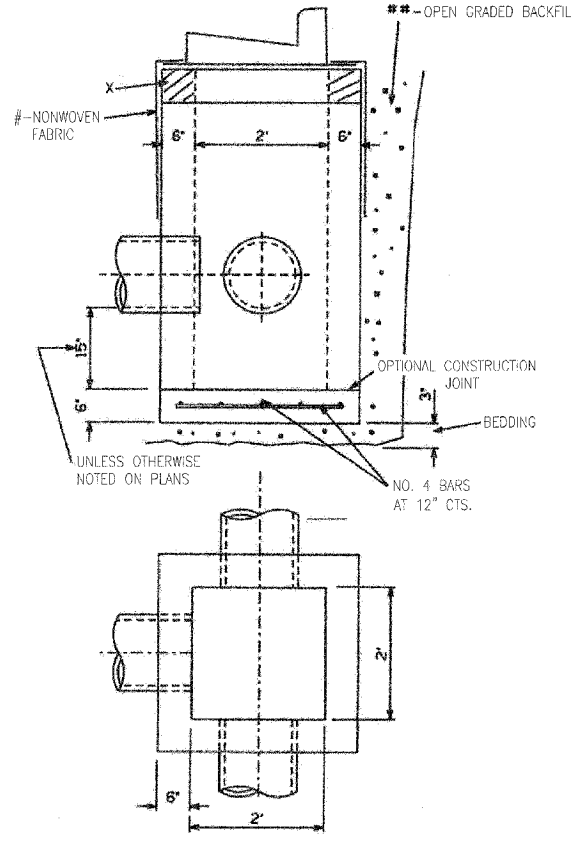


F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5345	04-00166-00-BR	DEKALB	39	14
STA. 14+00		TO STA. 23+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 87339				



STANDARD DETAIL FOR CATCH BASIN SPECIAL  
CITY OF DEKALB  
STORM SEWER STANDARD SS-203

THE HEIGHT OF THE BOX MAY BE CONSTRUCTED 6" SHORT TO ALLOW FOR FIELD ADJUSTMENTS.

THE WALL ADJUSTMENT SHALL BE MADE WITH SQUARE ADJUSTMENT RINGS HAVING THE SAME DIMENSIONS AS THE STRUCTURE.

THE INLET SHALL BE CAST-IN-PLACE OR PRECAST.

THE TOP OF THE STRUCTURE SHALL BE WRAPPED WITH A CONTINUOUS NONWOVEN FABRIC MADE UP OF POLYPROPYLENE FIBERS (ADS 4420). THE FABRIC SHALL OVERLAP THE LIP OF THE FRAME BY 6" AND EXTEND DOWNWARD 30 INCHES BELOW THE BOTTOM OF THE FRAME.

CLASS SI CONCRETE OR PRECAST CONCRETE SHALL BE USED THROUGHOUT

THE SIDE WALLS MAY BE BUILT AS PRECAST SEGMENTED SECTIONS.

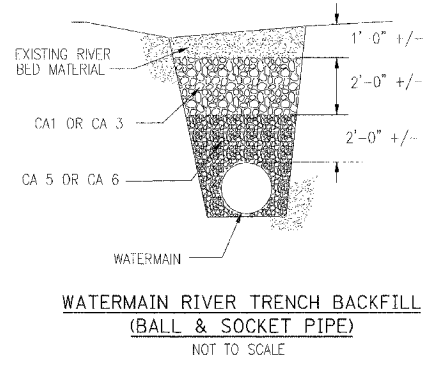
THE ONLY BEDDING AND BACKFILL MATERIAL THAT WILL BE ALLOWED IS 3/8" OR 5/8" CHIPS OR WASHED CONCRETE STONE. THE STRUCTURE SHALL BE BACKFILLED TO THE HEIGHT OF 2" BELOW THE BOTTOM OF THE CASTINGS FLANGE.

ALL VOIDS AROUND THE PIPE ENTRANCE SHALL BE SEALED WITH MORTAR BOTH INSIDE AND OUTSIDE.

