CONTRACT NO. 63095

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	08-00260-01-PV	KANE	176	80
STA. N/A		TO STA. N/A		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

LANDSCAPE SPECIFICATIONS

1. SITE CONDITIONS

A. Access in and out of the project shall be maintained at all times. No obstructions shall be permitted on roadways, parking areas, bike paths, public right-of-ways, etc.

B. Determine location and depths of underground utilities and perform work in a manner which will avoid possible damage. Hand excavate, as required. Maintain grade stakes set by others until removal is mutually agreed upon by parties concerned.

C. When conditions detrimental to plant growth are encountered, such as rubble fill, adverse drainage conditions, or obstructions, notify the Engineer before planting.

D. Substitutions of plant material due to lack of availability or hardiness shall be approved by the Engineer. Adjustments of plant locations shall be permitted as dictated by site conditions and approved by Engineer.

E. All permits, if required, are to be secured by the Contractor.

2. PLANTING OPERATIONS

A. Provide plant material of quantity, size, genus, species, and variety shown and scheduled for landscape work and complying with recommendations and requirements of ANSI Z60.1 "American Standard for Nursery Stock". Provide healthy, vigorous stock, grown in recognized nursery in accordance with good horticultural practice and free of disease, insects, eggs, larvae, and defects such as knots, sun-scald, injuries, abrasions, or disfigurement.

B. The Engineer may inspect trees and shrubs either at place of growth or at site before planing, for compliance with requirements for genus, species, variety, size, and quality. The Engineer retains right to further inspect trees and shrubs for size and condition of balls and root systems, insects, injuries and latent defects, and to reject unsatisfactory or defective material at any time during progress of work. Remove rejected trees or shrubs immediately from project site.

C. All plant material shall be balled and burlapped (B&B) unless otherwise noted on the schedule.

D. Provide freshly dug trees, evergreens and shrubs. Do not prune prior to delivery unless otherwise approved by Engineer. Do not bend or bind-tie trees or shrubs in such manner as to damage bark, break branches, or destroy natural shape. Do not drop balled or burlapped stock during delivery.

E. Deliver plant material after preparations for planting have been completed and plant immediately. If planting is delayed more than 6 hours after delivery, set trees, evergreens and shrubs in shade, protect from weather and mechanical damage, and keep roots moist by covering with mulch, burlap or other acceptable means of retaining moisture.

F. Do not remove container-grown stock from containers until planting time.

G. Plant trees and shrubs after final grades are established and prior to planting of lawns, unless otherwise acceptable to Engineer. If planting of trees and shrubs occurs after lawn work, protect lawn areas and promptly repair damage to lawns resulting from planting operations.

H. All plant material shall be grown in Northeastern Illinois. Verification shall be provided upon request of the City or Engineer.

I. Plant handling and installation shall conform to accepted landscape practices. Protect all plants in leaf with acceptable coverings during transporation.

J. Plant or install materials during normal planting seasons for each type of plant material required.

K. Dig holes large enough to allow for root ball and backfill with planting soil. Work soil around ball to eliminate air pockets and leave a slight saucer indentation around plants to hold water. Water thoroughly after planting, taking care not to cover crowns of plants with wet soils.

L. All plant prices quoted shall include delivery, installation, storing if necessary, fertilizing, pruning, thinning and watering until all landscaping is completed and Engineer has been notified in writing of same and has accepted the completed project.

M. Wrap all newly planted tree trunks with commercial tree wrap at time of planting. Start at ground and cover trunk to height of first branches and securely attach.

N. The need for guying of newly planted deciduous trees and evergreens will be determined by Engineer on site. Provide 3 wire ties and guys of 2-strand, twisted, pliable galvanized iron wire, not lighter than 14 ga. with zinc-coated turnbuckles. Provide not less than 1/2 inch diameter rubber or plastic hose, cut to required lengths and of uniform color, material, and size to protect tree trunks from damage by wires.

Provide 2"x3"x 24" (min.) wood stakes equidistant from plant trunk. Provide protective markings to cables and stakes as approved by the Engineer. This shall be incidental to cost of the tree.

3. MULCH

A. Mulch all plantings with shredded hardwood bark mulch to a depth of 3".

B. Mulched beds shall encompass all groups of plant material and be generous enough to permit ease of landscape maintenance.

C. Mulch rings shall be a minimum 5'-0" diameter for individual trees, evergreens and ornamental trees as shown on the plans or directed by the Engineer.

