

**PROJECT OVERVIEW:**

**RE-ESTABLISH AND STABILIZE UP TO 1300 LF OF SHORELINE OF SUNSET LAKE. THE SHORELINE WILL BE RE-ESTABLISHED WITH DREDGED MATERIAL FROM THE SEDIMENT BAR THAT HAS DEVELOPED AT A TRIBUTARY TO SUNSET LAKE. A FLOATING HYDRAULIC DREDGE WILL BE USED TO CONVEY MATERIAL FROM THE SEDIMENT BAR TO THE SHORELINE. GEOTEXTILE STABILIZATION, SYSTEM, DREDGED SEDIMENT AND ADDITIONAL NATIVE VEGETATION WILL BE USED TO RE-ESTABLISH THE ORIGINAL SHORELINE THAT HAS BEEN ERODED AWAY AND IS NOW INUNDATED.**

**OWNER CONTACTS:**

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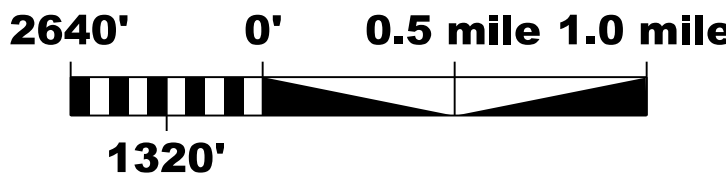
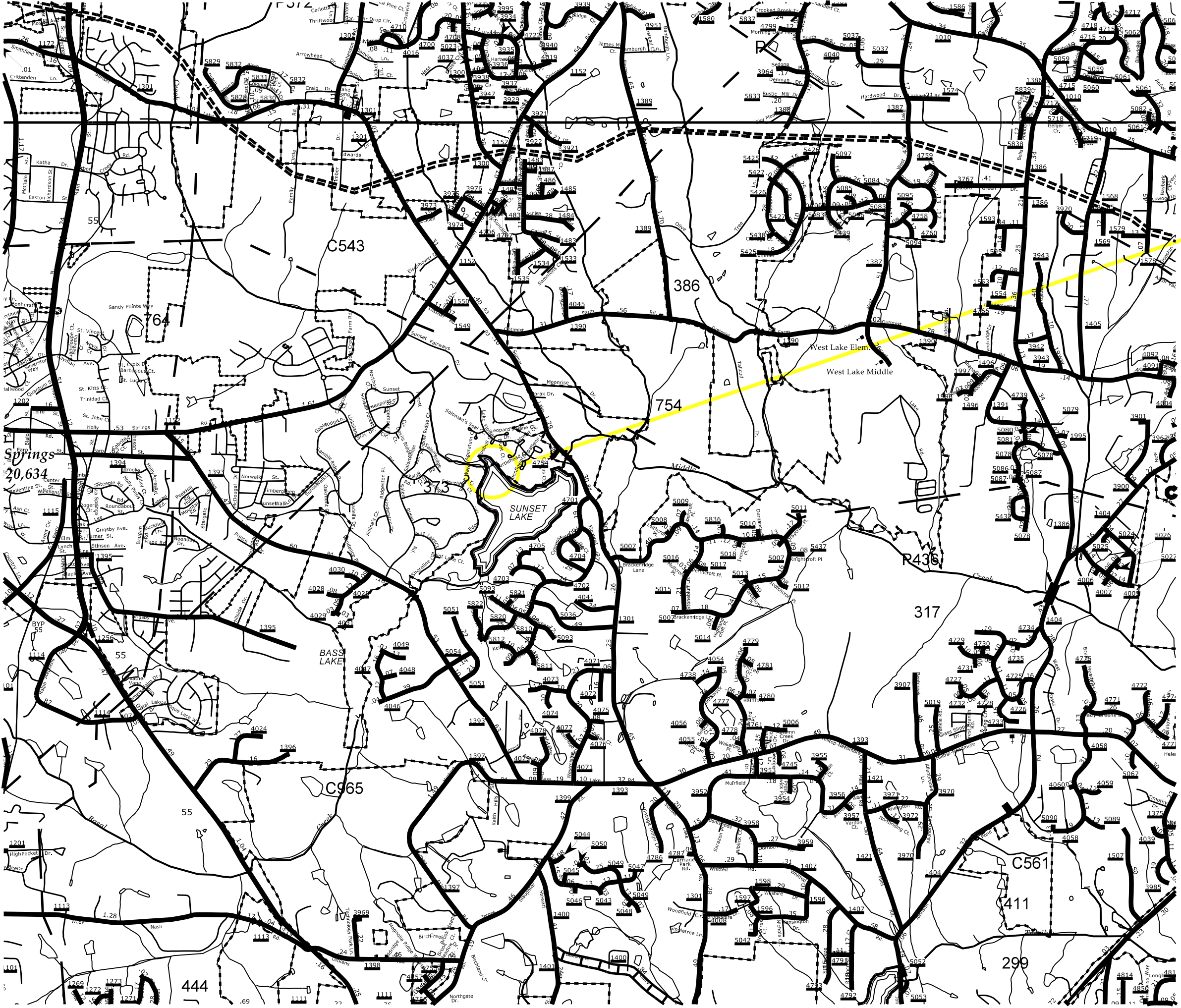
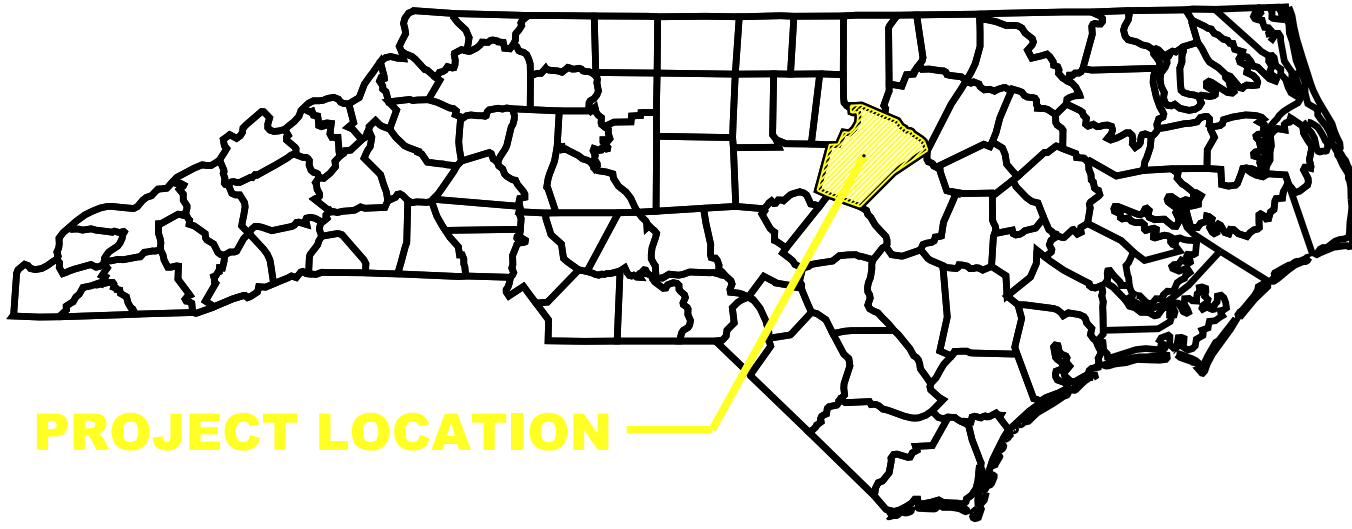
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**SUNSET LAKE HOME OWNERS ASSOCIATION (HOA)  
SEDIMENT REMOVAL / BANK (SHORELINE)  
RESTORATION PROJECT**

