



## ENVIRONMENTAL BOARD MOTION 080509-3a

Date: August 5, 2009

Subject: Zilker Park Landfill Drainage Improvements, Phase 2 SPC 2008-0485D

Motioned By: Mary Gay Maxwell

Seconded by: Phil Moncada.

### Recommendation

The Environmental Board recommends approval on consent to Land Development Code 25-8-341 (A) To allow cut greater than 4 feet.

### Rationale:

Findings of fact have been met

**Vote** 4-0-0-3

**For:** Ahart, Dupnik, Maxwell and Monada

**Against:**

**Abstain:**

**Absent:** Beall, Bezanson, and Neely

Approved By:

Mary Gay Maxwell  
Environmental Board Chair



**ENVIRONMENTAL BOARD MOTION AND RECOMMENDATION 080509 4a**

**Date:** August 5, 2009

**Subject:** Groundwater Characteristics and Challenges for Subsurface Structures in Austin's Urban Core.

**Motioned By:** Mary Gay Maxwell

**Seconded By:** John Dupnik

The Environmental Board passed the attached recommendation on Groundwater Characteristics and Challenges for Subsurface Structures in Austin's Urban Core.

**Vote** 4-0-0-3

**For:** Ahart, Dupnik, Maxwell and Moncada

**Against:**

**Abstain:**

**Absent:** Beall, Bezanson, and Neely.

**Approved By:**

Rodney Ahart  
Environmental Board Vice Chair

## **ENVIRONMENTAL BOARD RECOMMENDATION AUGUST 5, 2009**

The Environmental Board of the City of Austin requests that the Austin City Council direct the City Manager to begin the process required to implement the following recommendations from the "Groundwater Characteristics and Challenges for Subsurface Structures in Austin's Urban Core" report submitted to Council in February of 2009 by WPRD staff:

### **1) Ensure Groundwater Discharge Review by One Stop Shop:**

- It is recommended that the current One Stop Shop practices continue and that code or criteria amendments that are developed to clarify requirements be processed expeditiously.

### **2) Encourage Groundwater Infiltration:**

- It is recommended that the City develop criteria requiring properties along stream corridors to recharge the baseflow of the streams by means of linear French drains or infiltration trenches and to develop appropriate code and criteria amendments.
- It is recommended that the City evaluate the feasibility of allowing groundwater infiltration as an alternative to discharges to storm sewers.

### **3) Encourage Groundwater Reuse:**

- The City should continue to encourage water reuse and to evaluate additional incentives and assistance that would encourage reuse of groundwater discharges.

### **4) Identify Potential Contaminated Groundwater Discharges:**

- It is recommended that the work currently in process in WPRD regarding tracking and mapping known groundwater contaminated sites be completed in order to provide the necessary information on subsurface contamination and the need to conduct Environmental Site Assessments to the One Stop Shop.

### **5) Investigate Drainage Infrastructure Funding Alternatives:**

- Impact fees - It is recommended that the drainage fee be increased to fund additional drainage infrastructure improvements and that the City determine the plausibility of implementing an impact fee.

