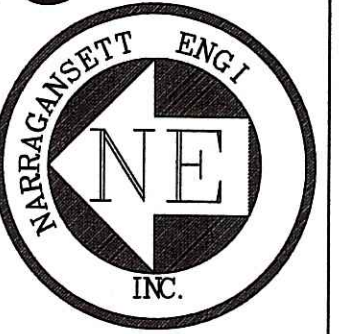


NARRAGANSETT ENGINEERING INC.



MAIN OFFICE:
3102 EAST MAIN ROAD,
PORTSMOUTH, RI 02871
TEL : (401) 683-6630
www.nei-cds.com

EXISTING CONDITIONS PROPOSED SITE PLAN ANNA FASCITELLI WELLNESS AND FITNESS CENTER WELLNESS AND FITNESS CENTER UNIVERSITY OF RHODE ISLAND

PROJECT ARCHITECT:

WILLIAM KITE ARCHITECTS
166 VALLEY ST
PROVIDENCE, RI 02909
WWW.KITEARCHITECTS.COM

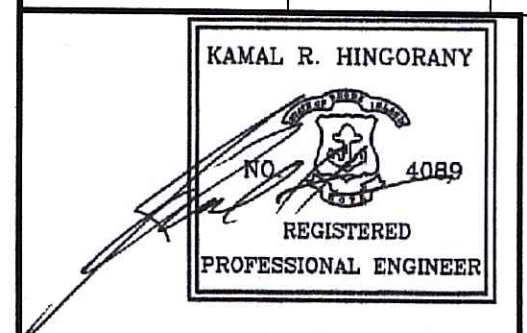
KITE

PROJECT OWNER:
UNIVERSITY OF RHODE ISLAND
KINGSTON, RI 02881
[URI BOARD OF GOVERNORS
301 PROMENADE ST,
PROVIDENCE RI 02908]

LOCATION:
ROGER WILLIAMS COMMONS
UNIVERSITY OF RHODE ISLAND
KINGSTON, RI 02881

A.P. 23-1:1 N/F: UNIVERSITY OF RHODE ISLAND

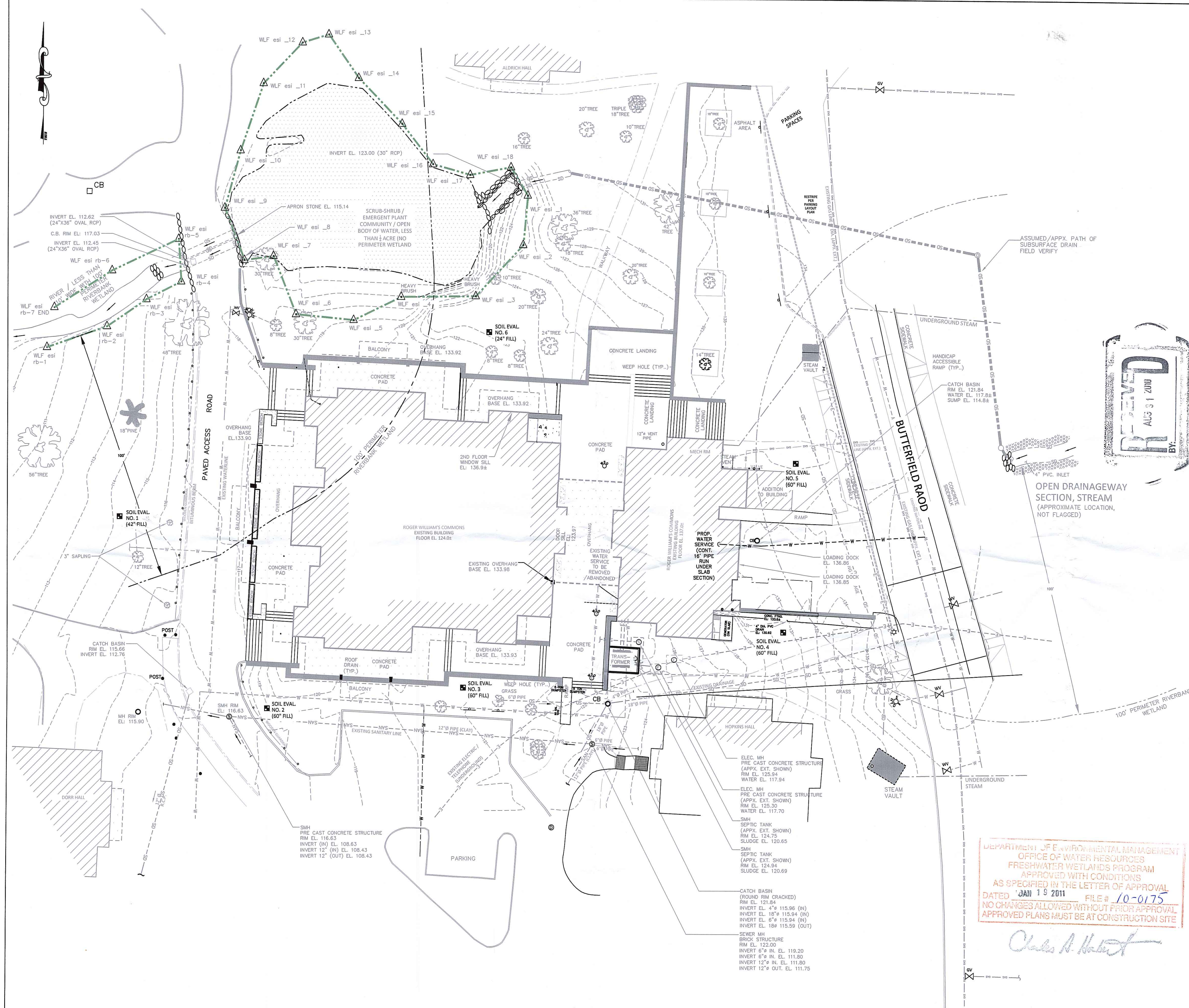
PROJECT#	DATE	DRAWN	CHECK
090129	04.19.2010	AJP	NKH



NO.	DATE	DESCRIPTION	BY

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED **JAN 19 2011** FILE # **10-0175**
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APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Charles A. Hallett

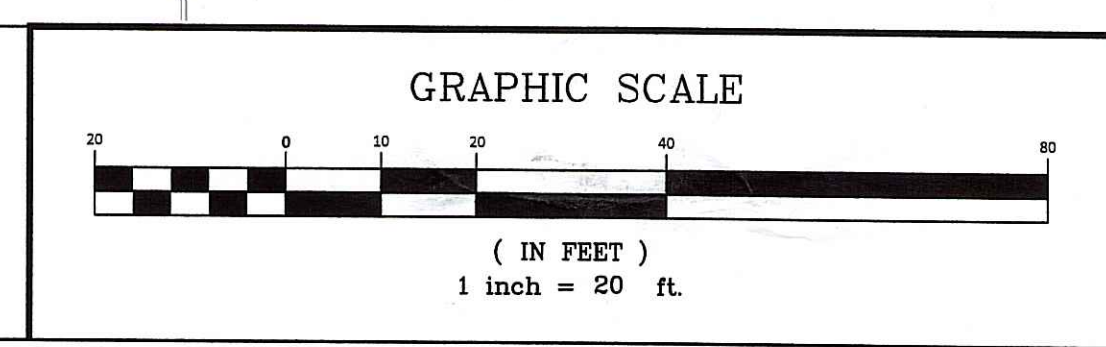


REFER TO ARCHITECTURAL DESIGN PACKAGE FOR SPECIFICS OF ALL NON-LISTED MATERIALS, BUILDING CONSTRUCTION SPECIFICATIONS AND CONSTRUCTION DETAILS

LOCATION OF SUBSURFACE UTILITIES REPRODUCED FROM FIELD SURVEY AND BEST AVAILABLE INFORMATION. CONTRACTOR TO CALL DIG SAFE AND/OR APPLICABLE UTILITY COMPANIES/URI DPW PRIOR TO ANY CONSTRUCTION.
DIG SAFE TEL#: 1-800-344-7233 (1-800-DIG-SAFE).

LEGEND:

--- EXISTING GRADE CONTOUR	--- PROPOSED GRADE CONTOUR	--- PROPOSED DRAINAGE LINE	--- EDGE OF PAVEMENT	--- CURBING	--- SANITARY LINE	--- WETLAND FLAG	--- GAS LINE	--- WATER LINE	--- STORM DRAIN LINE	--- ELECTRIC LINE	--- UNDERGROUND STEAM	--- 100' RIVERBANK WETLAND	--- EDGE OF DELINEATED WETLAND	○ SEWER MANHOLE	○ CATCH BASIN	○ DRAINAGE MANHOLE	○ EXISTING SPOT GRADE WITH DESCRIPTION [ON GRADE U/N/O]	○ WATER GATE VALVE, SHUTOFF	○ FIRE HYDRANT	■ SOIL EVALUATION LOCATION (PROPOSED)	○ BENCHMARK	○ GAS VALVE	○ GRAVITY PIPE FLOW DIRECTION	○ LIGHT POLE
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SHEET	SCALE
1 OF 5	1"=20'

DEVELOPMENT NOTES:

TOTAL DECREASE IN IMPERVIOUS AREA: 2,146 SQ.FT.

REFER TO LIGHTING DESIGN AND SIGNAGE PLAN FOR RESPECTIVE SPECIFICATIONS

REFER TO PLANS BY LANDSCAPE ARCHITECT FOR PLANTING DETAILS AND SPECIFICATIONS

REFER TO PLANS BY ARCHITECT FOR BUILDING DETAILS AND LAYOUT

IMPERVIOUS AREA CALCULATIONS		
ALL UNITS IN SQ.FT.		
DECREASE	INCREASE	
167	8	
32	339	
121	305	
159	98	
113	61	
70	267	
232	62	
590		
2619		
TOTAL	TOTAL	1140
NET REDUCTION IN IMPERVIOUS AREA OF 1479 SQ.FT.		
NET REDUCTION		

RIDEM WETLANDS JURISDICTIONAL PERMIT WILL BE REQUIRED UTILITY NOTES:

ALL SEWER, DRAINAGE, STEAM, ROAD CUTS AND UTILITY CHANGES MUST BE INSPECTED BY UNIVERSITY OF RHODE ISLAND DPW PRIOR TO CONSTRUCTION.

