EROSION AND SEDIMENT CONTROL NARRATIVE	virginia ef	ROSION AND SEDIMENT CONTROL PLAN MINIMUM STANDARDS (MS) CHECKLIST	<u> </u>
EROSION AND SEDIMENT CONTROL	YES N/A	9VAC25-840-40 MINIMUM STANDARDS DESCRIBE HOW MS IS ADDRESSED ON PLAN	DATE
ENTERSIVE BEGING AND SEDIMENT CONTROL MEASURES INCLIDING SILT PENCE. INLET PROTECTION, A CONSTRUCTION INTRANCE, AND SEC MATTING ARE PROPOSED FOR THE SITE. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING AND MAINTAINING ALL FORESTAINED AND STRUCTURAL PROSION AND SEDIMENT CONTROL. PRACTICES SHALL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MENGINES INTANDARDS AND SPECIFIC ATIONS OF THE PROBLEM AND ADMINISTRATION OF THE PROBLEM AND STRUCTURAL PROSION AND SEDIMENT CONTROL HANDBOOK, AND STRUCTURAL PROSION AND SEDIMENT CONTROL HANDBOOK, AND STRUCTURAL PROBLEM AND STRUCTURAL PROPOSED FOR THE SITE AND STRUCTURAL PROSION AND SEDIMENT CONTROL HANDBOOK, AND	X	MSI: PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLED TO DENUED AREAS WITHIN SEVEN DAYS AFTER FINAL FORADE IS REACHED ON ANY PORTION OF THE SITE TEMPORARY SOIL STABILIZATION SHALL BE APPLED AREAS WITHIN SEVEN DAYS TO DENUEDED AREAS WITHIN SEVEN DAYS TO DENUEDED AREAS WITHIN SEVEN DAYS TO DENUEDED AREAS WITHIN SEVEN DAYS TO DESCRIPTION SHALL BE APPLED TO AREAS STHAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN DORMANT FOR LONGER THAN ONE YEAR. STABILIZATION SHALL BE APPLIED TO AREAS STHAT ARE TO BE LEFT DORMANT FOR MORE THAN ONE YEAR.	
THE PROPOSED DITCHES AND SEDIMENT TRAP ARE ADEQUATE TO RANDICE THE O'TEAR DESIGN STORM.	X	MS2: DURING CONSTRUCTION OF THE PROJECT, SOIL STOCK PILES AND BORROW AREAS SHALL BE STABILIZED OR PROTECTED WITH SEDIMENT TRAPPING MEASURES. THE APPLICANT IS RESPONSIBLE FOR THE TEMPORARY PROTECTION AND PERMANENT STABILIZATION OF ALL SOIL STOCKPILES ON SITE AS WELL AS BORROW AREAS AND SOIL INTENTIONALLY TRANSPORTED THE PROJECT SITE. AND SEDIMENT CONTROL PLANS.	
STRUCTURAL PRACTICES	X	MS3: A PERMANENT VEGETATIVE COVER SHALL BE ESTABLISHED ON DENUDED AREAS NOT OTHERWISE PERMANENTLY STABILIZED. PERMANENT VEGETATION SHALL NOT BE CONSIDERED ESTABLISHED UNTIL A GROUND COVER IS ACHIEVED THAT IS UNIFORM, MATURE	SN
SILT FENCE SILT FENCE SEDIMENT BARRIERS WILL BE USED WHERE THE SITE IS DRAINING AWAY FROM THE CENTER OF THE SITE TO FILTER ANY SEDIMENT-LADEN RUNOFF FROM SHEET FLOW. 5.	X	ENOUGH TO SURVIVE AND WILL INHIBIT EROSION. MS4: SEDIMENT BASINS AND TRAPS, PERIMETER DIKES, SEDIMENT BARRIERS AND OTHER MEASURES INTENDED TO TRAP SEDIMENT SHALL BE: CONSTRUCTED AS A PIRST STEP IN ANY LAND-DISTURBING ACTIVITY AND SHALL BE: MADE FUNCTIONAL BEFORE UPSLOPE TRAPPING MEASURES DURING THIS INITIAL LAND CLEARING PHASE OF THE PROJECTIVE TRAPPING MEASURES DURING THIS INITIAL LAND CLEARING PHASE OF THE PROJECTIVE TRAPPING MEASURES DURING THIS INITIAL LAND CLEARING PHASE OF THE PROJECTIVE TRAPPING MEASURES DURING THIS INITIAL LAND CLEARING PHASE OF THE PROJECTIVE TRAPPING MEASURES DURING THIS INITIAL LAND CLEARING PHASE OF THE PROJECTIVE TRAPPING MEASURES DURING THIS INITIAL LAND CLEARING PHASE OF THE PROJECTIVE TRAPPING MEASURES DURING THIS INITIAL LAND CLEARING PHASE OF THE PROJECTIVE TRAPPING MEASURES DURING THIS INITIAL LAND CLEARING PHASE OF THE PROJECTIVE TRAPPING MEASURES DURING THIS INITIAL LAND CLEARING PHASE OF THE PROJECTIVE TRAPPING MEASURES DURING THIS INITIAL LAND CLEARING PHASE OF THE PROJECTIVE TRAPPING MEASURES DURING THIS INITIAL LAND CLEARING PHASE OF THE PROJECTIVE TRAPPING MEASURES DURING