

Figure 17
Critical Areas Map

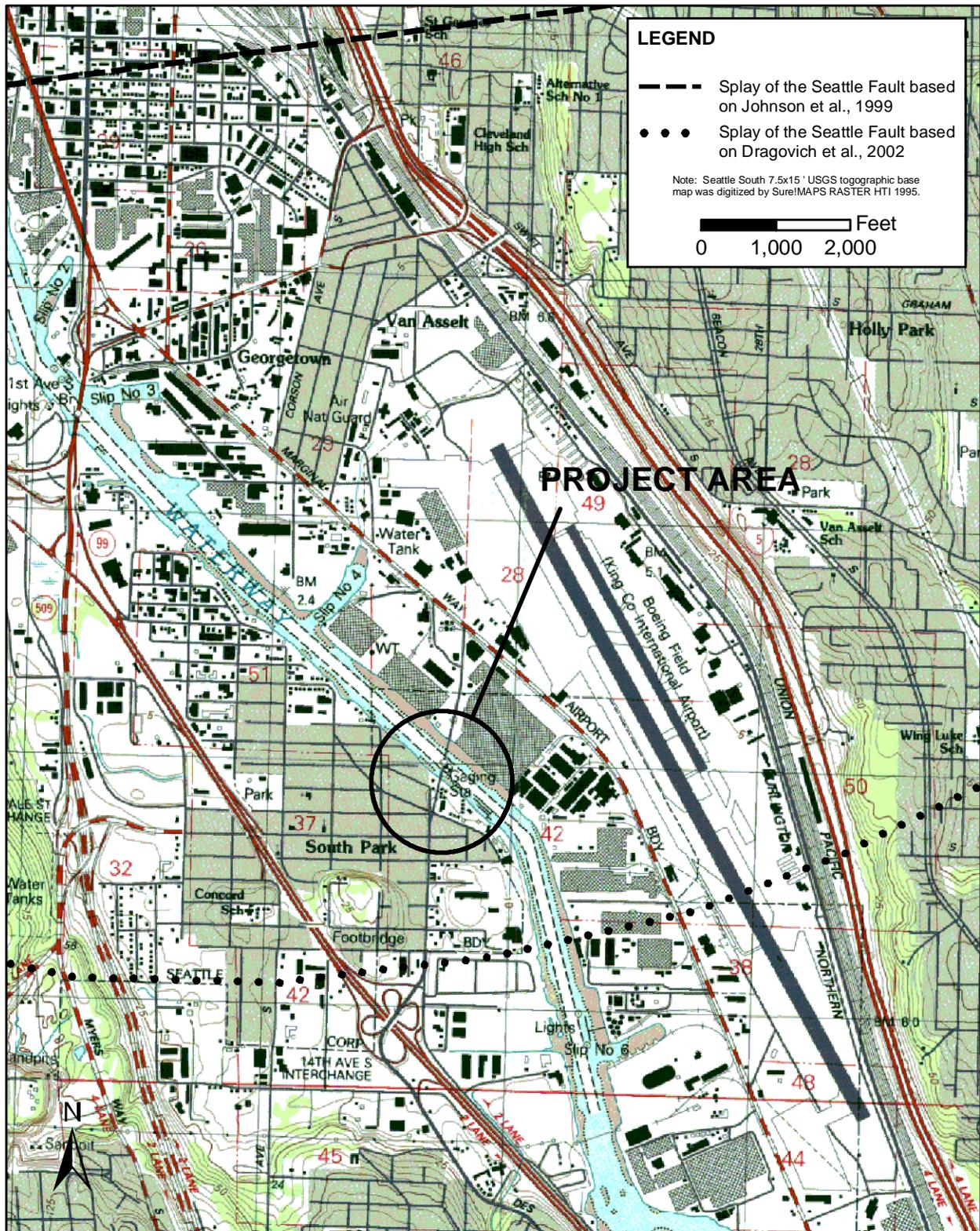