D. Mulch areas between groundcover and perennial plants; place not less than 3 inches thick.

E. Where mulch beds meet lawn areas, provide a sharp vertical shovel-cut edge.

4. MAINTENANCE

A. Begin maintenance immediately after planting.

B. Maintain trees, shrubs, and other plants until final acceptance by th Engineer.

C. Maintain trees, shrubs, and other plants by pruning, cultivating, and weeding as required for healthy growth. Restore planting saucers. Tighten and repair stake and guy supports and reset trees and shrubs to proper grades or vertical position as required. Restore or replace damaged wrappings. Spray as required to keep trees and shrubs free of insects and disease.

D. Contractor shall be responsible for all watering equipment and procedures. Water supply shall be provided by the Contractor except at the Police Station. Coordinate with the City at this location.

5. CLEAN UP AND PROTECTION

A. During landscape work, keep pavements clean and work area in an orderly condition.

B. Protect landscape work and materials from damage due to landscape operations, operations by other contractors and trades, and trespassers. Maintain protection during installation and maintenance periods. Treat, repair, or replace damaged landscape work as directed.

6. INSPECTION AND ACCEPTANCE

A. When landscape work is completed, including maintenance, Engineer will, upon request, make an inspection to determine acceptability.

1. Landscape work may be inspected for acceptance in portions as agreeable to Engineer, provided each portion of work offered for inspection is complete, including maintenance.

B. When inspected landscape work does not comply with requirements, replace rejected work and continue specified maintenance until reinspected by the Engineer and found to be acceptable. Remove rejected plants and materials promptly from project site.

7. WARRANTY

A. All plant material shall be guaranteed 100% for one (1) year from date of final acceptance by the Engineer. Guarantee is for one (1) replacement only against defects including death and unsatisfactory growth, except for defects resulting from neglect by the City, abuse or damage by others, vandalism, salt injury, wildlife damage or unusual phenomena or incidents which are beyond the Contractor's control.

B. Remove and replace trees, shrubs, or other plants found to be dead or in unhealthy condition during warranty period. Make replacements during growth season following end of warranty period. Replace trees and shrubs which are in doubtful condition at end of warranty period; unless, in opinion of Engineer, it is advisable to extend warranty period for a full growing season.

EROSION CONTROL NOTES

1. UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS IN THE ILLINOIS URBAN MANUAL REVISED FEBRUARY 2002.

2. THE KANE-DUPAGE SOIL AND WATER CONSERVATION DISTRICT (KDSWCD) MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITIES, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.

3. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.

4. PRIOR TO COMMENCING LAND-DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING BUT NOT LIMITED TO, ADDITIONAL PHASES OF DEVELOPMENT AND OFF-SITE BORROW OR WASTE AREAS) A SUPPLEMENTARY EROSION CONTROL PLAN SHALL BE SUBMITTED TO THE OWNER FOR REVIEW BY THE KDSWCD.

5. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE KDSWCD.

6. DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO SEDIMENT BASINS OR SILT TRAPS. DEWATERING DIRECTLY INTO FIELD TILES OR STORMWATER STRUCTURES IS PROHIBITED.

7. IT IS THE RESPONSIBILITY OF THE LANDOWNER AND/OR GENERAL CONTRACTOR TO INFORM ANY SUB-CONTRACTOR(S) WHO MAY PERFORM WORK ON THIS PROJECT, OF THE REQUIREMENTS IN IMPLEMENTING AND MAINTAINING THESE EROSION CONTROL PLANS AND THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT REQUIREMENTS SET FORTH BY THE ILLINOIS EPA.

8. ALL ADJACENT STREETS MUST BE KEPT CLEAR OF DEBRIS. INSPECTED DAILY AND CLEANED WHEN NECESSARY.

9. ALL EROSION CONTROL MEASURES MUST BE INSPECTED WEEKLY AND AFTER EACH 1/2" RAIN EVENT

10. EROSION CONTROL BLANKET AND/OR STRAW MULCH WITH NETTING (DEPENDING ON SLOPE, SLOPE LENGTH, AND FLOW RATES) SHALL BE INSTALLED ON ALL SLOPES AND IN CRITICAL AREAS (I.E. DETENTION BASIN PERIMETERS, BERMS, ETC.) IMMEDIATELY UPON FINAL GRADING

11. IN AREAS WHERE WORK IS COMPLETE, PERMANENT STABILIZATION SHALL OCCUR WITHIN 7 DAYS OF COMPLETION, AND IN AREAS WHERE WORK HAS TEMPORARILY CEASED FOR 21 DAYS OR MORE, TEMPORARY STABILIZATION SHALL OCCUR BY THE 14TH DAY AFTER WORK HAS CEASED.

