

 DATE:	ISSUED FOR:

- 1. Plans Entitled, 'Preliminary Submission for Willow Lakes Independent Living; A.P. 16, Lot 3; New London Turnpike; Coventry, Rhode Island'; Prepared By: Millstone Engineering, P.C.; Dated:
- By WLS Lighting; Sheet 1 of 1; Scale: 1" = 50'; Dated: 3/17/21

Willow Lakes Independent



Kevin M. Alverson

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Sheet 1 of 2

LANDSCAPE REQUIREMENTS:

TOWN OF COVENTRY, RI, TOWN ORDINANCE, Chapter 255: Zoning Article IX - Supplemental Regulations

REQUIRED:

Section 255-920C.: Vision Clearance at Corners: 'At street intersections or corners of streets...no vegetation shall be planted or maintained...to materially impeded vision between the heights of two feet and 10 feet above the triangle formed by the two street lines and a third line joining points on the street

lines 20 feet from the intersection. Article XII - Standards for Parking Lots and Loading Facilities

Section 255-1200H.: Required Trash Areas: 'All Commercial...and multifamily residential uses shall provide trash and/or garbage collection areas...enclosed on at least three sides by a solid wall, opaque fence or compact planting screen of at least five feet in height if such area is not within an enclosed building or structure.'

Article XIV - Land Development Projects

REQUIRED:

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Section 255-1450D.: Landscaping and Screening "...In particular, the following uses and areas within the development shall be screened from adjacent residential districts or public streets: (1) Off-street parking areas; (2) Service areas for loading and unloading...and collection of trash and garbage; (3)

Article XVII - Landscaping

REQUIRED:

Section 255-1730A... ...minimum landscaped buffer by feet in width for different land uses. Existing woodlands which meet these minimum sizes may substitute for landscaping if these buffers exceed the minimum...; Commercial Use/Single Family House: 20 feet...

Landscape plans shall...provide adequate visual and noise buffer between adjacent land uses...(1) Shrubs shall form a continuous visual screen of at least three feet in height...

Section 255-1740D.: 'Landscape plans shall...provide adequate visual and noise buffer between adjacent land uses...(3) Every 35 linear feet of landscaping [between adjacent land uses] shall contain one shade tree and five shrubs. Two ornamental or two evergreen trees may substitute for one shade tree..

North Project Perimeter:

Approximately 1,200 LF divided by 35 = 34.3 or 35 Trees and 175

East Project Perimeter:

Approximately 415 LF divided by 35 = 11.8 or 12 Trees and 60

South Project Perimeter: Approximately 900 LF divided by 35 = 25.7 or 26 Trees and 130

Shrubs required

Section 255-1740E.: Perimeter landscapes shall be provided to separate commercial, office, and industrial uses from the street. At least a ten-foot strip shall be landscaped..

Section 255-1750A.(1): Landscape Setbacks 'Provide at least a ten-foot-wide landscaped area...between the street and the parking lot, to be planted with shade or ornamental trees, and at least a three-foot-high evergreen hedge...

Provide a landscape strip around the perimeter of the lot, to be plant...in compliance with {[255-1730A.]. Provide a minimum of

one shade tree per every 40 feet of lot perimeter...'

East Parking Lots: Approximately 1,020 LF of Parking Lot Perimeter (Main Lot (745 LF) + Small, Single Loaded Parking Areas at East of Proposed Building (275 LF)) Divided by 40 LF = 25.5 or 26 Trees Required

West Parking Lots: Approximately 1,665 LF of Parking Lot Perimeter (Main Lot (1,395

LF) + Small, Single Loaded Parking Areas at North and South of Proposed Building (270 LF)) Divided by 40 LF = 41.6 or 42 Trees

Section 255-1750C.: 'Provide a minimum of 5% interior landscaping for the purpose of planting shade trees...

Approximately 45,275 SF of Parking Lots (Main Lot (38,600 SF) + Small, Single Loaded Parking Areas at East of Proposed Building (6,675 SF) x .05 = 2,263.8 or 2,264 SF of Landscaping Required

Approximately 62,685 SF of Parking Lots (Main Lot + Small, Single Loaded Parking Areas at North and South of Proposed Building) x .05 = 3,134.3 or 3,135 SF of Landscaping Required

Section 255-1750d.: ...Mechanical equipment, trash, and loading areas shall be screened by walls, fences, or landscaping.'

