

4100 North Powerline Rd. - Suite G-1 Pompano Beach, Florida 33073 Broward (954) 972.7645 (SOIL) - Dade (954) 972.7645 4361 Okeechobee Blvd. - Suite A-5 West Palm Beach, Florida 33409 (954).972.SOIL

FACSIMILE #954-9718872 ESTABLISHED 1981 ETE@BELLSOUTH.NET

### FIELD DENSITY TEST

LABOR	ATORY NUI	MBER: 5002353	_							
	CI	LIENT: MBR CONST	RUCTION							
	PRO	DJECT: SABAL PINE	S PARK - 5	5005 NW 39th AVENUE - C	OCONUT	CREEK, FL	ORIDA			
	JOB ADD	RESS: SABAL PINES	S PARK - 5	5005 NW 39th AVENUE - C	OCONUT	CREEK, FL	ORIDA			
SOIL	DESCRIPTION	ON # 1: GRAY FINE-N	IEDIUM GI	RAINED SAND & LIMESTO	NE FRAG	MENTS				
SOIL	DESCRIPTION	ON # 2:								
	AREAS TE	STED: PROPOSED I	DUGOUT'S	& SIDEWALK						
	PERFORME	D BY: C. MONTGON								
	REPORTE	D TO: 2 CLIENT	ON: OCTOBER 16, 2012							
ROCTO	R VALUE #1	- PCF:	118.0	OPTIMUM MOIS	STURE %		10.1	LAB#	5002251LB	
ROCTO	R VALUE #2	- PCF:		OPTIMUM MOIS	STURE %			LAB#		
ESUL	TS OF T	ESTS:								
TEST#	LIFT#	TE	ST LOCAT	IONS	PROBE INCHES	MOISTURE PERCENT	DRY DENSITY PCF	% FIELD COMPACTION	PERCENT REQUIRED	
1	FINAL	CENTER OF PAD - T	BALL DU	GOUT	12	9.6	116.3	98.6	98	
2	FINAL	CENTER OF PAD - T	BALL DU	GOUT	12	8.1	117.7	99.7	98	
3	FINAL	CENTER OF PAD - B	-BALL FIE	LD DUGOUT	12	9.4	116.9	99.1	98	
4	FINAL	CENTER OF PAD - B	-BALL FIE	LD DUGOUT	12	9.9	116.6	98.8	98	
5	FINAL CENTER OF PAD - T-BALL DUGOUT  FINAL CENTER OF PAD - B-BALL FIELD DU  FINAL CENTER OF PAD - B-BALL FIELD DU			BALL FIELD	12	8.0	117.3	99.4	98	
6	FINAL	NORTH END - SIDEV	VALK @ B-	BALL FIELD	12	8.3	116.9	99.1	98	

CONCLUSION: THE ABOVE TEST RESULTS DO COMPLY WITH PROJECT SPECIFICATIONS UNLESS NOTED \*\*

BF: BACKFILL S: SUBGRADE BC: BASE COURSE NG: NATURAL GROUND
F: FOOTING CP: COLUMN PAD BG: BELOW GRADE FG: FINAL GRADE OTHER:

NOTE: STANDARDS FOR METHOD OF TEST: ASTM D2922

RESPECTFULLY SUBMITTED, EASTCOAST TESTING & ENGINEERING, INC., CERTIFICATE OF AUTHORIZATION #3425

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ETIENNE PROPHETE, V.P., P.E. STATE OF FLORIDA #44316



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FACSIMILE #954-9718872 **ESTABLISHED 1981** 

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## FIELD DENSITY TEST

	C	LIENT:	MBR CONST	RUCTION							
	PRO	JECT:	SABAL PINES	S PARK - 5	005 NW 39	th AVENUE - CO	OCONUT	CREEK, FL	ORIDA	Salahiyi Guri Gar	
	JOB ADD	RESS:	SABAL PINES	S PARK - 5	005 NW 39	th AVENUE - CO	OCONUT	CREEK, FL	ORIDA		
SOIL						AND & LIMESTO					
SOIL	DESCRIPTION	ON # 2:									
	AREAS TE	STED:	COVERED W	ALKWAY &	& SIDEWA	LK -FINAL PAD					
	PERFORME	D BY:	C. MONTGON	IERY				ON:	NOVEMBER	13, 2012	
	REPORTE	D TO:	2 CLIENT					ON:	NOVEMBER	14, 2012	
ROCTO	R VALUE #1	- PCF:		118.0		OPTIMUM MOIS	TURE %		10.1	LAB#	5002251LE
ROCTO	R VALUE #2	- PCF:				OPTIMUM MOIS	TURE %			LAB#	
≀ESUI	TS OF T	ESTS	<u>}:</u>								
							PROBE	MOISTURE	DRY DENSITY	% FIELD	PERCENT
TEST#	LIFT#	1	TE	ST LOCAT	ONS		INCHES	PERCENT	PCF	COMPACTION	REQUIRED
1201 #	LII 1 II		,_,	or Loom	70110		MONEO	LNOLW		COMPACTION	TL GOMEL
1	FINAL	CENTE	R OF PAD - W. O	OVERED V	VALKWAY -	T-BALL FIELD	12	9.8	116.3	98.6	98
2	FINAL	CENTE	ER OF SIDEWA	ALK - T-BA	LL FIELD		12	10.0	116.1	98.4	98
3	FINAL	CENTE	R OF PAD - S. C	OVERED W	ALKWAY -	T-BALL FIELD	12	10.4	116.6	98.8	98
4	FINAL	CENTE	R OF PAD - E	. COVERE	D WALKW	AY - BB FIELD	12	9.9	116.3	98.6	98
5	FINAL	CENTE	ER OF PAD - S	. COVERE	D WALKW	AY - BB FIELD	12	10.6	115.9	98.2	98
	Ì										
		Î									
							-				
-											
				-1-72							
ONCLUS	ION: THE ABO	OVE TES	ST RESULTS DO	COMPLYV	VITH PROJE	CT SPECIFICATIO	ONS UNLES	SS NOTED *			

