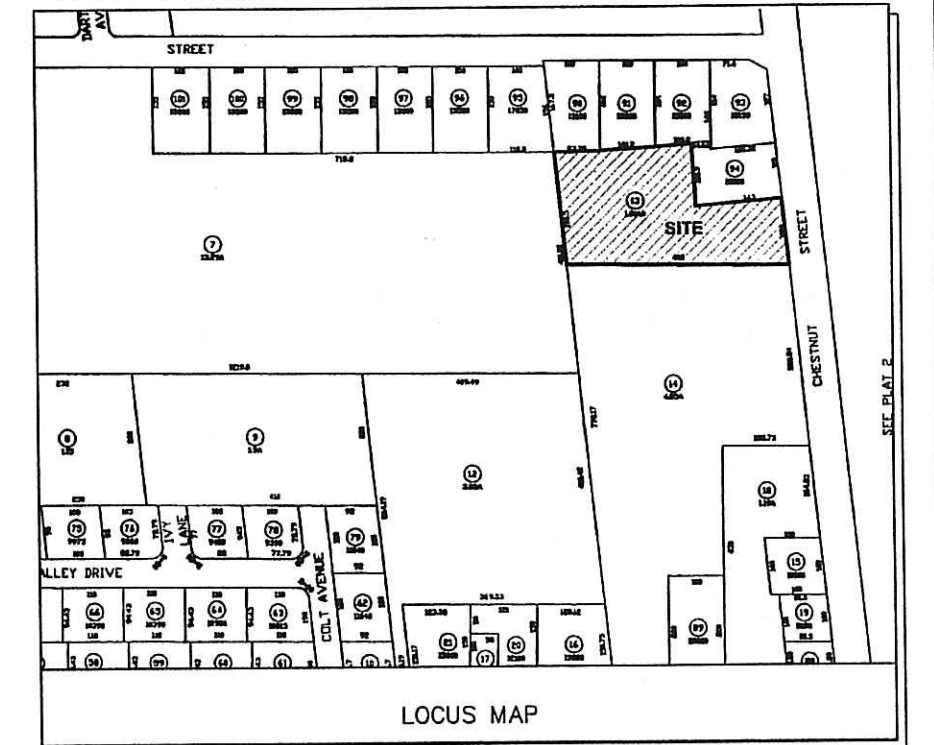


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MARINE

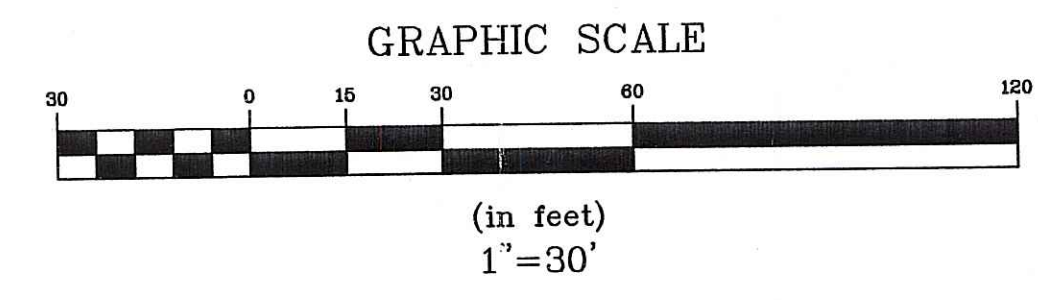
LEGEND	
	PROPERTY LINE
	ABUTTERS' LINE
	SETBACKS
	STREAM
	EXISTING CONTOURS
	100 YEAR FLOOD PLAIN
	SOILS LINE
	EXISTING SEWER
	EXISTING OHW
	BRUSHLINE
	EXISTING UTILITY POLE
	EXISTING MANHOLE
	APPROX. EXISTING WELL LOCATION



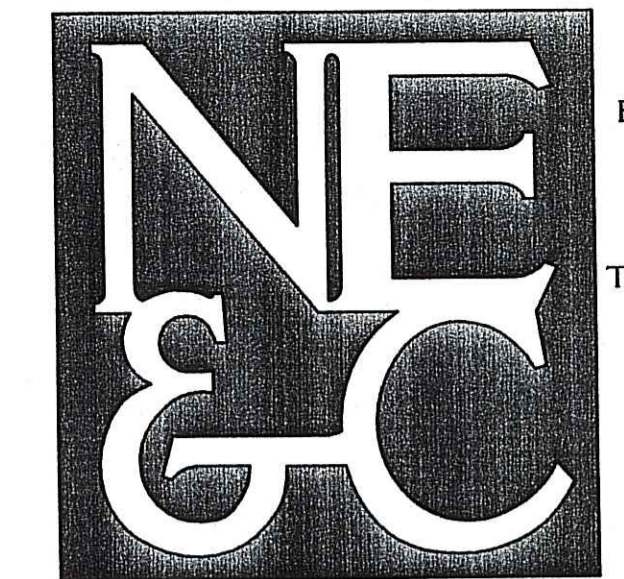
ZONING REQUIREMENTS	
R-15 ZONE	
MINIMUM LOT FRONTAGE:	100'
MINIMUM SETBACK:	
FRONT YARD:	35'
SIDE YARD:	20'
REAR YARD:	35'
MINIMUM LOT AREA:	15,000 S.F.

- NOTES:**
- PROPERTY LINES AND EXISTING TOPOGRAPHY SHOWN HAVE BEEN TAKEN FROM PLAN BY NARRAGANSETT ENGINEERING, INC. - CLASS IV SURVEY-DATED 1-8-04 AND STAMPED BY KAMAL HINGORANY, P.E. # 4089.
  - PROPERTY IS LOCATED IN ZONE AE AS PER F.E.M.A. FLOOD INSURANCE RATE MAP COMMUNITY PANEL #44001C0014 F, DATED MARCH 05, 1996.
  - SOILS:  
- PmA: PITTSBURY SILT LOAM, 0 TO 3 PERCENT SLOPES.  
- Se: STISSING SILT LOAM
  - WETLAND FLAG LOCATIONS WERE SURVEYED BY NE&C ON SEPT. 21, 2004.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESH WATER WETLANDS PROGRAM  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED NOV. 08 2004 FILE # 04-0344  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE.  
*Augustine Nunes*



