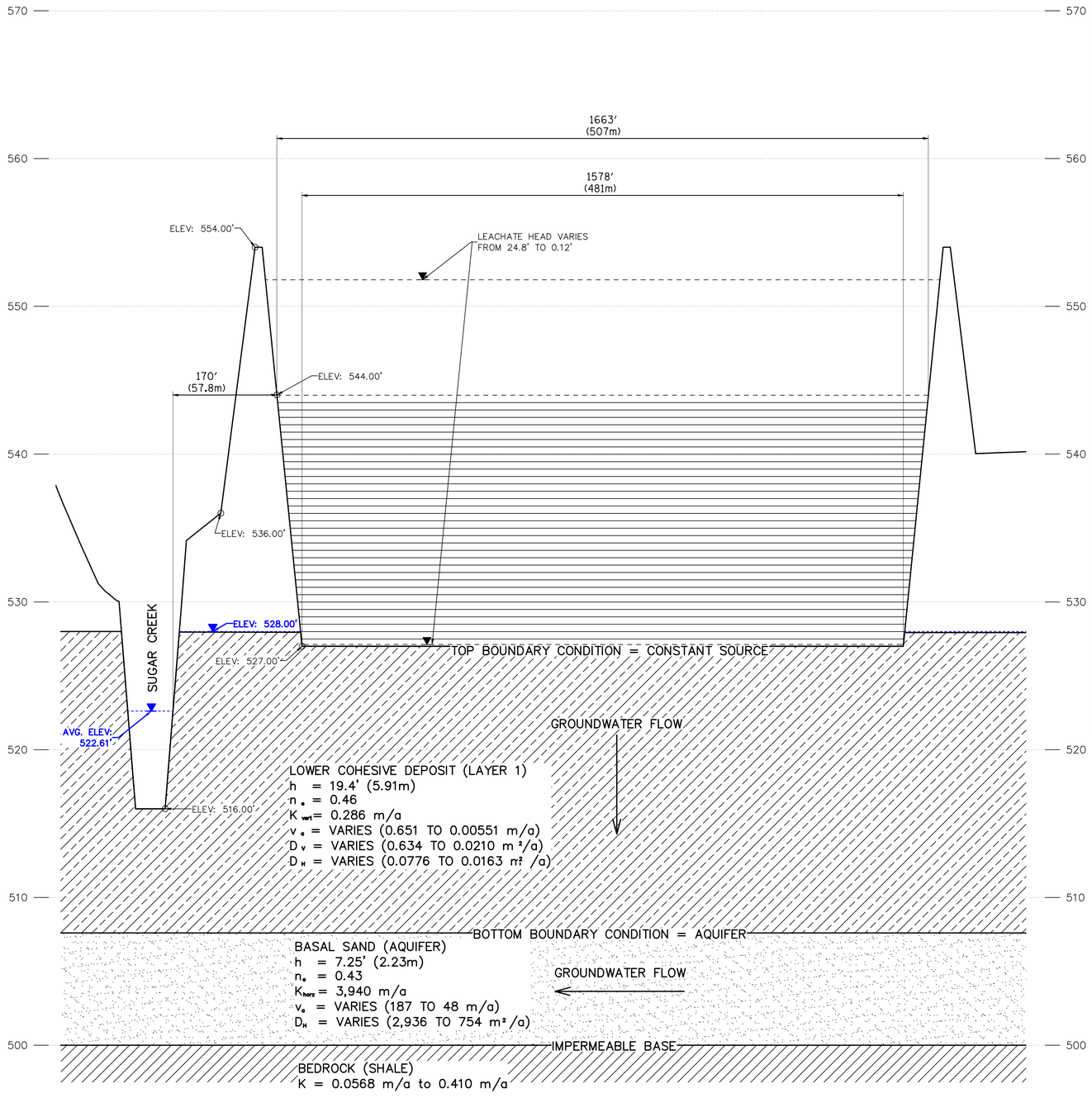
Ex. D13





SITE MAP
SCALE: AS SHOWN

USGS 05576250 SUGAR CREEK NEAR SPRINGFIELD, IL
Latitude 39°46'45", Longitude 89°35'34" NAD83

