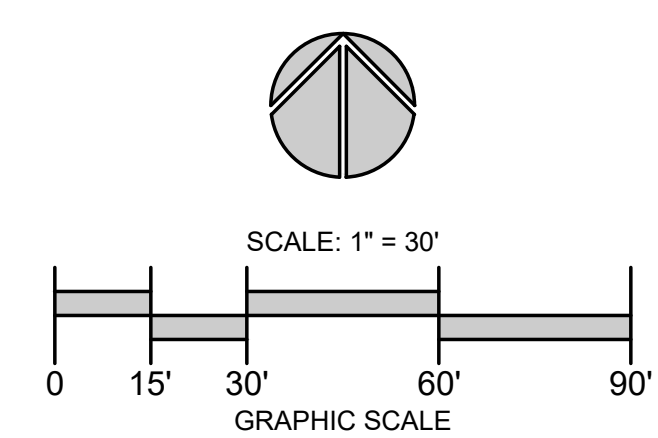


2,341,336 KnightStreetSolar\_WarwickRI.dwg

**PROPOSED LEGEND**

- UTILITY POLE
- GRAVEL ACCESS ROAD
- CONSTRUCTION ENTRANCE
- FENCE LINE
- FENCE LINE WITH PRIVACY SLATS
- EC UNDERGROUND CONDUIT
- OHE OVERHEAD ELECTRIC LINE
- TC LIMIT OF TREE CLEARING
- LOD LIMIT OF DISTURBANCE
- SB SEDIMENT BARRIER



**REVISION HISTORY:**

DATE	REVISION

- REFERENCES:**
- Plan Entitled, "PROPOSED SITE PLAN", Drawing Number: C-101, Sheet 3 of 6; Prepared for: VCP, LLC; Prepared By: WSP USA Environment and Infrastructure, Inc.; Dated 2/9/23, As amended.
  - Site Observations made by Kevin M. Alverson, LA, March 1, 2023

