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# **Appendix E-4**

## Geotechnical Report Update 3



# UPDATE GEOTECHNICAL REPORT

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## PASEO MONTRIL SAN DIEGO, CALIFORNIA



**GEOCON**  
INCORPORATED

GEOTECHNICAL  
ENVIRONMENTAL  
MATERIALS

PREPARED FOR

**TRI POINTE HOMES  
SAN DIEGO, CALIFORNIA**

**FEBRUARY 22, 2021  
PROJECT NO. G2209-42-01**



Project No. G2209-42-01  
February 22, 2021

Tri Pointe Homes  
13400 Sabre Springs Parkway, Suite 200  
San Diego, California 92128

Attention: Ms. April Tornillo

Subject: UPDATE NO. 3 TO GEOTECHNICAL INVESTIGATION REPORT  
PASEO MONTRIL  
SAN DIEGO, CALIFORNIA

- Reference:
1. *Geotechnical Investigation, Paseo Montril, San Diego, California*, prepared by Geocon Incorporated, dated January 5, 2017 (Project No. G2209-42-01).
  2. *Update Geotechnical Report, Paseo Montril, San Diego, California*, prepared by Geocon Incorporated, dated March 2, 2020 (Project No. G2209-42-01).
  3. *Grading Plan, Paseo Montril VTM, SDP, PDP, CPA Rezone, NDP and Easement Vacation, P.T.S. Number 658273, I.O. Number 240076662, City of San Diego*, prepared by Civil Sense, Inc., February 19, 2021.

Dear Ms. Tornillo:

In accordance with the request of Civil Sense, Inc., we prepared this update to the referenced geotechnical investigation. Some modifications have been made to the development plans subsequent to issuing References 1 and 2. A revised geologic map utilizing a CAD file of Reference 3 as the base map is provided on Figure 1. Updated cross sections are provided on Figures 2 and 3.

Based on the referenced plan, the site will be graded to construct 5 multi-story multi-family apartment buildings. Retaining walls and slopes are planned along the perimeter of the property and in the interior of the property. A retaining wall with a height up to approximately 26 feet is planned on the north side of the site. A 2:1 (horizontal to vertical) cut slope with a height of approximately 35 feet will be constructed in the native bedrock above the wall. Retaining walls up to 20 feet high are planned around the perimeter of the property and a wall up to 10 feet is planned on the interior of the property between the upper and lower building pads. Fill slopes with an inclination of 2:1 and heights up to approximately 30 feet will also be constructed on the property.

Based on our review of the referenced plans, the recommendations contained in References 1 and 2 remain applicable to the design and construction of the project.


Should you have any questions regarding this letter, or if we may be of further service, please contact the undersigned at your convenience.

