

Appendix 3 - Maps

Notes:
 Contours generated from LIDAR in 2008 and provided by Eagle County GIS Department.
 Property Lines are approximate from County GIS.

| Revisions | By | Date |
|-----------|----|------|
| | | |
| | | |
| | | |

Elam Construction, Inc.
 Coyote Pit
 Exhibit C Map C-1 Pre-Mine Site

| | | | |
|-----------------------|---------------------------------|-------------------|-----------------------|
| Permit Number: | Latitude: | Longitude: | Nearest Town: Dotsero |
| Mine Center Location: | State: Colorado | County: Eagle | Range: 88 West |
| | Section: 32 | Township: 4 South | |
| | Major Watershed: Colorado River | | |



Legend

| | |
|--------------------------|-------------------------------|
| Permit Boundary | Watershed |
| 200' Radius from Permit | Dry Drainages/Arroyos/Gullies |
| Fences | Soil Types |
| Roads | Colorado River |
| Railroad | Culvert |
| Section Lines | Pre-Mine Land Use |
| Index Topography | Grass - Pre-Mine Vegetation |
| Intermediate Topography | Existing Buildings |
| Parcel Boundaries/Owners | Irrigation Ditch |

Map Georeferencing Information: Datum: NAD27 NAD83 WGS84 None (Local)

Units: Foot Meter

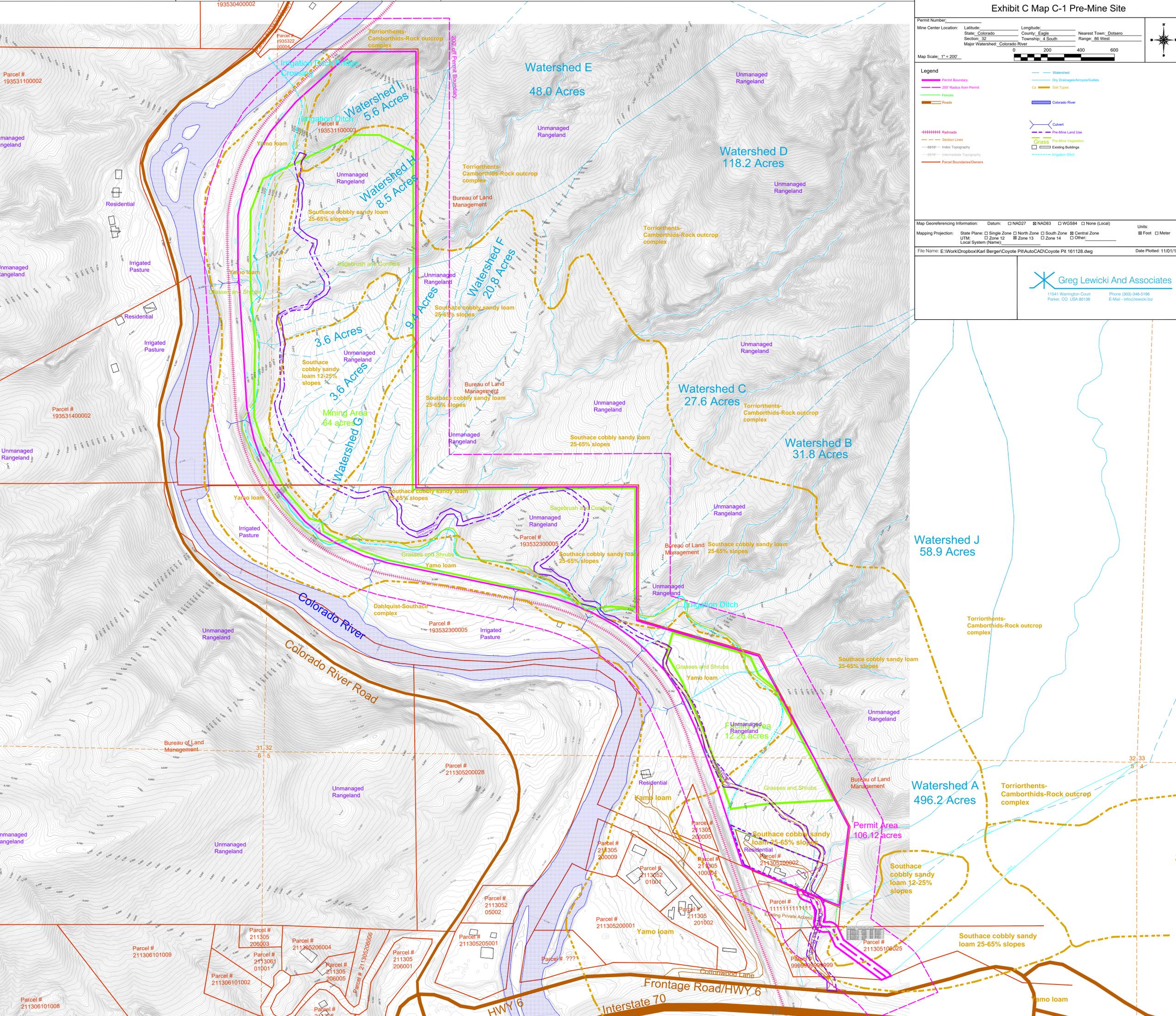
Mapping Projection: State Plane: Single Zone North Zone South Zone Central Zone

