Sladden Engineering

45090 Golf Center Parkway, Suite F, Indio, California 92201 (760) 863-0713 Fax (760) 863-0847
6782 Stanton Avenue, Suite A, Buena Park, CA 90621 (714) 523-0952 Fax (714) 523-1369
450 Egan Avenue, Beaumont, CA 92223 (951) 845-7743 Fax (951) 845-8863
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September 20, 2010

Project No. 644-10019
10-08-034

1.0 DESCRIPTION OF SITE AND PROPOSAL

1.1 Prepared For:
Mr. Doug Grove
RHA Landscape Architects Planners, Inc.
6216 Brockton Avenue, Suite 212
Riverside, CA 92506

Project: Proposed South Side Community Park
Town Project No. 8518-409
Town of Yucca Valley
San Bernardino County, California

Subject: Percolation Testing for Onsite Sewage Disposal Feasibility

1.2. Location:

a) The site is located on the northwest corner of Joshua Lane and Warren Vista Avenue in the Town of Yucca Valley, San Bernardino County, California. The approximate location of the site is indicated on the Site Location Map, Figure 1. The percolation test hole locations are indicated on the attached Borehole Location Plan, Figure 2 .

1.3 Proposed Development:

a) It is our understanding that the project will include constructing a new restroom facility as part of the South Side Community Park project.
b) It is proposed to install an on site sewage disposal system consisting of a septic tank and leach lines to serve the proposed restroom.

1.4 Description of Site and Surroundings:

a) The site has gentle surface gradients trending north at approximately eight horizontal to one vertical (8H:1V) and less.
b) An existing water course trends through the site. The plans identify the water course as West Burnt Mountain Wash.
c) The property is undeveloped and covered in scattered native scrubs and trees.
d) It is assumed that the existing residences within the vicinity of the project site are utilizing individual septic systems consisting of septic tanks and leach lines.
e) There are no existing or abandoned wells known to be on the site.
f) There are no rock outcrops on the site and bedrock was not encountered to a maximum explored depth of 51 feet during our field investigation.

g) Groundwater was not encountered within our exploratory bores. Information regarding the approximate depth to groundwater provided by the California Department of Water Resources (CDWR) online database indicates that the depth to groundwater is in excess of 100 feet below the existing ground surface north of the subject site. No groundwater data was available within the immediate site vicinity.
h) Site geologic features are not expected to affect sewage disposal in the area of the proposed leach lines.
i) It appears that there will be sufficient area for the sewage disposal systems and the required expansion area on the site.

2.0 EQUIPMENT

a) The test holes and exploratory bores were excavated using a truck mounted hollow stem auger rig (Mobile B61).
b) Tools used during testing consisted of an electronic water measuring device, a watch and a water truck.

3.0 METHODOLOGY AND PROCEDURES

3.1 Locations were determined by sighting and pacing from the existing roadways and other prominent features.

3.2 The test results and soil conditions encountered within our exploratory bores indicated that "Favorable" conditions for percolation exists in the proposed area of the leach lines. Percolation test rates were consistent with the sandy conditions observed.

3.3 The soil encountered in our exploratory bores consisted primarily of silty fine to coarse grained alluvial sand with scattered gravel.

3.4 Test procedures for leach lines:

Leach lines:

a) Test holes were excavated to an approximate depth of five (5) feet below existing grade.
b) Two (2) inches of ½ inch gravel were placed on the bottom of the test holes to prevent scouring when water was added.
c) Percolation tests were performed by filling the test holes with approximately 10 inches of water and recording the drop in the water surface. The water percolated at a rate such that 10 minute time intervals were used for the test holes. Percolation test holes were excavated and presoaked on August 26, 2010 and percolation testing was performed on August 27, 2010.

3.5 Leach line Test Results:

a) The following is a table of the results of the test performed on the subject site.

Test Hole No.	Q gal/ sq. ft/ day	Q minutes/ inch	Minimum Square Feet of Absorption Area Per Gallon Per Day
BH-5	---	1.00	0.83
BH-6	---	1.00	0.83
BH-7	---	1.00	0.83
BH-8	---	1.00	0.83

4.0 DISCUSSION OF RESULTS

4.1 Testing indicates that percolation rates were relatively consistent and generally rapid within each of our test holes.

4.2 Measurements were considered accurate and the consistency of the results indicates accuracy.

5.0 DESIGN

5.1 Criteria:

a) Leach lines may be designed based on an application rate of 0.83 square feet per gallon per day as determined by San Bernardino County guidelines.

