

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

Well ID

MW21

[X] Original Record [] Correction [] Change in Well Use

1 LOCATION OF WATER WELL: County Douglas, Fraction SW 1/4 NW 1/4 SW 1/4 NW 1/4, Section Number 26, Township Number T 12 S, Range Number R 19 E W. 2 WELL OWNER: Last Name: Business: Zarco Inc. Address: 718 E 1300 Rd, City: Lawrence, State: KS, ZIP: 66046. Street or Rural Address where well is located (if unknown, distance and direction from nearest town or intersection): 900 Iowa St, Lawrence, KS. 3 LOCATE WELL WITH "X" IN SECTION BOX: (Diagram of section box with NW, NE, SW, SE quadrants and X in NW). 4 DEPTH OF COMPLETED WELL: 13 ft. Depth(s) Groundwater Encountered: 1) ... 2) ... 3) ... 4) Dry Well. WELL'S STATIC WATER LEVEL: 10.20 ft. [X] below land surface, measured on (mo-day-yr) 6/14/21. Pump test data: Well water was ... after ... hours pumping ... gpm. Water well was ... ft after ... hours pumping ... gpm. Estimated Yield: ... gpm. Bore Hole Diameter: 7.25 in to ... ft, and ... in to ... ft. 5 Latitude: 38.96658 (decimal degrees), Longitude: 95.26030 (decimal degrees). Horizontal Datum: [] 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: 1027.02 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 [] Irrigation [] Feedlot [] Industrial. 2 Public Water Supply: well ID. 3 Dewatering: how many wells? 4 Aquifer Recharge: well ID. 5 Monitoring: well ID MW21. 6 Environmental Remediation: well ID. 7 Air Sparge [] Soil Vapor Extractor [] Recovery [] Injection. 8 Oil Field Water Supply: lease. 9 Test Hole: well ID. [] Cased [] Uncased [] Geotechnical. 10 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 3 ft, Diameter ... in. to ... ft, Diameter ... in. to ... ft, Casing height above land surface -0.35 in. Weight ... lbs./ft. Well thickness or gauge No ... TYPE OF SCREEN OR PERFORATION MATERIAL: [] Steel [] Stainless Steel [] Fiberglass [X] PVC [] Other (Specify). [] Brass [] Galvanized Steel [] Concrete tile [] None used (open hole). 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 3 ft. to 13 ft, From ... ft. to ... ft, From ... ft. to ... ft, GRAVEL PACK INTERVALS: From 2 ft. to 13 ft, From ... ft. to ... ft, From ... ft. to ... ft,

9 GROUT MATERIAL: [] Neat cement [] Cement grout [X] Bentonite [X] Other Concrete: 0-0.5'. Grout intervals: From 0.5 ft. to 2 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? N-NE Distance from well? ~160 ft

10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	2	Clay, grass roots			
2	3	Clay			
3	5	Sandy clay			
5	10	Clay			
10	13	Sandy clay			
13		Limestone			

Notes: KDHE ID: Zarco 66 #3/First Fuel Bank #2; U4-023-13174 Target of monitoring well is shallow groundwater, <20' of grout was installed at the direction of KDHE.

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) 4/21/21 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) 6/15/21 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.

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.

