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KNIGHT STREET SOLAR

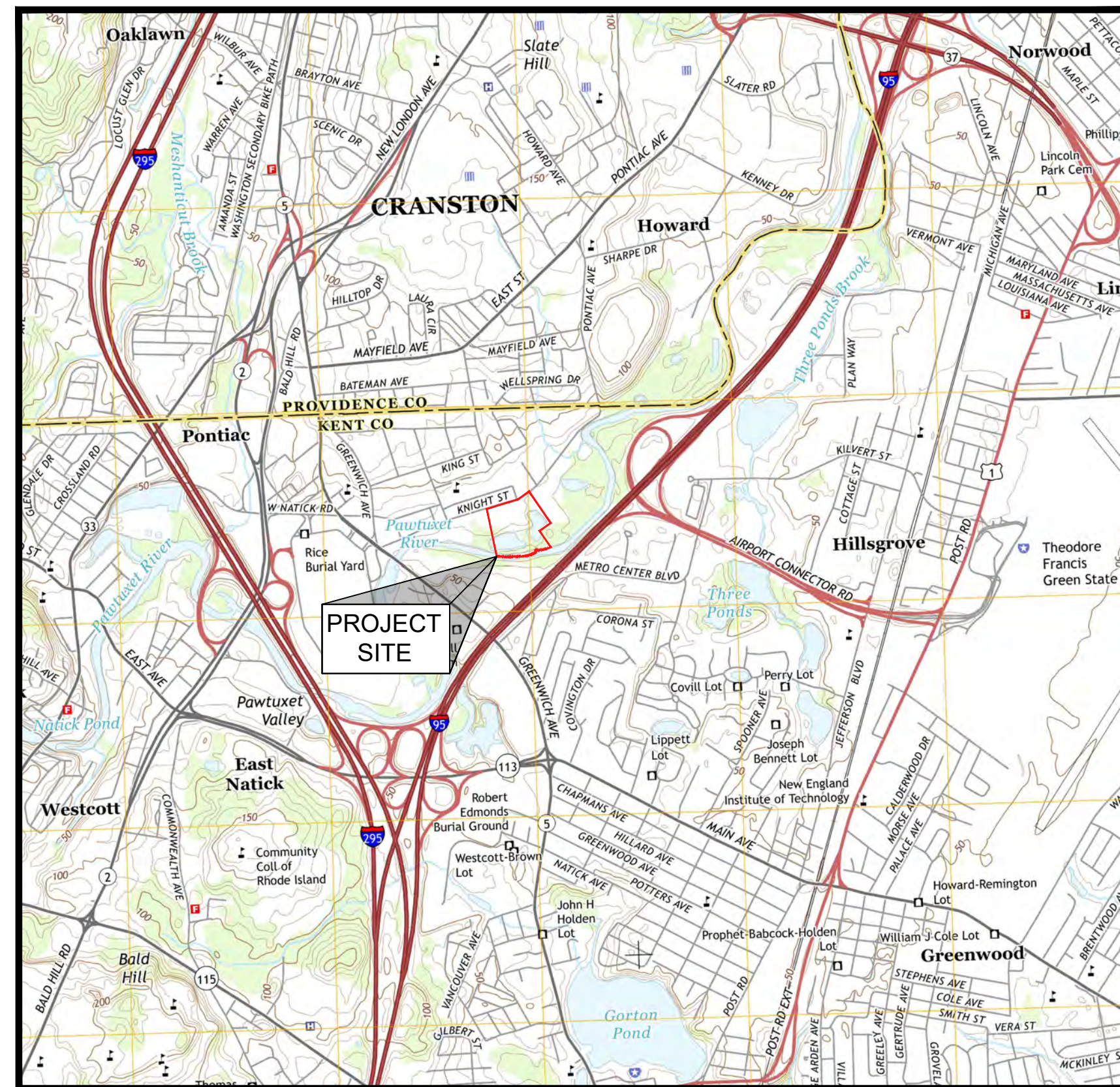
998.40 KW DC GROUND-MOUNT SOLAR PV DEVELOPMENT

240 KNIGHT STREET

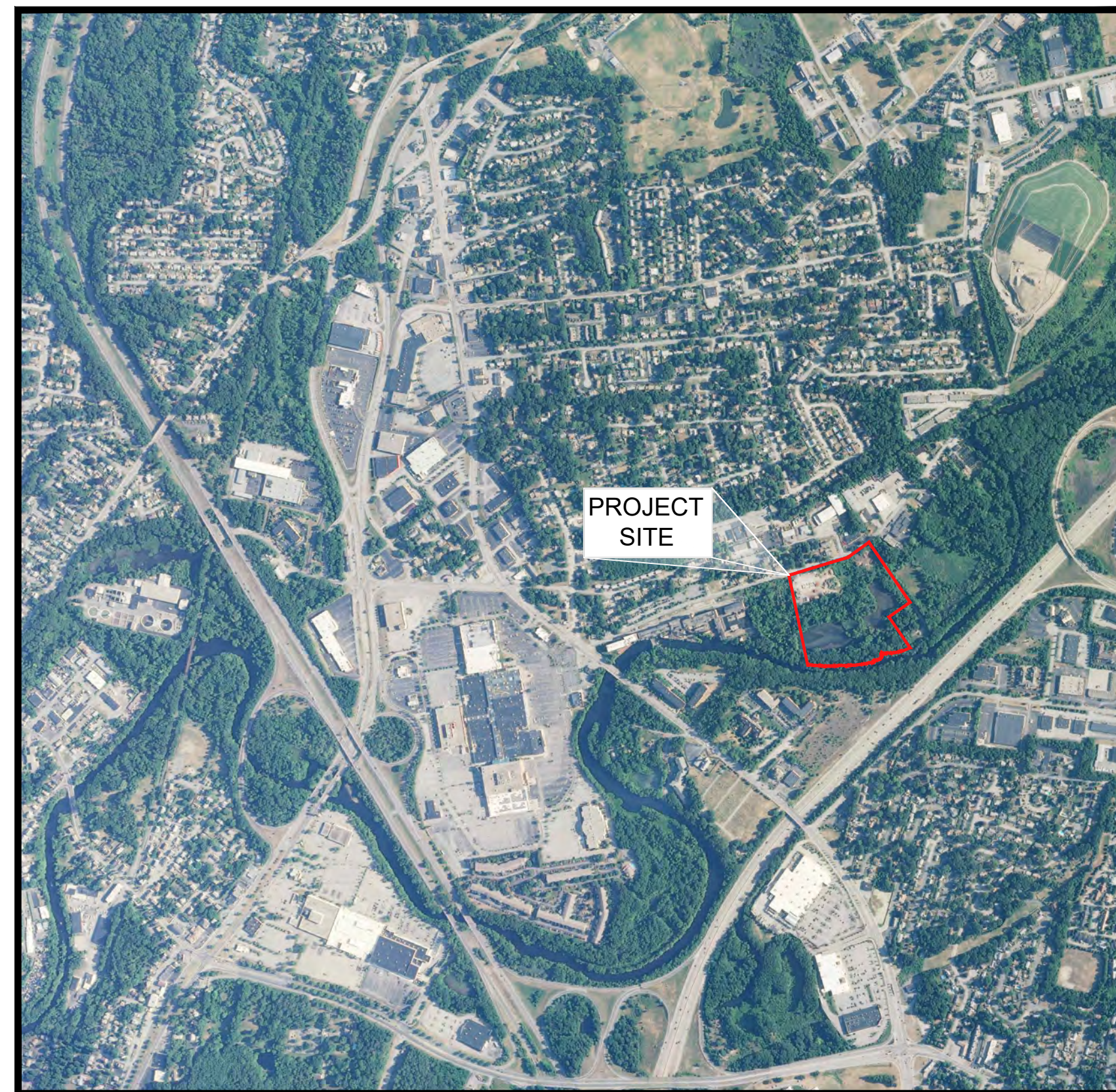
WARWICK, RHODE ISLAND

LAST ISSUED ON JANUARY 03, 2024

ISSUED FOR PERMITTING / NOT FOR CONSTRUCTION



LOCUS MAP
1" = 2000'



AERIAL IMAGE
NOT TO SCALE

DRAWING INDEX

| SHEET NUMBER | DRAWING TITLE | DRAWING NUMBER |
|--------------|--------------------------------------------------------------------------------------------|----------------|
| | COVER SHEET | |
| 1 | EXISTING CONDITIONS PLAN | V-101 |
| 2 | POST-TENANT EXISTING CONDITIONS PLAN | V-102 |
| 3 | PROPOSED SITE PLAN | C-101 |
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| 5 | CONSTRUCTION, EROSION, AND SEDIMENTATION CONTROL DETAILS AND NOTES | C-501 |
| 6 | CONSTRUCTION, EROSION, AND SEDIMENTATION CONTROL DETAILS | C-502 |
| - | LANDSCAPE PLAN | L-1 |
| - | LANDSCAPE NOTES AND DETAILS | L-2 |
| - | BOUNDARY & TOPOGRAPHIC SURVEY, PLAT 275 LOTS 38 & 52, KNIGHT STREET, WARWICK, RHODE ISLAND | N/A |

PROPERTY OWNER

SUNSHINE PROPERTIES, LLC
181 KNIGHT ST.
WARWICK, RHODE ISLAND 02886

DEVELOPED BY

VCP, LLC

VEROGY

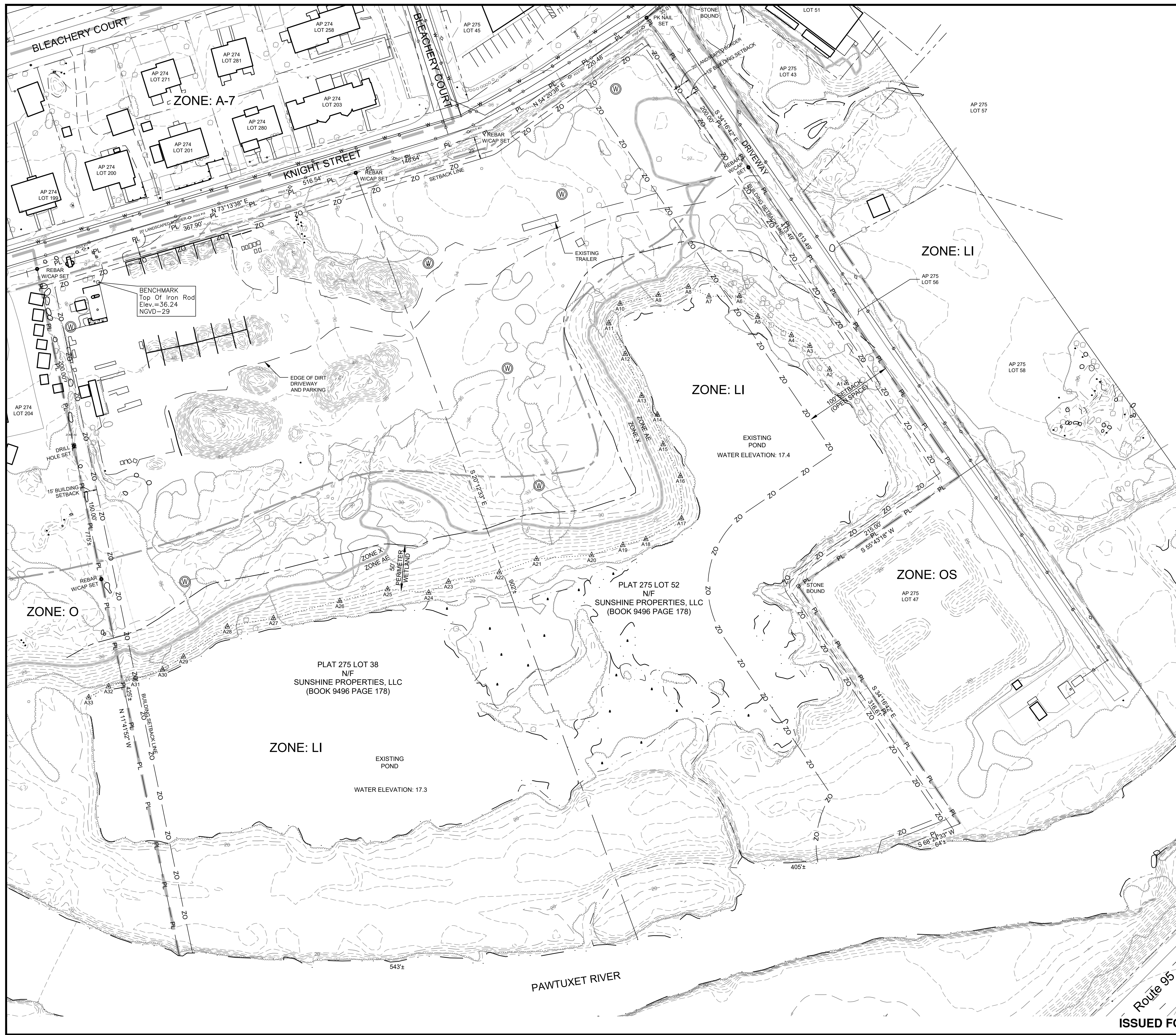
150 TRUMBULL ST.
HARTFORD, CONNECTICUT 06103

PREPARED BY



WSP USA ENVIRONMENT & INFRASTRUCTURE, INC.
275 PROMENADE STREET
PROVIDENCE, RHODE ISLAND 02908

D:\Vero\p\Knight Street\7.0 CAD\7.1 Design - Permitting\Sheets\0 - 8552020284 - 0400.dwg - Layout1 - Jan. 03, 2024 12:13pm - wds_morgan.mcdonald



- GENERAL NOTES:**
- RECORD OWNER OF THE PROPERTY: SUNSHINE PROPERTIES, LLC AS SHOWN ON THE CITY OF WARWICK PLAT 275, PARCELS 38 & 52. FOR FURTHER REFERENCES SEE DEED BOOK 9496, PAGE 178.
 - HORIZONTAL DATUM IS BASED ON RHODE ISLAND STATE GRID COORDINATE SYSTEM NAD83 (2011) AND THE VERTICAL DATUM IS REFERENCED TO NAVD 29.
 - WETLANDS SHOWN ON THIS PLAN WERE DELINEATED BY OTHERS. WETLAND FLAGS WERE LOCATED ON 2/4/2021 BY NATURAL RESOURCE SERVICES, INC., OF HARRISVILLE, RHODE ISLAND.
 - FLOOD ZONE INFORMATION FROM FIRM FLOOD INSURANCE RATE MAP CITY OF WARWICK, RHODE ISLAND, KENT COUNTY, PANEL 2 OF 9, COMMUNITY - PANEL NUMBER 445409 0002 D, MAP REVISED APRIL 16, 1991.
 - FLOOD ZONE AREA WAS REVISED FOR LOCUS PARCEL PER: FEDERAL EMERGENCY MANAGEMENT AGENCY, LETTER OF MAP REVISION FLOODWAY DETERMINATION DOCUMENT (REMOVAL), DATED MARCH 20, 2007, CASE NO. 07-01-0070A (100-YEAR FLOODPLAIN AT ELEVATION 29).
 - WSP USA ENVIRONMENT & INFRASTRUCTURE, INC. HAS NOT INDEPENDENTLY VERIFIED THE LOCATION, EXISTENCE, AND SERVICEABILITY FOR ANY UTILITIES IN THIS VICINITY. WSP ALSO MAKES NO GUARANTEE TO THE COMPLETENESS - MISSING - ACCURACY - DAMAGES INCURRED OF ANY UTILITIES. ACTUAL LOCATIONS MUST BE FIELD DETERMINED PRIOR TO EXCAVATION OR OTHER CONSTRUCTION ACTIVITIES. CALL "DIG SAFE" AT 811.
 - EXISTING CONDITIONS PLAN FROM BOUNDARY & TOPOGRAPHIC SURVEY, PREPARED FOR KNIGHT STREET GROUP, LLC, PLAT 275 LOTS 38 & 52, KNIGHT STREET, WARWICK, RHODE ISLAND, JOB NO. 208064, DATED MARCH 27, 2009, BY CHERENZIA & ASSOCIATES, LTD., OF PAWTUCKET, CONNECTICUT.
 - LANDSCAPE MATERIAL STOCKPILES WILL BE REMOVED WHEN CURRENT TENANT VACATES THE SITE.

