

**WATER WELL RECORD Form WWC-5**

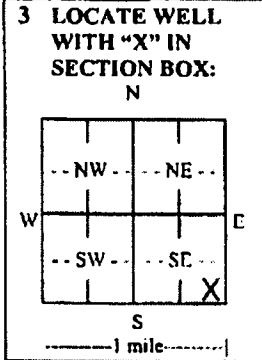
Original Record  Correction  Change in Well Use

Division of Water Resources App No.

Well ID MW-3

**1 LOCATION OF WATER WELL:** County: Stevens Fraction SE 1/4 SE 1/4 SE 1/4 SE 1/4 Section Number 16 Township Number T 33 S Range Number R 37  E  W

**2 WELL OWNER:** Last Name: Frontier Fuel First: P.O. Box 148 Street or Rural Address where well is located (if unknown, distance and direction from nearest town or intersection): If at owner's address, check here:   
 Address: P.O. Box 148 City: Liberal State: KS ZIP: 67905  
520 E. 11th Street, Hugoton, KS 67951



**4 DEPTH OF COMPLETED WELL:** 150 ft.

Depth(s) Groundwater Encountered: 1) 150 ft. 2)          ft. 3)          ft. or 4)  Dry Well

WELL'S STATIC WATER LEVEL: 117.30 ft.

below land surface, measured on (mo-day-yr) 3-9-17

above land surface, measured on (mo-day-yr)         

Pump test data: Well water was          ft. after          hours pumping          gpm

Well water was          ft. after          hours pumping          gpm

Estimated Yield:          gpm

Bore Hole Diameter: 8.5 in. to          ft. and          in. to          ft.

**5 Latitude:** 37.1703976 (decimal degrees)

**Longitude:** 101.3395787 (decimal degrees)

Horizontal Datum:  WGS 84  NAD 83  NAD 27

Source for Latitude/Longitude:  GPS (unit make/model: EPOCH) (WAAS enabled?  Yes  No)

Land Survey  Topographic Map  Online Mapper:         

**6 Elevation:** 3108.52 ft.  Ground Level  TOC

Source:  Land Survey  GPS  Topographic Map  Other         

**7 WELL WATER TO BE USED AS:**

1. Domestic:  Household  Lawn & Garden  Livestock

2.  Irrigation

3.  Feedlot

4.  Industrial

5.  Public Water Supply: well ID         

6.  Dewatering: how many wells?         

7.  Aquifer Recharge: well ID         

8.  Monitoring: well ID MW-3

9. Environmental Remediation: well ID         

Air Sparge  Soil Vapor Extraction  Recovery  Injection

10.  Oil Field Water Supply: lease         

11. Test Hole: well ID         

Cased  Uncased  Geotechnical

12. Geothermal: how many bores?         

a) Closed Loop  Horizontal  Vertical

b) Open Loop  Surface Discharge  Inj. of Water

13.  Other (specify):         

Was a chemical/bacteriological sample submitted to KDHE?  Yes  No If yes, date sample was submitted:         

Water well disinfected?  Yes  No

**8 TYPE OF CASING USED:**  Steel  PVC  Other          CASING JOINTS:  Glued  Clamped  Welded  Threaded

Casing diameter 4 in. to 110 ft., Diameter          in. to          ft., Diameter          in. to          ft.

Casing height above land surface 6 in. Weight          lbs./ft. Wall thickness or gauge No. Sch 40

**TYPE OF SCREEN OR PERFORATION MATERIAL:**

Steel  Stainless Steel  Fiberglass  PVC  Other (Specify)         

Brass  Galvanized Steel  Concrete tile  None used (open hole)

**SCREEN OR PERFORATION OPENINGS ARE:**

Continuous Slot  Mill Slot  Gauze Wrapped  Torch Cut  Drilled Holes  Other (Specify)         

Louvered Shutter  Key Punched  Wire Wrapped  Saw Cut  None (Open Hole)

**SCREEN-PERFORATED INTERVALS:** From 110 ft. to 150 ft., From          ft. to          ft., From          ft. to          ft.

**GRAVEL PACK INTERVALS:** From 108 ft. to 150 ft., From          ft. to          ft., From          ft. to          ft.

**9 GROUT MATERIAL:**  Neat cement  Cement grout  Bentonite  Other concrete 0-1ft

Grout Intervals: From 1 ft. to 108 ft., From          ft. to          ft., From          ft. to          ft.

