

VICINITY MAP

**CONSTRUCTION SCHEDULE**

- OBTAIN PLAN APPROVALS AND ALL APPLICABLE PERMITS.
- FLAG LIMITS OF ROUGH GRADING FOR BUILDING SITE, PARKING LOTS AND ESTABLISH GRADE LIMITS AS NEEDED.
- CONTACT LAND QUALITY SECTION AT 252-946-6481 AND THEN HOLD PRE-CONSTRUCTION MEETING WITH GRADING CONTRACTOR, EROSION CONTROL ADMINISTRATOR, PROJECT ENGINEER AND OWNER BEFORE WORK BEGINS.
- INSTALL TEMPORARY GRAVEL CONSTRUCTION ENTRANCE.
- INSTALL THE PERIMETER SEDIMENT FENCES AS THE FIRST CONSTRUCTION ACTIVITY CLEAR ENOUGH TO INSTALL SILT FENCE, WET DETENTION POND AND DIVERSION SWALES.
- INSTALL TEMPORARY SEDIMENT BASINS AND DIVERSION SWALES.
- REMOVE, TO APPROVED OFFSITE LOCATION, DEBRIS, TRASH, ETC., TO THE DESIGNATED AREA.
- PROVIDE A GROUND COVER (TEMPORARY OR PERMANENT) ON EXPOSED SLOPES 1:4 CALENDAR DAYS FOLLOWING COMPLETION OF ANY PHASE OF GRADING FOR SLOPES 3:1 OR FLATTER INCLUDING ALL OTHER SLOPES 4:1 OR FLATTER. PROVIDE A GROUND COVER (TEMPORARY OR PERMANENT) ON EXPOSED SLOPES WITHIN 7 CALENDAR DAYS FOLLOWING COMPLETION OF ANY PHASE OF GRADING FOR SLOPES 3:1 OR STEEPER INCLUDING ALL PERMANENT DIKES, SWALES, DITCHES AND DISTURBANCES WITHIN HIGH QUALITY WATER (HOWQ) ZONES.
- ADDITIONAL EROSION AND SEDIMENTATION CONTROL MEASURES MAY BE REQUIRED BY THE STATE OR OWNER IF DEEMED NECESSARY.
- AFTER SITE IS STABILIZED, REMOVE ALL TEMPORARY MEASURES, FINE GRADE DISTURBED AREAS, AND INSTALL PERMANENT VEGETATION ON THE DISTURBED AREAS.
- MAINTAIN PERMANENT VEGETATION BY TOP DRESSING WITH 700 LBS PER ACRE OF FERTILIZER EVERY 6 MONTHS UNTIL THE COMPLETION OF THE PROJECT.
- WITHIN 6" OF FINAL GRADE, RE-DISTRIBUTE 6" OF TOP SOIL.
- FINE GRADE, PERMANENTLY SEED AND MULCH ALL DISTURBED AREAS.
- REMOVE ALL REMAINING TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES UPON COMPLETION AND STABILIZATION OF PROJECT.

