



Sladden Engineering

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August 5, 2025

Project No. 644-24039
25-07-050

Dosner Organic Farms
6480 Corvette Street
Commerce, California 90040

Project: Proposed Tenant Improvements
Dosner Organic Farms
NWC Latham Avenue & Gilbert Street
Hemet, California

Subject: Response to City of Hemet Public Works Department – Engineering Division;
Peer Review Comments for Proposed Dosner Organic Farms Warehouse,
Sladden June 13, 2025 Project No. 644-24039 – 1st Review of July 10, 2025.

Reference: “Geotechnical Investigation, Proposed Tenant Improvements, Dosner Organic Farms,
NWC Latham Avenue & Gilbert Street Hemet, California”; Project No. 644-24039, Report
No. 25-06-038, Prepared by Sladden Engineering, dated June 13, 2025.

Sladden Engineering (Sladden) is pleased to submit our responses to the City of Hemet Public Works Department-Engineering Division Peer Review Comments. The information contained in this letter is intended to supplement the information presented in the geotechnical report referenced above. The review sheet prepared by the City of Hemet Public Works Department – Engineering Division is attached. Each comment is presented below followed by our response.

Comment 1:

It appears that a basin will be constructed onsite as per the Site Plan. Please provide percolation testing as needed.

Response 1:

A previously prepared Infiltration Testing for On-Site Stormwater Management report by Sladden Engineering (2024) is attached for reference.

Comment 2:

The report indicates Dry Sand Settlement as a heading on this page; however, no discussion of dry sand settlement is provided. As dry sand settlement is a concern in the San Jacinto Valley, and boring logs indicate densities, blow counts, and soil types that could be susceptible to dry seismic settlement, a quantitative analysis should be conducted and presented to estimate the seismic total and differential settlement, and provide design recommendations for foundations and the resultant total settlement (static and seismic), including differential.

Response 2:

We have performed seismic settlement calculations utilizing a factor of Safety of 1.1, a magnitude of 7.2 and the site-specific peak ground acceleration developed for the project (PGAm = 0.906). Historic high and anticipated high groundwater depths were determined to be greater than 51 feet below the existing ground surface (CDWR, 2025). Calculations indicate potential total seismic settlements of up to 6.37 inches for BH-1, 9.38 for BH-2 and 8.35 inches for BH-6. The potential seismically related differential settlements are expected to be less than approximately 3.0 inches. Based upon the general uniformity of the soil and groundwater conditions underlying the site, we expect the maximum differential settlement to occur over a horizontal distance of approximately 100 feet. The current plans indicate the project will consist of a loading dock addition to the existing building along with various renovations to the existing building. The risks associated with potential seismic settlements cannot be reasonably mitigated for the existing building but should be considered in the design of the proposed loading dock addition. The seismic settlement calculations are included within Appendix D of the attached revised Geotechnical Investigation report.

Comment 3:

Recommendations for potential slope grading/compaction are not provided for basins when it appears that a basin will be constructed onsite as per the Site Plan. Please provide.

Response 3:

The proposed on-site stormwater retention basin will have approximately 4 to 1 side slopes with an approximate depth of 2 feet. As such, slope stability should not be a significant concern. However, the slopes may be susceptible to erosion. The side slopes should be vegetated to limit erosion. No compaction is recommended within the basin area. The basin floor shall remain in its native, uncompacted condition to maintain the natural infiltration capacity.

Comment 4:

Recommendations for potential pole/pier foundations are not provided. As the proposed use is for a warehouse building, likely with light standards to be used, please provide design recommendations, or confirm no light standards will be used.

Response 4:

Sladden has reviewed the provided lighting plans and details. Based on this review, it is our opinion that the code-based design values utilized are appropriately conservative for use on this project. The lighting plans and details are attached for your reference.

Comment 5:

It shown on the site plan that below grade walls/dock high access may be used. Please provide seismic lateral earth pressures for design use on walls over 6 feet in height or confirm that no below grade walls will be utilized or none will be over 6 feet in retained height.

Response 5:

No retaining walls exceeding 6 feet in height are proposed for this project. The maximum retained height of the below-grade walls will be approximately 4 feet 6 inches (4' - 6"). Therefore, the design parameters and recommendations provided in the Geotechnical Investigation report prepared by Sladden (2025) remain applicable.

Comment 6:

The consultant should review the project grading and foundation plans to confirm compliance with their recommendations and design intent, as well confirm the requirements of the City of Hemet Standards and Manuals are, at a minimum, met.

Response 6:

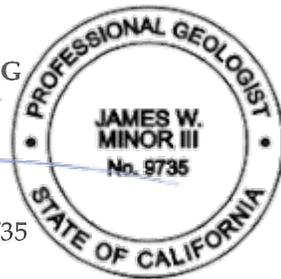
In accordance with building department requirements, Sladden has reviewed the foundation plans and details and provided the requested registered professional signature and stamp on the plans.

Sladden Engineering appreciates this opportunity to be of continued service to you on this project. If you have any questions regarding this memo or the referenced reports, please contact the undersigned.

Respectfully submitted,
SLADDEN ENGINEERING



James W. Minor III, P.G. 9735
Senior Geologist



Brett L. Anderson, R.C.E. 45389
Principal Engineer



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INFILTRATION TESTING FOR ON-SITE STORMWATER MANAGEMENT REPORT



Sladden Engineering

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September 11, 2024

Project No. 644-24039
24-09-077

Dosner Organic Farms
6480 Corvette Street
Commerce, California 90040

Project: Proposed Organic Herb Packing House
Dosner Organic Farms
NWC Latham Avenue and Gilbert Street
Hemet, California

Subject: Infiltration Testing for On-Site Stormwater Management

In accordance with your request, we have performed infiltration testing on the subject site to evaluate the infiltration potential of the near surface soil to assist in stormwater management system design. The infiltration rates determined by testing should be useful in the assessment of on-site stormwater management needs. The approximate locations of the tests are indicated on the attached Exploration Location Plan (Figure 2).

Infiltration testing was performed on September 11, 2024 utilizing double ring infiltrometers. The tests were performed at a depth of approximately 4.0 feet below the existing ground surface. The soil conditions encountered within the test locations consisted of silty sand (SM). Testing was performed in general accordance with the *Standard Test Method for Infiltration Rate of Soils in Field Using Double-Ring Infiltrometer* (ASTM D-3385).

INFILTRATION TEST RESULTS

Test Location No.	Depth Below Existing Ground Surface (ft)	Infiltration Rate (in/hr)
DR-1	4.0	4.2
DR-2	4.0	4.9

The rates determined represent ultimate rates and an appropriate safety factor should be incorporated into the design to account for long-term saturation and potential "silting" of the surface soil. The safety factor should be determined with consideration to other factors considered in the storm water retention system design (specifically stormwater volume estimates) and the safety factors associated with the related design components.

September 11, 2024

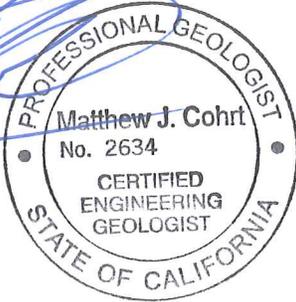
-2-

Project No. 644-24039
24-09-077

If you have any questions regarding this memo or the testing summarized herein, please contact the undersigned.

Respectfully submitted,
SLADDEN ENGINEERING


Matthew J. Cohrt
Principal Geologist



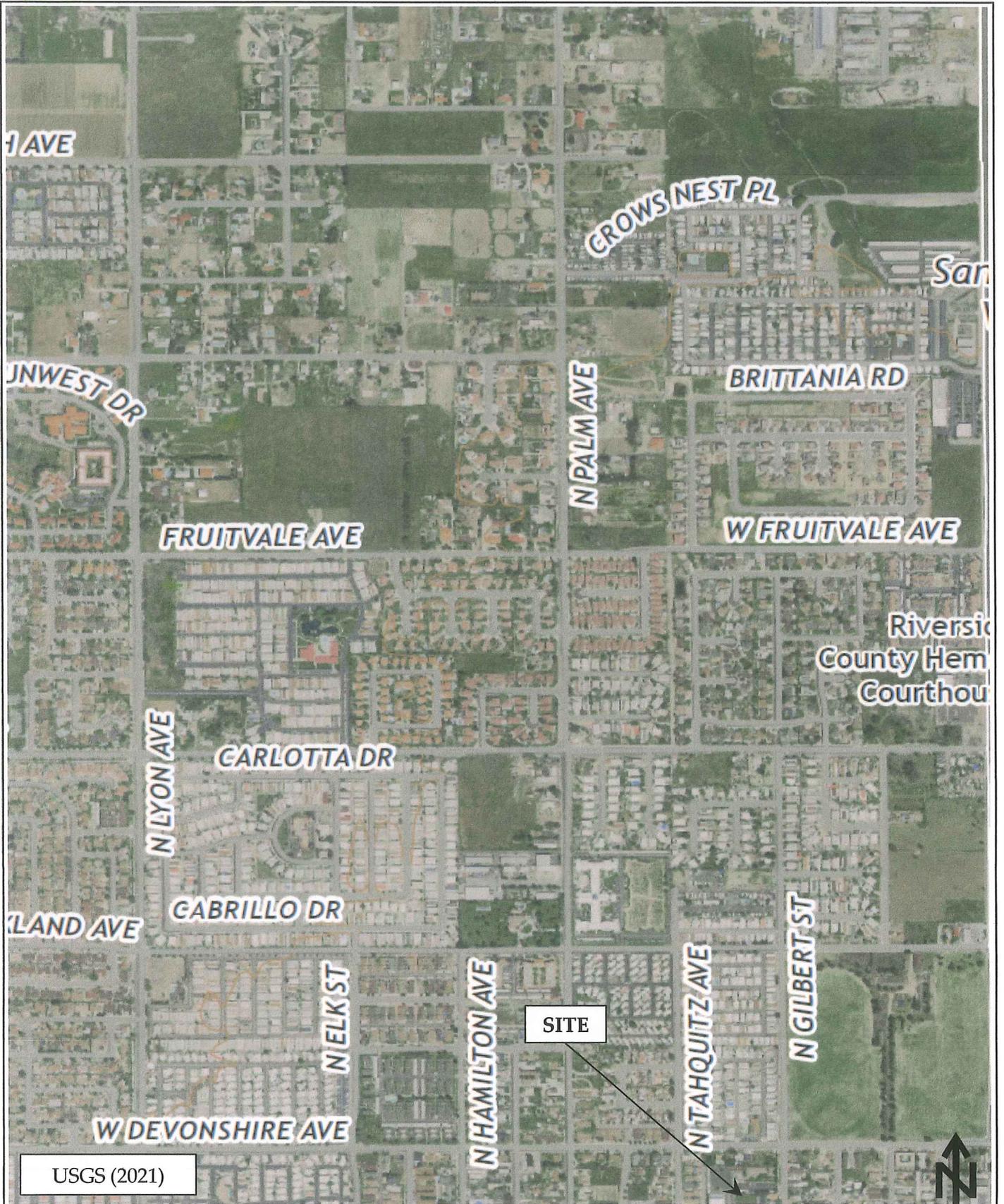
The seal is circular with the text "PROFESSIONAL GEOLOGIST" at the top and "STATE OF CALIFORNIA" at the bottom. In the center, it reads "Matthew J. Cohrt", "No. 2634", and "CERTIFIED ENGINEERING GEOLOGIST".


Brett L. Anderson
Principal Engineer



The seal is circular with the text "REGISTERED PROFESSIONAL ENGINEER" at the top and "STATE OF CALIFORNIA" at the bottom. In the center, it reads "BRETT L. ANDERSON", "No. CA5389", and "CIVIL ENGINEERING".

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USGS (2021)



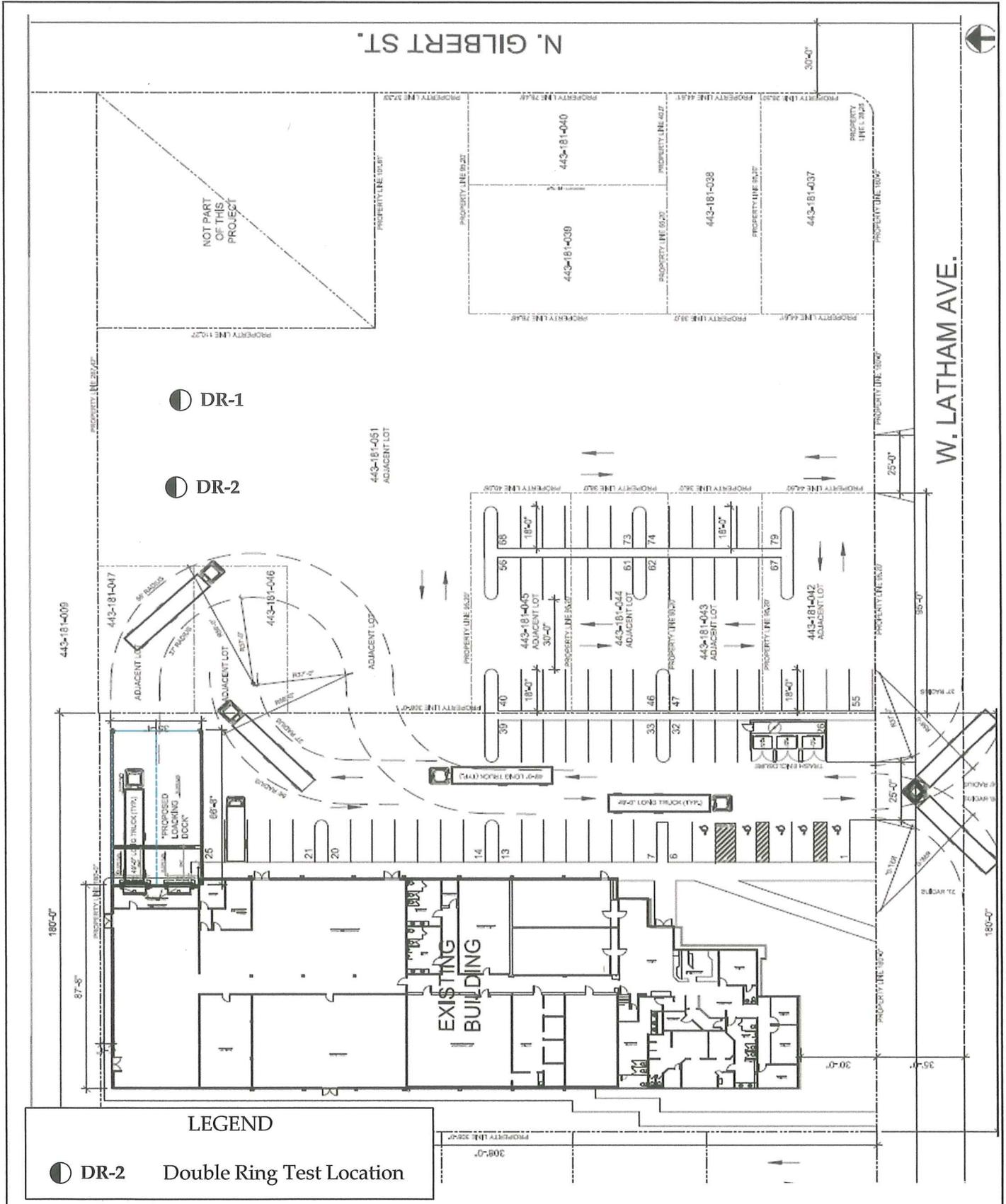
Sladden Engineering

SITE LOCATION MAP

Project Number:	644-24039
Report Number:	24-09-077
Date:	September 11, 2024

FIGURE

1



Sladden Engineering

EXPLORATION LOCATION PLAN

Project Number:	644-24039
Report Number:	24-09-077
Date:	September 11, 2024

FIGURE

2

APPENDIX A

TEST PIT LOGS

DOUBLE-RING TESTING DATA SHEETS

LOG OF TRENCH: TP – 1 / DR-1

Soil Interval Depth (Feet bgs)	Soil Sample Designation	Soil Sample Depth (Feet bgs)	SOIL DESCRIPTION
0.0-1.0			Silt Sand (SM); light olive brown, dry, fine-grained with organics (Disturbed).
1.0-4.0			Silty Sand (SM); light olive brown to grayish brown, dry to slightly moist, fine-grained (Qal).
			<p>Test Pit Terminated at ~4.0 Feet bgs. No Bedrock Encountered. No Groundwater or Seepage Encountered</p>

GRAPHIC REPRESENTATION

SCALE: N/A

BEARING: $\overleftarrow{270}$

WALL: North



Test Pit Number: TP-1 / DR-1	Date: 9/11/2024	Sladden Engineering
Elevation: 1580 Ft. MSL	Equipment: John Deere 30	Project: Latham Ave. & Gilbert St.
Site Lat/Long: 33.7501/-116.9767	Logged By: M. Cohrt	Project No.: 644-24039

LOG OF TRENCH: TP – 2 / DR-2

Soil Interval Depth (Feet bgs)	Soil Sample Designation	Soil Sample Depth (Feet bgs)	SOIL DESCRIPTION
0.0-0.75			Silt Sand (SM); light olive brown, dry, fine-grained with organics (Disturbed).
0.75-4.0			Silty Sand (SM); light olive brown to grayish brown, dry to slightly moist, fine-grained (Qal). Test Pit Terminated at ~4.0 Feet bgs. No Bedrock Encountered. No Groundwater or Seepage Encountered

GRAPHIC REPRESENTATION

SCALE: N/A

BEARING: $\overleftarrow{270}$

WALL: North



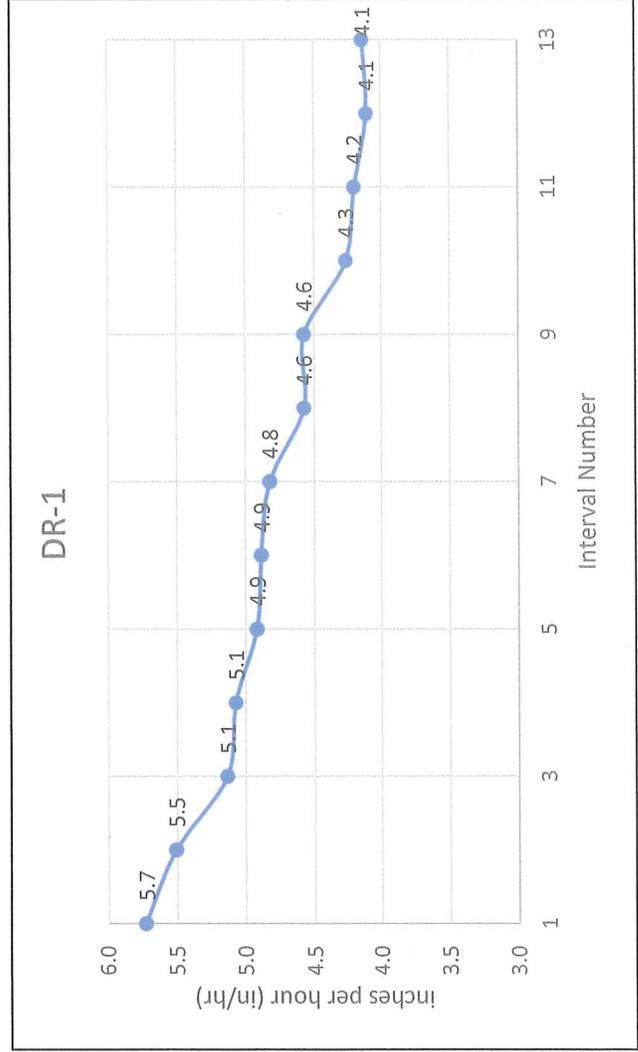
Test Pit Number: TP-2 / DR-2	Date: 9/11/2024	Sladden Engineering
Elevation: 1580 Ft. MSL	Equipment: John Deere 30	Project: Latham Ave. & Gilbert St.
Site Lat/Long: 33.7501/-116.9767	Logged By: M. Cohrt	Project No.: 644-24039

DOUBLE RING INFILTRATION RATE CALCULATIONS

INNER RING

Interval Number	Initial Water(cm)	Final Water(cm)	Con. Factor (cm to in)	Water (in)	Area Mar. (in ²)	Volume (in ³)	Area IR (in ²)	Time (min)	Time (hr)	Vir (in/hr)
1	46.5	28.1	0.39	7.2	8.9	64.8	113.1	6	0.10	5.7
2	43.9	26.2	0.39	7.0	8.9	62.3	113.1	6	0.10	5.5
3	44.4	27.9	0.39	6.5	8.9	58.1	113.1	6	0.10	5.1
4	44.3	28.0	0.39	6.4	8.9	57.4	113.1	6	0.10	5.1
5	43.9	28.1	0.39	6.2	8.9	55.6	113.1	6	0.10	4.9
6	42.9	27.2	0.39	6.2	8.9	55.3	113.1	6	0.10	4.9
7	44.4	28.9	0.39	6.1	8.9	54.6	113.1	6	0.10	4.8
8	44.6	29.9	0.39	5.8	8.9	51.8	113.1	6	0.10	4.6
9	43.3	28.6	0.39	5.8	8.9	51.8	113.1	6	0.10	4.6
10	42.9	29.2	0.39	5.4	8.9	48.2	113.1	6	0.10	4.3
11	46.5	33.0	0.39	5.3	8.9	47.5	113.1	6	0.10	4.2
12	33.0	19.8	0.39	5.2	8.9	46.5	113.1	6	0.10	4.1
13	19.8	6.5	0.39	5.2	8.9	46.8	113.1	6	0.10	4.1

AVERAGE RATE* = 4.2 (in/hr)



DOUBLE RING INFILTRATION RATE CALCULATIONS

INNER RING

Interval Number	Initial Water(cm)	Final Water(cm)	Con. Factor (cm to in)	Water (in)	Area Mar. (in ²)	Volume (in ³)	Area IR (in ²)	Time (min)	Time (hr)	Vir (in/hr)
1	48.1	12.9	0.39	13.9	8.9	123.9	113.1	8	0.13	8.2
2	48.4	21.7	0.39	10.5	8.9	94.0	113.1	8	0.13	6.2
3	48.3	25.6	0.39	8.9	8.9	79.9	113.1	8	0.13	5.3
4	48.8	27.1	0.39	8.5	8.9	76.4	113.1	8	0.13	5.1
5	48.0	28.1	0.39	7.8	8.9	70.1	113.1	8	0.13	4.6
6	49.2	26.6	0.39	8.9	8.9	79.6	113.1	8	0.13	5.3
7	47.9	27.9	0.39	7.9	8.9	70.4	113.1	8	0.13	4.7
8	47.8	27.4	0.39	8.0	8.9	71.8	113.1	8	0.13	4.8
9										
10										
11										
12										
13										

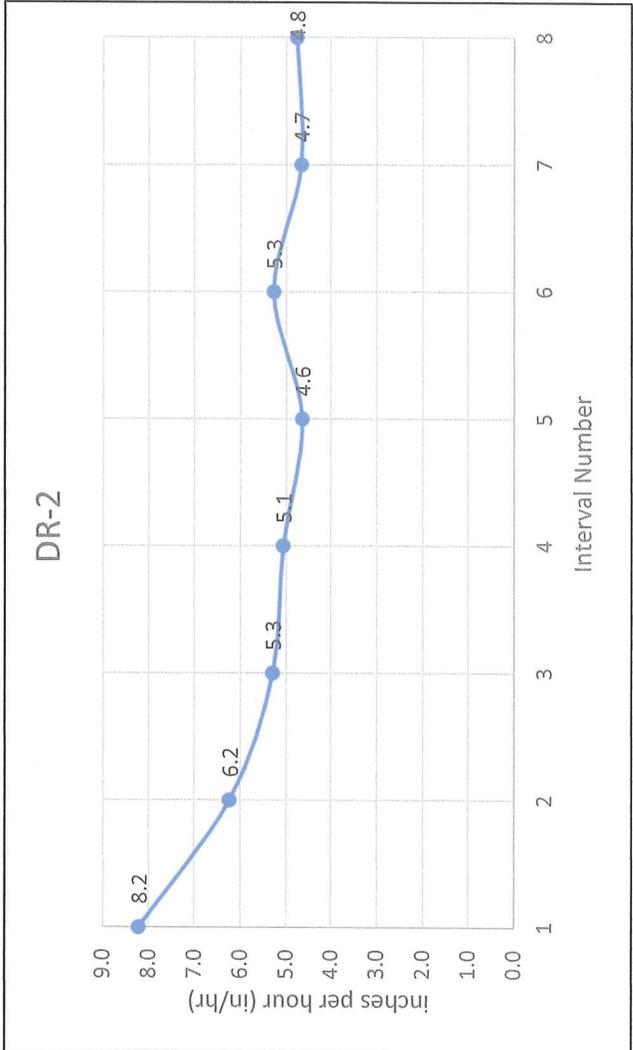
Job No.: 644-24039

Test Hole: DR-2

Depth (Ft.): 4

Date: 9/11/2024

AVERAGE RATE* = 4.9 (in/hr)



REVISED GEOTECHNICAL INVESTIGATION REPORT



**Sladden
Engineering**

GEOTECHNICAL INVESTIGATION
PROPOSED TENTANT IMPROVEMENTS
DOSNER ORGANIC FARMS
NWC LATHAM AVENUE & GILBERT STREET
HEMET, CALIFORNIA

-Prepared By-

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June 13, 2025
(Revised August 1, 2025)

Project No. 644-24039
25-06-038

Dosner Organic Farms
6480 Corvette Street
Commerce, California 90040

Subject: Geotechnical Investigation

Project: Proposed Tenant Improvements
Dosner Organic Farms
NWC Latham Avenue & Gilbert Street
Hemet, California

Sladden Engineering is pleased to present the results of the geotechnical investigation performed for the tentant improvements proposed for the Dosner Organic Farms facility located on the northwest corner of Latham Avenue and Gilbert Street in the City of Hemet, California. Our services were completed in accordance with our proposal for geotechnical engineering services dated April 4, 2025, and your authorization to proceed with the work. The purpose of our investigation was to explore the subsurface conditions at the site to provide recommendations for foundation design and the design of the various site improvements. The evaluation of environmental issues and hazardous waste are not included within the scope of services provided.

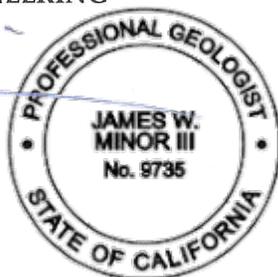
The opinions, recommendations and design criteria presented in this report are based on our field exploration program, laboratory testing and engineering analyses. Based on the results of our investigation, it is our professional opinion that the proposed project should be feasible from a geotechnical perspective provided that the recommendations presented in this report are implemented in design and carried out through construction.

We appreciate the opportunity to provide services to you on this project. If you have any questions regarding this report, please contact the undersigned.

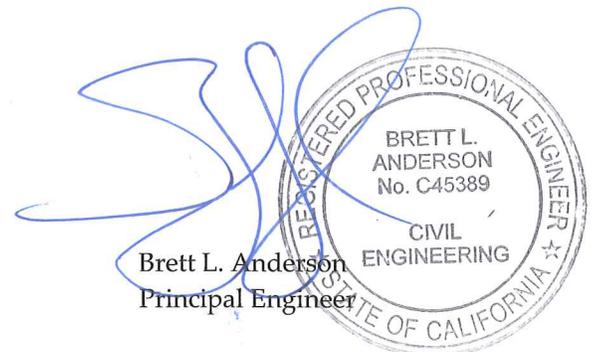
Respectfully submitted,
SLADDEN ENGINEERING

James W. Minor III
Principal Geologist

SER/jm



Brett L. Anderson
Principal Engineer



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GEOTECHNICAL INVESTIGATION
 PROPOSED TENANT IMPROVEMENTS
 DOSNER ORGANIC FARMS
 NWC LATHAM AVENUE & GILBERT STREET
 HEMET, CALIFORNIA

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INTRODUCTION

This report presents the results of the geotechnical investigation performed by Sladden Engineering (Sladden) for the tentant improvements proposed for the Dosner Organic Farms facility located on the northwest corner of Latham Avenue and Gilbert Street in the City of Hemet, California. The site is located at approximately 33.7498 degrees north latitude and 116.9767 degrees west longitude. The approximate location of the site is indicated on the Site Location Map (Figure 1).

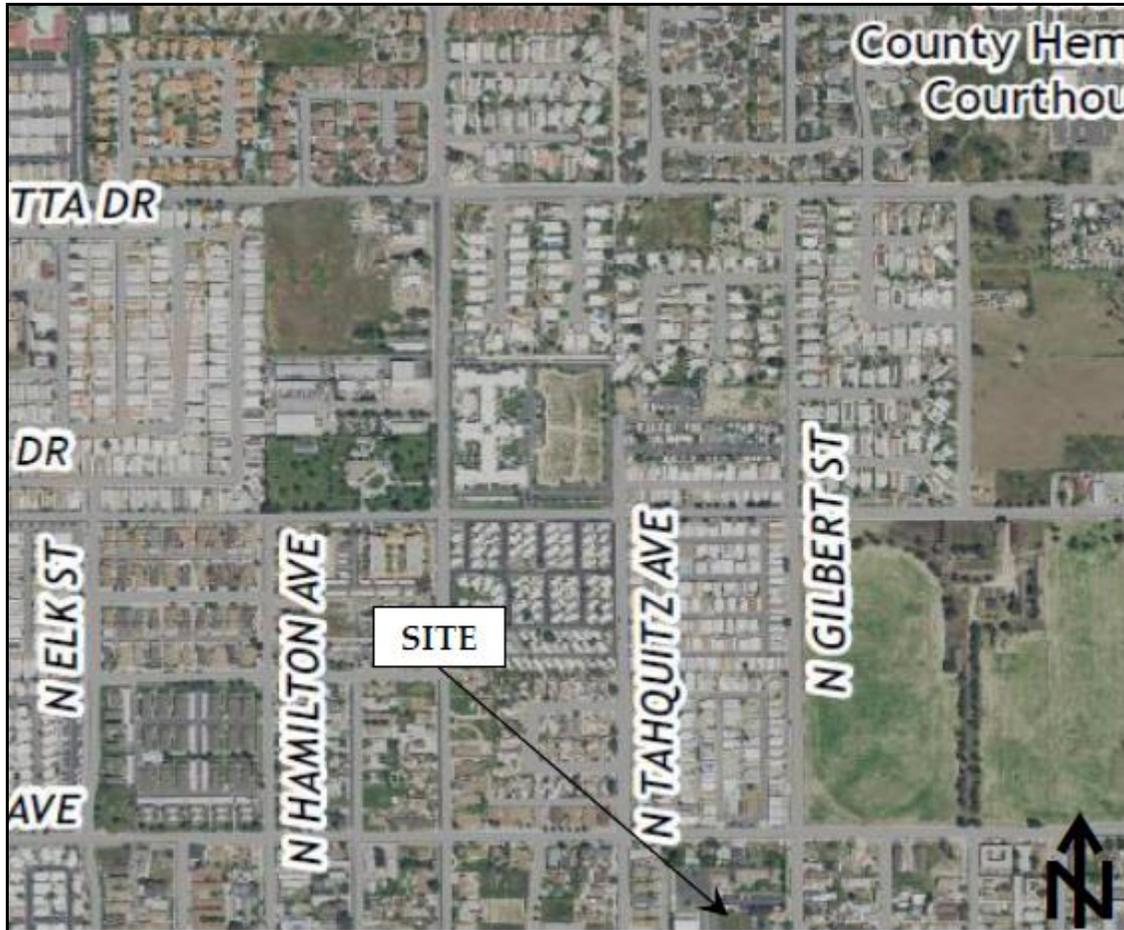


Figure 1 (USGS, 2015)

Our investigation was conducted to evaluate the engineering properties of the subsurface materials, to evaluate their *in-situ* characteristics, and to provide engineering recommendations and design criteria for site preparation, foundation design and the design of various site improvements. This study also includes a review of published and unpublished geotechnical and geological literature regarding seismicity at and near the subject site.

PROJECT DESCRIPTION

Based on the provided plans (Herron + Rumansoff, 2025), the project will consist of tenant improvements to the Dosner Organic Farms facility that includes a new loading dock at the northern end of the existing facility building. Underground utilities, paved parking areas, concrete flatwork, landscape areas, and various associated improvements are also anticipated. For our analysis we expect that any proposed buildings will consist of relatively lightweight wood-frame, light-gauge steel-frame or reinforced masonry structures supported on conventional shallow spread footings and concrete slabs on grade.

Based on the relatively level nature of the site, Sladden expects that grading will be limited to minor cuts and fills to accomplish the desired surface elevations and provide adequate gradients for site drainage. This does not include the removal and re-compaction of the loose surface soil and primary foundation-bearing soil within any proposed building and foundation areas. Upon completion of the precise grading plans, Sladden should be retained to verify that the recommendations presented within this report are properly incorporated into the design of the proposed project

Structural foundation loads were not available at the time of this report. Based on our experience with relatively lightweight commercial structures, we expect that isolated column loads will be less than 30 kips and continuous wall loads will be less than 3.0 kips per linear foot. If these actual loads vary significantly from the assumed loads, we should be consulted to verify the applicability of the recommendations provided.

SCOPE OF SERVICES

The purpose of our investigation was to determine specific engineering characteristics of the surface and near-surface soil to develop foundation design criteria and recommendations for site preparation. Specifically, our site characterization consisted of the following tasks:

- Site reconnaissance to assess the existing surface conditions on and adjacent to the site.
- Drilling six (6) exploratory boreholes to depths ranging from approximately 11 to 51 feet bgs to characterize the subsurface soil conditions. Representative samples of the soil were classified in the field and retained for laboratory testing and engineering analyses.
- Performing laboratory testing on selected samples to evaluate their engineering characteristics.
- Reviewing geologic literature and discussing geologic hazards.
- Performing site-specific ground motion procedures for the subject property.
- Performing engineering analyses to develop recommendations for foundation design and site preparation.
- The preparation of this report summarizing our work at the site.

SITE CONDITIONS

The subject property is located on the northwest corner of Latham Avenue and Gilbert Street in the City of Hemet, California. The subject property occupies a total area of 1.29 acres. At the time of our investigation, the western half of subject property was occupied by an existing church facility and paved parking areas. The eastern half of the site was undeveloped and covered by overgrown vegetation. The property is located within an area of commercial and residential development. The site is near the elevations of the adjacent properties and roadways and is bounded by commercial property to the north and west, by North Gilbert Street to the east and by West Latham Avenue to the south.

Based on our review of the Hemet 7.5-Minute Quadrangle Map (USGS, 2021) and (Google Earth, 2025), the site is situated at an approximate elevation of 1580 feet above mean sea level (MSL).

No natural ponding of water or surface seeps were observed at or near the sites during our investigation conducted on May 22, 2025. Site drainage is controlled by sheet flow, surface infiltration and through City maintained storm sewers located along nearby streets.

GEOLOGIC SETTING

The project site is located in the Peninsular Ranges Physiographic Province of California. The Peninsular Ranges are mountainous areas that extend from the western edge of the continental borderland to the Salton Trough and from the Transverse Ranges Physiographic Province in the north to the tip of Baja California in the south. The Peninsular Ranges Physiographic Province is characterized by northwest-trending topographic and structural features. The province is characterized by elongated, northwest-southeast trending mountain ranges and valleys and is truncated at its northern margin by the east-west trending Transverse Ranges. Mountainous areas of the Peninsular Ranges Physiographic Province generally consist of Igneous, metasedimentary and metavolcanic rocks. However, plutonic rocks of the Southern California Batholith are the dominant basement rock exposed (Jahns, 1954).

The site has been mapped by Morton & Matti (2004) to be immediately underlain by young alluvial fan deposits (Qyfb1). The geologic setting for the site and site vicinity is illustrated on the Regional Geologic Map, Figure 2.

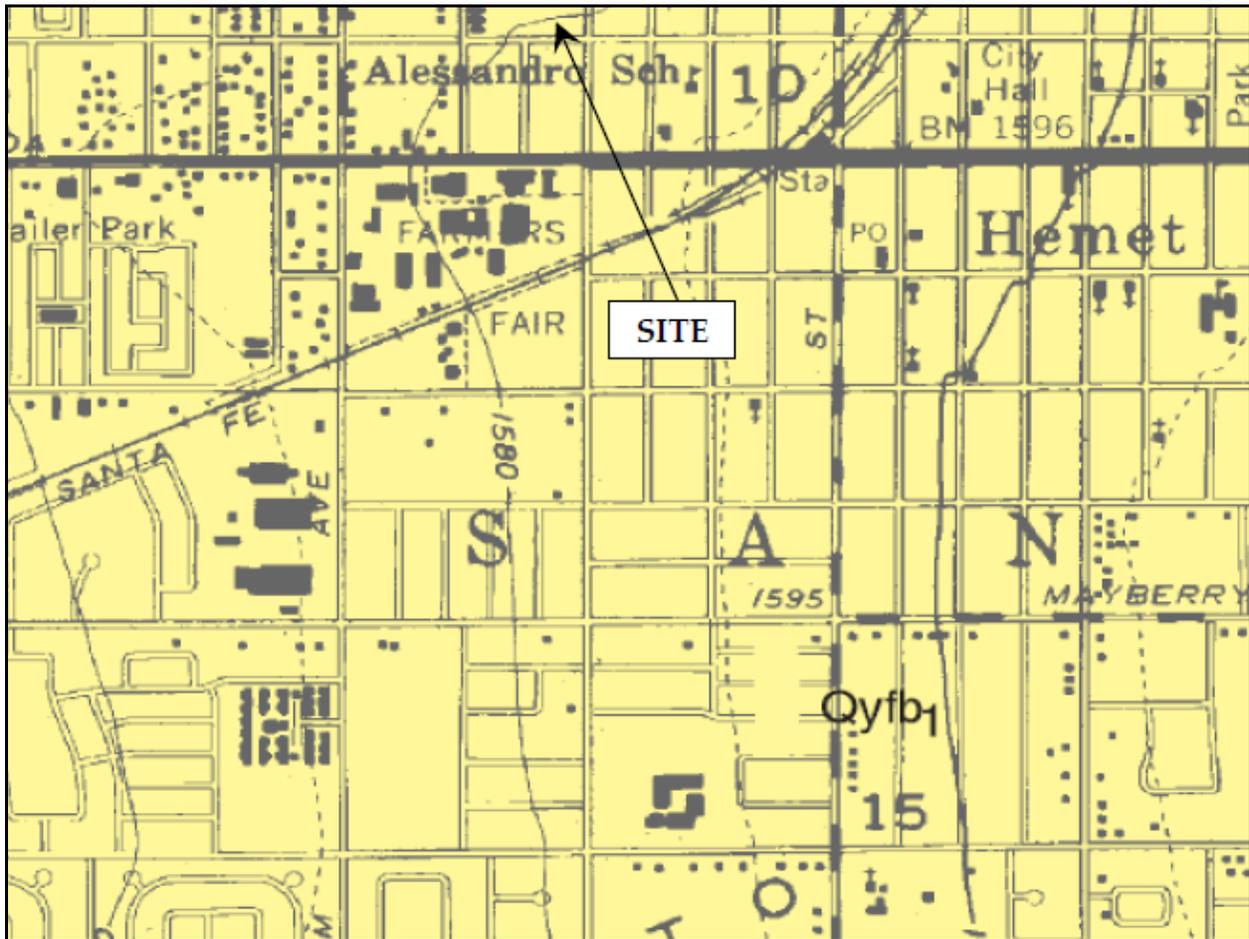


Figure 2 (Morton & Matti, 2005)

SUBSURFACE CONDITIONS

The subsurface conditions at the site were investigated by drilling six (6) exploratory boreholes on the property to depths ranging from approximately 11 to 51 feet bgs. The approximate locations of the boreholes are illustrated on the Exploration Location Plan (Figure 3). The boreholes were advanced using a truck-mounted Mobile B-61 drill-rig equipped with 8-inch outside diameter hollow stem augers. A representative of Sladden was on-site to log the materials encountered and retrieve samples for laboratory testing and engineering analysis.

During our field investigation, artificial fill/disturbed soil was encountered to a depth ranging from approximately three (3) to four (4) feet below existing grade. Underlying the artificial fill/disturbed soil, native alluvial deposits were encountered. The native alluvial soil throughout the site consists primarily of gravelly sand/sand (SP), silty sand (SM) and sandy silt (ML). Generally, granular soil was found to be dry to slightly moist, medium dense, fine- to coarse-grained and grayish brown in in-situ color. Generally, cohesive soil appeared to be slightly moist to moist, medium stiff to stiff, grayish brown in in-situ color and exhibited low plasticity characteristics.

The final logs represent our interpretation of the contents of the field logs, and the results of the laboratory observations and tests of the field samples. The final logs are included in Appendix A of this report. The stratification lines represent the approximate boundaries between soil types although the transitions may be gradual and variable across the site.

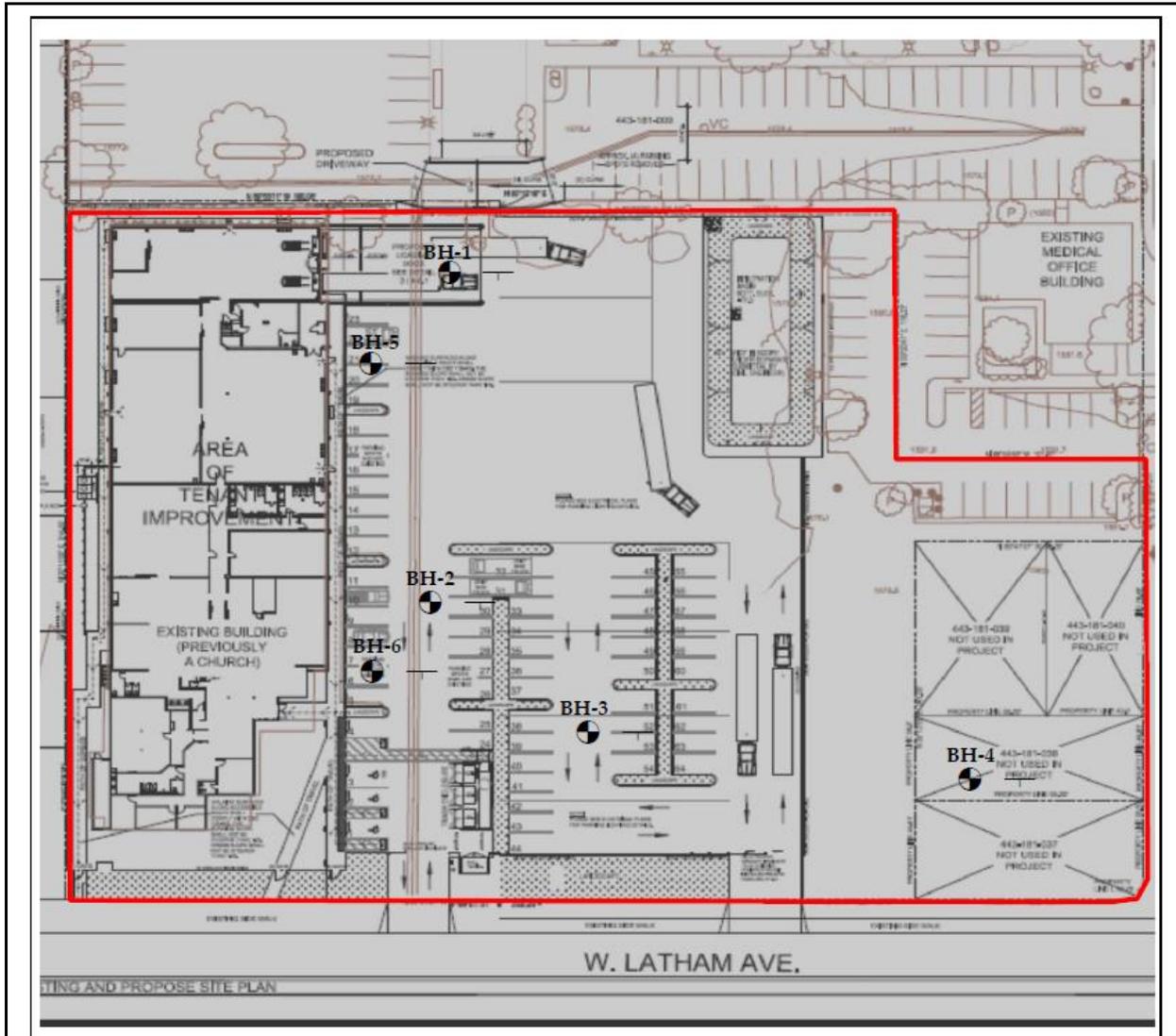


Figure 3 (Herron Rumansoff, 2025)

GROUNDWATER CONDITIONS

Groundwater was not encountered at the maximum explored depth of 51 feet bgs during our field investigation. Information regarding the approximate depth to groundwater provided by the California Department of Water Resources online database indicates that the depth to groundwater is in excess of 51 feet below the existing ground surface in the vicinity of the site (CDWR, 2025). It is our opinion that groundwater should not be a factor in the design or construction of the proposed project.

SEISMICITY AND FAULTING

The southwestern United States is a tectonically active and structurally complex region, dominated by northwest-trending dextral faults. The faults of the region are often part of complex fault systems, composed of numerous subparallel faults that splay or step from main fault traces. Strong seismic shaking could be produced by any of these faults during the design life of the proposed project.

We consider the most significant geologic hazard to the project to be the potential for moderate to strong seismic shaking that is likely to occur during the design life of the project. The proposed project is located in the highly seismic Southern California region within the influence of several fault systems that are considered to be active or potentially active. An active fault is defined by the State of California as a “sufficiently active and well-defined fault” that has exhibited surface displacement within the Holocene epoch (about the last 11,000 years). A potentially active fault is defined by the State as a fault with a history of movement within Pleistocene time (between 11,000 and 1.6 million years ago).

As previously stated, the site has been subjected to strong seismic shaking related to active faults that traverse through the region. Some of the more significant seismic events near the subject site within recent times include: M6.0 North Palm Springs (1986), M6.1 Joshua Tree (1992), M7.3 Landers (1992), M6.2 Big Bear (1992), M7.1 Hector Mine (1999), and M7.1 Ridgecrest (2019).

Table 1 lists the closest known potentially active faults that was generated in part using fault parameters from The Revised 2002 California Probabilistic Seismic Hazard Maps (Cao et al, 2003), 2008 National Seismic Hazard Maps – Source Parameters (USGS, 2008) and the Fault and Fold Database of the United States (USGS, 2024a). This table does not identify the probability of reactivation or the on-site effects from earthquakes occurring on any faults in the region.

