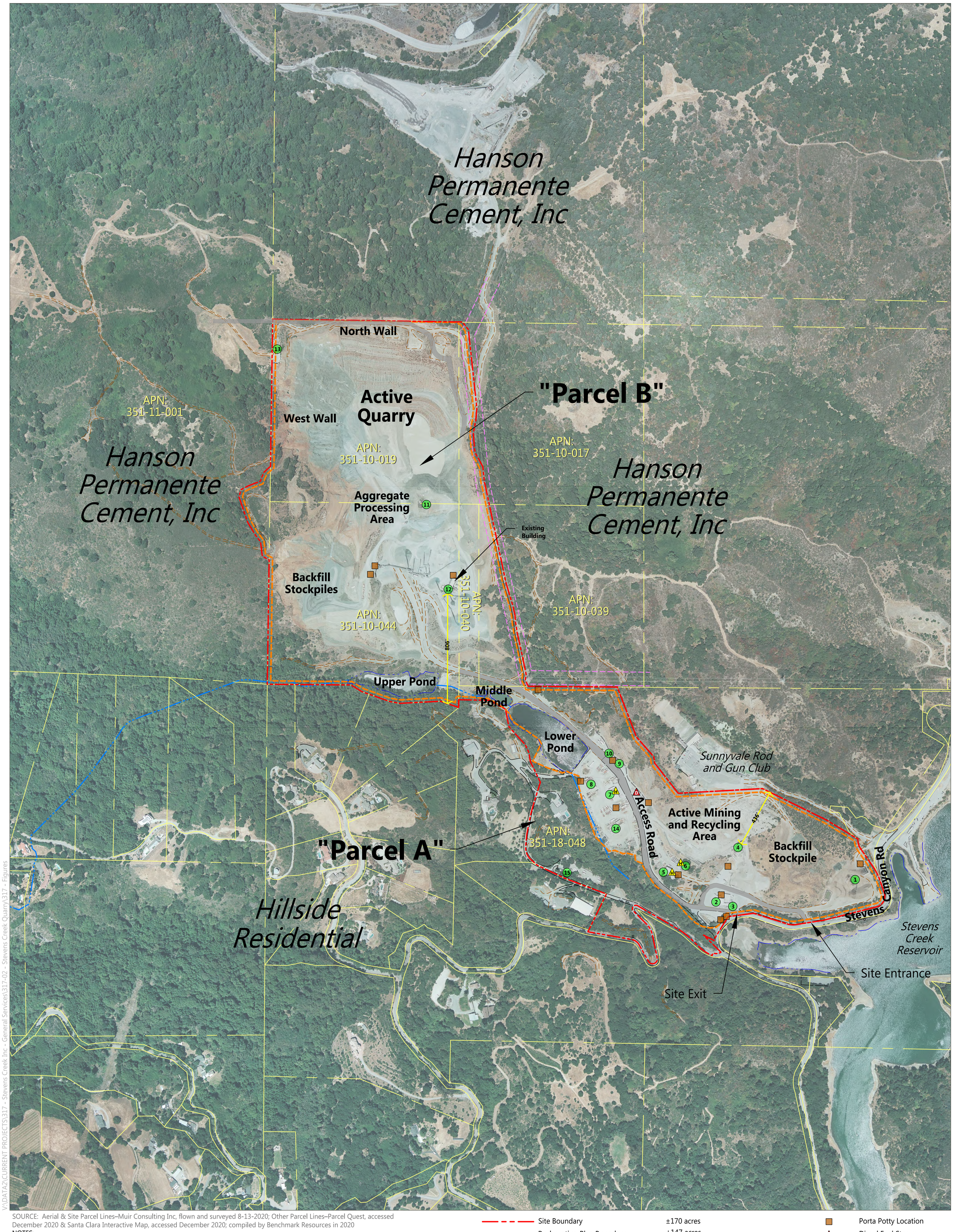
SHEETS



V:\DATA2\CURRENT PROJECTS\317 - Stevens Creek Inc - General Services\317-02 - Stevens Creek Quarry\317 - Figures

SOURCE: Aerial & Site Parcel Lines–Muir Consulting Inc, flown and surveyed 8-13-2020; Other Parcel Lines–Parcel Quest, accessed December 2020 & Santa Clara Interactive Map, accessed December 2020; compiled by Benchmark Resources in 2020

NOTES:

1. Parcel boundaries, orthophotography and topographic survey data prepared by Muir Consulting, Inc. Aerial survey date: 6-18-2020.
2. See Appendix D for stamped and signed Professional Land Surveyor stamped drawings.

