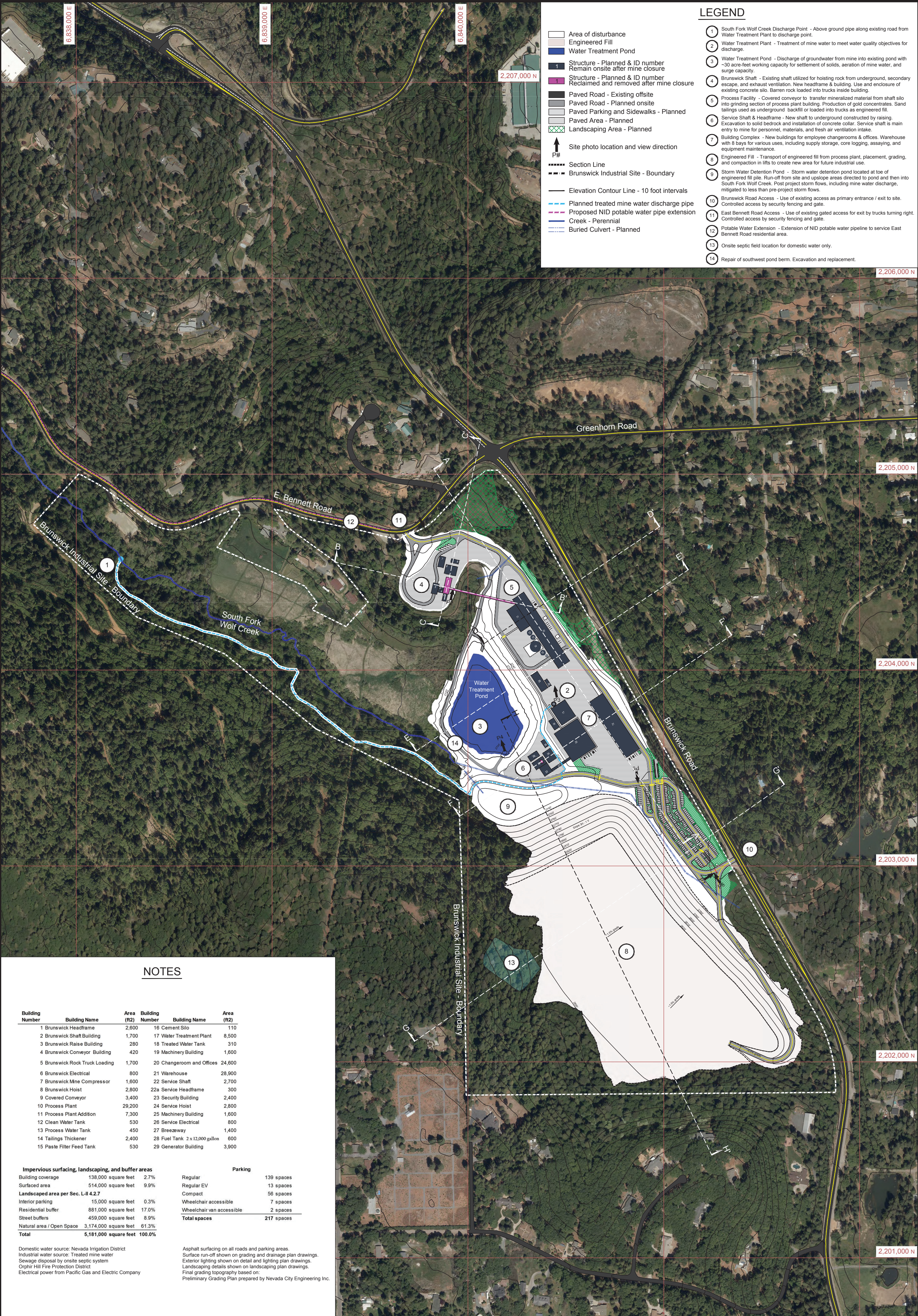




LEGEND

- 1 South Fork Wolf Creek Discharge Point - Above ground pipe along existing road from Water Treatment Plant to discharge point.
- 2 Water Treatment Plant - Treatment of mine water to meet water quality objectives for discharge.
- 3 Water Treatment Pond - Discharge of groundwater from mine into existing pond with ~30 acre-feet working capacity for settlement of solids, aeration of mine water, and surge capacity.
- 4 Brunswick Shaft - Existing shaft utilized for hoisting rock from underground, secondary escape, and exhaust ventilation. New headframe & building. Uses and enclosure of existing concrete silo. Barren rock loaded into trucks inside building.
- 5 Process Facility - Covered conveyor to transfer mineralized material from shaft silo into grinding section of process plant building. Production of gold concentrates. Sand tailings used as underground backfill or loaded into trucks as engineered fill.
- 6 Service Shaft & Headframe - New shaft to underground constructed by raising. Excavation to solid bedrock and installation of concrete collar. Service shaft is main entry to mine for personnel, materials, and fresh air ventilation intake.
- 7 Building Complex - New buildings for employee changerooms & offices. Warehouse with 8 bays for various uses, including supply storage, core logging, assaying, and equipment maintenance.
- 8 Engineered Fill - Transport of engineered fill from process plant, placement, grading, and compaction in lifts to create new area for future industrial use.
- 9 Storm Water Detention Pond - Storm water detention pond located at toe of engineered fill pile. Run-off from site and upslope areas directed to pond and then into South Fork Wolf Creek. Post project storm flows, including mine water discharge, mitigated to less than pre-project storm flows.
