



CONSTRUCTION SCHEDULE

2. OBTAIN PLAN APPROVALS AND ALL APPLICABLE PERMITS.
3. FLAG LIMITS OF ROUGH GRADING FOR BUILDING SITE, PARKING LOTS AND ESTABLISH GRADE LIMITS AS NEEDED.
4. 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.
5. INSTALL TEMPORARY GRAVEL CONSTRUCTION ENTRANCE.
6. INSTALL THE PERIMETER SEDIMENT FENCE AS THE FIRST CONSTRUCTION ACTIVITY CLEAR ENOUGH TO FENCE, W/ DETENTION POND AND DIVERSION SWALES.
7. INSTALL TEMPORARY SEDIMENT BASINS AND DIVERSION SWALES.
8. REMOVE, TO APPROVED OFFSITE LOCATION, DEBRIS, TRASH, ETC., TO THE DESIGNATED AREA.
9. PROVIDE A GROUND COVER (TEMPORARY OR PERMANENT) ON EXPOSED SLOPES 14 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 SLOPES AND DISTURBANCES WITHIN HIGH QUALITY WATER (HOWQ) ZONES.
10. ADDITIONAL EROSION AND SEDIMENTATION CONTROL MEASURES MAY BE REQUIRED BY THE STATE OR OWNER IF DEEMED NECESSARY.
11. AFTER SITE IS STABILIZED, REMOVE ALL CONSTRUCTION MEASURES, FINE GRADE DISTURBED AREAS, AND INSTALL PERMANENT VEGETATION ON THE DISTURBED AREAS.
12. WHEN PERMANENT VEGETATION IS NOT DESIRED, TOP DRESSING WITH 700 LBS PER ACRE OF FERTILIZER EVERY 6 MONTHS UNTIL THE COMPLETION OF THE PROJECT.
13. WITHIN 6" OF FINAL GRADE, RE-DISTRIBUTE 6" OF TOP SOIL.
14. FINE GRADE, PERMANENTLY SEED AND MULCH ALL DISTURBED AREAS.
15. REMOVE ALL REMAINING TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES UPON COMPLETION AND STABILIZATION OF PROJECT.

MAINTENANCE PLAN

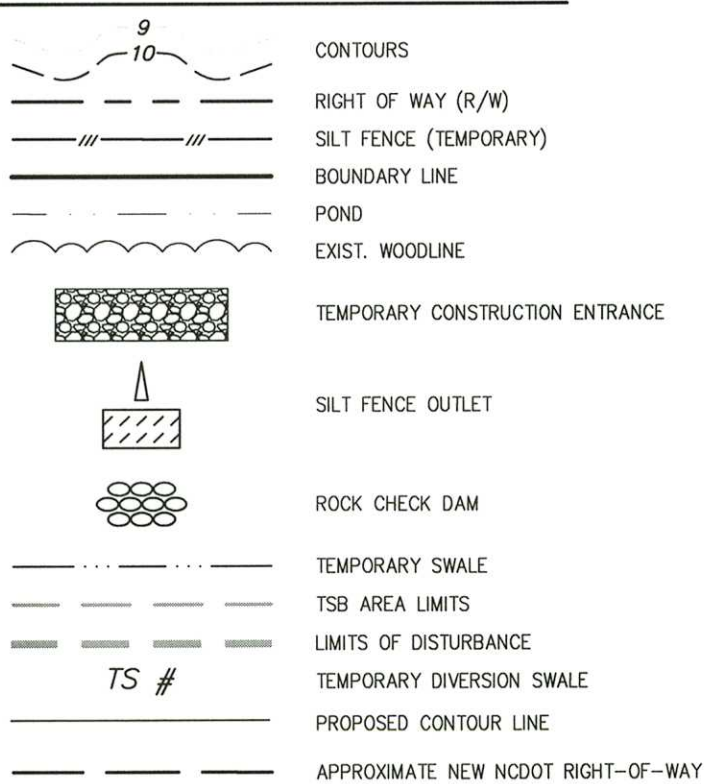
1. ALL EROSION AND SEDIMENTATION CONTROL PRACTICES WILL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RUN-OFF PRODUCING RAINFALL BUT IN NO CASE LESS THAN ONCE EVERY WEEK. ANY NEEDED REPAIRS WILL BE MADE IMMEDIATELY TO MAINTAIN ALL PRACTICES AS DESIGNED.
2. SEDIMENT WILL BE REMOVED FROM BEHIND THE SILT FENCE WHEN IT BECOMES APPROXIMATELY 0.5' DEEP.
3. SEDIMENT WILL BE REMOVED FROM THE SEDIMENT TRAP WHEN THE STORAGE HAD BEEN APPROXIMATELY 50% FILLED. GRAVEL WILL BE CLEANED AND REPLACED WHEN THE SEDIMENT POOL NO LONGER DRAINS PROPERLY.
4. ADDED 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:

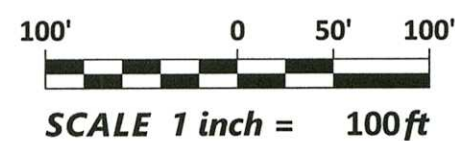
1. No boundary survey was performed by Rivers and Associates, Inc. Boundary information used to produce this plat came from a Bartlett Engineering and Surveying, PC plat entitled "SAND-IN-GLC OF HAELOCK" Project # 15-062 dated Nov. 2015 and signed by Chad E. Pomeroy, PLS L-4741.
2. Topographic information was obtained from an aerial flown on March 23, 2018 for NCDOT.
3. This plat is not for recordation, conveyance or sale.
4. Before any digging activities, underground utilities must be marked and located by 811.

