



# METROPOLITAN SERVICE DISTRICT

1220 S.W. MORRISON, ROOM 300, PORTLAND, OREGON 97205

(503) ~~222-3671~~ 248-5470

## MSD BOARD OF DIRECTORS

WASHINGTON PARK ZOO  
EDUCATION BUILDING  
4001 SW CANYON ROAD

APRIL 28, 1978  
2:00 P.M.

## A G E N D A

73-1041  
78-1042

MINUTES  
PUBLIC COMMUNICATIONS

### ADMINISTRATIVE DIVISION

78-1043  
78-1044  
78-1045  
78-1046

CASH DISBURSEMENTS  
1978-79 BUDGET DRAFT  
CONTRACT 78-152 - COOPERS & LYBRAND  
JOHNSON CREEK FLOOD CONTROL IMPLE-  
MENTATION ALTERNATIVES

### SOLID WASTE DIVISION

78-1047

DISPOSAL SITING ALTERNATIVES

### ZOO DIVISION

78-1048  
78-1049  
78-1050

CONTRACTS 78-144 & 78-145 - DESIGN CON-  
SULTANTS FOR ELEPHANT HOUSE & ENCLOSURE  
TRAVEL REQUEST  
ZOO DEVELOPMENT PLAN DESIGN GUIDELINES -  
PRIORITY PROJECTS

### OTHER BUSINESS INFORMATIONAL REPORTS

Mailed to attached 4-20-78.  
also to Terry Wallace at CR & To Wallace, 10724 SE Foster Rd.

MSD BOARD GENERAL INTERESTED PERSONS LISTING - JANUARY 1977

Revised March. 14, 1977

Alfred A. Hampson Hampson & Bayless 505 Pacific Building Portland, Ore. 97204	Mrs. John Hoffman Oak Lodge Com. Council 14455 SE Fair Oaks Lane Milwaukie, Ore. 97222	Milwaukie Review 1926 Washington Street Milwaukie, Ore. 97222
Sally McCracken 6215 SE Reed College Pl. Portland, Ore. 97202	Bob Brown Dept. Environ. Quality Yeon Building Portland, Ore. 97204	Daily Journal of Commerce 2014 NW 24th Portland, Ore. 97210
Associated General Contractors 1008 NE Multnomah Portland, Ore. 97232	League of Women Voters 519 SW third Portland, Ore. 97204	Willamette Week 320 SW Stark Portland, Ore. 97204
Mr. C. W. Leichner 1508 Standard Plaza Portland, Ore. 97204	Oregonian 1320 SW Broadway Portland, Ore. 97201  Newsroom - Alesko	The Community Press 6960 SW Sandburg Rd. Tigard, Oregon 97230
Mr. Demar Batchelor 139 NE Lincoln Hillsboro, Ore. 97123	Oregon Journal 1320 SW Broadway Portland, Ore. 97201  Newsroom - Pement	Mr. Dave Phillips Dept. Public Works 902 Abernathy Road Oregon City, Ore. 97045
Dale Harlan 2202 SE Lake Road Milwaukie, Ore. 97222	Enterprise-Courier 10th and Main Oregon City, Ore. 97045	Mr. Jerry Powell Portland Recycling Team 1801 NW Irving Portland, Oregon 97209
Alayne C. Woolsey 818 Fourth Street Oregon City, Ore. 97045	Forest Grove News Times Forest Grove, Ore. 97116	Jeanne McCormick 400 SW Sixth Room 558 Portland, Oregon 97204
Oregonian Metro Calendar 1320 SW Broadway Portland, Ore. 97201	Gresham Outlook 226 N Main Avenue Gresham, Oregon 97030	Mr. John Trout Business Agent Local 281 1020 NE 3rd Ave. Portland, Ore. 97232
Mr. Dean Gisvold Hardy Buttler McEwen 1408 Standard Plaza Portland, Ore. 97204	Hillsboro Argus Hillsboro, Ore. 97123	Mr. Mike Sandberg Dept. of Public Health 150 N First Street Hillsboro, Ore. 97123
Erma Ebans 811 Oak Grove Blvd. Milwaukie, Ore. 97222	Lake Oswego Review 436 First Street Lake Oswego, Oregon 97034	Alfred Simonson P.O.Box 631 Oregon City, Ore. 97045

Affidavit of Publication  
**Daily Journal of Commerce**  
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2014 N.W. 24th Ave. • Portland, Oregon 97210  
Phone: (503) 226-1311

**RECEIVED**  
APR 27 1978

**METRO SERVICE DISTRICT**

STATE OF OREGON, COUNTY OF MULTNOMAH,—ss.

I, **I. J. CAPLAN**, being first duly sworn, depose and say that I am the Manager of the DAILY JOURNAL OF COMMERCE, a newspaper of general circulation in the counties of CLACKAMAS, MULTNOMAH and WASHINGTON as defined by ORS 193.010 and 193.020; published at Portland in the aforesaid County and State; that the

**NOTICE**

Ad No. **4801**

a printed copy of which is hereto annexed was published in the entire issue of said newspaper

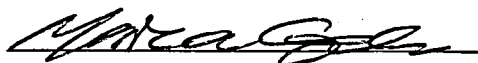
for one ~~times~~ time in the following issues:

April 25, 1978

Case  
No. \_\_\_\_\_

**METROPOLITAN SERVICE DISTRICT**  
NOTICE is hereby given that the governing body of the Metropolitan Service District will meet in regular session on Friday, April 28, 1978, at 2:00 P.M., in the Education Building, at the Washington Park Zoo, 4001 SW Canyon Road, Portland, to consider the following agenda items:  
• Minutes  
• Public Communications  
• Cash disbursements  
• 78-79 Budget Draft  
• Contract 78-152 — Coopers & Lybrand  
• Johnson Creek Flood Control Implementation Alternatives  
• Disposal Siting Alternatives  
• Contracts 78-144 & 78-145 — Design consultants for elephant house and enclosure  
• Zoo Division travel request  
• Other business  
• Informational Reports  
• 2009 Development Plan Design Guidelines & priority projects  
• Agenda item material will be available for public viewing at the Board meeting and at the MSD Office, 1220 SW Morrison, Portland  
Published April 25, 1978 4801-11

Subscribed and sworn to before me this 25 day of April 19 78



Notary Public for Oregon.

My Commission Expires Sept. 6, 1981

This portion may be detached.

DAILY JOURNAL OF COMMERCE, 2014 N.W. 24th Ave., Portland, Ore. 97210

Metropolitan Service District  
1220 S.W. Morrison  
Portland, Oregon

Ad. No. **4801**

APRIL 19, 1978

DAILY JOURNAL OF COMMERCE  
2014 NW 24TH AVENUE  
PORTLAND, OREGON 97210

ENCLOSED IS A NOTICE OF THE APRIL 28, 1978, BOARD MEETING.  
PLEASE PUBLISH ONE TIME ON FRIDAY, APRIL 21, 1978.

THANKS.

JEAN M. WOODMAN  
CLERK OF THE BOARD

ENCL.



## METROPOLITAN SERVICE DISTRICT

NOTICE IS HEREBY GIVEN THAT THE GOVERNING BODY OF THE METROPOLITAN SERVICE DISTRICT WILL MEET IN REGULAR SESSION ON FRIDAY, APRIL 28, 1978, AT 2:00 P.M., IN THE EDUCATION BUILDING, AT THE WASHINGTON PARK ZOO, 4001 SW CANYON ROAD, PORTLAND, TO CONSIDER THE FOLLOWING AGENDA ITEMS:

- . MINUTES
- . PUBLIC COMMUNICATIONS
- . CASH DISBURSEMENTS
- . 78-79 BUDGET DRAFT
- . CONTRACT 78-152 - COOPERS & LYBRAND
- . JOHNSON CREEK FLOOD CONTROL IMPLEMENTATION ALTERNATIVES
- . DISPOSAL SITING ALTERNATIVES
- . CONTRACTS 78-144 & 78-145 - DESIGN CONSULTANTS FOR ELEPHANT HOUSE AND ENCLOSURE
- . ZOO DIVISION TRAVEL REQUEST
- . OTHER BUSINESS
- . INFORMATIONAL REPORTS
- . *Zoo Development Plan Design Guidelines - Priority projects*

AGENDA ITEM MATERIAL WILL BE AVAILABLE FOR PUBLIC VIEWING AT THE BOARD MEETING AND AT THE MSD OFFICE, 1220 SW MORRISON, PORTLAND.



## METROPOLITAN SERVICE DISTRICT

1220 S. W. MORRISON ROOM 300 PORTLAND, OREGON 97205

(503) 248-5470

TO: ALL PERSONS INTERESTED IN LANDFILL SITING  
ALTERNATIVES AGENDA ITEM

FROM: CORDELL KETTERLING  
MANAGER, ENGINEERING & ANALYSIS

DATE: APRIL 20, 1978

The purpose of the landfill siting alternatives agenda item is to present portions of a report identifying potential sites for landfills and transfer stations in the MSD area.

The MSD staff has made a detailed analysis of solid waste disposal siting alternatives. It is the staff's intent to make available a report, not yet completed, to all persons having an interest in landfill siting.

A draft of the report will be distributed to you as soon as it becomes available. A special meeting will then be held for all those interested in siting landfills and transfer stations. The purpose of this meeting will be to discuss the report and its recommendations. If you have any questions, please feel free to contact me.