No vegetation shall be planted or maintained in a manner that will impeded vision between the heights of two feet and 10 feet above the noted Vision Clearance Triangle.

Trash Enclosure will be enclosed by an opaque screen of at least five feet in height. Trash Enclosure location will also be screened by dense evergreen buffer from abutting residential uses and public roadways.

PROPOSED:

All Off-street parking areas, services areas, and utility area are proposed to be buffered by topography and evergreen plantings from any adjacent residential uses or public streets.

The proposed project is buffered by a minimum of 20' of existing vegetation to be retained and/or a supplemental evergreen buffer of new proposed vegetation.

The project area is proposed to be screened at it's perimeter, where it abuts adjacent land uses, by an existing and/or supplemented vegetative buffer of at least 3' in height at time of

North Project Perimeter:

Greater than 35 Existing Trees and 175 Shrubs to remain (existing woodland buffer to remain). Existing buffer will be supplemented with 15 Evergreen Trees (Equal to 7 Shade Trees)

6 New Deciduous Trees + 33 New Evergreen Trees (Equal to 16 Shade Trees) + Greater than 6 Existing Trees to Remain = Greater than 28 Trees

35 New Shrubs + Greater than 25 Existing Shrubs to Remain = Greater than 60 Shrubs

South Project Perimeter: Greater than 26 Existing Trees and 130 Shrubs to remain (existing woodland buffer to remain). Existing buffer will be supplemented with 27 Evergreen Trees (Equal to 13 Shade Trees)

Greater than 10' wide Landscaped Area is Proposed between the Proposed Parking Lot and Public Roadways/Streets. This will be

planted with a mixture of Evergreen and Deciduous Trees and

Shrubs (including a Dense Evergreen Hedge greater than 3' High).

Greater than 10' wide Landscape Strip is Proposed to Separate the

East Parking Lots: 26 New Shade Trees Proposed at Perimeter of

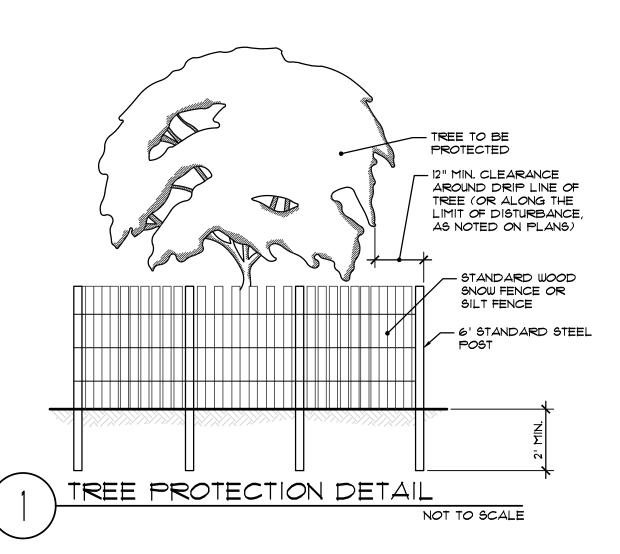
East Parking Lots

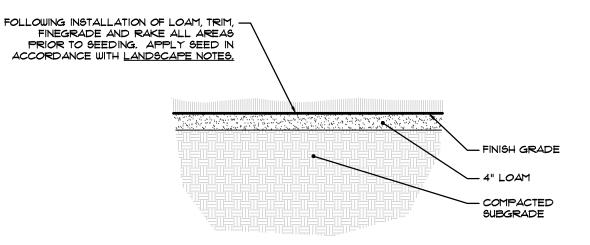
West Parking Lots: 19 New Shade Trees Proposed and Greater than 23 Existing Trees to be Retained at Perimeter of East Parking Lots (Greater than 42 Total Trees Proposed at Parking Lot

