

SCDOT Standard Drawing
809-105-00, dated 8/7/2023, shall be
used in lieu of Standard Drawing
809-105-00, dated 8/25/2015.

REFERENCES

NATIONAL DOCUMENTS

SCDOT DOCUMENTS
SECTION 702 & 809 STD SPEC
SCDOT SURVEY MANUAL (LATEST ED.)
QPL 16

RELATED DRAWINGS & KEYWORDS
STATE OF SC CODE OF REG. CHAPTER 49, ARTICLE 4 STANDARDS OF PRACTICE MANUAL FOR SURVEYING IN SOUTH CAROLINA

THIS DRAWING IS ONLY VALID FOR CONSTRUCTION WHEN SEALED AND SIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF SOUTH CAROLINA. CHECK WWW.SCDOT.ORG FOR LATEST UPDATE.

NO. 23845

MARK H. ANTHONY

Mark H. Anthony

SIGNATURE

08/07/23

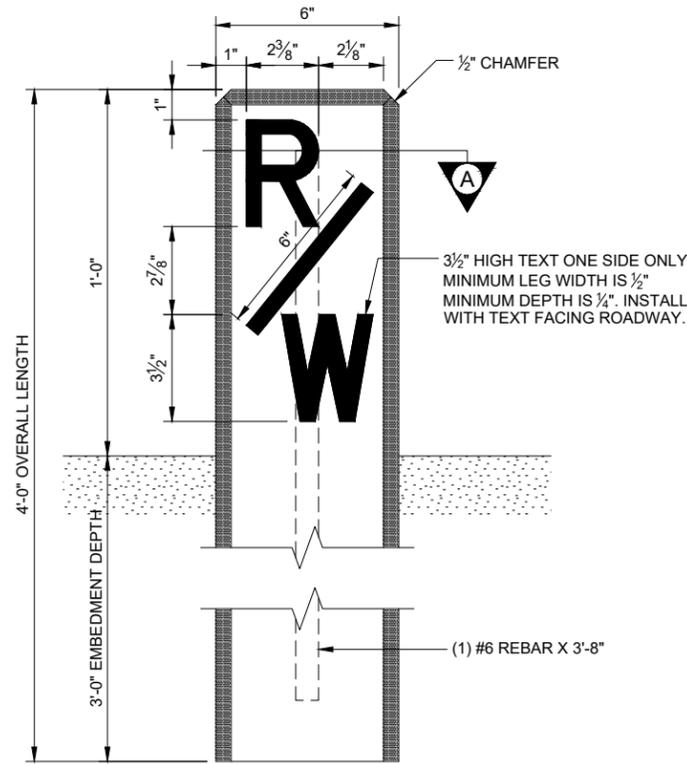
DATE

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5	6/2023	DSO	GENERAL REVISIONS
4	1/2016	HJC	DEL NOTE 1.2, GEN
3	8/2012	KNB	NOTE 2, DET 2 & 4
2	11/2010	JWK	DEL 5 ADD PAY ITEM
1	4/2010	DSO	GENERAL REVISIONS
0	3/2008	DSO	GENERAL REVISIONS
#	DATE	CHK	DESCRIPTION

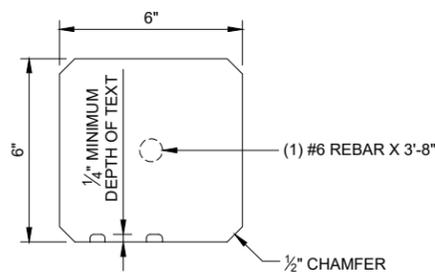
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
DESIGN STANDARDS OFFICE
955 PARK STREET
ROOM 405
COLUMBIA, SC 29201