TABLE 1 CLOSEST KNOWN ACTIVE FAULTS		
Fault Name	Distance (Km)	Maximum Event
San Jacinto-San Jacinto Valley	<2.0	7.7
San Jacinto-Anza	<2.0	7.2
San Andreas-Southern	27.4	7.5
San Andreas-San Bernardino	27.4	7.5
Elsinore-Temecula	29.9	6.8
Elsinore Glen Ivy	30.8	6.8

SITE-SPECIFIC GROUND MOTION PARAMETERS

Sladden has reviewed the 2022 California Building Code (CBC) and ASCE7-16 and developed site-specific ground motion parameters for the subject site. The project Seismic Design Maps and site-specific ground motion parameters are summarized in the following table and included within Appendix C. The project Structural Engineer should verify that all design parameters provided are applicable for the subject project.

TABLE 2 GROUND MOTION PARAMETERS	
Latitude / Longitude	33.7498/ -116.9767
Risk Category	II
Site Class	D
Code Reference Documents	ASCE 7-16; Chapter 11 & 21

Description	Type	Map Based	Site-Specific
MCE _R Ground Motion (0.2 second period)	S _S	2.072	---
MCE _R Ground Motion (1.0 second period)	S _I	0.832	---
Site-Modified Spectral Acceleration Value	S _{MS}	2.072	2.331
Site-Modified Spectral Acceleration Value	S _{MI}	Null	2.419
Numeric Seismic Design Value at 0.2 second SA	S _{DS}	1.381	1.554
Numeric Seismic Design Value at 1.0 second SA	S _{DI}	Null	1.613
Site Amplification Factor at 0.2 second	F _a	1.0	1.0
Site Amplification Factor at 1.0 second	F _v	Null	2.5
Site Peak Ground Acceleration	PG _{AM}	0.978	0.906

GEOLOGIC HAZARDS

The subject site is located in an active seismic zone and will likely experience strong seismic shaking during the design life of the proposed project. In general, the intensity of ground shaking will depend on several factors including; the distance to the earthquake focus, the earthquake magnitude, the response characteristics of the underlying materials, and the quality and type of construction. Geologic hazards and their relationship to the site are discussed below.

- I. Surface Rupture. Surface rupture is expected to occur along preexisting, known active fault traces. However, surface rupture could potentially splay or step from known active faults or rupture along unidentified traces. Based on our review of Morton & Matti (2004), Rogers (1965), Jennings (1994), and CDOC (2025) known active faults are not mapped on the site. In addition, no signs of active surface faulting were observed during our review of non-stereo digitized photographs of the site and site vicinity (Google Earth, 2025). Finally, no signs of active surface fault rupture or secondary seismic effects (lateral spreading, lurching etc.) were identified during our field investigation. Therefore, it is our opinion that risks associated with primary surface ground rupture should be considered “low”.

- II. Ground Shaking. The site has been subjected to past ground shaking by faults that traverse through the region. Strong seismic shaking from nearby active faults is expected to produce strong seismic shaking during the design life of the proposed project. Based on site-specific ground motion parameters developed for the property (Appendix C), the site-modified peak ground acceleration (PGAm) is estimated to be 0.906g.
- III. Liquefaction/Dry Sand Settlement. Liquefaction is the process in which loose, saturated granular soil loses strength as a result of cyclic loading. The strength loss is a result of a decrease in granular sand volume and a positive increase in pore pressures. Generally, liquefaction can occur if all of the following conditions apply; liquefaction-susceptible soil, groundwater within a depth of 50 feet or less, and strong seismic shaking.

We have performed seismic settlement calculations utilizing a factor of Safety of 1.1, a magnitude of 7.2 and the site-specific peak ground acceleration developed for the project (PGAm=0.906). Historic high and anticipated high groundwater depths were determined to be greater than 51 feet below the existing ground surface (CDWR, 2025). Calculations indicate potential total seismic settlements of up to 6.37 inches for BH-1, 9.38 for BH-2 and 8.35 inches for BH-6. The potential seismically related differential settlements are expected to be less than approximately 3.0 inches. Based upon the general uniformity of the soil and groundwater conditions underlying the site, we expect the maximum differential settlement to occur over a horizontal distance of approximately 100 feet. The current plans indicate the project will consist of a loading dock addition and the renovation of the existing building. The risks associated with seismic settlement cannot be reasonably mitigated for the existing building but should be considered in the design of the proposed loading dock addition. The seismic settlement calculations are included in Appendix D.

- IV. Tsunamis and Seiches. Because the site is situated at an inland location and is not immediately adjacent to any impounded bodies of water, risks associated with tsunamis and seiches are considered “negligible”.
- V. Slope Failure, Landsliding, Rock Falls. Slope instability in the form of landslides and rock falls were not observed at or near the subject site. The site is situated on relatively flat ground and is not located immediately adjacent to any slopes. As such, risks associated with slope instability (landslides, mass wasting, and rock falls) are considered “negligible”.
- VI. Expansive Soil. Generally, the near-surface soil consists of silty sand (SM). Based on the results of our laboratory testing (EI=0), the materials underlying the site are considered to have a “very low” expansion potential. The recommended remedial grading will result in substantial mixing and blending of the surface soil. The expansion potential of the subsurface soil should be reevaluated after grading.

- VII. Static Settlement. Static settlement resulting from the anticipated foundation loads should be tolerable provided that the recommendations included in this report are considered in foundation design and construction. The ultimate static settlement is expected to be less than 1 inch when using the recommended allowable bearing pressures. As a practical matter, differential static settlement between footings can be assumed as one-half of the total static settlement.
- VIII. Subsidence. Land subsidence can occur in valleys where aquifer systems have been subjected to extensive groundwater pumping, such that groundwater pumping exceeds groundwater recharge. Generally, pore water reduction can result in a rearrangement of skeletal grains and could result in elastic (recoverable) or inelastic (unrecoverable) deformation of an aquifer system.
- Locally, no fissures or other surficial evidence of subsidence were observed at or near the subject site. The potential for subsidence-related settlement is considered “negligible”.
- IX. Debris Flows. Debris flows are viscous flows consisting of poorly sorted mixtures of sediment and water and are generally initiated on slopes steeper than approximately six horizontal to one vertical (6H:1V) (Boggs, 2001). Based on the flat nature of the site and the composition of the surface soil, we judge that risks associated with debris flows should be considered “negligible”.
- X. Flooding and Erosion. No signs of flooding or erosion were observed during our field investigation. Risks associated with flooding and erosion should be evaluated and mitigated by the project design Civil Engineer.

CONCLUSIONS

Based on the results of our investigation, it is our professional opinion that the project should be feasible from a geotechnical perspective provided that the recommendations included in this report are incorporated into design and carried out through construction. The main geotechnical concerns are the presence of the existing building elements and underground utilities, the presence of artificial fill/disturbed surface soil, the presence of loose and potentially compressible near-surface native soil throughout the project site and potential seismic settlements.

We recommend that remedial work within the proposed new building and/or foundation areas includes over-excavation and re-compaction of the primary foundation-bearing soil to provide uniform foundation support and to help mitigate potential differential settlements. Specific recommendations for foundation area preparation are presented in the Earthwork and Grading section of this report.

Caving did occur to varying degrees within each of our exploratory bores and the surface soil may be susceptible to caving within deeper excavations. All excavations should be constructed in accordance with the normal CalOSHA excavation criteria. Based on our observations of the materials encountered, we anticipate that the subsoil will conform to that described by CalOSHA as Type B or Type C. Soil conditions should be verified in the field by a "Competent person" employed by the Contractor.

The following recommendations present more detailed design criteria that have been developed based on our field and laboratory investigation.

EARTHWORK AND GRADING

All earthwork including excavation, backfill, and preparation of the primary foundation and/or slab bearing soil should be performed in accordance with the geotechnical recommendations presented in this report and portions of the local regulatory requirements, as applicable. All earthwork should be performed under the observation and testing of a qualified soil engineer. The following geotechnical engineering recommendations for the proposed project are based on observations from the field investigation program, laboratory testing, and geotechnical engineering analyses.

- a. Site Clearing: Areas to be graded should be cleared of vegetation, associated root systems, underground utilities, and debris. All areas scheduled to receive fill should be cleared of old fills and any irreducible matter. The unsuitable material should be removed off-site. Voids left by obstructions should be properly backfilled in accordance with the compaction recommendations of this report.
- b. Preparation of the Building Areas. To provide firm and uniform foundation-bearing conditions, we recommend over-excavation and re-compaction throughout the proposed building and foundation areas. All artificial fill soil and native low density near surface native soil should be removed to a depth of at least 5 feet below existing grade or 4 feet below the bottom of the footings, whichever is deeper. Remedial grading should extend laterally, a minimum of five feet beyond the building limits where possible. The native soil exposed by over-excavation should be scarified, moisture conditioned to near optimum moisture content, and compacted to at least 90 percent relative compaction prior to fill placement. The previously removed soil may then be replaced as compacted engineered soil in accordance with the recommendations below.
- c. Slot Cuts. Excavations adjacent to existing structures (i.e., buildings, fences, walls, etc.) may require "ABC" slot cut methods to protect existing structures. Initially, all the slots designated as "A" should be excavated, backfilled and recompacted. The procedure should continue with the "B" slots followed by "C" slots. For preliminary estimating purposes, slot widths of approximately 5 feet appear reasonable. The width of each slot should be determined during grading. If any evidence of potential instability is observed, revised recommendations such as narrower slot cuts may be necessary. All slot excavation and backfilling procedures should be performed under the observation and testing of a qualified geotechnical engineer.

- d. **Compaction:** Soil to be used as engineered fill should be free of organic material, debris, and other deleterious substances. All fill material should be placed in thin lifts, not exceeding six inches in a loose condition. If import fill is required, the material should be of a low to non-expansive nature and should meet the following criteria:

Plastic Index	Less than 12
Liquid Limit	Less than 35
Percent Soil Passing #200 Sieve	Between 15% and 35%
Maximum Aggregate Size	3 inches

The subgrade and all fill should be compacted with acceptable compaction equipment, to at least 90 percent relative compaction. The bottom of the exposed subgrade should be observed by a representative of Sladden Engineering prior to fill placement. Compaction testing should be performed on all lifts to ensure proper placement of the fill materials. Table 4 provides a summary of the excavation and compaction recommendations.

TABLE 3 SUMMARY OF RECOMMENDATIONS	
*Remedial Grading	Over-excavation and re-compaction within the building envelope and extending laterally for 5 feet beyond the building limits where possible and to a minimum of 5 feet below existing grade or 4 feet below the bottom of the footings, whichever is deeper.
Native / Import Engineered Fill	Place in thin lifts not exceeding 6 inches in a loose condition, at near optimum moisture content and compact to a minimum of 90 percent relative compaction.
Asphalt Concrete Sections	Compact the top 12 inches to at least 95 percent compaction at near optimum moisture content.

*Actual depth may vary and should be determined by a representative of Sladden Engineering in the field during construction.

- e. **Shrinkage and Subsidence:** Volumetric shrinkage of the material that is excavated and replaced as controlled compacted fill should be anticipated. We estimate that this shrinkage should be between 15 and 20 percent. The subsidence of the surfaces that are scarified and compacted should be between 1 tenth and 2 tenths of a foot. This will vary depending upon the type of equipment used, the moisture content of the soil at the time of grading and the actual degree of compaction attained.

CONVENTIONAL SHALLOW SPREAD FOOTINGS

Conventional shallow spread footings are expected to provide adequate support for any future proposed structures. All footings should be founded upon properly compacted engineered fill soil and should have a minimum embedment depth of 12 inches measured from the lowest adjacent finished grade. Continuous footings and isolated pad footings should have minimum widths of 12 inches and 24 inches, respectively. Continuous footings and isolated pad footings supported upon properly compacted engineered fill soil may be designed using allowable bearing pressures of 1800 and 2000 pounds per square foot (psf), respectively. Allowable increases of 200 psf for each additional 1 foot of width and 250 psf for each additional 6 inches of depth may be used if desired. The maximum allowable bearing pressure should be 3000 psf. The allowable bearing pressures are intended for combined dead and sustained live loads. The allowable bearing pressures may be increased by one-third when considering transient live loads, including seismic and wind forces.

Based on the recommended allowable bearing pressures, the total static settlement of the shallow footings is anticipated to be less than one inch provided foundation preparations conform to the recommendations described in this report. Static differential settlement is anticipated to be approximately one-half of the total settlement for similarly loaded footings spaced up to approximately 40 feet apart.

Lateral load resistance for the spread footings will be developed by passive pressure against the sides of the footings below grade and by friction acting at the base of the footings. An allowable passive pressure of 250 psf per foot of depth may be used for design purposes. An allowable coefficient of friction 0.45 may be used for dead and sustained live loads to compute the frictional resistance of the footing placed directly on compacted fill. Under seismic and wind loading conditions, the passive pressure and frictional resistance may be increased by one-third.

All footing excavations should be observed by a representative of the project geotechnical consultant to verify adequate embedment depths prior to placement of forms, steel reinforcement, or concrete. The excavations should be trimmed neat, level and square. All loose, disturbed, sloughed, or moisture-softened soils and/or any construction debris should be removed prior to concrete placement. All footings should be reinforced in accordance with the project Structural Engineer's recommendations.

SLABS-ON-GRADE

In order to reduce the risk of heave, cracking and settlement, concrete slabs-on-grade must be placed on properly compacted fill as outlined in the previous sections. The slab subgrades should remain near optimum moisture content and should not be permitted to dry prior to concrete placement. All slab subgrades should be firm and unyielding. Disturbed soil should be removed and then replaced and compacted to a minimum of 90 percent relative compaction.

Slab thickness and reinforcement should be determined by the structural engineer. All slab reinforcement should be supported on concrete chairs to ensure that reinforcement is placed at slab mid-height. Considering the expected uses, we recommend a minimum slab thickness of 6.0 inches within loading dock areas and 4.0 inches within office areas along with minimum reinforcement of #3 bars at 24 inches on center in both directions in office areas and #4 bars at 24 inches on center in both directions in warehouse areas.

Slabs with moisture sensitive surfaces should be underlain with a moisture vapor barrier consisting of a polyvinyl chloride membrane such as 10-mil Visqueen. All laps within the membrane should be sealed and at least 2 inches of clean sand should be placed over the membrane to promote uniform curing of the concrete and to limit damage. To reduce the potential for punctures, the membrane should be placed on a pad surface that has been graded smooth without any sharp protrusions. If a smooth surface can not be achieved by grading, consideration should be given to placing a thin leveling course of sand across the pad surface prior to placement of the membrane.

PRELIMINARY PAVEMENT DESIGN

Design asphalt concrete pavements in accordance with Topic 608 of the Caltrans Highway Design Manual based on R-Value and Traffic Index. The design R-Value was estimated to be in excess of 50. Any imported soil should be tested for R-Value. The actual R-Value of subgrade soil should be reevaluated prior to the final pavement design.

Traffic Indices (TI) of 5.0 and 6.5 were used for light duty and heavy duty pavements, respectively. We assumed Asphalt Concrete (AC) over Class II Aggregate Base (AB). Preliminary flexible pavement layer thickness is as follows:

RECOMMENDED ASPHALT PAVEMENT SECTION LAYER THICKNESS		
Pavement Material	Recommended Thickness	
	TI=5.0	TI=6.5
Asphalt Concrete Surface Course	3.0 inches	4.0 inches
Class II Aggregate Base Course	4.0 inches	6.0 inches
Compacted Subgrade Soil	12.0 inches	12.0 inches

Asphalt concrete should conform to the latest edition of the CalTrans Standard Specifications. Class II aggregate base should conform to Caltrans Standard Specifications, latest edition. The aggregate base course should be compacted to at least 95 percent of the maximum dry density as determined by ASTM Test Method No. D 1557.

RETAINING WALLS

Minor retaining walls may be necessary to complete the proposed construction. Cantilever retaining walls may be designed using "active" pressures. Active pressures may be estimated using an equivalent fluid weight of 35 pcf for level native backfill soil acting in a triangular pressure distribution with drained backfill conditions. "At Rest" pressures should be utilized for restrained walls. At rest pressures may be estimated using an equivalent fluid weight of 55 pcf for native backfill soil with level drained backfill conditions.

We recommend that a back drain system be provided behind all retaining walls or that the walls be designed for full hydrostatic pressures. The back drains should consist of a heavy walled, four-inch diameter, perforated pipe sloped to drain to outlets by gravity, and of clean, free-draining, three-quarter to one-and-a-half-inch crushed rock or gravel. The crushed rock or gravel should extend to within one foot of the surface. The upper one foot should be backfilled with compacted, fine-grained soil to exclude surface water. A Mirafi 140N (or equivalent) filter cloth should be placed between the on-site native material and the drain rock.

We recommend that the ground surface behind retaining walls be sloped to drain. Under no circumstances should the surface water be diverted into back drains. Where migration of moisture through walls would be detrimental, the walls should be waterproofed.

CORROSION SERIES

The soluble sulfate concentrations of the surface soil were determined to be 20 parts per million (ppm). The soil falls within the "negligible-S0" sulfate exposure category. The use of Type V cement and special sulfate-resistant concrete mixes may not be necessary. The soluble sulfate content of the surface soil should be reevaluated after grading and appropriate concrete mix designs should be established based upon post-grading test results.

The pH level of the surface soil was determined to be 8.0. Based on soluble chloride concentration testing (80 ppm) the falls within the "C0" chloride exposure category. The minimum resistivity of the surface soil was found to be 6,200 that suggests the site soil is considered to have "low" corrosion potential with respect to ferrous metal installations. A corrosion expert should be consulted regarding appropriate corrosion protection measures for corrosion sensitive installations.

UTILITY TRENCH BACKFILL

All utility trench backfill should be compacted to a minimum of 90 percent relative compaction. Trench backfill materials should be placed in lifts no greater than six inches in a loose condition, moisture conditioned (or air-dried) as necessary to achieve near optimum moisture content, and mechanically compacted to a minimum of 90 percent relative compaction. A representative of the project soil engineer should test the backfill to verify adequate compaction.

EXTERIOR CONCRETE FLATWORK

To provide uniform support and minimize settlement related cracking of concrete flatwork, the subgrade soil within concrete flatwork areas should be compacted to a minimum of 90 percent relative compaction. A representative of the project geotechnical consultant should observe and verify the density and moisture content of the soil prior to concrete placement.

DRAINAGE

All final grades should be provided with positive gradients away from foundations to provide rapid removal of surface water runoff to an adequate discharge point. No water should be allowed to be pond on or immediately adjacent to foundation elements. To reduce water infiltration into the subgrade soil, surface water should be directed away from building foundations to an adequate discharge point. Subgrade drainage should be evaluated upon completion of the precise grading plans and in the field during grading.

LIMITATIONS

The findings and recommendations presented in this report are based upon an interpolation of the soil conditions between the exploratory locations and extrapolation of these conditions throughout the proposed building areas. Should conditions encountered during grading appear different than those indicated in this report, this office should be notified.

The use of this report by other parties or for other projects is not authorized. The recommendations of this report are contingent upon monitoring of the grading operation by a representative of Sladden Engineering. All recommendations are considered to be tentative pending our review of the grading operation and additional testing, if indicated. If others are employed to perform any soil testing, this office should be notified prior to such testing in order to coordinate any required site visits by our representative and to assure indemnification of Sladden Engineering.

We recommend that a pre-job conference be held on the site prior to the initiation of site grading. The purpose of this meeting will be to assure a complete understanding of the recommendations presented in this report as they apply to the actual grading performed.

ADDITIONAL SERVICES

Once completed, final project plans and specifications should be reviewed by use prior to construction to confirm that the full intent of the recommendations presented herein have been applied to design and construction. Following review of plans and specifications, observation should be performed by the Soil Engineer during construction to document that foundation elements are founded on/or extend into the properly compacted soil, and that suitable backfill soil is placed upon competent materials and properly compacted at the recommended moisture content.

Tests and observations should be performed during grading by the Soil Engineer or his representative in order to verify that the grading is being performed in accordance with the project specifications. Field density testing shall be performed in accordance with acceptable ASTM test methods. The minimum acceptable degree of compaction should be 90 percent for engineered fill soil and 95 percent for Class II aggregate base as obtained by ASTM Test Method D1557. Where testing indicates insufficient density, additional compactive effort shall be applied until retesting indicates satisfactory compaction.

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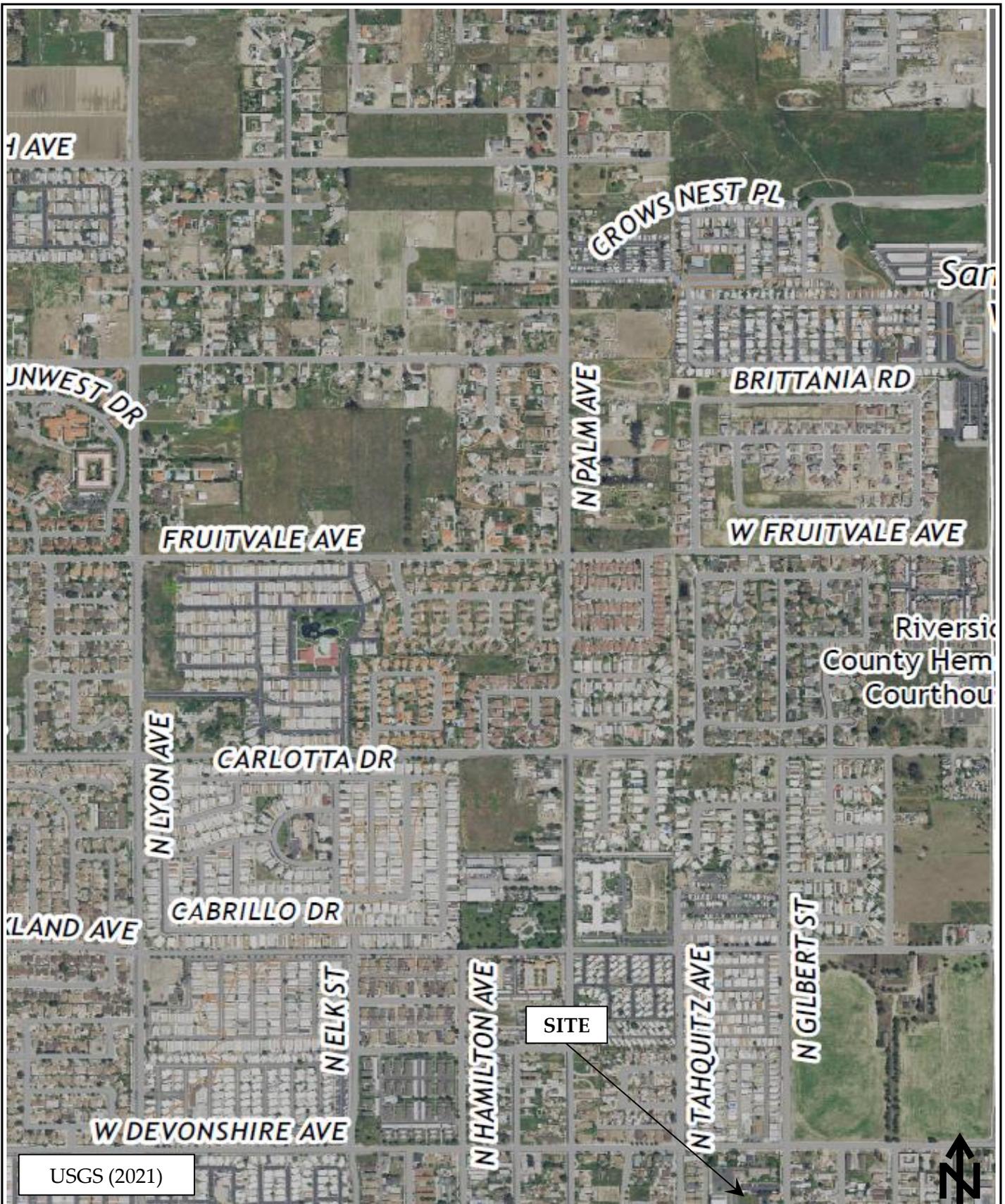
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FIGURES

SITE LOCATION MAP
REGIONAL GEOLOGIC MAP
EXPLORATION LOCATION PLAN



USGS (2021)



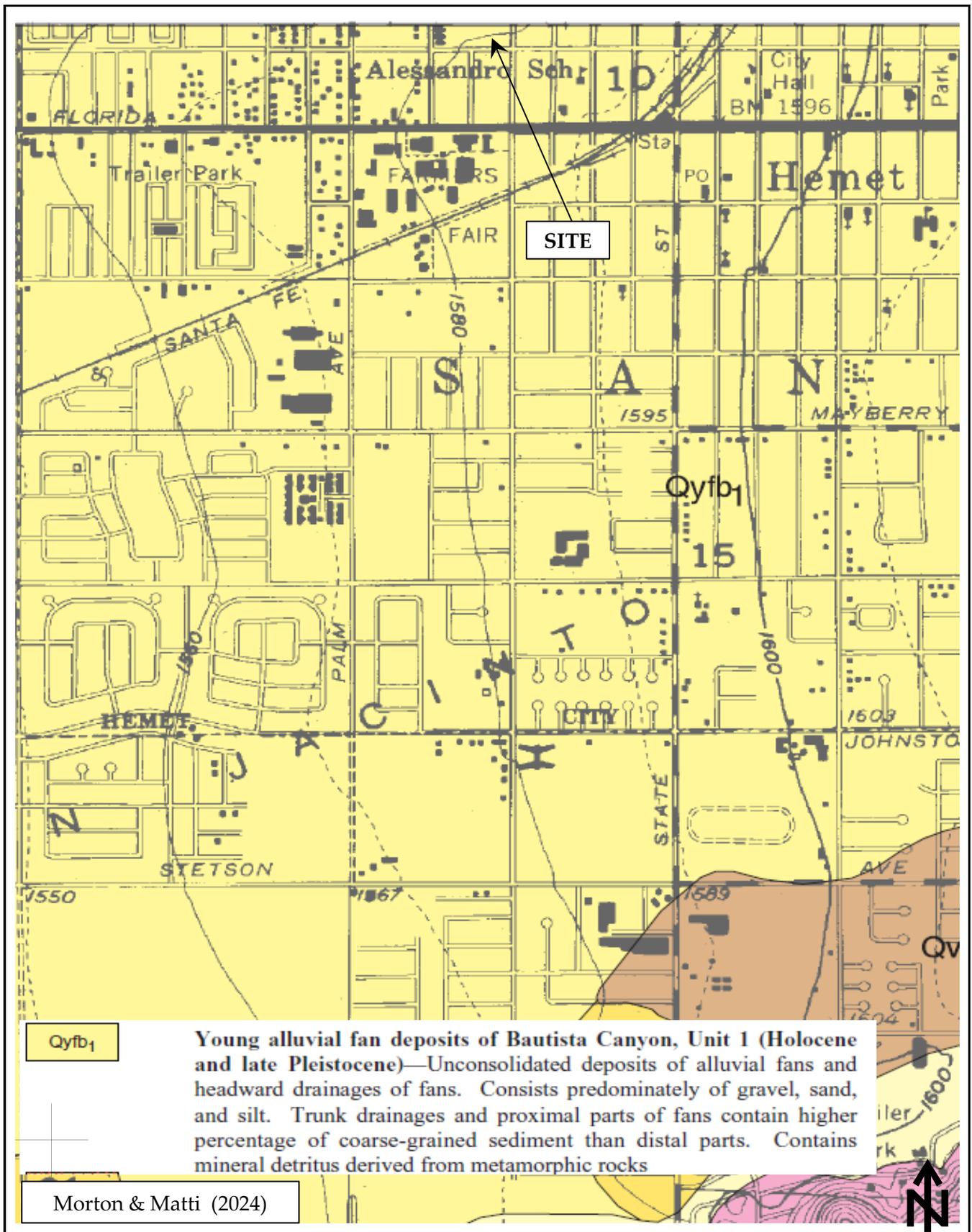
Sladden Engineering

SITE LOCATION MAP

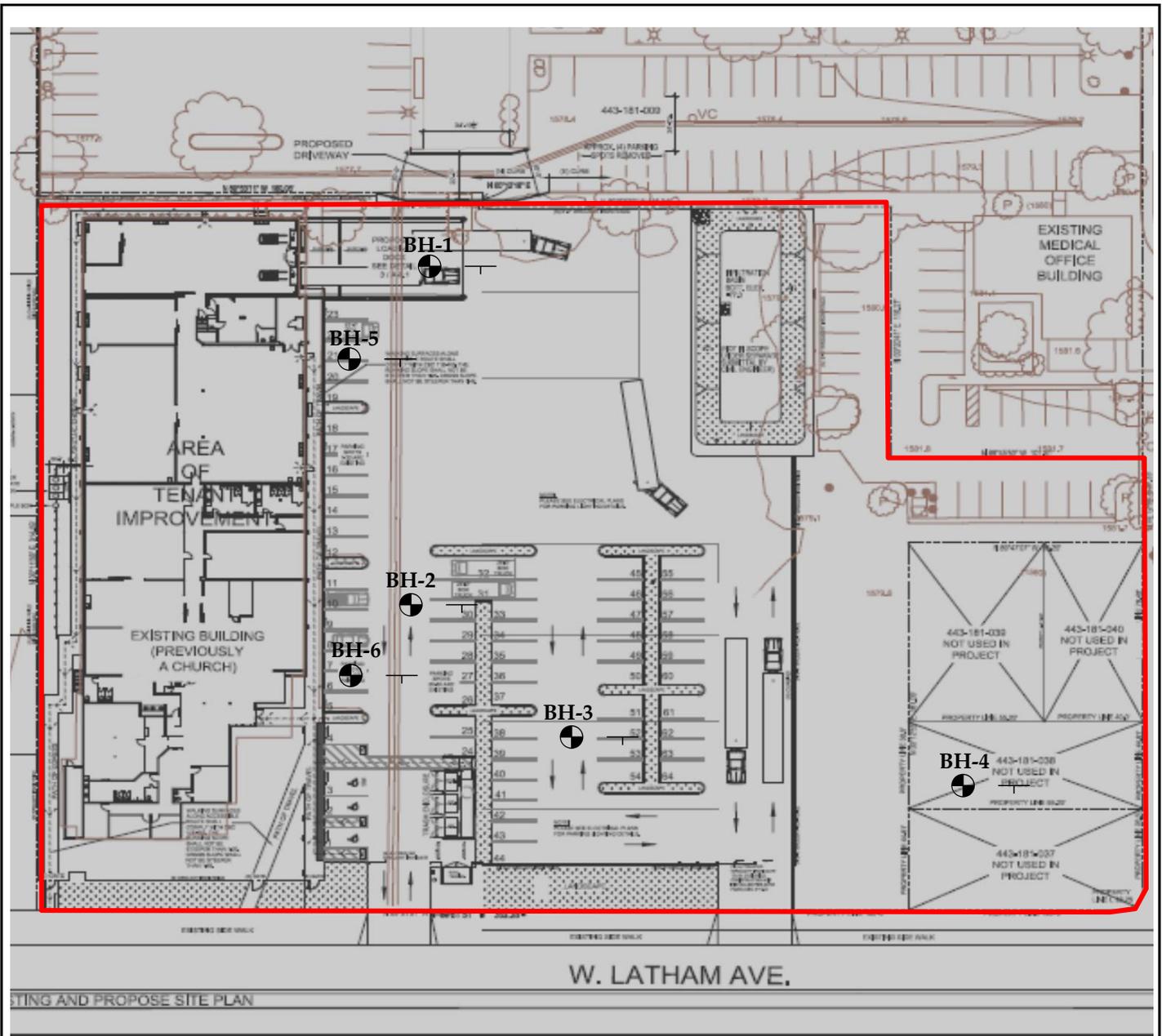
Project Number:	644-24039
Report Number:	25-06-038
Date:	August 1, 2025

FIGURE

1



 Sladden Engineering	REGIONAL GEOLOGIC MAP		FIGURE 2
	Project Number:	644-24039	
	Report Number:	25-06-038	
	Date:	August 1, 2025	



LEGEND

 Subject Site
 Exploratory Borehole Location



herron rumansoff (2025)

 Sladden Engineering	EXPLORATION LOCATION PLAN		FIGURE
	Project Number:	644-24039	3
	Report Number:	25-06-038	
Date:	August 1, 2025		

APPENDIX A
FIELD EXPLORATION

APPENDIX A

FIELD EXPLORATION

For our field investigation, six (6) exploratory bores were excavated on the subject site. Continuous logs of the materials encountered were made by a representative of Sladden Engineering. Materials encountered in the bores were classified in accordance with the Unified Soil Classification System.

Representative undisturbed samples were obtained within our borings by driving a thin-walled steel penetration sampler (California split spoon sampler) or a Standard Penetration Test (SPT) sampler with a 140 pound automatic-trip hammer dropping approximately 30 inches (ASTM D1586). The number of blows required to drive the samplers 18 inches was recorded in 6-inch increments and blowcounts are indicated on the boring logs.

The California samplers are 3.0 inches in diameter, carrying brass sample rings having inner diameters of 2.5 inches. The standard penetration samplers are 2.0 inches in diameter with an inner diameter of 1.5 inches. Undisturbed samples were removed from the sampler and placed in moisture sealed containers in order to preserve the natural soil moisture content. Bulk samples were obtained from the excavation spoils and samples were then transported to our laboratory for further observations and testing.

SLADDEN ENGINEERING								BORE LOG			
								Drill Rig: Mobil B-61		Date Drilled: 5/22/2025	
								Elevation: 1,580 Feet (MSL)		Boring No: BH-1	
Sample	Blow Counts	Bulk Sample	Expansion Index	% Minus #200	% Moisture	Dry Density, pcf	Depth (Feet)	Graphic Lithology	Description		
	7/19/11	1	0	30.1	2.5	111.1	2		Silty Sand (SM); grayish brown, dry to slightly moist, medium dense, fine-grained (Fill/Disturbed).		
	3/5/8			41.8	4.7	100.0	4		Silty Sand (SM); grayish brown, slightly moist, loose, fine-grained (Qyfb).		
	3/4/4			40.7	5.2		6				
	4/5/7			58.0	6.2	92.3	10		Silty Sand (SM); grayish brown, slightly moist, loose, fine-grained (Qyfb).		
	3/3/4			81.9	15.4		12		Sandy Silt (ML); grayish brown, slightly moist, medium stiff, low plasticity (Qyfb).		
	4/7/8			38.8	9.5	109.9	14				
	6/9/9			21.1	2.2		16		Sandy Silt (ML); grayish brown, slightly moist to moist, medium stiff, low plasticity (Qyfb).		
	7/8/10			41.2	6.3	105.7	18		Silty Sand (SM); grayish brown, slightly moist, loose, fine- to coarse-grained (Qyfb).		
	4/6/9			85.8	19.9		20				
	8/15/21			11.0	1.9	115.2	22		Silty Sand (SM); grayish brown, slightly moist, medium desne, fine- to coarse-grained (Qyfb).		
	9/9/11			10.7	3.4		24		Clayey Silt (ML); grayish brown, moist, stiff, low plasticity with sand (Qyfb).		
							26				
							28		Gravelly Sand (SP); grayish brown, slightly moist, medium desne, fine- to coarse-grained (Qyfb).		
							30				
							32		Gravelly Sand (SP); grayish brown, slightly moist, medium desne, fine- to coarse-grained (Qyfb).		
							34				
							36		Gravelly Sand (SP); grayish brown, slightly moist, medium desne, fine- to coarse-grained (Qyfb).		
							38				
							40		Gravelly Sand (SP); grayish brown, slightly moist, medium desne, fine- to coarse-grained (Qyfb).		
							42				
							44		Gravelly Sand (SP); grayish brown, slightly moist, medium desne, fine- to coarse-grained (Qyfb).		
							46				
							48		Gravelly Sand (SP); grayish brown, slightly moist, medium desne, fine- to coarse-grained (Qyfb).		
							50				

Completion Notes:
Terminated at ~51.5 Feet bgs.
No Bedrock Encountered.
No Groundwater or Seepage Encountered.

SLADDEN ENGINEERING

BORE LOG

Drill Rig:	Mobil B-61	Date Drilled:	2/6/2013
Elevation:	1,575 Feet (MSL)	Boring No:	BH-2

Sample	Blow Counts	Bulk Sample	Expansion Index	% Minus #200	% Moisture	Dry Density, pcf	Depth (Feet)	Graphic Lithology	Description
							2		Silty Sand (SM); grayish brown, dry to slightly moist, fine-grained (Fill/Disturbed).
	3/3/4				5.2		4		Silty Sand (SM); grayish brown, slightly moist, loose, fine-grained (Qyfb).
						100.9	6		
	4/5/7				6.3		8		
							10		Silty Sand (SM); grayish brown, slightly moist, loose, fine- to coarse-grained with gravel (Qyfb).
							12		
	3/4/4				13.4		14		Silty Sand (SM); grayish brown, slightly moist, loose, fine-grained with clay (Qyfb).
							16		
							18		Terminated at ~ 16.5 feet bgs. No Bedrock Encountered. No Groundwater or Seepage Encountered.
							20		
							22		
							24		
							26		
							28		
							30		
							32		
							34		
							36		
							38		
							40		
							42		
							44		
							46		
							48		
							50		

SLADDEN ENGINEERING								BORE LOG			
								Drill Rig: Mobil B-61		Date Drilled: 2/6/2013	
								Elevation: 1,575 Feet (MSL)		Boring No: BH-3	
Sample	Blow Counts	Bulk Sample	Expansion Index	% Minus #200	% Moisture	Dry Density, pcf	Depth (Feet)	Graphic Lithology	Description		
							2		Silty Sand (SM); grayish brown, dry to slightly moist, fine-grained (Fill/Disturbed).		
	18/30/16				2.5	117.4	4		Silty Sand (SM); grayish brown, slightly moist, medium dense, fine-grained (Qyfb).		
							6				
							8		Silty Sand (SM); grayish brown, slightly moist, loose, fine- to coarse-grained with gravel (Qyfb).		
	3/4/4				4.8		10				
							12				
							14		Silty Sand (SM); grayish brown, slightly moist, loose, fine-grained with clay (Qyfb).		
	4/4/6				7.2	103.7	16				
							18		Silty Sand (SM); grayish brown, slightly moist, loose, fine-grained with clay (Qyfb).		
							20				
	3/3/5				6.4		22				
							24				
							26		Terminated at ~ 21.5 feet bgs. No Bedrock Encountered. No Groundwater or Seepage Encountered.		
							28				
							30				
							32				
							34				
							36				
							38				
							40				
							42				
							44				
							46				
							48				
							50				
Completion Notes:								DOSNER ORGANIC FARMS NWC LATHAM AVE. & GILBERT ST., HEMET			
								Project No: 644-24039		Page 3	
								Report No: 25-06-038			

SLADDEN ENGINEERING

BORE LOG

Drill Rig:	Mobil B-61	Date Drilled:	2/6/2013
Elevation:	1,575 Feet (MSL)	Boring No:	BH-4

Sample	Blow Counts	Bulk Sample	Expansion Index	% Minus #200	% Moisture	Dry Density, pcf	Depth (Feet)	Graphic Lithology	Description
							2		Silty Sand (SM); grayish brown, dry to slightly moist, fine-grained (Fill/Disturbed).
	2/2/2				9.0		4		
							6		Silty Sand (SM); grayish brown, slightly moist, very loose, fine-grained (Qyfb).
	3/4/4				2.6		8		
							10		Silty Sand (SM); grayish brown, slightly moist, very loose, fine- to coarse-grained with gravel (Qyfb).
							12		
							14		
							16		Terminated at ~ 11.5 feet bgs. No Bedrock Encountered. No Groundwater or Seepage Encountered.
							18		
							20		
							22		
							24		
							26		
							28		
							30		
							32		
							34		
							36		
							38		
							40		
							42		
							44		
							46		
							48		
							50		

SLADDEN ENGINEERING								BORE LOG			
								Drill Rig: Mobil B-61		Date Drilled: 7/23/2025	
								Elevation: 1,580 Feet (MSL)		Boring No: BH-5	
Sample	Blow Counts	Bulk Sample	Expansion Index	% Minus #200	% Moisture	Dry Density, pcf	Depth (Feet)	Graphic Lithology	Description		
	7/7/7	1	0	20.2	5.6	113.8	2		Silty Sand (SM); grayish brown, dry to slightly moist, loose, fine-grained (Fill/Disturbed).		
	3/3/4			33.7	8.7	98.9	4		Silty Sand (SM); grayish brown, slightly moist, very loose, fine-grained (Qyfb).		
	2/2/2			30.2	9.8		6				
	6/7/7			34.5	9.4	103.2	8				
	4/5/5			51.6	11.8		10				
	6/7/9			54.9	14.5	97.2	12		Silty Sand (SM); grayish brown, slightly moist, loose, fine-grained (Qyfb).		
	5/5/6			22.2	5.4		14				
	8/11/12			31.1	8.9	99.2	16		Sandy Silt (ML); grayish brown, slightly moist to moist, stiff, low plasticity (Qyfb).		
	4/5/6			77.7	26.8		18				
	11/16/20			12.3	3.1	112.4	20		Sandy Silt (ML); grayish brown, slightly moist to moist, stiff, low plasticity (Qyfb).		
	8/8/9			22.2	5.2		22				
Completion Notes: Terminated at ~51.5 Feet bgs. No Bedrock Encountered. No Groundwater or Seepage Encountered.									DOSNER ORGANIC FARMS NWC LATHAM AVE. & GILBERT ST., HEMET		
										Project No: 644-24039 Report No: 25-06-038	Page 5

SLADDEN ENGINEERING								BORE LOG			
								Drill Rig: Mobil B-61		Date Drilled: 7/23/2025	
								Elevation: 1,580 Feet (MSL)		Boring No: BH-6	
Sample	Blow Counts	Bulk Sample	Expansion Index	% Minus #200	% Moisture	Dry Density, pcf	Depth (Feet)	Graphic Lithology	Description		
							2		Silty Sand (SM); grayish brown, dry to slightly moist, medium dense, fine-grained (Fill/Disturbed).		
	8/8/9			23.8	12.3		4		Silty Sand (SM); grayish brown, slightly moist, medium dense, fine-grained (Qyfb).		
							6				
	7/7/8			29.6	4.7	100.1	10		Silty Sand (SM); grayish brown, slightly moist, loose, fine-grained (Qyfb).		
							12				
	2/3/4			25.4	4.7		14		Silty Sand (SM); grayish brown, slightly moist, loose, fine-grained (Qyfb).		
							16				
	7/8/9			27.1	3.6	97.3	18		Silty Sand (SM); grayish brown, slightly moist, medium dense, fine-grained (Qyfb).		
							20				
	3/4/6			83.8	29.4		22		Sandy Silt (ML); grayish brown, slightly moist to moist, stiff, low plasticity (Qyfb).		
							24				
	7/10/11			13.5	3.6	112.5	26		Silty Sand (SM); grayish brown, slightly moist, medium dense, fine-grained (Qyfb).		
							28				
	6/8/8			16.5	5.5		30		Silty Sand (SM); grayish brown, slightly moist, medium dense, fine-grained (Qyfb).		
							32				
	7/10/12			59.6	10.5	103.8	34		Clayey Silt (ML); grayish brown, moist, stiff, low plasticity with sand (Qyfb).		
							36				
	7/8/10			37.4	12.9		38		Silty Sand (SM); grayish brown, slightly moist to moist, medium dense, fine-grained (Qyfb).		
							40				
	12/17/19			16.8	4.0	111.9	42		Silty Sand (SM); grayish brown, slightly moist, medium dense, fine-grained (Qyfb).		
							44				
Completion Notes: Terminated at ~51.5 Feet bgs. No Bedrock Encountered. No Groundwater or Seepage Encountered.								DOSNER ORGANIC FARMS NWC LATHAM AVE. & GILBERT ST., HEMET			
								Project No: 644-24039			
								Report No: 25-06-038			
								Page	6		

APPENDIX B

LABORATORY TESTING

APPENDIX B

LABORATORY TESTING

Representative bulk soil samples were obtained in the field and returned to our laboratory for additional observations and testing. Laboratory testing was generally performed in two phases. The first phase consisted of testing in order to determine the compaction of the existing natural soil and the general engineering classifications of the soils underlying the site. This testing was performed in order to estimate the engineering characteristics of the soil and to serve as a basis for selecting samples for the second phase of testing. The second phase consisted of soil mechanics testing. This testing including consolidation, shear strength and expansion testing was performed in order to provide a means of developing specific design recommendations based on the mechanical properties of the soil.

CLASSIFICATION AND COMPACTION TESTING

Maximum Density-Optimum Moisture Determinations: Representative soil types were selected for maximum density determinations. This testing was performed in accordance with the ASTM Standard D1557, Test Method A. Graphic representations of the results of this testing are presented in this appendix. The maximum densities are compared to the field densities of the soil in order to determine the existing relative compaction to the soil.

Classification Testing: Soil samples were selected for classification testing. This testing consists of mechanical grain size analyses. This provides information for developing classifications for the soil in accordance with the Unified Soil Classification System which is presented in the preceding appendix. This classification system categorizes the soil into groups having similar engineering characteristics. The results of this testing is very useful in detecting variations in the soil and in selecting samples for further testing.

SOIL MECHANIC'S TESTING

Expansion Testing: One (1) bulk sample was selected for Expansion testing. Expansion testing was performed in accordance with the UBC Standard 18-2. This testing consists of remolding 4-inch diameter by 1-inch thick test specimens to a moisture content and dry density corresponding to approximately 50 percent saturation. The samples are subjected to a surcharge of 144 pounds per square foot and allowed to reach equilibrium. At that point the specimens are inundated with distilled water. The linear expansion is then measured until complete.

Direct Shear Testing: One (1) bulk sample was selected for Direct Shear testing. This test measures the shear strength of the soil under various normal pressures and is used to develop parameters for foundation design and lateral design. Tests were performed using a recompacted test specimen that was saturated prior to tests. Tests were performed using a strain controlled test apparatus with normal pressures ranging from 800 to 2300 pounds per square foot.