Very truly yours,

GEOCON INCORPORATED

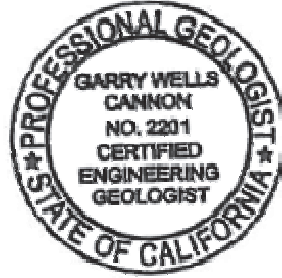
  
Rodney C. Mikesell  
GE 2533



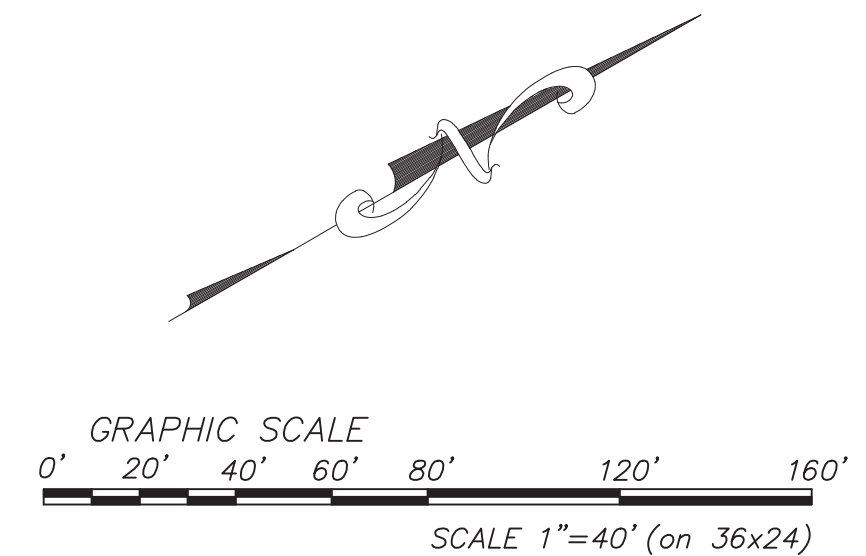
  
Garry W. Cannon  
CEG 2201  
RCE 56468

RCM:GWC:dmc

(e-mail) Addressee  
(e-mail) Civil Sense, Inc.  
Attention: Ms. Maykia Vang





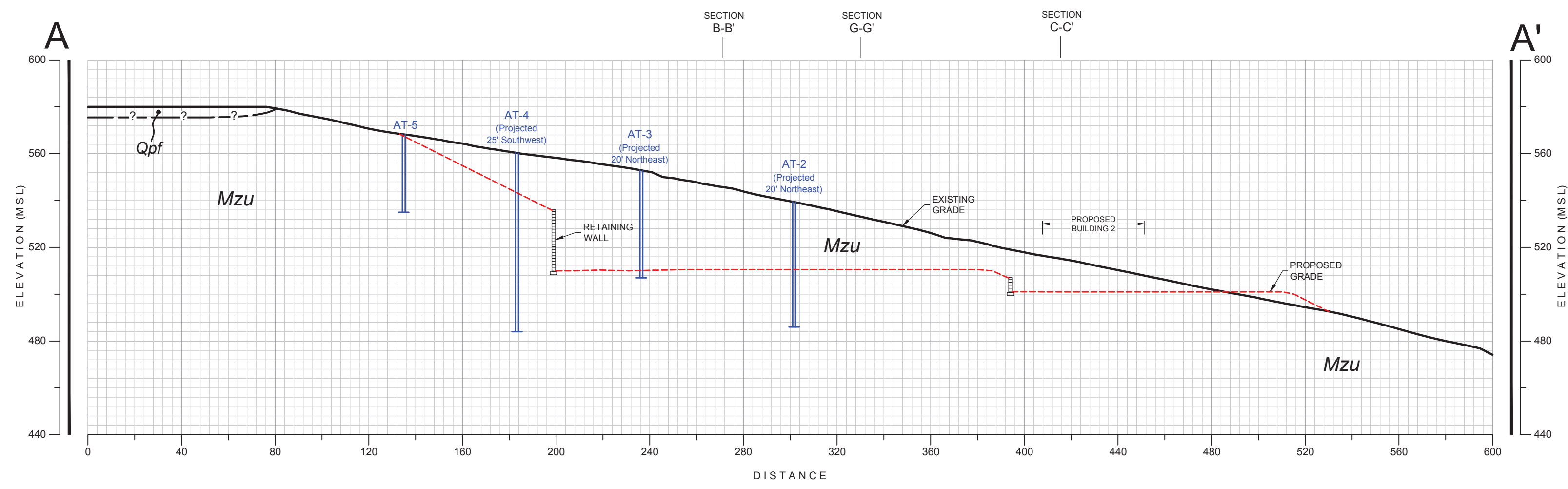


- GEOCON LEGEND**
- Qpf .....PREVIOUSLY PLACED FILL
  - Qal .....ALLUVIUM
  - Qudf .....UNDOCUMENTED FILL
  - Mzu .....METAMORPHIC ROCK
  - ~ ..... APPROX. LOCATION OF GEOLOGIC CONTACT  
(Queried Where Uncertain)
  - T-4 ..... APPROX. LOCATION OF TRENCH
  - AT-6 ..... APPROX. LOCATION OF AIR TRACK BORING
  - (+17) ..... APPROX. DEPTH TO BEDROCK
  - [15] ..... APPROX. DEPTH OF RIPPLE MATERIAL BASED ON  
PENETRATION RATE OF 20 SPF
  - 6 ..... APPROX. LOCATION OF GEOLOGIC CROSS SECTION

