

SUPERVISOR

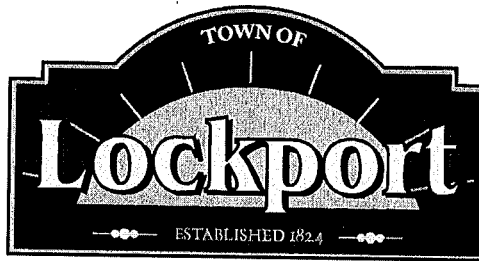
MARK C. CROCKER

TOWN CLERK

NANCY A. BROOKS

SUPERINTENDENT OF HIGHWAYS

DAVID J. MILLER



COUNCIL MEMBERS

DARLENE S. DICARLO

PATRICIA DUFOUR

THOMAS KEOUGH

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TOWN ATTORNEY

MICHAEL NORRIS

MEMORANDUM TO ALL UTILITY CONTRACTORS

To: Utility Contractors
From: Town of Lockport Water and Sewer Department
Date Adopted: October 7, 2015
Date Effective: January 1, 2016
RE: Water and Sewer Connection and Inspection Fees

WATER SERVICES

A. Water Meter Fees

Meter Size (Inches)	Meter Charge
5/8"	\$225
3/4"	\$250
1"	\$350
2"	\$800
Larger than 2"	Applicants Cost*

* Water Meter must be compatible with Town of Lockport Remote Meter read system

B. Tapping Fees

Water Service Tap Size (Inches)	Tapping Fee
1" (Near Side)	\$900
1" (Far Side)	\$900
2" (Near Side)	\$1,600
2" (Far Side)	\$1,600
Larger than 2"	\$750*

* Inspection Fee Only

C. Installation Responsibilities

NEAR SIDE WATER SERVICE- 1" & 2"	
Town of Lockport Responsibilities	Applicant Responsibilities
1. Excavate the Watermain 2. Tap the Watermain 3. Connect the Service to the Main 4. Furnish & Install the Corp Stop 5. Furnish & Install the Curb Box 6. Furnish & Install the Curb Stop 7. Furnish & Install the Water Meter	1. Install Water Service from House to Right-of-Way

FAR SIDE WATER SERVICE- 1" & 2"	
Town of Lockport Responsibilities	Applicant Responsibilities
<ol style="list-style-type: none"> 1. Tap the Watermain 2. Connect the Service to the Main 3. Furnish & Install the Corp Stop 4. Furnish & Install the Curb Box 5. Furnish & Install the Curb Stop 6. Furnish & Install the Water Meter 	<ol style="list-style-type: none"> 1. Excavate the Watermain on the Far Side of the Road 2. Install Water Service from House to Right-of-Way 3. Install Water Service Under the Road

FAR SIDE & NEAR SIDE WATER SERVICE- LARGER THAN 2"	
Town of Lockport Responsibilities	Applicant Responsibilities
<ol style="list-style-type: none"> 1. Inspection of Work 2. Engineering Review of Design 	<ol style="list-style-type: none"> 1. Excavate the Watermain (on the Far Side of the Road- If Required) 2. Install Water Service from House to Right-of-Way 3. Install Water Service Under the Road (If Required) 4. Tap the Watermain 5. Connect the Service to the Main 6. Furnish & Install the Corp Stop 7. Furnish & Install the Curb Box 8. Furnish & Install the Curb Stop 9. Furnish & Install the Water Meter

D. Water Service Installation Notes

1. There will be no 1 ½" watermain taps or 1 ½" water meters provided by the Town of Lockport for new customers.
2. All residential homes constructed greater than 150' away from the right-of-way will require the installation of an underground meterpit (tileset). This meterpit will be paid for and installed by the applicant. See details contained within this packet.
3. All commercial buildings constructed greater than 150' away from the right-of-way will require the installation of an underground meterpit (tileset) or above ground "hot box" enclosure with the appropriate water meter and backflow prevention device. The backflow prevention device and hotbox is required to be designed and stamped by a Professional Engineer. The Town of Lockport Town Engineer will review and approve the design documents and engineering report prior to submitting to the Niagara County Health Department for approval.
4. The applicant is responsible for all driveway, lawn, shoulder, sidewalk, and pavement restoration required for far side water services.

