

Date April 25, 1975

TO The City of Newberg, Oregon

Gentlemen:

Westech Engineering, Inc. hereby proposes to furnish all materials and perform all labor necessary to complete

A Facilities Plan for a regional sewer system serving Newberg and Dundee in accordance with the attached proposal and work plan submitted on February 26, 1975. Unless sewer system rehabilitation is found to be cost effective and a Sewer System Evaluation becomes necessary, the Facilities Plan shall be completed by March 15, 1976.

All of the above work is to be completed in a substantial and workmanlike manner according to standard practices, and for the fees as set forth below.

Time and Materials Basis at the following rates:

Registered Engineer	\$22.00/hr.	2-Man Survey Crew	\$23.00/Hr.
Engineer	\$16.00/hr.	Draftsman	\$12.00/hr.
Technician	\$12.00/hr.	Clerical	\$ 6.00/hr.
	Mileage at	\$0.15/mile	
	Printing at	Cost	
	Outside Services at	Cost	

Payments are to be made monthly as the work progresses. The entire amount of contract is to be paid within 60 days after completion of the Facilities Plan but shall not exceed \$24,250.

Any alteration or deviation from the work plan involving extra cost of material or labor will only be executed upon written orders for same, and will become an extra charge over the sum mentioned in this contract. All agreements must be made in writing.

Respectfully submitted,

WESTECH ENGINEERING, INC.

By *CH Ketchum*

A C C E P T A N C E

You are hereby authorized to furnish all materials and labor required to complete the work mentioned in the attached proposal and work plan for which The City of Newberg agrees to pay the amounts mentioned, according to the terms stipulated above.

ACCEPTED

City of Newberg

Date May 7, 19 75

By *James G. ...*

Mayor

...

Title

Finance Officer

Title

ADDENDUM TO ENGINEERING AGREEMENT

1. Westech Engineering, Inc. shall maintain books, records, documents and other evidence directly pertinent to performance on EPA grant work under this agreement in accordance with accepted professional practice, appropriate accounting procedures and practices, and 40 CFR 30.605, 30.805, and 35.935.7. The United States Environmental Protection Agency, the Comptroller General of the United States, the United States Department of Labor, the City of Newberg, and the Department of Environmental Quality or any of their duly authorized representatives shall have access to such books, records, documents and other evidence for the purpose of inspection, audit and copying. Westech Engineering, Inc. will provide proper facilities for such access and inspection.

2. Westech Engineering, Inc. agrees to include in all their contracts and tier subcontracts directly related to project performance which are in excess of \$10,000 the five items of this clause.

3. Audits conducted pursuant to this provisions shall be in accordance with generally accepted auditing standards and formally established audit regulations, procedures and guidelines of the reviewing or auditing agency(ies).

4. Westech Engineering, Inc. agrees to the disclosure of all information and reports resulting from access to records pursuant to paragraphs 1 and 2, above, to any of the agencies referred to in paragraph 1, above. In those cases where the audit concerns Westech Engineering, Inc., the auditing agency will afford the Consulting Engineer an opportunity for an audit exit conference, and an opportunity to comment on the pertinent portions of the draft audit report. The Consulting Engineer will be provided copies of the formal draft audit report at the time of its transmission. Such transmission will include the written comments, if any, of the audited firm.

5. Records under paragraphs 1 and 2 above shall be maintained and made available during performance on EPA grant work under this agreement and until three years from date of final EPA grant payment for the project. In addition, those records which relate to any "Dispute" appeal under an EPA agreement, or litigation, or the settlement of claims arising out of such performance, or costs or items to which an audit exception has been taken, shall be maintained and made available until three years after the date of resolution of such appeal, litigation, claim or exception."

Agreed to this date:

C.H. Steketee 10-14-75

WESTECH ENGINEERING, INC.

C. H. Steketee, Jr.

Title Vice-President

ADDENDUM #2

To Contract dated April 25, 1975 and accepted by City of Newberg
May 7, 1975

Engineer: Westech Engineering, Inc.
Owner: City of Newberg, Oregon

Delete the following:

"Time and Materials Basis at the following rates:

Registered Engineer	\$22.00/hr.	2-Man Survey Crew	\$23.00/Hr.
Engineer	\$16.00/hr.	Draftsman	\$12.00/Hr.
Technician	\$12.00/hr.	Clerical	\$ 6.00/Hr.

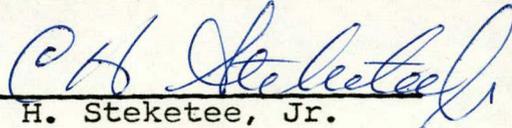
Mileage at \$0.15/Mile
Printing at Cost
Outside Services at Cost

Payments are to be made monthly as the work progresses. The entire amount of contract is to be paid within 60 days after completion of the Facilities Plan but shall not exceed \$25,250."