THIS INITIAL LAND CLEARING PHASE OF THE PROJECTIVE TRAPPING MEASURES DURING THIS INITIAL LAND CLEARING PHASE OF THE PROJECTIVE TRAPPING MEASURES DURING THIS INITIAL LAND CLEARING PHASE OF THE PROJECTIVE TRAPPING MEASURES DURING THIS INITIAL LAND CLEARING PHASE OF THE PROJECTIVE TRAPPING MEASURES DURING THIS INITIAL LAND CLEARING PHASE OF THE PROJECTIVE TRAPPING MEASURES DURING THIS INITIAL LAND CLEARING PHASE OF THE PROJECTIVE TRAPPING MEASURES DURING THIS INITIAL LAND CLEARING PHASE OF THE PROJECTIVE TRAPPING MEASURES DURING THIS INITIAL LAND CLEARING PHASE OF THE PROJECTIVE TRAPPING MEASURES DURING THIS INITIAL LAND CLEARING PHASE OF THE PROJECTIVE TRAPPING MEASURES DURING THIS INITIAL LAND CLEARING PHASE OF THE PROJECTIVE TRAPPING MEASURES DURING THIS INITIAL LAND CLEARING PHASE OF THE PROJECTIVE TRAPPING MEASURES DURING THIS INITIAL LAND CLEARING PHASE OF THE PROJECTIVE TRAPPING PHASE OF THE PR	EVISIO
DITCHES DITCHES DITCHES BE INSTALLED TO DIRECT SEDIMENT LADEN RUNOFF TO THE PROPOSED CONTROLS FOR FILTERING PRIOR TO LEAVING THE SITE.	X	LAND DISTURBANCE TAKES PLACE. MSS: STABILIZATION MEASURES SHALL BE APPLIED TO EARTHEN STRUCTURES SUCH AS DAMS, DIKES AND DIVERSIONS IMMEDIATELY AFTER INSTALLATION. NOTES ARE INCLUDED WITH THE DETAILS OF THE VARIOUS EARTHEN STRUCTURES SUCH AS SWALE AND TEMPORARY STOCK PILES, SPECIFYING THESE REQUIREMENTS.	α.
ECMATING BY MATTING IS A SOIL STABILIZATION BLANKET. THESE BLANKETS ARE INSTALLED ON SURFACES WITH SIGNIFICANT SLOPES TO HOLD SEED AND SOIL INTACT DURING THE ESTABLISHMENT OF VEGETATIVE COVER.	Х	MSS: SEDIMENT TRAPS AND SEDIMENT BASINS SHALL BE DESIGNED AND CONSTRUCTED BASED UPON THE TOTAL DRAINAGE AREA TO BE SERVED BY THE TRAP OR BASIN. THE SITE ITS TREATED BY SILT FENCE, A SEDIMENT TRAP, AND IN THE PROTECTION FOR CONSTRUCTION.	
ROCK CHECK DAMS ROCK CHECK DAMS ARE SMALL TEMPORARY STONE DAMS. THESE CHECK DAMS WILL BE INSTALLED ACROSS THE DITCHES TO REDUCE THE VELOCITY OF CONCENTRATED STORMWATER FLOW. THEREBY REDUCING EROSION OF THE DITCH. THE DAMS ALSO TRAP SEDIMENT BY PONDING OF THE STORMWATER RUNGEF.		A. THE MINIMUM STORAGE CAPACITY OF A SEDIMENT TRAP SHALL BE 134 CUBIC YAROS PER ACRE OF DRAINAGE AREA AND THE TRAP SHALL ONLY CONTROL DRAINAGE AREAS LESS THAN THREE ACRES. B. SURFACE RUNOFF FROM DISTURBED AREAS THAT IS COMPRISED OF FLOW FROM DRAINAGE AREAS GREATER THAN OR FOULA TO THREE ACRES SHALL BE CONTROLLED BY A SEDIMENT BRASIN. THE MINIMUM STORAGE CAPACITY OF A SEDIMENT BASIN SHALL BE 134 CUBIC YARDS PER ACRE OF DRAINAGE AREA. THE OUTFALL SYSTEM SHALL, AT A MINIMUM, MAINTAIN THE STRUCTURAL INTEGRITY OF THE BASIN DURING A 25-YEAR STORM OF 24-HOUR DURATION. RUNOFF COEFFICIENTS USED IN RUNOFF CALCULATIONS SHALL	o Z
INLET PROTECTION SHALL BE CONSTRUCTED ON ALL EXISTING AND PROPOSED PALETS IMMEDIATELY SURROUNDING THE SITE TO MINIMIZE THE POSSIBILITY OF SEDIMENT ENTERING THE EXISTING STORM SEWER SYSTEM DURING CONSTRUCTION.	X	CORRESPOND TO A BARE EARTH CONDITION OR THOSE CONDITIONS EXPECTED TO EXIST WHILE THE SEDIMENT BASIN IS UTILIZED. MSZ: CUT AND FILL SLOPES SHALL BE DESIGNED AND CONSTRUCTED IN A MANNER THAT WILL WINNIMIZE REGISTOR, SLOPES THAT ARE FOUND TO BE ERDONING EXCESSIVELY WHITHIN ONE YEAR OF PERMANENT STABILIZATION SHALL BE PROVIDED WITH ADDITIONAL SLOPE ALL CUT XND FILL SLOPES AND CONSTRUCTED IN A MANNER THAT WILL WINNIMIZE REGISTOR. SLOPES THAT ARE FOUND TO BE ERDONING EXCESSIVELY WHITHIN ONE YEAR OF PERMANENT STABILIZATION SHALL BE PROVIDED WITH ADDITIONAL SLOPE.	
