WATER WELL RECORD (WWC-5)

Constructed

KOLAR DOC ID 1853917 WELL ID 024MW042

✓ Original Record ☐ Correction ☐ Change in Well Use

LOCATION OF WATER WELL

Latitude	38.906313	Longitude	-95.017125	Section	19	Township	13	Range	22 ✓E ☐W	Fraction	SW ¼ SW ¼ NW ¼
Datum	WGS84	Elevation	936	County	Johnson						

WATER WELL OWNER

Name	
Business	Sunflower Redevelopment, LL(
Address	105345 W. 103rd St. De Soto KS 66019
Well location ☐ at owner's address	US Army Corp of Engineers 635 Federal Building Kansas City, MO 61406

CONSTRUCTION

Borehole interval: from 0 to 30.0 ft. from ____ to ____ ft.

Borehole diameter: 7.25 in. ____ in.

Casing height above land surface: 30 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 20 ft.

Blank casing diameter: 2 in.

Casing joints: Threaded

Weight: ____ lbs/ft.

Wall thickness or gauge no.: 40

Blank casing interval: ____ ft. to ____ ft.

Blank casing diameter: ____ in.

Casing joints: ____

Weight: ____ lbs/ft.

Wall thickness or gauge no.: ____

Grout interval: 2 ft. to 16.5 ft.

Grout material: Bentonite

Grout interval: ____ ft. to ____ ft.

Grout material: ____

Screen / perforation material: PVC

Screen / perforation openings: Mill slot

Screen / perforation intervals:

From 20 ft. to 30 ft.

Slot size .01 unit millimet(

From ____ ft. to ____ ft.

Slot size ____ unit ____

Gravel pack intervals:

Gravel pack not used: ☐ Gravel size ____ in

From 16.5 ft. to 30 ft.

Gravel pack not used: ☐ Gravel size ____ in

From ____ ft. to ____ ft.

WELL WATER USE

Environmental Remediation / Monitoring Mc

COMPLETION

Depth of completed well: 30.0 ft.

Depth(s) groundwater encountered:

(1) 28 ft.; (2) ____ ft.;

(3) ____ ft.; (4) ☐ dry well

Static water level in well: 28.95 ft.

