

**GROUP SYMBOLS AND NAMES**

Graphic / Symbol	Group Names	Graphic / Symbol	Group Names
	Well-graded GRAVEL		Lean CLAY
	Well-graded GRAVEL with SAND		Lean CLAY with SAND Lean CLAY with GRAVEL SANDY lean CLAY SANDY lean CLAY with GRAVEL GRAVELLY lean CLAY GRAVELLY lean CLAY with SAND
	Poorly-graded GRAVEL		SILTY CLAY
	Poorly-graded GRAVEL with SAND		SILTY CLAY with SAND SILTY CLAY with GRAVEL SANDY SILTY CLAY SANDY SILTY CLAY with GRAVEL GRAVELLY SILTY CLAY GRAVELLY SILTY CLAY with SAND
	Well-graded GRAVEL with SILT		SILT
	Well-graded GRAVEL with SILT and SAND		SILT with SAND SILT with GRAVEL SANDY SILT SANDY SILT with GRAVEL GRAVELLY SILT GRAVELLY SILT with SAND
	Well-graded GRAVEL with CLAY (or SILTY CLAY)		ORGANIC lean CLAY
	Well-graded GRAVEL with CLAY and SAND (or SILTY CLAY and SAND)		ORGANIC lean CLAY with SAND ORGANIC lean CLAY with GRAVEL SANDY ORGANIC lean CLAY SANDY ORGANIC lean CLAY with GRAVEL GRAVELLY ORGANIC lean CLAY GRAVELLY ORGANIC lean CLAY with SAND
	Poorly-graded GRAVEL with SILT		ORGANIC SILT
	Poorly-graded GRAVEL with SILT and SAND		ORGANIC SILT with SAND ORGANIC SILT with GRAVEL SANDY ORGANIC SILT SANDY ORGANIC SILT with GRAVEL GRAVELLY ORGANIC SILT GRAVELLY ORGANIC SILT with SAND
	Poorly-graded GRAVEL with CLAY (or SILTY CLAY)		Fat CLAY
	Poorly-graded GRAVEL with CLAY and SAND (or SILTY CLAY and SAND)		Fat CLAY with SAND Fat CLAY with GRAVEL SANDY fat CLAY SANDY fat CLAY with GRAVEL GRAVELLY fat CLAY GRAVELLY fat CLAY with SAND
	SILTY GRAVEL		Elastic SILT
	SILTY GRAVEL with SAND		Elastic SILT with SAND Elastic SILT with GRAVEL SANDY elastic SILT SANDY elastic SILT with GRAVEL GRAVELLY elastic SILT GRAVELLY elastic SILT with SAND
	CLAYEY GRAVEL		ORGANIC fat CLAY
	CLAYEY GRAVEL with SAND		ORGANIC fat CLAY with SAND ORGANIC fat CLAY with GRAVEL SANDY ORGANIC fat CLAY SANDY ORGANIC fat CLAY with GRAVEL GRAVELLY ORGANIC fat CLAY GRAVELLY ORGANIC fat CLAY with SAND
	SILTY, CLAYEY GRAVEL		ORGANIC elastic SILT
	SILTY, CLAYEY GRAVEL with SAND		ORGANIC elastic SILT with SAND ORGANIC elastic SILT with GRAVEL SANDY ORGANIC elastic SILT SANDY ORGANIC elastic SILT with GRAVEL GRAVELLY ORGANIC elastic SILT GRAVELLY ORGANIC elastic SILT with SAND
	Well-graded SAND		ORGANIC SOIL
	Well-graded SAND with GRAVEL		ORGANIC SOIL with SAND ORGANIC SOIL with GRAVEL SANDY ORGANIC SOIL SANDY ORGANIC SOIL with GRAVEL GRAVELLY ORGANIC SOIL GRAVELLY ORGANIC SOIL with SAND
	Poorly-graded SAND		ORGANIC SOIL
	Poorly-graded SAND with GRAVEL		ORGANIC SOIL with SAND ORGANIC SOIL with GRAVEL SANDY ORGANIC SOIL SANDY ORGANIC SOIL with GRAVEL GRAVELLY ORGANIC SOIL GRAVELLY ORGANIC SOIL with SAND
	Well-graded SAND with SILT		ORGANIC SOIL
	Well-graded SAND with SILT and GRAVEL		ORGANIC SOIL with SAND ORGANIC SOIL with GRAVEL SANDY ORGANIC SOIL SANDY ORGANIC SOIL with GRAVEL GRAVELLY ORGANIC SOIL GRAVELLY ORGANIC SOIL with SAND
	Well-graded SAND with CLAY (or SILTY CLAY)		ORGANIC SOIL
	Well-graded SAND with CLAY and GRAVEL (or SILTY CLAY and GRAVEL)		ORGANIC SOIL with SAND ORGANIC SOIL with GRAVEL SANDY ORGANIC SOIL SANDY ORGANIC SOIL with GRAVEL GRAVELLY ORGANIC SOIL GRAVELLY ORGANIC SOIL with SAND
	Poorly-graded SAND with SILT		ORGANIC SOIL
	Poorly-graded SAND with SILT and GRAVEL		ORGANIC SOIL with SAND ORGANIC SOIL with GRAVEL SANDY ORGANIC SOIL SANDY ORGANIC SOIL with GRAVEL GRAVELLY ORGANIC SOIL GRAVELLY ORGANIC SOIL with SAND
	Poorly-graded SAND with CLAY (or SILTY CLAY)		ORGANIC SOIL
	Poorly-graded SAND with CLAY and GRAVEL (or SILTY CLAY and GRAVEL)		ORGANIC SOIL with SAND ORGANIC SOIL with GRAVEL SANDY ORGANIC SOIL SANDY ORGANIC SOIL with GRAVEL GRAVELLY ORGANIC SOIL GRAVELLY ORGANIC SOIL with SAND
	SILTY SAND		ORGANIC SOIL
	SILTY SAND with GRAVEL		ORGANIC SOIL with SAND ORGANIC SOIL with GRAVEL SANDY ORGANIC SOIL SANDY ORGANIC SOIL with GRAVEL GRAVELLY ORGANIC SOIL GRAVELLY ORGANIC SOIL with SAND
	CLAYEY SAND		ORGANIC SOIL
	CLAYEY SAND with GRAVEL		ORGANIC SOIL with SAND ORGANIC SOIL with GRAVEL SANDY ORGANIC SOIL SANDY ORGANIC SOIL with GRAVEL GRAVELLY ORGANIC SOIL GRAVELLY ORGANIC SOIL with SAND
	SILTY, CLAYEY SAND		ORGANIC SOIL
	SILTY, CLAYEY SAND with GRAVEL		ORGANIC SOIL with SAND ORGANIC SOIL with GRAVEL SANDY ORGANIC SOIL SANDY ORGANIC SOIL with GRAVEL GRAVELLY ORGANIC SOIL GRAVELLY ORGANIC SOIL with SAND
	PEAT		ORGANIC SOIL
	COBBLES COBBLES and BOULDERS BOULDERS		ORGANIC SOIL with SAND ORGANIC SOIL with GRAVEL SANDY ORGANIC SOIL SANDY ORGANIC SOIL with GRAVEL GRAVELLY ORGANIC SOIL GRAVELLY ORGANIC SOIL with SAND

**FIELD AND LABORATORY TESTING**

- C** Consolidation (ASTM D 2435)
- CL** Collapse Potential (ASTM D 5333)
- CP** Compaction Curve (ASTM D1557)
- CR** Corrosivity Testing (CTM 643, CTM 422, CTM 417)
- CU** Consolidated Undrained Triaxial (ASTM D 4767)
- DS** Direct Shear (ASTM D 3080)
- EI** Expansion Index (ASTM D 4829)
- M** Moisture Content (ASTM D 2216)
- OC** Organic Content-% (ASTM D 2974)
- P** Permeability (CTM 220)
- PA** Particle Size Analysis (ASTM D 422)
- PI** Plasticity Index (ASTM D4318)
- PL** Point Load Index (ASTM D 5731)
- PM** Pressure Meter
- R** R-Value (CTM 301)
- SA** Sieve Analysis (ASTM D6913)
- SE** Sand Equivalent (ASTM D2419)
- 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)
- UU** Unconsolidated Undrained Triaxial (ASTM D 2850)
- UW** Unit Weight (ASTM D 7263)

**SAMPLER GRAPHIC SYMBOLS**

- Standard Penetration Test (SPT)
- Standard California Sampler
- Modified California Sampler
- Shelby Tube
- Piston Sampler
- NX Rock Core
- HQ Rock Core
- Bulk Sample
- Other (see remarks)

**DRILLING METHOD SYMBOLS**

- Auger Drilling
- Rotary Drilling
- Dynamic Cone or Hand Driven
- Diamond Core

**WATER LEVEL SYMBOLS**

- First Water Level Reading (during drilling)
- Static Water Level Reading (short-term)
- Static Water Level Reading (long-term)

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



County of Fresno  
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 4553 E Hamilton Ave, Bldg 413  
 Fresno, CA 93702

REPORT TITLE

**BORING RECORD LEGEND (1 OF 2)**

DIST.	COUNTY	ROUTE	POSTMILE
	FRESNO		
PROJECT			
FRESNO COUNTY ANIMAL CONTROL & ADOPTION CENTER			
PROJECT NUMBER	PREPARED BY	DATE	SHEET
T00310	RAJDEEP SINGH	04/2020	1 OF 34

**CONSISTENCY OF COHESIVE SOILS**

Description	Shear Strength (tsf)	Pocket Penetrometer, PP, Measurement (tsf)	Torvane, TV, Measurement (tsf)	Vane Shear, VS, Measurement (tsf)
Very Soft	Less than 0.12	Less than 0.25	Less than 0.12	Less than 0.12
Soft	0.12 – 0.25	0.25 – 0.5	0.12 – 0.25	0.12 – 0.25
Medium Stiff	0.25 – 0.5	0.5 – 1	0.25 – 0.5	0.25 – 0.5
Stiff	0.5 – 1	1 – 2	0.5 – 1	0.5 – 1
Very Stiff	1 – 2	2 – 4	1 – 2	1 – 2
Hard	Greater than 2	Greater than 4	Greater than 2	Greater than 2

**APPARENT DENSITY OF COHESIONLESS SOILS**

Description	SPT N (blows / 12 inches)
Very Loose	0 – 5
Loose	5 – 10
Medium Dense	10 – 30
Dense	30 – 50
Very Dense	Greater than 50

**MOISTURE**

Description	Criteria
Dry	No discernable moisture
Moist	Moisture present, but no free water
Wet	Visible free water

**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%

**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	

**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.

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



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<b>REPORT TITLE</b>			
<b>BORING RECORD LEGEND (2 OF 2)</b>			
<b>DIST.</b>	<b>COUNTY</b>	<b>ROUTE</b>	<b>POSTMILE</b>
	FRESNO		
<b>PROJECT</b>			
<b>FRESNO COUNTY ANIMAL CONTROL &amp; ADOPTION CENTER</b>			
<b>PROJECT NUMBER</b>	<b>PREPARED BY</b>	<b>DATE</b>	<b>SHEET</b>
T00310	RAJDEEP SINGH	01/12/2020	2 OF 24

