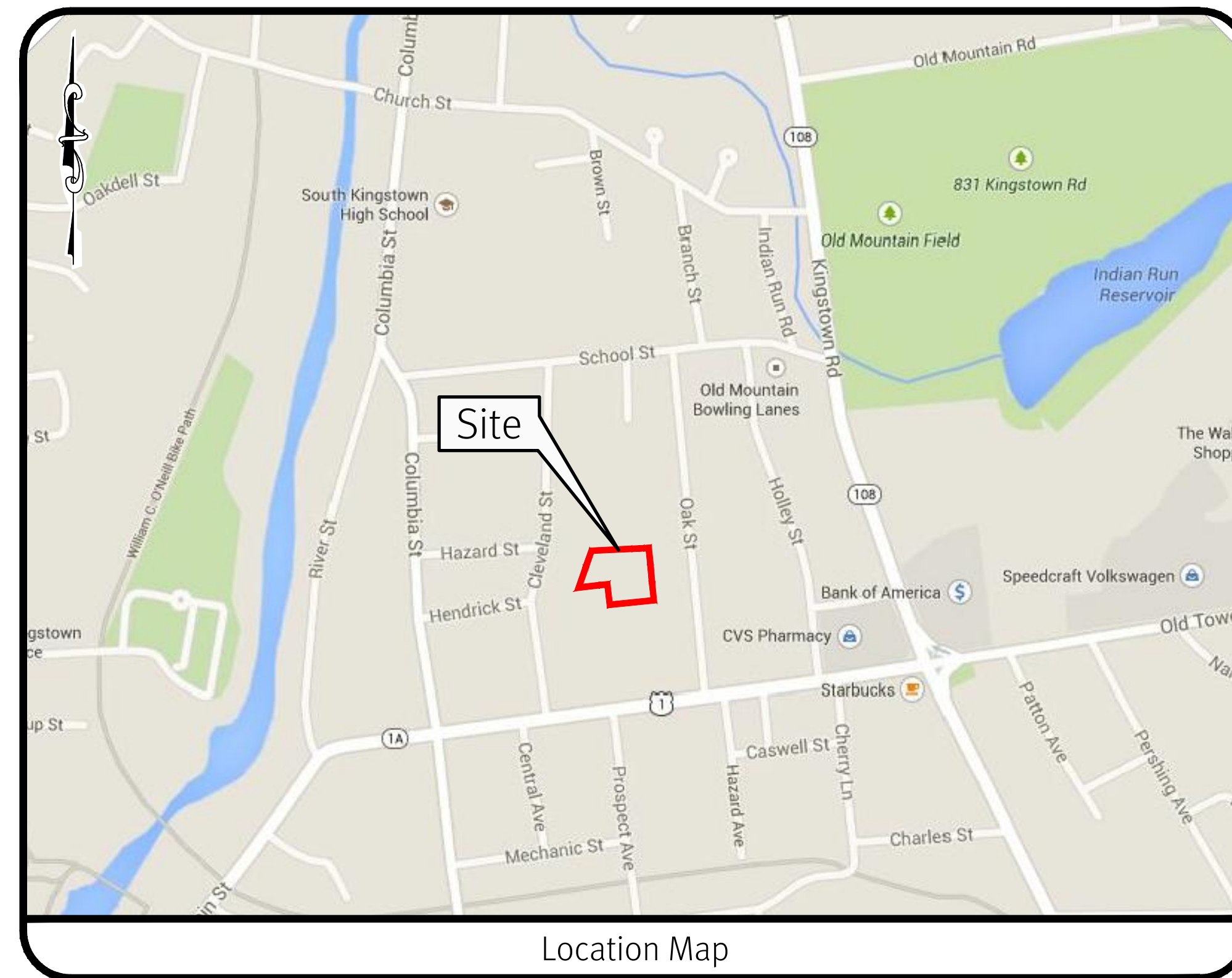


Preliminary Minor Land Development

Magnolia Lane Development

South Kingstown, Rhode Island

Assessor's Plat 57-1 Lot 121



Sheet Index

1. Cover Sheet
2. Aerial Half Mile Radius Plan
3. Existing Conditions Plan
4. Overall Site Plan
5. Site Layout and Grading Plan
6. Soil Erosion & Sediment Control Plan
7. Detail Sheet - 1
8. Detail Sheet - 2

SESC / O&M

The Soil Erosion and Sediment Control Plan (SESC) and Operations and Maintenance Plan (O&M) are required documents with this plan set and must be maintained by the contractor and owner onsite.

DiPrete Engineering

Two Stafford Court Cranston, RI 02920
tel 401-943-1000 fax 401-664-6006 www.diprete-eng.com

Boston • Providence • Newport

DAVID A. RUSSO
No. 14309
REGISTERED
PROFESSIONAL ENGINEER
CIVIL

Project: Magnolia Lane Development
No. 14309
Date: 5/16/2021
Drawn By: SEK
Designed by: ECG

Cover Sheet
Magnolia Lane Development

Assessor's Plat 57-1 Lot 121
South Kingstown, Rhode Island
Prepared for
J Thomas Investments, LLC
697 Moonstone Beach Road
South Kingstown, RI 02879
Tel (401) 741-3569

DE JOB No: 2214-001 Copyright 2021 by DiPrete Engineering Associates, Inc.

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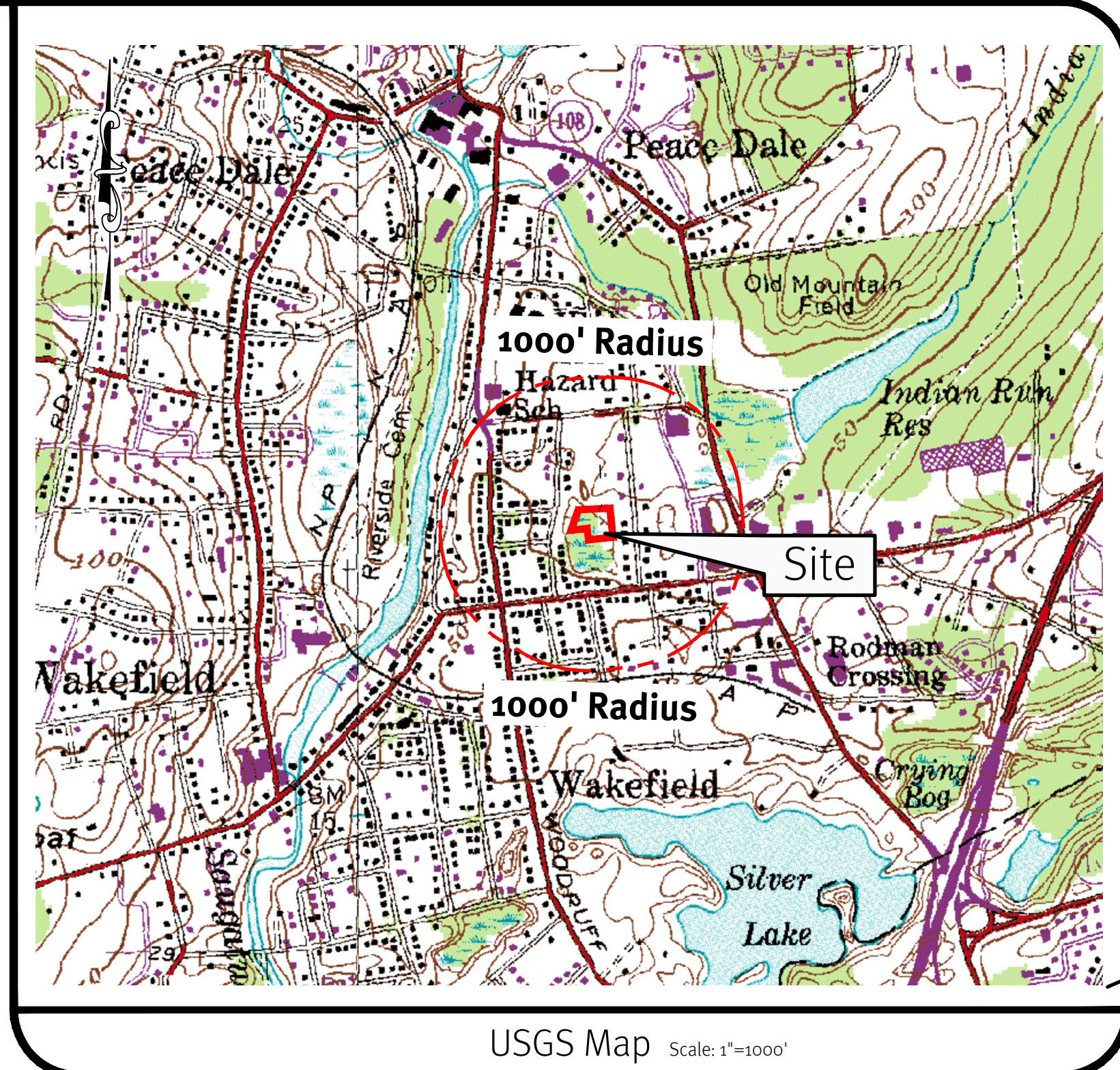
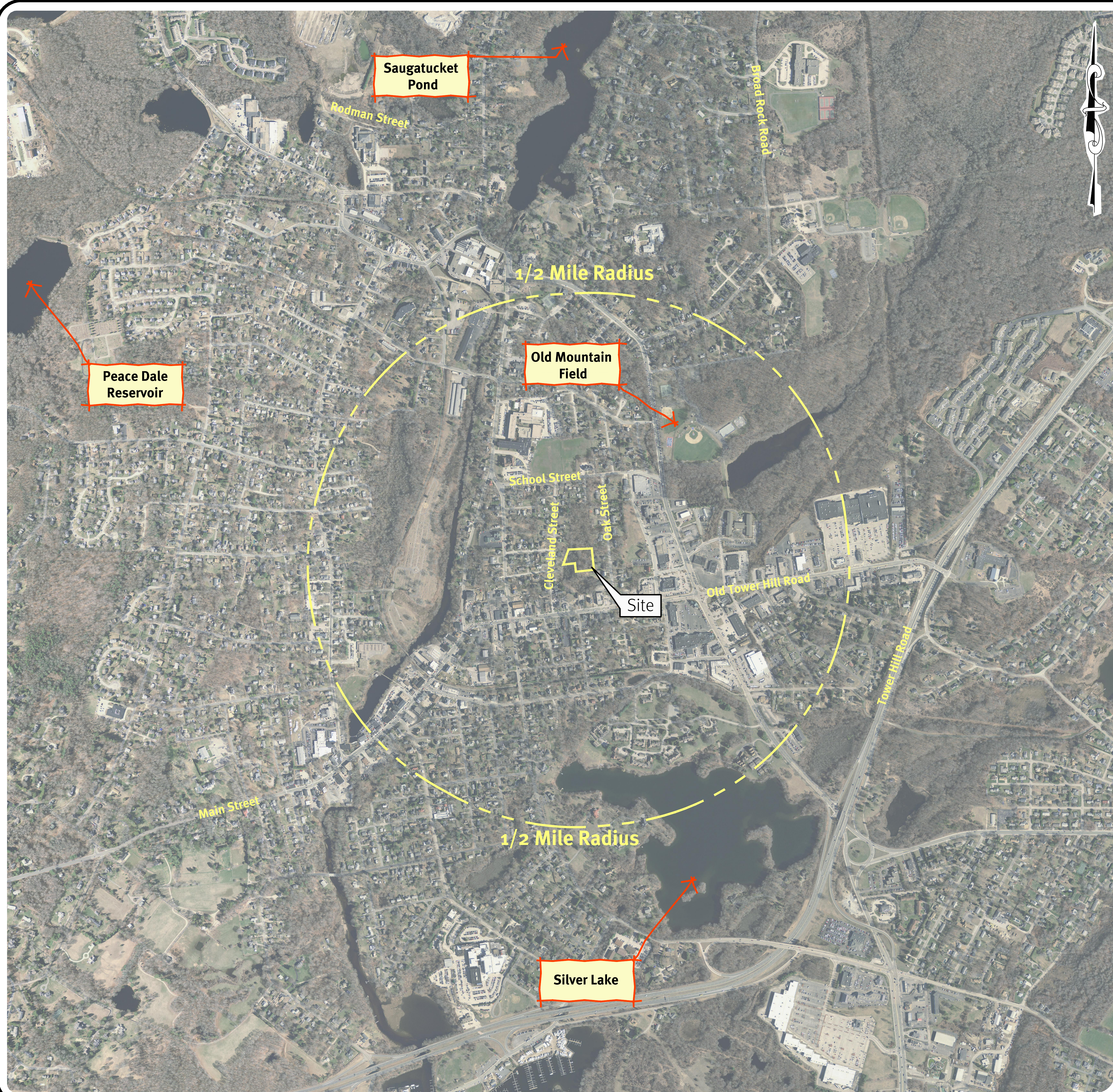
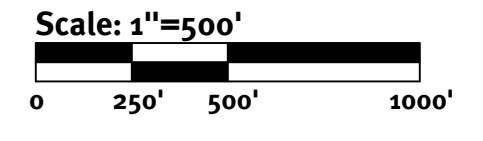


