Agenda Item No._____

City of Wichita
City Council Meeting
March 19, 1996

Agenda Report No. _____

TO: Mayor and City Council Members

SUBJECT: Agreement to Respread Special Assessments in Bradford North Addition (West of Tyler, South of 29th Street North) (District V)

INITIATED BY: Department of Public Works

AGENDA: Consent

Recommendation: Approve the Agreement.

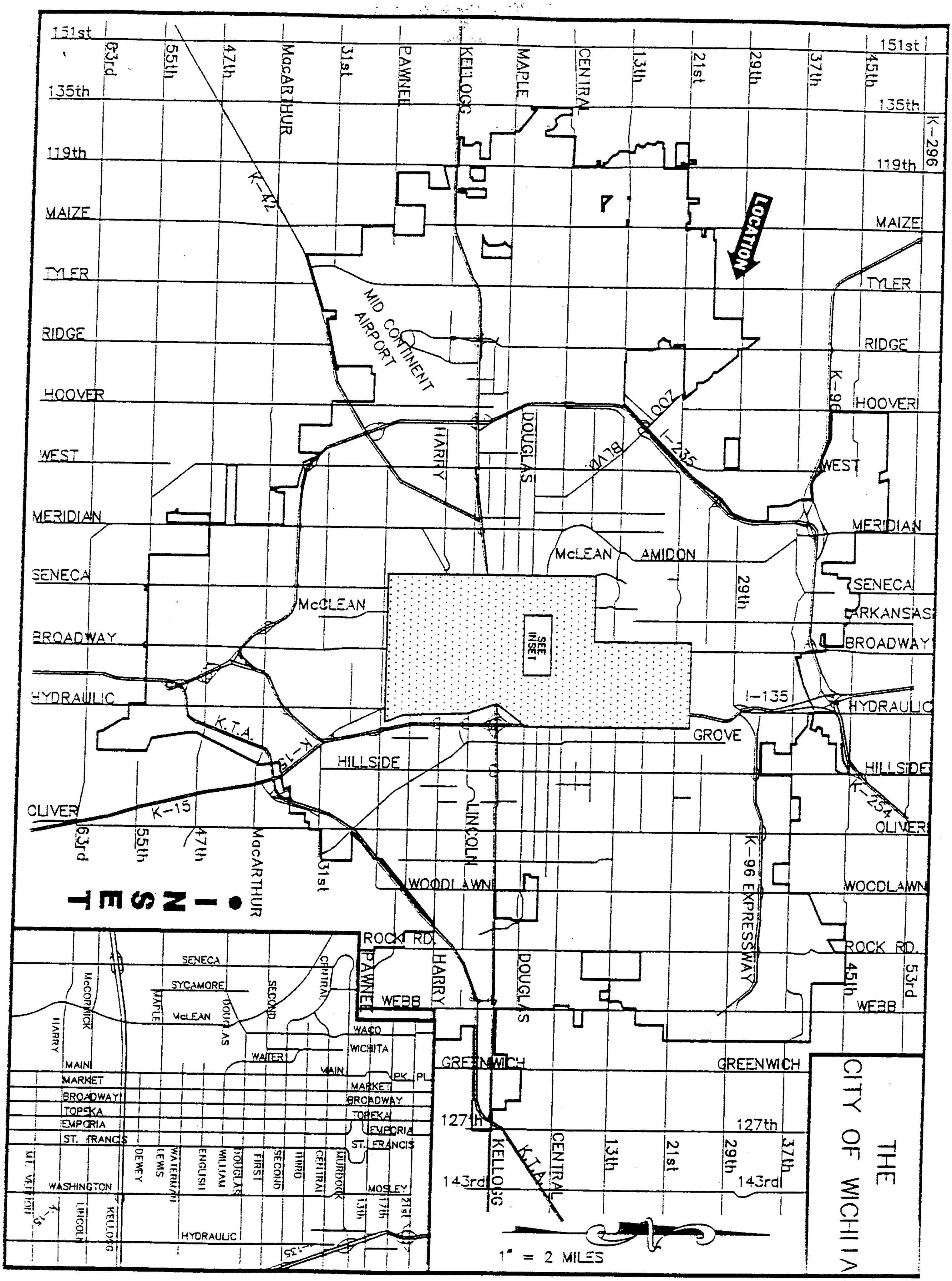
Background: The developer, 3AH, Inc. platted an addition called Bradford North Addition, and has submitted an Agreement to respread special assessments in the addition.

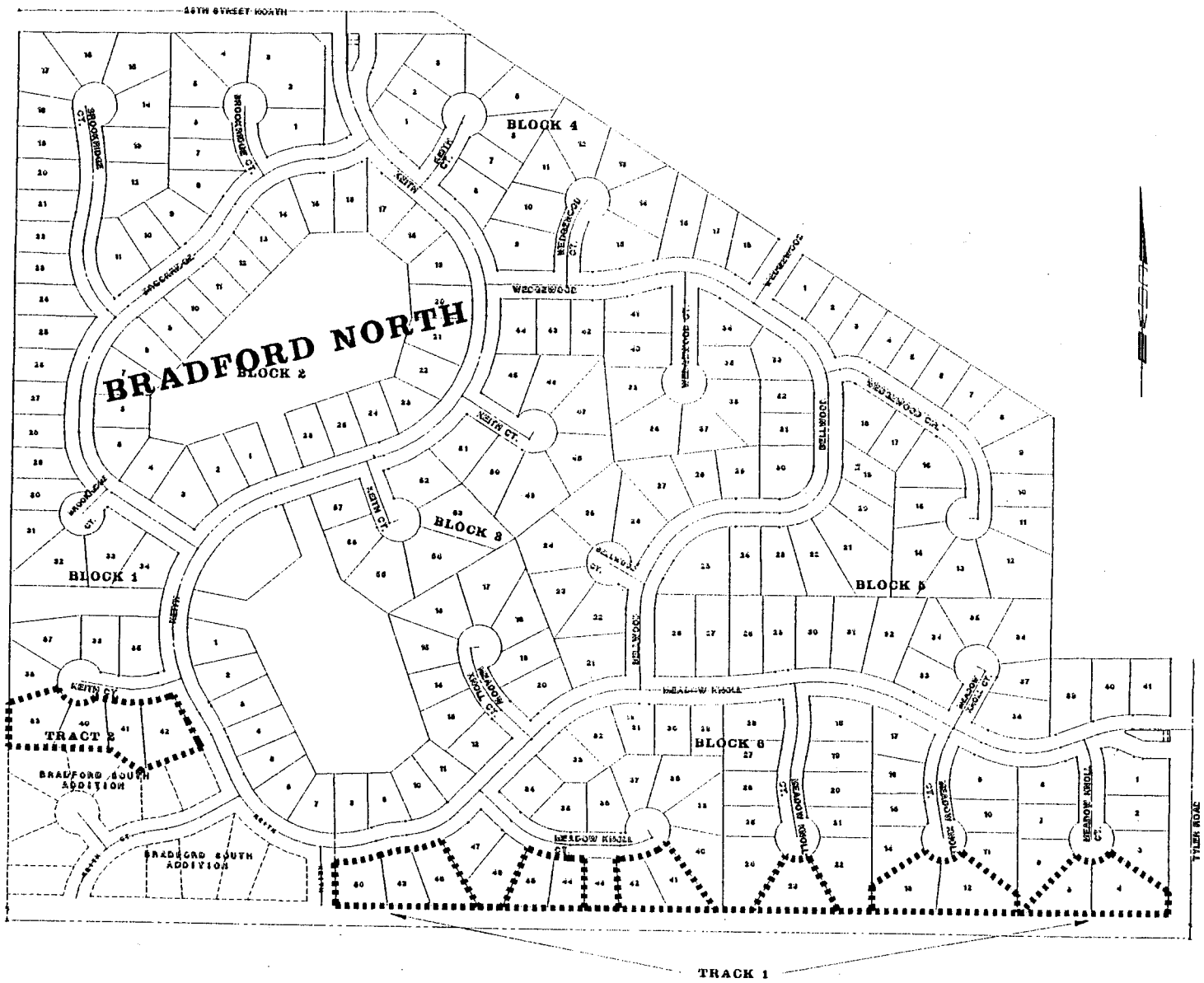
Analysis: The land was originally included in numerous improvement districts for a number of public improvement projects. The purpose of the Agreement is to respread Special Assessments on an equal share basis for each lot. Without the Agreement, the assessments will be spread on a square foot basis. The Agreement will save the City time in recalculating special assessments for each newly platted lot and will equalize the assessments for each lot, making it easier for the developer to market the lots.

Financial Considerations: There is no cost to the City.

Legal Considerations: The Agreement has been approved as to form by the Law Department.

Recommendation/Action: It is recommended that the City Council 1) Approve the Agreement and 2) Authorize the Mayor to execute.