EXISTING LEGEND

| | |
|----------------|------------------------------------------------------------------------|
| -20- | MAJOR CONTOUR |
| - - - - | MINOR CONTOUR |
| PL PL | SITE PROPERTY LINE |
| --- | PARCEL LINE |
| - - - - | OFF-SITE PROPERTY LINE |
| ZO ZO | ZONING SETBACK |
| --- | FENCE LINE |
| —○— | SANITARY SEWER UTILITY |
| —○— | GAS UTILITY |
| —○— | WATER UTILITY |
| —○— | STORM DRAIN UTILITY |
| —○— | WETLAND LINE WITH FLAG AND ID |
| --- | 50' WETLAND BUFFER |
| --- | DIRT DRIVEWAY |
| --- | TREE LINE |
| --- | SCRUB LINE |
| --- | UTILITY POLE |
| ⊙ | MONITORING WELL |
| ○ | SHRUBS |
| ○ | ROCKS AND BOULDERS |
| AP 274 LOT 204 | PARCEL ID |
| --- | ZONE AE FEMA 100-YR FLOOD LINE WITH ZONE ID (LOCATED AT 28' ELEVATION) |
| --- | ZONE X |
| --- | APPROXIMATE LIMIT OF WASTE |
| --- | ZONE: LI WARWICK ZONING BOUNDARY WITH ID |
| --- | ZONE: OS |



| DATE | REVISION | ISSUE / REVISION DESCRIPTION |
|-----------|----------|-----------------------------------------------|
| 8/29/2021 | 1 | ISSUED FOR CITY PRELIMINARY/FINAL PLAN REVIEW |
| 11/9/2023 | 2 | REVISED PER RIDEN COMMENTS |
| 2/08/2023 | 3 | REVISED PER CITY COMMENTS |
| 1/19/2023 | 4 | ISSUED FOR PERMITTING / NOT FOR CONSTRUCTION |
| 9/10/2021 | 5 | RESPONSE TO RIDEN COMMENTS |
| 8/20/2021 | 6 | RESPONSE TO RIDEN COMMENTS |
| 8/29/2021 | 7 | ADDRESS COMMENTS |

PROJECT: 998.40 KW DC GROUND-MOUNT SOLAR PV DEVELOPMENT
240 KNIGHT STREET
WARWICK, RHODE ISLAND

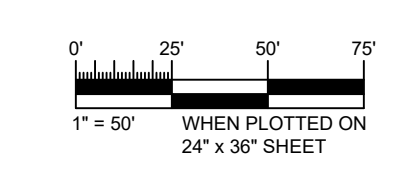
TITLE: EXISTING CONDITIONS PLAN

CLIENT: VCP, LLC
150 TRUMBULL ST.
HARTFORD, CT 06103

VEROGEY

SEAL: ANDREW P. VARDAKIS
No. 12219
REGISTERED PROFESSIONAL ENGINEER (CIVIL)
01/03/2024

DESIGNED BY: MDM
DRAWN BY: MRM
CHECKED BY: APV
SCALE: AS SHOWN
PROJECT NUMBER: 3652200299
DRAWING NUMBER: V-101
SHEET NUMBER: 1 OF 6



ISSUED FOR PERMITTING / NOT FOR CONSTRUCTION



WSP USA ENVIRONMENT AND
INFRASTRUCTURE, INC.
100 APOLLO DRIVE, SUITE 302
CHELMSFORD, MA 01824
978-692-9090
WSP.COM

| REVISION | DATE | ISSUE / REVISION DESCRIPTION |
|----------|------------|-----------------------------------------------|
| 7 | 01/03/2024 | ISSUED FOR CITY PRELIMINARY/FINAL PLAN REVIEW |
| 6 | 07/20/2023 | REVISED PER RIDEM COMMENTS |
| 5 | 2/08/2023 | REVISED PER CITY COMMENTS |
| 4 | 11/19/2023 | ISSUED FOR PERMITTING / NOT FOR CONSTRUCTION |
| 3 | 9/10/2021 | RESPONSE TO RIDEM COMMENTS |
| 2 | 8/20/2021 | RESPONSE TO RIDEM COMMENTS |
| 1 | 6/28/2021 | ADRESSED COMMENTS |

PROJECT: 998.40 KW DC GROUND-MOUNT
SOLAR PV DEVELOPMENT
240 KNIGHT STREET
WARWICK, RHODE ISLAND

TITLE: POST-TENANT
EXISTING CONDITIONS PLAN

VCP, LLC
150 TRUMBULL ST.
HARTFORD, CT 06103

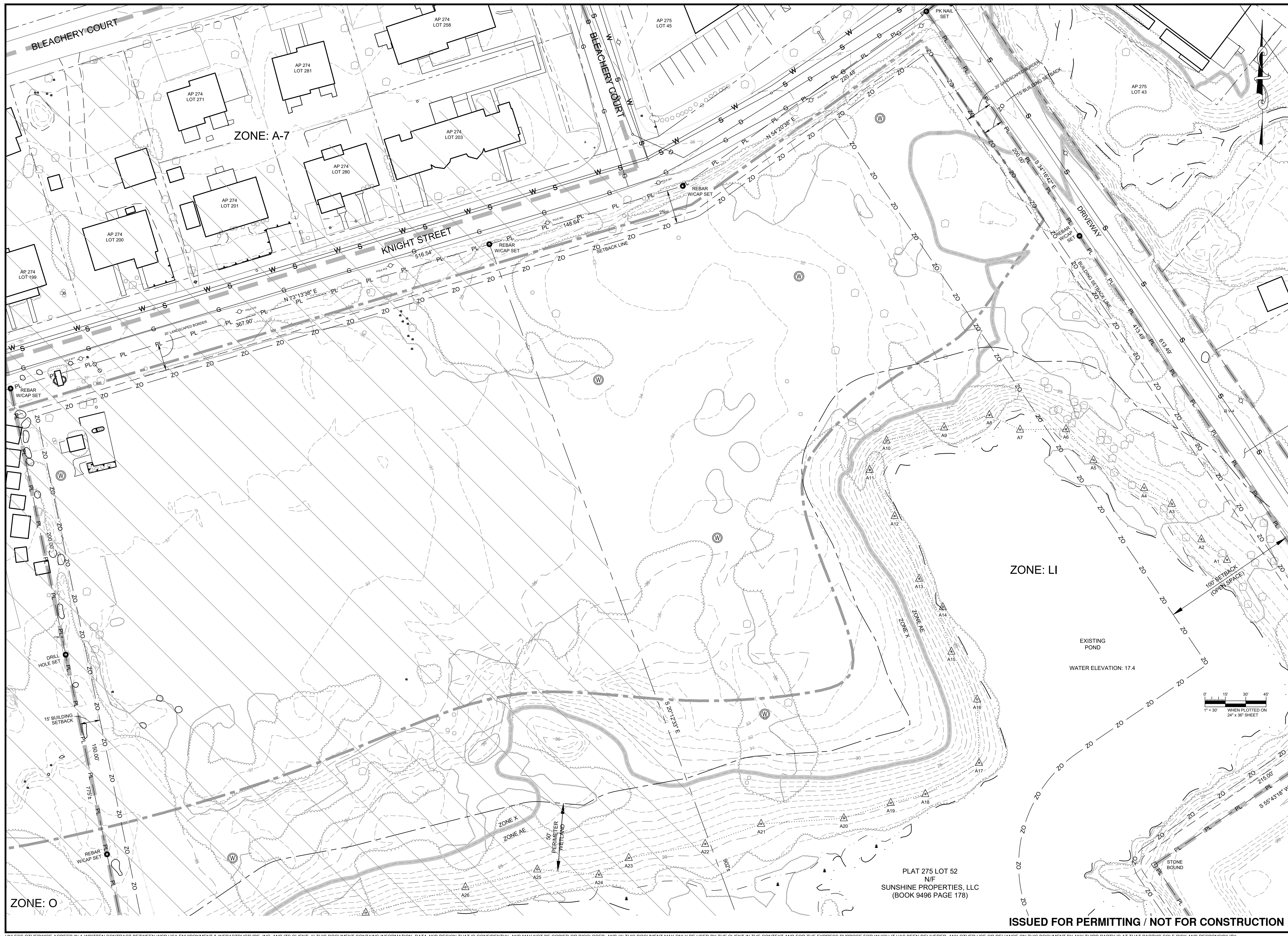
VEROGEY

CLIENT: VCP, LLC
150 TRUMBULL ST.
HARTFORD, CT 06103

SEAL: ANDREW P. VARDAKIS
No. 12219
REGISTERED
PROFESSIONAL ENGINEER
(CIVIL)
01/03/2024

DESIGNED BY: MRM
CHECKED BY: APV
PROJECT NUMBER: 3652200299
DRAWING NUMBER: V-102
SHEET NUMBER: 2 OF 6

DRAWN BY: SCALE: AS SHOWN



ISSUED FOR PERMITTING / NOT FOR CONSTRUCTION

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PROPOSED LEGEND

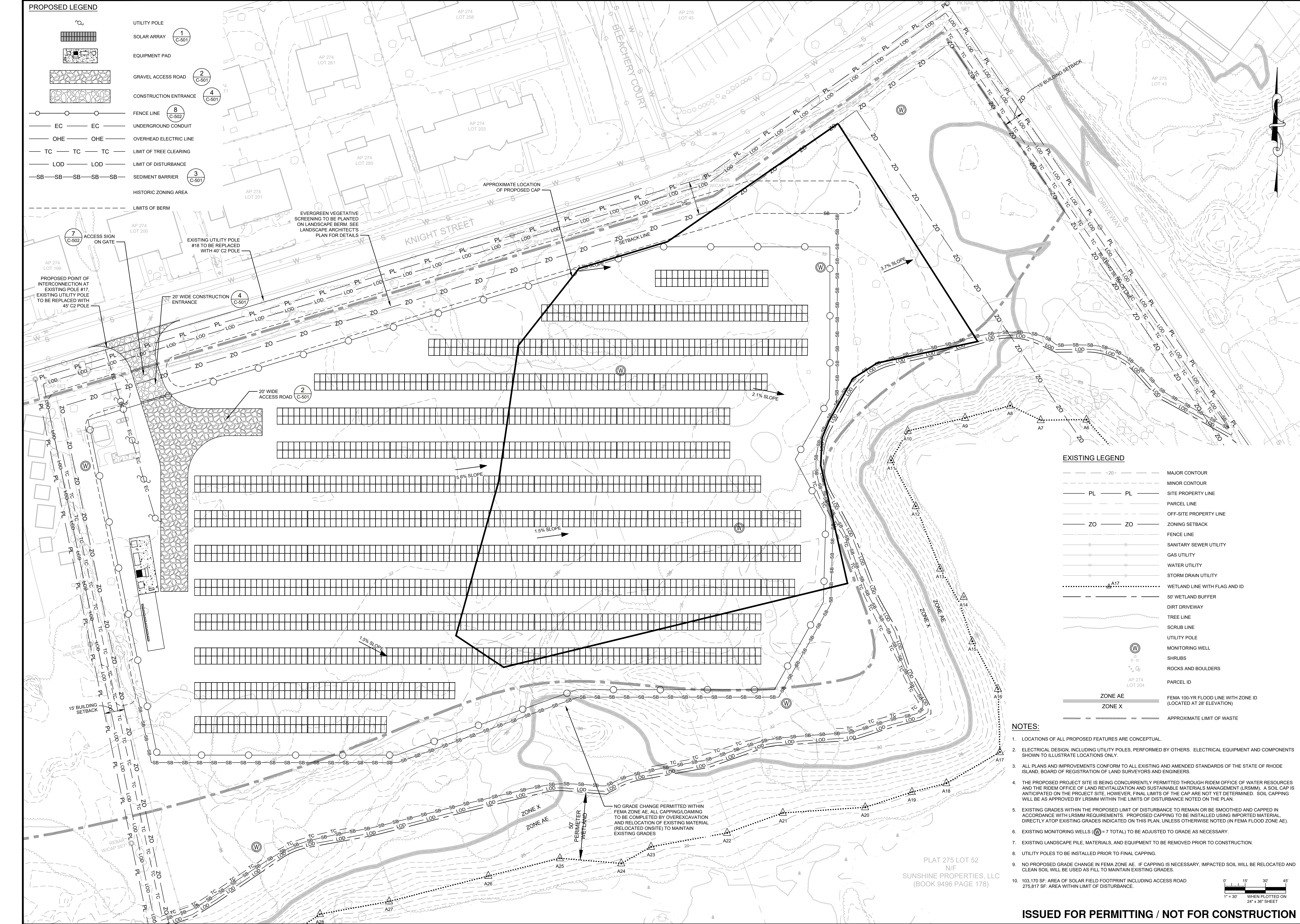
- UTILITY POLE
- SOLAR ARRAY (1 C-501)
- EQUIPMENT PAD
- GRAVEL ACCESS ROAD (2 C-501)
- CONSTRUCTION ENTRANCE (4 C-501)
- FENCE LINE (8 C-502)
- UNDERGROUND CONDUIT
- OHE OVERHEAD ELECTRIC LINE
- TC LIMIT OF TREE CLEARING
- LOD LIMIT OF DISTURBANCE
- SB SEDIMENT BARRIER (3 C-501)
- HISTORIC ZONING AREA
- LIMITS OF BERM

