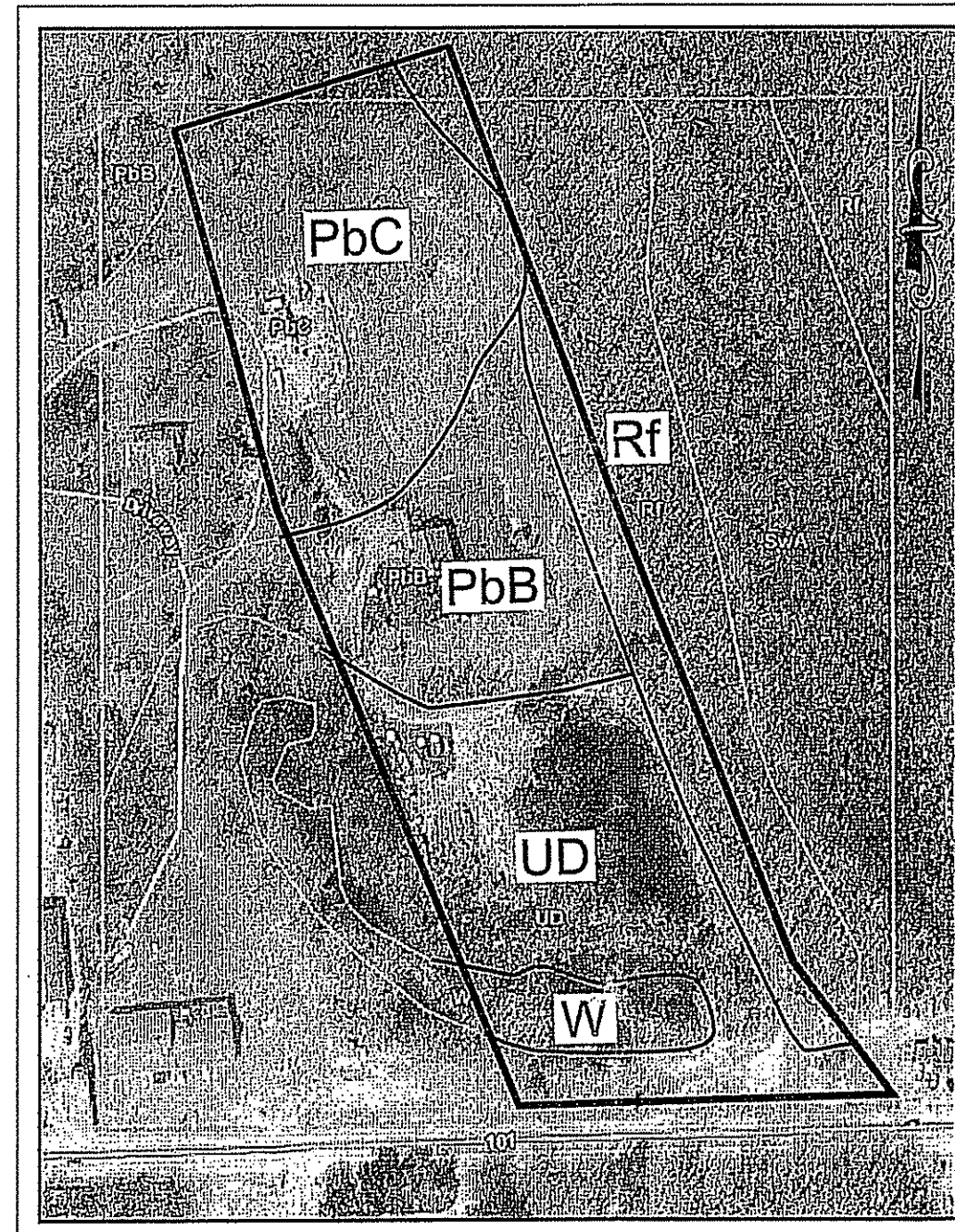


# PERMITTING SITE PLANS

FOR:

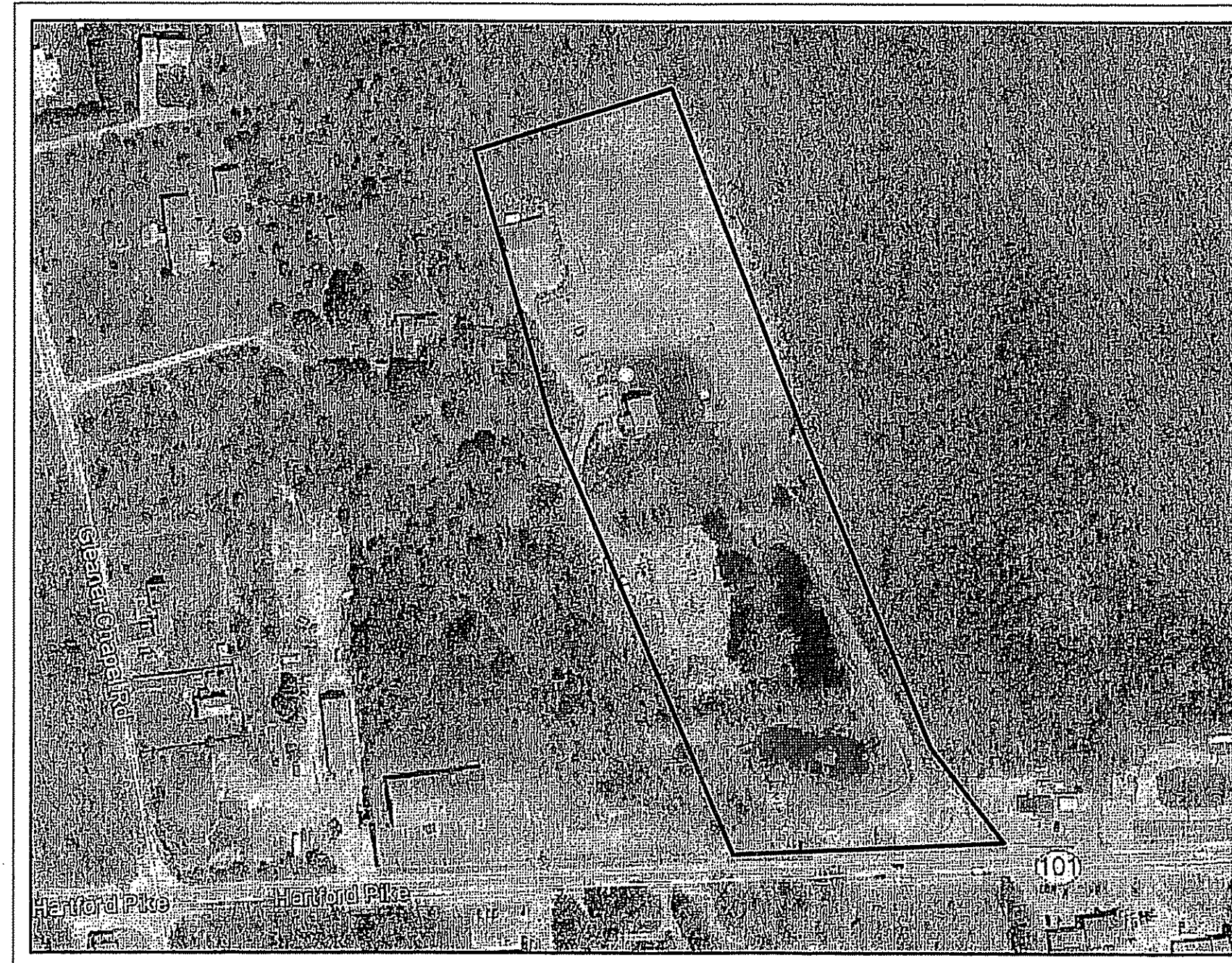
## LOU'S PIZZA & WINE

A.P. 22, LOT 147  
661 HARTFORD PIKE  
N. SCITUATE, RHODE ISLAND

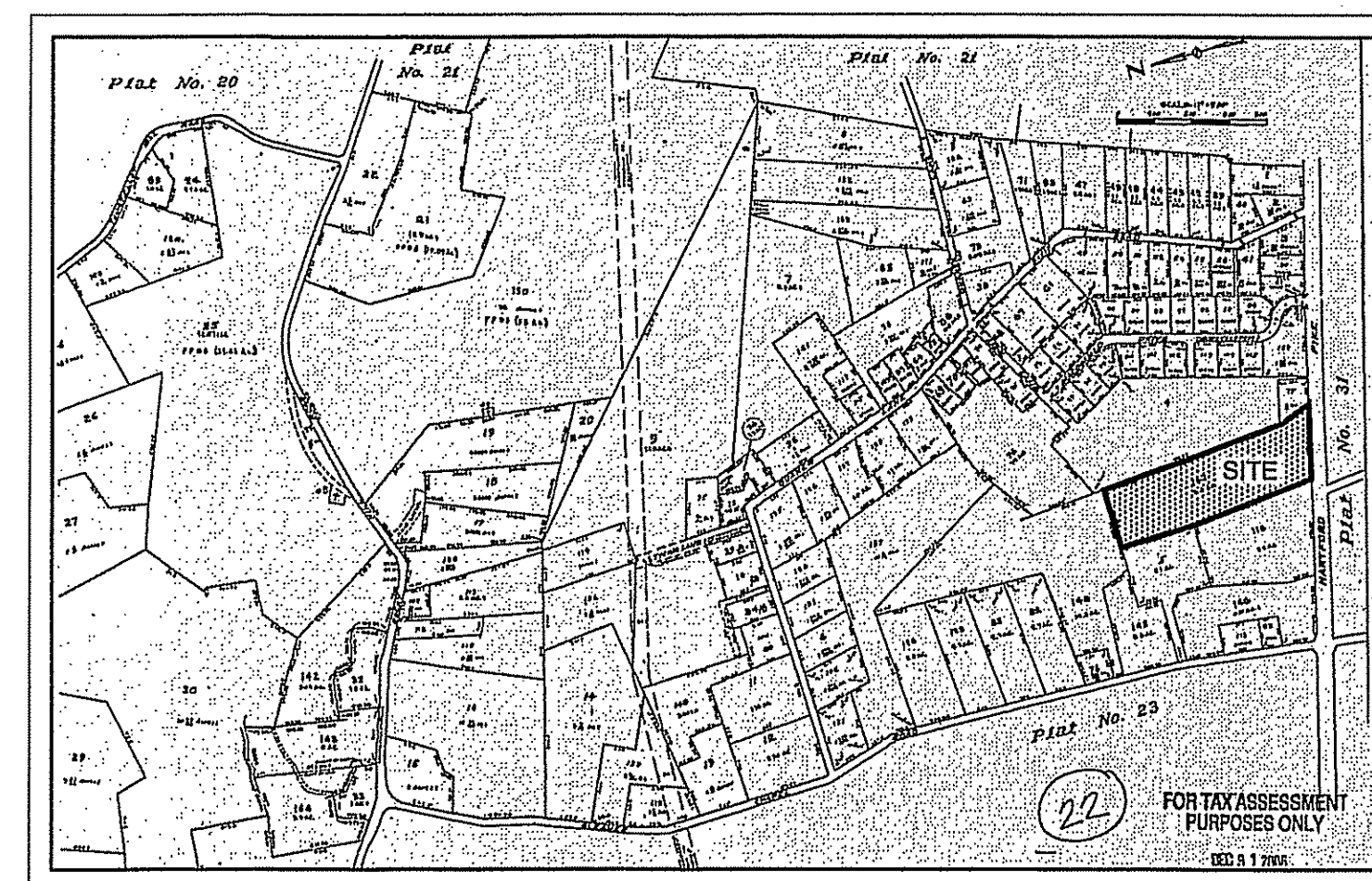


SOILS MAP  
1"=200'

