



1 SECTION 1-1
SCALE: NTS

PLANT MATERIAL LIST			
COMMON NAME	BOTANICAL NAME	TYPE	NOTES
SLOPE MIX (BERM & SLOPE MIX AREA) (20 LBS./ PLS/ AC)			
BUTTERFLY MILKWEED	ASCLEPIAS TUBEROSA	SEED MIX	PLACE ON SLOPES
SIDE OATS GRAMMA	BOUTELOUA CUTIPENDULA	SEED MIX	PLACE ON SLOPES
BLUE GRAMMA RASS	BOUTELOUA GRACILIS	SEED MIX	PLACE ON SLOPES
BUFFALO GRASS	BUCHLOE DATYLOIDES	SEED MIX	PLACE ON SLOPES
PURPLE POPPY MALLOW	CALLIRHOE INVOLUCRATA	SEED MIX	PLACE ON SLOPES
SAND COREOPSIS	COREOPSIS LANCEOLATA	SEED MIX	PLACE ON SLOPES
PLAINS COREOPSIS	COREOPSIS TINCTORA	SEED MIX	PLACE ON SLOPES
PURPLE PRAIRIE CLOVER	DALEA PURPUREA	SEED MIX	PLACE ON SLOPES
PALE PURPLE CONEFLOWER	ECHINACEA PALLID	SEED MIX	PLACE ON SLOPES
CANADA WILD RYE	ELYMUS CANADENSIS	SEED MIX	PLACE ON SLOPES
RATTLESNAKE MASTER	ERYNGIUM YUCCIFOLIUM	SEED MIX	PLACE ON SLOPES
JUNE GRASS	KOELERIA MACRANTHA	SEED MIX	PLACE ON SLOPES
ROUGH BLAZING STAR	LIATRIS ASPERA	SEED MIX	PLACE ON SLOPES
DOTTED GAYFEATHER	LIATRIS PUNCTATA	SEED MIX	PLACE ON SLOPES
SWITCHGRASS	PANICUM VIRGATUM	SEED MIX	PLACE ON SLOPES
BEARDTONGUE	PENSTEMON DIGITALIS	SEED MIX	PLACE ON SLOPES
UPRIGHT CONEFLOWER	RATIBA COLUMNIFERA	SEED MIX	PLACE ON SLOPES
BLACK EYED SUSAN	RUDBECKIA HIRTA	SEED MIX	PLACE ON SLOPES
BLUE SAGE	SALVIA AZURA	SEED MIX	PLACE ON SLOPES
LITTLE BLUESTEM	SCHIZACHYRIUM SCOPARIUM	SEED MIX	PLACE ON SLOPES
PRAIRIE DROPSEED	SPOROBOLUS HETEROLEPSIS	SEED MIX	PLACE ON SLOPES
OHIO SPIDERWORT	TRADESCANTIA OHIENSIS	SEED MIX	PLACE ON SLOPES
INDIANGRASS	SORGHASTRUM NUTANS	SEED MIX	PLACE ON SLOPES
SAND LOVEGRASS	ERAGOSTIS TRICHODES	SEED MIX	PLACE ON SLOPES

NATIVE SEED MIXES SHALL BE OBTAINED THROUGH TAYLOR CREEK RESTORATION NURSERIES, APPLIED ECOLOGICAL SERVICES, INC. 1269 N. 22ND RD., BALDWIN CITY, KS 66006 ATTN. NATASHA THOMAS-NORTH (P) 785-766-6917 OR APPROVED EQUAL. PLANT AND SEED SUPPLIER SHALL DETERMINE LIVE PLANT QUANTITY SPLIT AND SEED MIX RATIOS AND RATES FROM THE PLANT MATERIAL LIST.

INSTALL ADDITIONAL* STOCKS 'PIONEER WILDFLOWER MIX' 10 PLS (pure live seed)/ LBS./ AC. IN ALL SLOPE MIX AND DESIGNATED AREAS. COST SUBSIDIARY TO SLOPE MIX.

