

- BITUMINOUS, NON-EXTRUDING,

RESILIENT PRE FORMED FILLER

CONCRETE SLAB.

PROVIDE TACK COAT AT VERTICAL JOINT BETWEEN PCC AND

- 18" OF EITHER

- CONCRETE CONSTRUCTION

FREE-DRAINING

SURFICIAL SANDS OR

COMPACTED SUBGRADE

CLEAN, FINE SAND

EXPANSION JOINT

- COLD POUR SINGLE COMPONENT

SEALANT MATERIAL, HEEL PROOF

WITH SHORE A HARDNESS OF 35

OR GREATER. SEALANT IS TO BE

FLUSH WITH PAVING SURFACE.

3/8 " BACKER ROD

CONCRETE SIDEWALK DETAIL

PAVEMENT CONTROL JOINT

CONCRETE / ASPHALT JOINT DETAIL

C-8.0 NOT TO SCALE

ASPHALT CONSTRUCTION -

3/8 "WIDE X 1.5" DEEP

NOT TO SCALE

1/8" RADIUS TYP.

ASPHALTIC CONCRETE-WEARING SURFACE

ASPHALTIC CONCRETE-

BINDER

LIMEROCK BASE

COMPACTED SUB GRADE -

D1751) INSTALLED TO FILL DEPTH OF

ACCESSIBLE PARKING DETAIL

(A) 2.5" ASPHALTIC CONCRETE WEARING SURFACE, TYPE SP-9.5 OR OTHER SUITABLE MIX DESIGN ACCORDING TO FDOT (FDOT SEC. 330, 331 (MARSHAL)), TWO LIFTS. SURFACE COURSES SHOULD HAVE A MINIMUM STABILITY OF 1,500 POUNDS, ASPHALT SHOULD BE COMPACTED TO A MINIMUM OF 95% OF THE MARSHAL DESIGN DENSITY

(REFER TO PLAN)

BOLLARD WITH-

WHITE COLOR.

ADAAG REGULATIONS.

NOTE: ALL ACCESSIBLE RAMP AND ACCESS

AISLES SHALL MEET ALL CODES AND

TACK COAT BETWEEN SURFACE AND BINDER COARSES.

- 8" CRUSHED LIMEROCK BASE WITH MINIMUM LBR OF 100, COMPACTED TO 98% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D-1557). BASE MATERIALS SHOULD MEET THE REQUIREMENTS PRESENTED IN THE LATEST REVISIONS OF THE FLORIDA DEPARTMENT OF TRANSPORTATION "SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", SECTION 911 (LIMESTONE).
- THE SUBGRADE SHOULD BE STABILIZED TO A DEPTH OF 12 INCHES TO ACHIEVE A MINIMUM LBR OF 40. THIS CAN BE OBTAINED BY BLENDING BASE MATERIAL (LIMEROCK) WITH THE EXISTING SUBGRADE SOILS. THE REQUIRED MIXING RATIO SHOULD BE DETERMINED BY LABORATORY TESTING. THE STABILIZED SUBGRADE SHOULD BE COMPACTED TO AT LEAST 95% OF THE MATERIALS MAXIMUM DRY

HEAVY DUTY ASPHALT

-- 7½"STD. 6" MIN. ★

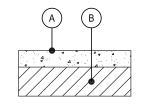
DETAIL IS BASED ON THE GEOTECHNICAL ENGINEERING REPORT, WHICH SHALL GOVERN PAVEMENT AND UNDERLYING SOIL DESIGN, 2. BASE MATERIAL SHALL BE EXTENDED A MINIMUM OF 1 FOOT BEYOND THE BACK OF CURB AND SUB-BASE SHALL BE EXTENDED 1 FOOT MIN. BEYOND THE BASE.

. A MINIMUM SEPARATION OF 18 INCHES BETWEEN THE BOTTOM OF PAVEMENT BASE MATERIALS AND THE ESTIMATED NORMAL SEASONAL HIGH GROUNDWATER TABLE IS RECOMMENDED

FLEXIBLE PAVEMENT DETAIL C-8.0 NOT TO SCALE

18" MODIFIED TYPE F

CURB AND GUTTER



- A STANDARD DUTY CONCRETE: 5" MIN. THICK REINFORCED PORTLAND CEMENT CONCRETE WITH A MIN. COMPRESSIVE STRENGTH OF 4,000 P.S.I.
- A HEAVY DUTY CONCRETE: 6" MIN. THICK REINFORCED PORTLAND CEMENT CONCRETE WITH A MIN. COMPRESSIVE STRENGTH OF 4,000 P.S.I.
- B 18" WELL DRAINING GRANULAR SAND SUBGRADE COMPACTED TO AT LEAST 98% OF THE SOIL'S MODIFIED PROCTOR MAXIMUM DRY DENSITY.