6.0 SEE ATTACHED SITE PLAN

7.0 GENERAL DISCUSSION AND CONCLUSIONS

7.1 Based on the data presented in the report and the plans supplied by the client, it is the judgment of this engineer that leach lines should be used for the sewage disposal system on this property.

7.2 Based on the data presented in the report and the tested information accumulated, it is the judgment of the engineer that the groundwater table should not encroach with the allowable limit set forth by County and State requirements, when the recommendations of this report are followed. Also, there will be sufficient area for future expansion.

7.3 A minimum of 100 feet shall be maintained between water supply wells and leach lines. A minimum of 8 feet shall be maintained between buildings or structures and leach lines. A minimum of 8 feet shall be maintained between leach lines and private property lines. This also includes the expansion areas.

8.0 GENERAL

The findings and recommendations presented in this report are based upon an interpolation of the soil conditions between sample locations and extrapolation of the conditions throughout the leaching area. Should conditions encountered during grading (or excavation) appear different than those indicated in this report, this office should be notified.

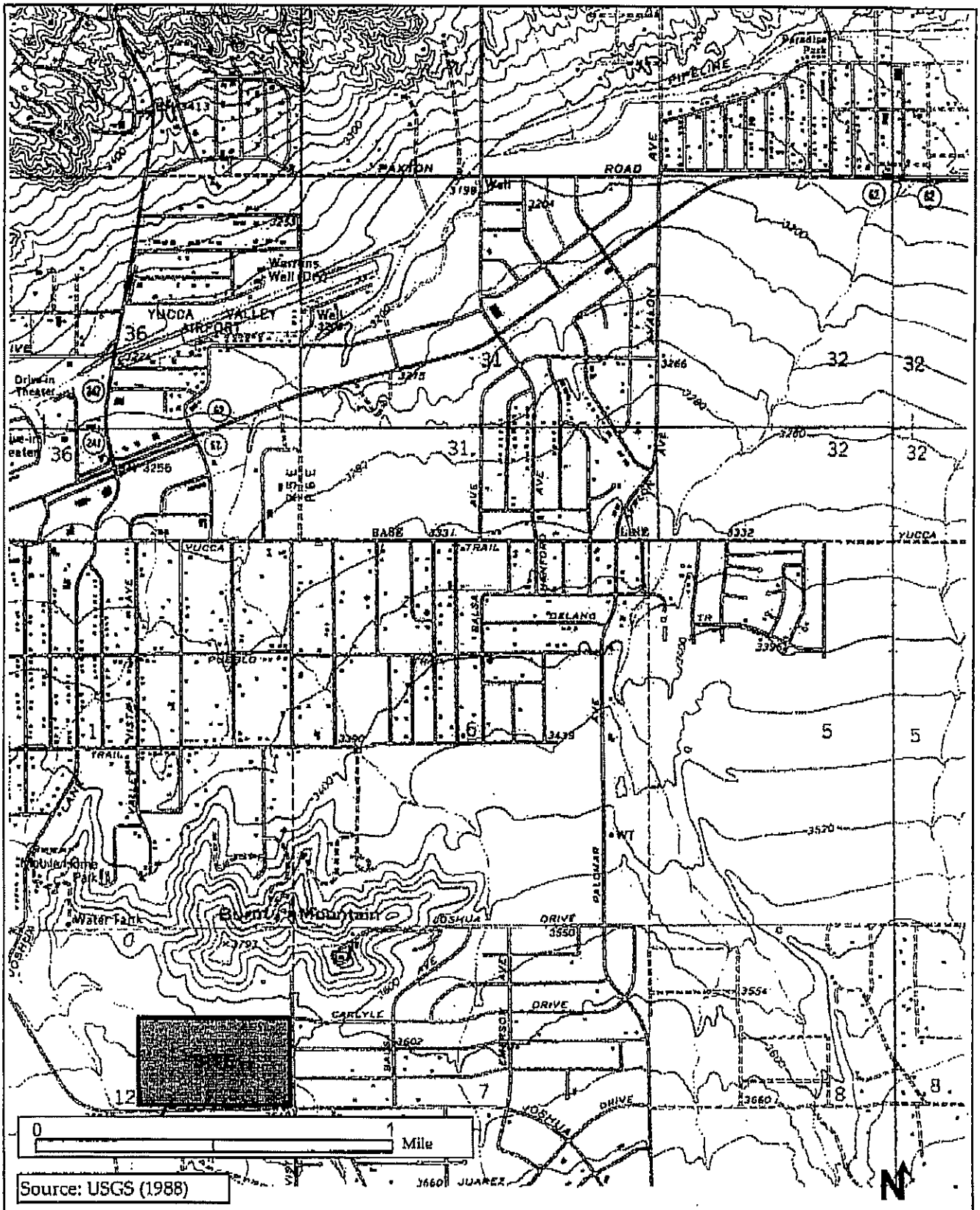
This report is considered to be applicable for use by the client for the specific site and project described herein. The use of this report by other parties or for other projects is not authorized. The recommendations of this report are contingent upon monitoring of the grading operations by a representative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

