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.

TABLE 1: Infiltration Rates

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	8½	Clayey Gravel with Sand	8.8
2-P08	Basin 7	7½	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

*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

Viridiana Navarro

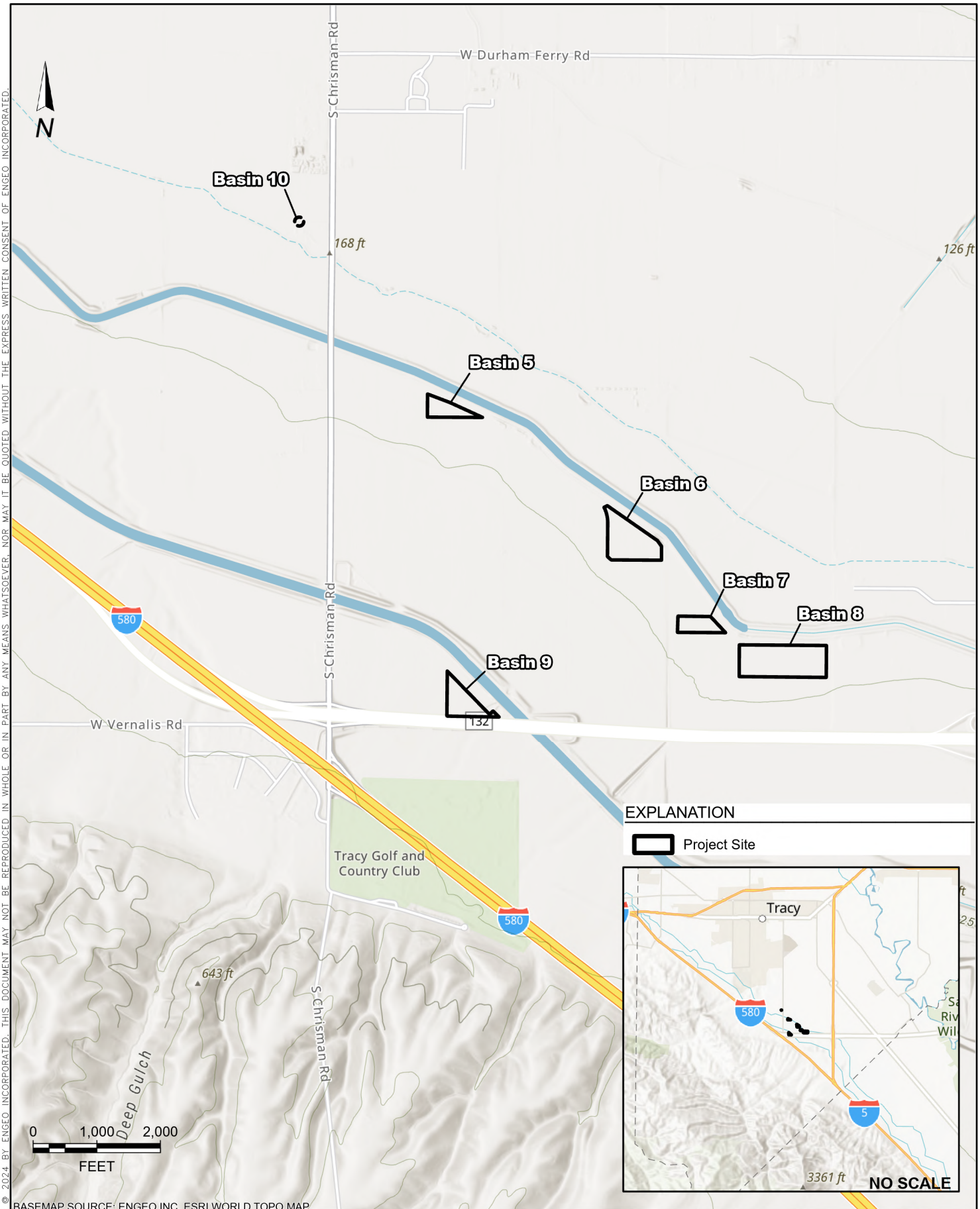
Steve Harris, GE

REGISTERED PROFESSIONAL ENGINEER
STEVE HARRIS
No. 2804
GEOTECHNICAL
STATE OF CALIFORNIA

vn/sdh/ca

Attachments: Figures
Boring Logs

FIGURES



BASEMAP SOURCE: ENGEO INC, ESRI WORLD TOPO MAP

ENGEO Expect Excellence

VICINITY MAP - BASINS

PACIFIC GATEWAY

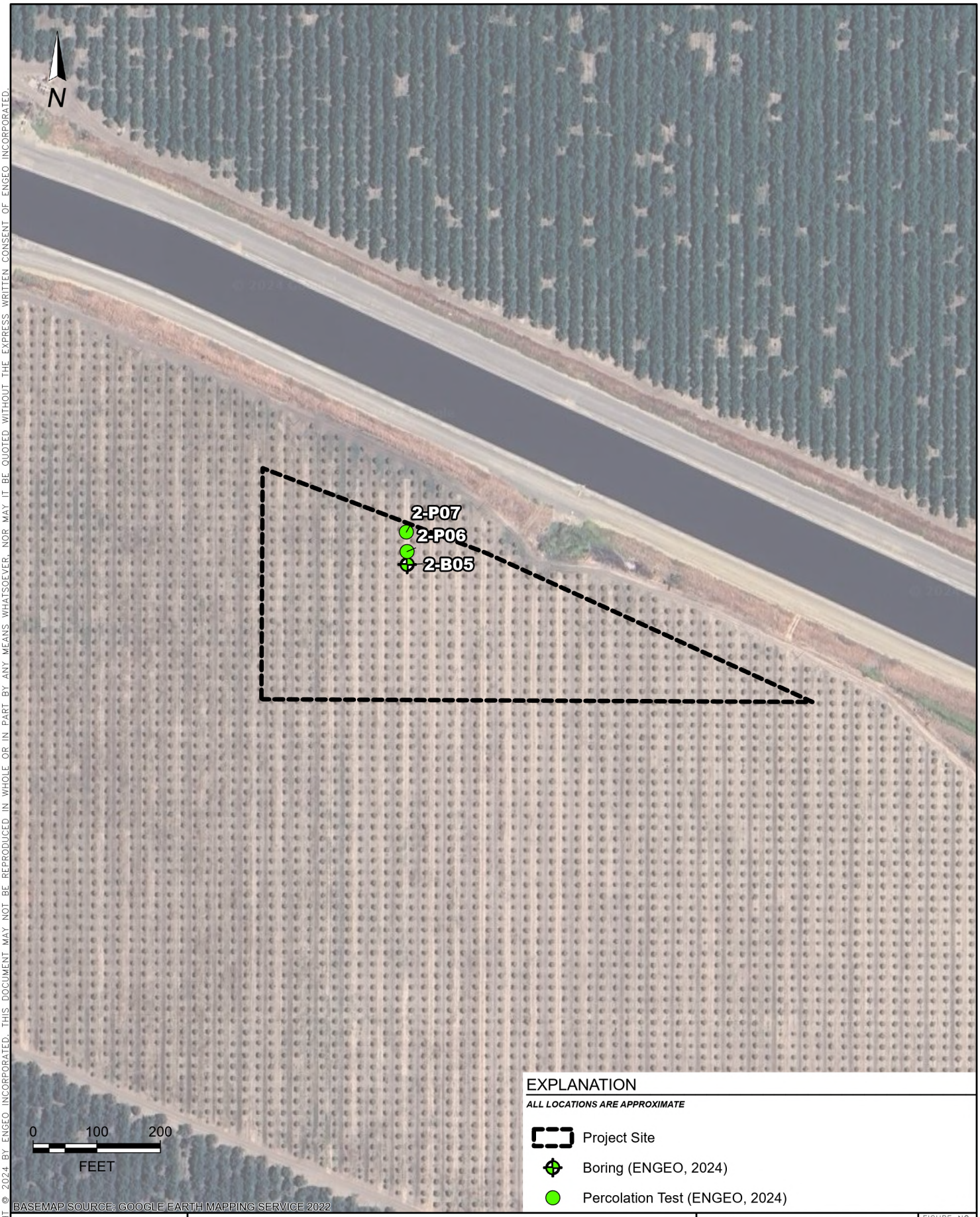
TRACY, CALIFORNIA

PROJECT NO. :	19633.000.001
SCALE:	AS SHOWN
DRAWN BY: MMH	CHECKED BY: SDH

FIGURE NO. 1

ORIGINAL FIGURE PRINTED IN COLOR

PATH: G:\DRAFTING\PROJECTS_18000 TO 19999\19633\19633000002\BASINS\PACIFIC GATEWAY BASINS.APRX
LAYOUT: 01. VICINITY 8.5 X 11 PORTRAIT USER: MHAWKINS



EXPLANATION

ALL LOCATIONS ARE APPROXIMATE

- Project Site
- Boring (ENGEO, 2024)
- Percolation Test (ENGEO, 2024)

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SITE PLAN - PROPOSED BASIN 5

