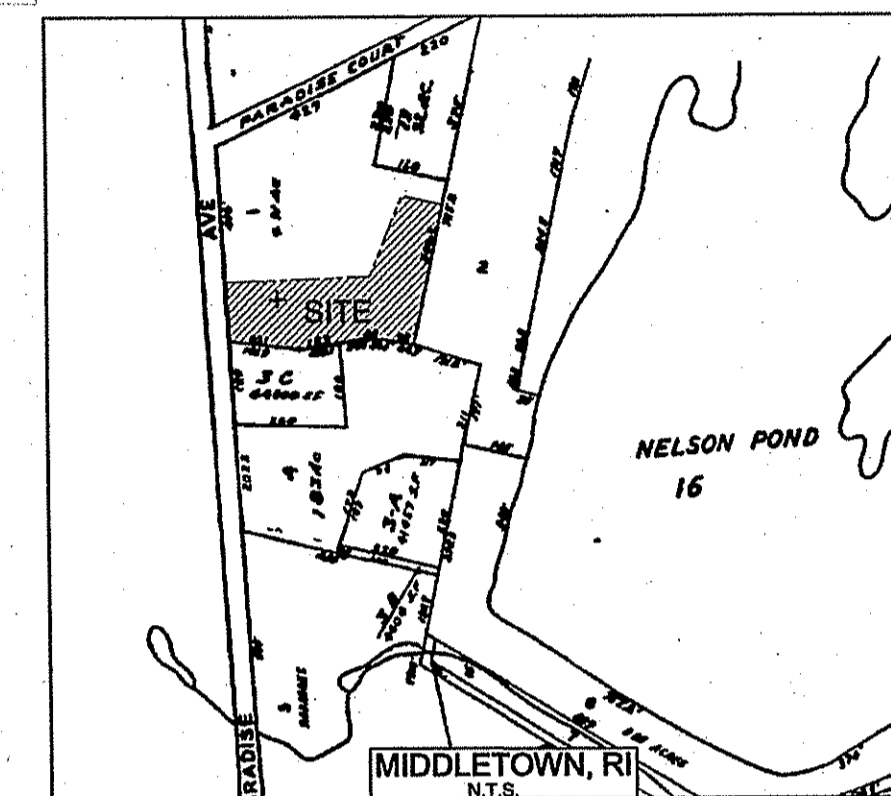


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No.	Revision	Date	App.

Designed By: _____ Drawn by: DLP Checked by: _____
Scale: 1" = 30' Date: 10DEC04

Project Title:
**AP 127, LOT 1
532 PARADISE AVENUE
MIDDLETOWN, RI**

Client/Owner:
**MR. JOHN UTZ
532 PARADISE AVENUE
MIDDLETOWN, RI 02842**

Issued for:

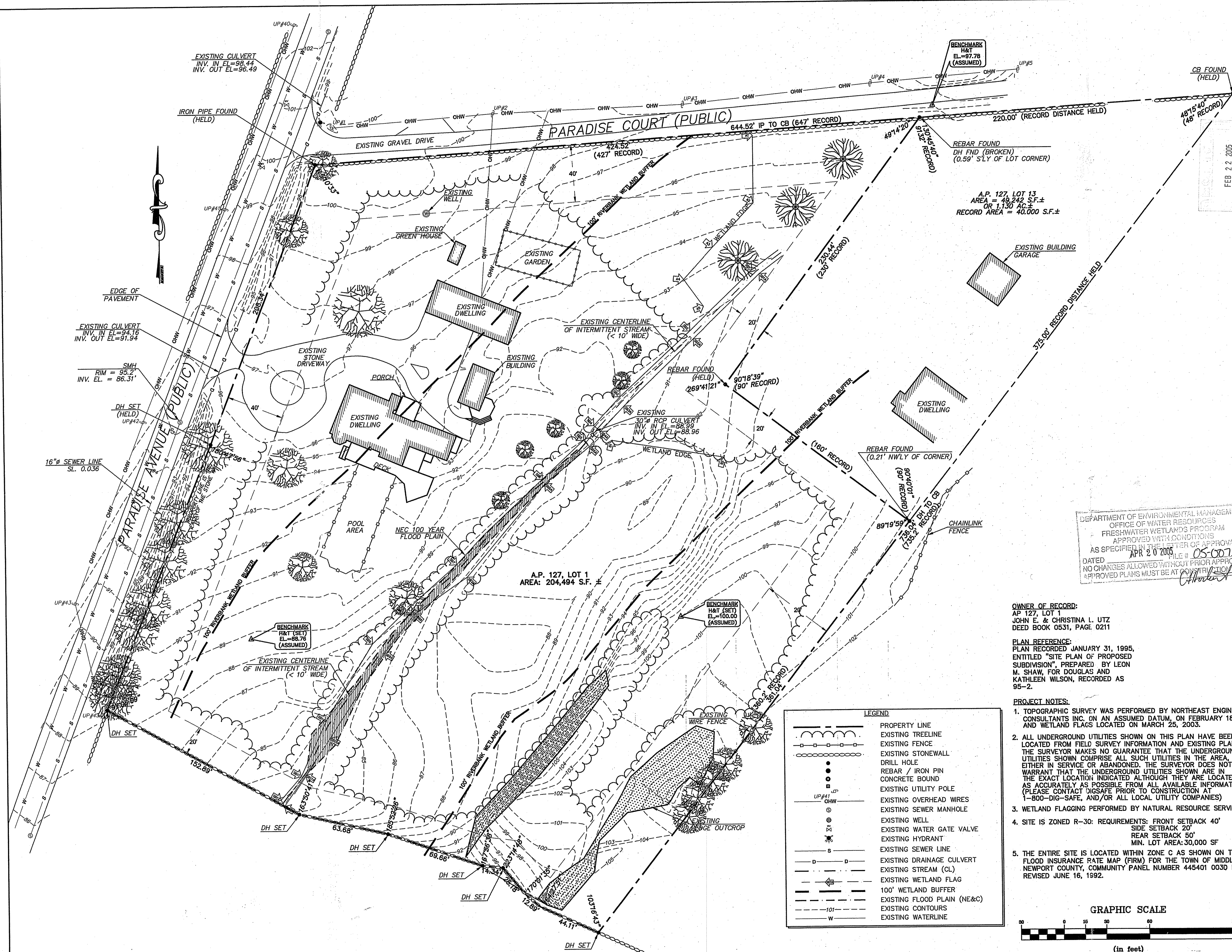
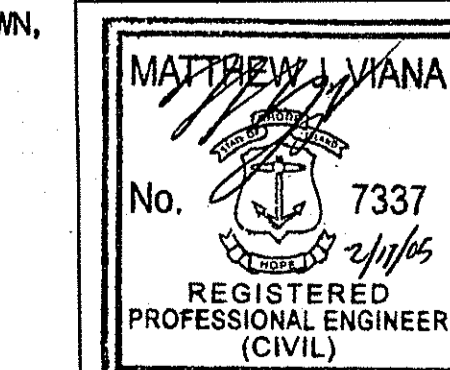
Drawing Title:
**EXISTING CONDITIONS
FOR A.P. 127, LOT 1
532 PARADISE AVE.
MIDDLETOWN, RI 02842**

Drawing Number:
EX-1

Sheet **1** of **4**

Project Number:
03045.0

Survey Index:



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATE: APR 20 2005 FILE # OS-0073
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

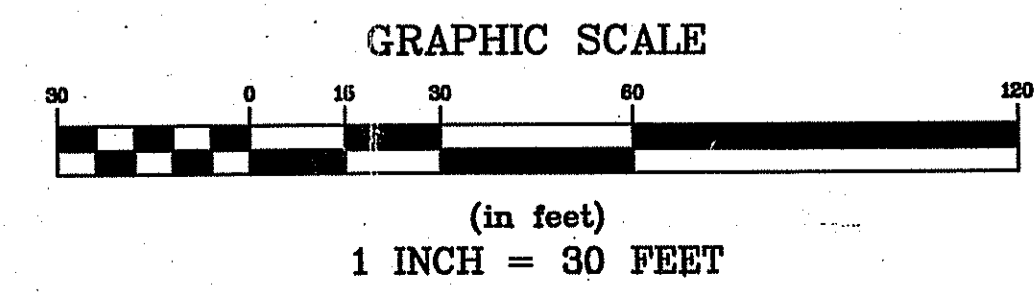
OWNER OF RECORD:
AP 127, LOT 1
JOHN E. & CHRISTINA L. UTZ
DEED BOOK 0531, PAGE 0211