Table 1: GPS locations and corresponding CEF setback area

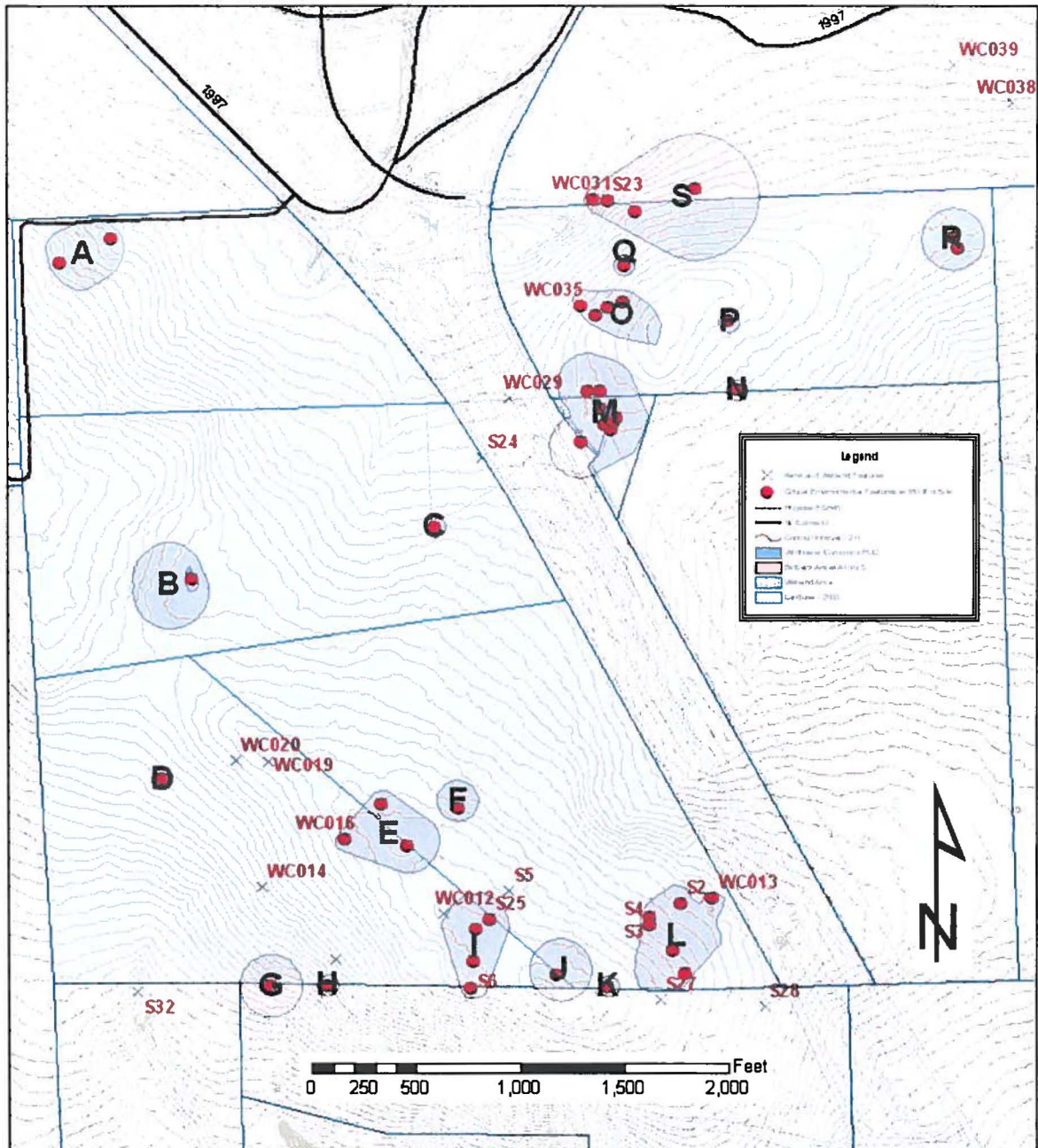
Id	Comments	X	Y	FEATURE	TYPE	Setback Area
1	Sinkhole	3070564.32	10031308.78	S1	SH	L
2	Sinkhole	3070644.19	10031700.86	S2	SH	L
3	Solution Cavity	3070500.07	10031634.03	S3	SC	L
4	Karst Depression	3070498.05	10031596.55	S4	CD	L
5	Karst Depression	3069823.00	10031757.14	S5	CD	
6	Sinkhole	3069644.06	10031290.42	S6	SH	I
7	Solution Cavity	3068952.24	10031305.05	S7	SC	H
8	Sinkhole	3067680.52	10034787.20	S8	SH	A
9	Solution Cavity	3068164.23	10032302.65	S9	SH	D
10	Sinkhole	3068680.75	10031303.15	S10	SH	G
11	Wetland/Sinkhole	3068319.34	10033210.07	S11	W-S	B
12	Sinkhole	3070281.20	10034009.00	S12	SH	M
13	Sinkhole	3070310.00	10033994.00	S13	SH	M
14	Solution Cavity	3070316.50	10033983.60	S14	SC	M
15	Sinkhole	3070327.70	10034022.40	S15	SH	M
16	Sinkhole	3070342.60	10034039.20	S16	SH	M
17	Cave	3070278.28	10034171.25	S17	C	M
18	Sinkhole	3070244.42	10034537.02	S18	SH	O
19	Cave	3071970.00	10034900.00	S19	C	R
20	Sinkhole	3070380.00	10034800.00	S20	SH	Q
21	Solution Cavity	3070919.85	10034172.71	S21	SC	
22	Solution Cavity	3070434.72	10035029.90	S22	SC	
23	Sinkhole	3070300.92	10035084.00	S23	SH	
24	Solution Cavity	3069699.78	10033850.50	S24	SC	
25	Sinkhole	3069730.39	10031622.05	S25	SH	I
26	Sinkhole	3069650.00	10031400.00	S26	SH	I
27	Sinkhole	3070550.00	10031251.00	S27	SH	
28	Karst Depression	3071050.00	10031200.00	S28	CD	
29	<b>Sinkhole</b>	<b>3071137.00</b>	<b>10031512.00</b>	<b>S31</b>	<b>SH</b>	<b>S</b>
30	Sinkhole	3068045.27	10031249.09	S32	SH	S
31	Sinkhole	3069696.00	10031559.00	S33	SH	I
32	Solution Cavity	3070710.00	10031910.00	S34	SC	
33	Karst Depression	3070740.00	10031769.00	S35	CD	
34	SC	3070760.00	10031512.00	S36	SC	L
35	Karst Depression	3070450.00	10031461.00	S37	CD	L
Id	Comments	X	Y	FEATURE	TYPE	Setback Area
36	<b>Sinkhole</b>	<b>3070479.97</b>	<b>10032979.98</b>	<b>WC003</b>	<b>SH</b>	
37	Sinkhole	3070300.00	10031300.00	WC005	SH	K
38	Sinkhole	3070050.00	10031400.00	WC007	SH	J