- Site Boundary ±170 acres
- Reclamation Plan Boundary ±147 acres
- APN: 351-18-048 — Parcel Line & Assessor's Parcel Number
- 100-foot Power Line Easement
- 1 — Existing Building/Mining Equipment/Other Facilities (See list below for for callouts shown)

1. Top Soil Plan
2. Main Office
3. Lower Scale House
4. Recycle Plant
5. Tractor Shop (To Be Removed)
6. Tractor Shop Office (To Be Removed)
7. Truck Shop
8. Maintenance Shop (To Be Removed)
9. Upper Scale
10. Maintenance Shop Office (To Be Removed)
11. Rock Plant
12. Sand Plant
13. Radio Tower (To Be Removed)
14. Equipment Storage
15. BSI Shop (To Be Removed)

- Porta Potty Location
- D — Diesel Fuel Storage
- H — Hazardess Material Storage
- 806' — Distance from Loading Point to nearest Parcel Line
- Dirt Road
- Asphalt Road
- Access Road
- Water Border
- Swiss Creek
- A – A' — Cross Section

BENCHMARK RESOURCES

N

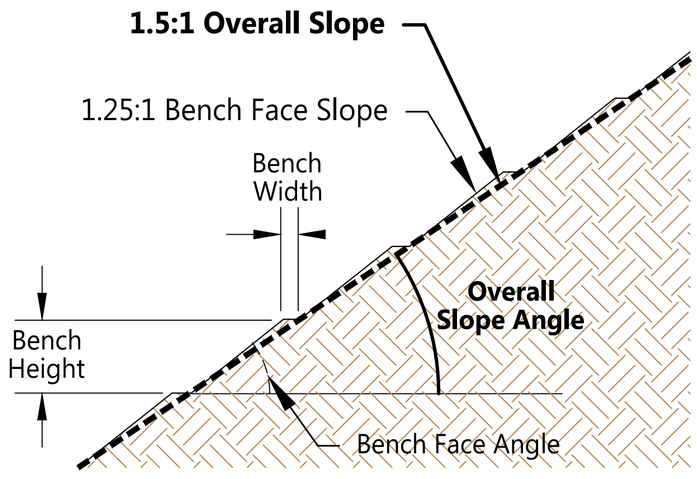
0 150 300 600 1,200

Existing Conditions Aerial Photograph

STEVENS CREEK QUARRY
USE PERMIT & RECLAMATION PLAN AMENDMENT
Sheet 1

TYPICAL CUT BENCH

(Not to Scale)



Bench Height	= 50'
Bench Width	= 10' to 15'
Overall Angle	= 34°
Bench Face Angle	= 38°

Offsite Haul Route (See Note #5)

Tie-in to Existing Ramp

Floor Elevation 660' msl

Ramp

Floor Elevation 550' msl

Ramp

Pond Water Elevation: 636' msl

Pond Bottom Elevation: 616' msl

Site Exit

Site Entrance

SOURCE: Topography–Muir Consulting, Inc., flown 6-18-2020; mine plan compiled by Benchmark Resources in 2020

NOTES:

1. Contour intervals: 5'-minor; 25'-major. Elevations shown in mean sea level (msl).
2. Slope angles indicated are overall; see "Typical Cut Slope" for details.
3. Top of cut slopes planned at 25' from Parcel Boundary, but would meet County requirements as specified in Sec. C12-558 of the Design Standards
4. Active slopes may be steeper and have different bench intervals than final reclaimed cut slopes.
5. Planned Mine Cut Slopes: 1.5h:1v.
6. Planned East Wall Cut Slope: 1h:1v.
7. Haul Road Ramp Slope: 10% to 15%. Ramps, access roads, and primary travel routes may vary in location and size throughout operations progression.
8. Off-site "Permanente Rock Plant Haul Road" per Permanente Quarry Amended Reclamation Plan, May 2019.
9. See Sheet 3 for cross sections.
10. Mine and reclamation design based on topography prepared by Muir Consulting, Inc. Aerial survey date: 6-18-2020. See Appendix D for Professional Land Surveyor stamped drawings.
11. Stormwater pond capacity: Approximately 3.9 acre-feet
12. Mine Plan Reserves: 12.4 million tons.
13. The planned reclamation boundary and mining depth are shown; however, the extent of operations may or may not reach these limits. Total acreage to be disturbed and reclaimed will be within the limits of the reclamation plan boundary. Facilities and configurations within this boundary are approximate. All acreages are approximate and not intended to reflect goals for any particular surface type. Variations are subject to actual mined conditions and will not affect success of post mining land uses.

Site Boundary	±170 acres	A–A'	Cross Section
Reclamation Plan Boundary	±147 acres		Water Border
Mine Plan Modified Below This Elevation to 550' msl			Swiss Creek
100-foot Power Line Easement			Existing Building within Site Boundary
Access Road			Existing Building outside Site Boundary
Backfill Stockpile Area	±10 acres		

