FLOODPLAIN NOTE THERE IS NO FLOODPLAIN ON THIS PROPERTY FROM A WATER COURSE WITH A DRAINAGE AREA EXCEEDING 100 ACRES.

WETLAND NOTE

THERE ARE NO WETLANDS ON THIS SITE.

STORM WATER MANAGEMENT NOTE STORM WATER MANAGEMENT FOR THIS PROJECT IS PROVIDED ON-SITE.

> STATE WATERS BUFFER NOTE THERE ARE NO STATE WATERS BUFFERS ON OR WITHIN 200 FEET OF THIS PROPERTY.

> > WETLAND CERTIFICATE

WETLAND CERTIFICATION: THE DESIGN PROFESSIONAL. WHOSE SEAL APPEARS HEREON, CERTIFIES THE FOLLOWING 1) THE NATIONAL WETLAND INVENTORY MAPS HAVE BEEN CONSULTED: AND, 2) THE APPROPRIATE PLAN INDICATE AREAS OF U.S. ARMY CORPS OF ENGINEERS JURISDICTIONAL WETLANDS AS SHOWN ON TH MAPS: AND 3) IF WETLANDS ARE INDICATED, THE LAND OWNER OR DEVELOPER HAS BEEN ADVISED THAT LAND DISTURBANCE OF PROTECTED WETLANDS SHALL NOT OCCUR UNLESS THE APPROPRIATE FEDERAL WETLANDS ALTERATION (SECTION 404) PERMIT HAS BEEN OBTAINED

APPROVAL OF THESE PLANS DOES NOT CONSTITUTE APPROVAL BY FANNIN COUNTY OF ANY LAND DISTURBING ACTIVITIES WITHIN WETLAND AREAS. IT IS THE RESPONSIBILITY OF THE PROPERTY OWNER TO CONTACT THE APPROPRIATE REGULATORY AGENCY FOR APPROVAL OF ANY WETLAND AREA DISTURBANCE









SITE DEVELOPMENT PLANS FOR BLUE RIDGE ASSISTED LIVING DEVELOPMENT EXPANSION

1600 BALLEWTOWN ROAD BLUE RIDGE, GEORGIA 30513 LAND LOT 28 / 7TH-2ND DISTRICT / PARCEL ID 0054 A 018 1A FANNIN COUNTY

PHASE II CONSTRUCTION

DEVELOPER BRGA PROPERTY VENTURE, LLC 27599 RIVERVIEW CENTER BLVD., SUITE 201 BONITA SPRINGS, FL TAMMY KAMINSKI PHONE: (239) 908-2921

TOTAL AREA = 9.73 ACRES DISTURBED AREA = 2.49 ACRES

01/30/2018

PROJECT DESCRIPTION EXISTING CONDITIONS CONTAIN ONE ASSISTED LIVING RESIDENTIAL BUILDING. THE GROUNDS ARE CLEARED AND ANDSCAPED WITH SOME DRAINAGE AREAS. THE AREA. HAS PRE-DEVELOPED UTILITIES THAT SERVICE THE CONSTRUCTION AND DEMOLITION. THE ADJACENT LOTS THE EAST ARE WOODED WITH SOME PAVING FOR DRIVEWAY AND PARKING AREAS. THE LOT NORTH OF THE PROPERTY IS CLEARED OF VEGETATION WITH MAINLY GRASSED AND GRAVEL AREAS.



3830 EAST FIRST STREET, SUITE 1 BLUE RIDGE, GEORGIA 30513 TEL: (706) 632-4981 FAX: (706) 632-4982 CONTACT: REID DYER HJA PROJECT NO.: 17-0579-C

24 HOUR CONTACT FOR **EROSION CONTROL** REID DYER (706) 632-4981

> THE ESCAPE OF SEDIMENT FROM THE SITE SHALL **BE PREVENTED BY THE INSTALLATION OF EROSION** AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

	REVISIO
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DATE OF INSPECTION

PLAN ON THE DATE OF INSPECTION.

REID DYER, RLA GSWCC LEVEL II DESIGN PROFESSIONAL #06911 INSPECTION REVEALED THE FOLLOWING DISCREPANCIES FROM

THE ES&PC PLAN.

THESE DEFICIENCIES MUST BE ADDRESSED WITHIN 2 SHALL NOT PROCEED ON THE SITE UNTIL DESIGN PROFESSIONAL CERTIFICATION IS OBTAINED.

Sh	eet List Table			
Sheet Number	Sheet Title			
C-00	COVER			
C-01	GENERAL NOTES & LEGEND			
C-02	EXISTING CONDITIONS			
C-03	DEMOLITION PLAN			
C-04	SITE PLAN			
C-05	GRADING & DRAINAGE PLAN			
C-06	UTILITY PLAN			
C-07	UTILITY PROFILES			
C-08	EC Phase 1			
C-09	EC Phase 2			
C-10	EC Phase 3			
C-11	ES & PC NOTES			
C-12	EROSION CONTROL DETAILS			
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C-14	EROSION CONTROL DETAILS			
C-15	EROSION CONTROL DETAILS			
C-16	WATER-SEWER DETAILS			
C-17	WATER-STORM DETAILS			
C-18	STORM DETAILS			
C-19	STREET DETAILS			



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DESIGN PROFESSIONAL 7-DAY VISIT CERTIFICATION

I CERTIFY THE SITE WAS IN COMPLIANCE WITH THE ES&PC

BUSINESS DAYS AND A RE-INSPECTION SCHEDULED. WORK



Call before you dig

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JAMES

	LEGEND	
PROPOSED	DESCRIPTION	EXISTING
	DOUBLE WING CATCH BASIN	
	SINGLE WING CATCH BASIN	
	HOODED CATCH BASIN	
	GRATE INLET / DROP INLET	
	FLARED END SECTION	
	OUTLET CONTROL STRUCTURE	
6	SANITARY SEWER MANHOLE	(S)
	STORM SEWER MANHOLE	\bigcirc
	WEIR INLET	
	YARD INLET IRECTIONAL ARROWS (FOR INFORMATION ONLY TO INDICATE TRAFFIC FLOW) DIRECTIONAL ARROWS ON PAVEMENT	N 45
0	CLEANOUT	0
©		Ē
CATV	CABLE TV BOX	CATV
0	TELEPHONE MANHOLE	<u></u>
A	LIGHT POLE	\\$
ø to tot	POWER POLE	ø
₩ ₩ ₩	POWER POLE WITH LIGHT	
Р		P
T		т
CATV	- CABLE TELEVISION LINE -	CATV
	VALVE	
w		W
NPW NPW	— WATER LINE (NON-POTABLE) —	— NPW —— NPW ——
RW		RW
	WATER PIPE REDUCER	
	FIRE HYDRANT	Δ
	PLUGGED STUB	
© ⊕	WELL MONITORING WELL	(W) (H)
0	AIR VENT	\bigcirc
SS	— SANITARY SEWER PIPE —	SS
FM	- SANITARY SEWER FORCEMAIN -	FM
	PROPERTY LINE	
		·
	ACCESS EASEMENT	
xxx		-xxx
000		000
+ XXX.xx	SPOT ELEVATION	+ XXX.xx
	TREE LINE	\sim
	SIGNIFICANT TREES	
	GUARD RAIL	
	LOT NUMBER	
(XX) (XX)	NUMBER OF PARKING SPACE NUMBER	(XX)
•	SIGN w/POST	•
•	DOUBLE SIGN w/POST	4
• 	WHEEL STOP	
દ	HANDICAP PARKING	E
₽	SATELLITE DISH	ĘĮ.
×	ROCK BORE LOCATION	
	GIS BENCHMARK	
	TRAVERSE POINT	
	RIGHT OF WAY MONUMENT	
	IRON PIN FOUND	©
	WETLAND AREA	\checkmark
	LAND LOT LINE	
	LAND LOT NUMBER	$\left(\begin{array}{c} \frac{LL}{XXX} \end{array}\right)$

GENERAL CONSTRUCTION NOTES

1. ALL CONSTRUCTION SHALL CONFORM TO BOTH PLANS AND SPECIFICATIONS FOR THIS PROJECT. ALL ITEMS NECESSARY FOR A COMPLETE AND WORKABLE JOB SHALL BE FURNISHED AND INSTALLED.

- 2. ALL DIMENSIONS ARE TO BACK OF CURB, FACE OF BUILDING, CENTER OF COLUMN, EDGE OF PAVEMENT, CENTERLINE OF PIPE, OR CENTER OF STRUCTURE UNLESS OTHERWISE NOTED.
- 3. EQUIPMENT AND MATERIALS SHALL BE STORED IN AREAS DESIGNATED BY THE OWNER. CONSTRUCTION AND STORAGE AREAS SHALL BE KEPT NEAT AND CLEAN. TREE SAVE AREAS SHALL NOT BE USED FOR STORAGE OR PARKING.
- 4. THE CONTRACTOR SHALL FIELD VERIFY THE ELEVATIONS OF ALL TIE-IN POINTS FOR THE INSTALLATION OF UTILITIES, CURB & GUTTER, AND PAVEMENT PRIOR TO CONSTRUCTION.
- NOTIFY ENGINEER IMMEDIATELY IF DIFFERENT THAN AS SHOWN ON PLANS. 5. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN THE PLANS
- AND FIELD CONDITIONS IMMEDIATELY UPON DISCOVERY. 6. ALL WORK WILL COMPLY WITH APPLICABLE STATE AND LOCAL CODES, SPECIFICATIONS AND REQUIREMENTS. ALL NECESSARY LICENSES AND PERMITS SHALL BE OBTAINED BY THE CONTRACTOR AT HIS EXPENSE. CONTRACTOR SHALL VERIFY THAT ALL NECESSARY PERMITS AND APPROVALS ARE OBTAINED PRIOR TO CONSTRUCTION.
- 7. DEVIATIONS FROM THESE PLANS, NOTES AND/OR SPECIFICATIONS WITHOUT PRIOR WRITTEN CONSENT OF THE OWNER, HIS REPRESENTATIVE OR THE ENGINEER MAY RESULT IN THE WORK BEING UNACCEPTABLE BY THE OWNER, AND REDONE TO MEET THE PLANS, NOTES AND SPECIFICATIONS.
- 8. THE CONTRACTOR IS RESPONSIBLE FOR ALL SITE SAFETY AS WELL AS THE WAYS, MEANS AND METHODS OF CONSTRUCTION.
- 9. CONTRACTOR SHALL COORDINATE CONSTRUCTION TRAFFIC AND GENERAL PUBLIC TRAFFIC ROUTING WITH OWNER AND APPROPRIATE REGULATING AGENCY PRIOR TO CONSTRUCTION.
- 10. CONTRACTOR SHALL NOT WILLINGLY PROCEED WITH CONSTRUCTION IN A PARTICULAR AREA WHEN IT IS OBVIOUS THAT UNKNOWN OBSTRUCTION AND/OR DIFFERENCES FROM EXISTING CONDITIONS THAT MAY NOT HAVE BEEN KNOWN DURING DESIGN. SUCH CONDITIONS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATION.
- 11. CITY/COUNTY/STATE INSPECTORS MAY REQUIRE CHANGES TO THE DRAWINGS AND/OR SPECIFICATIONS BASED ON THEIR INSPECTION. CONTRACTOR SHALL BRING ANY REQUIRED CHANGES TO THE ENGINEERS ATTENTION IMMEDIATELY.
- 12. THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES AROUND THE WORK AND SHALL PROVIDE PROTECTION AGAINST WATER DAMAGE AND SOIL EROSION.
- 13. ALL WORK SHALL BE PERFORMED AND FINISHED IN A WORKMANLIKE MANNER TO THE ENTIRE SATISFACTION OF THE OWNER, AND IN ACCORDANCE WITH THE BEST RECOGNIZED TRADE PRACTICES.
- 14. ALL MATERIAL SHALL BE NEW- NO USED OR SALVAGED MATERIALS.
- 15. ALL BUFFERS AND TREE SAVE AREAS SHALL BE CLEARLY IDENTIFIED WITH FLAGGING AND/OR FENCING PRIOR TO COMMENCEMENT OF ANY LAND DISTURBANCE ACTIVITIES.
- 16. LANDSCAPING IS A HIGH PRIORITY. PROPER PROTECTION OF EXISTING LANDSCAPING, FENCES, PROPERTY CORNERS AND/OR D.O.T. CONCRETE RIGHT-OF-WAY MONUMENTS SHALL BE PROVIDED. WHERE DAMAGE OCCURS, REPLACEMENT TO EXISTING CONDITION IS REQUIRED. ALL LANDSCAPING REPLACEMENT IS SUBJECT TO APPROVAL FROM FORSYTH COUNTY AND THE ENGINEER.
- 17. CONTRACTOR SHALL IMMEDIATELY INFORM THE ENGINEER OF ANY DISCREPANCIES OR ERRORS HE DISCOVERS IN THE PLANS.
- 18. CONTRACTOR SHALL PROVIDE RECORD DRAWINGS IF REQUIRED BY OWNER.
- 19. THIS PLAT IS NOT FOR RECORDING.
- 20. UTILITY LOCATIONS ARE SHOWN TO THE BEST KNOWLEDGE OF THE ENGINEER. CONTRACTOR IS SOLELY RESPONSIBLY FOR FIELD VERIFICATION OF ALL UTILITIES AND WILL NOT BE ENTITLED TO ANY EXTRA COMPENSATION ON ACCOUNT OF INACCURACY OR INCOMPLETENESS OF SUCH INFORMATION.
- 21. MAXIMUM CUT OF FILL SLOPES ARE 2 HORIZONTAL TO 1 VERTICAL. 22. UTILITY COORDINATION SHALL BE INCLUDED IN THE PROJECT SCHEDULE AND IS THE EXPLICIT RESPONSIBILITY OF THE CONTRACTOR TO ASSURE THAT THE PROJECT
- SCHEDULE INCLUDES THE NECESSARY RELOCATIONS. THE CONTRACTOR WILL NOT BE PAID ADDITIONALLY FOR THIS COORDINATION. THE CONTRACTOR SHOULD SEEK ASSISTANCE FROM ALL UTILITY COMPANIES TO LOCATE AND PROTECT THEIR FACILITIES. 23. CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES AND PRECAUTIONS TO ASSURE
- THAT EXISTING SEWER LINES, AND WATER LINES REMAIN FUNCTIONAL AND UNDISTURBED.
- 24. ALL WORK SHALL BE PERFORMED AND FINISHED IN A WORKMANLIKE MANNER TO THE ENTIRE SATISFACTION OF THE OWNER AND IN ACCORDANCE WITH THE BEST RECOGNIZED TRADE PRACTICES.
- 25. CONTRACTOR IS RESPONSIBLE FOR ADDITIONAL STAGING AND/OR STORAGE REQUIRED OUTSIDE OF THE EASEMENTS PROVIDED BY OWNER. CONTRACTOR TO ALSO LOCATE STAGING AREAS AND EQUIPMENT MAINTENANCE AREAS (PARTICULARLY FOR OIL CHANGES) AT LEAST 200 FEET FROM STREAM BANKS TO MINIMIZE THE POTENTIAL FOR WASH WATER, PETROLEUM PRODUCTS, OR OTHER CONTAMINANTS FROM CONSTRUCTION EQUIPMENT ENTERING THE STREAMS.
- 26. A GEOTECHNICAL REPORT ENTITLED ***TEST BORING RECORD, FOR BLUE RIDGE ASSISTED** LIVING EXPANSION", BY NOVA, DATED 12-07-17 WAS PREPARED. THE CONTRACTOR MUST FAMILIARIZE HIMSELF WITH THIS REPORT AND FOLLOW ALL RECOMMENDATIONS MADE IN SAID REPORT.

SITE CLEARING & SITE DEMOLITION NOTES

- 1. CONTRACTOR SHALL CLEARLY MARK AND MAINTAIN PROPERTY CORNER MONUMENTS AND BENCHMARKS AND WILL BE RESPONSIBLE FOR THE COST OF REPLACING THEM IF DISTURBED OR DESTROYED. 2. THE CONTRACTOR SHALL HAVE THE LIMITS OF CLEARING AND DEMOLITION AND ALL BUFFERS
- LOCATION OF THE TREE SAVE FENCE AND PROPOSED IMPROVEMENTS PRIOR TO CLEARING AND DEMOLITION. 3. CONTRACTOR SHALL PROTECT ALL ADJACENT LANDS FROM DAMAGE DURING CLEARING & DEMOLITION WORK. ANY OFF-SITE AREAS DISTURBED SHALL BE RETURNED TO A CONDITION EQUAL TO OR BETTER THAN THE EXISTING CONDITION AT NO ADDITIONAL COST TO THE
- 4. NO CLEARING OR DEMOLITION MATERIALS SHALL BE DISPOSED OF ON-SITE ALL DEBRIS SHALL BE HAULED OFF-SITE TO DISPOSAL AREAS APPROVED BY THE STATE OF GEORGIA FOR THE HANDLING OF CLEARING & DEMOLITION MATERIALS. 5. ALL VEGETATION (UNLESS OTHERWISE NOTED), ROOT SYSTEMS, TOPSOIL, REFUSE, OTHER

OWNF

- DELETERIOUS MATERIAL, EXISTING PAVEMENTS, CURBS, ORGANICS AND UNSUITABLE BEARING SOILS SHALL BE STRIPPED FROM THE SURFACE WITHIN THE CONSTRUCTION LIMITS AND DISPOSED OF OFFSITE TO A DISPOSAL AREA APPROVED BY THE STATE OF GEORGIA FOR THE HANDLING OF CLEARING & DEMOLITION MATERIALS.
- 6. CLEAN TOP SOIL MAY BE STOCKPILED IN AN AREA APPROVED BY THE ENGINEER AND REUSED LATER IN THE TOP 4" OF LANDSCAPED AREAS ONLY. EXCESS TOPSOIL SHALL BE DISPOSED OF OFFSITE.
- 7. ALL STRUCTURES NOT IDENTIFIED FOR DEMOLITION SHALL BE PROTECTED FROM DAMAGE DURING ALL PHASES OF CONSTRUCTION. ANY STRUCTURES THAT ARE TO REMAIN THAT ARE DAMAGED SHALL BE REPAIRED BY THE CONTRACTOR TO A CONDITION EQUAL TO OR BETTER THAN THE EXISTING CONDITION AT NO ADDITIONAL COST TO THE OWNER.
- 8. CONSTRUCTION ENTRANCE, SILT FENCE AND ANY OTHER REQUIRED EROSION CONTROL DEVICE SHALL BE IN PLACE PRIOR TO CLEARING & DEMOLITION OPERATIONS.
- 9. DISCONNECT AND SEAL OFF ABANDONED UTILITIES AND UTILITIES TO BE REMOVED PRIOR TO START OF DEMOLITION. UTILITIES SHALL BE DISCONNECTED BELOW EXISTING GRADE OR OUTSIDE OF CONTRACT LIMITS BY THE APPLICABLE UTILITY OWNER. ALL COSTS FOR THIS WORK SHALL BE BORNE BY THE CONTRACTOR.
- 10. ALL STRUCTURES TO BE DEMOLISHED SHALL BE COMPLETELY REMOVED ABOVE AND BELOW GRADE. ABANDONED SERVICE LINES TO THE STRUCTURES SHALL ALSO BE REMOVED. CONTRACTOR TO PROVIDE ALL NECESSARY BARRICADES, SUFFICIENT LIGHTS, SIGNS AND OTHER TRAFFIC CONTROL MEASURES AS MAY BE NECESSARY FOR THE PROTECTION AND SAFETY OF THE PUBLIC THROUGHOUT CLEARING, DEMOLITION AND CONSTRUCTION IN COMPLIANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" CURRENT EDITION. THE GEORGIA D.O.T. SPECIFICATIONS SECTION 150 AND ANY RULES AND REGULATIONS OF
- 12. THE EXISTING TREES SHOWN ON THESE PLANS MAY ONLY BE THE MINIMAL AMOUNT SURVEYED AS REQUIRED FOR PERMITTING. THE SITE MAY HAVE ADDITIONAL TREES BEYOND THAT WHICH IS SHOWN. THE CONTRACTOR SHALL VISIT THE SITE BEFORE MAKING HIS BID TO INVESTIGATE THE AMOUNT OF EXISTING TREES THAT WILL NEED TO BE REMOVED WITHIN THE LIMITS OF CLEARING.

THE LOCAL AUTHORITY HAVING JURISDICTION OVER THIS PROJECT.

