

WATER WELL RECORD (WWC5.2)

Constructed

KOLAR DOC ID _____ WELL ID _____

LOCATION OF WATER WELL

County		Section		Township		Range		E W	Fraction	¼	¼	¼
Latitude		Longitude		Datum		Elevation						

WATER WELL LOCATION

at owner's address

WATER WELL OWNER

Name	
Business	
Address	

PERMIT & ID NUMBERS (AS REQUIRED)

DWR Application No.: _____
 KDHE / EPA Project Code: _____
 Site Name: _____
 KDHE UIC Class V Form Completed: Yes No
 County/Local Permit Required? Yes No
 Permit Obtained? Yes No Permit ID: _____
 Oil/Gas Lease Name & Well #: _____

CONSTRUCTION

Casing: Height above land surface: _____ in.
 Is casing height less than 12 inches? Yes No

Blank Casing type: _____
 1st interval: _____ ft. to _____ ft.; Diameter _____ in.
 Casing Joint: : _____ Weight: _____ lbs/ft
 Wall thickness or gauge no.: _____
 2nd interval: _____ ft. to _____ ft.; Diameter _____ in.
 Casing Joint: : _____ Weight: _____ lbs/ft
 Wall thickness or gauge no.: _____
 3rd interval: _____ ft. to _____ ft.; Diameter _____ in.
 Casing Joint: : _____ Weight: _____ lbs/ft
 Wall thickness or gauge no.: _____

Screen / Perforation material: _____

Specify if other: _____

Screen / Perforation openings: _____

1st interval _____ ft. to _____ ft. Slot Size _____

2nd interval _____ ft. to _____ ft. Slot Size _____

3rd interval _____ ft. to _____ ft. Slot Size _____

WELL WATER USE

Additional info if required:

of Boreholes

of Dewatering Wells

COMPLETION

Depth of completed well: _____ ft.

Depth(s) groundwater encountered: Dry Well

(1) _____ ft.; (2) _____ ft.; (3) _____ ft.;

Static water level in well: _____ ft.

Date measured: _____

Measured from: Top of Casing or Ground Surface

Measured: Above or Below Land Surface

Estimated yield: _____ gpm

Pump Test Date: Water level was:

_____ ft. after _____ hours pumping _____ gpm

_____ ft. after _____ hours pumping _____ gpm

Pump Information:

Pump Installed? Yes No Date: _____

Pump Type: Horsepower: Volts:

Drop Pipe Diameter: in. Drop Pipe Length: ft.

Water well disinfected? Yes No

Date disinfected (mm/dd/yy): _____

CONSTRUCTION**Borehole interval:**

from _____ to _____ ft.

from _____ to _____ ft.

from _____ to _____ ft..

Borehole diameter:

_____ in.

_____ in.

_____ in.

Grout:

1st Interval: _____ ft. to _____ ft. Grout material: _____

2nd Interval: _____ ft. to _____ ft. Grout material: _____

3rd Interval: _____ ft. to _____ ft. Grout material: _____

Gravel pack:

Not Used

1st Interval: _____ ft. to _____ ft. Gravel Size: _____

2nd Interval: _____ ft. to _____ ft. Gravel Size: _____

3rd Interval: _____ ft. to _____ ft. Gravel Size: _____

DESIGNATED PERSON**WELL COMPLETION DATE****CONTRACTOR BUSINESS NAME**

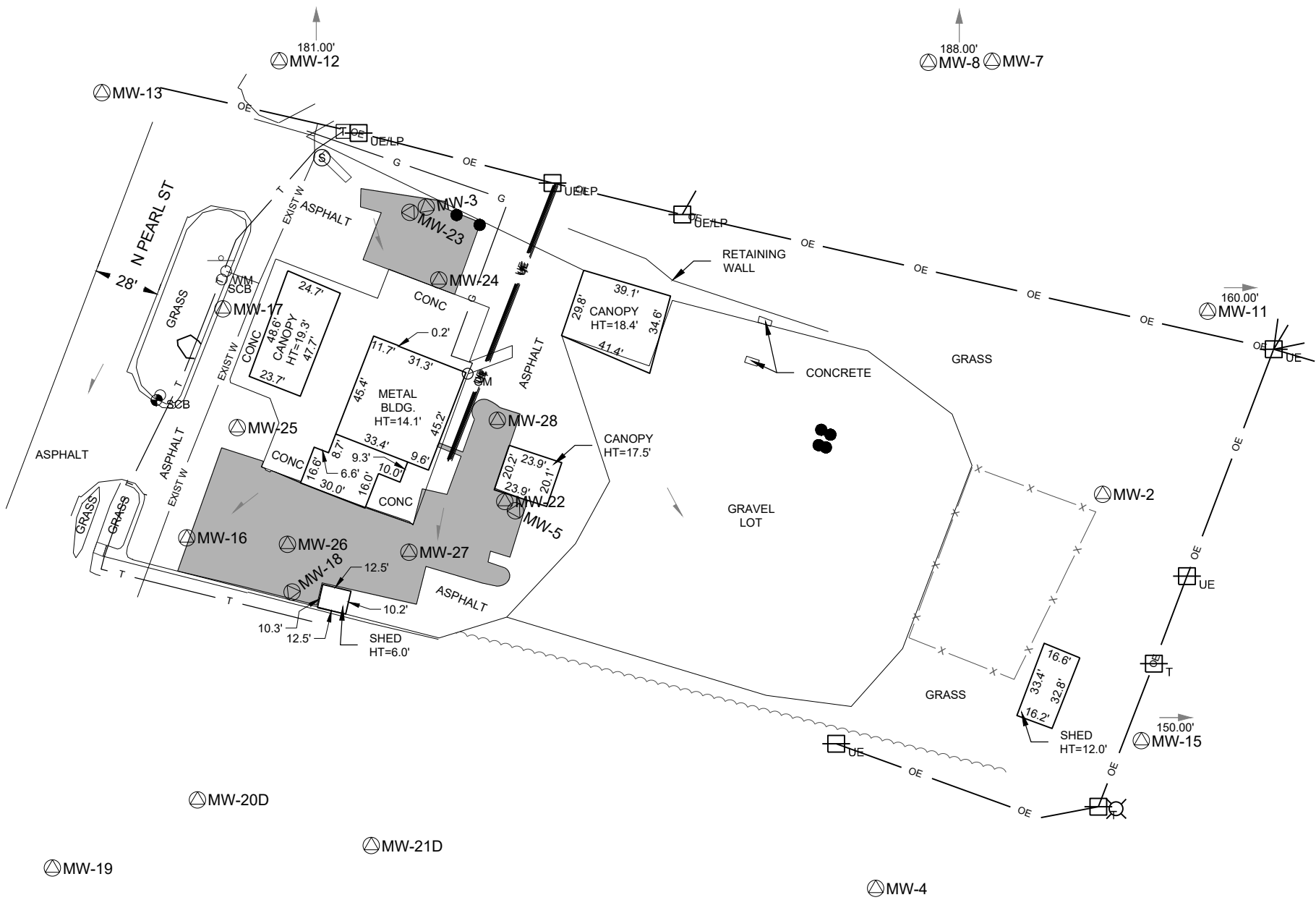
REMEDIAL SITE SURVEY

ZARCO 66

1005 N. PEARL, PAOLA, KANSAS

Point	North Coordinate	East Coordinate	Distance from SE Cor. Sec. 03		*Elev. Top of Rim or PK Nail	Elev. Top of PVC Pipe	Latitude North	Longitude West
			North	West				
SE Cor.	20000	20000						
S09-T17S-R23W								
MW-2	21835.17	17561.29	1835.17	2438.71	894.44	894.05	38.58306	94.87224
MW-3	21960.51	17269.51	1960.51	2730.49	897.32	896.96	38.58306	94.87326
MW-4	21665.32	17462.46	1665.32	2537.54	892.74	892.37	38.58259	94.87258
MW-5	21829.15	17307.45	1829.15	2692.55	896.11	895.81	38.58304	98.87313
MW-7	22022.50	17514.26	2022.50	2485.74	899.84	899.34	38.58357	94.87240
MW-8	22209.87	17487.58	2209.87	2512.42	905.54	905.11	38.58408	94.87250
MW-10	21574.89	17846.18	1574.89	2153.82	904.09	903.65	38.58228	94.87124
MW-11	21913.44	17767.04	1913.44	2232.96	894.97	894.63	38.58328	94.87152
MW-12	22205.07	17206.93	2205.07	2793.07	902.55	902.21	38.58407	94.87349
MW-13	22010.58	17129.58	2010.58	2870.42	896.65	896.30	38.58354	94.87375
MW-14	21562.08	17378.48	1562.08	2621.52	891.33	891.12	38.58231	94.87287
MW-15	21728.02	17727.50	1728.02	2272.50	896.32	895.92	38.58277	94.87165
MW-16	21818.09	17165.37	1818.09	2834.63	894.35	894.16	38.58301	94.87362
MW-17	21916.95	17181.36	1916.95	2818.64	896.41	896.12	38.58328	94.87357
MW-18	21794.50	17210.72	1794.50	2789.28	894.46	894.07	38.58295	94.87346
MW-19	21675.67	17106.64	1675.67	2893.36	887.97	887.33	38.58262	94.87383
MW-20D	21704.8	17169.42	1704.8	2830.58	889.60	889.04	38.58270	94.87361
MW-21D	21684.82	17244.50	1684.82	2755.50	889.71	889.24	38.58264	94.87334
