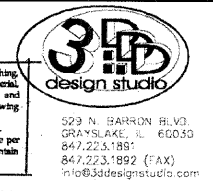


# VILLAGE OF GRAYSLAKE

## ROUTE 45 MEDIAN PLANTING



SHADE TREES			
COMMON NAME	BOTANICAL NAME	QUANT	SIZE
Hackberry	<i>Celtis occidentalis</i>	3	2.5" BB
Kentucky Coffee Tree	<i>Gymnocladus dioica</i>	9	2.5" BB
Northern Catalpa	<i>Catalpa speciosa</i>	9	2.5" BB
"Shade Master" Honeylocust	<i>Gleditsia triacanthos "Shade Master"</i>	11	2.5" BB
Accolade Elm	<i>Ulmus 'Accolade'</i>	13	2.5" BB
"Redmond" Linden	<i>Tilia americana "Redmond"</i>	21	2.5" BB
Alle Lacey Elm	<i>Ulmus parvifolia 'Allee'</i>	4	2.5" BB
"State Street" Miyabe Maple	<i>Acer miyabei "Morton"</i>	5	2.5" BB
ORNAMENTAL TREES			
Japanese Tree Lilac	<i>Syringa reticulata</i>	10	8' BB
"Heritage" River Birch	<i>Betula nigra "Heritage"</i>	7	8' BB
Tiger Eyes" Staghorn Sumac	<i>Rhus typhina "Baltiger"</i>	15	3' #5GAL
SHRUBS			
Gro-Low Sumac	<i>Rhus aromatica "Gro-Low"</i>	51	24" #3GAL
Autumn Jazz Viburnum	<i>Viburnum dentatum 'Autumn Jazz'</i>	56	36" BB
Compact Winged Euonymus	<i>Euonymus alata 'Compacta'</i>	90	36" BB
PERENNIALS			
Black Eyed Susan 'Goldsturm'	<i>Rudbeckia fulgida 'Goldsturm'</i>	114	1 GAL
Purple Coneflower	<i>Echinacea purpurea 'Magnus'</i>	209	1 GAL
Feather Reed Grass	<i>Calamagrostis acutiflora</i>	159	1 GAL
Happy Return Daylily	<i>Hemerocallis 'Happy Return Daylily'</i>	176	1 GAL
Purple Dome Aster	<i>Aster novae-angliae 'Purple Dome'</i>	127	1 GAL
Little Blue Stem	<i>Schizachyrium scoparium</i>	210	1 GAL

### LANDSCAPE GENERAL NOTES:

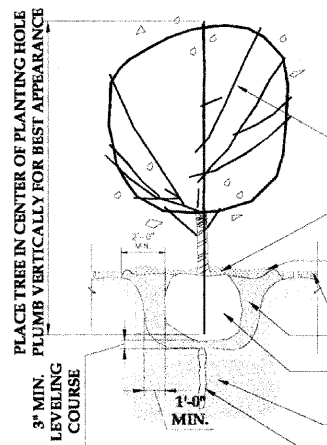
- ALL PLANT MATERIAL IS SUBJECT TO AVAILABILITY AND CORRECT SEASONAL PLANTING PROCEDURE. ANY AND ALL SUBSTITUTIONS REQUEST MUST BE SUBMITTED IN WRITING TO THE OWNER'S REPRESENTATIVE PRIOR TO ORDERING SUBSTITUTION MATERIALS.
- ALL PLANTS SHALL RECEIVE MIN. 3" DEPTH OF SHREDDED HARDWOOD BARK MULCH COVER IN PLANTING BED, INCLUDING PERENNIAL PLANTINGS.
- THE LANDSCAPE CONTRACTOR SHALL STAKE AND LAYOUT ALL INSTALLATIONS AND BEDS FOR APPROVAL BY OWNER'S REPRESENTATIVE. FAILURE TO RECEIVE REVIEW AND APPROVAL MAY BE CAUSE TO REQUIRE THE REMOVAL OF PLANTS AND REINSTALLATION AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL SUPPLY LANDSCAPE PLANTING SOIL MIX FOR ALL PERENNIAL PLANTING BEDS TO CONSIST OF 1/3 TOPSOIL, 1/3 SAND AND 1/3 COMPOSTED MANURE OR "MUSHROOM COMPOST". THIS MIXTURE IS TO BE ROTOTILLED INTO THE SOIL A MINIMUM OF 8" THROUGHOUT THE BED, AFTER INSTALLATION MULCH AS SPECIFIED ABOVE. CONTRACTOR MUST ALSO WORK INTO SOIL TERRA-SORB HB AT A RATE PER THE MANUFACTURER'S RECOMMENDATION ALL SHRUB AND NON-IRRIGATED TREE AND PERENNIAL BEDS. SUBMIT MANUFACTURER'S LITERATURE FOR APPROVAL PRIOR TO IMPLEMENTATION.
- THE CONTRACTOR SHALL PROVIDE A BASE OF 24" OF PULVERIZED IMPORTED TOPSOIL BEFORE PLANTING ANY MATERIAL. ADDITIONALLY, THE CONTRACTOR SHALL PROVIDE A "SLIT" IN THE COMPACTED SUBBASE THROUGH ALL PLANTING BEDS WITH A BACKHOE. SEE TREE PLANTING DETAIL.