CK:amn

*Mailed to attached with copy of  
agenda 4-20-78.*

Wally Brassfield \*  
W.H. Gregory Co.  
2105 S.E. 190th Ave.  
Portland, OR 97233

John Trout \*  
Local 281  
1020 N.E. 3rd Avenue  
Portland, OR 97232

Scott Roantree  
Paper Rose Magazine  
1810 S.E. 39th Avenue  
Portland, OR 97214

James Cozzetto \*  
P. O. Box 11457  
Portland, OR 97211

Andy Klein \*  
1928 Council Street  
Forest Grove, OR 97116

City of Cornelius  
PO Box 7  
Cornelius, OR 97113

William Culham \*  
1929 N.E. 10th Avenue  
Portland, OR 97212

Bob Brown  
DEQ, Solid Waste Div.  
P. O. Box 1760  
Portland, OR 97207

City of Beaverton  
4950 S.W. Hall  
Beaverton, OR 97005

Howard Grabhorn \*  
Route 1, Box 849  
Beaverton, OR 97005

Charlie Gray  
DEQ, Solid Waste Div.  
P. O. Box 1760  
Portland, OR 97207

City of Oregon City  
PO Box 631  
Oregon City, OR 97045

Richard Howard \*  
Dept. of Public Works  
2115 S.E. Morrison  
Portland, OR 97214

Peter Ressler  
DEQ, Solid Waste Div.  
P. O. Box 1760  
Portland, OR 97207

City of Milwaukie  
926 Main Street  
Milwaukie, OR 97222

Harold LaVelle \*  
3000 N.E. 82nd Ave.  
Portland, OR 97220

Bob Gilbert  
DEQ, Solid Waste Div.  
P. O. Box 1760  
Portland, OR 97207

City of West Linn  
City Hall  
West Linn, OR 97068

Jeanne McCormick \*  
City of Portland  
400 S.W. 6th Avenue  
Portland, OR 97204

Ernie Schmidt  
DEQ, Solid Waste Div.  
P. O. Box 1760  
Portland, OR 97207

City of Lake Oswego  
PO Box 369  
Lake Oswego, OR 97034

David Phillips \*  
Dept. of Public Works  
902 Abernethy Road  
Oregon City, OR 97045

Mrs. William G. Spady  
16911 S.E. Oatfield Road  
Milwaukie, OR 97222

City of Forest Grove  
1924 Council Street  
Forest Grove, OR 97116

Jerry Powell \*  
Portland Recycling  
1801 N.W. Irving  
Portland, OR 97209

Mrs. John Hoffman  
1445 S.E. Fair Oak Lane  
Milwaukie, OR 97222

City of Hillsboro  
205 South 2nd Street  
Hillsboro, OR 97123

Mike Sandberg \*  
Dept. of Public Health  
150 N. First Street  
Hillsboro, OR 97123

Pete V. Viviano  
14680 S.E. Clatsop  
Portland, OR 97236

City of Sherwood  
PO Box 167  
Sherwood, OR 97140

City of Tigard  
PO Box 23557  
Tigard, OR 97223

Bell Sand & Gravel Co.  
9239 S.E. Bell  
Portland, OR 97006

Wayne Easley  
Waybo, Incorporated  
7580 N. Killingsworth  
Portland, OR 97018

City of Troutdale  
104 Kibling Street  
Troutdale, OR 97060  
ATTN: BOB JEAN

L.H. Cobb Crushed Rock  
8275 S.W. Murray  
Beaverton, OR 97005

Rossmann's Landfill  
1101 - 17th Street  
Oregon City, OR 97045  
ATTN: Jack Parker

City of Tualatin  
PO Box 426  
Tualatin, OR 97062

Columbia Sand & Gravel Co.  
12401 N.E. San Rafael  
Portland, OR 97030

St. Johns Landfill  
9363 N. Columbia Blvd.  
Portland, OR 97203  
ATTN: GENE PLEW

City of Gladstone  
City Hall  
Gladstone, OR 97027

Gresham Sand & Gravel Co.  
2039 S.E. 195th Avenue  
Gresham, OR 97033

Newberg Landfill  
104 S. River Road  
Newberg, OR 97132  
ATTN: ANGUS McPHEE

City of Wood Village  
2055 N.E. 238 Drive  
Troutdale, OR 97060

Hayden Island, Inc.  
I-5 at Jantzen Beach  
Portland, OR 97217

Obrist Landfill  
Route 2, Box 1156  
Troutdale, OR 97060  
ATTN: DON OBRIST

Mr. Cowles Mallory  
City of Portland  
400 S.W. 6th Avenue #313  
Portland, OR 97204

Northwest Sand & Gravel  
7295 S.E. King Road  
Milwaukie, OR 97222

Hillsboro Landfill  
Route 4, Box 143  
Hillsboro, OR 97123  
ATTN: DON LaVELLE

City of Gresham  
150 W. Powell Blvd.  
Gresham, OR 97030

Oregon Excavating, Inc.  
6101 S.E. Johnson Creek Bd.  
Portland, OR 97006

Lakeside Reclamation  
Route 1, Box 849  
Beaverton, OR 97005  
ATTN: HOWARD GRABHORN

City of Fairview  
City Hall  
Fairview, OR 97024

Portland Road & Driveway  
7295 S.E. King Road  
Milwaukie, OR 97222

Land Reclamation, Inc.  
10345 N.E. 13th Avenue  
Portland, OR 97211  
ATTN: WM. PLEW

City of Happy Valley  
12900 S.E. King Road  
Portland, OR 97236

Portland Sand & Gravel  
10717 S.E. Division  
Portland, OR 97066

LaVelle Landfill  
7425 S.E. King Road  
Milwaukie, OR 97222  
ATTN: GLENN LaVELLE

Irv Cooper  
214 Willamette Bldg.  
534 S.W. 3rd Avenue  
Portland, OR 97204

Progress Quarries, Inc.  
14515 S.W. Scholls Ferry Rd.  
Beaverton, OR 97005

H.G. LaVelle Landfill  
3000 N.E. 82nd Avenue  
Portland, OR 97220  
ATTN: HAROLD LaVELLE



Assoc. Gen'l. Contractors  
1008 N.E. Multnomah  
Portland, OR 97232  
ATTN: NORMANDY DENNEY

Washington County  
150 North Main Street  
Hillsboro, OR 97123  
ATTN: ART SCHLACK

Assoc. Builders & Contr.  
7525 S.E. Lake Road  
Milwaukie, OR 97222

Willard Deardort  
12801 S. Liberal Way  
Canby, OR 97013

Metropolitan Disposal Corp.  
P. O. Box 11457  
Portland, OR 97211  
ATTN: RICHARD KUHAU

Mr. William Right  
4530 S.W. Kelley  
Portland, OR 97201

Wash. Co. Haulers Assn.  
139 N.E. Lincoln  
Hillsboro, OR 97123  
ATTN: DEMAR BATCHELOR

SCA Services of Oregon  
232 N.E. Middlefield Rd.  
Portland, OR 97222

Portland Dropbox Assn.  
1508 Standard Plaza  
Portland, OR 97204  
ATTN: C. W. LEICHER

Clackamas Co. Haulers Assn.  
1108 Main Street  
Milwaukie, OR 97222  
ATTN: DALE WARLAN

O.S.S.I.  
4645 18th Place South  
Salem, OR 97302  
ATTN: ROGER EMMONS

San Jose Steel Co.  
PO Box 20025  
Portland, OR 97220  
ATTN: A.P. MESSINA

Environ. Protection Agcy.  
Region X  
1200 Sixth Avenue  
Seattle, WA 98101  
ATTN: DOUGLAS C. HANSEN

Oregon Concrete & Aggr.  
1221 S.W. Main Street  
Portland, OR 97205  
ATTN: ART HEIZENRADER





# METROPOLITAN SERVICE DISTRICT

1220 S.W. MORRISON, ROOM 300, PORTLAND, OREGON 97205

(503) ~~222-3671~~ 248-5470

## MSD BOARD OF DIRECTORS

WASHINGTON PARK ZOO  
EDUCATION BUILDING  
4001 SW CANYON ROAD

APRIL 28, 1978  
2:00 P.M.

## A G E N D A

78-1041  
78-1042

MINUTES  
PUBLIC COMMUNICATIONS

### ADMINISTRATIVE DIVISION

78-1043  
78-1044  
78-1045  
78-1046

CASH DISBURSEMENTS  
1978-79 BUDGET DRAFT  
CONTRACT 78-152 - COOPERS & LYBRAND  
JOHNSON CREEK FLOOD CONTROL IMPLE-  
MENTATION ALTERNATIVES

### SOLID WASTE DIVISION

78-1047

DISPOSAL SITING ALTERNATIVES

### ZOO DIVISION

78-1048  
78-1049  
78-1050

CONTRACTS 78-144 & 78-145 - DESIGN CON-  
SULTANTS FOR ELEPHANT ENCLOSURE & SQUEEZE  
TRAVEL REQUEST  
ZOO DEVELOPMENT PLAN DESIGN GUIDELINES -  
PRIORITY PROJECTS

### OTHER BUSINESS INFORMATIONAL REPORTS



# METROPOLITAN SERVICE DISTRICT

1220 S.W. MORRISON, ROOM 300, PORTLAND, OREGON 97205

(503) 222-3671 248-5470

## MSD BOARD OF DIRECTORS

WASHINGTON PARK ZOO  
EDUCATION BUILDING  
4001 SW CANYON ROAD

APRIL 28, 1978  
2:00 P.M.

