





				1'-0"			TH AMERIC	CAN			
			3	MIN.	1	GRE	EN SC 25	0			
	11	: ۱ <u></u> ۱				<u> </u> 11 <u></u> -11					
	<u>CHANNEL 1-6</u>										
			/۷) SUALI	-						
			Л	1'-3" MIN. 	И	/ NOR GRE	TH AMERIC EN SC 25	CAN O			
			4		1 4		_				
	MUT MIN.	E: . SLOPE	= 1.0%		וו - כ ש ד ד	NSTALL CH CONVERSION CONVERSION CASIN TO N	IANNEL 7 N OF SED WET POND	WITH IMENT			
				AININE D SCALE							
Pipe	VI V-10	ELOCITY D	ISSIPATO Dissipator	R SCHEDU	ILE Class	D50					
	Exit (Fps)	Length (Ft)	Width (Ft)	Depth (In)		(In)					
P-1 P-2 P-10	9.5 6.0 10.5	8 8 20	4 4 8	22 22 22 22	B B B	6 6 6					
Pond	11.2	24	10	22 PIPE		6]	
Pipe	From	То	Q-10 from	Q-10 Total	Material	Diameter	Length	Slope	Capacity		
P-1	FES	FES	Inlet (cfs) 2.9	in Pipe (cfs) 2.9	RCP	(Inches) 15	(Feet) 64.00	(%) 5.47	(cfs) 15.1		
P-2 P-3 P-4	FES A B	FES B C	6.2 4.9 4.9	6.2 4.9 9.8	RCP/HDPE RCP/HDPE RCP/HDPE	15 15 <u>15</u>	210.00 134.65 236.11	1.00 4.60 2.30	6.5 13.9 9.8		
P-5 P-6 P-7	C D E	D FES F	4.5 4.8 4.3	4.5 9.3 4.3	RCP/HDPE RCP/HDPE RCP/HDPE	15 15 15	173.42 133.15 175.28	0.58 2.10 1.08	4.9 9.4 6.7		
P-8 P-9 P-10	F G H	G H FFS	4.3 8.2 1 7	17.9 35.9 37 6	RCP RCP RCP	24 24 30	188.57 196.23 48.00	2.14 4.08 1.25	33.2 45.8 46.0		
Inlet	Type	<u> </u>	station				<u></u>	0-100	Invert	Invert	Ton
inice in the second sec	турс		στατιστι		Area		to Inlet	to Inlet	In	Out	ЧОГ
A B	YI YI				0.58 0.57	0.91	4.0 4.0	4.9	259.50	265.70 259.40	269.20 265.50
C D E	YI YI YI				0.59 0.65 0.50	0.82 0.80 0.92	3.7 4.0 3.5	4.5 4.8 4.3	261.00	262.00 260.90 260.00	265.50 264.50 263.50
F G H	YI YI YI				0.50 0.97 0.20	0.92 0.91 0.90	3.5 6.7 1.4	4.3 8.2 1.7	258.10Both 253.97Both 244.50	258.00 252.50 243.00	262.00 259.00 249.50
P-1	FES				0.42	0.45	1.4	1.8	261.50	258.00	





