

State of Vermont
 Department of Buildings and General Services
BENNINGTON A.O.T. GARAGE
 DRAINAGE AND UTILITY IMPROVEMENTS
 Bennington, Vermont

AGENCY OF ADMINISTRATION
 DEPT. OF BUILDINGS & GENERAL SERVICES
 2 GOVERNOR AIKEN AVENUE
 MONTPELIER, VERMONT 05633-5801
 THOMAS W. TORTI, COMMISSIONER



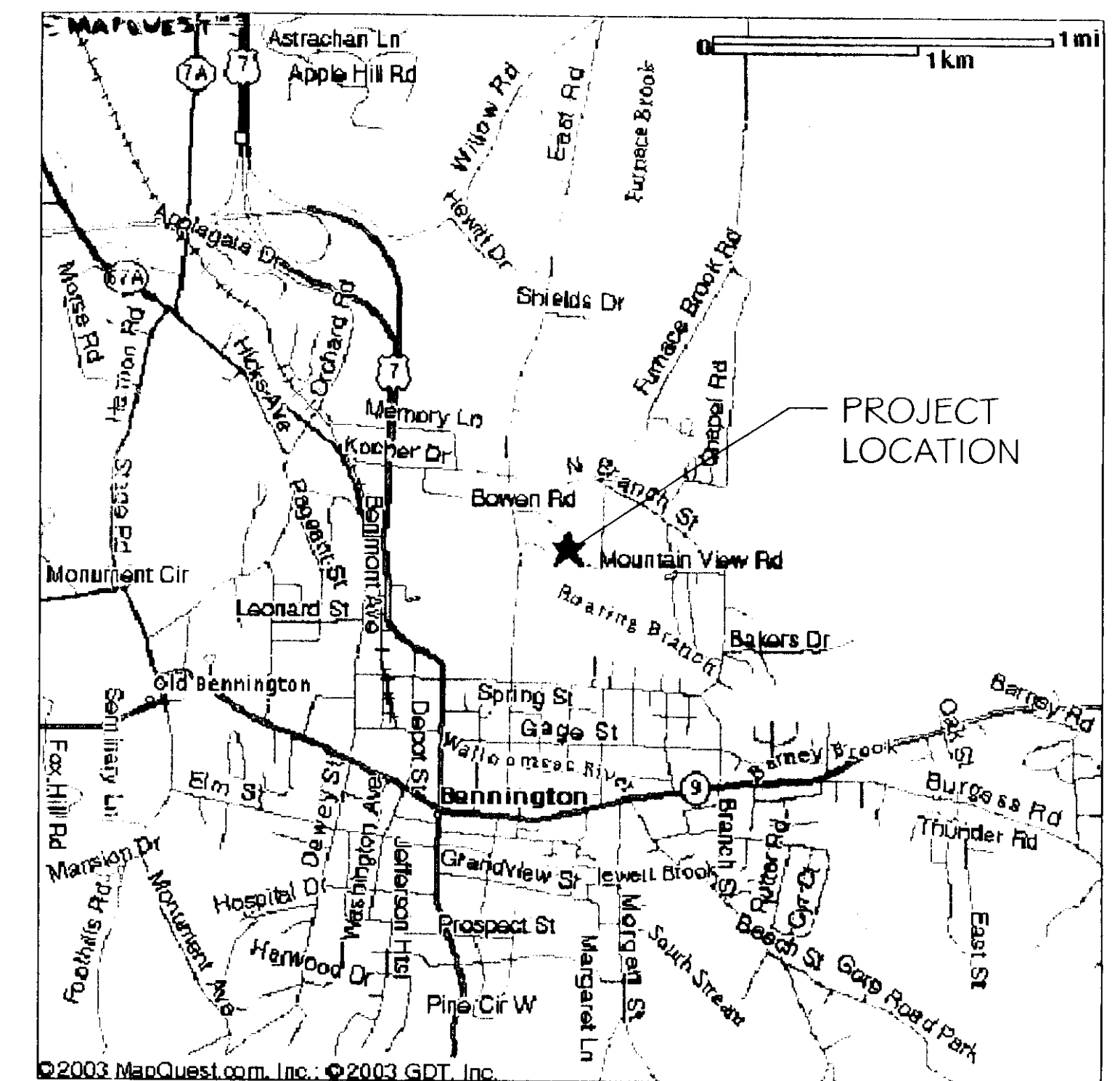
James H. Douglas
 Governor

June, 2003

INDEX OF SHEETS

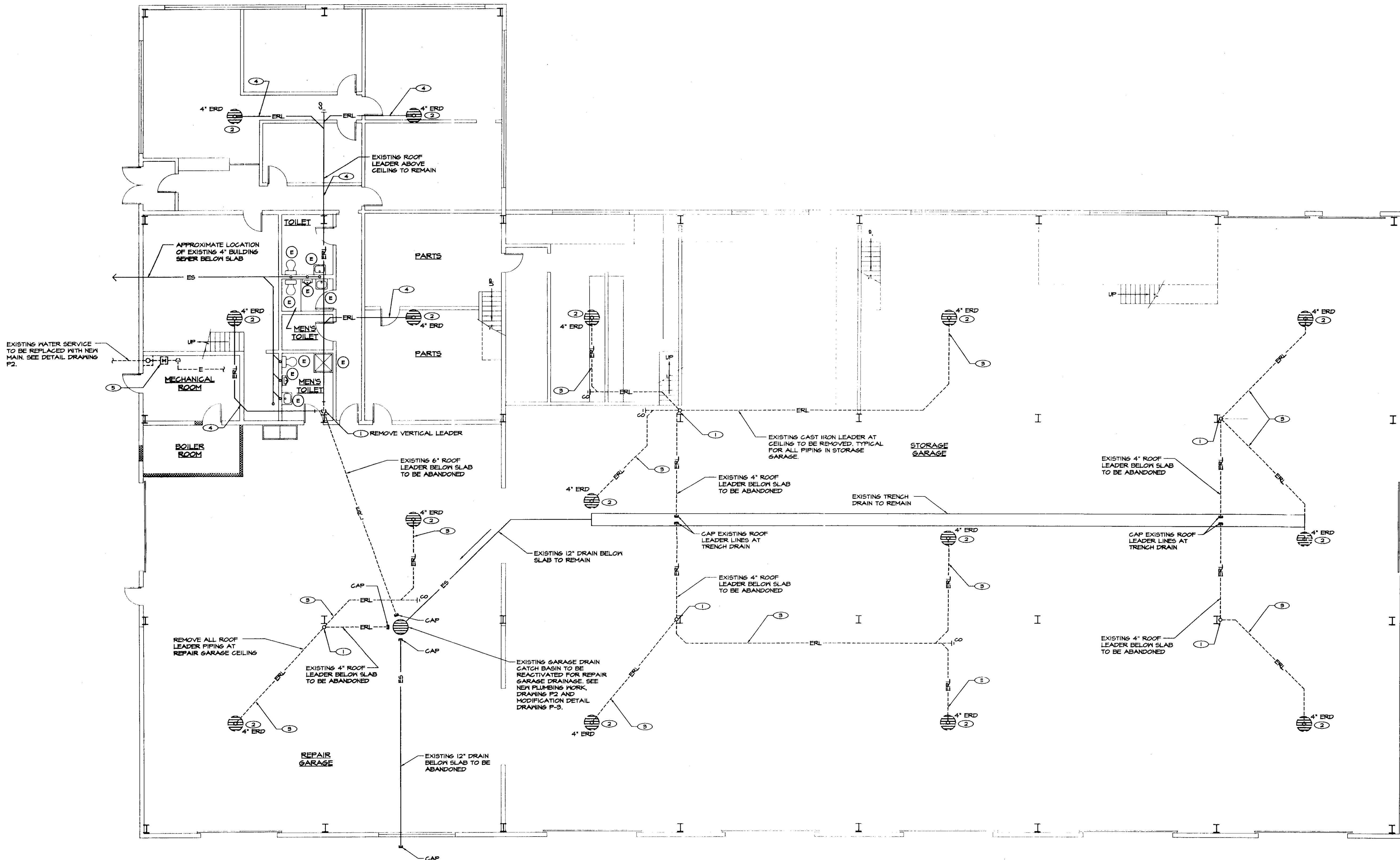
- P1 FIRST FLOOR PLAN - PLUMBING DEMOLITION
- P2 FIRST FLOOR PLAN - NEW PLUMBING WORK
- P3 PLUMBING DETAILS AND SPECIFICATIONS

