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# Construction Notes & Specifications

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# Crystal Creek Realignment

Algonquin, Illinois  
Village of Algonquin  
125 Wilbrandt Street  
Algonquin, Illinois 60102

Revisions:			
No.	By	Date	Description
1		02-26-10	Final AES review for ACOE submittal
2		05-28-10	ACOE & MCDWCD Comments
3		05-16-11	ACOE permit submittal
4			
5			
6			
7			

Sheet Number  
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## COVER CROP SEEDING

- 3.3 INSPECTION**  
A. AFTER COMPLETION OF SOIL PREPARATION, THE CONTRACTOR SHALL SCHEDULE WITH THE OWNER A FINAL ACCEPTANCE INSPECTION OF SOIL PREPARATION.
- 3.4 ACCEPTANCE**  
A. FINAL ACCEPTANCE: THIS PORTION OF THE WORK SHALL BE CONSIDERED 100% COMPLETE AFTER THE CONTRACTOR HAS COMPLETED SOIL PREPARATION AND COMPLETED ALL REQUIRED CLEAN UP AS DESCRIBED IN 3.2 OF THIS SECTION.
- PART 1. GENERAL**
- 1.1 DESCRIPTION**  
A. THIS SECTION INCLUDES INSTALLATION OF COVER CROP SEED IN ANY AREA OF DISTURBED SOIL, INCLUDING TEMPORARY CONSTRUCTION ACCESS AND CONSTRUCTION TRAFFIC AREAS, IMMEDIATELY FOLLOWING THE DISTURBANCE AND PRIOR TO SEEDING.
- 1.2 RELATED SECTIONS**  
A. SOIL PREPARATION AND SEEDING.
- 1.3 QUALITY ASSURANCE**  
A. QUALIFICATIONS OF WORKMEN: PROVIDE AT LEAST ONE PERSON WHO SHALL BE PRESENT AT ALL TIMES DURING EXECUTION OF THIS PORTION OF THE WORK WHO SHALL BE THOROUGHLY FAMILIAR WITH THE TYPE AND OPERATION OF EQUIPMENT BEING USED. SAID PERSON SHALL DIRECT ALL WORK PERFORMED UNDER THIS SECTION.  
B. STANDARDS: ALL MATERIALS AND METHODS USED DURING THIS PORTION OF THE WORK SHALL MEET OR EXCEED APPLICABLE FEDERAL, STATE, COUNTY AND LOCAL LAWS AND REGULATIONS. ALL SEED SHALL BE FREE FROM INSECTS AND DISEASE. SPECIES SHALL BE TRUE TO THEIR SCIENTIFIC NAME AS SPECIFIED.
- 1.4 SUBMITTALS**  
A. MATERIALS: THE CONTRACTOR SHALL SUBMIT TO THE OWNER FOR APPROVAL A COMPLETE LIST OF ALL MATERIALS TO BE USED DURING THIS PORTION OF THE WORK PRIOR TO DELIVERY OF ANY MATERIALS TO THE SITE. INCLUDE COMPLETE DATA ON SOURCE, AMOUNT AND QUALITY. THIS SUBMITTAL SHALL IN NO WAY BE CONSTRUED AS PERMITTING SUBSTITUTION FOR SPECIFIC ITEMS DESCRIBED ON THE PLANS OR IN THESE SPECIFICATIONS UNLESS APPROVED IN WRITING BY THE OWNER.  
B. EQUIPMENT: THE CONTRACTOR SHALL PROVIDE A LIST OF EQUIPMENT AND A DESCRIPTION AND LOCATION OF ITS INTENDED USE, AND A LIST OF SAID PERSONS PERFORMING THE WORK AND THEIR QUALIFICATIONS FOR OPERATING AND MAINTAINING THE LISTED EQUIPMENT.
- PART 2. PRODUCTS**
- 2.1 MATERIALS**  
A. ALL GRASS SPECIES SHALL BE SUPPLIED AS PURE LIVE SEED.  
B. STRAW OR HAY FOR EROSION CONTROL SHALL BE CLEAN, SEED-FREE HAY OR THRESHED STRAW OF WHEAT, RYE, OATS, OR BARLEY.
- PART 3. EXECUTION**
- 3.1 METHOD**  
A. IF PLANTED IN SPRING, SEEDS SHALL HAVE PROPER STRATIFICATION AND/OR SCARIFICATION TO BREAK SEED DORMANCY.  
B. SEEDING SHALL BE PREFERENTIALLY INSTALLED WITH A RANGELAND TYPE GRAM DRILL OR NO-TILL PLANTER, SUCH AS BY TRIAX, OR EQUIVALENT AS APPROVED IN WRITING BY THE OWNER.  
C. IF SOIL IS TOO WET OR GRADE IS TOO STEEP TO INSTALL SEED AS DESCRIBED IN 3.1B, A MECHANICAL BROADCAST SEEDER, SUCH AS BY CYCLONE, SHALL BE USED. HAND BROADCASTING OF SEED MAY ALSO BE EMPLOYED, WITHIN 24 HOURS, OR AS SOON AS SITE CONDITIONS PERMIT. BROADCAST SEEDING AREAS SHALL BE ROLLED, BUT SOIL SHALL BE LIGHTLY TILLED BEFOREHAND.  
D. STRIP 2,000 POUNDS PER ACRE OF STRAW FOR EROSION CONTROL ONTO SLOPES GREATER THAN ONE FOOT HORIZONTAL TO FIVE FOOT VERTICAL (1:5) IMMEDIATELY FOLLOWING SEEDING.  
E. IF AREA TO BE SEEDING WAS TREATED WITH HERBICIDE, SEEDING SHALL OCCUR NO LESS THAN 14 DAYS AFTER HERBICIDE APPLICATION.  
F. COVER CROP SHALL NOT BE INSTALLED WITHIN AREAS DESIGNATED FOR TURF GRASS.
- 3.2 CLEAN UP, REMOVAL AND REPAIR**  
A. CLEAN UP: THE WORK AREA SHALL BE KEPT FREE OF DEBRIS BY THE CONTRACTOR. AT NO TIME SHALL TRASH OR OTHER MATERIAL BE ALLOWED TO ACCUMULATE AT THE PROJECT SITE. ALL TOOLS SHALL BE KEPT IN APPROPRIATE CARRYING GASES, TOOL BOXES, ETC. PARKING AREAS, ROADS, SIDEWALKS, PATHS, TRAILS, AND PAVED AREAS SHALL BE KEPT FREE OF MUD AND DIRT.  
B. REMOVAL: AFTER WORK HAS BEEN COMPLETED REMOVE TOOLS AND ALL OTHER DEBRIS GENERATED BY THE CONTRACTOR.  
C. REPAIR: THE CONTRACTOR SHALL REPAIR ANY DAMAGES THAT OCCURRED DURING COMPLETION OF THE WORK DESCRIBED IN THIS SECTION. SAID DAMAGES MAY INCLUDE, BUT ARE NOT LIMITED TO, TIRE RUTS IN THE GROUND, DAMAGE TO PLANTED AREAS, DAMAGE TO TRAILS, ETC. ALL AREAS DAMAGED BY THE CONTRACTOR DURING THE EXECUTION OF THIS WORK SHALL BE REPAIRED BY CONTRACTOR AND RESTORED TO THE CONDITIONS SHOWN ON THE PLANS AT NO ADDITIONAL COST TO THE OWNER. ALL AREAS OUTSIDE OF THE CONSTRUCTION LIMITS DISTURBED BY CONSTRUCTION SHALL BE RESTORED TO PRE-CONSTRUCTION GRADES AND STABILIZED WITH APPROPRIATE SEED OR PLANTINGS.
- 3.3 INSPECTION**  
A. AFTER COMPLETION OF SEEDING, THE CONTRACTOR SHALL SCHEDULE WITH OWNER A PROVISIONAL ACCEPTANCE INSPECTION OF THE WORK.
- 3.4 ACCEPTANCE AND GUARANTEE**  
A. PROVISIONAL ACCEPTANCE: THE WORK SHALL BE CONSIDERED 90% COMPLETE AFTER ALL COVER CROP SEED HAS BEEN INSTALLED, AND THE CONTRACTOR HAS COMPLETED ALL REQUIRED CLEAN UP, REMOVAL AND REPAIR AS DESCRIBED IN 3.2 OF THIS SECTION.  
B. FINAL ACCEPTANCE: THE WORK SHALL BE CONSIDERED 100% COMPLETE AFTER THE CONTRACTOR HAS MET OR EXCEEDED THE PERFORMANCE STANDARDS GIVEN IN 3.4C OF THIS SECTION.  
C. THE CONTRACTOR SHALL GUARANTEE SEEDING AREAS WILL MEET OR EXCEED THE FOLLOWING PERFORMANCE CRITERIA: 80% PLANT COVER WITHIN 3 MONTHS OF SEEDING.

