

LEGEND

	PERMIT BOUNDARY/AFFECTED LANDS
	200 FOOT LIMIT
	COMMUNICATION LINES
	OVERHEAD POWER LINES
	FENCE
	ABANDONED RAILROAD GRADE
	WATER LINE
	IRRIGATION LINES
	FIBER OPTIC LINES
	GAS LINES
	ROADS (OFFSITE)
	ROADS (HAUL, ACCESS) (TYP.)
	TOPO CONTOUR
	RIVER
	DITCH
	FLOOD PLAIN
	BUILDINGS
	MONITORING WELL
	WATER WELL
	PUBLIC ROAD RIGHT OF WAY

Vegetation Information

The following vegetation types were observed and mapped on the site. Location of discussed areas shown on Map Exhibit J2 in Exhibit I/J.

Irrigated cropland - covers about 77.0% (≈364 acres) of the mine. Historically, these areas have been used as irrigated fields in which corn, sorghum, grass hay or other cash crops have been grown. The farmer who leases the land will continue to cultivate these areas that are not being mined throughout the life of the mine. The farmer will determine what crops will be grown year to year and they will be responsible for planting and caring for the crops grown.

Non-Irrigated Grass land and/or Vacant Land - covers approximately 10.1% (≈47 acres). Most of the acreage covers the area between the terrace deposit of gravel and the floodplain on the west side of the river and is used as rangeland. Some wet soils are associated with the irrigation return flow ditch on the western parcels. The vegetation consists of mostly grass, weeds, and some cactus. The plant community is 80 to 85 percent grasses and 5 to 15 percent cactus and weeds. Grass species makeup 85 % to 90%, by weight, of the non-cropland vegetation found on the site.

Open Range Pasture - covers about 6.9% (≈32 acres). Historically, these areas have been used as open livestock grazing area along the South Platte River. The vegetation present in this area is mostly grass intermixed with weeds, scattered trees and brush. There are also areas where no vegetation exists as the underlying gravel has been exposed due to past flooding. The plant community is 50 to 70 percent grasses and 30 to 50 percent, trees, cactus and weeds. Grass species makeup 40 % to 45%, by weight, of the non-cropland vegetation found on the site.

