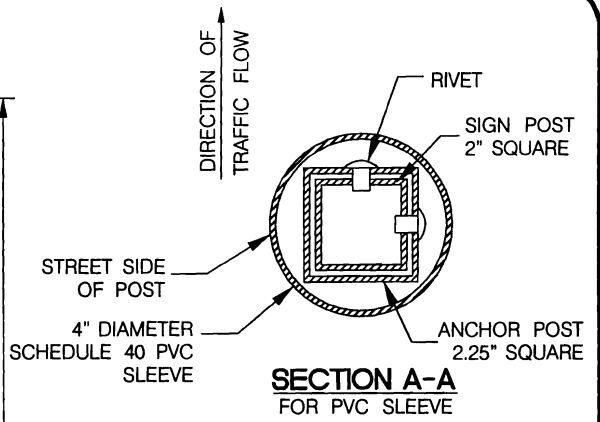
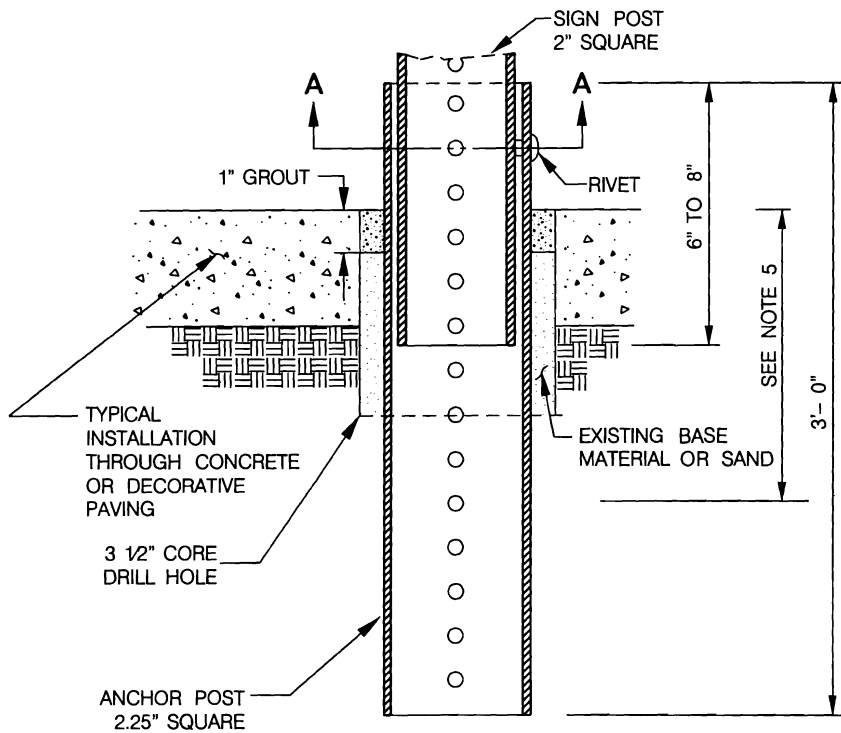


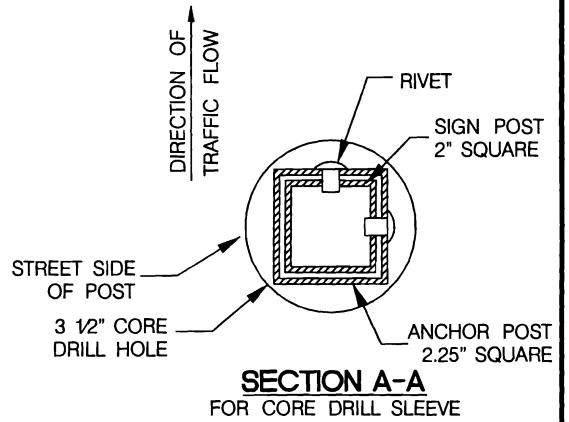
**TYPICAL PVC SECTION**



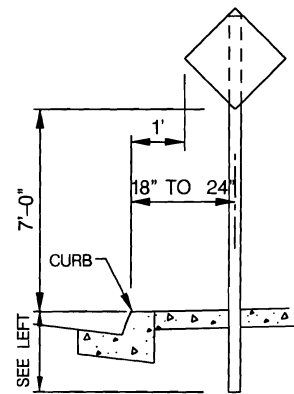
**SECTION A-A  
FOR PVC SLEEVE**



**TYPICAL CORE DRILL SECTION**



**SECTION A-A  
FOR CORE DRILL SLEEVE**



**TYPICAL SIGN INSTALLATION**

APPROVED: *Greg [Signature]* DATE: 11-6-09  
CITY ENGINEER

CITY OF SANTA ANA  
PUBLIC WORKS AGENCY



| DATE | REVISION |
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**SIGN POST INSTALLATION**