* MIX IS AVAILABLE THROUGH STOCKS SEED FARMS, MURDOCK, NE 1-800-759-1520

GENERAL NOTES

- CONTRACTOR SHALL MAKE THEMSELVES FAMILIAR WITH ALL APPLICABLE SPECIFICATIONS RELATED TO THE NATIVE GRASS, WILDFLOWER INSTALLATION ALONG THE POND SLOPE.
- LANDSCAPE CONTRACTOR IS TO VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES (INCLUDING THOSE INDICATED ON THE PLAN) PRIOR TO INSTALLATION OF PLANT MATERIAL. UTILITIES CAN BE FLAGGED BY CALLING 811 OR 1-800-344-7233, OR ONLINE AT WWW.KANSASONECALL.COM. DAMAGE TO UTILITIES SHALL BE AVOIDED DURING THE COURSE OF WORK. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY AND ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC. WHICH OCCUR AS A RESULT OF THE LANDSCAPE CONSTRUCTION OPERATIONS.
- LANDSCAPE CONTRACTOR SHALL COORDINATE WITH THE MASS GRADING CONTRACTOR TO INSURE THEY THOROUGHLY PREPARE THE TOP SOIL LAYER FOR LANDSCAPE MATERIAL INSTALLATION.
- ALL SEED MIXES SHALL BE SUBMITTED TO DESIGN ENGINEER FOR REVIEW AT LEAST ONE MONTH PRIOR TO INSTALLATION.