LOGGED BY RAJDEEP SINGH	BEGIN DATE 4/20/2020	COMPLETION DATE 4/20/2020	BOREHOLE LOCATION (Lat/Long or North/East and Datum)	HOLE ID B-1
DRILLING CONTRACTOR Materials Laboratory			BOREHOLE LOCATION 232' North 216' East from the Southwest corner of the property	SURFACE ELEVATION
DRILLING METHOD Rotary Auger			DRILLING TRUCK CME 45B - Ford F 550	BOREHOLE DIAMETER 7.25 in.
SAMPLER TYPE(S) AND SIZE(S) Bulk			SPT HAMMER TYPE Auto Drop Hammer	HAMMER EFFICIENCY 140 lbs
BOREHOLE BACKFILL AND COMPLETION NATIVE SOIL			GROUNDWATER N/A	DURING DRILLING N/A
			AFTER DRILLING (DATE) N/A	TOTAL DEPTH OF BORING 5.0 ft

ELEVATION (ft)	DEPTH (ft)	Material Graphics	DESCRIPTION	Sample Location	Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	RQD (%)	Moisture Content (%)	Dry Unit Weight (pcf)	Shear Strength (tsf)	Drilling Method	Casing Depth	Remarks
1			SILTY SAND (SM), brown, moist, Fine		20-0280										SA, SE, R-Value, & CR -Sulphates, Chloride, & Resistivity
2															
3															
4															
5			Bottom of borehole at 5.0 ft. Boring terminated at planned depth.												
6			This boring record was prepared in accordance with the Caltrans Soil & Rock Logging, Classification, and Presentation Manual (2010) with the October 2015 Errata.												
7															
8															
9															
10															
11															
12															




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REPORT TITLE <b>BORING RECORD (1 OF 16)</b>			
DIST.	COUNTY FRESNO	ROUTE	POSTMILE
PROJECT <b>FRESNO COUNTY ANIMAL CONTROL &amp; ADOPTION CENTER</b>			
PROJECT NUMBER T00310	PREPARED BY RAJDEEP SINGH	DATE 4/20/2020	SHEET 3 OF 34

LOGGED BY <b>RAJDEEP SINGH</b>	BEGIN DATE <b>4/20/2020</b>	COMPLETION DATE <b>4/20/2020</b>	BOREHOLE LOCATION (Lat/Long or North/East and Datum)	HOLE ID <b>B-2</b>
DRILLING CONTRACTOR <b>Materials Laboratory</b>			BOREHOLE LOCATION <b>423' North 127' East from the Southwest corner of the property</b>	SURFACE ELEVATION
DRILLING METHOD <b>Rotary Auger</b>			DRILLING TRUCK <b>CME 45B - Ford F 550</b>	BOREHOLE DIAMETER <b>7.25 in.</b>
SAMPLER TYPE(S) AND SIZE(S) <b>Bulk</b>			SPT HAMMER TYPE <b>Auto Drop Hammer</b>	HAMMER EFFICIENCY <b>140 lbs</b>
BOREHOLE BACKFILL AND COMPLETION <b>NATIVE SOIL</b>			GROUNDWATER <b>N/A</b>	DURING DRILLING <b>N/A</b>
			AFTER DRILLING (DATE) <b>N/A</b>	TOTAL DEPTH OF BORING <b>5.0 ft</b>

ELEVATION (ft)	DEPTH (ft)	Material Graphics	DESCRIPTION	Sample Location	Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	RQD (%)	Moisture Content (%)	Dry Unit Weight (pcf)	Shear Strength (tsf)	Drilling Method	Casing Depth	Remarks
1			SILTY SAND (SM), brown, moist, Fine		20-0281										
2															
3															
4															
5			Bottom of borehole at 5.0 ft. Boring terminated at planned depth.												
6			This boring record was prepared in accordance with the Caltrans Soil & Rock Logging, Classification, and Presentation Manual (2010) with the October 2015 Errata.												
7															
8															
9															
10															
11															
12															

 <p><b>County of Fresno</b>          Department of Public Works and Planning          Construction Division          Materials Laboratory          4553 E Hamilton Ave, Bldg 413          Fresno, CA 93702</p>	REPORT TITLE <b>BORING RECORD (2 OF 16)</b>			
	DIST.	COUNTY <b>FRESNO</b>	ROUTE	POSTMILE
	PROJECT <b>FRESNO COUNTY ANIMAL CONTROL &amp; ADOPTION CENTER</b>			
	PROJECT NUMBER <b>T00310</b>	PREPARED BY <b>RAJDEEP SINGH</b>	DATE <b>4/20/2020</b>	SHEET <b>4 OF 34</b>

LOGGED BY <b>RAJDEEP SINGH</b>	BEGIN DATE <b>4/20/2020</b>	COMPLETION DATE <b>4/20/2020</b>	BOREHOLE LOCATION (Lat/Long or North/East and Datum)	HOLE ID <b>B-3</b>
DRILLING CONTRACTOR <b>Materials Laboratory</b>			BOREHOLE LOCATION <b>241' North 23' East from the Southwest corner of the property</b>	SURFACE ELEVATION
DRILLING METHOD <b>Rotary Auger</b>			DRILLING TRUCK <b>CME 45B - Ford F 550</b>	BOREHOLE DIAMETER <b>7.25 in.</b>
SAMPLER TYPE(S) AND SIZE(S) <b>Bulk</b>			SPT HAMMER TYPE <b>Auto Drop Hammer</b>	HAMMER EFFICIENCY <b>140 lbs</b>
BOREHOLE BACKFILL AND COMPLETION <b>NATIVE SOIL</b>			GROUNDWATER <b>N/A</b>	DURING DRILLING <b>N/A</b>
			AFTER DRILLING (DATE) <b>N/A</b>	TOTAL DEPTH OF BORING <b>5.0 ft</b>

ELEVATION (ft)	DEPTH (ft)	Material Graphics	DESCRIPTION	Sample Location	Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	RQD (%)	Moisture Content (%)	Dry Unit Weight (pcf)	Shear Strength (tsf)	Drilling Method	Casing Depth	Remarks
1			SILTY SAND (SM), brown, moist, Fine												
2															
3															
4															
5			Bottom of borehole at 5.0 ft. Boring terminated at planned depth.												
6			This boring record was prepared in accordance with the Caltrans Soil & Rock Logging, Classification, and Presentation Manual (2010) with the October 2015 Errata.												
7															
8															
9															
10															
11															
12															



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REPORT TITLE <b>BORING RECORD (3 OF 16)</b>			
DIST.	COUNTY <b>FRESNO</b>	ROUTE	POSTMILE
PROJECT <b>FRESNO COUNTY ANIMAL CONTROL &amp; ADOPTION CENTER</b>			
PROJECT NUMBER <b>T00310</b>	PREPARED BY <b>RAJDEEP SINGH</b>	DATE <b>4/20/2020</b>	SHEET <b>3 OF 34</b>

LOGGED BY <b>RAJDEEP SINGH</b>	BEGIN DATE <b>4/20/2020</b>	COMPLETION DATE <b>4/20/2020</b>	BOREHOLE LOCATION (Lat/Long or North/East and Datum)	HOLE ID <b>B-4</b>
DRILLING CONTRACTOR <b>Materials Laboratory</b>			BOREHOLE LOCATION <b>86' North 68' East from the Southwest corner of the property</b>	SURFACE ELEVATION
DRILLING METHOD <b>Rotary Auger</b>			DRILLING TRUCK <b>CME 45B - Ford F 550</b>	BOREHOLE DIAMETER <b>7.25 in.</b>
SAMPLER TYPE(S) AND SIZE(S) <b>Bulk</b>			SPT HAMMER TYPE <b>Auto Drop Hammer</b>	HAMMER EFFICIENCY <b>140 lbs</b>
BOREHOLE BACKFILL AND COMPLETION <b>NATIVE SOIL</b>			GROUNDWATER DURING DRILLING AFTER DRILLING (DATE) <b>N/A N/A N/A</b>	TOTAL DEPTH OF BORING <b>5.0 ft</b>

ELEVATION (ft)	DEPTH (ft)	Material Graphics	DESCRIPTION	Sample Location	Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	RQD (%)	Moisture Content (%)	Dry Weight (pcf)	Shear Strength (tsf)	Drilling Method	Casing Depth	Remarks
1			SILTY SAND (SM), brown, moist, Fine												
2															Hold
3															
4															
5			Bottom of borehole at 5.0 ft. Boring terminated at planned depth.												
6			This boring record was prepared in accordance with the Caltrans Soil & Rock Logging, Classification, and Presentation Manual (2010) with the October 2015 Errata.												
7															
8															
9															
10															
11															
12															



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REPORT TITLE <b>BORING RECORD (4 OF 16)</b>			
DIST.	COUNTY <b>FRESNO</b>	ROUTE	POSTMILE
PROJECT <b>FRESNO COUNTY ANIMAL CONTROL &amp; ADOPTION CENTER</b>			
PROJECT NUMBER <b>700310</b>	PREPARED BY <b>RAJDEEP SINGH</b>	DATE <b>4/20/2020</b>	SHEET <b>6 OF 34</b>

LOGGED BY <b>RAJDEEP SINGH</b>	BEGIN DATE <b>4/20/2020</b>	COMPLETION DATE <b>4/20/2020</b>	BOREHOLE LOCATION (Lat/Long or North/East and Datum)	HOLE ID <b>B-5</b>
DRILLING CONTRACTOR <b>Materials Laboratory</b>	BOREHOLE LOCATION <b>68' North 134' East from the Southwest corner of the property</b>		SURFACE ELEVATION	
DRILLING METHOD <b>Rotary Auger</b>	DRILLING TRUCK <b>CME 45B - Ford F 550</b>		BOREHOLE DIAMETER <b>7.25 in.</b>	
SAMPLER TYPE(S) AND SIZE(S) <b>Bulk - CAL (3")</b>	SPT HAMMER TYPE <b>Auto Drop Hammer</b>		HAMMER EFFICIENCY <b>140 lbs</b>	
BOREHOLE BACKFILL AND COMPLETION <b>NATIVE SOIL</b>	GROUNDWATER <b>N/A</b>	DURING DRILLING <b>N/A</b>	AFTER DRILLING (DATE) <b>N/A</b>	TOTAL DEPTH OF BORING <b>15.0 ft</b>

ELEVATION (ft)	DEPTH (ft)	Material Graphics	DESCRIPTION	Sample Location	Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	RQD (%)	Moisture Content (%)	Dry Unit Weight (pcf)	Shear Strength (tsf)	Drilling Method	Casing Depth	Remarks
1	1		SILTY SAND (SM), brown, moist, Fine		20-0283										
2	2														
3	3		-Darker												SA, SE, R-Value, & CR
4	4				20-0284	17									SA
5	5					21									
6	6					18									
7	7														
8	8		-hard pan												
9	9				20-0285	13									SA, & PI
10	10					50									
11	11					50/2"									
12	12														



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REPORT TITLE <b>BORING RECORD (5 OF 16)</b>			
DIST.	COUNTY <b>FRESNO</b>	ROUTE	POSTMILE
PROJECT <b>FRESNO COUNTY ANIMAL CONTROL &amp; ADOPTION CENTER</b>			
PROJECT NUMBER <b>700310</b>	PREPARED BY <b>RAJDEEP SINGH</b>	DATE <b>5/14/2020</b>	SHEET <b>7 OF 34</b>

