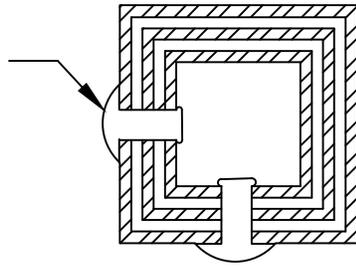


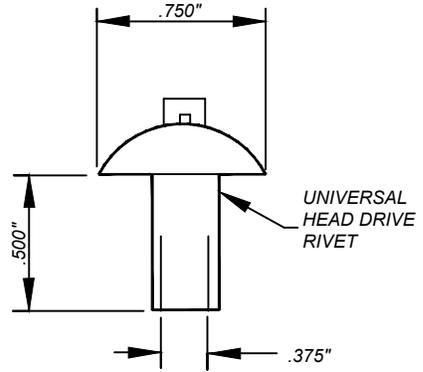
RIVET LOCATIONS
(SEE NOTE 6 ON
SHEET 2 OF 3)

DIRECTION OF
TRAFFIC FLOW

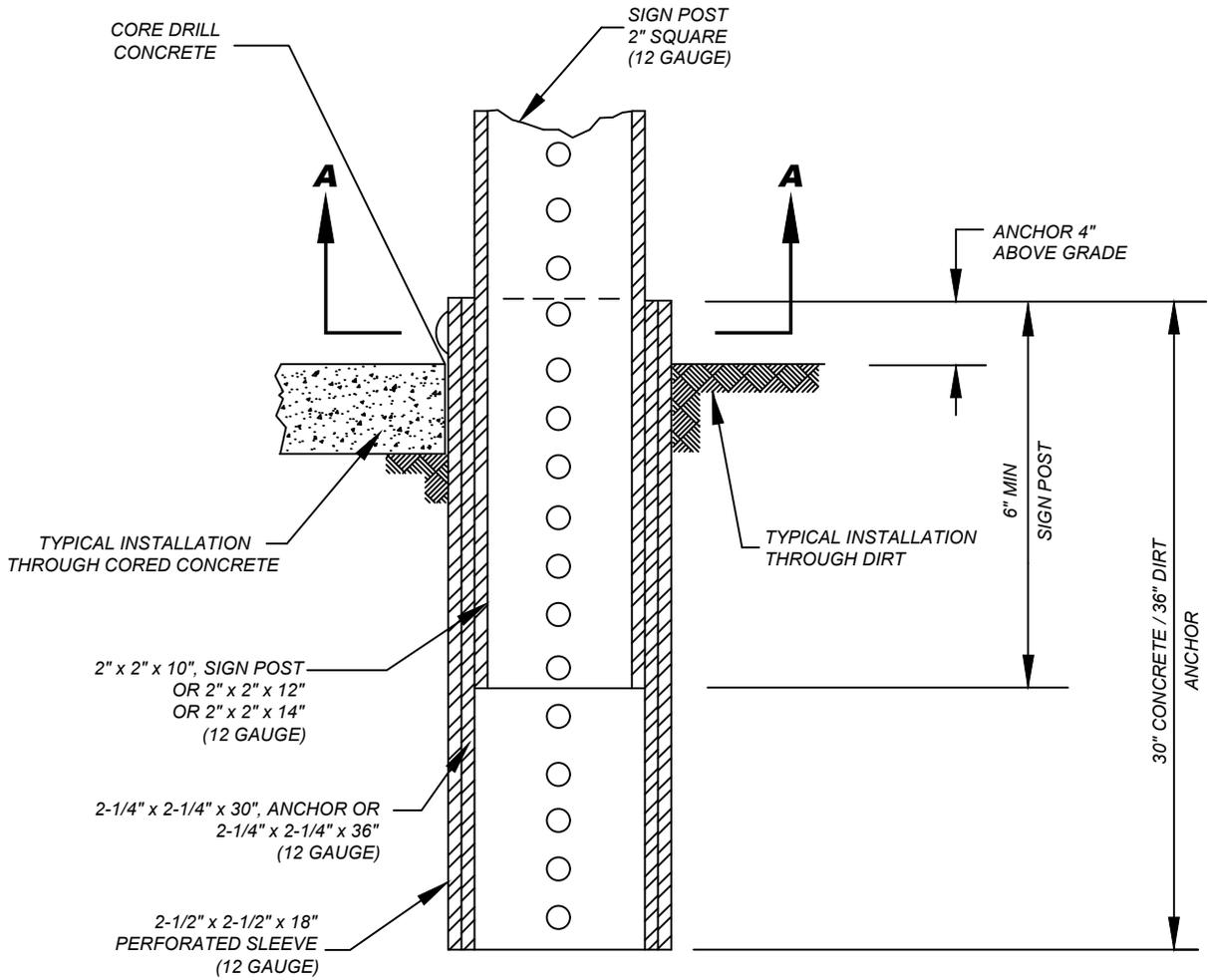
STREET
SIDE
OF
POST



SECTION "A-A"