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

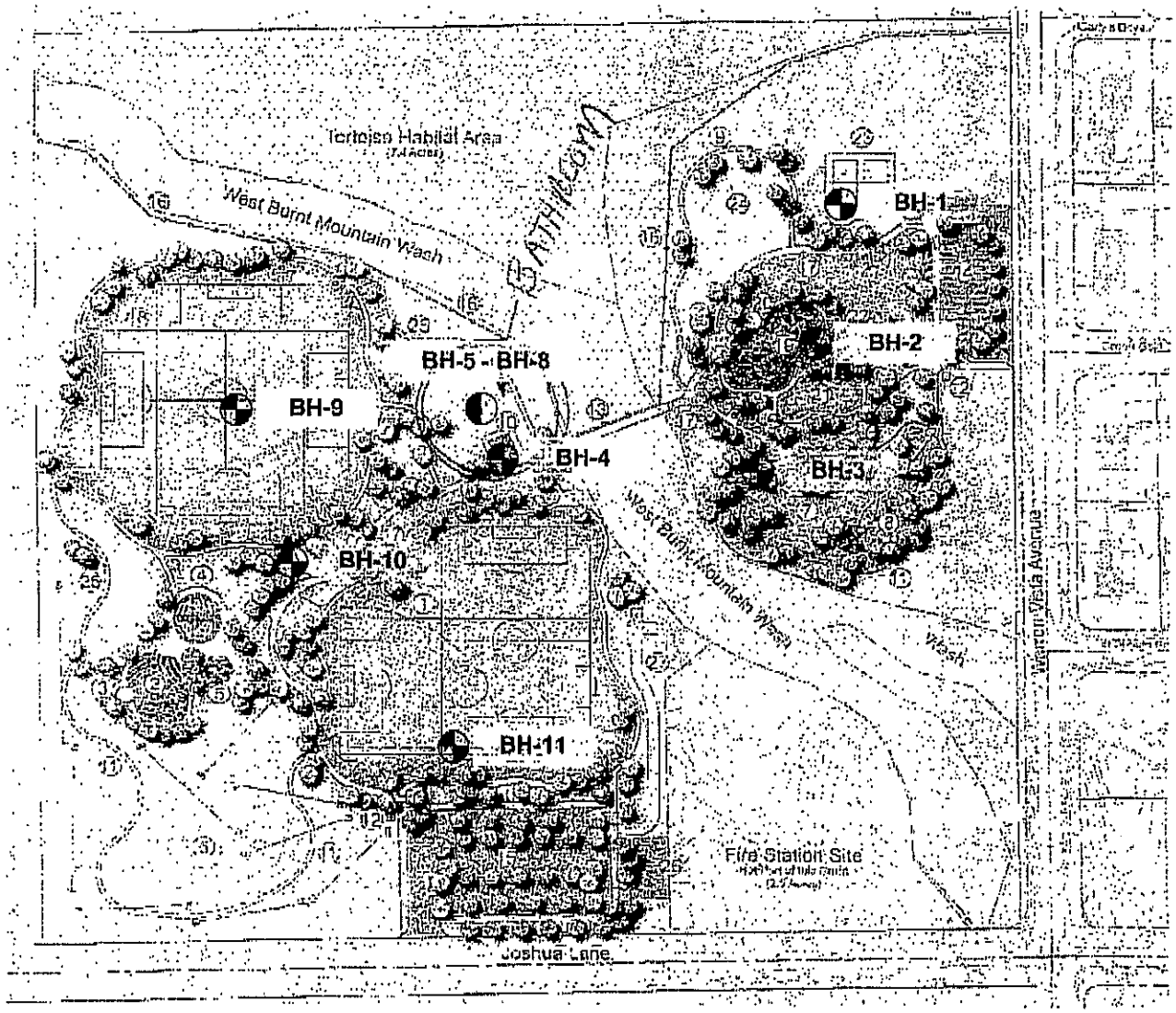
Respectfully submitted,
SLADDEN ENGINEERING