	ABB	REVIATIONS	
AE -ACCESS EASEMENT A.K.AALSO KNOW APPROX -APPROXIMATT ARV -AIR RELEASE VA B&D -BEARING AND DI BC -BACK OF CURB BCCMP -BITUMINOUS C BLDG -BUILDING B/L -BUILDING LINE BM -BENCHMARK CB -CATCH BASIN C & G -CURB & GUTT CMF -CONCRETE MONU CMP -CORRUGATED ME CMS -CONCRETE MONU CMP -CORRUGATED ME CMS -CONCRETE MONU CONC -CLEANOUT CONC -CLEANOUT CONC -CONCRETE D.BDEED BOOK DE -DRAINAGE EASEME DI -DROP INLET DIP -DUCTILE IRON PIP DS -DOWN SPOUT DWCB -DOUBLE WING C EG - EXISTING GRADE ELEV -ELEVATION EOP -EDGE OF PAVEMI ESMT -EASEMENT ETB -ELECTRIC TRANSF EXEXISTING FDC -FIRE DEPARTMEN FFE -FINISHED FLOOR FG - FINISH GRADE ELEV -FLOOR FM -SEWER FORCE MA FOC -FACE OF CURB FP - FLOOD PLAIN FT -FOOT/FEET G -GAS	T WN AS E GI – GRATE GM –GAS ME GMD –GEORG GV –GATE V GV –GATE V HC –HANDIC COATED CMP TER JMENT FOUND TER JMENT FOUND TAL PIPE JMENT SET IMENT SET IMENT SET IMENT SET FORMER BOX IN – INCH IMENT MAX ID –INSIDE D IE –INVERT E IN –INCH IPF –IRON P IPS –IRON P IN –INCH ID –INSIDE D IE –INVERT E IN –INCH ID –INSIDE D IE –INVERT E IN –INCH ID –INSIDE D IE –INVERT E IN –INCH IPF –IRON P IPS –IRON P IPS –IRON P IPS –IRON P IPS –IRON P IPS –IRON P IPS –IRON P IN –INCH ID –INSIDE D IN –INCH IT – LINEAR LLL –LAND L LOD –LIMITS L.P. –LIGHT MAX –MAXIM MH –MANHOU MIN –MINIMU MISC –MISCE MON –MONUI ISC –NISCE MON –MONUI ISC –NISCE MON –MONUI ISC –NISCE MON –NONUMBE NPW – NOW NTS –NOT T NO. –NUMBE NPW – NOW OCS –OUTLE OD –OUTSIDE P.B. –PLAT PC –POINT (C PG –POINT (C P	INLET TER JA MILITIA DISTRICT JA MILITIA DISTRICT JA DOSITIONING SYSTEM ALVE AP DENSITY POLYETHYLENE ULIC GRADE LINE SE LOCATION PLAN RED DINT ALL IAMETER CLEVATION IN FOUND IN SET TON LINE N BOX FOOT/FEET OT LINE OF DISTURBANCE POLE UM LLANEOUS MENT SEA LEVEL D TREE OR FORMERLY D SCALE R -POTABALE WATER T CONTROL STRUCTURE E DIAMETER BOOK OF CURVATURE Y LINE T OF BEGINNING	P.O.CPOINT OF COMMENCEMENT PROPPROPOSED PTPOINT OF TANGENCY PVMTPAVEMENT PVCPOLYVINYL CHLORIDE PIPE RRADIUS RCPREINFORCED CONCRETE PIPE R.D.PRESIDENTIAL DRAINAGE PLAN REQUIRED REVREVISED OR REVISION RWREUSE WATER R/WRIGHT OF WAY SDSTORM DRAIN SSSANITARY SEWER SSESANITARY

STAKED WITH FLAGGING STRUNG BETWEEN ANGLE POINTS TO ENSURE THE PROPER

REFERENCES

TOPOGRAPHIC INFORMATION BASED ON A TOPOGRAPHIC WORKSHEET FOR BRGA PROPERTY VENTURE, LLC. DATED 10-31-17 AND PREPARED BY HAYES, JAMES & ASSOCIATES, INC., 3830 EAST FIRST STREET, SUITE 1, BLUE RIDGE GA 30513, (706) 632-4981. BOUNDARY INFORMATION BASED ON A ALTA/ACSM SURVEY FOR BRGA PROPERTY VENTURE,

LLC, DATED 10-07-16 AND PREPARED BY LANE S. BISHOP & ASSOC. THE SURVEY INDICATES THAT THIS PROPERTY **DOES NOT** LIE WITHIN A FLOOD HAZARD ZONE X AS IDENTIFIED ON A F.I.R.M. COMMUNITY PANEL NO. 13111C0177 E DATED 09-17-10 AS PUBLISHED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY - FEDERAL HAZARD INSURANCE ADMINISTRATION.

4. THIS SITE **DOES NOT** CONTAIN WETLANDS.

- 5. LAKE **DOES NOT** EXIST WITHIN 500' OF THE SITE.
- 6. A 50' UNDISTURBED VEGETATIVE BUFFER AND 75' IMPERVIOUS SETBACK WILL BE MAINTAINED ADJACENT TO STATE WATERS, INCLUDING WETLANDS (FROM TOP OF BANK TO OR EDGE OF WATER). 7. SITE DOES NOT CONTAIN STATE WATERS WHICH ARE SUBJECT TO A 50-FOOT STATE
- WATERS BUFFER AND A 50-FOOT UNDISTURBED COUNTY BUFFER FROM TOP OF BANK OR EDGE OF WATER.

UTILITY NOTES

- 1. ALL IMPROVEMENTS TO CONFORM WITH CITY OF BLUE RIDGE CONSTRUCTION STANDARDS AND SPECIFICATIONS (LATEST EDITION). THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE APPLICABLE UTILITY AND OBTAINING TH APPLICABLE SPECIFICATIONS.
- 2. CONTRACTOR TO NOTIFY CITY OF BLUE RIDGE INSPECTOR DEPARTMENT 24 HOURS PRIOR TO BEGINNING EVERY PHASE OF CONSTRUCTION. PHONE: (706) 632-2091.
- 3. ALL WORK SHALL COMPLY WITH APPLICABLE STATE, FEDERAL, AND LOCAL CODES AND ALL NECESSARY LICENSES AND PERMITS SHALL BE OBTAINED BY THE CONTRACTOR AT
- HIS EXPENSE UNLESS PREVIOUSLY OBTAINED BY THE OWNER. 4. ALL WORK PERFORMED ON COUNTY RIGHT-OF-WAYS SHALL BE IN STRICT CONFORMANCE
- WITH APPLICABLE FANNIN COUNTY STANDARDS & SPECIFICATIONS. 5. ANY WORK IMPACTING TRAFFIC FLOW OR SAFETY SHALL BE DONE IN ACCORDANCE WITH
- AND APPROVED BY FANNIN COUNTY ENGINEERING DEPARTMENT AND GEORGIA D.O.T. 6. ALL MATERIAL SHALL BE NEW UNLESS USED OR SALVAGED MATERIALS ARE APPROVED BY
- THE OWNER IN WRITING. 7. RIP-RAP SHALL BE PLACED AT ALL STORM DRAIN HEADWALLS AND CONSIST OF 50
- POUND STONES. 8. ALL DISTURBED AREAS TO BE RETURNED TO EXISTING GRADE AS SOON AS CONSTRUCTION
- PHASES PERMIT. 9. THERE WILL BE NO DISPOSAL OF DEBRIS ONSITE, ALL CONSTRUCTION DEBRIS SHALL BE
- REMOVED AND DISPOSED OF PROPERLY BY THE CONTRACTOR. 10. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF ALL INFRASTRUCTURE FOR A ONE
- YEAR PERIOD FOLLOWING FINAL ACCEPTANCE OF THE PROJECT BY OWNER.
- 11. CONTRACTOR TO NOTIFY UTILITY PROTECTION AGENCY 72 HOURS PRIOR TO START OF WORK. PHONE: 811
- 12. ALL PERMANENT SANITARY SEWER EASEMENTS SHOULD BE DRIVABLE WITH NO CROSS SLOPES OVER 14%.
- 13. CONSTRUCTION DEBRIS, LIQUID CONCRETE, OLD RIP-RAP, OLD SUPPORT MATERIALS, AND OTHER LITTER IN STREAMS OR IN AREAS OF POTENTIAL MIGRATION INTO THE STREAM IS PROHIBITED
- 14. NO BURY PITS ALLOWED WITHIN SANITARY SEWER EASEMENTS.
- 15. NO FENCES, STRUCTURES, OR OTHER OBSTRUCTIONS ALLOWED WITHIN SANITARY SEWER EASEMENTS UNLESS OTHERWISE SHOWN IN DRAWINGS
- 16. ALL MANHOLES SHALL USE CAST IN BOLT DOWN RING, COVER AND GASKET.
- 17. THE ONLY MATERIAL TO BE BURIED ON-SITE IS VEGETATIVE MATERIAL, PROVIDED IT IS NOT BURIED WITHIN 100' OF ANY PROPERTY LINE OR ENCLOSED STRUCTURE. CONSTRUCTION WASTE MAY NEITHER BE BURNED NOR BURIED AND MUST BE TAKEN TO STATE APPROVED LANDFILL.
- 18. ALL PIPE BEDDING SHALL BE TYPE III UNLESS OTHERWISE NOTED IN THE DRAWING.





















- EROSION NOTES:
- 1. THE EXISTING LAND IS CURRENTLY CLEAR CUT AND GRASSED. 1 EXISTING BUILDING IS WITHIN THE
- 2. THE PROPOSED USE OF THE LAND IS A #SFT BUILDING AND ASSOCIATED PARKING AND DRIVES.
- **3. PROPERTY OWNER:** PROPERTY VENTURE, LLC 27599 RIVERVIEW CENTER BLVD, SUITE 201, BONITA SPRINGS, FL (239) 908–2921
- 4. PROJECT ACREAGE = 9.739 ACRES
- 5. DISTURBED AREA = 2.49 ACRES
- 6. THE ADJACENT PROPERTY IS ZONED N/A.
- THE RECEIVING WATER IS CHERRY LOG CREEK. 7. THERE ARE NO STREAM BUFFERS ON THE PROJECT.
- 8. MAINTENANCE OF ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES, WHETHER TEMPORARY OR PERMANENT, SHALL BE AT ALL TIMES THE RESPONSIBILITY OF THE CONTRACTOR.
- 9. SEDIMENT STORAGE MAINTENANCE INDICATORS MUST BE INSTALLED IN STORAGE STRUCTURES, INDICATING THE ½ FULL VOLUME (CLEAN OUT LEVEL).
- 10. DETENTION POND, DETENTION OUTLET STRUCTURES AND TEMPORARY SEDIMENT POND FEATURES ARE TO BE CONSTRUCTED AND FULLY OPERATIONAL PRIOR TO ANY OTHER CONSTRUCTION GRADING.
- ALL FILL SLOPES SHALL HAVE SILT FENCE PLACED AT THE SLOPE'S TOE.
 CONCENTRATED FLOW AREAS AND ALL SLOPES GREATER THAN 2.5:1 WITH A HEIGHT OF 10 FEET
- OR GREATER SHALL BE STABILIZED WITH THE APPROPRIATE EROSION CONTROL MATTING OR BLANKET. 13. THERE ARE NO WETLANDS ON THE PROPOSED PROJECT. THERE ARE NO STATE WATERS WITHIN 200 FEET OF THE PROPOSED PROJECT.
- 14. SOLID WASTE DISPOSAL TO BE OFF-SITE AS DESCRIBED IN THE SOLID WASTE MANAGEMENT AFFIDAVIT. NOT DISCHARGE TO WATERS OF THE STATE EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.
- 15. THIS SITE DOES DISCHARGE WITHIN 1 MILE OF AN IMPAIRED STREAM.
- II EROSION NOTES:
- THE CONTRACTOR IS RESPONSIBLE FOR THE FILING BOTH A NOTICE OF INTENT AND A NOTICE OF TERMINATION (NOI/NOT) WITH THE GEORGIA E.P.D.
- SEDIMENT AND EROSION CONTROL MEASURES AND PRACTICES TO BE INSPECTED DAILY.
 DISTURBED AREAS ARE TO BE GRASSED AS SOON AS CONSTRUCTION PHASES PERMIT.
- 4. INSPECTIONS BY QUALIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE AND THE
- ASSOCIATED RECORDS SHALL BE KEPT ON SITE IN COMPLIANCE WITH GAR. 100001.
 STORAGE LOCATION AND DISPOSAL PROCEDURES FOR CONCRETE TRUCK OR MIXER WASH OUT: CONCRETE TRUCK WAS OUT LOCATION SHALL BE IN A TEMPORARY TRUCK WASH AREA LOCATED IN AN AREA DESIGNATED BY THE CONTRACTOR. WASH OUT SHALL BE CONTAINED WITHIN A PIT OR TRENCH WITH NO MATERIAL LEAVING THE SITE OR IMPACTING VEGETATED AREAS SHOWN TO BE SAVED ON THE TREE SAVE PLAN. DISPOSAL OF MATERIAL SHALL BE EITHER THE BREAKING OF MATERIAL INTO ACCEPTABLE PIECES AND PLACEMENT WITHIN UNCLASSIFIED FILL AREAS AS DIRECTED BY THE ONSITE GEOTECHNICAL ENGINEER.
- 6. PAINT AND/OR OTHER CHEMICALS SHALL BE STORED IN SECURED FACILITIES WITH RESTRICTED ACCESS TO EMPLOYEES ONLY. CLEAN UP AND DISPOSAL OF THIS MATERIAL SHALL BE IN ACCORDANCE WITH ALL RECOGNIZED LOCAL AND FEDERAL REQUIREMENTS. ALL DISPOSAL SHALL BE APPROVED OFF-SITE WASTE FACILITIES CLASSIFIED TO ACCEPT THAT MATERIAL.
- 7. EMERGENCY PROCEDURES FOR SPILL OR REPORTABLE QUALITY OF PETROLEUM PRODUCTS: ALL PETROLEUM PRODUCTS SHALL BE STORED AND USED IN AN AREAS THAT PROVIDES A SECONDARY CONTAINMENT FEATURE. TYPICALLY THIS WILL CONSIST OF AN EARTHEN BERM CONSTRUCTED AROUND 3 SIDES OF THE STORAGE AREA. EMERGENCY PROCEDURES FOR SPILLS SHALL BE KEPT IN THE CONSTRUCTION TRAILER INCLUDING EMERGENCY CONTACT NUMBERS. THE CONTRACTOR SHALL LOCATED STORAGE FACILITIES IN AREAS WITH THE LEAST FORESEEABLE IMPACT IF A CATASTROPHIC EVENT SHOULD OCCUR.
- 8. PORTAJOHNS SHALL BE LOCATED ONSITE AND USED DURING CONSTRUCTION.

III EROSION NOTES:

- 1. PRIOR TO ANY OTHER CONSTRUCTION, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AT EACH ENTRY TO OR EXIT FROM THE SITE.
- 2. THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH STONE, AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEAN-OUT OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM THE VEHICLES ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED.
- 3. PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY, THE LIMITS OF LAND DISTURBANCE SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS, OR OTHER APPROPRIATE MEANS. THE LOCATION AND EXTENT OF ALL AUTHORIZED LAND DISTURBANCE SHALL OCCUR WITHIN THE APPROVED LIMITS INDICATED ON THE APPROVED PLANS.
- IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION ENTRANCES/EXISTS, ALL PERIMETER EROSION CONTROL DEVICES AND STORM WATER MANAGEMENT DEVICES SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION.
- 5. THE OWNER AGREES TO PROVIDE AND MAINTAIN OFF-STREET PARKING ON THE SUBJECT PROPERTY DURING THE ENTIRE CONSTRUCTION PERIOD.
- 6. THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES WHILE ROADWAY FRONTAGE IMPROVEMENTS ARE BEING MADE.
- 7. THE CONSTRUCTION OF THE SITE WILL INITIATE WITH THE INSTALLATION OF EROSION CONTROL MEASURES SUFFICIENT TO CONTROL SEDIMENT DEPOSITS AND EROSION. ALL SEDIMENT CONTROL WILL BE MAINTAINED UNTIL ALL UPSTREAM GROUND WITHIN THE CONSTRUCTION AREA HAS BEEN COMPLETELY STABILIZED WITH PERMANENT VEGETATION AND ALL ROADS/DRIVEWAYS HAVE BEEN PAVED.
- 5. FAILURE TO INSTALL, OPERATE OR MAINTAIN ALL THE EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB SITE UNTIL SUCH MEASURES ARE CORRECTED BACK TO GEORGIA STANDARDS.
- 9. A COPY OF THE APPROVED LAND DISTURBANCE PLAN AND PERMIT SHALL BE PRESENT ON THE SITE WHENEVER LAND DISTURBANCE ACTIVITY IS IN PROGRESS.

CRITICAL AREAS:

- 1. EXISTING ROADS
- DIVERSION DITCHES AND/OR A DOUBLE ROW OF SILT FENCE SHALL BE INSTALLED ALONG EXISTING EDGE OF PAVEMENT TO PREVENT SEDIMENT FROM ESCAPING.
 EXISTING INLETS SHALL BE PROTECTED W/ Sd2-F OR Sd2-P AS SHOWN TO PREVENT CLOGGING OF EXISTING STORM PIPE. EXISTING PIPE SYSTEMS SHALL BE INSPECTED AND
- CLEANED AFTER EVERY RAINFALL. . THERE ARE STEEP SLOPES WITHIN THE PROJECT AREA: THESE SLOPES WILL BE STABILIZED WITH THE APPROPRIATE MATTING. DIVERSION DITCHES SHALL DIRECT RUNOFF TO THE APPROPRIATE DOWNSTREAM STRUCTURE.

DESCRIPTION OF MAJOR ACTIVITIES:

PHASE 1 EROSION CONTROL CONSISTS OF INITIAL PERIMETER CONTROLS, AND INSTALLATION OF SEDIMENT STORAGE BMPS. PHASE 2 EROSION CONTROL CONSISTS OF MAINTENANCE OF THE PERIMETER CONTROLS AND SEDIMENT STORAGE BMPS INSTALLED IN PHASE 1. PHASE 2 ALSO INCLUDES CLEARING, GRADING AND EXCAVATION

ACTIVITIES. STABILIZATION OF DISTURBED AREAS AND INSTALLATION OF BMPS TO PREVENT ESCAPE OF POLLUTANTS INTRODUCED BY CLEARING AND GRADING ACTIVITIES. PHASE 3 EROSION CONTROL CONSISTS OF MAINTENANCE OF BMPS INSTALLED IN PHASES 1 & 2 AND FINAL STABILIZATION OF THE SITE AND REMOVAL OF ALL TEMPORARY EROSION CONTROL MEASURES ONCE THE SITE IS STABILIZED.