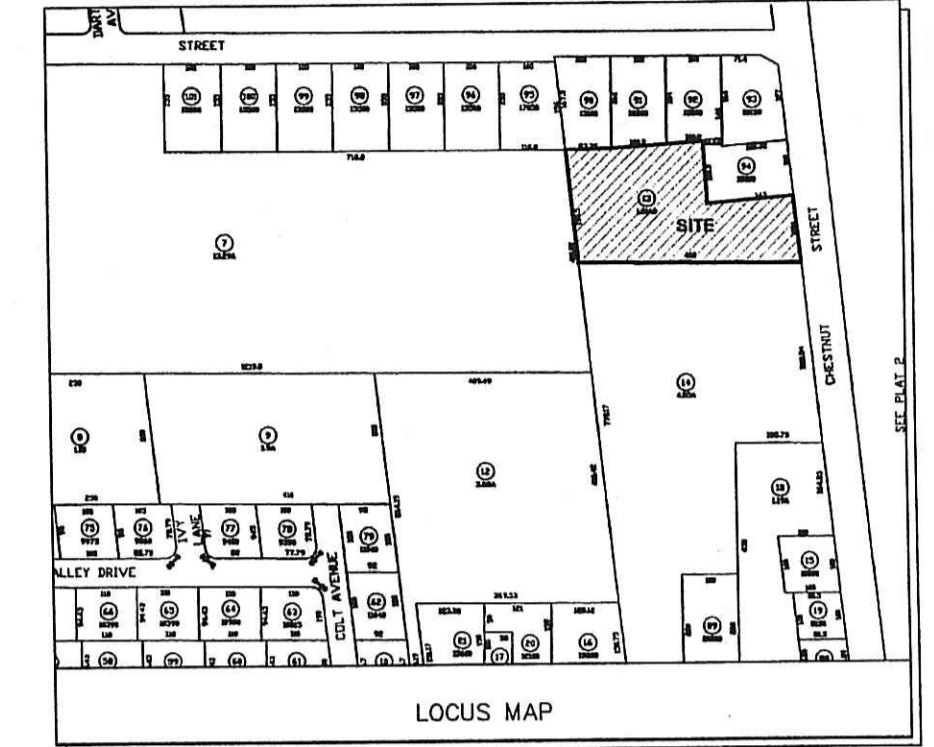
1	REVISED WETLAND LOCATION	9/30/04	TAV
No.	Revision	Date	App.
Designed By: TAV		Drawn by: SMP	Checked by: TAV
Scale: 1"=30'		Date: 06JUNE04	
Project Title: <b>A.P. 118, LOT 13 CHESTNUT STREET BRISTOL, RI</b>			
Client/Owner: AUGUSTINE NUNES 21 CLIFTON ROAD BRISTOL, RI 02809			
Issued for: RI DEM			
Drawing Title: <b>EXISTING CONDITIONS PLAN</b>			
Drawing Number: <b>EX-1</b>		Sheet 1 of 3	
Project Number: <b>04029.1</b>		Survey Index: - OCT + 2004	
OWNERSHIP AND USE OF DOCUMENTS: DRAWINGS AND SPECIFICATIONS, AS INSTRUMENTS OF PROFESSIONAL SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF THE ENGINEER. THESE DOCUMENTS ARE NOT TO BE USED, IN WHOLE OR PART, FOR ANY OTHER PROJECTS OR PURPOSES, OR BY ANY OTHER PARTIES, THAN THOSE PROPERLY AUTHORIZED BY CONTRACT, WITHOUT THE EXPRESS AUTHORIZATION OF THE ENGINEER.			



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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 NOV 08 2004 FILE # 04-0344  
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*myra daniel*

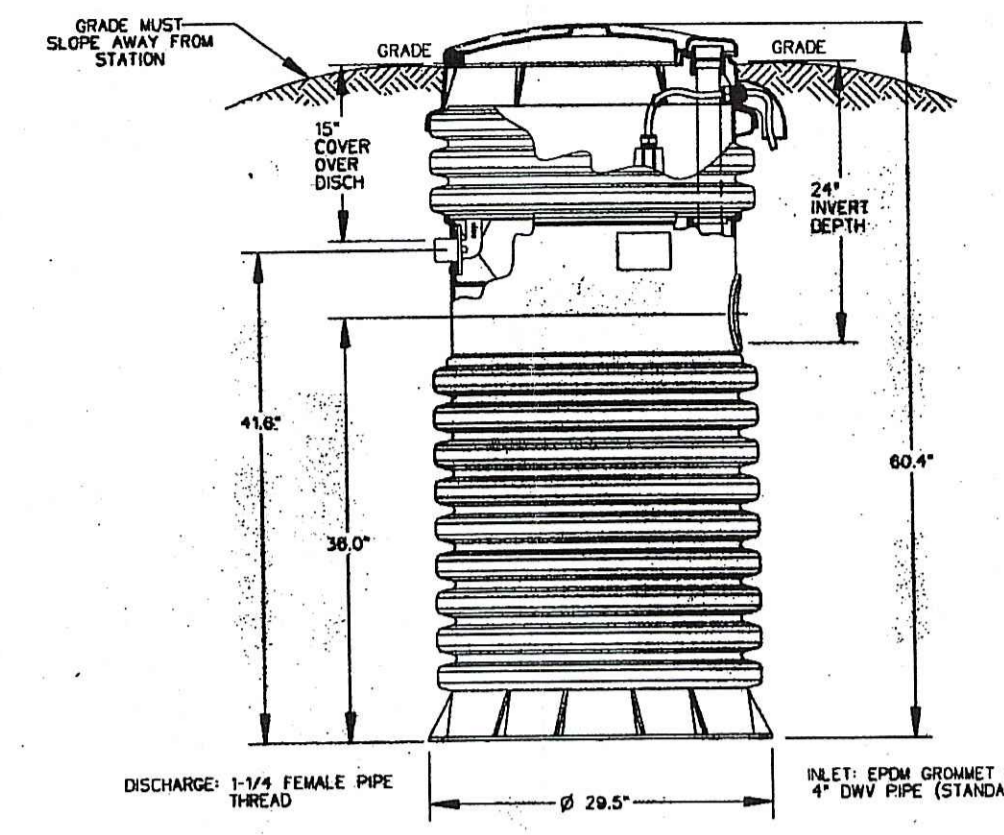
**LEGEND**

---	PROPERTY LINE
---	ABUTTERS' LINE
---	SETBACKS
---	STREAM
---	EXISTING CONTOURS
---	EXISTING SEWER
---	EXISTING OHW
---	PROPOSED SEWER LINE
---	PROPOSED OHW
---	PROPOSED CONTOURS
---	LIMIT OF DISTURBANCE
---	100 YEAR FLOOD PLAIN
---	PROPOSED WELL
---	EXISTING UTILITY POLE
---	EXISTING MANHOLE
---	PROPOSED UTILITY POLE
---	APPROX. EXISTING WELL LOCATION
---	PROPOSED PUMP STATION

**ZONING REQUIREMENTS**  
R-15 ZONE

MINIMUM LOT FRONTAGE:	100'
MINIMUM SETBACK:	35'
FRONT YARD:	20'
SIDE YARD:	35'
REAR YARD:	35'
MINIMUM LOT AREA:	15,000 S.F.

