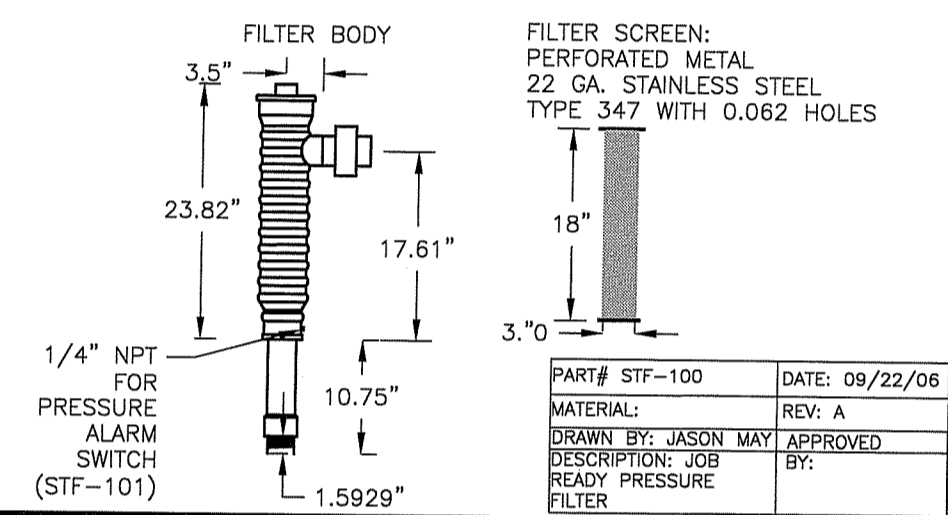


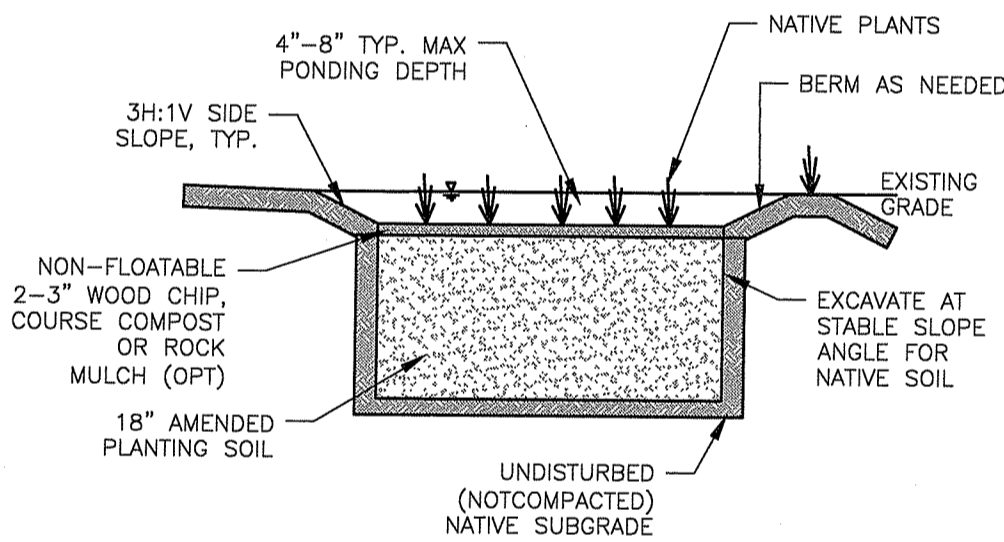
**PUMP CHAMBER**

NTS CA-0-07B



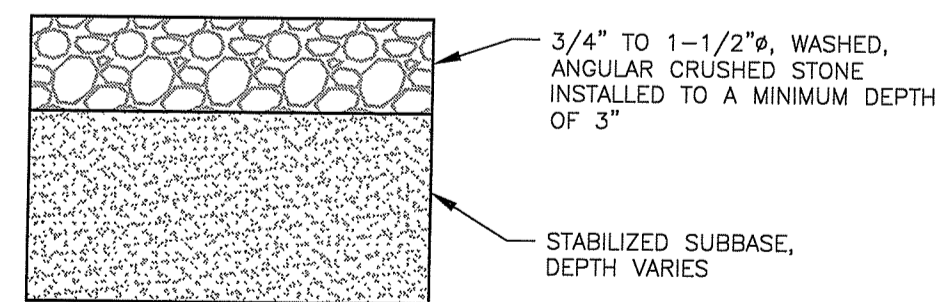
**FILTER DETAILS**

NTS CA-0-03D



**RAIN GARDEN**

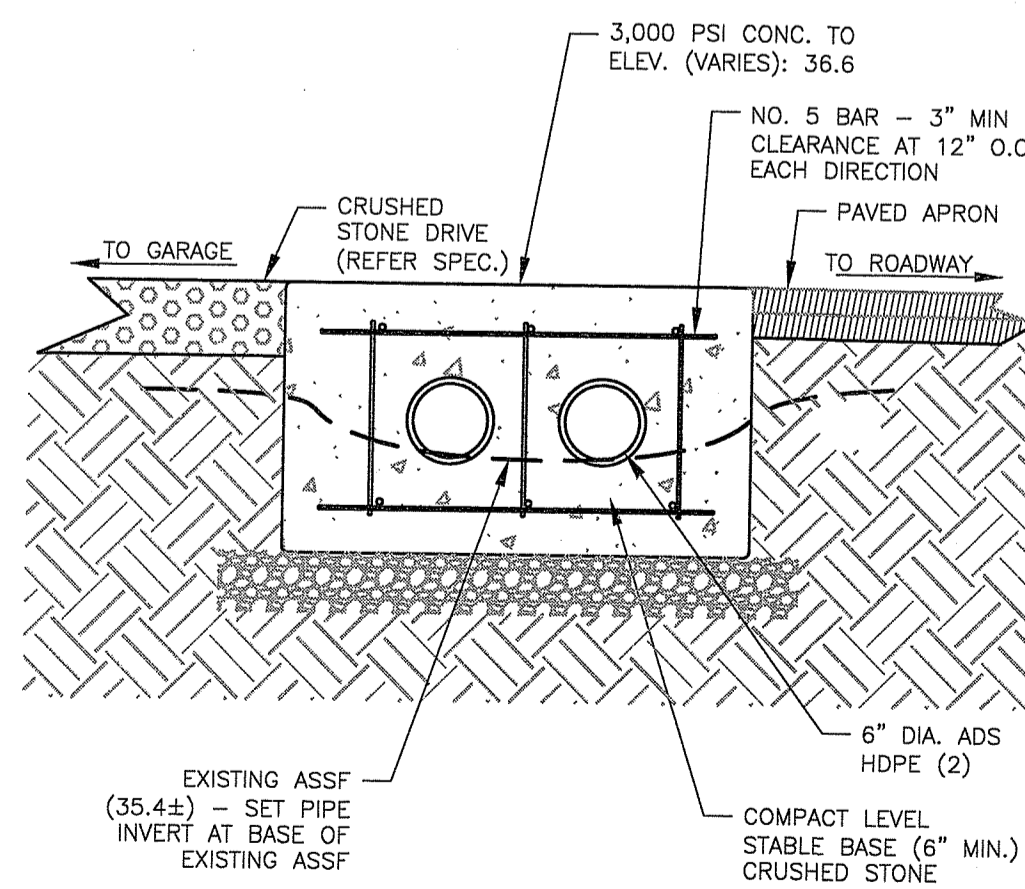
NTS CA-D-01B



- NOTES:**
- THE GRADE OF THE FINISHED DRIVEWAY SHALL NOT BE HIGHER THAN THE ADJACENT GROUND ELEVATION.
  - CRUSHED STONE SHALL BE REPLACED OR RE-GRADED AS NECESSARY TO MAINTAIN A MINIMUM 3 INCH DEPTH OF STONE AND A LEVEL SURFACE.
  - STRUCTURAL STRENGTH OF THE DRIVE HAS NOT BEEN DESIGNED. STRUCTURAL STRENGTH OF THE DRIVE TO SUPPORT VEHICLES SHALL BE VERIFIED BY OTHERS.

