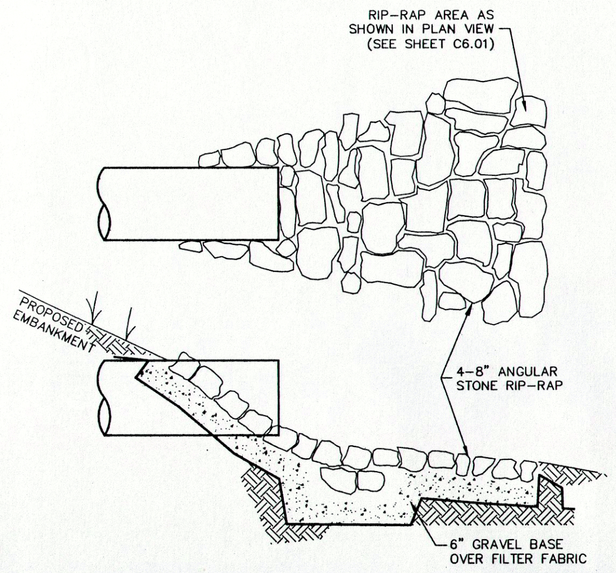
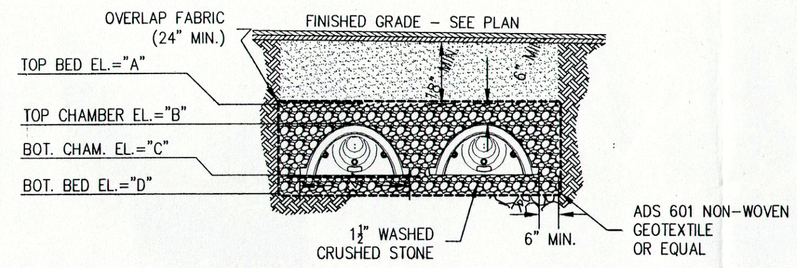


