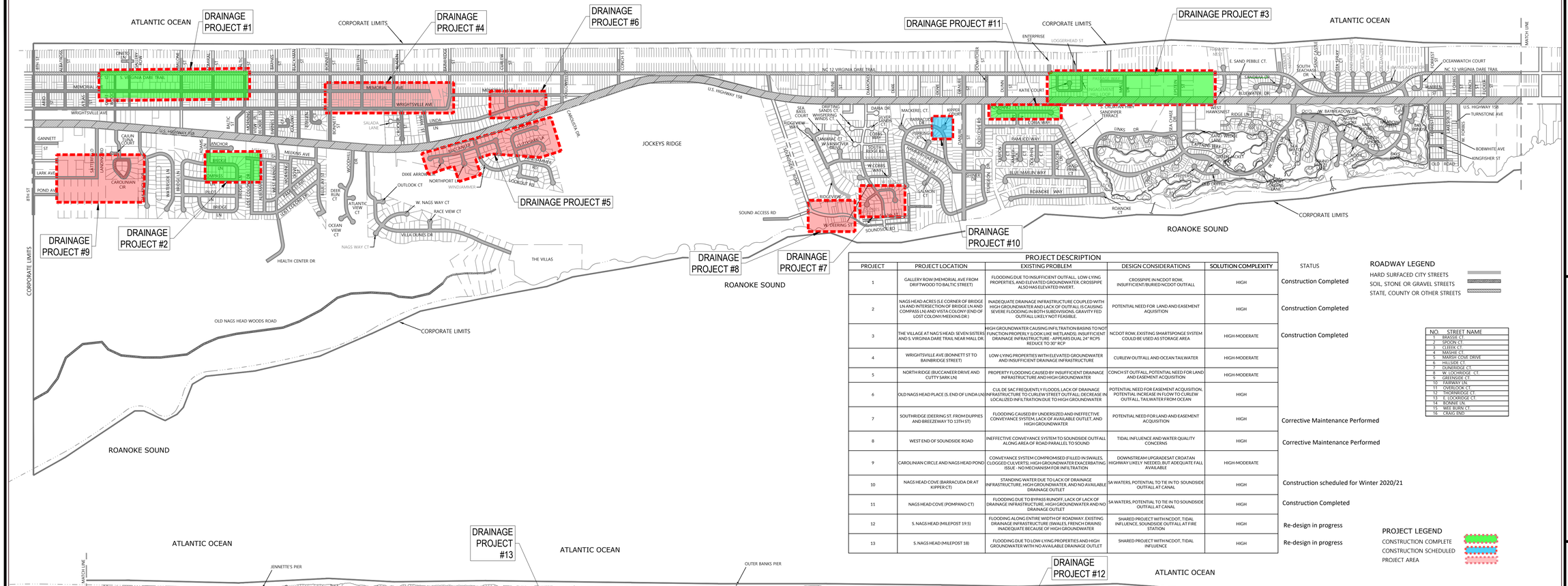
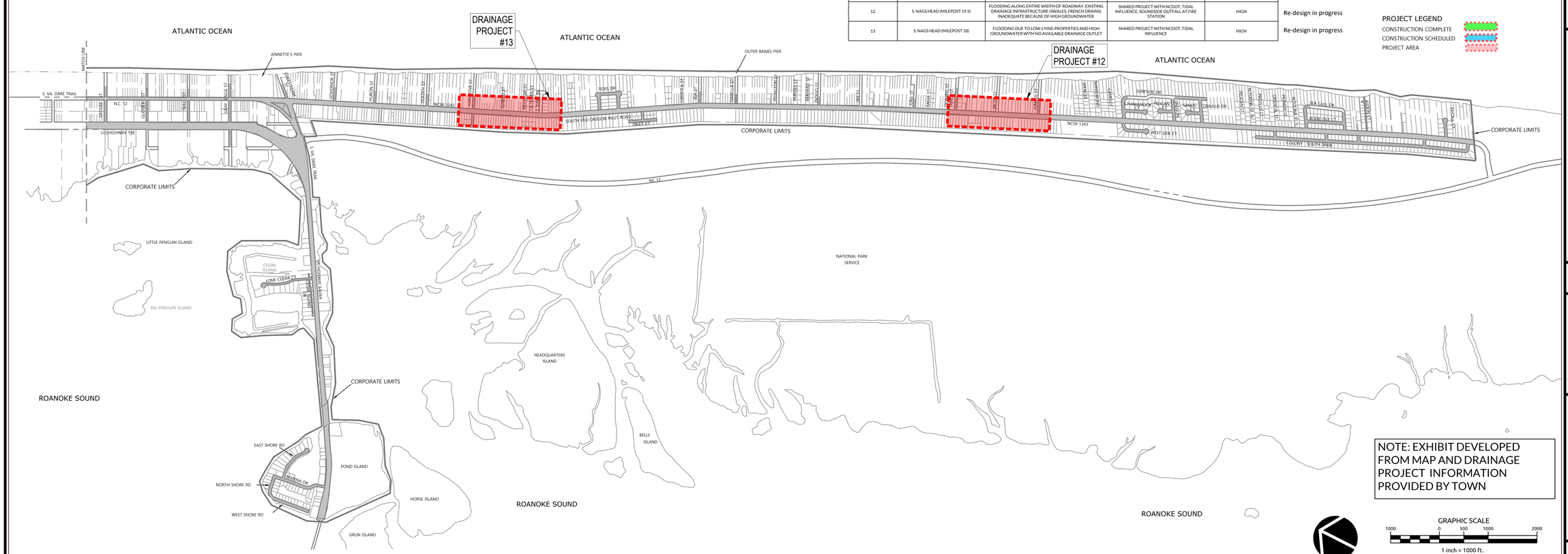


