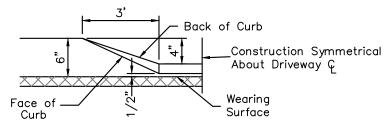


STRAIGHT CURB

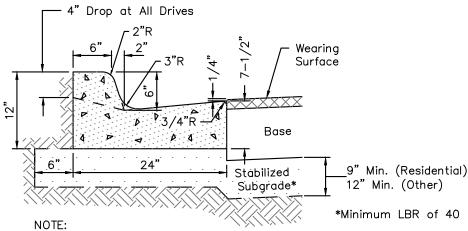


3' TRANSITION AT DRIVES

N.T.S.

NOTES:

- 1. There shall be a 1/2" seal joint between back of curb and driveway.
- 2. Concrete in curbs shall be 3000 psi, with fiber mesh reinforcing.



When used on high side of roadways, the cross slope of the gutter shall match the cross slope of the adjacent pavement and the thickness of the lip shall be 6", unless otherwise shown on plans.

TYPE I CURB

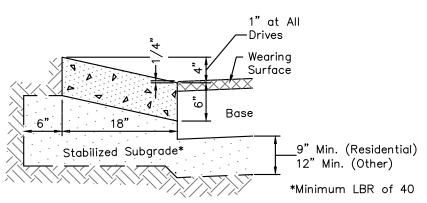
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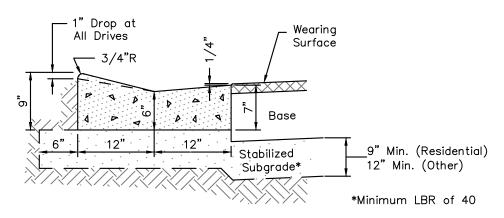
5/18/15	COMPACTION THICKNESS	S.R.
DATE	REVISION DESCRIPTION	APP

CITY OF CLEARWATER
ENGINEERING DEPARTMENT
STREET SECTIONS
AND DETAILS

TYPICAL CURB CROSS SECTIONS

INDEX NO.	PAGE NO.
101	1 of 2
LATEST REVISION	2/27/17





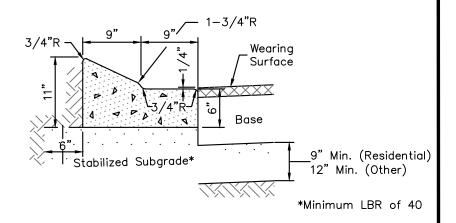
MODIFIED CURB

#3 Bar Cont. Wearing Surface #3 Bar, 10" Long, 36" O.C. 6" Base 9" Min. (Residential) Stabilized Subgrade* *Minimum LBR of 40

NOTES:

- 1. There shall be a 1/2" seal joint between back of curb and driveway.
- 2. Concrete in curbs shall be 3000 psi, with fiber mesh reinforcing.

VALLEY GUTTER CURB



DOWELLED CURB PIN

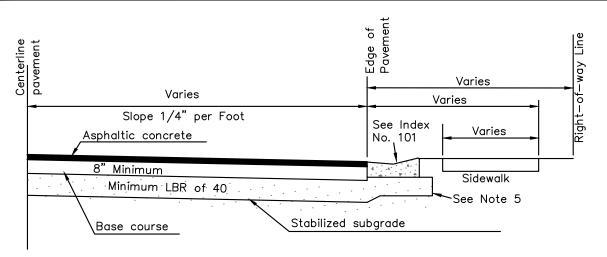
DATE	REVISION DESCRIPTION	APP
5/18/15	COMPACTION THICKNESS	S.R.
2/27/17	SUBGRADE UPDATED	JWS

CITY OF CLEARWATER ENGINEERING DEPARTMENT STREET SECTIONS AND DETAILS

TYPICAL CURB **CROSS SECTIONS**

MEDIAN CURB

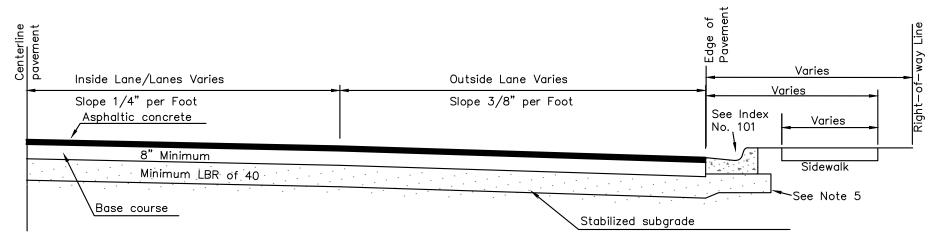
INDEX NO.	PAGE NO.
101	2 of 2
LATEST REVISION	2/27/2017



NOTES:

- Pavement materials and thickness, and base materials and thickness will be stated in construction drawings and scope of the work.
- 2. See construction drawings for curb type and lane widths.
- 3. See Section IV, 702 for acceptable base and subgrade materials
- 4. Refer to Index No. 109 and/or FDOT Detail 304 for Sidewalk criteria. The more stringent criteria will be required.
- Stabilized subgrade shall be a minimum of 9" for neighborhood streets and a minimum of 12" for all other streets.





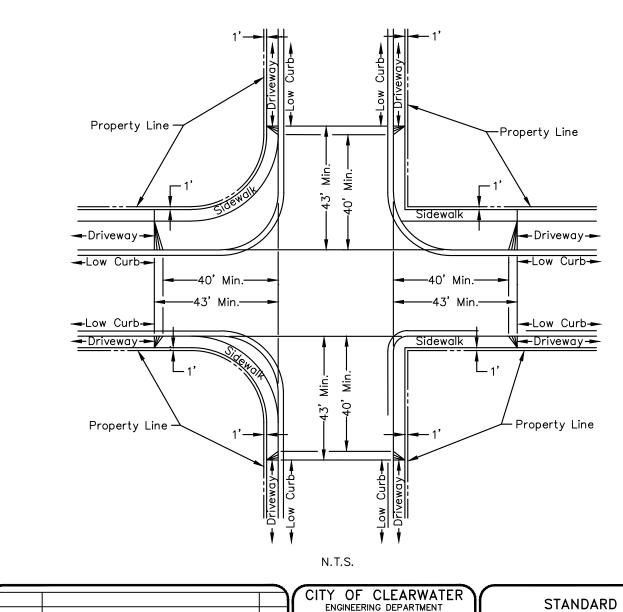
4 AND 5 LANE STREET N.T.S.