EXISTING LEGEND

- MAJOR CONTOUR
- MINOR CONTOUR
- PL SITE PROPERTY LINE
- PARCEL LINE
- ZO OFF-SITE PROPERTY LINE
- ZONING SETBACK
- FENCE LINE
- SANITARY SEWER UTILITY
- GAS UTILITY
- WATER UTILITY
- STORM DRAIN UTILITY
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- SHRUBS
- ROCKS AND BOULDERS
- PARCEL ID
- ZONE AE FEMA 100-YR FLOOD LINE WITH ZONE ID (LOCATED AT 28' ELEVATION)
- ZONE X
- APPROXIMATE LIMIT OF WASTE

NOTES:

1. LOCATIONS OF ALL PROPOSED FEATURES ARE CONCEPTUAL.
2. ELECTRICAL DESIGN, INCLUDING UTILITY POLES, PERFORMED BY OTHERS. ELECTRICAL EQUIPMENT AND COMPONENTS SHOWN TO ILLUSTRATE LOCATIONS ONLY.
3. ALL PLANS AND IMPROVEMENTS CONFORM TO ALL EXISTING AND AMENDED STANDARDS OF THE STATE OF RHODE ISLAND, BOARD OF REGISTRATION OF LAND SURVEYORS AND ENGINEERS.
4. THE PROPOSED PROJECT SITE IS BEING CONCURRENTLY PERMITTED THROUGH RIDEM OFFICE OF WATER RESOURCES AND THE RIDEM OFFICE OF LAND REVITALIZATION AND SUSTAINABLE MATERIALS MANAGEMENT (LRSM). A SOIL CAP IS ANTICIPATED ON THE PROJECT SITE, HOWEVER, FINAL LIMITS OF THE CAP ARE NOT YET DETERMINED. SOIL CAPPING WILL BE AS APPROVED BY LRSM WITHIN THE LIMITS OF DISTURBANCE NOTED ON THE PLAN.
5. EXISTING GRADES WITHIN THE PROPOSED LIMIT OF DISTURBANCE TO REMAIN OR BE SMOOTHED AND CAPPED IN ACCORDANCE WITH LRSM REQUIREMENTS. PROPOSED CAPPING TO BE INSTALLED USING IMPORTED MATERIAL, DIRECTLY ATOP EXISTING GRADES INDICATED ON THIS PLAN, UNLESS OTHERWISE NOTED (IN FEMA FLOOD ZONE AE).
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7. EXISTING LANDSCAPE PILE, MATERIALS, AND EQUIPMENT TO BE REMOVED PRIOR TO CONSTRUCTION.
8. UTILITY POLES TO BE INSTALLED PRIOR TO FINAL CAPPING.
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10. 103,170 SF: AREA OF SOLAR FIELD FOOTPRINT INCLUDING ACCESS ROAD
275,817 SF: AREA WITHIN LIMIT OF DISTURBANCE



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| DATE | REVISION | ISSUE / REVISION DESCRIPTION | APPROVED |
|------------|----------|-----------------------------------------------|----------|
| 01/03/2024 | 7 | ISSUED FOR CITY PRELIMINARY/FINAL PLAN REVIEW | APV |
| 07/20/2023 | 6 | REVISED PER RIDEM COMMENTS | APV |
| 2/08/2023 | 5 | REVISED PER CITY COMMENTS | APV |
| 1/19/2023 | 4 | ISSUED FOR PERMITTING / NOT FOR CONSTRUCTION | APV |
| 9/10/2021 | 3 | RESPONSE TO RIDEM COMMENTS | CR |
| 8/20/2021 | 2 | RESPONSE TO RIDEM COMMENTS | CR |
| 6/28/2021 | 1 | ADDRESS COMMENTS | CR |

PROJECT: 998.40 KW DC GROUND-MOUNT SOLAR PV DEVELOPMENT
 240 KNIGHT STREET
 WARWICK, RHODE ISLAND

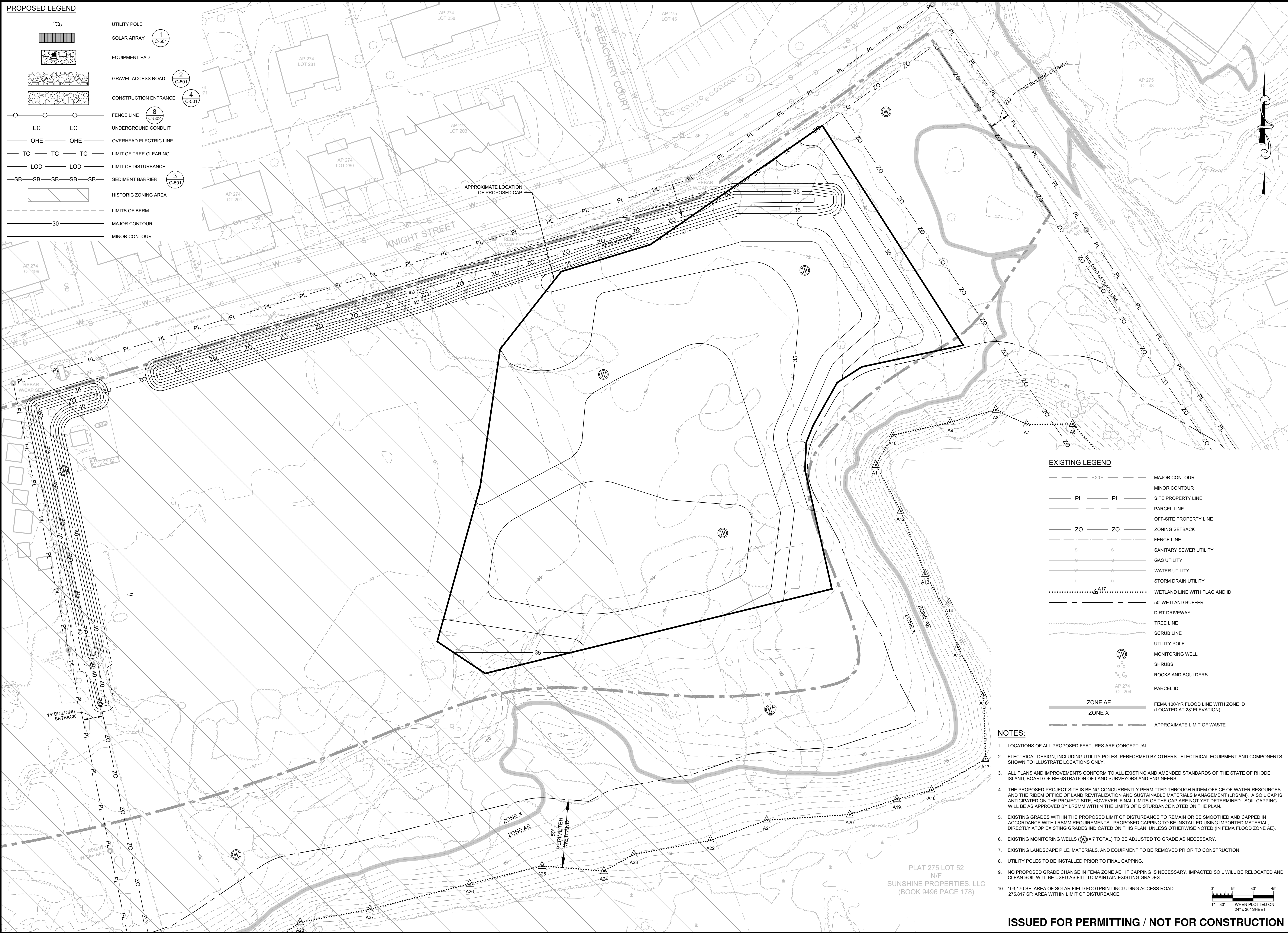
TITLE: PROPOSED SITE PLAN

CLIENT: VCP, LLC
 150 TRUMBULL ST.
 HARTFORD, CT 06103

VEROGEY

ANDREW P. VARDAKIS
 No. 12219
 REGISTERED PROFESSIONAL ENGINEER (CIVIL)
 01/03/2024

DESIGNED BY: MDM
CHECKED BY: APV
PROJECT NUMBER: 3652200299
DRAWING NUMBER: C-101
SHEET NUMBER: 3 OF 6



PROPOSED LEGEND

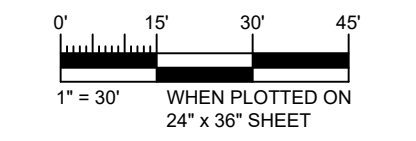
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| ISSUED FOR CITY PRELIMINARY/FINAL PLAN REVIEW | APV | APV | APV | APV | GA | GA | GA | ISSUED |
|-----------------------------------------------|-----|-----|-----|-----|----|----|----|----------|
| 01/03/2024 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | DATE |
| ISSUED FOR CITY PRELIMINARY/FINAL PLAN REVIEW | 7 | 6 | 5 | 4 | 3 | 2 | 1 | REVISION |
| REVISED PER RIDEM COMMENTS | 6 | 5 | 4 | 3 | 2 | 1 | | |
| REVISED PER CITY COMMENTS | 5 | 4 | 3 | 2 | 1 | | | |
| ISSUED FOR PERMITTING / NOT FOR CONSTRUCTION | 4 | 3 | 2 | 1 | | | | |
| RESPONSE TO RIDEM COMMENTS | 3 | 2 | 1 | | | | | |
| RESPONSE TO RIDEM COMMENTS | 2 | 1 | | | | | | |
| ADDRESS COMMENTS | 1 | | | | | | | |

PROJECT: 998.40 KW DC GROUND-MOUNT SOLAR PV DEVELOPMENT
 240 KNIGHT STREET
 WARWICK, RHODE ISLAND

TITLE: GRADING PLAN

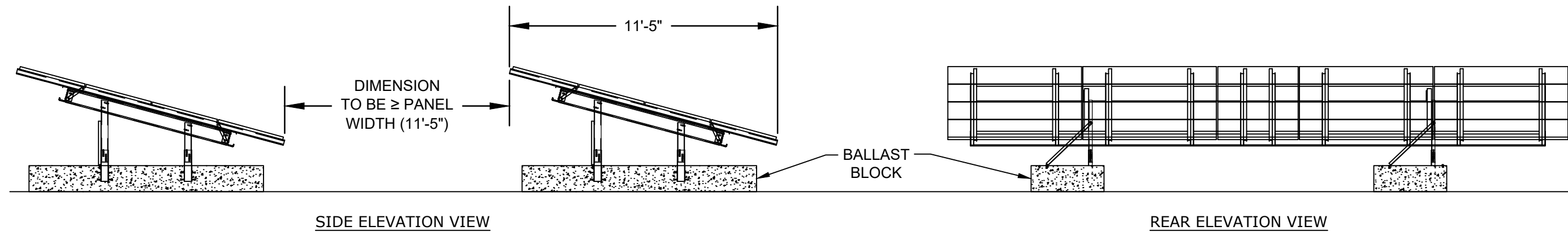
CLIENT: VCP, LLC
 150 TRUMBULL ST.
 HARTFORD, CT 06103

VEROGEY

ANDREW P. VARDAKIS
 No. 12219
 REGISTERED PROFESSIONAL ENGINEER (CIVIL)
 01/03/2024

DESIGNED BY: MDM
CHECKED BY: APV
DRAWN BY: MRM
SCALE: AS SHOWN

PROJECT NUMBER: 3652200299
DRAWING NUMBER: C-102
SHEET NUMBER: 4 OF 6



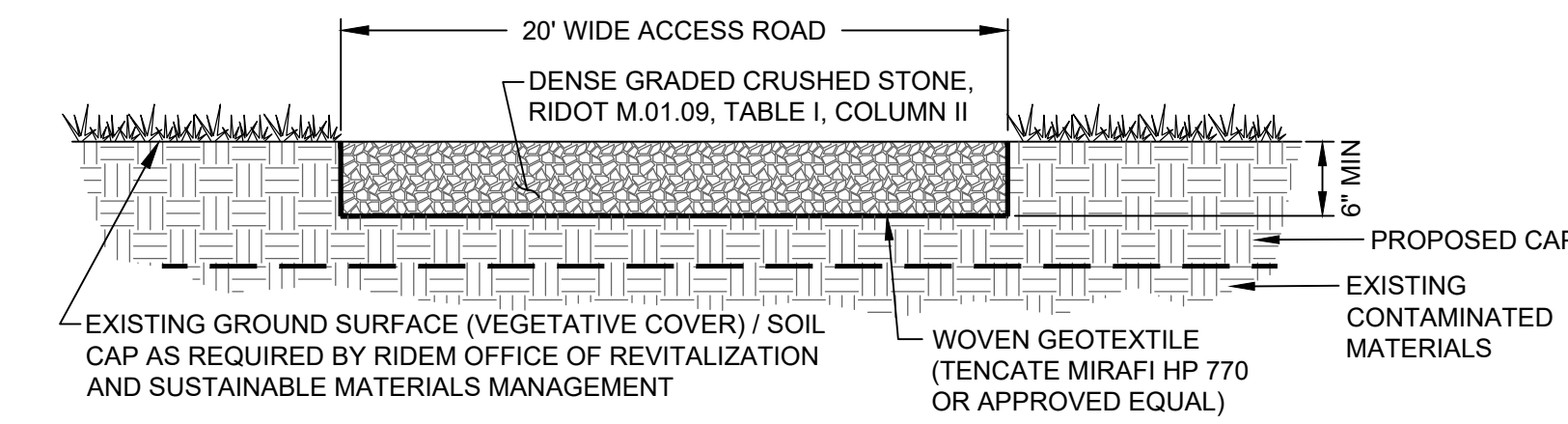
NOTES:

- DESIGN FOR FOUNDATIONS, RACKING, AND MODULES BY OTHERS. DETAILS SHOWN FOR ILLUSTRATION PURPOSES ONLY.
- SEE DETAIL 5 THIS SHEET FOR INTERIOR AND EXTERIOR BLOCK DIMENSIONS.
- ROW SPACING IS EQUAL TO OR GREATER THAN PANEL WIDTH.

