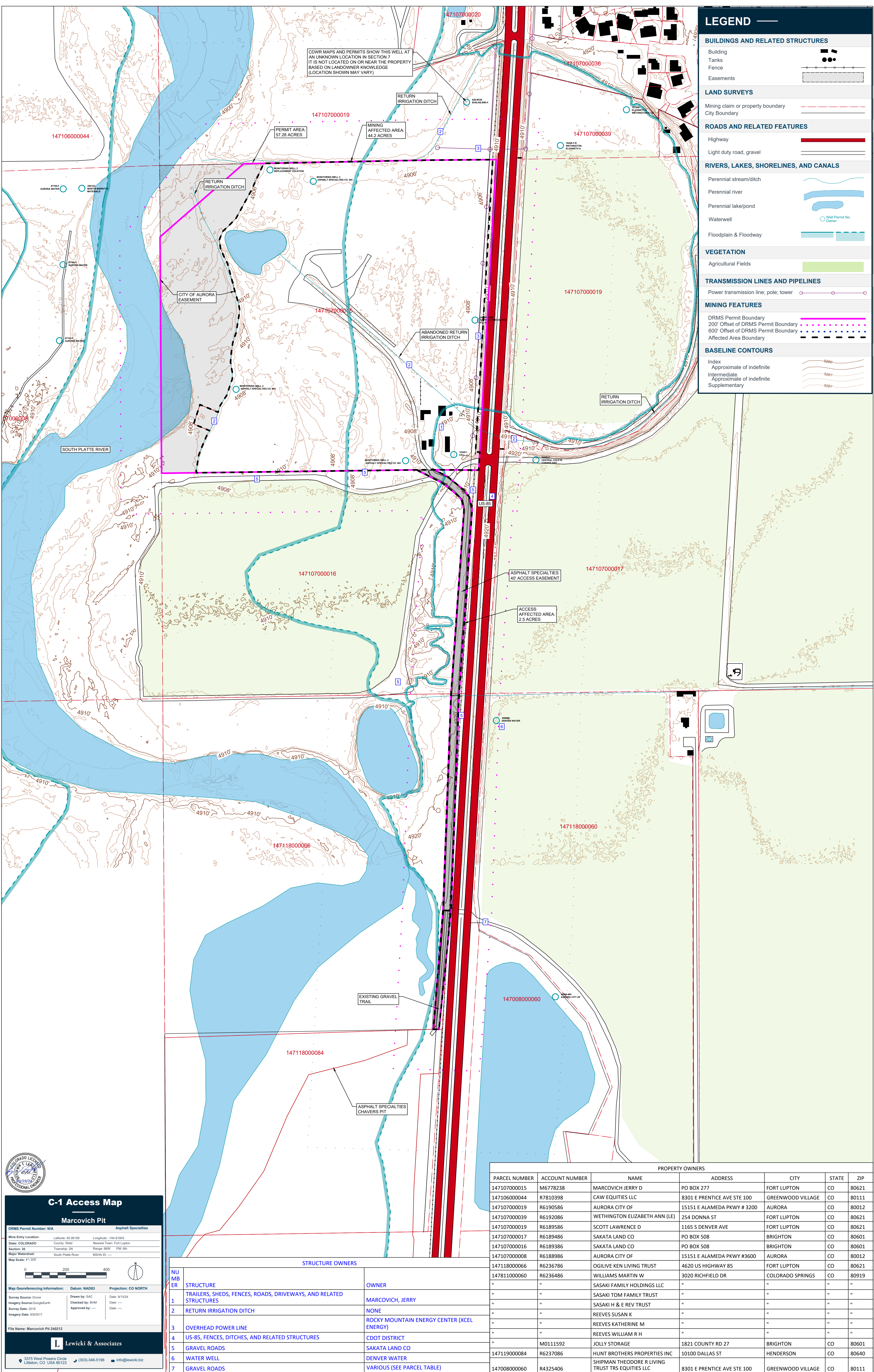




C-1 Access Map

Marcovich Pit

DRMS Permit Number: N/A Asphalt Specialties

Mine Entry Location:	Latitude: 40.08158	Longitude: -104.81993
State: COLORADO	County: Weld	Nearest Town: Fort Lupton
Section: 30	Township: 2N	Range: 69W PM: 6th
Major Watershed:	South Platte River	MSHA ID: ---

Map Scale: 1"=200'

0

200

400

Map Georeferencing Information:

Datum: NAD83

Projection: CO NORTH

Survey Source: Drone

Drawn by: SAC

Date: 9/13/24

Imagery Source: GoogleEarth

Checked by: BHM

Date: ---

Survey Date: 2019

Approved by: ---

Date: ---

Imagery Date: 6/9/2017

File Name: Marcovich Pit 240212

Lewicki & Associates

3375 West Powers Circle
Littleton, CO USA 80123

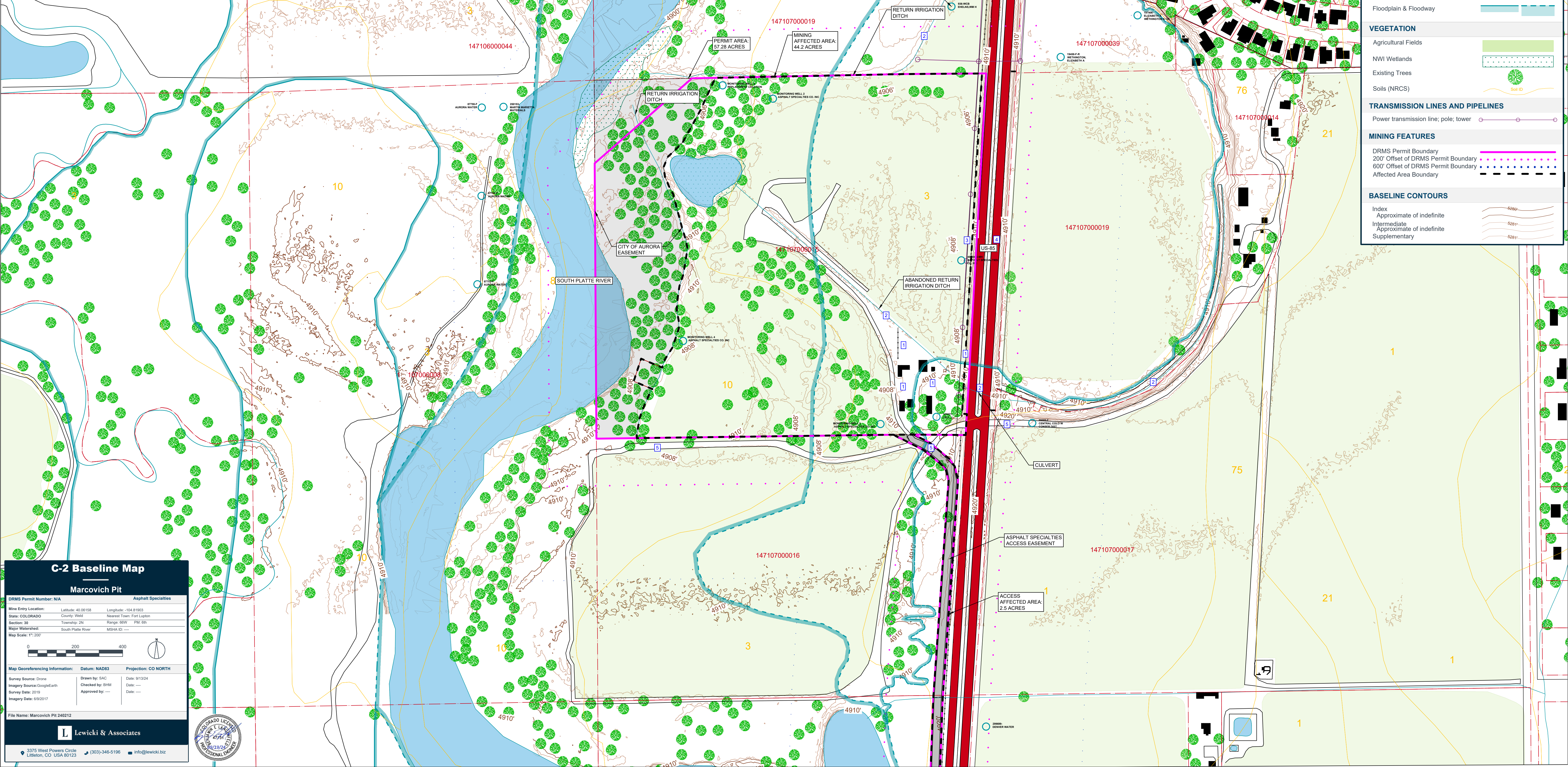
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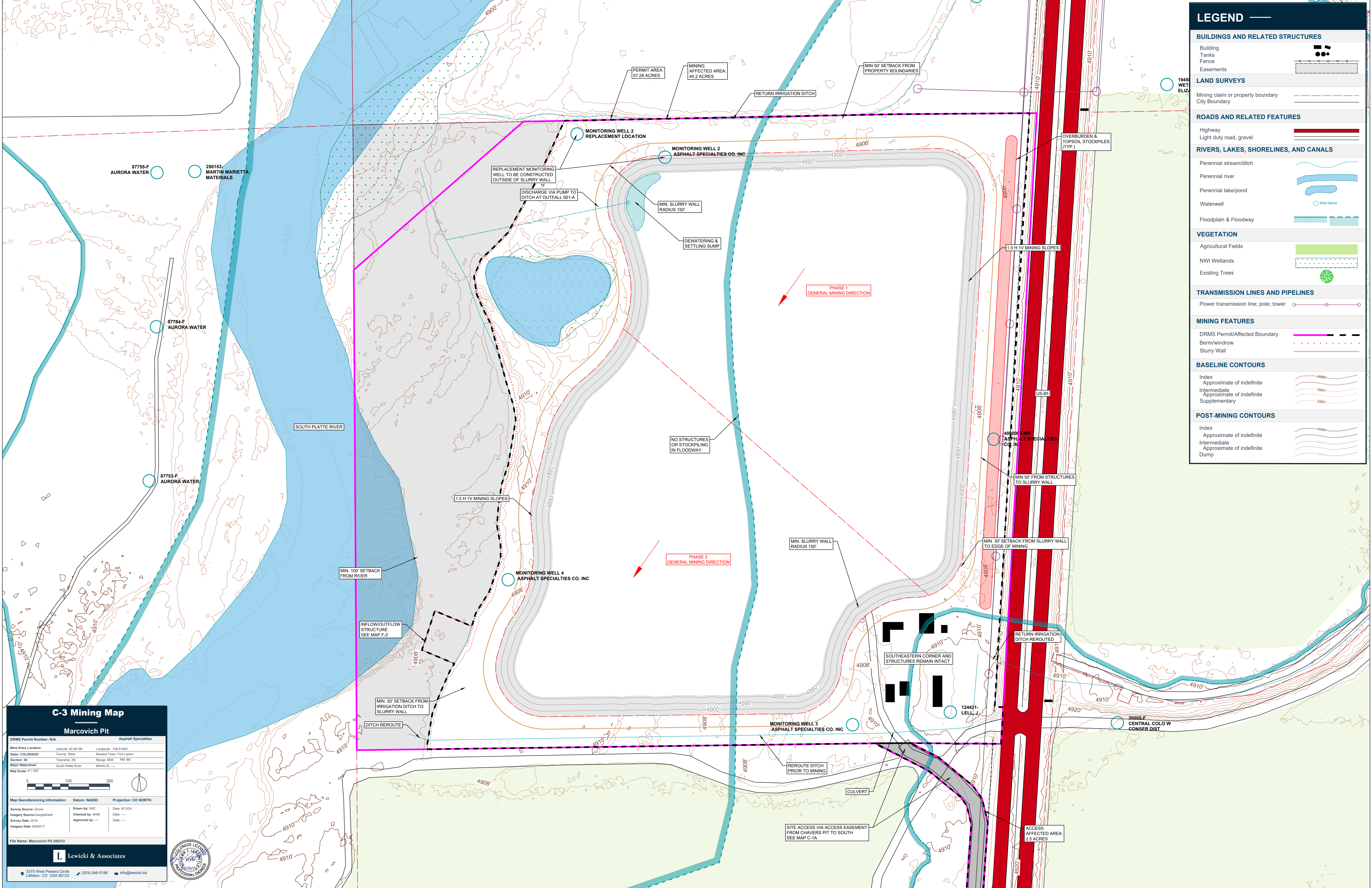
info@lewicki.biz

PROPERTY OWNERS							
PARCEL NUMBER	ACCOUNT NUMBER	NAME	ADDRESS	CITY	STATE	ZIP	
147107000015	M6778238	MARCOVICH JERRY D	PO BOX 277	FORT LUPTON	CO	80621	
147106000044	R7810398	CAW EQUITIES LLC	8301 E PRENTICE AVE STE 100	GREENWOOD VILLAGE	CO	80111	
147107000019	R6190586	AURORA CITY OF	15151 E ALAMEDA PKWY # 3200	AURORA	CO	80012	
147107000039	R6192086	WETHINGTON ELIZABETH ANN (LE)	254 DONNA ST	FORT LUPTON	CO	80621	
147107000019	R6189586	SCOTT LAWRENCE D	1165 S DENVER AVE	FORT LUPTON	CO	80621	
147107000017	R6189486	SAKATA LAND CO	PO BOX 508	BRIGHTON	CO	80601	
147107000016	R6189386	SAKATA LAND CO	PO BOX 508	BRIGHTON	CO	80601	
147107000008	R6188986	AURORA CITY OF	15151 E ALAMEDA PKWY #3600	AURORA	CO	80012	
147118000066	R6236786	OGLIVE KEN LIVING TRUST	4620 US HIGHWAY 85	FORT LUPTON	CO	80621	
147811000060	R6236486	WILLIAMS MARTIN W	3020 RICHFIELD DR	COLORADO SPRINGS	CO	80919	
"	"	SASAKI FAMILY HOLDINGS LLC	"	"	"	"	
"	"	SASAKI TOM FAMILY TRUST	"	"	"	"	
"	"	SASAKI H & E REV TRUST	"	"	"	"	
"	"	REEVES SUSAN K	"	"	"	"	
"	"	REEVES KATHERINE M	"	"	"	"	
"	"	REEVES WILLIAM R H	"	"	"	"	
"	"	M0111592	JOLLY STORAGE	1821 COUNTY RD 27	BRIGHTON	CO	80601
147119000084	R6237086	HUNT BROTHERS PROPERTIES INC	10100 DALLAS ST	HENDERSON	CO	80640	
147008000060	R4325406	SHIPMAN THEODORE R LIVING TRUST TRS EQUITIES LLC	8301 E PRENTICE AVE STE 100	GREENWOOD VILLAGE	CO	80111	