# Knight Street Solar

998.4 KW DC Ground-Mount Solar PV Development

240 Knight Street  
Warwick, RI 02886

**Property Owner:**  
Sunshine Properties, LLC  
1818 Knight Street  
Warwick, RI 02886

**Developed By:**  
VCP, LLC  
**VEROGY**  
150 TRUMBULL ST.  
HARTFORD, CONNECTICUT 06103



**Kevin M. Alverson**  
360 Annaquatucket Road Wickford, RI 02852 401.338.0044 KevinMAlversonLA.com



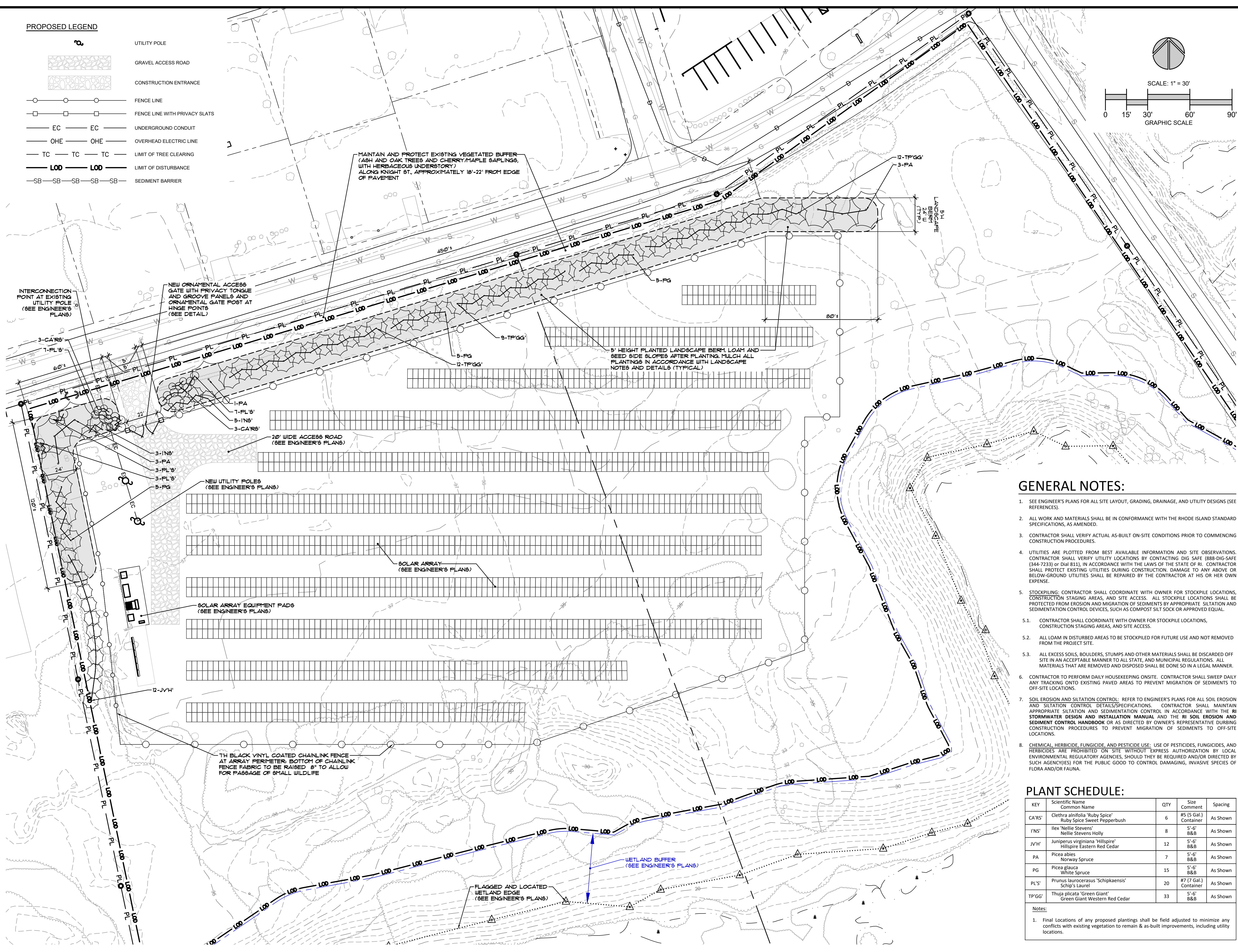
LANDSCAPE PLANTING ONLY

## Landscape Plan

Project #: 2.261.319 Sheet 1 of 2  
Scale: 1" = 30'  
Drawn By: KMA  
Checked By: KMA  
Date: April 26, 2023

L-1

ISSUED FOR PERMITTING



**GENERAL NOTES:**

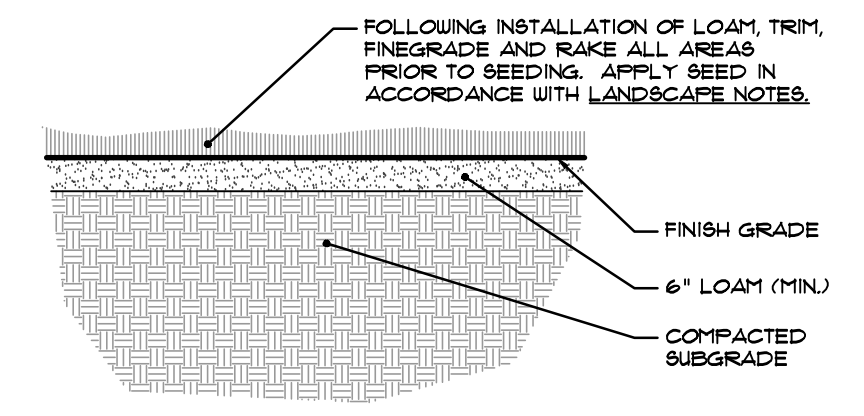
- SEE ENGINEER'S PLANS FOR ALL SITE LAYOUT, GRADING, DRAINAGE, AND UTILITY DESIGNS (SEE REFERENCES).
- ALL WORK AND MATERIALS SHALL BE IN CONFORMANCE WITH THE RHODE ISLAND STANDARD SPECIFICATIONS, AS AMENDED.
- CONTRACTOR SHALL VERIFY ACTUAL AS-BUILT ON-SITE CONDITIONS PRIOR TO COMMENCING CONSTRUCTION PROCEDURES.
- 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.
- STOCKPILING: CONTRACTOR SHALL COORDINATE WITH OWNER FOR STOCKPILE LOCATIONS, CONSTRUCTION STAGING AREAS, AND SITE ACCESS. ALL STOCKPILE LOCATIONS SHALL BE PROTECTED FROM EROSION AND MIGRATION OF SEDIMENTS BY APPROPRIATE SILTATION AND SEDIMENTATION CONTROL DEVICES, SUCH AS COMPOST SILT SOCK OR APPROVED EQUAL.
