

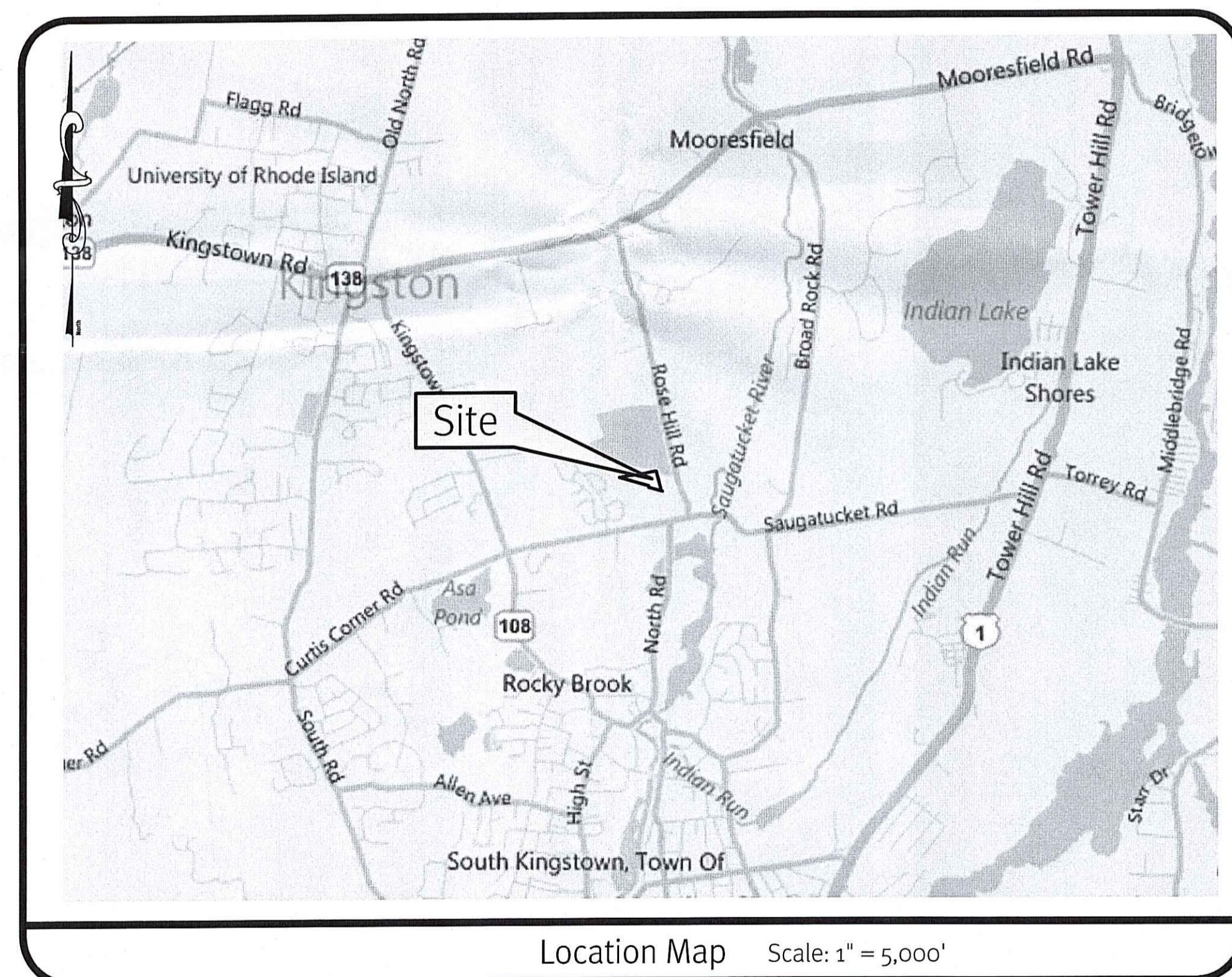
# RIDEM/Town Submission

# #102 Rose Hill Road

Rose Hill Road  
South Kingstown, Rhode Island

Assessor's Plat 33 Lot 88

Environmental Management  
FEB 23 2012  
Office of Water Resources



Location Map Scale: 1" = 5,000'

## Sheet Index

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6. Detail Sheet
7. L-1 Landscape Plan
8. L-2 Planting Details

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

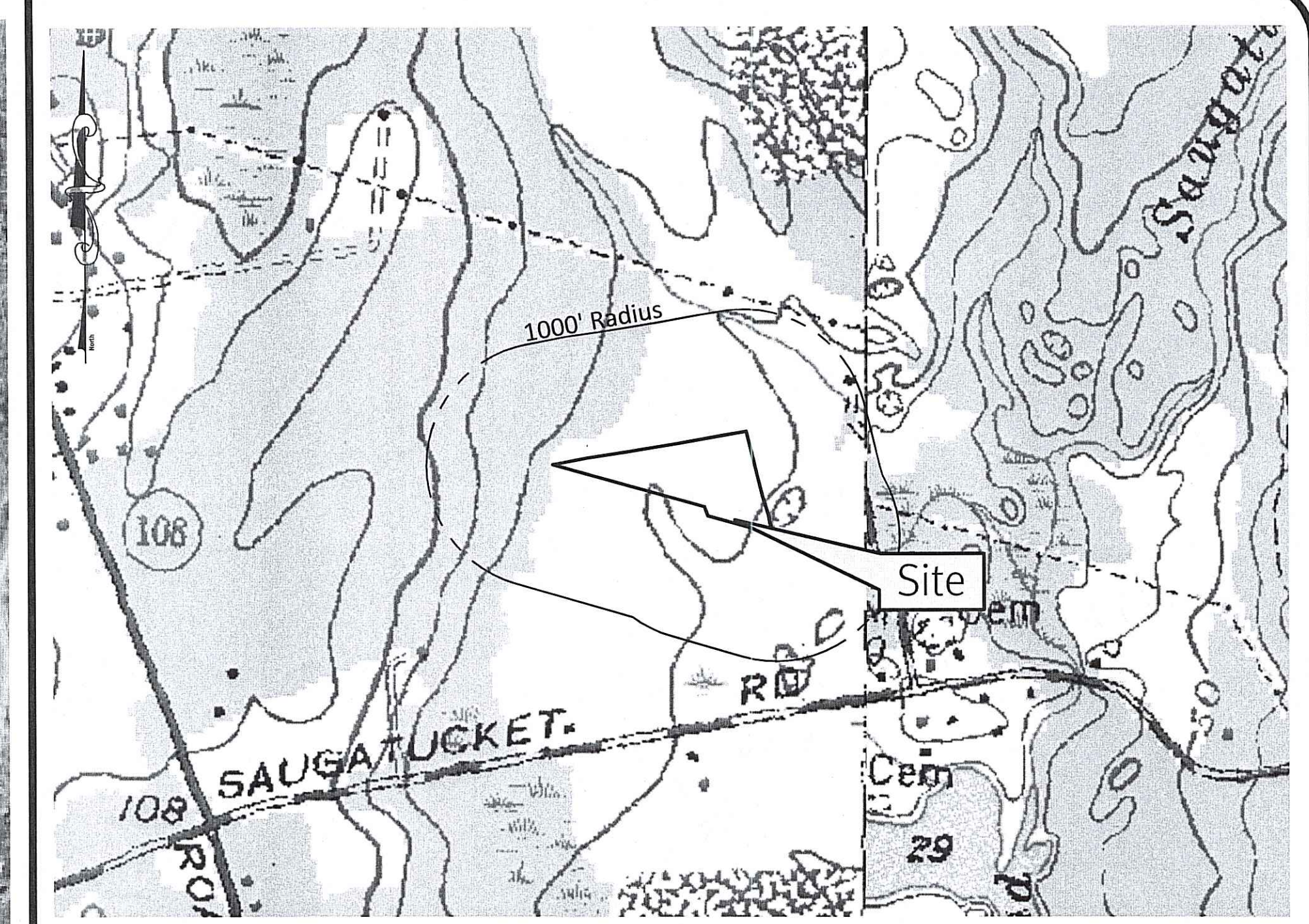
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED MAR 27 2012 FILE # 11-0189  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Margaret D. Wozniak*

THE CONTRACTOR IS RESPONSIBLE FOR ALL OF THE MEANS, METHODS, SAFETY PRECAUTIONS AND REQUIREMENTS, AND OSHA CONFORMANCE IN THE IMPLEMENTATION OF THIS PLAN AND DESIGN.

THIS REGULATORY SUBMISSION SET SHALL NOT BE USED FOR CONSTRUCTION PURPOSES UNLESS STAMPED 'ISSUED FOR CONSTRUCTION' AND SIGNED BY A DIPRETE ENGINEERING REPRESENTATIVE.

		<p><b>Cover Sheet</b></p> <p><b>#102 Rosehill Road</b></p> <p>Assessor's Plat 33, Lot 88 South Kingstown, Rhode Island</p> <p><b>DiPrete Engineering</b></p> <p>Two Stafford Court, Cranston, RI 02920 tel 401-943-1000 fax 401-464-6006 www.DiPrete-Eng.com</p> <p>Owner / Applicant: <b>AKG, Inc.</b> P.O. Box 7 Peacedale, RI 02879</p>																				
<table border="1"> <thead> <tr> <th>No.</th> <th>Date</th> <th>Description</th> <th>By</th> </tr> </thead> <tbody> <tr> <td>3</td> <td>2-17-12</td> <td>RIDEM Resubmission</td> <td>D.A.K.</td> </tr> <tr> <td>2</td> <td>10-9-11</td> <td>Town Submission</td> <td>E.L.T.</td> </tr> <tr> <td>1</td> <td>9-28-11</td> <td>RIDEM/Town Submission</td> <td>B.A.H.</td> </tr> <tr> <td>0</td> <td>6-17-11</td> <td>Pre-Application Submission</td> <td>J.A.D.</td> </tr> </tbody> </table>	No.	Date	Description	By	3	2-17-12	RIDEM Resubmission	D.A.K.	2	10-9-11	Town Submission	E.L.T.	1	9-28-11	RIDEM/Town Submission	B.A.H.	0	6-17-11	Pre-Application Submission	J.A.D.	<p>SHEET <b>1</b> OF 8</p>	
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USGS Map Scale: 1"=1000'

Environmental Management  
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 Office of Water Resources

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*Signature*

Scale: 1"=400'  
 0 200' 400' 800'

Photo obtained from the RI-GIS 2008 Digital Orthophotography Southern Urban Areas of Rhode Island.

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KEVIN C. MORIN  
 No. 7051  
 REGISTERED PROFESSIONAL ENGINEER  
 CIVIL

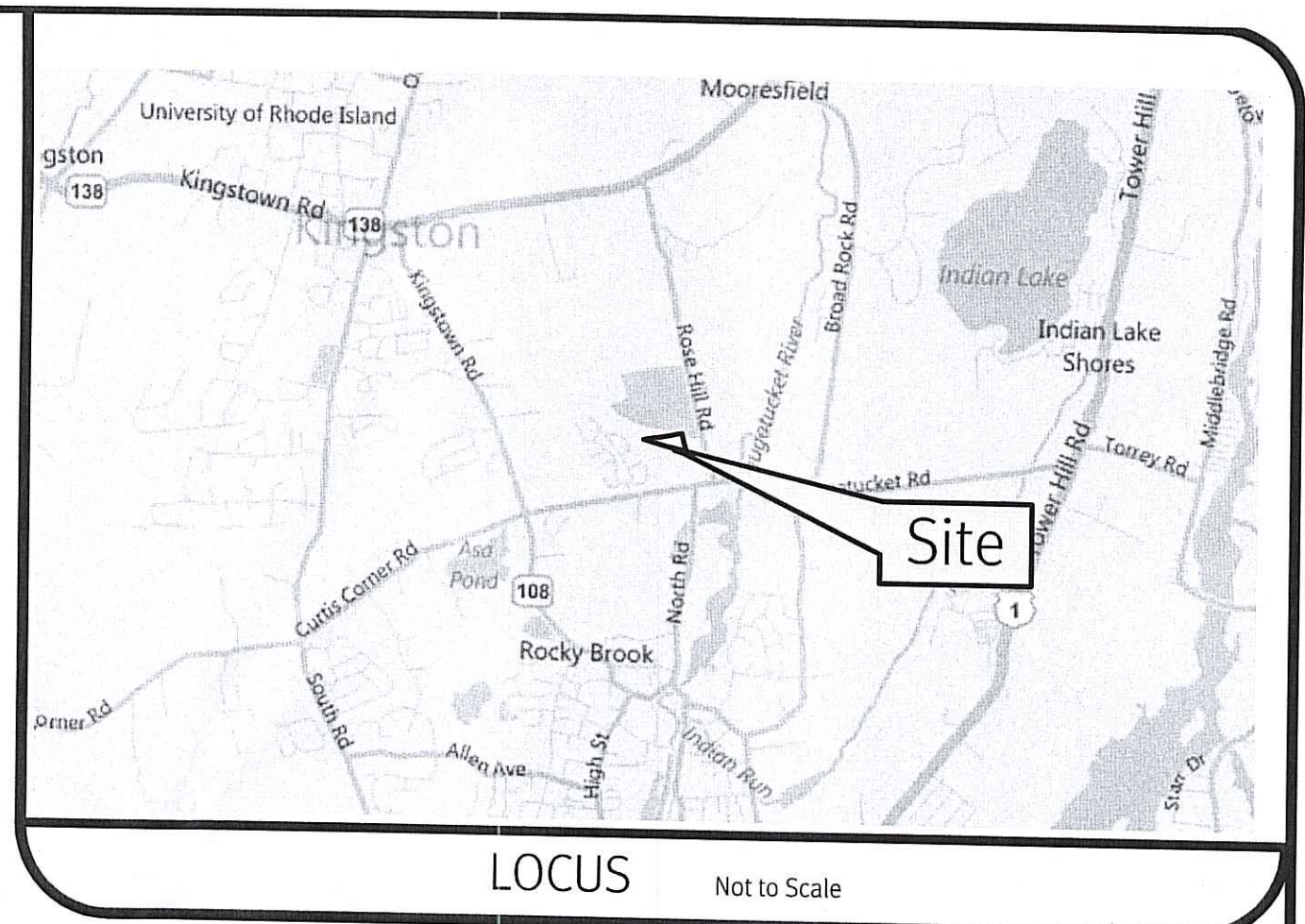
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 Assessor's Plat 33, Lot 88  
 South Kingstown, Rhode Island