PACIFIC GATEWAY

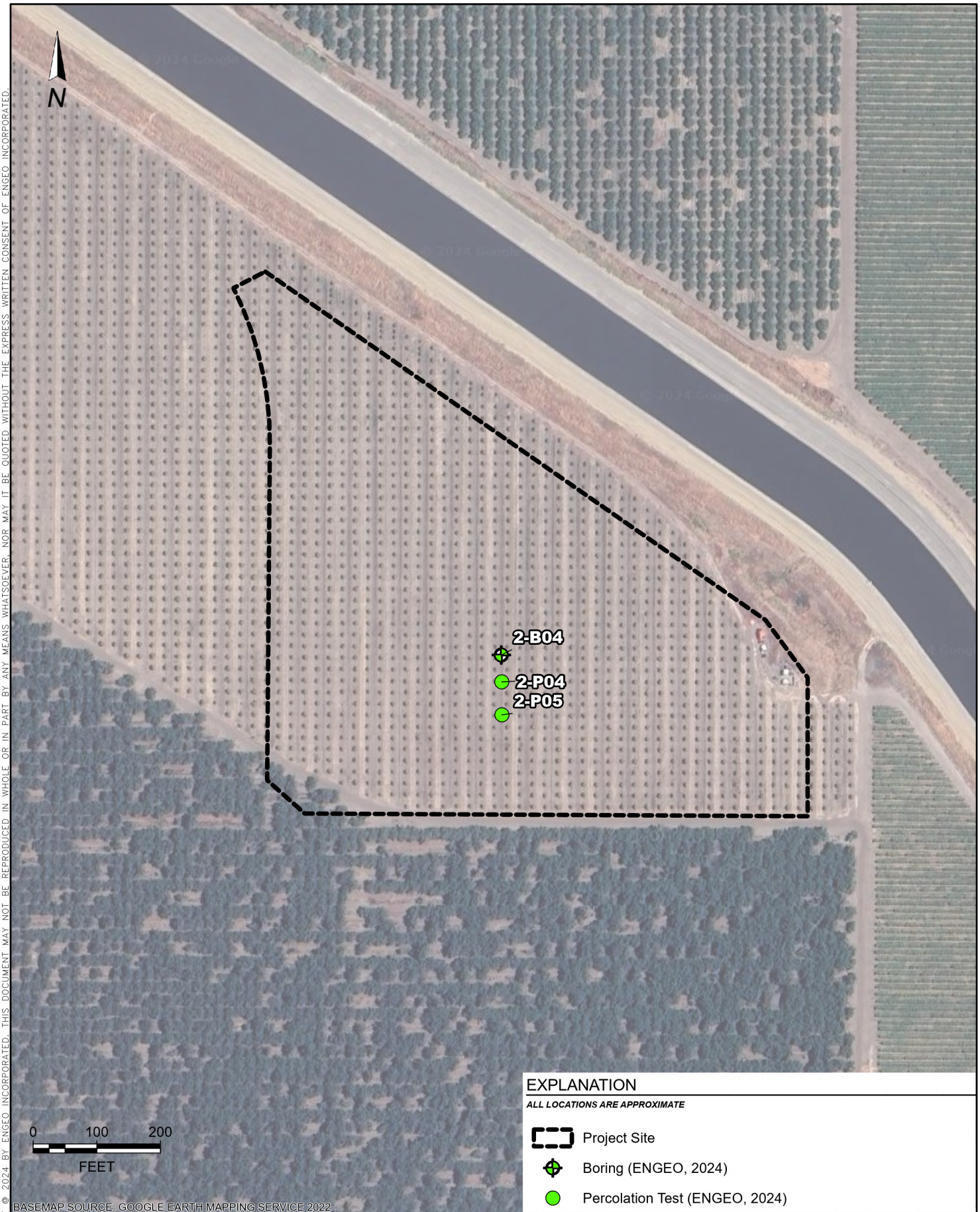
TRACY, CALIFORNIA

PROJECT NO. :	19633.000.001
SCALE:	AS SHOWN
DRAWN BY: MMH	CHECKED BY: SDH

FIGURE NO. 2

ORIGINAL FIGURE PRINTED IN COLOR

PATH: G:\DRAFTING\PROJECTS_18000 TO 19999\19633\19633000002\BASINS\PACIFIC GATEWAY BASINS.APRX
LAYOUT: 02. SITE PLAN 8.5 X 11 PORTRAIT USER: MHAWKINS



ENGEO Expect Excellence

SITE PLAN - PROPOSED BASIN 6

PACIFIC GATEWAY

TRACY, CALIFORNIA

PROJECT NO. :	19633.000.001
SCALE:	AS SHOWN
DRAWN BY: MMH	CHECKED BY: SDH

FIGURE NO. 3

ORIGINAL FIGURE PRINTED IN COLOR

PATH: G:\DRAFTING\PROJECTS_18000 TO 19999\19633\19633000002\BASINS\PACIFIC GATEWAY BASINS.APRX
LAYOUT: 03. SITE PLAN 8.5 X 11 PORTRAIT USER: MHAWKINS

