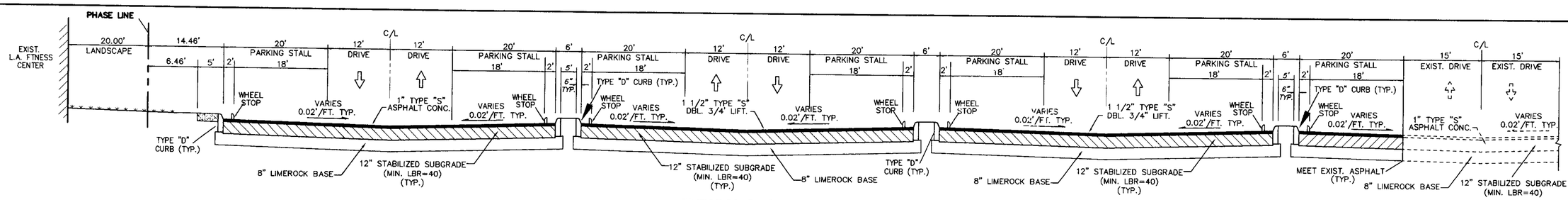
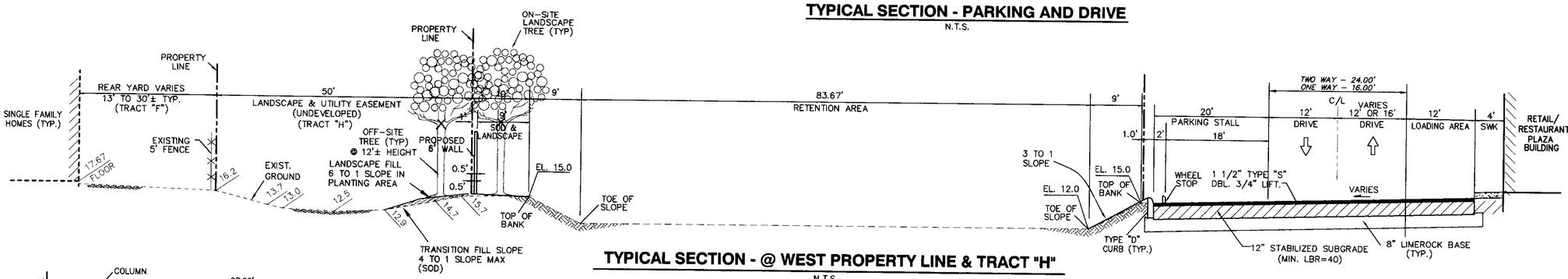


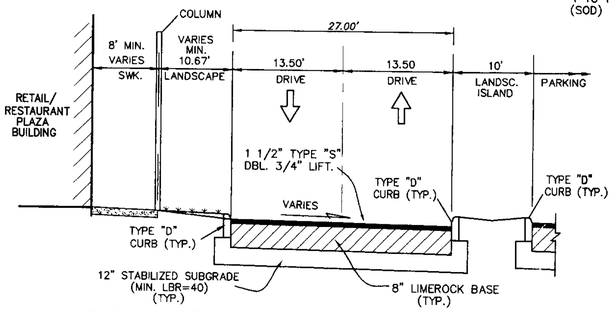
TYPICAL SECTION - PARKING AND DRIVE

N.T.S.



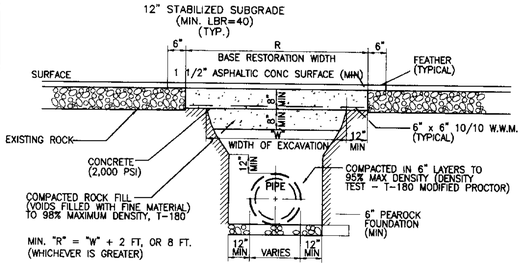
TYPICAL SECTION - @ WEST PROPERTY LINE & TRACT "H"

N.T.S.



TYPICAL SECTION AT BUILDING FRONT

N.T.S.