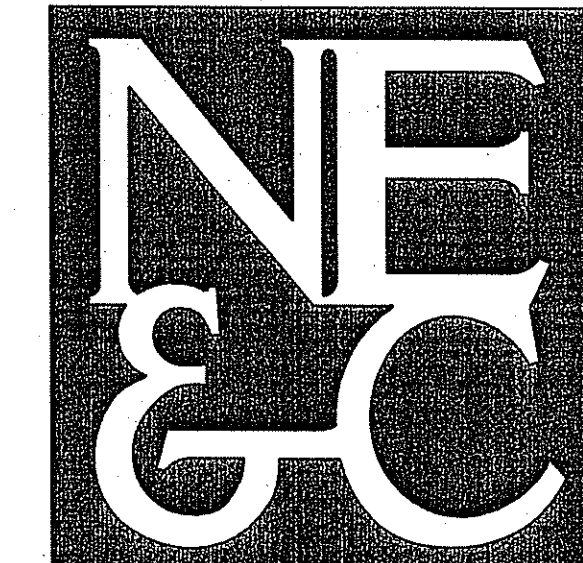
PLAN REFERENCE:
PLAN RECORDED JANUARY 31, 1995,
ENTITLED "SITE PLAN OF PROPOSED
SUBDIVISION", PREPARED BY LEON
M. SHAW, FOR DOUGLAS AND
KATHLEEN WILSON, RECORDED AS
95-2.

- PROJECT NOTES:**
- TOPOGRAPHIC SURVEY WAS PERFORMED BY NORTHEAST ENGINEERS & CONSULTANTS INC. ON AN ASSUMED DATUM, ON FEBRUARY 18, 2003, AND WETLAND FLAGS LOCATED ON MARCH 25, 2003.
 - 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 THE EXACT LOCATION INDICATED ALTHOUGH THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM ALL AVAILABLE INFORMATION. (PLEASE CONTACT DIGSAFE PRIOR TO CONSTRUCTION AT 1-800-DIG-SAFE, AND/OR ALL LOCAL UTILITY COMPANIES)
 - WETLAND FLAGGING PERFORMED BY NATURAL RESOURCE SERVICE, INC.
 - SITE IS ZONED R-30: REQUIREMENTS: FRONT SETBACK 40' SIDE SETBACK 20' REAR SETBACK 50' MIN. LOT AREA: 30,000 SF
 - THE ENTIRE SITE IS LOCATED WITHIN ZONE C AS SHOWN ON THE FLOOD INSURANCE RATE MAP (FIRM) FOR THE TOWN OF MIDDLETOWN, NEWPORT COUNTY, COMMUNITY PANEL NUMBER 445401 0030 MAP REVISED JUNE 16, 1992.

LEGEND

	PROPERTY LINE
	EXISTING TREELINE
	EXISTING FENCE
	EXISTING STONEWALL
	DRILL HOLE
	REBAR / IRON PIN
	CONCRETE BOUND
	EXISTING UTILITY POLE
	EXISTING OVERHEAD WIRES
	EXISTING SEWER MANHOLE
	EXISTING WELL
	EXISTING WATER GATE VALVE
	EXISTING HYDRANT
	EXISTING SEWER LINE
	EXISTING DRAINAGE CULVERT
	EXISTING STREAM (CL)
	EXISTING WETLAND FLAG
	100' WETLAND BUFFER
	EXISTING FLOOD PLAIN (NE&C)
	EXISTING CONTOURS
	EXISTING WATERLINE





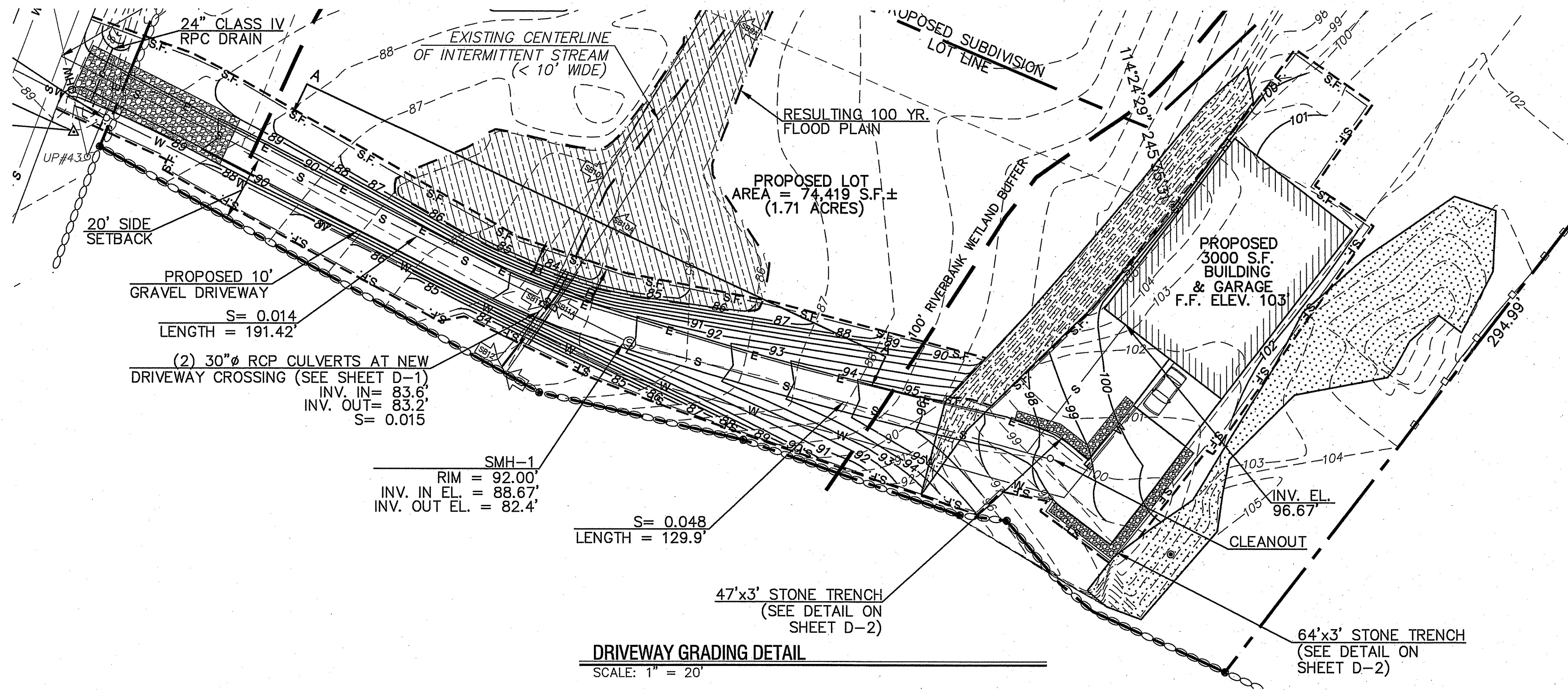
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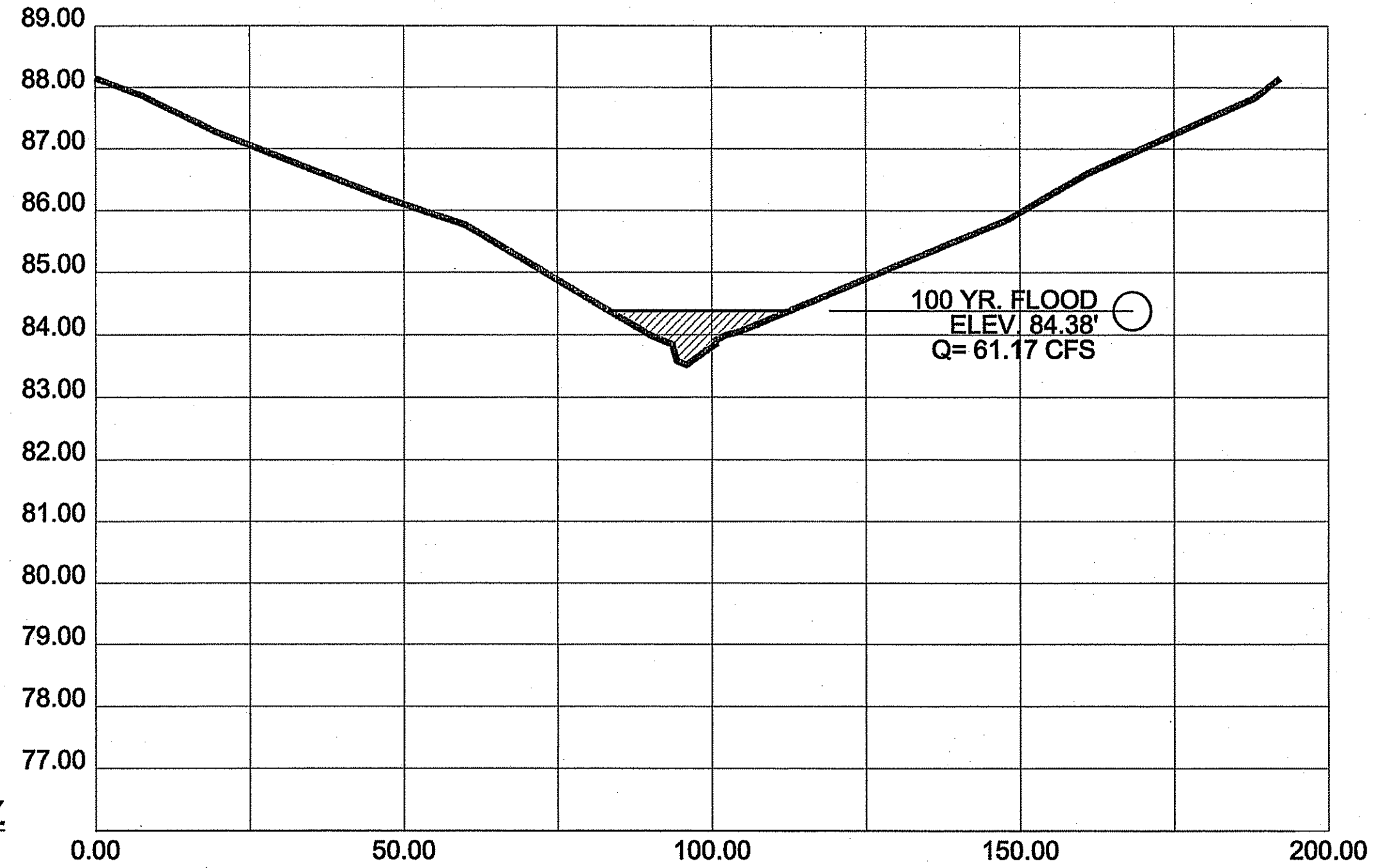
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FEB 22 2005

