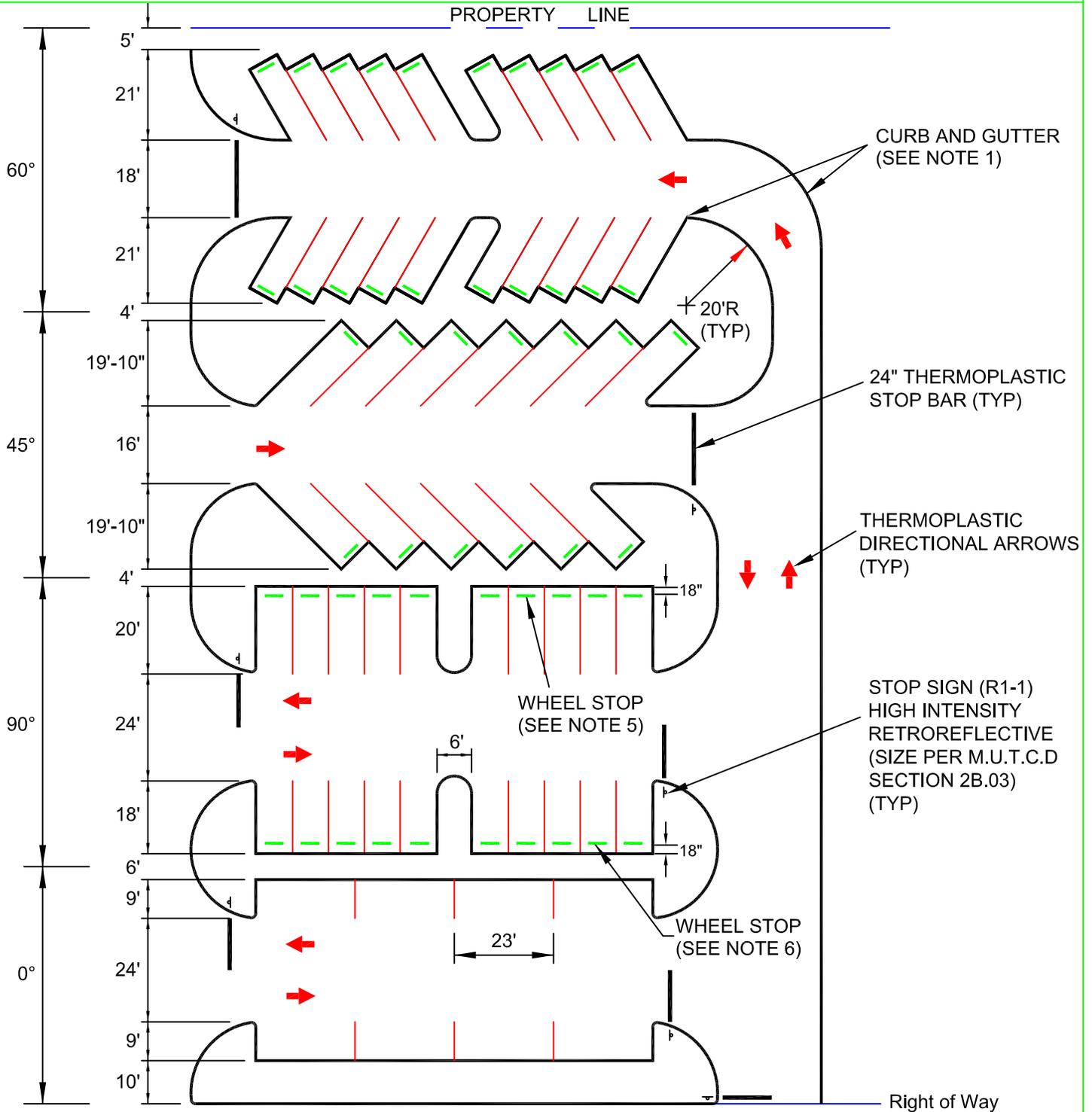


PUBLIC WORKS & UTILITIES ENGINEERING & DESIGN STANDARDS



NOTES:

1. REFER TO STANDARD DETAIL MI009 FOR CURB AND GUTTER SPECIFICATIONS.
2. REFER TO STANDARD DETAILS MI001 THROUGH MI007 FOR ACCESSIBLE PARKING AND STRIPING SPECIFICATIONS.
3. DIRECTIONAL ARROWS AND STOP BARS SHALL BE THERMOPLASTIC, AND SHALL BE PROVIDED AT ENDS OF ALL DRIVE AISLES AND AT DRIVEWAY CUTS TO RIGHT OF WAY.
4. PARKING STALL STRIPING SHALL BE MINIMUM 4" WIDE, FDOT TRAFFIC-RATED WHITE PAINT.
5. CURBING OR WHEEL STOPS ARE REQUIRED TO PROTECT LANDSCAPE AREAS FROM VEHICULAR ENCROACHMENT.
6. REFER TO SEC. 3.41.4.2 DESIGN STANDARDS, FOR REDUCTION OF PERPENDICULAR SPACES TO 18'. REFER TO SEC. 8.2.2.1 (d), INTERNAL LANDSCAPING REGULATIONS FOR DIVIDING STRIPS AND ISLANDS.

DETAIL N.T.S.



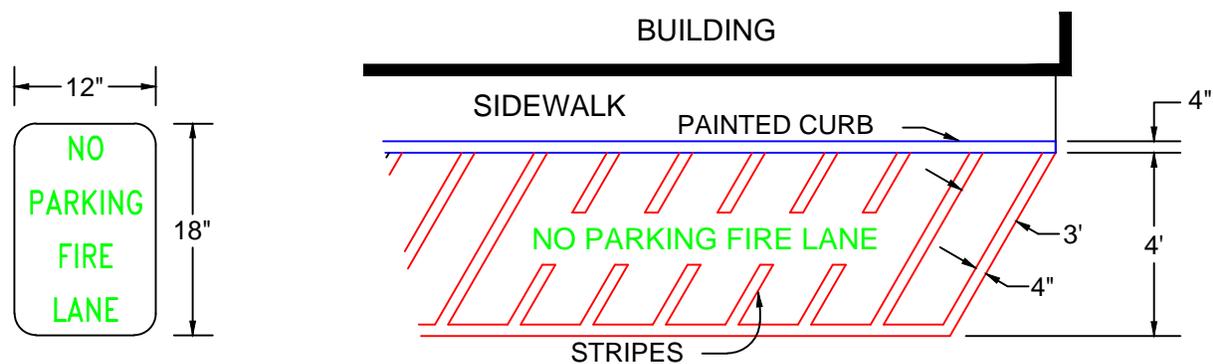
TYPICAL PARKING LOT LAYOUT

MI001-2

ISSUED 2015

REVISED 09/17/2015 BY DJB

CITY OF ALTAMONTE SPRINGS
950 CALABRIA DRIVE
ALTAMONTE SPRINGS, FLORIDA 32714



FIRE VEHICLE ACCESS ROUTES MARKING

1. SIGNS SHALL BE TWELVE (12) INCHES WIDE BY EIGHTEEN (18) INCHES IN HEIGHT, WHITE WITH THREE-INCH HIGH RED LETTERS NOT LESS THAN ONE-HALF INCH WIDE TO READ "NO PARKING FIRE LANE".
2. SIGNS SHALL BE DOUBLE FACED, FACE THE DIRECTION OF TRAFFIC FLOW AND SPACED NOT GREATER THAN SIXTY (60) FEET APART. NO PART OF THE FIRE LANE SHALL BE FURTHER THEN 30 FEET FROM A SIGN.
3. SIGNS SHALL BE MOUNTED ON METAL POSTS, NOT LESS THAN TWO (2) INCHES IN SIZE WITH BOTTOM OF SIGN NOT LESS THAN SEVEN (7) FEET FROM GRADE TO BOTTOM OF SIGN.
4. WHERE A CURB IS PROVIDED, FOUR INCHES (4") OF CURB TOP AND FACE TO BE TRAFFIC YELLOW (FDOT TRAFFIC RATED PAVEMENT PAINT). STRIPES FOUR INCHES (4") WIDE EXTENDING OUTWARD TO A WIDTH OF FOUR (4) FEET FROM CURB WITH THREE (3) FEET BETWEEN EACH STRIPE. STRIPING TO BE TWO (2) COATS OF TRAFFIC YELLOW, FDOT TRAFFIC-RATED PAVEMENT PAINT.
5. LETTERS NOT LESS THAN FOUR (4) INCHES IN HEIGHT AND NOT LESS THAN TWO (2) INCHES IN WIDTH WITHIN THE STRIPING (BETWEEN THE POSTED SIGNS) TO READ "NO PARKING FIRE LANE". LETTERING TO BE TRAFFIC YELLOW FDOT TRAFFIC RATED PAVEMENT PAINT.
6. SIGNS AND PAINTING ARE TO BE MAINTAINED BY THE PROPERTY OWNER.



PUBLIC WORKS & UTILITIES ENGINEERING & DESIGN STANDARDS

NOTE:

The minimum number of ADA parking spaces shall comply with the following table:

TOTAL PARKING SPACES	REQUIRED NUMBER OF ACCESSIBLE SPACES
Up to 25.....	1
26 to 50.....	2
51 to 75.....	3
76 to 100.....	4
101 to 150.....	5
151 to 200.....	6
201 to 300.....	7
301 to 400.....	8
401 to 500.....	9
501 to 1000.....	2% of Total
Over 1000.....	20 plus 1 for each 100 over 1000

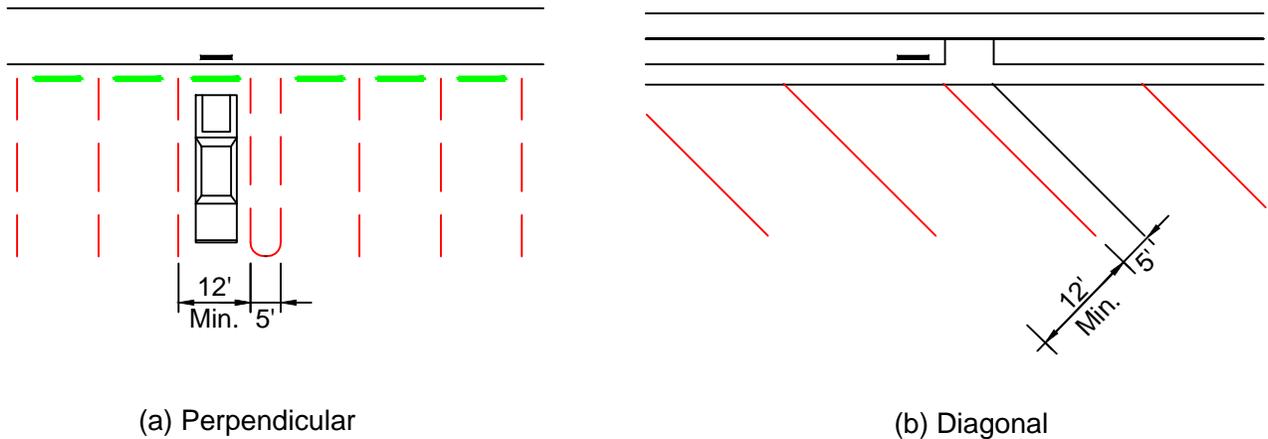


FIG. 1

Accessible parking spaces shall be provided in accordance with current Florida Statutes, including the following notes:

1. Any commercial real estate property owner offering parking for the general public shall provide specially designed and marked motor vehicle parking spaces for the exclusive use of physically disabled persons who have been issued parking permits pursuant to state law.
2. All spaces shall have an accessible curb-ramp or curb-cut to allow access to the building served. It shall be located so that users will not be compelled to wheel behind parked vehicles.



