

# NEIL'S CONTROLLED BLASTING



## DRILLING & SLOPE STABILIZATION EXPERIENCE

Below is a partial list of relevant projects completed by NCB, please contact us anytime should you have any questions.

**2001-2002 Utica Power Authority – Rebuilt Flume Destroyed in Fire.**

Work included high scaling, slope stabilization, re-vegetation, wire mesh drapery, blasting, rock anchors for foundations. Steel erection of flume using helicopter.

Contact: Vern Pyle (209) 736-0110 (\$654K)

**2002 UPRR – Feather River Slope Stabilization.**

Butte County, CA. Contract to install rockfall prevention along the Feather River Canyon Line. Work includes rock scaling wire mesh drapery, cable nets, rock anchors. Currently On call for emergency slide mitigation.

Contact: Wayne Yarborough, (530) 906-5918 (\$2M)

**2002 Caltrans – Highways 50,70,80, and 49 Numerous Emergency Slide Mitigations.**

Work included drilling and blasting, high scaling, hydraulic splitting at various locations.

Caltrans Contact: Kathy Koontz, (530) 283-2610 & Bill Webster, (916) 227-1041

**2003 Lehigh Cement – Transformer Station Cable Net Fencing.**

Redding, CA. Installed two high impact cable net fences to protect transformer station. Installed two 150' long 75-ton fences using a helicopter.

Lehigh Contact: Rob Childers (530) 275-1581 X392 (\$221K)

**2003-2004 Caltrans – San Francisco/Oakland Bay Bridge W-2 Footings.**

Drilled and blasted two 65' x 65' x 90' deep footings. Stabilized the excavation using rock bolts, tiebacks and wire mesh drapery.

Caltrans Contact: (916) 654-2852 (\$1.2M)

**2004 PG&E/PCWA – Interbay Slope Stabilization.**

Placer County, CA. Replaced damaged wire mesh system, scaled and installed rock anchors on slope above Interbay Dam.

Contact: Jon Mattson, PCWA (530) 885-6917 (\$98.6K)

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**2005-2006 PG&E/South Feather Water and Power – Woodleaf Powerhouse.**

Yuba County, CA. Included high scaling, drilling for and installation of rock bolts, slope stabilization, shotcrete, wire drape netting and slope drains.

Contact: Kathy Peterson, So. Feather W&P (530) 534-1221 Ext. 202 (\$1.3M)

**2007 El Dorado Irrigation District – Emergency Landslide Repairs.**

El Dorado County, CA. Drilled and grouted rock anchors, wire mesh drapery, scaling and re-vegetated slope on powerhouse road. Drilled and grouted 26 tiebacks for soldier pile walls along access road.

EID Contact: (530) 622-4513 (\$376K)

**2007 PG&E – Strawberry Dam.**

Tuolumne County, CA. Installed a 30-ton rock fence and wire mesh drapery to protect a valve structure project including rock anchors. High Scaling and helicopter work.

PG&E Contact: Steve Broach, (530) 889-5005 (\$83K)

**2008 PG&E – Belden Siphon.**

Plumas County, CA. Drilled hole and installed 310' piezometer on high angle slope. Difficult access drilling, rigging, air tugger and rope work.

PG&E Contact: Bill Watley, (530) 889-3355 (\$128.5K)

**2009-2010 PG&E/Parsons – Caribou Penstock Slope Drains.**

Plumas County, CA. Work took place 700 ft up slope of Caribou Powerhouse. 2,400 lf of slope drain drilling, casing install, manifold fabrication and plumbed to bottom of slope. Included: Helicopter, 400'+ drilled holes, rope work, trail work/ scaling and installation of safety lines for future monitoring efforts.

Parsons Contact: Mike Donnelly, (530) 876-2217 (\$685k)

**2010 Ford Construction/USBR – Wildcat Dam and Flume Removal.**

Tehama County, CA. Scaled 100' vertical Canyon walls prior to removal work at canyon floor. Rope work and Scaling

Ford Construction Contact: Mike Rado, (209) 333-1116 (\$15k)

**2010-2011 USBR/Kiewit – Infrastructure Folsom Spillway Phase II.**

Sacramento County, CA. Slope Stabilization including ~8,000 rock bolts, scaling, DTHMN mesh and shotcrete.

Owner's Rep. Howard Dietrich USBR, (530) 934-7066 (\$6M)

**2010-2011 UPRR – Dunsmuir.**

Siskiyou County, CA. Rock fall catch and drape fencing, scaling, rock bolting, drilling, controlled blasting and installed ballast retention walls along Upper Sacramento River.

