

September 4, 2024

Project No. **19633.000.002**

Mr. Steve Arthur Ridgeline Property Group 915 Highland Pointe Drive, Suite 250 Roseville, CA 95678

Subject: Pacific Gateway Tracy, California

INFILTRATION RATE TEST RESULTS

Dear Mr. Arthur:

As requested, we performed percolation rate testing at the subject property in Tracy, California. The purpose of our services was to provide information pertinent to the design of the proposed project basins. Our scope of services included field exploration, percolation rate testing, converting percolation rates into infiltration rates, and reporting.

PERCOLATION TESTING

Test Preparation

At each of the six proposed basin locations shown in the attached figures, we retained the services of a subcontractor to drill one boring to a depth of 8 to 20 feet. We reviewed subsurface conditions at each location and selected the most appropriate elevations for percolation testing. We performed our percolation tests at the approximate depth below the existing surface, as shown in Table 1 below. An ENGEO representative conducted one to two percolation tests at various elevations within each of the six basin locations.

Ten percolation test holes were installed and presoaked on August 14 through August 16, 2024. The locations of our explorations are approximate and were estimated by utilizing smartphones with GPS; they should be considered accurate only to the degree implied by the method used. The logs of the soil encountered at the percolation test holes and the boring location are attached.

Nine percolation test holes, 2-P01 through 2-P09, were installed using a 4½-inch-diameter solid-flight auger to drill down to the desired test depth. One percolation test hole, 2-P10 was installed by using a 3½-inch-diameter hand-augur to drill down to the desired test depth. Preparation of the percolation test holes began by placing approximately 2 inches of approximately 1-inch-diameter drain rock in the bottom of each hole. A 3-inch-diameter perforated PVC pipe was then placed in the test holes and surrounded by drain rock extending up to the ground surface. The holes were presoaked prior to performing the percolation tests.

Percolation Testing

ENGEO performed percolation testing from August 19 through August 22, 2024. Municipal drinking water was used for the percolation testing. It is our opinion that the percolation rate of drinking water should be similar to stormwater. At the start of each test, the hole was refilled with water to approximately 12 inches above the drain rock placed at the bottom of the hole. The water level was then measured at appropriate intervals until the percolation rate stabilized. At the end

of each interval, additional water was added, as needed, to reset the water level to approximately 12 inches above the drain rock.

Percolation Testing Results

Based on our measured field test results, we converted the uncorrected field percolation rates to infiltration (vertical flow) rates using Porchet's Method (Inverse Borehole Method), as summarized in the table below. Infiltration in the lateral and vertical direction is inherent in the rates provided below.

TEST LOCATION	BASIN IDENTIFICATION	DEPTH (Below the existing ground surface, ft)	SOIL TYPE	ESTIMATED INFILTRATION RATE* (inches/hour)
2-P01	Basin 9	12½	Sandy Lean Clay	0.3
2-P02	Basin 8	8	Silty Gravel with Sand	7.2
2-P03	Basin 7	12	Silty Sand	4.0
2-P04	Basin 6	12½	Sandy Lean Clay	0.1
2-P05	Basin 6	11¼	Sandy Lean Clay	0.6
2-P06	Basin 5	12½	Silty Sand	0.3
2-P07	Basin 5	81⁄2	Clayey Gravel with Sand	8.8
2-P08	Basin 7	71⁄2	Silty Sand	1.5
2-P09	Basin 8	12	Silty Sand with Gravel	1.4
2-P10	Basin 10	8	Sandy Lean Clay	0.5

TABLE 1: Infiltration Rates

*Converted using Porchet's Method

The infiltration rates reported above are based on the conditions at the location, depth, and time of the test. Actual infiltration rates can be affected by changes in the subsurface conditions, test methodology, time of year, and the rate and depth at which water is applied. Appropriate engineering judgement should be applied to the use of these test data for stormwater infiltration.

No factors of safety have been applied to these rates. The design engineer should consider appropriate conversion factors or factors of safety for the design of the retention basins. Maintenance should be performed routinely to prevent fine accumulation and or growth of organics.

We strive to perform our professional services in accordance with generally accepted principles and practices currently employed in the area, there is no warranty, express or implied. If you have any questions regarding the contents of this letter, please do not hesitate to contact us.

