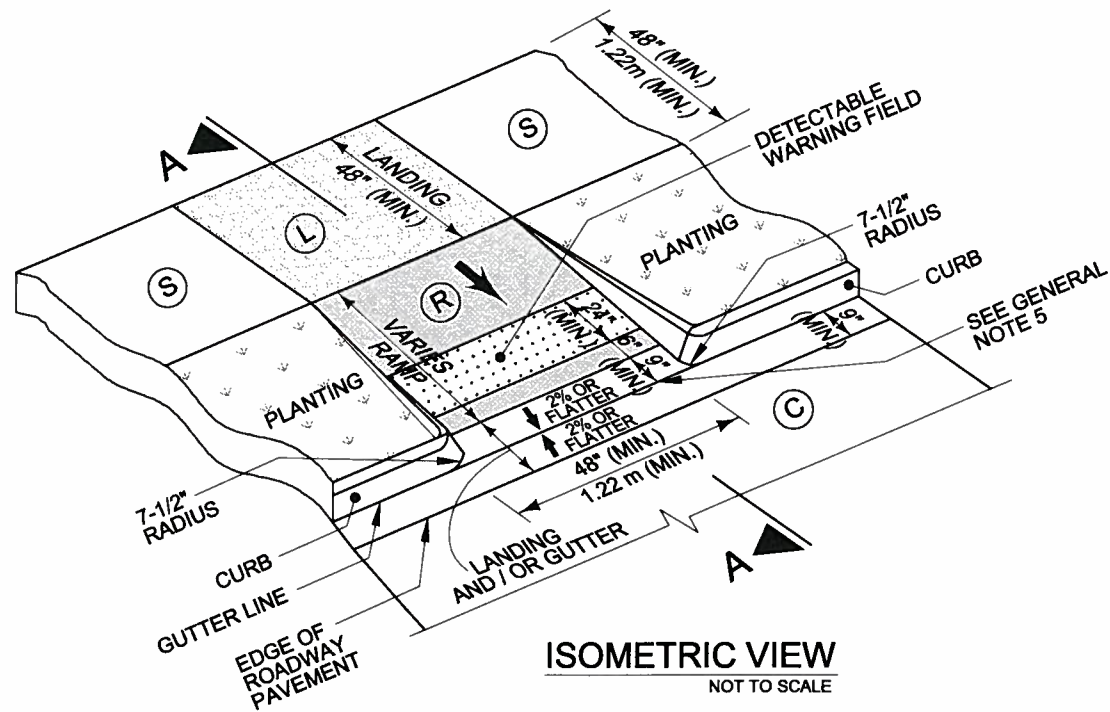
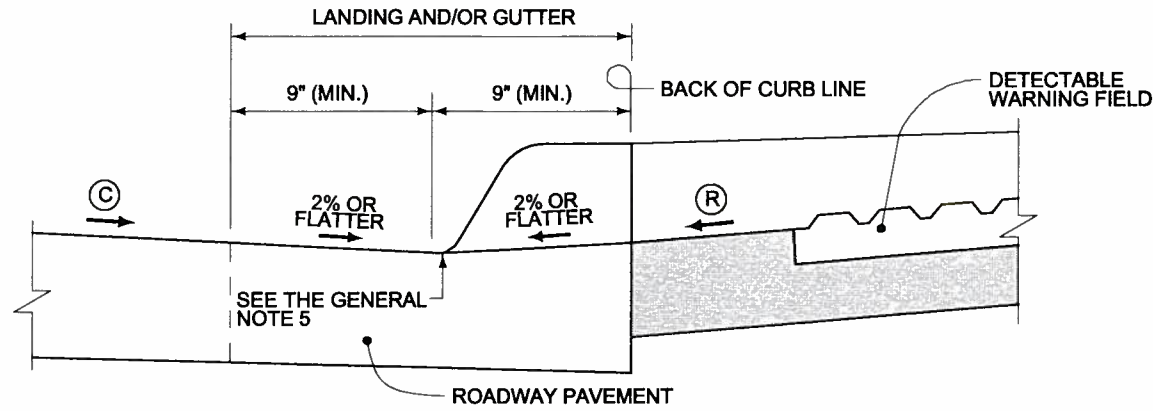


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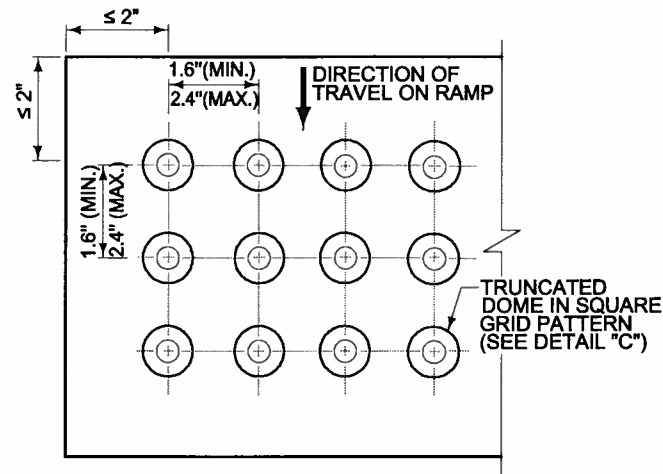
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SEP. 09	ORIGINAL	JMO			
JUN. 12	GENERAL REVISION	JMO			