SOIL CLASSIFICATION TABLE

JtE-JUNALUSKA-TSALI COMPLEX, 10 TO 25 PERCENT SLOPES JtF-JUNALUSKA-TSALI COMPLEX, 25 TO 45 PERCENT SLOPES

Ι	EROSION NOTES:	
1. 1 S	THE EXISTING LAND IS CURRENTLY WOODED AND GRASSED. # EXISTING BUILDINGS ARE WITHIN THE SITE.	s
2. 1 3. F 4. [PROJECT ACREAGE = 9.73 ACRES DISTURBED AREA = 2.49 ACRES	3.
5. 1 6. N	THERE ARE NO STREAM BUFFERS ON THE PROJECT. MAINTENANCE OF ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES, METHER TEMPORARY OR PERMANENT SHALL BE AT ALL TIMES THE RESPONSIBILITY OF THE	
7. 5	SEDIMENT STORAGE MAINTENANCE INDICATORS MUST BE INSTALLED IN STORAGE STRUCTURES,	
I 8. /	NDICATING THE ½ FULL VOLUME (CLEAN OUT LEVEL). ALL FILL SLOPES SHALL HAVE SILT FENCE PLACED AT THE SLOPE'S TOE.	
9. ((CONCENTRATED FLOW AREAS AND ALL SLOPES GREATER THAN 2.5:1 WITH A HEIGHT OF 10 FEET OR GREATER SHALL BE STABILIZED WITH THE APPROPRIATE EROSION CONTROL MATTING OR BLANKET.	
10. T F	THERE ARE NO WETLANDS ON THE PROPOSED PROJECT. THERE ARE NO STATE WATERS WITHIN 200 The proposed project. Solid waste disposal to be off-site as described in the solid waste management affidavity	т
Ň	NOT DISCHARGE TO WATERS OF THE STATE EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.	
II E	ROSION NOTES:	
ı. 2.	DISTURBED AREAS ARE TO BE GRASSED AS SOON AS CONSTRUCTION PHASES PERMIT.	
3.	INSPECTIONS BY QUALIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE AND THE ASSOCIATED RECORDS SHALL BE KEPT ON SITE IN COMPLIANCE WITH GAR. 100001.	
4.	STORAGE LOCATION AND DISPOSAL PROCEDURES FOR CONCRETE TRUCK OR MIXER WASH OUT: CONCRETE TRUCK WAS OUT LOCATION SHALL BE IN A TEMPORARY TRUCK WASH AREA LOCATED IN AN AREA DESIGNATED BY THE CONTRACTOR. WASH OUT SHALL BE CONTAINED WITHIN A PIT OR TRENCH WITH NO MATERIAL LEAVING THE SITE OR IMPACTING VEGETATED AREAS SHOWN TO BE SAVED ON THE TREE SAVE PLAN. DISPOSAL OF MATERIAL SHALL BE EITHER THE BREAKING OF MATERIAL INTO ACCEPTABLE PIECES AND PLACEMENT WITHIN UNCLASSIFIED FILL AREAS AS DIRECTED BY THE ONSITE GEOTECHNICAL ENGINEER.	Rodd.
5.	PAINT AND/OR OTHER CHEMICALS SHALL BE STORED IN SECURED FACILITIES WITH RESTRICTED ACCESS TO EMPLOYEES ONLY. CLEAN UP AND DISPOSAL OF THIS MATERIAL SHALL BE IN ACCORDANCE WITH ALL RECOGNIZED LOCAL AND FEDERAL REQUIREMENTS. ALL DISPOSAL SHALL BE APPROVED OFF-SITE WASTE FACILITIES CLASSIFIED TO ACCEPT THAT MATERIAL.	Ballewtown (60' R/W) (DAVED)
6.	EMERGENCY PROCEDURES FOR SPILL OR REPORTABLE QUALITY OF PETROLEUM PRODUCTS: ALL PETROLEUM PRODUCTS SHALL BE STORED AND USED IN AN AREAS THAT PROVIDES A SECONDARY CONTAINMENT FEATURE. TYPICALLY THIS WILL CONSIST OF AN EARTHEN BERM CONSTRUCTED AROUND 3 SIDES OF THE STORAGE AREA. EMERGENCY PROCEDURES FOR SPILLS SHALL BE KEPT IN THE CONSTRUCTION TRAILER INCLUDING EMERGENCY CONTACT NUMBERS. THE	
_	CONTRACTOR SHALL LOCATED STORAGE FACILITIES IN AREAS WITH THE LEAST FORESEEABLE IMPACT IF A CATASTROPHIC EVENT SHOULD OCCUR.	OHE
7. III E	EROSION NOTES:	OHE N34-23'07"E 500.10
1.	THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING	730 Cd-S
	WITH STONE, AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEAN—OUT OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM THE VEHICLES ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED.	
2.	THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES WHILE ROADWAY FRONTAGE IMPROVEMENTS ARE BEING MADE.	LIMIT OF DISTURBANCE
3.	THE CONSTRUCTION OF THE SITE WILL INITIATE WITH THE INSTALLATION OF EROSION CONTROL MEASURES SUFFICIENT TO CONTROL SEDIMENT DEPOSITS AND EROSION. ALL SEDIMENT CONTROL WILL BE MAINTAINED UNTIL ALL UPSTREAM GROUND WITHIN THE CONSTRUCTION AREA HAS BEEN COMPLETELY STABILIZED WITH PERMANENT VEGETATION AND ALL ROADS/DRIVEWAYS HAVE BEEN PAVED	1742
4.	FAILURE TO INSTALL, OPERATE OR MAINTAIN ALL THE EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB SITE UNTIL SUCH MEASURES ARE CORRECTED BACK TO GEORGIA STANDARDS.	Cd-S
5.	A COPY OF THE APPROVED LAND DISTURBANCE PLAN AND PERMIT SHALL BE PRESENT ON THE SITE WHENEVER LAND DISTURBANCE ACTIVITY IS IN PROGRESS.	
CRI	TICAL AREAS:	×1742.
1. 1.1.	EXISTING ROADS DIVERSION DITCHES AND/OR A DOUBLE ROW OF SILT FENCE SHALL BE INSTALLED ALONG EXISTING EDGE OF PAVEMENT TO PREVENT SEDIMENT FROM ESCAPING	Ss Ss 172
1.2.	EXISTING EDGE OF PAVEMENT TO PREVENT SEDIMENT FROM ESCAPING. EXISTING INLETS SHALL BE PROTECTED W/ Sd2-F OR Sd2-P AS SHOWN TO PREVENT CLOGGING OF EXISTING STORM PIPE. EXISTING PIPE SYSTEMS SHALL BE INSPECTED AND CLEANED AFTER EVERY RAINFALL.	
2.	THERE ARE STEEP SLOPES WITHIN THE PROJECT AREA: THESE SLOPES WILL BE STABILIZED WITH THE APPROPRIATE MATTING. DIVERSION DITCHES SHALL DIRECT RUNOFF TO THE APPROPRIATE DOWNSPOUT STRUCTURE.	
		DISTU ARI
WAF	RM WATER (SUPPORTING WARM WATER FISHERIES)	(Cd-S)+
OTE C	SURFACE WATER DRAINAGE AREA, SQUARE MILES	
ACRE	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Sd2-Ex
NOTE ALL SIZE	E: NTU CHART TO BE USED IS WARM WATER. OUTLETS ON THIS SITE FALL UNDER THE SAME NTU VALUE. SITE IS 9.73 ACRES, SURFACE WATER DRAINAGE AREA IS 75 SMI.	
SEE Same Stud	PLE OUTFALLS: Y PT #1 - DESCRIPTION	
STUE	Y PT #2 - DESCRIPTION	
		Sd2-Ex Du
		AREAS
		SOZ-EX)

LIMIT OF DISTURBANCE

DOUBLE

HW /----

INVCMP 18"-

ELEV=1707.16'

ΗW

INVCMP 18"-

ELEV=1707.90'

