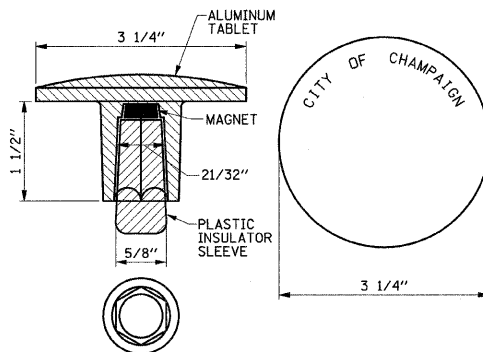


SURVEY MARKER VAULT DETAIL



NOTES:

1. ALUMINUM TABLET SHALL BE SET WITH A 5/8" X 48" REBAR.
2. REFERENCING OF THE EXISTING SURVEY MARKER AND SETTING AND MARKING THE PROPOSED SURVEY MARKER SHALL BE DONE BY AN ILLINOIS PROFESSIONAL LAND SURVEYOR IN ACCORDANCE WITH SECTIONS 667 AND 668 OF THE STANDARD SPECIFICATIONS. DELETE REFERENCE TO BASIS OF PAYMENT.
3. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR PERMANENT SURVEY MARKERS WHICH PRICE SHALL INCLUDE ALL LABOR AND MATERIAL AS SPECIFIED, INCLUDING SETTING AND MARKING THE SURVEY MARKER BY AN ILLINOIS PROFESSIONAL LAND SURVEYOR AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

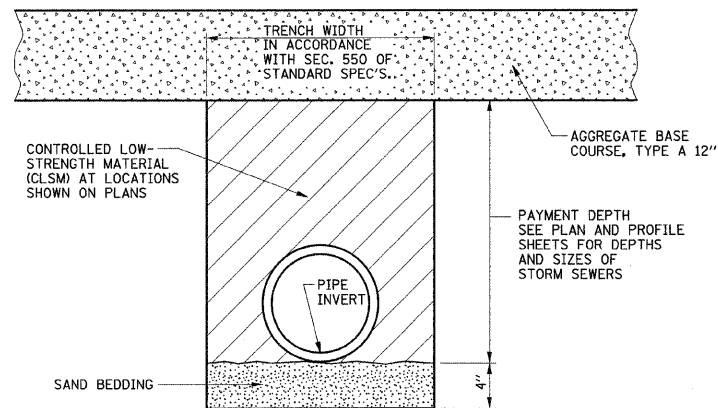
PERMANENT SURVEY MARKER DETAIL

SPECIFICATIONS FOR ALUMINUM TABLET

SURVEY CAP FOR REBAR, 3-1/4-INCH CONVEX SURVEY CAP FOR 5/8-INCH REBAR WITH CITY OF CHAMPAIGN LOGO. THIS LOGO SHALL PROVIDE LETTERS RECESSED INTO THE SURFACE A MINIMUM OF 0.031 (1/32) INCH FOR EASY AND LONG-TERM LEGIBILITY. THE ALUMINUM CAP FOR REBAR SHALL BE PRODUCED BY THE PROCESS OF ORBITAL FORGING TO PRODUCE A HIGH-STRENGTH AND DURABLE MARKER CAP WHICH WILL NOT CHIP OR BREAK AND PROVIDE A SMOOTH FINISH FOR STAMPING OF DATA IN THE FIELD.

THE ALUMINUM CAP FOR REBAR SHALL BE TAPERED FOR A PERFECT COMPRESSION FIT. A SPECIAL PLASTIC INSULATOR SHALL BE INSTALLED TO PREVENT DISSIMILAR METAL CONTACT AND CORROSION. THE PLASTIC INSULATOR SHALL FORM READILY TO THE OUTER SHAPE OF THE REBAR AND TO THE INNER SHAPE OF THE ALUMINUM CAP SOCKET. THE PLASTIC INSULATOR SHALL BE LOW DENSITY POLYETHYLENE, A MINIMUM 1-1/2-INCH LONG AND CONFORM TO FEDERAL SPECIFICATION L-P 390.