NATIVE GRASS & WILDFLOWER INSTALLATION

- SEEDBED PREPARATION:
ONCE TOPSOIL HAS BEEN PLACED, DISC/SCARIFY SOIL PRIOR TO SEEDING UNLESS SEEDING INTO INTENTIONALLY PLANTED COVER CROP.
- IT IS INTENDED A COVER CROP BE PLANTED IN ALL DISTURBED AREAS WHEN THE CALENDAR IS OUTSIDE OF THE NATIVE SEEDING DATES. THIS INCLUDES ALL NATIVE SEEDING AREAS (COST FOR COVER CROP WITHIN NATIVE SEEDING AREAS SHALL BE SUBSIDIARY TO NATIVE SEED ITEMS). REFER TO EROSION CONTROL & SEEDING PLAN NOTES.
- SEEDING METHOD:
SEED PLACEMENT IS IMPORTANT AND SHOULD BE PLANTED NO MORE THAN 1/4" DEEP. TO ENSURE ACCURATE PLACEMENT OF SEED IT IS PREFERRED THAT SEED IS PLACED WITH A 'SEED DRILL' OR 'NO-TILL DRILL'. WHEN THIS METHOD IS NOT PRACTICAL THE SEED BED CAN BE PREPARED WITH A CULTIPACKER THEN BROADCAST SEED AND ROLL AGAIN. NOTE: A CULTIPACKER IS A SEGMENTED ROLLER THAT PREPARES THE SEEDBED THEN SLIGHTLY COMPACT THE SOIL AFTER SEEDING.
- SEEDING RATES:
ALL SEED SHOULD BE PLACED AT A UNIFORM RATE OVER THE DELINEATED AREA AT THE SPECIFIED SEEDING RATE.
- SEEDING DATES:
PLANT SEED BETWEEN MARCH 25TH AND APRIL 10TH (PREFERRED) BETWEEN FEBRUARY 15TH AND MAY 1ST (ACCEPTABLE); OR AS APPROVED BY THE LANDSCAPE ARCHITECT THROUGH COORDINATION WITH THE CONTRACTOR.
- FERTILIZING:
GENERALLY FERTILIZING IS NOT REQUIRED OR RECOMMENDED FOR NATIVE GRASS OR WILDFLOWER ESTABLISHMENT AS IT WOULD PROMOTE WEED GROWTH. IN THIS INSTANCE HOWEVER, ALL WEEDS SHOULD BE KILLED PRIOR TO PLANTING. THE ONE TIME APPLICATION OF A GRANULAR FERTILIZER IS RECOMMENDED DURING ESTABLISHMENT.
- WATERING (BY OTHERS):
DURING THE ESTABLISHMENT PHASE, SUPPLEMENTAL WATERING (ONCE A WEEK) FOR 4 TO 6 WEEKS MAY BE REQUIRED TO ENSURE SEED GERMINATION; THEN GRADUALLY REDUCE WATERING. A TEMPORARY IRRIGATION SYSTEM SHALL BE UTILIZED FOR INITIAL PLANT ESTABLISHMENT IF NECESSARY. ADDITIONAL WATERING WILL BE REQUIRED DURING TIMES OF PROLONGED DRY WEATHER IN THE FIRST 2 - 3 GROWING SEASONS.
- MANAGEMENT DURING ESTABLISHMENT (BY OTHERS):
WEED CONTROL IS NECESSARY IN NEW SEEDING TO REDUCE COMPETITION FOR MOISTURE, NUTRIENTS AND SUNLIGHT. HERBICIDES ARE NOT RECOMMENDED, AS THEY WILL HARM THE WILDFLOWER STAND. IF NECESSARY, HERBICIDES MAY BE APPLIED USING A WICK APPLICATOR. MOWING DURING THE FIRST YEAR OF ESTABLISHMENT IS THE MOST APPROPRIATE METHOD TO REDUCE WEED POPULATIONS. MOWING MUST TAKE PLACE BEFORE THE WEEDY PLANTS PRODUCE SEED. WEEDS SHALL BE MOWED BEFORE THEY ARE 6" TALL; AS MUCH OF THE WEED SHOULD BE CUT AS POSSIBLE WITHOUT REMOVING TOO MUCH OF THE NEW GROWTH OF NATIVE GRASSES.
- TRASH AND DEBRIS REMOVAL:
THE BMP AREA SHOULD BE INSPECTED FOLLOWING MAJOR STORMS AND ON A REGULAR MONTHLY SCHEDULE. ANY TRASH OR DEBRIS SHOULD BE REMOVED AS SOON AS IT IS FOUND TO PREVENT PLANTS FROM BEING SMOTHERED. REGULARLY REMOVING TRASH AND DEBRIS WILL MAINTAIN AESTHETICS OF THE FEATURE. ALL TRASH AND DEBRIS SHOULD BE DISPOSED OF PROPERLY.
- VEGETATION (BY OTHERS):
REVIEW AND INSPECT VEGETATION WITHIN THE PLANTING AREA ON A MONTHLY BASIS DURING THE SPRING AND SUMMER MONTHS. INSPECTION SHOULD BE PERFORMED TO DETERMINE HEALTH AND TO IDENTIFY WEEDS AND INVASIVE SPECIES. INSPECTIONS SHOULD BE PERFORMED BY A PERSON TRAINED IN PLANT IDENTIFICATION AND CHARACTERISTICS. VEGETATION SHOULD ONLY INCLUDE PLANT SPECIES AS IDENTIFIED IN THE SEED MIX SPECIFIED. ALL OTHER PLANT SPECIES NOT IDENTIFIED IN SEED MIX ARE TO BE REMOVED DURING MAINTENANCE.
- FALL AND WINTER MANAGEMENT (BY OTHERS):
SEEDED AREAS SHOULD BE MOWED FOLLOWING A HARD FREEZE AND AFTER PLANTS HAVE ESTABLISHED SEEDS. IF MOWING IS USED IT SHOULD BE A TWO STEP PROCESS. MOW SITE AND THEN REMOVE TOP GROWTH. TOP GROWTH MAY BE REMOVED BY RAKING, BALING OR MOWING WITH A BAGGER BUT A LAWN VACUUM SHOULD NOT BE USED.
- SATISFACTORY NATIVE STAND:
WITHIN ONE FULL GROWING SEASON AND AT THE END OF THE MAINTENANCE PERIOD, A HEALTHY, WELL-ROOTED, VIABLE NATIVE STAND SHALL BE ESTABLISHED, FREE OF BARE AREAS GREATER THAN TWO SQUARE FEET IN SIZE AND FREE OF BROADER AREAS FAILING TO ACHIEVE 85% DESIRABLE PLANT COVERAGE.
- REESTABLISH NATIVE STANDS THAT DO NOT COMPLY WITH REQUIREMENTS AND CONTINUE MAINTENANCE UNTIL NATIVE STANDS ARE SATISFACTORY.