- CONTRACTOR SHALL COORDINATE WITH OWNER FOR STOCKPILE LOCATIONS, CONSTRUCTION STAGING AREAS, AND SITE ACCESS.
- ALL LOAM IN DISTURBED AREAS TO BE STOCKPILED FOR FUTURE USE AND NOT REMOVED FROM THE PROJECT SITE.
- ALL EXCESS SOILS, BOULDERS, STUMPS AND OTHER MATERIALS SHALL BE DISCARDED OFF SITE 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.
- CONTRACTOR TO PERFORM DAILY HOUSEKEEPING ONSITE. CONTRACTOR SHALL SWEEP DAILY ANY TRACKING ONTO EXISTING PAVED AREAS TO PREVENT MIGRATION OF SEDIMENTS TO OFF-SITE LOCATIONS.
- SOIL EROSION AND SILTATION CONTROL: REFER TO ENGINEER'S PLANS FOR ALL SOIL EROSION AND SILTATION CONTROL DETAILS/SPECIFICATIONS. CONTRACTOR SHALL MAINTAIN APPROPRIATE SILTATION AND SEDIMENTATION CONTROL IN ACCORDANCE WITH THE RI STORMWATER DESIGN AND INSTALLATION MANUAL AND THE RI SOIL EROSION AND SEDIMENT CONTROL HANDBOOK OR AS DIRECTED BY OWNER'S REPRESENTATIVE DURING CONSTRUCTION PROCEDURES TO PREVENT MIGRATION OF SEDIMENTS TO OFF-SITE LOCATIONS.
- CHEMICAL, HERBICIDE, FUNGICIDE AND PESTICIDE USE: USE OF PESTICIDES, FUNGICIDES, AND HERBICIDES ARE PROHIBITED ON SITE WITHOUT EXPRESS AUTHORIZATION BY LOCAL ENVIRONMENTAL REGULATORY AGENCIES, SHOULD THEY BE REQUIRED AND/OR DIRECTED BY SUCH AGENCY(IES) FOR THE PUBLIC GOOD TO CONTROL DAMAGING, INVASIVE SPECIES OF FLORA AND/OR FAUNA.

