

Extension
SERVICE 34168

NEW BEDFORD WATER WORKS
APPLICATION FOR SERVICE AND METER
NEW BEDFORD June 3rd, 2022

exp. June 3rd, 2023

I HEREBY ACKNOWLEDGE the receipt of a copy of the Regulations prescribed in the Ordinance of the City, for the use of Water, and I request that the water may be furnished through a

8 inch inch D.I. water main meter at along Beverly Street, east of
Cashnet Ave., including new fire hydrant at terminus of water
main extension.

at such rates as may from time to time be established by the City.

I hereby agree to pay promptly the bill for the Service pipe laid down for my premises, and to pay all dues for water, and I agree to conform to the said Regulations and to all provisions of the Water Ordinances, until written notice is given by me or my agent to cut off the supply.

P. 134
~~2.37~~

Philip Rose

TELEPHONE 508 889-0175 28 Bow Dr Ashland MA 02743

Service laid 160 ft extension of main Size and kind of pipe 8" DI, connecting to existing 8" D.I. stub for Beverly Street
From Contractor RO CANESSA St.

Turned on _____ Meter Set _____

Reading _____ Location _____

Building rates _____ Paid _____

Cost of Service \$660 165 ft long 45 ft vll 109 Paid _____

31-727

+ 450 = \$1,110

MISCELLANEOUS PAYMENT RECPT#: 3921514
City of New Bedford
Office of the Treasurer
133 William Street
New Bedford, MA 02740

DATE: 06/06/22 TIME: 09:31:41
CLERK: a450mb DEPT: WATER
CUSTOMER#: 0

COMMENT:

CHG: DPIEXT DPI WATER MAIN 1110.00

REVENUE:

1 55006000 439020 1110.00
OTH -Departmental Fees
EXTENSION 34168

CASH:

TW05 101009 1110.00
WEB5537

AMOUNT PAID: 1110.00

PAID BY: PHILIP M ROSE
PAYMENT METH: CHECK
UB109

REFERENCE:

AMT TENDERED: 1110.00
AMT APPLIED: 1110.00
CHANGE: .00

MISCELLANEOUS PAYMENT RECPT#: 3921514

City of New Bedford
Office of the Treasurer
133 William Street
New Bedford, MA 02740

DATE: 06/06/22

TIME: 09:31:41

CLERK: a450mb

DEPT: WATER

CUSTOMER#: 0

COMMENT:

CHG: DPIEXT DPI WATER MAIN 1110.00

REVENUE:

1 55006000 439020 1110.00

OTH -Departmental Fees
EXTENSION 34168

CASH:

TWO5 101009 1110.00
WEB5537

AMOUNT PAID: 1110.00

PAID BY: PHILIP M ROSE

PAYMENT METH: CHECK

UB109

REFERENCE:

AMT TENDERED: 1110.00

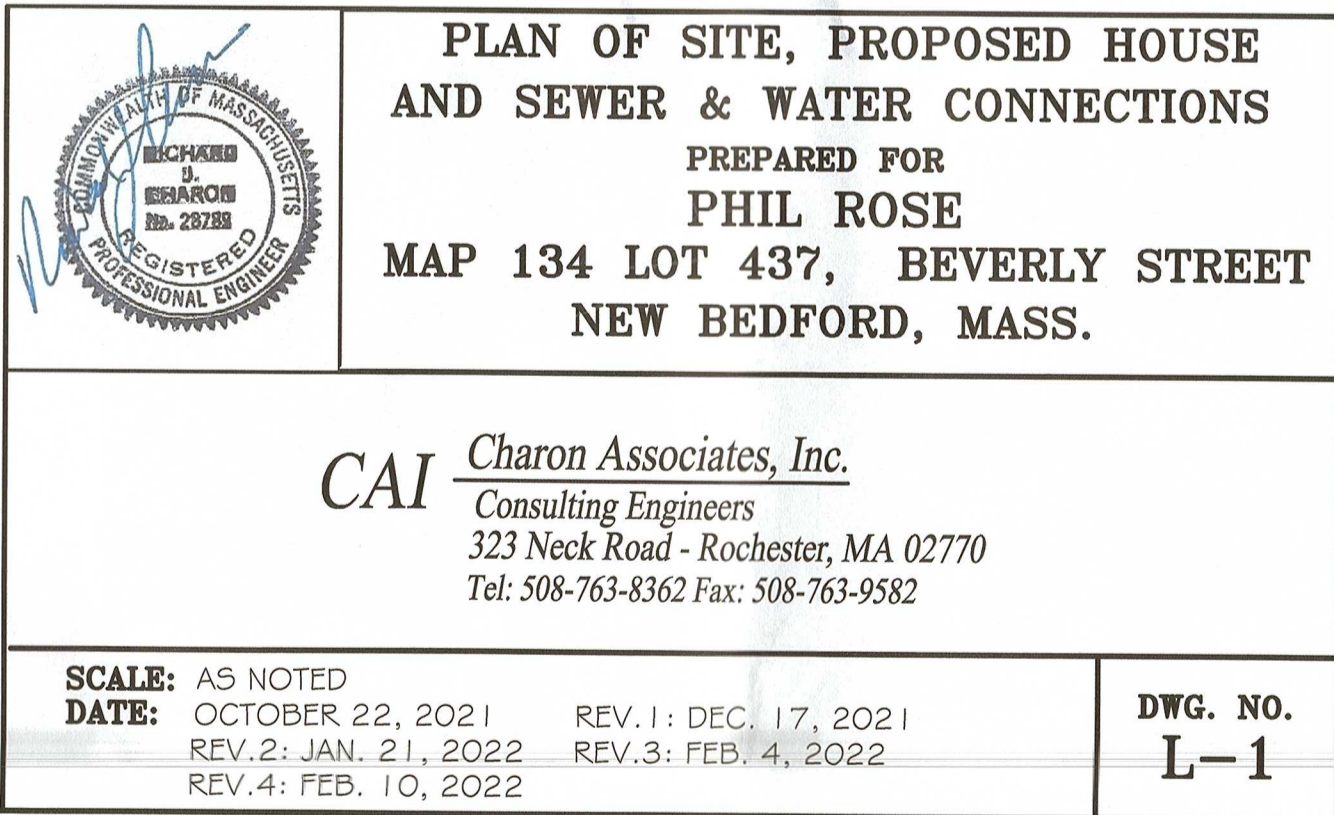
AMT APPLIED: 1110.00

CHANGE: .00



Acusnet Ave

6-29-22.
6-28-25



SCOPE OF WORK:

THE CONTRACTOR SHALL FURNISH ALL MATERIALS AND PERFORM ALL WORK AND SERVICES NECESSARY FOR THE COMPLETE INSTALLATION OF THE WATER DISTRIBUTION SYSTEM, I.E. INSTALLATION OF ALL PIPES, GATE VALVES, FITTINGS, HYDRANTS, WATER SERVICES, THRUST BLOCKS AND FITTING SUPPORTS, JOINT RESTRAINTS, ETC. INCLUDING ALL RELATED WORK SUCH AS EXCAVATION, BACKFILLING, COMPACTION, RE-SURFACING, TESTING AND DISINFECTION.

SPECIFICATIONS FOR WATER:

SECTION A: MATERIALS:

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS AS APPROVED BY THE NEW BEDFORD WATER DEPARTMENT AND CITY STANDARDS. ALL WORK SHALL BE INSPECTED BY THE WATER DEPARTMENT AND TESTED IN ACCORDANCE WITH THE WATER DEPARTMENT'S REQUIREMENTS.
2. THE CONTRACTOR SHALL PROVIDE SUBMITTALS TO THE WATER DEPARTMENT FOR ALL MATERIALS AND FITTINGS TO BE INSTALLED FOR APPROVAL PRIOR TO INSTALLATION.
3. WATER MAIN PIPE SHALL BE 8" CEMENT LINED DUCTILE IRON (D.I.) CLASS 52 WITH INTEGRAL BELL AND SPIGOT JOINTS AND SHALL MEET THE REQUIREMENTS OF AWWA C151/ANSI A21.51 WATER DISTRIBUTION PIPE, SERVICE CLASS STANDARD LENGTH EQUALS 18 FEET. PIPE JOINTS SHALL HAVE ELASTOMERIC GASKET TO PROVIDE FOR EXPANSION AND CONTRACTION.
4. FITTINGS SHALL BE DUCTILE IRON MEETING THE REQUIREMENTS OF AWWA C110 OR AWWA C153 AS APPLICABLE. FITTINGS SHALL HAVE PRESSURE RATING OF THE CONNECTING PIPE. RESTRAINT FOR PUSH ON JOINTS SHALL BE POSITIVE LOCKING "LOCK TYPE" JOINTS MANUFACTURED BY THE PIPE MANUFACTURER THAT UTILIZES RESTRAINT INDEPENDENT OF THE GASKET.
5. RESTRAIN ALL JOINTS. RESTRAINT SHALL BE EBAA IRON MEGALUG SERIES 1100 OR APPROVED EQUAL. MECHANICAL JOINT RESTRAINT SHALL BE PROVIDED AT ALL VALVES AND FITTINGS AS SHOWN IN THE DETAILS.
6. TAPPING SLEEVES SHALL BE OF SPLIT MECHANICAL JOINT DESIGN RATED FOR 200 PSI, HIGH-STRENGTH CAST IRON OR STEEL WITH CORROSION-RESISTANT COATING AND SEPARATE END AND SIDE GASKETS. THE SIDE GASKET TO EXTEND THE ENTIRE LENGTH OF THE TAPPING SLEEVE, FORMING A WATER-TIGHT JOINT; AS MANUFACTURED BY A.P. SMITH, DARLING, MUELLER H-615, H-616, # JCM 4114 OR APPROVED EQUAL.
7. GATE VALVES & VALVE BOXES SHALL BE NEW AND IN PERFECT WORKING CONDITION. VALVES SHALL BE DESIGNED FOR CONTINUOUS USE WITH MINIMUM MAINTENANCE. VALVES SHALL BE DUCTILE IRON RESILIENT SEAT TYPE DESIGNED FOR 250 PSI WORKING PRESSURE AND 500 PSI TEST PRESSURE. VALVES SHALL HAVE DOUBLE O-RING STUFFING BOX AND NON-RISE STEM. DESIGN OF VALVE SHALL ALLOW REPLACEMENT OF O-RINGS WITHOUT UNDUE LEAKAGE WITH VALVE FULLY OPEN AND IN SERVICE. VALVES SHALL HAVE 2-IN. OPERATING NUT. VALVE SHALL OPEN RIGHT. VALVES SHALL MEET THE REQUIREMENTS OF AWWA C509-87. ALL INSIDE AND OUTSIDE CAST IRON SURFACES SHALL BE EPOXY-COATED. COATING SHALL BE NON-TOXIC AND IMPART NO TASTE TO WATER PER AWWA C550. VALVES SHALL BE MUELLER CENTURION SERIES 2360.
8. RESILIENT-SEATED TAPPING VALVES SHALL BE FURNISHED WITH THE TAPPING FLANGE HAVING A RAISED FACE OR LIP DESIGNED TO ENGAGE THE TAPPING SLEEVE FLANGE IN ACCORDANCE WITH MMS SP60. THE INTERIOR OF THE WATERWAY BODY SHALL FULL OPENING AND CAPABLE OF PASSING A FULL SIZE SHELL CUTTER.
9. GATE BOXES SHALL BE CAST IRON, THREE-PIECE, TELESCOPING TYPE BOX WITH DOME BASE SUITABLE FOR INSTALLATION ON THE BURIED VALVES. INSIDE DIAMETER SHALL BE AT LEAST 5.25 INCH. BARREL LENGTH SHALL ADAPT TO DEPTH OF COVER WITH MIN. 6-INCH LAP BETWEEN UPPER AND LOWER BARRELS. COVER SHALL BE CAST IRON WITH CAST DIRECTION "OPEN ARROW" AND WITH LATERAL SUPPORT FOR VALVE EXTENSION SHAFT. BOXES SHALL BE AS MANUFACTURED BY BUFFALO, # CALDWELL NO. 10.
10. HYDRANTS SHALL MEET THE REQUIREMENTS OF AWWA C502, TRAFFIC TYPE WITH REPLACEABLE BREAKABLE UNIT ABOVE THE GROUND LINE. HYDRANTS SHALL BE PRESSURE TYPE, CONSTRUCTED SUCH THAT THE MAIN VALVE CLOSURES WITH THE WATER PRESSURE TO ASSURE NO LOSS OF WATER IN THE EVENT OF DAMAGE IN THE UPPER PORTION OF THE HYDRANT. THE VALVE SHALL HAVE A MINIMUM DIAMETER OF 5.25 INCHES. HYDRANT SHALL BE DRY TOP DESIGN WITH O-RING SEAL AND OPERATING MECHANISM THAT ALLOWS FIELD LUBRICATION WITHOUT REMOVAL OF THE TOP SECTION. OPERATING NUT SHALL BE ONE-PIECE BRONZE CASTING, PENTAGON SHAPE MEASURING 1.5 INCH FROM BASE TO POINT AND MIN. 1 INCH HIGH. CAPS SHALL BE PROVIDED WITH RUBBER GASKETS AND NON-KINK CHAINS; THREADS SHALL HAVE AN APPLICATION OF NEVER-SEIZE LUBRICANT. HYDRANTS SHALL HAVE TWO (2) 2.5-INCH NST HOSE NOZZLES AND ONE (1) 4.5-INCH NST PUMPER NOZZLE. MINIMUM DISTANCE FROM GROUND TO CENTERLINE OF LOWEST NOZZLE SHALL BE 18 INCHES. HYDRANT SHALL HAVE CAST MARKINGS TO IDENTIFY THE MANUFACTURER, SIZE OF VALVE OPENING, YEAR OF MANUFACTURE AND MARK INDICATING "OPEN RIGHT". HYDRANTS SHALL HAVE AN AUTOMATIC DRAIN TO PREVENT FREEZING. PORT AND SEAT OF THE MAIN VALVE SHALL BE BRONZE. HYDRANT TOP SECTION SHALL BE PAINTED WITH ONE COAT OF PRIMER AND ONE FINISH COAT OF RED ENAMEL. HYDRANTS SHALL HAVE STANDARD WORKING PRESSURE OF 200 PSI & 500 PSI TEST PRESSURE. HYDRANTS SHALL BE FURNISHED WITH A 10-YEAR WARRANTY FROM THE MANUFACTURER. HYDRANTS SHALL HAVE UL-FM APPROVAL, AS MANUFACTURED BY MUELLER A-423 SUPER CENTURION 200 FIRE HYDRANT.
11. CONCRETE THRUST BLOCKS AND ACCESSORIES SHALL BE INSTALLED WHERE SHOWN ON THE PLANS AND DETAILS. CONCRETE SHALL HAVE MIN. 3000-PSI COMPRESSIVE STRENGTH AT 28 DAYS, WITH MAXIMUM 5-INCH SLUMP, PLACED WITHIN 1.5 HOUR FROM TIME WHEN WATER WAS FIRST ADDED. THRUST BLOCKS SHALL BE CAST AGAINST UN-DISTURBED FACES OF THE TRENCH.
12. DOMESTIC WATER SERVICE PIPE SHALL BE TYPE K COPPER, NOT LESS THAN 1-INCH SIZE. CORROSION STOP FOR SERVICE CONNECTIONS SHALL HAVE STANDARD SHOP THREADS ON INLET END WITH JOINT OR COUPLING FOR CONNECTION TO POLYETHYLENE OR COPPER TUBING. CORROSION STOP SHALL BE MUELLER AWWA TYPE H-1500, H-1500B, RED HEAD STYLE 438 OR EQUAL. ADAPTER COUPLINGS SHALL MEET AWWA C800 AS MANUFACTURED BY MUELLER, RED HEAD # DRESSER. CURB STOP BOX SHALL BE CAST IRON WITH SLIDE TYPE DEPTH ADJUSTMENT AND IDENTIFYING COVER RECESSED INTO TOP BOX. THERE SHALL NOT BE ANY COUPLINGS USED ON SERVICE PIPING.