Brett L. Anderson
Principal Engineer

Copies: 4/ Addressee



	SITE LOCATION MAP		FIGURE
Sladden Engineering	Project Number:	644-10019	1
	Report Number:	10-08-034	
	Date:	September 20, 2010	



BH-5 - BH-8	Approximate Percolation test hole Location and Designation
BH-11	Approximate Borehole Location and Designation

N

Sladden Engineering

BOREHOLE LOCATION PLAN

Project Number:	644-10019
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FIGURE

2

UNIFIED SOIL CLASSIFICATION SYSTEM

MAJOR DIVISIONS			TYPICAL NAMES	
COARSE GRAINED SOILS MORE THAN HALF IS LARGER THAN No.200 SIEVE	GRAVELS MORE THAN HALF COARSE FRACTION IS LARGER THAN No.4 SIEVE SIZE	CLEAN GRAVELS WITH LITTLE OR NO FINES	GW	WELL GRADED GRAVEL-SAND MIXTURES
			GP	POORLY GRADED GRAVELS, GRAVEL-SAND MIXTURES
		GRAVELS WITH OVER 12% FINES	GM	SILTY GRAVELS, POORLY-GRADED GRAVEL-SAND-SILT MIXTURES
			GC	CLAYEY GRAVELS, POORLY GRADED GRAVEL-SAND-CLAY MIXTURES
	SANDS MORE THAN HALF COARSE FRACTION IS SMALLER THAN No.4 SIEVE SIZE	CLEAN SANDS WITH LITTLE OR NO FINES	SW	WELL GRADED SANDS, GRAVELLY SANDS
			SP	POORLY GRADED SANDS, GRAVELLY SANDS
		SANDS WITH OVER 12% FINES	SM	SILTY SANDS, POORLY GRADED SAND-SILT MIXTURES
			SC	CLAYEY SANDS, POORLY GRADED SAND-CLAY MIXTURES
FINE GRAINED SOILS MORE THAN HALF IS SMALLER THAN No.200 SIEVE	SILTS AND CLAYS LIQUID LIMIT LESS THAN 50		ML	INORGANIC SILTS & VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS, OR CLAYEY SILTS WITH SLIGHT PLASTICITY
			CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, CLEAN CLAYS
			OL	ORGANIC CLAYS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
	SILTS AND CLAYS: LIQUID LIMIT GREATER THAN 50		MH	INORGANIC SILTS, MICACEOUS OR DIATOMACIOUS FINE SANDY OR SILTY SOILS, ELASTIC SILTS
			CH	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS
			OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
HIGHLY ORGANIC SOILS			Pt	PEAT AND OTHER HIGHLY ORGANIC SOILS

EXPLANATION OF BORE LOG SYMBOLS


California Split-spoon Sample


Unrecovered Sample


Standard Penetration Test Sample


Groundwater depth

Note: The stratification lines on the borelogs represent the approximate boundaries between the soil types; the transition may be gradual.

SLADDEN ENGINEERING

BORE LOG

Drill rig:	Mobil B-61	Date Drilled:	8/26/2010
Elevation:	3,600 (MSL)	Boring No:	BH-1

Sample	Blow Counts	Bulk Sample	Expansion Index	% Minus #200	% Moisture	Density, pcf	Depth (Feet)	Graphic Lithology	Description
							2		Silty Sand (SM); yellowish brown, dry to moist, fine- to coarse-grained (Alluvium).
■	14/20/21			25.8	6.0	132.5	6		Silty Sand (SM); yellowish brown, moist, medium dense, fine- to coarse-grained (Alluvium).
■	3/6/12			14.4	4.0		10		Silty Sand (SM); yellowish brown, moist, medium dense, fine- to coarse-grained with carbonate stringers (Alluvium).
■	16/50-5"			26.3	6.4	119.5	16		Silty Sand (SM); yellowish brown, moist, very dense, fine- to coarse-grained (Alluvium).
■	18/21/21			13.1	2.8		20		Silty Sand (SM); yellowish brown, moist, dense, fine- to coarse-grained (Alluvium).
							22		
							24		Terminated at ~21.5 Feet bgs. No Bedrock Encountered. No Groundwater or Seepage Encountered.
							26		
							28		
							30		
							32		
							34		
							36		
							38		
							40		
							42		
							44		
							46		
							48		
							50		