PROPERTY OWNERS						
PARCEL NUMBER	ACCOUNT NUMBER	NAME	ADDRESS	CITY	STATE	ZIP
147107000015	M6778238	MARCOVICH JERRY D	PO BOX 277	FORT LUPTON	CO	80621
147106000044	R7810398	CAW EQUITIES LLC	8301 E PRENTICE AVE STE 100	GREENWOOD VILLAGE	CO	80111
147107000019	R6190586	AURORA CITY OF	15151 E ALAMEDA PKWY # 3200	AURORA	CO	80012
147107000039	R6192086	WETHINGTON ELIZABETH ANN (LE)	254 DONNA ST	FORT LUPTON	CO	80621
147107000019	R6189586	SCOTT LAWRENCE D	1165 S DENVER AVE	FORT LUPTON	CO	80621
147107000017	R6189486	SAKATA LAND CO	PO BOX 508	BRIGHTON	CO	80601
147107000016	R6189386	SAKATA LAND CO	PO BOX 508	BRIGHTON	CO	80601
147107000008	R6188986	AURORA CITY OF	15151 E ALAMEDA PKWY #3600	AURORA	CO	80012

STRUCTURE OWNERS		
NUMBER	STRUCTURE	OWNER
1	TRAILERS, SHEDS, FENCES, ROADS, DRIVEWAYS, AND RELATED STRUCTURES	MARCOVICH, JERRY
2	RETURN IRRIGATION DITCH	TBD
3	OVERHEAD POWER LINE	ROCKY MOUNTAIN ENERGY CENTER (XCEL ENERGY)
4	US-85, FENCES, DITCHES, AND RELATED STRUCTURES	CDOT DISTRICT
5	GRAVEL ROADS, FENCES	SAKATA LAND CO





LEGEND

BUILDINGS AND RELATED STRUCTURES

Building
Tanks
Fence
Easements

LAND SURVEYS

Mining claim or property boundary
City Boundary

ROADS AND RELATED FEATURES

Highway
Light duty road, gravel

RIVERS, LAKES, SHORELINES, AND CANALS

Perennial stream/ditch
Perennial river
Perennial lake/pond
Waterwell
Floodplain & Floodway

VEGETATION

Agricultural Fields
NW1 Wetlands
Existing Trees

TRANSMISSION LINES AND PIPELINES

Power transmission line; pole; tower

MINING FEATURES

DRMS Permit/Affected Boundary
Berm/windrow
Slurry Wall

BASELINE CONTOURS

Index
Approximate of indefinite
Intermediate
Approximate of indefinite
Supplementary

POST-MINING CONTOURS

Index
Approximate of indefinite
Intermediate
Approximate of indefinite
Dump

C-3 Mining Map
Marcovich Pit

DRMS Permit Number: N/A

Asphalt Specialties

Mine Entry Location: Latitude: 40.06158 Longitude: -104.81903

State: COLORADO County: Weld Nearest Town: Fort Lupton

Section: 30 Township: 2N Range: 69W F&M: 6th

Major Watershed: South Platte River MSHA ID: ---

Map Scale: 1"=100'