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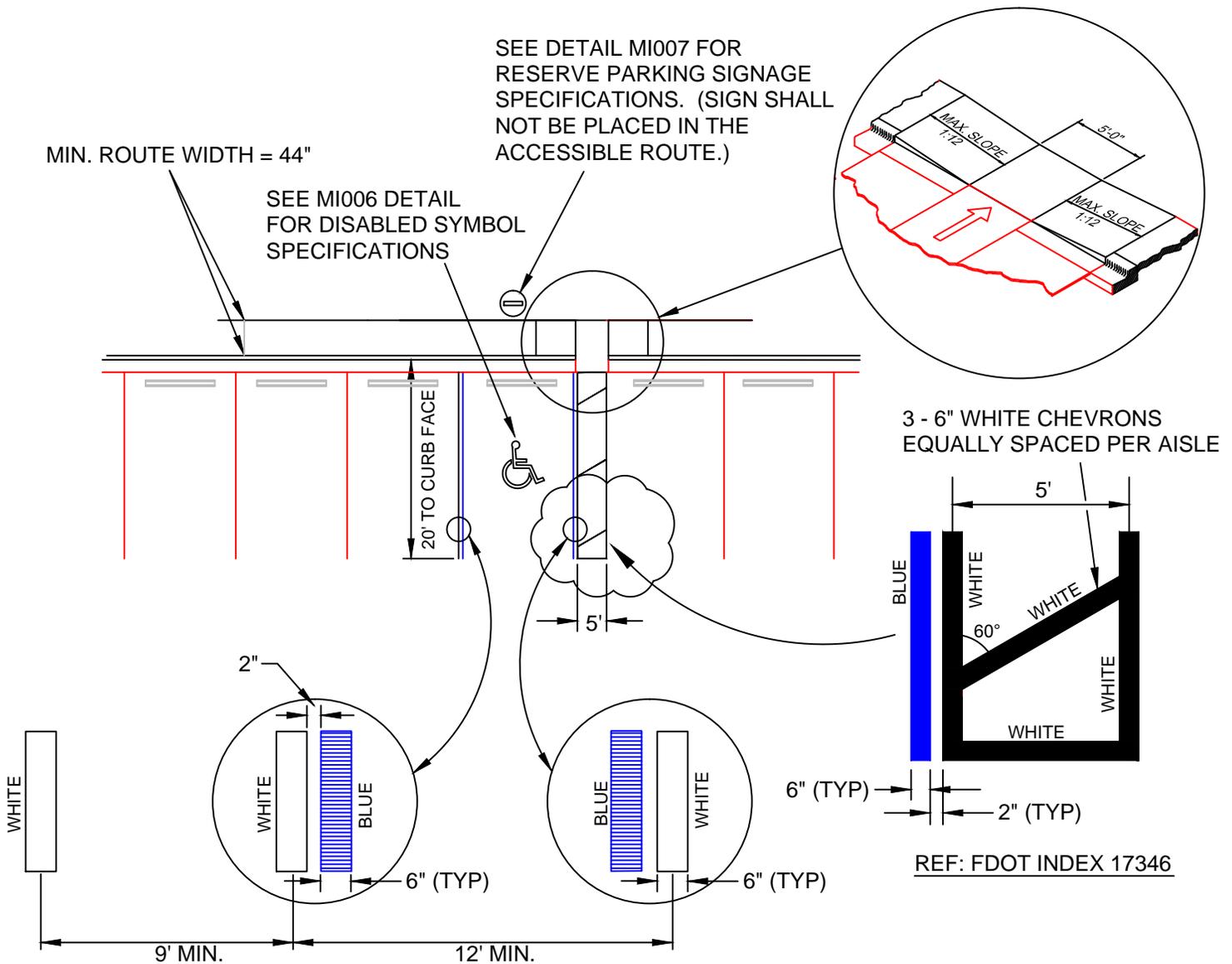
ACCESSIBLE PARKING SPACES

MI003-1

ISSUED 2015

REVISED 03/31/2015 BY DJB

PUBLIC WORKS & UTILITIES ENGINEERING & DESIGN STANDARDS



NOTES:

1. EACH SUCH PARKING SPACE SHALL BE CONSPICUOUSLY STRIPED IN BLUE PAINT, AND SHALL BE POSTED AND MAINTAINED WITH A PERMANENT, ABOVE-GRADE SIGN BEARING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY, AND THE CAPTION "PARKING BY DISABLED PERMIT ONLY". SUCH SIGNS SHALL NOT BE OBTUSURED BY A VEHICLE PARKED IN THE SPACE. ALL DISABLED PARKING SPACES MUST BE SIGNED AND MARKED IN ACCORDANCE WITH THE STANDARDS ADOPTED BY THE DEPARTMENT OF TRANSPORTATION.
2. PARKING SPACE WIDTH AND ACCESS AISLES SHALL BE MEASURED FROM CENTER OF WHITE STRIPE TO CENTER OF WHITE STRIPE.
3. THIS DETAIL IS PROVIDED TO SUPPORT LDC SECTION 3.41.3.2
4. WHERE CURBING EXISTS PARALLEL TO STALL, BLUE LINE SHALL BE REQUIRED ADJACENT TO CURB (WHITE LINE WILL NOT BE REQUIRED).
5. CURB RAMPS CONSTRUCTED ON EXISTING SITES OR FACILITIES MAY HAVE SLOPES AND RISES AS ALLOWED IN ADA 4.1.6 (3) (a) IF SPACE LIMITATIONS PROHIBIT THE USE OF A 1:12 SLOPE OR LESS.



CITY OF ALTAMONTE SPRINGS
950 CALABRIA DRIVE
ALTAMONTE SPRINGS, FLORIDA 32714

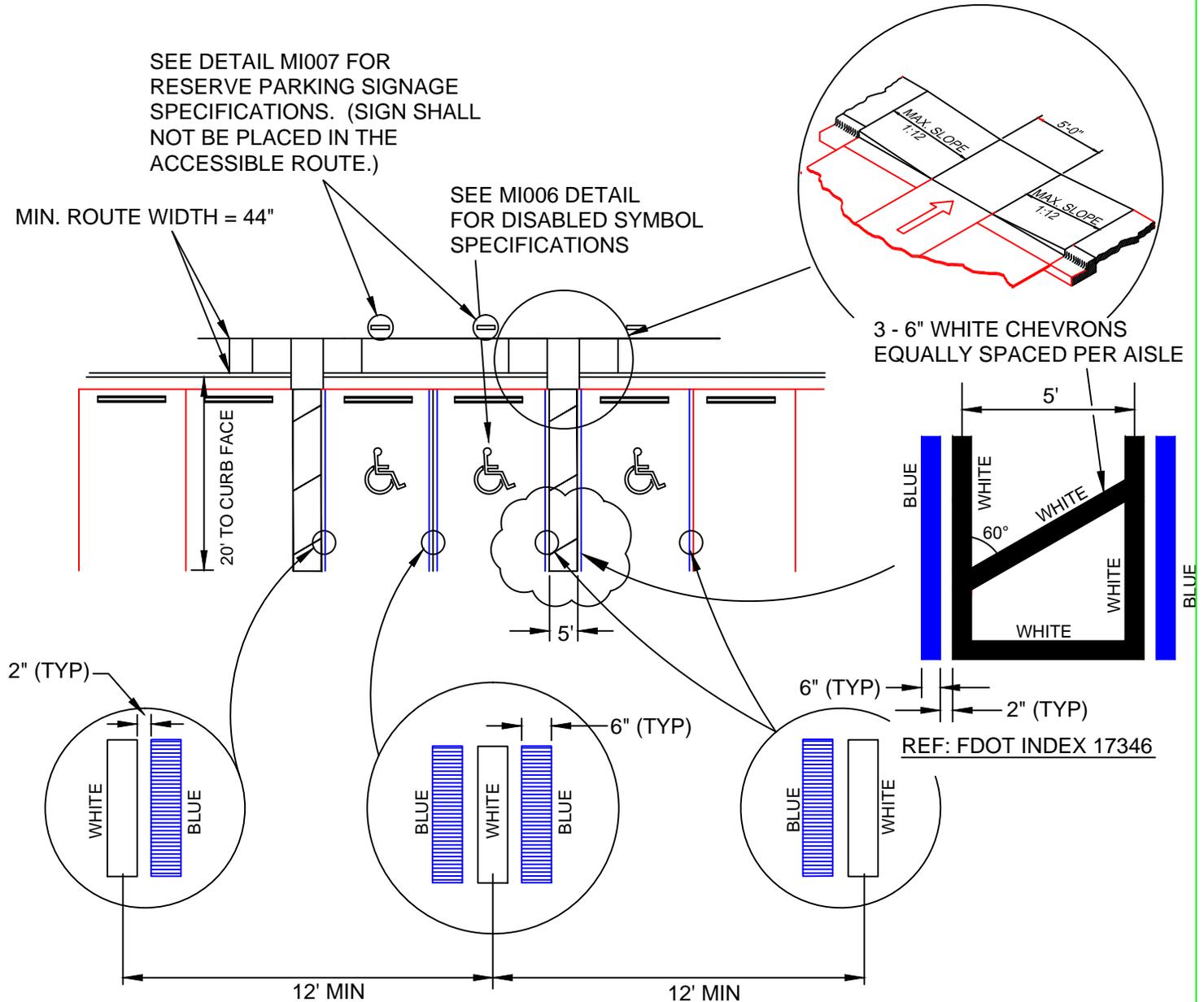
ACCESSIBLE PARKING - SINGLE SPACE STRIPING

MI004-5

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PUBLIC WORKS & UTILITIES ENGINEERING & DESIGN STANDARDS



NOTES:

1. EACH SUCH PARKING SPACE SHALL BE CONSPICUOUSLY STRIPED IN BLUE PAINT, AND SHALL BE POSTED AND MAINTAINED WITH A PERMANENT, ABOVE-GRADE SIGN BEARING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY, AND THE CAPTION "PARKING BY DISABLED PERMIT ONLY". SUCH SIGNS SHALL NOT BE OBSCURED BY A VEHICLE PARKED IN THE SPACE. ALL DISABLED PARKING SPACES MUST BE SIGNED AND MARKED IN ACCORDANCE WITH THE STANDARDS ADOPTED BY THE DEPARTMENT OF TRANSPORTATION.
2. PARKING SPACE WIDTH AND ACCESS AISLES SHALL BE MEASURED FROM CENTER OF WHITE STRIPE TO CENTER OF WHITE STRIPE.
3. THIS DETAIL IS PROVIDED TO SUPPORT LDC SECTION 3.41.3.2
4. WHERE CURBING EXISTS PARALLEL TO STALL, BLUE LINE SHALL BE REQUIRED ADJACENT TO CURB (WHITE LINE WILL NOT BE REQUIRED).
5. CURB RAMPS CONSTRUCTED ON EXISTING SITES OR FACILITIES MAY HAVE SLOPES AND RISES AS ALLOWED IN ADA 4.1.6 (3) (a) IF SPACE LIMITATIONS PROHIBIT THE USE OF A 1:12 SLOPE OR LESS.