Photo obtained from the RI-GIS.



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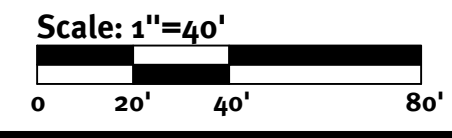
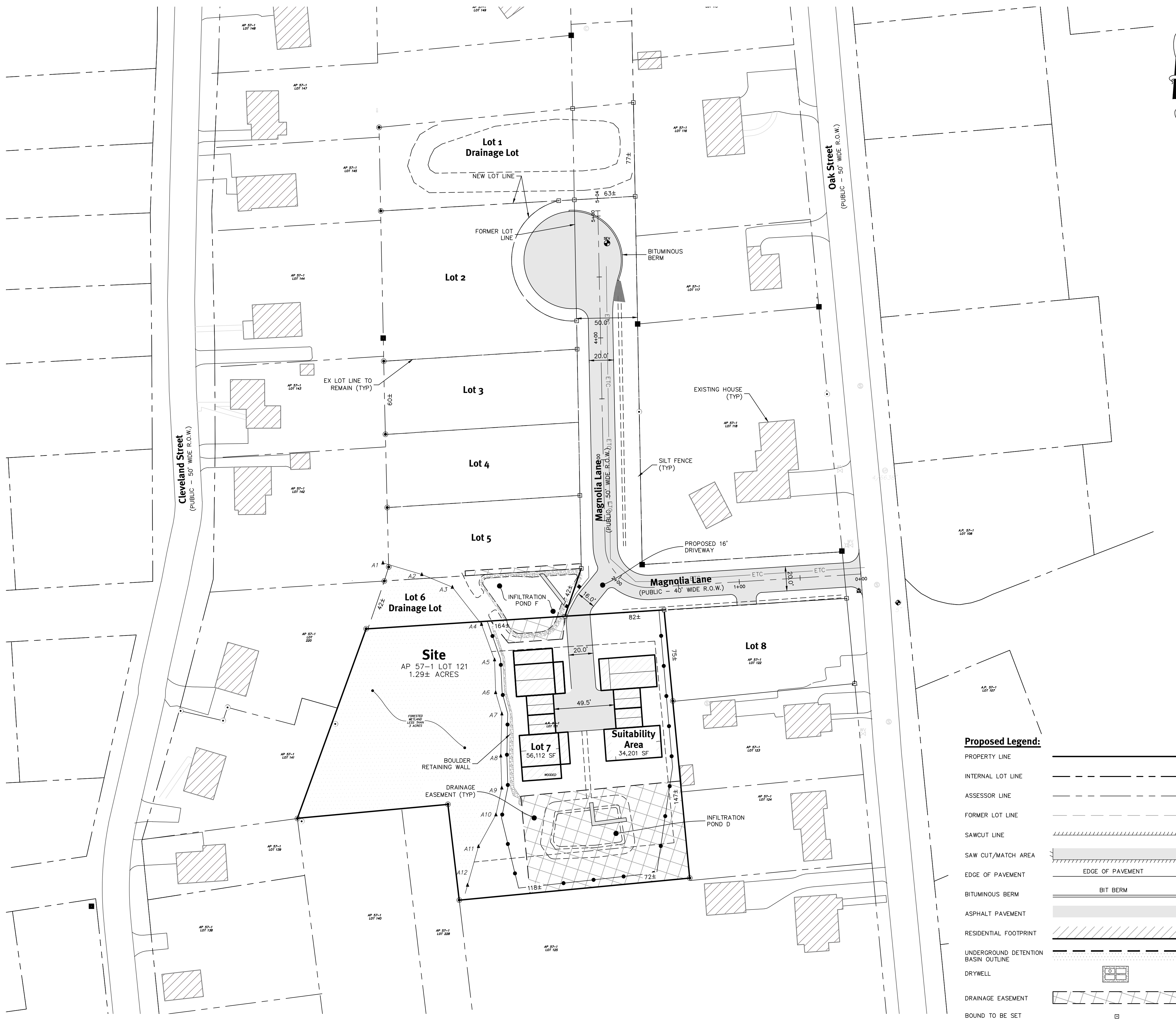
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DAVID A. RUSSO
 No. 14359
 REGISTERED PROFESSIONAL ENGINEER CIVIL

Project No.	2214-001	Revision	
Date	04/06/21	Drawn By	SEK
Description	Development	Designed by	ECG

Aerial Half Mile Radius Plan
Magnolia Lane Development
 Assessor's Map 474, Lot 131
 South Kingstown, Rhode Island
 Prepared for
J Thomas Investments, LLC
 697 Moonstone Beach Road
 South Kingstown, RI 02879 Tel (401) 741-2569
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Proposed Legend:

PROPERTY LINE	—
INTERNAL LOT LINE	- - -
ASSESSOR LINE	—
FORMER LOT LINE	- - -
SAWCUT LINE	—
SAW CUT/MATCH AREA	▨
EDGE OF PAVEMENT	—
BITUMINOUS BERM	▨
ASPHALT PAVEMENT	▨
RESIDENTIAL FOOTPRINT	▨
UNDERGROUND DETENTION BASIN OUTLINE	▨
DRYWELL	□
DRAINAGE EASEMENT	▨
BOUND TO BE SET	□
GUARDRAIL RIDOT STD 34.4.0	▨

General Notes:

- THE SITE IS LOCATED ON THE TOWN OF SOUTH KINGSTOWN, RHODE ISLAND ASSESSOR'S PLAT 57-1 LOT 121.
- THE SITE IS APPROXIMATELY 1.29± ACRES AND IS ZONED R-10.
- THE OWNER OF AP 57-1 LOT 121: J THOMAS INVESTMENTS, LLC
697 MOONSTONE BEACH ROAD
SOUTH KINGSTOWN, RI 02879
- THIS SITE IS LOCATED IN FEMA FLOOD ZONES X (SHADED) AND X (UNSHADED). REFERENCE FEMA FLOOD INSURANCE RATE MAP 44009C0203J, MAP REVISED OCTOBER 16, 2013.
- THE BOUNDARY LINE AS SHOWN ON THIS PLAN DEPICTS A CLASS I SURVEY AS PERFORMED BY DIPRETE ENGINEERING ASSOCIATES, INC. 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 SITE IS NOT WITHIN A:
GROUNDWATER PROTECTION AREA
NATURAL HERITAGE AREAS
NARROW RIVER SPECIAL AREA MANAGEMENT PLAN
SALT PONDS SPECIAL AREA MANAGEMENT PLAN
GROUNDWATER PROTECTION OVERLAY DISTRICT
- THE FOLLOWING DOCUMENTS ARE CONSIDERED PART OF THE PROJECT PLANS AND THE CONTRACTOR/ OWNER MUST MAINTAIN THESE DOCUMENTS AS PART OF A FULL PLAN SET:
 - SOIL EROSION AND SEDIMENT CONTROL PLAN (SESC). THE SESC CONTAINS THE FOLLOWING:
 - EROSION CONTROL MEASURES
 - SHORT TERM MAINTENANCE
 - ESTABLISHMENT OF VEGETATIVE COVER
 - CONSTRUCTION POLLUTION PREVENTION
 - SEQUENCE OF CONSTRUCTION
 - OPERATIONS AND MAINTENANCE PLAN (O&M). THE O&M CONTAINS THE FOLLOWING:
 - LONG TERM MAINTENANCE
 - LONG TERM POLLUTION PREVENTION
- THIS PLAN SET REFERENCES RIDOT STANDARD DETAILS (DESIGNATED AS RIDOT STD X.X.X.). RIDOT STANDARD DETAILS ARE AVAILABLE FROM RIDOT AND ONLINE AT: WWW.DOT.STATE.RI.US/ENGINEERING/STANDARDS/INDEX.ASP.
- THE SITE IS TO BE SERVICED BY PUBLIC WATER AND PUBLIC SEWER.
- EXISTING RIGHTS OF WAY ARE AS SHOWN ON PLANS.
- THE DRAINAGE SYSTEM IS DESIGNED TO MEET THE SOUTH KINGSTOWN SUBDIVISION AND LAND DEVELOPMENT REGULATIONS WITH THE USE OF CATCH BASINS AND UNDERGROUND DRAINAGE SYSTEMS. THE STORMWATER MANAGEMENT SYSTEM MEETS THE RIDEM BEST MANAGEMENT PRACTICES.
- THE SITE IS PROPOSED TO BE BUILT IN 1 PHASE. THE ONLY PHASE WILL INCLUDE INCLUDES TARN STREET, ALL APPROPRIATE UTILITIES, AND ALL LOTS. INFILTRATION PONDS AND INFRASTRUCTURE WILL ALSO BE INCLUDED IN THIS SINGULAR PHASE BUILD.
- TEST HOLE AND SOIL EVALUATIONS WERE COMPLETED BY DIPRETE ENGINEERING ON MAY 1, 2015.

Development Data:

TOTAL SITE AREA:	1.29± ACRES
TOTAL NUMBER OF LOTS:	1
TOTAL NUMBER OF UNITS:	4
TOTAL LOT AREA:	1.29 ACRES

Dimensional Regulations:

CURRENT ZONING:	R-10
MINIMUM LOT AREA:	REQUIRED 10,000 SF
MINIMUM FRONTAGE AND LOT WIDTH:	80'
MINIMUM FRONT AND CORNER SIDE YARD:	25'
MINIMUM SIDE YARD:	10'
MINIMUM REAR YARD:	30'
MAXIMUM STRUCTURE HEIGHT:	35'
MAXIMUM LOT BUILDING COVERAGE:	25%

Layout and Materials:

- DIMENSIONS ARE FROM THE FACE OF CURB, FACE OF BUILDING, FACE OF WALL, AND CENTER LINE OF PAVEMENT MARKINGS, UNLESS OTHERWISE NOTED.
- CURB RADII ARE AS NOTED ON PLANS.
- CURBING SHALL BE BITUMINOUS BERM OR AS LABELED ON THE PLANS.
- SYMBOLS AND LEGENDS OF PROJECT FEATURES ARE GRAPHIC REPRESENTATIONS AND ARE NOT NECESSARILY SCALED TO THEIR ACTUAL DIMENSIONS OR LOCATIONS ON THE DRAWINGS. THE CONTRACTOR SHALL REFER TO THE DETAIL SHEET DIMENSIONS, MANUFACTURERS' LITERATURE, SHOP DRAWINGS AND FIELD MEASUREMENTS OF SUPPLIED PRODUCTS FOR LAYOUT OF THE PROJECT FEATURES.
- SEE ARCHITECTURAL DRAWINGS FOR EXACT BUILDING DIMENSIONS AND DETAILS CONTIGUOUS TO THE BUILDING, INCLUDING SIDEWALKS, RAMPS, BUILDING ENTRANCES, STAIRWAYS, UTILITY PENETRATIONS, CONCRETE DOOR PADS, COMPACTOR PAD, LOADING DOCKS, BOLLARDS, ETC.
- PROPOSED BOUNDS AND ANY EXISTING PROPERTY LINE MONUMENTATION DISTURBED DURING CONSTRUCTION SHALL BE SET OR RESET BY A PROFESSIONAL LICENSED SURVEYOR.
- CONTRACTOR SHALL NOT RELY SOLELY ON ELECTRONIC VERSIONS OF PLANS, SPECIFICATIONS, AND DATA FILES THAT ARE OBTAINED FROM THE DESIGNERS, BUT SHALL VERIFY LOCATION OF PROJECT FEATURES IN ACCORDANCE WITH THE PAPER COPIES OF THE PLANS AND SPECIFICATIONS THAT ARE SUPPLIED AS PART OF THE CONTRACT DOCUMENTS.

Soil Information:

(REFERENCE: SOIL SURVEY OF RHODE ISLAND, U.S.D.A. SOIL CONSERVATION SERVICE)

SOIL NAME	DESCRIPTION
A _g	ADRIAN MUCK
H _K C	HINKLEY GRAVELLY SANDY LOAM, ROLLING
M _U	MERRIMAC-URBAN LAND COMPLEX

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tel 401-943-1000 fax 401-664-6006 www.diprete-eng.com

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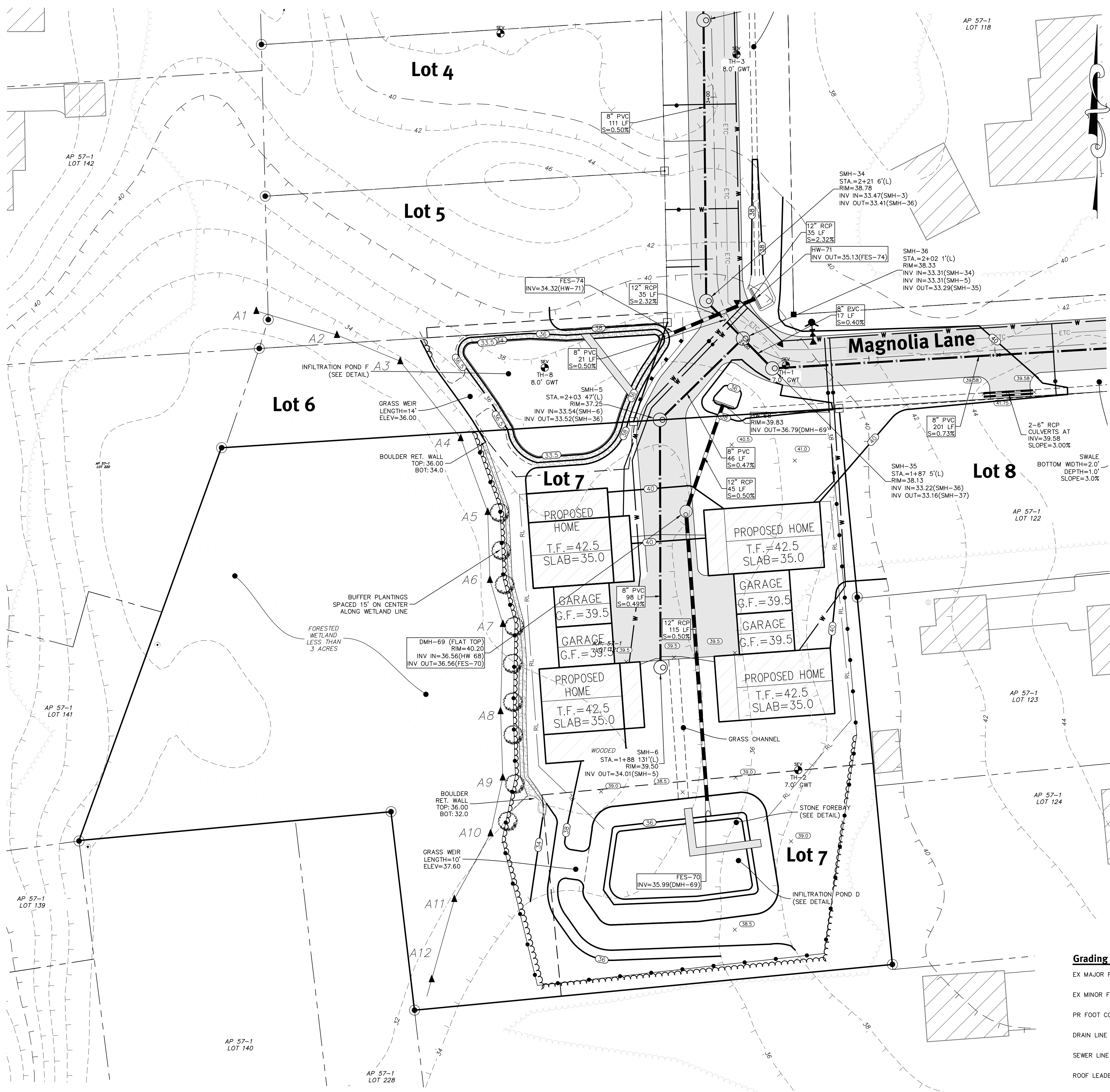
DAVID A. RUSSO
No. 14339
REGISTERED PROFESSIONAL ENGINEER CIVIL

Project No.	2214-001	Revision	
Date	04/06/21	Drawn By	SEK
Checked By		Designed By	ECG

Scale	1"=40'
Author	ADRIAN MUCK
Checker	DAVID A. RUSSO

Overall Site Plan
Magnolia Lane Development
Assessor: Plat 57-1 Lot 121
South Kingstown, Rhode Island
Prepared for
J Thomas Investments, LLC
697 Moonstone Beach Road
South Kingstown, RI 02879
Tel (401) 741-2569
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SHEET **4** OF 8