12. NO WORK SHALL BE PERFORMED IN FLOWING WATER. WORK IN AND NEAR THE CRITICAL AREAS SHOULD BE ISOLATED FROM CONCENTRATED FLOWS OR STREAM FLOW. THE STREAM BANKS SHOULD BE STABILIZED AT THE END OF EACH DAY. ONCE WORK IN THIS AREA BEGINS, PRIORITY SHALL BE GIVEN TO THE COMPLETION OF THE WORK AND FINAL STABILIZATION OF ALL DISTURBED AREAS

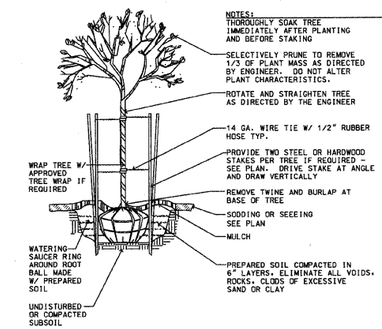
13. ALL DISTURBED AREAS AND WORK AREAS MUST BE ISOLATED FROM CREEK FLOWS AT ALL TIMES. THE DIVERSION/ISOLATION OF THE CREEK FLOWS MUST CONSTRUCTED FROM NON-ERODABLE MATERIALS. THE KDSWCD MUST BE IN AGREEMENT WITH OVERALL EXACT METHOD OF DIVERSION/ISOLATION PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

14. I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT (ILR10) THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION.

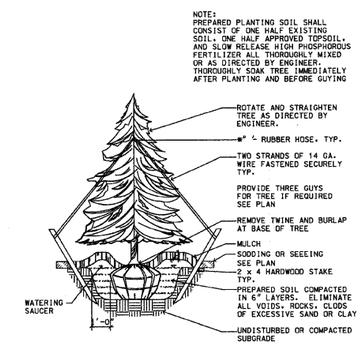
SIGNATURE _____ TITLE _____ DATE _____

NAME OF FIRM _____ ADDRESS _____ TELEPHONE _____

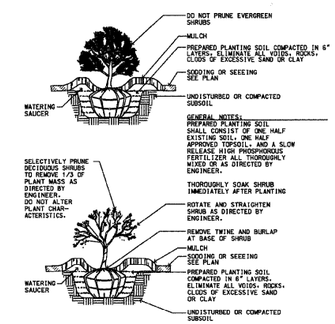
15. STOCKPILES SHALL BE LOCATED IN AREAS THAT DO NOT HAVE HIGH POTENTIAL FOR CONTRIBUTING SEDIMENTS TO STORMWATER FACILITIES. SEDIMENT CONTROL, SILT FENCE SHALL BE PLACED AROUND THE STOCKPILE IMMEDIATELY. TEMPORARY EROSION CONTROL SEEDING STABILIZATION OF THE STOCKPILE SHALL BE COMPLETED WITHIN SEVEN (7) DAYS OF THE FORMATION OF THE STOCKPILE, IF IT IS TO REMAIN DORMANT (UNDISTURBED) FOR LONGER THAN THIRTY (30) DAYS. PERMANENT SEEDING OF THE STOCKPILE SHALL BE COMPLETED WITHIN SEVEN (7) DAYS OF THE FORMATION OF THE STOCKPILE, IF IT IS TO REMAIN DORMANT (UNDISTURBED) FOR LONGER THAN 12 MONTHS.



A DECIDUOUS TREE PLANTING



B EVERGREEN TREE PLANTING



C SHRUB PLANTING

REVISIONS	
NAME	DATE

RHA&A
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Phone No. 630-584-3530

ILLINOIS DEPARTMENT OF TRANSPORTATION

LANDSCAPING AND EROSION CONTROL
GENERAL NOTES
SHEET 1 OF 5

SCALE: VERT. HORIZ. N/A
DATE 1/7/09
DRAWN BY AWH
CHECKED BY TC/SBP

PLOT DATE = 1/5/2009
FILE NAME = H:\Aurora\120059_ITPHIV\civil9ts\LANDEROS_NOTES_1.dgn
PLOT SCALE = 1 = N/A
USER NAME = USER.