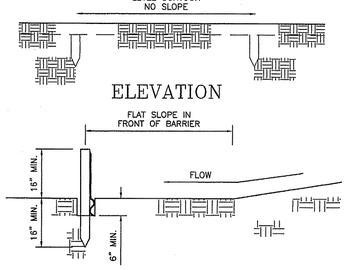


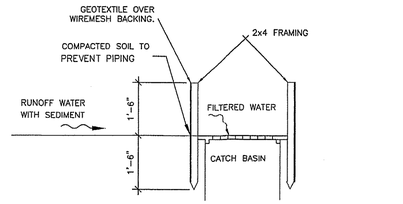
SPECIFICATIONS FOR SILT FENCE

1. SILT FENCE SHALL BE CONSTRUCTED BEFORE UPSLOPE LAND DISTURBANCE BEGINS.
2. ALL SILT FENCE SHALL BE PLACED AS CLOSE TO THE CONTOUR AS POSSIBLE SO THAT WATER WILL NOT CONCENTRATE AT LOW POINTS IN FENCE AND SO THAT SMALL SWALES OR DEPRESSIONS WHICH MAY CARRY SMALL CONCERTRATED FLOWS TO THE SILT FENCE ARE DISSIPATED ALONG ITS LENGTH.
3. TO PREVENT WATER PONDED BY THE SILT FENCE FROM FLOWING AROUND THE ENDS, EACH END SHALL BE CONSTRUCTED UPSLOPE SO THAT THE ENDS ARE AT A HIGHER ELEVATION.
4. WHERE POSSIBLE, SILT FENCE SHALL BE PLACED ON THE FLATTEST AREA AVAILABLE.
5. WHERE POSSIBLE, VEGETATION SHALL BE PRESERVED FOR 5 FT. (OR AS MUCH AS POSSIBLE) UPSLOPE FROM THE SILT FENCE. IF VEGETATION IS REMOVED, IT SHALL BE REESTABLISHED WITHIN 7 DAYS FROM THE INSTALLATION OF THE SILT FENCE.
6. THE HEIGHT OF THE SILT FENCE SHALL BE A MINIMUM OF 16 IN. ABOVE THE ORIGINAL GROUND SURFACE.
7. THE SILT FENCE SHALL BE PLACED IN A TRENCH CUT A MINIMUM OF 6 IN. DEEP. THE TRENCH SHALL BE CUT WITH A TRENCHER, CABLE LAYING MACHINE, OR OTHER SUITABLE DEVICE WHICH WILL ENSURE AN ADEQUATELY UNIFORM TRENCH DEPTH.
8. THE SILT FENCE SHALL BE PLACED WITH THE STAKES ON THE DOWNSLOPE SIDE OF THE GEOTEXTILE AND SO THAT 8 IN. OF CLOTH ARE BELOW THE GROUND SURFACE. EXCESS MATERIAL SHALL LAY ON THE BOTTOM OF THE 6-IN.-DEEP TRENCH. THE TRENCH SHALL BE BACKFILLED AND COMPACTED.
9. SEAMS BETWEEN SECTION OF SILT FENCE SHALL BE OVERLAPPED WITH THE END STAKES OF EACH SECTION WRAPPED TOGETHER BEFORE DRIVING INTO THE GROUND.
10. MAINTENENCE--SILT FENCE SHALL ALLOW RUNOFF TO PASS ONLY AS DIFFUSE FLOW THROUGH THE GEOTEXTILE. IF RUNOFF OVERTOPS THE SILT FENCE, FLOWS UNDER OR AROUND THE ENDS, OR IN ANY OTHER WAY BECOMES A CONCENTRATED FLOW, ONE OF THE FOLLOWING SHALL BE PERFORMED, AS APPROPRIATE:
1) THE LAYOUT OF THE SILT FENCE SHALL BE CHANGED, 2) ACCUMULATED SEDIMENT SHALL BE REMOVED, OR 3) OTHER PRACTICES SHALL BE INSTALLED.