Sincerely,

ENGEO Incorporated

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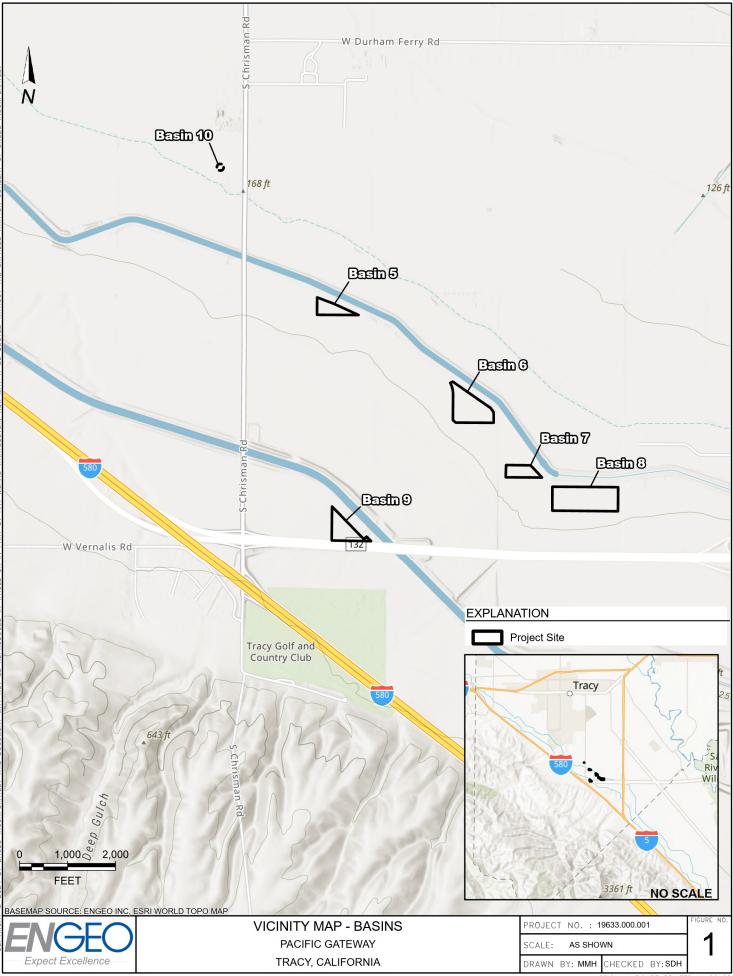
Viridiana Navarro vn/sdh/ca Attachments: Figures Boring Logs





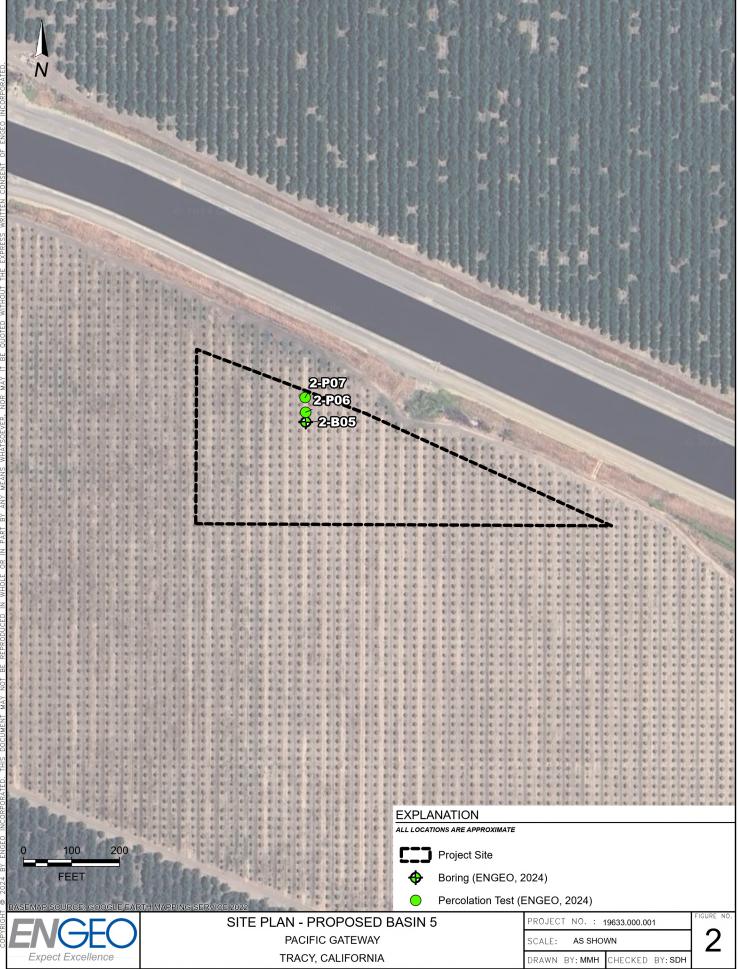
FIGURES

Figure 1 – Vicinity Map - Basins Figure 2 – Site Plan - Proposed Basin 5 Figure 3 – Site Plan - Proposed Basin 6 Figure 4 – Site Plan - Proposed Basin 7 Figure 5 – Site Plan - Proposed Basin 8 Figure 6 – Site Plan - Proposed Basin 9 Figure 7 – Site Plan - Proposed Basin 10