PIPE END SECTION - RIPRAP DETAIL

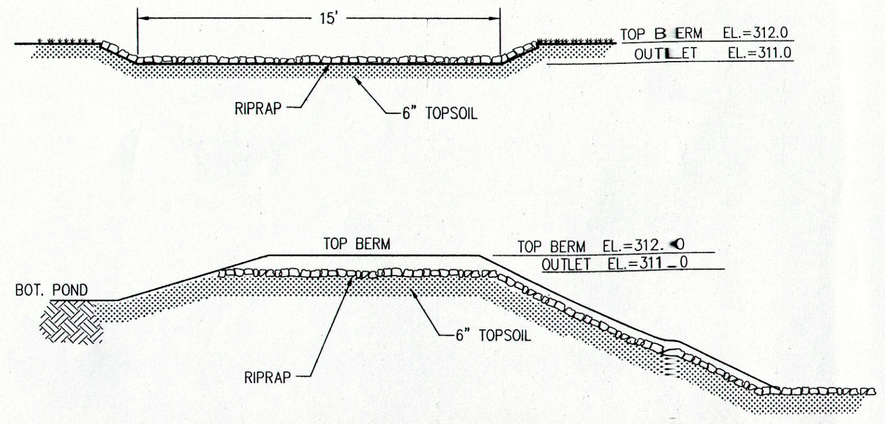
NOT TO SCALE

LOT #	A	B	C	D
2	350.0	348.8	347.0	346.5
3	353.0	351.3	349.0	349.5
4	328.0	325.3	324.0	324.5
5	332.0	330.3	329.0	328.5



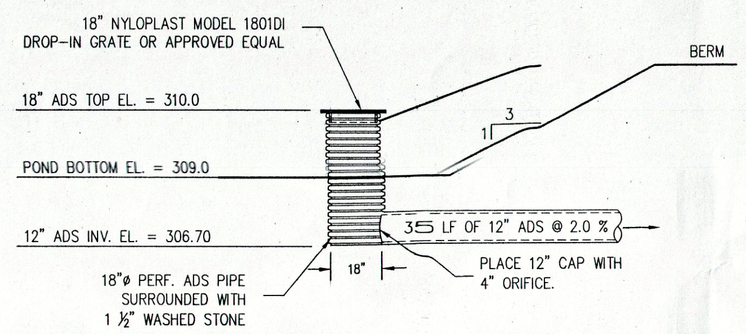
ROOFTOP INFILTRATION

NOT TO SCALE



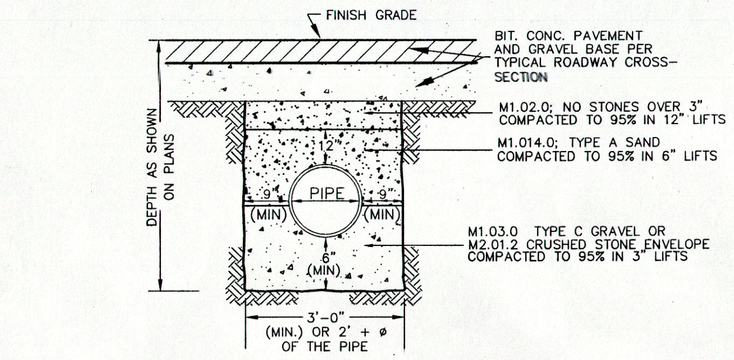
EMERGENCY SPILLWAY

NOT TO SCALE



OUTLET CONTROL STRUCTURE

NOT TO SCALE

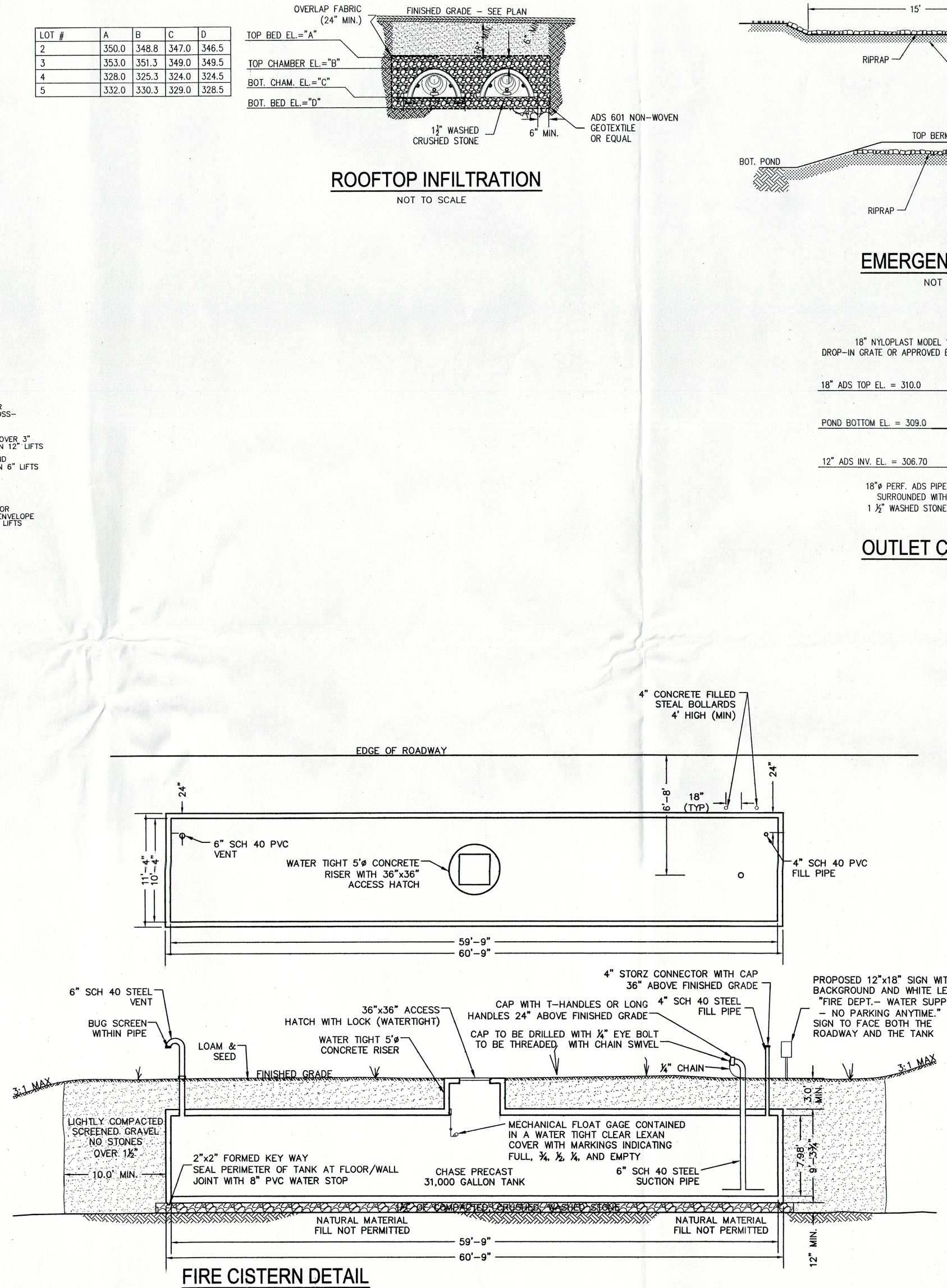


DRAIN PIPE TRENCH DETAIL

NOT TO SCALE

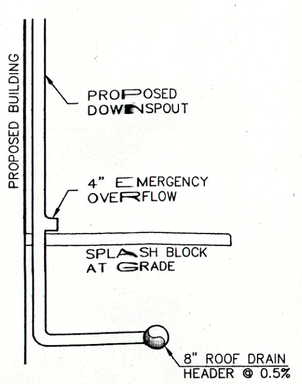
NOTES:

1. THE FIRE CISTERN SHALL BE A REINFORCED PRECAST CONCRETE STRUCTURE. CONSTRUCTION JOINTS AND OPENINGS SHALL BE SEALED WITH HYDRAULIC CEMENT OR OTHERWISE MADE WATERTIGHT. H20 LOADING REQUIRED.
2. NO HOLES SHALL BE MADE IN THE SIDES OR BOTTOM OF THE TANK; ALL CONNECTIONS SHALL GO THOUGH THE TOP OF THE TANK.
