

EROSION AND SEDIMENT CONTROL.

THE EROSION AND SEDIMENT CONTROL PLAN FOR THE PROJECT WAS DEVELOPED TO COMPLY WITH THE CITY OF POQUOSON SEDIMENT CONTROL ORDINANCE AND THE LATEST EDITION OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK (1992). THE BEST AND MOST ECONOMICAL METHOD OF CONTROLLING EROSION AND SEDIMENT IS TO MINIMIZE CLEARING AND SOIL DISTURBANCE.

EROSION AND SEDIMENTATION CONTROL MEASURES

ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CONSTRUCTED AND
MAINTAINED IN ACCORDANCE WITH THE VIRGINIA EROSION AND SEDIMENTATION HANDBOOI
LATEST EDITION.
SEQUENCE OF CONSTRUCTION AFTER PRE—CONSTRUCTION MEETING:
1. INSTALL SILT FENCE.
2. INSTALL SILT FENCE.
3. CLEAR AND GRUB REMAINDER OF CONSTRUCTION AREA.
4. DAILY INSPECTION OF ALL E&S CONTROL MEASURES WILL
BE DONE BY THE OWNER OR HIS REPRESENTATIVE.

PERMITS AND APPROVALS:
THE FOLLOWING PERMITS AND CONSTRUCTION APPROVAL
1)LAND DISTURBANCE FROM POQUOSON
2)EROSION AND SEDIMENT CONTROL FROM POQUOSO
3)VPDES PERMIT FROM VDEQ

MINIMUM STANDARDS FOR EROSION AND SEDIMENT CONTROL

PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DENUDED AREAS WITHIN SEVEN DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. TEMPORARY SOIL STABILIZATION SHALL BE APPLIED WITHIN SEVEN DAYS TO DENUDED AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN DORMANT (UNDISTURBED) FOR LONGER THAN 30 DAYS. PERMANENT STABILIZATION SHALL BE APPLIED TO AREAS THAT ARE TO BE LEFT DORMANT FOR MORE THAN ONE YEAR. DURING CONSTRUCTION OF THE PROJECT, SOIL STOCKPILES 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 SOIL INTENTIONALLY TRANSPORTED FROM THE PROJECT SITE. THE CONTRACTOR SHALL ESTABLISH AND MAINTAIN AN EROSION AND SEDIMENT CONTROL PROGRAM DURING CONSTRUCTION THAT IS CONSISTANT WITH THE FOLLOWING CRITERIA, TECHNIQUES, AND METHODS:

A PERMANENT VEGETATIVE COVER SHALL BE ESTABLISED ON DENUDED AREAS NOT OTHERWISE PERMANENTLY STABILIZED. PERMANENT VEGETATION SHALL NOT BE CONSIDERED ESTABLISHED UNTIL A GROUND COVER IS ACHEIVED THAT, IN THE OPIN OF THE LOCAL PROGRAM ADMINISTRATOR OR HIS DESIGNATED AGENT, IS UNIFORM, MATURE ENOUGH TO SURVIVE AND WILL INHIBIT EROSION.

SEDIMENT BASINS AND TRAPS, PERIMETER DIKES, SEDIMENT BARRIERS AND OTHER MEANINTENDED TO TRAP SEDIMENT SHALL BE CONSTRUCTED AS A FIRST STEP IN ANY LANDDISTURBING ACTIVITY AND SHALL BE MADE FUNCTIONAL BEFORE UPSLOPE LANDDISTURBANCE TAKES PLACE.

STABILIZATION MEASURES SHALL BE APPLIED TO EARTHEN STRUCTURES SUCH AS DAN DIVERSIONS IMMEDIATELY AFTER INSTALLATION.

SURFACE RUNOFF FROM DISTURBED AREAS THAT IS COMPRISED OF FLOW FROM DRAINAGE AREAS GREATER THAN OR EQUAL TO THREE ACRES SHALL BE CONTROLLED BY A SEDIMENT BASIN. THE SEDIMENT BASIN SHALL BE CONSTRUCTED TO ACCOMMODATE THE ANTICIPATED SEDIMENT LOADING FROM THE LAND-DISTURBING ACTIVITY. CUT AND FILL SLOPES SHALL BE DESIGNED AND CONSTRUCTED IN A MANNER THAT WIL MINIMIZE ERCSION. SLOPES THAT ARE FOUND TO BE ERODING EXCESSIVELY WITHIN ONE YEAR OF PERMANENT STABILIZATION SHALL BE PROVIDED WITH ADDITIONAL SLOPE STABILIZING MEASURES UNTIL THE PROBLEM IS CORRECTED.

