



APPROXIMATE CORE-OUT CORNER POINTS					
SOUTH END			NORTH END		
CORNER	STATION	OFFSET	CORNER	STATION	OFFSET
A1	1307+79.0	Lt. 22.0	B1	1308+95.2	Lt. 22.0
A2	1308+24.0	Lt. 31.6	B2	1309+03.2	Lt. 31.7
A3	1308+35.0	Lt. 22.0	B3	1309+43.3	Lt. 22.0
A4	1307+79.0	Rt. 22.0	B4	1308+95.2	Rt. 22.0
A5	1308+24.0	Rt. 33.1	B5	1309+03.2	Rt. 29.0
A6	1308+35.0	Rt. 22.0	B6	1309+43.3	Rt. 22.0

FROM STATION 1307+79.0 TO 1308+24.0 AND FROM STATION 1309+03.2 TO 1309+43.3, DO CORE-OUT DOWN TO ELEVATION 880.0 AS SHOWN ON THIS SHEET. SLOPE SIDES OF CORE-OUT AREA AS DEPICTED ABOVE. INSTALL POLYMER GRID (STANDARD SPECIFICATIONS SERIES 2009) ON THE NORTH AND SOUTH SIDES OF EACH CORE-OUT, AND BACKFILL TO NATURAL GROUND WITH SPECIAL BACKFILL. EXCAVATED SOIL TO BE WASTED OR USED AS SLOPE DRESSING.

THIS SHEET IS INCLUDED TO SHOW SOIL INFORMATION. DETAILS AND NOTES SHOWN ELSEWHERE IN THESE PLANS SHALL BE USED FOR STRUCTURE CONSTRUCTION.

LOCATION

1A 150 DETOUR OVER BEAR CREEK  
T 87 N R 9 W  
SECTION 3  
HOMER TOWNSHIP  
BUCHANAN COUNTY  
BRIDGE MAINT. NO. N/A

ESTIMATED QUANTITIES	
POLYMER GRID	560 Sq. Yds.
CORE-OUT	1,026 Cu. Yds.
SPECIAL BACKFILL	1,939 Tons

DESIGN FOR 0° SKEW  
79'-2 X 32'-8 STEEL I-BEAM  
DETOUR BRIDGE  
39'-7 SPANS  
SOIL PROFILE SHEET  
STATION: 1308+63.60  
BUCHANAN COUNTY  
IOWA DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION  
DESIGN SHEET NO. 3 OF 4 FILE NO. 30661 DESIGN NO. 213