Completion Notes:

SOUTH SIDE COMMUNITY PARK
JOSHUA LANE AND WARREN VISTA, YUCCA VALLEY

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SLADDEN ENGINEERING

BORE LOG

Drill rig:	Mobil B-61	Date Drilled:	8/26/2010
Elevation:	3,600 (MSL)	Boring No:	BH-2

Sample	Blow Counts	Bulk Sample	Expansion Index	% Minus #200	% Moisture	Density, pcf	Depth (Feet)	Graphic Lithology	Description
							0–2		Silty Sand (SM); yellowish brown, dry to moist, fine- to coarse-grained with gravel (Alluvium).
■	6/6/7			19.6	3.5	118.6	2–6		Silty Sand (SM); yellowish brown, moist, loose, fine- to coarse-grained (Alluvium).
■	2/2/2			22.2	4.4		6–10		Silty Sand (SM); yellowish brown, moist, very loose, fine- to coarse-grained (Alluvium).
■	6/9/9			2.7	0.3		10–16		Sand (SP); yellowish brown, dry, medium dense, fine- to coarse-grained (Alluvium).
■	18/26/30			24.6	5.1		16–20		Silty Sand (SM); light yellowish brown, moist, very dense, fine- to coarse-grained with gravel and carbonate stringers (Alluvium).
							20–22		Terminated at ~21.5 Feet bgs. No Bedrock Encountered. No Groundwater or Seepage Encountered.

Completion Notes:

SOUTH SIDE COMMUNITY PARK
JOSHUA LANE AND WARREN VISTA, YUCCA VALLEY

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SLADDEN ENGINEERING

BORE LOG

Drill rig:	Mobil B-61	Date Drilled:	8/26/2010
Elevation:	3,600 (MSL)	Boring No:	BH-3

Sample	Blow Counts	Bulk Sample	Expansion Index	% Minus #200	% Moisture	Density, pcf	Depth (Feet)	Graphic Lithology	Description
							0		Silty Sand (SM); yellowish brown, dry to moist, fine- to coarse-grained with gravel (Alluvium).
	4/5/4			6.4	1.0	112.9	6		Sand (SP); yellowish brown, dry, loose, fine- to coarse-grained with gravel (Alluvium).
	3/3/4			23.3	8.1		10		Silty Sand (SM); yellowish brown, moist, loose, fine- to coarse-grained with gravel (Alluvium).
	6/7/8			5.6	2.3	112.7	16		Sand (SP); yellowish brown, dry, loose, fine- to coarse-grained (Alluvium).
	9/14/16			25.6	10.6		20		Silty Sand (SM); dark yellowish brown, moist, medium dense, fine- to coarse-grained (Alluvium).
							22		Terminated at ~21.5 Feet bgs. No Bedrock Encountered. No Groundwater or Seepage Encountered.

Completion Notes:

SOUTH SIDE COMMUNITY PARK
JOSHUA LANE AND WARREN VISTA, YUCCA VALLEY

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SLADDEN ENGINEERING

BORE LOG

Drill rig:	Mobil B-61	Date Drilled:	8/26/2010
Elevation:	3,600 (MSL)	Boring No:	BH-4

Sample	Blow Counts	Bulk Sample	Expansion Index	% Minus #200	% Moisture	Density, pcf	Depth (Feet)	Graphic Lithology	Description
		1	3				2 4		Silty Sand (SM); yellowish brown, dry to moist, fine- to coarse-grained with gravel (Alluvium).
	5/6/9			8.5	2.7	113.0	6 8		Sand (SP); yellowish brown, dry, loose, fine- to coarse-grained (Alluvium).
	4/8/9			9.9	3.3		10 12 14		Sand (SP); yellowish brown, dry, medium dense, fine- to coarse-grained (Alluvium).
	27/50-5"			17.8	6.7	130.7	16 18 20		Silty Sand (SM); yellowish brown, moist, very dense, fine- to coarse-grained (Alluvium).
	13/17/17			6.6	1.8		22 24		Sand (SP); yellowish brown, dry, dense, fine- to coarse-grained (Alluvium).
	17/22/25			4.3	1.2	119.9	26 28		Sand (SP); yellowish brown, dry, dense, fine- to coarse-grained with gravel (Alluvium).
	17/26/28			23.0	4.5		30 32 34		Silty Sand (SM); yellowish brown, moist, very dense, fine-grained (Alluvium).
	4/19/19			20.5	4.5		36 38		Silty Sand (SM); yellowish brown, moist, dense, fine-grained (Alluvium).
	13/19/21			30.8	6.7		40 42 44		Silty Sand (SM); grayish brown, moist, dense, fine-grained (Alluvium).
	14/15/18			19.9	4.3		46 48		Silty Sand (SM); yellowish brown, moist, dense, fine-grained (Alluvium).
	15/33/30			15.2	2.3		50		Silty Sand (SM); yellowish brown, dry, very dense, fine- to coarse-grained (Alluvium).

