


# PRIVATE SANITARY SEWER EXTENSION, LIFT STATION AND FORCE MAIN

TO SERVE  
**KOCH WICHITA CAMPUS EXPANSION**

PRIVATE PROJECT NO. 2176 PPS (607861)

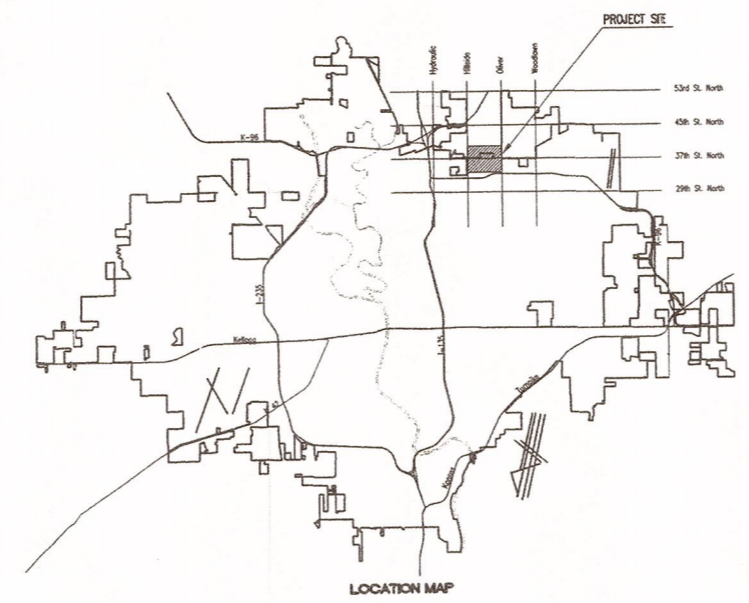
**CITY OF WICHITA, KANSAS**  
 GARY JANZEN, P.E.- CITY ENGINEER

T. Mason - City of Wichita, Inspector  
 Release Date: 3/30/2015  
 : apr 4/2/2015

| AS BUILTS  |  |
|--|--|
| Contractor:<br>Nowak<br>Construction Co.,<br>LLC.<br>3/26/2015 | Project Inspector:<br>Larry Gann<br><br>117 E. Lewis, Wichita, KS 67202 (316)264-0242 |

**INDEX OF SHEETS**

|                              |  |
|------------------------------|--|
| SHEET NO. C-7.00             | TITLE SHEET  |
| SHEET NO. C-7.01             | KEY MAP AND GENERAL NOTES                                  |
| SHEET NO. C-7.02             | LIFT STATION/FORCE MAIN PLAN AND SANITARY SEWER LINE NO. 1 |
| SHEET NO. C-7.03             | LIFT STATION DETAILS                                       |
| SHEET NO. C-7.04             | PRECAST SANITARY SEWER MANHOLE DETAILS                     |
| SHEET NO. C-7.05             | MANHOLE FRAME & COVER DETAILS                              |
| SHEET NO. C-8.01 THRU C-8.03 | SOIL EROSION BMP DETAILS                                   |
| SHEET NO. E-10.10            | ELECTRICAL SCHEDULES AND DETAILS                           |
| SHEET NO. E-10.11            | PLANS AND DETAILS  |



APPROVED AS NOTED  
 BY CITY ENGINEER OF WICHITA

Engineering *Rhodes D-wj* 4/11/14

**NOTE TO CONTRACTORS**

Inspection and testing for this project are to be provided by a Licensed Consulting Engineering Firm under contract with the Owner/Developer. Said inspection to be in accordance with the City of Wichita standard construction engineering practices and certified by a Licensed Professional Engineer. No work shall be performed in dedicated easements or public right-of-way by the Contractor without such inspection, nor shall any work be commenced without written authorization by the City Engineer.

