

B. Test Drainage

Test each tree pit for drainage prior to installing trees or large shrubs. Use the following procedure:

1. Dig each pit to the minimum specified size. Provide 12" of backfill in all directions around tree rootballs.
2. Fill planting pit with 12" of water. If water level drops 4" or more within 4 hours, the drainage is sufficient and a drainage channel is not required. If, however, the water level drops less than 4" in 4 hours, additional drainage is required. The Engineer shall be notified immediately of any drainage problems.
3. If the Engineer determines that a subsurface drainage system is required, the Contractor will install at no additional cost.

3.3 PLANTING OPERATIONS

A. Planting:

1. Set trees 2-4 inches higher than finish grade. Place trees centrally in pits so that all tree trunks are straight when viewed from end of row. Leave low profile wire baskets, burlap wrapping and ropes intact around balls. All ropes shall be biodegradable, nylon rope is not acceptable and will result in plant material being rejected.
2. Shrubs shall be set 2 inches higher than finish grade. In the case of container grown shrubs, remove containers before planting and loosen the sides of root ball in several places, fraying the roots on the outside of the ball sufficiently to encourage rapid root extension into the surrounding soil and to prevent girdling of root mass. Plant groundcover and perennials so that the top of the root mass is even with the surrounding grade. Adjust spacing as necessary to evenly fill planting bed with indicated quantity of plants and triangularly spaced layout unless otherwise shown on Drawings. Adjust spacing so plants are within six (6") inches of edge of bed. Planting of shrubs, groundcovers and perennials around tree root balls shall occur beyond the perimeter of the root ball. Do not plant directly over any root balls.
3. Protect plants at all times from sun or drying winds. Plants that cannot be planted immediately on delivery shall be kept in the shade, well protected with soil, mulch, straw or other acceptable material, and shall be kept well watered. Plants shall not remain unplanted for longer than one (1) day after delivery.
4. Mulch all tree pits and shrub beds with shredded hardwood bark immediately after planting, as detailed in the planting details on the landscape drawings. Water all plants immediately after planting.
5. Mulch all perennials and groundcovers with bark fines immediately after planting, as detailed in the planting details on the landscape drawings. Water all plants immediately after planting.

3.4 CLEAN UP AND PROTECTION

A. Clean Up

1. Excess and waste material shall be removed daily. Keep pavement clean and work area in an orderly condition.
2. When planting in an area has been completed, the area shall be cleared of all debris, soil piles, containers and all paved areas swept.

B. Repairs

1. Any damage to existing landscape, paving, or other such features as a result of work related to this contract shall be repaired by the responsible Contractor to its original condition. Treat, repair, or replace damaged work at the Contractor's expense and at no additional cost to the ~~Owner~~ Engineer

~~3.5 MAINTENANCE~~

~~A. Maintenance~~

- ~~1. The Contractor shall be responsible for maintenance until the certificate of substantial completion. After the certificate of substantial completion, the Owner shall be responsible for all aspects of the maintenance. The Contractor should review the site periodically during warranty period to determine what changes, if any, should be made in the maintenance program. Submit all recommended changes in writing to the Engineer.~~

3.6 ACCEPTANCE

A. Completion of the Work

1. Upon completion of work, the Contractor shall notify the Engineer and the Owner at least ten (10) days prior to requested date of substantial completion of all or portions of the work. Engineer will review all of the work and prepare a punch list of work not installed or not installed in conformance with the contract documents. All work in the punch list must be completed within five (5) working days from date of issue. Where work does not comply with requirements, replace rejected work and continue specified maintenance until reviewed by Engineer and found to be acceptable.

B. Certificate of Substantial Completion

1. Certificate of substantial completion will be issued for acceptable work at sole discretion of the Engineer. If punch list items are issued with the certificate, they must be corrected within five (5) working days. If items are not corrected within five (5) working days then the certificate of substantial completion will be revoked and reissued when the punch list items are corrected.

~~C. Warranty~~

- ~~1. Warranty for a period of one (1) year, following the certificate of substantial completion, all work, against any defects (including death and unsatisfactory growth) as determined by the Engineer. Defects resulting from neglect by the Owner, abuse or damage by others, or unusual phenomena or incidents beyond the Contractor's control are exempt. Should questions arise concerning the responsibility of replacement, the Engineer shall be the sole judge of the need for replacement.~~
- ~~2. Remove and replace all work found to be dead or in unhealthy condition during warranty period as determined by Engineer.~~
- ~~3. Replacements shall match adjacent specimens of same species. Replacements are subject to all requirements stated in the contract documents and are subject to review by the Engineer at the project site and should be installed during appropriate planting seasons.~~
- ~~4. Repair grades, paving and any other damage resulting from replacement planting operations, at no additional cost to the Owner.~~

~~D. Final Acceptance~~

- ~~1. One (1) year after date of substantial completion the Engineer will review the work for final acceptance. Upon satisfactory completion of repairs and / or replacements the Engineer will certify, in writing, final acceptance of the work, which will serve as evidence that Contractor's one (1) year warranty obligations have been met.~~

FILE NAME = \$FILE\$

USER NAME = \$USER\$	DESIGNED -- WALSH	REVISED -- 01/27/12 PER IDOT
	DRAWN -- WALSH	REVISED -- 04/11/12 PER IDOT
PLOT SCALE = NONE	CHECKED -- WALSH	REVISED -- 05/14/12 PER IDOT
PLOT DATE = \$DATE\$	DATE -- 06/29/11	REVISED -- 12/04/12 PER IDOT

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

LANDSCAPE SPECIFICATIONS

SCALE: NONE DRAWING NO. 22 OF 33 STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0870	08-00049-00-LS	WILL	33	22
ILLINOIS			CONTRACT NO. 63714	