East Parking Lots: Approximately 5,840 SF of Interior Landscaping Proposed (Landscape Islands) or 13 % Interior Landscaping

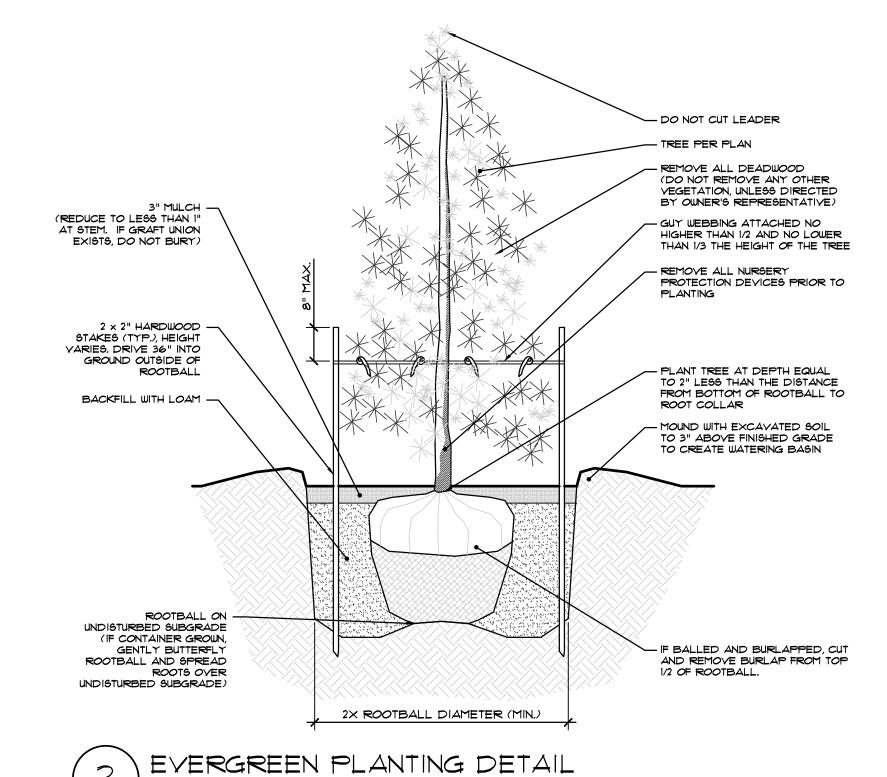
West Parking Lots: Approximately 8,120 SF of Interior Landscaping Proposed (Landscape Islands) or 13 % Interior Landscaping

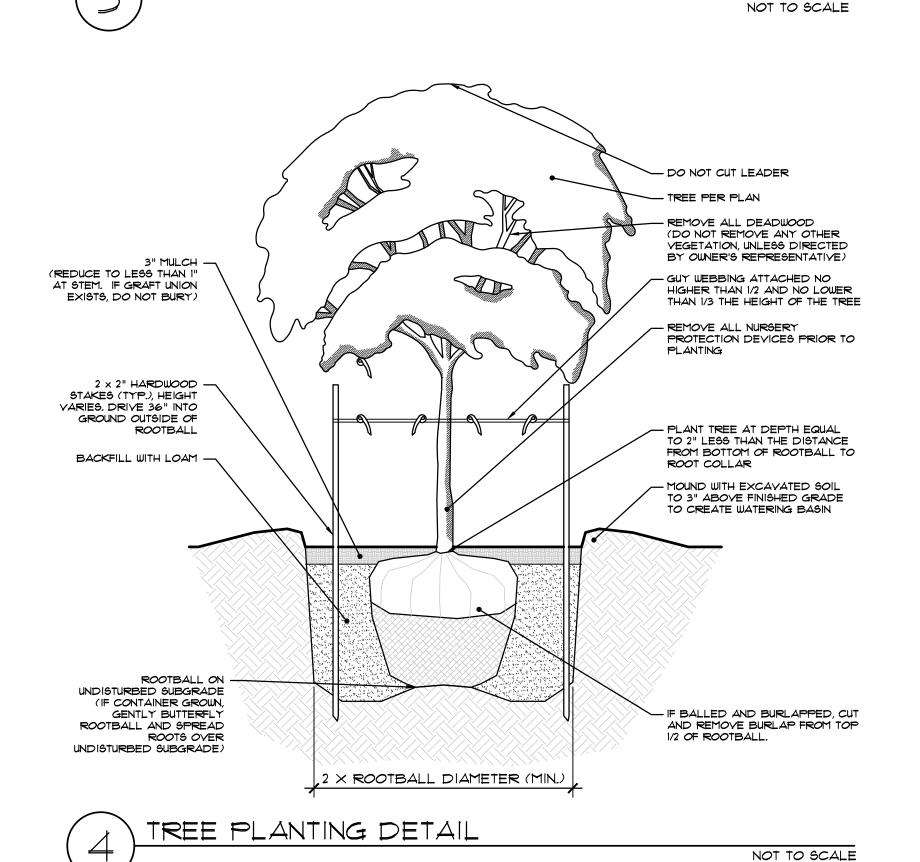
> All proposed Mechanical Equipment, Trash Collection Areas, and Loading Areas are proposed to be screened from abutting residences and public roadways by Solid Fencing, Building Walls, and/or Vegetative Buffering.