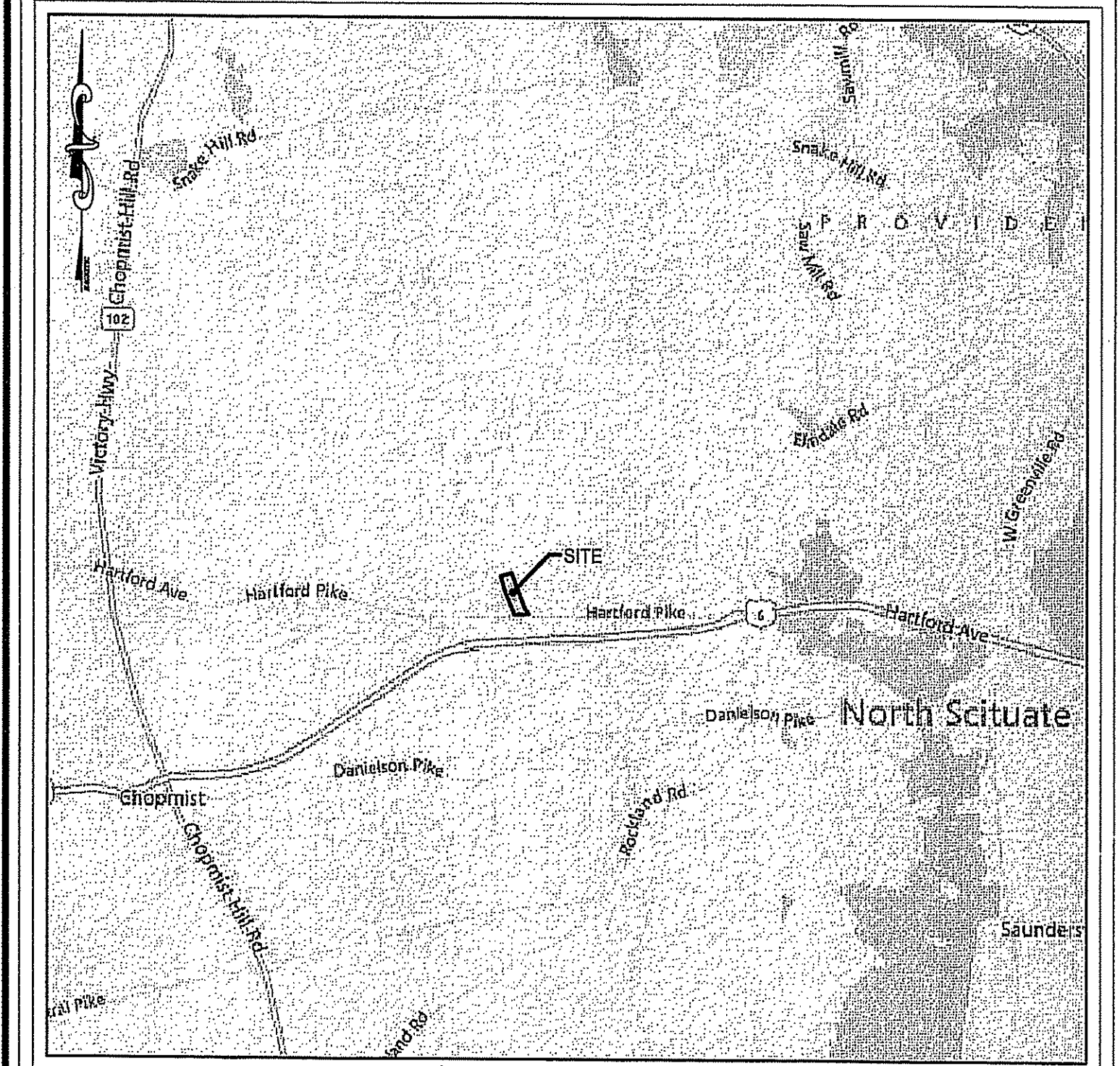
SOIL TYPES:  
PbB: Paxton fine sandy loam, 0 to 8 percent slopes, very stony  
PbC: Paxton fine sandy loam, 8 to 15 percent slopes, very stony  
Rf: Ridgebury, Leicester, and Whitman soils, 0 to 8 percent slopes, extremely stony  
UD: Udorthents-Urban land complex  
W: Water



AERIAL PHOTOGRAPH  
NTS



TAX ASSESSOR'S MAP 22  
1"=1,000'



LOCUS  
1"=4,000'

### TABLE OF CONTENTS:

SHEET DESCRIPTION

- 1 COVER SHEET
- 2 EXISTING CONDITIONS / SITE PREPARATION PLAN
- 3 SITE LAYOUT & UTILITY PLAN
- 4 SITE GRADING & DRAINAGE PLAN
- 5 NOTES & DETAILS PLAN
- 6 DETAILS -1

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 APR 23 2018 FILE # 17-0272  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

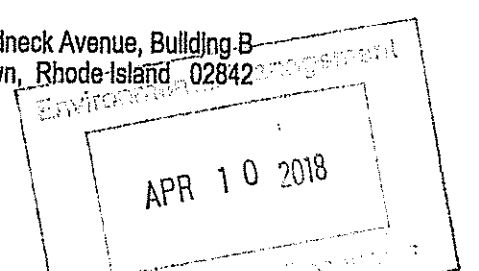
PREPARED BY:

**MILLSTONE ENGINEERING, P.C.**  
CIVIL ENGINEERING • LAND PLANNING

250 Centerville Road, Building E-12  
Warwick, Rhode Island 02886

790 Aquidneck Avenue, Building B  
Middletown, Rhode Island 02842

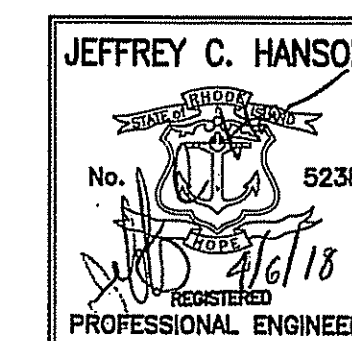
p. (401) 921-3344 f. (401) 921-3303  
www.MillstoneEng.com



PREPARED FOR:  
**LOUIS A. POLSENO**

OCTOBER 2017  
REVISED FEBRUARY 2018  
REVISED APRIL 2018

OWNER / APPLICANT:  
LOUIS A. & MADINE POLSENO  
661 HARTFORD PIKE  
N. SCITUATE, RI 02857  
(401) 447-6558



Drawn By: BJC

Checked By: JCH

Sheet

1

of 6

FILE NO.: 14.200.284

- REFERENCES:
1. AERIAL PHOTOGRAPH TAKEN GOOGLE EARTH
  2. N.R.C.S. SOIL MAPS (http://websoilsurvey.sc.egov.usda.gov/)
  3. TOWN OF SCITUATE ASSESSOR'S PLAT 22
  4. LOCUS FROM BING (www.bing.com)

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WARWICK, RI 02886

- LEGEND:**
- SUBJECT LOT LINE
  - ABUTTING LOT LINE
  - BUILDING SETBACK LINE
  - ZONE LINE
  - I.R.F. ○ IRON ROD FOUND
  - EDGE OF WATER
  - WETLAND EDGE (APPROX.)
  - PERIMETER WETLAND
  - LIMIT OF FLOODPLAIN
  - EXISTING CONTOUR
  - EXISTING BUILDING
  - EXISTING GRAVEL DRIVE
  - EXISTING CURB
  - EXISTING CONCRETE PAD
  - EXISTING WELL
  - #144-03 EXISTING UTILITY POLE
  - EXISTING EDGE OF VEGETATION

- Cont.**
- EXISTING OVERHEAD WIRE
  - EXISTING TREE
  - ⊕ TEST PIT LOCATION
  - PROPOSED BUILDING
  - PROPOSED EDGE OF PAVEMENT
  - PROPOSED WELL
  - PROPOSED WATER LINE
  - PROPOSED FORCE MAIN
  - A.P. 22, LOT 4 ASSESSOR'S PLAT AND LOT DESIGNATION
  - LIMIT OF DISTURBANCE (APPROXIMATE)
  - PROPOSED ELECTRIC, TELEPHONE & CABLE
  - PROPOSED LIMIT OF DISTURBANCE (ONLY)
  - PROPOSED SILT SOCK LIMIT OF DISTURBANCE

**FLOOD NOTE:**

PORTIONS OF THE PROPERTY MAY LIE WITHIN ZONE "A" - SPECIAL CHANCE FLOOD, NO BASE FLOOD ELEVATIONS DETERMINED AS SHOWN ON THE NATIONAL FLOOD INSURANCE RATE MAPS (FIRM), PROVIDENCE COUNTY, RHODE ISLAND (ALL JURISDICTIONS), PANEL 250 OF 451, MAP NUMBER #4007C0200A, EFFECTIVE DATE MARCH 2, 2009.

**REFERENCE:**

PLAN ENTITLED, "EXISTING CONDITIONS SURVEY BY ROBERT MAJO LOCATED AT 661 HARTFORD PIKE SCITUATE, RI ASSESSOR'S PLAT 22 LOT 147; OWNER LOUIS POLSENO, 661 HARTFORD PIKE, SCITUATE, RI DATED JUNE, 2014.

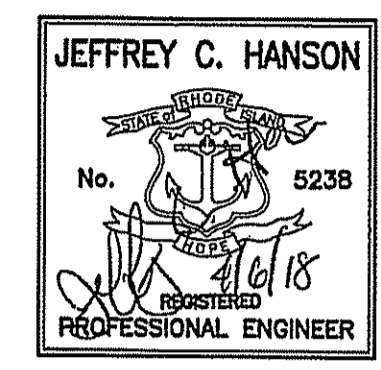
**ZONING DATA:**

BG: GENERAL BUSINESS  
 REFERENCE: ZONING ORDINANCE ARTICLE III, SECTION 2.1

**DIMENSIONAL REQUIREMENTS:**

	REQUIRED	EXISTING
MINIMUM LOT SIZE	---	8,405 AC.
MINIMUM FRONT YARD DEPTH	25 FT.	641± FT.
MINIMUM SIDE YARD DEPTH	---	122± FT.
MINIMUM REAR YARD DEPTH	40 FT.	300± FT.
MAXIMUM LOT COVERAGE	25 %	< 25 %
MAXIMUM BUILDING HEIGHT	36 FT.	< 36 FT.

NO.	DATE	REVISION
1	2/12/2018	DEM COMMENTS
2	4/6/2018	DEM COMMENTS



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 CIVIL ENGINEERING • LAND PLANNING  
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 www.IllstoneEng.com

