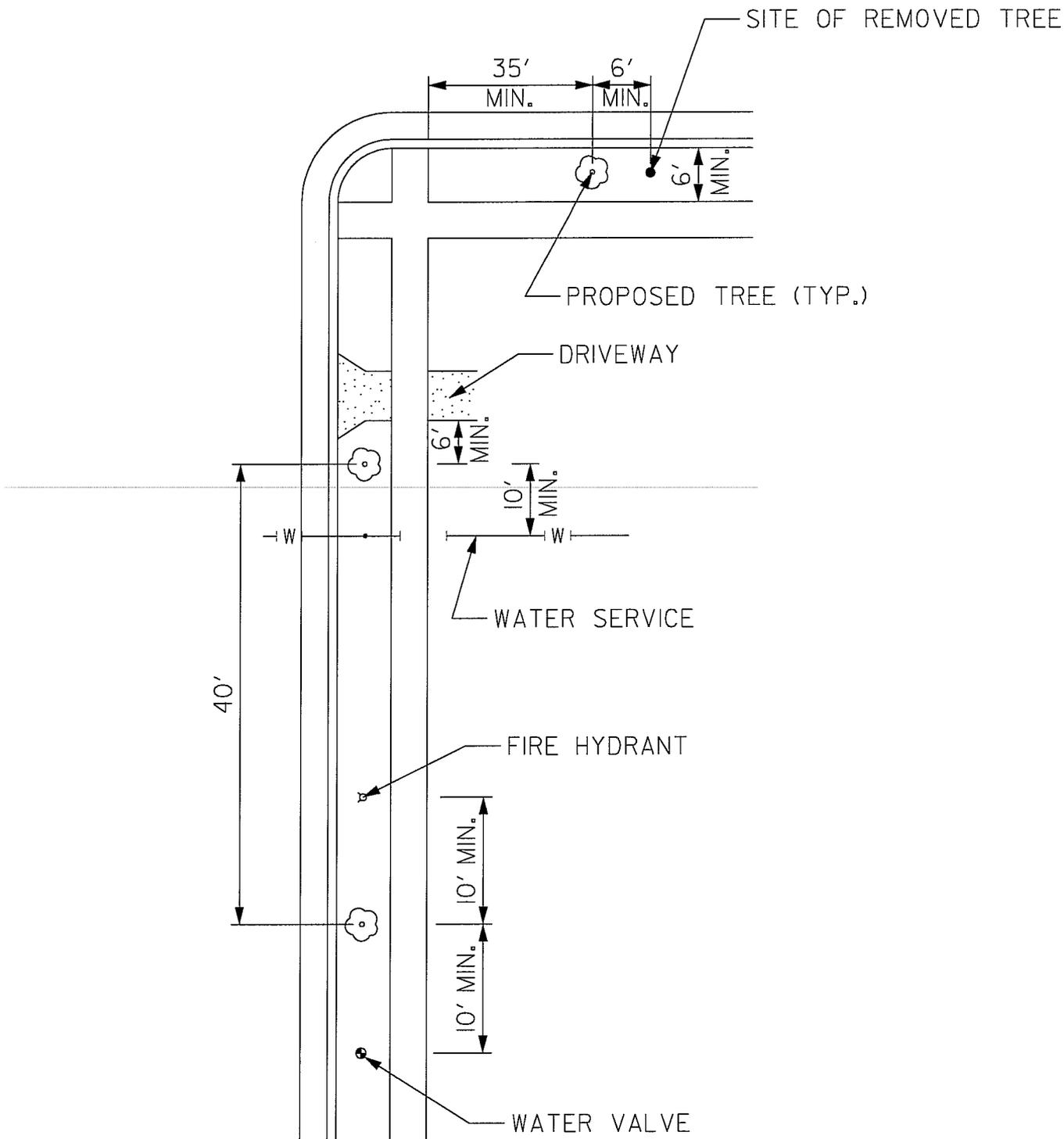


TEXT



VILLAGE OF OAK LAWN  
STANDARD DETAIL

TREE LOCATION  
RESTRICTIONS  
DATE: DEC 2009



## VILLAGE OF OAK LAWN

### LIST OF ALLOWABLE TREES IN NON-HEIGHT RESTRICTED PARKWAYS

COMMON NAME	BOTANICAL NAME	MAXIMUM HEIGHT (FEET)
BALD CYPRESS	TAXODIUM DISTICHUM	50-70
ELM (DED RESISTANT CULTIVAR)	ULMUS	40-60
GINGKO (MALE ONLY)	GINGKO BILOBA	50-80
HACKBERRY	CELTIS OCCIDENTALIS	40-60
KENTUCKY COFFEE TREE	GYMNOCLADUS DIOICUS	40-60
AMERICAN LINDEN	TILIA AMERICANA	40-80
LITTLELEAF LINDEN	TILIA CORDATA	35-60
BURR OAK	QUERCUS MACROCARPA	70-80
CHINKAPIN OAK	QUERCUS MUEHLENGERGII	40-50
RED OAK	QUERCUS RUBRA	60-80
SWAMP WHITE OAK	QUERCUS BICOLOR	50-60
AMERICAN HOPHORNBEAN	OSTRYA VIRGINIANA	25-40
PEKING LILAC	SYRINGA PEKINENSIS	20-30
HEDGE MAPLE	ACER CAMPESTRE	25-35
MIYABE MAPLE	ACER MIYABEI	30-40
FLOWERING PEAR	PYRUS CALLERYANA	30-50