CP: COLUMN PAD NOTE: STANDARDS FOR METHOD OF TEST: ASTM D2922

S: SUBGRADE

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ETIENNE PROPHETE, V.P., P.E. STATE OF FLORIDA #44316

BF: BACKFILL

F: FOOTING

CRAIG S. SMITH, PRESIDENT

NG: NATURAL GROUND

OTHER:

FG: FINAL GRADE

BC: BASE COURSE

**BG: BELOW GRADE** 



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FACSIMILE #954-9718872 ESTABLISHED 1981

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## FIELD DENSITY TEST

LABORATORY NUMBER: 5002077

CLIENT: MBR CONSTRUCTION

PROJECT: SABAL PINES PARK - COCONUT CREEK, FLORIDA

JOB ADDRESS: 5005 NW 39th AVENUE - COCONUT CREEK, FLORIDA

SOIL DESCRIPTION # 1: PALE BROWN FINE-MEDIUM GRAINED QUARTZ SAND

**SOIL DESCRIPTION # 2:** 

AREAS TESTED: PIPE BACKFILL - 18" DRAINAGE

PERFORMED BY: C. MONTGOMERY

REPORTED TO: 2 CLIENT

ON: AUGUST 24, 2012

ON: AUGUST 27, 2012

PROCTOR VALUE #1 - PCF:	103.2	OPTIMUM MOISTURE %	13.3	LAB#	5001542P1
PROCTOR VALUE #2 - PCF:		OPTIMUM MOISTURE %		LAB#	

#### RESULTS OF TESTS:

NEGGE	.13 01 1	2010.						
TEST#	LIFT#	TEST	LOCATIONS	PROBE INCHES	MOISTURE PERCENT	DRY DENSITY PCF	% FIELD COMPACTION	PERCENT REQUIRED
1	ELEV 11.75	10' EAST OF THE EXISTIN	G CATCH BASIN @ BB FIELD	12	11.8	102.4	99.2	98
2	ELEV 11.75	50' EAST OF THE EXISTIN	G CATCH BASIN @ BB FIELD	12	10.2	102.0	98.8	98
3	ELEV 11.75	10' WEST OF CATCH BAS	IN #2 @ BB FIELD	12	10.6	102.3	99.1	98
			Bud Co. The control of the control o					
						4		
							, a	
-			2					
*								
CONCLUS	ION: THE ABO	DVE TEST RESULTS DO CO	OMPLY WITH PROJECT SPECIFICAT	TIONS UNLES	SS NOTED **			
BF: BACK	FILL	S: SUBGRADE	BC: BASE COURSE		NG: NATU	RAL GROUND		
E. FOOTIN	G	CP: COLUMN PAD	BG: BELOW GRADE		FG: FINAL	GRADE	OTHER:	

NOTE: STANDARDS FOR METHOD OF TEST: ASTM D2922

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FACSIMILE #954-9718872 ESTABLISHED 1981 ETE@BELLSOUTH.NET

		PROCTOR	COMPA	CTION TEST				
PERMIT #	N/A		£3)	LABORATORY#: 5	5002077P			
CLIENT:		MBR CONSTRUCTIO	N ACCE MAY	COCONUT CREEK E	LORIDA			
PROJECT:		SABAL PINES PARK	@ 5005 NW	39th AVENUE - COCONUT CREEK, F	LORIBA			
JOB ADDRESS:		5005 NW 39th AVENU	JE - COCON	UT CREEK, FLORIDA				
DATE:		AUGUST 27,2012	311	HOUGT 24 2042				
SAMPLED BY:		COREY M.	ON: A	AUGUST 24, 2012				
TESTED BY:		C. SMITH	ON: A	AUGUST 24, 2012				
SAMPLE DESC	RIPTION:	PALE BROWN-BROW	VN FINE GR	AINED QUARTZ SAND				
SAMPLE LOCA	TION:	PIPE BACKFILL MAT	ERIAL - 18	DRAINAGE				
DECULTS (	OF TEST.	THE FOLLOWING	PROCTOR	TEST WAS PERFORMED IN				
RESULTS OF TEST: THE FOLLOWING PROCTOR TEST WAS PERFORMED IN  ACCORDANCE WITH ASTM DESIGNATION D1557 USING A								
10 POUND RAMMER AND AN 18 INCH DROP: AASHTO T-180								
		10 POUND RAWWE	R AND AN	DRY	DENSITY			
					CUBIC FT			
PERCENT M	IOISTURE	WET	DENSITY - I	OCF EDS	JOODIO!!			
	I = 0		103.3		97.8220			
POINT #1	5.6		107.3		99.8140			
POINT #2	7.5		112.1		102.5618			
POINT #3	9.3		116.9		103.1774			
POINT #4	13.3	AND DESCRIPTION OF THE PARTY OF	116.3		100.8673			
POINT #5	15.3		110.0					
MAYIN	ALIM DRY	DENSITY PCF:		103.2 SPECIFIC GRAVITY:	N/A			
		CONTENT %:		13.3 SOIL CLASSIFICATION:	A-3			
NOTES:REM		PIPE BACKFILL MA	TERIAL - 18	DRAINAGE				
NOTES.REIVI	AINO.	THE BAOK ILL III.			VCTC			
				PROCTOR ANAL				
RESPECTFU	ILLY SUBI	MITTED,		ASTM DES. D-1557 ME	1			
EASTCOAST	TESTING	& ENGINEERING	i INC.,	104	118			
CERTIFICATE	OF AUTHOR	IZATION #3425		Ög 103	115			
				102	112			
ETIENNE PE	ELL PROPHETE, V.P., P.E.			101				
STATE OF F	LORIDA #	44316		100 DE N. 2001	109			
01	,,				106			
Mitt				98 97 5.6 7.5 9.3 13.3 MOISTURE CONTENT				
CRAIG SMIT	H, PRESIL	DENT		MOISTURE CONTENT	· 8			
				PCF DRY DENSITY - WET DENS	SITY -			
II .								