	00065, Gage height, feet,											
YEAR	Monthly mean in ft (Calculation Period: 2015-04-01 -> 2019-11-30)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2015				11.013	12.546	17.542	15.499	9.956				14.498
2016			11.267	11.357		10.668	10.664	11.37	9.883	9.884	10.02	
2017				13.68	19.377	10.777	9.907	9.878	9.862	9.893	10.012	
2018			10.506	11.397	10.066	12.779	9.885	10.06	9.978	9.928	10.427	11.943
2019		14.74	14.911	15.704	18.004	15.983	10.691	9.978	11.178	10.884	11.482	
Mean of monthly Gage height		14.74	12.23	12.63	15	13.55	11.33	10.25	10.23	10.15	10.49	13.22

** No Incomplete data have been used for statistical calculation

Gage Datum, feet above NAVD88	510.44
Average Gage Height, feet	12.165
Sugar Creek Average Surface Water Elevation, feet above NAVD88	522.61

NO.	DATE	REVISION DESCRIPTION	BY

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APPROVED BY: BJH | DESIGNED BY: MTH | DRAWN BY: MPN

CONCEPTUAL MODEL

PLANS PREPARED FOR
CITY, WATER, LIGHT, AND POWER
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS

DATE: AUGUST 2021

PROJECT ID: 200325/0003

SHEET NUMBER:

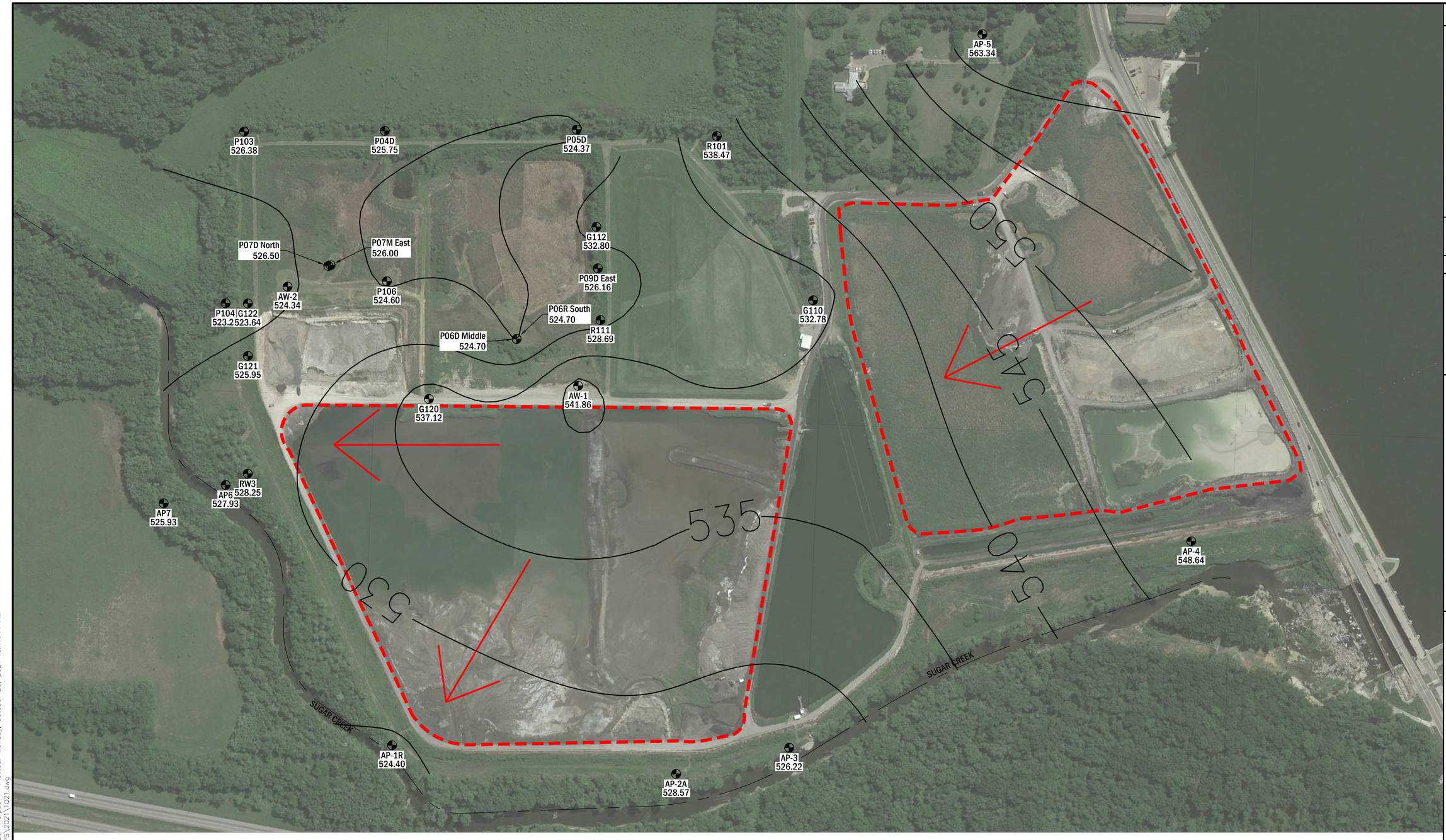
FIG. 4

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APPENDIX C

POTENTIOMETRIC SURFACE MAPS



LEGEND

- MONITORING WELL LOCATION
- CCR SURFACE IMPOUNDMENT
- GROUNDWATER FLOW DIRECTION

NOTES

1. SAMPLING DATE: 1/22/2021
2. CONTOUR INTERVAL = 5 FEET
3. IMAGE SOURCE: GOOGLE EARTH PRO, IMAGE DATE MAY 15, 2012
4. ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM (1988).