## A G E N D A

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1	78-1041	MINUTES
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1	78-1042	PUBLIC COMMUNICATIONS
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### ADMINISTRATIVE DIVISION

10	78-1043	CASH DISBURSEMENTS
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11	78-1044	1978-79 BUDGET DRAFT
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12	78-1045	CONTRACT 78-152 - COOPERS & LYBRAND
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13	78-1046	JOHNSON CREEK FLOOD CONTROL IMPLE- MENTATION ALTERNATIVES
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### SOLID WASTE DIVISION

30	78-1047	DISPOSAL SITING ALTERNATIVES
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### ZOO DIVISION

31	78-1048	CONTRACTS 78-144 & 78-145 - DESIGN CONSULTANTS FOR ELEPHANT ENCLOSURE & SQUEEZE
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33	78-1049	TRAVEL REQUEST
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34	78-1050	ZOO DEVELOPMENT PLAN DESIGN GUIDELINES - PRIORITY PROJECTS
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OTHER BUSINESS

35	78-1051	VARIANCE OF MSD USER FEES REQUESTED BY PORTLAND BUREAU OF NEIGHBORHOOD ENVIRON- MENT
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38	78-1052	VARIANCE OF MSD USER FEES REQUESTED BY OAK GROVE FIRE DISTRICT
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41	78-1053	MODIFICATION OF VARIANCE GRANTED TO PORTLAND ROAD & DRIVEWAY FOR THE DIS- POSAL OF CONCRETE
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INFORMATIONAL REPORTS

ZOO DIVISION

JAPANESE GARDENS

78-1041 MINUTES

THE FOLLOWING PAGES CONTAIN THE MINUTES FOR THE APRIL 14, 1978, BOARD MEETING. THE STAFF RECOMMENDS APPROVAL OF THE BOARD MINUTES.

78-1042 PUBLIC COMMUNICATIONS

THIS AGENDA ITEM ALLOWS THE BOARD TO CONSIDER COMMENTS FROM THE PUBLIC ON MATTERS NOT LISTED ON THE MEETING AGENDA.

78-1043 CASH DISBURSEMENTS

THE ACCOUNTING DEPARTMENT HAS PREPARED CHECKS NUMBERED FROM 2292 TO 2438 FROM PAYMENT REQUESTS RECEIVED WHICH WERE APPROVED AND WITHIN THE MSD BUDGET.

THE STAFF RECOMMENDS APPROVAL OF CHECKS 2292 TO 2438 FOR CHECK REGISTERS DATED APRIL 25, 1978 IN THE AMOUNT OF \$48,324.78, AND APRIL 28, 1978, IN THE AMOUNT OF \$63,393.49.

METROPOLITAN SERVICE DISTRICT  
BOARD ACTION

NO. 78-1043 DATE 4-28-78  
YES NO ABST

BARTELS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
BUCHANAN	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
McCREADY	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MILLER	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ROSENTH	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SALVIST	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SCHWABER	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

*Jean M. Wood*  
Chairman of the Board



78-1044 1978-79 BUDGET DRAFT

SUBMITTED UNDER SEPARATE COVER IS THE 1978-79 PROPOSED MSD BUDGET DRAFT. IT IS REQUESTED THAT YOU CONSIDER THIS ITEM AND PROVIDE COMMENTS SO THAT BUDGET APPROVAL CAN OCCUR ON MAY 12, 1978.



# METROPOLITAN SERVICE DISTRICT

1220 S.W. MORRISON, ROOM 300, PORTLAND, OREGON 97205

(503) ~~222-3171~~ 248-5470

APRIL 14, 1978

## ROUGH CUT

### BUDGET IMPACT OF BALLOT MEASURE 6 (FY 78-79)

#### ASSUMPTIONS

1. NEW BOARD PER DIEM PLUS EXPENSES FOR 12 MEMBERS IS \$200 PER MONTH.
2. CHIEF EXECUTIVE AND STAFF WOULD INCLUDE:
  - . CHIEF EXECUTIVE
  - . DEPUTY EXECUTIVE
  - . SECRETARY
3. CHIEF EXECUTIVE STAFF COSTS WOULD BE DIVIDED EQUALLY BETWEEN EACH OPERATING DIVISION.
4. CONSULTING REQUIRED TO INTEGRATE CRAG AND MSD FUNCTIONS INCLUDING ACCOUNTING SYSTEMS, MANAGEMENT, PERSONNEL, CONTRACT CONTROL, BOARD LIAISON, AND BUDGET CONTROL MUST BE PERFORMED DURING FY 78-79. THIS COST WOULD BE ONE TIME AND THIS ANALYSIS ASSUMES LITTLE WORK SUPPLIED BY OPERATING DIVISION PERSONNEL.
5. STAFFING COSTS WOULD BE CONTINUOUS AND COULD BE REDUCED BY TRANSFERRING OPERATING DIVISION PERSONNEL TO CHIEF EXECUTIVE STAFF.

### ESTIMATED COSTS

. BOARD PER DIEM PLUS EXPENSES 6 MONTHS @ \$200 = \$1,200

. SALARIES (SIX MONTHS)

CHIEF EXECUTIVE	\$17,000	
DEPUTY EXECUTIVE	13,750	
SECRETARY	6,200	
FRINGES	9,200	<u>46,150</u>

. CONSULTANT COSTS

MANAGEMENT INTEGRATION	\$10,000	
PERSONNEL MANUAL	2,000	
PERSONNEL CLASSIFICATION AND BENEFITS	9,000	
ACCOUNTING SYSTEM INTEGRA- TION	40,000	
AUDIT REVIEW	10,000	
NEW ORDINANCE AND LEGAL INTEGRATION	15,000	
BUDGET SYSTEM INTEGRATION	7,000	<u>93,000</u>

ESTIMATED TOTAL COST

\$140,350

### BUDGET IMPACT

. ZOO DIVISION	\$46,780
. SOLID WASTE DIVISION	\$46,780
. PLANNING DIVISION	\$46,780

78-1045 CONTRACT 78-152 - COOPERS & LYBRAND

UNDER SEPARATE COVER IS A DRAFT AGREEMENT FROM OUR CURRENT AUDITORS COOPERS AND LYBRAND, FOR FY 77-78 AUDIT SERVICES. THE CONTRACT STATES THE COST OF THE AUDIT SHALL NOT EXCEED \$10,400 PLUS EXPENSES UP TO \$350. THE AMOUNT FOR THIS AUDIT WILL BE EVALUATED NEXT YEAR AND PROPOSALS WILL BE REQUESTED.

IT SHOULD BE POINTED OUT THAT THE STAFF IS RECOMMENDING CONTINUING COOPERS AND LYBRAND AS OUR AUDITORS FOR ANOTHER YEAR WITHOUT SOLICITING PROPOSALS. FURTHER, WE ARE REQUESTING A VARIANCE FROM MSD ADMINISTRATIVE PROCEDURE No. 7 IDENTIFYING CONTRACT 78-152 AS AN EMERGENCY AGREEMENT.

THE STAFF RECOMMENDS APPROVAL OF CONTRACT 78-152 IN AN AMOUNT NOT TO EXCEED \$10,400 PLUS EXPENSES NOT TO EXCEED \$350, AND REQUESTS AUTHORIZATION FOR A VARIANCE UNDER MAP 7 DEFINING CONTRACT 78-152 AS AN EMERGENCY AGREEMENT.

METROPOLITAN SERVICE DISTRICT  
BOARD ACTION

NO. 78-1045 DATE 4-28-78

	YES	NO	ABST.
BARTELS	<input checked="" type="checkbox"/>		
BUCHANAN	<input checked="" type="checkbox"/>		
McCREADY	<input checked="" type="checkbox"/>		
MILLER	<input checked="" type="checkbox"/>		
ROBNETT	<input checked="" type="checkbox"/>		
SALQUIST	<input checked="" type="checkbox"/>		
SCHUMACHER	<input checked="" type="checkbox"/>		

*John M. Wood*  
Clerk of the Board

## 78-1046 JOHNSON CREEK FLOOD CONTROL IMPLEMENTATION ALTERNATIVES

SUBSEQUENT TO RECEIVING A RECENT PETITION ABOUT FLOODING ON JOHNSON CREEK, MAYOR ROBNETT SUBMITTED A LETTER TO THE MSD BOARD AS SHOWN IN ATTACHMENT 1. AS YOU MAY REMEMBER, THE MSD BOARD, IN MAY 1976, ADOPTED ORDINANCE No. 38 (ATTACHMENT No. 2) THAT WOULD INITIATE FLOOD CONTROL MEASURES ON JOHNSON CREEK IF FRONT-END MONEY COULD BE FOUND. NONE COULD BE FOUND AND THE PROJECT REMAINS DORMANT.

THE BOARD, AT THE LAST MEETING, DIRECTED STAFF TO RETURN WITH SEVERAL POSSIBLE IMPLEMENTATION ALTERNATIVES. FURTHER, THAT ALTERNATIVES SHOULD BE CONSIDERED BY THE ENTIRE BOARD, ESPECIALLY BY THOSE BOARD MEMBERS WHOSE JURISDICTIONS INCLUDE PORTIONS OF THE JOHNSON CREEK BASIN. THEREFORE, THIS REPORT IS AN ATTEMPT TO ACCOMPLISH THAT TASK.

### RECENT HISTORY

SINCE 1975, JOHNSON CREEK BASIN HAS EXPERIENCED PROBABLY ONE OF ITS DRYEST YEARS AND ONE OF ITS WETTER YEARS. SINCE THE DROUGHT CONDITIONS OF 1976, THE WINTER OF 1977-78 EXHIBITED TWO FLOODS (EXCEEDING BANK FULL AT SYCAMORE GAGING STATION). THESE FLOODS CAUSED PROPERTY DAMAGE IN THE LENTS AREA AS EVIDENCED BY THREE TO FOUR FEET OF WATER COVERING FOSTER ROAD NEAR 103RD AND S.E. FOSTER.

THE MSD STAFF WORK DURING 1975 DISCOVERED THAT AN INCREASING FLOOD FREQUENCY WILL RESULT AS BUILDING CONTINUES IN THE BASIN. FURTHER, THE STAFF PROJECTED FLOOD FREQUENCIES OF 1.55 YEARS. WE ALSO POINTED OUT THAT WITH THE CONSTRUCTION OF THE JOHNSON CREEK INTERCEPTOR, ADDITIONAL DEVELOPMENT PRESSURE WOULD RESULT. AT THE PRESENT TIME, NO LOCAL JURISDICTIONS IN THE BASIN HAVE FULLY ADDRESSED JOHNSON CREEK DRAINAGE AND FLOOD CONTROL ISSUES.