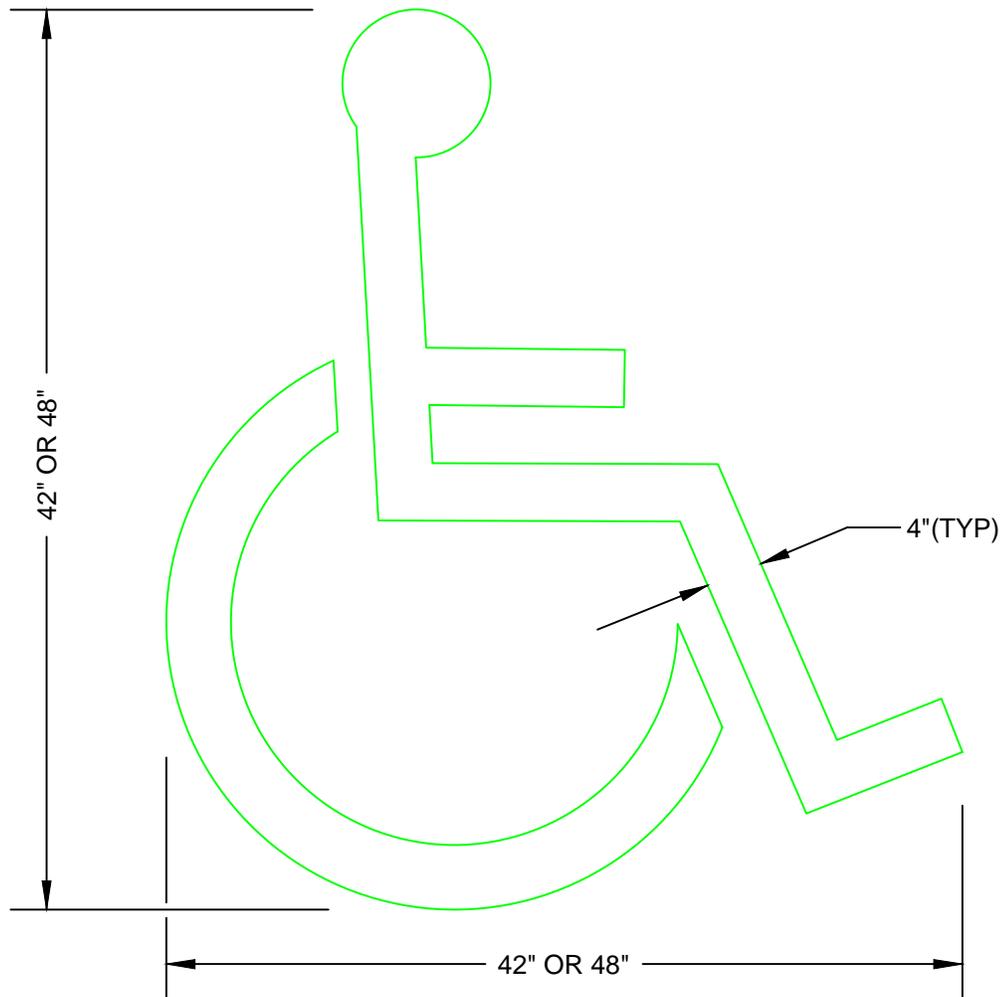
CITY OF ALTAMONTE SPRINGS
950 CALABRIA DRIVE
ALTAMONTE SPRINGS, FLORIDA 32714

ACCESSIBLE PARKING - MULTIPLE SPACE STRIPING

MI005-5

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NOTE:

THIS SYMBOL TO BE WHITE D.O.T. TRAFFIC RATED PAINT



CITY OF ALTAMONTE SPRINGS
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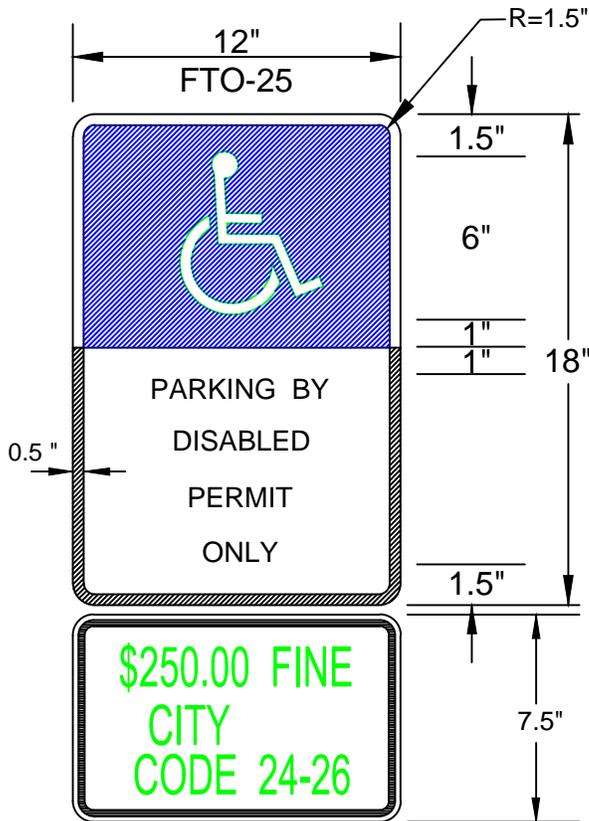
**ACCESSIBLE PARKING -
PAVEMENT SYMBOL
REQUIREMENTS**

MI006-1

ISSUED 2015

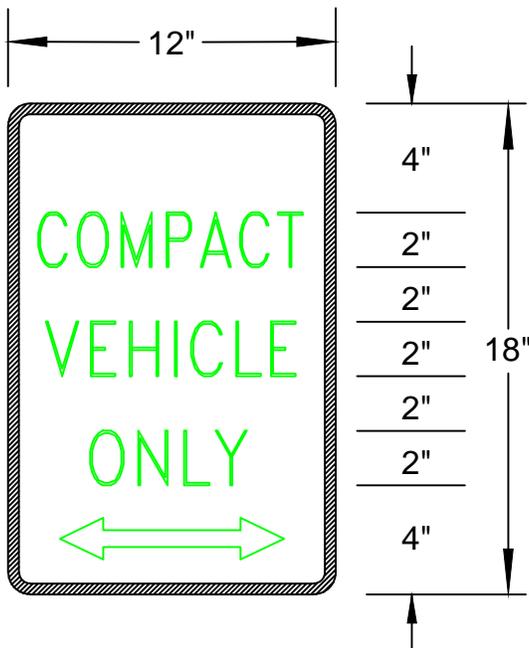
REVISED 03/31/2015 BY DJB

PUBLIC WORKS & UTILITIES ENGINEERING & DESIGN STANDARDS



NOTES: (DISABLED SIGN ONLY)

1. ALL LETTERS SHALL BE BLACK AND 1" IN HEIGHT AND SPACED 1" APART. LETTERS ARE TO BE SERIES "B" OR "C", PER MUTCD.
2. TOP PORTION OF SIGN SHALL HAVE REFLECTORIZED (ENGINEERING GRADE) BLUE BACKGROUND WITH WHITE REFLECTORIZED LEGEND AND BORDER.
3. BOTTOM PORTION OF SIGN SHALL HAVE A REFLECTORIZED (ENGINEERING GRADE) WHITE BACKGROUND WITH BLACK BORDER.
4. ONE SIGN REQUIRED FOR EACH PARKING SPACE.
5. THE MINIMUM HEIGHT, MEASURED VERTICALLY FROM THE BOTTOM OF THE SIGN TO THE TOP OF THE CURB, OR IN THE ABSENCE OF CURB, MEASURED VERTICALLY FROM THE BOTTOM OF THE SIGN TO THE ELEVATION OF THE NEAR EDGE OF THE TRAVELED WAY SHALL BE 7 FEET.



NOTES: (COMPACT PARKING SIGN ONLY)

1. SIGNS SHALL HAVE A REFLECTORIZED (ENGINEERING GRADE) WHITE BACKGROUND WITH GREEN REFLECTORIZED LETTERS AND BORDER.
2. ONE SIGN REQUIRED FOR EACH PARKING SPACE, OR AS REQUIRED ON SITE PLAN.
3. GREEN ARROW TO BE USED AS NEEDED FOR CLARIFICATION.
4. THE MINIMUM HEIGHT, MEASURED VERTICALLY FROM THE BOTTOM OF THE SIGN TO THE TOP OF THE CURB, OR IN THE ABSENCE OF CURB, MEASURED VERTICALLY FROM THE BOTTOM OF THE SIGN TO THE ELEVATION OF THE NEAR EDGE OF THE TRAVELED WAY SHALL BE 7 FEET.