Sy,

NPDES PLAN FOR COMPLIANCE WITH STAND ALONE CONSTRUCTION GAR100001	STATE WATERS PROTECTION PRACTICES 1. STATE WATER BUFFER SHALL BE CLEARLY IDENTIFIED WITH SIGNAGE. SAID SIGNAGE SHALL READ AS FOLLOWS: 17^{7}	MATERIALS MANAGEMENT PRACTICES THE FOLLOWING ARE THE MATERIALS MANAGEMENT PRACTICES THAT SHALL BE USED TO REDUCE THE RISK OF SPILLS AND OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF.
PERMIT COVERAGE AREA: GAR100001 PART I.A THIS PERMIT REGULATES POINT SOURCE DISCHARGES OF STORM WATER TO THE WATERS OF THE STATE OF GEORGIA FROM CONSTRUCTION ACTIVITIES, AS DEFINED IN THIS PERMIT.		GOOD HOUSEKEEPING THE FOLLOWING GOOD HOUSEKEEPING PRACTICES SHALL BE IMPLEMENTED ON-SITE DURING THE CONSTRUCTION PROJECT:
DEFINITIONS: ALL TERMS USED IN THIS PERMIT SHALL BE INTERPRETED IN ACCORDANCE WITH THE DEFINITIONS AS SET FORTH IN THE GEORGIA QUALITY CONTROL ACT (ACT) AND THE GEORGIA RULES AND REGULATIONS FOR WATER OLIVITY CONTROL CHAPTER 301-3-6 (RULES) UNLESS OTHERWISE DEFINED IN	DO NOT DISTURB	 AN EFFORT SHALL BE MADE TO STORE ONLY ENOUGH PRODUCT ON-SITE TO DO THE JOB. ALL MATERIALS STORED ON-SITE SHALL BE STORED IN A NEAT AND ORDERLY MANNER IN THAT APPROPRIATE CONTAINERS AND RESTORED UNDER A ROOT OF STRUCTURE TO AVOID RAINWATER WASHING OFF EXCESS MATERIAL
THIS PERMIT: SEE GAR10001 PART I.B, SITE DESCRIPTION	2. SIGNS SHALL BE PLACED EVERY FORTY (40) FEET ALONG THE OUTSIDE BOUNDARY PARALLEL WITH ANY STATE BUFFER IDENTIFIED ON THE SITE.	3. PRODUCTS SHALL BE KEPT IN ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURES'S LABELS.
PROJECT NAME: BLUE RIDGE ASSISTED LIVING EXTENSION PROJECT ADDRESS: 1600 BALLEWTOWN ROAD BLUE RIDGE, GA 30513 OWNERS NAME: BRGA PROPERTY VENTURE, LLC	 SIGNS SHALL BE A WEATHERPROOF AND BE MINIMUM 11" X 17" 7 MOUNTED ON 5FT HIGH SIGN POST. DO NOT POST SIGNS ON TREES TREE SAVE TAPE SHALL BE INSTALLED BETWEEN SIGNS TO OUTLINE STREAM BUFFER GAR 100001 PART IV. EROSION, SEDIMENT AND POLLUTION CONTROL PLAN 	 SUBSTANCES SHALL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER. WHENEVER POSSIBLE, ALL OF THE PRODUCT SHALL BE USED BEFORE DISPOSING OF THE CONTAINER. MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL SHALL BE FOLLOWED. THE SITE SUPERINTENDENT SHALL INSPECT THE SITE DAILY TO ENSURE PROPER STORAGE, USE AND DISPOSAL OF
OWNERS ADDRESS: OWNER'S CONTACT: 27599 RIVERVIEW CENTER BLVD., SUITE 201, BONITA SPRINGS, FLORIDA CONTACT: FACILITY'S CONTACT: CONTACT: SUPERINTENDENT> CONTACT: SUPER'S PHONE #>	(1) EXCEPT AS PROVIDED IN PART IV.(iii) BELOW, NO CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED WITHIN A 25 FOOT BUFFER ALONG THE BANKS OF ALL STATE WATERS, AS MEASURED HORIZONTALLY FROM THE POINT WHERE VEGETATION HAS BEEN WRESTED BY NORMAL STREAM FLOW OR WAVE ACTION, EXCEPT WHERE THE DIRECTOR HAS DETERMINED TO ALLOW A VARIANCE THAT IS AT LEAST PROTECTIVE OF NATURAL RESOURCES AND THE ENVIRONMENT WITH PROVISIONS OF O.C.G.A. 12-7-6, OR WHERE A DRAINAGE STRUCTURE OR A ROADWAY DRAINAGE STRUCTURE MUST BE CONSTRUCTED, PROVIDED THAT ADEQUATE EROSION CONTROL MEASURES ARE INCORPORATED IN THE PROJECT PLANS AND SPECIFICATIONS AND ARE IMPLEMENTED, OR ALONG ANY EPHEMERAL STREAM, OR WHERE BULKHEADS AND SEAWALLS MUST BE CONSTRUCTED TO	MATERIALS. HAZARDOUS PRODUCTS THE FOLLOWING PRACTICES SHALL BE FOLLOWED ON-SITE TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS. 1. ORIGINAL LABELS AND MATERIALS SAFETY DATA SHALL BE MAINTAINED SINCE THEY CONTAIN IMPORTANT PRODUCT
OPERATOR'S NAME: OPERATOR'S ADDRESS: LOCAL ISSUING AUTHORITY: <pre></pre>	 PREVENT THE EROSION OF THE SHORELINE ON LAKE OCONEE AND LAKE SNCLAIR. THE BUFFER SHALL NOT APPLY TO THE ACTIVITIES SHOWN IN PART IV.(i).(1)-(8), PROVIDED THAT ADEQUATE EROSION CONTROL MEASURES ARE INCORPORATED INTO THE PROJECT PLANS AND SPECIFICATIONS ARE IMPLEMENTED; (ii) NO CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED WITHIN A 50 FOOT BUFFER, AS MEASURED HORIZONTALLY FROM THE POINT WHERE VEGETATION HAS BEEN WRESTED BY NORMAL STREAM FLOW OR WAVE ACTION, ALONG THE BANKS OF ANY STATE WATERS CLASSIFIED AS 'TROUT STREAMS' EXCEPT WHEN APPROVAL IS GRANTED BY THE DIRECTOR FOR ALTERNATE WATERS CLASSIFIED AS 'TROUT STREAMS' EXCEPT WHEN APPROVAL IS GRANTED BY THE DIRECTOR FOR ALTERNATE 	INFORMATION. 2. IF EXCESS PRODUCT MUST BE DISPOSED OF LOCAL, STATE AND FEDERAL RECOMMENDED METHODS FOR PROPER DISPOSAL SHALL BE FOLLOWED. PROHIBITION ON NON-STORM WATER DISCHARGES 1. EXCEPT AS PROVIDED IN PART I.C.2. AND III.A.2., ALL DISCHARGES COVERED BY THIS PERMIT SHALL BE COMPOSED ENTIRELY OF STORM WATER
GENERAL PURPOSE AND DESCRIPTION OF SOIL DISTURBING ACTIVITY THIS PROJECT WILL CONSIST OF THE CONSTRUCTION OF AN ASSISTED LIVING EXTENSION WITH ASSOCIATED UTILITIES. A STORM WATER DETENTION FACILITY AND WATER QUALITY AREAS FOR THE STORM WATER AFTER CONSTRUCTION ACTIVITY HAS CEASED. EROSION AND SEDIMENTATION CONTROL SUCH AS SILT FENCING, CHECK DAMS AND TEMPORARY AND PERMANENT SEEDING SHALL BE USED TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. WETLAND AND STATE WATERS HAVE BEEN	BUFFER REQUIREMENTS IN ACCORDANCE WITH THE PROVISIONS OF O.C.G.A. 12-7-6, OR WHERE A ROADWAY DRAINAGE STRUCTURE MUST BE CONSTRUCTED; PROVIDED, HOWEVER, THAT SMALL SPRINGS AND STREAMS CLASSIFIED AS 'TROUT STREAMS' WHICH DISCHARGE AN AVERAGE ANNUAL FLOW OF 25 GALLONS PER MINUTE OR LESS SHALL HAVE A 25 FOOT BUFFER OR THEY MAY BE PIPED, AT THE DISCRETION OF THE PERMITTEE, PURSUANT TO THE TERMS OF A RULE PROVIDING FOR A GENERAL VARIANCE PROMULGATED BY THE BOARD OF NATURAL RESOURCES INCLUDING NOTFICATION OF SUCH TO EPD AND THE LOCAL ISSUING AUTHORITY OF THE LOCATION AND EXTENT OF THE PIPING AND PRESCRIBED METHODOLOGY FOR MINIMIZING THE IMPACT OF SUCH PIPING AND FOR MEASURING THE VOLUME OF WATER DISCHARGED BY THE STREAM. ANY SUCH PIPE MUST STOP SHORT OF DOWNSTREAM PERMITTEE'S PROPERTY, AND THE PERMITTEE MUST COMPLY WITH THE BUFFER REQUIREMENT FOR ANY ADJACENT TROUT STREAMS. THE BUFFER SHALL NOT APPLY TO THE	2. THE FOLLOWING NON-STORM WATER DISCHARGES MAY BE AUTHORIZED BY THIS PERMIT PROVIDED THE NON-STORM WATER COMPONENT OF THE DISCHARGE IS EXPLICITLY LISTED IN THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN AND IS IN COMPLIANCE WITH PART IV.D.7.; DISCHARGES FROM FIRE FIGHTING ACTIVITIES; FIRE HYDRANT FLUSHING; POTABLE WATER SOURCES INCLUDING WATER LINE FLUSHING; IRRIGATION DRAINAGE; AIR CONDITIONING CONDENSATE; SPRINGS; UNCONTAMINATED GROUND WATER; AND FOUNDATION OR FOOTING DRAINS WHERE FLOWS ARE NOT CONTAMINATED WITH PROCESS MATERIALS OR POLLUTANTS. 3. THIS PERMIT DOES NOT AUTHORIZE THE DISCHARGE OF SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING. 4. THIS PERMIT DOES NOT AUTHORIZE THE DISCHARGE OF WASTEWATER FROM WASHOUT AND CLEANOUT OF STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS.
DELINEATED BY XXXXXXXXXXXXXXX AND LOCATED WITH THE LOW LYING FLOOD PLAIN AREA. THE PRE CONSTRUCTION RUNOFF CURVE NUMBER IS XX. THE POST CONSTRUCTION RUNOFF CURVE NUMBER IS XXX. THE EXISTING SOILS DESCRIBED BY THE USDA SOIL SURVEY AS XXXXXXX AND IS IN A HYDRAULIC CLASS X.	ACTIVITIES SHOWN IN PART IV.(ii).(1)-(8), PROVIDED THAT ADEQUATE EROSION CONTROL MEASURES ARE INCORPORATED INTO THE PROJECT PLANS AND SPECIFICATIONS ARE IMPLEMENTED; (iii) EXCEPT AS PROVIDED IV.(iv), NO CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED WITHIN A 25 FOOT BUFFER ALONG COASTAL MARSHLANDS, AS MEASURED HORIZONTALLY FROM THE COASTAL MARSHLAND-UPLAND INTERFACE, AS DETERMINED IN ACCORDANCE WITH PART 4 OF ARTICLE FOR OF CHAPTER 5 OF TITLE 12, THE "COASTAL MARSHLANDS PROTECTION ACT OF 1970," AND THE RULES AND REGULATIONS PROMULGATED THEREUNDER. FOR ADDITION RULES AND EXCEPTIONS, SEE	RELEASES IN EXCESS OF REPORTABLE QUANTITIES 1. THE DISCHARGE OF HAZARDOUS SUBSTANCES OR OIL IN THE STORM WATER DISCHARGE(S) FROM A SITE SHALL BE PREVENTED. THIS PERMIT DOES NOT RELIEVE THE PERMITTEE OF THE REPORTING REQUIREMENTS OF GEORGIA'S OIL OR HAZARDOUS MATERIAL SPILLS OR RELEASES ACT (O.C.G.A. §§12–14–2, ET SEQ.), 40 CFR PART 117 AND 40 CFR PART 302. WHERE A RELEASE
SITE AREA:9.73 ACRESSTART DATE:02-05-18DISTURBED AREA:2.49 ACRESCOMPLETION DATE:N/A	PART IV.(iii) AND PART IV.(iii).(1)–(9); (iv) EXCEPT AS PROVIDED ABOVE, FOR BUFFERS REQUIRED PURSUANT TO PART IV.(i). AND (ii) AND (iii), NO CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED WITHIN A BUFFER AND A BUFFER SHALL REMAIN IN ITS NATURAL, UNDISTURBED, STATE OF VEGETATION UNTIL ALL LAND-DISTURBING ACTIVITIES ON THE CONSTRUCTION SITE ARE COMPLETED. DURING COVERAGE UNDER THIS PERMIT. A BUFFER CANNOT BE THINNED OF TRIMMED OF VEGETATION AND A PROTECTIVE VEGETATIVE COVER	CONTAINING A HAZARDOUS SUBSTANCE IN AN AMOUNT EQUAL TO OR IN EXCESS OF A REPORTING QUANTITY ESTABLISHED UNDER EITHER GEORGIA'S OIL OR HAZARDOUS MATERIAL SPILLS OR RELEASES ACT (O.C.G.A. §§12–14–2, ET SEQ.), 40 CFR 117 OR 40 CFR 302 OCCURS DURING A 24 HOUR PERIOD, THE PERMITTEE IS REQUIRED TO NOTIFY EPD AT (404) 656–4863 OR (800) 241–4113 AND THE NATIONAL RESPONSE CENTER (NRC) AT (800) 424–8802 IN ACCORDANCE WITH THE REQUIREMENTS OF GEORGIA'S OIL OR HAZARDOUS MATERIAL SPILLS OR RELEASES ACT (O.C.G.A. §§12–14–2, ET SEQ.), 40 CFR 117 AND 40
TYPE OF CONSTRUCTION: COMMERCIAL GPS LOCATION OF Co: N 34°50'46" W 84°20'19"	MUST REMAIN TO PROTECT WATER QUALITY AND AQUATIC HABITAT AND A NATURAL CANOPY MUST BE LEFT IN SUFFICIENT QUANTITY TO KEEP SHADE ON THE STREAM BED OR MARSH.	CFR 302 AS SOON AS HE/SHE HAS KNOWLEDGE OF THE DISCHARGE. 2. THIS PERMIT DOES NOT AUTHORIZE THE DISCHARGE OF HAZARDOUS SUBSTANCES OR OIL RESULTING FROM AN ON-SITE SPILL. PRODUCT SPECIFIC PRACTICES
GAR100001 PART IV.B.2-3 THE PRIMARY PERMITTEE SHALL MAKE PLANS AVAILABLE UPON REQUEST TO THE EPD; TO DESIGNATED OFFICIALS OF THE LOCAL GOVERNMENT REVIEWING SOIL EROSION AND SEDIMENT CONTROL PLANS, GRADING PLANS, OR STORM WATER MANAGEMENT PLANS; OR IN THE CASE OF A STORM WATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITY WHICH	ANY DELINEATION AND/OR DISTURBANCE ARE SUBJECT TO U.S. CORPS OF ENGINEERS (U.S.A.C.E.) REGULATIONS. AND RESTRICTIONS. NO DISTURBANCE SHALL BE PERFORMED WITHOUT PRIOR PERMIT BY THE U.S.A.C.E.	THE FOLLOWING ARE THE PRODUCT SPECIFIC PRACTICES THAT SHALL BE FOLLOWED FOR PRODUCTS USED ON-SITE. PETROLEUM PRODUCTS ALL ON-SITE VEHICLES SHALL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTATIVE MAINTENANCE TO
DISCHARGES THROUGH A MUNICIPAL SEPARATE STORM SEWER SYSTEM WITH AN NPDES PERMIT, TO THE LOCAL GOVERNMENT OPERATING THE MUNICIPAL SEPARATE STORM SEWER SYSTEM. EPD MAY NOTIFY THE PRIMARY PERMITTEE AT ANY TIME THAT THE PLAN DOES NOT MEET ONE OR MORE OF THE MINIMUM REQUIREMENTS OF THIS PART. WITHIN SEVEN (7) DAYS OF SUCH NOTIFICATION (OR AS OTHERWISE PROVIDED BY EPD), THE	STORM WATER CONTROLS	REDUCE THE CHANCE OF SPILLAGE. PETROLEUM PRODUCTS SHALL BE STORED IN TIGHTLY SEALED CONTAINERS THAT SHALL BE CLEARLY LABELED AND STORED IN A CLEARLY IDENTIFIED AREA. ANY ASPHALT SUBSTANCES USED ON-SITE SHALL BE SPOILED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS. ON-SITE STORAGE VESSELS MUST NOT EXCEED A CAPACITY OF 1320 GALLONS OF PETROLEUM UNLESS A SPILL PREVENTION CONTAINMENT AND COUNTERMEASURES PLAN HAS BEEN PREPARED BY A REGISTERED PROFESSIONAL ENGINEER AS REQUIRED BY THE OIL POLLUTION PREVENTION ACT
PRIMARY PERMITTEE SHALL MAKE THE REQUIRED CHANGES TO THE PLAN AND SHALL SUBMIT TO EPD EITHER THE AMENDED PLAN OR A WRITTEN CERTIFICATION THAT THE REQUESTED CHANGES HAVE BEEN MADE. MANAGEMENT PRACTICES AND PERMIT VIOLATIONS	STORM WATER MANAGEMENT	FERTILIZERS FERTILIZERS USED SHALL BE APPLIED IN THE MINIMUM COVERAGE RECOMMENDED BY THE MANUFACTURES. ANY FERTILIZERS THAT ARE TO BE STORED ON-SITE, SHALL BE STORED IN A PROTECTED SECURE ENCLOSURE.
1. BEST MANAGEMENT PRACTICES, AS SET FORTH IN THE PERMIT, ARE REQUIRED FOR ALL CONSTRUCTION ACTIVITIES, AND MUST BE IMPLEMENTED IN ACCORDANCE WITH THE DESIGN SPECIFICATION CONTAINED IN THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" PUBLISHED BY THE STATE SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED TO PREVENT OR REDUCE THE POLLUTION OF WATERS OF GEORGIA. PROPER DESIGN, INSTALLATION, AND MAINTENANCE OF BEST MANAGEMENT PRACTICES	THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF STORM WATER MANAGEMENT MEASURES PRIOR TO FINAL STABILIZATION OF THE SITE, AND ARE NOT RESPONSIBLE FOR MAINTENANCE AFTER STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY HAVE BEEN ELIMINATED FOR THE SITE. DESCRIPTION OF THE MEASURES THAT WILL BE INSTALLED DURING THE CONSTRUCTION PROCESS TO CONTROL POLLUTANTS IN STORM WATER THAT WILL OCCUR AFTER CONSTRUCTION OPERATIONS HAVE BEEN COMPLETED.	PAINTS ALL CONTAINERS SHALL BE TIGHTLY CLOSED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT SHALL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT SHALL BE PROPERLY DISPOSED OF IN ACCORDANCE TO LOCAL, STATE AND FEDERAL REGULATIONS
SHALL CONSTITUTE A COMPLETE DEFENSE TO ANY ACTION BY THE DIRECTOR OR TO ANY ALLEGATION OF NON COMPLIANCE WITH PART III.D.3. AND PART III.D.4. 2. EXCEPT AS REQUIRED TO INSTALL THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMPS AS DESCRIBED IN PART IV.D.3., THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMPS MUST BE INSTALLED AND IMPLEMENTED PRIOR TO CONDUCTING ANY		PESTICIDES STORAGE AREAS SHALL BE PROTECTED FROM THE ELEMENTS. WARNING SIGNS SHOULD BE PLACED IN AREAS RECENTLY SPRAYED OR TREATED. PERSONS MIXING AND APPLYING THESE CHEMICALS SHOULD WEAR SUITABLE PROTECTIVE CLOTHING IN ACCORDANCE WITH THE LAW.
OTHER CONSTRUCTION ACTIVITIES (E.G., CLEARING, GRUBBING AND GRADING) WITHIN THE CONSTRUCTION SITE OR WHEN APPLICABLE, WITHIN PHASED SUB-PARTS OR SEGMENTS OF THE CONSTRUCTION SITE. FAILURE TO COMPLY SHALL CONSTITUTE A VIOLATION OF THIS PERMIT FOR EACH DAY ON WHICH CONSTRUCTION ACTIVITIES OCCUR. THE DESIGN PROFESSION WHO PREPARED THE PLAN MUST INSPECT THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMPS IN ACCORDANCE WITH PART IV.A.5. WITHIN SEVEN (7) DAYS AFTER INSTALLATION.	STORM WATER RUNOFF QUALITY CONTROL describe practices used to reduce the pollutants in storm water discharge.	SPILL CONTROL PRACTICES IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIALS MANAGEMENT PRACTICES DESCRIBED IN THE PORTIONS OF THIS PLAN, THE FOLLOWING ARE THE SPILL CONTROL PRACTICES THAT SHALL BE FOLLOWED FOR SPILL CONTAINMENT AND CLEANUP.
3. FAILURE TO PROPERLY DESIGN, INSTALL, OR MAINTAIN BEST MANAGEMENT PRACTICES SHALL CONSTITUTE A VIOLATION OF THIS PERMIT FOR EACH DAY ON WHICH SUCH FAILURE OCCURS. BMP MAINTENANCE AS A RESULT OF THE PERMITTEE'S ROUTINE INSPECTIONS SHALL NOT BE CONSIDERED A VIOLATION FOR THE PURPOSES OF THIS PARAGRAPH. IF DURING THE COURSE OF THE PERMITTEE'S ROUTINE INSPECTION BMP FAILURES ARE OBSERVED WHICH HAVE RESULTED IN SEDIMENT DEPOSITION INTO WATERS OF THE STATE, THE PERMITTEE SHALL CORRECT THE BMP FAILURES AND CHALL SUPPLY AS AND AND A SUPPLY OF THE MODE TO SPONDE TO SPOND ADDREAD AND A SUPPLY AND A SUPPL	STORM DRAIN INLET LABELS	 LOCAL, STATE, FEDERAL AND MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP SHALL BE CLEARLY POSTED AND THE SITE PERSONAL SHALL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES. MATERIALS AND SUPPLIES FOR SPILL CLEANUP SHALL BE KEPT IN THE MATERIALS STORAGE AREA ON-SITE
4. A DISCHARGE OF STORM WATER RUNOFF FROM DISTURBED AREAS WHERE BEST MANAGEMENT PRACTICES HAVE NOT BEEN PROPERLY DESIGNED, INSTALLED, AND MAINTAINED SHALL CONSTITUTE A SEPARATE VIOLATION FOR EACH DAY ON WHICH SUCH DISCHARGE RESULTS IN THE TURBIDITY OF RECEIVING WATER(S) BEING INCREASED BY MORE THAN TEN (10) NEPHELOMETRIC TURBIDITY UNITS FOR WATERS CLASSIFIED AS TROUT STREAMS	STORM STRUCTURE TOPS SHALL BE STAMPED WITH "PROTECT OUR WATER QUALITY, NO DUMPING, STORM WATER ONLY". THE STENCILING SHALL BE PERFORMED AS THE INLET TOPS ARE POURED OR MOUNDED. WHERE APPLICABLE, USE LOCAL, CITY OR COUNTY STENCIL DETAIL.	 ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY UPON DISCOVERY. THE SPILL AREA SHALL BE KEPT WELL VENTILATED AND PERSONNEL SHALL WEAR THE APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FOR CONTACT WITH A HAZARDOUS MATERIALS.
OR MORE THAN TWENTY-FIVE (25) NEPHELOMETRIC TURBIDITY UNITS FOR WATERS SUPPORTING WARM WATER FISHERIES, REGARDLESS OF A PERMITTEE'S CERTIFICATION UNDER PART II.B.1.I. THIS PARAGRAPH SHALL NOT APPLY TO ANY LAND DISTURBANCE ASSOCIATED WITH THE CONSTRUCTION OF SINGLE-FAMILY HOMES WHICH ARE NOT PART OF A SUBDIVISION OR PLANNED COMMON DEVELOPMENT UNLESS FIVE (5) ACRES OR MORE WILL BE DISTURBED.	NOTHING IN THIS PERMIT RELIEVES A PERMITTEE FROM ANY OBLIGATION TO COMPLY WITH ALL APPLICABLE STATE AND LOCAL REGULATIONS OF WASTE DISPOSAL, SANITARY SEWER, SEPTIC AND PETROLEUM STORAGE SYSTEMS. ALL PERMITTEES ARE REQUIRED TO MINIMIZE THE DISCHARGE OF POLLUTANTS FROM DEWATERING TRENCHES AND	5. SPILLS OF TANKS OR HAZARDOUS MATERIALS SHALL BE REPORTED TO THE APPROPRIATE LOCAL, STATE AND FEDERAL GOVERNMENT AGENCY, REGARDLESS OF SPILL SIZE.
5. WHEN THE PERMITTEE HAS ELECTED TO SAMPLE OUTFALL(S), THE DISCHARGE OF STORM WATER RUNOFF FROM DISTURBED AREAS WHERE BEST MANAGEMENT PRACTICES HAVE NOT BEEN PROPERLY DESIGNED, INSTALLED, AND MAINTAINED SHALL CONSTITUTE A SEPARATE VIOLATION FOR EACH DAY ON WHICH SUCH CONDITION RESULTS IN THE TURBIDITY OF THE DISCHARGE EXCEEDING THE VALUE SELECTED FROM APPENDIX B APPLICABLE TO THE CONSTRUCTION SITE. AS SET FORTH THEREIN, THE NEPHELOMETRIC TURBIDITY UNIT (NTU) VALUE SHALL BE SELECTED FROM APPENDIX B BASED ON THE SIZE OF THE CONSTRUCTION SITE, THE SURFACE WATER DRAINAGE AREA AND WHETHER THE RECEIVING WATER(S) SUPPORTS WARM WATER EISHERIES OR IS A TROUT STREAM AS INDICATED IN THE RULES AND REGULATIONS FOR WATER OUALITY CONTROL. CHAPTER 391-3-6 AT	EXCAVATIONS. DISCHARGES ARE PROHIBITED UNLESS MANAGED BY APPROPRIATE CONTROLS. RECYCLING AND REFUSE COLLECTION CONTAINERS SOLID MATERIALS, INCLUDING BUILDING MATERIALS, SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT. THE CONTRACTOR SHALL PROVIDE APPROPRIATE REFUSE COLLECTION CENTERS, SOLID REFUSE COLLECTION CENTERS, SHALL BE	PAINT NOTE POLYACRYLAMIDE – ANIONIC (PAM): CONTRACTOR SHALL APPLY PAM VIA HYDRAULIC (HYDROSEED) TYPE APPLICATION EVERY 14 CALENDAR DAYS AT THE RATE OF 7.5 LBS/ACRE UNTIL SITE IS FULLY STABILIZED. THE MAXIMUM APPLICATION OF PAM IN PURE FORM SHALL NOT EXCEED 2000 LBS ALL TEMPORARY GRASSING SHALL BE HYDROSEEDED DEPMANENT GRASSING
WWW.GAEPT.ORG. INITIAL RECEIVING WATER NAME: RECEIVING WATER TYPE: RUNOFF COEFFICIENTS: XXXXXXXX WARM WATER FISHERIES STREAM PRE: XX POST: XX	MAINTAINED ON A WEEKLY BASIS AND TRANSFERRED TO AN OWNER-APPROVED RECYCLING AND REFUSE CENTER. THE CONTRACTOR SHALL ALSO PROVIDE APPROPRIATE REFUSE CONTAINERS FOR CONSTRUCTION DEBRIS. CONSTRUCTION DEBRIS SHALL BE RECYCLED WHEN POSSIBLE. THE CONTRACTOR SHALL ESTABLISH A CONSTRUCTION RECYCLING POLICY AND EDUCATE ALL PERSONAL OF SUCH POLICY.	CONTRACTOR SHALL BE RESPONSIBLE FOR GUARANTEEING A PERMANENT STAND OF BERMUDA GRASS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN ALL GRASS AREAS UNTIL SUBSTANTIAL COMPLETION. THIS SHALL INCLUDE WATERING, FERTILIZING, MOWING AND OVER SEEING FOR EROSION CONTROL PURPOSES TO ESTABLISH THE PERMANENT STAND OF BERMUDA. PERMANENT GRASSING SHALL BE HYDROSEEDED OR SOD.
SAMPLE TYPE: NTU VALUE: SURFACE WATER DRAINAGE AREA: SAMPLING OF XXXX (36) XX XXX SQ MILES	ALL REFUSE MATERIALS SHALL BE COLLECTED AND STORED IN A SECURE LIDDED, METAL DUMPSTER. THE DUMPSTER SHALL BE COLLECTED BY A LICENSED SOLID WASTE MANAGEMENT COMPANY. THE DUMPSTER SHALL MEET ALL COUNTY AND STATE WASTE MANAGEMENT REGULATIONS AND ORDINANCES. THE DUMPSTER SHALL BE EMPTIED AS NECESSARY AND MATERIAL SHALL BE HAULED TO A STATE LICENSED REFUSE DISPOSAL AREA. NO CONSTRUCTION DEBRIS SHALL BE BURIED ON THE CONSTRUCTION SITE. ALL PERSONAL SHALL BE INFORMED AND INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR WASTE DISPOSAL BY THE CONTRACTOR. NOTICES STATING THESE PROCEDURES SHALL BE POSTED IN THE CONSTRUCTION OFFICE	THIS PERMIT REQUIRES THE MONITORING OF NEPHELOMETRIC TURBIDITY IN RECEIVING WATER(S) OR OUTFALLS IN ACCORDANCE WITH THIS PERMIT. THIS PARAGRAPH SHALL NOT APPLY TO ANY LAND DISTURBANCE ASSOCIATED WITH THE CONSTRUCTION OF SINGLE-FAMILY HOMES WHICH ARE NOT PART OF A SUBDIVISION OR PLANNED COMMON DEVELOPMENT UNLESS FIVE (5) ACRES OR MORE WILL BE DISTURBED. THE FOLLOWING PROCEDURES CONSTITUTE EPDS GUIDELINES FOR SAMPLING TURBIDITY.
EROSION & SEDIMENT CONTROLS THE CONTRACTOR SHALL INSTALL ALL INITIAL PERIMETER CONTROL BMP'S PRIOR TO SITE CLEARING AND GRUBBING AS SHOWN ON THE INITIAL EROSION, POLLUTION AND SEDIMENTATION CONTROL PLAN. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD WITHIN 7 DAYS AFTER THE INITIAL CONSTRUCTION ACTIVITIES COMMENCE TO INSPECT THE INSTALLATION OF THE INITIAL CONTROL MEASURES (BMPS) WHICH THE DESIGN PROFESSIONAL DESIGNED, AS REPORT NOTED IN ANY DEFICIENCIES WILL BE ISSUED TO THE PRIMARY PERMITTEE WITHIN	AND THE CONSTRUCTION SUPERINTENDENT SHALL BE RESPONSIBLE FOR INSURING THAT THESE PROCEDURES ARE ENFORCED. HAZARDOUS WASTE THE CONTRACTOR SHALL INSTALL AND MAINTAIN AN UPLAND AREA FOR STORAGE OF ALL HAZARDOUS AND PETROLEUM	SAMIPLE ITPE (CL 32) ALL SAMPLING SHALL BE COLLECTED BY "GRAB SAMPLE" AND THE ANALYSIS OF THESE SAMPLES MUST BE CONDUCTED IN ACCORDANCE WITH METHODOLOGY & TEST PROCEDURES ESTABLISHED BY THE 40 CFR PART 136 (UNLESS OTHER TEST PROCEDURES HAVE BEEN APPROVED); THE GUIDANCE DOCUMENT TITLED "NPDES STORM WATER SAMPLING GUIDANCE DOCUMENT, FRA 833 B 92 001" AND CUIDANCE DOCUMENTS THAT MAY BE PRECEDURED BY THE FOR
7 DAYS OF THE INSPECTION AND THE CONTRACTOR MUST CORRECT ALL DEFICIENCIES WITHIN 2 DAYS OF RECEIPT OF INSPECTION REPORT AND MUST BE REINSPECTED UNLESS WEATHER RELATED SITE CONDITIONS ARE SUCH THAT ADDITIONAL TIME IS REQUIRED. CONTRACTOR MUST NOTIFY AND EXPLAIN TO THE OWNER IF THERE ARE WEATHER RELATED DELAYS. NO FURTHER LAND DISTURBANCE ACTIVITY SHALL BE DONE WITHOUT PRIOR APPROVAL IN WRITING BY ENGINEER OR RECORD. INTERMEDIATE EROSION CONTROL MEASURES SHALL BE IMPLEMENTED DURING MASS CLEARING AND EARTHWORK PHASES AS SHOWN ON THE INTERMEDIATE EROSION. POLLUTION. AND	MATERIALS. THE AREA SHALL BE PROTECTED FROM STORM WATER RUNOFF LEAVING THE AREA AND DISCHARGING INTO AND NATURAL DRAINAGE WAY OR WATERWAY. ALL HAZARDOUS WASTE MATERIALS SHALL BE DISPOSED OF IN A MANNER SPECIFIED BY STATE SOLID WASTE MANAGEMENT REGULATIONS. ALL PERSONAL SHALL BE INFORMED AND INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR HAZARDOUS	 SAMPLE CONTAINERS SHOULD BE LABELED PRIOR TO COLLECTING THE SAMPLES. SAMPLES SHOULD BE WELL MIXED BEFORE TRANSFERRING TO A SECONDARY CONTAINER. LARGE MOUTH, WELL CLEANED AND RINSED GLASS OR PLASTIC JARS SHOULD BE USED FOR COLLECTING SAMPLES. THE LARGE SHOULD BE CLEANED THOROLICHY TO AVOID CONTAINATION.
SEDIMENTATION CONTROL PLAN. FINAL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED AFTER MASS CLEARING, GRUBBING, EARTHWORK AND UTILITY CONSTRUCTION UNTIL THE SITE REACHES FINAL STABILIZATION AS SHOWN ON THE FINAL EROSION, POLLUTION AND SEDIMENTATION PLAN. ADDITIONAL EROSION CONTROLS MEASURES MAY BE REQUIRED DURING CONSTRUCTION ACTIVITY. STABILIZATION PRACTICES	THE CONSTRUCTION SUPERINTENDENT SHALL BE RESPONSIBLE FOR INSURING THE PROCEDURES ARE ENFORCED.	4. MANUAL, AUTOMATIC OR RISING STAGE SAMPLING MAY BE UTILIZED. SAMPLES REQUIRED BY THIS PERMIT SHOULD BE ANALYZED IMMEDIATELY, BUT IN NO CASE LATER THAN 48 HOURS AFTER COLLECTION. HOWEVER, SAMPLES FROM AUTOMATIC SAMPLERS MUST BE COLLECTED NO LATER THAN THE NEXT BUSINESS DAY AFTER THEIR ACCUMULATION, UNLESS FLOW THROUGH AUTOMATED ANALYSIS IS UTILIZED. IF AUTOMATIC SAMPLING IS UTILIZED AND THE AUTOMATIC SAMPLER IS NOT ACTIVATED DURING THE OLIAUEYING EVENT. THE PERMITEE MUST UTILIZE MANUAL SAMPLING OR RISING STAGE
ALL STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 7 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. WHERE THE INITIATION OF STABILIZATION MEASURES BY THE 7TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR	OFF-SITE VEHICLE TRACKING OF DIRT, SOILS, AND SEDIMENTS AND THE GENERATION OF DUST SHALL BE MINIMIZED OR ELIMINATED TO THE MAXIMUM EXTENT PRACTICAL. SANITARY WASTE	SAMPLING DURING THE NEXT QUALIFYING EVENT. DILUTION OF SAMPLES IS NOT REQUIRED. SAMPLES MAY BE ANALYZED DIRECTLY WITH A PROPERLY CALIBRATED TURBIDIMETER. SAMPLES ARE NOT REQUIRED TO BE COOLED. 5. SAMPLING AND ANALYSIS OF THE RECEIVING WATER(S) OR OUTFALLS BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED TO EPD AS SPECIFIED IN PART IV.E.
PERMANENTLY CEASE IS PRECLUDED BY SNOW COVER OR OTHER ADVERSE WEATHER CONDITIONS, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE. WHERE CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN 21 DAYS FROM WHEN ACTIVITIES CEASED, (E.G. THE TOTAL TIME PERIOD THAT CONSTRUCTION ACTIVITY IS TEMPORARILY CEASED IS LESS THAT 21 DAYS) THEN STABILIZATION HEADLIDES DO NOT HAN'S TO DE INITIATED ON THAT DODITION OF THE SITE BY THE 14TH DAY AFTED CONSTRUCTION ACTIVITY IS	 ALL SANITARY WASTE SHALL BE COLLECTED FROM PORTABLE UNITS AS NECESSARY, BY A STATE LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR OR AS REQUIRED BY LOCAL, STATE AND FEDERAL REGULATIONS ALL PERMITTEES SHALL ENSURE AND DEMONSTRATE THAT THEIR PLAN IS IN COMPLIANCE WITH APPLICABLE STATE AND LOCAL WASTE DISPOSAL, SANITARY SEWER, OR SEPTIC SYSTEM REGULATIONS. 	SAMPLING POINTS SAMPLING POINTS 1. FOR CONSTRUCTION ACTIVITIES THE PRIMARY PERMITTEE MUST SAMPLE ALL RECEIVING WATER(S), OR ALL OUTFALL(S), OR A COMBINATION OF RECEIVING WATER(S) AND OUTFALL(S). SAMPLES TAKEN FOR THE PURPOSE OF COMPLIANCE OF THIS
SEQUENCE OF MAJOR CONSTRUCTION ACTIVITY:	TEMPORARY FUELING TANK AREAS TEMPORARY FUELING TANKS SHALL HAVE A GEORGIA E.P.D. APPROVED SECONDARY CONTAINMENT (LINER SYSTEM) BASIN TO PREVENT AND/OR MINIMIZE SITE CONTAMINATION. TEMPORARY FUELING TANK LOCATIONS SHALL BE LOCATED AWAY FROM	PERMIT SHALL BE REPRESENTATIVE OF THE MONITORED ACTIVITY AND REPRESENTATIVE OF THE WATER QUALITY OF THE RECEIVING WATER(S) AND/OR THE STORM WATER OUTFALLS USING THE FOLLOWING MINIMUM GUIDELINES: A. THE UPSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN IMMEDIATELY UPSTREAM OF THE CONFLUENCE OF THE FIRST STORM WATER DISCHARGE FROM THE PERMITTED ACTIVITY (i.e., THE DISCHARGE FARTHEST UPSTREAM AT THE
THE SEQUENCE OF MAJOR CONSTRUCTION ACTIVITIES ARE AS FOLLOWS. 1. INSTALLATION OF INITIAL PERIMETER EROSION, POLLUTION AND 9. SAMPLING 90 DAYS AFTER FIRST SAMPLE OR COMPLETION OF SEDIMENT CONTROL MEASURES AND THE CLEARING NECESSARY	DRAINAGE WAYS, DRAINAGE SYSTEMS AND STATE WATERS (STREAMS, SPRING HEADS, ETC.)	SITE) BUT DOWNSTREAM OF ANY OTHER STORM WATER DISCHARGES NOT ASSOCIATED WITH THE PERMITTED ACTIVITY. WHERE APPROPRIATE, SEVERAL UPSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE UPSTREAM TURBIDITY VALUE.
3. MAKE ANY CORRECTIONS TO THE ESPC DEVICES AS NOTED BY 3. MAKE ANY CORRECTIONS TO THE ESPC DEVICES AS NOTED BY	EQUIPMENT MAINTENANCE AREAS SHALL BE CLEARLY IDENTIFIED WITH SIGNAGE. SAID SIGNAGE SHALL READ AS FOLLOWS:	B. THE DOWNSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN DOWNSTREAM OF THE CONFLUENCE OF THE LAST STORM WATER DISCHARGE FROM THE PERMITTED ACTIVITY (i.e., THE DISCHARGE FARTHEST DOWNSTREAM AT THE SITE) BUT UPSTREAM OF ANY OTHER STORM WATER DISCHARGE NOT ASSOCIATED WITH THE PERMITTED ACTIVITY. WHERE APPROPRIATE, SEVERAL DOWNSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE DOWNSTREAM TURBIDITY VALUE.
INSPECTION IF NECESSARY 4. APPROVAL OF INITIAL EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN 13. FINE GRADING AND PAVING 14. FINAL GRASSING OF DISTURBED AREAS	EQUIPMENT MAINTENANCE AREA DISCHARGE OF NEW OR USED OIL,	 C. IDEALLY THE SAMPLES SHOULD BE TAKEN FROM THE HORIZONTAL AND VERTICAL CENTER OF THE RECEIVING WATER(S) OR THE STORM WATER OUTFALL CHANNEL(S). D. CARE SHOULD BE TAKEN TO AVOID STIRRING THE BOTTOM SEDIMENTS IN THE RECEIVING WATER(S) OR IN THE OUTFALL STORM WATER CHANNEL.
 CLEARING & GRUBBING SAMPLING OF THE FIRST QUALIFIED RAIN EVENT AFTER MASS CLEARING & GRADING HAVE BEEN COMPLETED. REMOVAL OF ALL EROSION CONTROL MEASURES. REMOVAL OF ALL EROSION CONTROL MEASURES. 	FUEL, LUBRICANTS, ETC. IS PROHIBITED. UTILIZE CONTAINER /CAPTURE SYSTEMS. RECYCLE USED OILS, CONTAMINATED FUELS AND LUBRICANTS. ILLEGAL	E. THE SAMPLING CONTAINER SHOULD BE HELD SO THAT THE OPENING FACES UPSTREAM. F. THE SAMPLES SHOULD BE KEPT FREE FROM FLOATING DEBRIS.
7. INSTALLATION OF INTERMEDIATE EROSION, POLLUTION AND SEDIMENTATION CONTROL MEASURES 18. FINISH INTERIOR OF BUILDING. STRUCTURAL PRACTICES	DISCHARGES ARE SUBJECT TO FINES AND PENALTIES.	G. PERMITTEES DO NOT HAVE TO SAMPLE SHEETFLOW THAT FLOWS ONTO UNDISTURBED NATURAL AREAS OR AREAS STABILIZED BY THE PROJECT. FOR PURPOSES OF THIS SECTION, STABILIZED SHALL MEAN, FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES AND AREAS LOCATED OUTSIDE THE WASTE DISPOSAL LIMITS OF A LANDFILL CELL THAT HAS BEEN CERTIFIED BY EPD FOR WASTE DISPOSAL, 100% OF THE SOIL SURFACE IS UNIFORMLY COVERED IN PERMANENT VEGETATION WITH A DENSITY OF 70% OR GREATER, OR LANDSCAPED ACCORDING TO THE PLAN (UNIFORMLY COVERED WITH LANDSCAPING MATERIALS IN PLANNED LANDSCAPED AREAS), OR EQUIVALENT PERMANENT STABILIZATION
ALL STRUCTURAL PRACTICES SHALL BE INSTALLED PER THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" PUBLISHED BY THE STATE SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBANCE ACTIVITY WAS PERMITTED. STRUCTURAL PRACTICES SHOULD BE PLACED ON UPLAND SOILS TO THE DEGREE ATTAINABLE. SEDIMENT PONDS SHALL BE PLACED AT THE DOWN STREAM POINT OF ALL DRAINAGE AREAS AS TO PROVIDED SIXTY-SEVEN (67) CUBIC	SIGN SHALL BE WEATHERPROOF AND HAVE A MINIMUM SIZE OF 36 X 36 7 MOUNTED ON 5 FT HIGH SIGN POST.	MEASURES AS DEFINED IN THE MANUAL (EXCLUDING A CROP OR ANNUAL VEGETATION AND A SEEDING OF TARGET CROP PERENNIALS APPROPRIATE FOR THE REGION). H. ALL SAMPLING PURSUANT TO THIS PERMIT MUST BE DONE IN SUCH A WAY (INCLUDING GENERALLY ACCEPTED SAMPLING METHODS, LOCATIONS, TIMING, AND FREQUENCY) AS TO ACCURATELY REFLECT WHETHER STORM WATER RUNOFF FROM THE CONSTRUCTION SITE IS IN COMPLIANCE WITH THE STANDARD SET FORTH IN PARTS III.D.3. OR III.D.4., WHICHEVER IS
TARDS OF SEDIMENT STORAGE AND INSTALLED AS RECOMMENDED BY "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" PUBLISHED BY THE STATE SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBANCE ACTIVITY WAS PERMITTED. SILT FENCES AND SILT BARRIERS SHALL BE INSTALLED AS RECOMMENDED BY "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" PUBLISHED BY THE STATE SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE	SPILL RESPONSE PLAN CONTRACTOR TO PROVIDE DOCUMENTATION OF SPILL RESPONSE EQUIPMENT AND PROCEDURES TO BE USED. GIVE STEP-BY-STEP INSTRUCTIONS FOR THE RESPONSES TO SPILLS AT THE PARTICULAR SITE. THIS SPILL RESPONSE PLAN CAN BE PRESENTED AS A PROCEDURAL HANDBOOK OR SIGN. EDUCATE SITE EMPLOYEES OF PROCEDURES.	APPLICABLE. SAMPLING FREQUENCY 1. THE PRIMARY PERMITTEE MUST SAMPLE IN ACCORDANCE WITH THE PLAN AT LEAST ONCE FOR EACH RAINFALL EVENT DESCRIBED BELOW. FOR A QUALIFYING EVENT, THE PERMITTEE SHALL SAMPLE AT THE BEGINNING OR ANY STORM WATER DISCHARGE TO A MONITORED RECEIVING WATER AND/OR FROM A MONITORED OUTFALL LOCATION WITHIN FOURTY-FIVE (45)
LAND-DISTURBANCE ACTIVITY WAS PERMITTED. ALL DISTURBED AREAS SHALL HAVE A SILT BARRIER AT THE DOWN STREAM AREAS. DIVERSION DITCHES AND SHALL HAVE INLET SEDIMENT TRAPS INSTALLED THROUGHOUT THE SITE DURING MASS GRADING TO ENSURE ALL SEDIMENT IS ROUTED TO A SEDIMENT STORAGE AREA. DOWN DRAINS SHALL BE INSTALLED ON ALL CUT AND FILL SLOPES WHERE A CONCENTRATION OF STORM WATER COULD CAUSE EROSION DAMAGE. DIVERSION DITCHES AND DOWN DRAINS SHALL BE INSTALLED PER THE	SPILL RESPONSE PLAN SHALL CONTAIN AT MINIMUM; - LIST OF INDIVIDUALS RESPONSIBLE FOR IMPLEMENTING THE PLAN. - DEFINE SAFETY MEASURES TO BE TAKEN WITH EACH KIND OF WASTE OR CHEMICAL IN CASE OF SPILL.	MINUILS OR AS SOON AS POSSIBLE. 2. HOWEVER, WHERE MANUAL AND AUTOMATIC SAMPLING ARE IMPOSSIBLE (AS DEFINED IN THIS PERMIT), OR ARE BEYOND THE PERMITTEE'S CONTROL, THE PERMITTEE SHALL TAKE SAMPLES AS SOON AS POSSIBLE, BUT IN NO CASE MORE THAN TWELVE (12) HOURS AFTER THE BEGINNING OF THE STORM WATER DISCHARGE.
MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" PUBLISHED BY THE STATE SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBANCE ACTIVITY WAS PERMITTED. ALL EXISTING AND NEW INLETS SHALL BE INSTALLED PER THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" PUBLISHED BY THE STATE SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBANCE ACTIVITY	 ALL MODS SHEETS FOR ALL CHEMICALS STORED ON SITE. SPECIFY APPROPRIATE AUTHORITIES TO CONTACT SUCH AS POLICE AND FIRE DEPARTMENTS, HOSPITALS AND PUBLICLY OWNED TREATMENT WORKS FOR ASSISTANCE. SPILL RESPONSE PHONE NUMBERS 	 3. SAMPLING BY THE PERMITTEE SHALL OCCUR FOR THE FOLLOWING EVENTS: A. FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL, THE FIRST RAIN EVENT THA REACHES OR EXCEEDS 0.5 INCH WITH A STORM WATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS AS
WAS PERMITTED AT ALL INLETS THAT MAY IN RECEIVED ANY STORM WATER RUNOFF OF FROM ANY DISTURBED AREA. IMPAIRED STREAMS THIS PROJECT IS LOCATED WITHIN ONE (1) LINEAR MILE UPSTREAM OF AND WITHIN THE SAME WATER	IN THE EVENT OF A RELEASE OF PETROLEUM INTO STATE WATERS, THE FOLLOWING AGENCIES MUST BE NOTIFIED IMMEDIATELY, NO LATER THAN 24 HOURS AFTER THE OCCURENCE: 1. WSA ENGINEERING DEPARTMENT (770-949-7617) OR WSA INSPECTOR	DEFINED IN THIS PERMIT AFTER ALL CLEARING AND GRUBBING OPERATIONS HAVE BEEN COMPLETED, BUT PRIOR TO COMPLETION OF MASS GRADING OPERATIONS, IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE SAMPLING LOCATION; B. IN ADDITION TO (A) ABOVE, FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OF FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORM WATER DISCHARGE THAT OCCURS DUPING
SHED AS, ANY PORTION OF AN IMPAIRED STREAM SEGMENT. IN ORDER TO ENSURE THAT THE PERMITTEE'S DISCHARGE(S) DO NOT CAUSE OR CONTRIBUTE TO A VIOLATION OF STATE WATER QUALITY STANDARDS, THE PLAN MUST INCLUDE AT LEAST FOUR (4) OF THE FOLLOWING BEST MANAGEMENT PRACTICES (BMPS) FOR	2. GEORGIA EPD UST OFFICE 404-362-2687 3. NATIONAL RESPONSE CENTER 1-800-424-9346 KEEPING PLANS CURRENT	NORMAL BUSINESS HOURS AS DEFINED IN THIS PERMIT EITHER 90 DAYS AFTER THE FIRST SAMPLING EVENT OR AFTER ALL MASS GRADING OPERATIONS HAVE BEEN COMPLETED, BUT PRIOR TO SUBMITTAL OF A N.O.T., IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE SAMPLING LOCATION, WHICHEVER COMES FIRST; C. AT THE TIME OF SAMPLING PERFORMED PURSUANT TO (A) AND (B) ABOVE, IF BMPS IN ANY AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL ARE NOT PROPERLY DESIGNED. INSTALLED AND VIEW TANKED
THOSE AREAS OF THE SITE WHICH DISCHARGE TO THE IMPAIRED STREAM SEGMENT: E. USE ANIONIC POLYACRYLAMIDE (PAM) AND/OR MULCH TO STABILIZE AREAS LEFT DISTURBED FOR MORE THAN SEVEN (7) CALENDAR DAYS IN ACCORDANCE WITH PART III.D.1. OF THIS PERMIT.	THE PRIMARY PERMITTEE(S) SHALL AMEND THEIR PLAN WHENEVER THERE IS A CHANGE IN DESIGN, CONSTRUCTION, OPERATION, OR MAINTENANCE, WHICH HAS A SIGNIFICANT EFFECT ON BMPS WITH A HYDRAULIC COMPONENT (I.E., THOSE BMPS WHERE THE DESIGN IS BASED UPON RAINFALL INTENSITY, DURATION AND RETURN FREQUENCY OF STORMS) OR IF THE PLAN PROVES TO BE INEFFECTIVE IN ELIMINATING OR SIGNIFICANTLY MINIMIZING POLILUTANTS FROM SOURCES IDENTIFIED UNDER PART IV.D.3	CORRECTIVE ACTIONS SHALL BE DEFINED AND IMPLEMENTED WITHIN TWO (2) BUSINESS DAYS, AND TURBIDITY SAMPLES SHALL BE TAKEN FROM DISCHARGES FROM THAT AREA OF THE SITE FOR EACH SUBSEQUENT RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH DURING NORMAL BUSINESS HOURS* UNTIL THE SELECTED TURBIDITY STANDARD IS ATTAINED, OR UNTIL POST-STORM EVENT INSPECTIONS DETERMINE THAT BMPS ARE PROPERLY DESIGNED, INSTALLED AND MAINTAINED;
P. INSTALL SOD FOR A MINIMUM 20 FOOT WIDTH (IN LIEU OF SEEDING) AFTER FINAL GRADE HAS BEEN ACHIEVED, ALONG THE SITE PERIMETER WHEREVER CONSTRUCTION STORM WATER (INCLUDING SHEET FLOW) MAY BE DISCHARGED. Q. CONDUCT SOIL TESTS TO IDENTIFY AND TO IMPLEMENT SITE-SPECIFIC FERTILIZER NEEDS. S. APPLY THE APPROPRIATE COMPOST BLANKETS (MINIMUM DEPTH 1.5 INCHES) TO PROTECT SOIL SURFACES UNTIL VEGETATION IS	AMENDMENTS TO THE PLAN MUST BE CERTIFIED BY A DESIGN PROFESSIONAL AS PROVIDED IN THIS PERMIT. PLAN CONTENT THE EROSION, SEDIMENTATION AND POLITITION CONTROL PLAN REPRESENTS AS A MINIMUM DEST MANAGEMENT DEACTIONS	D. WHERE SAMPLING PURSUANT TO (A), (B) OR (C) ABOVE IS REQUIRED BUT NOT POSSIBLE (OR NOT REQUIRED BECAUSE THERE WAS NO DISCHARGE), THE PERMITTEE, IN ACCORDANCE WITH PART IV.D.4.g.(6), MUST INCLUDE A WRITTEN JUSTIFICATION IN THE INSPECTION REPORT OR WHY SAMPLING WAS NOT PERFORMED. PROVIDING THIS JUSTIFICATION DOES NOT RELIEVE THE PERMITTEE OF ANY SUBSEQUENT SAMPLING OBLIGATIONS UNDER (A), (B) OR (C) ABOVE; AND E. EXISTING CONSTRUCTION ACTIVITIES, I.E., THOSE THAT ARE OCCURRING ON OR BEFORE THE EFFECTIVE DATE OF THIS PERMIT
ESTABLISHED DURING THE FINAL STABILIZATION PHASE OF THE CONSTRUCTION ACTIVITY.	INCLUDING SOUND CONSERVATION AND ENGINEERING PRACTICES TO PREVENT AND MINIMUM, DEST MANAGEMENT PRACTICES, SEDIMENTATION, WHICH ARE CONSISTENT WITH, AND NO LESS STRINGENT THAN, THOSE PRACTICES CONTAINED IN THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" (MANUAL) PUBLISHED BY THE STATE SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED.	THAT HAVE MET THE SAMPLING REQUIRED BY (A) ABOVE SHALL SAMPLE IN ACCORDANCE WITH (B). THOSE EXISTING CONSTRUCTION ACTIVITIES THAT HAVE MET THE SAMPLING REQUIRED BY (B) ABOVE SHALL NOT BE REQUIRED TO CONDUCT ADDITIONAL SAMPLING OTHER THAN AS REQUIRED BY (C) ABOVE.
		SAMPLES FROM ANY RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOWS FOR SAMPLING AT ANY TIME OF THE DAY OR WEEK.