**EXISTING CONDITIONS / SITE PREPARATION PLAN**

**LOU'S PIZZA & WINE**

A.P. 22, LOT 147  
 661 HARTFORD PIKE  
 N. SCITUATE, RI

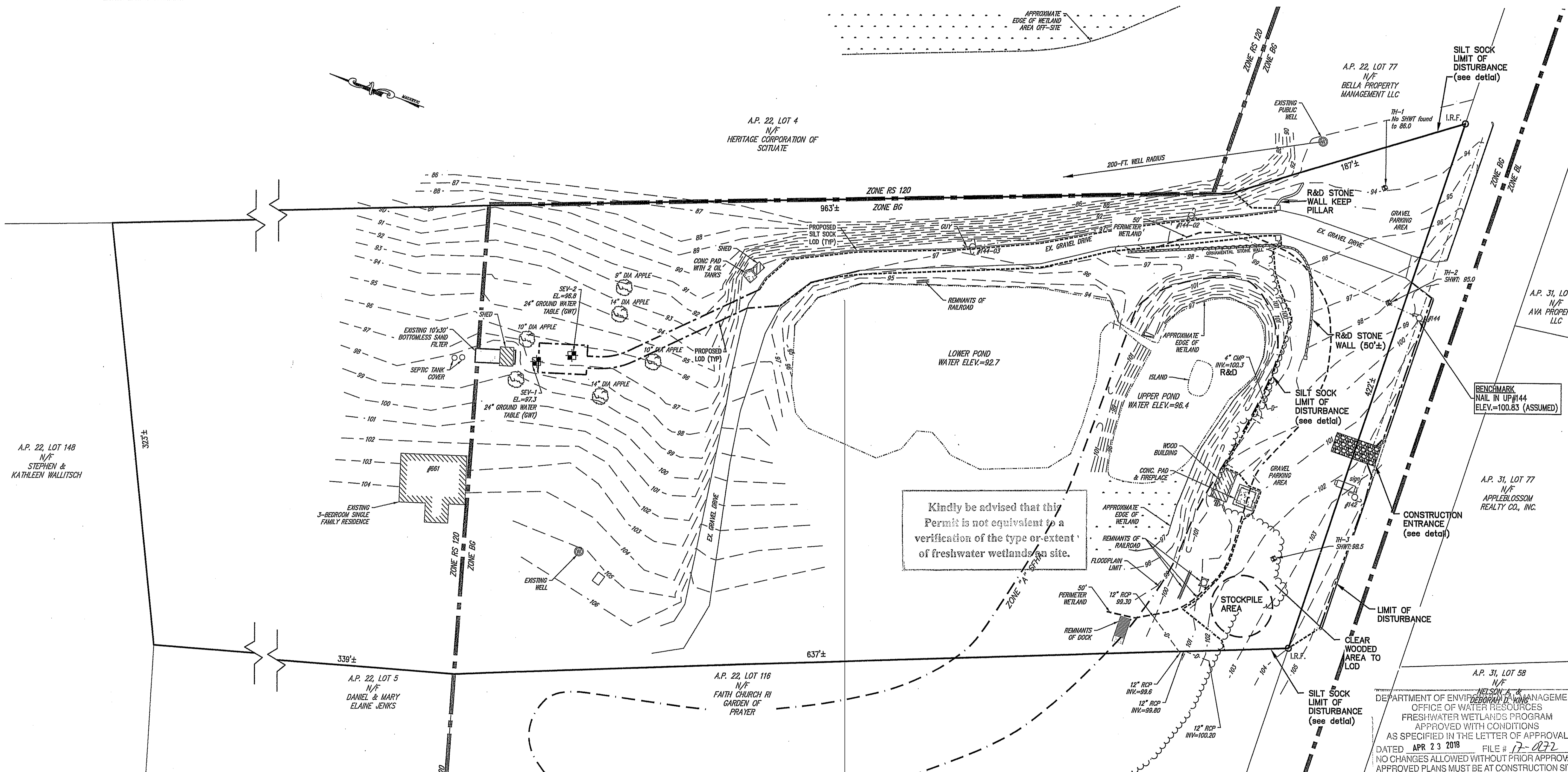
PREPARED FOR:  
**LOUIS A. POLSENO**

SCALE: 1" = 40'  
 OCTOBER 2017

Drawn By: MJV  
 Checked By: JCH  
 Sheet

**2**  
 of 6

FILE NO.: 14.200.284

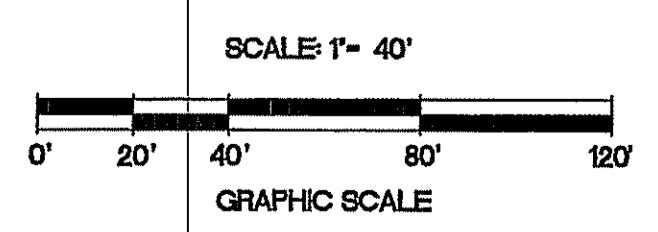


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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
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*Signature of Matthew D. Wencel*

OWNER / APPLICANT:  
 LOUIS A. & NADINE POLSENO  
 661 HARTFORD PIKE  
 N. SCITUATE, RI 02857  
 (401) 447-6558



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**GENERAL NOTES:**

- THE MOST CURRENT EDITION OF THE STATE OF RHODE ISLAND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE AND THE RHODE ISLAND STANDARD DETAILS CONSTRUCTION ARE MADE A PART HEREOF AS FULLY AND COMPLETELY AS IF ATTACHED HERETO. THE CURRENT VERSION OF THE STANDARD SPECIFICATIONS MAY BE OBTAINED AT THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION, DIVISION OF PUBLIC WORKS. IN ADDITION, THE TOWN OF SCITUATE STANDARD SPECIFICATIONS ARE MADE A PART HEREOF AS FULLY AND COMPLETELY AS IF ATTACHED HERETO.
- ALL REQUIRED SITE IMPROVEMENTS SHALL BE INSPECTED BY THE TOWN ENGINEER TO ENSURE SATISFACTORY COMPLETION. IN NO CASE SHALL THE INSTALLATION OF ANY IMPROVEMENTS BE STARTED UNTIL PRIOR NOTIFICATION IS GIVEN TO THE TOWN ENGINEER. AT LEAST A 48-HOUR NOTICE SHALL BE GIVEN TO THE TOWN ENGINEER PRIOR TO ANY SUCH START OF CONSTRUCTION. A FINAL INSPECTION OF ALL SITE IMPROVEMENTS, UTILITIES AND GRADING WILL BE MADE TO DETERMINE WHETHER THE WORK IS SATISFACTORY AND IN SUBSTANTIAL AGREEMENT WITH THE APPROVED FINAL CONSTRUCTION DRAWING AND THE TOWN SPECIFICATIONS.
- LOCATION AND DEPTH OF EXISTING UTILITIES ARE APPROXIMATE AND HAVE BEEN PLOTTED FROM THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL CHECK AND VERIFY LOCATIONS OF ALL EXISTING UTILITIES BOTH UNDERGROUND AND OVERHEAD. ANY DAMAGE TO EXISTING UTILITIES AS SHOWN OR NOT SHOWN ON THE PLANS SHALL BE THE CONTRACTOR'S RESPONSIBILITY. COSTS OF SUCH DAMAGE SHALL BE BORNE BY THE CONTRACTOR. NO EXCAVATION SHALL BE DONE UNTIL ALL INVOLVED UTILITY COMPANIES ARE NOTICED 72-HOURS IN ADVANCE. THE CONTRACTOR SHALL BE RESPONSIBLE TO NOTIFY DIG-SAFE (1-888-344-7233) A MINIMUM OF 72 WORKING HOURS, EXCLUDING WEEKENDS AND HOLIDAYS, PRIOR TO THE START OF ANY EXCAVATION AND/OR BLASTING WORK. THE NAME OF THE COMPANY PERFORMING THE EXCAVATION AND/OR BLASTING WORK MUST BE SUPPLIED TO DIG-SAFE, IF IT IS DIFFERENT FROM THE CALLER.
- IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO OBTAIN ANY AND ALL PERMITS REQUIRED BY THE STATE OF RHODE ISLAND, FEDERAL GOVERNMENT, AND THE TOWN OF SCITUATE PRIOR TO COMMENCING ANY WORK.
- CONTRACTOR TO EXCAVATE TEST PITS TO CONFIRM LOCATION AND ELEVATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION. ANY DISCREPANCY SHALL BE REPORTED TO THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL TEMPORARY SEDIMENTATION AND EROSION CONTROLS.
- STOCKPILES OF EARTH MATERIALS SHALL NOT BE LOCATED NEAR WATERWAYS, WETLAND, OR ADJACENT TO DRAINAGE STRUCTURES.
- ALL MATERIAL FOR FILL SHALL BE CLEAN AND FREE OF MATTER WHICH COULD POLLUTE ANY DOWN STREAM WATERCOURSE.
- FILL MATERIAL SHALL BE COMPACTED IN ONE FOOT (MAXIMUM) LIFTS TO AT LEAST 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED IN ACCORDANCE WITH ASTM D-1557 (MODIFIED PROCTOR TEST).
- PORTIONS OF THE PROPERTY MAY LIE WITHIN ZONE "A" - SPECIAL FLOOD HAZARD AREAS SUBJECT TO FLOODING BY THE 1% ANNUAL CHANCE FLOOD. NO BASE FLOOD ELEVATIONS ARE DETERMINED AS SHOWN ON THE NATIONAL FLOOD INSURANCE RATE MAPS (FIRM), PROVIDENCE COUNTY, RHODE ISLAND (ALL JURISDICTIONS), PANEL 260 OF 451, MAP NUMBER 44007C02600, EFFECTIVE DATE MARCH 2, 2009.
- VERTICAL DATUM: ASSUMED
- WORK SHOWN ON THE PLANS FOR WHICH THERE ARE NO PARTICULAR DETAILS OR SPECIFICATIONS DOES NOT RELIEVE THE CONTRACTOR FROM FINISHING AND INSTALLING THE WORK. THE CONTRACTOR SHALL THOROUGHLY EXAMINE THE CONTRACT DOCUMENTS AND PLANS AND INSPECT THE SITE, AND THE BID PRICE SHALL INCLUDE ALL SERVICES AND MATERIALS AS NECESSARY TO COMPLETE THE PROJECT, ANY CHANGES TO THE PROJECT OR THE INSTALLATION OF AN ITEM FOR WHICH NO PARTICULAR DETAIL OR SPECIFICATION WAS PROVIDED MUST BE REVIEWED BY AND ACCEPTABLE TO THE ENGINEER.

**EROSION CONTROL and SOIL STABILIZATION PROGRAM:**

- DENUDED SLOPES SHALL NOT BE LEFT EXPOSED FOR EXCESSIVE PERIODS OF TIME.
- ALL DISTURBED SLOPES EITHER NEWLY CREATED OR EXPOSED PRIOR TO OCTOBER 15, SHALL BE SEEDED OR PROTECTED BY THAT DATE FOR ANY WORK COMPLETED DURING EACH CONSTRUCTION YEAR.
- TEMPORARY TREATMENTS SHALL CONSIST OF A HAY, STRAW, OR FIBER MULCH OR PROTECTIVE COVERS SUCH AS A MAT OR FIBER LINING (BURLAP, JUTE, FIBERGLASS NETTING, EXCELSIOR BLANKETS). THEY SHALL BE INCORPORATED INTO THE WORK AS WARRANTED OR AS ORDERED BY THE ENGINEER.
- HAY OR STRAW APPLICATIONS SHOULD BE IN THE AMOUNT OF 2000 LBS/ACRE.
- ALL HAYBALES OR TEMPORARY PROTECTION SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS OR APPROVED GROUND COVER IS ESTABLISHED.
- THE TOPSOIL SHALL HAVE A SANDY LOAM TEXTURE RELATIVELY FREE OF SUBSOIL MATERIAL, STONES, ROOTS, LUMPS OF SOIL, TREE LIMBS, TRASH OR CONSTRUCTION DEBRIS.
- THE SEED MIX SHALL BE INOCULATED WITHIN TWENTY FOUR (24) HOURS, BEFORE MIXING AND PLANTING, WITH APPROPRIATE INOCULUM FOR EACH VARIETY.
- THE DESIGN MIX FOR TEMPORARY EROSION CONTROL AND SOIL STABILIZATION SHALL BE COMPRISED OF THE FOLLOWING:

TYPE	% BY WEIGHT
CREeping RED FESCUE	70
ASTORIA BENTGRASS	5
BIRDFOOT TREETOP	15
PERENNIAL RYEGRASS	10

LIMING AND FERTILIZING AS REQUIRED TO COMPLIMENT OR UPGRADE EXISTING CONDITIONS.

- THE CONTRACTOR MUST REPAIR AND/OR RESEED ANY AREAS THAT DO NOT DEVELOP WITHIN THE PERIOD OF ONE (1) YEAR, AND HE SHALL DO SO AT NO ADDITIONAL EXPENSE.
- THE NORMAL ACCEPTABLE SEASONAL SEEDING DATES ARE APRIL 1ST THROUGH OCTOBER 15TH.
- STABILIZATION OF ONE FORM OR ANOTHER AS DESCRIBED ABOVE SHALL BE ACHIEVED WITHIN FIFTEEN (15) DAYS OF FINAL GRADING.
- STOCKPILES OF TOPSOIL SHALL NOT BE LOCATED NEAR WATERWAYS OR FLOOD PLAINS. THEY SHALL HAVE SIDE SLOPES NO GREATER THAN THIRTY PERCENT (30%) AND STOCKPILES SHALL ALSO BE SEEDED AND/OR STABILIZED AND COMPLETELY ENCLOSED WITH A CONTINUOUS LINE OF STAKED HAYBALES AND/OR SILFENCE. (SEE DETAIL)
- ON BOTH STEEP AND LONG SLOPES, CONSIDERATION SHOULD BE GIVEN TO "CRIMPING" OR "TRACKING" TO TACK DOWN MULCH APPLICATIONS.