CRITERIA FOR SILT FENCE MATERIALS

1. FENCE POSTS--THE LENGTH SHALL BE A MINIMUM OF 32 IN. LONG. WOOD POSTS WILL BE 2-BY-2-IN. HARDWOOD OF SOUND QUALITY. THE MAXIMUM SPACING BETWEEN POSTS SHALL BE 10 FT.
2. SILT FENCE FABRIC SHALL BE ODOT TYPE C GEOTEXTILE FABRIC OR AS DESCRIBED BY THE CHART BELOW:

FABRIC PROPERTIES	
MINIMUM TENSILE STRENGTH	120 LBS.
MAXIMUM ELONGATION AT 60 LBS.	50%.
MINIMUM PUNCTURE STRENGTH	50 LBS.
MINIMUM TEAR STRENGTH	40 IBS.
MINIMUM BURST STRENGTH	200 PSI
APPARENT OPENING SIZE	? 0.84MM
MINIMUM PERMITTIVITY	0.01 SEC.^-1
ULTRAVIOLET EXPOSURE STRENGTH RETENTION	70%



SPECIFICATIONS FOR MATTING

1. MATERIAL-EXCELSIOR MATTING SHALL BE 48" WIDE & WEIGH AN AVERAGE OF 0.75 #/S.Y. OR GREATER. JUTE MATTING SHALL BE 48" WIDE & WEIGH AN AVERAGE OF 1.2 #/YD OR GREATER. MATTING MADE OF OTHER MATERIAL & PROVIDING EQUAL OR GREATER STABILIZATION THAN ABOVE MAY BE SUBSTITUTED.
2. SITE PREPARATION-AFTER THE SITE HAS BEEN SHAPED AND GRADED, A SEEDBED SHALL BE PREPARED THAT IS RELATIVELY FREE OF FOREIGN MATERIAL, CLODS OR ROCKS THAT ARE GREATER THAN 1.5" IN DIAMETER. THE SITE SHALL BE PREPARED TO ENSURE THAT THE MATTING HAS GOOD SOIL CONTACT AND THE MATTING WILL NOT "BRIDGE" OR "TENT" OVER OBSTRUCTIONS.
3. MATTING SHALL BE HELD IN PLACE AS RECOMMENDED BY THE MANUFACTURER AS ADEQUATE FOR THE SITE CONDITIONS OR WITH SOD STAPLES. SOD STAPLES ARE U-SHAPED WIRE STAPLES USED FOR FASTENING SOD, JUTE OR EXCELSIOR MATTING AND OTHER EROSION-CONTROL MATERIALS TO THE SOIL SURFACE. SOD STAPLES SHALL BE NO. 11 GAUGE OR HEAVIER AND BE 6-10" IN LENGTH. IN LOOSE OR SANDY SOILS LONGER STAPLES SHALL BE USED.
4. PLANTING - LIME AND FERTILIZER SHALL BE USED ACCORDING TO THE RECOMMENDATION OF A SOIL TEST OR THE SEEDING PLAN. SEED ACCORDING TO THE MATTING MANUFACTURER'S RECOMMENDATIONS; OR, FOR EXCELSIOR MATTING, SEED AREA TO BE PROTECTED BEFORE INSTALLATION; OR, WHEN USING JUTE MATTING, APPLY HALF THE SEED BEFORE AND HALF THE SEED AFTER INSTALLATION.
5. MATTING SHALL BE INSTALLED AS SPECIFIED BY THE MANUFACTURER AS APPROPRIATE FOR THE SITE CONDITIONS OR THE FOLLOWING PROCEDURE MAY BE USED:
   a. AFTER THE SITE IS PREPARED AND EROSION STOPS ARE INSTALLED, START LAYING THE MAT FROM THE TOP OF THE SLOPE OR CHANNEL AND UNROLL THE MATTING ALLOWING 4" OVERLAPS AT THE EDGES.
   b. SECURE THE MATTING BY BURING THE TOP ENDS IN A TRENCH 6" DEEP AND STAPLE THE FOLDED ENDS TO THE BOTTOM OF THE TRENCH. BACKFILL AND TAMP FIRMLY TO THE ESTABLISHED GRADE.
   c. STAPLE MATTING EVERY 12" ACROSS THE WIDTH BEGINNING AT THE EDGES AND EVERY 2' IN ROWS THE ENTIRE LENGTH OF THE MATTING. EVERY OTHER ROW OF STAPLES RUNNING THE LENGTH OF THE MATTING SHOULD BE STAGGERED.
   d. TO JOIN TWO ROLLS TOGETHER, CUT A TRENCH TO ANCHOR THE END OF THE NEW ROLL AND SECURE IT THE SAME AS THE TOP ROLL. OVERLAP THE END OF THE PREVIOUS ROLL 18" OVER THE NEW ROLL. CONTINUE TO STAPLE AS DESCRIBED ABOVE.
   e. WHEN USING EXCELSIOR MATTING, THE PLASTIC NETTING SHALL BE ON TOP OF THE WOOD FIBER.
6. EROSION STOPS SHALL BE USED WHERE RECOMMENDED BY THE MATTING MANUFACTURER AND ON AREAS SPECIFIED WHERE HIGH-EROSION POTENTIAL MAY CAUSE UNDERMINING AND GULLIES TO FORM BENEATH THE MATTING.
   a. EROSION STOPS SHALL BE MADE OF STRIPS OF MATTING PLACED IN NARROW TRENCHES 6-12" DEEP THAT COVER THE FULL CROSS SECTION OF THE CHANNEL. THEY SHALL BE SPACED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS OR BY THE FOLLOWING:
      -3' DOWN THE CHANNEL FROM EACH POINT OF ENTRY OF CONCENTRATED FLOW,
      -AT POINTS WHERE CHANGE IN GRADIENT OR DIRECTION OF CHANNEL OCCURS, AND
      -ON LONG SLOPES AT SPACING FROM 20-100' DEPENDING UPON THE ERODIBILITY OF THE SOIL, VELOCITY AND VOLUME OF FLOW.
   b. EROSION STOPS SHALL EXTEND BEYOND THE CHANNEL LINER TO THE FULL DESIGN WIDTH OF THE CHANNEL, THIS WILL CHECK ANY RILLS THAT MIGHHT FORM OUTSIDE OR ALONG THE EDGE OF THE CHANNEL LINING.
   c. EROSION STOPS SHALL BE CONSTRUCTED WITH 6" DEEP TRENCH, STAPLED TO THE BOTTOM OF THE TRENCH, BACKFILLED AND TAMPED FIRMLY TO CONFORM WITH THE CROSS SECTION OF THE CHANNEL.
   d. IF SEEDING HAS BEEN DONE PRIOR TO INSTALLATION OF EROSION STOPS, RESEED DISTURBED AREAS PRIOR TO PLACEMENT OF CHANNEL LINER.