LOGGED BY <b>RAJDEEP SINGH</b>	BEGIN DATE <b>4/20/2020</b>	COMPLETION DATE <b>4/20/2020</b>	BOREHOLE LOCATION (Lat/Long or North/East and Datum)	HOLE ID <b>B-5</b>
DRILLING CONTRACTOR <b>Materials Laboratory</b>			BOREHOLE LOCATION <b>68' North 134' East from the Southwest corner of the property</b>	SURFACE ELEVATION
DRILLING METHOD <b>Rotary Auger</b>			DRILLING TRUCK <b>CME 45B - Ford F 550</b>	BOREHOLE DIAMETER <b>7.25 in.</b>
SAMPLER TYPE(S) AND SIZE(S) <b>Bulk - CAL (3")</b>			SPT HAMMER TYPE <b>Auto Drop Hammer</b>	HAMMER EFFICIENCY <b>140 lbs</b>
BOREHOLE BACKFILL AND COMPLETION <b>NATIVE SOIL</b>			GROUNDWATER <b>N/A</b>	DURING DRILLING <b>N/A</b>
			AFTER DRILLING (DATE) <b>N/A</b>	TOTAL DEPTH OF BORING <b>15.0 ft</b>

ELEVATION (ft)	DEPTH (ft)	Material Graphics	DESCRIPTION	Sample Location	Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	RQD (%)	Moisture Content (%)	Dry Unit Weight (pcf)	Shear Strength (tsf)	Drilling Method	Casing Depth	Remarks
13			-Gravel SILTY SAND (SM), light grey, fine												SA
14															
15			Bottom of borehole at 15.0 ft. Boring terminated at planned depth.												
16			This boring record was prepared in accordance with the Caltrans Soil & Rock Logging, Classification, and Presentation Manual (2010) with the October 2015 Errata.												
17															
18															
19															
20															
21															
22															
23															
24															



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REPORT TITLE <b>BORING RECORD (5 OF 16)</b>			
DIST.	COUNTY <b>FRESNO</b>	ROUTE	POSTMILE
PROJECT <b>FRESNO COUNTY ANIMAL CONTROL &amp; ADOPTION CENTER</b>			
PROJECT NUMBER <b>700310</b>	PREPARED BY <b>RAJDEEP SINGH</b>	DATE <b>04/20/2020</b>	SHEET <b>8 OF 34</b>



LOGGED BY <b>RAJDEEP SINGH</b>	BEGIN DATE <b>5/12/2020</b>	COMPLETION DATE <b>5/12/2020</b>	BOREHOLE LOCATION (Lat/Long or North/East and Datum)	HOLE ID <b>B-6</b>
DRILLING CONTRACTOR <b>Materials Laboratory</b>			BOREHOLE LOCATION <b>68' North 161' East from the Southwest corner of the property</b>	SURFACE ELEVATION
DRILLING METHOD <b>Rotary Auger</b>			DRILLING TRUCK <b>CME 45B - Ford F 550</b>	BOREHOLE DIAMETER <b>7.25 in.</b>
SAMPLER TYPE(S) AND SIZE(S) <b>Bulk - CAL (3") - SPT (2")</b>			SPT HAMMER TYPE <b>Auto Drop Hammer</b>	HAMMER EFFICIENCY <b>140 lbs</b>
BOREHOLE BACKFILL AND COMPLETION <b>NATIVE SOIL</b>			GROUNDWATER <b>N/A</b>	DURING DRILLING <b>N/A</b>
			AFTER DRILLING (DATE) <b>N/A</b>	TOTAL DEPTH OF BORING <b>16.5 ft</b>

ELEVATION (ft)	DEPTH (ft)	Material Graphics	DESCRIPTION	Sample Location	Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	RQD (%)	Moisture Content (%)	Dry Unit Weight (pcf)	Shear Strength (tsf)	Drilling Method	Casing Depth	Remarks
1			SILTY SAND (SM), brown, moist, Fine		20-0363	13									
2						21									SA, Density, Moisture, & Direct Shear (6.1)
3						19									
4			-Medium Sand												
5					20-0364	4									SA, Density, & Moisture (6.2)
6						4									
7			SILTY SAND (SM), brown, moist, Fine -Hard Pan			5									
8					20-0365	15									SA (6.3)
9						27									
10			-Rustic Veins			46									
11					20-0366	16									SA & PI (6.4)
12			SILTY SAND (SM), Gray			34									
						26									



**County of Fresno**  
 Department of Public Works and Planning  
 Construction Division  
 Materials Laboratory  
 4553 E Hamilton Ave, Bldg 413  
 Fresno, CA 93702

REPORT TITLE <b>BORING RECORD (6 OF 16)</b>			
DIST.	COUNTY <b>FRESNO</b>	ROUTE	POSTMILE
PROJECT <b>FRESNO COUNTY ANIMAL CONTROL &amp; ADOPTION CENTER</b>			
PROJECT NUMBER <b>TR0310</b>	PREPARED BY <b>RAJDEEP SINGH</b>	DATE <b>5/12/2020</b>	SHEET <b>9 OF 34</b>

LOGGED BY <b>RAJDEEP SINGH</b>	BEGIN DATE <b>5/12/2020</b>	COMPLETION DATE <b>5/12/2020</b>	BOREHOLE LOCATION (Lat/Long or North/East and Datum)			HOLE ID <b>B-6</b>
DRILLING CONTRACTOR <b>Materials Laboratory</b>			BOREHOLE LOCATION <b>68' North 161' East from the Southwest corner of the property</b>			SURFACE ELEVATION
DRILLING METHOD <b>Rotary Auger</b>			DRILLING TRUCK <b>CME 45B - Ford F 550</b>			BOREHOLE DIAMETER <b>7.25 in.</b>
SAMPLER TYPE(S) AND SIZE(S) <b>Bulk - CAL (3") - SPT (2")</b>			SPT HAMMER TYPE <b>Auto Drop Hammer</b>			HAMMER EFFICIENCY <b>140 lbs</b>
BOREHOLE BACKFILL AND COMPLETION <b>NATIVE SOIL</b>			GROUNDWATER <b>N/A</b>	DURING DRILLING <b>N/A</b>	AFTER DRILLING (DATE) <b>N/A</b>	TOTAL DEPTH OF BORING <b>16.5 ft</b>

ELEVATION (ft)	DEPTH (ft)	Material Graphics	DESCRIPTION	Sample Location	Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	RQD (%)	Moisture Content (%)	Dry Unit Weight (pcf)	Shear Strength (tsf)	Drilling Method	Casing Depth	Remarks
13															
14															
15			SILTY SAND (SM), gray, moist, Fine -Iron Oxide Veins		20-0367	20									SA, Density, & Moisture (6.5)
16						40									
17			Bottom of borehole at 16.5 ft. Boring terminated at planned depth.			50									
18			This boring record was prepared in accordance with the Caltrans Soil & Rock Logging, Classification, and Presentation Manual (2010) with the October 2015 Errata.												
19															
20															
21															
22															
23															
24															



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REPORT TITLE <b>BORING RECORD (6 OF 16)</b>			
DIST.	COUNTY <b>FRESNO</b>	ROUTE	POSTMILE
PROJECT <b>FRESNO COUNTY ANIMAL CONTROL &amp; ADOPTION CENTER</b>			
PROJECT NUMBER <b>T20310</b>	PREPARED BY <b>RAJDEEP SINGH</b>	DATE <b>5/14/2020</b>	SHEET <b>10 OF 34</b>

LOGGED BY <b>RAJDEEP SINGH</b>	BEGIN DATE <b>5/12/2020</b>	COMPLETION DATE <b>5/12/2020</b>	BOREHOLE LOCATION (Lat/Long or North/East and Datum)	HOLE ID <b>B-7</b>
DRILLING CONTRACTOR <b>Materials Laboratory</b>			BOREHOLE LOCATION <b>136' North 163' East from the Southwest corner of the property</b>	SURFACE ELEVATION
DRILLING METHOD <b>Rotary Auger</b>			DRILLING TRUCK <b>CME 45B - Ford F 550</b>	BOREHOLE DIAMETER <b>7.25 in.</b>
SAMPLER TYPE(S) AND SIZE(S) <b>Bulk - CAL (3") - SPT (2")</b>			SPT HAMMER TYPE <b>Auto Drop Hammer</b>	HAMMER EFFICIENCY <b>140 lbs</b>
BOREHOLE BACKFILL AND COMPLETION <b>NATIVE SOIL</b>			GROUNDWATER <b>N/A</b>	DURING DRILLING <b>N/A</b>
			AFTER DRILLING (DATE) <b>N/A</b>	TOTAL DEPTH OF BORING <b>25.0 ft</b>

ELEVATION (ft)	DEPTH (ft)	Material Graphics	DESCRIPTION	Sample Location	Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	RQD (%)	Moisture Content (%)	Dry Unit Weight (pcf)	Shear Strength (tsf)	Drilling Method	Casing Depth	Remarks
1															
2			SILTY SAND (SM), brown, moist, Fine												
3					20-0368	10									SA, Density, & Moisture (7.1)
4			-Medium Sand			20									
5					20-0369	17									SA, Density, & Moisture (7.2)
6			-Light Brown, Hard pan, Fine			8									
7						7									
8						5									
9															
10			-Some gravel												
11			-iron oxide veins		20-0370	26									SA, Density, & Moisture (7.3)
12						50	4.5"								



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REPORT TITLE <b>BORING RECORD (7 OF 16)</b>			
DIST.	COUNTY <b>FRESNO</b>	ROUTE	POSTMILE
PROJECT <b>FRESNO COUNTY ANIMAL CONTROL &amp; ADOPTION CENTER</b>			
PROJECT NUMBER <b>TR0370</b>	PREPARED BY <b>RAJDEEP SINGH</b>	DATE <b>5/12/2020</b>	SHEET <b>11 OF 34</b>

LOGGED BY RAJDEEP SINGH	BEGIN DATE 5/12/2020	COMPLETION DATE 5/12/2020	BOREHOLE LOCATION (Lat/Long or North/East and Datum)	HOLE ID B-7
DRILLING CONTRACTOR Materials Laboratory			BOREHOLE LOCATION 136' North 163' East from the Southwest corner of the property	SURFACE ELEVATION
DRILLING METHOD Rotary Auger			DRILLING TRUCK CME 45B - Ford F 550	BOREHOLE DIAMETER 7.25 in.
SAMPLER TYPE(S) AND SIZE(S) Bulk - CAL (3") - SPT (2")			SPT HAMMER TYPE Auto Drop Hammer	HAMMER EFFICIENCY 140 lbs
BOREHOLE BACKFILL AND COMPLETION NATIVE SOIL			GROUNDWATER N/A	DURING DRILLING N/A
			AFTER DRILLING (DATE) N/A	TOTAL DEPTH OF BORING 25.0 ft

ELEVATION (ft)	DEPTH (ft)	Material Graphics	DESCRIPTION	Sample Location	Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	RDD (%)	Moisture Content (%)	Dry Unit Weight (pcf)	Shear Strength (tsf)	Drilling Method	Casing Depth	Remarks	
13		[Material Graphic: Clayey Sandy Silt]	- Clayey Sandy Silt, Light gray	[Material Graphic: Silt]	20-0371	18							[Material Graphic: Silt]		SA, PI, & Moisture (7.4)	
			- iron oxide veins			27										
14			SILTY SAND (SM), gray			21										
15		[Material Graphic: Silty Sand]		[Material Graphic: Sand]	20-0372								[Material Graphic: Sand]		SA, Density, & Moisture (7.5)	
16						4										
17			- Coarse-medium, Sand, Brown			7										
18		[Material Graphic: Silty Sand]		[Material Graphic: Sand]	20-0373								[Material Graphic: Sand]		SA & Moisture (7.6)	
19						11										
20							10									
21																
22																
23																
24			SILTY SAND (SM), Gray, with iron oxide staining			18										
						10										