**SEDIMENTATION CONTROL PROGRAM:**

- EXTREME CARE SHALL BE EXERCISED SO AS TO PREVENT ANY SEDIMENTS FROM ENTERING THE STATE HIGHWAY OR ADJOINING PROPERTIES.
- BANKS OR SLOPES OVER 5% SHALL BE SEEDED AS SOON AS POSSIBLE AND SHALL BE PROTECTED WITH A HAY, STRAW OR FIBER MULCH.
- DURING CONSTRUCTION, THE CONTRACTOR AND/OR DEVELOPER SHALL BE RESPONSIBLE FOR MAINTAINING DRAINAGE AND RUNOFF FLOW DURING STORMS AND PERIODS OF RAINFALL.
- SEDIMENTATION CONTROL DEVICES SHALL BE INSPECTED CLOSELY AND MAINTAINED PROMPTLY AFTER EACH RAINFALL.
- CARE SHALL BE TAKEN SO AS NOT TO PLACE "REMOVED SEDIMENTS" WITHIN THE PATH OF EXISTING, NEWLY CREATED (BOTH TEMPORARY AND PERMANENT) OR PROPOSED WATERCOURSES OR THOSE AREAS SUBJECTED TO STORM WATER FLOW.
- ADDITIONAL HAYBALES, SILT FENCE OR SANDBAGS SHALL BE LOCATED AS CONDITIONS WARRANT OR AS DIRECTED BY THE ENGINEER.

**BMP CONSTRUCTION SEQUENCES:**

**GENERAL:**  
GREAT CARE SHALL BE GIVEN TO THE AREAS WHERE STRUCTURES WHICH REQUIRE INFILTRATION AS A MECHANISM FOR STORMWATER TREATMENT AND/OR DISPOSAL ARE PROPOSED PRIOR TO THEIR CONSTRUCTION. NO INFILTRATION STRUCTURE SHALL BE CONSTRUCTED NOR ACCEPT RUNOFF UNTIL ALL UP-SHEDDING AREAS OF THE WATERSHED HAVE BEEN BUILT AND FULLY STABILIZED SO AS TO HAVE NO POTENTIAL FOR SEDIMENT OR SILT DEPOSITION. ALSO, ONCE THE ENTIRE SITE IS STABILIZED ALL SEED MATERIALS SHALL BE REMOVED.

THE DESIGN SEED MIX FOR ALL PERMANENT STORMWATER BASINS SHALL BE COMPRISED OF THE FOLLOWING AND PLANTED IN A MINIMUM OF A 6" DEPTH OF SANDY LOAM FREE OF SUBSOIL MATERIAL, STONES, ROOTS, LUMPS OF SOIL, TREE LIMBS, TRASH OR CONSTRUCTION DEBRIS:

TYPE	% BY WEIGHT
CREeping RED FESCUE	70
KENTUCKY BLUEGRASS	15
TALL FESCUE	15

APPLICATION RATE 100 LBS/ACRE  
LIMING AND FERTILIZING AS REQUIRED TO COMPLIMENT OR UPGRADE EXISTING CONDITIONS.

**SEDIMENT FOREBAY:**

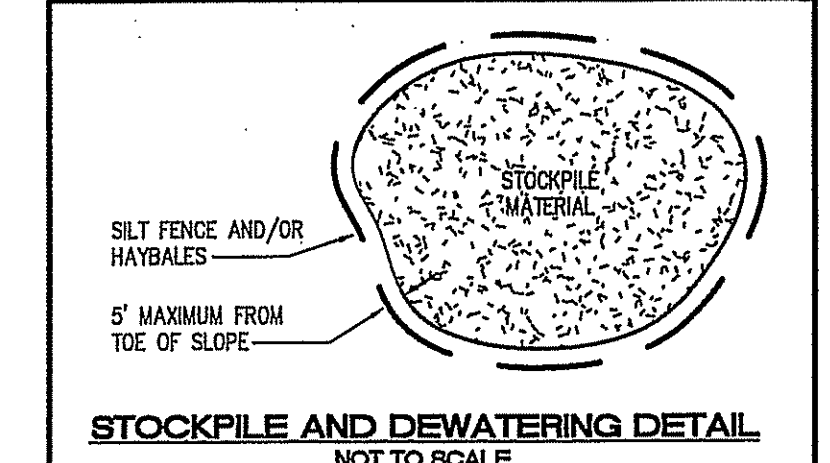
- EXCAVATE TO THE LINES AND GRADES OF THE DESIGN
- INSTALL INLET AND OUTLET STRUCTURES
- INSTALL RIPRAP INLET SHALE
- LOAM AND SEED PER DETAILS WITH PERMANENT SEED MIXTURE

**SAND FILTER:**

- EXCAVATE TO THE LINES AND GRADES OF THE DESIGN
- INSTALL RESTRICTIVE LAYER BELOW FILTER
- INSTALL 6" OF SAND AND ROTO-TILL TO MIX INTO THE SUBSOIL INTERFACE
- SAND FILTER SAND SHALL BE ASTM C33 CONCRETE SAND.
- INSTALL REMAINDER OF SAND
- INSTALL NON-WOVEN GEOTEXTILE
- INSTALL 6" WASHED CRUSHED STONE & PERFORATED DISBURSAL PIPING
- INSTALL NON-WOVEN GEOTEXTILE
- INSTALL VERTICAL PIPE DRAINS
- LOAM AND SEED PER DETAILS WITH PERMANENT SEED MIXTURE

**RETENTION BASIN:**

- EXCAVATE TO THE LINES AND GRADES OF THE DESIGN.
- INSTALL RESTRICTIVE LAYER
- INSTALL INLET AND OUTLET CONTROL STRUCTURES
- LOAM AND SEED ACCORDINGLY WITH PERMANENT SEED MIXTURE



**LONG-TERM MAINTENANCE SCHEDULE (O&M):**

LONG-TERM MAINTENANCE OF THE DRAINAGE SYSTEM SHALL BE COMPLETED BY THE APPLICANT/OPERATOR UNDER A LEGALLY BINDING AND ENFORCEABLE MAINTENANCE AGREEMENT.

OWNER: LOUIS A. POLSENA  
661 HARTFORD PIKE  
N. SCITUATE, RI 02857

THE CONTRACTOR / OPERATOR SHALL MAINTAIN ALL DRAINAGE COMPONENTS DURING AND DIRECTLY AFTER CONSTRUCTION. ALL OPERATIONAL MAINTENANCE REQUIREMENTS WILL BE RECORDED ON THE TITLE.

OPERATOR / CONTRACTOR: DEFAULTS TO OWNER UNTIL HOMOWNERS ASSOCIATION HAS BEEN CREATED

THE ENTIRE STORMWATER SYSTEM SHALL BE INSPECTED THROUGHOUT THE CONSTRUCTION PROCESS AND REPORTED ON THE ATTACHED CONSTRUCTION INSPECTION REPORTING FORMS.

THE ENTIRE STORMWATER MANAGEMENT SYSTEM SHALL BE INSPECTED ON A BI-ANNUAL BASIS FOR GENERAL PROBLEMS AND TO ENSURE PROPER FUNCTION AND AFTER STORM EVENTS GREATER THAN OR EQUAL TO THE 1-YR, 24-HR TYPE III PRECIPITATION EVENT (2.7"). THESE INSPECTIONS SHALL BE REPORTED ON THE ATTACHED O&M INSPECTION REPORTING FORMS.

ALL INSPECTIONS REPORTS SHALL BE KEPT ON FILE WITH THE STORMWATER MANAGEMENT OPERATION AND MAINTENANCE PLAN.

**SEDIMENT FOREBAY:**

- THE SLOPES SHOULD BE INSPECTED FOR EROSION AND GULLYING
- RIPRAP SHOULD BE REINFORCED IF EROSION IS PRESENT AT OUTFALLS OR IF IT HAS BEEN COMPROMISED
- INSPECT ALL STRUCTURAL COMPONENTS SUCH AS TRASH RACKS, ACCESS GATES, VALVES, PIPES, WEIRS, WALLS, ORIFICE STRUCTURES AND SPILLWAY STRUCTURES FOR DEFECTS AND ANY MUST BE REPAIRED IMMEDIATELY
- INSPECT FOR SEDIMENT ACCUMULATION AND IT SHOULD BE REMOVED IF IT REACHES 9" OR 25% OF THE STORAGE VOLUME
- MOW GRASSES TO MAINTAIN A 4-6" STRONG STAND OF TURF AND MOW IMMEDIATELY SHOULD IT REACH 10". ALL CLIPPINGS SHALL BE COLLECTED AND DISPOSED OF PROPERLY
- NO WOODY GROWTH SHOULD EVER BE ALLOWED TO REMAIN IN AND AROUND THE FOREBAY
- AREAS OF EROSION OR DISTURBANCE SHALL BE RE-ESTABLISHED IMMEDIATELY INLETS AND OUTLETS SHALL BE CLEARED OF DEBRIS AS NEEDED

**SAND FILTER:**

- THE FACILITY SHOULD BE INSPECTED ANNUALLY TO ENSURE INFILTRATION RATES ARE BEING MET. IF STANDING WATER IS OBSERVED FOR MORE THAN 48 HRS AFTER A RAIN EVENT THE TOP 60 SHOULD BE ROTOTILLED AND ANY COMPACTED REMOVED. IF THIS DOESN'T SOLVE THE PROBLEM THE TOP 60 OF THE SAND FILTER SHALL BE REMOVED AND REPLACED.
- RIPRAP SHOULD BE REINFORCED IF EROSION IS PRESENT AT OUTFALLS OR IF IT HAS BEEN COMPROMISED
- MOW GRASSES TO MAINTAIN A 4-6" STRONG STAND OF TURF. ALL CLIPPINGS SHALL BE COLLECTED AND DISPOSED OF PROPERLY
- NO WOODY GROWTH SHOULD EVER BE ALLOWED TO REMAIN IN AND AROUND THE FOREBAYS
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**RETENTION BASIN:**