STORM WATER POLLUTION PREVENTION PLAN NOTES

THE CONTRACTOR IS FULLY RESPONSIBLE FOR SOIL SEDIMENT POLLUTION FROM THE SITE AND THE PROPER PLACEMENT AND MAINTENANCE OF EROSION CONTROL ITEMS IN ACCORDANCE WITH STANDARD CONSTRUCTION PRACTICE.

A.) PROJECT DESCRIPTION
THE PROJECT CONSISTS OF CONSTRUCTING 72 CONDOS ON THE SOUTH SIDE AND 24 RESIDENTIAL LOTS ON THE NORTH SIDE, ON A 24.04 ACRE LOT THAT CONTAINS A RIPARIAN CORRIDOR THROUGH THE CENTER. THE PRIMARY STORM MANAGEMENT SYSTEM WILL CONSIST OF A DRY DETENTION BASIN WHICH WILL RECEIVE STORM WATER FROM OVERLAND FLOW AND FROM THE ON-SITE STORM SEWER SYSTEM. DURING CONSTRUCTION A RISER PIPE (SEE DETAIL 1/22) WILL BE USED FOR SEDIMENT CONTROL FOR THE WATER COMING TO THE DETENTION BASIN OVERLAND AND SILT SACKS SHALL BE PROVIDED AS PER NOTE ON THIS SHEET FOR EROSION CONTROL FOR THE CATCH BASINS.