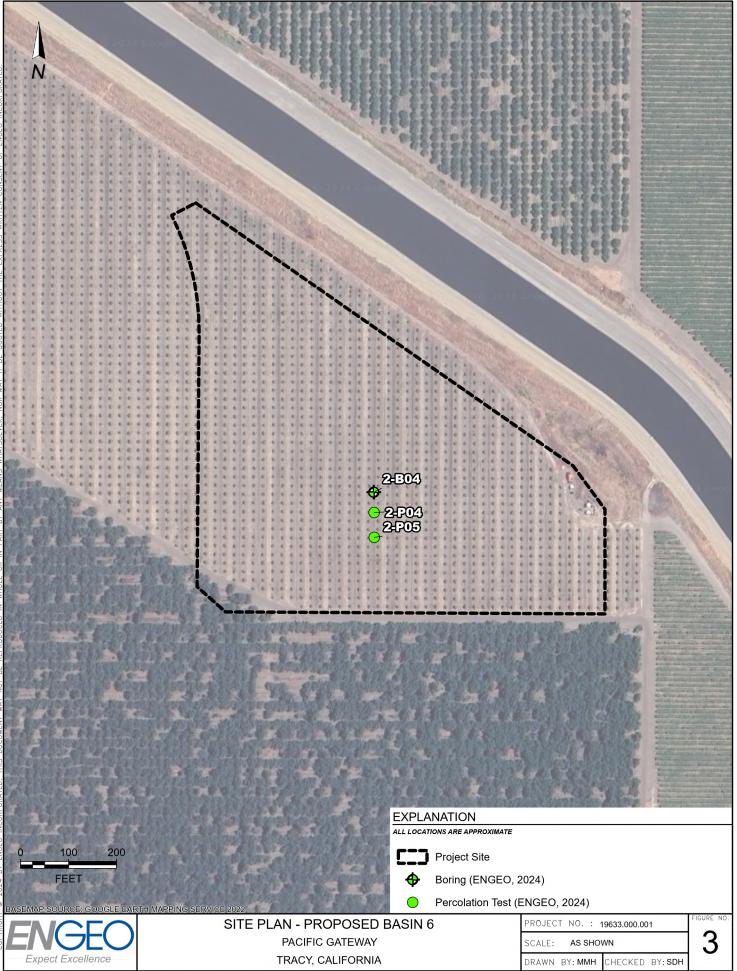


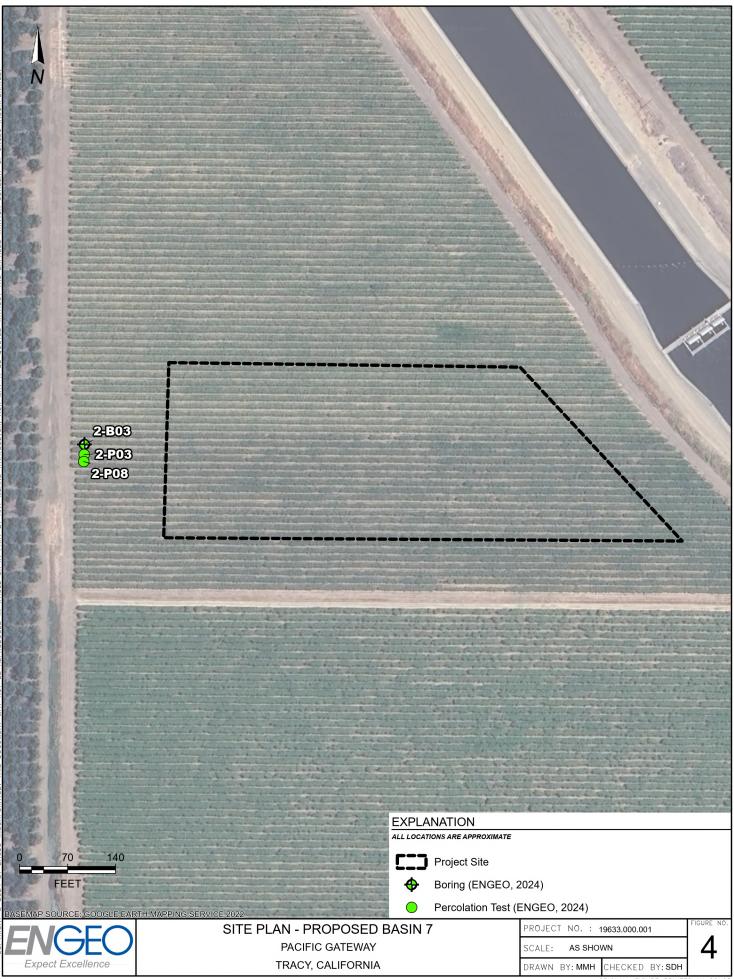
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ORIGINAL FIGURE PRINTED IN COLOR