BASEMAP SOURCE: GOOGLE EARTH MAPPING SERVICE 2022

ENGEO Expect Excellence

SITE PLAN - PROPOSED BASIN 7

PACIFIC GATEWAY

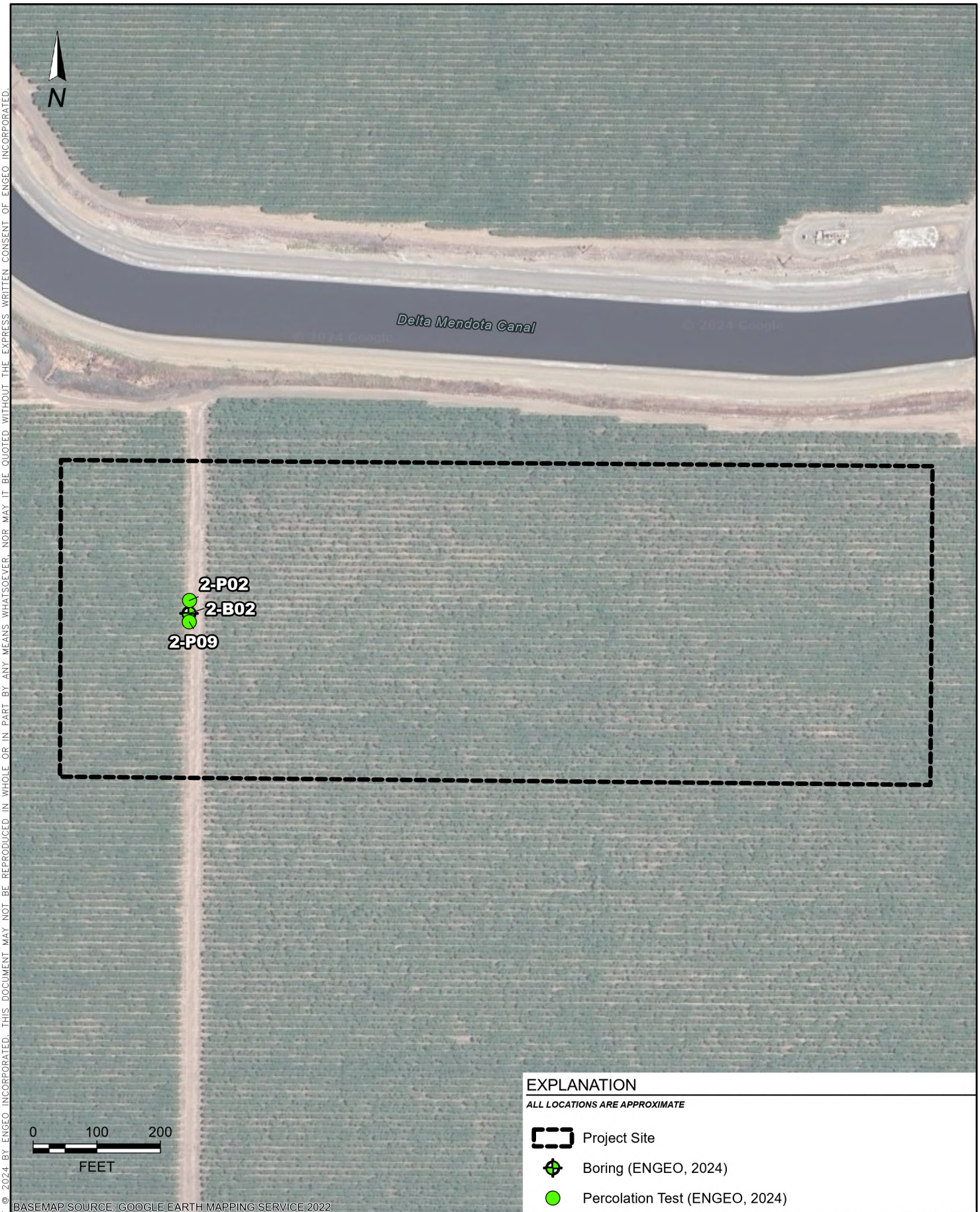
TRACY, CALIFORNIA

PROJECT NO. :	19633.000.001
SCALE:	AS SHOWN
DRAWN BY: MMH	CHECKED BY: SDH

FIGURE NO. 4

ORIGINAL FIGURE PRINTED IN COLOR

PATH: G:\DRAFTING\PROJECTS_18000 TO 19999\19633\19633000002\BASINS\PACIFIC GATEWAY BASINS.APRX
LAYOUT: 04. SITE PLAN 8.5 X 11 PORTRAIT USER: MHAWKINS