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2/24/17	ADDED NOTE	JWS	11
9/9/15	ADDED SIDEWALKS & ROW DETAIL TO DRAWING	J.S.	$\ \cdot \ $
DATE	REVISION DESCRIPTION	APP	Л
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CITY	OF	CLEAR	RWATER
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S	TREE	T SECTI	ONS
	AND	DETAIL	.S

TYPICAL STREET SECTION

INDEX NO.	PAGE NO.
102	1 of 1
LATEST REVISION	02/24/17



APP

DATE

REVISION DESCRIPTION

STREET SECTIONS

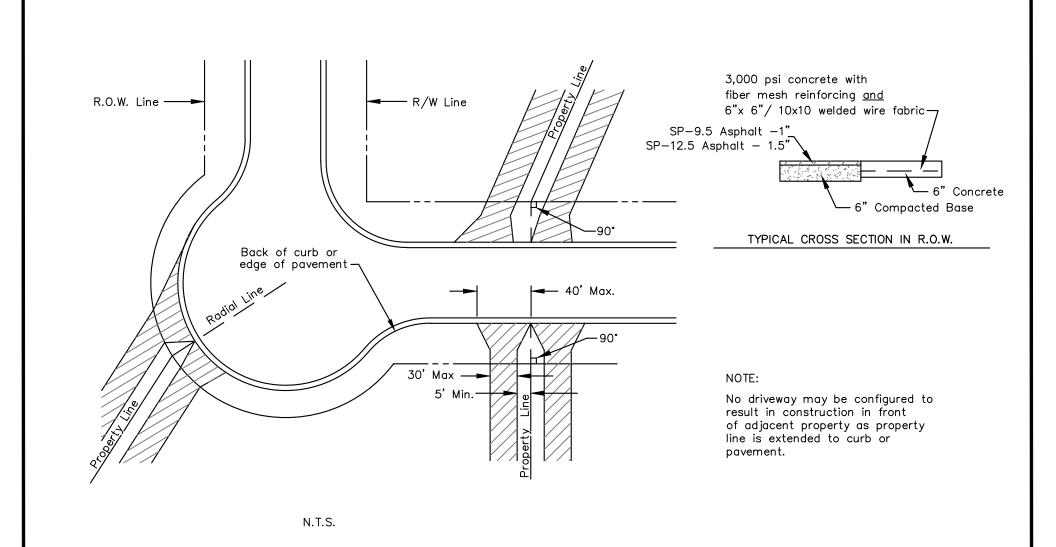
AND DETAILS

NOTE: Driveways to begin a minimum of 40' measured from curb line extended or 10' from property line. whichever is greater.

M - Transition Area

STANDARD DRIVEWAY LOCATIONS
AT INTERSECTIONS

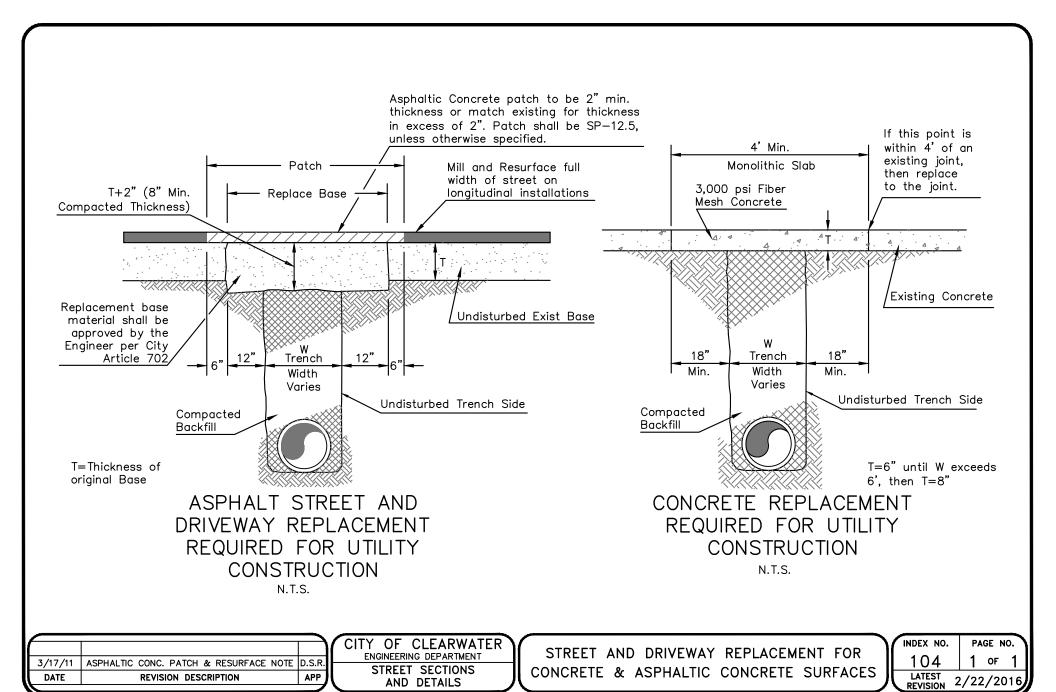
INDEX NO.	PAGE NO.
103	1 of 2
LATEST REVISION	2/22/2016

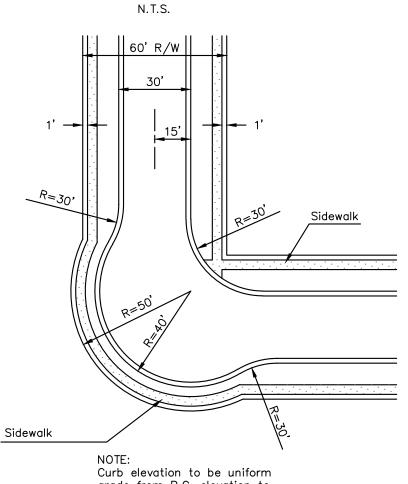


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DATE	REVISION DESCRIPTION	APP
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STANDARD DRIVEWAY LOCATIONS RESIDENTIAL

INDEX NO.	PAGE NO.
103	2 of 2
LATEST REVISION	2/22/2016





grade from P.C. elevation to P.T. elevation on downstream side

60' R/W 30' R=30' Sidewalk

N.T.S.

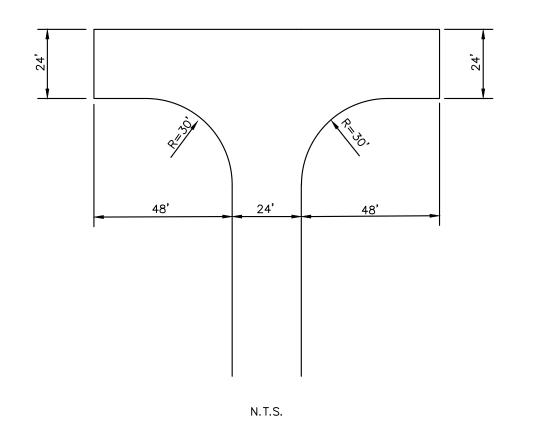
NOTE: 10.00T.C. = Typical top of curb elevation

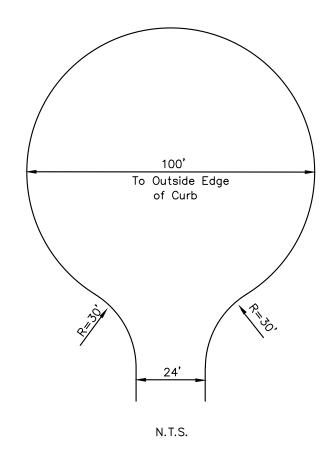
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DATE	REVISION DESCRIPTION	APP

CITY OF CLEARWATER ENGINEERING DEPARTMENT STREET SECTIONS AND DETAILS

TYPICAL TURNING RADII

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INDEX NO.	PAGE NO.
106	1 of 2
LATEST REVISION	2/22/2016