Jim Dobbas Inc. Contact: Robert Chandler, (916) 663-3363 (\$700K)

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2011 **Federal Highway Administration (FHWA) – Highway 140-Rockfall Mitigation.**

Yosemite Park, El Portal, CA. Included scaling and rock bolt installations on an 80' vertical slope above Highway 140.

FHWA Contact: Matt DeMarco or Khamis Haramy, (720) 963-3521 (\$65K)

2011 **PG&E – Bear River Canal Repairs.**

Drilled and installed micropiles, soil nails, rock anchors, rock bolts, shotcrete and monitoring equipment under emergency outage of 450 CFS canal on steep canyon walls. Work included high angle rope work and scaling.

PG&E Contact: Bob Raibley, (530) 889-3280 (\$1.3M)

2012 **Caltrans/Ford Construction – 10-0S1704 Highway 88 Realign/Sliver Cut.**

Alpine County, CA. Laid back 100' H cliff area above roadway to ½ to 1 slope. ~10,000 CY D&B ~48,000 LF Presplit. Work included on-rope drilling and high scaling.

Caltrans Contact: Colin Doran, (209) 754-1886 (\$1.1M)



2011-2012 **PG&E/PCWA – Ralston Powerhouse Geobruigg Rockfall Barrier.**

120' Rockfall Barrier inside live 260kv power plant, drilling and installing rock anchors, footings, rope work and scaling.

PCWA Contact: Jon Matson, (530) 885-6917 (\$135K)

2011-2018 **Calaveras Dam Replacement Project.**

Calaveras County, CA. Helicopter installation of slope mesh drapery, slope scaling, drill and blast, high angle rope access anchor installations, rockfall drapery system.

Dragados/Flatiron/SukutJV: Dan Bowen, (925) 493-4598 (\$4.9M)

2013 **PG&E/PCWA – Ralston Powerhouse Replaced Wire Mesh Drapery System.**

Scaled 100 cubic yards of 150' vertical slope. Drilled and installed rock anchors on vertical slope. Slope access by crane & manbasket. All work done high-angle.

PCWA Contact: Jon Matson, (530) 885-6917 (\$145K)

2012 **UPRR – Highway 70 Power Poles.**

Butte County, CA. Difficult access drilling and installing large rock anchors for power pole footings. Work performed between live track and river canyon in steep terrain. Scaling and high angle work. Excavator mounted rock drill working on/off high tracker.

UPRR Contact: Wayne Yarborough, (530) 906-5918 (\$220K)

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**2012-2013 NDOT/Granite – Highway 50 Cave Rock.**

Lake Tahoe, NV. High Scaling, High Angle installation approximately 40,000 sq. ft. of wire mesh, Soil-nail Installation, Shotcrete Application.

Granite Construction Contact: John O'Day, (775) 772-1329 (\$474K)

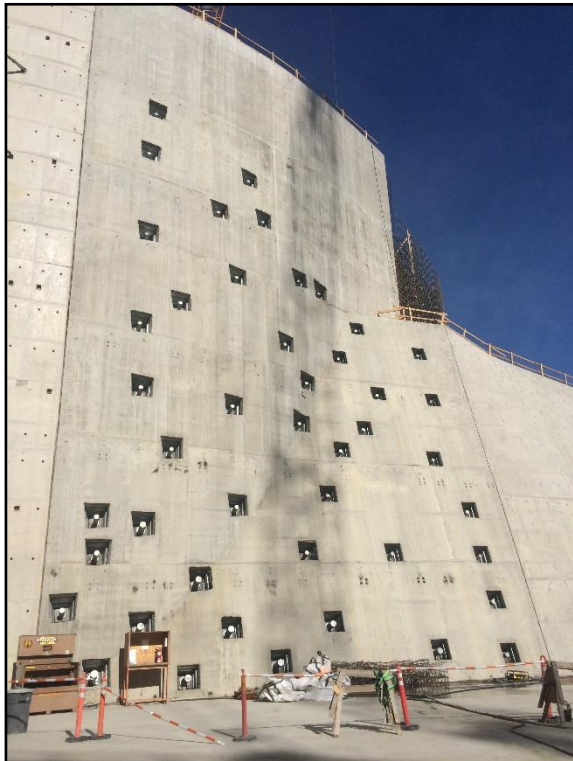
**2013 Caltrans/NCB – 03-2C8604 Interstate 80 Little Windy Hybrid Rockfall Barrier.**

Emigrant Gap, CA. Drilled, Installed, Tested 136 cable anchors & 272 bar anchors. Installed over 3200 LF of wire mesh cable netting system. (54'-120' height/256,000 sq. ft.)