**PLANT SCHEDULE:**

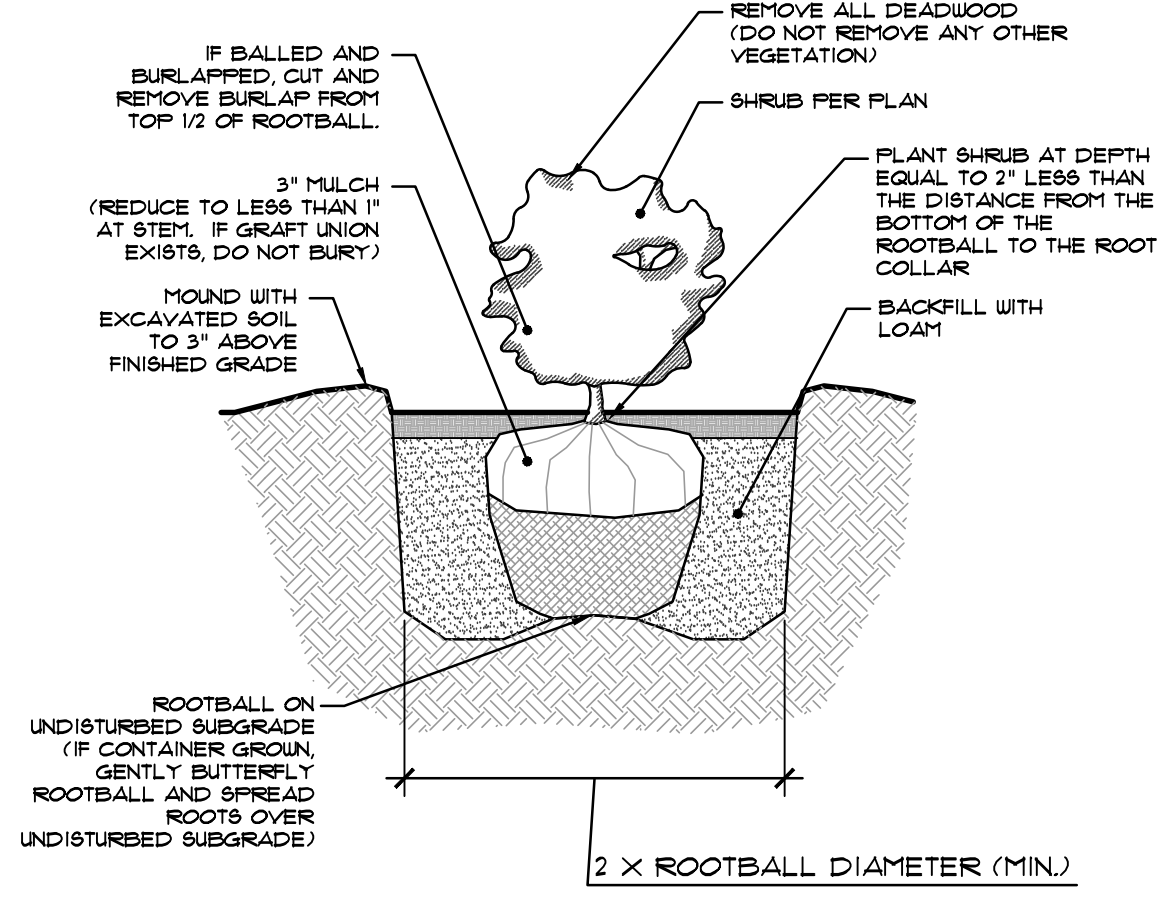
KEY	Scientific Name Common Name	QTY	Size Comment	Spacing
CA'RS'	Clethra alnifolia 'Ruby Spice' Ruby Spice Sweet Pepperbush	6	#5 (5 Gal.) Container	As Shown
INS'	Ilex 'Nellie Stevens' Nellie Stevens Holly	8	5'-6" B&B	As Shown
JV'H'	Juniperus virginiana 'Hillspire' Hillspire Eastern Red Cedar	12	5'-6" B&B	As Shown
PA	Picea abies Norway Spruce	7	5'-6" B&B	As Shown
PG	Picea glauca White Spruce	15	5'-6" B&B	As Shown
PL'S'	Prunus laurocerasus 'Schipkaensis' Schip's Laurel	20	#7 (7 Gal.) Container	As Shown
TP'GG'	Thuja plicata 'Green Giant' Green Giant Western Red Cedar	33	5'-6" B&B	As Shown