EXCEPT AS NOTED HEREIN, CATCH BASIN SPECIAL SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 602 OF THE STANDARD SPECIFICATIONS OMITTING ARTICLES 602.05 AND 602.06.

STEPS SHALL BE OMITTED WHEN THE DEPTH OF THE INLET IS LESS THAN 5 FT.

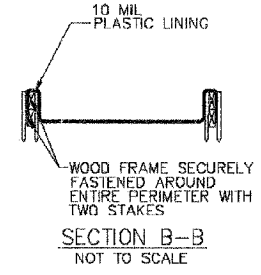
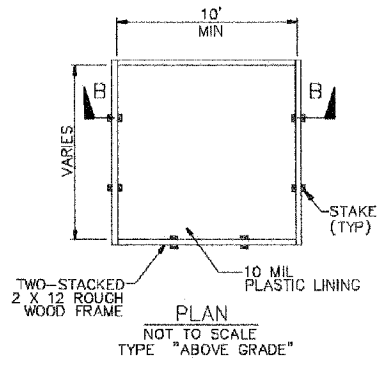
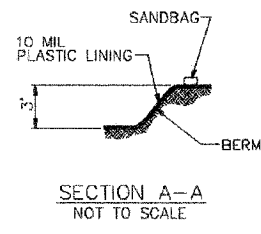
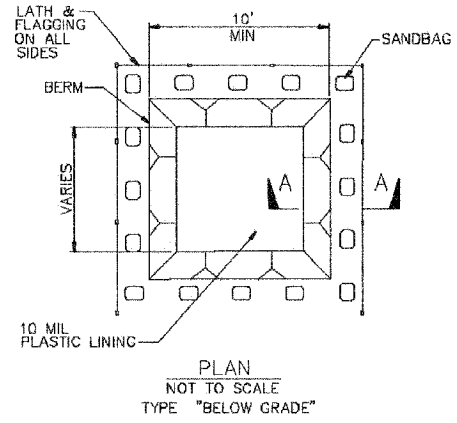
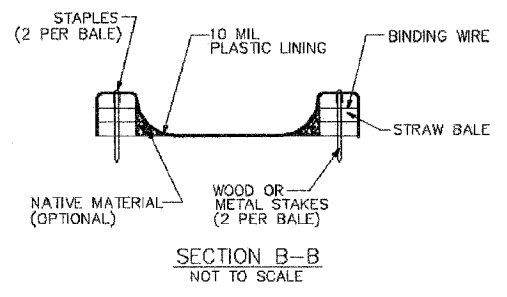
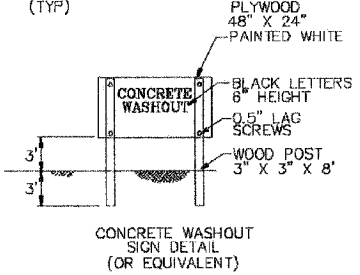
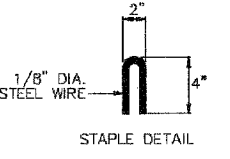
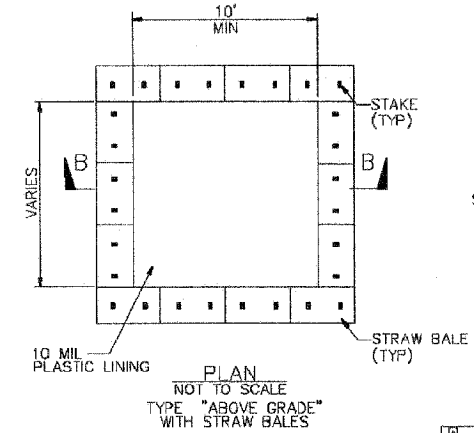
HOLES SHALL BE MADE FOR UNDERDRAINS AND/OR SUMP LINES PER PLAN LOCATIONS DURING PRECAST PROCESS.