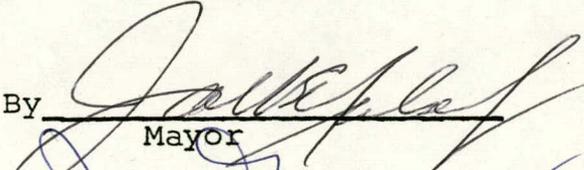
Add the following:

Lump sum of \$24,250. Partial payments to be made periodically upon completion of significant work items and upon submission of partial payment requests. Final payment to be made within 60 days after submission of final report.

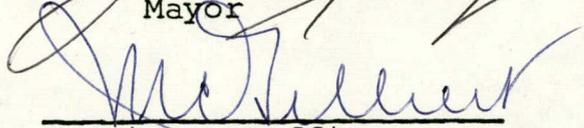
Submitted by Westech Engineering, Inc.

By 
C. H. Steketee, Jr.

Accepted:
City of Newberg

By 
Mayor

Date FEB 10, 1976


Finance Officer

CITY OF NEWBERG
CITY RECORDER INDEX NO. 1053

September 12, 1977

Mr. Russel W. Faust
Westech Engineering, Inc.
3421 - 25th Street S.E.
Salem, Oregon 97302

Dear Mr. Faust:

Herewith enclosed please find final statement to EPA on Newberg-Dundee Regional Sewer Study.

Please sign 12 b and return to us.

Thank - you.

Sincerely,

M.C. Gilbert
City Administrator

OUTLAY REPORT AND REQUEST FOR REIMBURSEMENT FOR CONSTRUCTION PROGRAMS

(See instructions on back)

Approved by Office of Management and Budget, No. 80-R0181 PAGE OF PAGES

3. FEDERAL SPONSORING AGENCY AND ORGANIZATIONAL ELEMENT TO WHICH THIS REPORT IS SUBMITTED

EPA Region X

1. TYPE OF REQUEST

FINAL PARTIAL

2. BASIS OF REQUEST

CASH ACCRUAL

4. FEDERAL GRANT OR OTHER IDENTIFYING NUMBER ASSIGNED BY FEDERAL AGENCY

C-410494-01-0

5. PARTIAL PAYMENT REQUEST NO.

3

6. EMPLOYER IDENTIFICATION NUMBER

7. RECIPIENT ACCOUNT OR OTHER IDENTIFYING NUMBER

PERIOD COVERED BY THIS REPORT

Final

FROM (Month, day, year)
8-31-76

TO (Month, day, year)
5-1-77

9. RECIPIENT ORGANIZATION

Name : City of Newberg

No. and Street : 414 E. First Street

City, State and ZIP Code : Newberg, Oregon 97132

10. PAYEE (Where check should be sent if different than item 9)

Name : City of Newberg

No. and Street : 414 E. First Street

City, State and ZIP Code : Newberg, Oregon 97132

11. STATUS OF FUNDS

CLASSIFICATION	PROGRAMS—FUNCTIONS—ACTIVITIES			TOTAL
	(a)	(b)	(c)	
a. Administrative expense	\$	\$	\$	\$
b. Preliminary expense				
c. Land, structures, right-of-way				
d. Architectural engineering basic fees				
e. Other architectural engineering fees	24,250.00			
f. Project inspection fees				
g. Land development				
h. Relocation expense				
i. Relocation payments to individuals and businesses				
j. Demolition and removal				
k. Construction and project improvement cost				
l. Equipment				
m. Miscellaneous cost				
n. Total cumulative to date (sum of lines a thru m)	24,250.00			
o. Deductions for program income				
p. Net cumulative to date (Line n minus line o)				
q. Federal share to date	18,187.50			
r. Rehabilitation grants (100% reimbursement)				
s. Total Federal share (sum of lines q and r)				
t. Federal payments previously requested	16,369.00			
u. Amount requested for reimbursement	\$ 1,818.50	\$	\$	\$
v. Percentage of physical completion of project	100 %	%	%	%

12. CERTIFICATION

I certify that to the best of my knowledge and belief the billed costs or disbursements are in accordance with the terms of the project and that the reimbursement represents the Federal share due which has not been previously requested and that an inspection has been performed and all work is in accordance with the terms of the award.

a. RECIPIENT

SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL

TYPED OR PRINTED NAME AND TITLE

City Administrator

DATE REPORT SUBMITTED

TELEPHONE (Area code, number and extension)

538-9421 - Ext. 30

b. Representative certifying to line 11v.

SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL

TYPED OR PRINTED NAME AND TITLE

DATE SIGNED

TELEPHONE (Area code number and extension)

INSTRUCTIONS

Please type or print legibly. Items 3, 4, 5, 8, 9, 10, 11s, and 11v are self-explanatory; specific instructions for other items are as follows:

<i>Item</i>	<i>Entry</i>	<i>Item</i>	<i>Entry</i>
1	Mark the appropriate box. If the request is final, the amounts billed should represent the final cost of the project.	11j	Enter gross salaries and wages of employees of the recipient and payments to third party contractors directly engaged in performing demolition or removal of structures from developed land. All proceeds from the sale of salvage or the removal of structures should be credited to this account; thereby reflecting net amounts if required by the Federal agency.
2	Show whether amounts are computed on an accrued expenditure or cash disbursement basis.	11k	Enter those amounts associated with the actual construction of, addition to, or restoration of a facility. Also, include in this category, the amounts for project improvements such as sewers, streets, landscaping, and lighting.
6	Enter the employer identification number assigned by the U.S. Internal Revenue Service [or FICE (institution) code if requested by the Federal agency].	11l	Enter amounts for all equipment, both fixed and movable, exclusive of equipment used for construction. For example, permanently attached laboratory tables, built-in audio visual systems, movable desks, chairs, and laboratory equipment.
7	This space is reserved for an account number or other identifying number that may be assigned by the recipient.	11m	Enter the amounts for all items not specifically mentioned above.
11	The purpose of vertical columns (a) through (c) is to provide space for separate cost breakdowns when a large project has been planned and budgeted by program, function or activity. If additional columns are needed, use as many additional forms as needed and indicate page number in space provided in upper right; however, the summary totals of all programs, functions, or activities should be shown in the "total" column on the first page. All amounts are reported on a cumulative basis.	11n	Enter the total cumulative amount to date which should be the sum of lines a through m.
11a	Enter amounts expended for such items as travel, legal fees, rental, of vehicles and any other administrative expenses. Include the amount of interest expense when authorized by program legislation. Also show the amount of interest expense on a separate sheet.	11o	Enter the total amount of program income applied to the grant or contract agreement except income included on line j. Identify on a separate sheet of paper the sources and types of the income.
11b	Enter amounts pertaining to the work of locating and designing, making surveys and maps, sinking test holes, and all other work required prior to actual construction.	11p	Enter the net cumulative amount to date which should be the amount shown on line n minus the amount on line o.
11c	Enter all amounts directly associated with the acquisition of land, existing structures and related right-of-way.	11q	Enter the Federal share of the amount shown on line p.
11d	Enter basic fees for services of architectural engineers.	11r	Enter the amount of rehabilitation grant payments made to individuals when program legislation provides 100 percent payment by the Federal agency.
11e	Enter other architectural engineering services. Do not include any amounts shown on line d.	11t	Enter the total amount of Federal payments previously requested, if this form is used for requesting reimbursement.
11f	Enter inspection and audit fees of construction and related programs.	11u	Enter the amount now being requested for reimbursement. This amount should be the difference between the amounts shown on lines s and t. If different, explain on a separate sheet.
11g	Enter all amounts associated with the development of land where the primary purpose of the grant is land improvement. The amount pertaining to land development normally associated with major construction should be excluded from this category and entered on line k.	12a	To be completed by the recipient official who is responsible for the operation of the program. The date should be the actual date the form is submitted to the Federal agency.
11h	Enter the dollar amounts used to provide relocation advisory assistance and net costs of replacement housing (last resort). Do not include amounts needed for relocation administrative expenses; these amounts should be included in amounts shown on line a.	12b	To be completed by the official representative who is certifying to the percent of project completion as provided for in the terms of the grant or agreement.
11i	Enter the amount of relocation payments made by the recipient to displaced persons, farms, business concerns, and nonprofit organizations.		



Westech Engineering, Inc.

CONSULTING ENGINEERS AND PLANNERS

PRINCIPALS
C. H. STEKETEE, P.E.
H. C. FERRIS, P.E.

3421 - 25th St. S.E.
SALEM, OREGON 97302

Telephone 585-2474

May 12, 1977

RECEIVED

MAY 13 1977

CITY OF NEWBERG, ORE.
OFFICE OF RECORDER

City of Newberg
414 East First Street
Newburg, OR 97132

Re: Newburg-Dundee Regional Sewer Study, JO 418

Attention: Mr. M. C. Gilbert, City Administrator

Dear Mr. Gilbert:

Thank you for the letter dated May 10, and the check, both of which arrived today. We don't want to be unreasonable about the matter of payment for the work that we have completed for you, but we wish to make our position as clear as possible. Our contract with you made no provision for us to wait for earned payments until the EPA completes their grant obligations. Our obligation was to do the engineering work, not to finance it. We would like to point out that we have had to substantially revise the original study twice because of changing regulations, etc. which were absolutely no fault of our own. In addition, the entire project was set back nearly one year, also through no fault of our own. In each case, we have fully borne the added costs for these delays and changes. We have made no claims for extra payments, even though such claims could be easily justified. We have more than completed our obligations, and now simply request that we be paid for our efforts. We believe that the City of Newberg should bear some responsibility in this matter. We understood at the meeting held in your office a month or so ago that upon completion of the latest plan revision, you would see that we would be promptly paid in full.

