WATER WELL RECORD (WWC-5)

Constructed

KOLAR DOC ID 1787969 WELL ID MW5R

✓ Original Record ☐ Correction ☐ Change in Well Use

LOCATION OF WATER WELL

Latitude	37.51943	Longitude	-97.00459	Section	21	Township	29	Range	4 ✓E ☐W	Fraction	NE ¼ NW ¼ NW ¼
Datum	WGS84	Elevation	1213	County	Butler						

WATER WELL OWNER

Name	
Business	Casey s Retail Company
Address	PO Box 3004 Ankeny IA 50021
Well location ☐ at owner's address	103 S Hwy 77, Douglass, KS

CONSTRUCTION

Borehole interval: from 0 to 40 ft. from ____ to ____ ft.

Borehole diameter: 7.25 in. ____ in.

Casing height above land surface: -0.31 in.

If casing height is less than 12 in. has a variance been approved?* ✓ Yes ☐ No

*variance not required for monitoring or environmental remediation wells

Casing type: ThermalPlastic

Blank casing interval: 0 ft. to 25 ft.

Blank casing diameter: 2 in.

Casing joints: Threaded

Weight: ____ lbs/ft.

Wall thickness or gauge no.: 0.154

Blank casing interval: ____ ft. to ____ ft.

Blank casing diameter: ____ in.

Casing joints: ____

Weight: ____ lbs/ft.

Wall thickness or gauge no.: ____

Grout interval: 0.5 ft. to 23 ft.

Grout material: Bentonite

Grout interval: 0 ft. to 0.5 ft.

Grout material: Cement

Screen / perforation material: PVC

Screen / perforation openings: Mill slot

Screen / perforation intervals:

From 25 ft. to 40 ft.

Slot size ____ unit ____

From ____ ft. to ____ ft.

Slot size ____ unit ____

Gravel pack intervals:

Gravel pack not used: ☐ Gravel size ____ in

From 23 ft. to 40 ft.

Gravel pack not used: ☐ Gravel size ____ in

From ____ ft. to ____ ft.

WELL WATER USE

Environmental Remediation / Monitoring Mc

COMPLETION

Depth of completed well: 40 ft.

Depth(s) groundwater encountered:

(1) ____ ft.; (2) ____ ft.;

(3) ____ ft.; (4) ☐ dry well

Static water level in well: 31.56 ft.

✓ measured below land surface on (mm/dd/yy): 06/27/2024

☐ measured above land surface on (mm/dd/yy): ____

Estimated yield: ____ gpm

Water level was: ____ ft. after ____ hours pumping ____ gpm

Pump installed? ☐ Yes ✓ No

Water well disinfected? ☐ Yes ☐ No

Date disinfected (mm/dd/yy): ____

Aquifer, if known:

NEAREST SOURCE OF POTENTIAL CONTAMINATION

Source: Fuel storage

Distance from well: 50 Direction from well: E

Source description: ____

Source: ____

Distance from well: ____ Direction from well: ____

Source description: ____

☐ No potential source of contamination within 100 feet.

PERMIT & ID NUMBERS (AS REQUIRED)

DWR Application No.: ____

KDHE / EPA Project Code: U2-008-15145

Site Name: Casey's General Store #3758

KDHE UIC Class V Form Completed: ☐ Yes ☐ No

County Permit: ☐ Yes ☐ No Permit ID: ____

Lease Name & Well #: ____

# of boreholes: ____ # of dewatering wells: ____

LITHOLOGIC LOG

FROM	TO	LITHOLOGY INTERVALS
0	.5	other,concrete
.5	1	sand,fine to medium,fill
1	9	clay
9	40	clay,silty

COMMENTS

CONTRACTOR'S OR LANDOWNERS CERTIFICATION

This water well was constructed ✓ reconstructed ☐ pursuant to the stated water well contractor's license and was completed on 06/26/2024. I certify that this record is true to the best of my knowledge and belief. This water well record was completed on 07/26/2024 under the business name of Larsen And Associates, Kansas Water Well Contractor's License No. 757 under the authority of the designated person as defined in K.A.R. 28-30-2(j) and signed and certified by the electronic signature of the designated person at its submittal: Donald Beemer.

Send one copy to WATER WELL OWNER and retain one for your records. Fee of $5.00 for each constructed well.

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.