B.) SOILS INFORMATION
THE SUMMIT COUNTY SOIL SURVEY DESCRIBES THE SOILS AS CANFIELD SILT LOAM, 0-2% SLOPES SUBGROUP C. BORINGS PERFORMED BY TIMMERMAN GEOTECHNICAL GROUP, INC. INDICATE THAT THERE IS A GENERAL PRESENCE OF FINE GRAINED CLAYEY SILT SOILS WITH OCCASIONAL SAND OVERLYING SEDIMENTARY ROCK. TOPSOIL IS PRESENT AT A DEPTH VARYING FROM 4 TO 20 INCHES WITH TYPICAL DEPTHS OF 8 TO 12 INCHES. BENEATH THE TOPSOILS AND EXTENDING BETWEEN 7 TO 18.5 FEET WAS GENERALLY BROWN AND/OR GRAY CLAYEY SILT, WITH TRACE OR MINOR AMOUNTS OF SAND, GRAVEL, AND SANDSTONE FRAGMENTS. BENEATH THIS LAYER AND EXTENDING FROM 10 TO 48.7 FT WAS SEDIMENTARY ROCK COMPOSED OF FINE GRAINED SANDSTONE, SHALE, AND SHALE/SILTSTONE. FOR FURTHER INFORMATION REGARDING THE SOILS OF THIS PROPERTY REFER TO THE SUBSURFACE INVESTIGATION REPORT PREPARED BY TIMMERMAN GEOTECHNICAL GROUP, INC.

C.) SURFACE WATER LOCATIONS
THIS PROJECT WILL INCLUDE CONSTRUCTING (2) TWO DETENTION BASINS THAT WILL DISCHARGE INTO AN EXISTING STREAM TO THE SOUTH.

D.) SCHEDULE OF CONSTRUCTION ACTIVITY
1.) ALL EROSION AND SEDIMENT CONTROL PRACTICES SPECIFIED ON THIS PLAN SHALL CONFORM WITH DETAILS AND SPECIFICATIONS OUTLINED IN THE OHIO DEPARTMENT OF NATURAL RESOURCES BOOKLET. "RAINWATER AND LAND DEVELOPMENT" AND THE SPECIFICATIONS IN THE SUMMIT COUNTY STORM MANAGEMENT MANUAL.
2.) GENERAL CONSTRUCTION SEQUENCE
   A. INSTALL CONSTRUCTION ENTRANCE, INSTALL PERIMETER SILT FENCE AND TEMPORARY SEDIMENT TRAPS.
   B. CLEAR AND GRUB SITE TO EXTENT NECESSARY TO GRADE ROADWAYS AND INSTALL DETENTION BASIN AND ASSOCIATED STRUCTURES
   C. GRADE ROADWAYS
   D. INSTALL DETENTION/SEDIMENT BASIN AND ASSOCIATED STRUCTURES, INCLUDING TEMPORARY RISER PIPE. INSTALL REMAINING SILT FENCE.
   E. ROUGH GRADE SITE. INSTALL TEMPORARY DIVERSIONS AND SWALES AS SPECIFIED, INSTALL ROCK CHECK DAMS AS SPECIFIED
   F. SEED AND MULCH AS SPECIFIED
   G. INSTALL STORM DRAINS AS SPECIFIED, DECOMMISION TEMPORARY CHANNELS AND SWALES AS NEEDED TO INSTALL STORM DRAINS. INSTALL INLET PROTECTION AS SPECIFIED.
   H. INSTALL ROADWAYS
   I. INSTALL UTILITIES, BEGIN CONSTSRUCTION OF HOUSING UNITS.
   J. CLEAN SEDIMENT TRAPS AND BASIN AS NECESSARY TO MAINTAIN FUNCTIONALITY.
2.) PLACING THE SILT FENCE & DETENTION BASIN/SEDIMENT TRAP SHALL BE IMPLEMENTED AS THE FIRST STEP OF GRADING AND WITHIN SEVEN DAYS FROM THE START OF GRUBBING AND SHALL CONTINUE TO FUNCTION UNTIL UPLAND AREAS ARE PERMANENTLY STABILIZED.
3.) CONSTRUCTION ENTRANCE WILL BE INSTALLED AS SHOWN ON SHEET 20. NOTES REGARDING CONSTRUCTION ENTRANCE IN LAND STABILZATION MEASURES ITEM 5.