THE CITY OF WICHITA
LOCATION
MID CONTINENT AIRPORT
SEE INSET
INSET
1" = 2 MILES
151st
135th
119th
MAIZE
TYLER
RIDGE
HOOVER
WEST
MERIDIAN
SENECA
BROADWAY
HYDRAULIC
OLIVER
McCLEAN
McLEAN
AMIDON
ARKANSAS
GROVE
HILLSIDE
WOODLAWN
ROCK RD.
WEBB
GREENWICH
127th
143rd
63rd
55th
47th
MacARTHUR
31st
PAWNEE
KELLOGG
MAPLE
CENTRAL
13th
21st
29th
37th
45th
53rd
HARRY
DOUGLAS
LINCOLN
K-42
K-296
K-96
K-15
K-254
K.T.A.
I-235
I-135
K-96 EXPRESSWAY
ZOO BLVD
SYCAMORE
McCORMICK
SECOND
WACO
WICHITA
WATER
MAIN
MARKET
TOPEKA
EMPORIA
ST. FRANCIS
PK. PL.
DEWEY
LEWIS
WATERMAN
ENGLISH
WILLIAM
FIRST
THIRD
MURDOCK
WASHINGTON
MOSLEY
HYDRAULIC



AREA OF REASSESSMENT

THE CITY OF WICHITA
OFFICE OF LAW DEPARTMENT **DATE:** February 2, 1996

TO: Michael E. Lindebak, P.E., City Engineer

FROM: Douglas J. Moshier, Senior Assistant City Attorney

SUBJECT: Agreement for Respread Assessments

The attached Agreement for respreading assessments in Bradford North Addition is approved as to form.

Douglas J. Moshier
Senior Assistant City Attorney

DJM:cdh

Attachment

AGREEMENT

BY AND BETWEEN

THE CITY OF WICHITA, KANSAS,
Party of the First Part

and

3AH-Inc.
Party of the Second Part

WHEREAS, Party of the First Part has constructed certain municipal improvements in the area of 21st Street North and Tyler Road, within the City Limits of the City of Wichita; and

WHEREAS, Party of the Second Part is the landowner of all or part of the improvement district; and

WHEREAS, portion of the improvement district of said improvements has been platted and/or replatted; and

WHEREAS, Party of the Second Part desires that a reassessment be made to reflect the changes in platting; and

WHEREAS, the Party of the First Part and Party of the Second Part are both desirous of accomplishing such a reassessment.

NOW, THEREFORE, in consideration of the mutual covenants and promises herein contained, the parties agree as follows:

1. An unplatted tract described as beginning at the Northeast corner of Lot 1, Block 2, Bradford South Addition to Wichita, Kansas; thence North 100.0 feet parallel to the centerline of Tyler Road; thence West 1900.0 feet; thence South 100.0 feet to the Northwest corner of Lot 51, Block 2, Bradford South Addition; thence East 1900.0 feet to the point of beginning, being Tract No. 1.

and also;

An unplatted tract described as beginning at the Northwest corner of Lot 5, Block 3, Bradford South Addition to Wichita, Kansas; thence North 100.0 feet on the West line of the Northeast Quarter of Section 5, Township 27 South, Range 1 West of the 6th P.M., Sedgwick County, Kansas; thence East to a point 100.0 feet North of the Northeast corner of Lot 1, Block 3 of said addition; thence South 100.0 feet to the Northeast corner of said Lot 1, Block 3; thence Westerly along the North line of Lots 1 through 5, Block 3, to the point of beginning, being Tract No. 2

which were both part of the improvement district for the following City project(s):

Lateral 113, Westlink Sewer
Project Number: 468-82402
Index Code: 742023

Said property was replatted as Bradford North Addition.

2. The parties agree to make a reassessment for said project in the following manner:

The total assessment to the above described Tract No. 1 shall be assessed on an equal share basis to each of the following lots:

BRADFORD NORTH ADDITION

Lots 4, 5, 12, 13, 23, 41, 42, 44, 45, 48, 49, 50, Block 6

The total assessment to the above described Tract No. 2 shall be assessed on an equal share basis to each of the following lots:

BRADFORD NORTH ADDITION

Lots 39, 40, 41, 42, Block 1

3. The party of the Second Part is the owner of the property described in section one above and said party of the Second Part hereby waives the notice and hearing requirements of K.S.A. 12-6a12(b) with respect to the reassessment herein described.

4. The party of the Second Part further waives his right to appeal the special assessment for the above mentioned projects (including this described reassessment) and agrees

that no suit to set aside said assessment shall be brought by him nor shall he in any other way bring an action to question the validity of the proceedings taken by the Party of the First Part in constructing this project and levying the special assessments therfor.

5. The Party of the Second Part further agrees that he will indemnify the Party of the first Part against any and all costs, expenses, claims and judgments for which the Party of the First Part is held responsible or which are entered against the Party of the First Part arising out of or as a result of the reassessment herein described.

IN WITNESS WHEREOF, the parties hereto have executed this agreement the _____ of _____, 1996.

THE CITY OF WICHITA, KANSAS

Approved as to form:

BY_____
Mayor
Party of the First Party

Director of Law

Attest:

_____
City Clerk

_____
Party of the Second Part
Mathias Eck, President
3AH, Inc.

STATE OF KANSAS)
) ss:
SEDGWICK COUNTY)

BE IT REMEMBERED, That on this 10th day of January, 1996, before me, the undersigned, a Notary Public in and for the County and State aforesaid, came Mathias Eck, President, 3AH, Inc., personally known to me to be the same person who executed the within instrument or writing

and as such person duly acknowledged the execution of the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year last above written.

Notary Public
Carol R. Barnes

My Appointment Expires:

CAROL R. BARNES
Notary Public - State of Kansas
My Appt. Expires 4-25-96

(4099A)

POE & ASSOCIATES OF KANSAS, INC.
CONSULTING ENGINEERS
5940 E. Central, Suite 200 ■ Wichita, KS 67208-4242
Phone 316/685-4114 ■ FAX 316/685-4444

December 16, 1996

Mr. John A. Henderson, P.E.
Kansas Department of Agriculture
Division of Water Resources
901 South Kansas Avenue, 2nd floor
Topeka, Kansas 66612-1283

RE: DIVISION OF WATER RESOURCES APPLICATIONS, MEADOW OAKS 2ND ADDITION AND BRADFORD NORTH ADDITION TO WICHITA, KANSAS, APPLICATION WSN: LSG-0117, NOTICE NO. 96469 & WSN: LSG-0116, NOTICE NO. 96468

Dear Mr. Henderson,

We have received your letters in reference to adverse comments regarding the above projects. We would like to update you on our progress with the respective parties.

The Meadow Oaks 2nd Addition received a letter from Ms. Lisa Miller who represents a small contingent of homeowners within the first phase of Meadow Oaks Addition. In our conversation with her by phone, it is clear that hers and her parties concerns have been with their Home Builder and not that of the Land Developer Mr. Russell. We have responded to her by letter and ask that her letter to DWR be removed from the Meadow Oaks Application file. Other letters received in reference to this project from the Kansas Biological Survey and the Department of Wildlife and Parks appear to be standard form letters. We have appropriately responded by letter to each agency and hope they're concerns have been mitigated.

The Bradford North Addition also received letters from the Kansas Biological Survey and the Department of Wildlife and Parks and we have responded to each of them by letter. We previously received a letter from Mr. Pracht. We spoke with him and have cleared up his concerns and have sent you copies of our correspondence with him. In reference to Mr. Rinks letter, we have responded to him and believe we have answered his questions.

We have enclosed a copy of each response for your file. We believe we have mitigated the immediate concerns of all the parties and would hope that both projects could be moved forward to approval.

If you should have any questions or comments, please contact us.

Yours Truly,
POE & ASSOCIATES OF KANSAS, INC.

Daniel J. Haskins

cc: Mr. Jay Russell
Ms. Vicki Huang, City of Wichita

POE & ASSOCIATES OF KANSAS, INC.
CONSULTING ENGINEERS
434 N. Oliver, Suite 110 - Wichita, KS 67208
316/685-4114 - FAX 316/685-4444

Terry B
S/Lackey
M/Lindsay
M. Kraus
FYI

March 30, 1996

Mr. William Cather
2935 South Seneca
Wichita, KS 67217-2863

Re: Bradford North Addition

Dear Mr. Cather:

The Consultants have submitted their Wetland Delineation Draft Report, which concludes that no wetlands occur onsite. Enclosed is a copy of their Executive Summary. I understand that the next step is to ask for the Natural Resource Conservation Service concurrence.

I will let you know if there are any changes in the determination. Please call me if you have any questions.

Yours truly,

POE & ASSOCIATES OF KANSAS, INC.

James M. Thompson

James M. Thompson, P.E.
President

cc: Mr. Chris Cherches
Mr. Jay Russell

EXECUTIVE SUMMARY

3-AH Inc. plans to develop a quarter section tract of land located at 29th Street North and Tyler Street, Wichita, Sedgwick County, Kansas (T27S, R1W, ne ¼ Sec 5), as a housing development. A small portion of this quarter section has been identified by the U.S. Army Corps of Engineers as in need of a wetland determination for potential Section 404 dredge and fill permit regulation. The determination is necessary to ascertain the presence or absence of jurisdictional wetlands. The portion in question is located in the northwest ¼ of the project site, immediately south of 29th Street North, and approximately one-half mile east of Maize Road. A jurisdictional wetland delineation of this area was performed on March 11, 1996 by George Butler Associates, Inc. (GBA), Lenexa, Kansas. Based upon the onsite wetland delineation and a review of existing information, no jurisdictional wetlands or other waters of the U.S. occur onsite.