RIVET DETAIL



TYPICAL SECTION

NOT TO SCALE



DATE REVISED

07-10-2019

11-24-2021

**CITY OF MANHATTAN BEACH
DEPARTMENT OF PUBLIC WORKS**

SIGN POST INSTALLATION

APPROVED BY

Prem Kumar

PREM KUMAR, CITY ENGINEER

12/02/2021

DATE

STANDARD PLAN NUMBER

MBSI-188A-0

SHEET 1 OF 3

NOTES

1. SQUARE PERFORATED STEEL TUBE POSTS WITH TWO PIECE ANCHOR AND SLEEVE, "TELESPAR", SHALL BE USED FOR ALL TRAFFIC CONTROL AND INFORMATIONAL SIGNS WITHIN ROAD RIGHT-OF-WAY.
2. THE NUMBER OF POSTS REQUIRED FOR SIGN INSTALLATION SHALL BE DETERMINED BY THE AREA OF THE SIGN OR COMBINATION OF SIGNS TO BE INSTALLED. A SINGLE POST SHALL BE USED WHERE BOTH THE LENGTH AND WIDTH ARE 48" OR LESS. DOUBLE POSTS SHALL BE USED WHERE EITHER THE LENGTH OR THE WIDTH EXCEEDS 48".
3. THE 2 PIECE ANCHOR AND SLEEVE ASSEMBLY SHALL CONSIST OF A 2 1/4" SQUARE BY 30" (THROUGH SIDEWALK) OR 36" (THROUGH SOIL) ANCHOR WITH A 2 1/2" SQUARE BY 18" SLEEVE. ALL SLEEVES AND ANCHORS SHALL BE 12 GAUGE.
4. THE ANCHOR AND SLEEVE ASSEMBLIES SHALL BE DRIVEN SIMULTANEOUSLY UNTIL ONLY 4" REMAINS ABOVE GROUND LEVEL.
5. ALL DIRT SHALL BE REMOVED FROM THE INSIDE TOP 6" MIN. OF THE ANCHOR ASSEMBLY TO ALLOW FOR INSTALLATION OF THE SIGN POST.
6. INSTALL THE 2" SQUARE SIGN POST MINIMUM 6" INTO THE ANCHOR ASSEMBLY AND SECURE IN PLACE WITH TWO 3/8" DRIVE RIVETS AS SHOWN. THE RIVETS SHALL BE INSTALLED ON THE SIDE FACING TRAFFIC FLOW AND THE SIDE OF APPROACHING TRAFFIC AS SHOWN IN ORDER TO ACHIEVE THE MAXIMUM BREAK-AWAY EFFECT.
7. INSTALLATION ACCORDING TO THESE REQUIREMENTS IS ESSENTIAL TO MAINTAIN THE BREAK-AWAY CHARACTERISTICS OF THE POST SYSTEM. UNDER NO CIRCUMSTANCES SHALL THE ANCHOR ASSEMBLY BE SECURED IN CONCRETE FOOTINGS.
8. THE BOTTOM OF THE LOWEST SIGN ON THE POST SHALL BE A MINIMUM OF 7 FEET ABOVE THE FINISHED SURFACE.
9. SEE SHEET 3 OF 3 FOR PLACEMENT OF SIGN POST.
10. ALL ANCHOR ASSEMBLIES SHALL BE CORE DRILLED THROUGH CONCRETE AND ASPHALT.
11. ALL SIGNS ATTACHED TO PERFORATED POSTS SHALL HAVE ZINC COATED OR S.S. WASHERS BEHIND THE RIVET THAT ARE LARGER THAN THE HEAD OF THE RIVET.
12. ALL REGULATORY, WARNING AND GUIDE SIGNS INSTALLED SHALL BE 0.080 INCHES IN THICKNESS.
13. ALL SIGNS 36" OR LARGER SHALL BE INSTALLED WITH BACK BRACES SPECIFICALLY DESIGNED FOR 2" SQUARE PERFORATED POSTS. (2" RISE)