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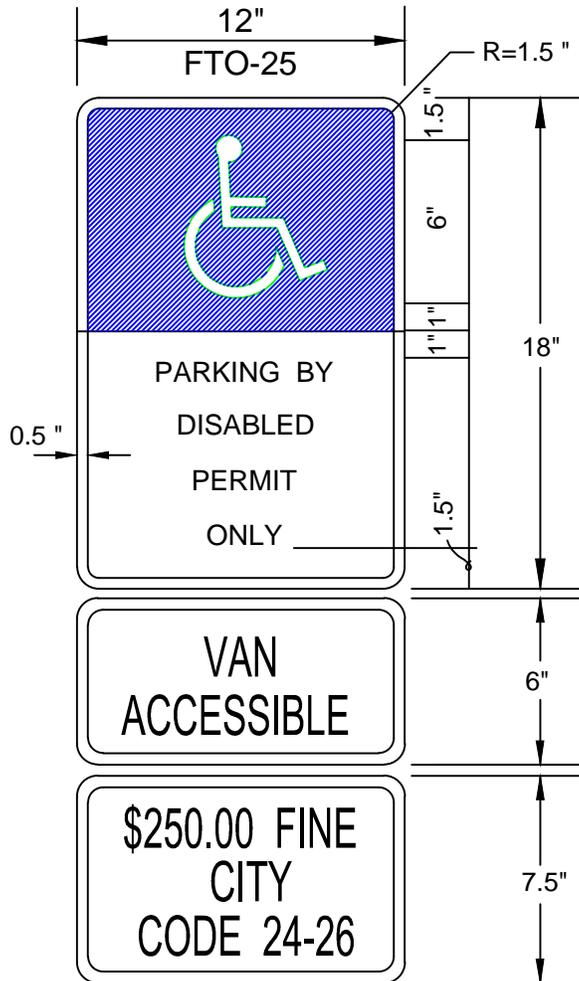
RESERVED PARKING SIGNAGE

MI007-2A

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PUBLIC WORKS & UTILITIES ENGINEERING & DESIGN STANDARDS



NOTES:

1. ALL LETTERS SHALL BE BLACK AND 1" IN HEIGHT AND SPACED 1" APART. LETTERS ARE TO BE SERIES "B" OR "C", PER MUTCD.
2. TOP PORTION OF SIGN SHALL HAVE REFLECTORIZED (ENGINEERING GRADE) BLUE BACKGROUND WITH WHITE REFLECTORIZED LEGEND AND BORDER.
3. BOTTOM PORTION OF SIGN SHALL HAVE A REFLECTORIZED (ENGINEERING GRADE) WHITE BACKGROUND WITH BLACK BORDER.
4. ONE SIGN REQUIRED FOR EACH PARKING SPACE.
5. THE MINIMUM HEIGHT, MEASURED VERTICALLY FROM THE BOTTOM OF THE SIGN TO THE TOP OF THE CURB, OR IN THE ABSENCE OF CURB, MEASURED VERTICALLY FROM THE BOTTOM OF THE SIGN TO THE ELEVATION OF THE NEAR EDGE OF THE TRAVELED WAY SHALL BE 7 FEET.
6. OPTION: THE HEIGHT TO THE BOTTOM OF THE TWO (2) SECONDARY SIGNS MOUNTED BELOW ANOTHER SIGN MAY BE SIX FEET (6').



CITY OF ALTAMONTE SPRINGS
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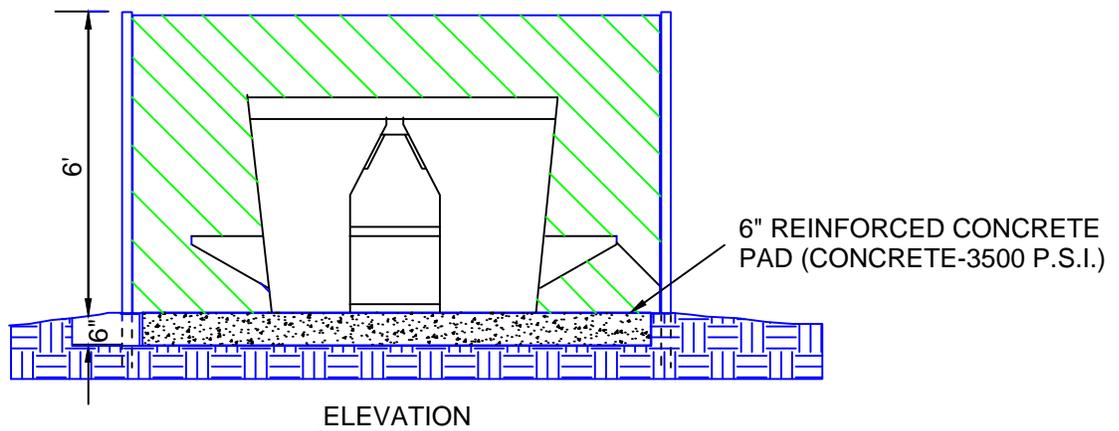
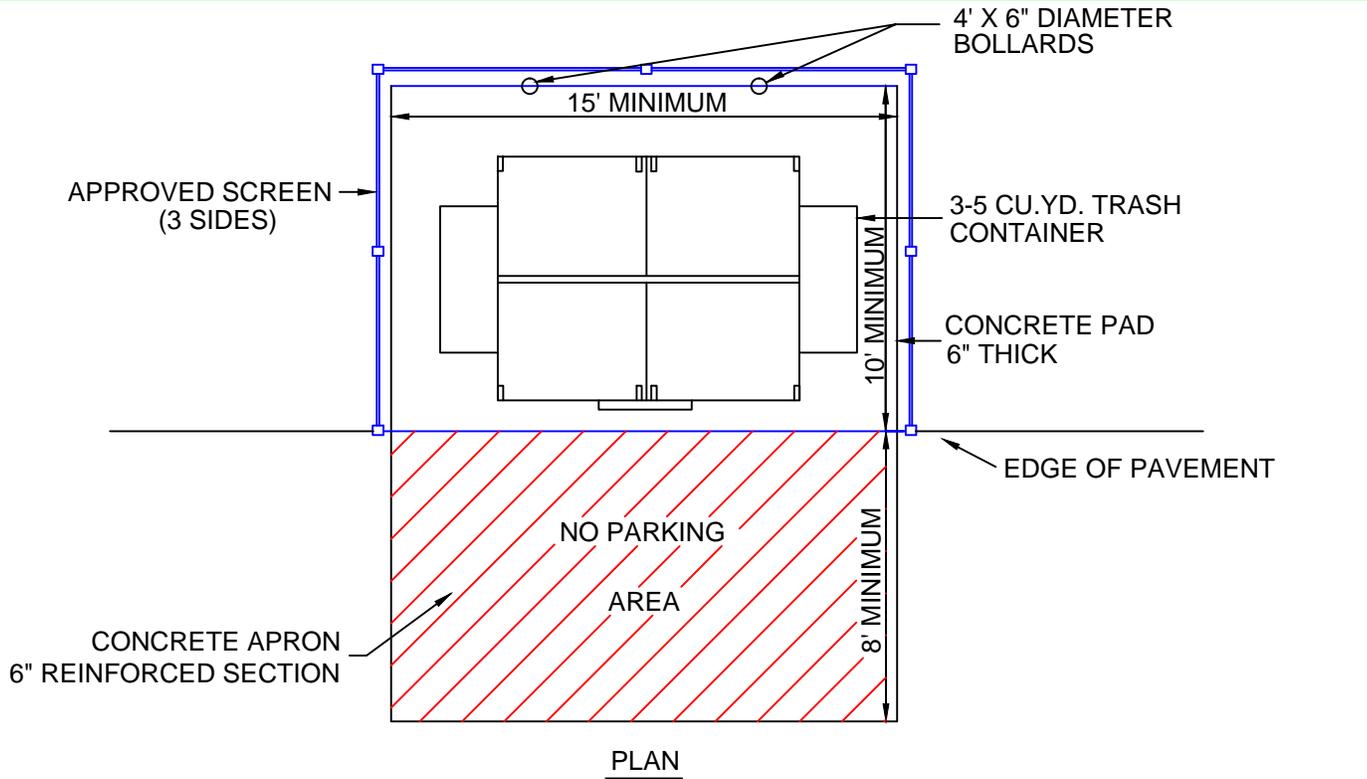
RESERVED PARKING SIGNAGE

MI007-2B

ISSUED 2015

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PUBLIC WORKS & UTILITIES ENGINEERING & DESIGN STANDARDS



NOTES:

1. DUMPSTER PAD AND ENCLOSURE ANGLE TO DIRECTION OF DRIVE AISLE SHALL NOT EXCEED 30°.
2. A STRAIGHT LINE MANEUVERING DISTANCE OF 55' MUST BE PROVIDED FOR REFUSE VEHICLE ACCESS.
3. THE AREA ABOVE THE ENCLOSURE MUST BE FREE OF WIRES AND OTHER OVERHEAD OBSTRUCTIONS.
4. SCREENING MATERIAL MUST BE INDICATED FOR REVIEW BY THE CITY. REFER TO LAND DEVELOPMENT CODE, SECTION 6.1.15, FOR APPROVED MATERIALS. WALL FINISH MUST MATCH BUILDING FINISH.
5. DOORS ENCLOSING THE DUMPSTER PAD ARE REQUIRED.
6. THE DESIGNER MUST CONTACT A CITY FRANCHISED WASTE HAULER TO DETERMINE REQUIRED CONTAINER AND PAD SIZE.
7. PAD MUST PROVIDE POSITIVE DRAINAGE TO A STORM WATER SYSTEM.
8. DESIGNER MUST DEMONSTRATE, USING STANDARD TEMPLATES, THE REFUSE VEHICLE ACCESS ROUTE TO AND FROM THE DUMPSTER ENCLOSURE.
9. THIS DETAIL APPLIES TO BOTH REFUSE AND RECYCLING ENCLOSURES.



DUMPSTER PAD & ENCLOSURE

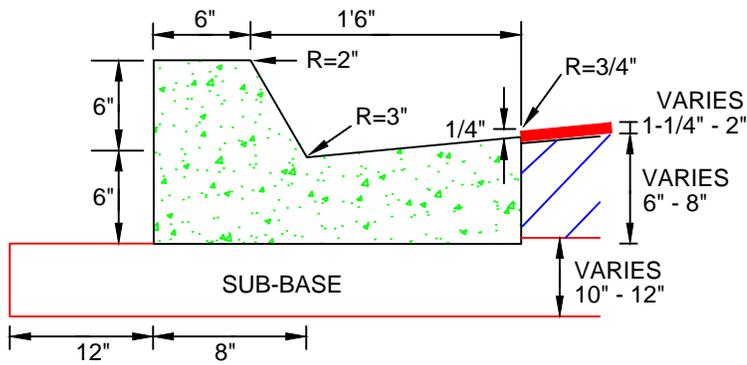
MI008-3

ISSUED 2015

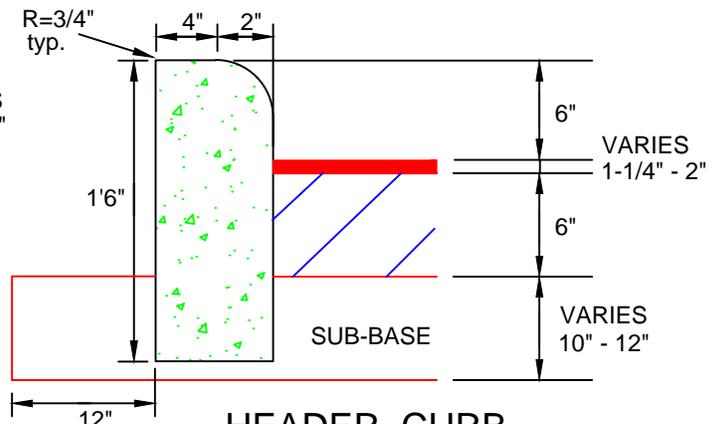
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950 CALABRIA DRIVE
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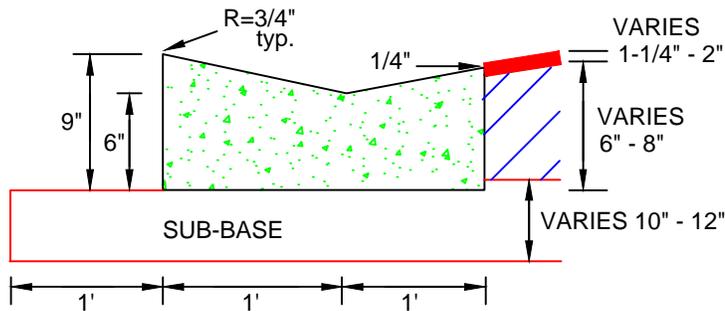
PUBLIC WORKS & UTILITIES ENGINEERING & DESIGN STANDARDS