**DiPrete Engineering**

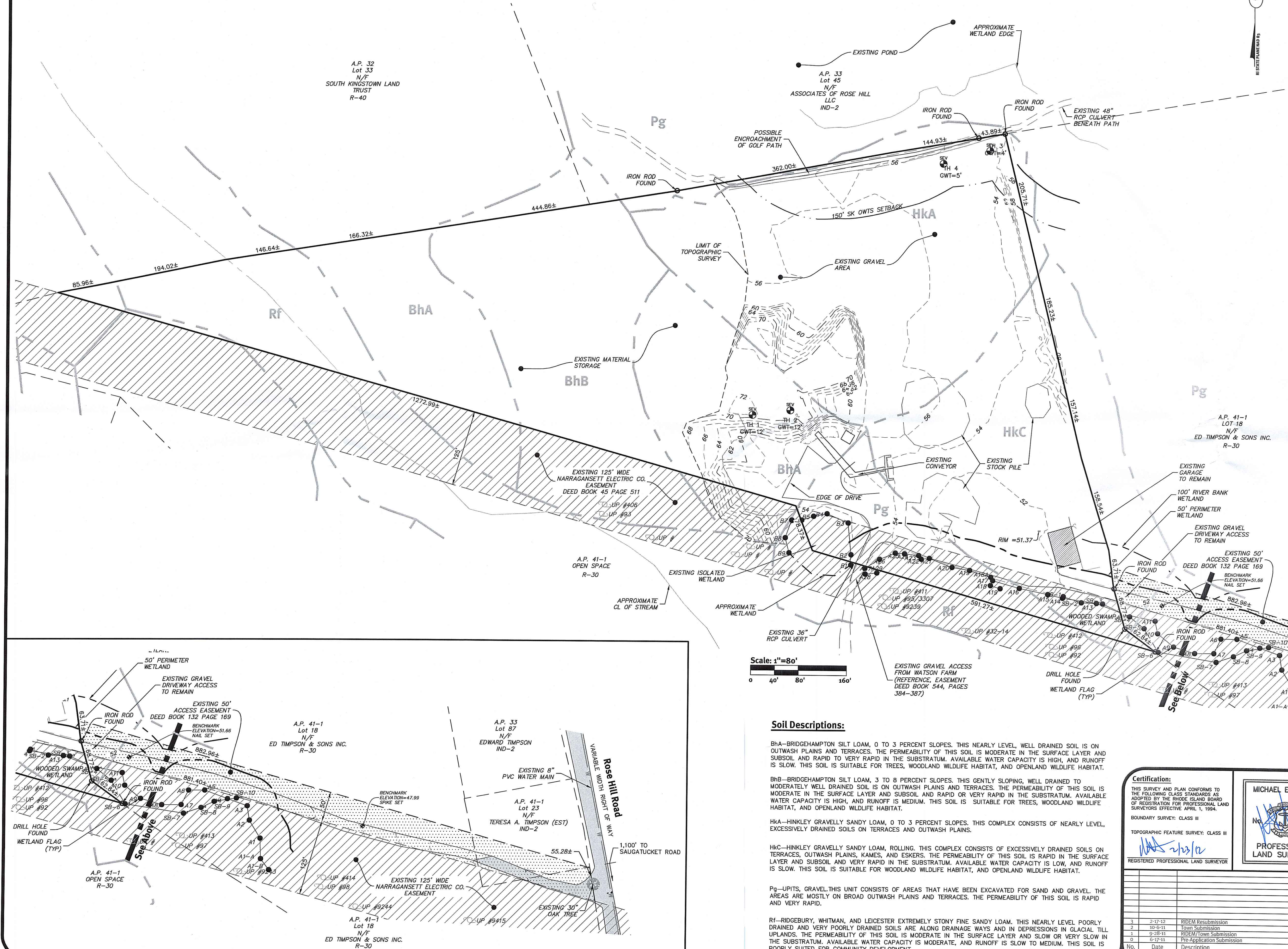
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No.	Date	Description	By:



LOCUS Not to Scale



**General Notes:**

- THE SITE IS LOCATED ON THE TOWN OF SOUTH KINGSTOWN ASSESSOR'S PLAT 33 LOT 88. THE SITE IS 15.2± ACRES AND IS ZONED IND-2.
- THE OWNER AND APPLICANT OF THE SITE IS: **AKG, INC. Resources**, P.O. BOX-7, PEACEDALE, RI 02879
- THIS SITE IS LOCATED WITHIN A ZONE X FEMA FLOOD ZONE. REFERENCE FEMA FLOOD INSURANCE RATE MAP 44090C0201H, MAP REVISED OCTOBER 19, 2010. ZONE X - AREAS DETERMINED TO BE OUTSIDE THE 0.2% CHANCE FLOODPLAIN
- ALL EXISTING UTILITIES SHOWN ARE FROM VISIBLE INFORMATION, DRAWINGS FROM OTHERS, OR INFORMATION PROVIDED TO DIPRETE ENGINEERING AND ARE SUBJECT TO CHANGE. PRIOR TO CONSTRUCTION, THE PROPER UTILITY ENGINEERING DEPARTMENTS SHALL BE CONTACTED AND THE ACTUAL LOCATION OF SUBSURFACE STRUCTURES SHALL BE DETERMINED IN THE FIELD. CALL THE DIG SAFE CENTER TOLL FREE AT 1-888-7233, 72 HOURS PRIOR TO EXCAVATION. ANY DAMAGE TO UTILITIES WHICH ARE SHOWN ON THE PLANS OR DETAILED BY DIG SAFE SHALL BE THE SITE CONTRACTORS RESPONSIBILITY.
- THE BOUNDARY LINE AS SHOWN ON THIS PLAN DEPICTS A CLASS II SURVEY AS PERFORMED BY ENVIRONMENTAL PLANNING & SURVEYING, INC., 52 DUGWAY BRIDGE ROAD, WEST KINGSTOWN, RI 02892. PLANS DATED OCTOBER 22, 2001. THE PLAN ITSELF CONFORMS ONLY TO A CLASS III STANDARD AS ADOPTED BY RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS. THIS PLAN IS NOT TO BE CONSTRUED AS A CLASS I BOUNDARY PLAN AND IS NOT SUITABLE FOR RECORDING AS A CLASS I STANDARD.
- THE CONTOUR INTERVAL IS 2 FEET & TOPOGRAPHY IS TAKEN FROM LIMITED TOPOGRAPHIC SURVEY BY DIPRETE ENGINEERING.
- THE SUBJECT PARCEL IS NOT LOCATED IN A NATURAL HERITAGE AREA, ORMC SPECIAL AREA MANAGEMENT PLAN, SALT POND SPECIAL AREA MANAGEMENT PLAN, OR A GROUNDWATER RECHARGE AREA.
- THE WETLAND FLAG LOCATIONS SHOWN WERE FLAGGED AND SURVEYED BY DIPRETE ENGINEERING.
- THE SUBJECT PARCEL IS NOT LOCATED IN A NATURAL HERITAGE AREA, ORMC SPECIAL AREA MANAGEMENT PLAN, SALT POND SPECIAL AREA MANAGEMENT PLAN, OR A GROUNDWATER RECHARGE AREA.

**Plan References:**

- "SURVEY PLAN PREPARED FOR: A.K.G., INC. FOR PROPERTY LOCATED OFF: ROSE HILL ROAD IN THE TOWN OF SOUTH KINGSTOWN MAP 32, LOT 88" PREPARED BY ENVIRONMENTAL PLANNING & SURVEYING, INC. SCALE 1" = 100 FT DATED 10-22-01.
- "PLAN OF RIGHT OF WAY LOCATED IN THE TOWN OF SOUTH KINGSTOWN WASHINGTON COUNTY, STATE OF RHODE ISLAND" PREPARED FOR CLARENCE & LUCILLE GARDNER PEACE DALE, RHODE ISLAND PREPARED BY VILLAGE GREEN ASSOCIATES, INC SCALE 1" = 50' DATED 10-17-78 SHEET 1 OF 1.

**Legend:**

- Utility Pole (UP) - UTILITY POLE
- WF P-13 - WETLAND FLAG
- Property Line - PROPERTY LINE
- Wetland Line - WETLAND LINE
- 50' Perimeter Wetland - 50' PERIMETER WETLAND
- 100' Riverbank Wetland - 100' RIVERBANK WETLAND
- 150' OWTS Setback - 150' OWTS SETBACK
- N/F - NOW OR FORMERLY
- AP - ASSESSOR'S PLAT
- 2' Contour - 2' CONTOUR
- 10' Contour - 10' CONTOUR
- Treeline - TREELINE
- Soil Boundary - SOIL BOUNDARY

**Soil Descriptions:**

**BhA**—BRIDGEHAMPTON SILT LOAM, 0 TO 3 PERCENT SLOPES. THIS NEARLY LEVEL, WELL DRAINED SOIL IS ON OUTWASH PLAINS AND TERRACES. THE PERMEABILITY OF THIS SOIL IS MODERATE IN THE SURFACE LAYER AND SUBSOIL AND RAPID TO VERY RAPID IN THE SUBSTRATUM. AVAILABLE WATER CAPACITY IS HIGH, AND RUNOFF IS SLOW. THIS SOIL IS SUITABLE FOR TREES, WOODLAND WILDLIFE HABITAT, AND OPENLAND WILDLIFE HABITAT.

**BhB**—BRIDGEHAMPTON SILT LOAM, 3 TO 8 PERCENT SLOPES. THIS GENTLY SLOPING, WELL DRAINED TO MODERATELY WELL DRAINED SOIL IS ON OUTWASH PLAINS AND TERRACES. THE PERMEABILITY OF THIS SOIL IS MODERATE IN THE SURFACE LAYER AND SUBSOIL AND RAPID OR VERY RAPID IN THE SUBSTRATUM. AVAILABLE WATER CAPACITY IS HIGH, AND RUNOFF IS MEDIUM. THIS SOIL IS SUITABLE FOR TREES, WOODLAND WILDLIFE HABITAT, AND OPENLAND WILDLIFE HABITAT.

**HkA**—HINKLEY GRAVELLY SANDY LOAM, 0 TO 3 PERCENT SLOPES. THIS COMPLEX CONSISTS OF NEARLY LEVEL, EXCESSIVELY DRAINED SOILS ON TERRACES AND OUTWASH PLAINS.

**HkC**—HINKLEY GRAVELLY SANDY LOAM, ROLLING. THIS COMPLEX CONSISTS OF EXCESSIVELY DRAINED SOILS ON TERRACES, OUTWASH PLAINS, KAMES, AND ESKERS. THE PERMEABILITY OF THIS SOIL IS RAPID IN THE SURFACE LAYER AND SUBSOIL AND VERY RAPID IN THE SUBSTRATUM. AVAILABLE WATER CAPACITY IS LOW, AND RUNOFF IS SLOW. THIS SOIL IS SUITABLE FOR WOODLAND WILDLIFE HABITAT, AND OPENLAND WILDLIFE HABITAT.

**Pg**—UPITS, GRAVEL. THIS UNIT CONSISTS OF AREAS THAT HAVE BEEN EXCAVATED FOR SAND AND GRAVEL. THE AREAS ARE MOSTLY ON BROAD OUTWASH PLAINS AND TERRACES. THE PERMEABILITY OF THIS SOIL IS RAPID AND VERY RAPID.

**Rf**—RIDGEBURY, WHITMAN, AND LEICESTER EXTREMELY STONY FINE SANDY LOAM. THIS NEARLY LEVEL POORLY DRAINED AND VERY POORLY DRAINED SOILS ARE ALONG DRAINAGE WAYS AND IN DEPRESSIONS IN GLACIAL TILL UPLANDS. THE PERMEABILITY OF THIS SOIL IS MODERATE IN THE SURFACE LAYER AND SLOW OR VERY SLOW IN THE SUBSTRATUM. AVAILABLE WATER CAPACITY IS MODERATE, AND RUNOFF IS SLOW TO MEDIUM. THIS SOIL IS POORLY SUITED FOR COMMUNITY DEVELOPMENT.