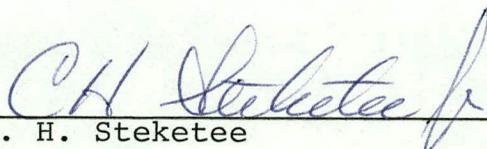
The problem with waiting for EPA to complete their grant is simply this: With the EPA funding policy, they probably will not complete the grant payments for the facilities planning work until the sewer

City of Newberg
May 12, 1977
Page 2

system evaluation study is complete and has been reviewed and approved by the Seattle office. That will probably mean that the final grant payment will not be available for more than one year yet. We appreciate your attention to this matter.

Yours very truly,

WESTECH ENGINEERING INC.


C. H. Steketee

CHS/mek



Department of Environmental Quality

1234 S.W. MORRISON STREET, PORTLAND, OREGON 97205 PHONE (503) 229-5314

April 18, 1977

RECEIVED

APR 21 1977 5314

CITY OF NEWBERG, ORE
CLERK OF RECORDER

Mr. C. H. Steketee, Jr.
Westech Engineering, Inc.
3421 - 25th Street S. E.
Salem, OR 97302

Dear Mr. Steketee:

Re: WQ - Newberg-Dundee
Facility Plan Update

We have reviewed your 1977 Update Report to the Newberg-Dundee Facility Plan. Environmental impacts of lagoon expansion at Dundee should be specifically addressed at the new public hearing. The differentiation between constructing one regional sewage treatment plant (STP) and separate facilities should also be discussed.

The Update Report satisfactorily addresses comments in my letter of December 13, 1976. We sincerely appreciate your prompt action subsequent to our meeting on March 23, 1977.

Very truly yours,

WILLIAM H. YOUNG
Director

Thomas H. Blankenship
Chief - Construction Grants Specialist
Sewerage Works Construction Section
Water Quality Division

THB:em

cc: ✓ City of Newberg
City of Dundee
EPA - Oregon Operations Office
Salem/North coast Region Office - DEQ

COPY

CITY OF NEWBERG
 414 E. FIRST ST. NEWBERG, OREGON

DATE April 14, 19 77

NAME City of Dundee

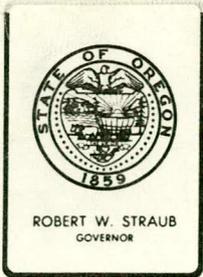
ADDRESS P. O. Box 101

CITY Dundee, OR 97115

Dept.	Cash	Charge	On Acc't	Mdse. Ret'd	Paid Out
QUAN.	DESCRIPTION				AMOUNT
1	Newberg-Dundee Regional Sewer Study				
2	Total Cost		\$24,250.00		
3	Federal Grant		-18,187.50		
	Local Share		6,062.50		
4					
5	50% Newberg		\$3,031.25		
6	50% Dundee				\$3,031.25
7					
8					
9					
10					
11					
12					

7% INTEREST PER ANNUM WILL BE CHARGED ON ALL PAST DUE ACCOUNTS

RECEIVED BY _____



RECEIVED

MAR 28 1977

R.H. Fetrow, Jr., P.E.
Manager
Salem-N. Coast Region
796 Winter St. N.E.
Salem, OR 97310

Department of Environmental Quality

CITY OF NEWBERG
OFFICE OF RECORDER

1234 S.W. MORRISON STREET, PORTLAND, OREGON 97205 Telephone (503) 229- 5696
SALEM 378-8240

March 25, 1977

Mayor Kenneth Hough
City of Dundee
P.O. Box 201
Dundee, OR 97115

RE: WQ - City of Dundee
Yamhill County
Salem-North Coast Region

Dear Mayor Hough:

As we discussed during our March 23 meeting, the following program appears to be the most expedient method of providing expanded sewage treatment facilities in Dundee:

1. Since the pending revisions to EPA's treatment standards will allow for the continued use of lagoons in Dundee, Westech's Facilities Planning Report should be ammended to show such a system as an available alternative. Regionalization with Newberg should be retained as another option.
2. If the cost effective alternative results in two separate systems, Newberg and Dundee can then proceed independently with their planning efforts:
 - a. Newberg can proceed with its Sewer System Evaluation Survey (SSES), and will be included on our FY 78 priority list for a Step II grant.
 - b. Westech must revise Dundee's portion of the Facilities Planning Report to reflect the use of a conventional lagoon treatment system. Specific attention must be given to the extent of infiltration/inflow, and the possible need for a SSES. Another public hearing will be necessary to discuss this new lagoon alternative. Ample public notice (30 days) must be given prior to the hearing.

As indicated by our January 31 letter, funds for the projects are no longer reserved due to the anticipated delays. Our special reserve fund has been largely depleted. Although your use of any such funds cannot be guaranteed, be assured that this office will



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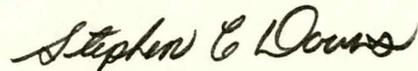
To: Mayor Kenneth Hough
Page 2
March 25, 1977

pursue all possibilities to keep your project "on track". To help this process, the City must insure that the Facilities Planning Report is completed, and has a completed Step II grant application (with completed A-95 review) ready for submission before June.

I hope our March 23 meeting and the above information clarifies the project's status for all concerned. Please call me at 378-8240, Salem if you have any question or if we can be of any help.

