

EROSION AND SEDIMENTATION NOTES:

1. CONTRACTOR SHALL FOLLOW BEST MANAGEMENT PRACTICES OF THE KENNEBEC COUNTY SOIL CONSERVATION SERVICE AND THE MAINE DEP BEST

GENERAL EROSION AND SEDIMENTATION CONTROL PRACTICES:

EROSION/SEDIMENT CONTROL DEVICES:

THE FOLLOWING EROSION SEDIMENTATION CONTROL DEVICES ARE PROPOSED FOR CONSTRUCTION ON THIS PROJECT, INSTALL THESE DEVICES AS INDICATED ON THE PLANS.

- 1. <u>SULT FENCE</u>: SULT FENCE WILL BE INSTALLED ALONG THE DOWN GRADING EDGES OF DISTURBED AREAS TO TRAP RUNOFF BORNE SEDIMENTS UNTIL TH INTEGRITY OF THE SILT FENCE AND TO PROVIDE ADDITIONAL TREATMENT
- 2. SIONE CHECK DAMS: STONE CHECK DAMS ARE TO BE PLACED IN LOW FLOW DRAINAGE SWALES AND PATHS TO TRAP SEDIMENTS AND REDUCE RUNOFF VELOCITIES. DO NOT PLACE STONE CHECK DAMS IN FLOWING WATER OR STREAMS.
- 3. RIPRAP; PROVIDE RIPRAP IN AREAS WHERE CULVERTS DISCHARGE OR AS SHOWN ON THE PLANS.
- 4. LOAM, SEED, & MULCH: ALL DISTURBED AREAS, WHICH ARE NOT OTHERWISE TREATED, SHALL RECEIVE PERWANENT SEEDING AND MULCH TO STABILIZE THE DISTURBED AREAS. THE DISTURBED AREAS MIL BE REVEGETATED WITHIN 5 DAYS OF FINAL GRADING. SEEDING REQUIREMENTS ARE PROVIDED ARE THE END OF THIS SPECIFICATION.
- 5. STRAW AND HAY MULCH: USED TO COVER DENUDED AREA UNTIL PERMANENT SEED OR FROSION CONTROL MEASURES ARE IN PLACE MULCH BY ITSELF ON SLOPES LESS THAN 15% IN SUMMER AND 8% IN WINTER. JUTE MESH IS TO BE USED OVER MULCH ONLY, CURLEX II AND EXCELSION CAN BE USED ON SLOPES LESS THAN 15% IN SUMMER MAY BE USED IN PLACE OF JUTE MESH OVER MULCH.
- 6. <u>MULCH NETTING:</u> SHALL BE USED TO ANCHOR MULCH IN ALL DRAINAGE WAYS WITH A SLOPE GREATER THAN 3% FOR SLOPES EXPOSED TO DIRECT WINDS AND FOR ALL OTHER SLOPES GREATER THAN 8%

TEMPORARY EROSION/SEDIMENTATION CONTROL MEASURES:

PROVIDE THE FOLLOWING TEMPORARY EROSION/SEDIMENTATION CONTROL MEASURES DURING CONSTRUCTION OF THE DEVELOPMEN

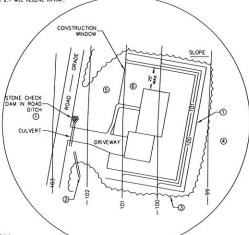
- 1. SILTATION FENCE ALONG THE DOWN GRADIENT SIDE OF THE PARKING AREAS AND OF ALL FILL SECTIONS. THE SILTATION FENCE WILL REMAIN IN PLACE UNTIL THE SITE IS 85% REVECETATED.
- 2. HAY BALES PLACED AT KEY LOCATIONS TO SUPPLEMENT THE SILT FENCE.
- 3. PROTECT TEMPORARY STOCKPILES OF STUMPS, GRUBBINGS, OR COMMON EXCAVATION AS FOLLOWS
- (A) SOIL STOCKPILE SIDE SLOPES SHALL NOT EXCEED 2:1.
- (B) AVOID PLACING TEMPORARY STOCKPILES IN AREA WITH SLOPES OVER 10 PERCENT, OR NEAR DRAINAGE SWALES. SEE ITEM 3 IN CONSTRUCTION PHASE NOTES BELOW.
- (C) THE CONTRACTOR MUST STABILIZE SOIL AND FILL STOCKPILES WITHIN 7 DAYS PRIOR TO ANY RAINFALL.
- (D) SURROUND STOCKPILE SOIL WITH SILTATION FENCE AT BASE OF PILE.
- 4. ALL DENUDED AREA WHICH HAVE BEEN ROUGH GRADED AND ARE NOTE LOCATED WITHIN THE BUILDING PAD. OR PARKING AND DRIVEWAY SUBBASE * ALL DEVOUCE AREA WITCH AND RESERVE ADOMESTICATION AND ARE NOT LOCATED WHITE BUILDING FAU, OF PARKING AND INSTALLATION AREA SHALL RECEIVE WITCH WHITHIN 7 DAYS OF HINTEL DISTRIBUTION OF A MAY AREA OR WHITHIN 7 DAYS ATTER COMPLETING THE ROUGH GRADING OPERATIONS IN ANY AREA, OR PRIOR TO AREA TRAINFALL IN THE EVENT THE CONTRACTOR COMPLETES FINAL GRADING AND INSTALLATION OF LOAM AND SOD WITHIN THE TIME PRIORS PRESENTED ABOVE, INSTALLATION OF MUCH AND INSTALLATION, WHERE APPLICABLE, IS NOT ROUGHLY AND INSTALLATION OF MUCH AND INSTALLATION, WHERE APPLICABLE, IS NOT ROUGHLY AND INSTALLATION OF MUCH AND INSTALLATION, WHERE APPLICABLE, IS NOT ROUGHLY AND INSTALLATION OF MUCH AND INSTALLATION, WHERE APPLICABLE, IS NOT ROUGHLY AND INSTALLATION OF MUCH AND INSTALLATION OF
- 5. IF WORK IS CONDUCTED BETMEEN OCTOBER 15 AND APRIL 15, ALL DENUDED AREAS ARE TO BE COVERED WITH HAY MULCH, APPLIED AT TWICE TH NORMAL APPLICATION RATE, AND ANCHORED WITH FABRIC NETTING. THE PERIOD BETWEEN FINAL GRADING AND MULCHING SHALL BE REDUCED TO A DAY MAXIMUM FOR WORK COMPLETED BETWEEN COTOBER 15TH AND APPIL 15TH.
- 6. TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED ONCE THE SITE HAS BEEN STABILIZED OR IN AREAS WHERE PERMANENT EROSION