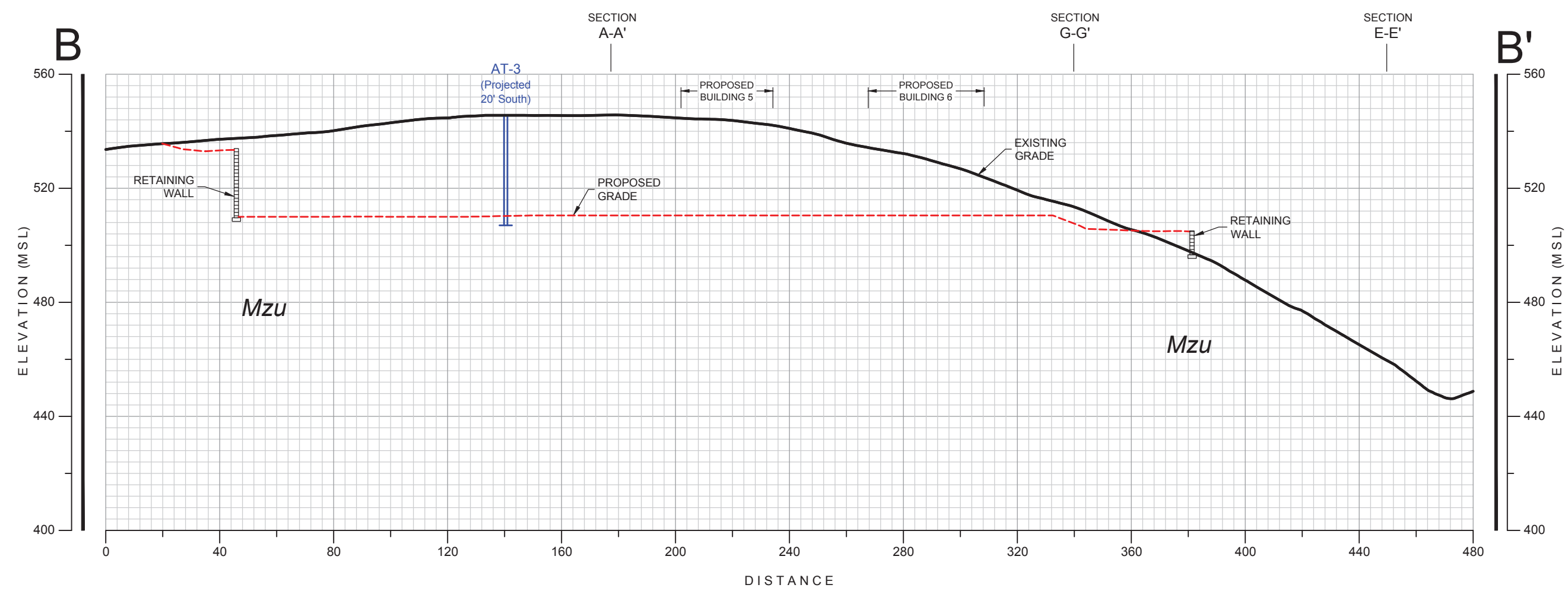
<b>GEOLOGIC MAP</b>		
PASEO MONTRIL SAN DIEGO, CALIFORNIA		
<b>GEOCON</b> INCORPORATED <small>GEOTECHNICAL ■ ENVIRONMENTAL ■ MATERIALS 6940 ANDERS DRIVE ■ SAN DIEGO, CALIFORNIA 92121-2974 PHONE 858.558.4900 ■ FAX 858.558.4159</small>	SCALE 1" = 40'	DATE 02 - 22 - 2021
PROJECT NO. G2209 - 42 - 01	FIGURE 1	
SHEET 1 OF 1		

Plotted G220921 7 29AM | By ALVIN LADRILLON | File Location: Y:\PROJECTS\G2209-42-01 (Paseo Montril)\SHEET\G2209-42-01 Geo Map 30.dwg

