MONUMENTS

Type 1 Monument
Includes Monument Box

3/4" Recess
(Cost Requirement)

Locking Cast Iron Access Cover
With Sump Embossed

Type 1A Monument
Includes Monument Box

Section A-A

Plan View

Flange

Top Flange

Locking Bar (turns, so it can lock under the flanges)

Bolt

Cotter Pin

Type 2 Monument
Includes Monument Box

Type 3 Monument

Type 4 and Type 6 Monument

Type 5 Monument
Aluminum Cap and Type 507
Details Shown on Sheet 2

Surveys
Witness Posts

Standard Plan No.
M-629-1

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Sheet No. 1 of 2

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ALL MONUMENTATION MATERIALS WILL BE FURNISHED BY CDDT. THE MONUMENT TYPE SHALL MEET THE MINIMUM STANDARDS AS DETERMINED BY THE COLORADO STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVIVORS RULES (STATE BOARD RULES). THE CDDT SURVEY COORDINATOR SHALL APPROVE ALL EXCEPTIONS FOR STAMPING MONUMENTS DIFFERING FROM THE STANDARDS.

**TYPE 1 AND TYPE 1A ALUMINUM FINNED ROD MONUMENTS**

This monument shall be used for ROW or MONUMENT MONUMENTS or may be used for an ALUMINUM MONUMENT MONUMENT. When used as an ALUMINUM MONUMENT MONUMENT, INSTALLATION AND RECORD FILING REQUIREMENTS SHALL BE AS STATED FOR TYPE 3 AND TYPE 3A MONUMENTS. MONUMENTS SHALL BE INSTALLED BY ATTACHING THE APPROPRIATE SIZE TO ONE END OF A SECTION OF FINNED ROD, AND A 3 IN. X 3 IN. X 3/4 IN. X 3/4 IN. STAINLESS STEEL ADAPTOR TO THE OTHER END. THE END CAP IS THEN PLACE THE STAINLESS STEEL ADAPTOR FOR THE ROD TO CONTACT. TYPE 1 MONUMENTS SHALL BE USED TO MARK A MINIMUM 2 FT. SECTION OF FINNED ROD. WHEN SURFACE/ROCK OR CONCRETE IS ENCOUNTERED LESS THAN 3 FT. BELOW THE GROUND SURFACE, THE ROD SHALL BE EMBEDDED AT LEAST 1 FT, AND COMMISSIONED AT LEAST 3 FT. EMBRACE TO ACCELERATE THE CONSUMPTION.

When unstable soil conditions are encountered, additional sections of rod shall be added to achieve stability. HORIZONTAL AND VERTICAL STABILITY ARE REQUIRED. MONUMENT INSTALLATION IS REQUIRED TO EMBRACE THE INSTALLATION. A CEMENTED CAST IRON COVER CAP SHALL BE INSTALLED WHEN THE MONUMENT IS LOCATED IN THE ROADWAY PAVEMENT.

**TYPE 2 AND TYPE 2A ALUMINUM FINNED ROD MONUMENTS**

This monument shall be used for horizontal and vertical control. WHEN UNTABLE SOIL CONDITIONS ARE ENCOUNTERED, ADDITIONAL SECtions OF ROD SHALL BE ADDED TO ACHIEVE STABILITY. HORIZONTAL AND VERTICAL STABILITY ARE REQUIRED. MONUMENT INSTALLATION IS REQUIRED TO EMBRACE THE INSTALLATION. A CEMENTED CAST IRON COVER CAP SHALL BE INSTALLED WHEN THE MONUMENT IS LOCATED IN THE ROADWAY PAVEMENT.

**TYPE 3 AND TYPE 3A ALUMINUM PIPE MONUMENTS**

This monument shall be used for an ALUMINUM MONUMENT MONUMENT. INSTALLATION OF THIS MONUMENT AND RECORD FILING SHALL BE IN ACCORDANCE WITH THE STAT BOARD RULES. ALSO REFER TO THE CDDT SURVEY MANUAL AND THE SURVEY MONUMENT REQUIREMENTS FOR MONUMENT INSTALLATION. THE PIPING IS ADDITIONAL REQUIREMENTS AND THE YEAR SHALL BE STAMPED ON THE CAP. TYPE 3A MONUMENT INCLUDES MONUMENT BOX. A CEMENTED CAST IRON COVER CAP SHALL BE INSTALLED WHEN THE MONUMENT IS LOCATED IN THE ROADWAY PAVEMENT.

**TYPE 4 ALUMINUM MONUMENT**

This monument shall be used in lieu of rebar. The entire monument when rebar is in place at an ALUMINUM MONUMENT MONUMENT. INSTALLATION IS REQUIRED TO EMBRACE THE INSTALLATION. A CEMENTED CAST IRON COVER CAP SHALL BE INSTALLED WHEN THE MONUMENT IS LOCATED IN THE ROADWAY PAVEMENT.

**TYPE 5 BRASS/ALUMINUM CAP MONUMENT**

This monument shall be used in lieu of all other cap monuments. WHEN THE POSITION IS LOCATED IN CONCRETE OR ROCK, STABILIZATION IS REQUIRED.

**TYPE 5(S) COPPER ALLOY CAP MONUMENT**

This monument shall be used in lieu of a TYPE 5 MONUMENT. WHEN THE POSITION IS LOCATED IN CONCRETE OR GUTTER. INSTALLATION IS REQUIRED TO EMBRACE THE INSTALLATION. STABILIZATION IS REQUIRED.

**WITNESS POSTS**

The witness post will be supplied by CDDT and installation shall be included in the work. It shall be driven within 1 FT. OF THE MONUMENT WHEN POSSIBLE. A PLASTIC STABILIZATION POST MAY BE USED IN LIEU OF THE PLASTIC POST. THIS POST SHALL CONFORM TO STANDARD 5-612-1. A REQUIRED WITNESS POST MAY BE COMPROMISED WITH THE APPROVAL OF THE ENGINEER OF THE MONUMENT POST LOCATION IS A VIEWABLE AREA, DEFINED ON ACCESS OPENING.