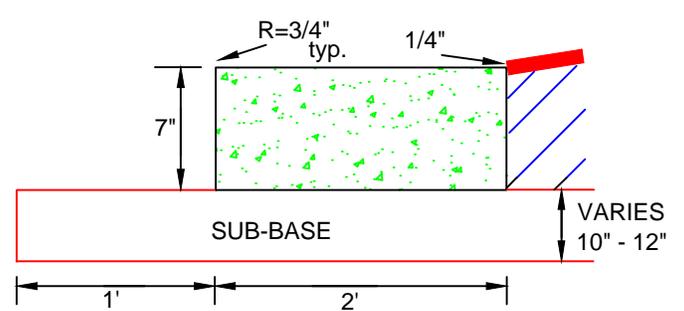
F.D.O.T. TYPE "F" CURB



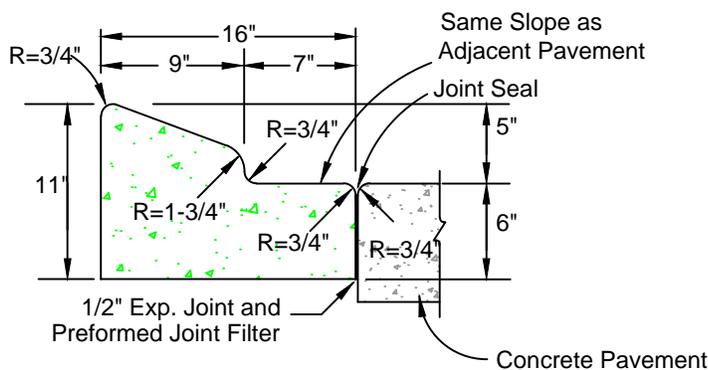
HEADER CURB



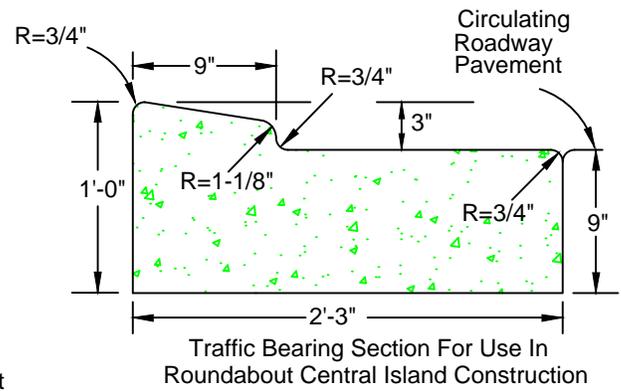
MIAMI CURB



RIBBON CURB



TYPE "A" CURB



TYPE "RA" CURB

NOTES:

1. ALL CURBS TO BE CONSTRUCTED OF 28 DAY, 3,000 P.S.I. CONCRETE.
2. 1/2" PRE-MOLDED EXPANSION JOINT REQUIRED EVERY 500', CONSTRUCTION JOINT REQUIRED EVERY 10' MAXIMUM (4' MINIMUM).
3. 1/2" PRE-MOLDED EXPANSION JOINT REQUIRED AT EACH SIDE OF ALL STORM INLET STRUCTURES AND AT ALL RADIUS POINTS.
4. SUB-BASE TO BE COMPACTED AND TESTED TO 98% MINIMUM DENSITY WITH MINIMUM L.B.R. 40 BASED ON AASHTO T-180 MODIFIED PROCTOR TEST.
5. EXPANSION JOINT MATERIAL MUST COVER THE ENTIRE CROSS SECTION OF CURB.



CITY OF ALTAMONTE SPRINGS
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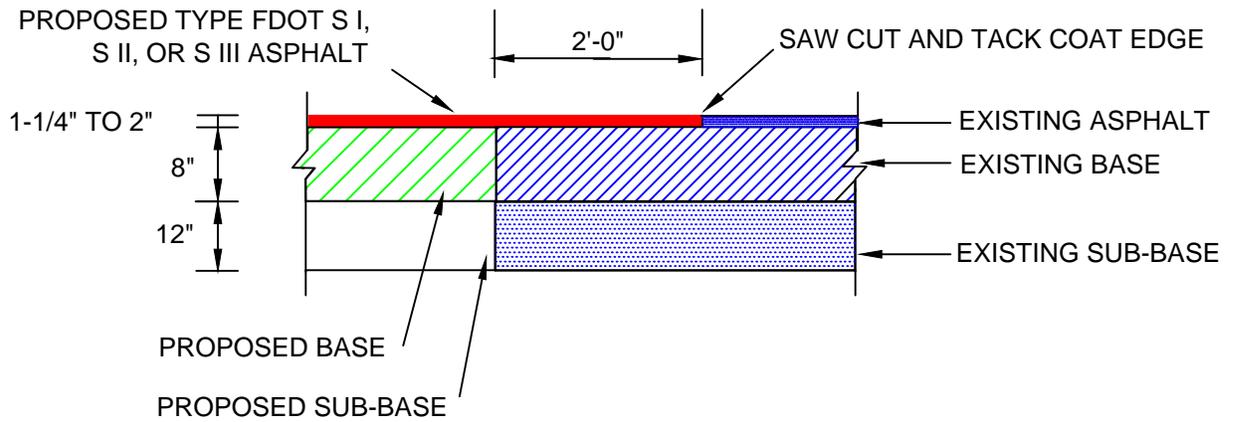
STANDARD CURB CONSTRUCTION

MI009-2

ISSUED 2015

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PUBLIC WORKS & UTILITIES ENGINEERING & DESIGN STANDARDS



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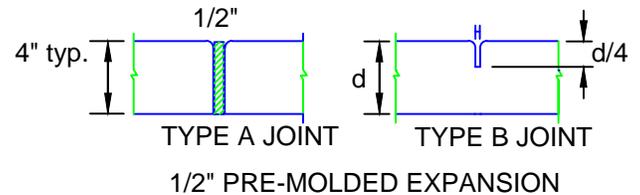
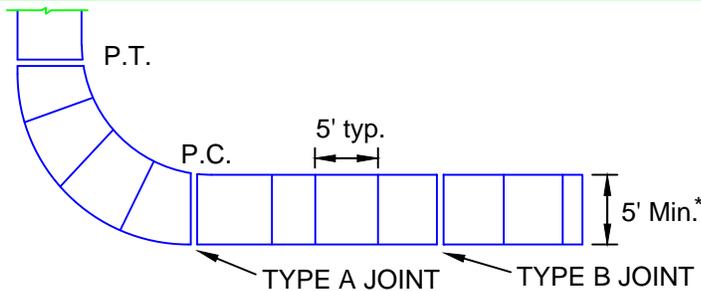
PAVEMENT BUTT JOINT

MI010-2

ISSUED 2015

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PUBLIC WORKS & UTILITIES ENGINEERING & DESIGN STANDARDS



* Minimum 5' in R/W and
ADA required width on-site.

SIDEWALK CONSTRUCTION

1. SIDEWALKS, BIKE PATHS, RAMPS, AND DRIVEWAY APRONS SHALL BE CONSTRUCTED OF PLAIN PORTLAND CEMENT CONCRETE WITH A MAXIMUM SLUMP OF 3 INCHES, A MINIMUM DEVELOPED COMPRESSIVE STRENGTH OF 3,000 P.S.I. IN 28 DAYS, AND A MINIMUM UNIFORM THICKNESS OF 4 INCHES WHERE INTENDED SOLELY FOR PEDESTRIAN TRAFFIC, AND 6 INCHES THICK WHERE MOTOR VEHICLES ARE LIKELY TO CROSS.
2. SIDEWALKS AND BIKE PATHS SHALL BE PLACED PARALLEL TO, AND ONE FOOT WITHIN THE RIGHT-OF-WAY LINE EXCEPT THAT THE CITY MAY APPROVE DEVIATIONS TO SAVE SPECIMEN TREES PROVIDED THAT THE PAVEMENT REMAINS WITHIN THE RIGHT-OF-WAY, OR ADJACENT EASEMENT DEDICATED FOR SIDEWALK USE, IS NOT DIMINISHED IN WIDTH, AND REMAINS AT LEAST 3 FEET FROM THE EDGE OF THE STREET PAVEMENT, UNLESS OTHERWISE APPROVED BY THE CITY.
3. THE TOP OF THE CONCRETE SHALL BE AT AN ELEVATION NO LOWER THAN THE CROWN OF THE ADJACENT ROADWAY, AND NO HIGHER THAN 6 INCHES ABOVE THE CROWN UNLESS APPROVED BY THE CITY TO MAKE A MORE NATURAL TRANSITION WITH THE ADJACENT LAND. UNDER NO CIRCUMSTANCES WILL THE SIDEWALK EXCEED ADA MAXIMUM GRADES.
4. ISOLATION JOINTS (TYPE A JOINTS) SHALL BE PROVIDED BETWEEN EXISTING SLABS OR STRUCTURES AND FRESH CONCRETE, TO SEPARATE PEDESTRIAN SECTIONS FROM SECTIONS WHICH WILL ENCOUNTER VEHICLE TRAFFIC, TO SEPARATE FRESH PLACEMENT FROM CONCRETE WHICH HAS SET FOR MORE THAN 60 MINUTES, AND NO FARTHER APART THAN 30 FEET IN SIDEWALKS AND BIKE PATHS. JOINT MATERIAL SHALL BE AS SPECIFIED IN FDOT STANDARDS AND SPECIFICATIONS AND SHALL BE RUBBER, PLASTIC OR OTHER APPROVED NON-BIODEGRADABLE ELASTOMERIC MATERIAL. WOOD IS PROHIBITED.
5. CONTROL JOINTS (TYPE B JOINTS) SHALL BE TOOLED INTO THE FRESH CONCRETE, OR SAW-CUT WITHIN 24 HOURS OF PLACEMENT, TO A DEPTH EQUAL TO $1/4$ THE SLAB THICKNESS AND SPACED APART A DISTANCE EQUAL TO THE WIDTH OF THE SLAB OR 5 FEET, WHICHEVER IS GREATEST.
6. THE SLAB SURFACE SHALL BE BROOM FINISHED TO BE SLIP RESISTANT, AND SHALL MATCH AS CLOSELY AS POSSIBLE THE FINISH OF EXISTING ADJACENT SLABS AND ALL EDGES SHALL BE TOOLED TO ELIMINATE SHARP CORNERS.
7. THE BEARING SUBSURFACE SHALL HAVE ALL ORGANIC, LOOSE, AND DELETERIOUS MATTER REMOVED, AND THE REMAINING CLEAN SOIL SHALL BE SMOOTH, SOUND, AND SOLID. ANY FILL MATERIAL SHALL BE COMPACTED WITH A VIBRATORY OR IMPACT COMPACTION MACHINE IN MAXIMUM 12 INCH LIFTS OR COMPACTED WITH A HAND TAMPER IN MAXIMUM 4 INCH LIFTS. THE CITY SHALL REQUIRE A COMPACTION TEST FOR EACH LIFT IF THE TOTAL FILLED SECTION IS MORE THEN 12 INCHES DEEP OR IF THE SUBSURFACE HAS BEEN DISTURBED MORE THAN 12 INCHES DEEP. WHERE SUCH TEST IS REQUIRED, THE RESULTS SHALL SHOW A MINIMUM PROCTOR FIELD DENSITY OF 95 PERCENT.
8. ALL CONCRETE WORK IN THE RIGHT-OF-WAY SHALL BE INSPECTED BY THE CITY AFTER THE SUBSOIL IS PREPARED AND THE FORMS ARE SET, BUT BEFORE THE CONCRETE PLACEMENT BEGINS.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING THE FINISHED SLAB FROM ALL DAMAGE AND VANDALISM UNTIL THE CITY ACCEPTS OR APPROVES THE SLAB.
10. SIDEWALKS LOCATED WITHIN THE RIGHT-OF-WAY SHALL NOT BE TINTED, STAINED, COLORED, OR COATED, UNLESS APPROVED BY THE CITY ENGINEER.
11. ALL FORMS SHALL BE REMOVED PRIOR TO ACCEPTANCE OR APPROVAL AND THE DISTURBED GROUND SHALL BE BACK-FILLED, RE-GRADED, AND SODDED SO THAT THE WEAR SURFACE OF THE CONCRETE IS REASONABLY FLUSH WITH THE ADJACENT GRADE.
12. THE CITY MAY REQUIRE ADDITIONAL JOINTS AROUND UTILITY STRUCTURES LOCATED WITHIN THE SIDEWALK.



