



VILLAGE OF
L I N C O L N S H I R E

Information Packet

Water and Sewer Utility Site
Inspection



VILLAGE OF
L I N C O L N S H I R E

SITE INSPECTION PAMPHLET

I _____, have received the Village of Lincolnshire water and sewer utility site inspection pamphlet. I have read the pamphlet and understand the information and procedures I am to follow as well as all other Village applicable code.

Signed _____

Date _____

Job site address _____

Village of Lincolnshire
Utilities Division
Site Inspection Pamphlet

Contacts:

Utilities Division – 847-913-2383 (7:00 a.m. – 3:00 p.m.)

Engineering Division – 847-913-2366 (7:00 a.m. – 3:00 p.m.)

Hours of Construction:

Monday-Friday 7:00 a.m. – 7:00 p.m.

Saturdays 8:00 a.m. – 4:00 p.m.

No Sundays or holidays

Any underground utilities installed not during regular inspection hours (7:00 a.m. – 2:30 p.m.) Monday through Friday shall be left exposed in a safe manner until the next business day.

Please note that tickets will be issued for work done outside of the stated hours as well as illegal hydrant usage, illegal cross connections, and debris in the right-of-way and roadways.

ALL INSPECTIONS MUST BE SCHEDULED AT LEAST 24 HOURS IN ADVANCE. ALSO 24 HOURS NOTICE MUST BE GIVEN TO THE UTILITIES DIVISION FOR WATER METER PICK-UPS AND REQUESTS FOR HYDRANT METERS. (PLEASE NOTE THAT THE UTILITIES DIVISION NEEDS APPROXIMATELY 30 DAYS ADVANCE NOTICE BEFORE ORDERING THE DOMESTIC WATER METER AND/OR IRRIGATION METERS.)

The following items require Village inspection and approval. All inspections are conducted on a request basis. It is the responsibility of the contractor to call the Village as well as all permitting agencies and make an appointment for each inspection required.

Sewers:

All applicable exterior sewer pipes and structures shall be inspected by the Utilities Division prior to backfilling. No work shall begin on any sewers until the Village has proper notification prior.

Reminder:

The Village of Lincolnshire requires chimney seals on all sanitary manholes, 8" maximum of adjustment rings, and complete parging of the interior of the sanitary structure.

Water main taps:

All water main taps are to be called into the Village of Lincolnshire's Utilities Division at least 24 hours prior to the tap. The water main core shall be given to the inspector.

All water main taps that require water to be shutdown will only be permitted on Tuesdays, Wednesdays and Thursdays. The contractor conducting the work is required to hand out a construction notice to all residents/ customers affected by the shutdown 24 hours in advance before 8:00 a.m. After water has been restored, a water sample will be taken by utilities staff and sent to a lab to ensure safe water quality. After sample results are received by utilities staff the contractor is required to hand out a boil order lifted notice to all residents/ customers affected.

Water system:

Water mains, service lines, and fire lines are subject to all Village required testing:

Pressure tested for 2 hours at 150psi +- 5psi

Chlorinated and sampled with-in 30 days of passing pressure test

This worked shall be arranged with the Utilities Division.

Reminder:

The Utilities Division requires a substantial flush of the system followed by pressure pre-test of the main or service line. Also all water main is to be poly wrapped unless PVC and all valves greater than 2" are to be installed in 60" valve vaults or larger (excluding hydrants). Please note that any water used on the job site will require the use of a hydrant meter on an in-service hydrant. Hydrant meters can be obtained from Public Works, after contacting the administrative assistant (847-913-2380) to fill out all necessary paper work and should be requested 48 hours prior to the time they are needed. Construction water will only be allowed on new water main or service after above mentioned tests are performed and passed as well as negative sample results. The Utilities Division will activate the water main or service and determine where the hydrant meter shall be setup.