BASEMAP SOURCE: GOOGLE EARTH MAPPING SERVICE 2022

ENGEO Expect Excellence

SITE PLAN - PROPOSED BASIN 8

PACIFIC GATEWAY

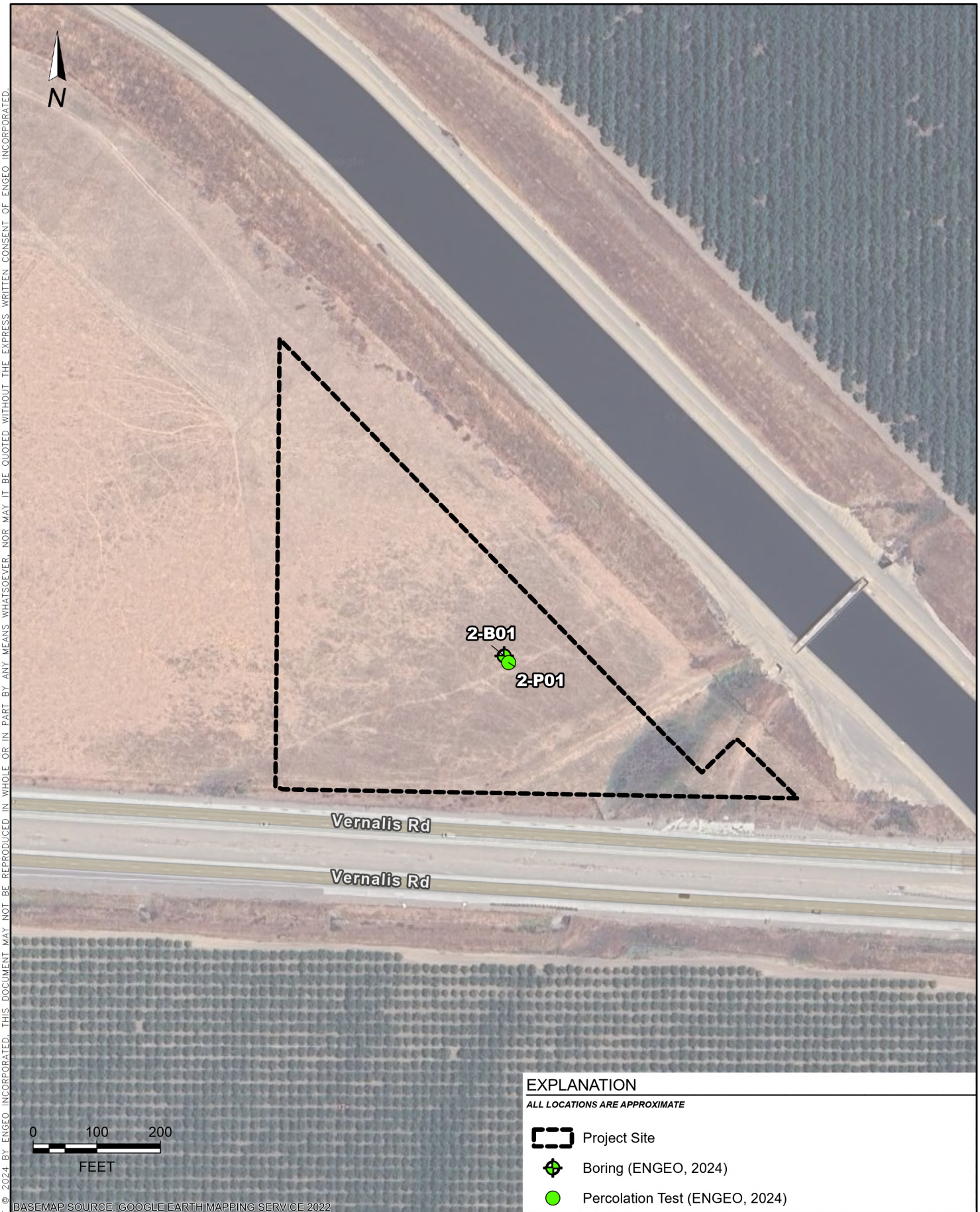
TRACY, CALIFORNIA

PROJECT NO. :	19633.000.001
SCALE:	AS SHOWN
DRAWN BY: MMH	CHECKED BY: SDH

FIGURE NO. 5

ORIGINAL FIGURE PRINTED IN COLOR

PATH: G:\DRAFTING\PROJECTS_18000 TO 19999\19633\19633000002\BASINS\PACIFIC GATEWAY BASINS.APRX
LAYOUT: 05. SITE PLAN 8.5 X 11 PORTRAIT USER: MHAWKINS



EXPLANATION

ALL LOCATIONS ARE APPROXIMATE

- Project Site
- Boring (ENGEO, 2024)
- Percolation Test (ENGEO, 2024)

ENGEO Expect Excellence

SITE PLAN - PROPOSED BASIN 9

PACIFIC GATEWAY

TRACY, CALIFORNIA

PROJECT NO. :	19633.000.001
SCALE:	AS SHOWN
DRAWN BY: MMH	CHECKED BY: SDH

FIGURE NO. 6

ORIGINAL FIGURE PRINTED IN COLOR

PATH: G:\DRAFTING\PROJECTS_18000 TO 19999\19633\19633000002\BASINS\PACIFIC GATEWAY BASINS.APRX
LAYOUT: 06. SITE PLAN 8.5 X 11 PORTRAIT1 USER: MHAWKINS

BASEMAP SOURCE: GOOGLE EARTH MAPPING SERVICE 2022

EXPLANATION

Percolation Test (ENGEO, 2024)

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SITE PLAN - PROPOSED BASIN 10

PACIFIC GATEWAY

TRACY, CALIFORNIA

PROJECT NO. :	19633.000.001
SCALE:	AS SHOWN
DRAWN BY: MMH	CHECKED BY: SDH

FIGURE NO. 7

ORIGINAL FIGURE PRINTED IN COLOR

PATH: G:\DRAFTING\PROJECTS_18000 TO 19999\19633\19633000002\BASINS\PACIFIC GATEWAY BASINS.APRX
LAYOUT: 07. SITE PLAN 8.5 X 11 PORTRAIT USER: MHAWKINS

BORING LOGS

19633.000.002
September 4, 2024

ENGEO
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LOG OF BORING 2-B01

LATITUDE: 37.639195 LONGITUDE: -121.390024

Geotechnical Exploration
Pacific Gateway
Tracy, California
19633.000.002

DATE DRILLED: 8/14/2024
HOLE DEPTH: Approx. 20 ft.
HOLE DIAMETER: 4½ in.
SURF ELEV (WGS84): Approx. 251 ft.

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	DESCRIPTION	Log Symbol	Water Level	Blow Count/Foot	Atterberg Limits: Liquid Limit	Atterberg Limits: Plastic Limit	Atterberg Limits: 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