CITY OF ALTAMONTE SPRINGS
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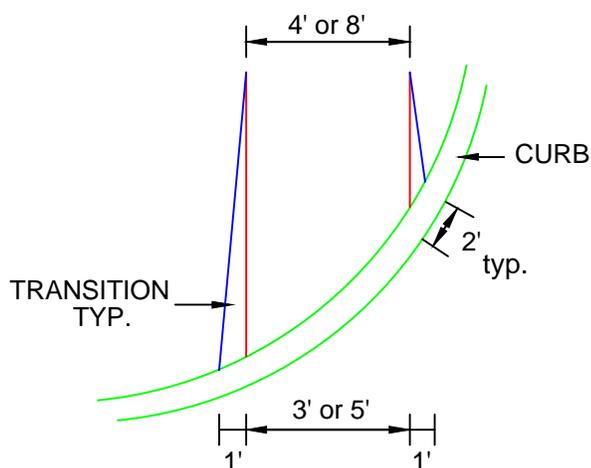
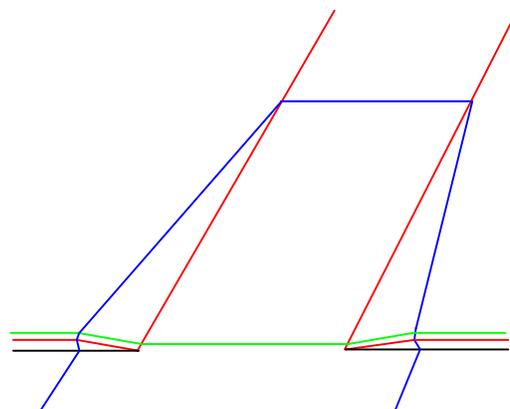
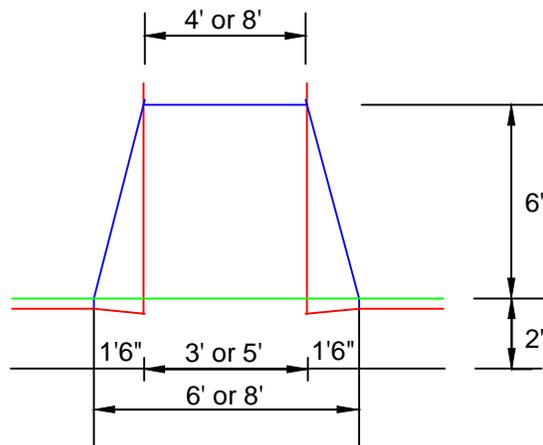
SIDEWALK CONSTRUCTION REQUIREMENTS

MI011-2

ISSUED 2015

REVISED 03/31/2015 BY DJB

PUBLIC WORKS & UTILITIES ENGINEERING & DESIGN STANDARDS



GENERAL NOTES

1. RAMP LOCATIONS ARE TO BE COORDINATED WITH AND IN CONFORMANCE WITH CROSSWALK MARKING DETAILS SHOWN IN THE PLANS.
2. CURBED RAMPS SHALL HAVE FLARED SIDES WITH A MAXIMUM SLOPE OF 12:1.
3. RAMPS SHALL HAVE A TACTILE SURFACE, TEXTURED TO A DEPTH NOT EXCEEDING 1/8". TACTILE SURFACE IS NOT REQUIRED ON SITE.
4. RAMPS ARE TO BE CONSTRUCTED AT ALL LOCATIONS SHOWN IN THE PLANS EVEN WHEN A SIDEWALK IS NOT CONSTRUCTED CONCURRENTLY.
5. NO CURB TRANSITION IS NEEDED FOR MIAMI CURBS.



CITY OF ALTAMONTE SPRINGS
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SIDEWALK & BIKE PATH RAMPS

MI012-1

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PUBLIC WORKS & UTILITIES ENGINEERING & DESIGN STANDARDS

WHY A BARRIER?

1. TO PROTECT ALL ABOVE GROUND PORTIONS
2. TO PROTECT SOIL NEAR TREE FROM COMPACTION
3. PROVIDES PHYSICAL AND MENTAL AWARENESS OF TREES' PRESENCE TO EQUIPMENT OPERATORS

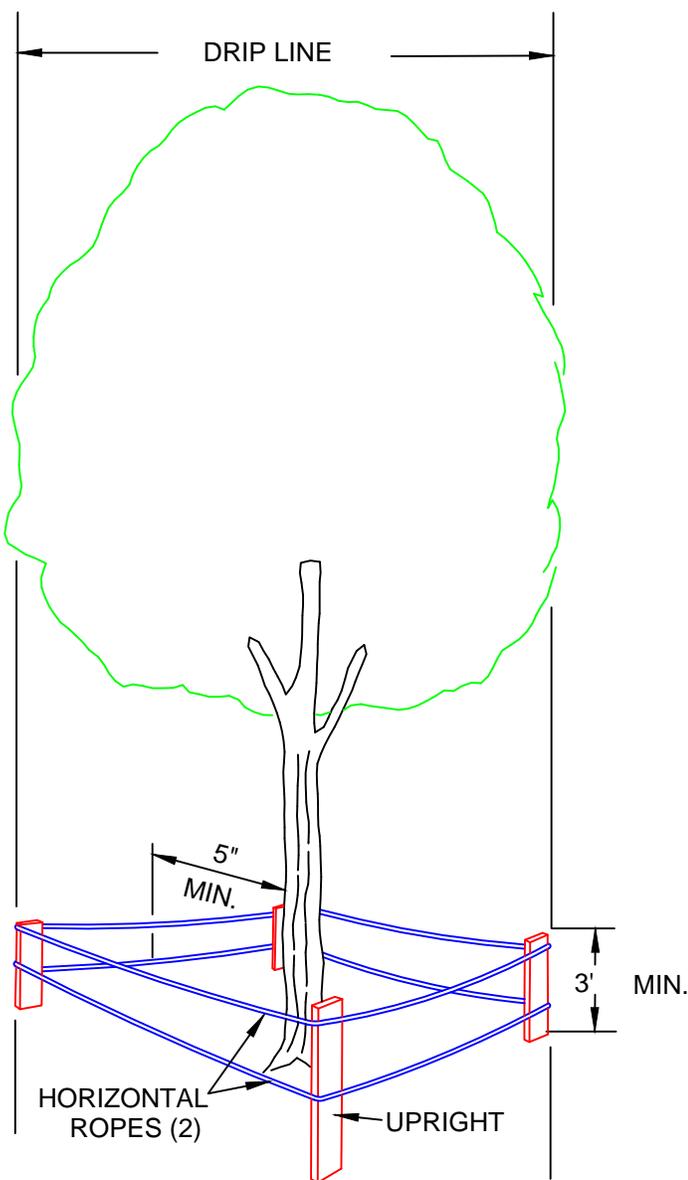
WHY IT WORKS

1. NO HEAVY EQUIPMENT ALLOWED INSIDE BARRIER, ONLY HAND LABOR
2. NO CONSTRUCTION MATERIALS OR TEMPORARY SOIL DEPOSITS ALLOWED INSIDE THIS AREA

BY OBSERVING THESE TWO SIMPLE PRINCIPLES, A TREES' CHANCE FOR SURVIVAL IS GREATLY ENHANCED

SPECIFICATIONS FOR WOOD BARRIER

1. MINIMUM RADIUS TO BE PROTECTED IS ENTIRE DRIP LINE
2. MINIMUM 3' IN HEIGHT
3. UPRIGHTS- THE EQUIVALENT OF 2"x4" LUMBER ON 6' MINIMUM CENTERS
4. HORIZONTAL- THE EQUIVALENT OF TWO COURSES OF 1/2" ROPING WITH YELLOW PLASTIC TAPE FLAGGING
5. BARRIERS TO BE ERECTED AROUND TREES TO REMAIN BEFORE CONSTRUCTION OR NEARBY TREES ARE REMOVED
6. BARRIERS TO REMAIN IN PLACE UNTIL ALL PAVING, CONSTRUCTION AND HEAVY EQUIPMENT IS OUT OF AREA



NOTE:

BARRIER MUST BE ERECTED PRIOR TO CONSTRUCTION



CITY OF ALTAMONTE SPRINGS
950 CALABRIA DRIVE
ALTAMONTE SPRINGS, FLORIDA 32714

TREE PROTECTION MEASURES

MI013-0

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LOCATION MAP

SHEET INDEX

CONTACTS

UTILITIES:

WATER, SEWER AND RECLAIMED WATER
CITY OF ALTAMONTE SPRINGS
225 NEWBURYPORT AVE.
ALTAMONTE SPRINGS, FL. 32701
PW ADMIN. 407-571-8340

MASTER DEVELOPMENT NAME PROJECT NAME

PROJECT ADDRESS

OWNER/DEVELOPER NAME
OWNER/DEVELOPER ADDRESS
(XXX) XXX-XXXX

PROJECT DESCRIPTION

WAIVER/VARIANCE REQUESTS

COMPLIANCE STATEMENT

ALL DESIGN AND CONSTRUCTION MUST CONFORM TO THE MINIMUM STANDARDS SET FORTH IN THE CITY OF ALTAMONTE SPRINGS LAND DEVELOPMENT CODE AND/OR ZONING REGULATIONS.

