

**EXPLANATION:** 

B-10 Approximate locations of the 10 exploratory borings completed for this investigation (Group Delta, 2024). Prior explorations in dark blue.

CPT-5 V Approximate locations of the 5 cone penetration test (CPT) soundings completed for this geotechnical investigation (Group Delta, 2024).

I-6 Two borehole percolation tests were performed at each of the six test locations to aid in civil BMP storm water design (Group Delta, 2024).



DELTA

GROUP

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PROJECT NAME
Riverside Community Hospital
HCA Design and Construction

PROJECT NUMBER SD809

DOCUMENT NUMBER 24-0011

EXPLORATION PLAN (GARAGE SITE)



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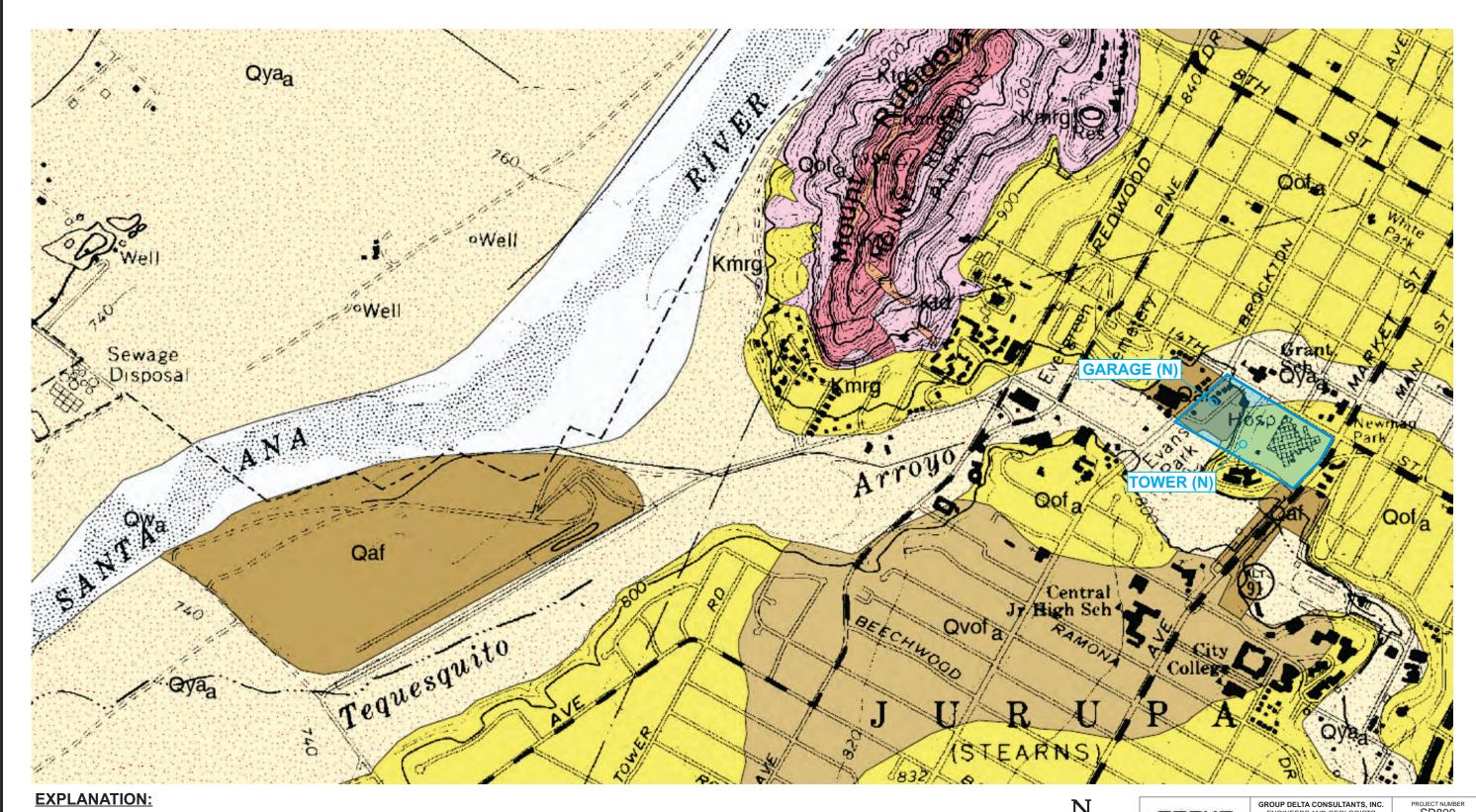
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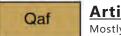
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EXPLORATION PLAN (TOWER SITE)





Artificial fill (Holocene):

Mostly silty sand, clayey sand and sandy silt placed in previous grading operations.



Young Alluvium (Holocene):

Unconsolidated alluvium consisting of fine to coarse grained sand and lesser gravel and silt.



Old Alluvium (Pleistocene):

Slightly indurated, sandy alluvial fan deposits associated with the Santa Ana River system.



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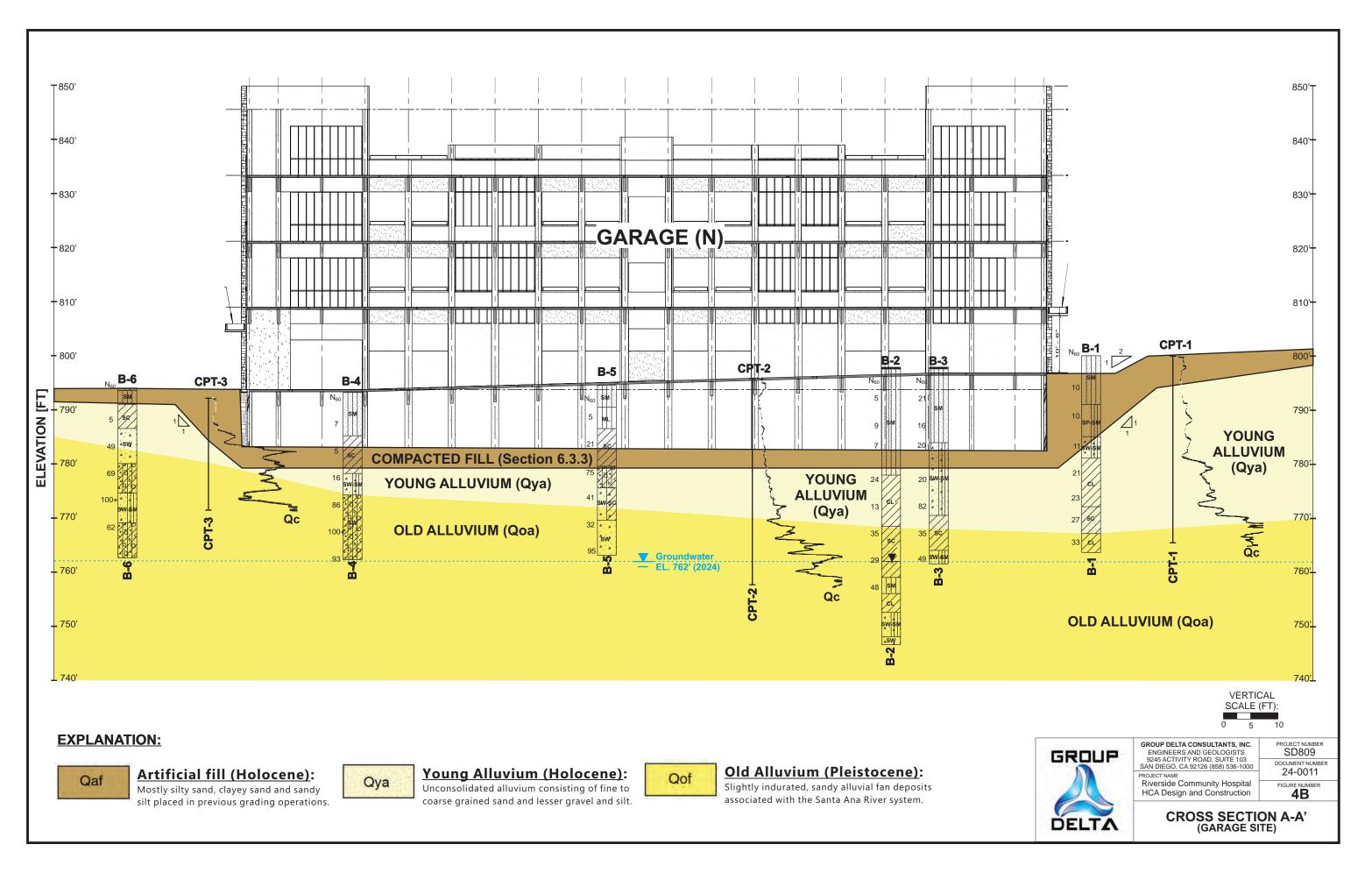
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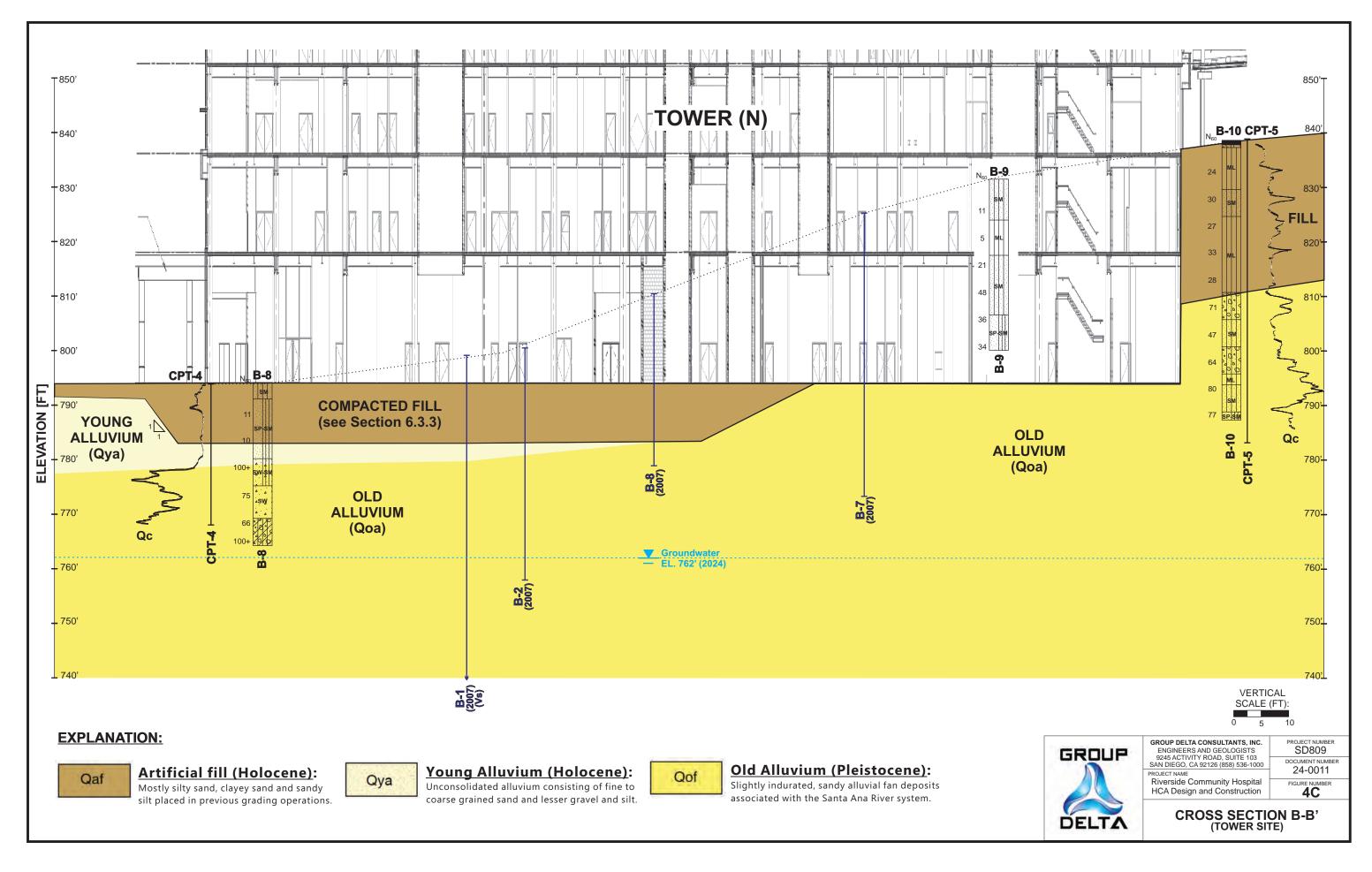
DOCUMENT NUMBER 24-0011

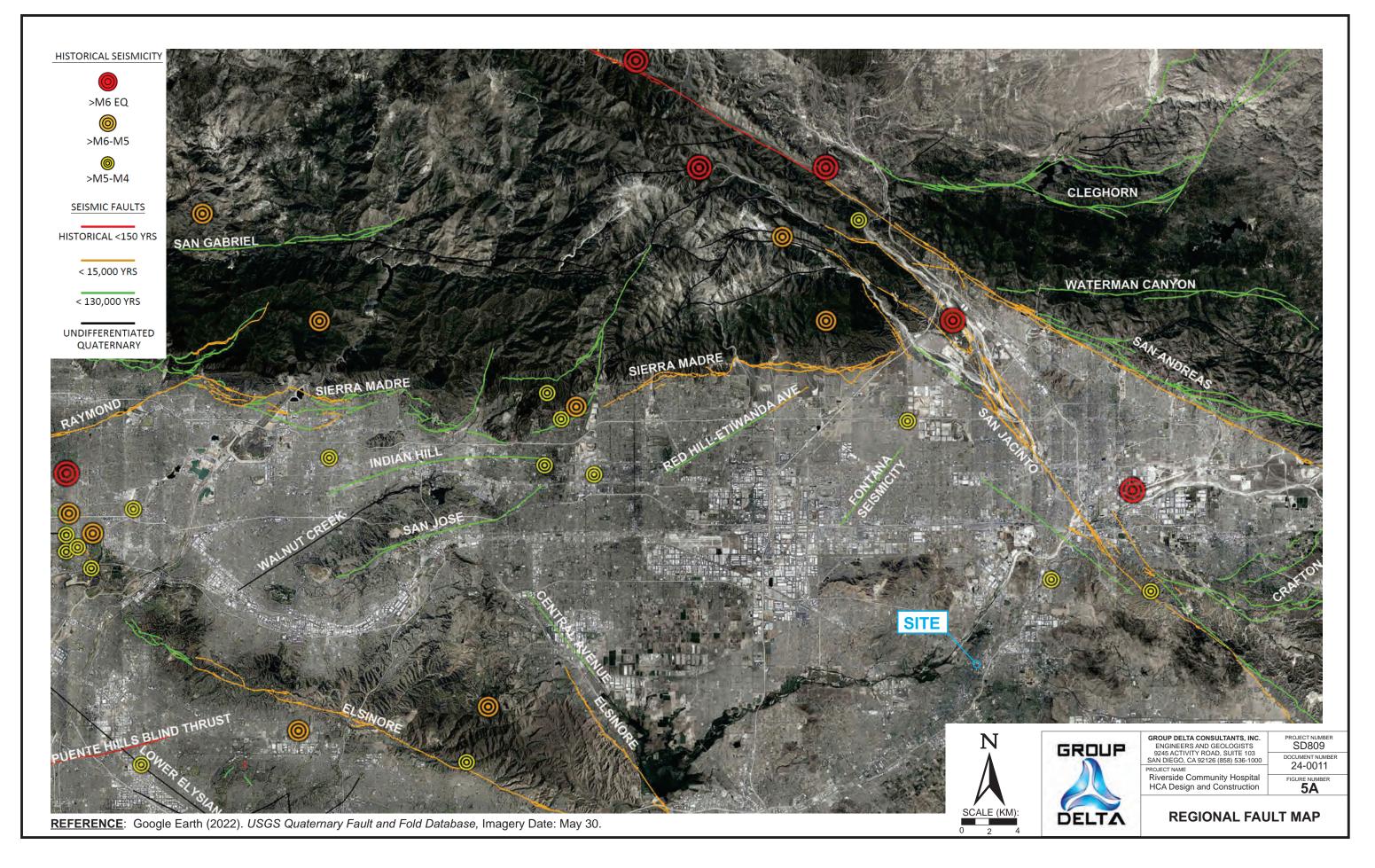
FIGURE NUMBER

**LOCAL GEOLOGIC MAP** 

**REFERENCE**: Morton and Cox (2002). Geologic Map of the Riverside West 7.5' Quadrant, Riverside, California.









### **EXPLANATION:**



### **FEMA 100-Year Flood Zone AE:**

The approximate limits of the FEMA 100-year flood within the Tequesquito Arroyo are shown in blue.



### **FEMA 100-Year Flood Elevations**;

The approximate elevations of the 100-year flood within the Tequesquito Arroyo is also shown [MSL].

NO SCALE



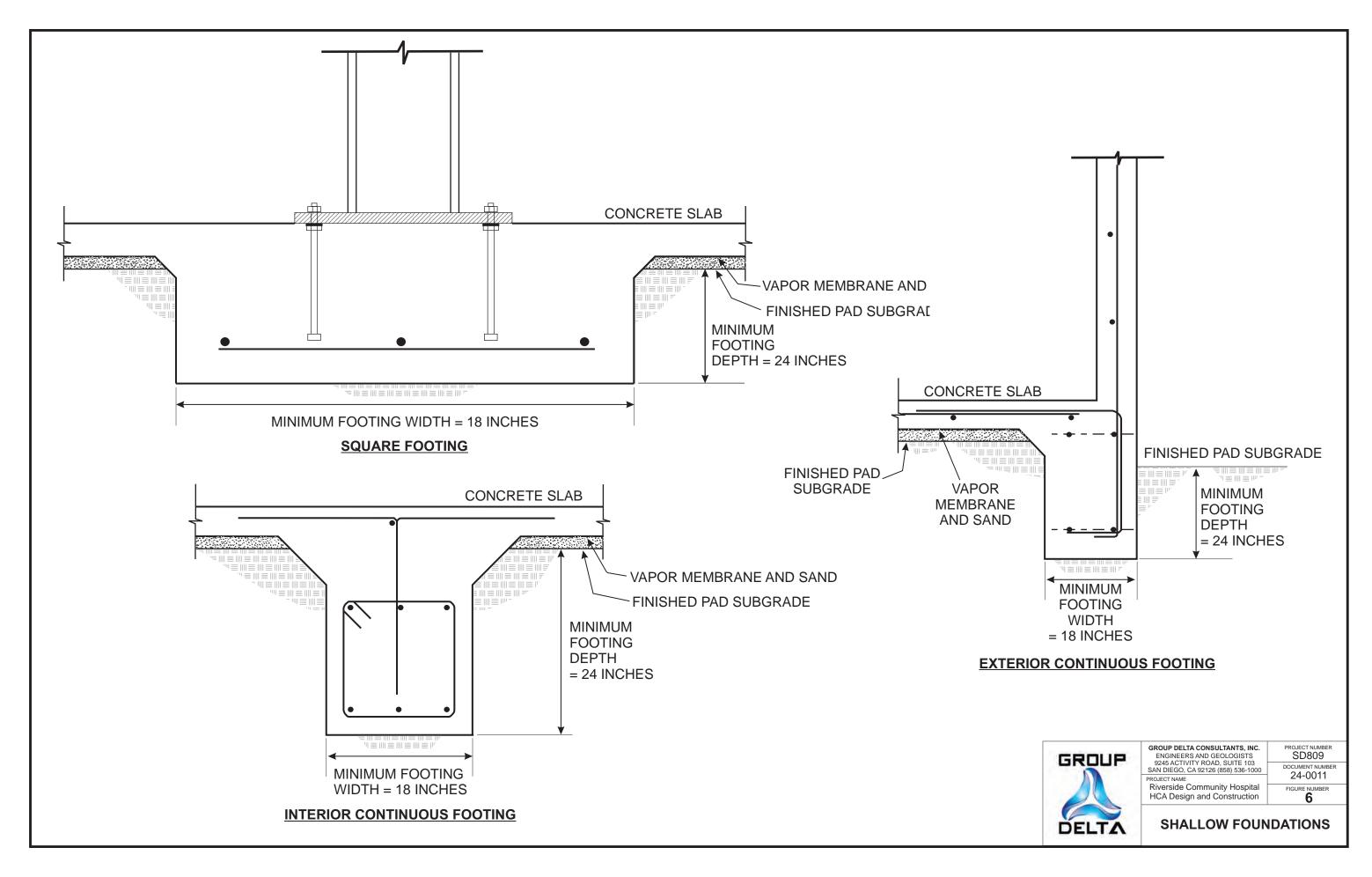
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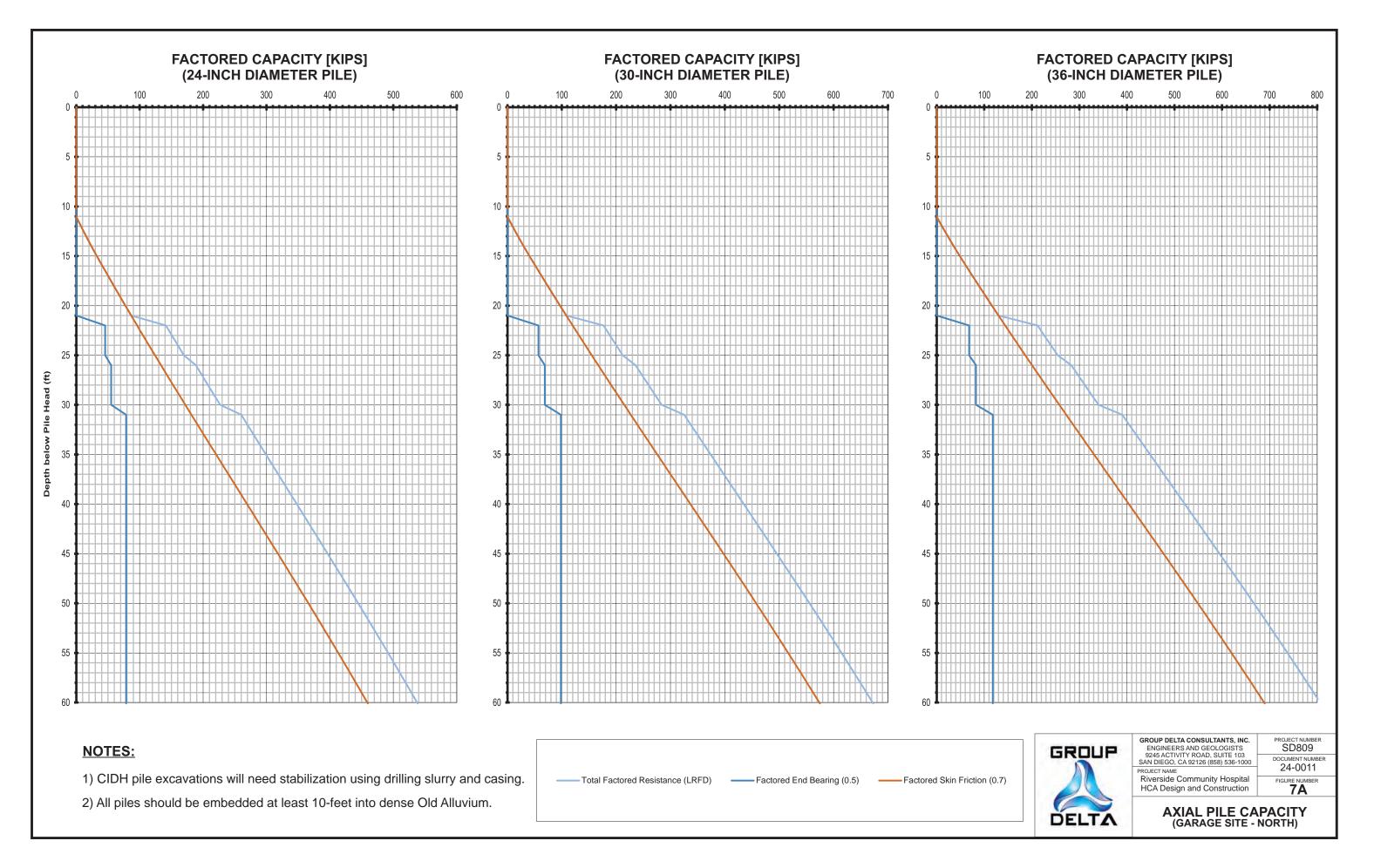
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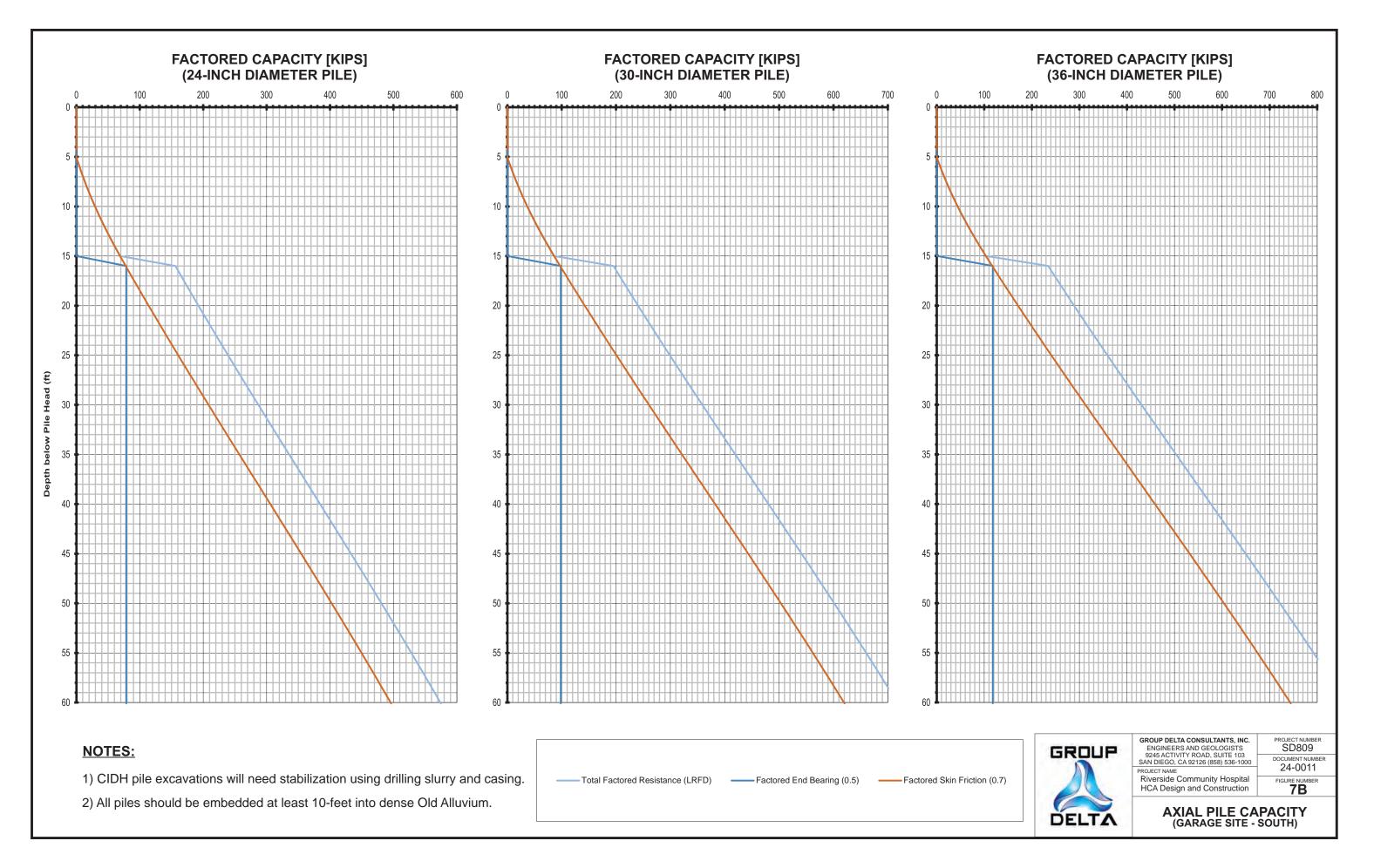
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DOCUMENT NUMBER
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FIGURE NUMBER