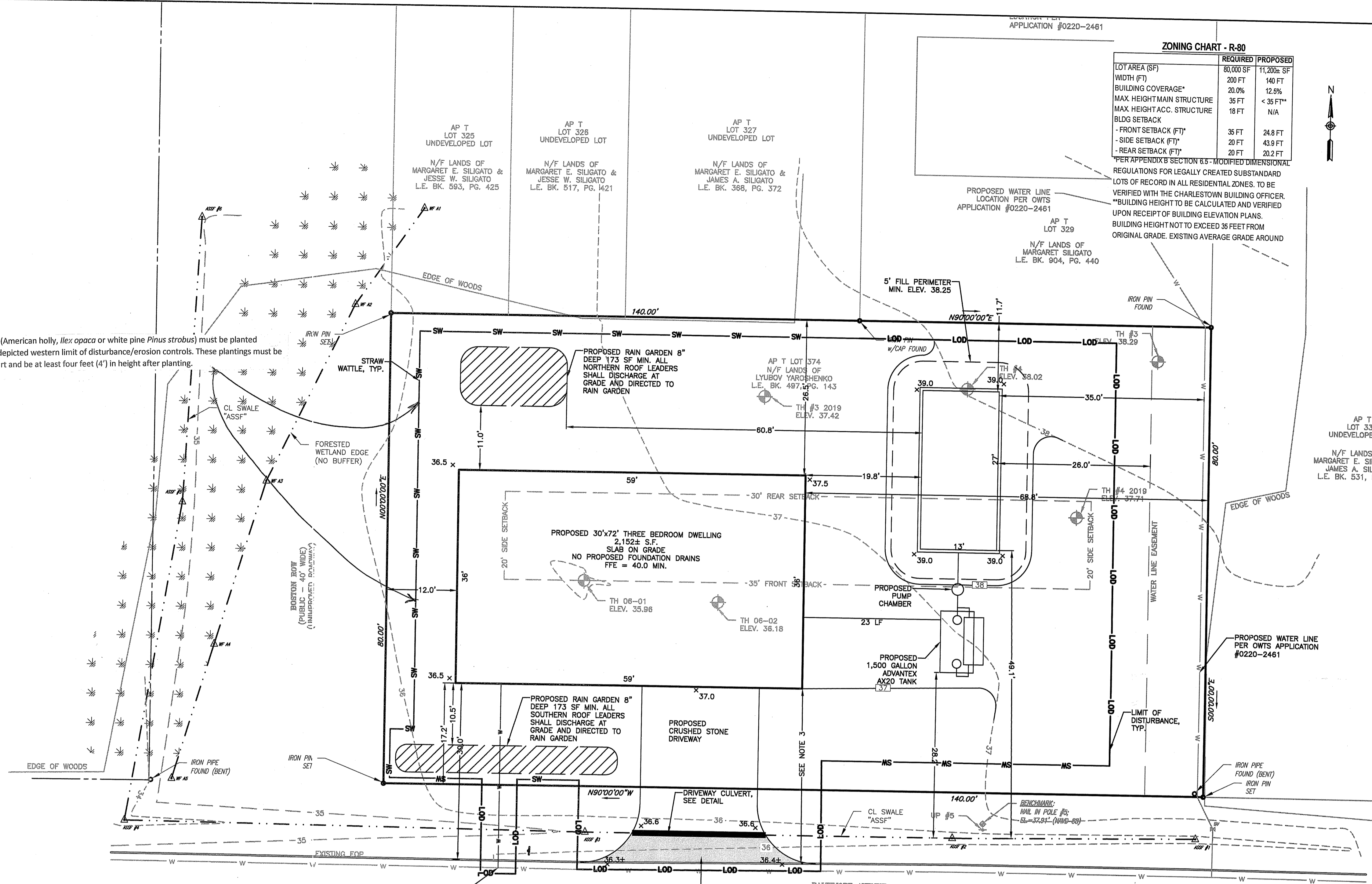
**CRUSHED STONE DRIVEWAY**

NTS CA-RD-007



**CULVERT DETAIL AT DRIVEWAY AND ASSF CROSSING**

NTS



APPLICATION # 0620-0944  
DATE OF TEST HOLE: 8/9/2019  
SOIL EVALUATOR: DAVID KALEN

TEST HOLE # 3					TEST HOLE # 4				
ELEVATION OF TEST HOLE = 38.29					ELEVATION OF TEST HOLE = 38.02				
DEPTH TO GWT = 13"					DEPTH TO GWT = 13"				
GROUNDWATER ELEV. = 37.21					GROUNDWATER ELEV. = 36.94				
LEDGE ENCOUNTERED: NO					LEDGE ENCOUNTERED: NO				
HORIZON	DEPTH	TEXTURE	SOIL CATEGORY		HORIZON	DEPTH	TEXTURE	SOIL CATEGORY	
Ap	0-10	SL	3		Ap	0-10	SL	3	
Bw1	10-13	SIL	5		Bw1	10-13	SIL	5	
Bw2	13-21	SIL	5		Bw2	13-20	SIL	5	
Bc	21-25	SIL	7		Bc	20-25	SIL	7	
Cd	25-96	SIL	9		Cd	25-96	SIL	9	

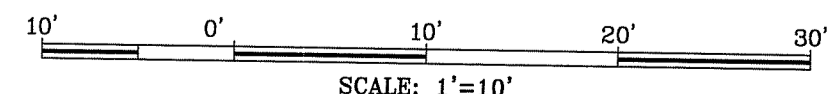
APPLICATION # 0620-0944  
DATE OF TEST HOLE: 6/6/2006  
SOIL EVALUATOR: DAVID DURANLEAU