**Nearest source of possible contamination:**

Septic Tank  Lateral Lines  Pit Privy  Livestock Pens  Insecticide Storage

Sewer Lines  Cess Pool  Sewage Lagoon  Fuel Storage  Abandoned Water Well

Watertight Sewer Lines  Seepage Pit  Feedyard  Fertilizer Storage  Oil Well/Gas Well

Other (Specify)         

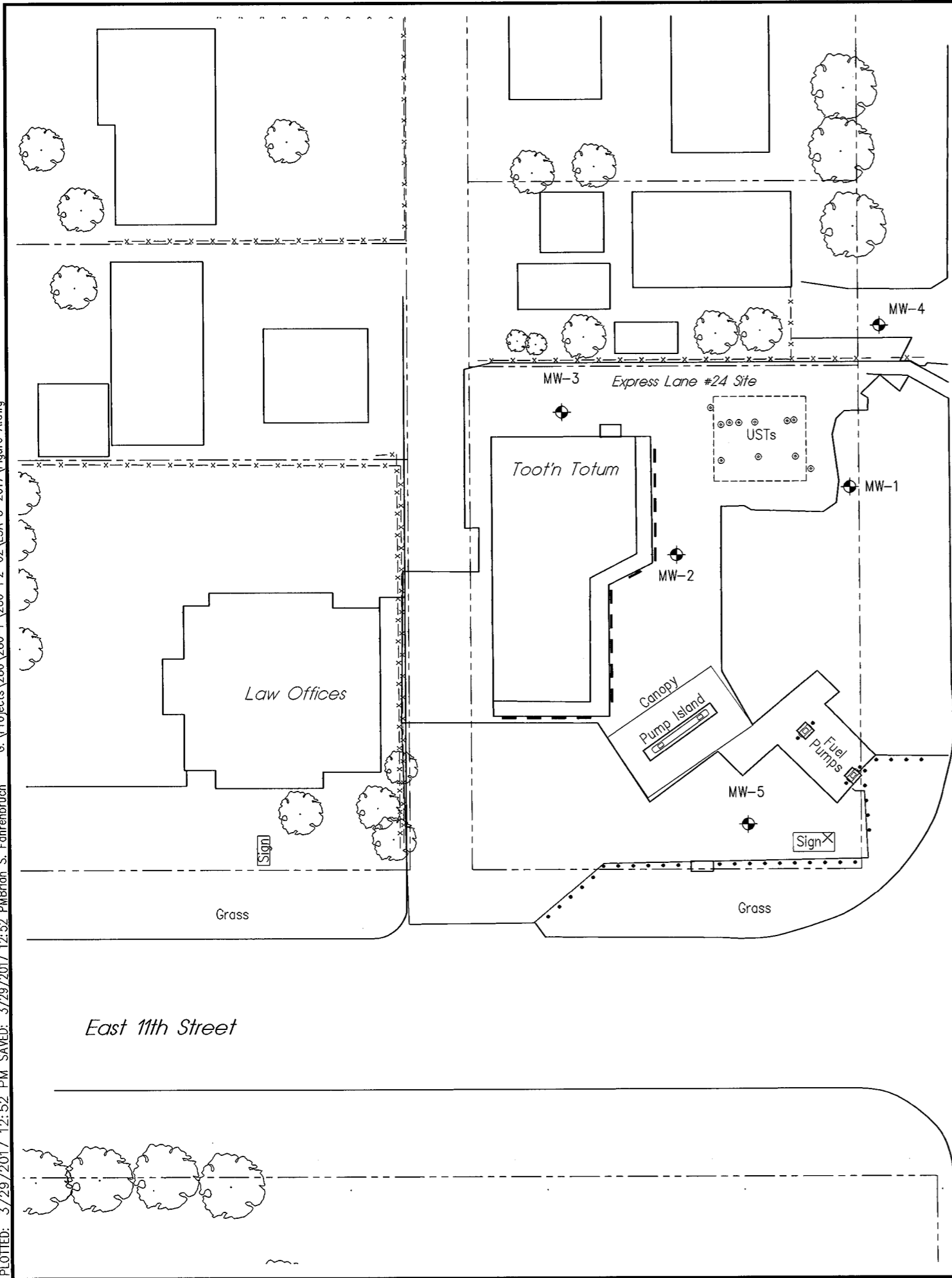
Direction from well? E Distance from well? 60 ft.

10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	0.5	Concrete with rebar			
0.5	18	Silt with clay & fine to med grained sand			
18	49	Sand with trace silty clay			
49	72	Sand with clay			
72	78	Sand with clay and caliche			
78	91	Sand, gravelly			
91	152	Clay and caliche with sand			
Notes: Express Lane #24 site; KDHE project code: U1-095-14878					

**11 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION:** This water well was  constructed,  reconstructed, or  plugged under my jurisdiction and was completed on (mo-day-year) 3-3-17 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 881. This Water Well Record was completed on (mo-day-year)          under the business name of Wootter Pump and Well. Signature         

Mail 1 white copy along with a fee of \$5.00 for each constructed well to: Kansas Department of Health and Environment, Bureau of Water, GWS Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Mail one to Water Well Owner and retain one for your records. Telephone 785-296-5524.