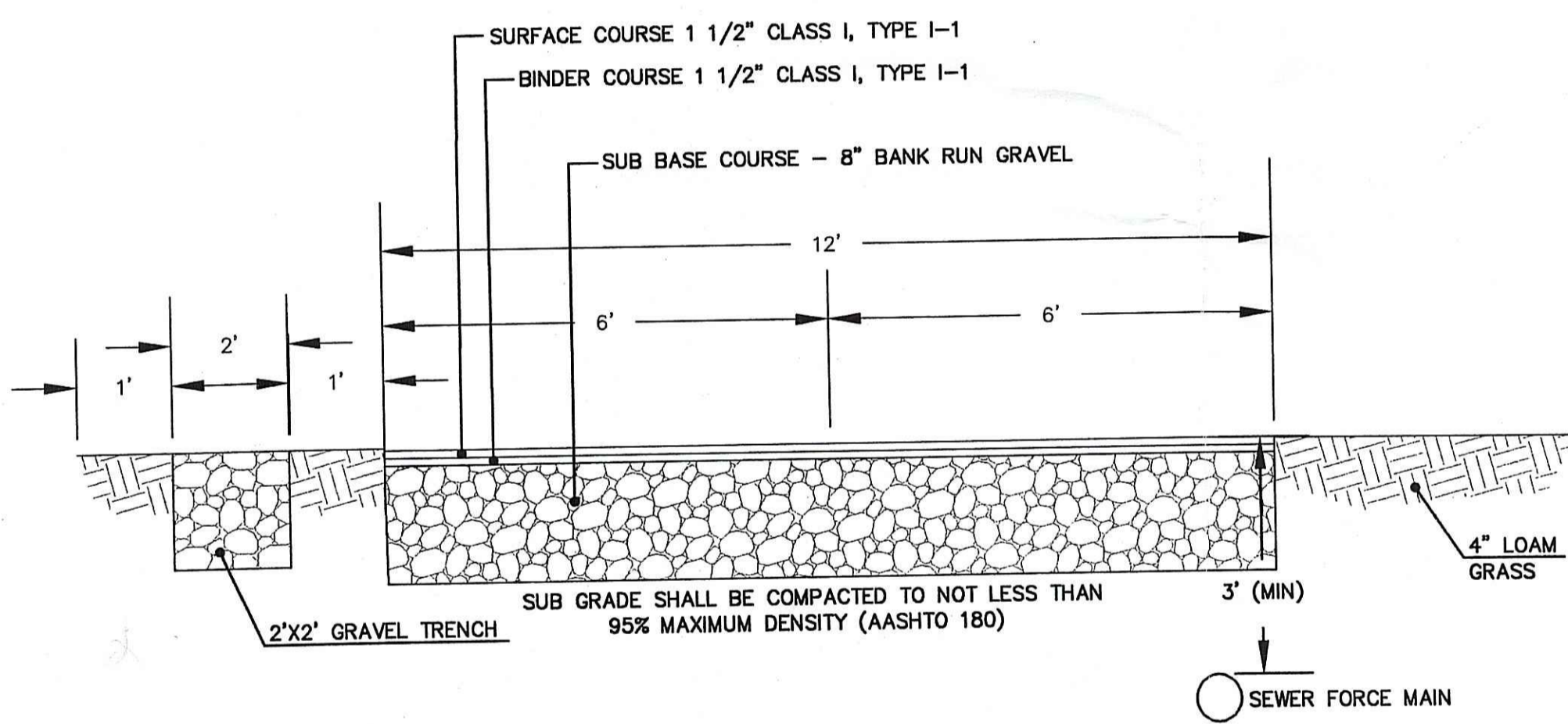
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  - SOILS:
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    - Se: STISSING SILT LOAM
  - WETLAND FLAG LOCATIONS WERE SURVEYED BY NE&C ON SEPT. 21, 2004.



\*\*SEE INSTALLATION INSTRUCTIONS FOR FURTHER DETAILS\*\*  
NOTE: A CONCRETE ANCHOR OF 1600 LBS. (10.5 cu ft) IS REQUIRED ON ALL MODEL 2010 61" STATIONS.

**SEWER PUMPING CHAMBER**  
NTS

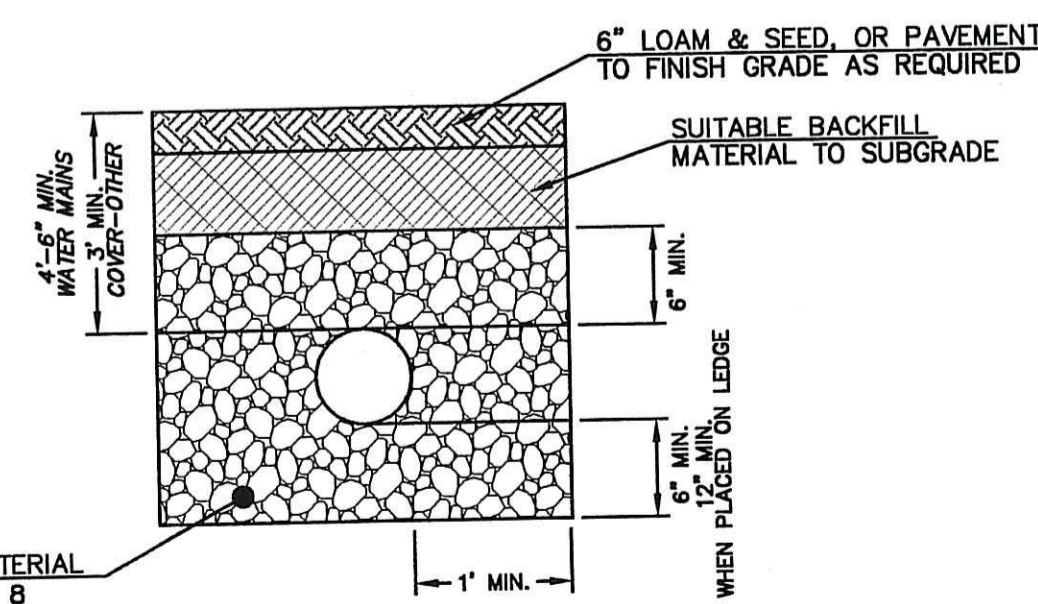
*Note per Dem: No alterations are allowed beyond the approved Limits of Disturbance which includes the Perimeter and Riverbank Wetlands. The Perimeter and Riverbank Wetlands must be permitted to revegetate naturally and must not be subject to any alterations. Additionally, please note the existing 100-year flood plain elevation at this site is 34.16 feet MVD.*



