

SOUTHEASTERN SOIL & ENVIRONMENTAL ASSOC., INC.

PROPOSED SUBSURFACE WASTE DISPOSAL SYSTEM DETAIL SHEET

SUBDIVISION Wyndham Place LOT 17

INITIAL SYSTEM 2' chamber REPAIR SYSTEM UPP

BENCHMARK ELEV. 100.0 LOCATION Rear corner 17/18

TYPE OF DISTRIBUTION Pump to D-Box - THE FLOW DIVIDER
To 2 @ 200' SERIAL DISTRIBUTION

LINE	ELEVATION	LENGTH	FLAG COLOR	
1	98.92	50'	O	INITIAL SYSTEM
2	99.50	50'	W	
3	99.84	50'	O	
4	100.25	50'	W	
5	100.50	42'	O	
6	100.25	44'	Y	
7	99.50	45'	O	
8	98.84	35'	Y	
9	98.50	35'	O	
10	100.00	80'	B	Repair System
11	99.50	80'	O	
12	99.00	80'	Y	
13	98.42	80'	O	
14	97.92	80'	Y	
15	96.42	80'	O	

Flow DIVIDER

BM IN TREE FOR REPAIR

BY M EAKER DATE 7/6/05

FLAG COLOR: Y = YELLOW R = RED W = WHITE B = BLUE O = ORANGE P = PINK

Centerline Course
 BEARING
 S 04°47'45" W
 N 85°12'17" W
 166.27' 25.00'
 I-J
 J-K

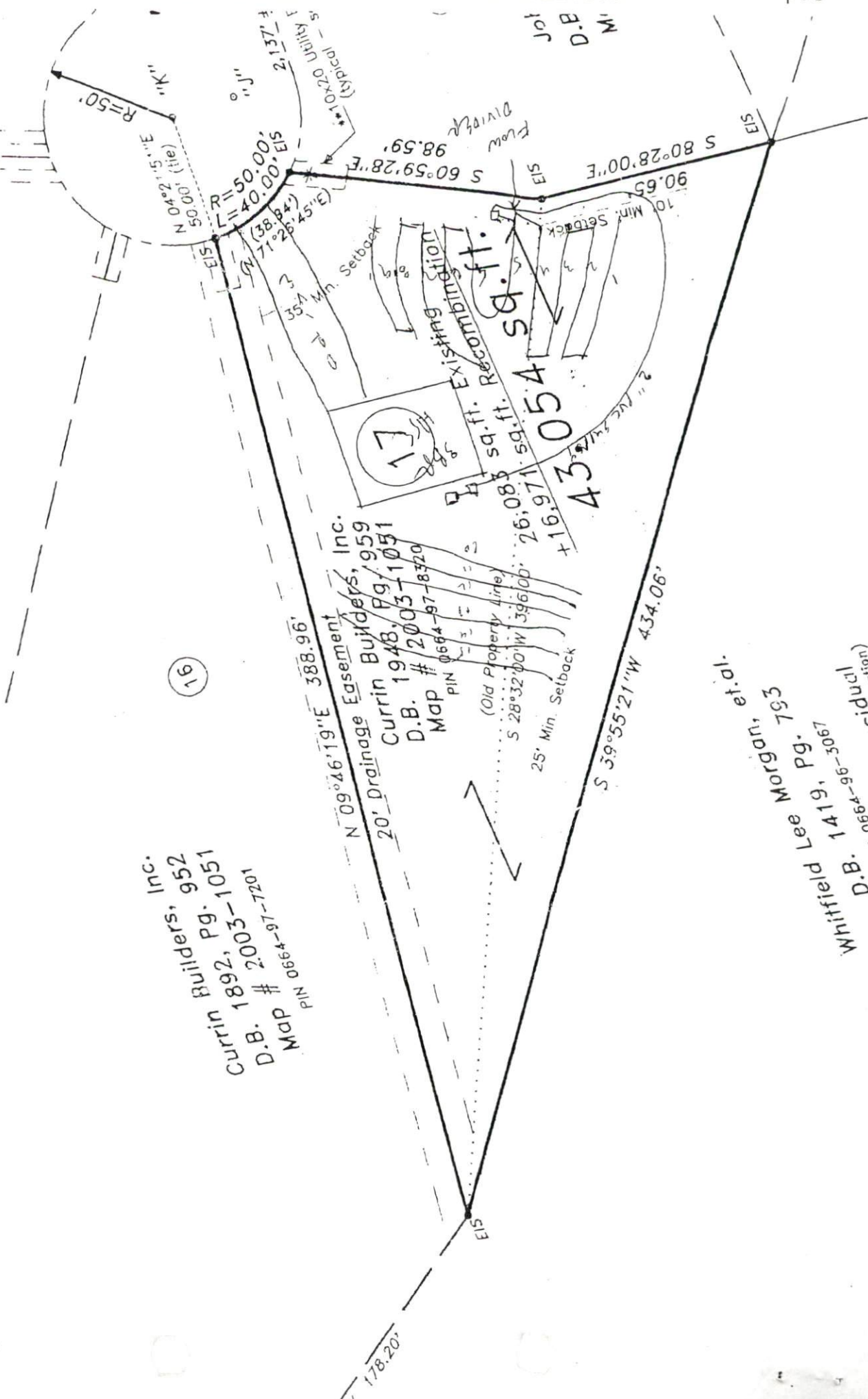
Curriu Builders, Inc.
 1892, Pg. 1051
 D.B. # 2003-1051
 Map # 0664-97-7201
 PIN 0664-97-7201