**5564 SUNSET LAKE ROAD  
HOLLY SPRINGS, NC 27540**

**WAKE COUNTY  
NORTH CAROLINA**

**JUNE 2019  
REVISED DECEMBER 2019  
REVISED JUNE 2020**



**SCHEDULE OF DRAWINGS:**

**COVER SHEET  
PROJECT NOTES  
PLAN SHEET - 2  
SITE CONSTRUCTION DETAILS**

**PROJECT NO.: 17000261.02**





**1. ALL WORK AND EQUIPMENT IS TO REMAIN WITHIN THE SUNSET LAKE HOA COMMON PROPERTY, ACCESS EASEMENT OR UTILITY EASEMENTS.**

**3. FILL PLACEMENT AND OVERALL WORK SHALL BE IN ACCORDANCE WITH THE PROVISION OF A USACOE NATION WIDE PERMIT (NWP) 13.**



**5. PROJECT NOTIFICATION WAS PROVIDED TO THE TOWN OF HOLLY SPRINGS FOR APPROVAL BY THE FLOODPLAIN ADMINISTRATOR FOR COMPLIANCE WITH THE FLOODPLAIN ORDINANCE, DRAINAGE ORDINANCE AND RIPARIAN REQUIREMENTS. A CONSTRUCTION PERMIT IS TO BE SUBMITTED ONCE FINAL SCOPE AND CONTRACTOR IS SELECTED.**