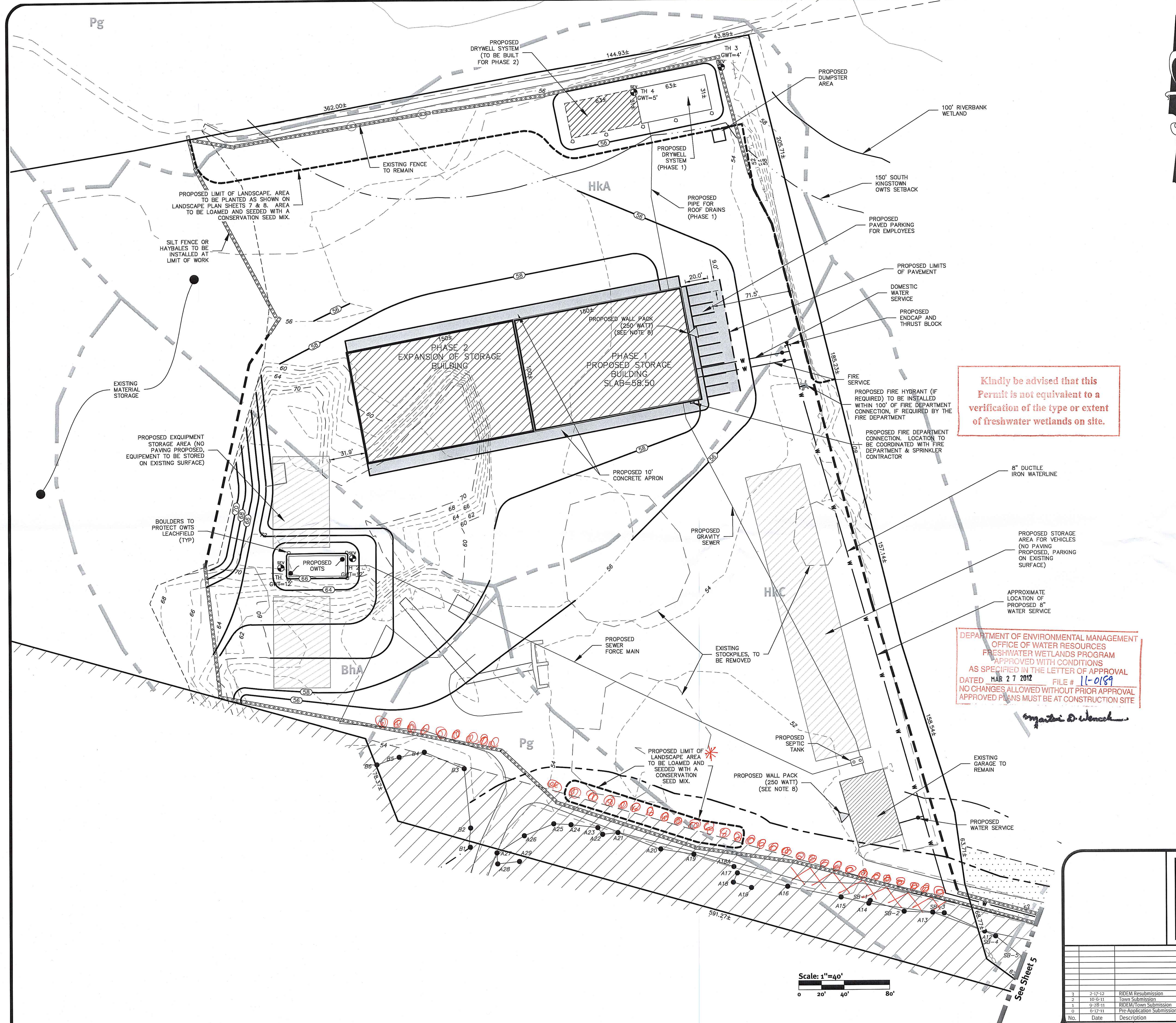
**Certification:**  
THIS SURVEY AND PLAN CONFORMS TO THE FOLLOWING CLASS STANDARDS AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS EFFECTIVE APRIL 1, 1994.  
BOUNDARY SURVEY: CLASS III  
TOPOGRAPHIC FEATURE SURVEY: CLASS III  
REGISTERED PROFESSIONAL LAND SURVEYOR



**Existing Conditions Plan**  
**#102 Rosehill Road**  
Assessor's Plat 33, Lot 88  
South Kingstown, Rhode Island

**DiPrete Engineering**  
Two Stafford Court Cranston, RI 02920  
tel 401-943-1000 fax 401-464-6006 www.DiPrete-Eng.com  
Owner / Applicant:  
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P.O. Box 7  
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Engineers • Planners • Surveyors



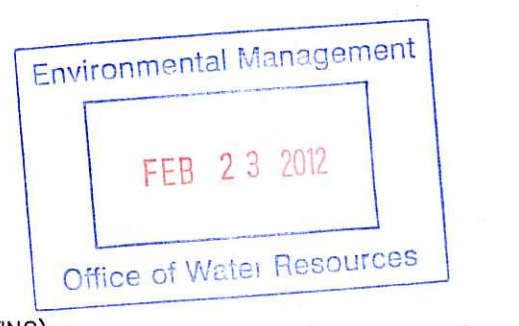
- General Notes:**
- THE SITE IS LOCATED ON THE TOWN OF SOUTH KINGSTOWN ASSESSOR'S PLAT 33 LOT 88. THE SITE IS 15.2± ACRES AND IS ZONED IND-2.
  - THE OWNER OF AP 33 LOT 88 IS: **AKG, INC.**, P.O. BOX 7, PEACEDALE, RI 02879
  - THIS SITE IS LOCATED WITHIN A ZONE X FEMA FLOOD ZONE. REFERENCE FEMA FLOOD INSURANCE RATE MAP 4409C0201H, MAP REVISED OCTOBER 19, 2010. ZONE X - AREAS DETERMINED TO BE OUTSIDE THE 0.2% CHANGE FLOODPLAIN
  - THE SITE IS PROPOSED WITH ONSITE WASTEWATER TREATMENT SYSTEM AND PUBLIC WATER.
  - THE DRAINAGE SYSTEM WILL BE DESIGNED TO MEET THE TOWN OF SOUTH KINGSTOWN SUBDIVISION AND LAND DEVELOPMENT REGULATIONS. THE STORMWATER MANAGEMENT SYSTEM WILL MEET RIDEM BEST MANAGEMENT PRACTICES.
  - THE SITE IS AN EXISTING INDUSTRIAL USE FOR MATERIAL HANDLING, STORAGE AND PROCESSING. THIS PROPOSAL IS FOR A NEW INDUSTRIAL STORAGE BUILDING IN ADDITION TO THE EXISTING USE THAT IS PROPOSED TO CONTINUE.
  - OVERHEAD UTILITIES ARE PROPOSED FOR SERVICE TO THE NEW INDUSTRIAL BUILDING. THE LOCATION OF THE SERVICE IS EXPECTED ALONG THE EASTERN PROPERTY LINE SUBJECT TO FINAL DESIGN BY THE UTILITY PROVIDERS.
  - WALL PACK LIGHTING IS PROPOSED AS SHOWN ON THE PLAN. LIGHTING IS TO BE 250W AND DIRECTED DOWNWARD IN THE IMMEDIATE AREA OF THE BUILDING. NO POLE MOUNTED LIGHTS ARE PROPOSED.

**Dimensional Regulations:**

ZONING:	INDUSTRIAL -2 (IND-52)
MINIMUM LOT AREA:	60,000 SF
MINIMUM FRONTAGE/LOT WIDTH:	150'
MAXIMUM BUILDING COVERAGE:	50%
MAXIMUM HEIGHT:	40'
MINIMUM FRONT YARD:	40'
MINIMUM CORNER YARD:	40'
MINIMUM SIDE YARD:	40'
MINIMUM REAR YARD:	30'

**Development Data:**

TOTAL SITE AREA:	15.2± ACRES
TOTAL EXISTING BUILDINGS:	1 (2,650± SF EXISTING)
TOTAL PROPOSED BUILDING:	1 (15,000 SF PHASE 1 / 15,000 SF PHASE 2)



**Legend:**

UP	UTILITY POLE	PR	OWTS
WF P-13	WETLAND FLAG	N/F	NOW OR FORMERLY
---	PROPERTY LINE	AP	ASSESSOR'S PLAT
---	WETLAND LINE	---	2' CONTOUR
---	50' PERIMETER WETLAND	---	10' CONTOUR
---	100' RIVERBANK WETLAND	---	TREELINE
---	150' OWTS SETBACK	---	SOIL BOUNDARY

- UIC Notes:**
- PROPOSED UNDERGROUND DRAINAGE SYSTEM MEETS ALL THE FOLLOWING UIC MINIMUM SETBACK REQUIREMENTS:
- 400 FEET FROM ALL PUBLIC WELLS
  - 100 FEET FROM ALL PRIVATE WELLS
  - 200 FEET FROM ALL SURFACE WATER SUPPLIES AND TRIBUTARIES
  - 150 FEET FROM ALL COASTAL POND
  - 50 FEET FROM ALL NON-CRITICAL SURFACE WATERS
  - 25 FEET FROM ALL EXISTING OR PROPOSED SUBSURFACE DISPOSAL SYSTEMS
  - 10 FEET FROM ALL BUILDING FOUNDATIONS AND SLABS

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- PER RIDEM:**
- Plant a row of Northern White Cedar (*Thuja occidentalis*) saplings at least four (4) feet tall after planting and installed eight (8) feet on center. Amend the soils as necessary in the planting zone to provide an appropriate planting medium.
  - Seed the entire planting zone with conservation grass seed mixture after the saplings have been installed.
  - Allow the unauthorized cut and cleared freshwater wetlands to revert to a natural, wild state.

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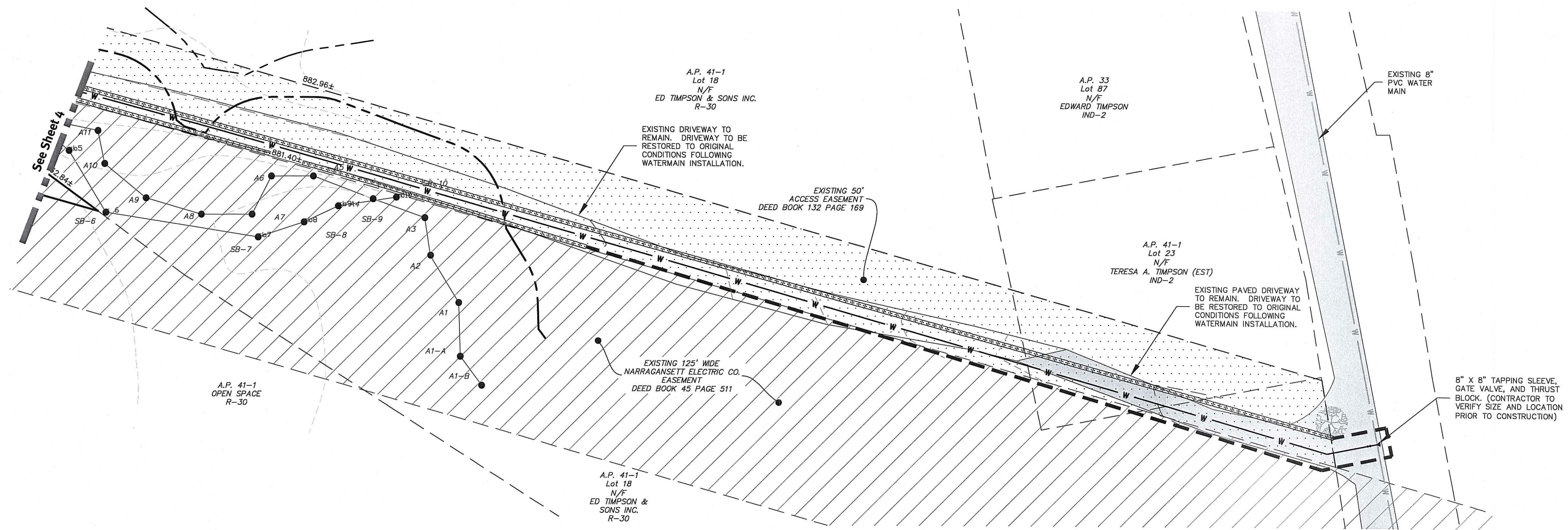
**Site Plan**  
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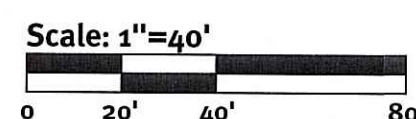
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**Owner / Applicant:**  
**AKG, Inc.**  
P.O. Box 7  
Peacedale, RI 02879