Map Georeferencing Information: Datum: NAD83 Projection: CO NORTH

Survey Source: Drone Drawn by: SAC Date: 9/13/24

Imagery Source: GoogleEarth Checked by: BHM Date: ---

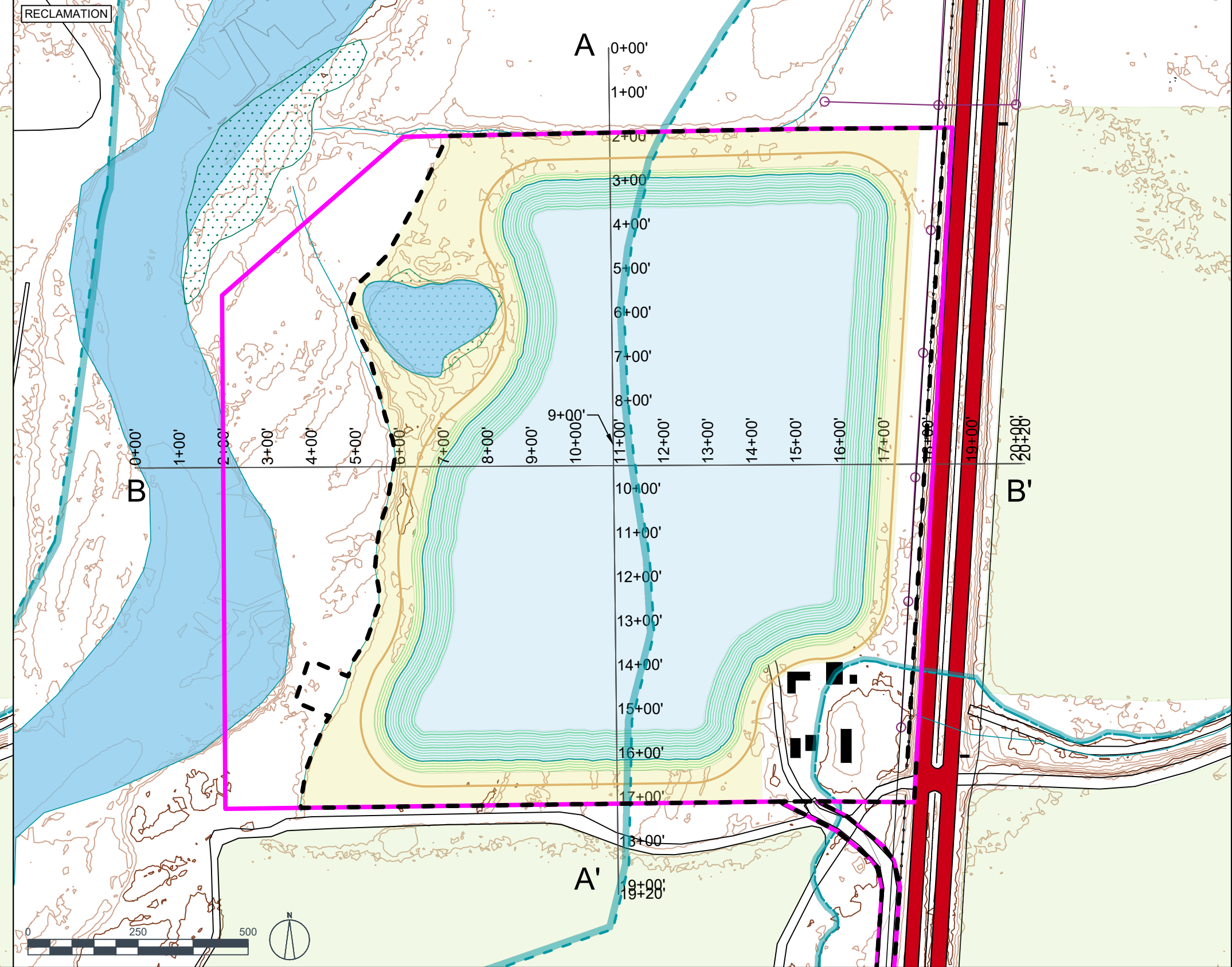
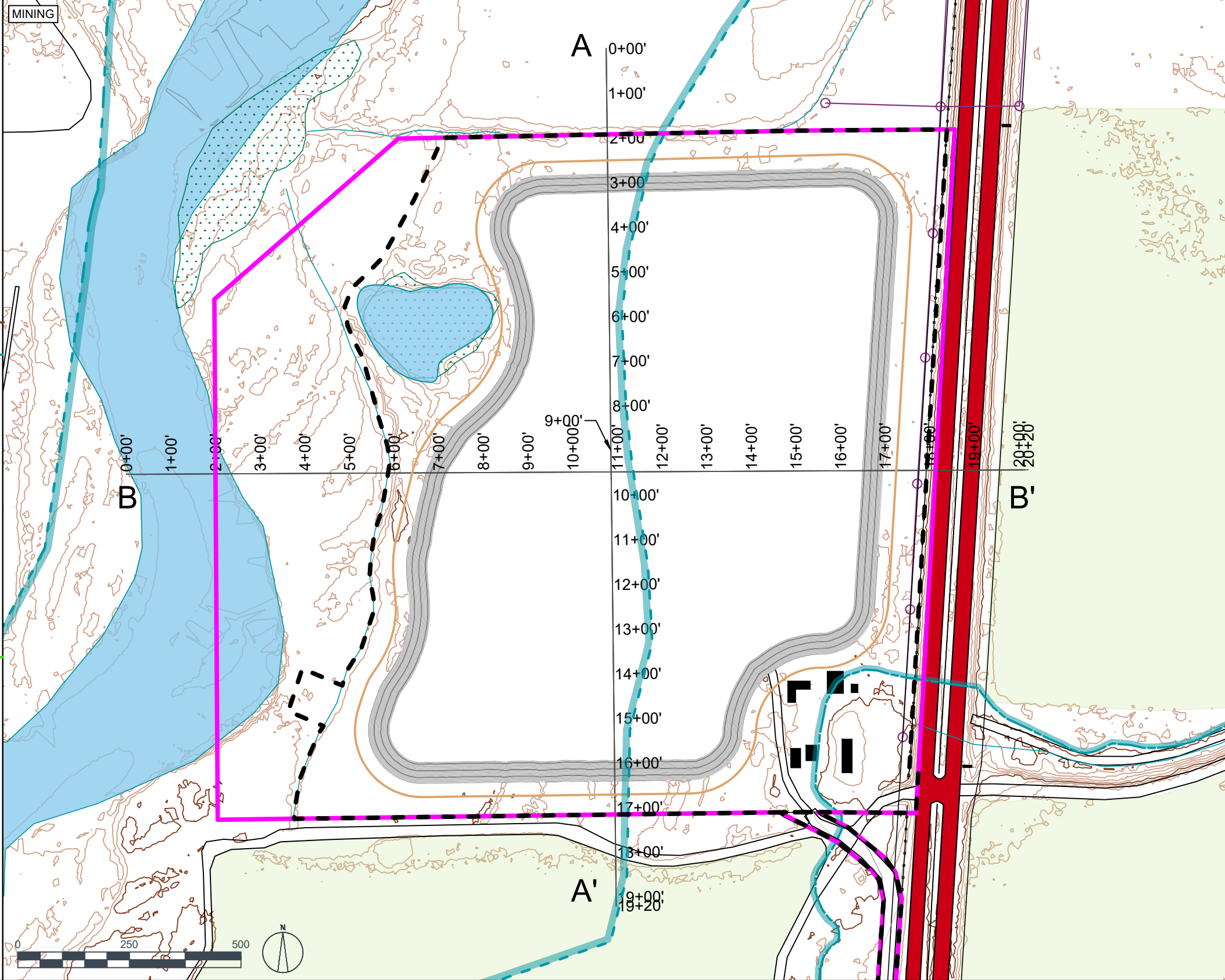
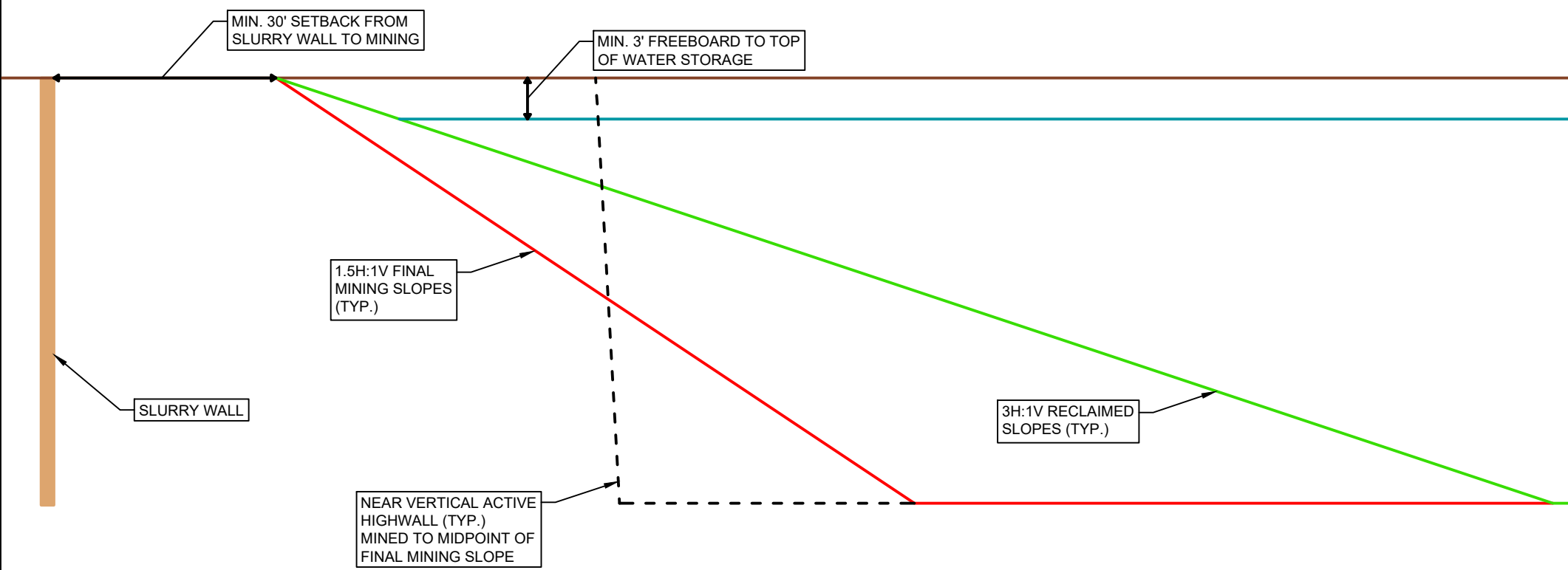
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File Name: Marcovich Pit 240212

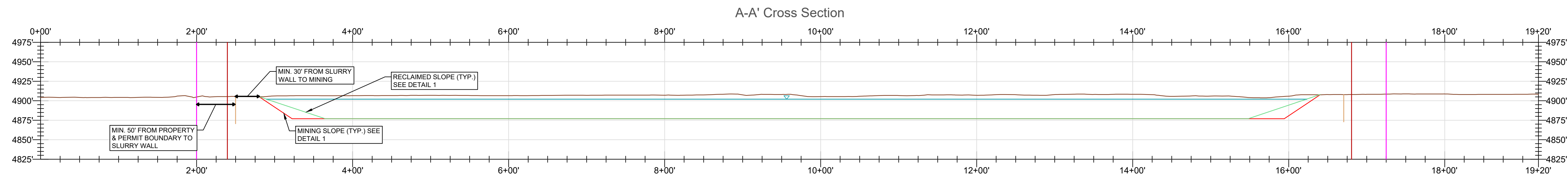
L Lewicki & Associates

3375 West Powers Circle
Littleton, CO USA 80123 (303) 346-5196 info@lewicki.biz

DETAIL 1 - TYPICAL SLOPES



LEGEND	
ROADS AND RELATED FEATURES	
Highway	
Light duty road, gravel	
RIVERS, LAKES, SHORELINES, AND CANALS	
Perennial stream/ditch	
Perennial river	
Perennial lake/pond	
Floodplain & Floodway	
MINING FEATURES	
DRMS Permit/Affected Boundary	
Slurry Wall	
VEGETATION	
Rangeland/Agricultural Field	
NWI Wetlands	
TRANSMISSION LINES AND PIPELINES	
Power transmission line, pole, tower	
BASELINE CONTOURS	
Index	
Intermediate	
POST-MINING CONTOURS	
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Intermediate	
POST-RECLAMATION CONTOURS	
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Intermediate	