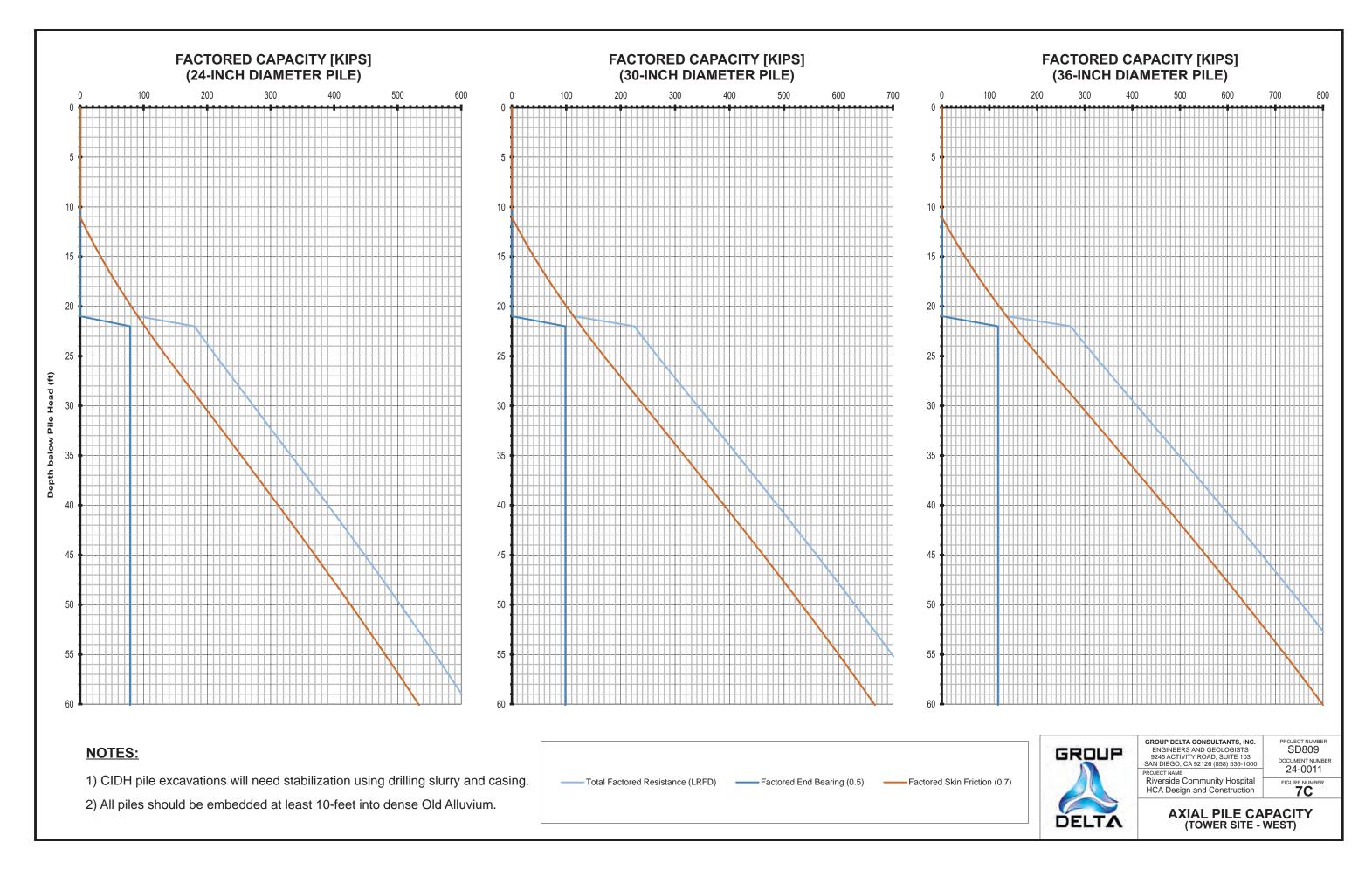
**FEMA FLOOD MAP** 

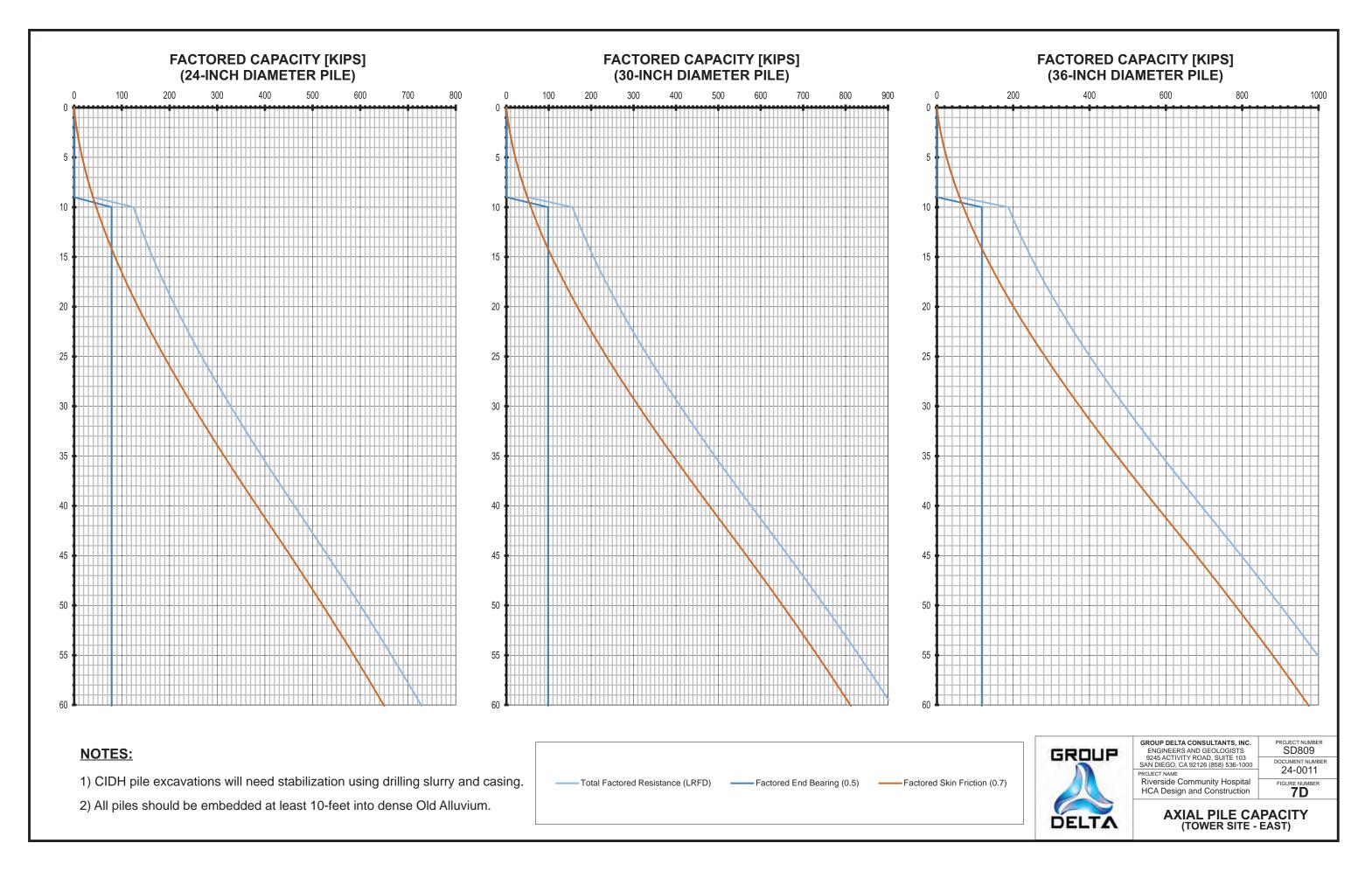
Reference: FEMA (2021). FEMA's National Flood Hazard Layer (NFHL) Viewer, Map 06065C0710G, https://hazards-fema.maps.arcgis.com/apps/webappviewer.

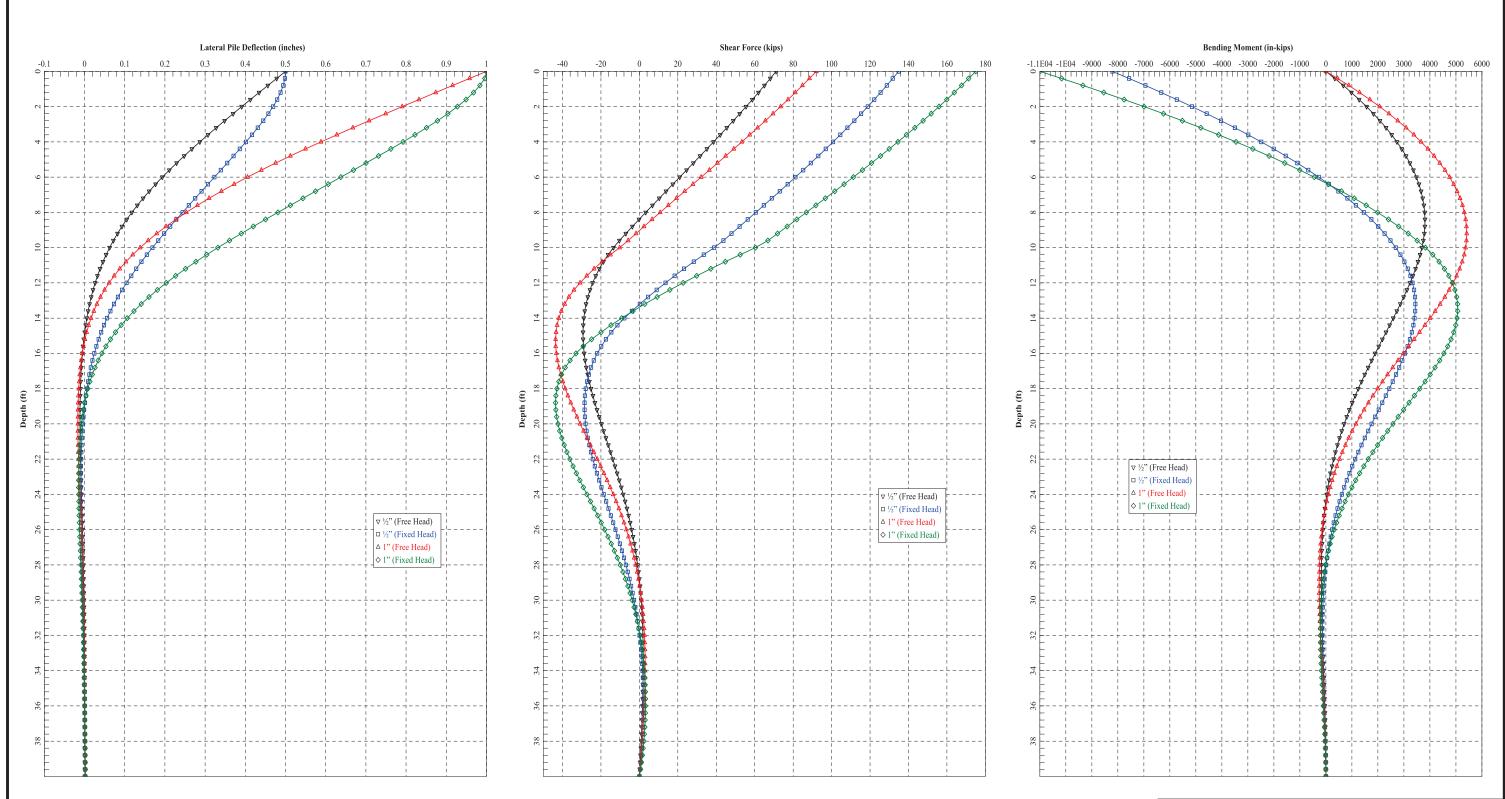












- 1) The approximate lateral response of a single 30-inch diameter, 40-foot long pile is shown in the deflection, shear and moment diagrams provided above.
- 2) The analyses assume at least 10-foot embedment into dense Old Alluvium, with 4,000 psi concrete strength and (6) No. 14 transverse bars (Grade 60).



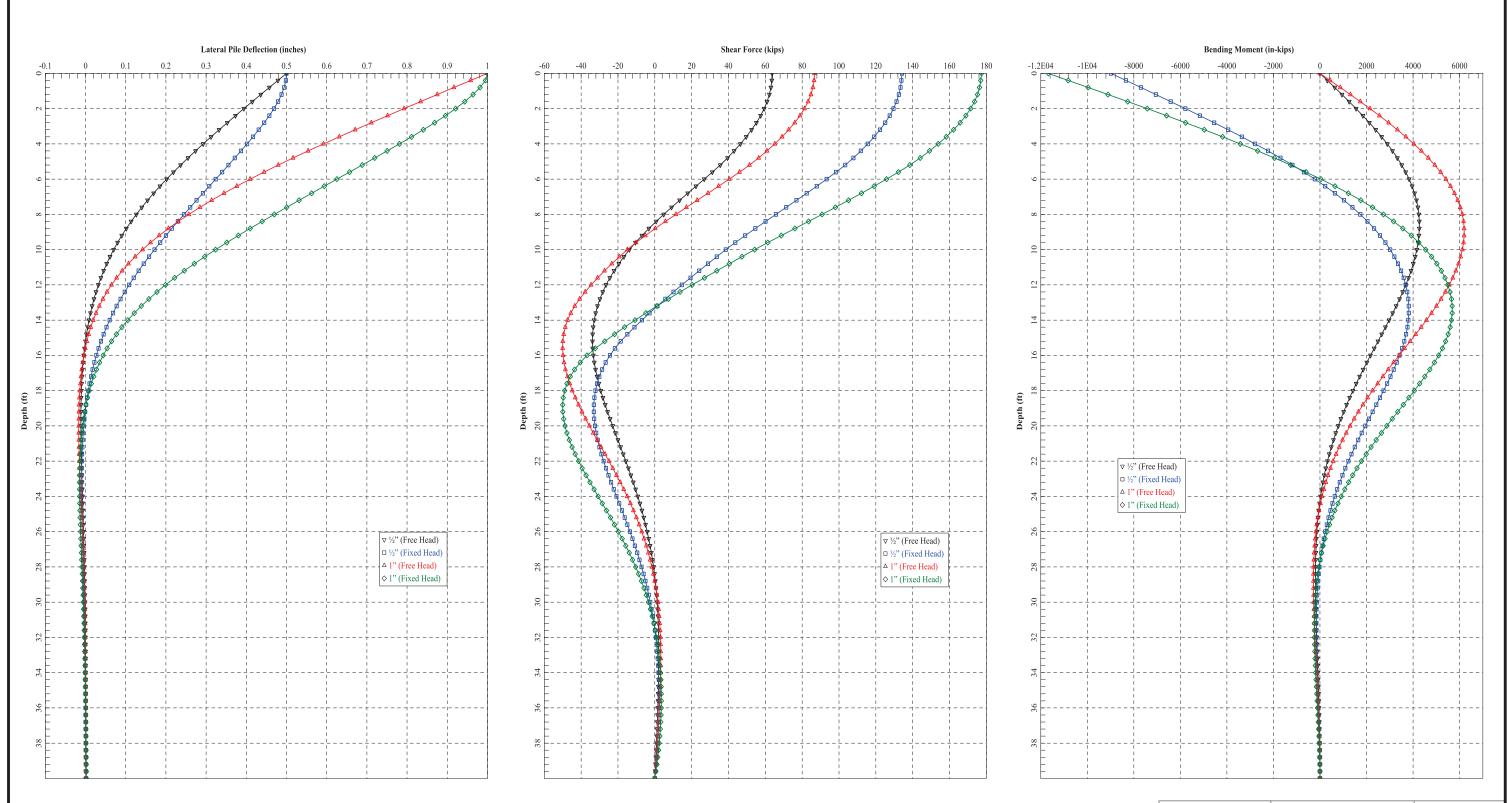
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LATERAL PILE CAPACITY (GARAGE SITE - NORTH)



- 1) The approximate lateral response of a single 30-inch diameter, 40-foot long pile is shown in the deflection, shear and moment diagrams provided above.
- 2) The analyses assume at least 10-foot embedment into dense Old Alluvium, with 4,000 psi concrete strength and (6) No. 14 transverse bars (Grade 60).



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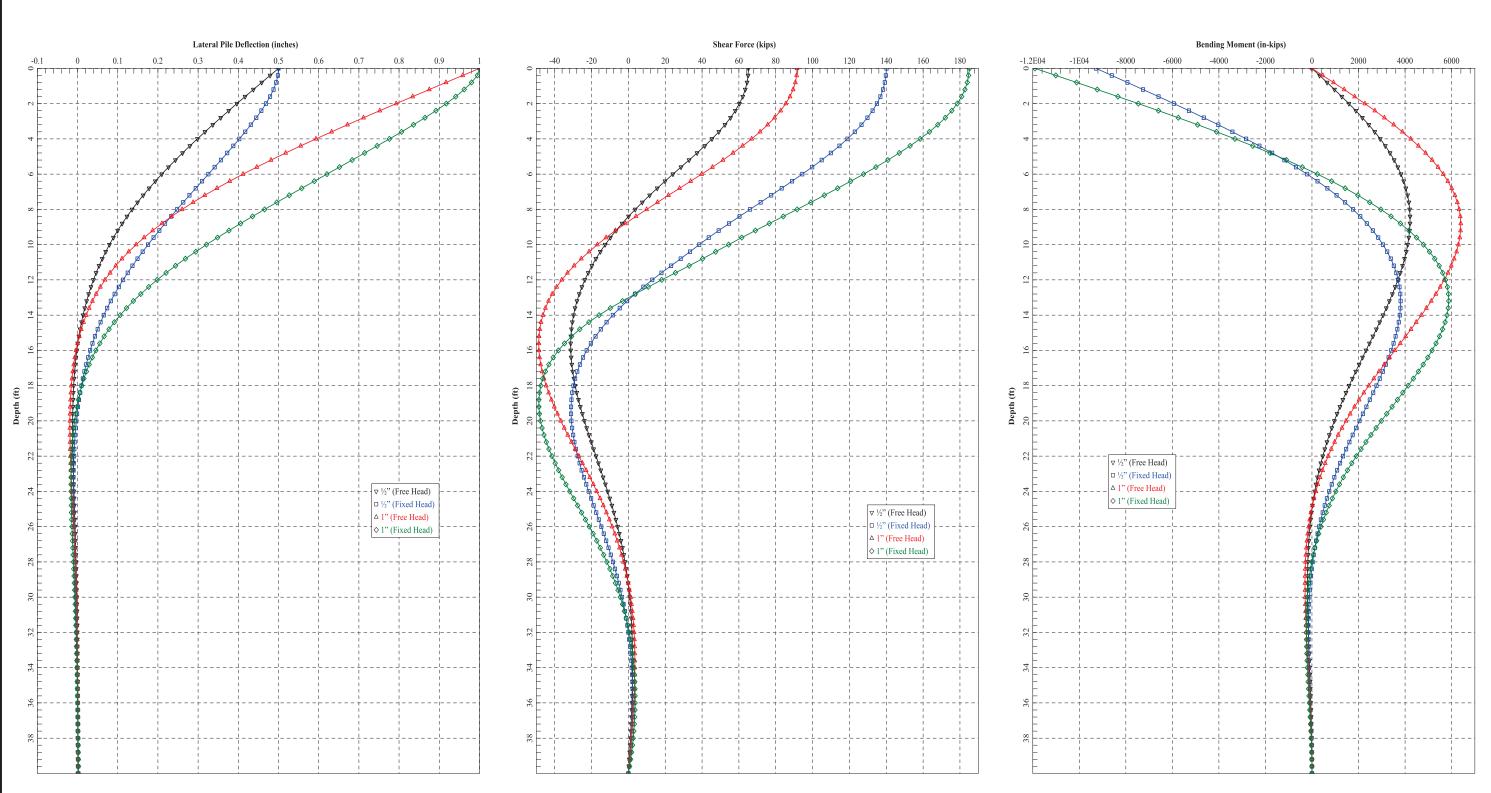
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FIGURE NUMBER

LATERAL PILE CAPACITY (GARAGE SITE - SOUTH)



- 1) The approximate lateral response of a single 30-inch diameter, 40-foot long pile is shown in the deflection, shear and moment diagrams provided above.
- 2) The analyses assume at least 10-foot embedment into dense Old Alluvium, with 4,000 psi concrete strength and (6) No. 14 transverse bars (Grade 60).

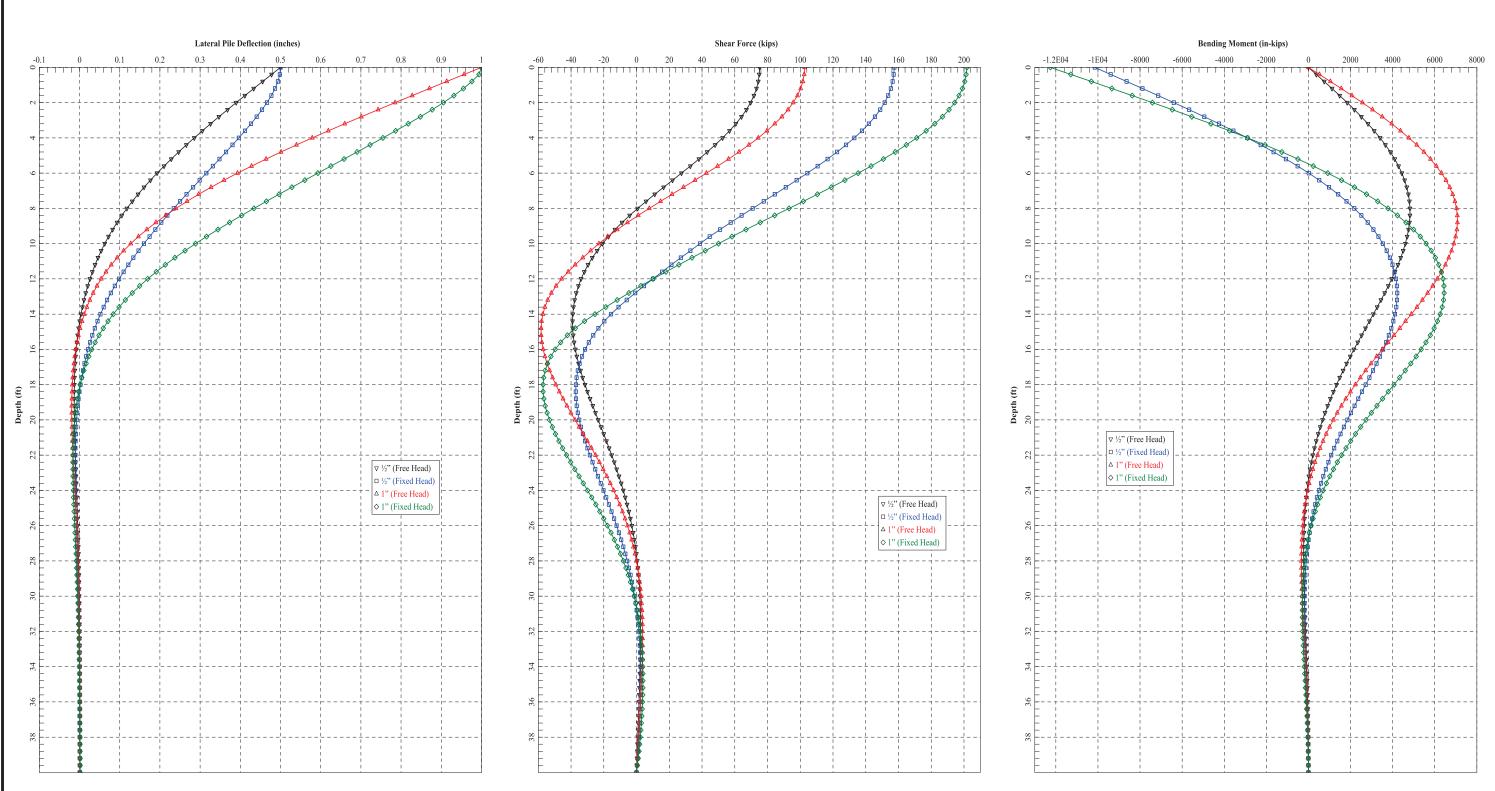


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FIGURE NUMBER

LATERAL PILE CAPACITY (TOWER SITE - WEST)



- 1) The approximate lateral response of a single 30-inch diameter, 40-foot long pile is shown in the deflection, shear and moment diagrams provided above.
- 2) These analyses assume the eastern Tower piles are completely embedded within dense Old Alluvium, with a pile cut-off below Elevation 810 feet (MSL).



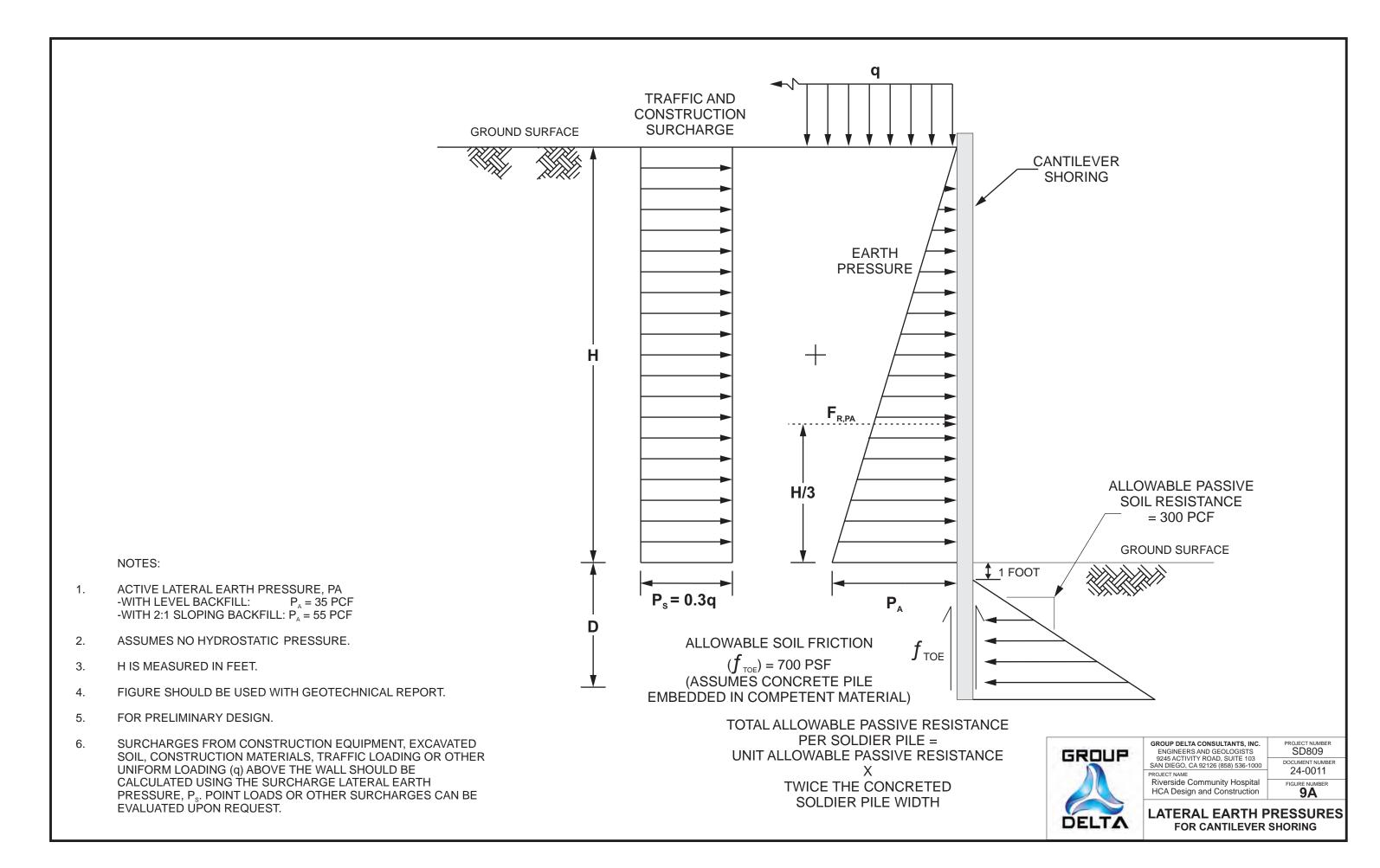
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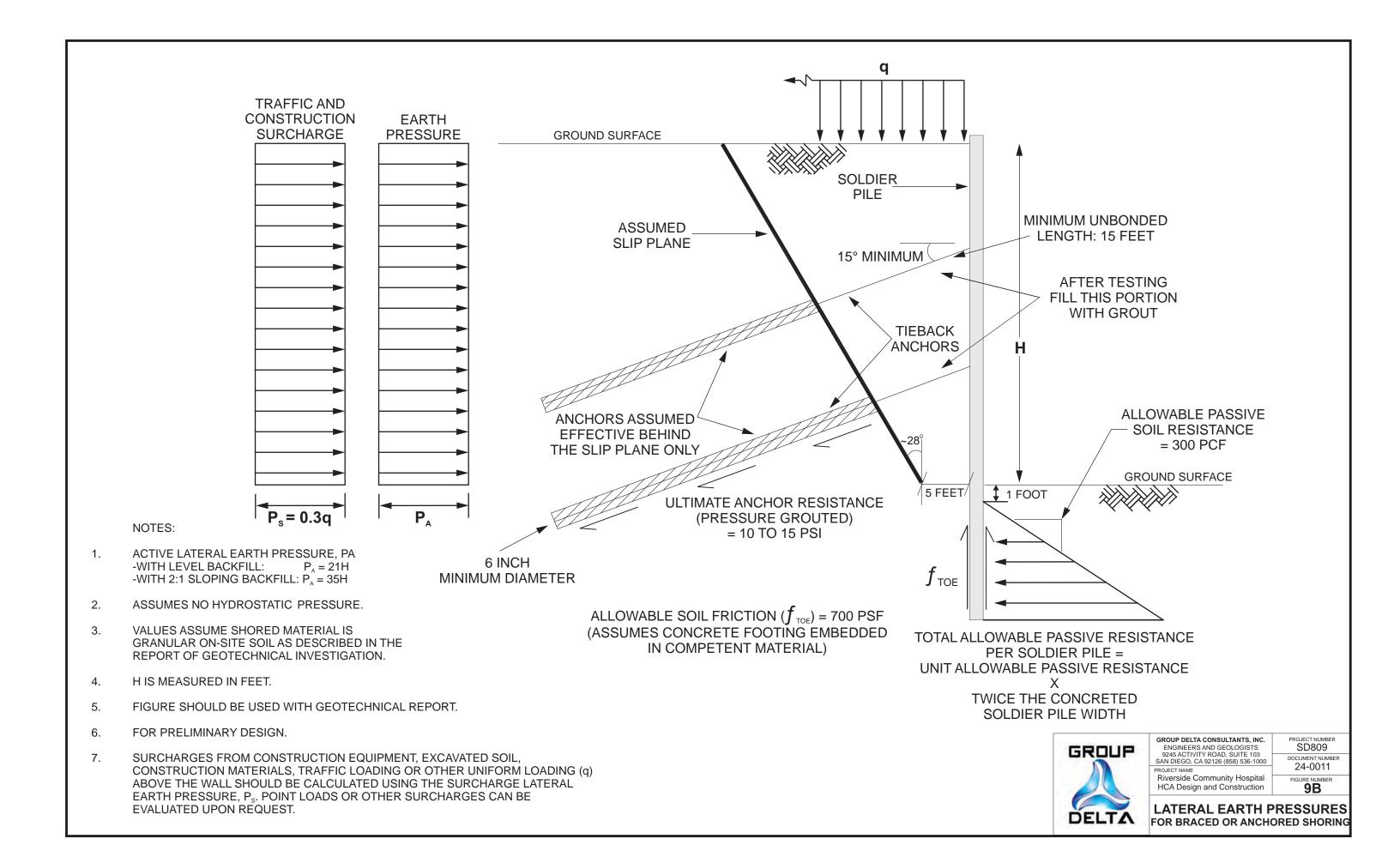
PROJECT NAME
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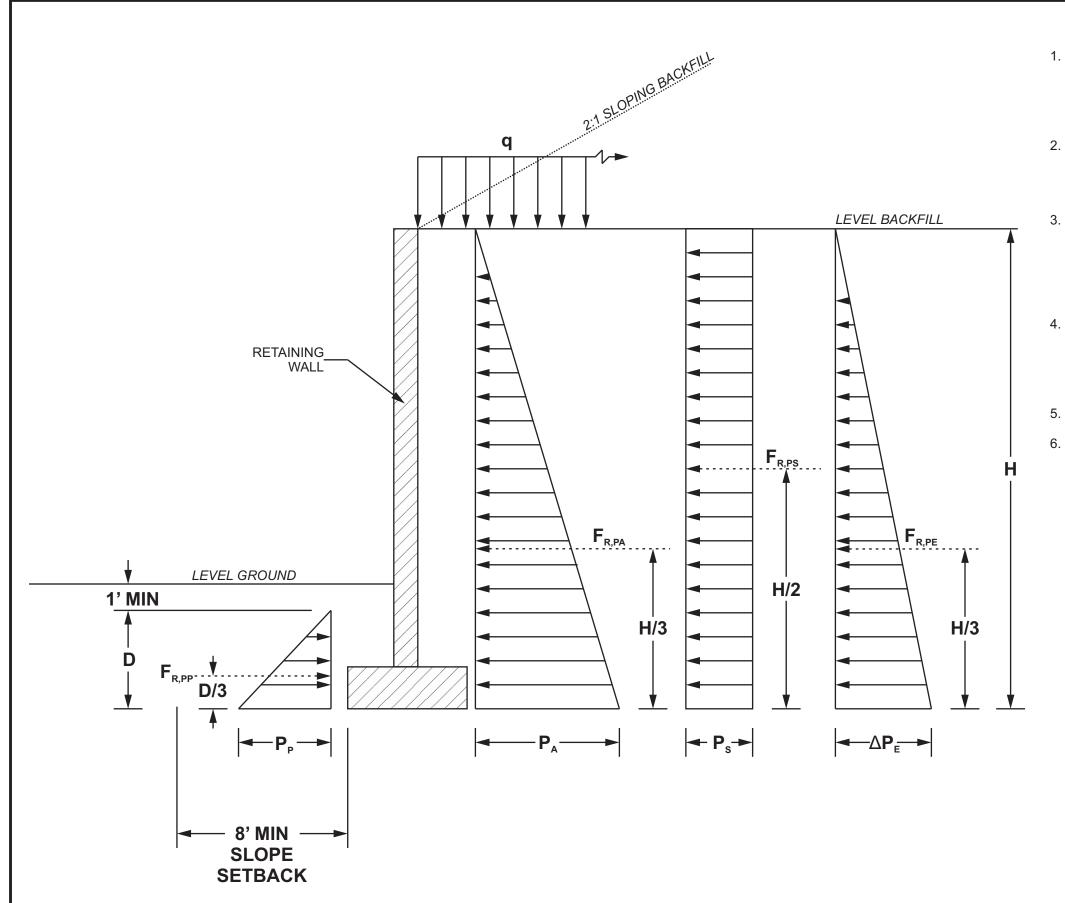
PROJECT NUMBER SD809

DOCUMENT NUMBER 24-0011

LATERAL PILE CAPACITY (TOWER SITE - EAST)







- 1. PASSIVE PRESSURES MAY BE INCREASED BY ⅓
  DURING SEISMIC LOADING. THE UPPER 12 INCHES
  OF MATERIAL NOT PROTECTED BY CONCRETE SLABS
  OR PAVEMENTS SHOULD NOT BE INCLUDED IN THE
  ESTIMATION OF PASSIVE RESISTANCE.
- 2. ASSUMES NO HYDROSTATIC PRESSURE. A WALL BACK DRAIN SHOULD BE INSTALLED AS RECOMMENDED IN THE WALL DRAINAGE DETAIL FIGURE.
- 3. SURCHARGES FROM CONSTRUCTION EQUIPMENT, EXCAVATED SOIL, TRAFFIC LOADING OR OTHER UNIFORM LOADING ABOVE THE WALL SHOULD BE CALCULATED USING THE SURCHARGE LATERAL EARTH PRESSURE, P<sub>S</sub>. POINT LOADS OR OTHER SURCHARGES CAN BE EVALUATED UPON REQUEST.
- 4. SEISMIC INCREMENT LATERAL EARTH PRESSURE  $(\Delta P_{\rm E})$  IS BASED ON A DESIGN-LEVEL PEAK GROUND ACCELERATION OF 0.41g. SEISMIC INCREMENT SHOULD BE APPLIED TO WALLS SIX FEET OR GREATER IN HEIGHT.
- 5. 'H'AND 'D'ARE MEASURED IN FEET.
- 6. PRESSURES ASSUME GRANULAR AND
  NON-EXPANSIVE SOIL MATERIALS COMPACTED AS
  RECOMMENDED IN THE GEOTECHNICAL REPORT.