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ON: SEPTEMBER 04, 2012

FACSIMILE #954-9718872 ESTABLISHED 1981 ETE@BELLSOUTH.NET

## FIELD DENSITY TEST

LABORATORY NUMBER: 5002135

CLIENT: MBR CONSTRUCTION

PROJECT: SABAL PINES PARK - COCONUT CREEK, FLORIDA

JOB ADDRESS: 5005 NW 39th AVENUE - COCONUT CREEK, FLORIDA

SOIL DESCRIPTION # 1: BROWN FINE-MEDIUM GRAINED SAND SOME LIMESTONE FRAGMENTS LITTLE SILT, (NP)

**SOIL DESCRIPTION #2:** 

AREAS TESTED: PIPE BACKFILL - 18" DRAINAGE

PERFORMED BY: C. MONTGOMERY ON: AUGUST 30, 2012

REPORTED TO: 2 CLIENT

 PROCTOR VALUE #1 - PCF:
 113.7
 OPTIMUM MOISTURE %
 11.7
 LAB #
 5002135P

 PROCTOR VALUE #2 - PCF:
 OPTIMUM MOISTURE %
 LAB #

#### RESULTS OF TESTS:

TEST#	LIFT#	TEST LOCATIONS	PROBE INCHES	MOISTURE PERCENT	DRY DENSITY PCF	% FIELD COMPACTION	PERCENT REQUIRED
1	ELEV 12.00	20' EAST OF C.B. #3 @ TRENCH LINE - BASE BALL FIELD	12	9.8	112.2	98.7	98
2	ELEV 12.00	65' NORTH OF C.B. #3 @ TRENCH LINE - BASE BALL FIELD	12	10.2	111.5	98.1	98
3	ELEV 13.00	10' SOUTH OF C.B. #1 @ TRENCH LINE - BASE BALL FIELD	12	10.8	111.9	98.4	98
4	ELEV 13.00	CENTER - BETWEEN EXISTING C.B. & C.B. #2	12	10.6	111.7	98.2	98
						***************************************	
V-410-11-11-11V						<b>-</b>	
CONCLUS	ON: THE ABO	OVE TEST RESULTS DO COMPLY WITH PROJECT SPECIFICATI	ONS UNLES	SS NOTED *	*		
BE- BACK	=11 1	S: SUBGRADE BC: BASE COURSE		NC. NATII	RAI GROUND		

BF: BACKFILL S: SUBGRADE BC: BASE COURSE NG: NATURAL GROUND
F: FOOTING CP: COLUMN PAD BG: BELOW GRADE FG: FINAL GRADE OTHER:

NOTE: STANDARDS FOR METHOD OF TEST: ASTM D2922

RESPECTFULLY SUBMITTED, EASTCOAST TESTING & ENGINEERING, INC., CERTIFICATE OF AUTHORIZATION #3425

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		PROCTOR	COMPA	PROCTOR COMPACTION TEST									
PERMIT#	N/A												
CLIENT:		MBR CONSTRUCTION		LABORATORY #: 5002135P									
PROJECT:		SABAL PINES PARK	@ 5005 NW	/ 39th AVENUE - COCONUT CREEK, FLORIDA									
JOB ADDRESS	•		UE - COCON	NUT CREEK, FLORIDA									
DATE:		AUGUST 31,2012											
SAMPLED BY:		COREY M.		AUGUST 30, 2012									
TESTED BY:		C. SMITH		AUGUST 31, 2012									
SAMPLE DESC				AND SOME LIMESTONE FRAGMENTS TRACE SILT									
SAMPLE LOCA	TION:	PIPE BACKFILL MA	TERIAL - 18"	DRAINAGE									
RESULTS	OF TEST:	THE FOLLOWING	PROCTOR	TEST WAS PERFORMED IN									
	modernes sections and account of			DESIGNATION D1557 USING A									
				18 INCH DROP: AASHTO T-180									
				DRY DENSITY									
PERCENT M	IOISTURE	WET	DENSITY - I	PCF LBS/CUBIC FT									
POINT #1	5.6		115.6	109.4697									
POINT #2	8.3		119.7	110.5263									
POINT #3	10.1		123.4	112.0799									
POINT #4	11.7		127.0	113.6974									
POINT #5	13.9		126.3	110.8867									
BE A SVIB	allea DDV F	SENOITY DOE		A40.7									
		DENSITY PCF:		113.7 SPECIFIC GRAVITY: N/A									
OPTIMUM N	Colore of the second of the se	CONTENT %:		11.7 SOIL CLASSIFICATION: A-3									
NOTES:REM	ARKS:	PIPE BACKFILL MA	TERIAL - 18'	" DRAINAGE									
				PROCTOR ANALYSIS									
RESPECTFU	LLY SUBIV	IITTED,		ASTM DES. D-1557 METHOD C									
EASTCOAST	TESTING	& ENGINEERING	INC.,	. 114									
CERTIFICATE O			<u>.</u>	127									
CZ.		LATION NOTED											
		/D DE		112									
ETIENNE PR		The same of the sa		111 112 124 121 121 121 121 121 121 121									
STATE OF FL	LORIDA #4	4316											
Necel				110 109 5.6 8.3 10.1 11.7 13.9 115 MOISTURE CONTENT %									
MATTH		Part I par		5.6 8.3 10.1 11.7 13.9 115									
CRAIG SMITI	H, PRESID	ENI		MOISTURE CONTENT %									
				DRY DENSITY - WET DENSITY -									



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Broward (954) 972.7645 (SOIL) - Dade (954) 972.7645

FACSIMILE #954-9718872 **ESTABLISHED 1981** ETE@BELLSOUTH.NET

## FIELD DENSITY TEST

LABORATORY NUMBER: 5002251 CLIENT: MBR CONSTRUCTION PROJECT: SABAL PINES PARK - NW 39th AVENUE - COCONUT CREEK, FLORIDA JOB ADDRESS: SABAL PINES PARK - NW 39th AVENUE - COCONUT CREEK, FLORIDA SOIL DESCRIPTION # 1: GRAY FINE-MEDIUM GRAINED SAND & LIMESTONE FRAGMENTS **SOIL DESCRIPTION # 2:** AREAS TESTED: PROPOSED GRASS PARKING LOT - SUBGRADE PERFORMED BY: C. MONTGOMERY ON: SEPTEMBER 24, 2012 REPORTED TO: 2 CLIENT ON: OCTOBER 01, 2012

PROCTOR VALUE #1 - PCF:	118.0	OPTIMUM MOISTURE %	10.1	LAB#	5002251LB
PROCTOR VALUE #2 - PCF:		OPTIMUM MOISTURE %		LAB#	

#### RESULTS OF TESTS:

NEGGE	1001	2010.						
TEST#	LIFT#	TEST L	OCATIONS	PROBE INCHES	MOISTURE PERCENT	DRY DENSITY PCF	% FIELD COMPACTION	PERCENT REQUIRED
1	SG	NORTH END - PROPOSE	D PARKING LOT	12	9.4	116.7	98.9	98
2	SG	CENTER - PROPOSED P	ARKING LOT	12	10.1	115.9	98.2	98
3	SG	SOUTH END - PROPOSE	12	10.7	116.2	98.5	98	
			· ·					
CONCLUSI	ON: THE AB	OVE TEST RESULTS DO COI	MPLY WITH PROJECT SPECIFI	CATIONS UNLES	S NOTED **			
BF: BACKF	Automatica Company	S: SUBGRADE	BC: BASE COURSE			RAL GROUND		
F: FOOTING	}	CP: COLUMN PAD	BG: BELOW GRADE		FG: FINAL	GRADE	OTHER:	

NOTE: STANDARDS FOR METHOD OF TEST: ASTM D2922

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## FIELD DENSITY TEST

LABOR	ATORY NUI	/IBER:	5002296								
SOIL	PRO JOB ADDI DESCRIPTIO DESCRIPTIO AREAS TE: PERFORME REPORTE	DJECT: RESS: DN # 1: DN # 2: STED: D BY: D TO:	PROPOSED OF C. MONTGOM	S PARK - I S PARK - I N LIMESTO GRASS PA MERY	NW 39th AN ONE FRAG ARKING LO	VENUE - COCON VENUE - COCON GMENTS LITTLE OT - BASE COUR	IUT CREE FINE-MEL	K, FLORID DIUM GRAII ON:	A NED SAND OCTOBER 02 OCTOBER 02	2, 2012	
THE REAL PROPERTY.	R VALUE #1	C Desirement	Company of the Compan	132.3		OPTIMUM MOIS			8.5	LAB#	5002296P
	R VALUE #2	-	The second secon		e fall of the fall	OPTIMUM MOIS	TURE %			LAB#	l
<u>RESUL</u>	TS OF T	<u>ESTS</u>	<u>}:</u>						46		
TEST#	LIFT#		TE:	ST LOCAT	TIONS		PROBE INCHES	MOISTURE PERCENT	DRY DENSITY PCF	% FIELD COMPACTION	PERCENT REQUIRED
1	ВС	NORT	H END - PARK	ING LOT			6	8.7	130.4	98.6	98
2	ВС	CENTE	ER - PARKING	LOT			6	8.3	130.0	98.3	98
3	BC	SOUTI	H END - PARK	ING LOT			6	9.8	130.9	98.9	98
- 1											
		7/									
ie.							210 101 7	O NOTES **			
	and the same of th			COMPLY		ECT SPECIFICATIO	ONS UNLES		RAL GROUND		
BF: BACKI F: FOOTIN			GRADE LUMN PAD		BC: BASE			FG: FINAL		OTHER:	
						1.000 square (0.5000 to 10.00)					