- Notes:**
- Final Locations of any proposed plantings shall be field adjusted to minimize any conflicts with existing vegetation to remain & as-built improvements, including utility locations.

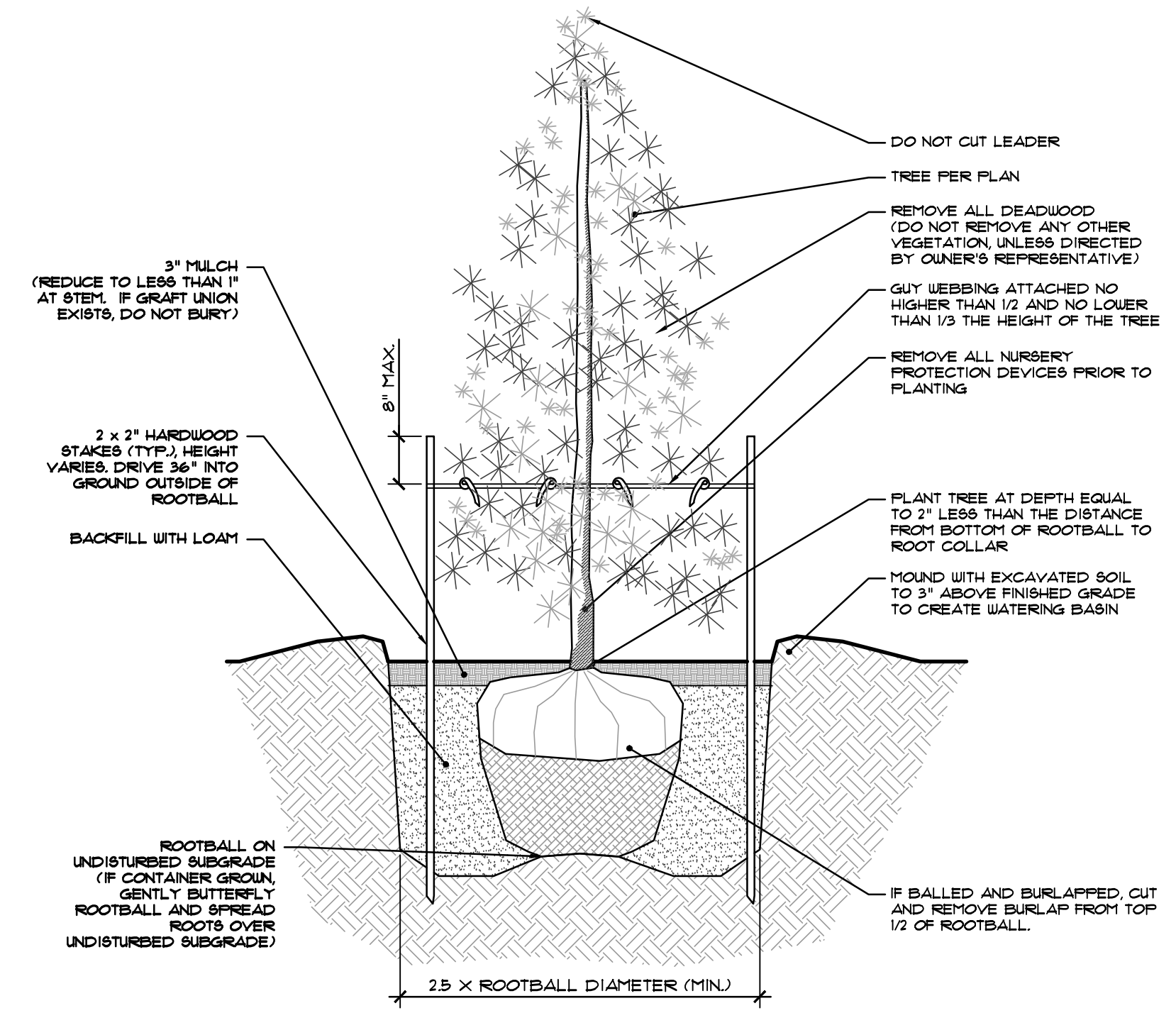
© Kevin M. Alverson, LA



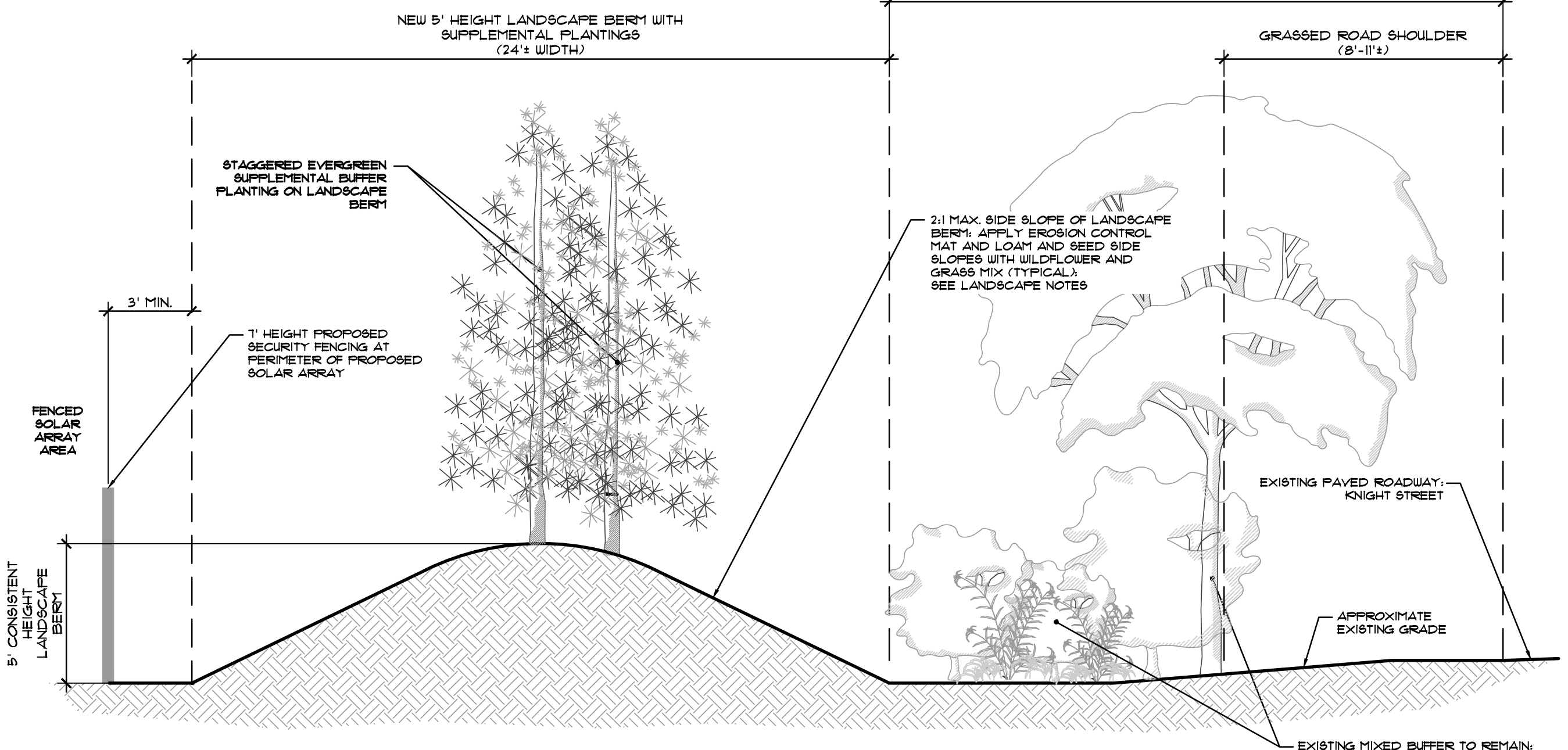