### **LATERAL EARTH PRESSURES**

| LATERAL EARTH<br>PRESSURE TYPE          | EQUIVALENT FLUID PRESSURE (PCF) |                      |
|---|---------------------------------|----------------------|
| ACTIVE, P <sub>A</sub>                  | LEVEL BACKFILL                  | 2:1 SLOPING BACKFILL |
| COMPACTED FILL                          | 35                              | 55                   |
| SEISMIC<br>INCREMENT, ΔP <sub>E</sub> * | 23                              |                      |
| PASSIVE, P,**                           | 300                             |                      |
| SURCHARGE, P <sub>s</sub>               |                                 | 0.3q                 |

\*SEISMIC PRESSURE,  $P_{AE} = P_A + \Delta P_E$ \*\*PASSIVE RESISTANCE VERSUS D

<sup>\*\*</sup>PASSIVE RESISTANCE VERSUS DISPLACEMENT CURVES CAN BE PROVIDED UPON REQUEST.

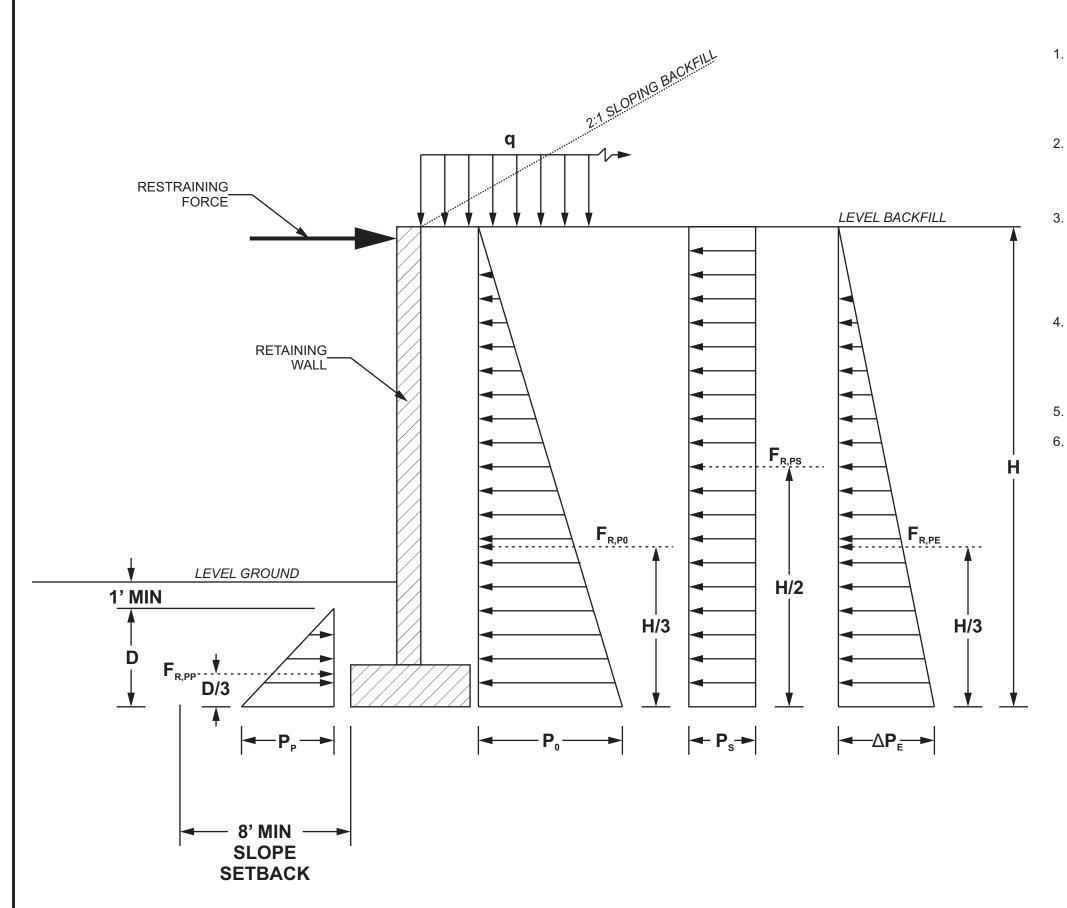


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FIGURE NUMBER

LATERAL EARTH PRESSURES FOR YIELDING RETAINING WALLS



- 1. PASSIVE PRESSURES MAY BE INCREASED BY ⅓
  DURING SEISMIC LOADING. THE UPPER 12 INCHES
  OF MATERIAL NOT PROTECTED BY CONCRETE SLABS
  OR PAVEMENTS SHOULD NOT BE INCLUDED IN THE
  ESTIMATION OF PASSIVE RESISTANCE.
- 2. ASSUMES NO HYDROSTATIC PRESSURE. A WALL BACK DRAIN SHOULD BE INSTALLED AS RECOMMENDED IN THE WALL DRAINAGE DETAIL FIGURE.
- 3. SURCHARGES FROM CONSTRUCTION EQUIPMENT, EXCAVATED SOIL, TRAFFIC LOADING OR OTHER UNIFORM LOADING ABOVE THE WALL SHOULD BE CALCULATED USING THE SURCHARGE LATERAL EARTH PRESSURE, P<sub>S</sub>. POINT LOADS OR OTHER SURCHARGES CAN BE EVALUATED UPON REQUEST.
- 4. SEISMIC INCREMENT LATERAL EARTH PRESSURE  $(\Delta P_{\rm E})$  IS BASED ON A DESIGN-LEVEL PEAK GROUND ACCELERATION OF 0.41g. SEISMIC INCREMENT SHOULD BE APPLIED TO WALLS SIX FEET OR GREATER IN HEIGHT.
- 5. 'H'AND 'D'ARE MEASURED IN FEET.
- 6. PRESSURES ASSUME GRANULAR AND
  NON-EXPANSIVE SOIL MATERIALS COMPACTED AS
  RECOMMENDED IN THE GEOTECHNICAL REPORT.

### **LATERAL EARTH PRESSURES**

| LATERAL EARTH<br>PRESSURE TYPE          | EQUIVALENT FLUID PRESSURE (PCF) |                      |
|---|---------------------------------|----------------------|
| AT-REST, P <sub>o</sub>                 | LEVEL BACKFILL                  | 2:1 SLOPING BACKFILL |
| COMPACTED FILL                          | 60                              | 90                   |
| SEISMIC<br>INCREMENT, ΔP <sub>E</sub> * | (SEE FIGURE 9C)                 |                      |
| PASSIVE, Pp**                           | 300                             |                      |
| SURCHARGE, P <sub>s</sub>               |                                 | 0.5q                 |

\*SEISMIC PRESSURE,  $P_{AE} = P_A + \Delta P_E$  (SEE FIGURE 9C)
\*\*PASSIVE RESISTANCE VERSUS DISPLACEMENT CURVES CAN BE PROVIDED UPON REQUEST.



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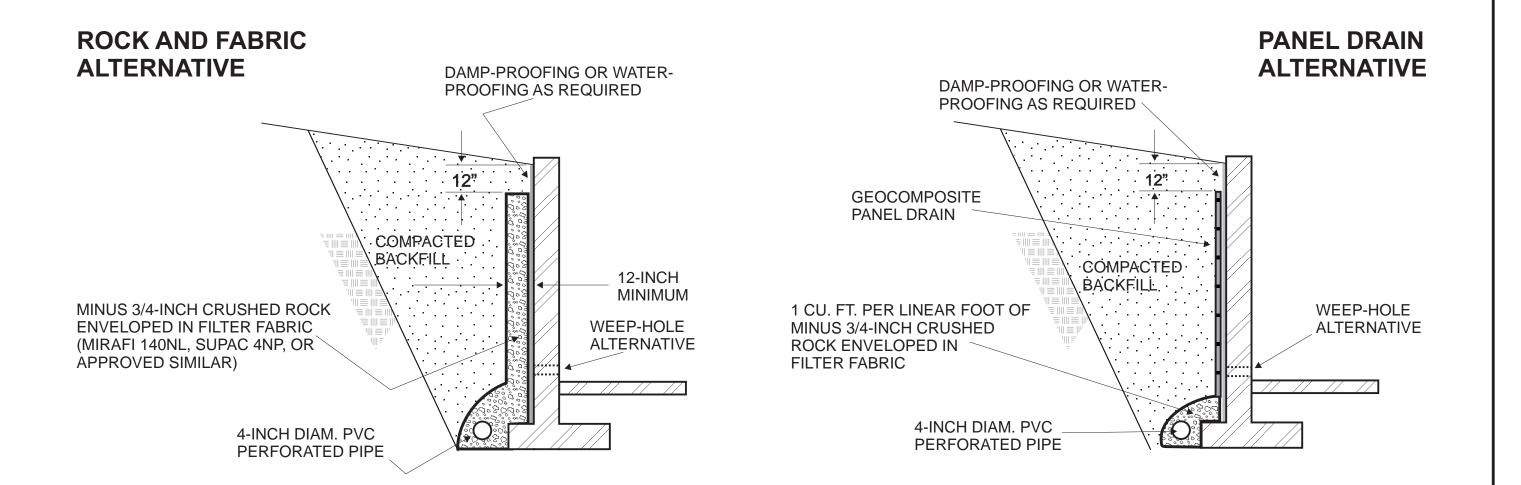
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DOCUMENT NUMBER 24-0011

FIGURE NUMBER

LATERAL EARTH PRESSURES FOR BRACED RETAINING WALLS



- 1) Perforated pipe should outlet through a solid pipe to a free gravity outfall. Perforated pipe and outlet pipe should have a fall of at least 1%.
- 2) As an alternative to the perforated pipe and outlet, weep-holes may be constructed. Weep-holes should be at least 2 inches in diameter, spaced no greater than 8 feet, and be located just above grade at the bottom of wall.
- 3) Filter fabric should consist of Mirafi 140N, Supac 5NP, Amoco 4599, or similar approved fabric. Filter fabric should be overlapped at least 6-inches.
- 4) Geocomposite panel drain should consist of Miradrain 6000, J-DRain 400, Supac DS-15, or approved similar product.



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FIGURE NUMBER

WALL DRAINAGE DETAILS

# APPENDIX A FIELD EXPLORATION

#### **APPENDIX A**

### FIELD EXPLORATION

The field exploration program included a geologic reconnaissance of the site, the advancement of 5 cone penetrometer test (CPT) soundings, the drilling of 10 exploratory borings, and borehole percolation testing at 12 locations. The subsurface explorations and field infiltration tests were completed between March 22<sup>nd</sup> and April 5<sup>th</sup>, 2024. The CPT soundings were advanced by Kehoe Testing and Engineering. The exploratory borings were advanced by Yellow Jacket Drilling. The infiltration tests were completed by Group Delta personnel using a hand auger. The exploration locations are shown on the Exploration Plans, Figures 3A to 3C. The CPT data and interpreted soil profiles are presented in Figures A-1 to A-5. Boring Records are provided in Figures A-6 to A-15. The field infiltration test results are discussed in the text of this report and presented in detail in the figures of Appendix D. The subsurface explorations are summarized in the table below.

| Exploration ID | Exploration Date | Latitude   | Longitude    | Ground Surface<br>Elevation [FT] | Exploration<br>Depth [FT] | Figure<br>No. |
|----------------|------------------|------------|--------------|----------------------------------|---------------------------|---------------|
| CPT-1          | 03/22/24         | 33.977986° | -117.382803° | 800                              | 34.0                      | A-1           |
| CPT-2          | 03/22/24         | 33.977770° | -117.383393° | 796                              | 37.5                      | A-2           |
| CPT-3          | 03/22/24         | 33.977144° | -117.383833° | 793                              | 20.7                      | A-3           |
| CPT-4          | 03/22/24         | 33.976485° | -117.383034° | 794                              | 25.0                      | A-4           |
| CPT-5          | 03/22/24         | 33.976042° | -117.381919° | 839                              | 54.7                      | A-5           |
|                |                  |            | I            |                                  | 1                         |               |
| B-01           | 04/04/24         | 33.978130° | -117.383124° | 800                              | 36½                       | A-6           |
| B-02           | 04/01/24         | 33.977907° | -117.383271° | 798                              | 51½                       | A-7           |
| B-03           | 04/02/24         | 33.977754° | -117.382979° | 798                              | 36½                       | A-8           |
| B-04           | 04/04/24         | 33.977536° | -117.383915° | 794                              | 31                        | A-9           |
| B-05           | 04/04/24         | 33.977440° | -117.383294° | 796                              | 31½                       | A-10          |
| B-06           | 04/03/24         | 33.977308° | -117.384145° | 794                              | 31½                       | A-11          |
| B-07           | 04/04/24         | 33.976992° | -117.383266° | 794                              | 28                        | A-12          |
| B-08           | 04/01/24         | 33.976503° | -117.383073° | 794                              | 30                        | A-13          |
| B-09           | 04/05/24         | 33.976063° | -117.382178° | 832                              | 31½                       | A-14          |
| B-10           | 04/02/24         | 33.976190° | -117.381820° | 838                              | 51½                       | A-15          |

The 10 CPT soundings were advanced by Kehoe Testing and Engineering in general accordance with ASTM D5778 using a 30-ton truck mounted rig with a 15 cm² cone. Integrated electronic circuitry was used to measure the tip resistance (Qc) and skin friction (Fs) at one-inch intervals while the CPT was advanced into the soil using hydraulic down pressure. Note that each of the CPT soundings was pushed to practical refusal, as indicated by a CPT tip resistance in excess of 700 tons per square foot (TSF). A piezometer located behind the cone tip also measured transient pore pressure (u). The CPT data was used to characterize the soil profile are based on normalized cone resistance and friction ratio interpretations (Robertson, 2010). The first figure for each CPT sounding presents both the raw CPT data and the interpreted soil profile (Figures A-1a to A-5a). The raw CPT data is also shown in more detail in the following Figures A-1b to A-5b for each CPT sounding.



### **APPENDIX A**

### FIELD EXPLORATION (Continued)

At the location of soundings CPT-1, CPT-2 and CPT-5, shear wave velocity measurements were collected at 5-foot depth intervals using an air actuated hammer located inside the front jack of the rig. The interval shear wave data measured in each of these three CPT soundings is attached immediately after the interpreted soil parameters. The average shear wave velocity measured within the upper 34 to 35 feet (Vs<sub>d</sub>) at the location of CPT-1 and CPT-2 was 876 to 899 ft/s. If we assume a uniform shear wave velocity of 1,940 ft/s for the Old Alluvium below that depth based on the lower bound of the shear wave velocity measurements conducted by others, the average shear wave velocity for the upper 100 feet of the soil profile (Vs<sub>30</sub>) for the Garage site would be about 1,390 ft/s (CHJ, 2007). This correlates to a 2022 CBC Site Class C for the proposed Garage site.

The average shear wave velocity measured within the upper 55 feet ( $V_{Sd}$ ) of the compacted fill and Old Alluvium along the east end of Tower Site in CPT-5 was 1,390 ft/s. If we again assume a shear wave velocity of 1,940 ft/s for the Old Alluvium below that depth, the average shear wave velocity for the upper 100 feet of the soil profile ( $V_{S30}$ ) at the east end of the Tower site is estimated at 1,600 ft/s (CHJ, 2007). This also corresponds to a 2022 CBC Site Class C for the proposed Tower site.

The exploratory borings were advanced by Yellow Jacket Drilling using their CME 75 limited access track mounted rig, and their CME 85 truck mounted rig. Disturbed soil samples were collected from the exploratory borings using a 2-inch outside diameter Standard Penetration Test (SPT) sampler. Less disturbed samples were collected using a 3-inch outside diameter ring lined sampler (a modified California sampler). Automatic hammers with calibrated Energy Transfer Ratios (ETR) ranging from approximately 74 to 80 percent were used to collect all of the drive samples. For each sample, the number of blows needed to drive the sampler 12 inches was recorded on the logs. The field blow counts (N) were normalized to approximate a standard 60 percent ETR as shown on the logs ( $N_{60}$ ). Bulk samples were also collected from the explorations at selected intervals.

The field exploration locations were determined by visually estimating, pacing and taping distances from landmarks shown on the Exploration Plans, Figures 3A to 3C. The locations shown should not be considered more accurate than is implied by the method of measurement used and the scale of the map. The lines designating the interface between differing soil materials on the logs may be abrupt or gradational. Further, soil conditions at locations between the excavations may be substantially different from those at the specific locations we explored. It should be noted that the passage of time may also result in changes in the soil conditions reported in the logs.

Logs for several previous field explorations completed by others are also included in Appendix A1 for reference. These logs include Borings B-1, B-2, B-6, B-7, B-8 and B-9 as well as CPT-1 to CPT-6 at the proposed Tower site (CHJ, 2008). Borings B-1 and B-2 are also included from a previous investigation for the MOB located along the southern edge of the Garage site (CHJ, 2012). The approximate locations of the relevant previous explorations are shown in Figures 3B and 3C.



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### SOIL IDENTIFICATION AND DESCRIPTION SEQUENCE

| Sequence |   |        | er to<br>tion | ired     | nal   |
|----------|---|--------|---------------|----------|-------|
| Sedu     | Identification<br>Components                | Field  | Lab           | Required | Optic |
| 1        | Group Name                                  | 2.5.2  | 3.2.2         | •        | 0     |
| 2        | Group Symbol                                | 2.5.2  | 3.2.2         | •        |       |
|          | Description<br>Components                   |        |               |          |       |
| 3        | Consistency of Cohesive Soil                | 2.5.3  | 3.2.3         | •        |       |
| 4        | Apparent Density<br>of Cohesionless<br>Soil | 2.5.4  |               | •        |       |
| 5        | Color                                       | 2.5.5  |               | •        |       |
| 6        | Moisture                                    | 2.5.6  |               | •        |       |
|          | Percent of<br>Proportion of Soil            | 2.5.7  | 3.2.4         | •        | •     |
| 7        | Particle Size                               | 2.5.8  | 2.5.8         | •        | •     |
|          | Particle Angularity                         | 2.5.9  |               |          | 0     |
|          | Particle Shape                              | 2.5.10 |               |          | 0     |
| 8        | Plasticity (for fine-grained soil)          | 2.5.11 | 3.2.5         |          | 0     |
| 9        | Dry Strength (for fine-grained soil)        | 2.5.12 |               |          | 0     |
| 10       | Dilatency (for fine-grained soil)           | 2.5.13 |               |          | 0     |
| 11       | Toughness (for fine-grained soil)           | 2.5.14 |               |          | 0     |
| 12       | Structure                                   | 2.5.15 |               |          | 0     |
| 13       | Cementation                                 | 2.5.16 |               | •        |       |
| 14       | Percent of Cobbles and Boulders             | 2.5.17 |               | •        |       |
| 14       | Description of Cobbles and Boulders         | 2.5.18 |               | •        |       |
| 15       | Consistency Field<br>Test Result            | 2.5.3  |               | •        |       |
| 16       | Additional Comments                         | 2.5.19 |               |          | 0     |

### **Minimum Required Sequence:**

USCS Group Name (Group Symbol); Consistency or Density; Color; Moisture; Percent of Proportion of Soil; Particle Size; Plasticity (optional).

= optional for non-Caltrans projects

### Where applicable:

Cementation; % cobbles & boulders; Description of cobbles & boulders; Consistency field test result

### **EXPLORATION IDENTIFICATION**

Explorations are identified using the following convention

H-YY-NNN

Where:

H: Exploration type code

YY: 2-digit year (where utilized)

NNN: Exploration number

### **Hole Type Code and Description**

| Hole Type<br>Code | Description  |
|-------------------|--|
| А                 | Auger Boring (Hollow or solid stem bucket)                   |
| BA                | Bucket Auger   |
| CPT               | Cone Penetration Test  |
| D                 | Driven (dynamic cone penetrometer)                           |
| НА                | Hand Auger   |
| HD                | Hand driven (1-inch soil tube)                               |
| 0                 | Other (note on LOTB)   |
| Р                 | Rotary Percussion Boring (Alr)                               |
| R                 | Rotary drilled boring (Conventional)                         |
| 1 107             | Rotary core (self-cased wire-line, continuosly sampled)      |
| 1 B/W             | Rotary cored (self cased wire-line, not continuosly sampled) |
| TP                | Test Pit   |

### **Description Sequence Examples:**

SANDY lean CLAY (CL); very stiff; yellowish brown; moist; mostly fines; some SAND, from fine to medium; few gravels; medium plasticity; PP=2,75.

Well-graded SAND with SILT and GRAVEL and COBBLES (SW-SM); dense; brown; moist; mostly SAND, from fine to coarse; some fine GRAVEL; few fines; weak cementation; 10% GRANITE COBBLES; 3 to 6 inches; hard, subrounded.

Clayey SAND (SC) medium dense, light brown; wet; mostly fine sand; little fines; low plasticity.



EXPLORATION RECORD LEGEND #1

REFERENCE: Caltrans Soil and Rock Logging, Classification, and Presentation Manual (2010).

| С  | Consolidation (ASTM D 2435)  |
|----|--|
| CL | Collapse Potential (ASTM D 4546)   |
| СР | Compaction Curve (CTM 216)   |
| CR | Corrosion, Sulfates, Chlorides (CTM 643; CTM 417 CTM 422)                                  |
| CU | Consolidated Undrained Triaxial (ASTM D 4767)  |
| DS | Direct Shear (ASTM D 3080)   |
| EI | Expansion Index (ASTM D 4829)  |
| М  | Moisture Content (ASTM D 2216)   |
| OC | Organic Content (ASTM D 2974)  |
| Р  | Permeability (CTM 220)   |
| PA | Particle Size Analysis (ASTM D 6913,<br>ASTM D 7928)                                       |
| Pl | Liquid Limit, Plastic Limit, Plasticity Index<br>(AASHTO T 89, AASHTO T 90)                |
| PL | Point Load Index (ASTM D 5731)   |
| PM | Pressure Meter   |
| R  | R-Value (CTM 301)  |
| SE | Sand Equivalent (CTM 217)  |
| SG | Specific Gravity (AASHTO T 100)  |
| SL | Shrinkage Limit (ASTM D 427)   |
| SW | Swell Potential (ASTM D 4546)  |
| UC | Unconfined Compression - Soil (ASTM D 2166)<br>Unconfined Compression - Rock (ASTM D 2938) |
| UU | Unconsolidated Undrained Triaxial (ASTM D 2850)  |
| UW | Unit Weight (ASTM D 2937)  |
| WA | Percent passing the No. 200 Sieve (ASTM D 1140)  |

|     | SAMPLER GRAI            | PHIC SYMBOLS          |
|-----|-------------------------|-----------------------|
|     |                         |                       |
|     | Standard Penetration Te | est (SPT)             |
| X   | Modified California Sam | pler (2.4" ID, 3" OD) |
|     | Shelby Tube             | Piston Sampler        |
|     | NX Rock Core            | HQ Rock Core          |
| *** | Bulk Sampler            | Other (see remarks)   |

|                | DRILLING M      | 1ETHOD SYMBOLS                 |              |
|----------------|-----------------|--------------------------------|--------------|
| Auger Drilling | Rotary Drilling | Dynamic Cone or<br>Hand Driven | Diamond Core |

| Term                              | Definition   | Symbol |
|-----------------------------------|--|--------|
| Unit<br>Change                    | Change in geoilogic unit                           |        |
| Material<br>Change<br>Within Unit | Change of soil classification within geologic unit |        |

WATER LEVEL SYMBOLS

▼ Static Water Level Reading

REFERENCE: Caltrans Soil and Rock Logging, Classification, and Presentation Manual (2010).



| APPARENT D   | APPARENT DENSITY OF COHESIONLESS SOILS  |  |  |
|--------------|---|--|--|
| Description  | SPT N <sub>60</sub> (blows / 12 inches) |  |  |
| Very Loose   | 0 - 4                                   |  |  |
| Loose        | 5 - 9                                   |  |  |
| Medium Dense | 10 - 29                                 |  |  |
| Dense        | 30 -50                                  |  |  |
| Very Dense   | Greater than 50                         |  |  |

| PERCENT OR PROPORTION OF SOILS |  |
|--------------------------------|--|
| Description                    | Criteria   |
| Trace                          | Particles are present but estimated to be less than 5% |
| Few                            | 5 - 10%  |
| Little                         | 15 - 25%   |
| Some                           | 30 - 45%   |
| Mostly                         | 50 - 100%  |

| CEMENTATION |  |
|-------------|--|
| Description | Criteria   |
| Weak        | Crumbles or breaks with handling or little finger pressure |
| Moderate    | Crumbles or breaks with considerable finger pressure       |
| Strong      | Will not crumble or break with finger pressure             |

| MOISTURE    |                                    |  |
|-------------|------------------------------------|--|
| Description | Criteria                           |  |
| Dry         | No discernable moisture            |  |
| Moist       | Moisture present but no free water |  |
| Wet         | Visible free water                 |  |

| CONSISTENCY OF COHESIVE SOILS* |   |  |
|--------------------------------|---|--|
| Description                    | SPT N <sub>60</sub> (blows / 12 inches) |  |
| Very Soft                      | 0 - 1                                   |  |
| Soft                           | 2 - 3                                   |  |
| Medium Stiff                   | 4 - 7                                   |  |
| Stiff                          | 8 - 14                                  |  |
| Very Stiff                     | 15 - 30                                 |  |
| Hard                           | Greater than 30                         |  |

\* Ref: Peck, Hansen, and Thornburn, 1974, "Foundation Engineering," Second Edition.

Note: Only to be used (with caution) when pocket penetrometer or other data on undrained shear strength are unavailable.