(3) EVENLY SPACED 6" PAINTED CHEVRONS, WHITE COLOR AT

BOLLARD WITH

BLUE COLOR.

WHITE COLOR.

ACCESSIBLE PARKING

- 6" PARKING SPACE STRIPE.

- 6" PARKING SPACE STRIPE.

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NOTE: ALL TRAFFIC FLOW

WHITE PAINT.

ARROWS TO BE REFLECTIVE

C-8.0 NOT TO SCALE

SIGN (AS REQUIRED)

60 DEGREES

NOTE: CONTRACTOR SHALL COMPLY WITH DESIGN DATA AND RECOMMENDATION OF THE FCPA "DESIGN AND CONSTRUCTION OF CONCRETE PAVEMENT MANUAL" AND PORTLAND CEMENT ASSOCIATION FOR CONCRETE PAVEMENT JOINT SPACING, THIS INCLUDES CONTROL/CONSTRUCTION, CONTRACTION AND ISOLATION JOINTS.

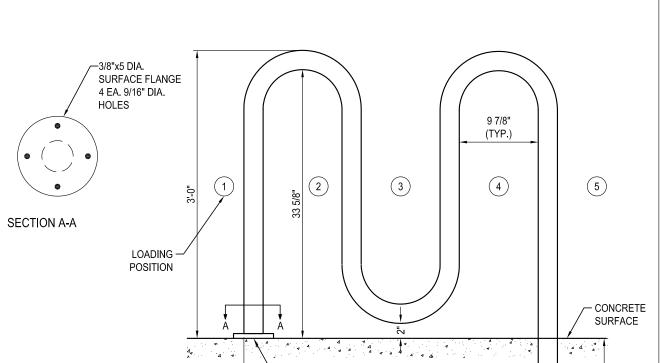
- <u>NOTES:</u>
 1. DETAIL IS BASED ON THE GEOTECHNICAL ENGINEERING REPORT, WHICH SHALL GOVERN PAVEMENT AND UNDERLYING
- SUB-BASE MATERIAL SHALL BE EXTENDED A MINIMUM OF 1 FOOT BEYOND THE BACK OF CURB. WHERE CONCRETE PAVEMENT IS CONSTRUCTED, ALL ADJACENT CURBING SHALL BE INTEGRAL CURB.

EXPANSION JOINT 1/2'

FIBERBOARD FILLER

- . CONCRETE PAVEMENT SHOULD BE CONSTRUCTED ONLY OVER STABLE AND SMOOTH COMPACTED SUBGRADES. ANY SURFACE DISTURBANCES OR WHEEL RUTTING SHOULD BE PREPARED PRIOR TO PLACEMENT OF CONCRETE. THE SUBGRADE SHOULD BE THOROUGHLY WETTED IMMEDIATELY PRIOR TO THE PLACEMENT OF CONCRETE TO MINIMIZE ABSORPTION OF MOISTURE FROM THE CONCRETE DURING CURING.
- 6. CONCRETE PAVEMENT THICKNESS SHOULD BE UNIFORM THROUGHOUT, WITH THE EXCEPTION OF CURBING OR
- PAVEMENT DESIGN BASED ON "GUIDE FOR DESIGN AND CONSTRUCTION OF CONCRETE PARKING LOTS" (AMERICAN
- 8. TESTING TYPE AND FREQUENCY SHALL CONFORM TO FDOT SPECIFICATIONS AND LOCAL JURISDICTIONAL REQUIREMENTS.

RIGID PAVEMENT DETAIL C-8.0 NOT TO SCALE



8 CURB AND GUTTER DETAILS (C-8.0) NOT TO SCALE

1/2" PRE-FORMED EXPANSION JOINTS REQUIRED AT ALL STRUCTURES AND RADIUS POINTS, WITH 40' MAXIMUM SPACING.