THE JOHNSON CREEK SURFACE DRAINAGE BASIN BOUNDARY WAS DETERMINED TO BE DIFFERENT THAN THE GROUND WATER BASIN FLOW. THIS MAY NOT BE TOO UNUSUAL, EXCEPT THAT THE GROUND WATER BASIN BOUNDARY IS LARGER THAN THE SURFACE DRAINAGE BOUNDARY. FLOOD DAMAGE ESTIMATES BY THE CORPS OF ENGINEERS TOTALLED IN EXCESS OF \$400,000 PER YEAR IN 1974. WATER QUALITY PROBLEMS ALSO EXIST IN CERTAIN AREAS AS DETERMINED IN A RECENT ANALYSIS BY THE DEPARTMENT OF ENVIRONMENTAL QUALITY. A PRIMARY GEOGRAPHICAL PROBLEM IS CAUSED BY THE LOW OR FLAT AREA NEAR S.E. 100TH AVENUE, AS SHOWN IN THE STREAM PROFILE (ATTACHMENT 3). TECHNICAL SOLUTIONS COULD INCLUDE CUTOFF OF STREAM MEANDERS, CLEAN OUT AND STREAM MAINTENANCE, MONITORING POINT SOURCES, INSTALLATION OF DETENTION BASINS, DEVELOPMENT OF LOWLAND PARKS, REBUILDING BANKS AND ELIMINATING RESTRICTIONS.

AN IMPEDIMENT TO IMPLEMENTING FLOOD CONTROL MEASURES ON JOHNSON CREEK IS THAT ALL OF THE STREAM BED IS IN PRIVATE OWNERSHIP. OBTAINING EASEMENTS OR DIRECT PURCHASE OF THIS PROPERTY WILL BE COSTLY, BUT A NECESSARY FIRST STEP TO MANAGE THE SYSTEM.

#### SUMMARY

IN SUMMARY, WE HAVE BEEN DOWN THIS ROAD BEFORE. THE SOLUTION TO FLOOD MANAGEMENT ON JOHNSON CREEK IS MULTI-FACETED. SOME OF THE REALITIES TO BE CONSIDERED ARE:

1. THE SOLUTION WILL COST A LOT OF MONEY. I DO NOT KNOW HOW MUCH.
2. THE PUBLIC IN 90 PERCENT OF THIS BASIN WILL OPPOSE FINANCING ANY SOLUTION.
3. IT IS QUESTIONABLE WHETHER THE PEOPLE IN THE FLOOD PLAIN CAN GET TOGETHER AND SUPPORT ANY PARTICULAR TECHNICAL SOLUTION.
4. THE SOLUTION SHOULD CONSIDER STRUCTURAL, NON-STRUCTURAL, SOCIAL, FINANCIAL AND ENVIRONMENTAL IMPACTS.

5. OWNERSHIP OF THE STREAM BED MUST BE CHANGED FROM PRIVATE TO PUBLIC.
6. LOCAL GOVERNMENTS MUST BE TOTALLY COMMITTED TO SOLVING THE PROBLEM AND SPEND TIME AND MONEY TO THAT END.
7. LAND USE POLICIES SHOULD BE DEVELOPED BY LOCAL OR REGIONAL GOVERNMENTS TO COORDINATE DEVELOPMENT WITH DRAINAGE MANAGEMENT.
8. THE STATE HAS SHOWN LITTLE INTEREST IN ADDRESSING JOHNSON CREEK FLOOD CONTROL (ATTACHMENT 4)
9. WATER QUALITY IN SEVERAL AREAS ALONG THE CREEK IS POOR.
10. THE MSD HAS NO MONEY TO SOLVE THE PROBLEM.

#### ALTERNATIVES

THE FOLLOWING ARE ALTERNATIVES THAT CAN BE CONSIDERED BY THE MSD BOARD.

1. THE MSD SHOULD SEEK FUNDING THROUGH THE STATE OR FEDERAL AGENCIES TO BEGIN IMPLEMENTATION OF A JOHNSON CREEK DRAINAGE MANAGEMENT UTILITY AS DEFINED IN MSD ORDINANCE No. 38.
2. THE MSD SHOULD SEEK FUNDING FROM CONTRIBUTING LOCAL JURISDICTIONS AND STATE OF OREGON HIGHWAY DEPARTMENT TO ESTABLISH A SERIAL LEVY WITHIN THE JOHNSON CREEK BASIN.
3. THE MSD SHOULD SEEK FUNDING FROM LOCAL JURISDICTIONS TO ESTABLISH TAX BASE OR SERIAL LEVY WITHIN THE ENTIRE MSD TO DEVELOP SOLUTIONS FOR MULTI-JURISDICTIONAL DRAINAGE BASINS.
4. THE MSD SHOULD REQUEST THAT CRAG IDENTIFY THE JOHNSON CREEK BASIN AS AN AREA OF REGIONAL CONCERN, PURSUANT TO ORS CHAPTER 197.
5. DO NOTHING.

April 14, 1978

TO: MSD Board of Directors

FROM: James Robnett

SUBJECT: JOHNSON CREEK PETITION

I feel strongly that we should heed the recent petition that was received from citizens whose property is being flooded by Johnson Creek.

While these people are being flooded out of their homes and businesses one to three times per year, unrestricted development continues at a rapid pace within the upper Johnson Creek Basin. Each new roof, driveway, parking lot, patio and street adds to the flooding problem. All of the water formerly absorbed by the soil, the trees and the woody plants now gets dumped into the creek.

There are plans being discussed (perhaps implemented) at present to build large residential sub-divisions in Pleasant Valley from Foster Road to the Clackamas County line along Southeast 148th Avenue and Barbara Welsh Road. Other plans call for condominium, apartment and single residential development on the upper slopes of Mt. Scott between the Happy Valley city limits and Lincoln Memorial Cemetary. Further, the lower slopes of Mt. Scott along Southeast Flavel to Johnson Creek are already being developed or there are plans for development. Inside Gresham, development is almost completed.

The undeveloped slopes of Mt. Scott are at present either covered with second growth timber or they are in open space use for cemeteries. The grades on this hillside run from a minimum of 12% to a maximum of 55%. Much of the land adjacent to Happy Valley slopes at a grade of 25% or more.

Land use planners feel building should be controlled and restricted on land over 12% grade because of water run-off and perhaps sliding problems.

In Pleasant Valley, the land is now used for farming or covered with timber. Part of the land in Pleasant Valley is also very steep.

I have been told that one tree over 8" in diameter will absorb as much as 500 gallons of water per day. Thus trees are one of the very best means of flood control. Their removal in the Johnson Creek Basin should be carefully controlled.

In Chuck Kempers cover letter with the Johnson Creek petition he offers three courses of action. The "do nothing option" is unacceptable to me and I sincerely hope it is unacceptable to other members of the MSD Board.

Some additional options we could explore are as follows:

1. Ask CRAG and local jurisdictions to restrict new building in the Johnson Creek Basin in a way that will allow all water formerly absorbed by the soil or trees on that property to be dispersed and contained on that property. Happy Valley is currently developing such ordinances. This is partially included in MSD Ordinance No. 38.

2. Ask local jurisdictions to provide the money needed to hold an election on MSD Ordinance No. 38 on a per capita basis.
3. Enact an ordinance that controls the removal of trees and woody plants from hillsides over 12% grade within the Johnson Creek Basin. Happy Valley is currently developing a similar ordinance.
4. Seek federal, state or local funding for the design and construction of flood control facilities along Johnson Creek including dikes, holding ponds and channel straightening. No further studies are needed, the system should be designed and constructed.

Thank you for considering these suggestions.

cc: CRAG  
City of Happy Valley  
City of Portland  
City of Gresham  
City of Milwaukie  
Multnomah County  
Clackamas County



ATTACHMENT 2.

METROPOLITAN SERVICE DISTRICT

ORDINANCE NO. 38

An Ordinance adopting a program of drainage management for the Johnson Creek Drainage Basin; providing for administration, planning, maintenance and acquisition of temporary easements; providing for financing through service charges; providing for collection of service charges and prescribing a termination date.

APPROVED METROPOLITAN  
SERVICE DISTRICT  
BOARD OF DIRECTORS

ACTION NO. 26-619

DATE 2-23-26

BY *James M. Wood*  
CLERK OF THE BOARD

ORDINANCE NO. 38

The Metropolitan Service District hereby ordains:

Section 1. Short Title.

This Ordinance shall be known as the Johnson Creek Drainage Management Ordinance and may be so cited and pleaded and shall be cited herein as "this ordinance".

Section 2. Codification.

This ordinance may be codified in the Code of the MSD.

Section 3. Findings.

The Board finds that:

A. The Metropolitan Service District is authorized under ORS 268.030 to provide metropolitan aspects of surface water control.

B. Johnson Creek flooding and related problems have been plaguing Southeast Portland and portions of Multnomah and Clackamas County for at least forty years.

C. Annual flood costs to existing improvements average \$476,000.

D. Local jurisdictions have been unable to coordinate a workable solution to the Johnson Creek problems.

E. The channel improvements recommended in the April, 1975 Design Memorandum - Johnson Creek at Portland by the Corps of Engineers could result in negative environmental impacts without a detailed evaluation of possible alternatives.

F. The Corps of Engineers is currently authorized by a resolution of the Committee on Public Works of the United States Senate to undertake the Portland-Vancouver Metropolitan Area Water

## Resources Study.

G. The Corps' Water Resources Study provides the means to develop a comprehensive drainage management plan for the Johnson Creek Basin.

I. Creek maintenance (cleaning and grubbing) will be necessary regardless of the alternative drainage management plan selected.