**APRIL 2014**  
 PLANS PREPARED BY  
**PROFESSIONAL ENGINEERING CONSULTANTS, P.A.**  
 ENGINEERS  
 WICHITA, KANSAS



3500 North Rock Road  
 1444 SCD Wichita, KS 67226  
 316-634-1111 (p) 316-634-1000 (f)



project no.  
 1221402

The drawing and all information hereon is the property of Howard+Helmmer Architecture and is not to be copied or used in any way without the express written consent of Howard+Helmmer Architecture. All drawings are subject to change without notice and the engineer assumes no liability for the project and unpublished work of the architect.

Copyright © 2013  
 Howard+Helmmer  
 Architecture

KOCH WICHITA CAMPUS EXPANSION - BUILDING 'H' AND PHASE III SITEWORK



sheet  
**C-7.00**

Drawn 04-07-2013 11:21:08 AM by JAR  
 P:\2176\2176\001\_SIT\_CAMPUS\_EXPANSION\_PPS\_TITLESHEET.dwg  
 P:\2176\2176\001\_SIT\_CAMPUS\_EXPANSION\_PPS\_TITLESHEET.dwg

# PRIVATE SANITARY SEWER EXTENSION, LIFT STATION AND FORCE MAIN

TO SERVE  
**KOCH WICHITA CAMPUS EXPANSION**

PRIVATE PROJECT NO. 2176 PPS (607861)

**CITY OF WICHITA, KANSAS**


GARY JANZEN, P.E.- CITY ENGINEER

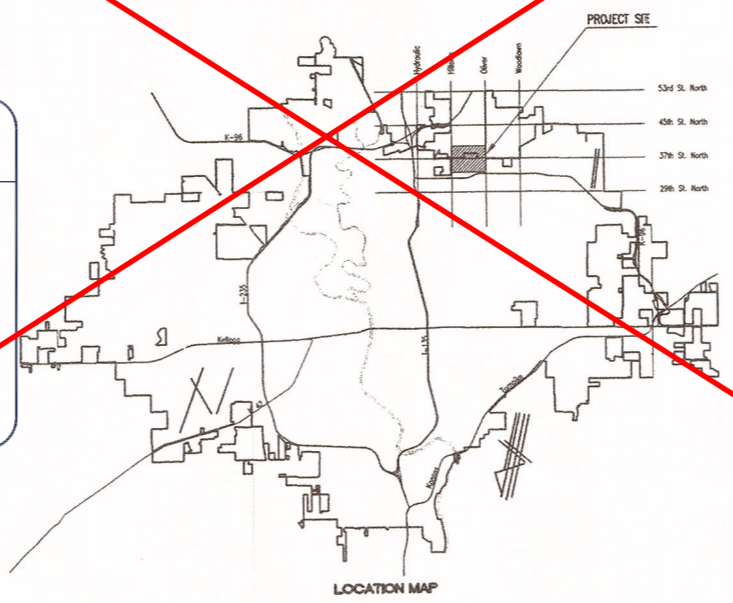
Partial completion  
 From Sta. 0+16 to 0+80, Line 1

**INDEX OF SHEETS**

|                              |  |
|------------------------------|--|
| SHEET NO. C-7.00             | TITLE SHEET  |
| SHEET NO. C-7.01             | KEY MAP AND GENERAL NOTES                                  |
| SHEET NO. C-7.02             | LIFT STATION/FORCE MAIN PLAN AND SANITARY SEWER LINE NO. 1 |
| SHEET NO. C-7.03             | LIFT STATION DETAILS                                       |
| SHEET NO. C-7.04             | PRECAST SANITARY SEWER MANHOLE DETAILS                     |
| SHEET NO. C-7.05             | MANHOLE FRAME & COVER DETAILS                              |
| SHEET NO. C-8.01 THRU C-8.03 | SOIL EROSION BMP DETAILS                                   |
| SHEET NO. E-10.10            | ELECTRICAL SCHEDULES AND DETAILS                           |
| SHEET NO. E-10.11            | PLANS AND DETAILS  |