TEST HOLE # 06-01					TEST HOLE # 06-02				
ELEVATION OF TEST HOLE = 35.96					ELEVATION OF TEST HOLE = 36.18				
DEPTH TO GWT = 10"					DEPTH TO GWT = 10"				
GROUNDWATER ELEV. = 35.13					GROUNDWATER ELEV. = 35.35				
LEDGE ENCOUNTERED: NO					LEDGE ENCOUNTERED: NO				
HORIZON	DEPTH	TEXTURE	SOIL CATEGORY		HORIZON	DEPTH	TEXTURE	SOIL CATEGORY	
Ap	0-10	SIL	4		Ap	0-10	SIL	4	
Bw1	10-24	SIL	4		Bw1	10-20	SIL	4	
Bw2	24-48	SIL	4		Bw2	20-48	SIL	4	
Cd	48-84+	SIL	9		Cd	48-72+	SIL	9	

APPLICATION # 1920-1373  
DATE OF TEST HOLE: 10/30/2019  
SOIL EVALUATOR: BRANDON FANEUF

TEST HOLE # 3 2019					TEST HOLE # 4 2019				
ELEVATION OF TEST HOLE = 37.42					ELEVATION OF TEST HOLE = 37.71				
DEPTH TO GWT = 12"					DEPTH TO GWT = 14"				
GROUNDWATER ELEV. = 36.42					GROUNDWATER ELEV. = 36.54				
LEDGE ENCOUNTERED: NO					LEDGE ENCOUNTERED: NO				
HORIZON	DEPTH	TEXTURE	SOIL CATEGORY		HORIZON	DEPTH	TEXTURE	SOIL CATEGORY	
Ap	0-12	FSL	4		Ap	0-14	FSL	4	
C	12-18	SIL	6		C	14-18	SIL	6	
Cd	18-96	SIL	9		Cd	18-96	SIL	9	

- NOTES:**
- ALL SURFACE WATER SHALL BE DIVERTED AWAY FROM THE HOUSE AND LEACHFIELD.
  - PROPERTY LINES AND EXISTING TOPOGRAPHIC MAPPING INFORMATION FROM PLANS ENTITLED "BOUNDARY & TOPOGRAPHIC SURVEY" PREPARED BY NARRAGANSETT ENGINEERING INC., DATED OCTOBER 12, 2018.
  - VERIFICATION OF AVERAGE FRONT SETBACK FOR ABUTTING PROPERTIES MAY YIELD REDUCTION OF FRONT SETBACK. APPLICANT IS REQUIRED TO VERIFY THIS ALLOWANCE. ZONING VARIANCE(S) WILL BE REQUIRED FROM THE TOWN OF NARRAGANSETT TO BUILD AS SHOWN.
  - RAIN GARDENS SIZED TO MEET RI STORMWATER MANAGEMENT GUIDANCE FOR INDIVIDUAL SINGLE FAMILY LOT DEVELOPMENT ONLY. ADDITIONAL STORMWATER MANAGEMENT MAY BE REQUIRED TO MEET TOWN STANDARDS.
  - PRIOR TO APPLICATION OF BUILDING PERMIT, THE STORMWATER DESIGN AND CALCULATIONS SHALL BE REVISED TO ACCOMMODATE REQUIREMENTS FOR TOWN OF NARRAGANSETT STORMWATER ORDINANCE SECTION 7.7 AND MEET STATE MINIMUM SEPARATING SETBACK DISTANCES.



**ZONING CHART - R-80**

LOT AREA (SF)	REQUIRED	PROPOSED
80,000 SF	11,200 SF	11,200 SF
WIDTH (FT)	200 FT	140 FT
BUILDING COVERAGE*	20.0%	12.5%
MAX HEIGHT MAIN STRUCTURE	35 FT	< 35 FT**
MAX HEIGHT ACC. STRUCTURE	18 FT	N/A
BLOG SETBACK		
- FRONT SETBACK (FT)*	35 FT	24.8 FT
- SIDE SETBACK (FT)*	20 FT	23.2 FT
- REAR SETBACK (FT)*	20 FT	20 FT

\*PER APPENDIX B SECTION 5.5 - MODIFIED DIMENSIONAL REGULATIONS FOR LEGALLY CREATED SUBSTANDARD LOTS OF RECORD IN ALL RESIDENTIAL ZONES. TO BE VERIFIED WITH THE CHARLESTOWN BUILDING OFFICER.  
\*\*BUILDING HEIGHT TO BE CALCULATED AND VERIFIED UPON RECEIPT OF BUILDING ELEVATION PLANS.  
BUILDING HEIGHT NOT TO EXCEED 35 FEET FROM ORIGINAL GRADE. EXISTING AVERAGE GRADE AROUND

