APPENDIX E.3

Geotechnical Letter

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August 20, 2021

Atlas No. 170446P4-6
Report No. 6

MR. CHARLES DELLINGER
RRM DESIGN GROUP
3765 S. HIGUERA SUITE 102
SAN LUIS OBISPO, CALIFORNIA 93401

Subject: Response to Geology Issues
Fairmount Avenue Fire Station
47th Street and Fairmount Avenue, San Diego, California

References:
1. SCST, LLC (2020), Updated Geotechnical Investigation, Fairmount Avenue Fire Station, 47th Street and Fairmount Avenue, San Diego, California, SCST No. 170446P4, Report No. 5, February 5.
2. Atlas Technical Consultants LLC (2020), Response to Geologic Comments, Fairmount Avenue Fire Station, 47th Street and Fairmount Avenue, San Diego, California, Atlas Project No. 170446P4, Report No. 2, July 21.
3. City of San Diego (2021), Cycle Issues, LDR-Geology, City of San Diego Project No. 645073, April 8.

Dear Mr. Dellinger:

Atlas Technical Consultants (formerly SCST) has prepared this letter to respond to geology issues provided April 8, 2021 from the City of San Diego for the subject project. Specifically, this letter addresses Issue Nos. 14 through 16. The City's review comments are presented in italics below. Our responses to the comments follow immediately thereafter.

RESPONSE TO CYCLE ISSUES

Issue No. 14: *New information indicates a 20" high-pressure gas main abuts the subject site. The project's geotechnical consultant must submit an addendum geotechnical report or update letter for the purpose of an environmental review that specifically addresses the proposed development plans and provide a conclusion regarding if the proposed development will surcharge or have an adverse effect on the gas main.*

Response: Based on the location of the current proposed building footprints relative to the location of the existing pipelines, the proposed building will not surcharge the gas main or have an adverse effect on the pipelines. However, we recommend that pavements in the vicinity of the proposed apron are designed to structurally span over the existing gas lines such that vehicular loading is transferred outside of the zone of influence. The zone of influence is defined as a 1½:1 (horizontal:vertical) projection upward from the outside edges of the pipelines. The project civil

engineer should design and detail the pavement in this area based on the anticipated vehicular loading.

Issue No. 15: *The project's geotechnical consultant should show the location of the high-pressure gas main on an updated site specific geologic/geotechnical map.*

Response: The 20-inch high-pressure gas main and 4-inch gas line are shown on the attached geotechnical map (Figure 1).

Issue No. 16: *The project's geotechnical consultant should show the location of the high-pressure gas main on updated representative geologic/geotechnical cross-sections.*

Response: The 20-inch high-pressure gas main and 4-inch gas line are shown on the attached cross section (Figure 2B).

If you have any questions, please call us at (619) 280-4321.