Corrosion Series Testing: The soluble sulfate concentrations of the surface soil were determined in accordance with California Test Method Number (CA) 417. The pH and Minimum Resistivity were determined in accordance with CA 643. The soluble chloride concentrations were determined in accordance with CA 422.



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Maximum Density/Optimum Moisture

ASTM D698/D1557

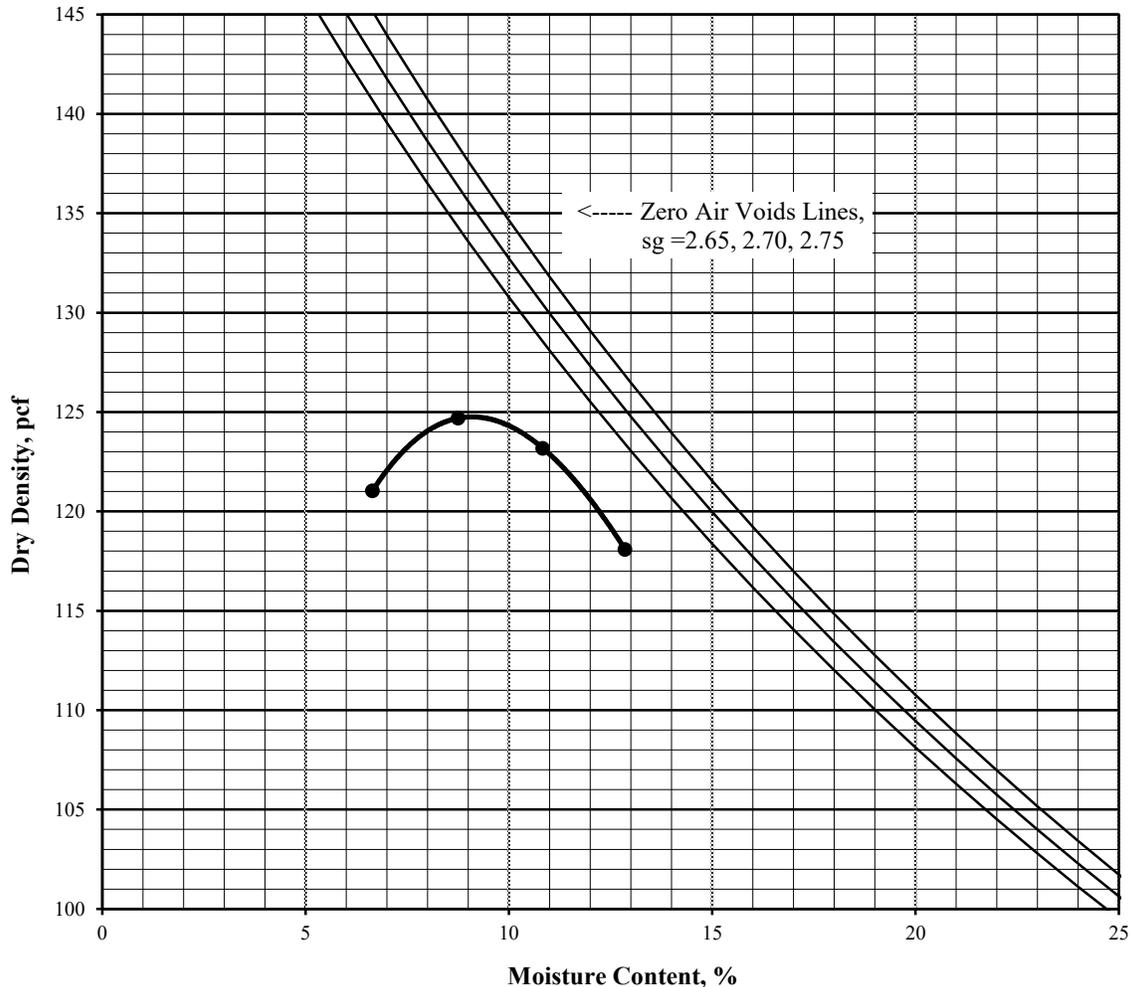
Project Number: 644-24039
Project Name: 630 Latham Avenue
Lab ID Number: LN6-25199
Sample Location: BH-1 Bulk 1 @ 0-5'
Description: Olive Brown Silty Sand (SM)

June 12, 2025

ASTM D-1557 A
Rammer Type: Machine

Maximum Density: 125 pcf
Optimum Moisture: 9.5%

Sieve Size	% Retained
3/4"	
3/8"	
#4	0.3





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Expansion Index

ASTM D 4829

Job Number: 644-24039
 Job Name: 630 Latham Avenue
 Lab ID Number: LN6-25199
 Sample ID: BH-1 Bulk 1 @ 0-5'
 Soil Description: Olive Brown Silty Sand (SM)

June 12, 2025

Wt of Soil + Ring:	585.0
Weight of Ring:	190.9
Wt of Wet Soil:	394.1
Percent Moisture:	8.3%
Sample Height, in	0.95
Wet Density, pcf:	126.1
Dry Denstiy, pcf:	116.4

% Saturation:	50.1
---------------	------

Expansion

Rack # 2

Date/Time	6/4/2025	2:30 PM
Initial Reading	0.0000	
Final Reading	0.0000	

Expansion Index

0

(Final - Initial) x 1000



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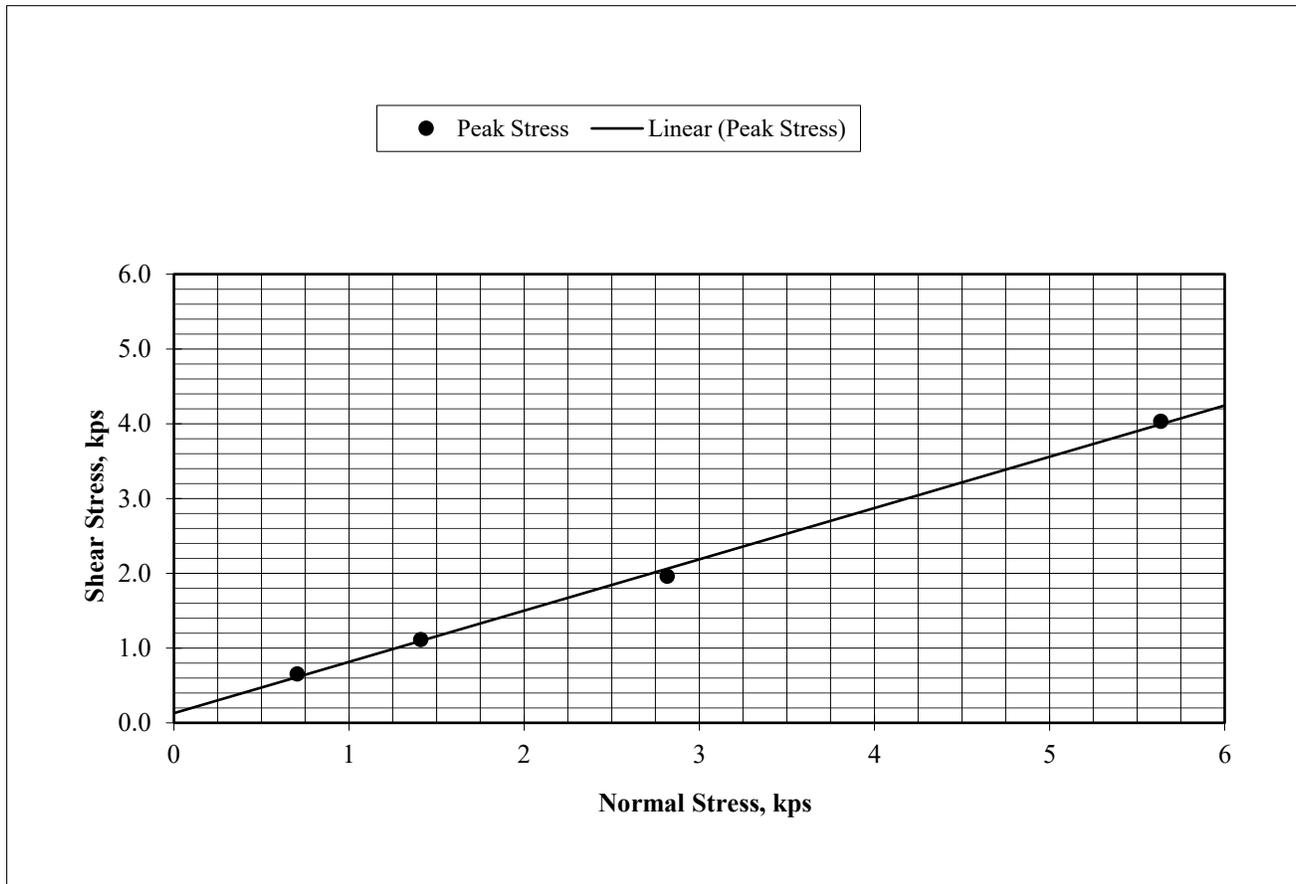
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Direct Shear ASTM D 3080-04 (modified for unconsolidated condition)

Job Number: 644-24039
Job Name 630 Latham Avenue
Lab ID No. LN6-25199
Sample ID BH-1 Bulk 1 @ 0-5'
Classification Olive Brown Silty Sand (SM)
Sample Type Remolded @ 90% of Maximum Density

June 12, 2025
Initial Dry Density: 112.6 pcf
Initial Moisture Content: 9.6 %
Peak Friction Angle (ϕ): 34°
Cohesion (c): 130 psf

Test Results	1	2	3	4	Average
Moisture Content, %	16.9	16.9	16.9	16.9	16.9
Saturation, %	92.0	92.0	92.0	92.0	92.0
Normal Stress, kps	0.704	1.409	2.817	5.635	
Peak Stress, kps	0.654	1.112	1.962	4.033	





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Gradation

ASTM C117 & C136

Project Number: 644-24039

June 12, 2025

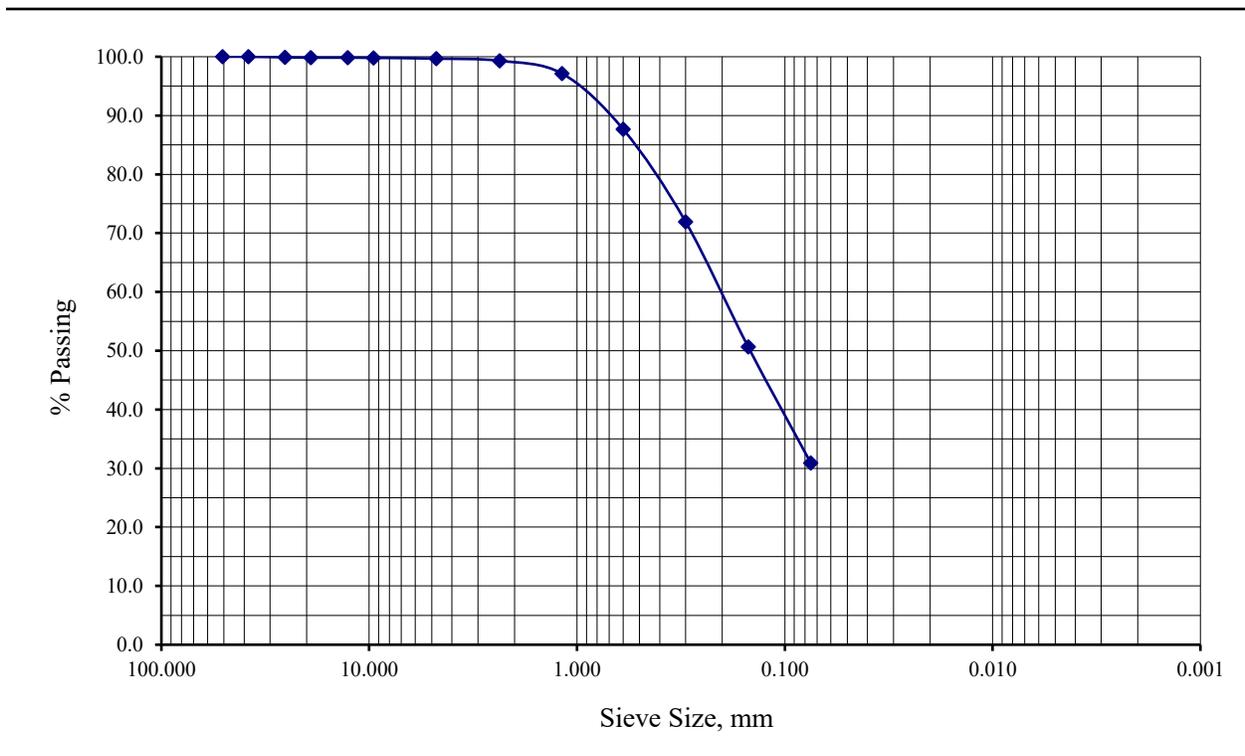
Project Name: 630 Latham Avenue

Lab ID Number: LN6-25199

Sample ID: BH-1 Bulk 1 @ 0-5'

Soil Classification: SM

Sieve Size, in	Sieve Size, mm	Percent Passing
2"	50.8	100.0
1 1/2"	38.1	100.0
1"	25.4	99.9
3/4"	19.1	99.8
1/2"	12.7	99.8
3/8"	9.53	99.8
#4	4.75	99.7
#8	2.36	99.3
#16	1.18	97.1
#30	0.60	87.7
#50	0.30	71.9
#100	0.15	50.6
#200	0.075	30.9





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Gradation

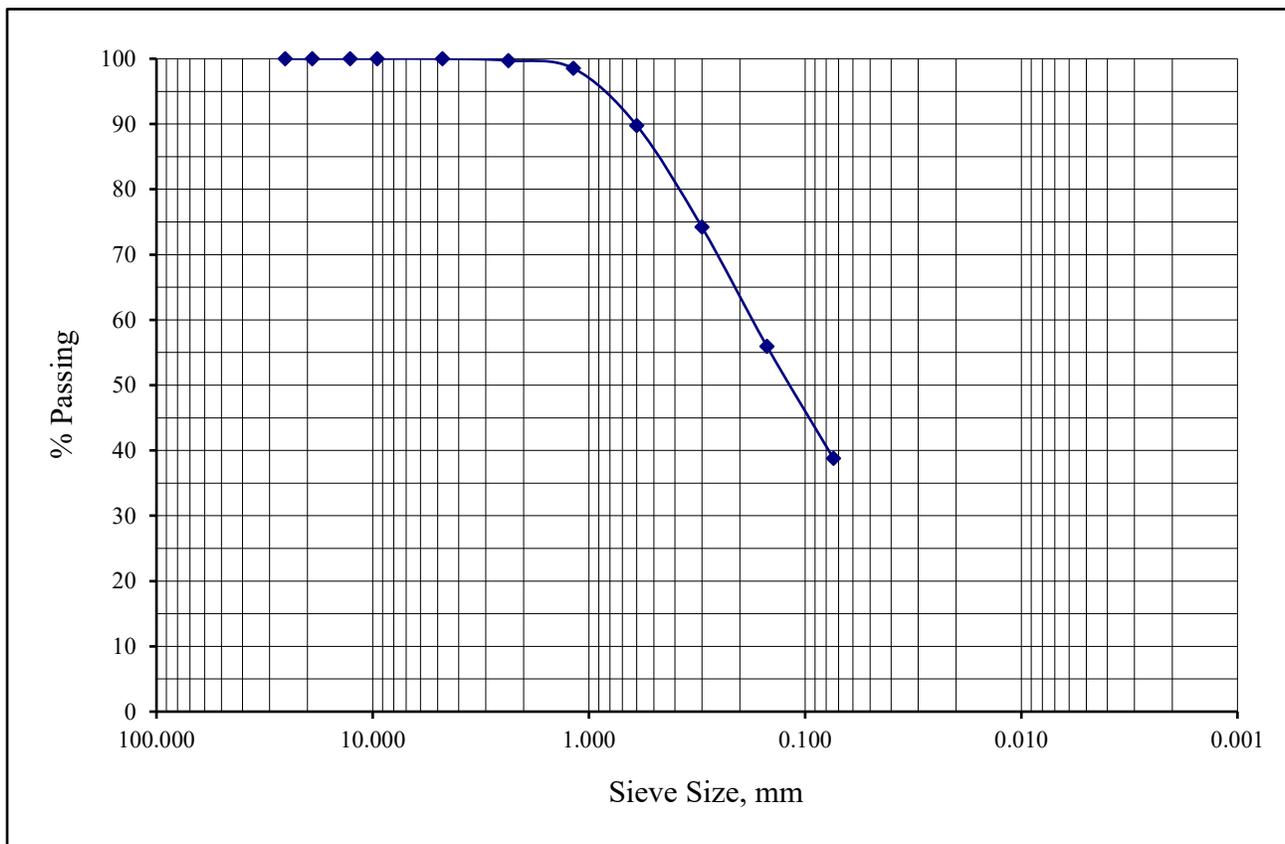
ASTM C117 & C136

Project Number: 644-24039
Project Name: 630 Latham Avenue
Lab ID Number: LN6-25199
Sample ID: BH-1 R-6 @ 25'

June 12, 2025

Soil Classification: SM

Sieve Size, in	Sieve Size, mm	Percent Passing
1"	25.4	100.0
3/4"	19.1	100.0
1/2"	12.7	100.0
3/8"	9.53	100.0
#4	4.75	100.0
#8	2.36	99.7
#16	1.18	98.5
#30	0.60	89.8
#50	0.30	74.2
#100	0.15	55.9
#200	0.074	38.8





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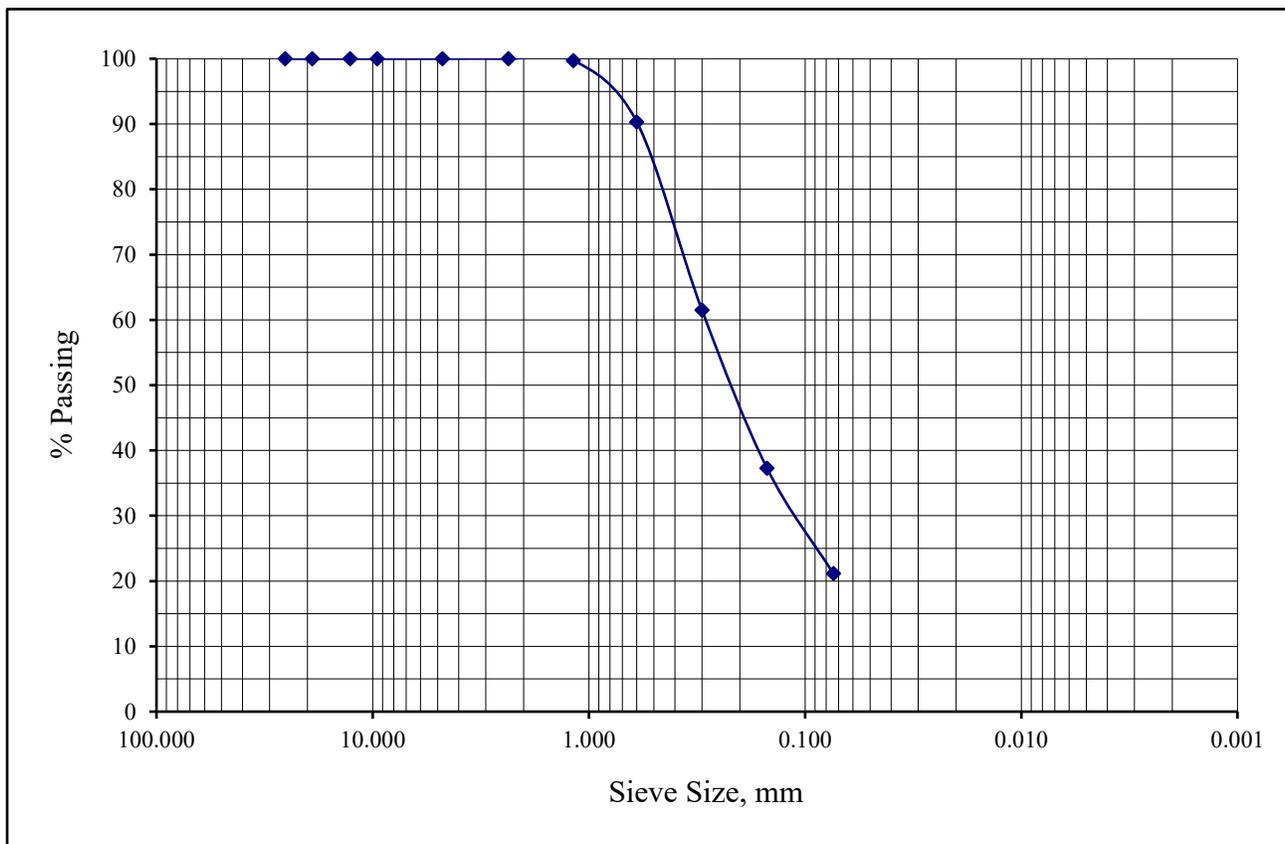
ASTM C117 & C136

Project Number: 644-24039
Project Name: 630 Latham Avenue
Lab ID Number: LN6-25199
Sample ID: BH-1 S-7 @ 30'

June 12, 2025

Soil Classification: SM

Sieve Size, in	Sieve Size, mm	Percent Passing
1"	25.4	100.0
3/4"	19.1	100.0
1/2"	12.7	100.0
3/8"	9.53	100.0
#4	4.75	100.0
#8	2.36	100.0
#16	1.18	99.7
#30	0.60	90.3
#50	0.30	61.5
#100	0.15	37.3
#200	0.074	21.1





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Gradation

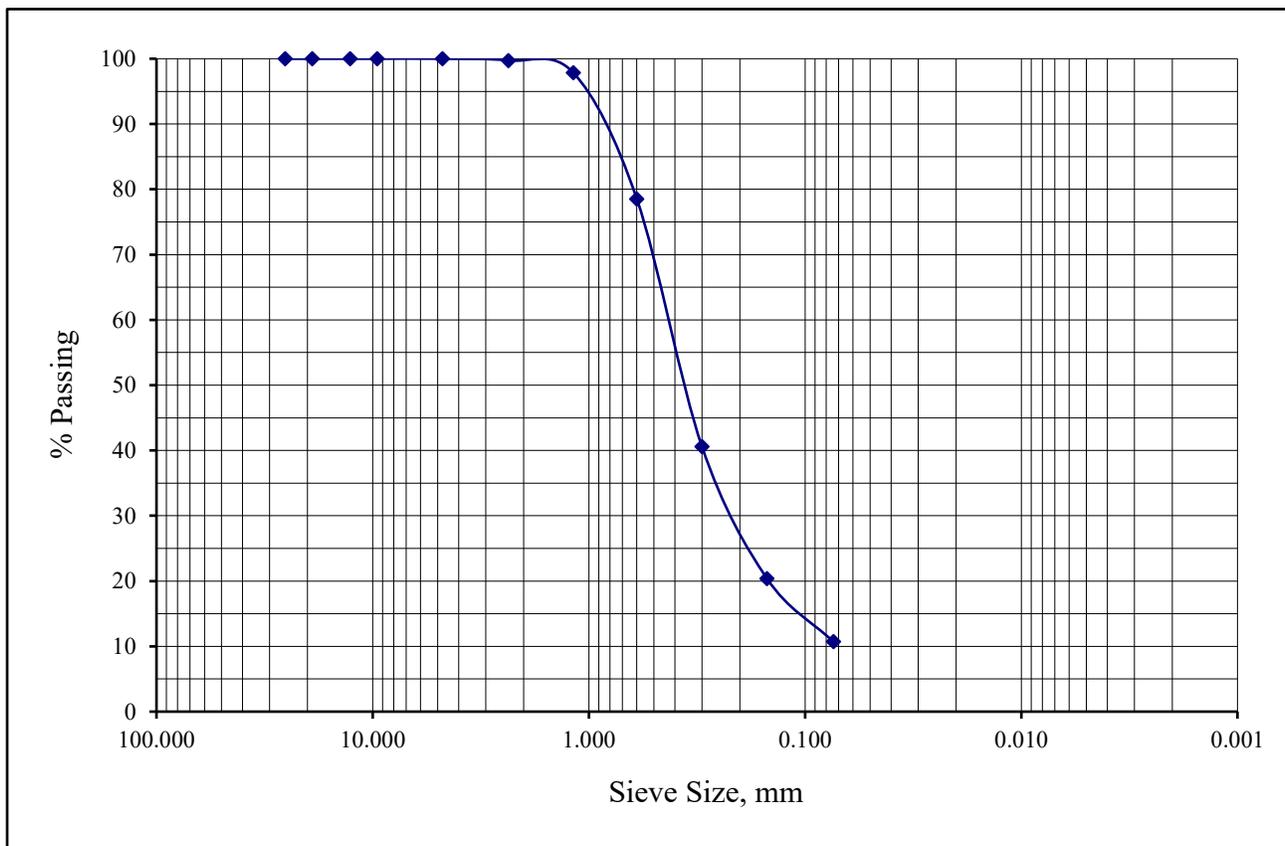
ASTM C117 & C136

Project Number: 644-24039
Project Name: 630 Latham Avenue
Lab ID Number: LN6-25199
Sample ID: BH-1 S-11 @ 50'

June 12, 2025

Soil Classification: SP-SM

Sieve Size, in	Sieve Size, mm	Percent Passing
1"	25.4	100.0
3/4"	19.1	100.0
1/2"	12.7	100.0
3/8"	9.53	100.0
#4	4.75	100.0
#8	2.36	99.7
#16	1.18	97.9
#30	0.60	78.5
#50	0.30	40.6
#100	0.15	20.4
#200	0.074	10.7





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One Dimensional Consolidation

ASTM D2435 & D5333

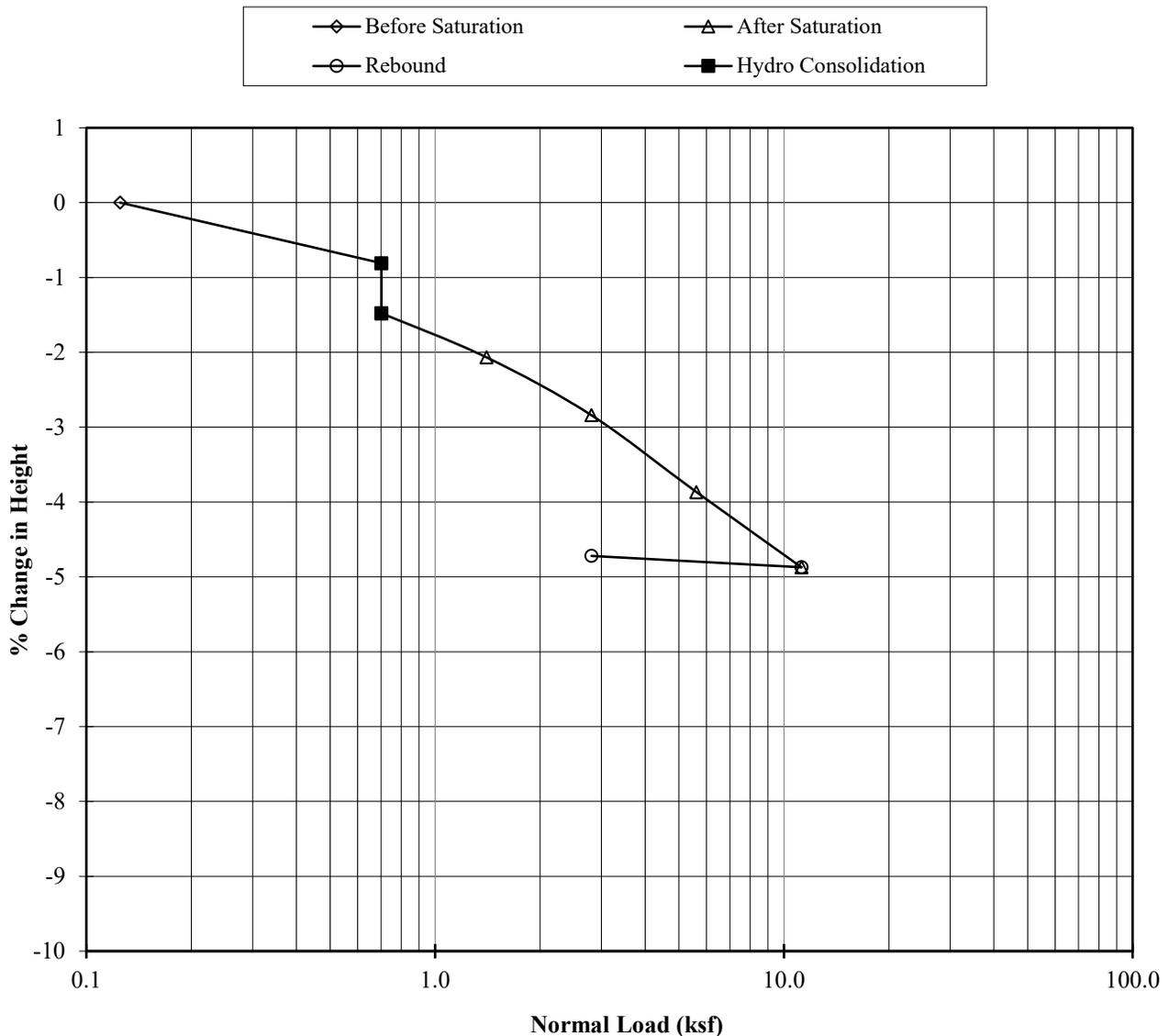
Job Number: 644-24039
Job Name: 630 Latham Avenue
Lab ID Number: LN6-25199
Sample ID: BH-1 R-6 @ 25'
Soil Description: Olive Brown Silty Sand

June 12, 2025

Initial Dry Density, pcf: 107.1
Initial Moisture, %: 9.5
Initial Void Ratio: 0.557
Specific Gravity: 2.67

Hydrocollapse: 0.7% @ 0.702 ksf

% Change in Height vs Normal Pressure Diagram





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45090 Golf Center Pkwy, Suite F, Indio, CA 92201 (760) 863-0713 Fax (760) 863-0847
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Date: June 6th, 2025

Account No.: 644-24039

Customer: Dosner Organic Farms

Location: Dosner Organic Farms, 630 Latham Avenue, Hemet

Analytical Report

Corrosion Series

BH-1 @ 0-5'	pH per CA 643	Soluble Sulfates per CA 417 ppm	Soluble Chloride per CA 422 ppm	Min. Resistivity per CA 643 ohm-cm
	8.0	20	80	6,200

APPENDIX C

**SEISMIC DESIGN MAP AND REPORT
SITE-SPECIFIC GROUND MOTION PARAMETERS**

SITE-SPECIFIC GROUND MOTION ANALYSIS (ASCE 7-16)

Project: Dosner Organic Farms
 Project Number: 644-24039
 Client: Dosner Organic Farms
 Site Lat/Long: 33.7498/ -116.9767
 Controlling Seismic Source: San Jacinto

REFERENCE	NOTATION	VALUE	REFERENCE	NOTATION	VALUE	REFERENCE	NOTATION	VALUE	REFERENCE	NOTATION	VALUE
Site Class	C, D, D default, or E	D measured	F _v (Table 11.4-2)[Used for General Spectrum]	F _v	1.7						
Site Class D - Table 11.4-1	F _a	1.0	Design Maps	S _s	2.072	0.2*(S _{DI} /S _{DS})	T ₀	0.137*			
Site Class D - 21.3(ii)	F _v	2.5	Design Maps	S ₁	0.832	S _{DI} /S _{DS}	T _s	0.683*			
0.2*(S _{DI} /S _{DS})	T ₀	0.201	Equation 11.4-1 - F _a *S _s	S _{MS}	2.072*	Equation 11.4-4 - 2/3*S _{MI}	S _{DI}	0.9429*			
S _{DI} /S _{DS}	T _s	1.004	Equation 11.4-3 - 2/3*S _{MS}	S _{DS}	1.381*	Equation 11.4-2 - F _v *S ₁	S _{MI}	1.4144*			
Fundamental Period (12.8.2)	T	Period	Design Maps	PGA	0.889						
Seismic Design Maps or Fig 22-14	T _L	8	Table 11.8-1	F _{PEA}	1.1						
Equation 11.4-4 - 2/3*S _{MI}	S _{DI}	1.3867	Equation 11.8-1 - F _{PEA} *PGA	PGA _M	0.978*						
Equation 11.4-2 - F _v *S ₁ ¹	S _{MI}	2.0800	Section 21.5.3	80% of PGA _M	0.782						
¹ - F _v s determined by Section 21.3			Design Maps	C _{RS}	0.893						
Cr - At Periods <=0.2, Cr=C _{RS}	C _{RS}	0.893	Design Maps	C _{R1}	0.879						
Cr - At Periods >=1.0, Cr=C _{R1}	C _{R1}	0.879	Design Maps								

RISK COEFFICIENT

Cr - At Periods between 0.2 and 1.0 use trendline formula to complete

Period	Cr
0.200	0.893
0.300	0.891
0.400	0.890
0.500	0.888
0.600	0.886
0.680	0.885
1.000	0.879

* Code based design value. See accompanying data for Site Specific Design values.

Mapped values from <https://hazardis.atocouncil.org/>
<https://www.seismicmaps.org/>



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PROBABILISTIC SPECTRA¹
2% in 50 year Exceedence

Project No: 644-24039

Period	UGHM	RTGM	Max Directional Scale Factor ²	Probabilistic MCE
0.010	0.906	0.859	1.19	1.022
0.100	1.478	1.439	1.19	1.712
0.200	1.936	1.903	1.20	2.284
0.300	2.244	2.123	1.22	2.590
0.500	2.290	2.089	1.23	2.569
0.750	1.956	1.755	1.24	2.176
1.000	1.701	1.512	1.24	1.875
2.000	1.048	0.914	1.24	1.133
3.000	0.740	0.645	1.25	0.806
4.000	0.543	0.473	1.25	0.591
5.000	0.418	0.362	1.26	0.456

¹ Data Sources:

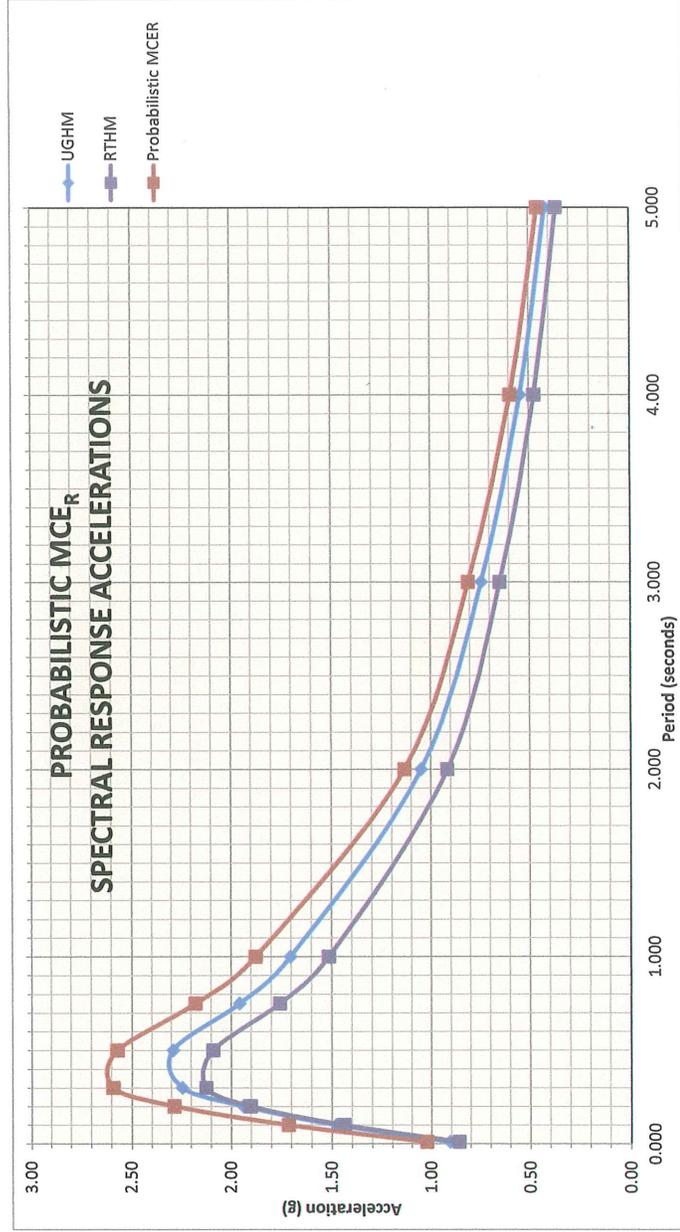
<https://earthquake.usgs.gov/hazards/interactive/>

<https://earthquake.usgs.gov/designmaps/rtgm/>

² Shahi-Baker RotD100/RotD50 Factors (2014)

Probabilistic PGA: 0.906

Is Probabilistic $S_{a(max)} < 1.2F_g$? NO



DETERMINISTIC SPECTRUM

Largest Amplitudes of Ground Motions Considering All Sources Calculated using Weighted Mean of Attenuation Equations¹
 Controlling Source: San Jacinto

Is Probabilistic $S_{a(max)} < 1.2F_a$? **NO**

Project No: 644-24039

Period	Deterministic PSa Median + 1.σ for 5% Damping	Max Directional Scale Factor ²	Deterministic MCE	Section 21.2.2.2 Scaling Factor Applied
0.010	0.982	1.19	1.169	1.169
0.020	0.989	1.19	1.177	1.177
0.030	0.999	1.19	1.189	1.189
0.050	1.035	1.19	1.232	1.232
0.075	1.214	1.19	1.445	1.445
0.100	1.418	1.19	1.687	1.687
0.150	1.711	1.20	2.053	2.053
0.200	1.916	1.20	2.299	2.299
0.250	2.107	1.21	2.550	2.550
0.300	2.221	1.22	2.710	2.710
0.400	2.335	1.23	2.872	2.872
0.500	2.324	1.23	2.858	2.858
0.750	1.987	1.24	2.464	2.464
1.000	1.738	1.24	2.156	2.156
1.500	1.305	1.24	1.618	1.618
2.000	1.018	1.24	1.263	1.263
3.000	0.731	1.25	0.914	0.914
4.000	0.517	1.25	0.646	0.646
5.000	0.387	1.26	0.488	0.488

Is Deterministic $S_{a(max)} < 1.5 * F_a$? **NO**

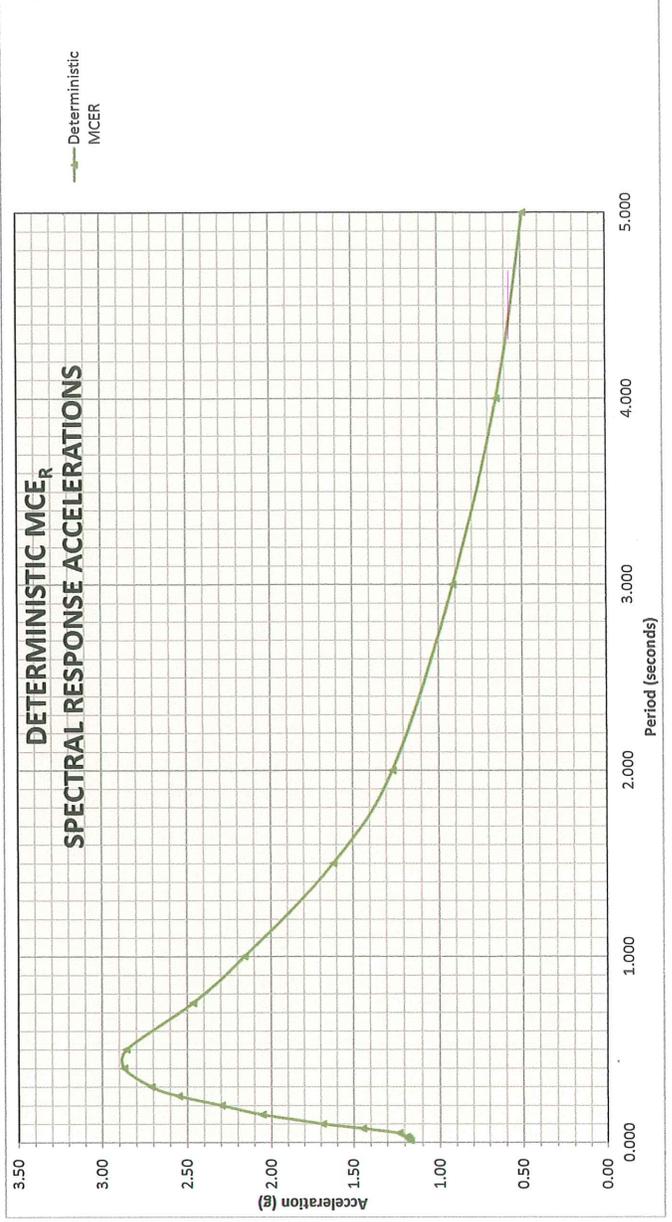
Section 21.2.2.2 Scaling Factor: **N/A**

Deterministic PGA: **0.982**

Is Deterministic PGA $>= F_{PGA} * 0.5$? **YES**

¹ NGAWest 2 GMPE worksheet and Uniform California Earthquake Rupture Forecast, Version 3 (UCERF3) - Time Dependent Model

² Shah-Baker RotD100/RotD50 Factors (2014)



SITE SPECIFIC SPECTRA

Period	Probabilistic MCE	Deterministic MCE	Site-Specific MCE	Design Response Spectrum (Sa)
0.010	1.022	1.169	1.022	0.681
0.100	1.712	1.687	1.687	1.125
0.200	2.284	2.299	2.284	1.522
0.300	2.590	2.710	2.590	1.727
0.500	2.569	2.858	2.569	1.713
0.750	2.176	2.464	2.176	1.451
1.000	1.875	2.156	1.875	1.250
2.000	1.133	1.263	1.133	0.756
3.000	0.806	0.914	0.806	0.538
4.000	0.591	0.646	0.591	0.394
5.000	0.456	0.488	0.456	0.304

ASCE 7-16: Section 21.4

Site Specific

	Calculated Value	Design Value
SDS:	1.554	1.554
SD1:	1.613	1.613
SMS:	2.331	2.331
SM1:	2.419	2.419
Site Specific PGAm:	0.906	0.906

Site Class: D measured

Seismic Design Category - Short* E

Seismic Design Category - 1s* E

* Risk Categories I, II, or III

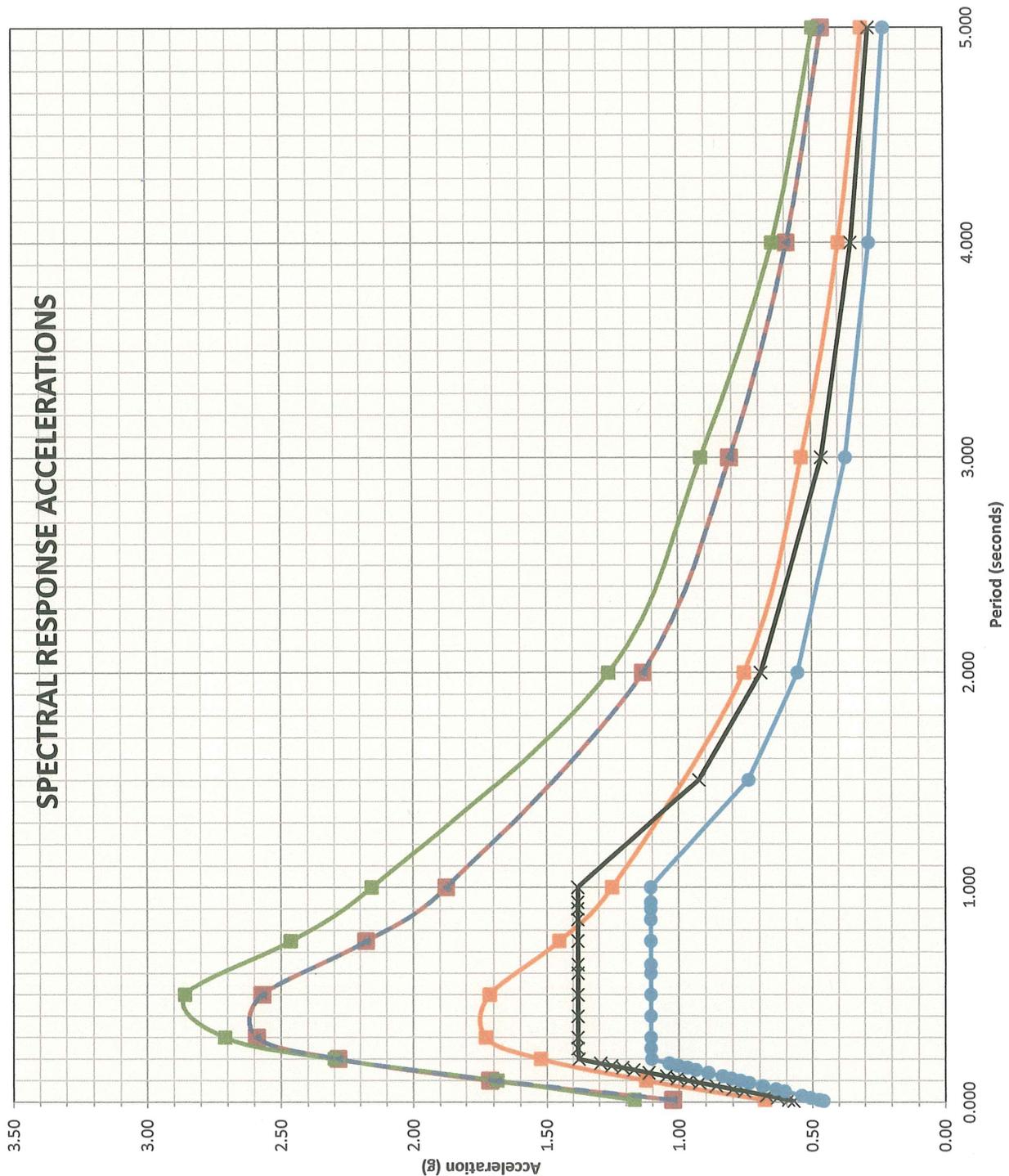
Period	ASCE 7 SECTION 21.3 General Spectrum	80% General Response Spectrum
0.005	0.573	0.459
0.010	0.594	0.475
0.020	0.635	0.508
0.030	0.676	0.541
0.050	0.759	0.607
0.060	0.800	0.640
0.075	0.862	0.690
0.090	0.924	0.739
0.100	0.965	0.772
0.110	1.007	0.805
0.120	1.048	0.838
0.136	1.114	0.891
0.150	1.172	0.937
0.160	1.213	0.970
0.170	1.254	1.003
0.180	1.296	1.036
0.200	1.378	1.103
0.250	1.381	1.105
0.300	1.381	1.105
0.400	1.381	1.105
0.500	1.381	1.105
0.600	1.381	1.105
0.640	1.381	1.105
0.750	1.381	1.105
0.850	1.381	1.105
0.900	1.381	1.105
0.930	1.381	1.105
1.000	1.381	1.105
1.500	0.924	0.740
2.000	0.693	0.555
3.000	0.462	0.370
4.000	0.347	0.277
5.000	0.277	0.222

Project No: 644-24039



SPECTRAL RESPONSE ACCELERATIONS

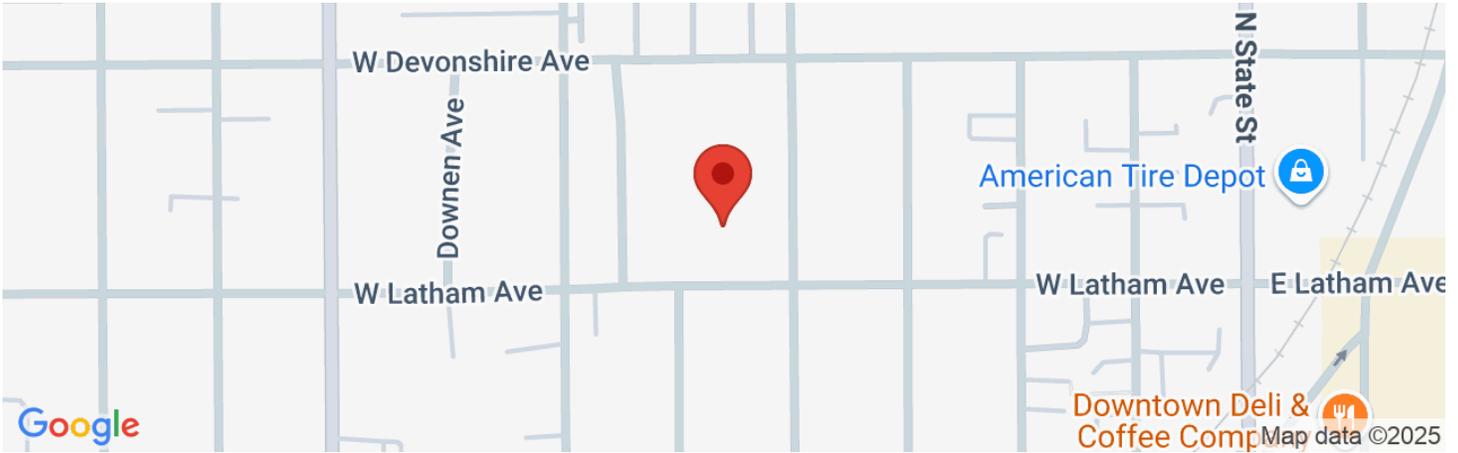
- Probabilistic MCE
- Deterministic MCE
- ▲ Site-Specific MCE
- Design Response Spectrum
- × ASCE 7 Section 21.3 General Spectrum
- 80% General Response Spectrum



Announcement
ASCE 7-22 is now available.