STATEMENT OF PROJECT PHASING (Check One)

- PROJECT IS TO BE COMPLETED AS A SINGLE PHASE
- PROJECT IS TO BE COMPLETED IN MULTIPLE PHASES (PHASING PLAN IS INDICATED ON THE SITE PLAN SHEET)

TYPE OF SITE PLAN APPLICATION (Check One)

- Preliminary Plan
- Combined Preliminary / Final
- Other _____
- Final Plan
- Site Plan Revision

Prepared By: Engineering Firm of Record
Street Address
City, State Zip
(xxx) xxx-xxxx

Engineer of Record: Name of Engineer, PE Florida Reg. No. XXXXX

SUBMITTED TO:
CITY OF ALTAMONTE SPRINGS
DEVELOPMENT REVIEW COMMITTEE

APPROVAL CHECKLIST

CITY AGREEMENTS AND APPROVALS

	REQUIRED	DATE
	YES or NO	APPROVED
PLAT APPROVAL		
ENGINEER'S ESTIMATE		
PERFORMANCE BOND		
SHOP DRAWINGS		
DEVELOPERS AGREEMENT		
INFRASTRUCTURE CONSTRUCTION, MAINTENANCE, AND EASEMENT AGREEMENT		
OTHER AGREEMENTS (DESCRIBE BELOW)		

AGENCY PERMITS REQUIRED FOR COMMENCEMENT OF DEVELOPMENT

	REQUIRED	PERMIT	LETTER OF DETERMINATION
	YES or NO	NUMBER	DATE
FDEP DRINKING WATER			
FDEP DOMESTIC WASTEWATER			
FDEP NPDES CGP			
SJRWMD ERP			
SEMINOLE COUNTY RIGHT-OF-WAY			
FDOT RIGHT-OF-WAY			
CITY SITE IMPROVEMENT PERMIT (INCL ARBOR)			
NOTE: SIGNAGE REQUIRES SEPARATE PERMITS			

INFRASTRUCTURE TO BE DEDICATED TO CITY

	REQUIRED	DESCRIBE
	YES or NO	
STREETS / R-O-W		
POTABLE WATER		
RECLAIMED WATER		
SANITARY SEWER		
STORMWATER		

REQUIRED CLOSE-OUT DOCUMENTATION

	REQUIRED	DATE
	YES or NO	APPROVED
AS-BUILT SURVEY (ATTESTED)		
CERTIFIED RECORD DRAWINGS		
LETTER OF CLEARANCE - FDEP WATER		
LETTER OF CLEARANCE - FDEP WASTEWATER		
SJRWMD CERTIFICATION OF COMPLETION		
MAINTENANCE BOND (___ YEARS)		
ITEMIZED CONSTRUCTION COSTS		
BILL OF SALE		
NON-PLATTED EASEMENTS (LIST)		
FINAL REPORT - SITE INSPECTOR		
FINAL REPORT - AS-BUILT / RECORD CONFORMITY		

CERTIFICATION OF PROJECT ENGINEER:

The undersigned, a duly registered Professional within the meaning and intent of Chapter 471, Florida Statutes, hereby certifies that these plans have been prepared in conformity with the requirements of the Land Development Code of the City of Altamonte Springs. In addition, the undersigned understands and acknowledges that, in order to receive Certificate(s) of Completion and/or Occupancy, the items above must be provided to the City as described in Article 16 of the Land Development Code.

Signature

Date

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

PUBLIC WORKS & UTILITIES ENGINEERING & DESIGN STANDARDS



CITY OF ALTAMONTE SPRINGS
950 CALABRIA DRIVE
ALTAMONTE SPRINGS, FLORIDA 32714

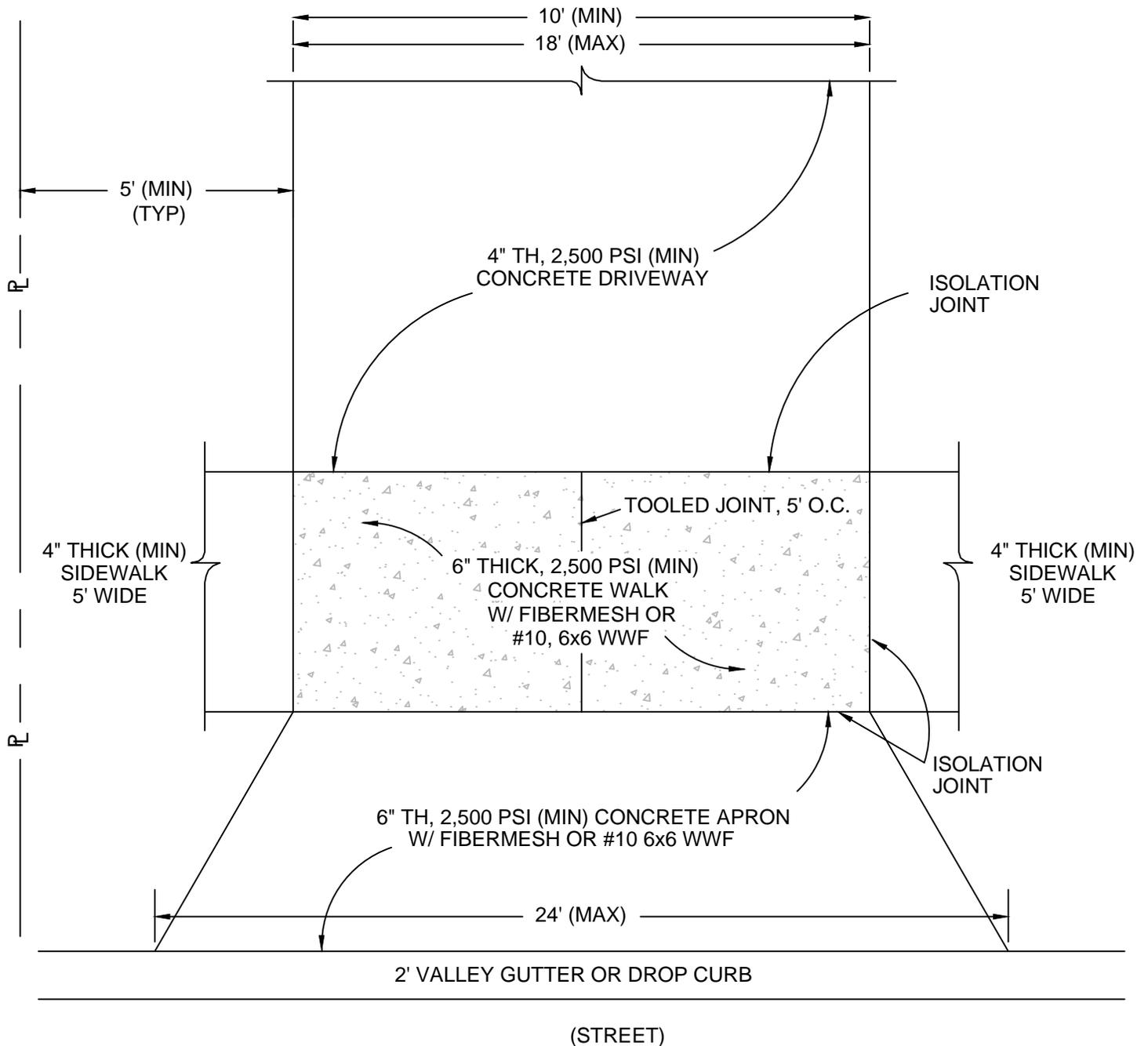
CITY LOGO

MI015-2

ISSUED 2015

REVISED 03/31/2015 BY DJB

PUBLIC WORKS & UTILITIES ENGINEERING & DESIGN STANDARDS



Apron Flare Width: Minimum 2' each side.
Maximum 3' each side,
Not to Exceed 24' Total Width.

NOTES:

- 1) Minimum Concrete Strengths are Based on 28-Day Tests as per ASTM C1074-98.
- 2) Refer to MI011-2 for Sidewalk Construction Requirements.
- 3) Isolation Joints Shall be as Specified in FDOT Standard Specifications, Wood is Prohibited.
- 4) Center Line Shall be Minimum 40' from Center Line of Nearest Existing Driveway.
- 5) Centerline of Driveway Shall be 50' Minimum From Right of Way Line of a Intersection.



CITY OF ALTAMONTE SPRINGS
950 CALABRIA DRIVE
ALTAMONTE SPRINGS, FLORIDA 32714

RESIDENTIAL DRIVEWAY CONSTRUCTION

MI016-3

ISSUED 2015

REVISED 03/31/2015 BY DJB

PUBLIC WORKS & UTILITIES ENGINEERING & DESIGN STANDARDS

PASSENGER CAR (FIGURE 2)			EMERGENCY FIRE APPARATUS (FIGURE 3)		
	ANGLE TYPE	MAX ANGLE		ANGLE TYPE	MAX ANGLE
A	APPROACH ANGLE	16.4	A	APPROACH ANGLE	8.7
B	RAMP ANGLE	11.0	B	RAMP ANGLE	4.2
C	DEPARTURE ANGLE	10.9	C	DEPARTURE ANGLE	7.0