Respectfully submitted,
Atlas Technical Consultants LLC

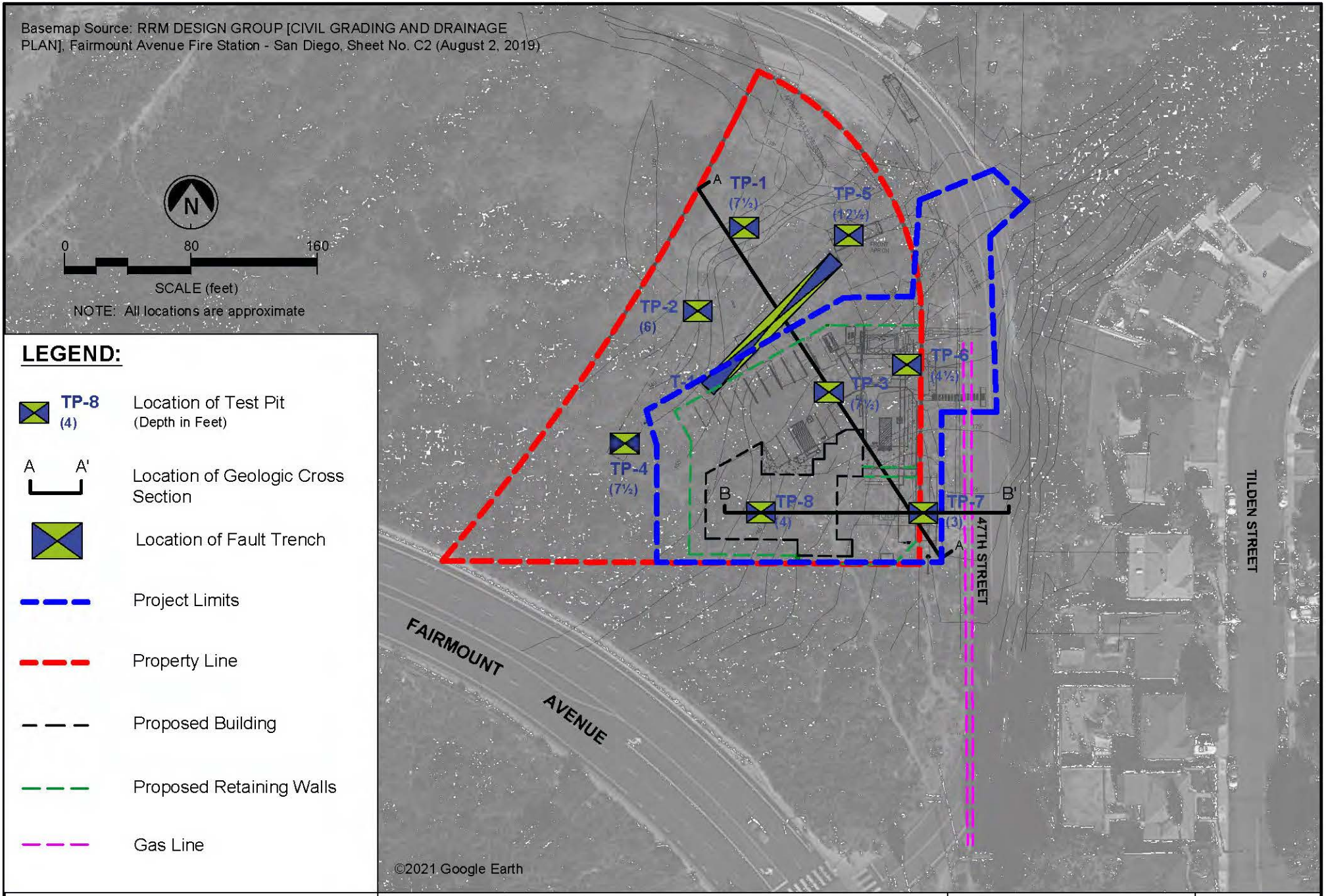
Gillian L. Carzzarella, PE C87787
Project Engineer

Andrew T. Guatelli, PE, GE 2320
Principal Engineer

GLC:AG:ds

Attachments: Figure 1 – Geotechnical Map
Figure 2A – Geologic Cross Section A-A'
Figure 2B – Geologic Cross Section B-B'