STANDARD DRAWING
RIGHT-OF-WAY
PLAT
CONCRETE POST
&
REBAR CAP
MARKER

809-105-00
EFFECTIVE LETTING DATE | JANUARY, 2024



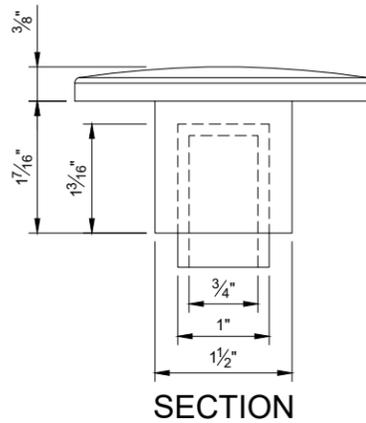
DETAIL 2
SCALE: 2" = 1'-0"
R/W MARKER
CONCRETE POST STYLE
ELEVATION



SECTION A
SCALE: 2" = 1'-0"
R/W MARKER
CONCRETE POST STYLE

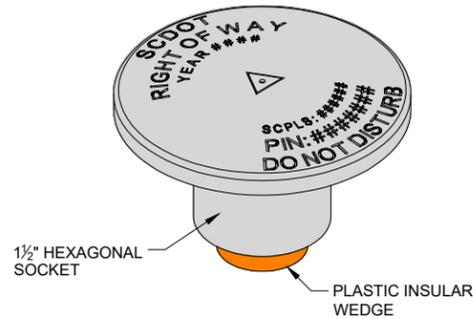


PLAN



SECTION

DETAIL 3
SCALE: 1:2
R/W MARKER REBAR CAP



DETAIL 4
NO SCALE
R/W MARKER REBAR CAP
ISOMETRIC

- 1.1 THE CONTRACTOR SHALL PREPARE A RIGHT-OF-WAY PLAT SIGNED AND SEALED BY THE SOUTH CAROLINA PROFESSIONAL LAND SURVEYOR IN CHARGE. THE PLAT WILL DOCUMENT THE LOCATIONS OF ALL RIGHT-OF-WAY MARKERS THAT HAVE BEEN SET AND REFLECTING THE AS-BUILT STATION AND OFFSET FROM THE PLAN CONSTRUCTION CENTERLINE. EACH PLAT SHALL BE IN ACCORDANCE WITH BOTH THE REQUIREMENTS OF SC CODE OF LAW SECTION 49-460-A GENERAL PROPERTY SURVEYS AS OUTLINED IN THE STANDARDS OF PRACTICE MANUAL FOR SURVEYING IN SOUTH CAROLINA AND MEET THE ADDITIONAL REQUIREMENTS LISTED IN THE SCDOT PRECONSTRUCTION SURVEY MANUAL SECTION 4.16.02 (LATEST EDITION).
- 2.1 PLACE RIGHT-OF-WAY MARKERS ACCURATELY:
 - ON NEW RIGHT-OF-WAY ONLY
 - AT ALL GROUND ACCESSIBLE POINTS ALONG THE NEW RIGHT-OF-WAY LINE AS SHOWN IN DETAIL 1
 - AT ALL BREAK POINTS IN RIGHT-OF-WAY LINE(S)
 - AT POINT OF CURVATURE (PC) AND POINT OF TANGENCY (PT)
 - AT INTERVALS NO FURTHER THAN THE SPACING SHOWN IN DETAIL 1
 - AT ALL POINTS WHICH MAINTAIN FORWARD AND BACK LINE OF SIGHT
- 2.2 INSTALL CONCRETE POST MARKERS ON INTERSTATE AND CONTROLLED ACCESS ROUTES. INSTALL REBAR AND CAP MARKERS ON ALL OTHER ROUTES. WHEN A RIGHT-OF-WAY MARKER LOCATION IS INACCESSIBLE AND CANNOT BE SET, A WITNESS OR REFERENCE MARKER SHALL BE SET ON THE RIGHT-OF-WAY LINE WITH THE STATION AND OFFSET NOTED ON THE RIGHT-OF-WAY PLAT.