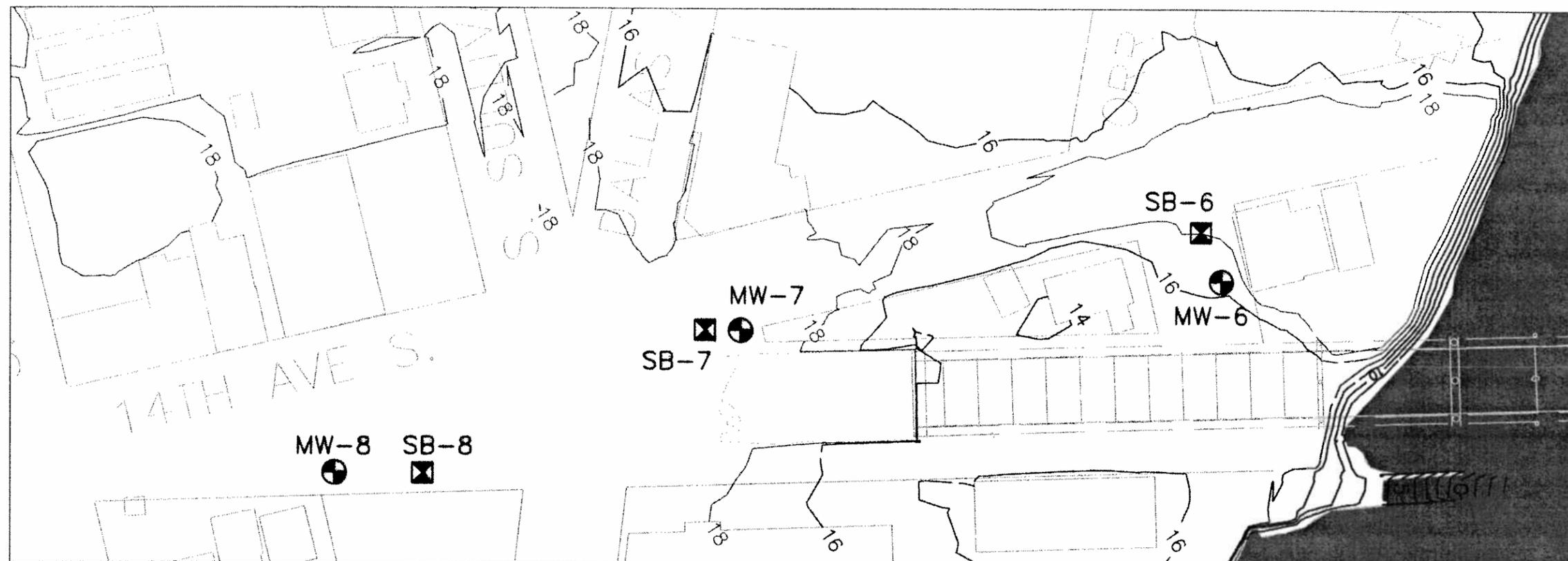


