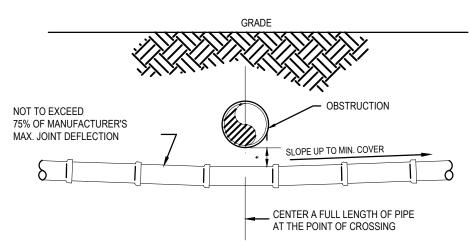


SPECIAL UTILITY CROSSING FITTING TYPE

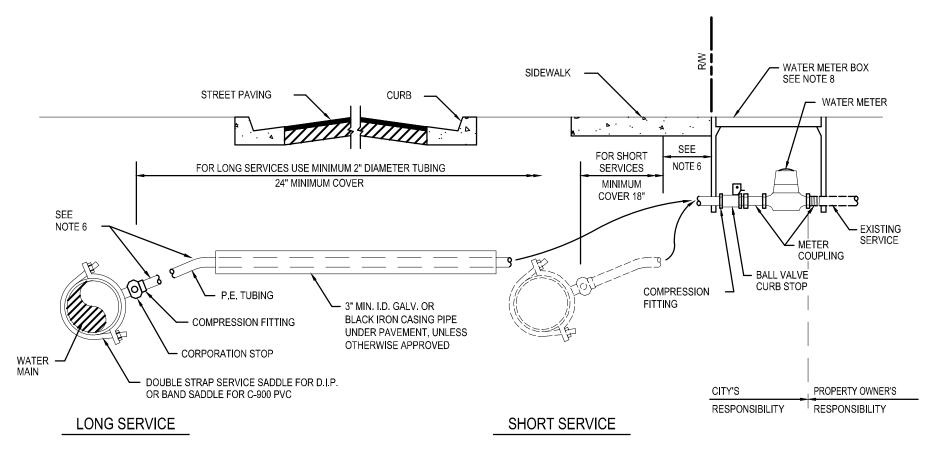
* REFER TO WATER AND SEWER SEPARATION NOTES PER D.E.R. REQUIREMENTS



1. BEDDING AND HAUNCHING SHALL BE WELL GRADED 3/4" MAX. SIZE CRUSHED LIMEROCK 2. DENSITY TESTING SHALL BE IN ACCORDANCE WITH AASHTO T-180 AND ASTM D-3017.

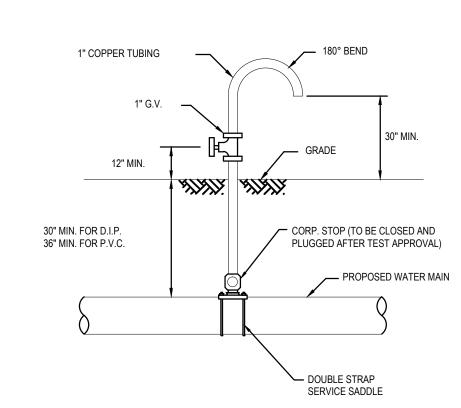
STANDARD UTILITY CROSSING DEFLECTION TYPE

* REFER TO WATER AND SEWER SEPARATION NOTES PER D.E.R. REQUIREMENTS



NOTES:

- 1. SUCCESSIVE TAPS INTO THE WATER MAIN SHALL BE SPACED NOT LESS THAN 18" ON CENTER.
- 2. P.E. TUBING SHALL BE IN ACCORDANCE WITH AWWA STANDARD C901, "POLYETHYLENE (P.E.) PRESSURE PIPE, TUBING, 1/2" THROUGH 3" FOR WATER". 3. SERVICE PIPE SHALL BE THE SAME SIZE AS THE WATER METER EXCEPT THAT NO SERVICE PIPE
- SHALL BE SMALLER THAN 1", AND PIPE CROSSING UNDER PAVEMENT MUST BE 2" MINIMUM.
- 4. ALL CASING PIPE SHALL EXTEND A MINIMUM OF 2' BEYOND THE EDGE OF PAVED STREETS.
- 5. APPROVED TYPE COPPER TUBING MAY BE USED IN PLACE OF PLASTIC. 6. FOR 1" SERVICE LINES THE MINIMUM RADIUS SHALL BE 14". FOR 2" SERVICE LINES THE
- MINIMUM RADIUS SHALL BE 21". 7. THE WATER METER, METER BOX AND COVER BY THE CITY OF HOLLYWOOD.
- 8. ELEVATION OF TOP OF WATER METER BOX SHALL BE SET AT THE SAME ELEVATION AS PROPOSED GRADE AT BACK OF SIDEWALK AND THE METER DIAL SHALL BE MAX. 6" BELOW METER COVER.