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 51 KILLINGTON AVENUE
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PROJECT LOCATION MAP

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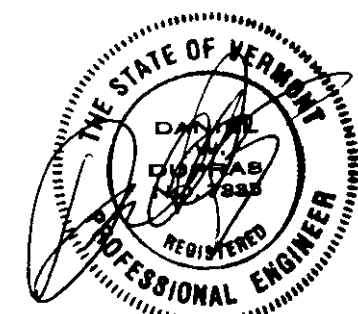
FIRST FLOOR PLAN - PLUMBING DEMOLITION
SCALE: 1/8"=1'-0"

DEMOLITION NOTES: (APPLY TO THIS DRAWING ONLY)

- ① CAP EXISTING 4" ROOF LEADER AT FLOOR.
- ② EXISTING ROOF DRAIN TO REMAIN.
- ③ REMOVE EXISTING ROOF LEADER PIPING.
- ④ EXISTING ROOF LEADER TO REMAIN.
- ⑤ REMOVE EXISTING WATER SERVICE VALVES, METER, AND PIPING AS REQUIRED TO INSTALL NEW WATER SERVICE. SEE DRAWING P2 FOR NEW WORK REQUIRED.

GENERAL NOTE:

THE EXISTING CONDITIONS INDICATED ON THIS DRAWING ARE BASED ON FIELD OBSERVATIONS WHERE PIPING AND EQUIPMENT WERE ACCESSIBLE TO VIEW. WHERE LOCATED IN INACCESSIBLE LOCATIONS, THE LAYOUT HAS BASED ON STATE BUILDING DRAWINGS DATED MAY 12, 1965. THE CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION.