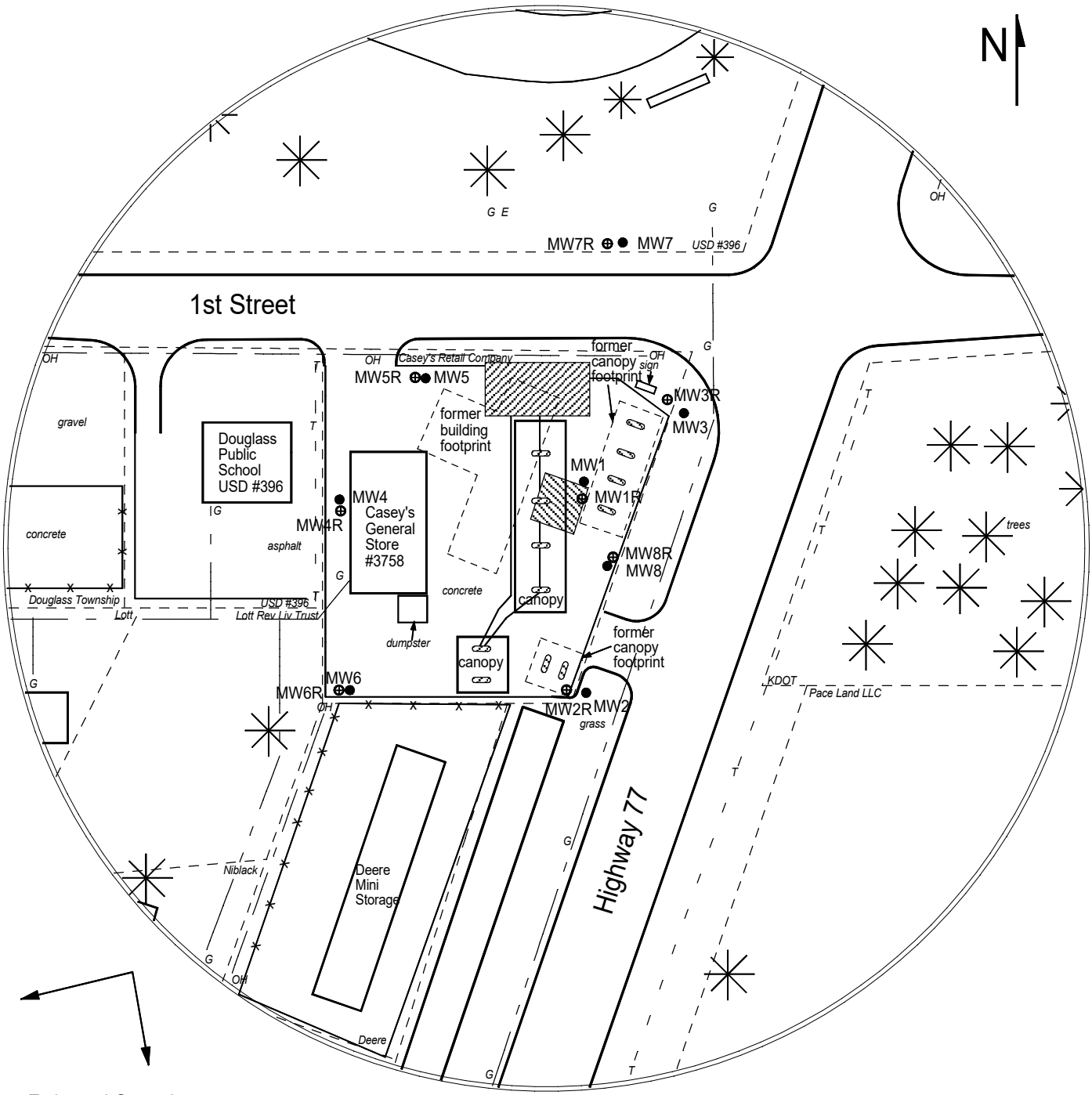

FIGURE 2.1 - 350 FT RADIUS AREA BASE MAP

larsen & ASSOCIATES, INC.

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

PROJECT:

Casey's General Store #3758
103 S Hwy. 77
Douglass, KS
KDHE ID: U2-008-15145
Date: 6/17/24

0 100 ft

LEGEND:

- Approximate Location of Active UST Basin, Product Lines & Pump Islands
- Approximate Location of Former UST Basin & Pump Islands
- Approximate Location of Property Line
- Existing Monitoring Well
- Proposed Monitoring Well
- E Electric Meter
- G Gas Lines (1.5 - 3 ft bgs)
- OH Overhead Lines (25'-40' high)
- T Telephone Lines (2 - 6 ft bgs)

NOTE: Utility depths, heights and locations are approximate.

DENNIS L HANDKE

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

Jess Chapman
Larsen & Associates
1311 E. 25th Street, Suite B
Lawrence, Kansas, 66046

July 13, 2024

RE: Monitor Well Elevation Survey
103 S. Hwy 77, Douglas, Kansas

Proj. 24-00Z
Casey's General Store #3758
U2-008-15145

Bench Mark: Chisled X on top of SW bolt of West leg of concrete sign base at the NE Corner of property.
Elev: 1213.88 North 5307.41 West 4016.69 (from SE Cor. Sec. 21-29-4E)

MW-1R	rim	1213.07	North	5239.38	NE1/4,NE1/4,NW1/4,NW1/4
	top pipe	1212.76	West	4060.24	Lat= 37.51924 Long = 97.00423
MW-2R	rim	1213.11	North	5114.60	NE1/4,NE1/4,NW1/4,NW1/4
	top pipe	1212.87	West	4082.21	Lat= 37.51889 Long = 97.00430
MW-3R	rim	1212.94	North	5301.79	NE1/4,NE1/4,NW1/4,NW1/4
	top pipe	1212.61	West	4006.19	Lat= 37.51941 Long = 97.00404
MW-4R	rim	1213.10	North	5237.47	NE1/4,NE1/4,NW1/4,NW1/4
	top pipe	1212.83	West	4217.99	Lat= 37.51923 Long = 97.00477
MW-5R	rim	1212.94	North	5311.21	NE1/4,NE1/4,NW1/4,NW1/4
	top pipe	1212.63	West	4165.18	Lat= 37.51943 Long = 97.00459
MW-6R	rim	1211.01	North	5116.95	NE1/4,NE1/4,NW1/4,NW1/4
	top pipe	1210.63	West	4218.11	Lat= 37.51890 Long = 97.00476
MW-7R	rim	1211.56	North	5405.82	SE1/4,SE1/4,SW1/4,SW1/4 (Sec. 16-29-4E)
	top pipe	1211.29	West	4040.92	Lat= 37.51969 Long = 97.00417
MW-8R	rim	1212.46	North	5185.58	NE1/4,NE1/4,NW1/4,NW1/4
	top pipe	1212.04	West	4046.53	Lat= 37.51909 Long = 97.00418

Lat & Long derived from Douglas 7.5 quad map. WGS84.

Elevation established from existing project. NAVD 88

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
LS-786

July 13, 2024
Dennis L Handke

DENNIS L. HANDKE
REGISTERED
KANSAS
LAND SURVEYOR