SOLAR PV ARRAY

NOT TO SCALE

1



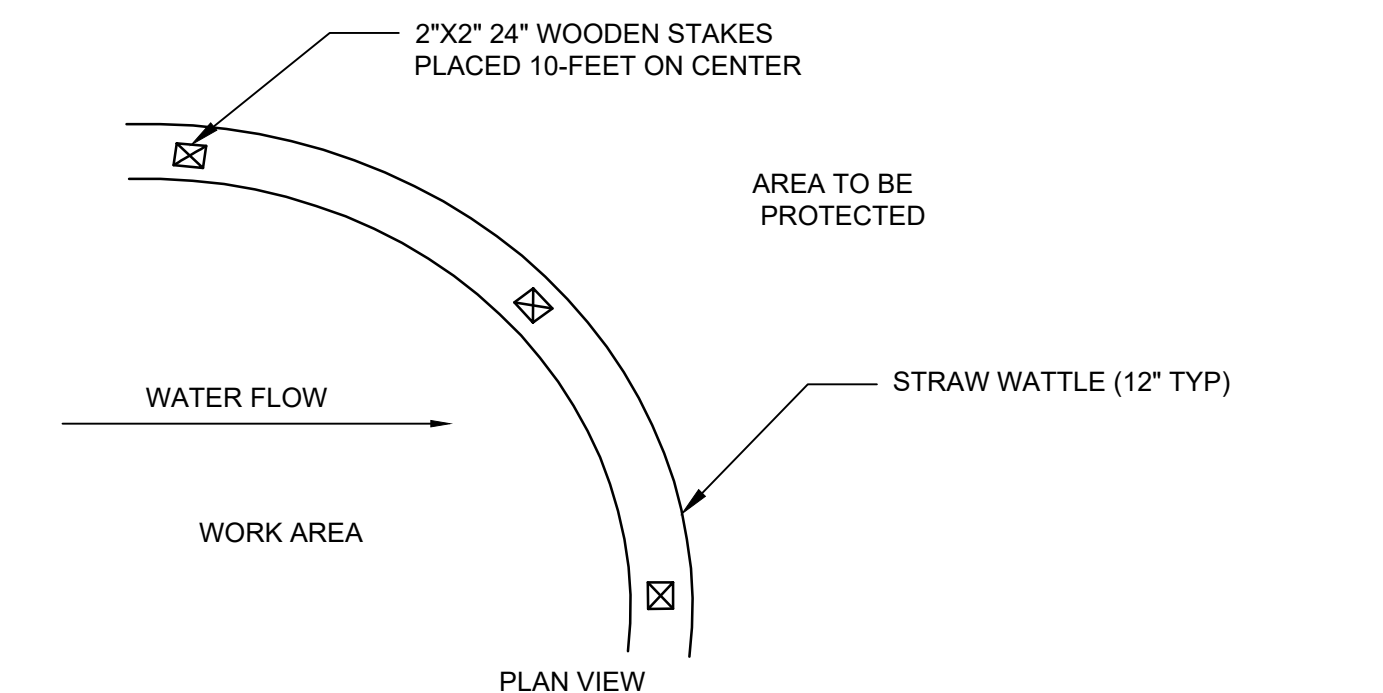
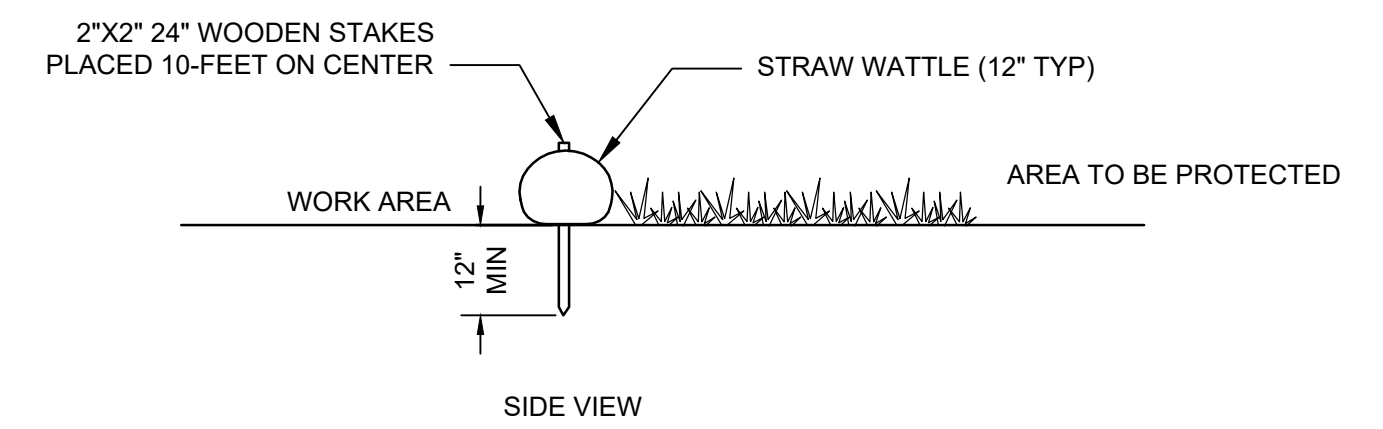
NOTES:

- ACCESS ROAD TO BE CONSTRUCTED OF A MINIMUM 6\"/>

ACCESS ROAD

NOT TO SCALE

2



SEDIMENT BARRIER (STRAW WATTLE)

NOT TO SCALE

3

EROSION AND SEDIMENTATION CONTROL PLAN:

THIS PLAN HAS BEEN DEVELOPED TO PROVIDE A STRATEGY FOR CONTROLLING SOIL EROSION AND SEDIMENTATION DURING AND AFTER CONSTRUCTION OF THE PROPOSED PROJECT.

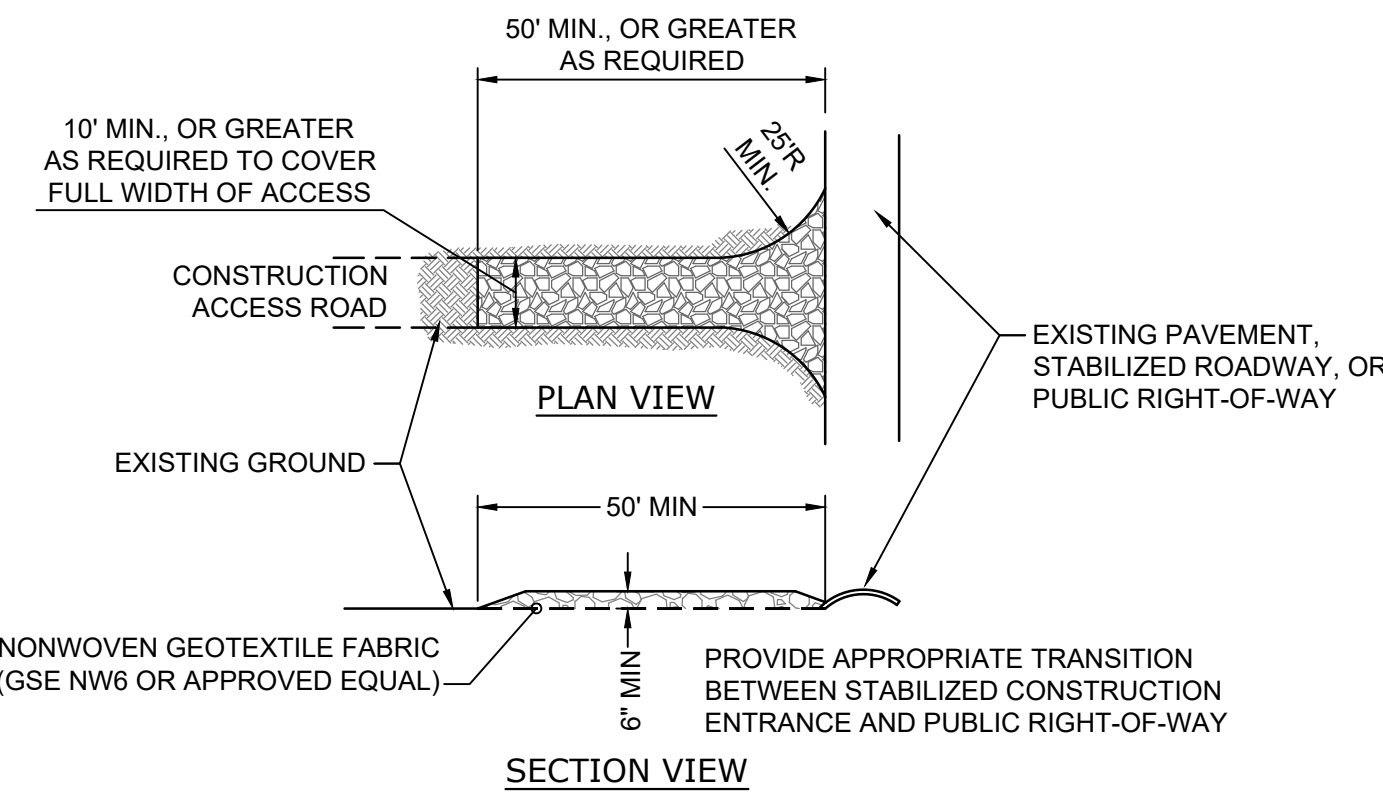
GENERAL EROSION AND SEDIMENTATION CONSTRUCTION DETAIL NOTES:

DURING CONSTRUCTION, THE CONTRACTOR SHALL TAKE ALL REASONABLE MEASURES TO SCHEDULE EARTHWORK OPERATIONS SUCH THAT THE AREA OF EXPOSED AND DISTURBED SOIL IS MINIMIZED. CONSTRUCTION SHALL BE PHASED TO MINIMIZE THE AREA OF DISTURBED SOIL THAT IS EXPOSED AT ANY ONE TIME. UPGRADIENT STORMWATER DIVERSION AND DISPERSION MEASURES SHALL BE INSTALLED WHERE APPROPRIATE. ALL CUT AND FILL SLOPES SHALL BE STABILIZED UPON COMPLETION. THE FOLLOWING MEASURES WILL BE UNDERTAKEN TO PROVIDE MAXIMUM PROTECTION TO THE SOIL, WATER, AND ADJUTING LANDS:

- PRIOR TO GRUBBING OR ANY EARTH MOVING OPERATION, SEDIMENT BARRIERS, OR OTHER APPROPRIATE PERIMETER CONTROL BEST MANAGEMENT PRACTICES (BMPs) SHALL BE INSTALLED ACROSS THE SLOPE ON THE CONTOUR AT THE DOWNHILL LIMIT OF THE WORK AS PROTECTION AGAINST CONSTRUCTION RELATED EROSION. INSTALL ALL NECESSARY STORMWATER DIVERSIONS AND DISPERSION MEASURES.
- PERMANENT SOIL STABILIZATION MEASURES FOR ALL SLOPES, OR ANY DISTURBED LAND AREA SHALL BE COMPLETED WITHIN FOURTEEN CALENDAR DAYS AFTER FINAL GRADING HAS BEEN COMPLETED. WHEN IT IS NOT POSSIBLE OR PRACTICAL TO PERMANENTLY STABILIZE DISTURBED LAND, TEMPORARY EROSION CONTROL MEASURES SHALL BE IMPLEMENTED ON DISTURBED AREAS (INCLUDING STOCKPILES) WITHIN FOURTEEN CALENDAR DAYS OF EXPOSURE OF SOIL OR FORMATION OF PILES. UNLESS THESE AREAS ARE TO BE SUBSEQUENTLY SURFACED WITH PERMANENT STRUCTURES. ALL DISTURBED AREAS SHALL BE MULCHED FOR EROSION CONTROL UPON COMPLETION OF ROUGH GRADING.
- ANY EXPOSED SLOPES 3:1 OR GREATER SHALL BE STABILIZED WITH EROSION CONTROL BLANKETS (ERONET C125 BY NORTH AMERICAN GREEN, OR APPROVED EQUAL) TO PREVENT EROSION DURING CONSTRUCTION AND TO FACILITATE REVEGETATION AFTER TOPSOILING AND SEEDING.
- IF MATERIAL STOCKPILES ARE NEEDED, SEDIMENT BARRIER SHALL BE INSTALLED AT THE BASE OF STOCKPILES AT THE DOWNHILL LIMIT TO PROTECT AGAINST EROSION. STOCKPILES ANTICIPATED TO REMAIN FOR MORE THAN FOURTEEN CALENDAR DAYS SHALL BE STABILIZED BY SEEDING AND MULCHING UPON FORMATION OF THE PILES. UPGRADIENT OF THE STOCKPILES, STABILIZED DITCHES AND/OR BERMS SHALL BE CONSTRUCTED TO DIVERT STORMWATER RUNOFF AWAY FROM THE PILES.
- INTERCEPTED SEDIMENT SHALL BE REMOVED WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SEDIMENT BARRIER, OR AS DIRECTED IN THE DRAWING DETAILS FOR OTHER BMPs, AND SHALL BE DEPOSITED IN AN AREA THAT SHALL NOT CONTRIBUTE TO SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED. ALL DAMAGED EROSION CONTROL DEVICES SHALL BE REPAIRED AND/OR REPLACED IMMEDIATELY. DEVICES NO LONGER SERVICEABLE DUE TO SEDIMENT ACCUMULATION SHALL ALSO BE REPAIRED AND/OR REPLACED AS REQUIRED.
- SOIL CUTTINGS GENERATED DURING THE DRILLING OF PILOT HOLES FOR FOUNDATION POSTS SHALL BE REMOVED AND COLLECTED. SOIL CUTTINGS MAY BE STOCKPILED TEMPORARILY, BUT ULTIMATELY SHALL BE DISPOSED AND SPREAD IN AN AREA THAT SHALL NOT CONTRIBUTE TO OFF-SITE SEDIMENTATION, AND PERMANENTLY STABILIZED.
- ADDITIONAL EROSION CONTROL METHODS SHALL BE IMPLEMENTED IF CONSTRUCTION OCCURS AFTER DECEMBER 15TH. ALL DISTURBED AREAS SHALL BE MINIMIZED TO THE EXTENT POSSIBLE. PRIOR TO FREEZING, ADDITIONAL EROSION CONTROL DEVICES SHALL BE INSTALLED AS APPROPRIATE. INSPECTION OF THESE EROSION CONTROL ITEMS SHALL BE FREQUENT, WITH PARTICULAR ATTENTION PAID TO WEATHER PREDICTIONS TO ENSURE THAT THESE MEASURES ARE PROPERLY IN PLACE TO HANDLE LARGE QUANTITIES OF RUNOFF RESULTING FROM HEAVY RAINS OR EXCESSIVE THAWS.
- GENERAL EROSION AND SEDIMENTATION CONTROL ACTIONS SHALL INCLUDE THE FOLLOWING:
 - MARK SOIL DISTURBANCE LIMITS
 - INSTALL SEDIMENT BARRIERS BEFORE DISTURBING ANY SOILS
 - DIVERT AND DISPERSE STORMWATER RUNOFF TO UNDISTURBED AREAS WHEREVER POSSIBLE
 - MULCH DISTURBED AREAS
 - PROTECT STEEP SLOPES
 - INSPECT AND REPAIR EROSION CONTROLS AND SEDIMENT BARRIERS

DUST CONTROL:

- CONSTRUCTION ACTIVITIES SHALL BE SCHEDULED TO MINIMIZE THE AREA OF DISTURBED SOIL THAT IS EXPOSED AT ONE TIME.
- DUST CONTROL SHALL BE USED ON CONSTRUCTION ROUTES AND OTHER DISTURBED AREAS SUBJECT TO SURFACE DUST MOVEMENT AND DUST BLOWING.
- MAINTAIN DUST CONTROL MEASURES PROPERLY THROUGH DRY WEATHER PERIODS UNTIL ALL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED.
- DUST CONTROL METHODS SHALL BE APPROVED BY THE ENGINEER AND MAY INCLUDE VEGETATIVE COVER, MULCH (INCLUDING GRAVEL MULCH), SPRAY-ON-ADHESIVE, CALCIUM CHLORIDE, SPRINKLING, STONE, AND BARRIERS.
- VEGETATIVE COVER - FOR DISTURBED AREAS NOT SUBJECT TO TRAFFIC, VEGETATION PROVIDES THE MOST PRACTICAL METHOD OF DUST CONTROL.
- MULCH (INCLUDING GRAVEL MULCH) - WHEN PROPERLY APPLIED, MULCH OFFERS A FAST, EFFECTIVE MEANS OF CONTROLLING DUST. SEE MANUFACTURER'S RECOMMENDATIONS OR THE RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK FOR APPLICATION RATES.
- SPRAY-ON ADHESIVE - LATEX EMULSIONS OR RESIN IN WATER CAN BE SPRAYED ONTO MINERAL SOIL TO PREVENT PARTICLES FROM BLOWING AWAY.
- CALCIUM CHLORIDE - CALCIUM CHLORIDE MAY BE APPLIED BY MECHANICAL SPREADER AS LOOSE, DRY GRANULES OR FLAKES AT A RATE THAT KEEPS THE SURFACE MOIST BUT NOT SO HIGH AS TO CAUSE WATER POLLUTION OR PLANT DAMAGE.
- SPRINKLING - EXPOSED SOILS MAY BE SPRINKLED UNTIL THE SURFACE IS WET. SPRINKLING IS ESPECIALLY EFFECTIVE FOR DUST CONTROL ON HAUL ROADS AND OTHER TRAFFIC ROUTES.
- STONE - USED TO STABILIZE CONSTRUCTION ROADS; CAN ALSO BE EFFECTIVE FOR DUST CONTROL.
- BARRIERS - A BOARD FENCE, WIND FENCE, SEDIMENT FENCE, OR SIMILAR BARRIER CAN CONTROL AIR CURRENTS AND BLOWING SOIL. ALL OF THESE FENCES ARE NORMALLY CONSTRUCTED OF WOOD AND THEY PREVENT EROSION BY OBSTRUCTING THE WIND NEAR THE GROUND AND PREVENTING THE SOIL FROM BLOWING OFFSITE.



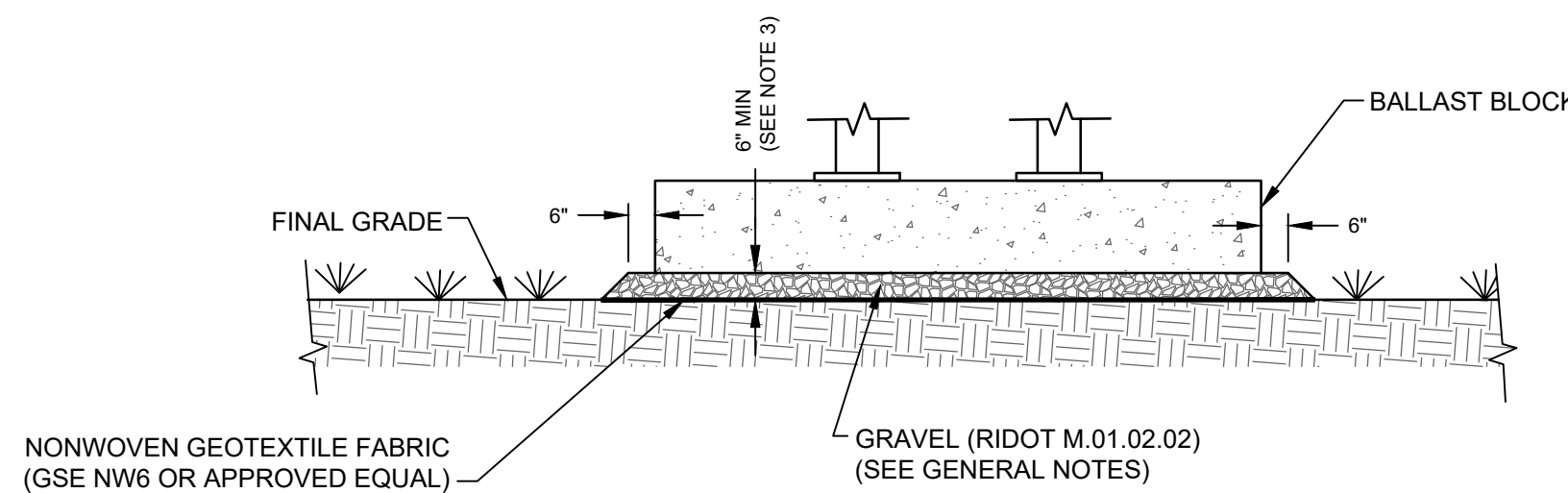
NOTES:

- STONE TO BE 1\"/>

STABILIZED CONSTRUCTION ENTRANCE

NOT TO SCALE

4



NOTES:

- MINIMUM 6\"/>

BALLAST INSTALLATION

NOT TO SCALE

5

MONITORING PROGRAM:

- EROSION AND SEDIMENTATION CONTROLS SHALL BE INSPECTED AT LEAST ONCE EVERY 7 CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM EVENT OF 0.25 INCHES OR GREATER. DAILY RAINFALL SHALL BE MONITORED AND RECORDED BY THE CONTRACTOR. ALL STRUCTURES DAMAGED BY CONSTRUCTION EQUIPMENT, VANDALS, OR THE ELEMENTS SHALL BE REPAIRED OR REPLACED IMMEDIATELY, PRIOR TO CONTINUING THE CONSTRUCTION.
- FOLLOWING THE FINAL SEEDING, THE SITE SHALL BE INSPECTED IN ACCORDANCE WITH THE SCHEDULE OUTLINED IN #1 ABOVE, TO ENSURE THAT THE VEGETATION HAS BEEN ESTABLISHED (70% COVER ACHIEVED). IN THE EVENT OF ANY UNSATISFACTORY GROWTH, RESEEDING WILL BE CARRIED OUT, WITH FOLLOW-UP INSPECTION.
- AFTER THE CONSTRUCTION INSPECTOR HAS DETERMINED THAT THE PROJECT AREA HAS BEEN PERMANENTLY STABILIZED (70% COVER HAS BEEN ACHIEVED OR NON-VEGETATED MEASURES HAVE BEEN IMPLEMENTED), THE CONTRACTOR SHALL REMOVE ALL SEDIMENT BARRIERS, TEMPORARY SEDIMENTATION CONTROL RISERS AND ANY OTHER TEMPORARY EROSION CONTROL MEASURES.

SEEDING AND REVEGETATION PLAN:

UPON COMPLETION OF SITE CONSTRUCTION, ALL AREAS PREVIOUSLY DISTURBED SHALL BE TREATED AS STATED BELOW. THESE AREAS WILL BE CLOSELY MONITORED BY THE CONTRACTOR UNTIL SUCH TIME AS A SATISFACTORY GROWTH OF VEGETATION IS ESTABLISHED. SATISFACTORY GROWTH SHALL MEAN A MINIMUM OF 70% OF THE AREA IS VEGETATED WITH VIGOROUS GROWTH.

- TOPSOIL WILL BE SPREAD OVER ALL DISTURBED AREAS TO BE REVEGETATED AND SHALL BE GRADED TO A UNIFORM DEPTH OF FOUR (4) TO SIX (6) INCHES.
- APPLY SEED AS DIRECTED BELOW:

(APRIL 1ST THROUGH OCTOBER 1ST)

 - SEED DISTURBED AREAS AT THE RATE OF 4 LBS PER 1,000 SQ. FT. OF THE FOLLOWING MIXTURE:
 - ERNST SEEDS ERNMX-105 OR APPROVED EQUAL
 - APPLY WOOD FIBER MULCH AT A RATE OF 2,000 LBS PER ACRE FOR MAXIMUM MOISTURE RETENTION.
 - (NOVEMBER 1ST THROUGH DECEMBER 15TH)
 - SEED DISTURBED AREAS AT THE RATE OF 8 LBS PER 1,000 SQ. FT. OF THE FOLLOWING MIXTURE:
 - ERNST SEEDS ERNMX-105 OR APPROVED EQUAL
 - APPLY HAY MULCH AT THE RATE OF 100 LBS PER 1,000 SQ. FT.
 - (AFTER DECEMBER 15TH)
 - DO NOT SEED.
 - APPLY HAY MULCH AT THE RATE OF 100 LBS PER 1,000 SQ. FT.

- FERTILIZER AND LIME SELECTIONS BASED ON SOIL TESTING IS RECOMMENDED. IN ABSENCE OF A SOIL TEST, APPLY LIME AT A RATE OF 2.5 TONS PER ACRE AND 10-20-20 FERTILIZER AT A RATE OF 500 POUNDS PER ACRE. 40% OF THE NITROGEN SHALL BE IN AN ORGANIC OR SLOW-RELEASED FORM. THE TARGET PH FOR LIMED SOIL IS 5.5 - 6.0. LIME AND FERTILIZER SHALL BE INCORPORATED INTO THE TOP 2-3 INCHES OF SOIL. FERTILIZER WILL ONLY BE USED AS NECESSARY TO ESTABLISH INITIAL VEGETATIVE GROWTH.
- SEEDING METHODS MAY BE DRILL SEEDINGS, BROADCASTS AND ROLLED, CULTIPLACED, OR TRACKED WITH A SMALL TRACK PIECE OF CONSTRUCTION EQUIPMENT, OR HYDRO-SEEDING, WITH SUBSEQUENT TRACKING.
- WATERING MAY BE REQUIRED DURING DRY PERIODS CONSULT SEED MANUFACTURER'S INSTRUCTIONS.
- STEEP SLOPES (3:1 AND STEEPER) SHALL BE STABILIZED BY INSTALLING EROSION CONTROL BLANKET (ERONET C125 BY NORTH AMERICAN GREEN, OR APPROVED EQUAL).
- INSPECT SEEDED AREAS FOR FAILURE AND MAKE NECESSARY REPAIRS AND RESEED IMMEDIATELY. CONDUCT A FOLLOW-UP SURVEY AFTER ONE YEAR AND RESEED WHERE NECESSARY.
- IF THERE ARE AREAS WITH LESS THAN 40% COVER, REEVALUATE CHOICE OF PLANT MATERIALS AND QUANTITIES OF LIME AND FERTILIZER. IF THE SEASON PREVENTS RESEEDING, MULCH OR JUTE NETTING IS AN EFFECTIVE TEMPORARY COVER.
- SEEDED AREAS SHOULD BE FERTILIZED DURING THE SECOND GROWING SEASON.
- LIME AND FERTILIZER THEREAFTER AT PERIODIC INTERVALS, AS NEEDED. HERBICIDES SHALL NOT BE USED.
- ALL SEDIMENT CONTROL STRUCTURES LOCATED DOWN GRADIENT OF SOILS STABILIZED BY VEGETATIVE MEASURES SHALL REMAIN IN PLACE UNTIL VEGETATION IS ESTABLISHED. ESTABLISHED MEANS A MINIMUM OF 85% OF THE AREA IS VEGETATED WITH VIGOROUS GROWTH.
- THE USE OF FUNGICIDES, PESTICIDES, HERBICIDES, INSECTICIDES, CHEMICALS, OR SOLVENTS SHALL BE PROHIBITED.



| | | |
|-----------------------------------------------|----------|----------|
| ISSUED FOR CITY PRELIMINARY/FINAL PLAN REVIEW | APV | APPROVED |
| REVISED PER RIDEM COMMENTS | APV | |
| REVISED PER CITY COMMENTS | APV | |
| ISSUED FOR PERMITTING / NOT FOR CONSTRUCTION | APV | |
| RESPONSE TO RIDEM COMMENTS | CR | |
| RESPONSE TO RIDEM COMMENTS | CR | |
| ADDRESSED COMMENTS | CR | |
| ISSUE / REVISION DESCRIPTION | ISSUED | |
| DATE | REVISION | |
| 01/03/2024 | 7 | |
| 01/07/2023 | 6 | |
| 2/09/2023 | 5 | |
| 1/19/2023 | 4 | |
| 9/10/2021 | 3 | |
| 8/20/2021 | 2 | |
| 6/29/2021 | 1 | |

PROJECT: 998.40 KW DC GROUND-MOUNT SOLAR PV DEVELOPMENT
240 KNIGHT STREET
WARWICK, RHODE ISLAND

TITLE: CONSTRUCTION, EROSION, AND SEDIMENTATION CONTROL DETAILS AND NOTES

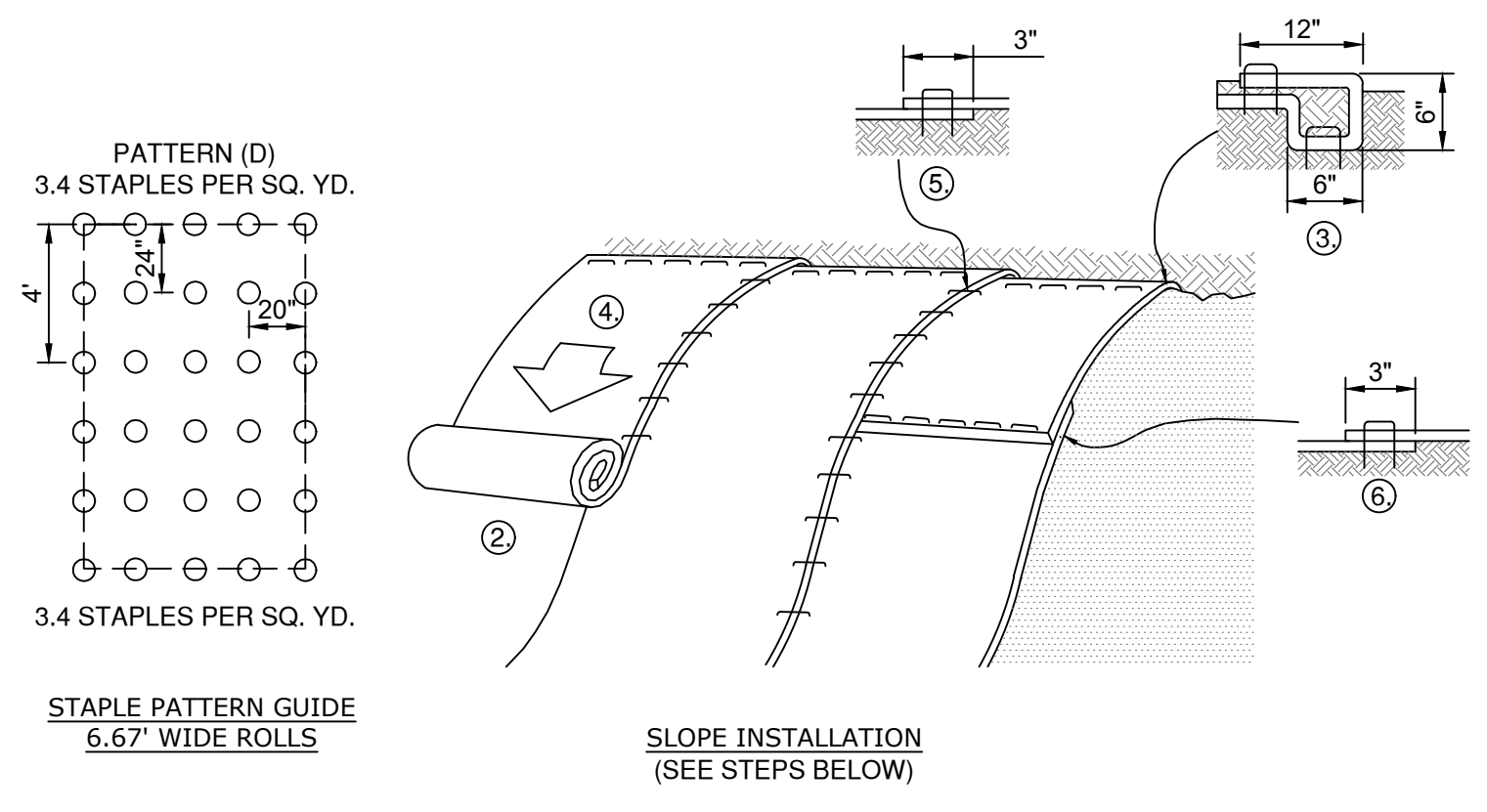
CLIENT: VCP, LLC
150 TRUMBULL ST.
HARTFORD, CT 06103