PLOTTED: 3/29/2017 12:52 PM. SAVED: 3/29/2017 12:52 PM. BRON S. Fahrenbruch  
 G:\Projects\286-P2-02\SA 3-2017\Figure A.dwg



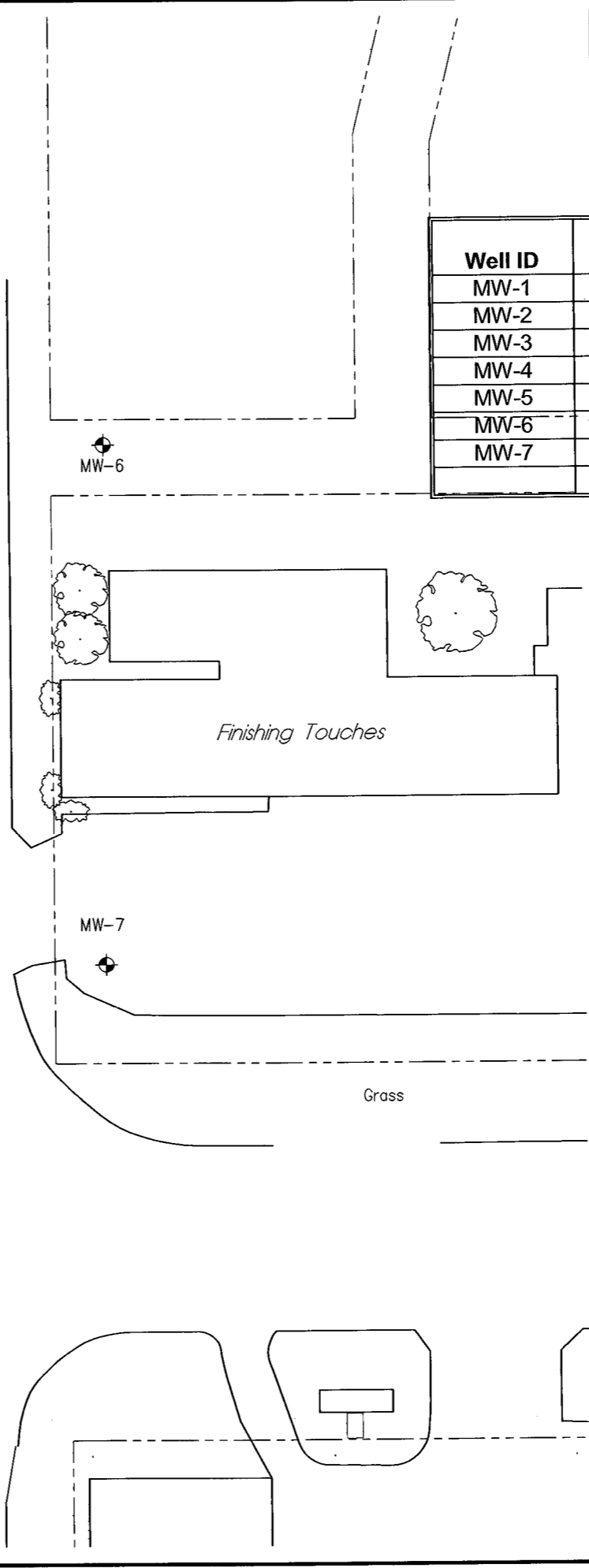
Rd. 13

S. Washington St.

**LEGEND**

- = MONITOR WELL
- = FENCE
- = TANK BASIN
- = APPROXIMATE ROW LINES

Well ID	Latitude	Longitude
MW-1	37.1703311	101.3392616
MW-2	37.1702707	101.3394528
MW-3	37.1703976	101.3395787
MW-4	37.1704750	101.3392284
MW-5	37.1700310	101.3393749
MW-6	37.1704407	101.3389304
MW-7	37.1700638	101.3389300



SCALE IN FEET

<p><b>EXPRESS LANE #24</b></p> <p><b>SITE MAP</b></p> <p>520 E. 11th STREET, HUGOTON, KANSAS - U1-095-14878</p>	<p>REVISIONS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	DATE	BY			
NO.	DATE	BY					
<p><b>MILCO</b></p> <p>Environmental Services, Inc.</p> <p>Kearney, NE (808) 237-6923          McCook, NE (808) 345-4741</p>							
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<p>SCALE: AS SHOWN</p> <p>PROJECT NO. M286-P2-02</p> <p>DATE: MARCH, 2017</p> <p>FIELD BOOK: M&amp;A DWG NO.</p> <p>DRAWN BY: BSF      APRVD BY:</p> <p>SHEET</p> <p style="text-align: right;"><b>FIGURE A</b></p>							