- 1. Obtain grading permit. Schedule and hold pre-construction meeting with Chatham County Erosion and Sedimentation control inspector.
- 2. Install gravel entrance and all silt fence. Clear only as required for silt fence.
- 3. Construct sediment basin / future wet pond. Stabilize immediately.
- 4. Construct temporary diversion ditches. Stabilize immediately. Install clear water diversions, and temporary 12-inch HDPE under driveway at north end of site.
- 5. Call (919) 545-8343 for on-site inspection by an Erosion Control Officer. If approved, begin clearing and grubbing.
- 6. Provide all monitoring, inspection, and record keeping as required by conditions or NCG010000 Storm Water Discharge Permit. Provide copies to Chatham County Erosion Control Officer.
- Rough grade site. Maintain devices weekly, after each rain and as needed. Stabilize pipe outlet areas before pipe construction.
- 8. Install storm drainage. Provide inlet protection for all inlets. Remove temporary pipe. 9. Stabilize site as areas are brought up to finish grade with vegetation, gravel, etc. The angle for graded slopes and fills shall be no greater than the angle that can be retained by vegetative cover or other adequate erosion control devices or structures. In any event, slopes left exposed will, within 14 calendar days of completion of any phase of trading, be planted or otherwise provided with temporary ground cover, devices or structures sufficient to restrain erosion.
- 10. When construction is complete and all areas are stabilized completely, call for inspection by Erosion Control Officer.
- 11. If site is approved, remove temporary diversions, silt fencing, and seed out or gravel any bare areas. Remove skimmer from sediment basin only after approval from Chatham County Inspector. Stabilize these areas immediately.
- 12. When vegetation has become established, call for final site inspection by Erosion Control Officer.
- 13. Clean out sediment basin and convert to permanent wet pond. Install Channel 7. Install plantings as required.
- 14. Obtain Certificate of Completion.

Sediment Trap

Design Based On:	Q-25	8.2	28 in/hr			
	Surface Area	43	35 cu.ft. /cfs			
	Volume	3,60	00 cu. Ft. / DA			
	Rational C	0	.5 (entire drainage)			
Storage Area						
Total Drainage Area		8	.3 Acres			
Total Disturbed Area	a (DA)	8	.3 Acres			
0-25 =		34 6 cfs				
Surface Area Requir	ed =	15.067 sq. ft.				
Volume Required =		29 880 cu. ft.				
Use: Sediment	Basin / Wet P	ond				
Surface A	rea at El. 244 =	19,540 in main	pool			
3	Depth (ft)					
Surface Area Provide	ed:	19,540 Sq. Ft.				
Volume Provided:		34,800 Cu. Ft.	at 2 ft. depth			
_						
Life = I year		_				
Emergency Spillway	- Use Riser Sti	ucture 20-foot v	weir			
Height on Weir at Q	-25 (no Storage	e) = 0.69 feet				
Use 20	feet					
See skimmer calcula	itions: 4-inch s	kimmer w/ 3" o	rifice			
3.19 days dewater						





		VE	LOC	CITY D	ISSIPATO	R SCHED	DULE					
Pipe	V-1	.0			Dissipato	r	Clas	ss l	050			
	Exi	it	Le	ngth	Width	Depth			(In)			
	(Fp	s)	(Ft)	(Ft)	(In)						
P-1	9.	5		8	4	22	В		6			
P-2	6.	0		8	4	22	В		6			
P-10	10.	.5		20	8	22	В		6			
Pond	11.	.2		24	10	22	В		6			
	PIPE DATA											
Pipe	From	Т	o	Q-10	Q-10	Material	Diameter	Length	Slope	Capacity		
				from	Total							
				(cfs)	(cfs)		(Inches)	(Feet)	(%)	(cfs)		
P-1	FES	FE	ES	2.9	2.9	RCP	15	64.00	5.47	15.1	1	
P-2	FES	FE	ES	6.2	6.2	RCP/HDPE	15	210.00	1.00	6.5	1	
P-3	А	E	3	4.9	4.9	RCP/HDPE	15	134.65	4.60	13.9	1	
P-4	В	(C	4.9	9.8	RCP/HDPE	15	236.11	2.30	9.8	1	
P-5	С)	4.5	4.5	RCP/HDPE	15	173.42	0.58	4.9		
P-6	D	FE	ES	4.8	9.3	RCP/HDPE	15	133.15	2.10	9.4		
P-7	E	F	=	4.3	4.3	RCP/HDPE	15	175.28	1.08	6.7		
P-8	F	(<u>a</u>	4.3	17.9	RCP	24	188.57	2.14	33.2		
P-9	G	ŀ	4	8.2	35.9	RCP	24	196.23	4.08	45.8		
P-10	Н	FE	ES	1.7	37.6	RCP	30	48.00	1.25	46.0		
						INLET	DATA	١				
Inlet	Туре			Statio	า	Drainage	С	Q-10	Q-100	Invert	Invert	Тор
						Area		to	to	In	Out	
								Inlet	Inlet			
						(AC)		(Cfs)	(Cfs)			
A	YI					0.58	0.91	4.0	4.9		265.70	269.20
В	YI					0.57	0.92	4.0	4.9	259.50	259.40	265.50
<u> </u>	YI					0.59	0.82	3.7	4.5		262.00	265.50
D	YI					0.65	0.80	4.0	4.8	261.00	260.90	264.50
E	YI Nii					0.50	0.92	3.5	4.3	050.405.11	260.00	263.50
F	YI					0.50	0.92	3.5	4.3	258.10Both	258.00	262.00
G	YI					0.97	0.91	6.7	8.2	253.97Both	252.50	259.00
H	YI					0.20	0.90	1.4	1.7	244.50	243.00	249.50
P-1	FES					0.42	0.45	1.4	1.8	261.50	258.00	
P-2	FES					1.67	0.40	5.1	6.2	264.10	262.00	







