

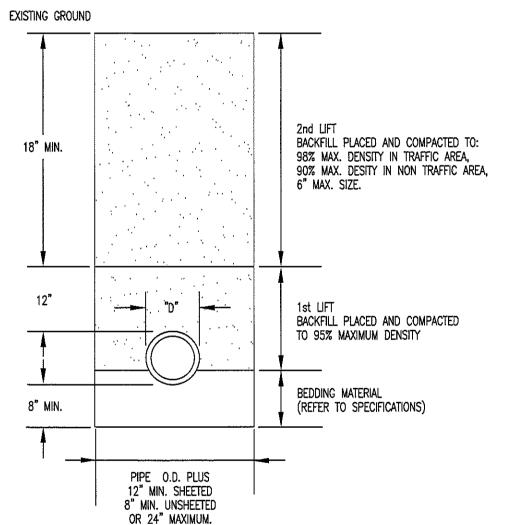
## GENERAL NOTES

- ALL MATERIAL, INSTALLATION, TESTING AND SPECIFICATIONS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY OF BOCA RATON, THE CITY OF BOCA RATON UTILITIES DEPARTMENT AND THE PALM BEACH COUNTY
- 2. LOCATION OF EXISTING UNDERGROUND UTILITIES HAS BEEN PREPARED FROM THE MOST RELIABLE INFORMATION AVAILABLE TO THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY LOCATION AND DEPTH OF ALL PERTINENT UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO SAFEGUARD ALL EXISTING STRUCTURES AND UTILITIES, ANY DAMAGE DONE TO EXISTING UTILITIES SHALL BE REPAIRED BY THE CONTRACTOR AT NO EXPENSE TO THE SUBJECT UTILITY. CALL "SUNSHINE" (1-800-432-4770) 48 HOURS BEFORE DIGGING.
- DUCTILE IRON PIPE AND FITTINGS SHALL CONFORM TO ANSI/AWWA C151/A21.51-02, AND SHALL BE CEMENT LINED AND SEAL COATED IN ACCORDANCE WITH ANSI/AWWA C104/A21.4-08. MAINS SHALL BE DESIGNATED AS PRESSURE CLASS 350, PER ANSI/AWWA C150/A21,50-08
- NO CONNECTION SHALL BE MADE TO EXISTING LINES UNTIL PRESSURE AND BACTERIOLOGICAL TESTS HAVE BEEN PERFORMED AND THE SYSTEM IS ACCEPTABLE TO THE CITY OF BOCA RATON AND THE PALM BEACH COUNTY
- WATER SAMPLES FOR BACTERIOLOGICAL ANALYSIS SHALL BE TAKEN ONLY AFTER THE PRESSURE TESTS HAVE BEEN APPROVED BY CITY OF BOCA RATON
- 6. ALL PIPE, FITTINGS, ETC. SHALL BE TESTED UNDER A CONSTANT PRESSURE OF 150 P.S.I. FOR 2 HOURS AND SHALL NOT EXCEED THE LEAKAGE REQUIREMENT AS PER ANSI/AWWA C600-10 STANDARD.

MAXIMUM ALLOWABLE LEAKAGE RATE:

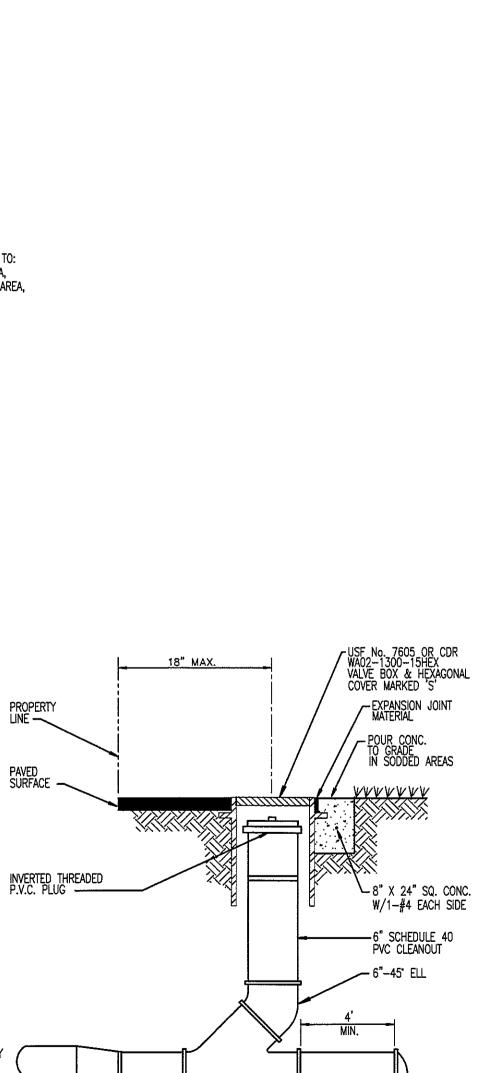
L= ALLOWABLE LEAKAGE, GALLONS PER HOUR S= LENGTH OF PIPE TEST SECTION, IN FEET D= NOMINAL DIAMETER OF PIPE, IN INCHES P= AVERAGE TEST PRESSURE, IN POUNDS PER SQUARE INCH.

- 7. COMPLIANCE TO THE "TRENCH SAFETY ACT" IS REQUIRED FOR ALL EXCAVATION IN ACCESS OF FIVE FEET DEEP.
- 8. MINIMUM PIPE COVER SHALL BE 30" FOR D.I.P.
- 9. THE WATER SYSTEM SHALL BE CLEANED AND DISINFECTED ACCORDING TO AWWA C651-05.
- 10. WATER MAIN INSTALLATION SHALL COMPLY WITH THE REQUIREMENTS OF CHAPTER 62-555.320 OF THE F.A.C.
- 11. CONTRACTOR SHALL COORDINATE WITH CITY OF BOCA RATON UTILITY SERVICES AND HAVE A CITY REPRESENTATIVE PRESENT WHEN OPERATING ANY WATER MAIN OR FORCE MAIN VALVES. THE CLOSING OF VALVES THAT INTERRUPT SERVICE TO ADJACENT PROPERTIES MUST BE PRE-APPROVED BY THE CITY OF BOCA RATON UTILITY SERVICES DEPARTMENT.
- 12. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SUPPLY AND INSTALLATION OF WATER MAIN AND FORCE MAIN LINE STOPS TO CONTROL FLOWS DURING CUTTING, PLUGGING, OR ABANDONMENT OF EXISTING MAINS.
- 13. THE CONTRACTOR SHALL COORDINATE WITH THE CITY OF BOCA RATON UTILITY SERVICES TWO WEEKS PRIOR TO THE INSTALLATION OF ANY LINE STOPS. THE CITY RESERVES THE RIGHT TO HAVE A REPRESENTATIVE PRESENT DURING THE LINE STOP(S) INSTALLATION.
- 14. CONTRACTOR TO MAINTAIN AND ADJUST ALL EXISTING SANITARY MANHOLE COVERS, WATER METER BOXES AND VALVES BOXES TO FINISHED GRADE.



- 1. FOR EXCAVATION AND BACKFILL AROUND MANHOLES, APPURTENANCES, OR IN WATER, REFER TO PROVISIONS WITHIN THE SPECIFICATIONS.
- 2. UNLESS OTHERWISE SPECIFIED, BEDDING MATERAL SHALL CONSIST OF WASHED AND GRADED LIMEROCK (3/8"-7/8").
- 3. WHERE REQUIRED, SHEETING AND SHORING SHALL BE IN ACCORDANCE WITH
- 4. REFER TO SPECIFICATIONS FOR EXCAVATION IN MUCK OR OTHER UNSUITABLE

**TYPICAL** TRENCH EXCAVATION



TYPE "C" JOINT

P.C.

SIDEWALK JOINTS

TYPE "C" JOINT-

<del>-</del>|-1/4"

TYPE "A"

TABLE OF SIDEWALK

1/2"R

LOCATION

AT DRIVES & 5' EACH SIDE

OTHER

-R/W LINE

TYP.