**AS BUILTS**

|  |  |
|--|--|
| Contractor:<br>Nowak<br>Construction Co.,<br>LLC.<br>10/1/2014 | Project Inspector:<br>Larry Gann<br><br><br><b>KEMILLER</b><br>ENGINEERING P.A.<br>117 E. Lewis, Wichita, KS 67202 (316)264-0242 |
|--|--|



APPROVED AS NOTED  
 BY CITY ENGINEER OF WICHITA

Engineering *Rhonda D. ...* 4/11/14

**NOTE TO CONTRACTORS**

*Inspection and testing for this project are to be provided by a Licensed Consulting Engineering Firm under contract with the Owner/Developer. Said inspection to be in accordance with the City of Wichita standard construction engineering practices and certified by a Licensed Professional Engineer. No work shall be performed in dedicated easements or public right-of-way by the Contractor without such inspection, nor shall any work be commenced without written authorization by the City Engineer.*

**APRIL 2014**  
 PLANS PREPARED BY  
**PROFESSIONAL ENGINEERING CONSULTANTS, P.A.**  
 ENGINEERS  
 WICHITA, KANSAS



3500 north rock road  
 444 SCD Wichita, KS 67226  
 316-634-1111 (p) 316-634-1000 (f)



project no.  
 1221402

The drawings and all information hereon are the property of Howard+Helmer Architecture and a part of the contract. No part of this drawing shall be copied, reproduced, or used in any way without the express written consent of Howard+Helmer Architecture. All drawings are subject to change without notice. The engineer's responsibility is limited to the project and unpublished work of the architect.