### LIST OF ALLOWABLE TREES IN HEIGHT RESTRICTED PARKWAYS

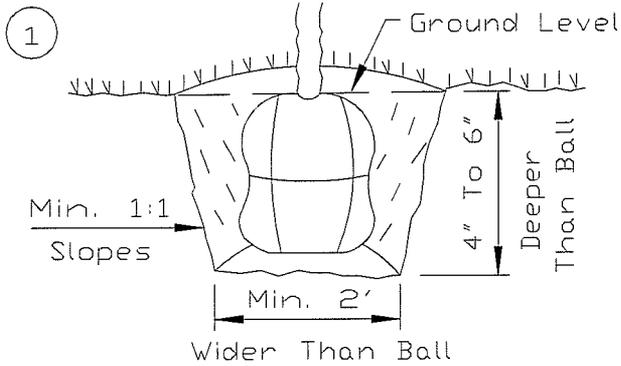
COMMON NAME	BOTANICAL NAME	MAXIMUM HEIGHT (FEET)
BLUE BEECH	CARPINUS CAROLINIANA	20-30
FLOWERING CRABAPPLE	MALUS SPP.	15-20
JAPANESE SILK LILAC	SYRINGA RETICULATA	20-25
SERVICEBERRY	AMELANCHIER ARBOREA	15-25

VILLAGE OF OAK LAWN  
STANDARD DETAIL

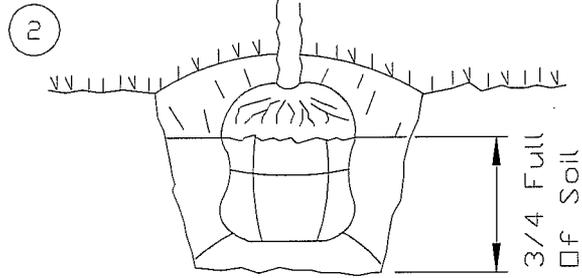
APPROVED PARKWAY  
TREE LIST

DATE: DEC 2009

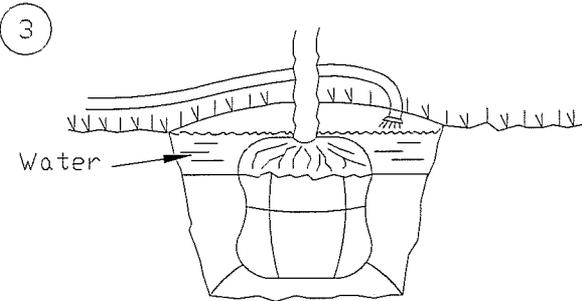
# PLANTING PROCEDURE FOR BALLED AND BURLAPPED OR CONTAINER GROWN TREES AND SHRUBS



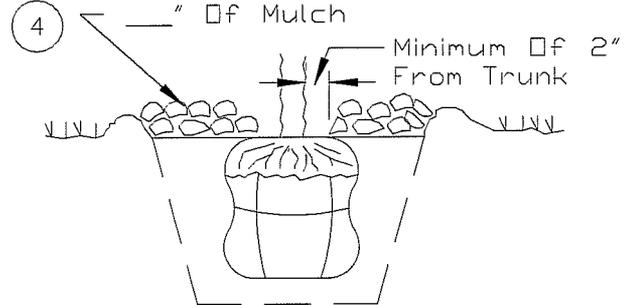
Add enough tamped soil in the bottom of the hole to set the ball at or slightly higher than the original planting depth.



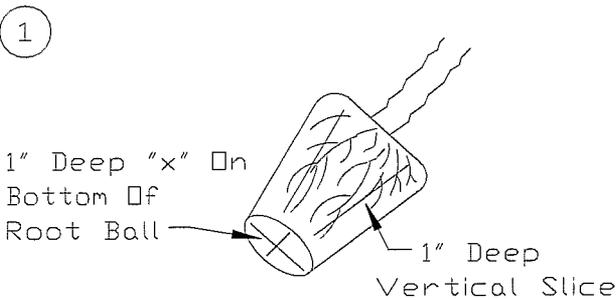
Fill the hole 3/4 full of tamped soil then remove all exposed burlap and twine using a sharp utility knife.



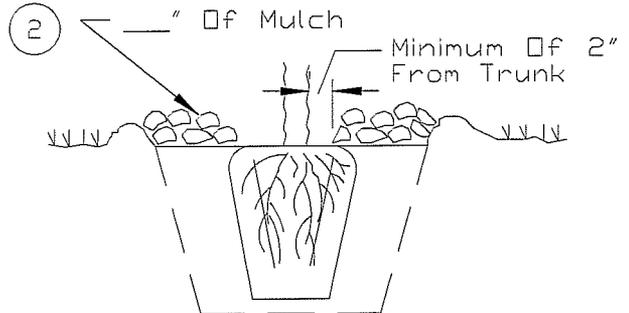
Fill the remaining 1/4 of the hole with water to remove air pockets and settle the soil. Finish filling the hole with soil after all the water has drained.



Unless soil is poorly drained, mound soil around edges of hole 4" to 6" high. Add a minimum of 4" of approved mulching material. Keep mulch about 2" from tree trunk.



Cut the circling roots of container grown trees with a sharp utility knife. Make 4 vertical slices on the sides and an "x" on the bottom. All slices should be 1-inch in depth.

