



**TYPICAL BENCHING DETAIL  
FOR EMBANKMENT**

**NOTES:**

- ① CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
- ② EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
- ③ BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
- ④ TRIM TO FINAL SLOPE.
- ⑤ EQUAL 200 (8-INCH) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.
- ⑥ EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE INCLUDED IN THE COST FOR "REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL".
- ⑦ SLOPE SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 4:1 AND THE HEIGHT IS GREATER THAN 5'.

COMPANY NAME: SEC GROUP, INC.  
 PROJECT CONTACT: Robert G. Davies  
 CLIENT: City of Harvard  
 DATE PLOTTED: 8/16/2010 8:55:28 AM  
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PLOT DATE = 8/16/2010	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**AYER STREET OVER MOKELER CREEK  
BENCHING DETAIL**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0005	06-00057-00-BR	McHENRY	22	20
CONTRACT NO.			63508	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
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