**8. AN INDEPENDENT TOPOGRAPHIC SURVEY OF KEY ELEVATIONS AND DELINEATED WETLANDS WAS COMPLETED IN OCTOBER 2019. THE DISPLAYED TOPOGRAPHIC CONTOURS ARE BASED ON THIS TOPOGRAPHIC SURVEY**

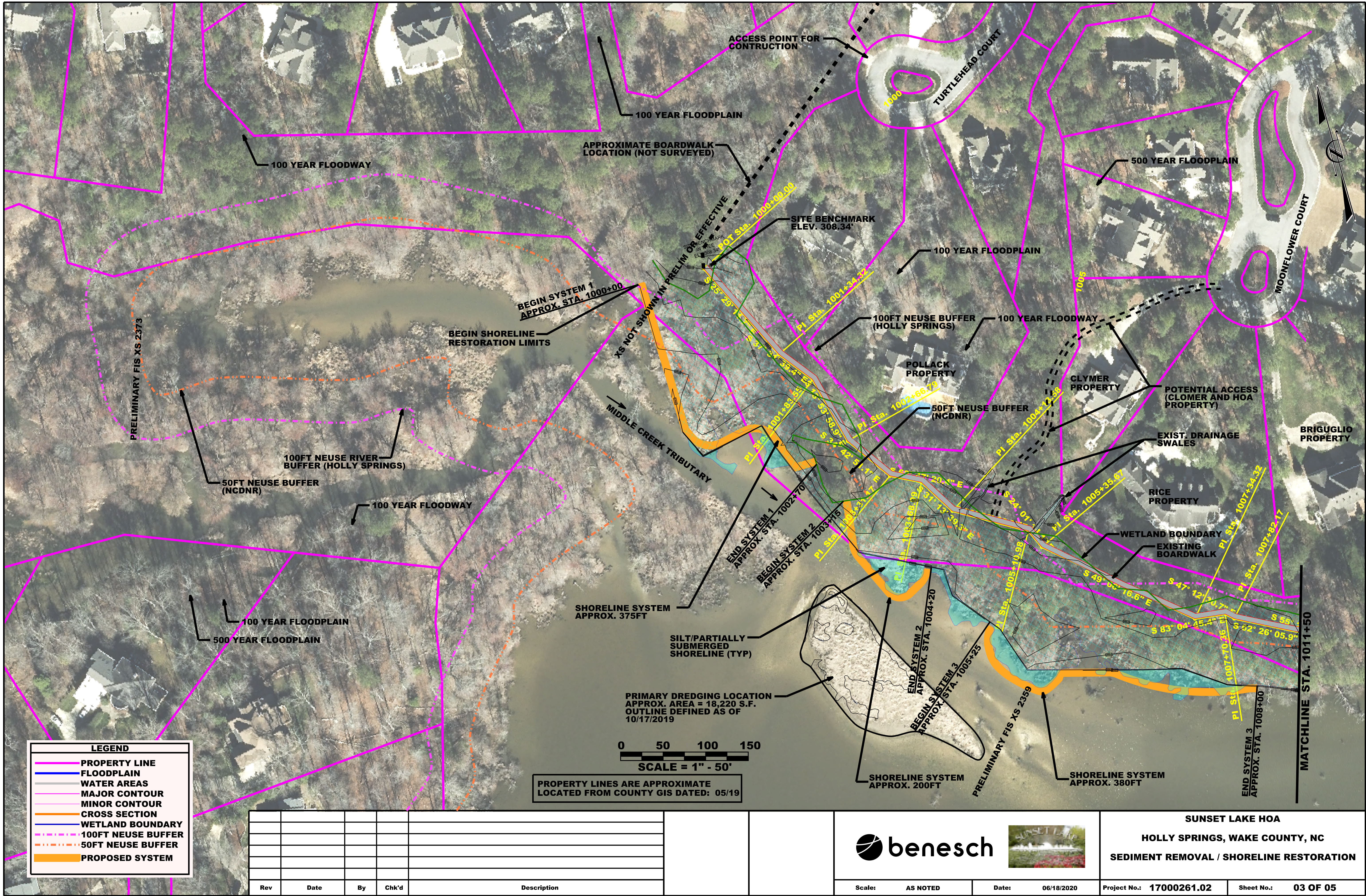
**10. THE FLOODPLAIN AND FLOODWAY LOCATIONS HAVE BEEN ATTAINED THROUGH NC ONE MAP (GIS DATA).**