SECTION B: EXCAVATION AND BACKFILLING:

1. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT AND INCIDENTALS NECESSARY TO PERFORM ALL TRENCHING, INCLUDING DRAINAGE, FILLING, DISPOSAL OF SURPLUS MATERIAL AND RESTORATION OF SURFACES. EXCAVATION SHALL EXTEND TO THE WIDTH AND DEPTHS SHOWN ON THE PLANS AND SHALL PROVIDE ADEQUATE ROOM FOR INSTALLING PIPE, FITTINGS, STRUCTURES AND APPURTENANCES.
2. THE CONTRACTOR SHALL FURNISH ALL NECESSARY SHEETING, BRACING AND SUPPORTS TO MEET OSHA STANDARDS FOR EXCAVATION AND THE MASS. TRENCH LAW REGULATIONS.
3. TRENCH EXCAVATION SHALL INCLUDE MATERIAL OF ALL DESCRIPTIONS EXCEPT LEDGE AND BOULDERS. PAVEMENT SHALL BE SAW-CUT BEFORE EXCAVATING, INCLUDING REINFORCED SUB-BASE IF ENCOUNTERED. STRIP AND STOCKPILE TOPSOIL FROM GRASSSED AREAS CROSSED BY TRENCHES. TOPSOIL MAY BE OTHERWISE DISPOSED OF AND REPLACED WITH APPROVED TOPSOIL OF EQUAL QUALITY AT THE CONTRACTOR'S OPTION. WHILE THE WORK IS IN PROGRESS, TRAFFIC SHALL BE MAINTAINED, OR WHEN TRAFFIC CANNOT BE MAINTAINED, A POLICE DETAIL SHALL BE PROVIDED AT THE CONTRACTOR'S EXPENSE. CARE MUST BE TAKEN TO AVOID DAMAGE TO OTHER UTILITIES BURIED IN THE VICINITY OF THE WORK. IN CASE OF DAMAGE TO OTHER STRUCTURES, THE OWNER AND THE WATER DEPARTMENT SHALL BE IMMEDIATELY NOTIFIED BY THE CONTRACTOR SO PROPER STEPS CAN BE TAKEN TO REPAIR THE DAMAGE AT THE EXPENSE OF THE CONTRACTOR. TRENCHES SHALL BE EXCAVATED TO THE DEPTHS INDICATED ON THE PLANS OR TO ALLOW A MINIMUM 4-FOOT COVER ON TOP OF THE PIPE. TRENCH WIDTH AT THE TOP SHALL BE NO WIDER THAN PIPE WIDTH PLUS 1.5 FEET OR AS REQUIRED FOR LAYING THE PIPE, BRACING AND PUMPING. EXCAVATION AND DE-WATERING SHALL BE DONE BY METHODS WHICH PRESERVE THE UN-DISTURBED STATE OF SUB-GRADE SOILS. SUB-GRADE SOILS WHICH BECOME SOFT, LOOSE OR OTHERWISE UNSUITABLE SHALL BE REMOVED AND REPLACED WITH SUITABLE FILL COMPACTED IN PLACE.
4. BEDDING MATERIALS SHALL BE PLACED BY HAND UP TO 12 INCHES ABOVE THE PIPE TO PROVIDE UNIFORM LONGITUDINAL SUPPORT UNDER THE PIPE TO PREVENT LOW SPOTS. BLOCKING SHOULD NOT BE USED TO BRING THE PIPE TO GRADE. BACKFILL ABOVE 12 INCHES MAY BE DONE BY MACHINE. PROVIDE BELL HOLES AT EVERY JOINT TO ALLOW THE JOINT TO BE ASSEMBLED PROPERLY WHILE MAINTAINING ADEQUATE SUPPORT. PIPE BEDDING SHALL BE 3/4" CRUSHED STONE.
5. BACKFILLING SHOULD FOLLOW PIPE ASSEMBLY AS CLOSE AS POSSIBLE TO AVOID DAMAGE. THE CONTRACTOR SHALL HAUNCH AND PROVIDE CRUSHED STONE BEDDING IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS TO PROVIDE SIDE SUPPORT WITH COMPACTED MATERIALS AROUND THE PIPE, AND ABOVE THE BEDDING WITH CRUSHED STONE. REMAINING BACKFILL SHALL BE FLOWABLE FILL IN ACCORDANCE WITH THE TRENCH DETAIL.
6. PROVIDE 4 FT. TO 5 FT. COVER OVER WATER SERVICE PIPING.

