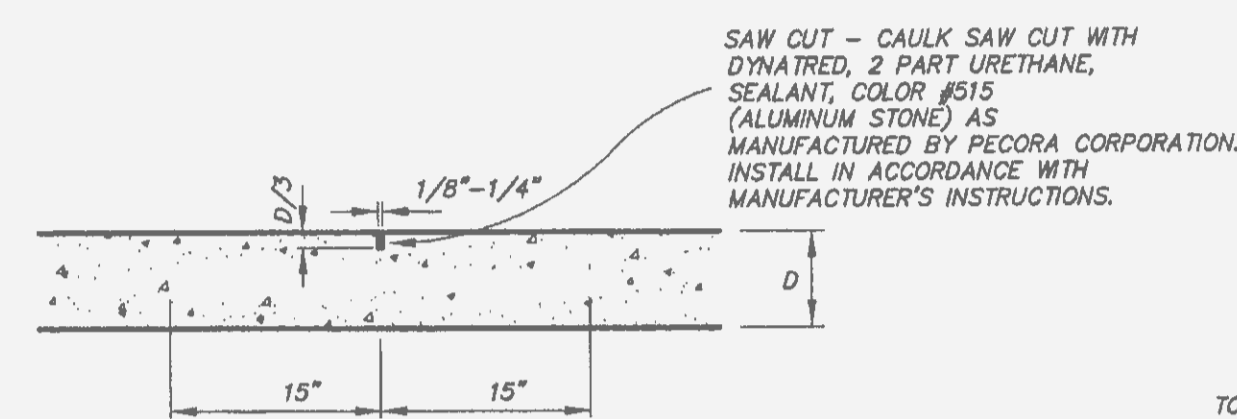


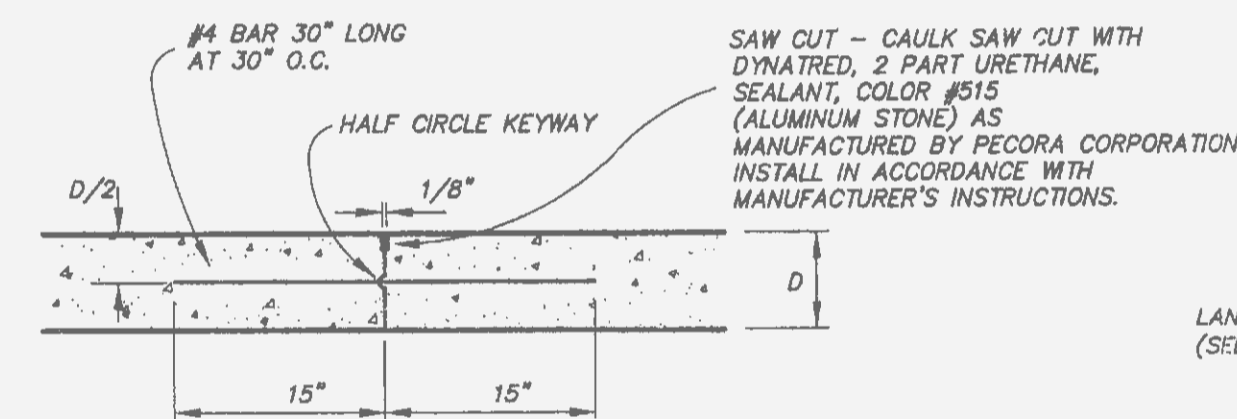
**CONCRETE PANEL REPAIR DOWEL DETAIL**

NOT TO SCALE



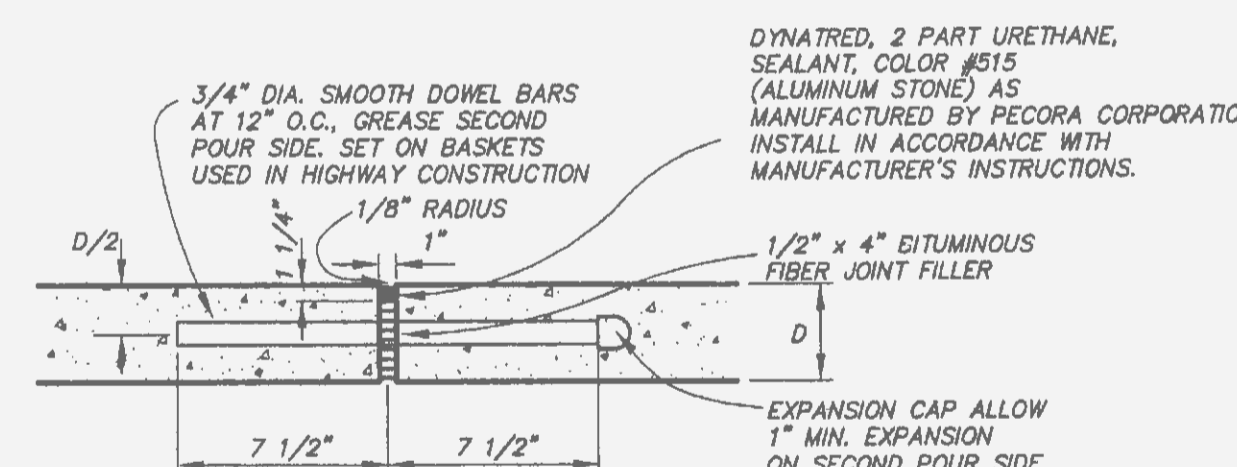
**TYP. CONCRETE PAVING SAWED OR PRE MOLDED JOINT**