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

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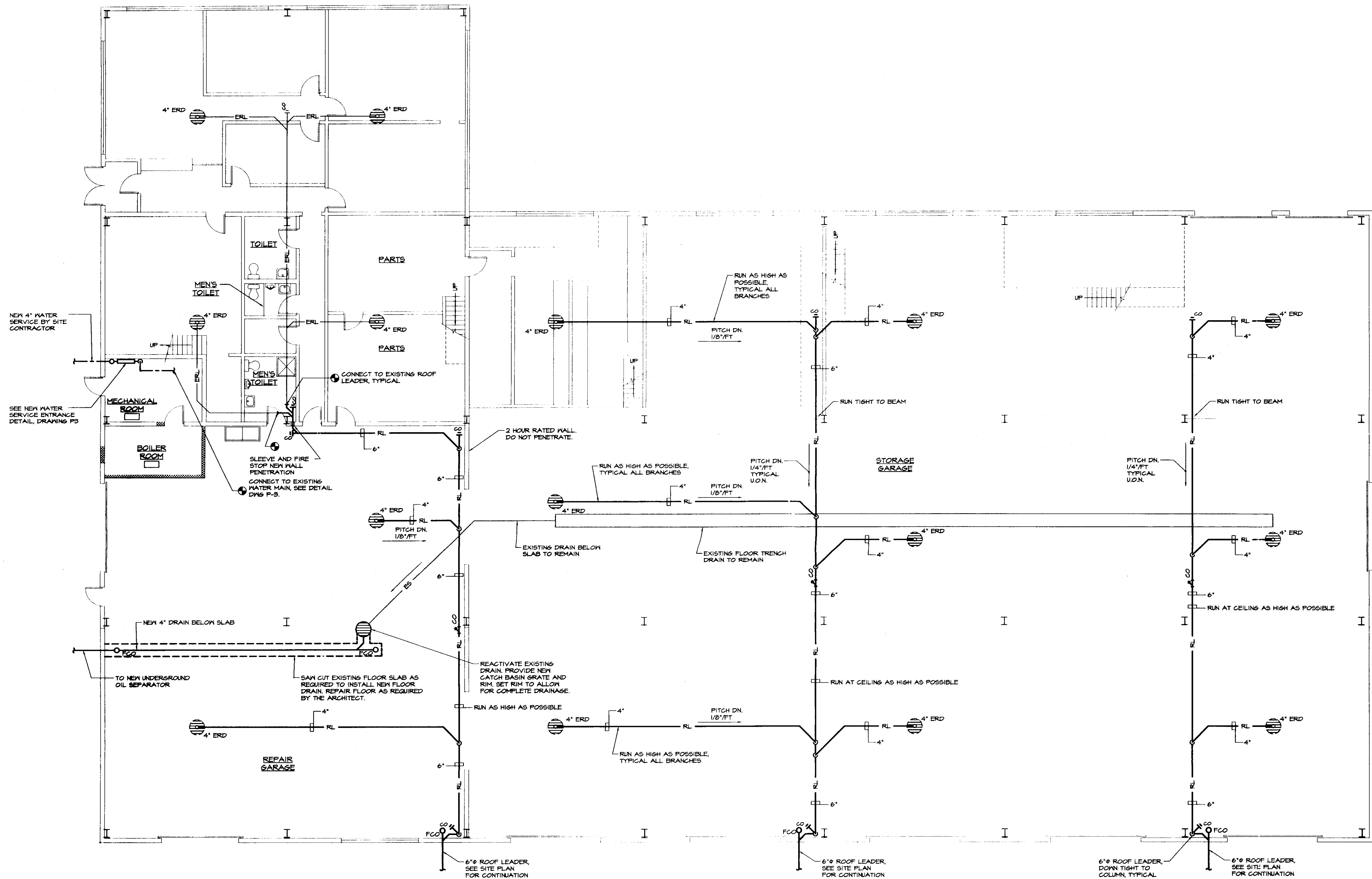
HEATING, VENTILATION, & AIR CONDITIONING,
PLUMBING, FIRE PROTECTION, & ELECTRICAL

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FIRST FLOOR PLAN - PLUMBING DEMOLITION		P 1
BENNINGTON AOT GARAGE DRAINAGE AND UTILITY IMPROVEMENTS		
APPR:	DVD	DRAWN: DVD/KPC
SCALE:	AS NOTED	PROJ. NO. 0312-01

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FIRST FLOOR PLAN - NEW PLUMBING WORK
SCALE: 1/8"=1'-0"

