

WATER WELL RECORD Form WWC-5

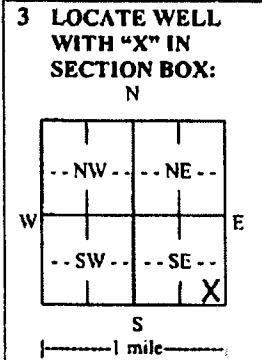
Original Record Correction Change in Well Use

Division of Water Resources App. No.

Well ID MW-1

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: Liberal State: KS ZIP: 67905
 Business: Frontier Fuel 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 148 520 E. 11th Street, Hugoton, KS 67951
 Address: _____
 City: Liberal



4 DEPTH OF COMPLETED WELL: 150 ft.
 Depth(s) Groundwater Encountered: 1) _____ ft.
 2) _____ ft. 3) _____ ft. or 4) Dry Well
 WELL'S STATIC WATER LEVEL: 117.55 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: 37.1703311 (decimal degrees)
Longitude: 101.3392616 (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: 3108.66 ft. Ground Level TOC
 Source: Land Survey GPS Topographic Map
 Other _____

7 WELL WATER TO BE USED AS:

1. Domestic: Household Lawn & Garden Livestock
 Irrigation
 Feedlot
 Industrial

2. Public Water Supply: well ID _____
 Dewatering: how many wells? _____
 Aquifer Recharge: well ID _____
 Monitoring: well ID MW-1
 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 107 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 107 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? NW Distance from well? 10 ft.

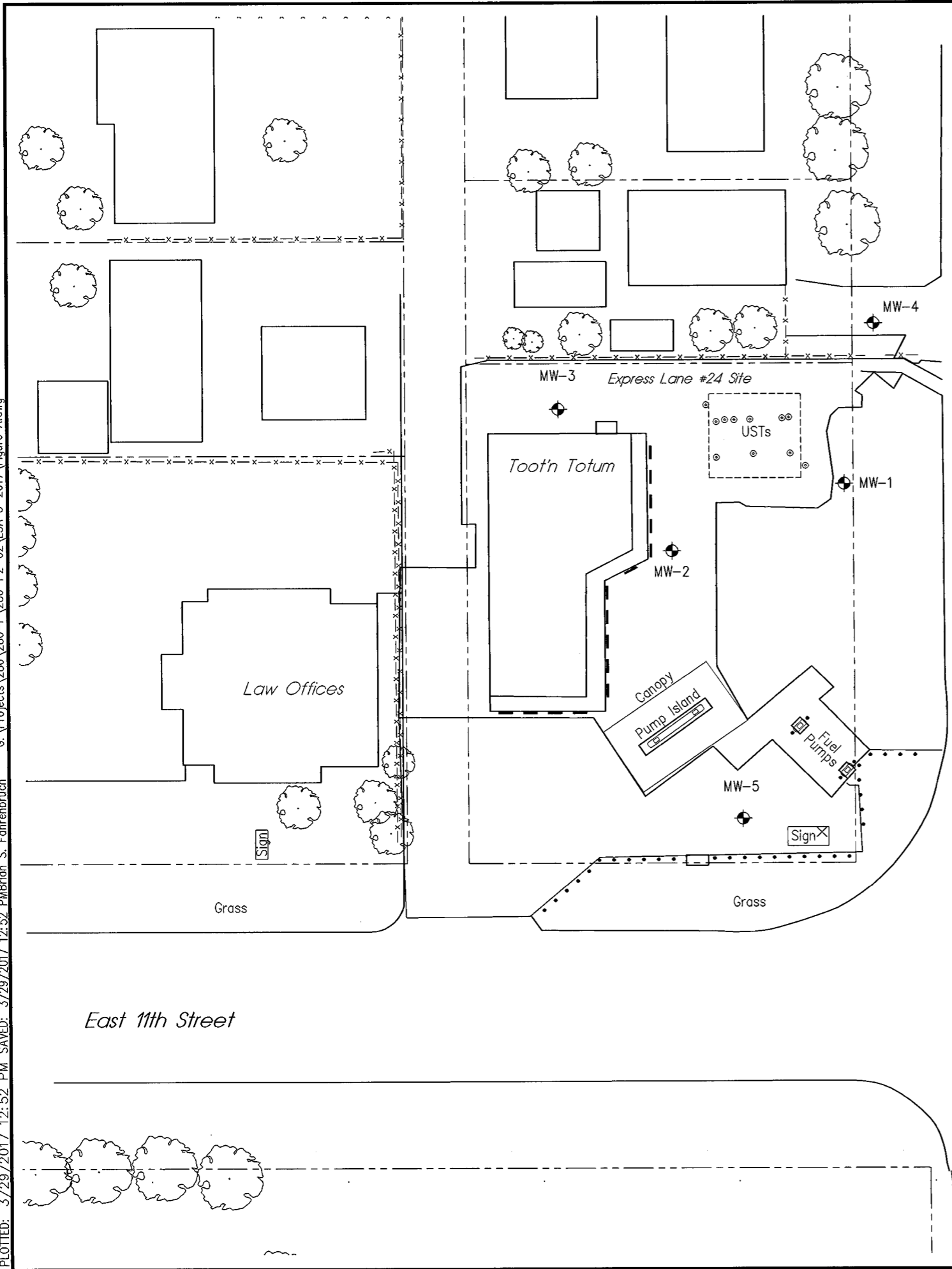
10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	0.5	Concrete			
0.5	21	Clayey Silt			
21	69	Sand with clay			
69	74	Sand with caliche and clay			
74	90	Sand, gravelly with clay and caliche			
90	150	Clay and caliche with sand			

