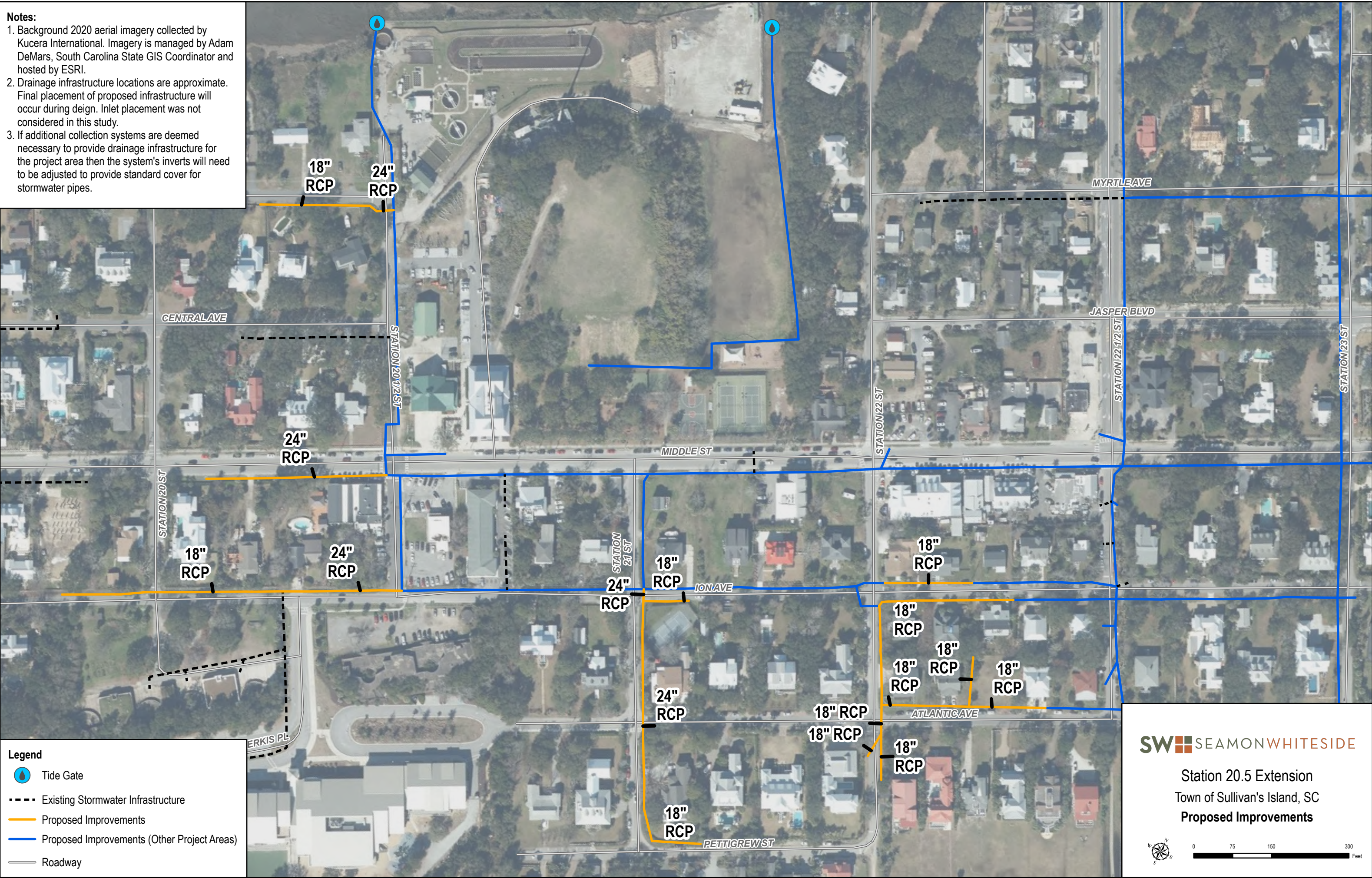
SW SEAMONWHITESIDE

Station 20.5
Town of Sullivan's Island, SC
Proposed Improvements



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. Final placement of proposed infrastructure will occur during design. Inlet placement was not considered in this study.
3. If additional collection systems are deemed necessary to provide drainage infrastructure for the project area then the system's inverts will need to be adjusted to provide standard cover for stormwater pipes.