MAINTENANCE AND INSPECTION PROCEDURES

PERMITTEE REQUIREMENTS. (1). EACH DAY WHEN ANY TYPE OF CONSTRUCTION ACTIVITY HAS TAKEN PLACE AT A PRIMARY PERMITTEE'S SITE, CERTIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE SHALL INSPECT: (A) ALL AREAS AT THE PRIMARY PERMITTEE'S SITE WHERE PETROLEUM PRODUCTS ARE STORED, USED, OR HANDLED FOR SPILLS AND LEAKS FROM VEHICLES AND EQUIPMENT AND (B) ALL LOCATIONS AT THE PRIMARY PERMITTEE'S SITE WHERE VEHICLES ENTER OR EXIT THE SITE FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING. THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.

(2). MEASURE RAINFALL ONCE EVERY 24 HOURS EXCEPT ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY AND NON-WORKING FEDERAL HOLIDAY UNTIL A NOTICE OF TERMINATION IS SUBMITTED. MEASUREMENT OF RAINFALL MAY BE SUSPENDED IF ALL AREAS OF THE SITE HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION.

(3). CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT THE FOLLOWING AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES RAINFALL OR GREATER (UNLESS SUCH STORM ENDS AFTER 5:00 PM ON ANY FRIDAY OR ON ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY OR ANY NON-WORKING FEDERAL HOLIDAY IN WHICH CASE THE INSPECTION SHALL BE COMPLETED BY THE END OF THE NEXT BUSINESS DAY AND/OR WORKING DAY, WHICHEVER OCCURS FIRST): (A) DISTURBED AREAS OF THE PRIMARY PERMITTEE'S CONSTRUCTION SITE; (B) AREAS USED BY THE PRIMARY PERMITTEE FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION; AND (C) STRUCTURAL CONTROL MEASURES. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN APPLICABLE TO THE PRIMARY PERMITTEE'S SITE SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S). FOR AREAS OF A SITE THAT HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION, THE PERMITTEE MUST COMPLY WITH PART IV.D.4.A.(4). THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.