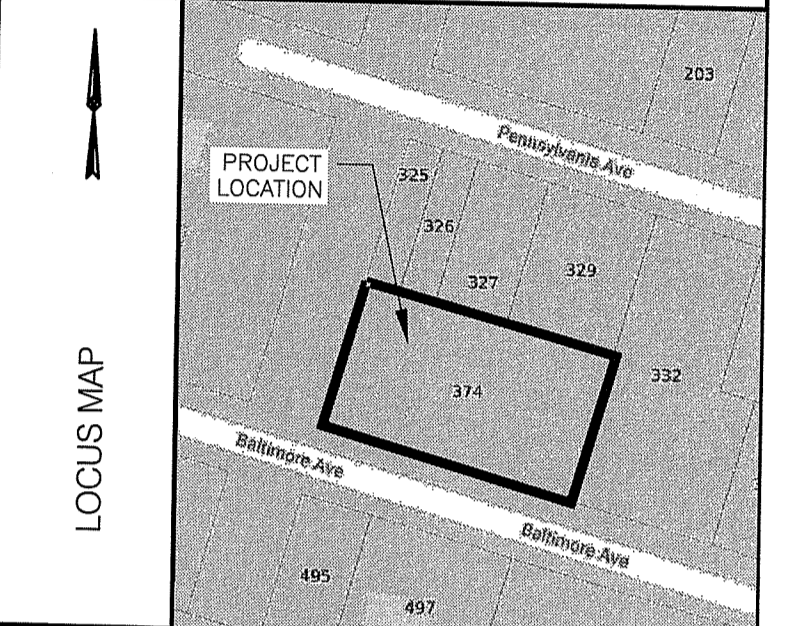
**CHERENZIA & ASSOCIATES, LTD.**  
Civil Engineers  
Land Use Planners  
Environmental Engineers

99 Mechanic St.  
Warrenton, OR 97146  
Tel: 503.862.6500  
Fax: 503.862.6509

P.O. Box 513  
Warrenton, OR 97146  
Tel: 503.862.6500  
Fax: 503.862.6509

www.cherenzia.com

**NEI Narragansett Engineering Inc.**  
Civil - Survey - Structural - Environmental - Design  
3102 East Main Road, Portsmouth RI 02871  
Tel. 401.683.6630 www.nei-ods.com



**VARIANCES REQUIRED TO OWS REGULATIONS:**

RULE 6.3.3.E - DEPTH TO GROUNDWATER FROM ORIGINAL GROUND SURFACE - THE LEACHFIELD SHALL BE LOCATED IN AN AREA WHERE THE SEASONAL HIGH GROUNDWATER TABLE IS A MINIMUM OF TWO (2) FEET BELOW THE ORIGINAL GROUND SURFACE. ON LOTS 20,000 SQUARE FEET OR LARGER THAT ARE NOT LOCATED IN THE SALT POND OR NARROW RIVER CRITICAL RESOURCE AREA AS DEFINED IN SECTION 6.4.2 OF THIS PART, THE LEACHFIELD MAY BE LOCATED IN AN AREA WHERE THE SEASONAL HIGH GROUNDWATER TABLE IS LESS THAN TWENTY-FOUR (24) INCHES BUT GREATER THAN OR EQUAL TO EIGHTEEN (18) INCHES FROM THE ORIGINAL GROUND SURFACE IF THE OWS UTILIZES A BOTTOMLESS SAND FILTER IN ACCORDANCE WITH 6.3.7 OF THIS PART, THE APPLICANT HAS NO VARIANCE REQUESTS PURSUANT TO 6.51 OF THIS PART, AND THE DESIGN FLOW IS LESS THAN OR EQUAL TO SIX HUNDRED NINETY (690) GALLONS PER DAY OF RESIDENTIAL STRENGTH WASTEWATER.