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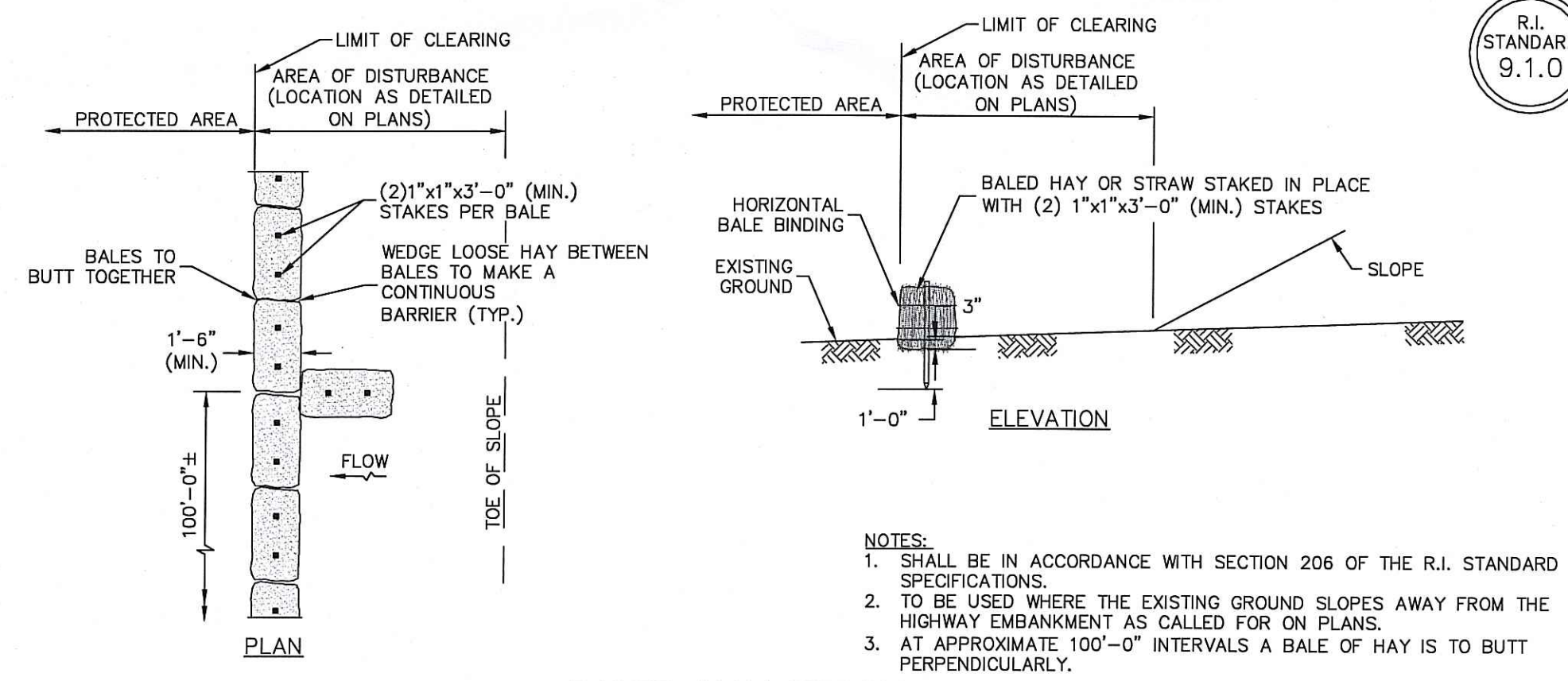


**ENTRANCE PLAN**  
NOT TO SCALE



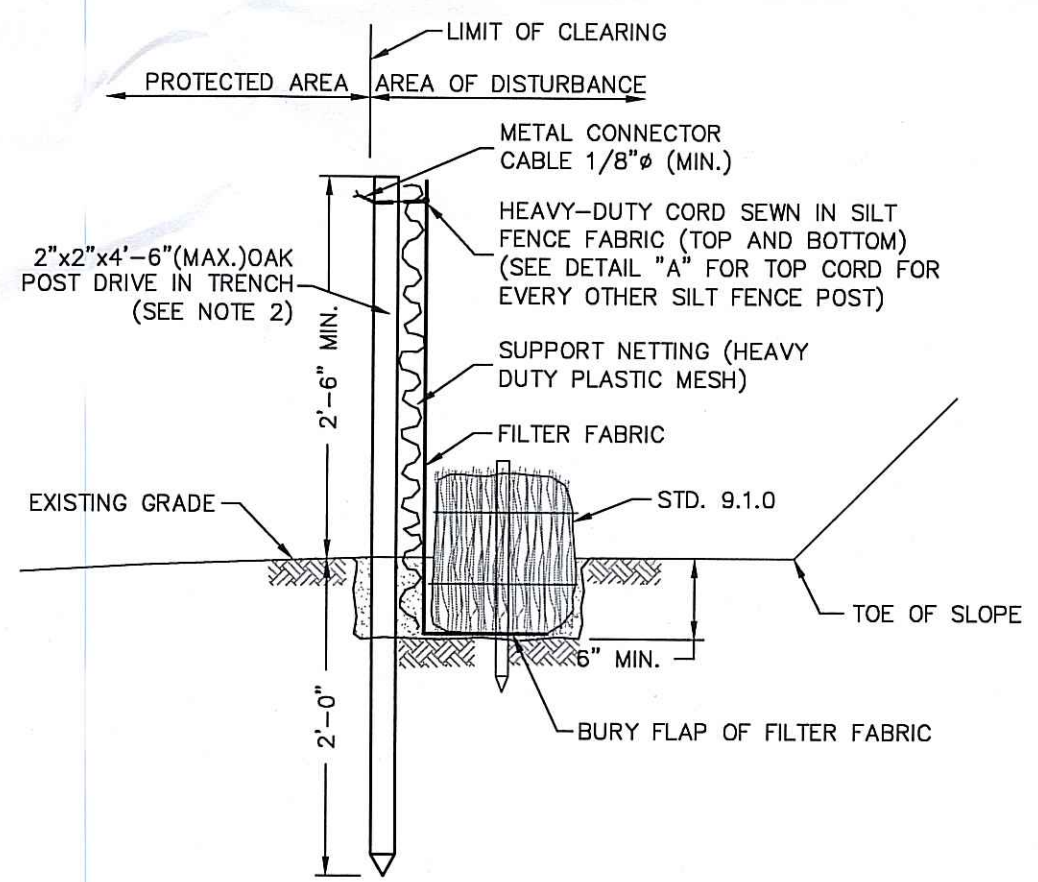
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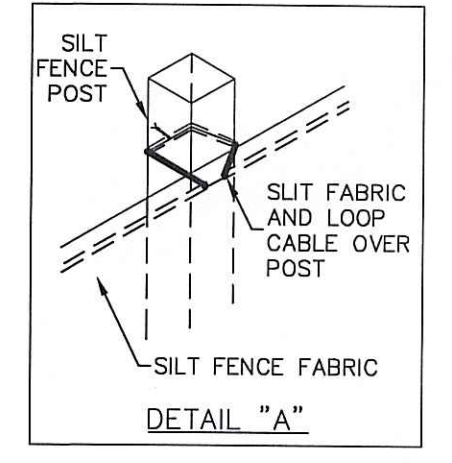
**BALED HAY EROSION CHECK**  
NOT TO SCALE

R.I. STANDARD 9.1.0



**BALED HAY EROSION CHECK AND SILT FENCE COMBINED**  
NOT TO SCALE

R.I. STANDARD 9.3.0

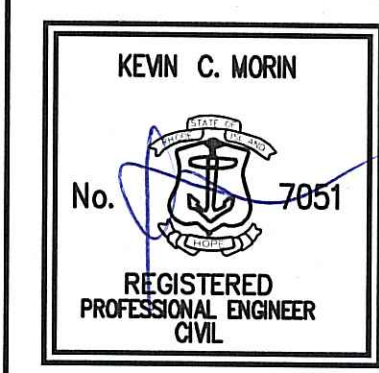


- NOTES:**
- SHALL BE IN ACCORDANCE WITH SECTION 206 OF THE R.I. STANDARD SPECIFICATIONS.
  - STD. 9.1.0 IS INSTALLED "TIGHT" AGAINST SILT FENCE. THOROUGHLY COMPACT EXCAVATED SOILS BACK INTO TRENCH AFTER INSTALLATION OF EROSION CONTROL DEVICE. SILT FENCE FABRIC SHALL NOT BE SUT. STD. 9.1.0 POST SHALL BE DRIVEN THROUGH SILT FENCE FABRIC. 2"x2"x4"-6" (MAX.) OAK POST FOR SILT FENCE SHALL BE LOCATED 8'-0" (MAX.) O.C. IN WETLAND AREAS AND 4'-0" (MAX.) O.C. IN WETLAND RAVINE, GULLY OR DROP-OFF AREAS AS SHOWN ON PLANS.
  - 1"x1"x4"-6" (MIN.) POSTS PERMITTED FOR PRE-FABRICATED SILT FENCE.
  - SILT FENCE AND BALED HAY SHALL BE INSTALLED BEFORE ANY GRUBBING OR EARTH EXCAVATION TAKES PLACE.
  - TO BE LOCATED AT ALL BASIN OUTFALLS.

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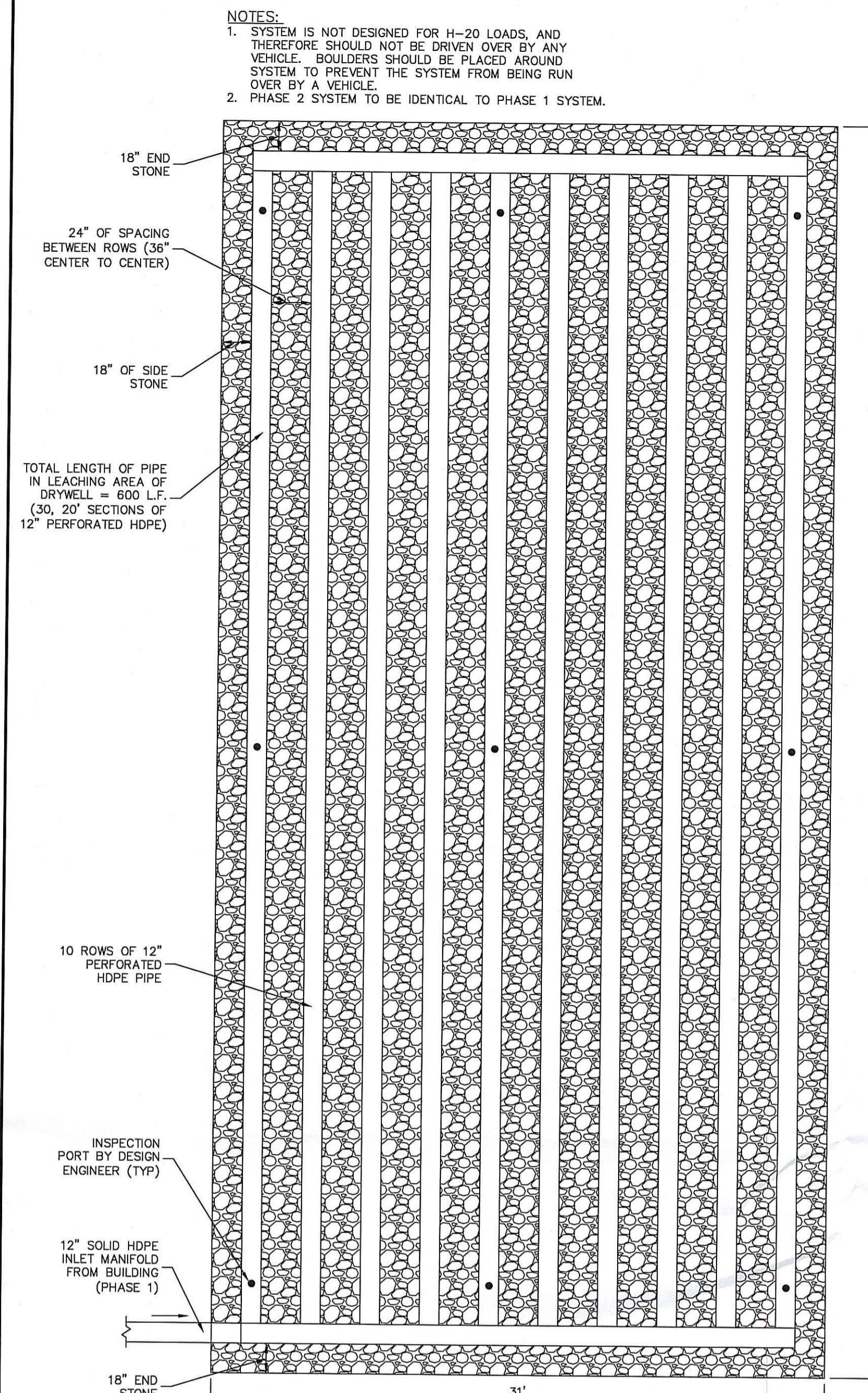
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**LEAKAGE AND PRESSURE TESTING FOR WATERMAINS**

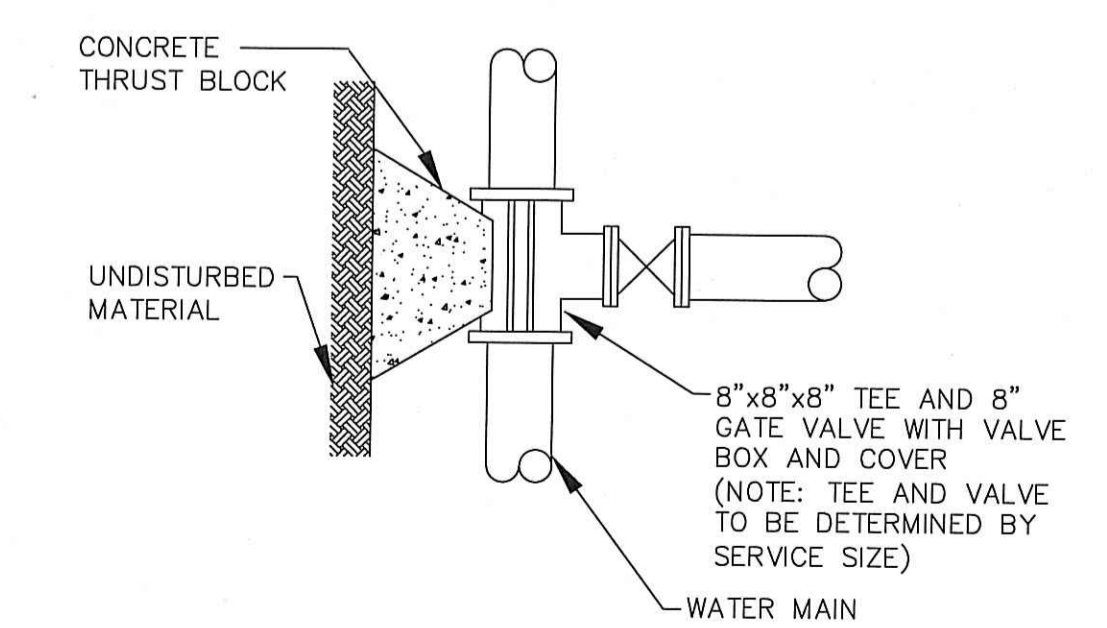
- 1. GENERAL**  
 HYDROSTATIC AND LEAKAGE TESTS SHALL BE PERFORMED ON ALL COMPLETED SECTIONS OF NEWLY INSTALLED WATERMAIN PIPELINE IN ACCORDANCE WITH AWWA C500, UNITED WATER, THE TOWN OF SOUTH KINGSTOWN, AND AS SPECIFIED BELOW.  
 THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL LABOR, TOOLS AND EQUIPMENT NECESSARY FOR TESTING.
- 2. TESTING PROCEDURES**  
 ALL AIR SHALL BE EXPELLED AT THE HIGH POINTS AND THE PIPELINE SLOWLY FILLED WITH POTABLE WATER.  
 THE INTERNAL PRESSURE SHALL BE BUILT UP TO 150 PSI AND MAINTAINED FOR A PERIOD OF NOT LESS THAN ONE (1) HOUR.  
 ALL LEAKS IN THE PIPELINE SHALL BE STOPPED; CRACKED OR DEFECTIVE PIPE, FITTINGS OR ACCESSORIES SHALL BE REMOVED AND REPLACED WITH NEW BY THE CONTRACTOR.  
 THE PIPELINE SHALL BE RETESTED AS MAY BE REQUIRED AND NECESSARY UNTIL THE LEAKAGE FALLS WITHIN THE ALLOWABLE DETERMINED FOR THE PIPE NETWORK, AT WHICH TIME THE PIPELINE MAY BE CONSIDERED READY FOR:  
 a. WATERMAINS - DISINFECTION STEP