UTM: Zone 12 Zone 13 Zone 14 Other:

Local System (Name):

File Name: E:\Work\Dropbox\Karl Bergen\Coyote Pit\AutoCAD\Coyote Pit 161128.dwg Date Plotted: 11/01/16

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Notes:
Contours generated from LIDAR in 2008 and provided by Eagle County GIS Department
Map shows extent of mining in all 3 pits with berm left in place. See Map C-26 for berm fully removed.

| | | | |
|--------------|------------|-----|-------|
| Designed: GL | Revisions: | By: | Date: |
| Drawn: GL | | | |
| Checked: GL | | | |
| Approved: GL | | | |

Elam Construction, Inc.
Coyote Gravel Pit
Exhibit C Map 2A:
Phase 1 Mining with Visual Berm

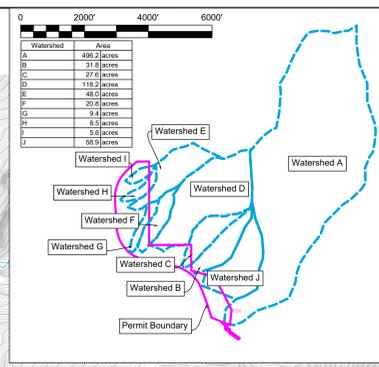
Permit Number: _____
 Mine Center Location: Latitude: _____ Longitude: _____ Nearest Town: Dotsero
 State: Colorado County: Eagle Range: 88 West
 Section: 32 Township: 4 South
 Major Watershed: Colorado River

Map Scale: 1" = 150'

Map Georeferencing Information: Datum: NAD27 NAD83 WGS84 None (Local) Units: Feet Meter

Mapping Projection: State Plane: Single Zone North Zone South Zone Central Zone
 UTM: Zone 12 Zone 13 Zone 14 Other:
 Local System (Name): Colorado Central