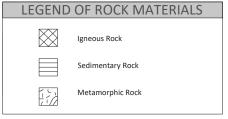
Not allowed by Caltrans Soil and Rock Logging and Classification Manual, 2010.

| PARTICLE SIZE |        |                 |  |
|---------------|--------|-----------------|--|
| Description   |        | Size (in)       |  |
| Boulder       |        | Greater than 12 |  |
| Cobble        |        | 3 - 12          |  |
| Gravel        | Coarse | 3/4 - 3         |  |
|               | Fine   | 1/5 - 3/4       |  |
| Sand          | Coarse | 1/16 -1/5       |  |
|               | Medium | 1/64 - 1/16     |  |
|               | Fine   | 1/300 - 1/64    |  |
| Silt and Clay |        | Less than 1/300 |  |

| PLASTICITY  |  |  |
|-------------|--|--|
| Description | Criteria   |  |
| Nonplastic  | A 1/8-in. thread cannot be rolled at any water content   |  |
| Low         | The thread can barely be rolled and the lump cannot be formed when drier than the plastic limit  |  |
| Medium      | The thread is easy to roll and not much time is required to reach the plastic limit. The thread cannot be rerolled after reaching the plastic limit. The lump crumbles when drier than the plastic limit                           |  |
| High        | It takes considerable time rolling and kneading to reach the plastic limit. The thread can be rerolled several times after reaching the plastic limit. The lump can be formed without crumbling when drier than the plastic limit. |  |

REFERENCE: Caltrans Soil and Rock Logging, Classification, and Presentation Manual (2010), with the exception of consistency of cohesive soils vs.  $N_{60}$ .





| BEDDING SPACING     |                     |  |  |
|---------------------|---------------------|--|--|
| Description         | Thickness / Spacing |  |  |
| Massive             | Greater than 10ft   |  |  |
| Very Thickly Bedded | 3 ft - 10 ft        |  |  |
| Thickly Bedded      | 1 ft - 3 ft         |  |  |
| Moderately Bedded   | 4 in - 1 ft         |  |  |
| Thinly Bedded       | 1 in - 4 in         |  |  |
| Very Thinly Bedded  | 1/4 in - 1 in       |  |  |
| Laminated           | Less than 1/4 in    |  |  |

|                         | WEATHERING DESCRIPTORS FOR INTACT ROCK  |   |  |   |  |   |
|-------------------------|---|---|--|---|--|---|
|                         | Diagnostic Features   |   |  |   |  |   |
| Description             | Chemical Weathering - Discoloration - Oxidation   |   | Mechanical Weathering<br>and Grain Boundary  | Texture and Leaching  |  | General Characteristics   |
|                         | Body of Rock  | Fracture Surfaces   | Conditions   | Texture   | Leaching   | General Characteristics   |
| Fresh                   | No discoloration, no oxidized   | No discoloration or oxidation   | No separation, intact (tight)  | No change   | No leaching  | Hammer rings when crystalline rocks are struck  |
| Slightly<br>Weathered   | Discoloration or oxidation is<br>limited to surface of, or short<br>distance from, fractures; some<br>feldspar crystals are dull  | Minor to complete discoloration or oxidation of most surfaces               | No visible separation, intact (tight)  | Preserved   | Minor leaching of some soluble minerals            | Hammer does not ring when rock is struck. Body of rock not weakened   |
| Moderately<br>Weathered | Discoloration or oxidation extends from fractures usually throughout; Fe-Mg minerals are "rusty"; feldspar crystals are "cloudy"  | All fracture surfaces are discolored or oxidized                            | Partial separation of boundaries visible   | Generally<br>Preserved  | Soluble minerals<br>may be mostly<br>leached       | Hammer does not ring when rock is struck. Body of rock is slightly weakened   |
| Intensely<br>Weathered  | Discoloration or oxidation throughout; all feldspars and Fe-Mg minerals are altered to clay to some extent; or chemical alteration produces in situ disaggregation, grain boundary conditions | All fracture surfaces<br>are discolored or<br>oxidized;<br>surfaces friable | Partial separation, rock is<br>friablr; in semi-arid<br>conditions, granitics are<br>disaggregated | Texture altered<br>by chemical<br>disintegration<br>(hydration,<br>argillation) | Leaching of soluble<br>minerals may be<br>complete | Dull sound when struck with hammer; usually can be broken with moderate to heavy manual pressure or by light hammer blow without reference to planes of weakness such as incipient or hairline fractures of veinlets. Rock is significantly weakened. |
| Decomposed              | Discolored of oxidized<br>throughout, but resistant<br>minerals such as quartz may be<br>unaltered; all feldspars and<br>Fe-Mg minerals are completely<br>altered to clay                     |   | Complete separation of grain boundaries (disaggregated)  |   | ning of soluble                                    | Can be granulated by hand.<br>Resistant minerals such as quartz<br>may be present as "stringers" or<br>"dikes"  |

| PERCENT CORE RECOVERY (REC)  |         |  |
|--|---------|--|
| Σ LENGTH OF THE RECOVERED CORE PIECES (IN.) TOTAL LENGTH OF CORE RUN (IN.) | _ x 100 |  |

# PERCENT CORE RECOVERY (REC) \$\sum\_{\text{LENGTH OF THE INTACT CORE PIECES \$\geq 4\$ IN.}}\$ x 100 TOTAL LENGTH OF CORE RUN (IN.) RQD\* INDICATES SOUNDNESS CRITERIA NOT MET

| ROCK HARDNESS   |   |  |
|-----------------|---|--|
| Description     | Criteria  |  |
| Extremely Hard  | Cannot be scratched with a pocketknife or sharp pick. Can only be chipped with repeated heavy hammer blows,   |  |
| Very Hard       | Cannot be scratched with a pocketknife or sharp pick. Breaks with repeated heavy hammer blows.  |  |
| Hard            | Can be scratched with a pocketknife or sharp pick with difficulty (heavy pressure). Breaks with heavy hammer blows.   |  |
| Moderately Hard | Can be scratched with a pocketknife or sharp pick with light or moderate pressure. Breaks with moderate hammer blows.   |  |
| Moderately Soft | Can be grooved 1/16 in. deep with a pocketknife or sharp pick with moderate or heavy pressure.  Breaks with light hammer blow or heavy manual pressure.             |  |
| Soft            | Can be grooved or gouged easily with a pocketknife or sharp pick with light pressure, can be scratched with fingernail. Breaks with light moderate manual pressure. |  |
| Very Soft       | Can be readily indented, grooved or gouged with fingernail, or carved with a pocketknife. Breaks with light manual pressure.  |  |

| FRACTURE DENSITY         |                                     |  |
|--------------------------|-------------------------------------|--|
| Description              | Observed Fracture Density           |  |
| Unfractured              | No fractures                        |  |
| Very Slightly Fractured  | Core lengths greater than 3 ft      |  |
| Slightly Fractured       | Core lengths mostly from 1 to 3 ft  |  |
| Moderately Fractured     | Core lengths mostly 4 in. to 1 ft.  |  |
| Intensely Fractured      | Core lengths mostly from 1 to 4 in. |  |
| Very Intensely Fractured | Mostly chips and fragments.         |  |

REFERENCE: Caltrans Soil and Rock Logging, Classification, and Presentation Manual (2010).



# A GROUP DELTA

### **Group Delta Consultants**

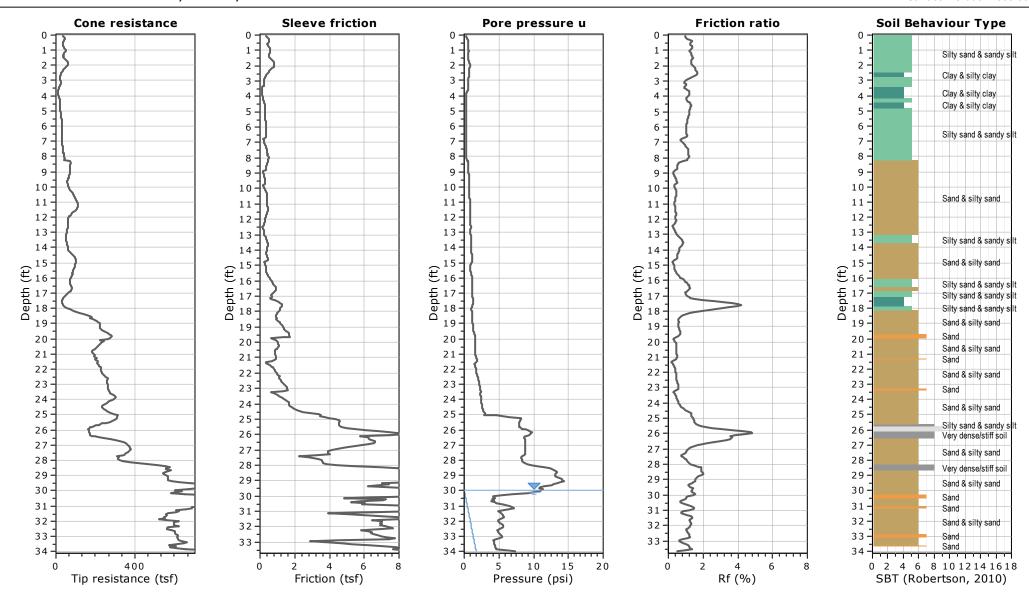
9245 Activity Road, Suite 103 San Diego, California 92126 www.GroupDelta.com

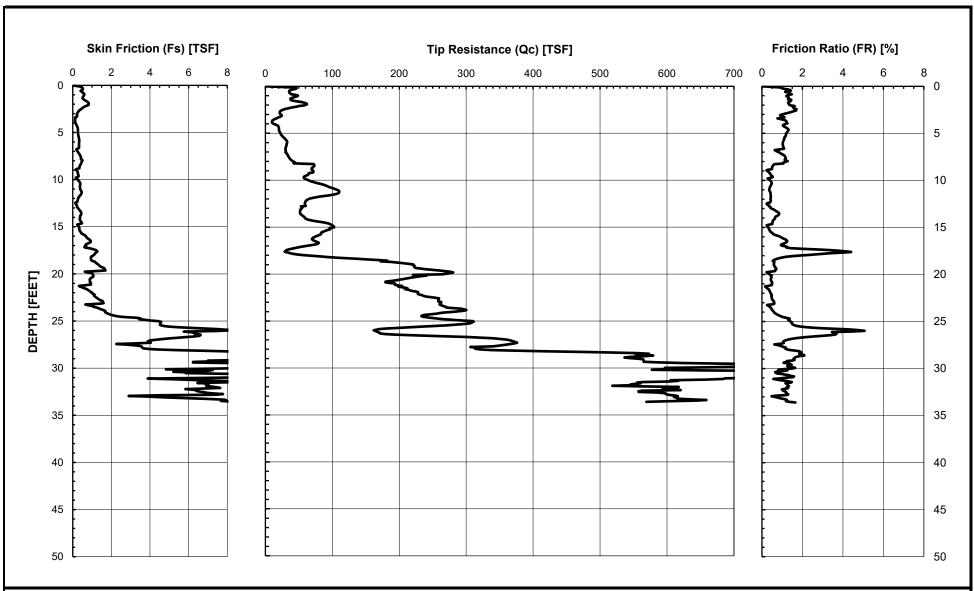
**Project: Riverside Community Hospital** 

Location: 4468 Brockton Avenue, Riverside, California 92501

**CPT-1**Total depth: 33.99 ft, Date: 3/22/2024

Surface Elevation: 800.00 ft







**CONE PENETOMETER DATA (CPT-1)** 

Document No. 24-0011 Project No. SD809 FIGURE A-1b

## A GROUP DELTA

### **Group Delta Consultants**

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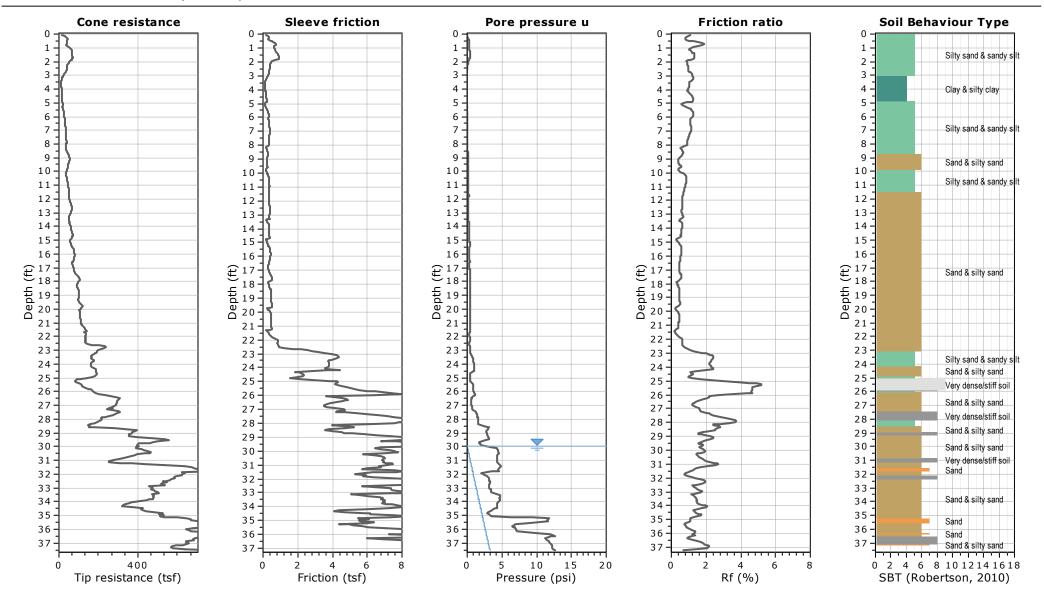
**Project: Riverside Community Hospital** 

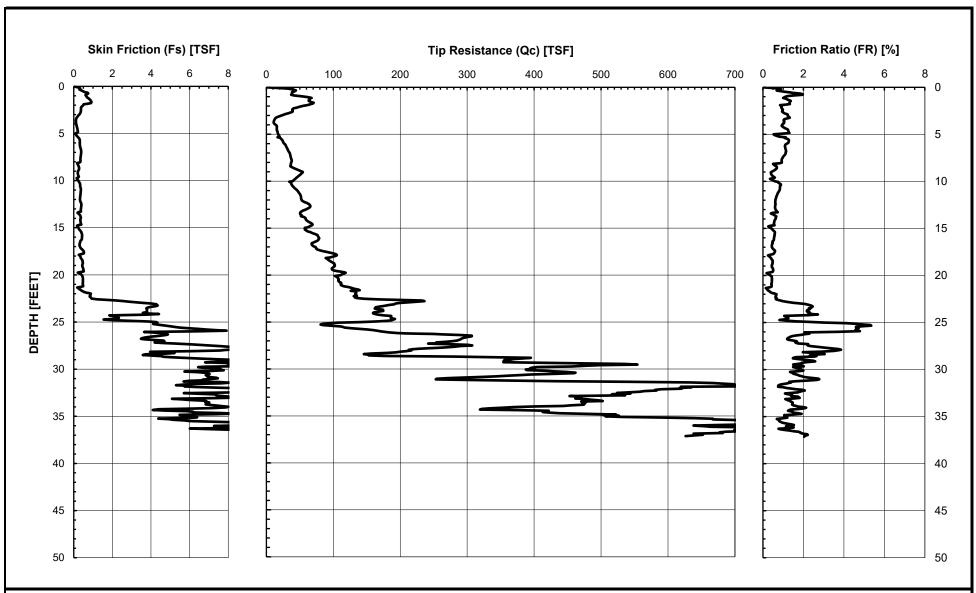
Location: 4468 Brockton Avenue, Riverside, California 92501

Total depth: 37.54 ft, Date: 3/22/2024

Surface Elevation: 796.00 ft

CPT-2







**CONE PENETOMETER DATA (CPT-2)** 

Document No. 24-0011 Project No. SD809 FIGURE A-2b



### **Group Delta Consultants**

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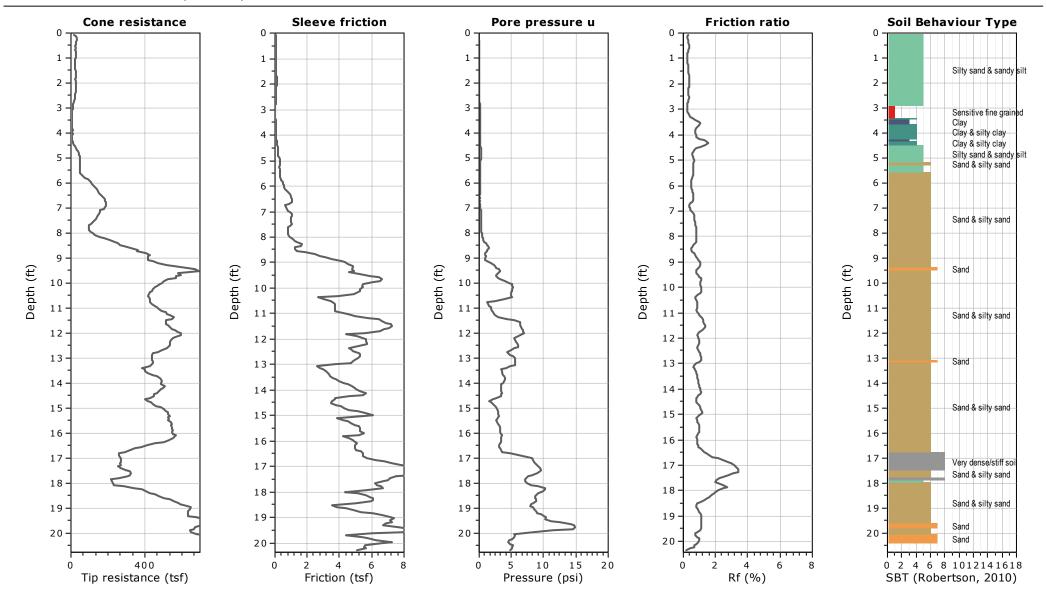
**Project: Riverside Community Hospital** 

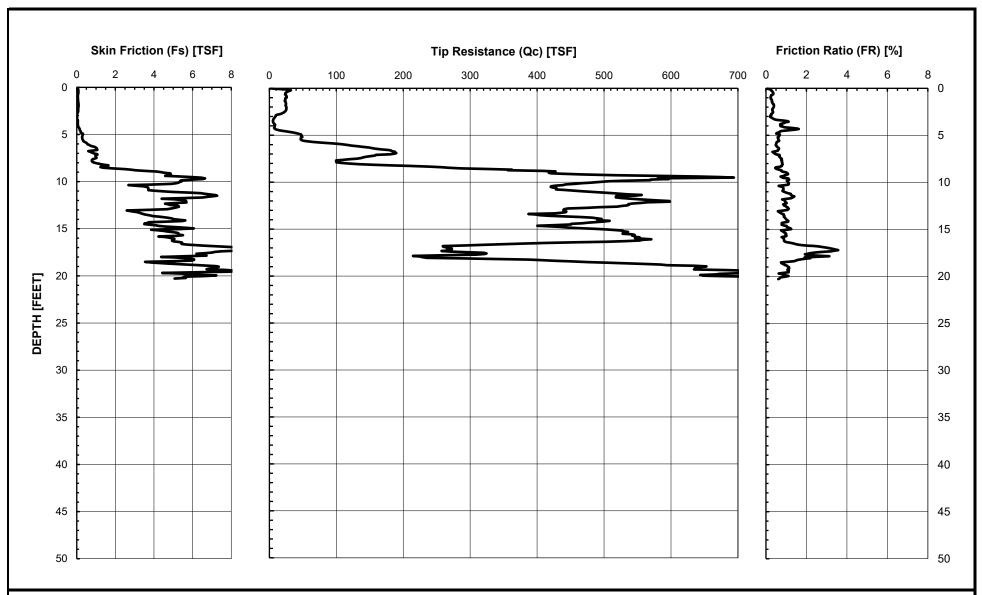
Location: 4468 Brockton Avenue, Riverside, California 92501

Total depth: 20.67 ft, Date: 3/22/2024

Surface Elevation: 793.00 ft

CPT-3







**CONE PENETOMETER DATA (CPT-3)** 

Document No. 24-0011 Project No. SD809 FIGURE A-3b



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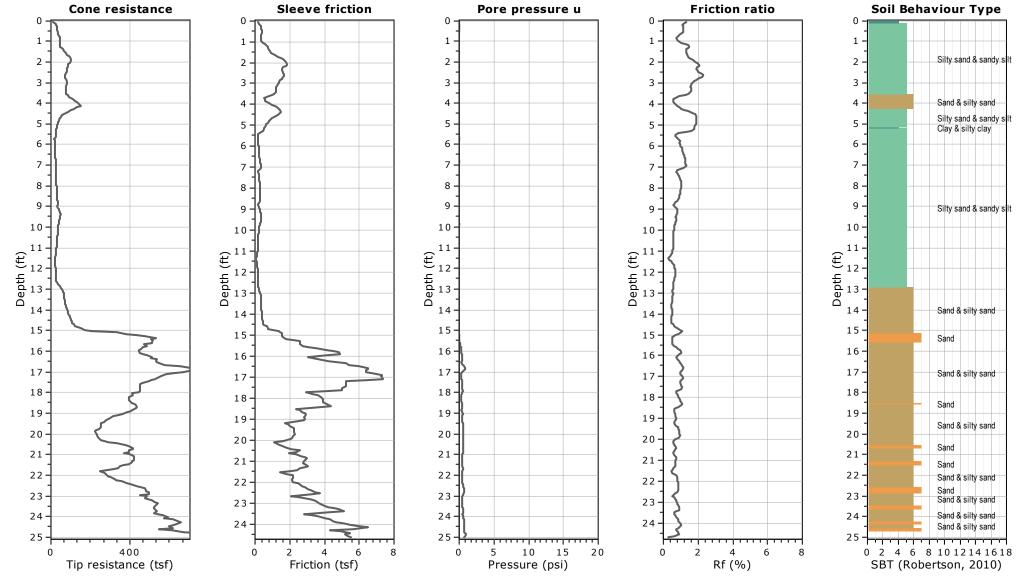
**Project: Riverside Community Hospital** 

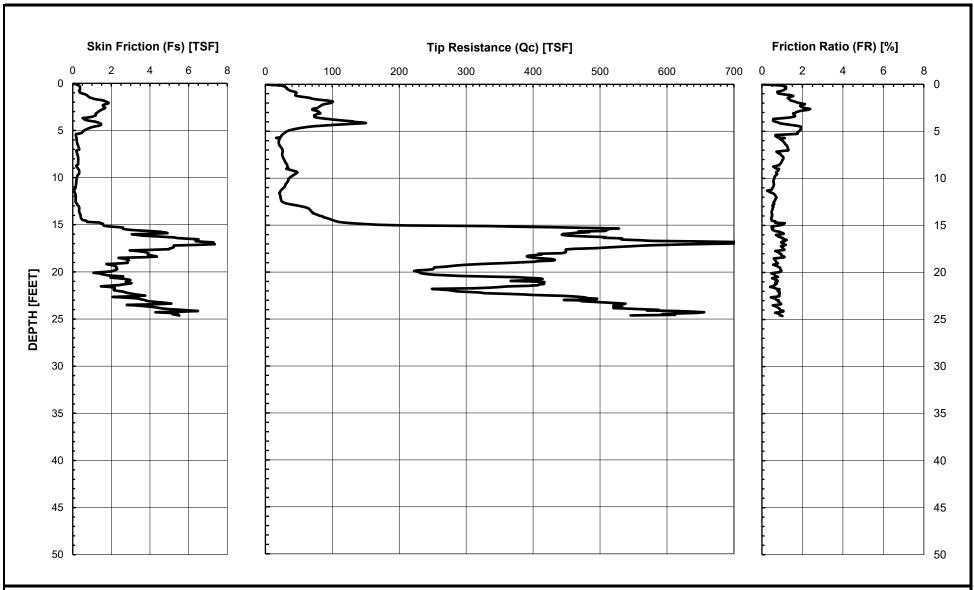
Location: 4468 Brockton Avenue, Riverside, California 92501

**CPT-4** Total depth: 25.01 ft, Date: 3/22/2024

Surface Floration: 704 00 ft







**CONE PENETOMETER DATA (CPT-4)** 

Document No. 24-0011 Project No. SD809 FIGURE A-4b



## **Group Delta Consultants**

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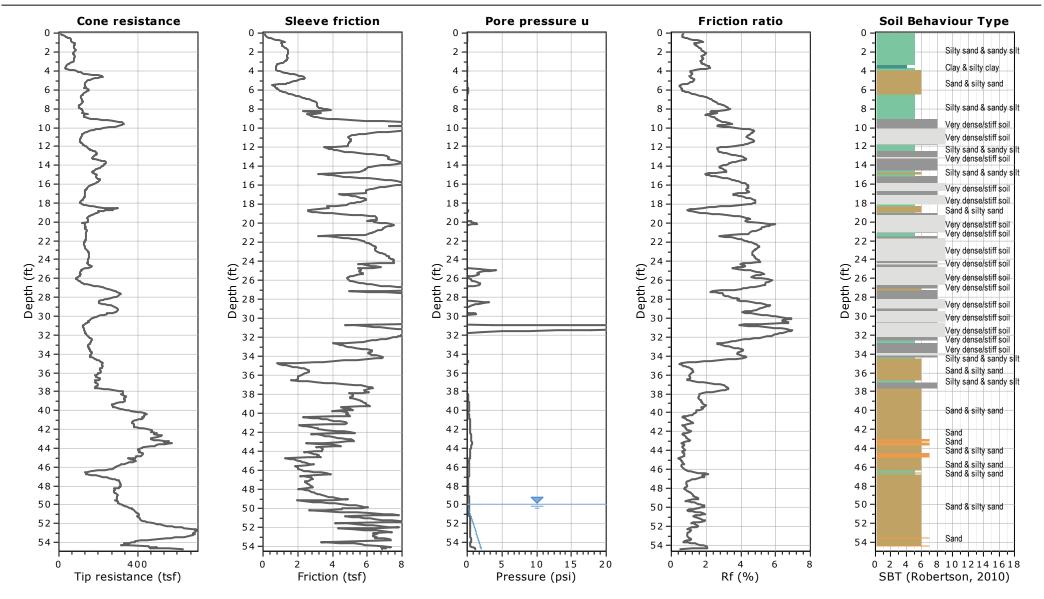
**Project: Riverside Community Hospital** 

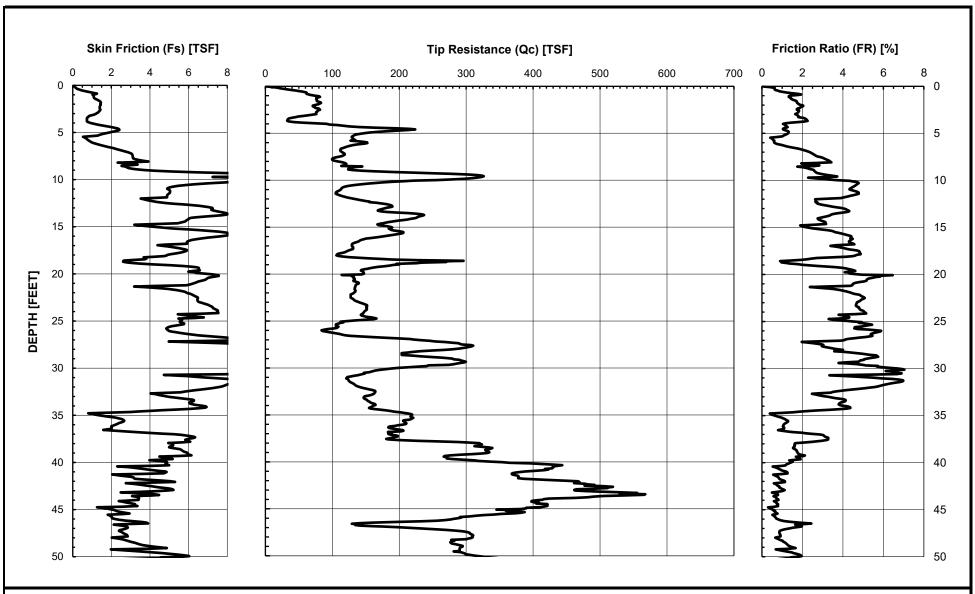
Location: 4468 Brockton Avenue, Riverside, California 92501

Total depth: 54.73 ft, Date: 3/22/2024

Surface Elevation: 839.00 ft

CPT-5





**CONE PENETOMETER DATA (CPT-5)** 

Document No. 24-0011 Project No. SD809 FIGURE A-5b

Group Delta Consultants Riverside Community Hospital Riverside, CA

**CPT Shear Wave Measurements** 

| Location<br>CPT-1 | Tip<br>Depth<br>(ft)<br>5.02 | Geophone<br>Depth<br>(ft)<br>4.02 | Travel<br>Distance<br>(ft)<br>4.49 | S-Wave<br>Arrival<br>(msec)<br>5.86 | S-Wave<br>Velocity<br>from Surface<br>(ft/sec)<br>766 | Interval<br>S-Wave<br>Velocity<br>(ft/sec) |
|-------------------|------------------------------|-----------------------------------|------------------------------------|-------------------------------------|---|--|
|                   | 10.04                        | 9.04                              | 9.26                               | 13.64                               | 679   | 613  |
|                   | 15.03<br>20.01               | 14.03<br>19.01                    | 14.17<br>19.11                     | 20.74<br>27.28                      | 683<br>701  | 692<br>756                                 |
|                   | 25.03                        | 24.03                             | 24.11                              | 31.36                               | 769   | 1225                                       |
|                   | 30.02                        | 29.02                             | 29.09                              | 35.44                               | 821   | 1220                                       |
|                   | 33.92                        | 32.92                             | 32.98                              | 37.44                               | 881   | 1946                                       |
| ODT 0             | 5.00                         | 4.00                              | 4.40                               | 4.04                                | 4050  |  |
| CPT-2             | 5.02<br>10.01                | 4.02<br>9.01                      | 4.49<br>9.23                       | 4.24<br>13.50                       | 1059<br>684   | 512  |
|                   | 15.03                        | 14.03                             | 9.23<br>14.17                      | 19.80                               | 716   | 785  |
|                   | 20.01                        | 19.01                             | 19.11                              | 26.12                               | 732   | 782  |
|                   | 25.03                        | 24.03                             | 24.11                              | 32.00                               | 754   | 850  |
|                   | 30.02                        | 29.02                             | 29.09                              | 35.22                               | 826   | 1545                                       |
|                   | 35.01                        | 34.01                             | 34.07                              | 37.78                               | 902   | 1945                                       |
|                   |                              |                                   |                                    |                                     |   |  |
| CPT-5             | 5.02                         | 4.02                              | 4.49                               | 2.46                                | 1825  |  |
|                   | 10.01                        | 9.01                              | 9.23                               | 5.94                                | 1554  | 1362                                       |
|                   | 15.06<br>20.05               | 14.06<br>19.05                    | 14.20<br>19.15                     | 8.96<br>13.04                       | 1585<br>1469  | 1646<br>1214                               |
|                   | 25.03                        | 24.03                             | 24.11                              | 16.26                               | 1483  | 1540                                       |
|                   | 30.02                        | 29.02                             | 29.09                              | 20.44                               | 1423  | 1190                                       |
|                   | 35.01                        | 34.01                             | 34.07                              | 24.28                               | 1403  | 1297                                       |
|                   | 39.99                        | 38.99                             | 39.04                              | 26.98                               | 1447  | 1842                                       |
|                   | 45.01                        | 44.01                             | 44.06                              | 31.46                               | 1400  | 1119                                       |
|                   | 50.03                        | 49.03                             | 49.07                              | 35.20                               | 1394  | 1341                                       |
|                   | 54.69                        | 53.69                             | 53.73                              | 38.74                               | 1387  | 1315                                       |

