

LOCUS MAP
NOT TO SCALE

SITE PLAN

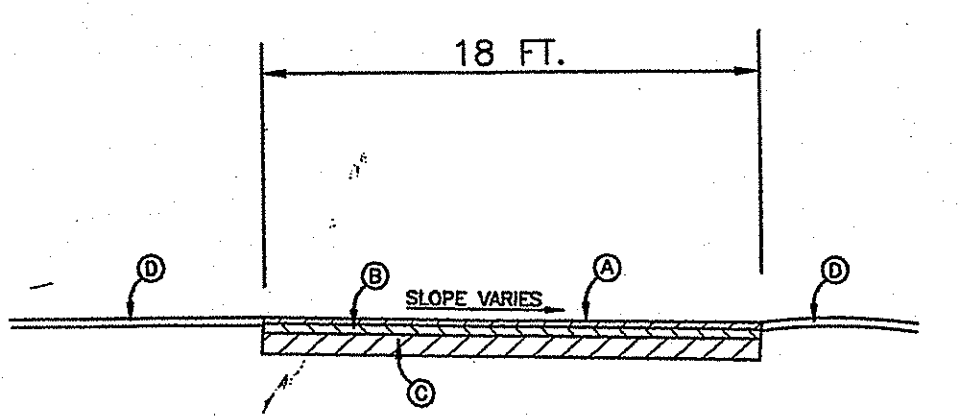
FOR

**SHON CUTHILL DBA
C&C LANDSCAPING**

LOCATED AT
**350 SOUTH COUNTY TRAIL
EXETER, R.I.**
BEING A.P. 72, BLOCK 6, LOT 8
LOT AREA = 4.00 AC.

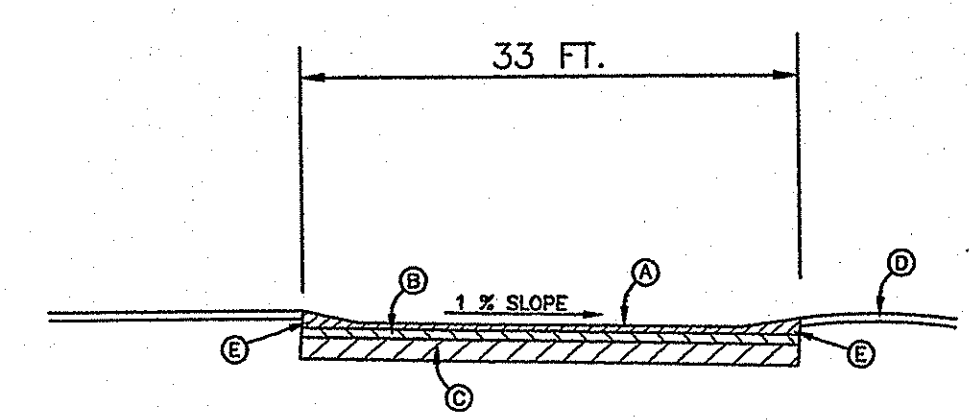
ZONE B-GWOL

- MINIMUM FRONTAGE = 150'
- FRONT SETBACK = 100'
- SIDE SETBACK = 30'
- REAR SETBACK = 75'
- MAXIMUM STRUCTURE HEIGHT = 40'
- MAXIMUM LOT COVERAGE = 25%



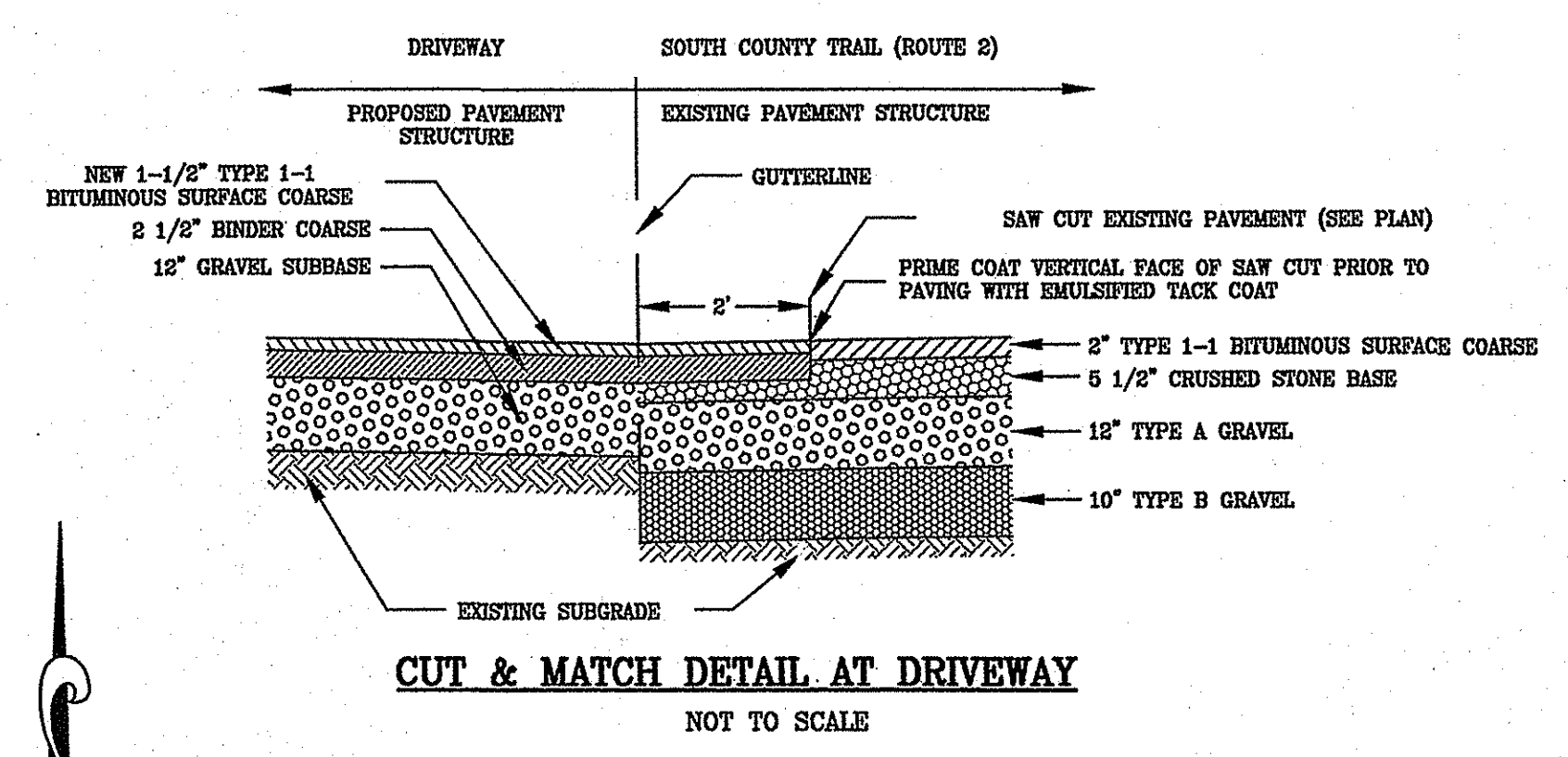
DRIVEWAY SECTION
NOT TO SCALE

- (A) 1-1/2" ASPHALT SURFACE COURSE.
- (B) 2-1/2" ASPHALT BINDER COURSE.
- (C) GRAVEL BORROW BASE COURSE 12" IN CUT & FILL.
- (D) 4" LOAM WITH TYPE I, II OR III SEED.