. WHEN USED ON HIGH SIDE OF PAVEMENT, THE CROSS SLOPE OF THE GUTTER SHALL MATCH THE CROSS SLOPE OF THE

 st WHEN USED ON HIGH SIDE OF ROADWAYS, THE CROSS SLOPE OF THE GUTTER SHALL MATCH THE CROSS SLOPE OF THE

- CONC./PVMT

— ½" EXP. JOINT AND

FILLER

I. CONCRETE SHALL BE FDOT CLASS I WITH 2,500 PSI MINIMUM 28-DAY COMPRESSIVE STRENGTH.

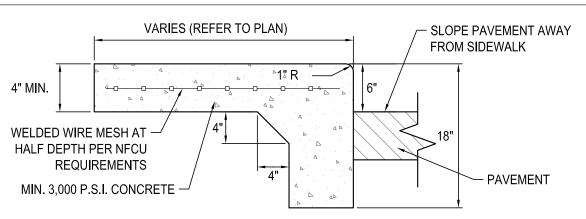
TYPE D CURB

PREFORMED JOINT

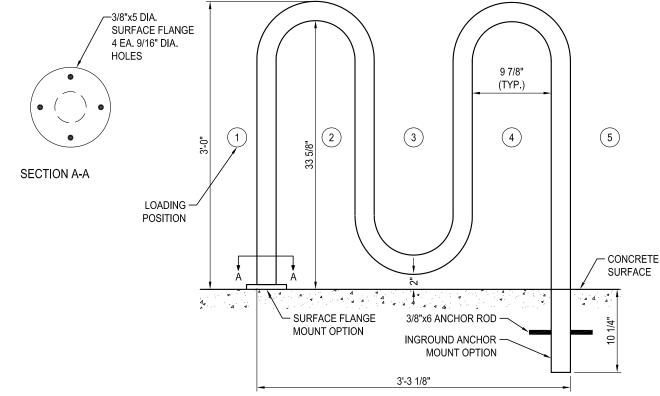
SPACE CONTRACTION JOINTS AT INTERVALS NOT TO EXCEED 10 FEET AND A MINIMUM SPACING OF 4 FEET

ADJACENT PAVEMENT. THE THICKNESS OF THE LIP SHALL BE 6" LINLESS OTHERWISE SHOWN ON PLANS

ADJACENT PAVEMENT. THE THICKNESS OF THE LIP SHALL BE 6", UNLESS OTHERWISE SHOWN ON PLANS



INTEGRAL SIDEWALK CURB DETAIL C-8.0 NOT TO SCALE



MATERIAL: 2 3/8" O.D. PIPE SCHEDULE 40 GALVANIZED STEEL PIPE, 0.154" WALL THICKNESS 2. 2.5' MIN. CLEARANCE IF MOUNTED PARALLEL TO WALL, WITH 4.5' CLEARANCE ON THE OTHER

SIDE FOR A PARKED BICYCLE. 3. 1.5' MIN. CLEARANCE IF MOUNTED PERPENDICULAR TO WALL

> BIKE RACK DETAIL (C-8.0) NOT TO SCALE



SPECIFICATIONS FOR EXISTING TREES TO REMAIN

PROTECTIVE BARRIERS ARE USED DURING LAND ALTERATION AND CONSTRUCTION ACTIVITIES TO PROTECT TREES AND NATURAL AREAS TO BE RETAINED ON A SITE.

NOTES: BOLLARD SHALL BE

SAFETY YELLOW.

BOLLARD SHALL BE

SCHEDULE 80 STEEL

3. CONCRETE SHALL HAVE A

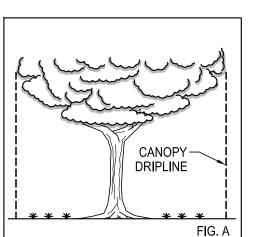
STRENGTH OF 3000 PSI.

MINIMUM COMPRESSIVE

PAINTED RUSTOLEUM

V7400 SERIES 245749

PROTECTIVE BARRIERS MUST BE ERECTED AROUND TREES TO BE RETAINED WITHIN AN AREA WHERE LAND ALTERATION AND CONSTRUCTION ACTIVITIES WILL OCCUR AS WELL AS ALONG NATURAL AREAS WHERE SUCH AREAS ARE ADJACENT TO PERMITTED LAND ALTERATION OR CONSTRUCTION ACTIVITIES. A PROTECTIVE BARRIER MUST REMAIN IN PLACE UNTIL THE LAND ALTERATION AND CONSTRUCTION ACTIVITIES ARE COMPLETED OR UNTIL COMMENCEMENT OF GRADE FINISHING AND SODDING. NO GROUND DISTURBANCE MUST OCCUR WITHIN THE BARRICADED AREA. THE FOLLOWING REPRESENTS THE COUNTY'S MINIMUM PROTECTIVE BARRIER SPECIFICATIONS.