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REPORT TITLE <b>BORING RECORD (7 OF 16)</b>			
DIST.	COUNTY FRESNO	ROUTE	POSTMILE
PROJECT <b>FRESNO COUNTY ANIMAL CONTROL &amp; ADOPTION CENTER</b>			
PROJECT NUMBER T00510	PREPARED BY RAJDEEP SINGH	DATE 01/22/2020	SHEET 12 OF 34

LOGGED BY <b>RAJDEEP SINGH</b>	BEGIN DATE <b>5/12/2020</b>	COMPLETION DATE <b>5/12/2020</b>	BOREHOLE LOCATION (Lat/Long or North/East and Datum)		HOLE ID <b>B-7</b>
DRILLING CONTRACTOR <b>Materials Laboratory</b>			BOREHOLE LOCATION <b>136' North 163' East from the Southwest corner of the property</b>		SURFACE ELEVATION
DRILLING METHOD <b>Rotary Auger</b>			DRILLING TRUCK <b>CME 45B - Ford F 550</b>		BOREHOLE DIAMETER <b>7.25 in.</b>
SAMPLER TYPE(S) AND SIZE(S) <b>Bulk - CAL (3") - SPT (2")</b>			SPT HAMMER TYPE <b>Auto Drop Hammer</b>		HAMMER EFFICIENCY <b>140 lbs</b>
BOREHOLE BACKFILL AND COMPLETION <b>NATIVE SOIL</b>			GROUNDWATER <b>N/A</b>	DURING DRILLING <b>N/A</b>	AFTER DRILLING (DATE) <b>N/A</b>
					TOTAL DEPTH OF BORING <b>25.0 ft</b>

ELEVATION (ft)	DEPTH (ft)	Material Graphics	DESCRIPTION	Sample Location	Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	ROD (%)	Moisture Content (%)	Dry Unit Weight (pcf)	Shear Strength (tsf)	Drilling Method	Casing Depth	Remarks	
25	25		Bottom of borehole at 25 ft. Boring terminated at planned depth.		20-0374										SA (7.6)	
26	26		This boring record was prepared in accordance with the Caltrans Soil & Rock Logging, Classification, and Presentation Manual (2010) with the October 2015 Errata.													
27	27															
28	28															
29	29															
30	30															
31	31															
32	32															
33	33															
34	34															
35	35															
36	36															
37	37															



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REPORT TITLE <b>BORING RECORD (7 OF 16)</b>			
DIST.	COUNTY <b>FRESNO</b>	ROUTE	POSTMILE
PROJECT <b>FRESNO COUNTY ANIMAL CONTROL &amp; ADOPTION CENTER</b>			
PROJECT NUMBER <b>TR0310</b>	PREPARED BY <b>RAJDEEP SINGH</b>	DATE <b>5/12/2020</b>	SHEET <b>13 OF 34</b>

LOGGED BY <b>RAJDEEP SINGH</b>	BEGIN DATE <b>5/13/2020</b>	COMPLETION DATE <b>5/13/2020</b>	BOREHOLE LOCATION (Lat/Long or North/East and Datum)	HOLE ID <b>B-8</b>
DRILLING CONTRACTOR <b>Materials Laboratory</b>			BOREHOLE LOCATION <b>107' North 145' East from the Southwest corner of the property</b>	SURFACE ELEVATION
DRILLING METHOD <b>Rotary Auger</b>			DRILLING TRUCK <b>CME 45B - Ford F 550</b>	BOREHOLE DIAMETER <b>7.25 in.</b>
SAMPLER TYPE(S) AND SIZE(S) <b>Bulk - CAL (3") - SPT (2")</b>			SPT HAMMER TYPE <b>Auto Drop Hammer</b>	HAMMER EFFICIENCY <b>140 lbs</b>
BOREHOLE BACKFILL AND COMPLETION <b>NATIVE SOIL</b>			GROUNDWATER <b>N/A</b>	DURING DRILLING <b>N/A</b>
			AFTER DRILLING (DATE) <b>N/A</b>	TOTAL DEPTH OF BORING <b>16.5 ft</b>

ELEVATION (ft)	DEPTH (ft)	Material Graphics	DESCRIPTION	Sample Location	Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	RQD (%)	Moisture Content (%)	Dry Unit Weight (pcf)	Shear Strength (tsf)	Drilling Method	Casing Depth	Remarks
1			SILTY SAND (SM), brown, moist, Fine												
2					20-0375	7									SA, Density, & Moisture (8.1)
3						11									
4						8									
5					20-0376	4									SA, Density, & Moisture (8.2)
6			- lighter color			9									
7						11									
8			-hard pan												
9			-easier drilling												
10			SILTY SAND (SM) or SANDY SILT (ML)		20-0377	50									SA, & PI (8.3)
11			-Light Brown/Gray			50 1/2"									
12															



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REPORT TITLE <b>BORING RECORD (8 OF 16)</b>			
DIST.	COUNTY <b>FRESNO</b>	ROUTE	POSTMILE
PROJECT <b>FRESNO COUNTY ANIMAL CONTROL &amp; ADOPTION CENTER</b>			
PROJECT NUMBER <b>700310</b>	PREPARED BY <b>RAJDEEP SINGH</b>	DATE <b>5/14/2020</b>	SHEET <b>14 OF 34</b>

LOGGED BY <b>RAJDEEP SINGH</b>	BEGIN DATE <b>5/13/2020</b>	COMPLETION DATE <b>5/13/2020</b>	BOREHOLE LOCATION (Lat/Long or North/East and Datum)	HOLE ID <b>B-8</b>
DRILLING CONTRACTOR <b>Materials Laboratory</b>			BOREHOLE LOCATION <b>107' North 145' East from the Southwest corner of the property</b>	SURFACE ELEVATION
DRILLING METHOD <b>Rotary Auger</b>			DRILLING TRUCK <b>CME 45B - Ford F 550</b>	BOREHOLE DIAMETER <b>7.25 in.</b>
SAMPLER TYPE(S) AND SIZE(S) <b>Bulk - CAL (3") - SPT (2")</b>			SPT HAMMER TYPE <b>Auto Drop Hammer</b>	HAMMER EFFICIENCY <b>140 lbs</b>
BOREHOLE BACKFILL AND COMPLETION <b>NATIVE SOIL</b>			GROUNDWATER <b>N/A</b>	DURING DRILLING <b>N/A</b>
			AFTER DRILLING (DATE) <b>N/A</b>	TOTAL DEPTH OF BORING <b>16.5 ft</b>

ELEVATION (ft)	DEPTH (ft)	Material Graphics	DESCRIPTION	Sample Location	Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	ROD (%)	Moisture Content (%)	Dry Unit Weight (pcf)	Shear Strength (tsf)	Drilling Method	Casing Depth	Remarks
13			-gray-brown												
14			- iron oxide veins												
15			-Half gray Half brown SILTY SAND (SM)		20-0378	4	15								SA, Density, & Moisture (8.4)
16						22									
17			Bottom of borehole at 16.5 ft. Boring terminated at planned depth.												
18			This boring record was prepared in accordance with the Caltrans Soil & Rock Logging, Classification, and Presentation Manual (2010) with the October 2015 Errata.												
19															
20															
21															
22															
23															
24															




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REPORT TITLE <b>BORING RECORD (8 OF 16)</b>			
DIST.	COUNTY <b>FRESNO</b>	ROUTE	POSTMILE
PROJECT <b>FRESNO COUNTY ANIMAL CONTROL &amp; ADOPTION CENTER</b>			
PROJECT NUMBER <b>TR0510</b>	PREPARED BY <b>RAJDEEP SINGH</b>	DATE <b>5/14/2020</b>	SHEET <b>18 OF 34</b>

LOGGED BY <b>RAJDEEP SINGH</b>	BEGIN DATE <b>5/15/2020</b>	COMPLETION DATE <b>5/15/2020</b>	BOREHOLE LOCATION (Lat/Long or North/East and Datum)			HOLE ID <b>B-9</b>
DRILLING CONTRACTOR <b>Materials Laboratory</b>			BOREHOLE LOCATION <b>261' North 45' East from the Southwest corner of the property</b>			SURFACE ELEVATION
DRILLING METHOD <b>Rotary Auger</b>			DRILLING TRUCK <b>CME 45B - Ford F 550</b>			BOREHOLE DIAMETER <b>7.25 in.</b>
SAMPLER TYPE(S) AND SIZE(S) <b>Bulk - CAL (3") - SPT (2")</b>			SPT HAMMER TYPE <b>Auto Drop Hammer</b>			HAMMER EFFICIENCY <b>140 lbs</b>
BOREHOLE BACKFILL AND COMPLETION <b>NATIVE SOIL</b>			GROUNDWATER <b>N/A</b>	DURING DRILLING <b>N/A</b>	AFTER DRILLING (DATE) <b>N/A</b>	TOTAL DEPTH OF BORING <b>29.5 ft</b>

ELEVATION (ft)	DEPTH (ft)	Material Graphics	DESCRIPTION	Sample Location	Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	ROD (%)	Moisture Content (%)	Dry Unit Weight (pcf)	Shear Strength (tsf)	Drilling Method	Casing Depth	Remarks
1															
2			SILTY SAND (SM), brown, moist, Fine			7									
					20-0399	8									SA, Density, & Moisture (9.1)
			-Medium to fine			9									
4															
5			-Light Brown		20-0400	4									SA, Density, & Moisture (9.2)
6						3									
7						7									
8			SILTY SAND (SM), brown mix												
					20-0401	14									SA (9.3)
			-gray			44									
						50/5"									
10			-Hard pan												
			-Light gray												
11															
12															

 <p> <b>County of Fresno</b>          Department of Public Works and Planning          Construction Division          Materials Laboratory          4553 E Hamilton Ave, Bldg 413          Fresno, CA 93702       </p>	<b>REPORT TITLE</b> <b>BORING RECORD (9 OF 16)</b>			
	<b>DIST.</b> COUNTY	COUNTY <b>FRESNO</b>	<b>ROUTE</b>	<b>POSTMILE</b>
	<b>PROJECT</b> <b>FRESNO COUNTY ANIMAL CONTROL &amp; ADOPTION CENTER</b>			
	<b>PROJECT NUMBER</b> <b>TR0010</b>	<b>PREPARED BY</b> <b>RAJDEEP SINGH</b>	<b>DATE</b> <b>5/14/2020</b>	<b>SHEET</b> <b>10 OF 34</b>



LOGGED BY <b>RAJDEEP SINGH</b>	BEGIN DATE <b>5/15/2020</b>	COMPLETION DATE <b>5/15/2020</b>	BOREHOLE LOCATION (Lat/Long or North/East and Datum)	HOLE ID <b>B-9</b>
DRILLING CONTRACTOR <b>Materials Laboratory</b>	BOREHOLE LOCATION <b>261' North 45' East from the Southwest corner of the property</b>		SURFACE ELEVATION	
DRILLING METHOD <b>Rotary Auger</b>	DRILLING TRUCK <b>CME 45B - Ford F 550</b>		BOREHOLE DIAMETER <b>7.25 in.</b>	
SAMPLER TYPE(S) AND SIZE(S) <b>Bulk - CAL (3") - SPT (2")</b>	SPT HAMMER TYPE <b>Auto Drop Hammer</b>		HAMMER EFFICIENCY <b>140 lbs</b>	
BOREHOLE BACKFILL AND COMPLETION <b>NATIVE SOIL</b>	GROUNDWATER <b>N/A</b>	DURING DRILLING <b>N/A</b>	AFTER DRILLING (DATE) <b>N/A</b>	TOTAL DEPTH OF BORING <b>29.5 ft</b>