PERMANENT EROSION CONTROL MEASURES:

THE FOLLOWING PERMANENT CONTROL MEASURES ARE REQUIRED BY THIS EROSION / SEDIMENTATION CONTROL PLAN:

ALL AREAS DISTURBED DURING CONSTRUCTION, BUT NOT SUBJECT TO OTHER RESTORATION (PAYING, RIPRAP, ETC.), WILL BE LOAMED, UMED FERTILIZED AND SEEDED. NATIVE TOPSOL SHALL BE STOCKPILED AND REUSED FOR FINAL RESTORATION WHEN IT IS OF SUFFICIENT QUALITY.

2. SLOPES GREATER THAN 2:1 WILL RECEIVE RIPRAP.



INSTALLATION:

- 1. INSTALL SEDIMENT BARRIERS ON YOUR SITE BEFORE DISTURBING SOILS. SEE THE "SEDIMENT BARRIERS" MEASURE FOR DETAILS ON INSTALLATION AND MAINTENANCE
- 2 CONSTRUCT A DIVERSION DITCH TO KEEP UPSLOPE RUNOFF OUT OF WORK AREA
- 3. MARK CLEARING LIMITS ON THE SITE TO KEEP EQUIPMENT OUT OF AREAS WITH STEEP SLOPES, CHANNELIZED FLOW, OR ADJACENT SURFACE WATERS
- 4. PRESERVE BUFFERS BETWEEN THE WORK AREA AND ANY DOWNSTREAM SURFACE WATERS AND WETLANDS. SEE THE "BUFFERS" MEASURE FOR BUFFER PRESERVATION.
- 5. USE TEMPORARY MULCH AND RYE-SEED TO PROTECT DISTURBED SOIL OUTSIDE THE ACTIVE CONSTRUCTION AREA. SEE THE "MULCHING" MEASURE AND "VEGETATION" MEASURE FOR DETAILS AND SPECIFICATIONS FOR THESE CONTROLS.
- 6. PERMANENTLY SEED AREAS NOT TO BE PAYED WITHIN SEVEN DAYS OF COMPLETING FINAL GRADING. SEE "VEGETATION" MEASURE FOR INFORMATION ON PROPER SEEDING.

MAINTENANCE:

EVERY MONTH THE FIRST YEAR AFTER CONSTRUCTION AND YEARLY THEREAFTER, INSPECT FOR AREAS SHOWING EROSION OR POOR VEGETATION GROWTH. FIX THESE PROBLEMS AS SOON AS POSSIBLE. EACH SPRING REMOVE ANY ACCUMULATION OF DEBRIS OR WINTER SAND THAT WOULD IMPEDE RUNOFF FROM ENTERING A BUFFER OR DITC

HOUSE SITE - BEST MANAGEMENT PRACTICES

NOT TO SCALE

CONSTRUCTION PHASE:

THE FOLLOWING PRACTICES WILL BE USED TO PREVENT EROSION DURING CONSTRUCTION OF THIS PROJECT.