VEROGEY

SEAL: ANDREW P. VARDAKIS
No. 12219
REGISTERED PROFESSIONAL ENGINEER (CIVIL)
01/03/2024

DESIGNED BY: MDM
DRAWN BY: MRM
CHECKED BY: APV
SCALE: AS SHOWN
PROJECT NUMBER: 3652200299
DRAWING NUMBER: C-501
SHEET NUMBER: 5 OF 6

ISSUED FOR PERMITTING / NOT FOR CONSTRUCTION



NOTES:

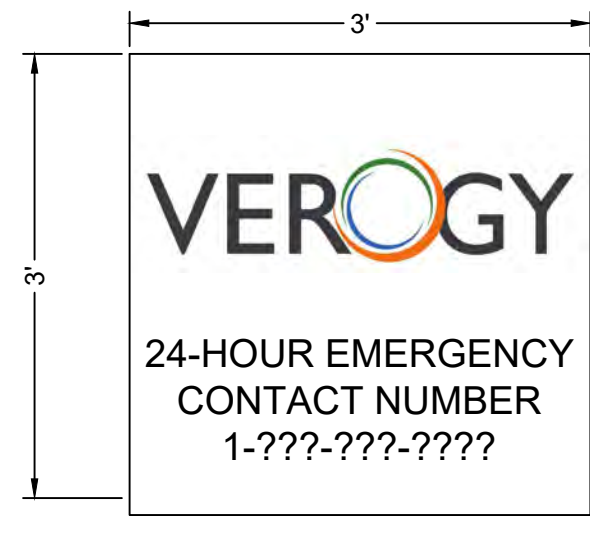
THIS DETAIL REFERENCES PRODUCTS BY NORTH AMERICAN GREEN. EQUIVALENT PRODUCTS MAY BE USED AS APPROVED BY THE ENGINEER. EROSION CONTROL BLANKETS TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND INSTRUCTIONS.

1. EROSION CONTROL MATTING TO BE NORTH AMERICAN GREEN S75BN OR APPROVED EQUAL. INSTALL USING STAPLE PATTERN D.
2. PREPARE SOIL BEFORE INSTALLING ROLLED EROSION CONTROL PRODUCTS (RECPs), INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED (SEE DRAWING G-001).
3. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE RECPs IN A 6" DEEP X 6" WIDE TRENCH WITH APPROXIMATELY 12" OF RECPs EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE RECPs WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF RECPs BACK OVER SEED AND COMPACTED SOIL. SECURE RECPs OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE RECPs.
4. ROLL THE RECPs DOWN THE SLOPE. RECPs WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL RECPs MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING THE DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
5. THE EDGES OF PARALLEL RECPs MUST BE STAPLED WITH AN APPROXIMATE 3" OVERLAP.
6. CONSECUTIVE RECPs SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART ACROSS ENTIRE RECPs WIDTH.
7. STAPLES LONGER THAN 6 INCHES SHALL NOT BE USED WITHIN THE LIMIT OF WASTE TO AVOID PENETRATION INTO THE LANDFILL CAP.

EROSION CONTROL BLANKET INSTALLATION

NOT TO SCALE

6



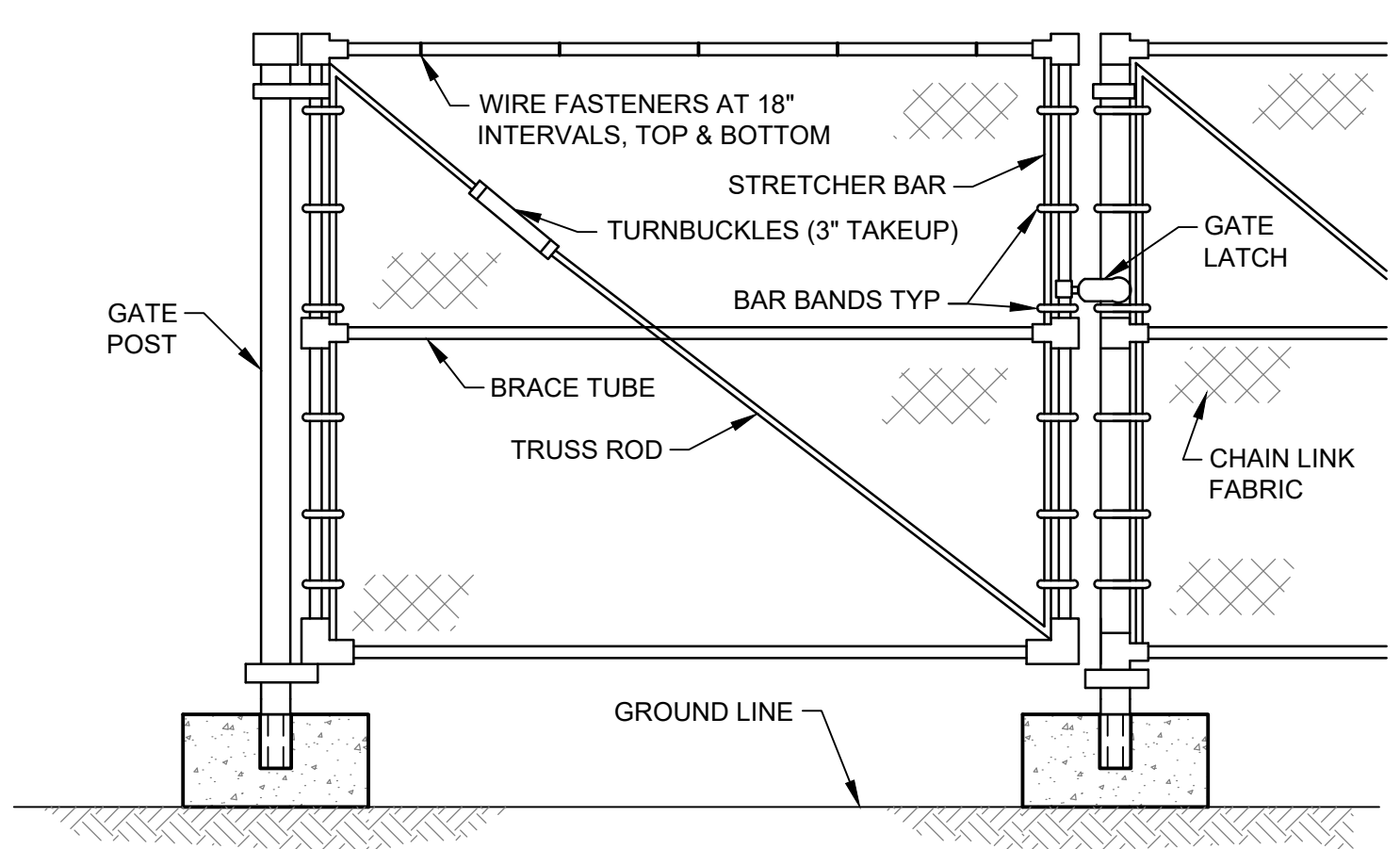
NOTES:

1. CONTACT NUMBER TO BE FINALIZED PRIOR TO CONSTRUCTION.
2. SIGN TO BE MADE OF WOOD AND MOUNTED TO THE GATE.

ACCESS SIGN DETAIL

NOT TO SCALE

7



NOTE:

1. BALLAST AND FINAL FENCE DESIGN TO BE FINALIZED PRIOR TO CONSTRUCTION.

PEDESTRIAN CHAIN LINK FENCE GATE

NOT TO SCALE

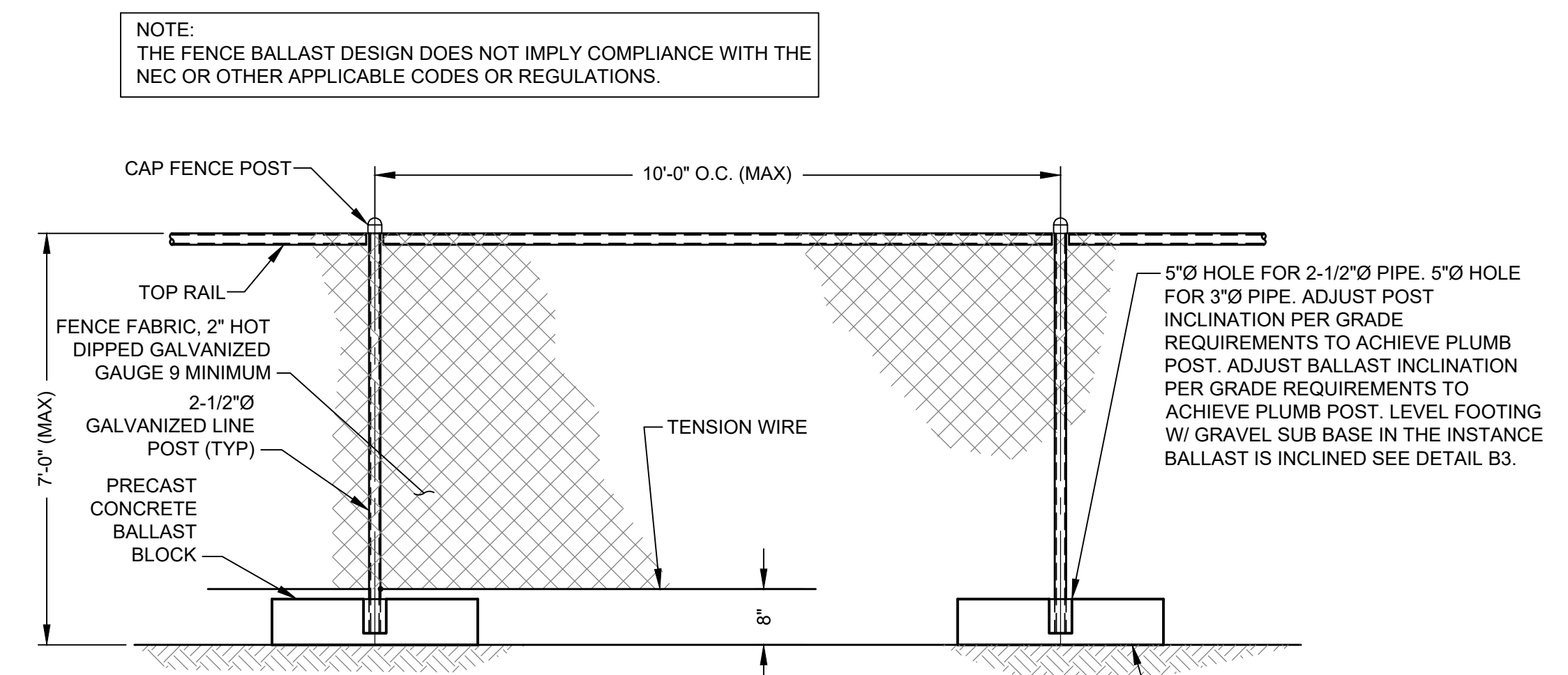
BALLASTED FENCE DETAIL

NOT TO SCALE

SEE LANDSCAPE ARCHITECT'S PLAN FOR FENCE GATE DETAIL

FENCE GATE DETAIL

NOT TO SCALE



NOTE:
THE FENCE BALLAST DESIGN DOES NOT IMPLY COMPLIANCE WITH THE NEC OR OTHER APPLICABLE CODES OR REGULATIONS.