SECTION C: PIPE FILLING AND TESTING:

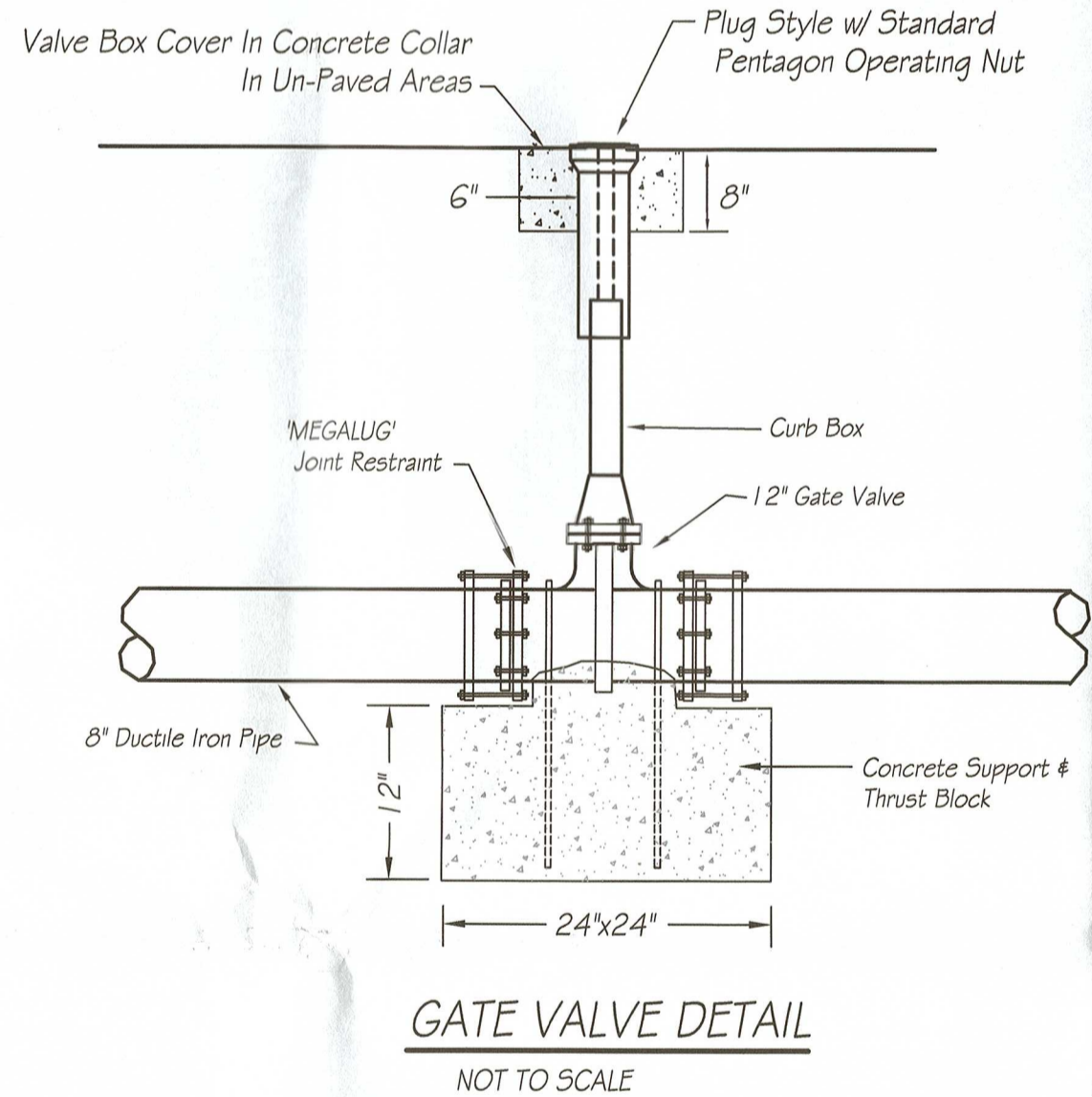
1. AFTER INSTALLATION, THE PIPE SHALL BE TESTED IN ACCORDANCE WITH AWWA C600 STANDARD. PIPES SHALL BE SUBJECT TO A HYDROSTATIC PRESSURE OF 150 PSI AT THE HIGHEST POINT ALONG THE PIPELINE. THIS TEST PRESSURE SHALL BE MAINTAINED FOR A MINIMUM OF 2 HOURS. THE LEAKAGE RATE SHALL NOT EXCEED THAT INDICATED IN THE AWWA C600 STANDARD. THE CONTRACTOR SHALL PROVIDE SUITABLE RESTRAINED BULKHEADS AS NEEDED TO CONDUCT THE PRESSURE TEST. BULKHEADS SHALL BE PROVIDED FOR FILLING AND DRAINING THE LINE AND FOR VENTING AIR. FURNISH GAGES, METERS, PRESSURE PUMPS, AND OTHER EQUIPMENT NEEDED TO FILL THE PIPELINE SLOWLY AND PERFORM THE REQUIRED HYDROSTATIC TEST. THE WATER DEPARTMENT WILL PROVIDE A SOURCE OF SUPPLY FROM THE EXISTING TREATED WATER DISTRIBUTION SYSTEM FOR THE TEST. AN AIR BREAK SHALL BE MAINTAINED AT ALL TIMES BETWEEN THE DISTRIBUTION SYSTEM AND THE CONTRACTOR'S EQUIPMENT TO PREVENT CROSS-CONTAMINATION.
2. THE PIPELINE SHALL BE FILLED SLOWLY WITH WATER FROM THE LOW END, EXPELLING AIR FROM THE HYDRANTS AND TAPS AT BOTH ENDS OF THE LINE. THE LINE SHALL BE SHUT DOWN AND LEFT FILLED FOR 24 HOURS. AFTER ALL AIR IS EXPELLLED, PRESSURE SHALL BE APPLIED AND MAINTAINED FOR 2 HOURS. THE LEAKAGE TEST SHALL BE A SEPARATE TEST FOLLOWING THE PRESSURE TEST AND SHALL NOT BE LESS THAN 2 HOURS. ALLOWABLE LEAKAGE FOR 8-INCH DIAMETER PIPE AT AVE. TEST PRESSURE OF 150 PSI = 0.92 GPM PER 1000 FEET.
3. PROVIDE RESULTS TO THE CITY OF NEW BEDFORD. THE WATER DEPARTMENT SHALL WITNESS PROCEDURE. PROVIDE MINIMUM 48-HOUR NOTICE.