Contour	Z (Feet)	Area (Sq. Ft.)	Volume (Cu. Ft.)	Cummulative Volume (Cu. Ft.)
246.5	0	33,173	17 463	0
247	0.5	36,679	30 343	17,463
248	1.5	42,006	33,343	56,806
				56,806

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- 12. When vegetation has become established, call for final site inspection by Erosion Control Officer.
- 13. Clean out sediment basin and convert to permanent wet pond. Install Channel 7. Install plantings as required.
- 14. Obtain Certificate of Completion.

Sediment Trap

Design Based O	0n: Q-25	8.28 in/hr						
	Surface Area	435 cu.ft. /cfs						
	Volume	3,600 cu. Ft. / DA						
	Rational C	0.5 (entire drainage)						
Storage Area								
Total Drainage	Area	8.3 Acres						
Total Disturbed	l Area (DA)	8.3 Acres						
Q-25 =		34.6 cfs						
Surface Area Re	equired =	15,067 sq. ft.						
Volume Requir	ed =	29,880 cu. ft.						
Use: Sedi	ment Basin / Wet P	ond						
Surfa	ace Area at El. 244 =	19,540 in main pool						
	3 Depth (ft)							
Surface Area Pr	ovided:	19,540 Sq. Ft.						
Volume Provid	ed:	34,800 Cu. Ft. at 2 ft. depth						
Life = I year								
Emergency Spil	lway - Use Riser St	ructure 20-foot weir						
Height on Weir	at Q-25 (no Storag	e) = 0.69 feet						
Use	20 feet							
See skimmer ca	See skimmer calculations: 4-inch skimmer w/ 3" orifice							
3.19 days dewa	ter							

		VE	ELOO	CITY D	ISSIPATO	R SCHED	OULE						
Pipe	V-1	.0			Dissipato	r	Clas	ss	D	50			
	Exi	it	Le	ngth	Width	Depth			(In)				
	(Fp	s)	(Ft)	(Ft)	(In)							
P-1	9.1	5		8	4	22	В			6			
P-2	6	n		8	<u> </u>	22	B			6			
P_10	10	5		20	8	22	B			6			
Pond	11.	2		20	10	22	В			6			
	I _												
Pipe	From	Т	0	Q-10 from	Q-10 Total	Material	Diameter	Leng	gth	Slope	Capacity		
				Inlet	in Pipe								
				(cfs)	(cfs)		(Inches)	(Fee	et)	(%)	(cfs)		
P-1	FES	FE	ES	2.9	2.9	RCP	15	64.0	00	5.47	15.1		
P-2	FES	FE	S	6.2	6.2	RCP/HDPE	15	210.	00	1.00	6.5		
P-3	А	E	3	4.9	4.9	RCP/HDPE	15	134.	65	4.60	13.9		
P-4	В	(2	4.9	9.8	RCP/HDPE	15	236.	11	2.30	9.8		
P-5	С)	4.5	4.5	RCP/HDPE	15	173.	42	0.58	4.9		
P-6	D	FE	ES	4.8	9.3	RCP/HDPE	15	133.	15	2.10	9.4		
P-7	E	F	=	4.3	4.3	RCP/HDPE	15	175.	28	1.08	6.7		
P-8	F	(3	4.3	17.9	RCP	24	188.	57	2.14	33.2		
P-9	G	ŀ	4	8.2	35.9	RCP	24	196.	23	4.08	45.8		
P-10	Н	FE	S	1.7	37.6	RCP	30	48.0	00	1.25	46.0		
						INLET	DATA	4					
Inlet	Туре			Statio	า	Drainage	С	Q-1	.0	Q-100	Invert	Invert	Γ
						Area		to		to	In	Out	
								Inle	t	Inlet			
						(AC)		(Cfs	5)	(Cfs)			
Α	ΥI					0.58	0.91	4.0)	4.9		265.70	1
В	ΥI					0.57	0.92	4.0)	4.9	259.50	259.40	1
С	ΥI					0.59	0.82	3.7	,	4.5		262.00	
D	ΥI					0.65	0.80	4.0)	4.8	261.00	260.90	
E	YI					0.50	0.92	3.5	5	4.3		260.00	1
F	YI					0.50	0.92	3.5	5	4.3	258.10Both	258.00	
G	YI					0.97	0.91	6.7	7	8.2	253.97Both	252.50	
Н	YI					0.20	0.90	1.4	ł	1.7	244.50	243.00	
P-1	FES					0.42	0.45	1.4	ŀ	1.8	261.50	258.00	
P-2	FES					1.67	0.40	5.1	L	6.2	264.10	262.00	1