**NOTES:**  
ROAD BASE MATERIAL SHALL BE PLACED IN MAXIMUM 12" LIFTS AND COMPACTED TO 95% MAXIMUM DENSITY (AASHTO 180) IN ACCORDANCE WITH RIDOT SPECIFICATION 301.03.2.

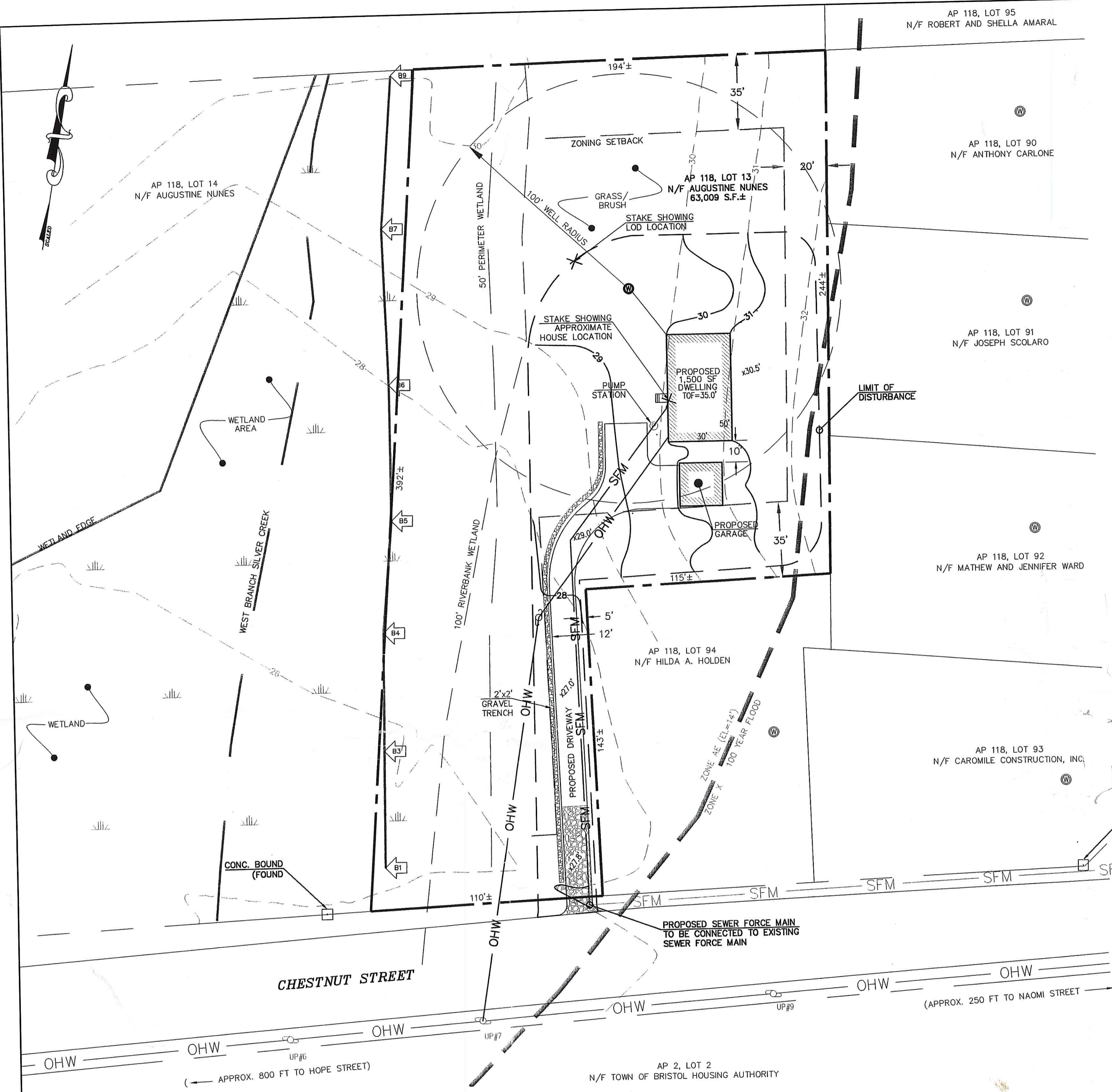
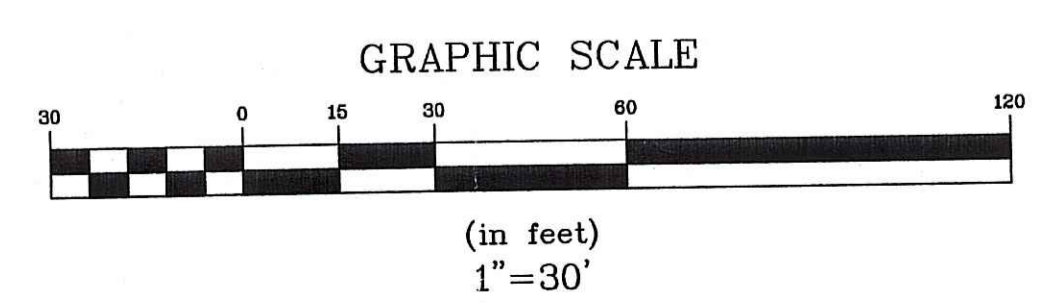
**TYPICAL DRIVEWAY CROSS SECTION**  
(N.T.S.)