NOT TO SCALE



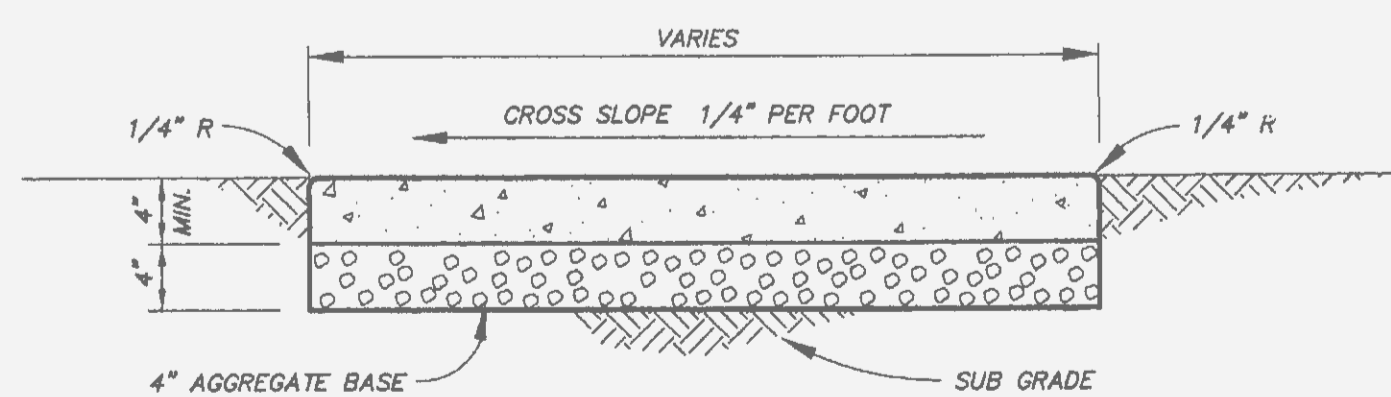
**TYP. CONCRETE PAVING KEYED CONSTRUCTION JOINT**

NOT TO SCALE



**TYP. CONCRETE PAVING EXPANSION JOINT**

NOT TO SCALE

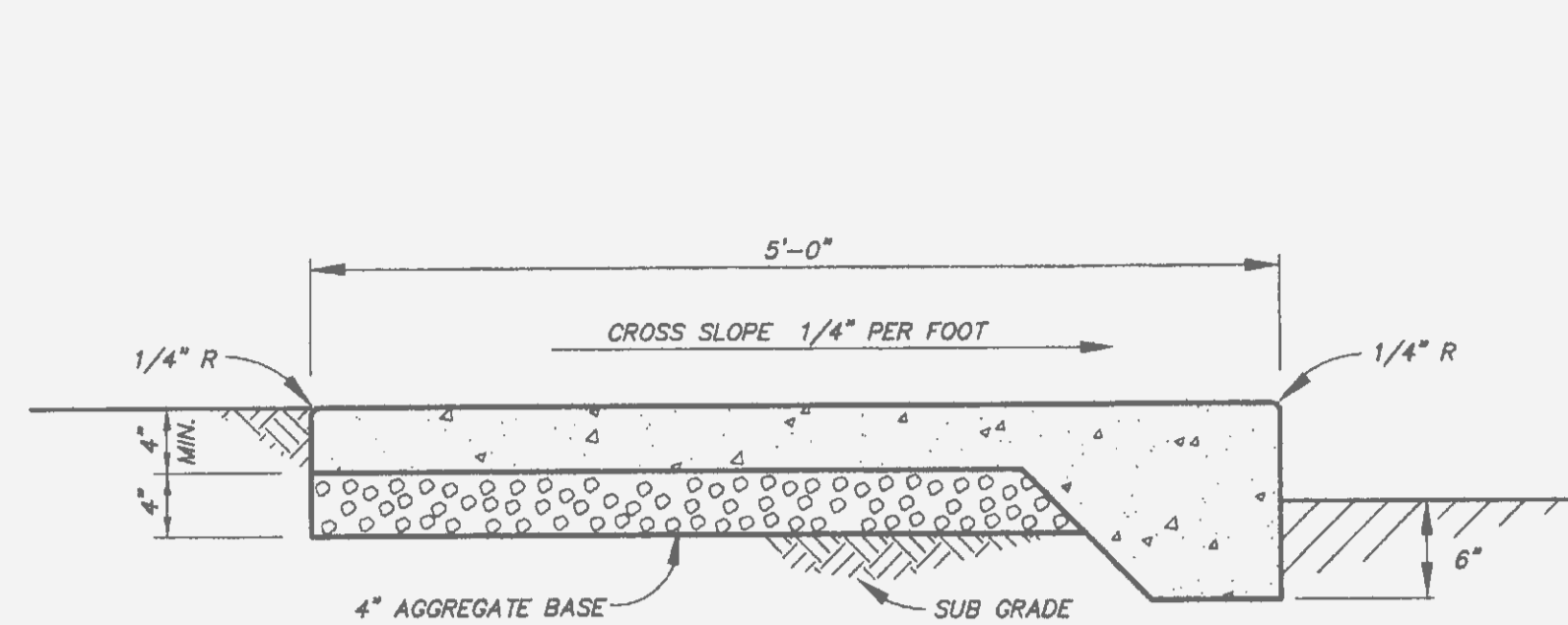


**CONCRETE SIDEWALK**

SCALE: 1" = 1'-0"

**SIDEWALK NOTES**

1. PROVIDE CONTROL JOINTS AT INTERVALS EQUAL TO CONCRETE SIDEWALK WIDTH, BUT IN NO CASE GREATER THAN 10'.
2. CONTROL JOINTS MAY BE MADE WITH A GROOVING TOOL AT TIME OF FINISHING OR WITH A CONCRETE SAW AFTER CONCRETE HAS SUFFICIENTLY CURED.
3. CONTROL JOINTS SHALL BE 1" DEEP AND 1/4" WIDE. 4. PROVIDE EXPANSION JOINTS AT MAXIMUM OF 32' INTERVALS AND AT EXISTING STRUCTURES OR CONCRETE.