Copyright ©2013  
 Howard+Helmer  
 Architecture

KOCH WICHITA CAMPUS EXPANSION - BUILDING 'H' AND PHASE III SITEWORK



4116 23rd STREET NORTH  
 WICHITA, KANSAS 67220

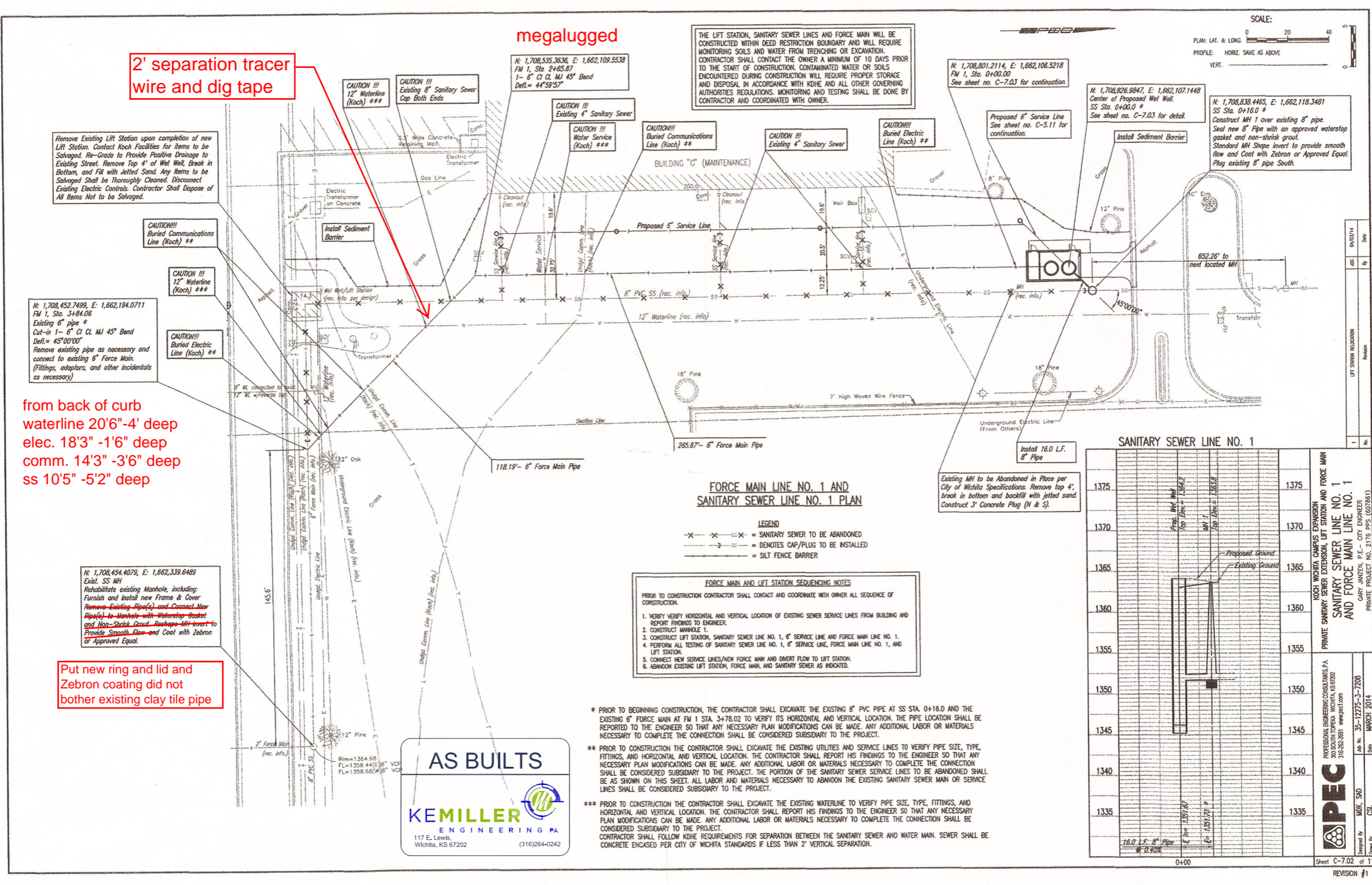


sheet  
**C-7.00**

Drawn: 04-07-2013 11:21:08 AM by: [unclear]  
 P:\2176\2176\001\_SIT\_CAMPUS\_3\_1213\_01-07\_00-PPS TITLE SHEET







2' separation tracer wire and dig tape

from back of curb  
waterline 20'6"-4' deep  
elec. 18'3"-1'6" deep  
comm. 14'3"-3'6" deep  
ss 10'5"-5'2" deep

Put new ring and lid and  
Zebron coating did not  
bother existing clay tile pipe

**AS BUILTS**

**KEMILLER ENGINEERING PA**  
117 E. Lewis,  
Wichita, KS 67202 (316)264-0242

- \* PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE THE EXISTING 6" PVC PIPE AT SS STA. 0+16.0 AND THE EXISTING 6" FORCE MAIN AT FM 1 STA. 3+78.02 TO VERIFY ITS HORIZONTAL AND VERTICAL LOCATION. THE PIPE LOCATION SHALL BE REPORTED TO THE ENGINEER SO THAT ANY NECESSARY PLAN MODIFICATIONS CAN BE MADE. ANY ADDITIONAL LABOR OR MATERIALS NECESSARY TO COMPLETE THE CONNECTION SHALL BE CONSIDERED SUBSIDIARY TO THE PROJECT.
- \*\* PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL EXCAVATE THE EXISTING UTILITIES AND SERVICE LINES TO VERIFY PIPE SIZE, TYPE, FITTINGS, AND HORIZONTAL AND VERTICAL LOCATION. THE CONTRACTOR SHALL REPORT HIS FINDINGS TO THE ENGINEER SO THAT ANY NECESSARY PLAN MODIFICATIONS CAN BE MADE. ANY ADDITIONAL LABOR OR MATERIALS NECESSARY TO COMPLETE THE CONNECTION SHALL BE CONSIDERED SUBSIDIARY TO THE PROJECT. THE PORTION OF THE SANITARY SEWER SERVICE LINES TO BE ABANDONED SHALL BE AS SHOWN ON THIS SHEET. ALL LABOR AND MATERIALS NECESSARY TO ABANDON THE EXISTING SANITARY SEWER MAIN OR SERVICE LINES SHALL BE CONSIDERED SUBSIDIARY TO THE PROJECT.
- \*\*\* PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL EXCAVATE THE EXISTING WATERLINE TO VERIFY PIPE SIZE, TYPE, FITTINGS, AND HORIZONTAL AND VERTICAL LOCATION. THE CONTRACTOR SHALL REPORT HIS FINDINGS TO THE ENGINEER SO THAT ANY NECESSARY PLAN MODIFICATIONS CAN BE MADE. ANY ADDITIONAL LABOR OR MATERIALS NECESSARY TO COMPLETE THE CONNECTION SHALL BE CONSIDERED SUBSIDIARY TO THE PROJECT. CONTRACTOR SHALL FOLLOW KDHE REQUIREMENTS FOR SEPARATION BETWEEN THE SANITARY SEWER AND WATER MAIN. SEWER SHALL BE CONCRETE ENCASED PER CITY OF WICHITA STANDARDS IF LESS THAN 2' VERTICAL SEPARATION.