## CONSTRUCTION SEQUENCE

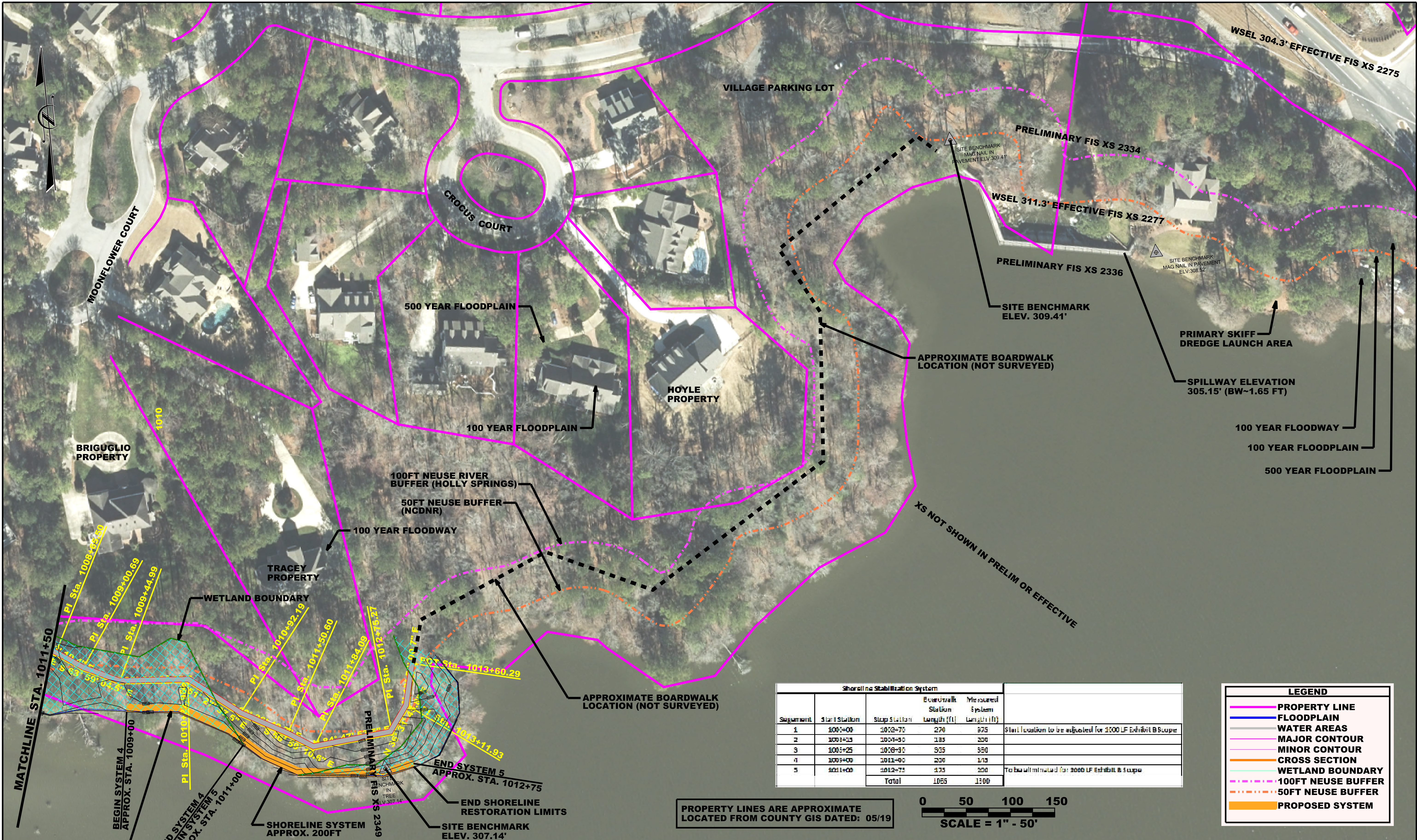
**7. HOA WILL CONTINUALLY MONITOR GEOTEXTILE SYSTEM AND AREAS BEHIND THE SYSTEM TO ENSURE PLANTED VEGETATION IS IN GOOD HEALTH UNTIL PERMANENTLY ESTABLISHED. INSPECTIONS SHOULD OCCUR ON A WEEKLY BASIS OR AFTER EACH RAIN FALL, BY THE HOA FOR ONE GROWING SEASON. IN THE EVENT ANY VEGETATION DIES OR IS DISTURBED, AN ON-CALL CONTRACTOR/LANDSCAPER SHOULD BE NOTIFIED TO IMMEDIATELY REPLACE THE VEGETATION.**