Shear Wave Source Offset -

2 ft

S-Wave Velocity from Surface = Travel Distance/S-Wave Arrival Interval S-Wave Velocity = (Travel Dist2-Travel Dist1)/(Time2-Time1)

| E            | 3OR                             | RIN                 | G F        | RECC  | ORD         | )      | PROJE<br>Rivers |                      |                         | unity Ho                          | ospital  |   |  | PROJECT<br>SD809                          |                | BORING B-01   |
|--------------|---------------------------------|---------------------|------------|---|-------------|--------|-----------------|----------------------|-------------------------|-----------------------------------|--|---|--|---|----------------|---|
| Prope        | OCATION<br>OSED P<br>NG COM     | i<br>arkino<br>PANY | g Gar      | age and                                     |             |        | Tavoro          | DRILL                | ING M                   | ETHOD                             | •  | STAF<br>4/4                                   | гт<br>/2024                              | FINI<br>4/<br>LOGGED                      | ISH<br>/4/2024 | SHEET NO. 1 of 2 CHECKED BY                             |
|              | w Jack<br><mark>vg EQU</mark> I |                     |            |   |             |        |                 |                      | NG DIA                  | tem Au<br>(in)                    | •  | DEPTH (ft)                                    | GROUN                                    | JWJ<br>D ELEV (ft)                        | DEPTH/ELE      | MAF<br>V. GROUNDWATER (                                 |
|              | 75 Lim                          |                     | Acces      | s Rig #1                                    | 42          |        | NOTES           | 8                    |                         |                                   | 36.5   |   | 800                                      |   | <b>▼</b> / na  |   |
|              |                                 |                     | ., Dro     | p: 30 in.                                   | (Auton      | natic) | _               |                      | %, N <sub>6</sub>       | <sub>50</sub> ~ 74/0              | 60 * N ~ 1   | 1.23 * N                                      |  |   |                |   |
| DEPTH (feet) | ELEVATION<br>(feet)             | SAMPLE TYPE         | SAMPLE NO. | PENETRATION<br>RESISTANCE<br>(BLOWS / 6 IN) | BLOW/FT "N" | ž      | MOISTURE (%)    | DRY DENSITY<br>(pcf) | OTHER<br>TESTS          | DEPTH (feet)                      | GRAPHIC<br>LOG   |   | DESC                                     | CRIPTION /                                | AND CLASSIF    | FICATION  |
|              | _                               |                     | B-1        |   |             |        |                 |                      | PA                      | -<br>-                            |  | dark ye<br>mediun                             | llowish b<br>n SAND;                     | orown (10'<br>; some fine                 | R 4/4): moi:   | edium dense;<br>st; mostly fine to<br>AVEL; nonplastic. |
| _5           | 795<br>                         |                     | S-2        | 2<br>4<br>4                                 | 8           | 10     |                 |                      |                         | 5 —                               |  | dense;  | dark yel<br>nedium                       | lowish bro                                | wn (10YR 4/    | SM); medium<br>/4); moist; mostly<br>ice GRAVEL;        |
| -10          | 790<br>                         | X                   | R-3        | 3<br>5<br>7                                 | 12          | 10     | 9.9             | 107                  |                         | 10 —<br>-<br>-                    |  | mediun<br>mostly                              | n dense;                                 | dark yello<br>nedium SA                   |                | Γ (SP-SM);<br>(10YR 4/6); moist;<br>es; trace GRAVEL;   |
| -15          | 785<br>                         |                     | S-4        | 3<br>4<br>5                                 | 9           | 11     |                 |                      |                         | 15 <u> </u>                       |  | dense;<br>yellowis                            | light yell<br>sh browr<br>few fine       | lowish bro<br>n (10YR 4/                  | wn (10YR 6/    | ostly fine to coarse                                    |
| -20          | 780<br>                         |                     | R-5        | 7<br>11<br>15                               | 26          | 21     | 22.4            | 102                  | PA<br>PI<br>C           | 20 —<br>-<br>-<br>-               |  | moist; r<br>(0% Gr                            | nostly fir                               | nes; little fi<br>% Sand; 8               | ne SAND; lo    | brown (10YR 4/6):<br>bw plasticity.                     |
| GR           | 924                             | 5 A                 | ctivi      | <b>A CON</b><br>ty Roa<br>, Calif           | ad, S       | uite   | 103             | INC                  | S. OF<br>SU<br>LO<br>WI | THIS BOBSURFA<br>CATION<br>TH THE | MARY APPL<br>DRING AND<br>ACE CONDI<br>S AND MAY<br>PASSAGE<br>ED IS A SIM | O AT THE<br>ITIONS MA<br>Y CHANGE<br>OF TIME. | TIME OF<br>AY DIFFE<br>AT THIS<br>THE DA | DRILLING:<br>ER AT OTH<br>S LOCATIC<br>TA | ER<br>DN       | FIGURE<br>A-6 a   |

| E                  | 3OR                 | INC         | G F        | RECC  | RD          | ١ ١    | PROJEC<br>Rivers |                      |                      | unity H                    | ospital  |  |   |                                     | ECT N<br>809          | NUMBER               | <u> </u>            | BORING<br>B-01                        |
|--------------------|---------------------|-------------|------------|---|-------------|--------|------------------|----------------------|----------------------|----------------------------|--|--|---|-------------------------------------|-----------------------|----------------------|---------------------|---------------------------------------|
|                    | CATION              |             | _          |   | -           | 0:1    |                  |                      |                      |                            |  | STAF                                     |   |                                     | FINIS                 |                      |                     | SHEET NO.                             |
|                    | OSEC P              |             | Gara       | age and                                     | Iower       | Sites  |                  | DPII I               | ING M                | ETHOD                      |  | 4/4                                      | /2024                                     | LOG                                 |                       | 1/2024               | CHE                 | 2 of 2<br>CKED BY                     |
|                    | w Jack              |             | llina      |   |             |        |                  |                      |                      | tem Au                     | ger  |  |   | JW                                  |                       | <b>J</b> 1           | MA                  |                                       |
|                    | NG EQUI             |             |            |   |             |        |                  |                      | NG DIA               |                            |  | EPTH (ft)                                | GROUN                                     | -                                   |                       | DEPTH/               |                     | ROUNDWATER (ft)                       |
| CME                | 75 Lim              | nited A     | Acces      | s Rig #1                                    | 42          |        |                  | 8                    |                      |                            | 36.5   |  | 800                                       |                                     |                       | <b>▼</b> / n         | a                   |                                       |
| _                  | ING MET             |             |            |   |             |        | NOTES            |                      |                      |                            |  |  |   |                                     |                       |                      |                     |                                       |
| Hami               | mer: 14             | 0 lbs.      | , Dro      | p: 30 in.                                   | (Auton      | natic) | ETR              | ~ 74                 | %, N <sub>6</sub>    | <sub>0</sub> ~ 74/         | 60 * N ~ 1   | .23 * N                                  |   |                                     |                       |                      |                     |                                       |
| DEPTH (feet)       | ELEVATION<br>(feet) | SAMPLE TYPE | SAMPLE NO. | PENETRATION<br>RESISTANCE<br>(BLOWS / 6 IN) | BLOW/FT "N" | 2°     | MOISTURE<br>(%)  | DRY DENSITY<br>(pcf) | OTHER<br>TESTS       | DEPTH (feet)               | GRAPHIC<br>LOG   |  | DES                                       | CRIPTI                              | ON A                  | ND CLAS              | SSIFICA             | TION                                  |
| -                  |                     |             | S-6        | 5<br>9<br>10                                | 19          | 23     |                  |                      |                      | -<br>-                     |  | stiff; ye                                | llowish<br>e SAND                         | brown                               | (10YI                 | R 5/6); r            |                     | Y (CL); very nostly fines;            |
| -<br>30<br>-       | 770<br>             |             | R-7        | 8<br>13<br>20                               | 33          | 27     | 16.0             | 117                  |                      | -<br>30 —<br>-             |  | (10YR                                    | EY SANI<br>5/4); mo<br>ow plast           | oist; mo                            | med<br>pstly f        | lium der<br>îne to c | nse; yel<br>oarse S | lowish brown<br>AND; some             |
| -<br>35            | 765<br>             |             | S-8        | 3<br>9<br>18                                | 27          | 33     |                  |                      |                      | -<br>35 —                  |  | yellowi                                  | LLUVIU<br>sh brow<br>medium               | n (10Y                              | R 4/6                 | i); moist            | ; mostly            | CL); hard;<br>/ fines; some<br>ceous. |
| -<br>-<br>-<br>-40 |                     |             |            |   |             |        |                  |                      |                      | -<br>-<br>40 —             |  |  | epth: 36                                  |                                     |                       | ered                 |                     |                                       |
| 45                 | _                   |             |            |   |             |        |                  |                      |                      | -<br>-<br>-                |  |  |   |                                     |                       |                      |                     |                                       |
| 45<br>45           | 755<br>             |             |            |   |             |        |                  |                      |                      | 45 —<br>-                  |  |  |   |                                     |                       |                      |                     |                                       |
|                    | _                   |             |            |   |             |        |                  |                      |                      | -                          |  |  |   |                                     |                       |                      |                     |                                       |
|                    |                     |             |            |   |             |        |                  |                      |                      | _                          |  |  |   |                                     |                       |                      |                     |                                       |
|                    |                     |             |            |   |             |        |                  |                      |                      |                            |  |  |   |                                     |                       |                      |                     |                                       |
| <u>-</u>           | _                   |             |            |   |             |        |                  |                      |                      | -                          |  |  |   |                                     |                       |                      |                     |                                       |
| GR TOO DOT TOO     | 924                 | 5 A         | ctivi      | A CON<br>ty Roa<br>o, Calif                 | ad, S       | uite   | 103              | INC                  | OF<br>SU<br>LO<br>WI | THIS BOBSURFACATION TH THE | MARY APPL<br>ORING AND<br>ACE CONDI'<br>S AND MAY<br>PASSAGE (<br>ED IS A SIMI | AT THE<br>TIONS MA<br>CHANGI<br>OF TIME. | TIME OF<br>AY DIFFI<br>E AT THI<br>THE DA | F DRILL<br>ER AT (<br>IS LOCA<br>TA | ING.<br>OTHE<br>ATION | R<br>N               | F                   | FIGURE<br>A-6 b                       |

|              | 30R                 | NI(         | GF         | RECO  | )RD         | ١ ١    | PROJE        |                   |                       | unit. I I         | onit-l  |                               |                     |                 |                    | IUMBER       | l        | BORING<br>B-02                      |
|--------------|---------------------|-------------|------------|---|-------------|--------|--------------|-------------------|-----------------------|-------------------|---|-------------------------------|---------------------|-----------------|--------------------|--------------|----------|-------------------------------------|
|              | CATION              |             | <u> </u>   | \LCC  | טווכ        | ,      | Rivers       | side C            | ommı                  | unity Ho          | ospital   | STAR                          | т                   | SD              | 809<br>FINIS       | Н            |          | SHEET NO.                           |
| Prop         |                     | arking      | g Gar      | age and                                     | Tower       | Sites  |              | DDILL             | INC M                 | ETHOD             |   |                               | /2024               | 1.00            | 1                  | /2024        | CUE      | 1 of 3                              |
|              | w Jack              |             | llina      |   |             |        |              | 1                 |                       | tem Au            | ger   |                               |                     | JV              |                    | S Y          | MA       | CKED BY                             |
| RILLI        | NG EQUI             | PMEN        | Т          |   |             |        |              |                   | NG DIA                |                   |   | PTH (ft)                      | GROUN               |                 |                    | DEPTH/       |          | ROUNDWATER                          |
|              |                     |             | ounte      | d Rig #1                                    | 20          |        | NOTE         | 8                 |                       |                   | 51.5  |                               | 798                 |                 |                    | <b>▼</b> 36. | 0 / 762  | 2.0                                 |
|              | ING MET<br>mer: 14  |             | ., Dro     | p: 30 in.                                   | (Auton      | natic) | NOTE         |                   | %, N <sub>6</sub>     | o ~ 80/6          | 60 * N ~ 1.   | 33 * N                        |                     |                 |                    |              |          |                                     |
| DEPTH (feet) | ELEVATION<br>(feet) | SAMPLE TYPE | SAMPLE NO. | PENETRATION<br>RESISTANCE<br>(BLOWS / 6 IN) | BLOW/FT "N" | Z      | MOISTURE (%) | DRY DENSITY (pcf) | OTHER<br>TESTS        | DEPTH (feet)      | GRAPHIC<br>LOG                                      |                               | DES                 | CRIPT           | IA NOI             | ND CLAS      | SSIFICAT | ΓΙΟΝ                                |
|              |                     |             |            |   |             |        |              |                   |                       |                   |   | PAVEN                         | IENT:               | 2-inch          | es As <sub>l</sub> | phalt Co     | oncrete. |                                     |
|              |                     |             | B-1        |   |             |        |              |                   |                       | -<br>-            |   |                               | llowish<br>SAND     | brown<br>; some | (10YI<br>fines     | R 4/4); r    | moist; m | m dense;<br>nostly fine to<br>AVEL; |
| -5           | _                   |             |            | 1   |             |        |              |                   |                       | -<br>5 —          |   | yellowis<br>medium<br>nonplas | sh browi<br>n SAND  | n (10Y          | 'R 4/6             | ): moist     | : mostlv | loose; dark<br>fine to<br>VEL;      |
|              |                     | X           | S-2        | 2 2   | 4           | 5      |              |                   |                       | -                 |   |                               |                     |                 |                    |              |          |                                     |
|              | 790<br>             |             |            |   |             |        |              |                   |                       | -<br>-            |   |                               |                     |                 |                    |              |          |                                     |
| -10          | _                   | X           | R-3        | 2<br>5<br>5                                 | 10          | 9      | 3.2          | 109               | PA<br>DS              | 10 —<br>–         |   | (3% Gra                       | avel; 83            | % Sar           | nd; 14             | % Fines      | s)       |                                     |
|              | 785                 |             |            |   |             |        |              |                   |                       | -<br> <br>        |   |                               |                     |                 |                    |              |          |                                     |
| -15          |                     |             |            | 1   |             |        |              |                   |                       | -<br>15 —         |   |                               |                     |                 |                    |              |          |                                     |
|              | _                   | X           | S-4        | 3   | 5           | 7      |              |                   |                       | -<br>-            |   |                               |                     |                 |                    |              |          |                                     |
|              | 780<br>             |             |            |   |             |        |              |                   |                       | -<br>-            |   |                               |                     |                 |                    |              |          |                                     |
| -20          | _                   |             | R-5        | 4<br>12<br>15                               | 27          | 24     | 22.6         | 106               | PA<br>PI<br>C         | 20 —<br>-         |   |                               | oist; m̀o           |                 |                    |              |          | own (10YR<br>medium                 |
|              | -                   |             |            |   |             |        |              |                   |                       | _                 |   | (0% Gra                       | •                   | ( Ca            | 1. OZ0.            | / Ein\       |          |                                     |
|              | 775<br>             |             |            |   |             |        |              |                   |                       | -                 |   | (U% G13                       |                     |                 |                    | o i iiies)   | •        |                                     |
| GR           |                     |             |            | A CON                                       |             |        |              | INC               | OF<br>SU              | THIS BO<br>BSURFA | MARY APPLII<br>DRING AND A<br>CE CONDIT             | AT THE T<br>IONS MA           | TIME OF<br>AY DIFFE | DRILL<br>ER AT  | JNG.<br>OTHE       |              | F        | IGURE                               |
|              |                     |             |            | ty Roa<br>, Calif                           |             |        |              |                   | WI <sup>*</sup><br>PR | TH THE I          | S AND MAY<br>PASSAGE O<br>ED IS A SIMP<br>NS ENCOUN | F TIME.<br>LIFICATI           | THE DA              | .TA             |                    |              |          | A-7 a                               |

| Е                | BOR                          | IN             | G F        | RECC  | ORD         | ۱ ۱            | PROJEC<br>Rivers |                   |                      | unity H                           | ospital               |  |  | PROJECT<br>SD809               |                          | BORING B-02   |
|------------------|------------------------------|----------------|------------|---|-------------|----------------|------------------|-------------------|----------------------|-----------------------------------|-----------------------|--|--|--------------------------------|--------------------------|---|
| Propo<br>Prillin | CATION<br>osed Pa<br>IG COME | arking<br>PANY | g Gara     | age and                                     |             |                |                  | DRILL             | ING M                | ETHOD                             | •                     | <b>STAR</b> 4/1                                | rt<br>/2024                              | FINIS<br>4/                    | <b>sн</b><br>1/2024      | SHEET NO. 2 of 3 CHECKED BY                                     |
|                  | w Jack                       |                | -          |   |             |                |                  |                   | low S                | tem Au                            |                       | SEDTU (#1)                                     | CROUN                                    | JWJ                            | DEDTU <i>EL</i>          | MAF<br>EV. GROUNDWATER  |
|                  |                              |                |            | d Rig #1                                    | 20          |                |                  | 8                 | NG DIA               | . (111)                           | 51.5                  | DEP IN (II)                                    | 798                                      | D ELEV (II)                    | <b>▼</b> 36.0            |   |
| AMPLI            | NG MET                       | HOD            |            |   |             |                | NOTES            |                   |                      |                                   |                       |  |  |                                | -                        |   |
| Hamn             | ner: 14                      | 0 lbs.         | ., Dro     | p: 30 in.                                   | (Auton      | natic)         | ETR              | ~ 80              | %, N <sub>6</sub>    | <sub>50</sub> ~ 80/               | 60 * N ~ 1            | 1.33 * N                                       |  |                                |                          |   |
| DEPTH (feet)     | ELEVATION<br>(feet)          | SAMPLE TYPE    | SAMPLE NO. | PENETRATION<br>RESISTANCE<br>(BLOWS / 6 IN) | BLOW/FT "N" | Z <sup>0</sup> | MOISTURE<br>(%)  | DRY DENSITY (pcf) | OTHER<br>TESTS       | DEPTH (feet)                      | GRAPHIC<br>LOG        |  | DESC                                     | CRIPTION A                     | .ND CLASSI               | FICATION  |
|                  | <br>770                      |                | S-6        | 4<br>4<br>6                                 | 10          | 13             |                  |                   |                      | -<br>-<br>-                       |                       | stiff; da                                      | rk yellov<br>ttle fine \$                |                                | (10YR 3/6                | CLAY (CL); very<br>); moist; mostly<br>city.                    |
| -30              |                              | X              | R-7        | 8<br>17<br>22                               | 39          | 35             | 11.0             | 123               |                      | 30 —                              |                       | yellowis                                       | sh browr                                 | <u>า (</u> 10YR 4/4            | 1); moist; 'n            | SC); dense; dark<br>nostly fine to coarse<br>nedium plasticity. |
| -35              |                              |                | S-8        | 4<br>8<br>14                                | 22          | 29             |                  |                   |                      | 35 —<br>-<br>-                    | /// <b>y</b>          | yellowis                                       | sh browr<br>SAND; s                      | า (10ÝR 4/4                    | 1); saturate             | e to dense; dark<br>d; mostly fine to<br>AVEL; medium           |
| _40              | _                            | X              | R-9        | 15<br>24<br>30                              | 54          | 48             | 12.6             | 119               |                      | 40 —<br>-                         |                       | 4/6); sa                                       | ıturated;                                |                                | to mediur                | owish brown (10YR<br>n SAND; some                               |
| <b>-</b> 45      | 755<br>                      |                |            |   |             |                |                  |                   |                      | -<br>-<br>45 —                    |                       | (10YR  |  | urated;̀ mó                    |                          | yellowish brown<br>ittle fine SAND;                             |
|                  | —<br>—<br>—750               |                | R-10       |   |             |                |                  |                   |                      | -                                 |                       | very pa<br>6/6), sa                            | le browr<br>turated;                     | n (10YR 8/4                    | 1) to brown<br>to coarse | SW-SM); dense;<br>ish yellow (10YR<br>SAND; few<br>aceous.      |
|                  | _                            |                |            |   |             |                |                  |                   |                      | -                                 |                       | the bot  | tom of th                                | e hollow-s                     | tem auger.               | oundwater flow into   |
| GR               | 924                          | 5 A            | ctivi      | <b>ty Roa</b><br>ty Roa<br>, Calif          | ad, S       | uite           | 103              | INC               | OF<br>SU<br>LO<br>WI | THIS BOBSURFA<br>CATION<br>TH THE | ORING AND<br>ACE COND | O AT THE T<br>ITIONS MAY<br>CHANGE<br>OF TIME. | TIME OF<br>AY DIFFE<br>AT THIS<br>THE DA | ER AT OTHE<br>S LOCATION<br>TA | ER<br>N                  | FIGURE<br>A-7 b   |

|  | 30R                         |             | G F        | RECC  | DRD         | ١ ١    | PROJE<br>Rivers |                      |                            | unity Ho                        | ospital  | STAF  |   | PROJEC<br>SD80                       |                    | ER                                 | BORING B-02 SHEET NO.                |
|--|-----------------------------|-------------|------------|---|-------------|--------|-----------------|----------------------|----------------------------|---------------------------------|--|---|---|--------------------------------------|--------------------|------------------------------------|--------------------------------------|
| Prop   | osed P                      | arking      | g Gara     | age and                                     | Tower       | Sites  |                 |                      |                            |                                 |  |   | /2024                                       | 4                                    | 4/1/202            |                                    | 3 of 3                               |
| Yello  | NG COM<br>W Jack<br>NG EQUI | et Dri      | Т          | I D: //4                                    | 00          |        |                 | Hol<br>BORII         |                            | ETHOD<br>tem Au<br>(in)         | TOTAL  | DEPTH (ft)  |   | JWJ<br>ELEV (f                       | ft) DEPT           | M.<br>H <i>IELEV.</i> G            | CKED BY<br>AF<br>ROUNDWATER (ft)     |
|  | ING MET                     |             | ounte      | d Rig #1                                    | 20          |        | NOTES           | 8                    |                            |                                 | 51.5   |   | 798   |                                      | ¥ 3                | 36.0 / 76.                         | 2.0                                  |
| Ham  | mer: 14                     | lo lbs.     | ., Dro     | p: 30 in.                                   | (Auton      | natic) | ETR             | ~ 80                 | %, N <sub>6</sub>          | <sub>0</sub> ~ 80/6             | 60 * N ~   | 1.33 * N  |   |                                      |                    |                                    |                                      |
| DEPTH (feet)   | ELEVATION<br>(feet)         | SAMPLE TYPE | SAMPLE NO. | PENETRATION<br>RESISTANCE<br>(BLOWS / 6 IN) | BLOW/FT "N" |        | MOISTURE (%)    | DRY DENSITY<br>(pcf) | OTHER<br>TESTS             | DEPTH (feet)                    | GRAPHIC<br>LOG   |   | DESC  | CRIPTION                             | I AND CL           | .ASSIFICA                          | TION                                 |
| -  | 745                         | X           | S-11       |   |             |        |                 |                      |                            | _                               |  | dense;<br>mostly  | light yellofine to m                        | owish bredium S                      | own (10<br>AND; fe | DED SAN<br>IYR 6/4);<br>w fines; r | D (SW);<br>saturated;<br>nonplastic. |
| -  |                             |             |            |   |             |        |                 |                      |                            | _                               |  | Ground  | dwater De<br>dwater ini                     | epth: 36<br>tially obs               | served a           | at 46 feet                         |                                      |
| 55   | -                           |             |            |   |             |        |                 |                      |                            | 55 —                            |  | when the  | he botton                                   | n of the l                           | borehole           | heaved.                            |                                      |
| _  | _                           |             |            |   |             |        |                 |                      |                            | -                               |  |   |   |                                      |                    |                                    |                                      |
| -  | _                           |             |            |   |             |        |                 |                      |                            | -                               |  |   |   |                                      |                    |                                    |                                      |
| -  | 740                         |             |            |   |             |        |                 |                      |                            | -                               |  |   |   |                                      |                    |                                    |                                      |
| 60   |                             |             |            |   |             |        |                 |                      |                            | 60 —                            |  |   |   |                                      |                    |                                    |                                      |
|  |                             |             |            |   |             |        |                 |                      |                            | - 00                            |  |   |   |                                      |                    |                                    |                                      |
| -  | _                           |             |            |   |             |        |                 |                      |                            | _                               |  |   |   |                                      |                    |                                    |                                      |
| -  | <u>735</u>                  |             |            |   |             |        |                 |                      |                            | -                               |  |   |   |                                      |                    |                                    |                                      |
| -  |                             |             |            |   |             |        |                 |                      |                            | -                               |  |   |   |                                      |                    |                                    |                                      |
| 65   | _                           |             |            |   |             |        |                 |                      |                            | 65 —                            |  |   |   |                                      |                    |                                    |                                      |
| <del>-</del>   | -                           |             |            |   |             |        |                 |                      |                            | _                               |  |   |   |                                      |                    |                                    |                                      |
| -<br>-<br>-  | -                           |             |            |   |             |        |                 |                      |                            | _                               |  |   |   |                                      |                    |                                    |                                      |
| 70 2000 1418   | 730                         |             |            |   |             |        |                 |                      |                            | -                               |  |   |   |                                      |                    |                                    |                                      |
| 5 –<br>2 – 70  |                             |             |            |   |             |        |                 |                      |                            | 70 <i>—</i>                     |  |   |   |                                      |                    |                                    |                                      |
|  |                             |             |            |   |             |        |                 |                      |                            | -                               |  |   |   |                                      |                    |                                    |                                      |
|  | L                           |             |            |   |             |        |                 |                      |                            | _                               |  |   |   |                                      |                    |                                    |                                      |
| 00 K   | <u>725</u>                  |             |            |   |             |        |                 |                      |                            | _                               |  |   |   |                                      |                    |                                    |                                      |
| NE MINO  | _                           |             |            |   |             |        |                 |                      |                            | _                               |  |   |   |                                      |                    |                                    |                                      |
| TIOS XWW SHIPLE OF THE | 924                         | 5 A         | ctivi      | A CON<br>ty Roa<br>o, Calif                 | ad, S       | uite   | 103             | INC                  | OF<br>SU<br>LO<br>WI<br>PR | THIS BOURFACATION TH THE ESENTE | ORING AN<br>ACE CONE<br>S AND MA<br>PASSAGE<br>ED IS A SII | PLIES ONLY ID AT THE DITIONS MAY CHANGE OF TIME. MPLIFICAT JNTERED. | TIME OF<br>AY DIFFE<br>E AT THIS<br>THE DAT | DRILLING<br>R AT OT<br>S LOCATI<br>A | G.<br>HER<br>ION   | F                                  | FIGURE<br>A-7 c                      |

| E            | BOR                 | RIN               | G F         | RECO  | ORD         | ١ ١         | PROJE        |                      |                         | unity Ho            | ospital        |                                      |                     | PROJECT<br>SD809 | NUMBER                   | BORING<br>B-03   |
|--------------|---------------------|-------------------|-------------|---|-------------|-------------|--------------|----------------------|-------------------------|---------------------|----------------|--------------------------------------|---------------------|------------------|--------------------------|--|
| Prop         | OCATION             | <b>i</b><br>arkin |             | age and                                     |             |             | TAIVCIS      |                      |                         | ETHOD               | ээрнаг         | <b>STAF</b> 4/2                      | rt<br>/2024         | FIN              | ish<br>/2/2024           | SHEET NO. 1 of 2                                       |
|              | w Jack              |                   |             |   |             |             |              |                      |                         | tem Au              | •              |                                      |                     | JWJ              |                          | MAF  |
|              | NG EQUI             |                   |             | s Rig #1                                    | 42          |             |              | BORII<br>8           | NG DIA                  | (in)                | 36.5           | DEPTH (ft)                           | GROUN<br>798        | D ELEV (ft       | DEPTHÆI<br><b>▼</b> / na | <i>LEV.</i> GROUNDWATER (                              |
| AMPL         | ING MET             | HOD               |             |   |             |             | NOTES        | 3                    |                         |                     |                |                                      |                     |                  |                          |  |
| Ham          | mer: 14<br>⊤        | IO Ibs            | ., Dro<br>⊟ | p: 30 in.                                   | (Auton      | natic)<br>⊺ | EIR          | R ~ 80<br>⊤          | '%, N <sub>6</sub><br>⊺ | <sub>0</sub> ~ 80/0 | 60 * N ~       | 1.33 * N                             |                     |                  |                          |  |
| DEPTH (feet) | ELEVATION<br>(feet) | SAMPLE TYPE       | SAMPLE NO.  | PENETRATION<br>RESISTANCE<br>(BLOWS / 6 IN) | BLOW/FT "N" | ž           | MOISTURE (%) | DRY DENSITY<br>(pcf) | OTHER<br>TESTS          | DEPTH (feet)        | GRAPHIC<br>LOG |                                      | DES                 | CRIPTION         | AND CLASS                | SIFICATION   |
|              |                     |                   |             |   |             |             |              |                      |                         |                     |                | PAVEN                                | MENT: 2             | 2-inches A       | sphalt Cor               | ncrete.  |
|              |                     |                   | B-1         |   |             |             |              |                      | PA<br>EI                | _                   |                | yellowis                             | sh browr<br>1 SAND: | า (10YR 5        | /6); moist;              | medium dense;<br>mostly fine to<br>GRAVEL; nonplastic; |
|              |                     |                   |             |   |             |             |              |                      | CR                      |                     |                | (4% Gr                               | avel; 49            | % Sand; 4        | 17% Fines)               | )  |
| -5           |                     |                   |             |   |             |             |              |                      |                         | 5 —                 |                |                                      |                     |                  |                          |  |
| -5           |                     |                   | R-2         | 6<br>11                                     | 24          | 21          | 3.1          | 104                  |                         | ) 5 <u> </u>        |                |                                      |                     |                  |                          |  |
|              |                     |                   | 11-2        | 13  | 24          |             | 0.1          | 104                  |                         | -                   |                |                                      |                     |                  |                          |  |
|              | _                   |                   |             |   |             |             |              |                      |                         | -                   |                |                                      |                     |                  |                          |  |
|              | <u>790</u>          |                   |             |   |             |             |              |                      |                         | -                   |                |                                      |                     |                  |                          |  |
|              | _                   |                   |             |   |             |             |              |                      |                         | -                   |                | dense;                               | yellowis            | h brown (        | 10YR 5/6);               | (SM); medium moist; mostly fine to                     |
| -10          | _                   |                   | ,           | 4   |             |             |              |                      |                         | 10 —                |                | coarse                               | SAND; I             | ittle fines;     | nonplastic               | <b>)</b> .   |
|              | _                   | X                 | S-3         | 6<br>6                                      | 12          | 16          |              |                      |                         | _                   |                |                                      |                     |                  |                          |  |
|              | _                   | ,                 |             |   |             |             |              |                      |                         | _                   |                |                                      |                     |                  |                          |  |
|              | 785                 |                   |             |   |             |             |              |                      |                         | _                   |                |                                      |                     |                  |                          |  |
|              |                     |                   |             |   |             |             |              |                      |                         | _                   |                |                                      |                     |                  |                          |  |
| -15          |                     |                   |             |   |             |             |              |                      |                         | 15 <u> </u>         |                |                                      |                     |                  |                          | (SW-SM); medium  |
| -10          |                     | M                 | R-4         | 5<br>11                                     | 23          | 20          | 4.2          | 106                  |                         | 10 —                |                | (10YR                                | 5/6); mo            | ist; mostly      | fine to co               | to yellowish brown<br>arse SAND; few                   |
|              |                     |                   | •           | 12  |             |             |              |                      |                         | _                   |                | fines; tr                            | ace GR              | AVEL; noi        | nplastic; m              | icaceous.  |
|              |                     |                   |             |   |             |             |              |                      |                         | -                   |                |                                      |                     |                  |                          |  |
|              | 780                 |                   |             |   |             |             |              |                      |                         | -                   |                |                                      |                     |                  |                          |  |
|              | _                   |                   |             |   |             |             |              |                      |                         | _                   |                |                                      |                     |                  |                          |  |
| -20          | _                   |                   | ,           | 6   |             |             |              |                      |                         | 20 —                |                | Few GI                               | RAVEL.              |                  |                          |  |
|              | _                   | X                 | S-5         | 8<br>7                                      | 15          | 20          |              |                      |                         | -                   |                |                                      |                     |                  |                          |  |
|              | _                   |                   |             | , ,   |             |             |              |                      |                         | _                   |                |                                      |                     |                  |                          |  |
|              | 775                 |                   |             |   |             |             |              |                      |                         | _                   |                |                                      |                     |                  |                          |  |
|              |                     |                   |             |   |             |             |              |                      |                         |                     |                |                                      |                     |                  |                          |  |
|              |                     |                   |             |   |             |             |              |                      |                         | _                   |                |                                      |                     |                  |                          |  |
| GP           |                     | DE                |             | \ CO\                                       | 16111       | TAN         | ITC          | INIC                 | TH                      |                     |                | LIES ONLY                            |                     |                  |                          | FIGURE   |
| GR           |                     |                   |             | <b>ty Roa</b>                               |             |             | -            | 111/                 | SU                      | BSURF#              | ACE COND       | D AT THE '<br>DITIONS MA<br>Y CHANGE | Y DIFFE             | R AT OTH         | ER                       | IIGUIL   |
|              |                     |                   |             | , Calif                                     |             |             |              |                      | WI                      | TH THE              | PASSAGE        | OF TIME.  MPLIFICAT                  | THE DA              | TA               |                          | A-8 a  |
|              | Ju                  | ال                | Jyo         | , Juiii                                     | J11116      | . J.        | U            |                      |                         |                     | NS ENCOL       |                                      |                     |                  | -                        |  |

