



APPENDIX F

DESIGN STANDARDS REVIEW SUMMARIES AND REDLINES

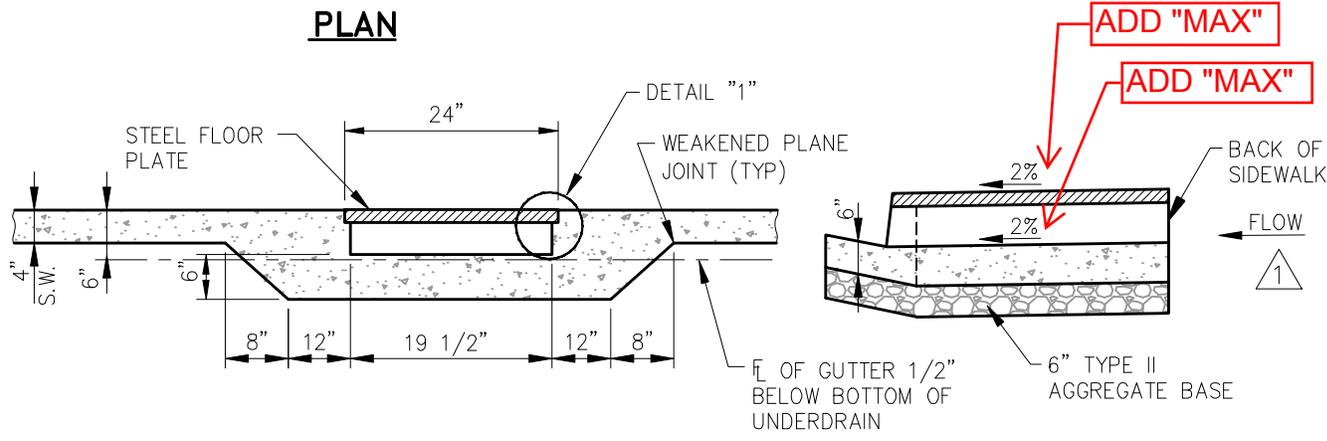
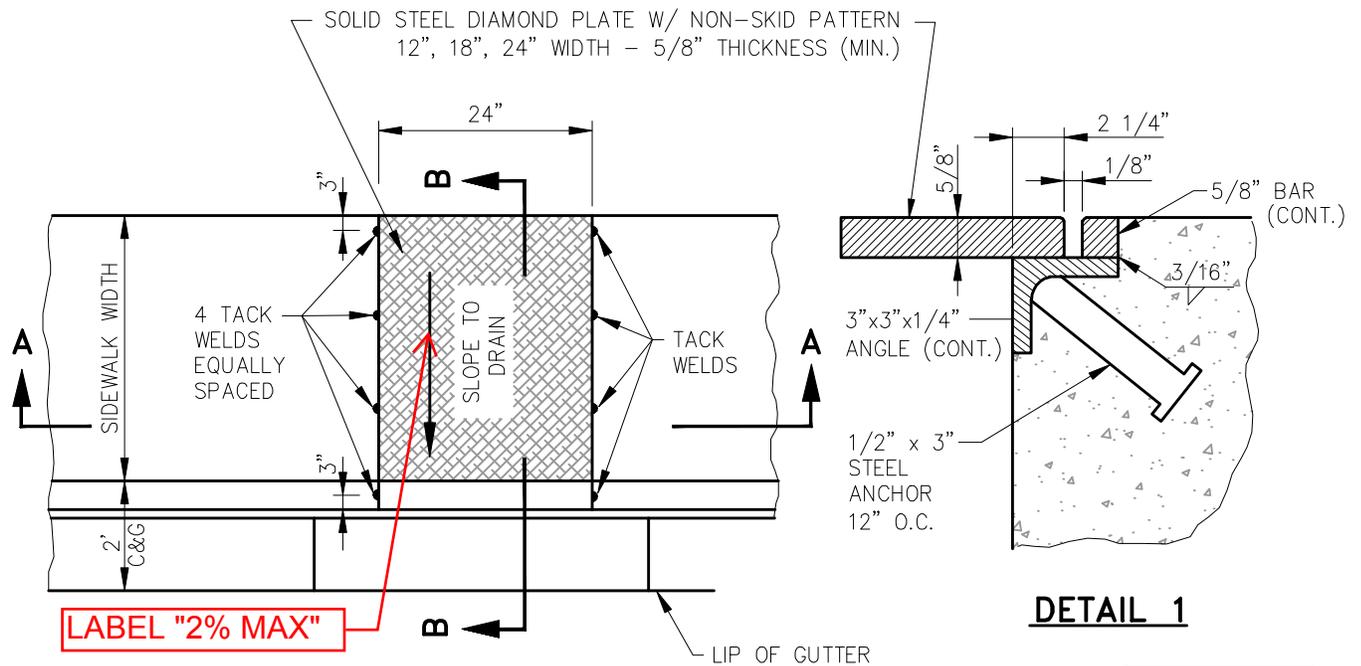
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Review of Current Carson City Design Standards

Sheet	Description	Comments
C-4.1.8	SIDEWALK CROSS DRAIN	Show label in plan view indicating the maximum cross slope to the drain should be 2%. Include "MAX." after each of the 2% cross slopes to the drain shown in section B-B.
C-5.1.2	P.C.C VALLEY GUTTER	Add slopes in percentage format to section A-A.
C-5.1.3	PCC CURB AND GUTTER TYPE 1	No comments
C-5.1.4	PCC CURB AND GUTTER TYPE 2	No comments
C-5.1.8	ROADWAY SECTION INDUSTRIAL STREETS	Consider making the sidewalk width 6' when the sidewalk is against the back of curb. Include "2% MAX" label to indicate maximum sidewalk cross slope.
C-5.1.9	ROADWAY SECTION URBAN STREET	Consider making the sidewalk width 6' when the sidewalk is against the back of curb. Include "2% MAX" label to indicate maximum sidewalk cross slope
C-5.1.9.1	SPECIAL SECTION URBAN STREETS	Include dimensions for sidewalk width and curb width. Consider making the sidewalk width 6' when the sidewalk is against the back of curb. Include "2% MAX" label to indicate maximum sidewalk cross slope.
C-5.1.10	ROADWAY SECTION RURAL ROADS	No comments
C-5.2.1	SIDEWALK AND DRIVEWAY GENERAL NOTES	Add note: "9. PROPOSED SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%."
C-5.2.2	TYPE "A" SIDEWALK	Consider showing two directional ramps in detail instead of a single diagonal ramp. For consistency, show all maximum slopes in percentage format instead of ratio format. Consider making the sidewalk width 6' when the sidewalk is against the back of curb. Include "2% MAX" label to indicate maximum sidewalk cross slope. Include dimensions to show 5' as the minimum ramp width and 2' as the minimum offset distance for the detectable warning surface from the ramp opening.
C-5.2.3	P.C.C. DRIVEWAY APRON TYPE 1	For consistency, show all maximum slopes in percentage format instead of ratio format. Include "14% MAX" label to indicate maximum running slope on the driveway transition shown in section A-A. Add period following the word "approval" in note 3.
C-5.2.4	P.C.C. DRIVEWAY APRON TYPE 2	For consistency, show all maximum slopes in percentage format instead of ratio format. Label 3' width where "1:4 MAX" is shown in the elevation section, add separate "25% MAX." label for maximum slope.
C-5.2.5	AC DRIVEWAY APRON RURAL ROADS	No comments
C-5.2.6	P.C.C. DRIVEWAY APRON BYPASS	For consistency, show all maximum slopes in percentage format instead of ratio format.
C-5.3.1	CURB RAMP GENERAL NOTES	Add note: "12. PROPOSED SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%."

Sheet	Description	Comments
C-5.3.2	PERPENDICULAR CURB RAMP - DIRECTIONAL	Show 5' X 5' landing area and note: "LANDING AREA 2% MAX SLOPE IN ANY DIRECTION". There is no need to show minimum flare slope percentage or minimum ramp running slope percentage, as ADA only specifies the maximum slope. Show maximum counter slope of 5%. Add a boundary showing the limits of pay. For consistency, show all maximum slopes in percentage format instead of ratio format.
C-5.3.3	PERPENDICULAR CURB RAMP - APEX	Show 5' X 5' landing area and note: "LANDING AREA 2% MAX SLOPE IN ANY DIRECTION". There is no need to show minimum flare slope percentage or minimum ramp running slope percentage, as ADA only specifies the maximum slope. Consider showing two directional ramps in detail instead of a single diagonal ramp. Show maximum counter slope of 5%. Add a boundary showing the limits of pay. For consistency, show all maximum slopes in percentage format instead of ratio format.
C-5.3.4	PARALLEL CURB RAMP - DIRECTIONAL	Where pedestrian access routes are contained within pedestrian street crossings, the grade (running slope) of the pedestrian access route shall be 5% maximum. Where pedestrian access routes are contained within pedestrian street crossings without yield or stop control, the cross slope of the pedestrian access route shall be 5% maximum. Where pedestrian access routes are contained within midblock pedestrian street crossings, the cross slope of the pedestrian access route shall be permitted to equal the street or highway grade.
C-5.3.5	PARALLEL CURB RAMP - APEX	Show maximum counter slope of 5%. Show minimum ramp/sidewalk width of 5'. Consider showing two directional ramps in detail instead of a single diagonal ramp. Add a boundary showing the limits of pay. For consistency, show all maximum slopes in percentage format instead of ratio format.
C-5.3.6	RADIAL CURB RAMP	Show maximum counter slope of 5%. Show minimum 48" X 48" clear space at base of ramp. There is no need to show minimum ramp running slope percentage, as ADA only specifies the maximum slope. Add a boundary showing the limits of pay. For consistency, show all maximum slopes in percentage format instead of ratio format.
C-5.3.7	LINEAR CURB RAMP - OFFSET	Show maximum counter slope of 5%. There is no need to show minimum ramp running slope percentage, as ADA only specifies the maximum slope. Add a boundary showing the limits of pay. For consistency, show all maximum slopes in percentage format instead of ratio format.
C-5.3.8	LINEAR CURB RAMP - SINGLE ADJACENT	Show maximum counter slope of 5%. Show landing area that is 5' x 5' and has a maximum slope of 2% in any direction. Show dimension of 2' as the minimum width of the detectable warning surface. Add a boundary showing the limits of pay. For consistency, show all maximum slopes with label "MAX" and in percentage format instead of ratio format.
C-5.3.9	MID BLOCK CURB RAMP	Show limits of level landing area and show 2% maximum slope in any direction. Show maximum counter slope of 5%. Add a boundary showing the limits of pay. For consistency, show all maximum slopes with label "MAX" and in percentage format instead of ratio format.
C-5.3.10	P.C.C. RETAINING CURB	No comments
C-5.4.2	STREET SIGN INSTALLATION	Update sign offset dimension to be "5'-0" MIN.". Update sign offset dimension to be from the back of curb instead of from the face of curb.

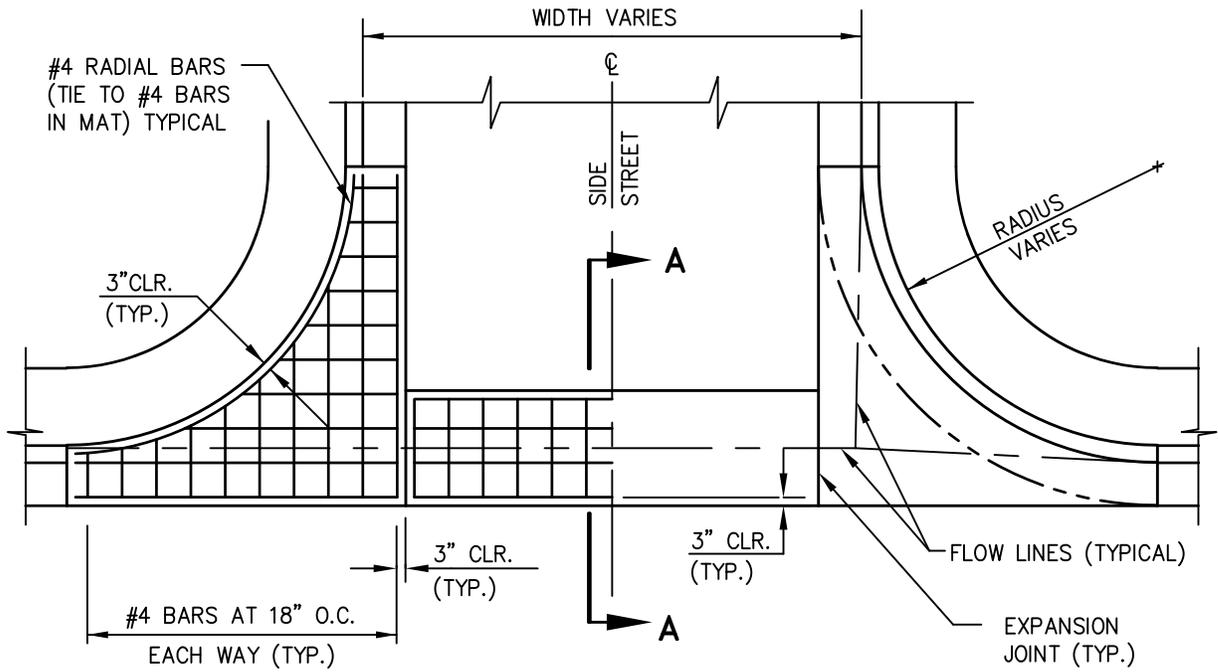
Sheet	Description	Comments
C-5.4.3	CROSSWALK LEGEND	Add note: "4. CROSS SLOPES WITHIN CROSSWALKS SHALL NOT EXCEED 5%."
C-5.5.1	PARKING LOT REQUIREMENTS	Add separate detail showing requirements for for accessible parking, accessible van parking, striping, signing, and access aisles.
C-5.5.2	PARKING LOT REQUIREMENTS	Add separate detail showing requirements for for accessible parking, accessible van parking, striping, signing, and access aisles.



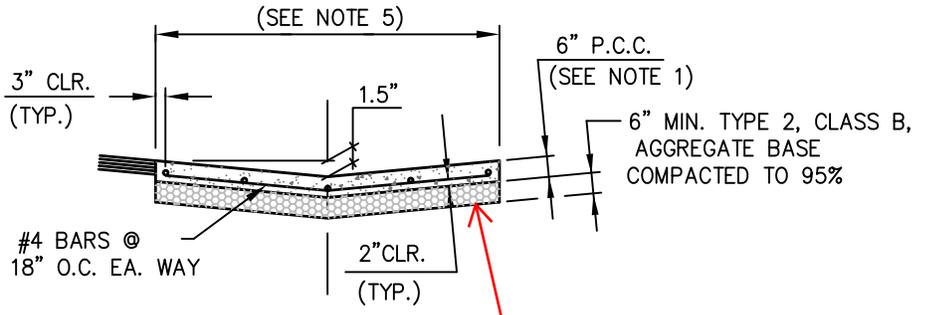
NOTES:

- IF WIDTH OF PLATE IS GREATER THAN 24 INCHES, A SPECIAL DESIGN IS REQUIRED.
- ALL EXPOSED METAL PARTS SHALL BE GALVANIZED AND ALL GALVANIZING DAMAGED BY FABRICATION OR INSTALLATION SHALL RECEIVE TWO COATS OF ALUMINUM PAINT (GALVONOX OR EQUAL).
- SHARP EDGES SHALL BE GROUND OFF AND PAINTED.
- FIBER-REINFORCED PORTLAND CEMENT CONCRETE (P.C.C.) SHALL HAVE THE FOLLOWING CHARACTERISTICS: 4000 PSI MIN. COMPRESSIVE STRENGTH @ 28 DAYS, MIN. 6 SACKS OF CEMENT PER CUBIC YARD WITH A MAX. WATER/CEMENT RATIO OF 0.45, AIR ENTRAINMENT 6% ±1.5%, SLUMP AT 1 TO 4 INCHES. ALL MATERIALS SHALL CONFORM TO SSPWC SECTION 202. POLYPROPYLENE FIBERS SHALL BE ADDED TO THE P.C.C. PER THE MANUFACTURER'S RECOMMENDATIONS.
- BASE BENEATH CONCRETE DRAIN SUPPORT STRUCTURE SHALL BE 6 INCH MIN. TYPE 2, CLASS B AGGREGATE BASE, COMPACTED TO A MINIMUM 95% OF MAXIMUM DRY DENSITY.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
1	FLOW	05/14		CARSON CITY
			SIDEWALK CROSS-DRAIN	DRAWING NO.
				C-4.1.8
APPROVED BY:		05/14		DATE
				5/2014