**MAINTENANCE PLAN**

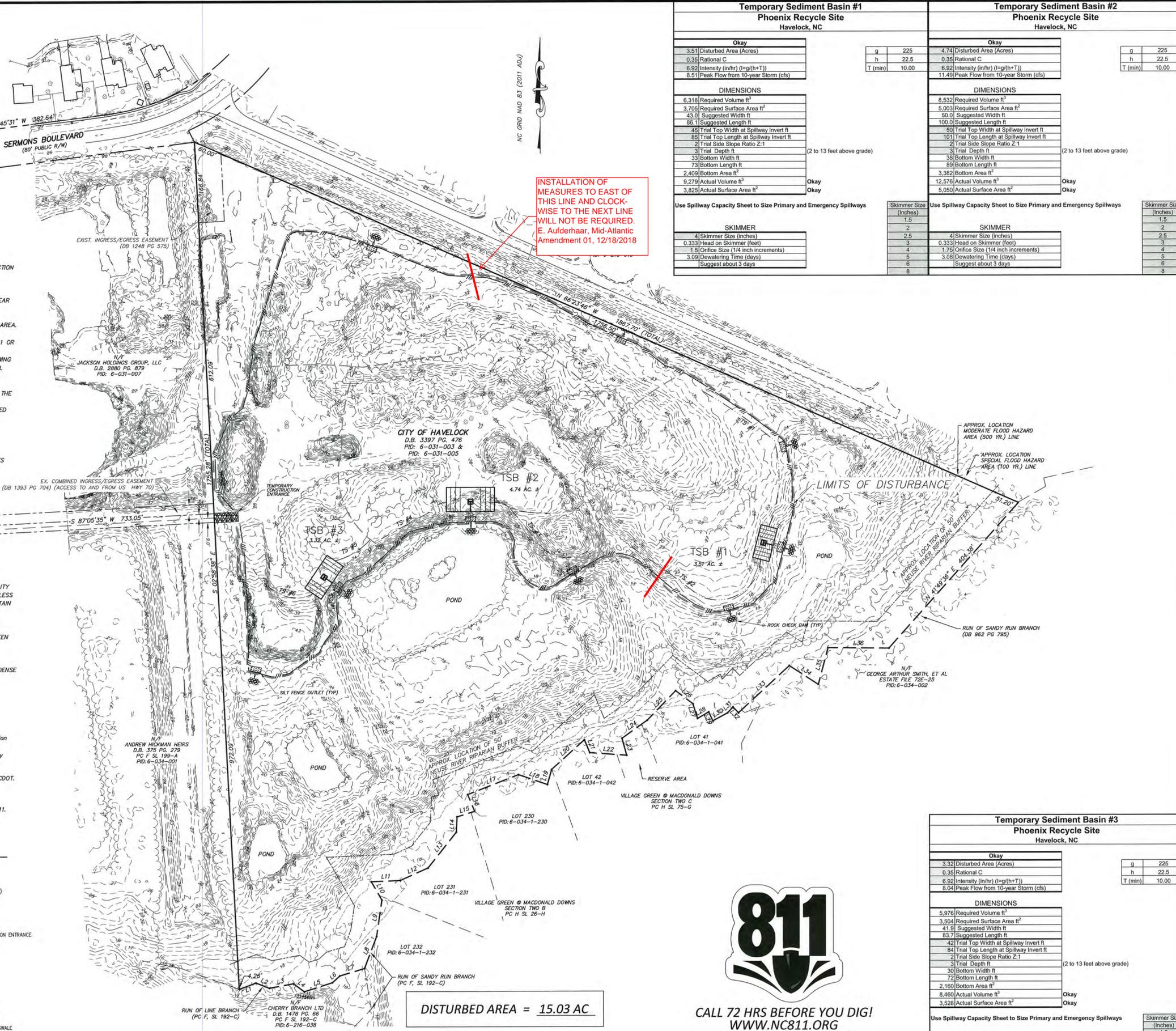
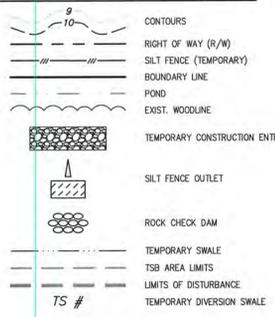
- ALL EROSION AND SEDIMENTATION CONTROL PRACTICES WILL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RUN-OFF PRODUCING RAINFALL BUT IN NO CASE LESS THAN ONCE EVERY WEEK. ANY NEEDED REPAIRS WILL BE MADE IMMEDIATELY TO MAINTAIN ALL PRACTICES AS DESIGNED.
- SEDIMENT WILL BE REMOVED FROM BEHIND THE SILT FENCE WHEN IT BECOMES APPROXIMATELY 0.5' DEEP.
- SEDIMENT WILL BE REMOVED FROM THE SEDIMENT TRAP WHEN THE STORAGE HAS BEEN APPROXIMATELY 50% FILLED. GRAVEL WILL BE CLEANED AND REPLACED WHEN THE SEDIMENT POOL NO LONGER DRAINS PROPERLY.
- ALL SEEDED AREAS WILL BE FERTILIZED, RE-SEED AS NECESSARY, AND MULCHED ACCORDING TO SPECIFICATIONS IN THE VEGETATIVE PLAN TO MAINTAIN A VIGOROUS, DENSE VEGETATIVE COVER.