J. Maintenance easements are required prior to any maintenance program.

K. Public participation in developing the comprehensive plan is desirable.

L. Every property within the Johnson Creek Drainage Basin contributes some runoff to the flow in the Creek.

M. Funding of drainage management programs should be the burden of all property owners contributing to the problem.

### Section 4. Purpose.

A. The purpose of this ordinance is to:

(1) Protect the health, safety and welfare of the people in the District, and especially those who reside in the Johnson Creek Drainage Basin;

(2) Reduce damage and inconvenience caused by flooding and drainage problems within the basin;

(3) Provide an optimum solution to the drainage problems throughout the basin;

(4) Protect the natural qualities of the stream system while providing adequate drainage.

(5) Develop a long-range drainage management plan in cooperation with the Corps of Army Engineers and local jurisdictions and citizens within the basin.

B. This ordinance shall be liberally construed for the accomplishment of these purposes.

Section 5. Definitions.

As used in this ordinance, unless the context requires otherwise:

- A. Basin. Basin means the Johnson Creek Drainage Basin as located on the map attached as Exhibit A to this ordinance.
- B. Board. Board means the Board of Directors of the Metropolitan Service District.
- C. District. District means the Metropolitan Service District.
- D. Impervious Surface. Impervious surface means any man-made surface which water will not penetrate, including without limitation, concrete, asphalt, roofing material and bricks.
- E. MSD. MSD means the Metropolitan Service District.
- F. Manager. Manager means the chief administrative officer of the MSD.
- G. Person. Person means any individual, corporation, industry, partnership, association, firm, trust or estate.
- H. Program. Program means the Johnson Creek Drainage Management Program.
- I. Rural Area. Rural area means that area in the Basin designated rural on Exhibit A.
- J. Service Charge. Service charge means a charge for services rendered by the District in administering, implementing and operating this ordinance.

K. Urban Area. Urban area means that area in the Basin designated urban on Exhibit A.

L. Vacant Land. Vacant land means land that has less than one percent impervious surface coverage.

Section 6. Rules and Regulations.

The Board may promulgate rules and regulations for the administration and implementation of this ordinance.

Section 7. Administration.

The Manager shall be responsible for the administration, implementation and operation of this ordinance and any rules and regulations promulgated hereunder. In order to implement this ordinance, the Manager shall have the authority to:

- A. Make contracts on behalf of the District.
- B. Negotiate and execute easements on behalf of the District.
- C. Obtain necessary permits for removal of gravel and sand.

Section 8.

The Board authorizes and approves a 3-year Johnson Creek Drainage Management Program beginning July 1, 1976 which will include:

- A. Securing access to Johnson Creek for maintenance purposes only.
- B. Maintaining Johnson Creek by clearing debris, fallen trees and overgrown brush and removing sand and gravel deposits impeding the flow of water.
- C. Reducing bank erosion.
- D. Developing a long-range drainage management plan



with the Corps of Army Engineers and local jurisdictions and citizens within the Basin.

E. Developing a program of citizen involvement in planning, maintenance and Program implementation.

F. Developing a site control ordinance.

Section 9. Service Charges.

A. The administration, implementation and operation of the Program and this ordinance shall be paid for by service charges. The Board shall set the service charges annually by ordinance. Service charges will be levied against the property within the basin in accordance with the amount of impervious surface on urban land and on gross area of land for vacant and rural land.

B. Service charges will be levied annually for two years, for fiscal year July 1, 1977 - June 30, 1978 and fiscal year July 1, 1978 - June 30, 1979.

C Service charges shall not exceed:

Max.Rate per Unit	Unit	Applicable Land uses	Max.Total Annual fee
\$1.00	Acre	Vacant	\$5.00
\$1.00	5 acres	Rural	\$50.00
\$.005	sq. ft. of imper- vious surface	Urban-single family residential	\$20.00
\$.005	Sq. ft. of imper- vious surface	Urban-all others (commercial, indust., multi-family, etc.)	\$400.00

Section 10. Easements/Condemnation.

A. The easements to be used in the program shall be in a form similar to the form of easement attached as Exhibit B. Variations may be made from this form if approved by the Manager and the property owner.

B. The power of condemnation shall not be used by the District to secure easements necessary to implement this ordinance, except as provided in subsection 10(C).

C. A property owner may perform those maintenance and cleaning functions contemplated by this ordinance and approved by the Manager for those portions of Johnson Creek in which the owner has an interest. If a property owner refuses to maintain and clean the owner's portion of Johnson Creek, and if the owner refuses MSD permission by easement or otherwise to gain access to the owner's portion of Johnson Creek and to perform the maintenance and cleaning duties deemed necessary by the Manager, then MSD may use its condemnation power in accordance with law.

Section 11. Collection of Service Charges.

A. Service charges will be determined and billed to property owners prior to the beginning of each fiscal year and shall be due and payable within 30 days from the date of billing. All service charges shall be payable to the Metropolitan Service District and all money received by the MSD under this ordinance shall be deposited in the Johnson Creek Drainage Management Account and shall be used only for the administration, operation and implementation of the Program, this ordinance and any rules and regulations promulgated hereunder.

B. Any property owner who considers the service charges applicable to his/her property to be inequitable may apply to the Manager for adjustment thereof. Such application shall be made in writing within 20 days after billing and shall specify why the charge is inequitable. The Manager may affirm, deny or modify the service charges previously made against the specific property. If

dissatisfied with the Manager's decision, the property owner may request the Board to review his/her application and the Manager's decision. Such request shall be in writing and made within 20 days after the Manager's decision. The Board shall notify the property owner of the time and place the Board will consider the request for review, and the property owner shall have the right to be heard on the request.

Section 12. Johnson Creek Citizens Advisory Committee.

The Board approves and creates, during the term of this Ordinance, a Johnson Creek Citizen Advisory Committee. The Committee will advise the Board and the Manager on all matters related to the operation and implementation of the Johnson Creek Drainage Management Program. The Board will appoint the Committee members from jurisdictions within the Basin:

Clackamas County - 3 members

Multnomah County - 4 members

Happy Valley - 1 member

Portland - 5 members

Milwaukie - 2 members

Gresham - 3 members

The Committee may select such officers and adopt such rules and meeting schedules as deemed appropriate and necessary by the Committee members. The Committee will comply with the Oregon Public Meeting Law. Staff assistance will be provided by the District. Nominations for Committee membership may be made at any time by any person to the Board.

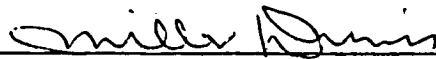
Section 13. Savings Clause.

In the event any provision or section of this ordinance is declared invalid, such declaration shall not affect the validity of any other provision or section herein, which sections and provisions shall remain in full force and effect.



Section 14. Termination.

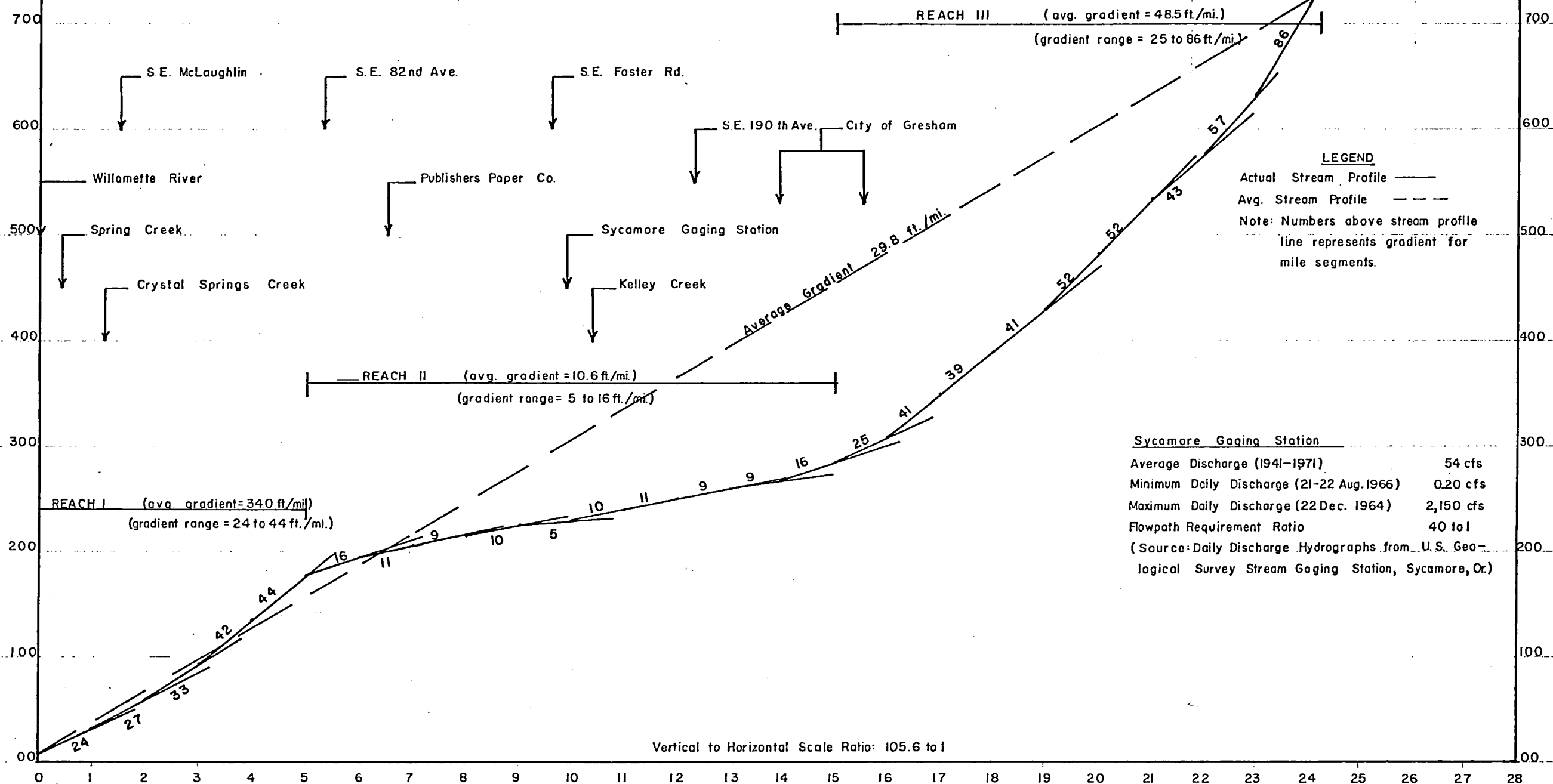
This ordinance and the Program shall terminate effective June 30, 1979. Any surplus service charges remaining at the termination of the Program will at the Board's discretion, be returned to the property owners in an amount proportionate to the amount originally paid by each property owner, or to the local jurisdictions in an amount proportionate to their respective population in the Basin for services or work being, or to be performed, by such local jurisdictions directly related to Johnson Creek drainage problems.