- 10 Brunswick Road Access - Use of existing access as primary entrance / exit to site. Controlled access by security fencing and gate.
- 11 East Bennett Road Access - Use of existing gated access for exit by trucks turning right. Controlled access by security fencing and gate.
- 12 Potable Water Extension - Extension of NID potable water pipeline to service East Bennett Road residential area.
- 13 Onsite septic field location for domestic water only.
- 14 Repair of southwest pond berm. Excavation and replacement.

NOTES

Building Number	Building Name	Area (ft2)	Building Number	Building Name	Area (ft2)
1	Brunswick Headframe	2,600	16	Cement Silo	110
2	Brunswick Shaft Building	1,700	17	Water Treatment Plant	8,500
3	Brunswick Raise Building	280	18	Treated Water Tank	310
4	Brunswick Conveyor Building	420	19	Machinery Building	1,600
5	Brunswick Rock Truck Loading	1,700	20	Changeroom and Offices	24,600
6	Brunswick Electrical	800	21	Warehouse	28,900
7	Brunswick Mine Compressor	1,600	22	Service Shaft	2,700
8	Brunswick Hoist	2,800	22a	Service Headframe	300
9	Covered Conveyor	3,400	23	Security Building	2,400
10	Process Plant	29,200	24	Service Hoist	2,800
11	Process Plant Addition	7,300	25	Machinery Building	1,600
12	Clean Water Tank	530	26	Service Electrical	800
13	Process Water Tank	450	27	Breezeway	1,400
14	Tailings Thickener	2,400	28	Fuel Tank 2 x 12,000 gallon	600
15	Paste Filter Feed Tank	530	29	Generator Building	3,900

Impervious surfacing, landscaping, and buffer areas	
Building coverage	138,000 square feet 2.7%
Surfaced area	514,000 square feet 9.9%
Landscaped area per Sec. L-II 4.2.7	
Interior parking	15,000 square feet 0.3%
Residential buffer	881,000 square feet 17.0%
Street buffers	459,000 square feet 8.9%
Natural area / Open Space	3,174,000 square feet 61.3%
Total	5,181,000 square feet 100.0%