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

SOUTH SIDE COMMUNITY PARK
JOSHUA LANE AND WARREN VISTA, YUCCA VALLEY

Project No: 644-10019
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SLADDEN ENGINEERING

BORE LOG

Drill rig:	Mobil B-61	Date Drilled:	8/26/2010
Elevation:	3,600 (MSL)	Boring No:	BH-5

Sample	Blow Counts	Bulk Sample	Expansion Index	% Minus #200	% Moisture	Density, pcf	Depth (Feet)	Graphic Lithology	Description
							2		Silty Sand (SM); yellowish brown, dry to moist, fine- to coarse-grained (Alluvium).
							4		
							6		Terminated at ~5 Feet bgs. No Bedrock Encountered. No Groundwater or Seepage Encountered. Piped to Facilitate Infiltration Testing.
							8		
							10		
							12		
							14		
							16		
							18		
							20		
							22		
							24		
							26		
							28		
							30		
							32		
							34		
							36		
							38		
							40		
							42		
							44		
							46		
							48		
							50		

Completion Notes:

SOUTH SIDE COMMUNITY PARK
JOSHUA LANE AND WARREN VISTA, YUCCA VALLEY

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SLADDEN ENGINEERING

BORE LOG

Drill rig:	Mobil B-61	Date Drilled:	8/26/2010
Elevation:	3,600 (MSL)	Boring No:	BH-6

Sample	Blow Counts	Bulk Sample	Expansion Index	% Minus #200	% Moisture	Density, pcf	Depth (feet)	Graphic Lithology	Description
							0		Silty Sand (SM); yellowish brown, dry to moist, fine- to coarse-grained (Alluvium).
							2		
							4		
							6		Terminated at ~5 Feet bgs. No Bedrock Encountered. No Groundwater or Seepage Encountered. Piped to Facilitate Infiltration Testing.
							8		
							10		
							12		
							14		
							16		
							18		
							20		
							22		
							24		
							26		
							28		
							30		
							32		
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							36		
							38		
							40		
							42		
							44		
							46		
							48		
							50		

Completion Notes:

SOUTH SIDE COMMUNITY PARK
JOSHUA LANE AND WARREN VISTA, YUCCA VALLEY

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BORE LOG

Drill rig:	Mobil B-61	Date Drilled:	8/26/2010
Elevation:	3,600 (MSL)	Boring No:	BH-7

Sample	Blow Counts	Bulk Sample	Expansion Index	% Minus #200	% Moisture	Density, pcf	Depth (Feet)	Graphic Lithology	Description
							2		Silty Sand (SM); yellowish brown, dry to moist, fine- to coarse-grained (Alluvium).
							4		
							6		Terminated at ~5 Feet bgs. No Bedrock Encountered. No Groundwater or Seepage Encountered. Piped to Facilitate Infiltration Testing.
							8		
							10		
							12		
							14		
							16		
							18		
							20		
							22		
							24		
							26		
							28		
							30		
							32		
							34		
							36		
							38		
							40		
							42		
							44		
							46		
							48		
							50		

Completion Notes:

SOUTH SIDE COMMUNITY PARK
JOSHUA LANE AND WARREN VISTA, YUCCA VALLEY

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BORE LOG

Drill rig:	Mobil B-61	Date Drilled:	8/26/2010
Elevation:	3,600 (MSL)	Boring No:	BH-8

Sample	Blow Counts	Bulk Sample	Expansion Index	% Minus #200	% Moisture	Density, pcf	Depth (Feet)	Graphic Lithology	Description
							2		Silty Sand (SM); yellowish brown, dry to moist, fine- to coarse-grained (Alluvium).
							4		
							6		Terminated at ~5 Feet bgs. No Bedrock Encountered. No Groundwater or Seepage Encountered. Piped to Facilitate Infiltration Testing.
							8		
							10		
							12		
							14		
							16		
							18		
							20		
							22		
							24		
							26		
							28		
							30		
							32		
							34		
							36		
							38		
							40		
							42		
							44		
							46		
							48		
							50		