SANITARY SEWER SERVICES

A. Inspection Fees

Sewer Service Tap Size (Inches)	Inspection Fee
4"	\$500
6"	\$500

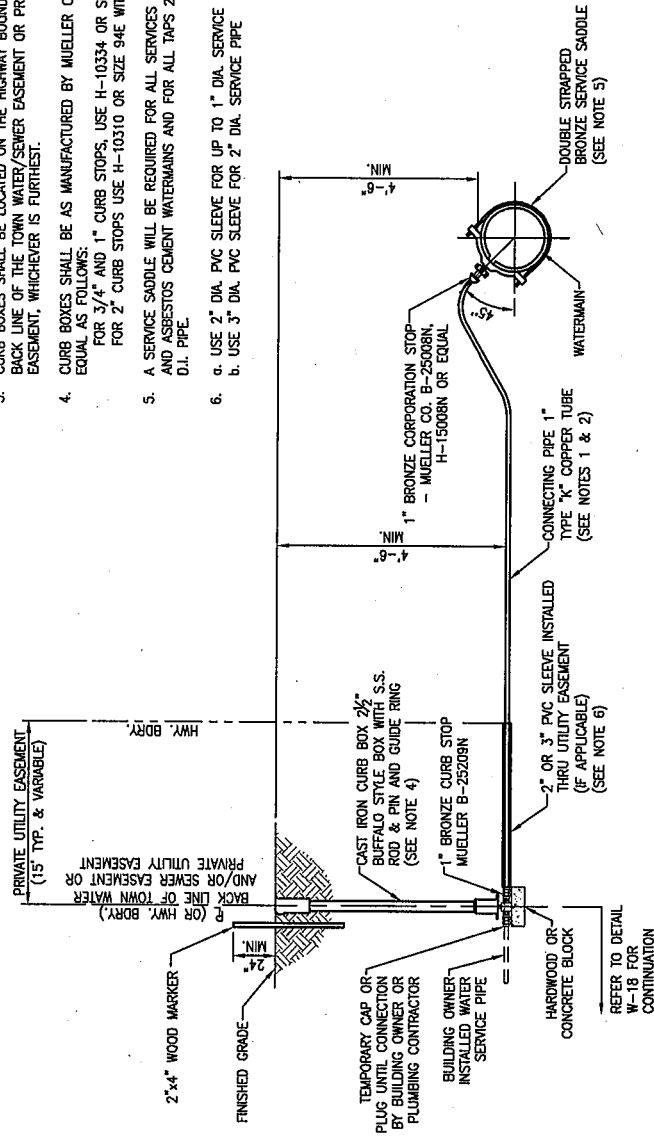
B. Installation Responsibilities

FAR SIDE & NEAR SIDE SANITARY SEWER SERVICE- ALL SIZES	
Town of Lockport Responsibilities	Applicant Responsibilities
1. Inspection of Work 2. Engineering Review of Design	1. Excavate the Sewermain (on the Far Side of the Road- If Required) 2. Install Sewer Lateral from House to Right-of-Way 3. Install Sewer Service Under the Road (If Required) 4. Tap the Sewermain

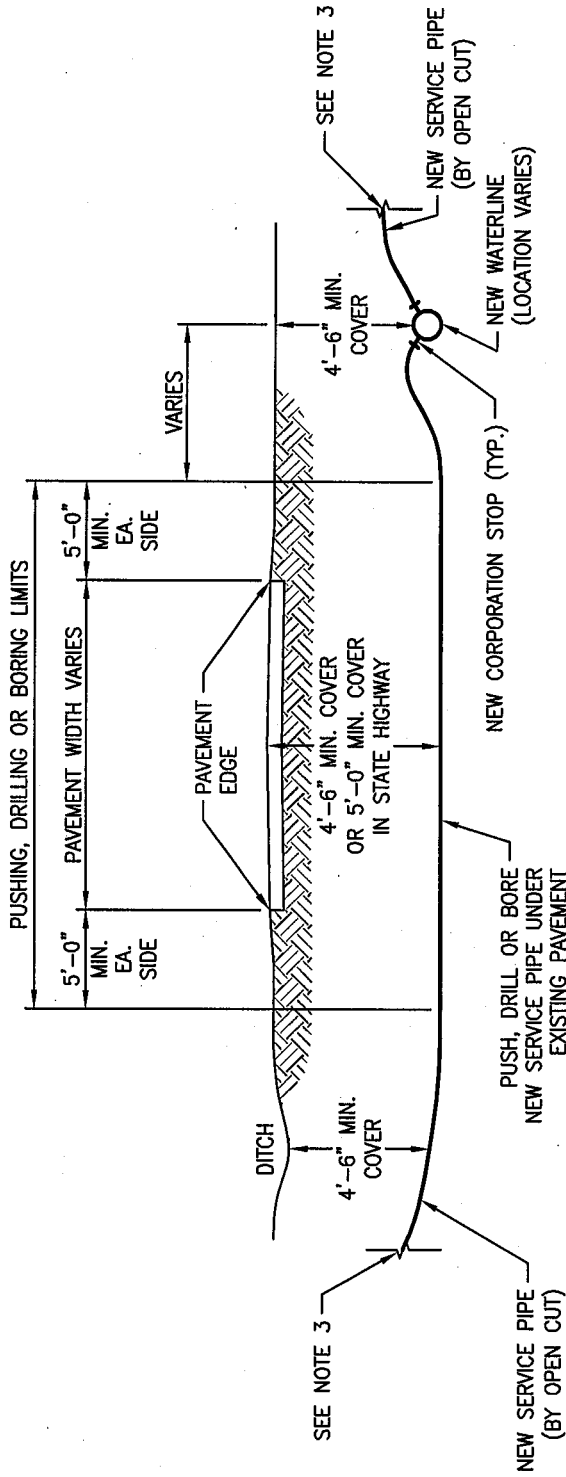
C. Sewer Service Installation Notes

1. The applicant is responsible for all driveway, lawn, shoulder, sidewalk, and pavement restoration required for far side sewer services.