CROSS SECTION LEGEND	
MINING FEATURES	
DRMS Permit Boundary	
Disturbance Limit	
CROSS SECTIONS	
Baseline Topography	
Mining	
Reclamation	
Anticipated Lake Level	
Slurry Wall	

C-4 Cross Sections

Marcovich Pit

DRMS Permit Number: N/A Asphalt Specialties

Mine Entry Location: Latitude: 40.06156 Longitude: -104.81903

State: COLORADO County: Weld Nearest Town: Fort Lupton

Section: 30 Township: 2N Range: 60W PM: 6N

Major Watershed: South Platte River MSHA ID: ---

Map Scale: 1" = 250'

Map Georeferencing Information: Datum: NAD83 Projection: CO NORTH

Survey Source: Drone Drawn by: SAC Date: 9/13/24

Imagery Source: GoogleEarth Checked by: BHM Date: ---

Survey Date: 2019 Approved by: --- Date: ---

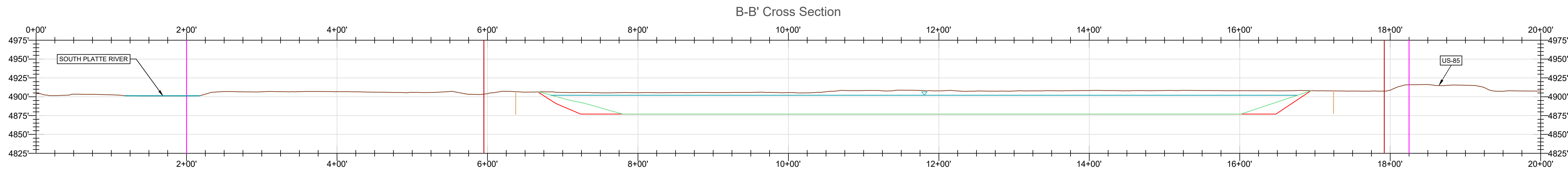
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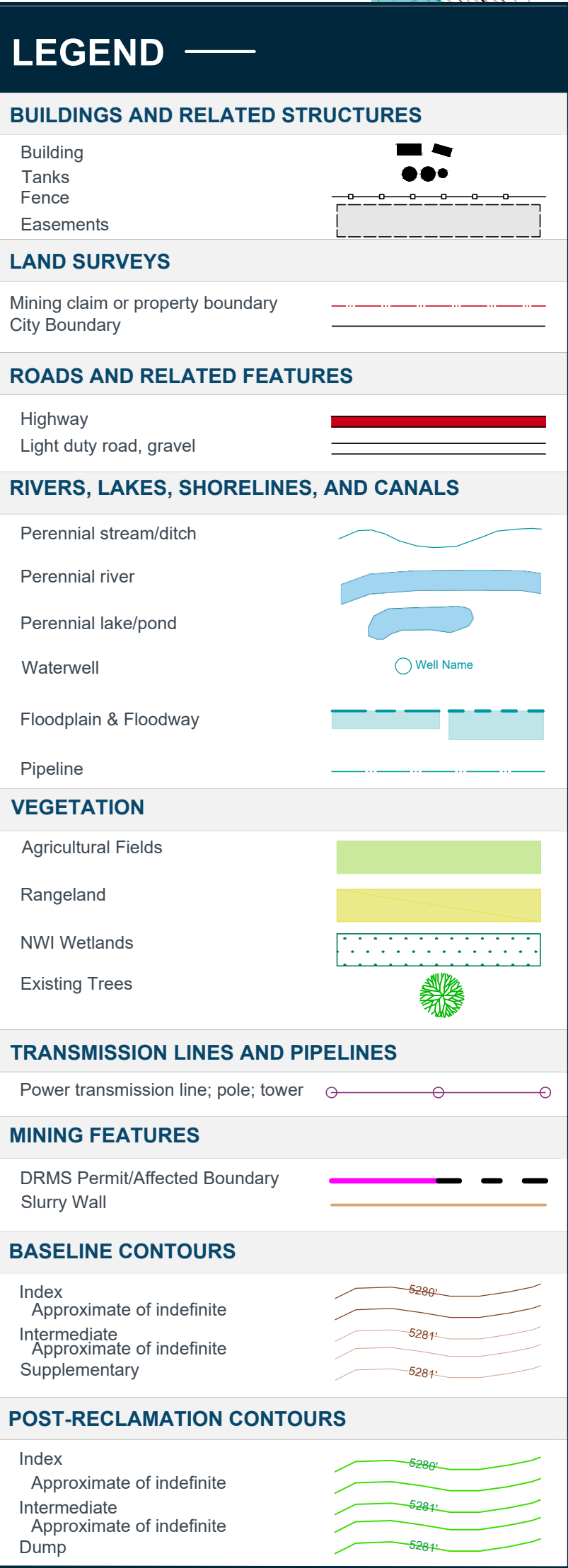
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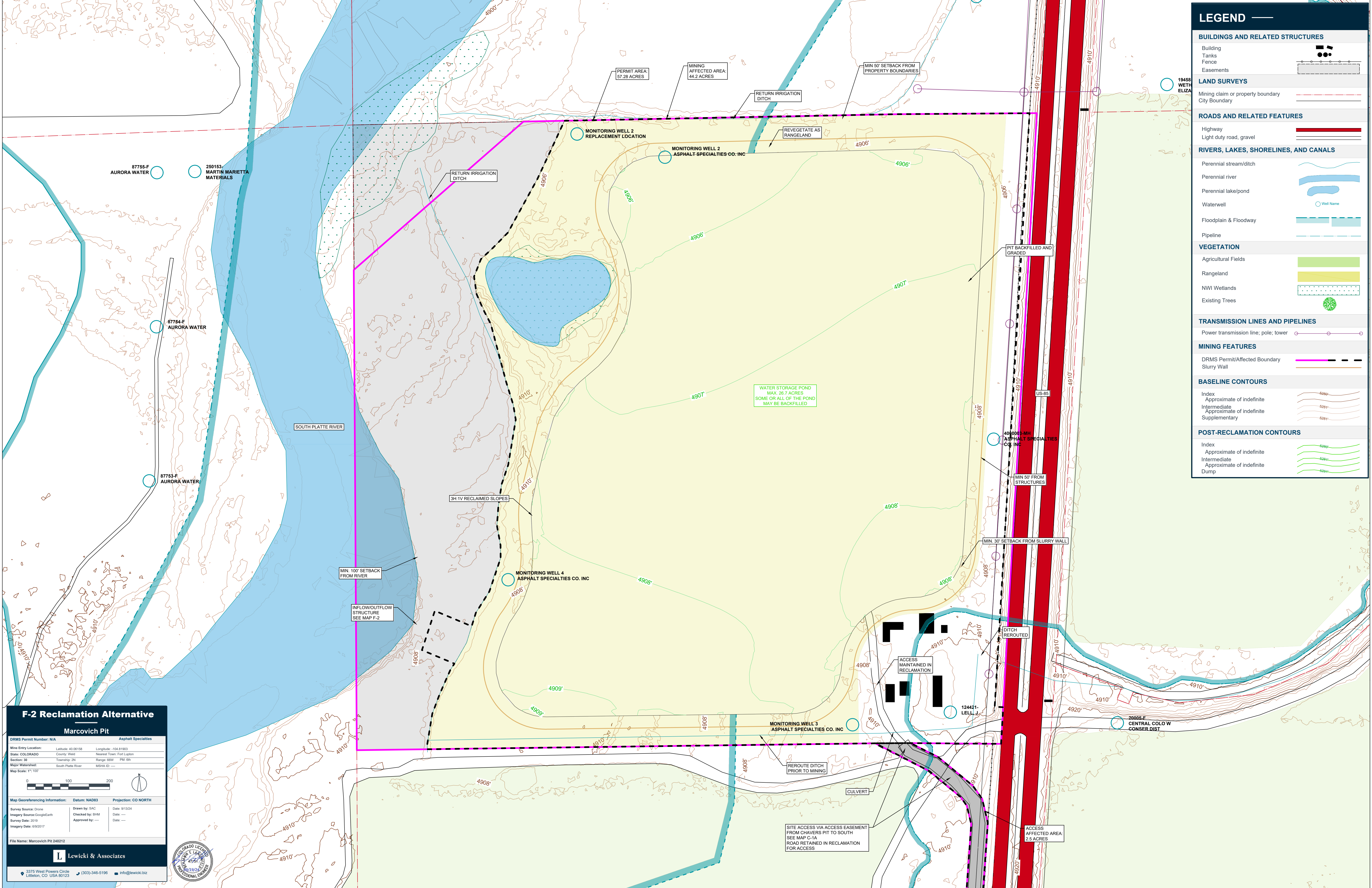
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Littleton, CO USA 80123