OUTLET PROTECTION SHALL BE CONSTRUCTED ON ALL EXISTING AND PROPOSED OUTLET STRUCTURES IMMEDIATELY SURROUNDING THE SITE TO PREVENT SCOUR AT STORMWATER OUTLETS DURING CONSTRUCTED.	X	STABILIZING MEASURES UNTIL THE PROBLEM IS CORRECTED. MSB: CONCENTRATED RUNOFF SHALL NOT FLOW DOWN CUT OR FILL SLOPES UNLESS CONTAINED WITHIN AN ADEQUATE TEMPORABY OR ANY RUNOFF DATA FILL SLOWS IS SHEWFLOW AND THEREFORE SHOULD NOT ERODE THE SOILS.	NA 23.
VEGETATIVE PRACTICES	X	PERMANENT CHANNEL, FLUME OR SLOPE DRAIN STRUCTURE. MS9: WHENEVER WATER SEEPS FROM A SLOPE FACE, ADEQUATE DRAINAGE OR OTHER PROTECTION SHALL BE PROVIDED. ALL SLOPE FACES AND GRADE FOR MATCH EXISTING DRAINAGE PATTERNS.	NOND, V.
TOPSOILING ISTOCKPILE; TOPSOIL WILL BE STRIPPED FROM AREAS TO BE GRADED AND STOCKPILED FOR LAYER USE, THE STOCKPILE WILL BE STABILIZED WITH TEMPORARY SEEDING PER THE VESCH AND THE PERIMETER OF THE	X	MS10: ALL STORM SEWER INLETS THAT ARE MADE OPERABLE DURING CONSTRUCTION SHALL BE PROTECTED SO THAT SOMENT—LAS INLET PROTECTED IS PROPOSED ON ALL EXISTING INLETS. WATER CANNOT ENTER THE CONVEYANCE SYSTEM WITHOUT FIRST BEING FILTERED OR OTHERWISE TREATED TO REMOVE SOMENT.	ASSOC ASSOC ASSOC
STOCKPILE AREA WILL HAVE A DOUBLE LAYER OF SILT FENCE PROTECTION AROUND IT. TEMPORINS SECTION ALL AREAS STHAT SHAVE NOT REACHED EINAL GRADE AND WILL BE LEFT DORMANT FOR MORE THAN 30 DAYS BUT LESS THAN ONE YEAR WILL BE SEEDED WITH FAST GERMINATING TEMPORARY VEGETATION	x	MSIL: BEFORE NEWLY CONSTRUCTED STORMWATER CONVEYANCE CHANNELS OR PIPES ARE MADE CAME ADEQUAD ATTLET MOTECTION IS PROVIDED AT ALL STORM OUTFALLS. PROTECTION AND ANY REQUIRED TEMPORARY OR PERMANENT CHANNEL LINING SHALL BE INSTRUCTED IN BUT CONVEY.	N AND AS STE 200, 04-673
MAL AREAS THAT HAVE NOT REAL FIELD FINAL (READE AND WILL BE LEFT DORMAN) FOR MORE THAN 30 DAYS BUT LESS. SHAN ONE YEAR WILL BE SEEDED WITH FAST GERMINATING TEMPORARY VEGETATION IMMEDIATELY FOLLOWING GRADING SELECTION OF THE SEED MIXTURE WILL DEPEND ON THE TIME OF YEAR IT IS APPLIED, BUT WILL BE IN ACCORDANCE WITH VISCOS STANDARDS. PERMINENT SEEDING/8/00/DING/FERTILIZATION	X	CHANNEL AND RECEIVING CHANNEL MS12: WHEN WORK IN A LIVE WATERCOURSE IS PERFORMED, PRECAUTIONS SHALL BE WAS NO MINIMIZE ENCROSSIONED WITH A LIVE WATERCOURSE IS ANTICIPATED. SEDIMENT TRANSPORT AND STABILIZE THE WORK AREA TO THE GREATEST EXTENT POSSIBLE BRIGHT AND COFFEDNANS. EARTH SHIPLE WAS LEADED FOR THE CONSTRUCTION OF CAUSEWAYS AND COFFEDNANS. EARTH SHIPLE WAS BEST OF THES	EY-HORN FOR SUI PHONE: SOI WW.KIME.E