Grading and Utility Notes:

1. THE CONTRACTOR IS RESPONSIBLE FOR ALL SOIL EROSION AND SEDIMENT CONTROL ON SITE. THE CONTRACTOR IS TO NOTIFY THE DESIGN ENGINEER, THE TOWN ENGINEER, AND RI DEPT. OF ENVIRONMENTAL MANAGEMENT AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
2. CONTRACTOR TO OBTAIN ALL FEDERAL, STATE, AND MUNICIPAL APPROVALS PRIOR TO THE START OF CONSTRUCTION.
3. CONSTRUCTION TO COMMENCE UPON RECEIPT OF ALL NECESSARY APPROVALS.
4. ALL WORK PERFORMED HEREIN SHALL BE GOVERNED BY THE RHODE ISLAND STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION AND TOWN OF SOUTH KINGSTOWN STANDARD SPECIFICATIONS AND DETAILS.
5. SEQUENCE OF CONSTRUCTION PROVIDED IN SESC MAY BE MODIFIED AS FIELD CONDITIONS WARRANT WITH PRIOR APPROVAL FROM THE OWNER OR OWNER'S REPRESENTATIVE.
6. THE CONTRACTOR SHALL COORDINATE WITH ALL OF THE APPROPRIATE UTILITY COMPANIES FOR AGREEMENTS TO SERVICE THE PROPOSED BUILDING. THIS SHALL BE DONE PRIOR TO CONSTRUCTION. NO REPRESENTATIONS ARE MADE BY DIPRETE ENGINEERING THAT UTILITY SERVICE IS AVAILABLE.
7. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING FINISH GRADING AND DRAINAGE AROUND THE BUILDING TO ENSURE SURFACE WATER AND/OR GROUND WATER ARE DIRECTED AWAY FROM THE STRUCTURE.
8. PRIOR TO START OF CONSTRUCTION, CONTRACTOR SHALL VERIFY EXISTING PAVEMENT ELEVATIONS AT INTERFACE WITH PROPOSED PAVEMENTS, AND EXISTING GROUND ELEVATIONS ADJACENT TO DRAINAGE OUTLETS TO ASSURE PROPER TRANSITIONS BETWEEN EXISTING AND PROPOSED FACILITIES.
9. ALL PROPOSED UNDERGROUND UTILITIES SERVING THE SITE AND BUILDINGS TO BE COORDINATED WITH APPLICANT, ARCHITECT, AND ENGINEER PRIOR TO INSTALLATION.
10. ALL TRAFFIC CONTROL SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION INCLUDING ALL REVISIONS.
11. ALL CUT AND FILL AREAS ARE TO BE DONE UNDER THE DIRECTION OF A GEOTECHNICAL ENGINEER WITH TESTING AND CERTIFICATION TO BE PROVIDED TO THE APPLICANT AT THE COMPLETION OF THE PROJECT. DIPRETE ENGINEERING ASSOCIATES, INC. IS NOT PROVIDING THE FILL SPECIFICATION, GEOTECHNICAL ENGINEERING, STRUCTURAL ENGINEERING SERVICES, OR SUPERVISION AS PART OF THESE DRAWINGS.
12. NO STOCKPILING OF MATERIAL TO BE LOCATED IN THE RIGHT OF WAY AND NO OPEN TRENCHES ARE TO BE LEFT OVERNIGHT.
13. ALL LOAM IN DISTURBED AREAS TO BE STOCKPILED FOR FUTURE USE.
14. ALL EXCESS SOIL, TREES, ROCKS, BOULDERS, AND OTHER REFUSE, SHALL BE DISCARDED OFF SITE IN AN ACCEPTABLE MANNER AT AN APPROVED LOCATION. STUMPS SHALL BE GROUND ON SITE OR REMOVED.
15. ALL DRAINAGE MANHOLES SHALL BE RIDOT STANDARD 4.2.0.
16. NO STUMP DUMPS ARE PROPOSED ON SITE.
17. ALL EXISTING UTILITIES SHOWN ARE FROM VISIBLE INFORMATION, DRAWINGS FROM OTHERS, OR INFORMATION PROVIDED TO DIPRETE ENGINEERING AND ARE SUBJECT TO CHANGE. THE LOCATIONS OF UNDERGROUND PIPES AND CONDUITS HAVE BEEN DETERMINED FROM AFOREMENTIONED PLANS OF RECORD AND ARE APPROXIMATE ONLY. PRIOR TO CONSTRUCTION, THE PROPER UTILITY ENGINEERING DEPARTMENTS SHALL BE CONTACTED AND THE ACTUAL LOCATION OF SUBSURFACE STRUCTURES SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR. CALL THE DIG SAFE CENTER TOLL FREE AT 1-888-344-7233 72 HOURS PRIOR TO EXCAVATION. NOTIFY DESIGN ENGINEER OF ANY DISCREPANCIES PRIOR TO EXCAVATION. ANY DAMAGE TO UTILITIES WHICH ARE SHOWN ON THE PLANS OR DETAILED BY DIG SAFE SHALL BE THE SITE CONTRACTOR'S RESPONSIBILITY.
18. IF CONCRETE TRUCKS ARE WASHED OUT ON SITE, ALL WASHOUT MUST BE COMPLETED IN THE DESIGNATED CONCRETE WASHOUT AREA.
19. ALL ROOF RUNOFF FOR HOMES AND GARAGES FOR LOTS 1 THROUGH 6 WILL BE ROUTED VIA ROOF LEADERS TO UNDERGROUND INFILTRATION BASIN E.

Traffic Notes:

1. DURING CONSTRUCTION TRAFFIC CONES ARE TO BE USED FOR SEPARATION OF ACTIVE TRAFFIC FROM WORK ZONE.
2. DURING CONSTRUCTION FLAGGERS SHALL BE EMPLOYED TO ENSURE SAFETY FOR INTERACTION OF CONSTRUCTION VEHICLES AND ACTIVE TRAFFIC.
3. ALL SIGNS, FLAGGERS, TRAFFIC CONTROL DEVICES, AND TEMPORARY TRAFFIC ZONE ACTIVITIES SHALL MEET THE REQUIREMENTS OF THE MUTCD LATEST EDITION AND SUBSEQUENT ADDENDA.
4. TEMPORARY CONSTRUCTION SIGNS SHALL BE MOUNTED ON RIDOT APPROVED SUPPORTS AND SHALL BE REMOVED OR COVERED WHEN NOT APPLICABLE.
5. ALL TRAFFIC CONTROL SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES CURRENT EDITION.

As-Built Notes:

1. ALL COMPONENTS OF THE DRAINAGE MUST BE ASBUILT PRIOR TO COVERING. ENGINEER TO BE NOTIFIED PRIOR TO COVERING SURVEY ASBUILT LOCATIONS. ENGINEER WILL NOT ACCEPT FIELD MEASUREMENTS FROM THE SITE CONTRACTOR.

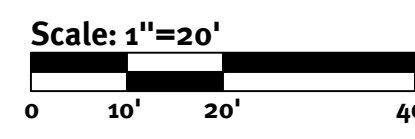
UIC Notes:

PROPOSED UNDERGROUND DRAINAGE SYSTEM MEETS ALL THE FOLLOWING UIC MINIMUM SETBACK REQUIREMENTS:

1. 400 FEET FROM ALL PUBLIC WATER WELLS (SAND & GRAVEL)
2. 200 FEET FROM ALL PUBLIC WATER WELLS (BEDROCK)
3. 200 FEET FROM ALL SURFACE DRINKING WATER SUPPLY IMPOUNDMENTS
4. 100 FEET FROM ALL PRIVATE DRINKING WATER WELLS
5. 100 FEET FROM ALL OTHER SURFACE WATERS
6. 25 FEET FROM ALL OWTS & OTHER GROUNDWATER DISCHARGE SYSTEMS
7. 25 FEET FROM ALL BUILDING FOUNDATIONS IF SYSTEM IS ABOVE SLAB ELEVATION.
8. 10 FEET FROM ALL PROPERTY LINES
9. 10 FEET FROM ALL BUILDING FOOTINGS

Grading & Utilities Legend:

EX MAJOR FOOT CONTOUR	---160---	UNDERGROUND INFILTRATION BASIN OUTLINE	-----
EX MINOR FOOT CONTOUR	---158---	WATER LINE	W W
PR FOOT CONTOUR	---310---	ELECTRIC LINE	ETC ETC
DRAIN LINE	-----	WATER VALVE	X
SEWER LINE	S S	THRUST BLOCK	▲
ROOF LEADER	RL RL	HYDRANT	●
CATCH BASIN	■	WATER CURB STOP	•
MANHOLE	○	IRON ROD/PIPE FOUND/SET	⊗/⊙
		BOUND FOUND/SET	■/□



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 Two Stafford Court Cranston, RI 02920
 Tel: 401-943-1000 Fax: 401-641-6006 www.diprete-eng.com