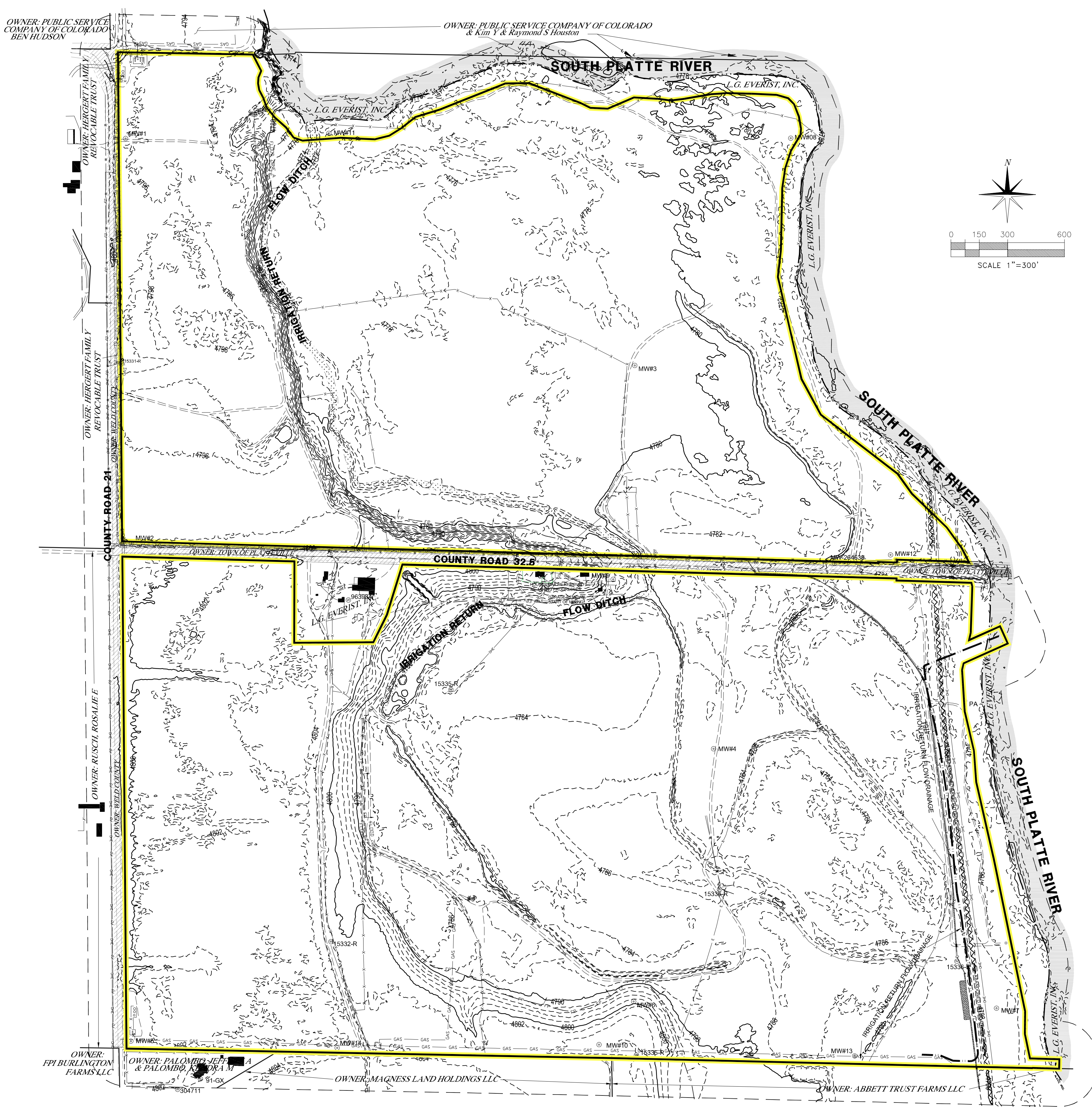
Field Buffer - these areas cover approximately 2.6% (≈12 acres) and cover the area between the irrigation return flow ditch and the terrace deposit or along the old railroad bed that. The plant community and covers are consistent with the Non Irrigated grass land areas. Most of this area will not be mined.

Farming Facilities - these areas cover approximately 2.0% (≈9 acres). They contain houses, barns, sheds, livestock pens, corrals, irrigation pumping areas and equipment parking/storage areas. Vegetation on these areas is usually very sparse and consists of weedy patches and grass.

Oil & Gas operations areas - cover approximately 0.4% (≈2 acres). These areas will not be disturbed by mining and have little or no vegetation of any value. It is mostly weeds with some sparse grass areas surrounding the roads and bare ground. If the O&G areas remain after mining they will not be reseeded or seeded but graded for use by the oil companies. As mining progresses these facilities may be abandoned and if removed they may be mined. **NOTE: LAST O&G WELL PLUGGED AND ABANDONED 11/2024**

Transportation Corridors. - This is City and County ROW along WCR's 32.5, and 21. These areas are not in the permit and will not be disturbed by mining so are excluded from the permit.

Water areas - these areas are within the banks of the irrigation return flow ditch that crosses the permit. The water surface areas at this time cover approximately 1.1 % (≈5.4 Acres). The irrigation return ditch may be removed if it dries up and is not be needed once the reservoirs are constructed.