PAVED PARKING LOT SECTION
NOT TO SCALE

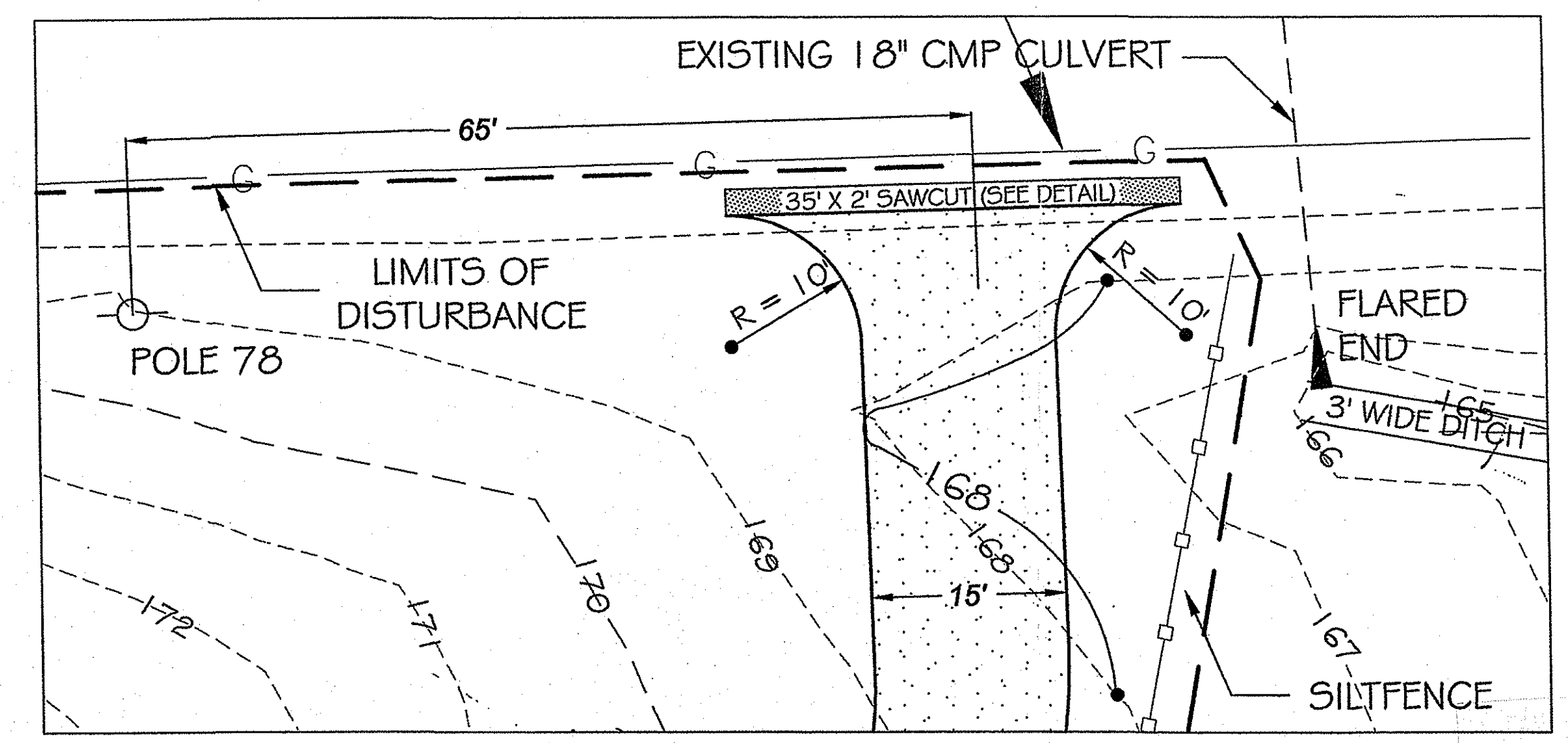
- (A) 1-1/2" ASPHALT SURFACE COURSE.
- (B) 2-1/2" ASPHALT BINDER COURSE.
- (C) GRAVEL BORROW BASE COURSE 12" IN CUT & FILL.
- (D) 4" LOAM WITH TYPE I, II OR III SEED.
- (E) BITUMINOUS BERM



CUT & MATCH DETAIL AT DRIVEWAY
NOT TO SCALE

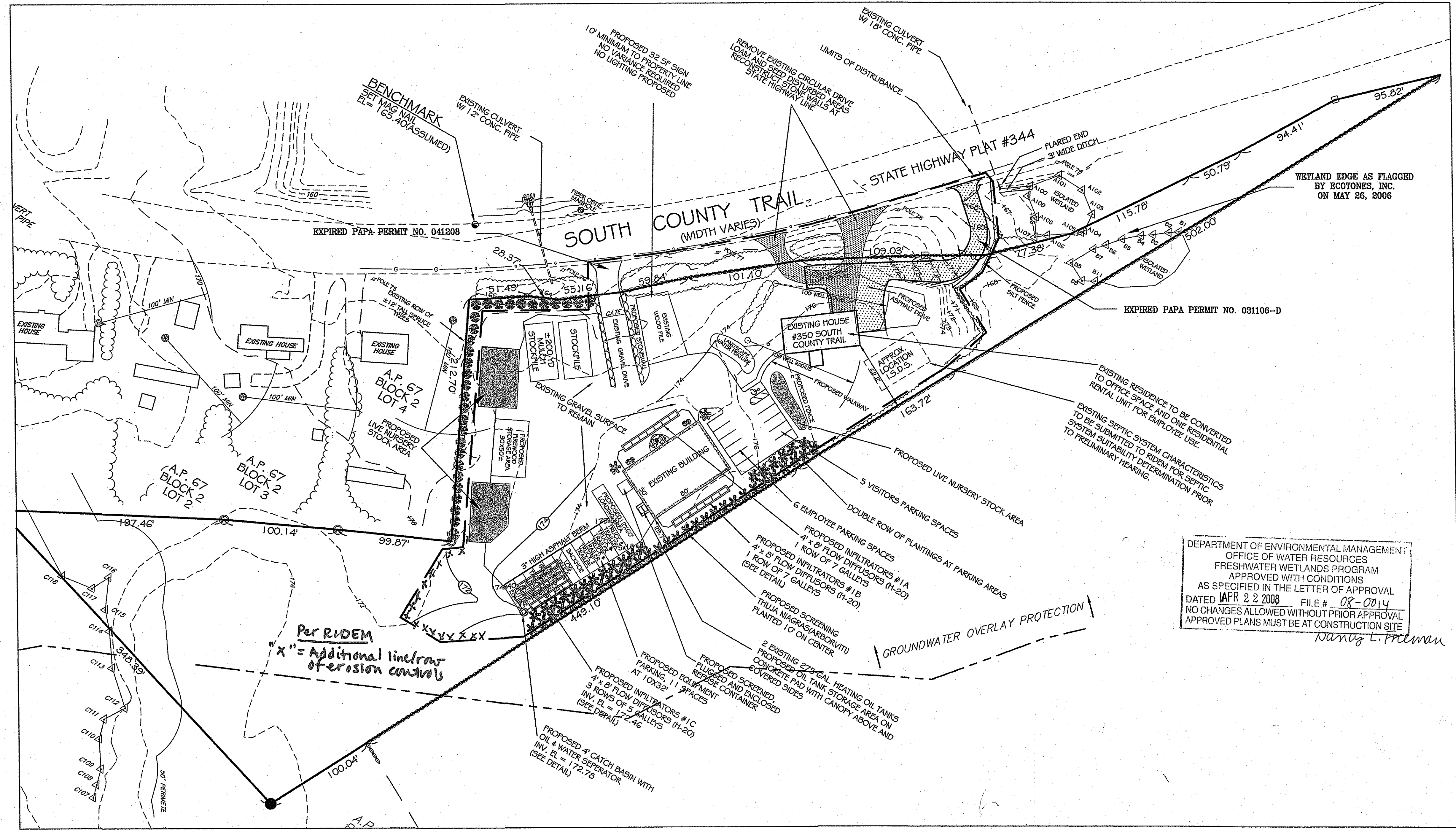
- LEGEND**
- 174- EXISTING CONTOUR
 - EXISTING GRANITE BOUND
 - SET IRON PIN
 - EXISTING IRON PIN
 - EXISTING UTILITY POLE
 - EXISTING WELL
 - STONEMALL
 - EXISTING TREELINE
 - EXISTING DRIVE
 - EDGE OF PAVEMENT
 - EXISTING TREE
 - WETLAND FLAG

NOTES:
1. BASE MAP AND PHYSICAL DATA TAKEN FROM AERIAL PHOTOGRAPHY, DATED: DECEMBER 13, 2000;
WITH A HORIZONTAL ACCURACY OF +/- 1' AND A VERTICAL ACCURACY OF +/- 1'.