							<div><div></div><div></div></div>	<div>SUNSET LAKE HOA</div> <div>HOLLY SPRINGS, WAKE COUNTY, NC</div> <div>SEDIMENT REMOVAL / SHORELINE RESTORATION</div>		
Rev	Date	By	Chk'd	Description			<div>Scale:AS NOTED</div>	<div>Date:06/18/2020</div>	<div>Project No.:17000261.02</div>	<div>Sheet No.:02 OF 05</div>





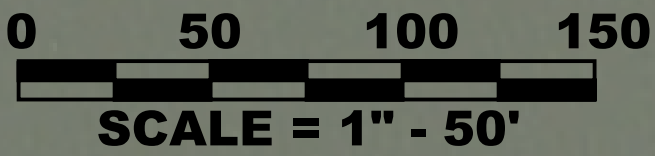




Shoreline Stabilization System					
Segment	Start Station	Stop Station	Boardwalk Station Length (ft)	Measured System Length (ft)	
1	1009+00	1009+75	270	875	Stationization to be adjusted for 3000 LF Exhibit B Scope
2	1009+75	1009+90	15	200	
3	1009+25	1009+90	65	550	
4	1009+00	1011+00	200	175	To be adjusted for 3000 LF Exhibit B Scope
5	1011+00	1012+75	175	200	
Total			1065	1300	

LEGEND	
	PROPERTY LINE
	FLOODPLAIN
	WATER AREAS
	MAJOR CONTOUR
	MINOR CONTOUR
	CROSS SECTION
	WETLAND BOUNDARY
	100FT NEUSE BUFFER
	50FT NEUSE BUFFER
	PROPOSED SYSTEM