**WATER DETAILS**

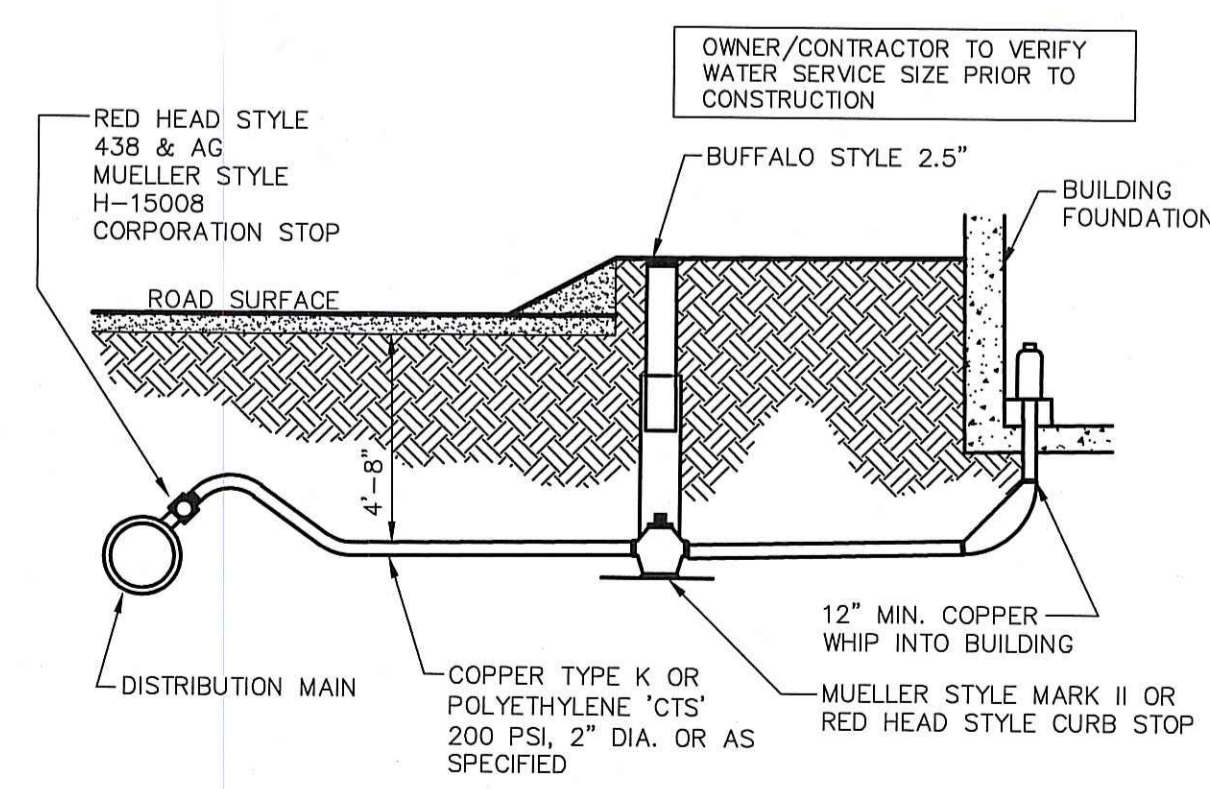
- ALL WORK AND MATERIAL OF WATER LINE SHALL BE IN ACCORDANCE WITH RULES AND REGULATIONS SET FORTH BY UNITED WATER RHODE ISLAND. INSTALLATION PROCEDURES AND MATERIALS TO CONFORM TO UNITED WATER R.I., AWWA SPECIFICATIONS AND ART. III OF THE SOUTH KINGSTOWN TOWN ORDINANCES. A PRECONSTRUCTION MEETING SHALL BE HELD PRIOR TO ORDER OF MATERIALS AND WATER MAIN INSTALLATION.
- WATER MAIN INSTALLATION SHALL BE INSPECTED BY UNITED WATER R.I. PRIOR TO BACKFILLING THE TRENCH.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING UNITED WATER R.I. FIVE (5) DAYS PRIOR TO START OF CONSTRUCTION.
- CHLORINATION OF SYSTEM AND SAMPLING SHALL CONFORM TO AWWA REQUIREMENTS FOR SERVICE AND MAIN INSTALLATIONS.
- THE CONTRACTOR SHALL NOTIFY THE DIRECTOR OF WATER SUPPLY AT LEAST TWO WORKING DAYS IN ADVANCE FOR FINAL INSPECTION.
- WHENEVER, IN THESE SPECIFICATIONS, REFERENCE IS MADE TO THE REQUIREMENTS OF AWWA, ANSI, ASTM OR ANY OTHER STANDARD SPECIFICATION, THE REFERENCE IS MADE TO THE LATEST REVISIONS OR MODIFICATIONS OF SUCH REQUIREMENTS AND SPECIFICATIONS.
- ALL PIPE, FITTINGS, AND APPURTENANCES SHALL BE INSTALLED IN ACCORDANCE WITH AWWA AND ANSI STANDARDS AND THE MANUFACTURER'S SUGGESTED RECOMMENDATIONS FOR INSTALLATIONS.
- PIPELINES SHALL BE CONSTRUCTED IN DRY TRENCHES AND LAID TO THE LINE GRADE. WHENEVER PIPE IS TO BE INSTALLED IN SATURATED SOIL CONDITIONS A BEDDING OF PROCESSED GRANULAR FILTER MATERIAL SHALL BE PROVIDED.
- ALL BENDS, CROSSES, TEES, END CAPS AND PLUGS, VALVES AND ANY OTHER APPURTENANCES SHALL BE RESTRAINED WITH THRUST BLOCKS, STRAPPING OR ANCHORS.
- JOINING OF MECHANICAL AND PUSH ON TYPE JOINTS SHALL BE PERFORMED IN STRICT ACCORDANCE WITH AWWA STANDARD C-600, UNITED WATER, RI AND SOUTH KINGSTOWN SPECIFICATIONS. RUBBER GASKETS AND RINGS SHALL BE SUITABLE FOR USE WITH POTABLE WATER AND THOROUGHLY CLEANED TO REMOVE OIL, GRIT, AND OTHER FOREIGN MATTER PRIOR TO ASSEMBLY. THE GASKETS SHALL BE INSPECTED BY THE DIRECTOR OF WATER SUPPLY OR HIS AGENT TO INSURE THAT THEY ARE ACCEPTABLE.
- ALL FITTINGS USED FOR SERVICE CONNECTIONS SHALL BE IN ACCORDANCE WITH AWWA C-800, UNITED WATER, R.I., AND SOUTH KINGSTOWN SPECIFICATIONS.
- VALVES USED SHALL BE IN ACCORDANCE WITH AWWA C-500 SERIES, UNITED WATER, R.I., AND THE TOWN OF SOUTH KINGSTOWN REGULATIONS. VALVES SHALL BE MECHANICAL JOINT, DOUBLE DISC PARALLEL SEAT OR RESILIENT SEAT GATE STYLES AS FOLLOWS:  
 a. MUELLER CORPORATION STOP DOUBLE DISC PARALLEL SEAT.  
 b. AMERICAN DARLING VALVE RESILIENT MODEL CRS-80.
- BLOW-OFF ASSEMBLIES SHALL BE INSTALLED IN ACCORDANCE WITH AWWA C-800 SERIES, UNITED WATER, R.I., AND THE TOWN OF SOUTH KINGSTOWN.
- FIRE HYDRANTS SHALL BE INSTALLED IN ACCORDANCE WITH MUELLER A421, AWWA C-502 "DRY BARREL FIRE HYDRANTS", UNITED WATER, R.I., AND TOWN SPECIFICATIONS.
- HYDROSTATIC AND LEAKAGE TESTS SHALL BE PERFORMED ON ALL COMPLETED SECTIONS OF NEWLY INSTALLED PIPELINE IN ACCORDANCE WITH AWWA C-600, UNITED WATER, R.I. AND TOWN SPECIFICATIONS.
- ALL PIPE SHALL BE DISINFECTED PRIOR TO BEING ACTIVATED IN ACCORDANCE WITH AWWA B-300, AWWA C-601, UNITED WATER, R.I., AND TOWN SPECIFICATIONS.
- DISTRIBUTION PIPING SHALL BE CL 52 DUCTILE IRON, DOUBLE CEMENT LINED, WITH PUSH ON JOINTS. PIPE SHALL MEET ANSI/AWWA C151 A21.51. JOINTS SHALL MEET ANSI/AWWA /C111/A21.11. AMERICAN MANUFACTURER ONLY.
- FITTINGS SHALL BE DUCTILE IRON MECHANICAL JOINT CL350 CEMENT MORTAR LINED AND MEET ANSI/AWWA/C153/A21.53. MECHANICAL JOINTS SHALL MEET ANSI/AWWA/C111/A21.11 AMERICAN MANUFACTURER ONLY.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL STATE AND TOWN PERMITS PRIOR TO CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR INITIATING, MAINTAINING AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS RELATED TO INSTALLATION OF THE WATER MAIN.
- EXCAVATIONS THAT EXTEND INTO PUBLIC RIGHT-OF-WAY SHALL BE BACKFILLED AND COMPACTED IN 12" LIFTS. A TEMPORARY SURFACE COURSE IS TO BE APPLIED. FINAL BINDER AND FINISH COURSE TO BE PLACED AFTER REMOVAL OF TEMPORARY PAVEMENT AND COMPACTION OF GRAVEL BASE. CONTRACTOR SHALL MAKE ROAD PASSABLE FOR ONE LANE OF TRAFFIC AT ALL TIMES.
- CONTRACTOR SHALL NOTIFY DIG SAFE PRIOR TO DIGGING ANY TRENCHES.
- WHEN WORK IS NOT IN PROGRESS AND AT THE END OF EACH DAY, ALL OPEN ENDS OF THE PIPE AND FITTINGS SHALL BE SECURELY CLOSED.
- DIPRETE ENGINEERING DOES NOT CERTIFY AS TO THE WATER FLOW RATE OR RESIDUAL PRESSURE OF THIS WATER SERVICE EXTENSION.