Legend

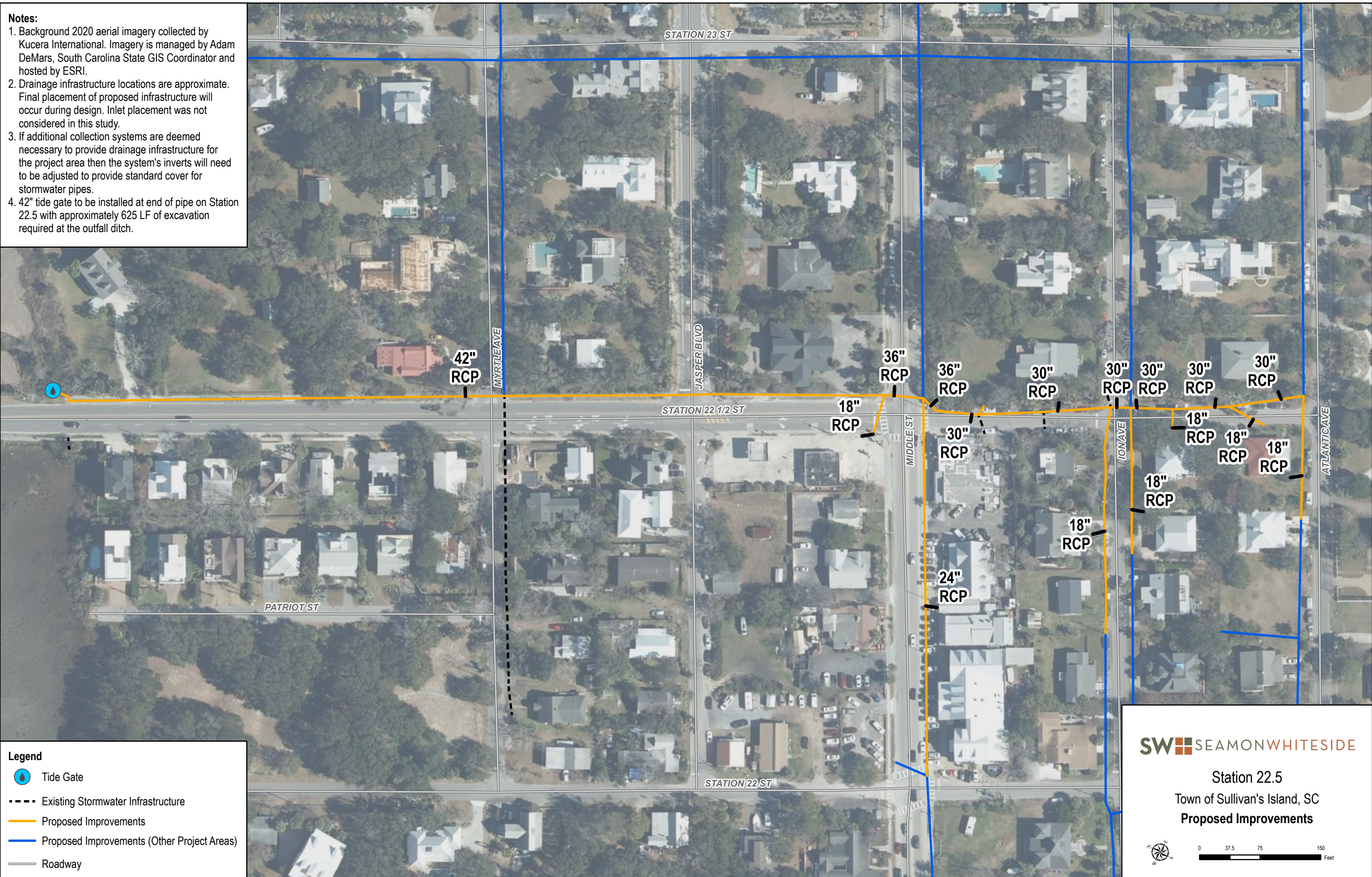
- Tide Gate
- Existing Stormwater Infrastructure
- Proposed Improvements
- Proposed Improvements (Other Project Areas)
- Roadway

SW SEAMON WHITESIDE

Station 20.5 Extension
Town of Sullivan's Island, SC
Proposed Improvements

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. Final placement of proposed infrastructure will occur during design. Inlet placement was not considered in this study.
3. If additional collection systems are deemed necessary to provide drainage infrastructure for the project area then the system's inverts will need to be adjusted to provide standard cover for stormwater pipes.
4. 42" tide gate to be installed at end of pipe on Station 22.5 with approximately 625 LF of excavation required at the outfall ditch.

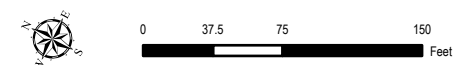


Legend

- Tide Gate
- Existing Stormwater Infrastructure
- Proposed Improvements
- Proposed Improvements (Other Project Areas)
- Roadway