- 1. ONLY THOSE AREAS UNDER ACTIVE CONSTRUCTION WILL BE CLEARED AND LEFT IN AN UNTREATED OR UNVEGETATED CONDITION. IF FINAL GRADING, LOAMING AND SEEDING WILL NOT OCCUR WITHIN 7 DAYS, SEE ITEM NO. 4.
- 2. PRIOR TO THE START OF CONSTRUCTION IN A SPECIFIC ARE, SILT FENCING AND/OR HAY BALES WILL BE INSTALLED AT THE TOE OF SLOPE AND IN AREAS AS LOCATED ON THE PLANS T PROTECT AGAINST ANY CONSTRUCTION RELATED EROSION. IMMEDIATELY FOLLOW CONSTRUCTION OF CULVERTS AND SMALES, RP RAP APRONS SHALL BE INSTALLED, AS SHOWN ON THE PLANS.
- 3. TOPSOIL WILL BE STOCKPILED WHEN NECESSARY IN AREAS WHICH HAVE MINIMUM POTENTIAL FOR EROSION AND WILL BE KEPT AS FAR AS POSSBLE FROM THE EXISTING DRAINAGE COURSE. NO STOCKPILE SHALL BE CLOSER THEN 100 FOR A RESOURCE INCLUDING, BUT NOT LIMITED TO, WETLANDS, STREAMS, AND OPEN WATER BODIES. ALL STOCKPILES SHALL HAVE A SILTATION FENCE BELOW THEM RECARDLESS. OF TIME OF PRESENCE, ALL STOCKPILES EXPECTED TO REMAIN LONGER THAN 15 DAYS SHALL BE:
- (A) ALL STOCKPUES ANTICIPATED TO REMAIN IN PLACE FOR LESS THAN 30 DAYS SHALL BE TREATED WITH ANCHORED MUCH (WITHIN 5 DAYS OF THE LAST DEPOSIT OF STOCKPILED SOIL), OR PRIOR TO ANY RAINFALL OR COVERED WITH AND ANCHORED MUCH (WITHIN 5 DAYS OR PRIOR TO ANY RAINFALL.
- (B) ALL STOCKPILES ANTICIPATED TO REMAIN IN PLACE LONGER THAN 30 DAYS SHALL BE SEEDED WITH CONSERVATION MIX OF ANNUAL RYE GRASS (0.9 LB/1,000 SQ. FT.) AND MULCHED WITHIN 7 DAYS OR PRIOR TO ANY RAINFALL OR COVERED WITH AN ANCHORED TARP WITHIN 7 DAYS OR PRIOR TO ANY RAINFALL
- (C) INSTALL SILT FENCE AROUND STOCKPILE AT BASE OF PILE, STOCKPILES TO HAVE SILT FENCE INSTALLED AT TIME ESTABLISHMENT AT
- (A) DISTURBED AREAS ANTICIPATED REMAINING UNDISTURBED FOR LESS THAN 30 DAYS UNTIL PERMANENTLY STABILIZED SHALL BE TREATED WITH ANCHORED MULCH WITHIN 7 DAYS OR PRIOR TO ANY RAINFALL.
- TREATED SEEDED WITH CONSERVATION MIX OF ANNUAL RYE GRASS (0.9 LBS/1,000 SQ. FT.) AND MULCHED AT A RATE OF 150 LB. PER 1000 S.F. WITHIN 7 DAYS OR PRIOR TO ANY RAINFALL.
- 5. ALL GRADING WILL BE HELD TO A MAXIMUM 2.1 SLOPE WHERE PRACTICAL. ALL SLOPES WILL BE STABILIZED WITH PERMANENT SEEDING, OR WITH STONE, WITHIN 5 DAYS AFTER FINAL GRADING IS COMPLETE. (SEE POST-CONSTRUCTION PERCENTATION FOR SEEDING SPECIFICATION.)
 ALL SLOPES HAVING A GRADE GREATER THAN BIX WILL BE STABILIZED WITH RIP RAP OR PERMANENT SEEDING WITHIN 5 DAYS OF COMPLETING THE SLOPES FINAL GRADING.
- 6. THE CONTRACTOR SHALL WITHIN 24 HOURS OF PLACING A CULVERT PLACE STONE RIP RAP, APRON OR PLUNGE POOL, AT THE CULVERTS DUTLET. ALL CULVERTS WILL BE PROTECTED WITH STONE RIP RAP (D50 = 6" UNLESS OTHERWISE SPECIFIED) AT INLETS AND OUTLETS
- 7. ANY DITCH SECTION BROUGHT TO FINAL GRADE WILL BE STABILIZED WITH RIP RAP LINED OR PROPERLY INSTALLED EROSION CONTROL

POST-CONSTRUCTION REVEGETATION:

THE FOLLOWING GENERAL PRACTICES WILL BE USED TO PREVENT EROSION AS SOON AS AN AREA IS READY TO UNDERGO FINAL GRADING.

- A MINIMUM OF 4° OF LOAM WILL BE SPREAD OVER DISTURBED AREAS AND GRADED TO A UNIFORM DEPTH AND NATURAL APPEARANCE, OR STONE WILL BE PLACED ON SLOPES TO STABILIZE SURFACES.
- 2. IF FINAL GRADING IS REACHED DURING THE NORMAL GROWING SEASON (4/15 TO 9/15), PERMANENT SEEDING WILL BE DONE AS SPECIFIED BELOW, PROR TO SEEDING, LIMESTONE SHALL BE APPLIED AT A NATE OF 138 LBS/1,000 50. FT AND 10:20:20 FERTILIZER AT A NATE OF 184 LBS/1,000 50. FT HULL BE APPLIED. BROADCAST SEEDING AT THE FOLLOWING RATES:

KENTUCKY BLUEGRASS 0.46 LBS/1,000 S.F. PERENNIAL RYE GRASS 0.11 LBS/1,000 S.F.

TALL FESCUE 0.46 LBS/1,000 S.F.

- 3. AN AREA SHALL BE MULCHED IMMEDIATELY AFTER IS HAS BEEN SEEDED, MULCHING SHALL CONSST OF HAY MULCH, HYDRO-MULCH, JUTE NET OVER MULCH, PRE-MANUFACTURED EROSION MATS OR ANY SUITABLE SUBSTITUTE DEEMED ACCEPTABLE BY THE DESIGNER.
- (A) HAY MULCH SHALL BE APPLIED AT THE RATE OF 2 TONS PER ACRE. HAY MULCH SHALL BE SECURED BY EITHER: (NOTE: SOIL SHALL
- 2. BLANKETED BY TACKED PHOTODEGRADABLE/BIODEGRADABLE NETTING, OR WITH SPRAY, ON GRADES GREATER THAN 5%
- B. HYDRO-MULCH SHALL CONSIST OF A MIXTURE OF EITHER ASPHALT, WOOD FIBER OR PAPER FIBER AND WATER SPRAYED OVER A SEEDED AREA. HYDRO-MULCH SHALL NOT BE USED BETWEEN 9/15 AND 4/15.
- 4. CONSTRUCTION SHALL BE PLANNED TO ELIMINATE THE NEED FOR SEEDING BETWEEN SEPTEMBER 15 AND APRIL 15. SHOULD SEEDING BE NECESSARY BETWEEN SEPTEMBER 15 AND APRIL 15 THE FOLLOWING PROCEDURE SHALL BE FOLLOWED. ALSO REFER TO NOTE 9 OF WINTER
- (A) ONLY UNFROZEN LOAM SHALL BE USED
- (B) LOAWING, SEEDING AND MULCHING WILL NOT BE DONE OVER SNOW OR ICE COVER. IF SNOW EXISTS, IT MUST BE REMOVED PRIOR TO PLACEMENT OF SEED.
- (C) WHERE PERMANENT SEEDING IS NECESSARY, ANNUAL WINTER RYE (1.2 LBS/1,000 SQ. FT.) SHALL BE ADDED TO THE PREVIOUSLY NOTED
- (D) WHERE TEMPORARY SEEDING IS REQUIRED, ANNUAL WINTER RYE (2.6 LBS/1,000 SQ.FT.) SHALL BE SOWN INSTEAD OF THE PREMOUSLY
- (E) FERTILIZING, SEEDING AND MULCHING SHALL BE APPLIED TO LOAM THE DAY THE LOAM IS SPREAD BY MACHINERY
- (F) ALTERNATIVE HAY MULCH SHALL BE SECURED WITH PHOTODEGRADABLE/BIODEGRADABLE NETTING. TRACKING BY MACHINERY ALONE
- 5. FOLLOWING FINAL SEEDING, THE SITE WILL BE INSPECTED EVERY 30 DAYS UNTIL 85% COVER HAS BEEN ESTABLISHED. THE CONTRACTOR WILL CARRY OUT RESEEDING WITHIN 10 DAYS OF NOTIFICATION BY THE ENGINEER THAT THE EXISTING CATCH IS INADEQUATE.