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAR 03 2005 FILE # 05-0073
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SCALE
Alford



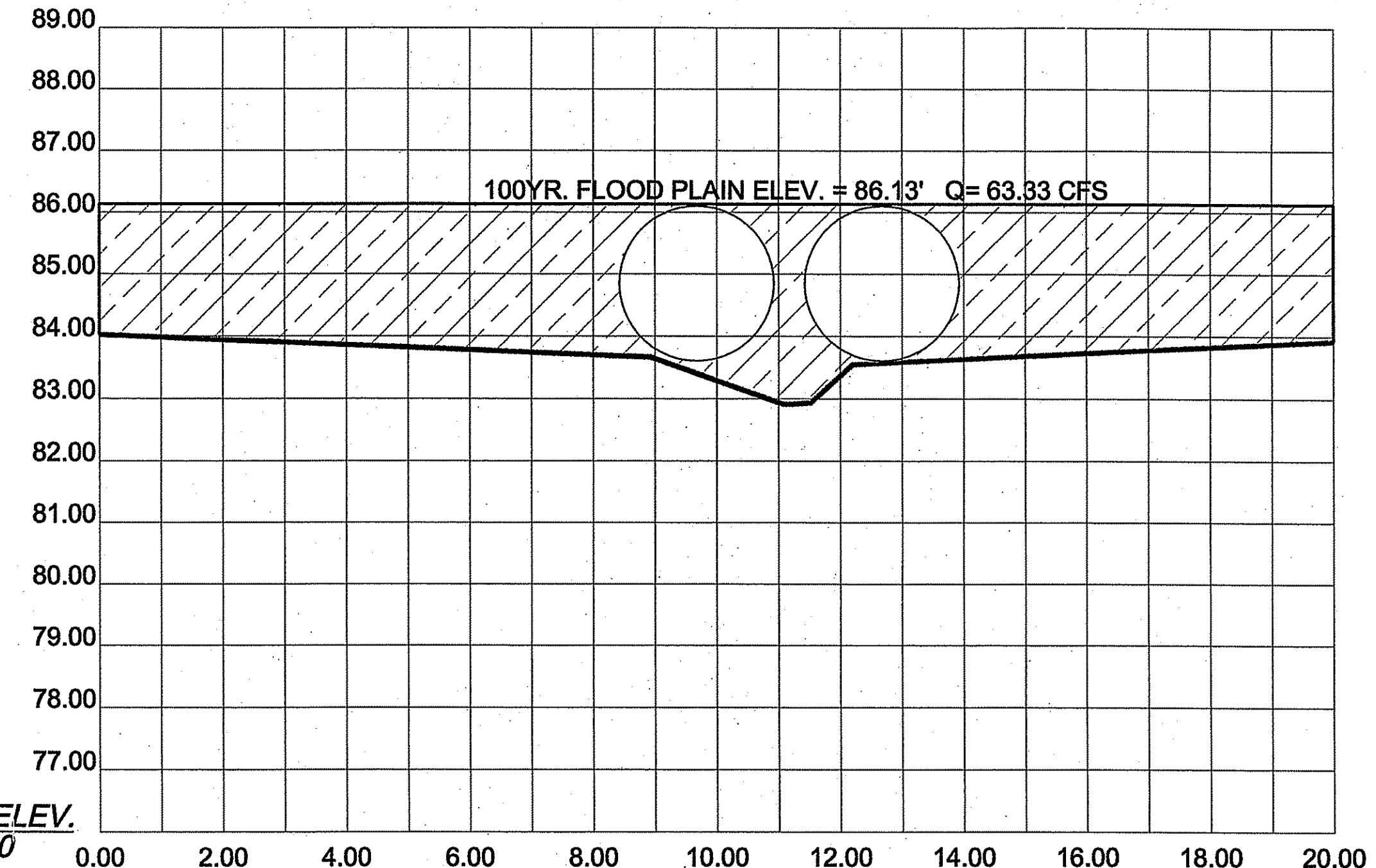
DRIVEWAY GRADING DETAIL
SCALE: 1" = 20'



**GROUP A-A
SECTION A-A**

ELEVATION	AREA	WETTED PERIMETER
AT EL. 84.00	2.79 S.F. ±	12.72'
AT EL. 85.00	36.80 S.F. ±	54.76'
AT EL. 86.00	112.28 S.F. ±	97.88'
AT EL. 87.00	232.58 S.F. ±	143.63'
AT EL. 88.00	398.29 S.F. ±	186.66'
AT EL. 88.15	426.35 S.F. ±	192.50'

SECTION A-A
SCALE: 1" = 20'



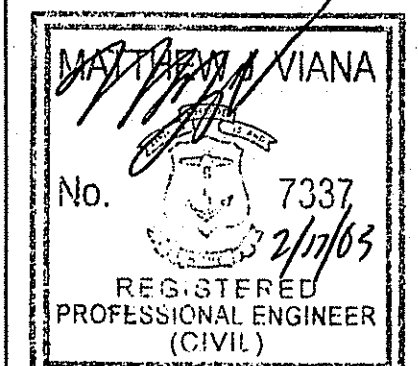
**GROUP B-B
SECTION B-B**

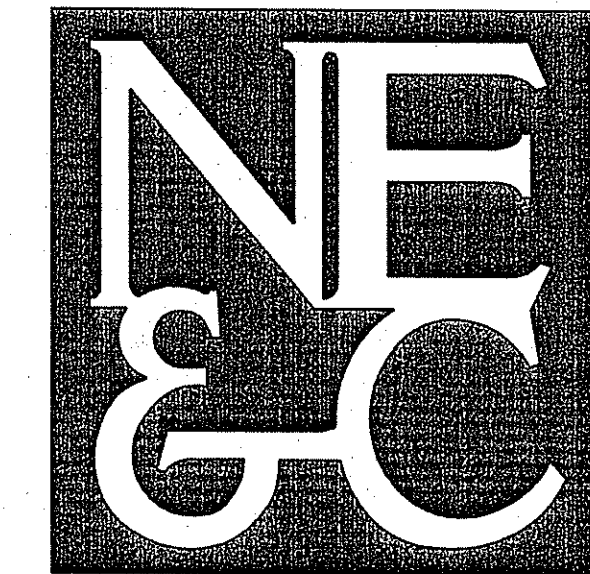
SECTION	AREA	WETTED PERIMETER
CULVERT CROSS SECTION	22.32 S.F. ±	14.37 S.F. ±

NOTE:
1. THE HORIZONTAL & VERTICAL SCALE IS 1" = 2'.
2. THE AREA OF SHADING REPRESENTS THE 100 YEAR FLOOD ELEVATION.