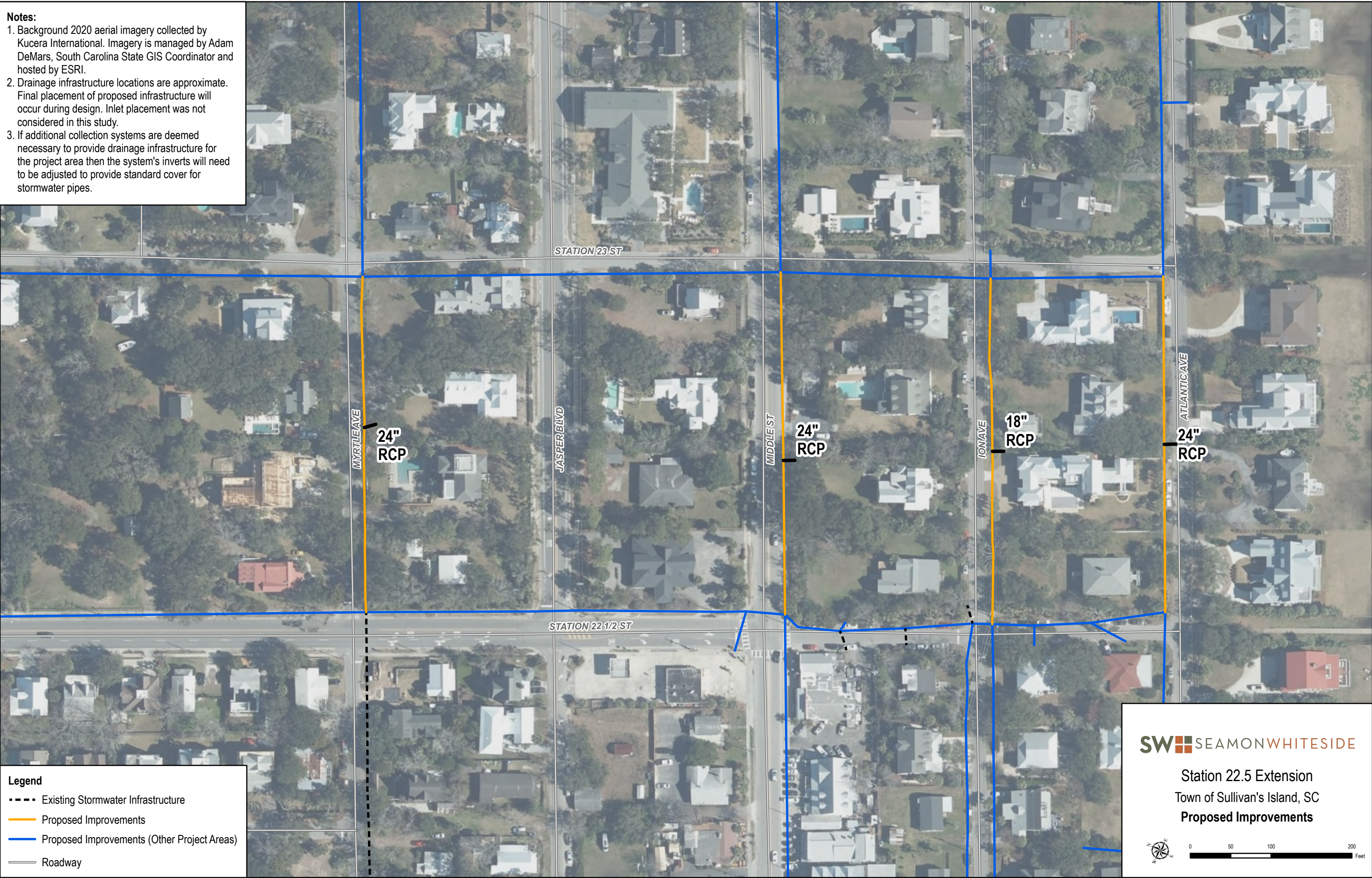
SW SEAMONWHITESIDE

Station 22.5
Town of Sullivan's Island, SC
Proposed Improvements



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. Final placement of proposed infrastructure will occur during design. Inlet placement was not considered in this study.
3. If additional collection systems are deemed necessary to provide drainage infrastructure for the project area then the system's inverts will need to be adjusted to provide standard cover for stormwater pipes.



Legend

- - - Existing Stormwater Infrastructure
- Proposed Improvements
- Proposed Improvements (Other Project Areas)
- Roadway

SW SEAMON WHITESIDE

Station 22.5 Extension
Town of Sullivan's Island, SC
Proposed Improvements

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. Final placement of proposed infrastructure will occur during design. Inlet placement was not considered in this study.
3. If additional collection systems are deemed necessary to provide drainage infrastructure for the project area then the system's inverts will need to be adjusted to provide standard cover for stormwater pipes.
4. 36" tide gate to be installed at end of pipe on Station 23 with approximately 278 LF of excavation at the outfall ditch.