Caltrans Contact: Phil Zink, (530) 346-7996 (\$1.6M)

**2013 PG&E – Scott Dam Toe Drains.**

Lake County, CA. Drilled and installed drains relief in toe of dam, helicopter work for all drills, equipment and material.



**2013-2016 USACE/Kiewit – Folsom Dam Auxiliary Spillway Phase IV.**

Sacramento County, CA. 30" Diameter CIDH light pole foundations, slope scaling & wire mesh installation. Scaled 30,000 sq. ft. of slope for worker protection, drilled and installed rock anchors, rock bolts, installed 17,000 sq. ft. of DTWM, over 1,000 yds. of shotcrete installation, and soil nail walls. Most work was performed on high angle slope. Oct 2013-May 2016.

Kiewit Contact: Josh Domme, (916) 200-8373 (\$11.6M)

**2014 NDOT/Granite – #3558 Mt. Rose Highway SR431 to US 395.**

Washoe County, NV. High angle access slope scaling of 2,300+/- cu. yds. prior to placement of wire mesh. Install 10,933 sq. yds. double twist wire mesh drapery including drilling, testing and grouting of anchors. Helicopter

assisted placement of wire mesh on slope.

**2015 SMUD – Robbs Peak Powerhouse Union Valley Reservoir.**

El Dorado County, CA. Drilling and installation of soil nails and wire mesh shoring system.

SMUD Contact: (530) 644-2013 (\$129K)

**2016 PG&E/KW Emerson – Pit 5 Powerhouse Upper Switchyard Slope Repair.**

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Burney, CA. Drilled and installed 50' horizontal drains, engineered and installed (22'x200') soil nail wall.

K.W. Emerson Contact: Mike McPhee, (209) 754-3839 (\$225K)

**2016 TMWA/Q&D – Washoe Forebay Spillway Channel Replacement.**

Washoe County, NV. Furnish, drill and install rock anchors including grout sampling and testing.

Q&D Construction Contact: Bret Amesbury, (775) 786-2677 (\$32K)

**2016-2019 Caltrans – Gazex Avalanche Exploders.**

Echo Summit, Carson Spur & June Lakes, CA. High Angle Rope Access Work, Helicopter Installations, Anchor Drilling, Concrete Placement, Cannon Installations. (\$6.5M)



**2017 UCSC/Flint Builders – Upper Quarry Amphitheater Renovation.**

Santa Cruz, CA - High angle access slope scaling prior to placement of wire mesh. Install 9100 sq.ft. anchored double twist wire mesh drapery including drilling, testing and grouting of anchors. Flint Builders Construction Contact: Mark Mennucci, (916) 825-2378 (\$155K)

**2017 Caltrans/Ford Construction – HWY 26 Slide Repairs.**

Amador County, CA. Caltrans Emergency Contract. High angle access slope scaling prior to blasting and sizing boulders for emergency work for highway clearing.

Ford Construction Contact: Jim Murray, (209)

327-1715 (\$130K)

**2017 Caltrans/Lorang Brothers – HWY 49 Slide Repairs.**

Nevada County, CA. Caltrans Emergency Contract. High angle access slope scaling prior to blasting and sizing boulders for emergency work for highway clearing.

Lorang Brothers Contact: Matt Lorang, (916) 417-9337 (\$85K)

**2017 PG&E/Hutchins Inc. – Hat 2 Bluff Remediation.**

Shasta County, CA. Slope scaling, anchored rockfall protection system.

Contact: Jeff Hutchins, (530) 246-4272 (\$135K)

**2017 Caltrans/Knife River Construction – SR191 Realigning Curves & Widen Shoulder.**

Butte County, CA. Anchored rockfall protection system/drilled/installed/tested anchorages/installed rockfall drape, high angle access work.

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Caltrans Contact: Bill Webster, (916) 227-1041 (\$190K)

**2017-2019 NDOT/Granite – #3671 SR28 Rockfall Barriers.**

Washoe County, NV. Drill and split rock, anchored rockfall barriers. (\$950K)

**2017 PG&E/Outback Construction – Pit 6 Powerhouse Stilling Basin Repairs.**

Shasta, CA. Anchor installations. (\$450K)

**2017 PG&E/KW Emerson – Pit 7 Soil Nail Wall.**

Shasta County, CA. PG&E Emergency Work Project. Shotcrete wall and drainages.