Owners on or within 200 feet of permit line (12-14-22)

L.G. Everist, Incorporated
7321 E. 88th Ave, Suite 200
Henderson, CO 80640

Abbett Trust Farms LLC
c/o Dunham Trust Co.
241 Ridge St, Ste 100
Reno, NV 895012055

FPI Burlington Farms LLC
4600 S Syracuse St, Ste 1450
Denver, CO 802372766

Hergert Family Revocable Trust
15883 County Road 21
Platteville, CO 806517935

Ben R Houston
9053 County Road 34
Platteville, CO 806519218

Kim Y & Raymond S Houston
15649 County Road 17
Platteville, CO 806519424

Magness Land Holdings LLC
c/o Magness Investment Group LLC
4643 S Ulster St Ste 1400
Denver, CO 802372869

Town of Platteville
400 Grand Avenue
Platteville, CO 805637503

Jeffrey A & Kendra M Palombo
14900 County Road 21
Platteville, CO 806517930

Xcel Energy
Tax Service Department
PO Box 1979
Denver, CO 802011979

Rosalie E Rusch
15225 County Road 21
Platteville, CO, 806517933

ROW's and Easements on or within 200 feet of permit line (12-5-22)

Metro Wastewater Reclamation District
6450 York St.
Denver, CO 80229

Central Weld County Water District
c/o Stan Linker
2235 2nd Avenue
Greeley, CO 80631

Western Mutual Ditch CO
P.O. Box 282
LaSalle, CO 80645

Beeman Irrigation Ditch & Milling Company
Ulrich Farms, Inc.
c/o Ken Ulrich, Ken
14605 County Road 21
Platteville, CO 80651

Weld County Commissioners
1150 Q Street
P.O. Box 758
Greeley, CO 80631

CenturyLink Communications LLC
(Lumen Technologies)
Timothy Kunkleman
931 14th Street Suite 1230
Denver, CO 80202

Karr - McGee/
C/O Anadarko Energy
Attn: Callie Fiddes
P.O. Box 173779
Denver, CO 80217-3779

Snyder Oil Corporation
c/o Devon Energy
333 West Sheridan Avenue
Oklahoma City, OK 731025015

Associated Natural Gas
AKA Panhandle Eastern Pipeline
635 N 7th Ave.
Brighton, CO 80601

DCP Midstream LP/DCP Midstream
Attn: Lew Hagenlock
6900 E. Layton Ave, Ste 900
Denver, CO 80237

LEGAL DESCRIPTION

Parts of the SE $\frac{1}{4}$ NE $\frac{1}{4}$, SW $\frac{1}{4}$ NE $\frac{1}{4}$, NW $\frac{1}{4}$ NE $\frac{1}{4}$, NE $\frac{1}{4}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ SE $\frac{1}{4}$, NW $\frac{1}{4}$ SW $\frac{1}{4}$, NE $\frac{1}{4}$ NW $\frac{1}{4}$, AND NW $\frac{1}{4}$ NW $\frac{1}{4}$, and all of the W $\frac{1}{2}$ SE $\frac{1}{4}$, NW $\frac{1}{2}$ SE $\frac{1}{4}$, NE $\frac{1}{2}$ SW $\frac{1}{4}$, S $\frac{1}{2}$ SW $\frac{1}{4}$, and S $\frac{1}{2}$ NW $\frac{1}{4}$ of Section 14, Township 3 North, Range 67 West, 6th P.M., Weld County, Colorado, EXCEPT County Roads 21 & 32 $\frac{1}{2}$, containing 472.40 ac.±

Mine Entrance: 40°13'25.1536"N, 104°52'02.8563"W W6S84

REVISIONS:

REVISIONS:	DATE:
ORIGINAL PERMIT	11/18/2022
ADEQUACY REVISIONS	5/23/2023
AFFECTED LANDS SURVEY ADDED	11/28/2023
ADDED MONITORING WELL LOCATIONS	1/11/2024
TR TO MODIFY PHASE 1 EAST LINE	2/23/2025

APPLICATION FOR A 112 PERMIT WEST FARM RESERVOIRS M-2022-048



L.G. Everist, Inc.