ALL OFF-SITE UNPAYED OPEN AREAS THAT HAVE REACHED FINAL GRADE WILL BE PERMANENTLY SEEDED IMMEDIATELY FOLLOWING GRADING, PERMANENT SEEDING AND PERTILIZATION WILL FOLLOW THE FLANTING SCHEDULE PROVIDED IN THE SITE PLANTS GENERAL BE PERMANENTLY SEEDED OR SODDED AND PERTILIZED IMMEDIATELY FOLLOWING GRADING. FOR THIS PHASE OF THE NORFOCK ITS A POTAL TRICK THAT PINAL GRADE WILL BE PERMANENT SEEDING WILL ONLY BE UTILIZED IN ADMINISTRATION OF THE STREAM FOR THE SEEDING WILL ONLY BE UTILIZED IN ADMINISTRATION OF THE STREAM FOR THE SEEDING WILL ONLY BE UTILIZED IN ADMINISTRATION OF THE STREAM FOR THE SEEDING WILL ONLY BE UTILIZED IN ADMINISTRATION OF THE STREAM FOR THE SEEDING WILL ONLY BE UTILIZED IN ADMINISTRATION OF THE STREAM FOR THE SEEDING WILL ONLY BE UTILIZED IN ADMINISTRATION OF THE STREAM FOR THE SEEDING WILL ONLY BE UTILIZED IN ADMINISTRATION OF THE STREAM FOR THE SEEDING WILL ONLY BE UTILIZED IN ADMINISTRATION OF THE STREAM FOR THE STREAM FOR THE STREAM FOR THE SECOND OF THE STREAM FOR THE SECOND OF THE STREAM FOR THE STREAM FOR THE STREAM FOR THE SECOND OF THE STREAM FOR THE STREAM FOR THE SECOND OF THE STREAM FOR THE SECOND OF THE STREAM FOR THE STREAM FO	X	STRUCTURES IF ARMORED BY MONERODIBLE COVER MATERIALS. MSI3: WHEN A LIVE WATERCOURSE MUST BE CROSSED BY CONSTRUCTION VEHICLES MORE THAN SEE IN ANY SE MONTH PERIOD, A NO VEHICLE CROSSINGS OVER A LIVE WATERCOURSE ARE ANTIGIPATED.	KIMLEY LAWN (
PARTICULAR AREA IS EXPECTED TO REMAIN DORMANT FOR GREATER THAN ONE YEAR. MANAGEMENT STRATEGIES L. CONSTRUCTION WILL BE SEQUENCED SO THAT GRADING OPERATIONS CAN BEGIN AND END AS QUICKLY AS POSSIBLE.	X	TEMPORARY VEHICULAR STREAM CROSSING CONSTRUCTED OF NO MARKET LE MATERIAL SHALL BE MAJDED. MS14: ALL APPLICABLE FEDERAL, STATE AND LOCAL REQUIREMENTS PROMISING TO WORKING IN OR DOSSING FLIVE WATERCOURSES NO CROSSINGS OVER OR WORK WITHIN A LIVE WATERCOURSE ARE ANTICIPATED. SHALL BE MET.	\$ 2018
2. TEMPORARY SEDIOR OF OTHER STRAILERATIONS CAP SEGION AND END AS QUEEKLY AS POSSIBLE. 2. TEMPORARY SEDIOR OF OTHER STRAILERATION MELT POLICUS IMMEDIATELY AFFER GRADING. 3. AREAS WHICH ARE NOT TO BE DISTURBED WILL BE CELEARLY MARKED BY PLACES, SIGNS, ETC. 4. THE RESPONSIBLE LAND DISTURBER WILL BE RESPONSIBLE LAND LAST BEAUTIMENT FOR THE HISTORY AND MARKED BY PLACES.	X	MS15: THE BED AND BANKS OF A WATERCOURSE SUALL BE STABILIZED WATERLY AFTER WORK IN METERCOURSE IS NO WORK IN A LIVE WATERCOURSE IS ANTICIPATED. OWNER IN A LIVE WATERCOURSE IS ANTICIPATED. WISTE, UNDERGROUND UTILITY LINES SHALL BE INSTALLED IN ACCORDANCE WE THE FOLLOW STANDARDS IN ADDITION TO OTHER NOTES DESCRIBE HOW UNDERGROUND UTILITIES ARE TO BE INSTALLED.	