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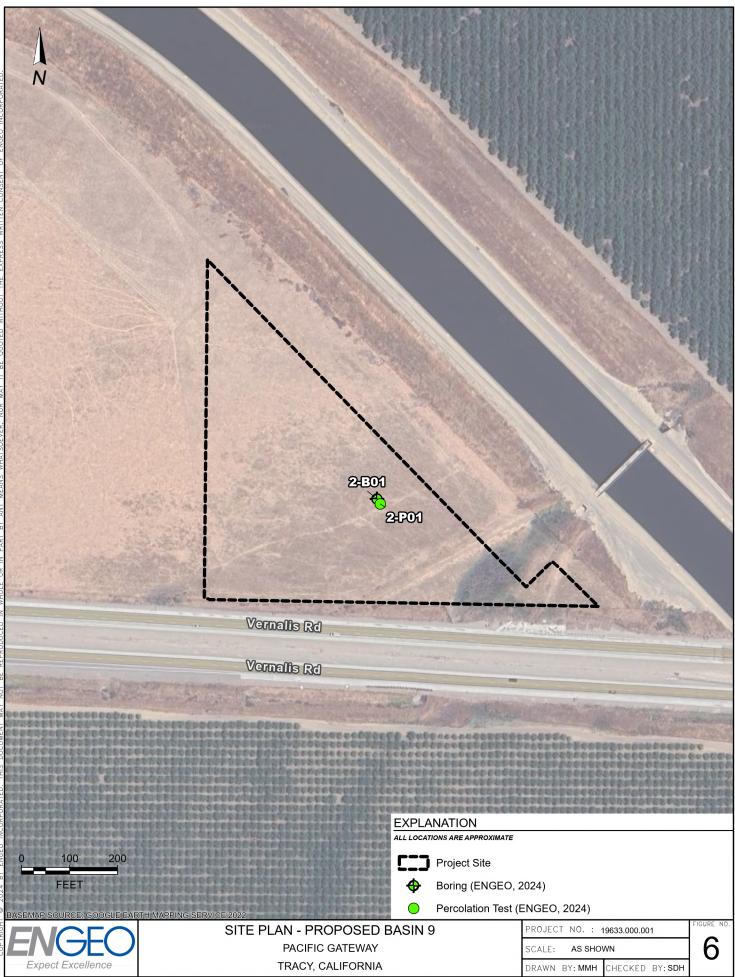




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BORING LOGS

19633.000.002 September 4, 2024

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	8	-		t Excellence	LATITUDE: 37	TUDE: 37.639195 LONGITUDE: -121.390024												
	G	Pa Tr	acifi acy	ical Exploration ic Gateway , California 3.000.002	DATE DRILLED: 8/ HOLE DEPTH: A HOLE DIAMETER: 4 SURF ELEV (WGS84): A	oprox ∕₂ in.	k. 20		LOGGED / REVIEWED BY: V. Navarro / ZAC DRILLING CONTRACTOR: West Coast Exploration DRILLING METHOD: Solid Flight Auger HAMMER TYPE: N/A									
	Depth in Feet	Elevation in Feet	Sample Type	DESC	CRIPTION		Log Symbol	Water Level	Blow Count/Foot	Liquid Limit	Plastic Limit	Plasticity Index sti	Fines Content (% passing #200 sieve)	Moisture Content (% dry weight)	Dry Unit Weight (pcf)	Shear Strength (psf) *field approximation	Unconfined Strength (tsf) *field approximation	Strength Test Type
2-B01 THROUGH 2-B06, 2-P01 THROUGH 2-P10.GPJ ENGEO INC.GDT 9/4/24		- 250 245 		medium plasticity, <15% fin <5% fine gravel, contains r	(CL), brown, moist, medium to to medium-grained sand													
LOG - GEOTECHNICAL_SU+QU W/ ELEV 19633000002_INFILTRATION TESTING_2-B01 THROUGH 2-B06, 2-P		- 240 235 	\$ <u>3</u>	30-40% fine-grained sand SANDY SILT (ML), yellowi 25-30% fine-grained sand, Grades to contain 15-20% Bottom of boring at approxi	sh brown, moist, low plasticity, sh brown, moist, low plasticity, 5-10% fine- to coarse gravel fine to coarse gravel mately 20 feet below ground ncountered at time of drilling.													

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		Exp	ect	t Excellence	LATITUDE:	37.64	7.641144 LONGITUDE: -121.374717											
	G	Pa Tra	icifi acy	ical Exploration c Gateway , California 3.000.002	DATE DRILLED: HOLE DEPTH: HOLE DIAMETER: SURF ELEV (WGS84):	Appr 4½ i	rox. 20 i n.		LOGGED / REVIEWED BY: V. Navarro / ZAC DRILLING CONTRACTOR: West Coast Exploration DRILLING METHOD: Solid Flight Auger HAMMER TYPE: N/A									
	Depth in Feet	Elevation in Feet	Sample Type	DESC	RIPTION		Log Symbol	Water Level	Blow Count/Foot	Liquid Limit	Plastic Limit	Plasticity Index sti	Fines Content (% passing #200 sieve)	Moisture Content (% dry weight)	Dry Unit Weight (pcf)	Shear Strength (psf) *field approximation	Unconfined Strength (tsf) *field approximation	Strength Test Type
LOG - GEOTECHNICAL_SU+QU W/ ELEV 19633000002_INFILTRATION TESTING_2-B01 THROUGH 2-B06, 2-P01 THROUGH 2-P10.GPJ ENGEO INC.GDT 9/4/24				medium plasticity, 15-20% coarse-grained sand, fine-	I GRAVEL (CL), yellowish ticity, 30-35% fine-grained ravel ND (GM), grayish brown, moist fines, 15-20% fine to to coarse gravel			Wa		Liq	Pla		Fin (%)	Mo (%)	Dry (pc	Sh. *fie	Unr *fie	Str

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			t Excellence		DE: 37.642684 LONGITUDE: -121.379187											
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Depth in Feet	Elevation in Feet	Sample Type	DESC	CRIPTION	Log Symbol	Water Level	Blow Count/Foot	Liquid Limit	Plastic Limit	Plasticity Index stimi	Fines Content (% passing #200 sieve)	Moisture Content (% dry weight)	Dry Unit Weight (pcf)	Shear Strength (psf) *field approximation	Unconfined Strength (tsf) *field approximation	Strength Test Type
	195 190 		<5% fine gravel	fine- to coarse-grained sand, (CL), yellowish brown, moist, 5-25% fine- to coarse-grained										5.*	*	
	- 185 		SANDY LEAN CLAY WITH brown, moist, low to mediu coarse-grained sand, 15%	A GRAVEL (CL), yellowish m plasticity, 30-35% fine- to fine gravel												