✓ measured below land surface on (mm/dd/yy): 06/05/2025

☐ 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: ____

Distance from well: ____ Direction from well: ____

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: C404671027

Site Name: SFAAP - SWMU 24

KDHE UIC Class V Form Completed: ☐ Yes ✓ No

County Permit: ☐ Yes ✓ No Permit ID: ____

Lease Name & Well #: ____

# of boreholes: ____ # of dewatering wells: ____

LITHOLOGIC LOG

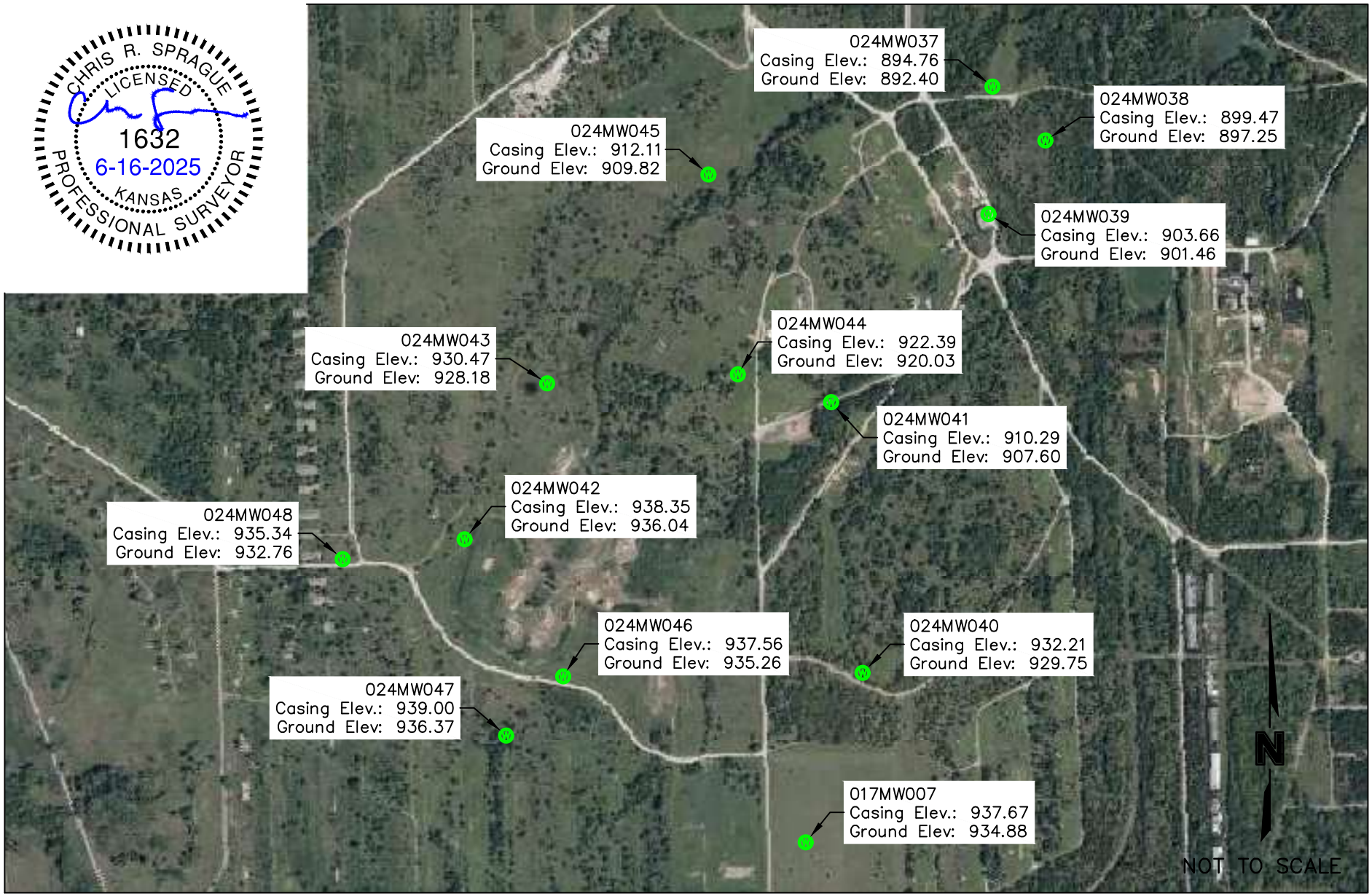
FROM	TO	LITHOLOGY INTERVALS
0	30	other,See Attached

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 05/07/2025. I certify that this record is true to the best of my knowledge and belief. This water well record was completed on 08/15/2025 under the business name of Razek Environmental, LLC, Kansas Water Well Contractor's License No. 759 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: Anthony Poulter.

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



CHRIS R. SPRAGUE
LICENSED
1632
6-16-2025
KANSAS
PROFESSIONAL SURVEYOR

F:\2018\1001-1500\018-1310\40-Design\Survey\SRVYXref\018-1310 BMcD WellPointsDump 06-11-25.dwg
DATE: Jun 16, 2025 5:01pm USER: csprague

PROJECT NO:	018-3100
DRAWN BY:	CRS
DATE:	06.11.2025

BURNS & McDONNELL MONITORING WELL GENERAL LOCATIONS

olsson

7301 West 133rd Street
Suite 200
Overland Park, KS 66213

olsson.com
TEL 913.381.1170
Olsson - Survey
Kansas COA #LS-114

EXHIBIT

1

HTW DRILLING LOG

HOLE NO. 024MW042

1. COMPANY NAME: Burns & McDonnell	2. DRILLING SUBCONTRACTOR: RAZEK ENV., Inc.	SHEET 1 OF 5 SHEETS
3. PROJECT: SFAAP	4. LOCATION: SWMU 24	
5. NAME OF DRILLER: T. Poulter	6. MANUFACTURER'S DESIGNATION OF DRILL: GeoProbe 7822 DT	
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: 2-inch MacroCore Sampler; 7.25-inch HSA	8. HOLE LOCATION: E: 2161028.534' N: 222662.532'	
	9. SURFACE ELEVATION: 936.04'	
	10. DATE STARTED: 8/27/24	11. DATE COMPLETED: 8/27/24
12. OVERBURDEN THICKNESS: 30.0 ft	15. DEPTH GROUNDWATER ENCOUNTERED: 26.0 ft bgs	
13. DEPTH DRILLED INTO ROCK: NA	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: NA	
14. TOTAL DEPTH OF HOLE: 30.0 ft	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): NA	