- TRENCH NOTES:**
- UNSUITABLE MATERIAL SHALL BE EXCAVATED TO A MINIMUM DEPTH OF 12-INCHES BELOW THE DESIGN INVERT ELEVATION.
  - TRENCH PROTECTION SHALL BE REQUIRED IN ACCORDANCE WITH OSHA REGULATIONS, AND AS OTHERWISE REQUIRED TO PROTECT UTILITIES, ROADWAYS, AND ADJACENT STRUCTURES.
  - SEWER PIPES SHALL BE LAID BEGINNING AT THE DOWNSTREAM END OF THE PIPE LINE, IN ACCORDANCE WITH RIDOT SPECIFICATION 701.03.4
  - ALL PVC SEWER PIPES SHALL BE IPEX RING-TITE SDR 35, OR SIMILAR APPROVED.
  - ALL SEWER PIPE AND GASKETS SHALL CONFORM TO ASTM 3034 AND ASTM F679.
  - BACKFILL AND BEDDING MATERIAL SHALL BE PLACED IN LAYERS NOT TO EXCEED 6" IN HEIGHT. THESE LAYERS SHALL BE COMPACTED TO 95% MAXIMUM DENSITY (AASHTO T180).
  - SUITABLE BACKFILL SHALL BE FREE OF LOAM, CLAY, ORGANIC MATTER AND PARTICLES LARGER THAN 2 INCHES IN DIAMETER.
  - SEWER PIPE TRENCHES AND WATER PIPE TRENCHES SHALL BE BEDDED WITH SAND CONTAINING NO PARTICLES LARGER THAN 3/8". THIS MATERIAL MUST CONFORM TO AASHTO M6 REQUIREMENTS.



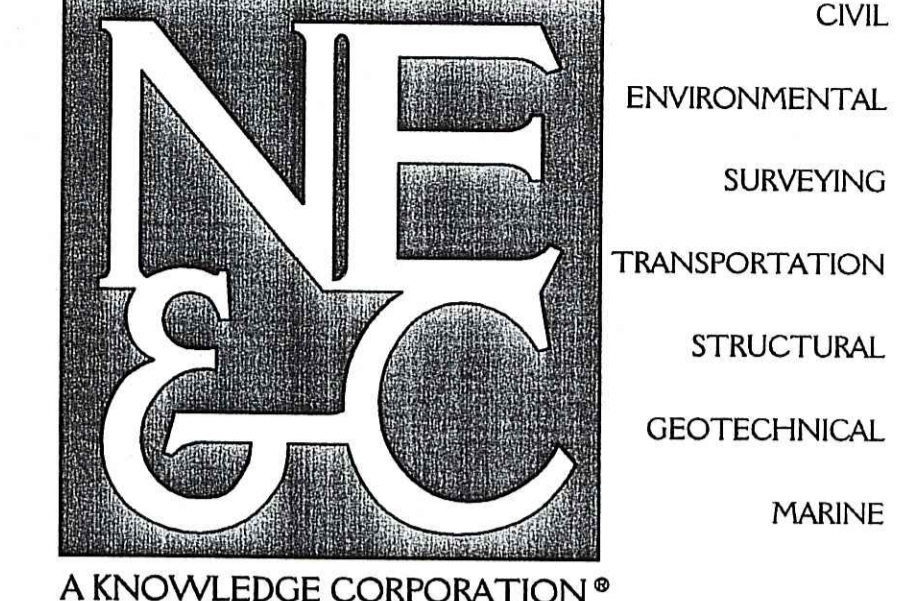
**UTILITY TRENCH DETAIL**  
(N.T.S.)

ALL UNDERGROUND UTILITIES SHOWN ON THIS PLAN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING PLANS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN AS ACCURATELY AS POSSIBLE FROM ALL AVAILABLE INFORMATION. (PLEASE CONTACT DIGSAFE PRIOR TO CONSTRUCTION AT 1-888-344-7233, AND/OR ALL LOCAL UTILITY COMPANIES)