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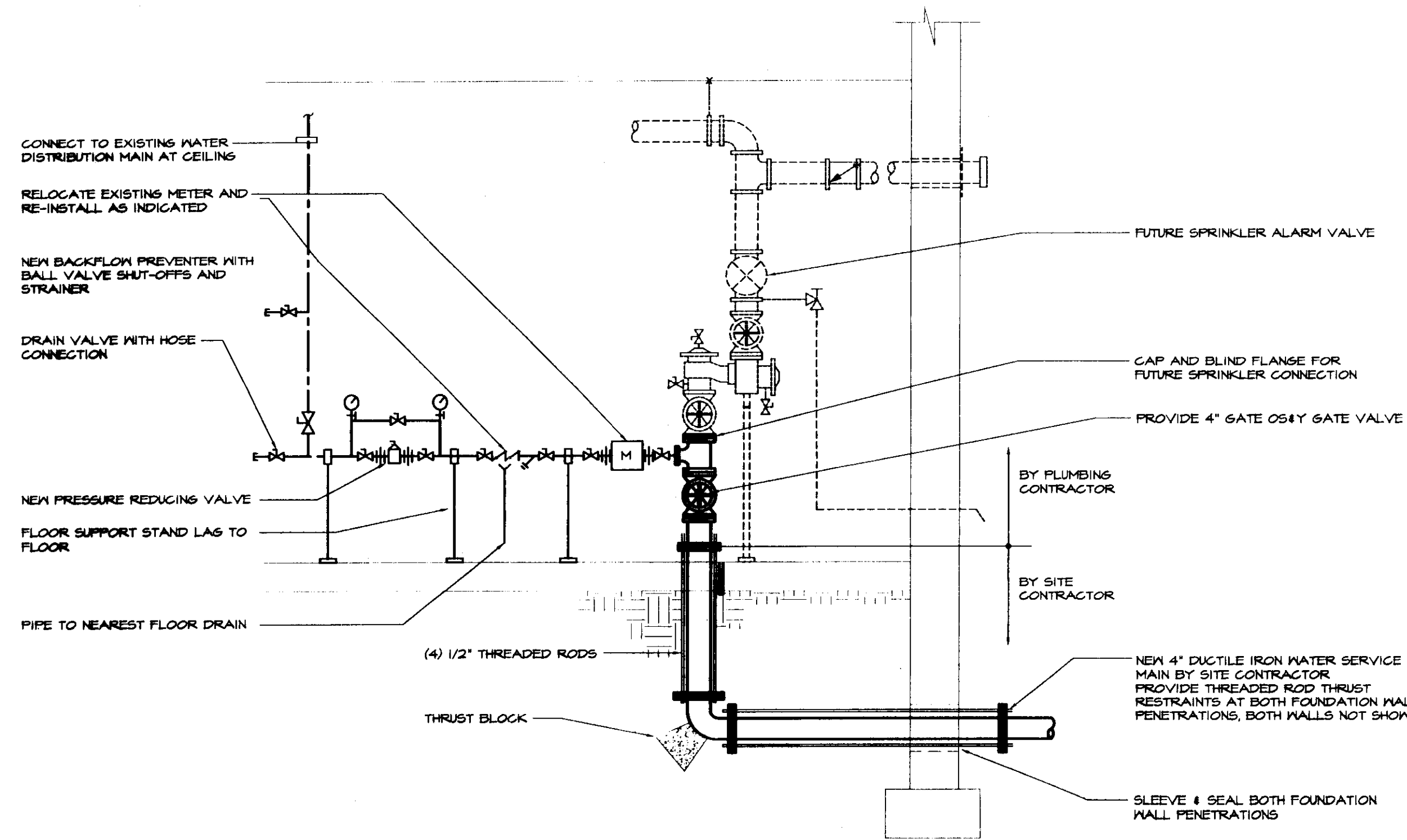