ELEVATION (ft)	DEPTH (ft)	Material Graphics	DESCRIPTION	Sample Location	Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	RQD (%)	Moisture Content (%)	Dry Unit Weight (pcf)	Shear Strength (tsf)	Drilling Method	Casing Depth	Remarks	
13			SANDY SILT (ML), gray, fine, moist - rustic veins		20-0402	11									SA, Density, & Moisture (9.4)	
14					37											
15					- easier to drill		50									
16			SILTY SAND (SM), Light gray, fine, moist		20-0403	3									SA (9.5)	
17						4										
18							3									
19			SILTY SAND (SM), light gray, iron oxide veins, moist, fine		20-0404	9									SA, Density, & Moisture (9.6)	
20						9										
21							9									
22																
23																
24																



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REPORT TITLE <b>BORING RECORD (9 OF 16)</b>			
DIST.	COUNTY <b>FRESNO</b>	ROUTE	POSTMILE
PROJECT <b>FRESNO COUNTY ANIMAL CONTROL &amp; ADOPTION CENTER</b>			
PROJECT NUMBER <b>T00310</b>	PREPARED BY <b>RAJDEEP SINGH</b>	DATE <b>5/14/2020</b>	SHEET <b>17 OF 34</b>

LOGGED BY <b>RAJDEEP SINGH</b>	BEGIN DATE <b>5/15/2020</b>	COMPLETION DATE <b>5/15/2020</b>	BOREHOLE LOCATION (Lat/Long or North/East and Datum)	HOLE ID <b>B-9</b>
DRILLING CONTRACTOR <b>Materials Laboratory</b>			BOREHOLE LOCATION <b>261' North 45' East from the Southwest corner of the property</b>	SURFACE ELEVATION
DRILLING METHOD <b>Rotary Auger</b>			DRILLING TRUCK <b>CME 45B - Ford F 550</b>	BOREHOLE DIAMETER <b>7.25 in.</b>
SAMPLER TYPE(S) AND SIZE(S) <b>Bulk - CAL (3") - SPT (2")</b>			SPT HAMMER TYPE <b>Auto Drop Hammer</b>	HAMMER EFFICIENCY <b>140 lbs</b>
BOREHOLE BACKFILL AND COMPLETION <b>NATIVE SOIL</b>			GROUNDWATER <b>N/A</b>	DURING DRILLING <b>N/A</b>
			AFTER DRILLING (DATE) <b>N/A</b>	TOTAL DEPTH OF BORING <b>29.5 ft</b>

ELEVATION (ft)	DEPTH (ft)	Material Graphics	DESCRIPTION	Sample Location	Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	RQD (%)	Moisture Content (%)	Dry Unit Weight (pcf)	Shear Strength (tsf)	Drilling Method	Casing Depth	Remarks
25															
26															
27															
28			SILTY SAND (SM), Light gray, fine, moist		20-0405	2									SA (9.7)
29						5									
30			Bottom of borehole at 29.5 ft. Boring terminated at planned depth.			5									
31			This boring record was prepared in accordance with the Caltrans Soil & Rock Logging, Classification, and Presentation Manual (2010) with the October 2015 Errata.												
32															
33															
34															
35															
36															
37															



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REPORT TITLE <b>BORING RECORD (3 OF 16)</b>			
DIST.	COUNTY <b>FRESNO</b>	ROUTE	POSTMILE
PROJECT <b>FRESNO COUNTY ANIMAL CONTROL &amp; ADOPTION CENTER</b>			
PROJECT NUMBER <b>780310</b>	PREPARED BY <b>RAJDEEP SINGH</b>	DATE <b>5/14/2020</b>	SHEET <b>10 OF 34</b>

LOGGED BY <b>RAJDEEP SINGH</b>	BEGIN DATE <b>5/15/2020</b>	COMPLETION DATE <b>5/15/2020</b>	BOREHOLE LOCATION (Lat/Long or North/East and Datum)	HOLE ID <b>B-10</b>
DRILLING CONTRACTOR <b>Materials Laboratory</b>	BOREHOLE LOCATION <b>220' North 43' East from the Southwest corner of the property</b>		SURFACE ELEVATION	
DRILLING METHOD <b>Rotary Auger</b>	DRILLING TRUCK <b>CME 45B - Ford F 550</b>		BOREHOLE DIAMETER <b>7.25 in.</b>	
SAMPLER TYPE(S) AND SIZE(S) <b>Bulk - CAL (3") - SPT (2")</b>	SPT HAMMER TYPE <b>Auto Drop Hammer</b>		HAMMER EFFICIENCY <b>140 lbs</b>	
BOREHOLE BACKFILL AND COMPLETION <b>NATIVE SOIL</b>	GROUNDWATER <b>N/A</b>	DURING DRILLING <b>N/A</b>	AFTER DRILLING (DATE) <b>N/A</b>	TOTAL DEPTH OF BORING <b>16.5 ft</b>

ELEVATION (ft)	DEPTH (ft)	Material Graphics	DESCRIPTION	Sample Location	Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	RQD (%)	Moisture Content (%)	Dry Unit Weight (pcf)	Shear Strength (tsf)	Drilling Method	Casing Depth	Remarks	
1			SILTY SAND (SM), brown, moist, Fine			6										
						10										SA, Density, & Moisture (10.1)
2					20-0408	6										
3																
4																
5			SILTY SAND (SM), brown, moist, Medium-Fine			3										
						5										SA (10.2)
6					20-0409	4										
7																
8			-hard pan, Brown, Grey, Light grey			8										SA (10.3)
						50/4"										
9			-Some recovery (picture)													
10																
11			SILTY SAND (SM), brown			7										
						17										
						20										SA (10.4)
12			-Coarser Sand at the bottom of the sample		20-0411											



**County of Fresno**  
 Department of Public Works and Planning  
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 Materials Laboratory  
 4553 E Hamilton Ave, Bldg 413  
 Fresno, CA 93702

REPORT TITLE <b>BORING RECORD (10 OF 16)</b>			
DIST.	COUNTY <b>FRESNO</b>	ROUTE	POSTMILE
PROJECT <b>FRESNO COUNTY ANIMAL CONTROL &amp; ADOPTION CENTER</b>			
PROJECT NUMBER <b>T08310</b>	PREPARED BY <b>RAJDEEP SINGH</b>	DATE <b>5/14/2020</b>	SHEET <b>19 OF 34</b>

LOGGED BY <b>RAJDEEP SINGH</b>	BEGIN DATE <b>5/15/2020</b>	COMPLETION DATE <b>5/15/2020</b>	BOREHOLE LOCATION (Lat/Long or North/East and Datum)	HOLE ID <b>B-10</b>
DRILLING CONTRACTOR <b>Materials Laboratory</b>			BOREHOLE LOCATION <b>220' North 43' East from the Southwest corner of the property</b>	SURFACE ELEVATION
DRILLING METHOD <b>Rotary Auger</b>			DRILLING TRUCK <b>CME 45B - Ford F 550</b>	BOREHOLE DIAMETER <b>7.25 in.</b>
SAMPLER TYPE(S) AND SIZE(S) <b>Bulk - CAL (3") - SPT (2")</b>			SPT HAMMER TYPE <b>Auto Drop Hammer</b>	HAMMER EFFICIENCY <b>140 lbs</b>
BOREHOLE BACKFILL AND COMPLETION <b>NATIVE SOIL</b>			GROUNDWATER <b>N/A</b>	DURING DRILLING <b>N/A</b>
			AFTER DRILLING (DATE) <b>N/A<sub>1</sub></b>	TOTAL DEPTH OF BORING <b>16.5 ft</b>

ELEVATION (ft)	DEPTH (ft)	Material Graphics	DESCRIPTION	Sample Location	Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	RQD (%)	Moisture Content (%)	Dry Unit Weight (pcf)	Shear Strength (tsf)	Drilling Method	Casing Depth	Remarks
13															
14															
15			Minimal gravel pieces SANDY SILT (ML), lite grey - brown veins		20-0412	10									SA, Density, & Moisture (10.5)
16						23									
17			Bottom of borehole at 16.5 ft. Boring terminated at planned depth.			44									
18			This boring record was prepared in accordance with the Caltrans Soil & Rock Logging, Classification, and Presentation Manual (2010) with the October 2015 Errata.												
19															
20															
21															
22															
23															
24															



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REPORT TITLE <b>BORING RECORD (10 OF 16)</b>			
DIST.	COUNTY <b>FRESNO</b>	ROUTE	POSTMILE
PROJECT <b>FRESNO COUNTY ANIMAL CONTROL &amp; ADOPTION CENTER</b>			
PROJECT NUMBER <b>788310</b>	PREPARED BY <b>RAJDEEP SINGH</b>	DATE <b>05/14/2020</b>	SHEET <b>20 OF 34</b>

LOGGED BY <b>RAJDEEP SINGH</b>	BEGIN DATE <b>5/19/2020</b>	COMPLETION DATE <b>5/19/2020</b>	BOREHOLE LOCATION (Lat/Long or North/East and Datum)	HOLE ID <b>B-11</b>
DRILLING CONTRACTOR <b>Materials Laboratory</b>	BOREHOLE LOCATION <b>222' North 86' East from the Southwest corner of the property</b>		SURFACE ELEVATION	
DRILLING METHOD <b>Rotary Auger</b>	DRILLING TRUCK <b>CME 45B - Ford F 550</b>		BOREHOLE DIAMETER <b>7.25 in.</b>	
SAMPLER TYPE(S) AND SIZE(S) <b>Bulk - CAL (3") - SPT (2")</b>	SPT HAMMER TYPE <b>Auto Drop Hammer</b>		HAMMER EFFICIENCY <b>140 lbs</b>	
BOREHOLE BACKFILL AND COMPLETION <b>NATIVE SOIL</b>	GROUNDWATER <b>N/A</b>	DURING DRILLING <b>N/A</b>	AFTER DRILLING (DATE) <b>N/A</b>	TOTAL DEPTH OF BORING <b>16.5 ft</b>

ELEVATION (ft)	DEPTH (ft)	Material Graphics	DESCRIPTION	Sample Location	Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	RQD (%)	Moisture Content (%)	Dry Unit Weight (pcf)	Shear Strength (tsf)	Drilling Method	Casing Depth	Remarks
1			SILTY SAND (SM), brown, moist, Fine												
2															
3															
4															
5					20-0418	6									
6						11									SA, Density, & Moisture (11.1)
7						9									
8															
9															
10			Brown to light grey -Light grey with rustic viens		20-0423	30									SA (11.2)
11						50/4"									
12															



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REPORT TITLE <b>BORING RECORD (11 OF 16)</b>			
DIST.	COUNTY <b>FRESNO</b>	ROUTE	POSTMILE
PROJECT <b>FRESNO COUNTY ANIMAL CONTROL &amp; ADOPTION CENTER</b>			
PROJECT NUMBER <b>T00310</b>	PREPARED BY <b>RAJDEEP SINGH</b>	DATE <b>5/14/2020</b>	SHEET <b>21 OF 34</b>