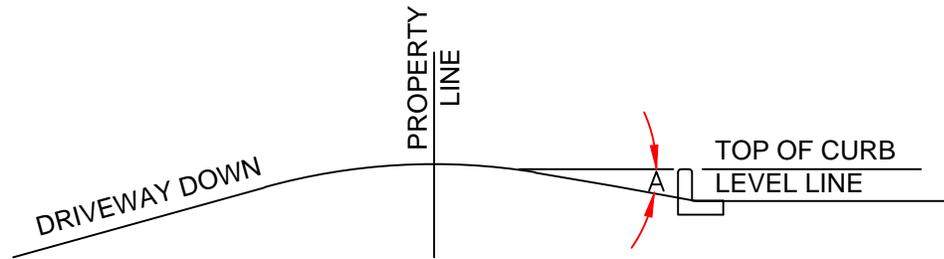


FIGURE 1

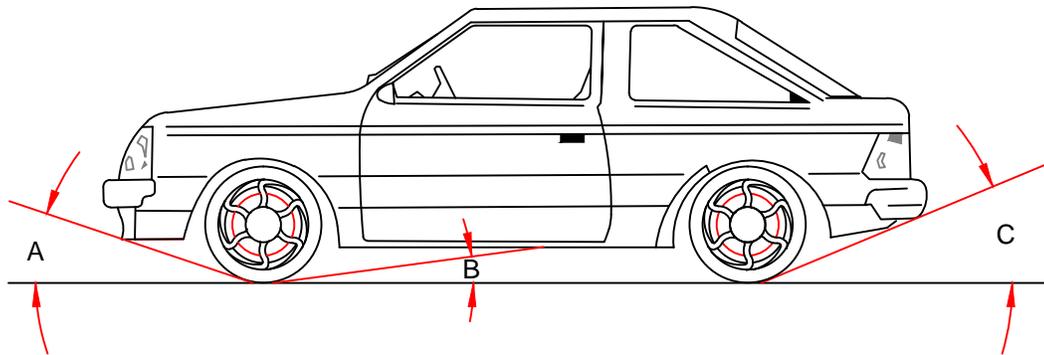


FIGURE 2

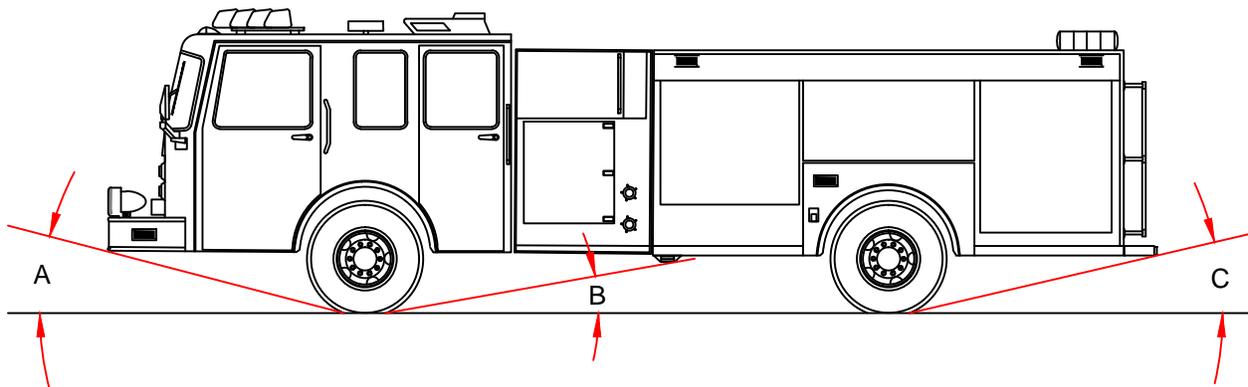


FIGURE 3



CITY OF ALTAMONTE SPRINGS
950 CALABRIA DRIVE
ALTAMONTE SPRINGS, FLORIDA 32714

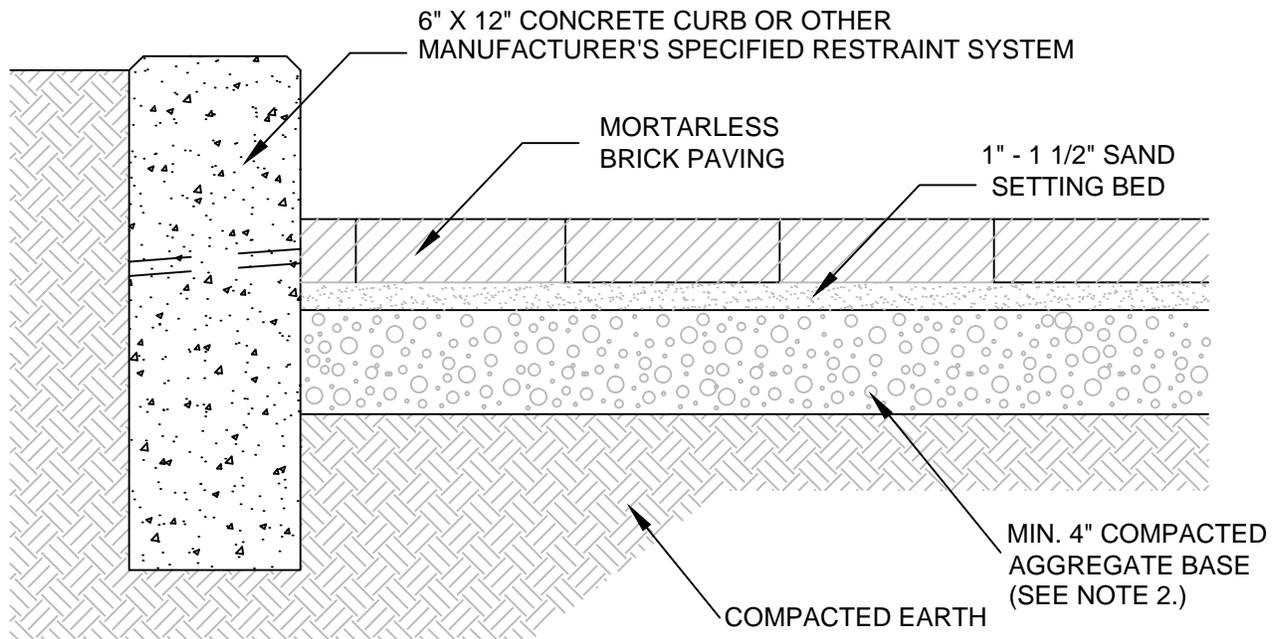
DRIVEWAY APPROACH & DEPARTURE ANGLES

MI017-0

ISSUED 2015

REVISED 03/31/2015 BY DJB

PUBLIC WORKS & UTILITIES ENGINEERING & DESIGN STANDARDS



MORTARLESS BRICK PAVING

CONCRETE CURB EDGING

DRIVEWAY APRON

NOTES:

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. A SUBGRADE CONSISTING OF GRADED AGGREGATES AND/OR GEOTEXTILE FABRIC MAY BE REQUIRED WHEN SUBGRADE CONDITIONS ARE POOR.
3. PAVEMENTS SUBJECTED TO VEHICULAR TRAFFIC MUST BE DESIGNED BY A PROFESSIONAL ENGINEER TO ACCOMMODATE WHEEL LOADS.
4. THE PAVING SYSTEM SHOULD BE SLOPED A MINIMUM OF 1/4" PER FOOT AWAY FROM BUILDINGS, RETAINING WALLS AND OTHER ELEMENTS CAPABLE OF COLLECTING OR RESTRICTING RUNOFF.



CITY OF ALTAMONTE SPRINGS
950 CALABRIA DRIVE
ALTAMONTE SPRINGS, FLORIDA 32714

BRICK PAVING ASSEMBLIES

MI018-0

ISSUED 2015

REVISED 03/31/2015 BY DJB



MB01-2 PUBLIC WORKS MINIMAP TEMPLATE.DWG RE/USED 03/31/2015 BY: DJB



CITY OF ALTAMONTE SPRINGS
950 CALABRIA DRIVE
ALTAMONTE SPRINGS, FLORIDA 32714

NOTES:

TYPE OF EASEMENT OR AGREEMENT OR DWG:

xxxxxxxxx xx-xxx / xxxx
O.R.B. 0000 PGS. 0000-0000

SCALE: N.T.S. DATE: 00-00-00

BATCH: 1 OF 2 (00-00-00) DRAWN BY: xxx

SECTION xx

TOWNSHIP 21S

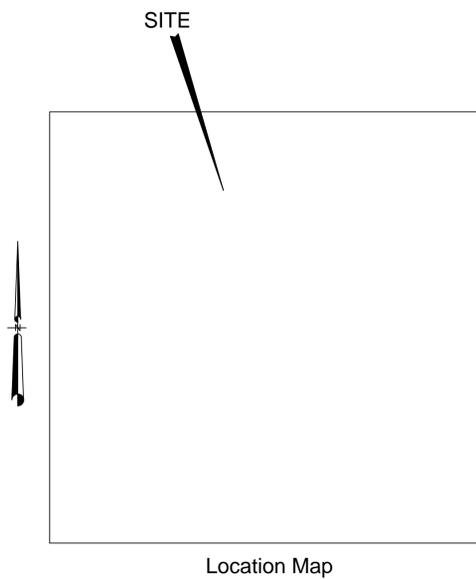
RANGE xxE

EDIT PROJECT TITLE HERE

CITY OF ALTAMONTE SPRINGS



for City of Altamonte Springs, Florida Public Works



INDEX OF DRAWINGS

SHT. NO.	DESCRIPTION
CS	Cover Sheet
SP	Specifications
3	Site
4	Site
5	Site
6	Site
7	Site
8	Standard Details

EDIT / UPDATE
AS REQUIRED

UTILITY CONTACTS

TELEPHONE
CENTURY LINK
800-432-4770

ELECTRIC
PROGRESS ENERGY CORPORATION
407-629-1010

WATER/ RECLAIMED WATER/SEWER
CITY OF ALTAMONTE SPRINGS
407-571-8340

UTILITY LOCATES
SUNSHINE 811

EDIT / UPDATE
AS REQUIRED

PAT BATES
Mayor

GARDNER HUSSEY
Commissioner

STEVE WOLFRAM
Commissioner

SARAH REECE
Commissioner

JON BATMAN
Commissioner

FRANKLIN W. MARTZ II
City Manager

ED TORRES, PE, LEED AP
Director of Public Works & Utilities

NEIL C. RADER, PE
City Engineer, Division Director of Engineering

EDIT / UPDATE
AS REQUIRED

Prepared By: City of Altamonte Springs Public Works Department
225 Newburyport Avenue
Altamonte Springs, Florida 32701

Project Designer:

City Engineer:

100% Plans
(DATE)

SYMBOL	REVISIONS	BY	DATE	APPRVD

2015
ENGINEERING
AND
DESIGN
STANDARDS
(SEAL AREA)

DESIGNED BY:	X
DRAWN BY:	X
PROJECT ENGR:	X
CHECKED BY:	X
APPROVED BY:	X
Sealed By:	XXXX, P.E.
FL. Reg. No.	XXXXXX

CITY OF ALTAMONTE SPRINGS PUBLIC WORKS ADMINISTRATION 225 NEWBURYPORT AVE, ALTAMONTE SPRINGS, FLORIDA 32701	DATE: X SCALE: X
MI902-2 PROJECT TITLE	1
SHEET 1 OF 1	

MI903-1 PUBLIC WORKS DRAWING TEMPLATE (24 BY 36 INCHES).DWG REVISED 03/27/2015 BY: DUB

SYMBOL	REVISIONS	BY	DATE	APPRVD

**2015
ENGINEERING
AND
DESIGN
STANDARDS**

DESIGNED BY:	X
DRAWN BY:	X
PROJECT ENGR:	X
CHECKED BY:	X
APPROVED BY:	X
Sealed By:	X X X X , P.E.
FL. Reg. No.	X X X X X X

CITY OF ALTAMONTE SPRINGS PUBLIC WORKS ADMINISTRATION <small>225 NEWBURYPORT AVE, ALTAMONTE SPRINGS, FLORIDA 32701</small>	DATE: X SCALE: X
MI903-1 CITY PROJECTS	1
SHEET 1 OF 1	