PLAN



SECTION A-A

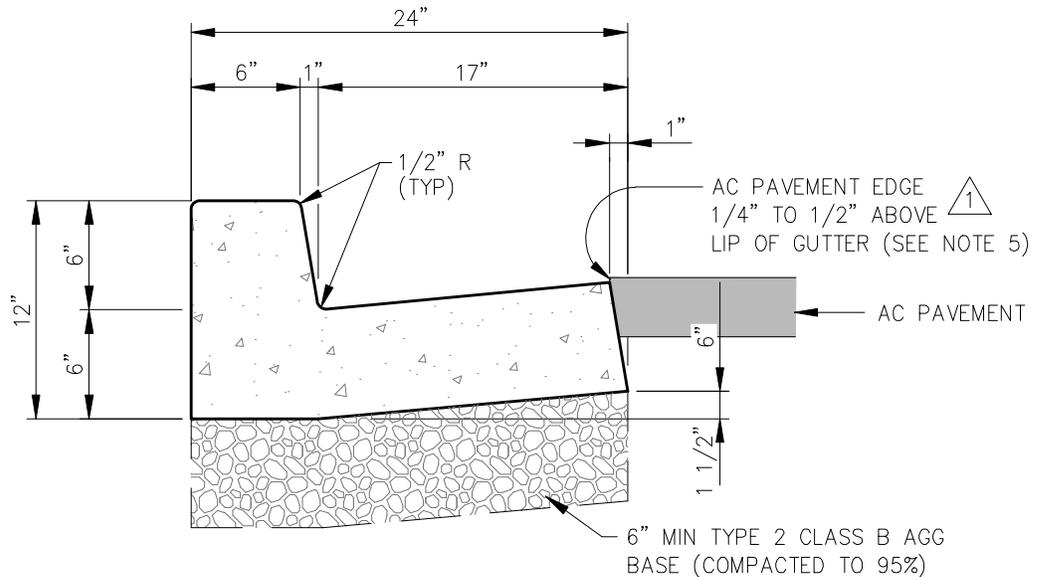
ADD MAXIMUM SLOPES IN % FORMAT

NOTES:

1. PORTLAND CEMENT CONCRETE (P.C.C.) SHALL HAVE THE FOLLOWING CHARACTERISTICS: SYNTHETIC FIBER-REINFORCEMENT (AT A MINIMUM OF 1 POUND PER CUBIC YARD), 4000 PSI MIN. COMPRESSIVE STRENGTH @ 28 DAYS, MIN. 6 SACKS OF CEMENT PER CUBIC YARD WITH A MAX. WATER/CEMENT RATIO OF 0.45, AIR ENTRAINMENT 6% ±1.5%, SLUMP AT 1 TO 4 INCHES. ALL MATERIALS SHALL CONFORM TO SSPWC SECTION 202. POLYPROPYLENE FIBERS SHALL BE ADDED TO THE P.C.C. PER THE MANUFACTURER'S RECOMMENDATIONS.
2. FOR INDUSTRIAL AREAS, AN ENGINEERED DESIGN IS REQUIRED.
3. AGGREGATE BASE SHALL BE ENGINEERED TYPE 2, CLASS B WITH 95% COMPACTION.
4. VALLEY GUTTER SHALL HAVE WEAKENED PLANE JOINTS EVERY 10 FEET.
5. LOCAL AND COLLECTOR STREETS, WIDTH = 6 FEET. ARTERIAL STREETS (DRIVEWAYS ONLY), WIDTH = 10 FEET.
6. VALLEY GUTTER SECTIONS (SPANDRELS) ALONG CURB & GUTTER SHALL BE A MONOLITHIC POUR AS SHOWN.
7. ALL CONCRETE EDGING AND JOINTING SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL C-5.1.1 AND CONFORM TO SECTION 312.09 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC).

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION CARSON CITY
			P.C.C. VALLEY GUTTER	DRAWING NO. C-5.1.2
				DATE 7/2009
APPROVED BY:		7/09		

NO COMMENTS

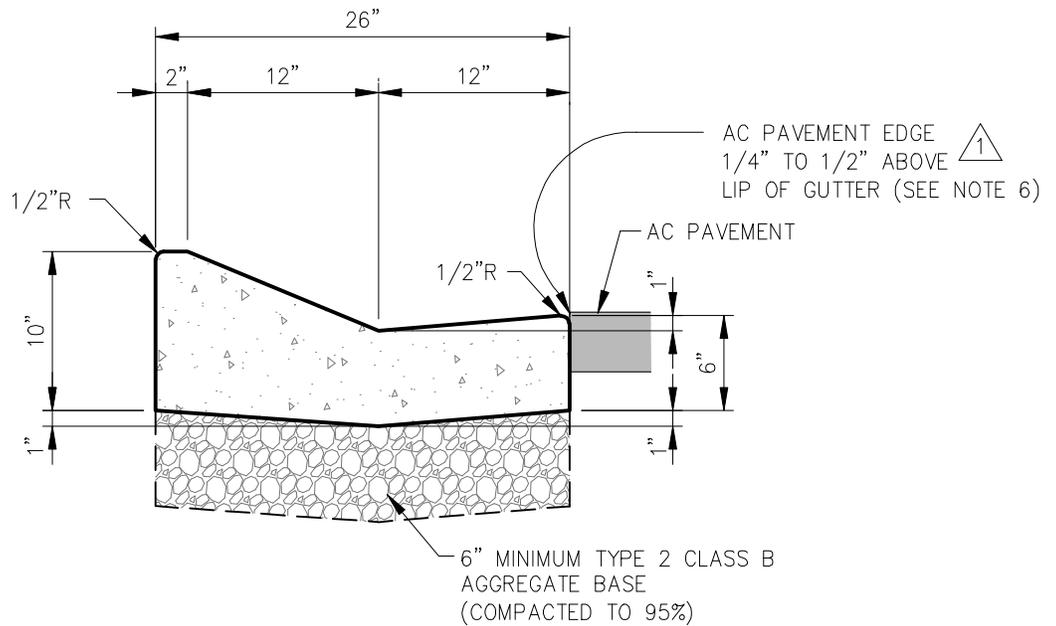


NOTES:

1. PORTLAND CEMENT CONCRETE (P.C.C.) SHALL HAVE THE FOLLOWING CHARACTERISTICS: SYNTHETIC FIBER-REINFORCEMENT (AT A MINIMUM OF 1 POUND PER CUBIC YARD), 4000 PSI MIN COMPRESSIVE STRENGTH @ 28 DAYS, MIN 6 SACKS OF CEMENT PER CUBIC YARD WITH A MAX. WATER/CEMENT RATIO OF 0.45, AIR ENTRAINMENT 6% ±1.5%, SLUMP AT 1 TO 4 INCHES ALL MATERIALS SHALL CONFORM TO SECTION 202 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
2. ALL CONCRETE CURB & GUTTER SHALL HAVE 1/2 INCH EXPANSION JOINTS EVERY 30 FEET (UNLESS APPROVED OTHERWISE BY THE ENGINEER) AND AT ALL CURB RETURNS AND SHALL HAVE WEAKENED PLANE JOINTS EVERY 10 FEET. CONCRETE EDGING AND JOINTING SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL C-5.1.1 AND CONFORM TO SECTION 312.09 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC).
3. ALL AGGREGATE BASE SHALL BE TYPE 2, CLASS B AND CONFORM TO SECTION 200.01. OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, AND SHALL BE MECHANICALLY COMPACTED TO 95% COMPACTION, IN CONFORMANCE WITH SECTION 308.05 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
4. CURBS SHALL BE MARKED WITH A 2 INCH "S" ON THE TOP OF CURB AT SEWER LATERAL LOCATIONS.
- △ 5. EXCEPTION: AC PAVEMENT EDGE SHALL BE FLUSH TO 1/4 INCH ABOVE THE LIP OF GUTTER WHEN LOCATED ADJACENT TO A PEDESTRIAN RAMP, WITHIN AN ACCESSIBLE ROUTE OR BIKE LANE.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
△ 1	AC/LIP	06/12	PCC CURB & GUTTER TYPE 1	CARSON CITY
△ 2	NOTE 5	05/14		DRAWING NO. C-5.1.3
				DATE 5/2014
APPROVED BY: 		05/14		

NO COMMENTS

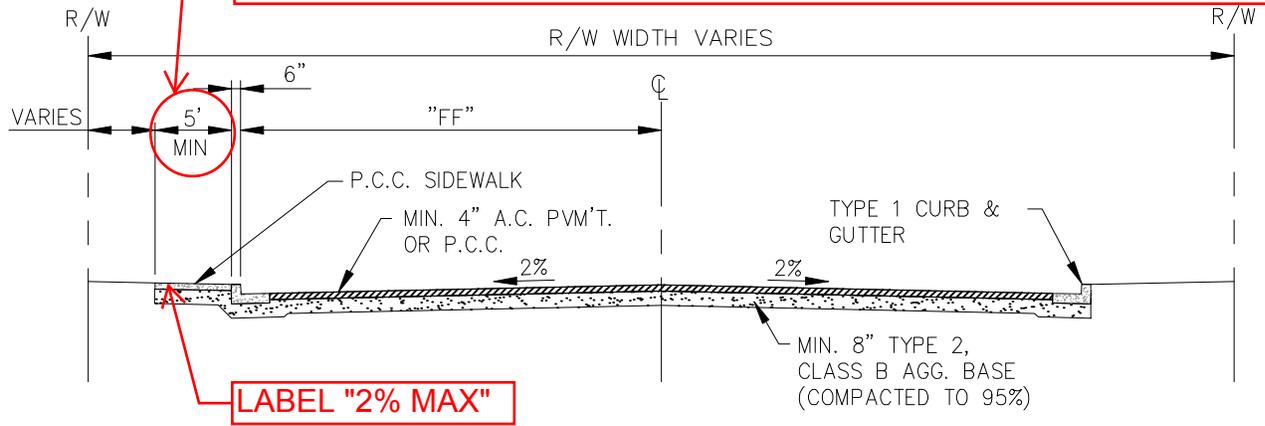


NOTES:

1. TYPE 2 CURB AND GUTTER REQUIRES SPECIFIC APPROVAL BY THE CARSON CITY ENGINEER OR PUBLIC WORKS DIRECTOR.
2. PORTLAND CEMENT CONCRETE (PCC) SHALL HAVE THE FOLLOWING CHARACTERISTICS; SYNTHETIC FIBER-REINFORCEMENT (AT A MINIMUM OF 1 POUND PER CUBIC YARD), 4000 PSI MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS, MINIMUM 6 SACKS OF CEMENT PER CUBIC YARD, W/MAXIMUM WATER-CEMENT RATIO OF 0.45, AIR ENTRAINMENT 6%±1.5%, SLUMP 1 TO 4 INCHES. ALL MATERIALS SHALL CONFORM TO SECTION 202 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC) FOR CONCRETE EXPOSED TO FREEZE-THAW ENVIRONMENTS.
3. ALL CONCRETE EDGING AND JOINTING SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL C-5.1.1 AND CONFORM TO SECTION 312.09 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC).
4. ALL AGGREGATE BASE SHALL BE TYPE 2, CLASS B AND CONFORM TO SECTION 200.01. OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, AND SHALL BE MECHANICALLY COMPACTED TO 95% COMPACTION, IN CONFORMANCE WITH SECTION 308.05 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
5. CURBS SHALL BE MARKED WITH A 2 INCH "S" ON THE TOP OF CURB AT SEWER LATERAL LOCATIONS.
- △2 6. EXCEPTION: AC PAVEMENT EDGE SHALL BE FLUSH TO 1/4 INCH ABOVE THE LIP OF GUTTER WHEN LOCATED ADJACENT TO A PEDESTRIAN RAMP, WITHIN AN ACCESSIBLE ROUTE OR BIKE LANE.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
△1	AC/LIP	06/12	PCC CURB & GUTTER TYPE 2	CARSON CITY
△2	NOTE 6	05/14		DRAWING NO. C-5.1.4
				DATE 5/2014
APPROVED BY: 		05/14		

CONSIDER MAKING WIDTH 6' WHEN SIDEWALK IS AGAINST CURB



LABEL "2% MAX"

FUNCTIONAL CLASSIFICATION INDUSTRIAL	NUMBER OF LANES	WITHOUT BIKE LANES	
		NO PARKING	SIDEWALK
		MINIMUM "FF"	MINIMUM
COLLECTOR	3	20'	5'
	3	20'	5'
LOCAL	2	N/A	5'

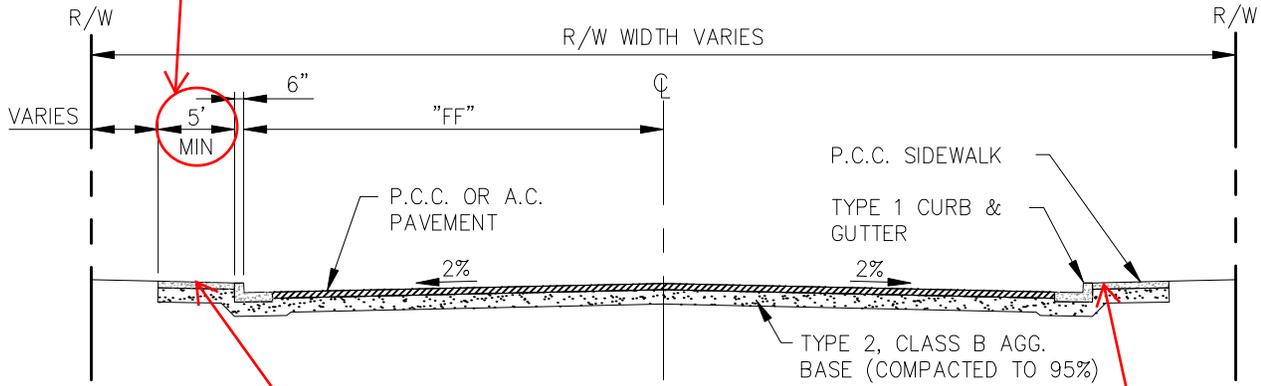
FUNCTIONAL CLASSIFICATION INDUSTRIAL	NUMBER OF LANES	WITH BIKE LANES	
		NO PARKING	SIDEWALK
		MINIMUM "FF"	MINIMUM
COLLECTOR	3	24.5'	5'
	3	24.5'	5'
LOCAL	2	20'	5'

NOTES:

- DISTANCE "FF" IS MEASURED TO FRONT FACE OF CURB.
- STRUCTURAL SECTION BY ENGINEERING DESIGN, BUT NOT LESS THAN THE MINIMUM SHOWN.
- ALL A.C. SURFACES SHALL BE COMPACTED TO 96% (MINIMUM) MARSHALL MAXIMUM DENSITY AND RECEIVE A FOG SEAL.
- COLLECTOR STREETS SHALL INCLUDE CENTER STRIPING.
- COLLECTOR STREETS WITH BIKE LANES SHALL INCLUDE BICYCLE PAVEMENT MARKINGS AND SIGNS PER M.U.T.C.D.
- BITUMINOUS PAVING MACHINES SHALL BE SELF CONTAINED, POWER-PROPELLED UNITS, WITH AN ACTIVATED SCREED OR STRIKE-OFF ASSEMBLY, HEATED IF NECESSARY, MINIMUM HOPPER CAPACITY OF 10 TONS AND CAPABLE OF SPREADING AND FINISHING COURSES OF BITUMINOUS MIXTURE IN LANE AND SHOULDER WIDTHS APPLICABLE TO THE SPECIFIED TYPICAL SECTION AND THICKNESS SHOWN ON PLANS.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION CARSON CITY
1	NOTE 6	6/12	ROADWAY SECTION INDUSTRIAL STREETS	DRAWING NO. C-5.1.8
2	NOTE 5	05/14		DATE 5/2014
APPROVED BY:		05/14		

CONSIDER MAKING WIDTH 6' WHEN SIDEWALK IS AGAINST CURB



LABEL "2% MAX"

LABEL "2% MAX"

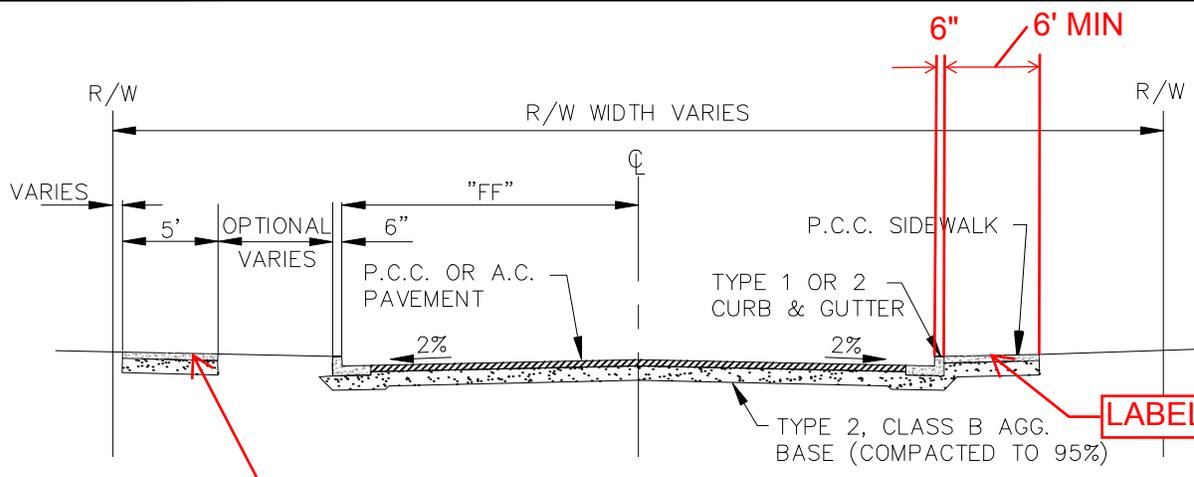
MINIMUM STRUCTURAL SECTION	
ARTERIAL	(MIN. 6" A.C. W/ MIN. 12" AGG. BASE)
COLLECTOR	(MIN. 4" A.C. W/ 8" AGG. BASE)
LOCAL	(MIN. 3" A.C. W/6" AGG. BASE)

