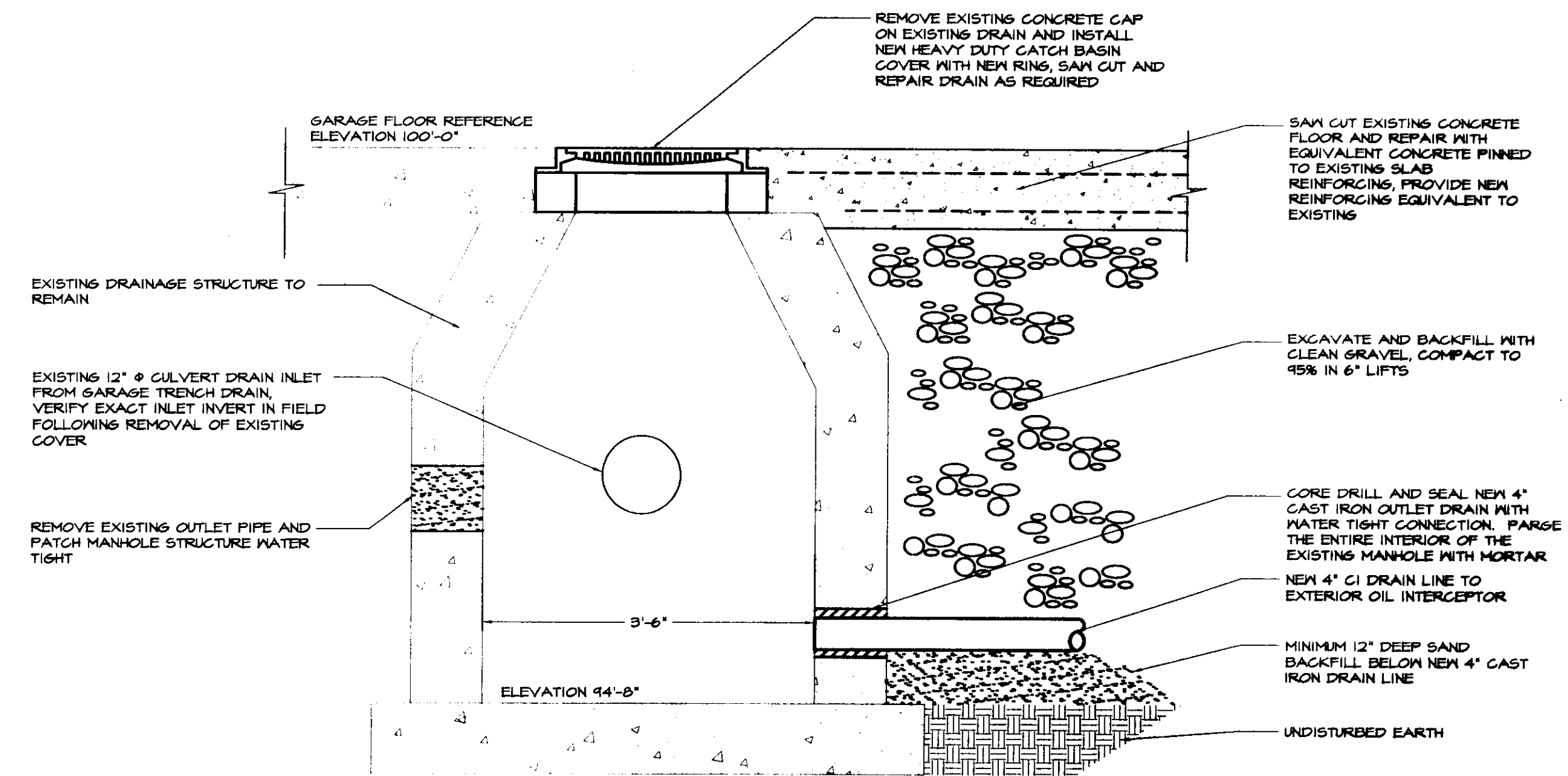


**BUILDING WATER ENTRANCE DETAIL**  
N.T.S.



**GARAGE DRAIN MODIFICATION DETAIL**  
NOT TO SCALE

**PLUMBING MATERIAL SPECIFICATION**

**CODES AND STANDARDS:**

COMPLY WITH THE LATEST ADOPTED EDITION OF THE STATE OF VERMONT LP GAS CODE, NATIONAL BOCA PLUMBING CODE INCORPORATING THE 1990 STATE OF VERMONT PLUMBING RULES AND ALL LOCAL CODES AND REGULATIONS.

**SUBMITTALS:**

SUBMIT ALL EQUIPMENT, PIPING, AND ACCESSORIES PRIOR TO CONSTRUCTION. INSTALLATION OF UNAPPROVED MATERIALS SHALL BE AT THE RISK OF THE CONTRACTOR.

**PIPE:**

ALL SOIL, WASTE, VENT AND ROOF DRAINAGE PIPING SHALL BE CAST IRON NO-HUB PIPE WITH NO-HUB, HEAVY DUTY 4 BAND CLAMPS. TEST ALL NEW DRAINAGE AND ROOF LEADER PIPING WITH 5 PSI FOR A MINIMUM OF 4 HOURS AIR PRIOR TO PLACING IN SERVICE.