PROPERTY LINES ARE APPROXIMATE  
LOCATED FROM COUNTY GIS DATED: 05/19



Rev	Date	By	Chk'd	Description



**SUNSET LAKE HOA**

**HOLLY SPRINGS, WAKE COUNTY, NC**

**SEDIMENT REMOVAL / SHORELINE RESTORATION**

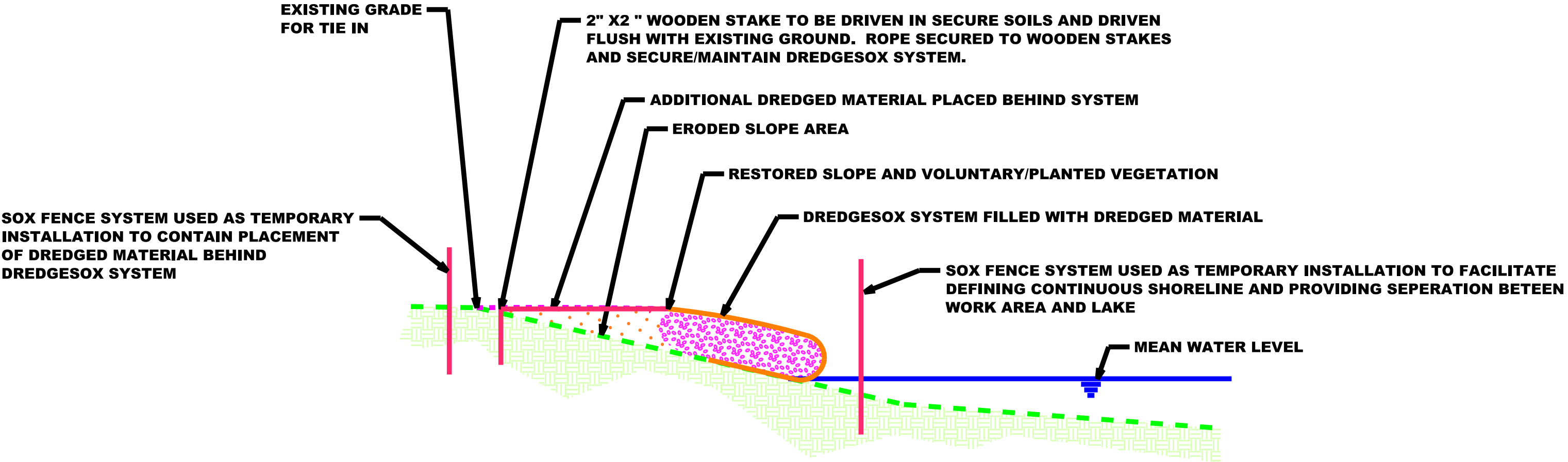
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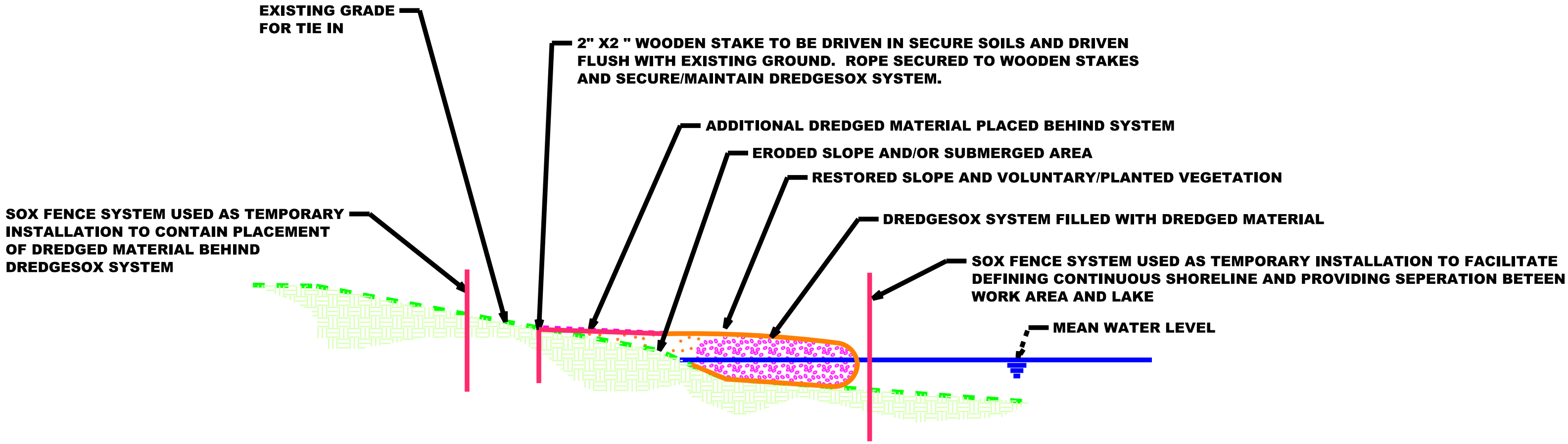
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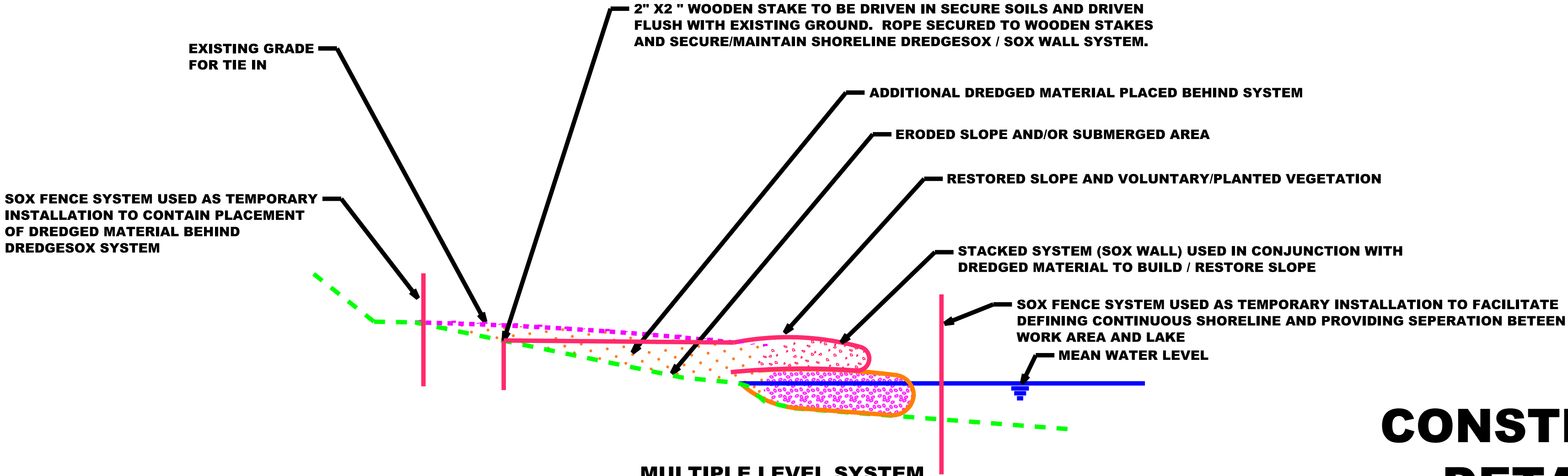