MAINTENANCE NOTE:

OWNER/JRI IS RESPONSIBLE FOR ALL SITE MAINTENANCE INCLUDING DRAINAGE SYSTEM COMPRISED OF CATCHBASINS, INFILTRATORS AND ASSOCIATED COMPONENTS. INSPECT AND CLEAN ALL STRUCTURES TWICE YEARLY (AT MIN. 6 MONTH INTERVALS) AND AFTER ALL SIGNIFICANT STORM EVENTS. REMOVE ALL DEBRIS AND SEDIMENT BUILDUP AND DISPOSE IN ACCORDANCE WITH LOCAL CODES. INSPECT OIL AND SEDIMENT FILTER AT 3 TO 6 MONTH INTERVALS, REMOVE WHEN 6" OF SEDIMENT HAS BEEN COLLECTED

PAVING NOTE:

PROPOSED PAVING AND AREAS DAMAGED OR ALTERED DURING CONSTRUCTION SHALL BE PAVED TO MATCH THE EXISTING PAVING CONDITIONS, OR WHERE EXISTING CONDITIONS ARE INSUFFICIENT SHALL ADHERE TO THE FOLLOWING SPECIFICATIONS:
 - 2" BANK RUN GRAVEL BORROW BASE COURSE
 - 2" CRUSHED BANK RUN GRAVEL BASE SURFACE
 - 1 1/2" BINDER COURSE (CLASS I-1)
 - 1 1/2" SURFACE COURSE (CLASS I-1)

TRENCH RESTORATION:

INSTALL TEMPORARY TRENCH WITH HOT MIX ASPHALT, RIDOT GRAVEL BORROW TO 95% COMPACTION. AFTER 3 MONTHS REMOVE TEMPORARY MATERIAL AND INSTALL PERMANENT TRENCH - CUT BACK 12" AND PLACE 4" MIN. RIDOT STD. HOT MIX ASPHALT BINDER AND SURFACE COAT (2 LIFTS)

GRADING NOTE:

GRADING SHALL BE UNDERTAKEN TO SLOPE GRADE AWAY FROM THE STRUCTURE IN AN EVEN FASHION IN THE SAME GENERAL DIRECTION AS THE EXISTING GRADE. GRADING SLOPES SHALL BE EVEN TO AVOID PONDING AND SHALL ENCOURAGE SHEET FLOW TO RIGHT OF WAY AND TOWN OF BARRINGTON DRAINAGE SYSTEM. DRAINAGE NOTES (STORMTECH): SLOPE RE-PAVED AREAS TOWARD DRAINAGE STRUCTURES

REFER TO DESIGNS AND INSTALLATION MANUAL FOR ORDERING AND INSTALLATION DETAILS:
http://www.ads-pipe.com/pdf/en/StormTech_Design_Manual.pdf
http://www.ads-pipe.com/pdf/en/StormTech_Design_Manual.pdf

DOWNSPOUTS TO REMAIN AT EXISTING DISCHARGE LOCATION OR BE FED TO ADJACENT GARDEN AREA WHERE NOTED. REFER TO ARCHITECTURAL PLANS FOR ROOF DRAINS AND SCUPPERS.

GENERAL NOTES

- IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO OBTAIN ANY AND ALL PERMITS REQUIRED BY THE JURISDICTION PRIOR TO COMMENCING ANY WORK.
- IT SHALL ALSO BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO MAINTAIN THE INTEGRITY OF ALL EXISTING UTILITIES, STRUCTURES AND ADJACENT PROPERTIES. THE COST OF ANY REPAIR OR RESTORATION OF DAMAGED ITEMS SHALL BE BORNE BY THE CONTRACTOR.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR QUANTITY TAKE-OFF IN COMPUTING ANY ESTIMATES.
- ANY FIELD CHANGES SHALL BE INDICATED ON THESE PLANS THAT INCLUDES THE CONTRACTOR'S SIGNATURE AND DATE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL TEMPORARY SEDIMENTATION AND EROSION CONTROL MEASURES THROUGHOUT THE CONSTRUCTION PERIOD.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE JURISDICTION PRIOR TO COMMENCING ANY WORK.
- ALL WORK SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.
- ALL MATERIALS AND METHODS SHALL BE APPROVED BY THE JURISDICTION PRIOR TO CONSTRUCTION.
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- ALL MATERIALS AND METHODS SHALL BE APPROVED BY THE JURISDICTION PRIOR TO CONSTRUCTION.

SEDIMENTATION CONTROL MAINTENANCE GUIDELINE:

- SEDIMENTATION CONTROL STRUCTURES SHALL BE PERIODICALLY MAINTAINED AS PER THE RESPECTIVE PROGRAM FOR TEMPORARY CONTROL.
- IF MORE SEDIMENT IS OBSERVED AT ANY TIME, REFERENCE EROSION AND SEDIMENTATION PROGRAMS FOR TEMPORARY CONTROL.

EROSION CONTROL & SOIL STABILIZATION PROGRAM:

- ALL EXPOSED SOIL SHALL BE UNDISTURBED OR PROTECTED FOR EXCESSIVE PERIODS OF TIME SUCH AS THE FOLLOWING:
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DUST CONTROL:

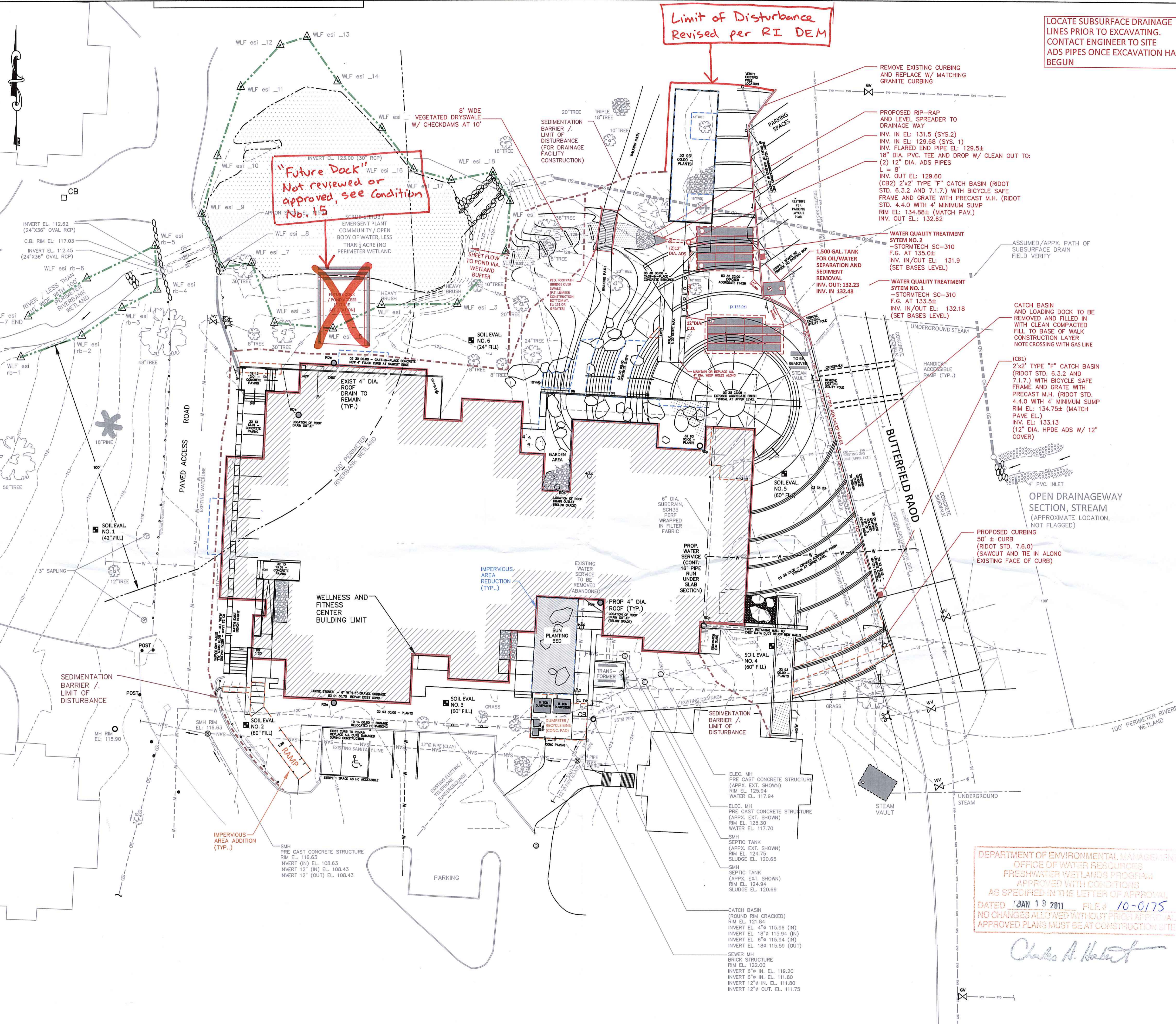
- EXPOSED SOIL SURFACES SHOULD BE MOISTENED PERIODICALLY WITH ADEQUATE WATER TO CONTROL DUST.
- ALL TRUCKS SHALL BE CLEANED AT THE EXIT POINTS OF THE SITE.

TRUCK TIRE CLEANING:

- CONTRACTOR MUST CLEAN ALL TRUCKS FROM TRUCK TRAYS BEFORE ALLOWING TRUCKS TO EXIT THE SITE.

STORMTECH CHAMBER MAINTENANCE:

- ALL STORMTECH CHAMBERS SHALL BE MAINTAINED AND OPERATIONAL THROUGHOUT THE CONSTRUCTION PERIOD.



LOCATE SUBSURFACE DRAINAGE LINES PRIOR TO EXCAVATING. CONTACT ENGINEER TO SITE ADS PIPES ONCE EXCAVATION HAS BEGUN

Limit of Disturbance Revised per RI DEM

"Future Dock" Not reviewed or approved, see Condition No. 15

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SHEET TITLE
PROPOSED SITE PLAN

PROPOSED SITE PLAN
 WELLNESS AND FITNESS CENTER
 UNIVERSITY OF RHODE ISLAND

PROJECT ARCHITECT:
 WILLIAM KITE ARCHITECTS
 166 VALLEY ST
 PROVIDENCE, RI 02909
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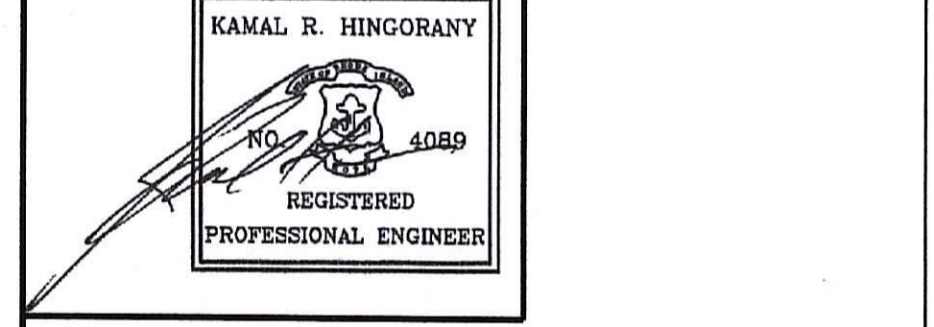


PROJECT OWNER:
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 [URI BOARD OF GOVERNORS
 301 PROMENADE ST,
 PROVIDENCE RI 02908]

LOCATION:
 ROGER WILLIAMS COMMONS
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A.P. 23-1:1 N/F: UNIVERSITY OF RHODE ISLAND

PROJECT#	DATE	DRAWN	CHECK
090129	04.19.2010	AJP	NKH



LAYOUT, FOR DESIGN DEVELOPMENT AND WETLANDS PERMITTING

NO.	DATE	DESCRIPTION	BY
1	08.03.10	REV. SITE LAYOUT PER ARCHITECT'S REVISIONS	NKH

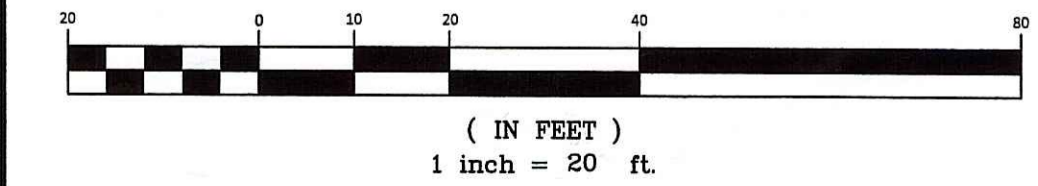
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
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 DATED JAN 19 2011 FILE # 10-0175
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Charles A. Hackett

LEGEND:

- EXISTING GRADE CONTOUR
- PROPOSED GRADE CONTOUR
- PROPOSED DRAINAGE LINE
- EDGE OF PAVEMENT
- CURBING
- SANITARY LINE
- WETLAND FLAG
- GAS LINE
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- STORM DRAIN LINE
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- BENCHMARK
- GAS VALVE
- GRAVITY PIPE FLOW DIRECTION
- LIGHT POLE

GRAPHIC SCALE



REV.2.KITE.08.10.10.N

SHEET	SCALE
2 OF 5	1"=20'

RAINFALL VALUES:
24 HOUR DURATION:
SOUTHERN ZONE

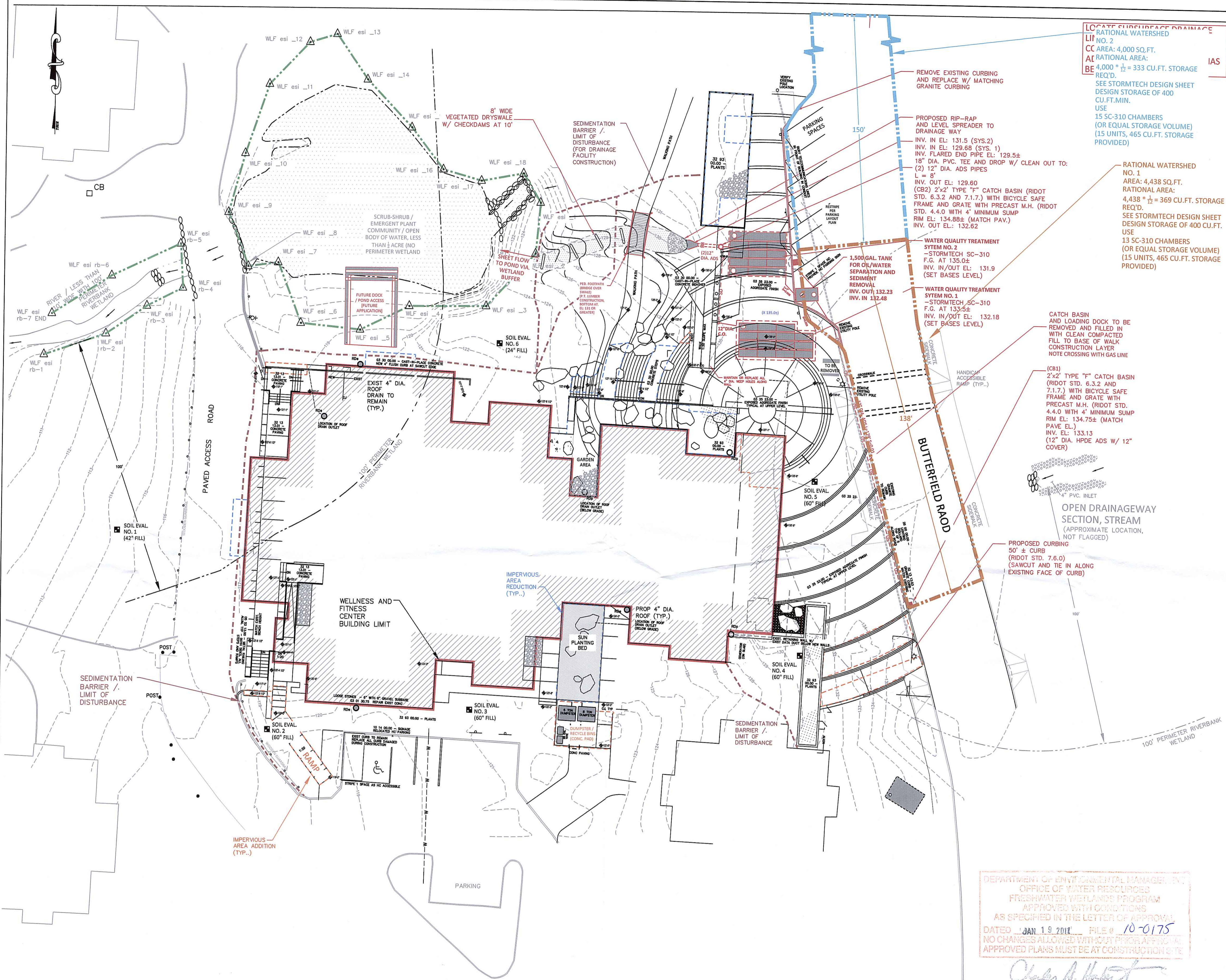
1 YR: 2.7"
2 YR: 3.4"
10 YR: 5.0"
25 YR: 5.8"
100 YR: 7.2"

(PER RIDEM MODELING GUIDANCE
http://www.dem.gov/programs/development/technical/ridem/ridem.pdf)
RATIONAL METHOD USED FOR SIZING FLOWS FOR WATER QUALITY 7.2" RAINFALL w/ 12 MIN. TC

SEASONAL HIGH GROUNDWATER TABLE ASSUMED TO BE 0.0' FROM VIRGIN SOIL. FILL DEPTHS SHOWN ON SOIL EVALUATIONS TO INDICATE DEPTH TO NATIVE / ORIGINAL GRADE

ALL DRAINAGE SYSTEM CONSTRUCTED IN EXISTING FILL. NO CREDIT FOR INFILTRATION.

NET REDUCTION IN PERVIOUS AREA, DRAINAGE MODELING NOT REQUIRED TO DEMONSTRATE NET DECREASE IN FLOWS.



LOCATE FRESHWATER DRAINAGE
RATIONAL WATERSHED
NO. 2
LI AREA: 4,000 SQ. FT.
CC RATIONAL AREA:
BE 4,000 * 1/2 = 333 CU. FT. STORAGE
REQ'D.
SEE STORMTECH DESIGN SHEET
DESIGN STORAGE OF 400
CU. FT. MIN.
USE
15 SC-310 CHAMBERS
(OR EQUAL STORAGE VOLUME)
(15 UNITS, 465 CU. FT. STORAGE
PROVIDED)

RATIONAL WATERSHED
NO. 1
AREA: 4,438 SQ. FT.
RATIONAL AREA:
4,438 * 1/2 = 369 CU. FT. STORAGE
REQ'D.
SEE STORMTECH DESIGN SHEET
DESIGN STORAGE OF 400 CU. FT.
USE
13 SC-310 CHAMBERS
(OR EQUAL STORAGE VOLUME)
(15 UNITS, 465 CU. FT. STORAGE
PROVIDED)

CATCH BASIN
AND LOADING DOCK TO BE
REMOVED AND FILLED IN
WITH CLEAN COMPACTED
FILL TO BASE OF WALK
CONSTRUCTION LAYER
NOTE CROSSING WITH GAS LINE

(CB1)
2'x2' TYPE "F" CATCH BASIN
(RIDOT STD. 6.3.2 AND
7.1.7) WITH BICYCLE SAFE
FRAME AND GRATE WITH
PRECAST M.H. (RIDOT STD.
4.4.0 WITH 4" MINIMUM SUMP
RIM EL.: 134.75± (MATCH
PAVE EL.)
INV. EL.: 133.13
(12" DIA. HPDE ADS W/ 12"
COVER)

OPEN DRAINAGEWAY
SECTION, STREAM
(APPROXIMATE LOCATION,
NOT FLAGGED)

PROPOSED CURBING
50' ± CURB
(RIDOT STD. 7.6.0)
(SAWCUT AND TIE IN ALONG
EXISTING FACE OF CURB)

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WATERSHED LAYOUT DEVELOPED CONDITION PROPOSED SITE PLAN WELLNESS AND FITNESS CENTER UNIVERSITY OF RHODE ISLAND

PROJECT ARCHITECT:
WILLIAM KITE ARCHITECTS
166 VALLEY ST
PROVIDENCE, RI 02909
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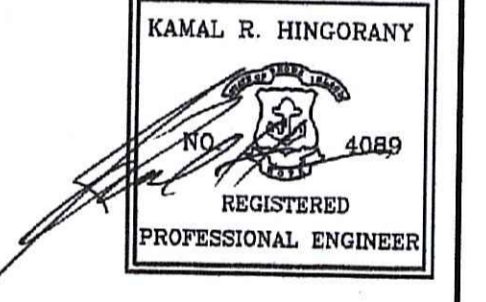


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[URI BOARD OF GOVERNORS
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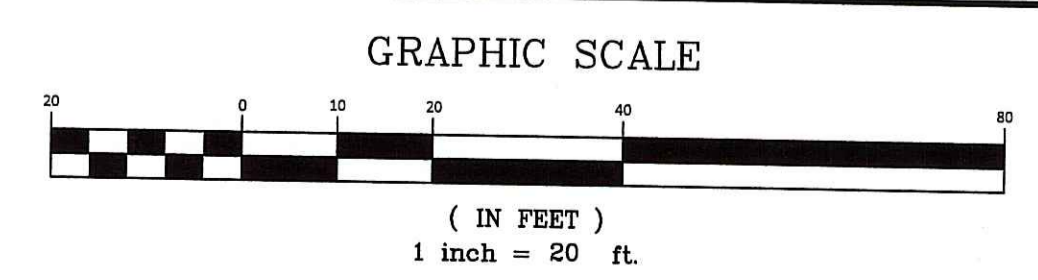
UTILITIES EXCEPTING PROPOSED DRAINAGE NOT DISPLAYED FOR CLARITY ON THIS SHEET