MONITORING SCHEDULE:

THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING, MONITORING, MAINTAINING, REPAIRING, REPLACING AND REMOVING ALL OF THE EROSION AND SEDIMENTATION

- 1. HAY BALE BARRIERS, SILT FENCE, AND STONE CHECK DAMS SHALL BE INSPECTED AND REPAIRED ONCE A WEEK OR IMMEDIATELY FOLLOWING ANY SIGNIFICANT RAINFALL. SEDIMENT TRAPPED BEHIND THESE BARRIERS SHALL BE EXCAYATED WHEN IT REACHES A DEPTH OF 6" AND REDISTRIBUTED TO AREA UNDERGOING FINAL GRADING. SHOULD THE HAY BALE BARRIERS PROVE TO BE INEFFECTIVE, THE CONTRACTOR SHALL INSTALL SILT FENCE BEHIND THE HAY BALES.
- 2. VISUALLY INSPECT RIP RAP ONCE A WEEK OR AFTER EACH SIGNIFICANT RAINFALL AND REPAIR AS NEEDED, REMOVE SEDIMENT TRAPPED BEHIND THESE DEVICES ONCE IT ATTAINS A DEPTH EQUAL TO 1/2 THE HEIGHT OF THE DAM OR RISER. DISTRIBUTE REMOVED SEDIMENT OFF-SITE OR TO AN AREA UNDERGOING FINAL GRADING.
- 3. REVECTATION OF DISTURBED AREAS WITHIN 25' OF DRINNAGE-COURSE/STREAM WILL BE SEEDED WITH THE "MEADOW AREA MIX" AND INSPICTED ON A WEERLY BASS OR ATTER EACH SCHIPCANT RAINFALL AND RESCEED AS NEEDED. EMPORS AREAS WILL BE RESCEED AS NEEDED AND AREA WILL BE RESCEED AS NEEDED WITH THE AREA HAS OBTAINED 100X GROWTH RATE. PROVIDE PERMANENT RAP RAP FOR SLOPES IN EXCESS OF 31 AND

EROSION CONTROL DURING WINTER CONSTRUCTION:

- 1. WINTER CONSTRUCTION PRIOR: NOVEMBER 1 THROUGH APRIL 15.
- 2 WINTER EXCAVATION AND EARTHWORK SHALL BE COMPLETED SUCH THAT NO MORE THAN 1 ACRE OF THE SITE IS WITHOUT STABILIZATION AT
- 3. EXPOSED AREA SHALL BE LIMITED TO THOSE AREAS TO BE MULCHED IN ONE DAY PRIOR TO ANY SNOW EVENT. ATE END OF EACH WORK NO AREAS MAY BE LEFT UNSTABILIZED OVER THE WEEKEND.
- 4. CONTINUATION OF EARTHWORK OPERATIONS ON ADDITIONAL AREAS SHALL NOT BEGIN UNTIL THE EXPOSED SOIL SURFACE ON THE AREA BEING WORKED HAS BEEN STABILIZED, SUCH TAT NO LARGER AREA OF THE SITE IS WITHOUT EROSION CONTROL PROTECTION AS LISTED IN 1TEW 2
- 5. AN AREA SHALL BE CONSIDERED TO HAVE BEEN STABILIZED WHEN EXPOSED SURFACES HAVE BEEN EITHER MULCHED WITH STRAW OR HAY AT A RATE OF 130. BE CONSIDERED IN ANY ESSEN STANDARD SHARKES THE RESERVENCE BEEK EITHER MEDICALE WITH STANDARD SHARKES AND ANCHORED SUCH WITH STANDARD SHARKES SHARKES AND ANCHORED SUCH SHARKES SHARKES
- 6. BETWEEN THE DAITS OF OCTOBER 15 AND APRIL 1, LOAM OR SEED WILL NOT BE REQUIRED. DURING PERIODS OF ABOVE FREEZING TEMPERATURES THE SLOPES SHALL BE FINE GRADED AND EITHER PROTECTED WITH UNLICH OR TEMPORABILY SEEDED AND MULCHED UNTIL SUCH TIME AS THE FINAL TERRADMENT CAN BE APPLIED. IF THE DAIT IS A THE NOVEMBER I AND IN IT HE EXPOSED HEAR HAS BEEN LOAMED, FINAL CRADED WITH A UNIFORM SURFACE, THEN THE AREA MAY BE DORMANT SEEDED AT A RATE OF 3 TIMES HIGHER THAN SPECIFIED FOR PERMANENT SEED AND THEN MULCHED. IF CONSTRUCTION CONTINUES DURING PREEZING MUTCHER, ALL EXPOSED ASS SHALL BE CONTINUOUSLY GRADED BEFORE FREEZING AND THE SURFACE TEMPORABILY PROTECTED FROM REOSON BY THE APPLICATION OF WILCH. SLOPES SHALL BE ADDITED INTESS TREATED IN THE ABOVE MANNER. UNTIL SUCH TIME SETHER CONDITIONS ALLOW, DITCHES TO BE FINASHED WITH THE PERMANENT SURFACE TREATMENT. ABOVE WANNER. UNIT SUCH THE AS EINER CONDITIONS ALLOW, DITCHES TO BE FINISHED WITH THE PERMANENT SUBFACE INSIDE THE RESORDS STALL SUCH CALLED FOR THE RESORDS STALL STATEMENT OF THE PERMANENT SUBFACE INSIDE THE RESORD STALL STATEMENT OF THE RESORD STALL STATEMENT OF THE RESORD STATEMENT OF THE
- 8 MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL DRAINAGE WAYS WITH SLOPES GREATER THAN 15% AFTER OCTOBER 1 THE SAME APPLIES FOR ALL SLOPES GREATER THAN 8%
- 9. WINTER RYE IS RECOMMENDED FOR STABILIZATION UNTIL OCTOBER 1ST. AFTER OCTOBER 1, WINTER RYE IS NOT EFFECTIVE AROUND NOVEMBER 15 OR LATER, ONCE TEMPERATURES OF THE AIR AND SOL PERMIT, DORMANT SEEDING IS EFFECTIVE.
- 10. IN THE EVENT OF SNOWFALL (FRESH OR CUMULATIVE) GREATER THAN 1 INCH DURING WINTER CONSTRUCTION PERIOD ALL SNOW SHALL BE