7321 East 88th Avenue | Henderson, Colorado 80640
phone: (303) 287-4656 | fax: (303) 289-1348

Map Exhibit C - CURRENT CONDITIONS MAP

DATE:	FILE NAME:	SCALE:	DRAWN BY:	CHECKED BY:	SHEET
11/11/2022	DRAFT	1" = 300'	EN/SLO	LGT/LMS	1 OF 4

LEGEND

	PERMIT BOUNDARY/AFFECTED LANDS
	200 FOOT LIMIT
	COMMUNICATION LINES
	OVERHEAD POWER LINES
	FENCE
	ABANDONED RAILROAD GRADE
	WATER LINE
	IRRIGATION LINES
	FIBER OPTIC LINES
	GAS LINES
	UNDERDRAIN (Approximate Location)
	PAVED ROADS (OFFSITE)
	ROADS (HAUL, ACCESS) (TYP.)
	RIVER
	DITCH

	FLOOD PLAIN
	SLURRY WALL (PROPOSED)
	TOP OF MINING SLOPE
	BUILDINGS
	WATER WELL
	OIL/GAS WELL
	ESTIMATED MINING DIRECTION
	PUBLIC ROAD RIGHT OF WAY
	RESERVOIR SLOPE AREAS VARIES 3:1 TO 4:1
	BANK ARMORING (Approximate Location)
	WORKING FACE AREA
	TEMPORARY SOIL PILES (APPROX. LOCATIONS)

NOTES

- The four Phases shown on this map are the operations areas for the mining and reclamation activities that constitute the development of this property as a series of water storage reservoirs.
- Activities within each Phase will include, but is not limited to, mining of sand and gravel, construction of reservoir liners, grading, resoiling and revegetation of the above-water perimeter areas of said reservoirs.
- The Plant Site shown in the Phase 4 will be used throughout the life of the mine and activities may include, but are not limited to, processing the sand and gravel (crushing, washing and screening); crushing and recycling of concrete and asphalt materials; batching of ready-mixed concrete; batching of hot-mix asphalt; stockpiling of raw and finished products, and sales of said materials.
- The Plant Site shall include the necessary portable processing plants and equipment to conduct the activities listed above. For the sand and gravel processing, and the concrete and asphalt recycling, the processing equipment shall include, but is not limited to, crushers, screens, conveyors, stackers, feeders, log-washers, and other necessary processing equipment. For ready-mixed concrete, and hot-mix asphalt, a portable concrete batch plant and a portable asphalt batch plant may be installed and used for the life of the mine.
- The conveyor crossing envelopes shown on this map are the approved proposed crossings in the Town of Platteville PDP agreement. The conveyor design and final locations will be approved prior to construction of the conveyors.
- The approximate locations of (2) Conveyor Crossing Envelopes are shown hereon. The exact location and size of the crossing areas will be determined prior to installation. A Technical Revision will be filed showing the exact location if different from shown on the Map Exhibit C-1 Mining Plan Map. These crossings will be used, when approved by the Town of Platteville, to build overhead portable conveyor facilities to transport raw material from the north side of County Road 32.5 to the processing plant. Using over-the-road conveyors would greatly reduce heavy off-road truck traffic that would cross the paved road. Conveyor facilities will be removed when reclamation is complete.
- The reservoirs will have gravel access roads around the perimeters of each reservoir and the rest of the perimeter area will be revegetated with a state-approved seed mix.
- Access points for each Phase are shown on this map. The accesses to the Phases will be used to move equipment, needed during mining and reclamation, from one area to the other. The access point into the Plant Site from County Road 21 will be used by customers' over-the-road trucks to transport finished materials to market.
- Each Phase may continue to be used for agricultural purposes until the permitted mining operations begin in the area.
- The FEMA Flood Plain (Zone A) shown hereon is approximate and represents the best information available at the time this document was created and is subject to change.
- The four mining Phases shown hereon may change as mining and reclamation progresses, depending on future Oil and Gas activities at the site.
- Working faces shown on the map are located at points where they will be the longest in each Phase. Volume shown is based on average depth of the Phase.
- The approximate access points for each Phase are shown hereon. These accesses will be used to move equipment, and access each Phase during mining, development and maintenance of each Phase.
- The unmined areas shown hereon may be used during mining and reclamation for placement of soil stockpiles, staging areas and as setbacks. If disturbed, they will be reseeded.
- The settling and fresh water ponds shown in Phase 1 will be used for cleaning process water from the plant. Location may change to the reservoir floor once that area is mined.
- In Phase 2 along the river, mining will occur within 300 feet of the top of bank and backfilled with on-site material so there is a 300 foot wide setback. No more than 500 feet of backfill area will be open at any one-time.