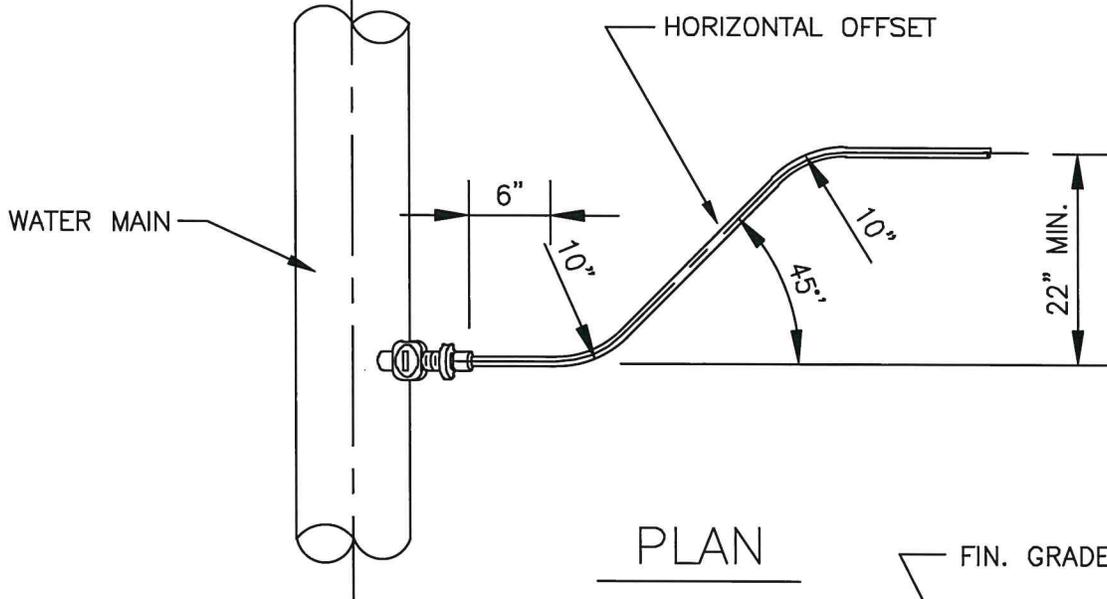
Before the building occupancy is granted, the final punch list (which is prepared by the Utilities Division and submitted to the Village engineer) must be completed and approved by both Divisions. The final inspection will not be performed prior to finished grade i.e. landscaping, paving, etc.

Two complete sets of reproducible "as-built" plans must be prepared and submitted to the Village engineer prior to the final inspection for approval for acceptance.