- NOTES:**
1. ALL NEW WATER SERVICES SHALL BE 1" MINIMUM DIAMETER, TYPE "K" COPPER TUBE, UNLESS OTHERWISE NOTED.
 2. FOR 2" DIA. SERVICE PIPE, EITHER TYPE "K" COPPER TUBE OR SDR-9 POLYETHYLENE (PE) TUBING WITH TRACER WIRE WILL BE ACCEPTABLE.
 3. CURB BOXES SHALL BE LOCATED ON THE HIGHWAY BOUNDARY LINE, OR THE BACK LINE OF THE TOWN WATER/SEWER EASEMENT OR PRIVATE UTILITY EASEMENT, WHICHEVER IS FURTHEST.
 4. CURB BOXES SHALL BE AS MANUFACTURED BY MUELLER CO. OR APPROVED EQUAL AS FOLLOWS:
 FOR 3/4" AND 1" CURB STOPS, USE H-10334 OR SIZE 94E
 FOR 2" CURB STOPS USE H-10310 OR SIZE 94E WITH ENLARGED BASE
 5. A SERVICE SADDLE WILL BE REQUIRED FOR ALL SERVICES INSTALLED ON PVC AND ASBESTOS CEMENT WATERMAINS AND FOR ALL TAPS 2" AND LARGER ON D.I. PIPE
 - a. USE 2" DIA. PVC SLEEVE FOR UP TO 1" DIA. SERVICE PIPE
 - b. USE 3" DIA. PVC SLEEVE FOR 2" DIA. SERVICE PIPE



TYPICAL WATER SERVICE LINE INSTALLATION
 SCALE: N.T.S.



- NOTES:**
- BACKFILL SERVICE CROSS TRENCHES 5' BEYOND EXISTING OR PROPOSED PAV'T. EDGE, STABILIZED SHOULDER OR BACK EDGE OF GUTTER CURB WITH FULL DEPTH 1" R.O.C. STONE.
 - WATER SERVICE PIPE SHALL BE ONE CONTINUOUS PIECE OF PIPE WITH NO UNIONS OR COUPLINGS.
 - REFER TO DETAIL W-16 "TYPICAL WATER SERVICE LINE INSTALLATION" FOR ADDITIONAL REQUIREMENTS.
 - FOR 2" DIA. SERVICE PIPE, EITHER TYPE "K" COPPER TUBE OR SDR-9 POLYETHYLENE (PE) TUBING WITH TRACER WIRE WILL BE ACCEPTABLE.