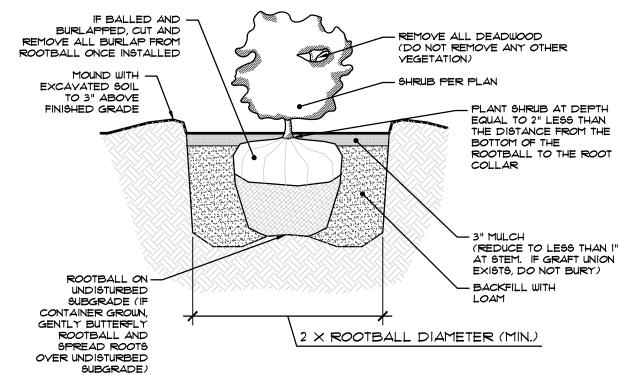












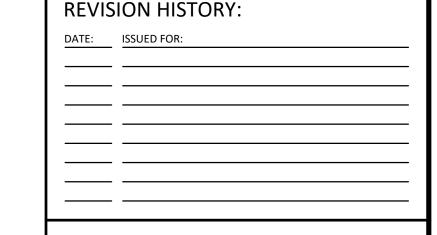


GENERAL NOTES:

- 1. SEE ENGINEER'S PLANS FOR ALL SITE LAYOUT, GRADING, DRAINAGE, AND UTILITY DESIGNS (SEE REFERENCES).
- 2. SEE LIGHTING DESIGNER'S PLANS FOR ALL SITE LIGHTING DESIGN (SEE REFERENCES).
- 3. SEE ARCHITECT'S PLANS FOR ALL BUILDING DESIGN COMPONENTS.
- 4. ALL WORK AND MATERIALS SHALL BE IN CONFORMANCE WITH THE RHODE ISLAND STANDARD SPECIFICATIONS, AS AMENDED.
- 5. THIS PLAN IS FOR PERMITTING PURPOSES AND IS INTENDED TO BE AN ACCURATE GUIDELINE FOR LAYOUT AND SPECIFICATION OF LANDSCAPE PLANTINGS ONLY. CONTRACTOR SHALL VERIFY ACTUAL AS-BUILT ON-SITE CONDITIONS PRIOR TO COMMENCING CONSTRUCTION PROCEDURES.
- 6. UTILITIES ARE PLOTTED FROM BEST AVAILABLE INFORMATION AND SITE OBSERVATIONS. CONTRACTOR SHALL VERIFY UTILITY LOCATIONS BY CONTACTING DIG SAFE (888-DIG-SAFE (344-7233) or Dial 811), IN ACCORDANCE WITH THE LAWS OF THE STATE OF RI. CONTRACTOR SHALL PROTECT EXISTING UTILITIES DURING CONSTRUCTION. DAMAGE TO ANY ABOVE OR BELOW-GROUND UTILITIES SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OR HER OWN EXPENSE.
- 7. ALL LOAM IN DISTURBED AREAS TO BE STOCKPILED FOR FUTURE USE AND/OR REMOVED OFFSITE TO AN APPROPRIATE FACILITY.
- 8. ALL EXCESS SOILS, BOULDERS, STUMPS AND OTHER MATERIALS SHALL BE DISCARDED OFFSITE IN AN ACCEPTABLE MANNER TO ALL STATE, AND MUNICIPAL REGULATIONS. ALL MATERIALS THAT ARE REMOVED AND DISPOSED SHALL BE DONE SO IN A LEGAL MANNER AND FOLLOW THE SOIL EROSION CONTROL PLAN AT OWNER'S DIRECTION.
- 9. CONTRACTOR TO PERFORM DAILY HOUSEKEEPING ONSITE. CONTRACTOR SHALL SWEEP DAILY ANY TRACKING ONTO EXISTING PARKING AREA TO PREVENT FROM ENTERING THE DRAINAGE SYSTEM