1 LOAM AND SEED NOT TO SCALE



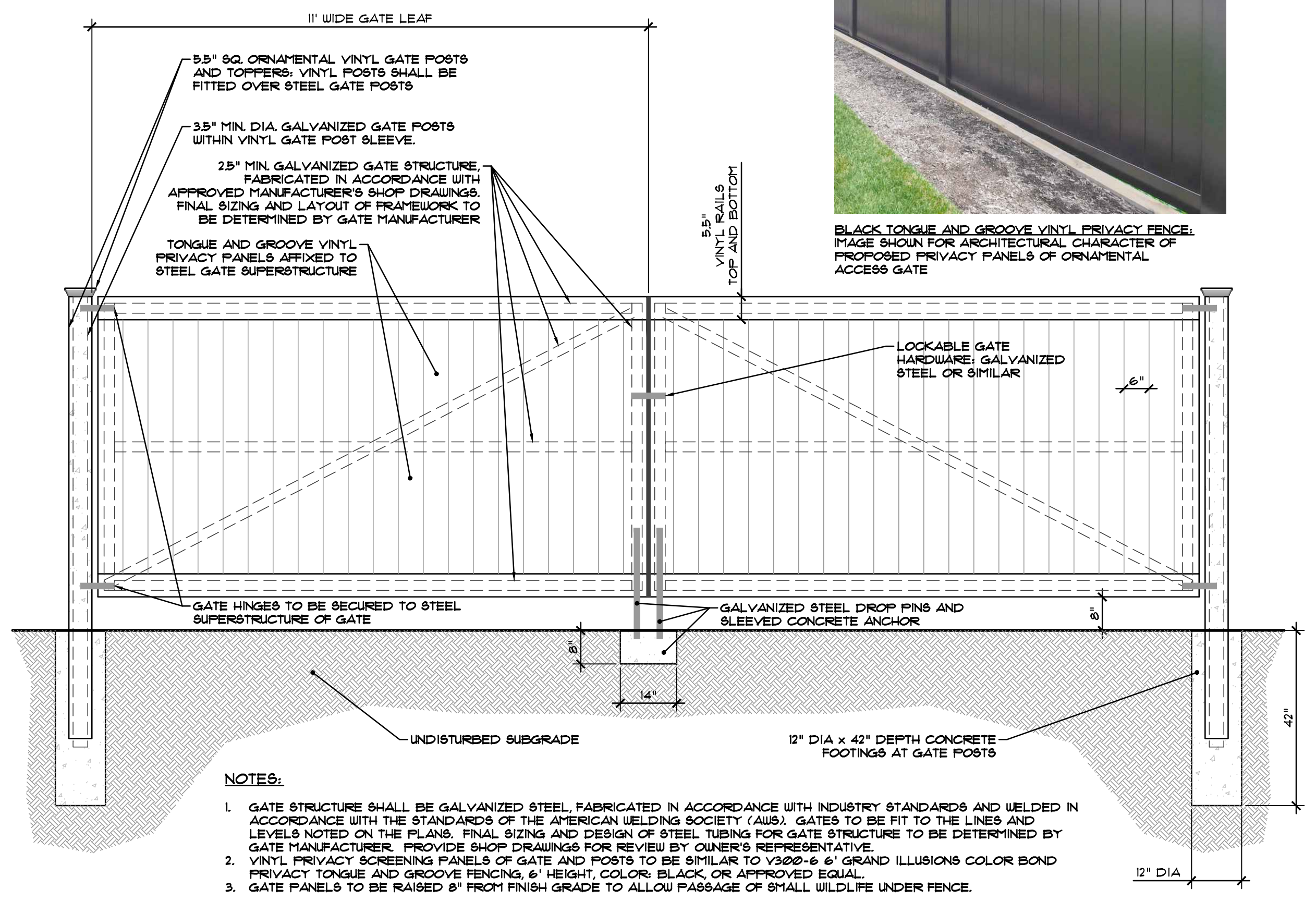
2 SHRUB PLANTING DETAIL NOT TO SCALE



3 EVERGREEN PLANTING DETAIL NOT TO SCALE



4 TYPICAL LANDSCAPE BERM DETAIL (ALONG KNIGHT STREET) NOT TO SCALE



5 ORNAMENTAL ACCESS GATE WITH PRIVACY TONGUE AND GROOVE PANELS NOT TO SCALE

LANDSCAPE NOTES:

- 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.
- ALL NEW SPECIFIED 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 PARTICULAR VARIETY.
- 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 PROJECT OWNER OR OPERATOR, OR THEIR REPRESENTATIVE.
- ALL PLANTINGS SHALL BE SIZED IN ACCORDANCE WITH THE SIZES INDICATED, UNLESS OTHERWISE APPROVED BY THE PROJECT OWNER OR OPERATOR, OR THEIR REPRESENTATIVE.
- THE CONTRACTOR IS RESPONSIBLE FOR KEEPING THE SITE CLEAN OF MISCELLANEOUS DEBRIS THROUGHOUT THE CONSTRUCTION PERIOD. ALL WASTE MATERIAL IS TO BE DISPOSED OF IMMEDIATELY TO AN OFF-SITE LOCATION, UNLESS OTHERWISE INDICATED ON THE PLANS.
- MAINTENANCE AND WARRANTY:**
  - ALL PROPOSED PLANTINGS SHALL BE MAINTAINED BY THE OWNER'S REPRESENTATIVE FOLLOWING INSTALLATION. MAINTENANCE SHALL INCLUDE WATERING OF TREES AS NECESSARY TO ENSURE PROPER ESTABLISHMENT OF PLANTINGS, AND SUPPLEMENTAL WATERING IF NECESSARY DURING PERIODS OF EXTREME DROUGHT.
  - CONTRACTOR SHALL PROVIDE A ONE (1) 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 ONE (1) YEAR WARRANTY STARTING FROM THE DATE OF REPLACEMENT.
- FINAL LOCATIONS OF ALL NEW PLANTINGS SHALL BE ADJUSTED AS NECESSARY BASED ON FINAL AS-BUILT LOCATIONS OF ALL NEW AND EXISTING UTILITIES, EXISTING VEGETATION TO REMAIN, AND OTHER SITE IMPROVEMENTS.
- PROTECTION OF EXISTING PLANTINGS:**
  - WITHIN EXISTING WOODED BUFFERS TO REMAIN, ALL TREES, SHRUBS, AND UNDERSTORY VEGETATION WILL BE RETAINED AND PROTECTED TO THE GREATEST EXTENT PRACTICABLE. WITHIN THESE AREAS, CONTRACTOR WILL SELECTIVELY REMOVE ONLY THOSE TREES DEEMED TO BE A FALL HAZARD OR SAFETY RISK BY THE OWNER'S REPRESENTATIVE AND CERTIFIED ARBORIST.
  - 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.
  - ALL EXISTING VEGETATION TO REMAIN WILL BE MONITORED DURING CONSTRUCTION AND RE-ASSESSED ONE-YEAR FOLLOWING COMPLETION OF CONSTRUCTION PROCEDURES BY OWNER'S REPRESENTATIVE.
- TOPSOIL PRESERVATION AND PLANTABLE SOIL:**
  - TOPSOIL MOVED DURING THE COURSE OF CONSTRUCTION SHALL BE RETAINED AND REDISTRIBUTED WITHIN THE SITE IN ACCORDANCE WITH LOAMING AND SEEDING NOTES BELOW.
  - 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 SHALL BE AMENDED WITH WELL-AGED COMPOST.
    - 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.
- 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.
- PRUNING:** PRUNE ALL PLANT MATERIAL TO REMOVE ANY AND ALL DEADWOOD. ALL PLANT 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 PRUNING IS UNACCEPTABLE.
- FERTILIZER:** UTILIZE ONLY SLOW AND/OR CONTROLLED RELEASE FERTILIZER, APPLIED AT THE MINIMUM APPLICATION RATES NEEDED TO ESTABLISH NEW VEGETATIVE GROWTH. APPLICATION RATES SHALL BE IN STRICT ACCORDANCE WITH FERTILIZER MANUFACTURER'S SPECIFICATIONS, ALL LOCAL, STATE, AND FEDERAL REGULATIONS, AND WITH ANY SECURED ENVIRONMENTAL PERMITTING.
- MULCH:** ALL PLANTINGS SHALL BE MULCHED AS INDICATED ON DRAWINGS. PLANTINGS INSTALLED IN CLUSTERS, OR WITHIN PLANTING BEDS SHALL BE MULCHED AS SUCH, INSTALLING MULCH THROUGHOUT THE ENTIRE PLANTING BED. MULCH TO BE 3"-4", OR AS OTHERWISE NOTED, IN DEPTH AND REDUCED TO LESS THAN 1" AT ROOT FLARE OF EACH PLANT.
- MULCH SHALL BE WELL-AGED, SHREDDED BARK MULCH, NATURAL DARK BROWN IN COLOR AND NON-DYED.