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BENCHMARK RESOURCES

N

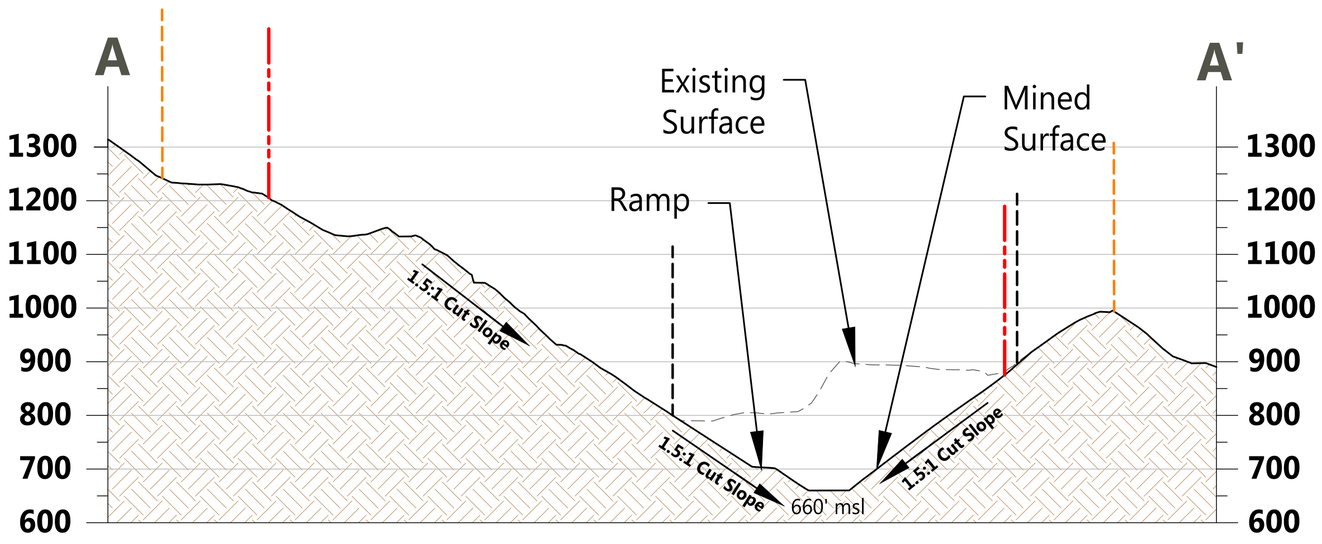
0 75 150 300 600 Feet

Mine Plan

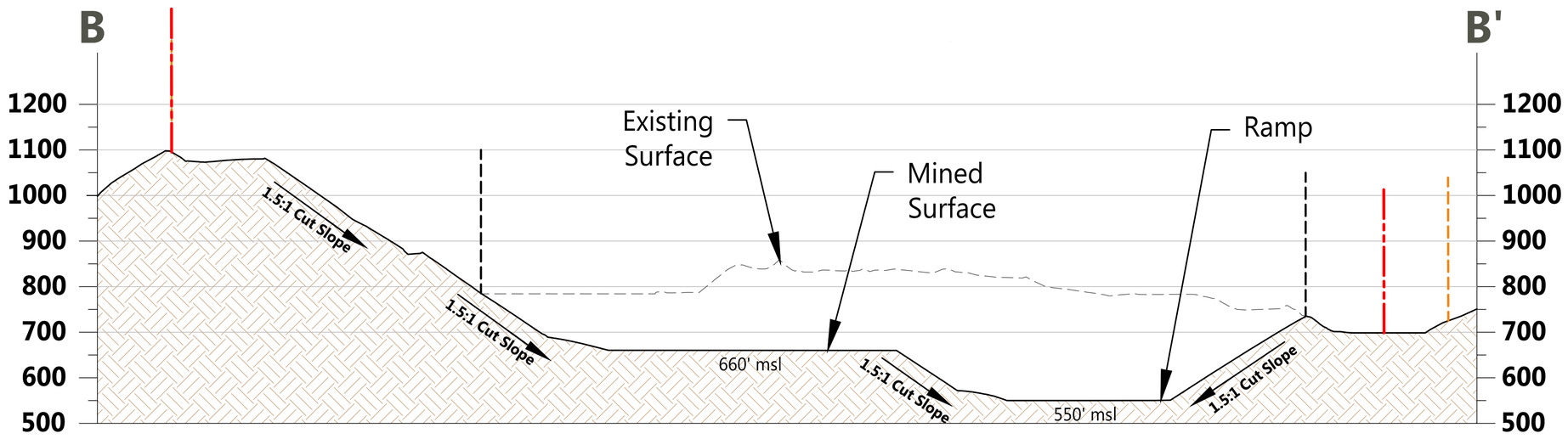
STEVENS CREEK QUARRY

USE PERMIT & RECLAMATION PLAN AMENDMENT

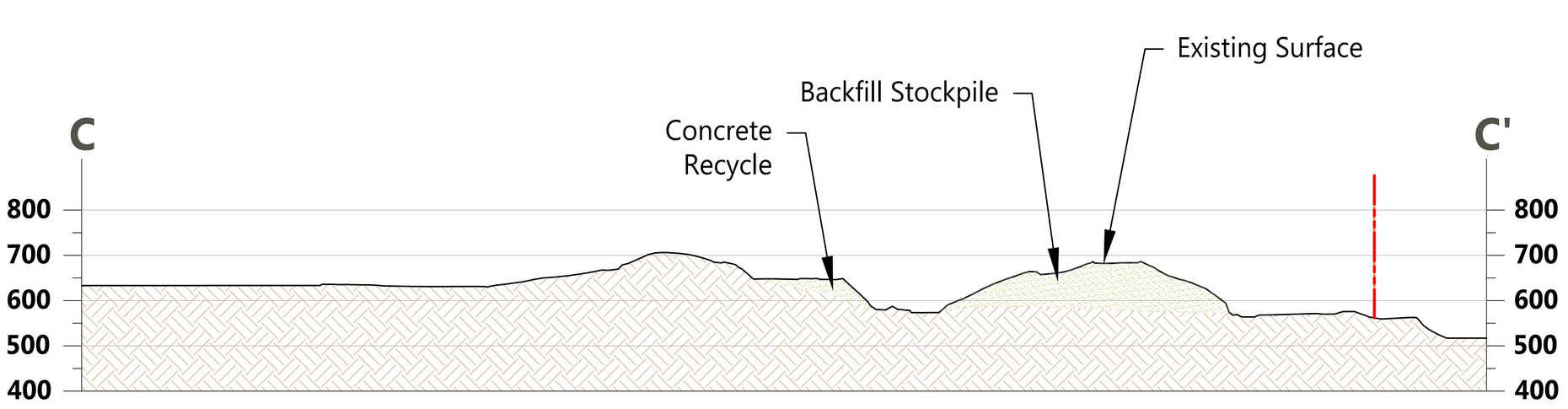
Sheet 2



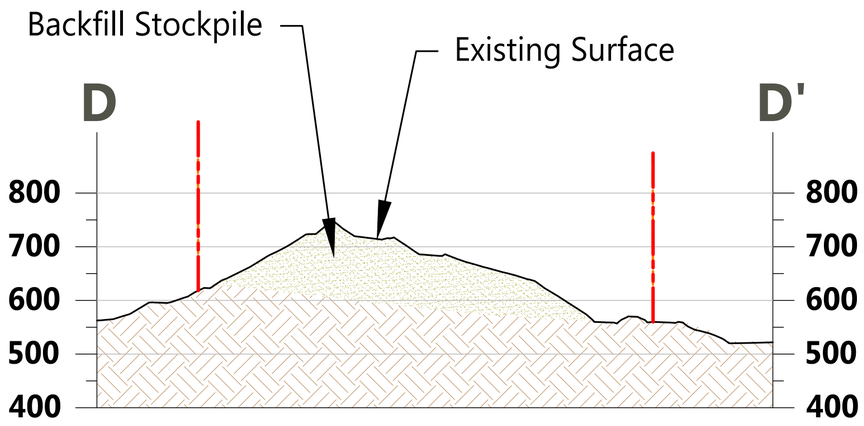
CROSS SECTION A-A'



CROSS SECTION B-B'



CROSS SECTION C-C'



CROSS SECTION D-D'

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SOURCE: Topography–Muir Consulting, Inc., flown 6-18-2020; mine plan compiled by Benchmark Resources in 2020

NOTES:

1. Slope angles indicated are overall; see "Typical Cut Slope" on Sheet 2 for details.
2. Active slopes may be steeper and have different bench intervals than final reclaimed cut slopes.
3. Planned Mine Cut Slopes: 1.5h:1v.
4. Planned East Wall Cut Slope: 1h:1v.
5. Haul Road Ramp Slope: 10% to 15%. Ramps, access roads, and primary travel routes may vary in location and size throughout operations progression.
6. East Wall Slope: 1h:1v overall cut slope angle.
7. "msl" = mean sea level.
8. See Sheet 2 for cross section locations shown.
11. Mine and reclamation design based on topography prepared by Muir Consulting, Inc. Aerial survey date: 6-18-2020. See Appendix D for Professional Land Surveyor stamped drawings.
12. Mine Plan Reserves: 12.4 million tons.
13. The planned reclamation boundary and mining depth are shown; however, the extent of operations may or may not reach these limits. Total acreage to be disturbed and reclaimed will be within the limits of the reclamation plan boundary. Facilities and configurations within this boundary are approximate. All acreages are approximate and not intended to reflect goals for any particular surface type. Variations are subject to actual mined conditions and will not affect success of post mining land uses.