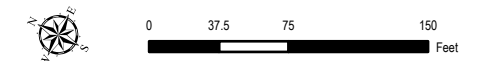


Legend

- Tide Gate
- Existing Stormwater Infrastructure
- Proposed Improvements
- Proposed Improvements (Other Project Areas)
- Roadway

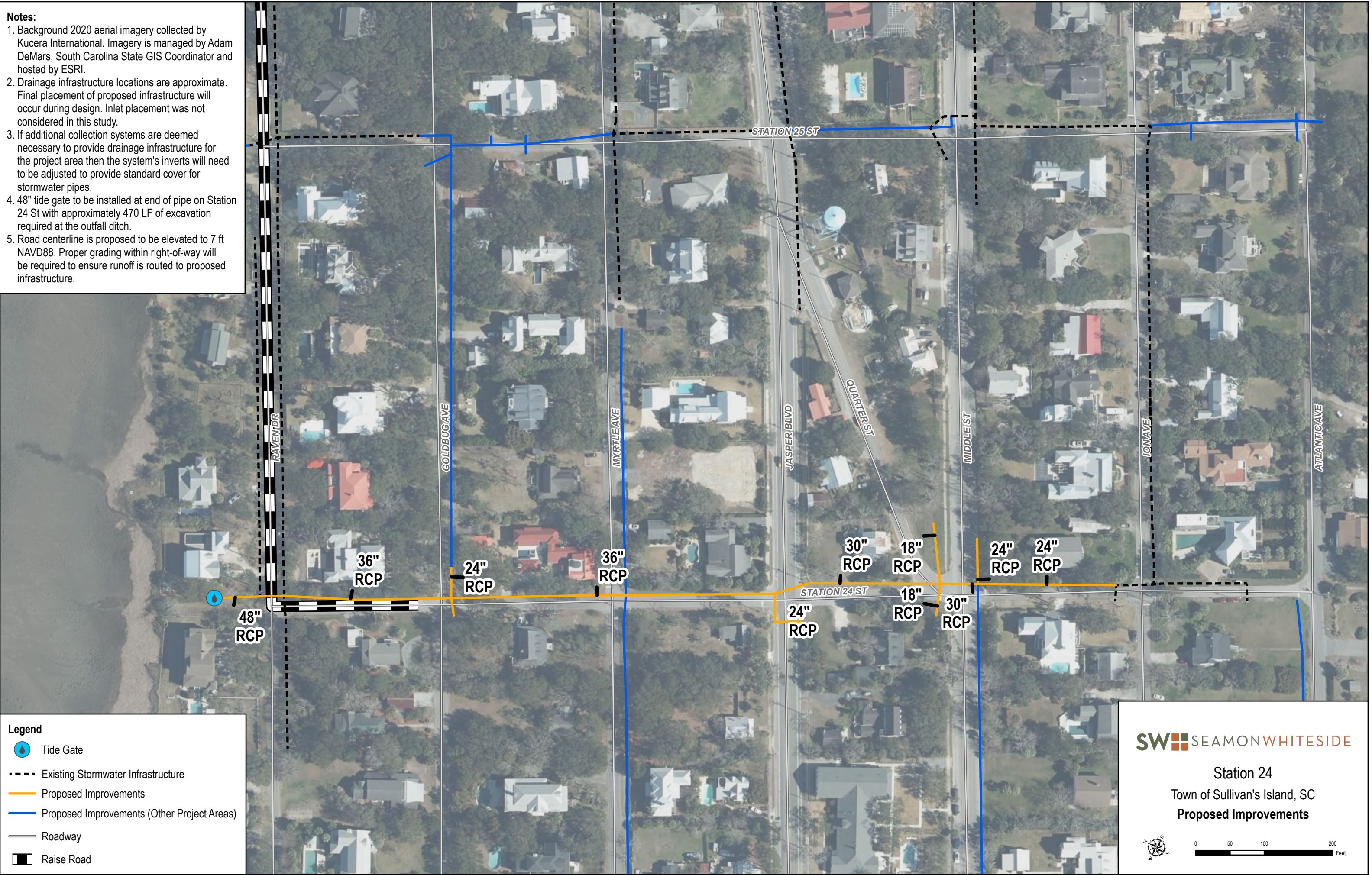
SW SEAMON WHITESIDE

Station 23
Town of Sullivan's Island, SC
Proposed Improvements



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. Final placement of proposed infrastructure will occur during design. Inlet placement was not considered in this study.
3. If additional collection systems are deemed necessary to provide drainage infrastructure for the project area then the system's inverts will need to be adjusted to provide standard cover for stormwater pipes.
4. 48" tide gate to be installed at end of pipe on Station 24 St with approximately 470 LF of excavation required at the outfall ditch.
5. Road centerline is proposed to be elevated to 7 ft NAVD88. Proper grading within right-of-way will be required to ensure runoff is routed to proposed infrastructure.