(4). CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT AT LEAST ONCE PER MONTH DURING THE TERM OF THIS PERMIT (I.E., UNTIL A NOTICE OF TERMINATION IS RECEIVED BY EPD) THE AREAS OF THE SITE THAT HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION. THESE AREAS SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM AND THE RECEIVING WATER(S). EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S).

(5). BASED ON THE RESULTS OF EACH INSPECTION, THE SITE DESCRIPTION AND THE POLLUTION PREVENTION AND CONTROL MEASURES IDENTIFIED IN THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, THE PLAN SHALL BE REVISED AS APPROPRIATE NOT LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION. IMPLEMENTATION OF SUCH CHANGES SHALL BE MADE AS SOON AS PRACTICAL BUT IN NO CASE LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION.

(6). A REPORT OF EACH INSPECTION THAT INCLUDES THE NAME(S) OF CERTIFIED PERSONNEL MAKING EACH INSPECTION, THE DATE(S) OF EACH INSPECTION, CONSTRUCTION PHASE (I.E., INITIAL, INTERMEDIATE, OR FINAL), MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, AND ACTIONS TAKEN IN ACCORDANCE WITH PART IV.D.4.A.(5). OF THE PERMIT SHALL BE MADE AND RETAINED AT THE SITE OR BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION UNTIL THE ENTIRE SITE OR THAT PORTION OF A CONSTRUCTION PROJECT THAT HAS BEEN PHASED HAS UNDERGONE FINAL STABILIZATION AND A NOTICE OF TERMINATION IS SUBMITTED TO EPD. SUCH REPORTS SHALL BE READILY AVAILABLE BY END OF THE SECOND BUSINESS DAY AND/OR WORKING DAY AND SHALL IDENTIFY ALL INCIDENTS OF BEST MANAGEMENT PRACTICES THAT HAVE NOT BEEN PROPERLY INSTALLED AND/OR MAINTAINED AS DESCRIBED IN THE PLAN. WHERE THE REPORT DOES NOT IDENTIFY ANY INCIDENTS. THE INSPECTION REPORT SHALL CONTAIN A CERTIFICATION THAT THE BEST MANAGEMENT PRACTICES ARE IN COMPLIANCE WITH THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART V.G.2 OF THIS PERMIT.

MAINTENANCE. THE PLAN SHALL INCLUDE A DESCRIPTION OF PROCEDURES TO ENSURE THE TIMELY MAINTENANCE OF VEGETATION, EROSION AND SEDEMENT CONTROL MEASURES AND OTHER PROTECTIVE MEASURES IDENTIFIED IN THE SITE PLAN.

NOTE: INSPECTOR MUST BE LEVEL IB CERTIFIED BY GSWCC.

REPORTING

1. THE APPLICABLE PERMITTEES ARE REQUIRED TO SUBMIT THE SAMPLING RESULTS TO THE EPD AT THE ADDRESS SHOWN IN PART II.C. (SEE TIFF FILE TO RIGHT TO GET ADDRESS) BY THE FIFTEENTH DAY OF THE MONTH FOLLOWING THE REPORTING PERIOD. REPORTING PERIODS ARE MONTHS DURING WHICH SAMPLES ARE TAKEN IN ACCORDANCE WITH THIS PERMIT. SAMPLING RESULTS SHALL BE IN A CLEARLY LEGIBLE FORMAT. UPON WRITTEN NOTIFICATION, EPD MAY REQUIRE THE APPLICABLE PERMITTEE TO SUBMIT THE SAMPLING RESULTS ON A MORE FREQUENT BASIS. SAMPLING AND ANALYSIS OF ANY STORM WATER DISCHARGE(S) OR THE RECEIVING WATER(S) BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED IN A SIMILAR MANNER TO THE EPD. THE SAMPLING REPORTS MUST BE SIGNED IN ACCORDANCE WITH PART V.G.2. SAMPLING REPORTS MUST BE SUBMITTED TO EPD UNTIL SUCH TIME AS A N.O.T. IS SUBMITTED IN ACCORDANCE WITH PART VI.

2. ALL SAMPLING REPORTS SHALL INCLUDE THE FOLLOWING INFORMATION:

A. THE RAINFALL AMOUNT, DATE, EXACT PLACE AND TIME OF SAMPLING OR MEASUREMENTS; B. THE NAME(S) OF THE CERTIFIED PERSONNEL WHO PERFORMED THE SAMPLING AND MEASUREMENTS;

C. THE DATE(S) ANALYSES WERE PERFORMED;

D. THE TIME(S) ANALYSES WERE INITIATED; E. THE NAME(S) OF THE CERTIFIED PERSONNEL WHO PERFORMED THE ANALYSES:

F. REFERENCES AND WRITTEN PROCEDURES, WHEN AVAILABLE, FOR THE ANALYTICAL TECHNIQUES OR METHODS USED; G. THE RESULTS OF SUCH ANALYSES, INCLUDING THE BENCH SHEETS, INSTRUMENT READOUTS, COMPUTER DISKS OR TAPES, ETC., USED TO DETERMINE THESE RESULTS:

H. RESULTS WHICH EXCEED 1000 NTU SHALL BE REPORTED AS "EXCEEDS 1000 NTU;" AND I. CERTIFICATION STATEMENT THAT SAMPLING WAS CONDUCTED AS PER THE PLAN.

3. ALL WRITTEN CORRESPONDENCE REQUIRED BY THIS PERMIT SHALL BE SUBMITTED BY RETURN RECEIPT CERTIFIED MAIL (OR SIMILAR SERVICE) TO THE APPROPRIATE DISTRICT OFFICE OF THE EPD ACCORDING TO THE SCHEDULE IN APPENDIX A OF THIS PERMIT. THE PERMITTEE SHALL RETAIN A COPY OF THE PROOF OF SUBMITTAL AT THE CONSTRUCTION SITE OR THE PROOF OF SUBMITTAL SHALL BE READILY AVAILABLE AT A DESIGNATED LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A N.O.T. IS SUBMITTED IN ACCORDANCE WITH PART VI. IF AN ELECTRONIC SUBMITTAL IS PROVIDED BY EPD THEN THE WRITTEN CORRESPONDENCE MAY BE SUBMITTED ELECTRONICALLY; IF REQUIRED, A PAPER COPY MUST ALSO BE SUBMITTED BY RETURN RECEIPT CERTIFIED MAIL OR SIMILAR SERVICE.

RETENTION OF RECORDS

1. THE PRIMARY PERMITTEE SHALL RETAIN THE FOLLOWING RECORDS AT THE CONSTRUCTION SITE OR THE RECORDS SHALL BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A N.O.T. IS SUBMITTED IN ACCORDANCE WITH PART VI:

- A. A COPY OF ALL NOTICES OF INTENT SUBMITTED TO EPD: B. A COPY OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN REQUIRED BY THIS PERMIT;
- C. THE DESIGN PROFESSIONAL'S REPORT OF THE RESULTS OF THE INSPECTION CONDUCTED IN ACCORDANCE WITH PART IV.A.5. OF THIS PERMIT; D. A COPY OF ALL SAMPLING INFORMATION, RESULTS, AND REPORTS REQUIRED BY THIS PERMIT;
- E. A COPY OF ALL INSPECTION REPORTS GENERATED IN ACCORDANCE WITH PART IV.D.4.a. OF THIS PERMIT; F. A COPY OF ALL VIOLATION SUMMARIES AND VIOLATION SUMMARY REPORTS GENERATED IN ACCORDANCE WITH PART III.D.2. OF THIS PERMIT; AND
- G. DAILY RAINFALL INFORMATION COLLECTED IN ACCORDANCE WITH PART IV.D.4.a.(2) OF THIS PERMIT.

2. COPIES OF ALL NOTICES OF INTENT, NOTICES OF TERMINATION, INSPECTION REPORTS, SAMPLING REPORTS (INCLUDING ALL CALIBRATION AND MAINTENANCE RECORDS AND ALL ORIGINAL STRIP CHART RECORDINGS FOR CONTINUOUS MONITORING INSTRUMENTATION) OR OTHER REPORTS REQUESTED BY THE EPD, EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS, RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT TO BE COVERED BY THIS PERMIT AND ALL OTHER RECORDS REQUIRED BY THIS PERMIT SHALL BE RETAINED BY THE PERMITTEE WHO EITHER PRODUCED OR USED IT FOR A PERIOD OF AT LEAST THREE YEARS FROM THE DATE THAT THE N.O.T. IS SUBMITTED IN ACCORDANCE WITH PART VI OF THIS PERMIT. THESE RECORDS MUST BE MAINTAINED AT THE PERMITTEE'S PRIMARY PLACE OF BUSINESS OR AT A DESIGNATED ALTERNATIVE LOCATION ONCE THE CONSTRUCTION ACTIVITY HAS CEASED AT THE PERMITTED SITE. THIS PERIOD MAY BE EXTENDED BY REQUEST OF THE EPD AT ANY TIME UPON WRITTEN NOTIFICATION TO THE PERMITTEE.

CERTIFICATION

ENGINEER CERTIFICATION - per PART IV (PG 14 OF PERMIT)

"I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" (MANUAL) PUBLISHED BY THE STATE SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED, PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING OF THE STORM WATER OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. GAR 100001." I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT, UNDER MY SUPERVISION.

OWNER & OPERATOR CERTIFICATIONS - per PART V.G.2.d. (PG 30 OF PERMIT)

"I CERTIFY THAT THE RECEIVING WATER(S) OR THE OUTFALL(S) OR A COMBINATION OF RECEIVING WATER(S) AND OUTFALL(S) WILL BE MONITORED IN ACCORDANCE WITH THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS" INITIALS

"I CERTIFY THAT THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS HAS BEEN PREPARED IN ACCORDANCE WITH PART IV OF THE GENERAL PERMIT GAR 100001, THE PLANS WILL BE IMPLEMENTED, AND THAT SUCH PLANS WILL PROVIDE FOR COMPLIANCE WITH THIS PERMIT."

INITIALS

"I CERTIFY UNDER PENALTY OF LAW THAT THIS REPORT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT CERTIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE, I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION. INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS."

INITIALS

SIGNATURE:

SIGNATURE: _____ DATE: _____

REID W. DYER GA LEVEL II # 0000006911

DATE:

SECONDARY PERMITTEE SIGNATURES

NAME OF CONTRACTOR DATE NO.

NO.

NAME OF CONTRACTOR DATE

EACH SECONDARY PERMITTEE IS TO BE PROVIDED WITH A COPY OF THE PLAN OR PORTION OF THE PLAN APPLICABLE TO THEIR SITE PRIOR TO THE SECONDARY CONDUCTING ANY CONSTRUCTION ACTIVITY. EACH SECONDARY SHALL SIGN THE PLAN OR THE PORTION OF THE PLAN THAT IS APPLICABLE TO THEIR SITE.

DATE

			<u>F</u> (<u>JR SUIL ERUSIUN ANL</u>	<u>) SEDIMENT</u>	CONTR	<u>ol praci</u>	<u>ICES</u>		
CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION		CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Cd	CHECKDAM		J	A small temporary barrier or dam constructed across a swale, drainage ditch or area of concentrated flow.		St	STORMDRAIN INLET/OUTLET PROTECTION		St)	A paved or short section of riprap channel at the outlet of storm drain system preventing erosion from the concentrated runoff.
Ch	CHANNEL STABILIZATION			Improving, constructing or stabilizing an open channel, existing stream, or ditch.		Su	SURFACE ROUGHING		⊢SùH	A rough soil surface with horizontal depressions on a contour or slopes left in a roughened condition after grading.
Co	CONSTRUCTION			A crushed stone pad located at the construction exit to provide a place for removing mud from tires thereby protecting public		Тр	TOPSOILING		ft TP	The practice of stripping off the more fertile soil, storing it, then spreading it over the disturbed area after completion of construction activities.
Cr	CONSTRUCTION ROAD STABILIZATION			streets. A travelway constructed as part of a construction plan including access roads, sub- division roads, parking areas and other on-site		Wt	VEGETATED WATERWAY OR STORMWATER CONVEYANCE CHANNEL		— — — —	Paved or vegetative water outlets for diversions, terraces, berms, dikes, or similar structures.
Dc	STREAM DIVERSION CHANNEL			vehicle transportation routes. A temporary channel con- structed to convey flow around a construction site while a permanent stucture is being		SpB	SEEP BERM		SpB	A linear control device constructed as a diversion perpendicular to the direction of runoff to enhance dissipation and infiltration while creating sediment chambers
Di	DIVERSION		THE REAL PROPERTY AND A DECIMAL OF A DECIMAL	constructed. An earth channel or dike located above, below or across a slope to divert runoff. This may be a temporary or permanent structure.		Sr	TEMPORARY STREAM CROSSING		(label)	A temporary bridge or culvert—type structure protecting a stream or watercourse from damage by crossing construction equipment.
Dn1	TEMPORARY DOWNDRAIN STRUCTURE			A flexible conduit of heavy- duty fabric or other ma- terial designed to safely conduct surface runoff down a slope. Temporary, and inexpensive.		Tc	TURBIDITY CURTAIN			A FLOATING OR STAKED BARRIER INSTALLED WITHIN THE WATER. (A FLOATING BOOM OR SILT CURTAIN)
Dn2	PERMANENT DOWNDRAIN STRUCTURE			A paved chute, sectional conduit, pipe or similar material designed to designed to safely conduct surface runoff down a slope.		Tr	TREE PROTECTION			To protect desirable trees from injury during construction.
Fr	FILTER RING	U		A temporary stone barrier constructed at storm drain inlets and pond outlets.		Wt	VEGETATED WATERWAY OR STORMWATER CONVEYANCE CHANNEL)	Paved or vegetative water outlets for diversions, terraces, berms, dikes, or similar structures.
	CARION		Ab	Rock filter baskets which are hand—placed into position				VEGETA	TIVE MEASU	RES_
Gr	GRADE		Gr Gr	Permanent structures installed to protect natural or artificial channels or waterways where otherwise the		Bf	BUFFER ZONE		Bf	separating the land-disturbing site from surrounding property and bordering streams. It serves to reduce water velocity and remove some sediment. It is also at times a noise or 'vision pollution' barrier.
	STRUCTURE		(label)	slope would be sufficient for the running water to form gullies. A structure to convert con-		Cs	COASTAL DUNE	FFFFFFFFFFFFFFFFFF	Cs	Planting vegetation on dunes that are denuded, artificially
Lv	LEVEL SPREADER			centrated flow of waters into less erosive sheet flow. This should be constructed only on undisturbed soils.			DISTURBED			Establishing temporary protection for disturbed areas where seedings
Rd	ROCK FILTER DAM			A permanent or temporary stone filter dam installed across small streams or drainageways.		Ds1	STABILIZATION (w/MULCHING ONLY) DISTURBED		Ds1	may not have a suitable growing season to produce an erosion retarding cover. Establishing a temporary
Re	RETAINING WALL		Re	A wall installed to stabilize cut and fill slopes where maximum permissible slopes are not obtainable. Each situation will		Ds2	AREA STABILIZATION (w/TEMPORARY SEEDING)		Ds2	vegetative cover with fast growing seedings on disturbed areas.
			(label)	A device or structure placed in front of a permanent stormwater		Ds3	AREA STABILIZATION (w/PERMANENT SEEDING)		Ds3	Establishing permanent vegetative cover such as trees, shrubs, vines, sod, grasses or legumes on disturbed areas.
Rt	RETROFITTING		(label)	detention pond outlet structure to serve as a temporary sediment filter.		Ds4	DISTURBED AREA STABILIZATION (WITH SODDING)		Ds4	A permanent vegetative cover using sods on highly erodible or critically eroded lands.
Sd1	N.T.S. SEDIMENT BARRIER		(indicate type)	A barrier to prevent seament from leaving the construction site. It may be sandbags, bales of straw or hay, gravel or a sediment fence. The barriers are usually temporary and in— expensive.		Du	DUST Control on Disturbed Areas		Du	Controlling surface and air movement of dust on construction site, roadways and similar sites.
Sd2	N.T.S. SEDIMENT TRAP, TEMPORARY			An impounding area created by excavating around a storm drain inlet. The excavated area will be filled and stabilized on completion of construction activities.		Sb	STREAMBANK Stabilization (Permanent Vegetation)	<u> <u> </u></u>	Sb	The use of readily available native plant materials to maintain and enhance streambanks, or to prevent, or restore and repair small streambank erosion problems.
Sd3	SEDIMENT BASIN,			A basin created by excavation. The surface water runoff is temporarly stored allowing the bulk of the sediment to drop out. The basin is		Ss HECP	SLOPE STABILIZATION (HECP)		Ss HECP	Protective covering used to prevent erosion and establish permanent or temporary vegetation using non toxic hydraulic erosion control products
				designed as a permanent pond or stormwater retention device.		Ss RECP	SLOPE STABILIZATION (RECP)		Ss RECP	Protective covering used to prevent erosion and establish permanent or temporary vegetation using Non—Toxic Blankets.
Sd4	SEDIMENT TRAP, TEMPORARY			disturbed area so sediment can settle out. (NO RISER)		Tac	TACKIFIERS		Tac	Substance used to as a tie down for soil, compost, seed, straw, hay or mulch. they hydrate in water and blend w/ other slurry materials to form a homogeneous slurry
Sk	FILTER SURFACE SKIMMER		Sk	releases/drains water from the surface of sediment ponds, traps or basins at a controlled rate of flow.		1		<u> </u>		

GEORGIA UNIFORM CODING SYSTEM

DUST CONTROL ON DISTURBED AREAS Du

DEFINITION

CONTROLLING SURFACE AND AIR MOVEMENT OF DUST ON CONSTRUCTION SITES, ROADS, AND DEMOLITION SITES. PURPOSE

-TO PREVENT SURFACE AND AIR MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES -TO REDUCE THE PRESENCE OF AIRBORNE SUBSTANCES WHICH MAY BE HARMFUL OR INJURIOUS TO HUMAN HEALTH, WELFARE, OR SAFETY, OR TO ANIMALS OR PLANT LIFE.

CONDITIONS THIS PRACTICE IS APPLICABLE TO AREAS SUBJECT TO SURFACE AND AIR MOVEMENT OF DUST WHERE ON AND OFF-SITE DAMAGE MAY OCCUR WITHOUT TREATMENT.

METHODS AND MATERIALS PERMANENT METHODS:

<u>PERMANENT VEGETATION</u> SEE STANDARD Ds3 - DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION) EXISTING TREES AND LARGE SHRUBS MAY AFFORD VALUABLE PROTECTION IF LEFT IN PLACE.

TOPSOILING THIS ENTAILS COVERING THE SURFACE WITH LESS EROSIVE SOIL MATERIAL. SEE STANDARD TP-TOPSOILING.

MULCHES SEE STANDARD Ds1 - DISTURBED AREA STABILIZATION (WITH MULCHING ONLY). SYNTHETIC RESINS MAY BE USED INSTEAD OF ASPHALT TO BIND MULCH MATERIAL. REFER TO STANDARD Toc-TACKIFIERS. RESINS SUCH AS SHOULD BE USED ACCORDING TO MANUFACTURER'S

<u>VEGETATIVE COVER</u> SEE STANDARD Ds2 - DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING). <u>SPRAY-ON ADHESIVES</u> THESE ARE USED ON MINERAL SOILS (NOT EFFECTIVE ON MUCK SOILS). KEEP TRAFFIC OFF THESE AREAS. REFER TO STANDARD

TEMPORARY METHODS;

TILLAGE THIS PRACTICE IS DESIGNED TO ROUGHEN AND BRING CLODS TO THE SURFACE. IT IS AN EMERGENCY MEASURE WHICH SHOULD BE USED BEFORE WIND EROSION STARTS. BEGIN PLOWING ON WINDWARD SIDE OF THE SITE. CHISEL—TYPE PLOWS SPACED ABOUT 12 INCHES APART, SPRING TOOTHED HARROWS, AND SIMILAR PLOWS ARE EXAMPLES OF EQUIPMENT WHICH MAY PRODUCE THE DESIRED EFFECT.

IRRIGATION THIS IS GENERALLY DONE AS AN EMERGENCY TREATMENT. SITE IS SPRINKLED WITH WATER UNTIL THE SURFACE IS WET. REPEAT AS NEEDED.

BARRIERS SOLID BOARD FENCES, SNOWFENCES, BURLAP FENCES, CRATE WALLS, BALES OF HAY AND SIMILAR MATERIAL CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING. BARRIERS PLACED AT RIGHT ANGLES TO PREVAILING CURRENTS AT INTERVALS OF ABOUT 15 TIMES THEIR HEIGHT ARE EFFECTIVE IN CONTROLLING WIND EROSION.