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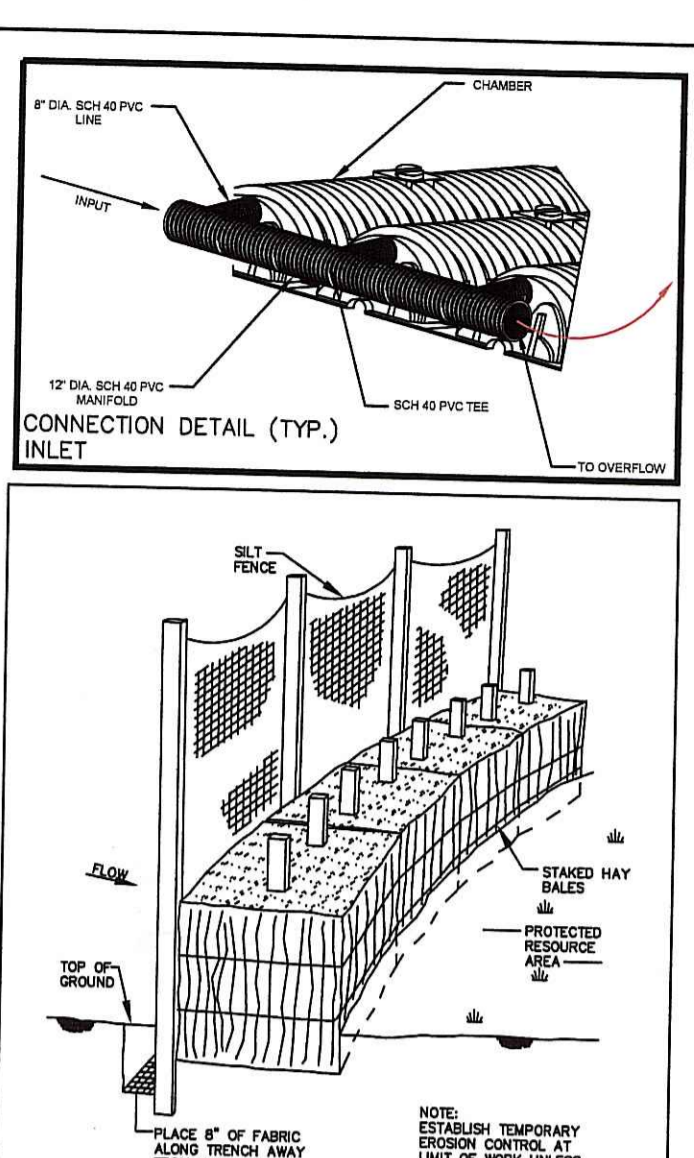
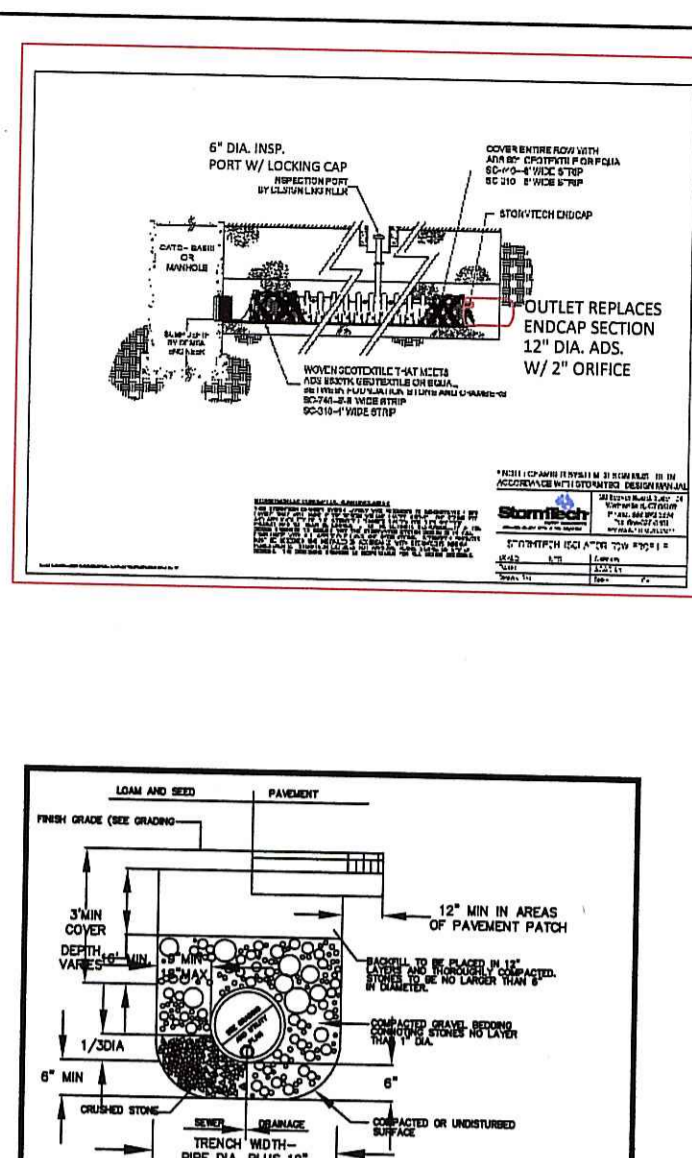
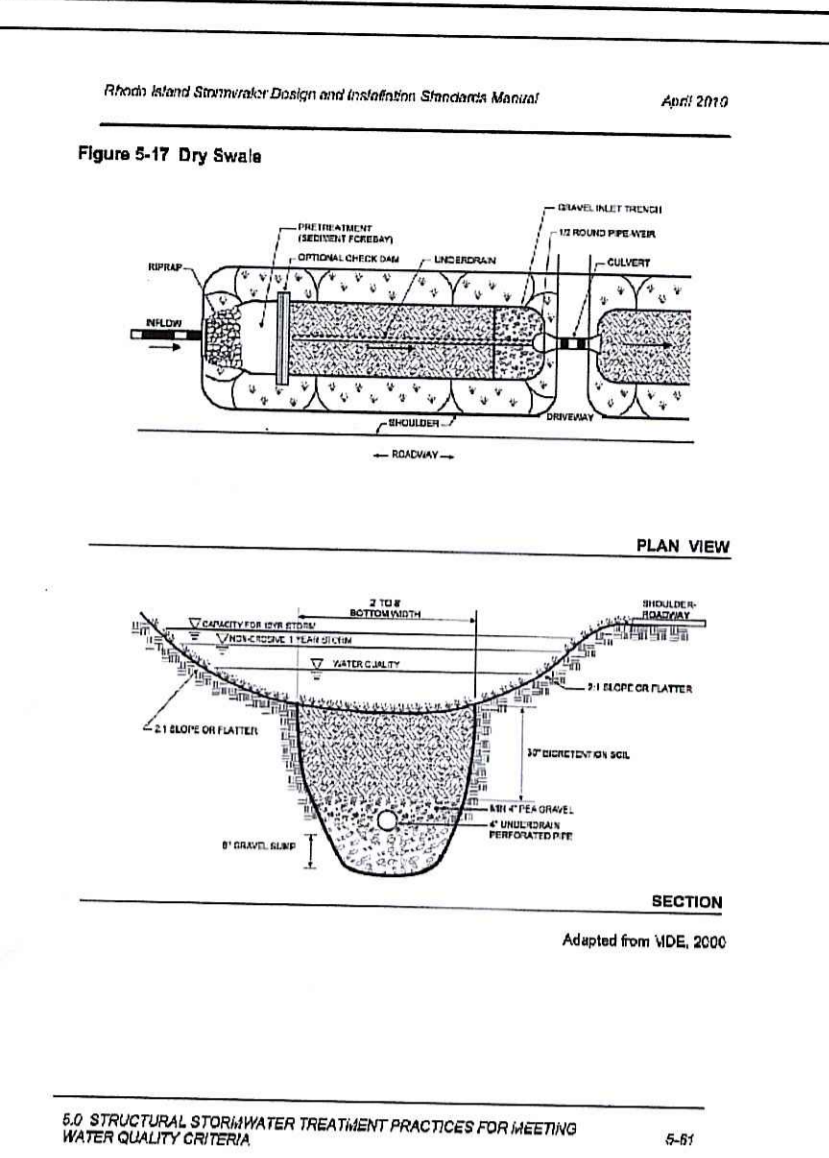
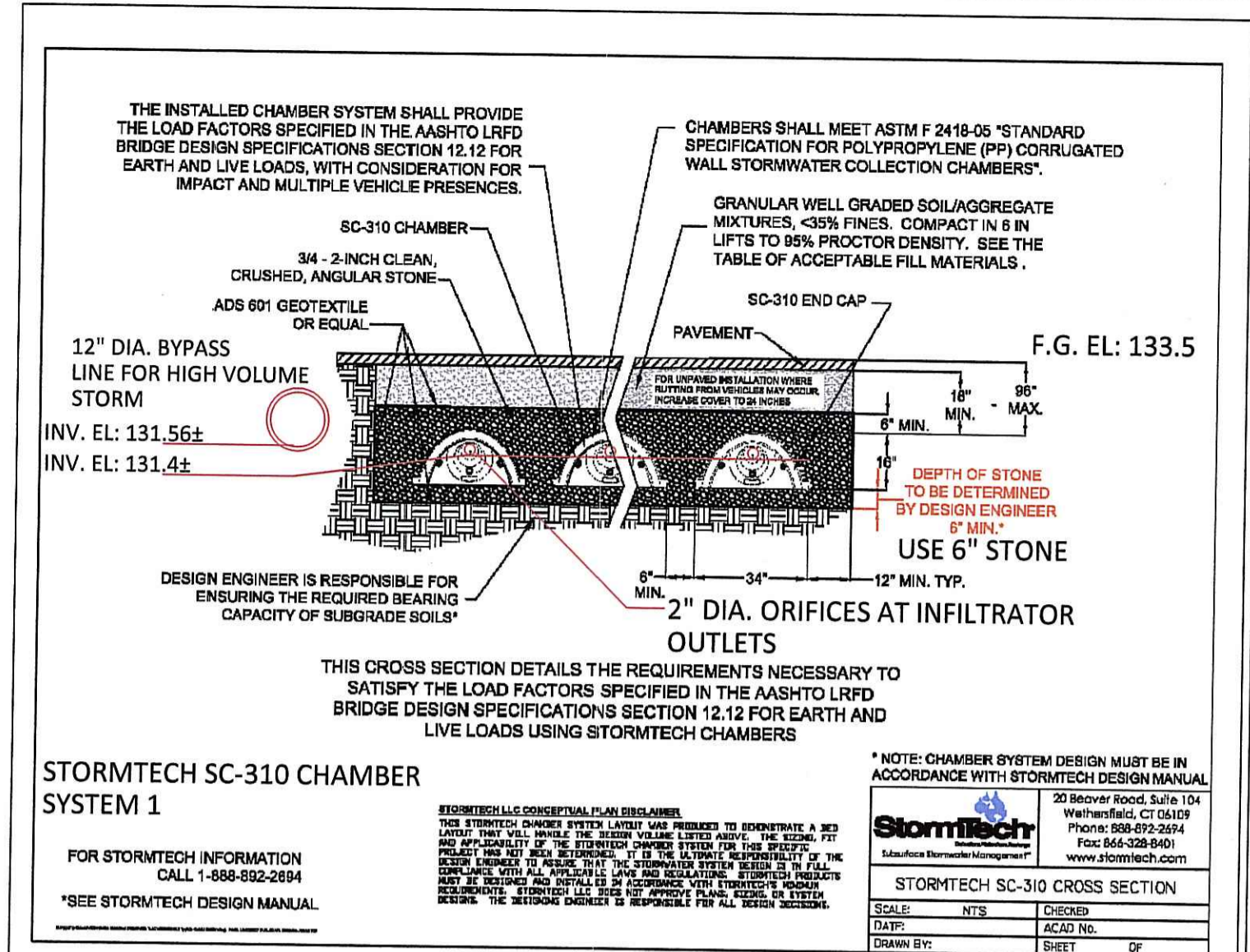
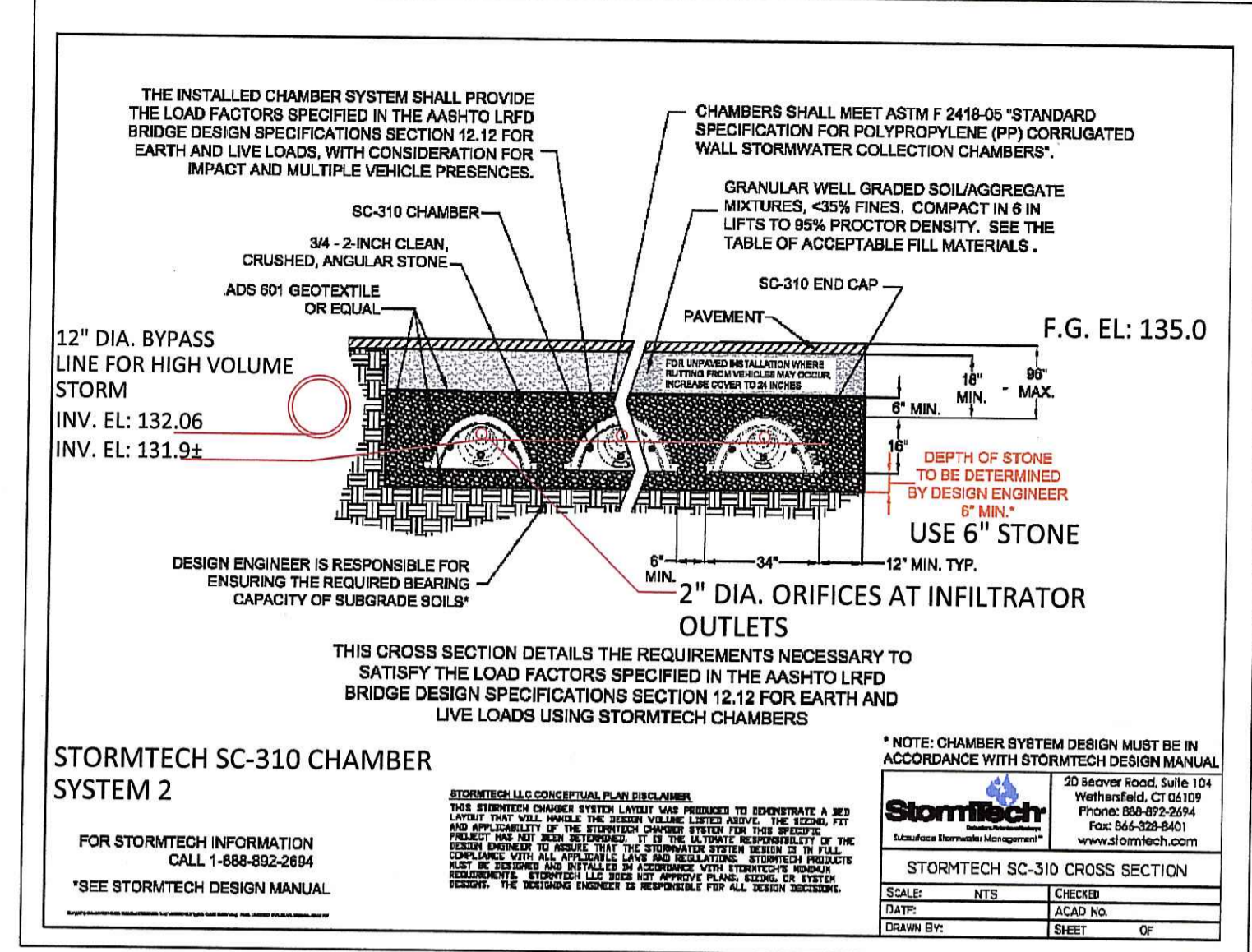
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- ⊙ LIGHT POLE