SECTION B-B
SCALE: 1" = 20'

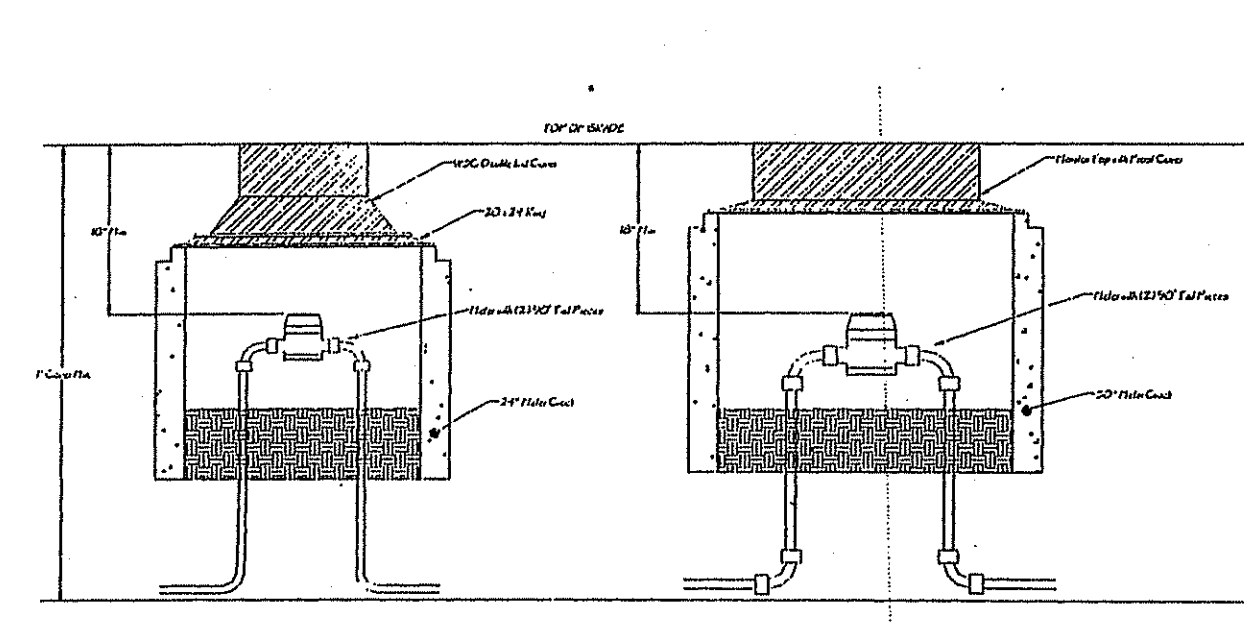
No.	Revision	Date	App.
Designed By: RSM Drawn by: DLP Checked by:			
Scale: AS NOTED Date: 03FEB05			
Project Title:			
AP 127, LOT 1 532 PARADISE AVENUE MIDDLETOWN, RI			
Client/Owner:			
MR. JOHN UTZ 532 PARADISE AVENUE MIDDLETOWN, RI 02842			
Issued for:			
PRELIMINARY DETERMINATION			
Drawing Title:			
DRIVEWAY GRADING DETAIL & SECTIONS			
Drawing Number:		D-1	
Sheet 3 of 4		Project Number:	
		03045.0	
Survey Index:			



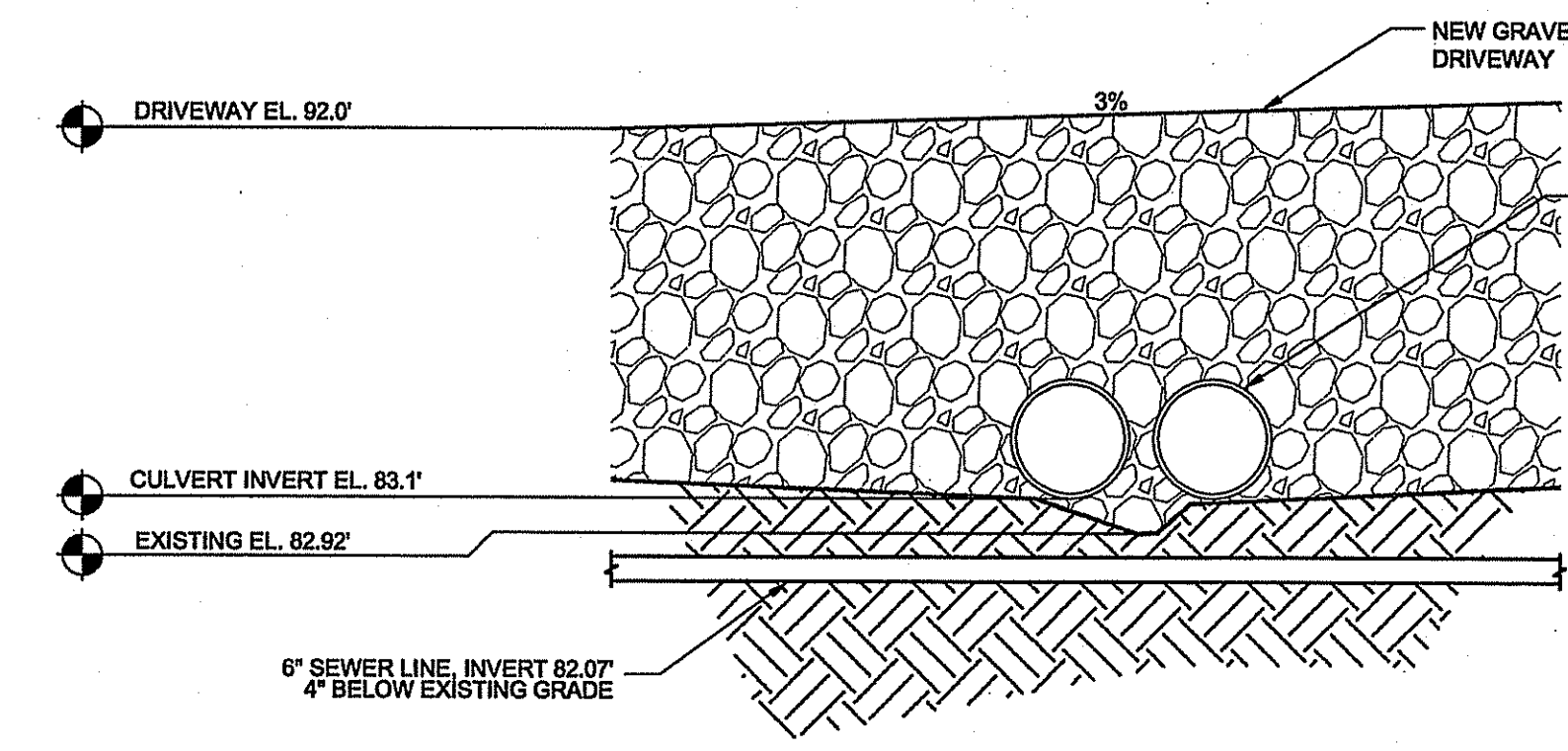


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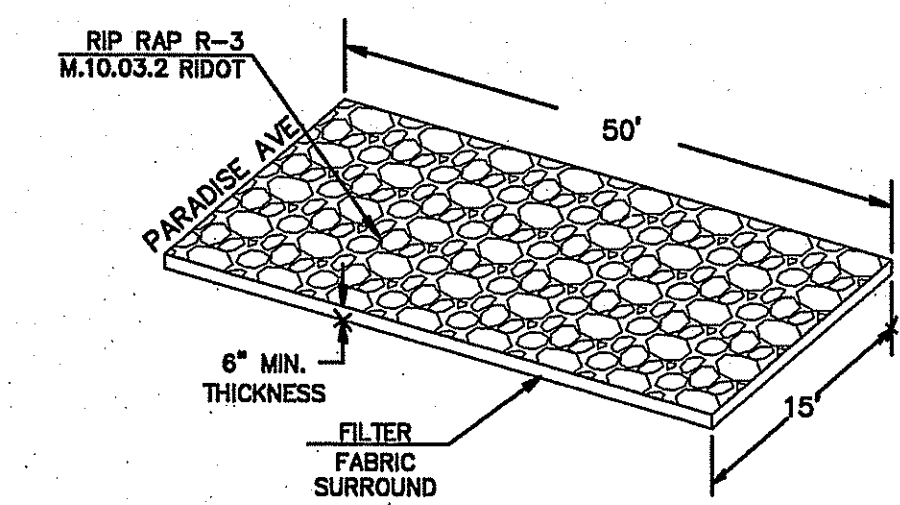


