



“Joy of Geodetics”



Part V Where Geodetic Markers are Placed

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United States Power Squadrons / America's Boating Club
Sponsor: USPS Cooperative Charting Committee

Revision 5 - 2020

Part V - Topics Outline (Where Placed)

1. In Ground - Level, Recessed, or Elevated
2. In PVC or Metal Casings
3. In Rocks and Rock Outcrops
4. In Concrete or Stone Pillars
5. In Sidewalks, Steps and Stoops
6. In Curbs and Curb Gutters
7. In Traffic Islands
8. In Walls of Stone or Brick
9. In Bridge Wingwalls, Abutments, & Railings
10. In Culvert Headwalls
11. At top of Spiers, Towers & Tanks
12. CORS Sites

Marks set in ground in concrete monuments “*Flush with Surface*”



EX0471 (BANK) – Nags Head, NC (GDS)



EZ1054 (PEARSALL) – Holly Springs,
NC (GDS)

In ground and “Flush with Surface”



DP2628 (WAK 119) – Lake Wheeler,
NC (GDS)



EZ2297 (HICKS) – Liberty, NC (GDS)

An unusual **in ground** mark “*flush with surface*” and surrounded by water!



Ref. 7

In Ground “*Elevated*” monuments exposed due to soil erosion or land grading



DJ9459 (NORRIS) – Lillington,
NC (GDS)



AI5334 (PIPE) – Roanoke Rapids,
NC (GDS)

In Ground “*Elevated*” monuments



DJ9459 (NORRIS) – Lillington,
NC (GDS)



FX41919 (LYNCH AZ MK) –
Roanoke Rapids, NC (GDS)

Some in ground monuments become
“Recessed” (buried) over time due to
movement of soil by man or nature



EZ0542 (KAY) – Dunn, NC (GDS)

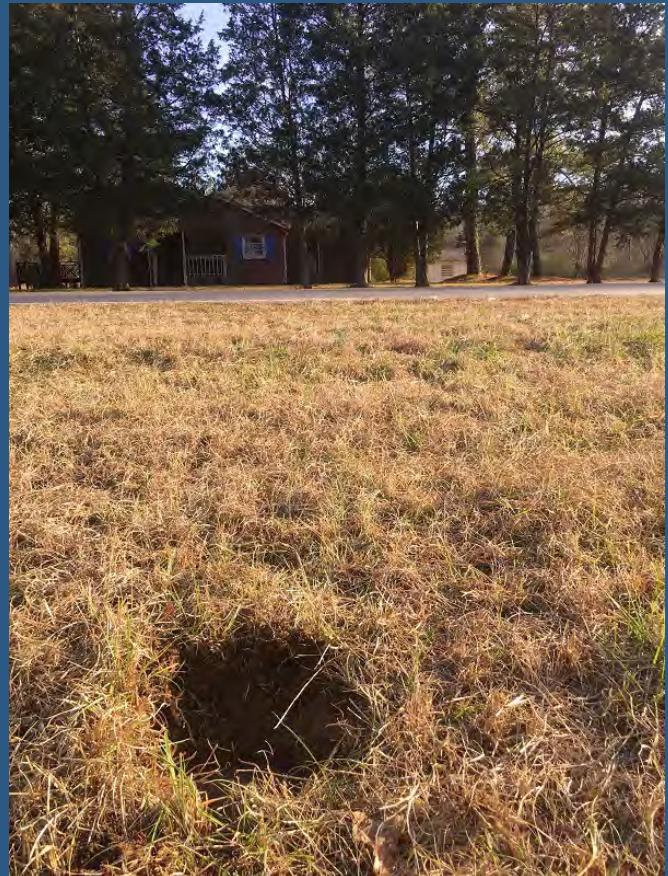


EZ5321 (SPRINGS) – Holly
Springs, NC (GDS)

“Recessed” Marks – Bring your shovel!



