APPENDIX A
Compaction Test Results

CAL-WEST

CONSTRUCTION MATERIALS ENGINEERS
TESTING & INSPECTION

J.N. 174-079

IARY OF FIELD DENSITY TESTING

PROJECT Doty Brothers

LOCATION	DATE	DESIGN FILL DEPTH FEET	FILL DEPTH FEET	TEST DEPTH FEET	TEST ELEV.	FIELD DENS. PCF	MOIST CONT. %	RELATIVE COMPACT PERCENT	SOIL TYPE
Virginia STA 55+83	1/5/01	5.0	5.0	1.0-1.5		109.2	11.6	91	120.5
Virginia STA 54+55	✓	5.0	5.0	3.0-3.5		111.3	17.0	92	✓
Virginia STA 57+75	✓	5.4	5.4	2.5-3.2		100.3	17.0	See Test #4 83	✓
Virginia Retest #3 STA 58+00	✓	5.0	5.0	3.2-3.5		98.7	12.0	See Test #7 88	✓
Virginia STA 54+00	✓	5.2	5.2	1.5-2.2		113.2	9.5	94	✓
Virginia STA 54+44	✓	5.2	5.2	3.0-3.5		109.5	11.9	91	✓
Retest #4 Virginia STA 57+50	✓	5.0	5.0	3.0-3.5		117.5	13.8	98	✓
Virginia STA 54+05	✓	0.5	0.5	0.0-0.5	Subgrade	115.1	13.9	95.5	✓
Virginia STA 57+75	1/8/01	✓	✓	0.0-0.5	Subgrade	117.0	12.0	97.1	✓
Virginia STA 56+50	✓	✓	✓	0.0-0.5	Subgrade	117.0	11.9	97.1	✓
Virginia STA 58+00	✓	0.5	0.5	0.0-0.5	Base	130.2	10.8	95.4	136.5

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J.N. 174.079

IARY OF FIELD DENSITY TESTING

PROJECT Doty Roothouse

LOCATION	DATE	DESIGN FILL DEPTH FEET	FILL DEPTH FEET	TEST DEPTH FEET	TEST ELEV.	FIELD DENS. PCF	MOIST CONT. %	RELATIVE COMPACT PERCENT	SOIL TYPE
rginia TA 57+20	1/9/01	0.5	0.5	00-0.5	Base	130.8	11.3	95.8	136.5
rginia TA 50+50	✓	6.0	6.0	1.0-1.5		115.0	12.4	95.4	120.5
rginia STA 49+80	✓	6.0	5.0	1.0-1.5		114.1	11.9	94.7	✓
rginia TA 53+40	✓	0.5	0.5	0.0-0.5	subgrade	111.5	10.2	96.7	✓
rginia STA 55+80	✓	0.5	0.5	0.0-0.5	Base	130.8	10.3	95.8	136.5
rginia TA 52+50	1/10/00	✓	✓	✓	subgrade	117.3	13.2	97.3	120.5
rginia STA 51+25	✓	✓	✓	✓	Base	129.2	11.3	94.7	136.5
rginia STA 48+20	✓	6	4	1.0-1.5		113.6	14.0	94.3	120.5
rginia TA 49+80	✓	0.5	0.5	00-0.5	Subgrade	118.5	10.6	98.3	✓
rginia TA 49+50	✓	✓	✓	✓	Base	131.2	10.9	96.1	136.5
rginia TA 48+40	✓	✓	✓	✓	subgrade	115.4	12.8	95.8	120.5