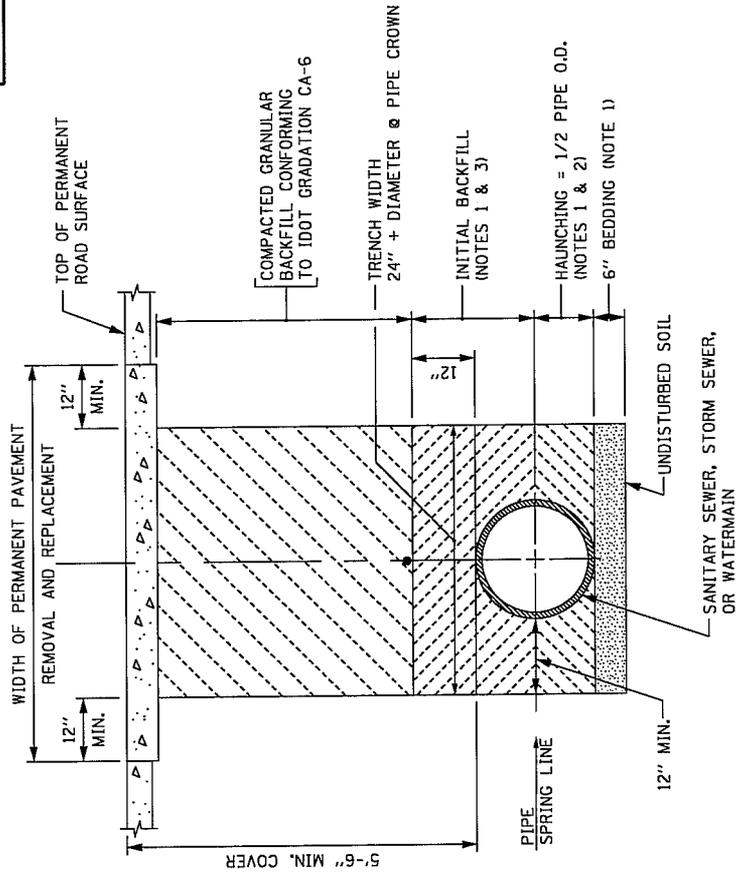


Plant container-grown trees using same steps as for B & B trees except that the plastic container should be completely removed.

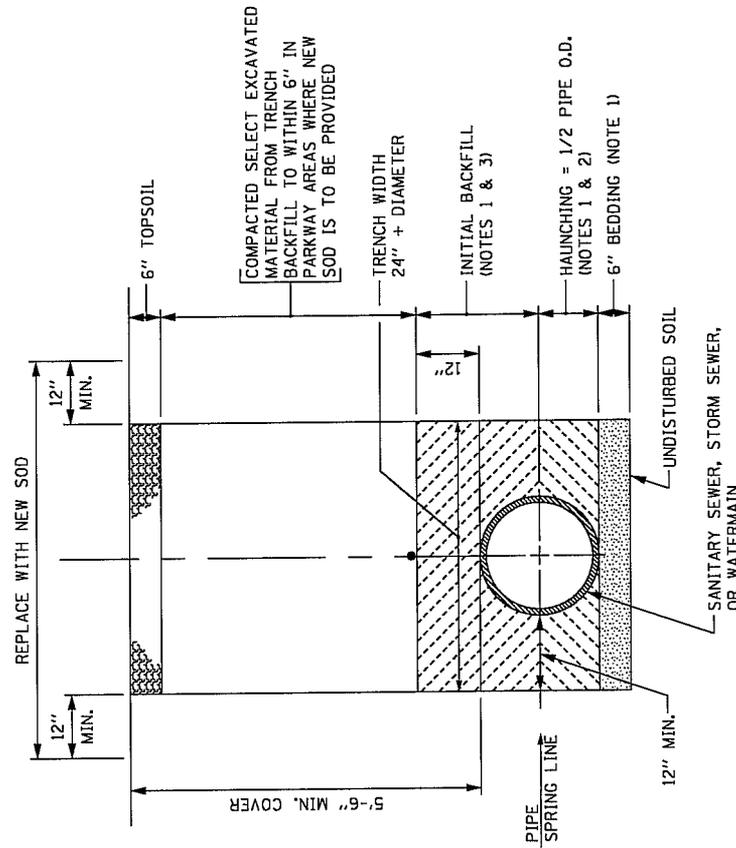
**VILLAGE OF OAK LAWN  
STANDARD DETAIL**