CONCENTRATED RUNOFF SHALL NOT FLOW DOWN CUT OR FILL SLOPES UNLESS CONTAIN WITHIN AN ADEQUATE TEMPORARY OR PERMANENT CHANNEL, FLUME, OR SLOPE DRAIN STRUCTURE.

ALL STORM SEWER INLETS THAT ARE MADE OPERABLE DURING CONSTRUCTION SHALL BE PROTECTED SO THAT SEDIMENT—LADEN WATER CANNOT ENTER THE CONVEYANCE SYSTEM WITHOUT BEING FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT. WHENEVER WATER SEEPS FROM A SLOPE FACE, ADEQUATE DRAINAGE OR OTHER PROTECTION OF SHALL BE PROVIDED.

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BEFORE NEWLY CONSTRUCTED STORMWATER CONVEYANCE CHANNELS ARE MADE OPERATION ADEQUATE OUTLET PROTECTION AND ANY REQUIRED TEMPORARY OR PERMANENT CHANNEL LINING SHALL. BE INSTALLED IN BOTH THE CONVEYANCE AND RECEIVING CHANNEL. WHEN WORK IN A LIVE WATERCOURSE IS PERFORMED, PRECAUTIONS SHALL BE TAKEN TO MINIMIZE ENCROACHMENT, CONTROL SEDIMENT TRANSPORT AND STABILIZE THE WORK AREA TO THE GREATEST EXTENT POSSIBLE DURING CONSTRUCTION. NONERODIBLE MATERIAL SHALL BE USED FOR THE CONSTRUCTION OF CAUSEWAYS AND COFFERDAMS. EARTHEN FILL MAY BE USED FOR THESE STRUCTURES IF ARMORED BY NONERODIBLE COVER MATERIAL.

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WHEN A LIVE WATERCOURSE MUST BE CROSSED BY CONSTRUCTION VEHICLES MORE THAN TWICE IN ANY SIX—MONTH PERIOD, A TEMPORARY STREAM CROSSING CONSTRUCTED OF NON—ERODIBLE MATERIAL SHALL BE PROVIDED. APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS PERTAINING TO WORKI ISSING LIVE WATERCOURSES SHALL BE MET.

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UNDERGROUND UTILITY LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWIN STANDARDS IN ADDITION TO OTHER APPLICABLE CRITERIA:

a. NO MORE THAN 500 LINEAR FEET OF TRENCH MAY BE OPENED AT ONE TIME.

b. EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF TRENCHES.

c. EFFLUENT FROM DEWATERING OPERATIONS SHALL BE FILTERED OR PASSED THROUGH AN APPROVED SEDIMENT TRAPPING DEVICE, OR BOTH, AND DISCHARGED IN A MANNE THAT DOES NOT ADVERSELY AFFECT FLOWING STREAMS OR OFF—SITE PROPERTY.

d. RESTABILIZATION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE REGULATION.

e. APPLICABLE SAFETY REGULATIONS SHALL BE COMPLIED WITH.

WHERE CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED PUBLIC ROADS, PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT BY VEHICULAR TRACKING ONTO A PAVED SURFACE. WHERE SEDIMENT IS TRANSPORTED ONTO A PUBLIC ROAD SURFACE, THE ROAD SHALL BE CLEANED THOROUGHTLY AT THE END OF EACH DAY. SEDIMENT SHALL BE REMOVED FROM THE ROADS BY SHOVELING OR SWEEPING AND TRANSPORTED TO A SEDIMENT CONTROL DISPOSAL AREA. STREET WASHING SHALL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED IN THIS MANNER.

ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WIT 30 DAYS AFTER FINAL SITE STABILIZATION OR AFTER THE TEMPORARY MEASURES NO LONGER NEEDED, UNLESS OTHERWISE AUTHORIZED BY THE LOCAL PROGRAM ADMINISTRATOR. TRAPPED SEDIMENT AND THE DISTURBED SOIL AREAS SHALL BE PERMANENTLY STABILIZED TO PREVENT FUTHER EROSION AND SEDIMENTATION.