Latitude, Longitude: 33.7498, -116.9767



Date	6/3/2025, 3:10:10 PM
Design Code Reference Document	ASCE7-16
Risk Category	II
Site Class	D

Type	Value	Description
S_S	2.072	MCE_R ground motion. (for 0.2 second period)
S_1	0.832	MCE_R ground motion. (for 1.0s period)
S_{MS}	2.072	Site-modified spectral acceleration value
S_{M1}	null -See Section 11.4.8	Site-modified spectral acceleration value
S_{DS}	1.381	Numeric seismic design value at 0.2 second SA
S_{D1}	null -See Section 11.4.8	Numeric seismic design value at 1.0 second SA

Type	Value	Description
SDC	null -See Section 11.4.8	Seismic design category
F_a	1	Site amplification factor at 0.2 second
F_v	null -See Section 11.4.8	Site amplification factor at 1.0 second
PGA	0.889	MCE_G peak ground acceleration
F_{PGA}	1.1	Site amplification factor at PGA
PGA_M	0.978	Site modified peak ground acceleration
T_L	8	Long-period transition period in seconds
S_{sRT}	2.072	Probabilistic risk-targeted ground motion. (0.2 second)
S_{sUH}	2.319	Factored uniform-hazard (2% probability of exceedance in 50 years) spectral acceleration
S_{sD}	2.106	Factored deterministic acceleration value. (0.2 second)
S_{1RT}	0.832	Probabilistic risk-targeted ground motion. (1.0 second)
S_{1UH}	0.947	Factored uniform-hazard (2% probability of exceedance in 50 years) spectral acceleration.
S_{1D}	0.837	Factored deterministic acceleration value. (1.0 second)
PGA_d	0.889	Factored deterministic acceleration value. (Peak Ground Acceleration)
PGA_{UH}	0.934	Uniform-hazard (2% probability of exceedance in 50 years) Peak Ground Acceleration
C_{RS}	0.893	Mapped value of the risk coefficient at short periods

Type	Value	Description
C_{R1}	0.879	Mapped value of the risk coefficient at a period of 1 s
C_V	1.5	Vertical coefficient

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APPENDIX D

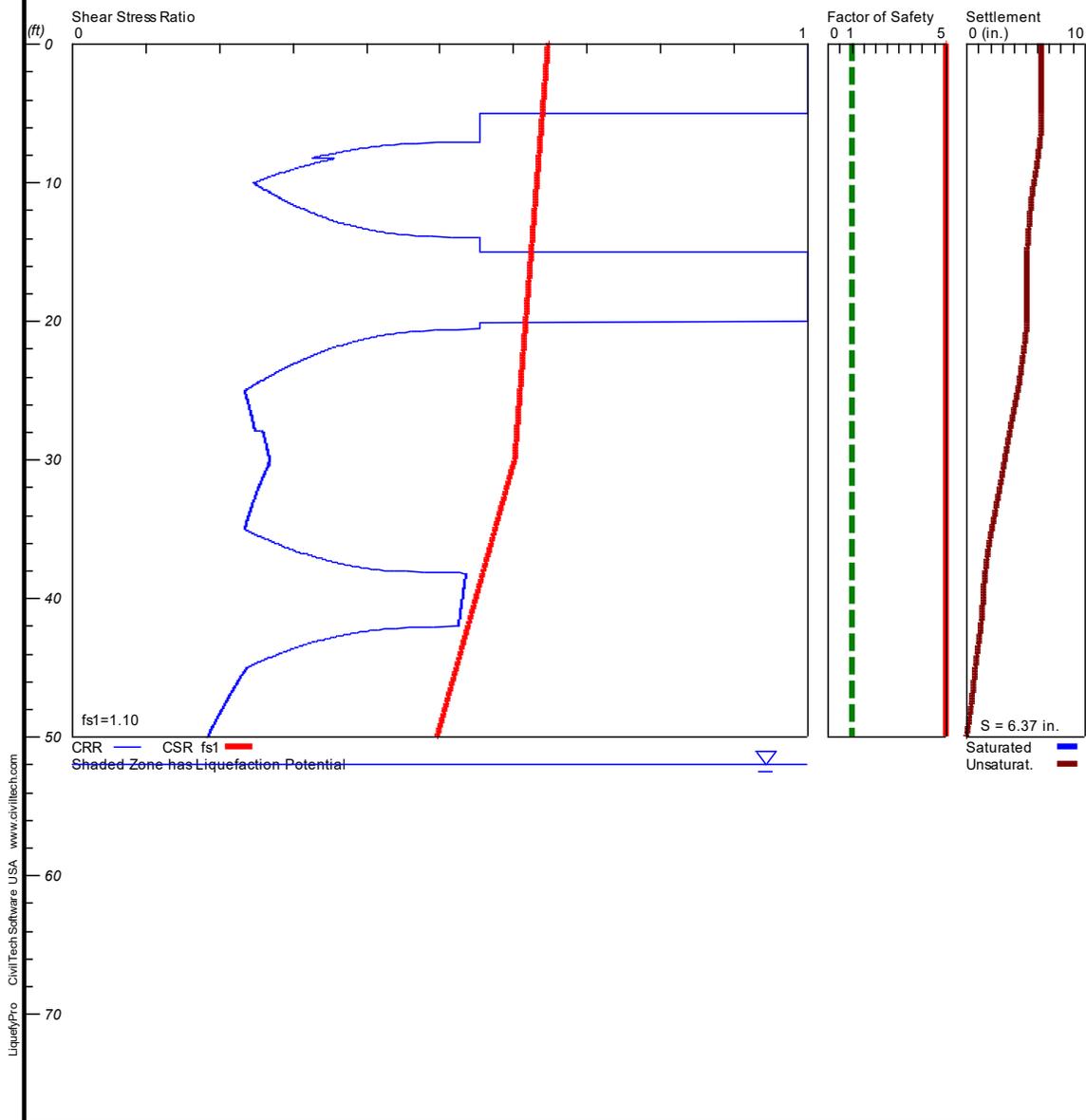
DRY SAND SETTLEMENT CALCULATIONS

DRY SAND SETTLEMENT

644-24039

Hole No.=BH-1 Water Depth=52 ft Surface Elev.=1580

Magnitude=7.2
Acceleration=0.906g



LIQUEFACTION ANALYSIS SUMMARY

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Input File Name: E:\Liquefy5\644-24039 Dosner BH-1.liq
Title: 644-24039
Subtitle: DOSNER ORGANIC FARMS

Surface Elev.=1580
Hole No.=BH-1
Depth of Hole= 50.00 ft
Water Table during Earthquake= 52.00 ft
Water Table during In-Situ Testing= 52.00 ft
Max. Acceleration= 0.91 g
Earthquake Magnitude= 7.20

Input Data:

Surface Elev.=1580
Hole No.=BH-1
Depth of Hole=50.00 ft
Water Table during Earthquake= 52.00 ft
Water Table during In-Situ Testing= 52.00 ft
Max. Acceleration=0.91 g
Earthquake Magnitude=7.20
No-Liquefiable Soils: CL, OL are Non-Liq. Soil

1. SPT or BPT Calculation.
 2. Settlement Analysis Method: Ishihara / Yoshimine
 3. Fines Correction for Liquefaction: Modify Stark/Olson
 4. Fine Correction for Settlement: During Liquefaction*
 5. Settlement Calculation in: All zones*
 6. Hammer Energy Ratio, $C_e = 1.25$
 7. Borehole Diameter, $C_b = 1$
 8. Sampling Method, $C_s = 1$
 9. User request factor of safety (apply to CSR) , User= 1.1
Plot one CSR curve ($f_{s1} = \text{User}$)
 10. Use Curve Smoothing: Yes*
- * Recommended Options

In-Situ Test Data:

Depth SPT γ Fines

ft		pcf	%
0.00	20.00	113.90	NoLiq
2.00	20.00	113.90	NoLiq
5.00	8.66	104.70	NoLiq
10.00	8.00	104.70	40.70
15.00	8.00	98.00	NoLiq
20.00	7.00	98.00	NoLiq
25.00	10.66	120.40	38.80
30.00	18.00	120.40	21.10
35.00	12.00	112.40	41.20
40.00	15.00	112.40	NoLiq
45.00	24.00	117.50	11.00
50.00	20.00	117.50	10.70

Output Results:

Settlement of Saturated Sands=0.00 in.

Settlement of Unsaturated Sands=6.37 in.

Total Settlement of Saturated and Unsaturated Sands=6.37 in.

Differential Settlement=3.186 to 4.206 in.

Depth ft	CRRm	CSRfs	F.S.	S_sat. in.	S_dry in.	S_all in.
0.00	2.00	0.65	5.00	0.00	6.37	6.37
0.05	2.00	0.65	5.00	0.00	6.37	6.37
0.10	2.00	0.65	5.00	0.00	6.37	6.37
0.15	2.00	0.65	5.00	0.00	6.37	6.37
0.20	2.00	0.65	5.00	0.00	6.37	6.37
0.25	2.00	0.65	5.00	0.00	6.37	6.37
0.30	2.00	0.65	5.00	0.00	6.37	6.37
0.35	2.00	0.65	5.00	0.00	6.37	6.37
0.40	2.00	0.65	5.00	0.00	6.37	6.37
0.45	2.00	0.65	5.00	0.00	6.37	6.37
0.50	2.00	0.65	5.00	0.00	6.37	6.37
0.55	2.00	0.65	5.00	0.00	6.37	6.37
0.60	2.00	0.65	5.00	0.00	6.37	6.37
0.65	2.00	0.65	5.00	0.00	6.37	6.37
0.70	2.00	0.65	5.00	0.00	6.37	6.37
0.75	2.00	0.65	5.00	0.00	6.37	6.37
0.80	2.00	0.65	5.00	0.00	6.37	6.37
0.85	2.00	0.65	5.00	0.00	6.37	6.37
0.90	2.00	0.65	5.00	0.00	6.37	6.37
0.95	2.00	0.65	5.00	0.00	6.37	6.37
1.00	2.00	0.65	5.00	0.00	6.37	6.37
1.05	2.00	0.65	5.00	0.00	6.37	6.37
1.10	2.00	0.65	5.00	0.00	6.37	6.37
1.15	2.00	0.65	5.00	0.00	6.37	6.37
1.20	2.00	0.65	5.00	0.00	6.37	6.37

1.25	2.00	0.65	5.00	0.00	6.37	6.37
1.30	2.00	0.65	5.00	0.00	6.37	6.37
1.35	2.00	0.65	5.00	0.00	6.37	6.37
1.40	2.00	0.65	5.00	0.00	6.37	6.37
1.45	2.00	0.65	5.00	0.00	6.37	6.37
1.50	2.00	0.65	5.00	0.00	6.37	6.37
1.55	2.00	0.65	5.00	0.00	6.37	6.37
1.60	2.00	0.65	5.00	0.00	6.37	6.37
1.65	2.00	0.65	5.00	0.00	6.37	6.37
1.70	2.00	0.65	5.00	0.00	6.37	6.37
1.75	2.00	0.65	5.00	0.00	6.37	6.37
1.80	2.00	0.65	5.00	0.00	6.37	6.37
1.85	2.00	0.64	5.00	0.00	6.37	6.37
1.90	2.00	0.64	5.00	0.00	6.37	6.37
1.95	2.00	0.64	5.00	0.00	6.37	6.37
2.00	2.00	0.64	5.00	0.00	6.37	6.37
2.05	2.00	0.64	5.00	0.00	6.37	6.37
2.10	2.00	0.64	5.00	0.00	6.37	6.37
2.15	2.00	0.64	5.00	0.00	6.37	6.37
2.20	2.00	0.64	5.00	0.00	6.37	6.37
2.25	2.00	0.64	5.00	0.00	6.37	6.37
2.30	2.00	0.64	5.00	0.00	6.37	6.37
2.35	2.00	0.64	5.00	0.00	6.37	6.37
2.40	2.00	0.64	5.00	0.00	6.37	6.37
2.45	2.00	0.64	5.00	0.00	6.37	6.37
2.50	2.00	0.64	5.00	0.00	6.37	6.37
2.55	2.00	0.64	5.00	0.00	6.37	6.37
2.60	2.00	0.64	5.00	0.00	6.37	6.37
2.65	2.00	0.64	5.00	0.00	6.37	6.37
2.70	2.00	0.64	5.00	0.00	6.37	6.37
2.75	2.00	0.64	5.00	0.00	6.37	6.37
2.80	2.00	0.64	5.00	0.00	6.37	6.37
2.85	2.00	0.64	5.00	0.00	6.37	6.37
2.90	2.00	0.64	5.00	0.00	6.37	6.37
2.95	2.00	0.64	5.00	0.00	6.37	6.37
3.00	2.00	0.64	5.00	0.00	6.37	6.37
3.05	2.00	0.64	5.00	0.00	6.37	6.37
3.10	2.00	0.64	5.00	0.00	6.37	6.37
3.15	2.00	0.64	5.00	0.00	6.37	6.37
3.20	2.00	0.64	5.00	0.00	6.37	6.37
3.25	2.00	0.64	5.00	0.00	6.37	6.37
3.30	2.00	0.64	5.00	0.00	6.37	6.37
3.35	2.00	0.64	5.00	0.00	6.37	6.37
3.40	2.00	0.64	5.00	0.00	6.37	6.37
3.45	2.00	0.64	5.00	0.00	6.37	6.37
3.50	2.00	0.64	5.00	0.00	6.37	6.37
3.55	2.00	0.64	5.00	0.00	6.37	6.37
3.60	2.00	0.64	5.00	0.00	6.37	6.37
3.65	2.00	0.64	5.00	0.00	6.37	6.37
3.70	2.00	0.64	5.00	0.00	6.37	6.37

3.75	2.00	0.64	5.00	0.00	6.37	6.37
3.80	2.00	0.64	5.00	0.00	6.37	6.37
3.85	2.00	0.64	5.00	0.00	6.37	6.37
3.90	2.00	0.64	5.00	0.00	6.37	6.37
3.95	2.00	0.64	5.00	0.00	6.37	6.37
4.00	2.00	0.64	5.00	0.00	6.37	6.37
4.05	2.00	0.64	5.00	0.00	6.37	6.37
4.10	2.00	0.64	5.00	0.00	6.37	6.37
4.15	2.00	0.64	5.00	0.00	6.37	6.37
4.20	2.00	0.64	5.00	0.00	6.37	6.37
4.25	2.00	0.64	5.00	0.00	6.37	6.37
4.30	2.00	0.64	5.00	0.00	6.37	6.37
4.35	2.00	0.64	5.00	0.00	6.37	6.37
4.40	2.00	0.64	5.00	0.00	6.37	6.37
4.45	2.00	0.64	5.00	0.00	6.37	6.37
4.50	2.00	0.64	5.00	0.00	6.37	6.37
4.55	2.00	0.64	5.00	0.00	6.37	6.37
4.60	2.00	0.64	5.00	0.00	6.37	6.37
4.65	2.00	0.64	5.00	0.00	6.37	6.37
4.70	2.00	0.64	5.00	0.00	6.37	6.37
4.75	2.00	0.64	5.00	0.00	6.37	6.37
4.80	2.00	0.64	5.00	0.00	6.37	6.37
4.85	2.00	0.64	5.00	0.00	6.37	6.37
4.90	2.00	0.64	5.00	0.00	6.37	6.37
4.95	2.00	0.64	5.00	0.00	6.37	6.37
5.00	0.55	0.64	5.00	0.00	6.37	6.37
5.05	0.55	0.64	5.00	0.00	6.37	6.37
5.10	0.55	0.64	5.00	0.00	6.37	6.37
5.15	0.55	0.64	5.00	0.00	6.37	6.37
5.20	0.55	0.64	5.00	0.00	6.37	6.37
5.25	0.55	0.64	5.00	0.00	6.37	6.37
5.30	0.55	0.64	5.00	0.00	6.37	6.37
5.35	0.55	0.64	5.00	0.00	6.37	6.37
5.40	0.55	0.64	5.00	0.00	6.37	6.37
5.45	0.55	0.64	5.00	0.00	6.37	6.37
5.50	0.55	0.64	5.00	0.00	6.37	6.37
5.55	0.55	0.64	5.00	0.00	6.36	6.36
5.60	0.55	0.64	5.00	0.00	6.36	6.36
5.65	0.55	0.64	5.00	0.00	6.36	6.36
5.70	0.55	0.64	5.00	0.00	6.36	6.36
5.75	0.55	0.64	5.00	0.00	6.36	6.36
5.80	0.55	0.64	5.00	0.00	6.36	6.36
5.85	0.55	0.64	5.00	0.00	6.35	6.35
5.90	0.55	0.64	5.00	0.00	6.35	6.35
5.95	0.55	0.64	5.00	0.00	6.35	6.35
6.00	0.55	0.64	5.00	0.00	6.35	6.35
6.05	0.55	0.64	5.00	0.00	6.35	6.35
6.10	0.55	0.64	5.00	0.00	6.34	6.34
6.15	0.55	0.64	5.00	0.00	6.34	6.34
6.20	0.55	0.64	5.00	0.00	6.34	6.34

6.25	0.55	0.64	5.00	0.00	6.33	6.33
6.30	0.55	0.64	5.00	0.00	6.33	6.33
6.35	0.55	0.64	5.00	0.00	6.32	6.32
6.40	0.55	0.64	5.00	0.00	6.32	6.32
6.45	0.55	0.64	5.00	0.00	6.31	6.31
6.50	0.55	0.64	5.00	0.00	6.31	6.31
6.55	0.55	0.64	5.00	0.00	6.30	6.30
6.60	0.55	0.64	5.00	0.00	6.30	6.30
6.65	0.55	0.64	5.00	0.00	6.29	6.29
6.70	0.55	0.64	5.00	0.00	6.28	6.28
6.75	0.55	0.64	5.00	0.00	6.28	6.28
6.80	0.55	0.64	5.00	0.00	6.27	6.27
6.85	0.55	0.64	5.00	0.00	6.27	6.27
6.90	0.55	0.64	5.00	0.00	6.26	6.26
6.95	0.55	0.64	5.00	0.00	6.25	6.25
7.00	0.55	0.64	5.00	0.00	6.25	6.25
7.05	0.55	0.64	5.00	0.00	6.24	6.24
7.10	0.50	0.64	5.00	0.00	6.23	6.23
7.15	0.47	0.64	5.00	0.00	6.23	6.23
7.20	0.45	0.64	5.00	0.00	6.22	6.22
7.25	0.43	0.64	5.00	0.00	6.21	6.21
7.30	0.42	0.64	5.00	0.00	6.21	6.21
7.35	0.41	0.64	5.00	0.00	6.20	6.20
7.40	0.41	0.64	5.00	0.00	6.19	6.19
7.45	0.40	0.64	5.00	0.00	6.18	6.18
7.50	0.39	0.64	5.00	0.00	6.18	6.18
7.55	0.39	0.64	5.00	0.00	6.17	6.17
7.60	0.38	0.64	5.00	0.00	6.16	6.16
7.65	0.37	0.64	5.00	0.00	6.15	6.15
7.70	0.37	0.64	5.00	0.00	6.15	6.15
7.75	0.36	0.64	5.00	0.00	6.14	6.14
7.80	0.36	0.64	5.00	0.00	6.13	6.13
7.85	0.35	0.64	5.00	0.00	6.12	6.12
7.90	0.35	0.64	5.00	0.00	6.12	6.12
7.95	0.35	0.64	5.00	0.00	6.11	6.11
8.00	0.34	0.64	5.00	0.00	6.10	6.10
8.05	0.34	0.64	5.00	0.00	6.09	6.09
8.10	0.33	0.64	5.00	0.00	6.08	6.08
8.15	0.33	0.64	5.00	0.00	6.08	6.08
8.20	0.33	0.64	5.00	0.00	6.07	6.07
8.25	0.36	0.64	5.00	0.00	6.06	6.06
8.30	0.35	0.64	5.00	0.00	6.05	6.05
8.35	0.35	0.64	5.00	0.00	6.04	6.04
8.40	0.34	0.64	5.00	0.00	6.04	6.04
8.45	0.34	0.64	5.00	0.00	6.03	6.03
8.50	0.33	0.63	5.00	0.00	6.02	6.02
8.55	0.33	0.63	5.00	0.00	6.01	6.01
8.60	0.33	0.63	5.00	0.00	6.00	6.00
8.65	0.32	0.63	5.00	0.00	5.99	5.99
8.70	0.32	0.63	5.00	0.00	5.99	5.99

8.75	0.32	0.63	5.00	0.00	5.98	5.98
8.80	0.31	0.63	5.00	0.00	5.97	5.97
8.85	0.31	0.63	5.00	0.00	5.96	5.96
8.90	0.31	0.63	5.00	0.00	5.95	5.95
8.95	0.30	0.63	5.00	0.00	5.94	5.94
9.00	0.30	0.63	5.00	0.00	5.93	5.93
9.05	0.30	0.63	5.00	0.00	5.92	5.92
9.10	0.29	0.63	5.00	0.00	5.92	5.92
9.15	0.29	0.63	5.00	0.00	5.91	5.91
9.20	0.29	0.63	5.00	0.00	5.90	5.90
9.25	0.28	0.63	5.00	0.00	5.89	5.89
9.30	0.28	0.63	5.00	0.00	5.88	5.88
9.35	0.28	0.63	5.00	0.00	5.87	5.87
9.40	0.28	0.63	5.00	0.00	5.86	5.86
9.45	0.27	0.63	5.00	0.00	5.85	5.85
9.50	0.27	0.63	5.00	0.00	5.84	5.84
9.55	0.27	0.63	5.00	0.00	5.83	5.83
9.60	0.27	0.63	5.00	0.00	5.82	5.82
9.65	0.26	0.63	5.00	0.00	5.81	5.81
9.70	0.26	0.63	5.00	0.00	5.80	5.80
9.75	0.26	0.63	5.00	0.00	5.79	5.79
9.80	0.26	0.63	5.00	0.00	5.78	5.78
9.85	0.25	0.63	5.00	0.00	5.77	5.77
9.90	0.25	0.63	5.00	0.00	5.76	5.76
9.95	0.25	0.63	5.00	0.00	5.74	5.74
10.00	0.25	0.63	5.00	0.00	5.73	5.73
10.05	0.25	0.63	5.00	0.00	5.72	5.72
10.10	0.25	0.63	5.00	0.00	5.71	5.71
10.15	0.25	0.63	5.00	0.00	5.70	5.70
10.20	0.25	0.63	5.00	0.00	5.69	5.69
10.25	0.25	0.63	5.00	0.00	5.68	5.68
10.30	0.26	0.63	5.00	0.00	5.67	5.67
10.35	0.26	0.63	5.00	0.00	5.66	5.66
10.40	0.26	0.63	5.00	0.00	5.65	5.65
10.45	0.26	0.63	5.00	0.00	5.63	5.63
10.50	0.26	0.63	5.00	0.00	5.62	5.62
10.55	0.26	0.63	5.00	0.00	5.61	5.61
10.60	0.26	0.63	5.00	0.00	5.60	5.60
10.65	0.27	0.63	5.00	0.00	5.60	5.60
10.70	0.27	0.63	5.00	0.00	5.59	5.59
10.75	0.27	0.63	5.00	0.00	5.58	5.58
10.80	0.27	0.63	5.00	0.00	5.58	5.58
10.85	0.27	0.63	5.00	0.00	5.57	5.57
10.90	0.27	0.63	5.00	0.00	5.57	5.57
10.95	0.28	0.63	5.00	0.00	5.56	5.56
11.00	0.28	0.63	5.00	0.00	5.55	5.55
11.05	0.28	0.63	5.00	0.00	5.55	5.55
11.10	0.28	0.63	5.00	0.00	5.54	5.54
11.15	0.28	0.63	5.00	0.00	5.53	5.53
11.20	0.29	0.63	5.00	0.00	5.53	5.53

11.25	0.29	0.63	5.00	0.00	5.52	5.52
11.30	0.29	0.63	5.00	0.00	5.52	5.52
11.35	0.29	0.63	5.00	0.00	5.51	5.51
11.40	0.29	0.63	5.00	0.00	5.51	5.51
11.45	0.30	0.63	5.00	0.00	5.50	5.50
11.50	0.30	0.63	5.00	0.00	5.49	5.49
11.55	0.30	0.63	5.00	0.00	5.49	5.49
11.60	0.30	0.63	5.00	0.00	5.48	5.48
11.65	0.30	0.63	5.00	0.00	5.48	5.48
11.70	0.31	0.63	5.00	0.00	5.47	5.47
11.75	0.31	0.63	5.00	0.00	5.46	5.46
11.80	0.31	0.63	5.00	0.00	5.46	5.46
11.85	0.31	0.63	5.00	0.00	5.45	5.45
11.90	0.31	0.63	5.00	0.00	5.45	5.45
11.95	0.32	0.63	5.00	0.00	5.44	5.44
12.00	0.32	0.63	5.00	0.00	5.44	5.44
12.05	0.32	0.63	5.00	0.00	5.43	5.43
12.10	0.32	0.63	5.00	0.00	5.43	5.43
12.15	0.33	0.63	5.00	0.00	5.42	5.42
12.20	0.33	0.63	5.00	0.00	5.41	5.41
12.25	0.33	0.63	5.00	0.00	5.41	5.41
12.30	0.33	0.63	5.00	0.00	5.40	5.40
12.35	0.34	0.63	5.00	0.00	5.40	5.40
12.40	0.34	0.63	5.00	0.00	5.39	5.39
12.45	0.34	0.63	5.00	0.00	5.39	5.39
12.50	0.34	0.63	5.00	0.00	5.38	5.38
12.55	0.35	0.63	5.00	0.00	5.38	5.38
12.60	0.35	0.63	5.00	0.00	5.37	5.37
12.65	0.35	0.63	5.00	0.00	5.37	5.37
12.70	0.35	0.63	5.00	0.00	5.36	5.36
12.75	0.36	0.63	5.00	0.00	5.36	5.36
12.80	0.36	0.63	5.00	0.00	5.35	5.35
12.85	0.36	0.63	5.00	0.00	5.35	5.35
12.90	0.37	0.63	5.00	0.00	5.34	5.34
12.95	0.37	0.63	5.00	0.00	5.34	5.34
13.00	0.37	0.63	5.00	0.00	5.33	5.33
13.05	0.38	0.63	5.00	0.00	5.33	5.33
13.10	0.38	0.63	5.00	0.00	5.32	5.32
13.15	0.38	0.63	5.00	0.00	5.32	5.32
13.20	0.39	0.63	5.00	0.00	5.31	5.31
13.25	0.39	0.63	5.00	0.00	5.31	5.31
13.30	0.40	0.63	5.00	0.00	5.30	5.30
13.35	0.40	0.63	5.00	0.00	5.30	5.30
13.40	0.41	0.63	5.00	0.00	5.29	5.29
13.45	0.41	0.63	5.00	0.00	5.29	5.29
13.50	0.42	0.63	5.00	0.00	5.28	5.28
13.55	0.42	0.63	5.00	0.00	5.28	5.28
13.60	0.43	0.63	5.00	0.00	5.27	5.27
13.65	0.44	0.63	5.00	0.00	5.27	5.27
13.70	0.45	0.63	5.00	0.00	5.26	5.26

13.75	0.46	0.63	5.00	0.00	5.26	5.26
13.80	0.47	0.63	5.00	0.00	5.25	5.25
13.85	0.49	0.63	5.00	0.00	5.25	5.25
13.90	0.52	0.63	5.00	0.00	5.25	5.25
13.95	0.55	0.63	5.00	0.00	5.24	5.24
14.00	0.55	0.63	5.00	0.00	5.24	5.24
14.05	0.55	0.63	5.00	0.00	5.23	5.23
14.10	0.55	0.63	5.00	0.00	5.23	5.23
14.15	0.55	0.63	5.00	0.00	5.22	5.22
14.20	0.55	0.63	5.00	0.00	5.22	5.22
14.25	0.55	0.63	5.00	0.00	5.21	5.21
14.30	0.55	0.63	5.00	0.00	5.21	5.21
14.35	0.55	0.63	5.00	0.00	5.21	5.21
14.40	0.55	0.63	5.00	0.00	5.20	5.20
14.45	0.55	0.63	5.00	0.00	5.20	5.20
14.50	0.55	0.63	5.00	0.00	5.19	5.19
14.55	0.55	0.63	5.00	0.00	5.19	5.19
14.60	0.55	0.63	5.00	0.00	5.18	5.18
14.65	0.55	0.63	5.00	0.00	5.18	5.18
14.70	0.55	0.63	5.00	0.00	5.18	5.18
14.75	0.55	0.63	5.00	0.00	5.17	5.17
14.80	0.55	0.63	5.00	0.00	5.17	5.17
14.85	0.55	0.63	5.00	0.00	5.16	5.16
14.90	0.55	0.63	5.00	0.00	5.16	5.16
14.95	0.55	0.63	5.00	0.00	5.16	5.16
15.00	2.00	0.63	5.00	0.00	5.16	5.16
15.05	2.00	0.63	5.00	0.00	5.16	5.16
15.10	2.00	0.62	5.00	0.00	5.16	5.16
15.15	2.00	0.62	5.00	0.00	5.16	5.16
15.20	2.00	0.62	5.00	0.00	5.16	5.16
15.25	2.00	0.62	5.00	0.00	5.16	5.16
15.30	2.00	0.62	5.00	0.00	5.16	5.16
15.35	2.00	0.62	5.00	0.00	5.16	5.16
15.40	2.00	0.62	5.00	0.00	5.16	5.16
15.45	2.00	0.62	5.00	0.00	5.16	5.16
15.50	2.00	0.62	5.00	0.00	5.16	5.16
15.55	2.00	0.62	5.00	0.00	5.16	5.16
15.60	2.00	0.62	5.00	0.00	5.16	5.16
15.65	2.00	0.62	5.00	0.00	5.16	5.16
15.70	2.00	0.62	5.00	0.00	5.16	5.16
15.75	2.00	0.62	5.00	0.00	5.16	5.16
15.80	2.00	0.62	5.00	0.00	5.16	5.16
15.85	2.00	0.62	5.00	0.00	5.16	5.16
15.90	2.00	0.62	5.00	0.00	5.16	5.16
15.95	2.00	0.62	5.00	0.00	5.16	5.16
16.00	2.00	0.62	5.00	0.00	5.16	5.16
16.05	2.00	0.62	5.00	0.00	5.16	5.16
16.10	2.00	0.62	5.00	0.00	5.16	5.16
16.15	2.00	0.62	5.00	0.00	5.16	5.16
16.20	2.00	0.62	5.00	0.00	5.16	5.16

16.25	2.00	0.62	5.00	0.00	5.16	5.16
16.30	2.00	0.62	5.00	0.00	5.16	5.16
16.35	2.00	0.62	5.00	0.00	5.16	5.16
16.40	2.00	0.62	5.00	0.00	5.16	5.16
16.45	2.00	0.62	5.00	0.00	5.16	5.16
16.50	2.00	0.62	5.00	0.00	5.16	5.16
16.55	2.00	0.62	5.00	0.00	5.16	5.16
16.60	2.00	0.62	5.00	0.00	5.16	5.16
16.65	2.00	0.62	5.00	0.00	5.16	5.16
16.70	2.00	0.62	5.00	0.00	5.16	5.16
16.75	2.00	0.62	5.00	0.00	5.16	5.16
16.80	2.00	0.62	5.00	0.00	5.16	5.16
16.85	2.00	0.62	5.00	0.00	5.16	5.16
16.90	2.00	0.62	5.00	0.00	5.16	5.16
16.95	2.00	0.62	5.00	0.00	5.16	5.16
17.00	2.00	0.62	5.00	0.00	5.16	5.16
17.05	2.00	0.62	5.00	0.00	5.16	5.16
17.10	2.00	0.62	5.00	0.00	5.16	5.16
17.15	2.00	0.62	5.00	0.00	5.16	5.16
17.20	2.00	0.62	5.00	0.00	5.16	5.16
17.25	2.00	0.62	5.00	0.00	5.16	5.16
17.30	2.00	0.62	5.00	0.00	5.16	5.16
17.35	2.00	0.62	5.00	0.00	5.16	5.16
17.40	2.00	0.62	5.00	0.00	5.16	5.16
17.45	2.00	0.62	5.00	0.00	5.16	5.16
17.50	2.00	0.62	5.00	0.00	5.16	5.16
17.55	2.00	0.62	5.00	0.00	5.16	5.16
17.60	2.00	0.62	5.00	0.00	5.16	5.16
17.65	2.00	0.62	5.00	0.00	5.16	5.16
17.70	2.00	0.62	5.00	0.00	5.16	5.16
17.75	2.00	0.62	5.00	0.00	5.16	5.16
17.80	2.00	0.62	5.00	0.00	5.16	5.16
17.85	2.00	0.62	5.00	0.00	5.16	5.16
17.90	2.00	0.62	5.00	0.00	5.16	5.16
17.95	2.00	0.62	5.00	0.00	5.16	5.16
18.00	2.00	0.62	5.00	0.00	5.16	5.16
18.05	2.00	0.62	5.00	0.00	5.16	5.16
18.10	2.00	0.62	5.00	0.00	5.16	5.16
18.15	2.00	0.62	5.00	0.00	5.16	5.16
18.20	2.00	0.62	5.00	0.00	5.16	5.16
18.25	2.00	0.62	5.00	0.00	5.16	5.16
18.30	2.00	0.62	5.00	0.00	5.16	5.16
18.35	2.00	0.62	5.00	0.00	5.16	5.16
18.40	2.00	0.62	5.00	0.00	5.16	5.16
18.45	2.00	0.62	5.00	0.00	5.16	5.16
18.50	2.00	0.62	5.00	0.00	5.16	5.16
18.55	2.00	0.62	5.00	0.00	5.16	5.16
18.60	2.00	0.62	5.00	0.00	5.16	5.16
18.65	2.00	0.62	5.00	0.00	5.16	5.16
18.70	2.00	0.62	5.00	0.00	5.16	5.16

18.75	2.00	0.62	5.00	0.00	5.16	5.16
18.80	2.00	0.62	5.00	0.00	5.16	5.16
18.85	2.00	0.62	5.00	0.00	5.16	5.16
18.90	2.00	0.62	5.00	0.00	5.16	5.16
18.95	2.00	0.62	5.00	0.00	5.16	5.16
19.00	2.00	0.62	5.00	0.00	5.16	5.16
19.05	2.00	0.62	5.00	0.00	5.16	5.16
19.10	2.00	0.62	5.00	0.00	5.16	5.16
19.15	2.00	0.62	5.00	0.00	5.16	5.16
19.20	2.00	0.62	5.00	0.00	5.16	5.16
19.25	2.00	0.62	5.00	0.00	5.16	5.16
19.30	2.00	0.62	5.00	0.00	5.16	5.16
19.35	2.00	0.62	5.00	0.00	5.16	5.16
19.40	2.00	0.62	5.00	0.00	5.16	5.16
19.45	2.00	0.62	5.00	0.00	5.16	5.16
19.50	2.00	0.62	5.00	0.00	5.16	5.16
19.55	2.00	0.62	5.00	0.00	5.16	5.16
19.60	2.00	0.62	5.00	0.00	5.16	5.16
19.65	2.00	0.62	5.00	0.00	5.16	5.16
19.70	2.00	0.62	5.00	0.00	5.16	5.16
19.75	2.00	0.62	5.00	0.00	5.16	5.16
19.80	2.00	0.62	5.00	0.00	5.16	5.16
19.85	2.00	0.62	5.00	0.00	5.16	5.16
19.90	2.00	0.62	5.00	0.00	5.16	5.16
19.95	2.00	0.62	5.00	0.00	5.16	5.16
20.00	2.00	0.62	5.00	0.00	5.16	5.16
20.05	0.55	0.62	5.00	0.00	5.16	5.16
20.10	0.55	0.62	5.00	0.00	5.16	5.16
20.15	0.55	0.62	5.00	0.00	5.15	5.15
20.20	0.55	0.62	5.00	0.00	5.14	5.14
20.25	0.55	0.62	5.00	0.00	5.14	5.14
20.30	0.55	0.62	5.00	0.00	5.13	5.13
20.35	0.55	0.62	5.00	0.00	5.13	5.13
20.40	0.55	0.62	5.00	0.00	5.12	5.12
20.45	0.55	0.62	5.00	0.00	5.11	5.11
20.50	0.55	0.62	5.00	0.00	5.11	5.11
20.55	0.55	0.62	5.00	0.00	5.10	5.10
20.60	0.52	0.62	5.00	0.00	5.09	5.09
20.65	0.49	0.62	5.00	0.00	5.09	5.09
20.70	0.47	0.62	5.00	0.00	5.08	5.08
20.75	0.46	0.62	5.00	0.00	5.07	5.07
20.80	0.45	0.62	5.00	0.00	5.07	5.07
20.85	0.44	0.62	5.00	0.00	5.06	5.06
20.90	0.43	0.62	5.00	0.00	5.05	5.05
20.95	0.43	0.62	5.00	0.00	5.04	5.04
21.00	0.42	0.62	5.00	0.00	5.04	5.04
21.05	0.42	0.62	5.00	0.00	5.03	5.03
21.10	0.41	0.62	5.00	0.00	5.02	5.02
21.15	0.41	0.62	5.00	0.00	5.02	5.02
21.20	0.40	0.62	5.00	0.00	5.01	5.01

21.25	0.40	0.62	5.00	0.00	5.00	5.00
21.30	0.39	0.62	5.00	0.00	5.00	5.00
21.35	0.39	0.62	5.00	0.00	4.99	4.99
21.40	0.39	0.62	5.00	0.00	4.98	4.98
21.45	0.38	0.62	5.00	0.00	4.97	4.97
21.50	0.38	0.62	5.00	0.00	4.97	4.97
21.55	0.38	0.62	5.00	0.00	4.96	4.96
21.60	0.37	0.62	5.00	0.00	4.95	4.95
21.65	0.37	0.62	5.00	0.00	4.94	4.94
21.70	0.37	0.62	5.00	0.00	4.94	4.94
21.75	0.36	0.61	5.00	0.00	4.93	4.93
21.80	0.36	0.61	5.00	0.00	4.92	4.92
21.85	0.36	0.61	5.00	0.00	4.91	4.91
21.90	0.35	0.61	5.00	0.00	4.90	4.90
21.95	0.35	0.61	5.00	0.00	4.90	4.90
22.00	0.35	0.61	5.00	0.00	4.89	4.89
22.05	0.35	0.61	5.00	0.00	4.88	4.88
22.10	0.34	0.61	5.00	0.00	4.87	4.87
22.15	0.34	0.61	5.00	0.00	4.87	4.87
22.20	0.34	0.61	5.00	0.00	4.86	4.86
22.25	0.34	0.61	5.00	0.00	4.85	4.85
22.30	0.33	0.61	5.00	0.00	4.84	4.84
22.35	0.33	0.61	5.00	0.00	4.83	4.83
22.40	0.33	0.61	5.00	0.00	4.82	4.82
22.45	0.33	0.61	5.00	0.00	4.82	4.82
22.50	0.32	0.61	5.00	0.00	4.81	4.81
22.55	0.32	0.61	5.00	0.00	4.80	4.80
22.60	0.32	0.61	5.00	0.00	4.79	4.79
22.65	0.32	0.61	5.00	0.00	4.78	4.78
22.70	0.32	0.61	5.00	0.00	4.77	4.77
22.75	0.31	0.61	5.00	0.00	4.77	4.77
22.80	0.31	0.61	5.00	0.00	4.76	4.76
22.85	0.31	0.61	5.00	0.00	4.75	4.75
22.90	0.31	0.61	5.00	0.00	4.74	4.74
22.95	0.30	0.61	5.00	0.00	4.73	4.73
23.00	0.30	0.61	5.00	0.00	4.72	4.72
23.05	0.30	0.61	5.00	0.00	4.71	4.71
23.10	0.30	0.61	5.00	0.00	4.70	4.70
23.15	0.30	0.61	5.00	0.00	4.69	4.69
23.20	0.29	0.61	5.00	0.00	4.68	4.68
23.25	0.29	0.61	5.00	0.00	4.68	4.68
23.30	0.29	0.61	5.00	0.00	4.67	4.67
23.35	0.29	0.61	5.00	0.00	4.66	4.66
23.40	0.29	0.61	5.00	0.00	4.65	4.65
23.45	0.29	0.61	5.00	0.00	4.64	4.64
23.50	0.28	0.61	5.00	0.00	4.63	4.63
23.55	0.28	0.61	5.00	0.00	4.62	4.62
23.60	0.28	0.61	5.00	0.00	4.62	4.62
23.65	0.28	0.61	5.00	0.00	4.61	4.61
23.70	0.28	0.61	5.00	0.00	4.60	4.60

23.75	0.27	0.61	5.00	0.00	4.60	4.60
23.80	0.27	0.61	5.00	0.00	4.59	4.59
23.85	0.27	0.61	5.00	0.00	4.58	4.58
23.90	0.27	0.61	5.00	0.00	4.58	4.58
23.95	0.27	0.61	5.00	0.00	4.57	4.57
24.00	0.27	0.61	5.00	0.00	4.56	4.56
24.05	0.26	0.61	5.00	0.00	4.55	4.55
24.10	0.26	0.61	5.00	0.00	4.55	4.55
24.15	0.26	0.61	5.00	0.00	4.54	4.54
24.20	0.26	0.61	5.00	0.00	4.53	4.53
24.25	0.26	0.61	5.00	0.00	4.52	4.52
24.30	0.26	0.61	5.00	0.00	4.51	4.51
24.35	0.25	0.61	5.00	0.00	4.51	4.51
24.40	0.25	0.61	5.00	0.00	4.50	4.50
24.45	0.25	0.61	5.00	0.00	4.49	4.49
24.50	0.25	0.61	5.00	0.00	4.48	4.48
24.55	0.25	0.61	5.00	0.00	4.47	4.47
24.60	0.25	0.61	5.00	0.00	4.46	4.46
24.65	0.24	0.61	5.00	0.00	4.45	4.45
24.70	0.24	0.61	5.00	0.00	4.44	4.44
24.75	0.24	0.61	5.00	0.00	4.43	4.43
24.80	0.24	0.61	5.00	0.00	4.42	4.42
24.85	0.24	0.61	5.00	0.00	4.41	4.41
24.90	0.24	0.61	5.00	0.00	4.39	4.39
24.95	0.24	0.61	5.00	0.00	4.38	4.38
25.00	0.23	0.61	5.00	0.00	4.37	4.37
25.05	0.23	0.61	5.00	0.00	4.36	4.36
25.10	0.23	0.61	5.00	0.00	4.35	4.35
25.15	0.23	0.61	5.00	0.00	4.33	4.33
25.20	0.23	0.61	5.00	0.00	4.32	4.32
25.25	0.23	0.61	5.00	0.00	4.31	4.31
25.30	0.24	0.61	5.00	0.00	4.30	4.30
25.35	0.24	0.61	5.00	0.00	4.29	4.29
25.40	0.24	0.61	5.00	0.00	4.27	4.27
25.45	0.24	0.61	5.00	0.00	4.26	4.26
25.50	0.24	0.61	5.00	0.00	4.25	4.25
25.55	0.24	0.61	5.00	0.00	4.24	4.24
25.60	0.24	0.61	5.00	0.00	4.23	4.23
25.65	0.24	0.61	5.00	0.00	4.22	4.22
25.70	0.24	0.61	5.00	0.00	4.20	4.20
25.75	0.24	0.61	5.00	0.00	4.19	4.19
25.80	0.24	0.61	5.00	0.00	4.18	4.18
25.85	0.24	0.61	5.00	0.00	4.17	4.17
25.90	0.24	0.61	5.00	0.00	4.16	4.16
25.95	0.24	0.61	5.00	0.00	4.15	4.15
26.00	0.24	0.61	5.00	0.00	4.13	4.13
26.05	0.24	0.61	5.00	0.00	4.12	4.12
26.10	0.24	0.61	5.00	0.00	4.11	4.11
26.15	0.24	0.61	5.00	0.00	4.10	4.10
26.20	0.24	0.61	5.00	0.00	4.09	4.09

