

X:\PUBLICWORKS\ENGINEERING\ENGINEERING STANDARDS\DETAILS\CURRENT\DWG\MSD 1130 PERMANENT MONUMENT (2015-08).DWG

PLOT DATE: 7/30/2015 3:50 PM

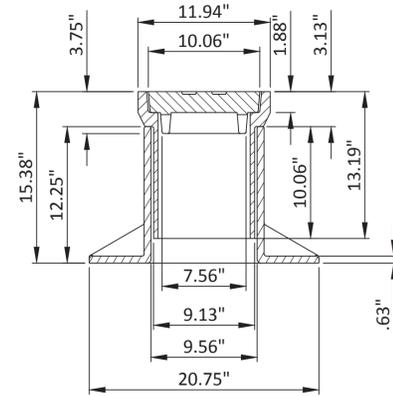
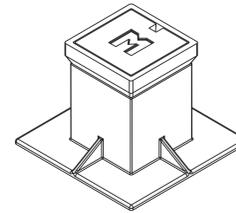
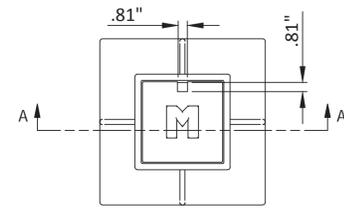
PLOTTED BY: RICK PETRIE

MINIMUM 2" DIAMETER DOMED BRONZE OR ALUMINUM CAP WITH PERMANENT MAGNET



**EXHIBIT A**

NOT TO SCALE

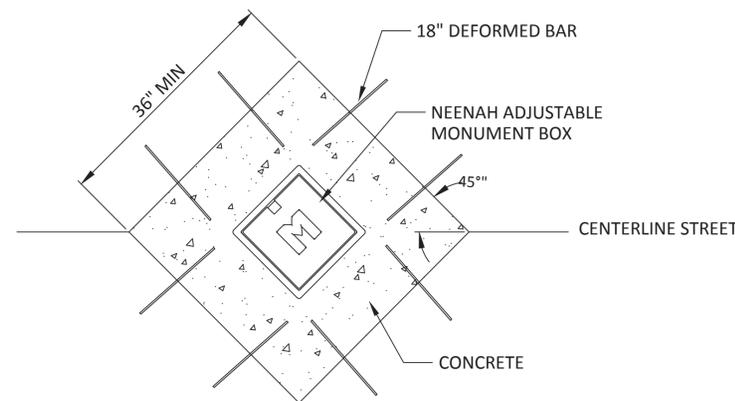
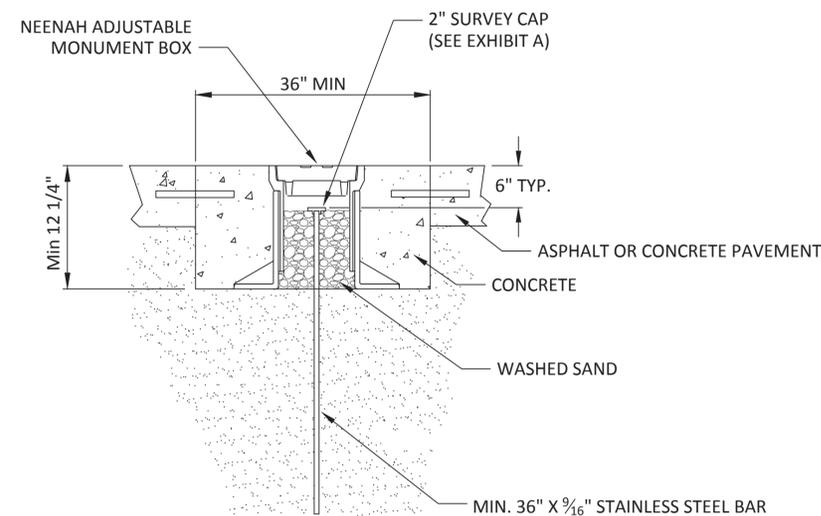


