

**STATE OF
COLORADO****Cazier - DNR, Tim** <tim.cazier@state.co.us>

FW: P.E. Evaluations for City and County Roads

1 message

Humphries <hlhumphries2@comcast.net>

Wed, Jul 31, 2019 at 10:33 AM

To: "Cazier - DNR, Tim" <tim.cazier@state.co.us>

Cc: "andre.laroche@aggregate-us.com" <andre.laroche@aggregate-us.com>, Joel Bolduc <joel.bolduc@aggregate-us.com>

I need to check with the engineer concerning Cassidy St. If that is within 200 feet, we will need to get you the engineering evaluation for it. Attached are the engineering evaluations for the roads for El Paso County and the City of Colorado Springs. Cassidy St is a county road.

Sent from [Mail](#) for Windows 10

From: [Andre LA ROCHE](#)**Sent:** Tuesday, July 30, 2019 4:03 PM**To:** [Bruce Humphries](#)**Subject:** P.E. Evaluations for City and County Roads

Bruce:

Please see attached.

Thanks,

Andre Laroche | Permit Specialist

Transit Mix Concrete Co. | 719-491-0288 mobile

2 attachments**P.E. Evaluation 2019 0726 City of Colorado Springs Roads.pdf**

631K

**P.E. Evaluation 2019 0726 El Paso County Roads.pdf**

659K

July 26, 2019

Aggregate Industries US
West Central Region
1687 Cole Blvd., Suite 300
Golden, CO 80401

Attention: Joel Bolduc
Regional Land and Environment Manager

Subject: Engineering Evaluation for City of Colorado Springs Roads
Daniels Sand Pit 2 (Permit M-1973-007-SG)

Mr. Bolduc,

Brierley Associates has been retained by Transit Mix Concrete Co. to provide an engineering assessment regarding structures within 200 feet of the mining operations affected land. This letter addresses Milton E Proby Pkwy, S Academy Blvd ramps and an access road from Drennan Road.

The subsurface conditions in the area consists mainly of loose to dense eolian deposits of sand and silt. For Milton E Proby Pkwy, the mining slope is at a 4.5H to 1V slope and groundwater is below the floor of the mine. For the S Academy Blvd ramp, the mining slope is at a 4H to 1V slope and groundwater is below the floor of the mine. For the access road from Drennan Road, the mine in this vicinity has been backfilled. The attached Google Earth plan and profile presents the proximity to the mine workings.

In my professional opinion in terms of slope stability impacts, provided the excavation remains in the permitted area, the structures listed above will not be affected by the on-going mining operations.