LINE	BEARING	DISTANCE
L1E	N 69°57'01"E	37.08'
L2	S 79°29'08"E	50.59'
L3	S 33°51'38"E	28.29'
L4	S 79°29'08"E	50.59'
L6	N 48°03'46"E	91.16'
L7	N 73°32'04"E	51.54'
L8	N 20°50'33"E	70.53'
L9	N 73°32'04"E	51.54'
L10	N 30°49'42"E	45.83'
L11	N 87°30'58"E	60.41'
L12	N 73°32'04"E	51.54'
L13	N 38°32'50"E	94.67'
L14	N 02°40'41"E	31.56'
L15	N 73°32'04"E	51.54'
L16	N 22°46'47"E	37.53'
L17	N 68°45'08"E	113.10'
L18	S 71°09'00"E	63.66'
L19	N 73°32'04"E	51.54'
L20	N 48°02'48"E	91.57'
L21	S 22°34'41"E	28.93'
L22	N 73°32'04"E	51.54'
L23	N 15°21'12"E	36.31'
L24	N 54°30'04"E	64.44'
L25	N 73°32'04"E	51.54'
L26	S 53°20'17"E	44.82'
L27	S 17°33'40"E	32.18'
L28	S 99°22'16"E	26.89'
L29	N 73°32'04"E	51.54'
L30	N 61°24'44"E	34.76'
L31	N 42°42'26"E	16.58'
L32	N 73°32'04"E	51.54'
L33	N 471°75'54"E	143.84'
L34	S 87°07'06"E	71.67'
L35	N 73°32'04"E	51.54'
L36	S 89°33'05"E	126.56'

LEGEND



DISTURBED AREA = 15.03 AC



Temporary Sediment Basin #1 Phoenix Recycle Site Havelock, NC	
Okay	
3.51	Disturbed Area (Acres)
0.35	Rational C
6.92	Intensity (in/hr) (I=(g/(h+T))
8.51	Peak Flow from 10-year Storm (cfs)
DIMENSIONS	
6.318	Required Volume ft ³
3.705	Required Surface Area ft ²
43.0	Suggested Width ft
86.1	Suggested Length ft
45	Trial Top Width at Spillway Invert ft
86	Trial Top Width at Spillway Invert ft
2	Trial Side Slope Ratio Z:1
3	Trial Depth ft
33	Bottom Width ft
73	Bottom Length ft
2.409	Bottom Area ft ²
9.279	Actual Volume ft ³
3.825	Actual Surface Area ft ²
	Okay
	Okay

Use Spillway Capacity Sheet to Size Primary and Emergency Spillway

SKIMMER	
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)
0.35	Rational C
6.92	Intensity (in/hr) ($I=(q/(h+T))$)
11.49	Peak Flow from 10-year Storm (cfs)
DIMENSIONS	
8.532	Required Volume ft ³
5.003	Required Surface Area ft ²
50.0	Suggested Width ft
100.0	Suggested Length ft
50	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
38	Bottom Width ft
89	Bottom Length ft
3.382	Bottom Area ft ²
12.676	Actual Volume ft ³
5.050	Actual Surface Area ft ²
Okay	
Okay	
Use Spillway Capacity Sheet to Size Primary and Emergency Spillways	
SKIMMER	
4	Skimmer Size (inches)
0.333	Head on Skimmer (feet)
1.75	Orifice Size (1/4 inch increments)
3.08	Dewatering Time (days)
Suggest about 3 days	

Temporary Sediment Basin 31 Phoenix Recycle Site Havelock, NC	
Okay	
3.32	Disturbed Area (Acres)
0.35	Rational C
6.92	Intensity (in/hr) (I=(g/(h+T)))
8.04	Peak Flow from 10-year Storm (cfs)
DIMENSIONS	
5.875	Required Volume ft ³
3.504	Required Surface Area ft ²
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
30	Bottom Width ft
72	Bottom Length ft
2.160	Bottom Area ft ²
8.460	Actual Volume ft ³
3.528	Actual Surface Area ft ²
	Okay Okay
Use Spillway Capacity Sheet to Size Primary and Emergency Spillways	
SKIMMER	
3	Skimmer Size (inches)
0.25	Head on Skimmer (feet)
1.5	Orifice Size (1/4 inch increments)
3.26	Dewatering Time (days)
Suggest about 3 days	

REVISIONS:			
REV.	DESCRIPTION	DATE	APPD
A	PROPOSED CONTOURS/INCDOT RW	12/18/18	USJ

EROSION CONTROL PLAN

Phoenix Recycle

MidAtlantic

CITY OF HAVELOCK ~ CRAVEN COUNTY ~ NORTH CAROLINA

NC License: F-0334



October 22, 2018

SURVEY	N/A	DRAFT	MS
DESIGN	SCB	CHECK	JSJ

PROJECT No.	2018117
REVISION No.	W 2019

DRAWING NO. **W-3810**

SCALE: **1:100**

SHEET No. **1** OF 4

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