Miller Duris, Vice Chairman

ELEVATION (Ft.)

ELEVATION (Ft.)



DISTANCE FROM CONFLUENCE WITH WILLAMETTE RIVER (River Mile)

# LONG STREAM PROFILE FOR JOHNSON CREEK

Source: U.S. Geological Survey  
Topographic Maps



## WATER RESOURCES DEPARTMENT

1178 CHEMEKETA STREET N.E. • SALEM, OREGON • 97310 • Phone 378-3671

ROBERT W. STRAUB  
GOVERNOR

May 4, 1976

John Hanke  
Office Engineer  
Metropolitan Service District  
527 S.W. Hall  
Portland, OR 97201

Dear Mr. Hanke:

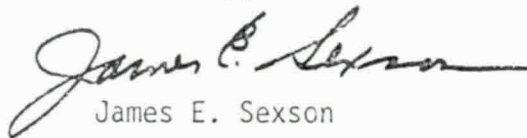
This letter is in answer to your request that the Water Resources Department act on behalf of the Metropolitan Service District in requesting a \$150,000 grant from the State Emergency Board.

Your proposal, as outlined in "Drainage Management in the Johnson Creek Basin", November 1975, appears to be a very valid and reasonable approach to solving the flooding problem.

Before the Water Resources Department could act on your behalf, however, we would prefer to have an indication of strong public support for your proposal. According to the information I have received, most of the testimony at the recent hearings you held was in opposition to the flood management plan.

If you can provide us with evidence of residential interest in your proposal, we will gladly reconsider your request.

Sincerely,



James E. Sexson

JES/DL:slv

cc: The Honorable Jason D. Boe  
Oregon State Senate

The Honorable Philip D. Lang  
Oregon House of Representatives

Janet McLennan, Assistant to the Governor  
for Natural Resources

78-1047 DISPOSAL SITING ALTERNATIVES

THE STAFF WILL PROVIDE A 30 MINUTE ORAL PRESENTATION FOCUSING ON PRELIMINARY FINDINGS AND TENTATIVE RECOMMENDATIONS FOR THE SOLID WASTE DISPOSAL SITING ALTERNATIVES STUDY.

78-1048 CONTRACTS 78-144 & 78-145 - DESIGN CONSULTANTS FOR  
THE ELEPHANT ENCLOSURE AND ELEPHANT SQUEEZE

FOLLOWING PROCEDURES AS PROVIDED IN MAP 7 STAFF REQUESTED PROPOSALS FOR DESIGN OF THE ELEPHANT ENCLOSURE AND ELEPHANT SQUEEZE (A HIGH PRIORITY PROJECT IN THE DEVELOPMENT PLAN). A NUMBER OF FIRMS RESPONDED AND A SELECTION COMMITTEE REVIEWED THOSE RESPONSES AND RECOMMENDED THAT THREE FIRMS MAKE ORAL PRESENTATIONS.

AFTER HEARING THE ORAL PRESENTATIONS AND ASKING QUESTIONS OF THE PRESENTORS THE SELECTION COMMITTEE RATED THE FIRMS AND RECOMMENDED TO THE ZOO DIVISION DIRECTOR THAT THE FIRM OF CH2M HILL BE AWARDED THE CONTRACTS. THE DIRECTOR ACCEPTED THIS RECOMMENDATION AND THE FIRMS WERE NOTIFIED.

AFTER PRELIMINARY DISCUSSIONS IT WAS DETERMINED TO APPROACH THE PROJECT THROUGH TWO CONTRACTS WITH CH2M HILL, ONE FOR THE DESIGN OF THE ENCLOSURE AND A SECOND FOR A FEASIBILITY STUDY OF THE ELEPHANT SQUEEZE TO DETERMINE WHETHER SUCH A DEVICE CAN BE DESIGNED AND BUILT AT A REASONABLE COST. IF THE RESPONSE IS AFFIRMATIVE A DESIGN CONTRACT WILL BE NEGOTIATED.

CONTRACT 78-144 PROVIDES FOR THE DESIGN OF THE ELEPHANT ENCLOSURE FOR A MAXIMUM OF \$24,000 FOR BASIC SERVICES PERFORMED IN ACCORDANCE WITH SECTION II OF THE SCOPE OF WORK ATTACHED.

IF MSD REQUESTS OTHER SERVICES AS DEFINED IN SECTION III OF THE SCOPE OF WORK, MSD WILL PAY THE CONSULTANT BASED ON THE CONSULTANT'S PAYROLL COST TIMES A MULTIPLIER OF 2.3 PLUS DIRECT EXPENSES AS DEFINED IN THE CONTRACT. HOWEVER, THESE SERVICES CAN BE PROVIDED BY ZOO PERSONNEL OR SOMEONE ELSE IF MSD SO DECIDES.

THE CONTRACT HAS BEEN REVIEWED BY LEGAL COUNSEL AND STAFF  
RECOMMENDS APPROVAL OF CONTRACT 78-144 AND AUTHORIZATION FOR  
THE CHAIRMAN'S SIGNATURE.

CONTRACT 78-145 FOR THE FEASIBILITY STUDY FOR THE ELEPHANT SQUEEZE  
WILL TAKE INTO CONSIDERATION THOSE FACTORS OUTLINED IN THE CONTRACT  
INCLUDING ABILITY TO IMMOBOLIZE OR RESTRICT ELEPHANTS OF VARIOUS  
SIZES, USE OF PORTABLE SCALES AND MODIFICATIONS OF ENCLOSURE TO  
ACCOMMODATE RESTRAINING DEVICE FOR A COST NOT TO EXCEED \$5,000.  
WORK ON THIS STUDY WILL COMMENCE ON MAY 15 AND BE COMPLETED BY  
JUNE 15. AT THAT TIME THE BOARD WILL DETERMINE WHETHER TO  
PROCEED WITH THE DESIGN OF SUCH A SQUEEZE.

THE CONTRACT HAS BEEN REVIEWED BY LEGAL COUNSEL AND STAFF  
RECOMMENDS APPROVAL OF CONTRACT 78-145 AND AUTHORIZATION FOR  
THE CHAIRMAN'S SIGNATURE.

METROPOLITAN SERVICE DISTRICT  
BOARD ACTION

NO. 78-1048 DATE 4-28-78

	YES	NO	ABST.
BARTELS	/		
BURMAN	/		
MCGREADY	/		
MILLER	/		
ROBNETT	/		
SALQUIST	/		
SCHUMACHER	/		

*John N. Ward*  
Clerk of the Board

# ELEPHANT ENCLOSURE

## APPENDIX A

### SCOPE OF WORK

#### I. DESCRIPTION OF PROJECT.

In order to improve, modify and expand the existing elephant facilities at the Washington Park Zoo, CONSULTANT will furnish Basic Services (defined in Section II) and Other Services (defined in Section III) required to construct a new exterior exhibit enclosure, relocate manure and hay storage, and provide a new visitors' viewing area described as follows:

A. STORAGE AREAS - Appropriate storage areas will be provided to accommodate Zoo specified volumes of hay and manure. Hay storage must be protected from the weather and may be included in the existing building if sufficient is available. Additional space for hay storage may be created by enlarging the building as required. The existing manure bunker will be relocated to provide suitable access for placing and removing manure.

B. EXTERIOR ENCLOSURE - An exterior exhibit area will be provided of approximately one acre in size east of the existing building. Grades will be modified and an appropriate substrate will be designed for easy maintenance in terms of drainage, for visual appearance and for animal health. The enclosure must provide a shelter for the elephants, feeding and watering, and a "scratching post" located in the central portion of a concrete pad. The enclosure should be moated in such a way as to diminish visual obstructions and to provide a natural setting. The moat should be designed with a layer of cushion material to absorb shock when an animal falls in and should be equipped to allow elephants access back to the enclosure area with a minimum of difficulty or keeper assistance. A pool and/or mud hole should be provided separate from fresh drinking water and feeding areas. Drainage of all exhibit areas and the moat is of utmost importance to keeper efficiency and proper health care and should be given special consideration. Vehicle access to the enclosure will also be provided in the design. Access will be from the service road on the south side of the existing building. Grading of the enclosure will be designed to provide an unobstructed view of the exhibit area for train passengers and adjacent pedestrian walkways, if provided.

C. VISITORS' VIEWING AREA - Pedestrian viewing areas will be provided on the hill north of the enclosure and train viewing areas along the east and south sides. Plant materials and land forms should provide a variety of viewing experiences and diminish barriers and buildings. The design shall include visitor seating along the upper slopes to the north of the enclosure and adequate quadrails to insure that viewers are kept at a safe distance.

## II. BASIC SERVICES.

Basic Services to be furnished by CONSULTANT are defined as follows:

A. PREDESIGN SERVICES - Prepare a preliminary design and schematic drawings indicating location, general layout, aesthetic considerations, and related matters with cost estimate, and discuss the recommendations and cost estimate with representatives of MSD.

