

SEDIMENT CONTROL GENERAL NOTES:

1. PRIOR TO CONSTRUCTION THE GENERAL CONTRACTOR SHALL PREPARE DOCUMENTS CONVEYING HIS/HER INTENDED WORK SCHEDULE AND PROPOSED TASK SEQUENCING FOR THE PROJECT. THESE DOCUMENTS SHALL BE SUBMITTED AT THE PRE-CONSTRUCTION MEETING TO THE ENGINEER FOR REVIEW AND APPROVAL, PRIOR TO THE START OF CONSTRUCTION. THE GENERAL CONTRACTOR MUST BE ABLE TO SATISFACTORILY DEMONSTRATE THAT HE/SHE IS CAPABLE OF MEETING ALL EROSION CONTROL REQUIREMENTS ON ALL AREAS OF THE SITE. THE GC WILL ONLY BE ALLOWED TO WORK THE AREA(S) THAT HE/SHE CLEARLY SHOWS THEY CAN ADEQUATELY MEET ALL REQUIREMENTS.

2. THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO ALL APPLICABLE STANDARDS AND SPECIFICATIONS OF THE COMMUNITY DEVELOPMENT DEPARTMENT OF THE CITY OF LENEXA, KANSAS, CURRENT USAGE.

3. ALL WORKMANSHIP AND MATERIALS SHALL BE SUBJECT TO THE INSPECTION AND APPROVAL OF THE CITY OF LENEXA, KANSAS.

4. EXCEPT WHERE NECESSARY TO INSTALL EROSION AND SEDIMENT CONTROL DEVICES, CLEARING ACTIVITIES SHALL NOT BEGIN UNTIL ALL EROSION AND SEDIMENT CONTROL DEVICES HAVE BEEN INSTALLED AND THE SOIL HAS BEEN STABILIZED.

5. THE CONTRACTOR SHALL PROVIDE FOR CONTROL OF SURFACE EROSION AND SEDIMENT DEPOSITION DURING ALL PHASES OF CONSTRUCTION UNTIL THE OWNER ACCEPTS THE WORK AS COMPLETE. THE CONTRACTOR SHALL PROVIDE TEMPORARY SEEDING, BERMS, SILT FENCE, SEDIMENT TRAPS OR OTHER MEANS TO PREVENT SEDIMENT FROM REACHING THE PUBLIC RIGHT-OF-WAY, STREAMS OR ADJACENT PROPERTY. IN THE EVENT THE PREVENTION MEASURES ARE NOT EFFECTIVE, THE CONTRACTOR SHALL REMOVE ANY DEBRIS SEDIMENT AND RESTORE THE RIGHT-OF-WAY AND ADJACENT PROPERTY TO ITS ORIGINAL OR BETTER CONDITION.

6. CONTRACTOR IS RESPONSIBLE FOR KEEPING ALL PUBLIC ROADWAYS ADJACENT TO THE CONSTRUCTION SITE FREE OF DIRT AND DEBRIS RESULTING FROM ACTIVITIES RELATED TO THE CONSTRUCTION OF THIS PROJECT.

7. CONTRACTOR SHALL KEEP THE ENTIRE PROJECT SITE FREE OF DEBRIS AND TRASH AT ALL TIMES. CONTRACTOR SHALL EXECUTE WORK USING METHODS THAT MINIMIZE EXCESSIVE NOISE OR DUST EMISSIONS. CONTRACTOR SHALL PROVIDE METHODS, MEANS AND FACILITIES TO PREVENT CONTAMINATION OF SOIL OR WATER FROM DISCHARGE OF POTENTIAL CONSTRUCTION SITE POLLUTANTS (I.E., DIESEL FUEL, PORT-A-POTTY WASTE, PAINTS, ETC.)