GUIDELINES FOR STABILIZING SITES FOR THE WINTER:

- 1. STANDARD FOR THE TIMELY STABILIZATION OF DITCHES AND CHANNELS. THE CONTRACTOR WILL CONSTRUCT AND STABILIZE ALL STONE-LINED DITCHES AND CHANNELS ON THE SITE BY NOVEMBER 15TH. THE CONTRACTOR WILL CONSTRUCTION AND STABILIZE ALL GRASS-LINED DITCHES AND CHANNELS ON THE SITE BY SEPTEMBER 1ST. IF HE CONTRACTOR FALS TO STABILIZE A DITCH OR CHANNEL TO BE CRASS-LINED BY SEPTEMBER 1ST. THEN THE CONTRACTOR WILL THE OWNER THE CONTRACTOR WILL THEN THE CONTRACTOR WILL THEN THE OWNER THEN THE STABILIZE AND WITHOUT THE OWNER THEN THE OWNER THE OWNER THE OWNER THEN THE OWNER THE O
- (A) INSTALL A SOO LINING IN THE DITCH: THE CONTRACTOR WILL LINE THE DITCH WITH PROPERLY INSTALLED SOO BY OCTOBER 1ST, PROPER INSTALLATION INCLUDES THE CONTRACTOR PINNING THE SOO DON'TO THE SOIL WITH WIRE PINS, ROLLING THE SOO TO GUARANTEE CONTACT BETWEEN THE SOO AND UNDERLYING SOIL, WATERING THE SOOT OF PROMOTE ROOT GROWTH INTO THE DISTURBED SOIL, AND ANCHORING SO AT THE BASE OF THE DITCH WITH JUTE OR PLASTIC MESH TO PREVENT THE SOOF FROM SCOUGHING DURING FLOW CONDITIONS.
- (B) INSTALL A STONE LINING IN THE DITCH: THE CONTRACTOR WILL LINE THE DITCH WITH STONE RIP RAP BY NOVEMBER 15TH. THE DEVELOPMENT'S OWNER WILL HIRE A REGISTERED PROFESSIONAL ENGINEER TO DETERMINE THE STONE SIZE AND LINE THICKNESS NEEDED TO WITHSTAND THE ANTICIPATED FLOW VELOCITIES AND FLOW DEPTHS WITHIN THE DITCH. IF NECESSARY, THE CONTRACTOR WILL REGRADE THE DITCH PRIOR TO PLACING THE STONE LINING SO AS TO PREVENT THE STONE LINING FORM REDUCING THE DITCH'S CROSS-SECTIONAL AREA
- 2. STANDARD FOR THE TIMELY STABILIZATION OF DISTURBED SLOPES: THE CONTRACTOR WILL CONSTRUCT AND STABILIZE STONE COVERED SLOPES BY HOVEWBER IS THE CONTRACTOR WILL SEED AND MULCH ALL SLOPES TO BE VEGETATED BY SEPTEMBER I. THE DEPARTMENT MILL CONSIDER ANY AREA HANNER O GRADE CREATER THAN 15% TO BE A SLOPE. IF THE CONTRACTOR FAILS TO STABILIZE MAY SLOPE TO BE VECETATED BY SEPTEMBER IS, THEY THE CONTRACTOR WILL TAKE ONC OF THE FOLLOWING ACTIONS TO STABILIZE THE SLOPE FOR LATE FAIL
- (A) STABILIZE THE SOL WITH TEMPORARY VECETATION AND EROSON CONTROL MATS BY OCTOBER 1 THE CONTRACTOR WILL SEED THE DISTURBED SLOPE WITH WINTER RYE AT A SEEDING RATE OF 3 POUNDS PER 1,000 SOURE FEET AND THEN INSTALL BROSON CONTROL OR AND/ORDER DULLON OVER THE NEXT, 30 DAYS IF THE RYE FALLS TO GROW AT LEAST THREE MOHES OF FALLS TO COVER THE LEAST TO GROW AT LEAST THREE MOHES OF FALLS TO COVER THE LEAST COVER THE SECOND WITH A LEAST THREE MOHES OF FALLS TO COVER THE LEAST TO GROW AT LEAST THREE MOHES OF FALLS TO COVER THE SLOPE WITH A LATE OF WOOD—MASTE COMPOSIT AS DESCRIBED IN ITEM 30 C MINES STANDARD OR WITH STONE RIP RAP AS
- (B) STABILIZE THE SLOPE WITH SOO: THE CONTRACTOR WILL STABILIZE THE DISTURBED SLOPE WITH PROPERLY INSTALLED SOD BY OCTOBER 1 PROPER INSTALLATION INCLUDES THE CONTRACTOR PINNING THE SOD ONTO THE SLOPE WITH WIRE PINS, ROLLING THE SOD TO GUARANTEE CONTACT BETWEEN THE SOO AND UNDERLYING SOL, AND WATERING THE SOO TO PROMOTE ROOT GROWTH INTO THE DISTURBED SOIL THE CONTRACTOR WILL NOT USE LATE-SEASON SOD INSTALLATION TO STABILIZE SLOPES HAVING A GRADE GREATER THAN 33% (3H:1V) OR HAVING
- (C) STABILIZE THE SLOPE WITH WOOD-WASTE COMPOST: THE CONTRACTOR WILL PLACE A SIX-INCH LAYER OF WOOD-WASTE COMPOST ON THE SLOPE BY NOVEMBER 15. THE CONTRACTOR WILL NOT USE WOOD-WASTE COMPOST TO STABILIZE SLOPES HAVING GR 50% (2H: 1V) OR HAVING GROUNDWATER SEEPS ON THE SLOPE FACE.
- (D) STABILIZE THE SLOPE WITH STONE RIP RAP: THE CONTRACTOR WILL PLACE A LAYER OF STONE RIP RAP ON THE SLOPE BY NOVEMBER 15 THE DEVELOPMENT'S OWNER WILL HIRE A REGISTERED PROFESSIONAL ENGINEER TO DETERMINE THE STONE SIZE NEEDED FOR STABILITY ON THE SLOPE AND TO DESIGN A FILTER LAYER FOR UNDERNEATH THE RIP RAP.
- 3. STANDARD FOR THE TIMELY STABLIZATION OF DISTURBED SOLS: BY SEPTEMBER 15 THE CONTRACTOR WILL SEED AND MUICH ALL DISTURBED SOLS ON THE STEL IF THE CONTRACTOR FALS TO STABLIZE THESE SOLS BY THIS DATE, THEN THE CONTRACTOR WILL TAKE ONE OF THE FOLLOWING ACTIONS TO STABLIZE THE SOL FOR LATE FALL AND MINTER.
- (A) STABLUZE THE SOL WITH TEMPORARY VEGETATION: BY OCTOBER 1 THE CONTRACTOR WILL SEED THE DISTURBED SOL WITH WINTER RYE AT SEEDING RATE OF 3 POUNDS PER 1,0000 SQUARE FEET, LIGHTLY MULCH THE SEEDED SOL WITH HAY OR STRAW AT 75 POUNDS PER 1,0000 SQUARE FEET, AND ANCHOR THE WILLOW HAY PLASTEN CHITING THE CONTRACTOR WILL MONITOR GROWTH OF THE RYE OVER THE RIST 30 DAYS. IF THE RYE FAILS TO GROW AT LEAST THREE MONIES OR FAILS T COVER AT LEAST 73% OF THE DISTURBED SOL BEFORE NOVEMBER 1, THEN THE CONTRACTOR WILL WULCH THE AREA FOR OVER REPORTEDING AS DESCRIBED IN TITM 3 OF THIS STANDARD.
- (B) STABILIZE THE SOL WITH SOD: THE CONTRACTOR WILL STABILIZE THE DISTURBED SOL WITH PROPERLY INSTALLED SOD BY OCTOBER 1. PROPER INSTALLATION INCLIDES THE CONTRACTOR PINNING THE SOD ONTO THE SOL WITH WIRE PINS, ROLLING THE SOD TO QUARANTEE CONTRACT BETWEEN THE SOO AND UNDERLYING SOL, AND WATERING THE SOO TO PROVIT ROOT GROWTH INTO THE DISTURBED SOL.
- (C) STABILIZE THE SOIL WITH MULCH: BY NOVEMBER 15 THE CONTRACTOR WILL MULCH THE DISTURBED SOIL BY SPREADING HAY OR STRAW AT TO STABLEZ THE SOLE MIN MOUCH, OF TOVERBOR TS IT OF CONTRICIOUS MILE MOUCH THE UNIVERSE DOES IN STABLE THROUGH OF THE MILE MOUCH THE WILLOW MIN AT A RATE OF AT LEAST TS DOUBLOODS PER TION SOLAR FEET ON THE AREA SO THAT NO SOL IS SUBBLE THROUGH THE MULCOL IMMEDIATELY AFTER APPLYING THE MULCH, THE CONTRACTOR MILL ANCHOR THE MULCH WITH NETTING OR OTHER METHOD TO PREVENT WIND FROM MOWING THE MULCH OF FT THE DISTRIBED SOL.