N

0 150 300 600

SCALE: IN FEET

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APPROVED BY: BJH | DESIGNED BY: MTH | DRAWN BY: BCK

POTENTIOMETRIC SURFACE MAP
1ST QUARTER 2021

PLANS PREPARED FOR
CITY, WATER, LIGHT, AND POWER
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS

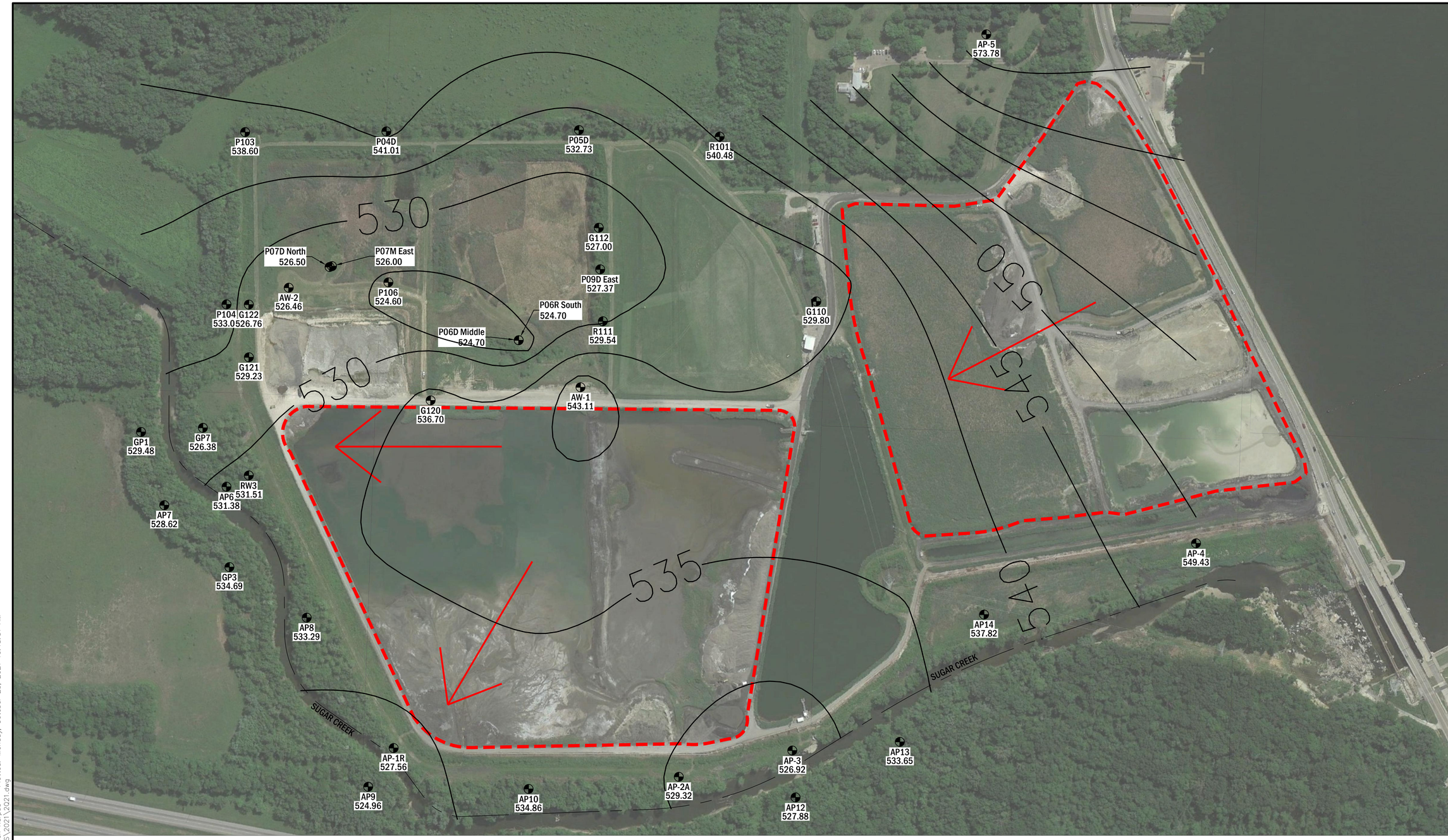
DATE: OCTOBER 2021

PROJECT ID: 150077/0021

SHEET NUMBER: 1Q21

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LEGEND

- MONITORING WELL LOCATION
- CCR SURFACE IMPOUNDMENT
- GROUNDWATER FLOW DIRECTION

NOTES

1. SAMPLING DATE: 5/27/2021
2. CONTOUR INTERVAL = 5 FEET
3. IMAGE SOURCE: GOOGLE EARTH PRO, IMAGE DATE MAY 15, 2012
4. ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM (1988).