5. AFTER ACRIEVING ADEQUATE STABILIZATION, THE TEMPORARY E&S CONTROLS WILL BE CLEANED UP AND REMOVED. FERMANENT STABILIZATION	×	APPLICABLE CRITERIA:	
ALD DISTURBED AREAS THAT WILL REMAIN DORMANT FOR MORE THAN ONE YEAR WILL BE STABLIZED WITH FREMANENT SEEDING IMMEDIATELY FOLLOWING GRADING. SEEDING WILL BE DONE IN ACCORDANCE WITH THE PLANTING SCHEDULE PROVIDED ON THE NOTES SREET IN THE SITE PLAN DRAWINGS. IN ALL SEEDING OPERATIONS, SEED, FERTILIZER, AND LIME WILL BE APPLIED PRIOR TO MULCHING. MAINTHANKE		A. NO MORE THAN SOC LINEAR FEW, TENCH MAR BEE OPENED AT ONE TIME. B. EXCAVATED MATERIAL SHAL BE PLA. SIN THE BHILL SIDE OF TRENCHES. C. EFFLUENT FROM DEWAY NO OPERATIO. SHALL BE PILLERED OR SMEED THROUGH AN APPROVED SEDIMENT TRAPPING DEVICE, OR BOTH, AND DISCHARGE. MAINLER THE NO ADVERSELY AST FLOWING STREAM OFF—SITE PROPERTY. D. MAITERAL USED OR BASE NOT TRENSELS. PROPERTY COMPACTED IN ORDER TO MINIMAZE EROSION AND PROMOTE.	ON BALTH OF
IN GENERAL, ALL EROSION AND SEDMENT CONTROL MEASURES WILL BE CHECKED DAILY, AFTER EVERY SIGNIFICANT RAINFALL (0.5" IN A 24-HOUR DURATION), AND IN ACCORDANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN. THE FOLLOWING ITEMS WILL BE CHECKED IN PARTICULAR:		D. MATERIAL DEED ON BARE 10 THE RESEARCH TO THE RESEARCH TO MINIMALE EXCISION AND PROMOTE STABILIZATION AND SHALL BE ASSET SHALL AND SHALL BE ASSET SHALL BE	3 / Lell Kay
THE CONSTRUCTION ENTRANCE SHALL BE CHECKED REGULARLY FOR SEDMENT BUILDUP WHICH WILL PREVENT THE CLEANING OF THE WHEELS OF CONSTRUCTION TRAFFIC. IF CONSTRUCTION ENTRANCE IS CLOGGED BY SEDMENT, IT SHALL BE REMOVED AND ICLEANED OR REPLACED. THE SELT FENCE BARRIERS SHALL BE CHECKED REGULARLY FOR UNDERMINING OR DETERIORATION OF THE FABRIC. SEDMENT SHALL BE REMOVED WHEN THE LEVEL OF SEDMENT DEPOSITION REACHES HALF WAY TO THE TOP OF THE BARRIER. THE SEEDED AREAS SHALL BE CHECKED REGULARLY TO ENSURE THAT A GOOD STAND OF VEGETATION. S MAINTAINED, AREAS SHALL BE FERTILIZED AND RESEDED AS NEEDED TO ESTABLISH AND MAINTAIN A GOOD STAND OF VEGETATION.	×	MS2 HERE CONSTRUCTION VEHICLE AS ROUTES INTERSECT PAVED OR PUBLIC ROADS, PROVISIONS SHALL BE MADE TO MINIMIZE THE ROADS BY VEHICLAS TO ARCKING ONTO THE PAVED SURFACE, WHERE SEDIMENT IS TRANSPORTED ONTO A PAVED SURFACE, THE ROADS BY VEHICLAS TO ARCKING ONTO THE PAVED SURFACE, WHERE SEDIMENT IS TRANSPORTED ONTO A PAVED SURFACE, THE ROADS BY SHALL BE CLEARD THOROGOBICAL TAT THE ERO FEACH DAY. SEDIMENT SHALL SELECTION OF THE ROADS BY SHALL BE CLEARD THOROGOBICAL TO A SCHOOL	Lic. No. 14950 8(24/18
4. EC MAYTING ON STOCKPILES SHOULD BE CHECKED REGULARLY TO ENSURE IT HAS NOT BEEN DAMAGED FROM CONSTRUCTION OPERATIONS. ANY DAMAGED EC MAYTING SHALL BE REPLACED. SOLS	×	ALL EMPOND PROSON AND SEDMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STANDARD OF AN ATHE TEMPORARY MEASURES ARE NO LONGER NEEDED, UNLESS OTHERWISE AUTHORIZED BY THE VESCH SEDMENT CONTROL MEASURES IN ACCORDANCE WITH THE LATEST EDITION OF THE VIRGINIA EROSION AND SEDMENT CONTROL MEASURES IN ACCORDANCE WITH THE LATEST EDITION OF THE VIRGINIA EROSION AND	3 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
