



COMMUNITY DEVELOPMENT AGENCY

ENVIRONMENTAL MANAGEMENT DIVISION

<http://www.edcgov.us/EMD/>

PLACERVILLE OFFICE:

2850 Fairlane Court
Placerville, CA 95667
(530) 621-5300
(530) 626-7130 Fax

LAKE TAHOE OFFICE:

3368 Lake Tahoe Blvd., Suite 303
South Lake Tahoe, CA 96150
(530) 573-3450
(530) 542-3364 Fax

Technical Memorandum

To: Paul Hom, El Dorado County DOT Project: Cool – Bike Trail NOA sampling

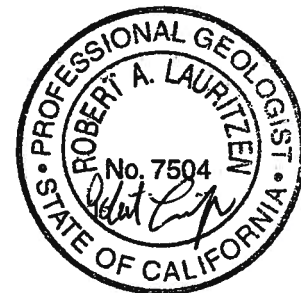
From: Robert Lauritzen,
Geologist, El Dorado County EMD

Subject: **Northside School Class I Bike Path Project**
CIP 72304/72306, Fed Project SRTSL5925 (070)
Cool, California
NOA Testing Results

On April 5, 2013 four four-part composite soil/rock samples were collected from the approximate locations of four former test pits as shown on the attached sheets (NOA-EXH). These samples were delivered under chain of custody to El Dorado County EMD's contract lab, California Laboratory Services, Inc. and subcontracted to EMSL Analytical, Inc. for asbestos analysis by California Air Resources Board Test Method 435 at a sensitivity of 0.25%. Laboratory results indicated asbestos was none detected for three out of four samples analyzed. Laboratory analyzed sample PB-5 contained 1.75% chrysotile asbestos. Please note that samples consisted of surficial ultramafic/serpentinite soils and rocks. NOA tends to weather rapidly in surficial deposits and during construction of this project, less weathered rock and/or soils exposed in deeper cuts and excavations may encounter additional areas with NOA.

If you have any questions or comments please call me at x5130.

Attachments: Laboratory analytical results (EMSL)
Sheet NOA-EXH – NOA sampling locations, Northside Bike Trail



**EMSL Analytical, Inc**

2235 Polvorosa Ave , Suite 230, San Leandro, CA 94577
 Phone/Fax: (510) 895-3675 / (510) 895-3680
<http://www.emsl.com> sanleandrolab@emsl.com

EMSL Order: 091305222
 CustomerID: CALI52
 CustomerPO: CWD0232
 ProjectID:

Attn: **Mark Smith**
California Laboratory Services
3249 Fitzgerald Road

Rancho Cordova, CA 95742

Phone: (916) 638-7301
 Fax: (916) 638-4510
 Received: 04/06/13 10:45 AM
 Analysis Date: 4/9/2013
 Collected: 4/4/2013

Project: CWD0232

Test Report: PLM Analysis of Bulk Samples for Asbestos via EPA 600/R-93/116 Method with CARB 435 Prep (Milling) Level A for 0.25% Target Analytical Sensitivity

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
PB-2 (CWD0232-01)-Soil 091305222-0001	ARB-TM-435	Brown Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	None Detected
PB-4 (CWD0232-02)-Soil 091305222-0002	ARB-TM-435	Brown Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	None Detected
PB-5 (CWD0232-03)-Soil 091305222-0003	ARB-TM-435	Brown Non-Fibrous Homogeneous		98.25% Non-fibrous (other)	1.75% Chrysotile
PB-6 (CWD0232-04)-Soil 091305222-0004	ARB-TM-435	Brown Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	None Detected

Analyst(s)