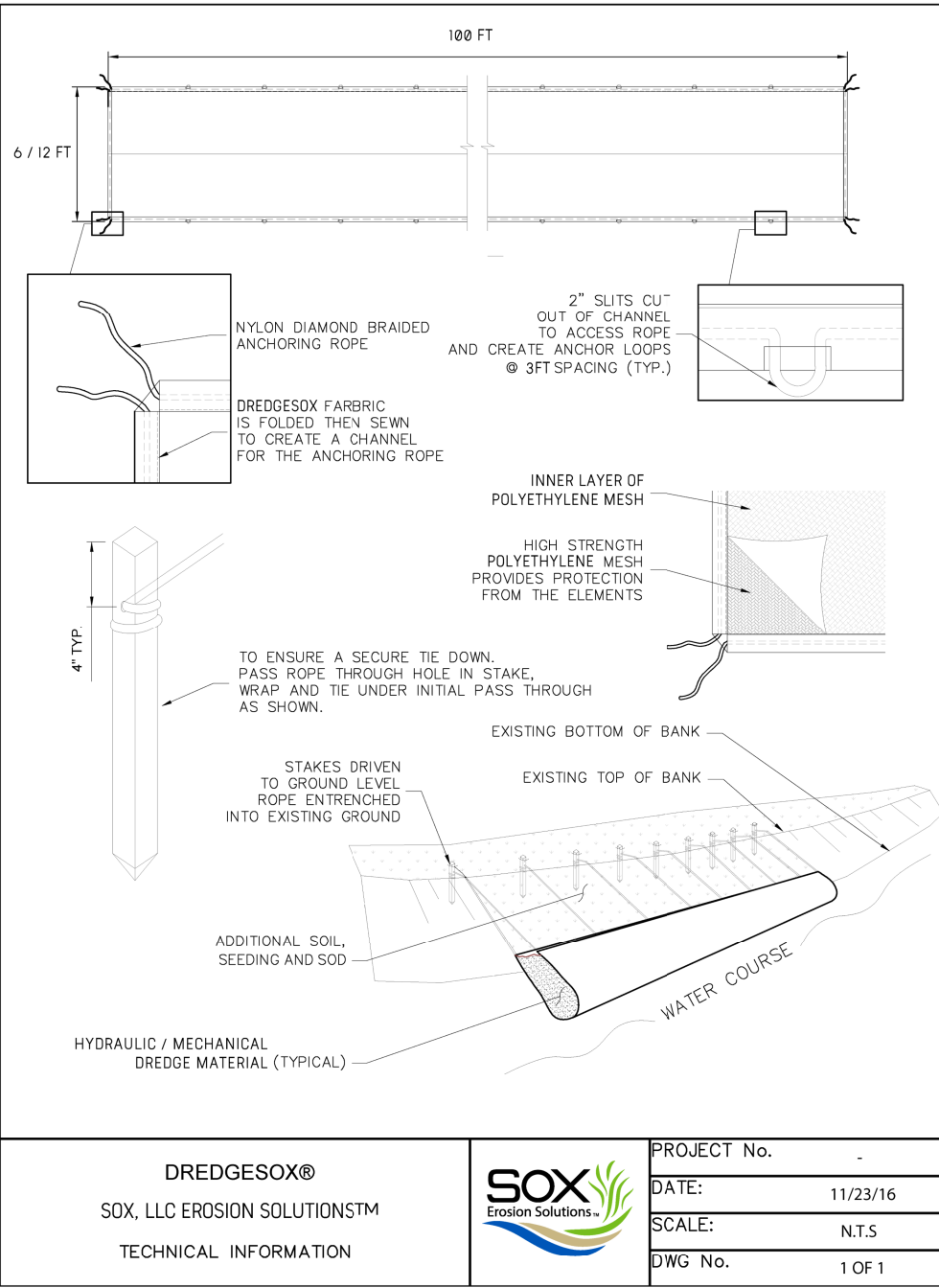
**GENERAL SYSTEM APPLICATION - ON SHORELINE**  
(MANUFACTURER DETAILS FOR DREDGESOX AND SOXFENCE TO BE USED)