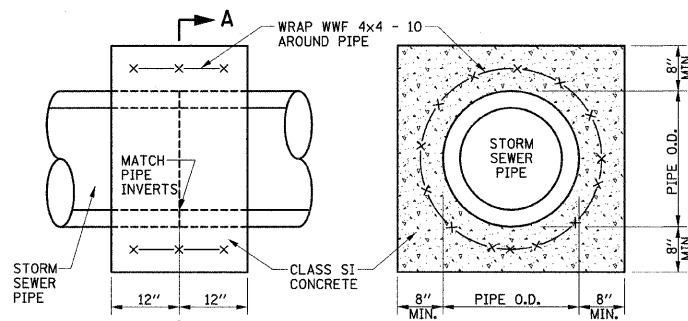
COMPOSITION: ALUMINUM 98.3-98.7%; OTHER 1.3-1.7%.
STRENGTH: YIELD 28 KSI, ULTIMATE 32 KSI.
ELONGATION: 15% (IN TWO INCHES).
SPECIFICATIONS: ALUMINUM ALLOY 6101-O₂ ASTM B317-83 (EXCEPT TEMPER) AS FORGED. NO EXCEPTIONS.



NOTES:

1. THE CLSM SHALL BE PLACED IN LIFTS AS DESCRIBED IN SECTION 593 OF THE STANDARD SPECIFICATIONS.
2. THE APPLICABLE ARTICLES OF SECTION 550 OF THE STANDARD SPECIFICATIONS SHALL APPLY FOR EXCAVATION, BEDDING AND INSTALLATION OF STORM SEWERS.
3. THE SAND BEDDING SHALL BE CONSIDERED INCLUDED IN THE COST OF THE PIPE MATERIAL AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
4. THE CLSM WILL BE PAID FOR IN ACCORDANCE WITH SECTION 593 OF THE STANDARD SPECIFICATIONS FOR CLSM AND INCLUDES PAYMENT FOR THE MATERIAL TO THE TOP OF THE SAND BEDDING AS SHOWN ON THE DETAIL. THE QUANTITIES SHOWN ON THE PLANS ARE BASED ON A DEPTH MEASURED FROM THE TOP OF THE SAND BEDDING TO THE BOTTOM LIMITS OF THE AGGREGATE BASE COURSE.