8. AREAS ARE NOTED ON THE PLAN SHEETS FOR STOCKPILING OF MATERIALS. THE SLOPES IN THESE AREAS SHALL BE GRADED SUCH THAT THEY DO NOT EXCEED 3:1, SILT FENCE SHALL BE INSTALLED COMPLETELY AROUND THE PERIMETER OF THE AREAS AND THE AREAS SHALL BE SEEDDED WITHIN 14 DAYS ONCE CONSTRUCTION ACTIVITIES ON THEM CEASE.

9. THE CONTRACTOR SHALL ERECT AND MAINTAIN THROUGHOUT CONSTRUCTION, ORANGE COLORED TEMPORARY CONSTRUCTION FENCE AROUND ALL AREAS INDICATED ON THE PLANS TO BE LEFT UNDISTURBED. PRIOR TO ACTUAL FENCE INSTALLATION, CONTRACTOR SHALL STAKE FENCE LOCATION IN THE FIELD FOR REVIEW BY OWNER. THE FENCE MATERIAL SHALL BE 48" IN HEIGHT AND MADE OF HIGH DENSITY POLYETHYLENE PLASTIC WITH A NOMINAL MESH OPENING SIZE OF 1.25 INCHES (X) 1.25 INCHES.

10. NO CONSTRUCTION EQUIPMENT, CONSTRUCTION MATERIALS OR PERSONAL VEHICLES MAY BE PARKED OR STORED INSIDE THE UNDISTURBED AREAS. ALSO THE CONTRACTOR SHALL INSTALL SEDIMENT CONTROL TO PREVENT SEDIMENT FROM ACCUMULATING INSIDE THE UNDISTURBED AREAS.

11. PRIOR TO INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY EROSION CONTROL SHALL BE COMPLETED ON ALL PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES GREATER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1); EMBANKMENTS OF PONDS, BASINS, AND TRAPS.

12. SEDIMENT CONTROL SHALL BE COMPLETED WITHIN FOURTEEN (14) CALENDAR DAYS ON ALL OTHER DISTURBED OR GRADED AREAS. THIS REQUIREMENT DOES NOT APPLY TO THOSE AREAS THAT ARE SHOWN ON THE PLANS THAT ARE CURRENTLY BEING USED FOR MATERIAL STORAGE OR FOR THOSE AREAS, WHICH ACTUAL CONSTRUCTION ACTIVITIES ARE CURRENTLY BEING PERFORMED.

13. THE CONTRACTOR SHALL REQUEST THE CITY TO INSPECT AND APPROVE THE SEDIMENT CONTROL MEASURES UPON THE COMPLETION OF VARIOUS STAGES OF THE WORK. REQUESTS FOR INSPECTION SHALL BE MADE AT LEAST TWENTY-FOUR (24) HOURS IN ADVANCE (EXCLUSIVE OF SATURDAYS, SUNDAYS, AND HOLIDAYS) OF THE TIME THE INSPECTION IS DESIRED. THE CONTRACTOR SHALL OBTAIN WRITTEN NOTIFICATION OF THE CITY'S APPROVAL AT THE END OF THE FOLLOWING STAGES OF THE CONSTRUCTION:

A. UPON INSTALLATION OF THE PERIMETER EROSION AND SEDIMENT CONTROLS NOTED IN PHASE A OF THE WORK. THE CITY'S INSPECTION SHALL TAKE PLACE BEFORE PROCEEDING WITH ANY OTHER LAND DISTURBANCE ACTIVITY.

B. DURING THE CONSTRUCTION OF SEDIMENT BASINS OR STORMWATER MANAGEMENT STRUCTURES.

C. AT SPECIAL INSPECTION POINTS NOTED ON THE CONSTRUCTION PERMIT.

D. PRIOR TO REMOVAL OR SUBSTANTIAL MODIFICATION OF ANY EROSION AND SEDIMENT CONTROL MEASURE.

E. UPON COMPLETION OF FINAL GRADING OPERATIONS.

F. UPON ESTABLISHMENT OF GROUND COVERS.

14. THE CONTRACTOR SHALL PREPARE AND FOLLOW A PHASED METHOD OF CONSTRUCTION GRADING TO MINIMIZE THE AMOUNT OF EXPOSED BARE GROUND AT ANY ONE TIME. THE CONTRACTOR SHALL STABILIZE DISTURBED AREAS WITH TEMPORARY SEEDING AND RECEIVE APPROVAL FROM THE CITY BEFORE CONTINUING TO DISTURB ADDITIONAL AREAS.