NOTE: STANDARDS FOR METHOD OF TEST: ASTM D2922

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		PROCTOR	COMPA	CTION TEST					
PERMIT#	N/A				5002296P				
CLIENT:		MBR CONSTRUCTIO	N	39th AVENUE - COCONUT CREEK, I	LORIDA				
PROJECT:		SABAL PINES PARK	@ 5005 NW	UT CREEK, FLORIDA					
JOB ADDRESS:		5005 NW 39th AVENU	JE - COCON	UI CREEK, FLORIDA					
DATE:		OCTOBER 02, 2012	ON: C	OCTOBER 01, 2012					
SAMPLED BY:		COREY M.	ONL 7	OCTODED 02 2012					
TESTED BY:		C. SMITH	STONE FRAGMENTS LITTLE FINE-MEDIUM GRAINED SAND						
SAMPLE DESCR		BASE COURSE MAT	FRIAL - PAR	KING LOT					
SAMPLE LOCA									
RESULTS (	OF TEST:	THE FOLLOWING I	PROCTOR	TEST WAS PERFORMED IN	-				
1,2002.0	ACCORDANCE WITH ASTM DESIGNATION D1557 USING A								
40 DOLIND RAMMER AND AN 18 INCH DROP: AASHTO T-180									
DRY DENSITY									
PERCENT M	OISTURE	WET	DENSITY - I	PCF LBS	CUBIC FT				
	F 2		132.8		126.1159				
POINT #1	5.3		136.7		128.4774				
POINT #2	6.4		140.9		130.9480				
POINT #3	7.6		143.5		132.2581				
POINT #4	8.5 10.3		142.6		129.2838				
POINT #5	10.3		1,210						
MAXIN	IIIM DRY I	DENSITY PCF:		132.3 SPECIFIC GRAVITY:	N/A				
OPTIMILM	JOISTURE	CONTENT %:		8.5 SOIL CLASSIFICATION:	A-1-a				
NOTES:REM		BASE COURSE MAT	TERIAL - PA	RKING LOT					
110129111				PROCTOR ANAI	YSIS				
RESPECTFU	II I V SUBI	MITTED.	i.	ASTM DES. D-1557 ME					
EASTCOAS	T TESTING	& ENGINEERING	inc.,	. 133	144				
CERTIFICATE	OF AUTHOR	IZATION #3425		Ö 132					
En Or	<b>∼</b> .			131	141				
ETITAINE DE	ODUETE	VD DF	•	H 130	138				
CTATE OF F	ETIENNE PROPHETE, V.P., P.E. STATE OF FLORIDA #44316			E 128					
STATE OF F	LUNIUA T	77010			135				
Cherry			_	126 125 5.3 6.4 7.6 8. MOISTURE CONTENT	5 10.3 132				
CRAIG SMIT	H, PRESIL	DENT	•	MOISTURE CONTENT					
r <sup>2</sup>				DRY DENSITY - WET DEN	ISITY -				
11									



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FACSIMILE #954-9718872 ESTABLISHED 1981 ETE@BELLSOUTH.NET

## FIELD DENSITY TEST

LABORATORY NUMBER: 5002312

CLIENT: MBR CONSTRUCTION

PROJECT: SABAL PINES PARK - NW 39th AVENUE - COCONUT CREEK, FLORIDA

JOB ADDRESS: SABAL PINES PARK - NW 39th AVENUE - COCONUT CREEK, FLORIDA

SOIL DESCRIPTION # 1: BROWN FINE-MEDIUM GRAINED SAND SOME LIMESTONE FRAGMENTS TRACE SILT

**SOIL DESCRIPTION # 2:** 

AREAS TESTED: 1st LIFT - FILL MATERIAL - PLAYING FIELDS

PERFORMED BY: C. MONTGOMERY

REPORTED TO: 2 CLIENT

ON: OCTOBER 04, 2012 ON: OCTOBER 05, 2012

PROCTOR VALUE #1 - PCF:	113.7	OPTIMUM MOISTURE %	11.7	LAB#	5002135P
PROCTOR VALUE #2 - PCF:		OPTIMUM MOISTURE %		LAB#	

#### RESULTS OF TESTS:

TEST#	LIFT #	TEST LOCATIONS	PROBE INCHES	MOISTURE PERCENT	DRY DENSITY PCF	2012/2016/2016 Feb.	PERCENT REQUIRED
1	1st	NE CORNER - BASE BALL FIELD	12	9.6	112.2	98.7	98
2	1st	SW CORNER - BASE BALL FIELD	12	10.1	112.4	98.9	98
3	1st	NW CORNER - SOCCER / FOOTBALL FIELD	12	10.8	112.1	98.6	98
4	1st	SE CORNER - SOCCER / FOOTBALL FIELD	12	9.0	112.5	98.9	98
5	1st	SW CORNER - T-BALL FIELD	12	9.5	111.9	98.4	98
6	1st	NE CORNER - T-BALL FIELD	12	10.2	111.7	98.2	98
CONCLUS	ON. THE AD	NE TEST RESULTS DO COMPLY MITH DRO JECT SPECIFICATION				·	