B. FINAL DESIGN SERVICES - Prepare bidding documents, construction plans, specifications, and estimates of cost, as customarily made available for construction of this type of project based on the approved preliminary report.

### C. SERVICES DURING CONSTRUCTION -

1. Furnish sufficient copies of plans and specifications for obtaining bids and for construction.

2. Assist MSD in receiving and tabulating construction and/or materials proposals; report the results to MSD; and assist in awarding the contract(s) for construction and/or materials.

3. Meet with representatives of MSD when requested and necessary for consultation or conferences in regard to construction of the PROJECT.

4. Provide interpretations of the plans and specifications.

5. Make periodic visits to the site of the PROJECT to observe the progress and quality of the work and to determine if the work is proceeding in accordance with the intent of the Contract Documents.



6. Coordinate the work of laboratories in the inspection and test of materials used in the construction; receive and evaluate all reports by such laboratories or bureaus.

7. Review shop drawings, diagrams, illustrations, catalog data, schedules and samples, the results of tests and inspections, and other data which the contractor is required to submit for conformance with the design concept of the PROJECT and compliance with the information given in the Contract Documents.

8. Supervise the work of the on-site inspection personnel and other field personnel.

9. Submit monthly progress payment recommendations and process contract change orders.

10. Make a final inspection of the construction jointly with representatives of MSD and submit a final report upon which final settlement and termination of the construction contract(s) can be based.

11. Make such visits to the PROJECT site as may be necessary to assist MSD in taking over operation of the PROJECT. This shall be done to determine if the equipment and facilities are operating properly, to familiarize MSD with the operating and functioning of the PROJECT, and to review performance of items under the contractor's guarantee. Such visits as these made prior to the CONSULTANT'S recommendations for final payment to the construction contractor shall be regarded as a part of SERVICES DURING CONSTRUCTION; any visits made after this time shall be paid for as OTHER SERVICES.

### III. OTHER SERVICES.

Other Services to be furnished by CONSULTANT when requested and authorized by MSD are defined as follows:

A. Furnish survey, mapping, and/or photogrammetric personnel and equipment required to obtain field information necessary to prepare satisfactory plans and specifications.

B. Furnish all personnel and equipment required to perform subsurface explorations necessary for determining geologic foundation and/or construction conditions.

C. Furnish written operating and maintenance instructions and assemble a set of manufacturers' data and catalogs covering equipment installed in the PROJECT facilities.

D. Submit to MSD upon completion of the work, two (2) sets of plans of the work as it is finally constructed, using information supplied by the on-site inspection personnel.

E. Provide miscellaneous consulting and other services, not stipulated elsewhere in this Agreement, when requested by MSD.

F. In the event the person primarily responsible for inspection services is furnished by MSD, provide such supplemental or additional inspection service as is necessary to assure that inspection is carried out in the manner normally provided by the CONSULTANT'S principal inspection personnel.

G. Provide Administrative Services during construction which are outside of the basic fee for FINAL DESIGN and SERVICES DURING CONSTRUCTION such as:

1. Meetings and negotiations with the contractor involving claims and legal complaints.

2. Additional work resulting from delinquency or insolvency of the contractor; or as a result of damage to the construction project caused by fire, flood, earthquake or other acts of God, all exclusive of additional work resulting from litigation.

3. Additional work resulting from changes in approved designs.

4. Additional work resulting from strikes, walk-outs, or other acts of trade or labor unions.

78-1049 TRAVEL REQUEST

THIS REQUEST IS FOR JOHN HOUCK TO ATTEND THE 1978 ANNUAL MEETING OF THE SOCIETY FOR THE STUDY OF AMPHIBIANS AND REPTILES TO BE HELD IN TEMPE, ARIZONA, JUNE 4 TO JUNE 8, 1978. THE MEETING WILL EMPHASIZE HUSBANDRY AND REPRODUCTION OF CAPTIVE REPTILES. THE CONFERENCE WILL BE VALUABLE IN INCREASING MR. HOUCK'S KNOWLEDGE OF REPTILE HUSBANDRY AND WILL ALSO ALLOW HIM TO ESTABLISH AND REINFORCE CONTACTS WITH PERSONNEL IN THIS FIELD FROM OTHER ZOOS.

AIRFARE	\$221.00
LODGING	25.00
FOOD	50.00
REGISTRATION	12.50
MISCELLANEOUS	11.50
TOTAL	\$320.00

THE FUNDS ARE BUDGETED AND STAFF RECOMMENDS APPROVAL OF THE TRAVEL REQUEST WITH COSTS UP TO \$320.00.

**METROPOLITAN SERVICE DISTRICT  
BOARD ACTION**

NO. 78-1049 DATE 4-28-78

	YES	NO	ABST.
BARTELS	/		
BUCHANAN		/	
McCREADY		/	
MILLER			
ROBNETT	/		
SALQUIST	/		
SCHUMACHER	/		

*Jean M. Wood*  
Board

78-1050 ZOO DEVELOPMENT PLAN DESIGN GUIDELINES - PRIORITY PROJECTS

(REMOVED FROM THE AGENDA.)

OTHER BUSINESS

78-1051 VARIANCE OF MSD USER FEES REQUESTED BY PORTLAND BUREAU OF NEIGHBORHOOD ENVIRONMENT

THE CITY OF PORTLAND BUREAU OF NEIGHBORHOOD ENVIRONMENT HAS SCHEDULED A CLEANUP OF THE BUCKMAN NEIGHBORHOOD ON MAY 8TH AND MAY 9TH. DETAILS CAN BE FOUND IN THE ATTACHED LETTER. ACCORDING TO BUREAU OFFICIALS, THE OPERATORS OF THE ROSSMAN LANDFILL IN OREGON CITY AGREED TO WAIVE THE DISPOSAL FEE IF MSD WAIVES THE USER FEE. IT SHOULD BE NOTED THAT THE CITY WAS NOT SUCCESSFUL IN THEIR ATTEMPTS TO HAVE THE DISPOSAL FEE WAIVED AT THE ST. JOHNS LANDFILL. THE MSD STAFF AND THE SOLID WASTE ADVISORY COMMITTEE HAVE EXPRESSED CONCERN THAT IF THIS VARIANCE IS GRANTED IT MAY SET A PRECEDENT FOR FUTURE SIMILAR VARIANCE REQUESTS. THE MSD USER FEE IS BASED ON THE PREMISE THAT THOSE WHO USE THE FACILITY, I.E. DISPOSE OF SOLID WASTE, SHOULD PAY FOR DISPOSAL. IF MSD ADOPTS A POLICY OF ALLOWING SPECIAL INTEREST GROUPS OR NEIGHBORHOOD CLEANUP CAMPAIGNS FREE DISPOSAL, IT WILL BE SUBSIDIZED BY THOSE SUBSCRIBING AND PAYING FOR NORMAL SOLID WASTE COLLECTION AND DISPOSAL. THE SOLID WASTE ADVISORY COMMITTEE FELT, HOWEVER, SINCE THE PROJECT HAD PROGRESSED TO THE POINT THAT THE ONLY HURDLE IS THE MSD USER FEE, SAID FEE SHOULD BE WAIVED, WITH THE UNDERSTANDING THAT FUTURE SIMILAR REQUESTS SHOULD BE DENIED. IT SHOULD BE NOTED THAT WHILE THIS WAS THE CONSENSUS OF THE SOLID WASTE ADVISORY COMMITTEE, SOME MEMBERS WERE OPPOSED ON THE BASIS THAT THOSE WHO GENERATE SOLID WASTE SHOULD PAY FOR THE COLLECTION AND DISPOSAL AND NOT RELY ON GOVERNMENTAL SUBSIDY.

MSD CODE, SECTION 12.02.200 PROVIDES THAT THE BOARD MAY GRANT SPECIFIC VARIANCES FROM A PARTICULAR REQUIREMENT OF ANY RULE, REGULATION OR ORDINANCE, IF IT FINDS THAT THE PURPOSE AND INTENT OF THE PARTICULAR REQUIREMENT CAN BE ACHIEVED WITHOUT STRICT COMPLIANCE AND THAT STRICT COMPLIANCE WOULD RESULT IN CLOSING DOWN OF AN OPERATION WHICH FURTHERS THE OBJECTIVES OF MSD OR

OF MSD'S PLAN. THE REQUEST BY THE CITY OF PORTLAND BUREAU OF NEIGHBORHOOD ENVIRONMENT APPEARS TO SATISFY THE CONDITIONS FOR GRANTING A VARIANCE.

IF THE BOARD CHOOSES TO GRANT THIS VARIANCE REQUEST, IT IS THE STAFF'S RECOMMENDATION THAT THE APPROVAL BE FOR ONLY THIS PROJECT AND A REQUEST FILED BY THE OAK LODGE FIRE PROTECTION DISTRICT No. 51/OAK GROVE DISPOSAL COMPANY (DETAILS OF WHICH CAN BE FOUND ON THE FOLLOWING ACTION ITEM 78-1052) AND THAT FUTURE SIMILAR REQUESTS BE DENIED ON THE BASIS THAT THOSE PERSONS GENERATING SOLID WASTE SHOULD PAY FOR ITS COLLECTION AND DISPOSAL.

Denied



THE CITY OF  
**PORTLAND**



**OREGON**

NEIGHBORHOOD  
ENVIRONMENT

2040 S.E. POWELL BLVD.  
PORTLAND, OR. 97202  
503/248-4465

April 20, 1978

78-1051  
**RECEIVED**  
APR 21 1978  
METRO SERVICE DISTRICT

Mr. Chuck Kemper  
Executive Director  
Metropolitan Service District  
1220 SW Morrison  
Portland, OR 97205

Dear Mr. Kemper:

Following a phone discussion with Paul Norr of your staff, I am writing to request that the MSD Board waive the user fee portion of our dumping fees for an upcoming clean-up campaign.