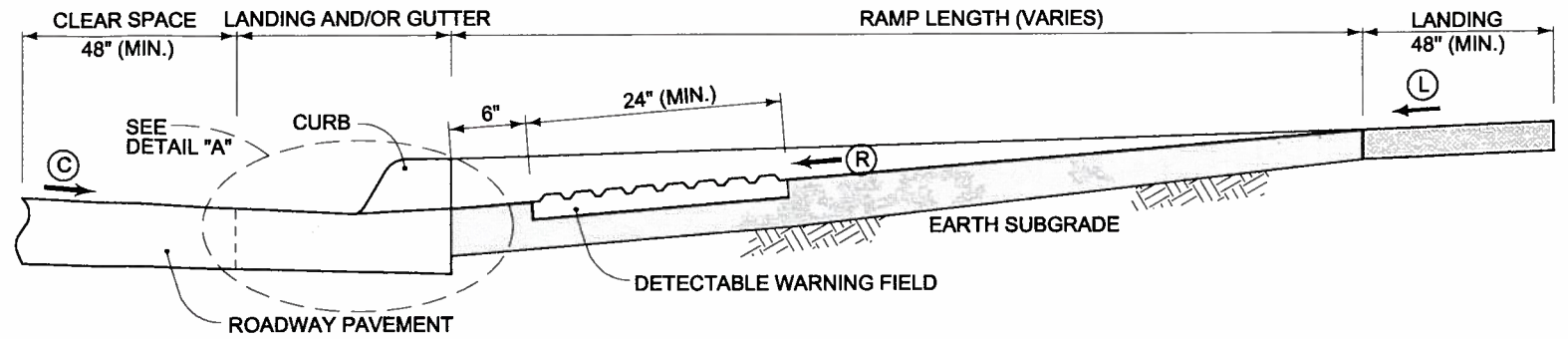
**ISOMETRIC VIEW**  
NOT TO SCALE



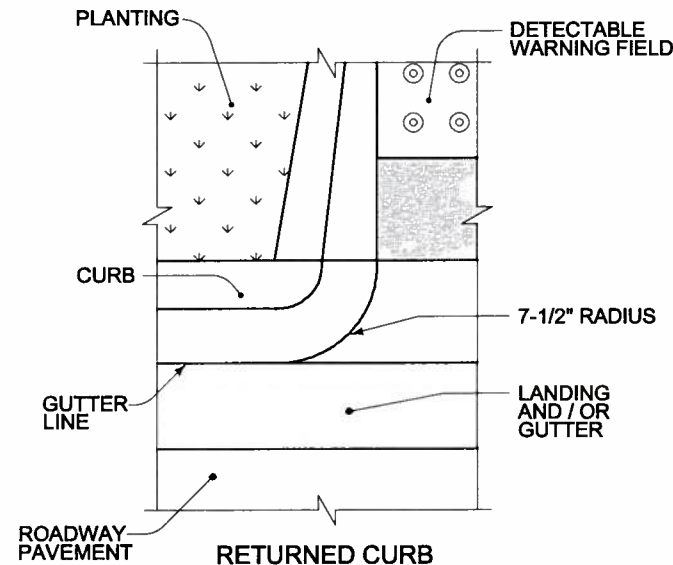
**DETAIL "A"**  
NOT TO SCALE



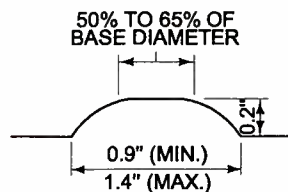
**DETECTABLE WARNING FIELD DETAIL**  
**PLAN VIEW**  
NOT TO SCALE



**SECTION A-A**  
TYPICAL SELECTION THROUGH RAMP RUN AND LANDINGS WITH UPPER LANDING AT NORMAL SIDEWALK ELEVATION



**DETAIL "B"**  
NOT TO SCALE



**SECTION OF TRUNCATED DOME**  
**DETAIL "C"**  
NOT TO SCALE

**GENERAL NOTES:**

1. THE MAXIMUM CROSS SLOPES OF RAMPS MUST NOT EXCEED 2% IN ANY DIRECTION.
2. USE A COARSE BROOM FINISH RUNNING PERPENDICULAR TO THE SLOPE TO CREATE A SLIP RESISTANT SURFACE ON CONCRETE RAMP SURFACES, EXCLUSIVE OF THE DETECTABLE WARNING FIELDS.
3. CONSTRUCT CURB RAMP PERPENDICULAR TO THE CURB. AVOID SKEWING THE RAMP FACE.
4. CONSTRUCT RAMP TRANSITIONS BETWEEN WALKS, GUTTERS, OR STREET THAT ARE FLUSH AND FREE OF ABRUPT VERTICAL CHANGES NOT TO EXCEED 2.5 INCHES.
5. AT POINTS WHERE A CHANGE IN SLOPE OCCURS, THE ALGEBRAIC GRADE DIFFERENCE SHALL NOT EXCEED 11%.
6. LOCATE DRAINAGE INLETS AND MANHOLES OUTSIDE OF RAMP WALKING SURFACES OR LANDINGS.
7. LOCATE DETECTABLE WARNING FIELD 6 INCHES BEHIND BACK OF CURB.
8. WALKING SURFACE WITH DETECTABLE WARNING FIELD (TRUNCATED DOMES) SHALL BE A SUBSIDIARY OBLIGATION TO THE CONTRACTOR AND PAID UNDER SPECIFICATION 608.
9. ANY TYPE OF ADA RAMPS, INCLUDING LANDING, FOR WHEEL CHAIRS AND HANDICAPPED PERSONS WILL BE MEASURED BY THE SQUARE METER OF COMPLETED AND ACCEPTED RAMP SURFACE.
10. THE DIMENSIONS AND MATERIALS OF SIDEWALK SHALL BE IN CONFORMITY WITH THE DETAILS, LINES AND GRADES SHOWN ON THE CONTRACT PLANS OR AS ESTABLISHED BY THE ENGINEER.
11. THE RAMPS AND SIDEWALKS SHALL MEET THE REQUIREMENTS OF THE STANDARD SPECIFICATION 608-"SIDEWALKS".
12. THE DETECTABLE WARNING FIELD SHALL BE YELLOW IN COLOR TO PROVIDE HIGH VISIBILITY TO THE VISUALLY IMPAIRED.