## SEEDING

- PART 1. GENERAL**
- 1.1 DESCRIPTION**  
A. THIS SECTION INCLUDES INSTALLATION OF SEED IN ALL DESIGNATED AREAS.
- 1.2 RELATED SECTIONS**  
A. SOIL PREPARATION AND COVER CROP SEEDING.
- 1.3 QUALITY ASSURANCE**  
A. QUALIFICATIONS OF WORKMEN: PROVIDE AT LEAST ONE PERSON WHO SHALL BE PRESENT AT ALL TIMES DURING EXECUTION OF THIS PORTION OF THE WORK WHO SHALL BE THOROUGHLY FAMILIAR WITH THE TYPE AND OPERATION OF EQUIPMENT BEING USED. SAID PERSON SHALL DIRECT ALL WORK PERFORMED UNDER THIS SECTION.  
B. STANDARDS: ALL MATERIALS AND METHODS USED DURING THIS PORTION OF THE WORK SHALL MEET OR EXCEED APPLICABLE FEDERAL, STATE, COUNTY AND LOCAL LAWS AND REGULATIONS. ALL SEED SHALL BE FREE FROM INSECTS AND DISEASE. SPECIES SHALL BE TRUE TO THEIR SCIENTIFIC NAME AS SPECIFIED.
- 1.4 SUBMITTALS**  
A. MATERIALS: THE CONTRACTOR SHALL SUBMIT TO THE OWNER FOR APPROVAL A COMPLETE LIST OF ALL MATERIALS TO BE USED DURING THIS PORTION OF THE WORK PRIOR TO DELIVERY OF ANY MATERIALS TO THE SITE. INCLUDE COMPLETE DATA ON SOURCE, AMOUNT AND QUALITY. THIS SUBMITTAL SHALL IN NO WAY BE CONSTRUED AS PERMITTING SUBSTITUTION FOR SPECIFIC ITEMS DESCRIBED ON THE PLANS OR IN THESE SPECIFICATIONS UNLESS APPROVED IN WRITING BY THE OWNER.  
B. EQUIPMENT: THE CONTRACTOR SHALL PROVIDE A LIST OF EQUIPMENT AND A DESCRIPTION AND LOCATION OF ITS INTENDED USE, AND A LIST OF SAID PERSONS PERFORMING THE WORK AND THEIR QUALIFICATIONS FOR OPERATING AND MAINTAINING THE LISTED EQUIPMENT.  
C. AFTER THE WORK IS COMPLETED THE CONTRACTOR SHALL SUBMIT TO THE OWNER RECORD DRAWINGS, MARK IN RED INK ON THE ORIGINAL PLANS ANY FIELD CHANGES OR DEVIATIONS FROM THE ORIGINAL PLANS.
- PART 2. PRODUCTS**
- 2.1 MATERIALS**  
A. ALL SEED SPECIES SHALL BE SUPPLIED AS PURE LIVE SEED. SEE PLANTING PLAN (SHEET 3) FOR SEEDING LISTS AND QUANTITIES.  
B. SEED OF ALL SPECIES NATIVE TO ILLINOIS SHALL BE FROM WITHIN A 25-MILE RADIUS OF THE PROJECT SITE UNLESS APPROVED BY THE OWNER.  
C. GRASS SEED SHALL BE IN CONFORMANCE WITH USDA RULES AND REGULATIONS UNDER THE FEDERAL SEED ACT AND APPLICABLE ILLINOIS STATE SEED LAWS.  
D. STRAW OR HAY FOR EROSION CONTROL SHALL BE CLEAN, SEED-FREE HAY OR THRESHED STRAW OF WHEAT, RYE, OATS, OR BARLEY.
- PART 3. EXECUTION**
- 3.1 METHOD**  
A. IF PLANTED IN SPRING, SEEDS SHALL HAVE PROPER STRATIFICATION AND/OR SCARIFICATION TO BREAK SEED DORMANCY.  
B. SEEDING SHALL BE PREFERENTIALLY CONDUCTED IN EARLY SPRING AS SOON AS THE SOIL IS FREE OF FROST AND IN A WORKABLE CONDITION BUT NO LATER THAN JUNE 15TH OR AS A LATE FALL DORMANT SEEDING AFTER NOVEMBER 15TH.  
C. ALL SEED SHALL BE PREFERENTIALLY INSTALLED WITH A RANGELAND TYPE GRAM DRILL OR NO-TILL PLANTER, SUCH AS BY TRIAX, OR EQUIVALENT, OR BROADCAST INTO LIGHTLY TILLED SOIL SURFACE, FOLLOWED BY IMPRESSING SEED INTO THE SOIL WITH A GULTRIPKOR ROLLER. ALL METHODS SHALL BE APPROVED BY THE OWNER.  
D. IF SOIL IS TOO WET OR GRADE IS TOO STEEP TO INSTALL SEED AS DESCRIBED IN 3.1B, ABOVE, A MECHANICAL BROADCAST SEEDER, SUCH AS BY CYCLONE, SHALL BE USED. HAND BROADCASTING OF SEED MAY ALSO BE EMPLOYED, WITHIN 24 HOURS, OR AS SOON AS SITE CONDITIONS PERMIT. BROADCAST SEEDING AREAS SHALL BE ROLLED, BUT SOIL SHALL BE LIGHTLY TILLED BEFOREHAND.  
E. NORTH AMERICAN GREEN 50:50 EROSION CONTROL MAT OR EQUAL SHALL BE USED FOR EROSION CONTROL ONTO SLOPES GREATER THAN ONE FOOT HORIZONTAL TO FIVE FOOT VERTICAL (1:5) IMMEDIATELY FOLLOWING SEEDING. 575 OR EQUAL CAN BE USED FOR EROSION CONTROL IN AREAS OF LESS THAN 1:5 SLOPES.  
F. IF AREA TO BE SEEDING WAS TREATED WITH HERBICIDE, SEEDING SHALL OCCUR NO LESS THAN 14 DAYS AFTER HERBICIDE APPLICATION.