Sincerely,

WILLIAM H. YOUNG
Director



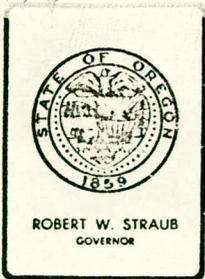
Stephen C. Downs, P.E.
Regional Engineer

SCD/mfj

Attachments (1):

1. DEQ letter of January 31, 1977

cc: HL Sawyer (CPH, THB), Water Quality Div. w/atts
Al Goodman, EPA Oregon Operations Office w/atts
Myrland Gilbert, Newberg City Administrator w/atts ✓
Cam Steketee, Westech Engineering w/atts



Department of Environmental Quality

1234 S.W. MORRISON STREET, PORTLAND, OREGON 97205 Telephone (503) 229- 5314

January 31, 1977

Mr. M. C. Gilbert
City Administrator
City of Newberg
414 East First Street
Newberg, OR 97132

Dear Mr. Gilbert:

Re: WQ - Newberg - Dundee
C - 410494

In reply to your letter of January 20, 1977, we cannot reserve funds for the City's Step II sewerage works construction grant application to August 1977 since, by your own admission - "It is possible that without suitable ground water conditions, the survey may be delayed and a Step II application would not be submitted until early 1978". Since (1) delay of the Sewer System Evaluation Survey is a very real possibility and (2) funds now reserved for your Step II application will be returned to the U. S. Treasury if not utilized by September 30, 1977, we will use the presently reserved \$108,000 for other projects that can proceed expeditiously. This action does not imply alteration of the Newberg-Dundee project's priority ranking, but instead reflects funding realities. The City's need for a Step II grant will be shown on our FY'78 (i.e. period 10-1-77 to 9-30-78) priority list and, assuming Congress allocates expected monies, we will provide assistance for the project out of FY'78 grant funds.

If you have any questions please call Mr. Blankenship at 229-5314.

Very truly yours,

WILLIAM H, YOUNG
Director

Harold L. Sawyer
Administrator
Water Quality Division

THB:em

cc: Robert E. Meyer Engineers, Inc.
Westech, Inc.
✓ Salem-North Coast Region Office - DEQ
EPA - Oregon Operations Office



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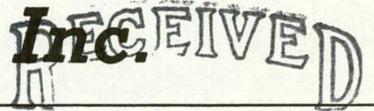
DEQ-1

State of Oregon
DEPARTMENT OF ENVIRONMENTAL QUALITY
RECEIVED
FEB 3 1977



Westech Engineering, Inc.

CONSULTING ENGINEERS AND PLANNERS



PRINCIPALS
C. H. STEKETEE, P.E.
H. C. FERRIS, P.E.

3421 25th S.E. --200 Lancaster Drive S.E.--

SALEM, OREGON 97301

CITY OF NEWBERG, ORE.
Telephone 385-2474
OFFICE OF RECORDER

March 23, 1977

City of Newberg
414 East First Street
Newberg, Oregon 97132

Re: Newberg-Dundee Regional Sewer Study, JO 418

Attention: Mr. M. C. Gilbert, City Manager

Dear Mr. Gilbert:

In accordance with our conversations this afternoon with you, the Mayor of Dundee, and representatives from DEQ, we are now proceeding with revisions to the Sewer System Facilities Planning Report presented in July, 1976. We are proceeding with this revision based upon the assumption that stabilization ponds will be allowed under the proposed new EPA regulations. The report will make recommendations and conclusions based upon the possibility that:

1. The regulations will remain as they now exist,
2. That EPA will adopt new regulations allowing Dundee to expand their stabilization ponds.

Our work will also answer most of the concerns expressed in a letter from Mr. Blankenship of DEQ written in December, 1976. It is understood that upon the completion of these revisions, our obligations for the Facilities Planning work will be complete, and that we can expect prompt payment.

Please call us if you have any questions, or if we can be of any further help.

Very truly yours,

WESTECH ENGINEERING, INC.

C. H. Steketee, Jr.

CHS:kr
CC: City of Dundee



Westech Engineering, Inc.

CONSULTING ENGINEERS AND PLANNERS

PRINCIPALS
C. H. STEKETEE, P.E.
H. C. FERRIS, P.E.

RECEIVED

200 Lancaster Drive S.E.
SALEM, OREGON 97301
Telephone 585-2474

MAR 18 1977

CITY OF NEWBERG, ORE.
March 16, 1977 OFFICE OF RECORDER

TO: Our Clients and Those Doing Business with Westech

Gentlemen:

Effective March 21, 1977 our new office address will be 3421 - 25th Street S.E., Salem, Oregon, 97302 (see attached map).

Our telephone number, 585-2474, will remain the same.

We plan to make this move into new quarters during the March 19-20 weekend, to minimize any interruption of service to our clients.

The new office facility will allow us to provide more efficient and better service to our growing list of clients.

Thank you!

Yours very truly,

WESTECH ENGINEERING, INC.