| F            | 30R                       | IN            | G F        | RECO  | DRD         | <b>\</b> | PROJE        |                      |                   | unity H                     | osnital                         |   |                | ROJECT NUM<br>SD809        | /IBER                   | BORING<br>B-03  |
|--------------|---------------------------|---------------|------------|---|-------------|----------|--------------|----------------------|-------------------|-----------------------------|---------------------------------|---|----------------|----------------------------|-------------------------|---|
| SITE LO      | CATION                    | ı             |            |   |             |          | iviveis      | iiu <del>c</del> C   | OHIIII            | unity 17                    | υομιιαι                         | START   |                | FINISH                     |                         | SHEET NO.   |
|              | osed Pa                   |               | g Gar      | age and                                     | Tower       | Sites    |              | ייימח                | INC 1             | ETUAR                       |                                 | 4/2/2024  |                | 4/2/2                      |                         | 2 of 2  |
|              | <b>ng com</b> i<br>w Jack |               | illina     |   |             |          |              |                      |                   | tem Au                      | ıger                            |   |                | OGGED BY                   |                         | CHECKED BY<br>MAF   |
| DRILLII      | NG EQUI                   | PMEN          | T          |   |             |          |              | BORII                | NG DIA            |                             | TOTAL                           |   | IND E          | LEV (ft) DE                |                         | V. GROUNDWATER (  |
|              | 75 Lim                    |               | Acces      | s Rig #1                                    | 42          |          | NOTE         | 8                    |                   |                             | 36.5                            | 798   | }              | Ţ                          | . / na                  |   |
|              |                           |               | ., Dro     | p: 30 in.                                   | (Auton      | natic)   | NOTES        |                      | %, N <sub>e</sub> | <sub>so</sub> ~ 80/         | 60 * N ~                        | 1.33 * N  |                |                            |                         |   |
|              |                           |               |            | İ   |             |          |              |                      |                   |                             |                                 |   |                |                            |                         |   |
| DEPTH (feet) | ELEVATION<br>(feet)       | SAMPLE TYPE   | SAMPLE NO. | PENETRATION<br>RESISTANCE<br>(BLOWS / 6 IN) | BLOW/FT "N" | Z°       | MOISTURE (%) | DRY DENSITY<br>(pcf) | OTHER<br>TESTS    | DEPTH (feet)                | GRAPHIC<br>LOG                  | DE  | SCR            | IPTION AND                 | CLASSIF                 | ICATION   |
|              | _                         |               | R-6        | 11<br>30<br>40                              | 70          | 62       | 6.2          | 114                  |                   | -                           | Δ Δ Δ<br>                       | (SW-SM); ver  | ry de<br>h bro | nse; very pa<br>wn (10YR 4 | ale browr<br>1/6): mois | AND WITH SILT<br>n (10YR 7/3) to<br>st; mostly fine to      |
|              | _                         |               |            |   |             |          |              |                      |                   | -                           |                                 | coarse SAND   | ); few         | / finès; nonp<br>— — — — — | olastic; m              | nicaceous.  |
|              | 770                       |               |            |   |             |          |              |                      |                   | -                           |                                 | CLAYEY SAN  | ND (S          | SC); dense;                | dark yell               | lowish brown<br>um SAND; some                               |
|              |                           |               |            |   |             |          |              |                      |                   | -                           |                                 | fines; trace G  |                |                            |                         |   |
| _30          |                           |               |            | 7   |             |          |              |                      |                   | 30 —                        |                                 |   |                |                            |                         |   |
|              |                           | X             | S-7        | 7<br>12                                     | 26          | 35       |              |                      |                   | _                           |                                 |   |                |                            |                         |   |
|              |                           | $\overline{}$ | 4          | 14  |             |          |              |                      |                   |                             |                                 |   |                |                            |                         |   |
|              |                           |               |            |   |             |          |              |                      |                   | -                           |                                 |   |                |                            |                         |   |
|              | 765                       |               |            |   |             |          |              |                      |                   | -                           |                                 |   |                |                            |                         |   |
|              | _                         |               |            |   |             |          |              |                      |                   | -                           |                                 |   |                |                            |                         |   |
| _35          |                           |               | R-8        | 11<br>19<br>36                              | 55          | 49       | 11.6         | 122                  |                   | 35                          |                                 | yellowish bro   | wn (1          | 10YR 5/6); r               | noist; mo               | W-SM); dense;<br>ostly fine to coarse<br>plastic; micaceous |
|              | _                         |               |            |   |             |          |              |                      |                   | -                           | -                               | Total Depth:  | 361%           | Feet                       |                         |   |
|              | <u>760</u>                |               |            |   |             |          |              |                      |                   | -                           |                                 | Groundwater   |                |                            | d                       |   |
|              |                           |               |            |   |             |          |              |                      |                   |                             |                                 |   |                |                            |                         |   |
|              |                           |               |            |   |             |          |              |                      |                   |                             |                                 |   |                |                            |                         |   |
| _40          |                           |               |            |   |             |          |              |                      |                   | 40 —                        |                                 |   |                |                            |                         |   |
|              | _                         |               |            |   |             |          |              |                      |                   | -                           | -                               |   |                |                            |                         |   |
|              | _                         |               |            |   |             |          |              |                      |                   | -                           |                                 |   |                |                            |                         |   |
|              | 755                       |               |            |   |             |          |              |                      |                   | _                           |                                 |   |                |                            |                         |   |
|              |                           |               |            |   |             |          |              |                      |                   |                             |                                 |   |                |                            |                         |   |
|              |                           |               |            |   |             |          |              |                      |                   |                             |                                 |   |                |                            |                         |   |
| _45          | _                         |               |            |   |             |          |              |                      |                   | 45 —                        | 1                               |   |                |                            |                         |   |
|              | -                         |               |            |   |             |          |              |                      |                   | -                           | -                               |   |                |                            |                         |   |
|              | _                         |               |            |   |             |          |              |                      |                   | -                           | -                               |   |                |                            |                         |   |
|              | 750                       |               |            |   |             |          |              |                      |                   | -                           |                                 |   |                |                            |                         |   |
|              |                           |               |            |   |             |          |              |                      |                   | -                           |                                 |   |                |                            |                         |   |
|              |                           |               |            |   |             |          |              |                      |                   |                             |                                 |   |                |                            |                         |   |
| GR           |                           |               |            | A CON                                       |             |          |              | INC                  | OF<br>SU<br>LO    | THIS B<br>IBSURF<br>ICATION | ORING AI<br>ACE CON<br>IS AND M | PLIES ONLY AT THE TIME OF THE TIME OF THE TIME OF THE TIME OF THE | OF DF<br>FER A | RILLING.<br>AT OTHER       |                         | FIGURE  |
|              |                           |               |            | , Calif                                     |             |          |              |                      | PR                | RESENTE                     | ED IS A S                       | E OF TIME. THE D<br>IMPLIFICATION OF<br>UNTERED.  |                | E ACTUAL                   |                         | A-8 b   |

| F            | 30R                 | NI (        | G F        | RECC  | )RD         | ۱ ۱    | PROJE           |                   |                      | ınitı II                   | nonital   |   |  | PROJE<br>SD8                        | CT NUME                  | BER            | BORING B-04                                  |
|--------------|---------------------|-------------|------------|---|-------------|--------|-----------------|-------------------|----------------------|----------------------------|---|---|--|-------------------------------------|--------------------------|----------------|--|
|              | CATION              |             | <u> </u>   | <u>,_</u>                                   | /           |        | Kivers          | iae C             | ommı                 | unity H                    | ospital   | START   | •                                      |                                     | INISH                    |                | SHEET NO.                                    |
| Propo        | osed P              | arking      | g Gara     | age and                                     | Tower       | Sites  |                 |                   |                      |                            |   | 4/4/2   |  |                                     | 4/4/202                  | 24             | 1 of 2                                       |
| RILLIN       | IG COM              | PANY        |            |   |             |        |                 | 1                 |                      | ETHOD                      |   | 1   |  | LOGG                                |                          |                | HECKED BY                                    |
|              | w Jack              |             |            |   |             |        |                 |                   |                      | tem Au                     |   | DTU (6)   |  | JW                                  |                          |                | MAF  |
|              | IG EQUI             |             |            | s Rig #1                                    | 42          |        |                 | 8<br>8            | NG DIA               | (IN)                       | 31  | :ΡΙΗ (π) Ο                                      | 794                                    | ) ELEV                              | I .                      | ıнÆLEV<br>/ na | . GROUNDWATER                                |
|              | NG MET              |             | 10000      | ortig # i                                   |             |        | NOTE            |                   |                      |                            | 1 01  |   | 701                                    |                                     | <del>*</del>             | , ,,a          |  |
| lamr         | ner: 14             | l0 lbs.     | , Dro      | p: 30 in.                                   | (Auton      | natic) | ETF             | R ~ 74            | %, N <sub>6</sub>    | <sub>0</sub> ~ 74/         | 60 * N ~ 1.   | 23 * N  |  |                                     |                          |                |  |
| DEPTH (feet) | ELEVATION<br>(feet) | SAMPLE TYPE | SAMPLE NO. | PENETRATION<br>RESISTANCE<br>(BLOWS / 6 IN) | BLOW/FT "N" | Z      | MOISTURE<br>(%) | DRY DENSITY (pcf) | OTHER<br>TESTS       | DEPTH (feet)               | GRAPHIC<br>LOG  |   | DESC                                   | CRIPTIC                             | N AND C                  | LASSIFI        | CATION                                       |
|              |                     |             | D 4        |   |             |        |                 |                   |                      | -                          |   |   | owish b                                | rown (                              | 10ÝR 4/4                 | l); mois       | dium dense;<br>t; mostly fine to             |
| 5            | 790                 |             | B-1        |   |             |        |                 |                   |                      | -<br>5 —                   |   | YOUNG<br>yellowish<br>medium                    | n brown                                | (10YR                               | 5/6); mo                 | oist; mo       | M); loose;<br>stly fine to                   |
| ,            | <del>-</del>        | X           | R-2        | 3<br>4<br>4                                 | 8           | 7      | 9.4             | 112               | PA<br>DS             | -<br>-<br>-                |   | (0% Gra   | vel; 65%                               | % Sand                              | l; 35% Fi                | nes)           |  |
| 10           | 785<br>             |             | S-3        | 2<br>2<br>2<br>2                            | 4           | 5      |                 |                   |                      | -<br>10 —<br>-             |   |   | (4); moi                               | st; mos                             |                          |                | wish brown<br>Im SAND; some                  |
| 15           | —780<br>—           | X           | R-4        | 5<br>9<br>11                                | 20          | 16     | 2.6             | 111               |                      | -<br>15 —<br>-             |   |   | ellowisł<br>SAND;                      | h browr                             | 1 (10YR                  | 5/6); mo       | · — — — — — — — — — — — — — — — — — — —      |
| 20           | 775<br>             |             | S-5        | 14<br>27<br>43                              | 70          | 86     |                 |                   |                      | 20 —<br>-<br>-<br>-        |   | GRAVEL  | _(SW);<br>ostly fin                    | very dene SAN                       | ense; str<br>D; little ( | ong bro        | AND WITH<br>wn (7.5YR 5/8);<br>_; few fines; |
|              | <b>OUP</b><br>924   | 5 A         | ctivi      | A CON                                       | ad, S       | uite   | 103             | INC               | OF<br>SU<br>LO<br>WI | THIS BOBSURFACATION TH THE | MARY APPLI<br>ORING AND<br>ACE CONDIT<br>S AND MAY<br>PASSAGE C<br>ED IS A SIMF | AT THE TI<br>TONS MAY<br>CHANGE A<br>OF TIME. T | ME OF I<br>OIFFEI<br>AT THIS<br>HE DAT | DRILLIN<br>R AT O'<br>S LOCA'<br>FA | ng.<br>Ther<br>Tion      |                | FIGURE<br>A-9 a                              |

|                              | 3OR                          |                | G F        | RECC  | RD          | ١ ١            | PROJE<br>Rivers |                   |                            | unity H                         | ospital   | STAF  |   | SD80                                   | T NUMBE          | ER        | BORING B-04 SHEET NO.                  |
|------------------------------|------------------------------|----------------|------------|---|-------------|----------------|-----------------|-------------------|----------------------------|---------------------------------|---|---|---|--|------------------|-----------|--|
| DRILLII                      | <b>vg com</b><br>w Jack      | PANY<br>et Dri | lling      | age and                                     | Tower       | Sites          |                 | Hol               | low St                     | <b>ETHOD</b><br>tem Au          |   | 4/4   | 1/2024  | LOGGE<br>JWJ                           | 1/4/2024<br>D BY | CHE<br>M/ | 2 of 2<br>CKED BY<br>AF                |
| CME                          | NG EQUI<br>75 Lim<br>ING MET | nited A        |            | s Rig #1                                    | 42          |                | NOTES           | 8                 | NG DIA                     | (in)                            | 31  | DEPTH (ft)  | GROUNE<br>794                                   | ELEV (f                                | t) DEPTI         |           | ROUNDWATER (ft)                        |
| Hami                         | mer: 14                      | 0 lbs.         | ., Dro     | p: 30 in.                                   | (Auton      | natic)         | ETR             | ? ~ 74            | %, N <sub>6</sub>          | <sub>0</sub> ~ 74/              | 60 * N ~  | 1.23 * N  |   |  |                  |           |  |
| DEPTH (feet)                 | ELEVATION<br>(feet)          | SAMPLE TYPE    | SAMPLE NO. | PENETRATION<br>RESISTANCE<br>(BLOWS / 6 IN) | BLOW/FT "N" | Z <sup>o</sup> | MOISTURE<br>(%) | DRY DENSITY (pcf) | OTHER<br>TESTS             | DEPTH (feet)                    | GRAPHIC<br>LOG  |   | DESC  | CRIPTION                               | I AND CL         | ASSIFICA  | TION                                   |
| -<br>-<br>-<br>-<br>30       |                              | X              | R-6        | 40<br>50<br>(4")                            | 100+        | 100+           |                 |                   |                            | -<br>-<br>-<br>-<br>30 —        |   | GRAVI<br>moist;   | LLUVIUM<br>EL (SW);<br>mostly fin<br>stic; mica | very der<br>ne SAND                    | nse; stro        | ng browr  | D WITH<br>n (7.5YR 5/8);<br>few fines; |
| -<br>-                       |                              |                | 5-7        | 50  | 76          | 93             |                 |                   |                            | -<br>-<br>-                     |   | Total D<br>Ground   | epth: 31<br>dwater No                           | Feet<br>ot Encou                       | ntered           |           |  |
| 35<br>-<br>-                 | _                            |                |            |   |             |                |                 |                   |                            | 35 —<br>-                       | -   |   |   |  |                  |           |  |
| -<br>40<br>-                 | 755<br>                      |                |            |   |             |                |                 |                   |                            | -<br>40 —                       | -   |   |   |  |                  |           |  |
| -<br>-<br>-<br>-<br>-<br>-45 | 750                          |                |            |   |             |                |                 |                   |                            | -<br>-<br>45 —                  | -   |   |   |  |                  |           |  |
|                              | <br><br>745                  |                |            |   |             |                |                 |                   |                            | -<br>-<br>-                     | -   |   |   |  |                  |           |  |
| GR                           | 924                          | 5 A            | ctivi      | A CON<br>ty Roa<br>, Calif                  | ad, S       | uite           | 103             | INC               | OF<br>SU<br>LO<br>WI<br>PR | THIS BOURFACATION TH THE ESENTE | MARY APP<br>ORING AN<br>ACE COND<br>IS AND MA<br>PASSAGE<br>ED IS A SIN<br>NS ENCOL | D AT THE<br>DITIONS MA<br>Y CHANGI<br>OF TIME.<br>MPLIFICAT | TIME OF I<br>AY DIFFE<br>E AT THIS<br>THE DAT   | DRILLING<br>R AT OTI<br>S LOCATI<br>FA | G.<br>HER<br>ON  | F         | FIGURE<br>A-9 b                        |

| F            | 30R                     | IN          | G F        | RECC  | )RD         | ۱ ۱    | PROJE        |                      |                     | unity H                  | oenital   |                                  |                                 | PROJECT<br>SD809                     |                             | BORING<br>B-05   |
|--------------|-------------------------|-------------|------------|---|-------------|--------|--------------|----------------------|---------------------|--------------------------|---|----------------------------------|---------------------------------|--------------------------------------|-----------------------------|--|
| Prop         | osed P                  | ı<br>arkinç |            | age and                                     |             |        | Nivers       |                      |                     |                          | озрікаі   | STAF<br>4/4                      | кт<br>/2024                     | FINI<br>4/-                          | s <b>н</b><br>4/2024        | <b>SHEET NO.</b> 1 of 2                                      |
|              | <b>vg com</b><br>w Jack |             | lling      |   |             |        |              |                      |                     | <b>ETHOD</b><br>tem Au   | ıaer  |                                  |                                 | LOGGED                               | BY                          | MAF  |
|              | NG EQUI                 |             | -          |   |             |        |              |                      | NG DIA              |                          |   | DEPTH (ft)                       | GROUN                           |                                      | DEPTH/EL                    | EV. GROUNDWATER  |
|              |                         |             | Acces      | s Rig #1                                    | 42          |        |              | 8                    |                     |                          | 31.5  |                                  | 796                             |                                      | ▼ / na                      |  |
|              | ING MET                 |             | Dro        | p: 30 in.                                   | (Auton      | actic) | NOTES        |                      | 0/. NI              | ~ 74/                    | 60 * N ~ 1  | 1 22 * N                         |                                 |                                      |                             |  |
| ı ıaıııı     | 11161. 14               | o ibs       | ., DIO     |   | (Auton      |        | EIR          | 14                   | 70, IN <sub>6</sub> | 0 74/                    | 1 1   | 1.23 IN                          |                                 |                                      |                             |  |
| DEPTH (feet) | ELEVATION<br>(feet)     | SAMPLE TYPE | SAMPLE NO. | PENETRATION<br>RESISTANCE<br>(BLOWS / 6 IN) | BLOW/FT "N" | ް      | MOISTURE (%) | DRY DENSITY<br>(pcf) | OTHER<br>TESTS      | DEPTH (feet)             | GRAPHIC<br>LOG                                    |                                  | DES                             | CRIPTION A                           | ND CLASS                    | IFICATION  |
|              | 795<br>                 |             | B-1        |   |             |        |              |                      |                     | -                        |   | dark ye<br>mediur                | llowish l                       | brown (10Ý<br>; some fine            | 'R 4/4); mo                 | nedium dense;<br>oist; mostly fine to<br>tic. Contains trash |
| _5           | 790<br>                 |             | R-2        | 1<br>2<br>4                                 | 6           | 5      | 12.6         | 106                  | PA                  | 5 —<br>-<br>-            | -   | yellowi<br>fine to               | sh browr<br>medium              |                                      | 6); moist; r<br>nplastic; m | (ML); loose; dark<br>nostly fines; some<br>icaceous.         |
| -10          | 785<br>                 |             | S-3        | 6<br>7<br>10                                | 17          | 21     |              |                      |                     | -<br>10 —<br>-<br>-      |   | brown                            | (10YR 4)                        |                                      | mostly fine                 | e; dark yellowish<br>to medium SAND;<br>s.                   |
| -15          | 780<br>                 |             | R-4        | 10<br>32<br>60                              | 92          | 75     | 6.5          | 127                  |                     | -<br>15 —<br>-<br>-      |   | (SC); v<br>mostly                | ery dens                        | se; yellowis<br>oarse SAN            | h brown (1                  | WITH GRAVEL<br>10YR 5/6); moist;<br>nes; little GRAVEL;      |
| -20          | 775<br>                 |             | S-5        | 10<br>13<br>20                              | 33          | 41     |              |                      |                     | -<br>20 —<br>-<br>-<br>- |   | very pa<br>5/8); m               | ile browr<br>oist; mo:          | า (10YR 8/4                          | 4) to yellow<br>coarse SA   | (SW-SC); dense;<br>vish brown (10YR<br>ND; little fines; few |
| GR           |                         |             |            | A CON                                       |             |        |              | INC                  | OF<br>SU<br>LO      | THIS BOURFACATION        | MARY APPL<br>ORING AND<br>ACE CONDI<br>IS AND MAY | O AT THE<br>ITIONS MAY<br>CHANGI | TIME OF<br>AY DIFFE<br>E AT THI | DRILLING.<br>ER AT OTHE<br>S LOCATIO | ₽R                          | FIGURE   |
|              |                         |             |            | , Calif                                     |             |        |              |                      | WI<br>PR            | TH THE<br>ESENTE         | PASSAGE<br>ED IS A SIM<br>NS ENCOU                | OF TIME.<br>IPLIFICAT            | THE DA                          | TA                                   |                             | A-10 a   |

| F            | 30R                       | IN          | G F        | RECO  | )RD         | ١         | PROJE        |                      |                     | unity Ho                   | nenital                         |   |                               | PROJECT<br>SD809           |                              | BORING B-05  |
|--------------|---------------------------|-------------|------------|---|-------------|-----------|--------------|----------------------|---------------------|----------------------------|---------------------------------|---|-------------------------------|----------------------------|------------------------------|--|
| Propo        | osed P                    | ı<br>arkinç |            | age and                                     |             |           | Rivers       |                      |                     |                            | ospitai                         | STAF  | rt<br>/2024                   | FINI<br>4/                 | <b>sн</b><br>4/2024          | SHEET NO.<br>2 of 2  |
|              | <b>vg сом</b> і<br>w Jack |             | illing     |   |             |           |              |                      |                     | ETHOD                      | ıaor                            |   |                               | LOGGED<br>JWJ              | BY                           | CHECKED BY<br>MAF  |
|              | NG EQUI                   |             |            |   |             |           |              |                      | NG DIA              | tem Au                     |                                 | DEPTH (ft)  | GROUN                         | 1                          | DEPTH/EL                     | EV. GROUNDWATER (  |
|              |                           |             | Acces      | s Rig #1                                    | 42          |           |              | 8                    |                     | . ,                        | 31.5                            |   | 796                           | . ,                        | ▼ / na                       |  |
|              | ING MET                   |             | Dro        | p: 30 in.                                   | (Auton      | actic)    | NOTES        |                      | 0/ NI               | - 74/                      | 60 * N -                        | 1 22 * N  |                               |                            |                              |  |
| Hami         | mer: 14                   | Edi Ds      | ., Dio     | p: 30 in.                                   | (Auton      | nauc)     | EIR          | ~ 74                 | .%, IN <sub>∈</sub> | <sub>0</sub> ~ 74/         | 00 " N ~                        | 1.23 * N  |                               |                            |                              |  |
| DEPTH (feet) | ELEVATION<br>(feet)       | SAMPLE TYPE | SAMPLE NO. | PENETRATION<br>RESISTANCE<br>(BLOWS / 6 IN) | BLOW/FT "N" | ž         | MOISTURE (%) | DRY DENSITY<br>(pcf) | OTHER<br>TESTS      | DEPTH (feet)               | GRAPHIC<br>LOG                  |   | DES                           | CRIPTION A                 | AND CLASS                    | IFICATION  |
|              | 770<br>                   |             | R-6        | 9<br>17<br>22                               | 39          | 32        | 13.5         | 109                  |                     | -<br>-<br>-                |                                 | GRAVE<br>yellowis   | L (SW)<br>sh browr<br>n SAND: | ; dense; ve<br>n (10YR 5/- | ery pale bro<br>4); moist; r | SAND WITH<br>own (10YR 8/2) to<br>mostly fine to<br>fines; nonplastic; |
| _30          | <br>765                   | X           | S-7        | 10<br>27<br>50                              | 77          | 95        |              |                      |                     | 30 —<br>-                  |                                 | Very pa<br>(10YR  | ale brow<br>6/4); ver         | n (10YR 8/<br>y dense.     | (3) to light                 | yellowish brown  |
|              | _                         |             |            |   |             |           |              |                      |                     | -                          | -                               | Total D<br>Ground   | epth: 31<br>lwater N          | ½ Feet ot Encount          | tered                        |  |
| _35          | _                         |             |            |   |             |           |              |                      |                     | 35 —                       |                                 |   |                               |                            |                              |  |
|              | 760                       |             |            |   |             |           |              |                      |                     | _                          | _                               |   |                               |                            |                              |  |
|              |                           |             |            |   |             |           |              |                      |                     | _                          |                                 |   |                               |                            |                              |  |
|              |                           |             |            |   |             |           |              |                      |                     |                            |                                 |   |                               |                            |                              |  |
|              | _                         |             |            |   |             |           |              |                      |                     | -                          | -                               |   |                               |                            |                              |  |
|              | _                         |             |            |   |             |           |              |                      |                     | -                          | -                               |   |                               |                            |                              |  |
| <b>_40</b>   | _                         |             |            |   |             |           |              |                      |                     | 40                         | _                               |   |                               |                            |                              |  |
|              | 755                       |             |            |   |             |           |              |                      |                     | _                          |                                 |   |                               |                            |                              |  |
|              | -                         |             |            |   |             |           |              |                      |                     |                            |                                 |   |                               |                            |                              |  |
|              |                           |             |            |   |             |           |              |                      |                     | _                          | 1                               |   |                               |                            |                              |  |
|              | -                         |             |            |   |             |           |              |                      |                     | -                          | 1                               |   |                               |                            |                              |  |
|              | <u> </u>                  |             |            |   |             |           |              |                      |                     | _                          | -                               |   |                               |                            |                              |  |
| <b>-</b> 45  | _                         |             |            |   |             |           |              |                      |                     | 45 <u>—</u>                |                                 |   |                               |                            |                              |  |
| -            | 750                       |             |            |   |             |           |              |                      |                     |                            |                                 |   |                               |                            |                              |  |
|              | <del></del> 750           |             |            |   |             |           |              |                      |                     | -                          | 1                               |   |                               |                            |                              |  |
|              | -                         |             |            |   |             |           |              |                      |                     | -                          | 1                               |   |                               |                            |                              |  |
|              | <u> </u>                  |             |            |   |             |           |              |                      |                     | -                          | -                               |   |                               |                            |                              |  |
|              | _                         |             |            |   |             |           |              |                      |                     | _                          | -                               |   |                               |                            |                              |  |
| GR           | OUP                       | DE          | LTA        | A CON                                       | ISUL        | L<br>ATAN | NTS,         | INC                  | C. OF               | THIS B                     | ORING AI                        | PLIES ONLY  | TIME OF                       | DRILLING.                  |                              | FIGURE   |
|              | 924                       | 5 A         | ctivi      | ty Roa<br>, Calif                           | ad, S       | uite      | 103          |                      | LO<br>Wi<br>PR      | CATION<br>TH THE<br>ESENTE | S AND M.<br>PASSAG<br>ED IS A S | DITIONS MAY CHANGE<br>E OF TIME.<br>IMPLIFICAT<br>OUNTERED. | AT THIS                       | S LOCATIO<br>TA            | N                            | A-10 b   |

| Е            | 30R                 | IN(         | G F        | RECO  | DRD         | ١ ١    | PROJE<br>Rivers |                   |                   | unity H          | ospital   |                    |                         | PROJECT<br>SD809                     |                          |                     | BORING<br>B-06                             |
|--------------|---------------------|-------------|------------|---|-------------|--------|-----------------|-------------------|-------------------|------------------|---|--------------------|-------------------------|--------------------------------------|--------------------------|---------------------|--|
|              | CATION              |             | _          |   | _           |        |                 |                   |                   | <b>-</b>         |   | STAR               |                         | FINI                                 | SH                       |                     | SHEET NO.                                  |
|              | osed P<br>IG COM    |             | g Gar      | age and                                     | Tower       | Sites  |                 | DRILI             | ING M             | ETHOD            |   | 4/3/               | /2024                   | LOGGED                               | 4/2024<br>BY             | CHE                 | 1 of 2<br>CKED BY                          |
|              | w Jack              |             | lling      |   |             |        |                 |                   |                   | tem Au           | ıger  |                    |                         | JWJ                                  | ٥.                       | MA                  |  |
|              | IG EQUI             |             |            |   |             |        |                 |                   | NG DIA            | . (in)           | I   | EPTH (ft)          |                         | ELEV (ft)                            |                          |                     | ROUNDWATER                                 |
|              | 75 LIM              |             | Acces      | s Rig #1                                    | 42          |        | NOTE            | 8<br>s            |                   |                  | 31.5  |                    | 794                     |                                      | ▼ / na                   | a                   |  |
| Hamr         | ner: 14             | l0 lbs      | ., Dro     | p: 30 in.                                   | (Auton      | natic) | ETF             | ? ~ 74            | %, N <sub>6</sub> | ~ 74/            | 60 * N ~ 1.   | 23 * N             |                         |                                      |                          |                     |  |
| DEPTH (feet) | ELEVATION<br>(feet) | SAMPLE TYPE | SAMPLE NO. | PENETRATION<br>RESISTANCE<br>(BLOWS / 6 IN) | BLOW/FT "N" | 20     | MOISTURE<br>(%) | DRY DENSITY (pcf) | OTHER<br>TESTS    | DEPTH (feet)     | GRAPHIC<br>LOG  |                    | DESC                    | RIPTION A                            | AND CLAS                 | SIFICA <sup>-</sup> | TION                                       |
|              |                     |             |            |   |             |        |                 |                   |                   |                  | P 5 4 P   | PAVEN              | IENT:4-iı               | nches Por                            | tland Cer                | ment C              | oncrete.                                   |
|              |                     |             | B-1        |   |             |        |                 |                   | PA                | -<br>-           |   | dark ye            | llowish bi              | ND (SM);<br>rown (10Y<br>dium SAN    | 'R 3/6); m               | noist; n            | m dense;<br>nostly fines;<br>nicaceous.    |
| -5           | 790                 |             |            |   |             |        |                 |                   | EI<br>CR<br>R     | 5 —              |   | dark yel<br>medium | llowish bi<br>SAND;     |                                      | 'R 4/4); m<br>s; low pla | noisṫ; m            | C); loose;<br>nostly fine to<br>Sample has |
|              | _                   | X           | S-2        | 2<br>2<br>2                                 | 4           | 5      |                 |                   |                   | -                |   |                    |                         | ying vege<br>5 Sand; 4               |                          | )                   |  |
|              | 785                 |             |            |   |             |        |                 |                   |                   | -                |   | (10YR 8            | 3/4) to ye              | SAND (S<br>llowish br<br>AND; little | own (10Y                 | 'R 5/6)             | pale brown moist; mostly fines;            |
| -10          |                     | X           | R-3        | 10<br>24<br>36                              | 60          | 49     | 13.1            | 114               |                   | 10 —             |   | nonplas            | tic.                    |                                      |                          |                     |  |
|              | _                   |             |            | 00  |             |        |                 |                   |                   | -                |   |                    |                         |                                      |                          |                     |  |
| -15          | 780<br>             |             |            |   |             |        |                 |                   |                   | -<br>15 —        |   | OLD AL             | LUVIUN                  | <u>I</u> : SILTY                     | SAND W                   | TITH GF             | RAVEL (SM);                                |
|              | _                   |             | S-4        | 12<br>26<br>30                              | 56          | 69     |                 |                   |                   | -                |   | fine to n          | nedium S                | SAND; sor                            | me fines;                | little G            | moist, mostly<br>RAVEL;                    |
|              | —<br>—775           |             | B-5        |   |             |        |                 |                   |                   | _                |   |                    |                         |                                      |                          |                     |  |
| 00           |                     |             |            |   |             |        |                 |                   |                   | _                |   |                    |                         |                                      |                          |                     |  |
| -20          |                     | X           | R-6        | 26<br>50<br>(5")                            | 100+        | 100+   |                 |                   |                   | 20 —             |   | dense; (10YR 6     | very pale<br>5/8); mois |                                      | 0YR 8/3)<br>fine to co   | to brow<br>arse S   | wnish yellow<br>AND; few                   |
|              | _                   |             |            |   |             |        |                 |                   |                   | -                |   | , -                |                         |                                      | ,                        |                     |  |
|              | <u> </u>            |             |            |   |             |        |                 |                   |                   | _                |   |                    |                         |                                      | · · · · ·                |                     |  |
| GR           | OUP                 | DE          | LTA        | A CON                                       | NSUL        | .TAN   | NTS,            | INC               | ر OF              | THIS B           | MARY APPLI<br>ORING AND                               | AT THE T           | IME OF D                | DRILLING.                            |                          | F                   | IGURE                                      |
|              | 924                 | 5 A         | ctivi      | ty Roalit                                   | ad, S       | uite   | 103             |                   | LO                | CATION<br>TH THE | ACE CONDIT<br>IS AND MAY<br>PASSAGE C<br>ED IS A SIMF | CHANGE<br>F TIME.  | AT THIS                 | LOCATIO<br>A                         | N                        |                     | A-11 a                                     |