THE PREDOMINANT SOILS ARE LISTED ON THE UNITED STATES DEPARTMENT OF AGRICULTURE (USDA) WER SOIL SURVEY AS ALTAVISTA-URBAN LAND COMPLEX (ABOUT 97% OF THE SITE) AND UDORTHENTS-DUMPS COMPLEX (ABOUT 37% OF THE SITE) PROPERTIES OF THIS SOIL WERE DERIVED FROM THE SURVEY INCLUDE THE FOLLOWING:		BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION AND SEDIMENTATION. HAS BEEN PERMANENTLY STABILIZED." WILL BE ADDED TO THE FULL SITE PLAN SUBMITTAL.	ROJEC 07000 77000 17E S SHC BY L
MIP CAST, 24-TOJOTE E-URBAN LAND COMPLEX, OT 2 PERCENT SLOPES COMPONENT: TOMOTIES (FORM) THE TOMOTIES (FOR		ERGSION AND DAMAGE DUE TO INCREASES IN YOLUME, VELOCITY AND PEAK FLOW RATE OF STORMWATER RUNGEF FOR THE STATED FREQUENCY STORM OF 24-HOUR DURATION IN ACCORDANCE WITH THE FOLLOWING STANDARDS AND CRITERIA. STREAM RESTORATION AND RELOCATION PROJECTS THAT INCORPORATE NATURAL CHANNEL DESIGN CONCEPTS ARE NOT MAN-MADE CHANNELS AND SHALL BE	CHA P 11660 DA 18/24 ANE A SIGNED ECKED E
AGOSTAL SECRETARY AND ANY FEBRUARY, MARCH, APRIL, DECEMBER ORGANIC MATTER CONTENT IN THE SURFACE HORIZON IS ABOUT 4 PERCENT. NONIRRIGATED LAND CAPABILITY CLASSIFICATION IS 4V. THIS SOIL BY THE SOIL BY SOIL		EXEMPT FROM ANY FLOW RATE CAPACITY AND VELOCITY REQUIREMENTS FOR NATURAL OR MAN-MADE CHANNELS: A CONCENTRATED STORMWATER RUNGET LEAVING A DEVELOPMENT SITE SHALL BE DISCHARGED DIRECTLY INTO AN ADEQUATE NATURAL	2 3 8 8 8
COMPONENT: URBAN LAND (15%) GENERATED BRIDE SOIL DESCRIPTIONS ARE CREATED FOR MAJOR SOIL COMPONENTS. THE URBAN LAND IS A MISCELLANEOUS AREA.		OR MAN—MADE RECEIVING CHANNEL, PIPE OR STORM SEWER SYSTEM. FOR THOSE SITES WHERE RUNGF IS DISCHARGED INTO A PIPE OR PIPE SYSTEM, DOWNSTREAM STABILITY ANALYSES AT THE OUTFALL OF PIPE SYSTEM SHALL BE PERFORMED. B. ADEQUACY OF ALL CHANNELS AND PIPES SHALL BE VERIFIED IN THE FOLLOWING MANNER:	111
COMPONENT: NIMMO (3%) COMPONENT: NIMMO (3%) GENERATED BRIEF SOL DESCRIPTIONS ARE CREATED FOR MAJOR COMPONENTS. THE NIMMO SOIL IS A MINOR COMPONENT.		1) THE APPLICANT SHALL DEMONSTRATE THAT THE TOTAL DRAWAGE AREA TO THE POINT OF AMALYSIS WITHIN THE CHANNEL IS ONE HUNDRED TIMES GREATER THAN THE CONTRIBUTING DRAINAGE AREA OF THE PROJECT IN QUESTION; OR 22) (A) MATURAL, CHANNELS SHALL BE AMALYZED BY THE USE OF A TWO-YEAR STORM TO VERIFY THAT STORMWATER WILL NOT	\(\frac{1}{2}\)
MAP UNIT: 27-URBAN LAND ODMONENTE URBAN LAND (85%)		OVERTOP CHANNEL BANKS NOR CAUSE EROSION OF CHANNEL BED OR BANKS. (B) ALL PREVOUSLY CONSTRUCTED MAN-MADE CHANNELS SHALL BE KANALYZED BY THE USE OF A TEN-YEAR STORM TO VERIFY THAT STORMWATER WILL NOT OVERTOP ITS BANKS AND BY THE USE OF A TWO-YEAR STORM TO DEMONSTRATE THAT STORMWATER WILL NOT OVERTOP ITS BANKS AND BY THE USE OF A TWO-YEAR STORM TO DEMONSTRATE THAT STORMWATER WILL NOT CAUSE FROSION OF CHANNEL BED OR BANKS. AND	AT
GENERATED BRIEF SOB. DESCRIPTIONS ARE CREATED FOR MAJOR SOIL COMPONENTS. THE GRBAN LAND IS A MISCELLANBOUS AREA. COMPONENT: TOMOTLEY (1%)		RICH CAUSE EROSION OF CHANNEL BELD OR BAINS, AND (C) PIPES AND STORM SEMER SYSTEMS SHALL BE ANALYZED BY THE USE OF A TEN-YEAR STORM TO VERIFY THAT STORMWATER WILL BE CONTAINED WITHIN THE PIPE OR SYSTEM.	E
GENERATED BRIEF SOIL DESCRIPTIONS ARE CREATED FOR MAJOR COMPONENTS. THE TOMOTLEY SOIL IS A MINOR COMPONENT. COMPONENT: NIMMO (196)		C. IF EXISTING NATURAL RECEIVING CHANNELS OR PREVIOUSLY CONSTRUCTED MAN-MADE CHANNELS OR PIPES ARE NOT ADEQUATE, THE APPLICANT SHALL: 1) MAPROY THE CHANNELS TO A CONDITION WHERE A TEN-YEAR STORM WILL NOT OVERTOP THE BANKS AND A TWO-YEAR STORM	¥
