

INLAND FOUNDATION ENGINEERING, INC.
Consulting Geotechnical Engineers and Geologists
P.O. Box 937, San Jacinto, California 92581

July 13, 2016
IFE Project No. E007-754

EASTERN MUNICIPAL WATER DISTRICT

Attention: David Ahles, Project Manager
P. O. Box 8300
Perris, California 92572-8300

Re: Laboratory Testing – Stockpile (Elevation 1434)
North Trumble Road Recycled Water Ponds Expansion Project
Perris Area, Riverside County, California
Specification No. 1241P

Dear Mr. Ahles:

Transmitted herewith are the results of laboratory testing performed a sample of material obtained by our representative and delivered to our laboratory on June 24, 2016 for testing. The results of our testing are appended.


These test results relate only to the item(s) tested. This report may be reproduced for the purpose of your investigation and report. Partial reproduction of the report is strictly forbidden. The laboratory testing was performed in accordance with the appropriate methodology as well as contemporary principles and practice. We make no other warranty, either express or implied.

We appreciate being of service to you on this project. If you have any questions, please contact our office.

Respectfully,

INLAND FOUNDATION ENGINEERING, INC.


Allen D. Evans, P.E.
R.C.E. 38104/G.E. 2060



ADE:es
Distribution: Addressee

RESULTS OF LABORATORY TESTING

Stockpile - Elevation 1434 - South Center SIEVE ANALYSIS (ASTM D422/D1140)	
U.S. Sieve Size	% Passing
3/8-Inch	100
#4	98
#10	88
#20	73
#40	60
#100	38
#200	27

Stockpile - Elevation 1434 - South Center		
Test	Test Method	Results
Resistivity	ASTM G57	1,722
pH	Caltrans 643	8.1
Chlorides	Caltrans 422	420
Sulfates	Caltrans 417	.07
Maximum Density	ASTM D1557	9% Moisture 132.5 Density
Plasticity Index	ASTM D4318	6
Expansion Index	ASTM D4829	13
Organic Matter Content	ASTM D2974	0.1 %

These test results relate only to the item(s) tested.
This report may not be reproduced, except in full, without the prior written approval of this agency.

INLAND FOUNDATION ENGINEERING, INC.
Consulting Geotechnical Engineers and Geologists
P.O. Box 937, San Jacinto, California 92581

July 15, 2016
IFE Project No. E007-754

EASTERN MUNICIPAL WATER DISTRICT

Attention: David Ahles, Project Manager
P. O. Box 8300
Perris, California 92572-8300

Re: Laboratory Testing – Bedding Sand (Stockpile)
North Trumble Road Recycled Water Ponds Expansion Project
Perris Area, Riverside County, California
Specification No. 1241P

Dear Mr. Ahles:

Transmitted herewith are the results of laboratory testing performed a sample of material obtained by our representative and delivered to our laboratory on July 14, 2016 for testing. The results of our testing are appended.

These test results relate only to the item(s) tested. This report may be reproduced for the purpose of your investigation and report. Partial reproduction of the report is strictly forbidden. The laboratory testing was performed in accordance with the appropriate methodology as well as contemporary principles and practice. We make no other warranty, either express or implied.

We appreciate being of service to you on this project. If you have any questions, please contact our office.

Respectfully,

INLAND FOUNDATION ENGINEERING, INC.


Allen D. Evans, P.E.
R.C.E. 38104/G.E. 2060



ADE:es
Distribution: Addressee

RESULTS OF LABORATORY TESTING

Bedding Sand Stockpile SIEVE ANALYSIS (ASTM C136)	
U.S. Sieve Size	% Passing
3/8-Inch	100
#4	87
#8	68
#16	51
#30	37
#50	27
#100	20
#200	16
Sand Equivalent ASTM D2419	30

These test results relate only to the item(s) tested.
This report may not be reproduced, except in full, without the prior written approval of this agency.