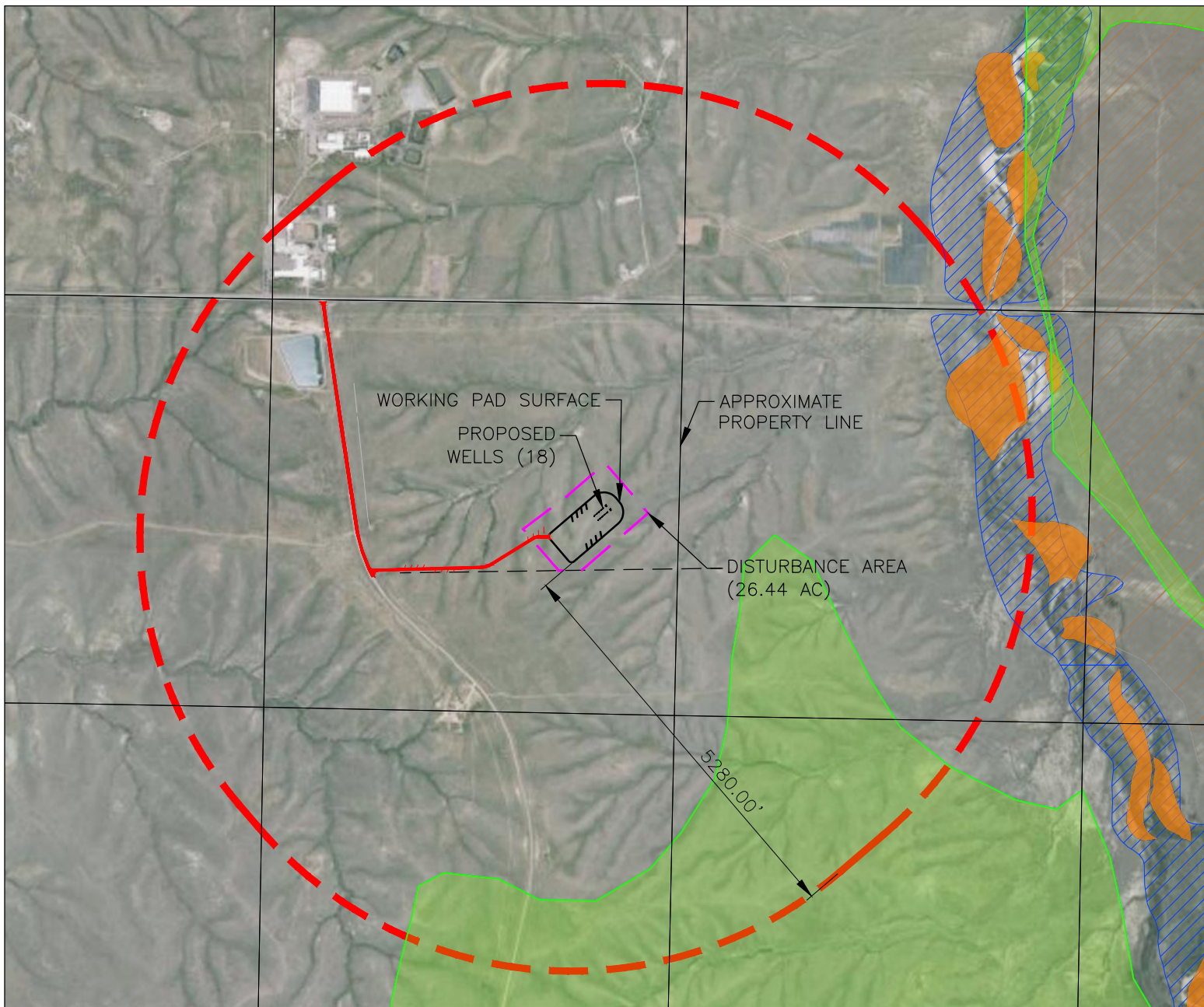


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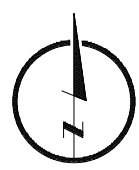


NOTE:

- SOURCES/HAZARDS REVIEWED:
 1. ECMC - GEOLOGIC HAZARDS
 -[HTTPS://ECMC.STATE.CO.US/ DATA2.HTML#/DOWNLOADS](https://ecmc.state.co.us/data2.html#/downloads)
 a. DRMS MINE
 b. CGS COAL MINE
 c. COAL AREA
 d. EARTHQUAKES
2. COLORADO GEOLOGICAL SURVEY
 -[HTTPS://COLORADOGEOLOGICALSURVEY.ORG/GIS-DATA-MAP-PORTAL/](https://coloradogeologicalsurvey.org/gis-data-map-portal/)
 a. FAULT LINES
 b. COLLAPSIBLE SOILS
 c. COAL MINES
 d. EG-14 COLLAPSIBLE SOILS

LEGEND

- DISTURBANCE AREA
- WORKING PAD SURFACE
- 5280' BUFFER
- ACCESS ROAD
- EG-14 EOLIAN (WIND-BLOWN) DEPOSITS
- 100-YEAR FLOODWAY
- EG-14 CRETACEOUS AND TERTIARY FORMATIONS ZONE AE
- EG-14 DUNE AND SHEET SAND DEPOSITS
- FORESTED SHRUB/RIPRARIAN (WETLAND)



Reviewed by:

Dan Harrington
 Senior Geologist
 CIVITAS RESOURCES

I CERTIFY THAT I AM A PROFESSIONAL GEOLOGIST, HAVING MET THE EDUCATIONAL REQUIREMENTS AND PROFESSIONAL WORK EXPERIENCE REQUIRED BY C.R.S 23-41-208.(1).(b). I HAVE REVIEWED INFORMATION PERTAINING TO THIS OIL AND GAS LOCATION AND THE SURROUNDING AREA AND HAVE IDENTIFIED THREE GEOLOGIC HAZARDS: SINCE THE LOCATION IS DIRECTLY ADJACENT TO OTHER OIL & GAS DEVELOPMENT, WE DON'T BELIEVE THAT EG-14 EOLIAN SOILS ARE PRESENT IN SIGNIFICANT ENOUGH QUANTITIES TO ADVERSELY IMPACT THE PROPOSED PROJECT. THE PROPOSED LOCATION IS OUTSIDE AND UPGRADIENT OF THE 100-YEAR FLOODPLAIN, AVOIDING ANY RISK IN THE CHANCE OF A FLOOD.

LAMP RYNEARSON

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CRESTONE PEAK RESOURCES OPERATING LLC