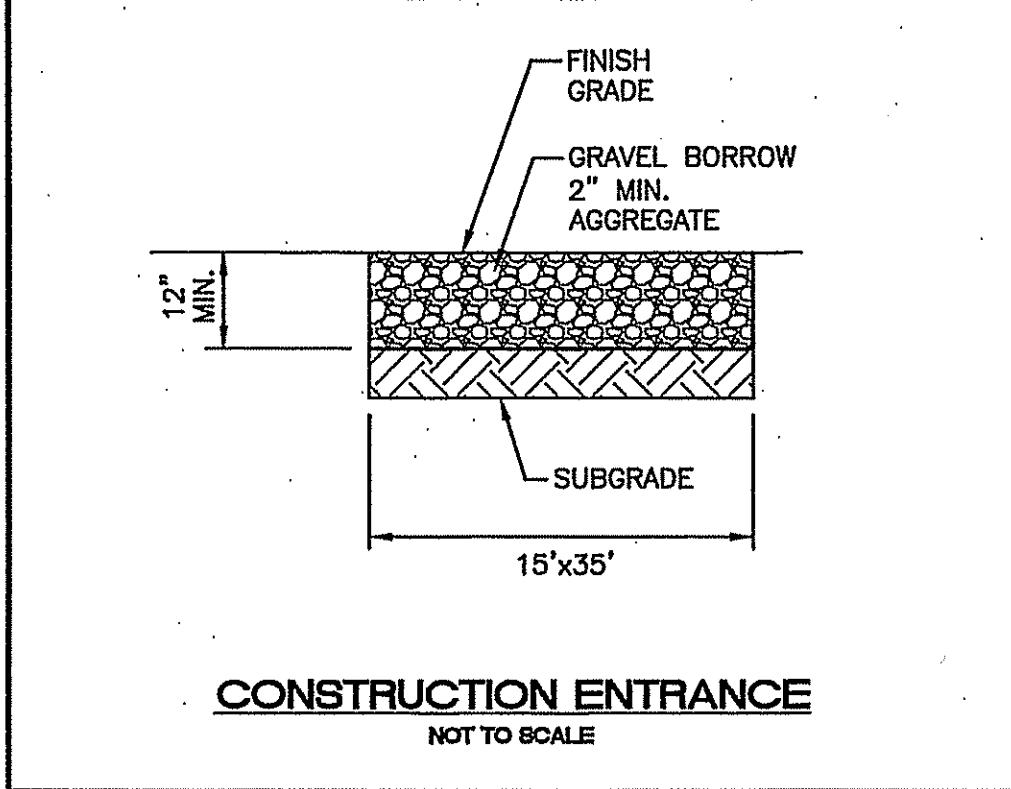
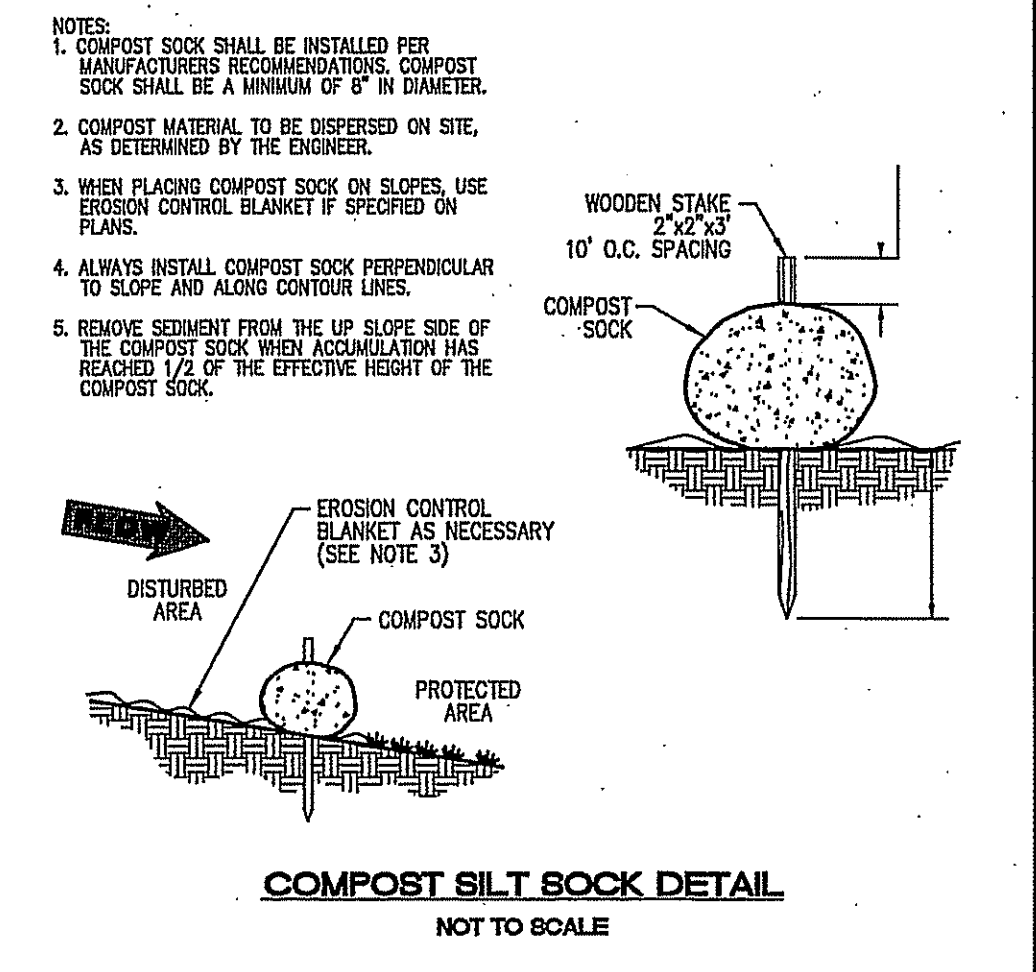
- THE FACILITY SHOULD BE INSPECTED ANNUALLY FOR EROSION, GULLYING OR DAMAGE AND CLEANED OF DEBRIS AND TRASH
- RIPRAP SHOULD BE REINFORCED IF EROSION IS PRESENT AT OUTFALLS OR IF IT HAS BEEN COMPROMISED
- MOW GRASSES TO MAINTAIN A 4-6" STRONG STAND OF TURF. ALL CLIPPINGS SHALL BE COLLECTED AND DISPOSED OF PROPERLY
- NO WOODY GROWTH SHOULD EVER BE ALLOWED TO REMAIN IN AND AROUND THE FOREBAYS
- AREAS OF EROSION OR DISTURBANCE SHALL BE RE-ESTABLISHED IMMEDIATELY
- INLETS AND OUTLETS SHALL BE CLEARED OF DEBRIS AS NEEDED

**ESTIMATED O&M BUDGET & FUNDING SOURCE:**

THE PROJECT OPERATOR WILL BE THE OWNER AND HE SHALL BE RESPONSIBLE FOR FUNDING THE O&M BUDGET.

ESTIMATE OF O&M BUDGET:

BI-ANNUAL INSPECTIONS:	\$1,000 EA x 2	\$2,000
BI-WEEKLY MOWING:	\$200 EA x 13	\$2,600
MISC. REPAIRS:	\$1,000	\$1,000
ADDITIONAL INSPECTIONS:	\$1,000 EA x 2	\$2,000
<b>TOTAL ESTIMATE:</b>		<b>\$7,600 / YR</b>



**CONSTRUCTION MAINTENANCE:**

THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSPECTION, MAINTENANCE AND REPAIR TO ALL DRAINAGE STRUCTURES AND RELATED APPURTENANCES ON THE SITE DURING CONSTRUCTION AND FOR A MAXIMUM OF ONE (1) YEAR FOLLOWING COMPLETION OF CONSTRUCTION AT WHICH TIME THE DRAINAGE STRUCTURES AND APPURTENANCES ARE TO BE ACCEPTED BY THE ENGINEER AND THE OWNER, AS FOLLOWS:

- ALL CATCH BASINS AND STORM DRAIN PIPES SHALL BE CLEANED OF SEDIMENT. STORMWATER BASINS SHALL BE CLEANED OF SEDIMENT TO THE DESIGN GRADES INDICATED ON THE CONSTRUCTION DRAWINGS.
- INSPECTION OF THE BASINS AND ALL INLET AND OUTLET STRUCTURES SHALL BE PERFORMED ON A WEEKLY BASIS, PREFERABLY DURING A STORM EVENT TO INSPECT FOR PROPER FUNCTIONING OF THE FACILITY.
- GRASSES MUST BE PLANTED AROUND AND WITHIN THE STORMWATER BASIN IMMEDIATELY FOLLOWING CONSTRUCTION TO STABILIZE THE SLOPES AND PREVENT EROSION.
- SEDIMENTS SHALL BE REMOVED FROM DRAINAGE STRUCTURES AND THE STORMWATER BASINS IMMEDIATELY FOLLOWING SITE STABILIZATION AND DURING THE FIRST (INITIAL) YEAR OF OPERATION.
- ALL COSTS INCURRED FOR MAINTENANCE, CLEANING, AND INSPECTION ARE THE RESPONSIBILITY OF THE CONTRACTOR DURING CONSTRUCTION AND THE PROPERTY OWNER UPON ACCEPTANCE.
- ANY UNWARRANTED OR DELIBERATE DISCHARGE OF WASTE OIL OR ANY OTHER POLLUTANT TO THE STORMWATER DISPOSAL SYSTEM REQUIRES IMMEDIATE NOTIFICATION OF THE RIDEM.
- ALL TRASH AND LITTER AND OTHER DEBRIS SHALL BE REMOVED FROM ANY STORMWATER FACILITY DAILY, INCLUDING INLET AND OUTLET STRUCTURES.
- REPAIRS OR REPLACEMENT OF INLET/OUTLET STRUCTURES, RIP-RAP CHANNELS, FENCES, OR OTHER ELEMENTS OF THE FACILITY DURING CONSTRUCTION SHALL BE DONE WITHIN 30 DAYS OF DEFICIENCY REPORTS.
- PAVEMENT SWEEPING SHALL BE PERFORMED UPON COMPLETION OF THE PROJECT.
- WATER SHALL BE USED TO MOISTEN EXPOSED SOIL SURFACES PERIODICALLY. AN ADEQUATE AMOUNT SHOULD BE USED TO CONTROL DUST.

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**POLLUTION PREVENTION PLAN:**

GENERAL:  
LONG-TERM MANAGEMENT OF THE POLLUTION PREVENTION PLAN SHALL BE THE RESPONSIBILITY OF THE OWNER / OPERATOR.

OWNER: LOUIS A. POLSENA  
661 HARTFORD PIKE  
N. SCITUATE, RI 02857

THE CONTRACTOR SHALL MANAGE THE POLLUTION PREVENTION PLAN DURING THE CONSTRUCTION PROCESS.

CONTRACTOR: TBD

**SOLID WASTE CONTAINMENT:**

- TRASH RACKS WHERE PRACTICAL SHALL BE INSTALLED AND MAINTAINED ON ALL INLET STRUCTURES WITHIN THE DRAINAGE SYSTEM. INSPECTIONS FOR TRASH SHOULD BE ON A WEEKLY BASIS.
- TRASH RECEPTACLES SHALL BE PROVIDED THROUGHOUT THE DEVELOPMENT.
- STREET SWEEPING SHALL BE PERFORMED ON AN ANNUAL BASIS.
- PET WASTE DISPOSAL STATIONS SHALL BE PROVIDED WHERE APPLICABLE.

**SNOW DISPOSAL AND DEICING:**

- SAND AND DEICING MATERIALS SHALL BE STORED UNDER COVER ON SITE TO PREVENT EXPOSURE TO STORMWATER.
- SNOW REMOVAL SHALL BE PERFORMED IN ACCORDANCE WITH RIDEM'S SNOW DISPOSAL POLICY.

**DRIVEWAY AND PARKING LOT SEALANTS:**

- ON STANDARD ASPHALT AREAS, ONLY ASPHALT BASED SEALANTS ARE ALLOWED, NO COAL-TAR BASED SEALANTS SHALL BE USED ON THIS SITE.

**HAZARDOUS MATERIALS CONTAINMENT:**

- NO HAZARDOUS MATERIALS SHALL BE STORED OUTSIDE TO AVOID EXPOSURE TO STORMWATER.

**LANDSCAPE MANAGEMENT:**

- GRASS CLIPPINGS FROM LAWN CARE PROCEDURES IN AND AROUND THE STORMWATER FACILITY MUST BE COLLECTED AND DISPOSED OF OFF SITE.
- GENERAL LAWN HEIGHTS ON SITE SHALL BE KEPT AT A 4-6" HEIGHT.
- FERTILIZER AND WATERING DEMANDS SHOULD BE HAVE PROFESSIONAL OVERSIGHT AND BOTH USES MINIMIZED TO THE MAXIMUM EXTENT PRACTICAL.

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OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED APR 23 2018 FILE # A-072  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Signature of Jeffrey C. Hanson*