Map Exhibit C-1 - MINING PLAN MAP

PREPARED BY: **ENVIRONMENT, INC.**
7985 VANCE DR., # 205A
ARVADA, CO 80003
(303) 423-1237
environment-inc@startmail.com

LEGAL DESCRIPTION
Parts of the SE $\frac{1}{4}$ NE $\frac{1}{4}$, SW $\frac{1}{4}$ NE $\frac{1}{4}$, NW $\frac{1}{4}$ NE $\frac{1}{4}$, NE $\frac{1}{4}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ SE $\frac{1}{4}$, NW $\frac{1}{4}$ SW $\frac{1}{4}$, NE $\frac{1}{4}$ NW $\frac{1}{4}$, and NW $\frac{1}{4}$ NW $\frac{1}{4}$, and all of the W $\frac{1}{2}$ SE $\frac{1}{4}$, NW $\frac{1}{2}$ SE $\frac{1}{4}$, NE $\frac{1}{2}$ SW $\frac{1}{4}$, S $\frac{1}{2}$ SW $\frac{1}{4}$, and S $\frac{1}{2}$ NW $\frac{1}{4}$ of Section 14, Township 3 North, Range 67 West, 6th P.M., Weld County, Colorado, EXCEPT County Roads 21 & 32 $\frac{1}{2}$, containing 472.40 ac. $\pm$
Mine Entrance: 40°13'25.1536"N, 104°52'02.8563"W WGS84

REVISIONS:	DATE:
ORIGINAL PERMIT	11/18/2022
ADEQUACY 02 REVISIONS	7/06/2023
AFFECTED LANDS SURVEY ADDED	11/28/2023
TR TO MODIFY PHASE 1 EAST LINE	2/25/2025

APPLICATION FOR A 112 PERMIT WEST FARM RESERVOIRS M-2022-048



L.G. Everist, Inc.
7321 East 88th Avenue | Henderson, Colorado 80640
phone: (303) 287-4656 | fax: (303) 289-1348

DATE:	FILE NAME:	SCALE:	DRAWN BY:	CHECKED BY:	SHEET
11/10/2022	DRWS C-1-MAP.DWG	1"=300'	ENW/SLO	LGE/LMS	2 OF 4

LEGEND

PERMIT BOUNDARY/AFFECTED LANDS

200 FOOT LIMIT

COMMUNICATION LINES

OVERHEAD POWER LINES

FENCE

WATER LINE

IRRIGATION LINES

FIBER OPTIC LINES

GAS LINES

DIRT ROADS

PAVED ROADS (OFFSITE)