STONE COVER SURFACE WITH CRUSHED STONE OR COARSE GRAVEL. SEE STANDARD Cr-CONSTRUCTION ROAD STABILIZATION. CALCIUM CHLORIDE APPLY AT A RATE THAT WILL KEEP SURFACE MOIST. MAY NEED RETREATMENT.

DEFINITION

THE ESTABLISHMENT OF TEMPORARY VEGETATIVE COVER WITH FAST GROWING SEEDINGS FOR SEASONAL PROTECTION ON DISTURBED OR DENUDED AREAS.

REQUIREMENT FOR REGULATORY COMPLIANCE

MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 14 DAYS OF DISTURBANCE. TEMPORARY GRASSING, INSTEAD OF MULCH, CAN BE APPLIED TO ROUGH GRADED AREAS THAT WILL BE EXPOSED FOR LESS THAN SIX MONTHS. IF AN AREA IS EXPECTED TO BE UNDISTURBED FOR LONGER THAN SIX MONTHS, PERMANENT PERENNIAL VEGETATION SHALL BE USED. IF OPTIMUM PLANTING CONDITIONS FOR TEMPORARY GRASSING ARE LACKING, MULCH CAN BE USED AS A SINGULAR EROSION CONTROL DEVICE FOR UP TO SIX MONTHS BUT IT SHALL BE APPLIED AT THE APPROPRIATE DEPTH, ANCHORED, AND HAVE A CONTINUOUS 90% COVER OR GREATER OF THE SOIL SURFACE. REFER TO SPECIFICATION Ds1-DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING).

SPECIFICATIONS GRADING AND SHAPING

EXCESSIVE WATER RUN-OFF SHALL BE REDUCED BY PROPERLY DESIGNED AND INSTALLED EROSION CONTROL PRACTICES SUCH AS CLOSED DRAINS, DITCHES, DIKES, DIVERSIONS, SEDIMENT BARRIERS AND

NO SHAPING OR GRADING IS REQUIRED IF SLOPES CAN BE STABILIZED BY HAND-SEEDED VEGETATION OR IF HYDRAULIC SEEDING EQUIPMENT IS TO BE USED.

SEEDBED PREPARATION

WHEN A HYDRAULIC SEEDER IS USED, SEEDBED PREPARATION IS NOT REQUIRED. WHEN USING CONVENTIONAL OR HANDSEEDING, SEEDBED PREPARATION IS NOT REQUIRED IF THE SOIL MATERIAL IS LOOSE AND NOT SEALED BY RAINFALL.

WHEN SOIL HAS BEEN SEALED BY RAINFALL OR CONSISTS OF SMOOTH CUT SLOPES, THE SOIL SHALL BE PITTED, TRENCHED OR OTHERWISE SCARIFIED TO PROVIDE A PLACE FOR SEED TO LODGE AND GERMINATE.

<u>LIME AND FERTILIZER</u>

AGRICULTURAL LIME IS REQUIRED UNLESS SOIL TESTS INDICATE OTHERWISE. APPLY AGRICULTURAL LIME AT A RATE DETERMINED BY SOIL TEST FOR pH. BIO STIMULANTS SHOULD BE CONSIDERED WHEN THERE IS LESS THAN 3% ORGANIC MATTER IN THE SOIL. SOILS MUST BE TESTED TO DETERMINE REQUIRED FERTILIZER AND AMENDMENT AMOUNTS. FERTILIZER SHOULD BE APPLIED BEFORE LAND PREPARATION AND INCORPORATED WITH A DISK, RIPPER OR CHISEL. ON STEEP SLOPES, FERTILIZER SHALL BE HYDRAULICALLY APPLIED, PREFERABLY IN THE FIRST PASS WITH SEED AND HYDRAULIC MULCH, THEN TOPPED WITH THE REMAINING REQUIRED APPLICATION RATE.

<u>SEEDING</u>

SELECT A GRASS OR GRASS-LEGUME MIXTURE SUITABLE TO THE AREA AND SEASON OF THE YEAR. SEED SHALL BE APPLIED UNIFORMLY BY HAND, CYCLONE SEEDER, DRILL, CULTI-PACKER-SEEDER, OR HYDRAULIC SEEDER (SLURRY INCLUDING SEED AND FERTILIZER). DRILL OR CULTIPACKER SEEDERS SHOULD NORMALLY PLACE SEED ONE-QUARTER TO ONE-HALF INCH DEEP. APPROPRIATE DEPTH OF PLANTING IS TEN TIMES THE SEED DIAMETER. SOIL SHOULD BE "RAKED" LIGHTLY TO COVER SEED WITH SOIL IF SEEDED BY HAND.

MULCHING

TEMPORARY VEGETATION CAN, IN MOST CASES, BE ESTABLISHED WITHOUT THE USE OF MULCH. MULCH WITHOUT SEEDING SHOULD BE CONSIDERED FOR SHORT TERM PROTECTION. REFER TO DS1 – DISTURBED AREA STABILIZATION (WITH MULCHING ONLY).

IRRIGATION

DURING TIMES OF DROUGHT, WATER SHALL BE APPLIED AT A RATE NOT CAUSING RUNOFF AND EROSION. THE SOIL SHALL BE THOROUGHLY WETTED TO A DEPTH THAT WILL INSURE GERMINATION OF THE SEED. SUBSEQUENT APPLICATIONS SHOULD BE MADE WHEN NEEDED.

Ds-2

DISTURBED AREA STABILIZATION w/ TEMPORARY SEEDING

SPECIES	BROA	DCAST	RESOURCE				F)
	PER ACRE	7 - PLS 37 PER 1000 S.F.	AREA 4/	J	F	M	A	
			M-L					
vulgare)			Р					
ALONE IN MIXTURES	144 LBS.	3.3 LBS.	С					
	24 LBS.	0.6 LBS.		J	F	M	A	
LESPEDEZA,			M-L					ſ
ANNUAL (Leopadeza strista)			Р		_			
ALONE IN MIXTURES	40 LBS.	0.9 LBS.	c	_	ļ	L		
	10 LBS.	0.2 LBS.		J	F	м		
LOVEGRASS. WEEPING			M_I	+-	ŀ		Ē	ſ
(Eragrotis curvula)						_		
ALONE IN MIXIURES	4 LBS.	0.1 LBS.	Ċ		_			
	2 LBS.	0.05 LBS.		│.	F	м		
					r	M	^	ſ
(Panicum fasciculatum)			M-L			-		
ALONE IN MIXTURES	40 LBS.	0.9 LBS.	P			-	Γ.	
	10 LBS.	0.2 LBS.		.			Γ	
				J	F	M	A	
RYE (Secale cereale)			M-L					
ALONE IN MIXTURES	168 LBS.	3.9 LBS.	P					
	28 LBS.	0.6 LBS.	l v	.				
				 _	F	M	A	
RYEGRASS, ANNUAL (Lolium			M-L	-	\vdash	-	† –	ľ
temulentum) ALONE	40 LBS.	0.9 LBS.	P			- 1		
			C	Γ				
				J	F	M	A	
MILLET, PEARL (Papicum			M-L					F
glaucum) ALONE			P				-	
	50 LBS.	1.1 LBS.	c			-		
				J	F	M	A	
(Auron portion)			M-L					
UNIS (Avena saliva)	109.100	0.0.100	P					
ALONE IN MIXTURES	120 LBS.	2.9 LBS.	С					
	JZ LBS.	0.7 LBS.		J	F	M	A	
SUDAN CRASS			M-L					
(Sorghum sudanese)			P					
ALONE	60 LBS.	1.4 LBS.	c				•	
				J	F	M	A	
IRI IICALE (X—Triticosecale)								
ALONE IN MIXTURÉS	144 LBS.	3.3 LBS.						
	24 LBS.	0.6 LBS.		J	F	M		
			M-L					[
WHEAT (Triticum			P					
aestivum) ALONE IN MIXTURES	180 LBS.	4.1 LBS.	c	-				
	30 LBS.	0.7 LBS.		Ι.	_			

1/ TEMPORARY COVER CROPS ARE VERY COMPETITIVE AND WILL CROWN OUT PERENNIALS IF SEEDED TOO HEAVILY.

2/ REDUCE SEEDING RATES BY 50% WHEN DRILLED. 3/ PLS IS AN ABBREVIATION FOR PURE LIVE SEED.

4/ M-L REPRESENTS TO MOUNTAIN; BLUE RIDGE; AND RIDGES AND VALLEYS MLRA'S

P REPRESENTS THE SOUTHERN PIEDMONT MLRA C REPRESENTS THE SOUTHERN COASTAL PLAIN; SAND HILLS; BLACK LANDS; AND ATLANTIC COAST FLATWOODS MLRAs

DEFINITION

A PERMANENT VEGETATIVE COVER USING SODS ON HIGHLY ERODIBLE OR CRITICALLY ERODED LANDS. CONDITIONS

THIS APPLICATION IS APPROPRIATE FOR AREAS WHICH REQUIRE IMMEDIATE VEGETATIVE COVERS, DROP INLETS, GRASS SWALES, AND WATERWAYS WITH INTERMITTENT FLOW.

PLANNING CONSIDERATIONS

SODDING CAN INITIALLY BE MORE COSTLY THAN SEEDING, BUT THE ADVANTAGES JUSTIFY THE INCREASED INITIAL COSTS.

IMMEDIATE EROSION CONTROL, GREEN SURFACE, AND QUICK USE. REDUCED FAILURE AS COMPARED TO SEED AS WELL AS THE LACK OF WEEDS

CAN BE ESTABLISHED NEARLY YEAR-ROUND. SODDING IS PREFERABLE TO SEED IN WATERWAYS AND SWALES BECAUSE OF THE IMMEDIATE PROTECTION OF

THE CHANNEL AFTER APPLICATION. SODDING MUST BE STAKED IN CONCENTRATED FLOW AREAS (SEE FIGURE 6-6.1) CONSIDER USING SOD FRAMED AROUND DROP INLETS TO REDUCE SEDIMENTS AND MAINTAINING THE GRADE

CONSTRUCTION SPECIFICATIONS INSTALLATION SOIL PREPARATION

BRING SOIL SURFACE TO FINAL GRADE. CLEAR SURFACE OF TRASH, WOODY DEBRIS, STONES AND CLODS LARGER THAN 1". APPLY SOD TO SOIL SURFACES ONLY AND NOT FROZEN SURFACES, OR GRAVEL TYPE SOILS.TOPSOIL PROPERLY APPLIED WILL HELP GUARANTEE A STAND. DON'T USE TOPSOIL RECENTLY TREATED WITH HERBICIDES OR SOIL STERILANTS. MIX FERTILIZER INTO SOIL SURFACE, FERTILIZE BASED ON SOIL TESTS OR TABLE 6-6.1.

INSTALLATION

LAY SOD WITH TIGHT JOINTS AND IN STRAIGHT LINES. DON'T OVERLAP JOINTS. STAGGER JOINTS AND DO NOT STRETCH SOD (SEE FIGURE 6-6.2) ON SLOPES STEEPER THAN 3:1, SOD SHOULD BE ANCHORED WITH PINS OR OTHER APPROVED METHODS. INSTALLED SOD SHOULD BE ROLLED OR TAMPED TO PROVIDE GOOD CONTACT BETWEEN SOD AND SOIL. IRRIGATE SOD AND SOIL TO A DEPTH OF 4" IMMEDIATELY AFTER INSTALLATION. SOD SHOULD NOT BE CUT OR SPREAD IN EXTREMELY WET OR DRY WEATHER. IRRIGATION SHOULD BE USED TO SUPPLEMENT RAINFALL FOR A MINIMUM OF 2-3 WEEKS.

MATERIALS

SOD SELECTED SHOULD BE CERTIFIED. SOD GROWN IN THE GENERAL AREA OF THE PROJECT IS DESIRABLE.

- 1. SOD SHOULD BE MACHINE CUT AND CONTAIN 3/4" (+ OR 1/4 ") OF SOIL, NOT INCLUDING SHOOTS OR THATCH.
- 2. SOD SHOULD BE CUT TO THE DESIRED SIZE WITHIN + OR -5% TORN OR UNEVEN PADS SHOULD BE REJECTED.
- 5. SOD SHOULD BE CUT AND INSTALLED WITHIN 36 HOURS OF DIGGING. AVOID PLANTING WHEN SUBJECT TO FROST HEAVE OR HOT WEATHER IF IRRIGATION IS NOT AVAILABLE
- 5. THE SOD TYPE SHOULD BE SHOWN ON THE PLANS OR INSTALLED ACCORDING TO TABLE 6-6.2. SEE FIGURE 6-4.1 FOR YOUR RESOURCE AREA.

MAINTENANCE

RE-SOD AREAS WHERE AN ADEQUATE STAND OF SOD IS NOT OBTAINED. NEW SOD SHOULD BE MOWED SPARINGLY. GRASS HEIGHT SHOULD NOT BE CUT LESS THAN 2"-3" OR AS SPECIFIED (SEE FIGURE 6-6.2). APPLY ONE TON OF AGRICULTURAL LIME AS INDICATED BY SOIL TESTABLE BY EN 3 4-6 YEARS. FERTILIZE GRASSES IN ACCORDANCE WITH SOIL TESTS OR TABLE 6-6.3

FERTILIZER REQUIREMENTS FOR SOD

TYPES OF SPECIES	PLANTING YEAR	Fertilizer (N-P-K)	RATE (lbs./acre)	NITROGEN TOP DRESSING RATE (lbs./acre)
COOL	FIRST	6-12-12	1500	50–100
SEASON	SECOND	6-12-12	1000	
GRASSES	MAINTENANCE	10-10-10	400	30
WARM	FIRST	6-12-12	1500	50-100
SEASON	Second	6-12-12	800	50-100
GRASSES	Maintenance	10-10-10	400	30

10-10-10 1000 .025 FALL AGRICULTURAL LIME SHOULD BE APPLIED BASED ON SOIL TESTS OR AT A RATE OF 1 TO 2 TONS PER ACRE.

SOD PLANTING REQUIREMENTS

VARIETIES

COMMON

TIFWAY

TIFGREEN

TIFLAWN

PENSACOLA

COMMON

BITTERBLU

RALEIGH

EMERALD

KENTUCKY

MYER

RESOURCE

M-L,P,C

P.C

P,C

P,C

P,C

P,C

M-L.

AREA

GRASS

BERMUDAGRASS

BAHIAGRASS

CENTIPEDE

ZOYSIA

ST. AUGUSTINE

TALL FESCUE

17-0579-с

NQF

RWD

-	-
	2
	~
MOORECT MOORECT CORRECT	

Reid W Dyer
Level II Certified Design Profession

ISSUED: 03/11/2015 EXPIRES: 03/11/2018

Sheet Number

C-14

		Address: Date on Plans:	
Plan	Included	TO BE SHOWN ON ES&PC PLAN	
Page # 12	Y/N Y	1 The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as	
		orJanuary i on the year in which the land-disturbing activity was permuted. (The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed)	
ALL	Y	2 Level II certification number issued by the Commission, signature and seal of the certified design professional. (Signature, seal and Level II number must be on each sheet pertaining to ES&PC Plan or the Plan will not be reviewed)	
N/A		3 Limit of disturbance shall be no greater than 50 acres at any one time without prior written authorization from the EPD District Office. If EPD approves the request to disturb 50 acres or more at any one time, the plan must include at least 4 of the BMPs listed in Appendix 1 of this checklist.* (A copy of the written approval by EPD must be attached to the Plan for the Plan to be reviewed.) 4 The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution contri	ob
8	Ý	5 Provide the name, address and phone number of the primary permittee or tertiary permittee.	EROS NOTE I.3 (TOP LEFT)
COVER 8	Y Y	6 Note total and disturbed acreage of the project or phase under construction. 7 Provide the GPS location of the construction exit for the site. Give the Latitude and Longitude in decimal	EROS NOTE I.5&6 (TOP LEFT)
ALL	Y	degrees. 8 Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the	TITLEBLOCK
COVER	Y	revisions. 9 Description of the nature of construction activity.	
COVER	Y	10 Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.	
N/A	N/A	11 Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas wetlands, marchlands, at which may be affected.	EROS I.6 CRITICAL AREAS
8	Y	12 Design professional's certification statement and signature that the site was visited prior to development of the	LEFT SIDE, SIGNATURE 2
8	Y	13 Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on page 47,940 of the accord.	LEFT SIDE, SIGNATURE 1
8	Y	17 & 18 or the permit. 14 Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the	LEFT SIDE, BOX 1
8	Y	installation of the initial sediment storage requirements and perimeter control BMPs within 7 days after installation."* 15 Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of wrested vegetation or within 25-feet of the coastal marshland buffer	LEFT SIDE, BOX 2
		as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits."	
8	Y Y	16 Provide a description of any buffer encroachments and indicate whether a buffer variance is required. 17 Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on	NONE ON PROJECT LEFT SIDE, BOX 3
 		BMPs with a hydraulic component must be certified by the design professional.	LEFT SIDE ROY 4
 		authorized by a section 404 permit."	
<u>ŏ</u>		10 Creating note searcher unal The escape or searcher from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to land disturbing activities."	
8	<u> </u>	20 Clearly note statement that "Erosion control measures will be maintained at all times. If full implementation of the approved Plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source."	LEFT SIDE, BOX 6
8	Y	21 Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."	LEFT SIDE, BOX 7
N/A	N/A	22 Indication that the applicable portion of the primary permittees ES&PC Plan is to be provided to each secondary permittee prior to the secondary conducting any construction activity and that each secondary shall sim the Plan or portion of the Plan applicable to their site. List the names and addresses of all secondary	
6	Y	permittees.* 23 Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear	DISCHARGE INTO CHERRY LOG CREEK
		mile upstream of and within the same watershed as any portion of an Biota Impaired Stream Segment, must comply with Part III. C. of the Permit. Include the completed Appendix 1 listing all the BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment *	
J/A	N/A	24 If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in item 23 above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific	DISCHARGE INTO CHERRY LOG CREEK
13	Υ	conditions or requirements included in the TMDL Implementation Plan.* 25 BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Washout	
11	Y	of the drum at the construction site is prohibited. 26 Provide BMPs for the remediation of all petroleum spills and leaks.	COL 2 BOTTOM
11	Υ	27 Description of the measures that will be installed during the construction process to control pollutants in storm water that will occur after construction operations have been completed.	COL 2 BOTTOM
11	Y	28 Description of the practices that will be used to reduce the pollutants in storm water discharges.	COL 2 BOTTOM
<u>11</u>	Y	29 Description and chart or unelline of the mended sequence of major advites which disturb solits for the major portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, temporary and final stabilization).	
11	Y	30 Provide complete requirements of inspections and record keeping by the primary permittee or tertiary	COL 4 TOP
11	Y	perminate. 31 Provide complete requirements of sampling frequency and reporting of sampling results.*	COL 3 BOTTOM
11	Y	32 Provide complete details for retention of records as per Part IV.F. of the permit 33 Description of analytical methods to be used to collect and analyze the samples from each location *	COL 4 MIDDLE
9	Y	34 Appendix B rationale for NTU values at all outfall sampling points where applicable.*	
9	L Y	35 Delineate all sampling locations if applicable, perennial and intermittent streams and other water bodies into which storm water is discharged. *	
-12	Y	36 A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage	
		BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the plan may	
08-12	Y	combine all of the BMPs into a single phase. 37 Plan addresses BMPs for all phases of common development including individual building lots and out-parcels,	
		etc. regardless of who owns or operates the individual sites. Include a typical and any situational lots applicable.	
ALL	Y	38 Graphic scale and North arrow. 39 Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following:	
	لـــٰـــا	Map Scale Ground Slope Contour Intervals, ft 1 inch = 100ft or Flat 0 - 2% 0.5 or 1	
		larger scale Rolling 2 - 8% 1 or 2 Steep 8% + 2.5 or 10	
N/A	N/A	40 Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by EPD or the Constant Scale	
		and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gaswcc.org.	
N/A	N/A	41 Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition	
J/A	N/A	42 Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to State waters and any additional	
J/A	N/A	43 Delineation of on-site wetlands and all State waters located on and within 200 feet of the project site.	
8-12 TACH	Y Y	44 Delineation and acreage of contributing drainage basins on the project site. 45 Provide hydrology study and maps of drainage basins for both the pre- and post-developed conditions *	
11	Y	46 An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are	
15	Y	completed. ~ 47 Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without	
3-12		erosion. Identify/Delineate all storm water discharge points. 48 Soil series for the project site and their delineation.	
	Υ	49 The limits of disturbance for each phase of construction.	
»-12	ĽŸ	storane volume must be in place prior to and during all bod distributions of the storange volume to a manufacture of the storange volume must be in place prior to and during all bod distributions of the storange volume must be in place prior to and during all bod distributions of the storange volume must be in place prior to and during all bod distributions of the storange volume must be in place prior to and during all bod distributions of the storange volume must be in place prior to and during all bod distributions of the storange volume must be in place prior to and during all bod distributions of the storange volume must be in place prior to and during all bod distributions of the storange volume must be in place prior to and during all bod distributions of the storange volume must be in place prior to and during all bod distributions of the storange volume must be also be als	
		אוי איז איז איז איז איז איז איז איז איז אי	
		sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual must be included for structural RMPs and all calculations used by	
		the design professional to obtain the required sediment storage when using equivalent controls. When discharging from sediment basins and impoundments, permittees are required to utilize outlet structures that	
		withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasable, a written justification explaining this decision must be included in the plan.	
ALL	Υ	51 Location of Best Management Practices that are consistent with, and no less stringent than, the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual Chanter 6 with	
2-1E		legend. 52 Provide detailed drawings for all structural practices. Spacifications must allo minimum meaters and the second statement of the second sta	
- <u>-</u>		52. TO THE SECTION OF COMPANY OF A STRUCTURE OF CONTROL OF CONTROL OF CONTROL OF CONT	
.0,13	Υ	So Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of year that specific multi take place and for the appropriate accurate in space.	
		or your way wearing will lake place and for appropriate geographic region of Georgia. *This requirement of the Common Development nermit is not applicable to Tertiery Permittees with a Dev/c)	
		for a typical individual lot(s), if the total land disturbance within the construction site is less than five (5) acres	
		and the total land disturbance within each individual lot is less than one (1) acre. It applicable, the * checklist	