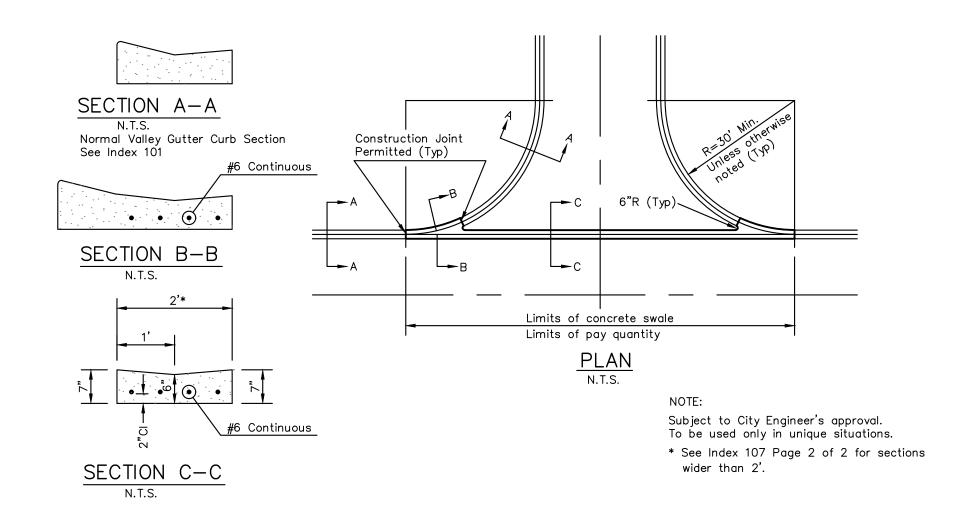




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2/11/15	CHANGE TO DIMENSIONS	M.Q.
DATE	REVISION DESCRIPTION	APP

MINIMUM TURNAROUND DIMENSIONS FOR CLEARWATER SANITATION AND FIRE TRUCKS

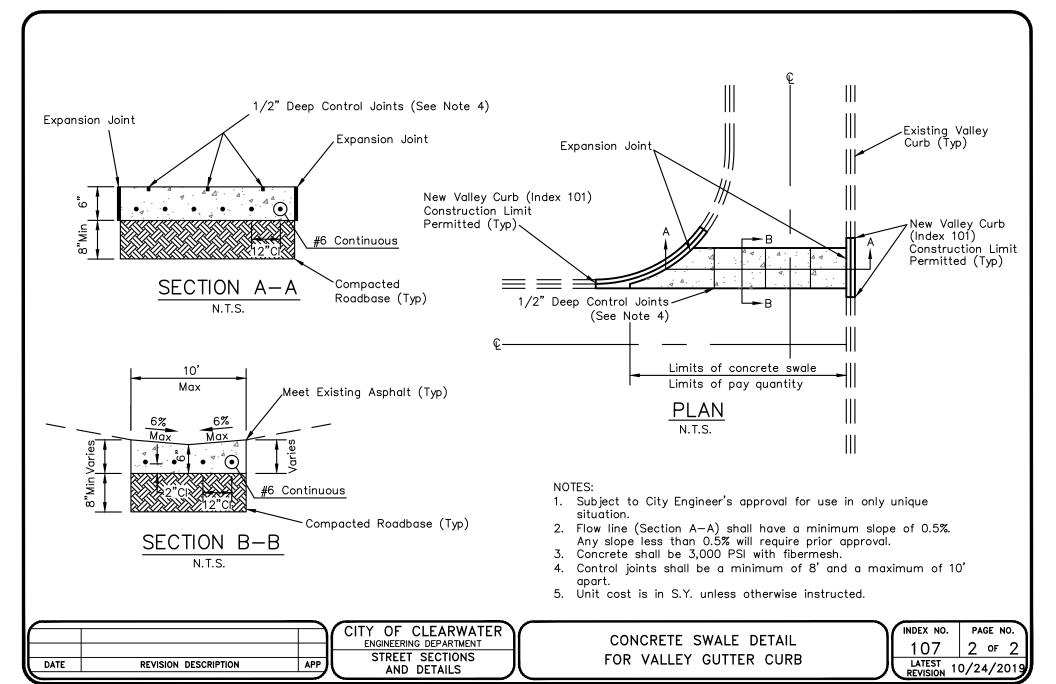
INDEX NO.	PAGE NO.
106	2 of 2
LATEST REVISION	2/22/2016

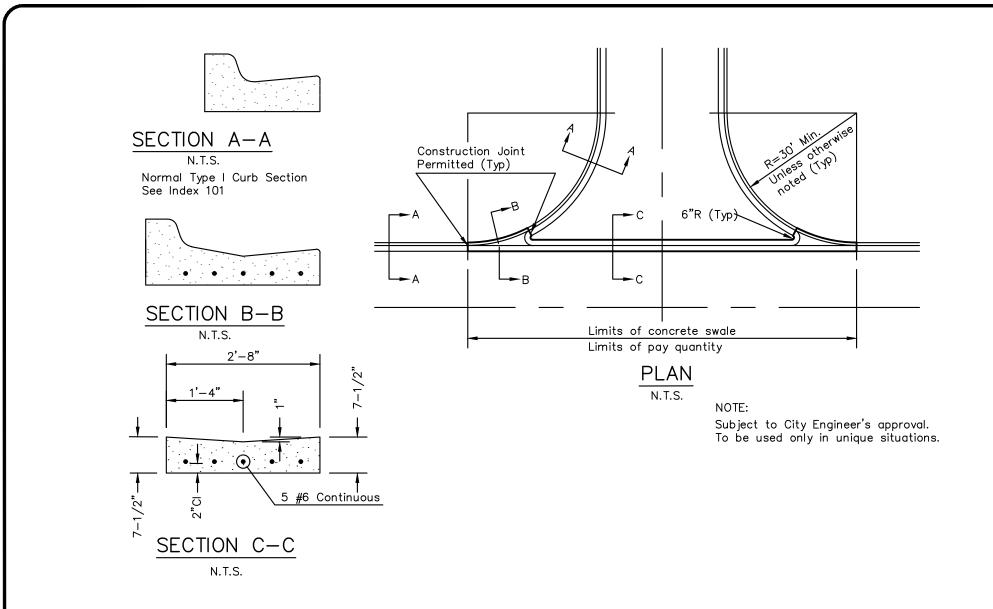


		\Box	CITY OF CLEARWATER ENGINEERING DEPARTMENT
DATE	REVISION DESCRIPTION	APP	STREET SECTIONS AND DETAILS

CONCRETE SWALE DETAIL VALLEY GUTTER CURB

INDEX NO.	PAGE NO.
107	1 of 2
LATEST 1	0/24/2019

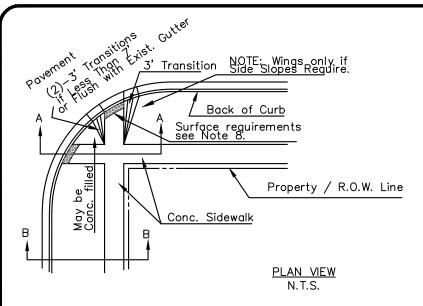




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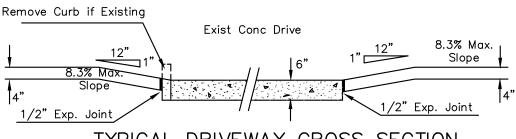
CONCRETE SWALE DETAIL
TYPE I CURB