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SHEET	SCALE
4 OF 5	1"=20'



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SHEET TITLE
**PROPOSED SITE PLAN
WELLNESS AND FITNESS CENTER
UNIVERSITY OF RHODE ISLAND**

PROJECT ARCHITECT:
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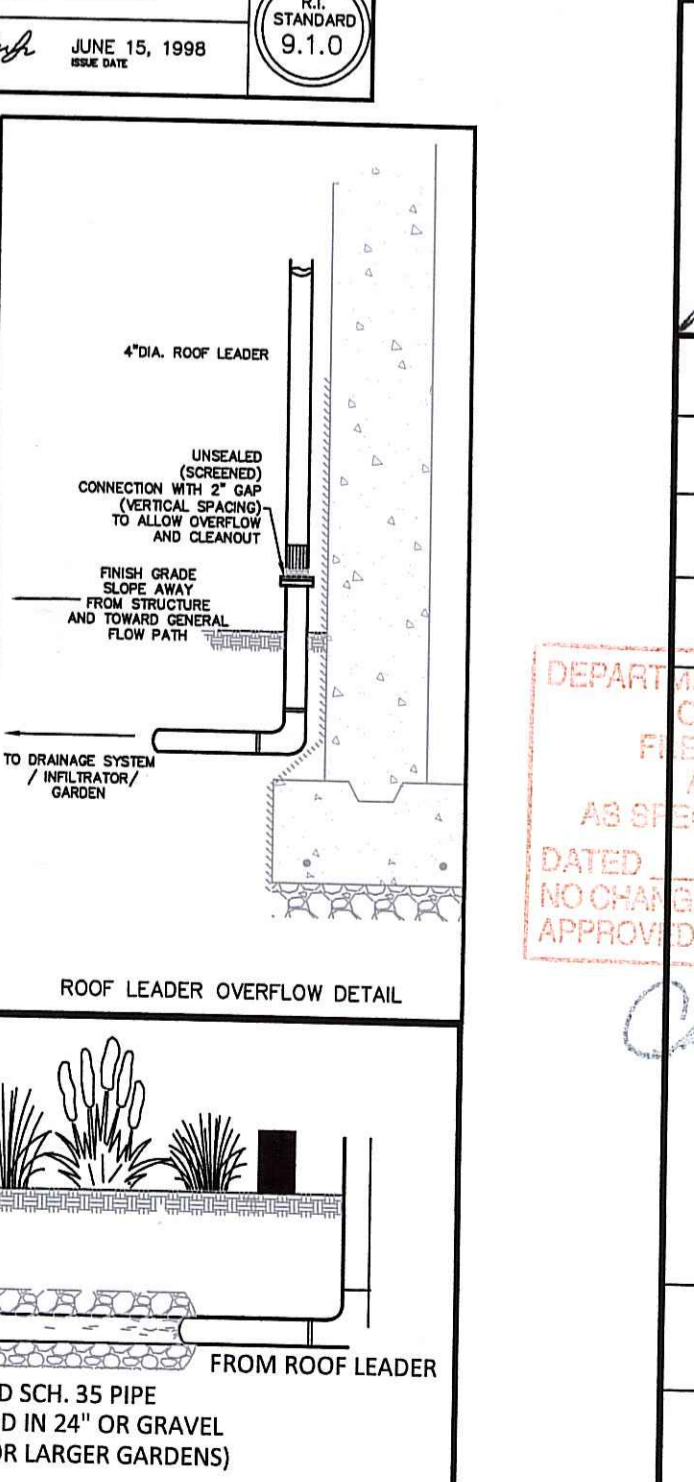