(\$150K)

**2017 FHWA/TL Peterson – Repairs at Yosemite NP ERFO, Hwy 120/140.**

Mariposa, CA. Slope stabilization/scaling/rock bolting/installed/tested rock bolts above Hwy 120 & Hwy 140. (\$85K)

**2017 PCWA/NCB – MFA Interbay Dam Rockfall Protection Fence Maintenance.**

Placer & El Dorado Counties, CA. Placer County Water Agency Emergency Project. Slope scaling/DTWM repairs, high angle access work, slope scaling, anchor drilling, mesh repairs and maintenance. (\$150K)

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**2017 NID/Kiewit – Bear River Siphon Replacement Project.**

Placer & Nevada Counties, CA. Foundation drilling/install/test, anchor installations, rock bolting/drilling/installs/testing. (\$450K)



**2018 Caltrans/Hays & Sons – Hwy 96 Clear of Slide Debris.**

Siskiyou County, CA. Caltrans Emergency Project. Drill/install/test, installed retaining wall tiebacks. (\$190K)

**2018 PG&E/NCB – Kerchoff 2 Tunnel Lining Project.**

Fresno County, CA. Rock bolts and shotcrete. Drill, installed/tested rock bolts, and shotcrete. (\$450K)

**2018 TMWA/Q&D – Fleish Flume.**

Slope Safety Scaling, Rock Excavation, Rock Anchors, High Angle Rope Access  
TMWA/Q&D Construction (\$480K)

**2018 Caltrans/Lorang Brothers – Colfax Culvert & Sink Hole.**

Placer County, CA. Soil Nail Wall 20'x100'. Drill/install/test engineered/designed soil nail wall along Interstate 80 in Colfax, CA for culvert replacement. (\$80K)

**2018 Caltrans/Knife River Construction – Camp Fire Support, Hwy 70.**

Butte County, CA. Caltrans Emergency Project. Slope Scaling, Rockfall Drapery Protection Systems, Drill/test/install rock bolts, high angle access work, slope scaling, anchor drilling, Raised Post Foundations, Helicopter Installation. (\$5M)

**2018-2019 El Dorado Irrigation District/KW Emerson – Flume 44 Replacement.**

Pollock Pines, CA. Slope Scaling, Anchored Wire Mesh, Rock Bolts, Soil Nails, Shotcrete. High Angle Rope Access Work. (\$550K)

**2018-2019 California DWR/Kiewit – Oroville Dam Emergency Recovery Spillway Project.**

Butte County, CA. Slope protections drape systems, drill/test/install rock bolting, high angle access work, slope scaling, anchor drilling.  
Kiewit Contact: Josh Domme (\$1.5M)

**2018-2019 PCWA/NCB – IBAY Slope Stabilization.**

Placer & El Dorado Counties, CA. Slope scaling, Cable Net Rockfall Drapery Placement, High Angle Rope Access Work, Anchor Drilling, Shotcrete Placement. (\$750K)

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**2019 TID/NCB – Tunnel 1.**

Scaling Canal Tunnel Crown, Lockout Tagout Canal Work, Project Management. (\$175K)

**2019 Caltrans/NCB – SR 89 Mesh Drapery Systems.**

Traffic Control, Scaling, Barrier System, Slope Scaling. Anchored Rockfall Protection Drapery Systems, Elevated Rockfall Protection Drapery System. (\$900K)

**2019 EID/KW Emerson – Flume 44 Replacement.**

Pollock Pines, CA. Slope Scaling, Pinned Wire Mesh Drapery System, Soil Nail Wall. (\$600K)

**2019 TID/NCB – Don Pedro Rockfall.**

La Grange, CA. Rockfall Barrier System Above Outlet Tunnel, Project Management and Barrier System Installation. (\$175K)

**2019-2020 Caltrans/Q&D – HWY 50 Echo Summit Sidehill Viaduct.**

Controlled Slope Scaling, High Impact Rockfall Barriers, Wire Rope Rock Restraint Systems, Rock Excavation, Rock Anchors, Micro Piles, High Angle Rope Access. (\$900K)

**2019-2020 Tudor Parini/Teichert Construction – Table Mountain Casino.**

Friant, CA. Controlled Slope Scaling, Rockfall Protection Drape Systems, Wire Rope Rock Restraint Systems, Rock Bolting, Drilling/Anchoring, High Angle Access. (\$467K)