EZ2394 (CHINA) – Hopkins, NC (GDS)



AI5235 (HARRIS) – Hollister,
NC (GDS)



FW0685 (865 1370 D TIDAL) –
Duck, NC (GDS)



Marks set in concrete
cemented PVC tubes



Marks set in
concrete
cemented **PVC**
tubes

*Someone got
creative with
this mark!*

FW0724 (RADIO) – Corolla, NC (GDS)

Marks set in Threaded PVC Tubes with Screw Caps – tube set in concrete



FX2311 (V 201) – US 158 near Vaughn, NC (GDS)

Screw Cap



FX2310 (V 199) – US 158 near Littleton, NC (GDS)

Marks set in Threaded PVC Tubes with screw caps – tube set in concrete



EX0274 (N 195) – Ocracoke,
NC (GDS)

Disk Marks set in metal casings

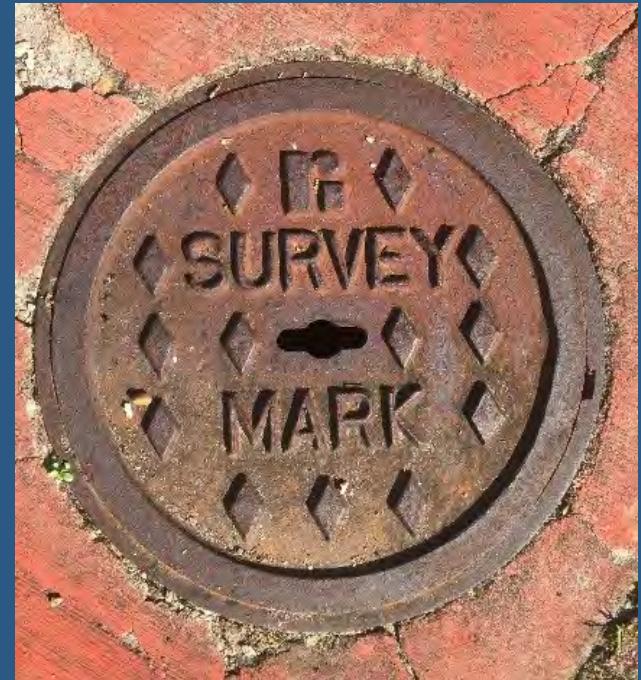


EZ0662 (CARY HIGH 2) –
Cary, NC (GDS)



Ref. 7

Marks set in metal casings



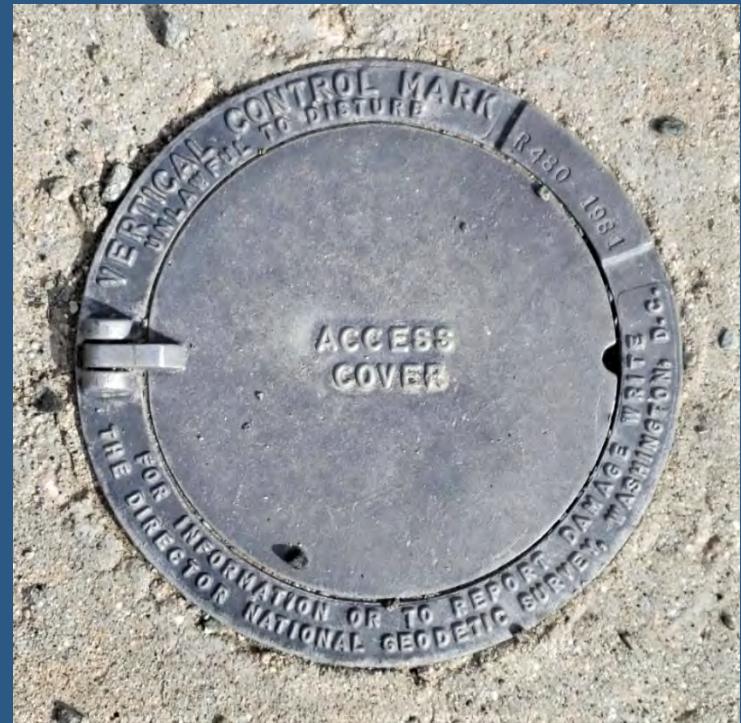
Sometimes inside of
Manhole Covers

Ref. 7

Rod Marks set in metal casing and concrete



DF7999 (HAMPTON) – Boone, NC (GDS)