(303)-346-5196
info@lewicki.biz







LEGEND

BUILDINGS AND RELATED STRUCTURES

Building

Tanks

Fence

Easements

LAND SURVEYS

Mining claim or property boundary

City Boundary

ROADS AND RELATED FEATURES

Highway

Light duty road, gravel

RIVERS, LAKES, SHORELINES, AND CANALS

Perennial stream/ditch

Perennial river

Perennial lake/pond

Waterwell

Floodplain & Floodway

Pipeline

VEGETATION

Agricultural Fields

Rangeland

NWI Wetlands

Existing Trees

TRANSMISSION LINES AND PIPELINES

Power transmission line; pole; tower

MINING FEATURES

DRMS Permit/Affected Boundary

Slurry Wall

BASELINE CONTOURS

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Approximate of indefinite

Intermediate

Approximate of indefinite

Supplementary

POST-RECLAMATION CONTOURS

Index

Approximate of indefinite

Intermediate

Approximate of indefinite

Dump

F-2 Reclamation Alternative

Marcovich Pit

DRMS Permit Number: N/A

Asphalt Specialties

Mine Entry Location: Latitude: 40.06158 Longitude: -104.81903

State: COLORADO County: Weld Nearest Town: Fort Lupton

Section: 30 Township: 2N Range: 69W F&M: 6th

Major Watershed: South Platte River MSHA ID: ---

Map Scale: 1"=100'