TYPE "C

EXIST. SIDEWALK

TYPE "A" JOINT

" PREMOLDED EXPANSION

JOINT MATERIAL

THE APPROVED PLANS.

PROP. STOP SIGN (R1-1) w/-

(4' BEHIND WALK)

10 L.F. - 24" WHITE STOP BAR

WIDTH VARIES

SEE PLAN

2% MAX. CROSS SLOPE

The state of the second state of the second

EX. PARKING &

TO REMAIN (TYP.)

RESTRIPE H.C. SPACE

& 5' ACCESS AISLE (SEE STRIPING DETAIL

ON SHEET C-2)

WHEEL STOPS

**△ PAVMENT MARKING & SIGNAGE PLAN** 

1. PAVEMENT MARKING AND SIGNING SHALL BE IN ACCORDANCE WITH THE FLORIDA

"MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" AND

2. ALL PAVEMENT MARKINGS SHALL BE PAINTED UNLESS OTHERWISE NOTED.

DEPARTMENT OF TRANSPORTATION "TRAFFIC OPERATIONS STANDARDS" MANUAL AND THE

PAVEMENT MARKING AND SIGNING NOTES

CITY OF BOCA RATON TRAFFIC ENGINEERING REQUIREMENTS.

SECTION A-A

CONCRETE SHALL HAVE 28 DAYS COMPRESSIVE STRENGTH

NOT TO EXCEED FIVE FEET. THE EDGE OF THE SIDEWALK

SHALL HAVE A RADIUS OF 1/2". A SLOPE OF 1/4" PER

FILLERS OF 1/4 INCH THICKNESS SHALL BE PLACED AT 30'

FOOT SHALL BE MAINTAINED TOWARD THE STREET. JOINT

CENTERS. THE SURFACE SHALL HAVE A BROOM FINISH.

A PERMIT IS REQUIRED BEFORE STARTING CONSTRUCTION.

PLACEMENT OF THE CONCRETE. PROFILE GRADE IS THE

CROWN OF THE ROAD, UNLESS OTHERWISE SPECIFIED ON

THE BASE SHALL BE STABILIZED AND DAMPENED PRIOR TO

OF 2500 PSI. ALL WALKS SHALL BE MARKED IN SECTIONS

NEW CONCRETE SIDEWALK

JOINT-

TYPE "B"

TYPE

TABLE OF SIDEWALK JOINTS

LOCATION

P.C. AND P.T OF CURVES,

JUNCTION OF EXISTING AND NEW SIDEWALKS

5'-0" CENTER TO CENTER ON SIDEWALKS

WHERE SIDEWALK ABUTS CONCRETE CURBS, DRIVEWAYS,

SIDEWALK DETAIL

AND SIMILAR STRUCTURES

S MAX. TRAN\$VERSE SLOPE

INVERTED BRASS CAP SHALL BE USED IN GRASS AREAS LUE OF CASTING AND CONE COLLAR.

∠6" X 4" HARCO® PVC REDUCER

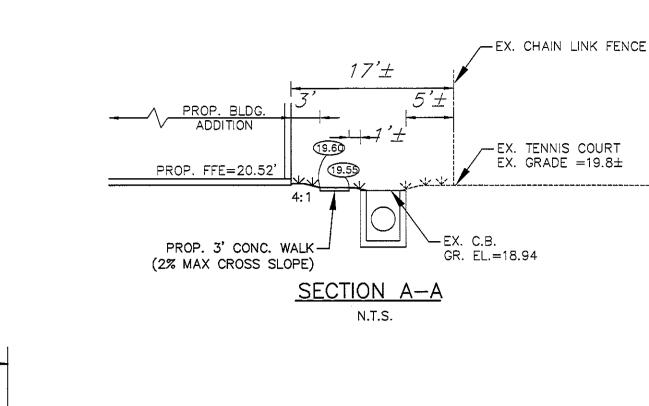
REQ'D. FOR CONNECTION TO CLAY

SERVICES ONLY. (DONUTS NOT ALLOWED)

PLUG TO REMAIN IN PLACE UNTIL

PLUMBER MAKES
CONNECTION ———

TYPICAL CLEANOUT DETAIL



GENERAL NOTES:

1. ALL MATERIAL, INSTALLATION, TESTING AND SPECIFICATIONS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY OF BOCA RATON STANDARDS AND THE GOVERNING, PERMITTING AND LICENSING AGENCIES WHERE APPLICABLE.