SECTION D: WATER MAIN DISINFECTION:

1. THE WATER DEPARTMENT SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO DISINFECTION AND SHALL WITNESS THE PROCEDURE. ALL NEW WATERLINE SHALL BE CHLORINATED USING THE CONTINUOUS FEED METHOD SPECIFIED IN AWWA C651. THE LOCATIONS OF THE CHLORINATION AND SAMPLING POINTS SHALL BE TAKEN AT INTERVALS OF APPROX. 200 FEET AND FROM THE ENDS OF THE LINE. THE CONTRACTOR SHALL INSTALL THE CHLORINATION AND SAMPLING TAPS AND SHALL UNCOVER AND BACKFILL THE TRAPS AS REQUIRED. SOLUTIONS OF 1% CHLORINE MAY BE PREPARED WITH SODIUM HYPOCHLORITE OR CALCIUM HYPOCHLORATE. FOLLOWING THE 24-HOUR CHLORINATION PERIOD, A MINIMUM RESIDUAL OF 1.0 PPM SHALL BE PRESENT. ALL TREATED WATER SHALL BE SLOWLY FLUSHED FROM THE LINES AT THE EXTREMITIES UNTIL THE CHLORINE RESIDUAL IS NO HIGHER THAN IN THE EXISTING DISTRIBUTION SYSTEM.
2. 24 HOURS AFTER FLUSHING IS COMPLETED, A SAMPLE SHALL BE TAKEN TO DETERMINE THE AMOUNT OF RESIDUAL CHLORINE. IF THE AMOUNT IS LESS THAN 0.10 MGL, THEN A HISTOTROPIC TEST SHALL BE PERFORMED IN ADDITION TO COLIFORM BACTERIA. A COPY OF THE TEST REPORT SHALL BE SUBMITTED TO THE WATER DEPARTMENT. IF THE CHLORINATION TEST FAILS, THE CONTRACTOR SHALL RE-CHLORINATE AND RE-TEST USING THE SAME PROCEDURES. THE PIPELINE WILL NOT BE PLACED INTO SERVICE UNTIL ALL REQUIREMENTS OF THE COMMONWEALTH OF MASSACHUSETTS AND THE FREEDOWN WATER DEPT. ARE MET.
3. ALL ADJOINING POTABLE WATER PIPELINES (ENDS) SHALL BE KEPT CLEAN AND SHALL BE SWABBED WITH A 5.25-PERCENT CHLORINE SOLUTION JUST PRIOR TO INSTALLING THE PIPES, VALVES, COMPONENTS, FITTINGS AND APPURTENANCES.
4. SUBMIT ALL SAMPLING AND ANALYSIS RESULTS TO THE DPH.

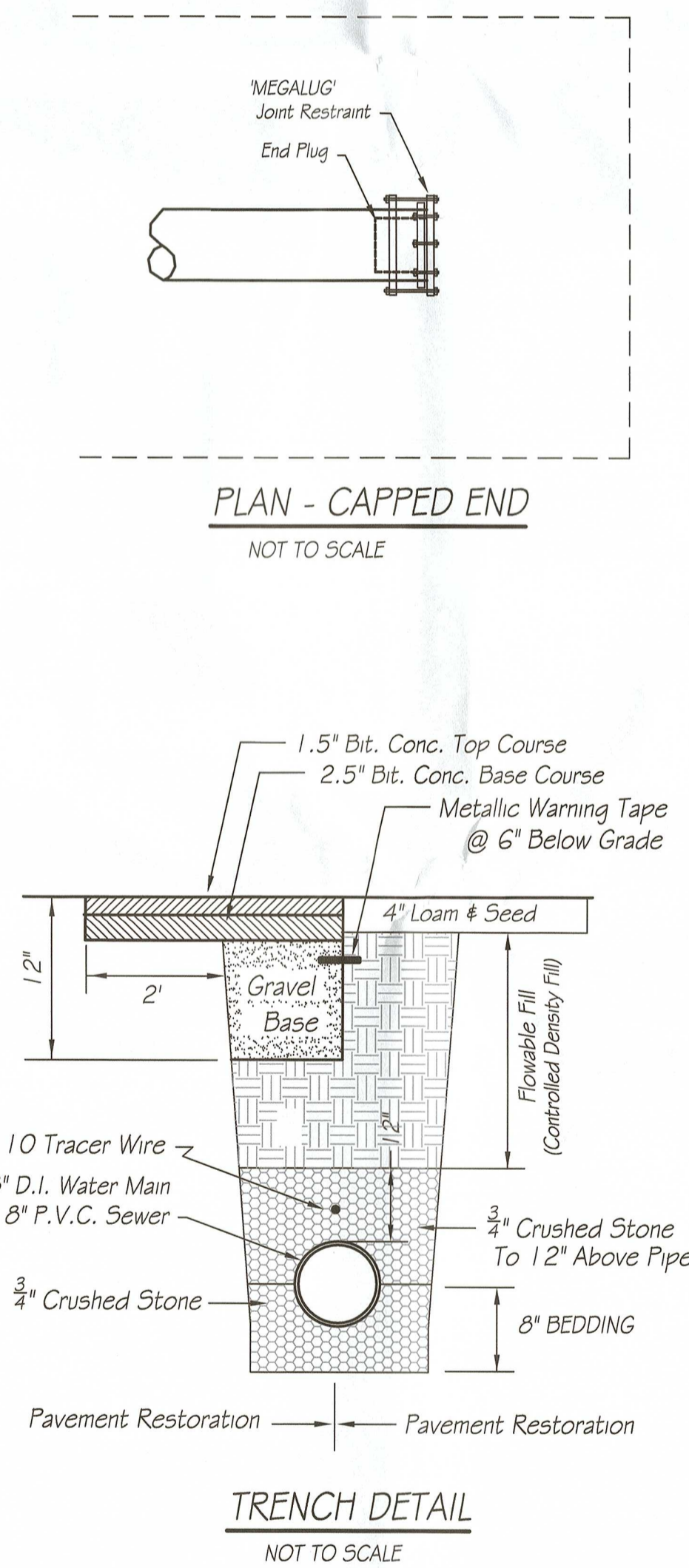
SECTION E: WATER MAIN APPROVAL:

1. THE NEW WATER MAIN MUST BE PERMITTED, INSPECTED AND TESTED, AND AS AS-BUILT PLAN SUBMITTED TO D.P.P. FOR REVIEW AND APPROVAL PRIOR TO ISSUANCE OF THE WATER PERMIT FOR THE NEW DWELLING. THE CONTRACTOR SHALL COMPLY WITH D.P.P. SPECIFICATIONS AND REQUIREMENTS FOR WATER LINE INSTALLATION IN BOTH PRIVATE AND PUBLIC WAYS.



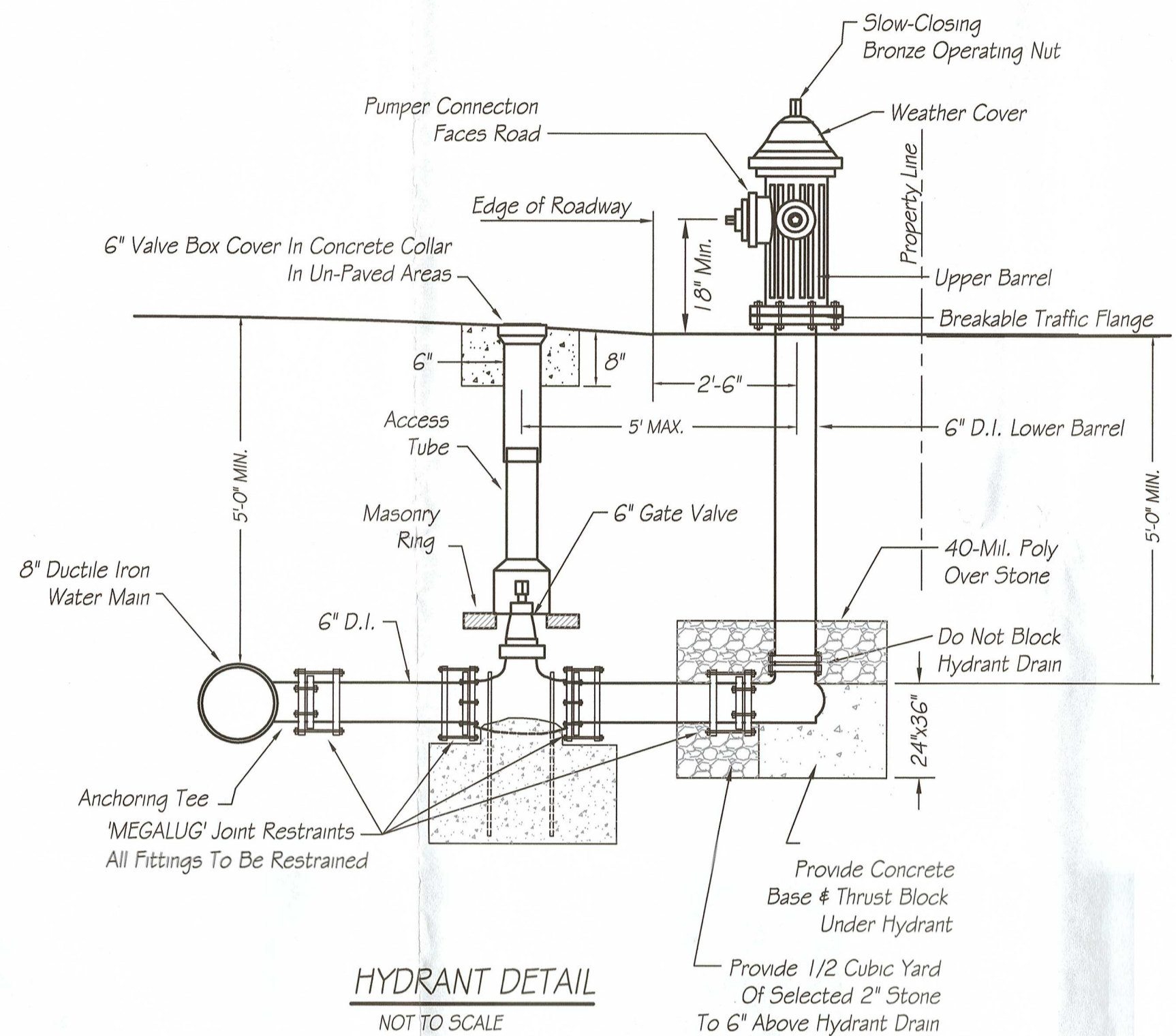
GATE VALVE DETAIL

NOT TO SCALE



TRENCH DETAIL

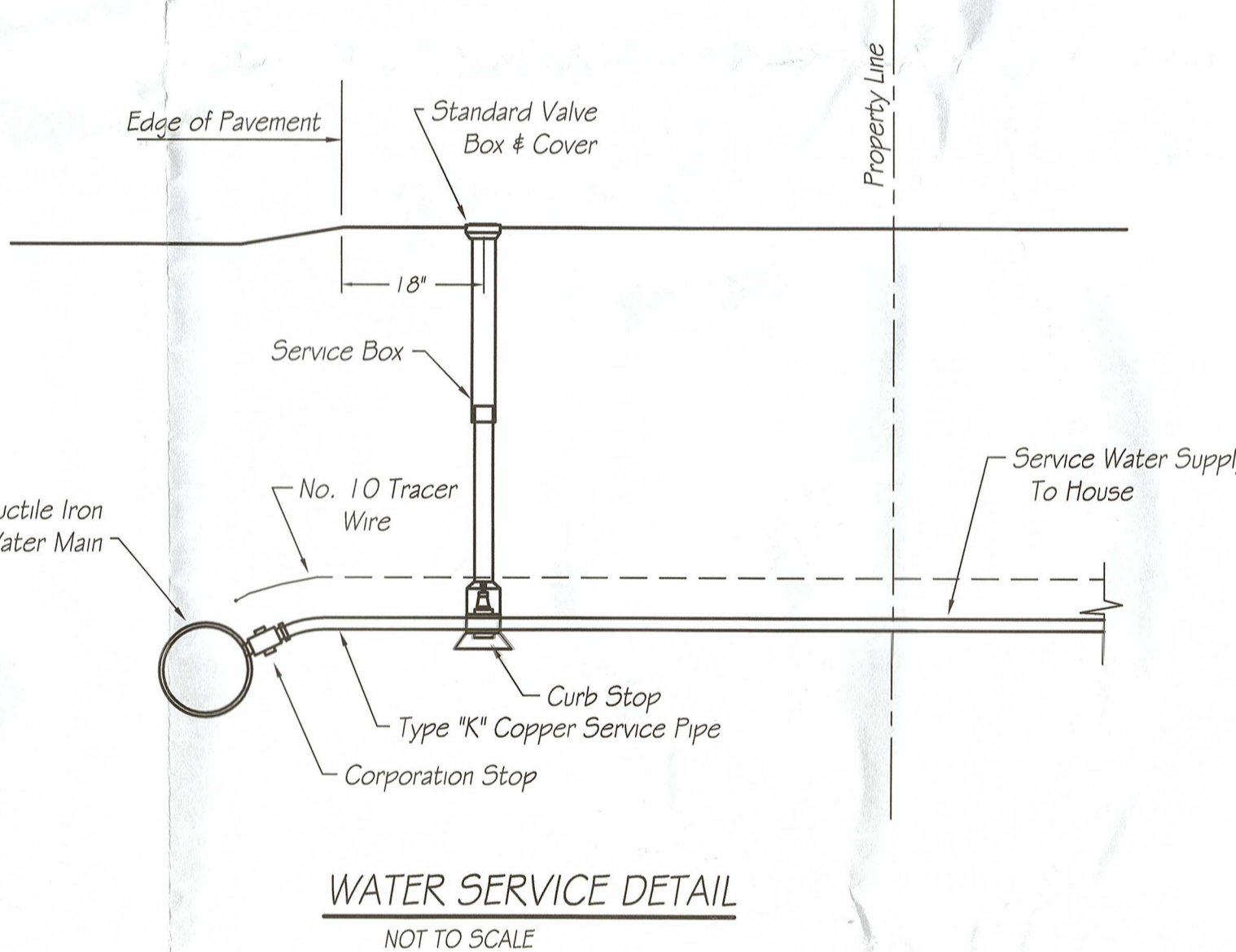
NOT TO SCALE



HYDRANT DETAIL

NOT TO SCALE

NOTE: Provide 2' x 4' x 6" Concrete Pad Adjacent To Hydrant For Flushing Discharge.



WATER SERVICE DETAIL

NOT TO SCALE

NOTE: WHERE PROPERTY LINE LOCATION IS NOT DETERMINED, EXTEND WATER SERVICE TO 6 FT. FROM EDGE OF PAVEMENT.

	PLAN OF SITE, PROPOSED HOUSE AND SEWER & WATER CONNECTIONS PHIL ROSE MAP 134 LOT 437, BEVERLY STREET NEW BEDFORD, MASS.	
	CAI Charon Associates, Inc. Consulting Engineers 323 Neck Road - Rochester, MA 02770 Tel: 508-763-8362 Fax: 508-763-9582	
SCALE: AS NOTED DATE: OCTOBER 22, 2021 REV. 2: JAN. 21, 2022 REV. 4: FEB. 10, 2022	REV. 1: DEC. 17, 2021 REV. 3: FEB. 4, 2022	DWG. NO. L-2