MW-22	21833.15	17329.80	1833.15	2670.20	896.12	895.67	38.58305	94.87314
MW-23	21958.28	17262.35	1958.28	2737.65	897.31	896.91	38.58340	94.87329
MW-24	21929.02	17274.74	1929.02	2725.26	896.98	896.73	38.58332	94.87324
MW-25	21865.52	17187.35	1865.52	2812.65	896.40	896.10	38.58314	94.87355
MW-26	21815.03	17208.81	1815.03	2791.19	895.07	894.76	38.58300	94.87347
MW-27	21811.42	17261.33	1811.42	2738.67	895.45	895.10	38.58299	94.87329
MW-28	21868.27	17299.46	1868.27	2700.54	896.67	896.40	38.58315	94.87315
Site B.M.	21877.63	17152.57	1877.63	17152.57	B.M. Elev. = 895.10			

Description: Square cut on top of curb at south end of entrance island along Pearl Street



LEGEND

MW-1	MONITORING WELL LOCATION		SITE BENCHMARK
	BOLLARD		DRAINAGE DIRECTION
	SIGN		LIGHT POLE
	TELEPHONE PEDESTAL		POWER POLE
WM	WATER METER	LP	W/LIGHT POLE
SCB	SPRINKLER CONTROL BOX	UE	W/UNDERGROUND ELECTRIC
EXIST W	WATER LINE	T	W/TRANSFORMER
OE	OVERHEAD ELECTRIC LINE	S	SANITARY SEWER MANHOLE
UE	UNDERGROUND ELECTRIC LINE		BUSH LINE
T	TELEPHONE LINE		FENCE LINE
G	GAS LINE		NEW ASPHALT HATCH

SMH Consultants
By: Tim Sloan

Tim Sloan, P.S.



SMH
CONSULTANTS

SCALE: 1"=60'
0 30' 60'



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Kansas City P: (913) 444-9615 • Colorado Springs, CO P: (719) 428-8677

Drawn By:RJC Project #2509-0334

From: [Pam Chaffee \[KDHE\]](#)
To: [Matt Kralik](#)
Subject: Re: Grout thickness variance
Date: Tuesday, February 11, 2025 1:44:45 PM

Thanks, Matt!!!!
Pam

Get [Outlook for iOS](#)

From: Matt Kralik <mkralik@corancogreatplains.com>
Sent: Tuesday, February 11, 2025 1:43:32 PM
To: Pam Chaffee [KDHE] <Pamela.Chaffee@ks.gov>
Subject: RE: Grout thickness variance

EXTERNAL: This email originated from outside of the organization. Do not click any links or open any attachments unless you trust the sender and know the content is safe.