NOTES:  
SEE STANDARD SPECIFICATIONS, SPECIAL PROVISIONS, AND STANDARD DETAILS FOR ADDITIONAL INFORMATION.

- 1.1 DESCRIPTION**  
A. GRADING SHALL INCLUDE ALL CLEARING, GRUBBING, REMOVAL OF WALLS, FOUNDATIONS, AND OTHER STRUCTURAL ELEMENTS WITHIN THE LIMITS OF CONSTRUCTION; EXCAVATION, STOCKPILING AND REPLACEMENT; TOPSOIL, EXCAVATION, STOCKPILE AND REPLACEMENT; ROCK AND COBBLE REMOVAL; STOCKPILING AND REPLACEMENT CONSTRUCTION AS SHOWN ON THE PLANS, DETAILED IN THESE SPECIFICATIONS, AND IN ACCORDANCE WITH SECTIONS 202 THROUGH 214, 202, AND 1000 OF THE IDOT SPECIFICATIONS.
- 1.2 RELATED SECTIONS**  
A. TEMPORARY EROSION CONTROL, TEMPORARY BARRIER FENCING, SLOPE PROTECTION CONSTRUCTION, COVER CROP SEEDING, SEEDING.
- 1.3 QUALITY ASSURANCE**  
A. QUALIFICATIONS OF WORKMEN: PROVIDE AT LEAST ONE PERSON WHO SHALL BE PRESENT AT ALL TIMES DURING EXECUTION OF THIS PORTION OF THE WORK AND WHO SHALL BE THOROUGHLY FAMILIAR WITH THE TYPE AND OPERATION OF EQUIPMENT BEING USED. SAID PERSON SHALL DIRECT ALL WORK PERFORMED UNDER THIS SECTION.  
B. STANDARDS: ALL MATERIALS, EQUIPMENT, AND PROCEDURES USED DURING THIS PORTION OF THE WORK SHALL MEET OR EXCEED APPLICABLE FEDERAL, STATE, COUNTY AND LOCAL LAWS AND REGULATIONS.
- 1.4 SUBMITTALS**  
A. MATERIALS: THE CONTRACTOR SHALL SUBMIT TO THE OWNER FOR APPROVAL A COMPLETE LIST OF ALL MATERIALS TO BE USED DURING THIS PORTION OF THE WORK PRIOR TO DELIVERY OF ANY MATERIALS TO THE SITE. INCLUDE COMPLETE DATA ON SOURCE, AMOUNT AND QUALITY. THIS SUBMITTAL SHALL IN NO WAY BE CONSTRUED AS PERMITTING SUBSTITUTION FOR SPECIFIC ITEMS DESCRIBED ON THE PLANS OR IN THESE SPECIFICATIONS UNLESS APPROVED IN WRITING BY THE OWNER.  
B. PERSONS PERFORMING THE WORK AND THEIR QUALIFICATIONS FOR OPERATING AND MAINTAINING THE LISTED EQUIPMENT.  
C. AFTER THE WORK IS COMPLETED THE CONTRACTOR SHALL SUBMIT TO THE OWNER RECORD DRAWINGS. THE CONTRACTOR SHALL MARK IN RED INK ON THE ORIGINAL PLANS ANY FIELD CHANGES OR DEVIATIONS FROM THE ORIGINAL PLANS.
- PART 2. PRODUCTS**
- 2.1 MATERIALS**  
A. TOPSOIL SHALL BE SUITABLE ORGANIC SOIL OBTAINED FROM ON-SITE SOURCES OR AS APPROVED BY THE OWNER. ALL TOPSOIL SHALL BE APPROVED BY THE OWNER BEFORE USE.  
B. UNCLASSIFIED EXCAVATION SHALL CONSIST OF SOIL WHICH IS NOT TOPSOIL, GRAVEL OR COBBLE.  
C. GRAVEL AND COBBLE TO BE PLACED IN RECONSTRUCTED OR STABILIZED CREEK CHANNEL AREAS SHALL BE ROCK MATERIAL FOUND IN THE BED OF THE EXISTING CHANNEL AND AS SIZED PER THE PLAN.
- PART 3. EXECUTION**
- 3.1 GENERAL**  
A. THE CONTRACTOR SHALL PROVIDE TEMPORARY MEANS OF PREVENTING EROSION OF EXCAVATED MATERIALS INTO ANY WATERCOURSE PER THE PLANS. SUCH MEASURES SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER.  
B. THE CONTRACTOR SHALL PROVIDE CONTROL AND GRADE STAKES FOR THE GRADING CONSTRUCTION.  
C. PLANTING AREAS SHALL BE CONSTRUCTED TO ± 0.3 FEET OF THE GRADES SHOWN ON THE PLANS; STREAM BED GRADING SHALL BE CONSTRUCTED TO ± 0.1 FEET OF THE GRADES SHOWN ON THE PLANS.
- 3.2 CLEARING AND GRUBBING**  
A. GENERAL: THE FOLLOWING ITEMS SHALL BE PERFORMED WHEREVER THEY OCCUR WITHIN THE PROJECT BOUNDARY: MATERIALS DESIGNATED FOR DISPOSAL SHALL BE REMOVED FROM THE SITE. THESE MATERIALS SHALL NOT BE DISPOSED OF BY BURNING.  
B. CLEARING: CLEARING SHALL CONSIST OF THE REMOVAL AND DISPOSAL OF ALL OBSTRUCTIONS SUCH AS FENCES, WALLS, ACCUMULATIONS OF RUBBISH OF WHATEVER NATURE AND EXISTING STRUCTURES, LOGS, SHRUBS, BRUSH, GRASS, LEAVES, AND OTHER VEGETATION. CLEARING MAY BE PLACED AT THE OWNERS REQUEST SUCH THAT THE REMOVAL OF STUMPS ARE DELAYED TO MINIMIZE THE EROSION POTENTIAL DURING CONSTRUCTION.  