METER PIT DETAILS
 SCALE: NTS

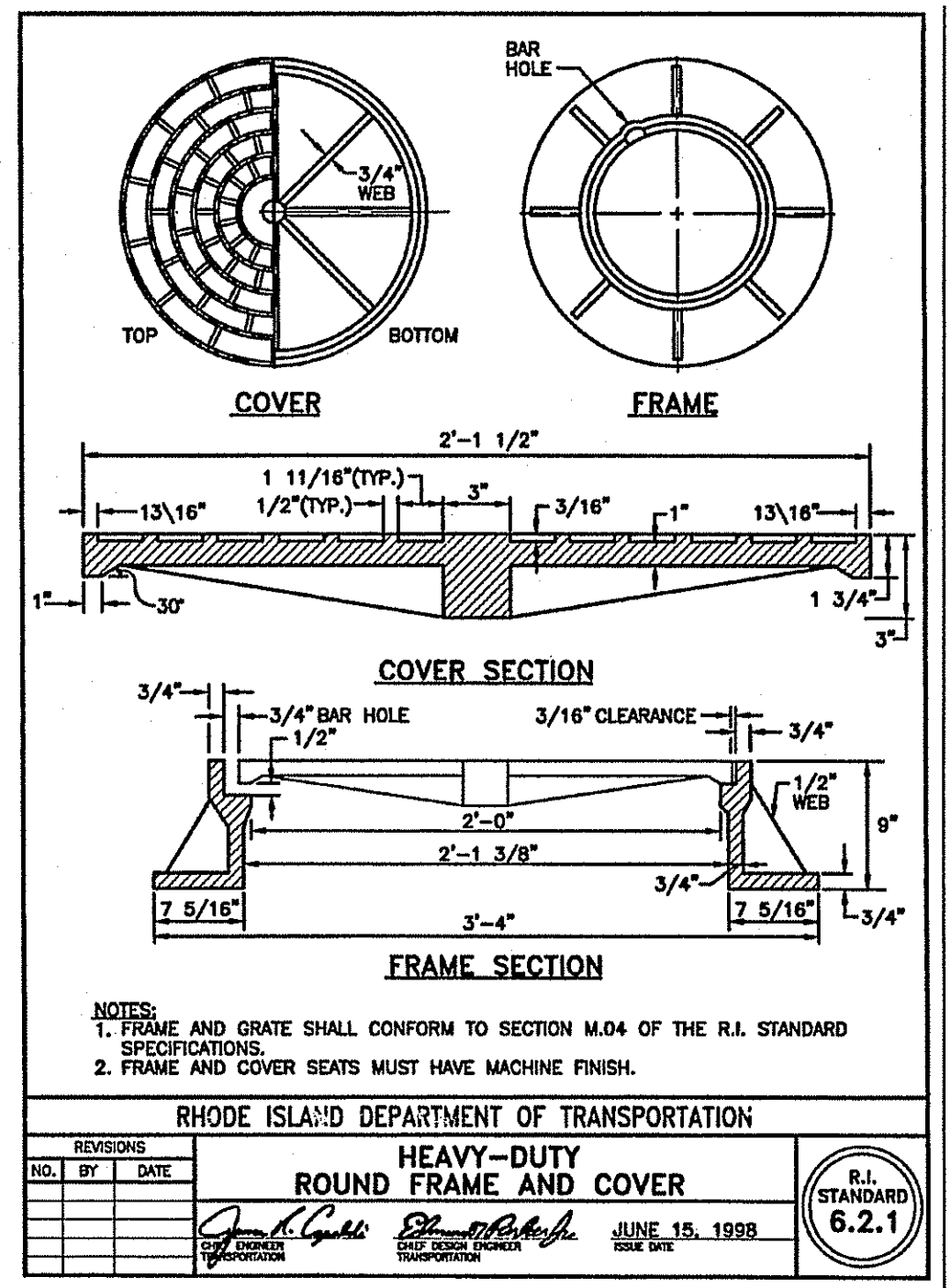


PROPOSED INTERMITTENT STREAM CROSSING
 SCALE: 1" = 4'-0"

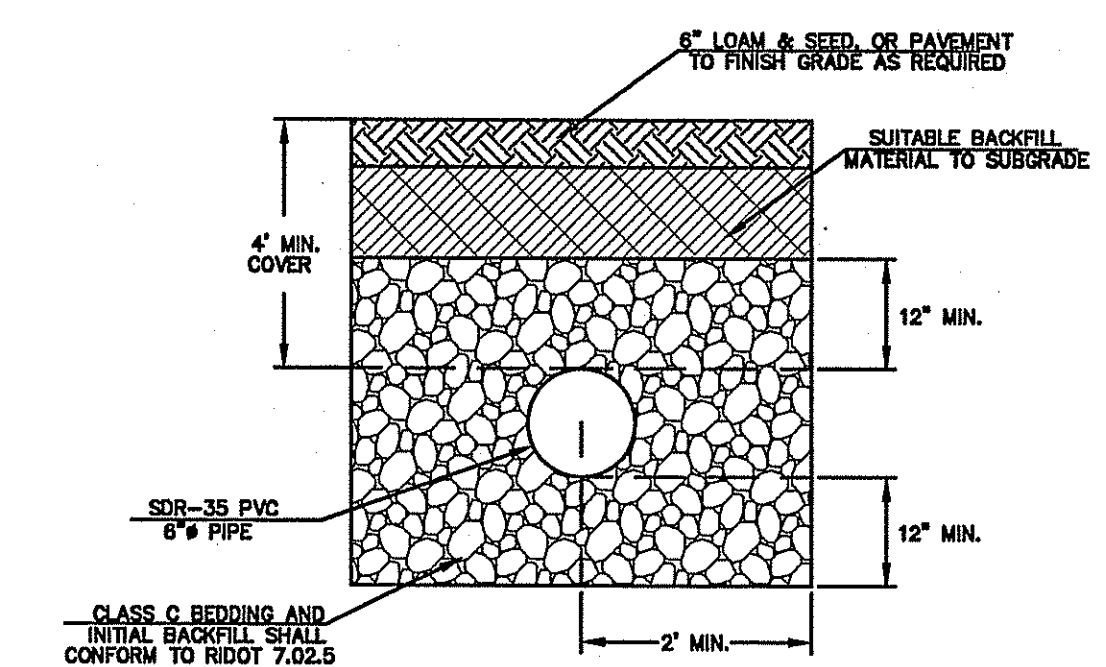
- NOTES:
1. NEW CULVERTS SHALL BE CONSTRUCTED WITH CONCRETE FLARED END SECTIONS AT BOTH ENDS.
 2. CULVERTS SHALL BE CONSTRUCTED AT EXISTING GROUND WITH A NOMINAL SLOPE OF 1.5%.
 3. ALL DISTURBED AREAS SHALL BE STABILIZED WITH STRAW AND MULCH AND SEEDED IMMEDIATELY UPON COMPLETION OF THE CONSTRUCTION.