SLOPE TABLE			
	DESCRIPTION	MAX. RUNNING SLOPE *	MAX. CROSS SLOPE **
(L)	LANDING	2% (1V:50H)	2% (1V:50H)
(R)	RAMP	8.33% (1V:12H)	2% (1V:50H)
(P)	PARALLEL RAMP	7.1% (1V:14H)	2% (1V:50H)
(C)	CLEAR SPACE	5% (1V:20H)	2% (1V:50H)
(S)	SIDEWALK	-----	2% (1V:50H)
(T)	TRANSVERSABLE SURFACE	10% (1V:10H)	-----

\* RUNNING SLOPE IS IN DIRECTION OF PEDESTRIAN TRAVEL.  
\*\* CROSS SLOPE IS PERPENDICULAR TO PEDESTRIAN TRAVEL.



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DATE: \_\_\_\_\_ ASSISTANT EXECUTIVE DIRECTOR FOR TRAFFIC AND TOLL ROADS

ADA RAMPS  
GENERAL NOTES AND TYPICAL DETAILS

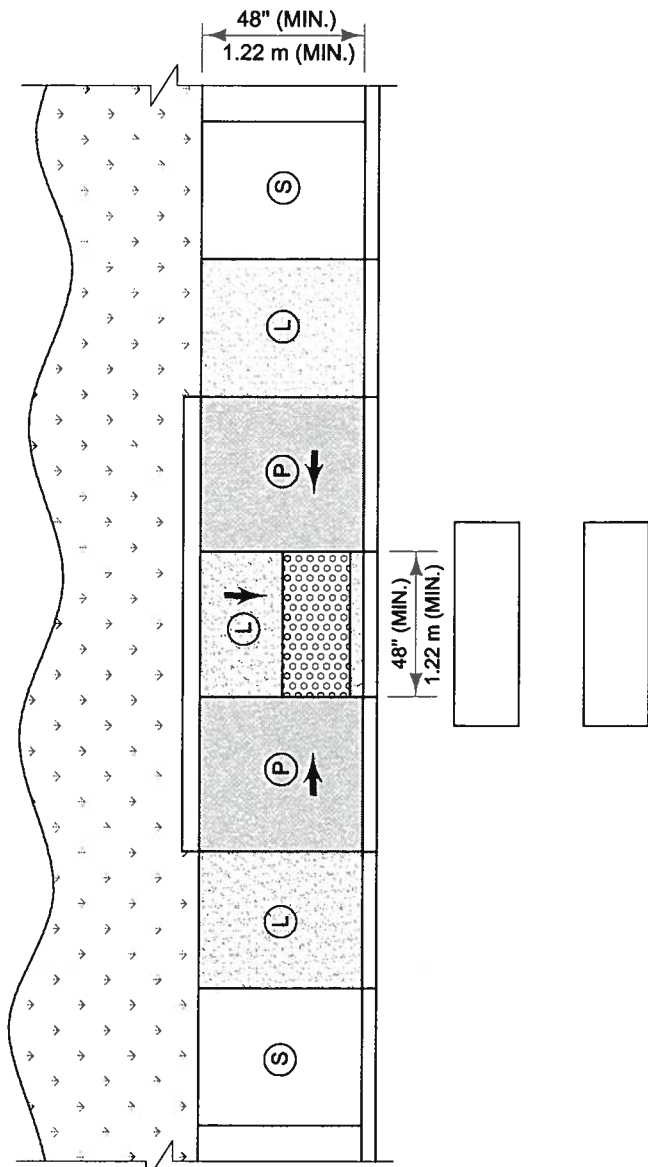
ADA-01  
JUNE 2012

ENGINEERING STANDARDS OFFICE  
DESIGN AREA

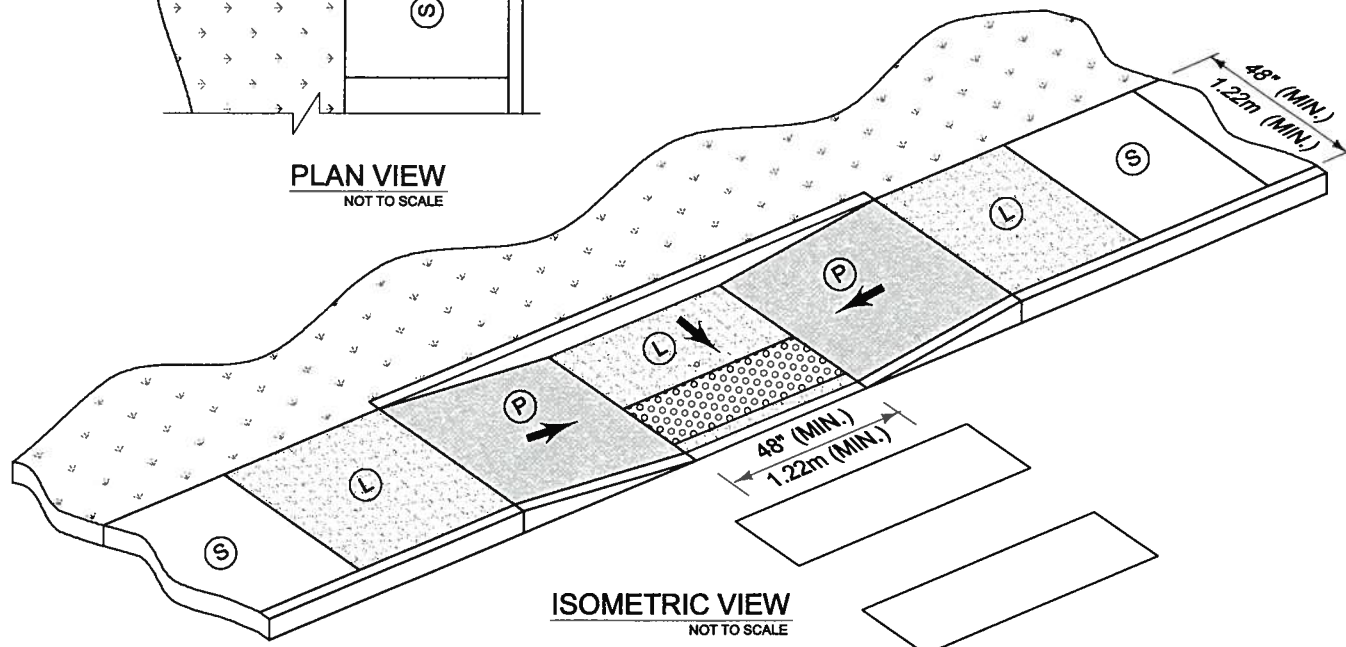


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JUN. 12	ORIGINAL	JMO			

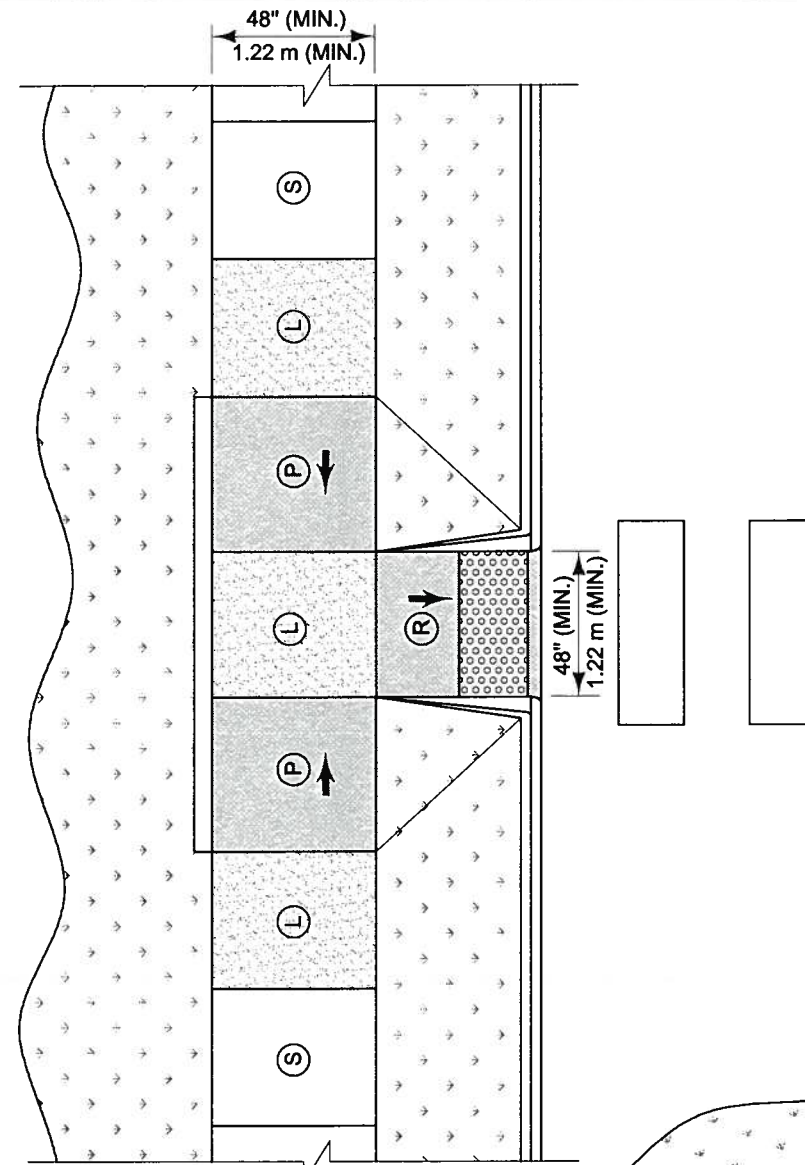


PLAN VIEW  
NOT TO SCALE

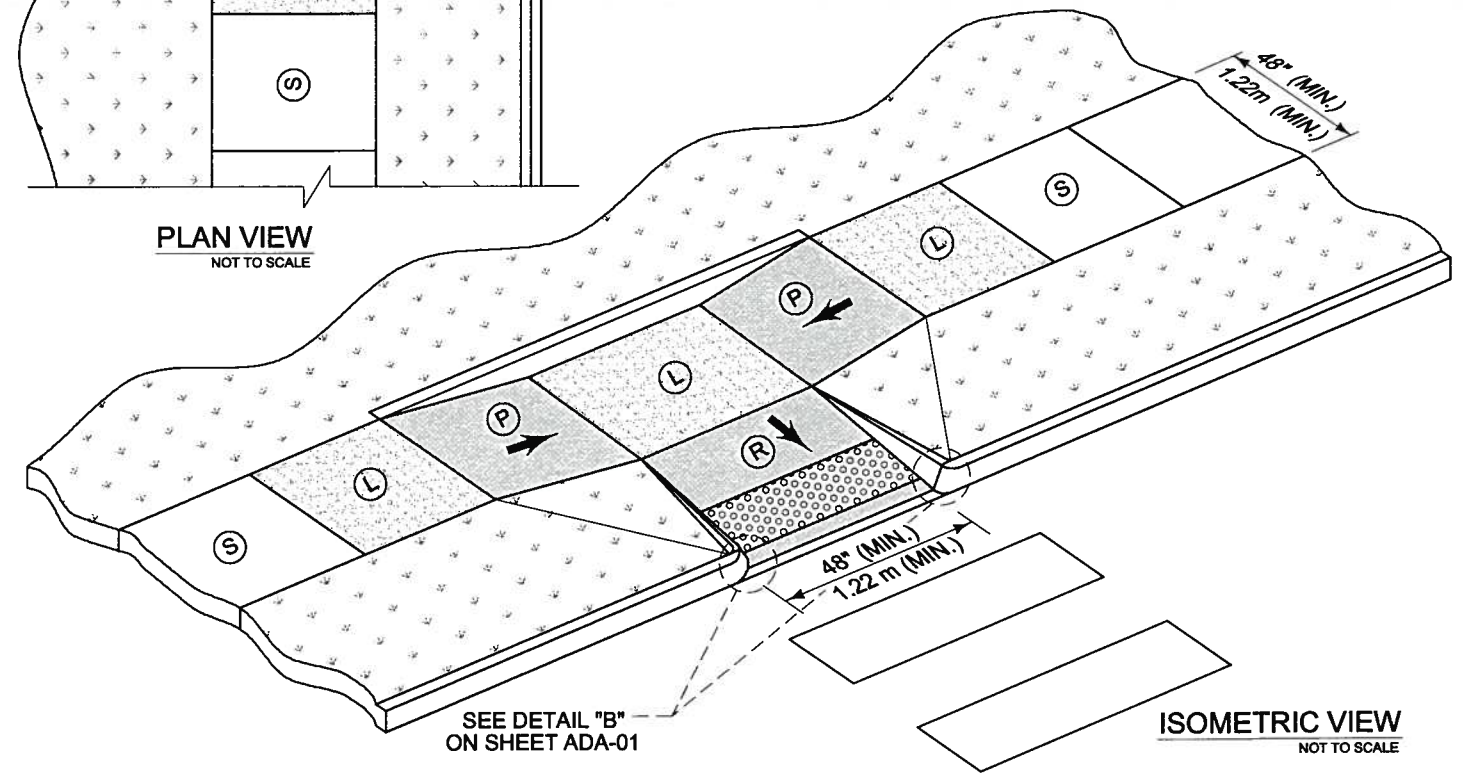


ISOMETRIC VIEW  
NOT TO SCALE

**CURB RAMP TYPE 3**  
(PARALLEL CURB RAMP)  
(FOR USE WITH RESTRICTED RIGHT-OF-WAY)



PLAN VIEW  
NOT TO SCALE



ISOMETRIC VIEW  
NOT TO SCALE

**CURB RAMP TYPE 4**  
(COMBINATION CURB RAMP)  
(FOR USE WITH RESTRICTED RIGHT-OF-WAY)

**LEGEND**

	CURB RAMP
	LANDING AREA (PROVIDE A 4' (MIN.) x 4' (MIN.) LANDING AREA AT ALL CURB RAMPS).
	DETECTABLE WARNING FIELD
	PLANTING
	PEDESTRIAN CROSSWALK

**NOTE:**

1. REFER TO SHEET ADA-01 FOR GENERAL NOTES, TYPICAL DETAILS AND SLOPE TABLE.



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DATE:

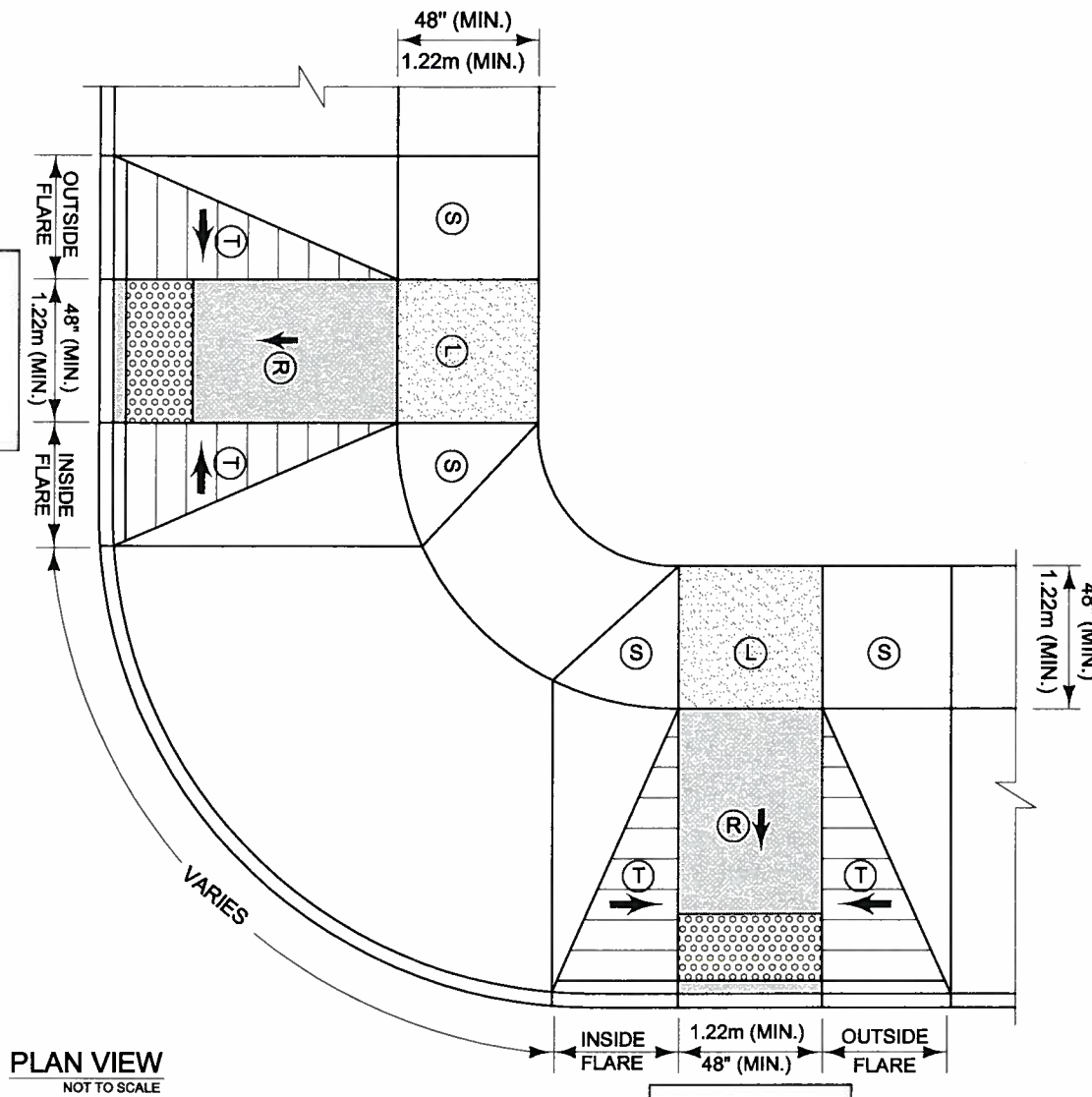
ASSISTANT EXECUTIVE DIRECTOR  
FOR TRAFFIC AND TOLL ROADS

**ADA RAMPS**  
PEDESTRIAN CURB RAMPS  
CURB RAMPS TYPE 3 AND 4

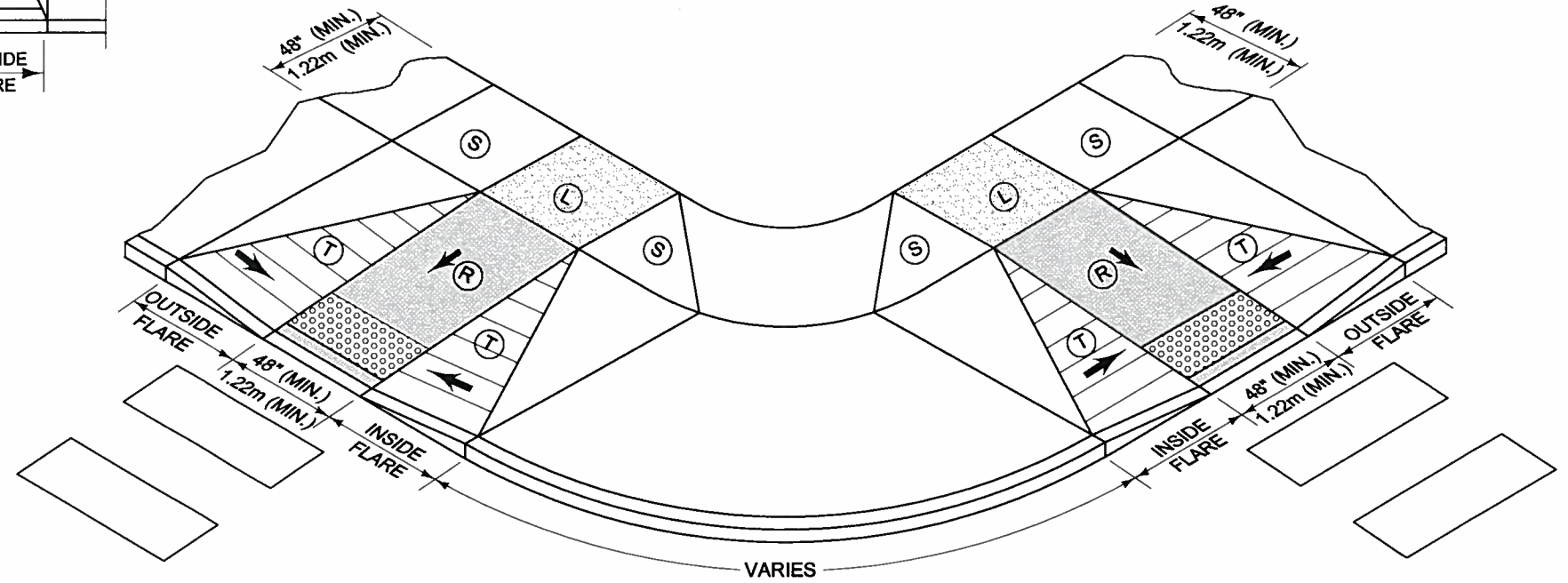
ADA-03

JUNE 2012

DATE	REVISION	BY	DATE	REVISION	BY
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PLAN VIEW  
NOT TO SCALE



ISOMETRIC VIEW  
NOT TO SCALE

NOTES:

1. THE RAMPS SHALL BE PERPENDICULAR TO RADIUS.
2. REFER TO SHEET ADA-01 FOR GENERAL NOTES, TYPICAL DETAILS AND SLOPE TABLE.

**CURB RAMP TYPE 5**  
(PERPENDICULAR CURB RAMP WITH FLARED CURBS AT A CORNER)

LEGEND

	CURB RAMP
	LANDING AREA (PROVIDE A 4' (MIN.) x 4' (MIN.) LANDING AREA AT ALL CURB RAMPS).
	DETECTABLE WARNING FIELD
	PLANTING
	PEDESTRIAN CROSSWALK



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STANDARD DRAWING APPROVED BY:

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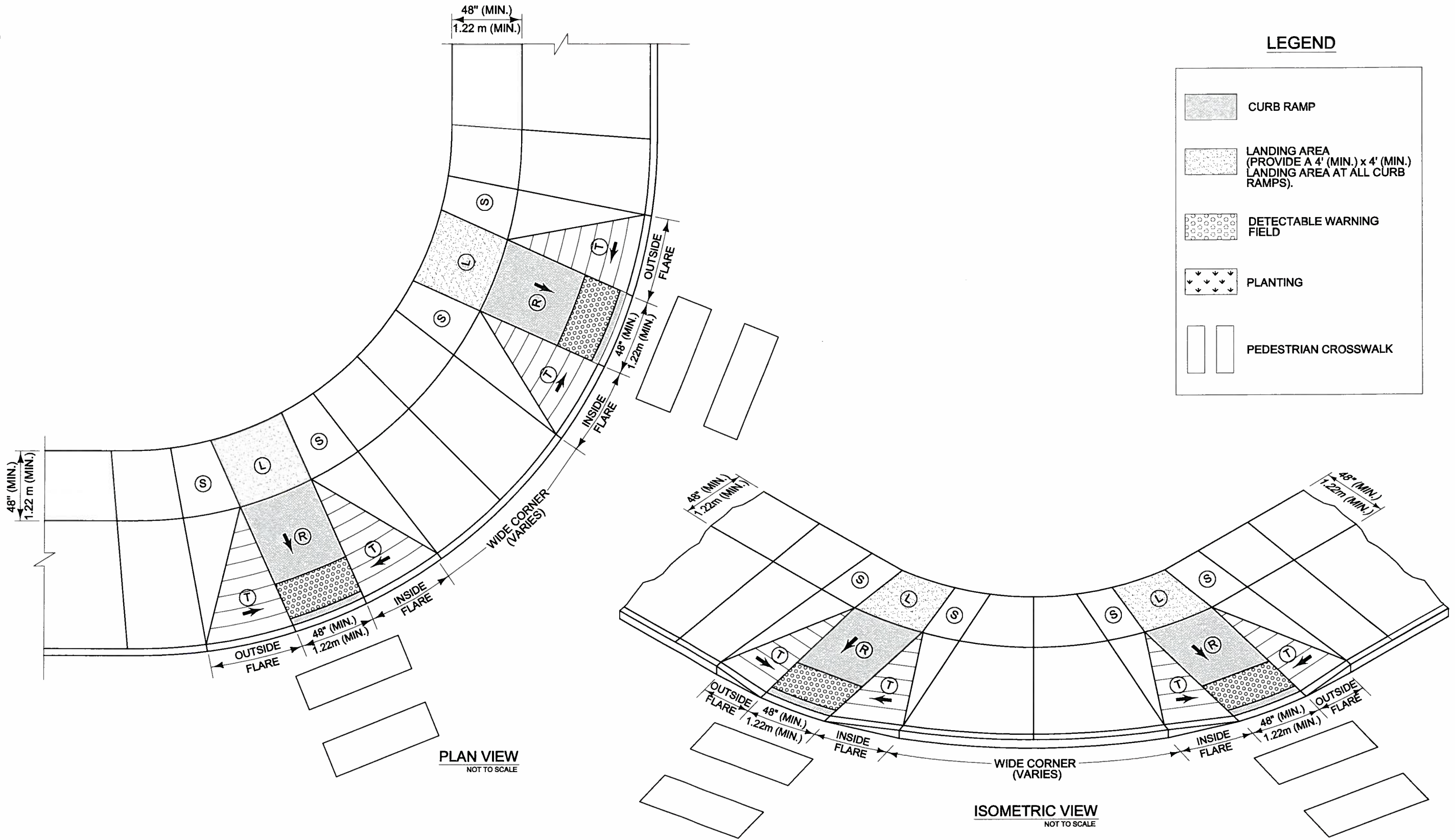
ADA RAMPS  
PEDESTRIAN CURB RAMPS  
CURB RAMP TYPE 5

ADA-04

JUNE 2012



DATE	REVISION	BY	DATE	REVISION	BY
JUN. 12	ORIGINAL	JMO			



**NOTE:**

1. REFER TO SHEET ADA-01 FOR GENERAL NOTES, TYPICAL DETAILS AND SLOPE TABLE.

**CURB RAMP TYPE 7**

(PERPENDICULAR CURB RAMPS WITH FLARED CURBS AT A WIDE CORNER)



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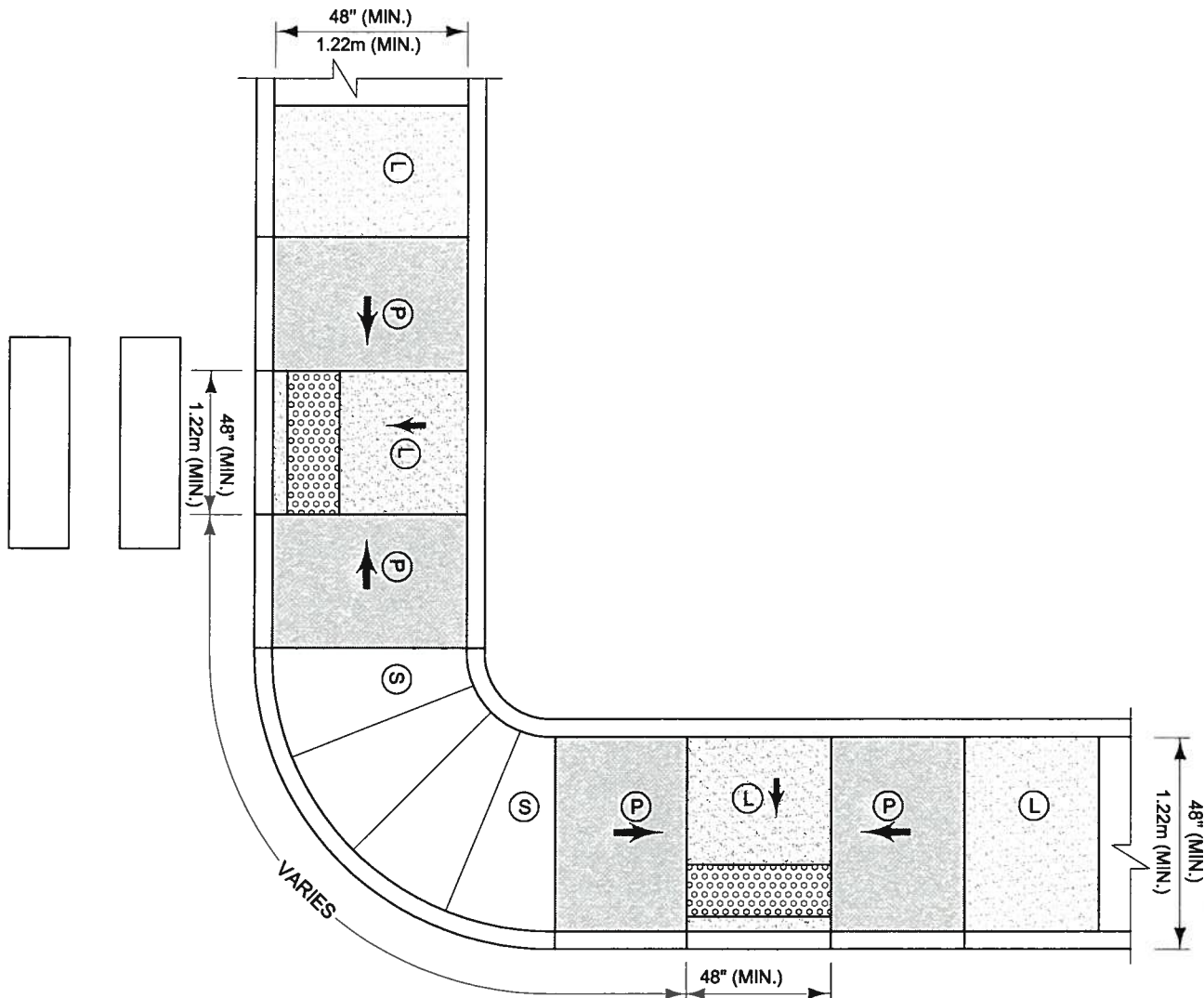
ADA RAMPS  
PEDESTRIAN CURB RAMPS  
CURB RAMP TYPE 7