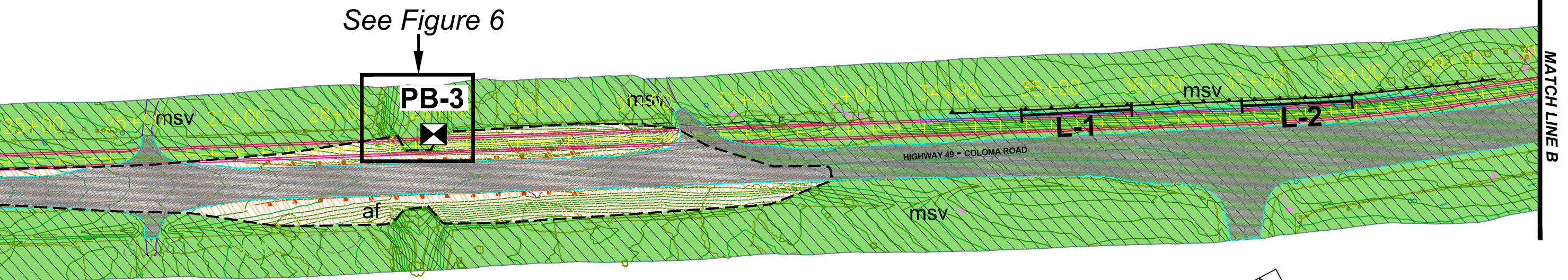
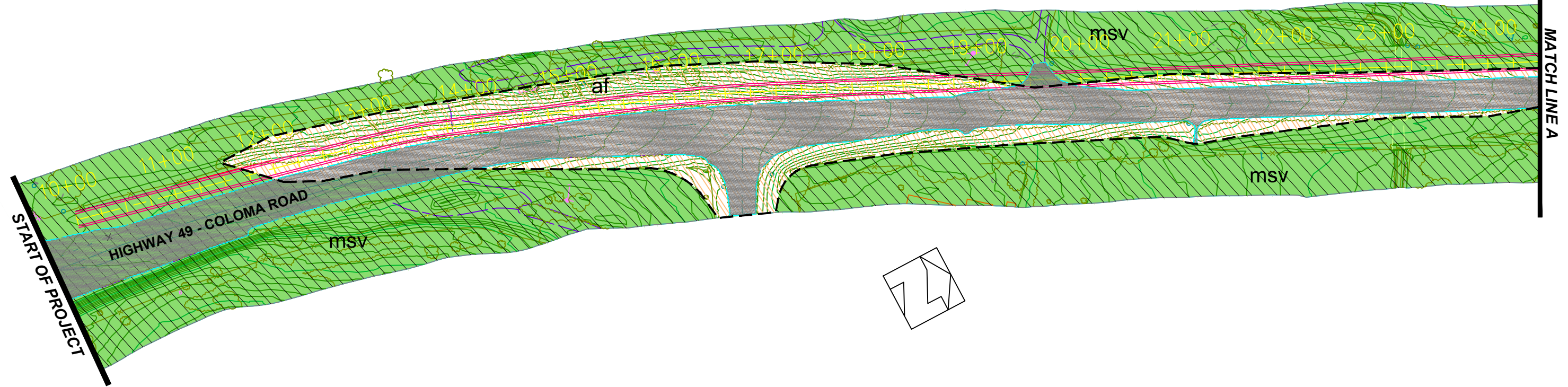
Matthew Batongbacal (4)

Baojia Ke, Laboratory Manager
 or other approved signatory

This report relates only to the samples listed above and may not be reproduced except in full, without EMSL's written approval. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. EMSL is not responsible for sample collection activities or method limitations. Some samples may contain asbestos fibers below the resolution limit of PLM. EMSL recommends that samples reported as none detected or less than the limit of detection undergo additional analysis via TEM. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc San Leandro, CA

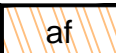
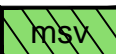
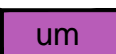
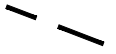


Initial report from 04/09/2013 15:56:06



See Figure 6

PB-3

LEGEND

-  af Artificial Fill
-  msv Metasedimentary & Metavolcanic Rock
-  um Ultramafic Rocks
-  Approximate Geologic Contact
-  PB-6 Sample Location
-  L-2 Seismic Refraction Line

Source: Topography and alignment by El Dorado County Department of Transportation, received February 2008.