15. FOLLOWING STRIPPING OPERATIONS, THE CONTRACTOR SHALL REMOVE EXISTING TOPSOIL AND STOCKPILE THE MATERIAL IN AN APPROVED AREA. STOCKPILES SHALL BE STABILIZED BY TEMPORARY SEEDING AND ENCIRCLED WITH SILT FENCE.

16. CONTRACTOR MUST INSTALL AND MAINTAIN THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THESE PLANS. IF THE ENGINEER DETERMINES THAT THE INSTALLATION OR THE MAINTENANCE IS INADEQUATE, THE CONTRACTOR MUST IMMEDIATELY CORRECT AT HIS EXPENSE. IF IT IS DETERMINED THAT ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES ARE NEEDED THE CONTRACTOR WILL BE DIRECTED TO INSTALL AND MAINTAIN THOSE MEASURES.

17. FOLLOWING THE FINAL REMOVAL OF ALL EROSION CONTROL MEASURES THE CONTRACTOR SHALL RE-GRADE AND RE-SEED ALL AREAS THAT WERE DISTURBED BY THE REMOVAL.

18. THE CONTRACTOR SHALL INSPECT THE LAND DISTURBANCE SITE AT LEAST ONCE EVERY SEVEN (7) DAYS AND WITHIN TWENTY-FOUR (24) HOURS FOLLOWING EACH RAINFALL EVENT OF 1/2" OR MORE WITHIN ANY TWENTY-FOUR (24) HOUR PERIOD. THE CONTRACTOR SHALL ALSO INSPECT AND ASSURE THAT ALL SEDIMENT CONTROL DEVICES ARE IN WORKING CONDITION PRIOR TO ANY FORECASTED RAINFALL.

19. THE CONTRACTOR SHALL REMOVE SEDIMENT FROM THE FLOW AREAS AND MAKE ALL NECESSARY REPAIRS TO MAINTAIN THE INTEGRITY OF THE SEDIMENT CONTROL MEASURES. SEDIMENT SHALL BE REMOVED ONCE IT REACHES 1/2 THE INSTALLED HEIGHT OF MEASURE.

20. SEDIMENT CONTROL MEASURES SHALL BE REMOVED ONCE 70 PERCENT OF THE PERMANENT COVER IS ESTABLISHED OVER 100 PERCENT OF THE TRIBUTARY AREA.

21. SOME OF THE EROSION AND SEDIMENT CONTROL MEASURES, SUCH AS DIVERSION DIKES AND SEDIMENT TRAPS, WILL REQUIRE THE CONTRACTOR TO INSTALL, REMOVE, AND REINSTALL THE MEASURES AS CONSTRUCTION PROCEEDS. THE PHASING OF THIS WORK IS DEPENDENT ENTIRELY ON THE CONTRACTOR'S SCHEDULE, AND IS NOT SPECIFIED HEREIN. HOWEVER, THE CONTRACTOR SHALL COORDINATE THESE ACTIONS WITH THE ENGINEER AT THE TIMES ADJUSTMENTS ARE NEEDED.

22. STONE STABILIZED PADS SHALL BE CONSTRUCTED AT THE LOCATIONS SHOWN ON THE PLANS WHERE CONSTRUCTION AND PRIVATE VEHICULAR TRAFFIC WILL BE ALLOWED TO ENTER AND EXIT THE CONSTRUCTION SITE. CONSTRUCTION EQUIPMENT (INCLUDING PERSONAL VEHICLES) ARE NOT ALLOWED TO EXIT THE SITE DIRECTLY ONTO ARTERIAL OR COLLECTOR STREETS. ALL VEHICLES/CONSTRUCTION EQUIPMENT MUST USE THE STABILIZED CONSTRUCTION ENTRANCES SHOWN ON THE PLANS.