39	Cave	3070670.00	10031400.00	WC008	C	L
40	Other	3068990.00	10031400.00	WC009	O	
41	Solution Cavity	3070610.00	10031500.00	WC010	SC	L
42	Solution Cavity	3069670.00	10031600.00	WC011	SC	I
43	Solution Cavity	3069510.00	10031600.00	WC012	SC	I
44	Sinkhole	3070800.00	10031700.00	WC013	SH	L
45	Other	3068640.00	10031800.00	WC014	O	
46	Cave	3069340.00	10032000.00	WC015	C	E
47	Solution Cavity	3069040.00	10032000.00	WC016	SC	E
48	Cave	3069580.00	10032200.00	WC017	C	F
49	Solution Cavity/Frac	3069210.00	10032200.00	WC018	SC-SF	E
50	Solution Cavity	3068670.00	10032400.00	WC019	SC	
51	Solution Cavity/Frac	3068520.00	10032400.00	WC020	SC-SF	
52	Solution Cavity/Frac	3069470.00	10033500.00	WC021	SC-SF	C
53	Sinkhole	3067920.00	10034900.00	WC023	SH	A
54	Karst Depression	3070170.00	10033900.00	WC027	CD	M
55	Karst Depression	3070210.00	10034200.00	WC028	CD	M
56	Other	3069830.00	10034100.00	WC029	O	
57	Cave	3070230.00	10035100.00	WC031	C	S
58	Cave	3070720.00	10035100.00	WC032	C	S
59	Karst Depression	3070260.00	10034100.00	WC033	CD	M
60	Solution Cavity/Frac.	3070880.00	10034500.00	WC034	SC-SF	P
61	Solution Cavity	3070180.00	10034600.00	WC035	SC	O
62	Solution Cavity	3070300.00	10034600.00	WC036	SC	O
63	Solution Cavity	3070370.00	10034600.00	WC037	SC	O
64	Cave	3072230.00	10035600.00	WC038	C	
65	Cave	3071960.00	10035700.00	WC039	C	
66	Sinkhole	3071950.00	10034900.00	WC040	SH	R
67	Zone	3068900.00	10036600.00	WC041	Z	

Map 1: Setback Area Location Map

Map 1: Location Map for Critical Environmental Feature Setbacks  
(Revised - 07-07-2008)



Wildflower Commons P.U.D.

**Vote** 5-0-0-0-2

**For:** Ahart, Dupnik, Maxwell, Moncada and Neely

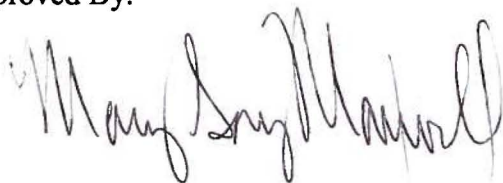
**Against:**

**Abstain:**

**Absent:**

**Recused:** Anderson, and Beall

**Approved By:**

A handwritten signature in dark ink, appearing to read "Mary Gay Maxwell". The signature is written in a cursive, flowing style.

**Dr. Mary Gay Maxwell**  
**Environmental Board Vice Chair**