LANDSCAPE NOTES:

- 1. THE CONTRACTOR SHALL PERFORM ALL WORK IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS, AND SHALL OBTAIN ALL NECESSARY PERMITS FOR THE PROJECT.
- 2. THE CONTRACTOR SHALL INSTALL ALL PLANT MATERIAL IN CONFORMANCE WITH THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, AND THE CURRENT PLANTING PROCEDURES ESTABLISHED BY THE AMERICAN NURSERY & LANDSCAPE ASSOCIATION. FORMERLY THE AMERICAN ASSOCIATION OF NURSERYMEN.
- 3. ALL PLANT MATERIAL SHALL MEET THE AMERICAN NURSERY & LANDSCAPE ASSOCIATION, FORMERLY THE AMERICAN ASSOCIATION OF NURSERYMEN, STANDARDS FOR NURSERY STOCK, LATEST EDITION, AND ITS AMENDMENTS. PLANT ONLY DURING SEASONS NORMAL TO THE
- 4. ALL PLANTINGS SHALL BE SIZED IN ACCORDANCE WITH THE SIZES INDICATED ON THE PLANT SCHEDULE, UNLESS OTHERWISE APPROVED BY OWNER'S REPRESENTATIVE.
- 4.1. SPECIFIED PLANT VARIETIES, QUANTITIES, AND SIZES ARE SUBJECT TO AVAILABILITY AT TIME OF ORDERING AND INSTALLATION. ALL PLANT SUBSTITUTIONS AND/OR CHANGES IN PLANT LOCATION OR SIZE MUST BE APPROVED BY THE OWNER'S REPRESENTATIVE. 5. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING THE SITE CLEAN OF MISCELLANFOLDS DEBRIS THROUGHOLD THE CONSTRUCTION PERIOD. ALL
- WASTE MATERIAL IS TO BE DISPOSED OF IMMEDIATELY TO AN OFF-SITE LOCATION, UNLESS OTHERWISE INDICATED ON THE PLANS.
- 6. MAINTENANCE AND WARRANTY: 6.1. ALL PLANTINGS SHALL BE MAINTAINED BY THE OWNER OR CONTRACTOR FROM THE TIME OF PLANTING UNTIL THE PLANTINGS ARE ESTABLISHED. MAINTENANCE DURING THIS PERIOD SHALL INCLUDE WATERING OF PLANTINGS AS NECESSARY TO ENSURE PROPER
- ESTABLISHMENT OF PLANTINGS. FOLLOWING ESTABLISHMENT OF PLANTINGS, OWNER SHALL MAINTAIN ALL LANDSCAPING THROUGHOUT 6.2. CONTRACTOR SHALL PROVIDE A TWO (2) YEAR WARRANTY ON ALL NEW PLANTINGS. SHOULD NEW PLANT MATERIAL DIE (OR DECLINE TO THE POINT WHERE PLANT IS EXPECTED TO DIE) WITHIN THIS WARRANTY PERIOD (OTHER THAN DUE TO NATURAL FACTORS, NATURAL
- DISASTER, OR NEGLECT), CONTRACTOR SHALL REMOVE THE PLANT AND REPLACE SAID PLANT MATERIAL WITH NEW PLANTINGS IN ACCORDANCE WITH THE SIZE AND VARIETY SPECIFIED. ALL REPLACEMENT PLANT MATERIAL SHALL CARRY A NEW TWO (2) YEAR WARRANTY STARTING FROM THE DATE OF REPLACEMENT. CONTRACTOR SHALL REMOVE ALL STAKES, GUY WIRES, AND TAPE FROM TREES AT THE END OF THE SPECIFIED WARRANTY PERIOD.