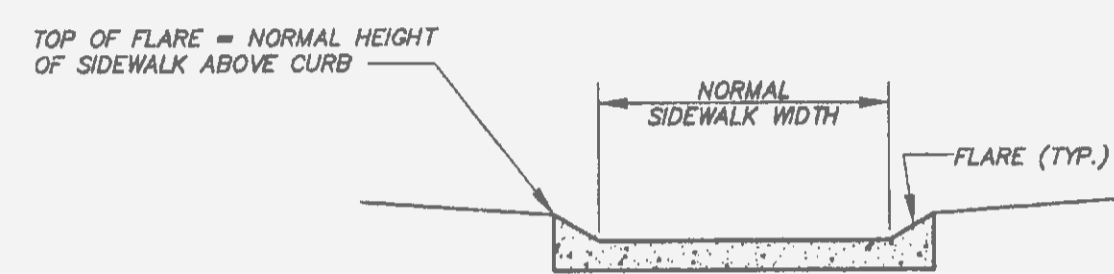


**THICKENED CONCRETE SIDEWALK**

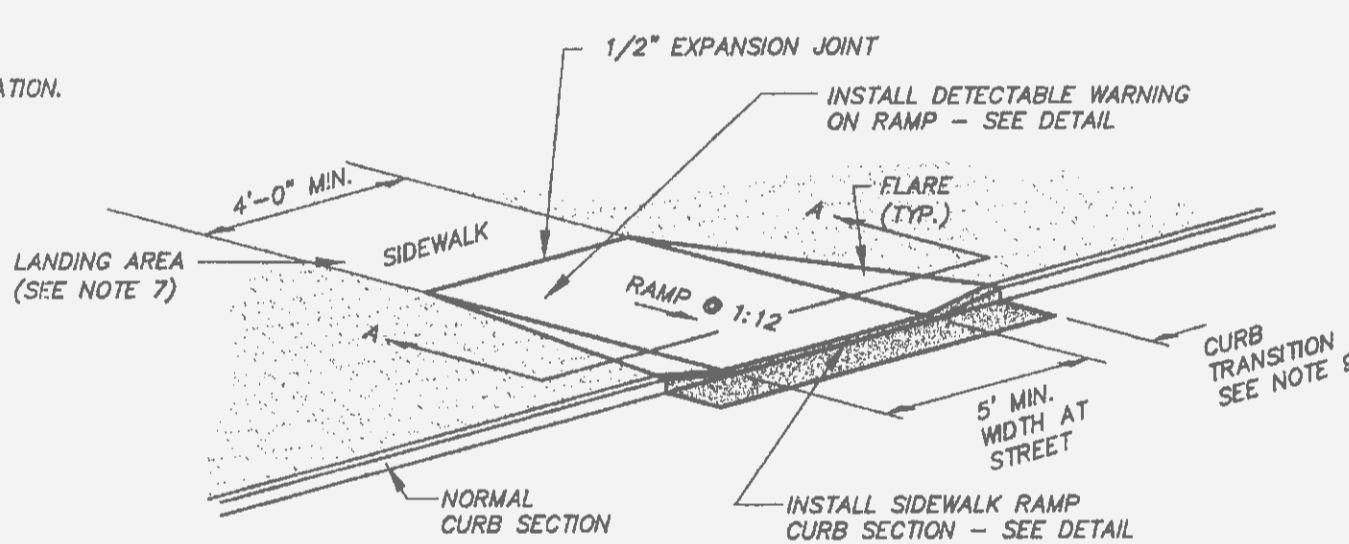
SCALE: 1" = 1'-0"

**SIDEWALK NOTES**

1. PROVIDE CONTROL JOINTS AT INTERVALS EQUAL TO CONCRETE SIDEWALK WIDTH, BUT IN NO CASE GREATER THAN 10'.
2. CONTROL JOINTS MAY BE MADE WITH A GROOVING TOOL AT TIME OF FINISHING OR WITH A CONCRETE SAW AFTER CONCRETE HAS SUFFICIENTLY CURED.
3. CONTROL JOINTS SHALL BE 1" DEEP AND 1/4" WIDE.
4. PROVIDE EXPANSION JOINTS AT MAXIMUM OF 32' INTERVALS AND AT EXISTING STRUCTURES OR CONCRETE.