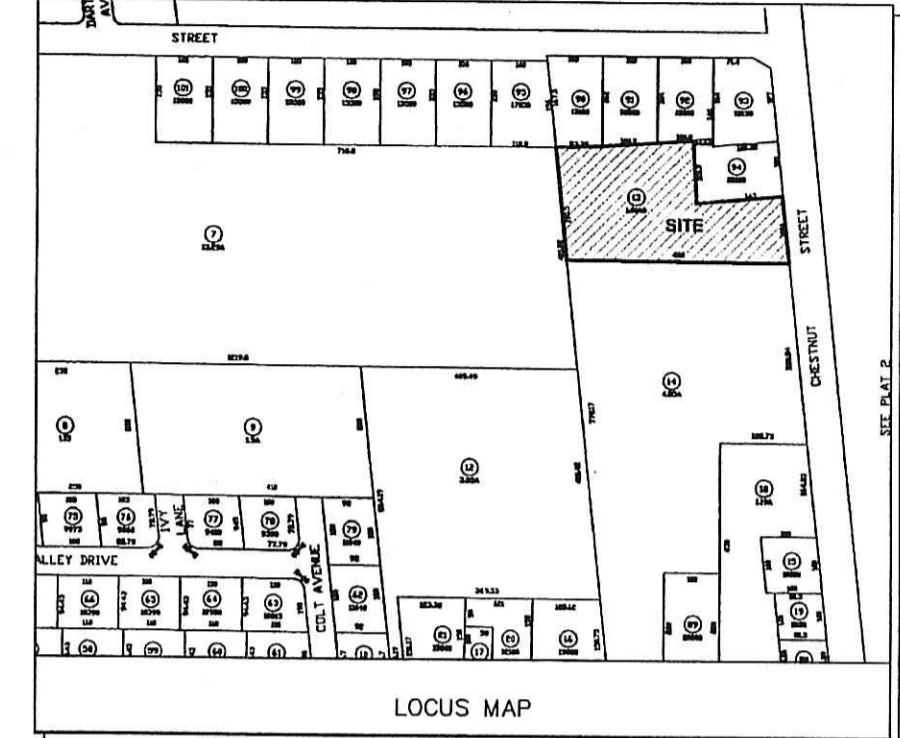


- GENERAL NOTES**
- THE CONTRACTOR SHALL VERIFY THE PROPOSED LAYOUT WITH ITS RELATIONSHIP TO THE EXISTING SITE SURVEY. CONTRACTOR SHALL ALSO VERIFY ALL DIMENSIONS, SITE CONDITIONS AND MATERIAL SPECIFICATIONS AND SHALL NOTIFY THE GOVERNMENT OF ANY ERRORS, OMISSIONS OR DISCREPANCIES BEFORE COMMENCING THE WORKS.
  - THE CONTRACTOR SHALL MAKE EXPLORATORY EXCAVATIONS AND LOCATE ANY EXISTING UTILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO BE MADE TO PLANS IF NECESSARY. THE EXISTENCE AND/OR LOCATION OF UTILITIES SHOWN ON THESE PLANS MAY BE ONLY APPROXIMATELY CORRECT. THE CONTRACTOR IS REQUIRED TO VERIFY THE LOCATION OF ALL SERVICES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES SHOWN HEREON AND ANY OTHER UTILITIES NOT ON RECORD OR SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE REPAIR AND REINSTATEMENT OF UTILITY SERVICES DAMAGED DURING CONSTRUCTION.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING, WITH MATCHING MATERIALS, ANY PAVEMENT, WALKS, CURBS, ETC. THAT MUST BE CUT OR THAT ARE DAMAGED DURING CONSTRUCTION.
  - AN APPROVED SET OF PLANS AND ALL APPLICABLE PERMITS MUST BE AVAILABLE AT THE CONSTRUCTION SITE AT ALL TIMES.
  - CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF THE CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT TO BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE GOVERNMENT AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL AND ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM "THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER."

1	REVISE WETLAND FLAG LOC.	30SEPT04	
No.	Revision	Date	App.
Designed By: TAV		Drawn by: SMP	Checked by:
Scale: 1" = 30'		Date: 06JUNE04	
Project Title: <b>A.P. 118, LOT 13 CHESTNUT STREET BRISTOL, RI</b>			
Client/Owner: AUGUSTINE NUNES 21 CLIFTON ROAD BRISTOL, RI 02809			
Issued for: RI DEM			
Drawing Title: <b>PROPOSED CONDITIONS PLAN</b>			
Drawing Number: <b>P-1</b>		Sheet <b>2</b> of <b>3</b>	
Project Number: <b>04029.1</b>		Survey Index:	
		OCT 4 2004	
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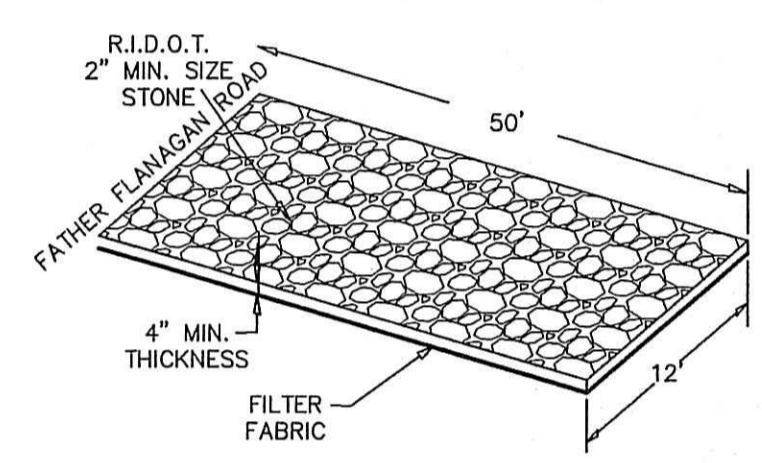


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SURVEYING  
TRANSPORTATION  
STRUCTURAL  
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MARINE

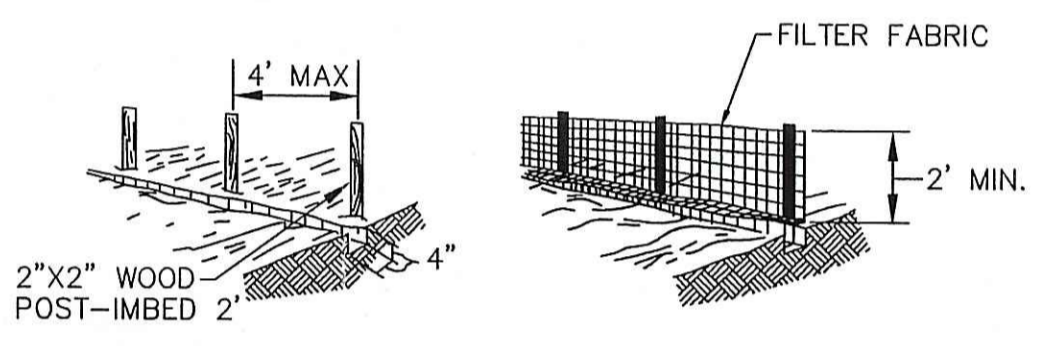


DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED NOV 08 2004 FILE # 04-0344  
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APPROVED PLANS MUST BE AT CONSTRUCTION SITE.  
*Martin Jancsek*