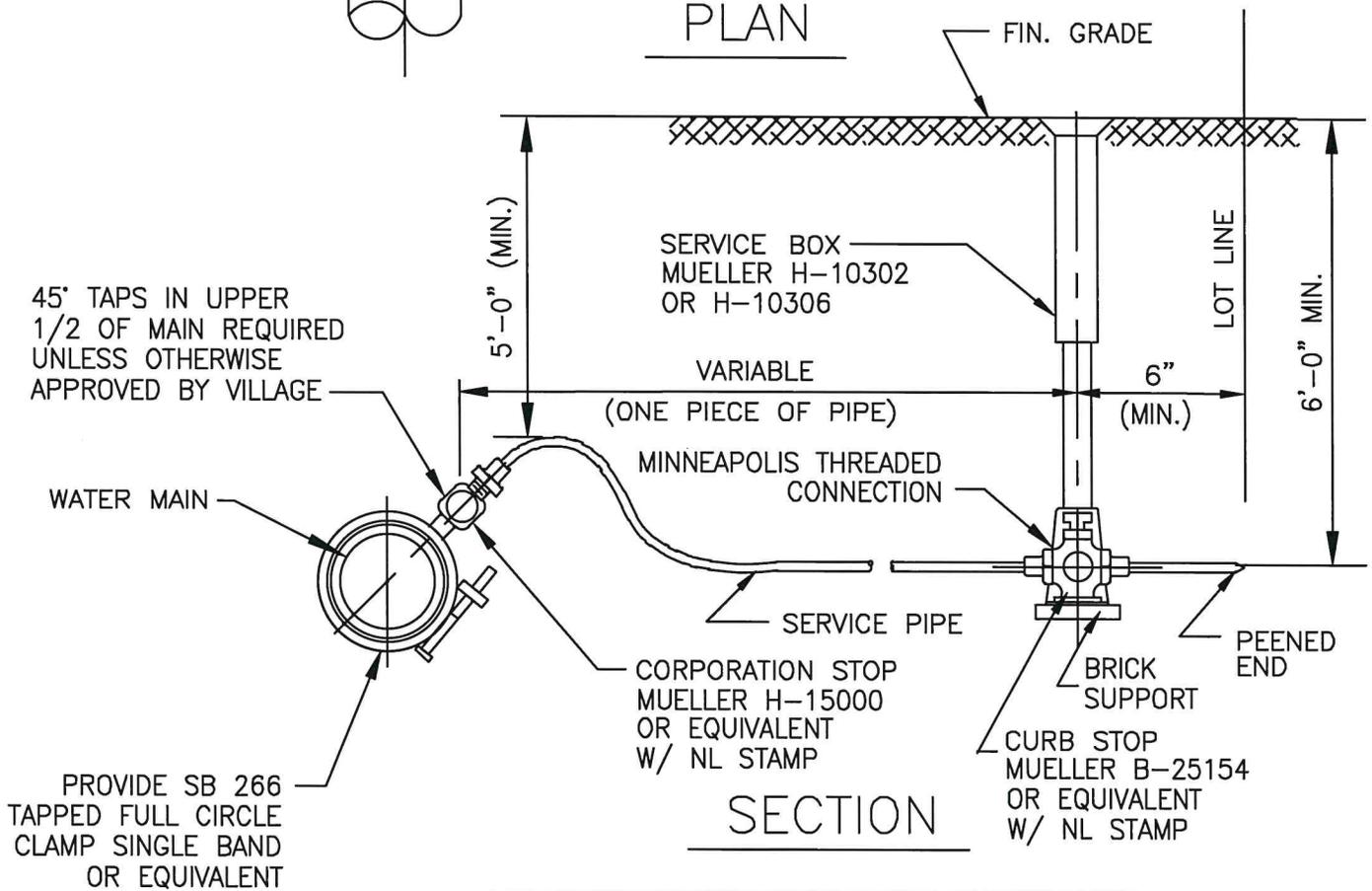
ALL CHANGES to the plans require notification, by the design engineer/site superintendent for approval of change from the Village engineer or authorized personnel.

It shall be the contractor's responsibility to comply with laws, rules, standards, and regulations and to complete the construction in accordance with the requirements and practices of the Village of Lincolnshire, whether implicitly or explicitly shown on the drawings or permits.

Your cooperation and understanding of these procedures and processes help speed up inspection times and also ensure proper installation of Utilities, as well as construction time lines and deadlines caused by improper scheduling, installation and multiple re-inspections.



PLAN



SECTION

SERVICE PIPE	CORP. STOP	CURB STOP	SERVICE BOX
3/4"	3/4"	3/4"	1 1/2"
1"	1"	1"	1 1/2"
1 1/2"	1 1/2"	1 1/2"	2"
2"	2"	2"	2"