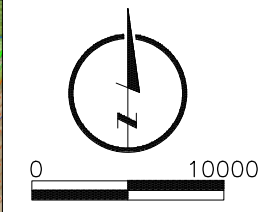
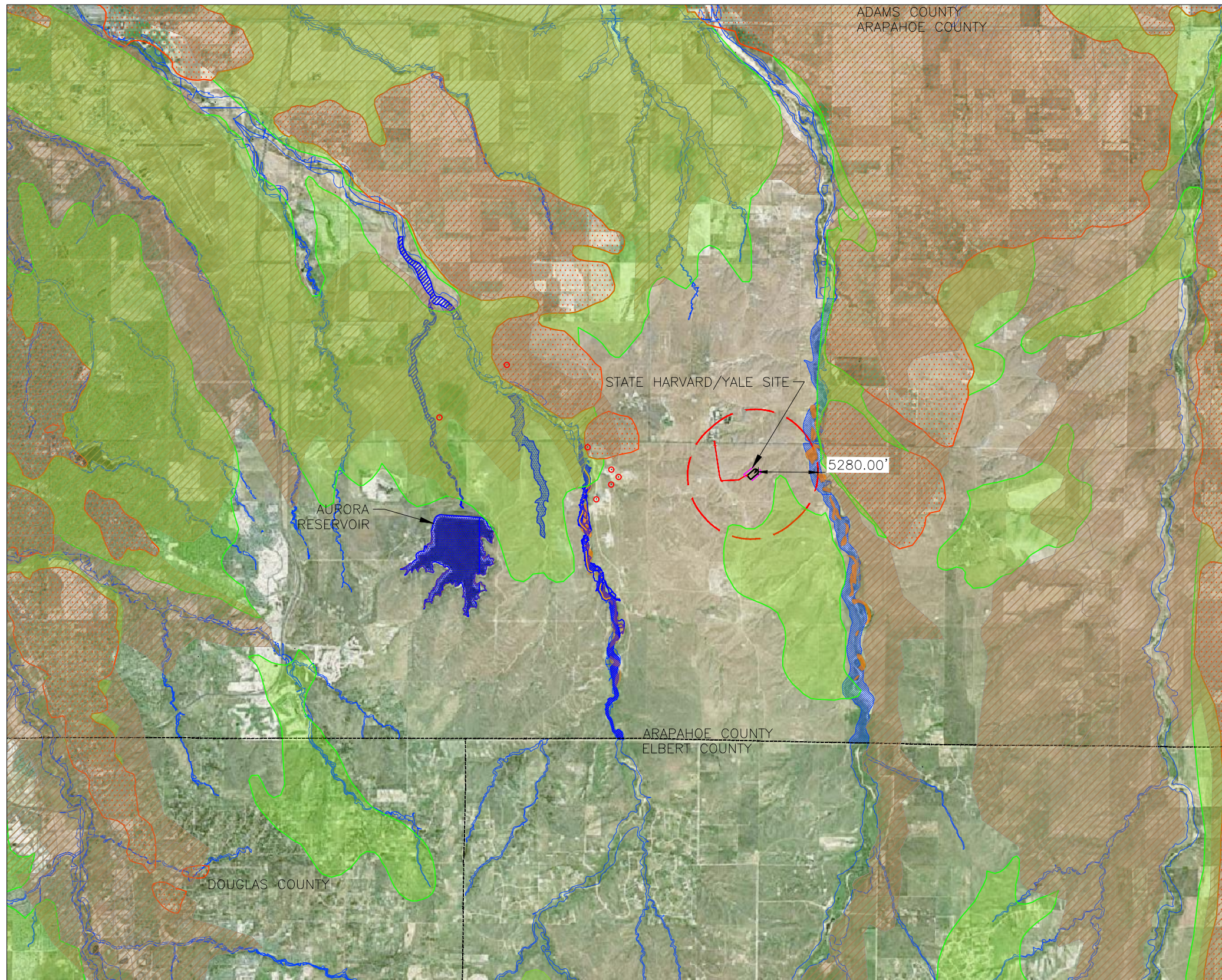
OMAHA, NEBRASKA
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DESIGNER / DRAFTER	JAIME P./PAUL G.
REVIEWER	MAP
PROJECT NUMBER	0222037
DATE	08/20/2024
SURFACE LOCATION	S08 T5S R64W
BOOK AND PAGE	1 OF 1

STATE HARVARD/ YALE GEOLOGIC HAZARDS MAP



LEGEND

- LIMITS OF DISTURBANCE AREA
- WORKING PAD SURFACE
- 5280' BUFFER
- POTENTIAL WETLANDS (RIVERINE)
- FORESTED SHRUB/RIPRARIAN (WETLAND)
- 100-YEAR FLOODWAY
- 100-YEAR FLOODPLAIN
- APPROXIMATE ACCESS ROAD LOCATION
- COAL CREEK CENTERLINE
- EG-14 EOLIAN (WIND-BLOWN) DEPOSITS
- EG-14 CRETACEOUS AND TERTIARY FORMATIONS ZONE AE
- EG-14 DUNE AND SHEET SAND DEPOSITS
- COUNTY LINES
- CGS MINES

NOTE:

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CIVITAS
 CRESTONE PEAK RESOURCES OPERATING LLC

DESIGNER / DRAFTER
 PVG/MWB

REVIEWER
 MICHAEL PALIZZI

PROJECT NUMBER
 0222037

DATE
 06/28/2024

SURFACE LOCATION
 S08 T5S R64W

BOOK AND PAGE
 1 OF 2

STATE HARVARD/YALE

GEOLOGIC HAZARD EXPANDED AREA