**DRYWELL SYSTEM PLAN VIEW - PHASE 1**  
 SCALE: 1" = 5'



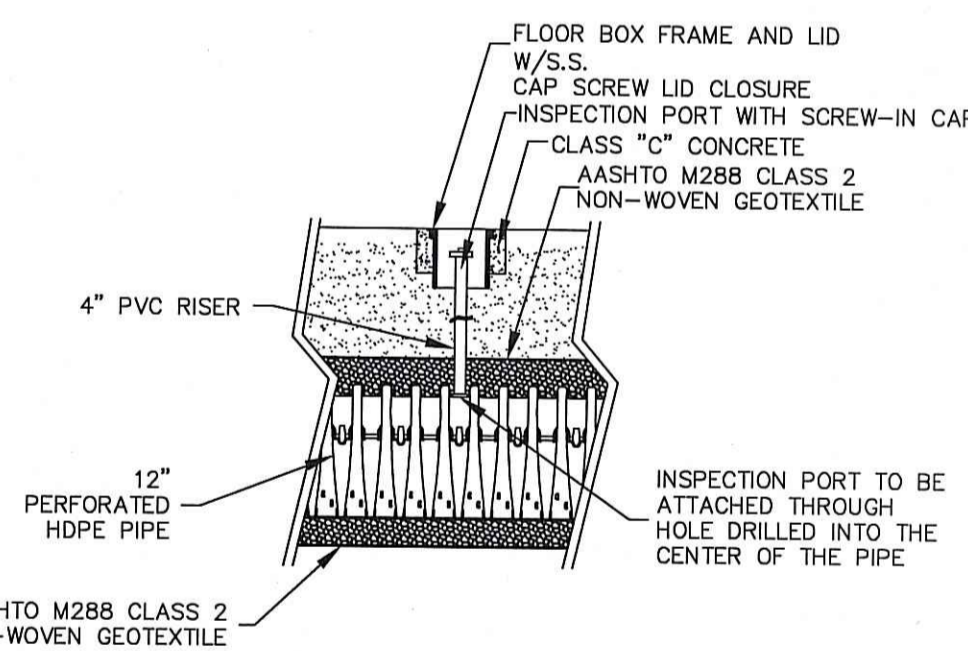
**TYPICAL 4" OR GREATER WATER MAIN N.T.S.**



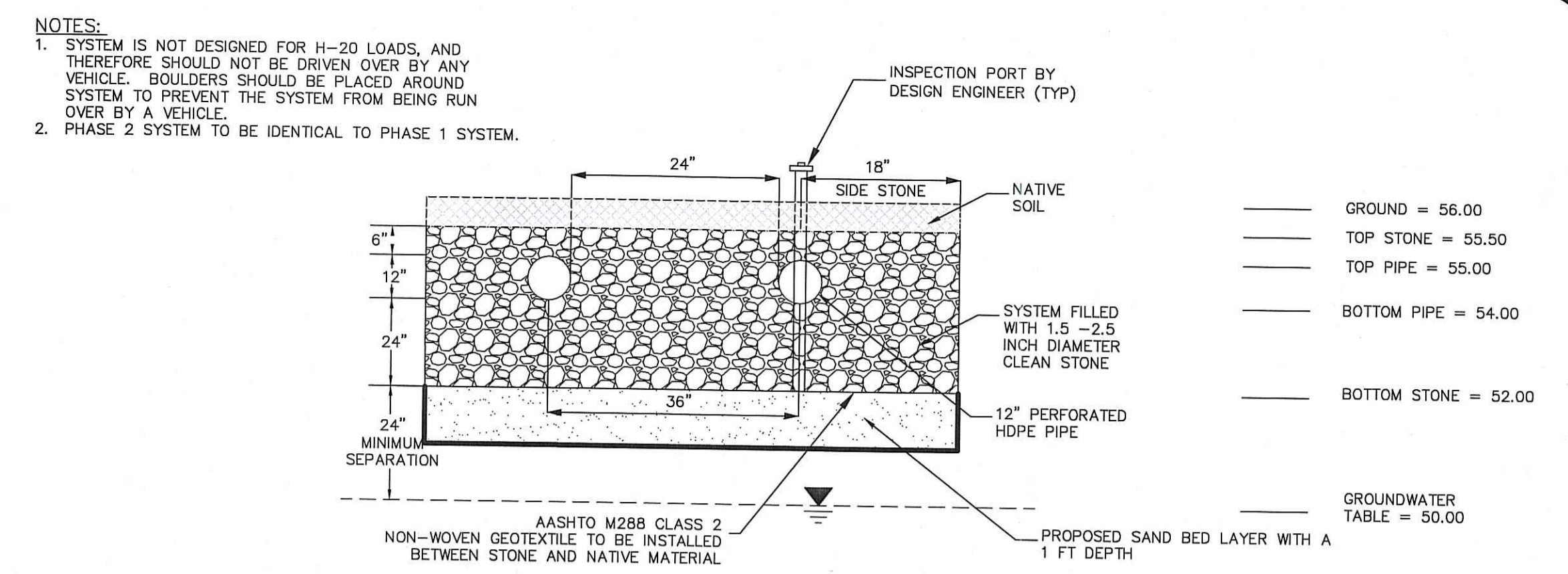
**TYPICAL 2" OR SMALLER WATER SERVICE N.T.S.**

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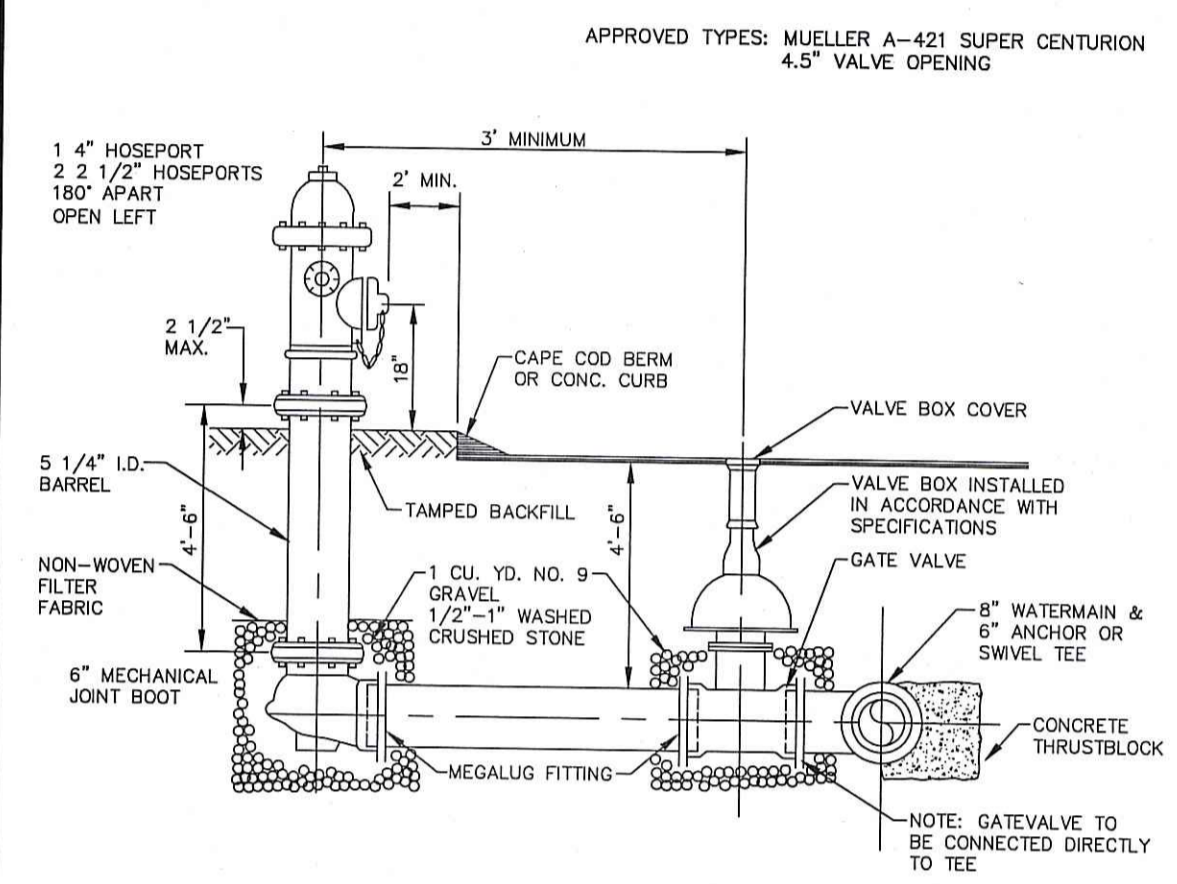
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL  
 DATED MAR 27 2012 FILE # 11-0189  
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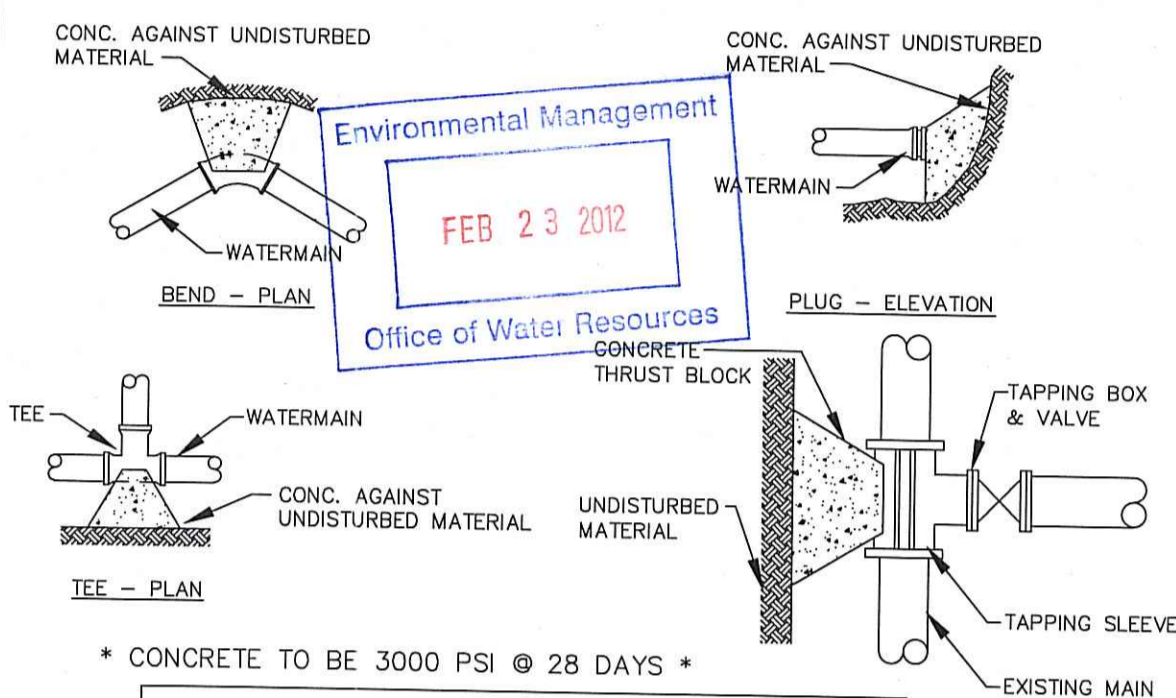
**INSPECTION PORT DETAIL**  
 NOT TO SCALE



**DRYWELL SYSTEM CROSS SECTION - PHASE 1**  
 NOT TO SCALE

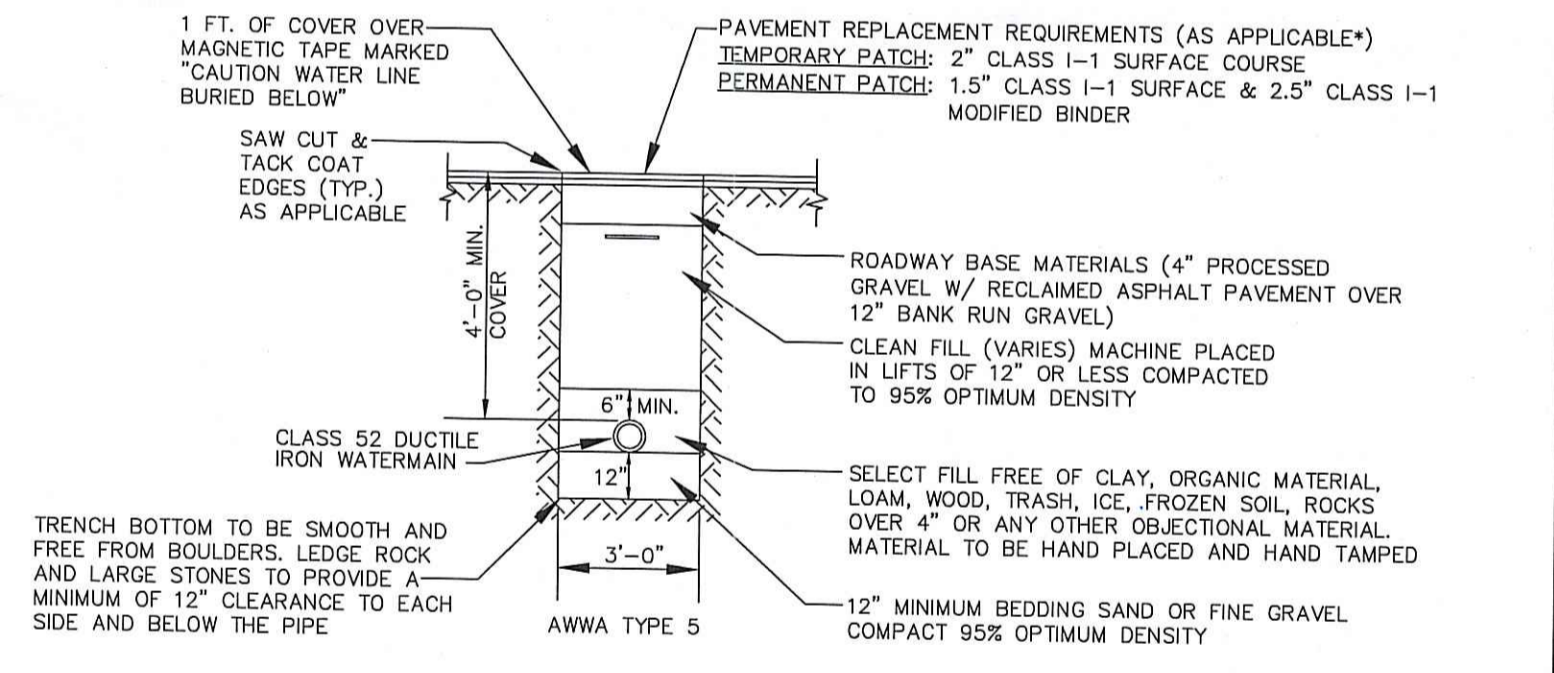


**AWWA C502 DRY BARREL FIRE HYDRANT N.T.S.**



PIPE SIZE	THRUST BLOCK SCHEDULE BEARING AREA	TEE & DEAD END
8"	45" BEND OR LESS	3.0' x 3.0'
12"	2.5' x 2.5'	3.5' x 3.5'

