

TOTAL DISTANCE FROM THE NW COR. 9-88-12 THRU  
THE W 1/4 COR. 9-88-12 TO THE SW COR. 9-88-12  
IS 5345.67' MEASURED.  
AND 5345.67' MEASURED.

NW COR. 9-88-12 LOCATION  
ESTABLISHED FROM 1907  
SECTION CORNER SURVEY  
DATED 11-01-76

S 01°06'24" E  
2649.67' (M)  
2555.67' (R 1941)

NW COR. NE 1/4, NE 1/4, SW 1/4  
9-88-12 LOCATION ESTABLISHED  
FROM 1907 SECTION CORNER  
SURVEY DATED 11-01-76

W 1/4 COR. 9-88-12 LOCATION  
ESTABLISHED FROM 1907 SECTION  
CORNER SURVEY DATED 11-01-76

S 89°49'51" W  
2096.35' (M)  
2096.35' (R 1911)

N 89°55'39" W  
411.57' (M)  
412.50' (R 1911)

S 05°25'46" W  
2696.00' (M)  
2689.20' (R 1941)

S 03°45'36" W  
2686.92' (M)  
2686.60' (R 1911)

S 02°03'51" W  
2676.95' (M)  
2677.00' (R 1911)

S 00°52'54" W  
2668.65' (M)  
2671.00' (R 1911)

S 00°18'29" E  
2661.39' (M)  
2661.60' (R 1941)

S 00°50'56" E  
2688.72' (M)  
2688.72' (R 1907)

FOUND OLD FENCE  
PIECES OF

NE COR. 16-88-12  
COUNTY FOUND 1/2" REBAR  
WITH DATED ORANGE  
PAINT. DISTANCE FROM WPA  
LOCATION ESTABLISHED FROM WPA  
DOUBLE DISTANCE INTERSECTION  
FROM N. AND E. 1/4 CORNERS.  
ASSUMED OVER STANDARD WPA  
TO SOLID CONCRETE.

S 88°18'06" E  
2533.40' (R 1941)

N 89°54'36" E  
2649.38' (M)  
2651.60' (R 1941)

FOUND OLD FENCE  
1345.20' EAST OF W 1/4  
COR. 1941 RANDOM CHAINING.  
NOTES DISTANCE WAS 1345.20'.

FOUND OLD FENCE  
3976.30' EAST OF W 1/4  
COR. 1941 RANDOM CHAINING.  
NOTES DISTANCE WAS 3982.85'.

N 1/4 COR. 15-88-12  
COUNTY FOUND CONCRETE  
MONUMENT FROM  
RECORD TIES

NE COR. 15-88-12  
COUNTY FOUND IRON  
PIN FROM RECORD TIES

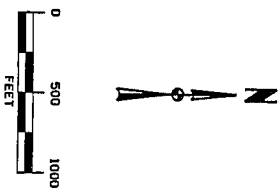
NW COR. 16-88-12  
ESTABLISHED LOCATION  
OF CORNER USING NOVEMBER  
1911 SURVEY AND 1941 CHAINING  
NOTES AND 1907 SECTION CORNER  
SURVEY DATED 11-01-76.  
NO MONUMENT WAS SET.

S 03°08'46" E  
2702.00' (R 1911)

CORNERS ① ② ③ ④  
SET 1/2" REBAR WITH YELLOW PLASTIC CAP  
AND 805 1/2" STEEL PIPES. ALSO SET  
STEEL FENCE PDS 6" SOUTH OF CORNERS.  
CORNER LOCATIONS WERE ESTABLISHED  
USING 1941 RANDOM CHAINING NOTES.

(R 1907) RECORD DISTANCE FROM 1907 SECTION CORNER SURVEY 11-01-76  
(R 1911) RECORD DISTANCE FROM 1911 SURVEY  
(R 1941) RECORD DISTANCE FROM 1941 RANDOM CHAINING NOTES  
(M) MEASURED DISTANCE

N 1/4 COR. 16-88-12  
COUNTY FOUND CONCRETE  
MONUMENT FROM RECORD  
TIES.



I hereby certify that this Land Surveying  
document was prepared by me or under my  
direct personal supervision and  
that I am a duly Licensed Land Surveyor  
under the laws of the State of Iowa.  
MICHAEL R. PILE Date 11-20-02  
License number: 8505  
My license renewal date is December 31, 2002  
Pages or sheets covered by this seal:  
SHEET 1 OF 1

TELEPHONE 1-319-232-6531

EARTH TECH

501 SYCAMORE STREET, SUITE 222  
WATERLOO, IOWA, 50703

WATERLOO IOWA			
DRN	DES	CHK	APP
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NO	REVISIONS	DRN	CHK	DATE

SURVEY OF THE NORTH LINE SECTION 16,  
TOWNSHIP 88 NORTH, RANGE 12 WEST OF THE 5TH P.M.  
BLACK HAWK COUNTY, IOWA

SURVEY REQUESTED BY  
BASIC MATERIALS CORPORATION

DATE	11-18-02
PROJECT NO	56984
FILENAME	
SHEET NO	1 OF 1
DRAWING NO	