E.) LAND STABILIZATION MEASURES
1.) DISTURBED AREAS SHALL BE KEPT TO A MINIMUM WITH RESPECT TO AREAS EXPOSED AND TIME OF EXPOSURE. ALL TOPSOIL SHALL BE STOCKPILED. ALL AREAS AT FINAL GRADE OR WHERE CONSTRUCTION ACTIVITY WILL CEASE FOR 21 DAYS OR LONGER SHALL BE STABILIZED WITHIN 7 DAYS OF THE LAST ACTIVITY (INCLUDING STOCKPILED TOPSOIL). THE AREAS SHALL BE RESEEDED AS PER THE SPECIFICATION 'TEMPORARY SEEDING' OR 'MULCHING'.
2.) CONTINUOUS MAINTENANCE WILL BE REQUIRED AS NECESSARY UNTIL PERMANENT, STABLE VEGETATIVE COVER HAS BEEN ESTABLISHED AND EROSION HAS BEEN CONTROLLED. THIS INCLUDES BUT IS NOT LIMITED TO RESEEDING, MULCHING, EARTH FILLING, ETC.
3.) IF SMALL RILLS OR GULLIES DEVELOP, TEMPORARY DIVERSIONS OF EARTH FILL SHALL BE INSTALLED UNTIL SATISFACTORY SEEDING IS ESTABLISHED.
4.) EROSION AND SEDIMENT CONTROL PRACTICES NOT ALREADY SPECIFIED ON THIS PLAN MAY BE NECESSARY DUE TO UNFORESEEN ENVIRONMENTAL CONDITIONS AND/OR CHANGES IN DRAINAGE PATTERNS CAUSED BY EARTH-MOVING ACTIVITY.
5.) ADJACENT ROADS SHALL BE KEPT FREE OF DIRT AND DEBRIS AT ALL TIMES. THE CONTRACTOR SHALL CONSTRUCT A 10' MIN. x 50' CONSTRUCTION ENTRANCE. 6" OF 2" STONE (OR RECYCLED CONCRETE EQUIVALENT) SHALL BE LAID ON A GEOTEXTILE (MIN. 200# TENSILE STRENGTH) BASE. CONSTRUCTION ENTRANCE IS SUBJECT TO APPROVAL BY THE SUMMIT COUNTY SOIL AND WATER CONSERVANCION DISTRICT (330-929-2871)
6.) ALL CATCH BASINS SHALL HAVE AN SILT SACK INSTALLED AS MANUFACTURED BY PS CONSTRUCTION FABRICS, INC., 330-335-3635 OR EQUIVALENT.
7.) REGULAR INSPECTION AND MAINTENANCE WILL BE PROVIDED FOR ALL EROSION AND SEDIMENT CONTROL PRACTICES. PERMANENT RECORDS OF MAINTENANCE AND INSPECTIONS MUST BE KEPT THROUGHOUT THE CONSTRUCTION PERIOD. INSPECTIONS MUST BE MADE A MINIMUM OF ONCE EVERY 7 DAYS AND IMMEDIATELY AFTER STORM EVENTS GREATER THAN 0.5 INCHES OF RAIN IN A 24-HOUR PERIOD. PROVIDE NAME OF INSPECTOR, MAJOR OBSERVATIONS, DATE OF INSPECTION, AND CORRECTIVE MEASURES TAKEN.
8.) WINTERIZATION-ANY DISTURBED AREA THAT IS NOT GOING TO BE WORKED FOR 21 DAYS OR MORE MUST BE SEEDED AND MULCHED BY NOVEMBER 1 OR MUST HAVE A DORMANT SEEDING OR MULCH COVER BETWEEN NOVEMBER 1 AND MARCH 1.
9.) EROSION CONTROL BLANKETS WITH MATTING WILL BE USED ON DITCHES GREATER THAN 1.5% AND ALL OTHER SLOPES GREATER THAN 6% GRADE.