BRADFORD NORTH
7-2-97

Peak Discharge = 230 cfs

(1) $\frac{5.94\,(.03338)\,(640)}{12}$ = 26.3831 Acre-ft of Runoff

(2) $\frac{26.3831}{1196.50}$ = 0.022050233 Acre-ft = Value of 1 sq. unit

(3) $\frac{230}{60}$ = 3.8333 cfs = Value of 1 unit of flow

(4) $\frac{0.022050233 \times 12}{3.8333}$ = 0.069026517 hrs = Value of 1 unit of time

Elev	Area Ac	Ave Vol Ac-ft	Cum. Vol Ac-ft
42	1.106	0	0
43	1,182	1,144	1,144
44	1,261	1,222	2,366
45	1,342	1,302	3,668
46	1,424	1,383	5,051
47	1,508	1,466	6,517
48	1,593	1,551	8,068
49	1,679	1,636	9,704
50	1,767	1,723	11,427
51	1,856	1,812	13,239
52	1,947	1,902	15,141
53	2,039	1,993	17,134
54	2,132	2,086	19,220
55	2,227	2,180	21,400
56	2,324	2,276	23,676
57	2,421	2,373	26,049
58	2,520	2,471	28,520
59	2,621	2,571	31,091
60	2,723	2,672	33,763
61	2,841	2,782	36,545
62	2,970	2,906	39,451
63	3,105	3,038	42,489
64	3,272	3,189	45,678
65	3,439	3,356	49,034
66	3,949	3,694	52,728
67	4,127	4,038	56,766

$$Q = 3.08 L H^{3/2}$$

$L = 8$

H	Q	Q_{AVG} (cfs)	Area - ft^2
0	0		
		4.36	1.49
.5	8.71		
		16.68	5.71
1.0	24.64		
		34.95	11.96
1.5	45.27		
		57.48	19.67
2.0	69.69		
		83.55	28.32
2.5	97.40		
		112.72	38.58
3.0	128.03		

BRADFORD NORTH
7-2-97

Peak Flow = 230 cfs

10 x 3' R-B

$Q = 3.08 L H^{3/2}$

$Q = 3.08 (10) H^{3/2} = 30.80 H^{3/2}$

H	Q	Avg Q	4.1416 Time	Acre-Ft
0	0			
		5.45	0.3423	1.87
0.5	10.89			
		20.85	0.3423	7.14
1.0	30.8			
		43.69	0.3423	14.96
1.5	56.58			
		71.85	0.3423	24.59
2.0	87.12			
		104.44	0.3423	35.75
2.5	121.75			
		140.90	0.3423	48.23
3.0	160.04			

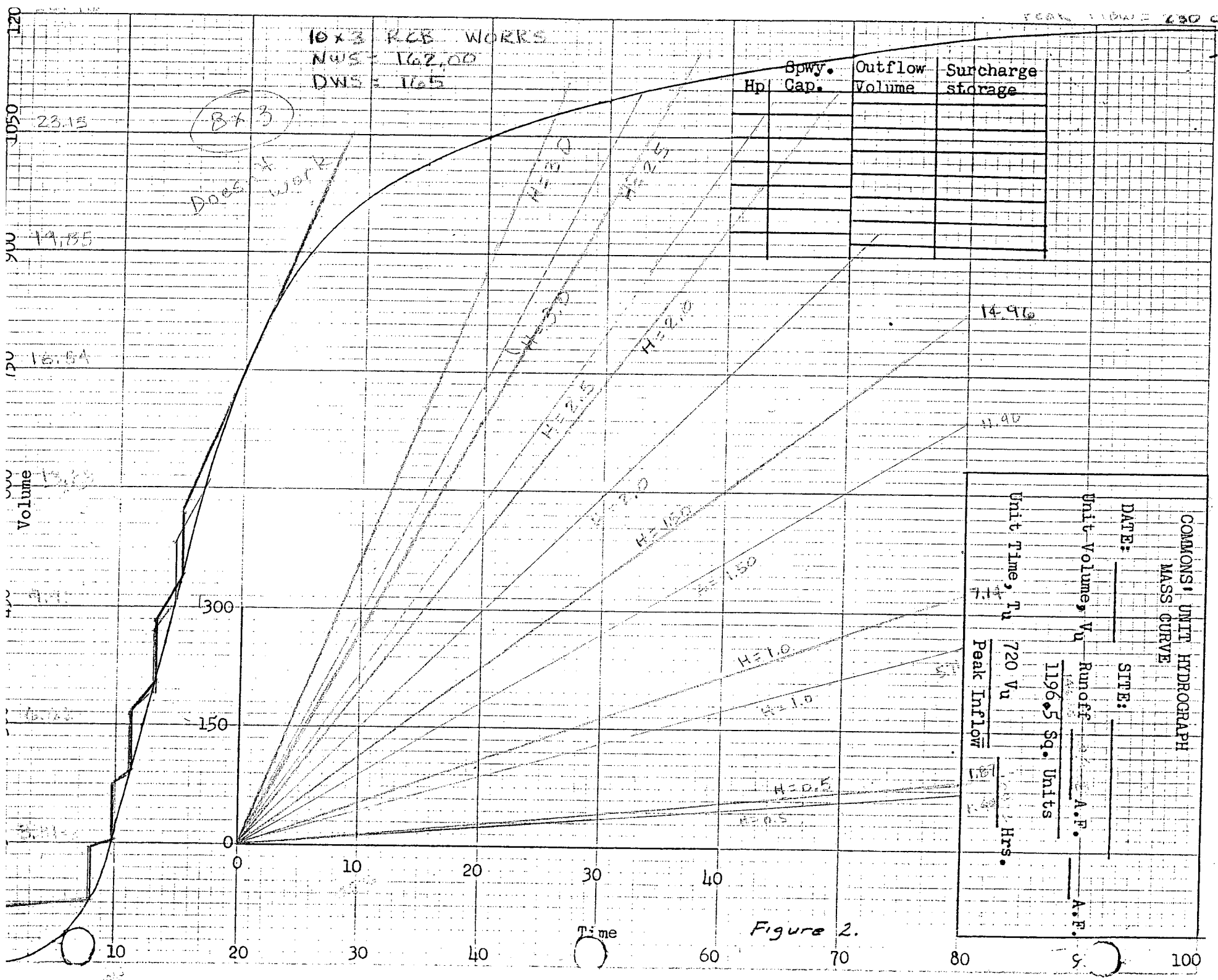

10 x 3 RCB WORKS
NWS = 162.00
DWS = 165
B x 3
Does not work
Spwy. Cap.
Outflow Volume
Surcharge storage
Hp
14.96
11.90
H=3.0
H=2.5
H=2.0
H=1.5
H=1.0
H=0.5
COMMONS! UNIT HYDROGRAPH
MASS CURVE
DATE:
SITE:
Unit Volume, Vu
Runoff
1196.5 Sq. Units
A.F.
720 Vu
A.F.
Unit Time, Tu
Peak Inflow
Hrs.
Volume
Time
0
150
300
10
20
30
40
60
70
80
90
100
120
1050
900

Figure 2.

```
*****************************************
*                                       *
*   FLOOD HYDROGRAPH PACKAGE  (HEC-1)   *
*              MAY   1991               *
*           VERSION 4.0.1E              *
*                                       *
* RUN DATE  07/02/97  TIME  11:22:10    *
*                                       *
*****************************************
```

```
*************************************
*                                   *
*   U.S. ARMY CORPS OF ENGINEERS    *
*   HYDROLOGIC ENGINEERING CENTER   *
*         609 SECOND STREET         *
*     DAVIS, CALIFORNIA 95616       *
*          (916) 551-1748           *
*                                   *
*************************************
```

```
X     X  XXXXXXX   XXXXX           X
X     X  X        X     X         XX
X     X  X        X                X
XXXXXXX  XXXX     X         XXXXX  X
X     X  X        X                X
X     X  X        X     X          X
X     X  XXXXXXX   XXXXX          XXX
```

THIS PROGRAM REPLACES ALL PREVIOUS VERSIONS OF HEC-1 KNOWN AS HEC1 (JAN 73), HEC1GS, HEC1DB, AND HEC1KW.