3. BOTTOM SUCTION LINE TO PUMPER CONNECTION SHALL NOT EXCEED 14' MAXIMUM.
4. ALL PIPING SHALL BE PRIMED AND PAINTED RED.
5. NO PLANTINGS OR OBSTRUCTIONS SHALL BE PERMITTED NEAR OR ON TOP OF THE TANK OR SUCTION PIPE.
6. AN INSPECTION OF THE INTERIOR OF THE TANK IS REQUIRED BY THE FIRE DEPARTMENT PRIOR TO FILLING THE TANK WITH WATER. THE INSIDE OF THE TANK MUST BE CLEAN WITH NO SAND, DIRT, STONE OR OTHER DEBRIS. IN ADDITION, BACK FILLING CANNOT OCCUR UNTIL THE TANK HAS BEEN FILLED AND INSPECTED AFTER HOLDING WATER FOR A PERIOD OF ONE WEEK.
7. THE CISTERN AND ASSOCIATED PLUMBING SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER ACCEPTANCE BY THE TOWN OF STOW.
8. OCCUPANCY PERMITS WILL BE ISSUED ONLY AFTER THE CISTERNS HAVE BEEN COMPLETED AND APPROVED BY THE FIRE CHIEF.
9. PRECAST CONCRETE SEGMENTS SHALL HAVE FACTORY INSTALLED GASKETS.