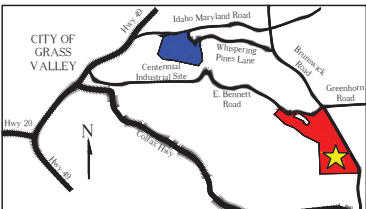
Parking	
Regular	139 spaces
Regular EV	13 spaces
Compact	56 spaces
Wheelchair accessible	7 spaces
Wheelchair van accessible	2 spaces
Total spaces	217 spaces

Domestic water source: Nevada Irrigation District
Industrial water source: Treated mine water
Sewage disposal by onsite septic system
Orphir Hill Fire Protection District
Electrical power from Pacific Gas and Electric Company

Asphalt surfacing on all roads and parking areas.
Surface run-off shown on grading and drainage plan drawings.
Exterior lighting shown on detail and lighting plan drawings.
Landscaping details shown on landscaping plan drawings.
Final grading topography based on:
Preliminary Grading Plan prepared by Nevada City Engineering Inc.



Idaho-Maryland Mine Project
Rise Grass Valley Inc.
PO Box 271
Grass Valley, California, USA 95945



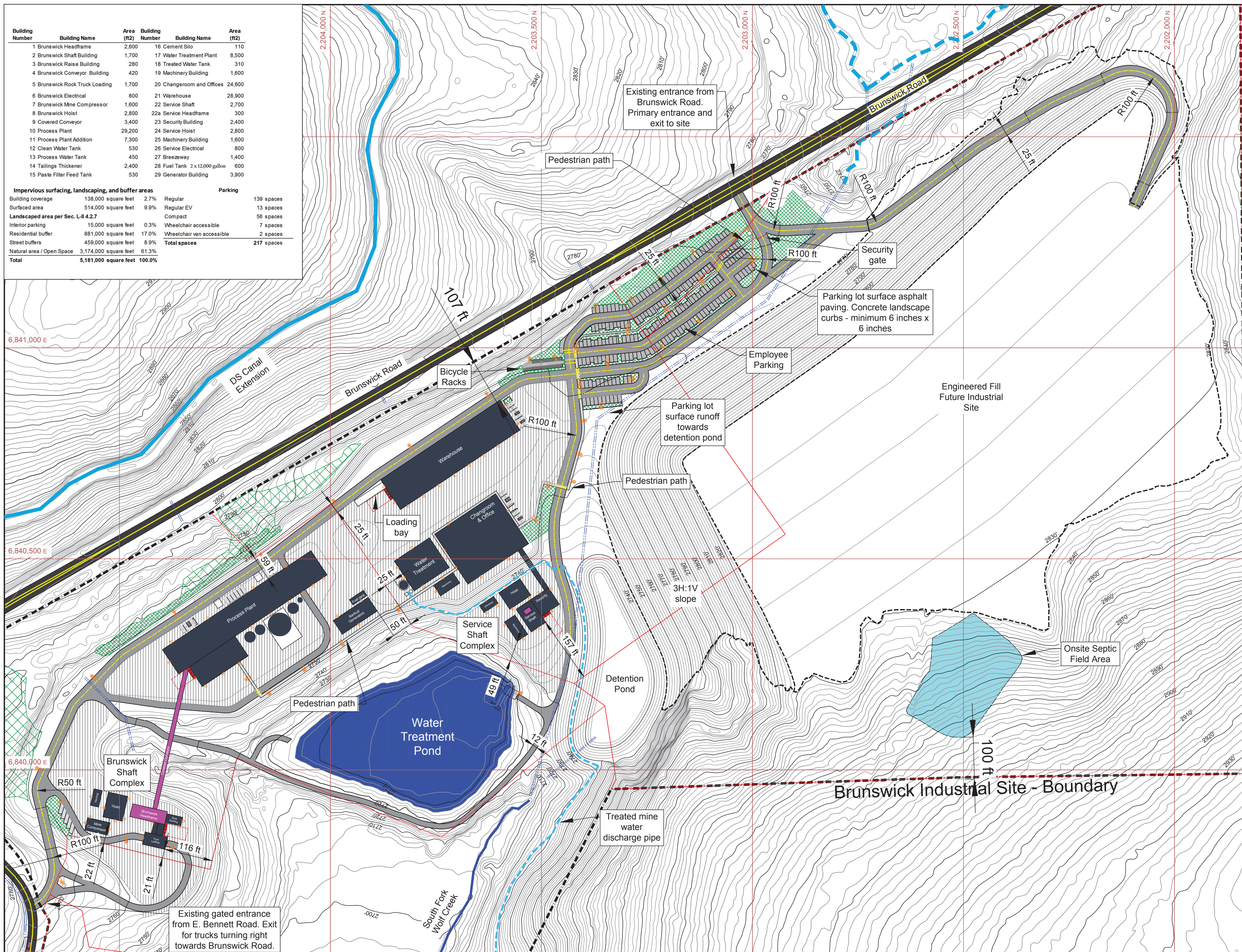
Brunswick Industrial Site
Nevada County, SEC. 31, T.16N, R.9E., M.D.M
Total Area = 118.93 Acres
Assessor Parcel Numbers:
09-630-37, 09-630-39, 09-441-03, 09-441-04,
09-441-05, 09-441-34
Current Zoning M1-SP / Proposed Zoning M1-ME