WHEEL CLEANING BLANKET (CONSTRUCTION ENTRANCE)
 SCALE: NTS

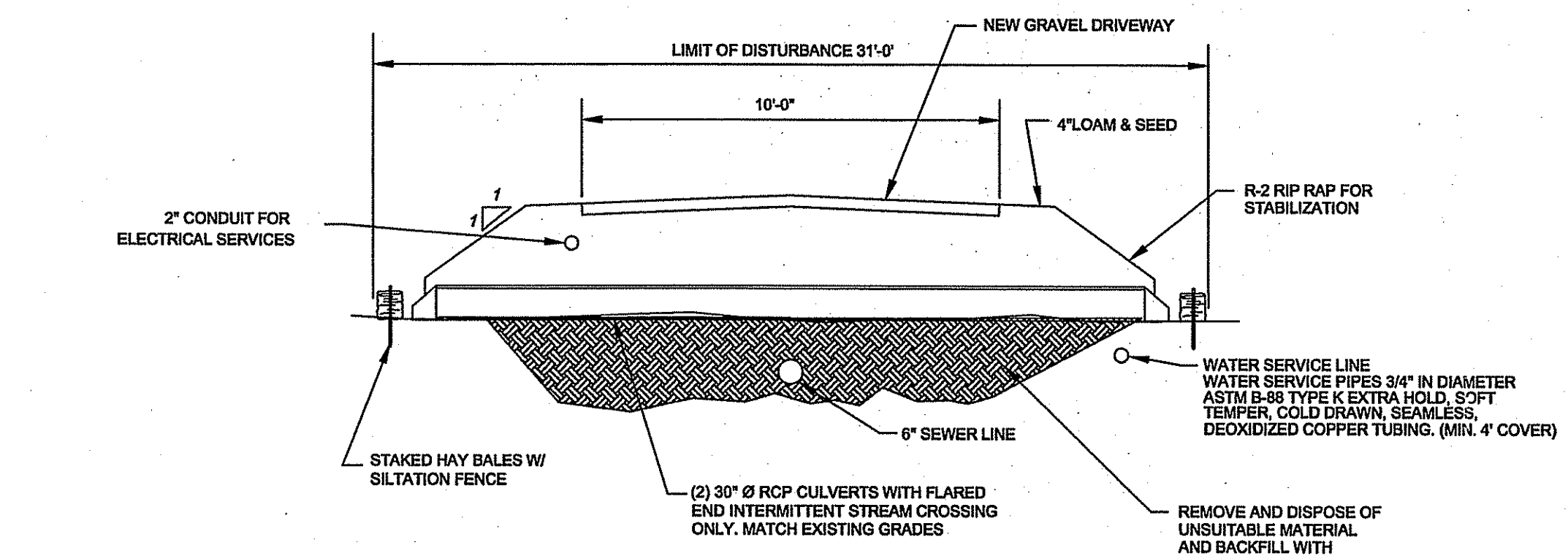


RHODE ISLAND DEPARTMENT OF TRANSPORTATION
 HEAVY-DUTY ROUND FRAME AND COVER
 SCALE: NTS

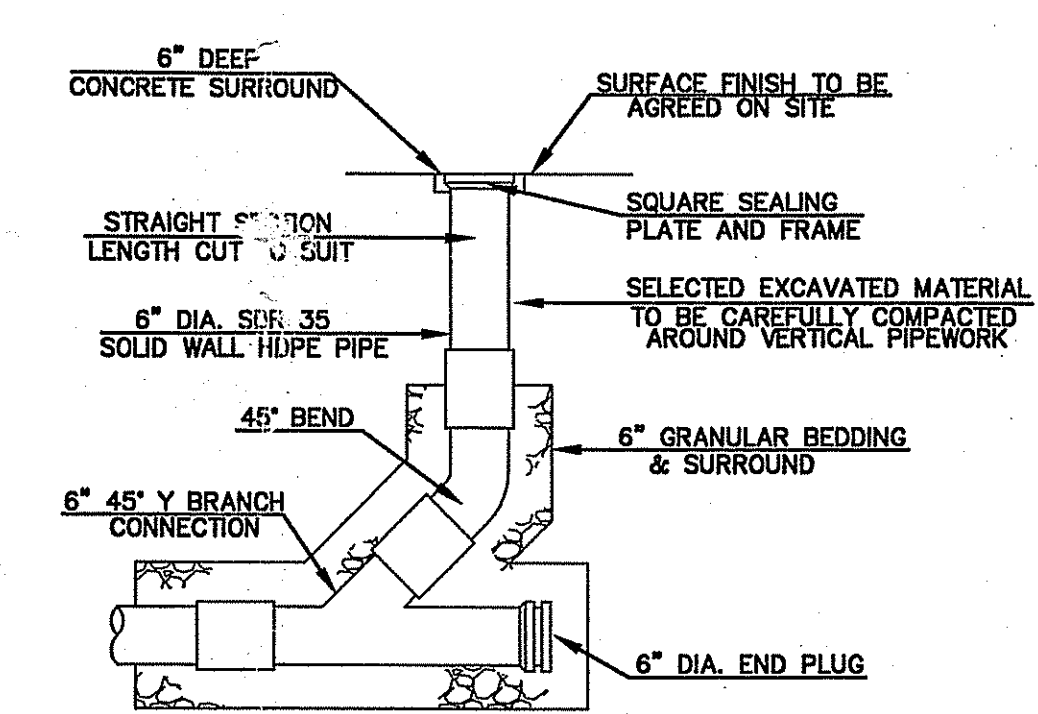


- SEWER PIPE NOTES
- 1.) UNSUITABLE MATERIAL SHALL BE EXCAVATED TO A MINIMUM DEPTH OF 12-INCHES BELOW THE DESIGN INVERT ELEVATION.
 - 2.) TRENCH PROTECTION SHALL BE REQUIRED IN ACCORDANCE WITH OSHA REGULATIONS, AND AS OTHERWISE REQUIRED TO PROTECT UTILITIES, ROADWAYS, AND ADJACENT STRUCTURES.
 - 3.) PIPES SHALL BE LAID BEGINNING AT THE DOWNSTREAM END OF THE PIPE LINE, IN ACCORDANCE WITH RIDOT SPECIFICATION 701.03.4.
 - 4.) ALL PVC SEWER PIPES SHALL BE IPEX RING-TITE DR 35, OR SIMILAR APPROVED.
 - 5.) ALL SEWER PIPE AND GASKETS SHALL CONFORM TO ASTM 3034 AND ASTM F878.
 - 6.) BACKFILL MATERIAL SHALL BE PLACED IN LAYERS NOT TO EXCEED 12" IN HEIGHT. THESE LAYERS SHALL BE COMPACTED TO 85% MAXIMUM DENSITY (AASHTO T180).