ET0761 (R 480) – La Paz County,
AZ (WAJ)

Rod Marks set in metal casing and concrete

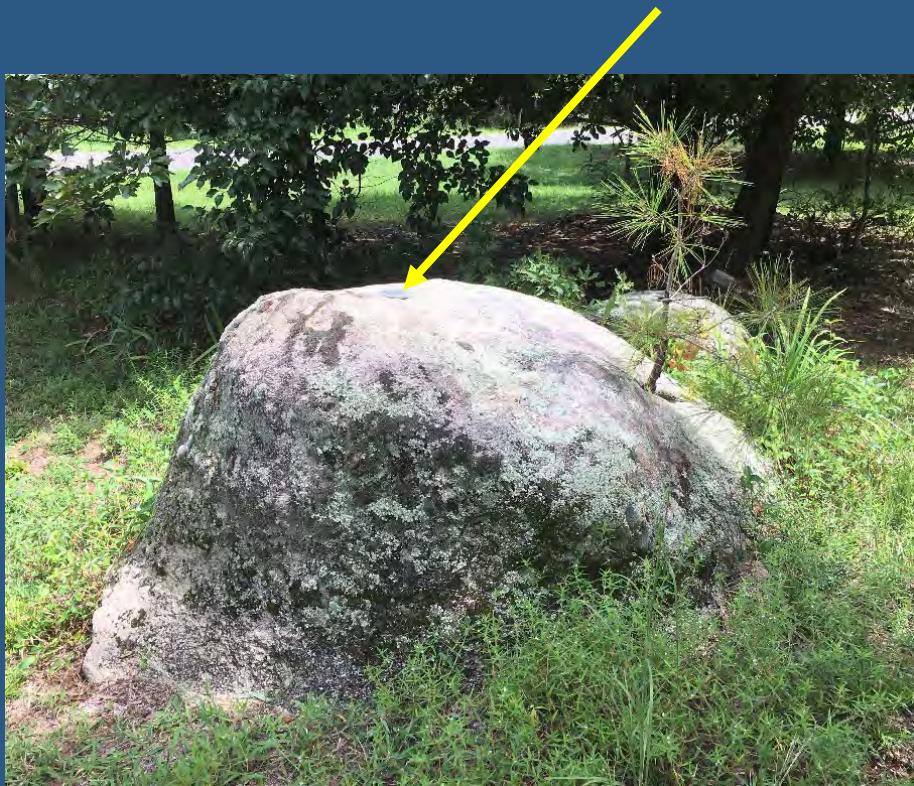


MZ1312 (T 441) – Nassau, NY (DAF)



FW0679 (Y 254) – Southern
Shores, NC (GDS)

Marks set in natural rock outcrops



JM0225 (A 20) – MOAB,
UT (GDS)

EZ2374 (WK 54) – Knightdale, NC (GDS)

Marks set in natural rock outcrops



ES0743 (R 496) – Payson, AZ
(JKS)



HW0805 (G 339) – Broadway, VA (GDS)

Marks set in concrete pillars



QW0399 (3228.72) – Billings, MT (GDS)



FB1570 (BOUNDARY MARKER Q1 B) –
Sylva North, NC (GDS)

Marks set in concrete pillars



QW0066 (A 27) – Nibbe, MT
Monumented 1915 (GDS)



AF8019 (10 MEA) – Bailey, NC
(GDS)