SITE INSPECTION AND MAINTENANCE:

- 1. WEEKLY INSPECTIONS, AS WELL AS ROUTINE INSPECTIONS FOLLOWING RAIN FALLS, SHALL BE CONDUCTED BY GENERAL CONTRACTOR OF ALL TEMPORARY AND PERMANENT EROSION CONTROL DEVICES UNTIL FINAL ACCEPTANCE OF THE PROJECT (85% GRASS CATOH) NECESSARY REPARS SMALL BE MADE TO CORRECT LUDGENUNING OR DETERMONATION, THAT ACCEPTANCE SHALL INCLUDE A SHE INSPECTION TO VERTY THE STABILLY OF ALL DISTURBED AREAS AND SCORES UNTIL RINAL INSPECTION, ALL BEFOSON AND SEDIMENTATION CONTROL MEASURES SHALL INMEDIATELY BE CLEAR, ON DEPART OF THE OFFICE OF THE PROJECT OF THE OFFICE OFFICE OF THE OFFICE OF THE OFFICE OFFICE OF THE OFFICE OFFIC
- IT IS RECOMMENDED THAT THE OWNER HIRE THE SERVICES OF THE DESIGN ENGINEER TO PROVIDE COMPLIANCE INSPECTIONS (DURING ACTIVE CONSTRUCTION) RELATIVE TO IMPLEMENTATION OF THE STORMWATER AND EROSION CONTROL PLANS, SUCH INSPECTIONS SHOULD BE LIMITED TO ONCE A WEEK OR AS NECESSARY AND BE REPORTABLE TO THE OWNER, TOWN AND DEP.
- 2 SHORT-TERM SEDIMENTATION MAINTENANCE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CLEAN OUT ALL SWALES AND STRUCTURES PRIOR TO TURNING PROJECT OVER.
- 3. LONG-TERM PROVISIONS FOR PERMANENT MAINTENANCE OF ALL EROSION AND SEDIMENTATION CONTROL DEVICES AFTER ACCEPTANCE OF THE PROJECT SHALL BE THE RESPONSIBILITY OF THE OWNER, TOWN OR THEIR DESIGNEE.