GROUND STABILIZATION AND MATERIALS HANDLING PRACTICES FOR COMPLIANCE WITH THE NCG01 CONSTRUCTION GENERAL PERMIT

Implementing the details and specifications on this plan sheet will result in the construction activity being considered compliant with the Ground Stabilization and Materials Handling sections of the NCG01 Construction General Permit (Sections E and F, respectively). The permittee shall comply with the Erosion and Sediment Control plan approved by the delegated authority having jurisdiction. All details and specifications shown on this sheet may not apply depending on site conditions and the delegated authority having jurisdiction.

	Re	equired Grou	nd Stabi	lization Timeframes	
Sit	te Area Description	Stabilize wi many calen days after o land distur	thin this dar ceasing bance	Timeframe variations	
a)	Perimeter dikes, swales, ditches, and perimeter slopes	7		None	
b)	High Quality Water (HQW) Zones	7		None	
c)	Slopes steeper than 3:1	7		If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed	
(k	Slopes 3:1 to 4:1	14		 -7 days for slopes greater than 50' in length and with slopes steeper than 4:1 -7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershod 	
e)	Areas with slopes flatter than 4:1	14		-7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed unless there is zero slope	
tivi rfa ROI abi chr	ty. Temporary groun ce stable against acce UND STABILIZATION S lize the ground suffici niques in the table be	SPECIFICATIC ently so that ow:	n shall be ion until DN rain will	e maintained in a manner to render the permanent ground stabilization is achieved. not dislodge the soil. Use one of the	
tivi rfa tol abi chr	UND STABILIZATION S lize the ground sufficiniques in the table bel Temporary Stabilization	SPECIFICATIC ently so that ow:	n snall be ion until DN rain will • Permanen	e maintained in a manner to render the permanent ground stabilization is achieved. not dislodge the soil. Use one of the <u>Permanent Stabilization</u> It grass seed covered with straw or other	
tivi rfa ROI abi chr Terr mul Hyd Roll	ty. Temporary ground ce stable against acce UND STABILIZATION S lize the ground sufficing inques in the table bel Temporary Stabilization porary grass seed covered with ches and tackifiers loseeding ed erosion control products with	SPECIFICATIC ently so that ow: on n straw or other	 n snall be ion until DN rain will Permanen mulches al Geotextile reinforcen 	e maintained in a manner to render the permanent ground stabilization is achieved. not dislodge the soil. Use one of the <u>Permanent Stabilization</u> t grass seed covered with straw or other nd tackifiers fabrics such as permanent soil nent matting	
tivi rfa ROI abi chr Terr mul Hyd Roll tem App Plas	ty. Temporary ground ce stable against acce UND STABILIZATION S lize the ground suffici- niques in the table bel <u>Temporary Stabilization</u> porary grass seed covered with ches and tackifiers loseeding ed erosion control products with porary grass seed propriately applied straw or othe stic sheeting	SPECIFICATIC ently so that ow: on n straw or other th or without er mulch	 n snall be on until DN rain will Permanen mulches at Geotextile reinforcen Hydroseec Shrubs or mulch 	e maintained in a manner to render the permanent ground stabilization is achieved. not dislodge the soil. Use one of the <u>Permanent Stabilization</u> t grass seed covered with straw or other nd tackifiers fabrics such as permanent soil nent matting ding other permanent plantings covered with	