N

0 150 300 600

SCALE: IN FEET

NO.	DATE	REVISION DESCRIPTION	BY

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DESIGNED BY: MTH | DRAWN BY: BCK | APPROVED BY: BJH

POTENTIOMETRIC SURFACE MAP
2ND QUARTER 2021

PLANS PREPARED FOR
CITY, WATER, LIGHT, AND POWER
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS

DATE: OCTOBER 2021

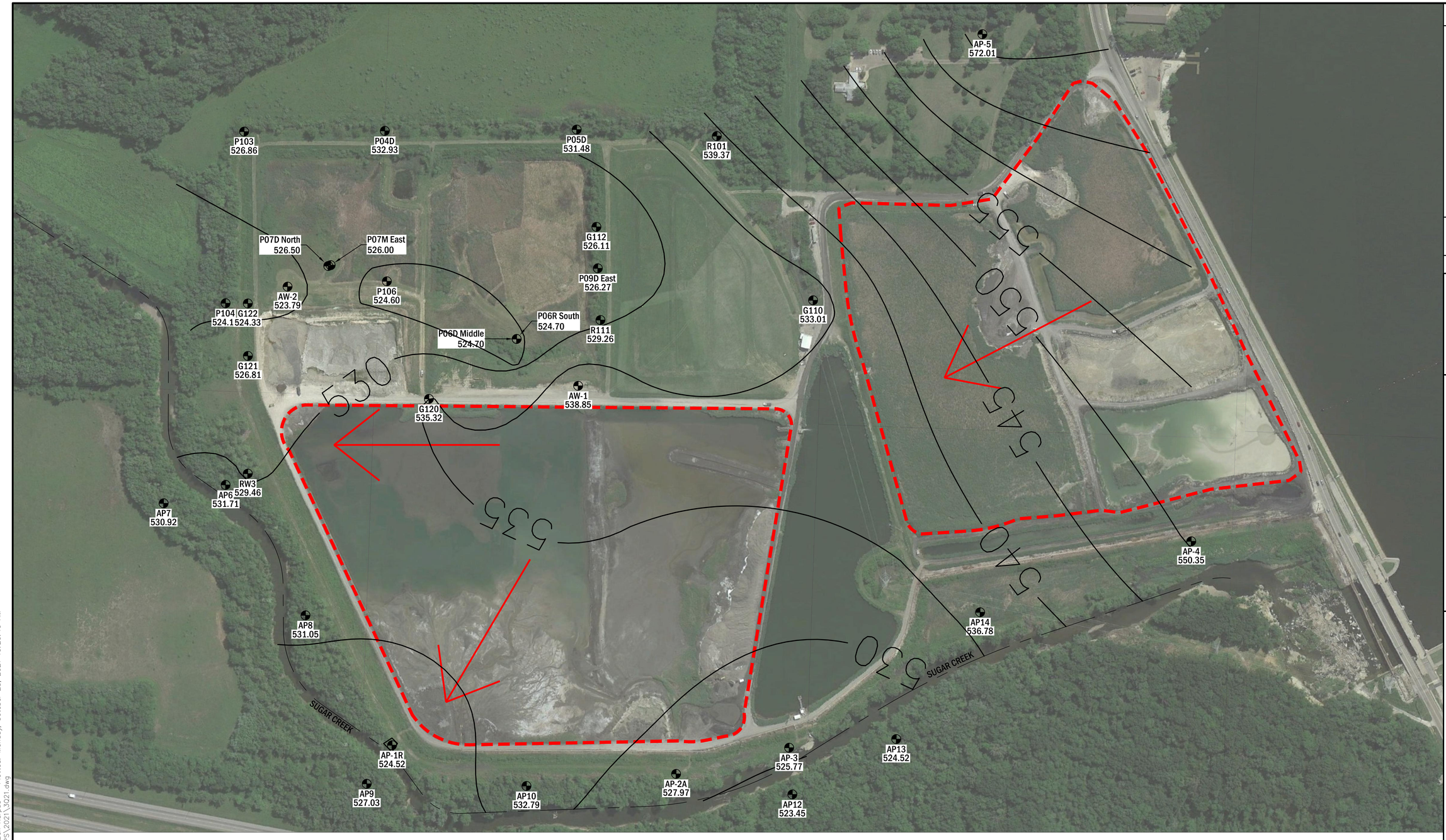
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SHEET NUMBER:

2Q21

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LEGEND

- MONITORING WELL LOCATION
- CCR SURFACE IMPOUNDMENT
- GROUNDWATER FLOW DIRECTION

NOTES

1. SAMPLING DATE: 8/25/2021
2. CONTOUR INTERVAL = 5 FEET
3. IMAGE SOURCE: GOOGLE EARTH PRO, IMAGE DATE MAY 15, 2012
4. ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM (1988).