DRIPLINE

1'-4"R

LEFT TURN

RIGHT TURN

PAVEMENT ARROW DETAIL

1. TREES - TO RESTRICT ACCESS INTO THE AREA WITHIN THE CANOPY DRIPLINE OF A TREE, A PHYSICAL STRUCTURE NOT LESS THAN 3 FEET IN HEIGHT, COMPRISED OF WOOD OR OTHER SUITABLE MATERIAL, IS PLACED AROUND THE TREE AT THE CANOPY DRIPLINE, EXCEPT WHERE LAND ALTERATION OR CONSTRUCTION ACTIVITIES ARE APPROVED WITHIN THE CANOPY DRIPLINE.

BOLLARD DETAIL

C-8.0 NOT TO SCALE

THE **CANOPY DRIPLINE** OF A TREE IS THE IMAGINARY, VERTICAL LINE THAT EXTENDS DOWNWARD FROM THE OUTERMOST TIPS OF THE TREE'S BRANCHES TO THE GROUND. (FIG. A)

BARRIER SPECIFICATIONS FOR TREES:

FOUR CORNER UPRIGHT STAKES OF NO LESS THAN 2"X 2" LUMBER CONNECTED BY HORIZONTAL MEMBERS OF NO LESS THAN 1"X 4" LUMBER; OR UPRIGHT STAKES SPACED AT 5' INTERVALS OF NO LESS THAN 2"X 2" LUMBER CONNECTED BY SILT SCREEN FABRIC OR MATERIAL OF COMPARABLE DURABILITY. (FIG. B)

. NATURAL AREAS - TO RESTRICT ACCESS INTO AREAS WHERE LAND ALTERATION AND CONSTRUCTION ACTIVITIES ARE NOT AUTHORIZED A PHYSICAL STRUCTURE NOT LESS THAN 3 FEET IN HEIGHT IS PLACED ALONG THE PERIMETER OF SUCH AREAS.

BARRIER SPECIFICATIONS FOR NATURAL AREAS:

UPRIGHT STAKES OF NO LESS THAN 2"X 2" LUMBER SPACED NO MORE THAN 25' APART AND CONNECTED BY TWINE FLAGGED WITH PLASTIC SURVEYING TAPE AT REGULAR INTERVALS OF 5-10', (FIG. C) OTHER METHODS OF DEMARCATION WILL BE CONSIDERED DEPENDING UPON THE CHARACTERISTICS OF THE SITE.

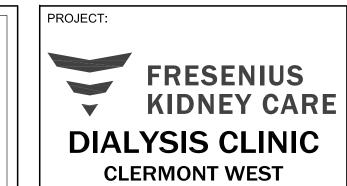
WHY A BARRIER

- 1. TO PROTECT ALL ABOVE GROUND PORTIONS OF TREES AND OTHER SIGNIFICANT VEGETATION FROM MECHANICAL DAMAGE.
- 2. TO PROTECT ROOT SYSTEMS FROM COMPACTION.
- 3. TO PROVIDE AWARENESS OF PROTECTED AREAS TO EQUIPMENT OPERATORS.



C-8.0 NOT TO SCALE

DOCUMENT USER IS RESPONSIBLE FOR VERIFICATION OF ALTERED SCALE FROM REPRODUCTION PROCESSES.



LOCATION:

6" DIAM. CONCRETE-

4" DIAM. CONCRETE-

SLOPE TO GRADE

14" LONG #6 REBARS

16" CONCRETE DIA. @

CONCRETE @ 6" POST

4" POST 24" DIAM.

(4 EACH POST)

GRADE LEVEL

FILLED STEEL GUARD

FILLED STEEL GUARD

(ADDRESS TO BE ASSIGNED) N.W.Q. OF C.R. 565A & S.R. 50 GROVELAND LAKE COUNTY, FL 34736

DEVELOPER:

DOUGLAS C. McNAB, **ARCHITECT**

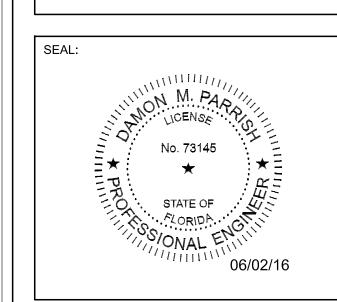
8148 OLD FEDERAL ROAD MONTGOMERY, AL 36117 TEL (334) 271-3015

ENGINEER:

FL CA 26115 Foresite Group, Inc. **o** | 813.549.3250 10150 Highland Manor Dr. **f** | 813.621.3580 Suite 210

w | www.fg-inc.net

Tampa, FL 33610



REVISIONS	DAT
PROJECT MANAGER:	
DRAWING BY:	J

JURISDICTION: CITY OF GROVELAND, FL DATE: 19 MAY 2016

GENERAL DETAILS

SHEET NUMBER: C - 8.0

SCALE:

JOB/FILE NUMBER:

865.001