INDEX NO.	PAGE NO.
108	1 of 1
LATEST REVISION	2/22/2016



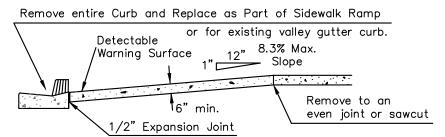
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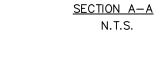
- 1. Provide tooled joints at distances matching the width. Also place expansion joints at driveways.
- 2. If some physical obstruction exists which prevents the placing of sidewalks as shown, contact the Engineering Division for alternate location or design.
- Wooden and other spacers will not be permitted in sidewalks or driveways.
- 4. No coatings of any kind will be permitted on concrete sidewalks or driveways without specific approval of the City Engineer.
- 5. All concrete shall be 3000 psi min. @ 28 days, with fiber mesh reinforcing.
- 6. Concrete surface to be light broom finish.
- 7. Concrete driveway construction shall be 6" thick w 6"x 6"/10x10 welded wire fabric reinforcement.
- 8. Ramps shall have a detectable warning surface in conformance with requirements of FDOT Roadway and Traffic Design Standards, Detail 304 or most recent modifications.
- 9. Grade retaining straight curb to be 6" wide x 12"-18" deep and poured monolithically with 6"thick ramp.

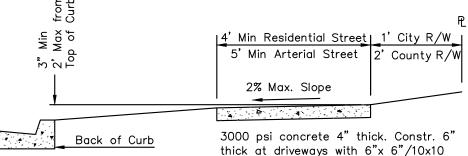


TYPICAL DRIVEWAY CROSS SECTION

N.T.S.







welded wire fabric. (See Note 7.)

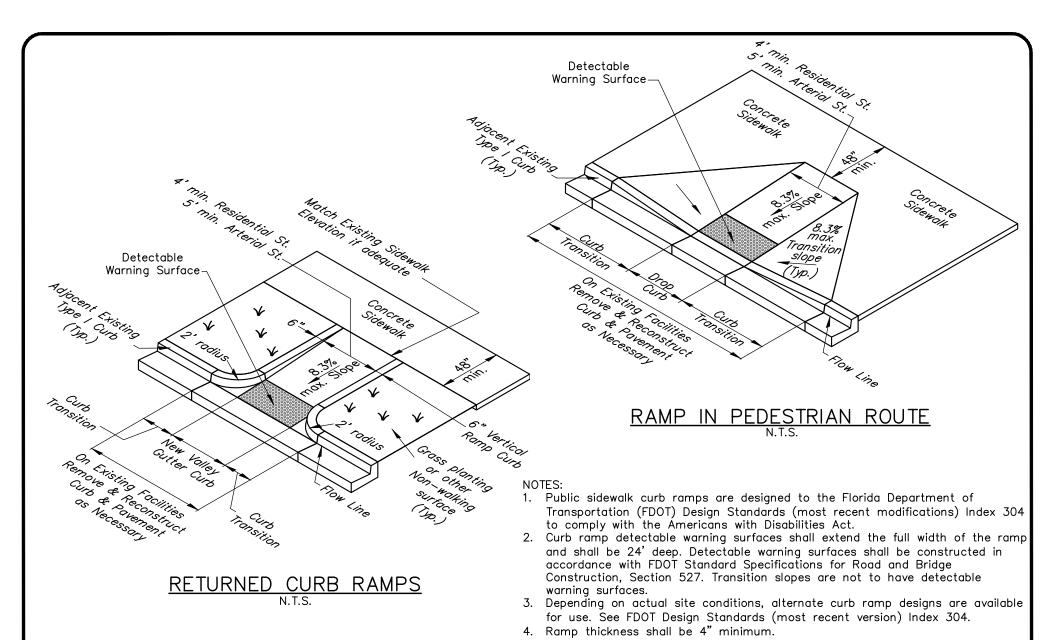
SECTION B-B N.T.S.

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DATE	REVISION DESCRIPTION	APP	l
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CITY OF CLEARWATER
ENGINEERING DEPARTMENT
STREET SECTIONS
AND DETAILS

TYPICAL SIDEWALK CONSTRUCTION & RAMP DETAIL

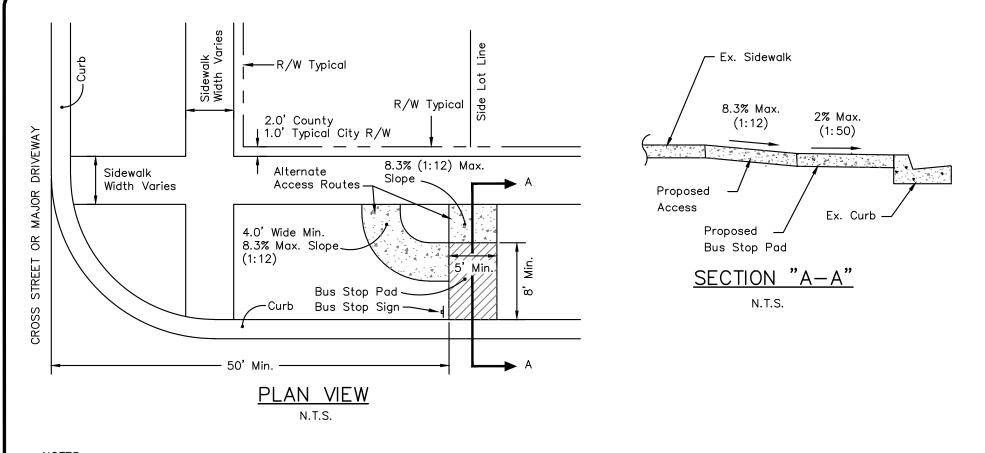
INDEX NO.	PAGE NO.
109	1 of 5
LATEST 1:	2/06/2019