| SITE LO                            | CATION                       | ı                         |            | RECC  |             |        | PROJE<br>Rivers |                   |                            | unity H                         | ospital  | STAF   | RT   | SD80                                  | T NUMBE         | R                             | BORING B-06 SHEET NO.                      |
|------------------------------------|------------------------------|---------------------------|------------|---|-------------|--------|-----------------|-------------------|----------------------------|---------------------------------|--|--|--|---------------------------------------|-----------------|-------------------------------|--|
| DRILLII<br>Yello<br>DRILLII<br>CME | NG COMI<br>W Jack<br>NG EQUI | PANY et Dri PMENT nited A | lling      | age and                                     |             | Sites  | NOTES           | Hol<br>BORII<br>8 |                            | ETHOD<br>tem Au<br>(in)         |  |  | GROUNE<br>794                                  | LOGGEI<br>JWJ                         |                 | CHE<br>M <i>i</i><br>MELEV. G | 2 of 2<br>CKED BY<br>AF<br>ROUNDWATER (ff) |
|                                    |                              |                           | , Dro      | p: 30 in.                                   | (Auton      | natic) |                 |                   | %, N <sub>6</sub>          | <sub>0</sub> ~ 74/              | 60 * N ~   | 1.23 * N   |  |                                       |                 |                               |  |
| DEPTH (feet)                       | ELEVATION<br>(feet)          | SAMPLE TYPE               | SAMPLE NO. | PENETRATION<br>RESISTANCE<br>(BLOWS / 6 IN) | BLOW/FT "N" | ° Z°   | MOISTURE<br>(%) | DRY DENSITY (pcf) | OTHER<br>TESTS             | DEPTH (feet)                    | GRAPHIC<br>LOG   |  | DESC   | CRIPTION                              | AND CLA         | ASSIFICA                      | TION                                       |
| -<br>-<br>-<br>-<br>-30            |                              |                           | S-7        | 7<br>25<br>25<br>25                         | 50          | 62     |                 |                   |                            | -<br>-<br>-<br>-<br>30 —        |  | very de  | ense; yello<br>medium S                        | owish br                              | own (10)        | /R 5/6);                      | RAVEL (SM);<br>moist; mostly<br>GRAVEL;    |
| -<br>-<br>35<br>-                  | 760<br>                      |                           |            |   |             |        |                 |                   |                            | -<br>-<br>35 —<br>-             | 6.7.1.9  |  | epth: 31½                                      |                                       | ntered          |                               |  |
| 40                                 | 755<br>                      |                           |            |   |             |        |                 |                   |                            | -<br>40 —<br>-                  |  |  |  |                                       |                 |                               |  |
| 45                                 | 750<br>                      |                           |            |   |             |        |                 |                   |                            | -<br>45 —<br>-<br>-             |  |  |  |                                       |                 |                               |  |
|                                    | 745                          |                           |            |   |             |        |                 |                   |                            | -                               | -  |  |  |                                       |                 |                               |  |
| GR                                 | 924                          | 5 A                       | ctivi      | A CON<br>ity Roa<br>o, Calif                | ad, S       | uite   | 103             | INC               | OF<br>SU<br>LO<br>WI<br>PR | THIS BOURFACATION TH THE ESENTE | MARY APP<br>ORING ANI<br>ACE COND<br>IS AND MA<br>PASSAGE<br>ED IS A SIN<br>NS ENCOL | D AT THE<br>DITIONS MAY<br>OF TIME.<br>MPLIFICAT | TIME OF I<br>AY DIFFEI<br>E AT THIS<br>THE DAT | DRILLING<br>R AT OTI<br>S LOCATI<br>A | G.<br>HER<br>ON |                               | FIGURE<br>A-11 b                           |

| E            | 30F                 | RIN         | G F        | RECO  | ORD         | )                      | PROJE<br>Rivers |                                       |                     | unity H       | ospital                   |            |                       | PROJECT<br>SD809           |                             | BORING B-07                              |
|--------------|---------------------|-------------|------------|---|-------------|------------------------|-----------------|---------------------------------------|---------------------|---------------|---------------------------|------------|-----------------------|----------------------------|-----------------------------|--|
|              | CATION              |             | . 0        |   | <b>T</b>    | 0:4                    |                 |                                       |                     |               | ·                         | STAR       |                       | FINI                       |                             | SHEET NO.                                |
|              | osed P<br>NG COM    |             | g Gar      | age and                                     | Iower       | Sites                  |                 | DRILI                                 | ING M               | ETHOD         |                           | 4/4/       | 2024                  | LOGGED                     | 4/2024<br>BY                | 1 of 2                                   |
|              | w Jack              |             | Ilina      |   |             |                        |                 |                                       |                     | tem Au        | ıaer                      |            |                       | JWJ                        | J.                          | MAF                                      |
|              | NG EQUI             |             |            |   |             |                        |                 |                                       | NG DIA              |               |                           | PTH (ft)   | GROUND                | ELEV (ft)                  | DEPTH/EL                    | .EV. GROUNDWATER                         |
|              |                     |             | Acces      | s Rig #1                                    | 42          |                        |                 | 8                                     |                     |               | 28                        |            | 794                   |                            | ▼ / na                      |  |
|              | .ING MET            |             | Dro        | p: 30 in.                                   | (Auton      | natic)                 | NOTE            |                                       | % N                 | ~ 7//         | 60 * N ~ 1.2              | 23 * N     |                       |                            |                             |  |
| ı ıaııı      | 11161. 15           | lo ibs      | ., Dio     |   | (Auton      |                        | L 11            | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | 70, IN <sub>6</sub> | 30 - 7 - 7    | 1 1.2                     | 20 11      |                       |                            |                             |  |
| et)          | z                   | 뮙           | o.         | PENETRATION<br>RESISTANCE<br>(BLOWS / 6 IN) | ż           |                        | ш               | ≥                                     |                     | et )          |                           |            |                       |                            |                             |  |
| DEPTH (feet) | ELEVATION<br>(feet) | SAMPLE TYPE | SAMPLE NO. | RAT<br>STAN                                 | BLOW/FT "N" | <b>Z</b> <sup>00</sup> | MOISTURE<br>(%) | IS (£                                 | OTHER<br>TESTS      | DEPTH (feet)  | GRAPHIC<br>LOG            |            | DECC                  | DIDTION A                  | ND CLASS                    | IFICATION                                |
| ΞĐΤ          | EV.                 | /PLI        | MP         | NET NO.                                     | ,<br>o      | _                      | OIS<br>(%)      | 7 9                                   | <del> </del>        | l H           | LC LC                     |            | DESC                  | KIPTION                    | AND CLASS                   | IFICATION                                |
| D            |                     | SAN         | 8          | <u> </u>                                    | BI          |                        | Σ               | DRY DENSITY (pcf)                     |                     | _ B           |                           |            |                       |                            |                             |  |
|              |                     | XXX         | 1          |   |             |                        |                 |                                       |                     |               | :/: /: /                  |            |                       |                            |                             |  |
|              |                     | $\bowtie$   |            |   |             |                        |                 |                                       |                     | _             |                           |            |                       |                            |                             | o medium dense;                          |
|              |                     |             |            |   |             |                        |                 |                                       |                     |               |                           | fine to m  | iowish bi<br>nedium S | rown (101<br>SAND; soi     | 'R 3/6); mo<br>me fines; li | oist to wet; mostly<br>ittle GRAVEL; low |
|              | _                   |             | B-1        |   |             |                        |                 |                                       |                     | -             |                           | plasticity |                       | •                          | •                           | ·  |
|              | _                   | $\bowtie$   | D-1        |   |             |                        |                 |                                       |                     | -             |                           | VOLING     | ΔΙΙΙΙ                 | IIIM: SII                  | TV SAND                     | (SM); loose to                           |
|              | 790                 |             |            |   |             |                        |                 |                                       |                     |               |                           | medium     | dense;                | yellowish                  | brown (10)                  | ÝR 4/6); moist;                          |
|              | 730                 | $\bowtie$   |            |   |             |                        |                 |                                       |                     | _             |                           | mostly fi  | ne SANI               | D; some f                  | ines; mica                  | ceous; nonplastic.                       |
| -5           | _                   | $\times$    |            | 2   |             |                        |                 |                                       |                     | 5 _           |                           |            |                       |                            |                             |  |
|              | _                   | X           | S-2        | 3   | 8           | 10                     |                 |                                       |                     | _             |                           |            |                       |                            |                             |  |
|              |                     |             |            | 5   |             |                        |                 |                                       |                     |               |                           |            |                       |                            |                             |  |
|              |                     |             |            |   |             |                        |                 |                                       |                     | -             |                           |            |                       |                            |                             |  |
|              |                     |             |            |   |             |                        |                 |                                       |                     | -             | _                         |            |                       |                            |                             |  |
|              | 785                 |             |            |   |             |                        |                 |                                       |                     | _             |                           |            |                       |                            |                             | wish brown (10YR                         |
|              |                     |             |            |   |             |                        |                 |                                       |                     |               |                           | 4/6); mo   | ist; mosi<br>RAVEL: i | tly fines; s<br>nonplastic | some fine t<br>c; micaceo   | o medium SAND;<br>us.                    |
| -10          | _                   |             | i          | 2   |             |                        |                 |                                       |                     | 10            | 1                         |            |                       | •                          |                             |  |
|              |                     |             | R-3        | 4<br>5                                      | 9           | 7                      | 15.7            | 113                                   | PA                  | -             |                           | (1% Gra    | ivei, 39%             | o Sariu, o                 | 0% Fines)                   |  |
|              |                     |             |            | 3   |             |                        |                 |                                       |                     |               |                           |            |                       |                            |                             |  |
|              |                     |             |            |   |             |                        |                 |                                       |                     | _             | ]                         |            |                       |                            |                             |  |
|              | _                   |             |            |   |             |                        |                 |                                       |                     | -             |                           |            |                       |                            |                             |  |
|              | 780                 |             |            |   |             |                        |                 |                                       |                     | _             |                           |            |                       |                            |                             | (SW-SM); medium to yellowish brown       |
| -15          |                     |             |            |   |             |                        |                 |                                       |                     | 15            |                           | (10YR 5    | /6); mois             | st; mostly                 | fine to coa                 | arse SAND; trace                         |
| -15          |                     |             | 1 .        | 3   |             |                        |                 |                                       |                     | 15            |                           | fines; tra | ace GRA               | VEL; non                   | plastic.                    |  |
|              | _                   | X           | S-4        | 7<br>15                                     | 22          | 27                     |                 |                                       |                     | -             |                           |            |                       |                            |                             |  |
|              |                     |             |            |   |             |                        |                 |                                       |                     | _             |                           |            |                       |                            |                             |  |
|              |                     |             |            |   |             |                        |                 |                                       |                     |               |                           |            |                       |                            |                             |  |
|              | _                   |             |            |   |             |                        |                 |                                       |                     | -             | اظ اما م                  | <u> </u>   |                       |                            | 0545                        | 2445 (2)("                               |
|              | 775                 |             |            |   |             |                        |                 |                                       |                     | -             |                           |            |                       |                            |                             | SAND (SW); very to brownish yellow       |
| -20          |                     |             |            |   |             |                        |                 |                                       |                     | 20 —          |                           | (10YR 6    | /8); mois             | st; mostly                 | fine to coa                 | arse SAND; few                           |
| -20          |                     |             | D -        | 16  | 0.4         | 60                     | F 0             | 110                                   |                     | 20            | ].                        | GKAVE      | ∟; trace 1            | ıınes; non                 | plastic; mi                 | caceous.                                 |
|              | _                   |             | R-5        | 34<br>50                                    | 84          | 69                     | 5.6             | 116                                   |                     | -             |                           |            |                       |                            |                             |  |
|              | _                   |             | ]          |   |             |                        |                 |                                       |                     | _             |                           |            |                       |                            |                             |  |
|              |                     |             |            |   |             |                        |                 |                                       |                     |               |                           |            |                       |                            |                             |  |
|              |                     |             |            |   |             |                        |                 |                                       |                     | -             |                           |            |                       |                            |                             |  |
|              | 770                 |             |            |   |             |                        |                 |                                       |                     | -             |                           |            |                       |                            |                             |  |
|              |                     |             |            |   |             |                        |                 |                                       |                     |               | Δ. Δ. Δ.                  |            |                       |                            |                             |  |
| GR           | OLID                | DE          | T/         | A CON                                       | 12111       | TAP                    | NTS.            | INC                                   | TH                  |               | MARY APPLIE               |            |                       |                            | ۱                           | FIGURE                                   |
| JIV          |                     |             |            |   |             |                        |                 | 1147                                  | SU                  | <b>IBSURF</b> | ACE CONDIT                | IONS MA    | Y DIFFER              | R AT OTHE                  |                             | . IOOKE                                  |
|              |                     |             |            | ty Roa                                      |             |                        |                 |                                       | WI                  | TH THE        | S AND MAY (<br>PASSAGE O  | F TIME.    | THE DAT               | Ά                          |                             | A-12 a                                   |
|              | Sa                  | וט ח        | ego        | , Calit                                     | iornia      | 3 92                   | 126             |                                       |                     |               | ED IS A SIMP<br>NS ENCOUN |            | ON OF TH              | HE ACTUA                   | L                           | ~  |

|  | 30R                 |             | G F        | RECC  | DRD         | ١      | PROJE<br>Rivers |                      |                            | unity H                           | ospital  | STAF  |   | PROJEC<br>SD80                        |                  | BER       | BORING B-07 SHEET NO.                                     |
|--|---------------------|-------------|------------|---|-------------|--------|-----------------|----------------------|----------------------------|-----------------------------------|--|---|---|---------------------------------------|------------------|-----------|---|
|  |                     |             | g Gara     | age and                                     | Tower       | Sites  |                 |                      |                            |                                   |  |   | /2024                                       |                                       | 4/4/20           | )24       | 2 of 2  |
|  | NG COM              |             |            |   |             |        |                 |                      |                            | ETHOD                             |  | '   |   | LOGGE                                 | D BY             |           | HECKED BY   |
|  | w Jack<br>NG EQUI   |             | _          |   |             |        |                 |                      | NG DIA                     | tem Au                            |  | DEPTH (ft)  | GROUNE                                      | JWJ                                   | ft) DEF          |           | MAF<br>GROUNDWATER (ft                                    |
|  |                     |             |            | s Rig #1                                    | 42          |        |                 | 8                    |                            | (,                                | 28   |   | 794   | (.                                    | - 1              | / na      |   |
|  | ing met<br>mer: 14  |             | ., Dro     | p: 30 in.                                   | (Auton      | natic) | NOTES           |                      | %, N <sub>6</sub>          | <sub>0</sub> ~ 74/                | 60 * N ~   | 1.23 * N  |   |                                       | '                |           |   |
| DEPTH (feet)   | ELEVATION<br>(feet) | SAMPLE TYPE | SAMPLE NO. | PENETRATION<br>RESISTANCE<br>(BLOWS / 6 IN) | BLOW/FT "N" | 2°     | MOISTURE<br>(%) | DRY DENSITY<br>(pcf) | OTHER<br>TESTS             | DEPTH (feet)                      | GRAPHIC<br>LOG   |   | DESC  | CRIPTION                              | N AND (          | CLASSIFIC | CATION  |
| -  | _                   | X           | S-6        | 21<br>29<br>20                              | 49          | 60     |                 |                      |                            | -                                 |  | dense;<br>(10YR   | very pale<br>6/8); moi                      | e brown<br>st; most                   | (10YR<br>ly fine | 8/3) to b | ND (SW); very<br>prownish yellow<br>a SAND; few<br>peous. |
|  |                     |             |            |   |             |        |                 |                      |                            | _                                 |  | Total D   | epth: 28                                    | Feet                                  |                  |           |   |
| <u> </u>   | 765                 |             |            |   |             |        |                 |                      |                            | -                                 | 1  | Ground  | dwater No                                   | ot Encou                              | ıntered          | t         |   |
| 30   | -                   |             |            |   |             |        |                 |                      |                            | 30 —                              |  |   |   |                                       |                  |           |   |
| -  | _                   |             |            |   |             |        |                 |                      |                            | -                                 |  |   |   |                                       |                  |           |   |
|  | _                   |             |            |   |             |        |                 |                      |                            | _                                 |  |   |   |                                       |                  |           |   |
|  |                     |             |            |   |             |        |                 |                      |                            |                                   |  |   |   |                                       |                  |           |   |
|  |                     |             |            |   |             |        |                 |                      |                            | _                                 |  |   |   |                                       |                  |           |   |
| -  | 760                 |             |            |   |             |        |                 |                      |                            | -                                 | 1  |   |   |                                       |                  |           |   |
| <u>    35                                </u>  | _                   |             |            |   |             |        |                 |                      |                            | 35 —                              |  |   |   |                                       |                  |           |   |
| -  | _                   |             |            |   |             |        |                 |                      |                            | -                                 | -  |   |   |                                       |                  |           |   |
|  |                     |             |            |   |             |        |                 |                      |                            | _                                 |  |   |   |                                       |                  |           |   |
|  |                     |             |            |   |             |        |                 |                      |                            |                                   |  |   |   |                                       |                  |           |   |
|  |                     |             |            |   |             |        |                 |                      |                            | _                                 |  |   |   |                                       |                  |           |   |
|  | <u>755</u>          |             |            |   |             |        |                 |                      |                            | -                                 |  |   |   |                                       |                  |           |   |
| 40   | _                   |             |            |   |             |        |                 |                      |                            | 40 —                              | -  |   |   |                                       |                  |           |   |
| -  | _                   |             |            |   |             |        |                 |                      |                            | _                                 | -  |   |   |                                       |                  |           |   |
| <u> </u>   | _                   |             |            |   |             |        |                 |                      |                            | -                                 |  |   |   |                                       |                  |           |   |
| 77   | _                   |             |            |   |             |        |                 |                      |                            | _                                 |  |   |   |                                       |                  |           |   |
| 45<br>45   | 750                 |             |            |   |             |        |                 |                      |                            |                                   |  |   |   |                                       |                  |           |   |
| 3  | ,50                 |             |            |   |             |        |                 |                      |                            | -                                 |  |   |   |                                       |                  |           |   |
| 2 45   |                     |             |            |   |             |        |                 |                      |                            | 45 —                              | 1  |   |   |                                       |                  |           |   |
| ğ -  | -                   |             |            |   |             |        |                 |                      |                            | -                                 |  |   |   |                                       |                  |           |   |
|  | -                   |             |            |   |             |        |                 |                      |                            | -                                 | -  |   |   |                                       |                  |           |   |
| <u> </u>   | <u> </u>            |             |            |   |             |        |                 |                      |                            | _                                 |  |   |   |                                       |                  |           |   |
|  | 745                 |             |            |   |             |        |                 |                      |                            | -                                 | -  |   |   |                                       |                  |           |   |
| TION KNIMM SHIPLING S | 924                 | 5 A         | ctivi      | A CON<br>ty Roa<br>, Calif                  | ad, S       | uite   | 103             | INC                  | OF<br>SU<br>LO<br>WI<br>PR | THIS BOBSURFACATION TH THE ESENTE | ORING AN<br>ACE CONI<br>IS AND MA<br>PASSAGE<br>ED IS A SI | PLIES ONLY ND AT THE DITIONS MAY CHANGE OF TIME. MPLIFICAT UNTERED. | TIME OF<br>AY DIFFE<br>E AT THIS<br>THE DAT | DRILLING<br>R AT OT<br>S LOCATI<br>FA | G.<br>HER<br>ION |           | FIGURE<br>A-12 b  |

| Е            | 30R              | IN          | G F        | RECC  | ORD         | <b>\</b> | PROJE<br>Rivers |                      |                   | unity H             | ospital   |                                      | <b>I</b>                                | SD809               | NUMBER                                 | BORING B-08  |
|--------------|------------------|-------------|------------|---|-------------|----------|-----------------|----------------------|-------------------|---------------------|---|--------------------------------------|---|---------------------|--|--|
|              | CATION           |             |            |   | _           | 0        |                 |                      |                   |                     | · · · · · · · · · · · · · · · · · · ·                 | START                                |   | FINIS               |  | SHEET NO.  |
|              | OSECIP<br>NG COM |             | g Gara     | age and                                     | Iower       | Sites    |                 | DRILL                | ING M             | ETHOD               |   | 4/1/2                                | 2024                                    | 0GGED               | 1/2024<br>BY                           | 1 of 2   |
|              | w Jack           |             | lling      |   |             |          |                 |                      |                   | tem Au              | ıger  |                                      |   | JWJ                 | <b>.</b>                               | MAF  |
| RILLI        | NG EQUI          | PMEN        | Т          |   |             |          |                 | 1                    | NG DIA            |                     | TOTAL DE  | EPTH (ft)                            |   | LEV (ft)            | DEPTH/E                                | LEV. GROUNDWATER   |
|              | 75 Lim           |             | Acces      | s Rig #1                                    | 42          |          | NOTE            | 8                    |                   |                     | 30  |                                      | 794                                     |                     | ▼ / na                                 | <u> </u>   |
|              |                  |             | ., Dro     | p: 30 in.                                   | (Auton      | natic)   | _               |                      | %, N <sub>6</sub> | o ~ 80/             | 60 * N ~ 1.   | 33 * N                               |   |                     |  |  |
| DEPTH (feet) | ELEVATION (feet) | SAMPLE TYPE | SAMPLE NO. | PENETRATION<br>RESISTANCE<br>(BLOWS / 6 IN) | BLOW/FT "N" | Ž        | MOISTURE<br>(%) | DRY DENSITY<br>(pcf) | OTHER<br>TESTS    | DEPTH (feet)        | GRAPHIC<br>LOG  |                                      | DESCRI                                  | PTION A             | IND CLASS                              | SIFICATION   |
| <u> </u>     |                  | SAN         | SA         | PEN<br>RE<br>(BL                            | BL          |          | ¥               | DRY                  |                   | DE                  |   |                                      |   |                     |  | medium dense;  |
|              |                  |             | B-1        |   |             |          |                 |                      | PA<br>EI          | -                   |   | some fin                             | es; little G                            | RAVEL               | mostly fine<br>; nonplast<br>12% Fines | e to coarse SAND;<br>tic; micaceous.                                       |
| _5           | 790<br>          |             | S-2        | 2<br>4<br>4                                 | 8           | 11       |                 |                      | CR<br>R           | 5 —<br>-            |   | WITH SI<br>(10YR 5                   | LT (SP-SI<br>/6); moist;                | M); med<br>mostly   | ium dense                              | ADED SAND<br>e; yellowish brown<br>dium SAND; few<br>icaceous.             |
| -10          |                  |             |            | 3   |             |          |                 |                      |                   | -<br>-<br>-<br>10 — |   |                                      |   |                     |  |  |
|              |                  |             | R-3        | 4<br>7                                      | 11          | 10       | 7.2             | 116                  |                   | -<br>-<br>-         |   |                                      |   |                     |  |  |
| -15          |                  |             | S-4        | 19<br>50<br>(5")                            | 79          | 100+     |                 |                      |                   | 15 —<br>-<br>-      |   | (SW-SM yellowish                     | ); very de<br>n brown (1<br>ew fines; t | nse; ver<br>0YR 5/6 | y pale bro                             | SAND WITH SILT<br>own (10YR 8/4) to<br>mostly fine to coarse<br>onplastic; |
| -20          | 775              |             |            |   |             |          |                 |                      |                   | -<br>-<br>20 —      |   |                                      |   |                     |  | dense; very pale   |
|              |                  | X           | R-5        | 15<br>35<br>50                              | 85          | 75       | 5.3             | 107                  |                   | -<br>-              |   | mostly fi                            |   | se SAN              |  | n (10YR 5/6); moist;<br>RAVEL; trace fines;                                |
|              | 770              |             |            |   |             |          |                 |                      |                   | -                   |   |                                      |   |                     |  |  |
| GR           | OUP              | DE          | LTA        | CON   | ISUL        | _TAN     | ITS,            | INC                  | ر OF              | THIS B              | MARY APPLI  | AT THE TI                            | ME OF DR                                | RILLING.            |  | FIGURE   |
|              |                  |             |            | ty Roa<br>, Calif                           |             |          |                 |                      | LO<br>WI<br>PR    | CATION<br>TH THE    | ACE CONDIT<br>IS AND MAY<br>PASSAGE C<br>ED IS A SIMF | CHANGE .<br>F TIME. T<br>PLIFICATION | AT THIS LO                              | OCATIO              | N                                      | А-13 а   |

|                   | BOR                 | RIN         | G F        | RECO  | )RD         | <b>\</b>   | PROJE           |                   |                   | unity H          | osnital              |                                       |                      |                  | IECT N            | NUMBER       |                     | BORING B-08                                    |
|-------------------|---------------------|-------------|------------|---|-------------|------------|-----------------|-------------------|-------------------|------------------|----------------------|---------------------------------------|----------------------|------------------|-------------------|--------------|---------------------|--|
| SITE L            | OCATION             | 1           |            |   |             |            | 1111010         | 140 0             | 01111110          | arricy i i       | oopitai              | STAF                                  |                      |                  | FINIS             |              |                     | SHEET NO.                                      |
|                   | osed P              |             | g Gara     | age and                                     | Iower       | Sites      |                 | DRILL             | ING M             | ETHOD            |                      | 4/1                                   | /2024                | LOG              | 4/1<br>GED E      | I/2024<br>BY | CHE                 | 2 of 2<br>CKED BY                              |
| Yello             | w Jack              | et Dri      |            |   |             |            |                 | Hol               | low S             | tem Au           |                      |                                       |                      | J۷               | ٧J                |              | MA                  | \F   |
|                   | NG EQUI             |             |            | s Rig #1                                    | 42          |            |                 | BORII<br>8        | NG DIA            | (in)             | TOTAL<br>30          | DEPTH (ft)                            | GROUNI<br>794        | D ELE            | V (ft)            | DEPTH/E      |                     | ROUNDWATER (fi                                 |
| SAMPL             | ING MET             | THOD        |            | p: 30 in.                                   |             | natic)     | NOTES           | 3                 | %, N <sub>6</sub> | o ~ 80/          |                      | 1.33 * N                              | 701                  |                  |                   | ¥ ///        |                     |  |
|                   |                     |             |            |   |             |            |                 |                   |                   |                  |                      |                                       |                      |                  |                   |              |                     |  |
| DEPTH (feet)      | ELEVATION<br>(feet) | SAMPLE TYPE | SAMPLE NO. | PENETRATION<br>RESISTANCE<br>(BLOWS / 6 IN) | BLOW/FT "N" | <b>Z</b> º | MOISTURE<br>(%) | DRY DENSITY (pcf) | OTHER<br>TESTS    | DEPTH (feet)     | GRAPHIC<br>LOG       |                                       | DESC                 | CRIPT            | ION A             | ND CLAS      | SIFICA <sup>-</sup> | TION   |
| -                 |                     | X           | R-6        | 24<br>50<br>22<br>50<br>(5")                | 74          | 66         | 3.2             | 112               |                   | -                |                      | SAND                                  | (GW); ve             | ery de<br>/4): m | nse; v<br>oist: n | white (10    | YR 8/8<br>RAVEL     | /EL WITH<br>8) to very pale<br>.; some fine to |
| 30<br>_<br>_<br>_ | _<br>_<br>_         |             |            | (0)   |             |            |                 |                   |                   | 30 —<br>-<br>-   | -                    | Total D<br>Ground                     | epth: 30<br>dwater N | Feet<br>ot End   | counte            | ered         |                     |  |
| -<br>35<br>-      | 760<br>             |             |            |   |             |            |                 |                   |                   | 35 —<br>-        | -                    |                                       |                      |                  |                   |              |                     |  |
| -<br>-<br>-       |                     |             |            |   |             |            |                 |                   |                   | -<br>-<br>-      | -                    |                                       |                      |                  |                   |              |                     |  |
| 40<br>_           | _                   |             |            |   |             |            |                 |                   |                   | 40 —             | -                    |                                       |                      |                  |                   |              |                     |  |
| -                 | 750                 |             |            |   |             |            |                 |                   |                   | -                |                      |                                       |                      |                  |                   |              |                     |  |
| 45<br>-<br>-      | _                   |             |            |   |             |            |                 |                   |                   | 45 —<br>-        | -                    |                                       |                      |                  |                   |              |                     |  |
| -                 | 745                 |             |            |   |             |            |                 |                   |                   | -<br>-           |                      |                                       |                      |                  |                   |              |                     |  |
| GR                |                     |             |            | A CON                                       |             |            |                 | INC               | OF<br>SU          | THIS BOURFA      | ORING AN<br>ACE CONI | PLIES ONLY<br>ID AT THE<br>DITIONS MA | TIME OF<br>AY DIFFE  | DRILI<br>R AT    | LING.<br>OTHE     | R            | F                   | IGURE  |
|                   |                     |             |            | ty Roa<br>, Calif                           |             |            |                 |                   | WI <sup>*</sup>   | TH THE<br>ESENTE | <b>PASSAGE</b>       | AY CHANGI<br>E OF TIME.<br>MPLIFICAT  | THE DA               | TA               |                   |              |                     | A-13 b   |