Site Boundary

Reclamation Plan Boundary

BENCHMARK RESOURCES

N

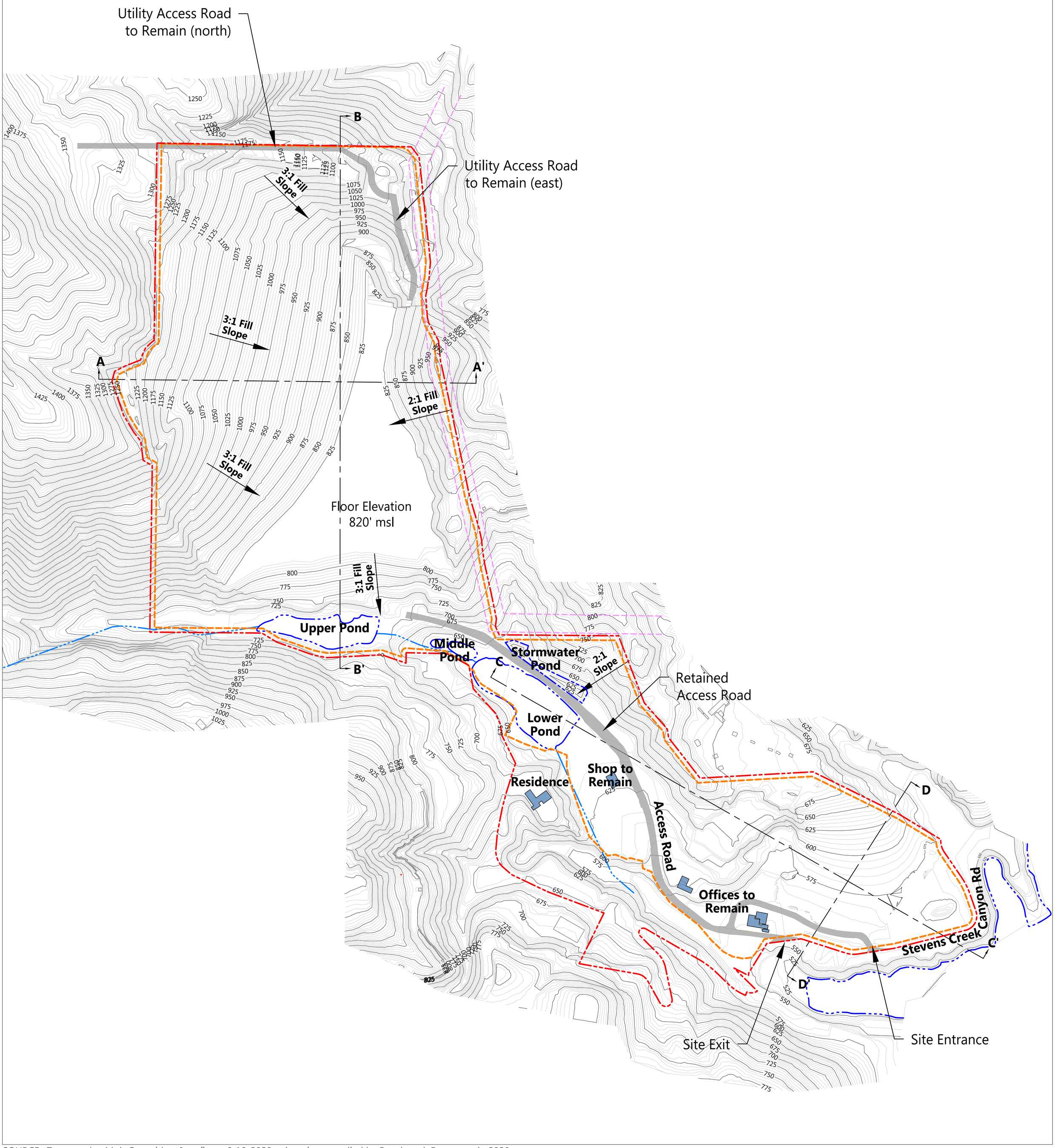
0 100 200 400 600

Mine Plan Cross Sections

STEVENS CREEK QUARRY

USE PERMIT & RECLAMATION PLAN AMENDMENT

Sheet 3



SOURCE: Topography–Muir Consulting, Inc., flown 6-18-2020; mine plan compiled by Benchmark Resources in 2020

NOTES:

1. Contour intervals: 5'-minor; 25'-major. Elevations shown in mean sea level (msl).
3. Planned Reclamation Fill Slope: 3h:1v.
4. Planned East Wall Fill Slope: 2h:1v.
5. "msl" = mean sea level.
6. See Sheet 6 for cross sections shown.
9. Mine and reclamation design based on topography prepared by Muir Consulting, Inc. Aerial survey date: 6-18-2020. See Appendix D for Professional Land Surveyor stamped drawings.
10. Stormwater pond capacity: Approximately 3.9 acre-feet
11. Fill Volume = ±11,700,00 cubic yards (CY).
12. The planned reclamation boundary and mining depth are shown; however, the extent of operations may or may not reach these limits. Total acreage to be disturbed and reclaimed will be within the limits of the reclamation plan boundary. Facilities and configurations within this boundary are approximate. All acreages are approximate and not intended to reflect goals for any particular surface type. Variations are subject to actual mined conditions and will not affect success of post mining land uses.

Site Boundary	±170 acres	A — A'	Cross Section
Reclamation Plan Boundary	±147 acres		Water Border
100-foot Power Line Easement			Swiss Creek
Access Road			Existing Building within Site Boundary
			Existing Building outside Site Boundary