N

0 150 300 600

SCALE: IN FEET

NO.	DATE	REVISION DESCRIPTION	BY

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APPROVED BY: BJH | DESIGNED BY: MTH | DRAWN BY: BCK

POTENTIOMETRIC SURFACE MAP
3RD QUARTER 2021

PLANS PREPARED FOR
CITY, WATER, LIGHT, AND POWER
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS

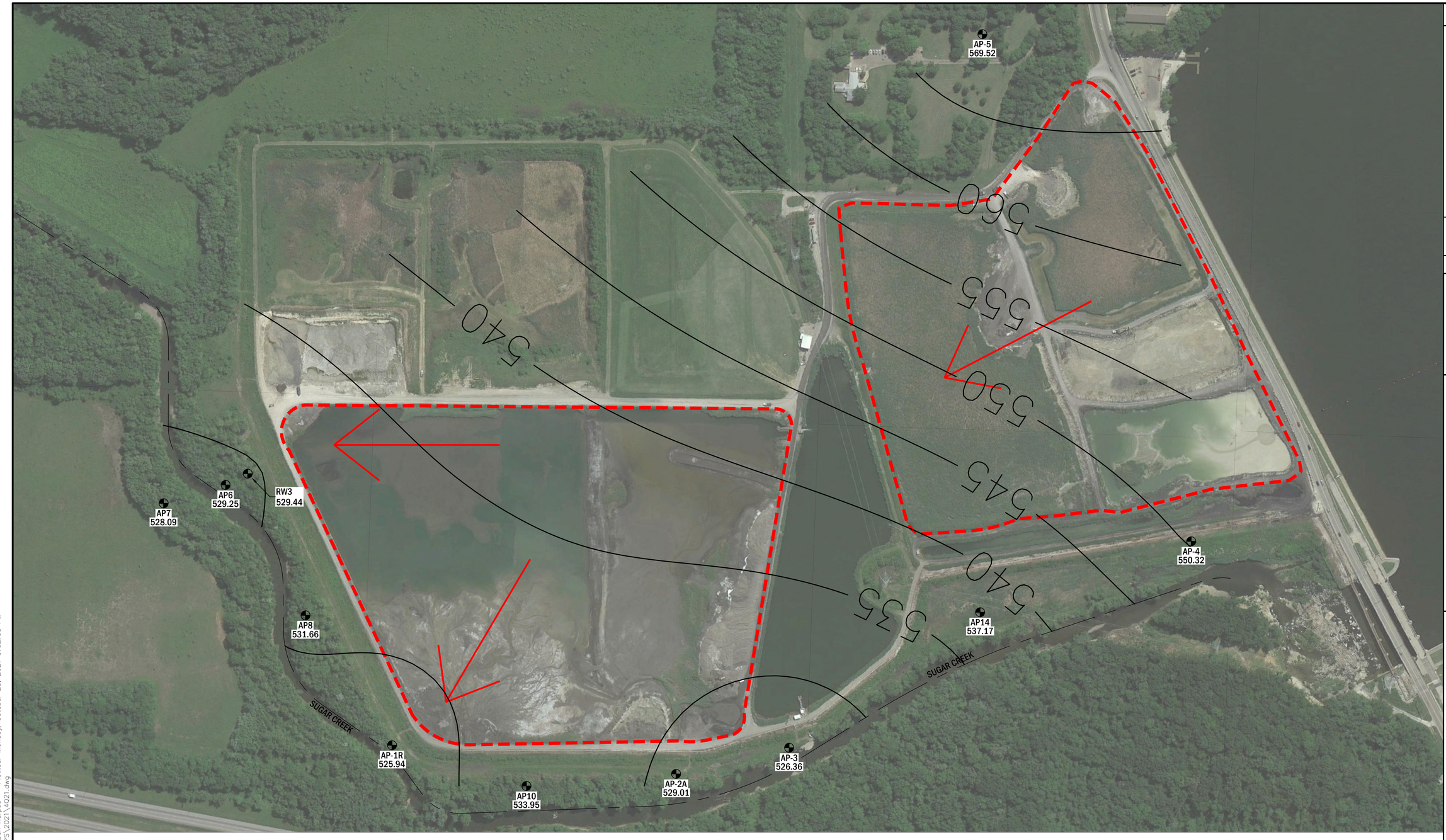
DATE: OCTOBER 2021

PROJECT ID: 150077/0021

SHEET NUMBER: 3Q21

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LEGEND

- MONITORING WELL LOCATION
- CCR SURFACE IMPOUNDMENT
- GROUNDWATER FLOW DIRECTION

NOTES

1. SAMPLING DATE: 10/21/2021
2. CONTOUR INTERVAL = 5 FEET
3. IMAGE SOURCE: GOOGLE EARTH PRO, IMAGE DATE MAY 15, 2012
4. ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM (1988).

N

0 150 300 600

SCALE: IN FEET

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POTENTIOMETRIC SURFACE MAP
4TH QUARTER 2021

PLANS PREPARED FOR
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SPRINGFIELD, SANGAMON COUNTY, ILLINOIS

DATE: OCTOBER 2021

PROJECT ID: 150077/0021

SHEET NUMBER: 4Q21

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