F. NON-SEDIMENT POLLUTION CONTROL
1.) SOLID, LIQUID, SANITARY OR TOXIC WASTE SHALL BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. IT IS PROHIBITED TO BURN, BURY, OR POUR INTO THE GROUND OR INTO STORM SEWERS ANY WASTE.
2.) WASHOUT OF CEMENT TRUCKS SHALL NOT OCCUR ON SITE OTHER THAN TO WASHOUT CEMENT TRUCK CHUTE. WASHOUT OF CEMENT TRUCKS IS THE CEMENT CONTRACTORS RESPONSIBILITY. ALL WASHOUT SHALL OCCUR INTO A DIKED AREA WITH A PLASTIC LINER. THIS WASHOUT MUST THEN BE PUMPED OUT AND DISPOSED OF AS SANITARY WASTE.

MULCHING

1. MULCH AND/OR OTHER APPROPRIATE VEGETATIVE PRACTICES SHALL BE APPLIED TO DISTURBED AREAS WITHIN 7 DAYS OF GRADING IF THE AREA IS TO REMAIN DORMANT (UNDISTURBED) FOR MORE THAN 21 DAYS OR ON AREAS AND PORTIONS OF THE SITE WHICH CAN BE BROUGHT TO FINAL GRADE.
2. MULCH SHALL CONSIST OF ONE OF THE FOLLOWING:
- STRAW - STRAW SHALL BE UNROTTED SMALL GRAIN STRAW APPLIED AT THE RATE OF 2 TONS/AC. OR 90 LB./1000 SQ. FT. (TWO TO THREE BALES). THE STRAW MULCH SHALL BE SPREAD UNIFORMLY BY HAND OR MECHANICALLY SO THE SOIL SURFACE IS COVERED. FOR UNIFORM DISTRIBUTION OF HAND-SPREAD MULCH, DIVIDE ARE INTO APPROXIMATELY 1000-SQ.-FT. SECTIONS AND SPREAD TWO 45-LB. BALES OF STRAW IN EACH SECTION.
-HYDROSEEDERS - IF WOOD CELLULOSE FIBER IS USED, IT SHALL BE USED AT 2,000 LB./AC. OR 46 LB. 1,000 SQ. FT.
-OTHER - OTHER ACCEPTABLE MULCHES INCLUDE MULCH MATTINGS APPLIED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS OR WOOD CHIPS APPLIED AT 10-20 TONS/AC.
3. MULCH ANCHORING - MULCH SHALL BE ANCHORED IMMEDIATELY TO MINIMIZE LOSS BY WIND OR RUNOFF. THE FOLLOWING ARE ACCEPTABLE METHODS FOR ANCHORING MULCH.
-MECHANICAL - USE A DISK, CRIMPER, OR SIMILAR TYPE TOOL SET STRAIGHT TO PUNCH OR ANCHOR THE MULCH MATERIAL INTO THE SOIL. STRAW MECHANICALLY ANCHORED SHALL NOT BE FINELY CHOPPED BUT, GENERALLY, BE LEFT LONGER THAN 6 INCHES.
-MULCH NETTINGS - USE ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS, FOLLOWING ALL PLACEMENT AND ANCHORING SUGGESTIONS. USE IN AREAS OF WATER CONCENTRATION AND STEEP SLOPES TO HOLD MULCH IN PLACE.
-ASPHALT EMULSION - FOR STRAW MULCH, APPLY AT THE RATE OF 160 GAL./AC. (0.1 GAL./SY) INTO THE MULCH AS IT IS BEING APPLIED OR AS RECOMMENDED BY THE MANUFACTURER.
-SYNTHETIC BINDERS - FOR STRAW MULCH SYNTHETIC BINDERS SUCH AS ACRYLIC DLR (AGRI-TAC), DCA-70, PETROSET, TERRA TACK OR EQUAL MAY BE USED AT RATES RECOMMENDED BY MANUFACTURER.
-WOOD-CELLULOSE FIBER - WOOD-CELLULOSE FIBER MAY BE USED FOR ANCHORING STRAW. THE FIBER BINDER SHALL BE APPLIED AT A NET DRY WEIGHT OF 750 LB./AC. THE WOOD-CELLULOSE FIBER SHALL BE MIXED WITH WATER AND THE MIXTURE SHALL CONTAIN A MAXIMUM OF 50 LB./100 GAL OF WOOD CELLULOSE FIBER.