				GEO	LOG OF BORING 2-B04													
	G	Geoteo Pa Tra	chn Icifi acy	t Excellence ical Exploration c Gateway c, California 3.000.002	DATE DRILLED: 8/ HOLE DEPTH: Ap HOLE DIAMETER: 4½	LATITUDE: 37.646107LONGITUDE: -121.381358DATE DRILLED: 8/15/2024LOGGED / REVIEWED BY: V. Navarro / 2HOLE DEPTH: Approx. 20 ft.DRILLING CONTRACTOR: West Coast EHOLE DIAMETER: 4½ in.DRILLING METHOD: Solid Flight ASURF ELEV (WGS84): Approx. 197 ft.HAMMER TYPE: N/A							/ ZAC st Explo	ZAC Exploration				
	Depth in Feet	Elevation in Feet	Sample Type	DESC	RIPTION	Log Symbol	Water Level	Blow Count/Foot	Liquid Limit	Plastic Limit	Plasticity Index sti	Fines Content (% passing #200 sieve)	Moisture Content (% dry weight)	Dry Unit Weight (pcf)	Shear Strength (psf) *field approximation	Unconfined Strength (tsf) *field approximation	Strength Test Type	
:GDT 9/4/24		- 195		fine- to coarse-grained san	n, moist, high plasticity, <15% d, <5% fine gravel (CL), yellowish brown, moist, fine- to coarse-grained sand													
2-P01 THROUGH 2-P10.GPJ ENGEO INC.GDT		190		SANDY LEAN CLAY (CL), plasticity, 30-40% fine- to c	yellowish brown, moist, low oarse-grained sand													
2-B01 THROUGH 2-B06,		185	En .	SANDY LEAN CLAY (CL), plasticity, 25-30% fine- to c fine to coarse gravel	yellowish brown, moist, low oarse-grained sand, 15-25%													
- GEOTECHNICAL_SU+QU W/ ELEV 19633000002_INFILTRATION TESTING_		180		LEAN CLAY (CL), light yell high plasticity, <15% fine-g gravel, contains silt fines	owish brown, moist, medium to rained sand, 5% fine to coarse													
LOG - GEOTECHNICAL_SU+QU V	20			Bottom of the boring at app surface. No groundwater e drilling.	roximately 20 feet below ground ncountered at the time of													

				GEO	LOG OF BORING 2-B05												
				t Excellence	LATITUDE: 37	.652084					LON	GITUD	E: -12	1.39168	36		
	G	Pa Tra	icifi acy	ical Exploration c Gateway , California 3.000.002	DATE DRILLED: 8/ HOLE DEPTH: Ap HOLE DIAMETER: 4½ SURF ELEV (WGS84): Ap	LOGGED / REVIEWED BY: V. Navarro / ZAC DRILLING CONTRACTOR: West Coast Exploration DRILLING METHOD: Solid Flight Auger HAMMER TYPE: N/A											
Γ									Atter	berg L	imits	(6)	tsf)	
	Depth in Feet	Elevation in Feet	Sample Type	DESC	CRIPTION	Log Symbol	Water Level	Blow Count/Foot	Liquid Limit	Plastic Limit	Plasticity Index	Fines Content (% passing #200 sieve)	Moisture Content (% dry weight)	Dry Unit Weight (pcf)	Shear Strength (psf) *field approximation	Unconfined Strength (tsf) *field approximation	Strength Test Type
	-			FAT CLAY WITH SAND (C plasticity, 15-25% fine- to r	CH), dark brown, moist, high nedium-grained sand												
2-B01 THROUGH 2-B06, 2-P01 THROUGH 2-P10.GPJ ENGEO INC.GDT 9/4/24	5	— 190 — — — — 185	(\$ (\$ (\$	Grades to brown	(CL), yellowish brown, moist,												
06, 2-P01 THROUGH 2	- - - - - - - - - - - - - - - - - - -	_		SANDY LEAN CLAY (CL), medium plasticity, 30-40% SILTY SAND (SM), yellowi fine- to coarse-grained san	fine-grained sand sh brown, moist, 30-40% fines,												
ING_2-B01 THROUGH 2-B		— — 180 —	1														
FILTRATION TEST	15			SANDY LEAN CLAY (CL), medium plasticity, 30-40%	yellowish brown, moist, fine-grained sand												
/ 19633000002_IN		— 175 —		Grades to contain 5% coar	se gravel												
V/ ELE/	20		M.	Grades to contain no grave	1												
LOG - GEOTECHNICAL_SU+QU W/ ELEV 19633000002_INFILTRATION TESTING_	20	-			mately 20 feet below ground ncountered at time of drilling.												
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Depth in Feet	Elevation in Feet	Sample Type	DESC	CRIPTION	Log Symbol	Water Level	Blow Count/Foot	Atter	Plastic Limit	Plasticity Index sti	Fines Content (% passing #200 sieve)	Moisture Content (% dry weight)	Dry Unit Weight (pcf)	Shear Strength (psf) *field approximation	Unconfined Strength (tsf) *field approximation	Strength Test Type
	2250		medium plasticity, <15% fin <5% fine-gravel, contains r LEAN CLAY WITH GRAVI medium plasticity, 15-20% SANDY LEAN CLAY (CL), medium plasticity, 30-40%	EL (CL), dark brown, moist, fine to coarse gravel yellowish brown, moist, fine- to medium-grained sand			30									