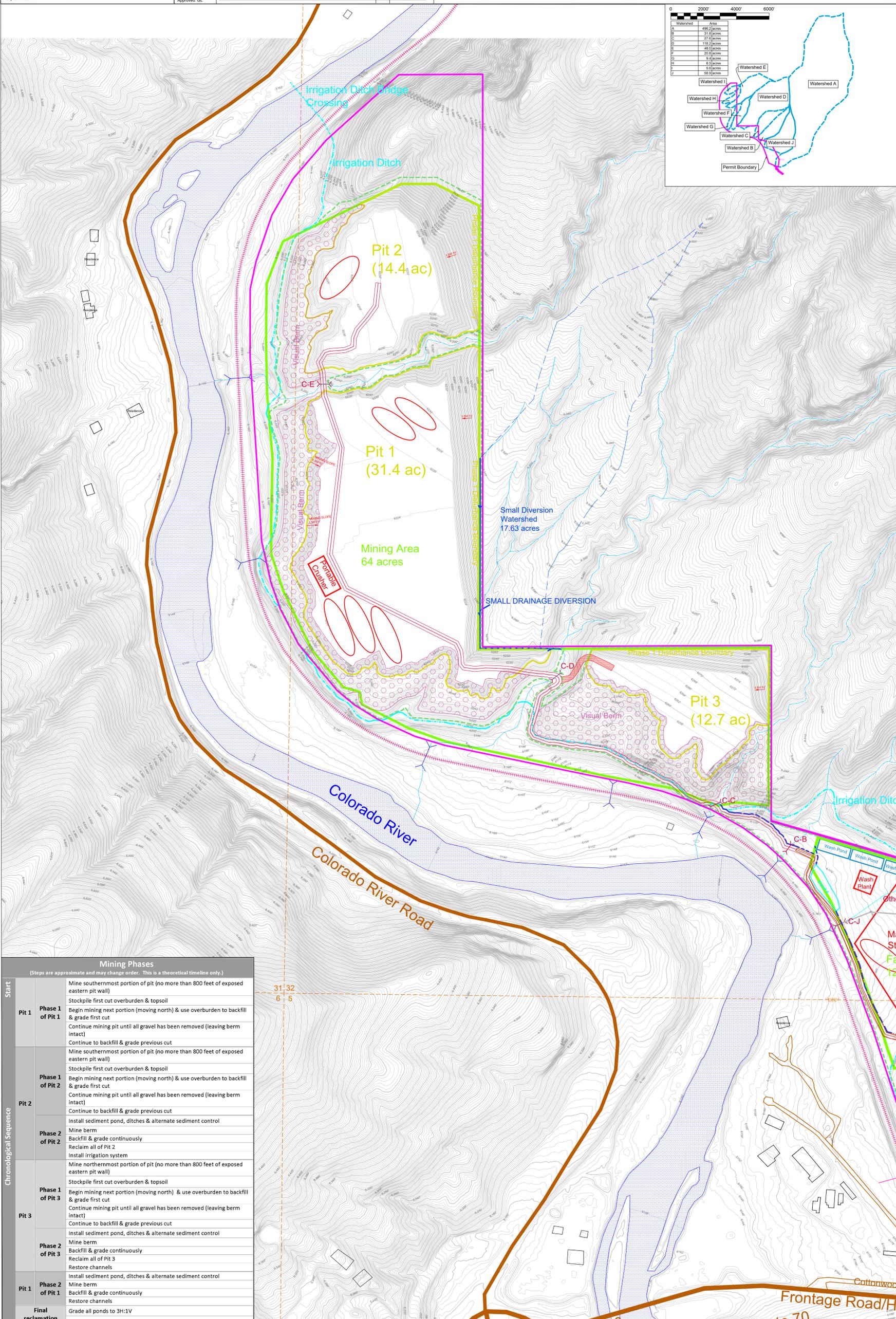
File Name: E:\Work\Dropbox\Karl Berger\Coyote Pit\AutoCAD\Coyote Pit 161128.dwg Date Plotted: 11/30/16



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| Gravel Production Phase 1 | | |
|---------------------------|------------------|------------------|
| | Cubic Yards | Tons |
| Pit 1 | 757,811 | 1,136,705 |
| Pit 2 | 396,866 | 595,293 |
| Pit 3 | 305,494 | 458,236 |
| Total | 1,460,171 | 2,190,234 |

| Overburden Phase 1 | | |
|--------------------|------------------|--------------------------|
| | Cubic Yards | +8% Swell Cubic Yards |
| Pit 1 | 788,443 | 851,519 |
| Pit 2 | 626,484 | 676,603 |
| Pit 3 | 56,507 | 61,028 |
| Total | 1,471,435 | 1,589,150 |



| Mining Phases | | (Steps are approximate and may change order. This is a theoretical timeline only.) | |
|---------------|------------------|--|---|
| Pit 1 | Phase 1 of Pit 1 | 31 | Mine southernmost portion of pit (no more than 800 feet of exposed eastern pit wall) |
| | | 32 | Stockpile first cut overburden & topsoil |
| Pit 2 | Phase 1 of Pit 2 | 6 | Begin mining next portion (moving north) & use overburden to backfill & grade first cut |
| | | 5 | Continue mining pit until all gravel has been removed (leaving berm intact) |
| Pit 3 | Phase 1 of Pit 3 | 31 | Mine southernmost portion of pit (no more than 800 feet of exposed eastern pit wall) |
| | | 32 | Stockpile first cut overburden & topsoil |
| Pit 1 | Phase 2 of Pit 1 | 31 | Install sediment pond, ditches & alternate sediment control |
| | | 32 | Mine berm |
| Pit 2 | Phase 2 of Pit 2 | 6 | Backfill & grade continuously |
| | | 5 | Reclaim all of Pit 2 |
| Pit 3 | Phase 2 of Pit 3 | 31 | Install irrigation system |
| | | 32 | Mine northernmost portion of pit (no more than 800 feet of exposed eastern pit wall) |
| Pit 1 | Phase 2 of Pit 1 | 31 | Stockpile first cut overburden & topsoil |
| | | 32 | Begin mining next portion (moving north) & use overburden to backfill & grade first cut |
| Pit 2 | Phase 2 of Pit 2 | 6 | Continue mining pit until all gravel has been removed (leaving berm intact) |
| | | 5 | Continue to backfill & grade previous cut |
| Pit 3 | Phase 2 of Pit 3 | 31 | Continue to backfill & grade previous cut |
| | | 32 | Install sediment pond, ditches & alternate sediment control |
| Pit 1 | Phase 2 of Pit 1 | 31 | Mine berm |
| | | 32 | Backfill & grade continuously |
| Pit 2 | Phase 2 of Pit 2 | 6 | Reclaim all of Pit 3 |
| | | 5 | Restore channels |
| Pit 3 | Phase 2 of Pit 3 | 31 | Install sediment pond, ditches & alternate sediment control |
| | | 32 | Mine berm |
| Pit 1 | Phase 2 of Pit 1 | 31 | Backfill & grade continuously |
| | | 32 | Restore channels |
| Pit 2 | Phase 2 of Pit 2 | 6 | Grade all ponds to 3H:1V |
| | | 5 | Install irrigation system in reclaimed Pit 1 |
| Pit 3 | Phase 2 of Pit 3 | 31 | Construct access road (modified portions) |
| | | 32 | |