**THRUST BLOCK DETAILS N.T.S.**



**WATER TRENCH DETAIL N.T.S.**

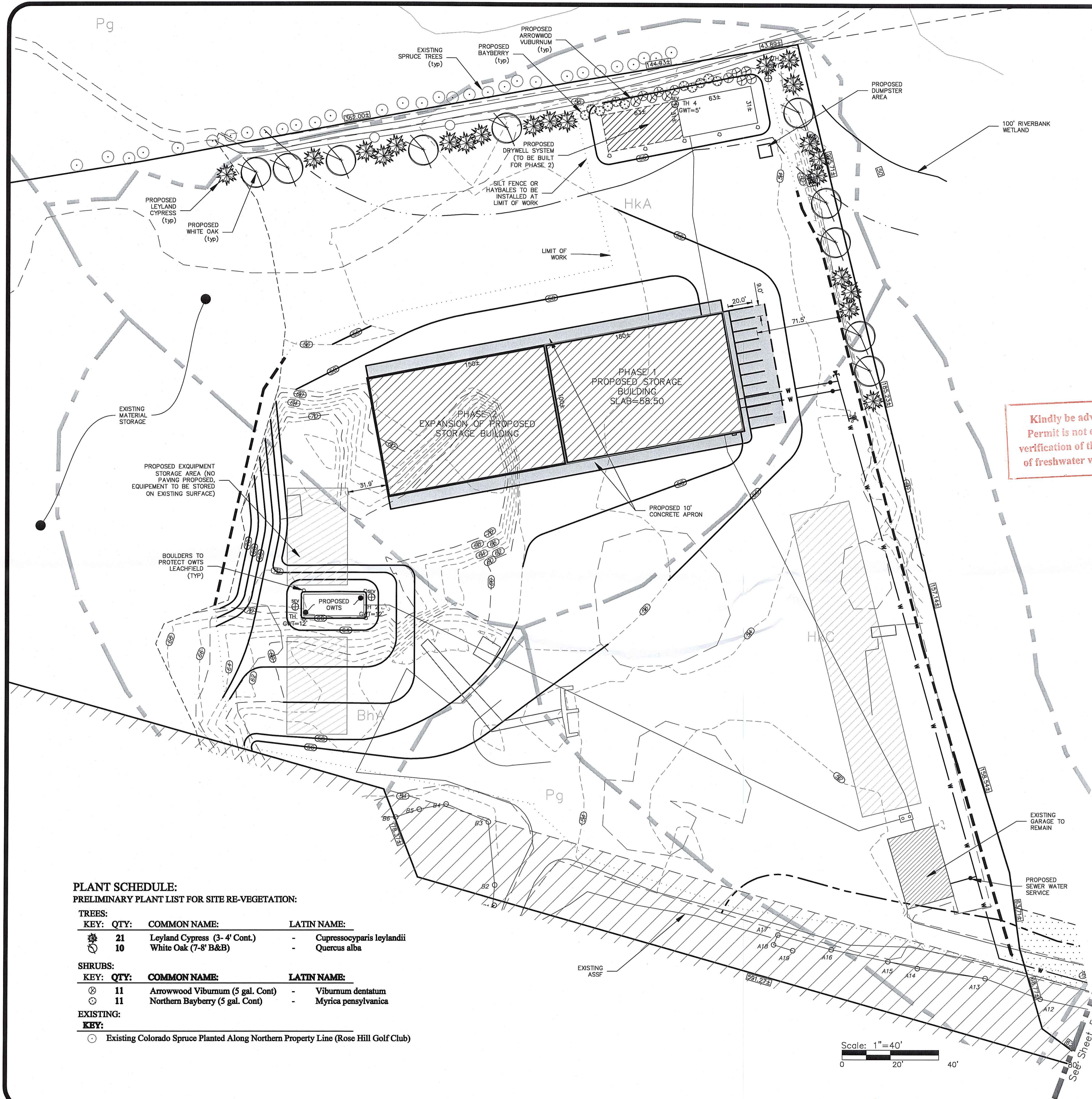
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**Detail Sheet**  
**#102 Rosehill Road**  
 Assessor's Plat 33, Lot 88  
 South Kingstown, Rhode Island

**DiPrete Engineering**  
 Two Stafford Court Cranston, RI 02920  
 tel 401-943-1000 fax 401-464-6006 www.DiPrete-Eng.com  
 Owner / Applicant:  
**AKG, Inc.**  
 P.O. Box 7  
 Peacedale, RI 02879

No.	Date	Description	By:
3	2-17-12	RIDEM Resubmission	D.A.R.
2	12-16-11	Town Submission	E.L.T.
1	9-28-11	RIDEM/own Submission	S.A.H.
0	6-17-11	Pre-Application Submission	J.A.D.



**General Notes:**

- Survey & site information has been provided to Landscape Architect (LA) by DiPrete Engineering. Proposed plant quantities and locations are based on screening concerns related to development.
- Due to the nature of the project site, its proposed & existing use, existing buffers, existing easements & existing vegetation; and the nature of the use of abutters' property & setbacks; it is the landscape architect's opinion that minimal landscaping & plantings are necessary. Proposed plants are to be used to plug gaps in existing vegetation & supplement screening as much as is reasonably possible.
- All plant materials furnished by the contractor shall be guaranteed for a period of one year from final acceptance of landscape work.
- Stake all trees over 5' as shown on details. Remove stakes at the end of the guarantee period.
- The contractor shall perform all work in accordance with all local, state, and federal regulations, and shall obtain all necessary permits for this project.
- Seeding: Seeding shall take place between March 15 and May 31 or August 15 and October 15 only. Seed shall be pure, live, fresh seed from commercial sources meeting and labeled in accordance with State and Federal rules and regulations. Proposed seed mix shall be "New England Logging Road Seed Mix", as specified by "New England Wetland Plants, Inc."
- Seeded areas shall, at a minimum, include all areas of the site that have been disturbed or are barren unless actively used as a materials yard / gravel bank.
- Protection of Existing Plantings: Maximum effort should be made to save tree or other plant specimens which are large for their species, rare to the area, or of special horticultural or landscape value. Contact owner/landscape architect before removing any specimen of this type unless otherwise noted on the plans. No material or temporary soil deposits shall be placed within the drip line of shrubs or trees designated on the landscape plan to be retained. Protective barriers are to be installed around each plant and/or group of plants that are to remain on the site. Barriers shall not be supported by the plants they are protecting, but shall be self supporting. They shall be of minimum of four feet (4') high and constructed of a durable material, such as snow or silt fence, that will last until construction is completed.
- Disturbed Areas: Any areas disturbed during the course of construction are to be restored to original (or better) condition by contractor before completion of the project, and are subject to approval by landscape architect and owner. All grass areas disturbed during construction shall be yolk raked to remove stones and loamed and seeded as per specifications.

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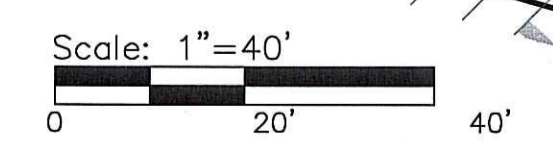
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED ~~MAR 27 2012~~ **FEB 23 2012** FILE # ~~11-0189~~ **11-0189**  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Margaret D. Wood*

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**PLANT SCHEDULE:**  
**PRELIMINARY PLANT LIST FOR SITE RE-VEGETATION:**

TREES:			
KEY:	QTY:	COMMON NAME:	LATIN NAME:
☼	21	Leyland Cypress (3- 4' Cont.)	Cupressocyparis leylandii
○	10	White Oak (7-8' B&B)	Quercus alba
SHRUBS:			
KEY:	QTY:	COMMON NAME:	LATIN NAME:
⊗	11	Arrowwood Viburnum (5 gal. Cont)	Viburnum dentatum
⊙	11	Northern Bayberry (5 gal. Cont)	Myrica pensylvanica
EXISTING:			
KEY:			
○	Existing Colorado Spruce Planted Along Northern Property Line (Rose Hill Golf Club)		



LANDSCAPE ARCHITECTURE  
**CLARK FARMS**  
Garden Center  
711 Kingston Rd.  
Westerfield, RI 02897  
401.770.8844  
www.clarkfarms.com



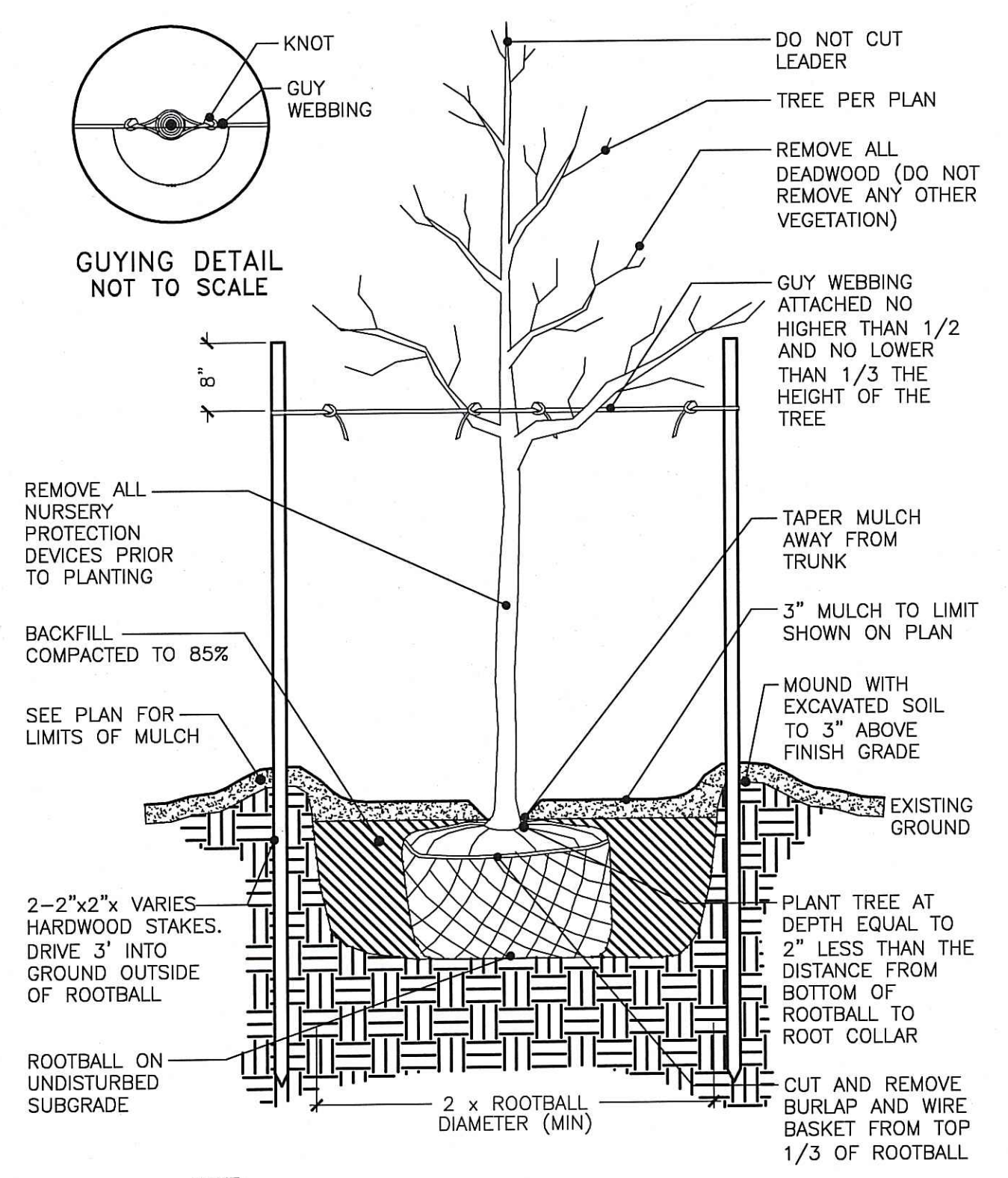
**L-1 Landscape Plan**  
**#102 Rosehill Road**  
Assessor's Plot 33, Lot 88  
South Kingstown, Rhode Island

**DiPrete Engineering**

No.	Date	Description	By:
2	10-7-11	RIDEM/Town Submission (Clark Farms)	M.J.B.
1	9-28-11	RIDEM/Town Submission	B.A.H.
0	6-17-11	Pre-Application Submission	J.A.B.

