

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

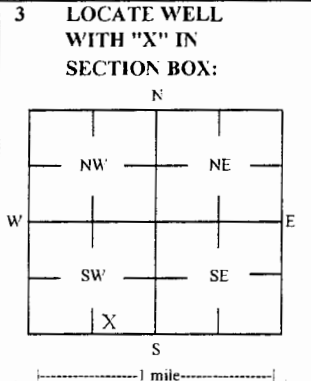
Well ID

MW19

Original Record Correction Change in Well Ust

1 LOCATION OF WATER WELL: County Wyandotte Fraction SW 1/4 SE 1/4 SW 1/4 Section Number 16 Township Number T 11 S Range Number R 25 E W

2 WELL OWNER: Last Name: First: 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: 1284 Kansas Ave. Kansas City, KS 66105



4 DEPTH OF COMPLETED WELL: 45 ft Depth(s) Groundwater Encountered: 1) 45 ft 2) ft 3) ft or 4) Dry Well WELL'S STATIC WATER LEVEL: 31.25 ft

5 Latitude: 39.08758 (decimal degrees) Longitude: 94.64406 (decimal degrees) Horizontal Datum: [X] WGS 84 [] NAD 83 [] NAD 27 Source for Latitude/Longitude: [] GPS (unit make/model:) (WAAS enabled? [] Yes [] No) [X] Land Survey [] Topographic Map [] Online Mapper

6 Elevation 752.83 ft [] Ground Level [X] TOC Source: [X] 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 [X] Monitoring: well ID MW19 9 Environmental Remediation: well ID [] Air Sparge [] Soil Vapor Extractor [] 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 [] Other (specify):

Was a chemical/bacteriological sample submitted to KDHE? [] Yes [X] No If yes, date sample was submitted: Water well disinfected? [] Yes [X] No

8 TYPE OF CASING USED: [] Steel [X] PVC [] Other CASING JOINTS: [] Glued [] Clamped [] Welded [X] Threaded Casing diameter 2 in. to 30 ft. Diameter in. to ft. Diameter in. to ft. Casing height above land surface -0.26 in. Weight lbs./ft. Well thickness or gauge No TYPE OF SCREEN OR PERFORATION MATERIAL: [] Steel [] Stainless Steel [] Fiberglass [X] PVC [] Brass [] Galvanized Steel [] Concrete tile [] None used (open hole) [] Other (Specify) SCREEN OR PERFORATION OPENINGS ARE: [] Continuous Slot [X] 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 30 ft. to 45 ft. From ft. to ft. From ft. to ft. GRAVEL PACK INTERVALS: From 28 ft. to 45 ft. From ft. to ft. From ft. to ft.

9 GROUT MATERIAL: [] Neat cement [] Cement grout [X] Bentonite [X] Other Concrete: 0-0.7' Grout intervals: From 0.7 ft. to 28 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 [X] Fuel Storage [] Abandoned Water Well [] Watertight Sewer Lines [] Seepage Pit [] Feedyard [] Fertilizer Storage [] Oil Well / Gas Well [] Other (Specify) Direction from well? SW Distance from well? ~140 ft

10 FROM TO LITHOLOGIC LOG FROM TO LITHO. LOG (cont.) or PLUGGING INTERVALS

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	0.4	Sandy clay			
0.4	5	Concrete foundation			
5	11	Medium grained sand			
11	17	Medium grained sand with some silt			
17	30	Fine grained sand			
30	45	Sand with some clay			

Notes: KDHE ID: Armourdale Muffler Shop; U4-105-01176

11 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was [X] constructed, [] reconstructed, or [] plugged under my jurisdiction and was completed on (mo-day-year) 7/30/18 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No 757 This Water Well Record was completed on (mo-day-year) 9/10/18 under the business name of Larsen & Associates, Inc. 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, 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.

Wyandotte

SW NE NW NW Section: 21 T:11S R: 25E

DENNIS L HANDKE

1820 NW 59th Terrace
TOPEKA, KANSAS 66618
785-286-4047 Home
785-286-1990 Fax

Jess Chapman
Larsen & Associates
1311 E. 25th Street, Suite B
Lawrence, Kansas, 66046
RE: Monitor Well Elevation Survey
1317 Kansas Ave., Kansas City, Kansas

September 5, 2018

Proj. 18-00Z
Armourdale Muffler Shop
U4-105-01176

Bench Mark: Square cut on top of curb at NW edge of parking lot.

Elev: 752.43 North 5176.09 West 3908.50 (from SE Cor. Sec. 21-11-25E)

MW-18	rim	757.81	North	4628.62	SW1/4,NE1/4,NW1/4,NW1/4
	top pipe	757.47	West	4387.11	Lat= 39.08570 Long = 94.64609
MW-19	rim	753.09	North	5309.72	SW1/4,SW1/4,SE1/4,SW1/4 (Sec. 16-11-25)
	top pipe	752.83	West	3805.62	Lat= 39.08758 Long = 94.64406

Lat & Long derived from Shawnee 7.5' quad map. WGS84

Elevation established from existing project.

If you have any questions, please feel free to call me. Thank you for the opportunity to be of service to you.