Pam. I forwarded it to Scott ONeal the KDHE project manager.

Matt Kralik, CGP

----- Original message -----

From: "Pam Chaffee [KDHE]" <Pamela.Chaffee@ks.gov>
Date: 2/11/25 1:40 PM (GMT-06:00)
To: Matt Kralik <mkralik@corancogreatplains.com>
Cc: Dan Blankenau <dblankenau@corancogreatplains.com>, "Brooklyn Armijo [KDHE]" <Brooklyn.Armijo@ks.gov>
Subject: RE: Grout thickness variance

Matt Kralik
Coranco Great Plains
(402) 443-4340
mkralik@corancogreatplains.com

Zarco #6, 1005 N Pearl, Paola, MI Co, KS
KDHE Project Codes: A4-061-40339/A4-061-40362/A4-061-40431

Matt,
In addition to the required lat/long coordinates for each flush-mount well and a site map showing their locations, there is one more condition. Please put the following statement in the **Comments** section (Well Details tab) for each of the six (6) monitoring wells (assuming these will be submitted via KOLAR – if not then in Notes section of the fillable WWC-5 Form):

“When the well is to be plugged, remove all casing & screen then fill with liquid grout (if pulled), or

by over-drilling, then filled with approved grout.”

Consider this email approval of your variance request, conditional upon the above requirements.

I would copy the KDHE project manager for this site, but I don’t know who that is.

Thank you in advance. Let us know if you have any questions.

Pamela K. Chaffee, P.G.
Water Well & Technical Support Program
Geology & Well Technology Unit/Bureau of Water
Kansas Department of Health and Environment
1000 SW Jackson, Suite 420
Topeka, KS 66612-1367
785-296-3565 (office phone)
785-224-5259 (cell phone)
pam.chaffee@ks.gov
<https://www.kdhe.ks.gov/347/Water-Well-Program>

From: Matt Kralik <mkralik@corancogreatplains.com>
Sent: Monday, February 10, 2025 2:05 PM
To: Pam Chaffee [KDHE] <Pamela.Chaffee@ks.gov>; Brooklyn Armijo [KDHE] <Brooklyn.Armijo@ks.gov>
Cc: Dan Blankenau <dblankenau@corancogreatplains.com>
Subject: Grout thickness variance

EXTERNAL: This email originated from outside of the organization. Do not click any links or open any attachments unless you trust the sender and know the content is safe.

Pam,

I would like to request a variance of the five feet grout requirement into the first clay of KAR 28-30-6 (b)(1) for the installation of six monitoring wells at Zarco #6 1005 N. Pearl, Paola.

These wells are being installed to delineate a dissolved phase petroleum plume at a leaking aboveground storage tank site (KDHE Project Codes: A4-061-40339/A4-061-40362/A4-061-40431). Limestone bedrock causing auger refusal is encountered at between four and ten feet across the site. Groundwater, when present, is approximately six feet below ground. Existing wells are often dry.

The proposed wells will be installed with a top of screen at 3’ below ground surface. The screen will extend to where auger refusal occurs. Gravel pack will extend 6” above the top of screen (2.5’ below ground surface). Grout (3/8” bentonite chips) will be placed from 0.5’ to 2.5’ below ground surface. The well will be completed in flush-mount vaults due to traffic in the vicinity.

The wells are being installed as part of an investigation under the direction of KDHE – BER. Drilling will be performed by Coranco Great Plains, Inc. – KS Drillers License #594 – Dan Blankenau. . If you

have any questions or need additional information please contact me.

Thanks – Matt

Matthew M. Kralik, P.E.
Senior Engineer
Coranco Great Plains, Inc.
141 W. 10th, PO Box 23
Wahoo, NE 68066
(402) 443-4340