NO.	DATE	REVISION
1	2/12/2018	DEM COMMENTS

JEFFREY C. HANSON  
No. 5238  
PROFESSIONAL ENGINEER

ILLSTONE ENGINEERING, P.C.  
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NOTES AND DETAILS

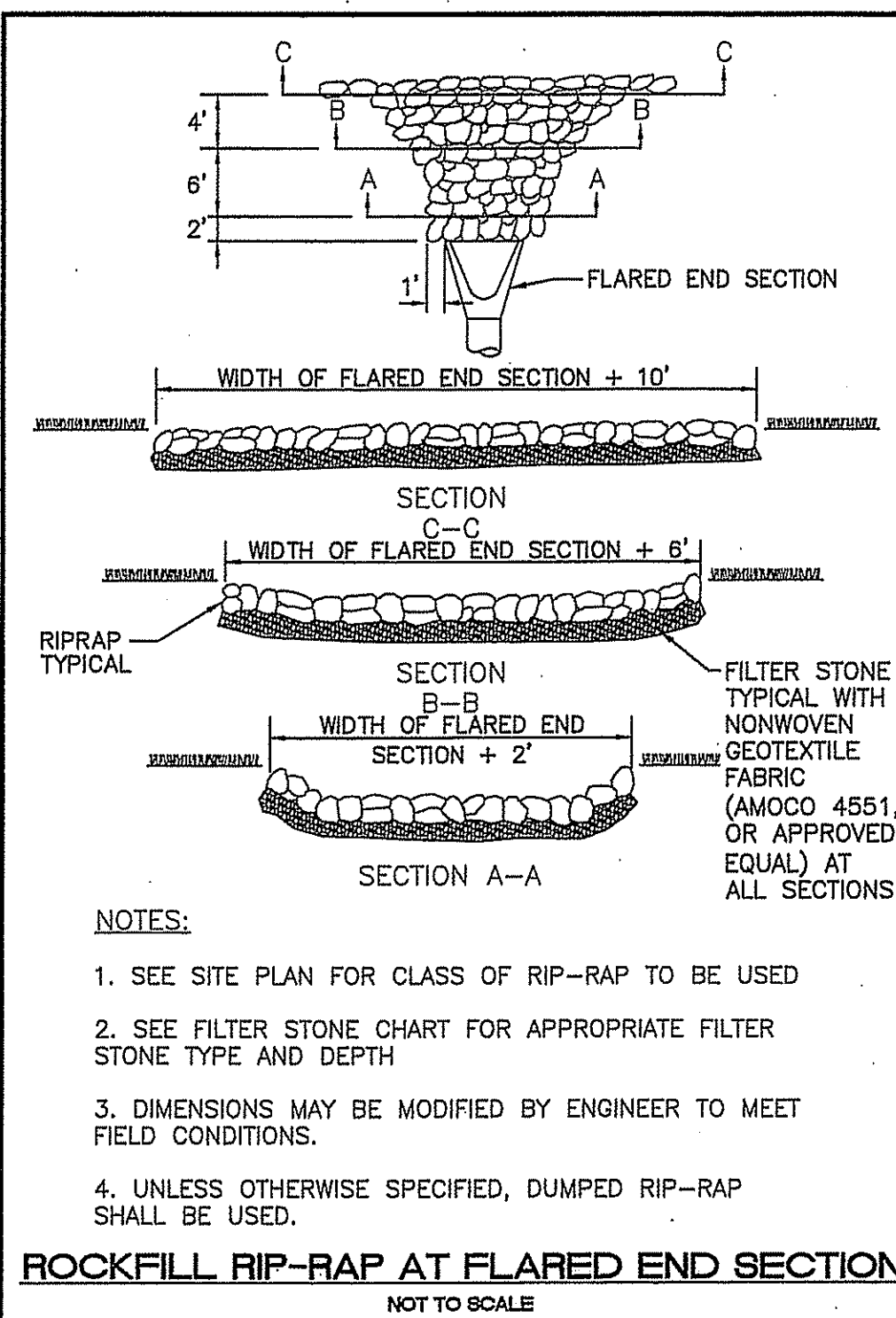