FUNCTIONAL CLASSIFICATION URBAN	NUMBER OF LANES	WITHOUT BIKE LANES			
		NO PARKING	PARKING ONE SIDE	PARKING BOTH SIDES	SIDEWALK
		MINIMUM "FF"	MINIMUM "FF"	MINIMUM "FF"	MINIMUM
ARTERIAL	5	32'	N/A	N/A	5'
	4	27.5'			5'
COLLECTOR	3	18.5'	23'	30.5'	5'
	2	15.5'	19.5'	23.5'	5'
LOCAL	2	15.5'	19.5'	23.5'	5'
FUNCTIONAL CLASSIFICATION URBAN	NUMBER OF LANES	WITH BIKE LANES			
		NO PARKING	PARKING ONE SIDE	PARKING BOTH SIDES	SIDEWALK
		MINIMUM "FF"	MINIMUM "FF"	MINIMUM "FF"	MINIMUM
ARTERIAL	5	36'	N/A	N/A	5'
	4	29'			5'
COLLECTOR	3	23'	27.5'	32'	5'
	2	17'	21.5'	25'	5'
LOCAL	2	17'	N/A	N/A	5'

NOTES:

- DISTANCE "FF" IS MEASURED TO FRONT FACE OF CURB.
- STRUCTURAL SECTION BY ENGINEERING DESIGN, BUT NOT LESS THAN THE MINIMUM SHOWN.
- ALL A.C. SURFACES SHALL BE COMPACTED TO 96% (MINIMUM) MARSHALL MAXIMUM DENSITY AND RECEIVE A FOG SEAL.
- COLLECTOR STREETS SHALL INCLUDE CENTER STRIPING.
- COLLECTOR STREETS WITH BIKE LANES SHALL INCLUDE BICYCLE PAVEMENT MARKINGS AND SIGNS PER M.U.T.C.D.
- BITUMINOUS PAVING MACHINES SHALL BE SELF CONTAINED, POWER-PROPELLED UNITS, WITH AN ACTIVATED SCREED OR STRIKE-OFF ASSEMBLY, HEATED IF NECESSARY, MINIMUM HOPPER CAPACITY OF 10 TONS AND CAPABLE OF SPREADING AND FINISHING COURSES OF BITUMINOUS MIXTURE IN LANE AND SHOULDER WIDTHS APPLICABLE TO THE SPECIFIED TYPICAL SECTION AND THICKNESS SHOWN ON PLANS.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
1	NOTE 6	6/12		CARSON CITY
			ROADWAY SECTION URBAN STREETS	DRAWING NO.
				C-5.1.9
APPROVED BY:		6/12		DATE
				6/2012



LABEL "2% MAX"

LABEL "2% MAX"

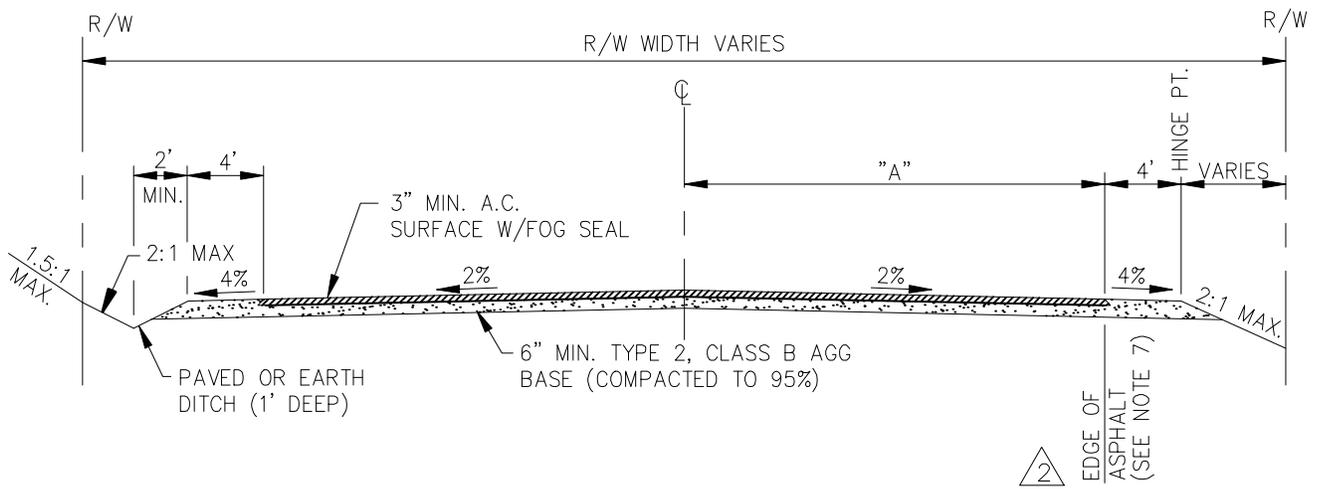
FUNCTIONAL CLASSIFICATION	NO PARKING	PARKING ONE SIDE	PARKING BOTH SIDES	SIDEWALK
SPECIAL URBAN	"FF"	"FF"	"FF"	MIN.
LOCAL - 25 MPH	12' 11'	15' 14'	17' 16'	5' 5'
LOCAL - 15-20 MPH	10'	13'	15'	5'

APPLICABILITY: THE SPECIAL URBAN STREET SECTION IS INTENDED FOR USE PRIMARILY IN DENSE RESIDENTIAL PLANNED UNIT DEVELOPMENTS. USE OF THE SPECIAL URBAN STREET SECTION REQUIRES SPECIFIC APPROVAL FROM THE CARSON CITY ENGINEER OR PUBLIC WORKS DIRECTOR.

NOTES:

- DISTANCE "FF" IS MEASURED TO FRONT FACE OF CURB.
- STRUCTURAL SECTION BY ENGINEERING DESIGN, BUT NOT LESS THAN THE MINIMUM 3 INCHES OF A.C. W/6 INCHES OF AGG. BASE.
- ALL A.C. SURFACES SHALL BE COMPACTED TO 96% (MINIMUM) MARSHALL MAXIMUM DENSITY AND RECEIVE A FOG SEAL.
- STREET LENGTH CENTERLINE TO CENTERLINE IS TYPICALLY 440 FEET TO 600 FEET.
-  BITUMINOUS PAVING MACHINES SHALL BE SELF CONTAINED, POWER-PROPELLED UNITS, WITH AN ACTIVATED SCREED OR STRIKE-OFF ASSEMBLY, HEATED IF NECESSARY, MINIMUM HOPPER CAPACITY OF 10 TONS AND CAPABLE OF SPREADING AND FINISHING COURSES OF BITUMINOUS MIXTURE IN LANE AND SHOULDER WIDTHS APPLICABLE TO THE SPECIFIED TYPICAL SECTION AND THICKNESS SHOWN ON PLANS.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
	NOTE 5	6/12	SPECIAL SECTION URBAN STREETS	CARSON CITY
				DRAWING NO. C-5.1.9.1
				DATE 6/2012
APPROVED BY: 		6/12		



FUNCTIONAL CLASSIFICATION	NUMBER OF LANES	WITHOUT BIKE LANES			
		NO PARKING	PARKING ONE SIDE	PARKING BOTH SIDES	SIDEWALK
		MIN. DESIRABLE "A"	MIN. DESIRABLE "A"	MIN. DESIRABLE "A"	MIN. DESIRABLE "A"
RURAL					
COLLECTOR	2	15'	N/A	N/A	N/A
LOCAL	2	14'	N/A	N/A	N/A
FUNCTIONAL CLASSIFICATION	NUMBER OF LANES	WITH BIKE LANES			
		NO PARKING	PARKING ONE SIDE	PARKING BOTH SIDES	SIDEWALK
		MIN. DESIRABLE "A"	MIN. DESIRABLE "A"	MIN. DESIRABLE "A"	MIN. DESIRABLE "A"
RURAL					
COLLECTOR	2	18'	N/A	N/A	N/A
LOCAL	2	17'	N/A	N/A	N/A

NOTES:

- DISTANCE "A" IS MEASURED TO OUTSIDE EDGE OF ASPHALT.
- STRUCTURAL SECTION BY ENGINEERING DESIGN, BUT NOT LESS THAN THE MINIMUM SHOWN.
- ALL A.C. SURFACES SHALL BE COMPACTED TO 96% (MINIMUM) MARSHALL MAXIMUM DENSITY.
- COLLECTOR ROADWAYS SHALL INCLUDE CENTER STRIPING AND FOG LINES
- COLLECTOR ROADWAYS WITH BIKE LANES SHALL INCLUDE BICYCLE MARKINGS AND SIGNS PER M.U.T.C.D. LANES SHALL BE 4 FEET AS MEASURED FROM THE EDGE OF PAVEMENT.
- 1 BITUMINOUS PAVING MACHINES SHALL BE SELF CONTAINED, POWER-PROPELLED UNITS, WITH AN ACTIVATED SCREED OR STRIKE-OFF ASSEMBLY, HEATED IF NECESSARY, MINIMUM HOPPER CAPACITY OF 10 TONS AND CAPABLE OF SPREADING AND FINISHING COURSES OF BITUMINOUS MIXTURE IN LANE AND SHOULDER WIDTHS APPLICABLE TO THE SPECIFIED TYPICAL SECTION AND THICKNESS SHOWN ON PLANS.
- 2 EDGE OF ASPHALT SHALL BE SLOPED AT 1:1.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
1	NOTE 6	6/12	ROADWAY SECTION RURAL ROADS	CARSON CITY
2	NOTE 7	05/14		DRAWING NO. C-5.1.10
				DATE 5/2014
APPROVED BY:		05/14		

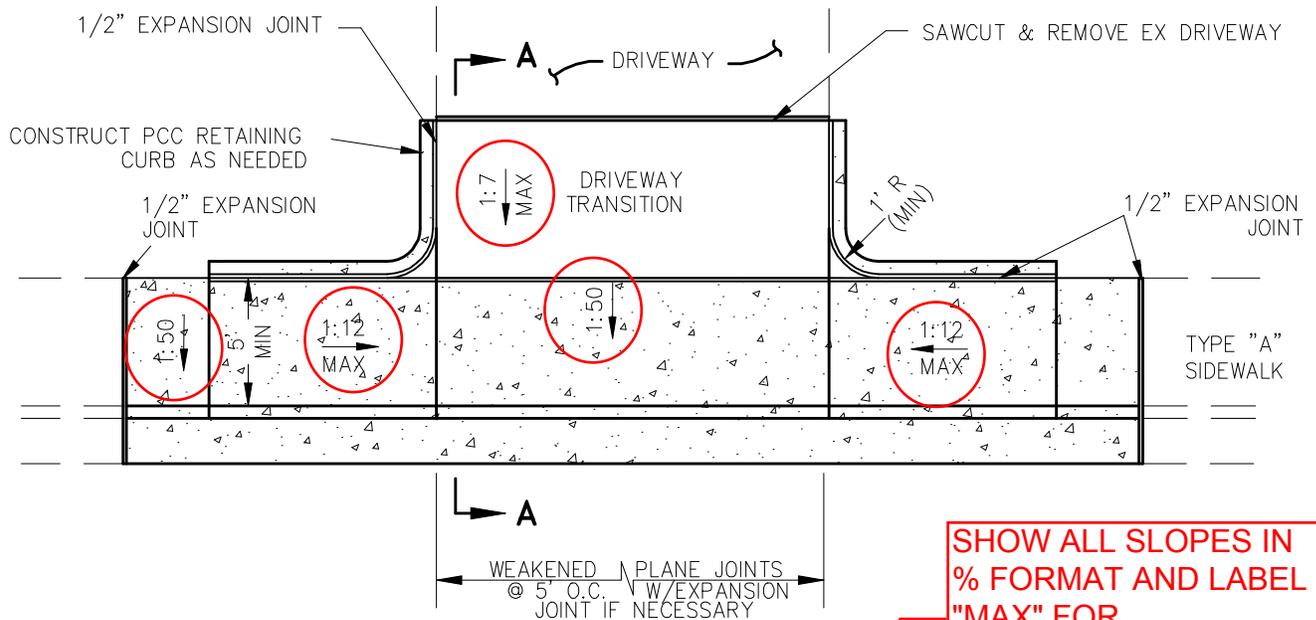
1. NO CONCRETE SHALL BE PLACED UNTIL FORMS AND SUBGRADE ARE INSPECTED AND APPROVED BY CARSON CITY PUBLIC WORKS.
2. PORTLAND CEMENT CONCRETE (P.C.C.) SHALL HAVE THE FOLLOWING CHARACTERISTICS: SYNTHETIC FIBER-REINFORCEMENT (AT A MINIMUM OF 1 POUND PER CUBIC YARD), WITH COARSE AGGREGATE GRADATION CONFORMING TO SIZE No. 67 PER SECTION 200.05.03 OF THE STANDARD SPECIFICATIONS, AND SHALL HAVE A 1 TO 4 INCH SLUMP, AND 4 TO 7 PERCENT ENTRAINED AIR. 4000 PSI MIN COMPRESSIVE STRENGTH @ 28 DAYS, MIN 6 SACKS OF TYPE II CEMENT PER CUBIC YARD WITH A MAX. WATER/CEMENT RATIO OF 0.45, AIR ENTRAINMENT 6% ±1.5%, SLUMP AT 1 TO 4 INCHES ALL MATERIALS SHALL CONFORM TO SSPWC SECTION 202. OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
3. ALL CONCRETE EDGING AND JOINTING SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. DETAIL C-5.1.1 AND CONFORM TO SEC. 312.09 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC).
4. IF OBSTRUCTIONS SUCH AS INLETS, UTILITY POLES, FIRE HYDRANTS, ETC. ARE ENCOUNTERED, THE LOCATION AND DIMENSIONS MAY BE ADJUSTED UPON APPROVAL BY CARSON CITY PUBLIC WORKS. A MINIMUM SURFACE OF 5 FEET X 5 FEET CLEAR IS REQUIRED WHEN DIRECTION OF TRAVEL MAY CHANGE AND A MINIMUM SURFACE OF 4 FEET CLEAR IS REQUIRED WHERE DIRECTION OF TRAVEL IS NOT EXPECTED TO CHANGE, UNLESS OTHERWISE APPROVED BY THE CARSON CITY ENGINEER OR PUBLIC WORKS DIRECTOR.
5. EXISTING CONCRETE SHALL BE REMOVED TO A NEAT SAWCUT LINE OR NEAREST EXPANSION JOINT.
6. ALL AGGREGATE BASE SHALL BE TYPE 2, CLASS B AND SHALL CONFORM TO SEC.200.01. OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC).
7. NEW CONCRETE SHALL HAVE A HEAVY BROOM FINISH PERPENDICULAR TO SIDEWALK.
8. AC PAVEMENT EDGE SHALL BE 1/4 INCH TO 1/2 INCH ABOVE THE LIP OF GUTTER.
EXCEPTION: AC PAVEMENT EDGE SHALL BE FLUSH TO 1/4 INCH ABOVE THE LIP OF GUTTER WHEN LOCATED ADJACENT TO A PEDESTRIAN RAMP, WITHIN AN ACCESSIBLE ROUTE OR BIKE LANE.
9. **PROPOSED SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.**



9. **PROPOSED SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.**

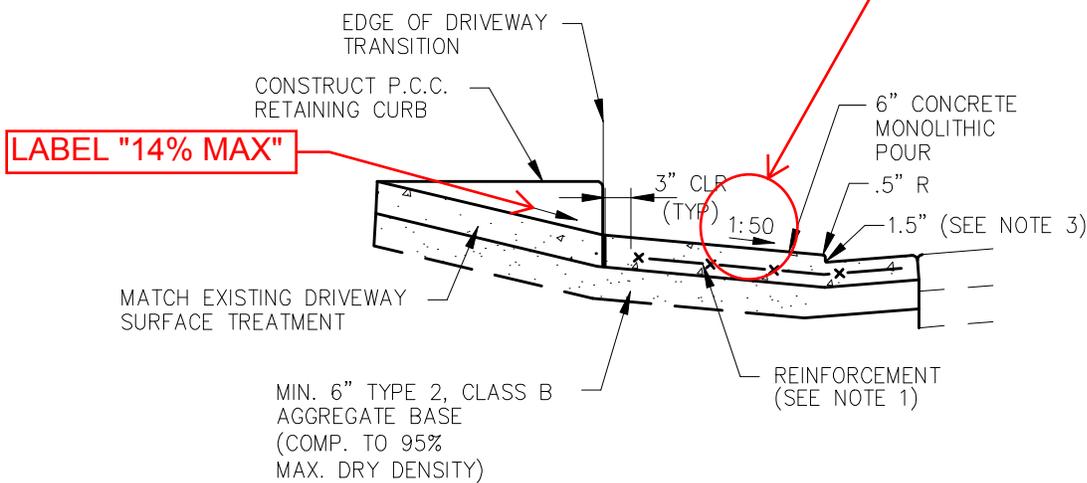
 **ADD NOTE**

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
1	NOTE 8	05/14	SIDEWALK AND DRIVEWAY GENERAL NOTES	CARSON CITY
				DRAWING NO. C-5.2.1
				DATE 5/2014
APPROVED BY: 		05/14		