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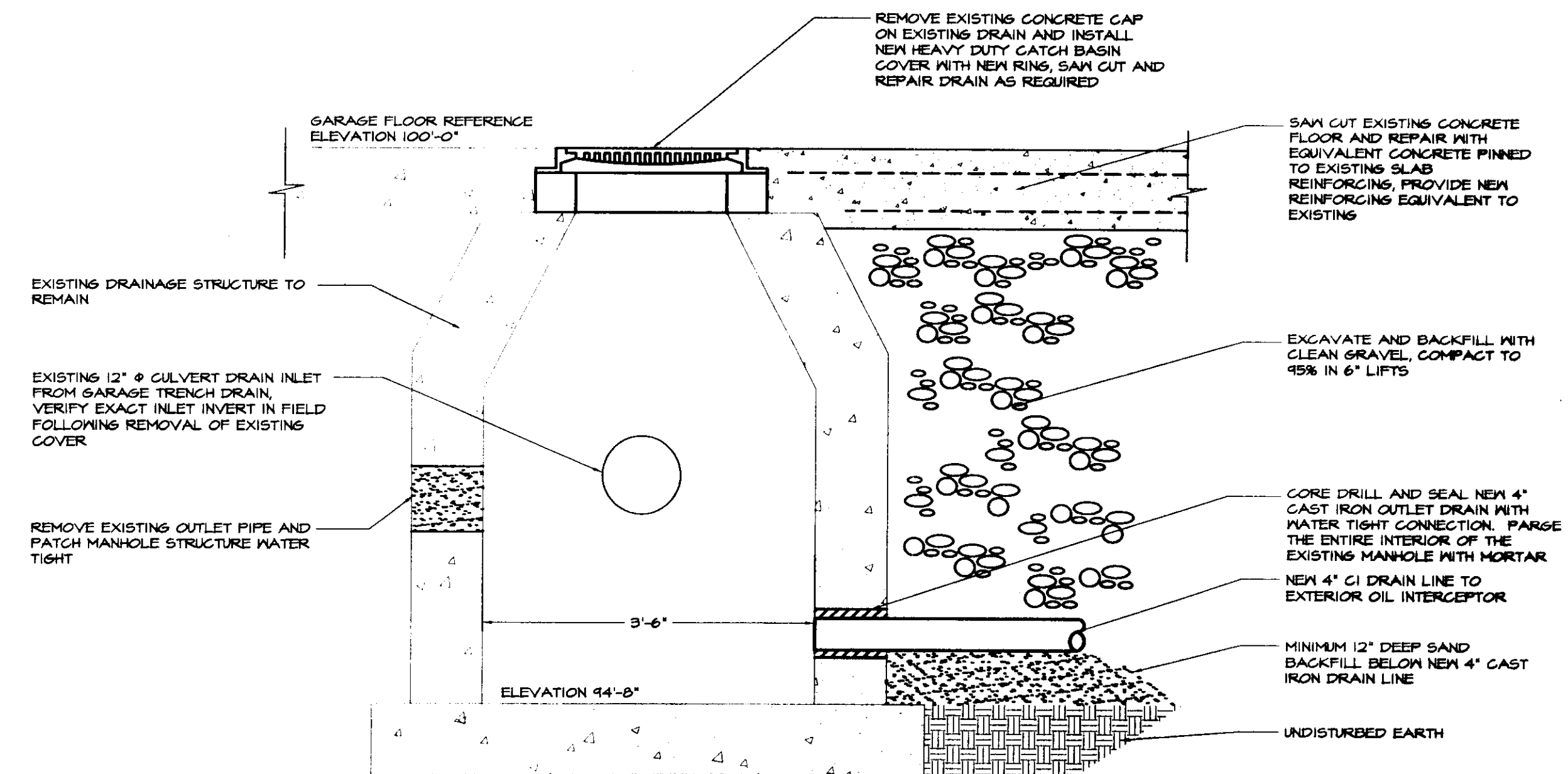
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FIRST FLOOR PLAN - NEW PLUMBING WORK				P 2
BENNINGTON AOT GARAGE DRAINAGE AND UTILITY IMPROVEMENTS				
APPR:	DND	DRAWN:	DND/KPG	SCALE: AS NOTED
PROJ. NO.			0312-01	



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 408-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 DCGI BODY AND BRONZE TOP.

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

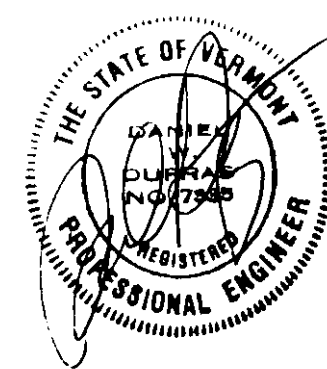
PIPE INSULATION:

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

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P 3