C. GRUBBING: SHALL INCLUDE REMOVAL OF ALL STUMPS WITHIN THE CONSTRUCTION LIMITS.
- 3.3 TOPSOIL, EXCAVATION, STOCKPILING, BORROW AND REPLACEMENT**  
A. TOPSOIL EXCAVATION SHALL CONSIST OF THE STRIPPING OF ANY EXISTING TOPSOIL FROM THE EXCAVATION AREAS. TEMPORARY STOCKPILE OF EXCAVATED TOPSOIL SHALL BE BURNED OFF BY REMOVAL FROM THE SITE. THESE MATERIALS SHALL NOT BE STOCKPILED ON-SITE WITHIN THE LIMITS OF CONSTRUCTION. TEMPORARY CONSTRUCTION EASEMENT, OR TEMPORARILY STOCKPILED OFF-SITE AT A LOCATION SELECTED AND PAID FOR BY THE CONTRACTOR. THE CONTRACTOR SHALL INCLUDE PERMANENT DISPOSAL OF TOPSOIL THAT IS NOT TO BE REPLACED ON-SITE AS PART OF THIS WORK.  
B. TOPSOIL REPLACEMENT SHALL CONSIST OF RE-SPREADING THE TOPSOIL TO DEPTHS SHOWN ON THE PLANS AND THE PREPARATION OF THIS TOPSOIL FOR PLANTINGS. TOPSOIL STOCKPILED SHALL BE ENCLOSED WITH SILT FENCE.
- 3.4 EXCAVATION**  
A. EXCAVATION SHALL CONSIST OF THE EXCAVATION OF ALL EARTHEN MATERIALS (EXCEPT TOPSOIL) LYING BELOW THE TOPSOIL REPLACEMENT ELEVATION SHOWN ON THE PLANS. THIS EXCAVATION SHALL INCLUDE CUT, STOPPING, AND UNCLASSIFIED FILL. EXCAVATION INTENDED FOR UNCLASSIFIED FILL MAY BE STORED ON-SITE WITHIN THE LIMITS OF CONSTRUCTION, TEMPORARY CONSTRUCTION EASEMENT, OR TEMPORARILY STOCKPILED OFF-SITE AT A LOCATION SELECTED AND PAID FOR BY THE CONTRACTOR. THE CONTRACTOR SHALL INCLUDE PERMANENT DISPOSAL OF EXCAVATION MATERIAL THAT IS NOT USED FOR UNCLASSIFIED FILL. EXCAVATION STOCKPILED SHALL BE ENCLOSED WITH SILT FENCE.
- 3.5 CLEAN UP, REMOVAL AND REPAIR**  
A. CLEAN UP: THE WORK AREA SHALL BE KEPT FREE OF DEBRIS BY THE CONTRACTOR. AT NO TIME SHALL TRASH OR OTHER MATERIAL BE ALLOWED TO ACCUMULATE AT THE PROJECT SITE. ALL TOOLS SHALL BE KEPT IN APPROPRIATE CARRYING GASES, TOOL BOXES, ETC. PARKING AREAS, ROADS, SIDEWALKS, PATHS, TRAILS, AND PAVED AREAS SHALL BE KEPT FREE OF MUD AND DIRT.  
B. REMOVAL: AFTER WORK HAS BEEN COMPLETED REMOVE TOOLS AND ALL OTHER DEBRIS GENERATED BY THE CONTRACTOR.  
C. REPAIR: THE CONTRACTOR SHALL REPAIR ANY DAMAGES THAT OCCURRED DURING COMPLETION OF THE WORK DESCRIBED IN THIS SECTION. SAID DAMAGES MAY INCLUDE, BUT ARE NOT LIMITED TO, TIRE RUTS IN THE GROUND, DAMAGE TO PLANTED AREAS, DAMAGE TO TRAILS, ETC. ALL AREAS DAMAGED BY THE CONTRACTOR DURING THE EXECUTION OF THIS WORK SHALL BE REPAIRED BY CONTRACTOR AND RESTORED TO THE CONDITIONS SHOWN ON THE PLANS AT NO ADDITIONAL COST TO THE OWNER. ALL AREAS OUTSIDE OF THE CONSTRUCTION LIMITS DISTURBED BY CONSTRUCTION SHALL BE RESTORED TO PRE-CONSTRUCTION GRADES AND STABILIZED WITH APPROPRIATE SEED OR PLANTINGS.
- 3.6 INSPECTION**  
A. PRIOR TO THE COMMENCEMENT OF PLANTING CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A PROVISIONAL ACCEPTANCE OF THE GRADING FROM THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING A PROVISIONAL ACCEPTANCE INSPECTION WITH THE OWNER.
- 3.7 ACCEPTANCE AND GUARANTEE**  
A. PROVISIONAL ACCEPTANCE: THE WORK SHALL BE PROVISIONALLY ACCEPTED BY THE OWNER PRIOR TO ANY SEEDING OR PLANTING CONSTRUCTION. IF THE OWNER CONSIDERS THE GRADING WORK TO BE IN SUBSTANTIAL COMPLIANCE WITH THE PLANS AND SPECIFICATIONS, THE WORK SHALL BE PROVISIONALLY ACCEPTED AND CONSIDERED 90% COMPLETE.  
B. FINAL ACCEPTANCE: THE GRADING WORK SHALL BE CONSIDERED 100% COMPLETE AFTER THE CONTRACTOR HAS COMPLETED ALL CLEAN UP, REMOVAL, AND REPAIR AS DESCRIBED IN 3.5 OF THIS SECTION.