GENERATED BRIEF SOIL DESCRIPTIONS ARE CREATED FOR MAJOR COMPONENTS. THE NIMMO SOIL IS A MINOR COMPONENT. A COPY OF THE UIDA SOIL INFORMATION IS INCLUDED IN APPENDIX A.		MIL NOT CAUSE EROSION TO THE CHANNEL, THE BED, OR THE BANKS; OR 2) IMPROVE THE PIPE OR PIPE SYSTEM TO A CONDITION WHERE THE TEN-YEAR STORM IS CONTAINED WITHIN THE APPURTENANCES; 3) DEVELOP A SHE DESIGN THAT WILL NOT CAUSE THE PRE-DEVELOPMENT PEAK RINDER RATE FROM A TWOYEAR STORM TO	Z
SEQUENCE OF CONSTRUCTION		INCREASE WHEN RUNGEF OUTFALLS INTO A NATURAL CHANNEL OR WILL NOT CAUSE THE PREDEVELOPMENT PEAK RUNGEF RATE FROM A TEN-VERA STORM TO INCREASE WHEN RUNGEF OUTFALLS INTO A MANADE CHANNEL OR 4) PROVIDE A COMBINATION OF CHANNEL IMPROVEMENT, STORNWATER DETENTION OR OTHER MEASURES WHICH IS SATISFACTORY TO THE VESOF AUTHORITY TO PREVENT DOWNSTREAM REPOSION.	SIO
PHASE I		D. THE APPLICANT SHALL PROVIDE EVIDENCE OF PERMISSION TO MAKE THE IMPROVEMENTS.) Š
OBTAIN NECESSIRY PERMITS BEFORE THE START OF CONSTRUCTION. COORDINATE REMOVAL AND OR RELOCATION OF ENSING FORCE POLES RITH DOMINION VIZ. OF A POWER.		E. ALL HYDROLOGIC ANALYSES SHALL BE BASED ON THE EXISTING WATERSHED CHARACTERISTICS AND THE ULTIMATE DEVELOPMENT CONDITION OF THE SUBJECT PROJECT.	
INSTALL INACE PROTECTION ON ENTRING STRUCTURES. PRIVALL STABILIZED CONSTRUCTION ENTRANCE. INSTALL SLIF FENCE.		F. IF THE APPLICANT CHOOSES AN OPTION THAT INCLUDES STORMWATER DETENTION, HE SHALL OBTAIN APPROVAL FROM THE VESCP OF A PLAN FOR MAINTENANCE OF THE DETENTION FACILITIES. THE PLAN SHALL SET FORTH THE MAINTENANCE REQUIREMENTS OF THE FACILITY AND THE PERSON RESPONSIBLE FOR PERFORMING THE MAINTENANCE.	
A INSTALL TEMPORARY SERVICES TEMPORARY SEDIMENT TRUP CONTRACTOR TO CONTRACT CITY OF MORPOLK, BUREAU OF ENVIRONMENTAL SERVICES AT 757-664 AND ENVIRONMENTAL FORM WATER MANAGEMENT SERVICES AT 757-823-4089, 48 HOURS PRIOR TO THE BEGINNING OF CONSTRUCTION OF SCHIZOLILE A PRE-CONSTRUCTION SECTION.		G. OUTFALL FROM A DETENTION FACILITY SHALL BE DISCHARGED TO A RECEIVING CHANNEL, AND ENERGY DISSIPATORS SHALL BE PLACED AT THE OUTFALL OF ALL DETENTION FACILITIES AS NECESSARY TO PROVIDE A STABILIZED TRANSITION FROM THE FACILITY TO THE RECEIVING CHANNEL.	Z
5 8. DEMOLISH EXISTING STRUCTURES AND PAPEALENT 5 9. DEMOLISH UNDERGROUND UTILITIES WITHIN THE LIMITS OF DISTURBANCE. 6 1		H. ALL ON-SITE CHANNELS MUST BE VERIFIED TO BE ADEQUATE. I. INCREASED VOLUMES OF SHEET FLOWS THAT MAY CAUSE EROSION OR SEDIMENTATION ON ADJACENT PROPERTY SHALL BE DIVERTED.	≥ Z
PHASE 2		TO A STABLE OUTLET, ADEQUATE CHANNEL, PIPE OR PIPE SYSTEM, OR TO A DETENTION FACILITY. J. IN APPLYING THESE STORMWATER MANAGEMENT CRITERIA, INDIVIDUAL LOTS OR PARCELS IN A RESIDENTIAL, COMMERCIAL OR	5 <u>0</u>
J. BEGIN INSTALLING UNDERGROUND STORM TO SENSIEM AND OLD ILL. PIPES AS A MURER SYSTEM BY BEING POSTALLED, CONTRACTOR SHALL INSTALL SULT FENCE AND INLET PROTECTION AS PRACTICABLE TO MINIMIZE ANY SEDIMENT FROM ENTERING THE SYSTEM. TRACTIC SHALL MUNTAIN FUND. ACCURATE THE SYSTEM. TRACTIC SHALL MUNTAIN FUND. ACCURATE THE SYSTEM. TO SEDIMENT FROM ENTERING THE SYSTEM.		NOUSTRIAL DEVELOPMENT SHALL NOT BE CONSIDERED TO BE SEPARATE DEVELOPMENT PROJECTS. INSTEAD, THE DEVELOPMENT, AS A WHOLE, SHALL BE CONSIDERED TO BE A SINGLE DEVELOPMENT PROJECT. HYDROLOGIC PARAMETERS THAT REFLECT THE ULTIMATE DEVELOPMENT CONDITION SHALL BE USED IN ALL EMGINEERING CALCULATIONS.	