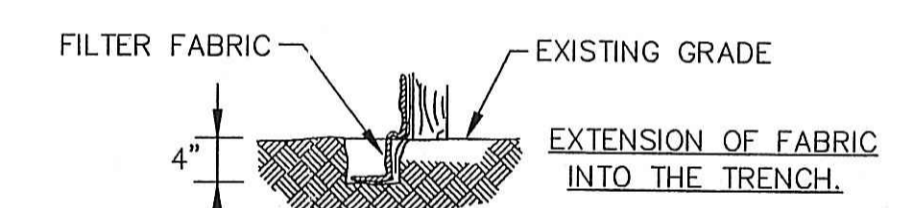
- EROSION CONTROL NOTES**
- CONSTRUCTION SEQUENCE:**
    - DO NOT BEGIN CONSTRUCTION UNTIL ALL LOCAL, STATE, AND FEDERAL PERMITS HAVE BEEN APPLIED FOR AND RECEIVED. A RIPDES GENERAL PERMIT FOR CONSTRUCTION ACTIVITY WILL BE REQUIRED FOR THIS SITE.
    - CONSTRUCT STABILIZED CONSTRUCTION ENTRANCES. CONSTRUCTION TRAFFIC SHALL ENTER AND EXIT THE SITE VIA THESE ENTRANCES.
    - INSTALL SILT FENCES AND/OR HAY BALES AS REQUIRED TO CONTROL EROSION AND PREVENT SEDIMENT CONTAMINATION OF STREAMS AND WETLANDS PRIOR TO ANY EARTH MOVING ACTIVITIES.
    - REMOVE TREES WHERE NECESSARY.
    - START EARTH WORK AND ROAD CONSTRUCTION.
    - INSTALL THE REQUIRED DRAINAGE.
    - CONSTRUCT LANDSCAPED AREAS, MAINTAIN SITE IN ACCORDANCE WITH THE MAINTENANCE NOTES.
  - GENERAL NOTES**
    - DURING CONSTRUCTION AND THEREAFTER, EROSION CONTROL MEASURES ARE TO BE IMPLEMENTED AS NOTED. THE SMALLEST PRACTICAL AREA OF LAND SHOULD BE EXPOSED AT ANY ONE TIME DURING DEVELOPMENT. WHEN LAND IS EXPOSED DURING DEVELOPMENT, THE EXPOSURE SHOULD BE KEPT TO THE SHORTEST PRACTICAL PERIOD OF TIME.
    - ANY DISTURBED AREAS WHICH ARE TO BE LEFT TEMPORARILY AND WHICH WILL BE REGRADED LATER DURING CONSTRUCTION SHALL BE STABILIZED WITHIN FOURTEEN DAYS IN ACCORDANCE WITH TEMPORARY MEASURES IN THE VEGETATIVE PRACTICE NOTES.
    - AREAS TO BE FILLED SHALL BE CLEARED, GRUBBED, AND STRIPPED OF TOP SOIL TO REMOVE VEGETATION, ROOTS, AND ANY OTHER OBJECTIONABLE MATERIAL.
    - ALL FILL SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT SUBSIDENCE, OR OTHER RELATED PROBLEMS.
    - FILL INTENDED TO SUPPORT BUILDING STRUCTURES AND CONDUITS, ETC., SHALL BE COMPACTED IN ACCORDANCE WITH LOCAL CODES AND SPECIFICATIONS.
    - ALL FILL SHALL BE PLACED AND COMPACTED IN LAYERS NOT TO EXCEED 12" IN THICKNESS.
    - FILL MATERIAL SHALL BE FREE OF BRUSH, RUBBISH, ROCKS, LOGS, STUMPS, BUILDING DEBRIS, AND OTHER OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS.
    - FROZEN, SOFT, MUCKY, OR HIGHLY COMPRESSIBLE MATERIAL SHALL NOT BE INCORPORATED INTO FILLS.
    - FILL SHALL NOT BE PLACED ON A FROZEN FOUNDATION SUBGRADE.
    - SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
    - ALL DISTURBED AREAS SHALL BE STABILIZED WITHIN 14 DAYS OF FINISH GRADING IN ACCORDANCE WITH THE VEGETATIVE PRACTICE NOTES.
    - REMOVE TEMPORARY EROSION CONTROL MEASURES ONCE UPSLOPE AREAS HAVE BEEN PERMANENTLY STABILIZED.