## SOIL PREPARATION

- PART 1. GENERAL**
- 1.1 DESCRIPTION**  
A. THIS SECTION INCLUDES PREPARATION OF SOIL PRIOR TO SEEDING AND/OR PLANTING IN AREAS DESIGNATED FOR EMERGENT, WET PRAIRIE, MESIC PRAIRIE, AND SAVANNA PLANT COMMUNITIES.
- 1.2 RELATED SECTIONS**  
A. GRADING AND SEEDING.
- 1.3 QUALITY ASSURANCE**  
A. QUALIFICATIONS OF WORKMEN: PROVIDE AT LEAST ONE PERSON WHO SHALL BE PRESENT AT ALL TIMES DURING EXECUTION OF THIS PORTION OF THE WORK WHO SHALL BE THOROUGHLY FAMILIAR WITH THE TYPE AND OPERATION OF EQUIPMENT BEING USED. SAID PERSON SHALL DIRECT ALL WORK PERFORMED UNDER THIS SECTION.  
B. STANDARDS: ALL MATERIALS, EQUIPMENT, AND PROCEDURES USED DURING THIS PORTION OF THE WORK SHALL MEET OR EXCEED APPLICABLE FEDERAL, STATE, COUNTY AND LOCAL LAWS AND REGULATIONS.
- 1.4 SUBMITTALS**  
A. EQUIPMENT: THE CONTRACTOR SHALL PROVIDE A LIST OF EQUIPMENT AND A DESCRIPTION AND LOCATION OF ITS INTENDED USE, AND A LIST OF SAID PERSONS PERFORMING THE WORK AND THEIR QUALIFICATIONS FOR OPERATING AND MAINTAINING THE LISTED EQUIPMENT.
- PART 2. PRODUCTS**
- 2.1 MATERIALS**  
A. NONE SPECIFIED.
- PART 3. EXECUTION**
- 3.1 METHOD**  
A. PRIOR TO SEEDING AND PLANTING, CONTRACTOR SHALL CHECK COMPACTION OF TOPSOIL (0-6" DEPTH) AND NORMAL SUBSOIL DEPTH (6-12" DEPTH). A 150 LB. PERSON SHOULD LEAVE NO GREATER THAN A 1/4" DEEP FOOTPRINT.  
B. PRIOR TO SEEDING AND PLANTING, AREAS DISTURBED BY CONSTRUCTION VEHICLES AND TRAFFIC SHALL BE RESTORED TO GRADE, RAKED AND CHECKED FOR COMPACTION AS IN 3.1A.  
C. PRIOR TO SEEDING AND PLANTING, AREAS NOT REGRADED AND CONTAINING TURF, OLD FILL, OR OTHER NON-NATIVE HERBACEOUS VEGETATION SHALL BE HERBICIDED TWICE (2X) AND DISCED ONCE (1X) BETWEEN HERBICIDE TREATMENTS TO PREPARE THE AREAS FOR SEEDING. SEEDING AND PLANTING SHALL BE DONE NO SOONER THAN 2 WEEKS AFTER THE LAST HERBICIDE TREATMENT.
- 3.2 CLEAN UP, REMOVAL AND REPAIR**  
A. CLEAN UP: THE WORK AREA SHALL BE KEPT FREE OF DEBRIS BY THE CONTRACTOR. AT NO TIME SHALL TRASH OR OTHER MATERIAL BE ALLOWED TO ACCUMULATE AT THE PROJECT SITE. ALL TOOLS SHALL BE KEPT IN APPROPRIATE CARRYING GASES, TOOL BOXES, ETC. PARKING AREAS, ROADS, SIDEWALKS, PATHS, TRAILS, AND PAVED AREAS SHALL BE KEPT FREE OF MUD AND DIRT.  
B. REMOVAL: AFTER WORK HAS BEEN COMPLETED REMOVE TOOLS AND ALL OTHER DEBRIS GENERATED BY THE CONTRACTOR.  
C. REPAIR: THE CONTRACTOR SHALL REPAIR ANY DAMAGES THAT OCCURRED DURING COMPLETION OF THE WORK DESCRIBED IN THIS SECTION. SAID DAMAGES MAY INCLUDE, BUT ARE NOT LIMITED TO, TIRE RUTS IN THE GROUND, DAMAGE TO PLANTED AREAS, DAMAGE TO TRAILS, ETC. ALL AREAS DAMAGED BY THE CONTRACTOR DURING THE EXECUTION OF THIS WORK SHALL BE REPAIRED BY CONTRACTOR AND RESTORED TO THE CONDITIONS SHOWN ON THE PLANS AT NO ADDITIONAL COST TO THE OWNER. ALL AREAS OUTSIDE OF THE CONSTRUCTION LIMITS DISTURBED BY CONSTRUCTION SHALL BE RESTORED TO PRE-CONSTRUCTION GRADES AND STABILIZED WITH APPROPRIATE SEED OR PLANTINGS.