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PETPO SANDY LEA - - -	N CLAY (CL), yellowish brown, moist, sticity, 30-40% fine- to coarse-grained sand ontain 5-10% fine to coarse gravel VEL WITH SAND (GC), grayish brown, mois sticity, 15-25% fines, 15-25% fine- to coarse		Wa		Liqu	Pla Pla	Pla.	Fine (%)	Mo (%)		She *fiel	Unc *fiel	Stre

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	G	Pa Tra	acifi acy	ical Exploration ic Gateway v, California 3.000.002	DATE DRILLED: 8/ HOLE DEPTH: Aţ HOLE DIAMETER: 4½ SURF ELEV (WGS84): Aţ	opr₀ ∕₂ ir	ox. 12 า.			DRILL	ING C DRILL	ontr Ing M	ACTO	R: We D: Sol	Navarro est Coas id Fligh A	st Explo	oration	
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NC.GDT 9/4/24		— 195 —	2 3	<5% fine gravel	fine- to coarse-grained sand,													
LOG - GEOTECHNICAL_SU+QU W/ ELEV 19633000002_INFILTRATION TESTING_2-B01 THROUGH 2-B06, 2-P01 THROUGH 2-P10.GPJ ENGEO INC.GDT 9/4/24		190 19	883	SANDY SILT (ML), yellowi rapid dilatancy, 30-40% fin	sh brown, moist, low plasticity, e- to coarse-grained sand													
333000002_INFILTRATION TE		— — 185 —	E S	SILTY SAND (SM), brown, fine gravel, fine- to coarse-	moist, 20-25% fines, 5-10% grained sand													
LOG - GEOTECHNICAL_SU+QU W/ ELEV 196					mately 12 feet below ground ncountered at time of drilling.													

			GEO	LOG	O	=	BC	DR	RIN	IG	i 2	-P	04			
G	Geoteo Pa Tra	chni icifi acy	Excellence ical Exploration c Gateway , California 3.000.002	LATITUDE: 37 DATE DRILLED: 8/ HOLE DEPTH: Ap HOLE DIAMETER: 4½ SURF ELEV (WGS84): Ap	15/2024 pprox. 123 2 in.			DRILL	ING C DRILL	EVIEV ONTR ING M	VED B	Y: V. I R: We D: Sol	1.3813 Navarro est Coas id Fligh	/ ZAC st Explo	oration	
Depth in Feet	Elevation in Feet	Sample Type	DESC	RIPTION	Log Symbol	Water Level	Blow Count/Foot	Liquid Limit	Plastic Limit 51	Plasticity Index stim	Fines Content (% passing #200 sieve)	Moisture Content (% dry weight)	Dry Unit Weight (pcf)	Shear Strength (psf) *field approximation	Unconfined Strength (tsf) *field approximation	Strength Test Type
2.5 — - - - - - - - - - - - - - - - - - - -	195		FAT CLAY WITH SAND (C plasticity, <15% fine- to co gravel													
			plasticity, 30-40% fine- to c Bottom of boring at approxi	yellowish brown, moist, low coarse-grained sand mately 12 ¹ / ₂ feet below ground ncountered at time of drilling												

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		Exp	bec	t Excellence	LATITUDE: 3	7.64585					LONG	GITUD	E: -12	1.3813	52		
	G	Pa Tr	acif acy	ical Exploration ic Gateway ⁄, California 33.000.002	DATE DRILLED: 8 HOLE DEPTH: 4 HOLE DIAMETER: 4 SURF ELEV (WGS84): 4	Approx. 11: 1½ in.			DRILL	.ING C DRILL	ONTR	ACTO ETHO	R: We	Navarro st Coas id Fligh	st Explo	oration	
	Depth in Feet	Elevation in Feet	Sample Type	DESC	CRIPTION	Log Symbol	Water Level	Blow Count/Foot	Liquid Limit	Plastic Limit	Plasticity Index stim	Fines Content (% passing #200 sieve)	Moisture Content (% dry weight)	Dry Unit Weight (pcf)	Shear Strength (psf) *field approximation	Unconfined Strength (tsf) *field approximation	Strength Test Type
LOG - GEOTECHNICAL_SU+QU W/ ELEV 19633000002_INFILTRATION TESTING_2-B01 THROUGH 2-B06, 2-P01 THROUGH 2-P10.GP1 ENGEO INC.GDT 9/4/24		<u> </u> 195 196		plasticity, <15% fine- to coa gravel Grades to brown LEAN CLAY WITH SAND medium plasticity, 15-25% SANDY LEAN CLAY (CL), plasticity, 30-40% fine- to c			Wa		Light			Fin. (%	Mo (%)		Sh *fie	Unc *fie	Str
LOG - GEOTECHNICAL_SU+QU W/ I																	