Completion Notes:

SOUTH SIDE COMMUNITY PARK
JOSHUA LANE AND WARREN VISTA, YUCCA VALLEY

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SLADDEN ENGINEERING

BORE LOG

Drill rig:	Mobil B-61	Date Drilled:	8/26/2010
Elevation:	3,600 (MSL)	Boring No:	BH-9

Sample	Blow Counts	Bulk Sample	Expansion Index	% Minus #200	% Moisture	Density, pcf	Depth (Feet)	Graphic Lithology	Description
							0		Silty Sand (SM); yellowish brown, dry to moist, fine- to coarse-grained (Alluvium).
■	3/3/4			17.7	4.5		6		Silty Sand (SM); yellowish brown, moist, loose, fine- to coarse-grained (Alluvium).
■	9/13/16						10		No Recovery
							12		Terminated at ~11.5 Feet bgs. No Bedrock Encountered. No Groundwater or Seepage Encountered.

Completion Notes:

SOUTH SIDE COMMUNITY PARK
JOSHUA LANE AND WARREN VISTA, YUCCA VALLEY

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BORE LOG

Drill rig:	Mobil B-61	Date Drilled:	8/26/2010
Elevation:	3,600 (MSL)	Boring No:	BH-10

Sample	Blow Counts	Bulk Sample	Expansion Index	% Minus #200	% Moisture	Density, pcf	Depth (Feet)	Graphic Lithology	Description
							0		Silty Sand (SM); yellowish brown, moist, fine- to coarse-grained (Alluvium).
■	3/6/9			14.7	3.7		6		Silty Sand (SM); yellowish brown, moist, medium dense, fine- to coarse-grained (Alluvium).
■	6/9/12			22.0	3.9		10		Silty Sand (SM); yellowish brown, moist, medium dense, fine- to coarse-grained (Alluvium).
■	5/5/2			23.9	4.8		16		Silty Sand (SM); yellowish brown, moist, loose, fine- to coarse-grained (Alluvium).
									Terminated at ~16.5 Feet bgs. No Bedrock Encountered. No Groundwater or Seepage Encountered.

Completion Notes:

SOUTH SIDE COMMUNITY PARK
JOSHUA LANE AND WARREN VISTA, YUCCA VALLEY

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SLADDEN ENGINEERING

BORE LOG

Drill rig:	Mobil B-61	Date Drilled:	8/26/2010
Elevation:	3,600 (MSL)	Boring No:	BH-11

Sample	Blow Counts	Bulk Sample	Expansion Index	% Minus #200	% Moisture	Density, pcf	Depth (Feet)	Graphic Lithology	Description
							2		Silty Sand (SM); yellowish brown, dry to moist, fine- to coarse-grained (Alluvium).
■	6/7/8			14.4	2.8		6		Silty Sand (SM); yellowish brown, moist, medium dense, fine- to coarse-grained (Alluvium).
■	10/12/15			13.6	2.7		12		Silty Sand (SM); yellowish brown, moist, medium dense, fine- to coarse-grained (Alluvium).
■	8/8/10			13.7	2.8		16		Silty Sand (SM); yellowish brown, moist, medium dense, fine- to coarse-grained (Alluvium).
							18		Terminated at ~16.5 Feet bgs. No Bedrock Encountered. No Groundwater or Seepage Encountered.
							20		
							22		
							24		
							26		
							28		
							30		
							32		
							34		
							36		
							38		
							40		
							42		
							44		
							46		
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							50		

Completion Notes:

SOUTH SIDE COMMUNITY PARK
JOSHUA LANE AND WARREN VISTA, YUCCA VALLEY

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8/27/10 @ 9:15 AM

County of San Bernardino
Department of Public Health
Division of Environmental Health Services
Water • Wastewater • Land Use • 909 • 387 • 4666

NOTICE OF INTENT TO PERFORM PERCOLATION TESTING

FAX TO (909) 387-4323 or Email to: areed@dph.sbcounty.gov

AT LEAST TWO WORKING DAYS BEFORE TESTING

Firm	Sladden Engineering
Address	45090 Golf Center Parkway, Suite F, Indio, California
Contact	Matthew Cohrt
Phone	951.840.7173
FAX	E-Mail: mcohrt@sladdenengineering.com
Project	Southside Community Park; Town Project No. 8518-409
APNs	
Site Location	NWC Joshua Lane and Warren Vista — Closest Town or City: Yucca Valley
Date(s) of Boring	August 26, 2010
Date(s) of Presoak	August 26, 2010
Date(s) of Testing	August 27, 2010