Dennis L Handke RLS
September 5, 2018
785-286-4047
Dennis L Handke
KANSAS
LAND SURVEYOR

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Wyandotte SW NE NW NW

NOTE: Figures exhibited within this report are only to be used within the context of this report. Placement of property lines, wells, structures, and roads is based on the available information from county appraiser maps, surveys, site visits, and/or previous vendor reports and should be considered approximate.

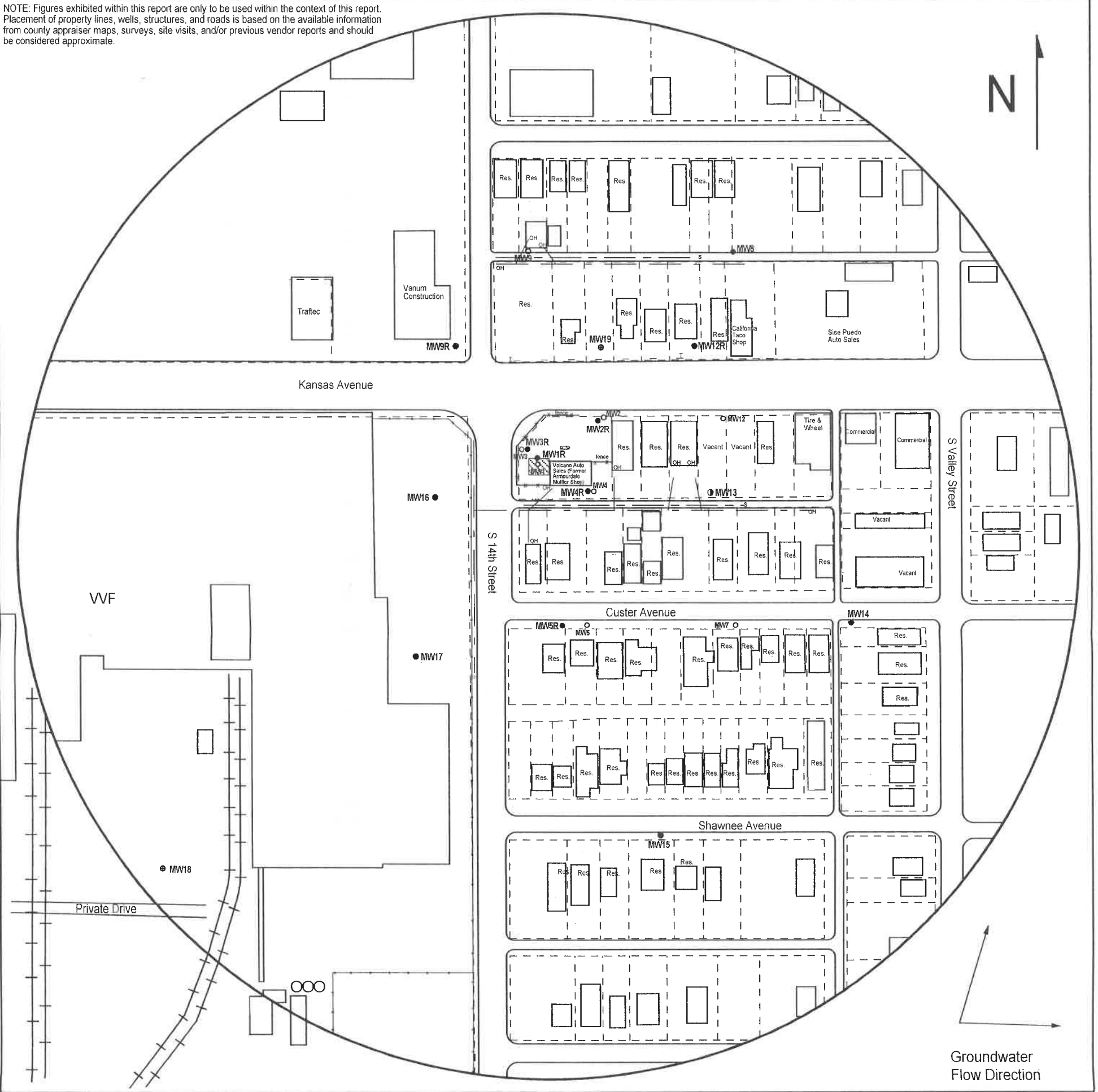


FIGURE 1 - 700 FT RADIUS AREA BASE MAP

LEGEND

- Approximate Location of Former UST Basin and Pump Islands
- Monitoring Well
- Destroyed Well
- Plugged Well
- Monitoring Well (Installed 7/30/18 & 8/13/18)
- Approximate Location of Property Line
- Overhead Lines (25'-40' high)
- Sanitary Sewer (2 - 6 ft BGS)
- Telephone Lines (2 - 6 ft BGS)

NOTE: Location of the former product lines is unknown.



PROJECT:
 Armourdale Muffler Shop
 1317 Kansas Avenue
 Kansas City, KS
 KDHE ID: U4-105-01176
 Date: 7/30/18 & 8/13/18

0 140 feet

1311 E 25th St., Suite B (785) 841-8707 office
 Lawrence, KS 66046 (785) 865-4282 fax

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 SEP 14 2018
 BUREAU OF WATER

Section: 21 T: 115 R: 25E