23. CONSTRUCTION ENTRANCES SHALL BE CONSTRUCTED PER THE CITY STANDARD DETAIL.

24. THE CONTRACTOR SHALL TEMPORARILY SEED AND MULCH ALL DISTURBED AREAS IF THERE HAS BEEN NO CONSTRUCTION ACTIVITY ON THEM FOR A PERIOD OF 14 CALENDAR DAYS. IF THE ENGINEER DETERMINES THAT A SITE HAS A HIGH POTENTIAL FOR EROSION BASED ON PREVIOUS INFORMATION SUBMITTED, HE MAY DIRECT THAT DISTURBED SOIL BE STABILIZED AFTER PERIODS OF CONSTRUCTION INACTIVITY OF MORE THAN FORTY- EIGHT (48) HOURS.

25. THE CONTRACTOR SHALL SEED OR HYDRO SEED IN ACCORDANCE WITH CITY SPECIFICATION FOR SEEDING AND/OR HYDROSEEDING

SEED MIXTURE TO BE AS FOLLOWS:

50% REGREEN STERILE WHEAT APPLICATION RATE:
50% ANNUAL RYE TOTAL SEED MIX 400LBS./ACRE

MULCH MUST BE HAY, BROME GRASS, OR STRAW APPLIED AT A RATE OF 2 TONS PER ACRE AND CRIMPED INTO THE SOIL WITH A WEIGHTED NOTCHED DISC OR A MULCH ANCHORING TOOL TO PUNCH THE MULCH INTO THE SOIL, OR OTHER APPROVED METHOD. THE SEEDDED AREAS SHALL BE INSPECTED BY THE ENGINEER TWO TO FOUR WEEKS AFTER SEEDING FOR ADEQUATE SEED GERMINATION, EROSION CONTROL AND WEED CONTROL. REPAIRS AND RESEEDING SHALL BE PERFORMED BY THE CONTRACTOR AT THE DIRECTION OF THE ENGINEER AT NO ADDITIONAL COST TO THE CITY. IF VEGETATIVE MEASURES ARE NOT EFFECTIVE WITHIN THIS TIME FRAME, CONTRACTOR MAY BE REQUIRED TO RESEED OR EMPLOY A NON-VEGETATIVE OPTION TO STABILIZE THE DISTURBED AREA.

26. IF SEEDING AND MULCH IS NOT EFFECTIVE, ADDITIONAL MULCH SHALL BE UNIFORMLY APPLIED AT A RATE OF 2 TONS PER ACRE AS SPECIFIED IN NOTE 25.

27. ALL SITES REMAINING UNDEVELOPED FOR MORE THAN ONE GROWING SEASON MUST INCLUDE PERMANENT SEED VEGETATIVE STABILIZATION. PERMANENT SEED MIXTURE SHALL BE PER CITY OF LENEXA TECHNICAL SPECIFICATION S-715, AS SHOWN BELOW, UNLESS OTHERWISE NOTED IN PLANS AND APPROVED BY CITY.

MINIMUM 20% EACH OF ANY 4 VARIETIES OF TURF TYPE FINE LEAF FESCUE.
TOTAL APPLICATION RATE SHALL BE 8 POUNDS/1000 SQUARE FEET.
MINIMUM 10% EACH OF PERENNIAL RYE
TOTAL APPLICATION RATE SHALL BE 1 POUND/1000 SQUARE FEET.

28. ALL AREAS OF CONCENTRATED FLOW OR POINT DISCHARGE SHALL BE DIRECTED TO A SEDIMENT BASIN OR SEDIMENT TRAP BEFORE LEAVING THE SITE. SEDIMENT BASINS SHALL BE USED FOR DRAINAGE AREAS OVER 5 ACRES AND SEDIMENT TRAPS MAY BE USED FOR SMALLER DRAINAGE AREAS.

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EROSION & SEDIMENT CONTROL NOTES		SHEET D-500