FROM SEDIMENT DEPOSITION, EROSION AND DAMAGE DUE TO INCREASES IN VOLUME, VELOCITY AND PEAK FLOW RATE OF STORMWATER RUNOFF. CONCENTRATED STROM WATER VELOCITY AND PEAK FLOW RATE OF STORMWATER RUNOFF. CONCENTRATED STROM WATER RUNOFF LEAVING DEVELOPMENT SITE SHALL BE DISCHARGED DIRECTLY INTO AN ADEQUATE NATURAL OR MAN—MADE RECEIVING CHANNEL, PIPE OR STORM SEWER SYSTEM, FOR THOSE SITES WHERE RUNOFF IS DISCHARGED INTO A PIPE OR A PIPE SYSTEM, DOWN—STREAM STABILIZATION AT THE OUTFALL OF THE PIPE OR PIPE SYSTEM, BOWN—STREAM STABILIZATION AT THE OUTFALL OF THE PREVIOUSLY CONSTRUCTED MAN—MADE COMEINATION OF CHANNEL IMPROVEMENTS, STORMWATER DETENTION/RETENTION OR OTHER MEASURES WHICH IS SATISFACTORY TO THE PLAN APPROVING AUTHORITY TO PREVENT DOWNSTREAM EROSION. INCREASED VOLUMES OF SHEET FLOWS THAT MAY CAUSE EROSION OR SEDIMENTATION ON ADJACENT PROPERTY SHALL BE DIVERTED TO A STABLE OUTLET, ADEQUATE CHANNEL OR DENTENTION FACILITY. 9

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THE PURPOSE FOR THE EROSION CONTROLL FROM ENTERING ONTO ADJACENT PIEM INADEQUACY OF THE PILAN TO MODIFICATIONS WILL BE MADE TO CALL PROVISIONS OF THE VIRGINIA ETO THIS PROJECT.

ALL POINTS OF CONSTRUCTION INGRESS AND EGRESS SHALL BE PROTECTED BY A TEMPORARY CONSTRUCTION ENTRANCE TO PREVENT TRACKING OF MUD ONTO PUBLIC RIGHT-OF-WAYS.

SEDIMENT BASINS AND TRAPS, PERIMETER DIKES, SEDIMENT BARRIERS AND OTHER MEASURES INTENDED TO TRAP SEDIMENT ON—SITE MUST BE CONSTRUCTED AS A FIRST STEP IN GRADING AND BE MADE FUNCTIONAL BEFORE UPSLOPE LAND DISTURBANCE TAKES PLACE. EARTHEN STRUCTURES SUCH AS DAMS, DIKES, AND DIVERSIONS MUST BE SEEDED AND MULCHED IMMEDIATELY AFTER INSTALLATION. AN ON—SITE PRECONSTRUCTION MEETING WILL BE HELD BETWEEN THE OFFICE OF CODE COMPLIANCE ANITHE CONTRACTOR TO IDENTIFY THOSE MEASURES TO BE INITIALLY INSTALLED.

AND SEDIMENT CONTROL MEASURES SHALL INCLUDE THE REP ANY SUBCONTRACTOR INCLUDING THOSE OF THE PUBLIC PRE—CONSTRUCTION MEETING, THE CONTRACTOR WILL SUPPI NAME OF THE INDIVIDUAL WHO WILL BE RESPONSIBLE FOR INSTALLED MEASURES ON A DAILY BASIS.

SURFACE FLOWS OVER CUT AND FILL SLOPES SHALL BE CONTROLLED BY EITHER FLOWS FOR TRANSVERSING THE SLOPES OR BY INSTALLING MECHANICAL DEVICES TO SAFELY LOWER WATER DOWN-SLOPE WITHOUT CAUSING EROSION. A TEMPORARY FILL DIVERSION (STD. & SPEC. 3.10) SHALL BE INSTALLED PRIOR TO THE END OF EACH WORKING DAY.

SEDIMENT CONTROL MEASURES MAY REQUIRE MINOR FIELD ADJUSTMENTS AT TIME OF CONSTRUCTION TO INSURE THEIR INTENDED PURPOSE IS ACCOMPLISHED. OFFICE OF CODE COMPLIANCE APPROVAL WILL BE REQUIRED FOR OTHER DEVIATIONS FROM APPROVED PLANS THE CONTRACTOR SHALL PLACE SOIL STOCKPILES AT LOCATIONS SHOWN ON THIS PLAN OR AS DIRECTED BY THE ENGINEER. SOIL STOCKPILES SHALL BE STABILIZED OR PROTECTED WITH SEDIMENT TRAPPING MEASURES.