tivi rfa Rol abi chr Terr mul Hyd Roll tem App Plas	ty. Temporary ground ce stable against acce UND STABILIZATION S lize the ground suffici- niques in the table bel <u>Temporary Stabilization</u> porary grass seed covered with ches and tackifiers loseeding ed erosion control products with porary grass seed propriately applied straw or othe stic sheeting	SPECIFICATIC ently so that ow: on n straw or other th or without er mulch	 n Snall be ion until ion until ion until nain will Permanen mulches at Geotextile reinforcen Hydroseec Shrubs or mulch Uniform at sufficient t Structural retaining v 	e maintained in a manner to render the permanent ground stabilization is achieved. not dislodge the soil. Use one of the <u>Permanent Stabilization</u> It grass seed covered with straw or other nd tackifiers e fabrics such as permanent soil nent matting ding other permanent plantings covered with nd evenly distributed ground cover to restrain erosion methods such as concrete, asphalt or walls	
tivi rfa abi chr Terr mul Hyd Roll tem Plas	Ity. Temporary ground ce stable against acce UND STABILIZATION S lize the ground suffici- niques in the table bel <u>Temporary Stabilization</u> porary grass seed covered with ches and tackifiers loseeding ed erosion control products with porary grass seed propriately applied straw or othe stic sheeting	SPECIFICATIO SPECIFICATIO Connection SPECIFICATIO SPECIFICATIO	 n Shall be on until n shall be on until n ain will Permanen mulches al Geotextile reinforcen Hydroseec Shrubs or on mulch Uniform al sufficient t Structural retaining v Rolled ero 	e maintained in a manner to render the permanent ground stabilization is achieved. not dislodge the soil. Use one of the <u>Permanent Stabilization</u> t grass seed covered with straw or other nd tackifiers e fabrics such as permanent soil nent matting ding other permanent plantings covered with nd evenly distributed ground cover to restrain erosion methods such as concrete, asphalt or walls sion control products with grass seed	
tivi rfa ROI chr Terr mul Hyd Roll tem Plas	UND STABILIZATION S lize the ground suffici- niques in the table bel Temporary Stabilization porary grass seed covered with ches and tackifiers loseeding ed erosion control products with porary grass seed propriately applied straw or othe stic sheeting ACRYLAMIDES (PAM Select flocculants the construction, selecti	SPECIFICATIO ently so that OW: on straw or other ch or without er mulch S) AND FLOC at are approping from the a	 n shall be ion until on until n ain will Permanen mulches al Geotextile reinforcen Hydroseed Shrubs or mulch Uniform al sufficient t Structural retaining v Rolled ero 	e maintained in a manner to render the permanent ground stabilization is achieved. not dislodge the soil. Use one of the Permanent Stabilization t grass seed covered with straw or other nd tackifiers e fabrics such as permanent soil nent matting ding other permanent plantings covered with nd evenly distributed ground cover to restrain erosion methods such as concrete, asphalt or walls sion control products with grass seed S t the soils being exposed during List of Approved PAMS/Flocculants.	
tivi rfa Roll chr Terr mul Hyd Roll tem Plas	AcryLAMIDES (PAM Select flocculants at Apply flocculants at Apply flocculants at Apply flocculants at Apply flocculants at	SPECIFICATIC ently so that ow: on h straw or other ch or without er mulch S) AND FLOC at are approping from the or before the the concentr	 n shall be in an in a shall be in a	e maintained in a manner to render the permanent ground stabilization is achieved. not dislodge the soil. Use one of the Permanent Stabilization t grass seed covered with straw or other nd tackifiers fabrics such as permanent soil nent matting ding other permanent plantings covered with nd evenly distributed ground cover to restrain erosion methods such as concrete, asphalt or walls sion control products with grass seed S t the soils being exposed during <i>List of Approved PAMS/Flocculants</i> . D Erosion and Sediment Control Measures. Decified in the NC DWR List of Approved	