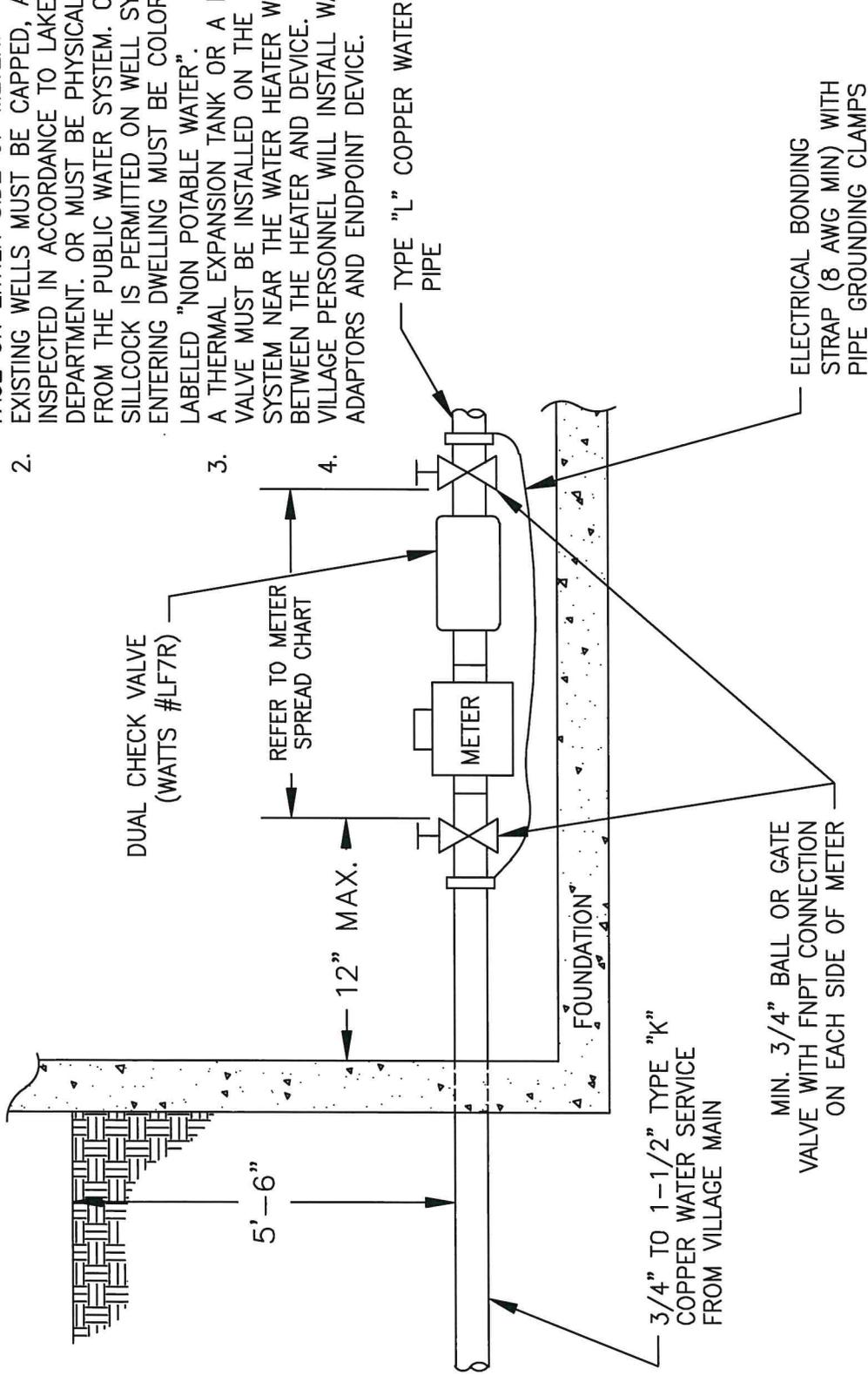
VILLAGE OF
LINCOLNSHIRE
PUBLIC WORKS DEPARTMENT

WATER SERVICE INSTALLATION

DESIGNED BY	SCALE NONE
DRAWN BY B&W	PROJECT NO. 180900
CHECKED BY	SHEET NO.
DATE MAR. 2020	F-13

NOTES:

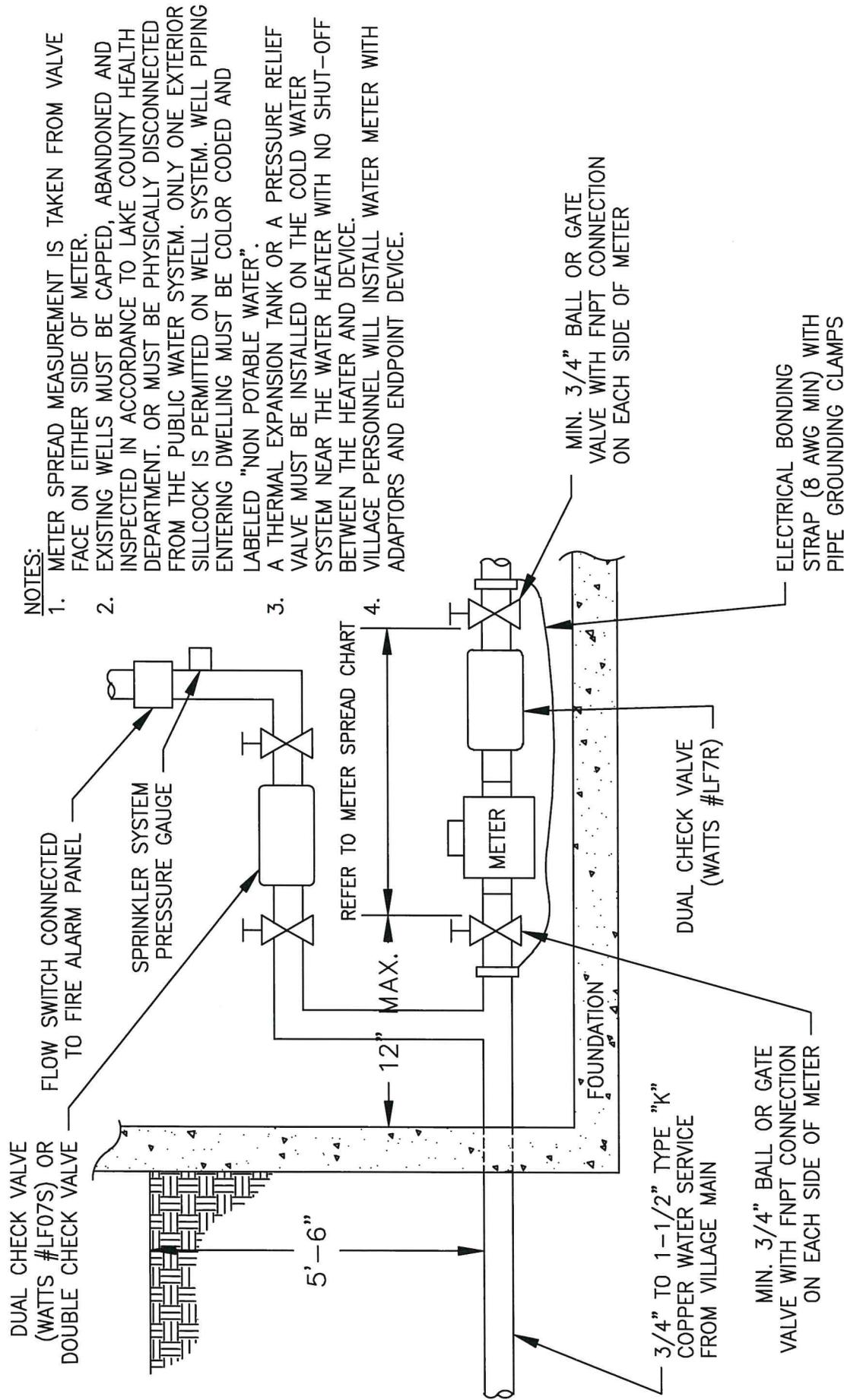
1. METER SPREAD MEASUREMENT IS TAKEN FROM VALVE FACE ON EITHER SIDE OF METER.
2. EXISTING WELLS MUST BE CAPPED, ABANDONED AND INSPECTED IN ACCORDANCE TO LAKE COUNTY HEALTH DEPARTMENT. OR MUST BE PHYSICALLY DISCONNECTED FROM THE PUBLIC WATER SYSTEM. ONLY ONE EXTERIOR SILLCOCK IS PERMITTED ON WELL SYSTEM. WELL PIPING ENTERING DWELLING MUST BE COLOR CODED AND LABELED "NON POTABLE WATER".
3. A THERMAL EXPANSION TANK OR A PRESSURE RELIEF VALVE MUST BE INSTALLED ON THE COLD WATER SYSTEM NEAR THE WATER HEATER WITH NO SHUT-OFF BETWEEN THE HEATER AND DEVICE.
4. VILLAGE PERSONNEL WILL INSTALL WATER METER WITH ADAPTORS AND ENDPOINT DEVICE.