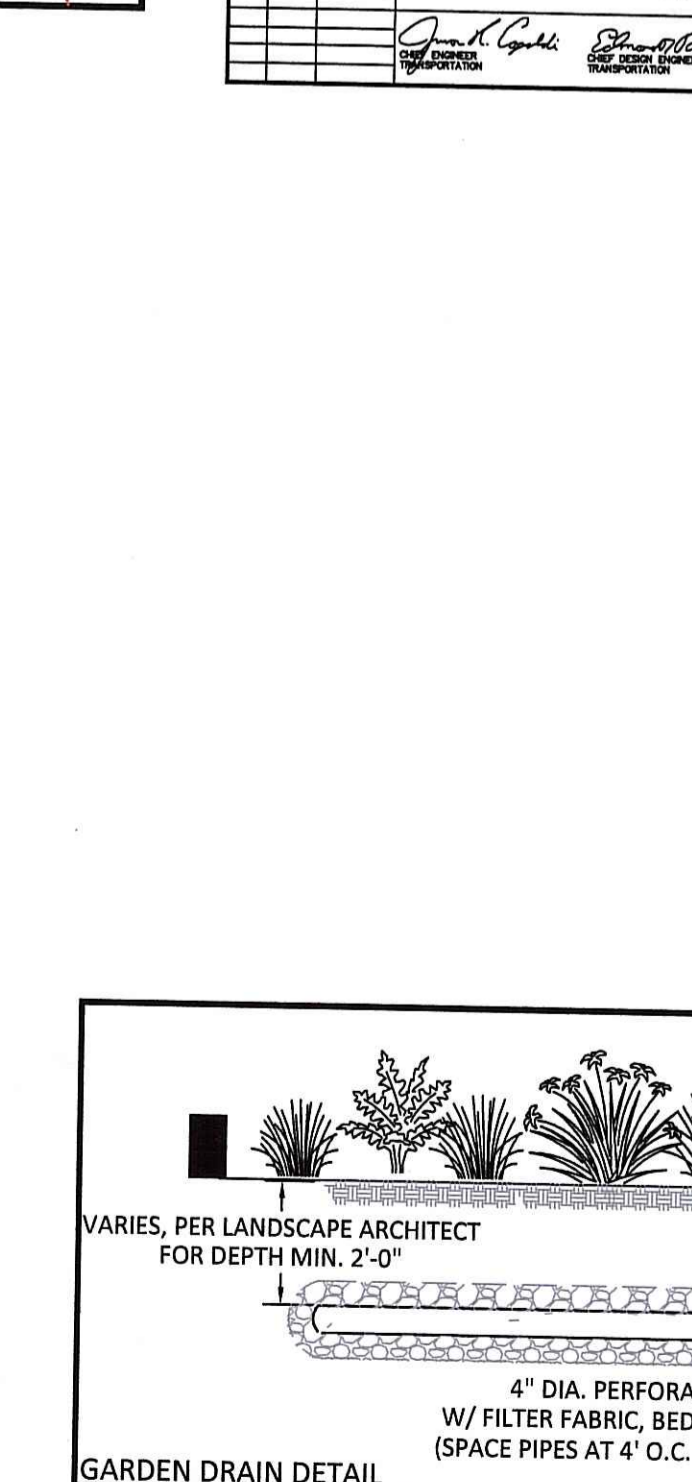
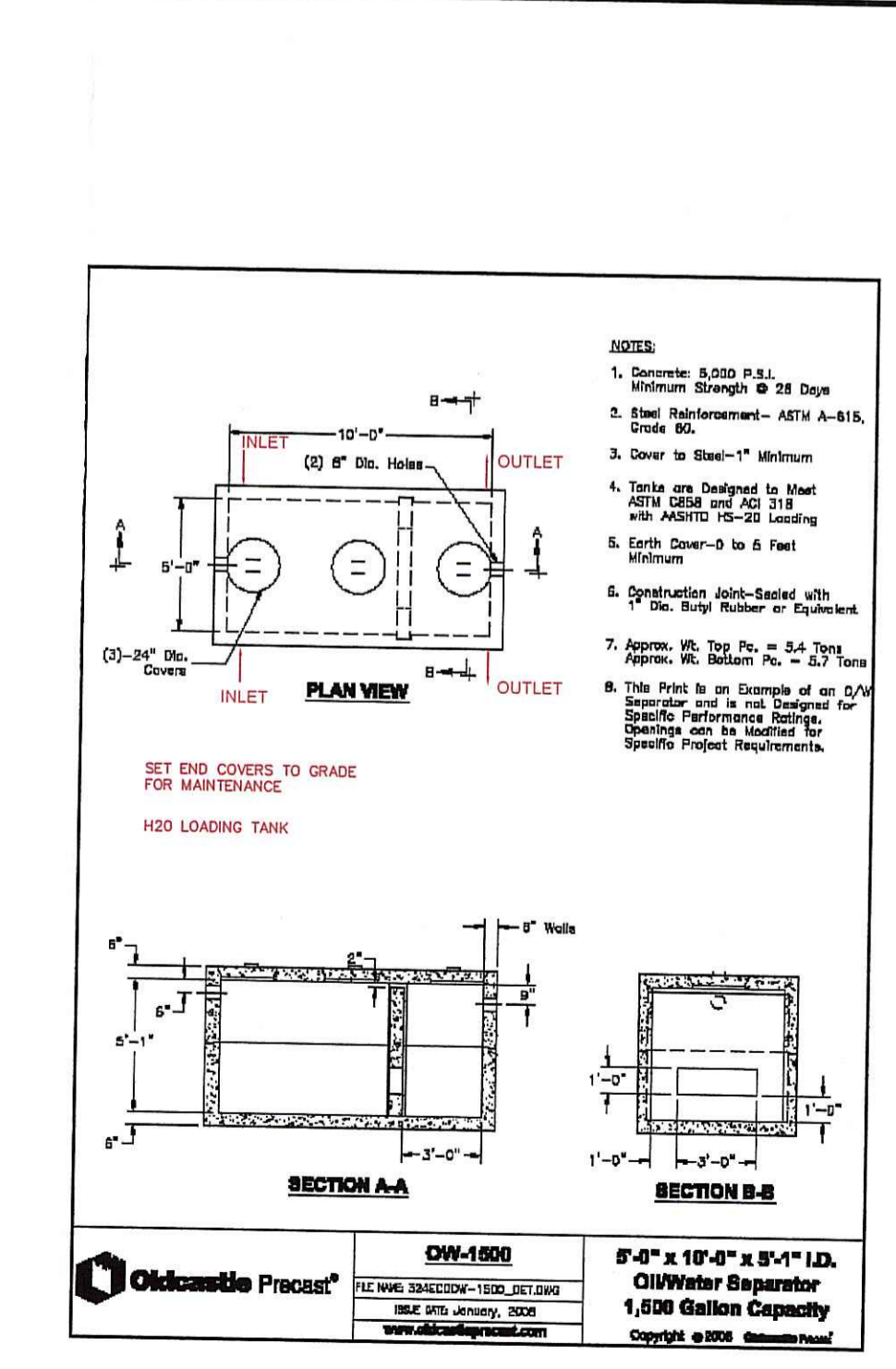
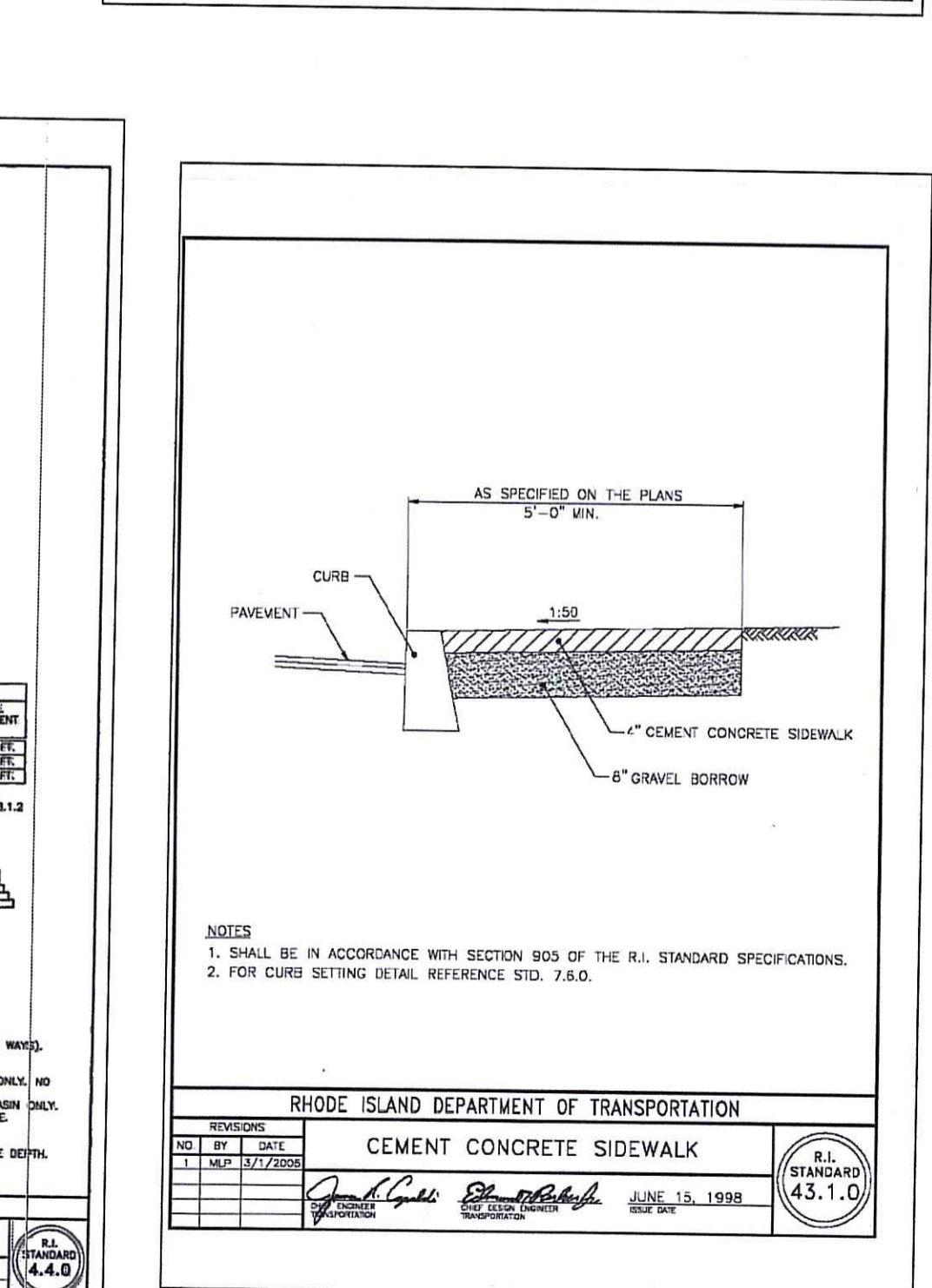
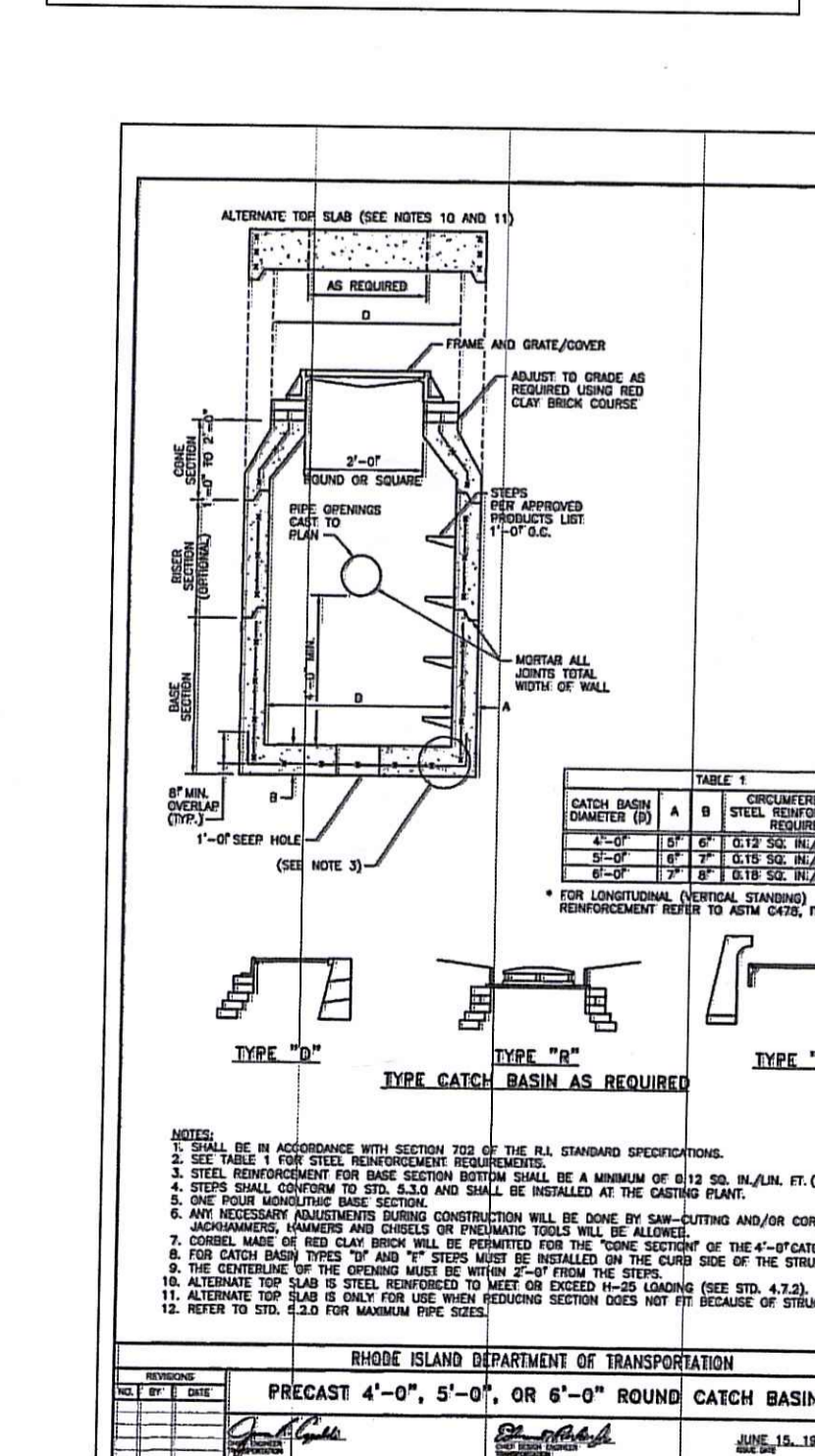
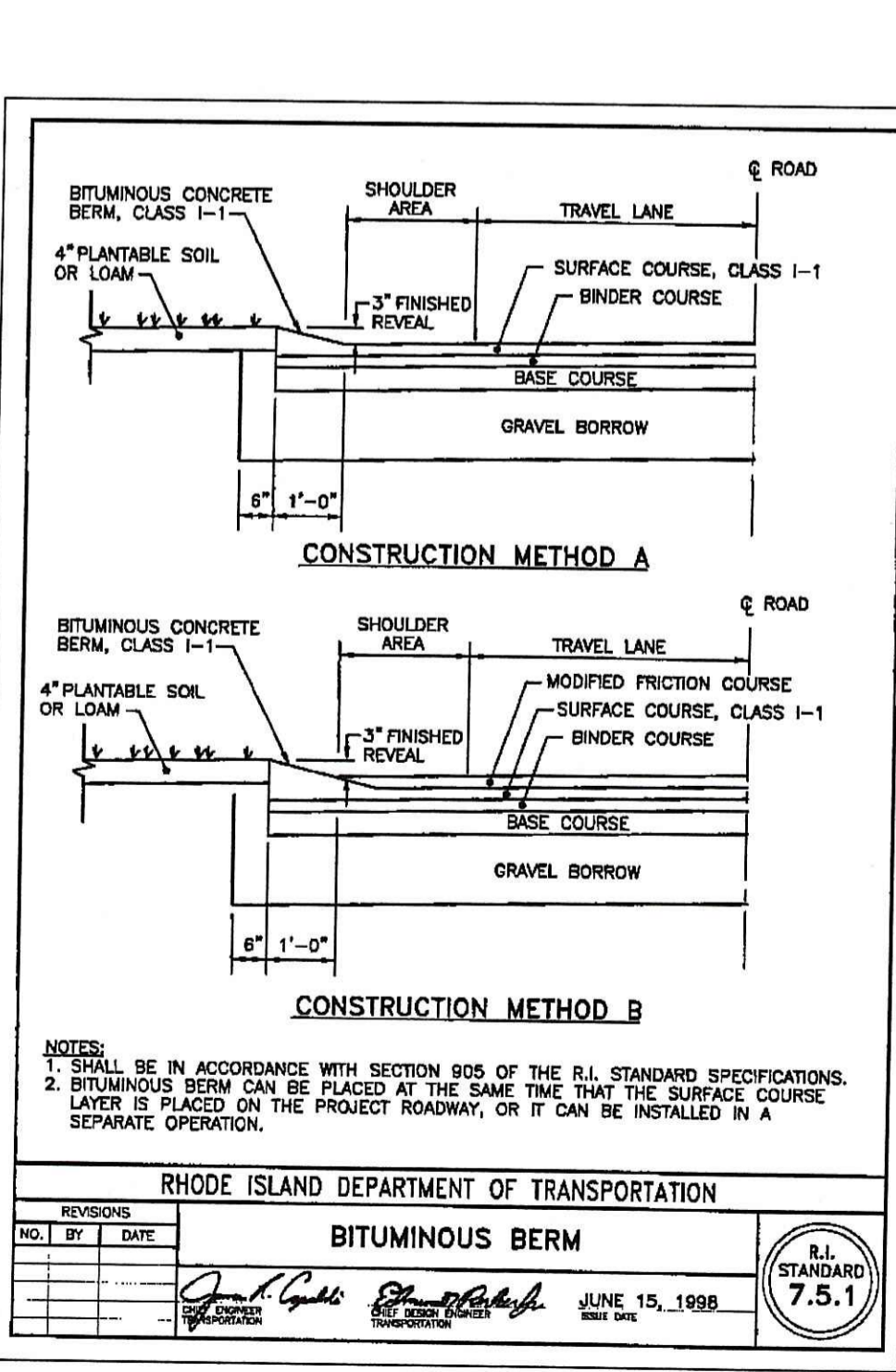
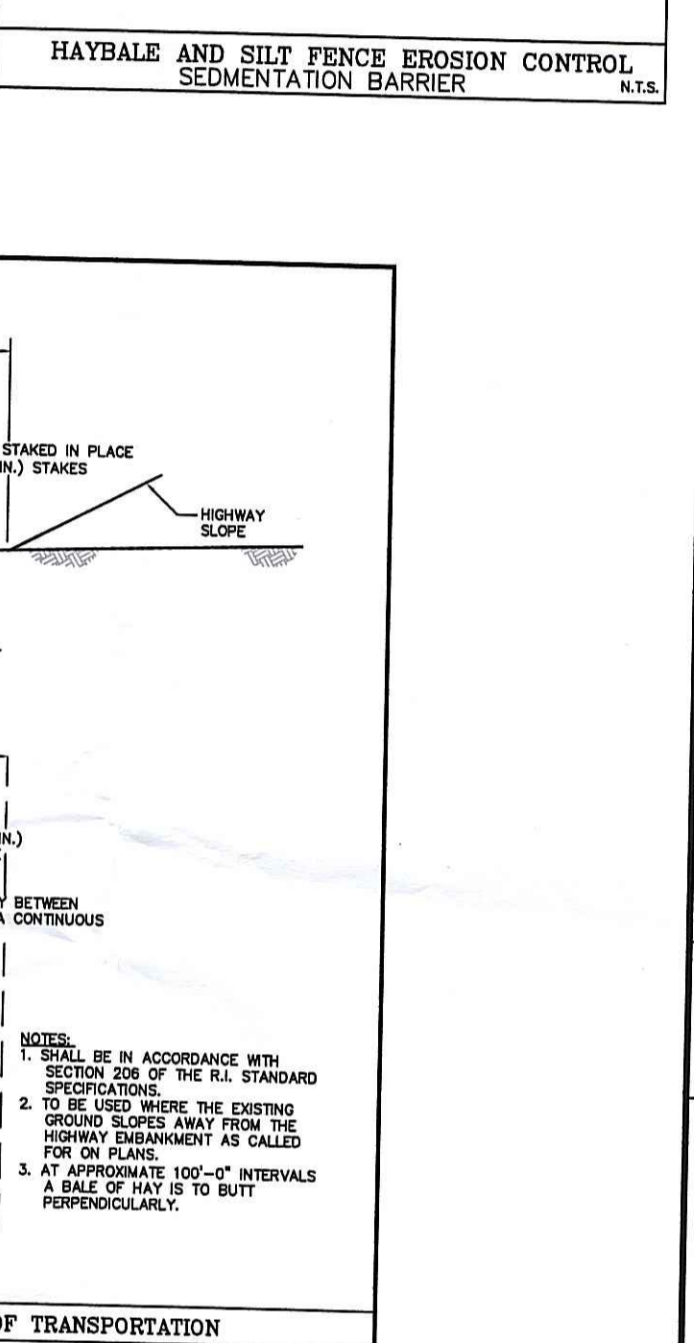
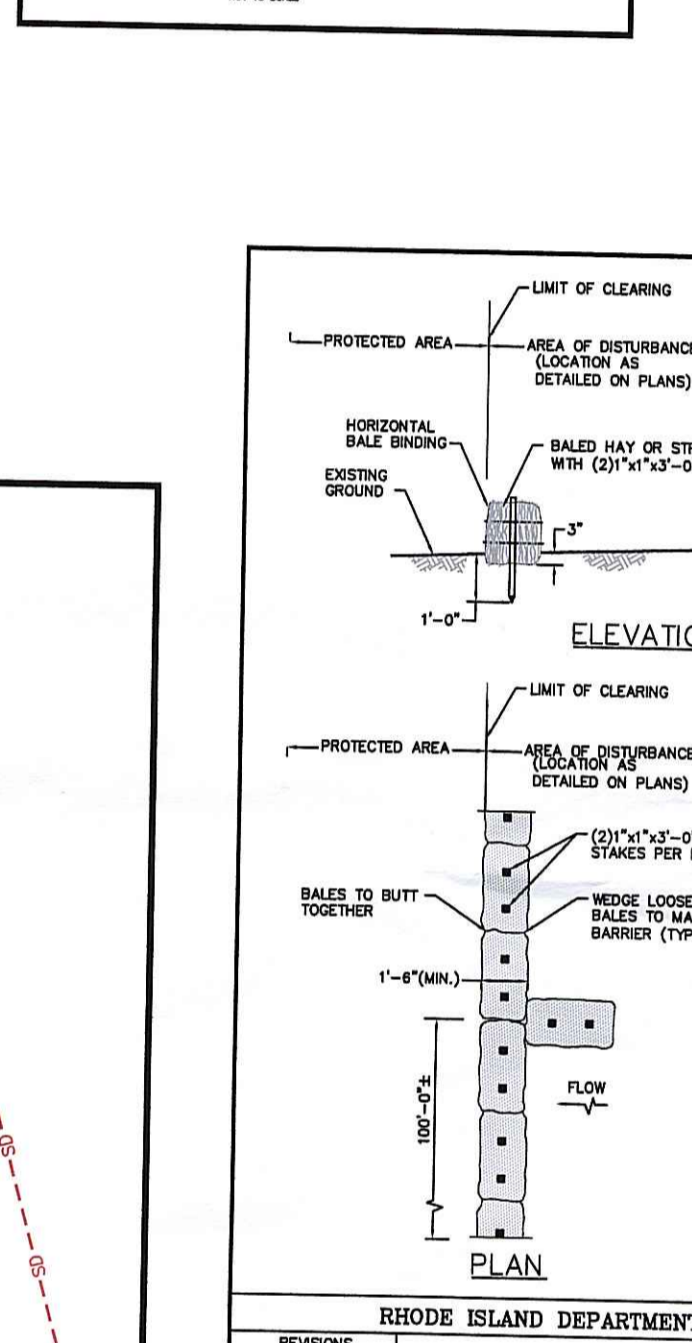
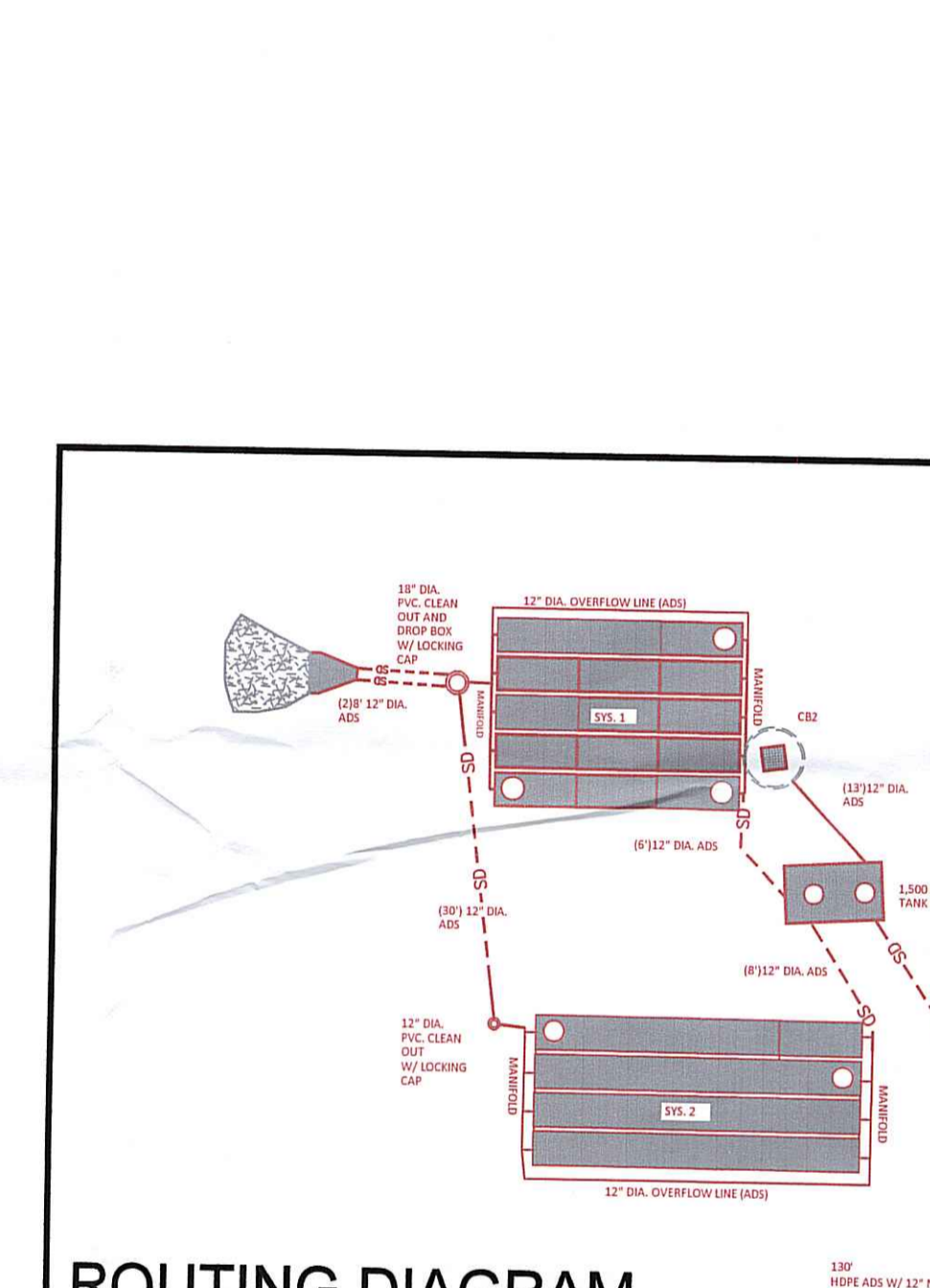