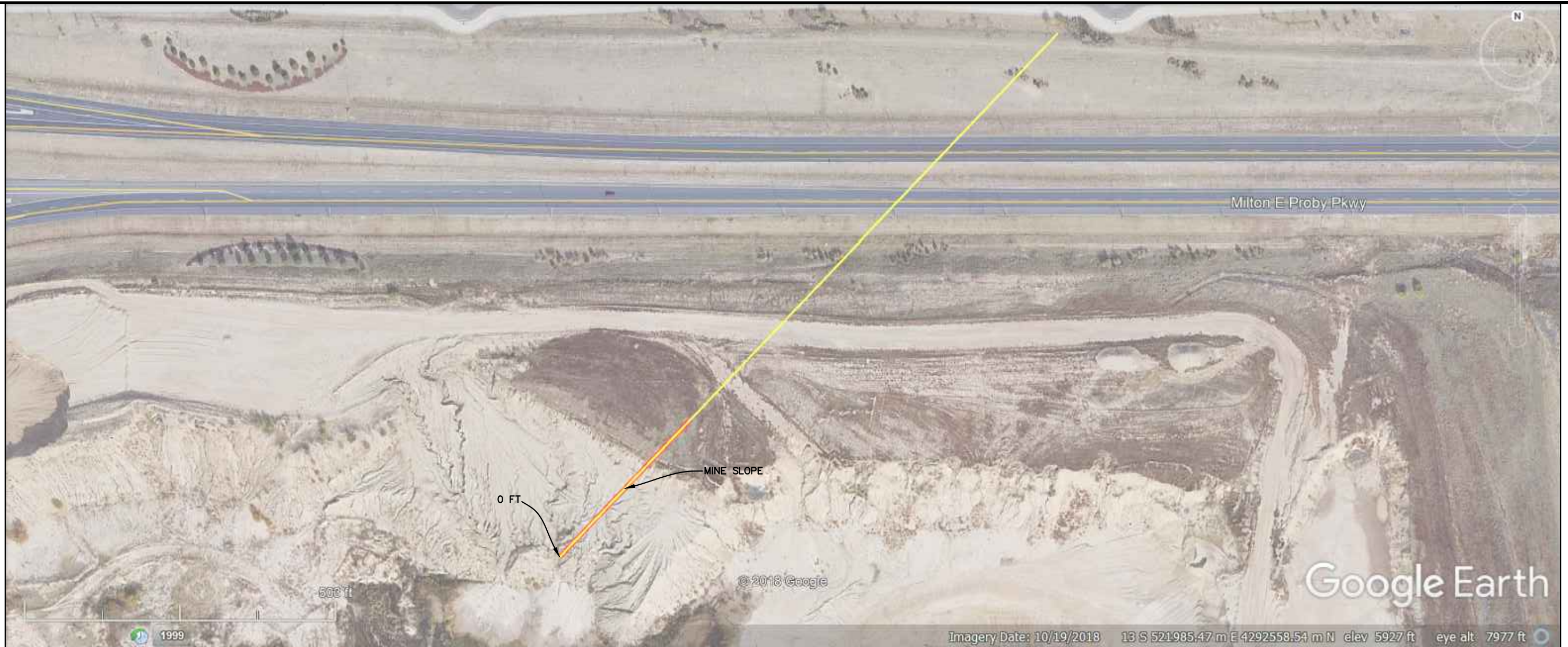
Please contact us if we can be of further assistance, or if you have any questions regarding this evaluation.