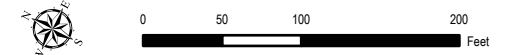


Legend

- Tide Gate
- Existing Stormwater Infrastructure
- Proposed Improvements
- Proposed Improvements (Other Project Areas)
- Roadway
- Raise Road

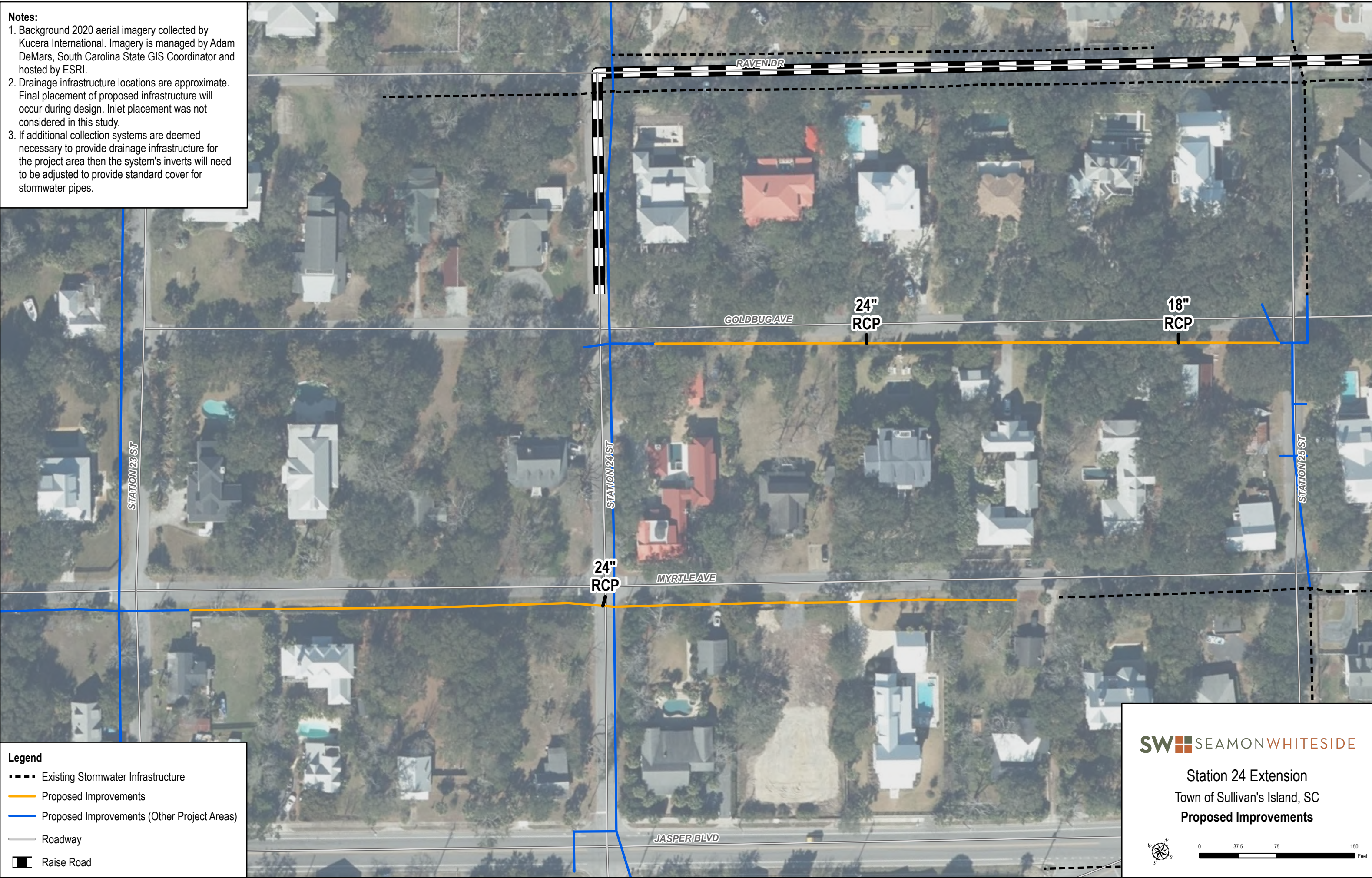
SW SEAMON WHITESIDE

Station 24
Town of Sullivan's Island, SC
Proposed Improvements



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. Final placement of proposed infrastructure will occur during design. Inlet placement was not considered in this study.
3. If additional collection systems are deemed necessary to provide drainage infrastructure for the project area then the system's inverts will need to be adjusted to provide standard cover for stormwater pipes.