RESIDENTIAL WATER METER SYSTEM

DESIGNED BY	SCALE	NONE
DRAWN BY	PROJECT NO.	180900
CHECKED BY	SHEET NO.	
DATE	MAR. 2020	
		F-14

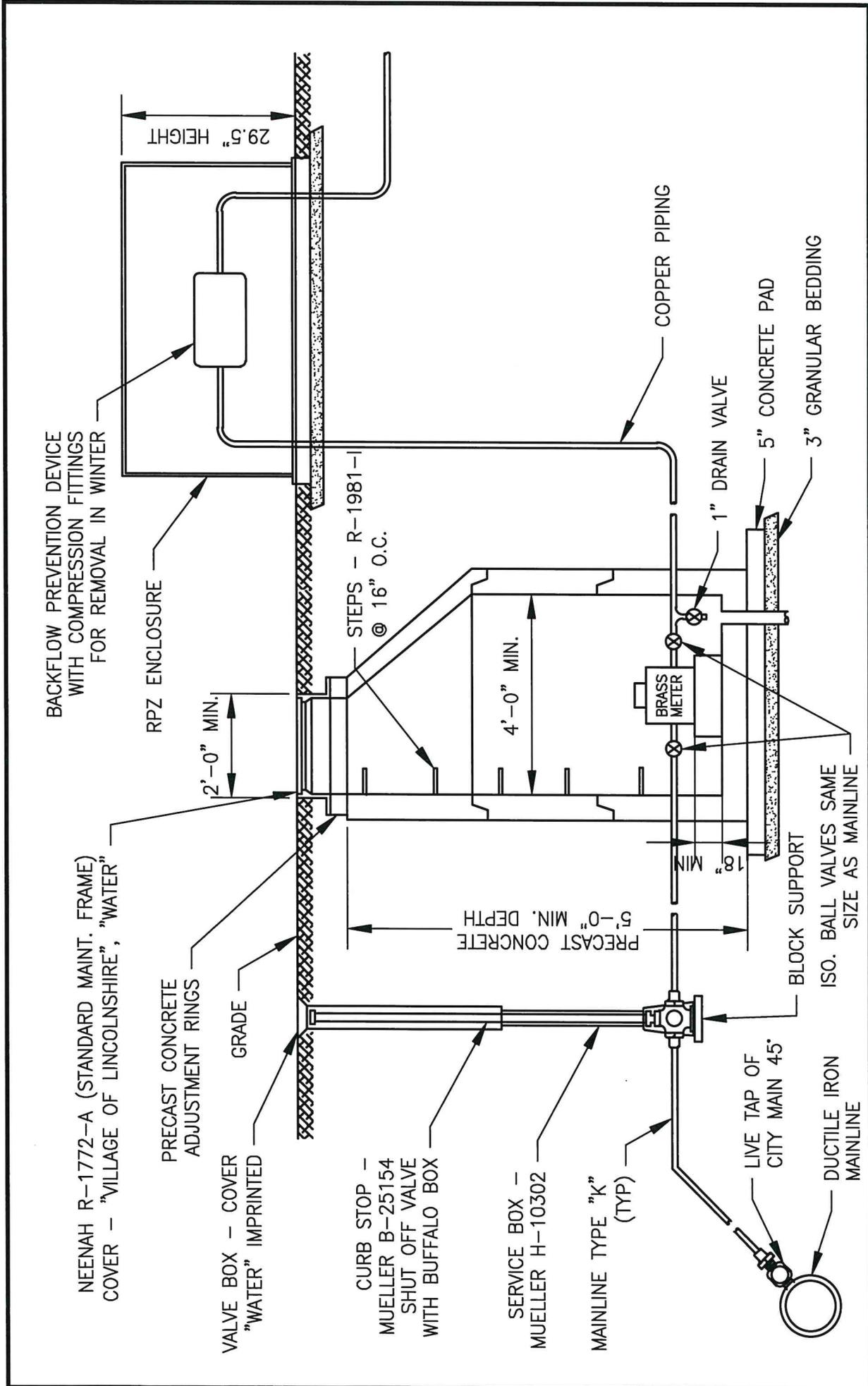




DESIGNED BY	SCALE	NONE
DRAWN BY	PROJECT NO.	180900
CHECKED BY	SHEET NO.	
DATE		
MAR. 2020		

