

| PROJECT NO. | YEAR | SHEET NO. | TOTAL SHEETS |
|-------------|------|-----------|--------------|
| KA-1006-04  | 2010 | 30A       | 71           |

# WATERLINE IMPROVEMENTS 47TH STREET FROM LULU TO HYDRAULIC

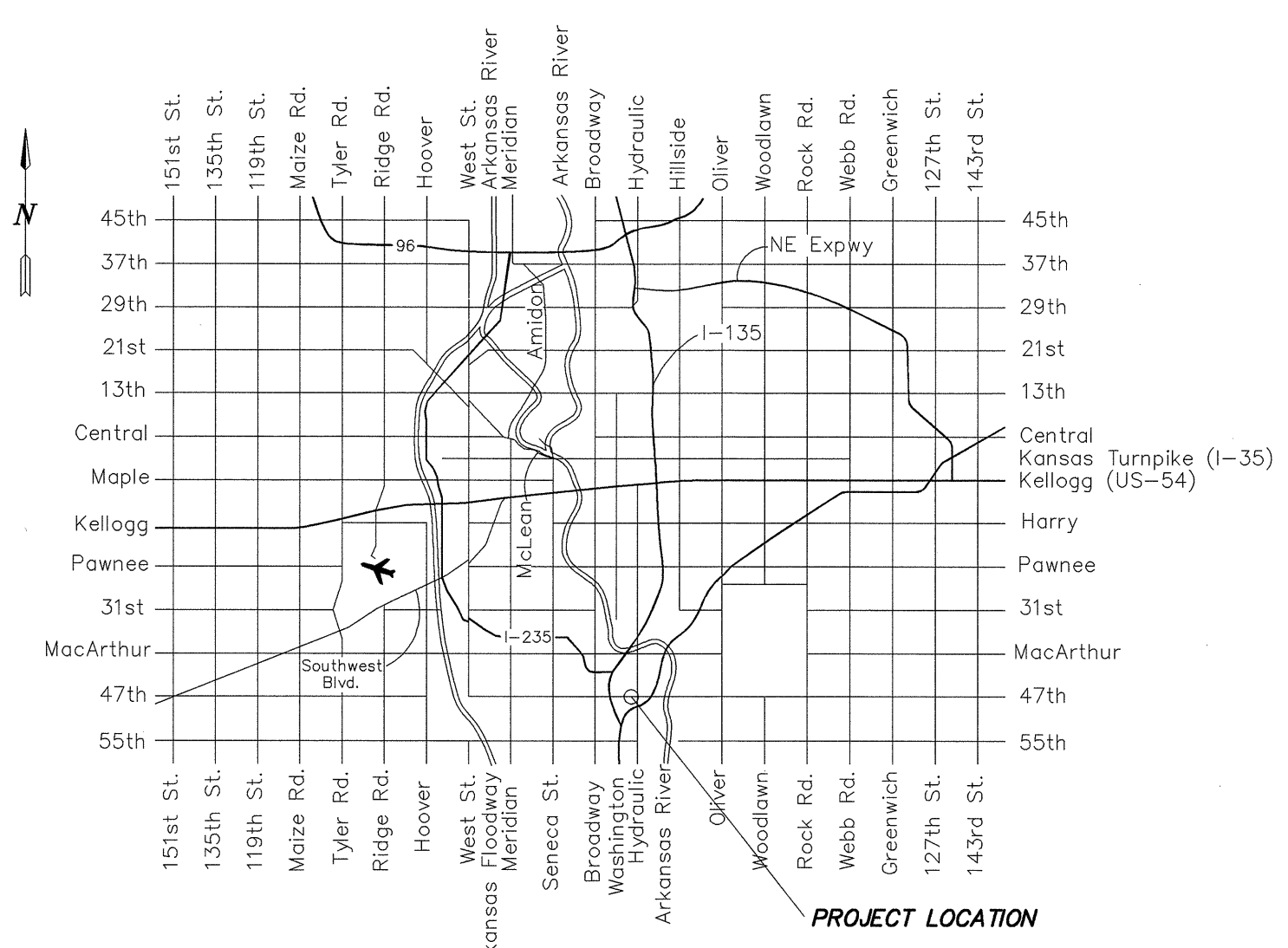
**CITY OF WICHITA PROJ. NO. 448-90460**  
**KDOT PROJ. NO. KA-1006-04**  
**OCA NO. 991306**  
**ARRA PROJ. NO. ARRA-KA 100(604)**