The Buckman neighborhood has been selected for the first community to test an alternative strategy to traditional code enforcement. Through public education and concerted action of volunteers and the private sector, we hope to dramatically improve the effectiveness of environmental services.

We have rated the blocks in the Buckman area for rubbish and debris visible from the street and will conduct a similar, post campaign survey following the clean-up project on May 6.

Thus far we have the participation of the Buckman Community Association, Colonial Boosters Club, Washington High School Student Council, Rossman's Landfill, Metropolitan Disposal Corporation and Boy Scout Troop #40. The Bureau of Neighborhood Environment has been the lead agency to initiate this project.

We would be glad to explain our future plans in more detail to the MSD Board if there is enough interest. Enclosed is a timetable that outlines our plans.

It is expected that we will be disposing of 8-12 drop boxes (20 cubic yards each) Monday and Tuesday, May 8 & 9, at Rossman's Landfill in Oregon City. Some of this material will be re-cycled to appropriate parties directly from drop centers.

Thank you in advance for your consideration regarding the user fee for the Buckman clean-up. We will share our upcoming plans for other inner city neighborhood drives and a potential year long special project in the near future.

Sincerely

*Bruce Etlinger*

Bruce Etlinger  
Staff Assistant/BNE - 37 -

enc.



OTHER BUSINESS

78-1052 VARIANCE OF MSD USER FEES REQUESTED BY OAK GROVE  
FIRE DISTRICT

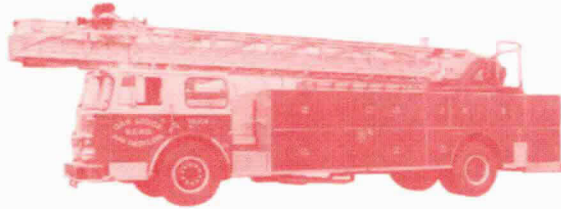
MSD HAS RECEIVED A REQUEST FROM THE OAK LODGE FIRE PROTECTION DISTRICT No. 51 AND THE OAK GROVE DISPOSAL COMPANY, INC., TO WAIVE THE MSD USER FEE ON SOLID WASTE COLLECTED DURING A COMMUNITY CLEANUP ON MAY 20, 1978. DETAILS OF THIS PROJECT CAN BE FOUND ON THE ATTACHED LETTERS.

THIS REQUEST WAS DISCUSSED BY THE SOLID WASTE ADVISORY COMMITTEE AT THE SAME TIME AS THE REQUEST FROM THE CITY OF PORTLAND BUREAU OF NEIGHBORHOOD ENVIRONMENT.

SINCE THESE PROJECTS ARE VERY SIMILAR IN NATURE, THE RECOMMENDATION OF THE SOLID WASTE ADVISORY COMMITTEE AND THE STAFF IS THE SAME AS ACTION TAKEN BY THE BOARD ON THE PREVIOUS AGENDA ITEM.

Denise

78-1052  
Oak Lodge Fire Protection District No. 51



JOHN L. MICHELS  
FIRE CHIEF

P. O. BOX 68125  
OAK GROVE, OREGON 97268

EMERGENCIES 659-5444  
BUSINESS 653-2432

April 21, 1978

Mr. Merle Irvine  
1220 S.W. Morrison  
Room 300  
Portland, Oregon 97205

Dear Mr. Irvine,

The Oak Lodge Fire Department would like to initiate a Spring Clean Up Day tentatively scheduled for Saturday, May 20, 1978. Our main thrust will be for citizens to clean out their unwanted combustible materials presently stored in attics, basements, garages, etc. Through our fire inspections and fire investigations we find that poor housekeeping, trash, is one of the primary causes of fires and will add tremendously to the fuel load in the event of a fire.

Mr. Mike Borg, Oak Lodge Disposal, will provide large trash containers at three school ground locations. The dump units will be available for public use from 9:00 A.M. until 3:00 P.M., May 20, 1978. The Oak Lodge Fire Department will provide a man at each dump site to make certain only acceptable trash is deposited. We would estimate that from six to eight loads could be handled in this time frame.

Our reason for choosing May 20, 1978 for this event is that spring burn season will end on May 21, 1978 and most of the legal burnable materials will be disposed of. We will encourage people to put their materials in plastic bags for easier disposal.

I appreciate your consideration in this request and ask that you inform me as soon as possible of your decision.

Sincerely,

*William E. Kelly*

William E. Kelly, Fire Marshal

WEK;di  
4/21/78

cc: Mr. Dave Phillips, Clackamas County Solid Waste  
Mr. Scott Parker, Parker Northwest

Oak Grove Disposal Company, Inc.  
P. O. Box 22214  
Milwaukie, Oregon 97222  
Phone: 654-6118

April 24, 1978

Mr. Merle Irvine  
1220 S. W. Morrison  
Room 300  
Portland, Oregon 97205

Dear Mr. Irvine:

Re: Oak Lodge Fire Department  
Clean Up Day, May 20, 1978

Oak Grove Disposal would be most pleased to support this neighborhood project. We have volunteered to place 20-yard drop boxes at the designated locations as our contribution to this effort. This will also curtail man hours to move these boxes as they are filled, the cost of which we will absorb.

We are asking the Metropolitan Service District to aid in this community effort by forgiving the usual disposal fees consisting of:

Cubic yard fee	59¢
County franchise fee	4%
MSD fee	16¢
Scale fee	3%

As we view this operation, the greatest portion of the cost will accrue to us as it will include the use of our trucks, boxes, and labor, all of which we will gladly donate.

Your favorable reply to this request will be appreciated by all involved in this Clean Up Day.

Very sincerely yours,

*Edith D. Spady*

Edith D. Spady, President

eds/l

cc Mr. Dave Phillips, Clackamas County Solid Waste  
Mr. Scott Parker, Parker Northwest

OTHER BUSINESS

78-1053 MODIFICATION OF VARIANCE GRANTED TO PORTLAND ROAD & DRIVEWAY FOR THE DISPOSAL OF CONCRETE

ON DECEMBER 9, 1977, THE BOARD OF DIRECTORS OF THE METROPOLITAN SERVICE DISTRICT GRANTED A VARIANCE TO SECTIONS 12.02.060(1)(F) AND 12.02.060(1)(A) OF THE MSD CODE. THIS VARIANCE ALLOWS FOR THE DISPOSAL OF CONCRETE RUBBLE GENERATED FROM THE DEMOLITION OF THE CONGRESS HOTEL AT THE PORTLAND ROAD & DRIVEWAY GRAVEL PIT (KING ROAD LANDFILL) FOR THE PURPOSE OF CONSTRUCTING A DIKE AND FILLING THE POND. THE CONGRESS HOTEL DEMOLITION PROJECT IS REACHING ITS FINAL STAGES AND A DISPOSAL OF CONCRETE RUBBLE WILL SOON CEASE. SINCE THE CONSTRUCTION OF THE DIKE IS NOT YET COMPLETE, PORTLAND ROAD & DRIVEWAY AND THE OPERATORS OF THE KING ROAD LANDFILL HAVE REQUESTED THAT THE VARIANCE GRANTED ON DECEMBER 9, 1977, BE MODIFIED TO ALLOW FOR THE ACCEPTANCE OF SIMILAR INERT MATERIAL, I.E. CONCRETE AND RUBBLE, FROM OTHER DEMOLITION PROJECTS. THIS WOULD FACILITATE COMPLETING THE DIKE CONSTRUCTION AND, AT THE SAME TIME, ELIMINATE THE NECESSITY OF RETURNING TO THE BOARD OF DIRECTORS AND THE SOLID WASTE ADVISORY COMMITTEE FOR A VARIANCE REQUEST ON EACH DEMOLITION PROJECT.

THE SOLID WASTE ADVISORY COMMITTEE AND THE MSD STAFF RECOMMENDS THAT THE VARIANCE GRANTED TO PORTLAND ROAD & DRIVEWAY COMPANY ON DECEMBER 9, 1977, BE MODIFIED TO THE EXTENT THAT WOULD ALLOW OTHER DEMOLITION CONTRACTORS TO DISPOSE OF INERT MATERIALS, SUCH AS CONCRETE AND RUBBLE, FOR THE PURPOSE OF CONSTRUCTING THE DIKE. IT SHOULD BE NOTED THAT ONCE THE DIKE IS COMPLETED, THE VARIANCE AUTHORIZED BY THE MSD BOARD OF DIRECTORS WILL TERMINATE.

METROPOLITAN SERVICE DISTRICT  
BOARD ACTION

NO. 78-1053 DATE 4-28-78

YES NO ABST.

BARTELS			
BARNETT			
McCREADY			
MILLER			
ROBNETT			
SALQUIST			
SCHUMACHER			

*[Signature]*  
Clerk of the Board

Zoo Division

Information Report

Joint Japanese Garden/Zoo Railway Promotion

The Zoo will be entering into a joint promotion with the Japanese Gardens in which they will pay for the production of a sign at the Zoo's train station that will advertise the following reduced rate ticket package:

Adults	\$2.00 (regularly \$1.00 for the train and \$1.50 for the Gardens)
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Children (6-11)	75¢ (regularly 50¢ for the train and 75¢ for the Gardens)
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In addition these purchasers will have to have paid the regular Zoo admission.

The purpose of the promotion will be to generate additional attendance for both the Zoo (and its train) and the Gardens and to further develop the idea that Washington Park is a multi-faceted educational and recreational resource.

The Japanese Gardens Society has approved the project and we plan to run it beginning June 1st and ending with Labor Day.



# GUEST ATTENDANCE LIST

DATE: 4-28-78

NAME

## REPRESENTATION

John M. Wright  
Robert C. Keel  
C. Ketterling

City of Portland  
MSD STAFF

Bob Brown

DEO

John Hancock

Mull Co.

Tom Allen

Clack. County

Judith L. Wallace

Johnson Creek

Gail Ronneman

Jackson Creek

Sary L Othman

CITY OF MILWAUKEE