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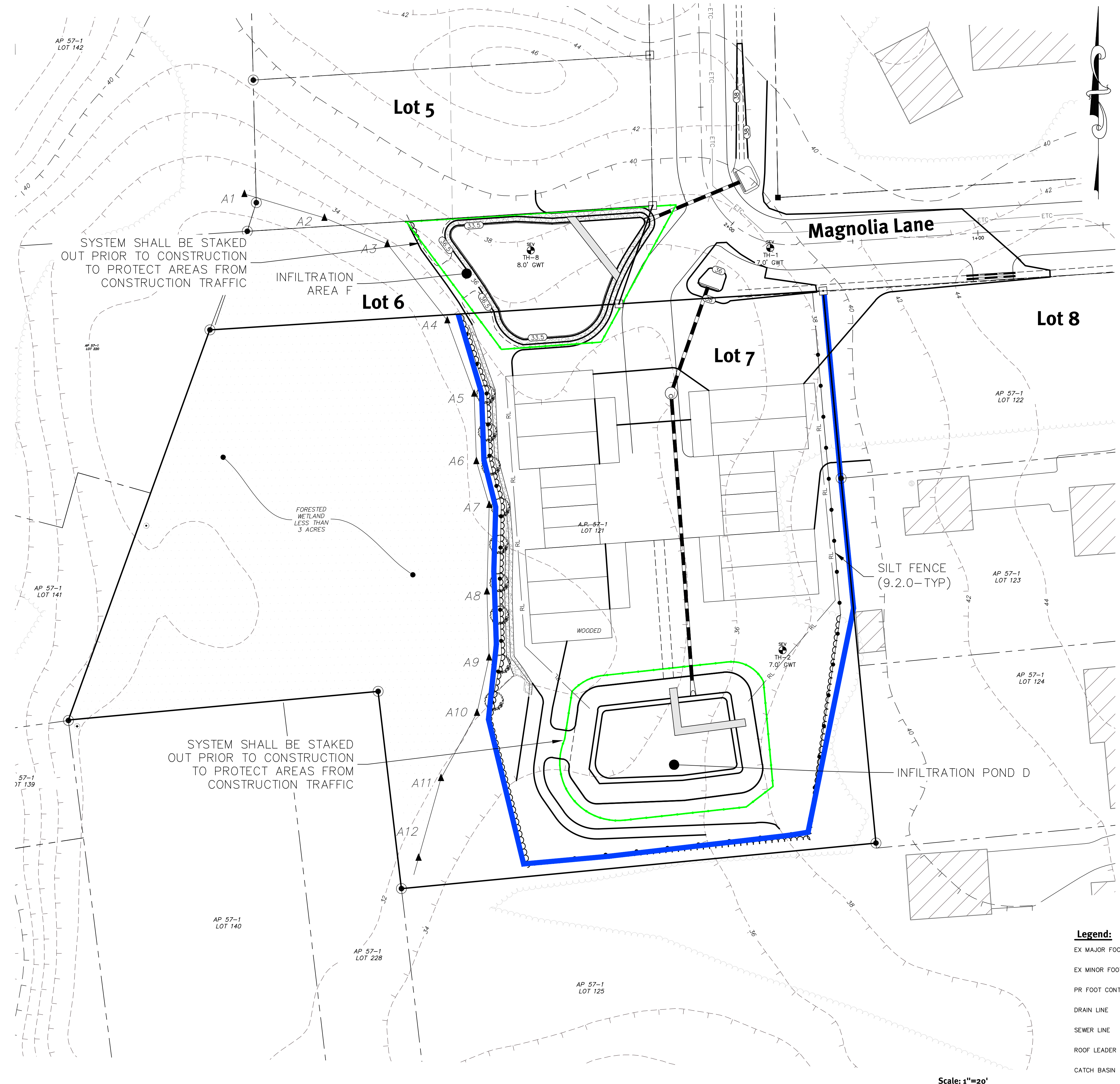
DAVID A. RUSSO
 No. 12345
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL

Site Layout & Grading Plan
Magnolia Lane Development
 Assessor: Rpt. 574, Lot 131
 South Kingstown, Rhode Island

Prepared for
J Thomas Investments, LLC
 697 Moonstone Beach Road
 South Kingstown, RI 02879
 Tel: (401) 741-3569

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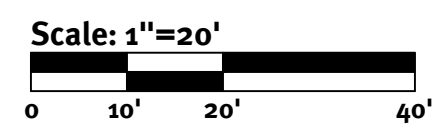
General Notes:

1. ALL EROSION CONTROL MEASURES ETC. SHALL BE INSTALLED PER THE RHODE ISLAND SOIL EROSION AND SEDIMENTATION CONTROL LATEST EDITION.
2. SILT FENCE OR AN APPROVED EROSION CONTROL SHALL BE USED TO CONTROL RUNOFF DURING CONSTRUCTION OF THE SITE.
3. VEHICLE MAINTENANCE AND WASHING SHALL OCCUR OFF-SITE.
4. CONCRETE WASHOUT AREAS TO BE LOCATED AT STOCKPILE AREA AS NEEDED.
5. CONTRACTOR MAY MODIFY SEQUENCE OF CONSTRUCTION WITH APPROVAL FROM DESIGN ENGINEER.
6. INFILTRATION AREAS SHALL BE STAKED OFF, DEMARCATED AND PROTECTED FROM CONSTRUCTION TRAFFIC DURING ALL CONSTRUCTION PHASES.

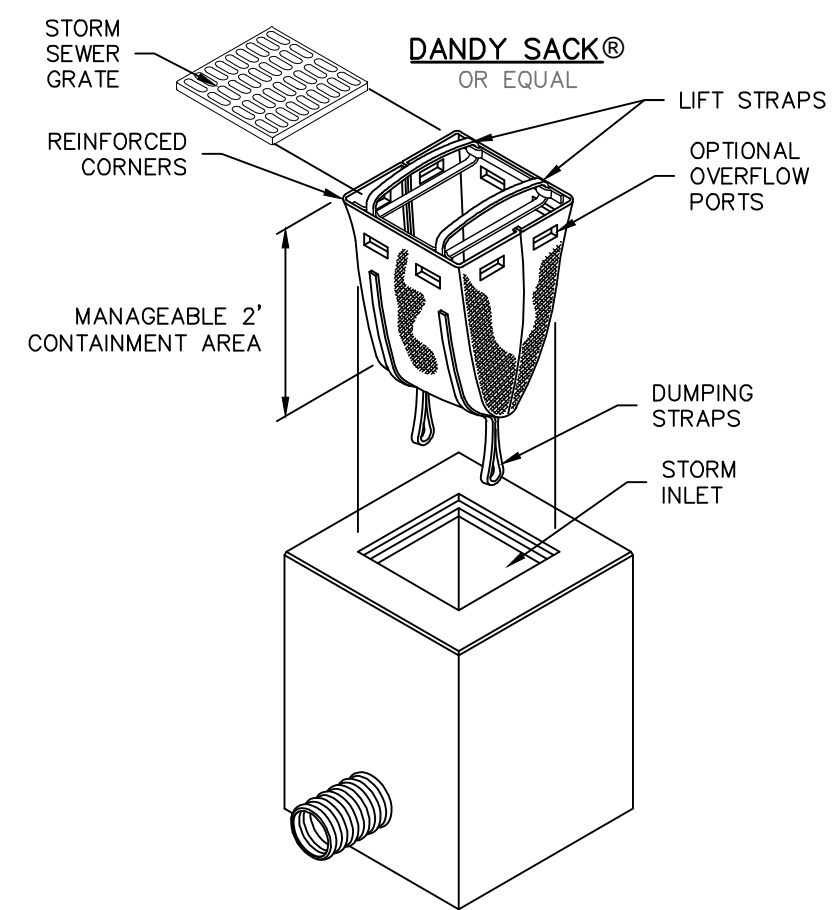
- Phase 1A** - INSTALL EROSION CONTROL SILT FENCE & STONE CONSTRUCTION ENTRANCE. CLEAR & GRUB. PROTECT INFILTRATION AREAS FROM CONSTRUCTION TRAFFIC AND RUNOFF. INSTALL DRAINAGE & UTILITIES. CONSTRUCT PROPOSED ROADWAY.
- Phase 1B** - INDIVIDUAL LOT CONSTRUCTION

Legend:

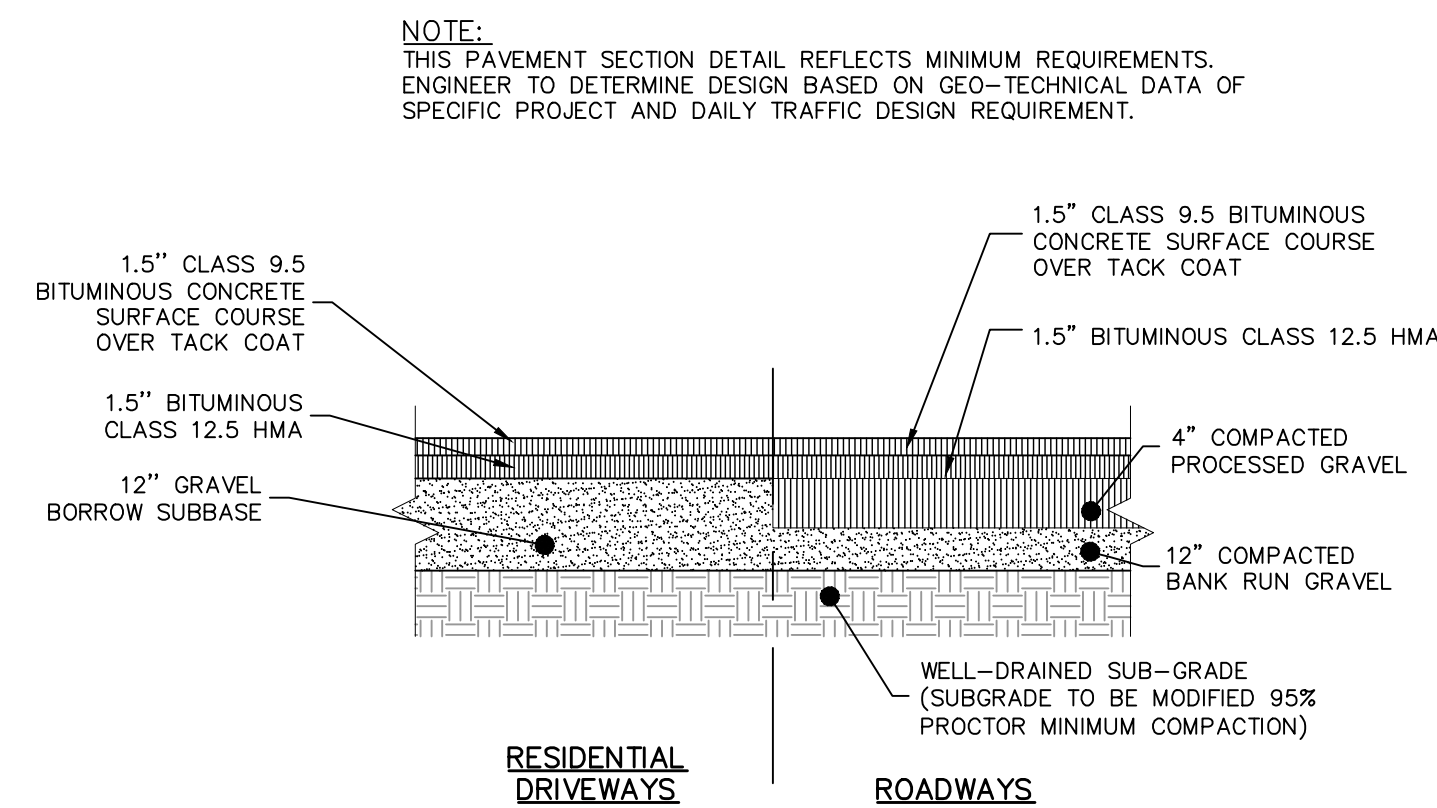
- EX MAJOR FOOT CONTOUR ——— 160 ———
- EX MINOR FOOT CONTOUR ——— 158 ———
- PR FOOT CONTOUR ——— (310) ———
- DRAIN LINE ——— [Symbol] ———
- SEWER LINE ——— S ——— S ———
- ROOF LEADER ——— RL ——— RL ———
- CATCH BASIN [Symbol]
- MANHOLE [Symbol]