0	250		LEAN CLAY WITH SAND (CL), dark brown, moist, low to medium plasticity, <15% fine- to medium-grained sand, <5% fine gravel, contains rootlets												
			LEAN CLAY WITH SAND (CL), brown, moist, medium to high plasticity, 15-25% fine- to medium-grained sand												
5	245		SANDY LEAN CLAY WITH GRAVEL (CL), yellowish brown, moist, medium plasticity, 15-20% fine-grained sand, 15-20% fine-gravel												
10	240		SANDY SILT (ML), yellowish brown, moist, low plasticity, 30-40% fine-grained sand												
			SANDY SILT (ML), yellowish brown, moist, low plasticity, 25-30% fine-grained sand, 5-10% fine- to coarse gravel												
15	235		Grades to contain 15-20% fine to coarse gravel												
20			Bottom of boring at approximately 20 feet below ground surface. No groundwater encountered at time of drilling.												

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

ENGEO
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LOG OF BORING 2-B02

LATITUDE: 37.641144 LONGITUDE: -121.374717

Geotechnical Exploration
Pacific Gateway
Tracy, California
19633.000.002

DATE DRILLED: 8/15/2024
HOLE DEPTH: Approx. 20 ft.
HOLE DIAMETER: 4½ in.
SURF ELEV (WGS84): Approx. 192 ft.

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	DESCRIPTION	Log Symbol	Water Level	Blow Count/Foot	Atterberg Limits: Liquid Limit	Atterberg Limits: Plastic Limit	Atterberg Limits: 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
0	190		SANDY LEAN CLAY (CL), yellowish brown, moist, medium plasticity, 30-40% fine-grained sand												
5	185		SANDY LEAN CLAY WITH GRAVEL (CL), yellowish brown, moist, medium plasticity, 30-35% fine-grained sand, 15% fine to coarse gravel												
			SILTY GRAVEL WITH SAND (GM), grayish brown, moist, medium plasticity, 15-20% fines, 15-20% fine to coarse-grained sand, fine- to coarse gravel												
10	180														
15	175		LEAN CLAY WITH SAND (CL), yellowish brown, hard, moist, medium plasticity, 15-25% fine- to medium-grained sand												
20			Bottom of boring at approximately 20 feet below ground surface. No groundwater encountered at time of drilling.												