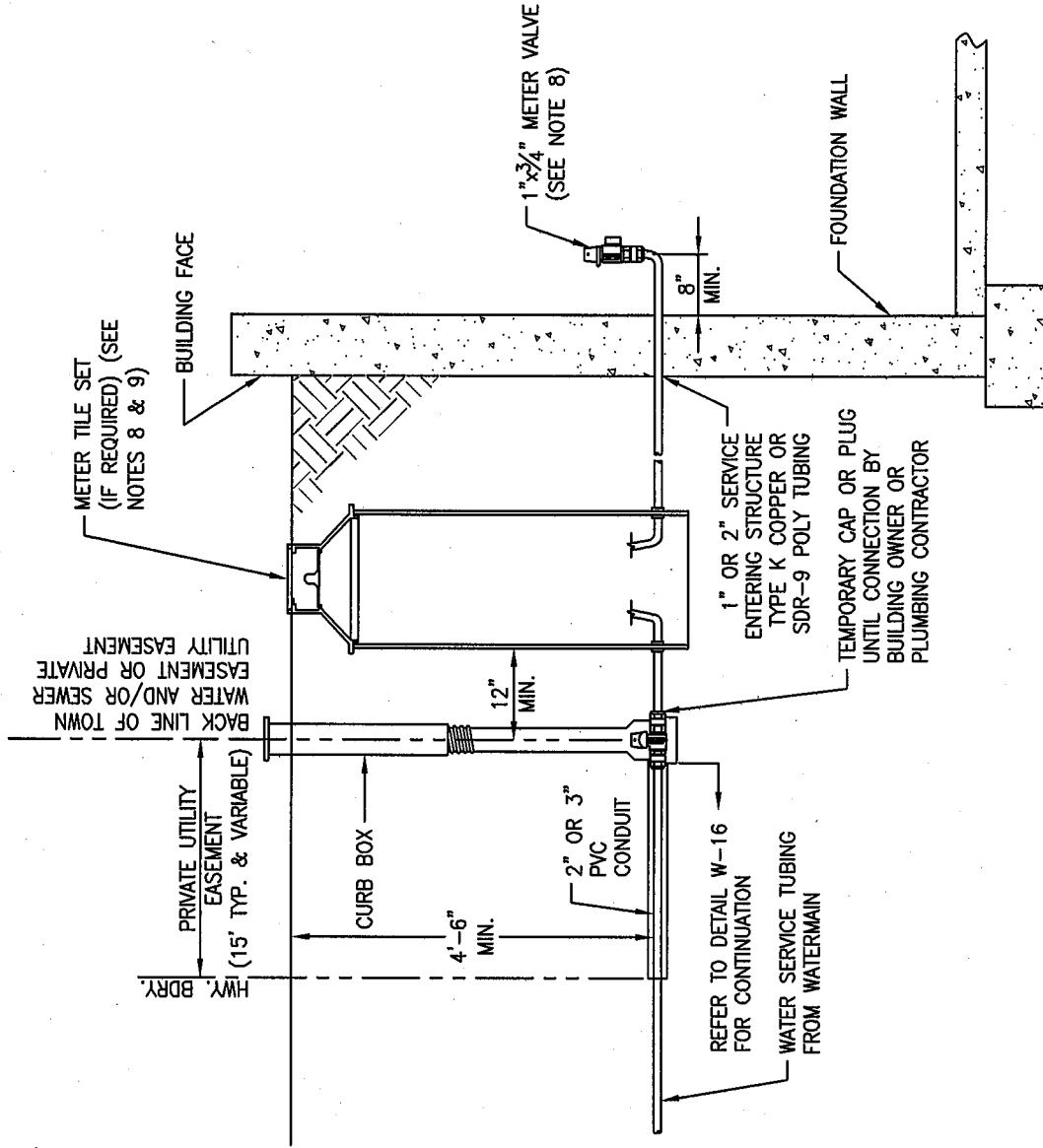
TYPICAL WATER SERVICE LINE INSTALLATION ACROSS EXISTING PAVEMENT

SCALE: N.T.S.

W-17

NOTES:
UNLESS OTHERWISE NOTED, THE FOLLOWING ARE THE RESPONSIBILITY OF THE BUILDING OWNER TO PROVIDE AND INSTALL:

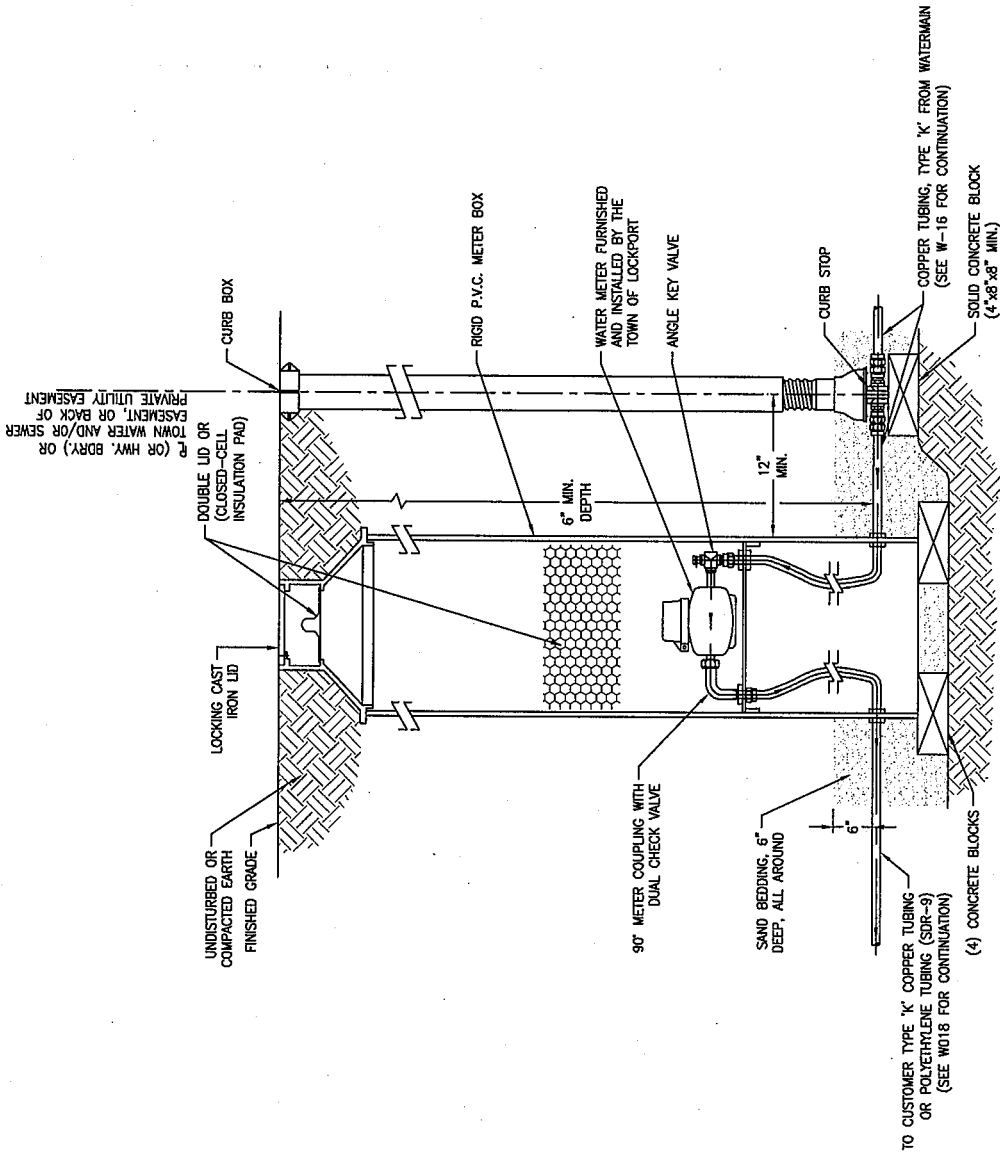
1. ALL VALVES TO BE MUELLER COMPRESSION ONLY.
2. TYPE K COPPER OR SDR-9 POLY TUBING ONLY.
3. 1" $\frac{3}{4}$ " METER VALVE(S) ARE REQUIRED.
4. A SPREADER PIPE WILL BE REQUIRED FOR $\frac{3}{4}$ " AND 1" METERS.
5. LINE VALVES REQUIRED BOTH SIDES OF 1" OR LARGER METERS.
6. ALL METERS ARE TO BE HUNG HORIZONTAL.
7. BACKFLOW PREVENTER MUST BE INSTALLED AFTER THE METER.
8. A METER TILE SET WILL BE REQUIRED, IN LIEU OF AN INTERIOR METER, IF THE DISTANCE BETWEEN THE HIGHWAY BOUNDARY AND THE BUILDING FACE IS GREATER THAN 150 FEET (SEE DETAIL W-19).
9. ALL COMMERCIAL BUILDINGS CONSTRUCTED GREATER THAN 150 FEET FROM THE HIGHWAY BOUNDARY WILL REQUIRE INSTALLATION OF AN UNDERGROUND METER PIT (OR TILE SET) OR AN ABOVE GRADE "HOT BOX" STYLE ENCLOSURE WITH APPROPRIATE METER AND AN BACKFLOW PREVENTION DEVICE.
10. AN INSPECTION IS REQUIRED BY THE TOWN.
CALL: 439-9530 OR 439-9529
MONDAY - FRIDAY 7:00 AM TO 3:00 PM
11. ALL SDR-9 POLY TUBING WATER SERVICE PIPE BETWEEN THE HOUSE AND THE CURB BOX WILL REQUIRE THE INSTALLATION OF A TRACER WIRE.