tivi rfa ROI abi chr Terr mul Hyd Roll Hyd Roll Hyd Plas	ACRYLAMIDES (PAM Select flocculants at Apply flocculants at	SPECIFICATIC ently so that ow: on n straw or other ch or without er mulch S) AND FLOC at are approping from the or before the the concentric the concentric a for contain	 n shall be on until of on until until of on until of on until until until of on until u	e maintained in a manner to render the permanent ground stabilization is achieved. not dislodge the soil. Use one of the Permanent Stabilization t grass seed covered with straw or other nd tackifiers fabrics such as permanent soil nent matting ding other permanent plantings covered with nd evenly distributed ground cover to restrain erosion methods such as concrete, asphalt or valls sion control products with grass seed S the soils being exposed during <i>List of Approved PAMS/Flocculants.</i> o Erosion and Sediment Control Measures. pecified in the NC DWR List of Approved a the manufacturer's instructions. treated Stormwater before discharging	
tivi rfa ROI abi chr Terr mul Hyd Roll tem Plas	Ity. Temporary ground ce stable against acce UND STABILIZATION Solution in the ground suffici- in the ground suffici- in the table below in the table below in the table below in the table below in the solution of	SPECIFICATIO ently so that ow: on n straw or other ch or without er mulch S) AND FLOC at are approping from the or before the the concentring or before the the concentring a for contain eak-proof co condary cont	 n shall be on until on until n ain will Permanen mulches al Geotextile reinforcen Hydroseed Shrubs or mulch Uniform al sufficient t Structural retaining v Rolled ero 	e maintained in a manner to render the permanent ground stabilization is achieved. not dislodge the soil. Use one of the Permanent Stabilization t grass seed covered with straw or other nd tackifiers fabrics such as permanent soil nent matting ding other permanent plantings covered with nd evenly distributed ground cover to restrain erosion methods such as concrete, asphalt or walls sion control products with grass seed S t the soils being exposed during <i>List of Approved PAMS/Flocculants.</i> to Erosion and Sediment Control Measures. Decified in the NC DWR List of Approved the manufacturer's instructions. treated Stormwater before discharging that are kept under storm-resistant cover e structures.	
tivi rfa ROI abi chr Terr mul Hyd Roll tem Plas	Ity. Temporary ground ce stable against acce UND STABILIZATION S lize the ground suffici- niques in the table bel Temporary Stabilization porary grass seed covered with ches and tackifiers loseeding ed erosion control products with porary grass seed propriately applied straw or othe stic sheeting ACRYLAMIDES (PAM Select flocculants the construction, selecti Apply flocculants at Apply flocculants at PAMS/Flocculants at Provide ponding are offsite. Store flocculants in I or surrounded by se	SPECIFICATIC ently so that ow: on n straw or other ch or without er mulch S) AND FLOC at are approping from the or before the the concentring or before the the concentring a for contain eak-proof co condary cont	 n shall be on until on until DN rain will Permanen mulches al Geotextile reinforcem Hydroseed Shrubs or a mulch Uniform al sufficient to suffic	e maintained in a manner to render the permanent ground stabilization is achieved. not dislodge the soil. Use one of the Permanent Stabilization t grass seed covered with straw or other nd tackifiers fabrics such as permanent soil nent matting ding other permanent plantings covered with nd evenly distributed ground cover to restrain erosion methods such as concrete, asphalt or walls sion control products with grass seed S t the soils being exposed during <i>List of Approved PAMS/Flocculants</i> . to Erosion and Sediment Control Measures. to Erosion and Sediment Control Measures. the manufacturer's instructions. treated Stormwater before discharging that are kept under storm-resistant cover e structures.	