THE DEFINITIONS OF VARIABLES -RTIMP- AND -RTIOR- HAVE CHANGED FROM THOSE USED WITH THE 1973-STYLE INPUT STRUCTURE.
THE DEFINITION OF -AMSKK- ON RM-CARD WAS CHANGED WITH REVISIONS DATED 28 SEP 81. THIS IS THE FORTRAN77 VERSION
NEW OPTIONS: DAMBREAK OUTFLOW SUBMERGENCE , SINGLE EVENT DAMAGE CALCULATION, DSS:WRITE STAGE FREQUENCY,
DSS:READ TIME SERIES AT DESIRED CALCULATION INTERVAL   LOSS RATE:GREEN AND AMPT INFILTRATION
KINEMATIC WAVE: NEW FINITE DIFFERENCE ALGORITHM

GAM
7-2-97

GOOD FOR POND #2

USE
10' x 3' RCB
IE = 162.00
Top = 165.83 (outside)

Top ... 10" Thick

```
LINE      ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

  1       ID    BRADFORD NORTH REVISED
  2       ID    PEAK FLOW FUTURE CONDITION
  3       ID    Q100 - 6HR STORM
  4       ID    FILE: BRADREV
  5       IT    2              0     181
  6       IO    5    0

  7       KK    SB1
  8       KM      COMPUTE HYDROGRAPH
  9       BA  0.083
 10       PH   100      0    .87   1.86    3.8    4.6    5.1    6.0
 11       LS     0 . 84.3
 12       UD  .284

 13       KK  POND 1
 14       KM      ROUTE FLOW THROUTH 8X3 RCBC
 15       KO                                21
 16       RS     1   STOR    -1
 17       SV     0   3.04   6.23   9.59  13.28  17.32
 18       SE   162    163    164    165    166    167
 19       SQ     0   8.71  24.64  45.27  69.69  97.40 128.03 248.13 359.85
 20       SE   162  162.5    163  163.5    164  164.5    165    166    167
 21       ZZ
```

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****************************************                                   **************************************
*                                      *                                   *
*   FLOOD HYDROGRAPH PACKAGE  (HEC-1)  *                                   *    U.S. ARMY CORPS OF ENGINEERS
*              MAY   1991              *                                   *    HYDROLOGIC ENGINEERING CENTER
*           VERSION 4.0.1E             *                                   *          609 SECOND STREET
*                                      *                                   *       DAVIS, CALIFORNIA 95616
*  RUN DATE  07/02/97  TIME  11:22:10  *                                   *           (916) 551-1748
*                                      *                                   *
****************************************                                   **************************************



                              BRADFORD NORTH REVISED
                              PEAK FLOW FUTURE CONDITION
                              Q100 - 6HR STORM
                              FILE: BRADREV

  6 IO        OUTPUT CONTROL VARIABLES
                   IPRNT          5  PRINT CONTROL
                   IPLOT          0  PLOT CONTROL
                   QSCAL         0.  HYDROGRAPH PLOT SCALE

    IT        HYDROGRAPH TIME DATA
                    NMIN          2  MINUTES IN COMPUTATION INTERVAL
                   IDATE     1    0  STARTING DATE
                   ITIME       0000  STARTING TIME
                      NQ        181  NUMBER OF HYDROGRAPH ORDINATES
                  NDDATE     1    0  ENDING DATE
                  NDTIME       0600  ENDING TIME
                   ICENT         19  CENTURY MARK

               COMPUTATION INTERVAL    0.03 HOURS
                    TOTAL TIME BASE    6.00 HOURS

       ENGLISH UNITS
            DRAINAGE AREA          SQUARE MILES
            PRECIPITATION DEPTH    INCHES
            LENGTH, ELEVATION      FEET
            FLOW                   CUBIC FEET PER SECOND
            STORAGE VOLUME         ACRE-FEET
            SURFACE AREA           ACRES
            TEMPERATURE            DEGREES FAHRENHEIT


*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***

            **************
            *            *
 13 KK      *   POND 1   *
            *            *
            **************