**TREE PLANTING  
PROCEDURES  
DATE: DEC 2009**

UTIL-1



**WITHIN PAVED AREAS**

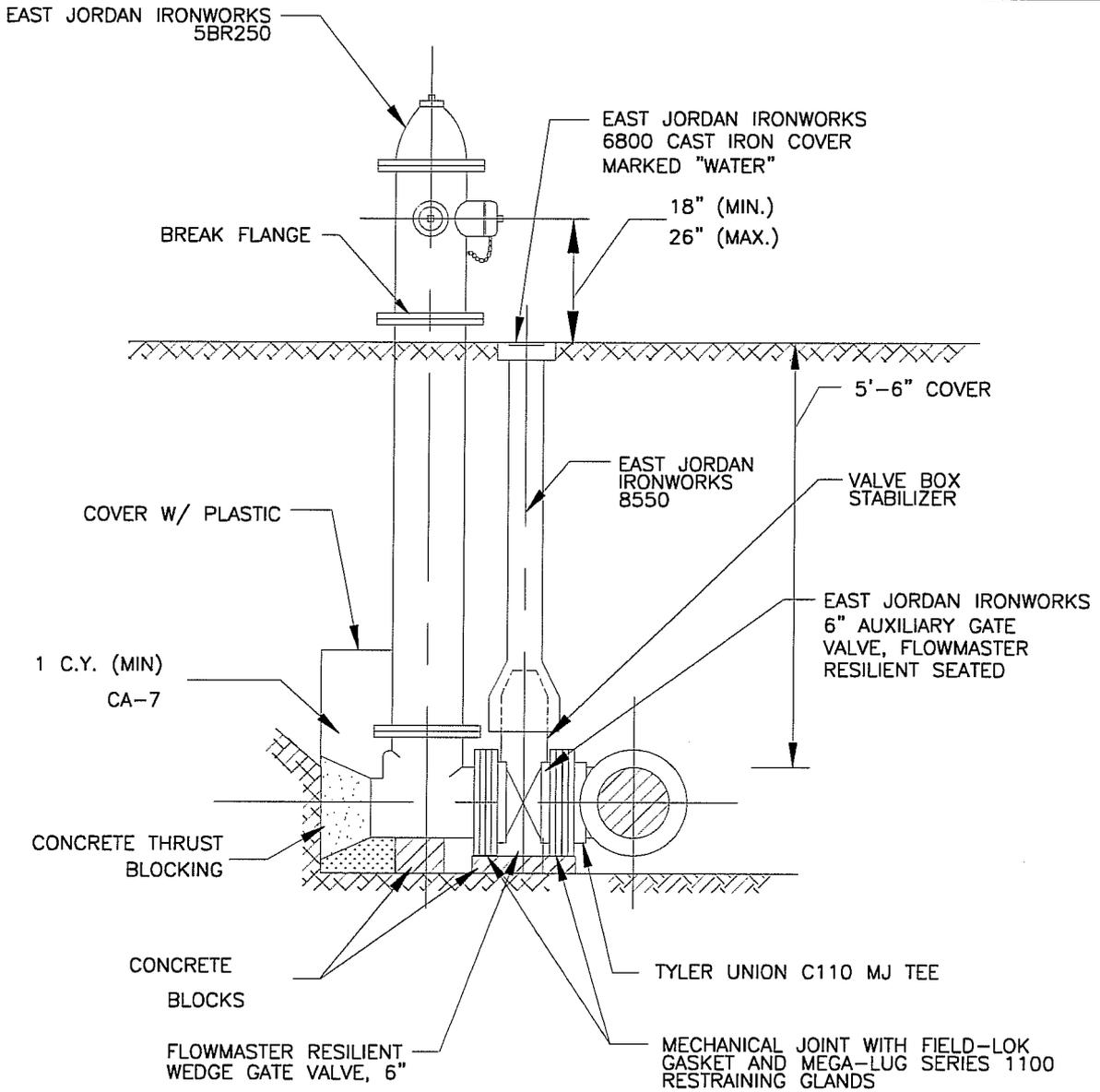


**WITHIN PARKWAY AREAS**

VILLAGE OF OAK LAWN  
STANDARD DETAIL

TYPICAL TRENCH BACKFILL  
DETAILS FOR NEW PUBLIC  
UTILITIES  
DATE: DEC 2009





NO SCALE

NOTES:

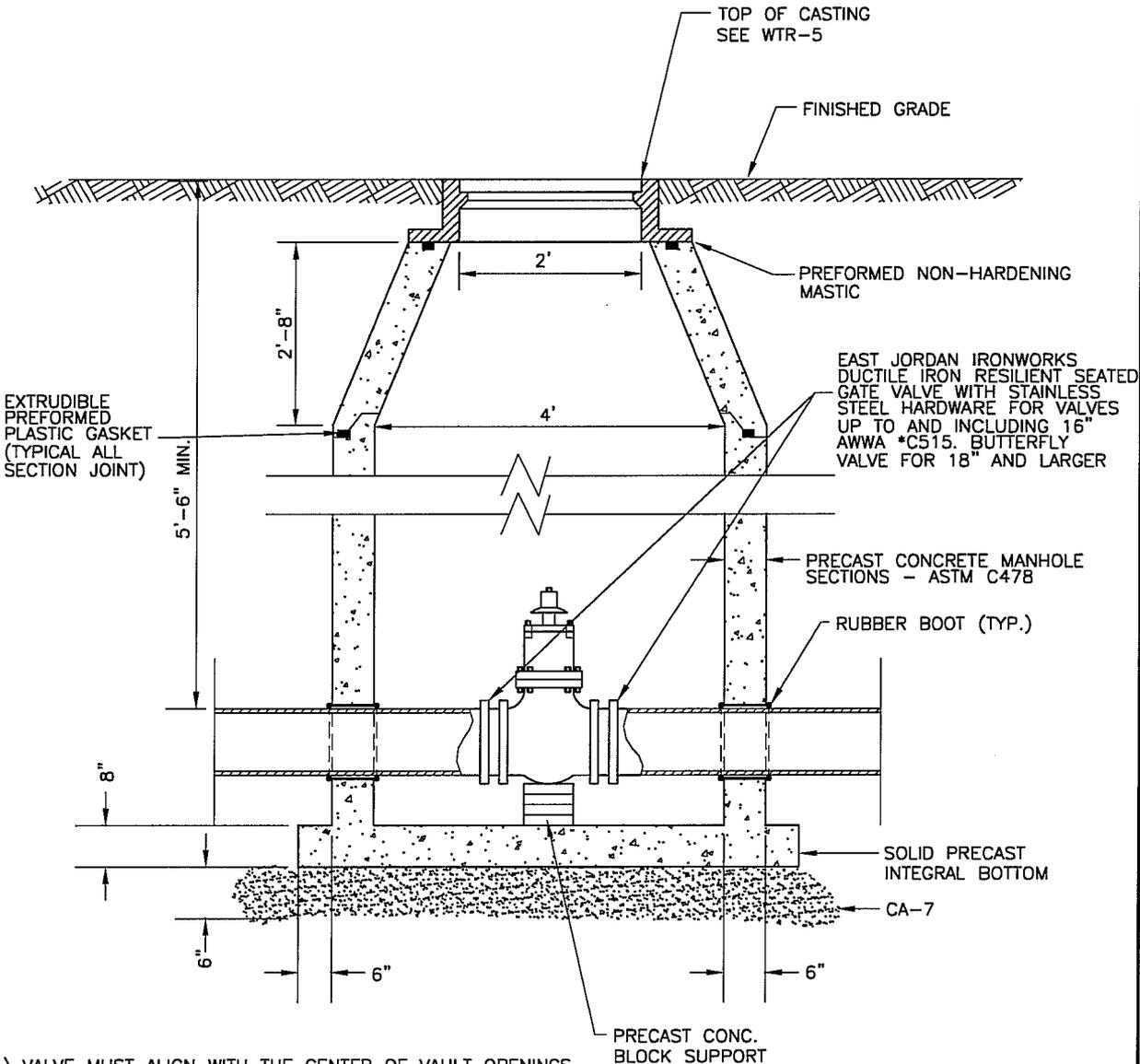
1. ALL BOLTS & NUTS BELOW GRADE ON FIRE HYDRANT SHALL BE STAINLESS STEEL.
2. ALL BOLTS & NUTS ON AUXILIARY VALVE SEAL PLATE AND BONNET SHALL BE STAINLESS STEEL.
3. THRUST BLOCKING SHALL BE CONSTRUCTED SO HYDRANT DRAIN HOLE IS NOT OBSTRUCTED.
4. HYDRANT SHALL BE PAINTED ACE BRAND RUST STOP SAFETY RED.
5. HYDRANT TO HAVE 4.5 INCH (1) HOSE CONNECTION AND 2.5 INCH (2) HOSE CONNECTIONS.
6. VALVE BOX STABILIZERS SHALL BE ALBERCO BRAND (PLASTIC) FOR PARKWAYS; CARSON BRANKS (RUBBER) FOR ROADWAYS