MINING AREA ENTRANCES

TOPO CONTOUR

STREAM

DITCH

FP FLOOD PLAIN

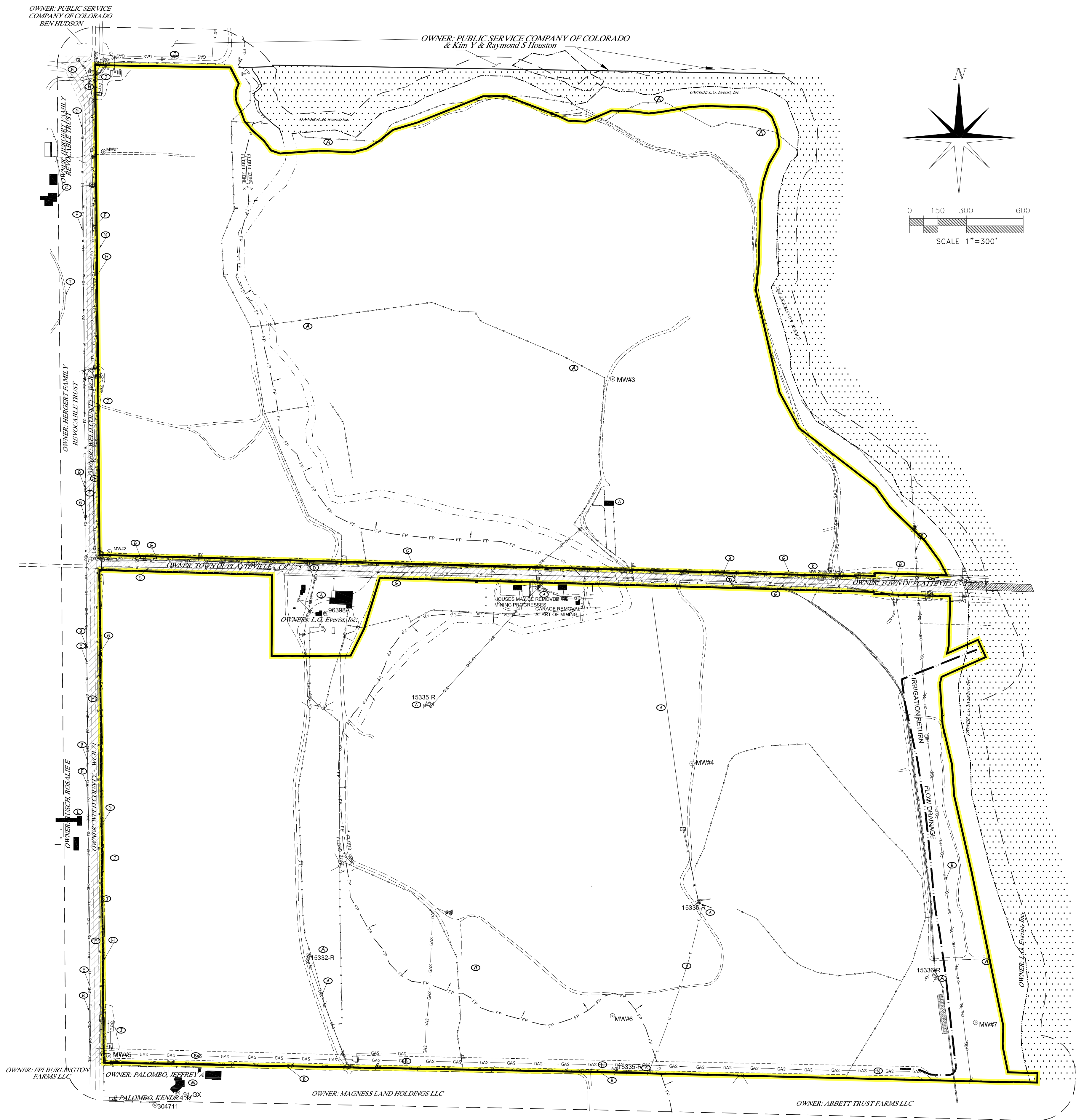
FP FEMA FLOOD PLANE LINE

BUILDINGS

MW-6 MONITORING WELL

15331-R WATER WELL

ROAD CORRIDORS



Phase	Key	Owner	Structure(s)	Status for mining	ROW width (FT)	SW setback (FT)	Digline setback (FT)	Notes
2 & 3 (North)	25	L.G. Everist, Incorporated	outbuilding, corrals, electric line, 1 general purpose water well, fenced, granular gravel	Removes if in mining area	NA	NA	NA	
	26	Ben R. Houston	none	undisturbed				
	27	Xcel Energy (a Public Service Co of CO - PSCs is subsidiary of Raymond & Kim Houston	Powerlines, E, S & W	undisturbed, Removed if used for irrigation in mining area	none listed	25	40	from line (in water line ROW 32.5) & W side of WCR 21
	28	Hergert Family Revocable Trust	Houses, Barn 3-strand wire fence	undisturbed	<200			West of WCR 21
	29	Town of Platteville	WCR 33.5	undisturbed	60	35	60	setback controlled by utility lines north and south
	30	Century Link (a new Lumen Technologies, Inc.)	2-fiber optic lines / phone	undisturbed	none	25	40	from line (in water line ROW 32.5) & W side of WCR 21
	31	Western Mutual British Company	Diversification structure in river	undisturbed	<200			80+ ft, north of property line in river
	32	Wild County	WCR 21	undisturbed	30	35	60	setback controlled by gas & utility lines east side
	33	Central Weld County Water District	water lines	undisturbed	19.99	15	30	from ROW line
	34	Duke Energy Field Services, Inc. (aka DCF Midstream)	Natural gas line	undisturbed	none listed	25	40	from gas line
1 & 4 (South)	35	Associated Natural Gas, Inc. (aka Associated Eastern Pipeline)	Natural gas line	undisturbed	UNK	15	30	off gasline (WCR 21 ROW along east side)
	36	Beeman Drish (Beeman Irrigation Drish & Milling Co. (c/o Mirch Farms Inc. (c/o Mirch, Inc.))	Irrigation canal, head gates and outlets	undisturbed	<125	204	229	West of WCR 21
	37	Metro Wastewater Reclamation District	manhole/well	undisturbed		40	60	in Sewer ROW N side of 32.5 (Permit # 264638)