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

LOG OF BORING 2-B03

ENGEO Expect Excellence

LATITUDE: 37.642684 LONGITUDE: -121.379187

Geotechnical Exploration
Pacific Gateway
Tracy, California
19633.000.002

DATE DRILLED: 8/15/2024
HOLE DEPTH: Approx. 20 ft.
HOLE DIAMETER: 4½ in.
SURF ELEV (WGS84): Approx. 196 ft.

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	DESCRIPTION	Log Symbol	Water Level	Blow Count/Foot	Atterberg Limits: Liquid Limit	Atterberg Limits: Plastic Limit	Atterberg Limits: 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
0	195		LEAN CLAY WITH SAND (CL), dark brown, moist, medium plasticity, 15-25% fine- to coarse-grained sand, <5% fine gravel												
5	190		LEAN CLAY WITH SAND (CL), yellowish brown, moist, low to medium plasticity, 15-25% fine- to coarse-grained sand												
10	185		SANDY SILT (ML), light yellowish brown, moist, low plasticity, 30-40% fine- to coarse-grained sand												
15	180		SANDY LEAN CLAY WITH GRAVEL (CL), yellowish brown, moist, low to medium plasticity, 30-35% fine- to coarse-grained sand, 15% fine gravel												
			SANDY LEAN CLAY (CL), light yellowish brown, moist, low to medium plasticity, 30-40% fine- to coarse-grained sand												
20			Bottom of the boring at approximately 20 feet below ground surface. No groundwater encountered at the time of drilling.												

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

ENGEO
Expect Excellence

LOG OF BORING 2-B04

LATITUDE: 37.646107 LONGITUDE: -121.381358

Geotechnical Exploration
Pacific Gateway
Tracy, California
19633.000.002

DATE DRILLED: 8/15/2024
HOLE DEPTH: Approx. 20 ft.
HOLE DIAMETER: 4½ in.
SURF ELEV (WGS84): Approx. 197 ft.

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	DESCRIPTION	Log Symbol	Water Level	Blow Count/Foot	Atterberg Limits: Liquid Limit	Atterberg Limits: Plastic Limit	Atterberg Limits: 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
0	195		FAT CLAY (CH), dark brown, moist, high plasticity, <15% fine- to coarse-grained sand, <5% fine gravel												
5	190		LEAN CLAY WITH SAND (CL), yellowish brown, moist, medium plasticity, 15-25% fine- to coarse-grained sand												
10	185		SANDY LEAN CLAY (CL), yellowish brown, moist, low plasticity, 30-40% fine- to coarse-grained sand												
15	180		SANDY LEAN CLAY (CL), yellowish brown, moist, low plasticity, 25-30% fine- to coarse-grained sand, 15-25% fine to coarse gravel												
20			LEAN CLAY (CL), light yellowish brown, moist, medium to high plasticity, <15% fine-grained sand, 5% fine to coarse gravel, contains silt fines												
			Bottom of the boring at approximately 20 feet below ground surface. No groundwater encountered at the time of drilling.												

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

ENGEO
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LOG OF BORING 2-B05

LATITUDE: 37.652084 LONGITUDE: -121.391686

Geotechnical Exploration
Pacific Gateway
Tracy, California
19633.000.002

DATE DRILLED: 8/15/2024
HOLE DEPTH: Approx. 20 ft.
HOLE DIAMETER: 4½ in.
SURF ELEV (WGS84): Approx. 192 ft.

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	DESCRIPTION	Log Symbol	Water Level	Blow Count/Foot	Atterberg Limits: Liquid Limit	Atterberg Limits: Plastic Limit	Atterberg Limits: 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
0	192		FAT CLAY WITH SAND (CH), dark brown, moist, high plasticity, 15-25% fine- to medium-grained sand												
5	190		Grades to brown												
	185		LEAN CLAY WITH SAND (CL), yellowish brown, moist, medium to high plasticity, 20-25% fine-grained sand												
10			SANDY LEAN CLAY (CL), yellowish brown, moist, medium plasticity, 30-40% fine-grained sand												
	180		SILTY SAND (SM), yellowish brown, moist, 30-40% fines, fine- to coarse-grained sand												
15			SANDY LEAN CLAY (CL), yellowish brown, moist, medium plasticity, 30-40% fine-grained sand												
	175		Grades to contain 5% coarse gravel												
			Grades to contain no gravel												
20			Bottom of boring at approximately 20 feet below ground surface. No groundwater encountered at time of drilling.												

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

ENGEO
Expect Excellence

LOG OF BORING 2-P01

LATITUDE: 37.639167 LONGITUDE: -121.39

Geotechnical Exploration
Pacific Gateway
Tracy, California
19633.000.002

DATE DRILLED: 8/14/2024
HOLE DEPTH: Approx. 12½ ft.
HOLE DIAMETER: 4½ in.
SURF ELEV (WGS84): Approx. 251 ft.

LOGGED / REVIEWED BY: V. Navarro / ZAC
DRILLING CONTRACTOR: West Coast Exploration
DRILLING METHOD: Solid Flight Auger
HAMMER TYPE: 140 lb. Rope and Cathead

Depth in Feet	Elevation in Feet	Sample Type	DESCRIPTION	Log Symbol	Water Level	Blow Count/Foot	Atterberg Limits: Liquid Limit	Atterberg Limits: Plastic Limit	Atterberg Limits: 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
0	250		LEAN CLAY WITH SAND (CL), dark brown, moist, low to medium plasticity, <15% fine- to medium-grained sand, <5% fine-gravel, contains rootlets												
2.5			LEAN CLAY WITH GRAVEL (CL), dark brown, moist, medium plasticity, 15-20% fine to coarse gravel												
5.0	245														
7.5			SANDY LEAN CLAY (CL), yellowish brown, moist, medium plasticity, 30-40% fine- to medium-grained sand			30									
10.0	240														
12.5			Bottom of boring at approximately 12½ feet below ground surface. No groundwater encountered at the time of drilling.												