MAINTENANCE

ESTABLISHMENT (BY OTHERS)

- FERTILIZING:
GENERALLY FERTILIZING IS NOT REQUIRED OR RECOMMENDED FOR NATIVE GRASS OR WILDFLOWER ESTABLISHMENT AS IT WOULD PROMOTE WEED GROWTH. NO ADDITIONAL FERTILIZING IS NECESSARY.
- WATERING:
DURING THE ESTABLISHMENT PHASE, SUPPLEMENTAL WATERING (ONCE A WEEK) FOR 4 TO 6 WEEKS MAY BE REQUIRED TO ESTABLISHMENT; THEN GRADUALLY REDUCE WATERING. A TEMPORARY IRRIGATION SYSTEM SHALL BE UTILIZED FOR INITIAL PLANT ESTABLISHMENT IF NECESSARY. ADDITIONAL WATERING WILL BE REQUIRED DURING TIMES OF PROLONGED DRY WEATHER IN THE FIRST 2 - 3 GROWING SEASONS.
- MANAGEMENT DURING ESTABLISHMENT:
WEED CONTROL IS NECESSARY IN RAIN GARDENS TO REDUCE COMPETITION FOR MOISTURE, NUTRIENTS AND SUNLIGHT. HERBICIDES ARE NOT RECOMMENDED, AS THEY WILL HARM THE WILDFLOWER STAND. IF NECESSARY, HERBICIDES MAY BE APPLIED USING A WICK APPLICATOR.
- TRASH AND DEBRIS REMOVAL:
THE BMP AREA SHOULD BE INSPECTED FOLLOWING MAJOR STORMS AND ON A REGULAR MONTHLY SCHEDULE. ANY TRASH OR DEBRIS SHOULD BE REMOVED AS SOON AS IT IS FOUND TO PREVENT PLANTS FROM BEING SMOTHERED. REGULARLY REMOVING TRASH AND DEBRIS WILL MAINTAIN AESTHETICS OF THE FEATURE. ALL TRASH AND DEBRIS SHOULD BE DISPOSED OF PROPERLY.
- VEGETATION
REVIEW AND INSPECT VEGETATION WITHIN THE PLANTING AREA ON A MONTHLY BASIS DURING THE SPRING AND SUMMER MONTHS. INSPECTION SHOULD BE PERFORMED TO DETERMINE HEALTH AND TO IDENTIFY WEEDS AND INVASIVE SPECIES. INSPECTIONS SHOULD BE PERFORMED BY A PERSON TRAINED IN PLANT IDENTIFICATION AND CHARACTERISTICS. VEGETATION SHOULD ONLY INCLUDE PLANT SPECIES AS IDENTIFIED ON THE LANDSCAPE PLAN CONSTRUCTION DOCUMENTATION. ALL OTHER PLANT SPECIES NOT IDENTIFIED IN THE PLANT LIST ARE TO BE REMOVED (BY HAND) DURING MAINTENANCE.
- FALL AND WINTER MANAGEMENT
AREAS SHOULD BE MOWED FOLLOWING A HARD FREEZE AND AFTER PLANTS HAVE ESTABLISHED SEEDS. IF MOWING IS USED IT SHOULD BE A TWO STEP PROCESS. MOW SITE AND THEN REMOVE TOP GROWTH. TOP GROWTH MAY BE REMOVED BY RAKING, BALING OR MOWING WITH A BAGGER BUT A LAWN VACUUM SHOULD NOT BE USED.

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SEEDING DETAILS

PROJECT NO. 468-85318

DATE APRIL 2018

SCALE NTS

DESIGNED DRAWN CHECKED
SPE MKB SPE

NO.	REVISION	DATE

SHEET NO.