RESIDENTIAL WATER METER AND SPRINKLER SYSTEM





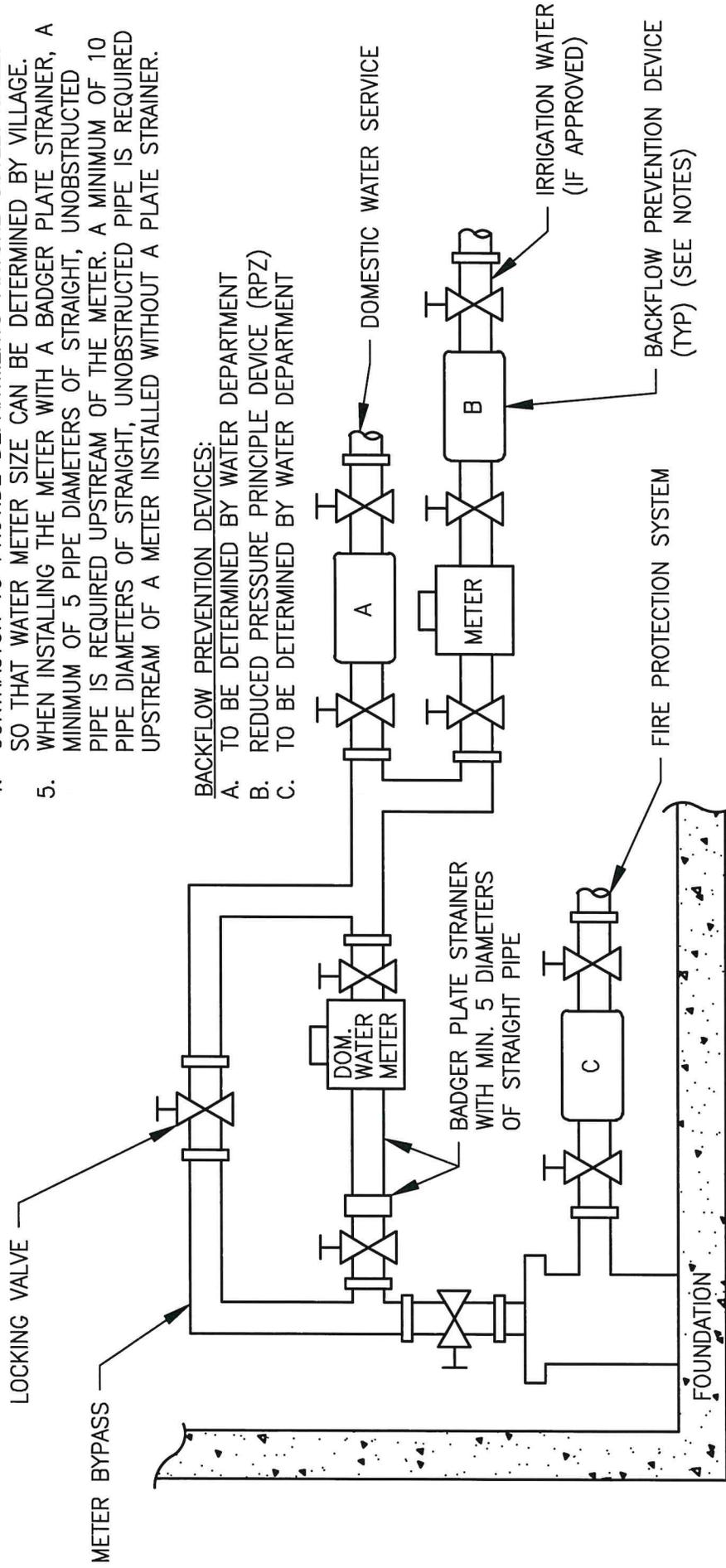
DESIGNED BY	SCALE	NONE
DRAWN BY	PROJECT NO.	B&W 180900
CHECKED BY	SHEET NO.	
DATE		
MAR. 2020		

IRRIGATION METER DETAIL

VILLAGE OF
LINCOLNSHIRE
PUBLIC WORKS DEPARTMENT

NOTES:

1. CONTRACTOR WILL INSTALL WATER METER WITH ADAPTORS.
2. WATER METER TO BE INSTALLED HORIZONTALLY ONLY.
3. DOMESTIC WATER METER BYPASS REQUIRED ON 2" METERS OR LARGER. METER BYPASS PIPING MUST BE AT LEAST HALF THE DIAMETER OF THE DOMESTIC SERVICE.
4. CONTRACTOR TO PROVIDE DEPARTMENTS FIXTURE OUTLET SHEET SO THAT WATER METER SIZE CAN BE DETERMINED BY VILLAGE.
5. WHEN INSTALLING THE METER WITH A BADGER PLATE STRAINER, A MINIMUM OF 5 PIPE DIAMETERS OF STRAIGHT, UNOBSTRUCTED PIPE IS REQUIRED UPSTREAM OF THE METER. A MINIMUM OF 10 PIPE DIAMETERS OF STRAIGHT, UNOBSTRUCTED PIPE IS REQUIRED UPSTREAM OF A METER INSTALLED WITHOUT A PLATE STRAINER.



BACKFLOW PREVENTION DEVICES:

- A. TO BE DETERMINED BY WATER DEPARTMENT
- B. REDUCED PRESSURE PRINCIPLE DEVICE (RPZ)
- C. TO BE DETERMINED BY WATER DEPARTMENT

DESIGNED BY	SCALE	NONE
DRAWN BY	PROJECT NO.	B&W 180900
CHECKED BY	SHEET NO.	
DATE		
MAR. 2020		F-17

WATER METER SIZING FORM

Applicant: _____

Date: _____

Address: _____

Phone: _____

	Illinois Plumbing Code - April 2014	Fixture Units		# of Fixture		Fixture Count	
FIXTURE TYPES AND COUNTS	Bathtub-Private	2	X		=		
	Bathtub-Public	4	X		=		
	Shower Head - Private	2	X		=		
	Shower Head - Public	3	X		=		
	Water Closet - Private/Public, Tank Type	3	X		=		
	Water Closet - Private/Public, Flush Valve	10	X		=		
	Bidet Toilet	2	X		=		
	Urinal - 3/4" Flush Valve	5	X		=		
	Urinal - 1" Flush Valve	10	X		=		
	Urinal - Tank Type	3	X		=		
	Lavatory - Private	1	X		=		
	Lavatory - Public	2	X		=		
	Kitchen Sink - Private	2	X		=		
	Kitchen Sink - Public	4	X		=		
	Laundry Tray - Private	3	X		=		
	Service Sink/Laundry Tray	3	X		=		
	Dish Washing Machine - Private	1	X		=		
	Laundry Washing Machine - 8# Private	2	X		=		
	Laundry Washing Machine - 8# - 16# Public	4	X		=		
	Hose Bibb - 1/2" WashDown	2	X		=		
	Hose Bibb - 3/4" WashDown	4	X		=		
	Other Fixture Description & Values						
	Bar Sink	2	X		=		
	Dental Unit (Cuspidor)	1	X		=		
	Drinking Fountain - 3/8" Valve	0.5	X		=		
Ice Maker (Residential and Commercial)	1	X		=			
		X		=			
		X		=			
REFERENCE WATER METER SIZE				Initial Fixture Count:			
Gallons per Minute (GPM) : Maximum Fixture Value (FV)				Additional GPM (FV):			
				(Add additional GPM) from irrigation systems, special equipment or other sources on this meter			
				TOTAL FIXTURE VALUE (FV):			
				AWWA M22 Reference (GPM)			

Comment:

REFER TO ILLINOIS PLUMBING CODE FOR:
 WATER SERVICE SIZE (Appendix A table N or O)
 MAXIMUM DFU (Appendix A table G)

IRRIGATION SYSTEM DATA (Rotary or Spray)
 Total number of irrigation zones =
 Average number of heads per zone =
 Total number of irrigation zones running at the same time =

VILLAGE OF LINCOLNSHIRE WATER DEPARTMENT

METER SPREAD INFORMATION CHART

METER SIZE	LENGTH FLANGE TO FLANGE	METER SPREAD
3/4" METER (M25,M35)	* 12 3/4" (7 1/2")	11 3/4"
1" METER (M55,M70)	* 16" (10 3/4")	15"
1.5" Elliptical Long (M120)	13"	14"
2" METER	17"	18"
3" METER	17"	18"
4" METER	24"	25"
6" METER	24"	25"

* DENOTES METER LENGTH PLUS THREADED ADAPTERS

METER SPREAD - Is the open air distance between FNPT adaptors for meter
With adaptor installation.