LOGGED BY <b>RAJDEEP SINGH</b>	BEGIN DATE <b>5/19/2020</b>	COMPLETION DATE <b>5/19/2020</b>	BOREHOLE LOCATION (Lat/Long or North/East and Datum)	HOLE ID <b>B-11</b>
DRILLING CONTRACTOR <b>Materials Laboratory</b>			BOREHOLE LOCATION <b>222' North 86' East from the Southwest corner of the property</b>	SURFACE ELEVATION
DRILLING METHOD <b>Rotary Auger</b>			DRILLING TRUCK <b>CME 45B - Ford F 550</b>	BOREHOLE DIAMETER <b>7.25 in.</b>
SAMPLER TYPE(S) AND SIZE(S) <b>Bulk - CAL (3") - SPT (2")</b>			SPT HAMMER TYPE <b>Auto Drop Hammer</b>	HAMMER EFFICIENCY <b>140 lbs</b>
BOREHOLE BACKFILL AND COMPLETION <b>NATIVE SOIL</b>			GROUNDWATER <b>N/A</b>	DURING DRILLING <b>N/A</b>
			AFTER DRILLING (DATE) <b>N/A</b>	TOTAL DEPTH OF BORING <b>16.5 ft</b>

ELEVATION (ft)	DEPTH (ft)	Material Graphics	DESCRIPTION	Sample Location	Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	ROD (%)	Moisture Content (%)	Dry Unit Weight (pcf)	Shear Strength (tsf)	Drilling Method	Casing Depth	Remarks
13															
14															
15															
16															
17			Bottom of borehole at 16.5 ft. Boring terminated at planned depth.												
18			This boring record was prepared in accordance with the Caltrans Soil & Rock Logging, Classification, and Presentation Manual (2010) with the October 2015 Errata.												
19															
20															
21															
22															
23															
24															



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REPORT TITLE <b>BORING RECORD (11 OF 16)</b>			
DIST.	COUNTY <b>FRESNO</b>	ROUTE	POSTMILE
PROJECT <b>FRESNO COUNTY ANIMAL CONTROL &amp; ADOPTION CENTER</b>			
PROJECT NUMBER <b>T8810</b>	PREPARED BY <b>RAJDEEP SINGH</b>	DATE <b>5/14/2020</b>	SHEET <b>22 OF 34</b>

LOGGED BY <b>RAJDEEP SINGH</b>	BEGIN DATE <b>5/19/2020</b>	COMPLETION DATE <b>5/19/2020</b>	BOREHOLE LOCATION (Lat/Long or North/East and Datum)	HOLE ID <b>B-12</b>
DRILLING CONTRACTOR <b>Materials Laboratory</b>	BOREHOLE LOCATION <b>264' North 85' East from the Southwest corner of the property</b>			SURFACE ELEVATION
DRILLING METHOD <b>Rotary Auger</b>	DRILLING TRUCK <b>CME 45B - Ford F 550</b>			BOREHOLE DIAMETER <b>7.25 in.</b>
SAMPLER TYPE(S) AND SIZE(S) <b>Bulk - CAL (3") - SPT (2")</b>	SPT HAMMER TYPE <b>Auto Drop Hammer</b>			HAMMER EFFICIENCY <b>140 lbs</b>
BOREHOLE BACKFILL AND COMPLETION <b>NATIVE SOIL</b>	GROUNDWATER <b>N/A</b>	DURING DRILLING <b>N/A</b>	AFTER DRILLING (DATE) <b>N/A</b>	TOTAL DEPTH OF BORING <b>16.5 ft</b>

ELEVATION (ft)	DEPTH (ft)	Material Graphics	DESCRIPTION	Sample Location	Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	RQD (%)	Moisture Content (%)	Dry Unit Weight (pcf)	Shear Strength (ksf)	Drilling Method	Casing Depth	Remarks
1			SILTY SAND (SM), brown, moist, Fine												
2						7									
3					20-0425	9									SA, Density, & Moisture (12.1)
4						11									
5			-Light Brown		20-0426	4									SA (12.2)
6						8									
7						7									
8															
9			-Hard Pan												
10					20-0427	32									SA, Density, & Moisture (12.3)
11						50/3.5"									
12			-Light grey/Brown												



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REPORT TITLE <b>BORING RECORD (12 OF 16)</b>			
DIST.	COUNTY <b>FRESNO</b>	ROUTE	POSTMILE
PROJECT <b>FRESNO COUNTY ANIMAL CONTROL &amp; ADOPTION CENTER</b>			
PROJECT NUMBER <b>TR0310</b>	PREPARED BY <b>RAJDEEP SINGH</b>	DATE <b>5/14/2020</b>	SHEET <b>23 OF 34</b>

LOGGED BY <b>RAJDEEP SINGH</b>	BEGIN DATE <b>5/19/2020</b>	COMPLETION DATE <b>5/19/2020</b>	BOREHOLE LOCATION (Lat/Long or North/East and Datum)	HOLE ID <b>B-12</b>
DRILLING CONTRACTOR <b>Materials Laboratory</b>	BOREHOLE LOCATION <b>264' North 85' East from the Southwest corner of the property</b>		SURFACE ELEVATION	
DRILLING METHOD <b>Rotary Auger</b>	DRILLING TRUCK <b>CME 45B - Ford F 550</b>		BOREHOLE DIAMETER <b>7.25 in.</b>	
SAMPLER TYPE(S) AND SIZE(S) <b>Bulk - CAL (3") - SPT (2")</b>	SPT HAMMER TYPE <b>Auto Drop Hammer</b>		HAMMER EFFICIENCY <b>140 lbs</b>	
BOREHOLE BACKFILL AND COMPLETION <b>NATIVE SOIL</b>	GROUNDWATER <b>N/A</b>	DURING DRILLING <b>N/A</b>	AFTER DRILLING (DATE) <b>N/A</b>	TOTAL DEPTH OF BORING <b>16.5 ft</b>

ELEVATION (ft)	DEPTH (ft)	Material Graphics	DESCRIPTION	Sample Location	Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	RQD (%)	Moisture Content (%)	Dry Unit Weight (pcf)	Shear Strength (tsf)	Drilling Method	Casing Depth	Remarks
13															
14															
15			SILTY SAND (SM)			8									SA (12.4)
16					20-0428	8	12								
17			Bottom of borehole at 16.5 ft. Boring terminated at planned depth.												
18			This boring record was prepared in accordance with the Caltrans Soil & Rock Logging, Classification, and Presentation Manual (2010) with the October 2015 Errata.												
19															
20															
21															
22															
23															
24															



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REPORT TITLE <b>BORING RECORD (12 OF 16)</b>			
DIST.	COUNTY <b>FRESNO</b>	ROUTE	POSTMILE
PROJECT <b>FRESNO COUNTY ANIMAL CONTROL &amp; ADOPTION CENTER</b>			
PROJECT NUMBER <b>708510</b>	PREPARED BY <b>RAJDEEP SINGH</b>	DATE <b>5/19/2020</b>	SHEET <b>24 OF 34</b>



LOGGED BY <b>RAJDEEP SINGH</b>	BEGIN DATE <b>5/13/2020</b>	COMPLETION DATE <b>5/13/2020</b>	BOREHOLE LOCATION (Lat/Long or North/East and Datum)	HOLE ID <b>B-13</b>
DRILLING CONTRACTOR <b>Materials Laboratory</b>			BOREHOLE LOCATION <b>334' North 66' East from the Southwest corner of the property</b>	SURFACE ELEVATION
DRILLING METHOD <b>Rotary Auger</b>			DRILLING TRUCK <b>CME 45B - Ford F 550</b>	BOREHOLE DIAMETER <b>7.25 in.</b>
SAMPLER TYPE(S) AND SIZE(S) <b>Bulk - CAL (3") - SPT (2")</b>			SPT HAMMER TYPE <b>Auto Drop Hammer</b>	HAMMER EFFICIENCY <b>140 lbs</b>
BOREHOLE BACKFILL AND COMPLETION <b>NATIVE SOIL</b>			GROUNDWATER DURING DRILLING AFTER DRILLING (DATE) <b>N/A N/A N/A</b>	TOTAL DEPTH OF BORING <b>16.5 ft</b>

ELEVATION (ft)	DEPTH (ft)	Material Graphics	DESCRIPTION	Sample Location	Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	RQD (%)	Moisture Content (%)	Dry Unit Weight (pcf)	Shear Strength (tsf)	Drilling Method	Casing Depth	Remarks	
1			SILTY SAND (SM), moist, Fine		20-0379										Bulk (13.1)	
2			-Some Gravel/Brick Pieces (Crushed Gravel)													
3						20-0380	8									SA, Density, & Moisture (13.2)
4							14									
5				SILTY SAND (SM), Light brown, moist, Medium-Fine		20-0381	5									SA (13.3)
6							10									
7							10									
8				-hard pan		20-0382	50/4									Hold (13.4)
9																
10				-light Gray, sandy silt												
11																
12																



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REPORT TITLE <b>BORING RECORD (13 OF 16)</b>			
DIST.	COUNTY <b>FRESNO</b>	ROUTE	POSTMILE
PROJECT <b>FRESNO COUNTY ANIMAL CONTROL &amp; ADOPTION CENTER</b>			
PROJECT NUMBER <b>T08319</b>	PREPARED BY <b>RAJDEEP SINGH</b>	DATE <b>5/14/2020</b>	SHEET <b>25 OF 34</b>

LOGGED BY <b>RAJDEEP SINGH</b>	BEGIN DATE <b>5/13/2020</b>	COMPLETION DATE <b>5/13/2020</b>	BOREHOLE LOCATION (Lat/Long or North/East and Datum)	HOLE ID <b>B-13</b>
DRILLING CONTRACTOR <b>Materials Laboratory</b>			BOREHOLE LOCATION <b>334' North 66' East from the Southwest corner of the property</b>	SURFACE ELEVATION
DRILLING METHOD <b>Rotary Auger</b>			DRILLING TRUCK <b>CME 45B - Ford F 550</b>	BOREHOLE DIAMETER <b>7.25 in.</b>
SAMPLER TYPE(S) AND SIZE(S) <b>Bulk - CAL (3") - SPT (2")</b>			SPT HAMMER TYPE <b>Auto Drop Hammer</b>	HAMMER EFFICIENCY <b>140 lbs</b>
BOREHOLE BACKFILL AND COMPLETION <b>NATIVE SOIL</b>			GROUNDWATER DURING DRILLING AFTER DRILLING (DATE) <b>N/A N/A N/A<sup>g</sup></b>	TOTAL DEPTH OF BORING <b>16.5 ft</b>

ELEVATION (ft)	DEPTH (ft)	Material Graphics	DESCRIPTION	Sample Location	Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	RDD (%)	Moisture Content (%)	Dry Unit Weight (pcf)	Shear Strength (tsf)	Drilling Method	Casing Depth	Remarks
13		[Material Graphic: Dotted pattern]	-Rustic SANDY SILT (ML), light Gray/Brown	[Material Graphic: Hourglass symbol]	20-0383	9							[Material Graphic: Wavy line symbol]		SA, Density, & Moisture (13.5) PI?
14						17									
15							21								
16			SANDY SILT (ML), light gray - rustic veins	[Material Graphic: Hourglass symbol]	20-0384	11							[Material Graphic: Wavy line symbol]		SA (13.6)
17						19									
18						21									
17			Bottom of borehole at 16.5 ft. Boring terminated at planned depth.												
18			This boring record was prepared in accordance with the Caltrans Soil & Rock Logging, Classification, and Presentation Manual (2010) with the October 2015 Errata.												
19															
20															
21															
22															
23															
24															