PLAN
NTS

SHOW ALL SLOPES IN % FORMAT AND LABEL "MAX" FOR CONSISTENCY (SEE ALL CIRCLED SLOPES)



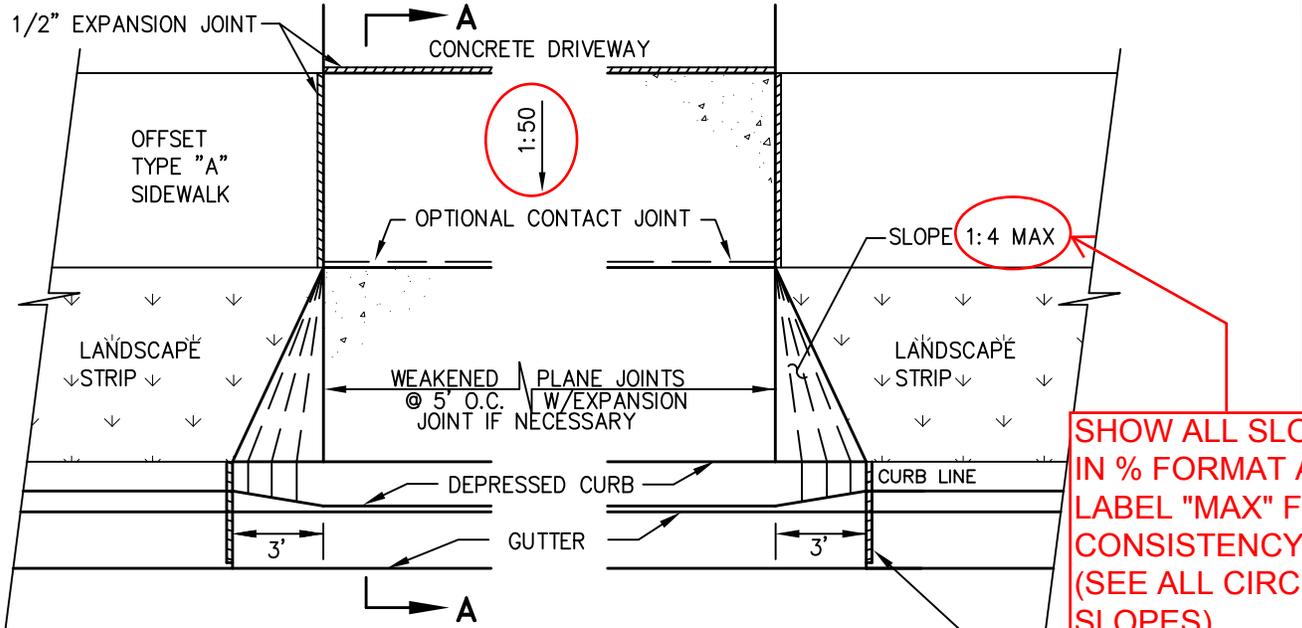
SECTION A-A
NTS

NOTES:

1. COMMERCIAL DRIVEWAYS TO HAVE 6 INCH X 6 INCH 10/10 WIRE MESH EXTENDED INTO GUTTER PAN UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
2. DRIVEWAY LANDING, SIDEWALK, CURB & GUTTER TO BE MONOLITHIC POUR TO A.C. LINE.
3. CURB HEIGHT AT LANDING SHALL BE 1 INCH MINIMUM AND 2 INCH MAXIMUM (3 INCH MAX UPON CARSON CITY PUBLIC WORKS APPROVAL). 2 INCH RADIUS TO BE USED WHEN CURB HEIGHT AT LANDING IS GREATER THAN 2 INCHES.
4. DRIVEWAY APRONS SHALL BE CONSTRUCTED IN COMPLIANCE WITH STANDARD DETAILS C-5.1.1 AND C-5.2.1.

ADD PERIOD

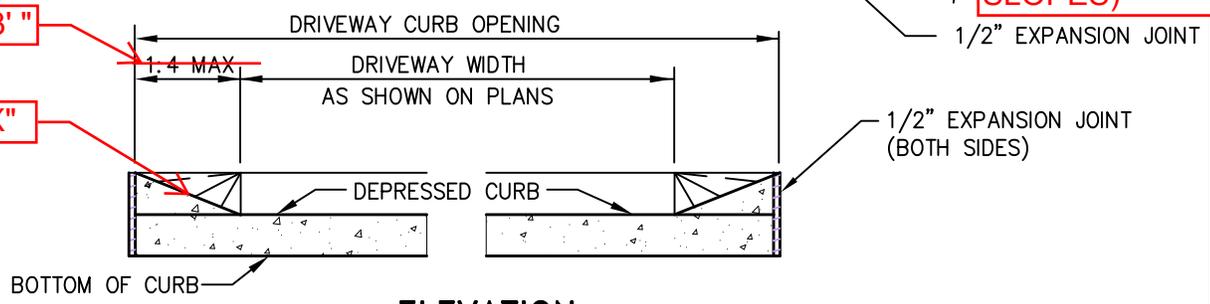
NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION CARSON CITY
1	NOTE 1	05/14	P.C.C. DRIVEWAY APRON TYPE 1	DRAWING NO. C-5.2.3
				DATE 5/2014
APPROVED BY: <i>DB</i>		05/14		



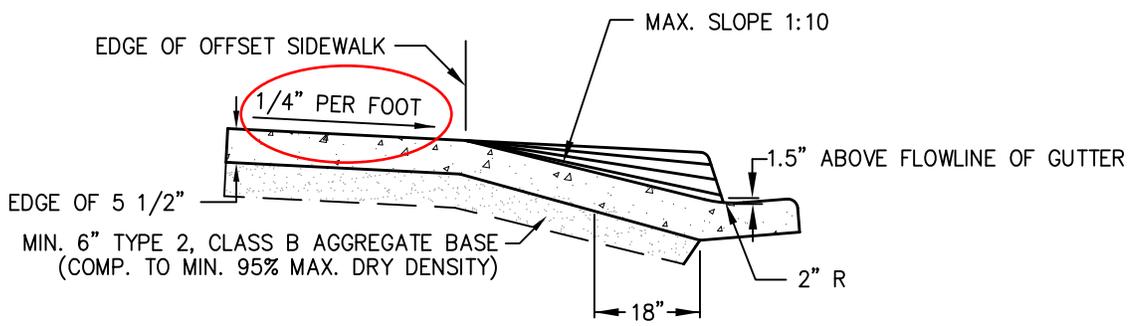
SHOW ALL SLOPES IN % FORMAT AND LABEL "MAX" FOR CONSISTENCY (SEE ALL CIRCLED SLOPES)

LABEL "3'"

LABEL "25% MAX"



ELEVATION
NTS

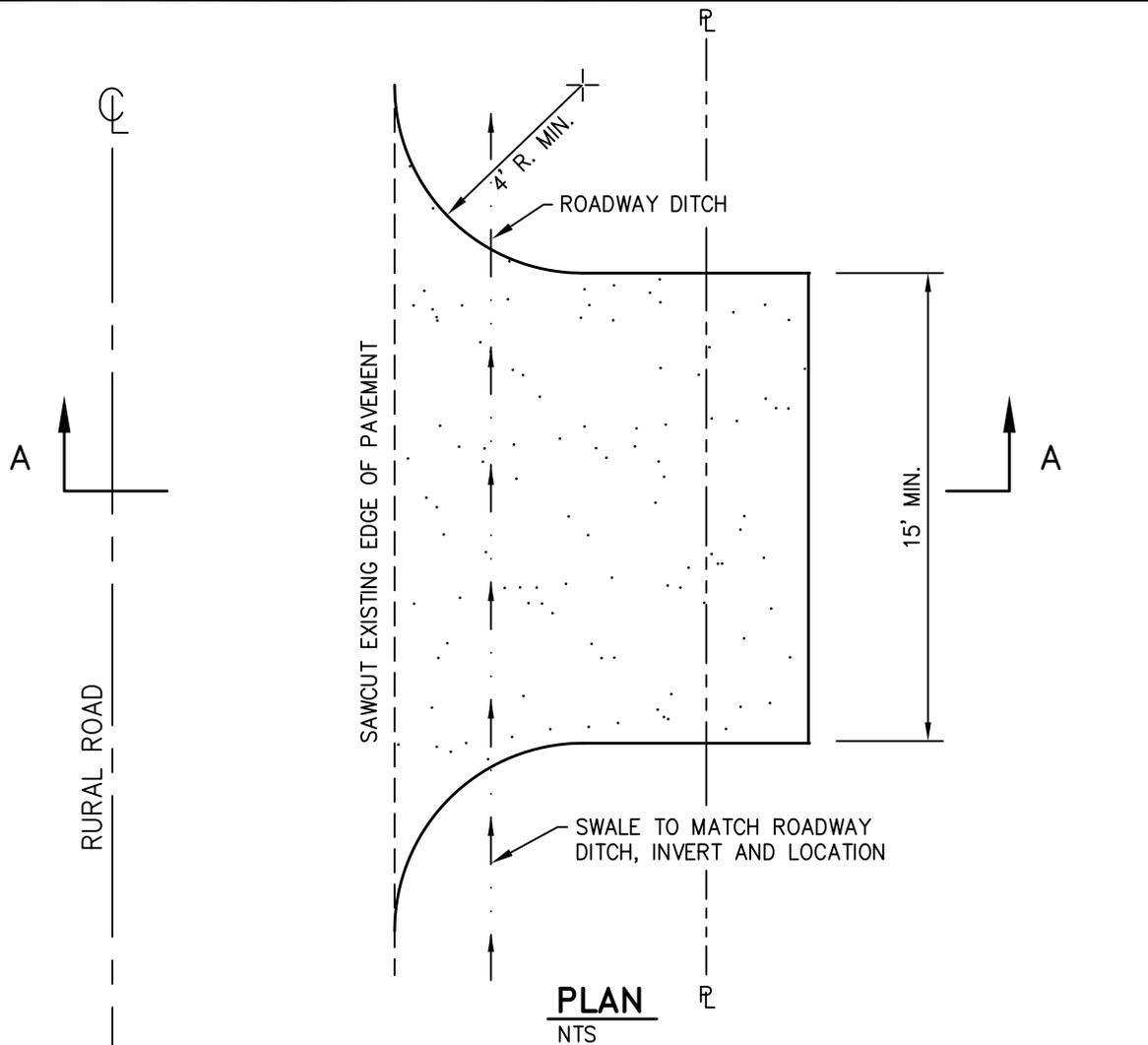


SECTION A-A
NTS

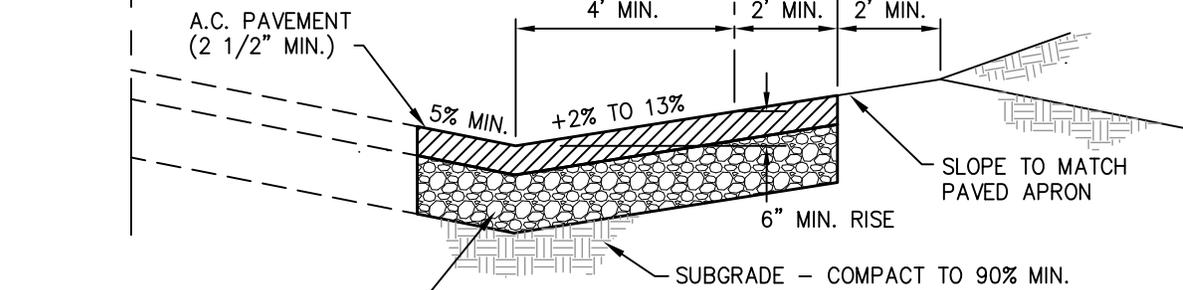
NOTES:

1. TYPE 2 DRIVEWAY APRON TO BE USED WITH OFFSET SIDEWALK UNLESS 5 FOOT SURFACE WITH 2% MAXIMUM BYPASS IS PROVIDED.(SEE DRIVEWAY APRON BYPASS DETAIL C-5.2.6)
2. COMMERCIAL DRIVEWAYS TO HAVE 6 INCH X 6 INCH 10/10 WIRE MESH EXTENDED INTO GUTTER PAN.
3. IF EXPANSION JOINTS EXIST WITHIN 4 FEET OF DRIVEWAY, REMOVE SIDEWALK AND CURB AND GUTTER TO THAT JOINT.
4. DRIVEWAY APRONS SHALL BE CONSTRUCTED IN COMPLIANCE WITH STANDARD DETAILS C-5.1.1 AND C-5.2.1.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION CARSON CITY
			P.C.C. DRIVEWAY APRON TYPE 2	DRAWING NO. C-5.2.4
				DATE 7/2009
APPROVED BY:		7/09		



PLAN
NTS



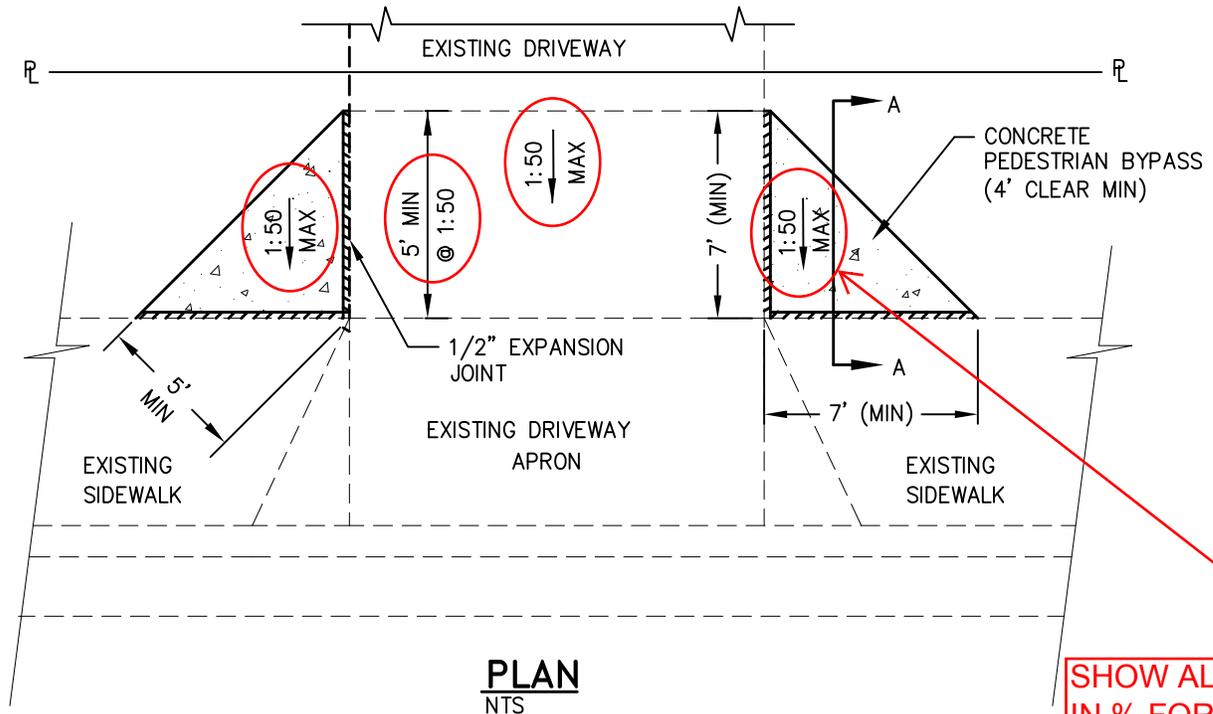
6" TYPE 2 CLASS B AGGREGATE
BASE (COMP. TO 95% MIN.)