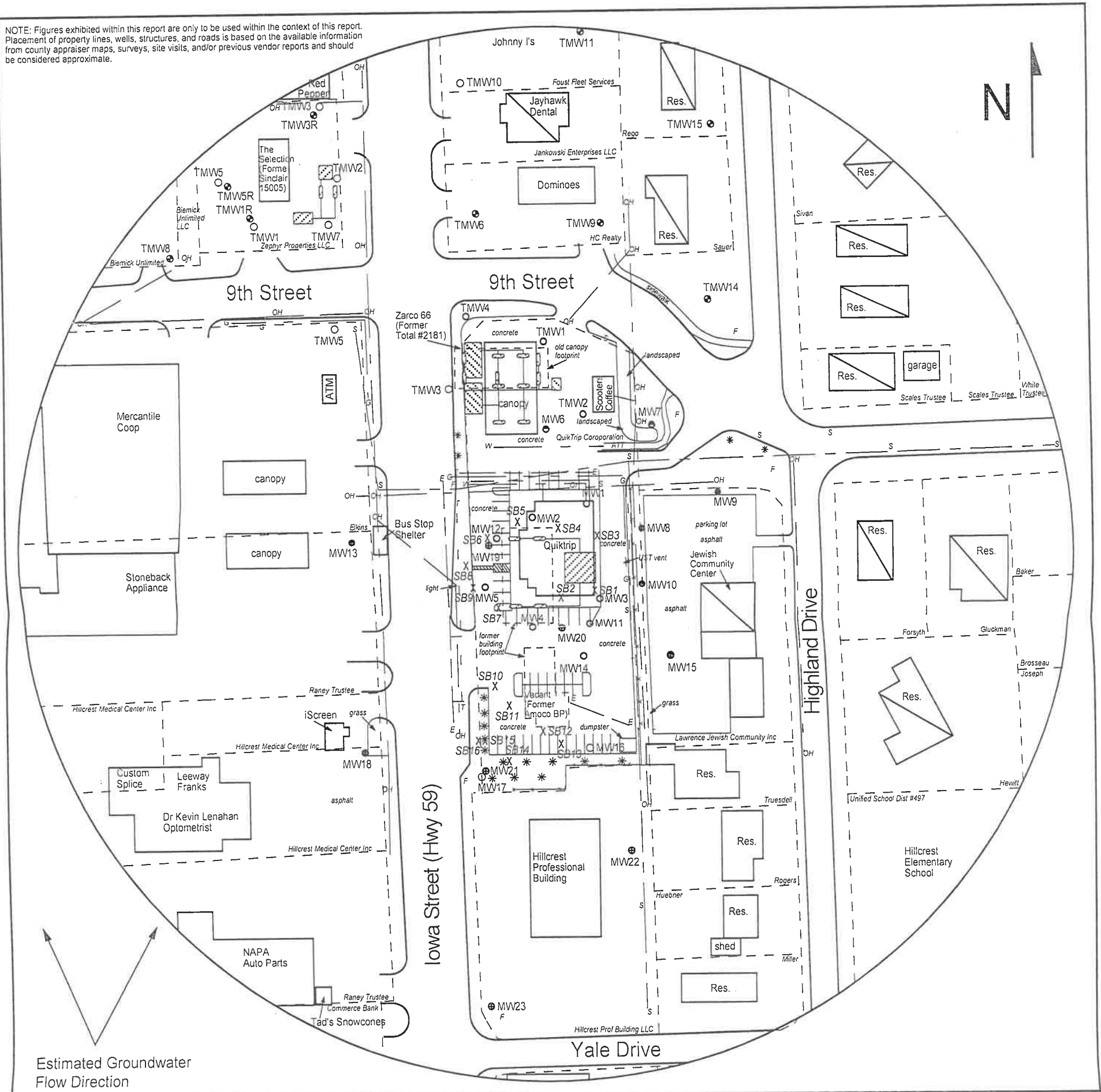


FIGURE 2.2 - 500 FT RADIUS AREA BASE MAP

LEGEND

- Approximate Location of Active UST Basin, Product Lines & Pump Islands
- Approximate Location of Former UST Basin, Product Lines & Pump Islands
- Building with Basement
- Approximate Location of Property Line
- Existing Monitoring Well
- Plugged Monitoring Well
- Monitoring Well at Nearby LUST Sites Total Retail #2181(U4-023-01573) & Sinclair #15005 (U4-023-10255)
- Monitoring Well (Installed 4/21/21)
- Soil Boring (Drilled 5/12/15 & 6/13/18)
- Destroyed Well
- Fire Hydrant
- Electric Lines (1.5 - 3 ft bgs)
- Gas Lines (1.5 - 3 ft bgs)
- Overhead Lines (25'-40' high)
- Sewer Lines (2 - 6 ft bgs)
- Telephone Lines (2 - 6 ft bgs)
- Water Lines (2 - 6 ft bgs)



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

PROJECT:

Zarco 66 #3/First Fuel Bank #2
900 Iowa
Lawrence, KS
KDHE ID: U4-023-13174
Date: 6/14/21



RECEIVED
AUG 06 2021
BUREAU OF WATER

DENNIS L HANDKE

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

Jess Chapman
Larsen & Assoc.
1311 E. 25th St., Suite B
Lawrence, Kansas 66046

May 7, 2021

RE: Monitor Well Elevation Survey
6637 Nieman Road, Shawnee, Kansas

Proj. 21-00N
Zarco 66 #3/First Fuel Bank #2
KDHE ID U4-023-13174

Bench Mark: Square cut on Northwest corner of concrete signal light base at Northwest corner of property.

Elev.:		North	West	(from SE Cor. Sec. 36-12-19E)
1018.92		3943.23	5228.88	
MW-19	rim	1022.22	North 3719.36	SW1/4,NW1/4,SW1/4,NW1/4
	top pipe	1021.80	West 5205.96	Lat = 38.96722 Long = 95.26015
MW-20	rim	1022.71	North 3641.04	SW1/4,NW1/4,SW1/4,NW1/4
	top pipe	1022.43	West 5146.90	Lat = 38.96672 Long = 95.26001
MW-21	rim	1027.37	North 3519.62	SW1/4,NW1/4,SW1/4,NW1/4
	top pipe	1027.02	West 5233.32	Lat = 38.96658 Long = 95.26030
MW-22	rim	1029.26	North 3446.89	SW1/4,NW1/4,SW1/4,NW1/4
	top pipe	1028.95	West 5101.60	Lat = 38.96647 Long = 95.25978
MW-23	rim	1031.77	North 3301.96	NW1/4,SW1/4,SW1/4,NW1/4
	top pipe	1031.36	West 5239.22	Lat = 38.96607 Long = 95.26026

Lat & Long derived from Lawrence East 7.5' quad map. WGS84.

Elevation derived from existing project. NAVD88

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

Dennis L Handke, L.S.