Map Georeferencing Information: Datum: NAD83 Projection: CO NORTH

Survey Source: Drone Drawn by: SAC Date: 9/13/24

Imagery Source: GoogleEarth Checked by: BHM Date: ---

Survey Date: 2019 Imagery Date: 8/9/2017 Approved by: --- Date: ---

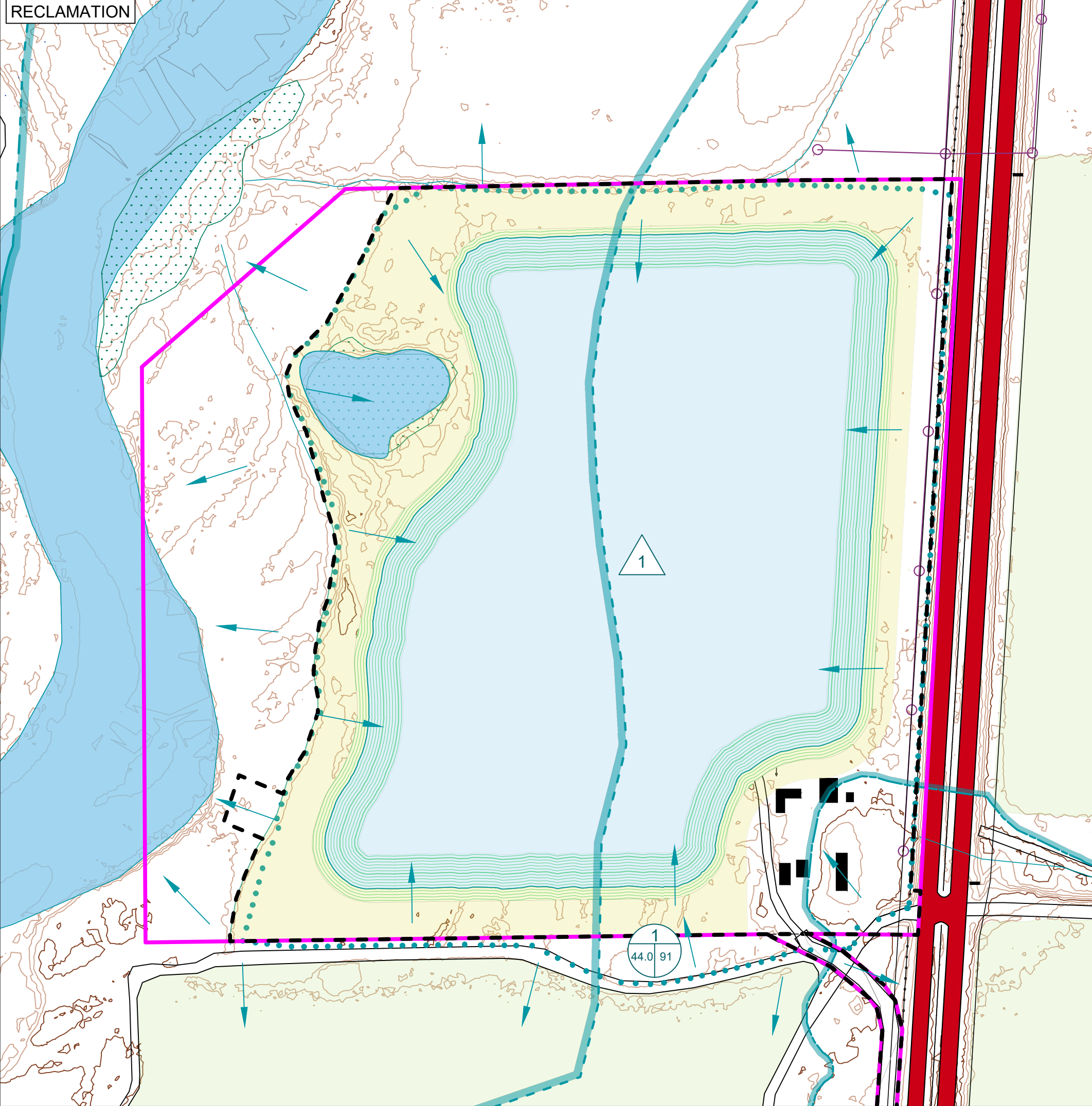
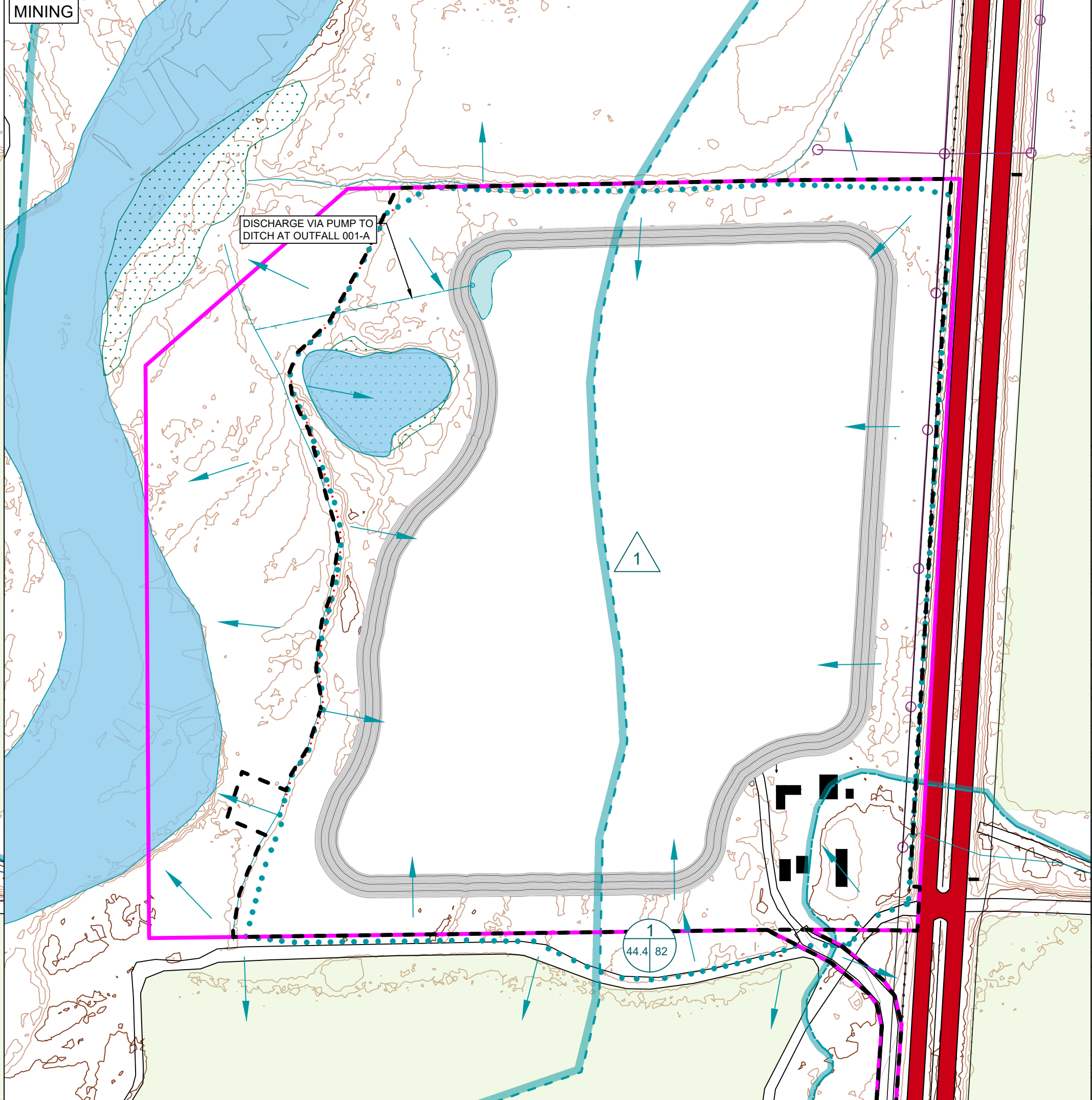
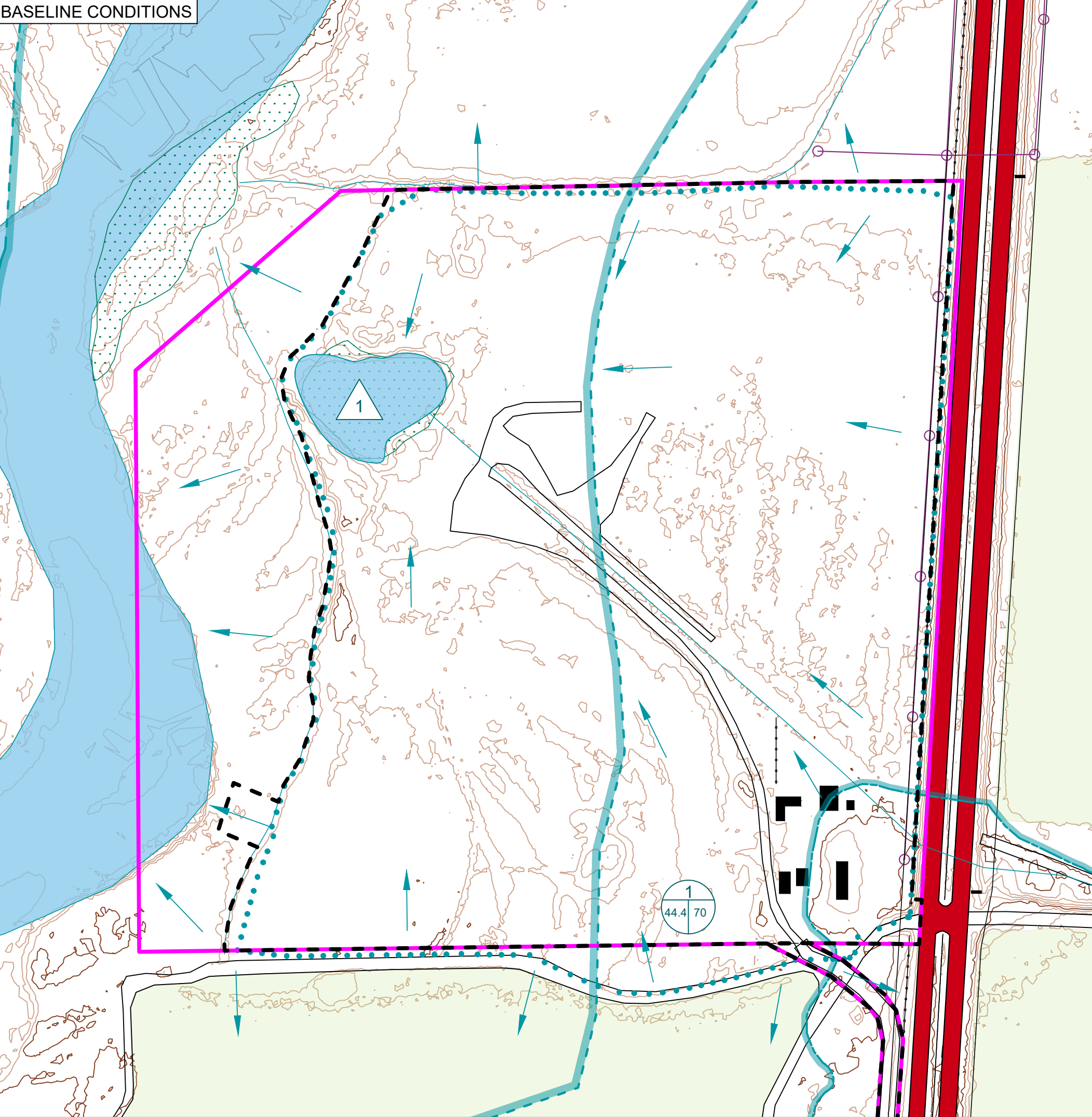
File Name: Marcovich Pit 240212