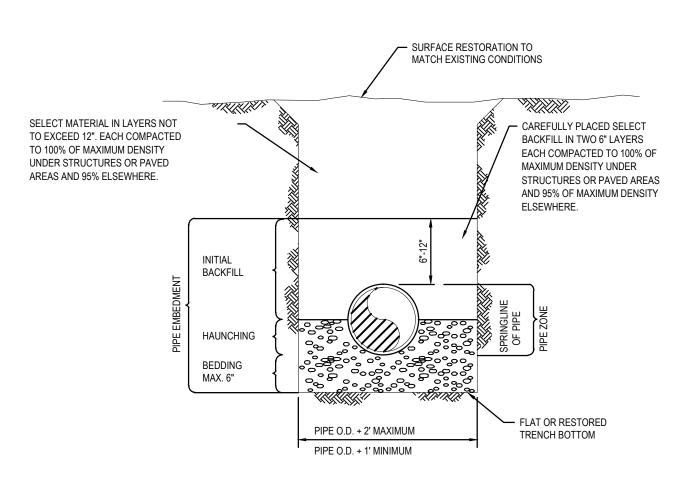


SAMPLING POINT SHALL NOT BE REMOVED UNTIL APPROVAL IS OBTAINED FROM

BROWARD COUNTY PUBLIC HEALTH UNIT (B.C.P.H.U.)

NOTES:

- 1. MODIFIED RISER CONNECTION TO BE USED ONLY WHEN DIRECTED BY THE CITY.
- 2. 3/4" DRAINFIELD LIMEROCK MAY BE USED AS BEDDING OVER UNDISTURBED SOIL WITH P.V.C. PIPE.
- 3. SINGLE SERVICE CONNECTIONS SHALL USE 6" PIPE AND FITTINGS.



1. BEDDING AND HAUNCHING SHALL BE WELL GRADED 3/4" MAX. SIZE CRUSHED LIMEROCK 2. DENSITY TESTING SHALL BE IN ACCORDANCE WITH AASHTO T-180 AND ASTM D-3017.

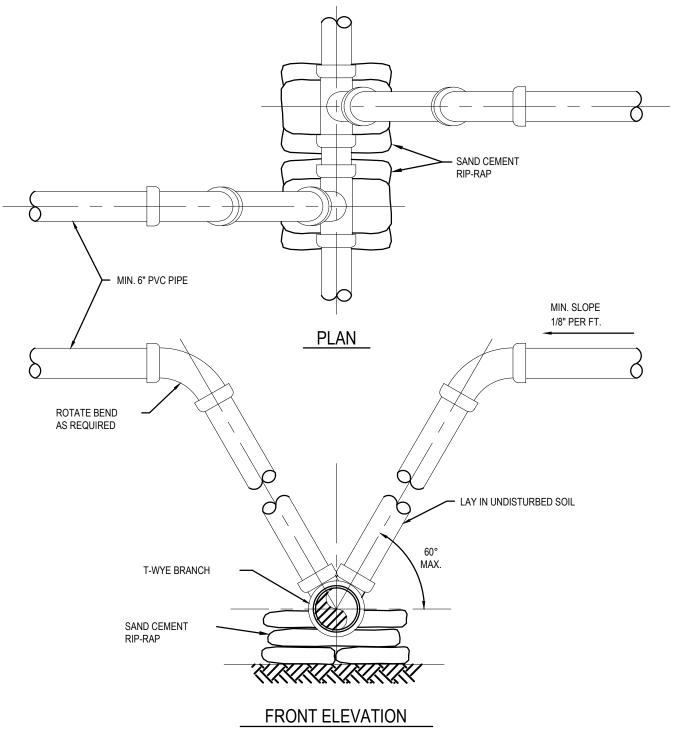
TESTING AND DISINFECTION

1. NO CONNECTIONS TO THE EXISTING LINES SHALL BE MADE UNTIL THE PRESSURE AND BACTERIOLOGICAL TESTS HAVE BEEN PERFORMED ON THE PROPOSED WATER MAINS AND THE SYSTEM IS ACCEPTABLE TO THE CITY OF HOLLYWOOD AND BROWARD COUNTY PUBLIC HEALTH UNIT (BCPHU).

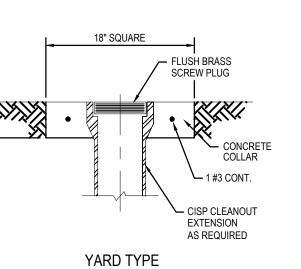
2. THE PRESSURE TEST SHALL BE FOR 2 HOURS AT 150 PSI AND IN ACCORDANCE WITH ANSI/AWWA STANDARD C600-93. PRESSURE TEST SHALL BE WITNESSED BY THE CITY OF HOLLYWOOD. THE ALLOWABLE LEAKAGE SHALL BE LESS THAN THE NUMBER OF GALLONS PER HOUR AS DETERMINED BY THE FORMULA:

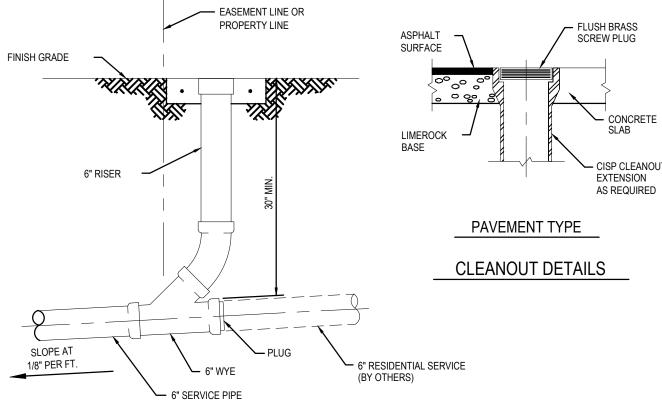
- L = THE ALLOWABLE LEAKAGE IN GALLONS PER HOUR.
- S = THE LENGTH OF PIPE BEING TESTED.
- D = THE NOMINAL DIAMETER OF THE PIPE BEING TESTED. P = THE AVERAGE TEST PRESSURE IN POUNDS PER SQUARE INCH.
- 3. THE COMPLETE LENGTH OF THE PROPOSED WATER MAIN SHALL BE TESTED, IN LENGTHS NOT TO EXCEED 2,000 FEET PER TEST.

4. PROPOSED WATER MAINS SHALL BE DISINFECTED IN ACCORDANCE WITH ANSI/AWWA STANDARD C651-92 AND BACTERIOLOGICALLY TESTED FOR TWO CONSECUTIVE DAYS. THE CITY OF HOLLYWOOD WATER TREATMENT PLANT LABORATORY WILL BE THE SOLE SAMPLER AND WILL PROVIDE BACTERIOLOGICAL TESTING.



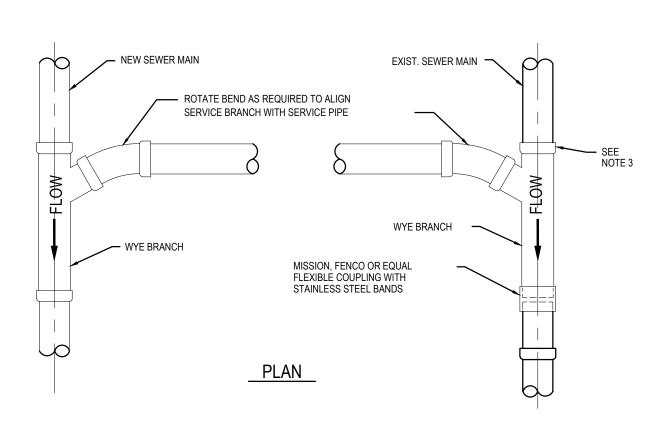
← 6" SERVICE

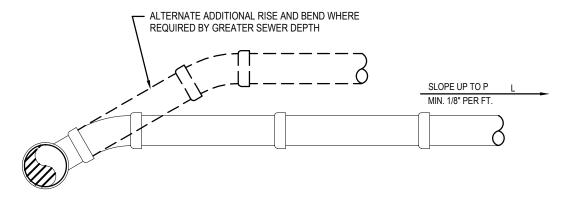




ELEVATION

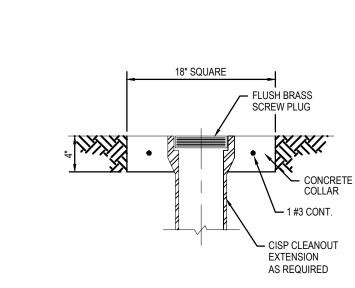
SINGLE SERVICE CONNECTION

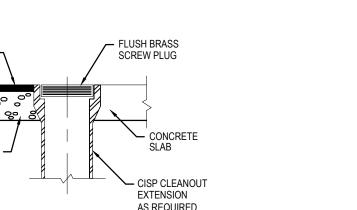




ELEVATION

- 1. SINGLE SERVICE CONNECTIONS SHALL USE 6" PIPE AND FITTINGS.
- 2. USE RISER CONNECTIONS WHERE INVERT OF SEWER IS GREATER THAN 7'-0" DEEP.
- 3. WHERE BELL OF WYE AND SPIGOT OF EXISTING MAIN ARE NOT COMPATIBLE, USE A SECOND FLEXIBLE COUPLING.





PROFESSIONAL ENGINEER May 10, 2011 FLORIDA LICENSE No. 58629 FLORIDA BUSINESS CERT. OF AUTH. No. 27528

REVISIONS:

COMMENT:

SHEET TITLE:

PROJECT No.: CHECKED BY:

SCALE:

CAD I.D.:

PROJECT:

PROPOSED

SPORTS AUTHORITY

& BJs EXPANSION

OAKWOOD PLAZA

KIMCO

REALTY CORP.

CITY OF HOLLYWOOD

BROWARD COUNTY, FLORIDA

RADICE III 1000 CORPORATE DRIVE, SUITE 250

FORT LAUDERDALE, FL 33334

PH: (954) 202-7000

FX: (954) 202-7070

www.BohlerEngineering.com

AS NOTED

F090068-WSD

WATER AND SEWER **DETAILS**