H. C. Ferris, P.E.

HCF:kr

Attachment - Location Map



Westech Engineering, Inc.

CONSULTING ENGINEERS AND PLANNERS

PRINCIPALS
C. H. STEKETEE, P.E.
H. C. FERRIS, P.E.

200 Lancaster Drive S.E.
SALEM, OREGON 97301

Telephone 585-2474

MAR 14 1977

CITY OF NEWBERG, ORE.
OFFICE OF RECORDER

March 10, 1977

City of Dundee
City Hall
Dundee, Oregon 97115

Attention: Mrs. Livengood, City Recorder

Re: Newberg - Dundee
Regional Sewer Plan JO 418

Dear Mrs. Livengood:

Confirming our telephone conversations of today and yesterday, it is my understanding that the City of Dundee wishes to proceed with the expansion of its wastewater treatment plant but on a different basis than is recommended in our report dated July, 1976. It is also my understanding that it may be possible, based on your conversations with DEQ, to omit the Sewer System Evaluation Study (SSES), and proceed more directly to the design and construction of an expanded plant.

We realize that this whole procedure is probably confusing to you and other City officials. Let us try to summarize the City's position as we see it.

1. Our Newberg - Dundee report presented in July, 1976 recommended construction of a regional system together with the plugging of some leaks in the Dundee (Newberg also) sewer system.
2. Shortly after the report was presented, EPA proposed to change their regulations so that sewage stabilization ponds could continue to be used by small Cities. If this regulation change was made, the recommendations of our Newberg - Dundee report would probably change.
3. A policy was adopted by DEQ & EPA that while the regulation change was under consideration, no grant monies would be committed to projects involving existing stabilization ponds. Thus Dundee would have to await a decision on the proposed regulation.
4. EPA appears to be close to a final decision on the proposed regulation change. A decision is due April 1 approximately. The consensus among those in the know is that stabilization ponds will be allowed, that summer holding will be required (usually), that winter effluent limits will be 50 mg/l

WESTECH ENGINEERING, INC.

March 11, 1977

Page 2

suspended solids and 85% annual removal of B.O.D.

5. We wrote recently to Newberg (copy to Dundee) asking if we should now update the July, 1976 report using the consensus information above or await a final EPA decision. We think that if the report was updated, it would recommend that Dundee expand the stabilization pond system.
6. We can only speculate presently whether the calculations made while updating the report would indicate that sewer system leaks in Dundee should be fixed or whether a Sewer System Analysis is required. With an expanded stabilization pond system the high wet weather may not be so critical.
7. Because of Dundee's priority number (established by DEQ by rating various projects) DEQ has tentatively budgeted money for the Dundee project. If an application for project engineering (Step II) is not received by early May, those funds will be used for another project. This probably does not mean that funds for Dundee would be lost, but that you would have to wait for additional fund allocations to EPA.
8. If you wish to have an application to DEQ by May, the City should:
 - a. Tell us to update the July, 1976 regional report with the assumption that information in Item 4 above is accurate.
 - b. Agree that once the report is updated, our obligation for the regional study would be complete and that we would be promptly paid. You would need to coordinate this with Newberg.
 - c. Hopefully we can update the report in a couple of weeks, determine what facilities should be built, the costs involved, and whether a Sewer System Analysis is required. If no Sewer System Analysis is needed, Dundee could apply immediately for Step II EPA funds.

We would be happy to explain these matters to the Council if you wish.

Very truly yours,

WESTECH ENGINEERING, INC.

C. H. Steketee, Jr. for
Russell W. Faust

CC: Newberg ✓

March 2 , 1977

City of Newberg
414 East First Street
Newberg, Oregon 97132

Re: Newberg-Dundee Regional Sewer Study, JO 418

Attention: Mr. M. C. Gilbert, City Manager

Dear Mr. Gilbert:

In accordance with our conversations this afternoon with you, the Mayor of Dundee, and representatives from DEQ, we are now proceeding with revisions to the Sewer System Facilities Planning Report presented in July, 1976. We are proceeding with this revision based upon the assumption that stabilization ponds will be allowed under the proposed new EPA regulations. The report will make recommendations and conclusions based upon the possibility that:

1. The regulations will remain as they now exist,
2. That EPA will adopt new regulations allowing Dundee to expand their stabilization ponds.

Our work will also answer most of the concerns expressed in a letter from Mr. Blankenship of DEQ written in December, 1976. It is understood that upon the completion of these revisions, our obligations for the Facilities Planning work will be completed, and that we can expect prompt payment.

Please call us if you have any questions, or if we can be of any further help.

Very truly yours,

WESTECH ENGINEERING, INC.

C. H. Steketee, Jr.

CHS:kr
CC: City of Dundee



Westech Engineering, Inc.

CONSULTING ENGINEERS AND PLANNERS

PRINCIPALS
C. H. STEKETEE, P.E.
H. C. FERRIS, P.E.