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Littleton, CO USA 80123

(303)-346-5196

info@lewicki.biz



LEGEND

ROADS AND RELATED FEATURES

- Highway
- Light duty road, gravel

RIVERS, LAKES, SHORELINES, AND CANALS

- Perennial stream/ditch
- Perennial river
- Perennial lake/pond
- Drainage Basin
- Floodplain & Floodway
- Drainage Direction

MINING FEATURES

- DRMS Permit Boundary
- Slurry Wall
- Affected Area
- Stormwater Berm

VEGETATION

- Rangeland
- NWI Wetlands

TRANSMISSION LINES AND PIPELINES

- Power transmission line, pole, tower

BASELINE CONTOURS

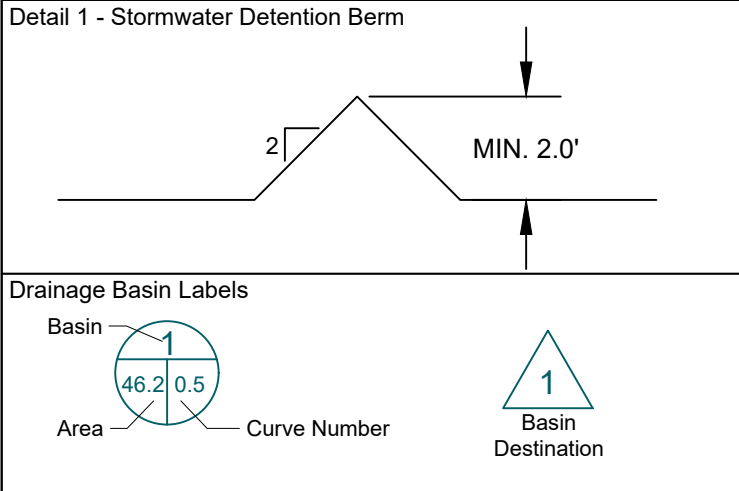
- Index
- Intermediate

POST-MINING CONTOURS

- Index
- Intermediate

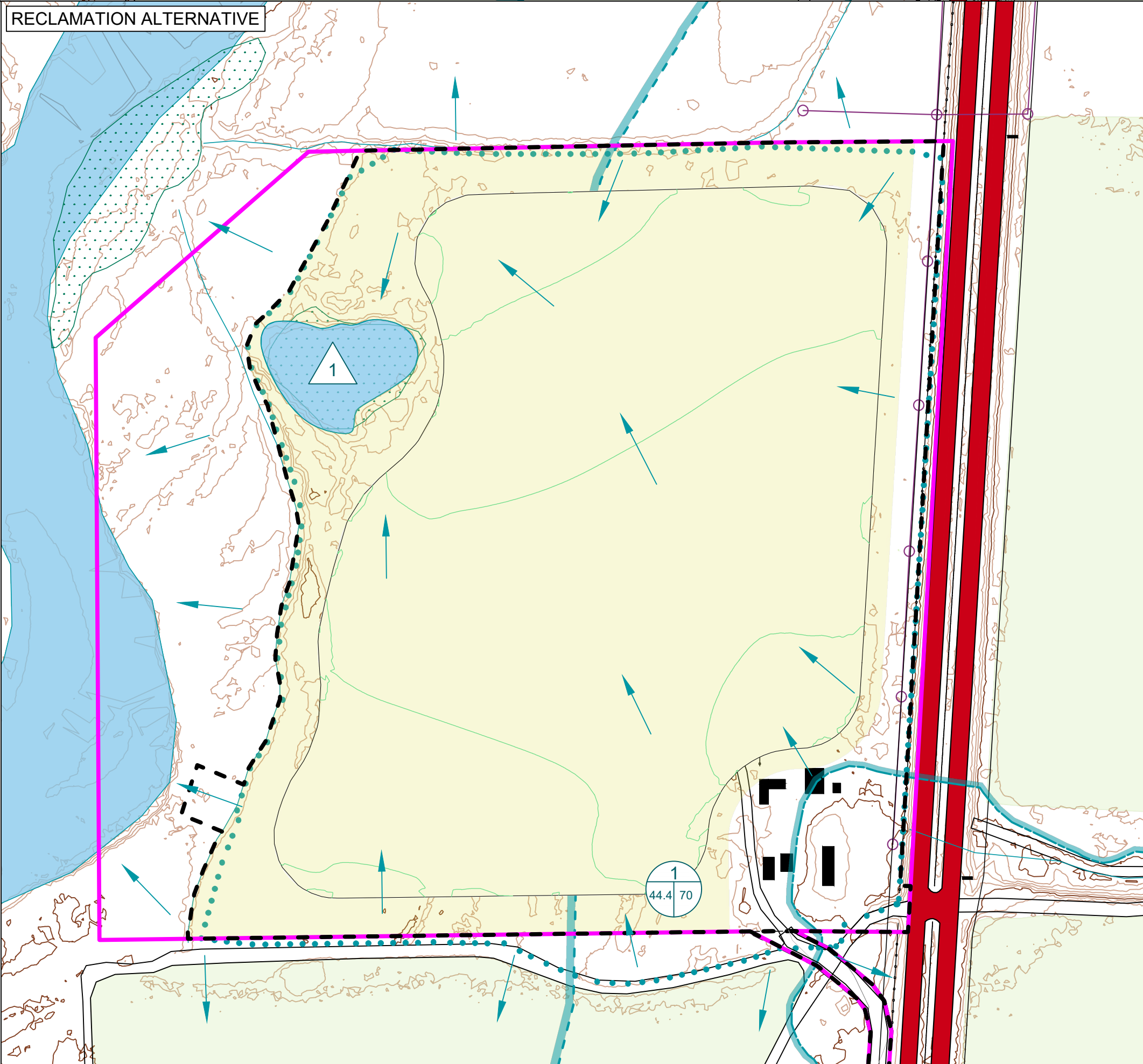
POST-RECLAMATION CONTOURS

- Index
- Intermediate



Drainage Basin Runoff & Detention					
Phase of Operation	Area (ac)	Curve Number	5-YR 24-HR Runoff (ac-ft)	100-YR 24-HR Runoff (ac-ft)	Detention Capacity in Pit (ac-ft)
Baseline	44.4	70	1.33	6.55	N/A
Mining	44.4	82	3.18	10.3	525.8
Reclamation	44.4	89	4.76	12.8	82.0
Reclamation - Alternative	44.4	76	1.21	6.3	N/A

NOTE: Detention capacity calculated in AutoCAD as surface volume in pit for mining, and volume above water storage for reclamation.



G-1 Drainage Map

Marcovich Pit

DRMS Permit Number: N/A

Asphalt Specialties

Mine Entry Location: Latitude: 40.06158 Longitude: -104.81903

State: COLORADO County: Weld Nearest Town: Fort Lupton

Section: 36 Range: 66W PM: 68

Major Watershed: South Platte River MSNA ID: ---

Map Scale: 1" = 200'

Map Georeferencing Information: Datum: NAD83 Projection: CO NORTH

Survey Source: Drone Drawn by: SAC Date: 8/13/24

Imagery Source: GoogleEarth Checked by: BHM Date: ---

Survey Date: 2019 Approved by: --- Date: ---

Imagery Date: 6/9/2017

File Name: Marcovich Pit 240212

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