SCALE: 1" = 100'

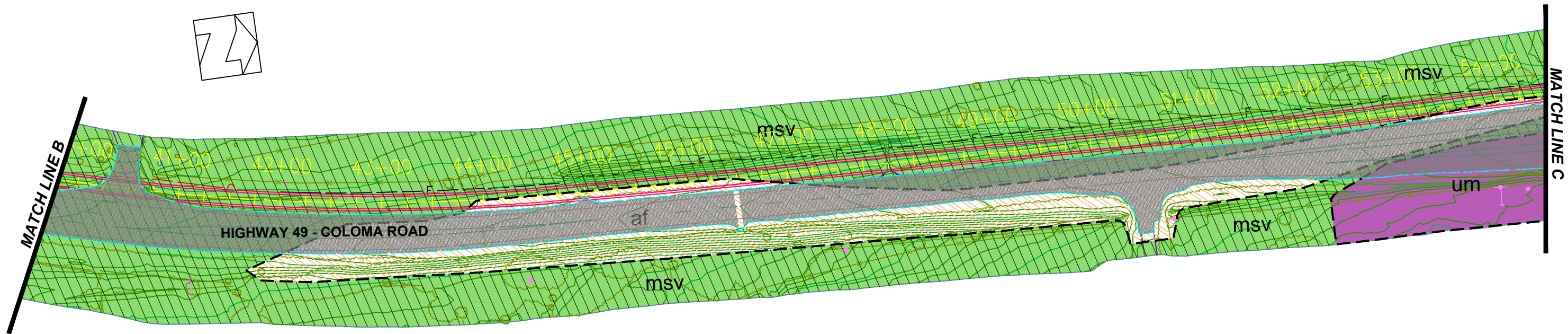
5/7/2012 - 1068.2 Northside School Bike Path Figure 5.dwg



11521 Blocker Drive, Suite 110
Auburn, CA 95603
Phone: (530) 887-1494
Fax: (530) 887-1495
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SITE PLAN
Northside School Bike Path
El Dorado County, California

File No. 1068.3
May 2012
Figure 5 Page 1 of 4



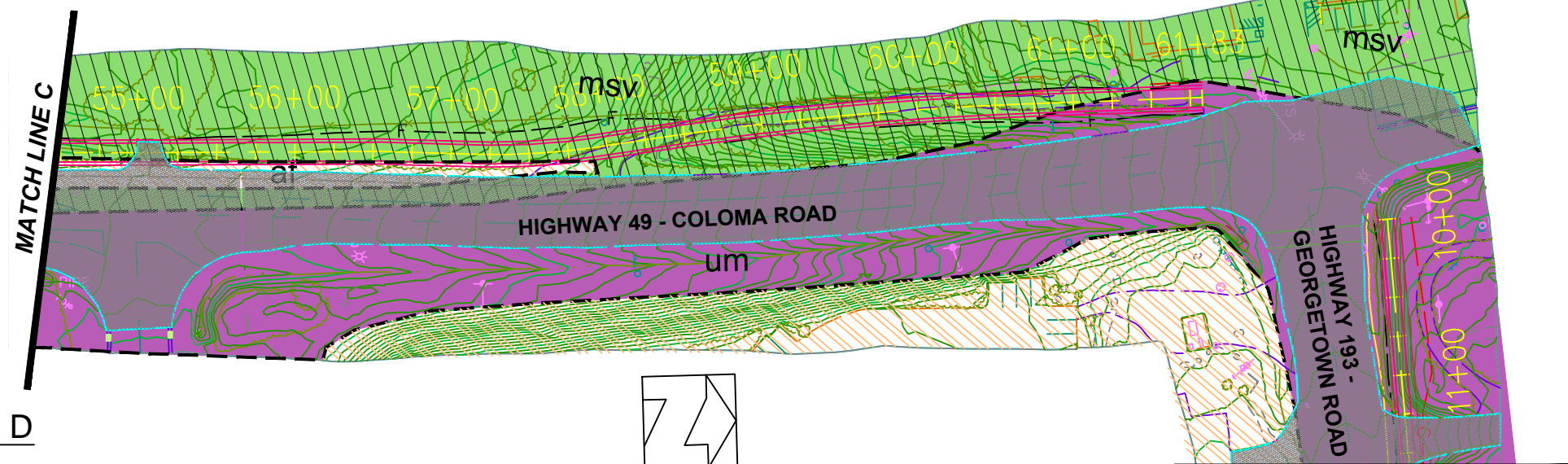
HIGHWAY 49 - COLOMA ROAD

af

msv

msv

um

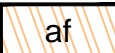
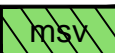
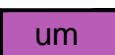
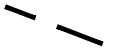