26.25	0.24	0.61	5.00	0.00	4.08	4.08
26.30	0.24	0.61	5.00	0.00	4.06	4.06
26.35	0.24	0.61	5.00	0.00	4.05	4.05
26.40	0.24	0.61	5.00	0.00	4.04	4.04
26.45	0.24	0.61	5.00	0.00	4.03	4.03
26.50	0.24	0.61	5.00	0.00	4.02	4.02
26.55	0.24	0.61	5.00	0.00	4.01	4.01
26.60	0.24	0.61	5.00	0.00	3.99	3.99
26.65	0.24	0.61	5.00	0.00	3.98	3.98
26.70	0.24	0.61	5.00	0.00	3.97	3.97
26.75	0.24	0.61	5.00	0.00	3.96	3.96
26.80	0.24	0.61	5.00	0.00	3.95	3.95
26.85	0.24	0.61	5.00	0.00	3.94	3.94
26.90	0.24	0.61	5.00	0.00	3.93	3.93
26.95	0.24	0.61	5.00	0.00	3.91	3.91
27.00	0.24	0.61	5.00	0.00	3.90	3.90
27.05	0.24	0.61	5.00	0.00	3.89	3.89
27.10	0.24	0.61	5.00	0.00	3.88	3.88
27.15	0.24	0.61	5.00	0.00	3.87	3.87
27.20	0.24	0.61	5.00	0.00	3.86	3.86
27.25	0.24	0.61	5.00	0.00	3.85	3.85
27.30	0.25	0.61	5.00	0.00	3.83	3.83
27.35	0.25	0.61	5.00	0.00	3.82	3.82
27.40	0.25	0.61	5.00	0.00	3.81	3.81
27.45	0.25	0.61	5.00	0.00	3.80	3.80
27.50	0.25	0.61	5.00	0.00	3.79	3.79
27.55	0.25	0.61	5.00	0.00	3.78	3.78
27.60	0.25	0.61	5.00	0.00	3.77	3.77
27.65	0.25	0.61	5.00	0.00	3.76	3.76
27.70	0.25	0.61	5.00	0.00	3.74	3.74
27.75	0.25	0.61	5.00	0.00	3.73	3.73
27.80	0.25	0.61	5.00	0.00	3.72	3.72
27.85	0.25	0.61	5.00	0.00	3.71	3.71
27.90	0.26	0.61	5.00	0.00	3.70	3.70
27.95	0.26	0.61	5.00	0.00	3.69	3.69
28.00	0.26	0.61	5.00	0.00	3.68	3.68
28.05	0.26	0.61	5.00	0.00	3.67	3.67
28.10	0.26	0.61	5.00	0.00	3.66	3.66
28.15	0.26	0.61	5.00	0.00	3.65	3.65
28.20	0.26	0.61	5.00	0.00	3.64	3.64
28.25	0.26	0.61	5.00	0.00	3.62	3.62
28.30	0.26	0.61	5.00	0.00	3.61	3.61
28.35	0.26	0.60	5.00	0.00	3.60	3.60
28.40	0.26	0.60	5.00	0.00	3.59	3.59
28.45	0.26	0.60	5.00	0.00	3.58	3.58
28.50	0.26	0.60	5.00	0.00	3.57	3.57
28.55	0.26	0.60	5.00	0.00	3.56	3.56
28.60	0.26	0.60	5.00	0.00	3.55	3.55
28.65	0.26	0.60	5.00	0.00	3.54	3.54
28.70	0.26	0.60	5.00	0.00	3.53	3.53

28.75	0.26	0.60	5.00	0.00	3.52	3.52
28.80	0.26	0.60	5.00	0.00	3.51	3.51
28.85	0.26	0.60	5.00	0.00	3.50	3.50
28.90	0.26	0.60	5.00	0.00	3.49	3.49
28.95	0.26	0.60	5.00	0.00	3.48	3.48
29.00	0.26	0.60	5.00	0.00	3.47	3.47
29.05	0.26	0.60	5.00	0.00	3.46	3.46
29.10	0.26	0.60	5.00	0.00	3.45	3.45
29.15	0.26	0.60	5.00	0.00	3.44	3.44
29.20	0.26	0.60	5.00	0.00	3.43	3.43
29.25	0.26	0.60	5.00	0.00	3.42	3.42
29.30	0.26	0.60	5.00	0.00	3.41	3.41
29.35	0.26	0.60	5.00	0.00	3.40	3.40
29.40	0.27	0.60	5.00	0.00	3.38	3.38
29.45	0.27	0.60	5.00	0.00	3.37	3.37
29.50	0.27	0.60	5.00	0.00	3.36	3.36
29.55	0.27	0.60	5.00	0.00	3.35	3.35
29.60	0.27	0.60	5.00	0.00	3.34	3.34
29.65	0.27	0.60	5.00	0.00	3.33	3.33
29.70	0.27	0.60	5.00	0.00	3.32	3.32
29.75	0.27	0.60	5.00	0.00	3.31	3.31
29.80	0.27	0.60	5.00	0.00	3.30	3.30
29.85	0.27	0.60	5.00	0.00	3.29	3.29
29.90	0.27	0.60	5.00	0.00	3.28	3.28
29.95	0.27	0.60	5.00	0.00	3.27	3.27
30.00	0.27	0.60	5.00	0.00	3.26	3.26
30.05	0.27	0.60	5.00	0.00	3.25	3.25
30.10	0.27	0.60	5.00	0.00	3.24	3.24
30.15	0.27	0.60	5.00	0.00	3.23	3.23
30.20	0.27	0.60	5.00	0.00	3.22	3.22
30.25	0.27	0.60	5.00	0.00	3.21	3.21
30.30	0.27	0.60	5.00	0.00	3.20	3.20
30.35	0.27	0.60	5.00	0.00	3.19	3.19
30.40	0.27	0.60	5.00	0.00	3.18	3.18
30.45	0.27	0.60	5.00	0.00	3.17	3.17
30.50	0.27	0.60	5.00	0.00	3.16	3.16
30.55	0.26	0.60	5.00	0.00	3.15	3.15
30.60	0.26	0.60	5.00	0.00	3.14	3.14
30.65	0.26	0.60	5.00	0.00	3.13	3.13
30.70	0.26	0.60	5.00	0.00	3.12	3.12
30.75	0.26	0.60	5.00	0.00	3.11	3.11
30.80	0.26	0.60	5.00	0.00	3.10	3.10
30.85	0.26	0.60	5.00	0.00	3.09	3.09
30.90	0.26	0.60	5.00	0.00	3.08	3.08
30.95	0.26	0.60	5.00	0.00	3.06	3.06
31.00	0.26	0.60	5.00	0.00	3.05	3.05
31.05	0.26	0.60	5.00	0.00	3.04	3.04
31.10	0.26	0.60	5.00	0.00	3.03	3.03
31.15	0.26	0.60	5.00	0.00	3.02	3.02
31.20	0.26	0.60	5.00	0.00	3.01	3.01

31.25	0.26	0.60	5.00	0.00	3.00	3.00
31.30	0.26	0.60	5.00	0.00	2.99	2.99
31.35	0.26	0.60	5.00	0.00	2.98	2.98
31.40	0.26	0.59	5.00	0.00	2.97	2.97
31.45	0.26	0.59	5.00	0.00	2.96	2.96
31.50	0.26	0.59	5.00	0.00	2.95	2.95
31.55	0.26	0.59	5.00	0.00	2.94	2.94
31.60	0.26	0.59	5.00	0.00	2.93	2.93
31.65	0.26	0.59	5.00	0.00	2.92	2.92
31.70	0.25	0.59	5.00	0.00	2.90	2.90
31.75	0.25	0.59	5.00	0.00	2.89	2.89
31.80	0.25	0.59	5.00	0.00	2.88	2.88
31.85	0.25	0.59	5.00	0.00	2.87	2.87
31.90	0.25	0.59	5.00	0.00	2.86	2.86
31.95	0.25	0.59	5.00	0.00	2.85	2.85
32.00	0.25	0.59	5.00	0.00	2.84	2.84
32.05	0.25	0.59	5.00	0.00	2.83	2.83
32.10	0.25	0.59	5.00	0.00	2.82	2.82
32.15	0.25	0.59	5.00	0.00	2.81	2.81
32.20	0.25	0.59	5.00	0.00	2.80	2.80
32.25	0.25	0.59	5.00	0.00	2.79	2.79
32.30	0.25	0.59	5.00	0.00	2.77	2.77
32.35	0.25	0.59	5.00	0.00	2.76	2.76
32.40	0.25	0.59	5.00	0.00	2.75	2.75
32.45	0.25	0.59	5.00	0.00	2.74	2.74
32.50	0.25	0.59	5.00	0.00	2.73	2.73
32.55	0.25	0.59	5.00	0.00	2.72	2.72
32.60	0.25	0.59	5.00	0.00	2.71	2.71
32.65	0.25	0.59	5.00	0.00	2.70	2.70
32.70	0.25	0.59	5.00	0.00	2.69	2.69
32.75	0.25	0.59	5.00	0.00	2.68	2.68
32.80	0.25	0.59	5.00	0.00	2.66	2.66
32.85	0.25	0.59	5.00	0.00	2.65	2.65
32.90	0.25	0.59	5.00	0.00	2.64	2.64
32.95	0.25	0.59	5.00	0.00	2.63	2.63
33.00	0.25	0.59	5.00	0.00	2.62	2.62
33.05	0.25	0.59	5.00	0.00	2.61	2.61
33.10	0.24	0.59	5.00	0.00	2.60	2.60
33.15	0.24	0.59	5.00	0.00	2.59	2.59
33.20	0.24	0.59	5.00	0.00	2.57	2.57
33.25	0.24	0.59	5.00	0.00	2.56	2.56
33.30	0.24	0.58	5.00	0.00	2.55	2.55
33.35	0.24	0.58	5.00	0.00	2.54	2.54
33.40	0.24	0.58	5.00	0.00	2.53	2.53
33.45	0.24	0.58	5.00	0.00	2.52	2.52
33.50	0.24	0.58	5.00	0.00	2.51	2.51
33.55	0.24	0.58	5.00	0.00	2.50	2.50
33.60	0.24	0.58	5.00	0.00	2.48	2.48
33.65	0.24	0.58	5.00	0.00	2.47	2.47
33.70	0.24	0.58	5.00	0.00	2.46	2.46

33.75	0.24	0.58	5.00	0.00	2.45	2.45
33.80	0.24	0.58	5.00	0.00	2.44	2.44
33.85	0.24	0.58	5.00	0.00	2.43	2.43
33.90	0.24	0.58	5.00	0.00	2.42	2.42
33.95	0.24	0.58	5.00	0.00	2.40	2.40
34.00	0.24	0.58	5.00	0.00	2.39	2.39
34.05	0.24	0.58	5.00	0.00	2.38	2.38
34.10	0.24	0.58	5.00	0.00	2.37	2.37
34.15	0.24	0.58	5.00	0.00	2.36	2.36
34.20	0.24	0.58	5.00	0.00	2.35	2.35
34.25	0.24	0.58	5.00	0.00	2.34	2.34
34.30	0.24	0.58	5.00	0.00	2.32	2.32
34.35	0.24	0.58	5.00	0.00	2.31	2.31
34.40	0.24	0.58	5.00	0.00	2.30	2.30
34.45	0.24	0.58	5.00	0.00	2.29	2.29
34.50	0.24	0.58	5.00	0.00	2.28	2.28
34.55	0.24	0.58	5.00	0.00	2.27	2.27
34.60	0.24	0.58	5.00	0.00	2.25	2.25
34.65	0.24	0.58	5.00	0.00	2.24	2.24
34.70	0.24	0.58	5.00	0.00	2.23	2.23
34.75	0.23	0.58	5.00	0.00	2.22	2.22
34.80	0.23	0.58	5.00	0.00	2.21	2.21
34.85	0.23	0.58	5.00	0.00	2.20	2.20
34.90	0.23	0.58	5.00	0.00	2.19	2.19
34.95	0.23	0.58	5.00	0.00	2.17	2.17
35.00	0.23	0.58	5.00	0.00	2.16	2.16
35.05	0.24	0.58	5.00	0.00	2.15	2.15
35.10	0.24	0.58	5.00	0.00	2.14	2.14
35.15	0.24	0.58	5.00	0.00	2.13	2.13
35.20	0.24	0.57	5.00	0.00	2.12	2.12
35.25	0.24	0.57	5.00	0.00	2.10	2.10
35.30	0.25	0.57	5.00	0.00	2.09	2.09
35.35	0.25	0.57	5.00	0.00	2.08	2.08
35.40	0.25	0.57	5.00	0.00	2.07	2.07
35.45	0.25	0.57	5.00	0.00	2.06	2.06
35.50	0.25	0.57	5.00	0.00	2.05	2.05
35.55	0.26	0.57	5.00	0.00	2.04	2.04
35.60	0.26	0.57	5.00	0.00	2.03	2.03
35.65	0.26	0.57	5.00	0.00	2.02	2.02
35.70	0.26	0.57	5.00	0.00	2.01	2.01
35.75	0.26	0.57	5.00	0.00	2.00	2.00
35.80	0.27	0.57	5.00	0.00	1.99	1.99
35.85	0.27	0.57	5.00	0.00	1.98	1.98
35.90	0.27	0.57	5.00	0.00	1.97	1.97
35.95	0.27	0.57	5.00	0.00	1.96	1.96
36.00	0.28	0.57	5.00	0.00	1.95	1.95
36.05	0.28	0.57	5.00	0.00	1.94	1.94
36.10	0.28	0.57	5.00	0.00	1.93	1.93
36.15	0.28	0.57	5.00	0.00	1.92	1.92
36.20	0.29	0.57	5.00	0.00	1.91	1.91

36.25	0.29	0.57	5.00	0.00	1.90	1.90
36.30	0.29	0.57	5.00	0.00	1.89	1.89
36.35	0.29	0.57	5.00	0.00	1.88	1.88
36.40	0.30	0.57	5.00	0.00	1.87	1.87
36.45	0.30	0.57	5.00	0.00	1.87	1.87
36.50	0.30	0.57	5.00	0.00	1.86	1.86
36.55	0.30	0.57	5.00	0.00	1.85	1.85
36.60	0.31	0.57	5.00	0.00	1.84	1.84
36.65	0.31	0.57	5.00	0.00	1.83	1.83
36.70	0.31	0.57	5.00	0.00	1.82	1.82
36.75	0.31	0.57	5.00	0.00	1.81	1.81
36.80	0.32	0.57	5.00	0.00	1.80	1.80
36.85	0.32	0.57	5.00	0.00	1.80	1.80
36.90	0.32	0.57	5.00	0.00	1.79	1.79
36.95	0.33	0.57	5.00	0.00	1.78	1.78
37.00	0.33	0.57	5.00	0.00	1.77	1.77
37.05	0.33	0.57	5.00	0.00	1.76	1.76
37.10	0.34	0.56	5.00	0.00	1.76	1.76
37.15	0.34	0.56	5.00	0.00	1.75	1.75
37.20	0.34	0.56	5.00	0.00	1.74	1.74
37.25	0.35	0.56	5.00	0.00	1.73	1.73
37.30	0.35	0.56	5.00	0.00	1.72	1.72
37.35	0.36	0.56	5.00	0.00	1.72	1.72
37.40	0.36	0.56	5.00	0.00	1.71	1.71
37.45	0.36	0.56	5.00	0.00	1.70	1.70
37.50	0.37	0.56	5.00	0.00	1.69	1.69
37.55	0.37	0.56	5.00	0.00	1.69	1.69
37.60	0.38	0.56	5.00	0.00	1.68	1.68
37.65	0.38	0.56	5.00	0.00	1.67	1.67
37.70	0.39	0.56	5.00	0.00	1.66	1.66
37.75	0.39	0.56	5.00	0.00	1.66	1.66
37.80	0.40	0.56	5.00	0.00	1.65	1.65
37.85	0.41	0.56	5.00	0.00	1.64	1.64
37.90	0.42	0.56	5.00	0.00	1.64	1.64
37.95	0.43	0.56	5.00	0.00	1.63	1.63
38.00	0.44	0.56	5.00	0.00	1.62	1.62
38.05	0.45	0.56	5.00	0.00	1.62	1.62
38.10	0.48	0.56	5.00	0.00	1.61	1.61
38.15	0.53	0.56	5.00	0.00	1.60	1.60
38.20	0.53	0.56	5.00	0.00	1.60	1.60
38.25	0.53	0.56	5.00	0.00	1.59	1.59
38.30	0.53	0.56	5.00	0.00	1.58	1.58
38.35	0.53	0.56	5.00	0.00	1.58	1.58
38.40	0.53	0.56	5.00	0.00	1.57	1.57
38.45	0.53	0.56	5.00	0.00	1.56	1.56
38.50	0.53	0.56	5.00	0.00	1.56	1.56
38.55	0.53	0.56	5.00	0.00	1.55	1.55
38.60	0.53	0.56	5.00	0.00	1.54	1.54
38.65	0.53	0.56	5.00	0.00	1.54	1.54
38.70	0.53	0.56	5.00	0.00	1.53	1.53

38.75	0.53	0.56	5.00	0.00	1.53	1.53
38.80	0.53	0.56	5.00	0.00	1.52	1.52
38.85	0.53	0.56	5.00	0.00	1.52	1.52
38.90	0.53	0.56	5.00	0.00	1.51	1.51
38.95	0.53	0.56	5.00	0.00	1.51	1.51
39.00	0.53	0.55	5.00	0.00	1.50	1.50
39.05	0.53	0.55	5.00	0.00	1.50	1.50
39.10	0.53	0.55	5.00	0.00	1.49	1.49
39.15	0.53	0.55	5.00	0.00	1.49	1.49
39.20	0.53	0.55	5.00	0.00	1.48	1.48
39.25	0.53	0.55	5.00	0.00	1.48	1.48
39.30	0.53	0.55	5.00	0.00	1.47	1.47
39.35	0.53	0.55	5.00	0.00	1.47	1.47
39.40	0.53	0.55	5.00	0.00	1.46	1.46
39.45	0.53	0.55	5.00	0.00	1.46	1.46
39.50	0.53	0.55	5.00	0.00	1.45	1.45
39.55	0.53	0.55	5.00	0.00	1.45	1.45
39.60	0.53	0.55	5.00	0.00	1.44	1.44
39.65	0.53	0.55	5.00	0.00	1.44	1.44
39.70	0.53	0.55	5.00	0.00	1.44	1.44
39.75	0.53	0.55	5.00	0.00	1.43	1.43
39.80	0.53	0.55	5.00	0.00	1.43	1.43
39.85	0.53	0.55	5.00	0.00	1.42	1.42
39.90	0.53	0.55	5.00	0.00	1.42	1.42
39.95	0.53	0.55	5.00	0.00	1.42	1.42
40.00	0.53	0.55	5.00	0.00	1.42	1.42
40.05	0.53	0.55	5.00	0.00	1.42	1.42
40.10	0.53	0.55	5.00	0.00	1.42	1.42
40.15	0.53	0.55	5.00	0.00	1.41	1.41
40.20	0.53	0.55	5.00	0.00	1.41	1.41
40.25	0.53	0.55	5.00	0.00	1.41	1.41
40.30	0.53	0.55	5.00	0.00	1.40	1.40
40.35	0.53	0.55	5.00	0.00	1.40	1.40
40.40	0.53	0.55	5.00	0.00	1.39	1.39
40.45	0.53	0.55	5.00	0.00	1.39	1.39
40.50	0.53	0.55	5.00	0.00	1.38	1.38
40.55	0.53	0.55	5.00	0.00	1.38	1.38
40.60	0.53	0.55	5.00	0.00	1.38	1.38
40.65	0.53	0.55	5.00	0.00	1.37	1.37
40.70	0.53	0.55	5.00	0.00	1.37	1.37
40.75	0.53	0.55	5.00	0.00	1.36	1.36
40.80	0.53	0.55	5.00	0.00	1.36	1.36
40.85	0.53	0.55	5.00	0.00	1.35	1.35
40.90	0.53	0.54	5.00	0.00	1.35	1.35
40.95	0.53	0.54	5.00	0.00	1.34	1.34
41.00	0.53	0.54	5.00	0.00	1.34	1.34
41.05	0.53	0.54	5.00	0.00	1.33	1.33
41.10	0.53	0.54	5.00	0.00	1.33	1.33
41.15	0.53	0.54	5.00	0.00	1.32	1.32
41.20	0.53	0.54	5.00	0.00	1.32	1.32

41.25	0.53	0.54	5.00	0.00	1.31	1.31
41.30	0.53	0.54	5.00	0.00	1.31	1.31
41.35	0.53	0.54	5.00	0.00	1.30	1.30
41.40	0.53	0.54	5.00	0.00	1.29	1.29
41.45	0.53	0.54	5.00	0.00	1.29	1.29
41.50	0.53	0.54	5.00	0.00	1.28	1.28
41.55	0.53	0.54	5.00	0.00	1.28	1.28
41.60	0.53	0.54	5.00	0.00	1.27	1.27
41.65	0.53	0.54	5.00	0.00	1.26	1.26
41.70	0.53	0.54	5.00	0.00	1.26	1.26
41.75	0.52	0.54	5.00	0.00	1.25	1.25
41.80	0.52	0.54	5.00	0.00	1.24	1.24
41.85	0.52	0.54	5.00	0.00	1.24	1.24
41.90	0.52	0.54	5.00	0.00	1.23	1.23
41.95	0.52	0.54	5.00	0.00	1.23	1.23
42.00	0.52	0.54	5.00	0.00	1.22	1.22
42.05	0.49	0.54	5.00	0.00	1.21	1.21
42.10	0.46	0.54	5.00	0.00	1.21	1.21
42.15	0.44	0.54	5.00	0.00	1.20	1.20
42.20	0.43	0.54	5.00	0.00	1.19	1.19
42.25	0.41	0.54	5.00	0.00	1.18	1.18
42.30	0.41	0.54	5.00	0.00	1.18	1.18
42.35	0.40	0.54	5.00	0.00	1.17	1.17
42.40	0.39	0.54	5.00	0.00	1.16	1.16
42.45	0.39	0.54	5.00	0.00	1.16	1.16
42.50	0.38	0.54	5.00	0.00	1.15	1.15
42.55	0.37	0.54	5.00	0.00	1.14	1.14
42.60	0.37	0.54	5.00	0.00	1.14	1.14
42.65	0.36	0.54	5.00	0.00	1.13	1.13
42.70	0.36	0.54	5.00	0.00	1.12	1.12
42.75	0.36	0.54	5.00	0.00	1.11	1.11
42.80	0.35	0.53	5.00	0.00	1.11	1.11
42.85	0.35	0.53	5.00	0.00	1.10	1.10
42.90	0.34	0.53	5.00	0.00	1.09	1.09
42.95	0.34	0.53	5.00	0.00	1.08	1.08
43.00	0.34	0.53	5.00	0.00	1.08	1.08
43.05	0.33	0.53	5.00	0.00	1.07	1.07
43.10	0.33	0.53	5.00	0.00	1.06	1.06
43.15	0.33	0.53	5.00	0.00	1.05	1.05
43.20	0.32	0.53	5.00	0.00	1.04	1.04
43.25	0.32	0.53	5.00	0.00	1.04	1.04
43.30	0.32	0.53	5.00	0.00	1.03	1.03
43.35	0.31	0.53	5.00	0.00	1.02	1.02
43.40	0.31	0.53	5.00	0.00	1.01	1.01
43.45	0.31	0.53	5.00	0.00	1.00	1.00
43.50	0.31	0.53	5.00	0.00	1.00	1.00
43.55	0.30	0.53	5.00	0.00	0.99	0.99
43.60	0.30	0.53	5.00	0.00	0.98	0.98
43.65	0.30	0.53	5.00	0.00	0.97	0.97
43.70	0.29	0.53	5.00	0.00	0.96	0.96

43.75	0.29	0.53	5.00	0.00	0.95	0.95
43.80	0.29	0.53	5.00	0.00	0.94	0.94
43.85	0.29	0.53	5.00	0.00	0.93	0.93
43.90	0.28	0.53	5.00	0.00	0.93	0.93
43.95	0.28	0.53	5.00	0.00	0.92	0.92
44.00	0.28	0.53	5.00	0.00	0.91	0.91
44.05	0.28	0.53	5.00	0.00	0.90	0.90
44.10	0.27	0.53	5.00	0.00	0.89	0.89
44.15	0.27	0.53	5.00	0.00	0.88	0.88
44.20	0.27	0.53	5.00	0.00	0.87	0.87
44.25	0.27	0.53	5.00	0.00	0.86	0.86
44.30	0.27	0.53	5.00	0.00	0.85	0.85
44.35	0.26	0.53	5.00	0.00	0.84	0.84
44.40	0.26	0.53	5.00	0.00	0.83	0.83
44.45	0.26	0.53	5.00	0.00	0.82	0.82
44.50	0.26	0.53	5.00	0.00	0.81	0.81
44.55	0.25	0.53	5.00	0.00	0.81	0.81
44.60	0.25	0.53	5.00	0.00	0.80	0.80
44.65	0.25	0.53	5.00	0.00	0.80	0.80
44.70	0.25	0.52	5.00	0.00	0.79	0.79
44.75	0.25	0.52	5.00	0.00	0.79	0.79
44.80	0.24	0.52	5.00	0.00	0.78	0.78
44.85	0.24	0.52	5.00	0.00	0.78	0.78
44.90	0.24	0.52	5.00	0.00	0.77	0.77
44.95	0.24	0.52	5.00	0.00	0.77	0.77
45.00	0.24	0.52	5.00	0.00	0.76	0.76
45.05	0.24	0.52	5.00	0.00	0.76	0.76
45.10	0.23	0.52	5.00	0.00	0.75	0.75
45.15	0.23	0.52	5.00	0.00	0.75	0.75
45.20	0.23	0.52	5.00	0.00	0.74	0.74
45.25	0.23	0.52	5.00	0.00	0.73	0.73
45.30	0.23	0.52	5.00	0.00	0.73	0.73
45.35	0.23	0.52	5.00	0.00	0.72	0.72
45.40	0.23	0.52	5.00	0.00	0.72	0.72
45.45	0.23	0.52	5.00	0.00	0.71	0.71
45.50	0.23	0.52	5.00	0.00	0.70	0.70
45.55	0.23	0.52	5.00	0.00	0.70	0.70
45.60	0.23	0.52	5.00	0.00	0.69	0.69
45.65	0.23	0.52	5.00	0.00	0.69	0.69
45.70	0.23	0.52	5.00	0.00	0.68	0.68
45.75	0.23	0.52	5.00	0.00	0.67	0.67
45.80	0.23	0.52	5.00	0.00	0.67	0.67
45.85	0.23	0.52	5.00	0.00	0.66	0.66
45.90	0.23	0.52	5.00	0.00	0.66	0.66
45.95	0.22	0.52	5.00	0.00	0.65	0.65
46.00	0.22	0.52	5.00	0.00	0.64	0.64
46.05	0.22	0.52	5.00	0.00	0.64	0.64
46.10	0.22	0.52	5.00	0.00	0.63	0.63
46.15	0.22	0.52	5.00	0.00	0.62	0.62
46.20	0.22	0.52	5.00	0.00	0.62	0.62

46.25	0.22	0.52	5.00	0.00	0.61	0.61
46.30	0.22	0.52	5.00	0.00	0.60	0.60
46.35	0.22	0.52	5.00	0.00	0.60	0.60
46.40	0.22	0.52	5.00	0.00	0.59	0.59
46.45	0.22	0.52	5.00	0.00	0.58	0.58
46.50	0.22	0.52	5.00	0.00	0.58	0.58
46.55	0.22	0.52	5.00	0.00	0.57	0.57
46.60	0.22	0.51	5.00	0.00	0.56	0.56
46.65	0.22	0.51	5.00	0.00	0.56	0.56
46.70	0.22	0.51	5.00	0.00	0.55	0.55
46.75	0.22	0.51	5.00	0.00	0.54	0.54
46.80	0.22	0.51	5.00	0.00	0.54	0.54
46.85	0.21	0.51	5.00	0.00	0.53	0.53
46.90	0.21	0.51	5.00	0.00	0.52	0.52
46.95	0.21	0.51	5.00	0.00	0.52	0.52
47.00	0.21	0.51	5.00	0.00	0.51	0.51
47.05	0.21	0.51	5.00	0.00	0.50	0.50
47.10	0.21	0.51	5.00	0.00	0.49	0.49
47.15	0.21	0.51	5.00	0.00	0.49	0.49
47.20	0.21	0.51	5.00	0.00	0.48	0.48
47.25	0.21	0.51	5.00	0.00	0.47	0.47
47.30	0.21	0.51	5.00	0.00	0.47	0.47
47.35	0.21	0.51	5.00	0.00	0.46	0.46
47.40	0.21	0.51	5.00	0.00	0.45	0.45
47.45	0.21	0.51	5.00	0.00	0.44	0.44
47.50	0.21	0.51	5.00	0.00	0.44	0.44
47.55	0.21	0.51	5.00	0.00	0.43	0.43
47.60	0.21	0.51	5.00	0.00	0.42	0.42
47.65	0.21	0.51	5.00	0.00	0.41	0.41
47.70	0.21	0.51	5.00	0.00	0.41	0.41
47.75	0.21	0.51	5.00	0.00	0.40	0.40
47.80	0.20	0.51	5.00	0.00	0.39	0.39
47.85	0.20	0.51	5.00	0.00	0.38	0.38
47.90	0.20	0.51	5.00	0.00	0.37	0.37
47.95	0.20	0.51	5.00	0.00	0.37	0.37
48.00	0.20	0.51	5.00	0.00	0.36	0.36
48.05	0.20	0.51	5.00	0.00	0.35	0.35
48.10	0.20	0.51	5.00	0.00	0.34	0.34
48.15	0.20	0.51	5.00	0.00	0.33	0.33
48.20	0.20	0.51	5.00	0.00	0.33	0.33
48.25	0.20	0.51	5.00	0.00	0.32	0.32
48.30	0.20	0.51	5.00	0.00	0.31	0.31
48.35	0.20	0.51	5.00	0.00	0.30	0.30
48.40	0.20	0.51	5.00	0.00	0.29	0.29
48.45	0.20	0.51	5.00	0.00	0.29	0.29
48.50	0.20	0.50	5.00	0.00	0.28	0.28
48.55	0.20	0.50	5.00	0.00	0.27	0.27
48.60	0.20	0.50	5.00	0.00	0.26	0.26
48.65	0.20	0.50	5.00	0.00	0.25	0.25
48.70	0.20	0.50	5.00	0.00	0.24	0.24

48.75	0.20	0.50	5.00	0.00	0.23	0.23
48.80	0.19	0.50	5.00	0.00	0.23	0.23
48.85	0.19	0.50	5.00	0.00	0.22	0.22
48.90	0.19	0.50	5.00	0.00	0.21	0.21
48.95	0.19	0.50	5.00	0.00	0.20	0.20
49.00	0.19	0.50	5.00	0.00	0.19	0.19
49.05	0.19	0.50	5.00	0.00	0.18	0.18
49.10	0.19	0.50	5.00	0.00	0.17	0.17
49.15	0.19	0.50	5.00	0.00	0.16	0.16
49.20	0.19	0.50	5.00	0.00	0.15	0.15
49.25	0.19	0.50	5.00	0.00	0.14	0.14
49.30	0.19	0.50	5.00	0.00	0.14	0.14
49.35	0.19	0.50	5.00	0.00	0.13	0.13
49.40	0.19	0.50	5.00	0.00	0.12	0.12
49.45	0.19	0.50	5.00	0.00	0.11	0.11
49.50	0.19	0.50	5.00	0.00	0.10	0.10
49.55	0.19	0.50	5.00	0.00	0.09	0.09
49.60	0.19	0.50	5.00	0.00	0.08	0.08
49.65	0.19	0.50	5.00	0.00	0.07	0.07
49.70	0.19	0.50	5.00	0.00	0.06	0.06
49.75	0.19	0.50	5.00	0.00	0.05	0.05
49.80	0.18	0.50	5.00	0.00	0.04	0.04
49.85	0.18	0.50	5.00	0.00	0.03	0.03
49.90	0.18	0.50	5.00	0.00	0.02	0.02
49.95	0.18	0.50	5.00	0.00	0.01	0.01
50.00	0.18	0.50	5.00	0.00	0.00	0.00

* F.S.<1, Liquefaction Potential Zone
(F.S. is limited to 5, CRR is limited to 2, CSR is limited to 2)

Units: Unit: qc, fs, Stress or Pressure = atm (1.0581tsf); Unit Weight = pcf; Depth = ft; Settlement = in.

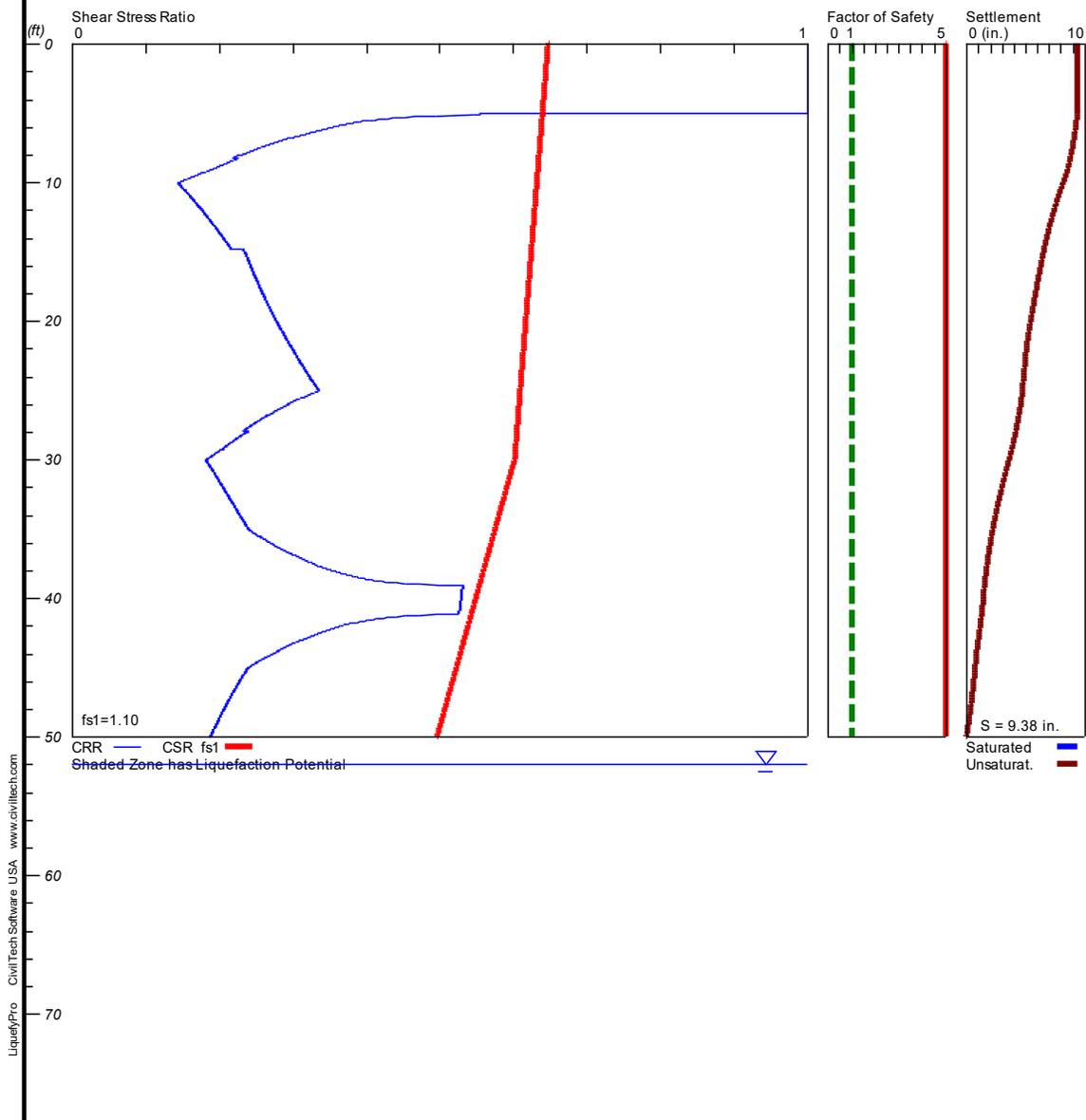
1 atm (atmosphere) = 1 tsf (ton/ft²)
CRRm Cyclic resistance ratio from soils
CSRsf Cyclic stress ratio induced by a given earthquake (with user
request factor of safety)
F.S. Factor of Safety against liquefaction, F.S.=CRRm/CSRsf
S_sat Settlement from saturated sands
S_dry Settlement from Unsaturated Sands
S_all Total Settlement from Saturated and Unsaturated Sands
NoLiq No-Liquefy Soils

DRY SAND SETTLEMENT

644-24039

Hole No.=BH-5 Water Depth=52 ft Surface Elev.=1580

Magnitude=7.2
Acceleration=0.906g



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LIQUEFACTION ANALYSIS SUMMARY

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Input File Name: E:\Liquefy5\644-24039 Dosner BH-5.liq
Title: 644-24039
Subtitle: DOSNER ORGANIC FARMS

Surface Elev.=1580
Hole No.=BH-5
Depth of Hole= 50.00 ft
Water Table during Earthquake= 52.00 ft
Water Table during In-Situ Testing= 52.00 ft
Max. Acceleration= 0.91 g
Earthquake Magnitude= 7.20

Input Data:

Surface Elev.=1580
Hole No.=BH-5
Depth of Hole=50.00 ft
Water Table during Earthquake= 52.00 ft
Water Table during In-Situ Testing= 52.00 ft
Max. Acceleration=0.91 g
Earthquake Magnitude=7.20
No-Liquefiable Soils: CL, OL are Non-Liq. Soil

1. SPT or BPT Calculation.
 2. Settlement Analysis Method: Ishihara / Yoshimine
 3. Fines Correction for Liquefaction: Modify Stark/Olson
 4. Fine Correction for Settlement: During Liquefaction*
 5. Settlement Calculation in: All zones*
 6. Hammer Energy Ratio, Ce = 1.25
 7. Borehole Diameter, Cb= 1
 8. Sampling Method, Cs= 1
 9. User request factor of safety (apply to CSR) , User= 1.1
Plot one CSR curve (fs1=User)
 10. Use Curve Smoothing: Yes*
- * Recommended Options

In-Situ Test Data:

Depth SPT gamma Fines

ft		pcf	%
0.00	9.33	120.10	NoLiq
2.00	9.33	120.10	NoLiq
5.00	4.66	107.40	NoLiq
10.00	4.00	107.40	30.20
15.00	9.33	112.90	34.50
20.00	10.00	112.90	51.60
25.00	13.66	111.30	54.90
30.00	11.00	111.30	22.20
35.00	15.33	108.10	31.10
40.00	11.00	108.10	NoLiq
45.00	24.00	115.90	12.30
50.00	17.00	115.90	22.20

Output Results:

Settlement of Saturated Sands=0.00 in.

Settlement of Unsaturated Sands=9.38 in.

Total Settlement of Saturated and Unsaturated Sands=9.38 in.

Differential Settlement=4.689 to 6.189 in.