PROPOSED: 13" DEPTH TO GROUNDWATER. PROPOSED FLOW = 345 GPD

**PLAN REVISIONS**

REV. NO.	DATE	DESCRIPTION	OWN BY	CHK BY
1	10/01/19	RIDEM OWS RESPONSE TO COMMENTS	RAY	SFC
2	03/27/20	RIDEM FWV RESPONSE TO COMMENTS	RAY	SFC

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

SCALE: 1"=10'  
CA JOB # 218039-13  
AUGUST 21, 2019

DRAWN BY: RAY  
CHECK BY: SFC

**ISSUED FOR PERMITTING**

**SITE PLAN**

**YAROSHENKO RESIDENCE**  
BALTIMORE AVENUE  
NARRAGANSETT, RI 02882  
ID: T-374

PREPARED FOR  
**NARRAGANSETT ENGINEERING INC.**

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED APR 10 2020 FILE # 19-0342  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

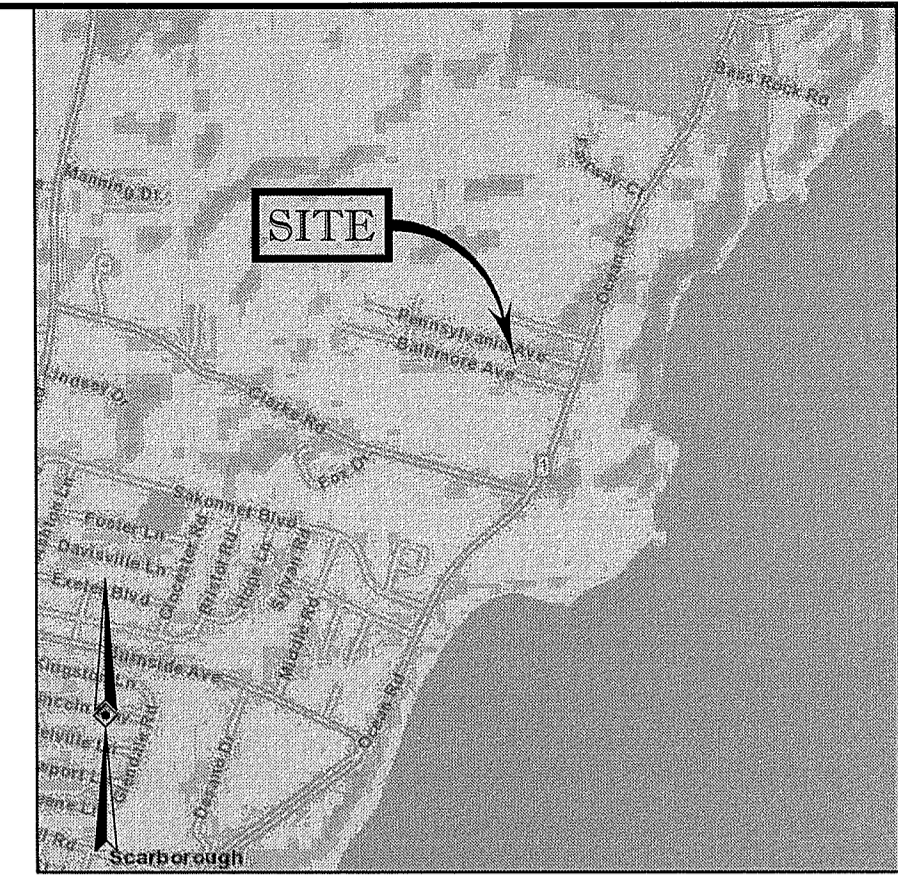
**SERGIO F. CHERENZIA**  
No. 9238  
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