Marks in top of commemorative pillar Monuments

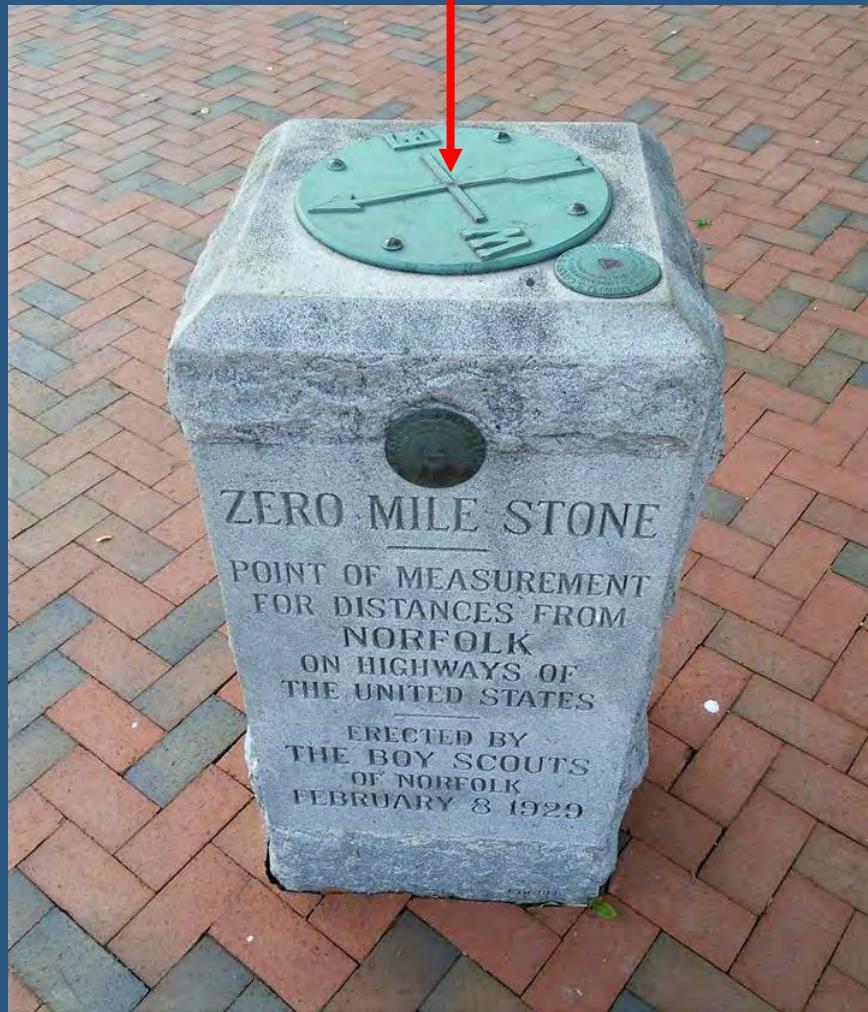
Mark is Plate on top of Monument



AJ2515 (ZERO MILESTONE RESET) – Charleston, WV (TJH)

Marks in top of commemorative pillar monuments

Center of Mark is at Arrow Cross



FX0147 (8 3 BSA) – Norfolk, VA (CAC)

Marks set in sidewalks



AE5231 (GRA 43) – Creedmore, NC (GDS)



DF5351 (GRUBB) – Holly Springs, NC (GDS)



EZ0694 (STATE COLLEGE RM 4)
– NCSU, Raleigh, NC (GDS)

Marks set in a stoops or steps



QW0723 (K 484 RESET) - Yellowstone
County Museum, Billings MT (GDS)



FW0734 (P 261) – Currituck Beach
Light House, Corolla NC (GDS)

Marks set in curbs and curb gutters



AI7031 (GUERIN) - Holly Springs,
NC (GDS)



EZ6562 (KERR) – Raleigh, NC (GDS)



AI7029 (DEVIL) - Holly Springs, NC (GDS)



DG6921 (CEDAR) - Justice, NC (GDS)

Marks set in Traffic Islands



EZ1420 (ISLAND) – Jordan Lake,
NC (GDS)



EY0619 (T 26) - New Bern, NC (GDS)

Marks set in a stone
or masonry walls



HW1894 (V 2) – Elkins, WV (GDS)

Marks set in a stone or masonry walls



HO0208 (H 30) – Cedar City, Utah (GDS)