THE CONTRACTOR SHALL COMPLETE DRAINAGE FACILITIES WITHIN 30 DAYS FOLLOWING COMPLETION OF ROUGH GRADING AT ANY POINT WITHIN THE PROJECT. THE INSTALLATION OF DRAINAGE FACILITIES SHALL TAKE PRECEDENCE OVER ALL UNDERGROUND UTILITIES. OUTFALL DITCHES FROM DRAINAGE STRUCTURES SHALL BE STABILIZED IMMEDIATELY AFTER CONSTRUCTION OF THE SAME. THIS INCLUDES INSTALLATION OF EROSION CONTROL STONE WHERE REQUIRED. ANY DRAINAGE OUTFALLS REQUIRED FOR A STREET MUST BE COMPLETED BEFORE STREET GRADING BEGINS.

PERMANENT OR TEMPORARY SOIL STABILIZATION MUST BE APPLIED TO ALL DENUDAREAS WITHIN 7 DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. SOIL STABILIZATION MUST ALSO BE APPLIED TO DENUDED AREAS WHICH MAY NOT BE A FINAL GRADE BUT WILL REMAIN DORMANT (UNDISTURBED) FOR LONGER THAN 30 DAYS. SOIL STABILIZATION MEASURES INCLUDE VEGETATIVE ESTABILISHMENT, MULCHING AND THE EARLY APPLICATION OF GRAVEL BASE MATERIAL ON AREAS TO BE PAVED.

NO MORE THAN 300 FEET OF SANITARY SEWER, STORM SEWER, WATERLINES, OF UNDERGROUND UTILITY LINES ARE TO BE OPEN AT ONE TIME. FOLLOWING INSTALLATION OF ANY PORTION OF THESE ITEMS, ALL DISTURBED AREAS ARE THE IMMEDIATELY STABILIZED (1.e. THE SAME DAY). IF DISTURBED AREA STABILIZATION IS TO BE ACCOMPLISHED DURING THE MONT OF DECEMBER, JANUARY, OR FEBRUARY, STABILIZATION SHALL CONSIST OF MULCHING IN ACCORDANCE WITH SPECIFICATION 3.35. SEEDING WILL THEN TAKE PLACE AS SOON AS THE SEASON PERMITS.

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THE TERM SEEDING, FINIAL VEGETATIVE COVER OR STABILIZATION ON THIS PLAN SHALL MEAN THE SUCCIESSFUL GERMINATION AND ESTABLISHMENT OF A STABLE GRASS COVER FROM A PROPERTY PREPARED SEEDBED CONTAINING THE SPECIFIL AMOUNTS OF SEED, LIMIE, AND FERTILIZER IN ACCORDANCE WITH SPECIFICATION 3.32, PERMANENT SEEDIING. IRRIGATION SHALL BE REQUIRED AS NECESSARY TO ENSURE ESTABLISHMENT OF GRASS COVER.

ALL SLOPES STEEPER THAN 3:1 SHALL REQUIRE THE USE OF EROSION CONTROL BLANKETS SUCH AS EXICEISIOR BLANKETS TO AID IN THE ESTABLISHMENT OF A VEGETATIVE COVER, INSTALLATION SHALL BE IN ACCORDANCE WITH SPECIFICATION 3:35. MULCHING AND MANUFACTURER'S INSTRUCTIONS. INLET PROTECTION IN ALCCORDANCE WITH SPECIFICATION 3.07 SHALL BE PROVIDE FOR ALL STORM DRAINAGE INLETS AS SOON AS PRACTICAL FOLLOWING CONSTRUCTION OF THE SAME.

TEMPORARY LINERS, SUICH AS POLYETHYLENE SHEETS, SHALL BE PROVIDED FOR ALL PAVED DITCHES UNTIL THE PERMANENT CONCRETE LINER IS INSTALLED.

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TEMPORARY EROSION CONTROL MEASURES ARE NOT TO BE REMOVED UNTIL ALL DISTURBED AREAS ARE STABILIZED. AFTER STABILIZATION IS COMPLETE, ALL MEASURES SHALL BE REMOVED WITHIN 30 DAYS. TRAPPED SEDIMENT SHALL BE SPREAD AND SEEDED. CONSTRUCTION AND LAINDSCAPING ACTIVITIES SHALL NOT INTERFERE WITH OR RESTRICT FLOWS IN DRAINAGE EASEMENTS SWALE & DITCH INVERT ELEVATIONS SHALL BE MAINTAINED.