**2020 Caltrans/Q&D – I80 Farad Rockfall Barrier.**

Installation of 1650' Geobruigg RXE 1000 Four Meter Barrier System to protect live traffic on I-80 from falling rock/boulders during reshaping of roadway slope. Includes anchor installation/testing, Slope Scaling, Drilling and Splitting rock. (\$1.2M)

**2020 FHWA – Donner Pass Road.**

Truckee, CA. Slope Scaling, Rock Bolting, Controlled Blasting, Rock Excavation. (\$750K)

**2021 Caltrans/NCB – I80 Farad Rockfall Barrier.**

Installation of Mesh Drapery Systems, Traffic Control, Barrier System, Slope Scaling. Anchored Rockfall Protection Drapery Systems, Elevated Rockfall Protection Drapery System. (\$900K)

**2021 PG&E/NCB – Exchequer/Yosemite 70KV Transmission Tower Replacements.**

Installed 71 Anchored Foundations in the Merced River Canyon Alignment. All Work by Helicopter Access.

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Contact: Don Hacklin, (530) 526-8672 (\$3.2M)

**2021-2022 Caltrans/Granite – Hwy 50 Caldor Fire Rehabilitation.**

Installation of Mesh Drapery Systems, Traffic Control, Barrier System, Slope Scaling. Anchored Rockfall Protection Drapery Systems, Elevated Drapery System.

Granite Construction Contact: Dan Caldwell, (775) 742-5537 (\$1.39M)

**2022 Caltrans/Q&D – SR 70 Ground Anchors.**

Plumas County, CA. Drilling, grouting, installation, and load testing of sub-horizontal ground anchors on SR 70. (\$1.9M)



**2022-2023 Caltrans – SR 80 Rockfall Drapery Alfaro Communications.**

Hand drilling, high angle rope access work with helicopter, anchor installation and testing, slope protection drapery systems. (\$3M)

**2022-2023 PG&E – Relief Hole Drilling.**

Butte, El Dorado, Lake, and Placer Counties, CA. Relief hole drilling to aid in rock excavation for PG&E across four different counties over 2022 and 2023. (\$266K)

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**2022-2023 Placer County/Lorang Brothers – Rollins Lake Road Slide Repair.**

Colfax, CA. Slope scaling, soil nails, retaining wall, sculpted & structural shotcrete, geocomposite drain install. (\$772K)

**2022-2023 Caltrans – SR 80 Emergency Fence Install.**

Truckee, CA. Emergency rockfall fence installation along Hwy 80. (\$759K)

**2023 PG&E/KW Emerson – Tiger Creek Afterbay.**

Amador County, CA. Rock scaling, rock dowel drill/install, and shotcrete. (\$1.5M)

**2023 Caltrans/Hat Creek – SR 70 Rockslide Removal.**

Plumas County, CA. Scaling, hand drilling, splitting, anchor installation, grouting & testing, rockfall protection system installation. (\$33K)

**2023 PCWA – Hell Hole Rockfall Barrier Repairs.**

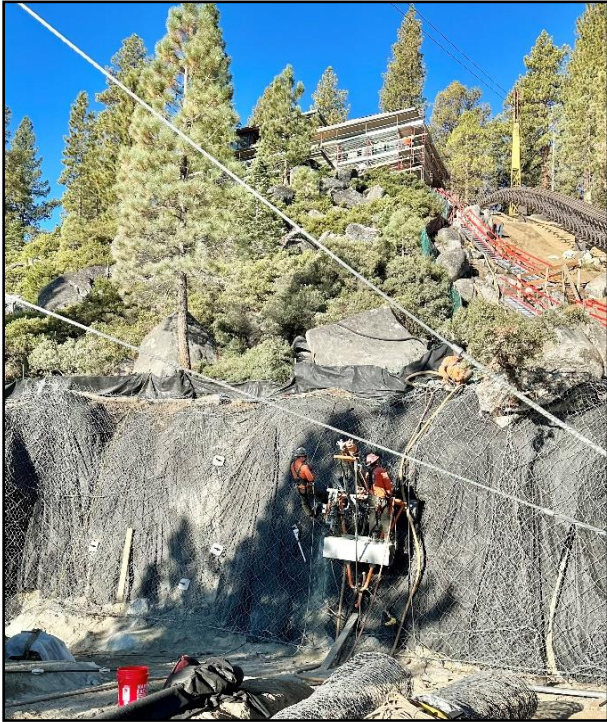
Georgetown, CA. Repairing rockfall barriers. (\$100K)