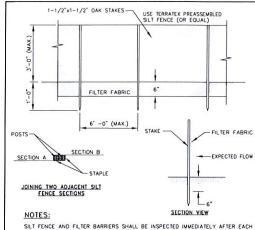




DETAIL IRON MINE TRAILER PARK MAINE HOME DEALS, INC.

ROJ. NO. 2020-122

OLD



SILT FENCE AND FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.

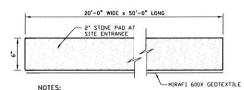
SHOULD THE FABRIC ON A SILT FENCE OF FILTER BARRIER DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL IS NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.

SEDIMENT DEPOSITS SHALL BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE—HALF THE HEIGHT OF THE BARRIER. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SLIT FENCE OR FILTER BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH THE EXISTING GRADE, REPEARED AND SECEDE.

THE TRENCH SHALL BE BACKFILLED AND THE SOL COMPACTED OVER THE FILTER FABRIC. SLIT FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED.

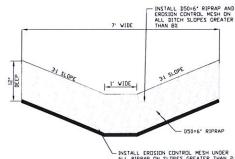
SILT FENCE DETAIL

NOT TO SCALE

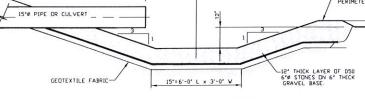


THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OF SEDIMENT ONTO ROAD

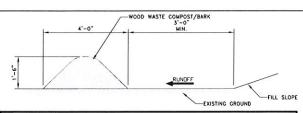
STABILIZED CONSTRUCTION ENTRANCE







PLUNGE POOL SECTION



WOOD WASTE COMPOST/BARK FILTER BERMS

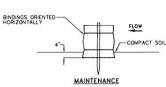
THE FILTER BERM SHALL CONSIST OF A WOOD WASTE COMPOST/BARK MULCH MIX OR RECYCLED COMPOSTED BARK FLUME CRIT AND FRAGMENTED WOOD GENERATED FROM WATER-FLUME LOG HANDLING SYSTEMS. COMPOSTED MIXES CAN BE USED UPON APPROVAL OF THE OFFICE OF ENVIRONMENTAL SERVICES LANDSCAPE UNIT.

THE MIX SHALL CONFORM TO THE FOLLOWING STANDARDS:

- MOISTURE CONTENT 30-60% ph 5.0-8.0 "
 SCREEN SIZE 100% LESS THAN 3", MAXIMUM 70% LESS THAN 1".
 NO LESS THAN 40% ORGANIC MATERIAL (DRY WEIGHT) BY LOSS OF IGNITION NO STONES LARGER THAN 2" IN DIAMETER ...
- THE COMPOSTED BERM SHALL BE PLACED, UNCOMPACTED, ALONG A RELATIVELY LEVEL CONTOUR.

WOOD WASTE COMPOST/BARK FILTER BERMS MAY BE USED IN COMBINATION WITH SILT FENCE TO IMPROVE SEDIMENI REMOVAL AND PREVENT CLOGGING OF THE WOOD WASTE COMPOST/BARK BERM BY LARGRE SEDIMENT PARTICLES. (SILT FENCE PLACED TO FILTER RUNOFF BEFORE WOOD WASTE COMPOST/BARK)

WOOD WASTE COMPOST/BARK FILTER BERM ALTERNATIVE

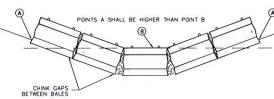


- THE BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL.
- CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED BALES, END RUNS AND UNDERCUTTING BENEATH BALES.
- NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT SHALL BE ACCOMPLISHED PROMPTLY. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RAINFALL.
 THEY MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES
 APPROXIMATELY DONE HALF THE HEIGHT OF THE BARRIER. THEY
 MUST BE REMOVED WHEN THE BARRIER IS REMOVED.

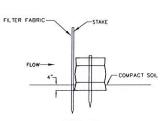
NOTES:

- BALES ARE HAY OR STRAW, DIMENSIONS: 14" x 18" x 30", WIRE OR NYLON, PLACED IN DRAINAGE AREAS, UPON THE CONTOUR OF THE GROUND. BALES ARE TO BE PLACED IN A ROW, WITH ENDS TIGHTLY SET AGAINST THE ADJACENT BALE.





DITCH BALE BARRIER



SECTION VIEW SILT FENCE/BALE BARRIER DETAIL

NOTES:

ANY SEDIMENT BARRIERS LOCATED AT LOW POINTS OR SUBJECT TO PONDING ALONG THE FENCE SHALL BE REINFORCED AS SHOWN ABOVE WITH A COMBINATION OF HAYBALES & SILT FENCE.

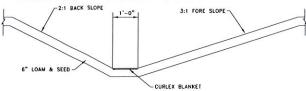
THE CONTRACTOR SHALL REMOVE SEDIMENT TRAPPED AT THESE LOW POINTS AFTER EYER'S STORM EYERT.

SPECIFICATIONS

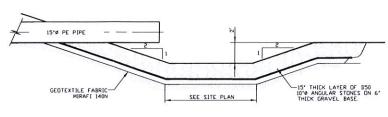
UPON FINAL GRADING. THE DISTURBED AREAS SHALL BE IMMEDIATELY SEEDED TO PERMANENT VEGETATION AND MULCHED. THE DITCH WILL NOT BE UTILIZED AS AN OUTLET UNTIL A DENSE, VIGOROUS VECETATIVE COVER HAS BEEN OBTAINED.