Sincerely,



Steven C Kuehr, PE

Attachment – Cross Section



BRIERLEY ASSOCIATES
Creating Space Underground

990 SOUTH BROADWAY, SUITE 222, DENVER, CO 80209
303.703.1405 FAX 303.703.1404

CLIENT

TRANSIT MIX CONCRETE

PROJECT NUMBER

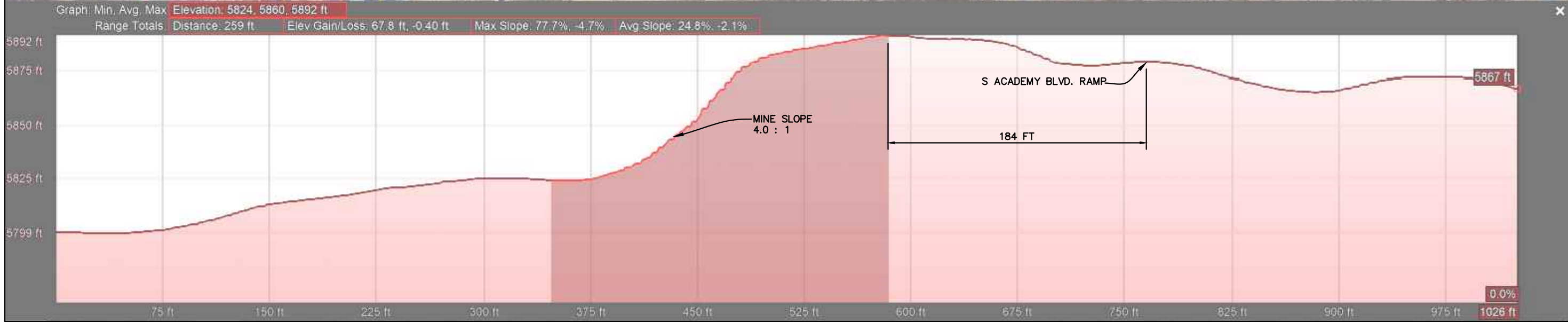
519057-000

FIGURE TITLE

MILTON E PROBY PKWAY

FIGURE

1



BRIERLEY ASSOCIATES <i>Creating Space Underground</i> 990 SOUTH BROADWAY, SUITE 222, DENVER, CO 80209 303.703.1405 FAX 303.703.1404	CLIENT	TRANSIT MIX CONCRETE		FIGURE TITLE	S ACADEMY BLVD. RAMP	FIGURE 2
	PROJECT NUMBER	519057-000				



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FIGURE TITLE
ACCESS ROAD TO DRENNAN ROAD

FIGURE
3

July 26, 2019

Aggregate Industries US
West Central Region
1687 Cole Blvd., Suite 300
Golden, CO 80401

Attention: Joel Bolduc
Regional Land and Environment Manager

Subject: Engineering Evaluation for El Paso County Roads
Daniels Sand Pit 2 (Permit M-1973-007-SG)

Mr. Bolduc,

Brierley Associates has been retained by Transit Mix Concrete Co. to provide an engineering assessment regarding structures within 200 feet of the mining operations affected land. This letter addresses S Academy Blvd interchange, Bradley Road roundabout, and Cody Dr.

The subsurface conditions in the area consists mainly of loose to dense eolian deposits of sand and silt. The mine in this vicinity is the previous wash fines pit. The attached Google Earth plan and profile presents the proximity to the mine workings.

In my professional opinion in terms of slope stability impacts, provided the excavation remains in the permitted area, the structures listed above will not be affected by the on-going mining operations.