EQUIPMENT AND VEHICLE MAINTENANCE

- 1. Maintain vehicles and equipment to prevent discharge of fluids.
- 2. Provide drip pans under any stored equipment.
- Identify leaks and repair as soon as feasible, or remove leaking equipment from the project.
- Collect all spent fluids, store in separate containers and properly dispose as hazardous waste (recycle when possible).
- Remove leaking vehicles and construction equipment from service until the problem has been corrected.
- Bring used fuels, lubricants, coolants, hydraulic fluids and other petroleum products to a recycling or disposal center that handles these materials.

LITTER. BUILDING MATERIAL AND LAND CLEARING WASTE

- 1. Never bury or burn waste. Place litter and debris in approved waste containers. 2. Provide a sufficient number and size of waste containers (e.g dumpster, trash
- receptacle) on site to contain construction and domestic wastes.
- 3. Locate waste containers at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
- 4. Locate waste containers on areas that do not receive substantial amounts of runoff from upland areas and does not drain directly to a storm drain, stream or wetland. 5. Cover waste containers at the end of each workday and before storm events or
- provide secondary containment. Repair or replace damaged waste containers.
- 6. Anchor all lightweight items in waste containers during times of high winds.
- 7. Empty waste containers as needed to prevent overflow. Clean up immediately if containers overflow.
- Dispose waste off-site at an approved disposal facility.
- On business days, clean up and dispose of waste in designated waste containers.

PAINT AND OTHER LIQUID WASTE

- Do not dump paint and other liquid waste into storm drains, streams or wetlands. Locate paint washouts at least 50 feet away from storm drain inlets and surface
- waters unless no other alternatives are reasonably available.
- Contain liquid wastes in a controlled area. 3.
- Containment must be labeled, sized and placed appropriately for the needs of site.
- Prevent the discharge of soaps, solvents, detergents and other liquid wastes from construction sites.

PORTABLE TOILETS

- 1. Install portable toilets on level ground, at least 50 feet away from storm drains, streams or wetlands unless there is no alternative reasonably available. If 50 foot offset is not attainable, provide relocation of portable toilet behind silt fence or place on a gravel pad and surround with sand bags.
- 2. Provide staking or anchoring of portable toilets during periods of high winds or in high foot traffic areas.
- 3. Monitor portable toilets for leaking and properly dispose of any leaked material. Utilize a licensed sanitary waste hauler to remove leaking portable toilets and replace with properly operating unit.

EARTHEN STOCKPILE MANAGEMENT

- Show stockpile locations on plans. Locate earthen-material stockpile areas at least 50 feet away from storm drain inlets, sediment basins, perimeter sediment controls and surface waters unless it can be shown no other alternatives are reasonably available.
- 2. Protect stockpile with silt fence installed along toe of slope with a minimum offset of five feet from the toe of stockpile.
- Provide stable stone access point when feasible.
- Stabilize stockpile within the timeframes provided on this sheet and in accordance with the approved plan and any additional requirements. Soil stabilization is defined as vegetative, physical or chemical coverage techniques that will restrain accelerated erosion on disturbed soils for temporary or permanent control needs.

ABILIZATION AND MATERIALS HANDLING

PART III

SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION A: SELF-INSPECTION

Self-inspections are required during normal business hours in accordance with the table below. When adverse weather or site conditions would cause the safety of the inspection personnel to be in jeopardy, the inspection may be delayed until the next business day on which it is safe to perform the inspection. In addition, when a storm event of equal to or greater than 1.0 inch occurs outside of normal business hours, the self-inspection shall be performed upon the commencement of the next business day. Any time when inspections were delayed shall be noted in the Inspection Record.