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		1
11/2/2015	DETAIL REDRAWN	S.R.
DATE	REVISION DESCRIPTION	APP

TYPICAL SIDEWALK
CURB RAMPS

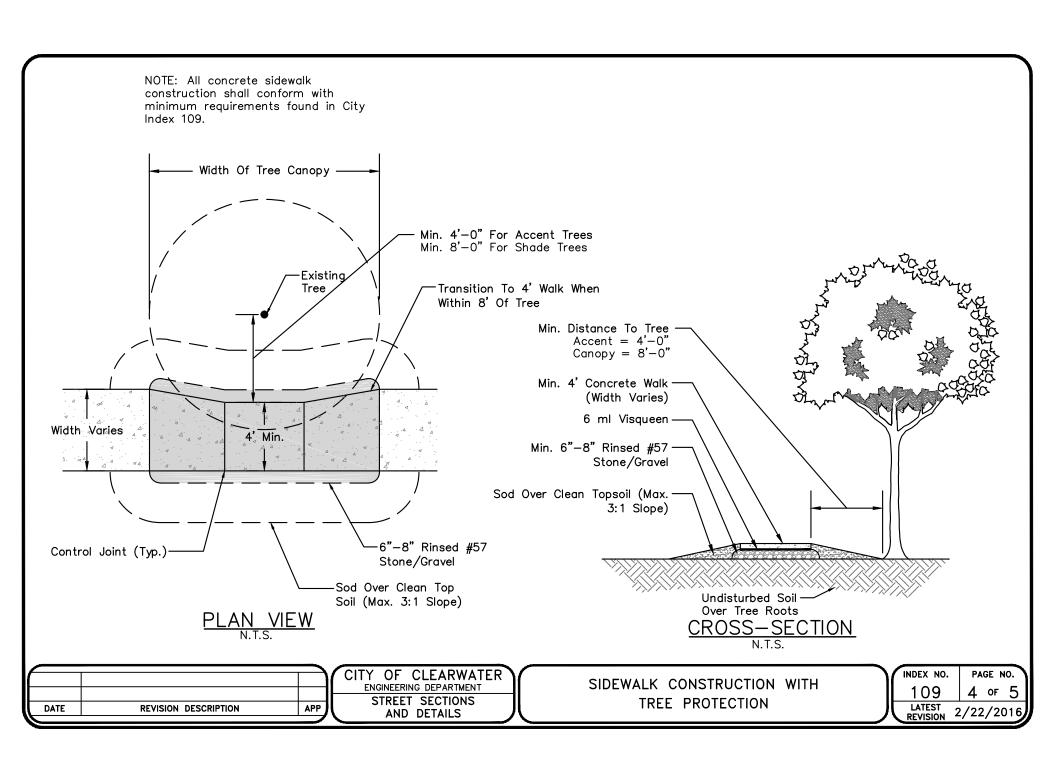
INDEX NO.	PAGE NO.
109	2 of 5
LATEST REVISION	2/22/2016

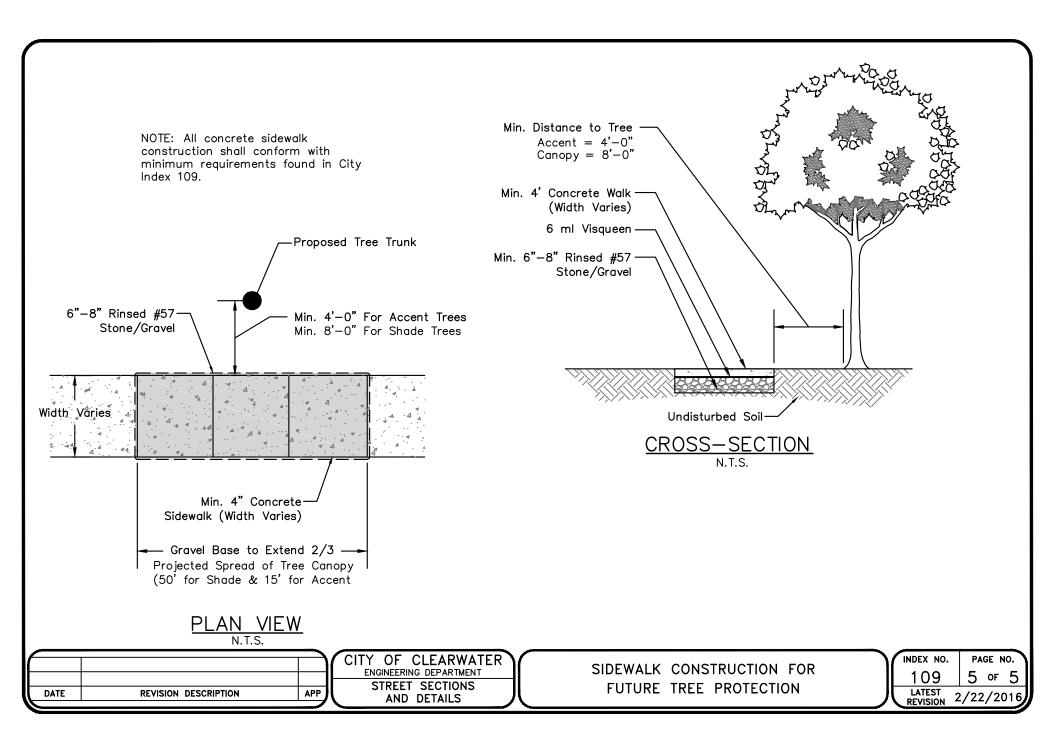


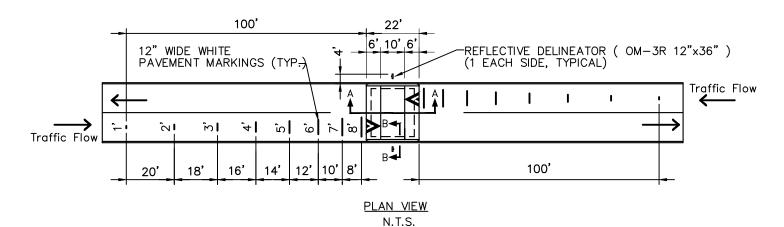
NOTES:

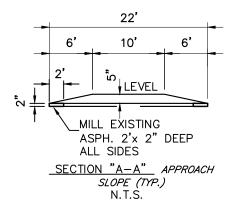
- 1. Bus Stop Pad may extend from existing curb to or through the alignment of existing sidewalk.
- 2. The Bus Stop Pad will follow the same slope and will be flush with the back of curb.
- 3. The maximum slope across the long dimension of the Bus Stop Pad (perpendicular to the curb) must be a maximum of 2% (1:50). When field conditions do not allow a 2% (1:50) slope, the minimum feasible slope shall be provided, not to exceed 8.3% (1:12).
- 4. Paved access to the Bus Stop Pad from the sidewalk must meet City of Clearwater sidewalk standards and ADA standards with a maximum slope of 8.3% (1:12) and level rest stops no more than 30 feet apart. Location of access will be field determined. Slope of parkway area adjacent to Bus Stop Pad will be field determined.
- 5. Bus Stop Pad shall be a minimum of 6" reinforced concrete with 6"x6"/10x10 welded wire fabric reinforcement the same as concrete driveways.
- 6. Bus Stop Pad shall be centered as close to lot lines as possible. Existing bus stop signs may need to be relocated accordingly.

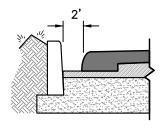
, ,	REV. NOTES	S.R.	CITY OF CLEARWATER ENGINEERING DEPARTMENT	TYPICAL BUS STOP	INDEX NO.	PAGE NO.
8/12	REV. SLOPE	P.B.	STREET SECTIONS		109	3 of 5
DATE	REVISION DESCRIPTION	APP	AND DETAILS	PAD DETAIL	LATEST A	2/22/2016



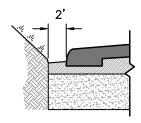








SECTION "B-B"
W/ CURB OR CURB &
GUTTER TYPES
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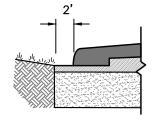


SECTION "B-B"

W/ SUPERIOR GRADE

ADJACENT

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<u>SECTION "B-B"</u>

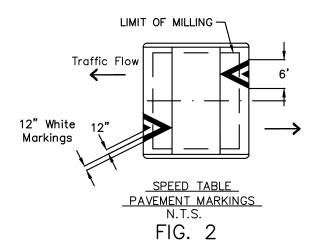
W/ ADJACENT LESSER GRADE

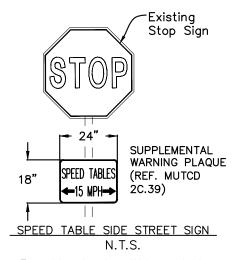
N.T.S.