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA			NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY
NA						NA %

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
		024MW042	024BMPZ016	S. Woodland

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX NO. e	ANALYTICAL SAMPLE NO. f	BLOW COUNTS g	REMARKS h
	0	SILT, with clay, ML, very dark brown (10YR 2/2), damp, stiff consistency, trace plasticity, friable.	BZ = 0.0 PID LEL = 0 O_2 = 20.9 0.0	NA	NA	Recovery	Begin @ 1007
	1		0.0				
	2		0.0			5/5	
	3	CLAY, CL, very dark brown (10YR 2/2), damp, hard consistency, medium plasticity, trace oxidation reddish brown (5YR 5/3).	0.0				
	4	trace very fine sand, grayish brown (10YR 5/2)	0.0				

HTW DRILLING LOG

HOLE NO. 024MW042

PROJECT SFAAP - SWMU 24 | INSPECTOR S. Woodland | SHEET 2 OF 5 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX NO. e	ANALYTICAL SAMPLE NO. f	BLOW COUNTS g	REMARKS h
		CLAY, trace very fine sand, CL, grayish brown (10YR 5/2), damp, hard consistency, medium plasticity, trace oxidation reddish brown (5YR 5/3).	PID	NA	NA	Recovery	
	5		BZ = 0.0 LEL = 0 O_2 = 20.9 0.0				1010
	6		0.0				
	7	trace fine sand	0.0			5/5	
	8		0.0				
	9		0.0				
	10		BZ = 0.0 LEL = 0 O_2 = 20.9 0.0				1013
	11		0.0			5/5	
	12		0.0				

HTW DRILLING LOG

HOLE NO. 024MW042

PROJECT SFAAP - SWMU 24 | INSPECTOR S. Woodland | SHEET 3 OF 5 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX NO. e	ANALYTICAL SAMPLE NO. f	BLOW COUNTS g	REMARKS h
		CLAY, trace very fine sand, CL, grayish brown (10YR 5/2), damp, hard consistency, medium plasticity, trace oxidation reddish brown (5YR 5/3).	PID	NA	NA	Recovery	
	13		0.0				
						5/5	
	14		0.0				
	15		BZ = 0.0 LEL = 0 O_2 = 20.9				1023
			0.0			5/5	
	16	moist	0.0				
	17		0.0				
	18		0.0				
	19	SAND, with fines, SM, gray (10YR 6/1), poorly graded, very fine sand, moist, trace oxidation reddish brown (5YR 5/3).	0.0				DP Stop @ 20.0 ft
	20		BZ = 0.0 LEL = 0 O_2 = 20.9				1437

HTW DRILLING LOG

HOLE NO. 024MW042

PROJECT SFAAP - SWMU 24 | INSPECTOR S. Woodland | SHEET 4 OF 5 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX NO. e	ANALYTICAL SAMPLE NO. f	BLOW COUNTS g	REMARKS h
	21	SAND, with fines, SM, gray (10YR 6/1), poorly graded, very fine sand, moist, trace oxidation reddish brown (5YR 5/3).	PID	NA	NA	Recovery	
	22						
	23						Hard Augering
	24						
	25		BZ = 0.0 LEL = 0 O_2 = 20.9				1437
	26	yellowish brown (10YR 5/6), wet, fine sand					▽ Easy Augering
	27						
	28						

HTW DRILLING LOG

HOLE NO. 024MW042

PROJECT SFAAP - SWMU 24 | INSPECTOR S. Woodland | SHEET 5 OF 5 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX NO. e	ANALYTICAL SAMPLE NO. f	BLOW COUNTS g	REMARKS h
	30	SAND, with fines, SM, yellowish brown (10YR 5/6), poorly graded, fine sand, wet, trace oxidation reddish brown (5YR 5/3).	PID	NA	NA	Recovery	1130
		HSA Refusal @ 30.0 ft					1030 Begin HSA Drilling Construct Temporary Piezometer 024BMPZ016
	31						
	32						
	33						
	34						
	35						
	36						
	37						