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REPORT TITLE <b>BORING RECORD (13 OF 16)</b>			
DIST.	COUNTY <b>FRESNO</b>	ROUTE	POSTMILE
PROJECT <b>FRESNO COUNTY ANIMAL CONTROL &amp; ADOPTION CENTER</b>			
PROJECT NUMBER <b>TR0310</b>	PREPARED BY <b>RAJDEEP SINGH</b>	DATE <b>5/14/2020</b>	SHEET <b>28 OF 34</b>

LOGGED BY <b>RAJDEEP SINGH</b>	BEGIN DATE <b>5/14/2020</b>	COMPLETION DATE <b>5/14/2020</b>	BOREHOLE LOCATION (Lat/Long or North/East and Datum)	HOLE ID <b>B-14</b>
DRILLING CONTRACTOR <b>Materials Laboratory</b>			BOREHOLE LOCATION <b>361' North 102' East from the Southwest corner of the property</b>	SURFACE ELEVATION
DRILLING METHOD <b>Rotary Auger</b>			DRILLING TRUCK <b>CME 45B - Ford F 550</b>	BOREHOLE DIAMETER <b>7.25 in.</b>
SAMPLER TYPE(S) AND SIZE(S) <b>Bulk - CAL (3") - SPT (2")</b>			SPT HAMMER TYPE <b>Auto Drop Hammer</b>	HAMMER EFFICIENCY <b>140 lbs</b>
BOREHOLE BACKFILL AND COMPLETION <b>NATIVE SOIL</b>			GROUNDWATER <b>N/A</b>	DURING DRILLING <b>N/A</b>
			AFTER DRILLING (DATE) <b>N/A</b>	TOTAL DEPTH OF BORING <b>16.5 ft</b>

ELEVATION (ft)	DEPTH (ft)	Material Graphics	DESCRIPTION	Sample Location	Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	RQD (%)	Moisture Content (%)	Dry Unit Weight (pcf)	Shear Strength (tsf)	Drilling Method	Casing Depth	Remarks
1															
2			SILTY SAND (SM), moist, Fine, Brown -Medium fine		20-0385	7									SA, Density, Moisture, & Direct Shear (14.1)
3						8									
4						9									
5			Light brown -hard pan		20-0386	5									SA, Density, & Moisture (14.2)
6						8									
7						10									
8															
9															
10			-little softer than above Small Gravel size, chunks of hard pan in cuttings		20-0387	20									SA & PI? (14.3)
11			-Hammer calibrated by Justin SANDY SILT (ML), light Gray			53									
12						64									



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REPORT TITLE <b>BORING RECORD (13 OF 16)</b>			
DIST.	COUNTY <b>FRESNO</b>	ROUTE	POSTMILE
PROJECT <b>FRESNO COUNTY ANIMAL CONTROL &amp; ADOPTION CENTER</b>			
PROJECT NUMBER <b>T00310</b>	PREPARED BY <b>RAJDEEP SINGH</b>	DATE <b>5/14/2020</b>	SHEET <b>27 OF 34</b>

LOGGED BY <b>RAJDEEP SINGH</b>	BEGIN DATE <b>5/14/2020</b>	COMPLETION DATE <b>5/14/2020</b>	BOREHOLE LOCATION (Lat/Long or North/East and Datum)	HOLE ID <b>B-14</b>
DRILLING CONTRACTOR <b>Materials Laboratory</b>			BOREHOLE LOCATION <b>361' North 102' East from the Southwest corner of the property</b>	SURFACE ELEVATION
DRILLING METHOD <b>Rotary Auger</b>			DRILLING TRUCK <b>CME 45B - Ford F 550</b>	BOREHOLE DIAMETER <b>7.25 in.</b>
SAMPLER TYPE(S) AND SIZE(S) <b>Bulk - CAL (3") - SPT (2")</b>			SPT HAMMER TYPE <b>Auto Drop Hammer</b>	HAMMER EFFICIENCY <b>140 lbs</b>
BOREHOLE BACKFILL AND COMPLETION <b>NATIVE SOIL</b>			GROUNDWATER <b>N/A</b>	DURING DRILLING <b>N/A</b>
			AFTER DRILLING (DATE) <b>N/A<sub>1</sub></b>	TOTAL DEPTH OF BORING <b>16.5 ft</b>

ELEVATION (ft)	DEPTH (ft)	Material Graphics	DESCRIPTION	Sample Location	Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	RQD (%)	Moisture Content (%)	Dry Unit Weight (pcf)	Shear Strength (tsf)	Drilling Method	Casing Depth	Remarks
13															
14															
15			SANDY SILT (ML), light gray		20-0388	7									SA, Density, Moisture, & PI (14.4)
16						19									
17			Bottom of borehole at 16.5 ft. Boring terminated at planned depth.			21									
18			This boring record was prepared in accordance with the Caltrans Soil & Rock Logging, Classification, and Presentation Manual (2010) with the October 2015 Errata.												
19															
20															
21															
22															
23															
24															



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REPORT TITLE <b>BORING RECORD (14 OF 16)</b>			
DIST.	COUNTY <b>FRESNO</b>	ROUTE	POSTMILE
PROJECT <b>FRESNO COUNTY ANIMAL CONTROL &amp; ADOPTION CENTER</b>			
PROJECT NUMBER <b>788310</b>	PREPARED BY <b>RAJDEEP SINGH</b>	DATE <b>5/14/2020</b>	SHEET <b>20 OF 34</b>

LOGGED BY <b>RAJDEEP SINGH</b>	BEGIN DATE <b>5/14/2020</b>	COMPLETION DATE <b>5/14/2020</b>	BOREHOLE LOCATION (Lat/Long or North/East and Datum)	HOLE ID <b>B-15</b>
DRILLING CONTRACTOR <b>Materials Laboratory</b>			BOREHOLE LOCATION <b>334' North 139' East from the Southwest corner of the property</b>	SURFACE ELEVATION
DRILLING METHOD <b>Rotary Auger</b>			DRILLING TRUCK <b>CME 45B - Ford F 550</b>	BOREHOLE DIAMETER <b>7.25 in.</b>
SAMPLER TYPE(S) AND SIZE(S) <b>Bulk - CAL (3") - SPT (2")</b>			SPT HAMMER TYPE <b>Auto Drop Hammer</b>	HAMMER EFFICIENCY <b>140 lbs</b>
BOREHOLE BACKFILL AND COMPLETION <b>NATIVE SOIL</b>			GROUNDWATER <b>N/A</b>	DURING DRILLING <b>N/A</b>
			AFTER DRILLING (DATE) <b>N/A</b>	TOTAL DEPTH OF BORING <b>26.5 ft</b>

ELEVATION (ft)	DEPTH (ft)	Material Graphics	DESCRIPTION	Sample Location	Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	RDD (%)	Moisture Content (%)	Dry Unit Weight (pcf)	Shear Strength (tsf)	Drilling Method	Casing Depth	Remarks
1															
2			SILTY SAND (SM), brown, Fine			12									SA, Density, & Moisture (15.1)
3			-Few pieces of gravel crushed		20-0393	23									
4						14									
5			-Medium to fine			4									SA (15.2)
6			-Light		20-0394	5									
7			-Hard Pan			6									
8			SILTY SAND (SM), brown mix												SA, Density, & Moisture (15.3)
9			-Light Brown												
10			-gray												
11			-Light Brown												
12			-Light gray(brown)												
			SANDY SILT (ML)		20-0395	45									
						50/2"									



**County of Fresno**  
 Department of Public Works and Planning  
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 Materials Laboratory  
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REPORT TITLE <b>BORING RECORD (15 OF 16)</b>			
DIST.	COUNTY <b>FRESNO</b>	ROUTE	POSTMILE
PROJECT <b>FRESNO COUNTY ANIMAL CONTROL &amp; ADOPTION CENTER</b>			
PROJECT NUMBER <b>100510</b>	PREPARED BY <b>RAJDEEP SINGH</b>	DATE <b>5/14/2020</b>	SHEET <b>20 OF 34</b>

LOGGED BY <b>RAJDEEP SINGH</b>	BEGIN DATE <b>5/14/2020</b>	COMPLETION DATE <b>5/14/2020</b>	BOREHOLE LOCATION (Lat/Long or North/East and Datum)	HOLE ID <b>B-15</b>
DRILLING CONTRACTOR <b>Materials Laboratory</b>	BOREHOLE LOCATION <b>334' North 139' East from the Southwest corner of the property</b>			SURFACE ELEVATION
DRILLING METHOD <b>Rotary Auger</b>	DRILLING TRUCK <b>CME 45B - Ford F 550</b>			BOREHOLE DIAMETER <b>7.25 in.</b>
SAMPLER TYPE(S) AND SIZE(S) <b>Bulk - CAL (3") - SPT (2")</b>	SPT HAMMER TYPE <b>Auto Drop Hammer</b>			HAMMER EFFICIENCY <b>140 lbs</b>
BOREHOLE BACKFILL AND COMPLETION <b>NATIVE SOIL</b>	GROUNDWATER <b>N/A</b>	DURING DRILLING <b>N/A</b>	AFTER DRILLING (DATE) <b>N/A</b>	TOTAL DEPTH OF BORING <b>26.5 ft</b>

ELEVATION (ft)	DEPTH (ft)	Material Graphics	DESCRIPTION	Sample Location	Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	RQD (%)	Moisture Content (%)	Dry Unit Weight (pcf)	Shear Strength (tsf)	Drilling Method	Casing Depth	Remarks
13															
14															
15			- Gray rustic veins		20-0396	8									SA & PI (15.4)
16						22									
17						30									
18															
19															
20			SILTY SAND (SM), fine - Gray Rustic Veins		20-0397	4									SA, Density, & Moisture (15.5)
21						7									
22						20									
23															
24															



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REPORT TITLE <b>BORING RECORD (15 OF 16)</b>			
DIST.	COUNTY <b>FRESNO</b>	ROUTE	POSTMILE
PROJECT <b>FRESNO COUNTY ANIMAL CONTROL &amp; ADOPTION CENTER</b>			
PROJECT NUMBER <b>T00310</b>	PREPARED BY <b>RAJDEEP SINGH</b>	DATE <b>05/14/2020</b>	SHEET <b>30 OF 34</b>

LOGGED BY <b>RAJDEEP SINGH</b>	BEGIN DATE <b>5/14/2020</b>	COMPLETION DATE <b>5/14/2020</b>	BOREHOLE LOCATION (Lat/Long or North/East and Datum)	HOLE ID <b>B-15</b>
DRILLING CONTRACTOR <b>Materials Laboratory</b>			BOREHOLE LOCATION <b>334' North 139' East from the Southwest corner of the property</b>	SURFACE ELEVATION
DRILLING METHOD <b>Rotary Auger</b>			DRILLING TRUCK <b>CME 45B - Ford F 550</b>	BOREHOLE DIAMETER <b>7.25 in.</b>
SAMPLER TYPE(S) AND SIZE(S) <b>Bulk - CAL (3") - SPT (2")</b>			SPT HAMMER TYPE <b>Auto Drop Hammer</b>	HAMMER EFFICIENCY <b>140 lbs</b>
BOREHOLE BACKFILL AND COMPLETION <b>NATIVE SOIL</b>			GROUNDWATER <b>N/A</b>	DURING DRILLING <b>N/A</b>
			AFTER DRILLING (DATE) <b>N/A</b>	TOTAL DEPTH OF BORING <b>26.5 ft</b>