Saved 04-03-2014 1:43:00 PM by CSJ  
C:\0203\2275\001\SITE CON\WASG 31275-001-C7-02 -LIFT STATION PLAN



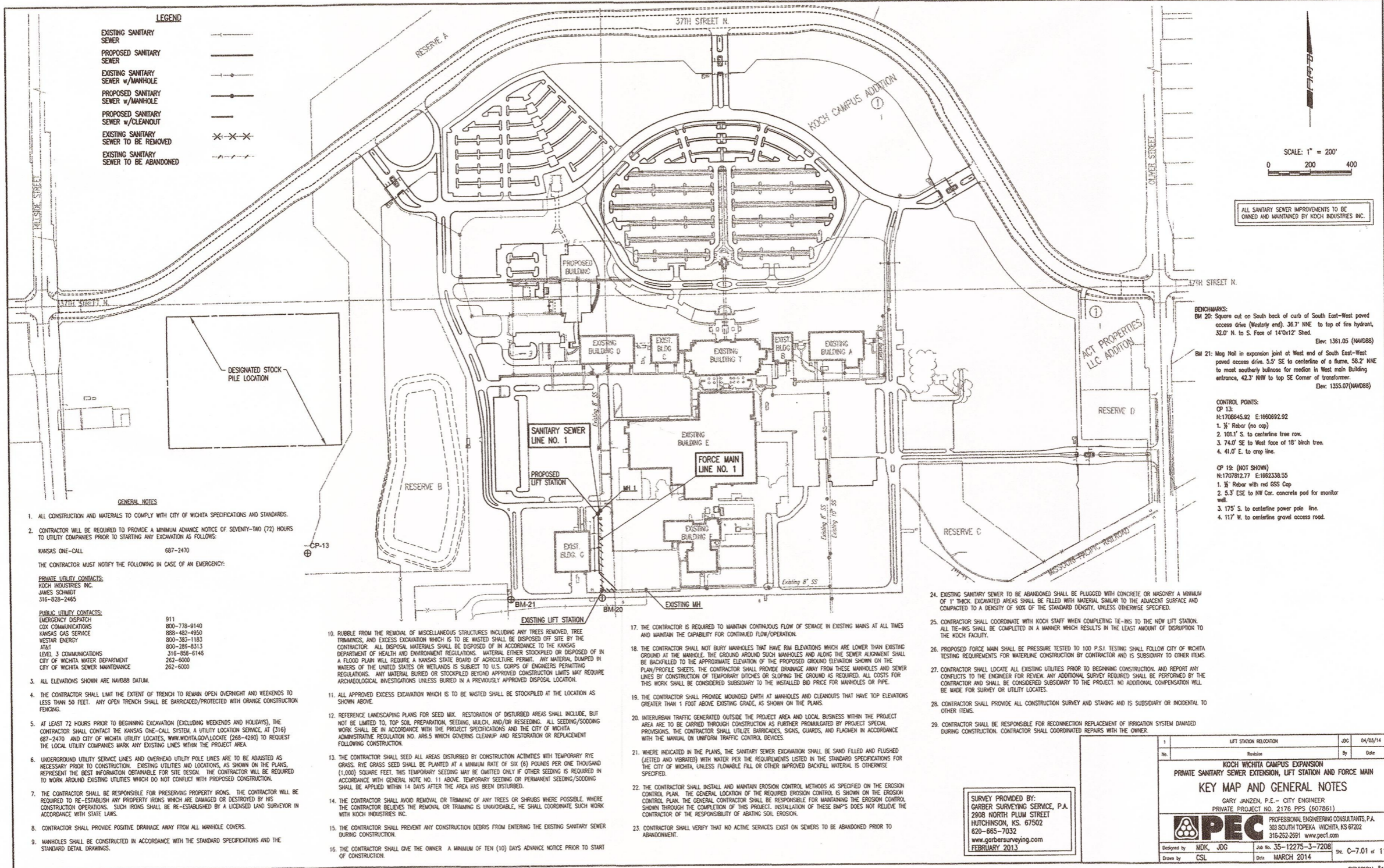
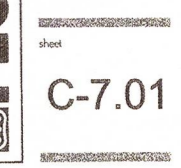
2000 north rock road  
1445 S.W. 10th St. Suite 107  
316.634.1111 (p) 316.634.1111 (f)



