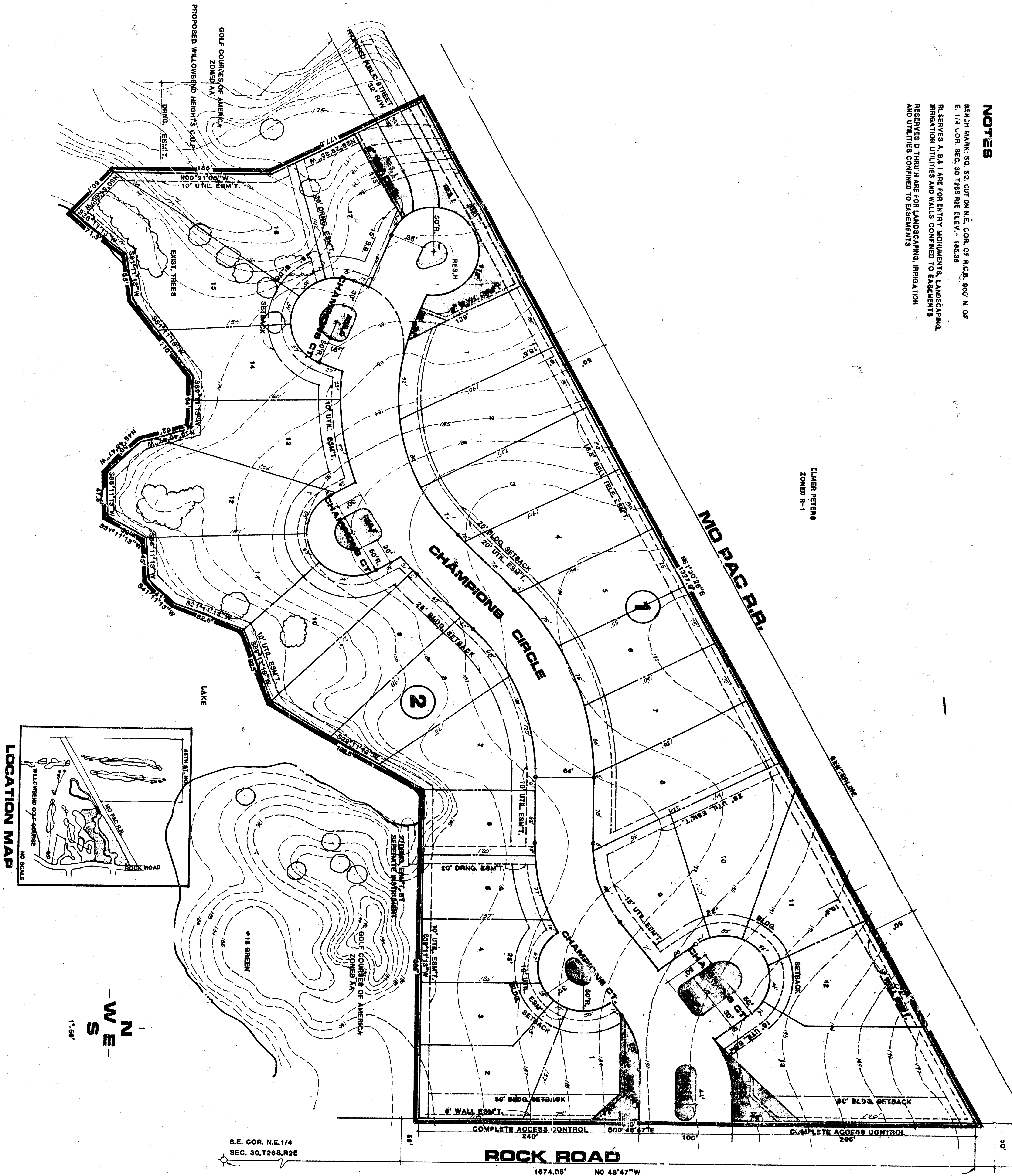


# NOTES

REVIEW MAPS, SO, CUT ON N.E. COR. OF R.C.B. 900' N. OF  
E. 1/4 COR. SEC. 30, T28S, R22E, ELEV. - 1033.0  
R. SERVES AS A LANE FOR ENTRY MONUMENTS, LANDSCAPING,  
IRRIGATION UTILITIES AND WALLS CONFINED TO EASEMENTS  
RESERVES D THRU H ARE FOR LANDSCAPING, IRRIGATION  
AND UTILITIES CONFINED TO EASEMENTS