Boxed Plan Notes Cost Shall be considered included in the associated Landscaping pay item.

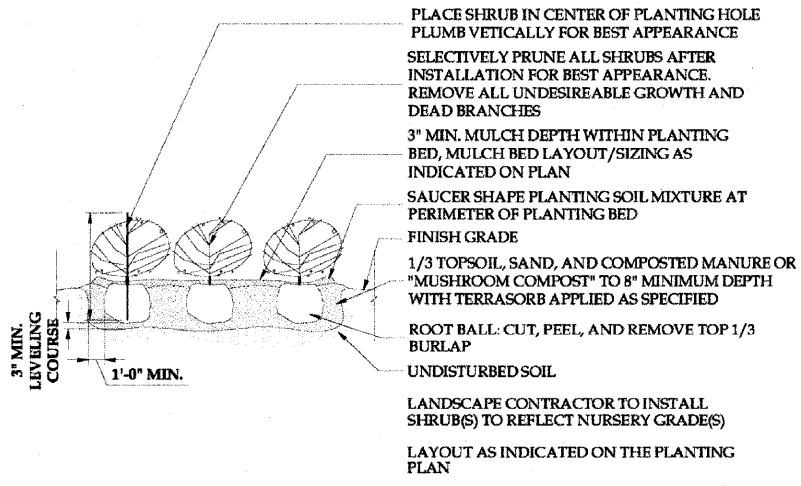
- 1.00 PART 1. DESCRIPTION**  
Provide all materials and equipment, and do all work required to complete the planting, as indicated on the Drawings and specified herein.
- 1.01 REFERENCED STANDARDS**  
American National Standards Institute, Inc. (ANSI): Z601 American Standard for Nursery Stock (Sponsor: American Association of Nurserymen)
- 1.02 SUBMITTALS**  
Samples: The following samples shall be submitted, prior to commencement of work, to the Owner's Representative's office:  
Material: Sample Size or Quantity: 1 cu. ft.  
Mulch: 1 cu. ft.  
Planting soil mix: Package of TerraSorb Water Absorption agent 1 packet  
Craying and Staking: Craying and staking will be Contractor's option, but all guys and/or stakes must be signified with fluorescent marking tape and guying and/or staking must be removed by the Contractor after 4 months growing time. When conditions detrimental to plant growth are encountered, visible fill, adverse drainage conditions, or obstructions, notify Owner's Representative before planting. A reasonable change order bid price may be developed to correct the situation.  
A complete list of plants, including a schedule of plants, quantities and other requirements are shown on herein. In the event that quantity discrepancies or material omissions occur in the plant materials list, the planting plans shall govern. It shall be the responsibility of the Owner's Representative to list those discrepancies and/or omissions on the bid forms as additional work.
- 1.03 SOURCE QUALITY CONTROL**  
Selection of Plant Material  
All landscape plant material will be reviewed by the Owner's Representative. The Contractor will be responsible for coordinating delivery, installation, and maintenance of the trees until Substantial Completion is granted.
- 1.04 DELIVERY, STORAGE AND HANDLING**  
Digging Plant Material  
Plants shall not be dug at the nursery or approved source until the Contractor is ready to transport them from their original locations to the site of the work or acceptable storage location.  
Transportation of Plant Material  
Plants transported to the project in open vehicles shall be covered with tarpaulins or other suitable covers securely fastened to the body of the vehicle to prevent injury to the plants. Closed vehicles shall be adequately ventilated to prevent overheating of the plants.  
Plants shall be kept moist, fresh, and protected at all times. Such protection shall encompass the entire period during which the plants are in transit, being handled, or are in temporary storage.
- 1.05 REJECTION OF MATERIALS**  
Evidence of inadequate protection following digging, carelessness while in transit, or improper handling or storage, shall be cause for rejection. Should the roots be dried out, large branches be broken, balls of earth broken or loosened, or areas of bark be torn, the Owner's Representative will reject the injured plants.  
When a plant has been rejected, remove it from the area of the work and replace it with one of the equal or greater required size and quality. This type of replacement is not operationally an required guarantee.
- 2.00 PART 2. MATERIALS**  
**2.01 PLANTS**  
Size and grade of plant materials shall conform to ANSI Z601. In no case shall ball size be less than 11 in. in diameter per inch of caliper.  
Plants shall have outstanding forms: symmetrical, heavily branched with an even branch distribution; fully established and/or balled; and a strong straight, distinct leader where this is characteristic of species. Plants shall possess a normal balance between height and spread. The Owner's Representative will make final determination as to the acceptability of plant forms.  
Plants shall be healthy and vigorous, free of disease, and insect pests, and shall have a well developed fibrous root system.  
Plants shall be free of physical damage such as scrapes, broken or split branches, scars, bark abrasions, unhealed fresh limb cuts, knots, or other defects.
- 2.02 PLANTING SOIL MIX**  
Excavated material from plant pits can be used as backfill planting mixture provided it is free of heavy clumps and debris and is amended with 1/4 part topsoil or 1/4 part well aged manure and provided it is approved by the Owner's Representative.  
ALL Planting pits MUST be amended with TerraSorb water absorbing agent.  
Contractor to supply samples for acceptance prior to commencing with installation.  
Planting soil shall have pH value range of 5.5 to 7.0.  
If planting soil moisture does not fall within the required pH range, limestone or aluminum sulfate shall be added to bring the pH within the specified limit.
- 2.03 COMMERCIAL FERTILIZER**  
Fertilizer content shall conform to the following:  