Figure 18
Fault Location Map



King County



LEGEND

- MW Monitoring Well
- SB Soil Boring
- Chemical** Exceeds Threshold

SB-8/MW-8

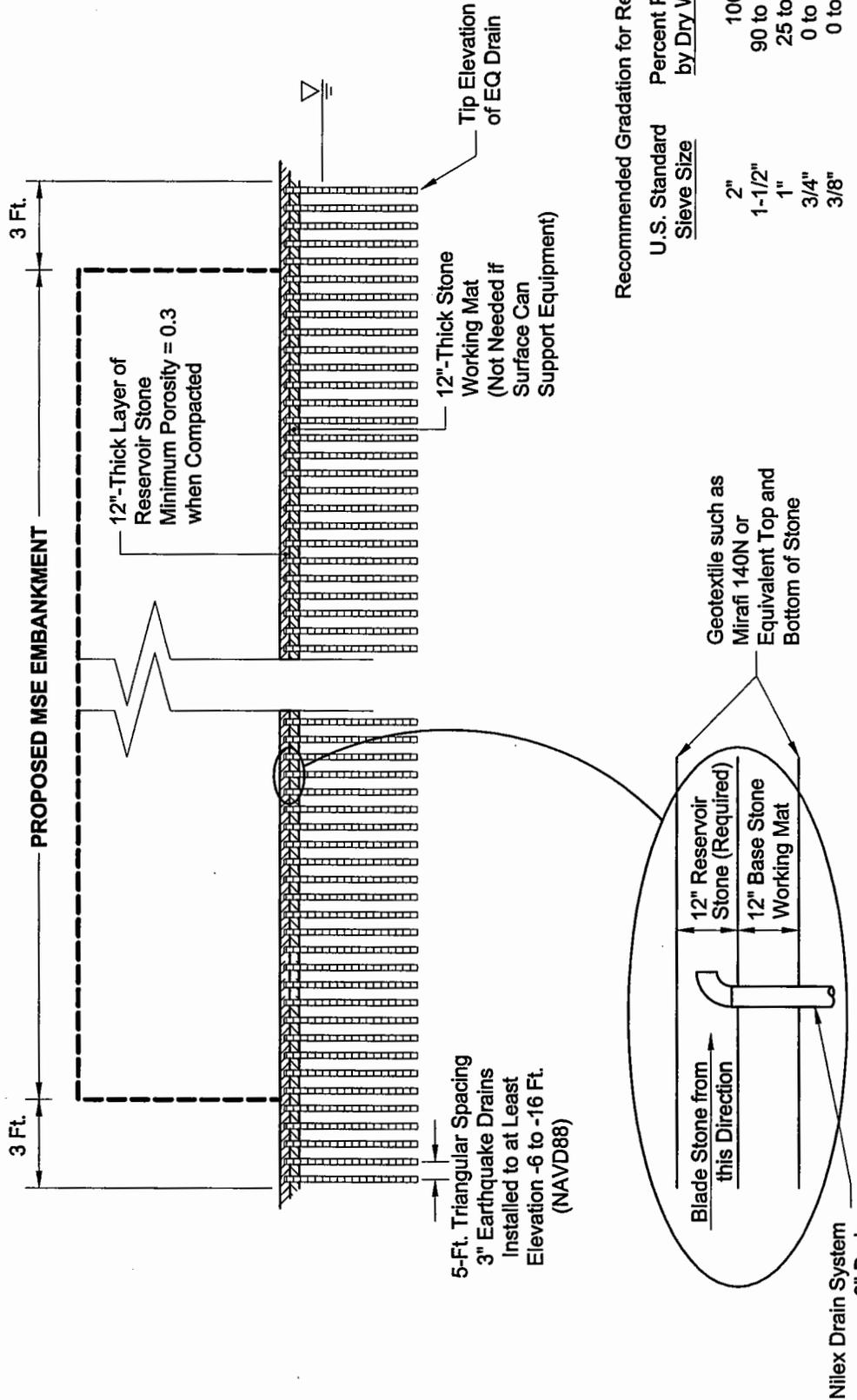
		Depth (ft)		
Arsenic	Benzo(k)flouranthene	2.5	Copper	Nickel
Benzo(a)anthracene	Beryllium		Diesel Fuels	Phc as Motor Oil
Benzo(a)pyrene	Bis(2-ethylhexy)phthalate		Flouranthene	Phenanthrene
Benzo(b)flouranthene	Cadmium		Indeno(1,2,3-cd)pyrene	Pyrene
Benzo(g,h,i)perylene	Chromium		Lead	Zinc
	Chrysene		Mercury	
Acenaphthylene	Benzo(k)flouranthene	4	Diesel Fuels	Nickel
Benzo(a)anthracene	Beryllium		Flouranthene	Phc as Motor Oil
Benzo(a)pyrene	Chromium		Indeno(1,2,3-cd)pyrene	Phenanthrene
Benzo(b)flouranthene	Chrysene		Lead	Pyrene
Benzo(g,h,i)perylene	Copper		Naphthalene	Zinc
	Dibenz(a,h)anthracene		Naphthalene	
Chromium	Copper	7	Nickel	Zinc
	Di-n-butylphthalate			
Copper	Chromium	9.5	Nickel	Zinc
Acetone	Chromium	12	Nickel	Zinc
	Copper			
1,2,4-trimethylbenzene	Chromium	14	Nickel	Toluene
1,3,5-trimethylbenzene	Cis-1,2-dichloroethene		O-xylene	Total Xylenes
Acetone	Copper		Tetrachloroethene	Zinc
Acetone	Chromium	17	Nickel	Zinc
	Copper			
Acetone	Benzo(g,h,i)perylene	24	Copper	Phenanthrene
Benzo(a)anthracene	Benzo(k)flouranthene		Flouranthene	Pyrene
Benzo(a)pyrene	Chromium		Indeno(1,2,3-cd)pyrene	Zinc
Benzo(b)flouranthene	Chrysene		Nickel	
Acetone	Chromium	50	Lead	Selenium
Beryllium	Copper		Nickel	Zinc
	Dichloromethane			
Arsenic	Chromium	76	Lead	Pyrene
Beryllium	Copper		Nickel	Selenium
Cadmium	Dichloromethane		Phc as Motor Oil	Zinc
	Diesel Fuels			
Acetone	Chromium	80	Diesel Fuels	Selenium
Beryllium	Copper		Lead	Zinc
	Dichloromethane		Nickel	