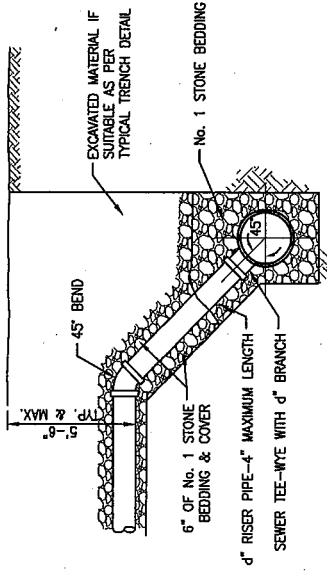
TYPICAL BUILDING SERVICE CONNECTION DETAIL

SCALE: N.T.S.

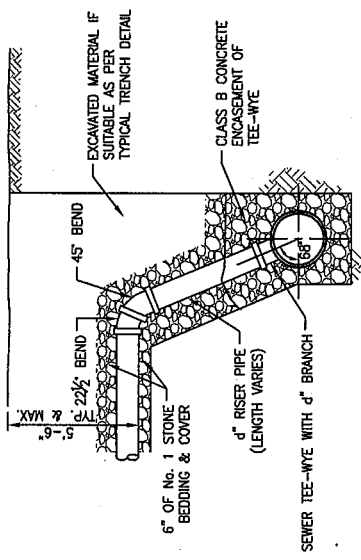
W-18



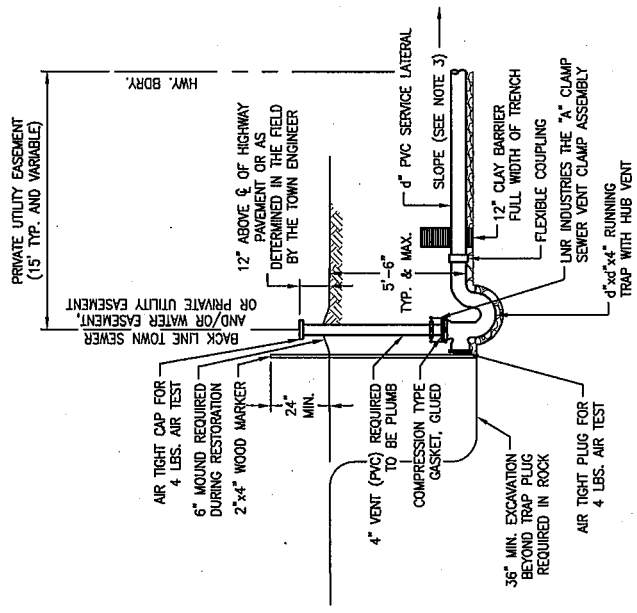
TYPICAL 1" & 2" DIA. SERVICE WATER METER TILESET/VAULT DETAIL
 SCALE: N.T.S.