 15 KO        OUTPUT CONTROL VARIABLES
                   IPRNT          5  PRINT CONTROL
                   IPLOT          0  PLOT CONTROL
```

QSCAL	0.	HYDROGRAPH PLOT SCALE
IPNCH	0	PUNCH COMPUTED HYDROGRAPH
IOUT	21	SAVE HYDROGRAPH ON THIS UNIT
ISAV1	1	FIRST ORDINATE PUNCHED OR SAVED
ISAV2	181	LAST ORDINATE PUNCHED OR SAVED
TIMINT	0.033	TIME INTERVAL IN HOURS

RUNOFF SUMMARY
FLOW IN CUBIC FEET PER SECOND
TIME IN HOURS, AREA IN SQUARE MILES

OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD 6-HOUR	24-HOUR	72-HOUR	BASIN AREA	MAXIMUM STAGE	TIME OF MAX STAGE
HYDROGRAPH AT	SB1	244.	3.33	37.	37.	37.	0.08		
ROUTED TO	POND 1	109.	3.77	31.	31.	31.	0.08	164.69	3.77

*** NORMAL END OF HEC-1 ***

POE & ASSOCIATES, INC.

CONSULTING ENGINEERS

WICHITA - TOPEKA - KANSAS CITY - OKLAHOMA CITY - TULSA

FACSIMILE TRANSMITTAL SHEET

TO:	FROM:
VICKY HUANG	KENNY E. HILL, P.E.
FAX NUMBER:	DATE:
268-4114	7-21-04
COMPANY:	TOTAL NO. OF PAGES INCLUDING COVER:
	5
PHONE NUMBER:	SENDER'S REFERENCE NUMBER:
RE:	YOUR REFERENCE NUMBER:
BRADFORD NORTH	

☐ URGENT ☐ FOR REVIEW ☐ PLEASE COMMENT ☐ PLEASE REPLY ☐ PLEASE RECYCLE

NOTES / COMMENTS:

The attached info. was all that I could find that looked like it might help you.

5940 E. CENTRAL • SUITE 200 • WICHITA, KANSAS 67208

PHONE: 316-685-4114 • FAX: 316-685-4444

Memo

Date: 2/18/03

To: Jerry Dyck

Cc:

From: Kenny E. Hill, P.E.

RE: Bradford Drainage

The information that I provided for Chris Carrier regarding drainage from the Bradford Ponds is as follows:

Q100 = 230 cfs into North Pond in Bradford North

Routed through an 8'x3' RCBC to 129 cfs - Pond DWS = 166.3

Q100 = 318 cfs into South Pond in Bradford North

Q100 = 230 cfs out routed through double 6'x3' RCBC into Cadillac Lake - Pond DWS = 165.3

Poe and Associates of Kansas, Inc.
Consulting Engineers
434 N. Oliver, Suite 110
Wichita, Kansas 67208
316/685-4114 FAX 316/685-4444

August 8, 1996

Brent Wooten, P.E.

Baughman Company, P.A.
315 Ellis
Wichita, Kansas 67211

Re: Bradford North - Pearson Property

Dear Brent:

We have revised the plans to drain onto the Pearson property as shown on the enclosed drawing. This change was made to avoid the need for a wetland permit.

Please advise us if this is satisfactory with Pearson. The plans will probably be submitted to the city for review next week so we will need to know as soon as we can if Pearson wants any changes.

Thank You,
Poe & Associates of Kansas, Inc.

Kenny E. Hill, P.E.
Vice President

G:\APPS\WPFILES\548C\BRENT

BRADFORD NO.

TEMPORARY DRAINAGE EASEMENT

THIS EASEMENT made this 23RD day of AUGUST, 1996 by and between Bruce A. and Esther L. Pearson as Joint Tenants of the first party and the City of Wichita, of the second part.

WITNESSETH: That the said first party, in consideration of the sum of one dollar ($1.00) and other valuable consideration, the receipt whereof is hereby acknowledged, does hereby grant and convey unto said second party a temporary right-of-way and easement for the purpose of constructing a drainage ditch, over, along and under the following described real estate situated in Sedgwick County, Kansas, to wit:

The Northerly 70 feet of the Easterly 760 feet of the Southeast Quarter of the Northwest Quarter of Section 5, Township 27 South, Range 1 West of the 6th P.M., Sedgwick County, Kansas.

And said second party is hereby granted the right to enter said premises for the purpose of constructing the drainage improvements.

At the completion of the construction of the drainage ditch this easement will become null and void.

IN WITNESS WHEREOF: The said first party has signed these presents the day and year first written.

Bruce A. Pearson

Esther L. Pearson

Esther L. Pearson

STATE OF KANSAS)
SEDGWICK COUNTY) ss.

Be is remembered that on this 23RD day of AUGUST, 1996, before me, a notary public in and for said County and State, came Bruce A. Pearson and Ester L. Pearson to me personally known to be the same person who executed the foregoing instrument of writing and duly acknowledged the execution of same. In testimony whereof I have hereunto set my hand and affixed my notarial seal the day and year above written.

Seal

Philip J. Meyer
Notary Public

PHILIP J. MEYER
NOTARY PUBLIC
STATE OF KANSAS

My appointment expires: 5/5/97

POE & ASSOCIATES OF KANSAS INC.
CONSULTING ENGINEERS
434 N. Oliver, Suite 110 - Wichita, KS 67208
316/685-4114 - FAX 316/685-4444

June 3, 1994

Brent Wooten, P.E.
Baughman Co., PA
315 Ellis
Wichita, Kansas 67211

FILE COPY

Dear Brent:

We are completing the final plat of Bradford South Addition. Jay Russell ask that we send you a copy of the drainage plan for your review. He said that you could talk to Bruce Pearson and see if he had any problems with this drainage plan.

The conservation district had no problems with the drainage from the south pond but ask that we direct the drainage from the north pond to the common line between the Pearson and Pracht property. If you have questions about this meeting you might want to talk to Wilmer Freund.

Please call me if I can answer any questions about this project.

Yours truly,

POE & ASSOCIATES OF KANSAS, INC.

Kenny E. Hill

Kenny E. Hill, P.E.
Vice President

KEH:cb

Encl. Drainage Plan
Weir detail

Poe and Associates of Kansas, Inc.
Consulting Engineers
434 N. Oliver, Suite 110
Wichita, Kansas 67208
316/685-4114 FAX 316/685-4444

August 8, 1996

Brent Wooten, P.E.

Baughman Company, P.A.
315 Ellis
Wichita, Kansas 67211

Re: Bradford North - Pearson Property

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Thank You,
Poe & Associates of Kansas, Inc.

Kenny E. Hill, P.E.
Vice President

G:\APPS\WPFILES\548C\BRENT

BRADFORD NO.

TEMPORARY DRAINAGE EASEMENT

THIS EASEMENT made this 23RD day of AUGUST, 1996 by and between Bruce A. and Esther L. Pearson as Joint Tenants of the first party and the City of Wichita, of the second part.

WITNESSETH: That the said first party, in consideration of the sum of one dollar ($1.00) and other valuable consideration, the receipt whereof is hereby acknowledged, does hereby grant and convey unto said second party a temporary right-of-way and easement for the purpose of constructing a drainage ditch, over, along and under the following described real estate situated in Sedgwick County, Kansas, to wit:

The Northerly 70 feet of the Easterly 760 feet of the Southeast Quarter of the Northwest Quarter of Section 5, Township 27 South, Range 1 West of the 6th P.M., Sedgwick County, Kansas.

And said second party is hereby granted the right to enter said premises for the purpose of constructing the drainage improvements.

At the completion of the construction of the drainage ditch this easement will become null and void.

IN WITNESS WHEREOF: The said first party has signed these presents the day and year first written.

Bruce A. Pearson

Esther L. Pearson
Esther L. Pearson

STATE OF KANSAS)
SEDGWICK COUNTY) ss.