Distribution: Charles Dellinger at cadellinger@rrmdesign.com



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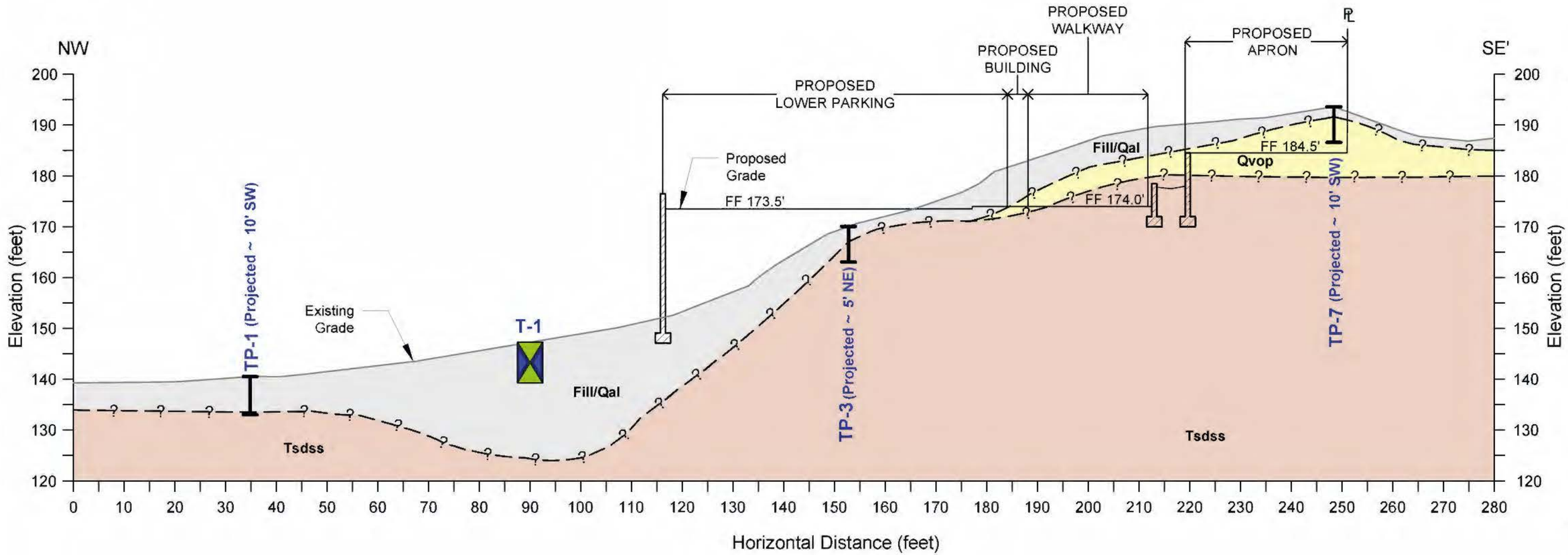
GEOTECHNICAL MAP

Fairmount Avenue Fire Station
San Diego, California

Date: August, 2021
By: NNW/ACF/AL
Job No.: 170446P4-6

Figure: 1

Basemap Source: RRM DESIGN GROUP [CIVIL GRADING AND DRAINAGE PLAN], Fairmount Avenue Fire Station - San Diego, Sheet No. C2 (August 2, 2019)



LEGEND:

TP-7 — Location of Test Pit

Location of Proposed Retaining Wall

Fill/Qal — Fill/alluvium

Tsdss — San Diego Formation, marine sandstone

Qvop — Very old paralic deposits, undivided (middle to early Pleistocene)

—?—?— Geologic Contact, Queried Where Uncertain

T-1 — Location of Fault Trench

NOTE: All locations and depths are approximate.

SCALE 1" = 20'