Depth ft	CRRm	CSRfs	F.S.	S_sat. in.	S_dry in.	S_all in.
0.00	2.00	0.65	5.00	0.00	9.38	9.38
0.05	2.00	0.65	5.00	0.00	9.38	9.38
0.10	2.00	0.65	5.00	0.00	9.38	9.38
0.15	2.00	0.65	5.00	0.00	9.38	9.38
0.20	2.00	0.65	5.00	0.00	9.38	9.38
0.25	2.00	0.65	5.00	0.00	9.38	9.38
0.30	2.00	0.65	5.00	0.00	9.38	9.38
0.35	2.00	0.65	5.00	0.00	9.38	9.38
0.40	2.00	0.65	5.00	0.00	9.38	9.38
0.45	2.00	0.65	5.00	0.00	9.38	9.38
0.50	2.00	0.65	5.00	0.00	9.38	9.38
0.55	2.00	0.65	5.00	0.00	9.38	9.38
0.60	2.00	0.65	5.00	0.00	9.38	9.38
0.65	2.00	0.65	5.00	0.00	9.38	9.38
0.70	2.00	0.65	5.00	0.00	9.38	9.38
0.75	2.00	0.65	5.00	0.00	9.38	9.38
0.80	2.00	0.65	5.00	0.00	9.38	9.38
0.85	2.00	0.65	5.00	0.00	9.38	9.38
0.90	2.00	0.65	5.00	0.00	9.38	9.38
0.95	2.00	0.65	5.00	0.00	9.38	9.38
1.00	2.00	0.65	5.00	0.00	9.38	9.38
1.05	2.00	0.65	5.00	0.00	9.38	9.38
1.10	2.00	0.65	5.00	0.00	9.38	9.38
1.15	2.00	0.65	5.00	0.00	9.38	9.38
1.20	2.00	0.65	5.00	0.00	9.38	9.38

1.25	2.00	0.65	5.00	0.00	9.38	9.38
1.30	2.00	0.65	5.00	0.00	9.38	9.38
1.35	2.00	0.65	5.00	0.00	9.38	9.38
1.40	2.00	0.65	5.00	0.00	9.38	9.38
1.45	2.00	0.65	5.00	0.00	9.38	9.38
1.50	2.00	0.65	5.00	0.00	9.38	9.38
1.55	2.00	0.65	5.00	0.00	9.38	9.38
1.60	2.00	0.65	5.00	0.00	9.38	9.38
1.65	2.00	0.65	5.00	0.00	9.38	9.38
1.70	2.00	0.65	5.00	0.00	9.38	9.38
1.75	2.00	0.65	5.00	0.00	9.38	9.38
1.80	2.00	0.65	5.00	0.00	9.38	9.38
1.85	2.00	0.64	5.00	0.00	9.38	9.38
1.90	2.00	0.64	5.00	0.00	9.38	9.38
1.95	2.00	0.64	5.00	0.00	9.38	9.38
2.00	2.00	0.64	5.00	0.00	9.38	9.38
2.05	2.00	0.64	5.00	0.00	9.38	9.38
2.10	2.00	0.64	5.00	0.00	9.38	9.38
2.15	2.00	0.64	5.00	0.00	9.38	9.38
2.20	2.00	0.64	5.00	0.00	9.38	9.38
2.25	2.00	0.64	5.00	0.00	9.38	9.38
2.30	2.00	0.64	5.00	0.00	9.38	9.38
2.35	2.00	0.64	5.00	0.00	9.38	9.38
2.40	2.00	0.64	5.00	0.00	9.38	9.38
2.45	2.00	0.64	5.00	0.00	9.38	9.38
2.50	2.00	0.64	5.00	0.00	9.38	9.38
2.55	2.00	0.64	5.00	0.00	9.38	9.38
2.60	2.00	0.64	5.00	0.00	9.38	9.38
2.65	2.00	0.64	5.00	0.00	9.38	9.38
2.70	2.00	0.64	5.00	0.00	9.38	9.38
2.75	2.00	0.64	5.00	0.00	9.38	9.38
2.80	2.00	0.64	5.00	0.00	9.38	9.38
2.85	2.00	0.64	5.00	0.00	9.38	9.38
2.90	2.00	0.64	5.00	0.00	9.38	9.38
2.95	2.00	0.64	5.00	0.00	9.38	9.38
3.00	2.00	0.64	5.00	0.00	9.38	9.38
3.05	2.00	0.64	5.00	0.00	9.38	9.38
3.10	2.00	0.64	5.00	0.00	9.38	9.38
3.15	2.00	0.64	5.00	0.00	9.38	9.38
3.20	2.00	0.64	5.00	0.00	9.38	9.38
3.25	2.00	0.64	5.00	0.00	9.38	9.38
3.30	2.00	0.64	5.00	0.00	9.38	9.38
3.35	2.00	0.64	5.00	0.00	9.38	9.38
3.40	2.00	0.64	5.00	0.00	9.38	9.38
3.45	2.00	0.64	5.00	0.00	9.38	9.38
3.50	2.00	0.64	5.00	0.00	9.38	9.38
3.55	2.00	0.64	5.00	0.00	9.38	9.38
3.60	2.00	0.64	5.00	0.00	9.38	9.38
3.65	2.00	0.64	5.00	0.00	9.38	9.38
3.70	2.00	0.64	5.00	0.00	9.38	9.38

3.75	2.00	0.64	5.00	0.00	9.38	9.38
3.80	2.00	0.64	5.00	0.00	9.38	9.38
3.85	2.00	0.64	5.00	0.00	9.38	9.38
3.90	2.00	0.64	5.00	0.00	9.38	9.38
3.95	2.00	0.64	5.00	0.00	9.38	9.38
4.00	2.00	0.64	5.00	0.00	9.38	9.38
4.05	2.00	0.64	5.00	0.00	9.38	9.38
4.10	2.00	0.64	5.00	0.00	9.38	9.38
4.15	2.00	0.64	5.00	0.00	9.38	9.38
4.20	2.00	0.64	5.00	0.00	9.38	9.38
4.25	2.00	0.64	5.00	0.00	9.38	9.38
4.30	2.00	0.64	5.00	0.00	9.38	9.38
4.35	2.00	0.64	5.00	0.00	9.38	9.38
4.40	2.00	0.64	5.00	0.00	9.38	9.38
4.45	2.00	0.64	5.00	0.00	9.38	9.38
4.50	2.00	0.64	5.00	0.00	9.38	9.38
4.55	2.00	0.64	5.00	0.00	9.38	9.38
4.60	2.00	0.64	5.00	0.00	9.38	9.38
4.65	2.00	0.64	5.00	0.00	9.38	9.38
4.70	2.00	0.64	5.00	0.00	9.38	9.38
4.75	2.00	0.64	5.00	0.00	9.38	9.38
4.80	2.00	0.64	5.00	0.00	9.38	9.38
4.85	2.00	0.64	5.00	0.00	9.38	9.38
4.90	2.00	0.64	5.00	0.00	9.38	9.38
4.95	2.00	0.64	5.00	0.00	9.38	9.38
5.00	0.55	0.64	5.00	0.00	9.38	9.38
5.05	0.55	0.64	5.00	0.00	9.38	9.38
5.10	0.54	0.64	5.00	0.00	9.38	9.38
5.15	0.49	0.64	5.00	0.00	9.37	9.37
5.20	0.47	0.64	5.00	0.00	9.37	9.37
5.25	0.45	0.64	5.00	0.00	9.37	9.37
5.30	0.44	0.64	5.00	0.00	9.36	9.36
5.35	0.43	0.64	5.00	0.00	9.36	9.36
5.40	0.42	0.64	5.00	0.00	9.36	9.36
5.45	0.41	0.64	5.00	0.00	9.35	9.35
5.50	0.40	0.64	5.00	0.00	9.35	9.35
5.55	0.40	0.64	5.00	0.00	9.34	9.34
5.60	0.39	0.64	5.00	0.00	9.33	9.33
5.65	0.38	0.64	5.00	0.00	9.33	9.33
5.70	0.38	0.64	5.00	0.00	9.32	9.32
5.75	0.37	0.64	5.00	0.00	9.31	9.31
5.80	0.37	0.64	5.00	0.00	9.31	9.31
5.85	0.36	0.64	5.00	0.00	9.30	9.30
5.90	0.36	0.64	5.00	0.00	9.29	9.29
5.95	0.36	0.64	5.00	0.00	9.28	9.28
6.00	0.35	0.64	5.00	0.00	9.27	9.27
6.05	0.35	0.64	5.00	0.00	9.27	9.27
6.10	0.34	0.64	5.00	0.00	9.26	9.26
6.15	0.34	0.64	5.00	0.00	9.25	9.25
6.20	0.34	0.64	5.00	0.00	9.24	9.24

6.25	0.33	0.64	5.00	0.00	9.23	9.23
6.30	0.33	0.64	5.00	0.00	9.23	9.23
6.35	0.32	0.64	5.00	0.00	9.22	9.22
6.40	0.32	0.64	5.00	0.00	9.21	9.21
6.45	0.32	0.64	5.00	0.00	9.20	9.20
6.50	0.31	0.64	5.00	0.00	9.19	9.19
6.55	0.31	0.64	5.00	0.00	9.18	9.18
6.60	0.31	0.64	5.00	0.00	9.17	9.17
6.65	0.30	0.64	5.00	0.00	9.17	9.17
6.70	0.30	0.64	5.00	0.00	9.16	9.16
6.75	0.30	0.64	5.00	0.00	9.15	9.15
6.80	0.29	0.64	5.00	0.00	9.14	9.14
6.85	0.29	0.64	5.00	0.00	9.13	9.13
6.90	0.29	0.64	5.00	0.00	9.12	9.12
6.95	0.28	0.64	5.00	0.00	9.11	9.11
7.00	0.28	0.64	5.00	0.00	9.10	9.10
7.05	0.28	0.64	5.00	0.00	9.09	9.09
7.10	0.27	0.64	5.00	0.00	9.08	9.08
7.15	0.27	0.64	5.00	0.00	9.07	9.07
7.20	0.27	0.64	5.00	0.00	9.06	9.06
7.25	0.27	0.64	5.00	0.00	9.05	9.05
7.30	0.26	0.64	5.00	0.00	9.04	9.04
7.35	0.26	0.64	5.00	0.00	9.03	9.03
7.40	0.26	0.64	5.00	0.00	9.02	9.02
7.45	0.25	0.64	5.00	0.00	9.01	9.01
7.50	0.25	0.64	5.00	0.00	9.00	9.00
7.55	0.25	0.64	5.00	0.00	8.99	8.99
7.60	0.25	0.64	5.00	0.00	8.98	8.98
7.65	0.24	0.64	5.00	0.00	8.97	8.97
7.70	0.24	0.64	5.00	0.00	8.95	8.95
7.75	0.24	0.64	5.00	0.00	8.94	8.94
7.80	0.24	0.64	5.00	0.00	8.93	8.93
7.85	0.23	0.64	5.00	0.00	8.92	8.92
7.90	0.23	0.64	5.00	0.00	8.91	8.91
7.95	0.23	0.64	5.00	0.00	8.89	8.89
8.00	0.23	0.64	5.00	0.00	8.88	8.88
8.05	0.22	0.64	5.00	0.00	8.87	8.87
8.10	0.22	0.64	5.00	0.00	8.86	8.86
8.15	0.22	0.64	5.00	0.00	8.84	8.84
8.20	0.22	0.64	5.00	0.00	8.83	8.83
8.25	0.22	0.64	5.00	0.00	8.82	8.82
8.30	0.22	0.64	5.00	0.00	8.81	8.81
8.35	0.22	0.64	5.00	0.00	8.79	8.79
8.40	0.22	0.64	5.00	0.00	8.78	8.78
8.45	0.22	0.64	5.00	0.00	8.77	8.77
8.50	0.21	0.63	5.00	0.00	8.75	8.75
8.55	0.21	0.63	5.00	0.00	8.74	8.74
8.60	0.21	0.63	5.00	0.00	8.73	8.73
8.65	0.21	0.63	5.00	0.00	8.71	8.71
8.70	0.20	0.63	5.00	0.00	8.70	8.70

8.75	0.20	0.63	5.00	0.00	8.68	8.68
8.80	0.20	0.63	5.00	0.00	8.67	8.67
8.85	0.20	0.63	5.00	0.00	8.65	8.65
8.90	0.19	0.63	5.00	0.00	8.64	8.64
8.95	0.19	0.63	5.00	0.00	8.62	8.62
9.00	0.19	0.63	5.00	0.00	8.61	8.61
9.05	0.19	0.63	5.00	0.00	8.59	8.59
9.10	0.18	0.63	5.00	0.00	8.58	8.58
9.15	0.18	0.63	5.00	0.00	8.56	8.56
9.20	0.18	0.63	5.00	0.00	8.54	8.54
9.25	0.18	0.63	5.00	0.00	8.53	8.53
9.30	0.18	0.63	5.00	0.00	8.51	8.51
9.35	0.17	0.63	5.00	0.00	8.49	8.49
9.40	0.17	0.63	5.00	0.00	8.47	8.47
9.45	0.17	0.63	5.00	0.00	8.46	8.46
9.50	0.17	0.63	5.00	0.00	8.44	8.44
9.55	0.16	0.63	5.00	0.00	8.42	8.42
9.60	0.16	0.63	5.00	0.00	8.40	8.40
9.65	0.16	0.63	5.00	0.00	8.38	8.38
9.70	0.16	0.63	5.00	0.00	8.36	8.36
9.75	0.15	0.63	5.00	0.00	8.34	8.34
9.80	0.15	0.63	5.00	0.00	8.32	8.32
9.85	0.15	0.63	5.00	0.00	8.30	8.30
9.90	0.15	0.63	5.00	0.00	8.28	8.28
9.95	0.15	0.63	5.00	0.00	8.26	8.26
10.00	0.14	0.63	5.00	0.00	8.23	8.23
10.05	0.14	0.63	5.00	0.00	8.21	8.21
10.10	0.14	0.63	5.00	0.00	8.19	8.19
10.15	0.15	0.63	5.00	0.00	8.17	8.17
10.20	0.15	0.63	5.00	0.00	8.15	8.15
10.25	0.15	0.63	5.00	0.00	8.12	8.12
10.30	0.15	0.63	5.00	0.00	8.10	8.10
10.35	0.15	0.63	5.00	0.00	8.08	8.08
10.40	0.15	0.63	5.00	0.00	8.06	8.06
10.45	0.15	0.63	5.00	0.00	8.04	8.04
10.50	0.15	0.63	5.00	0.00	8.02	8.02
10.55	0.15	0.63	5.00	0.00	8.00	8.00
10.60	0.15	0.63	5.00	0.00	7.97	7.97
10.65	0.15	0.63	5.00	0.00	7.95	7.95
10.70	0.16	0.63	5.00	0.00	7.93	7.93
10.75	0.16	0.63	5.00	0.00	7.91	7.91
10.80	0.16	0.63	5.00	0.00	7.89	7.89
10.85	0.16	0.63	5.00	0.00	7.87	7.87
10.90	0.16	0.63	5.00	0.00	7.85	7.85
10.95	0.16	0.63	5.00	0.00	7.83	7.83
11.00	0.16	0.63	5.00	0.00	7.81	7.81
11.05	0.16	0.63	5.00	0.00	7.79	7.79
11.10	0.16	0.63	5.00	0.00	7.77	7.77
11.15	0.16	0.63	5.00	0.00	7.75	7.75
11.20	0.16	0.63	5.00	0.00	7.73	7.73

11.25	0.16	0.63	5.00	0.00	7.72	7.72
11.30	0.16	0.63	5.00	0.00	7.70	7.70
11.35	0.17	0.63	5.00	0.00	7.68	7.68
11.40	0.17	0.63	5.00	0.00	7.66	7.66
11.45	0.17	0.63	5.00	0.00	7.64	7.64
11.50	0.17	0.63	5.00	0.00	7.62	7.62
11.55	0.17	0.63	5.00	0.00	7.60	7.60
11.60	0.17	0.63	5.00	0.00	7.59	7.59
11.65	0.17	0.63	5.00	0.00	7.57	7.57
11.70	0.17	0.63	5.00	0.00	7.55	7.55
11.75	0.17	0.63	5.00	0.00	7.53	7.53
11.80	0.17	0.63	5.00	0.00	7.51	7.51
11.85	0.17	0.63	5.00	0.00	7.50	7.50
11.90	0.17	0.63	5.00	0.00	7.48	7.48
11.95	0.18	0.63	5.00	0.00	7.46	7.46
12.00	0.18	0.63	5.00	0.00	7.44	7.44
12.05	0.18	0.63	5.00	0.00	7.43	7.43
12.10	0.18	0.63	5.00	0.00	7.41	7.41
12.15	0.18	0.63	5.00	0.00	7.39	7.39
12.20	0.18	0.63	5.00	0.00	7.37	7.37
12.25	0.18	0.63	5.00	0.00	7.36	7.36
12.30	0.18	0.63	5.00	0.00	7.34	7.34
12.35	0.18	0.63	5.00	0.00	7.32	7.32
12.40	0.18	0.63	5.00	0.00	7.31	7.31
12.45	0.18	0.63	5.00	0.00	7.29	7.29
12.50	0.18	0.63	5.00	0.00	7.27	7.27
12.55	0.18	0.63	5.00	0.00	7.26	7.26
12.60	0.19	0.63	5.00	0.00	7.24	7.24
12.65	0.19	0.63	5.00	0.00	7.22	7.22
12.70	0.19	0.63	5.00	0.00	7.21	7.21
12.75	0.19	0.63	5.00	0.00	7.19	7.19
12.80	0.19	0.63	5.00	0.00	7.18	7.18
12.85	0.19	0.63	5.00	0.00	7.16	7.16
12.90	0.19	0.63	5.00	0.00	7.14	7.14
12.95	0.19	0.63	5.00	0.00	7.13	7.13
13.00	0.19	0.63	5.00	0.00	7.11	7.11
13.05	0.19	0.63	5.00	0.00	7.10	7.10
13.10	0.19	0.63	5.00	0.00	7.08	7.08
13.15	0.19	0.63	5.00	0.00	7.07	7.07
13.20	0.19	0.63	5.00	0.00	7.05	7.05
13.25	0.19	0.63	5.00	0.00	7.03	7.03
13.30	0.20	0.63	5.00	0.00	7.02	7.02
13.35	0.20	0.63	5.00	0.00	7.00	7.00
13.40	0.20	0.63	5.00	0.00	6.99	6.99
13.45	0.20	0.63	5.00	0.00	6.97	6.97
13.50	0.20	0.63	5.00	0.00	6.96	6.96
13.55	0.20	0.63	5.00	0.00	6.94	6.94
13.60	0.20	0.63	5.00	0.00	6.93	6.93
13.65	0.20	0.63	5.00	0.00	6.92	6.92
13.70	0.20	0.63	5.00	0.00	6.90	6.90

13.75	0.20	0.63	5.00	0.00	6.89	6.89
13.80	0.20	0.63	5.00	0.00	6.87	6.87
13.85	0.20	0.63	5.00	0.00	6.86	6.86
13.90	0.20	0.63	5.00	0.00	6.84	6.84
13.95	0.20	0.63	5.00	0.00	6.83	6.83
14.00	0.20	0.63	5.00	0.00	6.81	6.81
14.05	0.21	0.63	5.00	0.00	6.80	6.80
14.10	0.21	0.63	5.00	0.00	6.79	6.79
14.15	0.21	0.63	5.00	0.00	6.77	6.77
14.20	0.21	0.63	5.00	0.00	6.76	6.76
14.25	0.21	0.63	5.00	0.00	6.74	6.74
14.30	0.21	0.63	5.00	0.00	6.73	6.73
14.35	0.21	0.63	5.00	0.00	6.72	6.72
14.40	0.21	0.63	5.00	0.00	6.70	6.70
14.45	0.21	0.63	5.00	0.00	6.69	6.69
14.50	0.21	0.63	5.00	0.00	6.67	6.67
14.55	0.21	0.63	5.00	0.00	6.66	6.66
14.60	0.21	0.63	5.00	0.00	6.65	6.65
14.65	0.21	0.63	5.00	0.00	6.63	6.63
14.70	0.21	0.63	5.00	0.00	6.62	6.62
14.75	0.22	0.63	5.00	0.00	6.61	6.61
14.80	0.23	0.63	5.00	0.00	6.59	6.59
14.85	0.23	0.63	5.00	0.00	6.58	6.58
14.90	0.23	0.63	5.00	0.00	6.57	6.57
14.95	0.23	0.63	5.00	0.00	6.56	6.56
15.00	0.23	0.63	5.00	0.00	6.54	6.54
15.05	0.23	0.63	5.00	0.00	6.53	6.53
15.10	0.24	0.62	5.00	0.00	6.52	6.52
15.15	0.24	0.62	5.00	0.00	6.51	6.51
15.20	0.24	0.62	5.00	0.00	6.50	6.50
15.25	0.24	0.62	5.00	0.00	6.49	6.49
15.30	0.24	0.62	5.00	0.00	6.47	6.47
15.35	0.24	0.62	5.00	0.00	6.46	6.46
15.40	0.24	0.62	5.00	0.00	6.45	6.45
15.45	0.24	0.62	5.00	0.00	6.44	6.44
15.50	0.24	0.62	5.00	0.00	6.43	6.43
15.55	0.24	0.62	5.00	0.00	6.41	6.41
15.60	0.24	0.62	5.00	0.00	6.40	6.40
15.65	0.24	0.62	5.00	0.00	6.39	6.39
15.70	0.24	0.62	5.00	0.00	6.38	6.38
15.75	0.24	0.62	5.00	0.00	6.37	6.37
15.80	0.24	0.62	5.00	0.00	6.36	6.36
15.85	0.24	0.62	5.00	0.00	6.34	6.34
15.90	0.24	0.62	5.00	0.00	6.33	6.33
15.95	0.24	0.62	5.00	0.00	6.32	6.32
16.00	0.24	0.62	5.00	0.00	6.31	6.31
16.05	0.24	0.62	5.00	0.00	6.30	6.30
16.10	0.24	0.62	5.00	0.00	6.29	6.29
16.15	0.24	0.62	5.00	0.00	6.28	6.28
16.20	0.24	0.62	5.00	0.00	6.26	6.26

16.25	0.24	0.62	5.00	0.00	6.25	6.25
16.30	0.24	0.62	5.00	0.00	6.24	6.24
16.35	0.24	0.62	5.00	0.00	6.23	6.23
16.40	0.24	0.62	5.00	0.00	6.22	6.22
16.45	0.25	0.62	5.00	0.00	6.21	6.21
16.50	0.25	0.62	5.00	0.00	6.20	6.20
16.55	0.25	0.62	5.00	0.00	6.18	6.18
16.60	0.25	0.62	5.00	0.00	6.17	6.17
16.65	0.25	0.62	5.00	0.00	6.16	6.16
16.70	0.25	0.62	5.00	0.00	6.15	6.15
16.75	0.25	0.62	5.00	0.00	6.14	6.14
16.80	0.25	0.62	5.00	0.00	6.13	6.13
16.85	0.25	0.62	5.00	0.00	6.12	6.12
16.90	0.25	0.62	5.00	0.00	6.11	6.11
16.95	0.25	0.62	5.00	0.00	6.10	6.10
17.00	0.25	0.62	5.00	0.00	6.08	6.08
17.05	0.25	0.62	5.00	0.00	6.07	6.07
17.10	0.25	0.62	5.00	0.00	6.06	6.06
17.15	0.25	0.62	5.00	0.00	6.05	6.05
17.20	0.25	0.62	5.00	0.00	6.04	6.04
17.25	0.25	0.62	5.00	0.00	6.03	6.03
17.30	0.25	0.62	5.00	0.00	6.02	6.02
17.35	0.25	0.62	5.00	0.00	6.01	6.01
17.40	0.25	0.62	5.00	0.00	6.00	6.00
17.45	0.25	0.62	5.00	0.00	5.99	5.99
17.50	0.25	0.62	5.00	0.00	5.97	5.97
17.55	0.25	0.62	5.00	0.00	5.96	5.96
17.60	0.25	0.62	5.00	0.00	5.95	5.95
17.65	0.26	0.62	5.00	0.00	5.94	5.94
17.70	0.26	0.62	5.00	0.00	5.93	5.93
17.75	0.26	0.62	5.00	0.00	5.92	5.92
17.80	0.26	0.62	5.00	0.00	5.91	5.91
17.85	0.26	0.62	5.00	0.00	5.90	5.90
17.90	0.26	0.62	5.00	0.00	5.89	5.89
17.95	0.26	0.62	5.00	0.00	5.88	5.88
18.00	0.26	0.62	5.00	0.00	5.87	5.87
18.05	0.26	0.62	5.00	0.00	5.86	5.86
18.10	0.26	0.62	5.00	0.00	5.85	5.85
18.15	0.26	0.62	5.00	0.00	5.84	5.84
18.20	0.26	0.62	5.00	0.00	5.82	5.82
18.25	0.26	0.62	5.00	0.00	5.81	5.81
18.30	0.26	0.62	5.00	0.00	5.80	5.80
18.35	0.26	0.62	5.00	0.00	5.79	5.79
18.40	0.26	0.62	5.00	0.00	5.78	5.78
18.45	0.26	0.62	5.00	0.00	5.77	5.77
18.50	0.26	0.62	5.00	0.00	5.76	5.76
18.55	0.26	0.62	5.00	0.00	5.75	5.75
18.60	0.26	0.62	5.00	0.00	5.74	5.74
18.65	0.26	0.62	5.00	0.00	5.73	5.73
18.70	0.26	0.62	5.00	0.00	5.72	5.72

18.75	0.27	0.62	5.00	0.00	5.71	5.71
18.80	0.27	0.62	5.00	0.00	5.70	5.70
18.85	0.27	0.62	5.00	0.00	5.69	5.69
18.90	0.27	0.62	5.00	0.00	5.68	5.68
18.95	0.27	0.62	5.00	0.00	5.67	5.67
19.00	0.27	0.62	5.00	0.00	5.66	5.66
19.05	0.27	0.62	5.00	0.00	5.65	5.65
19.10	0.27	0.62	5.00	0.00	5.64	5.64
19.15	0.27	0.62	5.00	0.00	5.63	5.63
19.20	0.27	0.62	5.00	0.00	5.62	5.62
19.25	0.27	0.62	5.00	0.00	5.61	5.61
19.30	0.27	0.62	5.00	0.00	5.60	5.60
19.35	0.27	0.62	5.00	0.00	5.59	5.59
19.40	0.27	0.62	5.00	0.00	5.58	5.58
19.45	0.27	0.62	5.00	0.00	5.57	5.57
19.50	0.27	0.62	5.00	0.00	5.56	5.56
19.55	0.27	0.62	5.00	0.00	5.55	5.55
19.60	0.27	0.62	5.00	0.00	5.54	5.54
19.65	0.27	0.62	5.00	0.00	5.53	5.53
19.70	0.27	0.62	5.00	0.00	5.52	5.52
19.75	0.27	0.62	5.00	0.00	5.51	5.51
19.80	0.28	0.62	5.00	0.00	5.50	5.50
19.85	0.28	0.62	5.00	0.00	5.49	5.49
19.90	0.28	0.62	5.00	0.00	5.48	5.48
19.95	0.28	0.62	5.00	0.00	5.47	5.47
20.00	0.28	0.62	5.00	0.00	5.46	5.46
20.05	0.28	0.62	5.00	0.00	5.45	5.45
20.10	0.28	0.62	5.00	0.00	5.44	5.44
20.15	0.28	0.62	5.00	0.00	5.43	5.43
20.20	0.28	0.62	5.00	0.00	5.42	5.42
20.25	0.28	0.62	5.00	0.00	5.41	5.41
20.30	0.28	0.62	5.00	0.00	5.40	5.40
20.35	0.28	0.62	5.00	0.00	5.39	5.39
20.40	0.28	0.62	5.00	0.00	5.38	5.38
20.45	0.28	0.62	5.00	0.00	5.37	5.37
20.50	0.28	0.62	5.00	0.00	5.36	5.36
20.55	0.28	0.62	5.00	0.00	5.35	5.35
20.60	0.28	0.62	5.00	0.00	5.34	5.34
20.65	0.28	0.62	5.00	0.00	5.33	5.33
20.70	0.28	0.62	5.00	0.00	5.32	5.32
20.75	0.29	0.62	5.00	0.00	5.31	5.31
20.80	0.29	0.62	5.00	0.00	5.30	5.30
20.85	0.29	0.62	5.00	0.00	5.29	5.29
20.90	0.29	0.62	5.00	0.00	5.28	5.28
20.95	0.29	0.62	5.00	0.00	5.27	5.27
21.00	0.29	0.62	5.00	0.00	5.26	5.26
21.05	0.29	0.62	5.00	0.00	5.26	5.26
21.10	0.29	0.62	5.00	0.00	5.25	5.25
21.15	0.29	0.62	5.00	0.00	5.24	5.24
21.20	0.29	0.62	5.00	0.00	5.23	5.23

21.25	0.29	0.62	5.00	0.00	5.22	5.22
21.30	0.29	0.62	5.00	0.00	5.21	5.21
21.35	0.29	0.62	5.00	0.00	5.20	5.20
21.40	0.29	0.62	5.00	0.00	5.19	5.19
21.45	0.29	0.62	5.00	0.00	5.18	5.18
21.50	0.29	0.62	5.00	0.00	5.17	5.17
21.55	0.29	0.62	5.00	0.00	5.16	5.16
21.60	0.29	0.62	5.00	0.00	5.15	5.15
21.65	0.29	0.62	5.00	0.00	5.14	5.14
21.70	0.30	0.62	5.00	0.00	5.13	5.13
21.75	0.30	0.61	5.00	0.00	5.12	5.12
21.80	0.30	0.61	5.00	0.00	5.12	5.12
21.85	0.30	0.61	5.00	0.00	5.11	5.11
21.90	0.30	0.61	5.00	0.00	5.10	5.10
21.95	0.30	0.61	5.00	0.00	5.10	5.10
22.00	0.30	0.61	5.00	0.00	5.09	5.09
22.05	0.30	0.61	5.00	0.00	5.08	5.08
22.10	0.30	0.61	5.00	0.00	5.08	5.08
22.15	0.30	0.61	5.00	0.00	5.07	5.07
22.20	0.30	0.61	5.00	0.00	5.07	5.07
22.25	0.30	0.61	5.00	0.00	5.06	5.06
22.30	0.30	0.61	5.00	0.00	5.06	5.06
22.35	0.30	0.61	5.00	0.00	5.05	5.05
22.40	0.30	0.61	5.00	0.00	5.05	5.05
22.45	0.30	0.61	5.00	0.00	5.04	5.04
22.50	0.30	0.61	5.00	0.00	5.03	5.03
22.55	0.30	0.61	5.00	0.00	5.03	5.03
22.60	0.31	0.61	5.00	0.00	5.02	5.02
22.65	0.31	0.61	5.00	0.00	5.02	5.02
22.70	0.31	0.61	5.00	0.00	5.01	5.01
22.75	0.31	0.61	5.00	0.00	5.01	5.01
22.80	0.31	0.61	5.00	0.00	5.00	5.00
22.85	0.31	0.61	5.00	0.00	5.00	5.00
22.90	0.31	0.61	5.00	0.00	4.99	4.99
22.95	0.31	0.61	5.00	0.00	4.98	4.98
23.00	0.31	0.61	5.00	0.00	4.98	4.98
23.05	0.31	0.61	5.00	0.00	4.97	4.97
23.10	0.31	0.61	5.00	0.00	4.97	4.97
23.15	0.31	0.61	5.00	0.00	4.96	4.96
23.20	0.31	0.61	5.00	0.00	4.96	4.96
23.25	0.31	0.61	5.00	0.00	4.95	4.95
23.30	0.31	0.61	5.00	0.00	4.95	4.95
23.35	0.31	0.61	5.00	0.00	4.94	4.94
23.40	0.31	0.61	5.00	0.00	4.93	4.93
23.45	0.32	0.61	5.00	0.00	4.93	4.93
23.50	0.32	0.61	5.00	0.00	4.92	4.92
23.55	0.32	0.61	5.00	0.00	4.92	4.92
23.60	0.32	0.61	5.00	0.00	4.91	4.91
23.65	0.32	0.61	5.00	0.00	4.91	4.91
23.70	0.32	0.61	5.00	0.00	4.90	4.90

23.75	0.32	0.61	5.00	0.00	4.89	4.89
23.80	0.32	0.61	5.00	0.00	4.89	4.89
23.85	0.32	0.61	5.00	0.00	4.88	4.88
23.90	0.32	0.61	5.00	0.00	4.88	4.88
23.95	0.32	0.61	5.00	0.00	4.87	4.87
24.00	0.32	0.61	5.00	0.00	4.87	4.87
24.05	0.32	0.61	5.00	0.00	4.86	4.86
24.10	0.32	0.61	5.00	0.00	4.85	4.85
24.15	0.32	0.61	5.00	0.00	4.85	4.85
24.20	0.32	0.61	5.00	0.00	4.84	4.84
24.25	0.33	0.61	5.00	0.00	4.84	4.84
24.30	0.33	0.61	5.00	0.00	4.83	4.83
24.35	0.33	0.61	5.00	0.00	4.83	4.83
24.40	0.33	0.61	5.00	0.00	4.82	4.82
24.45	0.33	0.61	5.00	0.00	4.81	4.81
24.50	0.33	0.61	5.00	0.00	4.81	4.81
24.55	0.33	0.61	5.00	0.00	4.80	4.80
24.60	0.33	0.61	5.00	0.00	4.80	4.80
24.65	0.33	0.61	5.00	0.00	4.79	4.79
24.70	0.33	0.61	5.00	0.00	4.79	4.79
24.75	0.33	0.61	5.00	0.00	4.78	4.78
24.80	0.33	0.61	5.00	0.00	4.77	4.77
24.85	0.33	0.61	5.00	0.00	4.77	4.77
24.90	0.33	0.61	5.00	0.00	4.76	4.76
24.95	0.33	0.61	5.00	0.00	4.76	4.76
25.00	0.33	0.61	5.00	0.00	4.75	4.75
25.05	0.33	0.61	5.00	0.00	4.75	4.75
25.10	0.33	0.61	5.00	0.00	4.74	4.74
25.15	0.33	0.61	5.00	0.00	4.73	4.73
25.20	0.33	0.61	5.00	0.00	4.73	4.73
25.25	0.32	0.61	5.00	0.00	4.72	4.72
25.30	0.32	0.61	5.00	0.00	4.71	4.71
25.35	0.32	0.61	5.00	0.00	4.71	4.71
25.40	0.32	0.61	5.00	0.00	4.70	4.70
25.45	0.31	0.61	5.00	0.00	4.69	4.69
25.50	0.31	0.61	5.00	0.00	4.69	4.69
25.55	0.31	0.61	5.00	0.00	4.68	4.68
25.60	0.31	0.61	5.00	0.00	4.67	4.67
25.65	0.31	0.61	5.00	0.00	4.67	4.67
25.70	0.30	0.61	5.00	0.00	4.66	4.66
25.75	0.30	0.61	5.00	0.00	4.65	4.65
25.80	0.30	0.61	5.00	0.00	4.64	4.64
25.85	0.30	0.61	5.00	0.00	4.63	4.63
25.90	0.30	0.61	5.00	0.00	4.63	4.63
25.95	0.29	0.61	5.00	0.00	4.62	4.62
26.00	0.29	0.61	5.00	0.00	4.61	4.61
26.05	0.29	0.61	5.00	0.00	4.60	4.60
26.10	0.29	0.61	5.00	0.00	4.59	4.59
26.15	0.29	0.61	5.00	0.00	4.58	4.58
26.20	0.28	0.61	5.00	0.00	4.57	4.57

26.25	0.28	0.61	5.00	0.00	4.56	4.56
26.30	0.28	0.61	5.00	0.00	4.55	4.55
26.35	0.28	0.61	5.00	0.00	4.54	4.54
26.40	0.28	0.61	5.00	0.00	4.54	4.54
26.45	0.28	0.61	5.00	0.00	4.53	4.53
26.50	0.27	0.61	5.00	0.00	4.52	4.52
26.55	0.27	0.61	5.00	0.00	4.51	4.51
26.60	0.27	0.61	5.00	0.00	4.50	4.50
26.65	0.27	0.61	5.00	0.00	4.49	4.49
26.70	0.27	0.61	5.00	0.00	4.48	4.48
26.75	0.27	0.61	5.00	0.00	4.47	4.47
26.80	0.26	0.61	5.00	0.00	4.45	4.45
26.85	0.26	0.61	5.00	0.00	4.44	4.44
26.90	0.26	0.61	5.00	0.00	4.43	4.43
26.95	0.26	0.61	5.00	0.00	4.42	4.42
27.00	0.26	0.61	5.00	0.00	4.41	4.41
27.05	0.26	0.61	5.00	0.00	4.40	4.40
27.10	0.25	0.61	5.00	0.00	4.39	4.39
27.15	0.25	0.61	5.00	0.00	4.38	4.38
27.20	0.25	0.61	5.00	0.00	4.37	4.37
27.25	0.25	0.61	5.00	0.00	4.36	4.36
27.30	0.25	0.61	5.00	0.00	4.35	4.35
27.35	0.25	0.61	5.00	0.00	4.34	4.34
27.40	0.25	0.61	5.00	0.00	4.33	4.33
27.45	0.24	0.61	5.00	0.00	4.31	4.31
27.50	0.24	0.61	5.00	0.00	4.30	4.30
27.55	0.24	0.61	5.00	0.00	4.29	4.29
27.60	0.24	0.61	5.00	0.00	4.28	4.28
27.65	0.24	0.61	5.00	0.00	4.27	4.27
27.70	0.24	0.61	5.00	0.00	4.26	4.26
27.75	0.24	0.61	5.00	0.00	4.24	4.24
27.80	0.23	0.61	5.00	0.00	4.23	4.23
27.85	0.23	0.61	5.00	0.00	4.22	4.22
27.90	0.24	0.61	5.00	0.00	4.21	4.21
27.95	0.24	0.61	5.00	0.00	4.20	4.20
28.00	0.24	0.61	5.00	0.00	4.19	4.19
28.05	0.23	0.61	5.00	0.00	4.17	4.17
28.10	0.23	0.61	5.00	0.00	4.16	4.16
28.15	0.23	0.61	5.00	0.00	4.15	4.15
28.20	0.23	0.61	5.00	0.00	4.14	4.14
28.25	0.23	0.61	5.00	0.00	4.12	4.12
28.30	0.23	0.61	5.00	0.00	4.11	4.11
28.35	0.23	0.60	5.00	0.00	4.10	4.10
28.40	0.22	0.60	5.00	0.00	4.09	4.09
28.45	0.22	0.60	5.00	0.00	4.07	4.07
28.50	0.22	0.60	5.00	0.00	4.06	4.06
28.55	0.22	0.60	5.00	0.00	4.05	4.05
28.60	0.22	0.60	5.00	0.00	4.04	4.04
28.65	0.22	0.60	5.00	0.00	4.02	4.02
28.70	0.22	0.60	5.00	0.00	4.01	4.01

28.75	0.21	0.60	5.00	0.00	4.00	4.00
28.80	0.21	0.60	5.00	0.00	3.98	3.98
28.85	0.21	0.60	5.00	0.00	3.97	3.97
28.90	0.21	0.60	5.00	0.00	3.96	3.96
28.95	0.21	0.60	5.00	0.00	3.94	3.94
29.00	0.21	0.60	5.00	0.00	3.93	3.93
29.05	0.21	0.60	5.00	0.00	3.91	3.91
29.10	0.21	0.60	5.00	0.00	3.90	3.90
29.15	0.20	0.60	5.00	0.00	3.89	3.89
29.20	0.20	0.60	5.00	0.00	3.87	3.87
29.25	0.20	0.60	5.00	0.00	3.86	3.86
29.30	0.20	0.60	5.00	0.00	3.84	3.84
29.35	0.20	0.60	5.00	0.00	3.83	3.83
29.40	0.20	0.60	5.00	0.00	3.81	3.81
29.45	0.20	0.60	5.00	0.00	3.80	3.80
29.50	0.19	0.60	5.00	0.00	3.78	3.78
29.55	0.19	0.60	5.00	0.00	3.77	3.77
29.60	0.19	0.60	5.00	0.00	3.75	3.75
29.65	0.19	0.60	5.00	0.00	3.74	3.74
29.70	0.19	0.60	5.00	0.00	3.72	3.72
29.75	0.19	0.60	5.00	0.00	3.71	3.71
29.80	0.19	0.60	5.00	0.00	3.69	3.69
29.85	0.19	0.60	5.00	0.00	3.67	3.67
29.90	0.18	0.60	5.00	0.00	3.66	3.66
29.95	0.18	0.60	5.00	0.00	3.64	3.64
30.00	0.18	0.60	5.00	0.00	3.62	3.62
30.05	0.18	0.60	5.00	0.00	3.61	3.61
30.10	0.18	0.60	5.00	0.00	3.59	3.59
30.15	0.18	0.60	5.00	0.00	3.57	3.57
30.20	0.18	0.60	5.00	0.00	3.56	3.56
30.25	0.18	0.60	5.00	0.00	3.54	3.54
30.30	0.18	0.60	5.00	0.00	3.52	3.52
30.35	0.19	0.60	5.00	0.00	3.51	3.51
30.40	0.19	0.60	5.00	0.00	3.49	3.49
30.45	0.19	0.60	5.00	0.00	3.48	3.48
30.50	0.19	0.60	5.00	0.00	3.46	3.46
30.55	0.19	0.60	5.00	0.00	3.44	3.44
30.60	0.19	0.60	5.00	0.00	3.43	3.43
30.65	0.19	0.60	5.00	0.00	3.41	3.41
30.70	0.19	0.60	5.00	0.00	3.40	3.40
30.75	0.19	0.60	5.00	0.00	3.38	3.38
30.80	0.19	0.60	5.00	0.00	3.36	3.36
30.85	0.19	0.60	5.00	0.00	3.35	3.35
30.90	0.19	0.60	5.00	0.00	3.33	3.33
30.95	0.19	0.60	5.00	0.00	3.32	3.32
31.00	0.19	0.60	5.00	0.00	3.30	3.30
31.05	0.19	0.60	5.00	0.00	3.29	3.29
31.10	0.19	0.60	5.00	0.00	3.27	3.27
31.15	0.19	0.60	5.00	0.00	3.26	3.26
31.20	0.20	0.60	5.00	0.00	3.24	3.24

31.25	0.20	0.60	5.00	0.00	3.23	3.23
31.30	0.20	0.60	5.00	0.00	3.21	3.21
31.35	0.20	0.60	5.00	0.00	3.20	3.20
31.40	0.20	0.59	5.00	0.00	3.18	3.18
31.45	0.20	0.59	5.00	0.00	3.17	3.17
31.50	0.20	0.59	5.00	0.00	3.15	3.15
31.55	0.20	0.59	5.00	0.00	3.14	3.14
31.60	0.20	0.59	5.00	0.00	3.12	3.12
31.65	0.20	0.59	5.00	0.00	3.11	3.11
31.70	0.20	0.59	5.00	0.00	3.09	3.09
31.75	0.20	0.59	5.00	0.00	3.08	3.08
31.80	0.20	0.59	5.00	0.00	3.06	3.06
31.85	0.20	0.59	5.00	0.00	3.05	3.05
31.90	0.20	0.59	5.00	0.00	3.04	3.04
31.95	0.20	0.59	5.00	0.00	3.02	3.02
32.00	0.20	0.59	5.00	0.00	3.01	3.01
32.05	0.21	0.59	5.00	0.00	2.99	2.99
32.10	0.21	0.59	5.00	0.00	2.98	2.98
32.15	0.21	0.59	5.00	0.00	2.97	2.97
32.20	0.21	0.59	5.00	0.00	2.95	2.95
32.25	0.21	0.59	5.00	0.00	2.94	2.94
32.30	0.21	0.59	5.00	0.00	2.92	2.92
32.35	0.21	0.59	5.00	0.00	2.91	2.91
32.40	0.21	0.59	5.00	0.00	2.90	2.90
32.45	0.21	0.59	5.00	0.00	2.88	2.88
32.50	0.21	0.59	5.00	0.00	2.87	2.87
32.55	0.21	0.59	5.00	0.00	2.86	2.86
32.60	0.21	0.59	5.00	0.00	2.84	2.84
32.65	0.21	0.59	5.00	0.00	2.83	2.83
32.70	0.21	0.59	5.00	0.00	2.82	2.82
32.75	0.21	0.59	5.00	0.00	2.80	2.80
32.80	0.21	0.59	5.00	0.00	2.79	2.79
32.85	0.21	0.59	5.00	0.00	2.78	2.78
32.90	0.21	0.59	5.00	0.00	2.76	2.76
32.95	0.22	0.59	5.00	0.00	2.75	2.75
33.00	0.22	0.59	5.00	0.00	2.74	2.74
33.05	0.22	0.59	5.00	0.00	2.72	2.72
33.10	0.22	0.59	5.00	0.00	2.71	2.71
33.15	0.22	0.59	5.00	0.00	2.70	2.70
33.20	0.22	0.59	5.00	0.00	2.68	2.68
33.25	0.22	0.59	5.00	0.00	2.67	2.67
33.30	0.22	0.58	5.00	0.00	2.66	2.66
33.35	0.22	0.58	5.00	0.00	2.65	2.65
33.40	0.22	0.58	5.00	0.00	2.63	2.63
33.45	0.22	0.58	5.00	0.00	2.62	2.62
33.50	0.22	0.58	5.00	0.00	2.61	2.61
33.55	0.22	0.58	5.00	0.00	2.60	2.60
33.60	0.22	0.58	5.00	0.00	2.58	2.58
33.65	0.22	0.58	5.00	0.00	2.57	2.57
33.70	0.22	0.58	5.00	0.00	2.56	2.56

33.75	0.22	0.58	5.00	0.00	2.55	2.55
33.80	0.23	0.58	5.00	0.00	2.53	2.53
33.85	0.23	0.58	5.00	0.00	2.52	2.52
33.90	0.23	0.58	5.00	0.00	2.51	2.51
33.95	0.23	0.58	5.00	0.00	2.50	2.50
34.00	0.23	0.58	5.00	0.00	2.48	2.48
34.05	0.23	0.58	5.00	0.00	2.47	2.47
34.10	0.23	0.58	5.00	0.00	2.46	2.46
34.15	0.23	0.58	5.00	0.00	2.45	2.45
34.20	0.23	0.58	5.00	0.00	2.44	2.44
34.25	0.23	0.58	5.00	0.00	2.42	2.42
34.30	0.23	0.58	5.00	0.00	2.41	2.41
34.35	0.23	0.58	5.00	0.00	2.40	2.40
34.40	0.23	0.58	5.00	0.00	2.39	2.39
34.45	0.23	0.58	5.00	0.00	2.38	2.38
34.50	0.23	0.58	5.00	0.00	2.36	2.36
34.55	0.23	0.58	5.00	0.00	2.35	2.35
34.60	0.23	0.58	5.00	0.00	2.34	2.34
34.65	0.23	0.58	5.00	0.00	2.33	2.33
34.70	0.24	0.58	5.00	0.00	2.32	2.32
34.75	0.24	0.58	5.00	0.00	2.31	2.31
34.80	0.24	0.58	5.00	0.00	2.29	2.29
34.85	0.24	0.58	5.00	0.00	2.28	2.28
34.90	0.24	0.58	5.00	0.00	2.27	2.27
34.95	0.24	0.58	5.00	0.00	2.26	2.26
35.00	0.24	0.58	5.00	0.00	2.25	2.25
35.05	0.24	0.58	5.00	0.00	2.24	2.24
35.10	0.24	0.58	5.00	0.00	2.23	2.23
35.15	0.24	0.58	5.00	0.00	2.22	2.22
35.20	0.24	0.57	5.00	0.00	2.20	2.20
35.25	0.25	0.57	5.00	0.00	2.19	2.19
35.30	0.25	0.57	5.00	0.00	2.18	2.18
35.35	0.25	0.57	5.00	0.00	2.17	2.17
35.40	0.25	0.57	5.00	0.00	2.16	2.16
35.45	0.25	0.57	5.00	0.00	2.15	2.15
35.50	0.25	0.57	5.00	0.00	2.14	2.14
35.55	0.25	0.57	5.00	0.00	2.13	2.13
35.60	0.26	0.57	5.00	0.00	2.12	2.12
35.65	0.26	0.57	5.00	0.00	2.11	2.11
35.70	0.26	0.57	5.00	0.00	2.10	2.10
35.75	0.26	0.57	5.00	0.00	2.09	2.09
35.80	0.26	0.57	5.00	0.00	2.08	2.08
35.85	0.26	0.57	5.00	0.00	2.07	2.07
35.90	0.27	0.57	5.00	0.00	2.06	2.06
35.95	0.27	0.57	5.00	0.00	2.05	2.05
36.00	0.27	0.57	5.00	0.00	2.04	2.04
36.05	0.27	0.57	5.00	0.00	2.03	2.03
36.10	0.27	0.57	5.00	0.00	2.02	2.02
36.15	0.27	0.57	5.00	0.00	2.01	2.01
36.20	0.28	0.57	5.00	0.00	2.00	2.00

36.25	0.28	0.57	5.00	0.00	1.99	1.99
36.30	0.28	0.57	5.00	0.00	1.98	1.98
36.35	0.28	0.57	5.00	0.00	1.97	1.97
36.40	0.28	0.57	5.00	0.00	1.96	1.96
36.45	0.28	0.57	5.00	0.00	1.95	1.95
36.50	0.29	0.57	5.00	0.00	1.94	1.94
36.55	0.29	0.57	5.00	0.00	1.93	1.93
36.60	0.29	0.57	5.00	0.00	1.92	1.92
36.65	0.29	0.57	5.00	0.00	1.91	1.91
36.70	0.29	0.57	5.00	0.00	1.91	1.91
36.75	0.30	0.57	5.00	0.00	1.90	1.90
36.80	0.30	0.57	5.00	0.00	1.89	1.89
36.85	0.30	0.57	5.00	0.00	1.88	1.88
36.90	0.30	0.57	5.00	0.00	1.87	1.87
36.95	0.30	0.57	5.00	0.00	1.86	1.86
37.00	0.31	0.57	5.00	0.00	1.85	1.85
37.05	0.31	0.57	5.00	0.00	1.84	1.84
37.10	0.31	0.56	5.00	0.00	1.84	1.84
37.15	0.31	0.56	5.00	0.00	1.83	1.83
37.20	0.31	0.56	5.00	0.00	1.82	1.82
37.25	0.32	0.56	5.00	0.00	1.81	1.81
37.30	0.32	0.56	5.00	0.00	1.80	1.80
37.35	0.32	0.56	5.00	0.00	1.79	1.79
37.40	0.32	0.56	5.00	0.00	1.79	1.79
37.45	0.33	0.56	5.00	0.00	1.78	1.78
37.50	0.33	0.56	5.00	0.00	1.77	1.77
37.55	0.33	0.56	5.00	0.00	1.76	1.76
37.60	0.33	0.56	5.00	0.00	1.75	1.75
37.65	0.34	0.56	5.00	0.00	1.75	1.75
37.70	0.34	0.56	5.00	0.00	1.74	1.74
37.75	0.34	0.56	5.00	0.00	1.73	1.73
37.80	0.34	0.56	5.00	0.00	1.72	1.72
37.85	0.35	0.56	5.00	0.00	1.71	1.71
37.90	0.35	0.56	5.00	0.00	1.71	1.71
37.95	0.35	0.56	5.00	0.00	1.70	1.70
38.00	0.35	0.56	5.00	0.00	1.69	1.69
38.05	0.36	0.56	5.00	0.00	1.68	1.68
38.10	0.36	0.56	5.00	0.00	1.68	1.68
38.15	0.36	0.56	5.00	0.00	1.67	1.67
38.20	0.37	0.56	5.00	0.00	1.66	1.66
38.25	0.37	0.56	5.00	0.00	1.65	1.65
38.30	0.37	0.56	5.00	0.00	1.65	1.65
38.35	0.38	0.56	5.00	0.00	1.64	1.64
38.40	0.38	0.56	5.00	0.00	1.63	1.63
38.45	0.39	0.56	5.00	0.00	1.62	1.62
38.50	0.39	0.56	5.00	0.00	1.62	1.62
38.55	0.40	0.56	5.00	0.00	1.61	1.61
38.60	0.40	0.56	5.00	0.00	1.60	1.60
38.65	0.41	0.56	5.00	0.00	1.60	1.60
38.70	0.41	0.56	5.00	0.00	1.59	1.59