☐ Single Family Residential	Lot Size		
☐ Multi Family Residential	Number of Units		
	Lot Size		
☐ Tentative Tract / Parcel Map	TT / TPM #	**TT:**	**TPM:**
	Original Lot Size		
	Average New Lot Size		
	Number of New Lots		
	Zoned As		
☐ Commercial / Industrial	Intended Use		
	Special Wastes		
	Estimated Flow		
	Est. Fixture Unit		
	Count		
	Lot Size		

LEACH LINE PERCOLATION DATA SHEET

Project: South Side Community Park
Test Hole: BH-5
Depth of Test Hole: 5 Ft.
Check for Sandy Soil Criteria Tested by: Brad
Actual Percolation Tested by: Brad

Job No: 644-10019
Date Excavated: 8/26/2010
Soil Classification: SM
Date: 8/27/2010
Date: 8/27/2010

Reading Number	Time of Reading	Time Interval Minutes	Total Depth of Hole (ft)	Initial Water Level (in)	Final Water Level (in)	Difference Water Level (in)
A						
B						
1.	12:00	10	5	10	0	10
2.	12:10	10	5	10	0	10
3.	12:20	10	5	10	0	10
4.	12:30	10	5	10	0	10
5.	12:40	10	5	10	0	10
6.	12:50	10	5	10	0	10
7.						
8.						
9.						
10.						
11.						
12.						

LEACH LINE PERCOLATION DATA SHEET

Project: South Side Community Park
Test Hole: BH. 6
Depth of Test Hole: 4.5 Ft
Check for Sandy Soil Criteria Tested by: Brad
Actual Percolation Tested by: Brad

Job No: 644-10019
Date Excavated: 8/26/2010
Soil Classification: SM
Date: 8/27/2010
Date: 8/27/2010

Reading Number	Time of Reading	Time Interval Minutes	Total Depth of Hole (ft)	Initial Water Level (in)	Final Water Level (in)	Difference Water Level (in)
A						
B						
1.	12:02	10	4.5	10	0	10
2.	12:12	10	4.5	10	0	10
3.	12:22	10	4.5	10	0	10
4.	12:32	10	4.5	10	0	10
5.	12:42	10	4.5	10	0	10
6.	12:52	10	4.5	10	0	10
7.						
8.						
9.						
10.						
11.						
12.						

LEACH LINE PERCOLATION DATA SHEET

Project: South Side Community Park
Test Hole: BH-7
Depth of Test Hole: 5 FT
Check for Sandy Soil Criteria Tested by: Brad
Actual Percolation Tested by: Brad

Job No: 644-10019
Date Excavated: 8/26/2010
Soil Classification: SM
Date: 8/27/2010
Date: 8/27/2010

Reading Number	Time of Reading	Time Interval Minutes	Total Depth of Hole (ft)	Initial Water Level (in)	Final Water Level (in)	Difference Water Level (in)
A						
B						
1.	12:04	10	5	10	0	10
2.	12:14	10	5	10	0	10
3.	12:24	10	5	10	0	10
4.	12:34	10	5	10	0	10
5.	12:44	10	5	10	0	10
6.	12:54	10	5	10	0	10
7.						
8.						
9.						
10.						
11.						
12.						

LEACH LINE PERCOLATION DATA SHEET

Project: South Side Community Park
Test Hole: BH-8
Depth of Test Hole: 5 Ft
Check for Sandy Soil Criteria Tested by: Brad
Actual Percolation Tested by: Brad

Job No: 644-10019
Date Excavated: 8/26/2010
Soil Classification: SM
Date: 8/27/2010
Date: 8/27/2010

Reading Number	Time of Reading	Time Interval Minutes	Total Depth of Hole (ft)	Initial Water Level (in)	Final Water Level (in)	Difference Water Level (in)
A						
B						
1.	12:06	10	5	10	0	10
2.	12:16	10	5	10	0	10
3.	12:26	10	5	10	0	10
4.	12:36	10	5	10	0	10
5.	12:46	10	5	10	0	10
6.	12:56	10	5	10	0	10
7.						
8.						
9.						
10.						
11.						
12.						