	E			GEO	LOG	O	F	BC	DR	RIN	IG	2	-P	06)		
				Excellence	LATITUDE: 37.	65214					LON	GITUD	E: -12	1.39168	38		
	G	Pa Tra	acifi acy	ical Exploration c Gateway , California 3.000.002	DATE DRILLED: 8/ HOLE DEPTH: Ap HOLE DIAMETER: 4½ SURF ELEV (WGS84): Ap	prox. 12 2 in.			DRILL	ING C DRILL	ontr Ing M	ACTO ETHO	R: We	Navarro est Coas id Fligh A	st Explo	oration	
									Atter	berg L	imits					sf)	
	Depth in Feet	Elevation in Feet	Sample Type	DESC	CRIPTION	Log Symbol	Water Level	Blow Count/Foot	Liquid Limit	Plastic Limit	Plasticity Index	Fines Content (% passing #200 sieve)	Moisture Content (% dry weight)	Dry Unit Weight (pcf)	Shear Strength (psf) *field approximation	Unconfined Strength (tsf) *field approximation	Strength Test Type
	-			FAT CLAY WITH SAND (C plasticity, 15-25% fine- to r	CH), dark brown, moist, high nedium-grained sand												
DT 9/4/24	2.5 —		E S														
ENGEO INC.GI		— 190															
LOG - GEOTECHNICAL_SU+QU W/ ELEV 1963300002_INFILTRATION TESTING_2-B01 THROUGH 2-B06, 2-P01 THROUGH 2-P10.GPJ ENGEO INC.GDT 9/4/24	5.0	_	E S	LEAN CLAY WITH SAND medium to high plasticity, 2	(CL), yellowish brown, moist, 20-25% fine-grained sand												
2-B01 THROUGH 2-B06,	7.5 — – – –	— — — 185															
VFILTRATION TESTING	- - - 10.0 - - -	_	E.	SANDY SILT (ML), yellowi 30-40% fine-grained sand	sh brown, moist, low plasticity,												
/ 19633000002_IN		_	E S	SILTY SAND (SM), yellowi fine- to coarse-grained san	sh brown, moist, 20-30% fines, d												
AL_SU+QU W/ ELEV	12.5 —			Bottom of boring at approx surface. No groundwater e	mately 12½ feet below ground ncountered at time of drilling												
LOG - GEOTECHNIC																	

			GEO	LOG	i Ol	F	BC	DR	RIN	IG	2	-P	07	,		
(Geoteo Pa Tr	chn acif acy	<i>t Excellence</i> nical Exploration ic Gateway /, California 33.000.002	LATITUDE: 37 DATE DRILLED: 8/ HOLE DEPTH: A HOLE DIAMETER: 43 SURF ELEV (WGS84): A	15/2024 oprox. 8½ ⁄₂ in.			DRILL	ING C DRILL	EVIEV ONTR ING M	VED B	Y: V. I R: We D: Sol	1.39169 Navarro est Coas lid Fligh	/ ZAC st Explo	oration	
Depth in Feet	Elevation in Feet	Sample Type	DESC	CRIPTION	Log Symbol	Water Level	Blow Count/Foot	Liquid Limit	Plastic Limit	Plasticity Index sti	Fines Content (% passing #200 sieve)	Moisture Content (% dry weight)	Dry Unit Weight (pcf)	Shear Strength (psf) *field approximation	Unconfined Strength (tsf) *field approximation	Strength Test Type
LOG - GEOTECHNICAL_SU+QU W/ ELEV 19633000002_INFILTRATION TESTING_2-B01 THROUGH 2-B06, 2-P01 THROUGH 2-P10.GPJ ENGEO INC.GDT 9/4/24		(ま) (ま) (ま) (ま) Sar	Grades to brown CLAYEY GRAVEL WITH S moist, medium plasticity, 2 coarse-grained sand Bottom of boring at approx	CH), dark brown, moist, high medium-grained sand		Wa			Pla		Fin (%)	(%)		Shi *fie	Under the second	Str