SECTION A-A
NTS

NOTES:

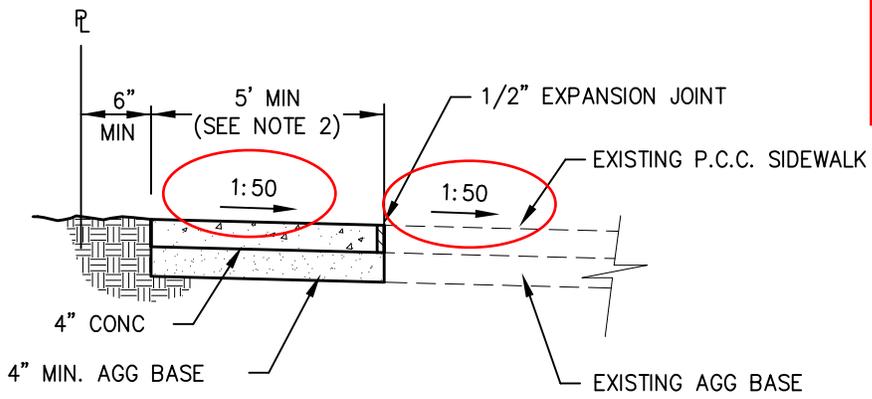
1. IN LIEU OF A.C. SURFACING A 6 INCH THICK P.C.C. SLAB WITH 6 INCH x 6 INCH WWF AND 6 INCHES OF SELECT GRANULAR BASE (COMP. TO 95% MIN.) MAY BE USED.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
			A.C. DRIVEWAY APRON RURAL ROADS	CARSON CITY
				DRAWING NO. C-5.2.5
				DATE 7/2009
APPROVED BY: 				7/09



PLAN
NTS

**SHOW ALL SLOPES
IN % FORMAT AND
LABEL "MAX" FOR
CONSISTENCY
(SEE ALL CIRCLED
SLOPES)**



SECTION A-A
NTS

NOTES:

1. BYPASS TO BE USED FOR RETROFIT OF EXISTING DRIVEWAY APRONS WITH 2% MAXIMUM SLOPE BEHIND DRIVEWAY APRON AS SHOWN. ALL OTHER CASES TO USE PCC DRIVEWAY APRON – TYPE 1 (SEE DETAIL C-5.2.3.)
2. IF OBSTRUCTIONS SUCH AS INLETS, UTILITY POLES, FIRE HYDRANTS, ETC. ARE ENCOUNTERED, THE LOCATION AND DIMENSIONS MAY BE ADJUSTED UPON APPROVAL BY CARSON CITY PUBLIC WORKS.
3. BYPASS FINISH GRADE SHALL BE 1/4" OR LESS ABOVE EXISTING ADJACENT SURFACES.
4. DRIVEWAY APRON BYPASSES SHALL BE CONSTRUCTED IN COMPLIANCE WITH STANDARD DETAILS C-5.1.1 AND C-5.2.1.

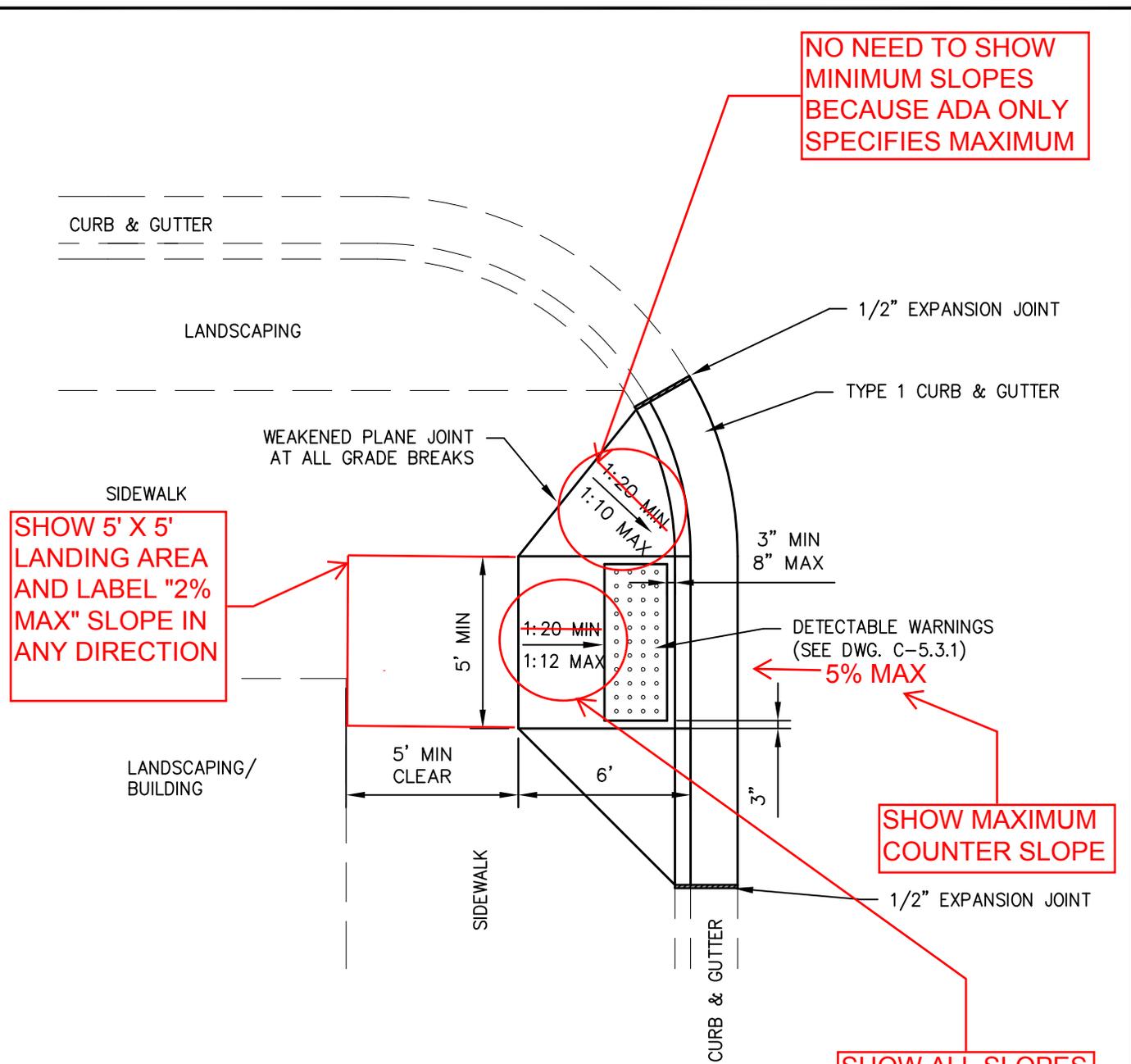
NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
			P.C.C. DRIVEWAY APRON BYPASS	CARSON CITY
				DRAWING NO. C-5.2.6
				DATE 7/2009
APPROVED BY: 				

1. NO CONCRETE SHALL BE PLACED UNTIL FORMS AND SUBGRADE ARE INSPECTED BY CARSON CITY ENGINEERING DIVISION.
2. PORTLAND CEMENT CONCRETE (P.C.C.) SHALL HAVE THE FOLLOWING CHARACTERISTICS: SYNTHETIC FIBER-REINFORCEMENT (AT A MINIMUM OF 1 POUND PER CUBIC YARD), 4000 PSI MIN COMPRESSIVE STRENGTH @ 28 DAYS, MIN 6 SACKS OF CEMENT PER CUBIC YARDS WITH A MAX. WATER/CEMENT RATIO OF 0.45, AIR ENTRAINMENT 6% ±1.5%, SLUMP AT 1 TO 4 INCHES ALL MATERIALS SHALL CONFORM TO SSPWC SECTION 202. OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
3. ALL CONCRETE EDGING AND JOINTING SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. DETAIL C-5.1.1 AND CONFORM TO SEC. 312.09 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC).
4. IF OBSTRUCTIONS SUCH AS INLETS, UTILITY POLES, FIRE HYDRANTS, ETC. ARE ENCOUNTERED, THE LOCATION AND DIMENSIONS MAY BE ADJUSTED UPON APPROVAL BY CARSON CITY ENGINEER OR PUBLIC WORKS DIRECTOR. A MINIMUM LANDING OF 5 FEET X 5 FEET CLEAR IS REQUIRED WHEN DIRECTION OF TRAVEL MAY CHANGE. A MINIMUM OF 4 FEET CLEAR IS MAY BE USED UPON APPROVAL OF THE CARSON CITY ENGINEER OR PUBLIC WORKS DIRECTOR WHERE DIRECTION OF TRAVEL IS NOT EXPECTED TO CHANGE.
5. WHEN A CROSSWALK IS SERVICED BY RAMP, LANDINGS SHALL BE CONTAINED WITHIN THE CROSSWALK AREA.
6. EXISTING CONCRETE SHALL BE REMOVED TO A NEAT SAWCUT LINE OR NEAREST EXPANSION JOINT.
7. PLANTMIX BITUMINOUS SURFACE SHALL BE FLUSH WITH THE EDGE OF THE GUTTER PAN IN THE AREA OF THE CURB RAMP. GUTTER SHALL MAINTAIN POSITIVE DRAINAGE TO PREVENT PONDING.
8. ALL AGGREGATE BASE SHALL BE TYPE 2, CLASS B AND SHALL CONFORM TO SEC.200.01. OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC).
9. NEW CONCRETE SHALL HAVE A HEAVY BROOM FINISH PERPENDICULAR TO SIDEWALK.
10. DETECTABLE WARNINGS SHALL BE EAST JORDAN IRON WORKS 7005 SERIES CAST IRON DETECTABLE WARNING PLATES OR APPROVED EQUAL. INSTALLED PER MANUFACTURERS INSTALLATION GUIDELINES AND CONFORM TO ADAAG (4.29) "DETECTABLE WARNINGS". COLOR: ASPHALT DIPPED UNLESS OTHERWISE APPROVED BY CARSON CITY ENGINEER OR PUBLIC WORKS DIRECTOR. RADIAL DETECTABLE WARNINGS SHALL BE USED WHEN REQUIRED TO MAINTAIN MINIMUM CLEARANCE OF 3 INCHES AND MAXIMUM CLEARANCE OF 8 INCHES FROM DETECTABLE WARNINGS TO BACK FACE OF CURB. RADIAL DETECTABLE WARNINGS SHALL HAVE A RADIUS WITHIN 5 FEET OF BACK FACE OF CURB RADIUS.
- △ 11. AC PAVEMENT EDGE SHALL BE 1/4 INCH TO 1/2 INCH ABOVE THE LIP OF GUTTER.
EXCEPTION: AC PAVEMENT EDGE SHALL BE FLUSH TO 1/4 INCH ABOVE THE LIP OF GUTTER WHEN LOCATED ADJACENT TO A PEDESTRIAN RAMP OR WITHIN AN ACCESSIBLE ROUTE.

12. PROPOSED SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

ADD NOTE

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
△ 1	NOTE 11	6/12	CURB RAMP GENERAL NOTES	CARSON CITY
				DRAWING NO. C-5.3.1
				DATE 7/2009
APPROVED BY: 		7/09		



NO NEED TO SHOW MINIMUM SLOPES BECAUSE ADA ONLY SPECIFIES MAXIMUM

SHOW 5' X 5' LANDING AREA AND LABEL "2% MAX" SLOPE IN ANY DIRECTION

SHOW MAXIMUM COUNTER SLOPE

SHOW ALL SLOPES IN % FORMAT AND LABEL "MAX" FOR CONSISTENCY (SEE ALL CIRCLED SLOPES)

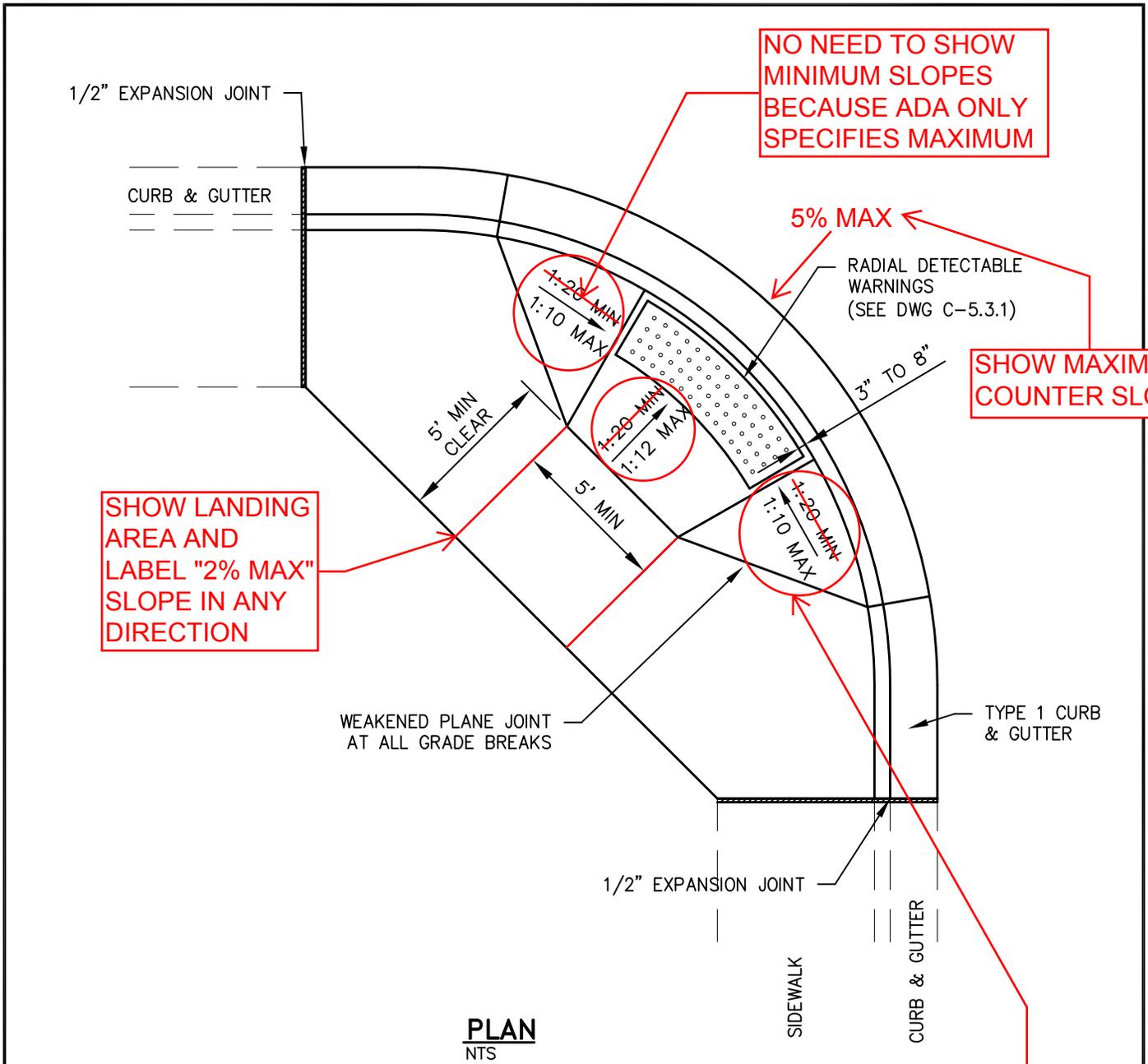
ADD A BOUNDARY SHOWING THE LIMITS OF PAY

PLAN
NTS

NOTE:

1. SEE "CURB RAMP GENERAL NOTES" DWG C-5.3.1 FOR FURTHER REQUIREMENTS.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION CARSON CITY
			PERPENDICULAR CURB RAMP DIRECTIONAL	DRAWING NO. C-5.3.2
				DATE 7/2009
APPROVED BY:		7/09		



NO NEED TO SHOW MINIMUM SLOPES BECAUSE ADA ONLY SPECIFIES MAXIMUM

5% MAX

RADIAL DETECTABLE WARNINGS (SEE DWG C-5.3.1)

SHOW MAXIMUM COUNTER SLOPE

SHOW LANDING AREA AND LABEL "2% MAX" SLOPE IN ANY DIRECTION

WEAKENED PLANE JOINT AT ALL GRADE BREAKS

TYPE 1 CURB & GUTTER

1/2" EXPANSION JOINT

SIDEWALK

CURB & GUTTER

PLAN
NTS

SHOW ALL SLOPES IN % FORMAT AND LABEL "MAX" FOR CONSISTENCY (SEE ALL CIRCLED SLOPES)