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CONSTRUCTION MATERIALS ENGINEERS
TESTING & INSPECTION

J.N. 174.079

MARY OF FIELD DENSITY TESTING

PROJECT Doty Brothers

LOCATION	DATE	DESIGN FILL DEPTH FEET	FILL DEPTH FEET	TEST DEPTH FEET	TEST ELEV.	FIELD DENS. PCF	MOIST CONT. %	RELATIVE COMPACT PERCENT	SOIL TYPE
Virginia STA 48+05	1/10/01	0.5	0.5	0.0-0.5	Base	131.9	7.9	96.6	136.5
Flores STA 46+95	1/16/01	5.4	3.0	1.0-1.5		112.7	7.8	93.6	120.5
Flores STA ~~STA~~ 47+01	✓	5.4	5.4	1.0-1.5		117.8	10.9	97.8	120.5
Flores STA 47+20	✓	0.5	0.5	0.0-0.5	subgrade	114.6	6.4	95.1	120.5
Flores STA 47+00	✓	0.5	0.5	0.0-0.5	Base	129.6	9.7	94.9	136.5
Flores STA 45+50	✓	5.2	4.8	1.5-2.0		114.1	10.2	91.3	125.0
Flores STA 45+30	1/17/01	0.5	0.5	0.0-0.5	subgrade	121.3	12.5	97.1	✓
Flores STA 44+05	✓	✓	✓	✓	Base	130.2	7.8	95.4	136.5
Magonlia STA 44+20	✓	5.2	3.0	1.0-1.5		115.3	10.1	92.2	125.0
Magonlia STA 44+10	✓	5.2	5.0	✓		116.8	9.7	93.4	✓
Magonlia STA 44+60	✓	0.5	0.5	0.0-0.5	subgrade	119.6	9.1	95.7	✓

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CONSTRUCTION MATERIALS ENGINEERS
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J.N. 174.079

ARY OF FIELD DENSITY TESTING

PROJECT Doty Bratton

LOCATION	DATE	DESIGN FILL DEPTH FEET	FILL DEPTH FEET	TEST DEPTH FEET	TEST ELEV.	FIELD DENS. PCF	MOIST CONT. %	RELATIVE COMPACT PERCENT	SOIL TYPE
Magnolia STA 42+60	1/19/01	0.5	0.5	0.0-0.5	Base	131.6	5.4	96.4	136.5
Magnolia STA 42+10	✓	5.7	3.5	1.0-1.5		114.6	7.4	91.2	125.0
Magnolia STA 42+30	✓	✓	5.0	1.0-1.5		117.3	8.6	93.8	125.0
Magnolia STA 42+20	✓	0.5	0.5	0.0-0.5	subgrade	121.6	8.9	97.3	✓
Virginia STA 58+40	1/22/01	5.2	3.0	1.0-1.5	90%	108.5	14.1	90.0	✓
Virginia STA 58+60	✓	5.2	5.0	✓	✓	117.3	12.1	97.3	✓
Medical Center Dr STA 59+20	1/23/01	5.2	5.0	2.5-3.0	✓	113.6	13.4	94.3	✓
Medical Center Dr STA 59+24	✓	0.5	0.5	0.0-0.5	subgrade 95%	116.0	10.8	96.3	✓
Virginia STA 59+45	1/24	5.3	3.5		90%	112.6	10.9	93.4	—
Virginia STA 60+50 under sewer lot	1/24	5.2	2.0	0.0-0.5	✓	108.5	8.6	90.0	✓
Virginia STA 59+70	1/24	5.3	5.0	1.0-1.5	✓	111.0	12.3	92.1	✓

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CONSTRUCTION MATERIALS ENGINEERS
TESTING & INSPECTION

J.N. 174.079

MARY OF FIELD DENSITY TESTING

PROJECT Doty Brolhe

LOCATION	DATE	DESIGN FILL DEPTH FEET	FILL DEPTH FEET	TEST DEPTH FEET	TEST ELEV.	FIELD DENS. PCF	MOIST CONT. %	RELATIVE COMPACT PERCENT	SOIL TYPE
[illegible] STA 40+30 [illegible]	2/31/01	5.6	3.0	1.0-1.5	90%	113.0	7.1	94.4	120.5
Virginia STA 61+55	2/1/01	5.7	3.0	1.0-1.5	✓	112.2	13.4	93.1	✓
Virginia STA 60+50	2/6/01	0.5	0.5	0.0-0.5	subgrade 95% zone	114.2	9.6	94.8	✓
Virginia STA 59+74	✓	✓	✓	✓	Base 95% zone	132.3	5.5	96.9	136.6
Virginia STA 61+65	✓	✓	✓	✓	✓	130.1	4.9	95.3	136.5
Medical Center Dr STA 58+91	✓	✓	✓	✓	✓	129.8	7.0	95.1	✓