- LOAM AND SEED:**
  - LOAM AND SEED ALL DISTURBED AREAS, IN ACCORDANCE WITH THE PROJECT SOIL EROSION AND SEDIMENTATION CONTROL PLAN AND AS OUTLINED IN THE PROJECT STORMWATER OPERATION AND MAINTENANCE PLAN PREPARED BY THE PROJECT ENGINEER (SEE REFERENCES). ALL NEW LAWN AREAS SUBJECT TO EROSION SHALL BE STABILIZED UTILIZING JUTE MESH OR APPROVED EQUAL.
  - LOAM UTILIZED OR RETAINED FOR LAWN AREAS SHALL BE SANDY LOAM, 4"-6" IN DEPTH, AND CONFORMING TO THE REQUIREMENTS OF THE USGA FOR LAWN PLANTINGS. ON-SITE NATIVE LOAM MAY BE UTILIZED FOR LAWN AREAS, BUT SHALL BE AMENDED AND RAKED AS NECESSARY TO CONFORM TO THE REQUIREMENTS OF ANY OFF-SITE LOAM.
  - SEED MIX:**
    - UNLESS OTHERWISE SPECIFIED, SEED MIX UTILIZED SHALL BE SIMILAR TO 'LOW-GROWING WILDFLOWER AND GRASS MIX', AS SUPPLIED BY ERNST SEEDS, OR APPROVED EQUAL:
      - 66.9% Festuca ovina, Variety Not Stated (Sheep Fescue, Variety Not Stated)
      - 17.0% Lolium multiflorum (Annual Ryegrass)
      - 6.0% Linum perenne (Perennial Blue Flax)
      - 2.5% Chrysanthemum maximum (Shasta Daisy)
      - 2.0% Coreopsis lanceolata (Lanceleaf Coreopsis)
      - 2.0% Rudbeckia hirta (Blackeyed Susan)
      - 1.0% Chamaecrista fasciculata, PA Ecotype (Partridge Pea, PA Ecotype)
      - 1.0% Papaver rhoeas, Red (Corn Poppy, Red)
      - 0.4% Achillea millefolium (Common Yarrow)
      - 0.4% Aster tuberosus (Butterfly Milkweed)
      - 0.3% Aster oblongifolius, PA Ecotype (Aromatic Aster, PA Ecotype)
      - 0.2% Pycnanthemum tenuifolium (Narrowleaf Mountainmint)
      - 0.1% Penstemon canescens (Eastern Gray Beardtongue)
      - 0.1% Penstemon hirsutus (Hairy Beardtongue)
 SEEDING RATE FOR THIS MIX SHALL BE 20-40LB PER ACRE
    - SEED MIX IN DESIGNATED STORMWATER FACILITIES, BASINS, ETC., SHALL BE AS NOTED ON ENGINEER'S PLANS AND OPERATIONS AND MAINTENANCE MANUAL.
  - IF INSTALLING SEED UTILIZING HYDROSEEDER DEVICE, PROVIDE FIBER HYDRO MULCH AND STARTER FERTILIZER MIX. IF BROADCAST SEEDING, APPLY STARTER FERTILIZER PRIOR TO SEEDING AND TOPDRESS WITH 2" STRAW OR FIBER HYDRO MULCH (NO SEED) FOLLOWING SPREADING OF SEED.
  - ALL FERTILIZER SHOULD BE APPLIED IN THE MINIMUM RECOMMENDED APPLICATION RATE TO ENSURE GERMINATION AND ESTABLISHMENT OF SEEDING. APPLICATION RATES SHALL BE IN STRICT ACCORDANCE WITH FERTILIZER MANUFACTURER'S SPECIFICATIONS, ALL LOCAL, STATE, AND FEDERAL REGULATIONS, AND WITH ANY SECURED ENVIRONMENTAL PERMITTING.



BLACK TONGUE AND GROOVE VINYL PRIVACY FENCE IMAGE SHOWN FOR ARCHITECTURAL CHARACTER OF PROPOSED PRIVACY PANELS OF ORNAMENTAL ACCESS GATE

REVISION HISTORY:

DATE	REVISION

- REFERENCES:
- Plan Entitled, "PROPOSED SITE PLAN", Drawing Number: C-101, Sheet 3 of 6; Prepared for: VCP, LLC; Prepared By: WSP USA Environment and Infrastructure, Inc.; Dated 2/9/23, As Amended.
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998.4 KW DC Ground-Mount Solar PV Development

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**Kevin M. Alverson**  
360 Annanquatucket Road  
Wickford, RI 02852  
401.338.0044  
KevinMAlversonLA.com



**Landscape Notes and Details**

Project #: 2.261.319	Sheet 2 of 2
Scale: As Shown	<b>L-2</b>
Drawn By: KMA	
Checked By: KMA	
Date: April 26, 2023	ISSUED FOR PERMITTING