Be is remembered that on this 23RD day of AUGUST, 1996, before me, a notary public in and for said County and State, came Bruce A. Pearson and Ester L. Pearson to me personally known to be the same person who executed the foregoing instrument of writing and duly acknowledged the execution of same. In testimony whereof I have hereunto set my hand and affixed my notarial seal the day and year above written.

Seal

Philip J. Meyer
Notary Public

My appointment expires: 5/5/97

PHILIP J. MEYER
NOTARY PUBLIC
STATE OF KANSAS

Memo

Date: 2/18/03

To: Jerry Dyck

Cc:

From: Kenny E. Hill, P.E.

RE: Bradford Drainage

The information that I provided for Chris Carrier regarding drainage from the Bradford Ponds is as follows:

Q100 = 230 cfs into North Pond in Bradford North

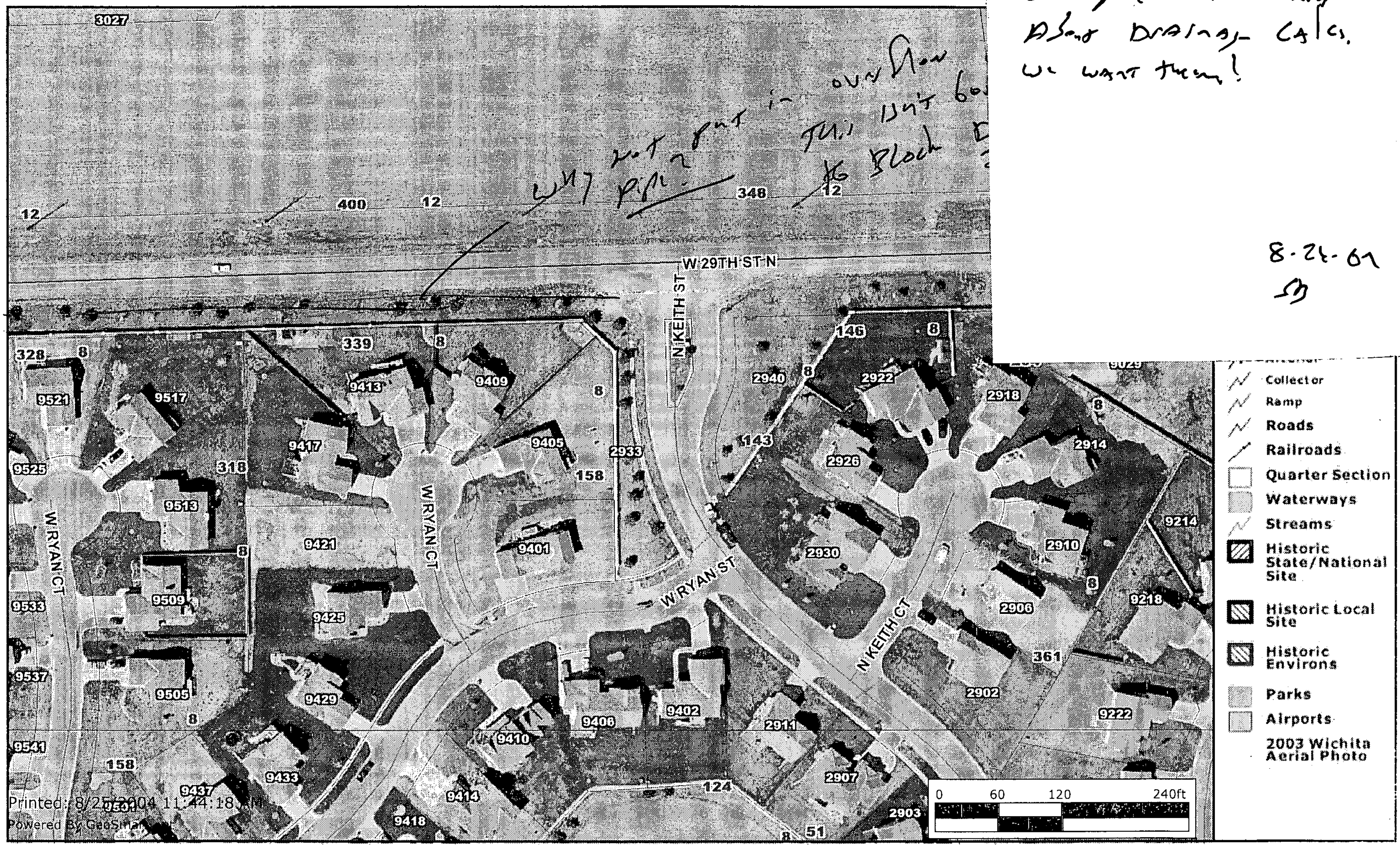
Routed through an 8'x3' RCBC to 129 cfs - Pond DWS = 166.3

Q100 = 318 cfs into South Pond in Bradford North

Q100 = 230 cfs out routed through double 6'x3' RCBC into Cadillac Lake - Pond DWS = 165.3

Bradford North

8.25.04



Call Poe & Associates about Drainage Calcs. We want them!

8-26-04

Every reasonable effort has been made to assure the accuracy of the maps and associated data provided herein. This information is provided with the understanding that the data are susceptible to a degree of error, and conclusions drawn from such information are the responsibility of the reader. The City of Wichita makes no warranty, representation or guaranty as to the content, accuracy, timeliness or completeness of any of the data provided herein. Some data provided here and used for the preparation of these maps has been obtained from public records not created or maintained by the City of Wichita. The City of Wichita shall assume no liability for any decisions made or actions taken or not taken by the reader in reliance upon any information or data furnished hereunder. The user should consult with the appropriate departmental staff member, e.g. Planning, Parks & Recreation, etc. to confirm the accuracy of information appearing in the visual presentations accessible through these web pages.

POE & ASSOCIATES, INC.
5940 E. Central, Suite 200
Wichita, Kansas 67208

CONSULTING ENGINEERS
Office: (316) 685-4114
Fax: (316) 685-4444

September 15, 2004

Mr. Shawn Bryan

Storm Water Engineering
City Hall - 8th Floor
455 N. Main
Wichita, KS 67202

RECEIVED SEP 17 2004

Re: Drainage Calculations for Bradford Addn.

Dear Shawn:

We have enclosed copies of the calculations that we found in the files for Bradford North. It appears that these files include preliminary data which was prepared during the platting process, trial calculations and calculations for the preparation of final plans. I can not tell what was used for the final design.

I hope this is of some help, but would suggest that you use this information with caution and check any information that may be critical to your design of 29th Street.

Sincerely,
Poe and Associates, Inc.

Kenny E. Hill, P.E.
Vice President

LINE NO. 1

PROJECT BRADFORD NORTH

TABLE 8

MINOR LOSSES AND HYDRAULIC GRADE LINE

FINAL DESIGN

SHEET 1 OF 2
BY K. Hill
DATE 9-16-96

① STRUCTURE NO.	② TYPE (MH OR C.B)	③ MAX ELEVATION H.G.L.	④ D_2/D_1	⑤ K_j	⑥ V	⑦ H_f	⑧ H_j	⑨ H_{mh}	⑩ E.G.L.	⑪ H_v	⑫ H.G.L.	⑬ INVERT ELEVATION	⑭ DEPTH
0+00	End Sec.				6.70								
115.36'	@ 64.5	cfs –	42" RCP			0.40			162.71	0.71	*162.0	*143.0	*20.0
									163.11	0.71	162.40		
1+15.36					6.70		0.18	0.02				159.07	3.53'
									163.31	0.71	162.60		
129.54'	@ 64.5	cfs –	42" RCP			0.45							
									163.76	0.71	163.05		
2+44.9					6.18		0.56	—				160.09	3.52'
									164.20	0.59	163.61		
109.29'	@ 43.7	cfs –	36" RCP			0.40							
									164.60	0.59	164.01		
3+54.19					5.42		0.37	—				160.52	3.85'
									164.64	0.46	164.24		
188.83'	@ 39.3	cfs –	36" RCP			0.53							
									165.37	0.46	164.91		
5+43.02					5.14		0.76	—				161.29	3.88'
									165.58	0.41	165.17		
102.31'	@ 36.3	cfs –	36" RCP			0.26							
									165.84	0.41	165.43		
6+45.33					3.18		0.33	—				162.69	3.07'
									165.92	0.16	165.76		
201.97'	@ 10.0	cfs –	24" RCP			0.34							
									166.26	0.16	166.42		
8+47.30					3.18		0.04	—				163.50	2.96'
									166.62	0.16	166.46		
137.21'	@ 10.0	cfs –	24" RCP			0.23							
									166.85	0.16	166.69		
9+84.51					4.07		0.18	—				164.40	1.99'
									167.05	0.26	166.79		

③ NOT LESS THAN 1 FT. BELOW BOTTOM OF SLAB.
④ RATIO OF LARGER TO SMALLER PIPE DIAMETER.
⑤ FROM CHART 7.
⑥ VELOCITY FROM TABLE 6
⑦ HEAD LOSS DUE TO FRICTION FROM TABLE 7

⑧ H_j = HEAD LOSS AT JUNCTION = COL. 5 X COL. 11
⑨ H_{mh} = HEAD LOSS AT MH = 0.02 ALWAYS.
⑩ E.G.L. = ENERGY GRADE LINE.
⑪ H_v = VELOCITY HEAD = $V^2 \div 64.4$
⑫ HGL = HYDRAULIC GRADE LINE = E.G.L. – H_v

* GIVEN

LINE No. 1

PROJECT Bradford North

TABLE 8
MINOR LOSSES AND HYDRAULIC GRADE LINE

SHEET 2 OF 2
BY K Hill
DATE 9-16-96

(1) STRUCTURE NO.	(2) TYPE (MH OR C.B)	(3) MAX ELEVATION H.G.L.	(4) D_2/D_1	(5) K_j	(6) V	(7) H_f	(8) H_j	(9) H_{mh}	(10) E.G.L.	(11) H_v	(12) H.G.L.	(13) INVERT ELEVATION	(14) DEPTH
											*	*	*
						(				0.16			
9+94.51					4.07		0.10	—				164.40	1.99'
									167.05	0.26	166.79		
47.34', @ 5.0 %, - 15" RCP						0.21			167.26	0.26	167.00		
10+26.98												165.05	1.95'

(3) NOT LESS THAN 1 FT. BELOW BOTTOM OF SLAB.
(4) RATIO OF LARGER TO SMALLER PIPE DIAMETER.
(5) FROM CHART 7.
(6) VELOCITY FROM TABLE 6
(7) HEAD LOSS DUE TO FRICTION FROM TABLE 7
(8) Hj = HEAD LOSS AT JUNCTION = COL. 5 X COL. 11
(9) Hmh = HEAD LOSS AT MH = 0.02 ALWAYS.
(10) E.G.L. = ENERGY GRADE LINE.
(11) Hv = VELOCITY HEAD = $V^2 \div 64.4$
(12) HGL = HYDRAULIC GRADE LINE = E.G.L − Hv

* GIVEN

BRADFORD NORTH (faint)   9/22/97 (faint)

(4A)

CL = 166.59
TC = 166.63

Top 15" RCP = 164.63   IE = 163.19

2yr	1.51(.5)(3.80) = 2.87 cfs	15"	S > 0.16 %
10yr	1.51(.5)(5.19) = 3.92 cfs	15"	S > 0.31 %
25yr	1.51(.5)(6.04) = 4.56 cfs	15"	S > 0.42 %

(margin notes: 42.83, 1.00 %)

IE IN 162.7
IE OUT 162.5

(4B)

2yr	1.21(.5)(3.80) = 2.30 + 2.87 = 5.17 cfs	15"	S > 0.54 %
10yr	1.21(.5)(5.19) = 3.14 + 3.92 = 7.06 cfs	18"	S > 0.28 %
25yr	1.21(.5)(6.04) = 3.65 + 4.56 = 8.21 cfs	18"	S > 0.52 %

(margin notes: 40.7, 6.19 %)

IE OUT = 160.0

(3D)

℄ = 167.56   Top Inlet = 66.25   IE = 64.00
TC = 167.60

2yr	1.16(.5)(3.80) = 2.20 cfs	15" RCP	
10yr	1.16(.5)(5.19) = 3.01 cfs	15" RCP	
25yr	1.16(.5)(6.04) = 3.50 cfs	18" RCP	S > 0.25 %

(margin note: 40 ℄)

TC = 167.60   IE = 163.60

(3C)

2yr	0.6(.5)(3.80) = 1.14 + 2.20 = 3.34 cfs	15" RCP	S > 0.22 %
10yr	0.6(.5)(5.19) = 1.56 + 3.01 = 4.57 cfs	15" RCP	S > 0.42 %
25yr	0.6(.5)(6.04) = 1.81 + 3.50 = 5.31 cfs	15" RCP	S > 0.56 %

(margin note: 119.15)

TC = 167.28

(3E)

2yr	0.98(.5)(3.80) = 1.86 + 3.34 = 5.20 cfs	18" RCP	
10yr	0.98(.5)(5.19) = 2.54 + 4.57 = 7.11 cfs	18" RCP	S > 0.38 %
25yr	0.98(.5)(6.04) = 2.96 + 5.31 = 8.27 cfs	18" RCP	S > 0.52 %

(margin note: 42.31)

TC = 167.28

(3B)

2yr	0.54(.5)(3.80) = 1.03 + 5.20 = 6.23 cfs	18" RCP	S > 0.29 %
10yr	0.54(.5)(5.19) = 1.40 + 7.11 = 8.51 cfs	18" RCP	S > 0.56 %
25yr	0.54(.5)(6.04) = 1.63 + 8.27 = 9.90 cfs	18" RCP	S > 0.75 %

(margin note: 44.62)

(3A)

BRADFORD NORTH 9/22/97

(6A)

2 yr. 1.24 (.5) (3.80) = 2.36 cfs 15" RCP

10 yr. 1.24 (.5) (5.19) = 3.22 cfs 15" RCP S > 0.21 %

