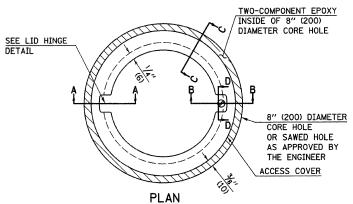
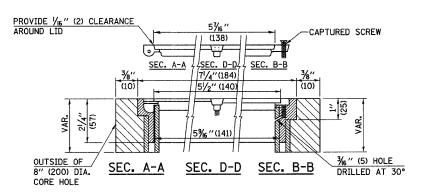
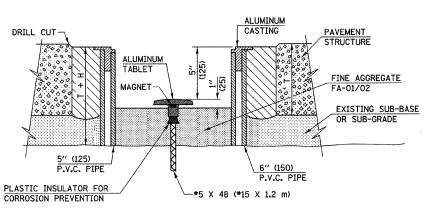
FOR PRE OR SUBS

X0301232 - SURVEY MARKER VAULT

TO BE INSTALLED IN RIGID OR COMPOSITE PAVEMENT FOR PRESERVING LAND SURVEY MONUMENTS (SECTION OR SUBSECTION CORNERS)







RE-BAR-SURVEY MARKER, TYPE I, (SPECIAL) TO BE FURNISHED BY THE CONTRACTOR AND SET BY AN ILLINOIS PROFESSIONAL LAND SURVEYOR (SEE SPECIAL DETAIL SHEET FOR ALUMINUM TABLET AND RE-BAR SPECIFICATIONS).

ELEVATION

 ROUTE ИО.
 SECTION
 COUNTY
 TOTAL SMEETS
 SMEET NO.

 CH 11
 *
 EDGAR
 160
 46

 FED.ROAD DISTANO. 5
 ILLINOIS
 PROJECT

* 05-00092-01-PV

LEGEND

- ALUMINUM CASTING

- 5" (125) OR 6" (150) P.V.C. PIPE

- TWO-COMPONENT EPOXY

T = THICKNESS OF PAVEMENT STRUCTURE

H = THE THICKNESS OF THE SUB-BASE GRANULAR + 1" (25)

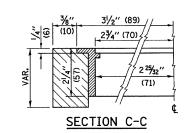
GENERAL NOTES

- 1. ALUMINUM CASTING SHALL BE EITHER PLACED OVER A 5" (125 mm) P.V.C. PIPE OR INSIDE OF A 6" (150 mm) P.V.C. PIPE.
- 2. BACKFILL WITH FINE AGGREGATE FA-01/02.
- WORK SHALL NOT START ON THIS ITEM UNTIL THE FINAL LIFT OF SURFACE HAS BEEN COMPLETED.
- 4. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR SURVEY MARKER VAULT WHICH PRICE SHALL INCLUDE ALL LABOR AND MATERIAL AS SPECIFIED INCLUDING CORING, EPOXY AND FA-01/02 AGGREGATE AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE CASTING SHALL BE ANCHORED IN THE 8" (200 mm) DIAMETER CORE HOLE WITH TWO-COMPONENT EPOXY CONFORMING TO APPLICABLE PORTIONS OF ARTICLE 1025.01 OF THE STANDARD SPECIFICATIONS.
- ALL SURVEY MARKER (VAULTS) SHALL BE PLACED 1/4" (6 mm) ± BELOW THE FINAL SURFACE.
- THE 8" (200 mm) DIAMETER CORE HOLE SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.

BILL OF MATERIAL

ALUMINUM CASTING OF THE DIMENSIONS AND SPECIFICATIONS SHOWN OR OTHER SUBJECT TO ENGINEER'S APPROVAL OF SHOP DRAWINGS, 5" OR 6" (125 mm OR 150 mm) DIAMETER P.V.C. PIPE, SCHEDULE 40, ALUMINUM TABLET, 5/8" X 48" (#15 X 1.2 m) RE-BAR, EPOXY AND FA-01/02 AGGREGATE.

	MISCELLANEOUS DETAILS	
REVISIONS No. DATE INITIALS 1	SHILOH ROAD (CH 11) EDGAR COUNTY, ILLINOIS	DRAWN BY DATE RLK 7/07 CHECKED BY DATE CAS 7/07
3	HOMER L. DECATUR CHICAGO	BOOK NUMBER 469
5 6 7	CHASTAIN & ASSOCIATES, LLP CONSULTING ENGINEERS 184-00397 ROCKFORD (RIS) 489-0050	PROJECT No. 5245
8 9		SHEET No.



SPECIFICATIONS FOR ACCESS COVER FOR USE WITH SURVEY MARKER VAULT(S) AND SURVEY MARKER COVER ASSEMBLY(S): THE ACCESS COVER WILL BE CAST

RIDGES, INSIDE A STANDARD 6" (150 mm) DIAMETER, OR OUTSIDE A STANDARD 5" (125 mm) DIAMETER, SCHEDULE 40 PVC PIPE. THE ACCESS COVER SHALL HAVE

EASILY MACHINE-STAMPED INTO IT. THE ACCESS COVER SHALL INCLUDE A STAINLESS CAPTURED SCREW AND AN OPPOSING RECESSED HINGE ASSEMBLY AS

ITS LOCKING MECHANISM. THE ACCESS COVER SHALL INCORPORATE A SPECIAL

ACCESS HOLE FOR CLEANING AND DRAINAGE, DRILLED AT 30° INSIDE THE RING OF THE ACCESS COVER, TO THE DRILLED AND TAPPED HOLE PROVIDED

FOR THE STAINLESS CAPTURED SCREW. COMPOSITION: ALUMINUM 92-93%;
MAGNESIUM 6.5-7.5%. STRENGTH: YIELD - 19.000-21.000 PSI (131-145 MPa);

TENSILE - 38,000-44,000 PSI (262-303 MPa); ELONGATION - 10-15% IN 2" (50 mm). SPECIFICATIONS: ALLOY 535.0; QQ-A-601Es. NO EXCEPTIONS.

SPECIAL UNIFORM 1" (25 mm) THICK TOP SURFACE TO PERMIT INFORMATION TO BE

FROM A SPECIAL ALUMINUM ALLOY THAT IS COMPARABLE TO BRONZE IN

HARDNESS. THE ACCESS COVER SHALL BE SPECIALLY ENGINEERED AND DESIGNED TO PROVIDE A SNUG FIT, INCORPORATING EQUIDISTANT LOCKING