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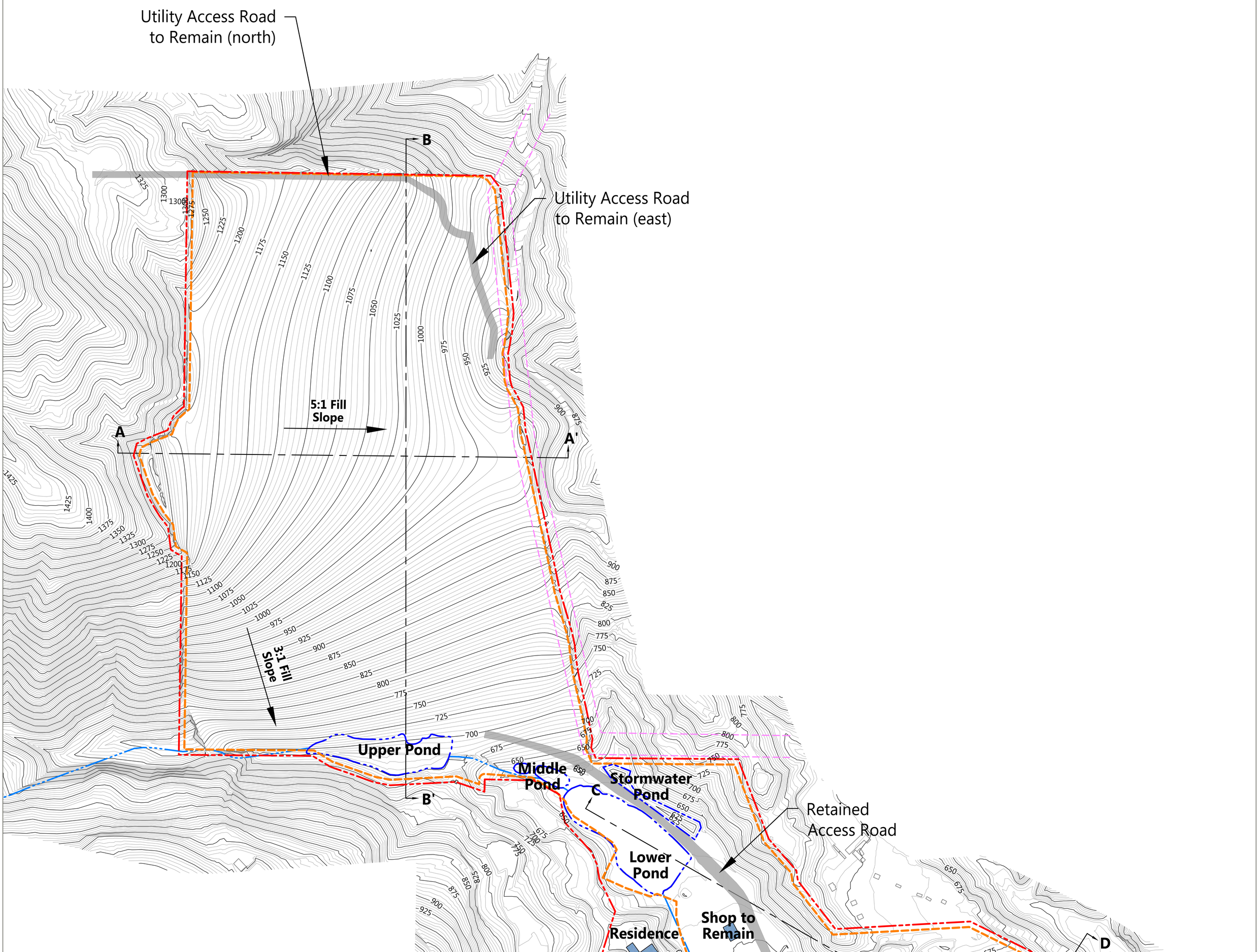
BENCHMARK RESOURCES

N

0 125 250 500 1,000 Feet

Reclamation Plan—Option A

STEVENS CREEK QUARRY
USE PERMIT & RECLAMATION PLAN AMENDMENT
Sheet 4



SOURCE: Topography–Muir Consulting, Inc., flown 6-18-2020; mine plan compiled by Benchmark Resources in 2020

NOTES:

1. Contour intervals: 5'-minor; 25'-major. Elevations shown in mean sea level (msl).
3. Planned Reclamation Fill Slope: 5h:1v.
4. "msl" = mean sea level.
5. See Sheet 6 for cross sections shown.
9. Mine and reclamation design based on topography prepared by Muir Consulting, Inc. Aerial survey date: 6-18-2020. See Appendix D for Professional Land Surveyor stamped drawings.
10. Stormwater pond capacity: Approximately 3.9 acre-feet
11. Fill Volume = ±20,500,00 cubic yards (CY).
12. The planned reclamation boundary and mining depth are shown; however, the extent of operations may or may not reach these limits. Total acreage to be disturbed and reclaimed will be within the limits of the reclamation plan boundary. Facilities and configurations within this boundary are approximate. All acreages are approximate and not intended to reflect goals for any particular surface type. Variations are subject to actual mined conditions and will not affect success of post mining land uses.