**NOTES:**

- No boundary survey was performed by Rivers and Associates, Inc. Boundary information used to produce this plat came from a Bartlett Engineering and Surveying, PC plat entitled "SAND-INC. OF HAVELOCK" Project # 15-082 dated Nov. 2015 and signed by Chad E. Pomeroy, PLS L-4741.
- Topographic information was obtained from an aerial flown on March 23, 2018 for NCDOT.
- This plat is not for recordation, conveyance or sale.
- Before any digging activities, underground utilities must be marked and located by 811.

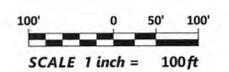
LINE	BEARING	DISTANCE
L1	N 69°37'01" E	37.08'
L2	S 68°51'57" E	29.98'
L3	N 79°29'08" E	50.59'
L4	S 63°51'38" E	28.29'
L5	N 72°19'36" E	61.16'
L6	N 48°03'46" E	20.81'
L7	N 73°32'04" E	53.54'
L8	N 20°50'53" E	70.59'
L9	N 08°25'39" E	76.13'
L10	N 30°09'42" W	43.83'
L11	N 87°30'58" E	60.41'
L12	N 63°51'16" E	63.29'
L13	N 38°32'50" E	94.67'
L14	N 02°40'41" E	31.56'
L15	N 75°44'29" E	38.43'
L16	N 25°46'23" W	32.63'
L17	N 68°45'08" E	113.10'
L18	S 71°09'00" E	63.66'
L19	N 16°07'40" E	32.46'
L20	N 48°02'48" E	91.57'
L21	S 22°34'41" E	28.93'
L22	S 85°56'53" E	76.95'
L23	N 19°21'12" W	36.31'
L24	N 54°30'04" E	64.47'
L25	N 44°01'22" E	84.79'
L26	S 33°20'17" E	44.82'
L27	S 17°33'40" E	32.18'
L28	N 59°22'16" E	26.89'
L29	S 25°08'55" E	20.60'
L30	N 61°24'44" E	34.76'
L31	N 42°42'28" E	16.58'
L32	S 43°40'06" E	16.71'
L33	N 47°17'54" E	143.84'
L34	S 67°07'06" E	71.67'
L35	N 14°57'54" E	78.60'
L36	S 89°33'05" E	126.56'

**LEGEND**



INSTALLATION OF MEASURES TO EAST OF THIS LINE AND CLOCKWISE TO THE NEXT LINE WILL NOT BE REQUIRED. E. Aufderhaar, Mid-Atlantic Amendment 01, 12/18/2018

DISTURBED AREA = 15.03 AC



Temporary Sediment Basin #1 Phoenix Recycle Site Havelock, NC	
Okay	
3.51 Disturbed Area (Acres)	g 225
0.35 Rational C	h 22.5
6.92 Intensity (in/hr) (I=gt(h+T))	T (min) 10.00
8.51 Peak Flow from 10-year Storm (cfs)	
<b>DIMENSIONS</b>	
6.318 Required Volume ft <sup>3</sup>	
3.705 Required Surface Area ft <sup>2</sup>	
43.0 Suggested Width ft	
86.1 Suggested Length ft	
48 Trial Top Width at Spillway Invert ft	
85 Trial Top Length at Spillway Invert ft	
2 Trial Side Slope Ratio Z:1	
3 Trial Depth ft	(2 to 13 feet above grade)
33 Bottom Width ft	
73 Bottom Length ft	
2,409 Bottom Area ft <sup>2</sup>	
9,279 Actual Volume ft <sup>3</sup>	Okay
3,825 Actual Surface Area ft <sup>2</sup>	Okay
Use Spillway Capacity Sheet to Size Primary and Emergency Spillways	
<b>SKIMMER</b>	
4 Skimmer Size (inches)	
0.333 Head on Skimmer (feet)	
1.5 Orifice Size (1/4 inch increments)	
3.09 Dewatering Time (days)	
Suggest about 3 days	