**C-1**

SHEET 1 OF 2

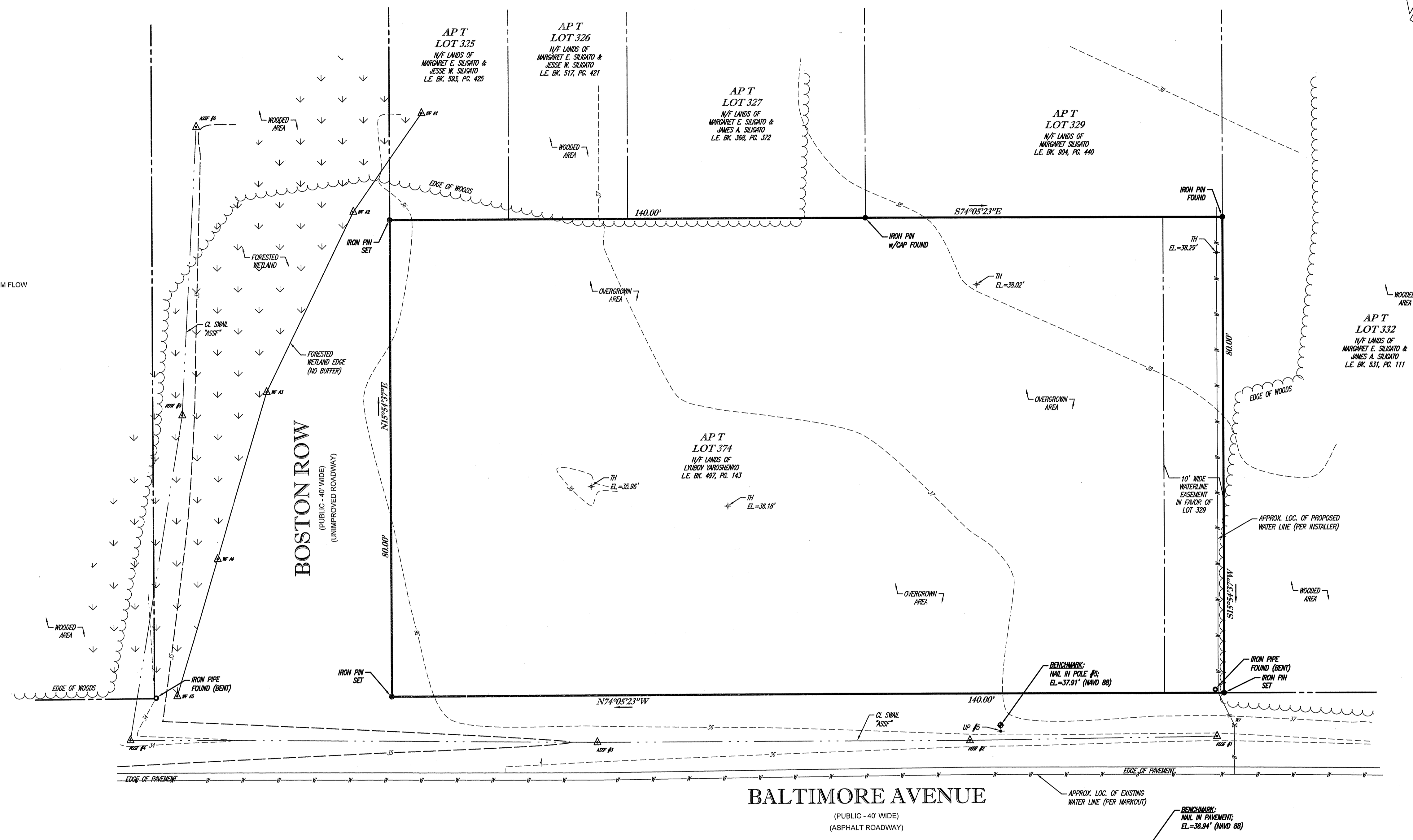
**CHERENZIA & ASSOCIATES, LTD.**





LOCUS MAP  
© 2013 ESRI WORLD STREET MAPS

- LEGEND**
- 124 --- EXISTING CONTOUR
  - 122 --- EXISTING CONTOUR
  - WV WATER VALVE
  - UP UTILITY POLE
  - SIGN
  - △ DELINEATION FLAG
  - L.E. BK. LAND EVIDENCE BOOK
  - P.C. PAGE
  - WF WETLAND FLAG
  - ASSF AREA SUBJECT TO STORM FLOW
  - TH TEST HOLE
  - EL. ELEVATION
  - CL CENTER LINE



- NOTES:**
- PROPERTY KNOWN AS LOT 374 ON THE TOWN OF NARRAGANSETT, WASHINGTON COUNTY, STATE OF RHODE ISLAND TAX ASSESSORS MAP T.
  - AREA = 11,200 SQUARE FEET OR 0.257 ACRES.
  - UNDERGROUND UTILITIES HAVE NOT BEEN SHOWN. BEFORE ANY SITE EVALUATION, PREPARATION OF DESIGN DOCUMENTS OR EXCAVATION IS TO BEGIN, THE LOCATION OF UNDERGROUND UTILITIES SHOULD BE VERIFIED BY THE PROPER UTILITY COMPANIES.
  - THIS PLAN IS BASED ON INFORMATION PROVIDED BY A SURVEY PREPARED IN THE FIELD BY SARDELLI SURVEY, LLC AND OTHER REFERENCE MATERIAL AS LISTED HEREON.
  - THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND IS SUBJECT TO THE RESTRICTIONS, COVENANTS AND/OR EASEMENTS THAT MAY BE CONTAINED THEREIN.
  - BY GRAPHIC PLOTTING ONLY PROPERTY IS LOCATED IN FLOOD HAZARD ZONE X (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) PER REF. #2.
  - ELEVATIONS REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), BASED ON GPS OBSERVATIONS UTILIZING THE MADOT VRS NETWORK.
  - THE OFFSETS SHOWN ARE NOT TO BE USED FOR THE CONSTRUCTION OF ANY STRUCTURE, FENCE, PERMANENT ADDITION, ETC.