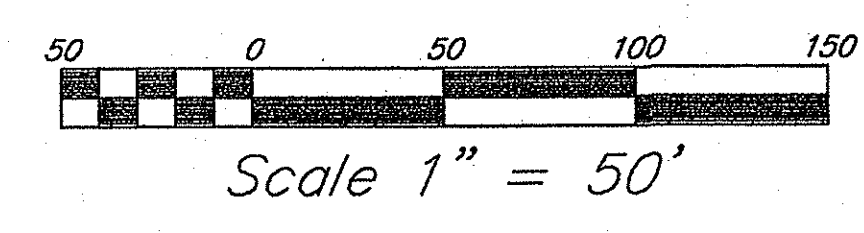
CURBCUT DETAIL AT DRIVEWAY
1"=10'

APR - 2 2008



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED APR 22 2008 FILE # 08-0014
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Danmy L. Freeman



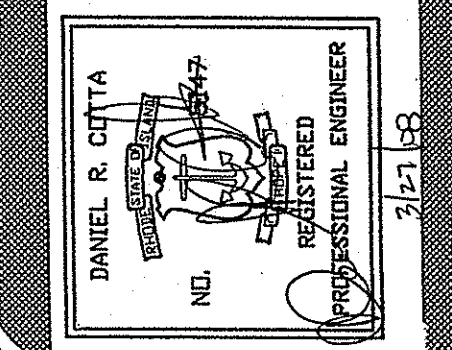
NOTES:
1. ALL WORK WITHIN THE STATE'S RIGHT OF WAY WILL CONFORM TO RIDOT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2004 EDITION INCLUDING ALL REVISIONS AND STANDARD DETAILS, JUNE 15, 1998, AS AMENDED BY REVISION.
2. ALL TRAFFIC CONTROLS WILL BE IN CONFORMANCE WITH MUTCD 2003.

BEING A.P. 72, BLOCK 6, LOT 8
LOT AREA = 4.00 AC.

SITE PLAN
FOR
**SHON CUTHILL, DBA
C&C LANDSCAPING**
LOCATED AT
**350 SOUTH COUNTY TRAIL
EXETER, R.I.**

Checked By: **DrC**
Drawn By: **BCO**
Scale: 1" = 50'
Date: 10/23/2007

NO.	REVISION	BY	DATE
1.	REVISED PER WETLAND COMMENTS	BCO	3/24/08



AMERICAN ENGINEERING, INC.
Professional Engineer / Professional Land Surveyor
DANIEL R. COTTA
400 South County Trail - Suite A 201
Exeter, Rhode Island 02822
Phone (401) 294-4090 / Fax (401) 294-3625

Sheet **1**
of **2** sheets
Drawing No. _____
Dr. _____ Sh. _____

FEMA DETERMINATION
ZONE "C" - AREA OF MINIMAL FLOODING
PANEL NO. - 440032 0027 A
EFFECTIVE - MARCH 1, 1982

GENERAL NOTES

- IF SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ANY AND ALL PERMITS REQUIRED BY THE STATE OF RHODE ISLAND AND THE MUNICIPALITY PRIOR TO COMMENCING ANY WORK.
- IT SHALL ALSO BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE INTEGRITY OF ALL EXISTING UTILITIES, STRUCTURES, AND ADJUTING PROPERTIES. THE COST OF ANY REPAIR OR REPLACEMENT OF DAMAGED ITEMS SHALL BE BORNE BY THE CONTRACTOR.
- THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE MUNICIPAL ENGINEERING DEPARTMENT AND ALL UTILITY INSTALLATIONS AND REVISIONS WITH THE APPROPRIATE UTILITY CO. A 48 HOUR ADVANCE NOTICE IS REQUIRED BEFORE WORK COMMENCEMENT.
- ALL WORK WITHIN THE STATE HIGHWAY R.O.W. SHALL CONFORM TO RIDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2004 EDITION, INCLUDING ALL REVISIONS AND THE RI STANDARD DETAILS.
- ALL TRAFFIC CONTROL SHALL CONFORM TO THE MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES 2003 INCLUDING ALL REVISIONS.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR QUANTITY TAKE OFF IN COMPUTING ANY ESTIMATES.
- EMBANKMENT SLOPES AND ALL DISTURBED AREAS ARE TO RECEIVE 4" OF TOPSOIL AND SEED. SEE EROSION CONTROL PROGRAM DETAILS.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION INDICATED ON THESE PLANS. THAT INCLUDES ANY CONSTRUCTION TO BRING UTILITIES TO THE SITE, ANY REPAIRS, ANY TRENCHING REQUIRED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL TEMPORARY SEDIMENTATION AND SOIL EROSION CONTROL MEASURES.
- THE LOCATION OF EXISTING UTILITIES AS SHOWN ARE APPROXIMATE AND SHOULD BE VERIFIED BY THE CONTRACTOR WITH THE APPROPRIATE UTILITY COMPANIES. CALL DIG-SAFE 1(800)225-4977.
- IN ALL EXCAVATION AND PLACEMENT OF FILL THE CONTRACTOR SHALL PERFORM THE WORK IN FULL COMPLIANCE WITH THE R.I. STANDARD SPECIFICATION SECTION 202.
- ALL CONSTRUCTION AND UTILITY WORK SHALL CONFORM TO THE LATEST TOWN OF PORTSMOUTH STANDARDS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN, COMPREHEND AND IMPLEMENT THESE REQUIREMENTS PROPERLY.

MAINTENANCE AND RESPONSIBILITY

- THE CONSTRUCTION SUPERINTENDENT SHALL HAVE THE SOLE RESPONSIBILITY FOR THE DESIGN IMPLEMENTATION. HE SHALL ALSO BE RESPONSIBLE FOR ENSURING THAT ALL CONSTRUCTION WORKERS AND SUB-CONTRACTORS ARE AWARE OF THE PROVISIONS OF THE PLAN AND THE ENGINEER'S REPORT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL ASPECTS OF THE DESIGN PRIOR TO FINAL APPROVAL BY THE TOWN. DURING THAT TIME, ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHOULD BE CHECKED ON A WEEKLY BASIS AS WELL AS AFTER EACH SIGNIFICANT RAINFALL. ALL SUCH MEASURES SHOULD BE CLEANED OR REPLACED AS NECESSARY.
- REPLANTING, REGRADING OR OTHER REPAIRS NEEDED AS A RESULT OF EROSION AND SEDIMENTATION SHOULD BE DONE PROMPTLY.

EROSION CONTROL & SOIL STABILIZATION PROGRAM

- DERIVED SLOPES SHALL NOT BE UNATTENDED OR EXPOSED FOR EXCESSIVE PERIODS OF TIME SUCH AS THE INACTIVE WINTER SEASON.
- 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 PERIOD.
- THE TOPSOIL SHALL HAVE A SANDY LOAM TEXTURE RELATIVELY FREE OF SUBSOIL MATERIAL, STONES, ROOTS, LIMBS OF SOIL, TREE LIMBS, TRASH OR CONSTRUCTION DEBRIS, AND SHALL CONFORM WITH R. I. STANDARD SPECIFICATION M. 20.
- THE SEED MIX SHALL BE INOCULATED WITHIN 24 HOURS, BEFORE MIXING AND PLANTING, WITH APPROPRIATE INOCULUM FOR EACH VARIETY.
- THE DESIGN MIX SHALL BE COMPRISED OF THE FOLLOWING:

PERMANENT SEEDING MIXTURES:

MIXTURE	% BY WT.	SEEDING DATES
A - MOWED AREA: ALL FLAT OR SLOPES LESS THAN 3:1		
RED FESCUE	75	APRIL 1 - JUNE 15
KENTUCKY BLUEGRASS	15	AUG. 15 - OCT. 15
COLONIAL BENTGRASS	5	
PERENNIAL RYEGRASS	5	

TOTAL 100#/ACRE

PERMANENT SEEDING MIXTURES:

MIXTURE	% BY WT.	SEEDING DATES
B - UNMOWED AREA OR INFREQUENTLY MOWED: FLAT OR SLOPES GREATER THAN 3:1		
RED FESCUE	75	APRIL 1 - JUNE 15
PERENNIAL RYEGRASS	5	AUG. 15 - OCT. 15
COLONIAL BENTGRASS	5	
BIRDFOOT TREFOIL	15	

TOTAL 100#/ACRE

- 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, EROSION 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 3000-4000 LBS/AC.
- ALL HAYBALES OR TEMPORARY PROTECTION SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS OR APPROVED GROUND COVER IS ESTABLISHED. IF NEEDED, TEMPORARY SEEDING CAN BE USED TO HELP MINIMIZE EROSION. A TEMPORARY SEEDING GUIDE MUST BE INCLUDED AS A REFERENCE. THE FOLLOWING SPECIES ARE RECOMMENDED:

SPECIES	LBS/ACRE	LBS/1,000 SQ. FT.	SEEDING DATES
ANNUAL RYEGRASS	60	1.5	MAR. 15 - JUNE 15
PERENNIAL RYEGRASS	40	1.0	MAY 15 - AUGUST 15
MILLET	40	1.0	MAY 15 - AUGUST 15
WINTER RYE	120	3.0	AUGUST 15 - JUNE 15
ORIS	120	3.0	MAR. 15 - JUNE 15
WHEPPING LOVEGRASS	20	0.5	MAY 1 - JUNE 30