**SECTION A-A**

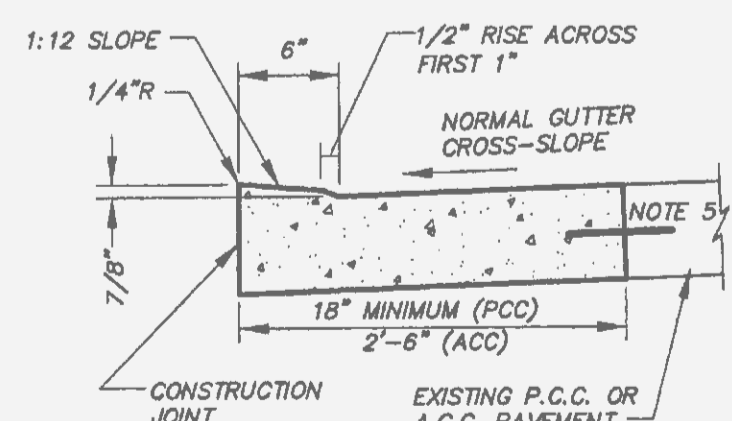


**ADA RAMP**

NOT TO SCALE

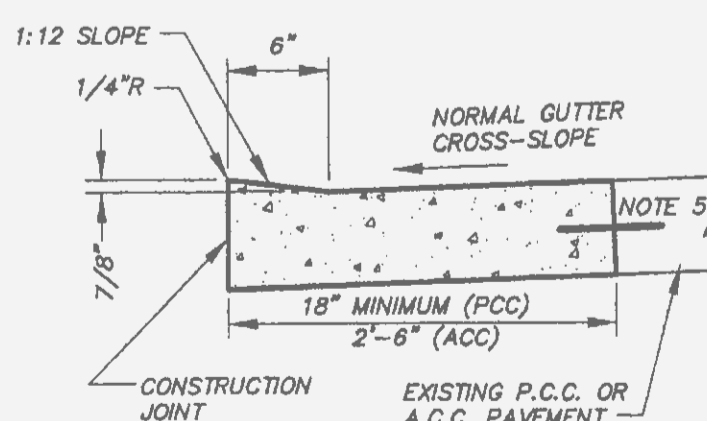
**NOTES:**

1. RAMP SHALL BE 4" THICK CONCRETE.
2. EXPANSION JOINT SHALL BE 1/2" PREFORMED CORK OR BITUMINOUS EXPANSION JOINT MATERIAL.
3. MAXIMUM RAMP CROSS SLOPE IS 1/4" PER FT.
4. ALL SLOPES ARE MEASURED FROM THE HORIZONTAL.
5. REPLACE STANDARD CURB SECTION WITH SIDEWALK RAMP CURB SECTION - SEE DETAIL.
6. RAMP 1:12 MAX. USE FLATTER WHEN POSSIBLE.
7. LANDING AREA SHALL BE 4'-0" MIN WIDTH, CROSS SLOPE OF LANDING SHALL NOT EXCEED 1/4" PER FT.
8. FLARES ARE REQUIRED AT RAMPS TO KEEP GRASS PARKWAY SLOPES IN CONFORMANCE WITH THE TYPICAL CROSS SECTION (SEE SECTION A-A).
9. CURB TRANSITION LENGTH IS DEPENDENT ON FLARE SLOPE.



**SIDEWALK RAMP CURB (ALTERNATE)**

NOT TO SCALE



**SIDEWALK RAMP CURB**

NOT TO SCALE

**PCC PAVEMENT NOTES:**

1. PAVEMENT THICKNESS SHALL MATCH EXISTING. BASE SHALL MATCH EXISTING.
2. EXPANSION JOINTS AND CONTRACTION JOINTS SHALL BE PLACED AT LOCATIONS SIMILAR TO THE PAVEMENT WHICH WAS REMOVED.
3. CURB EDGE SHALL BE TOOLED WITH 1/4" RADIUS. WHERE EXISTING PAVEMENT IS P.C.C., LOW CURB REPLACEMENT SHALL BE DOWELED INTO EXISTING USING 12" LONG #4 BARS AT 24" CTRS.

**ACC PAVEMENT NOTES:**

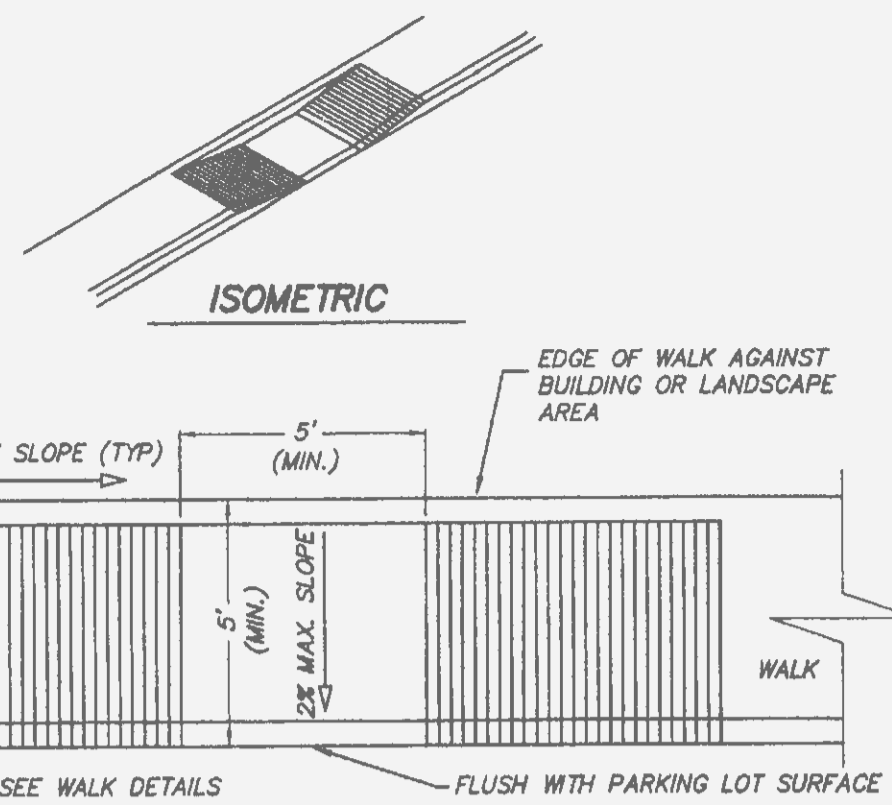
1. GUTTER THICKNESS SHALL MATCH EXISTING. BASE SHALL MATCH EXISTING.
2. EXPANSION JOINTS AND CONTRACTION JOINTS SHALL BE PLACED AT LOCATIONS SIMILAR TO THE CURB AND GUTTER WHICH WAS REMOVED.
3. CURB EDGE SHALL BE TOOLED WITH 1/4" RADIUS.