200 Lancaster Drive S.E.
SALEM, OREGON 97301

Telephone 585-2474

RECEIVED

February 25, 1977

FEB 28 1977

CITY OF NEWBERG, ORE.
OFFICE OF RECORDER

City of Newberg
414 East First Street
Newberg, Oregon 97132

Re: Newberg-Dundee Regional Sewer Plan, J.O. 418

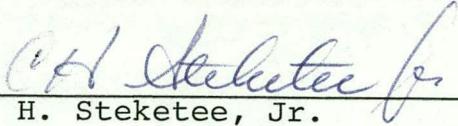
Attention: Mr. M. C. Gilbert, City Administrator

Dear Mr. Gilbert:

We send this to update the information relayed to you in our letter of a couple of days ago. The most recent information reaching us is that EPA will make a decision about changing the effluent regulations pertaining to stabilization ponds around the first of April, 1977. The consensus amongst DEQ officials appears to be that stabilization ponds will be permitted for winter discharge to the Willamette system. The exact effluent limits, however, may be changed before the final decision is made.

Very truly yours,

WESTECH ENGINEERING, INC.


C. H. Steketee, Jr.

CHS:kr

CC: City of Dundee



CITY OF NEWBERG, A BICENTENNIAL COMMUNITY

414 EAST FIRST STREET

TELEPHONE 538-9421

NEWBERG, OREGON 97132

February 25, 1977

The Honorable Ken Hough
Mayor
City of Dundee
Dundee, OR 97115

Re: Newberg-Dundee Regional Sewer Study Step 1

Dear Mayor Hough:

We are in receipt of letter dated February 22 from Westech Engineering Inc. regarding the sewer study, which you have a copy.

We would like to conclude this part of the study as soon as possible; however, Mr. Steketee points out that there are some dangers involved at arriving at a conclusion to quick.

The City of Newberg is proceeding with application for funds, which we believe will be approved very soon for the Part 2 of the sewer study.

Please advise your opinion on this matter as to whether we should direct Westech Engineering to complete the report or defer it until a later date awaiting an EPA decision.

Sincerely yours,

M. C. Gilbert
City Administrator

MCG/nl



Westech Engineering, Inc.

CONSULTING ENGINEERS AND PLANNERS

RECEIVED
24 1977

CITY OF NEWBERG, ORE.
200 Lancaster Drive
OFFICE OF THE CLERK
SALEM, OREGON 97301

Telephone 585-2474

PRINCIPALS
C. H. STEKETEE, P.E.
H. C. FERRIS, P.E.

February 22, 1977

City of Newberg
414 E. 1st. Street
Newberg, Oregon 97132

Re: Newberg-Dundee Regional Sewer Study, Step I,
Job Order 418

Attention: Mr. M. C. Gilbert, City Administrator

Dear Mr. Gilbert:

There has been no decision made regarding the proposed EPA rule change effecting sewage stabilization ponds. That decision was supposed to have been made by the 1st of February but it is open speculation as to when that decision will be made.

We know that both Newberg and Dundee would like to see the regional sewer study completed. We share in that desire. There appear to be two courses of action that could be followed:

1. Wait until the EPA rule change has been decided and then revise our published report as necessary.
2. Write an Addendum to the report with two sets of conclusions and recommendations. The first set would reflect existing EPA rules and regulations. The second set would be based on the assumption that the proposed rule change regarding lagoons in its most recent state will be adopted.

There are some dangers in making such an assumption because the proposed rule change could be substantially altered prior to adoption. If that situation occurred the report might need to be further altered at a later date.

We will leave the decision to you. Do you wish us to complete the work now or await an EPA decision? If we proceed now, it should be agreed that our obligation for facilities planning work under our present contract will be completed with our completion of the Addendum and that we would receive prompt payment of outstanding obligations.

WESTECH ENGINEERING, INC.
February 22, 1977
Page 2

Our total contract was for \$24,250 of which \$18,188 would be paid by EPA grant and the remainder by the Cities of Newberg and Dundee. So far we understand that EPA has granted \$16,399.74 or approximately 90% of their obligation. That is probably all that they will pay until the Sewer System Evaluation studies are underway. We have been paid \$18,942.90 to date, leaving \$5307.10 unpaid. Regardless of whether you decide to have us amend the report now or not, our remaining obligation is for no more than \$1,000 and therefore \$4,307.10 of the previously billed amount should be considered currently due.

Very truly yours,

WESTECH ENGINEERING, INC.



C. H. Steketee, Jr.

CHS:ps
CC: City of Dundee

CITY OF DUNDEE

HIGHWAY 99W
DUNDEE, OREGON, 97115
P.O. BOX 201 PHONE: 538-3922

RECEIVED
FEB 11 1977

CITY OF NEWBERG, ORE,
OFFICE OF RECORDER

February 10, 1977

M. C. Gilbert
City of Newberg
414 East First Street
Newberg, Oregon 97132

Dear Mr. Gilbert:

The Council has instructed me to write to you regarding the EPA grant funds.

At the February 7, 1977 Council meeting the Council agreed to hold off applying for the grant until we hear from the EPA.