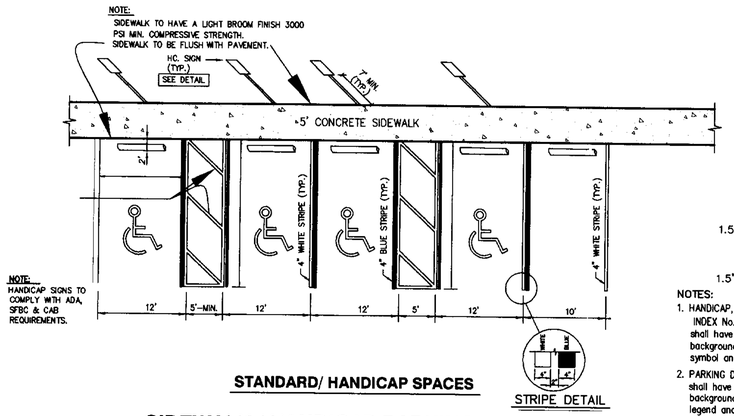


GENERAL NOTES

1. BASE AND BACKFILL MATERIALS SHALL BE EITHER OF THE SAME TYPE AND COMPOSITION AS THE MATERIALS REMOVED, OR OF EQUAL OR GREATER STRUCTURAL ADEQUACY. MATERIALS CONTAMINATED WITH DELETERIOUS SUBSTANCES DURING EXCAVATION SHALL NOT BE USED.
2. BASE MATERIAL SHALL BE PLACED IN TWO OR THREE LAYERS AND EACH LAYER THOROUGHLY ROLLED OR TAMPED TO THE SPECIFIED DENSITY.
3. ASPHALT CONCRETE PAVEMENT JOINTS SHALL BE MECHANICALLY SAWED.
4. SURFACE TREATED PAVEMENT JOINTS SHALL BE LAPPED AND FEATHERED.
5. SURFACE MATERIAL WILL BE CONSISTENT WITH THE EXISTING SURFACE.
6. PLACE PRIME COAT ON COMPACTED BASE AND TACK ON EXISTING ASPHALT CONCRETE SURFACES AND EDGES.
7. COMPACTION TESTS SHALL BE TAKEN AS DIRECTED BY THE CITY ENGINEER AND PAID FOR BY THE PERMITTEE. A MINIMUM OF ONE PER CROSSING OR ONE PER 100-FT PARALLEL CONSTRUCTION WILL BE REQUIRED.

RESTORATION OF FLEXIBLE PAVEMENT - CROSSINGS

CITY OF COCONUT CREEK
UTILITIES AND ENGINEERING DEPARTMENT
FIGURE 302
N.T.S.

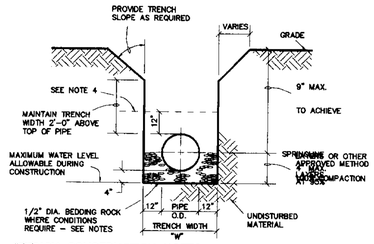


STANDARD/ HANDICAP SPACES

SIDEWALK / HANDICAP PARKING DETAIL

ACCESSIBLE PARKING SPACES COMPLYING WITH FLORIDA AND ADA REQUIREMENTS

N.T.S.



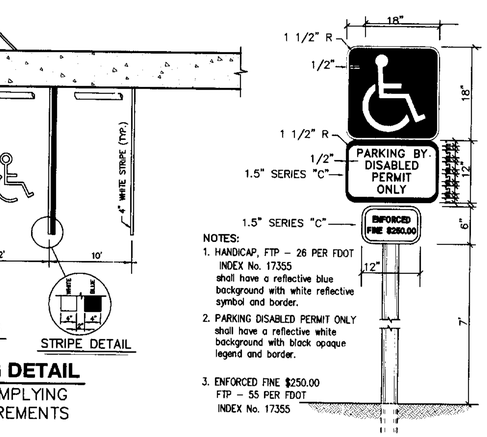
TRENCH CONSTRUCTION NOTES

1. WHERE SOIL CONDITIONS CANNOT BE MAINTAINED AS SHOWN ABOVE THE CONTRACTOR SHALL PROVIDE AN ALTERNATE PLAN FOR TRENCH CONSTRUCTION TO THE ENGINEER FOR APPROVAL.
2. SHEETING REQUIREMENTS WILL BE DETERMINED IN THE FIELD. SEE PROJECT SPECIFICATIONS.
3. COMPACTION PERCENTAGES REFER TO A.A.S.H.T.O. T-180
4. MECHNICAL COMPACTION NOT ALLOWED BELOW THIS LEVEL.
5. PVC PIPE TO HAVE ROCK BACKFILL TO PIPE SPRINGLINE.