CONCRETE POST FABRICATION & INSTALLATION

- 3.1 FABRICATE CONCRETE POST MARKERS ON-SITE USING CLASS 4000P CONCRETE WITH ONE #6 REBAR OR OBTAIN FROM A SOURCE LISTED ON QUALIFIED PRODUCT LIST 16.
- 3.2 PLACE 1/2" CHAMFER ON ALL ABOVE GROUND EDGES.
- 3.3 LETTERING MUST BE AT LEAST 1/4" DEEP, 3 1/2" TALL, WITH 1/2" THICK LINES.
- 3.4 IF EXCAVATION OF A 6" HOLE TO SET THE CONCRETE POST IS NOT FEASIBLE DUE TO ASPHALT, CONCRETE OR OTHER SURFACES SITE CONDITIONS, A FERROUS SPIKE IN ASPHALT OR SCRIBE IN CONCRETE IS ACCEPTABLE.
- 3.5 PLUMBED AND EMBEDDED 36" FOR CONCRETE POST MARKERS.

REBAR CAP FABRICATION & INSTALLATION

- 4.1 USE NO. 6 REBAR AND FORGED ALUMINUM DOMED CAP (AS SHOWN IN DETAIL 3) OR AN APPROVED EQUAL.
- 4.2 FOLLOW REBAR AND CAP MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- 4.3 SET MARKER ON A MINIMUM 2' LONG STICK OF #6 REBAR SO THAT TOP OF MARKER IS 1" TO 2" BELOW GROUND SURFACE TO ELIMINATE CONFLICT WITH MOWING AND OTHER MAINTENANCE OPERATIONS, OR FLUSH WITH CONCRETE SURFACE IF EMBEDDED IN CONCRETE.
- 4.4 IF THE REBAR AND CAP IS NOT FEASIBLE DUE TO SITE CONDITIONS, A FERROUS SPIKE IN ASPHALT OR SCRIBE IN CONCRETE IS ACCEPTABLE.

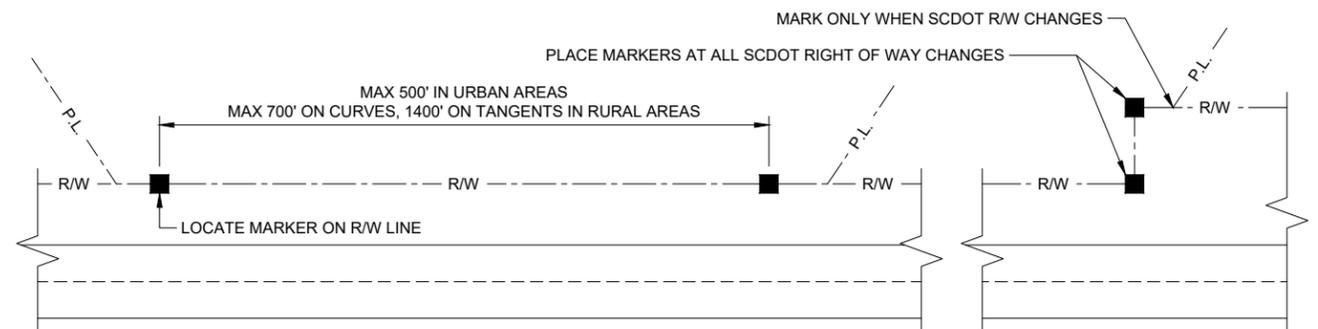
PAY ITEMS:

8091050 RIGHT-OF-WAY PLAT	LS
8091000 RIGHT-OF-WAY MARKER (REINFORCED CONCRETE).....	EA
8091010 RIGHT-OF-WAY MARKER (REBAR & CAP).....	EA

TABLE: 809-105A

3.25" DIAMETER CAP SPECIFICATIONS

ROW	TEXT	# SPACES AROUND PERIMETER	HEIGHT	LOCATION	####
1	SCDOT	46	3/16"	OUTSIDE TOP	
2	RIGHT OF WAY	35	3/16"	MIDDLE TOP	
3	YEAR ####	35	1/8"	INSIDE TOP	YEAR SET
4	SCPLS #####	35	1/8"	INSIDE BOTTOM	REGISTRATION # OF SCPLS
5	PIN: #####	35	3/16"	MIDDLE BOTTOM	PROJECT ID
6	DO NOT DISTURB	46	3/16"	OUTSIDE BOTTOM	



DETAIL 1
SCALE: 1" = 60'-0"
R/W MARKER PLACEMENT