- PART 3. EXECUTION**
- 3.1 METHOD**  
A. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF OFF-SITE ALL WOODY SPECIES WITHIN THE CONSTRUCTION LIMITS, AS DESIGNATED ON THE PLANS. WHERE GRADING IS PROPOSED AND IN ALL OTHER AREAS AS SPECIFIED ON THE PLANS AND IN ACCORDANCE WITH SECTION 201 OF THE IDOT SPECIFICATIONS.  
B. TREES SHALL BE REMOVED BY CUTTING WITH HAND TOOLS INCLUDING, BUT NOT NECESSARILY LIMITED TO, GAS POWERED CHAIN SAWS, GAS POWERED CLEARING SAWS, BOW SAWS, AND LOPPERS.  
C. THE PROJECT ECOLOGIST MUST BE CONTACTED TO DESIGNATE AREAS OF TREE REMOVAL PRIOR TO COMMENCEMENT OF ANY CLEARING. FAILURE TO DO SO RESULTING REMOVAL OF PROTECTED TREES MAY REQUIRE RECOMPENSATION THAT SHALL BE PROVIDED AT THE CONTRACTORS EXPENSE.  
D. ALL STUMPS WITHIN THE GRADING LIMITS DESIGNATED ON THE PLAN FOR REMOVAL SHALL BE GRUBBED, UNLESS IT IS DETERMINED BY THE CONTRACTOR AND APPROVED BY THE OWNER THAT SOME STUMPS CAN REMAIN. STUMPS TO REMAIN SHALL BE CUT TO WITHIN 3 INCHES OF SURROUNDING GRADE AND TREATED IMMEDIATELY WITH AN APPROVED HERBICIDE.  
E. ALL CUT MATERIAL SHALL BE HAULLED TO A STAGING AREA FOR TEMPORARY STOCKPILE, THEN DISPOSED OF OFF-SITE. NO PILES SHALL REMAIN ON-SITE AT THE END OF EACH WORK DAY.  
F. REMOVAL OF UNDESIRABLE WOODY SPECIES SHALL PREFERENTIALLY OCCUR WHEN THE GROUND IS FROZEN.  
G. THE CONTRACTOR SHALL ROOT PRUNE TREES DESIGNATED TO REMAIN. ROOT PRUNING SHALL CONFORM TO THE OWNERS SPECIFICATIONS.  
H. ROOT PRUNING SHALL BE MADE TO A DISTANCE OF 4 FEET BEYOND THE TREES DRIP LINE. ALL ROOT PRUNING CUTS SHALL BE MADE TO A DEPTH OF 16 TO 24 INCHES AND BE PLACED 6 TO 12 INCHES CLOSER TO THE TREE THAN THE CONSTRUCTION LIMIT. THIS ALLOWS FOR ROOT REGENERATION WITHIN THE 6 TO 12 INCH AREA DURING THE CONSTRUCTION PERIOD. TRENCHES FORMED BY THIS PROCEDURE SHALL BE BACKFILLED THE SAME DAY UTILIZING THE SOIL REMOVED DURING THE OPERATION AND THE BACKFILL MATERIAL LIGHTLY TAMPED DOWN. ROOT PRUNING CUTS MADE AT THE CONSTRUCTION LIMIT IS NOT PERMITTED BECAUSE THE CUT SURFACES OF THE ROOT REMAIN EXPOSED TO THE AIR, WHICH CAUSES DIEBACK FROM THIS POINT.  
I. CONSTRUCTION ACTIVITY AND STORAGE OF MATERIALS OR EXCAVATION SPILLS ARE NOT PERMITTED WITHIN THE 6 TO 12 INCH AREA OF ANY ROOT PRUNING CUT. FAILURE TO COMPLY WILL REQUIRE THE CONTRACTOR TO INSTALL PROTECTIVE FENCING ALONG THE ROOT PRUNING CUTS THROUGHOUT THE PROJECT.  
J. A SUPPLY OF CHEMICAL ABSORBENT SHALL BE MAINTAINED AT THE PROJECT SITE. ANY CHEMICAL SPILLS SHALL BE PROPERLY CLEANED UP AND REPORTED TO THE OWNER WITHIN 24 HOURS.  
K. THE CONTRACTOR SHALL MAINTAIN COPIES AT THE PROJECT SITE OF ALL CURRENT PESTICIDE APPLICATORS LICENSES, HERBICIDE LABELS, AND MSDS (MATERIAL SAFETY DATA SHEETS) FOR ALL CHEMICALS UTILIZED DURING CONSTRUCTION OF THE WORK.
- 3.2 CLEAN UP, REMOVAL AND REPAIR**  
A. CLEAN UP: THE WORK AREA SHALL BE KEPT FREE OF DEBRIS BY THE CONTRACTOR. AT NO TIME SHALL TRASH OR OTHER MATERIAL BE ALLOWED TO ACCUMULATE AT THE PROJECT SITE. ALL TOOLS SHALL BE KEPT IN APPROPRIATE CARRYING GASES, TOOL BOXES, ETC. PARKING AREAS, ROADS, SIDEWALKS, PATHS, TRAILS, AND PAVED AREAS SHALL BE KEPT FREE OF MUD AND DIRT.  
B. REMOVAL: AFTER WORK HAS BEEN COMPLETED REMOVE TOOLS AND ALL OTHER DEBRIS GENERATED BY THE CONTRACTOR.  
C. REPAIR: THE CONTRACTOR SHALL REPAIR ANY DAMAGES THAT OCCURRED DURING COMPLETION OF THE WORK DESCRIBED IN THIS SECTION. SAID DAMAGES MAY INCLUDE, BUT ARE NOT LIMITED TO, TIRE RUTS IN THE GROUND, DAMAGE TO PLANTED AREAS, DAMAGE TO TRAILS, ETC. ALL AREAS DAMAGED BY THE CONTRACTOR DURING THE EXECUTION OF THIS WORK SHALL BE REPAIRED BY CONTRACTOR AND RESTORED TO THE CONDITIONS SHOWN ON THE PLANS AT NO ADDITIONAL COST TO THE OWNER. ALL AREAS OUTSIDE OF THE CONSTRUCTION LIMITS DISTURBED BY CONSTRUCTION SHALL BE RESTORED TO PRE-CONSTRUCTION GRADES AND STABILIZED WITH TURF, EXCEPT WHERE DESIGNATED OTHERWISE ON THE PLANTING PLAN.
- 3.3 INSPECTION**  
A. AFTER COMPLETION OF SELECTIVE TREE REMOVAL, THE CONTRACTOR SHALL SCHEDULE WITH THE OWNER A PROVISIONAL ACCEPTANCE INSPECTION OF THE WORK.
- 3.4 ACCEPTANCE AND GUARANTEE**  
A. FINAL ACCEPTANCE: THE WORK SHALL BE CONSIDERED 100% COMPLETE AFTER FINAL TREE REMOVAL IS COMPLETED, AND THE CONTRACTOR HAS COMPLETED ALL CLEAN UP, REMOVAL AND REPAIR AS DESCRIBED IN 3.2 OF THIS SECTION.