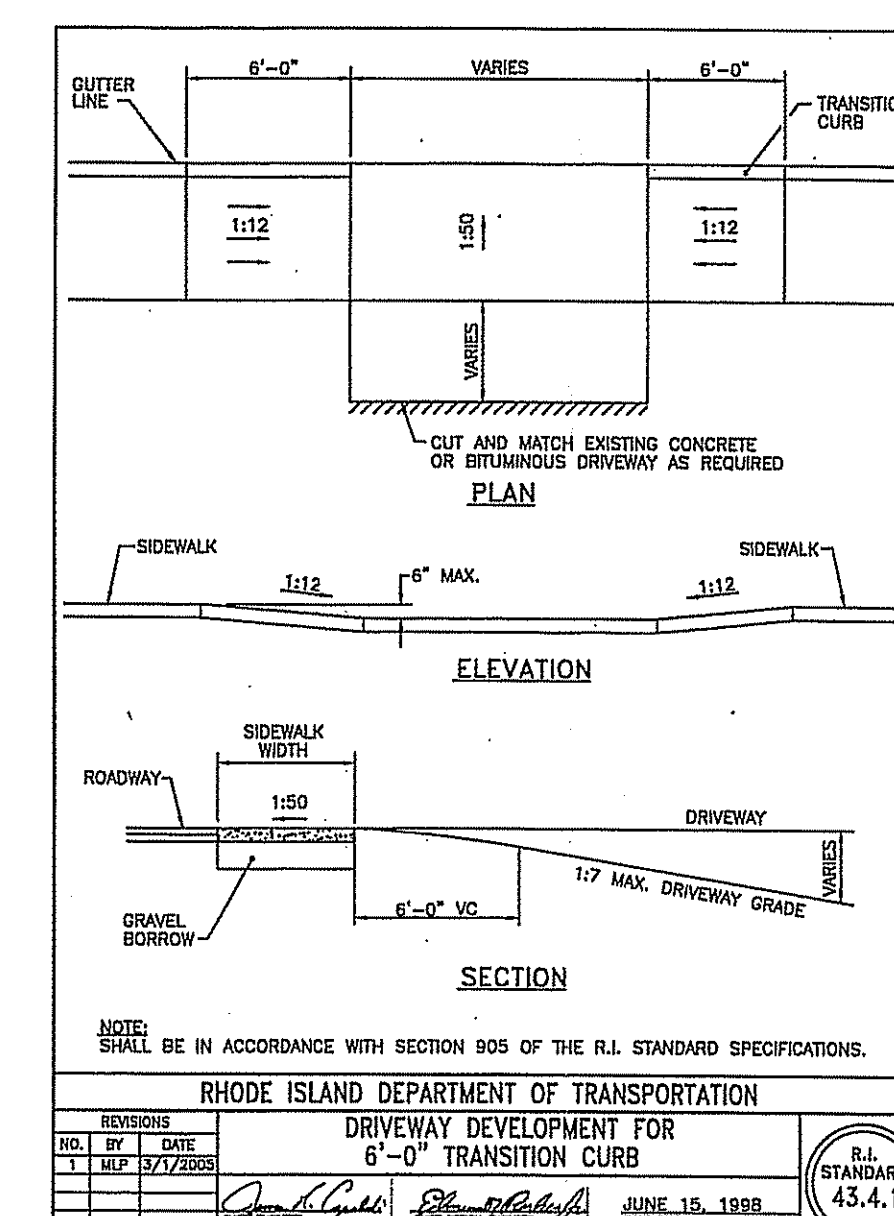
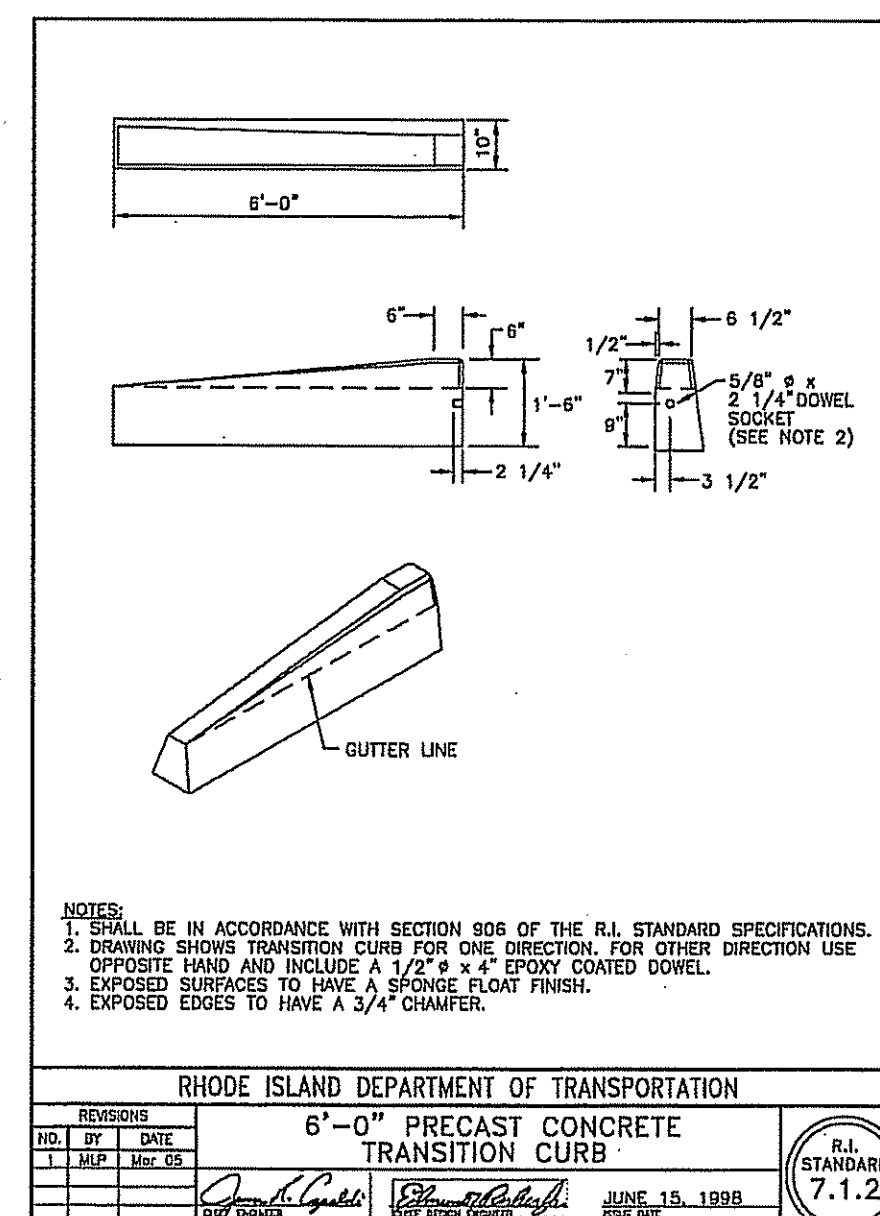
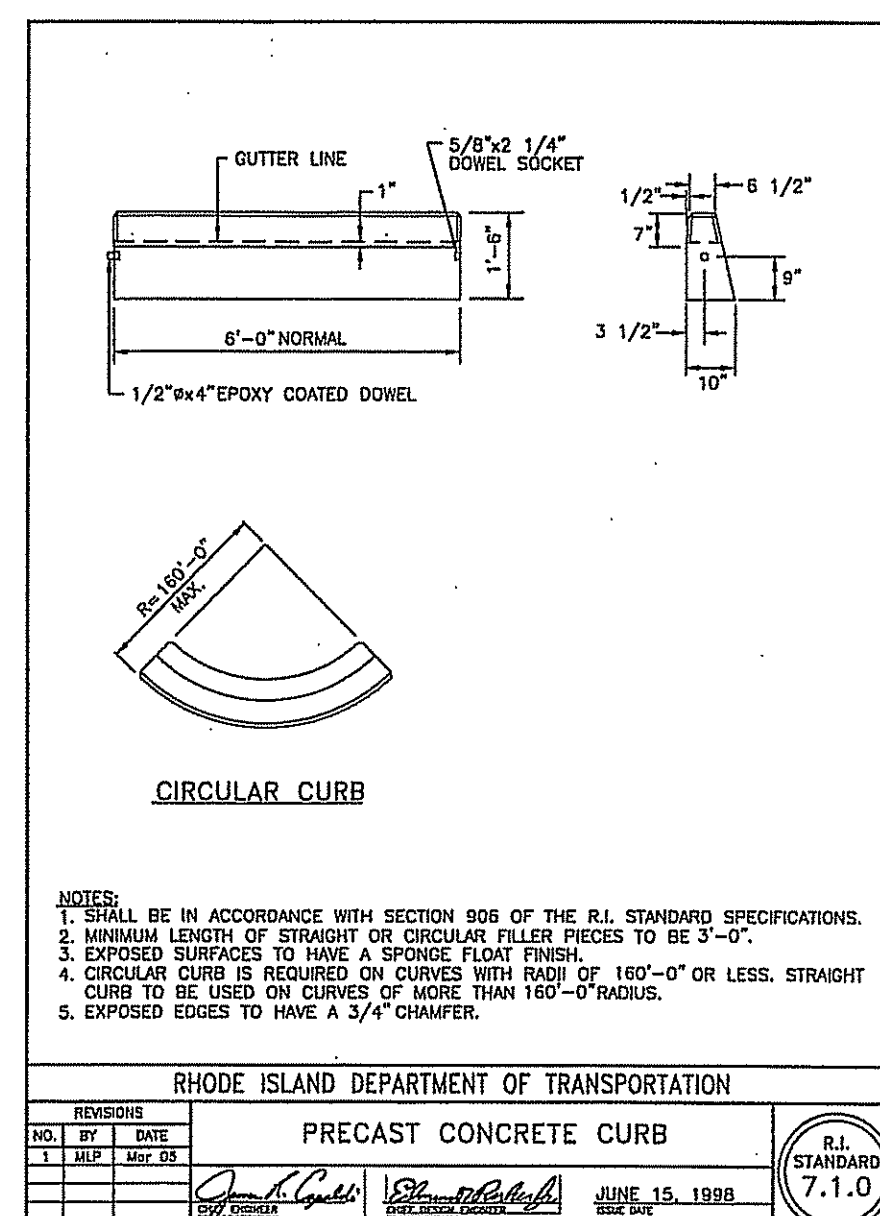
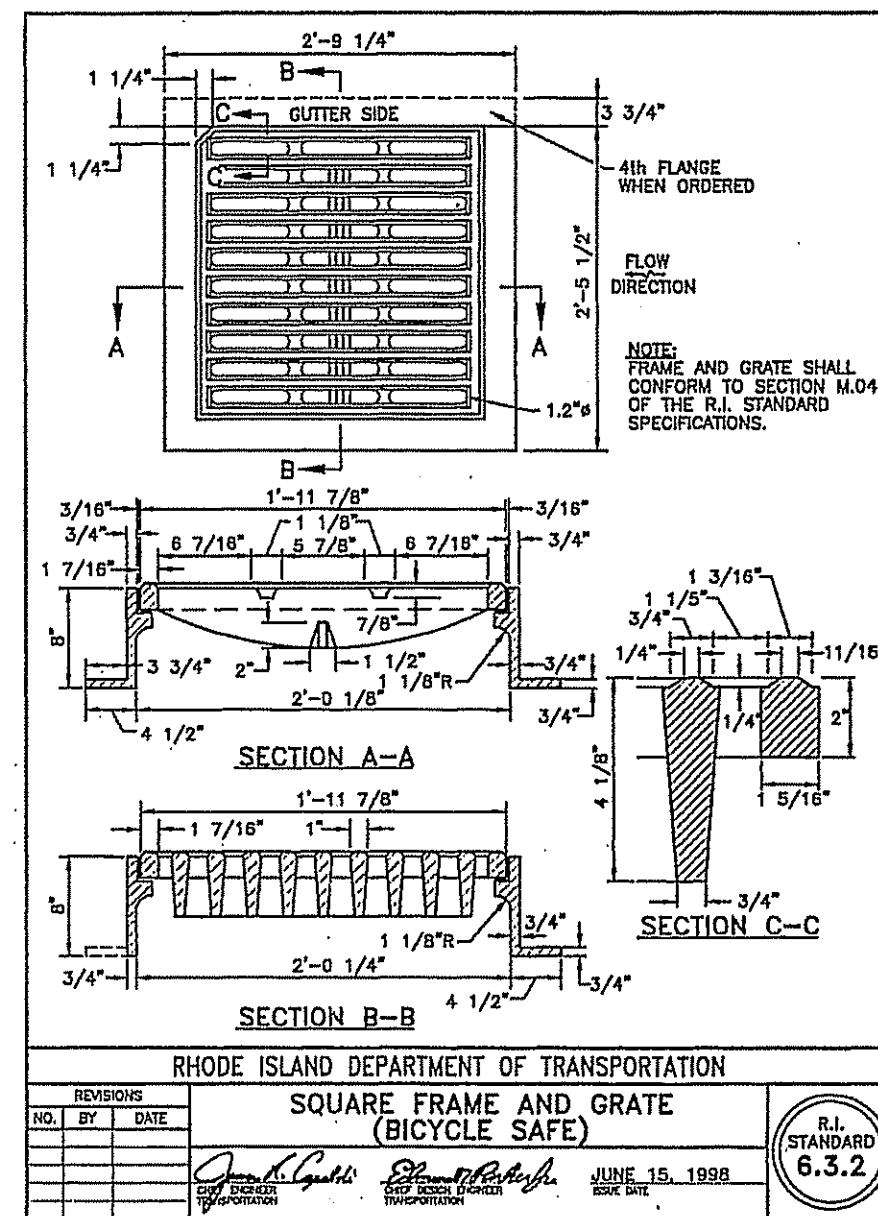
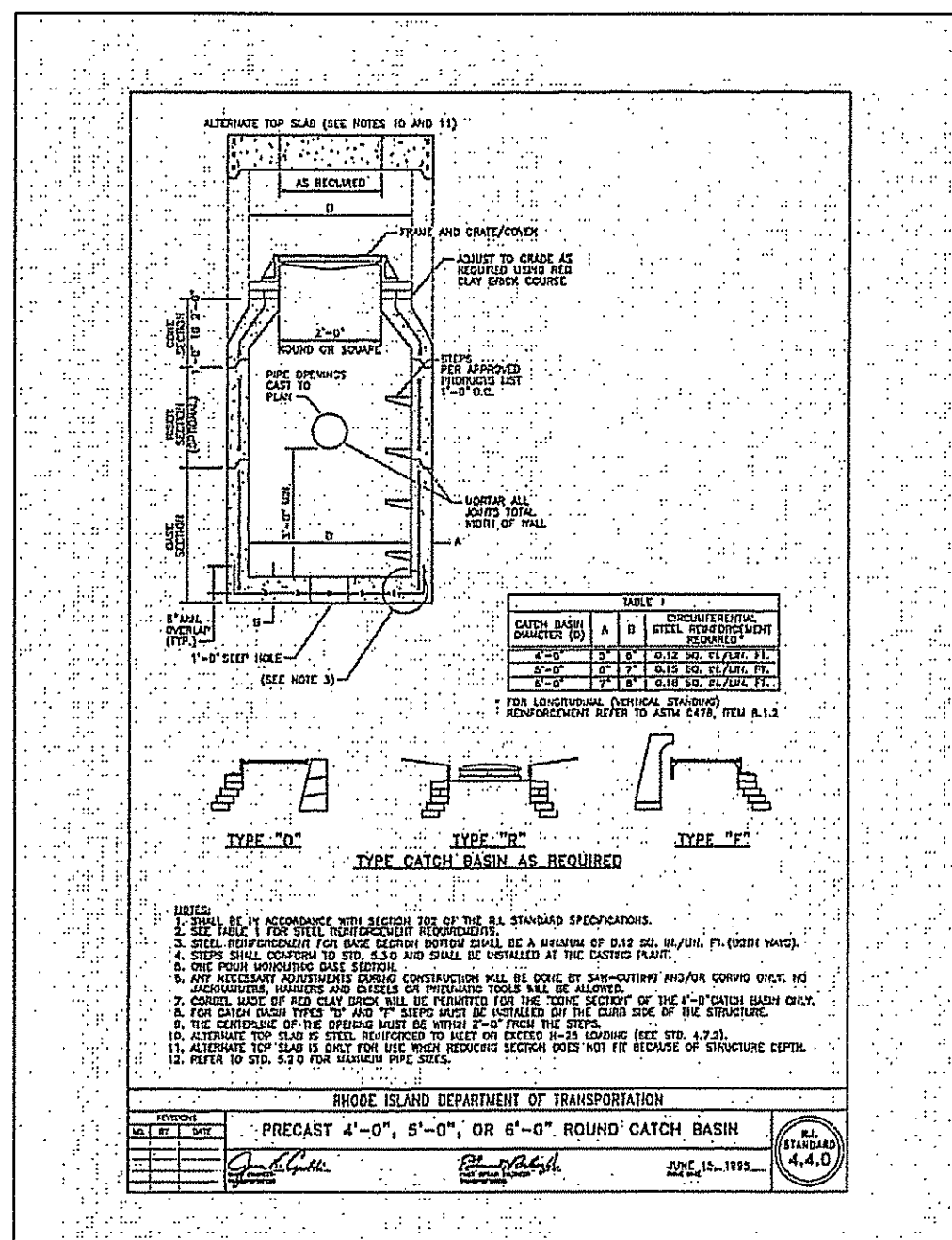
LOU'S PIZZA & WINE