Legend

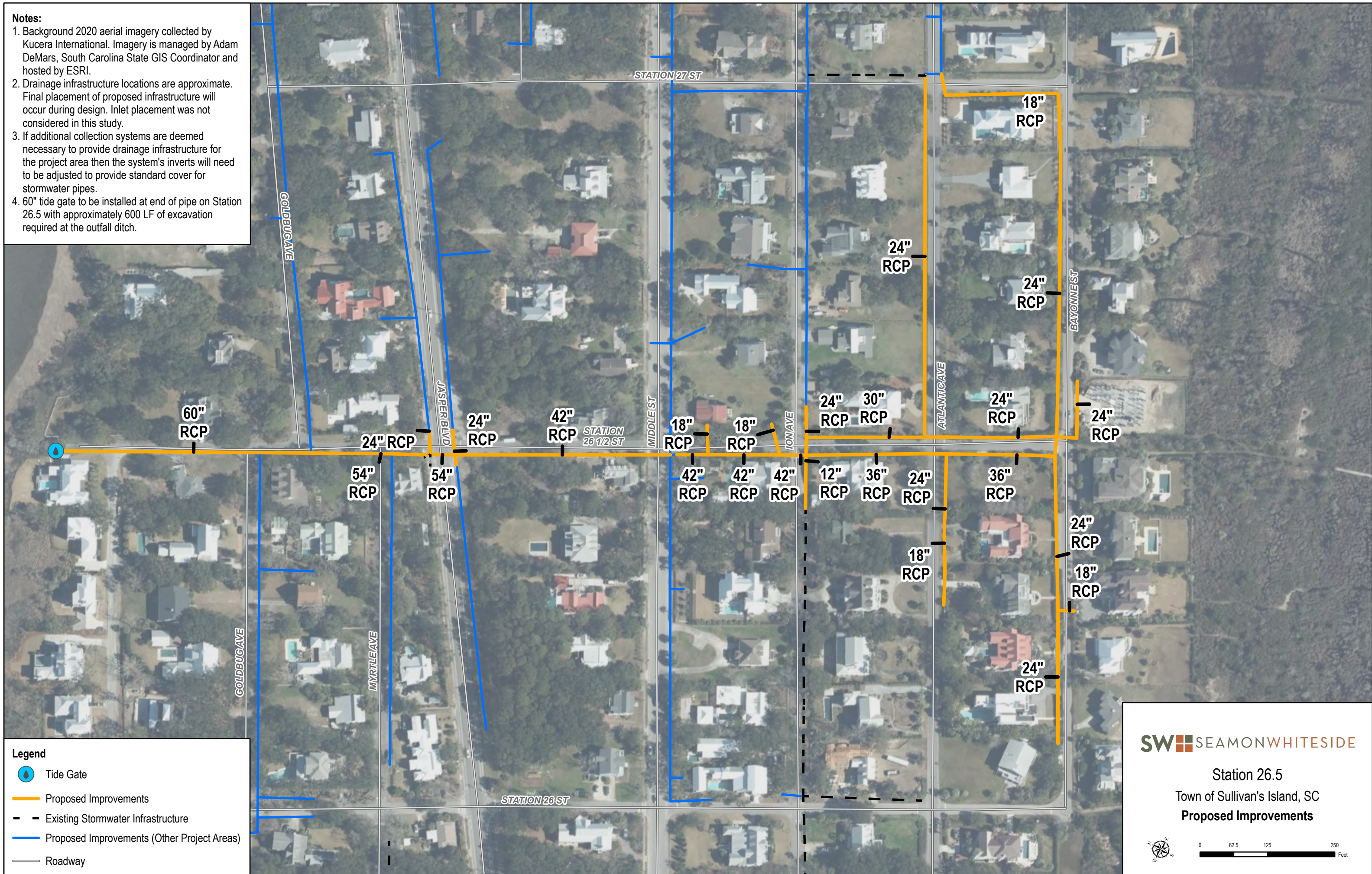
- - - Existing Stormwater Infrastructure
- Proposed Improvements
- Proposed Improvements (Other Project Areas)
- Roadway
- █ Raise Road

SW SEAMON WHITESIDE

Station 24 Extension
Town of Sullivan's Island, SC
Proposed Improvements

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. Final placement of proposed infrastructure will occur during design. Inlet placement was not considered in this study.
3. If additional collection systems are deemed necessary to provide drainage infrastructure for the project area then the system's inverts will need to be adjusted to provide standard cover for stormwater pipes.
4. 60" tide gate to be installed at end of pipe on Station 26.5 with approximately 600 LF of excavation required at the outfall ditch.