## GRADING

- PART 1. GENERAL**
- 1.1 DESCRIPTION**  
A. CLEARING AND REMOVAL OF ALL UNDESIRABLE TREES AND OTHER VEGETATIVE GROWTH WITHIN THE CONSTRUCTION AREA SHALL BE AS DESIGNATED BY THE PLANS AND THE PROJECT ECOLOGIST. IF ADEQUATE AND APPROPRIATE SPACE IS NOT AVAILABLE ON-SITE FOR REMOVED TREES AND OTHER VEGETATIVE GROWTH, THEY SHALL BE DISPOSED OFF-SITE. NO BURNING SHALL BE PERMITTED ON-SITE. THE CONTRACTOR SHALL COMPLY WITH LOCAL TREE ORDINANCES.  
B. TREES AND SHRUBS DESIGNATED TO BE SAVED SHALL BE PROTECTED BY PLACING HIGHLY VISIBLE CONSTRUCTION FENCING ALONG THEIR DRIP LINES. TREES DESIGNATED FOR RELOCATION AND/OR TEMPORARILY STORED FOR TRANSPLANTING SHALL BE PROTECTED IN THE SAME MANNER, WHERE REQUIRED BY OWNER. TRUNKS OF DESIGNATED TREES SHALL BE PROTECTED WITH STRAPPED 2" X 6" PLANKING FROM THE BASE TO A HEIGHT OF EIGHT FEET.  
C. TOPSOIL SHALL BE STOCKPILED AS DIRECTED BY THE OWNER. TOPSOIL STOCKPILED FOR FUTURE USE SHALL BE RELATIVELY FREE OF LARGE ROOTS, STICKS, WEEDS, BRUSH, STONES LARGER THAN ONE ONE INCH DIAMETER, OR OTHER LITTER AND WASTE PRODUCTS INCLUDING EXTRANEOUS MATERIALS NOT CONDUCE TO PLANT GROWTH.  
D. MATERIALS SHALL BE STOCKPILED IN SEQUENCE TO MINIMIZE REHANDLING. FAILURE TO PROPERLY SEQUENCE THE STOCKPILE OPERATIONS SHALL NOT CONSTITUTE A CLAIM FOR ADDITIONAL COMPENSATION.  
E. NO MATERIAL SHALL BE STOCKPILED IN RESIDENTIAL AREAS, DRINKING WATER FLOOD ROUTING AREAS, WETLANDS, PROPOSED UTILITY LOCATIONS, UTILITY EASEMENTS OR RIGHTS-OF-WAY. ABSOLUTELY NO MATERIALS WILL BE STOCKPILED OR DISPOSED UNDER THE CANOPIES OF TREES DESIGNATED FOR PROTECTION.  
F. UNSUITABLE MATERIALS SHALL BE REMOVED FROM ROADWAY, DRIVEWAY/PARKING, AND OTHER DESIGNATED AREAS AND DISPOSED OF OFF-SITE UPON COMPLETION OF MASS GRADING.  
G. DEMOLITION AND REMOVAL OF EXISTING MATERIALS INCLUDING OFF-SITE DISPOSAL OF SAME SHALL BE AT A LEGAL DISPOSAL SITE SELECTED BY THE CONTRACTOR. ON-SITE DISPOSAL WILL ONLY BE ALLOWED IF EXPRESSLY APPROVED BY THE OWNER IN WRITING.  
H. CLAY CUT AND FILL SHALL INCLUDE COMPACTION WITHIN ROADWAYS, TRAILS, DRIVEWAY/PARKING AREAS, BUILDING PADS, AND OTHER DESIGNATED AREAS. PLACEMENT AND COMPACTION OF CLAY SHALL BE PROVIDED AS SPECIFIED IN THE IDOT SPECIFICATIONS TO THE DESIGN SUBGRADE ELEVATIONS. THE CONTRACTOR WILL NOTE THAT THE ELEVATIONS SHOWN ON THE PLANS ARE FINISHED GRADE ELEVATIONS AND THAT FINISH, TOPSOIL REPLACEMENT, AND SOIL STABILIZATION TECHNIQUE THICKNESS MUST BE SUBTRACTED TO DETERMINE SUBGRADE ELEVATIONS. FINAL SHAPING AND TRIMMING TO THE LINES, GRADES, AND CROSS-SECTIONS SHOWN ON THE PLANS SHALL BE TO DESIGN FINISHED GRADE ELEVATIONS.  
I. THE QUANTITIES GIVEN IN THE ENGINEERS SUMMARY FOR EARTHWORK ARE INTENDED AS A GUIDE FOR THE CONTRACTOR IN DETERMINING SCOPE OF THE COMPLETED PROJECT. IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE ALL MATERIAL QUANTITIES HIMSELF AND APPRAISE ALL SITE CONDITIONS. THE CONTRACT PRICE SUBMITTED BY THE CONTRACTOR SHALL BE CONSIDERED AS LUMP SUM FOR THE COMPLETE PROJECT. NO CLAIMS FOR EXTRA WORK WILL BE RECOGNIZED UNLESS ORDERED IN WRITING BY THE OWNER.  
J. PRIOR TO ONSET OF MASS GRADING OPERATIONS AND, IF INCLUDED IN THIS CONTRACT, THE EARTH WORK CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE SOIL EROSION CONTROL SPECIFICATIONS, THE INITIAL ESTABLISHMENT OF EROSION CONTROL PROCEDURES AND THE PLACEMENT OF FILTERS, FENCING, ETC. TO PROTECT ADJACENT PROPERTY SHALL OCCUR BEFORE MASS GRADING BEGINS AND IN ACCORDANCE WITH THE SOIL EROSION CONTROL CONSTRUCTION SCHEDULE.  
K. THE GRADING OPERATIONS ARE TO BE CLOSELY SUPERVISED AND INSPECTED BY THE SOILS ENGINEER OR HIS REPRESENTATIVE PARTICULARLY DURING THE REMOVAL OF UNSUITABLE MATERIAL AND THE CONSTRUCTION OF EMBANKMENTS. ALL TESTING, INSPECTION, AND OTHER SOIL RELATED OPERATIONS SHALL BE ENTIRELY THE RESPONSIBILITY OF THE SOILS ENGINEER.  