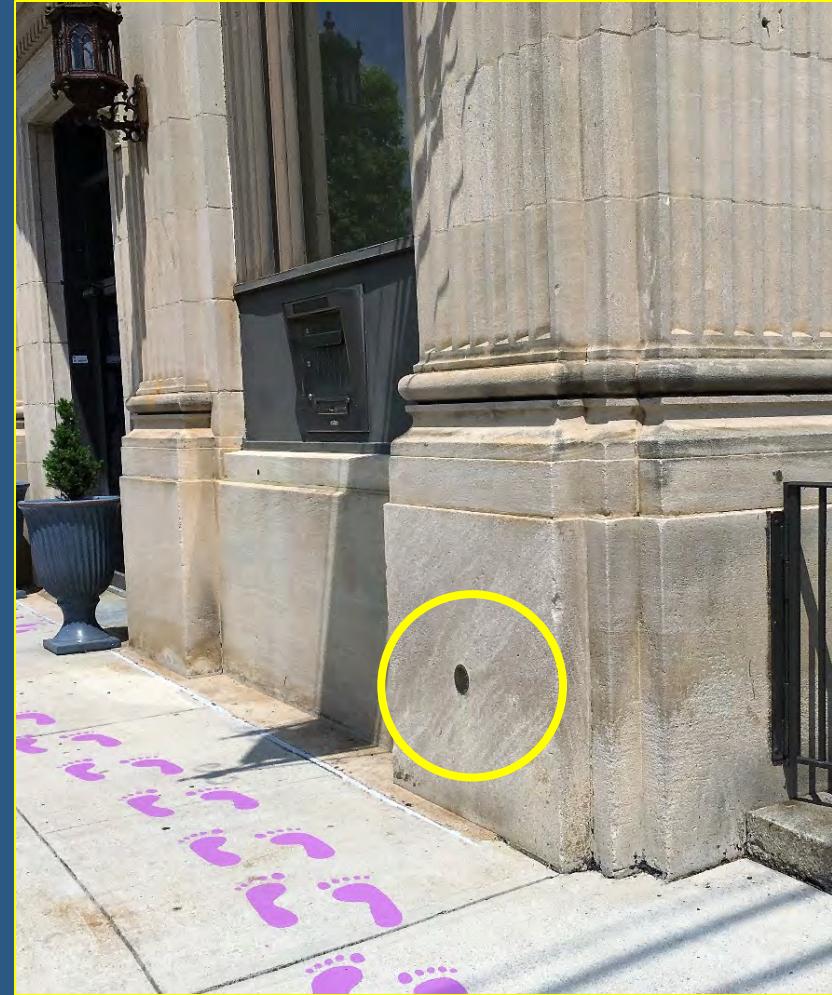


HW0818 (P 339) – James Madison
U. – Harrisonburg, VA (GDS)

Marks set in a stone or masonry walls



FY0917 (Y 4) – Macon, NC (GDS)



EZ0385 (BENSON) – Benson,
NC (GDS)



EY2369 (E 146 AZ MK) – New Bern,
NC (GDS)



CK0605 (Y 72) – Hardeeville,
SC (GDS)

Marks set in a bridge wingwalls / abutments



AH9271 (DAR 16) – Manteo, NC (GDS)



JM0315 (T 19) – Moab, UT (GDS)

Marks set in a bridge railings



DL8483 (CHA 46) – Near Jordan Lake, NC (GDS)

Marks set in **culvert**
headwalls



HO0047 (H 44) – Near Tropic,
UT (GDS)