2. NSTALL CILITIES AND STORM SYSTEM 3. PREPARE BUILDING PLAN 4. FILL DIVERSION WHERE APPLICABLE TO SLOW PAR		K. ALL MEASURES USED TO PROTECT PROPERTIES AND WATERWAYS SHALL BE EMPLOYED IN A MANNER WHICH MINIMIZES IMPACTS ON THE PHYSICAL, CHEMICAL AND BIOLOGICAL INTEGRITY OF RIVERS, STREAMS AND OTHER WATERS OF THE STATE.	
S INSTALL CURB & GUTTER 6, 6 APP FIRE SITE 7 FLATTER SERVICES (R.I.P.		L. ANY PLAN APPROVED PRIOR TO JULY 1, 2014, THAT PROVIDES FOR STORMWATER MANAGEMENT THAT ADDRESSES ANY FLOW RATE CARACITY AND VECULTY REQUIREMENTS FOR ADURAL OR MAN-MADE CHANNELS SHALL SATISFY THE FLOW RATE CAPACITY AND VELOCITY REQUIREMENTS FOR NATURAL OR MAN-MADE OHANNELS IF THE PRACTICES ARE DESIGNED TO 1. DETAIN THE WATER QUALITY WELD THE PROVIDENCE OF THE PRACTICES ARE DESIGNED TO 1. DETAIN THE WATER QUALITY	MAR W
AGBILIZAN DE ALS A TO REMAN TO DE DATA PERIOD OF FOURTEEN AS DATS OR LONGER SHALL BE INITIATED WITHIN IWENT-FOR GOS HOURS AFER CONSTRUCTION ACTIVITY CEASES IN THESE AREAS TEMPORARY OF STAD, ACTION SHALL GET WITHIN SEVEN (7) DAYS OF INITIATION, PERMANENTLY SEED ALL DERIVED AREAS THAT HAVE REACHED FINAL GRADE AND WILL BE DORMANT MORE THAN ONE DEAR, WITHIN 3		VOLUME AND TO RELEASE IT OVER 48 HOURS; II. DETAIN AND RELEASE OVER A 24-HOUR PERIOD THE EXPECTED RAINFALL RESULTING FROM THE ONE YEAR, 24- HOUR STORM; AND III. REDUCE THE ALLOWABLE PEAK FLOW RATE RESULTING FROM THE 15, 2, AND 10-YEAR, 24-HOUR STORMS TO A LEVEL THAT IS LESS THAN OR EDUAL TO THE PEAK FLOW RATE FROM THE SITE ASSUMING IT WAS IN A GOOD FORESTED CONDITION, ACHIEVED	A TO
		THROUGH MULTIPLICATION OF THE FORESTED PEAK FLOW RATE BY A REDUCTION FACTOR THAT IS EQUAL TO THE RUNOFF VOLUME FROM THE SITE WHEN IT WAS IN A GOOD FORESTED CONDITION DIVIDED BY THE RUNOFF VOLUME FROM THE SITE IN ITS PROPOSED CONDITION, AND SHALL BE EXEMPT FROM ANY FLOW RATE CAPACITY AND VELOCITY REQUIREMENTS FOR NATURAL OR MAN-MADE	NA C
		CHANNELS AS DEFINED IN ANY REGULATIONS PROMULGATED PURSUANT TO § 62.1-44.15:55 OF THE ACT. M. FOR PLANS APPROVED ON AND AFTER JULY 1, 2014, THE FLOW RATE CAPACITY AND VELOCITY REQUIREMENTS OF § 62.1-44.15:52	
		A OF THE ACT AND THIS SUBSECTION SHALL BE SATISFED BY COMPLANCE WITH WATER QUANTITY REQUIREMENTS IN THE STORMWATER MANAGEMENT ACT (§ 62.1-44.15:24 ET SEQ. OF THE CODE OF VIRGINIA) AND ATTENDANT REGULATIONS, UNLESS SUCH LAND-DISTURBING ACTIVITIES ARE IN ACCORDANCE WITH 9YAC25-870-48 OF THE WIGHINA STORMWATER MANAGEMENT PROGRAM	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
		(VSMP) REQUIATIONS. N. COMPLIANCE WITH THE WATER QUANTITY MINIMUM STANDARDS SET OUT IN 9VAC25-870-66 OF THE VIRGINIA STORMWATER MANAGEMENT PROGRAM (VSMP) REQUIATIONS SHALL BE DEEMED TO SATISFY THE REQUIREMENTS OF SUBDIVISION 19 OF THIS	SHEET NUMBER
	1	SUBSECTION.	CE-503