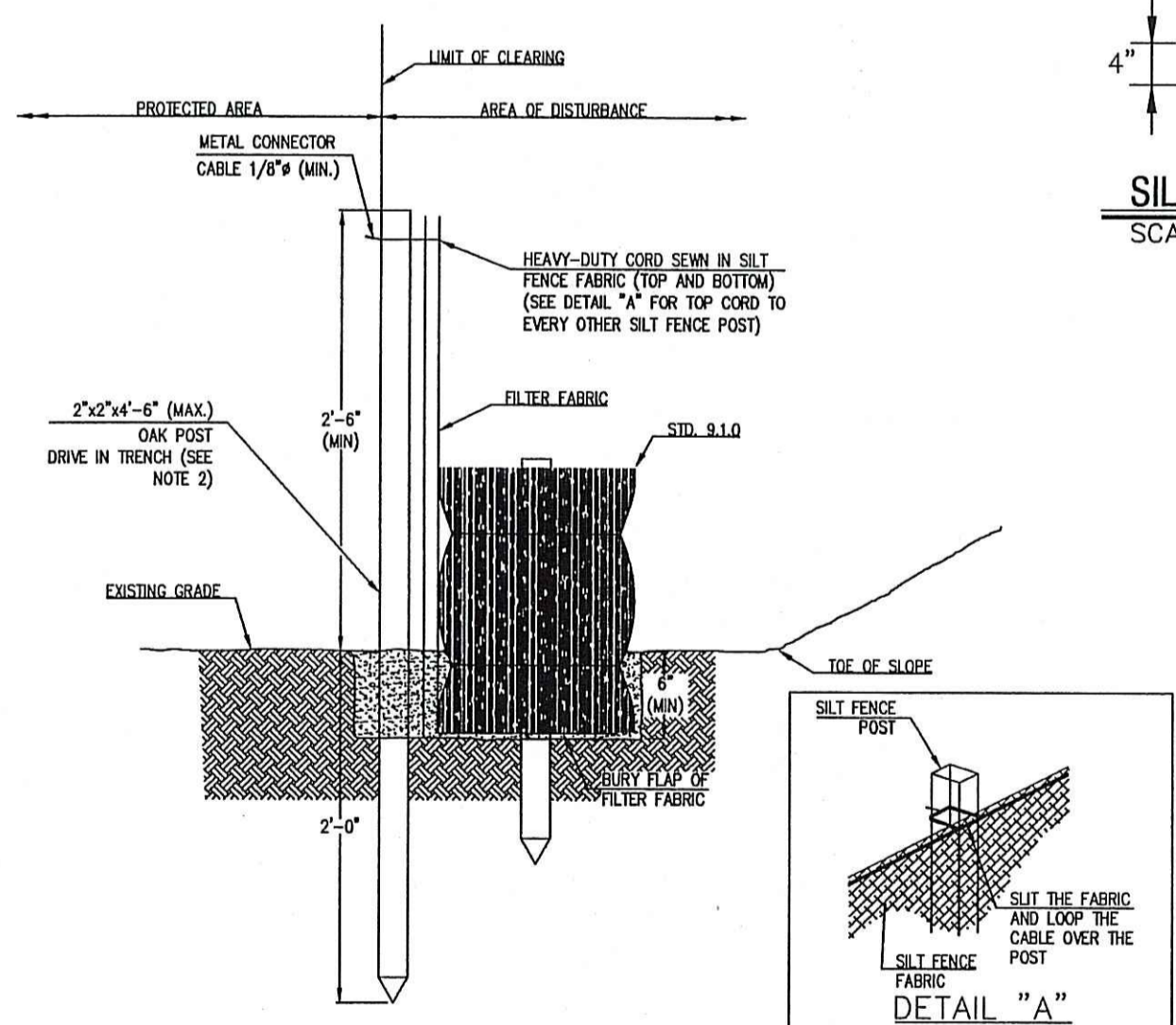
**WHEEL CLEANING BLANKET**  
SCALE: NTS



- SET POSTS AND EXCAVATE A 4" X 4" TRENCH UPSLOPE ALONG THE LINE OF POSTS.
- STAPLE FILTER FABRIC TO THE POSTS AND EXTEND INTO TRENCH.
- BACK FILL AND COMPACT THE EXCAVATED SOIL INTO THE TRENCH.



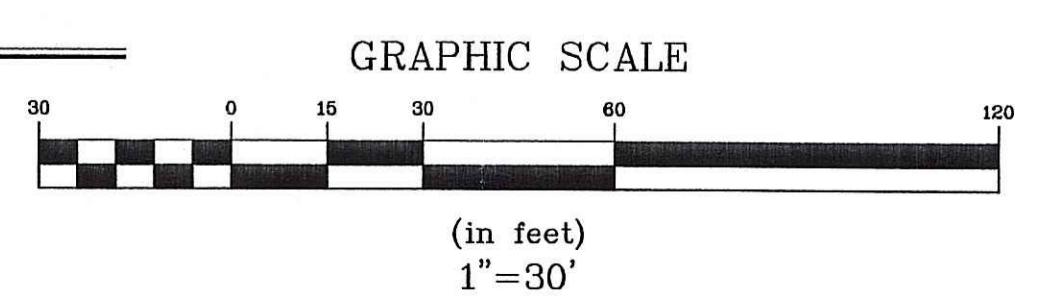
**SILT FENCE DETAIL**  
SCALE: NTS



**DETAIL "A"**

- 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 SLIT. 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 ARE PERMITTED FOR PRE-FABRICATED SILT FENCE.
  - SILT FENCE AND BALED HAY SHALL BE INSTALLED BEFORE ANY GRUBBING OR EARTH EXCAVATION TAKES PLACE.

**R.I. STANDARD 9.3.0 BALED HAY EROSION CHECK AND SILT FENCE COMBINED**  
SCALE: NTS



**LEGEND**

---	PROPERTY LINE
---	ABUTTERS' LINE
---	SETBACKS
---	STREAM
---	EXISTING CONTOURS
---	EXISTING SEWER
---	EXISTING OHW
---	EXISTING GAS LINE
---	PROPOSED CONTOURS
---	100 YAEER FLOOD PLAIN
○	PROPOSED WELL
○	EXISTING UTILITY POLE
○	EXISTING MANHOLE
---	LIMIT OF DISTURBANCE
---	S.F.
---	HAYBALES

**PROJECT DESCRIPTION:** CONSTRUCTION OF A SINGLE FAMILY HOME

**EXISTING SITE CONDITIONS:** SITE IS COVERED IN BRUSH WITH NO EXISTING STRUCTURES. THE SOIL IS CLASSIFIED AS FOLLOWS:  
PmA- PITTSSTOWN SILT LOAM, 0 TO 3 PERCENT SLOPES  
Se- STISSING SILT LOAM

**EROSION AND SEDIMENT CONTROL MEASURES:** THE WHEEL CLEANING BLANKET WILL BE INSTALLED FIRST. SILT FENCE OR HAY BALES WILL BE PLACED WHERE INDICATED ON THE SITE PLAN. ALL VEHICLES WILL ENTER AND EXIT VIA THE DRIVEWAY THROUGH THE OPENING IN THE SOIL EROSION CONTROL BARRIER. ONLY THOSE AREAS UNDER CONSTRUCTION WILL BE DISTURBED. THE REMAINDER OF THE LOT WILL NOT BE DISTURBED UNTIL THE CONTRACTOR HAS COMPLETED THE CONSTRUCTION OF THE BUILDING, DRIVEWAY AND SEPTIC SYSTEM AND IS READY FOR THE FINAL LAWN.

**VEGETATIVE PRACTICE**

**PERMANENT MEASURES**

- SLOPES SHALL NOT BE STEEPER THAN 3:1
- A MINIMUM OF 4" OF LOAM SHALL BE INSTALLED. THE LOAM SHALL BE GRADED TO A SMOOTH CONDITION AND STONES AND OTHER OBJECTS LARGER THAN 2" SHALL BE REMOVED.
- THE FOLLOWING SEEDING MIXTURE SHALL BE APPLIED AT THE INDICATED RATE UNLESS OTHERWISE APPROVED BY THE PORTSMOUTH D.P.W.  
TALL FESCUE: 20 LBS/ACRE  
RED FESCUE: 20 LBS/ACRE  
RED TOP: 2 LBS/ACRE
- HAY MULCH SHALL BE APPLIED AT THE RATE OF 1.5 TONS/ACRE

**TEMPORARY MEASURES - FOR TEMPORARY PROTECTION OF DISTURBED AREAS**

- SEED SHALL BE APPLIED AT THE FOLLOWING RATE:  
WINTER RYE: 112 LBS/ACRE
- HAY MULCH SHALL BE APPLIED AT THE RATE OF 1.5 TONS/ACRE

1	REVISED WETLAND LOCATION	9/30/04	AV
No.	Revision	Date	App.
Designed By: TAV		Drawn by: SMP	Checked by: AV
Scale: 1"=30'		Date: 06 JUNE 04	
Project Title:			
<b>A.P. 118, LOT 13 CHESTNUT STREET BRISTOL, RI</b>			
Client/Owner:			
AUGUSTINE NUNES 21 CLIFTON ROAD BRISTOL, RI 02809			
Issued for:			
RI DEM			
Drawing Title:			
<b>SOIL EROSION &amp; SEDIMENT CONTROL PLAN</b>			
Drawing Number:		SESC-1	
Sheet 3 of 3		Project Number:	
		04029.1	
Survey Index:			
OCT 4 2004			
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