TRENCH DETAIL

(UNPAVED AREAS)

N.T.S.

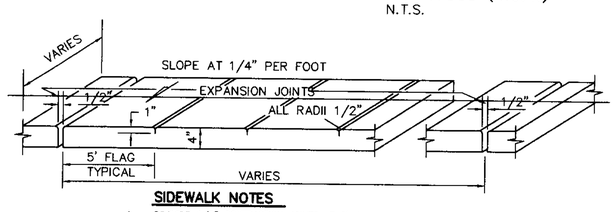


NOTES:
1. HANDICAP, FTP - 26 PER FDOT INDEX No. 17355 shall have a reflective blue background with white reflective symbol and border.
2. PARKING DISABLED PERMIT ONLY shall have a reflective white background with black opaque legend and border.
3. ENFORCED FINE $250.00 FTP - 55 PER FDOT INDEX No. 17355

HANDICAP PARKING/ VIOLATION SIGN DETAIL

F.D.O.T. INDEX NO. 17355 (4.6.4.)

N.T.S.

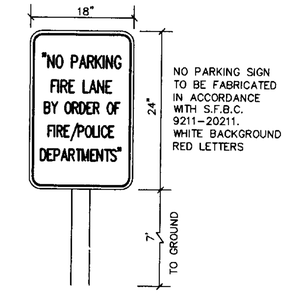


SIDEWALK NOTES

1. PROVIDE 1/8" CONTRACTION JOINTS AT 5' C-C, MINIMUM DEPTH 1/2"
2. PROVIDE 1/2" EXPANSION JOINTS WITH NON-RISING FILLER TO RUN FULL DEPTH OF SLAB.
3. CONCRETE TO BE 3,000 PSI IN 28 DAYS MINIMUM.
4. CURE SIDEWALK WITH CLEAN SAND, PLASTIC MEMBRANE, COMPOUND OR OTHER APPROVED METHOD.
5. COMPACT SUBGRADE TO MINIMUM DRY DENSITY OF 98% (AASHTO T-180)
6. ALL SIDEWALK TO BE BROOM FINISHED.

SIDEWALK DETAIL

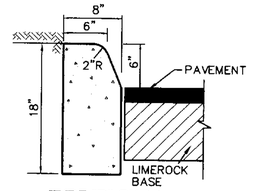
N.T.S.



NO PARKING SIGN TO BE FABRICATED IN ACCORDANCE WITH S.F.B.C. 9211-20211. WHITE BACKGROUND RED LETTERS

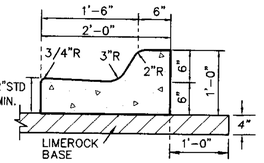
FIRE LANE SIGN DETAIL

N.T.S.



TYPE "D" CURB

N.T.S.



TYPE "F" CURB & GUTER

N.T.S.

TYPE 'D & F" CURB CONSTRUCTION NOTES:

1. WHEN USED ON THE HIGH SIDE OF ROADWAYS, THE CROSS SLOPE OF TYPE F GUTTER SHALL MATCH THE CROSS SLOPE OF THE ADJACENT PAVEMENT.
2. PROVIDE 1/4" CONTRACTION JOINT AT 10' C-C
3. CONCRETE SHALL BE 3000 P.S.I. MIN. @ 28 DAYS.
4. COST OF CURB PAD TO BE INCLUDED IN COST OF CURB.