L. A QUALIFIED SOILS ENGINEER SHALL REGULARLY INSPECT THE EXCAVATION OF STORMWATER TREATMENT AREAS TO ENSURE THAT THEY ARE CAPABLE OF MAINTAINING DESIGNED WATER LEVELS. GRAVEL OR SAND SEAMS OR OTHER CONDITIONS WHICH MAY BE ENCOUNTERED SHALL BE REVIEWED BY THE SOILS ENGINEER FOR COMPATIBILITY WITH THE DESIGN INTENT.  
M. THE PROPOSED GRADING ELEVATIONS SHOWN ON THE PLANS ARE FINISHED GRADE. A MINIMUM OF SIX INCHES OF TOPSOIL IS TO BE PLACED BEFORE FINISHED GRADE ELEVATIONS ARE ACHIEVED WITH PLANTING AREAS.  
N. STRUCTURAL FILL MATERIAL SHALL BE PLACED IN LEVEL, UNIFORM LAYERS SO THAT THE COMPACTED THICKNESS IS APPROXIMATELY SIX (6) INCHES. IF COMPACTION EQUIPMENT DEMONSTRATES THE ABILITY TO COMPACT A GREATER THICKNESS, AS DETERMINED BY SOIL ENGINEER, THEN A MAXIMUM THICKNESS OF NINE (9) INCHES MAY BE SPECIFIED. EACH LAYER SHALL BE THOROUGHLY MIXED DURING SPREADING TO ENSURE UNIFORMITY.  
O. EMBANKMENT MATERIAL WITHIN ROADWAY, DRIVEWAY/PARKING AREAS, AND OTHER STRUCTURAL CLAY FILL AREAS SHALL BE COMPACTED TO A MINIMUM OF NINETY-FIVE PERCENT (95%) OF MODIFIED PROCTOR DENSITY (ASTM D-1557), OR TO SUCH DENSITY AS MAY BE DETERMINED APPROPRIATE BY THE SOILS ENGINEER.  
P. EMBANKMENT FILL WITH NON-STRUCTURAL MATERIALS APPROVED BY THE SOILS ENGINEER SHALL BE COMPACTED EIGHTY PERCENT (80%) TO EIGHTY-FIVE (85%) STANDARD PROCTOR DENSITY (ASTM D-690), OR TO SUCH DENSITY AS MAY BE DETERMINED APPROPRIATE BY THE SOILS ENGINEER. REPEATED USE OF TRACKED EQUIPMENT OVER AREA SHOULD BE ADEQUATE TO ACHIEVE THE REQUIRED DENSITY.  
Q. EMBANKMENT FILL FOR STREAM CONSTRUCTION SHALL BE COMPACTED EIGHTY PERCENT (80%) TO EIGHTY-FIVE (85%) STANDARD PROCTOR DENSITY (ASTM D-690) ON BANKS ABOVE THE ROCK PROTECTION AND EIGHTY-FIVE (85%) TO NINETY PERCENT (90%) STANDARD PROCTOR DENSITY ON THE STREAM BED AND LOWER FOOT OF THE BANK. OR TO SUCH DENSITIES AS MAY BE DETERMINED APPROPRIATE BY THE SOILS ENGINEER.  
R. THE SURFACE VEGETATION, TOPSOIL, AND ANY OBVIOUSLY SOFT UNDERLYING SOIL SHALL BE STRIPPED FROM ALL AREAS TO RECEIVE CLAY FILL. IF THE UNDERLYING SUBGRADE SOILS RUP DEEPER THAN ONE INCH UNDER CONSTRUCTION EQUIPMENT OR IF THE MOISTURE CONTENT EXCEEDS THAT NEEDED FOR PROPER COMPACTION, THE SOIL SHALL BE SCARIFIED, DRIED, AND RECOMPACTED TO THE REQUIRED SPECIFICATIONS.  
S. PRIOR TO UTILITY CONSTRUCTION, PROPOSED GRADING AREAS SHALL BE ROUGH GRADED BY THE CONTRACTOR TO PLUS OR MINUS ONE FOOT OF DESIGN ELEVATIONS.  
T. UPON COMPLETION OF THE SURFACE GRADING IMPROVEMENTS, THE CONTRACTOR SHALL RESPREAD A SIX INCH LAYER OF TOPSOIL ON ALL PLANTING AREAS.  
U. RIP-RAP MATERIAL, AGGREGATE MATERIAL, AND ASSOCIATED GEOTEXTILE FILTERS SHALL CONFORM TO SECTIONS 210, 201, 1003, 1004, 1005, AND 1006 OF THE IDOT SPECIFICATIONS.  
V. SOIL BORING REPORT, AVAILABLE AT THE OFFICES OF THE ENGINEER AND THE OWNER, ARE SOLELY FOR THE INFORMATION AND GUIDANCE OF THE ENGINEER, OWNER, AND CONTRACTOR. THE ENGINEER MAKES NO REPRESENTATION OR WARRANTY REGARDING THE INFORMATION CONTAINED IN THE SOIL BORING REPORT. THE CONTRACTOR SHALL MAKE HIS OWN INVESTIGATIONS AND SHALL PLAN HIS WORK ACCORDINGLY. ARRANGEMENTS TO ENTER THE PROJECT SITE DURING THE BIDDING PHASE MAY BE MADE UPON REQUEST OF THE OWNER. THERE WILL BE NO ADDITIONAL PAYMENT FOR EXPENSES INCURRED BY THE CONTRACTOR RESULTING FROM ADVISE SOIL OR GROUND WATER CONDITIONS.

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USER NAME	DESIGNED	REVISED
akw	- AES	-
	DRAWN - AES	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED - AES	REVISED -
PLOT DATE = 5/2/2012	DATE = 5/3/2012	REVISED -

## STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

## CRYSTAL CREEK RELOCATION PLANS

SCALE: AS NOTED SHEET NO. 8 OF 10 SHEETS STA. TO STA.

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	407
CONTRACT NO. 60F72				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				