A.P. 22, LOT 147  
661 HARTFORD PIKE  
N. SCITUATE, RI

PREPARED FOR:  
LOUIS A. POLSENA

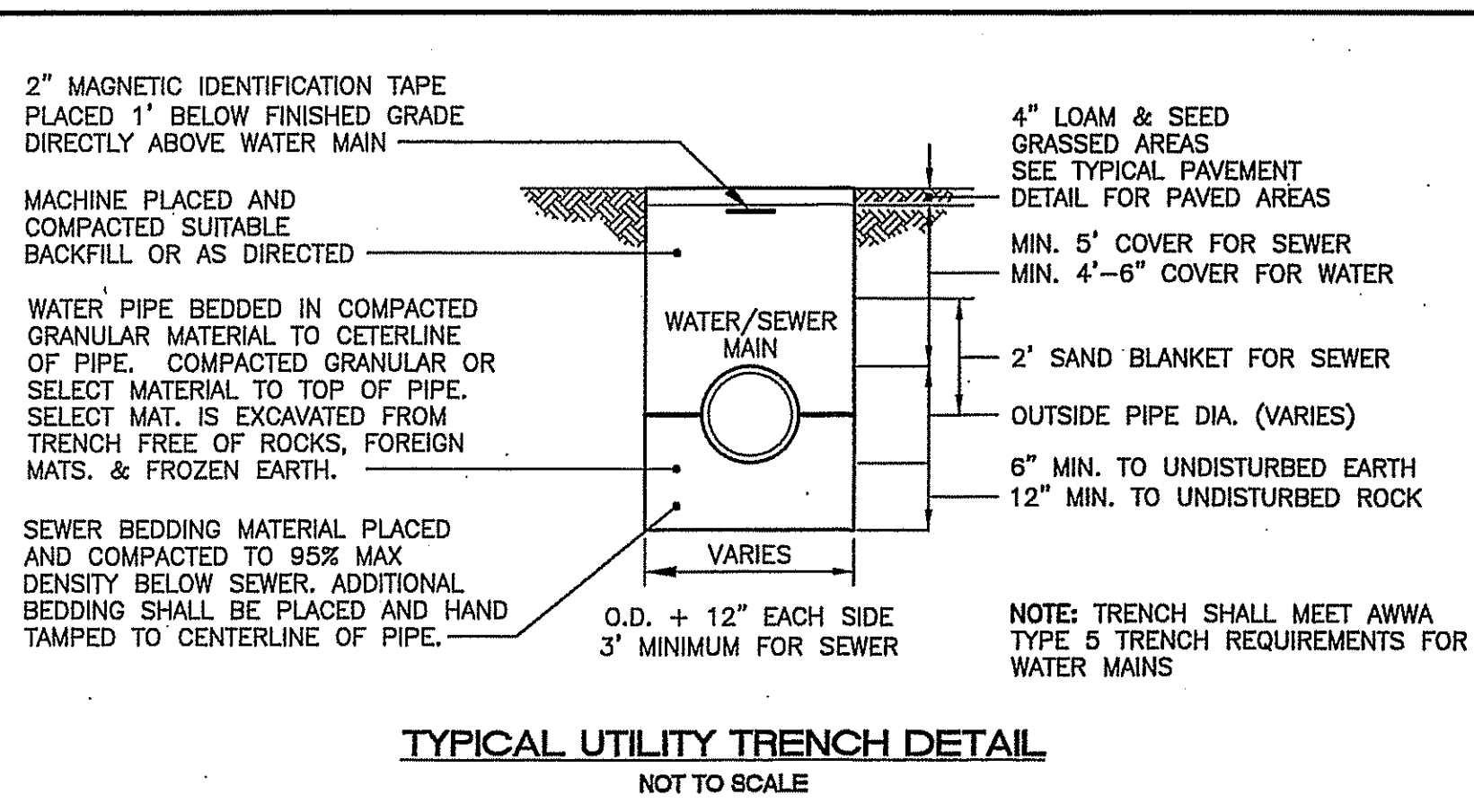
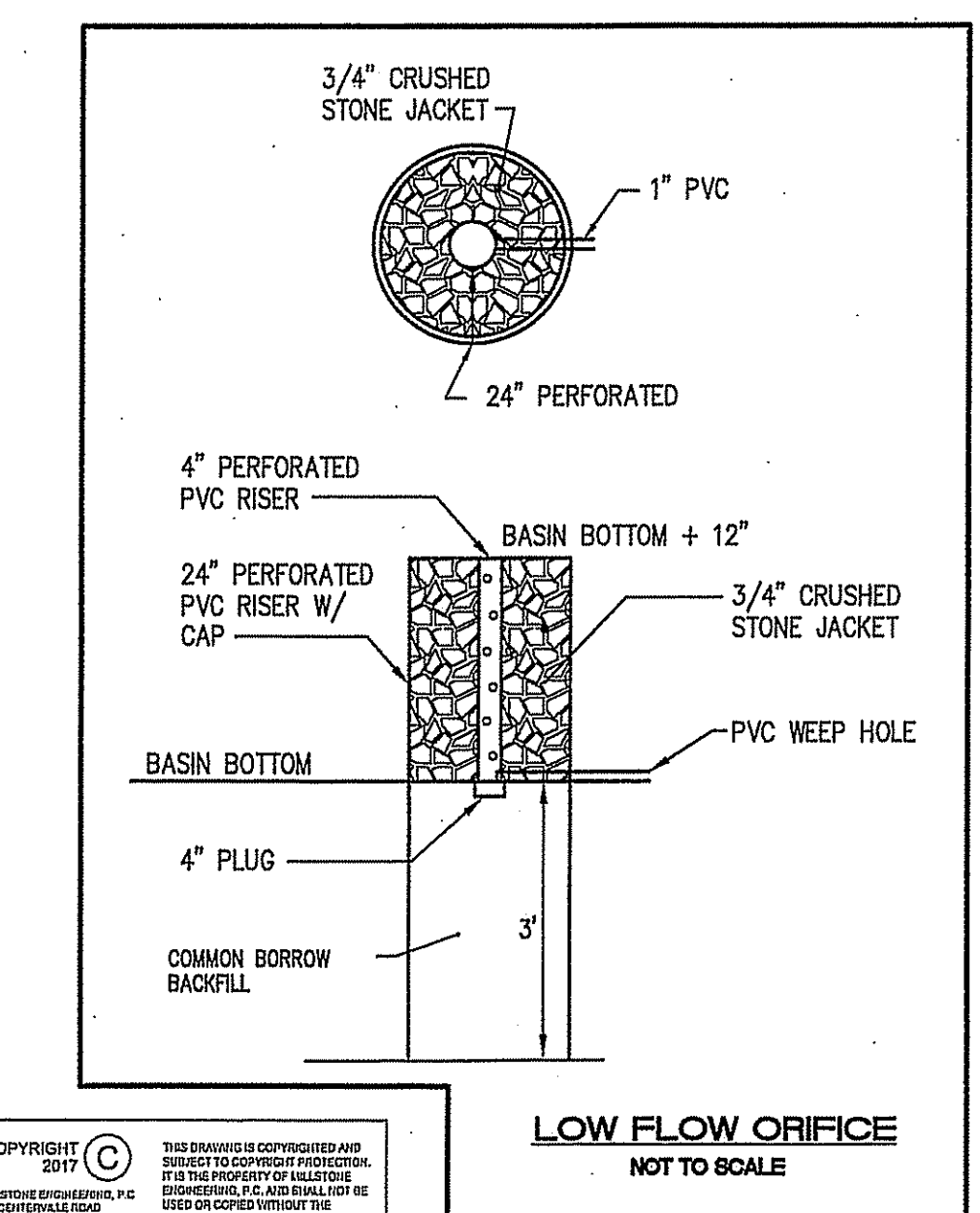
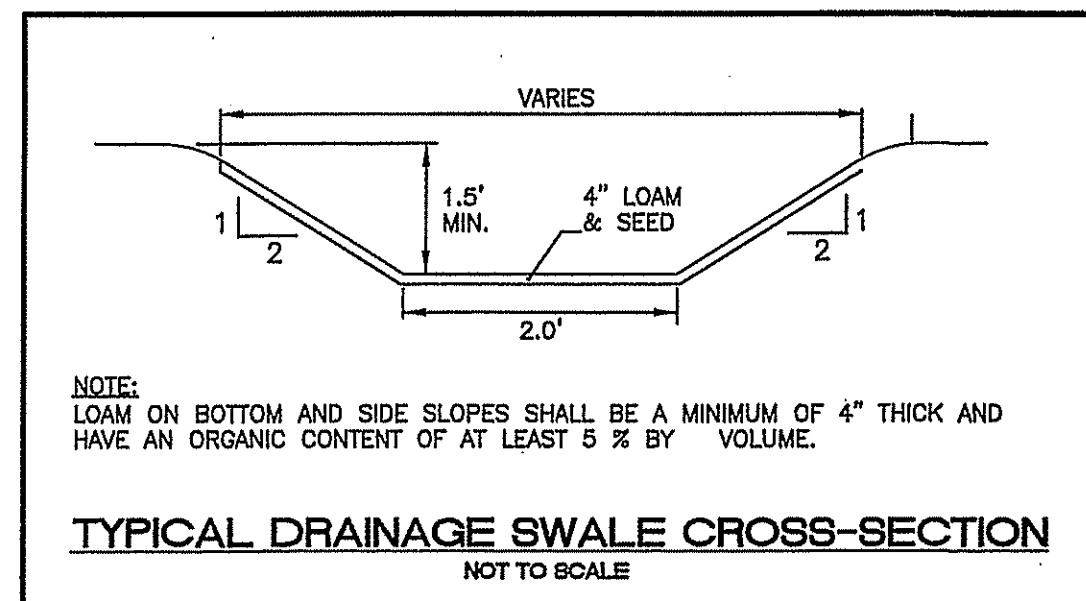
SCALE: NTS  
OCTOBER 2017

Drawn By: BJC  
Checked By: JCH  
Sheet  
5  
of 6  
FILE NO.: 14.200.284



RIPRAP	FILTER STONE	DEPTH
R-1	FS-1	6"
R-2	FS-2	6"
R-3	FS-2	6"
R-4	FS-3	7.5"
R-5	FS-3	7.5"
R-6	FS-2 and R-2	6"/ 6"
R-7	FS-3 and R-4	7.5"/ 21"
R-8	FS-3 and R-4	7.5"/ 21"

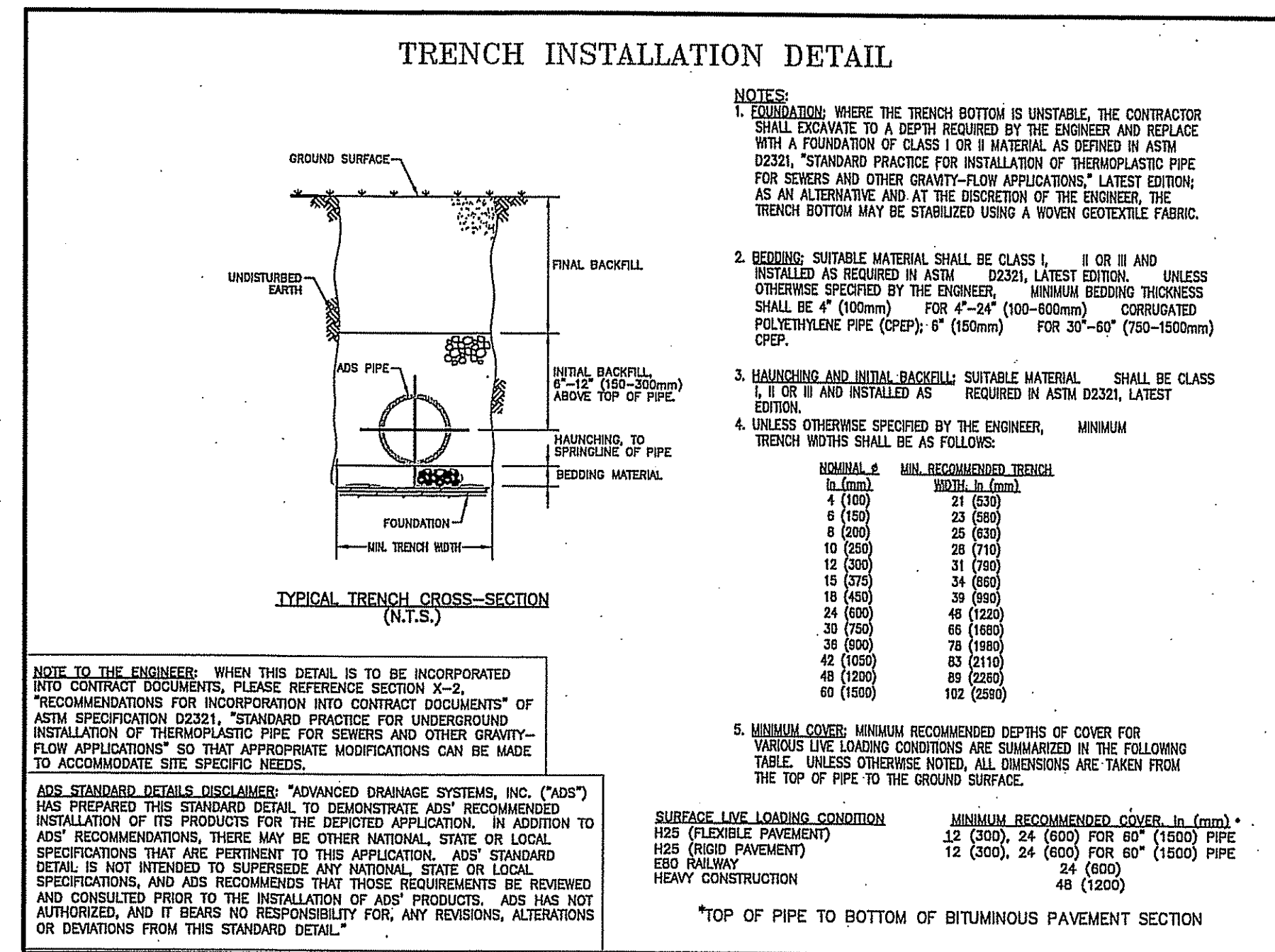
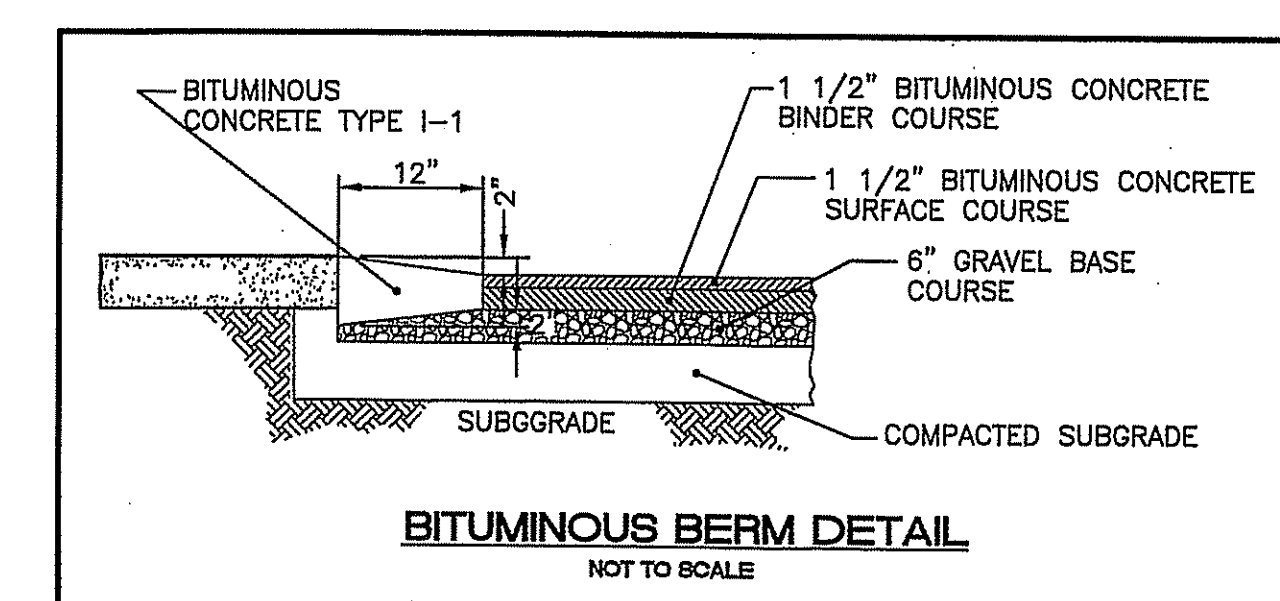
FILTER STONE CHART



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*Cynthia D. Wenzel*



NO.	DATE	REVISION

JEFFREY C. HANSON  
No. 6238  
Professional Engineer

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DETAILS - 1

LOU'S PIZZA & WINE

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N. SCITUATE, RI

PREPARED FOR:  
LOUIS A. POLSENO

SCALE: NTS  
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