TEMPORARY SEEDING

1. STRUCTURAL EROSION- AND SEDIMENT-CONTROL PRACTICES SUCH AS DIVERSIONS AND SEDIMENT TRAPS SHALL BE INSTALLED AND STABILIZED WITH TEMPORARY SEEDING PRIOR TO GRADING THE REST OF THE CONSTRUCTION-SITE.
2. TEMPORARY SEED SHALL BE APPLIED BETWEEN CONSTRUCTION OPERATIONS ON SOIL THAT WILL NOT BE GRADED OR REWORKED FOR 21 DAYS OR MORE. THESE IDLE AREAS SHOULD BE SEEDED AS SOON AS POSSIBLE AFTER GRADING OR SHALL BE SEEDED WITHIN 7 DAYS. SEVERAL APPLICATIONS OF TEMPORARY SEEDING ARE NECESSARY ON TYPICAL CONSTRUCTION PROJECTS.
3. THE SEEDBED SHOULD BE PULVERIZED AND LOOSE TO ENSURE THE SUCCESS OF ESTABLISHING VEGETATION. HOWEVER, TEMPORARY SEEDING SHALL NOT BE POSTPONED IF IDEAL SEEDBED PREPARATION IS NOT POSSIBLE.
4. SOIL AMENDMENTS-APPLICATIONS OF TEMPORARY VEGETATION SHALL ESTABLISH ADEQUATE STANDS OF VEGETATION WHICH MAY REQUIRE THE USE OF SOIL AMENDMENTS. SOIL TESTS SHOULD BE TAKEN ON THE SITE TO PREDICT THE NEED FOR LIME AND FERTILIZER.
5. SEEDING METHOD-SEED SHALL BE APPLIED UNIFORMLY WITH A CYCLONE SEEDER, DRILL, CULTIPACKER SEEDER, OR HYDROSEEDER. WHEN FEASIBLE, SEED THAT HAS BEEN BROADCAST SHALL BE COVERED BY RAKING OR DRAGGING AND THEN LIGHTLY TAMPED INTO PLACE USING A ROLLER OR CULTIPACKER. IF HYDRODEEDING IS USED, THE SEED AND FERTILIZER WILL BE MIXED ON-SITE AND THE SEEDING SHALL BE DONE IMMEDIATELY AND WITHOUT INTERRUPTION.

MULCHING TEMPORARY SEEDING
1. APPLICATIONS OF TEMPORARY SEEDING SHALL INCLUDE MULCH WHICH SHALL BE APPLIED DURING OR IMMEDIATELY AFTER SEEDING. SEEDINGS MADE DURING OPTIMUM SEEDING DATES AND WITH FAVORABLE SOIL CONDITIONS AND ON VERY FLAT AREAS MAY NOT NEED MULCH TO ACHIEVE ADEQUATE STABLIZATION.
2. MATERIALS
- STRAW - IF STRAW IS USED, IT SHALL BE UNROTTED SMALL-GRAIN STRAW APPLIED AT THE RATE OF 2 TONS/AC. OR 90 LB./1000 SQ. FT. (TWO TO THREE BALES). THE MULCH SHALL BE SPREAD UNIFORMLY BY HAND OR MECHANICALLY SO THE SOIL SURFACE IS COVERED. FOR UNIFORM DISTRIBUTION OF HAND-SPREAD MULCH, DIVIDE ARE INTO APPROXIMATELY 1000-SQ.-FT. SECTIONS AND SPREAD TWO 45-LB. BALES OF STRAW IN EACH SECTION.
-HYDROSEEDERS - IF WOOD CELLULOSE FIBER IS USED, IT SHALL BE USED AT 2,000 LB./AC. OR 46LB. 1,000 SQ. FT.
-OTHER - OTHER ACCEPTABLE MULCHES INCLUDE MULCH MATTINGS APPLIED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS OR WOOD CHIPS APPLIED AT 6 TONS/AC.
3. STRAW MULCH SHALL BE ANCHORED IMMEDIATELY TO MINIMIXE LOSS BY WIND OR WATER.