project no.  
2224.02  
The drawing and all information herein is the sole property of Howard + Helmer Architecture and is to be used only for the project and location specified. No part of this drawing may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written consent of Howard + Helmer Architecture. Any unauthorized use of this drawing is strictly prohibited. The original and unaltered work of the architect is the only valid reference.

control points:  
CP 13:  
N:1708645.92 E:1860692.92  
1. 1/2" Rebar (no cap)  
2. 101.1' S. to centerline tree row.  
3. 74.0' SE to West face of 18" black tree.  
4. 41.0' E. to crop line.  
CP 19: (NOT SHOWN)  
N:1707812.77 E:1862338.55  
1. 1/2" Rebar with red GSS Cap  
2. 5.3' ESE to NW Cor. concrete pad for monitor well.  
3. 175' S. to centerline power pole line.  
4. 117' W. to centerline gravel access road.

Koch Wichita Campus Expansion - Building 'H' and Phase III Sitemwork



Sent 04-02-2014 1:30:00 PM by CSL  
 Proj: 2224.02 - 11/16/13 - 2/14/14 - 10/22/14  
 C:\Users\CSL\Documents\2224.02 - 11/16/13 - 2/14/14 - 10/22/14.dwg

SURVEY PROVIDED BY:  
GARBER SURVEYING SERVICE, P.A.  
2908 NORTH PLUM STREET  
HUTCHINSON, KS. 67502  
620-665-7032  
www.garbersurveying.com  
FEBRUARY 2013

| 1  |          | LIFT STATION RELOCATION |      | JDC | 04/03/14 |
|--|----------|-------------------------|------|-----|----------|
| No.  | Revision | By                      | Date |     |          |
| <b>KOCH WICHITA CAMPUS EXPANSION</b><br>PRIVATE SANITARY SEWER EXTENSION, LIFT STATION AND FORCE MAIN<br><b>KEY MAP AND GENERAL NOTES</b><br>GARY JANZEN, P.E. - CITY ENGINEER<br>PRIVATE PROJECT NO. 2176 PPS (607861)<br><b>APEC</b> PROFESSIONAL ENGINEERING CONSULTANTS, P.A.<br>303 SOUTH TOPEKA WICHITA, KS 67202<br>316-262-2691 www.apec.com<br>Designed by MDK, JDC Job No. 35-12275-3-7208 Sht. C-7.01 of 11<br>Drawn by CSL Date MARCH 2014 |          |                         |      |     |          |
| REVISION #1  |          |                         |      |     |          |