ALL NEW DOMESTIC WATER PIPING SHALL BE TYPE L COPPER WITH SOLDER TYPE FITTINGS. USE "SILVERBRUTE" SOLDER WITH SUITABLE FLUX FOR ALL JOINTS. TEST ALL NEW WATER PIPING AT 100 PSI FOR MINIMUM OF 4 HOURS.

**VALVES:**

BALL VALVES: MATTS MODEL B-6000-SS, BRONZE BODY, 150 WSP/600YDS, STAINLESS STEEL BALL, SWEAT OR SOLDER ENDS.

CHECK VALVES: MATTS CLASS 500, WYE PATTERN THREADED CONNECTIONS.

DRAIN VALVES: MATTS MODEL B-6000-SS BRONZE BALL VALVE WITH HOSE CONNECTION AND CAP WITH CHAIN.

MAIN GATE VALVE: MATTS MODEL 40B-OSY-RN EPOXY COATED, OSY-UL7M LISTED, ANSI 125-200 WOG.

**DOMESTIC WATER SPECIALTIES:**

WATER METER: RELOCATE AND RE-INSTALL EXISTING METER.

PRESSURE REDUCING VALVE: MATTS SERIES US, SIZE: 1 1/4"

BACKFLOW PREVENTER: MATTS SERIES 004GTS, SIZE: 1 1/2"

PRESSURE GAUGE:

**DRAINAGE SPECIALTIES:**

FLOOR CLEANOUTS: ZURN MODEL Z-1400 LEVEL TROL CLEANOUT WITH DGGI BODY AND BRONZE TOP.

LINE CLEANOUTS: INSTALL THREADED BRASS PLUG WITH RAISED HEX PLUG.

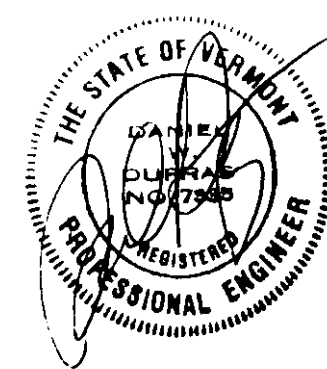
**PIPE INSULATION:**

ALL ROOF DRAINAGE PIPING AND DOMESTIC WATER PIPING LOCATED ABOVE FINISHED FLOORS SHALL BE INSULATED WITH 1/2" THICK "OWENS-CORNING" FIBERGLASS 25 WITH FLAME-SAFE ALL-SERVICE JACKET. APPLY IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS, USING SELF-SEALING LONGITUDINAL LAP JOINTS. TAPE ON ALL BUTT STRIPS. USE PVC PRE-MOLDED COVERS FOR ALL FITTINGS AND VALVES. ALL EXPOSED VERTICAL ROOF LEADER PIPING SHALL BE COVERED WITH AN ADDITIONAL HIGH IMPACT 10 MIL WHITE PVC JACKETING.

**PLUMBING LEGEND AND ABBREVIATIONS**

-----	EXISTING PIPING TO BE REMOVED (ERL-EXISTING ROOF LEADER PIPING)	N	CHECK VALVE
----	DOMESTIC COLD WATER PIPING	M	WATER METER
---	EXISTING DOMESTIC COLD WATER	CO	CLEANOUT
---	SANITARY WASTE AND SOIL PIPING	CO	SIDE CLEANOUT
---	SANITARY VENT PIPING	E	PIPE CAP
---	EXISTING SANITARY PIPING	CO	FLOOR CLEANOUT
---	EXISTING VENT PIPING	R.D.	ROOF DRAIN, E=EXISTING
---	RAIN LEADER PIPING	P.C.	PLUMBING CONTRACTOR
---	EXISTING RAIN LEADER PIPING	PRV	PRESSURE REDUCING VALVE
O	PIPE RISER	V.T.R.	VENT THROUGH ROOF
G	PIPE DROP	N.I.C.	NOT IN CONTRACT
+	PIPE UNION	G.C.	GENERAL CONTRACTOR
⊗	GATE VALVE	⊗	CONNECT TO EXISTING
⊗	BALL VALVE	U.O.N.	UNLESS OTHERWISE NOTED
N	BACKFLOW PREVENTER, RPZ-REDUCED PRESSURE ZONE		
⊙	EXISTING FIXTURE TO REMAIN		

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NO.	ISSUED FOR	DATE
1	BIDDING AND CONSTRUCTION	SEPT 1, 2003



HEATING, VENTILATION, & AIR CONDITIONING,  
PLUMBING, FIRE PROTECTION, & ELECTRICAL

CHARLES F. LANE, P.E.  
DANIEL W. DUPRAS, P.E.

51 KILLINGTON AVENUE,  
RUTLAND, VERMONT 05701  
TELEPHONE: (802)747-3346  
FAX/MODEM: (802)747-3356

PLUMBING DETAILS AND SPECIFICATIONS			
BENNINGTON AOT GARAGE DRAINAGE AND UTILITY IMPROVEMENTS			
APPR:	DWD	DRAWN:	DWD/KPC
SCALE:	AS NOTED	PROJ. NO.	0312-01

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