

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1517	03-00247-00-BR	KANE	121	118
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS HIGHWAY PROJECT		
CONTRACT #: 83867				

### SILT FENCE PLAN

**ELEVATION**

**FABRIC ANCHOR DETAIL**

**NOTES:**

- Temporary sediment fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
- Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1 or 2, Class I with equivalent opening size of at least 30 for nonwoven and 50 for woven.
- Fence posts shall be either standard steel post or wood post with a minimum cross-sectional area of 3.0 sq. in.

REFERENCE Project	DATE	DESIGNED	DATE	CHECKED	DATE	APPROVED	DATE
STANDARD DWG. NO.	1L-620	SHEET	1 OF 2	DATE	11-20-01		

### SILT FENCE

**ATTACHING TWO SILT FENCES**

**NOTES:**

- Place the end post of the second fence inside the end post of the first fence.
- Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.
- Drive both posts a minimum of 18 inches into the ground and bury the flap.

REFERENCE Project	DATE	DESIGNED	DATE	CHECKED	DATE	APPROVED	DATE
STANDARD DWG. NO.	1L-620(W)	SHEET	2 OF 2	DATE	1-29-99		

### THRUST BLOCKING

**NOTES:**

- MONOLITHIC CONCRETE THRUST BLOCKING PLACED AGAINST UNDISTURBED VERTICAL EARTH FACE.
- WATER MAIN SIZE AS SHOWN ON PLANS.
- JOINTS TO BE ACCESSIBLE FOR REPAIRS.
- BLOCKING SHALL BE APPLIED FOR ALL TEES, PLUGS, CAPS, & BENDS OF 1 1/4" OR GREATER DEFLECTION.
- BLOCKING TO BE A MIN. OF 12" THICK.

REVISIONS	DATE	BY	SCALE	CHECKED	DATE	DRAWING NUMBER	
			NOT TO SCALE		1/04	EXHIBIT III-C-3	

**ELEVATION - ECCENTRIC**

**ELEVATION - CONCENTRIC**

ALTERNATE MATERIALS FOR WALLS	D	C	T (min.)
Concrete Masonry Unit	5'-0"	3'-9"	5"
Brick Masonry	5'-0"	3'-9"	8"
Precast Reinforced Concrete Section	5'-0"	3'-9"	5"
Cast-in-place Concrete	5'-0"	3'-9"	6"

**GENERAL NOTES**

- See Standard 602701 for details of steps.
- Dimension "C" for Precast Reinforced Concrete Sections may vary from the dimension given to plus 6".
- See Standard 602601 for Optional Precast Reinforced Concrete Flat Slab Top.
- All dimensions are in millimeters (inches) unless otherwise shown.

**ALTERNATE BOTTOM SLAB**

**MANHOLE TYPE A SPECIAL 5' DIA. TYPE 1 FRAME, CLOSED LID**

**NOTES:**

- INSTALLATION OF TEMPORARY DITCH CHECKS, ROLLED EXCELSIOR SHALL CONFORM TO SECTION 290 OF THE IDOT STANDARD SPECIFICATIONS.
- RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL.
- WOOD STAKES SHALL BE A MINIMUM OF 1" SQUARE.
- METAL STAKES SHALL BE A MINIMUM OF 1" DIA.
- STAKES SHALL BE A MINIMUM OF 48" LONG.

**TEMPORARY DITCH CHECKS ROLLED EXCELSIOR NOT TO SCALE**

### TYPICAL VALVE BOX

**NOTE:** ALL NUTS, BOLTS, & THREADED RODS SHALL BE STAINLESS STEEL.

REVISIONS	DATE	BY	SCALE	CHECKED	DATE	DRAWING NUMBER
			NOT TO SCALE		1/04	EXHIBIT III-C-5

### HYDRANT INSTALLATION

**NOTES:**

- THE PUMPER NOZZLE SHALL BE BETWEEN 2 FT. TO 3 FT. FROM B.O.C.
- HYDRANT TO BE WATEROUS PACER, MODEL WB-67 CONFORMING TO A.W.W. SPECIFICATIONS, OR APPROVED EQUAL.
- HYDRANT TO HAVE A TRAP BREAKAWAY FLANGE.
- SEE TYPICAL VALVE BOX DETAIL FOR VALVE SPECS.
- THE HYDRANT SHALL HAVE 5ft.-6in. DEPTH OF COVER.
- 3/4" OPEN GRADED STONE, WRAPPED IN DRAINAGE FABRIC TO SURROUND HYD. INSTALLATION.
- PROVIDE POURED IN PLACE CONCRETE THRUST BLOCKING AGAINST UNDISTURBED EARTH.

REVISIONS	DATE	BY	SCALE	CHECKED	DATE	DRAWING NUMBER
	9/02	NM, redrawn	NOT TO SCALE		9/02	EXHIBIT III-C-7
	1/04	SAZ, redrawn	NOT TO SCALE			

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 ILLINOIS PROFESSIONAL DESIGN FIRM # 184-000108

**ILLINOIS DEPARTMENT OF TRANSPORTATION**

**CITY OF AURORA**  
 ILLINOIS AVENUE OVER THE FOX RIVER  
 STANDARD CONSTRUCTION DETAILS

SCALE: "NTS" DRAWN BY: W.J.H.  
 DATE: 07-28-2006 CHECKED BY: J.L.P.

PLOT FILE: STANDARD COMP. FILE: 050181-6006.dwg