Inspect	Frequency (during normal business hours)	Inspection records must include:
(1) Rain gauge maintained in good working order	Daily	Daily rainfall amounts. If no daily rain gauge observations are made during weekend or holiday periods, and no individual-day rainfall information is available, record the cumulative rain measurement for those un- attended days (and this will determine if a site inspection is needed). Days on which no rainfall occurred shall be recorded as "zero." The permittee may use another rain-monitoring device approved by the Division.
(2) E&SC Measures	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	 Identification of the measures inspected, Date and time of the inspection, Name of the person performing the inspection, Indication of whether the measures were operating properly, Description of maintenance needs for the measure, Description, evidence, and date of corrective actions taken.
(3) Stormwater discharge outfalls (SDOs)	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	 Identification of the discharge outfalls inspected, Date and time of the inspection, Name of the person performing the inspection, Evidence of indicators of stormwater pollution such as oil sheen, floating or suspended solids or discoloration, Indication of visible sediment leaving the site, Description, evidence, and date of corrective actions taken.
(4) Perimeter of site	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	 If visible sedimentation is found outside site limits, then a record of the following shall be made: 1. Actions taken to clean up or stabilize the sediment that has left the site limits, 2. Description, evidence, and date of corrective actions taken, and 3. An explanation as to the actions taken to control future releases.
(5) Streams or wetlands onsite or offsite (where accessible)	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	 If the stream or wetland has increased visible sedimentation or a stream has visible increased turbidity from the construction activity, then a record of the following shall be made: 1. Description, evidence and date of corrective actions taken, and 2. Records of the required reports to the appropriate Division Regional Office per Part III, Section C, Item (2)(a) of this permit of this permit.
(6) Ground stabilization measures	After each phase of grading	 The phase of grading (installation of perimeter E&SC measures, clearing and grubbing, installation of storm drainage facilities, completion of all land-disturbing activity, construction or redevelopment, permanent ground cover). Documentation that the required ground stabilization measures have been provided within the required timeframe or an assurance that they will be provided as soon as possible.

NCG01 SELF-INSPECTION, RECORDKEEPING AND REPORTING

PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION B: RECORDKEEPING

1. E&SC Plan Documentation

The approved E&SC plan as well as any approved deviation shall be kept on the site. The approved E&SC plan must be kept up-to-date throughout the coverage under this permit. The following items pertaining to the E&SC plan shall be documented in the manner described:

Documentation Requirements
Initial and date each E&SC Measure on a copy of the approved E&SC Plan or complete, date and sign an inspection report that lists each E&SC Measure shown on the approved E&SC Plan. This documentation is required upon the initial installation of the E&SC Measures or if the E&SC Measures are modified after initial installation.
Initial and date a copy of the approved E&SC Plan or complete, date and sign an inspection report to indicate completion of the construction phase.
Initial and date a copy of the approved E&SC Plan or complete, date and sign an inspection report to indicate compliance with approved ground cover specifications.
Complete, date and sign an inspection report.
Initial and date a copy of the approved E&SC Plan or complete, date and sign an inspection report to indicate the completion of the corrective action.

2. Additional Documentation

- In addition to the E&SC Plan documents above, the following items shall be kept on the site
- and available for agency inspectors at all times during normal business hours, unless the Division provides a site-specific exemption based on unique site conditions that make this requirement not practical:
- (a) This general permit as well as the certificate of coverage, after it is received.
- (b) Records of inspections made during the previous 30 days. The permittee shall record the required observations on the Inspection Record Form provided by the Division or a similar inspection form that includes all the required elements. Use of electronically-available records in lieu of the required paper copies will be allowed if shown to provide equal access and utility as the hard-copy records.
- (c) All data used to complete the Notice of Intent and older inspection records shall be maintained for a period of three years after project completion and made available upon request. [40 CFR 122.41]

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Reporting Timeframes (Aft	ter Discovery) and Other Requirements	
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related causes, the perm monitoring, inspections	nittee may be required to perform additional or apply more stringent practices if staff al requirements are needed to assure compliance	
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been corrected, the anti	cipated time noncompliance is expected to	
prevent reoccurrence of	the noncompliance. [40 CFR 122.41(l)(6).	ZO
• Division staff may waive case-by-case basis.	the requirement for a written report on a	DUG NG
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