FIRE CISTERN DETAIL

NOT TO SCALE



ROOF LEADER DETAIL

NOT TO SCALE

40 0 20 40 80 160

1 in. = 40 ft.

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GREGORY S. ROY CIVIL No. 49473 REGISTERED PROFESSIONAL ENGINEER 6/18/14

PROFESSIONAL ENGINEER

STANLEY R. DILLIS No. 33045 REGISTERED LAND SURVEYOR

PROFESSIONAL LAND SURVEYOR

I CERTIFY THIS PLAN CONFORMS TO THE RULES AND REGULATIONS OF THE REGISTERS OF DEEDS OF THE COMMONWEALTH OF MASSACHUSETTS

RESERVED FOR REGISTRY USE

PROFESSIONAL LAND SURVEYOR DATE

APPROVAL REQUIRED UNDER THE SUBDIVISION CONTROL LAW
DATE APPROVED: _____

_____)
_____)
_____)
_____) BEING A MAJORITY OF THE STOW PLANNING BOARD
_____)
_____)
_____)

DATE ENDORSED: _____

APPROVED SUBJECT TO CONDITIONS SET FORTH IN A COVENANT EXECUTED BY _____ DATED _____ AND TO BE RECORDED HEREWITH

NO BUILDING OR STRUCTURE SHALL BE BUILT OR PLACED ON ANY LOT WITHOUT A PERMIT FROM THE BOARD OF HEALTH

I, _____, CLERK OF THE TOWN OF STOW HEREBY CERTIFY THAT THE NOTICE OF THE APPROVAL OF THIS PLAN BY THE PLANNING BOARD HAS BEEN RECEIVED AND RECORDED BY THIS OFFICE AND NO APPEAL WAS RECEIVED DURING THE TWENTY (20) DAYS NEXT AFTER RECEIPT AND RECORDING OF SAID NOTICE.

STOW TOWN CLERK DATE

ZONING CLASSIFICATION: **RESIDENTIAL (RES)**

HAMMERHEAD LOTS:

FRONTAGE	= 50'	SETBACKS: FRONT	= 50'
LOT AREA	= 180,000 SQ. FT.	SIDE	= 45'
OPEN SPACE (MIN.)	= 10%	REAR	= 40'
FLOOR AREA RATIO	= NR	LOT SHAPE (MIN.)	= 0.25

CONVENTIONAL LOTS:

FRONTAGE	= 200'	SETBACKS: FRONT	= 30'
LOT AREA	= 65,340 SQ. FT.	SIDE	= 25'
OPEN SPACE (MIN.)	= 10%	REAR	= 40'
FLOOR AREA RATIO	= NR	LOT SHAPE (MIN.)	= 0.40

OWNER: **ALICE A. CUSHING**
P.O. BOX 418
STOW, MA 01775

APPLICANT: **ALICE A. CUSHING**
P.O. BOX 418
STOW, MA 01775

BOOK/PAGE:
BOOK 25093, PAGE 356

MAP/PARCEL:
MAP R-1, PARCEL 27

SPRIL HILL ESTATES
DEFINITIVE SUBDIVISION DEVELOPMENT
STOW, MASSACHUSETTS
DETAIL SHEET

NO.	DATE	DESCRIPTION	BY

PREPARED BY:

DUCHARME & DILLIS
Civil Design Group, Inc.
CIVIL ENGINEERS• LAND SURVEYORS• WETLAND CONSULTANTS
1092 MAIN STREET, P.O. BOX 428
BOLTON, MASSACHUSETTS 01740
PHONE: (978) 779-6091 FAX: (978) 779-0260
www.DucharmeandDillis.com

DESIGN BY:	DRAWN BY:	CHECKED BY:	SHEET NO.
GSR	GSR	GSR/SRD	8 OF 9
DATE: 6/18/14	**JOB NUMBER:** 4812	**DRAWING NO.** 4812-DET	