2. ALL ELEVATIONS REFER TO N.G.V.D., NATIONAL GEODETIC VERTICAL DATUM.

3. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO SAFEGUARD ALL EXISTING STRUCTURES AND UTILITIES. ANY DAMAGE DONE TO EXISTING UTILITIES SHALL BE REPAIRED BY THE CONTRACTOR AT NO EXPENSE TO THE SUBJECT UTILITY. CALL "SUNSHINE" (1-800-432-4770) 48 HOURS BEFORE DIGGING.

4. LOCATIONS OF EXISTING UNDERGROUND UTILITIES SHOWN ON PLANS HAVE BEEN PREPARED FROM THE MOST RELIABLE INFORMATION AVAILABLE TO THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THE LOCATION AND DEPTH OF ALL PERTINENT UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION.

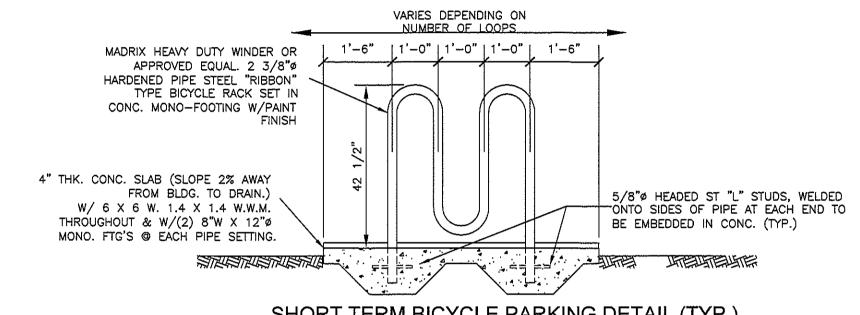
5. CONTRACTOR SHALL VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. ALL INSTALLATIONS SHALL BE MADE IN SUCH A MANNER AS TO NOT INTERFERE WITH EXISTING OR NEW UTILITIES, DRAINAGE, OR ROADWAY CONSTRUCTION.

6. EXCAVATION SHALL BE SLOPED OR OTHERWISE SUPPORTED IN A SAFE MANNER IN ACCORDANCE WITH APPLICABLE STATE SAFETY REQUIREMENTS AND REQUIREMENTS OF OSHA SAFETY AND HEALTH STANDARD FOR CONSTRUCTION (29 CFR 1926).

7. PRIOR TO THE CONSTRUCTION OR INSTALLATION, SHOP DRAWINGS SHALL BE SUBMITTED TO AND APPROVED BY THE ENGINEER OF RECORD FOR THE FOLLOWING: MANHOLES, CATCH BASINS, FIRE HYDRANTS, VALVES, PIPE MATERIAL AND ALL REQUIRED ACCESSORIES FOR FIRE, WATER, STORM & SANITARY SEWER. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL OTHER AGENCY APPROVALS, IF REQUIRED.

8. THE FOLLOWING INFORMATION SHALL BE PROVIDED AT THE PRE-CONSTRUCTION

> MEETING: a. STAGING PLAN FOR MATERIALS AND EQUIPMENT b. PARKING PLAN FOR ALL CONSTRUCTION VEHICLES DURING CONSTRUCTION c. TIME SCHEDULE FOR CONSTRUCTION d. MAINTENANCE OF PEDESTRIAN AND VEHICLE TRAFFIC PLAN