CONCLUSION: THE ABOVE TEST RESULTS DO COMPLY WITH PROJECT SPECIFICATIONS UNLESS NOTED \*\*

BF: BACKFILL S: SUBGRADE BC: BASE COURSE NG: NATURAL GROUND F: FOOTING CP: COLUMN PAD **BG: BELOW GRADE** FG: FINAL GRADE OTHER:

NOTE: STANDARDS FOR METHOD OF TEST: ASTM D2922

RESPECTFULLY SUBMITTED. EASTCOAST TESTING & ENGINEERING, INC., **CERTIFICATE OF AUTHORIZATION #3425** 

EL Ders

ETIENNE PROPHETE, V.P., P.E. STATE OF FLORIDA #44316



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FACSIMILE #954-9718872 ESTABLISHED 1981 ETE@BELLSOUTH.NET

## FIELD DENSITY TEST

LABORATORY NUMBER:	5002318	
CLIENT:	MBR CONSTRUCTION	
PROJECT:	SABAL PINES PARK - 5005 NW 39th AVENUE - COCC	ONUT CREEK, FLORIDA
JOB ADDRESS:	SABAL PINES PARK - 5005 NW 39th AVENUE - COCC	ONUT CREEK, FLORIDA
SOIL DESCRIPTION # 1:	BROWN FINE-MEDIUM GRAINED SAND SOME LIMES	STONE FRAGMENTS TRACE SILT
	PALE BROWN LIMESTONE FRAGMENTS	
AREAS TESTED:	PROPOSED SIDEWALK & PARKING LOT - FINAL / BA	ASE COURSE
PERFORMED BY:	C. MONTGOMERY	ON: OCTOBER 08, 2012
REPORTED TO:	2 CLIENT	ON: OCTOBER 09, 2012

PROCTOR VALUE #1 - PCF:	113.7	OPTIMUM MOISTURE %	11.7	LAB#	5002135P
PROCTOR VALUE #2 - PCF:	132.3	OPTIMUM MOISTURE %	8.5	LAB#	5002296P

#### RESULTS OF TESTS:

TEST#	LIFT#	TEST LOCATIONS	PROBE INCHES	MOISTURE PERCENT	DRY DENSITY PCF	% FIELD COMPACTION	PERCENT REQUIRED
1	FINAL	10' S. OF WEST DUGOUT - SIDEWALK	12	9.0	114.4	100.6	98
2	FINAL	10' W. OF SOUTH DUGOUT - SIDEWALK	12	10.7	113.9	100.2	98
3	BC	NORTH END - PARKING LOT	6	9.5	131.6	99.5	98
4	ВС	SOUTH END - PARKING LOT	6	8.3	132.1	99.8	98
				ļ		<u> </u>	
				<del>                                     </del>			
-							
CONCLUS	ION: THE AR	OVE TEST RESULTS DO COMPLY WITH PROJECT SPECIFIC	ATIONS UNLE	SS NOTED *	*		

CONCLUSION: THE ABOVE TEST RESULTS DO COMPLY WITH PROJECT SPECIFICATIONS UNLESS NOTED \*\*

BF: BACKFILL S: SUBGRADE BC: BASE COURSE NG: NATURAL GROUND

F: FOOTING CP: COLUMN PAD BG: BELOW GRADE FG: FINAL GRADE OTHER:

NOTE: STANDARDS FOR METHOD OF TEST: ASTM D2922

RESPECTFULLY SUBMITTED, EASTCOAST TESTING & ENGINEERING, INC., CERTIFICATE OF AUTHORIZATION #3425

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4100 North Powerline Rd., Suite G-1
Pompano Beach, Florida 33073
Office (954) 972-7645 Facsimile #954-971-8872

**ESTABLISHED 1981** 

## FIELD DENSITY TEST

LABORATORY NUMBER:	5002596		
CLIENT:	MBR CONSTRUCTION		
PROJECT	SABAL PINES PARK		
JOB ADDRESS:	SABAL PINES PARK - 5005 NW 39	th AVENUE - COCONUT CREEK, F	LORIDA
SOIL DESCRIPTION # 1:	GRAY FINE-MEDIUM GRAINED SA	AND & LIMESTONE FRAGMENTS	
SOIL DESCRIPTION # 2			
AREAS TESTED:	SIDEWALK -FINAL "FORMED" PA	AD.	
PERFORMED BY:	C. MONTGOMERY	ON	: NOVEMBER 30, 2012
REPORTED TO:	2 CLIENT	ON	DECEMBER 03, 2012
100 Miles (100 Miles (			