ANCHORING METHODS
-MECHANICAL - A DISK, CRIMPER, OR SIMILAR TYPE OF TOOL SHALL BE SET STRAIGHT TO PUNCH OR ANCHOR THE MULCH MATERIAL INTO THE SOIL. STRAW MECHANICALLY ANCHORED SHALL NOT BE FINELY CHOPPED BUT, GENERALLY, BE LEFT LONGER THAN 6 INCHES.
-MULCH NETTINGS - NETTINGS SHALL BE USED ACCORDING TO THE MANUFACTURER'S RECOMENDATIONS. NETTING MAY BE NECESSARY TO HOLD MULCH IN PLACE IN AREAS OF CONCENTRATION RUNOFF AND ON CRITICAL SLOPES.
-ASPHALT EMULSION - ASPHALT SHALL BE APPLIED AS RECOMMENDED BY THE MANUFACTURER OR AT THE RATE OF 160 GAL./AC.
-SYNTHETIC BINDERS - SYNTHETIC BINDERS SUCH AS ACRYLIC DLR (AGRI-TAC), DCA-70, PETROSET, TERRA TACK OR EQUAL MAY BE USED AT RATES RECOMMENDED BY MANUFACTURER.
-WOOD-CELLULOSE FIBER - WOOD-CELLULOSE FIBER BINDER SHALL BE APPLIED AT A NET DRY WEIGHT OF 750 LB./AC. THE WOOD-CELLULOSE FIBER SHALL BE MIXED WITH WATER AND THE MIXTURE SHALL CONTAIN A MAXIMUM OF 50 LB./100 GAL.

TEMPORARY SEEDING SPECIES SELECTION

SEEDIN DATE	SPECIES	LB./1,000 FT^2	PER AC.
MARCH 1 TO AUGUST 15	OATS	3	4 BUSHEL
	TALL FESCUE	1	40 IB.
	ANNUAL RYEGRASS	1	40 IB.
	PERENNIAL RYEGRASS	1	40 IB.
	TALL FESCUE	1	40 IB.
	ANNUAL RYEGRASS	1	40 IB.
AUGUST 16 TO NOVEMBER 1	RYE	3	2 BUSHEL
	TALL FESCUE	1	40 IB.
	ANNUAL RYEGRASS	1	40 IB.
	WHEAT	3	2 BUSHEL
	TALL FESCUE	1	40 IB.
	ANNUAL RYEGRASS	1	40 IB.
	PERENNIAL RYEGRASS	1	40 IB.
	TALL FESCUE	1	40 IB.
	ANNUAL RYEGRASS	1	40 IB.
NOVEMBER 1 TO SPRING SEEDING	USE MULCH ONLY, SODDING PRACTICES OR DORMANT SEEDING.		

NOTE: OTHER APPROVED SEED SPECIES MAY BE SUBSTITUTED.

REVISION	DATE

DRAWN: MWR | CHECKED: BKR | DATE: 08-17-04
SCALE: HOR: N.T.S. VER: N.T.S.

THE JUMBERT CONSTRUCTION CO.
LIONS PARK ALLOTMENT & CONDOMINIUMS
MARION AVE, SPRINGFIELD TOWNSHIP, OHIO

GRADING, SWP3, & CULVERT DETAILS & NOTES

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