NOTE:

1. ALL SECURITY FENCING TO BE BLACK, COLOR-COATED CHAINLINK FENCE.

FENCE ELEVATION

NOT TO SCALE

8

| ISSUED FOR CITY PRELIMINARY/FINAL PLAN REVIEW | ISSUED FOR PERMITTING / NOT FOR CONSTRUCTION | ISSUE / REVISION DESCRIPTION | DATE | REVISION |
|-----------------------------------------------|----------------------------------------------|-----------------------------------------------|------------|----------|
| MRM | APV | ISSUED FOR CITY PRELIMINARY/FINAL PLAN REVIEW | 01/03/2024 | 7 |
| PDG | APV | REVISED PER RIEMEN COMMENTS | 01/07/2023 | 6 |
| PDG | APV | REVISED PER CITY COMMENTS | 2/09/2023 | 5 |
| PDG | APV | ISSUED FOR PERMITTING / NOT FOR CONSTRUCTION | 1/19/2023 | 4 |
| CR | GA | RESPONSE TO RIEMEN COMMENTS | 9/10/2021 | 3 |
| CR | GA | RESPONSE TO RIEMEN COMMENTS | 8/20/2021 | 2 |
| CR | GA | ADDRESSED COMMENTS | 8/28/2021 | 1 |

PROJECT: 998.40 KW DC GROUND-MOUNT SOLAR PV DEVELOPMENT
240 KNIGHT STREET
WARWICK, RHODE ISLAND

TITLE: CONSTRUCTION, EROSION, AND SEDIMENTATION CONTROL DETAILS 1

CLIENT: VCP, LLC
150 TRUMBULL ST.
HARTFORD, CT 06103

VEROGY

SEAL:

ANDREW P. VARDAKIS
No. 12219
REGISTERED PROFESSIONAL ENGINEER (CIVIL)
01/03/2024

DESIGNED BY: MDM
CHECKED BY: APV
PROJECT NUMBER: 3652200299

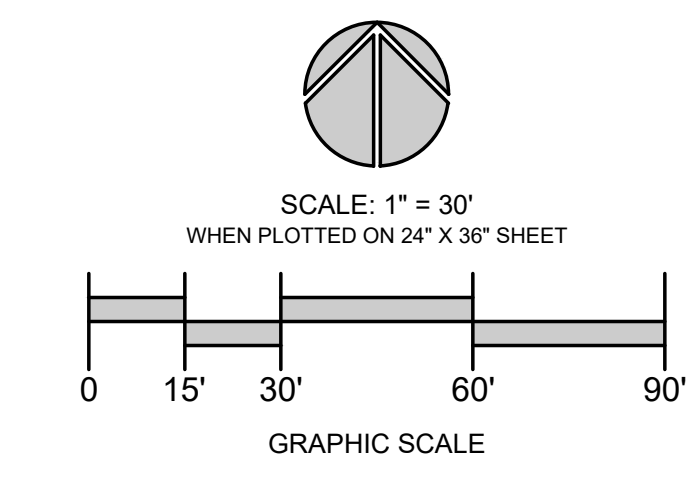
DRAWN BY: MRM
SCALE: AS SHOWN
DRAWING NUMBER: C-502
SHEET NUMBER: 6 OF 6

ISSUED FOR PERMITTING / NOT FOR CONSTRUCTION

2,341,336 KnightStreetSolar_WarwickRI.dwg

PROPOSED LEGEND

- UTILITY POLE
- GRAVEL ACCESS ROAD
- CONSTRUCTION ENTRANCE
- FENCE LINE
- EC UNDERGROUND CONDUIT
- OHE OVERHEAD ELECTRIC LINE
- TC LIMIT OF TREE CLEARING
- LOD LIMIT OF DISTURBANCE
- SB SEDIMENT BARRIER
- 30 EXISTING CONTOUR
- 30 PROPOSED CONTOUR
- APPROXIMATE LIMIT OF EXISTING VEGETATION



REVISION HISTORY:

| DATE | REVISION |
|--------|----------------------------------------------------------------------------------------------------|
| 6/5/23 | Revised per HDC Comments: Plant Installation Size, Berm Extension, and Gate Height |
| 1/3/24 | Issued for City Preliminary/Final Plan Review: Revised per City Comments and Adjusted Array Layout |

- 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 with Revisions Through 1/3/24, 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

Plat 275, Lots 38 and 52
240 Knight Street
Warwick, RI 02886

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

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

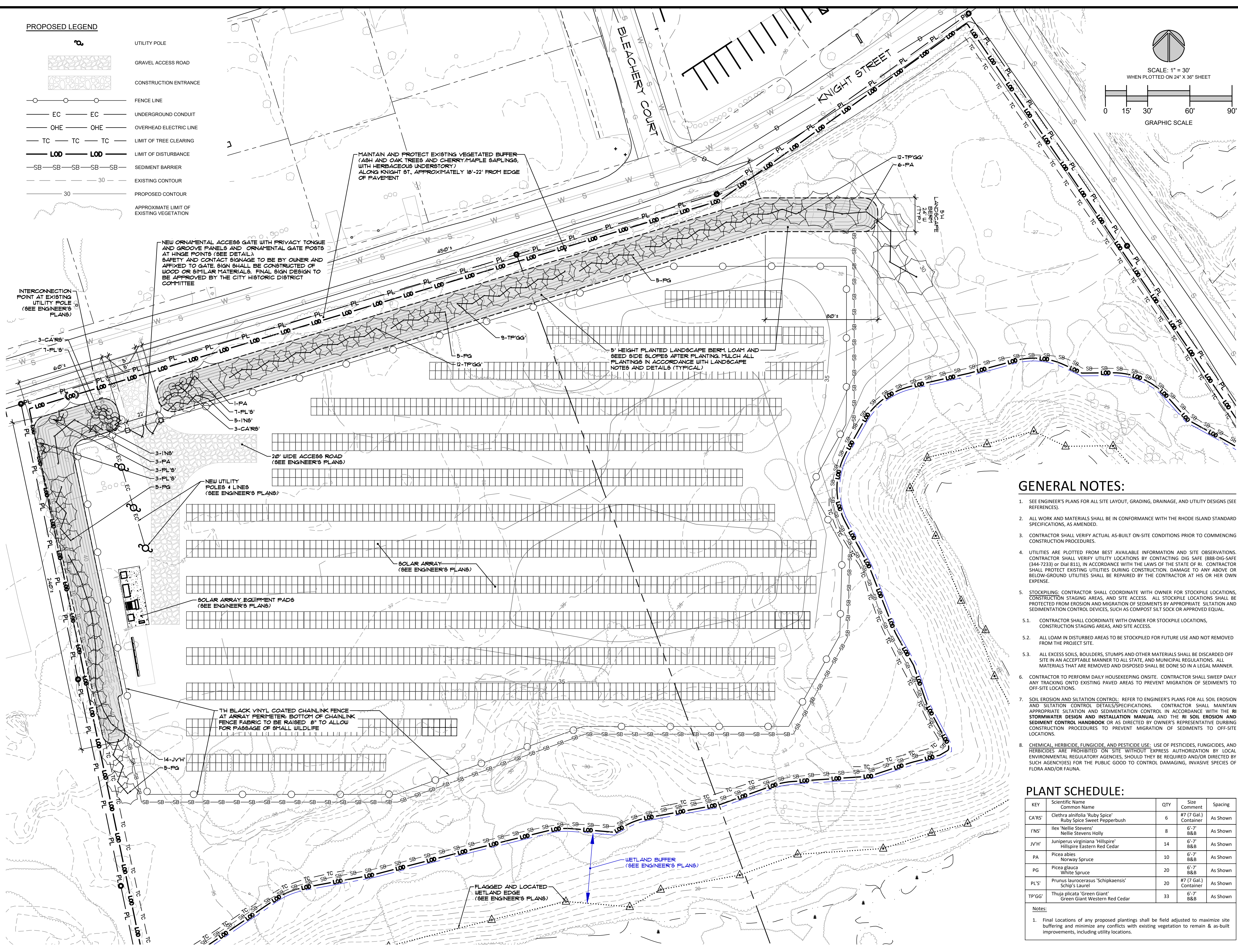
Kevin M. Alverson
360 Annaquatucket Road
Wickford, RI 02852
401.338.0044
KevinMAlverson@LA.com



Landscape Plan

Project #: 2.261.319
Scale: As Shown
Drawn By: KMA
Checked By: KMA
Date: April 26, 2023

Sheet 1 of 2
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 EQUIAL.
- 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 | #7 (7 Gal.) Container | As Shown |
| IVNS' | Ilex 'Nellie Stevens' Nellie Stevens Holly | 8 | 6'-7" B&B | As Shown |
| IVH' | Juniperus virginiana 'Hillspire' Hillspire Eastern Red Cedar | 14 | 6'-7" B&B | As Shown |
| PA | Picea abies Norway Spruce | 10 | 6'-7" B&B | As Shown |
| PG | Picea glauca White Spruce | 20 | 6'-7" 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 | 6'-7" B&B | As Shown |

Notes:

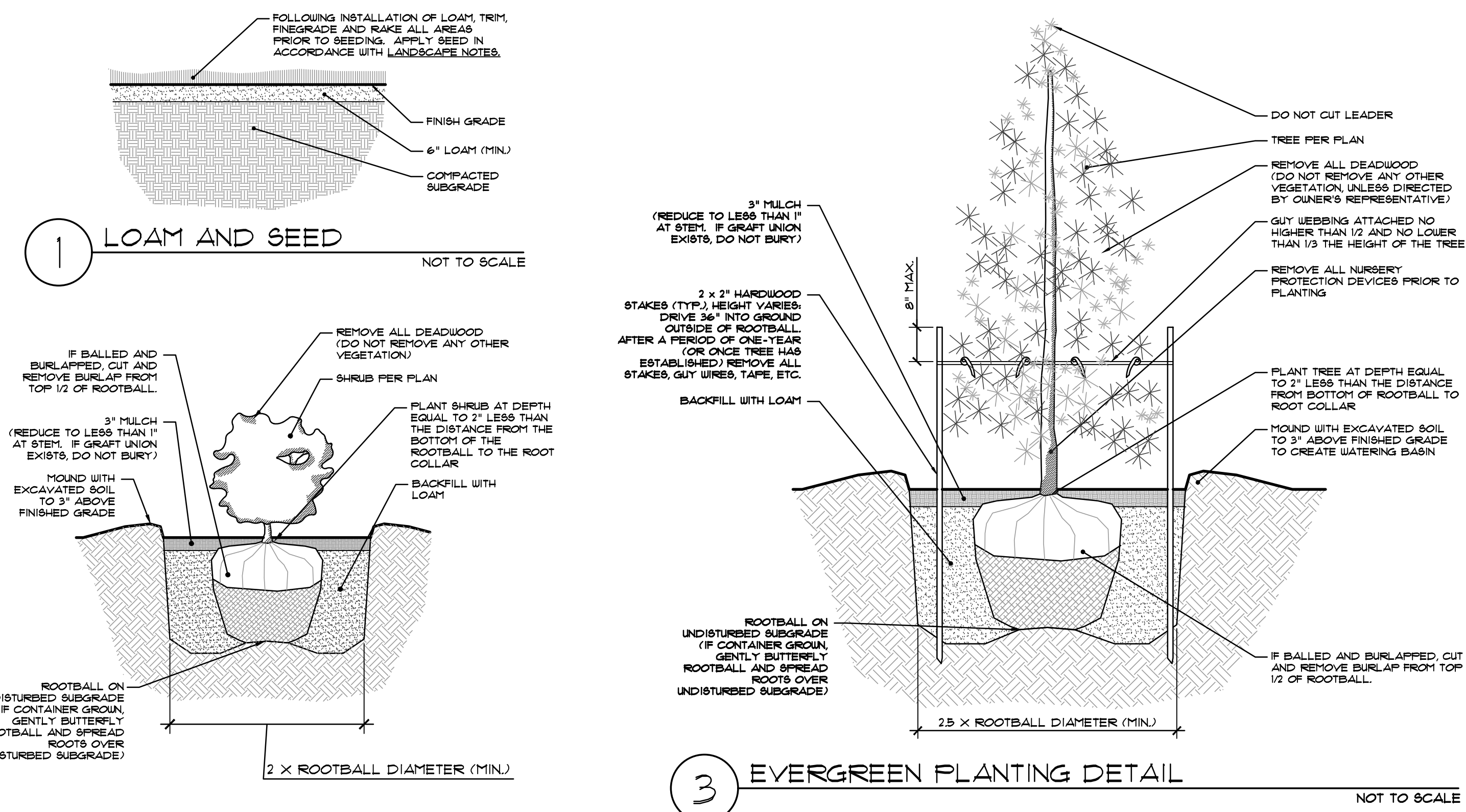
- Final Locations of any proposed plantings shall be field adjusted to maximize site buffering and minimize any conflicts with existing vegetation to remain & as-built improvements, including utility locations.

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2.341.336 KnightStreetSolar_WarwickRI.dwg

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.
- THE CONTRACTOR SHALL PERFORM ALL WORK IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS, AND SHALL OBTAIN ALL NECESSARY PERMITS FOR THE PROJECT.
- 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 NEGLIGENCE), 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.
 - PROPOSED PLANTINGS AND SUPPLEMENTAL BUFFERING SHALL BE MAINTAINED FOR THE LIFE OF THE SOLAR ENERGY FACILITY BY THE OWNER. IF REQUIRED DURING THIS PERIOD, OWNER SHALL BE RESPONSIBLE TO REPAIR SECTION(S) OF THE BUFFER/SCREENING FOUND NOT TO MEET THE INTENT OF THE DESIGNED PROJECT BUFFERING.
 - 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.
 - EXISTING VEGETATION PROTECTION LINE: WHEN REQUIRED TO PROTECT VEGETATION TO REMAIN, PROTECTIVE BARRIERS ARE TO BE INSTALLED ALONG THE LIMIT OF DISTURBANCE ABUTTING SAID 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.
 - NO KNOWN TREES 20" IN DIA OR LARGER ARE WITHIN THE SUBJECT LIMIT OF DISTURBANCE. SHOULD TREES OF THIS SIZE BE FOUND AND REQUIRE REMOVAL, THEY WILL BE REPLACED WITH NEW NATIVE TREE PLANTINGS(S), SIZED 3"-3.5" MIN. CAL. AT TIME OF INSTALLATION AT A 1:1 REPLACEMENT RATIO. FINAL PLACEMENT AND VARIETY OF ANY REQUIRED REPLACEMENT TREE(S) TO BE DETERMINED BY PROJECT LANDSCAPE ARCHITECT. IF SIGNIFICANT TREES ARE FOUND WITHIN THE SUBJECT PROJECT AREA, A LICENSED ARBORIST MAY BE CONSULTED TO ASSIST IN DEVISING ANY SPECIAL PROTECTION AND PRESERVATION STRATEGIES THAT MAY BE REQUIRED BASED ON ANY SPECIAL TREE SPECIES OR STATUS.
 - 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.