SB-7/MW-7

		Depth (ft)		
2-methylnaphthalene	Benzo(g,h,i)perylene	2	Chrysene	Mercury
Anthracene	Benzo(k)flouranthene		Copper	Naphthalene
Aroclor-1260	Beryllium		Diesel Fuels	Nickel
Benzo(a)anthracene	Bis(2-ethylhexy)phthalate		Flouranthene	Phc as Motor Oil
Benzo(a)pyrene	Cadmium		Indeno(1,2,3-cd)pyrene	Phenanthrene
Benzo(b)flouranthene	Chromium	Lead	Pyrene	
			Zinc	
Aroclor-1260	Benzo(k)flouranthene	5	Diesel Fuels	Phc as Motor Oil
Benzo(a)anthracene	Bis(2-ethylhexy)phthalate		Di-n-butylphthalate	Phenanthrene
Benzo(a)pyrene	Chromium		Flouranthene	Pyrene
Benzo(b)flouranthene	Chrysene		Lead	Zinc
Benzo(g,h,i)perylene	Copper		Nickel	
	Beryllium	7.5	Beryllium	
	Chromium		Chromium	
	Copper		Zinc	
	Beryllium	10	Nickel	
	Chromium		Zinc	
	Copper			
2-methylnaphthalene	Benzo(b)flouranthene	12.5	Copper	Naphthalene
Acenaphthylene	Benzo(g,h,i)perylene		Dibenz(a,h)anthracene	Nickel
Acetone	Benzo(k)flouranthene		Diesel Fuels	Phc as Motor Oil
Anthracene	Beryllium		Flouranthene	Phenanthrene
Benzo(a)anthracene	Chromium		Indeno(1,2,3-cd)pyrene	Pyrene
Benzo(a)pyrene	Chrysene	Lead	Zinc	
Acetone	Chromium	17.5	Lead	Phc as Motor Oil
Beryllium	Copper		Nickel	Zinc
Acetone	Bis(2-ethylhexy)phthalate	25	Copper	Nickel
Beryllium	Chromium		Lead	Zinc
Acetone	Chromium	45	Dichloromethane	Nickel
Beryllium	Copper		Lead	Zinc
Acetone	Copper	75	Lead	Phc as Motor Oil
Chromium	Dichloromethane		Mercury	Zinc
	Diesel Fuels		Nickel	
Acetone	Chromium	105	Diesel Fuels	Nickel
Beryllium	Copper		Lead	Phc as Motor Oil
Cadmium	Dichloromethane		Mercury	Zinc

SB-6/MW-6

		Depth (ft)		
Beryllium	Lead	1.5		
Chromium	Nickel			
Copper	Zinc			
Beryllium	Nickel	7.5-9		
Chromium	Zinc			
Copper	Copper			
Beryllium	Lead	10-11.5		
Bis(2-ethylhexy)phthalate	Nickel			
Chromium	Zinc			
Copper				
Beryllium	Lead	12-13.5		
Bis(2-ethylhexy)phthalate	Nickel			
Chromium	Zinc			
Copper				
Beryllium	Lead	14.5-16		
Chromium	Nickel			
Copper	Zinc			
Chromium	Nickel	25		
Copper	Zinc			
Acetone	Diesel Fuels	50		
Beryllium	Lead			
Chromium	Nickel			
Copper	Phc as Motor Oil			
Dichloromethane	Zinc			
Acetone	Lead	75		
Beryllium	Mercury			
Chromium	Nickel			
Copper	Phc as Motor Oil			
Dichloromethane	Zinc			
Acetone	Diesel Fuels	110		
Beryllium	Lead			
Bis(2-ethylhexy)phthalate	Mercury			
Cadmium	Nickel			
Chromium	Phc as Motor Oil			
Copper	Zinc			
Dichloromethane				



Recommended Gradation for Reservoir Stone:

U.S. Standard Sieve Size	Percent Passing by Dry Weight
2"	100
1-1/2"	90 to 100
1"	25 to 55
3/4"	0 to 15
3/8"	0 to 5

PROPOSED EARTHQUAKE DRAIN TREATMENT

Not to Scale

DRAFT

NOTE

Figure modified from drawing
by Nillex, dated 09-22-2003.

South Spokane Viaduct Eastbound
Fourth Avenue Off-Ramp
Seattle, Washington

**TYPICAL DETAIL FOR
EARTHQUAKE DRAIN
INSTALLATION**

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Geotechnical and Environmental Consultants

FIG. 19

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