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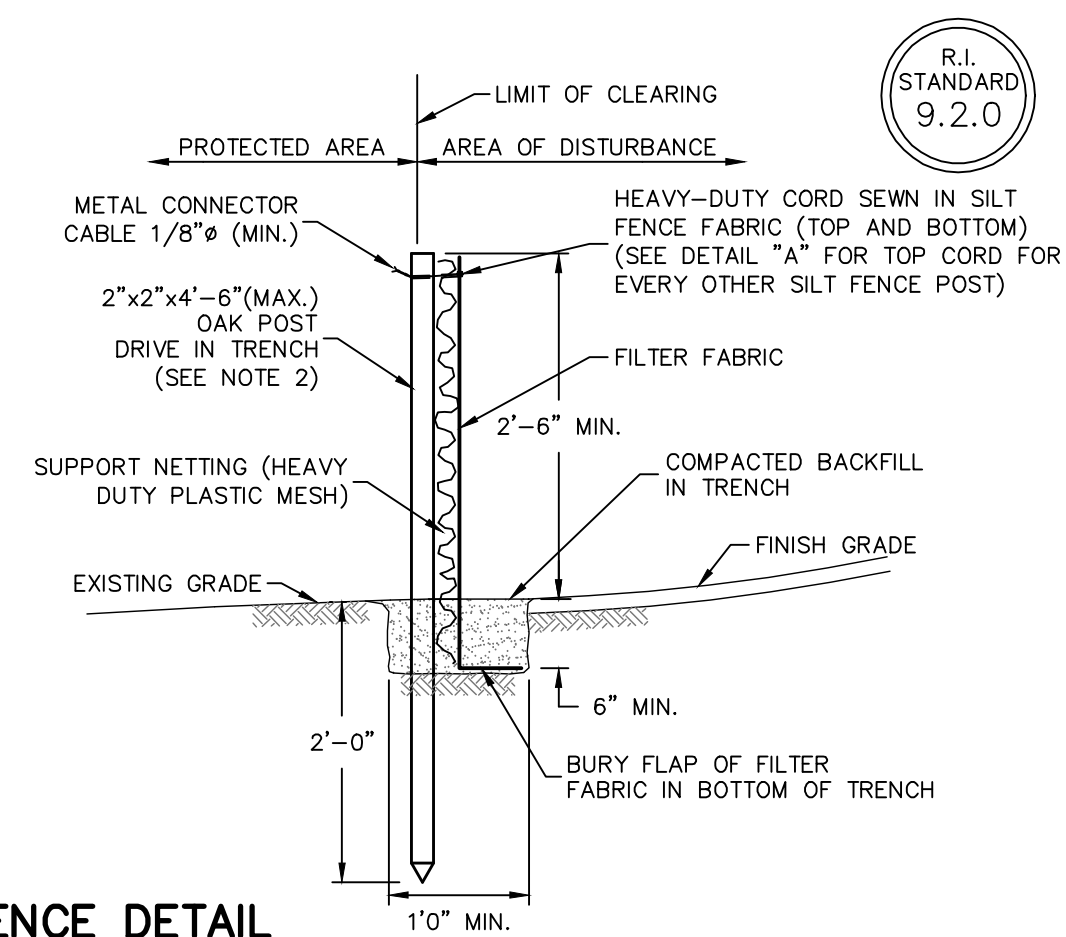
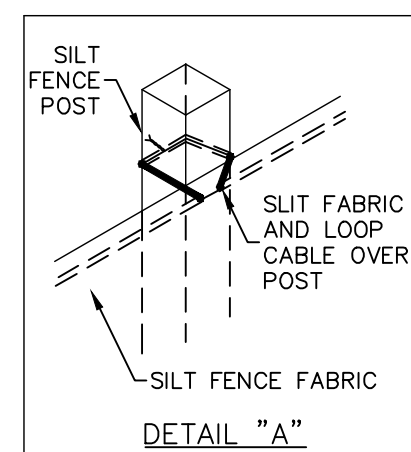