**NOTE:**

1. DETECTABLE WARNING SHALL CONSIST OF RAISED TRUNCATED DOMES WITH A DIAMETER OF 0.9", A HEIGHT OF NOMINAL 0.2" AND CENTER-TO-CENTER SPACING OF NOMINAL 2.35". THE SURFACE SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES, ACHIEVED BY THE ADDITION OF A RED PIGMENT TO THE CONCRETE MIX. DOME PATTERN SHALL BE AN INTEGRAL PART OF THE WALKING SURFACE.
2. TRUNCATED DOMES FOR CURB RAMPS SHALL MEET ADA REQUIREMENTS AND SHALL BE CONSTRUCTED USING RED PRE CAST TRUNCATED DOMES SUCH AS THOSE MANUFACTURED BY ARMOR TILE OR APPROVED EQUAL.

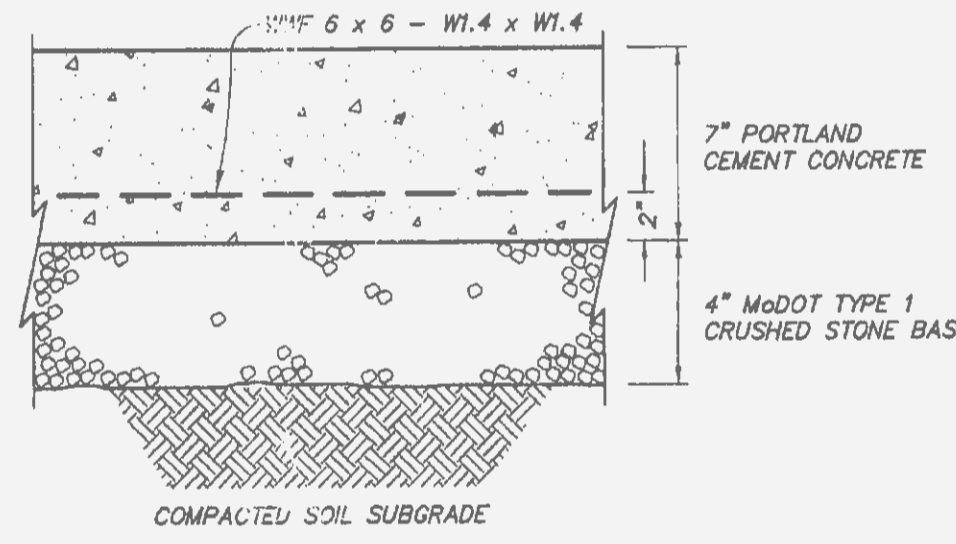
**DETECTABLE WARNING**

NOT TO SCALE



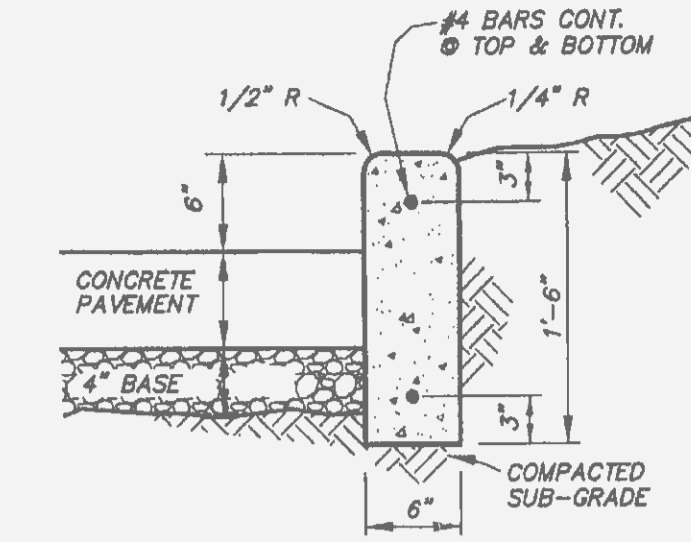
**ADA RAMP WITH LANDING**

NOT TO SCALE



**STANDARD DUTY CONCRETE PAVEMENT**

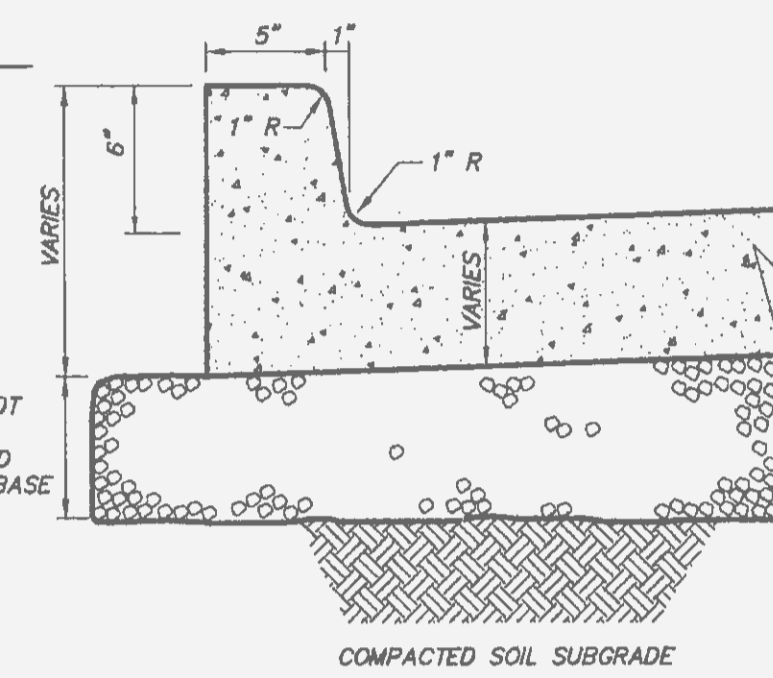
NOT TO SCALE



**STAND UP CURB (ALTERNATE)**

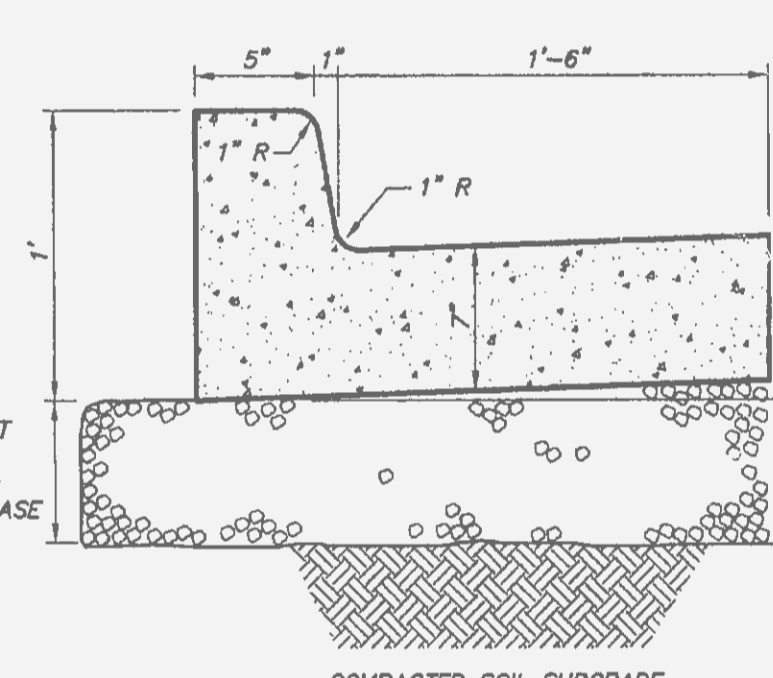
NOT TO SCALE

1. PROVIDE 1" DEEP x 1/4" WIDE CONTROL JOINTS AT MAXIMUM 10' SPACING.
2. PROVIDE 1/2" EXPANSION JOINTS AT MAXIMUM 60' INTERVALS AND AT EXISTING CONCRETE USING #4 DOWELS x 12" LGT. - TOP AND BOTTOM - PREVENT BONDAGE TO CONCRETE AT ONE END.