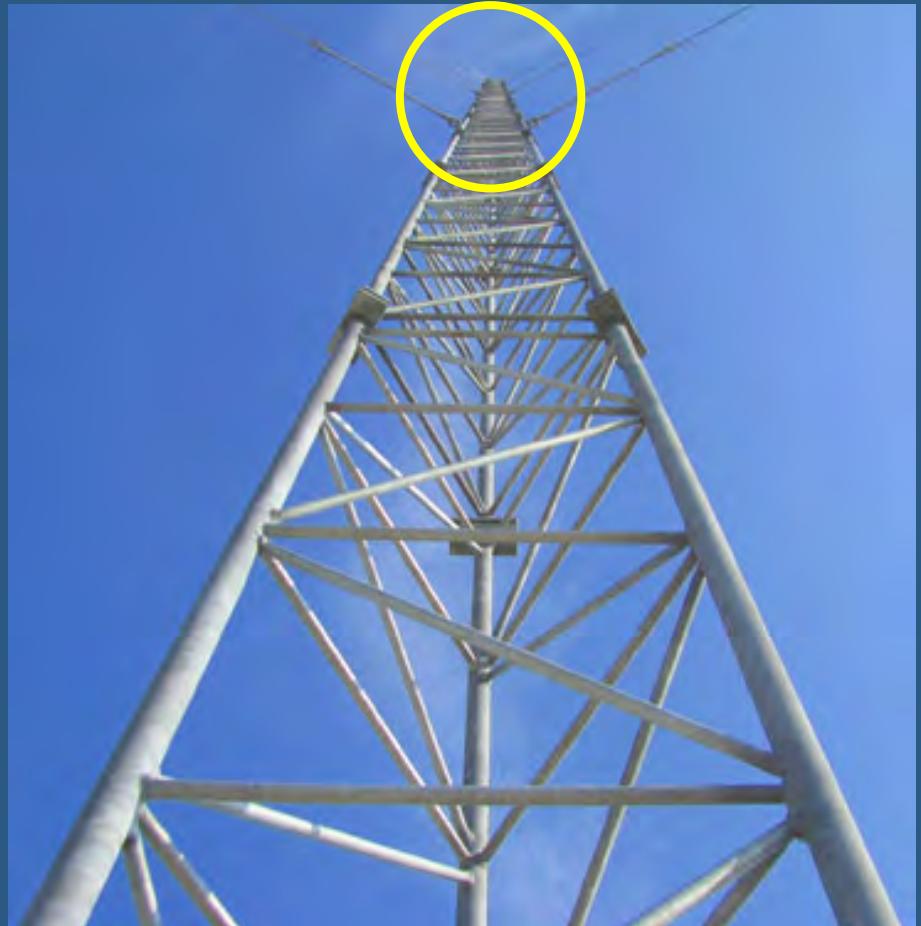
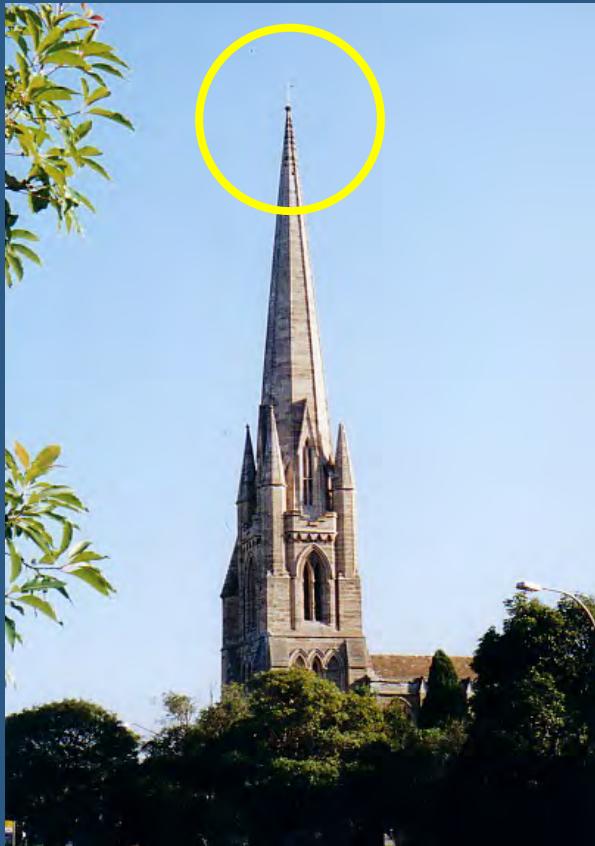
AI0557 (ROB 69) –
Fairmont, NC (GDS)



CK0629 (X 208) – Switzerland, SC (GDS)

Marks set in culvert headwalls

Geographic Marks – top center of Spires and Towers



Note: No USPS Credit Points are awarded for recovering these marks – NGS has low interest in these marks

Geographic Marks - top center of Tanks



Note: No USPS Credit Points are awarded for recovering these marks – NGS has low interest in these marks

CORS Sites – Roof mount and Freestanding.



No USPS Credits awarded for recovering CORS stations.

CORS Sites – Remote with Solar Panel.



No USPS
Credits
awarded for
recovering
CORS stations.

Ref. 7