PROJECT	PROJECT LOCATION	EXISTING PROBLEM	DESIGN CONSIDERATIONS	SOLUTION COMPLEXITY	STATUS
1	GALLERY ROW (MEMORIAL AVE FROM DRIFTWOOD TO BALTIC STREET)	FLOODING DUE TO INSUFFICIENT OUTFALL. LOW-LYING PROPERTIES, AND ELEVATED GROUNDWATER. CROSSPIPE ALSO HAS ELEVATED INVERT.	CROSSPIPE IN NCDOT ROW, INSUFFICIENT/BURIED NCDOT OUTFALL	HIGH	Construction Completed
2	NAGS HEAD ACRES (S.E CORNER OF BRIDGE LN AND INTERSECTION OF BRIDGE LN AND COMPASS LN) AND VISTA COLONY (END OF LOST COLONY/MEEKINS DR.)	INADEQUATE DRAINAGE INFRASTRUCTURE COUPLED WITH HIGH GROUNDWATER AND LACK OF OUTFALL IS CAUSING SEVERE FLOODING IN BOTH SUBDIVISIONS. GRAVITY FED OUTFALL LIKELY NOT FEASIBLE.	POTENTIAL NEED FOR LAND AND EASEMENT AQUISITION	HIGH	Construction Completed
3	THE VILLAGE AT NAG'S HEAD: SEVEN SISTERS AND S. VIRGINIA DARE TRAIL NEAR MALL DR.	HIGH GROUNDWATER CAUSING INFILTRATION BASINS TO NOT FUNCTION PROPERLY (LOOK LIKE WETLANDS). INSUFFICIENT DRAINAGE INFRASTRUCTURE - APPEARS DUAL 24" RCPS REDUCE TO 30" RCP	NCDOT ROW, EXISTING SMARTSPONGE SYSTEM COULD BE USED AS STORAGE AREA	HIGH-MODERATE	Construction Completed
4	WRIGHTSVILLE AVE (BONNETT ST TO BAINBRIDGE STREET)	LOW-LYING PROPERTIES WITH ELEVATED GROUNDWATER AND INSUFFICIENT DRAINAGE INFRASTRUCTURE	CURLEW OUTFALL AND OCEAN TAILWATER	HIGH-MODERATE	
5	NORTH RIDGE (BUCCANEER DRIVE AND CUTTY SARK LN)	PROPERTY FLOODING CAUSED BY INSUFFICIENT DRAINAGE INFRASTRUCTURE AND HIGH GROUNDWATER	CONCH ST OUTFALL, POTENTIAL NEED FOR LAND AND EASEMENT ACQUISITION	HIGH-MODERATE	
6	OLD NAGS HEAD PLACE (S. END OF LINDA LN)	CUL DE SAC FREQUENTLY FLOODS, LACK OF DRAINAGE INFRASTRUCTURE TO CURLEW STREET OUTFALL. DECREASE IN LOCALIZED INFILTRATION DUE TO HIGH GROUNDWATER	POTENTIAL NEED FOR EASEMENT ACQUISITION, POTENTIAL INCREASE IN FLOW TO CURLEW OUTFALL, TAILWATER FROM OCEAN	HIGH	
7	SOUTHRIDGE (DEERING ST. FROM DUPPIES AND BREEZEWAY TO 13TH ST)	FLOODING CAUSED BY UNDERSIZED AND INEFFECTIVE CONVEYANCE SYSTEM, LACK OF AVAILABLE OUTLET, AND HIGH GROUNDWATER	POTENTIAL NEED FOR LAND AND EASEMENT ACQUISITION	HIGH	Corrective Maintenance Performed
8	WEST END OF SOUNDSIDE ROAD	INEFFECTIVE CONVEYANCE SYSTEM TO SOUNDSIDE OUTFALL ALONG AREA OF ROAD PARALLEL TO SOUND	TIDAL INFLUENCE AND WATER QUALITY CONCERNS	HIGH	Corrective Maintenance Performed
9	CAROLINIAN CIRCLE AND NAGS HEAD POND	CONVEYANCE SYSTEM COMPROMISED (FILLED IN SWALES, CLOGGED CULVERTS), HIGH GROUNDWATER EXACERBATING ISSUE - NO MECHANISM FOR INFILTRATION	DOWNSTREAM UPGRADES AT CROATAN HIGHWAY LIKELY NEEDED, BUT ADEQUATE FALL AVAILABLE	HIGH-MODERATE	
10	NAGS HEAD COVE (BARRACUDA DR AT KIPPER CT)	STANDING WATER DUE TO LACK OF DRAINAGE INFRASTRUCTURE, HIGH GROUNDWATER, AND NO AVAILABLE DRAINAGE OUTLET	SA WATERS, POTENTIAL TO TIE IN TO SOUNDSIDE OUTFALL AT CANAL	HIGH	Construction scheduled for Winter 2020/21
11	NAGS HEAD COVE (POMPANO CT)	FLOODING DUE TO BYPASS RUNOFF, LACK OF LACK OF DRAINAGE INFRASTRUCTURE, HIGH GROUNDWATER AND NO DRAINAGE OUTLET	SA WATERS, POTENTIAL TO TIE IN TO SOUNDSIDE OUTFALL AT CANAL	HIGH	Construction Completed
12	S. NAGS HEAD (MILEPOST 19.5)	FLOODING ALONG ENTIRE WIDTH OF ROADWAY. EXISTING DRAINAGE INFRASTRUCTURE (SWALES, FRENCH DRAINS) INADEQUATE BECAUSE OF HIGH GROUNDWATER	SHARED PROJECT WITH NCDOT, TIDAL INFLUENCE, SOUNDSIDE OUTFALL AT FIRE STATION	HIGH	Re-design in progress
13	S. NAGS HEAD (MILEPOST 18)	FLOODING DUE TO LOW-LYING PROPERTIES AND HIGH GROUNDWATER WITH NO AVAILABLE DRAINAGE OUTLET	SHARED PROJECT WITH NCDOT, TIDAL INFLUENCE	HIGH	Re-design in progress