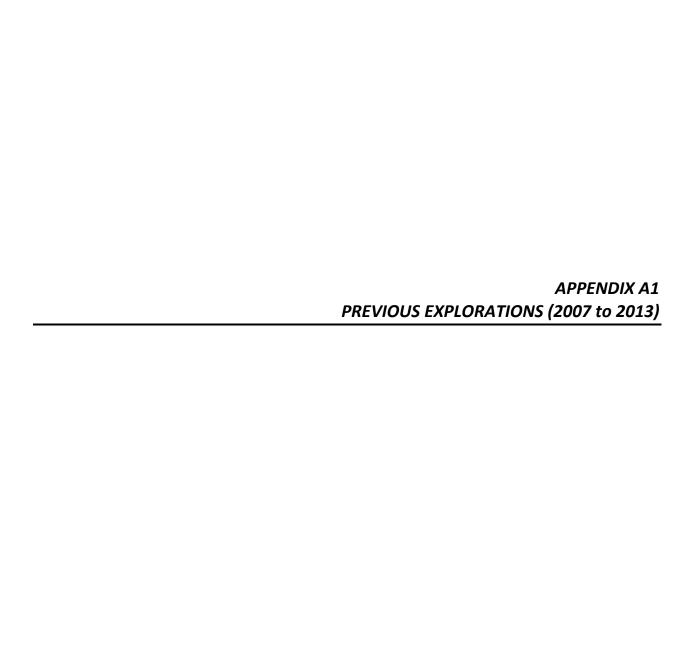
| F            | 30R                 | IN          | G F        | RECC  | )RD         | ۱ ۱            | PROJE           |                   |                | unity Ho                    | nenital                          |   |                                  | PROJECT<br>SD809                    |             | BORING B-09   |
|--------------|---------------------|-------------|------------|---|-------------|----------------|-----------------|-------------------|----------------|-----------------------------|----------------------------------|---|----------------------------------|-------------------------------------|-------------|---|
| Propo        | osed Pa             | ı<br>arkinç |            | age and                                     |             |                | Rivers          |                   |                |                             | ospitai                          | STAF  | RT<br>5/2024                     | FINI                                |             | SHEET NO. 1 of 2  |
|              | NG COMP             |             | lline      |   |             |                |                 |                   |                | ETHOD                       | gor                              | •   |                                  | LOGGED                              | BY          | CHECKED BY<br>MAF   |
|              | w Jack<br>NG EQUII  |             | _          |   |             |                |                 |                   | NG DIA         | tem Au                      |                                  | DEPTH (ft)  | GROUN                            |                                     | DEPTH/EL    | EV. GROUNDWATER   |
|              |                     |             | Acces      | s Rig #1                                    | 42          |                |                 | 8                 |                |                             | 31.5                             |   | 832                              |                                     | ▼ / na      |   |
|              | ING MET             |             | Dro        | p: 30 in.                                   | (Auton      | natic)         | NOTES           |                   | % N            | ~ 7//                       | 30 * N ~                         | 1.23 * N  |                                  |                                     |             |   |
| T IGITII     | 1101. 14            | 0 103.      | ., 510     |   | (7 taton    |                |                 | '-                | 170, 146       | 50 7-77                     |                                  | 1.20 14   |                                  |                                     |             |   |
| DEPTH (feet) | ELEVATION<br>(feet) | SAMPLE TYPE | SAMPLE NO. | PENETRATION<br>RESISTANCE<br>(BLOWS / 6 IN) | BLOW/FT "N" | Z <sup>0</sup> | MOISTURE<br>(%) | DRY DENSITY (pcf) | OTHER<br>TESTS | DEPTH (feet)                | GRAPHIC<br>LOG                   |   | DES                              | CRIPTION A                          | AND CLASSI  | IFICATION   |
|              | <br>830             |             | B-1        |   |             |                |                 |                   |                | -                           |                                  | dark ye<br>mediur   | ellowish b<br>n SAND;            | orown (10Y<br>some fine             | 'R 4/4); mo | nedium dense;<br>oist; mostly fine to<br>RAVEL and<br>ts. |
| _5           | 825                 |             | R-2        | 4<br>7<br>7                                 | 14          | 11             | 10.1            | 113               |                | 5 —                         |                                  | dense;<br>fine to   | dark vel                         | lowish brov<br>SAND; sor            | wn (10YR 4  | (SM); medium<br>4/4); moist; mostly<br>ace GRAVEL and     |
| -10          |                     |             | S-3        | 2<br>2                                      | 4           | 5              |                 |                   | PA             | -<br>-<br>10 —              |                                  | moist; i<br>nonpla  | mostly fir<br>stic.              |                                     | fine SAND   | wn (10YR 5/6);<br>; micaceous;                            |
|              | 820<br>             |             |            | 2   |             |                |                 |                   |                | -<br>-<br>-                 |                                  |   |                                  |                                     |             |   |
| -15          | <br>815             |             | R-4        | 11<br>12<br>14                              | 26          | 21             | 6.5             | 101               |                | 15 —<br>-<br>-              |                                  |   |                                  |                                     |             | strong brown (10YR<br>ND; nonplastic.                     |
| -20          | <br>810             |             | S-5        | 9<br>13<br>26                               | 39          | 48             |                 |                   |                | 20 —                        |                                  | vellowi   | sh browr                         | 10YR 4/4                            |             | ); dense; dark<br>nostly fine to<br>tic.                  |
| GR           | 924                 | 5 A         | ctivi      | <b>\ CON</b> ty Roa                         | ad, S       | uite           | 103             | INC               | OF<br>SU<br>LO | THIS BO<br>BSURFA<br>CATION | ORING AN<br>ACE CONI<br>S AND M/ | PLIES ONL'<br>ND AT THE<br>DITIONS M<br>AY CHANGI<br>E OF TIME. | TIME OF<br>AY DIFFE<br>E AT THIS | DRILLING.<br>R AT OTHE<br>S LOCATIO | ≣R          | FIGURE<br>A-14 a  |

| F            | 30R                 | IN          | G F        | RECO  | )RD         | <b>1</b> | PROJE           |                   |                   | unity LL                   | nenital                                   |   |                               | PROJECT<br>SD809              |                           | BORING B-09  |
|--------------|---------------------|-------------|------------|---|-------------|----------|-----------------|-------------------|-------------------|----------------------------|---|---|-------------------------------|-------------------------------|---------------------------|--|
| SITE LO      | CATION              | l           |            | age and                                     |             |          | Rivers          | ide C             | omml              | unity Ho                   | ospitai                                   | STAF  | rt<br>/2024                   | FINI                          |                           | SHEET NO.<br>2 of 2                                  |
|              | IG COM              |             | y Juli     | ago ana                                     |             |          |                 | DRILL             | ING M             | ETHOD                      |   |   | ,_027                         | LOGGED                        |                           | CHECKED BY   |
|              | w Jack              |             | _          |   |             |          |                 |                   |                   | tem Au                     |   |   |                               | JWJ                           |                           | MAF  |
|              | NG EQUI             |             |            | s Rig #1                                    | 42          |          |                 | BORII<br>8        | NG DIA            | . (in)                     | 31.5                                      |   | GROUN<br>832                  | D ELEV (ft)                   | DEPTHÆL                   | EV. GROUNDWATER                                      |
|              | ING MET             |             | 10000      | 33 T (19 # 1                                | 72          |          | NOTES           |                   |                   |                            | 01.0                                      |   | 002                           |                               | <u> </u>                  |  |
| Hamr         | ner: 14             | 0 lbs       | ., Dro     | p: 30 in.                                   | (Auton      | natic)   | ETR             | ~ 74              | %, N <sub>6</sub> | <sub>0</sub> ~ 74/         | 60 * N ~                                  | 1.23 * N  |                               |                               |                           |  |
| DEPTH (feet) | ELEVATION<br>(feet) | SAMPLE TYPE | SAMPLE NO. | PENETRATION<br>RESISTANCE<br>(BLOWS / 6 IN) | BLOW/FT "N" | z        | MOISTURE<br>(%) | DRY DENSITY (pcf) | OTHER<br>TESTS    | DEPTH (feet)               | GRAPHIC<br>LOG                            |   | DES                           | CRIPTION A                    | AND CLASSI                | IFICATION  |
|              | 805<br>             |             | R-6        | 8<br>14<br>22                               | 36          | 30       | 2.5             | 114               |                   | -<br>-<br>-                |   | SILT (S<br>moist; r                                 | P-SM);                        | dense; brone<br>ne to medi    | wnish yello               | ED SAND WITH<br>ow (10YR 6/8);<br>little GRAVEL; few |
| _30          | _                   | X           | S-7        | 7<br>12<br>16                               | 28          | 34       |                 |                   |                   | 30 —<br>-                  |   | Grades<br>brown (                                   | from ve<br>(10YR 5/           | ery pale bro<br>/6); micaeo   | own (10YR<br>ous; trace 0 | 7/4) to yellowish<br>GRAVEL.                         |
|              | 800<br>             |             |            |   |             |          |                 |                   |                   | -                          |   | Total D<br>Ground                                   | epth: 31<br>lwater N          | ½ Feet<br>ot Encoun           | tered                     |  |
| _35          | _                   |             |            |   |             |          |                 |                   |                   | 35 —                       |   |   |                               |                               |                           |  |
|              | _                   |             |            |   |             |          |                 |                   |                   | _                          |   |   |                               |                               |                           |  |
|              | 795                 |             |            |   |             |          |                 |                   |                   | _                          |   |   |                               |                               |                           |  |
|              |                     |             |            |   |             |          |                 |                   |                   |                            |   |   |                               |                               |                           |  |
|              |                     |             |            |   |             |          |                 |                   |                   | _                          |   |   |                               |                               |                           |  |
|              | _                   |             |            |   |             |          |                 |                   |                   | -                          |   |   |                               |                               |                           |  |
| _40          | _                   |             |            |   |             |          |                 |                   |                   | 40 —                       |   |   |                               |                               |                           |  |
|              | _                   |             |            |   |             |          |                 |                   |                   | _                          |   |   |                               |                               |                           |  |
|              | 790                 |             |            |   |             |          |                 |                   |                   |                            |   |   |                               |                               |                           |  |
|              | 1 30                |             |            |   |             |          |                 |                   |                   | _                          |   |   |                               |                               |                           |  |
|              | _                   |             |            |   |             |          |                 |                   |                   | -                          |   |   |                               |                               |                           |  |
|              | _                   |             |            |   |             |          |                 |                   |                   | _                          |   |   |                               |                               |                           |  |
| <b>-</b> 45  | _                   |             |            |   |             |          |                 |                   |                   | 45                         |   |   |                               |                               |                           |  |
|              |                     |             |            |   |             |          |                 |                   |                   | _                          |   |   |                               |                               |                           |  |
|              | 705                 |             |            |   |             |          |                 |                   |                   |                            |   |   |                               |                               |                           |  |
|              | <u> </u>            |             |            |   |             |          |                 |                   |                   | -                          |   |   |                               |                               |                           |  |
|              | -                   |             |            |   |             |          |                 |                   |                   | -                          |   |   |                               |                               |                           |  |
|              | _                   |             |            |   |             |          |                 |                   |                   | _                          |   |   |                               |                               |                           |  |
| GR           | OUP                 | DE          | LT/        | A CON                                       | ISUL        | LTAN     | NTS.            | INC               | TH<br>OF          |                            |   | PLIES ONLY  |                               |                               |                           | FIGURE   |
|              | 924                 | 5 A         | ctivi      | ty Roalif<br>, Calif                        | ad, S       | uite     | 103             |                   | LO<br>Wi<br>PR    | BSURFA<br>CATION<br>TH THE | ACE CON<br>S AND M<br>PASSAG<br>ED IS A S | DITIONS MA<br>AY CHANGE<br>E OF TIME.<br>IMPLIFICAT | AY DIFFE<br>AT THIS<br>THE DA | ER AT OTHI<br>S LOCATIO<br>TA | ER<br>N                   | A-14 b   |

| E  | BOR  | IN          | G F        | RECC  | DRD         | ۱ ۱    | PROJE           |                      |                   | unity H            | ospita  | <br>I             |                |                      |                    | ECT N<br>809   | NUMBE          | R                     | BORING<br>B-10             |
|--|--|-------------|------------|---|-------------|--------|-----------------|----------------------|-------------------|--------------------|---------|-------------------|----------------|----------------------|--------------------|----------------|----------------|-----------------------|----------------------------|
|  | CATION   | _           | _          |   | _           |        |                 |                      |                   |                    | •       |                   | STAF           |                      |                    | FINIS          |                |                       | SHEET NO.                  |
|  | osed P<br>NG COM                               |             | g Gar      | age and                                     | Tower       | Sites  |                 | DBILL                | ING M             | ETHOD              |         |                   | 4/2            | /2024                | LOG                |                | 2/2024         |                       | 1 of 3                     |
|  | w Jack   |             | llina      |   |             |        |                 |                      |                   | tem Au             | ıner    |                   |                |                      | JW                 |                | <b>5</b> T     |                       | AF                         |
|  | NG EQUI  |             |            |   |             |        |                 |                      | NG DIA            |                    |         | AL DEP            | ΓΗ (ft)        | GROUN                |                    |                | DEPTH          |                       | ROUNDWATER (ft)            |
|  |  |             |            | d Rig #1                                    | 20          |        |                 | 8                    |                   | ` '                | 51      |                   | ` '            | 838                  |                    | ` '            | <b>y</b> /     |                       | ( )                        |
| SAMPL  | ING MET  | HOD         |            |   |             |        | NOTES           |                      |                   |                    |         |                   |                |                      |                    |                |                |                       |                            |
| Hamı   | mer: 14  | 0 lbs.      | , Dro      | p: 30 in.                                   | (Auton      | natic) | ETR             | ~ 80                 | %, N <sub>6</sub> | <sub>0</sub> ~ 80/ | 60 * N  | I ~ 1.33          | 3 * N          |                      |                    |                |                |                       |                            |
| DEPTH (feet)   | ELEVATION<br>(feet)                            | SAMPLE TYPE | SAMPLE NO. | PENETRATION<br>RESISTANCE<br>(BLOWS / 6 IN) | BLOW/FT "N" | Z      | MOISTURE<br>(%) | DRY DENSITY<br>(pcf) | OTHER<br>TESTS    | DEPTH (feet)       | GRAPHIC |                   |                | DES                  | SCRIPTI            | ON A           | ND CLA         | SSIFICA               | TION                       |
| -  |  | XXX         |            |   |             |        |                 |                      |                   | -                  |         | <u>P</u>          | AVEN<br>ver 6- | MENT:<br>inches      | 8-inche<br>of Aggr | es of<br>egate | Asphal<br>Base | t Concre              | ete                        |
| -  |  |             |            |   |             |        |                 |                      |                   | -                  | -       | b                 | rown           | (10YR 5              | 5/6); mc           | oist; n        | nostly f       | ines; so              | ; yellowish<br>ome fine to |
|  | 835<br>  |             | B-1        |   |             |        |                 |                      | PA<br>EI<br>CR    | -                  |         |                   |                | n SAND<br>avel; 33   | •                  |                | -              | aceous<br>es)         |                            |
| 5  |  |             |            |   |             |        |                 |                      |                   | 5 —                |         |                   |                |                      |                    |                |                |                       |                            |
|  |  |             | S-2        | 8   | 18          | 24     |                 |                      |                   |                    |         |                   |                |                      |                    |                |                |                       |                            |
| -  |  |             | 5-2        | 9   | 18          | 24     |                 |                      |                   | -                  | 1       |                   |                |                      |                    |                |                |                       |                            |
| L  |  |             |            |   |             |        |                 |                      |                   | _                  | 111     |                   |                |                      |                    |                |                |                       |                            |
|  |  |             |            |   |             |        |                 |                      |                   |                    |         |                   |                |                      |                    |                |                |                       |                            |
| <b> </b>   | 830  |             |            |   |             |        |                 |                      |                   | -                  | 1       |                   |                |                      |                    |                |                |                       |                            |
| -  | _  |             |            |   |             |        |                 |                      |                   | -                  |         | s                 | L – –          | - – –<br>SAND (      | <br>SM); de        | <br>ense:      | <br>; yellow   | - – – –<br>/ish bro\  | vn (10YR 5/6);             |
| 10   |  |             | R-3        | 8<br>14                                     | 34          | 30     | 5.8             | 99                   | DS                | 10 —               |         | n                 | noist; ı       | mostly ḟ<br>ty; mica | ine to n           | nediu          | im SAN         | ID; som               | e fines; low               |
|  |  |             |            | 20  |             |        | 0.0             |                      |                   | -                  |         |                   |                |                      |                    |                |                |                       |                            |
| -  | _  |             |            |   |             |        |                 |                      |                   | -                  |         |                   |                |                      |                    |                |                |                       |                            |
| -  | <u>       825                             </u> |             |            |   |             |        |                 |                      |                   | -                  |         |                   |                |                      |                    |                |                |                       |                            |
| -  |  |             |            |   |             |        |                 |                      |                   | _                  |         | <u> </u>          |                |                      |                    |                |                |                       |                            |
| 15   |  |             |            |   |             |        |                 |                      |                   | 15 —               |         |                   |                |                      |                    |                |                |                       | nse; brownish              |
| 119/24   |  |             | S-4        | 8<br>9                                      | 20          | 27     |                 |                      |                   |                    |         |                   |                |                      |                    |                |                | ines; liti<br>caceous | tle fine to                |
| D<br>4   |  |             |            | 11  |             |        |                 |                      |                   | <del>-</del>       | 1       |                   |                |                      |                    |                |                |                       |                            |
| 9.50<br> -   |  |             |            |   |             |        |                 |                      |                   | -                  | 1       |                   |                |                      |                    |                |                |                       |                            |
| -<br>-   | 820  |             |            |   |             |        |                 |                      |                   | _                  |         |                   |                |                      |                    |                |                |                       |                            |
|  | L  |             |            |   |             |        |                 |                      |                   |                    |         |                   |                |                      |                    |                |                |                       |                            |
| 9.89   |  |             |            |   |             |        |                 |                      |                   |                    |         |                   |                |                      |                    |                |                |                       |                            |
| ്വ <u>—</u> 20   | _  |             |            | 7   |             |        |                 |                      |                   | 20 —               | 1       |                   |                |                      |                    |                |                |                       |                            |
| SD8  | _  |             | R-5        | 13<br>24                                    | 37          | 33     | 11.2            | 99                   | DS                | -                  |         |                   |                |                      |                    |                |                |                       |                            |
| S  | _  |             |            |   |             |        |                 |                      |                   | _                  |         |                   |                |                      |                    |                |                |                       |                            |
|  |  |             |            |   |             |        |                 |                      |                   |                    |         |                   |                |                      |                    |                |                |                       |                            |
| ×¥-  | <u>        815                            </u> |             |            |   |             |        |                 |                      |                   | -                  | 1       |                   |                |                      |                    |                |                |                       |                            |
| ်<br>၂–  |  |             |            |   |             |        |                 |                      |                   | _                  |         |                   |                |                      |                    |                |                |                       |                            |
| GBC_LOG_BORING_MMX_SOIL_SD_SD809_LOGS.GPJ_GDCLOG.GDT_4/19/24 |  |             |            | _   |             |        |                 |                      | ТН                | IS SUMI            | MARY A  | APPLIES           | ONI            | / AT THI             | E LOCA             | TION           | ı              |                       |                            |
| ျှ GR  |  |             |            | A CON                                       |             |        | -               | INC                  | ). OF             | THIS B             | ORING   | AND AT<br>OITIDNO | THE            | TIME OF              | DRILL              | ING.           | - 1            | l                     | FIGURE                     |
| ÖÖ   |  |             |            | ity Roa                                     |             |        |                 |                      | LO                | CATION             | S AND   | MAY CH<br>AGE OF  | HANGE          | E AT TH              | IS LOCA            |                |                |                       | ۸ 15 ۵                     |
|  | Sa   | n Di        | ego        | , Calif                                     | fornia      | a 921  | 126             |                      | PR                | ESENTE             | ED IS A | SIMPLII           | FICAT          |                      |                    | CTUA           | L              |                       | A-15 a                     |

| F            | 30R                 |             | GF         | RECO   | )RD         | ۱ ۱            | PROJE           |                      |   | ınit. I I                  | oonital                                     |                                      |                  | PROJECT                               |               | BORING<br>B-10   |
|--------------|---------------------|-------------|------------|--|-------------|----------------|-----------------|----------------------|---|----------------------------|---|--------------------------------------|------------------|---------------------------------------|---------------|--|
| ITE LO       | CATION              | l           |            | age and  |             |                | Kivers          | iae C                | ommı  | unity H                    | ospitai                                     | START 4/2/2                          |                  | SD809                                 |               | SHEET NO.<br>2 of 3  |
|              | NG COM              |             | y Gara     | age and  | Tower       | Siles          |                 | DRILL                | ING M   | ETHOD                      |   | 4/2/2                                | 2024             | LOGGED                                |               | CHECKED BY   |
|              | w Jack              |             | _          |  |             |                |                 |                      |   | tem Au                     |   |                                      |                  | JWJ                                   |               | MAF  |
|              | NG EQUI             |             |            | LD: //4  | 00          |                |                 |                      | NG DIA  | . (in)                     | I   | PTH (ft)                             |                  | D ELEV (ft)                           |               | EV. GROUNDWATER  |
|              | 85 Tru<br>ING MET   |             | ounte      | d Rig #1                                       | 20          |                | NOTES           | 8                    |   |                            | 51.5  |                                      | 838              |                                       | ▼ / na        |  |
|              |                     |             | Dro        | p: 30 in.                                      | (Auton      | natic)         |                 |                      | %. Na   | ~ 80/                      | 60 * N ~ 1.                                 | 33 * N                               |                  |                                       |               |  |
|              |                     |             | ĺ          | <u>.                                      </u> |             |                |                 |                      | , <u>, , , , , , , , , , , , , , , , , , </u> |                            |   |                                      |                  |                                       |               |  |
| DEPTH (feet) | ELEVATION<br>(feet) | SAMPLE TYPE | SAMPLE NO. | PENETRATION<br>RESISTANCE<br>(BLOWS / 6 IN)    | BLOW/FT "N" | Z <sup>O</sup> | MOISTURE<br>(%) | DRY DENSITY<br>(pcf) | OTHER<br>TESTS                                | DEPTH (feet)               | GRAPHIC<br>LOG                              |                                      | DESC             | CRIPTION A                            | ND CLASS      | IFICATION  |
|              | _                   | X           | S-6        | 5<br>9<br>12                                   | 21          | 28             |                 |                      |   | -                          | -   |                                      | n brown          | ı (10YR 4/4                           |               | dense; light<br>nostly fines; little                             |
| -30          | 810<br>             | X           | R-7        | 7<br>30<br>50                                  | 80          | 71             | 7.5             | 113                  |   | 30 —                       |   | very den                             | se; stro         |                                       | (7.5YR 5/8    | FH GRAVEL (SM);<br>3); moist; mostly fine<br>onplastic;          |
| -35          | 805<br>             |             | S-8        | 8<br>17<br>18                                  | 35          | 47             |                 |                      |   | -<br>35<br>-               | 8.0   | 5/8); mo                             | ist; mòs         |                                       | ND; some      | - — — — — — —<br>ng brown (7.5YR<br>fines; few                   |
| <b>.</b> 40  | 800<br><br><br>795  | X           | R-9        | 15<br>30<br>42                                 | 72          | 64             | 5.6             | 115                  |   | -<br>40 —<br>-             |   | brown (7                             | '.5YR 5          | //TH GRAV<br>/8); moist;<br>VEL; nonp | mostly fine   | very dense; strong<br>e SAND; some<br>aceous.                    |
| <b>-</b> 45  |                     |             | ,          |  |             |                |                 |                      |   | -<br>45 —                  | -   | (10YR 4)                             | /4); mòi         |                                       | fines; little | ight yellowish brown<br>fine SAND;                               |
|              | 790<br>             |             | S-10       | 10<br>27<br>33                                 | 60          | 80             |                 |                      |   | -<br>-<br>-<br>-           |   | 7/4) to b                            | rownish<br>SAND; | yellow (10                            | OYR 6/6), r   | y pale brown (10YR<br>moist; mostly fine to<br>AVEL; nonplastic; |
| GR           |                     |             |            | CON  |             |                |                 | INC                  | C OF  | THIS B                     | MARY APPLI<br>ORING AND<br>ACE CONDIT       | AT THE TI                            | ME OF            | DRILLING.                             |               | FIGURE   |
|              |                     |             |            | ty Roa<br>, Calif                              |             |                |                 |                      | LO<br>WI<br>PR                                | CATION<br>TH THE<br>ESENTE | IS AND MAY PASSAGE C ED IS A SIMF NS ENCOUN | CHANGE .<br>F TIME. T<br>PLIFICATION | AT THIS          | S LOCATIO<br>TA                       | N             | A-15 b   |

|  | 3OR                        |             | G F        | RECC  | RD          | 1      | PROJEC<br>Rivers |                      |                   | unity Ho                   | ospital                                     | STAF  |   | PROJEC<br>SD80                      |                   | BER                      | BORING B-10 SHEET NO.  |
|--|----------------------------|-------------|------------|---|-------------|--------|------------------|----------------------|-------------------|----------------------------|---|---|---|-------------------------------------|-------------------|--------------------------|--|
| Prop   | osed Pa                    | arking      | g Gara     | age and                                     | Tower       | Sites  |                  |                      |                   |                            |   |   | 2/2024                                      |                                     | 4/2/20            |                          | 3 of 3   |
| Yello  | w Jack                     | et Dri      |            |   |             |        |                  | Holl                 | low St            | ETHOD<br>tem Au            |   |   |   | JWJ                                 |                   | M                        | ECKED BY<br>AF   |
|  | <b>iG EQU</b> II<br>85 Tru |             |            | d Rig #1                                    | 20          |        |                  | 8<br>8               | NG DIA            | (in)                       | 51.5  |   | 838   | ) ELEV (                            |                   | 'ιнÆLEV.<br>∣na          | GROUNDWATER (ft)   |
| SAMPL  | ING MET                    | HOD         |            | p: 30 in.                                   |             | natic) | NOTES            |                      | %, N <sub>6</sub> | <sub>0</sub> ~ 80/6        | 60 * N ~                                    | 1.33 * N  |   |                                     |                   |                          |  |
| DEPTH (feet)                                 | ELEVATION<br>(feet)        | SAMPLE TYPE | SAMPLE NO. | PENETRATION<br>RESISTANCE<br>(BLOWS / 6 IN) | BLOW/FT "N" | , Z    | MOISTURE<br>(%)  | DRY DENSITY<br>(pcf) | OTHER<br>TESTS    | DEPTH (feet)               | GRAPHIC<br>LOG                              |   | DESC  | CRIPTION                            | N AND C           | CLASSIFICA               | ATION  |
| -  |                            | X           | R-11       | 17<br>27<br>50                              | 87          | 77     | 2.0              |                      |                   | _                          |   | SILT (S<br>to light<br>mediur                                     | SP-SM); v<br>yellowish<br>n SAND;           | very den<br>n brown<br>few fine     | ise; ver<br>(10YR | y pale bro<br>6/4); mois | SAND WITH<br>own (10YR 8/3)<br>st; mostly fine to<br>nonplastic. |
| -  | _                          |             |            |   |             |        |                  |                      |                   | _                          |   |   | epth: 511<br>dwater No                      |                                     | untered           |                          |  |
| <u>     55                              </u> | _                          |             |            |   |             |        |                  |                      |                   | 55 —                       |   |   |   |                                     |                   |                          |  |
| }  |                            |             |            |   |             |        |                  |                      |                   | -                          |   |   |   |                                     |                   |                          |  |
| <u> </u>                                     |                            |             |            |   |             |        |                  |                      |                   | -                          |   |   |   |                                     |                   |                          |  |
| <u> </u>                                     | <del></del> 780            |             |            |   |             |        |                  |                      |                   | -                          |   |   |   |                                     |                   |                          |  |
| 60   |                            |             |            |   |             |        |                  |                      |                   | 60 —                       |   |   |   |                                     |                   |                          |  |
| -  | _                          |             |            |   |             |        |                  |                      |                   | _                          |   |   |   |                                     |                   |                          |  |
| -  |                            |             |            |   |             |        |                  |                      |                   | _                          |   |   |   |                                     |                   |                          |  |
| -  | <u> </u>                   |             |            |   |             |        |                  |                      |                   | -                          |   |   |   |                                     |                   |                          |  |
| -  | _                          |             |            |   |             |        |                  |                      |                   | -<br>65 —                  |   |   |   |                                     |                   |                          |  |
| 65   | _                          |             |            |   |             |        |                  |                      |                   | 00 —                       |   |   |   |                                     |                   |                          |  |
| <u> </u>                                     | _                          |             |            |   |             |        |                  |                      |                   | _                          |   |   |   |                                     |                   |                          |  |
|  | <u>770</u>                 |             |            |   |             |        |                  |                      |                   | _                          |   |   |   |                                     |                   |                          |  |
| <u>-</u>                                     | _                          |             |            |   |             |        |                  |                      |                   | _                          |   |   |   |                                     |                   |                          |  |
| 70   | _                          |             |            |   |             |        |                  |                      |                   | 70 —                       |   |   |   |                                     |                   |                          |  |
|  |                            |             |            |   |             |        |                  |                      |                   | _                          |   |   |   |                                     |                   |                          |  |
|  | 765                        |             |            |   |             |        |                  |                      |                   | _                          |   |   |   |                                     |                   |                          |  |
|  | _                          |             |            |   |             |        |                  |                      |                   | _                          |   |   |   |                                     |                   |                          |  |
| GR   | 924                        | 5 A         | ctivi      | <b>L</b> CON<br>ty Roa<br>, Calif           | ad, S       | uite   | 103              | INC                  | SU<br>LO<br>WI    | THIS BOBSURFACATION TH THE | ORING AN<br>ACE CONI<br>S AND MA<br>PASSAGE | PLIES ONL'<br>ND AT THE<br>DITIONS MAY<br>AY CHANGI<br>E OF TIME. | TIME OF<br>AY DIFFE<br>E AT THIS<br>THE DAT | DRILLIN<br>R AT OT<br>S LOCAT<br>FA | G.<br>HER<br>ION  |                          | FIGURE<br>A-15 c   |



## **EXPLORATORY BORING NO. 1**

Date Drilled: 12/20/07

Client: Riverside Community Hospital

Equipment: CME 75 Track Rig

Driving Weight / Drop: 140 lbs./ 30 in.

Surface Elevation(ft): 799.0

Logged by: VJR

Measured Depth to Water(ft): 39.0

|   | DEPTH (ft) | GRAPHIC<br>LOG | VISUAL CLASSIFICATION  (SM) Silty Sand, fine to coarse with gravel to 1", brown | REMARKS | DRIVE BULK | BLOWS/6 IN.   | FIELD MOISTURE (%) | DRY UNIT WT. (pcf) | LAB/FIELD<br>TESTS     |
|---|------------|----------------|---|---------|------------|---------------|--------------------|--------------------|------------------------|
| -   |            |                |   |         | X          | 8<br>14<br>19 | 13.4               | 120                | Ring                   |
| -   | - 5        | -              | (ML) Sandy Silt, fine with medium, light brown                                  | Native  |            | 3<br>4<br>5   | 6.7                | 101                | SA<br>Ring,<br>Consol. |
|   | 10         | -              |   |         |            | 4<br>7<br>9   | 11.5               | 120                | Ring, DS               |
|   | 15         |                | (SP-SM) Sand, medium to coarse with fine and silt, brown                        |         | X          | 7<br>12<br>18 | 2.3                | 114                | Ring                   |
| CHJ.GDT 1/18/08   | - 20       |                | (SW-SM) Sand with silt, fine to coarse with clay and gravel to 3", brown        |         | X          | 38<br>50/5"   | 3.6                | 117                | SA<br>Ring             |
| BORING LOG - NO EQUIV & BLOW PER 6 IN 07881-3.GPJ CHJ.GDT 1/18/08 | - 25       |                |   |         |            | 40<br>50/5"   | 4.1                | 105                | Ring, DS               |
| OG - NO EQUIV & BLOW  | 30         |                |   |         | *          | 50/4"         | 3.5                | 104                | Ring                   |
| BORINGL   |            | -              | (SP) Sand, medium to coarse with fine, gravel and cobbles to 4", brown          |         |            |               |                    |                    |                        |



PROPOSED HOSPITAL EXPANSION AND PARKING GARAGEOb No. RIVERSIDE, CALIFORNIA 07881-3

Enclosure B-1a