Notes:
Contours generated from LIDAR in 2008 and provided by Eagle County GIS Department

| Revisions | By | Date |
|-----------|----|------|
| | | |
| | | |
| | | |

Designed: _____
Drawn: _____
Checked: _____
Approved: _____

Elam Construction, Inc.
Coyote Gravel Pit

Exhibit C Map 2B:
Phase 2 Mining with Visual Berm Removed
& Before Overburden Backfilling

Permit Number: _____
 Mine Center Location: Latitude: _____ Longitude: _____ Nearest Town: Dotsero
 State: Colorado County: Eagle Township: 4 South Range: 88 West
 Section: 32 Major Watershed: Colorado River
 Map Scale: 1" = 150'

Legend

| | |
|--|-------------------------------|
| Permit Boundary | Watershed |
| Fences | Dry Drainages/Arroyos/Gullies |
| Roads | Soil Types |
| Mine Roads | Collection Ditch |
| Phase 1 Pit Limit Disturbance | Colorado River |
| Phase 2 Pit Limit Disturbance | Temporary Visual Berm |
| Railroads | Culvert |
| Section Lines | Topsoil Stockpile Locations |
| 6910 - Phase 2 During Mining Intermediate Topography | Mine Items |
| 6916 - Phase 2 During Mining Intermediate Topography | Existing Buildings |
| | Irrigation Ditch |

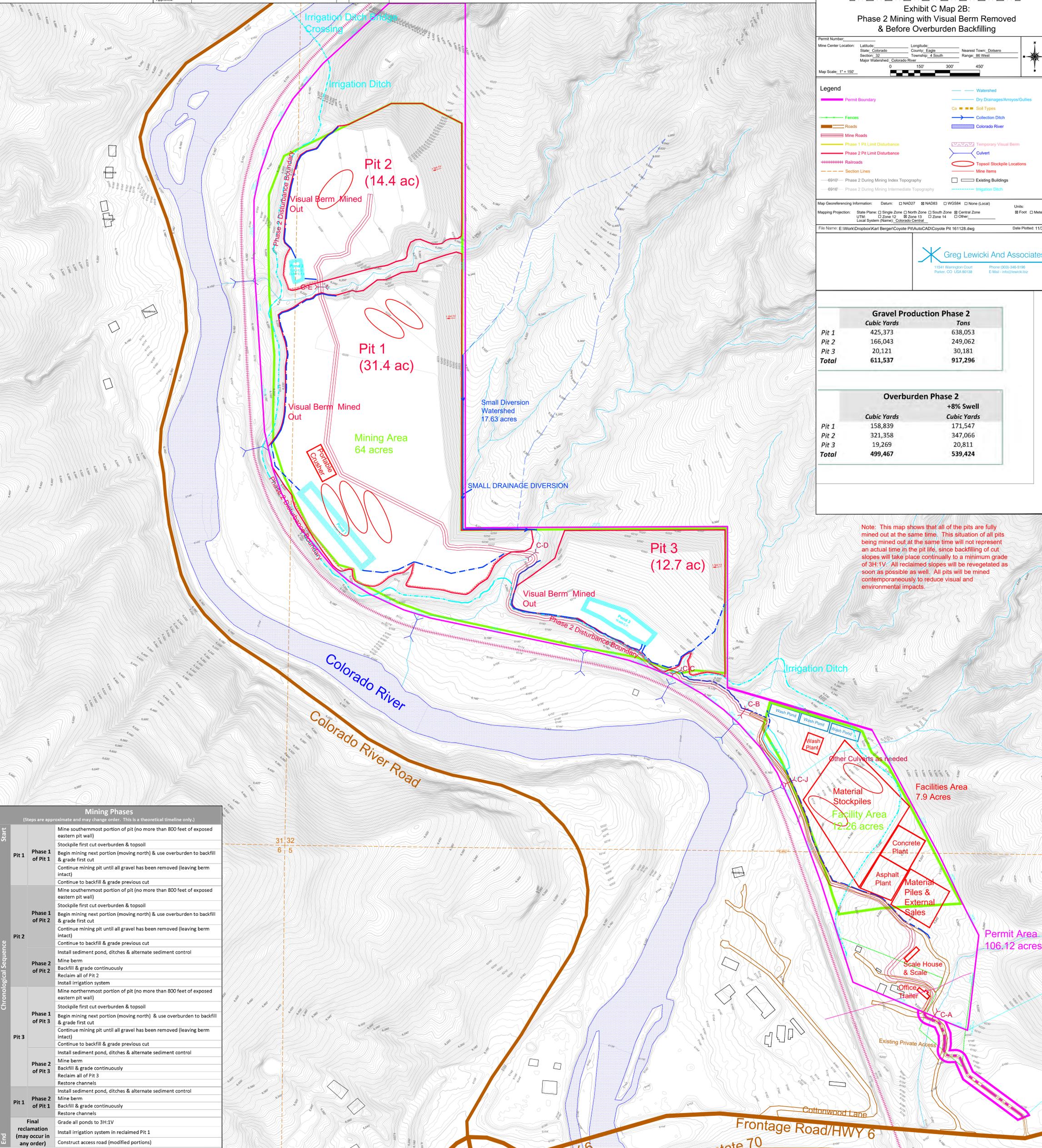
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| Gravel Production Phase 2 | | |
|---------------------------|----------------|----------------|
| | Cubic Yards | Tons |
| Pit 1 | 425,373 | 638,053 |
| Pit 2 | 166,043 | 249,062 |
| Pit 3 | 20,121 | 30,181 |
| Total | 611,537 | 917,296 |