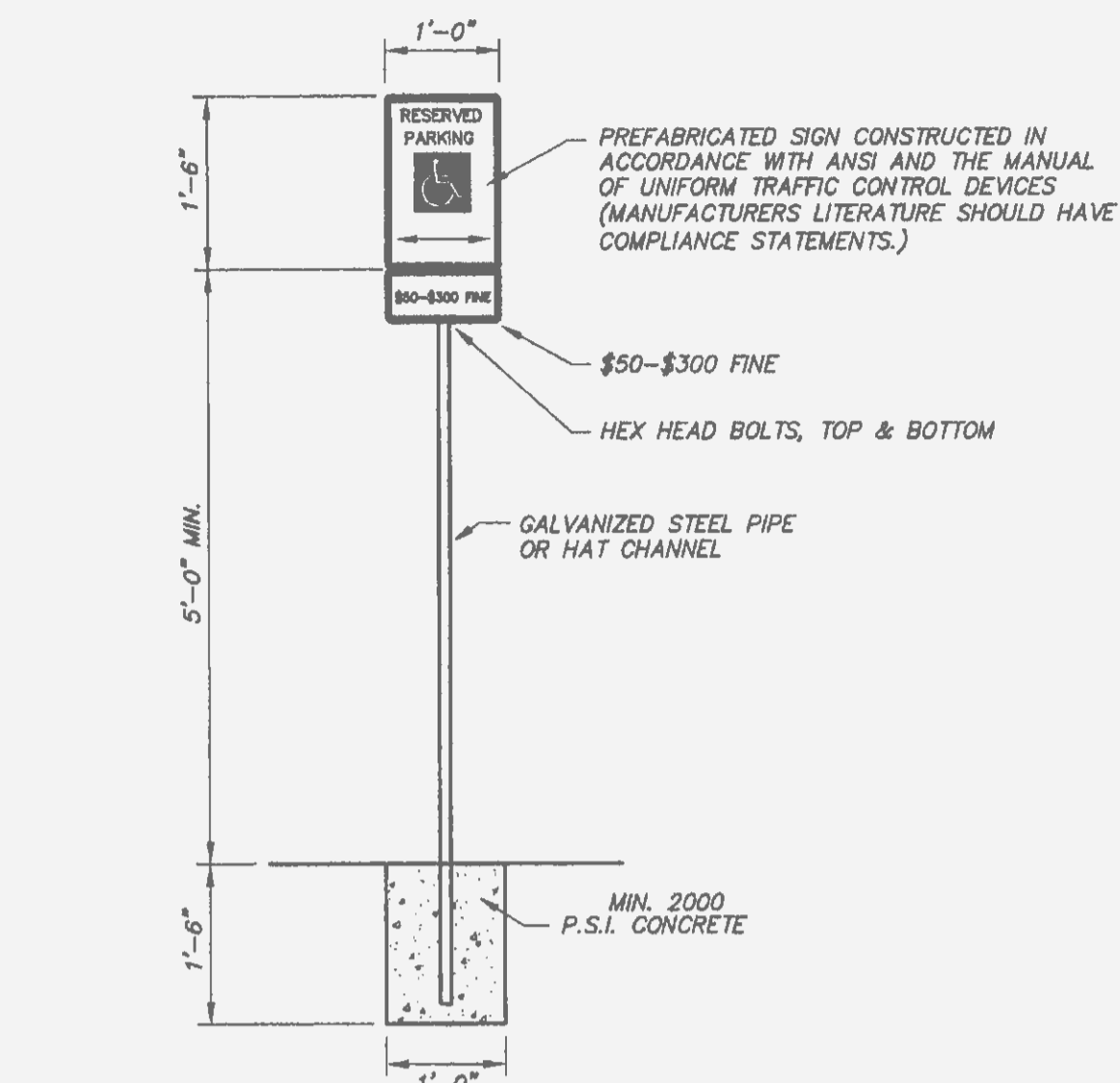
**6\"/>**

NOT TO SCALE



**6\"/>**

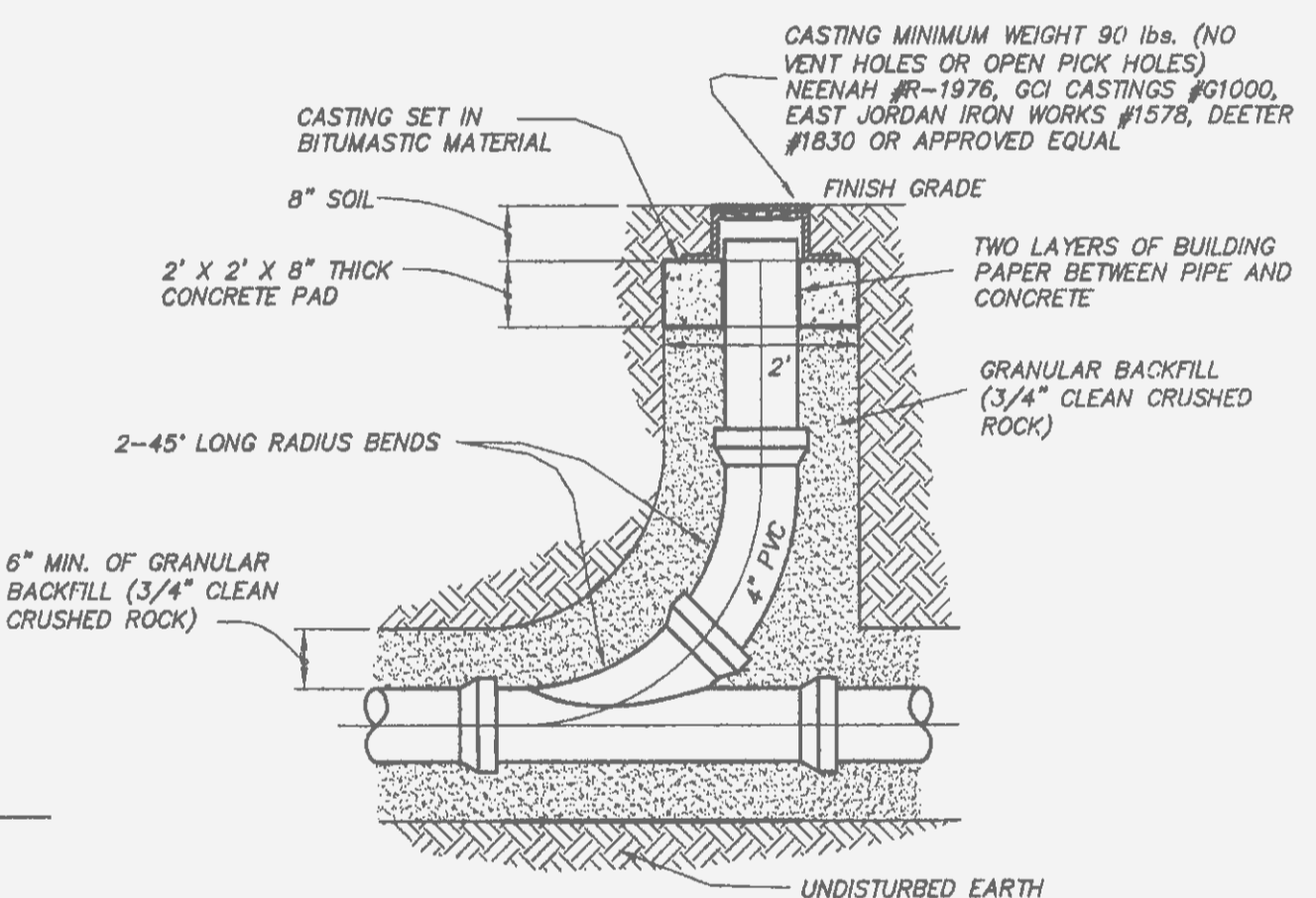
NOT TO SCALE



**ADA PARKING SIGN**

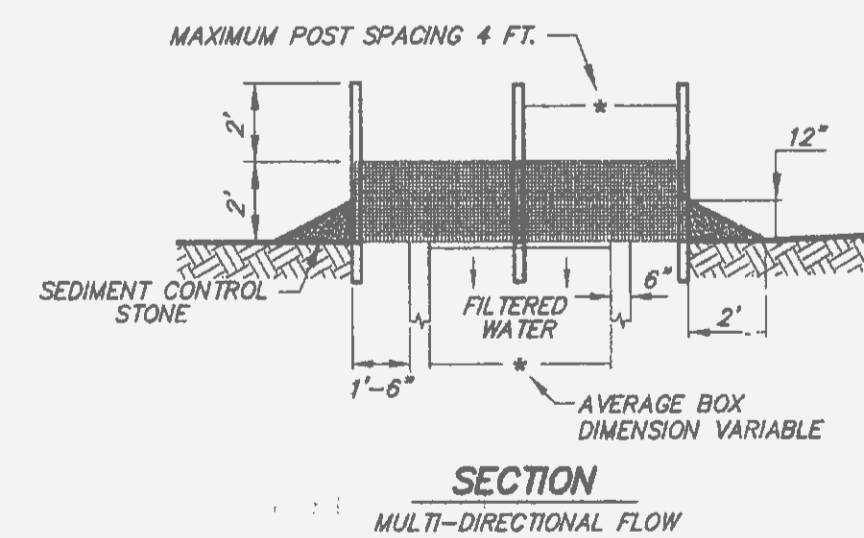
NO SCALE

NOTE: "VAN ACCESSIBLE" SIGN BELOW REGULAR SIGN, AS NEEDED



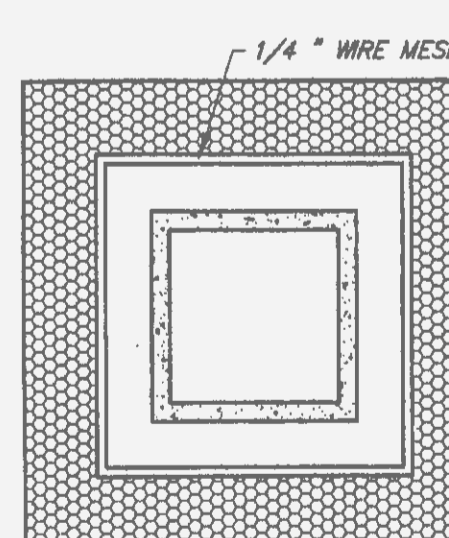
**STANDARD STORM SEWER CLEANOUT**

NOT TO SCALE



**SECTION**

MULTI-DIRECTIONAL FLOW



**PLAN**

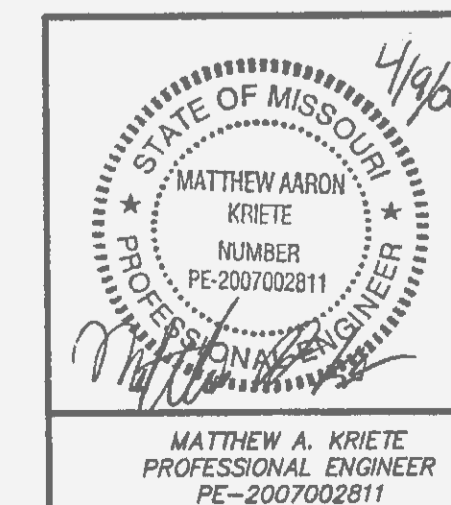
MULTI-DIRECTIONAL FLOW

**INLET PROTECTION**

NOT TO SCALE

**NOTE:**

1. SEDIMENT CONTROL STONE SHALL BE 3/4" WASHED STONE.
2. WIRE MESH SHALL BE HARDWARE CLOTH 23 GAUGE MIN. AND SHALL HAVE 1/4" MESH OPENINGS.
3. TOP OF WIRE MESH SHALL BE A MINIMUM OF ONE FOOT BELOW THE SHOULDER OR ANY DIVERSION POINT.
4. STEEL POST SHALL BE 5 FT. IN HEIGHT, BE INSTALLED 1.5 FT. DEEP MINIMUM, AND BE OF THE SELF-FASTENER ANGLE STEEL TYPE.
5. WOOD POST SHALL BE 6 FT. IN HEIGHT, BE INSTALLED TO 1.5 FT. DEEP MINIMUM, AND BE 3 INCHES IN DIAMETER.
6. POST SPACING SHALL BE A MAXIMUM OF 4 FT.



NECAC ADDITION			
O'FALLON, MISSOURI			
Surveyed: FEC	Checked: ES/AK	Scale: AS SHOWN	Date: 1 FEBRUARY 2008
Drawn: JLS Job: 113 Fay Street, Columbia, Missouri, 573-449-2646		Job: 0868	Sheet: 5 of 7
Revised: 9 APR 2008			