Site Boundary	±170 acres	A A'	Cross Section
Reclamation Plan Boundary	±147 acres		Water Border
100-foot Power Line Easement			Swiss Creek
Access Road			Existing Building within Site Boundary
			Existing Building outside Site Boundary

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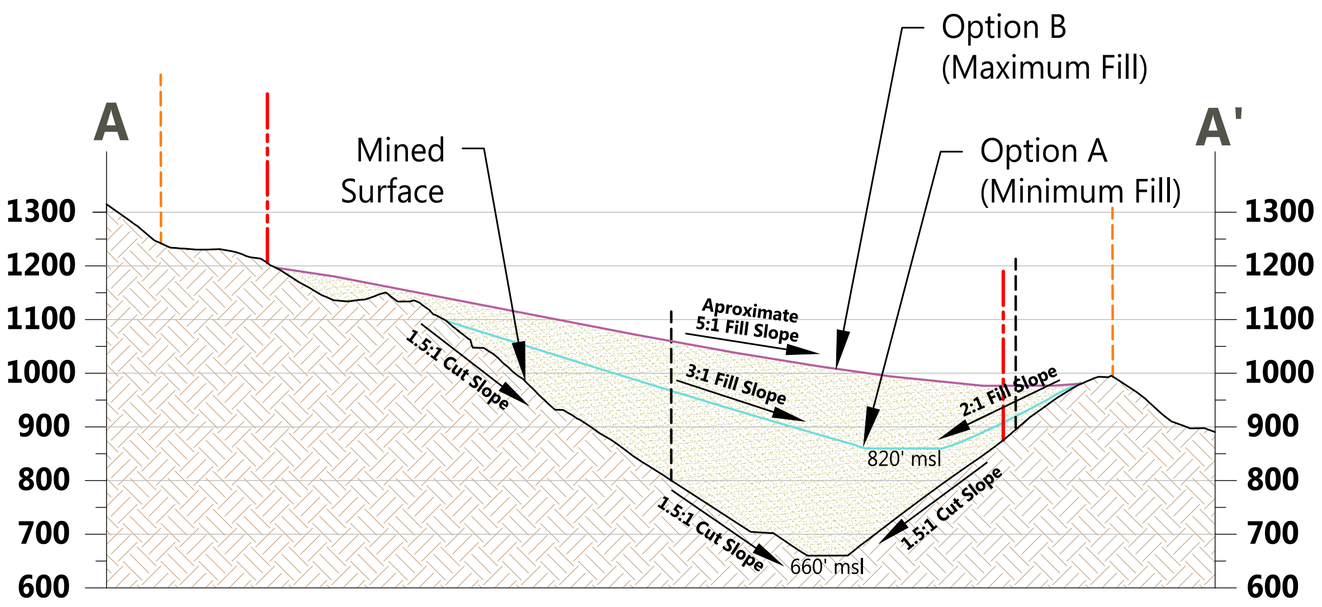
BENCHMARK RESOURCES