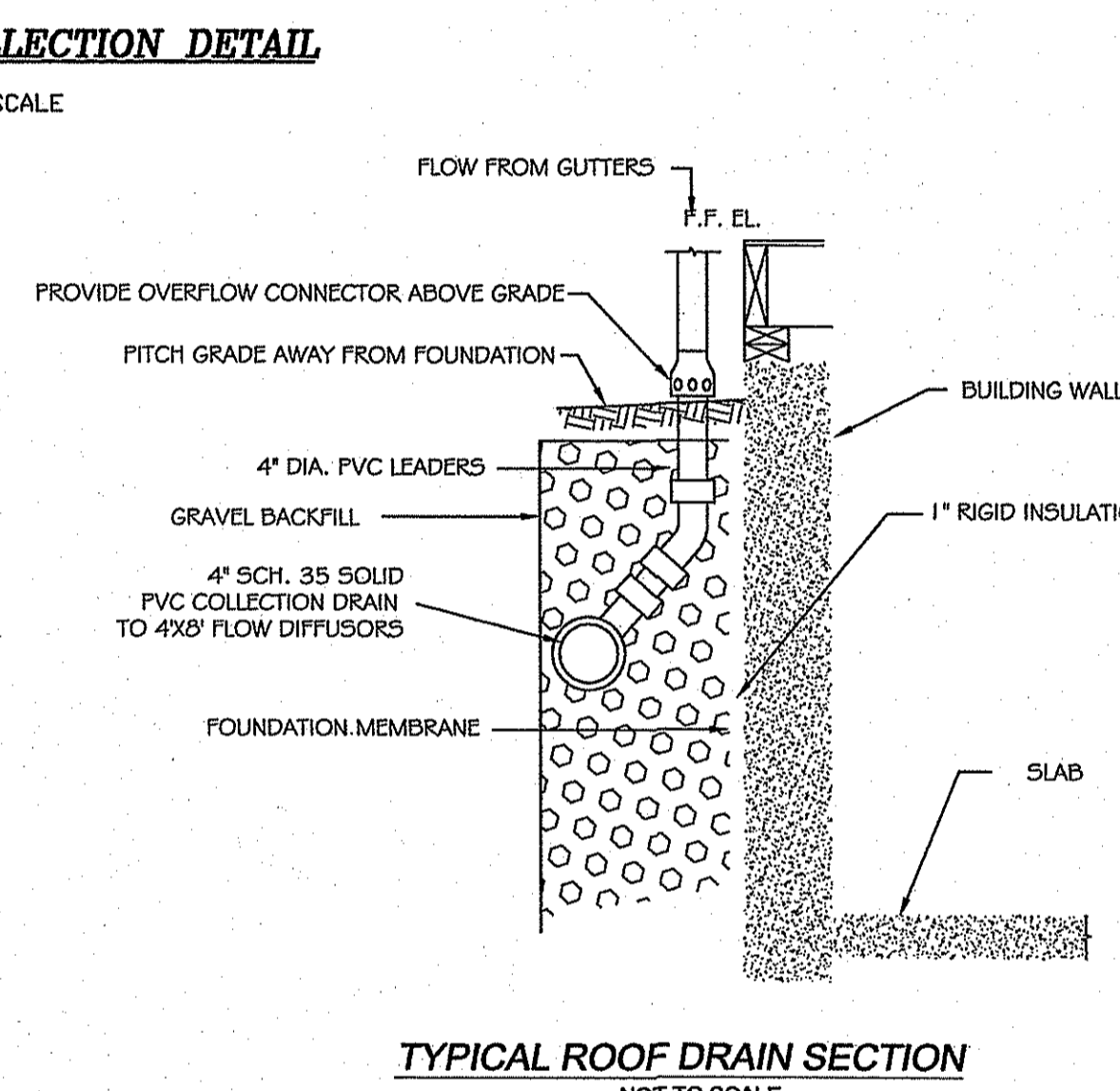
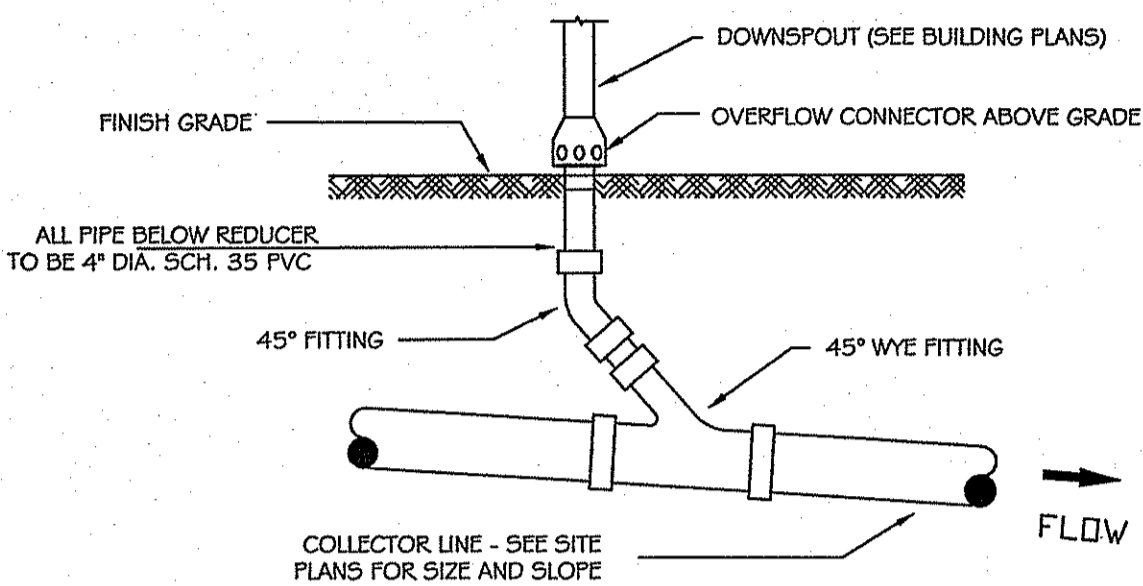
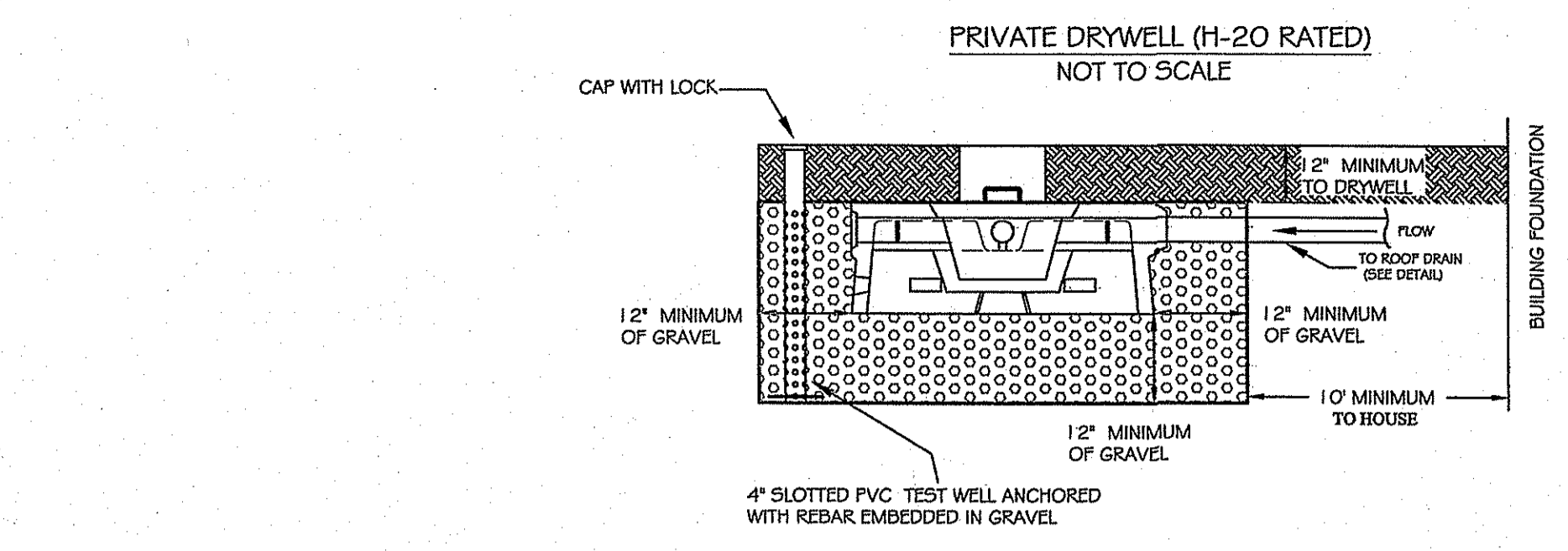
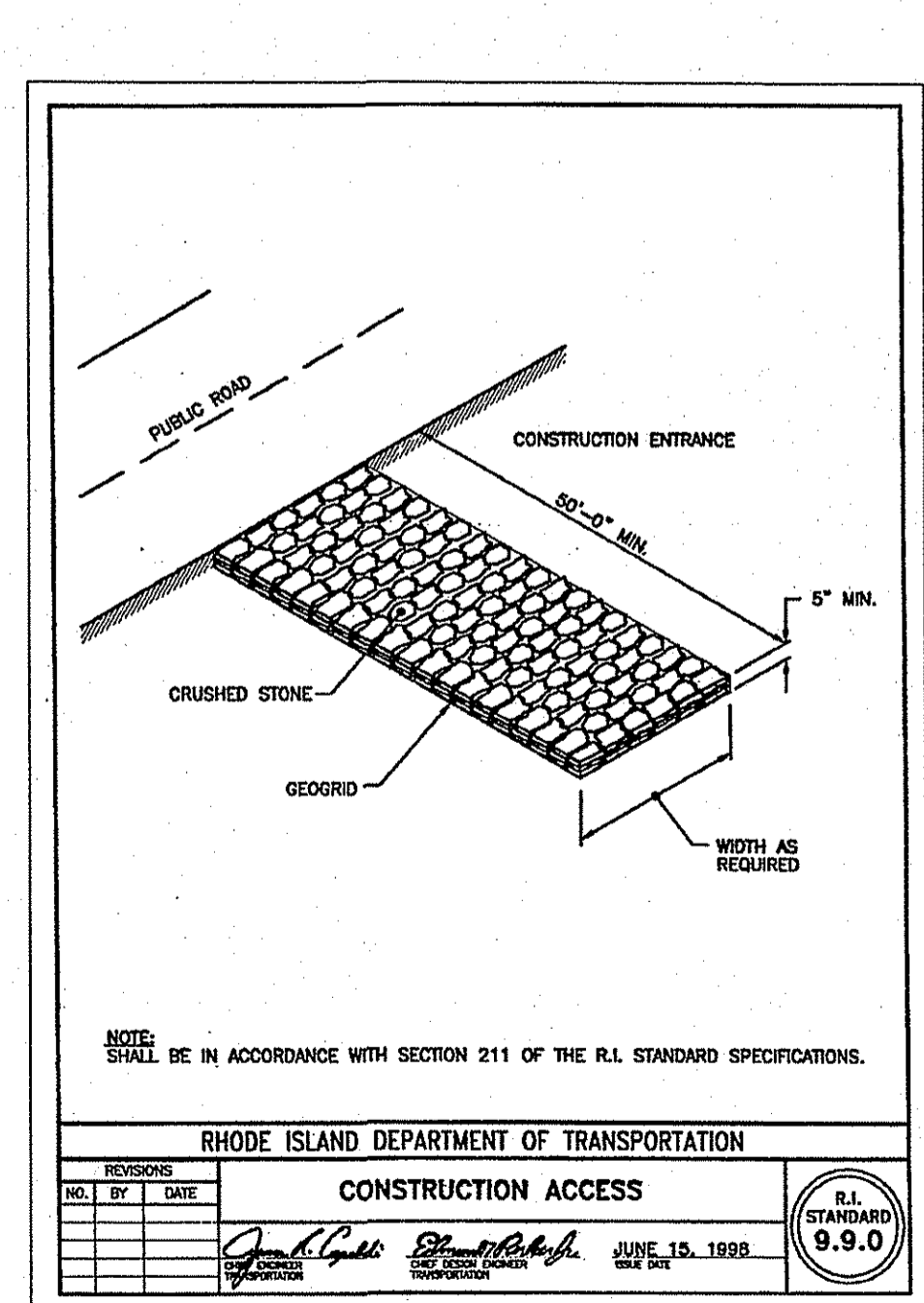
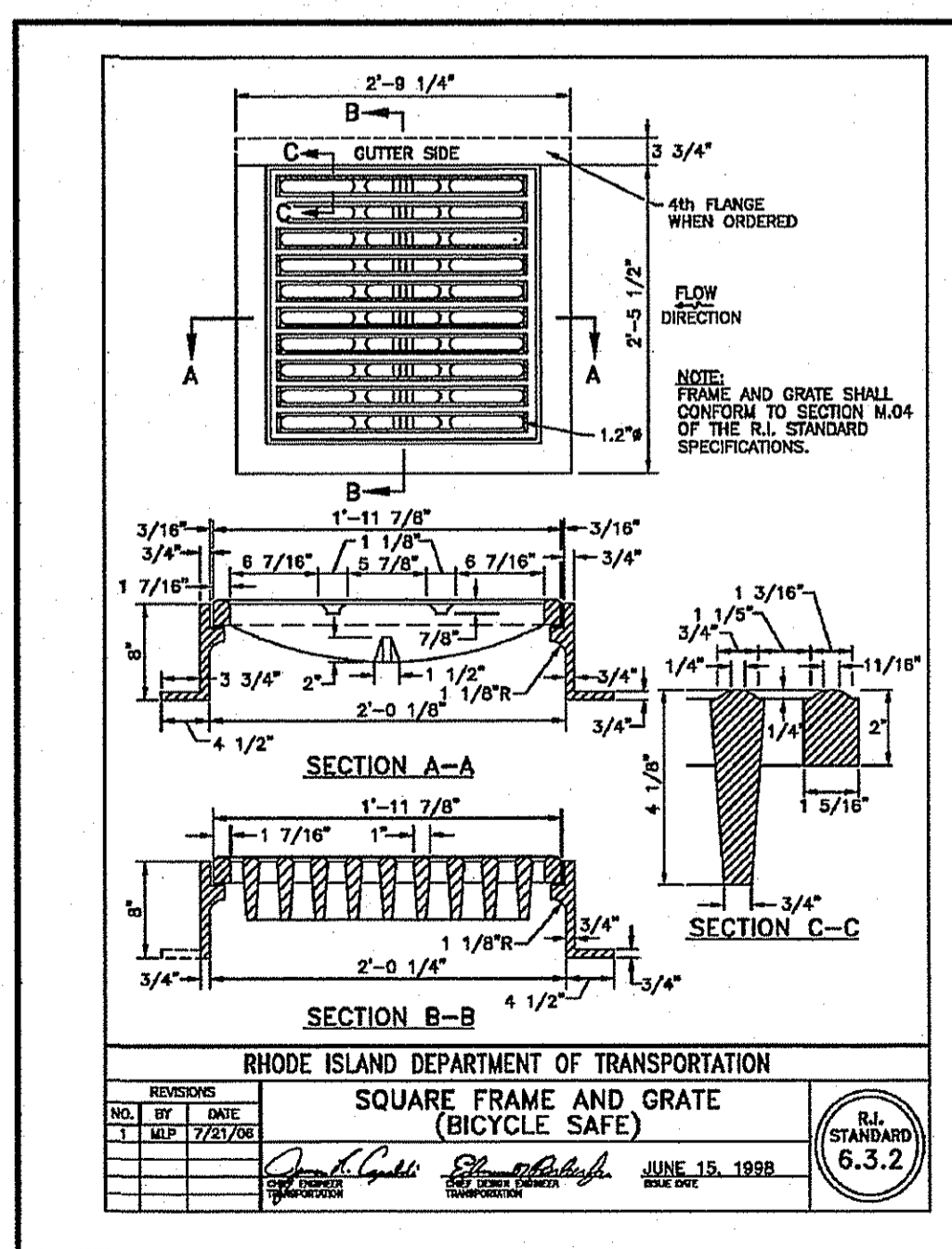
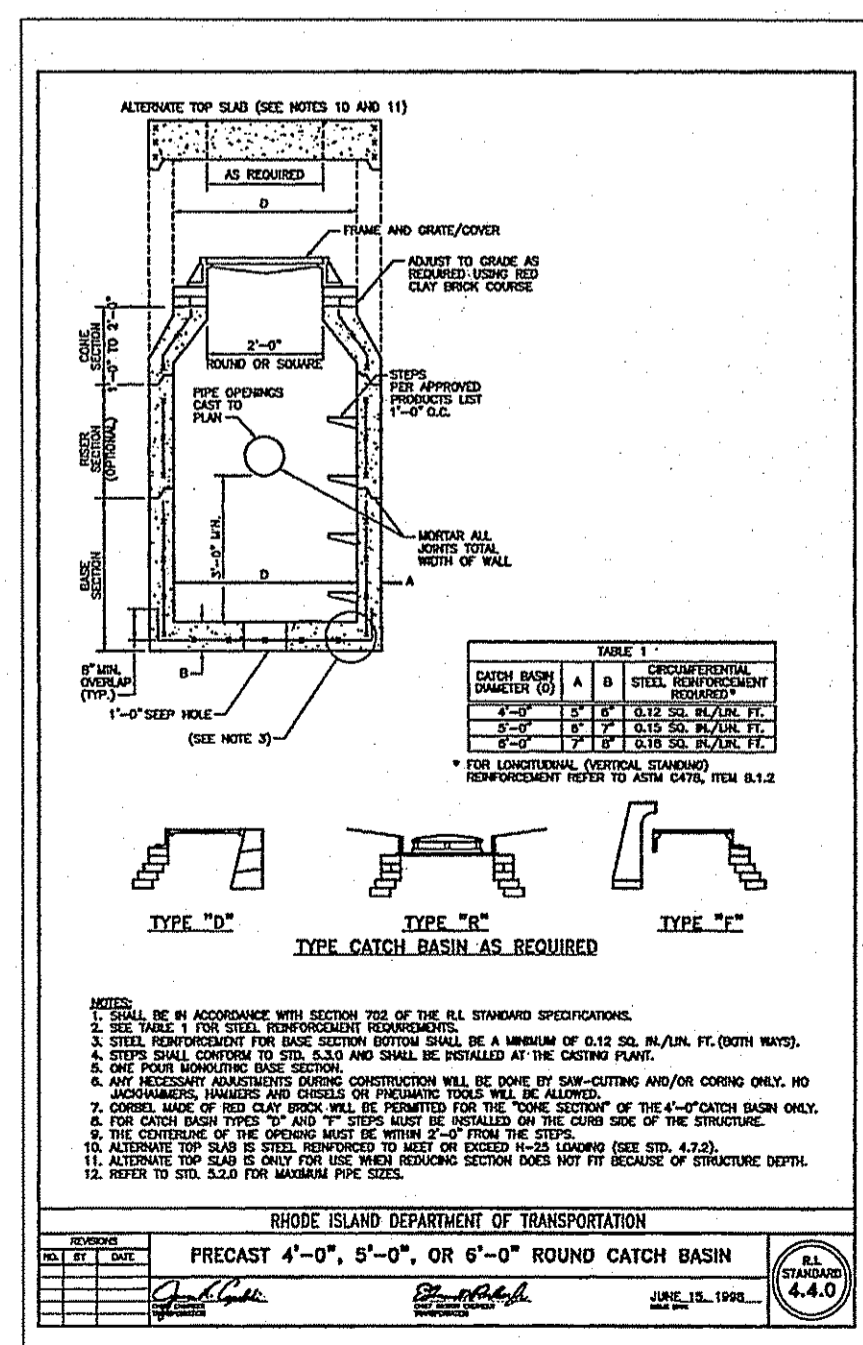
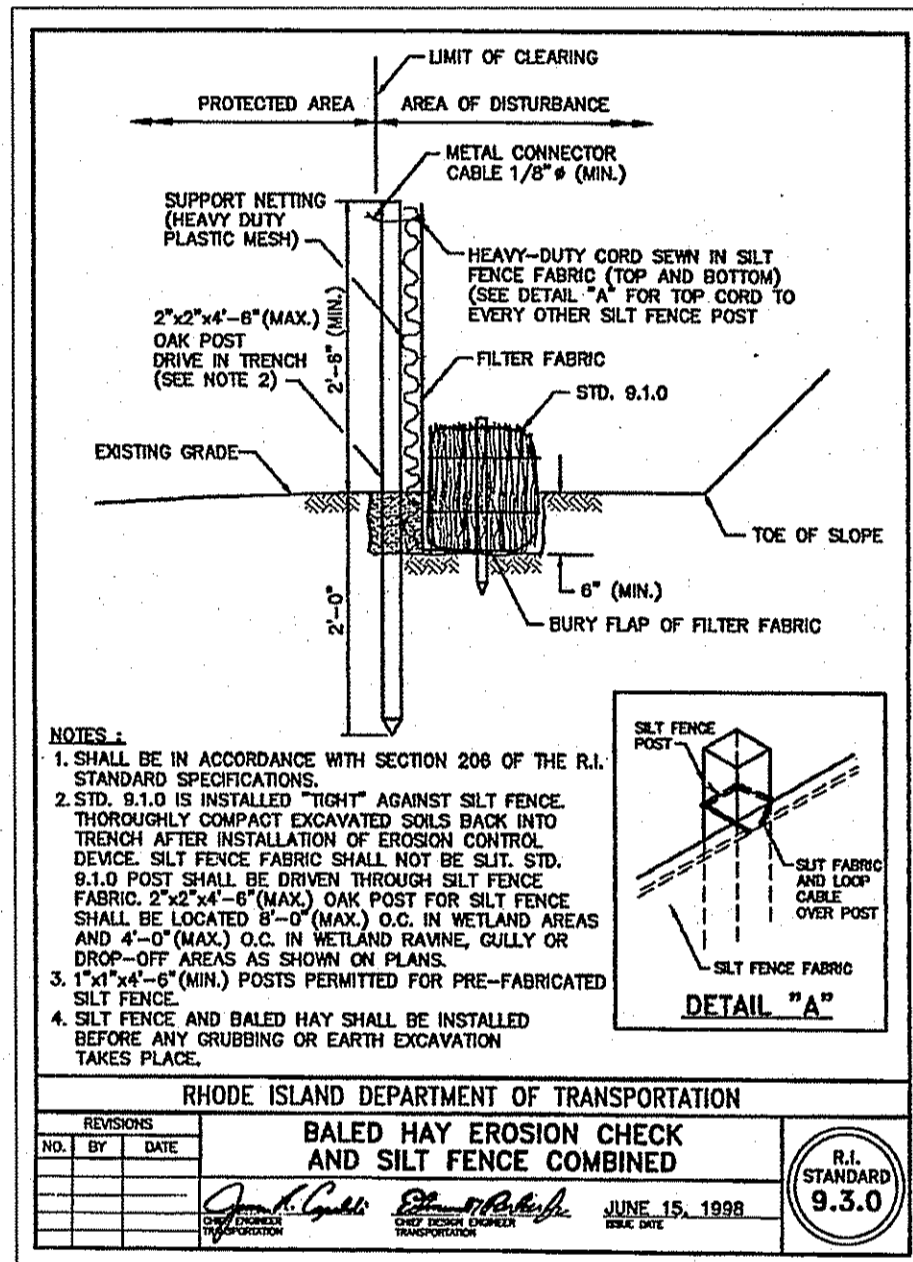
- THE CONTRACTOR MUST REPAIR AND OR RESEED ANY AREAS THAT DO NOT DEVELOP WITHIN THE PERIOD OF ONE YEAR AND HE SHALL DO SO AT NO ADDITIONAL EXPENSE.
- THE NORMAL ACCEPTABLE SEASONAL SEEDING DATES ARE APRIL 1ST THRU OCT. 15TH.
- ALL FILL SHALL BE THOROUGHLY COMPACTED UPON PLACEMENT IN STRICT CONFORMANCE WITH THE R.I.D.P.W. STANDARD SPECIFICATIONS SECTION 202.
- STABILIZATION OF ONE FORM OR ANOTHER AS DESCRIBED ABOVE SHALL BE ACHIEVED WITHIN 15 DAYS OF FINAL GRADING.
- STOCKPILES OF TOPSOILS SHALL NOT BE LOCATED NEAR WATERWAYS OR WETLANDS. THEY SHALL HAVE SIDE SLOPES NO GREATER THAN 3:1 AND STOCKPILES SHALL ALSO BE SEEDED AND/OR STABILIZED.
- ON BOTH STEEP AND LONG SLOPES CONSIDERATION SHOULD BE GIVEN TO "CRIMPING" OR "TRACKING" TO TACK DOWN MULCH APPLICATIONS.
- REFERENCE THE SEDIMENTATION CONTROL PROGRAM AND ORDER OF PROCEDURE FOR PROPER CONSTRUCTION.
- DURING CONSTRUCTION, THE CONTRACTOR AND/OR DEVELOPER SHALL BE RESPONSIBLE