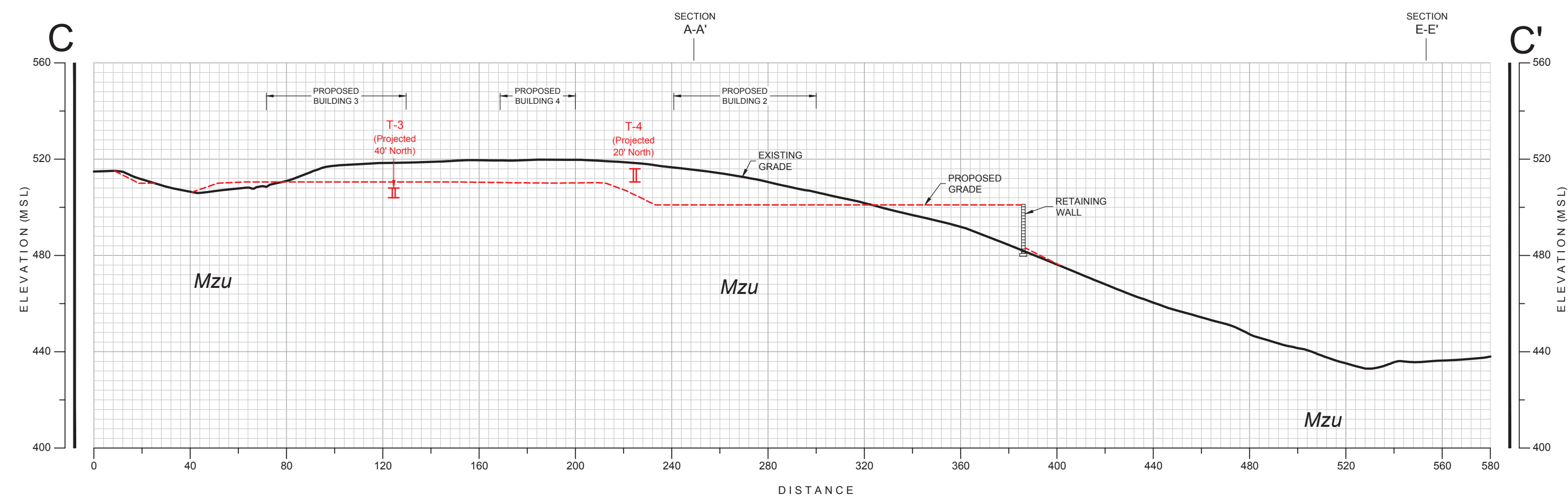




**GEOLOGIC CROSS-SECTION A-A'**  
SCALE: 1" = 40' (Vert. = Horiz.)



**GEOLOGIC CROSS-SECTION B-B'**  
SCALE: 1" = 40' (Vert. = Horiz.)

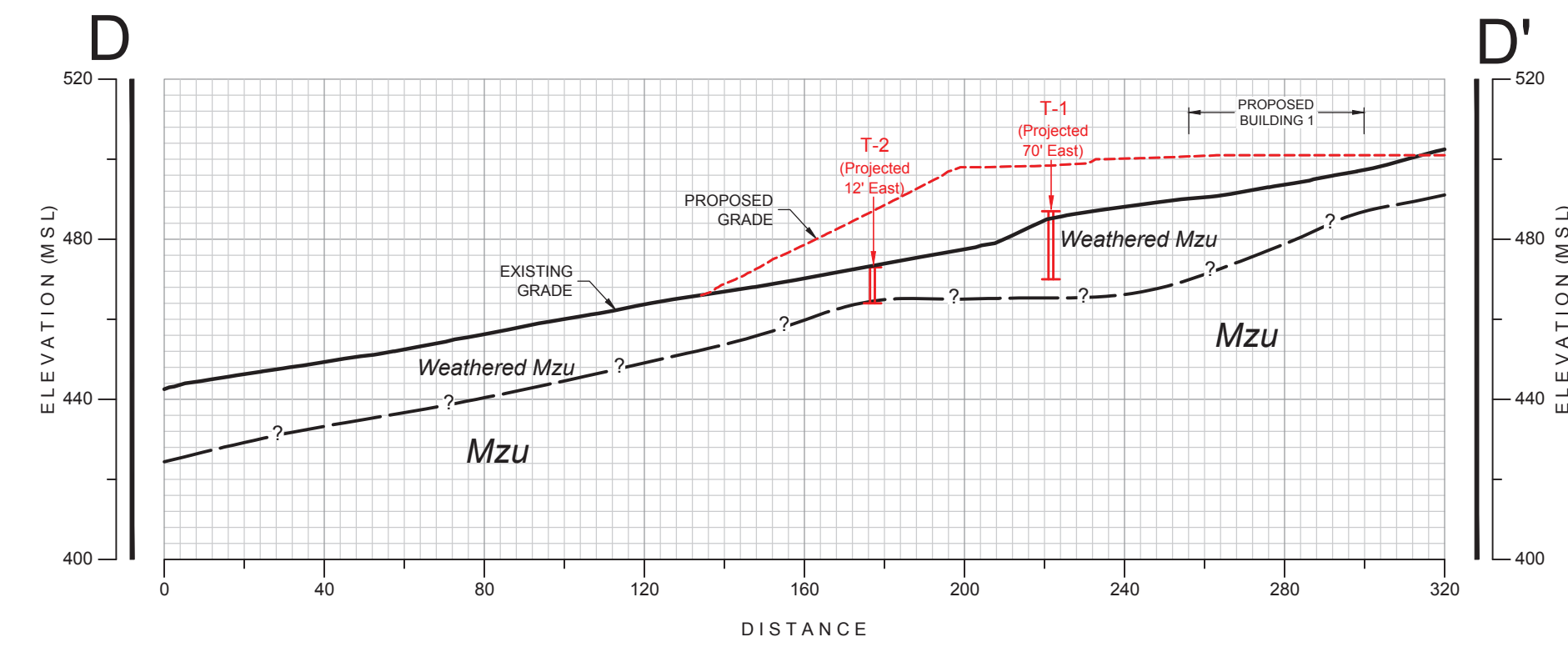


**GEOLOGIC CROSS-SECTION C-C'**  
SCALE: 1" = 40' (Vert. = Horiz.)

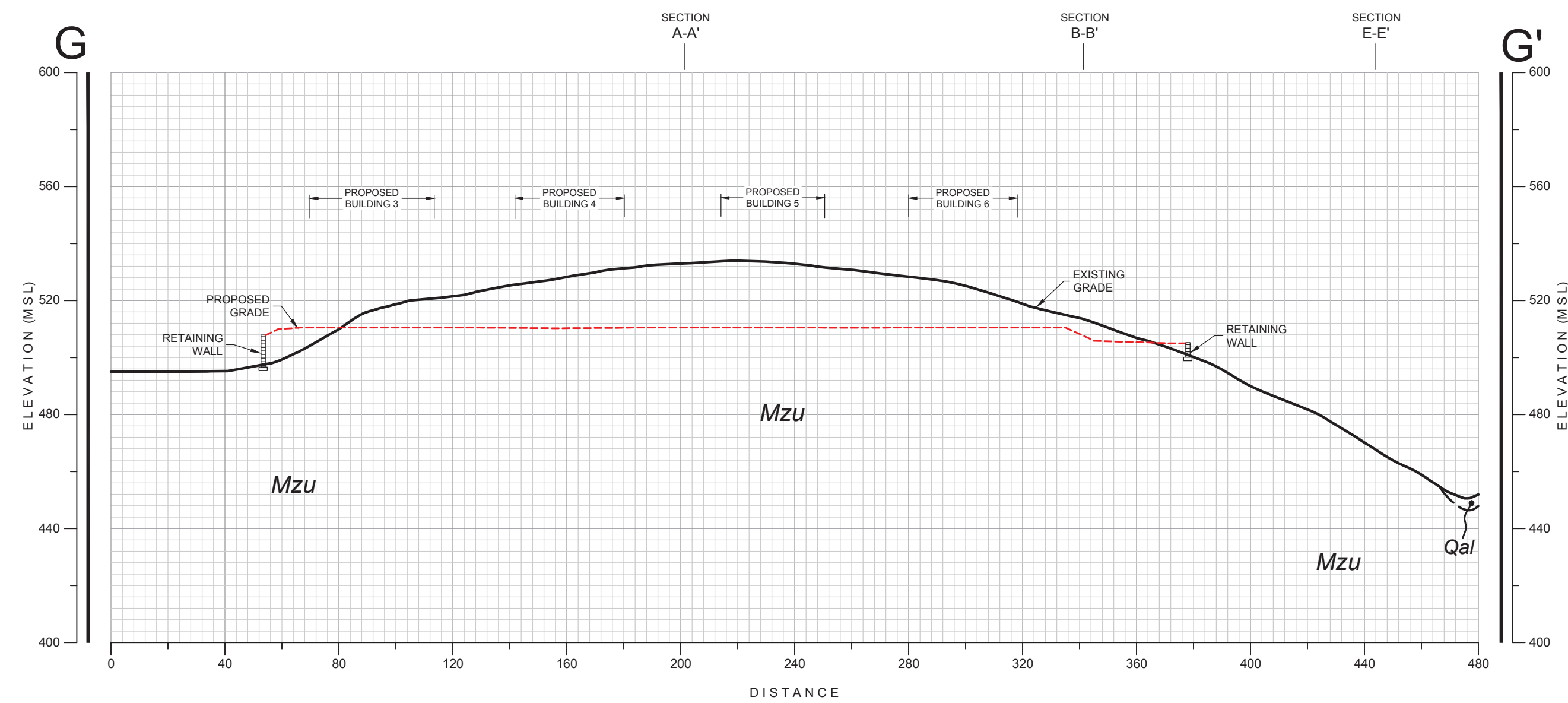
- GEOCON LEGEND**
- Qpf* ..... PREVIOUSLY PLACED FILL
  - Qal* ..... ALLUVIUM
  - Qudf* ..... UNDOCUMENTED FILL
  - Mzu* ..... METAMORPHIC ROCK
  - T-4 ..... APPROX. LOCATION OF TRENCH
  - AT-6 ..... APPROX. LOCATION OF AIR TRACK BORING