PROCTOR VALUE #1 - PCF:	120	OPTIMUM MOISTURE %	10.4	LAB#	5001370PI
PROCTOR VALUE #2 - PCF:		OPTIMUM MOISTURE %		LAB#	

#### **RESULTS OF TESTS:**

TEST#	LIFT#	TEST LOCATIONS		PROBE INCHES	MOISTURE PERCENT	DRY DENSITY PCF	% FIELD COMPACTION	PERCENT REQUIRED
1	FINAL	"EXTERIOR" SIDEWALK E. END		12	9.5	118.7	98.9	98
2	FINAL	"EXTERIOR" SIDEWALK CENTER		12	8.3	119.1	99.3	98
3	FINAL	"EXTERIOR" SIDEWALK W. END		12	9.9	118.4	98.7	98
4	FINAL	"INTERIOR" SIDEWALK, SE CORNER OF BB FIEL	.D	12	8.7	118.2	98.5	98
				No.				
CONCLUS	ION: THE ABO	OVE TEST RESULTS DO COMPLY WITH PROJECT SPECI	FICATIO	ONS UNLES	S NOTED *	*		
BF: BACKE	FILL	S: SUBGRADE BC: BASE COURSE			NG: NATUR	RAL GROUND		4
F: FOOTIN	G	CP: COLUMN PAD BG: BELOW GRADE			FG: FINAL	GRADE	OTHER:	

NOTE: STANDARDS FOR METHOD OF TEST: ASTM D2922

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## **TEST REPORT OF: LIMEROCK BEARING RATIO/PROCTOR ANALYSIS**

Water and the same						
LABORATORY#	5002251C		•		ORDER#	5002251
CLIENT FAX #:	N/A				CLIENT#	
CLIENT:	MBR CONSTRUCTIO					
PROJECT:	SABAL PINES PARK	- NW 39th A	VENUE - C	COCONUT CRE	EK, FLOR	IDA
FDOT PIT #	N/F					
CONTRACTOR:	MBR CONSTRUCTIO					
TEST LOCATIONS:	SAMPLE #1			ZED SUBGRAL	DE MATER	IAL
		PARKING I	LOT	- A SEWHANA		
CAMDI E DECODIDATO	N. ODAY EINE MEDII	W OBAINE	S AAAIIS O	LIMPATANCE	A COLUMN	
SAMPLE DESCRIPTIO CARBONATE TESTED		JW GRAINEL			RAGMENT	S
SAMPLED BY:	C. MONTGOMERY		ON:	N/A	04 0040	
SAIVIPLED BY:	C. WONTGOWERY		ON:	SEPTEMBER :	24, 2012	
RESULTS OF TH	EST	DEDODTE	TO 1 (	OLIENT ON 40"	04/0040	
INCOULTO OF TH	_01	REPORTEL	) 10-3-0	CLIENT ON 10/0	01/2012	
LIMEROCK	Lucy and any and and			LODZINA	T	Inno Inom
	MAXIMUM DRY DENSITY			OPTIMUM	LBR	PROJECT
BEARING RATIO	POUNDS/CU.FT			MOISTURE%	VALUE-%	SPECS
SAMPLE#1	118.0			10.1	56	40 MIN.
SAMPLE#2						
SAMPLE#3	· ·					
CALCIUM CARBON	NATES				***	
	%SILICA IRON &		%CAL	CIUM & MAGNE	SIUM	PROJECT
N N	ALUMAUM OVIDEO		0	NDDONATEO		00500
	ALUMINUM OXIDES		C.F	ARBONATES	101 1000	SPECS
SAMPLE#1	N/A			N/A		N/A
SAMPLE#2	IWA	-		INIPA		IN/A
SAMPLE#3						
NOTES/REMARKS:				- Available - Section - Se		***************************************
TEST STANDARDS: FM5-515 FM5-5	14					
RESPECTFULLY SU	BMITTED.					
EASTCOAST TESTIN	The property of the control of the c	INC				

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### LIMEROCK BEARING RATIO

CLIENT: MBR CONSTRUCTION

LAB #5002251LB

PAGE #2

TEST LOCATION: PIT#: N/A

SABAL PINES PARK - PROPOSED STABILIZED SUBGRADE MATERIAL - PARKING LOT SAMPLE DESCRIPTION: GRAY FINE-MEDIUM GRAINED SAND & LIMESTONE FRAGMENTS

SAMPLE DATE:

SEPTEMBER 24, 2012

BY: C.M.

DATE COMPACTED: SEPTEMBER 26, 2012

BY: C. SMITH

DATE TESTED:

SEPTEMBER 28, 2012 CO3 TESTED: N/A

	POINT	#1	POIN	T #2	POINT	#3
PENETRATION	TOTAL L	OAD	TOTAL	LOAD	TOTAL L	OAD
INCHES	LBS	PSI	LBS	PSI	LBS	PSI
0	15	5.0	15	5.0	15	5.0
0.010	34	11.3	43	14.3	28	9.3
0.020	73	24.3	73	24.3	62	20.7
0.030	113	37.7	124	41.3	97	32.3
0.040	163	54.3	200	66.7	150	50.0
0.050	240	80.0	295	98.3	211	70.3
0.060	341	113.7	448	149.3	306	102.0
0.070	440	146.7	572	190.7	400	133.3
0.080	550	183.3	709	236.3	492	164.0
0.090	669	223.0	859	286.3	593	197.7
0.100	785	261.7	1004	334.7	690	230.0
0.110	897	299.0	1144	381.3	785	261.7
0.120	998	332.7	1267	422.3	870	290.0
0.130	1095	365.0	1391	463.7	948	316.0
0.140	1176	392.0	1491	497.0	1013	337.7
0.150	1249	416.3	1583	527.7	1074	358.0
0.160	1304	434.7	1660	553.3	1120	373.3
0.170	1357	452.3	1728	576.0	1165	388.3
0.180	1389	463.0	1768	589.3	1186	395.3
0.190	1399	466.3	1790	596.7	1195	398.3
0.200	1411	470.3	1805	601.7	1205	401.7
0.225						
0.250			**			