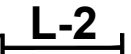


HIGHWAY 49 - COLOMA ROAD

um

HIGHWAY 193 -
GEORGETOWN ROAD

LEGEND

-  af Artificial Fill
-  msv Metasedimentary & Metavolcanic Rock
-  um Ultramafic Rocks
-  Approximate Geologic Contact
-  PB-6 Sample Location
-  L-2 Seismic Refraction Line

Source: Topography and alignment by El Dorado County Department of Transportation, received February 2008.



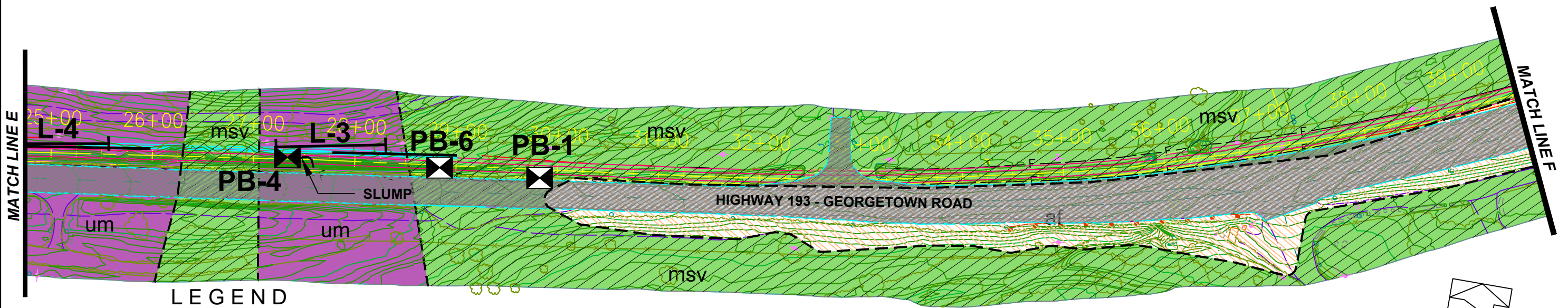
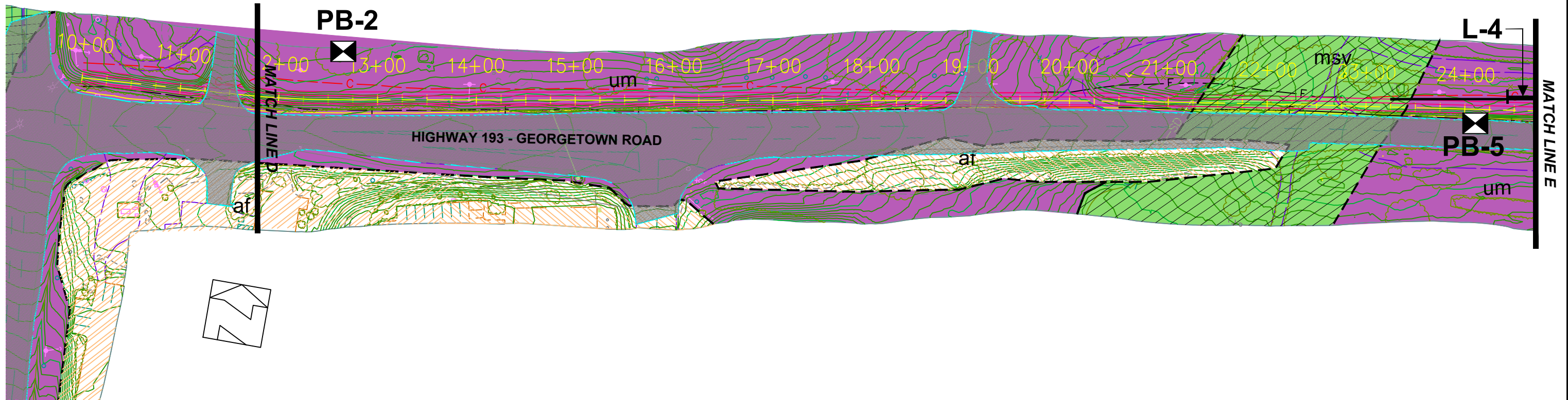
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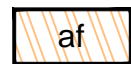