Constituent	% Percent by Weight
Nitrogen (N)	5
Phosphorus (P)	10
Potassium (K)	10
- 2.04 MULCH**  
Mulch shall be 6 month old well rotted shredded native hardwood bark mulch not larger than 4" in length and 1/2" in width, free of woodchips and sawdust.
- 3.00 PART 3. CONSTRUCTION REQUIREMENTS**  
**3.01 LAYOUT OF PLANTING AREAS**  
The Owner's Representative shall approve locations of plants prior to planting. The Owner's Representative has the right and authority to require all shrubs and perennials be set in place by the Owner's Representative and/or a laborer for approval prior to planting. Failure to receive approval prior to planting will be cause for the Owner's Representative to request the planting locations be revised at no additional expense to the Owner.  
**3.02 UTILITIES**  
It is the responsibility of the Contractor to obtain accurate utility location information from the appropriate sources and review it fully prior to construction. Contractor to have I.U.L.L.E. identifying locations as required to coordinate planting.  
Prior to the start of the work, the Contractor shall verify to his satisfaction that all utilities both above and below ground, will not interfere or conflict with excavation or other essential activities. Any detected conflict between existing structures, irrigation, paving, utilities, or other facilities and the work of this project shall be called to the Owner's Representative's attention before proceeding with the work.  
**3.03 PLANT PIT EXCAVATION**  
When conditions detrimental to plant growth are encountered, such as rubble fill, debris or obstructions, notify the Owner's Representative before planting.  
**3.04 PLANTING**  
Walls of plant pits shall be dug so that they are vertical and scarified. If obstructions are encountered that are not shown on the drawings do not proceed with planting operations until alternate plant locations have been selected by Owner's Representative, or arrangements for removal of the obstruction have been approved by Owner's Representative.  
Planting shall be positioned in center of planting pit, set plumb, and rigidly bound in position until all planting soil has been tamped around the ball.  
Pits shall be backfilled with planting soil mix. Soil shall be worked carefully into voids and pockets, tamping lightly every 6 in.  
When pit is two thirds full, plants shall be watered thoroughly, and water left to soak in before proceeding.  
At this time, ropes or strings on top of ball shall be cut and shall be pulled back. Burlap or cloth wrapping shall be left intact around ball except that portions of wrap that are exposed at top of ball shall be turned under and buried. Non-biodegradable ball wrapping and support wire shall be totally removed from ball and planting pit.  
Backfilling and tamping shall be finished and a sensor formed around plants.  
Sensor shall be filled with water left to soak in. Fill sensor with water again.  
**3.05 PRUNING**  
Prune branches of deciduous stock, after planting, to balance the loss of roots and preserve the natural character appropriate to the particular plant requirements. In general, remove 1/4 to 1/3 of the leaf bearing buds, proportion shall in all cases be acceptable to the Owner's Representative. Remove or cut back broken, damaged and unsymmetrical growth of new wood.  
Multiple leader plants: Preserve the leader which will best promote the symmetry of the plant. Cut branches flush with the trunk or main branch, at a point beyond a lateral shoot a distance not less than 1/2 the diameter of the supporting branch.  
Prune evergreens only to remove broken or damaged branches.  
**3.06 BED SIZING**  
All bed edges and tree rings shall be spade edged. Spade edge shall be a maximum of 2 1/2" deep and a minimum of 1 1/2" deep.  
**3.07 MAINTENANCE OF PLANTING**  
Maintenance shall begin immediately after each plant is planted and shall continue until written approval of Substantial Completion in each work area. Cost for this work shall be included in the unit price of each plant. After approval of Substantial Completion, maintenance shall become the responsibility of the Owner.