	38	L.G. Everist, Incorporated	3- houses, 3-outbuildings, corrals, electric lines, 5-general purpose wells (4- no meters), 1- residential, fences, granular gravel	Removes if in mining area	NA	NA	NA	
	39	Russell E. Ruch	Houses, 3 - outbuildings, wood corral	undisturbed	<100	157	172	West of WCR 21
	40	PFE Burlington Farms LLC	none	undisturbed				
	41	Jeffrey & Kandra Palomba	Haus, garage, equipment building, swimming pool, wood fences, water well, Geothermal well.	undisturbed		15	40	From PL Buildings +75'
	42	Magness Land Holdings LLC	none	undisturbed				
	43	Abbott Trust Farms LLC	none	undisturbed				West of WCR 21
	44	Wild County	WCR 21	undisturbed	<30	35	60	setback controlled by gas & utility lines east side
	45	Central Weld County Water District	2-water lines	undisturbed	19.99	15	30	off 32.5 ROW on water line which ever is greater
	46	Associated Natural Gas, Inc. (aka Associated Eastern Pipeline)	Natural gas line	undisturbed	50	15	30	off ROW along South line
	47	Duke Energy Field Services, Inc. (aka DCF Midstream)	natural gas line	undisturbed	unk	25	40	From gasline on WCR21 outside
	48	Century Link (a new Lumen Technologies, Inc.)	underground telephone line	undisturbed	123	128		West of WCR 21
	49	Xcel Energy (a Public Service Co of CO - PSCs is subsidiary of Xcel)	Powerlines & equipment W & S	undisturbed	UNK	25	40	From Power line & west side of WCR 21
	50							
	51							
	52							
	53							
	54							

PREPARED BY: **ENVIRONMENT, INC.**

 7985 VANCE DR., 205A

 ARVADA, CO 80003

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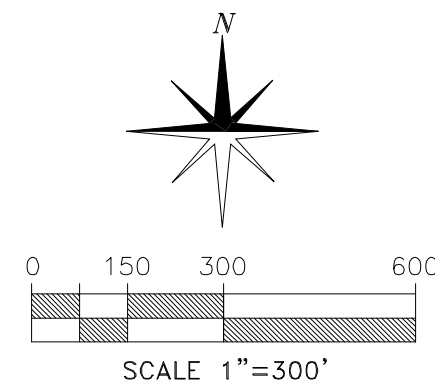
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- SLURRY WALL LINER
- UNDERDRAIN
- ROADS (OFFSITE)
- ROADS (HAUL, ACCESS) (TYP.)
- TOPO CONTOUR
- RIVER
- DITCH
- FLOOD PLAIN
- BANK ARMORING (Approximate Location)
- BUILDINGS
- OIL/GAS WELL
- PUBLIC ROAD RIGHT OF WAY
- WATER LEVEL (ESTIMATED)



Map Exhibit F - RECLAMATION PLAN MAP

PREPARED BY: ENVIRONMENT, INC.
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LGE/LMS	11/10/2022	DRMS_F-MAP	4 OF 4