NETTING OR EXCELSION MESH SHALL BE INSTALLED AT THE BASE OF THE VEGETATIVE CHANNEL.

MOW WATERWAY AT LEAST ONCE ANNUALLY. WHEN PRACTICAL, DELAY MOWING UNTIL AFTER JULY 15TH TO ACCOMMODATE GROUND NESTING WILDLIFE. MOW TO A HEIGHT OF 4 TO 6 INCHES TO HELP MAINTAIN COOP SUBFACE PROTECTION. EXCESSIVE GROWTH SHALL BE REMOVED. DO NOT MOW LATER THAN 30 DAYS PRIOR TO THE FIRST KILLING FROST.



SEEDED DITCH DETAIL



SEDIMENT FOREBAY SECTION

- STONE CHECK DAM SPECIFICATIONS

 THE FOLLOWING CRITERIA SHOULD BE ADHERD TO WHEN SPECIFYING CHECK DAMS.

 THE DRAINAGE AREA OF THE DITCH OR SWALE BEING PROTECTED SHOULD NOT EXCEED TO ACRES.

 THE MAXIMUM HEIGHT OF THE CHECK DAM SHOULD BE 22 FEET. THE CENTER OF THE CHECK DAM MUST BE AT LEAST 6 INCHES LOWER THAN THE OUTER CODES. THE SPACING BETWEEN THE DAMS IS SHOWN ON THE SITE PLAN.

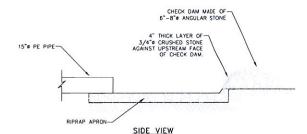
 CHECK DAMS SHOULD BE INSTALLED BEFORE RUNOFF IS DIRECTED TO THE SWALE OR DRAINAGE DITCH.
- * A 4" THICK LAYER OF 3/4"# CRUSHED STONE SHALL BE INSTALLED ALONG THE UPSTREAM FACE OF THE CHECK DAM.

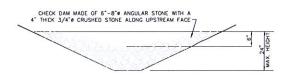
STONE CHECK DAMS

STONE CHECK DAMS SHOULD BE CONSTRUCTED OF 6"# TO 8"# STONE. HAND OR MECHANICAL PLACEMENT WILL BE NECESSARY TO ACHIEVE COMPLETE COVERAGE OF THE DITCH OR SWALE AND TO ENSURE THAT THE CENTER OF THE DAM IS LOWER THAN THE EDEES. SEE THE DETAIL DRAWING FOR THE PROPER INSTALLATION OF STONE CHECK DAMS. THE CHECK DAM SHALL BE REMOVED AFTER THE ACCESS DRIVE'S CONSTRUCTION IS COMPLETED.

MAINTENANCE

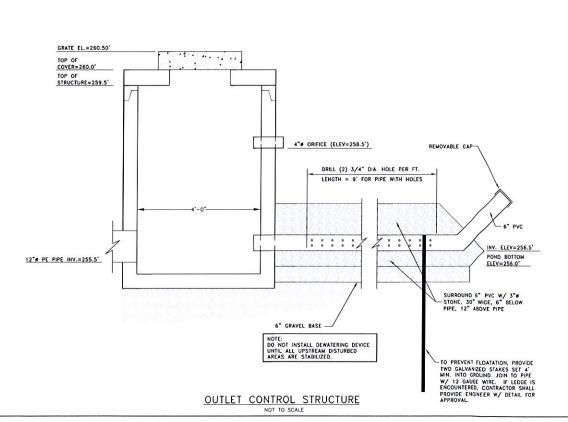
REQUIAR INSPECTIONS MUST BE MADE TO ENSURE THAT THE CENTER OF THE DAM IS LOWER THAN THE EDGES. EROSION CAUSED BY HIGH FLOWS AROUND THE EDGES OF THE DAM MUST BE CORRECTED IMMEDIATELY. IF EVIDENCE OF SILITATION IN THE WATER IS APPARENT DOWNSTREAM FROM THE CHECK DAM, THE CHECK DAM MUST BE INSPECTED AND ADJUSTED IMMEDIATELY. CHECK DAMS MUST BE CHECKED FOR SEDIMENT ACCUMULATION AFFER EACH SIGNIFICANT RAINFALL. SEDIMENT MUST BE REMOYED WHEN IT REACHES ONE HALF OF THE ORIGINAL HEIGHT OR BEFORE. IF IT IS POSSIBLE, LEAVE THE DAM IN PLACE PERMANENTLY, ANOTHER OPTION IS TO SPREAD THE MATERIAL, I.C. STONE ALONG THE DITCH INVERT TO PROVIDE ADDITIONAL PROTECTION. IN TEMPORARY DITCHES AND SWALES, CHECK DAMS MUST BE REMOYED AND THE OTHER HEILLD IN WHEN IT IS NO LONGER NEEDED. IN PERMANENT STRUCTURES, CHECK DAMS CAN BE REMOYED WHEN A PERMANENT LINING HAS BEEN ESTABLISHED. IF A CHECK DAM MUST BE REMOYED FROM AREA BENEAM HAS THE CHECK DAM MUST BE REMOYED FROM AREA BENEAM HE THE CHECK DAM MUST BE REMOYED FROM A GRASS LINED DITCH, WAIT UNTIL THE GRASS HAS MATURED TO PROTECT THE DITCH OR SWALE. THE AREA BENEAM THE CHECK DAM MUST BE REMOYED FROM A GRASS LINED DITCH, WAIT UNTIL THE GRASS HAS MATURED TO PROTECT THE DITCH OR SWALE. THE AREA BENEAM THE CHECK DAM MUST BE REMOYED.

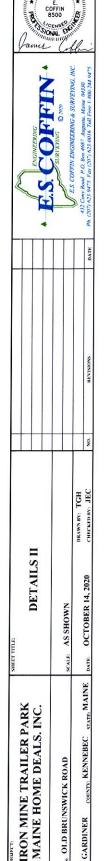




SECTION VIEW

STONE CHECK DAM





ROJ. NO. 2020-122