**CITY OF WICHITA, KANSAS**  
**JAMES L. ARMOUR, P.E., L.S. - CITY ENGINEER**

**KDOT PROJECT NO. KA-1006-04**  
**FEDERAL PROJECT NO. ARRA-KA 100(604)**

**CONCRETE PAVEMENT**  
**GRADING**  
**SEEDING**  
**SIGNING AND PAVEMENT MARKING**  
**WATER SYSTEM**

### LOCATION MAP



### UTILITY OWNERS

- |  |   |
|--|---|
| <b>KS Gas Service (Gas I)</b><br>1021 E. 26th St. N.<br>Wichita, KS 67219<br>Emergency<br>(888) 462-4950   | <b>AT&amp;T (F/UGT)</b><br>154 N. Broadway Rm. 210<br>Wichita, KS 67202<br>(800) 870-8390             |
| <b>Wichita Water Utilities (W/SS)</b><br>455 N. Main<br>Wichita, KS 67202<br>(Emergency) (316)262-6000     | <b>Westar (OHP)</b><br>1900 E. Central P.O. Box 208<br>Wichita, KS 67201<br>(Emergency) (316) 383-860 |
| <b>Cox Communications</b><br>901 George Washington Blvd.<br>Wichita, KS 67211<br>(Emergency) (316)262-0661 |   |

### CONVENTIONAL SIGNS

|                                       |                                |
|---------------------------------------|--------------------------------|
| COUNTY LINE .....                     | CENTER LINE OF PROJECT .....   |
| CITY LIMITS .....                     | TERRACE .....                  |
| STATE OR NATIONAL LINE .....          | CULVERTS .....                 |
| TOWNSHIP, SECTION or GRANT LINE ..... | DROP INLET & STORM SEWER ..... |
| PROPERTY LINE .....                   | ACCESS CONTROL .....           |
| HIGHWAY FENCE .....                   | POWER POLE .....               |
| EXISTING FENCE .....                  | TELEPHONE POLE .....           |
| GUARD FENCE .....                     | MARSH .....                    |
| CONSTRUCTION LIMITS .....             | HEDGE .....                    |
| RIGHT OF WAY LINE .....               | TREES .....                    |
| TRAVELED WAY .....                    | PROFILE ELEVATION .....        |
| RAILROADS .....                       | STREAM or CREEK .....          |
| EXISTING WATERLINE .....              |                                |
| EXISTING VALVE .....                  |                                |
| EXISTING WATER METER .....            |                                |
| EXISTING FIRE HYDRANT .....           |                                |
| PROPOSED WATERLINE .....              |                                |

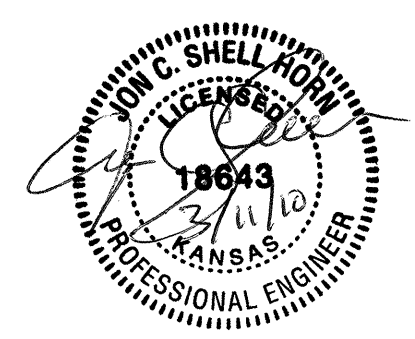
### INDEX OF SHEETS

- 30A TITLE SHEET
- 30B GENERAL NOTES & KEY MAP
- 30C WATERLINE ADJUSTMENTS NO'S. 1 @ 2
- 30D WATERLINE ADJUSTMENT NO. 3
- 30E STANDARD WATER ASSEMBLY DETAILS
- 30F STANDARD WATER ASSEMBLY DETAILS
- 30G STANDARD WATER ASSEMBLY DETAILS

Points Adjusted Coordinates in  
 SPC83 Grid Zone Kansas South  
 (Proj. Coord. + 1,000,000) x 0.999889596=  
 NGS State Plane Coord. NAD 1983  
 Vertical Datum: Sea Level Datum of NAVD 1988  
 Datum Bench Mark: NGS Station E349-HCP #11  
 2009 Elev. = 1276.41  
 PROJECT SURVEY CONTROL

PREPARED & SUBMITTED BY:  
**HNTB**  
 ENGINEERS ARCHITECTS PLANNERS

*James L. Armour*  
 Engineer  
 3/11/10  
 Date



|  |                      |   |
|--|----------------------|---|
| TITLE SHEET  |                      |   |
| CITY ENGINEER<br>JAMES L. ARMOUR, P.E., L.S.   |                      |   |
| PROJECT NUMBER<br>448-90460  | OCA NUMBER<br>991306 | DATE<br>3/10                                  |
| CITY ENGINEER'S OFFICE<br>CITY HALL - SEVENTH FLOOR<br>455 NORTH MAIN STREET<br>WICHITA, KANSAS 67202-1620<br>(316) 268-4501<br>(316) 268-4114 FAX |                      | DESIGN DRAWN<br>JCS MDP<br>SHEET<br>30A OF 71 |

Plotted on: Thursday March 11, 2010  
 mpo07fs  
 Plot Queue: \\cbsw001\kco001\FPS  
 Plot Scale: 408.0334041 Pen Table: 5037L\_fulpen  
 Design Filename: \\cbsw001\jobs\5037\WaterRes\CD\Details\47th\_Water\_11fhsheet.dgn



\\cbsw001\jobs\5037\WaterRes\CD\Details\47th\_Water\_11fhsheet.dgn