POINT #1 POINT #2 POINT #3 POINT #4

0.274 0.300

MOIST	URE
PERC	ENT
	8.6
	10.1
	12.1

DRY DENSITY	
PCF	
114.9	1
118.0	1
116.3	Ì
	1

Т
46
56
39

LIQUID LIMIT: NP PLASTIC LIMIT: NP PLASTICITY INDEX: NP



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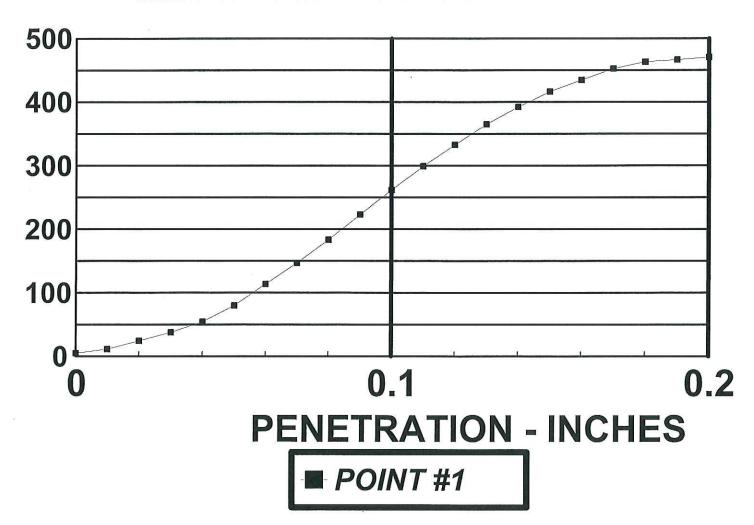
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#### LIMEROCK BEARING RATIO - MBR CONSTRUCTION





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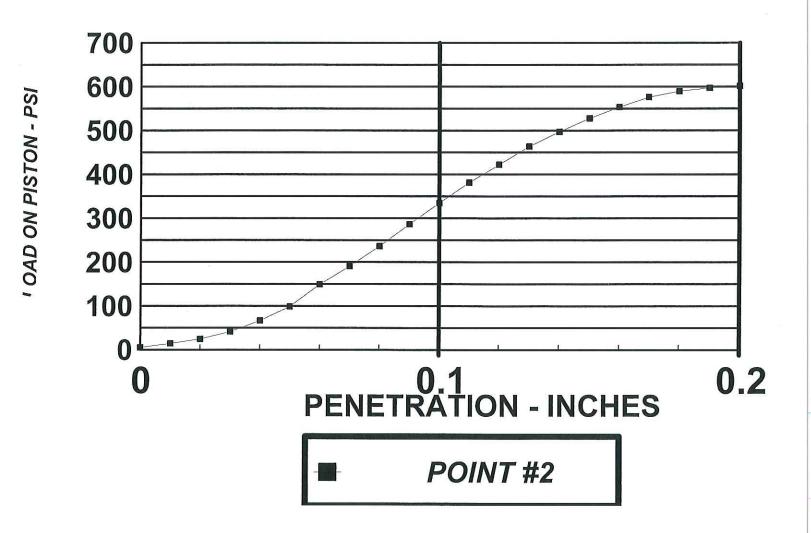
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## FASTCOAST TESTING & ENGINEERING, INC.,

IMEROCK BEARING RATIO - MBR CONSTRUCTION





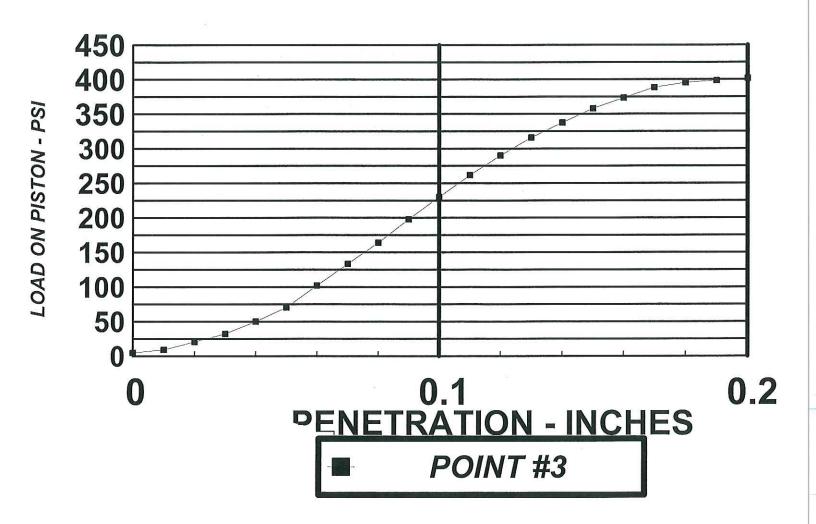
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LIMEROCK BEARING RATIO - MBR CONSTRUCTION INC.





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# ' IMEROCK BEARING RATIO - T-180/AASHTO

