

PROCTOR MAXIMUM DENSITY TEST

Proctor #:	1354	Date:	7/11/2016
		Tested by:	Domingo
Project #:	468-85112	OCA #:	620784
Project:	Sewer Treatment plant wet well	Engineer:	Baalman
Contractor:	Wildcat	Inspector:	MKEC
Location of Soil Sample:	jobsite		
Soil Type:	SILTY SAND	Std or Mod:	Stand
Treatment?:	none		

Dry Wt. Of Sample (g): 2500

TARE WT. (g): 2052
 Factor: 0.033333

	Trial #					
	1	2	3	4	5	6
% Water Added:	12	14	17	0	0	0
CcS Water Added:	300	350	425	0	0	0
Gross Wet Wt (g):	3845.2	3889.5	3860.9	0	0	0
Net Wet Wt (g):	1793.2	1837.5	1808.9			
Net Wet Wt (lbs):	3.9533	4.0509	3.9879			
Lbs/Cu. Ft (WET):	118.6	121.5	119.6			
Lbs/Cu. Ft (DRY):	106.1	108.4	102.7			

	MOISTURE DETERMINATION					
	Trial #					
	1	2	3	4	5	6
Can #:	C	D	A			
Wt. Can + Moist Mat. (g):	332.8	324.3	320.5	0	0	0
Wt. Can + Dry Mat. (g):	320.6	311.7	304.9	0	0	0
Weight of Can (g):	217.3	207.7	210.5	0	0	0
Loss in Moisture (g):	12.2	12.6	15.6			
Dry Weight (NET)(g):	103.3	104	94.4			
% of Moisture:	11.8	12.1	16.5			

Max Dry Density (lb/ft ³):	115
Opt Moisture Content %:	14

CITY OF WICHITA - DEPARTMENT OF PUBLIC WORKS - ENGINEERING DIVISION
MATERIALS LAB

NUCLEAR DENSITY TEST REPORT

PROJECT:

Re-Use Water Supply - Wet Well

DATE: 08/19/16

CONTRACTOR:

Wildcat

PROCTOR DATA

ENGINEER/INSPECTOR:

Baalman/MKEC - Jeff Therrell

PROCTOR #:

SOIL (or MATERIAL) TYPE:

Silty Sandy

MAX. THEO. DENS.: 115.0 pcf

OPT. MOIST. CONT.: 14.0 %

% COMPAC. REQ.: 95 %

TEST #	LOCATION	WET DENSITY	DRY DENSITY	% MOIST.	% THEO. COMPAC.	MOIST. VAR.
1	Northside of Structure	123.6	111.4	11.0	97%	-3.0
2	Eastside of Structure	125.9	116.0	8.5	101%	-5.5
3	Southside of Structure	127.1	115.6	10.0	101%	-4.0
4	Westside of Structure	127.2	114.8	10.8	100%	-3.2
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REMARKS: Tested by Steve Diaz

CITY OF WICHITA - DEPARTMENT OF PUBLIC WORKS - ENGINEERING DIVISION
MATERIALS LAB

NUCLEAR DENSITY TEST REPORT

PROJECT:

Re-Use Water Supply - Wet Well

DATE: 09/07/16

CONTRACTOR:

Wildcat

PROCTOR DATA

ENGINEER/INSPECTOR:

Baalman/MKEC - Jeff Therrell

PROCTOR #:

SOIL (or MATERIAL) TYPE:

Silty Sandy

MAX. THEO. DENS.: 115.0 pcf

OPT. MOIST. CONT.: 14.0 %

% COMPAC. REQ.: 95 %

TEST #	LOCATION	WET DENSITY	DRY DENSITY	% MOIST.	% THEO. COMPAC.	MOIST. VAR.
1	Chlorination Room	124.8	111.0	12.4	97%	-1.6
2	Entrance - Eastside	126.4	113.1	11.7	98%	-2.3
3	Entrance - Westside	124.3	112.1	10.9	97%	-3.1
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REMARKS: Tested by Steve Diaz