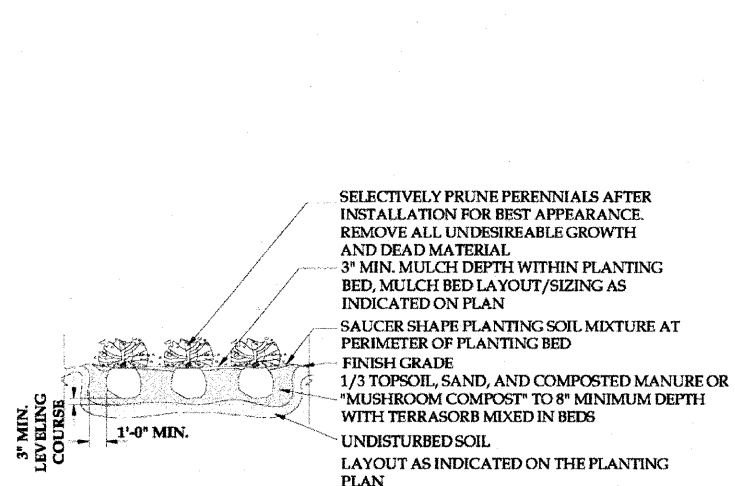
- NOTES:
- LANDSCAPE CONTRACTOR SHALL CONFIRM TREE PIT DOES NOT HOLD WATER.
  - LANDSCAPE CONTRACTOR TO INSTALL TREE AT ELEVATION OF NURSERY GRADE
  - LAYOUT AS INDICATED ON THE PLANTING PLAN
  - SELECTIVELY PRUNE TREE AFTER INSTALLATION FOR BEST APPEARANCE. REMOVE ALL SUCKER GROWTH AND DEAD BRANCHES
  - 3" MIN. MULCH DEPTH AT BASE OF TREE, MULCH RING DIA. AS INDICATED ON PLAN
  - SAUCER SHAPE PLANTING SOIL MIXTURE AT PERIMETER OF MULCH RING
  - FINISH GRADE
  - 1/3 TOPSOIL, SAND, AND COMPOSTED MANURE OR "MUSHROOM COMPOST" THROUGHOUT PLANTING PIT
  - ROOT BALL: WIRE CAGES MAY REMAIN. CUT, PEEL, AND REMOVE TOP 1/3 BURLAP AND ROPES FROM TREE BASE UNDISTURBED SOIL
  - PUT "SLIT" IN SOIL WITH BACK HOE THROUGH ALL PLANTING BEDS AFTER ROAD CONSTRUCTION IS COMPLETE. THIS WILL ALLOW ROOTS TO ESTABLISH THROUGH THE COMPACTED SOIL FROM THE ROAD CONSTRUCTION.



1 Tree Planting Detail  
SCALE: NTS



2 Shrub Planting Detail  
SCALE: NTS



3 Perennial Planting Detail  
SCALE: NTS

△ New Sheet

△ Addendum I April 7, 2009

APRIL 1, 2009  
SHEET 4 OF 4

FILE NAME = W:\email\NUS45\Rt45MedianPlanting.dgn	USER NAME = lejso	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LANDSCAPING plan	F.A.P. RTE. 344	SECTION (46-1847) WRS-3	COUNTY Lake	TOTAL SHEETS 176	SHEET NO. 93D
PLOT SCALE = 5/8"=20'00" / 1" =	CHECKED -	REVISOR -	REVISOR -	SCALE:	SHEET NO. OF SHEETS STA. TO STA.	U.S. Route 45 Reconstruction CONTRACT NO. 60957				
PLOT DATE = 4/6/2009	DATE -	REVISOR -	REVISOR -	ILLINOIS FED. AID PROJECT						