GENERAL NOTES FOR TREE PROTECTION

1. Protect and ensure the continued good health of existing trees identified on the plans of the project. Remove all existing trees within the preferred root protection zone.

2. Remove the barrier of a tree care specialist to perform any identified tree operations. Such operations shall be performed by a certified arborist or professional urban forester.

3. Ensure the health of all trees identified on the plans or directed by the engineer.

4. Erect protective fencing at all trees, groups of trees, or other features as shown on the plans and will be disposed of off-site.

5. Erect protective fencing at all trees, groups of trees, or other features as shown on the plans and will be disposed of off-site.

DEFINITIONS

1. DRIPLINE - The line on the ground directly below the outer tips or ends of the trunk to the dripline.

2. CRITICAL ROOT ZONE (CRZ) - The area from the dripline of the tree to a depth of 3 feet (3') below the existing grade.

3. HAND-DIG - To expose major tree roots of one-inch (1") diameter or greater.

4. DRIPLINE OF TREE - The line on the ground directly below the outer tips or ends of the trunk.

5. DRIPLINE OF TREE - The line on the ground directly below the outer tips or ends of the trunk.

6. PROTECTIVE BERM - A filter berm composed of wood chips to the dimensions and location shown in the plans or directed by the engineer.

7. PROTECTIVE FENCE - A protective fence extending out from the tree to a distance equal to the half of the distance from the trunk to the drip line.

8. TREE CARE SPECIALIST - A certified arborist or professional urban forester.

9. SIGNAGE FOR PROTECTED AREAS - Signs shall be located according to the plans and will be disposed of off-site.

10. MAINTAIN ALL TREE PROTECTION MATERIALS THROUGHOUT ENTIRE LENGTH OF PROJECT. REPAIR ANY DAMAGED TREE PROTECTION MATERIALS IMMEDIATELY AT THE CONTRACTOR'S EXPENSE. ADDITIONAL ****************************************************************************

11. PRUNE ROOTS WITH SHARP, CLEAN TOOLS DESIGNED FOR THAT PURPOSE. BACKFILL EXPOSED ROOT ENDS WITH GOOD QUALITY TOPSOIL AS SOON AS POSSIBLE OR COVERED WITH SIX INCHES (6") SHREDDED HARDWOOD MULCH WITHIN THE SAME PERIOD.

12. IF ROOT REMOVAL OR EXCAVATION IS UNAVOIDABLE WITHIN THE PREFERRED ROOT PROTECTION ZONE, HAND-DIG TO EXPOSE MAJOR TREE ROOTS OF ONE-INCH (1") DIAMETER OR GREATER. ONCE EXPOSED, SECURE WOOD PLANKING TO THE TRUNK. THE PLANKING SHALL BE NOMINAL 2X4 DIMENSION HARDWOOD LUMBER SECURED WITH A ROPE, BAND, OR STRAP OF SUFFICIENT DURABILITY TO REMAIN IN PLACE FOR THE DURATION OF THE PROJECT.

13. PRUNE ANY ROOTS EXPOSED BY CONSTRUCTION FLUSH WITH THE SOIL. BACKFILL ROOT AREAS WITH GOOD QUALITY TOPSOIL AS SOON AS POSSIBLE OR COVERED WITH SIX INCHES (6") SHREDDED HARDWOOD MULCH WITHIN THE SAME PERIOD.

14. IF PROTECTION IS NEEDED TO PROTECT THE PROTECTIVE FENCING WITHIN SIX FEET (6') OF THE TRUNK, SECURE WOOD PLANKING TO THE TRUNK. THE PLANKING SHALL BE NOMINAL 2X4 DIMENSION HARDWOOD LUMBER SECURED WITH A ROPE, BAND, OR STRAP OF SUFFICIENT DURABILITY TO REMAIN IN PLACE FOR THE DURATION OF THE PROJECT.

15. FOR PROPOSED UNDERGROUND UTILITIES SHOWN ELSEWHERE IN THE PLANS THAT CROSS THE CRITICAL ROOT ZONE, REPLACE PROTECTIVE FENCING TO ITS ORIGINAL POSITIONS AS SOON AS POSSIBLE AFTER THE HARDSCAPING IS COMPLETE.

CONSTRUCTION METHODS

1. PERFORM THE FOLLOWING: A. REMOVE ANY EXISTING TREE ROOTS AND ARRANGE THEM IN A VERTICAL LINE, B. PERFORM ANY REQUIRED BARK REMOVAL OR PRUNING OF THE TREE, C. PERFORM ANY NEEDED DRAINAGE OR EROSION CONTROL MEASURES, D. PERFORM ANY REQUIRED BACKFILL OR SOIL REMOVAL OR ADDITION, E. PERFORM ANY REQUIRED ROOT REMOVAL OR EXCAVATION, F. PERFORM ANY REQUIRED TREE PRUNING OR CHEMICAL APPLICATION.

2. PERFORM THE FOLLOWING: A. INSERT THE TREE INTO ITS ORIGINAL LOCATION, B. PERFORM ANY REQUIRED DRAINAGE OR EROSION CONTROL MEASURES, C. PERFORM ANY REQUIRED BACKFILL OR SOIL REMOVAL OR ADDITION, D. PERFORM ANY REQUIRED TREE PRUNING OR CHEMICAL APPLICATION.

3. PERFORM THE FOLLOWING: A. INSERT THE TREE INTO ITS ORIGINAL LOCATION, B. PERFORM ANY REQUIRED DRAINAGE OR EROSION CONTROL MEASURES, C. PERFORM ANY REQUIRED BACKFILL OR SOIL REMOVAL OR ADDITION, D. PERFORM ANY REQUIRED TREE PRUNING OR CHEMICAL APPLICATION.

4. PERFORM THE FOLLOWING: A. INSERT THE TREE INTO ITS ORIGINAL LOCATION, B. PERFORM ANY REQUIRED DRAINAGE OR EROSION CONTROL MEASURES, C. PERFORM ANY REQUIRED BACKFILL OR SOIL REMOVAL OR ADDITION, D. PERFORM ANY REQUIRED TREE PRUNING OR CHEMICAL APPLICATION.

5. PERFORM THE FOLLOWING: A. INSERT THE TREE INTO ITS ORIGINAL LOCATION, B. PERFORM ANY REQUIRED DRAINAGE OR EROSION CONTROL MEASURES, C. PERFORM ANY REQUIRED BACKFILL OR SOIL REMOVAL OR ADDITION, D. PERFORM ANY REQUIRED TREE PRUNING OR CHEMICAL APPLICATION.

6. PERFORM THE FOLLOWING: A. INSERT THE TREE INTO ITS ORIGINAL LOCATION, B. PERFORM ANY REQUIRED DRAINAGE OR EROSION CONTROL MEASURES, C. PERFORM ANY REQUIRED BACKFILL OR SOIL REMOVAL OR ADDITION, D. PERFORM ANY REQUIRED TREE PRUNING OR CHEMICAL APPLICATION.

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