ELMER PETERS  
ZONED R-1



## PRELIMINARY PLAT

# WILLOWBEND

OWNER: GOLF COURSES OF AMERICA, 4110 N. TARA CIRCLE WICHITA, KANSAS 67226

CHAMPIONS

WILLOWBEND 2ND  
ZONED AA

# 5TH



**BILL G. YUNG DESIGN**  
4012 E. 29TH STREET NORTH, WICHITA, KS 67220  
316-683-6667

date JUNE 15, 1987  
rev. JUNE 12, 1987

sheet title  
PRELIMINARY PLAT

project  
WILLOWBEND 5TH ADDITION

sheet  
of

October 14, 1987  
Re: Conditional Letter of Map Revision  
East Fork of Osishon Creek, Wichita, KS  
Mr. Charles A. Lindsey, Chief  
Federal Emergency Management Agency  
Washington, D.C. 20572  
Dear Mr. Lindsey,  
We are submitting the following information for your review for the above  
reference project:  
1. Memo from Mid-Kansas Engineering Consultants to Mr. Chris  
Breitenstein, City of Wichita, dated June 15, 1987.  
2. Letter from Mr. Chris Breitenstein to your office acknowledging his  
concurrence with study.  
We appreciate your consideration of this information. If additional  
information is needed, please feel free to contact this office.  
Very truly yours,  
John W. White, P.E.  
MID-KANSAS ENGINEERING CONSULTANTS, P.A.  
1000 S. 17TH ST.  
WICHITA, KANSAS 67202  
(313) 268-4466

Enclosures  
cc: Chris Breitenstein, City of Wichita  
Ken Breitenstein, WEC, Wichita

WICHITA

October 1, 1987

Mr. Charles A. Lindsey, Chief  
Federal Emergency Management Agency  
Office of Risk Assessment  
Technical Operations Division  
Washington, D.C. 20572

Subject: Conditional Letter of Map Revision

Dear Mr. Lindsey:  
This letter is to acknowledge receipt and concurrence with the  
hydraulic study prepared by Mr. Charles A. Lindsey, on a portion of the East Fork of Osishon Creek,  
T28S, R22E, on a portion of the East Fork of Osishon Creek.

Sincerely,  
Chris A. Breitenstein, P.E.  
Civil Engineer III

cc: Willowbend Heights Plat File

## CONFIRMATION MEMO

PROJECT: (willowbend heights) Creek  
TO: Chris Breitenstein, P.E.  
FROM: John White, P.E.  
DATE: 5/29/87  
REF: Summary of Hydraulic Review  
MID-KANSAS ENGINEERING  
CONSULTANTS, P.A.  
1000 S. 17TH ST.  
WICHITA, KANSAS 67202



This memo is written to summarize the findings of our hydraulic review of  
the East Fork of Osishon Creek in Wichita, Kansas. Our study began north of  
37th Street and extended to the downstream end of the Missouri Pacific Rail-  
road. Attached is a copy of the flood boundary map for the study area.

Hydraulic analysis was completed using the HEC2 computer program. Cross  
sections were taken from the FBM report dated May 15, 1985.  
Two other cross profiles were developed for review. The first profile  
used was relatively low, with these "w" factors, the calculated profile was  
considered existing conditions. For an existing condition, the "w" factor  
used was 1.0. The second profile was developed using the "w" factor of 1.5.  
The discrepancy in the two profiles were considered acceptable because  
of potential variance that would be expected in the methods of gathering  
cross section data.

The profile for the improved conditions considered an improved channel  
for the first 800 feet downstream of the Missouri Pacific Railroad. The  
improved channel will have a 12' foot flat bottom with near vertical 1:1 side  
slopes. The channel will be 12' wide at the top and 4' wide at the bottom.  
The channel will have a 12' side slope. This model assumed that low areas along the  
channel were filled to an elevation above the maximum high water.  
The improved channel profile indicates a reduction of about 0.5 feet in

## EAST FORK OSISHON CREEK

| WEC<br>SECTION | FROM<br>100' EAD | WEC<br>SECTION | FROM<br>100' EAD | WEC<br>SECTION | FROM<br>100' EAD |
|----------------|------------------|----------------|------------------|----------------|------------------|
| 55-50          | AK               | 1364.1         | 1364.58          | 1364.10        | 1364.10          |
| 60-60          | AK               | 1365.04        | 1365.04          | 1365.04        | 1365.04          |
| 64-60          | AK               | 1365.91        | 1365.91          | 1365.91        | 1365.91          |
| 68-60          | AK               | 1366.38        | 1366.38          | 1366.38        | 1366.38          |
| 70-60          | AK               | 1366.75        | 1366.75          | 1366.75        | 1366.75          |
| 72-60          | AK               | 1367.04        | 1367.04          | 1367.04        | 1367.04          |
| 75-60          | AK               | 1367.34        | 1367.34          | 1367.34        | 1367.34          |
| 80-60 (1)      | AK               | 1368.1         | 1368.51          | 1367.63        | 1367.63          |

(1) Downstream of Missouri Pacific Railroad

