

X:\PUBLICWORKS\ENGINEERING\ENGINEERING STANDARDS\DETAILS\CURRENT\DWGS\MSD 1130 PERMANENT MONUMENT (2018-09).DWG

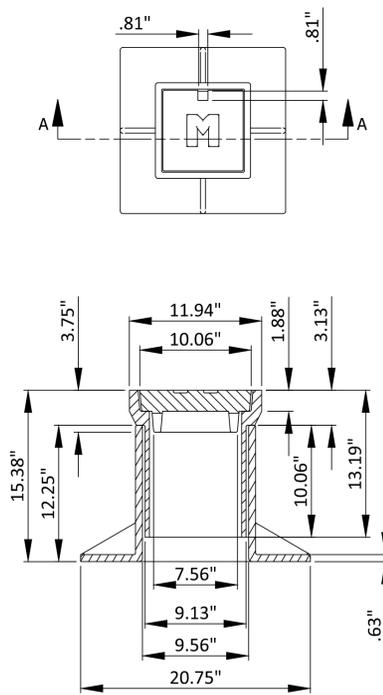
PLOT DATE: 3/11/2020 3:58 PM

PLOTTED BY: BROOKE WEIR

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



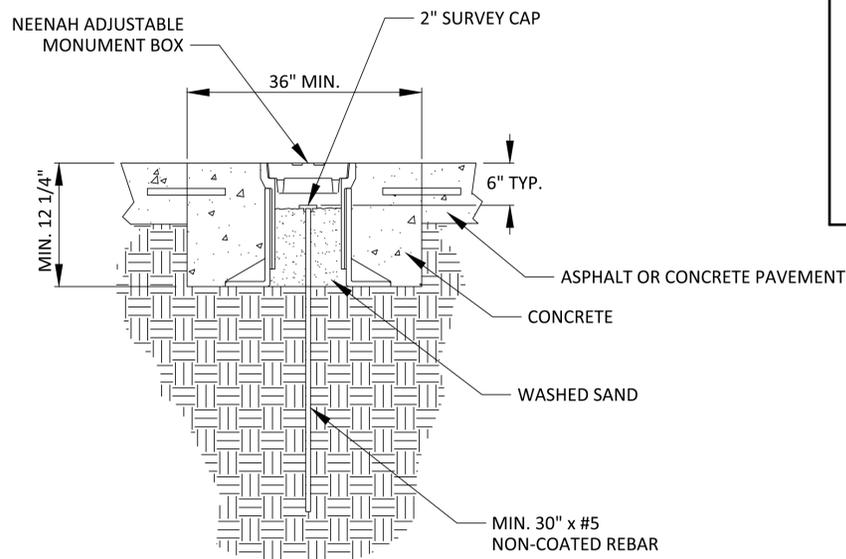
SURVEY CAP
NOT TO SCALE



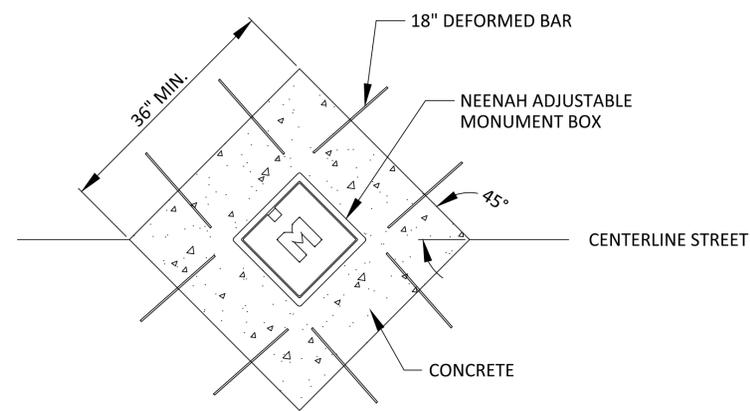
NEENAH R-1968 TYPE 36-B
OR APPROVED EQUIVALENT

NOTES:

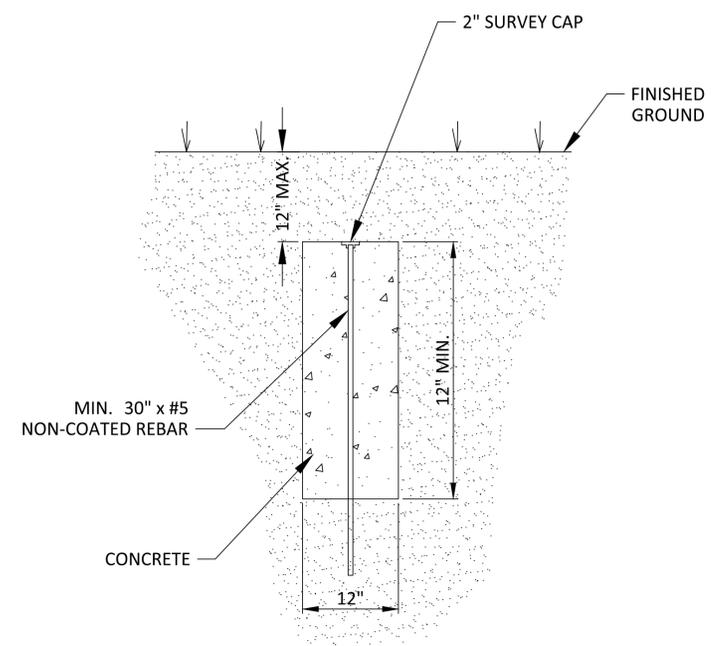
1. ALL PUBLIC LAND SURVEY SYSTEM (PLSS) CORNERS SHALL BE REFERENCED AND FILED PER K.S.A 58-2011. A COPY OF THE CORNER REFERENCES SHALL BE FILED WITH THE CITY ENGINEER.
2. ALL PLSS ENDANGERED CORNERS SHALL HAVE ENDANGERMENT REPORTS FILED IN COMPLIANCE WITH K.S.A 58-2011 AND SHALL NOTIFY THE CITY ENGINEER 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 PF 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 MONUMENT SETTINGS 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 MONUMENT SETTINGS 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, OR TYPE B MONUMENT SETTINGS INCLUDING SAWCUTTING AND REMOVAL OF EXISTING PAVEMENT SHALL BE CONSIDERED SUBSIDIARY TO THE BID ITEM "MONUMENT BOX" 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 MONUMENTS SHALL BE 5/8" (#5) NON-COATED REBAR WITH A MINIMUM LENGTH OF 30 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.



ADJUSTABLE MONUMENT BOX DETAIL
NOT TO SCALE



TYPE A: MONUMENT SETTING
NOT TO SCALE



TYPE B: MONUMENT SETTING
NOT TO SCALE

NO.	DATE	DESCRIPTION	BY
<p>City of Manhattan 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:</p>			
<p>CITY PROJ. #:</p>			
<p>DATE: DRAWN BY: PAGE OF</p>			