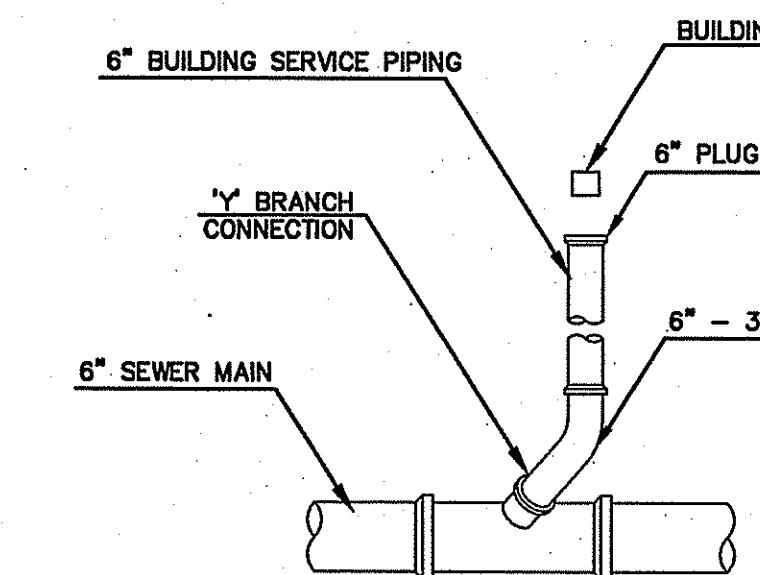
SEWER PIPE TRENCH DETAIL
 SCALE: NTS



PROPOSED DRIVEWAY SECTION AT CROSSING
 SCALE: NTS

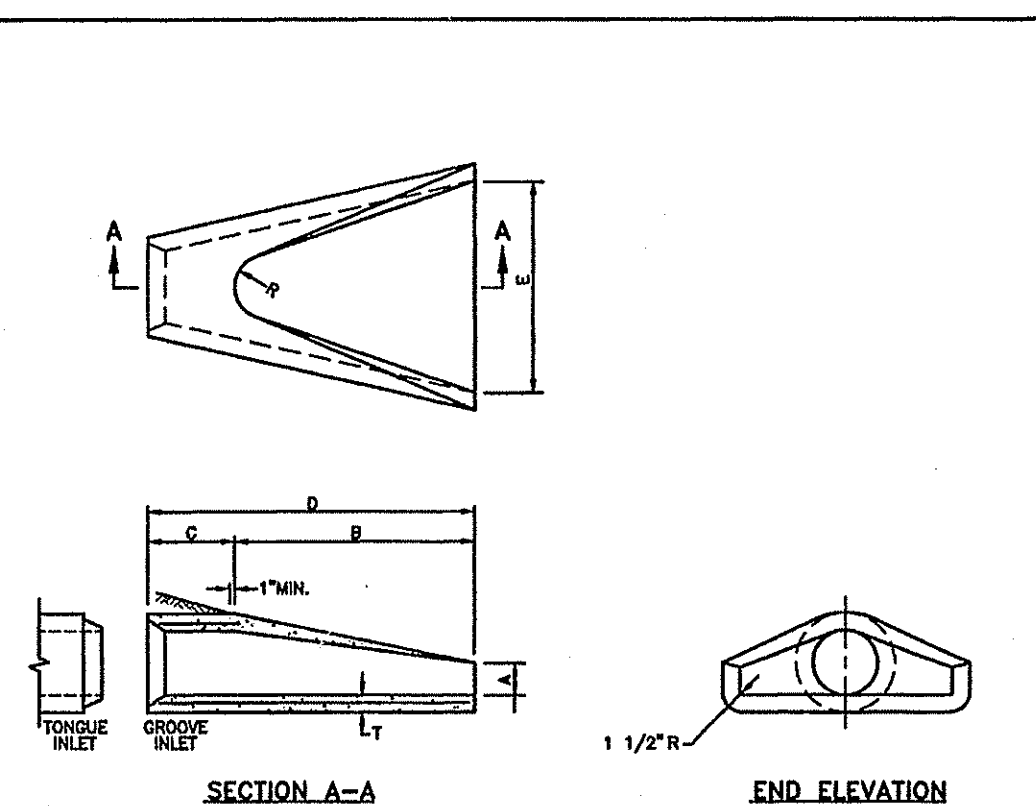


SEWER CLEANOUT
 SCALE: NTS



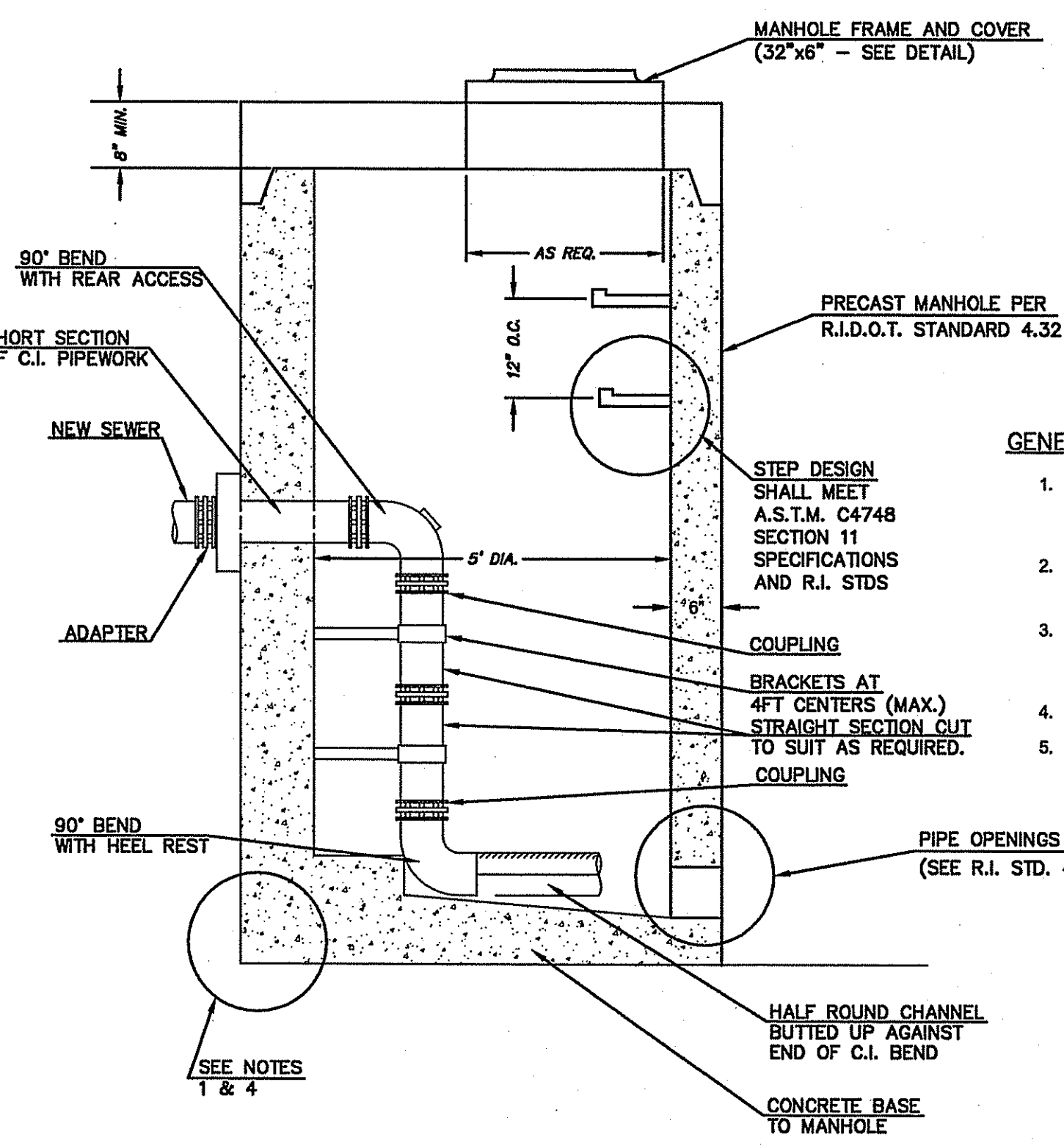
BUILDING SEWER CONNECTION
 SCALE: NTS

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
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 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL.
 APPROVED PLANS MUST BE AT 0.5" SCALE



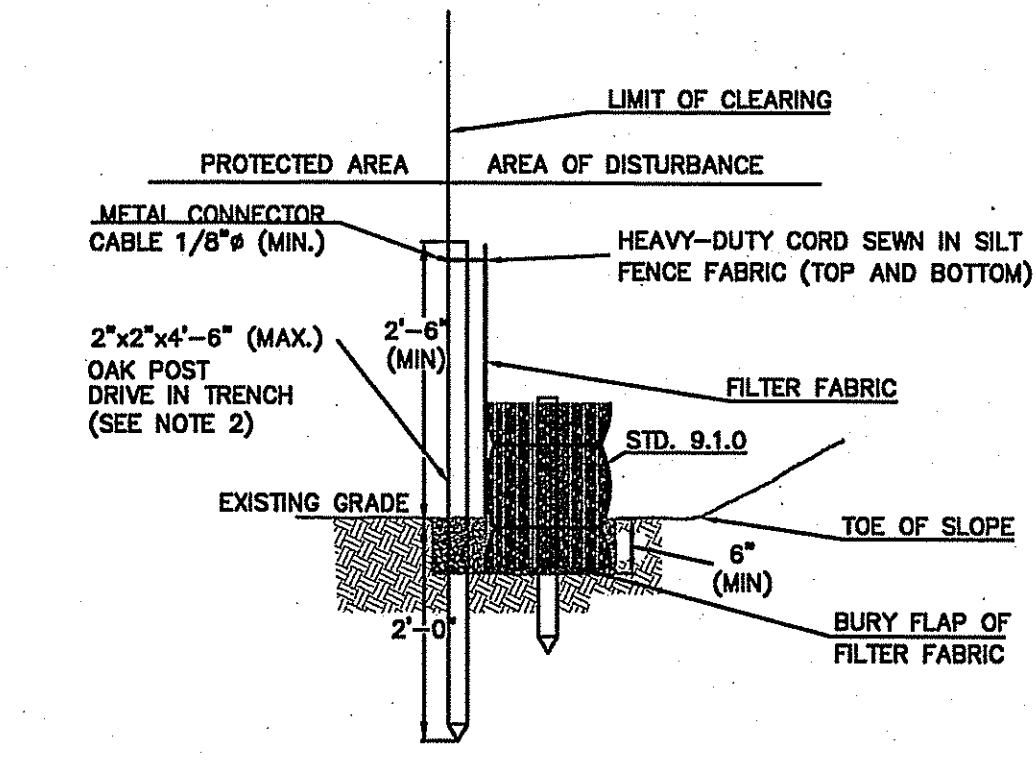
DIMENSIONS								REINFORCEMENT
DIA.	A	B	C	D	E	T	ONE REBAR PER SPACING AT CENTER OF DIA.	
1'-0"	4"	2'-0"	4'-0"	7/8"	6'-0"	2'-0"	8"	
1'-3"	6"	2'-3"	3'-10"	6'-1"	2'-0"	11"	2 1/4"	
1'-6"	6"	2'-3"	3'-10"	6'-1"	3'-0"	12"	2 1/2"	
2'-0"	8 1/2"	3'-0"	2'-8"	6'-1 1/2"	4'-0"	1'-2"	3"	
2'-0"	1'-0"	4'-0"	1'-2 3/4"	6'-1 3/4"	6'-0"	1'-3"	3 1/2"	
3'-0"	1'-3"	5'-3"	2'-10 3/4"	6'-1 3/4"	6'-0"	1'-8"	4"	
3'-0"	1'-6"	5'-3"	2'-11"	6'-2"	6'-0"	1'-10"	4 1/2"	
4'-0"	2'-0"	6'-0"	2'-2"	6'-2"	7'-0"	1'-10"	5"	
4'-0"	2'-3"	5'-5"	2'-11"	6'-4"	7'-0"	2'-0"	5 1/2"	
5'-0"	2'-6"	5'-0"	3'-3"	6'-5"	8'-0"	2'-0"	6"	