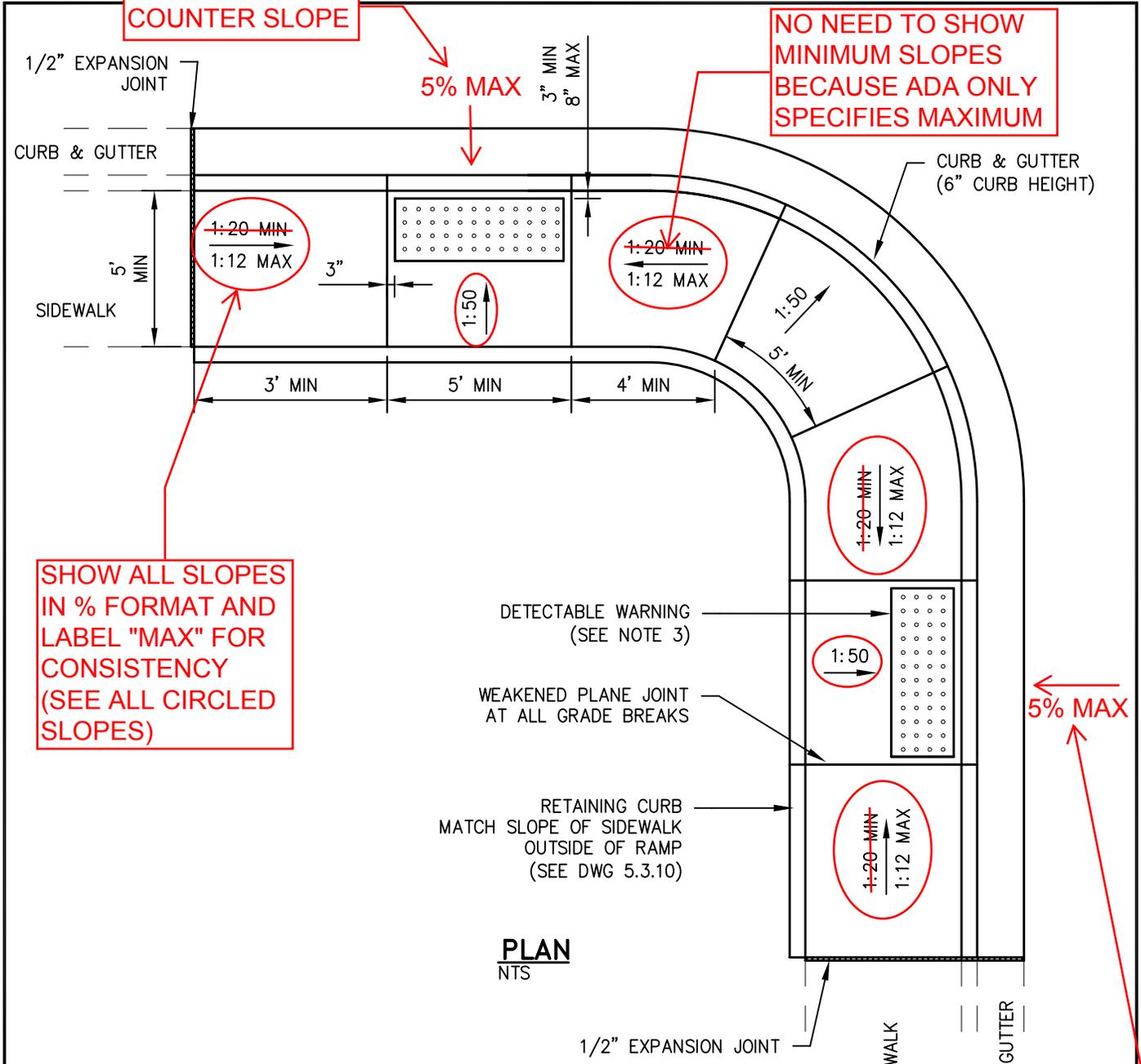
NOTES:

1. SEE "CURB RAMP GENERAL NOTES" DWG C-5.3.1 FOR FURTHER REQUIREMENTS.

CONSIDER SHOWING TWO DIRECTIONAL RAMPS INSTEAD OF A DIAGONAL RAMP

ADD A BOUNDARY SHOWING THE LIMITS OF PAY

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION CARSON CITY
			PERPENDICULAR CURB RAMP APEX	DRAWING NO. C-5.3.3
				DATE 7/2009
APPROVED BY:		7/09		



SHOW ALL SLOPES IN % FORMAT AND LABEL "MAX" FOR CONSISTENCY (SEE ALL CIRCLED SLOPES)

NO NEED TO SHOW MINIMUM SLOPES BECAUSE ADA ONLY SPECIFIES MAXIMUM

SHOW MAXIMUM COUNTER SLOPE

SHOW MAXIMUM COUNTER SLOPE

DETECTABLE WARNING (SEE NOTE 3)
WEAKENED PLANE JOINT AT ALL GRADE BREAKS
RETAINING CURB MATCH SLOPE OF SIDEWALK OUTSIDE OF RAMP (SEE DWG 5.3.10)

PLAN
NTS

ADD A BOUNDARY SHOWING THE LIMITS OF PAY

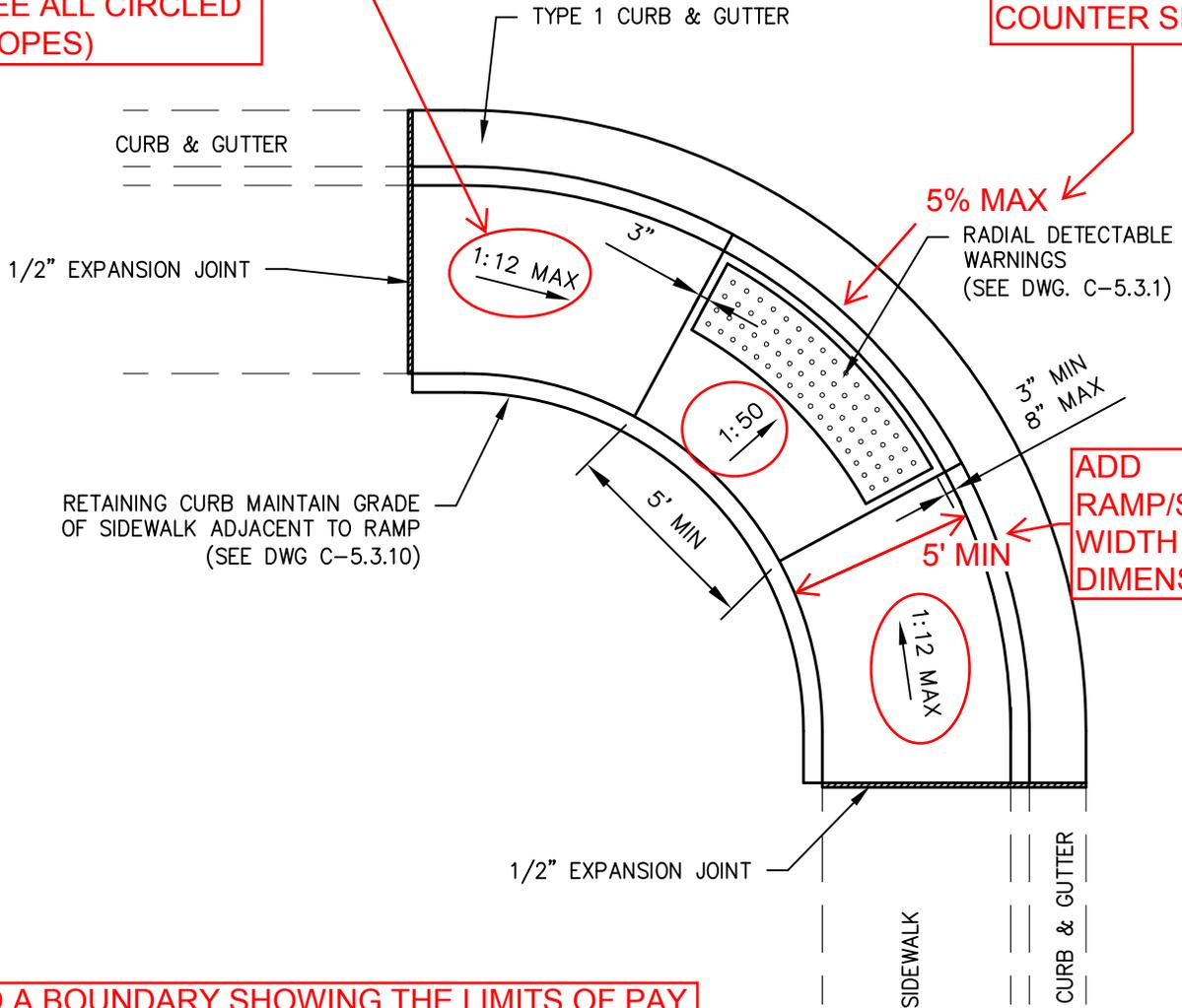
NOTES:

1. NOT FOR USE WITH OFFSET SIDEWALKS.
2. RETAINING CURBS ARE TO BE USED IN ALL CASES AND FINISH GRADE AT BACK OF SIDEWALK IS TO BE RAISED TO TOP OF RETAINING CURB ELEVATION.
3. DETECTABLE WARNINGS MAY BE LINEAR OR RADIAL OR A COMBINATION OF BOTH TO ACHIEVE A MAXIMUM OF 8 INCHES AND MINIMUM OF 3 INCHES CLEARANCE FROM BACK OF CURB.
4. SEE "CURB RAMP GENERAL NOTES" DWG C-5.3.1 FOR FURTHER REQUIREMENTS.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
			PARALLEL CURB RAMP DIRECTIONAL	CARSON CITY
				DRAWING NO. C-5.3.4
				DATE 7/2009
APPROVED BY:		7/09		

SHOW ALL SLOPES IN % FORMAT AND LABEL "MAX" FOR CONSISTENCY (SEE ALL CIRCLED SLOPES)

SHOW MAXIMUM COUNTER SLOPE



ADD A BOUNDARY SHOWING THE LIMITS OF PAY

PLAN
NTS

CONSIDER SHOWING TWO DIRECTIONAL RAMPS INSTEAD OF A DIAGONAL RAMP

NOTES:

1. NOT FOR USE WITH OFFSET SIDEWALKS.
2. RETAINING CURBS ARE TO BE USED IN ALL CASES AND FINISH GRADE AT BACK OF SIDEWALK IS TO BE RAISED TO TOP OF RETAINING CURB ELEVATION.
3. SEE "CURB RAMP GENERAL NOTES" DWG C-5.3.1 FOR FURTHER REQUIREMENTS.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
			PARALLEL CURB RAMP APEX	CARSON CITY
				DRAWING NO. C-5.3.5
				DATE 7/2009
APPROVED BY: 		7/09		

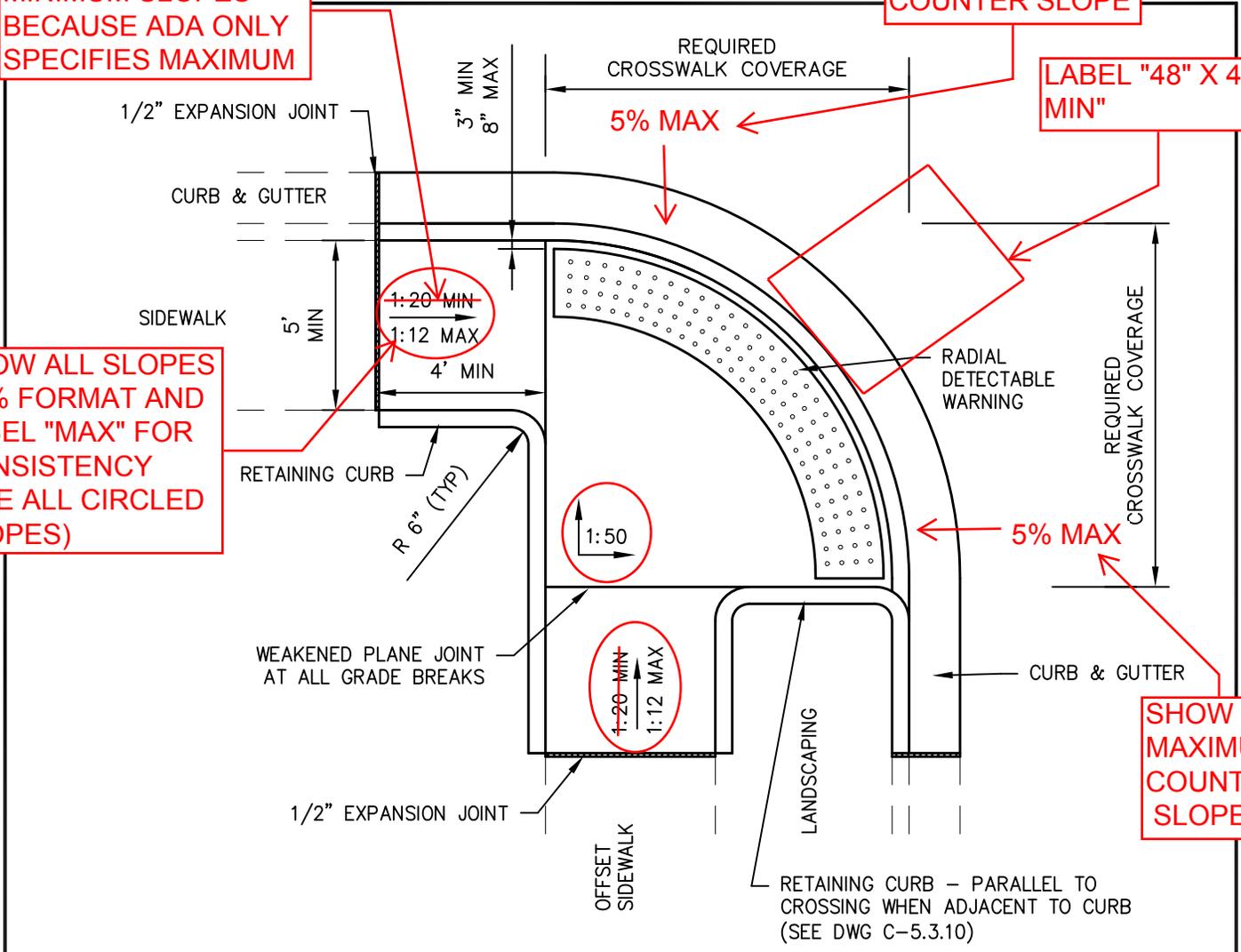
NO NEED TO SHOW MINIMUM SLOPES BECAUSE ADA ONLY SPECIFIES MAXIMUM

SHOW MAXIMUM COUNTER SLOPE

LABEL "48" X 48" MIN"

SHOW ALL SLOPES IN % FORMAT AND LABEL "MAX" FOR CONSISTENCY (SEE ALL CIRCLED SLOPES)

SHOW MAXIMUM COUNTER SLOPE



PLAN
NTS

ADD A BOUNDARY SHOWING THE LIMITS OF PAY

NOTES:

1. RETAINING CURBS ARE TO BE USED IN ALL CASES AND FINISH GRADE AT BACK OF SIDEWALK IS TO BE RAISED TO TOP OF RETAINING CURB ELEVATION.
2. SEE "CURB RAMP GENERAL NOTES" DWG C-5.3.1 FOR FURTHER REQUIREMENTS.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
			RADIAL CURB RAMP	CARSON CITY
				DRAWING NO. C-5.3.6
				DATE 7/2009
APPROVED BY: 				