- 7. FINAL LOCATIONS OF ALL NEW PLANTINGS SHALL BE ADJUSTED AS NECESSARY BASED ON FINAL AS-BUILT LOCATIONS OF ALL NEW AND EXISTING UTILITIES AND OTHER SITE IMPROVEMENTS.
- 8. EXISTING VEGETATION PROTECTION LINE: PROTECTIVE BARRIERS ARE TO BE INSTALLED ALONG THE LIMIT OF DISTURBANCE ABUTTING EXISTING VEGETATION TO REMAIN. BARRIERS SHALL NOT BE SUPPORTED BY THE PLANTS THEY ARE PROTECTING, BUT SHALL BE SELF SUPPORTING. THEY SHALL BE A MINIMUM OF THREE-FOUR FEET (3-4') HIGH AND CONSTRUCTED OF A DURABLE MATERIAL, SUCH AS SNOW OR SILT FENCE, THAT WILL LAST UNTIL CONSTRUCTION IS COMPLETED. PRUNING OF ANY DAMAGED ROOTS SHALL BE DONE IN ACCORDANCE WITH GOOD HORTICULTURAL PRACTICES, UTILIZING ONLY CLEAN SHARP TOOLS - NO AXES TO BE USED FOR PRUNING. CARE SHALL BE TAKEN NOT TO DISPOSE OF PAINT OR ANY OTHER SOLVENTS THAT MAY CHANGE THE SOIL STRUCTURE IN OR AROUND THE ROOTZONE OF VEGETATION SPECIFIED TO REMAIN.
- 9. LOAM AND COMPOST: ALL LOAM USED AS PLANTABLE SOIL SHALL HAVE A SANDY LOAM TEXTURE RELATIVELY FREE OF SUBSOIL MATERIAL, STONES, ROOTS, LUMPS OF SOIL, TREE LIMBS, TRASH, CONSTRUCTION DEBRIS, OR OTHER OBJECTIONABLE MATERIAL. NEW PLANTING BEDS
- 9.1. COMPOST SHALL BE A WELL DECOMPOSED, STABLE, WEED FREE ORGANIC MATTER SOURCE. IT SHALL BE DERIVED FROM AGRICULTURAL. FOOD, AND/OR YARD TRIMMINGS. THE PRODUCT SHALL CONTAIN NO SUBSTANCES TOXIC TO PLANTS AND SHALL BE REASONABLY FREE (LESS THAN 1 PERCENT BY DRY WEIGHT) OF MAN-MADE FOREIGN MATTER.
- 10. WATERING: THOROUGHLY WATER ALL PLANTS WHEN 2/3 OF BACKFILL HAS BEEN PLACED TO ENSURE ALL AIR POCKETS ARE REMOVED. FIRMLY TAMP SOIL AROUND PLANT. ENSURE PROPER WATERING OF PLANT MATERIAL UNTIL ESTABLISHMENT (ONCE PER DAY FOR 14 DAYS FOLLOWING INSTALLATION, OR AS NEEDED DEPENDING ON FREQUENCY AND QUANTITY OF NATURAL RAIN FALL). MONITOR SOIL MOISTURE WITHIN ROOTZONE OF PLANTINGS PRIOR TO AND FOLLOWING EACH WATERING PROCEDURE. DO NOT OVERWATER OR SATURATE ROOTZONE OF PLANTINGS FOR PROLONGED PERIOD OF TIME
- 11. PRUNING: ALL PLANTING MATERIAL SHALL BE PRUNED IN ACCORDANCE WITH GOOD HORTICULTURAL PRACTICES, AND IN SUCH A MANNER AS TO MAINTAIN THE NATURAL FORM OF THE PLANT. PRUNING SHALL BE COMPLETED UTILIZING ONLY CLEAN SHARP TOOLS. USE OF AXES FOR
- 11.1. PRUNE ALL PLANT MATERIAL TO REMOVE ANY AND ALL DEADWOOD.