Lidar & Airphotos by Aero Geomatics with survey control by Nevada City Engineering May 7th 2018. Grass Valley, CA. Horizontal Datum: NAD83 (2011). Vertical Datum: GEOID 12B, NAVD 88 Projection: California State Plane Zone 2, Combined Scale Factor: 0.9979891

B101 Brunswick Industrial Site Plan
R1 Infrastructure
Infrastructure, area of disturbance, and surrounding area with current air photo

Drawn by : Rise Grass Valley - Feb 29, 2024 Scale : 1" = 200 feet



Building Number	Building Name	Area (ft2)	Building Number	Building Name	Area (ft2)
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Street buffers	459,000 square feet	8.9%	Total spaces	217 spaces
Natural area / Open Space	3,174,000 square feet	61.3%		
Total	5,181,000 square feet	100.0%		

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Brunswick Industrial Site
Nevada County
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Current Zoning M1-SP
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LEGEND

- Water Treatment Pond
- Structure - Planned
- Structure - Planned - removed at mine closure
- Paved Road - Existing offsite
- Paved Road - Planned onsite
- Paved Parking and Sidewalks - Planned
- Paved Area - Planned
- Landscaping Area - Planned
- Exterior light locations - Planned
- Trash Enclosure (4yd) & 50 ft approach - Planned

----- Section Line
- - - Brunswick Industrial Site - Boundary
- Parcel Boundaries after Lot Line Adjustment
- Elevation Contour Line - 2 foot intervals
- Elevation Contour Line - 10 foot intervals
- - - Proposed treated mine water discharge pipe
- - - Creek - Perennial
- - - NID Canal
- - - NID Spillway
- - - Culvert Planned & Abutting

Domestic water source: Nevada Irrigation District
Industrial water source: Treated mine water (groundwater)
Sewage disposal by onsite septic system
Orphan Hill Fire Protection District
Electrical power from Pacific Gas and Electric Company
Asphalt surfacing on all roads and parking areas.
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Lidar & Airphotos by Aero Geometrics with survey control by Nevada City Engineering May 7th 2018. Grass Valley, CA. Horizontal Datum: NAD83 (2011). Vertical Datum: GEOID 118. NAVD 88 Projection: California State Plane Zone 2, Combined Scale Factor: 0.9979891

Drawing B103
Brunswick
Industrial Site Plan
Infrastructure Details
Buildings, parking, pathways,
landscaping, and lighting
Revision 3

Drawn by : Rise Grass Valley
Feb 29th / 21