Inlet Sediment Control Devices
NOT TO SCALE

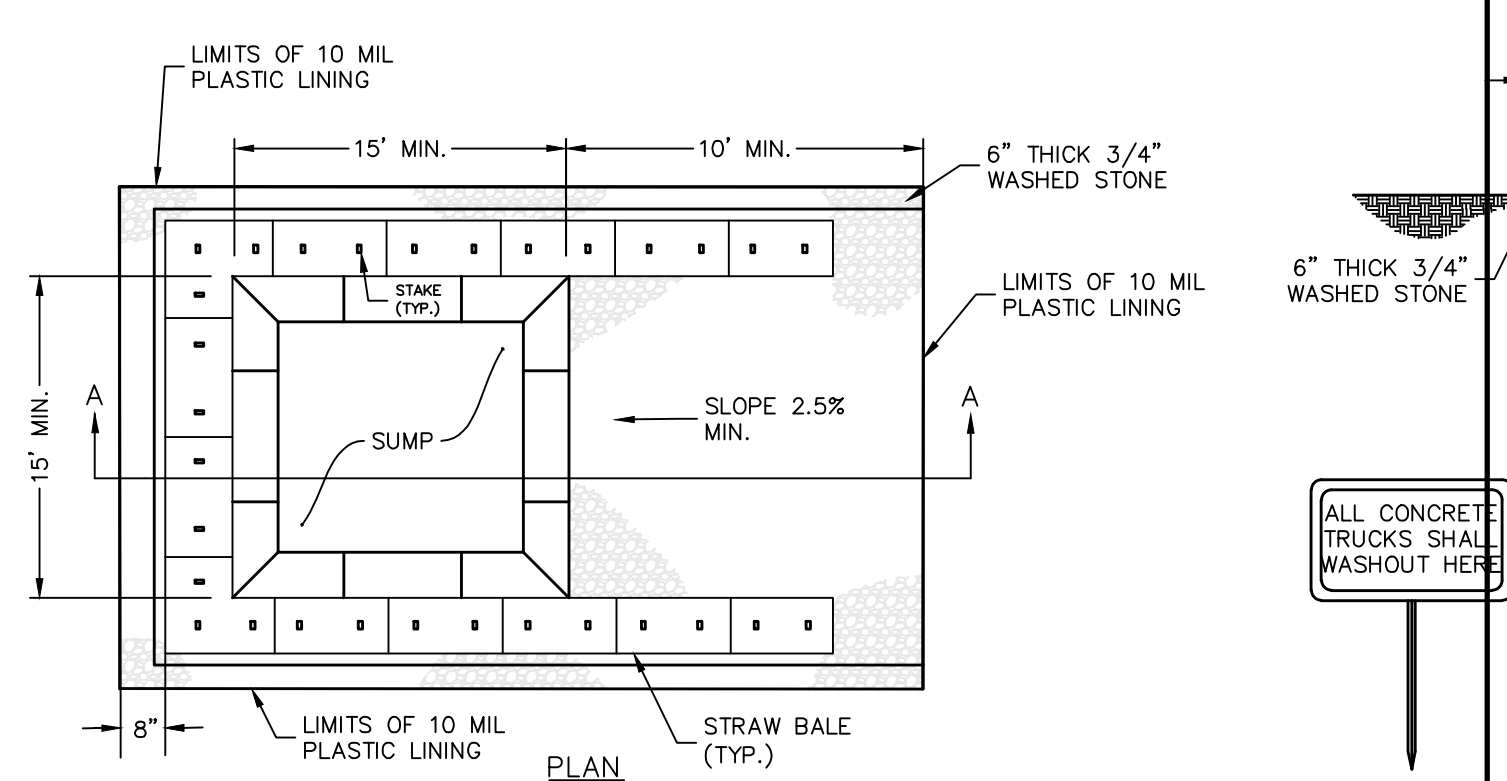


TYPICAL PAVEMENT SECTION
NOT TO SCALE

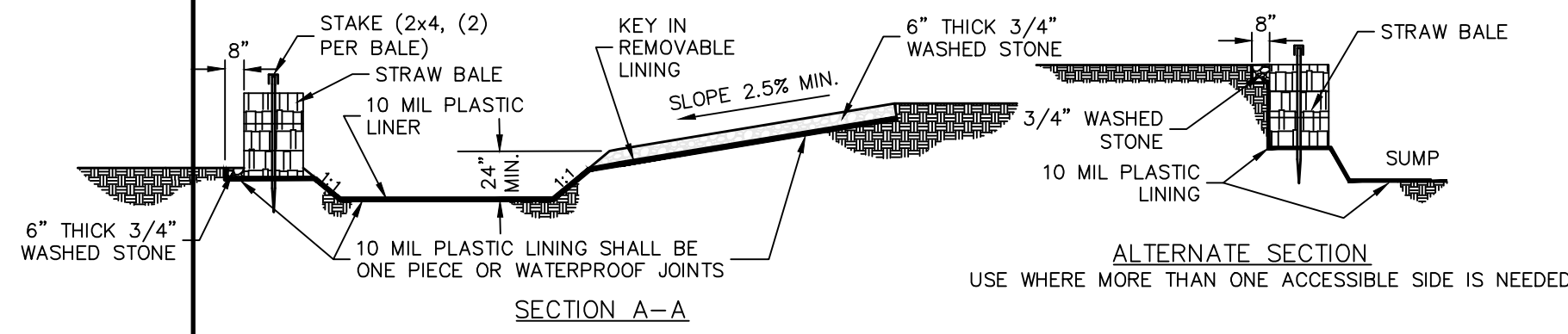
- NOTES:**
- SHALL BE IN ACCORDANCE WITH SECTION 206 OF THE R.I. STANDARD SPECIFICATIONS.
 - 2"x2"x4"-8" (MAX.) OAK POSTS FOR SILT FENCE SHALL BE LOCATED 8'-0" (MAX.) O.C. IN WETLAND AREAS AND 4'-0" (MAX.) O.C. IN WETLAND RAVINE, GULLY OR DROP-OFF AREAS AS SHOWN ON PLANS.
 - 1"x1"x4"-6" (MIN.) POSTS PERMITTED FOR PRE-FABRICATED SILT FENCE.
 - SILT FENCE SHALL BE INSTALLED BEFORE ANY GRUBBING OR EARTH EXCAVATION TAKES PLACE.



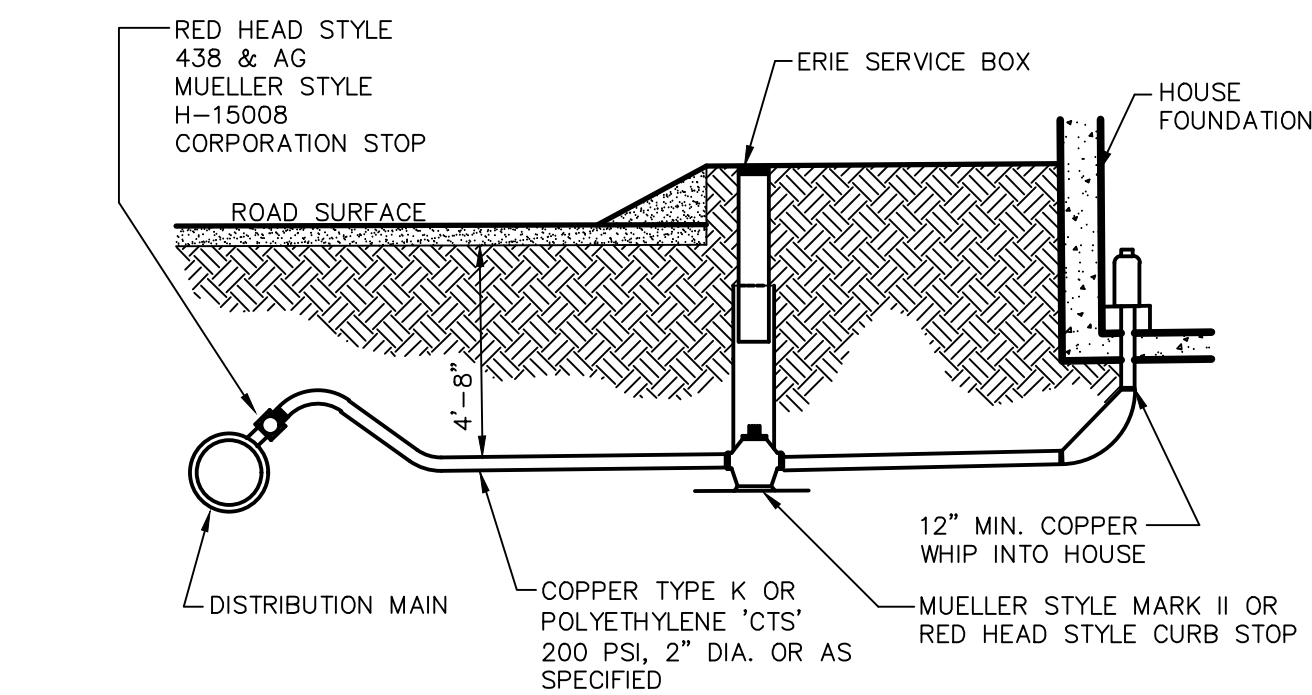
SILT FENCE DETAIL
NOT TO SCALE



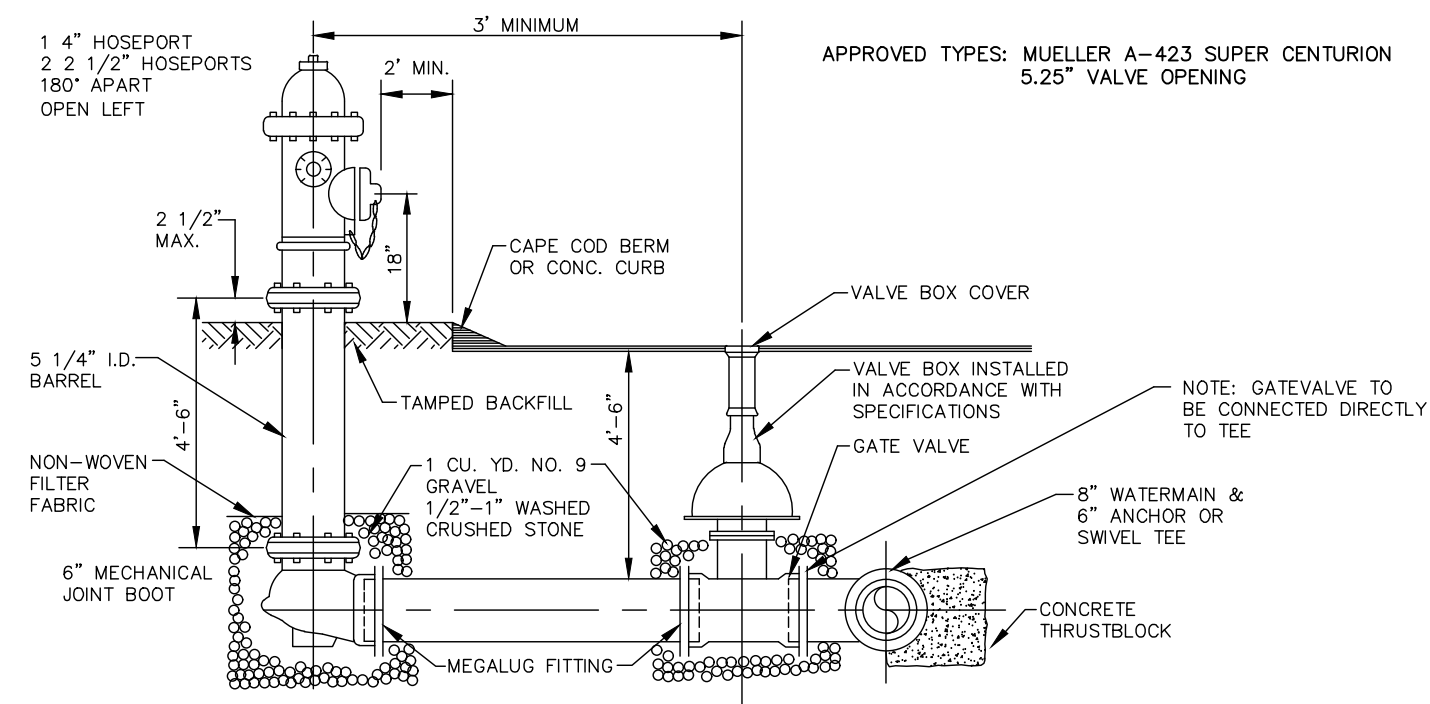
CONCRETE WASHOUT AREA
(NOT TO SCALE)