Legend

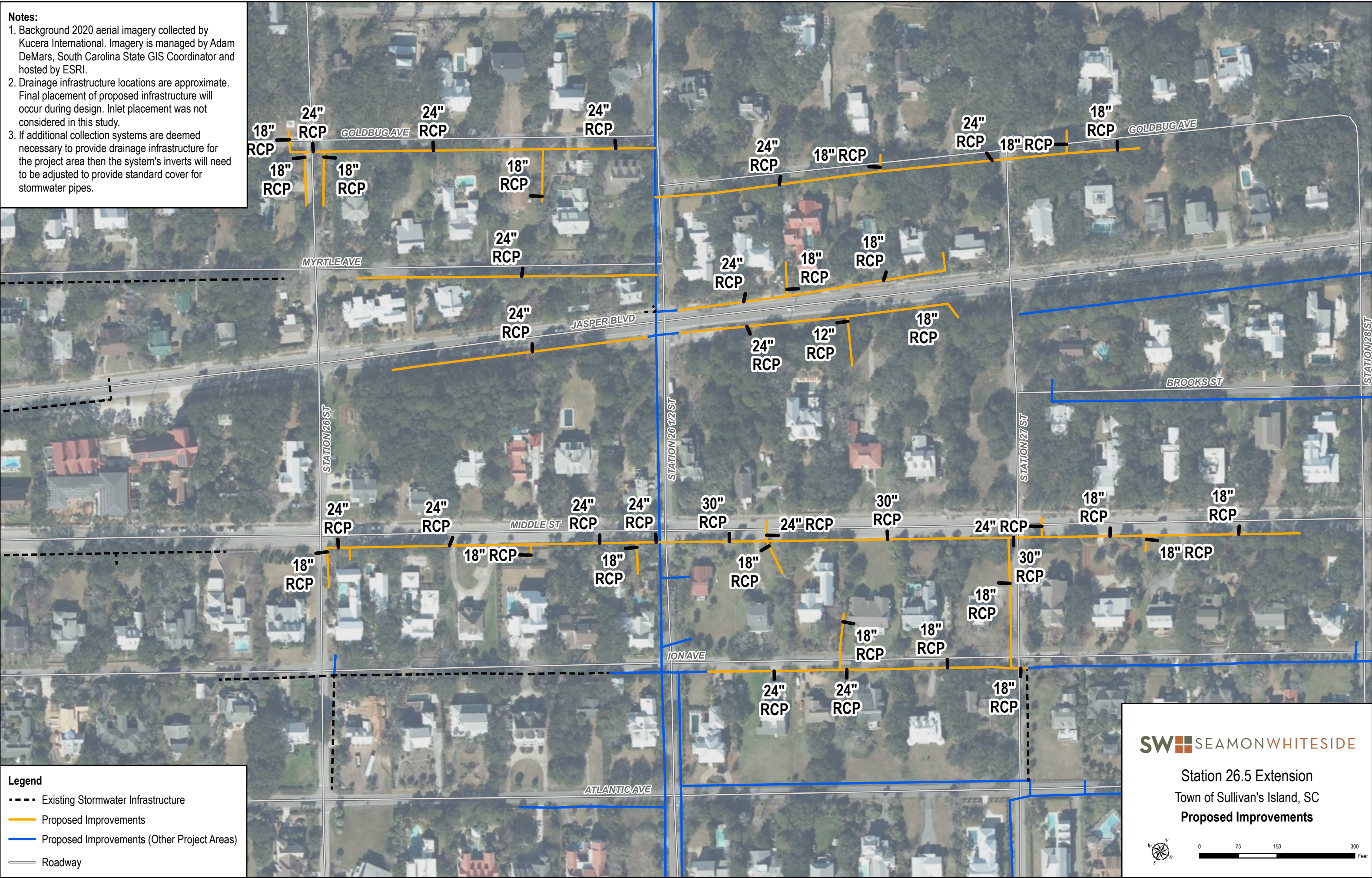
- Tide Gate
- Proposed Improvements
- Existing Stormwater Infrastructure
- Proposed Improvements (Other Project Areas)
- Roadway

SW SEAMON WHITESIDE

Station 26.5
Town of Sullivan's Island, SC
Proposed Improvements

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. Final placement of proposed infrastructure will occur during design. Inlet placement was not considered in this study.
3. If additional collection systems are deemed necessary to provide drainage infrastructure for the project area then the system's inverts will need to be adjusted to provide standard cover for stormwater pipes.