N

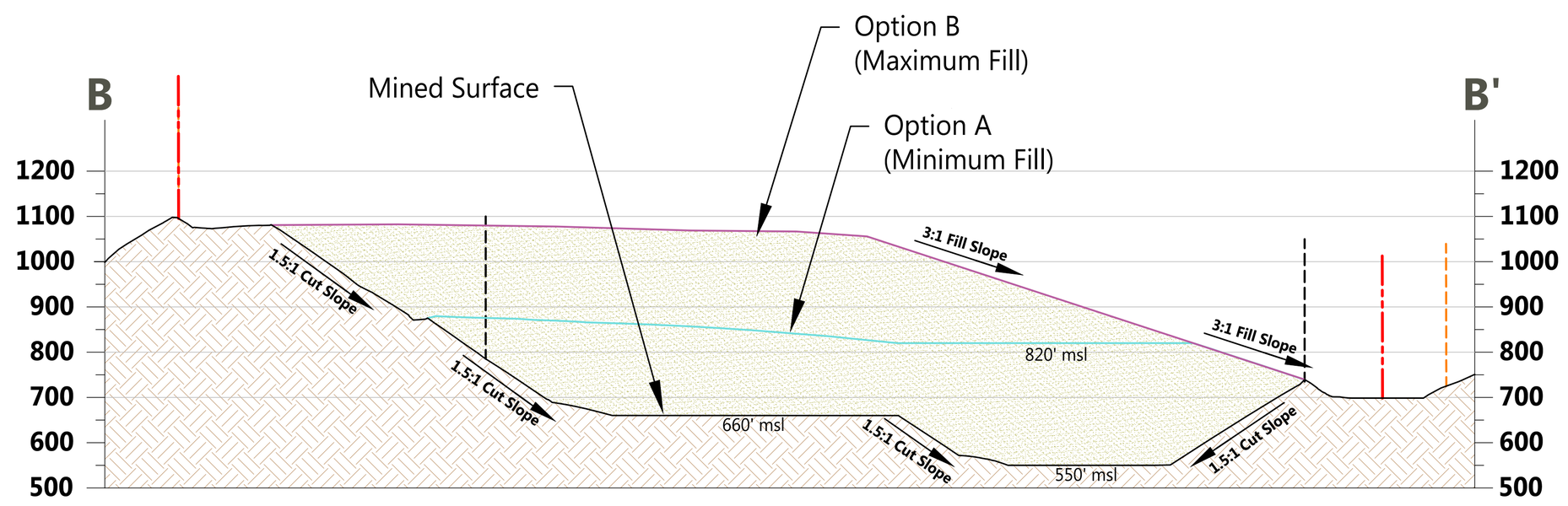
0 125 250 500 1,000 Feet

Reclamation Plan—Option B

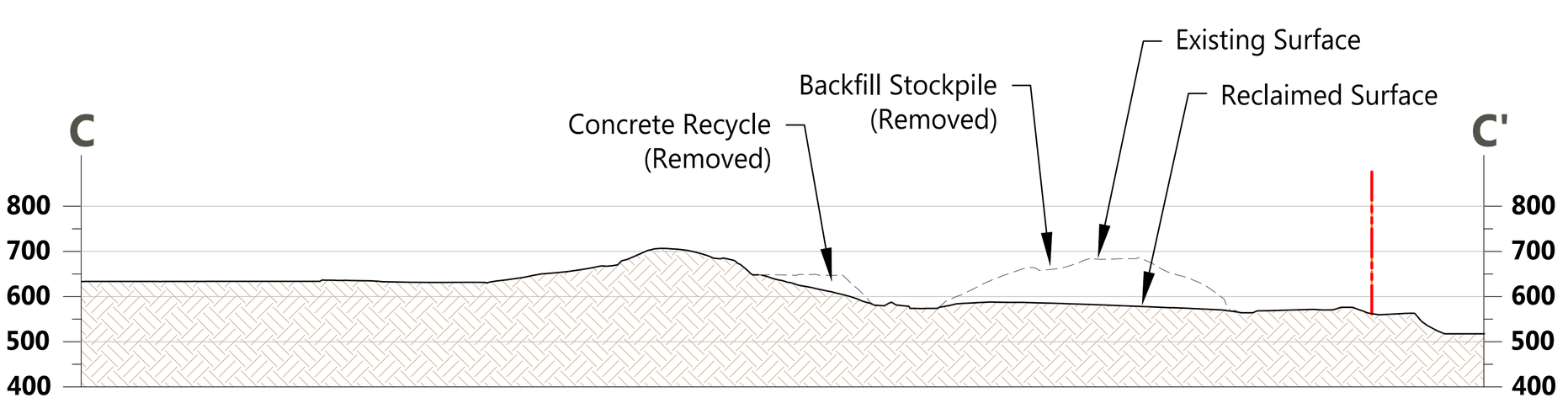
STEVENS CREEK QUARRY
USE PERMIT & RECLAMATION PLAN AMENDMENT
Sheet 5



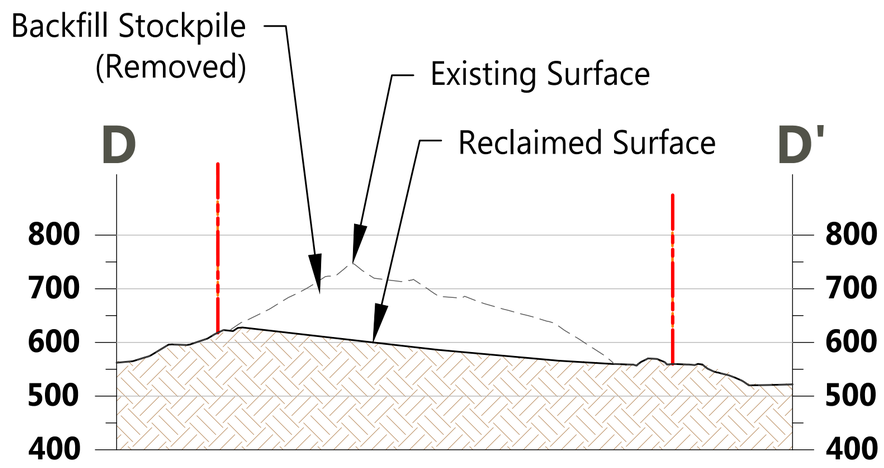
CROSS SECTION A-A'



CROSS SECTION B-B'



CROSS SECTION C-C'



CROSS SECTION D-D'

SOURCE: Topography–Muir Consulting, Inc., flown 6-18-2020; mine plan compiled by Benchmark Resources in 2020

NOTES:

1. Active slopes may be steeper and have different bench intervals than final reclaimed cut slopes.
2. "msl" = mean sea level.
3. Planned Reclamation Fill Slope: 3h:v1 (Option A), 5h:v1 (Option B).
4. See Sheets 4 and 5 for cross section locations shown.
11. Mine and reclamation design based on topography prepared by Muir Consulting, Inc. Aerial survey date: 6-18-2020. See Appendix D for Professional Land Surveyor stamped drawings.
12. Fill Volume Option A = ±11,700,000 cubic yards (CY). Fill Volume Option B = ±20,500,000 cubic yards (CY).
13. The planned reclamation boundary and mining depth are shown; however, the extent of operations may or may not reach these limits. Total acreage to be disturbed and reclaimed will be within the limits of the reclamation plan boundary. Facilities and configurations within this boundary are approximate. All acreages are approximate and not intended to reflect goals for any particular surface type. Variations are subject to actual mined conditions and will not affect success of post mining land uses.

Site Boundary

Reclamation Plan Boundary

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BENCHMARK RESOURCES

N

0 100 200 400 600

Reclamation Plan Cross Sections

STEVENS CREEK QUARRY

USE PERMIT & RECLAMATION PLAN AMENDMENT

Sheet 6