38.75	0.42	0.56	5.00	0.00	1.58	1.58
38.80	0.43	0.56	5.00	0.00	1.58	1.58
38.85	0.44	0.56	5.00	0.00	1.57	1.57
38.90	0.45	0.56	5.00	0.00	1.56	1.56
38.95	0.47	0.56	5.00	0.00	1.55	1.55
39.00	0.50	0.55	5.00	0.00	1.55	1.55
39.05	0.53	0.55	5.00	0.00	1.54	1.54
39.10	0.53	0.55	5.00	0.00	1.53	1.53
39.15	0.53	0.55	5.00	0.00	1.53	1.53
39.20	0.53	0.55	5.00	0.00	1.52	1.52
39.25	0.53	0.55	5.00	0.00	1.51	1.51
39.30	0.53	0.55	5.00	0.00	1.51	1.51
39.35	0.53	0.55	5.00	0.00	1.50	1.50
39.40	0.53	0.55	5.00	0.00	1.50	1.50
39.45	0.53	0.55	5.00	0.00	1.49	1.49
39.50	0.53	0.55	5.00	0.00	1.48	1.48
39.55	0.53	0.55	5.00	0.00	1.48	1.48
39.60	0.53	0.55	5.00	0.00	1.47	1.47
39.65	0.53	0.55	5.00	0.00	1.46	1.46
39.70	0.53	0.55	5.00	0.00	1.46	1.46
39.75	0.53	0.55	5.00	0.00	1.45	1.45
39.80	0.53	0.55	5.00	0.00	1.45	1.45
39.85	0.53	0.55	5.00	0.00	1.44	1.44
39.90	0.53	0.55	5.00	0.00	1.43	1.43
39.95	0.53	0.55	5.00	0.00	1.43	1.43
40.00	0.53	0.55	5.00	0.00	1.43	1.43
40.05	0.53	0.55	5.00	0.00	1.43	1.43
40.10	0.53	0.55	5.00	0.00	1.43	1.43
40.15	0.53	0.55	5.00	0.00	1.42	1.42
40.20	0.53	0.55	5.00	0.00	1.42	1.42
40.25	0.53	0.55	5.00	0.00	1.41	1.41
40.30	0.53	0.55	5.00	0.00	1.40	1.40
40.35	0.53	0.55	5.00	0.00	1.40	1.40
40.40	0.53	0.55	5.00	0.00	1.39	1.39
40.45	0.53	0.55	5.00	0.00	1.39	1.39
40.50	0.53	0.55	5.00	0.00	1.38	1.38
40.55	0.53	0.55	5.00	0.00	1.37	1.37
40.60	0.53	0.55	5.00	0.00	1.37	1.37
40.65	0.53	0.55	5.00	0.00	1.36	1.36
40.70	0.53	0.55	5.00	0.00	1.35	1.35
40.75	0.53	0.55	5.00	0.00	1.35	1.35
40.80	0.53	0.55	5.00	0.00	1.34	1.34
40.85	0.53	0.55	5.00	0.00	1.34	1.34
40.90	0.53	0.54	5.00	0.00	1.33	1.33
40.95	0.53	0.54	5.00	0.00	1.32	1.32
41.00	0.53	0.54	5.00	0.00	1.32	1.32
41.05	0.53	0.54	5.00	0.00	1.31	1.31
41.10	0.53	0.54	5.00	0.00	1.30	1.30
41.15	0.50	0.54	5.00	0.00	1.30	1.30
41.20	0.47	0.54	5.00	0.00	1.29	1.29

41.25	0.45	0.54	5.00	0.00	1.28	1.28
41.30	0.44	0.54	5.00	0.00	1.28	1.28
41.35	0.43	0.54	5.00	0.00	1.27	1.27
41.40	0.42	0.54	5.00	0.00	1.26	1.26
41.45	0.41	0.54	5.00	0.00	1.25	1.25
41.50	0.41	0.54	5.00	0.00	1.25	1.25
41.55	0.40	0.54	5.00	0.00	1.24	1.24
41.60	0.40	0.54	5.00	0.00	1.23	1.23
41.65	0.39	0.54	5.00	0.00	1.23	1.23
41.70	0.39	0.54	5.00	0.00	1.22	1.22
41.75	0.38	0.54	5.00	0.00	1.21	1.21
41.80	0.38	0.54	5.00	0.00	1.21	1.21
41.85	0.37	0.54	5.00	0.00	1.20	1.20
41.90	0.37	0.54	5.00	0.00	1.19	1.19
41.95	0.37	0.54	5.00	0.00	1.18	1.18
42.00	0.36	0.54	5.00	0.00	1.18	1.18
42.05	0.36	0.54	5.00	0.00	1.17	1.17
42.10	0.36	0.54	5.00	0.00	1.16	1.16
42.15	0.35	0.54	5.00	0.00	1.15	1.15
42.20	0.35	0.54	5.00	0.00	1.15	1.15
42.25	0.35	0.54	5.00	0.00	1.14	1.14
42.30	0.35	0.54	5.00	0.00	1.13	1.13
42.35	0.34	0.54	5.00	0.00	1.12	1.12
42.40	0.34	0.54	5.00	0.00	1.12	1.12
42.45	0.34	0.54	5.00	0.00	1.11	1.11
42.50	0.33	0.54	5.00	0.00	1.10	1.10
42.55	0.33	0.54	5.00	0.00	1.09	1.09
42.60	0.33	0.54	5.00	0.00	1.09	1.09
42.65	0.33	0.54	5.00	0.00	1.08	1.08
42.70	0.32	0.54	5.00	0.00	1.07	1.07
42.75	0.32	0.54	5.00	0.00	1.06	1.06
42.80	0.32	0.53	5.00	0.00	1.05	1.05
42.85	0.32	0.53	5.00	0.00	1.05	1.05
42.90	0.31	0.53	5.00	0.00	1.04	1.04
42.95	0.31	0.53	5.00	0.00	1.03	1.03
43.00	0.31	0.53	5.00	0.00	1.02	1.02
43.05	0.31	0.53	5.00	0.00	1.01	1.01
43.10	0.31	0.53	5.00	0.00	1.00	1.00
43.15	0.30	0.53	5.00	0.00	1.00	1.00
43.20	0.30	0.53	5.00	0.00	0.99	0.99
43.25	0.30	0.53	5.00	0.00	0.98	0.98
43.30	0.30	0.53	5.00	0.00	0.97	0.97
43.35	0.30	0.53	5.00	0.00	0.96	0.96
43.40	0.29	0.53	5.00	0.00	0.95	0.95
43.45	0.29	0.53	5.00	0.00	0.94	0.94
43.50	0.29	0.53	5.00	0.00	0.94	0.94
43.55	0.29	0.53	5.00	0.00	0.93	0.93
43.60	0.29	0.53	5.00	0.00	0.92	0.92
43.65	0.28	0.53	5.00	0.00	0.91	0.91
43.70	0.28	0.53	5.00	0.00	0.90	0.90

43.75	0.28	0.53	5.00	0.00	0.89	0.89
43.80	0.28	0.53	5.00	0.00	0.88	0.88
43.85	0.28	0.53	5.00	0.00	0.87	0.87
43.90	0.27	0.53	5.00	0.00	0.86	0.86
43.95	0.27	0.53	5.00	0.00	0.86	0.86
44.00	0.27	0.53	5.00	0.00	0.85	0.85
44.05	0.27	0.53	5.00	0.00	0.84	0.84
44.10	0.27	0.53	5.00	0.00	0.84	0.84
44.15	0.27	0.53	5.00	0.00	0.83	0.83
44.20	0.26	0.53	5.00	0.00	0.83	0.83
44.25	0.26	0.53	5.00	0.00	0.82	0.82
44.30	0.26	0.53	5.00	0.00	0.82	0.82
44.35	0.26	0.53	5.00	0.00	0.81	0.81
44.40	0.26	0.53	5.00	0.00	0.81	0.81
44.45	0.26	0.53	5.00	0.00	0.80	0.80
44.50	0.25	0.53	5.00	0.00	0.80	0.80
44.55	0.25	0.53	5.00	0.00	0.79	0.79
44.60	0.25	0.53	5.00	0.00	0.79	0.79
44.65	0.25	0.53	5.00	0.00	0.78	0.78
44.70	0.25	0.52	5.00	0.00	0.78	0.78
44.75	0.25	0.52	5.00	0.00	0.77	0.77
44.80	0.24	0.52	5.00	0.00	0.77	0.77
44.85	0.24	0.52	5.00	0.00	0.76	0.76
44.90	0.24	0.52	5.00	0.00	0.76	0.76
44.95	0.24	0.52	5.00	0.00	0.75	0.75
45.00	0.24	0.52	5.00	0.00	0.75	0.75
45.05	0.24	0.52	5.00	0.00	0.74	0.74
45.10	0.24	0.52	5.00	0.00	0.74	0.74
45.15	0.24	0.52	5.00	0.00	0.73	0.73
45.20	0.24	0.52	5.00	0.00	0.72	0.72
45.25	0.23	0.52	5.00	0.00	0.72	0.72
45.30	0.23	0.52	5.00	0.00	0.71	0.71
45.35	0.23	0.52	5.00	0.00	0.71	0.71
45.40	0.23	0.52	5.00	0.00	0.70	0.70
45.45	0.23	0.52	5.00	0.00	0.70	0.70
45.50	0.23	0.52	5.00	0.00	0.69	0.69
45.55	0.23	0.52	5.00	0.00	0.68	0.68
45.60	0.23	0.52	5.00	0.00	0.68	0.68
45.65	0.23	0.52	5.00	0.00	0.67	0.67
45.70	0.23	0.52	5.00	0.00	0.67	0.67
45.75	0.23	0.52	5.00	0.00	0.66	0.66
45.80	0.23	0.52	5.00	0.00	0.65	0.65
45.85	0.23	0.52	5.00	0.00	0.65	0.65
45.90	0.23	0.52	5.00	0.00	0.64	0.64
45.95	0.23	0.52	5.00	0.00	0.64	0.64
46.00	0.23	0.52	5.00	0.00	0.63	0.63
46.05	0.23	0.52	5.00	0.00	0.62	0.62
46.10	0.23	0.52	5.00	0.00	0.62	0.62
46.15	0.22	0.52	5.00	0.00	0.61	0.61
46.20	0.22	0.52	5.00	0.00	0.60	0.60

46.25	0.22	0.52	5.00	0.00	0.60	0.60
46.30	0.22	0.52	5.00	0.00	0.59	0.59
46.35	0.22	0.52	5.00	0.00	0.58	0.58
46.40	0.22	0.52	5.00	0.00	0.58	0.58
46.45	0.22	0.52	5.00	0.00	0.57	0.57
46.50	0.22	0.52	5.00	0.00	0.56	0.56
46.55	0.22	0.52	5.00	0.00	0.56	0.56
46.60	0.22	0.51	5.00	0.00	0.55	0.55
46.65	0.22	0.51	5.00	0.00	0.54	0.54
46.70	0.22	0.51	5.00	0.00	0.54	0.54
46.75	0.22	0.51	5.00	0.00	0.53	0.53
46.80	0.22	0.51	5.00	0.00	0.52	0.52
46.85	0.22	0.51	5.00	0.00	0.52	0.52
46.90	0.22	0.51	5.00	0.00	0.51	0.51
46.95	0.22	0.51	5.00	0.00	0.50	0.50
47.00	0.22	0.51	5.00	0.00	0.50	0.50
47.05	0.21	0.51	5.00	0.00	0.49	0.49
47.10	0.21	0.51	5.00	0.00	0.48	0.48
47.15	0.21	0.51	5.00	0.00	0.48	0.48
47.20	0.21	0.51	5.00	0.00	0.47	0.47
47.25	0.21	0.51	5.00	0.00	0.46	0.46
47.30	0.21	0.51	5.00	0.00	0.45	0.45
47.35	0.21	0.51	5.00	0.00	0.45	0.45
47.40	0.21	0.51	5.00	0.00	0.44	0.44
47.45	0.21	0.51	5.00	0.00	0.43	0.43
47.50	0.21	0.51	5.00	0.00	0.42	0.42
47.55	0.21	0.51	5.00	0.00	0.42	0.42
47.60	0.21	0.51	5.00	0.00	0.41	0.41
47.65	0.21	0.51	5.00	0.00	0.40	0.40
47.70	0.21	0.51	5.00	0.00	0.39	0.39
47.75	0.21	0.51	5.00	0.00	0.39	0.39
47.80	0.21	0.51	5.00	0.00	0.38	0.38
47.85	0.21	0.51	5.00	0.00	0.37	0.37
47.90	0.21	0.51	5.00	0.00	0.36	0.36
47.95	0.21	0.51	5.00	0.00	0.36	0.36
48.00	0.21	0.51	5.00	0.00	0.35	0.35
48.05	0.20	0.51	5.00	0.00	0.34	0.34
48.10	0.20	0.51	5.00	0.00	0.33	0.33
48.15	0.20	0.51	5.00	0.00	0.32	0.32
48.20	0.20	0.51	5.00	0.00	0.32	0.32
48.25	0.20	0.51	5.00	0.00	0.31	0.31
48.30	0.20	0.51	5.00	0.00	0.30	0.30
48.35	0.20	0.51	5.00	0.00	0.29	0.29
48.40	0.20	0.51	5.00	0.00	0.28	0.28
48.45	0.20	0.51	5.00	0.00	0.28	0.28
48.50	0.20	0.50	5.00	0.00	0.27	0.27
48.55	0.20	0.50	5.00	0.00	0.26	0.26
48.60	0.20	0.50	5.00	0.00	0.25	0.25
48.65	0.20	0.50	5.00	0.00	0.24	0.24
48.70	0.20	0.50	5.00	0.00	0.24	0.24

48.75	0.20	0.50	5.00	0.00	0.23	0.23
48.80	0.20	0.50	5.00	0.00	0.22	0.22
48.85	0.20	0.50	5.00	0.00	0.21	0.21
48.90	0.20	0.50	5.00	0.00	0.20	0.20
48.95	0.20	0.50	5.00	0.00	0.19	0.19
49.00	0.20	0.50	5.00	0.00	0.18	0.18
49.05	0.20	0.50	5.00	0.00	0.18	0.18
49.10	0.19	0.50	5.00	0.00	0.17	0.17
49.15	0.19	0.50	5.00	0.00	0.16	0.16
49.20	0.19	0.50	5.00	0.00	0.15	0.15
49.25	0.19	0.50	5.00	0.00	0.14	0.14
49.30	0.19	0.50	5.00	0.00	0.13	0.13
49.35	0.19	0.50	5.00	0.00	0.12	0.12
49.40	0.19	0.50	5.00	0.00	0.11	0.11
49.45	0.19	0.50	5.00	0.00	0.10	0.10
49.50	0.19	0.50	5.00	0.00	0.09	0.09
49.55	0.19	0.50	5.00	0.00	0.09	0.09
49.60	0.19	0.50	5.00	0.00	0.08	0.08
49.65	0.19	0.50	5.00	0.00	0.07	0.07
49.70	0.19	0.50	5.00	0.00	0.06	0.06
49.75	0.19	0.50	5.00	0.00	0.05	0.05
49.80	0.19	0.50	5.00	0.00	0.04	0.04
49.85	0.19	0.50	5.00	0.00	0.03	0.03
49.90	0.19	0.50	5.00	0.00	0.02	0.02
49.95	0.19	0.50	5.00	0.00	0.01	0.01
50.00	0.19	0.50	5.00	0.00	0.00	0.00

* F.S.<1, Liquefaction Potential Zone
(F.S. is limited to 5, CRR is limited to 2, CSR is limited to 2)

Units: Unit: qc, fs, Stress or Pressure = atm (1.0581tsf); Unit Weight = pcf; Depth = ft; Settlement = in.

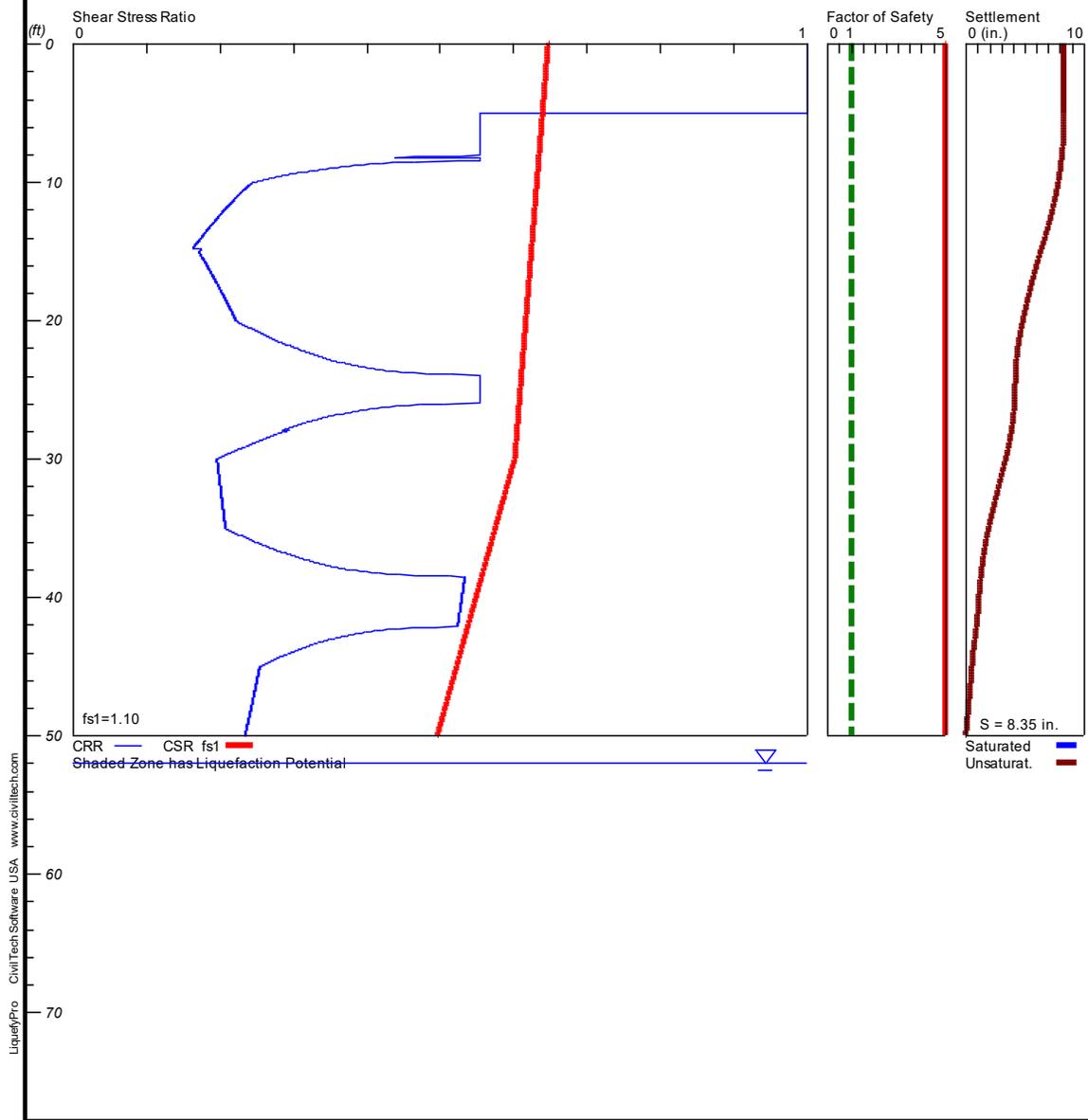
1 atm (atmosphere) = 1 tsf (ton/ft²)
CRRm Cyclic resistance ratio from soils
CSRsf Cyclic stress ratio induced by a given earthquake (with user
request factor of safety)
F.S. Factor of Safety against liquefaction, F.S.=CRRm/CSRsf
S_sat Settlement from saturated sands
S_dry Settlement from Unsaturated Sands
S_all Total Settlement from Saturated and Unsaturated Sands
NoLiq No-Liquefy Soils

DRY SAND SETTLEMENT

644-24039

Hole No.=BH-6 Water Depth=52 ft Surface Elev.=1580

Magnitude=7.2
Acceleration=0.906g



LIQUEFACTION ANALYSIS SUMMARY

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Input File Name: E:\Liquefy5\644-24039 Dosner BH-6.liq
Title: 644-24039
Subtitle: DOSNER ORGANIC FARMS

Surface Elev.=1580
Hole No.=BH-6
Depth of Hole= 50.00 ft
Water Table during Earthquake= 52.00 ft
Water Table during In-Situ Testing= 52.00 ft
Max. Acceleration= 0.91 g
Earthquake Magnitude= 7.20

Input Data:

Surface Elev.=1580
Hole No.=BH-6
Depth of Hole=50.00 ft
Water Table during Earthquake= 52.00 ft
Water Table during In-Situ Testing= 52.00 ft
Max. Acceleration=0.91 g
Earthquake Magnitude=7.20
No-Liquefiable Soils: CL, OL are Non-Liq. Soil

1. SPT or BPT Calculation.
 2. Settlement Analysis Method: Ishihara / Yoshimine
 3. Fines Correction for Liquefaction: Modify Stark/Olson
 4. Fine Correction for Settlement: During Liquefaction*
 5. Settlement Calculation in: All zones*
 6. Hammer Energy Ratio, Ce = 1.25
 7. Borehole Diameter, Cb= 1
 8. Sampling Method, Cs= 1
 9. User request factor of safety (apply to CSR) , User= 1.1
Plot one CSR curve (fs1=User)
 10. Use Curve Smoothing: Yes*
- * Recommended Options

In-Situ Test Data:
Depth SPT gamma Fines

ft		pcf	%
0.00	9.33	120.10	NoLiq
2.00	9.33	120.10	NoLiq
5.00	17.00	120.10	NoLiq
10.00	10.00	104.80	29.60
15.00	7.00	104.80	25.40
20.00	11.33	100.80	27.10
25.00	10.00	100.80	NoLiq
30.00	14.00	116.60	13.50
35.00	16.00	116.60	16.50
40.00	14.66	114.60	NoLiq
45.00	18.00	114.60	37.40
50.00	24.00	116.30	16.80

Output Results:

Settlement of Saturated Sands=0.00 in.
 Settlement of Unsaturated Sands=8.35 in.
 Total Settlement of Saturated and Unsaturated Sands=8.35 in.
 Differential Settlement=4.174 to 5.510 in.

Depth ft	CRRm	CSRfs	F.S.	S_sat. in.	S_dry in.	S_all in.
0.00	2.00	0.65	5.00	0.00	8.35	8.35
0.05	2.00	0.65	5.00	0.00	8.35	8.35
0.10	2.00	0.65	5.00	0.00	8.35	8.35
0.15	2.00	0.65	5.00	0.00	8.35	8.35
0.20	2.00	0.65	5.00	0.00	8.35	8.35
0.25	2.00	0.65	5.00	0.00	8.35	8.35
0.30	2.00	0.65	5.00	0.00	8.35	8.35
0.35	2.00	0.65	5.00	0.00	8.35	8.35
0.40	2.00	0.65	5.00	0.00	8.35	8.35
0.45	2.00	0.65	5.00	0.00	8.35	8.35
0.50	2.00	0.65	5.00	0.00	8.35	8.35
0.55	2.00	0.65	5.00	0.00	8.35	8.35
0.60	2.00	0.65	5.00	0.00	8.35	8.35
0.65	2.00	0.65	5.00	0.00	8.35	8.35
0.70	2.00	0.65	5.00	0.00	8.35	8.35
0.75	2.00	0.65	5.00	0.00	8.35	8.35
0.80	2.00	0.65	5.00	0.00	8.35	8.35
0.85	2.00	0.65	5.00	0.00	8.35	8.35
0.90	2.00	0.65	5.00	0.00	8.35	8.35
0.95	2.00	0.65	5.00	0.00	8.35	8.35
1.00	2.00	0.65	5.00	0.00	8.35	8.35
1.05	2.00	0.65	5.00	0.00	8.35	8.35
1.10	2.00	0.65	5.00	0.00	8.35	8.35
1.15	2.00	0.65	5.00	0.00	8.35	8.35
1.20	2.00	0.65	5.00	0.00	8.35	8.35

1.25	2.00	0.65	5.00	0.00	8.35	8.35
1.30	2.00	0.65	5.00	0.00	8.35	8.35
1.35	2.00	0.65	5.00	0.00	8.35	8.35
1.40	2.00	0.65	5.00	0.00	8.35	8.35
1.45	2.00	0.65	5.00	0.00	8.35	8.35
1.50	2.00	0.65	5.00	0.00	8.35	8.35
1.55	2.00	0.65	5.00	0.00	8.35	8.35
1.60	2.00	0.65	5.00	0.00	8.35	8.35
1.65	2.00	0.65	5.00	0.00	8.35	8.35
1.70	2.00	0.65	5.00	0.00	8.35	8.35
1.75	2.00	0.65	5.00	0.00	8.35	8.35
1.80	2.00	0.65	5.00	0.00	8.35	8.35
1.85	2.00	0.64	5.00	0.00	8.35	8.35
1.90	2.00	0.64	5.00	0.00	8.35	8.35
1.95	2.00	0.64	5.00	0.00	8.35	8.35
2.00	2.00	0.64	5.00	0.00	8.35	8.35
2.05	2.00	0.64	5.00	0.00	8.35	8.35
2.10	2.00	0.64	5.00	0.00	8.35	8.35
2.15	2.00	0.64	5.00	0.00	8.35	8.35
2.20	2.00	0.64	5.00	0.00	8.35	8.35
2.25	2.00	0.64	5.00	0.00	8.35	8.35
2.30	2.00	0.64	5.00	0.00	8.35	8.35
2.35	2.00	0.64	5.00	0.00	8.35	8.35
2.40	2.00	0.64	5.00	0.00	8.35	8.35
2.45	2.00	0.64	5.00	0.00	8.35	8.35
2.50	2.00	0.64	5.00	0.00	8.35	8.35
2.55	2.00	0.64	5.00	0.00	8.35	8.35
2.60	2.00	0.64	5.00	0.00	8.35	8.35
2.65	2.00	0.64	5.00	0.00	8.35	8.35
2.70	2.00	0.64	5.00	0.00	8.35	8.35
2.75	2.00	0.64	5.00	0.00	8.35	8.35
2.80	2.00	0.64	5.00	0.00	8.35	8.35
2.85	2.00	0.64	5.00	0.00	8.35	8.35
2.90	2.00	0.64	5.00	0.00	8.35	8.35
2.95	2.00	0.64	5.00	0.00	8.35	8.35
3.00	2.00	0.64	5.00	0.00	8.35	8.35
3.05	2.00	0.64	5.00	0.00	8.35	8.35
3.10	2.00	0.64	5.00	0.00	8.35	8.35
3.15	2.00	0.64	5.00	0.00	8.35	8.35
3.20	2.00	0.64	5.00	0.00	8.35	8.35
3.25	2.00	0.64	5.00	0.00	8.35	8.35
3.30	2.00	0.64	5.00	0.00	8.35	8.35
3.35	2.00	0.64	5.00	0.00	8.35	8.35
3.40	2.00	0.64	5.00	0.00	8.35	8.35
3.45	2.00	0.64	5.00	0.00	8.35	8.35
3.50	2.00	0.64	5.00	0.00	8.35	8.35
3.55	2.00	0.64	5.00	0.00	8.35	8.35
3.60	2.00	0.64	5.00	0.00	8.35	8.35
3.65	2.00	0.64	5.00	0.00	8.35	8.35
3.70	2.00	0.64	5.00	0.00	8.35	8.35

3.75	2.00	0.64	5.00	0.00	8.35	8.35
3.80	2.00	0.64	5.00	0.00	8.35	8.35
3.85	2.00	0.64	5.00	0.00	8.35	8.35
3.90	2.00	0.64	5.00	0.00	8.35	8.35
3.95	2.00	0.64	5.00	0.00	8.35	8.35
4.00	2.00	0.64	5.00	0.00	8.35	8.35
4.05	2.00	0.64	5.00	0.00	8.35	8.35
4.10	2.00	0.64	5.00	0.00	8.35	8.35
4.15	2.00	0.64	5.00	0.00	8.35	8.35
4.20	2.00	0.64	5.00	0.00	8.35	8.35
4.25	2.00	0.64	5.00	0.00	8.35	8.35
4.30	2.00	0.64	5.00	0.00	8.35	8.35
4.35	2.00	0.64	5.00	0.00	8.35	8.35
4.40	2.00	0.64	5.00	0.00	8.35	8.35
4.45	2.00	0.64	5.00	0.00	8.35	8.35
4.50	2.00	0.64	5.00	0.00	8.35	8.35
4.55	2.00	0.64	5.00	0.00	8.35	8.35
4.60	2.00	0.64	5.00	0.00	8.35	8.35
4.65	2.00	0.64	5.00	0.00	8.35	8.35
4.70	2.00	0.64	5.00	0.00	8.35	8.35
4.75	2.00	0.64	5.00	0.00	8.35	8.35
4.80	2.00	0.64	5.00	0.00	8.35	8.35
4.85	2.00	0.64	5.00	0.00	8.35	8.35
4.90	2.00	0.64	5.00	0.00	8.35	8.35
4.95	2.00	0.64	5.00	0.00	8.35	8.35
5.00	0.55	0.64	5.00	0.00	8.35	8.35
5.05	0.55	0.64	5.00	0.00	8.35	8.35
5.10	0.55	0.64	5.00	0.00	8.35	8.35
5.15	0.55	0.64	5.00	0.00	8.35	8.35
5.20	0.55	0.64	5.00	0.00	8.35	8.35
5.25	0.55	0.64	5.00	0.00	8.35	8.35
5.30	0.55	0.64	5.00	0.00	8.35	8.35
5.35	0.55	0.64	5.00	0.00	8.35	8.35
5.40	0.55	0.64	5.00	0.00	8.35	8.35
5.45	0.55	0.64	5.00	0.00	8.35	8.35
5.50	0.55	0.64	5.00	0.00	8.35	8.35
5.55	0.55	0.64	5.00	0.00	8.34	8.34
5.60	0.55	0.64	5.00	0.00	8.34	8.34
5.65	0.55	0.64	5.00	0.00	8.34	8.34
5.70	0.55	0.64	5.00	0.00	8.34	8.34
5.75	0.55	0.64	5.00	0.00	8.34	8.34
5.80	0.55	0.64	5.00	0.00	8.34	8.34
5.85	0.55	0.64	5.00	0.00	8.34	8.34
5.90	0.55	0.64	5.00	0.00	8.34	8.34
5.95	0.55	0.64	5.00	0.00	8.34	8.34
6.00	0.55	0.64	5.00	0.00	8.34	8.34
6.05	0.55	0.64	5.00	0.00	8.34	8.34
6.10	0.55	0.64	5.00	0.00	8.34	8.34
6.15	0.55	0.64	5.00	0.00	8.34	8.34
6.20	0.55	0.64	5.00	0.00	8.33	8.33

6.25	0.55	0.64	5.00	0.00	8.33	8.33
6.30	0.55	0.64	5.00	0.00	8.33	8.33
6.35	0.55	0.64	5.00	0.00	8.33	8.33
6.40	0.55	0.64	5.00	0.00	8.33	8.33
6.45	0.55	0.64	5.00	0.00	8.33	8.33
6.50	0.55	0.64	5.00	0.00	8.32	8.32
6.55	0.55	0.64	5.00	0.00	8.32	8.32
6.60	0.55	0.64	5.00	0.00	8.32	8.32
6.65	0.55	0.64	5.00	0.00	8.32	8.32
6.70	0.55	0.64	5.00	0.00	8.31	8.31
6.75	0.55	0.64	5.00	0.00	8.31	8.31
6.80	0.55	0.64	5.00	0.00	8.31	8.31
6.85	0.55	0.64	5.00	0.00	8.30	8.30
6.90	0.55	0.64	5.00	0.00	8.30	8.30
6.95	0.55	0.64	5.00	0.00	8.29	8.29
7.00	0.55	0.64	5.00	0.00	8.29	8.29
7.05	0.55	0.64	5.00	0.00	8.29	8.29
7.10	0.55	0.64	5.00	0.00	8.28	8.28
7.15	0.55	0.64	5.00	0.00	8.28	8.28
7.20	0.55	0.64	5.00	0.00	8.27	8.27
7.25	0.55	0.64	5.00	0.00	8.27	8.27
7.30	0.55	0.64	5.00	0.00	8.26	8.26
7.35	0.55	0.64	5.00	0.00	8.26	8.26
7.40	0.55	0.64	5.00	0.00	8.25	8.25
7.45	0.55	0.64	5.00	0.00	8.25	8.25
7.50	0.55	0.64	5.00	0.00	8.24	8.24
7.55	0.55	0.64	5.00	0.00	8.24	8.24
7.60	0.55	0.64	5.00	0.00	8.23	8.23
7.65	0.55	0.64	5.00	0.00	8.22	8.22
7.70	0.55	0.64	5.00	0.00	8.22	8.22
7.75	0.55	0.64	5.00	0.00	8.21	8.21
7.80	0.55	0.64	5.00	0.00	8.21	8.21
7.85	0.55	0.64	5.00	0.00	8.20	8.20
7.90	0.55	0.64	5.00	0.00	8.19	8.19
7.95	0.55	0.64	5.00	0.00	8.19	8.19
8.00	0.55	0.64	5.00	0.00	8.18	8.18
8.05	0.55	0.64	5.00	0.00	8.18	8.18
8.10	0.52	0.64	5.00	0.00	8.17	8.17
8.15	0.47	0.64	5.00	0.00	8.16	8.16
8.20	0.44	0.64	5.00	0.00	8.16	8.16
8.25	0.55	0.64	5.00	0.00	8.15	8.15
8.30	0.55	0.64	5.00	0.00	8.14	8.14
8.35	0.55	0.64	5.00	0.00	8.14	8.14
8.40	0.55	0.64	5.00	0.00	8.13	8.13
8.45	0.53	0.64	5.00	0.00	8.12	8.12
8.50	0.46	0.63	5.00	0.00	8.12	8.12
8.55	0.44	0.63	5.00	0.00	8.11	8.11
8.60	0.42	0.63	5.00	0.00	8.10	8.10
8.65	0.41	0.63	5.00	0.00	8.10	8.10
8.70	0.39	0.63	5.00	0.00	8.09	8.09

8.75	0.38	0.63	5.00	0.00	8.08	8.08
8.80	0.37	0.63	5.00	0.00	8.07	8.07
8.85	0.37	0.63	5.00	0.00	8.07	8.07
8.90	0.36	0.63	5.00	0.00	8.06	8.06
8.95	0.35	0.63	5.00	0.00	8.05	8.05
9.00	0.34	0.63	5.00	0.00	8.04	8.04
9.05	0.34	0.63	5.00	0.00	8.03	8.03
9.10	0.33	0.63	5.00	0.00	8.03	8.03
9.15	0.32	0.63	5.00	0.00	8.02	8.02
9.20	0.32	0.63	5.00	0.00	8.01	8.01
9.25	0.31	0.63	5.00	0.00	8.00	8.00
9.30	0.31	0.63	5.00	0.00	7.99	7.99
9.35	0.30	0.63	5.00	0.00	7.98	7.98
9.40	0.30	0.63	5.00	0.00	7.97	7.97
9.45	0.29	0.63	5.00	0.00	7.97	7.97
9.50	0.29	0.63	5.00	0.00	7.96	7.96
9.55	0.28	0.63	5.00	0.00	7.95	7.95
9.60	0.28	0.63	5.00	0.00	7.94	7.94
9.65	0.27	0.63	5.00	0.00	7.93	7.93
9.70	0.27	0.63	5.00	0.00	7.92	7.92
9.75	0.26	0.63	5.00	0.00	7.91	7.91
9.80	0.26	0.63	5.00	0.00	7.90	7.90
9.85	0.25	0.63	5.00	0.00	7.89	7.89
9.90	0.25	0.63	5.00	0.00	7.88	7.88
9.95	0.25	0.63	5.00	0.00	7.87	7.87
10.00	0.24	0.63	5.00	0.00	7.87	7.87
10.05	0.24	0.63	5.00	0.00	7.86	7.86
10.10	0.24	0.63	5.00	0.00	7.85	7.85
10.15	0.24	0.63	5.00	0.00	7.84	7.84
10.20	0.24	0.63	5.00	0.00	7.83	7.83
10.25	0.24	0.63	5.00	0.00	7.82	7.82
10.30	0.24	0.63	5.00	0.00	7.81	7.81
10.35	0.24	0.63	5.00	0.00	7.80	7.80
10.40	0.23	0.63	5.00	0.00	7.79	7.79
10.45	0.23	0.63	5.00	0.00	7.78	7.78
10.50	0.23	0.63	5.00	0.00	7.77	7.77
10.55	0.23	0.63	5.00	0.00	7.75	7.75
10.60	0.23	0.63	5.00	0.00	7.74	7.74
10.65	0.23	0.63	5.00	0.00	7.73	7.73
10.70	0.23	0.63	5.00	0.00	7.72	7.72
10.75	0.23	0.63	5.00	0.00	7.71	7.71
10.80	0.23	0.63	5.00	0.00	7.69	7.69
10.85	0.23	0.63	5.00	0.00	7.68	7.68
10.90	0.22	0.63	5.00	0.00	7.67	7.67
10.95	0.22	0.63	5.00	0.00	7.65	7.65
11.00	0.22	0.63	5.00	0.00	7.64	7.64
11.05	0.22	0.63	5.00	0.00	7.63	7.63
11.10	0.22	0.63	5.00	0.00	7.62	7.62
11.15	0.22	0.63	5.00	0.00	7.60	7.60
11.20	0.22	0.63	5.00	0.00	7.59	7.59

11.25	0.22	0.63	5.00	0.00	7.58	7.58
11.30	0.22	0.63	5.00	0.00	7.56	7.56
11.35	0.22	0.63	5.00	0.00	7.55	7.55
11.40	0.22	0.63	5.00	0.00	7.54	7.54
11.45	0.21	0.63	5.00	0.00	7.52	7.52
11.50	0.21	0.63	5.00	0.00	7.51	7.51
11.55	0.21	0.63	5.00	0.00	7.50	7.50
11.60	0.21	0.63	5.00	0.00	7.48	7.48
11.65	0.21	0.63	5.00	0.00	7.47	7.47
11.70	0.21	0.63	5.00	0.00	7.46	7.46
11.75	0.21	0.63	5.00	0.00	7.44	7.44
11.80	0.21	0.63	5.00	0.00	7.43	7.43
11.85	0.21	0.63	5.00	0.00	7.42	7.42
11.90	0.21	0.63	5.00	0.00	7.40	7.40
11.95	0.21	0.63	5.00	0.00	7.39	7.39
12.00	0.20	0.63	5.00	0.00	7.37	7.37
12.05	0.20	0.63	5.00	0.00	7.36	7.36
12.10	0.20	0.63	5.00	0.00	7.34	7.34
12.15	0.20	0.63	5.00	0.00	7.33	7.33
12.20	0.20	0.63	5.00	0.00	7.32	7.32
12.25	0.20	0.63	5.00	0.00	7.30	7.30
12.30	0.20	0.63	5.00	0.00	7.29	7.29
12.35	0.20	0.63	5.00	0.00	7.27	7.27
12.40	0.20	0.63	5.00	0.00	7.26	7.26
12.45	0.20	0.63	5.00	0.00	7.24	7.24
12.50	0.20	0.63	5.00	0.00	7.23	7.23
12.55	0.20	0.63	5.00	0.00	7.21	7.21
12.60	0.19	0.63	5.00	0.00	7.20	7.20
12.65	0.19	0.63	5.00	0.00	7.18	7.18
12.70	0.19	0.63	5.00	0.00	7.17	7.17
12.75	0.19	0.63	5.00	0.00	7.15	7.15
12.80	0.19	0.63	5.00	0.00	7.14	7.14
12.85	0.19	0.63	5.00	0.00	7.12	7.12
12.90	0.19	0.63	5.00	0.00	7.11	7.11
12.95	0.19	0.63	5.00	0.00	7.09	7.09
13.00	0.19	0.63	5.00	0.00	7.07	7.07
13.05	0.19	0.63	5.00	0.00	7.06	7.06
13.10	0.19	0.63	5.00	0.00	7.04	7.04
13.15	0.19	0.63	5.00	0.00	7.03	7.03
13.20	0.19	0.63	5.00	0.00	7.01	7.01
13.25	0.18	0.63	5.00	0.00	6.99	6.99
13.30	0.18	0.63	5.00	0.00	6.98	6.98
13.35	0.18	0.63	5.00	0.00	6.96	6.96
13.40	0.18	0.63	5.00	0.00	6.94	6.94
13.45	0.18	0.63	5.00	0.00	6.93	6.93
13.50	0.18	0.63	5.00	0.00	6.91	6.91
13.55	0.18	0.63	5.00	0.00	6.89	6.89
13.60	0.18	0.63	5.00	0.00	6.88	6.88
13.65	0.18	0.63	5.00	0.00	6.86	6.86
13.70	0.18	0.63	5.00	0.00	6.84	6.84

13.75	0.18	0.63	5.00	0.00	6.83	6.83
13.80	0.18	0.63	5.00	0.00	6.81	6.81
13.85	0.18	0.63	5.00	0.00	6.79	6.79
13.90	0.17	0.63	5.00	0.00	6.77	6.77
13.95	0.17	0.63	5.00	0.00	6.76	6.76
14.00	0.17	0.63	5.00	0.00	6.74	6.74
14.05	0.17	0.63	5.00	0.00	6.72	6.72
14.10	0.17	0.63	5.00	0.00	6.70	6.70
14.15	0.17	0.63	5.00	0.00	6.69	6.69
14.20	0.17	0.63	5.00	0.00	6.67	6.67
14.25	0.17	0.63	5.00	0.00	6.65	6.65
14.30	0.17	0.63	5.00	0.00	6.63	6.63
14.35	0.17	0.63	5.00	0.00	6.61	6.61
14.40	0.17	0.63	5.00	0.00	6.59	6.59
14.45	0.17	0.63	5.00	0.00	6.58	6.58
14.50	0.17	0.63	5.00	0.00	6.56	6.56
14.55	0.17	0.63	5.00	0.00	6.54	6.54
14.60	0.16	0.63	5.00	0.00	6.52	6.52
14.65	0.16	0.63	5.00	0.00	6.50	6.50
14.70	0.16	0.63	5.00	0.00	6.48	6.48
14.75	0.16	0.63	5.00	0.00	6.46	6.46
14.80	0.17	0.63	5.00	0.00	6.44	6.44
14.85	0.17	0.63	5.00	0.00	6.43	6.43
14.90	0.17	0.63	5.00	0.00	6.41	6.41
14.95	0.17	0.63	5.00	0.00	6.39	6.39
15.00	0.17	0.63	5.00	0.00	6.37	6.37
15.05	0.17	0.63	5.00	0.00	6.35	6.35
15.10	0.17	0.62	5.00	0.00	6.34	6.34
15.15	0.17	0.62	5.00	0.00	6.32	6.32
15.20	0.17	0.62	5.00	0.00	6.30	6.30
15.25	0.17	0.62	5.00	0.00	6.28	6.28
15.30	0.17	0.62	5.00	0.00	6.26	6.26
15.35	0.17	0.62	5.00	0.00	6.25	6.25
15.40	0.18	0.62	5.00	0.00	6.23	6.23
15.45	0.18	0.62	5.00	0.00	6.21	6.21
15.50	0.18	0.62	5.00	0.00	6.19	6.19
15.55	0.18	0.62	5.00	0.00	6.18	6.18
15.60	0.18	0.62	5.00	0.00	6.16	6.16
15.65	0.18	0.62	5.00	0.00	6.14	6.14
15.70	0.18	0.62	5.00	0.00	6.13	6.13
15.75	0.18	0.62	5.00	0.00	6.11	6.11
15.80	0.18	0.62	5.00	0.00	6.09	6.09
15.85	0.18	0.62	5.00	0.00	6.07	6.07
15.90	0.18	0.62	5.00	0.00	6.06	6.06
15.95	0.18	0.62	5.00	0.00	6.04	6.04
16.00	0.18	0.62	5.00	0.00	6.02	6.02
16.05	0.18	0.62	5.00	0.00	6.01	6.01
16.10	0.18	0.62	5.00	0.00	5.99	5.99
16.15	0.18	0.62	5.00	0.00	5.97	5.97
16.20	0.18	0.62	5.00	0.00	5.96	5.96

16.25	0.18	0.62	5.00	0.00	5.94	5.94
16.30	0.18	0.62	5.00	0.00	5.92	5.92
16.35	0.19	0.62	5.00	0.00	5.91	5.91
16.40	0.19	0.62	5.00	0.00	5.89	5.89
16.45	0.19	0.62	5.00	0.00	5.88	5.88
16.50	0.19	0.62	5.00	0.00	5.86	5.86
16.55	0.19	0.62	5.00	0.00	5.84	5.84
16.60	0.19	0.62	5.00	0.00	5.83	5.83
16.65	0.19	0.62	5.00	0.00	5.81	5.81
16.70	0.19	0.62	5.00	0.00	5.80	5.80
16.75	0.19	0.62	5.00	0.00	5.78	5.78
16.80	0.19	0.62	5.00	0.00	5.76	5.76
16.85	0.19	0.62	5.00	0.00	5.75	5.75
16.90	0.19	0.62	5.00	0.00	5.73	5.73
16.95	0.19	0.62	5.00	0.00	5.72	5.72
17.00	0.19	0.62	5.00	0.00	5.70	5.70
17.05	0.19	0.62	5.00	0.00	5.69	5.69
17.10	0.19	0.62	5.00	0.00	5.67	5.67
17.15	0.19	0.62	5.00	0.00	5.66	5.66
17.20	0.19	0.62	5.00	0.00	5.64	5.64
17.25	0.19	0.62	5.00	0.00	5.62	5.62
17.30	0.20	0.62	5.00	0.00	5.61	5.61
17.35	0.20	0.62	5.00	0.00	5.59	5.59
17.40	0.20	0.62	5.00	0.00	5.58	5.58
17.45	0.20	0.62	5.00	0.00	5.56	5.56
17.50	0.20	0.62	5.00	0.00	5.55	5.55
17.55	0.20	0.62	5.00	0.00	5.53	5.53
17.60	0.20	0.62	5.00	0.00	5.52	5.52
17.65	0.20	0.62	5.00	0.00	5.50	5.50
17.70	0.20	0.62	5.00	0.00	5.49	5.49
17.75	0.20	0.62	5.00	0.00	5.47	5.47
17.80	0.20	0.62	5.00	0.00	5.46	5.46
17.85	0.20	0.62	5.00	0.00	5.45	5.45
17.90	0.20	0.62	5.00	0.00	5.43	5.43
17.95	0.20	0.62	5.00	0.00	5.42	5.42
18.00	0.20	0.62	5.00	0.00	5.40	5.40
18.05	0.20	0.62	5.00	0.00	5.39	5.39
18.10	0.20	0.62	5.00	0.00	5.37	5.37
18.15	0.20	0.62	5.00	0.00	5.36	5.36
18.20	0.20	0.62	5.00	0.00	5.34	5.34
18.25	0.20	0.62	5.00	0.00	5.33	5.33
18.30	0.21	0.62	5.00	0.00	5.32	5.32
18.35	0.21	0.62	5.00	0.00	5.30	5.30
18.40	0.21	0.62	5.00	0.00	5.29	5.29
18.45	0.21	0.62	5.00	0.00	5.27	5.27
18.50	0.21	0.62	5.00	0.00	5.26	5.26
18.55	0.21	0.62	5.00	0.00	5.24	5.24
18.60	0.21	0.62	5.00	0.00	5.23	5.23
18.65	0.21	0.62	5.00	0.00	5.22	5.22
18.70	0.21	0.62	5.00	0.00	5.20	5.20