VILLAGE OF OAK LAWN  
STANDARD DETAIL

FIRE HYDRANT  
DATE: DEC 2009



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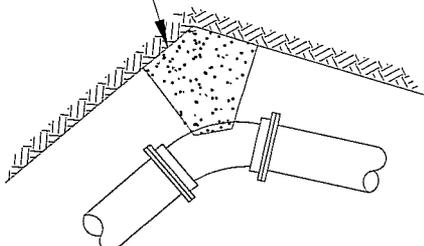
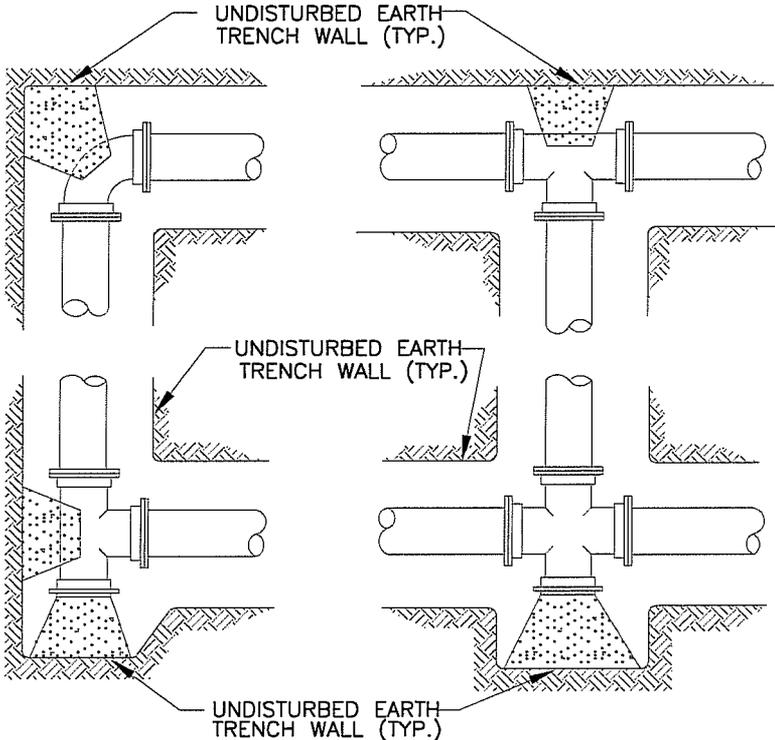


- 1) VALVE MUST ALIGN WITH THE CENTER OF VAULT OPENINGS.
  - 2) CONES MUST BE CONCENTRIC WITH VALVES 12" AND SMALLER.
  - 3) BUTTERFLY VALVES AND PRESSURE TAP VALVES REQUIRE ECCENTRIC CONES.
  - 4) WHEN ADJUSTMENTS ARE NECESSARY, THEY SHALL BE PERFORMED WITH A MAXIMUM OF TWO (2) PRECAST CONCRETE RINGS SET IN A BED OF PREFORMED NON-HARDENING MASTIC MATERIAL( CONSEAL CS-102B, OR APPROVED EQUAL) TO A MAXIMUM HEIGHT OF 12".
  - 5) MANHOLE STEPS SHALL BE AT 16" O.C. COPOLYMER POLYPROPYLENE PLASTIC WITH CONTINUOUS 1/2" STEEL REINFORCEMENT BY M.A. INDUSTRIES, INC. OR APPROVED EQUAL.
  - 6) DURATION SAC-NUTS SHALL BE USED ON 50% OF ALL BOLTS.
  - 7) ALL HARDWARE SHALL BE STAINLESS STEEL.
  - 8) USE 4'-0" DIAMETER FOR WATER MAIN SIZES 8" OR LESS,  
USE 5'-0" DIAMETER FOR WATER MAIN SIZES 10" THRU 20",  
USE 6'-0" DIAMETER FOR WATER MAIN SIZES GREATER THAN 20".
- BUTTERFLY VALVES SHALL:
- 9) HAVE A CAST IRON BODY, AND BE RUBBER-SEATED, TIGHT-CLOSING TYPE SUITABLE FOR BURIED SERVICE.
  - 10) HAVE ANSI CLASS 125 STANDARD FLANGE OR VICTAULIC COUPLING ENDS.
  - 11) HAVE VALVE SHAFT OF EITHER 18-8 OR TYPE 304 STAINLESS STEEL, EXTENDED THROUGH VALVE DISC AND BODY INTO OPERATOR.
  - 12) HAVE A FULLY ENCLOSED, SEALED, GREASE-PACKED INTEGRAL GEARED MANUAL OPERATOR WITH A 2-INCH SQUARE OPERATING NUT.