ADA-06

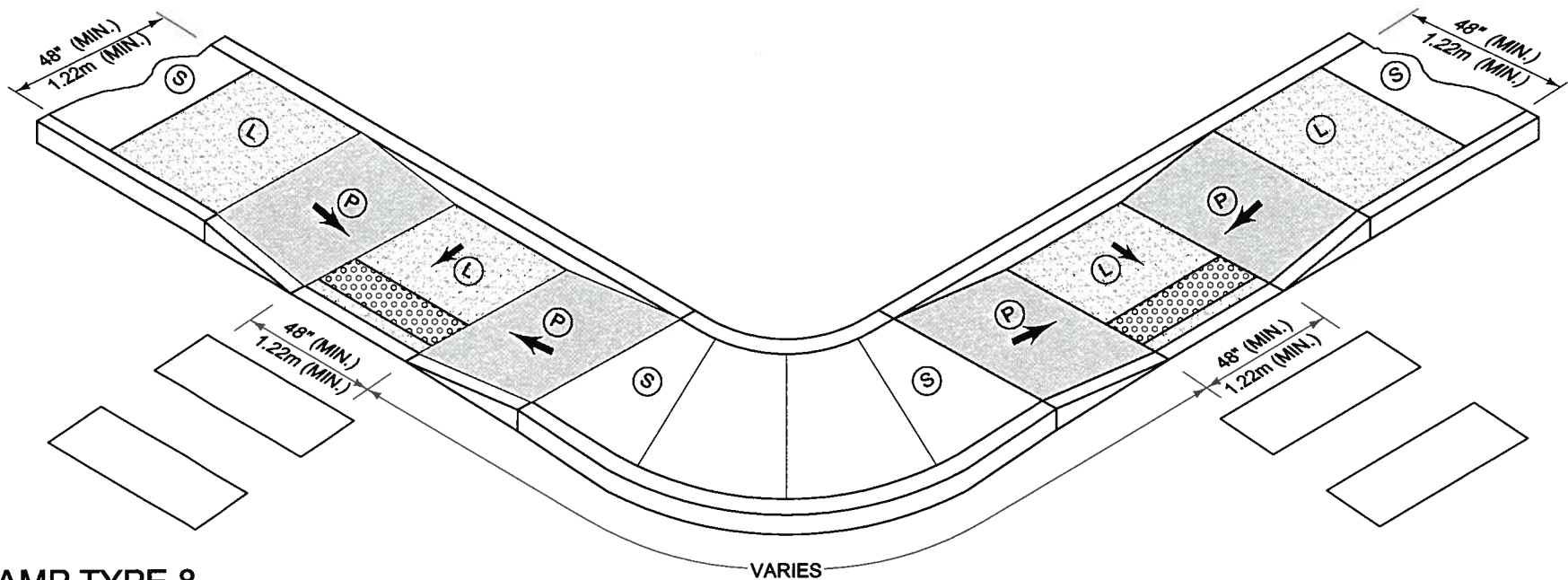
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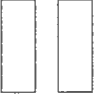
PLAN VIEW  
NOT TO SCALE



ISOMETRIC VIEW  
NOT TO SCALE

**CURB RAMP TYPE 8**  
 (PARALLEL CURB RAMP WITH FLARED CURBS AT A CORNER)  
 (FOR USE WITH RESTRICTED RIGHT-OF-WAY)

**LEGEND**

-  CURB RAMP
-  LANDING AREA  
(PROVIDE A 4' (MIN.) x 4' (MIN.)  
LANDING AREA AT ALL CURB  
RAMPS).
-  DETECTABLE WARNING  
FIELD
-  PLANTING
-  PEDESTRIAN CROSSWALK


**NOTES:**


1. THE RAMPS SHALL BE PERPENDICULAR TO RADIUS.
2. REFER TO SHEET ADA-01 FOR GENERAL NOTES, TYPICAL DETAILS AND SLOPE TABLE.



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**ADA RAMPS**  
 PEDESTRIAN CURB RAMPS  
 CURB RAMP TYPE 8

ADA-07  
 JUNE 2012

ENGINEERING STANDARDS OFFICE  
DESIGN AREA