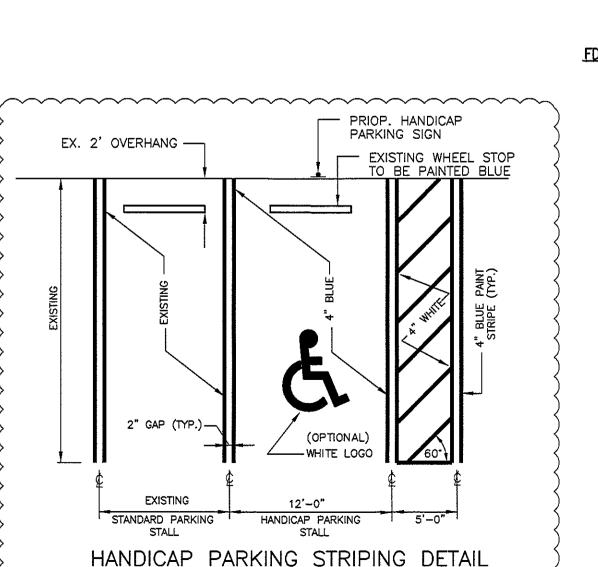


## SHORT TERM BICYCLE PARKING DETAIL (TYP.)

AN APPROVED LIST OF BICYCLE PARKING DEVICES MAINTAINED BY THE MUNICIPAL SERVICES DEPARTMENT. ALTERNATIVE BICYCLE PARKING DEVICES MAY BE USED IF ESTABLISHED AS AN APPROVED EQUIVALENT IN (A) ALL SHORT TERM BICYCLE PARKING SPACES SHALL INCLUDE A STATIONARY PARKING DEVICE ON A CONCRETE SURFACE WHICH ADEQUATELY SUPPORTS THE BICYCLE AND MUST HOLD AT LEAST 180 DEGREES OF THE WHEEL ARC. (B) ALL LONG TERM FACILITIES SHALL CONSIST OF A FULLY ENCLOSED LOCKABLE SPACE ACCESSIBLE ONLY TO OWNER/OPERATOR OF THE BICYCLE, OR ATTENDANT PARKING WITH A CHECK-IN SYSTEM ACCESSIBLE ONLY TO THE ATTENDANT(S), OR A LOCKED ROOM OR OFFICE INSIDE THE BUILDING. (C) WHERE NOT SPECIFIED, EITHER SHORT TERM OR

FUNCTION, QUALITY AND CONSTRUCTION. FIXED OBJECTS WHICH ARE INTENDED TO SERVE AS BICYCLE PARKING FACILITIES SHALL BE CLEARLY LABELED AS AVAILABLE BICYCLE PARKING. BICYCLE PARKING SHALL BE CONSISTENT WITH SURROUNDINGS IN COLOR AND DESIGN AND BE INCORPORATED WHENEVER POSSIBLE INTO BUILDING OR STREET FURNITURE DESIGN. (H) BICYCLE PARKING SHALL BE LOCATED AS NEAR THE LONG TERM PARKING IS PERMISSIBLE. PRINCIPAL ENTRANCE OF THE BUILDING AS PRACTICABLE (I) BICYCLE PARKING SHALL BE LOCATED IN A CONVENIENT, HIGHLY VISIBLE, ACTIVE, WELL LIGHTED AREA. SHALL BE A MINIMUM OF TWO FEET WIDE AND SIX FEET LONG, AND SHALL HAVE A MINIMUM OF (D) EIGHT FEET OF OVERHEAD CLEARANCE. (J) BICYCLE PARKING SHALL BE LOCATED SO AS NOT TO (E) ALL REQUIRED PARKING FACILITIES SHALL BE FROM IMPEDE PEDESTRIAN MOVEMENT.

BIKE RACK DETAIL



& SYMBOL BLUE BACKGROUND FDOT FTP-20-06 BLACK BORDER & LETTERS -WHITE BACKGROUND & LETTERS WHITE BACKGROUND FDOT FTP-22-06 HANDICAP PARKING SIGN

DCES SCALE: NONE **DATE:** 6-2-16 DWN. BY: S.T. CHK. BY: N.B.J. PG. JOB NO.:

100040058

TELD BLVI J, FLORIDA

WOODFIE RATON,

4420 BOCA

ENGINEERING

SIT

CLUB EXPAN

ODFIELD

05

SHEET: C-2 OF 2

N.T.S. NOTE: ALL LETTERS 1" SERIES "C"

CITY OF BOCA RATON PROJECT #45-16-19

2121 - 15

NEAL B. JANOV #21998