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07-10-2019

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CITY OF MANHATTAN BEACH DEPARTMENT OF PUBLIC WORKS

SIGN POST INSTALLATION NOTES

APPROVED BY

PREM KUMAR, CITY ENGINEER

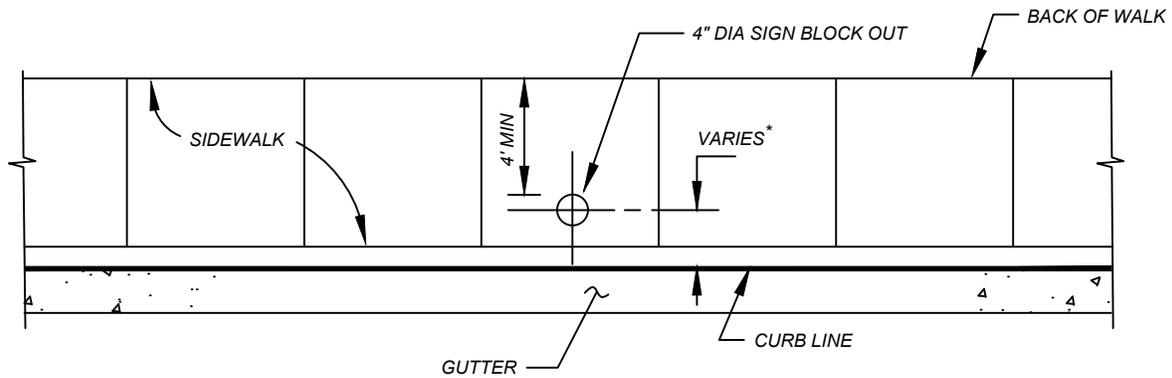
12/02/2021

DATE

STANDARD PLAN NUMBER

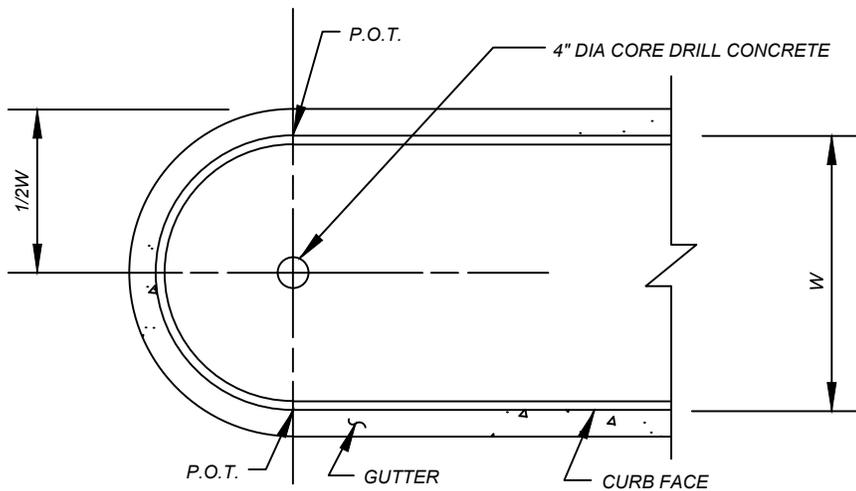
MBSI-188A-0

SHEET 2 OF 3



SIDEWALK LOCATION

*DISTANCE DETERMINED BY WIDTH OF SIGN.



MEDIAN LOCATION

NOT TO SCALE

NOTES

1. SIGN POST 4" CORE DRILL SHALL BE USED FOR ANY SIGN IN CONCRETE.
2. SIGNS LARGER THAN 48 INCHES OR LOCATIONS WHERE SIDEWALKS ARE LESS THAN 5 FEET WIDE, SIGN POST MUST BE INSTALLED BEHIND THE SIDEWALK.
3. SEE STANDARD PLAN NO. MBSI-115D-0 FOR SIDEWALK PLACEMENT AROUND OBSTRUCTIONS.



DATE REVISED

07-10-2019

11-24-2021

**CITY OF MANHATTAN BEACH
DEPARTMENT OF PUBLIC WORKS**

SIGN POST BLOCK OUT

APPROVED BY

PREM KUMAR, CITY ENGINEER

12/02/2021

DATE

STANDARD PLAN NUMBER

MBSI-188A-0

SHEET 3 OF 3