VILLAGE OF OAK LAWN  
STANDARD DETAIL  
  
VALVE VAULT  
DATE: DEC 2009

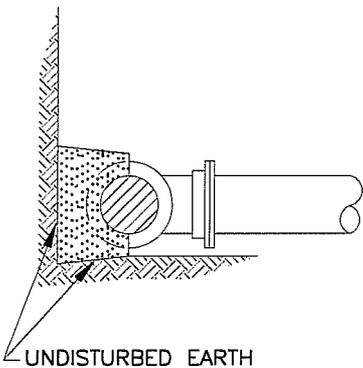


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PLANS

NO SCALE



SECTION

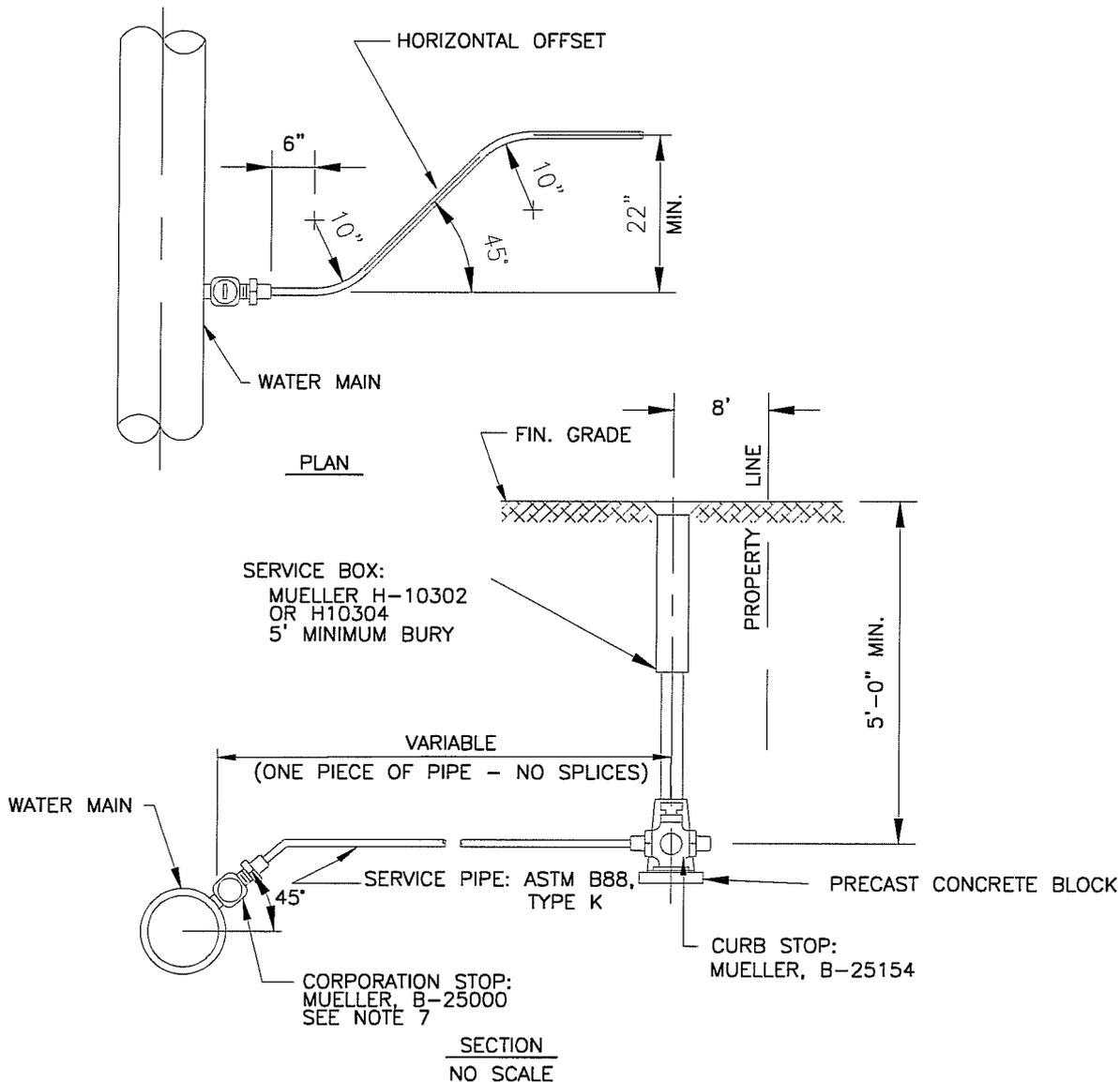
NOTES

1. PROVIDE PRECAST OR CAST-IN-PLACE IDOT CLASS SI CONCRETE THRUST BLOCKS OF ADEQUATE SIZE AND THRUST BEARING SURFACE TO PREVENT MOVEMENT OF PIPELINE UNDER PRESSURE.
2. PLACE THE BASE AND THRUST BEARING SIDES OF THRUST BLOCK DIRECTLY AGAINST UNDISTURBED EARTH.
3. PLACE THRUST BLOCKING SO THE FITTING JOINTS WILL BE ACCESSIBLE FOR REPAIR.
4. ALL FITTINGS SHALL HAVE MECHANICAL JOINTS WITH MEGA-LUG RETAINER GLANDS BY EBAA IRON, AND DURATRON SAC-NUTS ON 50% OF ALL BOLTS.