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

ENGEO
Expect Excellence

LOG OF BORING 2-P02

LATITUDE: 37.641201 LONGITUDE: -121.374715

Geotechnical Exploration
Pacific Gateway
Tracy, California
19633.000.002

DATE DRILLED: 8/15/2024
HOLE DEPTH: Approx. 8 ft.
HOLE DIAMETER: 4½ in.
SURF ELEV (WGS84): Approx. 192 ft.

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	DESCRIPTION	Log Symbol	Water Level	Blow Count/Foot	Atterberg Limits: Liquid Limit	Atterberg Limits: Plastic Limit	Atterberg Limits: 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
	190		SANDY LEAN CLAY (CL), yellowish brown, moist, medium plasticity, 30-40% fine- to coarse-grained sand												
2.5															
5.0			Grades to contain 5-10% fine to coarse gravel												
	185														
7.5			SILTY GRAVEL WITH SAND (GC), grayish brown, moist, medium plasticity, 15-25% fines, 15-25% fine- to coarse grained sand												
			Bottom of boring at approximately 8 feet below ground surface. No groundwater encountered at time of drilling.												

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

LOG OF BORING 2-P03

ENGEO Expect Excellence

LATITUDE: 37.642645 LONGITUDE: -121.379188

Geotechnical Exploration
Pacific Gateway
Tracy, California
19633.000.002

DATE DRILLED: 8/15/2024
HOLE DEPTH: Approx. 12 ft.
HOLE DIAMETER: 4½ in.
SURF ELEV (WGS84): Approx. 196 ft.

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	DESCRIPTION	Log Symbol	Water Level	Blow Count/Foot	Atterberg Limits: Liquid Limit	Atterberg Limits: Plastic Limit	Atterberg Limits: 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
0	195		LEAN CLAY WITH SAND (CL), dark brown, moist, medium plasticity, 15-25% fine- to coarse-grained sand, <5% fine gravel												
2.5															
			SANDY SILT (ML), yellowish brown, moist, low plasticity, rapid dilatancy, 30-40% fine- to coarse-grained sand												
5.0	190														
7.5															
10.0			SILTY SAND (SM), brown, moist, 20-25% fines, 5-10% fine gravel, fine- to coarse-grained sand												
	185														
			Bottom of boring at approximately 12 feet below ground surface. No groundwater encountered at time of drilling.												

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

LOG OF BORING 2-P04

ENGEO Expect Excellence

LATITUDE: 37.645992 LONGITUDE: -121.381355

Geotechnical Exploration
Pacific Gateway
Tracy, California
19633.000.002

DATE DRILLED: 8/15/2024
HOLE DEPTH: Approx. 12½ ft.
HOLE DIAMETER: 4½ in.
SURF ELEV (WGS84): Approx. 199 ft.

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	DESCRIPTION	Log Symbol	Water Level	Blow Count/Foot	Atterberg Limits: Liquid Limit	Atterberg Limits: Plastic Limit	Atterberg Limits: 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
0	195		FAT CLAY WITH SAND (CH), dark brown, moist, high plasticity, <15% fine- to coarse-grained sand, <5% fine gravel												
2.5															
5.0			LEAN CLAY WITH SAND (CL), yellowish brown, moist, medium plasticity, 15-25% fine- to medium-grained sand												
7.5															
10.0	190		SANDY LEAN CLAY (CL), yellowish brown, moist, low plasticity, 30-40% fine- to coarse-grained sand												
12.5			Bottom of boring at approximately 12½ feet below ground surface. No groundwater encountered at time of drilling												

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

LOG OF BORING 2-P05

ENGEO Expect Excellence

LATITUDE: 37.64585 LONGITUDE: -121.381352

Geotechnical Exploration
Pacific Gateway
Tracy, California
19633.000.002

DATE DRILLED: 8/15/2024
HOLE DEPTH: Approx. 11¼ ft.
HOLE DIAMETER: 4½ in.
SURF ELEV (WGS84): Approx. 198 ft.

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	DESCRIPTION	Log Symbol	Water Level	Blow Count/Foot	Atterberg Limits: Liquid Limit	Atterberg Limits: Plastic Limit	Atterberg Limits: 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
0			FAT CLAY WITH SAND (CH), dark brown, moist, high plasticity, <15% fine- to coarse-grained sand, <5% fine gravel												
			Grades to brown												
2.5	195														
			LEAN CLAY WITH SAND (CL), yellowish brown, moist, medium plasticity, 15-25% fine- to coarse-grained sand												
5.0															
7.5	190		SANDY LEAN CLAY (CL), yellowish brown, moist, low plasticity, 30-40% fine- to coarse-grained sand												
10.0															
			Bottom of boring at approximately 11 1/4 feet below ground surface. No groundwater encountered at time of drilling.												

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

ENGEO
Expect Excellence

LOG OF BORING 2-P06

LATITUDE: 37.65214 LONGITUDE: -121.391688

Geotechnical Exploration
Pacific Gateway
Tracy, California
19633.000.002

DATE DRILLED: 8/15/2024
HOLE DEPTH: Approx. 12½ ft.
HOLE DIAMETER: 4½ in.
SURF ELEV (WGS84): Approx. 194 ft.