REVISION HISTORY:

| DATE | REVISION |
|--------|----------------------------------------------------------------------------------------------------|
| 6/5/23 | Revised per HDC Comments: Plant Installation Size, Berm Extension, and Gate Height |
| 1/3/24 | Issued for City Preliminary/Final Plan Review: Revised per City Comments and Adjusted Array Layout |
| | |
| | |
| | |
| | |

- 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 with Revisions Through 1/3/24, 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

Plat 275, Lots 38 and 52
240 Knight Street
Warwick, RI 02886

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

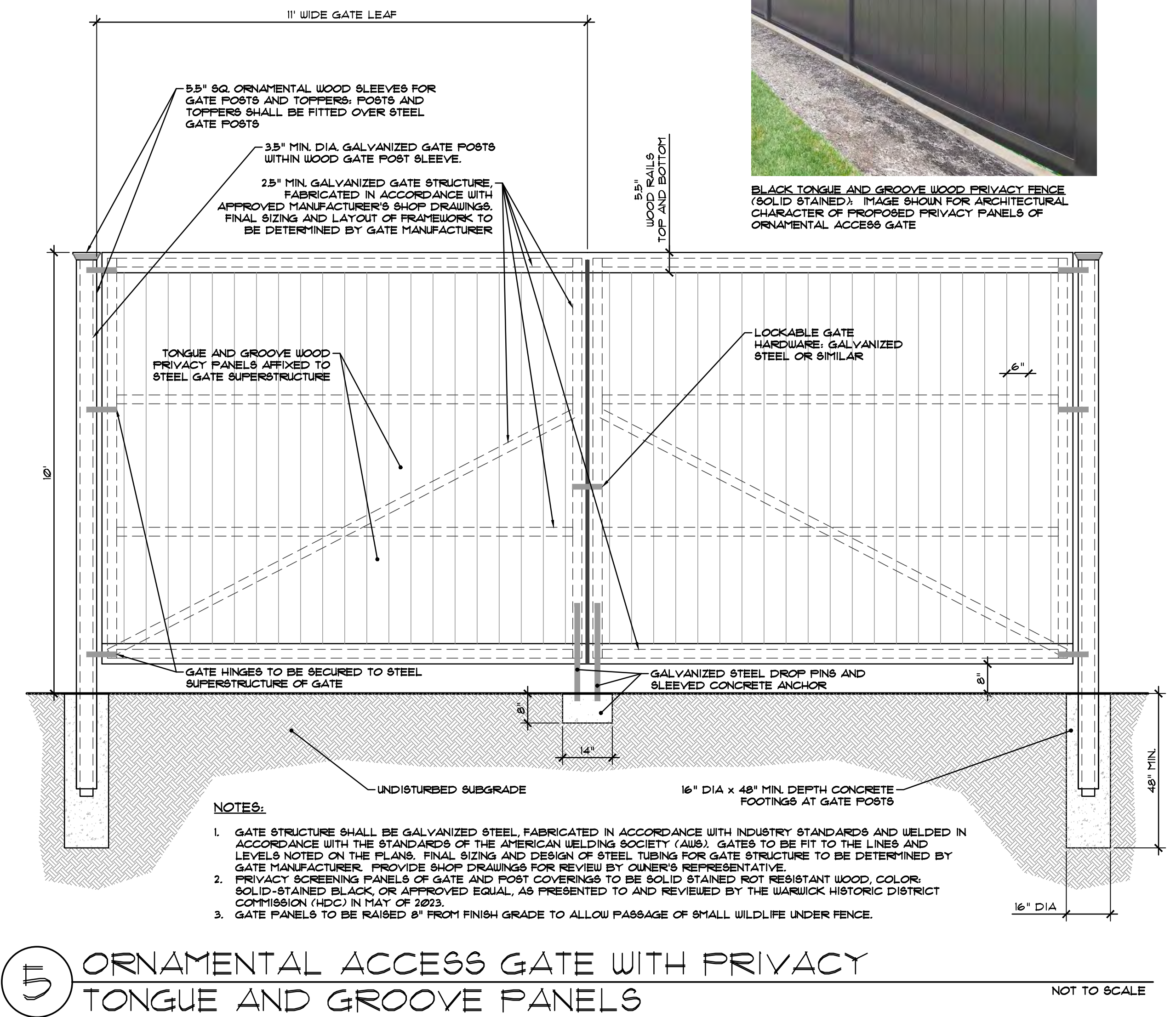
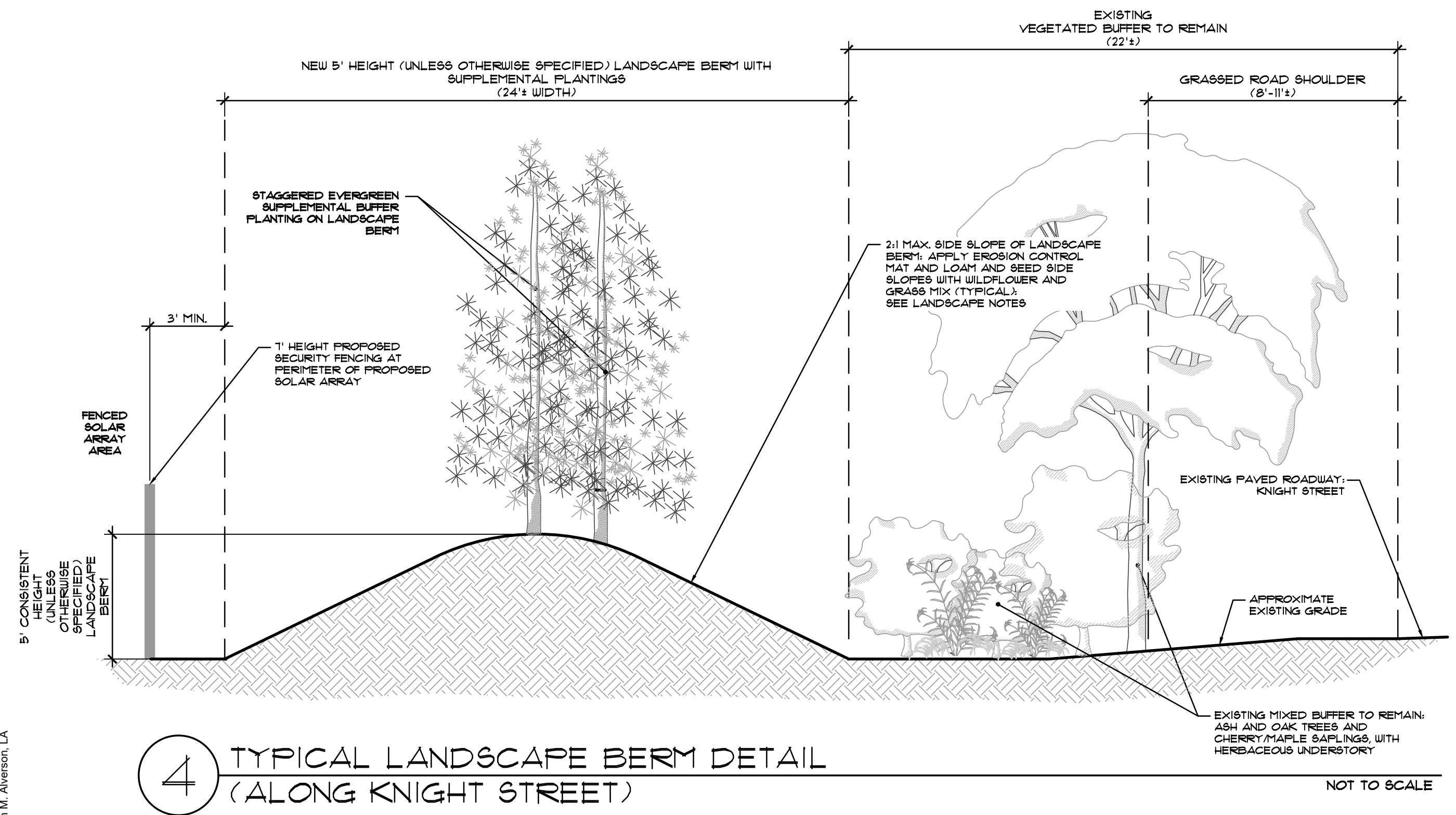
Developed By:
VCP, LLC
VEROGY
150 TRUMBULL ST.,
HARTFORD, CONNECTICUT 06103

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

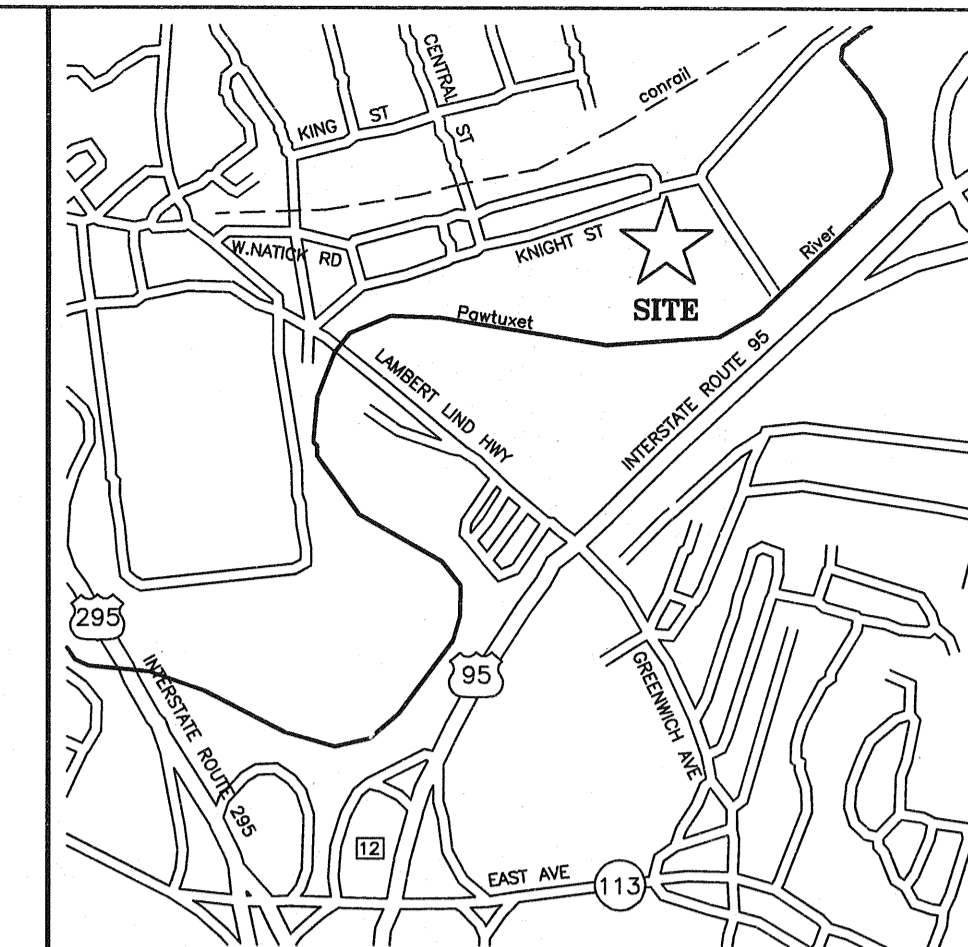


Landscape Notes and Details

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



© Kevin M. Alverson, LA



LOCATION MAP Scale: 1" = 1,200'±

| DISTRICT DIMENSIONAL REGULATIONS | |
|----------------------------------|-----------------|
| District | LI |
| Use | Non-Residential |
| Min. Lot Area | 6,000 Sq. Ft. |
| Min. Frontage | 60 feet |
| Min. Lot Width | 60 feet |
| Min. Front Yard Depth | 25 feet |
| Min. Cor. Side Yard Depth | 25 feet |
| Min. Side Yard Depth | 15 feet ** |
| Min. Rear Yard Depth | 20 feet ** |
| Max. Structure Height | 45 feet |
| Min. Landscaped Open Space | 10% |

** A commercial building or use shall be setback a minimum of 40 feet from an Open Space district parcel of 5,000 square feet or more.
 An industrial building or use shall be setback a minimum of 40 feet from an abutting commercial district and 100 feet from an Open Space district parcel of 5,000 square feet or more.
 A 20 foot wide landscaped buffer shall be provided along any property line that abuts a residence district, PDR overlay district, residential PUD overlay district, or an open space district where such lot contains at least 5,000 square feet including any coastal or freshwater wetlands.
 Parking requirements for wholesale business, storage space and warehouses: 1 per 500 sq.ft. of gross floor area.

- NOTES:
- Reference is made to the following deed:
 A) A Warranty Deed from Towanda Associates, Inc. granted to Knight Street Group, LLC recorded August 16, 2007 in the City of Warwick Land Evidence Book 6649 Page 245.
 - Reference is made to the following plan:
 A) Existing Conditions Plan Figure 2 Site Investigation Report Former Pontiac Mills Property Plat 275 Lots 38 & 52 Warwick, Rhode Island Date 1-07-2008 Scale 1"=125' EA Engineering, Warwick, RI.
 - The planimetric features and topography was compiled from the plan referenced in Note #2A.
 The bearings and north arrow orientation depicted hereon are based upon NAD-83 per plan reference #2A.
 The topographic features depicted hereon are based upon NGVD-29 per plan reference #2A.
 - The utility information depicted hereon was compiled from information provided by the City of Warwick Department of Public Works and the City of Warwick Water Department July, 2008.
 - The gas line location depicted hereon was compiled from information provided by National Grid.
 - The wetlands depicted hereon were field surveyed located July 30, 2008 by Cherenzia & Associates, Ltd.
 - Flood Zone information from FIRN Flood Insurance Rate Map City of Warwick, Rhode Island Kent County Panel 2 of 9 Community-Panel Number 445409 0002 D Map Revised: April 16, 1991.
 - Flood Zone area was revised for locus parcel per: Federal Emergency Management Agency Letter Of Map Revision Floodway Determination Document (Removal) Date: March 20, 2007 Case No.: 07-01-0070A (100-year floodplain at elevation 29)

PLAT 275 LOT 38
 N/F
 KNIGHT STREET GROUP, LLC
 (Book 6649 Page 245)
 Total Area=364,418 S.F.± (8.4 Acres±)
 Upland Area=184,811 S.F.± (4.24 Acres±)

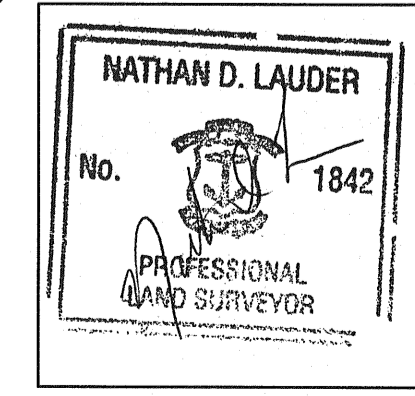
PLAT 275 LOT 52
 N/F
 KNIGHT STREET GROUP, LLC
 (Book 6649 Page 245)
 Total Area=367,743 S.F.± (8.4 Acres±)
 Upland Area=173,560 S.F.± (3.98 Acres±)

- LEGEND
- 30- EXISTING CONTOURS
 - UTILITY POLE
 - FENCE LINE
 - SANITARY SEWER LINE
 - STORM SEWER LINE
 - GAS LINE
 - WETLAND FLAG

This survey and plan conform to the following standards as adopted by the Rhode Island Board of Registration for Professional Surveyors.

Horizontal Classification: Class: I
 Vertical Classification: Topography & Benchmark: Class: Compiled (See Note #3)

By: *Nathan D. Lauder*
 Registered Professional Land Surveyor



STREET INDEX
 KNIGHT STREET

| PLAN REVISIONS | | | |
|----------------|-------------|--------|--------|
| DATE | DESCRIPTION | DWN BY | CHK BY |
| | | | |
| | | | |
| | | | |
| | | | |

Civil Engineers
 Land Surveyors
 Land Use Planners
 Environmental Consultants
CHERENZIA & ASSOCIATES, LTD.
 Raymond F. Cherenzia, P.E., L.S.

Office Location
 99 Mechanic Street
 Pawtucket, RI 02860
 Tel (800) 829-8500
 Fax (860) 699-8000

Mailing Address
 P.O. Box 619
 Westerly, RI 02891
 Web Site: www.Cherenzia.com

BOUNDARY & TOPOGRAPHIC SURVEY
 PREPARED FOR
KNIGHT STREET GROUP, LLC
 PLAT 275 LOTS 38 & 52
 KNIGHT STREET
 WARWICK, RHODE ISLAND
 SCALE: 1"=60' DRAWN BY: TWS
 MARCH 27, 2009 CHECK BY: NDL
 SHEET: 1 OF 1 JOB NO.: 208064