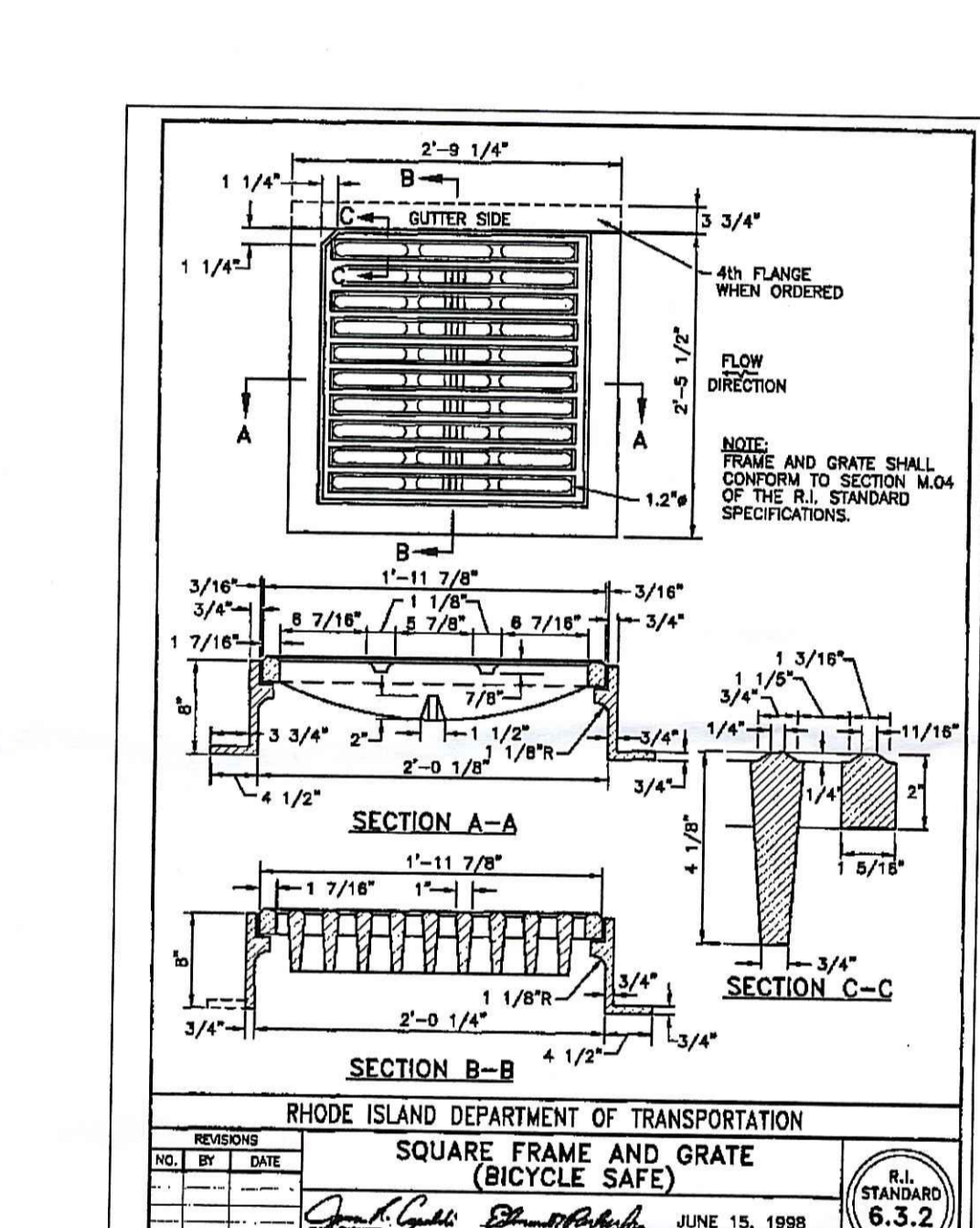
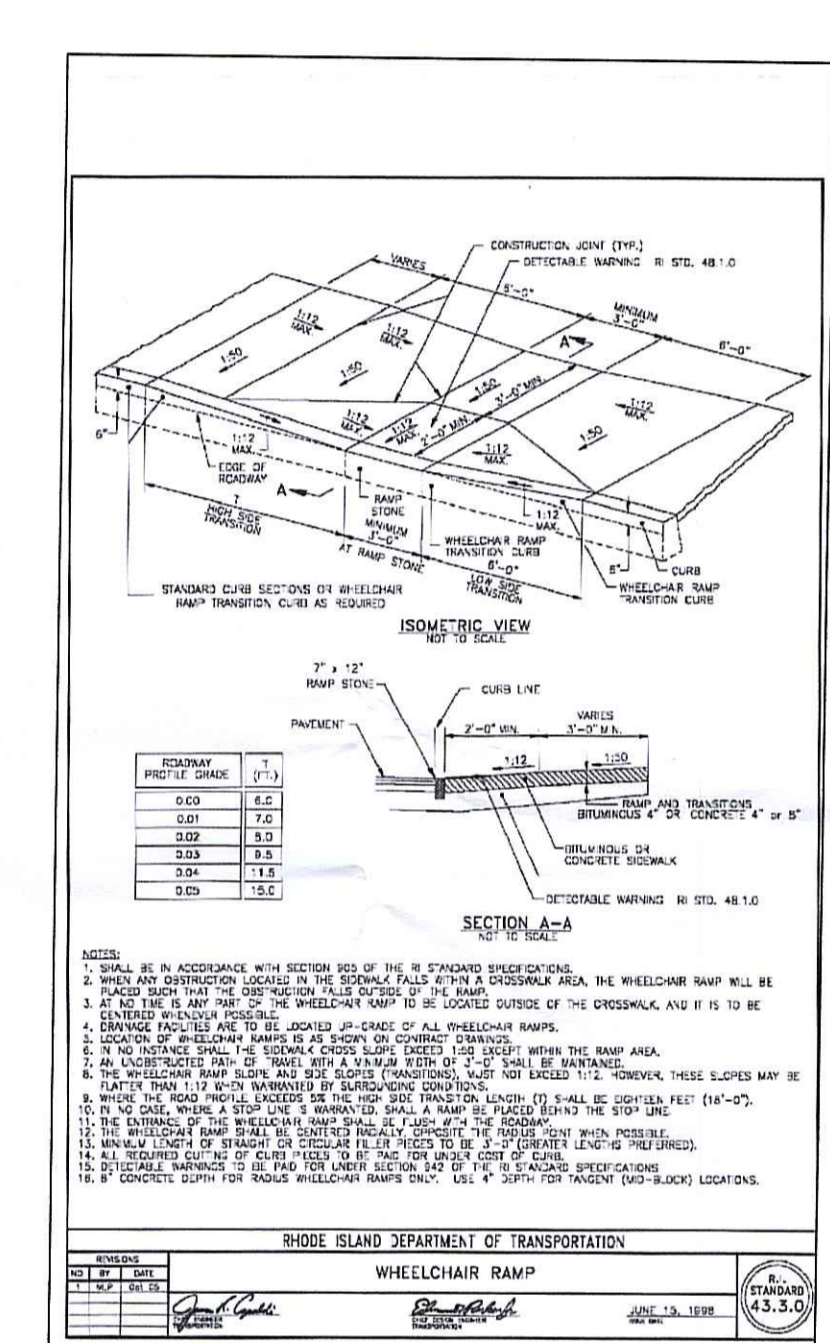
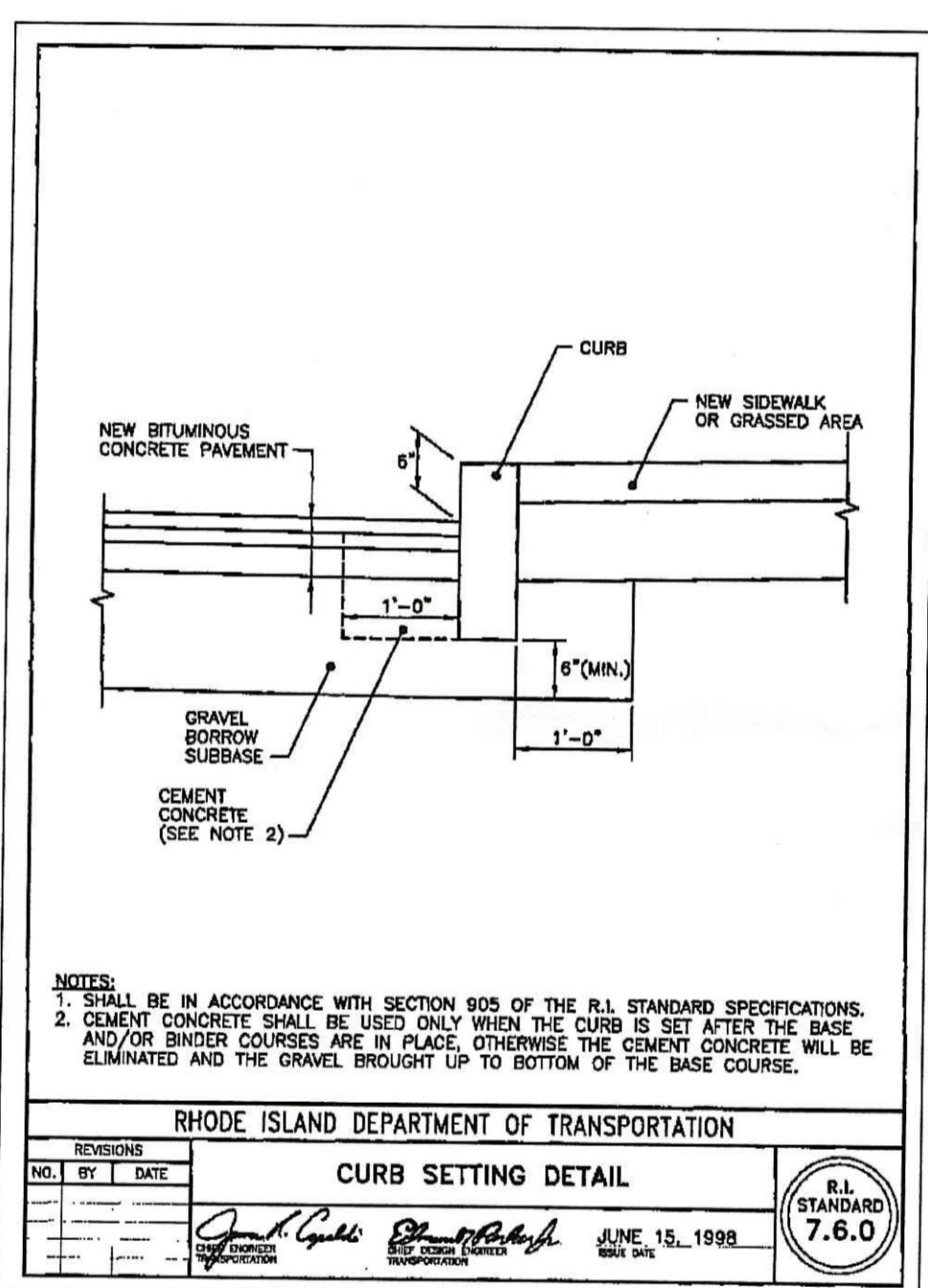
NO.	DATE	DESCRIPTION	BY

KAMAL R. HINGORANY
REGISTERED PROFESSIONAL ENGINEER
No. 4089

NO.	DATE	DESCRIPTION	BY

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WELFARE PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: JAN 19 2011 FILE # 10-0175
NO CHANGES ALLOWED WITHOUT PREVIOUS
APPROVED PLANS MUST BE AT CONSTRUCTION

Charles A. Hester



VARIES, PER LANDSCAPE ARCHITECT
FOR DEPTH MIN. 2'-0"
4" DIA. PERFORATED SCH. 35 PIPE
W/ FILTER FABRIC, BEDDED IN 24" OR GRAVEL
(SPACE PIPES AT 4' O.C. FOR LARGER GARDENS)
GARDEN DRAIN DETAIL