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	DESCRIPTION	Log Symbol	Water Level	Blow Count/Foot	Atterberg Limits: Liquid Limit	Atterberg Limits: Plastic Limit	Atterberg Limits: 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
0	190		FAT CLAY WITH SAND (CH), dark brown, moist, high plasticity, 15-25% fine- to medium-grained sand												
5.0	185		LEAN CLAY WITH SAND (CL), yellowish brown, moist, medium to high plasticity, 20-25% fine-grained sand												
10.0			SANDY SILT (ML), yellowish brown, moist, low plasticity, 30-40% fine-grained sand												
			SILTY SAND (SM), yellowish brown, moist, 20-30% fines, fine- to coarse-grained sand												
12.5			Bottom of boring at approximately 12½ feet below ground surface. No groundwater encountered at time of drilling												

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

LOG OF BORING 2-P07

ENGEO Expect Excellence

LATITUDE: 37.652224 LONGITUDE: -121.391693

Geotechnical Exploration
Pacific Gateway
Tracy, California
19633.000.002

DATE DRILLED: 8/15/2024
HOLE DEPTH: Approx. 8½ ft.
HOLE DIAMETER: 4½ in.
SURF ELEV (WGS84): Approx. 193 ft.

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	DESCRIPTION	Log Symbol	Water Level	Blow Count/Foot	Atterberg Limits: Liquid Limit	Atterberg Limits: Plastic Limit	Atterberg Limits: 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 (CH), dark brown, moist, high plasticity, 15-25% fine- to medium-grained sand												
2.5	190		Grades to brown												
5.0															
7.5	185		CLAYEY GRAVEL WITH SAND (GC), yellowish brown, moist, medium plasticity, 20-30% fines, 25-35% fine- to coarse-grained sand												
			Bottom of boring at approximately 8½ feet below ground surface. No groundwater encountered at time of drilling												

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

LOG OF BORING 2-P08

ENGEO Expect Excellence

LATITUDE: 37.642616 LONGITUDE: -121.37919

Geotechnical Exploration
Pacific Gateway
Tracy, California
19633.000.002

DATE DRILLED: 8/15/2024
HOLE DEPTH: Approx. 7½ ft.
HOLE DIAMETER: 4½ in.
SURF ELEV (WGS84): Approx. 196 ft.

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	DESCRIPTION	Log Symbol	Water Level	Blow Count/Foot	Atterberg Limits: Liquid Limit	Atterberg Limits: Plastic Limit	Atterberg Limits: 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
0	195		LEAN CLAY WITH SAND (CL), dark brown, moist, medium plasticity, 15-25% fine- to coarse-grained sand, <5% fine gravel												
2.5			SANDY SILT (ML), yellowish brown, moist, low plasticity, rapid dilatancy, 30-40% fine- to coarse-grained sand												
5.0	190		CLAYEY GRAVEL WITH SAND (GC), brown, moist, medium plasticity, 25-35% fines, 15-25% fine- to coarse-grained sand												
			SILTY SAND (SM), brown, moist, 20-25% fines, 5-10% fine gravel												
7.5			Bottom of boring at approximately 7½ feet below ground surface. No groundwater encountered at time of drilling												

LOG OF BORING 2-P09

ENGEO Expect Excellence

LATITUDE: 37.641108 LONGITUDE: -121.374715

Geotechnical Exploration
Pacific Gateway
Tracy, California
19633.000.002

DATE DRILLED: 8/15/2024
HOLE DEPTH: Approx. 12 ft.
HOLE DIAMETER: 4½ in.
SURF ELEV (WGS84): Approx. 192 ft.

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	DESCRIPTION	Log Symbol	Water Level	Blow Count/Foot	Atterberg Limits: Liquid Limit	Atterberg Limits: Plastic Limit	Atterberg Limits: 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
0	190		SANDY LEAN CLAY (CL), brown, moist, medium plasticity, 30-40% fine- to coarse-grained sand												
2.5															
5.0															
5	185		SANDY SILT (ML), yellowish brown, moist, low plasticity, 30-40% fine-grained sand, <5% fine gravel												
7.5															
10.0			SILTY SAND WITH GRAVEL (SM), yellowish brown, moist, 20-30% fines, 15-25% fine gravel, fine- to coarse-grained sand												
10	180		Bottom of boring at approximately 12 feet below ground surface. No groundwater encountered at time of drilling												

ENGEO
Expect Excellence

LOG OF BORING 2-P10

LATITUDE: 37.660528 LONGITUDE: -121.399333

Geotechnical Exploration
Pacific Gateway
Tracy, California
19633.000.002

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
HAMMER TYPE: N/A

Depth in Feet	Elevation in Feet	Sample Type	DESCRIPTION	Log Symbol	Water Level	Blow Count/Foot	Atterberg Limits: Liquid Limit	Atterberg Limits: Plastic Limit	Atterberg Limits: 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
			LEAN CLAY WITH SAND (CL), dark brown, moist, medium plasticity, 15-25% fine- to medium-grained sand												
			Grades to brown												
2.5	155		SANDY LEAN CLAY (CL), brown, moist, medium plasticity, 30-40% fine- to medium-grained sand												
5.0			LEAN CLAY WITH SAND (CL), brown, moist, medium plasticity, 15-25% fine- to medium-grained sand												
7.5			SANDY LEAN CLAY (CL), yellowish brown, moist, medium plasticity, 30-40% fine- to medium-grained sand												
			Bottom of boring at approximately 8 feet below ground surface. No groundwater encountered at time of drilling												