ROADWAY LEGEND
- HARD SURFACED CITY STREETS
- SOIL, STONE OR GRAVEL STREETS
- STATE, COUNTY OR OTHER STREETS

NO.	STREET NAME
1	BRASSIE CT.
2	SPOON CT.
3	CLEEK CT.
4	MASHIE CT.
5	MARSH COVE DRIVE
6	HILLSIDE CT.
7	DUNERIDGE CT.
8	W. LOCHRIDGE CT.
9	GREENSIDE CT.
10	FAIRWAY LN.
11	OVERLOOK CT.
12	THORNRIDGE CT.
13	E. LOCKRIDGE CT.
14	BONNIE LN.
15	WEE BURN CT.
16	CRAIG END

PROJECT LEGEND
- CONSTRUCTION COMPLETE
- CONSTRUCTION SCHEDULED
- PROJECT AREA



NOTE: EXHIBIT DEVELOPED FROM MAP AND DRAINAGE PROJECT INFORMATION PROVIDED BY TOWN

GRAPHIC SCALE
1000 0 500 1000 2000
1 inch = 1000 ft.

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NAGS HEAD STORMWATER MASTER PLAN PHASE 2

NAGS HEAD, NC

OVERALL MAP OF PRIORITIZED DRAINAGE PROJECTS

Job No.	02160539.10	Drawn By	WR
Date	1/29/18	Designer	WR

NORTH CAROLINA PROFESSIONAL SEAL 028942 ENGINEER HUNTER C. FREEMAN

Revisions

Sheet No.
1

K:\16\16-0539\160539-10-Nags Head SW Master Plan\CAD\Exhibits\OverallMap_WR.dwg Thursday, January 25, 2018 4:00:20 PM BRABOWELL, ALESSANDRA SAKOLEK