

## PIER TEMPORARY SOIL RETENTION

## 61'-0" Temporary Soil Retention System -Ground surface/ top of soil retention system Elev. 620.00 — - Existing slope wall נט כז∐ Maximum excavation line — Prop. MSE Wa∏ at South Abut. Overexcavation beyond structure excavation. This area not measured for payment. 1.5 Backfill overexcavation with same material used for select fill used in MSE wall. - Elev. 597.50 Theoretical Top of Proposed Leveling Exposed surface area \*18′-6" 2'-0"

A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.

\*Limits of Temporary MSE Wall based on the length of 0.70x"H" for permanent MSE Wall. To be verified with MSE Wall supplier shop drawings.

## MSE WALL TEMPORARY SOIL RETENTION

ITEM	UNIT	TOTAL
Temporary Soil Retention System	Sq. Ft.	2344

BILL OF MATERIAL

3	benesch
	engineers · scientists · planners

Alfred Benesch & Company 205 North Michigan Avenue, Suite 2400 Chicago, Illinois 60601

engineers · scientists · planners 312-565-0450 Job No. 10093						
FILE NAME =	USER NAME = ksnider	DESIGNED -	DMS/SLV	REVISED -		
		CHECKED -	KWS	REVISED -		
0161510_60W77_005_Temp_Soil_Ret_Dtls.dgn	PLOT SCALE =	DRAWN -	DMS/SLV	REVISED -		
	PLOT DATE = 6/23/2014	CHECKED -	KWS	REVISED -		

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

TEMPORARY	SOIL	RETE	NTION	N SYST	EM	
STRU	CTURI	E NO.	016–1	510		
CHEET	NO C	45 OF	C 1 / 1 3	CHEETC		

ILLINOIS FED. AID PROJECT						
CONTRACT NO. 60W77						
373	(0707-608&611)HB-B	COOK	177	70		
A.P. TE.	SECTION	COUNTY	SHEETS	SHEET NO.		