

Village of Goshen Standard Specifications and Requirements:

Water Service:

Minimum ¾" K Copper, 100ft with no joints

Ball Style Curb Valve, Full Port, No Drain: Mueller B25209N

Ball Style Main Corp: Mueller B25008N

Unions- Mueller H-15403

Curb Box- Arch Pattern, Cast Iron/Steel Erie #2 (Mueller H10314)-with stainless rod and pin or Buffalo Style (General Foundry's I-94E) with brass or bronze Pentagonal Bolt, installed withing 10 feet of the roadway.

Meter pits subject to approval by Village

Water Main and Appurtenances:

Fire Hydrant- Mueller Super Centurion A423, Red, Open Left, Manufacturer Installed Storz Pumper Connection

Water Main Valve- Minimum 6", Epoxy Coated Resilient Wedge, Open Left, All Stainless Bolts, 2" Square Operating Nut as manufactured by Mueller or Clow.

Joint Restraint: Romac Grip Ring, MJ Fieldlok, Fieldlok

All bolts including Standard T and anti-rotational bolts are to be Cor-Blue or Stainless due to local aggressive Soils

Water Main Cement Lined Class 52 Ductile

Valve Box- 2 Piece Domestic

Tapping Saddles are to be stainless wrap around band style with stainless bolts with MJ Connection.

Blow off valves are discouraged in favor of standard hydrants at dead end and high points.

Leak Testing and Disinfection is to be specified.

Temporary Pressure Testing and Disinfection taps shall be removed and capped at the main.

Fire Sprinkler/ Backflow Prevention:

Detector Check Assembly with Meter required on Fire Sprinkler

All Backflow Prevention to be submitted to Orange County Department of Health on form DOH-347

Sewer Main and Laterals:

Sewer Pipe- minimum 4" SDR35, O-ring.

Manholes/ Frames- minimum 26" Domestic- EJ Iron: Cover 1203A, Frame 1207Z1 or equivalent with "SANITARY" cast thereon.

Lateral connection to Existing Piping including size/material transitions: Shielded Fernco

Lateral Taps to Main- Insert-a-tee

Drops: Exterior

Leak Testing of Mains and Manholes is to be specified.

Curbs:

20" Deep by 6" Wide with batter, 4000 psi concrete

Drop Curbs are to have a minimum of 1" reveal above finished Road Surface.

Curbs are to be poured independently, No integral curbs/sidewalks

Expansion Joints of ½" Preformed Bituminous Cellulose Board Placed at 20' Intervals

Sidewalks:

Minimum 5' Width

Minimum 4" Thick, 4000 psi concrete, 6X6 wire mesh reinforcement

Broom Finish

Bituminous expansion material with tear-off cap between expansion joints, ½" below surface, filled to surface with color matching flowable joint sealant, frequency to match adjoining and a maximum of every 20 feet.

Tooled contraction control joints ½" below surface, frequency to match adjoining and a maximum of every 5 feet.

Base of 8" of Item #4.

Ramps, slope and cross slope to meet ADA requirements.

Cast in place tactile warning pads- Reinforced polymer, color: brick - or- cast iron

Village Owned/ Specified Period Streetlighting:

Mel Northey- Washington Series: 4671 - 12' overall height, LED Lights, Grounding Lug Welded to base

Minimum 1" PVC Conduit

Electrical Disconnect

Traffic Signage

Galvanized u-channel top post-3 lbs. Per linear foot.

4' driven or concreted bottom post with breakaway.

Minimum 7' to bottom of sign, edge of sign minimum of two feet from the road

Street Sign: Sign-, 9"-.091-gauge extruded aluminum -D/F-Black on White (Village Owned), Blue (Private)-No Holes, Village Logo

Top post and sign to sign adapters are to be 360-degree swivel style, 12" cast aluminum with stainless set screws.

All fasteners are to be stainless steel with hexagonal bolts and NY-LOCK style nuts.

All signs are to be HIP reflectivity.

Water Meters:

All Water meters are to be purchased from the Village of Goshen and will be owned and maintained by the Village.

Each Housing Unit, Tenant Space, Storefront, etc. is to be independently master-metered.

Meters greater than 1" shall have 5 pipe straight diameters both before and after meter.

Meters to be set horizontally

Meter Pits: Meter Pit Cover Frames shall be of cast iron sized to fit a standard 18" HPDE culvert. Lids are to be locking- pentagon nut style made of polymer and drilled for a Badger meter antenna. The total assembly is to be installed 4 feet deep and buried/graded so that the lid is flush with the final grade.

Meter pit lids are to be a minimum of 11" in diameter. The culvert shall be notched at the base for the water service penetration. The premanufactured meter yoke is to be of type K copper, 27" tall with a brass angle stop and an angle check. The yoke is to be sized for the length of meter to be used. The yoke is to be centered and stabilized with a 1" capped PVC pipe penetrating through the culvert then secured with a minimum of two nylon wire ties to that pipe. All fittings and piping are to be NL-No Lead.

Meter pits are to be installed within 10 feet of the curb and within 5' feet of the curbstand.

Construction Management/Permits:

All Construction is subject to Village Road Opening and Excavation Permits

All Submittals for Materials to be installed are to be reviewed by the Village Engineer and Superintendent of Public Works.

All discharges are to be reviewed for pretreatment and Industrial Sewage Permitting Requirements.

All Proposed Water usage/Sewage Flows are to be reviewed against capacity and currently committed allocations.