- 12. MULCH: ALL PLANTINGS SHALL BE MULCHED AS INDICATED ON DETAIL DRAWINGS. PLANTINGS INSTALLED IN CLUSTERS, OR WITHIN PLANTING SEDS SHALL BE MULCHED AS SUCH, INSTALLING MULCH THROUGHOUT THE ENTIRE PLANTING BED. MULCH TO BE 2"-3", OR AS OTHERWISE NOTED, IN DEPTH AND REDUCED TO LESS THAN 1" AT ROOT FLARE OF EACH PLANT.
- 12.1. BARK MULCH, WHERE INDICATED, SHALL BE WELL-AGED, SHREDDED BARK MULCH, NATURAL DARK BROWN IN COLOR AND NON-DYED, OR AS APPROVED BY OWNER'S REPRESENTATIVE. 13. LOAM AND SEED:
- 13.1. LOAM AND SEED ALL DISTURBED AREAS. ALL NEW LAWN AREAS SUBJECT TO EROSION SHALL BE STABILIZED UTILIZING JUTE MESH OR
- 13.2. LOAM UTILIZED FOR LAWN AREAS SHALL BE SANDY LOAM, 4"-6" IN DEPTH, AND CONFORMING TO THE REQUIREMENTS OF THE USGA FOR 13.3. <u>SEED MIX:</u>
- 13.3.1. SEED MIX UTILIZED FOR DETENTION/INFILTRATION BASINS SHALL BE AS NOTED ON ENGINEER'S PLANS.
- 13.3.2. SEED MIX UTILIZED FOR LAWN AREAS SHALL BE SIMILAR TO 'Endophyte Enhanced Mix' AS AVAILABLE THROUGH ALLEN'S SEED, EXETER, RI, OR EQUAL, DROUGHT TOLERANT, DEEP-ROOTING GRASS SEED, CONTAINING A MINIMUM OF 30% BY WEIGHT OF TURF-TYPE TALL
- 30% Improved Perennial Rye, 30% Turf Type Tall Fescue, 30% Chewings Fescue, 10% Kentucky Bluegrass 98/85 IF UTILIZING SOD, SOD SHALL ALSO BE COMPRISED OF DROUGHT TOLERANT, DEEP-ROOTING TURF GRASS, CONTAINING TURF-TYPE TALL FESCUE, SIMILAR TO 'BLACK-BEAUTY' VARIETY SOD, AS AVAILABLE THROUGH SODCO, INC., EXETER, RI, OR EQUAL.
- 13.4. IF INSTALLING SEED UTILIZING HYDROSEEDER DEVICE, PROVIDE FIBER MULCH AND FERTILIZER MIX.
- 13.5. IF BROADCAST SEEDING, TOPDRESS WITH 2" STRAW MULCH, FOLLOWING SPREADING OF SEED.



REFERENCES:

- 1. Plans Entitled, 'Preliminary Submission for Willow Lakes Independent Living; A.P. 16, Lot 3; New London Turnpike; Coventry, Rhode Island'; Prepared By: Millstone Engineering, P.C.; Dated:
- March 2021, with Revisions Through 12/27/21; Sheets 1-12 of 12. 2. Plan Entitled, 'Willow Lakes Assisted Living; Coventry, RI'; Prepared By WLS Lighting; Sheet 1 of 1; Scale: 1" = 50'; Dated: 3/17/21 3. Site Observations by Kevin M. Alverson, LA on 3/2/21

Willow Lakes

A.P. 16, Lot 3 New London Turnpike Coventry, RI

Prepared For: Willow Lake Properties, LLC



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Landscape Notes and Details

Sheet 2 of 2 Project #: 2.142.327 Scale: As Shown Drawn By: KMA

Checked By: KMA

Date: December 27, 2021