10/25/17	PAVEMENT MARKING AND LEVEL HEIGHT REV	JWS	
DATE	REVISION DESCRIPTION		

SPEED TABLE SIGNS & DETAILS FIGURE 1

INDEX NO.	PAGE NO.
110	1 of 2
LATEST REVISION	10/25/17

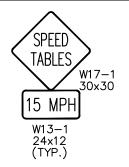




For side streets within project limits of speed tables

FIG. 4 (Optional)

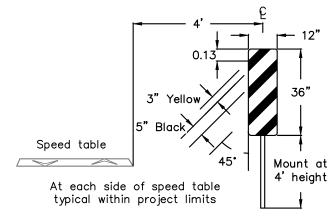
			CITY OF CLEARWATEI
)/25/17	PAVEMENT MARKINGS REVISED	JWS	STREET SECTIONS
DATE	REVISION DESCRIPTION	APP	AND DETAILS
			AND DETAILS



SPEED TABLE WARNING SIGN (TYP.) N.T.S.

Install 1— Sign 100' from each collector or arterial road within the project limits of the speed tables.

FIG. 3



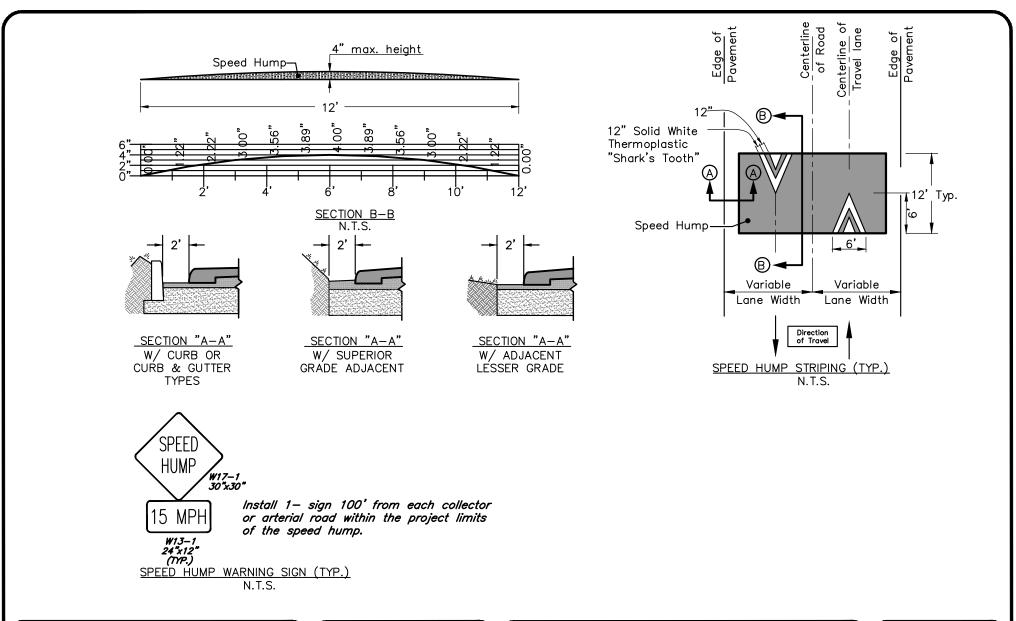
REFLECTIVE DELINEATOR MARKER "OM-3R" N.T.S.

(Ref. manual of uniform control devices 3c-2 typical type 3 object markers)

FIG 5 (OPTIONAL)

SPEED TABLE SIGNS & DETAILS FIGURES 2 - 5

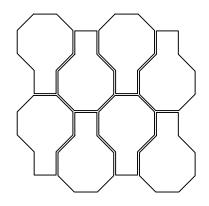
INDEX NO.	PAGE NO.
110	2 OF 2
LATEST REVISION	10/25/17



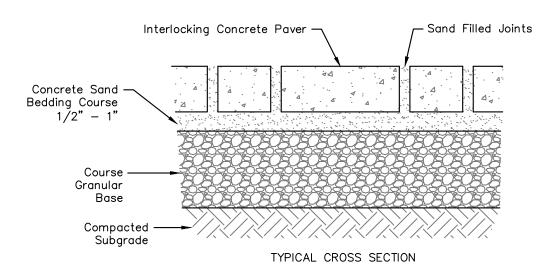
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10/25/17	SPEED HUMP SIGN REVISED	JWS
DATE	REVISION DESCRIPTION	APP

SPEED HUMP SIGNS & DETAILS

INDEX NO.	PAGE NO.
111	1 of 1
LATEST REVISION	10/25/17



INSTALLATION PATTERN
(Pattern will vary with selected paver)



NOTES:

- 1. Interlocking paving units shall generally be installed in accordance with manufacturer's requirements.
- 2. Paver Thickness: 2 3/8" Residential, Light Duty Traffic; 3 1/8" Commercial, Heavy Duty Traffic
- 3. Concrete Pavers to conform to ASTM C936-82.
- 4. Course Granular Base shall be in accordance with manufacturer's requirements (4" min. for 2 3/8" pavers and 8" min. for 3 1/8" pavers). Granular base shall be crushed concrete road base #57 and fines or other material approved by City Engineer.
- 5. Coloring or dye shall be uniform throughout each concrete paver unit. Dipped or externally colored paver units are unacceptable.
- 6. Pavers shall be installed with edge restraint and confined with cemented paver units, curbs, poured concrete or other suitable method.
- 7. Final finished surface shall be of uniform elevation or slope.
- 8. Subgrade shall be free of clay, organics, or other materials which will allow future settlement and compacted to 98% AASHTO T-180-57.
- 9. Polymeric sand or other joint filling material, as approved by the City Engineer, shall be installed between pavers in all areas that contain drainage structures, have slopes in excess of 2% or are subject to water runoff.
- 10. The cross slope on any required pedestrian path crossing a driveway and/or drive apron cannot exceed 2%. For additional detail see Index No. 113; Sh. 2 of 2:

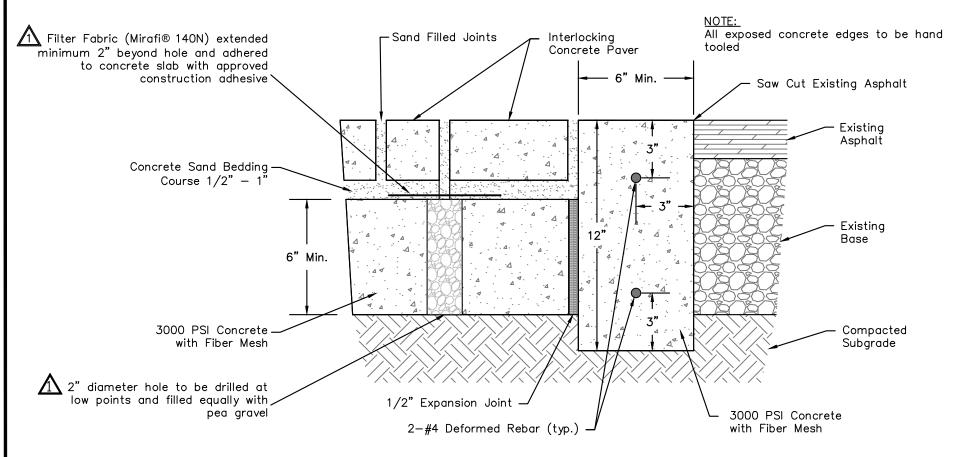
 INTERLOCKING CONCRETE PAVER DETAIL FOR COMMERCIAL TRAFFIC AND ROW INSTALLATION

7/20/2012	NOTES 4,9,10 NEW SHEET 2 OF 2	M.Q.
DATE	REVISION DESCRIPTION	

CITY OF CLEARWATER ENGINEERING DEPARTMENT STREET SECTIONS AND DETAILS

INTERLOCKING CONCRETE PAVER DETAIL FOR RESIDENTIAL AND PEDESTRIAN TRAFFIC

_	
INDEX NO.	PAGE NO.
113	1 of 2
LATEST REVISION	2/22/2016



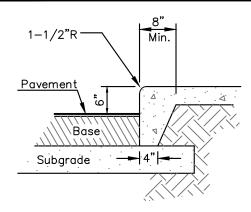
For additional detail see Index No. 113; Sh. 1 of 2: INTERLOCKING CONCRETE PAVER DETAIL FOR RESIDENTIAL AND PEDESTRIAN TRAFFIC

12/17/13	ADDED DRAINAGE HOLE AND FILTER FABRIC	T.M.K.
DATE	REVISION DESCRIPTION	

CITY OF CLEARWATER
ENGINEERING DEPARTMENT
STREET SECTIONS
AND DETAILS

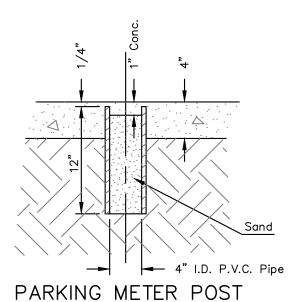
INTERLOCKING CONCRETE PAVER DETAIL FOR COMMERCIAL TRAFFIC AND ROW INSTALLATION

INDEX NO.	PAGE NO.
113	2 of 2
LATEST REVISION	2/22/2016



DETAIL CONSTRUCTION ALTERNATE

N.T.S.



SLEEVE DETAIL

N.T.S.

REVISION DESCRIPTION

DATE

APP

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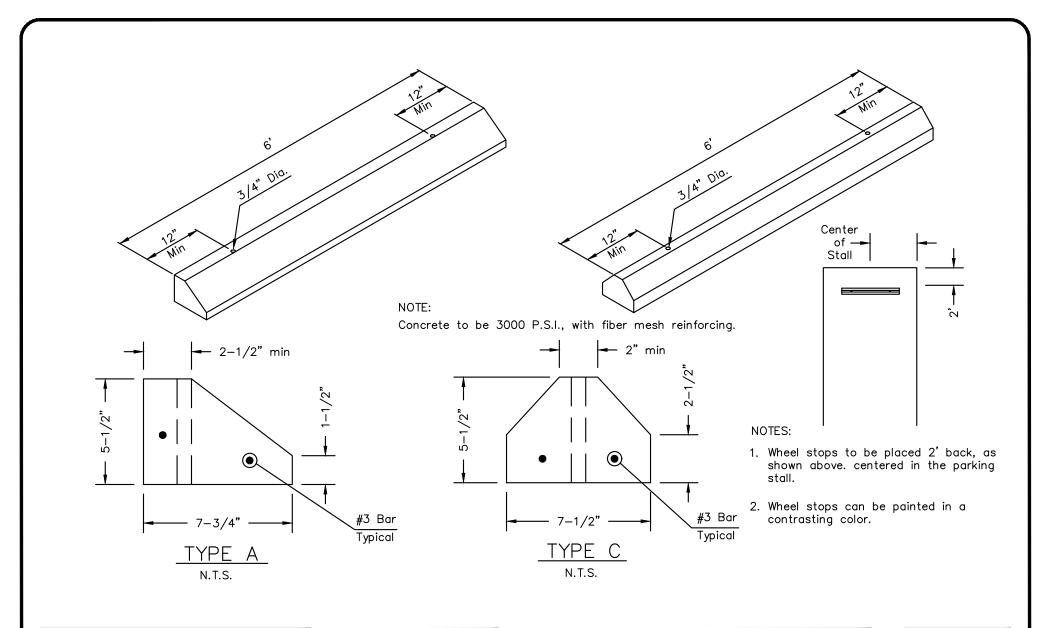
NOTES:

- 1. Meter post sleeve shall be 4" i.d. P.V.C. cut to 12" lengths.
- 2. Contractor shall select method of construction. There shall be no variation of unit price bids.
- 3. Meter post locations shall be marked by an "x" in the concrete.
- 4. Concrete to be 3,000 P.S.I., with fiber mesh reinforcing.

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CONCRETE SIDEWALKS
& METER POSTS
IN PARKING LOTS

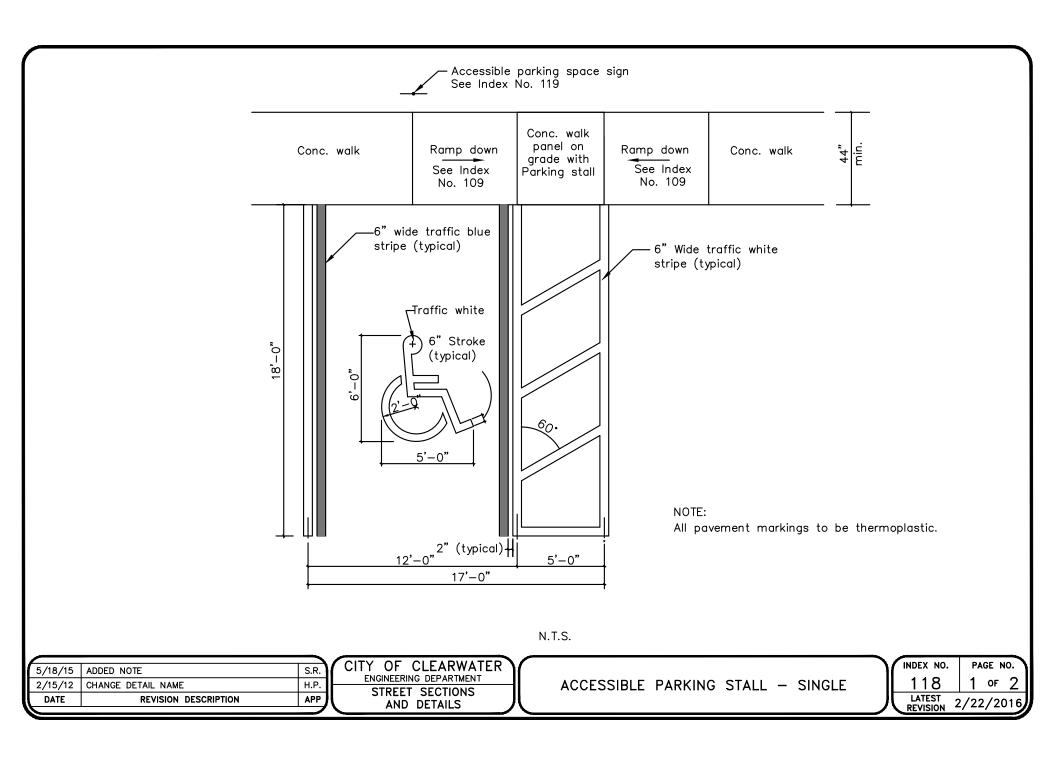
INDEX NO.	PAGE NO.
114	1 of 1
LATEST REVISION	2/22/2016