Temporary Sediment Basin #2 Phoenix Recycle Site Havelock, NC	
Okay	
4.74 Disturbed Area (Acres)	g 225
0.35 Rational C	h 22.5
6.92 Intensity (in/hr) (I=gt(h+T))	T (min) 10.00
11.49 Peak Flow from 10-year Storm (cfs)	
<b>DIMENSIONS</b>	
8.532 Required Volume ft <sup>3</sup>	
5.003 Required Surface Area ft <sup>2</sup>	
50.0 Suggested Width ft	
100.0 Suggested Length ft	
60 Trial Top Width at Spillway Invert ft	
101 Trial Top Length at Spillway Invert ft	
2 Trial Side Slope Ratio Z:1	
3 Trial Depth ft	(2 to 13 feet above grade)
38 Bottom Width ft	
89 Bottom Length ft	
3,382 Bottom Area ft <sup>2</sup>	
12,576 Actual Volume ft <sup>3</sup>	Okay
5,050 Actual Surface Area ft <sup>2</sup>	Okay
Use Spillway Capacity Sheet to Size Primary and Emergency Spillways	
<b>SKIMMER</b>	
4 Skimmer Size (inches)	
0.333 Head on Skimmer (feet)	
1.5 Orifice Size (1/4 inch increments)	
3.08 Dewatering Time (days)	
Suggest about 3 days	

Temporary Sediment Basin #3 Phoenix Recycle Site Havelock, NC	
Okay	
3.32 Disturbed Area (Acres)	g 225
0.35 Rational C	h 22.5
6.92 Intensity (in/hr) (I=gt(h+T))	T (min) 10.00
3.04 Peak Flow from 10-year Storm (cfs)	
<b>DIMENSIONS</b>	
5.976 Required Volume ft <sup>3</sup>	
3.504 Required Surface Area ft <sup>2</sup>	
41.9 Suggested Width ft	
83.7 Suggested Length ft	
42 Trial Top Width at Spillway Invert ft	
84 Trial Top Length at Spillway Invert ft	
2 Trial Side Slope Ratio Z:1	
3 Trial Depth ft	(2 to 13 feet above grade)
30 Bottom Width ft	
72 Bottom Length ft	
2,160 Bottom Area ft <sup>2</sup>	
8,460 Actual Volume ft <sup>3</sup>	Okay
3,528 Actual Surface Area ft <sup>2</sup>	Okay
Use Spillway Capacity Sheet to Size Primary and Emergency Spillways	
<b>SKIMMER</b>	
3 Skimmer Size (inches)	
0.26 Head on Skimmer (feet)	
1.5 Orifice Size (1/4 inch increments)	
3.26 Dewatering Time (days)	
Suggest about 3 days	



CALL 72 HRS BEFORE YOU DIG!  
WWW.NC811.ORG  
N.C. ONE-CALL CENTER  
IT'S THE LAW!

REVISIONS:

NO.	DATE	DESCRIPTION	APP'D

EROSION CONTROL PLAN  
Phoenix Recycle  
**MidAtlantic**  
CITY OF HAVELOCK ~ CRAVEN COUNTY ~ NORTH CAROLINA

NC License: F-1034  
**Rivers**  
& ASSOCIATES, INC.  
riversandassociates.com Since 1918  
107 East Second Street  
Greenville, NC 27868  
(252) 752-1135  
Landscape Architects

October 22, 2018  
SURVEY N/A DRAFT MS  
DESIGN SCB CHECK JKS  
PROJECT No. 2018117  
DRAWING No. W-3810  
SCALE: 1:100  
SHEET No. 1 OF 4

**C-1**