SHOW MAXIMUM COUNTER SLOPE

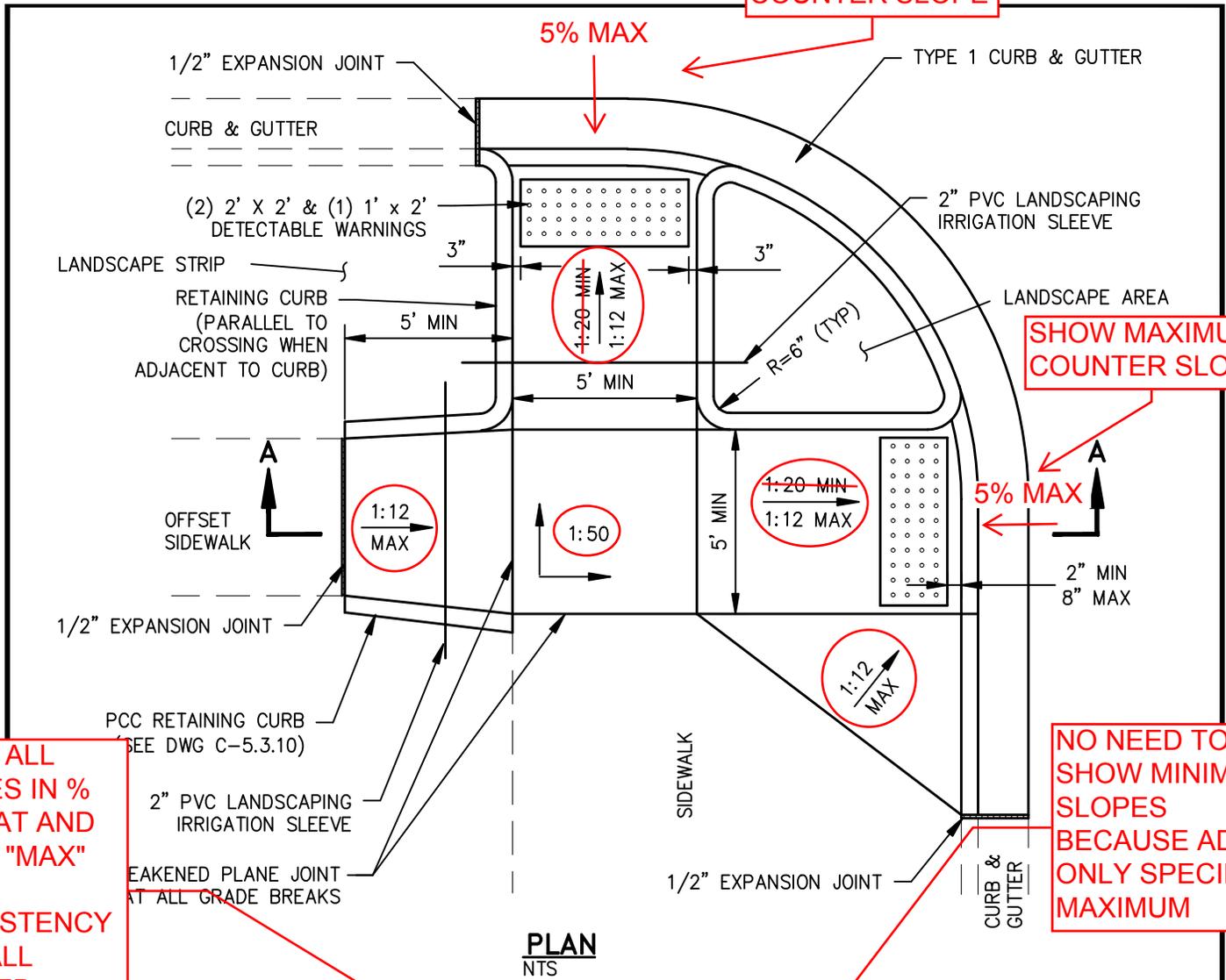
5% MAX

SHOW MAXIMUM COUNTER SLOPE

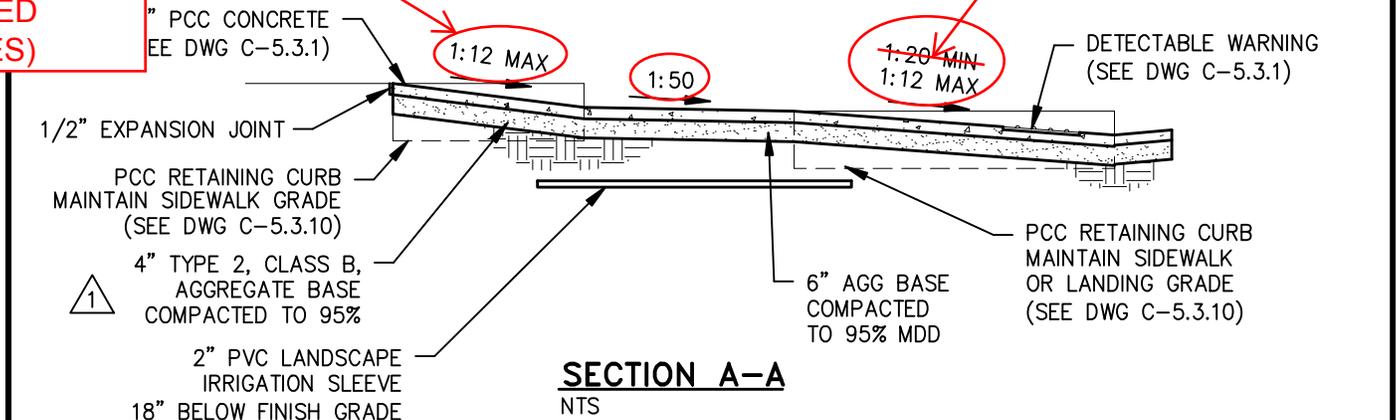
5% MAX

NO NEED TO SHOW MINIMUM SLOPES BECAUSE ADA ONLY SPECIFIES MAXIMUM

SHOW ALL SLOPES IN % FORMAT AND LABEL "MAX" FOR CONSISTENCY (SEE ALL CIRCLED SLOPES)



PLAN
NTS



SECTION A-A
NTS

NOTES:

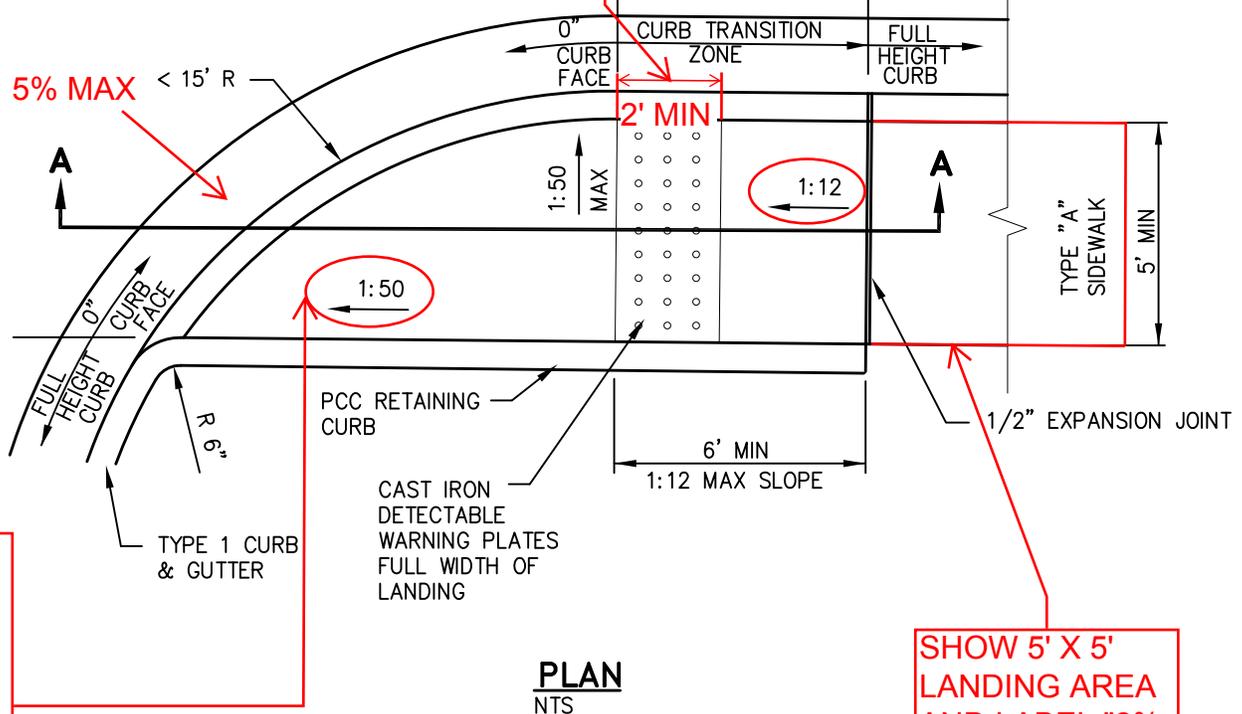
ADD A BOUNDARY SHOWING THE LIMITS OF PAY

1. RETAINING CURBS ARE TO BE USED IN ALL CASES AND FINISH GRADE AT BACK OF SIDEWALK IS TO BE RAISED TO TOP OF RETAINING CURB ELEVATION.
2. SEE "CURB RAMP GENERAL NOTES" DWG C-5.3.1 FOR FURTHER REQUIREMENTS.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
1	4" AGG BASE	7/12	LINEAR CURB RAMP OFFSET	CARSON CITY
				DRAWING NO.
				C-5.3.7
APPROVED BY:				DATE
7/09				7/2009

SHOW MAXIMUM COUNTER SLOPE

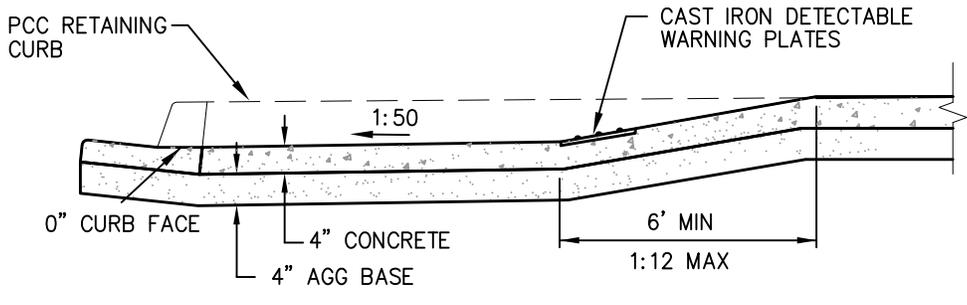
ADD DETECTABLE WARNING DIMENSION



SHOW ALL SLOPES IN % FORMAT AND LABEL "MAX" FOR CONSISTENCY (SEE ALL CIRCLED SLOPES)

SHOW 5' X 5' LANDING AREA AND LABEL "2% MAX" SLOPE IN ANY DIRECTION

PLAN
NTS



SECTION A-A
NTS

ADD A BOUNDARY SHOWING THE LIMITS OF PAY

NOTES:

1. LINEAR SINGLE TRANSITION CURB RAMP TO BE USED ONLY AT RETURNS HAVING LESS THAN A 15 FOOT RADIUS.
2. NOT FOR USE WITH OFFSET SIDEWALKS.
3. RETAINING CURBS ARE TO BE USED IN ALL CASES AND EXISTING GRADE AT BACK OF SIDEWALK IS TO BE RAISED TO TOP OF RETAINING CURB ELEVATION.
4. SEE "CURB RAMP GENERAL NOTES" DWG C-5.3.1 FOR FURTHER REQUIREMENTS.

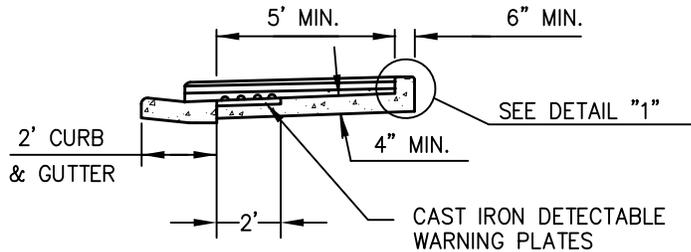
NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
			LINEAR CURB RAMP SINGLE ADJACENT	CARSON CITY
				DRAWING NO. C-5.3.8
				DATE
				7/2009
APPROVED BY:				

SHOW ALL SLOPES IN % FORMAT AND LABEL "MAX" FOR CONSISTENCY (SEE ALL CIRCLED SLOPES)

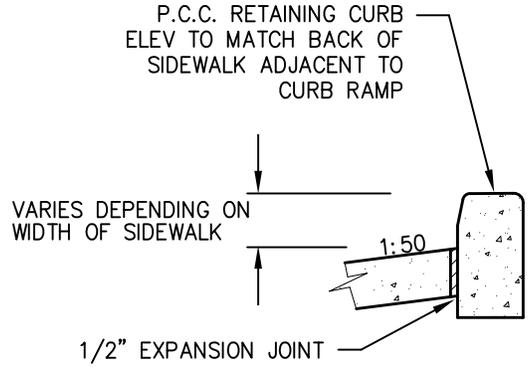
SHOW 5' X 5' LANDING AREA AND LABEL "2% MAX" SLOPE IN ANY DIRECTION

SHOW 5' X 5' LANDING AREA AND LABEL "2% MAX" SLOPE IN ANY DIRECTION

SHOW MAXIMUM COUNTER SLOPE



SECTION A-A
NTS



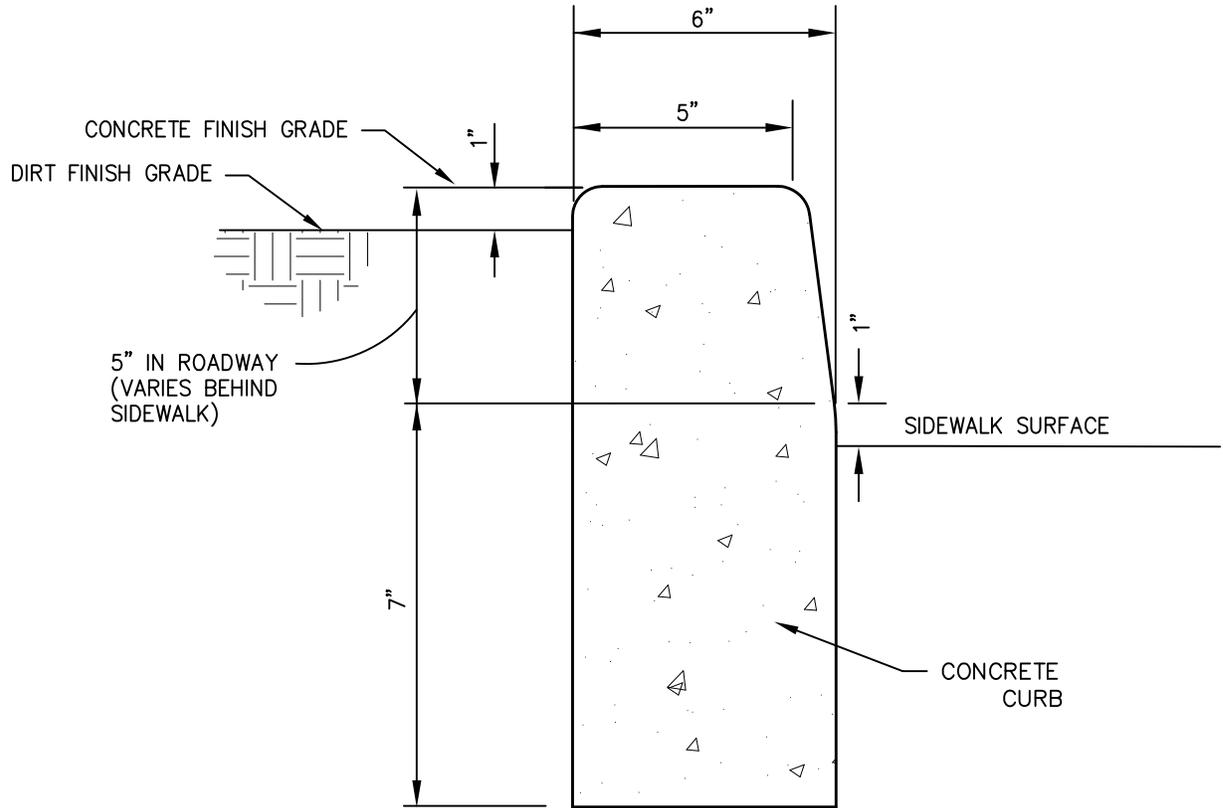
DETAIL 1
NTS

ADD A BOUNDARY SHOWING THE LIMITS OF PAY

NOTES:

1. RETAINING CURB TO BE USED IN ALL CASES. MAINTAIN SLOPE OF SIDEWALK OUTSIDE OF CURB RAMP.
2. SEE "CURB RAMP GENERAL NOTES" DWG C-5.3.1 FOR FURTHER REQUIREMENTS.

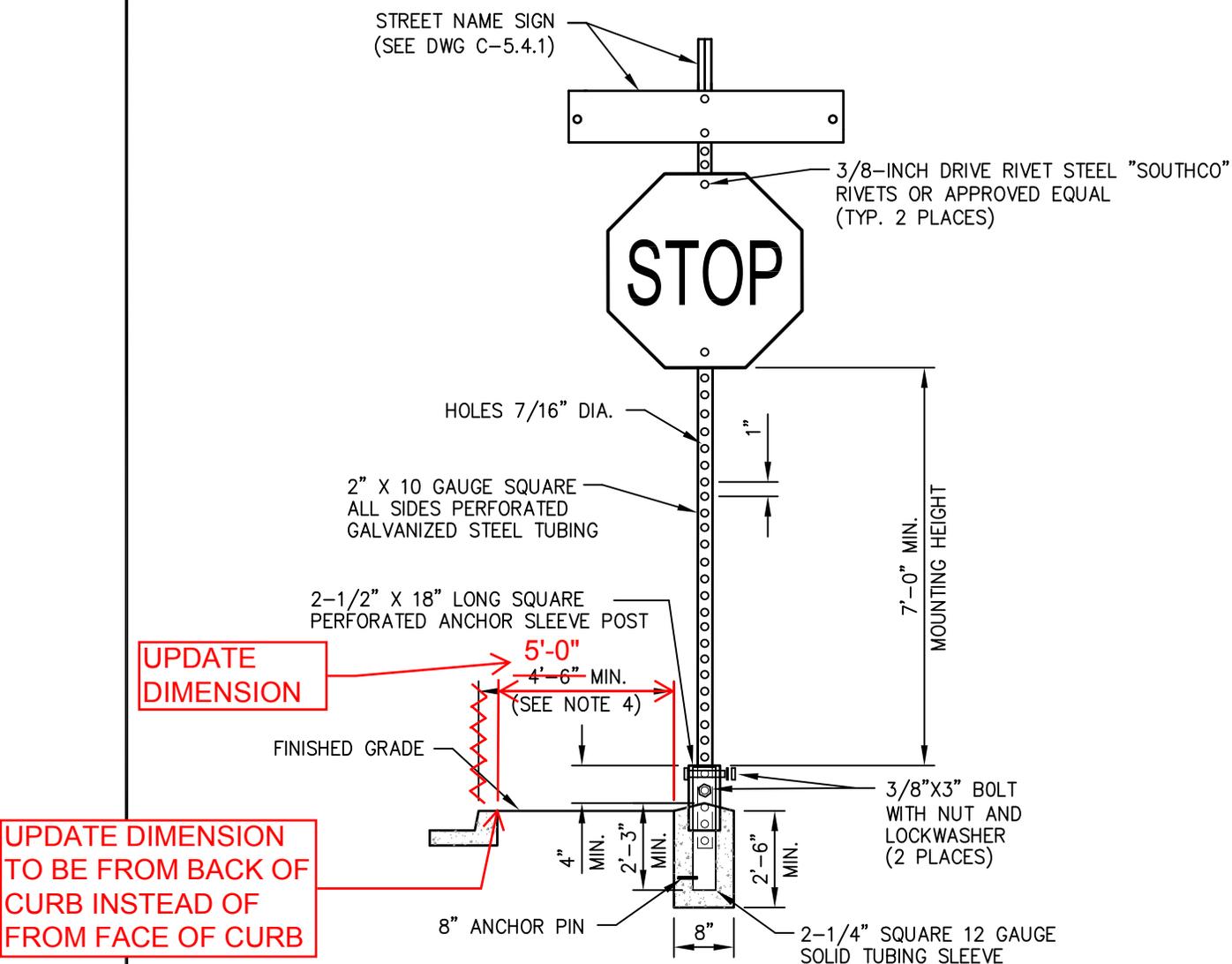
NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION CARSON CITY
			MID BLOCK CURB RAMP	DRAWING NO. C-5.3.9
				DATE 7/2009
APPROVED BY:		7/09		



NOTES:

1. NO CONCRETE SHALL BE PLACED UNTIL FORMS AND SUBGRADE ARE INSPECTED BY CARSON CITY PUBLIC WORKS
2. ALL CONCRETE EDGING AND JOINTING SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. DETAIL 5.1.1 AND CONFORM TO SEC. 312.09 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC).