25 yr. 1.24 (.5) (6.04) = 3.74 cfs 15" RCP S > 0.28 %

Top MH = 162.50

tc = 28 min

(5A) 2 yr = 23 (.5) (2.30) = 26.45 cfs 36" RCP S > 0.16 %

239.00 10 yr = 23 (.5) (3.31) = 38.07 cfs 36" RCP S > 0.28 %

25 yr 23 (.5) (3.91) = 44.97 cfs 36" RCP S > 0.40 %

100 yr 23 (.5) (4.84) = 55.66 cfs

18 + 52.08

tc = 40 TZ = 165.99

(5B) 2 yr = 1.63 (.5) (2.23) = 1.82 + 26.45 = 28.27 cfs 36" RCP S > .16 %

109.62 10 yr = 1.63 (.5) (3.22) = 2.62 + 38.07 = 40.69 cfs 36" RCP S > 0.33 %

25 yr 1.63 (.5) (3.80) = 3.10 + 44.97 = 48.07 cfs 36" RCP S > 0.45 %

100 yr 1.63 (.5) (4.71) = 3.84 + 55.66 = 59.50 cfs

13 + 06.15

tc = 165.56

(5C) 2 yr 1.71 (.5) (2.23) = 1.91 + 28.27 = 30.18 cfs 36" RCP S > 0.18 %

42.42 10 yr 1.71 (.5) (3.22) = 2.75 + 40.69 = 43.44 cfs 36" RCP S > 0.37 %

25 yr 1.71 (.5) (3.80) = 3.25 + 48.07 = 51.32 cfs 36" RCP S > 0.51 %

100 yr 1.71 (.5) (4.71) = 4.03 + 59.50 = 63.53 cfs

13 + 06.15

tc = 165.56

(5D) 2 yr 1.41 (.5) (2.23) = 1.57 + 30.18 = 31.75 cfs 36" RCP S > 0.19 %

10 yr 1.41 (.5) (3.22) = 2.27 + 43.44 = 45.71 cfs 36" RCP S > 0.40 %

25 yr 1.41 (.5) (3.80) = 2.68 + 51.32 = 54.00 cfs 36" RCP S > 0.56 %

100 yr 1.41 (.5) 4.71) = 3.32 + 63.53 = 66.85 cfs

184

OUTFALL 155 ??

BRADFORD NORTH 9/24/97

	STA.	SIDE	DRAINAG AREA	STRUC. ID	TYPE	Q INLET	Q PIPE	SIZE	AREA	R	K	Sf	Li (ft)	Hf (ft)	V	Hj	Hmh	E.G.L.	Hv	H.G.L.	CROWN ELEV.	CLEARANCE
0	0.00			5	OUTLET												BEGINNING HGL=			162		
							31.75	36	7.068	0.75	723	0.001931	189	0.365	4.49	0.16	0.02	162.31	0.31			
																		162.68	0.31	162.3649	165.56	-3.20
1	89.00			5d	INLET	1.57												162.85	0.28	162.57	165.56	-2.99
							30.18	36	7.068	0.75	723	0.001744	42.42	0.07	4.27	0.14	0.02	162.93	0.28	162.65	165.56	-2.91
2	31.42			5c	INLET	1.91												163.09	0.25	162.84	165.56	-2.72
							28.27	36	7.068	0.75	723	0.001531	109.62	0.17	4.00	0.12	0.02	163.26	0.25	163.01	165.99	-2.98
3	41.04			5b	INLET	1.82												163.40	0.22	163.18	165.99	-2.81
							26.45	36	7.068	0.75	723	0.001340	239	0.320	3.74	0.11	0.02	163.72	0.22	163.51	162.50	1.01
5	80.04			5a	INLET	26.45												163.85	0.00	163.85	162.50	1.35

2 yr.

36" RCP

BRADFORD NORTH

9/24/97

	STA.	SIDE	DRAINAG AREA	STRUC. ID	TYPE	Q INLET	Q PIPE	SIZE	AREA	R	K	Sf	LI (ft)	Hf (ft)	V	HJ	Hmh	E.G.L.	Hv	H.G.L.	CROWN ELEV.	CLEARANCE
0	0.00			5	OUTLET												BEGINNING HGL=			162		
							45.71	36	7.068	0.75	723	0.004001	189	0.756	6.47	0.32	0.02	162.65	0.65			
																		163.41	0.65	162.7563	165.56	-2.80
1	89.00			5d	INLET	2.27												163.75	0.59	163.16	165.56	-2.40
							43.44	36	7.068	0.75	723	0.003614	42.42	0.15	6.15	0.29	0.02	163.90	0.59	163.32	165.56	-2.24
2	31.42			5c	INLET	2.75												164.22	0.51	163.70	165.56	-1.86
							40.69	36	7.068	0.75	723	0.003171	109.62	0.35	5.76	0.26	0.02	164.56	0.51	164.05	165.99	-1.94
3	41.04			5b	INLET	2.62												164.84	0.45	164.39	165.99	-1.60
							38.07	36	7.068	0.75	723	0.002776	239	0.663	5.39	0.23	0.02	165.51	0.45	165.05	162.50	2.55
5	80.04			5a	INLET	38.07												165.75	0.00	165.75	162.50	3.25

10 yr

36" RCP

BRADFORD NORTH 9/24/97

	STA.	SIDE	DRAINAG AREA	STRUC. ID	TYPE	Q INLET	Q PIPE	SIZE	AREA	R	K	Sf	Li (ft)	Hf (ft)	V	Hj	Hmh	E.G.L.	Hv	H.G.L.	CROWN ELEV.	CLEARANCE	
0	0.00			5	OUTLET																		
							66.85	36	7.068	0.75	723	0.008559	189	1.618	9.46	0.69	0.02	BEGINNING HGL = 163.39	1.39	162			
																		165.01	1.39	163.6176	165.56	-1.94	
1	89.00			5d	INLET	3.32												165.72	1.25	164.47	165.56	-1.09	
							63.53	36	7.068	0.75	723	0.007730	42.42	0.33	8.99	0.63	0.02	166.05	1.25	164.79	165.56	-0.77	
2	31.42			5c	INLET	4.03												166.70	1.10	165.60	165.56	0.04	HGL EXCEED MAX
							59.5	36	7.068	0.75	723	0.006780	109.62	0.74	8.42	0.55	0.02	167.44	1.10	166.34	165.99	0.35	HGL EXCEED MAX
3	41.04			5b	INLET	3.84												168.01	0.96	167.05	165.99	1.06	HGL EXCEED MAX
							55.66	36	7.068	0.75	723	0.005933	239	1.418	7.87	0.48	0.02	169.43	0.96	168.46	162.50	5.96	
5	80.04			5a	INLET	55.66												169.93	0.00	169.93	162.50	7.43	

100 yr

36" Pipe

BRADFORD NORTH 9/24/97

	STA.	SIDE	DRAINAG AREA	STRUC. ID	TYPE	Q INLET	Q PIPE	SIZE	AREA	R	K	Sf	Ll (ft)	Hf (ft)	V	Hj	Hmh	E.G.L.	Hv	H.G.L.	CROWN ELEV.	CLEARANCE
0	0.00			5	OUTLET												BEGINNING HGL=			162		
							31.75	42	9.621	0.87	1090	0.000848	189	0.160	3.30	0.08	0.02	162.17	0.17			
																		162.33	0.17	162.1604	165.56	-3.40
1	89.00			5d	INLET	1.57												162.43	0.15	162.28	165.56	-3.28
							30.18	42	9.621	0.87	1090	0.000767	42.42	0.03	3.14	0.08	0.02	162.47	0.15	162.31	165.56	-3.25
2	31.42			5c	INLET	1.91												162.56	0.13	162.43	165.56	-3.13
							28.27	42	9.621	0.87	1090	0.000673	109.62	0.07	2.94	0.07	0.02	162.64	0.13	162.50	165.99	-3.49
3	41.04			5b	INLET	1.82												162.72	0.12	162.61	165.99	-3.38
							26.45	42	9.621	0.87	1090	0.000589	239	0.141	2.75	0.06	0.02	162.86	0.12	162.75	162.50	0.25
5	80.04			5a	INLET	26.45												162.94	0.00	162.94	162.50	0.44

2 yr.
42" RCP

Bradford North

9/24/97

	STA.	SIDE	DRAINAG AREA	STRUC. ID	TYPE	Q INLET	Q PIPE	SIZE	AREA	R	K	Sf	Li (ft)	Hf (ft)	V	Hj	Hmh	E.G.L.	Hv	H.G.L.	CROWN ELEV.	CLEARANCE
0	0.00			5	OUTLET												BEGINNING HGL=			162		
							45.71	42	9.621	0.87	1090	0.001759	189	0.332	4.75	0.18	0.02	162.35	0.35			
1	89.00			5d	INLET	2.27												162.68	0.35	162.3324	165.56	-3.23
																		162.88	0.32	162.56	165.56	-3.00
							43.44	42	9.621	0.87	1090	0.001588	42.42	0.07	4.52	0.16	0.02	162.95	0.32	162.63	165.56	-2.93
2	31.42			5c	INLET	2.75												163.12	0.28	162.85	165.56	-2.71
							40.69	42	9.621	0.87	1090	0.001394	109.62	0.15	4.23	0.14	0.02	163.28	0.28	163.00	165.99	-2.99
3	41.04			5b	INLET	2.62												163.44	0.24	163.19	165.99	-2.80
							38.07	42	9.621	0.87	1090	0.001220	239	0.292	3.96	0.12	0.02	163.73	0.24	163.48	162.50	0.98
5	80.04			5a	INLET	38.07												163.87	0.00	163.87	162.50	1.37

10 yr

42" RCP

BRANCH BD NORTH 9/24/97

	STA.	SIDE	DRAINAG AREA	STRUC. ID	TYPE	Q INLET	Q PIPE	SIZE	AREA	R	K	Sf	Li (ft)	Hf (ft)	V	Hj	Hmh	E.G.L.	Hv	H.G.L.	CROWN ELEV.	CLEARANCE
0	0.00			5	OUTLET												BEGINNING HGL=			162		
							66.85	42	9.621	0.87	1090	0.003761	189	0.711	6.95	0.37	0.02	162.75	0.75			
																		163.46	0.75	162.7109	165.56	-2.85
1	89.00			5d	INLET	3.32												163.86	0.68	163.18	165.56	-2.38
							63.53	42	9.621	0.87	1090	0.003397	42.42	0.14	6.60	0.34	0.02	164.00	0.68	163.32	165.56	-2.24
2	31.42			5c	INLET	4.03												164.36	0.59	163.76	165.56	-1.80
							59.5	42	9.621	0.87	1090	0.002980	109.62	0.33	6.18	0.30	0.02	164.68	0.59	164.09	165.99	-1.90
3	41.04			5b	INLET	3.84												165.00	0.52	164.48	165.99	-1.51
							55.66	42	9.621	0.87	1090	0.002607	239	0.623	5.79	0.26	0.02	165.62	0.52	165.11	162.50	2.61
5	80.04			5a	INLET	55.66												165.90	0.00	165.90	162.50	3.40

100 YR

42" RCP

BRADFORD NORTH 9/23-97

	STA.	SIDE	DRAINAG AREA	STRUC. ID	TYPE	Q INLET	Q PIPE	SIZE	AREA	R	K	Sf	Ll (ft)	Hf (ft)	V	Hj	Hmh	E.G.L.	Hv	H.G.L.	CROWN ELEV.	CLEARANCE
0	0.00			8	OUTLET												BEGINNING HGL=			162		
