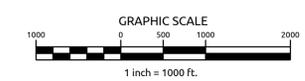


PROJECT	PROJECT LOCATION	PROJECT DESCRIPTION	EXISTING PROBLEM	DESIGN CONSIDERATIONS	SOLUTION COMPLEXITY
1	GALLERY ROW (MEMORIAL AVE FROM DRIFTWOOD TO BALTIC STREET)	FLOODING DUE TO INSUFFICIENT OUTFALL. LOW LYING PROPERTIES AND ELEVATED GROUNDWATER CROSSPIPE ALSO HAS ELEVATED INVERT.	CROSSPIPE IN NC DOT ROW. INSUFFICIENT BURIED NC DOT OUTFALL	POTENTIAL NEED FOR LAND AND EASEMENT ACQUISITION	HIGH
2	NAGS HEAD ACRES (SE 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 ACQUISITION	HIGH	
3	THE VILLAGE AT NAGS HEAD (SEVEN SISTERS) AND S. VIRGINIA DARE TRAIL NEAR MAIL DR	HIGH GROUNDWATER CAUSING INFILTRATION BASINS TO NOT FUNCTION PROPERLY. LOOK LIKE WETLANDS. INSUFFICIENT DRAINAGE INFRASTRUCTURE. APPEARANCE OF POPS REDUCE TO 30" RCP	NC DOT ROW. EXISTING SMARTSPONGE SYSTEM COULD BE USED AS STORAGE AREA.	HIGH-MODERATE	
4	WRIGHTSVILLE AVE (BONNETT ST TO BANBRIDGE 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 INCREASE 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 DUPPES AND BRIDGEWAY 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	
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	
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	
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	
12	S. NAGS HEAD (MILEPOST 19.5)	FLOODING ALONG ENTIRE WIDTH OF ROADWAY. EXISTING DRAINAGE INFRASTRUCTURE DOWNS. FRENCH DRAINS INADEQUATE BECAUSE OF HIGH GROUNDWATER	SHARED PROJECT WITH NC DOT. TIDAL INFLUENCE. SOUNDSIDE OUTFALL AT FIRE STATION	HIGH	
13	S. NAGS HEAD (MILEPOST 18)	FLOODING DUE TO LOW LYING PROPERTIES AND HIGH GROUNDWATER WITH NO AVAILABLE DRAINAGE OUTLET	SHARED PROJECT WITH NC DOT. TIDAL INFLUENCE	HIGH	

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

NO.	STREET NAME
1	BRASS CT
2	SHOON CT
3	CUTLER CT
4	MASH CT
5	MARSH CREEK BRIDGE
6	HILLISER CT
7	DUNFORD CT
8	W. LOCKHEDGE CT
9	GREENSBORO CT
10	PARWAY LN
11	OVERLOOK CT
12	THUNDERBOLT CT
13	LOCKRIDGE CT
14	BONNETT CT
15	WILBURN CT
16	CRACK END

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



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



Revisions


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