Date: August, 2021
By: MAW/NNW/AL
Job No.: 170446P4-6

GEOLOGIC CROSS-SECTION A-A'
Fairmount Avenue Fire Station
San Diego, California

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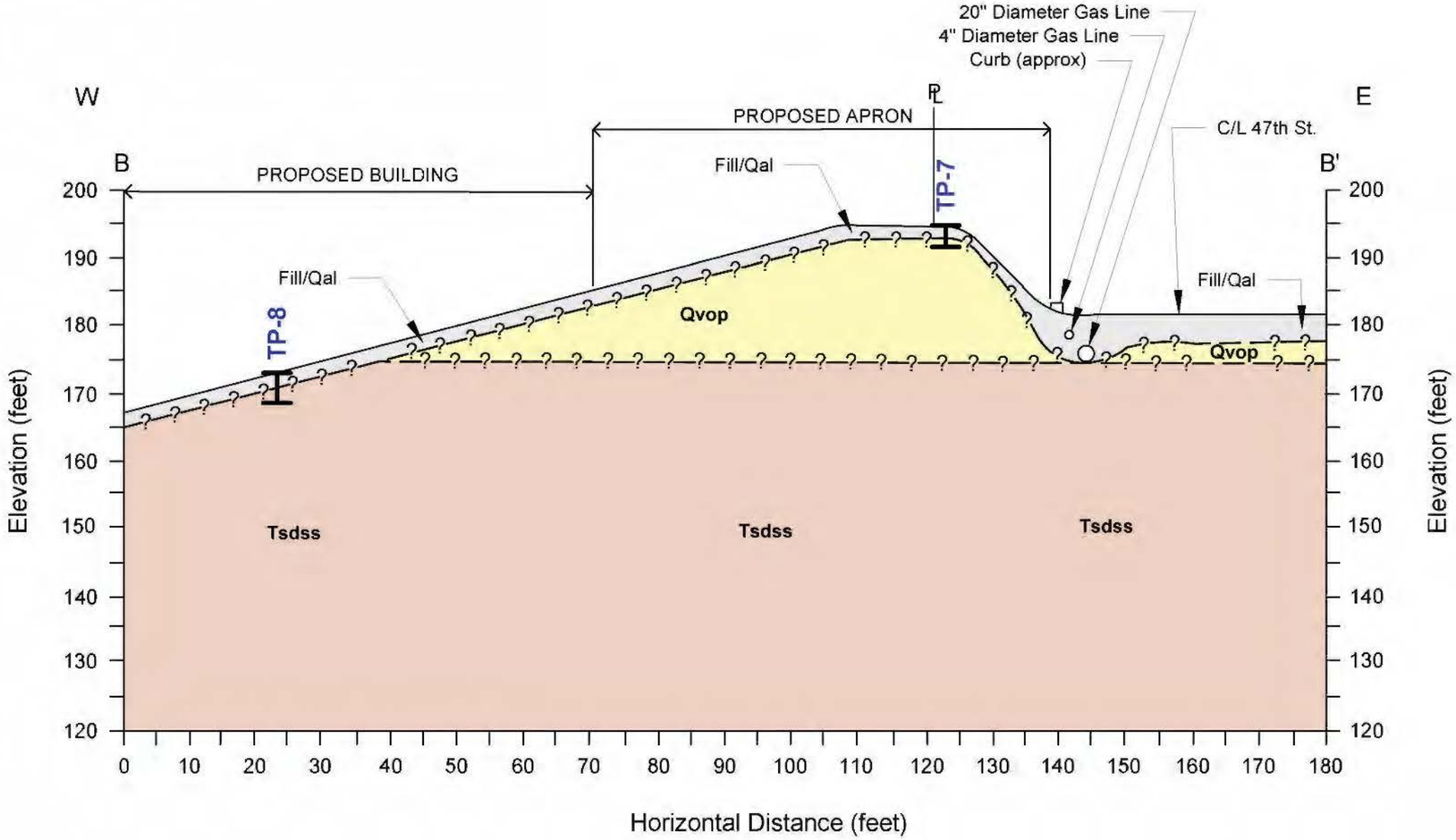
Figure:
2A

Basemap Source: RRM DESIGN GROUP [CIVIL GRADING AND DRAINAGE PLAN], Fairmount Avenue Fire Station - San Diego, Sheet No. C2 (August 2, 2019)



LEGEND:

TP-8 — Location of Test Pit

—?—?— Geologic Contact, Queried Where Uncertain

Fill/Qal — Fill/alluvium

Tsdss — San Diego Formation, marine sandstone

Qvop — Very old paralic deposits, undivided (middle to early Pleistocene)

NOTE: All locations and depths are approximate.

SCALE 1" = 20'

Date: August, 2021
By: MAW/NNW/AL
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GEOLOGIC CROSS-SECTION B-B'
Fairmount Avenue Fire Station
San Diego, California

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Figure:
2B