RHODE ISLAND DEPARTMENT OF TRANSPORTATION
 PRECAST CONCRETE FLARED END SECTION
 SCALE: NTS



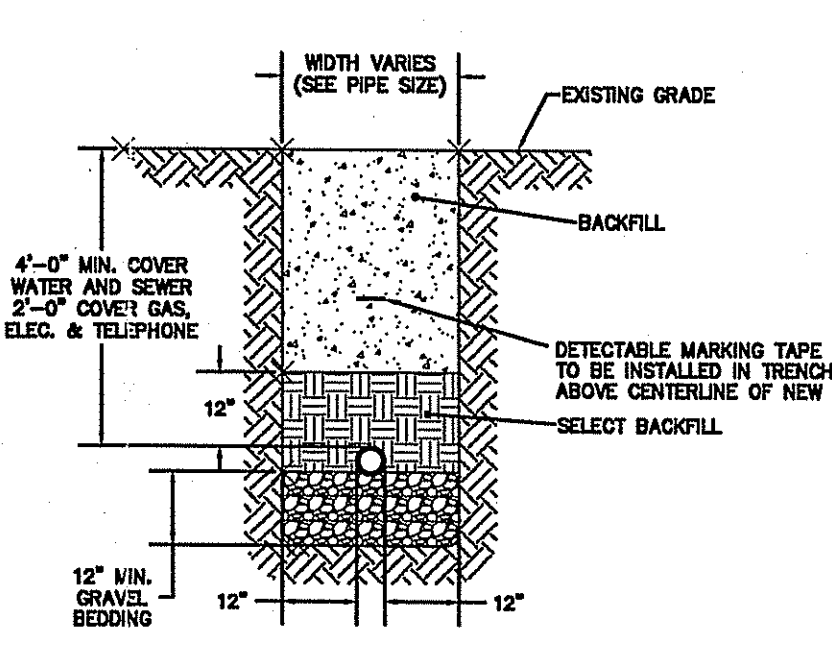
INTERNAL BACKDROP AND MANHOLE DETAIL
 SCALE: NTS

- GENERAL NOTES
1. REINFORCING STEEL CONFORMS TO LATEST A.S.T.M. A185 SPEC. 0.12 SQ. IN./LINEAL FT. AND 0.12 SQ. IN. (BOTH WAYS) BASE BOTTOM.
 2. CONCRETE COMPRESSIVE STRENGTH 4000 P.S.I. MINIMUM. TYPE II CEMENT.
 3. MANHOLE DESIGN SPECIFICATIONS CONFORM TO LATEST A.S.T.M. C478 SPEC. FOR "PRECAST REINFORCED CONCRETE MANHOLES."
 4. ONE POUR MONOLITHIC BASE SECTION.
 5. USE PRECAST RIDOT STRUCTURE WITH INTERNAL MODIFICATIONS.

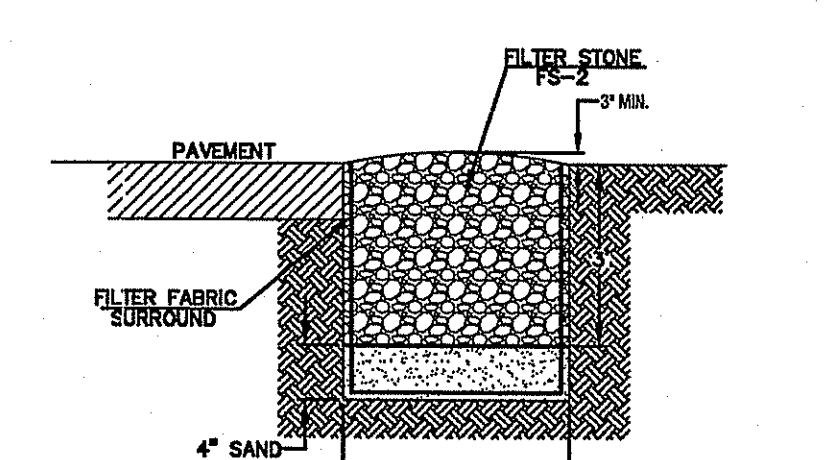


1. SHALL BE ACCORDANCE WITH SECTION 206 OF THE R.I. STANDARD SPECIFICATIONS.
2. STD. 9.1.0 IS INSTALLED "TIGHT" AGAINST SILT FENCE. THOROUGHLY COMPACT EXCAVATED SOILS BACK INTO TRENCH AFTER INSTALLATION OF EROSION CONTROL DEVICE. SILT FENCE FABRIC SHALL NOT BE SLIT. STD. 9.1.0 POST SHALL BE DRIVEN THROUGH SILT FENCE FABRIC. 2"x2"x4" (MAX.) OAK POST FOR SILT FENCE SHALL BE LOCATED 6'-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.
3. 1"x1"x4" (MIN.) POSTS ARE PERMITTED FOR PRE-FABRICATED SILT FENCE.
4. SILT FENCE AND BALED HAY SHALL BE INSTALLED BEFORE ANY GRUBBING OR EARTH WORK ACTIVITY BEGINS AND MAINTAINED UNTIL VEGETATION HAS BEEN ESTABLISHED.

BALED HAY & SILT FENCE COMBINED (RIDOT 9.3.0)
 SCALE: NTS



PIPE TRENCH DETAIL
 SCALE: NTS



GRAVEL INFILTRATION TRENCH
 SCALE: NTS

Construction Schedule

- Construction shall be in strict accordance with the RIDEM approved plans, and the conditions of the RIDEM Wetlands Permit. A copy of the stamped approved plans, and the written permit conditions shall be kept on site at all times, and shall be made available to visiting representatives of NE&C, and/or permitting authorities.
- All construction activity within jurisdictional wetland areas shall be undertaken during the low period between July 1 and October 31. The Contractor shall plan construction activities such that permanent stabilization of all impacted areas can be achieved before the latter date.
- No work shall be undertaken during, or immediately following periods of significant rainfall (>0.5in in 24 hours).
- The site shall be left in a tidy and stable condition at the end of each working day.
- Construction activities shall occur in the following sequence
 1. Install soil erosion and sediment control measures at the limits of disturbance shown on the approved plan set.
 2. Construct the site entrance and the western portion of the new driveway to the site of the new stream crossing.
 3. Install the new culverts at the crossing of the intermittent stream.
 4. Complete the driveway and further site improvements using the new crossing as access to the eastern side of site.
 5. All affected areas in the vicinity of the stream channel shall be permanently stabilized immediately upon completion of the work.

No.	Revision	Date	App.

Designed By: RSM Drawn by: DLP Checked by: N.T.S. Date: 03FEB05
 Project Title: AP 127, LOT 1 532 PARADISE AVENUE MIDDLETOWN, RI
 Client/Owner: MR. JOHN UTZ 532 PARADISE AVENUE MIDDLETOWN, RI 02842
 Issued for: PRELIMINARY DETERMINATION
 Drawing Title: DETAILS
 Drawing Number: D-2
 Sheet 4 of 4
 Project Number: 03045.0
 Survey Index: -