CONTROLLED LOW-STRENGTH MATERIAL DETAIL

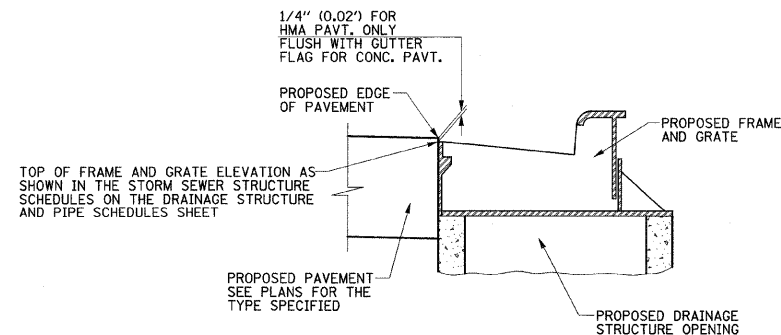


ELEVATION

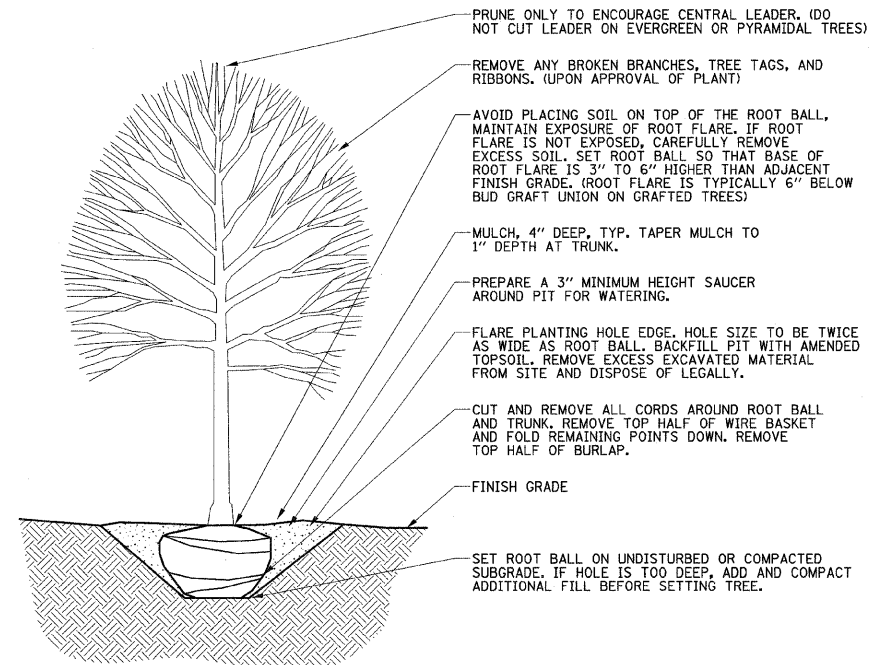
SECTION A-A

NOTE:
THE CONCRETE COLLARS SHALL BE UTILIZED WHERE CONNECTING STORM SEWERS OF DIFFERENT TYPES OR AS DIRECTED BY THE ENGINEER. THE COST OF CONSTRUCTING THE CONCRETE COLLARS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR CONCRETE COLLAR.

CONCRETE COLLAR DETAIL



DRAINAGE STRUCTURE FRAME AND GRATE DETAIL FOR COMBINATION CC&G, TYPE B-6.18



NOTES:

1. CONTRACTOR RESPONSIBLE FOR RESTORATION OF ANY UNAUTHORIZED DISRUPTION OUTSIDE OF DESIGNATED CONSTRUCTION AREA.
2. TREE MULCH RINGS ARE 5' DIAMETER, TYPICAL.
3. DO NOT LOCATE PLANTS WITHIN 10' OF UTILITY STRUCTURES. DO NOT LOCATE PLANTS WITHIN 5' HORIZONTALLY OF UNDERGROUND UTILITY LINES.
4. NO ADDITIONAL PAYMENTS WILL BE MADE FOR MATERIALS REQUIRED TO COMPLETE THE WORK AS SHOWN.

DECIDUOUS TREE PLANTING DETAIL

NOTES:

1. SEE THE STORM SEWER STRUCTURE SCHEDULES ON THE DRAINAGE STRUCTURE AND PIPE SCHEDULES SHEET FOR THE TYPE, LOCATION, AND ELEVATION OF THE FRAMES AND GRATES.
2. THIS DETAIL SHALL BE APPLICABLE FOR PROPOSED FRAMES AND GRATES PLACED WITHIN COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18.
3. THE TOP-OF-FRAME ELEVATIONS SHOWN IN THE STORM SEWER STRUCTURE SCHEDULES ARE THE SAME AS THE EDGE OF PAVEMENT ELEVATIONS FOR P.C. CONCRETE PAVEMENTS AND 0.02' LOWER FOR HOT-MIX ASPHALT PAVEMENTS THAN THE ADJACENT PROPOSED EDGE OF PAVEMENT ELEVATION.

FILE NAME =
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PLOT DATE =
2/6/2009 11:06:02 AM

DESIGNED - R.L.H.
DRAWN - J.L.B.
CHECKED - J.T.P.
DATE - 2-09

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS DETAILS

SCALE : NONE SHEET NO. 35 OF 44 SHEETS STA. TO STA.

| F.A.U. R.T.E. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|----------------|-----------|--------------|-----------|
| 7170 | 08-00277-00-PV | CHAMPAIGN | 44 | 35 |
| CONTRACT NO. 91397 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HD-5181 (044) | | | | |