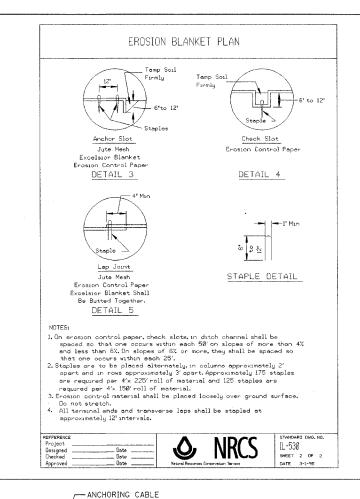
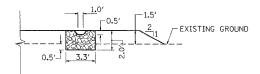


8 (5/16") BALLAST CHAIN-



STA. TO STA. FED. ROAD DIST, NO. ILLINOIS FED. AID PROJECT • 02-11106-01-BR CONTRACT NO. 83949 EXCAVATED STORAGE AREA -EARTH DIKE

SECTION A-A



SECTION

-EXISTING GROUND

COUNTY

WILL

64

SECTION B-B -FILTER FABRIC -EXISTING GROUND - DESIGN BOTTOM SECTION C-C

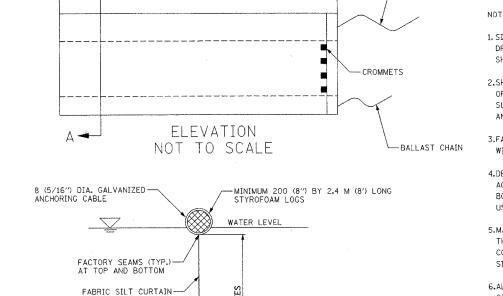
NOTES:

CLASS 3 RIPRAP STONE OUTLET

2.0' TOP OF EARTH DIKE

PLAN VIEW

- ANY DEWATERING OF THE CONSTRUCTION AREA SHALL BE FILTERED THROUGH A DEWATERING BASIN PRIOR TO ENTERING THE WATERWAY.
- 2. PUMPING INTO THESE BASINS SHALL CEASE WHEN THE EFFLUENT FROM THE BASIN BECOMES SEDIMENT LADEN, THE BASIN MAY BE BYPASSED IF THE WATER BEING PUMPED IS NON SEDIMENT LADEN AND THERE IS A STABILIZED OUTFALL. SURFACE FLOWS SHALL BE DIVERTED AROUND THE DEVICE.
- 3. THE DEWATERING BASIN SHALL BE EXCAVATED TO A MINIMUM DEPTH OF 3 FT WITH A FLAT BOTTOM.
- 4. ONCE THE DEWATERING BASIN BECOMES FILLED TO $\frac{1}{2}$ OF THE EXCAVATED DEPTH, ACCUMULATED SEDIMENT SHALL BE REMOVED.
- 5. THE OUTFALL FROM THE BASIN(S) SHALL HAVE A STABILIZED CONVEYANCE TO RECEIVING WATERS.
- 6. THE MINIMUM VOLUME OF THE CONSTRUCTION DEWATERING DISCHARGE BASIN (DEAD VOLUME) SHALL BE CALCULATED AS: DEWATERING PUMP CAPACITY IN GAL/MINUTE X 16 = REQUIRED VOLUME IN CUBIC FEET
- 7. DEWATERING BASINS SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT LUMP SUM BID PRICE FOR "UNDERWATER STRUCTURE EXCAVATION PROTECTION,"



SECTION A-A

NOT TO SCALE

NOTES:

- 1. STUT CURTAIN SHALL BE ANCHORED TO PREVENT DRIFT SHOREWARD OR DOWNSTREAM. ANCHORAGES SHALL BE INSTALLED ON BOTH SHORE AND STREAM SIDE.
- 2.SHORE ANCHORS SHLL CONSIST OF A POST WITH DEADMAN OR APPROVED EQUAL. STREAM ANCHORS SHALL BE SUFFICIENT SIZE TO STABILIZE THE BARRIER WITH NUMBER AND SPACING DEPENDANT ON CURRENT VELOCITIES.
- 3.FABRIC SECTIONS SHALL BE CONNECTED END TO END WITH MINIMUM 8 (5/16") DIAMETER POLYPROPYLENE ROPE.
- 4.DESIGN OF CURTAIN AND ANCHORAGE SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. BOTTOM OF BOOM SHALL REACH BOTTOM OF WATERWAY USING ONE OR TWO VERTICAL SECTIONS AS REQUIRED.
- 5.MAINTENANCE SHALL BE PREFORMED AS NEEDED. THE CONTRACTOR SHALL REMOVE THE BOOM AT COMPLETION OF WORK IN A MANNER THAT WILL PREVENT SILTATION OF THE WATERWAY.
- 6.ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
- APPLICATION: SILT CURTAIN TO BE USED TO CONTROL SILT AND DEBRIS WHEN WORKING IN WATERWAYS.

SEDIMENT CONTROL, SILT CURTAIN DETAIL

DEWATERING BASINS

STANDARD SYMBOL



REVISIONS DATE		TR216A HIGH ROAD OVER LONG RUN CREEK SECTION 02-11106-01-BR EROSION AND SEDIMENT CONTROL DETAIL		
		DATE:	9-07-2007	CHECKED BY: ACL
			TENG	TENG & ASSOCIATES, INC. ENGINEERSARCHTEUTSPLANNERS

LOCKPORT TOWNSHIP HIGHWAY DEPARTMENT