**NEENAH R-1968 TYPE 36-B  
OR APPROVED EQUIVALENT**

SECTION A-A

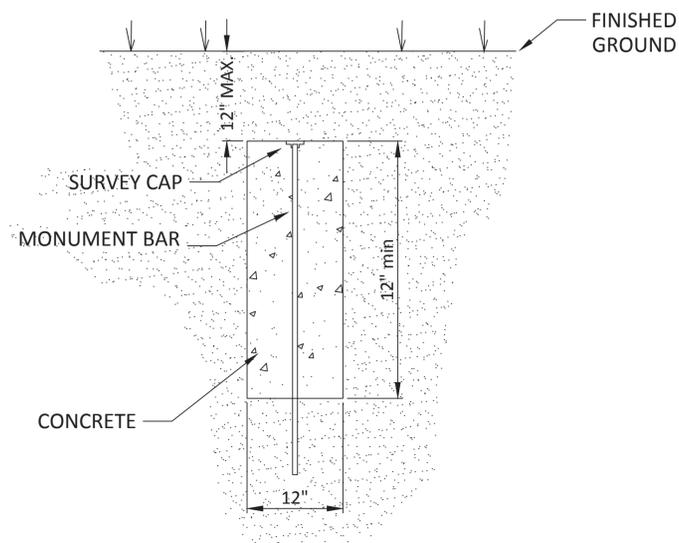
**ADJUSTABLE MONUMENT BOX DETAIL**

NOT TO SCALE



**TYPE A: MONUMENT SETTING**

NOT TO SCALE



**TYPE B: MONUMENT SETTING**

NOT TO SCALE

**GENERAL NOTES:**

1. ALL PUBLIC LAND SURVEY SYSTEM (PLSS) CORNERS SHALL BE REFERENCED AND FILED PER K.S.A 58-2011. A COPY OF THE CORNER REFERENCES SHALL BE FILED WITH THE CITY ENGINEER.
2. ALL PLSS ENDANGERED CORNERS SHALL HAVE ENDANGERMENT REPORTS FILED IN COMPLIANCE WITH K.S.A 58-2011 AND SHALL NOTIFY THE CITY ENGINEER OF THE CITY OF MANHATTAN, KANSAS 30 DAYS PRIOR THE THE COMMENCEMENT OF SAID ENDANGERING ACTIVITY.
3. MONUMENTS AT THE MAIN CONTROLLING CORNERS OF EACH UNIT OF A SUBDIVISION AS DEFINED BY THE MANHATTAN URBAN AREA SUBDIVISION REGULATIONS HEREINAFTER KNOWN AS "BOUNDARY CORNERS" SHALL BE SET AS TYPE B MONUMENTS. BOUNDARY CORNER CAPS MAY BE PLASTIC AT THE DISCRETION OF THE SURVEYOR.
4. PLSS AND BOUNDARY CORNERS SET SHALL BE ESTABLISHED AND OR REESTABLISHED BY A LAND SURVEYOR LICENSED IN THE STATE OF KANSAS.
5. ALL PLSS INSTALLATIONS SHALL HAVE THE PROPER IDENTIFICATION CAP FOR THE PARTY INSTALLING THE MONUMENT, AS SHOWN IN EXHIBIT A.
6. ALL STAMPINGS, FORGINGS, AND IMPRESSIONS SHALL BE LEGIBLE.
7. ALL PLSS CORNERS SET SHALL PROPERLY IDENTIFY THE LOCATION OF THE MONUMENT WITHIN THE PLSS. THE "SYSTEM OF MARKING" FOUND IN THE MANUAL OF SURVEYING INSTRUCTIONS -1973 WHICH IS PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, BUREAU OF LAND MANAGEMENT SHALL BE USED.
8. PLSS CORNERS THAT SHALL BE ESTABLISHED OR REESTABLISHED INCLUDE SECTION CORNERS, SECTION QUARTER CORNERS, CENTER OF SECTION, GOVERNMENT LOT CORNERS, AND ANY OTHER CORNER AT THE DIRECTION OF THE CITY ENGINEER.
9. TYPE A MONUMENTS SHALL BE USED WHERE A PLSS CORNER FALLS WITHIN STREET OR OTHER PAVED SURFACE TO INCLUDE BUT NOT LIMITED TO STREETS SIDEWALKS, DRIVEWAYS, TRAILS, AND PAVED DRAINAGE CHANNELS, OR AT THE DIRECTION OF THE CITY ENGINEER.
10. TYPE B MONUMENTS SHALL BE INSTALLED IN ALL OTHER INSTANCES WHERE A PLSS CORNER OR A BOUNDARY CORNER ARE TO BE SET.
11. ALL WORK AND MATERIALS REQUIRED TO INSTALL TYPE A MONUMENT BOX SHALL BE CONSIDERED SUBSIDIARY TO THE BID ITEM "INSTALL PLSS MONUMENT" AND BE INCLUDED IN PLAN QUANTITIES AND PAID AS A LUMP SUM ITEM.
12. MONUMENT BOX SHALL BE A NEENAH R-1968 TYPE 36-B OR APPROVED EQUIVALENT.
13. PLSS CORNERS SHALL BE 9/16" STAINLESS STEEL BAR WITH A MINIMUM LENGTH OF 36 INCHES. THE SURVEY CAP SHALL BE METALLURGICALLY-MATCHED FOR RESISTANCE TO CORROSION IN EITHER BRASS OR ALUMINUM AND SHALL CONTAIN A PERMANENT MAGNET.
14. IF A STONE PLSS CORNER IS FOUND IT SHALL BE USED IN PLACE OF THE 9/16" STAINLESS STEEL BAR. A 6" BY 1/2" BAR SHALL BE LAID HORIZONTALLY ALONGSIDE THE STONE TO ASSIST IN MAGNETIC DETECTION. IF A STONE IS FOUND NOTIFY THE CITY ENGINEER PRIOR TO FURTHER ACTIVITY.
15. BOUNDARY CORNERS SHALL CONFORM TO THE REQUIREMENTS SET FORTH IN THE MANHATTAN SUBDIVISION REGULATIONS OR THE KANSAS MINIMUM STANDARDS FOR BOUNDARY SURVEYS AND MORTGAGE TITLE INSPECTIONS STANDARDS OF PRACTICE AS ADOPTED BY THE STATE OF KANSAS WHICHEVER IS MORE STRINGENT.



NO.	DATE	DESCRIPTION	BY
<p>City of <b>Manhattan</b> Kansas</p> <p>PUBLIC WORKS 1101 POYNTZ AVE., MANHATTAN, KS 66502 (785) 587-2415</p> <p>MANHATTAN STANDARD DETAILS MSD 1130 PERMANENT MONUMENT</p> <p>CITY ENGINEER: BRIAN JOHNSON, P.E. DESIGN BY: CITY PROJ. #: DATE: DRAWN BY: PAGE OF</p>			