**STD. PLAN  
NUMBER  
1504-A**

NOTES

1. ALL SIGNS INSTALLED IN PARKWAYS, SIDEWALKS, OR PEDESTRIAN AREAS SHALL HAVE A MINIMUM OF 7 FEET OF VERTICAL CLEARANCE FROM THE BOTTOM OF THE LOWEST SIGN TO THE SURROUNDING SURFACE. ALL SIGNS INSTALLED IN RAISED MEDIAN AREAS SHALL HAVE A MINIMUM VERTICAL CLEARANCE OF 4 FEET FROM THE EXISTING SURFACE UNLESS SHOWN OTHERWISE ON THE PLANS.
2. NEW SIGNS SHALL BE INSTALLED USING SQUARE TUBING SIGNPOST ("UNISTRUT", "TELSPAR" OR APPROVED EQUAL), ANCHORS AND ANCHOR SLEEVES.
3. THE SIGN POST AND ANCHOR SHALL BE FULLY PERFORATED GALVANIZED SQUARE 12 GAUGE STEEL TUBING. THE SIGN POST SHALL BE 2 INCH SQUARE AND THE SIGN POST ANCHOR SHALL BE 2.25 INCH SQUARE (ALL DIMENSIONS ARE NOMINAL).
4. ON EXISTING CONCRETE, A 3 1/2" CORE SHALL BE DONE FOR ALL SIGNS (NEW OR RELOCATED) THAT ARE TO BE INSTALLED IN EXISTING CONCRETE. THE LENGTH OF THE CORE SHALL BE NO LESS THAN THE THICKNESS OF THE PAVING. BACK FILL THE ANNULAR VOID WITH THE EXISTING BASE MATERIAL OR SAND TO WITHIN 1" OF THE FINISHED SURFACE. FILL THE FINAL 1" WITH GROUT.
5. ON NEW CONCRETE, SLEEVE SHALL BE INSTALLED PRIOR TO PLACEMENT OF ANY NEW CONCRETE. SLEEVE SHALL BE 4-INCH DIAMETER SCHEDULE 40 PVC SLEEVE. THE LENGTH OF THE SLEEVE SHALL BE THE SAME AS THE THICKNESS OF THE PAVING OR UP TO 1 INCH GREATER. THE PVC SLEEVE SHALL BE INSTALLED FLUSH WITH THE FINISH GRADE OF THE SURROUNDING PAVING. BACK FILL THE ANNULAR VOID BETWEEN THE SLEEVE AND SIGN POST ANCHOR WITH THE EXISTING BASE MATERIAL OR SAND TO WITHIN 1" OF THE FINISHED SURFACE. FILL THE FINAL 1" WITH GROUT.
6. CONCRETE POURED AROUND EXISTING SIGN WILL REQUIRE THE REMOVAL OF THE EXISTING POST. THE SIGN POST WILL THEN BE REINSTALLED AND REQUIRE A PVC SLEEVE.
7. POST INSTALLED IN GRASS OR DIRT DO NOT NEED 3 1/2" CORE OR PVC SLEEVE.
8. ANCHORS SHALL BE EMBEDDED WITH NO MORE THAN FOUR HOLES EXPOSED AND NO LESS THAN TWO HOLES EXPOSED.
9. CALL UNDERGROUND SERVICE ALERT AT (800) 422-4133 BEFORE DIGGING.

APPROVED:

DATE:

11-6-09

*[Signature]*  
CITY ENGINEER

CITY OF SANTA ANA

PUBLIC WORKS AGENCY



| DATE | REVISION |
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**SIGN POST INSTALLATION**

**STD. PLAN NUMBER  
1504-B**