WATERMAIN RIVER TRENCH BACKFILL  
(BALL & SOCKET PIPE)  
NOT TO SCALE

WATERMAIN GENERAL NOTES

- FIRE HYDRANT ASSEMBLY SHALL BE MUELLER CENTURION HYDRANT OR WATEROUS WB-100 6" TRENCH DEPTH, WITH 6" MECHANICAL JOINT SHOE, 1/2" PENTAGON OPERATING NUT, OPEN LEFT, WITH ONE 4" NST PUMPER NOZZLE, AND TWO 2-1/2" HOSE NOZZLES, AND PAINTED RED.
- VALVE BOXES SHALL BE 664 S CAST IRON, TWO-PIECE WITH 6" STABILIZER WITH LID MARKED "WATER".
- WATERMAIN SHALL BE CL 52 WITH MECHANICAL JOINTS AS INDICATED ON THE PLAN.
- BALL AND SOCKET RIVER PIPE SHALL BE CL55 FOR 12" DIA. AND CL56 FOR 16" DIA.
- ALL FITTINGS MUST BE COMPACT DUCTILE IRON MECHANICAL JOINT FITTINGS, AMERICAN MADE, AND CONFORMING TO AWWA C-153.
- ALL WATERMAIN PIPE SHALL BE CEMENT LINED IN CONFORMANCE TO AWWA C104.
- THRUST BLOCKS SHALL BE SOLID PRECAST BLOCKS WITH A NOMINAL DIMENSION OF 6"x8"x16".
- CONTRACTOR SHALL PREPARE AND SUPPLY A RECORD DRAWING OF THE WATERMAIN INSTALLATION FOR THE WATERMAIN WORK WHEN COMPLETED.
- THE WATERMAIN SHALL BE PRESSURE TESTED ACCORDING TO AWWA C600 PRIOR TO CONNECTING EITHER END TO THE EXISTING WATERMAIN.
- THE WATERMAIN SHALL BE DISINFECTED ACCORDING TO AWWA C651, CONTINUOUS FEED METHOD.
- THE CONTRACTOR SHALL REPAIR ALL LEAKS AT HIS EXPENSE. IF REQUIRED, THE CONTRACTOR SHALL FURTHER DISINFECT THE WATER MAIN AND PROVIDE FURTHER TESTING AT HIS EXPENSE.
- SEQUENCE FOR WATERMAIN RELOCATION:
  - CONSTRUCT DIP RIVER CROSSINGS IN SOUTH BRANCH OF THE KISHWAUKEE RIVER.
  - INSTALL TEMPORARY MECHANICAL PLUGS AND TEMPORARY THRUST BLOCKS. PRESSURE TEST WATERMANS.
  - UPON COMPLETION OF SUCCESSFUL PRESSURE TESTS, REMOVE PRESSURE FROM WATERMANS.
  - COORDINATE CLOSING THE EXISTING WATERMAIN WITH THE CITY OF DEKALB. THE CITY OF DEKALB SHALL AUTHORIZE THE CONNECTION OF THE NEW WATERMANS TO THE EXISTING WATERMANS.
  - THE CITY OF DEKALB WILL FLUSH THE WATERMANS AND COLLECT WATER SAMPLES FOR BACTERIOLOGICAL TESTING. WATERMANS SHALL NOT BE PUT INTO SERVICE UNTIL THE CITY OF DEKALB AUTHORIZES OPENING THE GATE VALVES.
  - CONTRACTOR MAY REMOVE EXISTING WATERMANS AT ANY TIME ONCE VALVES HAVE BEEN CLOSED AND THE LINE IS DEPRESSURIZED.



- NOTES
- ACTUAL LAYOUT DETERMINED IN FIELD.
  - THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FT. OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
SECTION 04-00166-00-BR  
DEKALB COUNTY  
FAIRVIEW DRIVE BRIDGE  
WATERMAIN NOTES  
AND MISC. DETAILS  
SCALE: AS SHOWN  
DATE 11/05/07  
DRAWN BY MWH  
CHECKED BY CPS

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