WATER MAIN NOTES

1. COVER OVER DIP WATER MAINS SHALL BE 30", UNLESS SPECIFIC WRITTEN EXCEPTION IS ISSUED OR REQUIRED BY THE ENGINEER.
2. DETECTOR TAPE SHALL BE INSTALLED 18" ABOVE CENTERLINE OF ALL WATER MAINS AND SERVICES, WITH BLUE SIDE UP.
3. ALL WATER MAIN LINE VALVES SHALL BE INSTALLED COMPLETE WITH 6" RISER PIPES AND NO. 2 VALVE BOXES. FIRE HYDRANT AND SERVICE VALVES SHALL BE INSTALLED COMPLETE WITH 6" RISER PIPES AND NO. 2 VALVE BOXES. ALL BOXES TO BE LABELED "WATER" AND PAINTED BLUE.
4. GATE VALVES 4 INCH AND LARGER SHALL BE RESILIENT SEAT AND SHALL MEET ANSI/AWWA C-509-87 SPECIFICATIONS (LATEST REVISION). VALVES SHALL BE MUELLER OR APPROVED EQUAL
5. ALL WATER METERS WILL BE PROVIDED AND INSTALLED BY THE UTILITY. ALL SERVICE PIPES, BACKFLOW PREVENTERS, VALVES AND METER BOXES OR PITS WILL BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH CONSTRUCTION PLANS AND SPECIFICATIONS.
6. ALL WATER MAINS TO BE DUCTILE IRON CLASS 51 PIPE (ANSI/AWWA C151/A21.51-91).
7. ALL PROPOSED WATER MAINS SHALL HAVE HYDROSTATIC TESTING IN ACCORDANCE WITH ANSI/AWWA C600-93 OR LATEST REVISION. WATER MAIN MUST SUSTAIN A MINIMUM PRESSURE OF 150 PSI FOR (2) HOURS. ALLOWABLE LEAKAGE SHALL BE DETERMINED BY THE FOLLOWING FORMULA: $Q = \frac{SD\sqrt{P}}{133200}$

   IN WHICH
   - Q = ALLOWABLE LEAKAGE, IN GALLONS PER HOUR
   - S = LENGTH OF MAIN BEING TESTED IN FEET
   - D = PIPE DIAMETER, IN INCHES
   - P = AVERAGE TEST PRESSURE DURING TEST IN PSI.

   TEST PRESSURE SHALL NOT VARY BY MORE THAN 5 P.S.I.
8. AFTER TESTING ALL PROPOSED WATER MAINS, FLUSHING AND DISINFECTING SHALL BE IN ACCORDANCE WITH ANSI/AWWA C651-92 OR LATEST REVISION. SEE PLAN FOR SAMPLING POINT LOCATIONS.
9. SEE SHEETS 3 FOR WATER MAIN PLAN AND CONSTRUCTION DETAILS.
10. WATER SERVICES SHALL BE STUBBED OUT ABOVE GRADE AND SHALL BE TIED TO A 2" X 2" WOOD STAKE PAINTED BLUE.
11. HYDROSTATIC TESTING TO INCLUDE ALL WATER LATERALS AND SERVICES.
12. FOR WATER MAIN PRESSURE TESTING, THE MAXIMUM TESTING LENGTH OF PIPE WILL BE 2,000 FEET. HYDROSTATIC TESTS CAN BE PERFORMED ONLY AFTER "AS-BUILT" PLANS ARE APPROVED BY THE CITY. SCHEDULING OF THE TESTING WILL BE A MINIMUM OF 48 HOURS AFTER "AS-BUILT" PLANS ARE APPROVED. FIRE HYDRANT SETBACKS FROM THE EDGE OF PAVEMENT WILL REQUIRE APPROVAL BY THE CITY PRIOR TO TESTING.