							20.89	24	3.142	0.50	245	0.007256	180	1.306	6.65	0.34	0.02	162.69	0.69			
																		163.99	0.69	163.306	167.39	-4.08
1	80.00			8a	INLET	9												164.36	0.22	164.13	167.39	-3.26
							11.89	24	3.142	0.50	245	0.002351	61.29	0.14	3.78	0.11	0.02	164.50	0.22	164.28	167.53	-3.25
2	41.29			8g	INLET	3.87												164.63	0.32	164.31	167.53	-3.22
							8.02	18	1.767	0.37	114	0.004962	184.12	0.91	4.54	0.16	0.02	165.54	0.32	165.22	167.71	-2.49
4	25.41			8h	INLET	8.02												165.72	0.00	165.72	167.71	-1.99

10 yr.

BRADFORD NORTH 9/23/97

	STA.	SIDE	DRAINAG AREA	STRUC. ID	TYPE	Q INLET	Q PIPE	SIZE	AREA	R	K	Sf	LI (ft)	Hf (ft)	V	Hj	Hmh	E.G.L.	Hv	H.G.L.	CROWN ELEV.	CLEARANCE
0	0.00			8	OUTLET												BEGINNING HGL =			162		
							24.3	24	3.142	0.50	245	0.009818	180	1.767	7.73	0.46	0.02	162.93	0.93			
																		164.70	0.93	163.7672	167.39	-3.62
1	80.00			8a	INLET	14.4												165.18	0.15	165.03	167.39	-2.36
							9.9	24	3.142	0.50	245	0.001630	44.62	0.07	3.15	0.08	0.02	165.25	0.15	165.10	167.28	-2.18
2	24.62			8b	INLET	1.63												165.35	0.34	165.01	167.28	-2.27
							8.27	18	1.767	0.37	114	0.005276	42.31	0.22	4.68	0.17	0.02	165.57	0.34	165.23	167.28	-2.05
2	66.93			8e	INLET	2.96												165.76	0.14	165.62	167.28	-1.66
							5.31	18	1.767	0.37	114	0.002175	119.15	0.259	3.01	0.07	0.02	166.02	0.14	165.88	167.60	-1.72
3	86.08			8c	INLET	1.81												166.11	0.13	165.99	167.60	-1.61
							3.5	15	1.227	0.31	70	0.002499	40	0.100	2.85	0.06	0.02	166.21	0.13	166.09	166.25	-0.16
4	26.08			8d	DROP	3.5												166.30	0.00	166.30	166.25	0.05

25 yr

BRADFORD NORTH

9/23/97

	STA.	SIDE	DRAINAG AREA	STRUC. ID	TYPE	Q INLET	Q PIPE	SIZE	AREA	R	K	Sf	Li (ft)	Hf (ft)	V	Hj	Hmh	E.G.L.	Hv	H.G.L.	CROWN ELEV.	CLEARANCE
0	0.00			8	OUTLET												BEGINNING HGL =			162		
							24.3	24	3.142	0.50	245	0.009818	180	1.767	7.73	0.46	0.02	162.93	0.93			
																		164.70	0.93	163.7672	167.39	-3.62
1	80.00			8a	INLET	10.47												165.18	0.30	164.88	167.39	-2.51
							13.83	24	3.142	0.50	245	0.003180	61.29	0.19	4.40	0.15	0.02	165.38	0.30	165.07	167.53	-2.46
2	41.29			8g	INLET	4.5												165.55	0.43	165.11	167.53	-2.42
							9.33	18	1.767	0.37	114	0.006715	184.12	1.24	5.28	0.22	0.02	166.78	0.43	166.35	167.71	-1.36
4	25.41			8h	INLET	9.33												167.02	0.00	167.02	167.71	-0.69

25 yr

Bannon. 4-18-05

Kenny Hill - Poe - GS, CC, VH, JA

Says 31-A-ft design - Only need 22 Ac-Ft

Pond

Overexc. Wetlands 1' in 1' of wetlands.

Move Wetlands.

Crest weir @ 46.2

43.2 normal water new pond.

Same as downstream.

File adj. CUP and final plat.

Can S. outlets be lowered? to gravity to Slawson's Pond.

Cowskin 4-11-05

Tim Meyer

drainage –

OSHNER & Neville ground

Neville $316,500 $656,783

Orig $8,000/ac. 16.

Impact to front area 75%

Project Agr. w/ Corps –

Auth for Constr. – $3.4 M

Des ∴ R/W already done

Who will bid? Who insp?

Sec 205 Corps 65% - 35% RW incl.

Carrier, Christopher

From: Carrier, Christopher
Sent: Tuesday, April 12, 2005 4:16 PM
To: Glassman, Kelli
Subject: RE: College Hill Park Drainage

Sensitivity: Private

I am in the process of trying to find the plan and cost estimate we did for Park two or three years ago. I found a memo to Kupper that said the project would cost between $25,000 and $55,000 depending on how much work Park could do with their own forces. Bottom line is that I will do it with storm water hot spot project money, but I will have to get a design done and get it bid. As far as a completion date, I'd say late summer or early winter. I plan to pursue this as I think she will want us to proceed.

-----Original Message-----
From: Glassman, Kelli
Sent: Tuesday, April 12, 2005 2:50 PM
To: Kupper, Doug; Carrier, Christopher
Subject: FW: College Hill Park Drainage
Sensitivity: Private

Good afternoon, gentleman -

I understand that you had a meeting on this issue last week. Can you provide me an update for Council Member Schlapp?

Thanks so much and have a great rest of the day :)

Kelli Glassman
Neighborhood Assistant District 2
City Manager's Office, 13th Floor
455 North Main
Wichita, KS 67202
Telephone: (316) 268-4351
Fax: (316) 268-4519
KGlassman@wichita.gov

-----Original Message-----
From: Kupper, Doug
Sent: Monday, March 28, 2005 8:11 AM
To: Glassman, Kelli
Cc: Carrier, Christopher
Subject: RE: College Hill Park Drainage
Sensitivity: Private

Park and DPW will be working on this, I believe Chris plans to have storm water use "hot spot" funding for this. Chris do you have a time line for it?

-----Original Message-----
From: Glassman, Kelli
Sent: Monday, March 28, 2005 8:06 AM
To: Kupper, Doug
Subject: College Hill Park Drainage
Sensitivity: Private

Good morning,

Council Member Schlapp received an e-mail from a citizen inquiring about the status of the College Hill Park drainage issue, particularly as it relates to the West Nile Virus, as this area is a prime breeding habitat for mosquitoes. Have we allocated the appropriate funds to take care of this prior to the summer season at College Hill Park?

Would be able to assist me with a response to this issue?

Thanks so much. I hope that you had a nice vacation last week and a HAPPY EASTER!

Kelli Glassman
Neighborhood Assistant District 2
City Manager's Office - 13th Floor
455 North Main
Wichita, KS 67202
Phone: (316) 268 - 4351
Fax: (316) 268 - 4519
KGlassman@wichita.gov

POE & ASSOCIATES OF KANSAS, INC.
CONSULTING ENGINEERS
434 N. Oliver, Suite 110 - Wichita, KS 67208
316/685-4114 - FAX 316/685-4444

March 30, 1996

Mr. William Cather
2935 South Seneca
Wichita, KS 67217-2863

Re: Bradford North Addition

Dear Mr. Cather:

The Consultants have submitted their Wetland Delineation Draft Report, which concludes that no wetlands occur onsite. Enclosed is a copy of their Executive Summary. I understand that the next step is to ask for the Natural Resource Conservation Service concurrence.

I will let you know if there are any changes in the determination. Please call me if you have any questions.

Yours truly,

POE & ASSOCIATES OF KANSAS, INC.

James M. Thompson, P.E.
President

cc: Mr. Chris Cherches
Mr. Jay Russell

EXECUTIVE SUMMARY

3-AH Inc. plans to develop a quarter section tract of land located at 29th Street North and Tyler Street, Wichita, Sedgwick County, Kansas (T27S, R1W, ne ¼ Sec 5), as a housing development. A small portion of this quarter section has been identified by the U.S. Army Corps of Engineers as in need of a wetland determination for potential Section 404 dredge and fill permit regulation. The determination is necessary to ascertain the presence or absence of jurisdictional wetlands. The portion in question is located in the northwest ¼ of the project site, immediately south of 29th Street North, and approximately one-half mile east of Maize Road. A jurisdictional wetland delineation of this area was performed on March 11, 1996 by George Butler Associates, Inc. (GBA), Lenexa, Kansas. Based upon the onsite wetland delineation and a review of existing information, no jurisdictional wetlands or other waters of the U.S. occur onsite.