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VILLAGE OF OAK LAWN  
 STANDARD DETAIL  
 THRUST BLOCK  
 INSTALLATIONS  
 DATE: DEC 2009





**NOTES:**

1. TRENCH BACKFILL SHALL BE INSTALLED PER WATER MAIN INSTALLATION DETAIL.
2. PLACE AND HAND-TAMP AT LEAST 1/4 CUBIC YARDS OF SAND AROUND CORPORATION STOP.
3. MINIMUM DISTANCE BETWEEN SERVICE TAPS SHALL BE 18 INCHES.
4. MINIMUM RESIDENTIAL SERVICE DIAMETER SHALL BE 1".
5. SERVICES SHALL NOT BE LOCATED WITHIN DRIVEWAYS.
6. ALL SERVICES TO BE ABANDONED OR RELOCATED SHALL BE CLOSED AT THE CORP STOP AND RE-TAPPED.
7. DIRECT CONNECTION IS ALLOWED FOR 1" TAP ONTO 6"-8" DIAMETER WATER MAINS ONLY. TAPS ONTO MAINS LARGER THAN 8" DIAMETER REQUIRE THE USE OF A FULL CIRCLE STAINLESS STEEL CLAMP, MUELLER TYPE.
8. ALL WATER SERVICE CONNECTIONS SHALL USE FLARED FITTINGS ONLY.

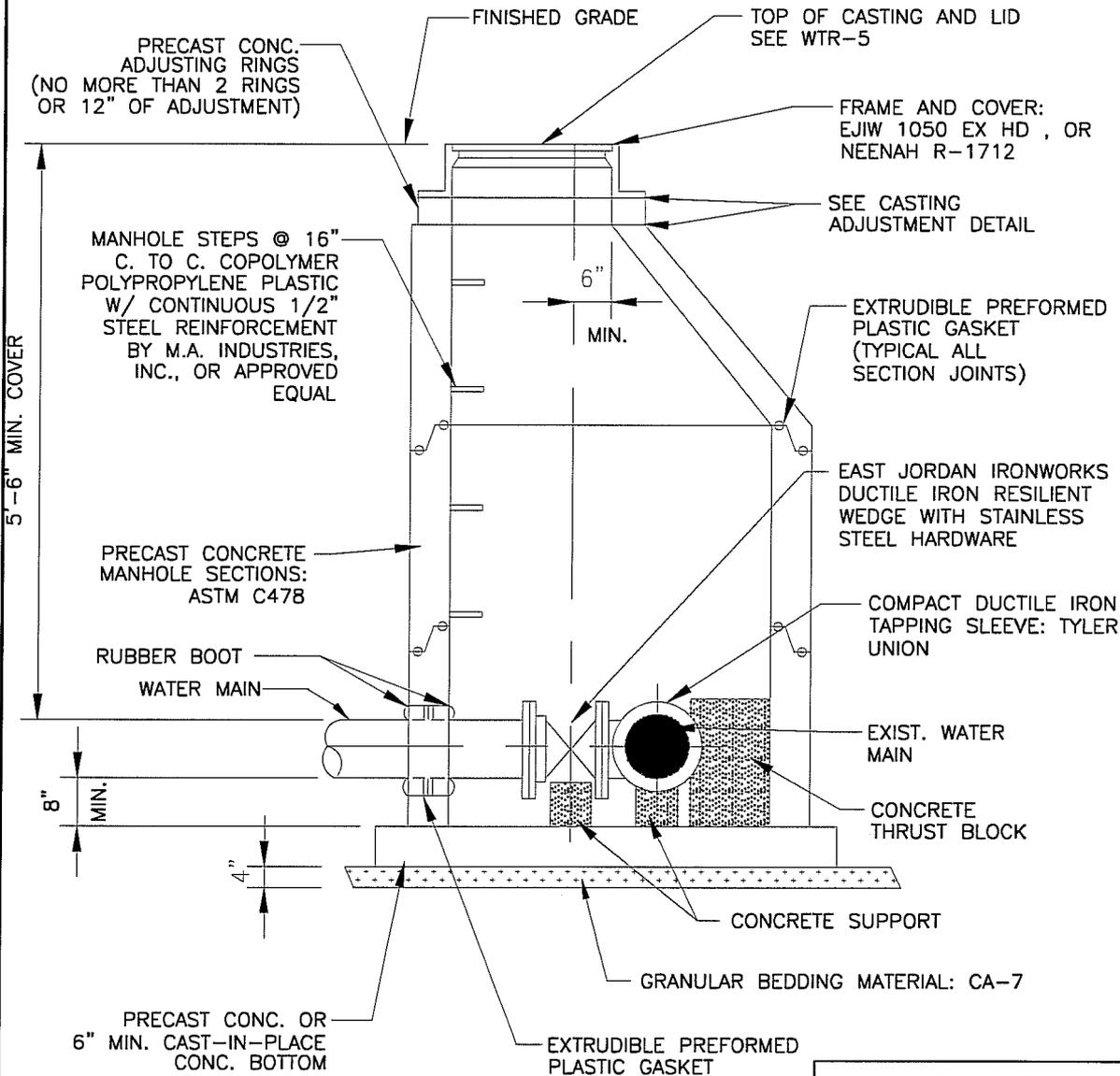
VILLAGE OF OAK LAWN  
STANDARD DETAIL

WATER SERVICE  
DATE: DEC 2009



NOTES:

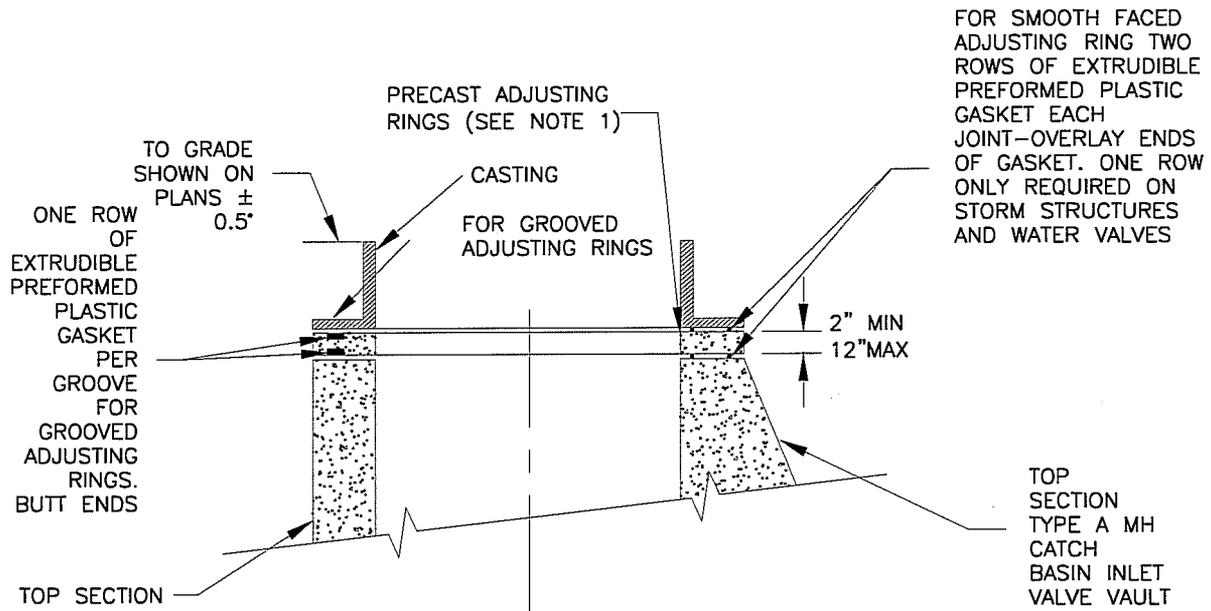
1. ECCENTRIC CONE REQUIRED
2. USE 4'-0" DIAMETER  
FOR WATER MAIN SIZES 8" OR LESS,  
USE 5'-0" DIAMETER  
FOR WATER MAIN SIZES 10" THRU 20",  
USE 6'-0" DIAMETER  
FOR WATER MAIN SIZES GREATER THAN 20".
3. TAPPING OF WATER MAINS SHALL BE DONE ONLY IN THE PRESENCE OF AN AUTHORIZED VILLAGE REPRESENTATIVE, AND AFTER 48 HOURS PRIOR NOTICE TO THE VILLAGE.
4. DURATION SAC-NUTS SHALL BE USED ON 50% OF ALL BOLTS.



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VILLAGE OF OAK LAWN  
STANDARD DETAIL  
PRESSURE CONNECTION  
VALVE VAULT  
DATE: DEC 2009





NO SCALE

**NOTES:**

1. THERE SHALL BE A MAXIMUM OF 2 ADJUSTING RINGS WITH A MAXIMUM TOTAL HEIGHT OF 12".
2. ALL STRUCTURES IN CURB AND GUTTER OR PAVED AREAS SHALL USE PRECAST CONCRETE OR PREFORMED RUBBER ADJUSTING RINGS.
3. IF THE CASTING MUST BE INSTALLED ON A SLOPE, PREFORMED RUBBER TAPERED RINGS MAY BE USED.
4. THE FOLLOWING CASTING, OR APPROVED EQUAL, SHALL BE UTILIZED AS INDICATED:

- A. SANITARY MANHOLES: EAST JORDAN IRON WORKS #1050, EX HD WATERTIGHT LID WITH CONCEALED PICKHOLE, O-RING GASKETS, AND "OAK LAWN" AND "SANITARY" CAST IN LID.
- B. WATER VALVE VAULTS: EAST JORDAN IRON WORKS #1050, EX HD WATERTIGHT LID WITH CONCEALED PICKHOLE, O-RING GASKETS, AND "OAK LAWN" AND "WATER" CAST IN LID.
- C. STORM MANHOLES: EAST JORDAN IRON WORKS #1050, EX HD LID WITH CONCEALED PICKHOLE, AND "OAK LAWN" AND "STORM" CAST IN LID, FOR LIDS INDICATED AS "SOLID" ON PLANS. FOR LIDS INDICATED AS "OPEN" ON PLANS, USE THE SAME CASTING, BUT WITH A TYPE M1 RADIAL FLAT GRATE.
- D. DRAINAGE STRUCTURES IN AREAS WITH UNPAVED SURFACES: EAST JORDAN IRON WORKS 6527.
- E. DRAINAGE STRUCTURES IN MOUNTABLE CURB AND GUTTER: EAST JORDAN IRON WORKS #7171 WITH TYPE M1 GRATE.
- F. DRAINAGE STRUCTURES IN BARRIER CURB AND GUTTER: EAST JORDAN IRON WORKS #7210 WITH TYPE M2 GRATE.

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VILLAGE OF OAK LAWN  
 STANDARD DETAIL  
 CASTING INSTALLATION  
 AND  
 ADJUSTING  
 DATE: DEC 2009