N 09°46'19"E 388.96'
 20' Drainage Easement
 Curriu Builders, Inc. 959
 D.B. 1948, Pg. 1051
 Map # 2003-1051
 PIN 0664-97-8320
 (Old Property Line)
 S 28°32'00"W 396.00'
 25' Min. Setback

S 59°55'21"W 434.06'
 10' Min. Setback
 43,054 sq. ft.
 26,083 sq. ft. Existing
 16,971 sq. ft. Res. +16.971

15

16



et al.
 Morgan, Lee
 Pg. 792
 1419, Pg. 3067
 D.B. 1419, Residual
 PIN 0664-96-3067
 (Information)

Job D.B. M

SOUTHEASTERN SOIL & ENVIRONMENTAL ASSOC., INC.

PROPOSED SUBSURFACE WASTE DISPOSAL SYSTEM DETAIL SHEET

SUBDIVISION Wyndham Place LOT 17

INITIAL SYSTEM 2' CHAMBER REPAIR SYSTEM LPP

BENCHMARK ELEV. 100.0 LOCATION Rear ~~Front~~ corner ~~17/18~~ 17/18

TYPE OF DISTRIBUTION Pump to P-Box (SERIAL DISTRIBUTION)

Install at Grade
with 6" cover

CTAR = 0.39 gal/hr

Initial

(BM in tree for repair)

LINE	ELEVATION	LENGTH	FLAG COLOR
1	100.50	40'	O
2	100.25	42'	Y
3	99.50	45'	O
4	98.84	35'	Y
5	98.50	35'	O
6	98.00	35'	Y
7	97.50	35'	O
8	100.00	40'	B
9	99.50	40'	D
10	99.00	40'	Y
11	98.72	40'	O
12	97.92	53	Y
13	97.25	53	O
14	96.42	54	Y

BY M Eaker DATE 4/27/05

FLAG COLOR: Y = YELLOW R = RED W = WHITE B = BLUE O = ORANGE P = PINK

SAMPLE DATA SHEET

Measurement No. 1 Conducted by M EAKER
 Location Wyndham Place Lot 17 date 4/22/05
 Weather Condition Sunny Temperature 80°
 Horizon BC Source of Water TAL

Hole depth 72 cm Measured (Actual) water level in hole
 Distance between reference level Initial 15 cm
 and soil surface + 1 cm Final 15 cm
 Distance from the hole bottom to the reference level (D) = 83 cm Clock time
 Desired water depth in hole (H) - 15 cm Start saturation 11:30
 Constant-head tube setting (d) = 68 cm Steady-state reading 11:49

Reservoirs Used for Measurement of the Steady-State Flow Rate

Flow Measuring Reservoir Only Conversion Factor (C.F.) = 20 cm²
 Both Flow Measuring and Main Reservoirs Conversion Factor (C.F.) = 105 cm²

(To obtain flow volume multiply change in water level by the appropriate C.F. from above)

Clock Time h:min	Reservoir Reading cm	Δt min	Change in Water Level cm	Flow Volume cm ³	Q cm ³ /min	Q cm ³ /h	K _{sat} cm/h
<u>11:49</u>	<u>28.6</u>	<u>3</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>11:52</u>	<u>27.3</u>	<u>3</u>	<u>1.3</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>11:55</u>	<u>26.0</u>	<u>3</u>	<u>1.0</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>11:58</u>	<u>25.0</u>	<u>3</u>	<u>1.0</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>12:48</u>	<u>9.6</u>	<u>50</u>	<u>15.4</u>	<u>308</u>	<u>6.16</u>	<u>369.6</u>	<u>.430</u>
<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>