18.75	0.21	0.62	5.00	0.00	5.19	5.19
18.80	0.21	0.62	5.00	0.00	5.18	5.18
18.85	0.21	0.62	5.00	0.00	5.16	5.16
18.90	0.21	0.62	5.00	0.00	5.15	5.15
18.95	0.21	0.62	5.00	0.00	5.13	5.13
19.00	0.21	0.62	5.00	0.00	5.12	5.12
19.05	0.21	0.62	5.00	0.00	5.11	5.11
19.10	0.21	0.62	5.00	0.00	5.09	5.09
19.15	0.21	0.62	5.00	0.00	5.08	5.08
19.20	0.21	0.62	5.00	0.00	5.07	5.07
19.25	0.21	0.62	5.00	0.00	5.05	5.05
19.30	0.21	0.62	5.00	0.00	5.04	5.04
19.35	0.22	0.62	5.00	0.00	5.03	5.03
19.40	0.22	0.62	5.00	0.00	5.01	5.01
19.45	0.22	0.62	5.00	0.00	5.00	5.00
19.50	0.22	0.62	5.00	0.00	4.99	4.99
19.55	0.22	0.62	5.00	0.00	4.97	4.97
19.60	0.22	0.62	5.00	0.00	4.96	4.96
19.65	0.22	0.62	5.00	0.00	4.95	4.95
19.70	0.22	0.62	5.00	0.00	4.93	4.93
19.75	0.22	0.62	5.00	0.00	4.92	4.92
19.80	0.22	0.62	5.00	0.00	4.91	4.91
19.85	0.22	0.62	5.00	0.00	4.89	4.89
19.90	0.22	0.62	5.00	0.00	4.88	4.88
19.95	0.22	0.62	5.00	0.00	4.87	4.87
20.00	0.22	0.62	5.00	0.00	4.86	4.86
20.05	0.22	0.62	5.00	0.00	4.84	4.84
20.10	0.22	0.62	5.00	0.00	4.83	4.83
20.15	0.23	0.62	5.00	0.00	4.82	4.82
20.20	0.23	0.62	5.00	0.00	4.80	4.80
20.25	0.23	0.62	5.00	0.00	4.79	4.79
20.30	0.23	0.62	5.00	0.00	4.78	4.78
20.35	0.23	0.62	5.00	0.00	4.77	4.77
20.40	0.24	0.62	5.00	0.00	4.76	4.76
20.45	0.24	0.62	5.00	0.00	4.74	4.74
20.50	0.24	0.62	5.00	0.00	4.73	4.73
20.55	0.24	0.62	5.00	0.00	4.72	4.72
20.60	0.24	0.62	5.00	0.00	4.71	4.71
20.65	0.25	0.62	5.00	0.00	4.70	4.70
20.70	0.25	0.62	5.00	0.00	4.69	4.69
20.75	0.25	0.62	5.00	0.00	4.68	4.68
20.80	0.25	0.62	5.00	0.00	4.66	4.66
20.85	0.25	0.62	5.00	0.00	4.65	4.65
20.90	0.25	0.62	5.00	0.00	4.64	4.64
20.95	0.26	0.62	5.00	0.00	4.63	4.63
21.00	0.26	0.62	5.00	0.00	4.62	4.62
21.05	0.26	0.62	5.00	0.00	4.61	4.61
21.10	0.26	0.62	5.00	0.00	4.60	4.60
21.15	0.26	0.62	5.00	0.00	4.59	4.59
21.20	0.27	0.62	5.00	0.00	4.58	4.58

21.25	0.27	0.62	5.00	0.00	4.57	4.57
21.30	0.27	0.62	5.00	0.00	4.56	4.56
21.35	0.27	0.62	5.00	0.00	4.55	4.55
21.40	0.28	0.62	5.00	0.00	4.54	4.54
21.45	0.28	0.62	5.00	0.00	4.53	4.53
21.50	0.28	0.62	5.00	0.00	4.52	4.52
21.55	0.28	0.62	5.00	0.00	4.51	4.51
21.60	0.28	0.62	5.00	0.00	4.50	4.50
21.65	0.29	0.62	5.00	0.00	4.49	4.49
21.70	0.29	0.62	5.00	0.00	4.48	4.48
21.75	0.29	0.61	5.00	0.00	4.47	4.47
21.80	0.29	0.61	5.00	0.00	4.46	4.46
21.85	0.30	0.61	5.00	0.00	4.45	4.45
21.90	0.30	0.61	5.00	0.00	4.44	4.44
21.95	0.30	0.61	5.00	0.00	4.43	4.43
22.00	0.30	0.61	5.00	0.00	4.43	4.43
22.05	0.31	0.61	5.00	0.00	4.42	4.42
22.10	0.31	0.61	5.00	0.00	4.41	4.41
22.15	0.31	0.61	5.00	0.00	4.40	4.40
22.20	0.31	0.61	5.00	0.00	4.39	4.39
22.25	0.32	0.61	5.00	0.00	4.38	4.38
22.30	0.32	0.61	5.00	0.00	4.37	4.37
22.35	0.32	0.61	5.00	0.00	4.36	4.36
22.40	0.33	0.61	5.00	0.00	4.36	4.36
22.45	0.33	0.61	5.00	0.00	4.35	4.35
22.50	0.33	0.61	5.00	0.00	4.35	4.35
22.55	0.33	0.61	5.00	0.00	4.34	4.34
22.60	0.34	0.61	5.00	0.00	4.34	4.34
22.65	0.34	0.61	5.00	0.00	4.33	4.33
22.70	0.34	0.61	5.00	0.00	4.33	4.33
22.75	0.35	0.61	5.00	0.00	4.33	4.33
22.80	0.35	0.61	5.00	0.00	4.32	4.32
22.85	0.35	0.61	5.00	0.00	4.32	4.32
22.90	0.36	0.61	5.00	0.00	4.31	4.31
22.95	0.36	0.61	5.00	0.00	4.31	4.31
23.00	0.37	0.61	5.00	0.00	4.31	4.31
23.05	0.37	0.61	5.00	0.00	4.30	4.30
23.10	0.37	0.61	5.00	0.00	4.30	4.30
23.15	0.38	0.61	5.00	0.00	4.29	4.29
23.20	0.38	0.61	5.00	0.00	4.29	4.29
23.25	0.39	0.61	5.00	0.00	4.29	4.29
23.30	0.39	0.61	5.00	0.00	4.28	4.28
23.35	0.40	0.61	5.00	0.00	4.28	4.28
23.40	0.40	0.61	5.00	0.00	4.28	4.28
23.45	0.41	0.61	5.00	0.00	4.27	4.27
23.50	0.41	0.61	5.00	0.00	4.27	4.27
23.55	0.42	0.61	5.00	0.00	4.27	4.27
23.60	0.43	0.61	5.00	0.00	4.26	4.26
23.65	0.44	0.61	5.00	0.00	4.26	4.26
23.70	0.45	0.61	5.00	0.00	4.26	4.26

23.75	0.46	0.61	5.00	0.00	4.25	4.25
23.80	0.48	0.61	5.00	0.00	4.25	4.25
23.85	0.52	0.61	5.00	0.00	4.25	4.25
23.90	0.55	0.61	5.00	0.00	4.24	4.24
23.95	0.55	0.61	5.00	0.00	4.24	4.24
24.00	0.55	0.61	5.00	0.00	4.24	4.24
24.05	0.55	0.61	5.00	0.00	4.23	4.23
24.10	0.55	0.61	5.00	0.00	4.23	4.23
24.15	0.55	0.61	5.00	0.00	4.23	4.23
24.20	0.55	0.61	5.00	0.00	4.22	4.22
24.25	0.55	0.61	5.00	0.00	4.22	4.22
24.30	0.55	0.61	5.00	0.00	4.22	4.22
24.35	0.55	0.61	5.00	0.00	4.22	4.22
24.40	0.55	0.61	5.00	0.00	4.21	4.21
24.45	0.55	0.61	5.00	0.00	4.21	4.21
24.50	0.55	0.61	5.00	0.00	4.21	4.21
24.55	0.55	0.61	5.00	0.00	4.21	4.21
24.60	0.55	0.61	5.00	0.00	4.20	4.20
24.65	0.55	0.61	5.00	0.00	4.20	4.20
24.70	0.55	0.61	5.00	0.00	4.20	4.20
24.75	0.55	0.61	5.00	0.00	4.19	4.19
24.80	0.55	0.61	5.00	0.00	4.19	4.19
24.85	0.55	0.61	5.00	0.00	4.19	4.19
24.90	0.55	0.61	5.00	0.00	4.19	4.19
24.95	0.55	0.61	5.00	0.00	4.18	4.18
25.00	0.55	0.61	5.00	0.00	4.18	4.18
25.05	0.55	0.61	5.00	0.00	4.18	4.18
25.10	0.55	0.61	5.00	0.00	4.18	4.18
25.15	0.55	0.61	5.00	0.00	4.18	4.18
25.20	0.55	0.61	5.00	0.00	4.18	4.18
25.25	0.55	0.61	5.00	0.00	4.18	4.18
25.30	0.55	0.61	5.00	0.00	4.17	4.17
25.35	0.55	0.61	5.00	0.00	4.17	4.17
25.40	0.55	0.61	5.00	0.00	4.17	4.17
25.45	0.55	0.61	5.00	0.00	4.17	4.17
25.50	0.55	0.61	5.00	0.00	4.16	4.16
25.55	0.55	0.61	5.00	0.00	4.16	4.16
25.60	0.55	0.61	5.00	0.00	4.16	4.16
25.65	0.55	0.61	5.00	0.00	4.15	4.15
25.70	0.55	0.61	5.00	0.00	4.15	4.15
25.75	0.55	0.61	5.00	0.00	4.15	4.15
25.80	0.55	0.61	5.00	0.00	4.14	4.14
25.85	0.55	0.61	5.00	0.00	4.14	4.14
25.90	0.55	0.61	5.00	0.00	4.14	4.14
25.95	0.55	0.61	5.00	0.00	4.13	4.13
26.00	0.50	0.61	5.00	0.00	4.13	4.13
26.05	0.47	0.61	5.00	0.00	4.13	4.13
26.10	0.45	0.61	5.00	0.00	4.12	4.12
26.15	0.44	0.61	5.00	0.00	4.12	4.12
26.20	0.43	0.61	5.00	0.00	4.11	4.11

26.25	0.42	0.61	5.00	0.00	4.11	4.11
26.30	0.41	0.61	5.00	0.00	4.11	4.11
26.35	0.40	0.61	5.00	0.00	4.10	4.10
26.40	0.40	0.61	5.00	0.00	4.10	4.10
26.45	0.39	0.61	5.00	0.00	4.09	4.09
26.50	0.39	0.61	5.00	0.00	4.09	4.09
26.55	0.38	0.61	5.00	0.00	4.08	4.08
26.60	0.38	0.61	5.00	0.00	4.08	4.08
26.65	0.37	0.61	5.00	0.00	4.07	4.07
26.70	0.37	0.61	5.00	0.00	4.07	4.07
26.75	0.36	0.61	5.00	0.00	4.06	4.06
26.80	0.36	0.61	5.00	0.00	4.06	4.06
26.85	0.35	0.61	5.00	0.00	4.05	4.05
26.90	0.35	0.61	5.00	0.00	4.05	4.05
26.95	0.34	0.61	5.00	0.00	4.04	4.04
27.00	0.34	0.61	5.00	0.00	4.03	4.03
27.05	0.34	0.61	5.00	0.00	4.03	4.03
27.10	0.33	0.61	5.00	0.00	4.02	4.02
27.15	0.33	0.61	5.00	0.00	4.02	4.02
27.20	0.33	0.61	5.00	0.00	4.01	4.01
27.25	0.32	0.61	5.00	0.00	4.00	4.00
27.30	0.32	0.61	5.00	0.00	4.00	4.00
27.35	0.32	0.61	5.00	0.00	3.99	3.99
27.40	0.31	0.61	5.00	0.00	3.98	3.98
27.45	0.31	0.61	5.00	0.00	3.97	3.97
27.50	0.31	0.61	5.00	0.00	3.97	3.97
27.55	0.30	0.61	5.00	0.00	3.96	3.96
27.60	0.30	0.61	5.00	0.00	3.95	3.95
27.65	0.30	0.61	5.00	0.00	3.94	3.94
27.70	0.29	0.61	5.00	0.00	3.93	3.93
27.75	0.29	0.61	5.00	0.00	3.92	3.92
27.80	0.29	0.61	5.00	0.00	3.91	3.91
27.85	0.29	0.61	5.00	0.00	3.90	3.90
27.90	0.29	0.61	5.00	0.00	3.89	3.89
27.95	0.29	0.61	5.00	0.00	3.88	3.88
28.00	0.29	0.61	5.00	0.00	3.88	3.88
28.05	0.28	0.61	5.00	0.00	3.87	3.87
28.10	0.28	0.61	5.00	0.00	3.86	3.86
28.15	0.28	0.61	5.00	0.00	3.85	3.85
28.20	0.28	0.61	5.00	0.00	3.84	3.84
28.25	0.27	0.61	5.00	0.00	3.83	3.83
28.30	0.27	0.61	5.00	0.00	3.82	3.82
28.35	0.27	0.60	5.00	0.00	3.81	3.81
28.40	0.27	0.60	5.00	0.00	3.80	3.80
28.45	0.26	0.60	5.00	0.00	3.79	3.79
28.50	0.26	0.60	5.00	0.00	3.78	3.78
28.55	0.26	0.60	5.00	0.00	3.77	3.77
28.60	0.26	0.60	5.00	0.00	3.76	3.76
28.65	0.25	0.60	5.00	0.00	3.74	3.74
28.70	0.25	0.60	5.00	0.00	3.73	3.73

28.75	0.25	0.60	5.00	0.00	3.72	3.72
28.80	0.25	0.60	5.00	0.00	3.71	3.71
28.85	0.24	0.60	5.00	0.00	3.70	3.70
28.90	0.24	0.60	5.00	0.00	3.69	3.69
28.95	0.24	0.60	5.00	0.00	3.68	3.68
29.00	0.24	0.60	5.00	0.00	3.67	3.67
29.05	0.24	0.60	5.00	0.00	3.65	3.65
29.10	0.23	0.60	5.00	0.00	3.64	3.64
29.15	0.23	0.60	5.00	0.00	3.63	3.63
29.20	0.23	0.60	5.00	0.00	3.62	3.62
29.25	0.23	0.60	5.00	0.00	3.61	3.61
29.30	0.22	0.60	5.00	0.00	3.59	3.59
29.35	0.22	0.60	5.00	0.00	3.58	3.58
29.40	0.22	0.60	5.00	0.00	3.57	3.57
29.45	0.22	0.60	5.00	0.00	3.55	3.55
29.50	0.22	0.60	5.00	0.00	3.54	3.54
29.55	0.21	0.60	5.00	0.00	3.53	3.53
29.60	0.21	0.60	5.00	0.00	3.51	3.51
29.65	0.21	0.60	5.00	0.00	3.50	3.50
29.70	0.21	0.60	5.00	0.00	3.49	3.49
29.75	0.20	0.60	5.00	0.00	3.47	3.47
29.80	0.20	0.60	5.00	0.00	3.46	3.46
29.85	0.20	0.60	5.00	0.00	3.44	3.44
29.90	0.20	0.60	5.00	0.00	3.43	3.43
29.95	0.20	0.60	5.00	0.00	3.41	3.41
30.00	0.19	0.60	5.00	0.00	3.40	3.40
30.05	0.19	0.60	5.00	0.00	3.38	3.38
30.10	0.20	0.60	5.00	0.00	3.37	3.37
30.15	0.20	0.60	5.00	0.00	3.35	3.35
30.20	0.20	0.60	5.00	0.00	3.34	3.34
30.25	0.20	0.60	5.00	0.00	3.32	3.32
30.30	0.20	0.60	5.00	0.00	3.31	3.31
30.35	0.20	0.60	5.00	0.00	3.29	3.29
30.40	0.20	0.60	5.00	0.00	3.28	3.28
30.45	0.20	0.60	5.00	0.00	3.26	3.26
30.50	0.20	0.60	5.00	0.00	3.25	3.25
30.55	0.20	0.60	5.00	0.00	3.23	3.23
30.60	0.20	0.60	5.00	0.00	3.22	3.22
30.65	0.20	0.60	5.00	0.00	3.20	3.20
30.70	0.20	0.60	5.00	0.00	3.19	3.19
30.75	0.20	0.60	5.00	0.00	3.17	3.17
30.80	0.20	0.60	5.00	0.00	3.16	3.16
30.85	0.20	0.60	5.00	0.00	3.14	3.14
30.90	0.20	0.60	5.00	0.00	3.13	3.13
30.95	0.20	0.60	5.00	0.00	3.11	3.11
31.00	0.20	0.60	5.00	0.00	3.10	3.10
31.05	0.20	0.60	5.00	0.00	3.08	3.08
31.10	0.20	0.60	5.00	0.00	3.07	3.07
31.15	0.20	0.60	5.00	0.00	3.05	3.05
31.20	0.20	0.60	5.00	0.00	3.04	3.04

31.25	0.20	0.60	5.00	0.00	3.02	3.02
31.30	0.20	0.60	5.00	0.00	3.01	3.01
31.35	0.20	0.60	5.00	0.00	2.99	2.99
31.40	0.20	0.59	5.00	0.00	2.98	2.98
31.45	0.20	0.59	5.00	0.00	2.96	2.96
31.50	0.20	0.59	5.00	0.00	2.95	2.95
31.55	0.20	0.59	5.00	0.00	2.93	2.93
31.60	0.20	0.59	5.00	0.00	2.92	2.92
31.65	0.20	0.59	5.00	0.00	2.90	2.90
31.70	0.20	0.59	5.00	0.00	2.89	2.89
31.75	0.20	0.59	5.00	0.00	2.87	2.87
31.80	0.20	0.59	5.00	0.00	2.86	2.86
31.85	0.20	0.59	5.00	0.00	2.84	2.84
31.90	0.20	0.59	5.00	0.00	2.83	2.83
31.95	0.20	0.59	5.00	0.00	2.82	2.82
32.00	0.20	0.59	5.00	0.00	2.80	2.80
32.05	0.20	0.59	5.00	0.00	2.79	2.79
32.10	0.20	0.59	5.00	0.00	2.77	2.77
32.15	0.20	0.59	5.00	0.00	2.76	2.76
32.20	0.20	0.59	5.00	0.00	2.74	2.74
32.25	0.20	0.59	5.00	0.00	2.73	2.73
32.30	0.20	0.59	5.00	0.00	2.71	2.71
32.35	0.20	0.59	5.00	0.00	2.70	2.70
32.40	0.20	0.59	5.00	0.00	2.68	2.68
32.45	0.20	0.59	5.00	0.00	2.67	2.67
32.50	0.20	0.59	5.00	0.00	2.66	2.66
32.55	0.20	0.59	5.00	0.00	2.64	2.64
32.60	0.20	0.59	5.00	0.00	2.63	2.63
32.65	0.20	0.59	5.00	0.00	2.61	2.61
32.70	0.20	0.59	5.00	0.00	2.60	2.60
32.75	0.20	0.59	5.00	0.00	2.58	2.58
32.80	0.20	0.59	5.00	0.00	2.57	2.57
32.85	0.20	0.59	5.00	0.00	2.55	2.55
32.90	0.20	0.59	5.00	0.00	2.54	2.54
32.95	0.20	0.59	5.00	0.00	2.53	2.53
33.00	0.20	0.59	5.00	0.00	2.51	2.51
33.05	0.20	0.59	5.00	0.00	2.50	2.50
33.10	0.20	0.59	5.00	0.00	2.48	2.48
33.15	0.20	0.59	5.00	0.00	2.47	2.47
33.20	0.20	0.59	5.00	0.00	2.45	2.45
33.25	0.20	0.59	5.00	0.00	2.44	2.44
33.30	0.20	0.58	5.00	0.00	2.43	2.43
33.35	0.20	0.58	5.00	0.00	2.41	2.41
33.40	0.20	0.58	5.00	0.00	2.40	2.40
33.45	0.20	0.58	5.00	0.00	2.38	2.38
33.50	0.20	0.58	5.00	0.00	2.37	2.37
33.55	0.20	0.58	5.00	0.00	2.35	2.35
33.60	0.20	0.58	5.00	0.00	2.34	2.34
33.65	0.20	0.58	5.00	0.00	2.33	2.33
33.70	0.20	0.58	5.00	0.00	2.31	2.31

33.75	0.20	0.58	5.00	0.00	2.30	2.30
33.80	0.20	0.58	5.00	0.00	2.28	2.28
33.85	0.20	0.58	5.00	0.00	2.27	2.27
33.90	0.20	0.58	5.00	0.00	2.26	2.26
33.95	0.20	0.58	5.00	0.00	2.24	2.24
34.00	0.20	0.58	5.00	0.00	2.23	2.23
34.05	0.20	0.58	5.00	0.00	2.21	2.21
34.10	0.20	0.58	5.00	0.00	2.20	2.20
34.15	0.20	0.58	5.00	0.00	2.19	2.19
34.20	0.20	0.58	5.00	0.00	2.17	2.17
34.25	0.20	0.58	5.00	0.00	2.16	2.16
34.30	0.20	0.58	5.00	0.00	2.14	2.14
34.35	0.21	0.58	5.00	0.00	2.13	2.13
34.40	0.21	0.58	5.00	0.00	2.12	2.12
34.45	0.21	0.58	5.00	0.00	2.10	2.10
34.50	0.21	0.58	5.00	0.00	2.09	2.09
34.55	0.21	0.58	5.00	0.00	2.08	2.08
34.60	0.21	0.58	5.00	0.00	2.06	2.06
34.65	0.21	0.58	5.00	0.00	2.05	2.05
34.70	0.21	0.58	5.00	0.00	2.03	2.03
34.75	0.21	0.58	5.00	0.00	2.02	2.02
34.80	0.21	0.58	5.00	0.00	2.01	2.01
34.85	0.21	0.58	5.00	0.00	1.99	1.99
34.90	0.21	0.58	5.00	0.00	1.98	1.98
34.95	0.21	0.58	5.00	0.00	1.96	1.96
35.00	0.21	0.58	5.00	0.00	1.95	1.95
35.05	0.21	0.58	5.00	0.00	1.94	1.94
35.10	0.21	0.58	5.00	0.00	1.92	1.92
35.15	0.21	0.58	5.00	0.00	1.91	1.91
35.20	0.21	0.57	5.00	0.00	1.90	1.90
35.25	0.22	0.57	5.00	0.00	1.88	1.88
35.30	0.22	0.57	5.00	0.00	1.87	1.87
35.35	0.22	0.57	5.00	0.00	1.86	1.86
35.40	0.22	0.57	5.00	0.00	1.85	1.85
35.45	0.22	0.57	5.00	0.00	1.83	1.83
35.50	0.23	0.57	5.00	0.00	1.82	1.82
35.55	0.23	0.57	5.00	0.00	1.81	1.81
35.60	0.23	0.57	5.00	0.00	1.80	1.80
35.65	0.23	0.57	5.00	0.00	1.79	1.79
35.70	0.24	0.57	5.00	0.00	1.77	1.77
35.75	0.24	0.57	5.00	0.00	1.76	1.76
35.80	0.24	0.57	5.00	0.00	1.75	1.75
35.85	0.24	0.57	5.00	0.00	1.74	1.74
35.90	0.24	0.57	5.00	0.00	1.73	1.73
35.95	0.25	0.57	5.00	0.00	1.72	1.72
36.00	0.25	0.57	5.00	0.00	1.71	1.71
36.05	0.25	0.57	5.00	0.00	1.70	1.70
36.10	0.25	0.57	5.00	0.00	1.69	1.69
36.15	0.26	0.57	5.00	0.00	1.68	1.68
36.20	0.26	0.57	5.00	0.00	1.66	1.66

36.25	0.26	0.57	5.00	0.00	1.65	1.65
36.30	0.26	0.57	5.00	0.00	1.64	1.64
36.35	0.27	0.57	5.00	0.00	1.63	1.63
36.40	0.27	0.57	5.00	0.00	1.62	1.62
36.45	0.27	0.57	5.00	0.00	1.61	1.61
36.50	0.27	0.57	5.00	0.00	1.60	1.60
36.55	0.28	0.57	5.00	0.00	1.60	1.60
36.60	0.28	0.57	5.00	0.00	1.59	1.59
36.65	0.28	0.57	5.00	0.00	1.58	1.58
36.70	0.28	0.57	5.00	0.00	1.57	1.57
36.75	0.29	0.57	5.00	0.00	1.56	1.56
36.80	0.29	0.57	5.00	0.00	1.55	1.55
36.85	0.29	0.57	5.00	0.00	1.54	1.54
36.90	0.29	0.57	5.00	0.00	1.53	1.53
36.95	0.30	0.57	5.00	0.00	1.52	1.52
37.00	0.30	0.57	5.00	0.00	1.51	1.51
37.05	0.30	0.57	5.00	0.00	1.50	1.50
37.10	0.31	0.56	5.00	0.00	1.49	1.49
37.15	0.31	0.56	5.00	0.00	1.49	1.49
37.20	0.31	0.56	5.00	0.00	1.48	1.48
37.25	0.32	0.56	5.00	0.00	1.47	1.47
37.30	0.32	0.56	5.00	0.00	1.46	1.46
37.35	0.32	0.56	5.00	0.00	1.45	1.45
37.40	0.33	0.56	5.00	0.00	1.44	1.44
37.45	0.33	0.56	5.00	0.00	1.44	1.44
37.50	0.33	0.56	5.00	0.00	1.43	1.43
37.55	0.34	0.56	5.00	0.00	1.42	1.42
37.60	0.34	0.56	5.00	0.00	1.41	1.41
37.65	0.35	0.56	5.00	0.00	1.40	1.40
37.70	0.35	0.56	5.00	0.00	1.40	1.40
37.75	0.35	0.56	5.00	0.00	1.39	1.39
37.80	0.36	0.56	5.00	0.00	1.38	1.38
37.85	0.36	0.56	5.00	0.00	1.37	1.37
37.90	0.37	0.56	5.00	0.00	1.37	1.37
37.95	0.37	0.56	5.00	0.00	1.36	1.36
38.00	0.38	0.56	5.00	0.00	1.35	1.35
38.05	0.39	0.56	5.00	0.00	1.34	1.34
38.10	0.39	0.56	5.00	0.00	1.34	1.34
38.15	0.40	0.56	5.00	0.00	1.33	1.33
38.20	0.41	0.56	5.00	0.00	1.32	1.32
38.25	0.42	0.56	5.00	0.00	1.32	1.32
38.30	0.43	0.56	5.00	0.00	1.31	1.31
38.35	0.45	0.56	5.00	0.00	1.30	1.30
38.40	0.47	0.56	5.00	0.00	1.30	1.30
38.45	0.51	0.56	5.00	0.00	1.29	1.29
38.50	0.53	0.56	5.00	0.00	1.28	1.28
38.55	0.53	0.56	5.00	0.00	1.28	1.28
38.60	0.53	0.56	5.00	0.00	1.27	1.27
38.65	0.53	0.56	5.00	0.00	1.26	1.26
38.70	0.53	0.56	5.00	0.00	1.26	1.26

38.75	0.53	0.56	5.00	0.00	1.25	1.25
38.80	0.53	0.56	5.00	0.00	1.24	1.24
38.85	0.53	0.56	5.00	0.00	1.24	1.24
38.90	0.53	0.56	5.00	0.00	1.23	1.23
38.95	0.53	0.56	5.00	0.00	1.22	1.22
39.00	0.53	0.55	5.00	0.00	1.22	1.22
39.05	0.53	0.55	5.00	0.00	1.21	1.21
39.10	0.53	0.55	5.00	0.00	1.21	1.21
39.15	0.53	0.55	5.00	0.00	1.20	1.20
39.20	0.53	0.55	5.00	0.00	1.20	1.20
39.25	0.53	0.55	5.00	0.00	1.19	1.19
39.30	0.53	0.55	5.00	0.00	1.19	1.19
39.35	0.53	0.55	5.00	0.00	1.18	1.18
39.40	0.53	0.55	5.00	0.00	1.18	1.18
39.45	0.53	0.55	5.00	0.00	1.17	1.17
39.50	0.53	0.55	5.00	0.00	1.17	1.17
39.55	0.53	0.55	5.00	0.00	1.16	1.16
39.60	0.53	0.55	5.00	0.00	1.16	1.16
39.65	0.53	0.55	5.00	0.00	1.15	1.15
39.70	0.53	0.55	5.00	0.00	1.15	1.15
39.75	0.53	0.55	5.00	0.00	1.14	1.14
39.80	0.53	0.55	5.00	0.00	1.14	1.14
39.85	0.53	0.55	5.00	0.00	1.14	1.14
39.90	0.53	0.55	5.00	0.00	1.13	1.13
39.95	0.53	0.55	5.00	0.00	1.13	1.13
40.00	0.53	0.55	5.00	0.00	1.13	1.13
40.05	0.53	0.55	5.00	0.00	1.13	1.13
40.10	0.53	0.55	5.00	0.00	1.13	1.13
40.15	0.53	0.55	5.00	0.00	1.12	1.12
40.20	0.53	0.55	5.00	0.00	1.12	1.12
40.25	0.53	0.55	5.00	0.00	1.11	1.11
40.30	0.53	0.55	5.00	0.00	1.11	1.11
40.35	0.53	0.55	5.00	0.00	1.11	1.11
40.40	0.53	0.55	5.00	0.00	1.10	1.10
40.45	0.53	0.55	5.00	0.00	1.10	1.10
40.50	0.53	0.55	5.00	0.00	1.09	1.09
40.55	0.53	0.55	5.00	0.00	1.09	1.09
40.60	0.53	0.55	5.00	0.00	1.08	1.08
40.65	0.53	0.55	5.00	0.00	1.08	1.08
40.70	0.53	0.55	5.00	0.00	1.07	1.07
40.75	0.53	0.55	5.00	0.00	1.07	1.07
40.80	0.53	0.55	5.00	0.00	1.06	1.06
40.85	0.53	0.55	5.00	0.00	1.06	1.06
40.90	0.53	0.54	5.00	0.00	1.05	1.05
40.95	0.53	0.54	5.00	0.00	1.05	1.05
41.00	0.53	0.54	5.00	0.00	1.04	1.04
41.05	0.53	0.54	5.00	0.00	1.04	1.04
41.10	0.53	0.54	5.00	0.00	1.03	1.03
41.15	0.53	0.54	5.00	0.00	1.03	1.03
41.20	0.53	0.54	5.00	0.00	1.02	1.02

41.25	0.53	0.54	5.00	0.00	1.02	1.02
41.30	0.53	0.54	5.00	0.00	1.01	1.01
41.35	0.53	0.54	5.00	0.00	1.01	1.01
41.40	0.52	0.54	5.00	0.00	1.00	1.00
41.45	0.52	0.54	5.00	0.00	0.99	0.99
41.50	0.52	0.54	5.00	0.00	0.99	0.99
41.55	0.52	0.54	5.00	0.00	0.98	0.98
41.60	0.52	0.54	5.00	0.00	0.97	0.97
41.65	0.52	0.54	5.00	0.00	0.97	0.97
41.70	0.52	0.54	5.00	0.00	0.96	0.96
41.75	0.52	0.54	5.00	0.00	0.96	0.96
41.80	0.52	0.54	5.00	0.00	0.95	0.95
41.85	0.52	0.54	5.00	0.00	0.94	0.94
41.90	0.52	0.54	5.00	0.00	0.94	0.94
41.95	0.52	0.54	5.00	0.00	0.93	0.93
42.00	0.52	0.54	5.00	0.00	0.92	0.92
42.05	0.52	0.54	5.00	0.00	0.92	0.92
42.10	0.52	0.54	5.00	0.00	0.91	0.91
42.15	0.49	0.54	5.00	0.00	0.90	0.90
42.20	0.46	0.54	5.00	0.00	0.90	0.90
42.25	0.44	0.54	5.00	0.00	0.89	0.89
42.30	0.43	0.54	5.00	0.00	0.88	0.88
42.35	0.42	0.54	5.00	0.00	0.88	0.88
42.40	0.41	0.54	5.00	0.00	0.87	0.87
42.45	0.40	0.54	5.00	0.00	0.86	0.86
42.50	0.40	0.54	5.00	0.00	0.86	0.86
42.55	0.39	0.54	5.00	0.00	0.85	0.85
42.60	0.38	0.54	5.00	0.00	0.84	0.84
42.65	0.38	0.54	5.00	0.00	0.84	0.84
42.70	0.38	0.54	5.00	0.00	0.83	0.83
42.75	0.37	0.54	5.00	0.00	0.82	0.82
42.80	0.37	0.53	5.00	0.00	0.81	0.81
42.85	0.36	0.53	5.00	0.00	0.81	0.81
42.90	0.36	0.53	5.00	0.00	0.80	0.80
42.95	0.35	0.53	5.00	0.00	0.79	0.79
43.00	0.35	0.53	5.00	0.00	0.78	0.78
43.05	0.35	0.53	5.00	0.00	0.78	0.78
43.10	0.34	0.53	5.00	0.00	0.77	0.77
43.15	0.34	0.53	5.00	0.00	0.76	0.76
43.20	0.34	0.53	5.00	0.00	0.75	0.75
43.25	0.33	0.53	5.00	0.00	0.75	0.75
43.30	0.33	0.53	5.00	0.00	0.74	0.74
43.35	0.33	0.53	5.00	0.00	0.73	0.73
43.40	0.33	0.53	5.00	0.00	0.72	0.72
43.45	0.32	0.53	5.00	0.00	0.71	0.71
43.50	0.32	0.53	5.00	0.00	0.71	0.71
43.55	0.32	0.53	5.00	0.00	0.70	0.70
43.60	0.31	0.53	5.00	0.00	0.69	0.69
43.65	0.31	0.53	5.00	0.00	0.68	0.68
43.70	0.31	0.53	5.00	0.00	0.67	0.67

43.75	0.31	0.53	5.00	0.00	0.67	0.67
43.80	0.30	0.53	5.00	0.00	0.66	0.66
43.85	0.30	0.53	5.00	0.00	0.65	0.65
43.90	0.30	0.53	5.00	0.00	0.64	0.64
43.95	0.30	0.53	5.00	0.00	0.63	0.63
44.00	0.29	0.53	5.00	0.00	0.62	0.62
44.05	0.29	0.53	5.00	0.00	0.61	0.61
44.10	0.29	0.53	5.00	0.00	0.61	0.61
44.15	0.29	0.53	5.00	0.00	0.60	0.60
44.20	0.29	0.53	5.00	0.00	0.59	0.59
44.25	0.28	0.53	5.00	0.00	0.59	0.59
44.30	0.28	0.53	5.00	0.00	0.59	0.59
44.35	0.28	0.53	5.00	0.00	0.58	0.58
44.40	0.28	0.53	5.00	0.00	0.58	0.58
44.45	0.27	0.53	5.00	0.00	0.57	0.57
44.50	0.27	0.53	5.00	0.00	0.57	0.57
44.55	0.27	0.53	5.00	0.00	0.57	0.57
44.60	0.27	0.53	5.00	0.00	0.56	0.56
44.65	0.27	0.53	5.00	0.00	0.56	0.56
44.70	0.26	0.52	5.00	0.00	0.55	0.55
44.75	0.26	0.52	5.00	0.00	0.55	0.55
44.80	0.26	0.52	5.00	0.00	0.54	0.54
44.85	0.26	0.52	5.00	0.00	0.54	0.54
44.90	0.26	0.52	5.00	0.00	0.53	0.53
44.95	0.26	0.52	5.00	0.00	0.53	0.53
45.00	0.25	0.52	5.00	0.00	0.52	0.52
45.05	0.25	0.52	5.00	0.00	0.52	0.52
45.10	0.25	0.52	5.00	0.00	0.51	0.51
45.15	0.25	0.52	5.00	0.00	0.51	0.51
45.20	0.25	0.52	5.00	0.00	0.50	0.50
45.25	0.25	0.52	5.00	0.00	0.50	0.50
45.30	0.25	0.52	5.00	0.00	0.49	0.49
45.35	0.25	0.52	5.00	0.00	0.49	0.49
45.40	0.25	0.52	5.00	0.00	0.48	0.48
45.45	0.25	0.52	5.00	0.00	0.48	0.48
45.50	0.25	0.52	5.00	0.00	0.47	0.47
45.55	0.25	0.52	5.00	0.00	0.47	0.47
45.60	0.25	0.52	5.00	0.00	0.46	0.46
45.65	0.25	0.52	5.00	0.00	0.46	0.46
45.70	0.25	0.52	5.00	0.00	0.45	0.45
45.75	0.25	0.52	5.00	0.00	0.45	0.45
45.80	0.25	0.52	5.00	0.00	0.44	0.44
45.85	0.25	0.52	5.00	0.00	0.44	0.44
45.90	0.25	0.52	5.00	0.00	0.43	0.43
45.95	0.25	0.52	5.00	0.00	0.43	0.43
46.00	0.25	0.52	5.00	0.00	0.42	0.42
46.05	0.25	0.52	5.00	0.00	0.42	0.42
46.10	0.25	0.52	5.00	0.00	0.41	0.41
46.15	0.25	0.52	5.00	0.00	0.41	0.41
46.20	0.25	0.52	5.00	0.00	0.40	0.40

46.25	0.25	0.52	5.00	0.00	0.40	0.40
46.30	0.25	0.52	5.00	0.00	0.39	0.39
46.35	0.25	0.52	5.00	0.00	0.39	0.39
46.40	0.25	0.52	5.00	0.00	0.38	0.38
46.45	0.25	0.52	5.00	0.00	0.38	0.38
46.50	0.25	0.52	5.00	0.00	0.37	0.37
46.55	0.25	0.52	5.00	0.00	0.37	0.37
46.60	0.25	0.51	5.00	0.00	0.36	0.36
46.65	0.25	0.51	5.00	0.00	0.36	0.36
46.70	0.25	0.51	5.00	0.00	0.35	0.35
46.75	0.25	0.51	5.00	0.00	0.35	0.35
46.80	0.25	0.51	5.00	0.00	0.34	0.34
46.85	0.25	0.51	5.00	0.00	0.34	0.34
46.90	0.25	0.51	5.00	0.00	0.33	0.33
46.95	0.25	0.51	5.00	0.00	0.33	0.33
47.00	0.25	0.51	5.00	0.00	0.32	0.32
47.05	0.25	0.51	5.00	0.00	0.32	0.32
47.10	0.25	0.51	5.00	0.00	0.31	0.31
47.15	0.25	0.51	5.00	0.00	0.31	0.31
47.20	0.24	0.51	5.00	0.00	0.30	0.30
47.25	0.24	0.51	5.00	0.00	0.30	0.30
47.30	0.24	0.51	5.00	0.00	0.29	0.29
47.35	0.24	0.51	5.00	0.00	0.29	0.29
47.40	0.24	0.51	5.00	0.00	0.28	0.28
47.45	0.24	0.51	5.00	0.00	0.28	0.28
47.50	0.24	0.51	5.00	0.00	0.27	0.27
47.55	0.24	0.51	5.00	0.00	0.27	0.27
47.60	0.24	0.51	5.00	0.00	0.26	0.26
47.65	0.24	0.51	5.00	0.00	0.26	0.26
47.70	0.24	0.51	5.00	0.00	0.25	0.25
47.75	0.24	0.51	5.00	0.00	0.24	0.24
47.80	0.24	0.51	5.00	0.00	0.24	0.24
47.85	0.24	0.51	5.00	0.00	0.23	0.23
47.90	0.24	0.51	5.00	0.00	0.23	0.23
47.95	0.24	0.51	5.00	0.00	0.22	0.22
48.00	0.24	0.51	5.00	0.00	0.22	0.22
48.05	0.24	0.51	5.00	0.00	0.21	0.21
48.10	0.24	0.51	5.00	0.00	0.21	0.21
48.15	0.24	0.51	5.00	0.00	0.20	0.20
48.20	0.24	0.51	5.00	0.00	0.20	0.20
48.25	0.24	0.51	5.00	0.00	0.19	0.19
48.30	0.24	0.51	5.00	0.00	0.19	0.19
48.35	0.24	0.51	5.00	0.00	0.18	0.18
48.40	0.24	0.51	5.00	0.00	0.18	0.18
48.45	0.24	0.51	5.00	0.00	0.17	0.17
48.50	0.24	0.50	5.00	0.00	0.16	0.16
48.55	0.24	0.50	5.00	0.00	0.16	0.16
48.60	0.24	0.50	5.00	0.00	0.15	0.15
48.65	0.24	0.50	5.00	0.00	0.15	0.15
48.70	0.24	0.50	5.00	0.00	0.14	0.14

48.75	0.24	0.50	5.00	0.00	0.14	0.14
48.80	0.24	0.50	5.00	0.00	0.13	0.13
48.85	0.24	0.50	5.00	0.00	0.13	0.13
48.90	0.24	0.50	5.00	0.00	0.12	0.12
48.95	0.24	0.50	5.00	0.00	0.12	0.12
49.00	0.24	0.50	5.00	0.00	0.11	0.11
49.05	0.24	0.50	5.00	0.00	0.11	0.11
49.10	0.24	0.50	5.00	0.00	0.10	0.10
49.15	0.24	0.50	5.00	0.00	0.09	0.09
49.20	0.24	0.50	5.00	0.00	0.09	0.09
49.25	0.24	0.50	5.00	0.00	0.08	0.08
49.30	0.24	0.50	5.00	0.00	0.08	0.08
49.35	0.24	0.50	5.00	0.00	0.07	0.07
49.40	0.24	0.50	5.00	0.00	0.07	0.07
49.45	0.24	0.50	5.00	0.00	0.06	0.06
49.50	0.24	0.50	5.00	0.00	0.06	0.06
49.55	0.24	0.50	5.00	0.00	0.05	0.05
49.60	0.23	0.50	5.00	0.00	0.04	0.04
49.65	0.23	0.50	5.00	0.00	0.04	0.04
49.70	0.23	0.50	5.00	0.00	0.03	0.03
49.75	0.23	0.50	5.00	0.00	0.03	0.03
49.80	0.23	0.50	5.00	0.00	0.02	0.02
49.85	0.23	0.50	5.00	0.00	0.02	0.02
49.90	0.23	0.50	5.00	0.00	0.01	0.01
49.95	0.23	0.50	5.00	0.00	0.01	0.01
50.00	0.23	0.50	5.00	0.00	0.00	0.00

* F.S.<1, Liquefaction Potential Zone
(F.S. is limited to 5, CRR is limited to 2, CSR is limited to 2)

Units: Unit: qc, fs, Stress or Pressure = atm (1.0581tsf); Unit Weight =
pcf; Depth = ft; Settlement = in.

1 atm (atmosphere) = 1 tsf (ton/ft²)
CRRm Cyclic resistance ratio from soils
CSRsf Cyclic stress ratio induced by a given earthquake (with user
request factor of safety)
F.S. Factor of Safety against liquefaction, F.S.=CRRm/CSRsf
S_sat Settlement from saturated sands
S_dry Settlement from Unsaturated Sands
S_all Total Settlement from Saturated and Unsaturated Sands
NoLiq No-Liquefy Soils

DOSNER ORGANIC FARMS
LIGHTING PLANS

CITY OF HEMET PUBLIC WORKS DEPARTMENT – ENGINEERING DIVISION
PEER REVIEW COMMENT SHEET

**Peer Review Comments for Proposed Dosner Organic Farms Warehouse, Sladden June 13, 2025
Project No. 644-24039 - 1st Review of July 10, 2025**

Comment No.	Section	Page	Comments (July 10, 2025)
1	--	5	It appears that a basin will be constructed onsite as per the Site Plan. Please provide percolation testing as needed.
2	Liquefaction/Dry Sand Settlement	8	The report indicates Dry Sand Settlement as a heading on this page; however no discussion of Dry Sand Settlement is provided. As dry sand settlement is a concern in the San Jacinto Valley, and boring logs indicate densities, blowcounts, and soil types that could be susceptible to dry seismic settlement, a quantitative analysis should be conducted and presented to estimate the seismic total and differential settlement, and provide design recommendations for foundations and the resultant total settlement (static and seismic), including differential.
3	Earthwork and Grading	9	Recommendations for potential slope grading/compaction are not provided for basins when it appears that a basin will be constructed onsite as per the Site Plan. Please provide.
4	--	12	Recommendations for potential pole/pier foundations are not provided. As the proposed use is for a warehouse building, likely with light standards to be used, please provide design recommendations, or confirm no light standards will be used.
5	Retaining Walls	13	It shown on the site plan that below grade walls/dock high access may be used. Please provide seismic lateral earth pressures for design use on walls over 6 feet in height, or confirm that no below grade walls will be utilized or none will be over 6 feet in retained height.
6	N/A	N/A	The consultant should review the project grading and foundation plans to confirm compliance with their recommendations and design intent, as well confirm the requirements of the City of Hemet Standards and Manuals are, at a minimum, met.