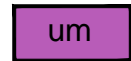

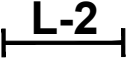
SCALE: 1" = 100'

File No. 1068.3
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Figure 5 Page 2 of 4

5/7/2012 - 1068.2 Northside School Bike Path Figure 5.dwg



LEGEND

-  *af* Artificial Fill
-  *msv* Metasedimentary & Metavolcanic Rock
-  *um* Ultramafic Rocks
-  **PB-6** Sample Location
-  **L-2** Seismic Refraction Line

 Approximate Geologic Contact

Source: Topography and alignment by El Dorado County Department of Transportation, received February 2008.

SCALE: 1" = 100'

5/7/2012 - 1068.3 Northside School Bike Path Figure 5.dwg

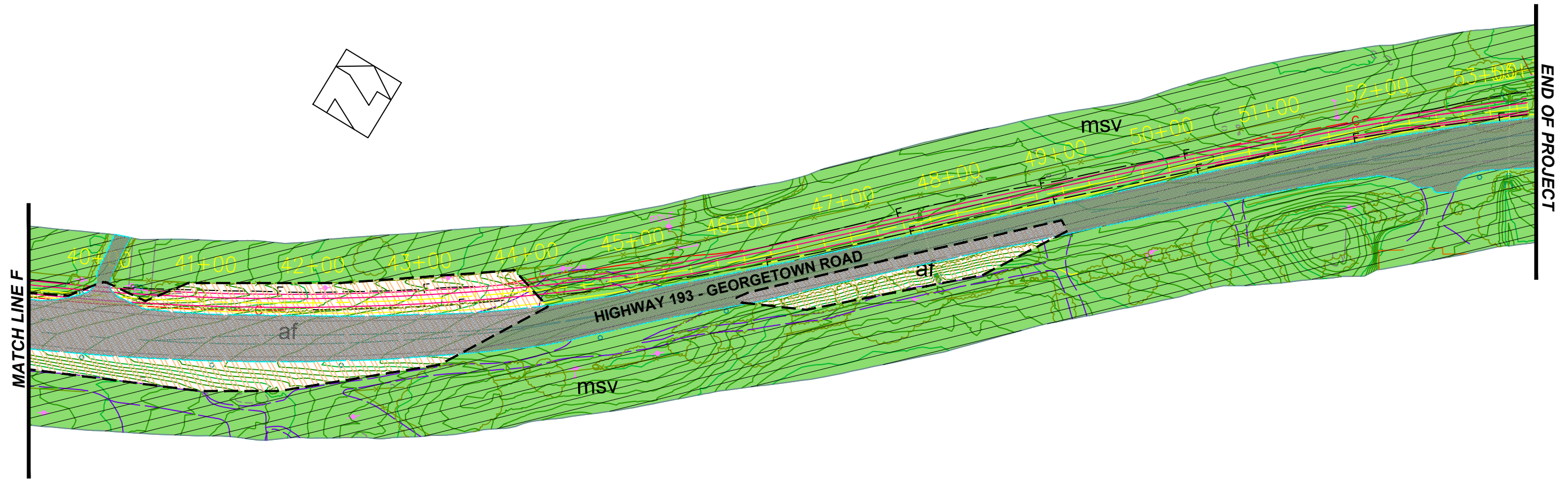


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 Auburn, CA 95603
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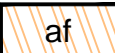
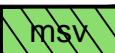
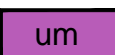


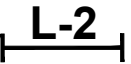
SITE PLAN
 Northside School Bike Path
 El Dorado County, California

File No. 1068.3
May 2012
Figure 5 Page 3 of 4

5/7/2012 - 1068.2 Northside School Bike Path Figure 5.dwg



LEGEND

-  Artificial Fill
-  Metasedimentary & Metavolcanic Rock
-  Ultramafic Rocks
-  Approximate Geologic Contact
-  Sample Location
-  Seismic Refraction Line

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SCALE: 1" = 100'



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