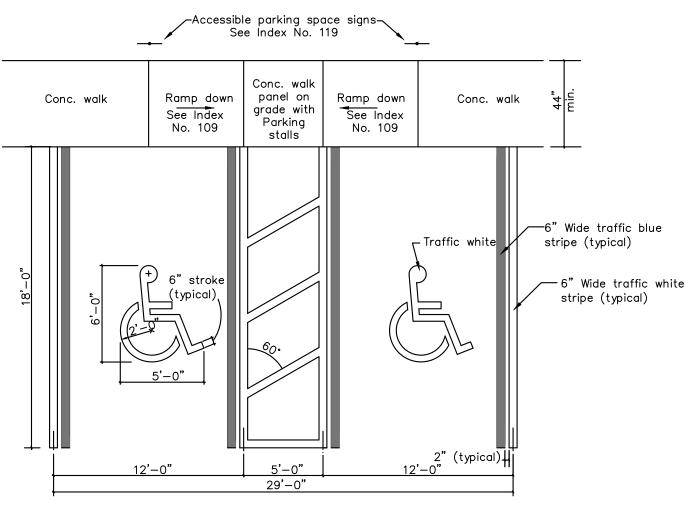


5/18/15	NOTES EDITED	S.R.
DATE	REVISION DESCRIPTION	APP

WHEEL STOPS - REINFORCED CONCRETE

INDEX NO.	PAGE NO.
117	1 of 1
LATEST REVISION	2/22/2016





NOTE:
All pavement markings to be thermoplastic.

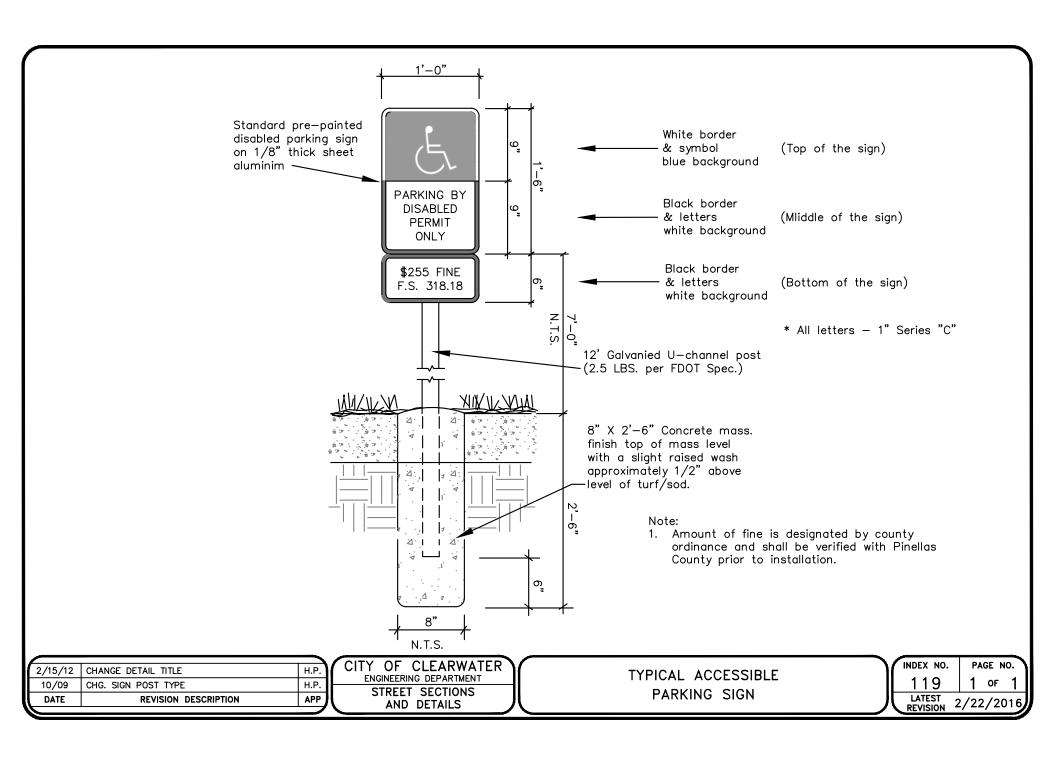
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DATE	REVISION DESCRIPTION	APP
2/15/12	CHANGE DETAIL NAME	H.P.
5/18/15	ADDED NOTE	S.R.
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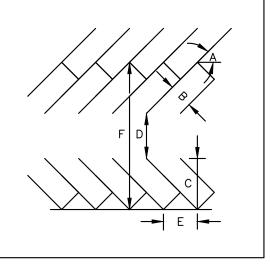
CITY OF	CLEARWATER
ENGINEERIN	G DEPARTMENT
STREET	SECTIONS
AND	DETAILS

ACCESSIBLE PARKING STALL - DOUBLE

INDEX NO.		PA	GE I	NO.
118		2	OF	2
LATEST REVISION	2	/22	2/2	016



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			12.0		20.0
45	9.0	19.5	13.0	12.7	52.0
50	9.0	20.0	14.0	11.7	54.0
60	9.0	20.5	18.0	10.4	59.0
70	9.0	20.0	19.0	9.6	59.0
80	9.0	19.5	24.0	9.1	63.0
90	9.0	18.0	24.0	9.0	60.0
	3.0	1.5.0	2 1.0	0.0	33.0



- A. Parking angle (Degrees)
- B. Stall width (Feet)
- C. Stall to curb (Feet)
- D. Aisle width (Feet)
- E. Curb length (Feet)
- F. Min. overall double row with aisle between (Feet)

NOTES

- 1. All parking space striping to be white in color.
- 2. If a parking lot serves a use which generates 2,500 or more vehicle trips a day, such parking spaces shall be marked by white thermoplastic lines.
- All City of Clearwater projects shall be in thermoplastic.

12/09	CHANGED NOTE NO. 2	T.E.
DATE	REVISION DESCRIPTION	APP
	•	

CITY	OF	CLEARWATER
ENG	SINEER	RING DEPARTMENT
S	TREE	T SECTIONS
L	AND	D DETAILS

STANDARD PARKING STALL

INDEX NO.	PAGE NO.
120	1 of 1
LATEST REVISION	2/22/2016