	Input		Elev (ft)			BLUE RIDG	EENTRAN	CE SWALE				Depth
ection Type =	Triangular	17	12.00									- 2.00
Btm Width (ft)	-0-											
	2.00:2.00	17	11.50									- 1.50
fot Depth (ff) =	1.00	-										
Inv Elev(ft) =	1710.00											
Slope (%) =	3.33	1/	11.00									- 1.00
n-value =	0.025											
Compute by =	Q vs Depth	17	10.50				_					- 0.50
Increments =	10											
		17	10.00				\checkmark					- 0.00
			10.00									0.00
		17	09.50	.5	1 1.5	2	2.5	3	3.5	4 4	5 5	0.50
			-	Channel	w.s.							
											Reach	n (ft)
		1										
		Dep	th	٩	Area	Veloc	Wp	Yc	Top	pWidth	En	ergy
		(ft)		(cfs)	(sqft)	(ft/s)	(ft)	(ft)		(ft)	(ft)
		0.4	0	1.101	0.320	3.44	1.79	0.46		1.60	0.	.58
		0.5	0	1.997	0.500	3.99	2.24	0.58		2.00	0.	.75
		0.5	0	1.997 3.248	0.500	3.99 4.51	2.24	0.58		2.40	0.	.75 92
		0.5	0	1.997 3.248	0.500	3.99 4.51	2.24	0.58		2.40	0.	.75 92
		0.5	0	1.997 3.248	0.500	4.51	2.24	0.58		2.40	0.	75 92
		0.5	0	1.997 3.248	0.720	4.51	2.24	0.58		2.40	0.	92
		0.5	0	1.997 3.248	0.720	4.51	2.24	0.58		2.40	0.	92
		0.5	0	1.997 3.248 Sd2-EX	0.500 0.720	3.99 4.51	2.24	0.58		2.40	0	75 92
Inlet	Drainage Area	Vol Reg	0 Denth	1.997 3.248 Sd2-EX	0.500 0.720 (PH-1) Surface At	3.99 451	2.24 2.66 Radius	0.58 0.70	Width	2.40	0.	75 92
Inlet	Drainage Area	Vol Req	o Depth ft	1.997 3.248 Sd2-EX Side Slope ft:ft	0.500 0.720 ((PH-1) Surface Ar	3.99 4.51 Tea (min)	2.24 2.68 Radius	0.58 0.70 Length	Width	Vol Prov	0	75 92
Inlet	Drainage Area AC 1.00	Vol Req cyd	0 Depth ft 2	1.997 3.248 Sd2-EX Side Slope ft:ft 2.1	0.500 0.720 ((PH-1) Surface Ar sf 904	3.99 4.51 Tea (min) t 50	2.24 2.60 Radius ft 17	0.58 0.70 Length ft	Width	Vol Prov cyd 67 25	0.	.7 6 92
Inlet D1	Drainage Area AC 1.00 1	Vol Req cyd 67.00	0 Depth ft 2 2	1.997 3.248 Sd2-EX Side Slope ft:ft 2:1 2:1	0.500 0.720 (PH-1) Surface Ar 904. 904.	3.99 4.51 Tea (min) t .50 .50	2.24 2.68 Radius ft 17	0.58 0.70 Length ft	Width ft	Vol Prov cyd 67.25 71.70	0.	92
Inlet D1	Drainage Area AC 1.00 1	Vol Req cyd 67.00 67.00	Depth ft 2 2	1.997 3.248 3.248 Side Slope ft:ft 2:1 2:1	0.500 0.720 (PH-1) Surface Ar sf 904. 904.	3.99 4.51 Tea (min) t .50 .50	2.24 2.66 Radius ft 17	0.58 0.70 Length ft 44	Width ft 22	Vol Prov cyd 67.25 71.70	0.	92
Inlet D1	Drainage Area AC 1.00 1	Vol Req cyd 67.00 67.00	0 Depth ft 2 2 2	1.997 3.248 Sd2-EX Side Slope ft:ft 2:1 2:1 Sd2-EX	0.500 0.720 (PH-1) Surface Ar 904. 904. 904. (PH-2)	3.99 4.51 Tea (min) t 50 .50	2.24 2.68 Radius ft 17	0.58 0.70 Length ft 44	Width ft 22	Vol Prov cyd 67.25 71.70	0.	92
Inlet D1 Inlet	Drainage Area AC 1.00 1 Drainage Area	Vol Req cyd 67.00 67.00	o Depth ft 2 2 2 Depth	1.997 3.243 3.243 Side Slope ft:ft 2:1 2:1 Side Slope Side Slope	0.500 0.720 0.	3.99 4 51 • cea (min) t .50 .50 • cea (min)	2.24 2.66 Radius ft 17 Radius	0.58 0.70 Length ft 44 Length	Width ft 22 Width	Vol Prov cyd 67.25 71.70 Vol Prov	0.	92

Channel

							\ ,					
	AC	cyd	ft		ft:ft	sft		ft	ft	ft	cyd	
D1	1.00	67.00	2		2:1	904.50	904.50				67.25	
	1	67.00	2		2:1	904.50	904.50		44	22	71.70	
Sd2-EX (PH-2)												
Inlet	Drainage Area	Vol Req	Depth	Sie	de Slop	e Surface Area	(min)	Radius	Length	Width	Vol Prov	
	AC	cyd	ft		ft:ft	sft		ft	ft	ft	cyd	
A2	0.14	9.25	2		2:1	124.82		7			11.40	
	0.14	9.38	2		2:1	126.63			16	8	9.48	
					Sd2-E	EX (PH-2)						
Inlet	Drainage Area	Vol Req	Depth	Si	de Slop	e Surface Area	(min)	Radius	Length	Width	Vol Prov	
	AC	cyd	ft		ft:ft	sft		ft	ft	ft	cyd	
A3	0.34	23.05	2		2:1	311.15		10			23.27	
	0.344	23.05	2		2:1	311.15			26	13	25.04	
					Sd2-I	EX (PH-2)						
Inlet	Drainage Area	Vol Req	Depth	Si	de Slop	e Surface Area	(min)	Radius	Length	Width	Vol Prov	
	AC	cyd	ft		ft:ft	sft		ft	ft	ft	cyd	
A4	0.26	17.09	2		2:1	230.65		9			18.85	
	0.255	17.09	2		2:1	230.65			22	11	17.93	
					Sd2-I	EX (PH-2)						
Inlet	Drainage Area	Vol Req	Depth	Si	de Slop	e Surface Area	(min)	Radius	Length	Width	Vol Prov	
	AC	cyd	ft		ft:ft	sft		ft	ft	ft	cyd	
A5	0.19	12.80	2		2:1	172.76		8			14.89	
	0.191	12.80	2		2:1	172.76			20	10	14.81	
					Sd2-I	EX (PH-2)						
Inlet	Drainage Area	Vol Rea	Dept	n Si	de Slop	e Surface Area	(min)	Radius	Length	Width	Vol Prov	
	AC	cvd	ft		ft:ft	sft	()	ft	ft	ft	cvd	
B2	0.16	, 10.79	2		2:1	145.62		7			11.40	
	0.161	10.79	2		2:1	145.62			18	9	12.00	
	1				Di Di	mensions				<u></u>	<u></u>	
Number	Bottom Width	Side Slo	ne De	nth	Slope	Drainage Area	010	Veloci	ty Flow	Denth	Freeboard	
Number	ft			Ft	%		cfs	fns		ft	ft	
D1	14	2.1.2.	1	2	1	1	3 65	1 59	0	16	1.84	
A2	1	2:1:2:	1	- 2	1	0.14	0.51	1.61		.22	1.78	
A3	5	2:1:2:	1	- 2	1	0.344	1.26	1.58		.15	1.85	
A4	3	2:1: 2.	1	2		0.26	0.95	1.67		.17	1.83	
A5	2	2:1.2.	1	 2	1	0.19	0.69	1 62		.18	1.82	
B2	1	2:1: 2:		 2	1	0.16	0.58	1.73		.23	1.77	
	· <u>+</u>		- 1	-								

Temporary Sediment Basin Design Sheet

Project Name:	BLUE	RIDG	E ASSIST	ED LIV	ING		1
Project Number:	15-0579	9-C					1
Basin No.:	PON	D 1					
Total Area			Draining				
			To Basin =		1.47		1
Disturbed Area			Draining				
			To Basin =		1.37		i
/olume:							
. Compute min	imum re	equired st	torage volum	ne (Vs).			
	Vs	=	67	cy/acre		*	
2. Compute volu	me of b	asin at c	lean-out (Vc).			
	Vc	=	22	cy/acre		*	

	sft		ft	ft	ft	cyd			
	172.76		8			14.89			
	172.76			20	10	14.81			
2-EX (PH-2)									
pe	e Surface Area	Surface Area (min)			Width	Vol Prov			
	sft		ft	ft	ft	cyd			
	145.62	145.62				11.40			
	145.62	145.62			9	12.00			
Dimensions									
	пензюнз								
e	Drainage Area	Q10	Veloci	ty Flow	Depth	Freeboard			
e	Drainage Area AC	Q10 cfs	Veloci ¹ fps	ty Flow	Depth ft	Freeboarc ft			
e	Drainage Area AC 1	Q10 cfs 3.65	Veloci fps 1.59	ty Flow	Depth ft .16	Freeboarc ft 1.84			
e	Drainage Area AC 1 0.14	Q10 cfs 3.65 0.51	Velocit fps 1.59 1.61	ty Flow	Depth ft .16 .22	Freeboarc ft 1.84 1.78			
e	Drainage Area AC 1 0.14 0.344	Q10 cfs 3.65 0.51 1.26	Veloci ¹ fps 1.59 1.61 1.58	ty Flow 0 0 0	Depth ft .16 .22 .15	Freeboarc ft 1.84 1.78 1.85			
e	Drainage Area AC 1 0.14 0.344 0.26	Q10 cfs 3.65 0.51 1.26 0.95	Veloci ⁷ fps 1.59 1.61 1.58 1.67	ty Flow 0 0 0 0	Depth ft . .16 . .22 . .15 . .17 .	Freeboard ft 1.84 1.78 1.85 1.85			
e	Drainage Area AC 1 0.14 0.344 0.26 0.19	Q10 cfs 3.65 0.51 1.26 0.95 0.69	Veloci ¹ fps 1.59 1.61 1.58 1.67 1.62	ty Flow 0 0 0 0 0 0 0	Depth ft . .16 . .22 . .15 . .17 . .18 .	Freeboard ft 1.84 1.78 1.85 1.83 1.82			

| POLYACRYLAMIDE (PAM)

- THE MANUFACTURER OR SUPPLIER SHALL PROVIDE WRITTEN APPLICATION METHODS FOR PAM AND PAM MIXTURES. THE APPLICATION METHOD SHALL INSURE UNIFORM COVERAGE TO THE TARGET AND AVOID DRIFT TO NON-TARGET AREAS INCLUDING WATERS OF THE STATE. THE MANUFACTURER OR SUPPLIER SHALL ALSO PROVIDE WRITTEN INSTRUCTIONS TO
- INSURE PROPER SAFETY, STORAGE, AND MIXING OF THE PRODUCT.
- ADDITIVES SUCH AS FERTILIZERS, SOLUBILITY PROMOTERS OR INHIBITORS, ETC. TO PAM SHALL BE NON-TOXIC.

NOT EXCEED 200 POUNDS/BATCH AT 0.05% ACRY LAMIDE MONOMER (AMD) OR 400 POUNDS/BATCH AT 0.025% AMD.

. THE SUPPLIER SHALL PROVIDE WRITTEN GUARANTEE OF NO TOXICITY IN THE PRODUCT AND PROOF OF PERFORMANCE IN

MAINTENANCE WILL CONSIST OF REAPPLYING ANIONIC PAM TO DISTURBED AREAS INCLUDING HIGH USE TRAFFIC AREAS WHICH

Pm

10. THE CONTRACTOR SHALL SUBMIT SOIL SAMPLES TO PAM SUPPLIER PRIOR TO ORDERING PAM FOR USE ON THE SITE. THE

CONTRACTOR SHALL ONLY USE PAM PRODUCTS SUITABLE TO PERFORM FOR THE SOIL CONDITIONS OF THIS SITE.

GEL BARS OR LOGS OF ANIONIC PAM MIXTURES MAY BE USED IN DITCH SYSTEMS. THIS APPLICATION SHALL MEET THE SAME

TO PREVENT EXCEEDING THE ACRYLAMIDE MONOMER LIMIT IN THE EVENT OF A SPILL, THE ANIONIC PAM IN PURE FORM SHALL

- MANUFACTURER'S RECOMMENDATIONS.

- USERS OF ANIONIC PAM SHALL OBTAIN AND FOLLOW ALL MATERIAL SAFETY DATA SHEET REQUIREMENTS AND

ANIONIC PAM, IN PURE FORM, SHALL HAVE LESS THAN OR EQUAL TO 0.05% ACRYLAMIDE MONOMER BY WEIGHT, AS

THE LAND APPLICATION OF PRODUCT CONTAINING ANIONIC POLYACRYLAMIDE (PAM) AS TEMPORARY SOIL BINDING AGENTS TO

TO REDUCE EROSION FROM WIND AND WATER ON CONSTRUCTION SITES AND AGRICULTURAL LANDS. OTHER BENEFITS MAY INCLUDE

THIS TEMPORARY PRACTICE IS INTENDED FOR DIRECT SOIL SURFACE APPLICATION TO SITES WHERE THE TIMELY ESTABLISHMENT OF VEGETATION MAY NOT BE FEASIBLE OR WHERE VEGETATIVE COVER IS ABSENT OR INADEQUATE. SUCH AREAS MAY INCLUDE AGRICULTURAL LANDS, WHERE PLANT RESIDUES ARE INADEQUATE TO PROTECT THE SOIL SURFACE, AND CONSTRUCTION SITES

THIS TEMPORARY PRACTICE IS NOT INTENDED FOR APPLICATION TO SURFACE WATERS OF THE STATE. IT IS INTENDED FOR APPLICATION WITHIN CONSTRUCTION STORM WATER DITCHES AND STORM DRAINAGES WHICH FEED INTO PRECONSTRUCTED SEDIMENT

ANIONIC PAM APPLICATION SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL LAWS, RULES OR REGULATIONS GOVERNING ANIONIC PAM. THE OPERATOR IS RESPONSIBLE FOR SECURING REQUIRED PERMITS. THIS STANDARD DOES NOT CONTAIN THE TEXT

ANIONIC PAM IS AVAILABLE IN EMULSIONS, POWDERS, AND GEL BARS OR LOGS. IT IS REQUIRED THAT OTHER BEST MANAGEMENT PRACTICES BE USED IN COMBINATION WITH ANIONIC PAM. THE USE OF SEED AND MULCH FOR ADDITIONAL EROSION PROTECTION

BEYOND THE LIFE OF THE ANIONIC PAM IS RECOMMENDED. REPEAT APPLICATION IF DISTURBANCE OCCURS TO TARGET AREA.

CONSIDER THAT DECREASED PERFORMANCE CAN OCCUR DUE TO ULTRA-VIOLET LIGHT AND TIME AFTER MIXING WHEN

NEVER ADD WATER TO PAM, ADD PAM SLOWLY TO WATER. IF WATER IS ADDED TO PAM, "GLOBS" CAN FORM WHICH CAN CLOG DISPENSERS. THIS SIGNIFIES INCOMPLETE DISSOLVING OF THE PAM AND THEREFORE INCREASES THE RISK OF UNDER-

THE FOLLOWING ARE ADDITIONAL RECOMMENDATIONS RELATING TO DESIGN WHICH MAY ENHANCE THE USE OF OR AVOID

IN FLOW CONCENTRATION CHANNELS, THE EFFECTIVENESS OF ANIONIC PAM FOR STABILIZATION DECREASES.

ONLY THE ANIONIC FORM OF PAM SHALL BE USED. CATIONIC PAM IS TOXIC AND SHALL NOT BE USED.

ESTABLISHED BY THE FOOD AND DRUG ADMINISTRATION AND THE ENVIRONMENTAL PROTECTION AGENCY.

WHERE LAND-DISTURBING ACTIVITIES PREVENT THE ESTABLISHMENT OR MAINTENANCE OF A VEGETATIVE COVER.

REDUCE SOIL EROSION. AGENTS TO REDUCE SOIL EROSION.

IMPROVED WATER QUALITY, INFILTRATION, SOIL FERTILITY, AND VISIBILITY.

OF THE FEDERAL. STATE, OR LOCAL LAWS GOVERNING ANIONIC PAM.

USE SETBACKS WHEN APPLYING ANIONIC PAM NEAR NATURAL WATERBODIES.

APPLICATION RATES SHALL CONFORM TO MANUFACTURER'S GUIDELINES FOR APPLICATION.

MULCH TO PROTECT SEED, IF SEED IS APPLIED WITH ANIONIC PAM.

TESTING REQUIREMENTS AS ANIONIC PAM EMULSIONS AND POWDERS.

PURPOSE

CONDITIONS

PONDS OR BASINS.

FEDERAL, STATE AND LOCAL LAWS

PROBLEMS WITH THE PRACTICE:

APPLYING ANIONIC PAM.

6. NOT ALL POLYMERS ARE PAM.

MIXTURES SHALL BE NON-COMBUSTIBLE.

OPERATION AND MAINTENANCE

INTERFERE IN THE PERFORMANCE OF THIS PRACTICE.

APPLICATION.

CRITERIA

WRITING.

PLANNING CONSIDERATIONS

TO MAINTIAN LESS THAN EQUAL TO 0.05% OF ACRYLAMIDE MONOMER, THE MAXIMUM APPLICATION RATE OF PAM. IN PURE FORM. SHALL NOT EXCEED 200 POUNDS/ACRE/YEAR. DO NOT OVER APPLY PAM. EXCESSIVE APPLICATION OF PAM CAN LOWER INFILTRATION RATE OR SUSPEND SOLIDS IN WATER, RATHER THAN PROMOTING SETTLING.

PAM AND PAM MIXTURES SHALL BE ENVIRONMENTALLY BENIGN, HARMLESS TO FISH, WILDLIFE, AND PLANTS. PAM AND PAM

C-15

WATER & SEWER DETAILS

6" CLEANOUT DETAIL AT P/L

DETAIL No. S-17

TANDARD DETAIL

VROJECTS/08/08037-Bioraville Specs/Datails Draft September 2008/SEWER/S-17.dag

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NQF

SMB

		SIZE INCHES	PRESSURE CLASS P.S.I	LAY MAXIMUM D TYPF III	ING CONDITIO	ons Er in feet Typf v			
		6	.350	.37	47	65	-		
		8	350	25	34	50	-		
		10	350	19	28	45	-		
		12	350	19	28	44	1		
		14	250 300 350	15 17 19	23 26 27	36 42 44	-		
	-		250 300 350	15 17 20	24 26 28	34 39 44			
		18	250 300 350	14 17 19	22 26 28	31 36 41			
		20	250 300 350	14 17 19	22 26 28	30 35 38			
		24	200 250 300 350	12 15 17 19	17 20 24 28	25 29 32 37			
		AWWA M41 T	ABLE 4 – 6	5			_		
ļ									
DATE:				DETAIL TI	TLE:		DETAIL NO.		
SCALE:		N.T.S.	MAXIM	MAXIMUM TRENCH DEPTHS, D.I.P.					
DRAWN BY:			- MAXIM	MAXIMUM TRENCH DEPTHS, D.I.P.					

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