**DETAIL "A"
FOR SEWER MAINS MAXIMUM DEPTH 10'
R.T.S.**



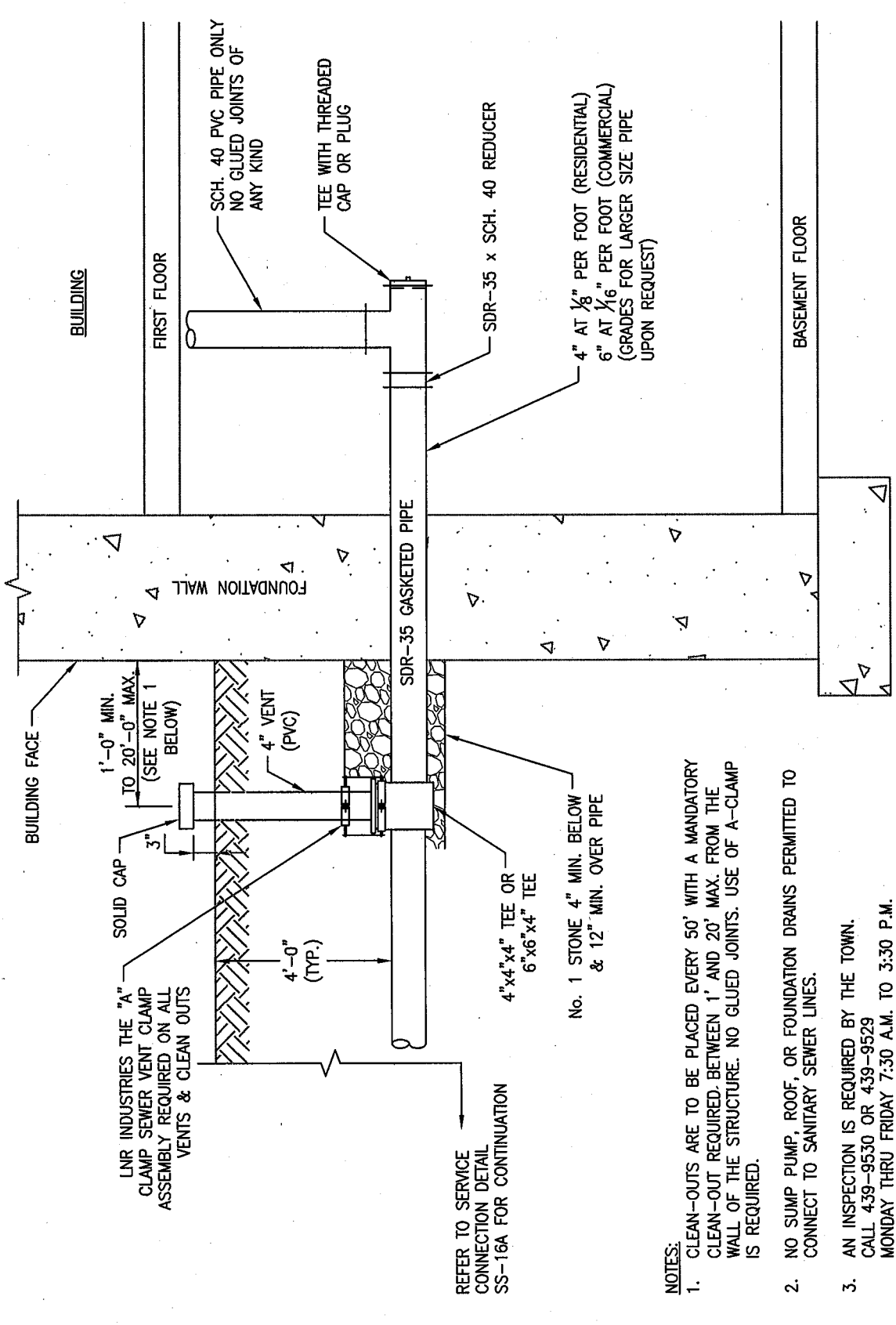
**DETAIL "B"
FOR SEWER MAINS DEEPER THAN 10'
R.T.S.**



**RUNNING TRAP & VENT DETAIL
R.T.S.**

- NOTES:**
1. COMPACTED STONE BEDDING OR CLASS B CONCRETE FOR A DISTANCE OF 4' ALONG THE MAINLINE TRENCH EACH SIDE OF THE WYE OR RISER.
 2. SERVICE LATERALS AND RISER PIPE SHALL BE OF THE SAME MATERIAL & CLASS AS USED FOR SEWER MAINS.
 3. SERVICE LATERAL DIAMETER "d" TO BE:
 4" DIA. $\frac{1}{8}$ "/FT. MIN. SLOPE - RESIDENTIAL
 6" DIA. $\frac{1}{16}$ "/FT. MIN. SLOPE - COMMERCIAL
 4. SERVICE LATERAL INVERT TO BE PLACED AT 5'-6" DEPTH UNLESS OTHERWISE NOTED AND/OR APPROVED.
 5. VENT ON TRAP SHALL BE LOCATED ON THE HIGHWAY BOUNDARY LINE, OR THE BACK LINE OF THE TOWNWATER/SEWER EASEMENT OR PRIVATE UTILITY EASEMENT, WHICHEVER IS FURTHEST.