Legend

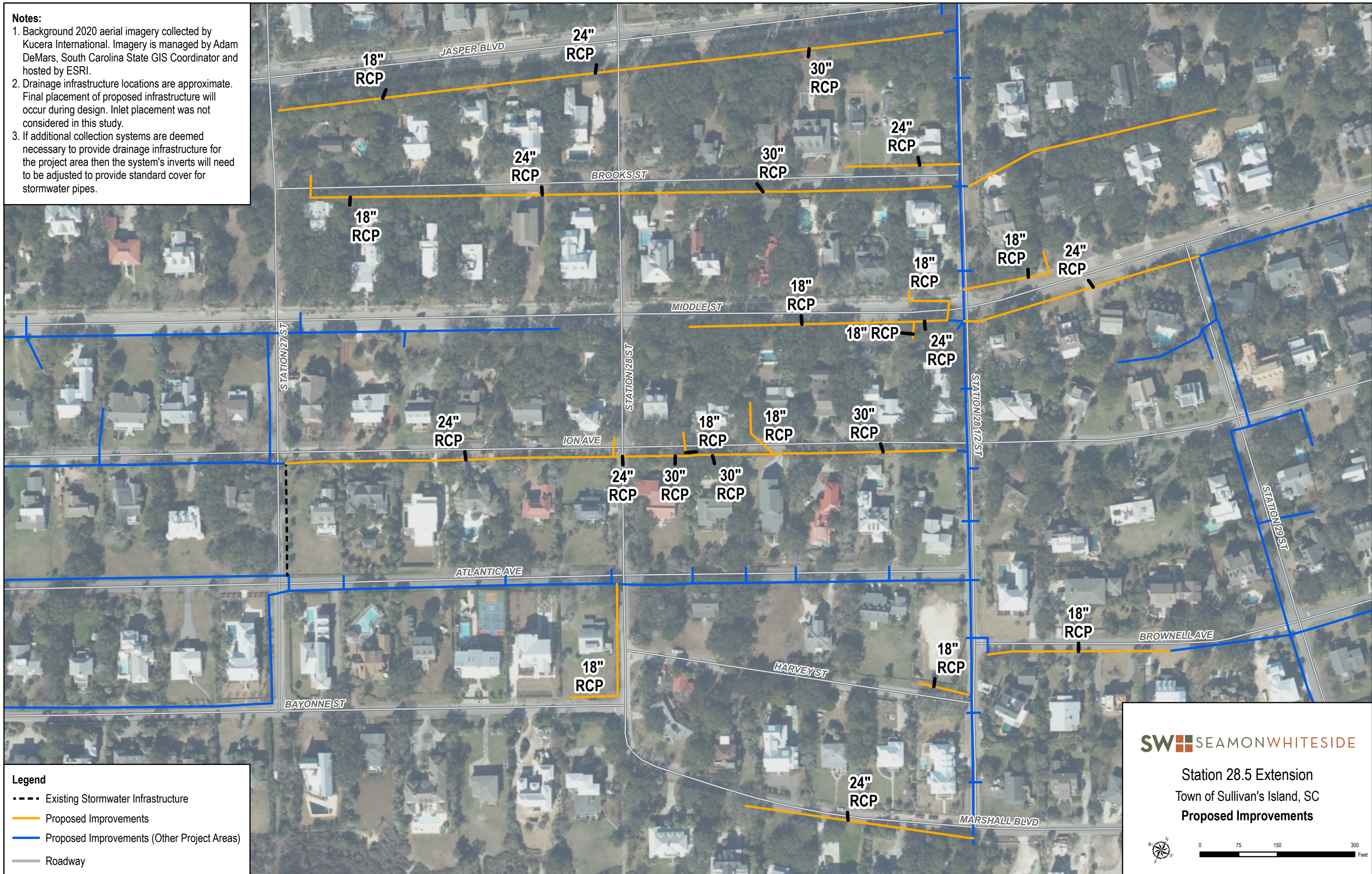
- - - Existing Stormwater Infrastructure
- Proposed Improvements
- Proposed Improvements (Other Project Areas)
- Roadway

SW SEAMON WHITESIDE

Station 26.5 Extension
Town of Sullivan's Island, SC
Proposed Improvements

0 75 150 300 Feet

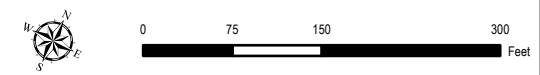
- Notes:**
1. Background 2020 aerial imagery collected by Kucera International. Imagery is managed by Adam DeMars, South Carolina State GIS Coordinator and hosted by ESRI.
 2. Drainage infrastructure locations are approximate. Final placement of proposed infrastructure will occur during design. Inlet placement was not considered in this study.
 3. If additional collection systems are deemed necessary to provide drainage infrastructure for the project area then the system's inverts will need to be adjusted to provide standard cover for stormwater pipes.



- Legend**
- - - Existing Stormwater Infrastructure
 - Proposed Improvements
 - Proposed Improvements (Other Project Areas)
 - Roadway

SW SEAMON WHITESIDE

Station 28.5 Extension
Town of Sullivan's Island, SC
Proposed Improvements



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. Final placement of proposed infrastructure will occur during design. Inlet placement was not considered in this study.
3. If additional collection systems are deemed necessary to provide drainage infrastructure for the project area then the system's inverts will need to be adjusted to provide standard cover for stormwater pipes.



Legend

- - - Existing Stormwater Infrastructure
- Proposed Improvements
- Proposed Improvements (Other Project Areas)
- Roadway

SW SEAMON WHITESIDE

Station 30 Extension
Town of Sullivan's Island, SC
Proposed Improvements

- 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. Final placement of proposed infrastructure will occur during design. Inlet placement was not considered in this study.
 3. If additional collection systems are deemed necessary to provide drainage infrastructure for the project area then the system's inverts will need to be adjusted to provide standard cover for stormwater pipes.



- Legend**
- - - Existing Stormwater Infrastructure
 - Proposed Improvements
 - Proposed Improvements (Other Project Area)
 - Roadway

SW SEAMONWHITESIDE

**Station 31 Extension
Town of Sullivan's Island, SC
Proposed Improvements**