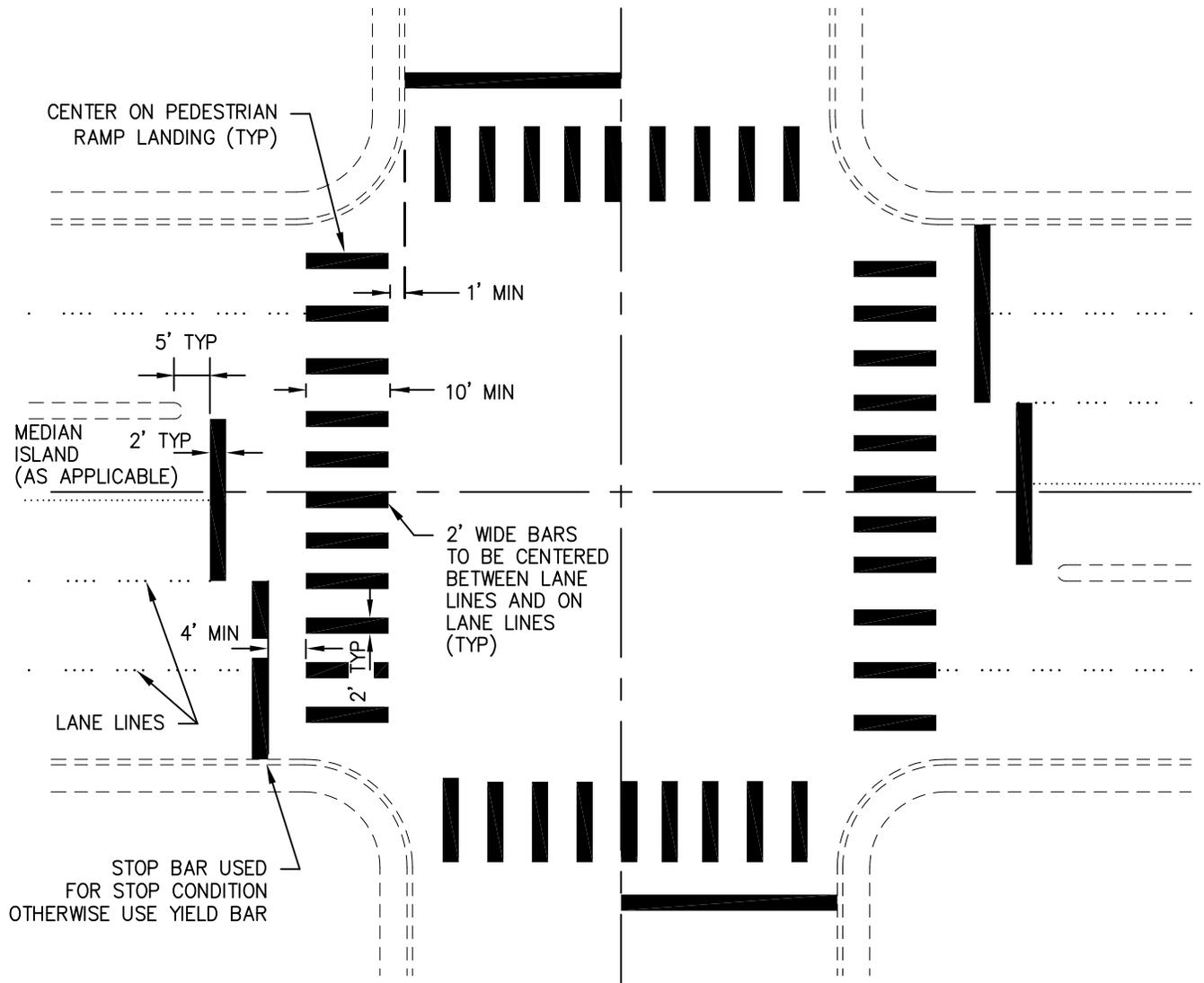
NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
			P.C.C. RETAINING CURB	CARSON CITY
				DRAWING NO.
				C-5.3.10
				DATE
APPROVED BY: 		7/09		7/2009



NOTES:

1. SIGN MATERIALS, CONSTRUCTION AND PLACEMENT SHALL BE IN CONFORMANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
2. STREET NAME SIGN SHALL BE AS SPECIFIED IN STANDARD DETAIL DRAWING NO. C-5.4.1
3. ON STREETS WHERE CURBING DOES NOT EXIST, SET SIGN 6 FEET MINIMUM FROM PAVEMENT EDGE.
4. CONCRETE BASE SHALL BE LOCATED AT BACK OF SIDEWALK, UNLESS OTHERWISE DIRECTED BY THE CITY ENGINEER.
5. ALL REGULATORY SIGNS SHALL USE ASTM TYPE 3 OR 4 INTENSITY SHEETING.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
			TRAFFIC SIGN INSTALLATION	CARSON CITY
				DRAWING NO. C-5.4.2
				DATE 7/2009
APPROVED BY: 		7/09		



TYPICAL CROSSWALK STRIPING DETAIL

ADD NOTE

NOTES:

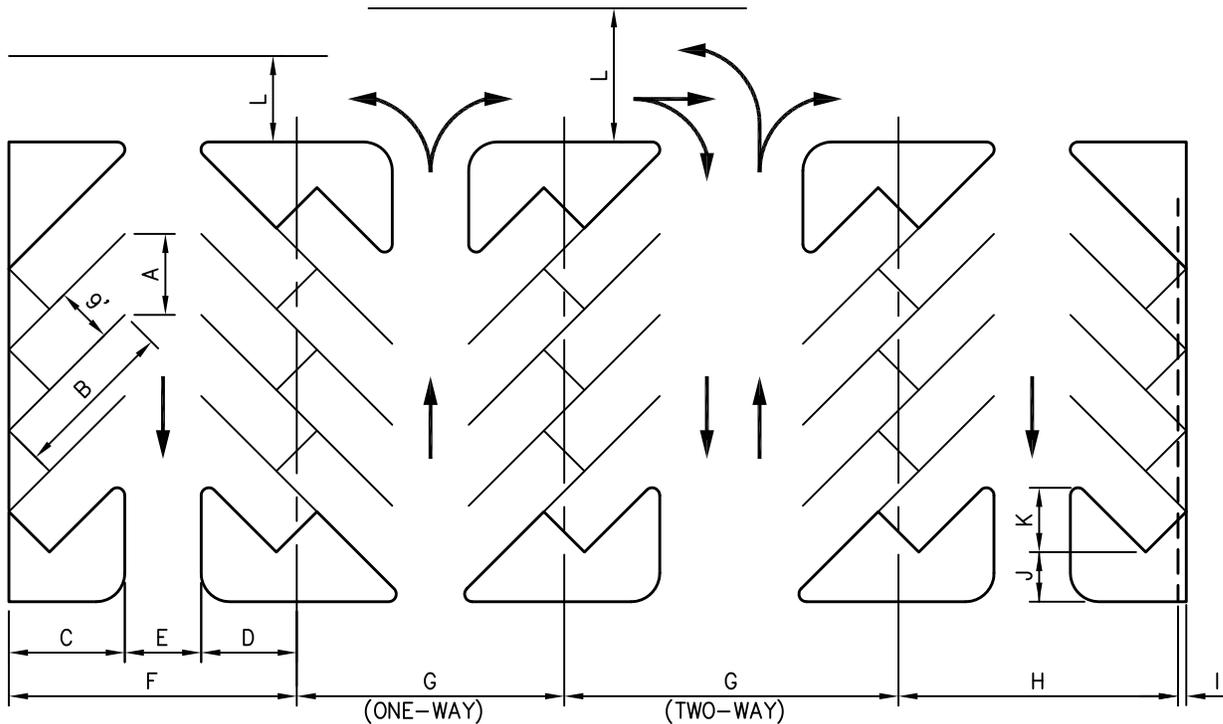
1. ALL STRIPING SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) FOR STREETS AND HIGHWAYS, CURRENT EDITION.
2. INLAY TAPE STRIPING AND/OR PAVEMENT LEGENDS SHALL BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS.
3. CROSSWALK MARKINGS SHALL BE INSTALLED AT ALL TRAFFIC SIGNAL LOCATIONS AND AT OTHER LOCATIONS AS DIRECTED BY THE CARSON CITY ENGINEER OR PUBLIC WORKS DIRECTOR.

4. Where pedestrian access routes are contained within pedestrian street crossings, the grade (running slope) of the pedestrian access route shall be 5% maximum.

Where pedestrian access routes are contained within pedestrian street crossings without yield or stop control, the cross slope of the pedestrian access route shall be 5% maximum. Where pedestrian access routes are contained within midblock pedestrian street crossings, the cross slope of the pedestrian access route shall be permitted to equal the street or highway grade.

NO.	
APPROVED BY: 	DATE 7/2009

ADD SEPERATE DETAIL SHOWING REQUIREMENTS FOR ACCESSIBLE PARKING, ACCESSIBLE VAN PARKING, STRIPING, SIGNING, AND ACCESS AISLES



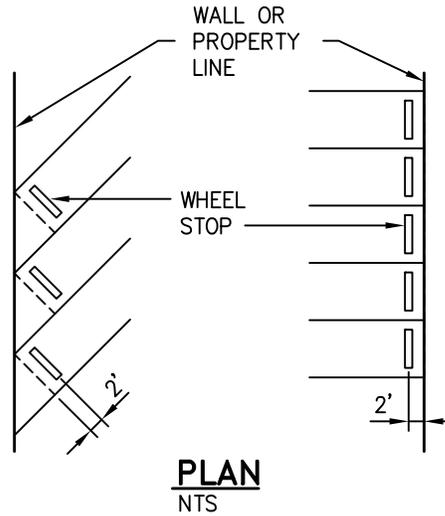
DIMENSION ITEM	SYMBOL	PARKING ANGLE			
		45°	60°	75°	90°
STALL WIDTH, PARALLEL	A	12.7	10.4	9.3	9.0
STALL LENGTH, OF LINE	B	25.0	22.0	20.0	18.5
STALL DEPTH TO WALL	C	17.5	19.0	19.5	18.5
STALL DEPTH TO INTERLOCK	D	15.3	17.5	18.8	18.5
ONE-WAY TRAFFIC					
AISLE WIDTH BETWEEN STALLS	E	12.0	16.0	23.0	26.0
MODULE, WALL TO INTERLOCK	F	44.8	52.5	61.3	63.0
MODULE, INTERLOCKING	G	42.6	51.0	61.0	63.0
MODULE, CURB TO INTERLOCK	H	42.8	50.2	58.8	60.5
TWO-WAY TRAFFIC					
AISLE WIDTH BETWEEN STALLS	E	20.0	20.0	23.0	26.0
MODULE, WALL TO INTERLOCK	F	52.8	56.5	61.3	63.0
MODULE, INTERLOCKING	G	50.6	55.0	61.0	63.0
MODULE, CURB TO INTERLOCK	H	50.8	54.2	58.8	60.5
BUMPER OVERHANG (TYPICAL)	I	2.0	2.3	2.5	2.5
OFFSET	J	6.3*	2.7	0.5	0.0
SETBACK	K	11.0	8.3	5.0	0.0
CROSS-AISLE, ONE WAY	L	14.0*	14.0	14.0	14.0
CROSS AISLE, TWO WAY	L	24.0*	24.0	24.0	24.0

NOTES

1. PARKING LOTS OF MORE THAN 20 SPACES MAY DESIGNATE UP TO 15% OF THE TOTAL REQUIRED OFF-STREET PARKING AS COMPACT CAR SPACES, EACH HAVING A MINIMUM LENGTH OF 16 FEET AND MINIMUM WIDTH OF 8 FEET AND CLEARLY MARKED "COMPACT PARKING ONLY".
 2. PARALLEL PARKING STALLS SHALL BE 9 FEET WIDE x 22 FEET LONG (MINIMUM).
- * MINIMUM - ANY PARKING CONFIGURATION (0-45 DEGREES).

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION CARSON CITY
PARKING LOT REQUIREMENTS				DRAWING NO. C-5.5.1
				DATE 7/2009
				APPROVED BY: 7/09

ADD SEPERATE DETAIL SHOWING REQUIREMENTS FOR ACCESSIBLE PARKING, ACCESSIBLE VAN PARKING, STRIPING, SIGNING, AND ACCESS AISLES



TYPICAL PAVEMENT SECTION

1. PARKING LOTS WILL BE CONSTRUCTED WITH A MINIMUM OF 2.5 INCHES OF A.C. SURFACE ON 6 INCHES OF TYPE 2 CLASS B AGGREGATE BASE (BOTH COMPACTED TO 95% MIN.)

WHEEL STOPS

1. WHEEL STOPS WILL BE 2 FEET (MIN.) FROM PROPERTY LINE OR APPURTENANCES.
2. WHEEL STOP WILL BE SECURED WITH 0.5 INCH REBAR DRIVEN 12 INCHES (MIN.) INTO SURFACE OR WITH AN APPROVED EPOXY HAVING A SETTING TIME OF 4-HOUR (MAX.) AT 77 DEGREES FAHRENHEIT.
3. WHEEL STOPS WILL BE WHITE OR SAFETY YELLOW WITH 0.25 CANDLE POWER REFLECTIVITY.
4. WHEEL STOP DIMENSIONS WILL BE 4 INCHES TO 7 INCHES HIGH X 4 FEET (MIN.) LONG X 6 INCHES (MIN.) WIDE. WHEEL STOP LOCATION SHALL SECURE VEHICLE TIRES.
5. MINIMUM WALL THICKNESS FOR METAL STOPS WILL BE 0.25 INCHES, FOR POLYETHYLENE OR FIBERGLASS WHEEL STOPS - 0.75 INCHES.
6. WOOD WHEEL STOPS WILL BE REDWOOD #2 OR BETTER.
7. CONCRETE WHEEL STOPS WILL HAVE A MINIMUM TENSILE STRENGTH OF 2000 P.S.I. (ASTM D-746).
8. IMPACT BRITTLE TEMPERATURE SHALL BE -75 DEGREES CELSIUS. (ASTM D-746).
9. ELONGATION SHALL BE LIMITED TO 35 PERCENT AT 73 DEGREES FAHRENHEIT (ASTM D638).

STRIPING

1. PARKING LOT STRIPING SHALL BE WHITE WITH A MINIMUM WIDTH OF 4 INCHES. PAINT SHALL BE SPECIFIED "TRAFFIC STRIPING PAINT" OR HAVE MANUFACTURER'S CERTIFICATION OF SUITABLE APPLICATION ON ASPHALTIC OR CONCRETE SURFACES.

LIGHTING

1. APPLICATION LEVEL WILL BE 1.0 FOOT CANDLES (MIN.) WITH A UNIFORMITY RATIO (AVERAGE ILLUMINATION) NOT EXCEEDING 6:1 AND AS APPROVED BY THE PUBLIC WORKS DEPARTMENT DEPENDING ON PEDESTRIAN VOLUMES.
2. LIGHT FIXTURES SHALL BE FULL CUT-OFF FIXTURES AS DEFINED BY THE ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IESNA) UNLESS OTHERWISE APPROVED BY THE CARSON CITY ENGINEER OR PUBLIC WORKS DIRECTOR.
3. LIGHT POLES SHALL BE LOCATED TO ELIMINATE INTERFERENCE WITH VEHICULAR OR PEDESTRIAN TRAFFIC (AT THE END OF PARKING ROWS WHEN PRACTICAL) AND AS APPROVED BY THE PUBLIC WORKS DEPARTMENT. POLES SHALL NOT BE LOCATED NEXT TO TREES.
4. MOUNTING POLES WILL COMPLY WITH THE SAME SPECIFICATIONS PRESCRIBED FOR URBAN COLLECTOR STREET USE.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
			PARKING LOT REQUIREMENTS	CARSON CITY
				DRAWING NO. C-5.5.2
				DATE 7/2009
APPROVED BY: 		7/09		

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