SEDIMENTATION CONTROL PROGRAM

- ALL DISTURBED AREAS SUBJECT TO EROSION TENDENCIES WHETHER THEY ARE NEWLY FILLED OR EXCAVATED SHALL RECEIVE SUITABLE SLOPE PROTECTION.
- FOR MAINTAINING DRAINAGE AND RUNOFF FLOW DURING STORMS AND PERIODS OF RAINFALL.
- CARE SHALL BE TAKEN SO AS TO PREVENT ANY UNSUITABLE MATERIAL FROM ENTERING EITHER EXISTING OR PROPOSED DRAINAGE OR SEWER STRUCTURES.
- SEDIMENTATION CONTROL DEVICES SHALL BE INSPECTED PERIODICALLY AND AFTER PERIODS OF RAINFALL. SUCH DEVICES SHALL BE REPAIRED OR REPLACED AS NEEDED.
- 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 SUBJECT TO STORM WATER FLOW.
- ADDITIONAL HAYBALES, SILT FENCE OR SANDBAGS SHALL BE LOCATED AS CONDITIONS WARRANT OR AS DIRECTED BY THE ENGINEER.
- REFERENCE THE "RHODE ISLAND EROSION AND SEDIMENT CONTROL HANDBOOK" PREPARED BY THE U.S. DEPT. OF AGRICULTURE, SOIL CONSERVATION SERVICE, 1989, WITH ANY AMENDMENTS, AS A GUIDE.

ORDER OF PROCEDURE

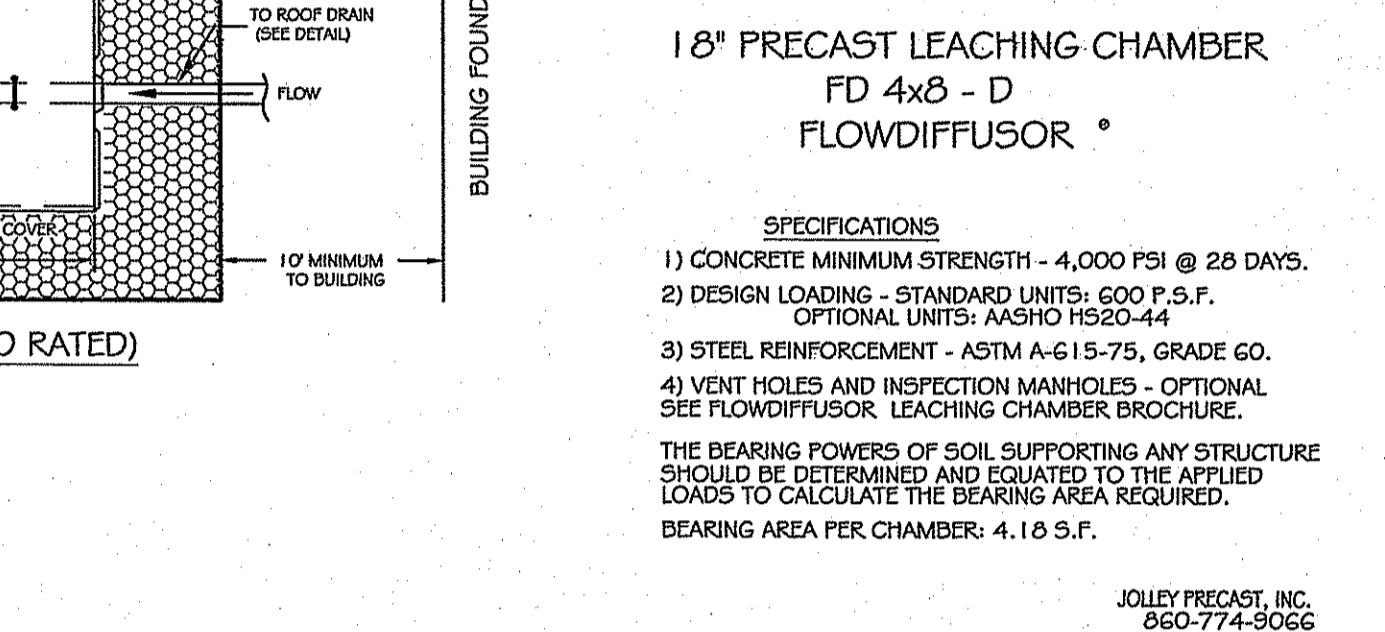
- IMMEDIATELY UPON COMPLETION OF THE CLEARING AND GRUBBING OPERATION AND PRIOR TO ANY GRADING, TEMPORARY HAYBALES, SILTFENCES OR SANDBAGS SHALL BE PLACED OUTSIDE THE LIMITS OF DISTURBANCE AS SHOWN ON THE PLANS. (I.E. ALONG NEW ROADWAYS, STREAMBANKS, CRITICAL AREAS, ETC.)
- ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE PERIODICALLY CLEANED AND MAINTAINED AS PER THE RESPECTIVE PROGRAMS DURING THE CONSTRUCTION.
- IF WORK PROGRESS IS TO BE INTERRUPTED AT ANY TIME, REFERENCE EROSION AND SEDIMENTATION CONTROL PROGRAMS FOR TEMPORARY CONTROL.