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	C	Pa Tra	acifi acy	ical Exploration c Gateway , California 3.000.002	DATE DRILLED: 8/ HOLE DEPTH: Ap HOLE DIAMETER: 47 SURF ELEV (WGS84): Ap	prox. 7½ ∕₂ in.			DRILL	ING C DRILL	ontr Ing M	ACTO ETHO	R: We	Navarrc est Coas id Fligh	st Explo	oration	
		eet						oot	Atter	berg L		0 sieve)	tent)	ht	th (psf) nation	ength (tsf) ation	Type
	Depth in Feet	Elevation in Feet	Sample Type	DESC	CRIPTION	Log Symbol	Water Level	Blow Count/Foot	Liquid Limit	Plastic Limit	Plasticity Index	Fines Content (% passing #200 sieve)	Moisture Content (% dry weight)	Dry Unit Weight (pcf)	Shear Strength (psf) *field approximation	Unconfined Strength (tsf) *field approximation	Strength Test Type
		- 195		LEAN CLAY WITH SAND medium plasticity, 15-25% <5% fine gravel	(CL), dark brown, moist, fine- to coarse-grained sand,		_						20		05 *	*	0,
9/4/24			E.														
GPJ ENGEO INC.GDT (E.	SANDY SILT (ML), yellowi rapid dilatancy, 30-40% fin	sh brown, moist, low plasticity, e- to coarse-grained sand												
B01 THROUGH 2-B06, 2-P01 THROUGH 2-P10.GPJ ENGEO INC.GDT 9/4/24	5.0	 190	ER.	CLAYEY GRAVEL WITH 5 medium plasticity, 25-35% coarse-grained sand	SAND (GC), brown, moist, fines, 15-25% fine- to												
iH 2-B06, 2-P0	- 		mz.	SILTY SAND (SM), brown, fine gravel	moist, 20-25% fines, 5-10%												
LOG - GEOTECHNICAL_SU+QU W/ ELEV 19633000002_INFILTRATION TESTING_2-B01 THROUG				Bottom of boring at approx surface. No groundwater e	mately 7½ feet below ground ncountered at time of drilling												

	E	Exp		GEO t Excellence	LOG			=	BC	DR	RIN				09			
	G	Pa Tra	acif acy	ical Exploration ic Gateway /, California 33.000.002	DATE DRILLED: 8/ HOLE DEPTH: Ap HOLE DIAMETER: 4½ SURF ELEV (WGS84): Ap	prox. ∕₂ in.	. 12 1			DRILL	ING C DRILL	ONTR	ACTO IETHO	R: We	Navarro est Coas id Fligh	st Explo	oration	
	Depth in Feet	Elevation in Feet	Sample Type		CRIPTION	Sector Control	год эушрог	Water Level	Blow Count/Foot	Atter Fidnid Limit	Plastic Limit	Plasticity Index stimi	Fines Content (% passing #200 sieve)	Moisture Content (% dry weight)	Dry Unit Weight (pcf)	Shear Strength (psf) *field approximation	Unconfined Strength (tsf) *field approximation	
VGEO INC.GDT 9/4/24	2.5	— 190 —		SANDY LEAN CLAY (CL), plasticity, 30-40% fine- to c														
_2-B01 THROUGH 2-B06, 2-P01 THROUGH 2-P10.GPJ ENGEO INC.GDT 9/4/24		— — 185 —	(S	SANDY SILT (ML), yellowi 30-40% fine-grained sand,	sh brown, moist, low plasticity, <5% fine gravel													
9633000002_INFILTRATION TESTING		— — — 180	(3 2	SILTY SAND WITH GRAV moist, 20-30% fines, 15-25 coarse-grained sand	EL (SM), yellowish brown, % fine gravel, fine- to													
LOG - GEOTECHNICAL_SU+QU W/ ELEV 19633000002_INFILTRATION TESTING_2-B01 THROUGH				Bottom of boring at approx surface. No groundwater e	imately 12 feet below ground ncountered at time of drilling													

Strength Test Type

ENGEO	
Expect Excellence	

			Exp	ect	Excellence	LATITUDE: 37.660528				LONGITUDE: -121.399333										
		Geo	Pa Tra	cifi acy	ical Exploration c Gateway , California 3.000.002	DATE DRILLED: 8/16/2024 HOLE DEPTH: Approx. 8 ft. HOLE DIAMETER: 4½ in. SURF ELEV (WGS84): Approx. 159 ft.					LOGGED / REVIEWED BY: V. Navarro / ZAC DRILLING CONTRACTOR: West Coast Exploration DRILLING METHOD: Solid Flight Auger									
									Water Level		Atterberg Limits			sieve)	f		(psf) tion	jth (tsf) on	'pe	
	Depth in Feet		Elevation in Feet	Sample Type	DESCRIPTION		l oa Svmhol	2		Blow Count/Foot	Liquid Limit	Plastic Limit	Plastic Limit Plasticity Index	Fines Content (% passing #200 sieve)	Moisture Content (% dry weight)	Dry Unit Weight (pcf)	Shear Strength (psf) *field approximation	Unconfined Strength (tsf) *field approximation	Strength Test Type	
LOG - GEOTECHNICAL_SUHQU W/ ELEV 1963300002_INFILTRATION TESTING_2-B01 THROUGH 2-B06, 2-P01 THROUGH 2-P10.GPJ ENGEO INC.GDT 9/4/24	LEAN CLAY WITH SAND (C			0,	LEAN CLAY WITH SAND medium plasticity, 15-25%	(CL), dark brown, moist, fine- to medium-grained sand			/					E C	20		07 *	<u>)</u> *	0,	
	_	2.5 -		992 1																
	2.5 - 			992 1	Grades to brown															
			155		SANDY LEAN CLAY (CL),	brown, moist, medium														
	5.0—	- - 5.0 - - -		8 1 2	plasticity, 30-40% fine- to n	medium-grained sand 														
	_	-		en y																
	7.5 -	-		en z	SANDY LEAN CLAY (CL), medium plasticity, 30-40%	yellowish brown, moist, fine- to medium-grained sand														
						mately 8 feet below ground noountered at time of drilling														