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: [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, GWTS 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. Visit us at <http://www.kdheks.gov/waterwell/index.html> KSA 82a-1212 Revised 7/10/2015

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



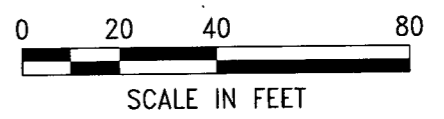
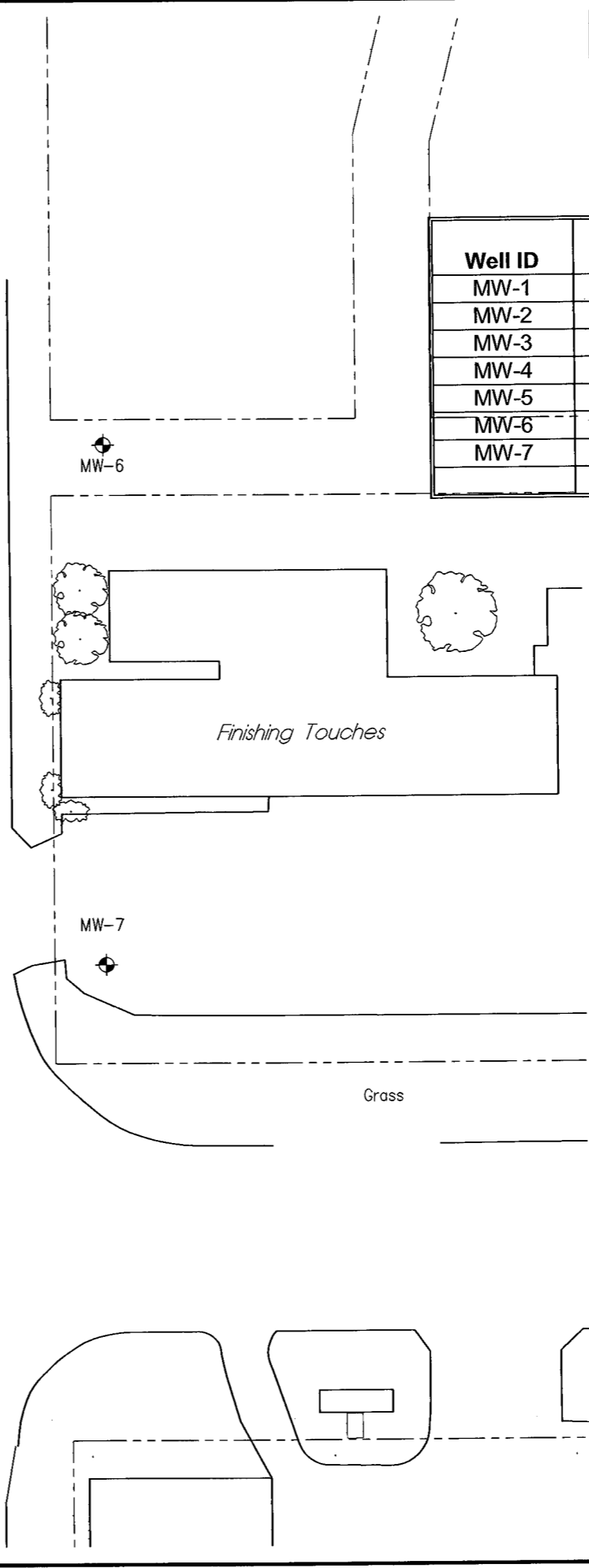
Rd. 13

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



REVISIONS	BY
MILCO Environmental Services, Inc. <small>Kearney, NE (808) 237-6923 McCook, NE (808) 345-4741</small>	
EXPRESS LANE #24 SITE MAP 520 E. 11th STREET, HUGOTON, KANSAS - U1-095-14878	
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SCALE: AS SHOWN PROJECT NO. M286-P2-02 DATE: MARCH, 2017 FIELD BOOK: M&A DWG NO. DRAWN BY: BSF SHEET:	FIGURE A