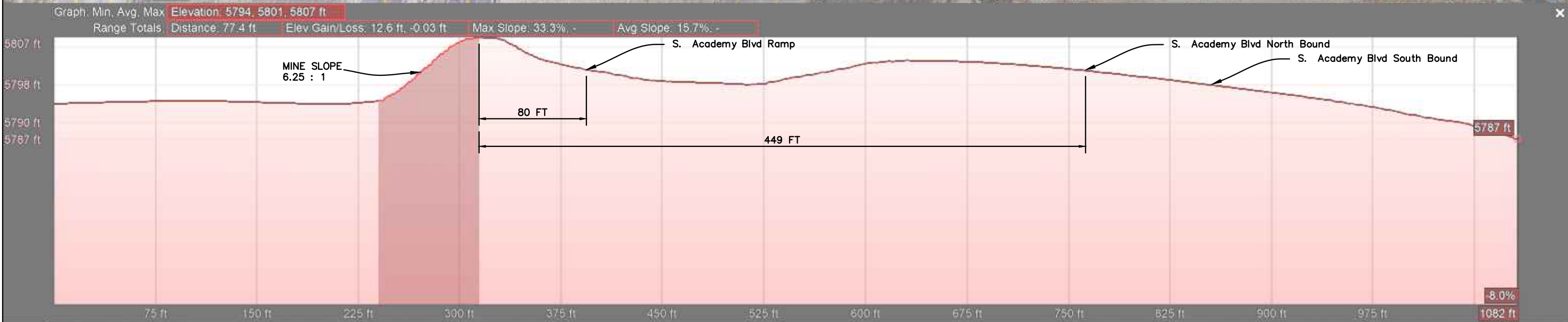
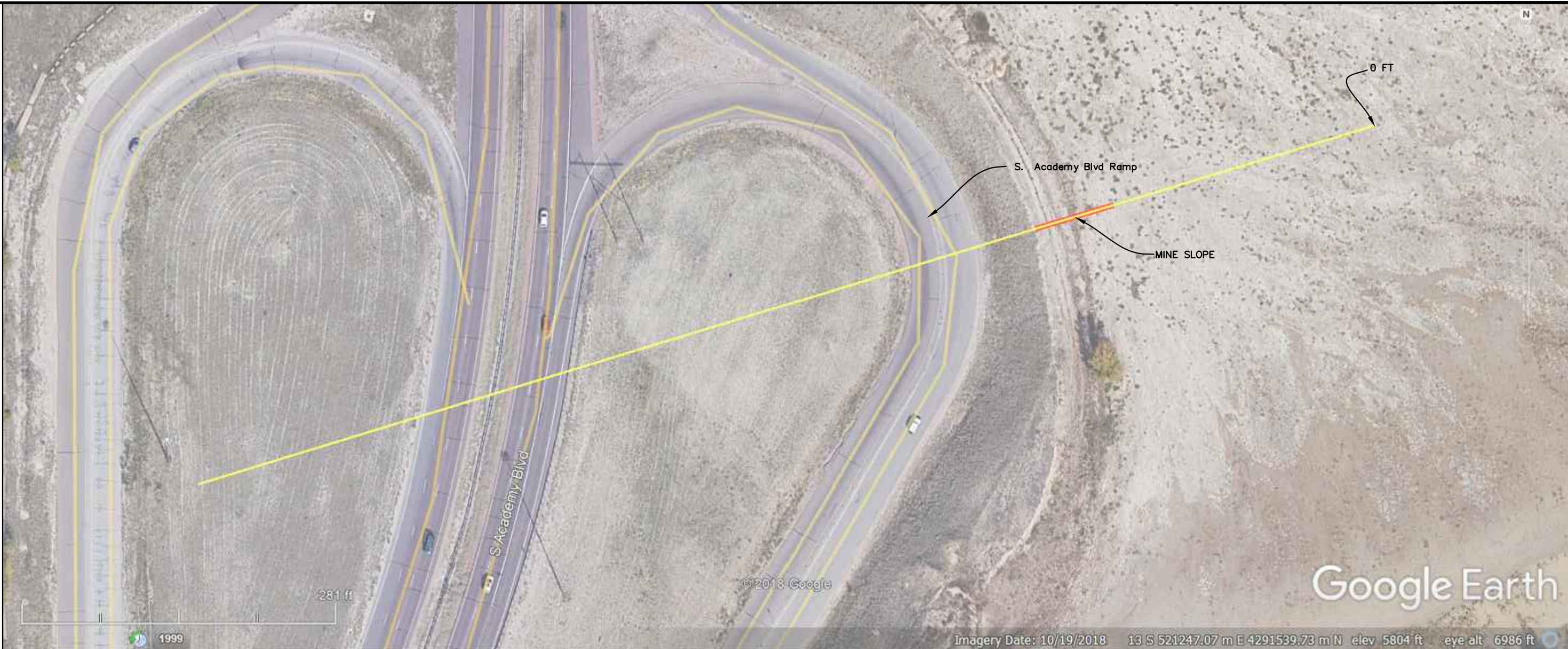
Please contact us if we can be of further assistance, or if you have any questions regarding this evaluation.

Sincerely,



Steven C Kuehr, PE

Attachment – Cross Section



BRIERLEY ASSOCIATES <i>Creating Space Underground</i> 990 SOUTH BROADWAY, SUITE 222, DENVER, CO 80209 303.703.1405	CLIENT	FIGURE TITLE	FIGURE
	TRANSIT MIX CONCRETE	S. ACADEMY BLVD. RAMP	
	PROJECT NUMBER		
	519057-000		1



<div>BRIERLEY ASSOCIATES</div> <div><i>Creating Space Underground</i></div> <div>990 SOUTH BROADWAY, SUITE 222, DENVER, CO 80209 303.703.1405 FAX 303.703.1404</div>	CLIENT	TRANSIT MIX CONCRETE		FIGURE TITLE	BRADLEY RD.	FIGURE	3
	PROJECT NUMBER	519057-000					