ON IS LOCATED IN ZONE AE (EL=9') AS SHOWN ON FL

P.O. BOX 1018

**OQUOSON VIRGINIA, 23662

**RE DIGGING CALL " MISS UTILITY"

E ARE NO IMPROVEMENTS ON THIS PROPERTY.

OF CLEARING AND GRADING AS SHOWN ON PLAN.**

AREA OF DISTURBANCE = 3.25± ACRES (141,570 S.F.)

ARE NO HERITAGE, MEMORIAL, OR SPECIMEN TREES LOCATED.**

PROJECT DESCRIPTION

THE PURPOSE OF THIS PROJECT IS TO CLEAR 3.25± ACRES OF AN EXISTING 18.3± ACRE PARCEL. THE AREA PROPERTY IS LOCATED ON THE SOUTH SIDE OF BROWN'S NECK ROAD APPROXIMATELY 450±' SOUTH OF IT'S INTERSECTION WITH MINGEE STREET.

THE AREA PROPOSED TO BE CLEARED IS SPARCESLY VEGETATED WITH GOOD NATURAL DRAINAGE. ADEQUATE PRECAUTIONS WILL BE TAKEN TO MINIMIZE EROSION AND SEDIMENT CON

EROSION ANID SEDIMENT CONTROL MEASURES
UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES
SHALL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS OF THE VEX

STRUCTUAL PRACTICES

1. SILT FENCE (SF) - 3.38

SF WILL BE INSTALLED DOWNSLOPE OF AREAS WITH LOW EROSION HAZARD TO FILTER SEDIMENT—LADEN RUNOFF FROM SHEET FLOW AS SHOWN ON THE PLANS.

2. TREE PROTECTION (TP) - 3.38

TP WILL BE PLACED AROUND THE TREES AND VEGETATED AREAS THAT ARE NOT TO BE THIS WILL PROVIDE PROTECTION FROM CONSTRUCTION EQUIPMENT AND SOIL COMPACTION.

3. TEMPORARY CONSTRUCTION ENTRANCE (JE) - 3.02

A CE WILL BE INSTALLED ADJACENT TO EXISTING CRAVEL DRIVE AT THE SOUTH WESTERL

VEGATATIVE PRACTICES

1. TEMPORARY SEEDING (TS) — 3.31

ALL DENUDED AREAS WHICH WILL BE LEFT DORMANT FOR LONGER THAN 30 DAYS SHALL BE SEEDED WITH FAST GERMINATING DEPEND ON THE TIME OF YEEZENOW WITHIN SEVEN (7) DAYS FOLLOWING CLEARING OPERATIONS. SELECTION OF THE SEED MIXTURE WILL DEPEND ON THE TIME OF YEAR IT IS APPLIED.

2. PERMANENT SEEDING (PS) — 4.32

PS SHALL BE APPLIED TO ALL DENUDED AREAS THAT WILL BE LEFT DORMANT FOR MORE THAN 1 YEAR.

MANAGEMENT STRATEGIES

1. CONSTRUCTION WILL BE SEQUENCED SO THAT CLEARING OPERATIONS CAN BEGIN AND END AS QUICKLY AS POSSIBLE.

2. SEDIMANT TRAPPING MESUJRES WILL BE INSTALLED AS A FIRST STEP IN GRADING AND WILL BE SEEDED AND MULCHED IMMEDIATELY FOLLOWING INSTALLATION.

3. TEMPORATY SECDING OR OTHER STABILIZATION WILL BE CLEARLY MARKED BY FLAGS, SILT FENCE, AND TREE PROTECTION.

4. AREAS WHICH ARE NOT TO BE DISTURBED WILL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL PRACTICES.

6. AFTER ACHIEVING ADEQUATE STABILIZATION, THE TEMPORARY EROSION AND SEDIMENT CONTROLS WILL BE CLEANED UP AND REMOVED.

MAINTENANCE
IN GENERAL, ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE. CHECKED DAILY AND AFTER EACH SIGNI
THE FOLLOWING ITEMS WILL BE CHECKED IN PATICULAR:

1. THE SILT IFENCE BARRIER WILL BE CHECKED REGULARLY FOR UNDERMINING OR DETERIORATION OF THE FABRI
AND REPLIACED AS NECESSARY.

2. THE SEEDIED AREAS WILL BE CHECKED REGULARLY TO ENSURE THAT A GOOD STAND IS MAINTAINED.
AREAS SHALL BE FERTILIZED AND RESEEDED AS NEEDED.

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