Average of last three measurements: K_{sat} = _____ cm/h _____ (other units)

COMMENTS: (0.43 cm/h) EQUIVALENT TO 2.52 gpd/ft²

SAMPLE DATA SHEET

Measurement No. 2 Conducted by M EAKER
 Location Wyndham Place Lot 17 date 4/22/05
 Weather Condition SUNNY Temperature 80°
 Horizon C Source of Water TAR

Hole depth 80 cm Measured (Actual) water level in hole
 Distance between reference level Initial 15 cm
 and soil surface + 11 cm Final 15 cm
 Distance from the hole bottom to the reference level (D) = 91 cm Clock time
 Desired water depth in hole (H) - 15 cm Start saturation 12:55
 Constant-head tube setting (d) = 76 cm Steady-state reading 1:06

Reservoirs Used for Measurement of the Steady-State Flow Rate

Flow Measuring Reservoir Only Conversion Factor (C.F.) = 20 cm²
 Both Flow Measuring and Main Reservoirs _____ Conversion Factor (C.F.) = 105 cm²

(To obtain flow volume multiply change in water level by the appropriate C.F. from above)

Clock Time h:min	Reservoir Reading cm	Δt min	Change in Water Level cm	Flow Volume cm ³	Q cm ³ /min	Q cm ³ /h	K _{sat} cm/h
<u>1:06</u>	<u>25.6</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>1:09</u>	<u>24.2</u>	<u>3</u>	<u>1.4</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>1:12</u>	<u>22.0</u>	<u>3</u>	<u>1.2</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>1:18</u>	<u>20.8</u>	<u>3</u>	<u>1.2</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>1:21</u>	<u>19.6</u>	<u>3</u>	<u>1.2</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>1:24</u>	<u>18.5</u>	<u>3</u>	<u>1.1</u>	<u>22.0</u>	<u>7.33</u>	<u>439.8</u>	<u>.511</u>
<u>1:27</u>	<u>17.0</u>	<u>3</u>	<u>1.5</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>

Average of last three measurements: K_{sat} = _____ cm/h _____ (other units)

COMMENTS: $\left(\frac{0.511 \text{ cm}}{\text{hr}} \right) = 2.99 \text{ gpd/ft}^2$

SAMPLE DATA SHEET

Measurement No. 3 Conducted by M Eaker
 Location Wyndham Place date 4/22/05
 Weather Condition Sunny Temperature 80°
 Horizon C Source of Water Tap

Hole depth 68 cm Measured (Actual) water level in hole
 Distance between reference level and soil surface + 11 cm Initial 81.5 cm
 Final 84.5 cm
 Distance from the hole bottom to the reference level (D) = 79 cm Clock time
 Desired water depth in hole (H) - 15 cm Start saturation 1:12
 Constant-head tube setting (d) = 64 cm Steady-state reading 1:45

Reservoirs Used for Measurement of the Steady-State Flow Rate

Flow Measuring Reservoir Only Conversion Factor (C.F.) = 20 cm²
 Both Flow Measuring and Main Reservoirs Conversion Factor (C.F.) = 105 cm²

(To obtain flow volume multiply change in water level by the appropriate C.F. from above)

Clock Time h:min	Reservoir Reading cm	Δt min	Change in Water Level cm	Flow Volume cm ³	Q cm ³ /min	Q cm ³ /h	K _{sat} cm/h
<u>1:45</u>	<u>30.5</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>1:48</u>	<u>29.2</u>	<u>3</u>	<u>1.3</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>1:51</u>	<u>28.0</u>	<u>3</u>	<u>1.2</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>1:54</u>	<u>26.5</u>	<u>3</u>	<u>1.5</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>1:57</u>	<u>25.1</u>	<u>3</u>	<u>1.4</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>2:00</u>	<u>24.0</u>	<u>3</u>	<u>1.1</u>	<u>22.0</u>	<u>7.33</u>	<u>439.8</u>	<u>1511</u>

Average of last three measurements: K_{sat} = _____ cm/h _____ (other units)

COMMENTS: (1511 cm/h) = 2.99 gpd / ft²