  - ~ ..... APPROX. LOCATION OF GEOLOGIC CONTACT (Queried Where Uncertain)

**GEOLOGIC CROSS SECTIONS**  
PASEO MONTRIL  
SAN DIEGO, CALIFORNIA

<b>GEOCON</b> INCORPORATED GEOTECHNICAL ■ ENVIRONMENTAL ■ MATERIALS 6940 RANDERS DRIVE ■ SAN DIEGO, CALIFORNIA 92121-2974 PHONE 858.558.4900 ■ FAX 858.558.6159	SCALE 1" = 40'	DATE 02 - 22 - 2021	FIGURE <b>2</b>
	PROJECT NO. G2209 - 42 - 01	SHEET 1 OF 2	



**GEOLOGIC CROSS-SECTION D-D'**  
SCALE: 1" = 40' (Vert. = Horiz.)



**GEOLOGIC CROSS-SECTION G-G'**  
SCALE: 1" = 40' (Vert. = Horiz.)

**GEOCON LEGEND**

- Qpf* .....PREVIOUSLY PLACED FILL
- Qal* .....ALLUVIUM
- Qudf* .....UNDOCUMENTED FILL
- Mzu* .....METAMORPHIC ROCK
- T-4 .....APPROX. LOCATION OF TRENCH
- AT-6 .....APPROX. LOCATION OF AIR TRACK BORING
- .....APPROX. LOCATION OF GEOLOGIC CONTACT (Queried Where Uncertain)

**GEOLOGIC CROSS SECTIONS**  
PASEO MONTRIL  
SAN DIEGO, CALIFORNIA

<b>GEOCON</b> INCORPORATED <small>GEO TECHNICAL ■ ENVIRONMENTAL ■ MATERIALS</small> <small>6940 SANDERS DRIVE ■ SAN DIEGO, CALIFORNIA 92121-2974</small> <small>PHONE 858.558.4900 ■ FAX 858.558.4159</small>	SCALE 1" = 40'	DATE 02 - 22 - 2021	
	PROJECT NO. G2209 - 42 - 01	FIGURE 3	
	SHEET 2	OF 2	