PRIVATE DRYWELL TABLES

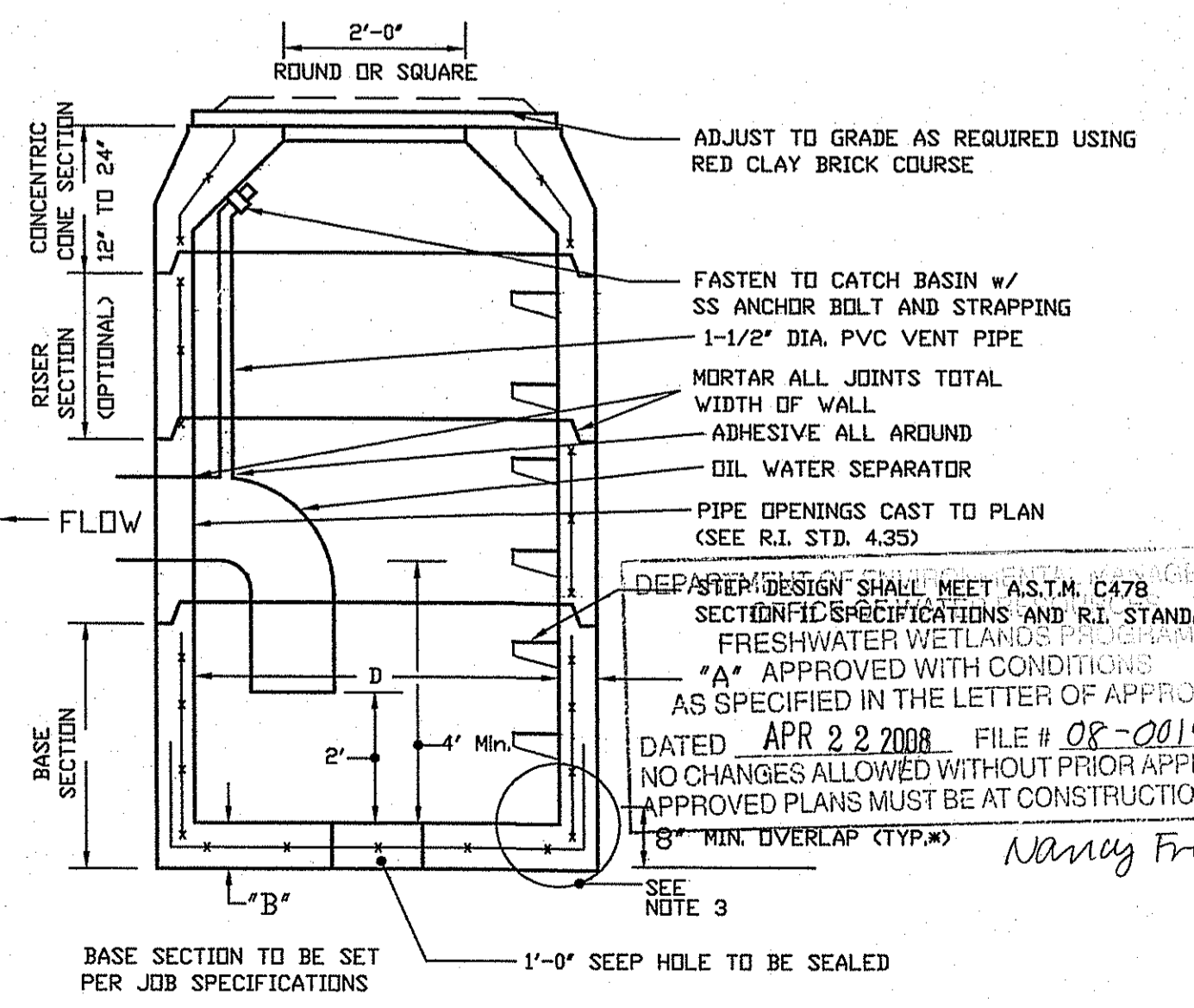
DRYWELL #	PROPOSED GRADING EL.	TOP OF DRYWELL EL.	INVERT EL.	BOTTOM OF STONE EL.	HIGH GROUNDWATER EL.	SEPARATION DISTANCE FT.
1A	176.00	174.50	173.96	172.00	168.50	3.5
1B	174.00	172.20	172.26	170.30	166.80	3.5
1C	174.00	173.00	172.46	170.50	166.50	4.0

- NOTE:
 1. PROPOSED DRYWELLS #1A & 1B SHALL BE CONNECTED TO ROOF DRAINS, DRYWELL #1C SHALL BE CONNECTED TO CATCH BASIN.
 2. ALL PROPOSED DRYWELLS SHALL BE A MINIMUM OF 50' FROM ALL PROPOSED WELLS.
 3. ALL PROPOSED DRYWELLS SHALL BE A MINIMUM OF 75' FROM ALL PROPOSED HOUSE FOUNDATIONS.
 4. ALL PROPOSED DRYWELLS SHALL BE A MINIMUM OF 20' FROM ALL PROPOSED HOUSE FOUNDATIONS.
 5. ALL PROPOSED DRYWELLS SHALL HAVE WATER LEVELS CHECKED PERIODICALLY AFTER ANY SIGNIFICANT RAIN EVENTS, INDICATING THE INFILTRATION RATE SYSTEM PERFORMANCE.
 6. STANDING WATER IN THE O.W. AFTER 3 DAYS WILL INDICATE FAILURE IF THE SYSTEM, REQUIRING REPAIR OR REPLACEMENT.
 7. ALL PROPOSED DRYWELLS ARE TO BE RATED H-20.



INFILTRATION SYSTEM MAINTENANCE NOTES

- THE OIL/WATER SEPARATORS SHALL BE MAINTAINED ON A CONTINUAL BASIS, AS NEEDED. AT MINIMUM, ANNUAL CLEANOUT OF ALL OIL/WATER SEPARATORS SHALL BE PERFORMED. MAINTENANCE OF THE DISPOSAL SYSTEM SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY ON WHICH THE SYSTEM IS LOCATED.
- A DISPOSAL SYSTEM MAINTENANCE REPORT, DETAILING ANY OPERATIONAL PROBLEMS AND SPILL OR DUMPING INCIDENTS FOR THE PREVIOUS 12 MONTH PERIOD, SHALL BE SUBMITTED TO THE UIC PROGRAM ON AN ANNUAL BASIS. THE MAINTENANCE REPORT SHALL BE DUE BY THE LAST DAY OF THE MONTH OF APRIL FOR EVERY YEAR THE DISPOSAL SYSTEM IS UTILIZED.
- ANY INADVERTENT OR DELIBERATE DISCHARGE OF WASTE OIL OR ANY OTHER POLLUTANT TO THE STORMWATER DISPOSAL SYSTEM REQUIRES IMMEDIATE NOTIFICATION OF THE UIC DEPARTMENT.
- ANY INCIDENT OF GROUNDWATER CONTAMINATION RESULTING FROM THE IMPROPER DISCHARGE OF CONTAMINANTS TO THE DISPOSAL SYSTEM SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNER. UIC RIDEM WILL REQUIRE THE PROPERTY OWNER TO REMEDIATE ANY INCIDENTS THAT MAY ADVERSELY IMPACT THE QUALITY OF THE GROUNDWATER.
- UPON TRANSFER OF THE PROPERTY THE FUTURE OWNER SHALL BE INFORMED AS TO LEGAL RESPONSIBILITY OF OPERATING THE DISPOSAL SYSTEM, AS INDICATED.
- THE STORMWATER INFILTRATION SYSTEMS SHALL BE PERIODICALLY INSPECTED AND MAINTAINED DURING CONSTRUCTION AND A MINIMUM OF TWICE PER YEAR UPON COMPLETION OF CONSTRUCTION.



SOIL & EROSION PLAN FOR SHON CUTHILL, DBA C&C LANDSCAPING
 LOCATED AT 350 SOUTH COUNTY TRAIL EXETER, R.I.

Checked By: DrC
 Drawn By: BCO
 Scale: AS SHOWN
 Date: 10/28/2007

DANIEL R. COTTA
 REGISTERED PROFESSIONAL ENGINEER
 No. 12147
 State of Rhode Island

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Sheet 2 of 2 sheets
 Drawing No. Dr. Sh.