- REFERENCES:**
- THE TAX ASSESSOR'S MAP OF THE TOWN OF NARRAGANSETT, WASHINGTON COUNTY, STATE OF RHODE ISLAND, SHEET T.
  - MAP ENTITLED "NATIONAL FLOOD INSURANCE PROGRAM, FIRM, FLOOD INSURANCE RATE MAP, WASHINGTON COUNTY, RHODE ISLAND (ALL JURISDICTIONS), PANEL 214," MAP NUMBER 44006C0214J, EFFECTIVE DATE: OCTOBER 16, 2013.
  - MAP ENTITLED "OCEAN VIEW PLAT, NARRAGANSETT PIER, R.I., BELONGING TO THE ATLANTIC LAND TRUST," PREPARED BY J.A. LATHAM AND SON, DATED JUNE 1918, FILED IN THE TOWN OF NARRAGANSETT AS LAND EVIDENCE BOOK 8, PAGE 233.

**ZONING INFORMATION**  
R40 (RESIDENTIAL) DISTRICT  
SOURCE: TOWN OF NARRAGANSETT

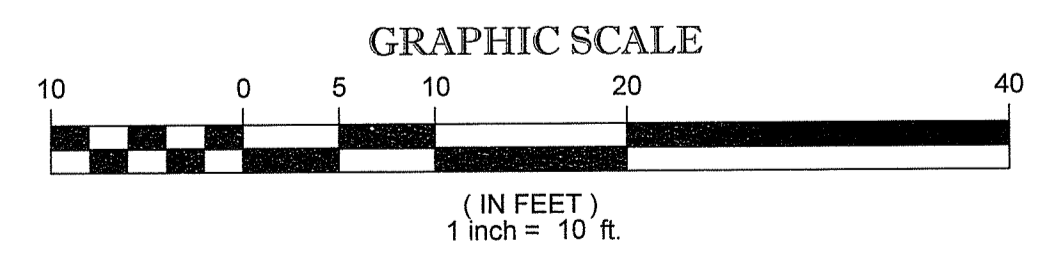
ITEMS	REQUIRED
MIN LOT AREA	40,000 SQ. FT.
MIN FRONTAGE	150'
MIN FRONT YARD	40'
MIN SIDE YARD	35'
MIN REAR YARD	80'
MAX BUILDING HEIGHT	35'
MAX LOT COVERAGE	15%

NOTE: ZONING CRITERIA IDENTIFIED HEREON ARE BASED UPON PRELIMINARY RESEARCH AND PRESENTED FOR REFERENCE ONLY. SAME MUST BE CONFIRMED WITH LOCAL ZONING OFFICIAL AND LEGAL COUNSEL TO CONFIRM VALIDITY.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED: APR 10 2020 FILE: 19-0342  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED FOR CONSTRUCTION SITE

- STREET INDEX:**
- BALTIMORE AVENUE
  - BOSTON ROW

THE PURPOSE OF THIS SURVEY IS TO SHOW THE EXISTING SITE FEATURES RELATIVE TO THE PROPERTY BOUNDARY LINES.



THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO SECTION 9 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON NOVEMBER 29, 2016.

COMPREHENSIVE BOUNDARY SURVEY  
HORIZONTAL ACCURACY: CLASS 1 (1:10,000)  
VERTICAL ACCURACY: T-1

NOT A VALID ORIGINAL DOCUMENT UNLESS EMBOSSED WITH RAISED IMPRESSION OR STAMPED WITH A BLACK INK SEAL.

**JAMIE L. SARDELLI**  
RHODE ISLAND PROFESSIONAL LAND SURVEYOR #2505, COA #710



FIELD DATE	10-3-18	<b>BOUNDARY &amp; TOPOGRAPHIC SURVEY</b>
FIELD BOOK NO.	-	
FIELD BOOK PG.	-	<b>LYUBOV YAROSHENKO</b>
FIELD CREW	J.L.S.	BALTIMORE AVENUE
DRAWN	J.L.S.	A.P. T. LOT 374-380
REVIEWED	J.L.S.	TOWN OF NARRAGANSETT
APPROVED	J.L.S.	STATE OF RHODE ISLAND
DATE	10-12-18	MAILING: P.O. BOX 1017
SCALE	1"=10'	PHYSICAL: 122 NARROW LANE
FILE NO.	SS18083	CHARLESTOWN, RI 02813
DWG. NO.	1 OF 1	OFFICE - (401)213-6266

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