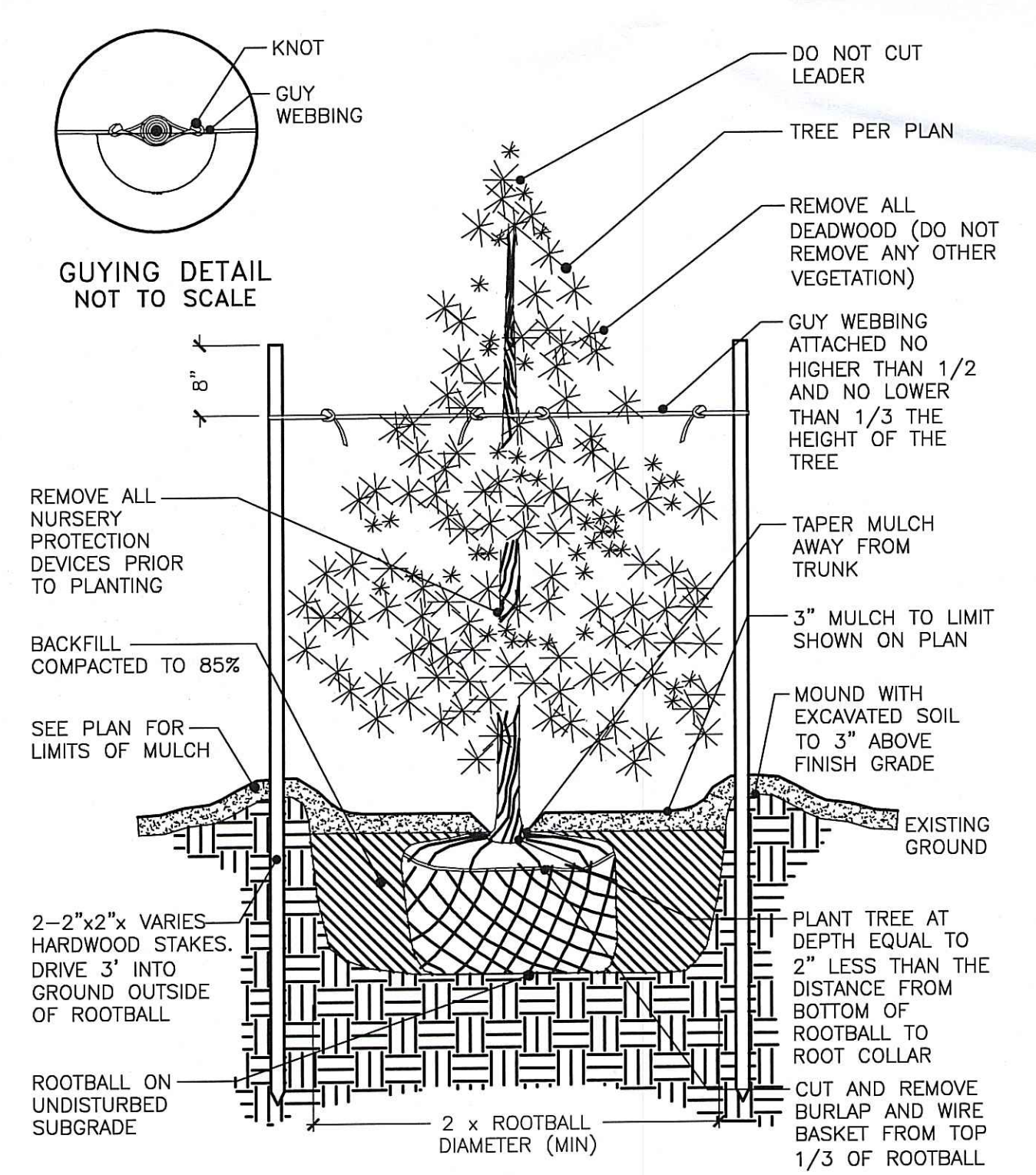
Two Stafford Court Cranston, RI 02920  
tel 401-943-1000 fax 401-464-6006  
www.DiPrete-Eng.com  
Owner / Applicant:

**AKG, Inc.**  
P.O. Box 7  
Peacedale, RI 02879



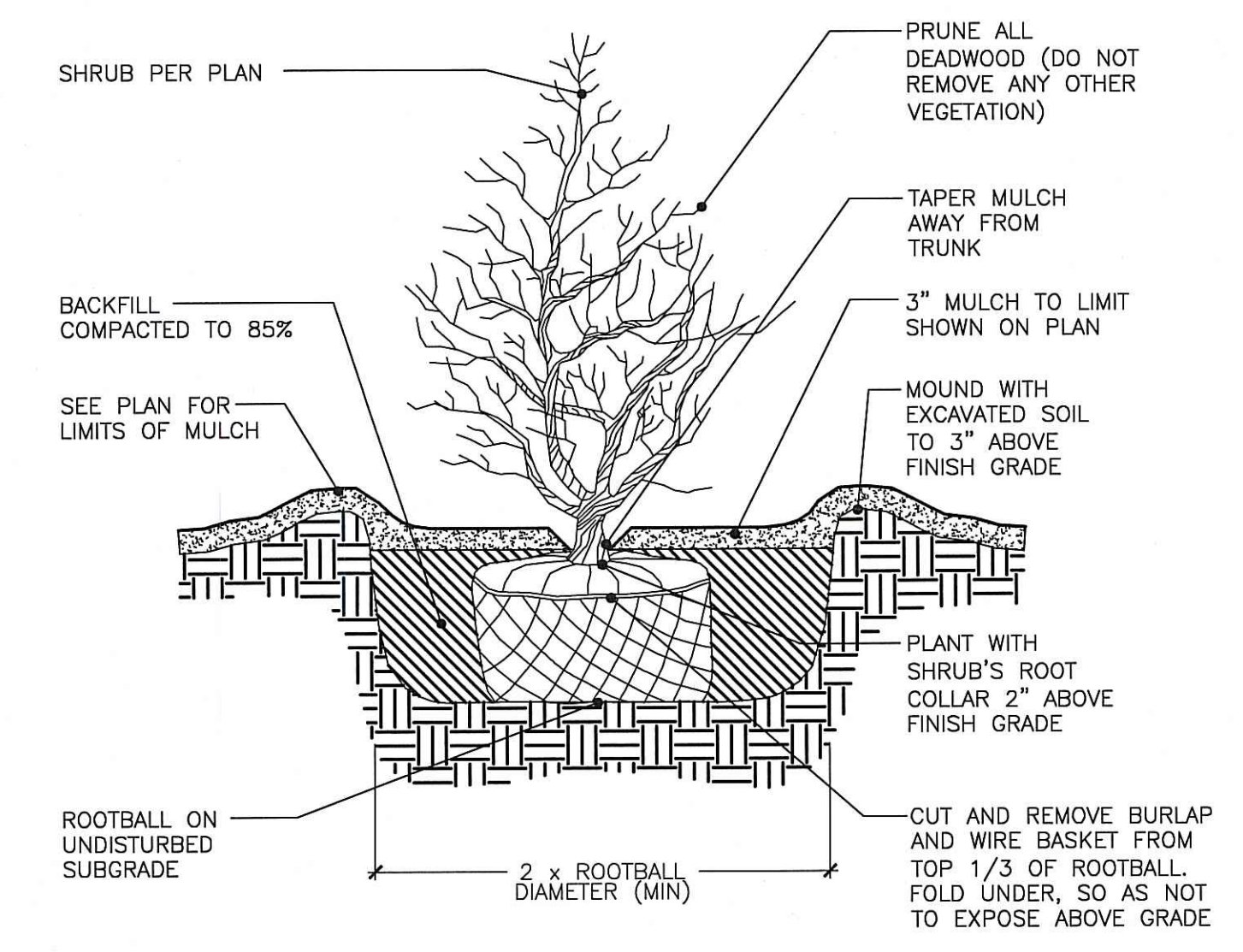
NOTE:  
1. AFTER THE GUARANTEE PERIOD THE CONTRACTOR WILL BE RESPONSIBLE FOR THE REMOVAL OF STAKES AND GUY WEBBING.

DECIDUOUS TREE STAKING AND PLANTING DETAIL

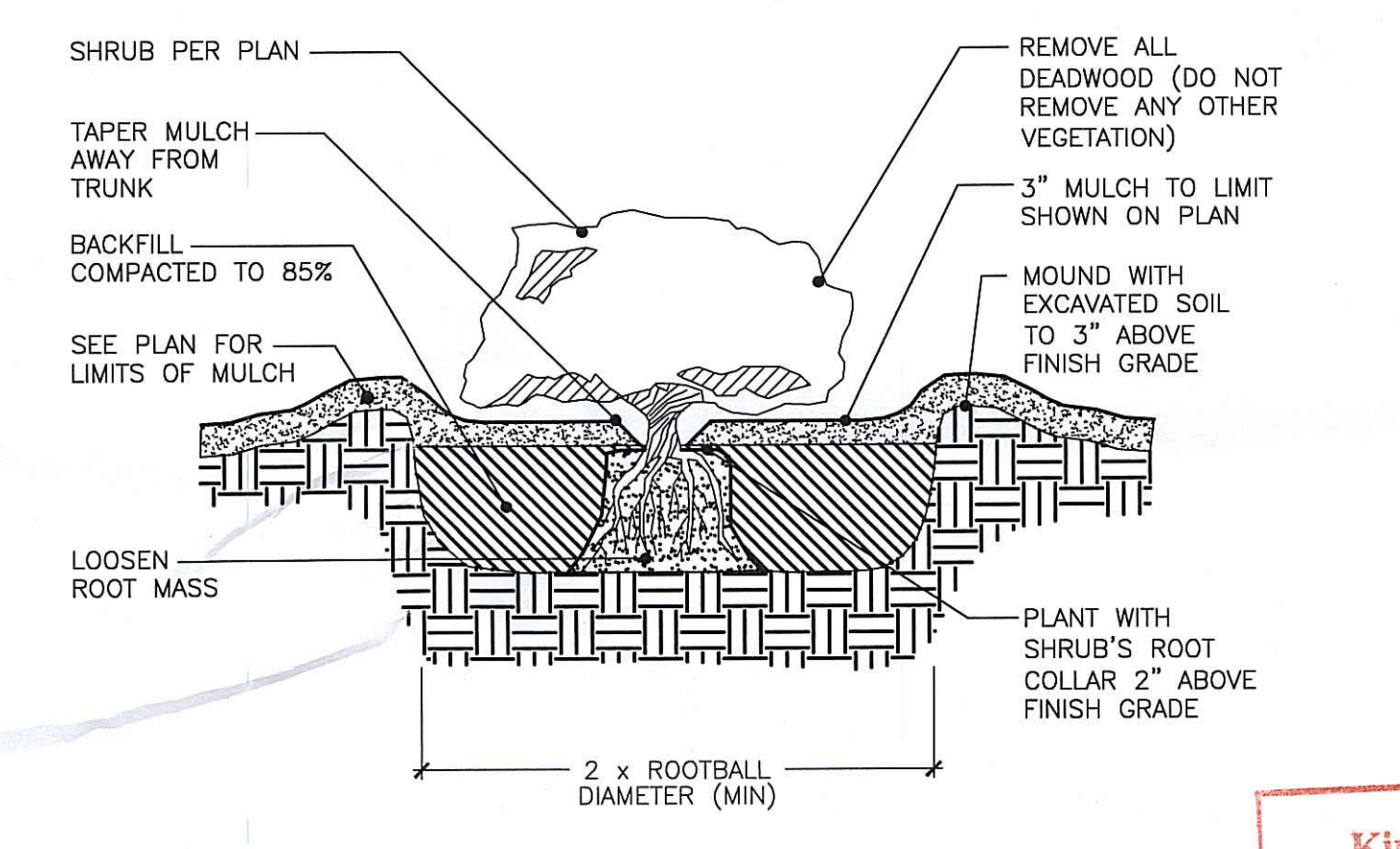


NOTE:  
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EVERGREEN TREE PLANTING DETAIL

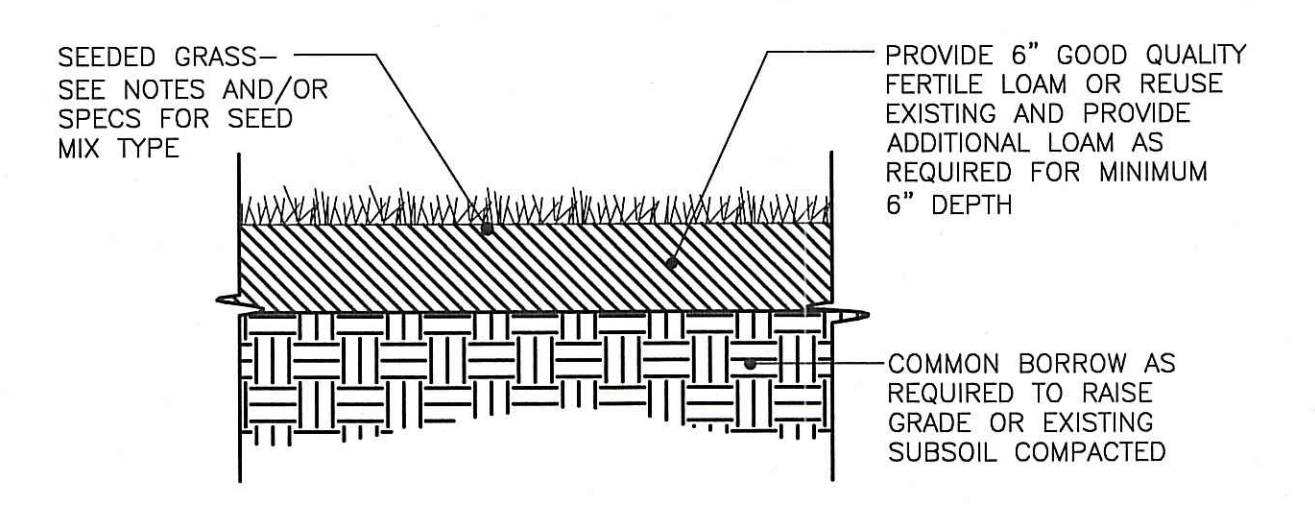


SHRUB PLANTING DETAIL



CONTAINER GROWN TREE AND SHRUB PLANTING DETAIL

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LOAM AND SEED DETAIL

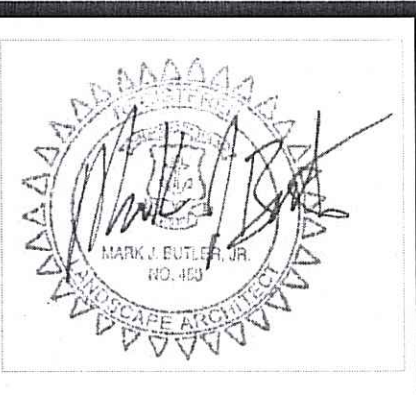
Environmental Management  
FEB 23 2012  
Office of Water Resources

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
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*Miguel S. DiPrete*

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LANDSCAPE ARCHITECTURE  
**CLARK FARMS**  
Garden Center  
713 Kingston Rd.  
Westerly, RI 02893  
401.783.8844  
www.clarkfarms.com



**L - 2 Planting Details**  
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Assessor's Plat 33, Lot 88  
South Kingstown, Rhode Island

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