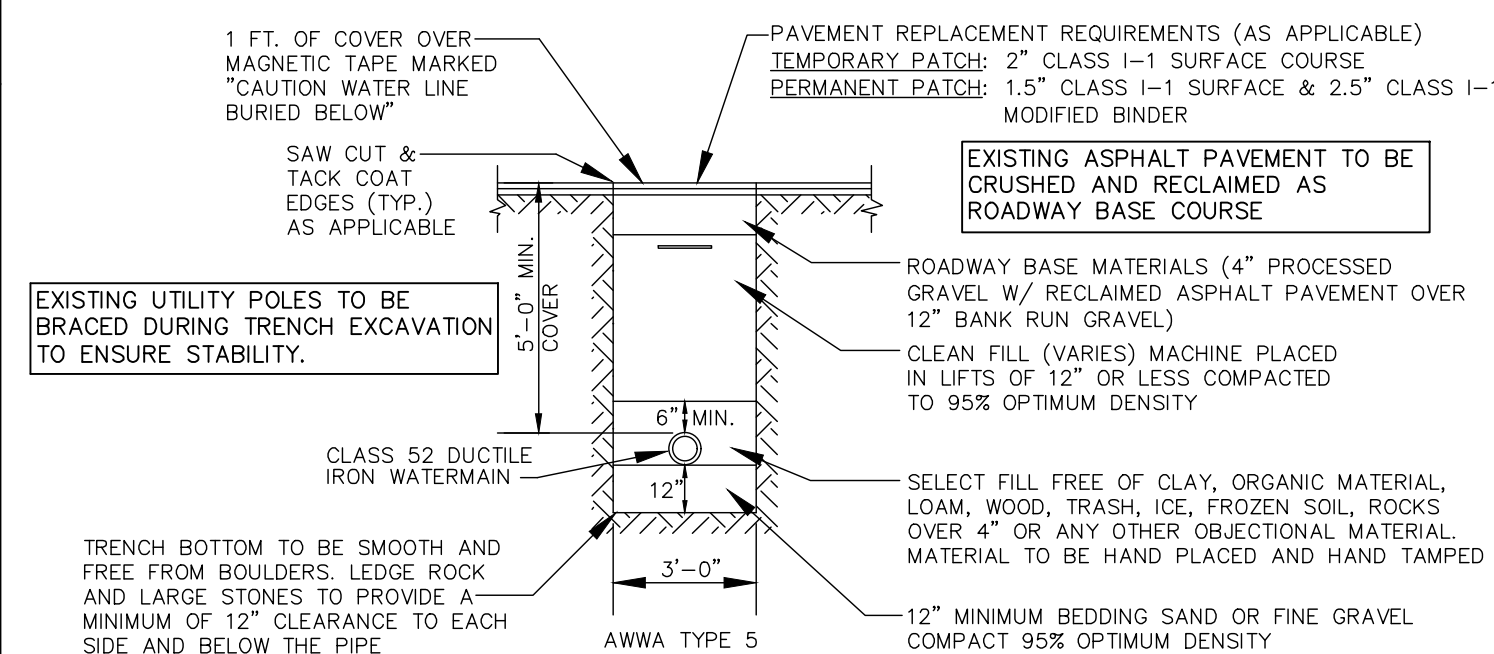
- NOTES:**
- PIT IS SPECIFICALLY DESIGNATED, DIKED AND IMPERVIOUS CONTAINMENT TO PREVENT CONTACT BETWEEN CONCRETE WASH AND STORMWATER.
 - WASH WATER SHALL NOT BE ALLOWED TO FLOW TO SURFACE WATER.
 - FACILITY MUST HOLD SUFFICIENT VOLUME TO CONTAIN CONCRETE WASTE WITH A MINIMUM FREEBOARD OF 12".
 - FACILITY SHALL NOT BE FILLED BEYOND 95% CAPACITY UNLESS A NEW FACILITY IS CONSTRUCTED.
 - SAW CUT PORTLAND CEMENT CONCRETE, RESIDUE FROM SAWCUT & GRINDING TO BE DISPOSED OF IN THE PIT.
 - CONCRETE WASHOUTS SHALL BE LOCATED A MINIMUM OF 100' FROM DRAINAGE WAYS, INLETS, & SURFACE WATERS.
 - MANUFACTURED CONCRETE WASHOUT DEVICES MAY BE USED IF REMOVED FROM THE SITE WHEN 95% FULL CAPACITY.



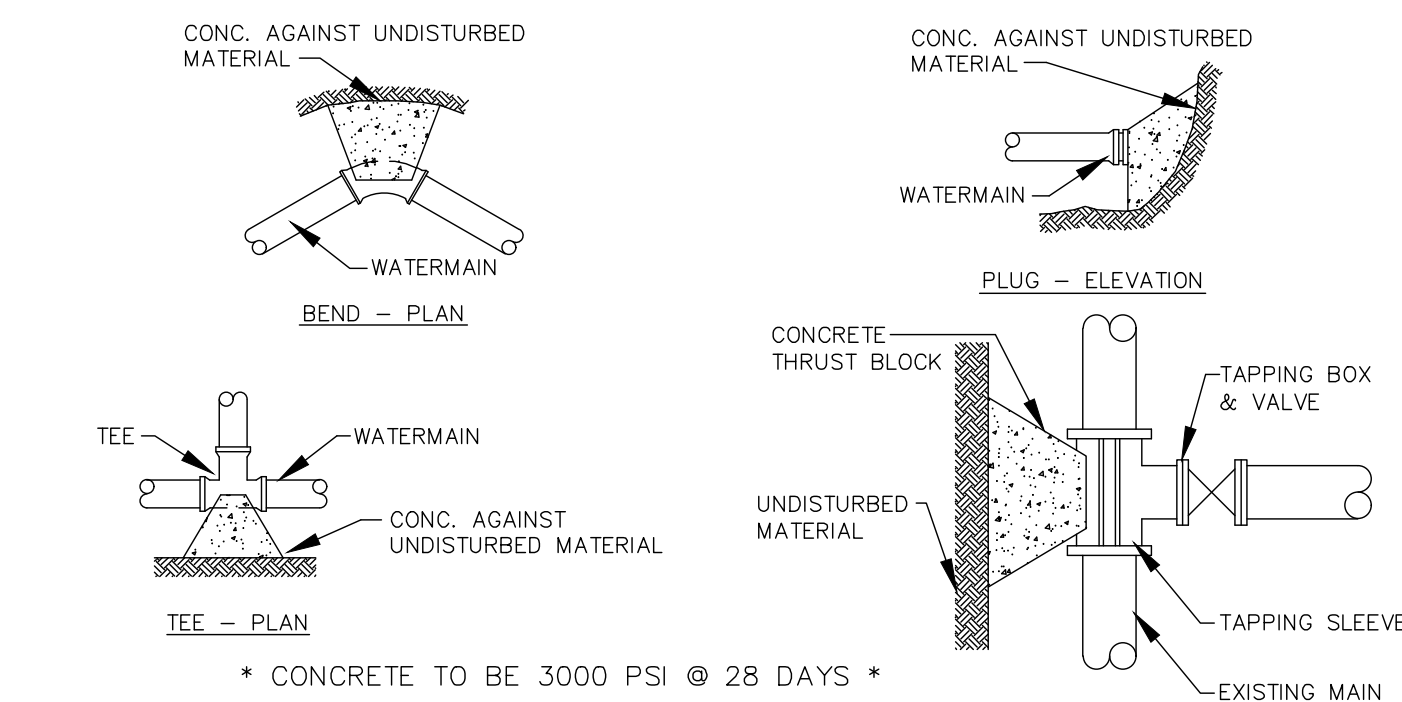
TYPICAL 2" OR SMALLER WATER SERVICE N.T.S.



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



WATER TRENCH DETAIL N.T.S.



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

THRUST BLOCK DETAILS N.T.S.

WATER NOTES

- ALL WORK AND MATERIAL OF WATER LINE SHALL BE IN ACCORDANCE WITH RULES AND REGULATIONS SET FORTH BY SUEZ WATER. INSTALLATION PROCEDURES AND MATERIALS TO CONFORM TO SUEZ WATER, 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 SUEZ WATER PRIOR TO BACKFILLING THE TRENCH.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING SUEZ WATER 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.
- JOINTING OF MECHANICAL AND PUSH ON TYPE JOINTS SHALL BE PERFORMED IN STRICT ACCORDANCE WITH AWWA STANDARD C-600, SUEZ WATER 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, SUEZ WATER, AND SOUTH KINGSTOWN SPECIFICATIONS.
- VALVES USED SHALL BE IN ACCORDANCE WITH AWWA C-500 SERIES, SUEZ WATER, AND THE TOWN OF SOUTH KINGSTOWN REGULATIONS. VALVES SHALL BE MECHANICAL JOINT, DOUBLE DISC PARALLEL SEAT OR RESILIENT SEAT GATE STYLES AS FOLLOWS:
 - MUELLER CORPORATION STOP DOUBLE DISC PARALLEL SEAT.
 - AMERICAN DARLING VALVE RESILIENT MODEL CRS-80.
- BLOW-OFF ASSEMBLIES SHALL BE INSTALLED IN ACCORDANCE WITH AWWA C-800 SERIES, SUEZ WATER, AND THE TOWN OF SOUTH KINGSTOWN.
- FIRE HYDRANTS SHALL BE INSTALLED IN ACCORDANCE WITH MUELLER A421, AWWA C-502 "DRY BARREL FIRE HYDRANTS", SUEZ WATER, AND TOWN SPECIFICATIONS.
- HYDROSTATIC AND LEAKAGE TESTS SHALL BE PERFORMED ON ALL COMPLETED SECTIONS OF NEWLY INSTALLED PIPELINE IN ACCORDANCE WITH AWWA C-600, SUEZ WATER, AND TOWN SPECIFICATIONS.
- ALL PIPE SHALL BE DISINFECTED PRIOR TO BEING ACTIVATED IN ACCORDANCE WITH AWWA B-300, AWWA C-601, SUEZ WATER, 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 MAIN EXTENSION.

LEAKAGE AND PRESSURE TESTING FOR WATERMANS

- GENERAL HYDROSTATIC AND LEAKAGE TESTS SHALL BE PERFORMED ON ALL COMPLETED SECTIONS OF NEWLY INSTALLED WATERMAIN PIPELINE IN ACCORDANCE WITH AWWA C600, THE TOWN OF SOUTH KINGSTOWN, AND AS SPECIFIED BELOW.
- THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL LABOR, TOOLS AND EQUIPMENT NECESSARY FOR TESTING.
- 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. WATERMANS - DISINFECTION STEP

ALL STORM WATER, DRAINAGE AND SANITARY SEWER SHOP DRAWINGS SHALL BE SUBMITTED TO SOUTH KINGSTOWN PUBLIC SERVICES DEPARTMENT FOR APPROVAL PRIOR TO INSTALLATION AND ALL SHOP DRAWINGS RELATIVE TO THE WATER DISTRIBUTION SYSTEM SHALL REQUIRE UNITED WATER APPROVAL PRIOR TO INSTALLATION.

Diprete Engineering
Two Stafford Court Cranston, RI 02920
tel 401-943-1000 fax 401-641-6006 www.diprete-eng.com

Boston • Providence • Newport

DAVID A. RUSSO
No. 12345
REGISTERED PROFESSIONAL ENGINEER CIVIL

Scale: 1" = 10'-0"
Date: 4/6/2021
Description: Watermain Installation
Drawn By: SEK
Designed by: BGC

Detail Sheet - 1

Magnolia Lane Development
Accession: 884, 574, Lot 131
South Kingstown, Rhode Island

Prepared for:
J Thomas Investments, LLC
697 Moonstone Beach Road
South Kingstown, RI 02879
Tel (401) 741-2569

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