SERVICE CONNECTION DETAILS
SCALE: N.T.S.



LNR INDUSTRIES THE "A"
CLAMP SEWER VENT CLAMP
ASSEMBLY REQUIRED ON ALL
VENTS & CLEAN OUTS

1'-0" MIN.
TO 20'-0" MAX.
(SEE NOTE 1
BELOW)

BUILDING

FIRST FLOOR

SCH. 40 PVC PIPE ONLY
NO GLUED JOINTS OF
ANY KIND

TEE WITH THREADED
CAP OR PLUG

SDR-35 GASKETED PIPE

SDR-35 x SCH. 40 REDUCER

4" AT 1/8" PER FOOT (RESIDENTIAL)
6" AT 1/6" PER FOOT (COMMERCIAL)
(GRADES FOR LARGER SIZE PIPE
UPON REQUEST)

BASEMENT FLOOR

BUILDING FACE

SOLID CAP

4" VENT
(PVC)

4'-0"
(TYP.)

4"x4"x4" TEE OR
6"x6"x4" TEE

No. 1 STONE 4" MIN. BELOW
& 12" MIN. OVER PIPE

REFER TO SERVICE
CONNECTION DETAIL
SS-16A FOR CONTINUATION

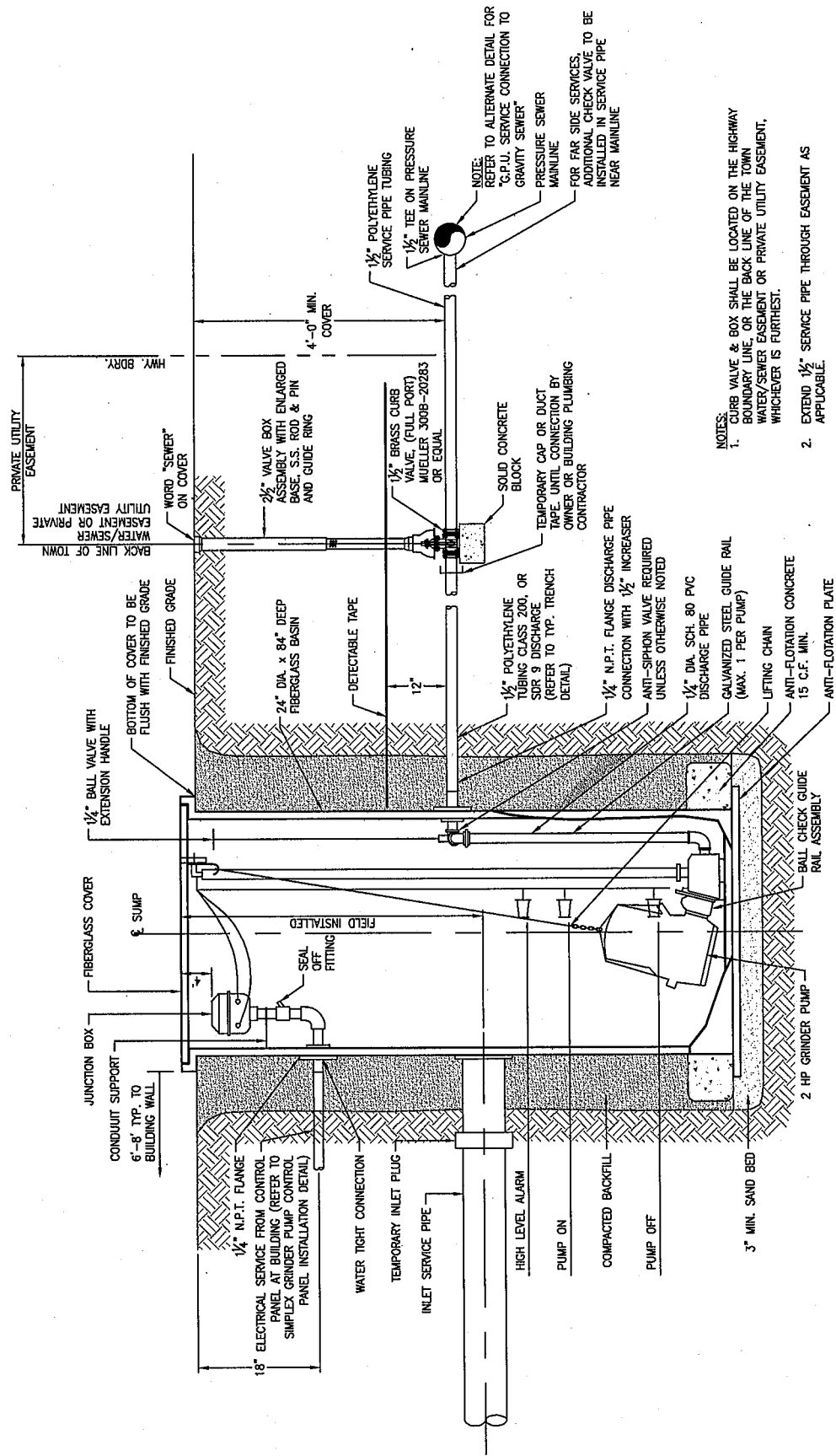
NOTES:

- CLEAN-OUTS ARE TO BE PLACED EVERY 50' WITH A MANDATORY CLEAN-OUT REQUIRED BETWEEN 1' AND 20' MAX. FROM THE WALL OF THE STRUCTURE. NO GLUED JOINTS. USE OF A-CLAMP IS REQUIRED.
- NO SUMP PUMP, ROOF, OR FOUNDATION DRAINS PERMITTED TO CONNECT TO SANITARY SEWER LINES.
- AN INSPECTION IS REQUIRED BY THE TOWN. CALL 439-9530 OR 439-9529 MONDAY THRU FRIDAY 7:30 A.M. TO 3:30 P.M.

**TYPICAL BUILDING SERVICE
CONNECTION & CLEAN-OUT DETAIL**

SCALE: N.T.S.

SS-16B



- NOTES:
- CURB VALVE & BOX SHALL BE LOCATED ON THE HIGHWAY BOUNDARY LINE, OR THE BACK LINE OF THE TOWN WATER/SEWER EASEMENT OR PRIVATE UTILITY EASEMENT, WHICHEVER IS FURTHEST.
 - EXTEND 1/2" SERVICE PIPE THROUGH EASEMENT AS APPLICABLE.

INDIVIDUAL SIMPLEX GRINDER PUMP UNIT (G.P.U.) AND SERVICE INSTALLATION DETAIL
 SCALE: N.T.S.

QUANTITY	DESCRIPTION
ONE (1)	LIBERTY PUMPS MODEL 2484LSG202C-48, "OMNIVORE" SUBMERSIBLE GRINDER PUMP PACKAGE RATED FOR 30 GPM @ 63' TDH, 2.0 HP, 230V/SINGLE PHASE WITH 35' OF ELECTRICAL CABLE AND 10' OF STAINLESS STEEL HOISTING CHAIN.
ONE (1)	24" DIA. X 84" DEEP FIBERGLASS BASIN INCLUDING: - NEMA 4X JUNCTION BOX AND CONDUIT SUPPORT (AS REQUIRED) - CAST IRON GR20 QUICK DISCONNECT BALL CHECK SLIDE RAIL BASE AND UPPER PIPE GUIDE BRACKET ASSEMBLY - 1/4" DIA. SCHEDULE 80 PVC STATION DISCHARGE PIPING - 1/4" DIA. PVC DISCHARGE BALL VALVE WITH EXTENSION HANDLE - 1/4" DIA. NPT DISCHARGE FLANGE - GALVANIZED STEEL GUIDE RAIL - 4" DIA. GRAVITY INLET HUB WITH FLANGE GASKET & FERNCO PIPE SEAL (FIELD INSTALLED) - UPPER GUIDE BRACKET SUPPORT WITH PUMP CABLE HOOK AND HOISTING PLATE - ANTI-FLOATATION COLLAR - FIBERGLASS COVER
THREE (3)	PRE-MOUNTED, AUTOMATIC, WIDE ANGLE TILT, FLOAT LEVEL CONTROL SWITCHES
ONE (1)	AUTOMATIC SIMPLEX PUMP CONTROL PANEL - NEMA 4X FIBERGLASS ENCLOSURE - THERMAL MAGNETIC CIRCUIT BREAKER FOR EACH PUMP - IEC RATED MAGNETIC CONTACTOR, AMBIENT COMPENSATED THERMAL OVERLOAD RELAY FOR EACH PUMP - INTERNAL MOTOR THERMAL PROTECTION WIRED TO AUTOMATICALLY SHUTDOWN PUMP UPON AN OVERTEMP CONDITION - START CAPACITORS, RUN CAPACITORS, AND START RELAYS AS REQUIRED FOR SINGLE-PHASE APPLICATIONS ONLY - BACKPLATE MOUNTED ALUMINUM ELEVATION BRACKET WITH THE FOLLOWING MOUNTED COMPONENTS: - HAND-OFF-AUTO SELECTOR SWITCH - GREEN PUMP ON INDICATOR LIGHTS - RED SEAL FAILURE INDICATOR LIGHTS - HIGH LEVEL ALARM AUTO-TEST SELECTOR SWITCH - RED FLASHING HIGH-LEVEL ALARM BEACON - HIGH-LEVEL ALARM HORN, RATED FOR 83-85 dB. AUTO RESET. - FUSE FOR PROTECTION OF 120VAC CONTROL CIRCUIT - 250 VOLT RATED TERMINALS FOR FIELD WIRING OF PANEL - EMERGENCY GENERATOR CONNECTION
ONE (1)	OFFICIAL PUMP STATION START UP AND CERTIFICATION BY THE CERTIFIED MANUFACTURER'S REPRESENTATIVE.

RESIDENTIAL
GRINDER PUMP STATION EQUIPMENT LIST
 SCALE: N.T.S.

SS-23