ELEVATION (ft)	DEPTH (ft)	Material Graphics	DESCRIPTION	Sample Location	Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	RQD (%)	Moisture Content (%)	Dry Unit Weight (pcf)	Shear Strength (tsf)	Drilling Method	Casing Depth	Remarks
25			SILTY SAND (SM), gray-brown, medium			4									
					20-0398	6									
26						6									SA (15.6)
27			Bottom of borehole at 26.5 ft. Boring terminated at planned depth.												
28			This boring record was prepared in accordance with the Caltrans Soil & Rock Logging, Classification, and Presentation Manual (2010) with the October 2015 Errata.												
29															
30															
31															
32															
33															
34															
35															
36															
37															



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REPORT TITLE <b>BORING RECORD (15 OF 16)</b>			
DIST.	COUNTY <b>FRESNO</b>	ROUTE	POSTMILE
PROJECT <b>FRESNO COUNTY ANIMAL CONTROL &amp; ADOPTION CENTER</b>			
PROJECT NUMBER <b>T00310</b>	PREPARED BY <b>RAJDEEP SINGH</b>	DATE <b>5/14/2020</b>	SHEET <b>31 OF 34</b>

LOGGED BY <b>RAJDEEP SINGH</b>	BEGIN DATE <b>5/19/2020</b>	COMPLETION DATE <b>5/19/2020</b>	BOREHOLE LOCATION (Lat/Long or North/East and Datum)	HOLE ID <b>B-16</b>
DRILLING CONTRACTOR <b>Materials Laboratory</b>			BOREHOLE LOCATION <b>358' North 161' East from the Southwest corner of the property</b>	SURFACE ELEVATION
DRILLING METHOD <b>Rotary Auger</b>			DRILLING TRUCK <b>CME 45B - Ford F 550</b>	BOREHOLE DIAMETER <b>7.25 in.</b>
SAMPLER TYPE(S) AND SIZE(S) <b>Bulk - CAL (3") - SPT (2")</b>			SPT HAMMER TYPE <b>Auto Drop Hammer</b>	HAMMER EFFICIENCY <b>140 lbs</b>
BOREHOLE BACKFILL AND COMPLETION <b>NATIVE SOIL</b>			GROUNDWATER DURING DRILLING AFTER DRILLING (DATE) <b>N/A N/A N/A</b>	TOTAL DEPTH OF BORING <b>16.5 ft</b>

ELEVATION (ft)	DEPTH (ft)	Material Graphics	DESCRIPTION	Sample Location	Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	RQD (%)	Moisture Content (%)	Dry Unit Weight (pcf)	Shear Strength (tsf)	Drilling Method	Casing Depth	Remarks
1			SILTY SAND (SM), moist, Fine, Brown -Some Coarse sand		20-0420	6									SA, Density, & Moisture (16.1)
2				12											
3				11											
4			Light brown		20-0421	5									SA, Density, & Moisture (16.2)
5				8											
6				14											
7			Light Gray/Brown		20-0422	50									SA (16.3)
8				50/2"											
9															
10															
11															
12															



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REPORT TITLE <b>BORING RECORD (16 OF 16)</b>			
DIST.	COUNTY <b>FRESNO</b>	ROUTE	POSTMILE
PROJECT <b>FRESNO COUNTY ANIMAL CONTROL &amp; ADOPTION CENTER</b>			
PROJECT NUMBER <b>T00319</b>	PREPARED BY <b>RAJDEEP SINGH</b>	DATE <b>5/14/2020</b>	SHEET <b>32 OF 34</b>



LOGGED BY <b>RAJDEEP SINGH</b>	BEGIN DATE <b>5/19/2020</b>	COMPLETION DATE <b>5/19/2020</b>	BOREHOLE LOCATION (Lat/Long or North/East and Datum)			HOLE ID <b>B-16</b>
DRILLING CONTRACTOR <b>Materials Laboratory</b>			BOREHOLE LOCATION <b>358' North 161' East from the Southwest corner of the property</b>			SURFACE ELEVATION
DRILLING METHOD <b>Rotary Auger</b>			DRILLING TRUCK <b>CME 45B - Ford F 550</b>			BOREHOLE DIAMETER <b>7.25 in.</b>
SAMPLER TYPE(S) AND SIZE(S) <b>Bulk - CAL (3") - SPT (2")</b>			SPT HAMMER TYPE <b>Auto Drop Hammer</b>			HAMMER EFFICIENCY <b>140 lbs</b>
BOREHOLE BACKFILL AND COMPLETION <b>NATIVE SOIL</b>			GROUNDWATER <b>N/A</b>	DURING DRILLING <b>N/A</b>	AFTER DRILLING (DATE) <b>N/A</b>	TOTAL DEPTH OF BORING <b>16.5 ft</b>

ELEVATION (ft)	DEPTH (ft)	Material Graphics	DESCRIPTION	Sample Location	Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	ROD (%)	Moisture Content (%)	Dry Unit Weight (pcf)	Shear Strength (tsf)	Drilling Method	Casing Depth	Remarks
13															
14															
15			SANDY SILT (ML), light gray, Rustic Veins		20-0429	13									SA, Density, & Moisture (16.4)
16						22									
17			Bottom of borehole at 16.5 ft. Boring terminated at planned depth.			27									
18			This boring record was prepared in accordance with the Caltrans Soil & Rock Logging, Classification, and Presentation Manual (2010) with the October 2015 Errata.												
19															
20															
21															
22															
23															
24															



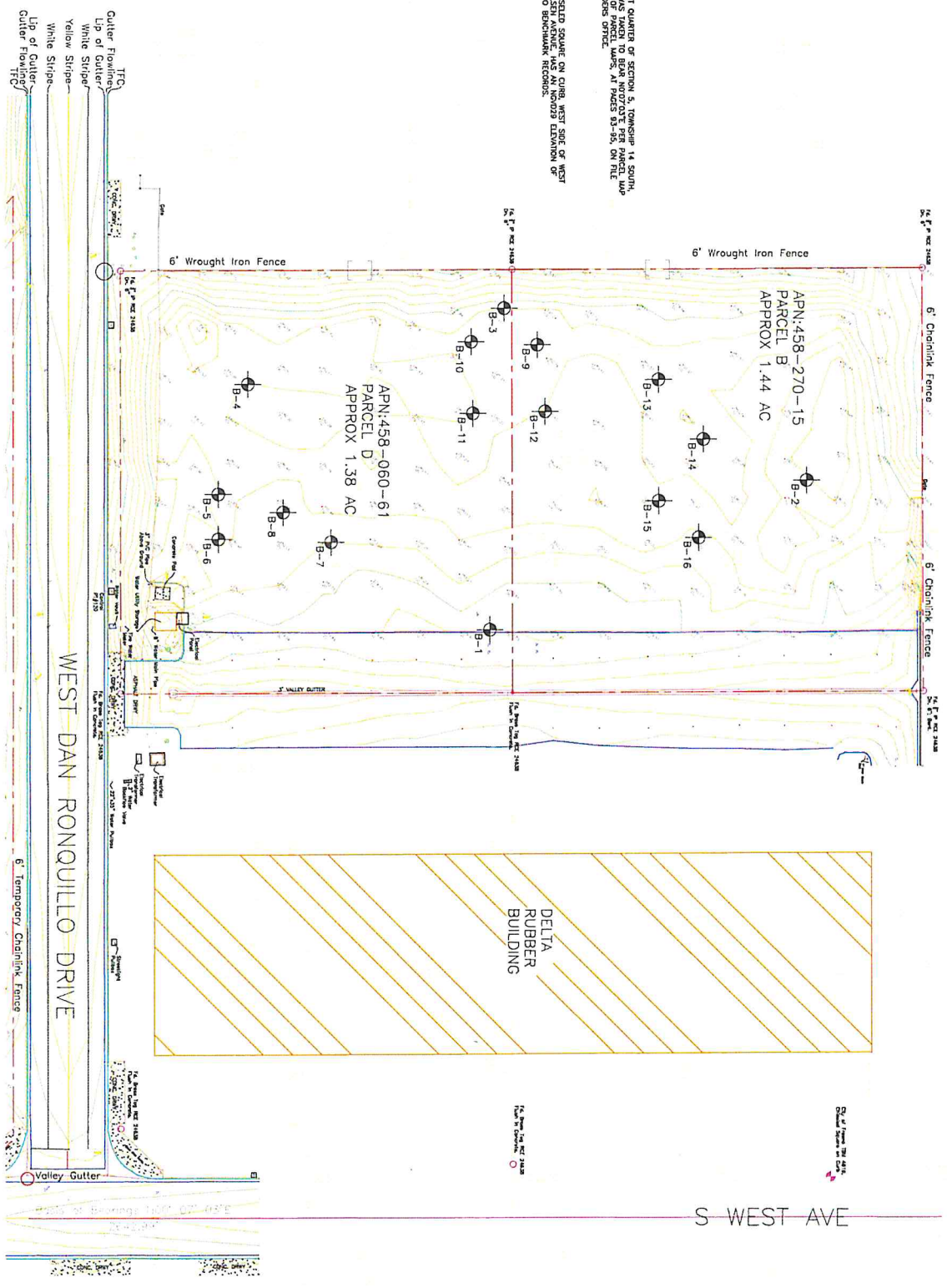
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REPORT TITLE <b>BORING RECORD (16 OF 16)</b>			
DIST.	COUNTY <b>FRESNO</b>	ROUTE	POSTMILE
PROJECT <b>FRESNO COUNTY ANIMAL CONTROL &amp; ADOPTION CENTER</b>			
PROJECT NUMBER <b>T08310</b>	PREPARED BY <b>RAJDEEP SINGH</b>	DATE <b>5/14/2020</b>	SHEET <b>33 OF 34</b>



BASE OF BRIDGE IS THE SOUTHWEST QUARTER OF SECTION 5, TOWNSHIP 14 SOUTH, RANGE 20 EAST, N. D. B. & M. WAS PAID TO BEAR MOTOGYET PER PARCEL MAP NO. 2005-15, FILED IN BOOK 65 OF PARCEL MAPS, AT PAGES 93-95, ON FILE WITH THE FRESNO COUNTY RECORDS OFFICE.

BASE VERTICAL CONTROL CITY OF FRESNO TO BE A RECORDED SQUARE ON CORNER WEST SIDE OF WEST VALLEY AVENUE TO BE RECORDED IN BOOK 65 OF PARCEL MAPS AT PAGE 93-95, ON FILE WITH THE FRESNO COUNTY RECORDS OFFICE.



DATE	2/18	SCALE	1" = 40'	PROJECT	FRESNO COUNTY ANIMAL CONTROL & ADOPTION CENTER	DEPARTMENT OF PUBLIC WORKS & PLANNING
DESIGNED BY	LV	DATE	8/18	PROJECT	FRESNO COUNTY ANIMAL CONTROL & ADOPTION CENTER	DEPARTMENT OF PUBLIC WORKS & PLANNING
CHECKED BY		SCALE	1" = 40'	PROJECT	FRESNO COUNTY ANIMAL CONTROL & ADOPTION CENTER	DEPARTMENT OF PUBLIC WORKS & PLANNING
APPROVED BY		SCALE	1" = 40'	PROJECT	FRESNO COUNTY ANIMAL CONTROL & ADOPTION CENTER	DEPARTMENT OF PUBLIC WORKS & PLANNING



PLAN VIEW  
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