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**2023 Schommer & Sons – Summertide Project.**

Crystal Bay, NV. Track drill test drilling, hand drilling, hydraulic rock splitting, temporary shotcrete and soil nail shoring. (\$800K)

**2023 NDOT/FMI – Gazex Avalanche Control System Replacement.**

Washoe County, NV. Demolition of existing Gazex system, install of new concrete exploder bases and rebar anchorage, and installation/startup of a new Gazex system on the Mt. Rose summit. (\$730K)

**2023 Bruce Olson Construction – Lyon Sky Holdings, Lakeshore Blvd.**

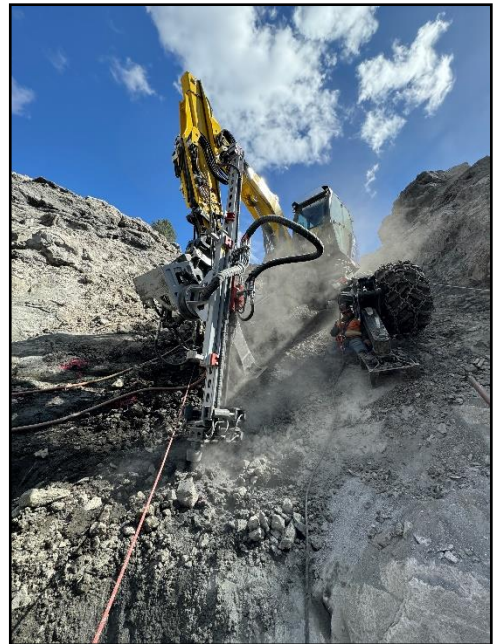
Incline Village, NV. Drilling and splitting, rock excavation, sculpted-stained shotcrete soil nail walls along the driveway and the bluff above the lake. (\$614K)

**2024 Kiewit – Klamath River Renewal Project**

Copco Reservoir, Siskiyou County, CA. – Drilled & blasted for the diversion tunnel head gate using our Kaiser S-12 spider excavator and TEI drill attachment. (\$120K+)

**2024 Caltrans/Nordic Ind. – Hwy 70 Slide Repairs**

Feather River Canyon, Butte County, CA. – Performed emergency rock scaling operations at multiple rockslide locations along Hwy 70 in the feather river canyon. (\$162K)



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**2024 PCWA – Interbay Rockfall Attenuator**

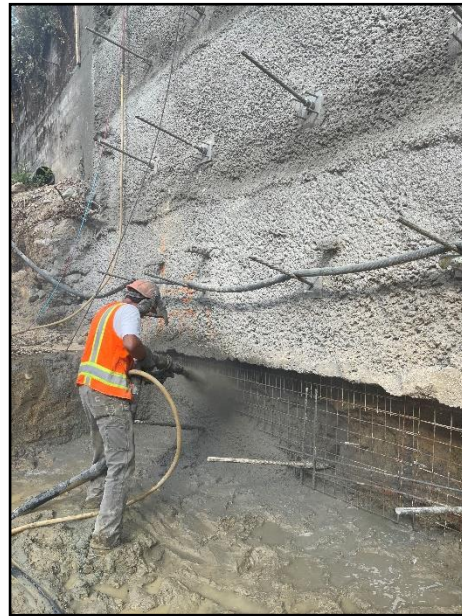
Copco Reservoir, Siskiyou County, CA. – High angle access drilling & installation of anchors, cabling, posts, and netting to help protect Placer County Water Agencies facilities. (\$69K)

**2024 IVGID/Granite – Storage Tank**

Incline Village, Washoe County, NV. – Drilled & split boulders for the construction of an access road. (\$31K)

**2024 Nevada City / GSB – Nevada St Bridge Replacement**

Nevada City, Nevada County, CA. – Soil nail wall with over 20 CY of shotcrete. (\$200K)



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**2024 Caltrans/Granite – Hwy 80 Truckee Slope Stabilization**

Truckee, Nevada County, CA. – High angle access drilling & installation of anchors, cabling, and over 125,000 SF of a MacMat erosion control netting system. (\$2.3M)



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*Roger Lee*

Roger Lee – General Manager

Cell: (916) 765-7697

E-mail: [rlee@ncblasting.com](mailto:rlee@ncblasting.com)

Neil's Controlled Blasting, L.P. (NCB)

P.O. Box 749

Newcastle, CA 95658



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