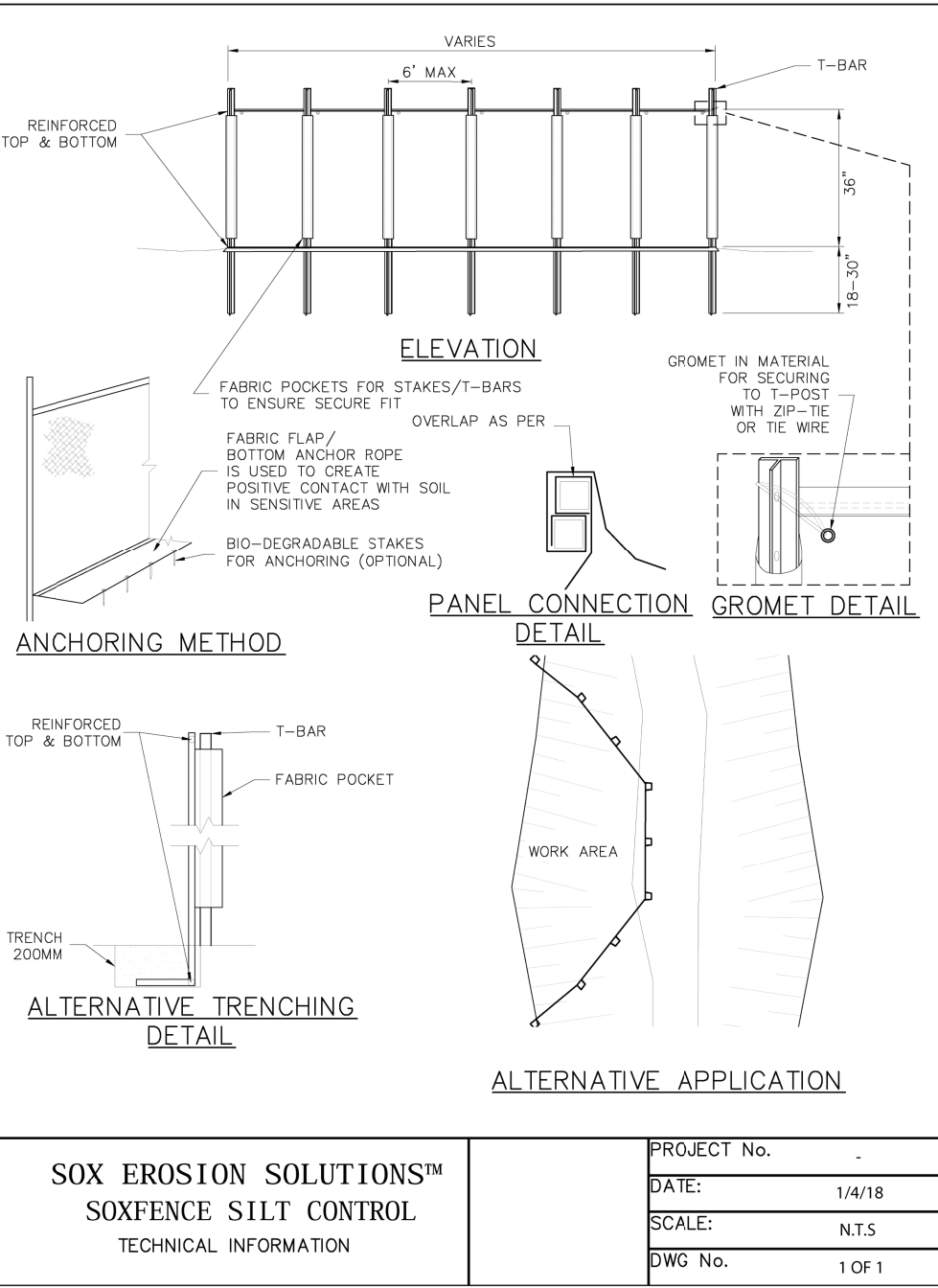
**GENERAL SYSTEM INSTALLATION - PARTIALLY SUBMERGED**  
(MANUFACTURER DETAILS FOR DREDGESOX AND SOXFENCE TO BE USED)



**MULTIPLE LEVEL SYSTEM**  
(ANTICIPATE A SECTION UP TO 100 LF 3 WILL UTILIZED WITH A TWO ROW SYSTEM -  
SPECIFIC DETAILS OF SOX WALL WOULD BE USED FOR THE INSTALLATION).  
MANUFACTURER DETAILS FOR DREDGESOX AND SOXFENCE ALSO TO BE USED



**DREDGE SOX**



**SOX FENCE**

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**SUNSET LAKE HOA**  
**HOLLY SPRINGS, WAKE COUNTY, NC**  
**SEDIMENT REMOVAL / SHORELINE RESTORATION**