| Overburden Phase 2 | | |
|--------------------|----------------|--------------------------|
| | Cubic Yards | +8% Swell Cubic Yards |
| Pit 1 | 158,839 | 171,547 |
| Pit 2 | 321,358 | 347,066 |
| Pit 3 | 19,269 | 20,811 |
| Total | 499,467 | 539,424 |

Note: This map shows that all of the pits are fully mined out at the same time. This situation of all pits being mined out at the same time will not represent an actual time in the pit life, since backfilling of cut slopes will take place continually to a minimum grade of 3H:1V. All reclaimed slopes will be revegetated as soon as possible as well. All pits will be mined contemporaneously to reduce visual and environmental impacts.



| Mining Phases | |
|---|--|
| Start | (Steps are approximate and may change order. This is a theoretical timeline only.) |
| Pit 1 | Phase 1 of Pit 1 Mine southernmost portion of pit (no more than 800 feet of exposed eastern pit wall) Stockpile first cut overburden & topsoil Begin mining next portion (moving north) & use overburden to backfill & grade first cut Continue mining pit until all gravel has been removed (leaving berm intact) Continue to backfill & grade previous cut |
| | Phase 1 of Pit 2 Mine southernmost portion of pit (no more than 800 feet of exposed eastern pit wall) Stockpile first cut overburden & topsoil Begin mining next portion (moving north) & use overburden to backfill & grade first cut Continue mining pit until all gravel has been removed (leaving berm intact) Continue to backfill & grade previous cut |
| | Phase 2 of Pit 2 Install sediment pond, ditches & alternate sediment control Mine berm Backfill & grade continuously Reclaim all of Pit 2 |
| Pit 2 | Phase 1 of Pit 3 Mine northernmost portion of pit (no more than 800 feet of exposed eastern pit wall) Stockpile first cut overburden & topsoil Begin mining next portion (moving north) & use overburden to backfill & grade first cut Continue mining pit until all gravel has been removed (leaving berm intact) Continue to backfill & grade previous cut |
| | Phase 2 of Pit 3 Install sediment pond, ditches & alternate sediment control Mine berm Backfill & grade continuously Reclaim all of Pit 3 Restore channels |
| | Phase 2 of Pit 1 Install sediment pond, ditches & alternate sediment control Mine berm Backfill & grade continuously Restore channels |
| Final reclamation (may occur in any order) | Grade all ponds to 3H:1V Install irrigation system in reclaimed Pit 1 Construct access road (modified portions) |