PAVING AND GRADING NOTES

1. LIMEROCK MATERIAL FOR THIS PROJECT SHALL MEET THE REQUIREMENTS OF THE CITY OF COCONUT CREEK. LIMEROCK SHALL BE A MINIMUM OF 70% CARBONATES WITH LIQUID LIMIT OF 35, PLASTICITY OF 6 AND MINIMUM LBR 100.
2. THE LIMEROCK BASE SHALL BE COMPACTED TO A MINIMUM DENSITY OF 98% AS DETERMINED BY AASHTO T-180. SUBGRADE SHALL BE COMPACTED TO A MINIMUM DENSITY OF 98% AS DETERMINED BY AASHTO T-180.
3. THE TESTING OF SUBGRADE, LIMEROCK BASE, ASPHALT SURFACE COURSE, EMBANKMENT OR PIPE BACKFILL SHALL BE DONE PRIOR TO REQUESTING ANY INSPECTION BY THE CITY.
4. CONTRACTOR SHALL FILL AND GRADE SITE TO ACCOMMODATE FINISH GRADE ELEVATIONS SHOWN ON GRADING AND DRAINAGE PLAN AND IN ACCORDANCE WITH TYPICAL SECTION AS SHOWN.
5. CONTRACTOR SHALL REMOVE ALL UNSUITABLE MATERIAL FROM THE PAVEMENT AREAS AND BUILDING PADS. UNSUITABLE MATERIAL SHALL BE REPLACED WITH CLEAN COMPACTED FILL. UNSUITABLE MATERIALS CONSISTING OF MUCK OR TOPSOIL MAY BE USED IN PROJECT GREEN AREAS IF THE MATERIALS ARE APPROVED FOR SUCH USE BY THE ENGINEER.
6. GRADES SHOWN ARE FINISHED GRADES.
7. UTILITIES ARE TO BE ADJUSTED BY OTHERS UNLESS INCLUDED IN THE CONSTRUCTION OR OTHERWISE NOTED.
8. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE BROWARD COUNTY ENGINEERING "MINIMUM STANDARDS" AND THE FLORIDA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", 2000 EDITION, EXCEPT AS NOTED.

SEWER MAIN NOTES

1. UNPLASTICIZED POLYVINYL CHLORIDE PIPE AND FITTINGS SHALL MEET THE REQUIREMENTS OF ASTM SPECIFICATION D3034-74, TYPE PSM FOR SDR 35 WITH ELASTOMERIC GASKET JOINTS. PIPE AND FITTINGS SHALL BE MADE OF PVC PLASTIC HAVING A CELL CLASSIFICATION OF 12454-B OR 12454-C AS DESCRIBED IN ASTM SPECIFICATION D-1784. MAXIMUM PIPE LENGTH SHALL BE 12.5 FEET. JOINT SEALS IN PIPE AND FITTINGS SHALL COMPLY WITH ASTM DESIGNATION D 3212.
2. "DETECTO" TAPE, OR EQUAL, IS TO BE PLACED ONE (1) FOOT ABOVE ALL MAINS, WITH GREEN SIDE UP.
3. SEE SHEETS 3 FOR SANITARY SEWER PLAN AND CONSTRUCTION DETAILS.

LEGEND

- PROPOSED STORM SEWER AND INLET
- S-1 STRUCTURE NUMBER
- 8.00 EXISTING ELEVATION
- [8.00] PROPOSED ELEVATION
- EXIST. WATER MAIN/FIRE HYDRANT/VALVE
- PROP. WATER MAIN/FIRE HYDRANT/VALVE
- EXISTING SANITARY SEWER & MANHOLE
- PROPOSED SANITARY SEWER & MANHOLE

DESIGNED BY	JWR	8/04				
DRAWN BY	41903-COV	8/04				
CHECKED BY	JWR	8/04				
APPROVED BY		8/04	REV PER CITY COMMENTS	1	9/23/04	JWR
	NAME	DATE	REVISIONS	NO.	DATE	BY

JOSEPH ROLES AND ASSOC., INC.
CONSULTING ENGINEERS
7501 N.W. 4th STREET, SUITE 101
PLANTATION, FLORIDA 33317
PHONE (954) 581-1945
CERTIFICATE OF AUTHORIZATION NO. 3948

RETAIL CENTER AT WINSTON PARK
LYONS ROAD AND WINSTON PARK BLVD.
COCONUT CREEK, FLORIDA

TYPICAL SECTIONS, NOTES & DETAILS

OCT 12 2004
JOSEPH W. ROLES, JR. P.E.
REG. ENGINEER NO. 16965

DATE: AUGUST, 2004
SCALE: N.T.S.
PROJECT NO. 102-419-03
SHEET NO. 2 OF 10