If you have any questions please feel free to contact me.

Sincerely,



Jeanne Livengood
City Recorder

JL/mj



Westech Engineering, Inc.

CONSULTING ENGINEERS AND PLANNERS

PRINCIPALS
C. H. STEKETEE, P.E.
H. C. FERRIS, P.E.

200 Lancaster Drive S.E.
SALEM, OREGON 97301

February 8, 1977

Telephone 585-2474

Mr. M. C. Gilbert, Finance Officer
City of Newberg
414 East First Street
Newberg, Oregon 97132

JO 418

Dear Mr. Gilbert:

Your letter of 2-3-77 to Cam Steketee asked or implied several questions I'll try to answer below. Cam will be out of town until 2-15-77.

First, regarding the proposed changes in EPA regulations, the Oregon Operations Office of EPA informs us that no decision has yet been reached. Moreover, it does not appear that any decision is likely in the near future and we were unable to elicit a definite date from them.

Second, while this delay does create problems there are several aspects of the Facility Plan which can still proceed. You'll recall that at several of our previous meetings with both City Councils we advocated proceeding with the detailed study of the sewage collection systems. This work, the so-called Sewer System Evaluation Survey, cannot proceed however without your authorization and that of the City of Dundee. At present we do not have that authorization.

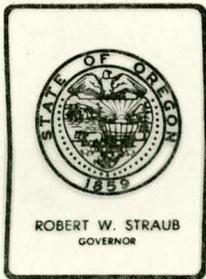
What needs to be done now is for both Councils to meet and decide whether to proceed with the S.S.E.S. work. It is not necessary at this time for either Council to adopt our Facility Plan as submitted. Both Councils should, however, adopt those recommendations which are not in doubt pending the regulation change. Specifically, Recommendation 2 on page 1-5 of the report can be adopted.

The activity schedule on page 8-5 shows the steps necessary. The dates are no longer valid but the sequence is still applicable. Activities 2 and 8 can proceed but require that a request for funds be sent to DEQ/EPA before any work can begin. The work plans for both Cities are contained in Appendix 13 of our report.

Yours truly,
WESTECH ENGINEERING, INC.


Russell W. Faust, P.E.
Project Engineer

CC:City of Dundee



00-118
CSE
CP ✓
RF

Department of Environmental Quality

1234 S.W. MORRISON STREET, PORTLAND, OREGON 97205 Telephone (503) 229- 5314

December 13, 1976

Mr. Russell W. Faust
Westech Engineering, Inc.
200 Lancaster Drive, S.E.
Salem, OR. 97301

Dear Mr. Faust:

Re: WQ - Newberg-Dundee Study
C-410494, Step I

We have completed review of the Newberg-Dundee Sewer System Facilities Planning report which was received on August 31, 1976. I apologize for my delay in sending comments to you. Initial cursory review of the report, discussions with other DEQ personnel and examination of comment letters that you have already received indicate that you are aware of some minor problems.

Hopefully, you have begun revising the report and will also be able to address the following before final printing:

1. The City of Dundee should delay adoption of any alternative evaluated since EPA is revising secondary treatment guidelines for sewage treatment lagoons. Revision of EPA Regulation 40 CFR 133 will allow higher suspended solids concentrations in the effluent discharged from lagoons.
2. Discussion of air quality impacts in Chapter 7 should be expanded (i.e. auto traffic is not the only thing affected by new development).
3. A 'walk-through' or 'windshield' archeological/historical survey must be done before the facilities plan will be complete.
4. Map 8 and Map 9 do not include many new sewers put in since 1966.
5. Present worth calculations in Table 4-9 are calculated using 1976 as the base year, not 1977 as indicated in the table.
6. Figure 5-3 does not identify the chlorine contact chamber on secondary clarifier No. 2 (i.e. annular ring).
7. Page 5-18. Sizing of sewers based on full industrial development needs to be justified.



Mr. Russell W. Faust
December 13, 1976
Page 2

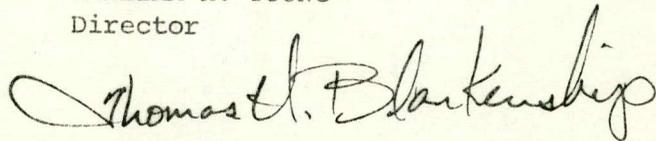
8. Page 7-11. Some clarification is needed to explain the "adverse effects" of suspended solids "on the aquatic life in the river, on recreational uses of the river, and on future downstream water uses." If clarification cannot be provided, deletion of your statement is required.
9. Sludge handling and disposal alternatives must be evaluated "in closer detail in later sections of this report" as indicated on Page 5-53. This evaluation should justify a selected alternative.
10. The recommended 10" force main and 570 GPM pump to serve Dundee will have severe and continuous operation and maintenance problems due to the incompatibility between capacity of proposed facilities and present or projected service population.

The Infiltration/Inflow analyses for both cities justify Sewer System Evaluation Studies (SSES). A plan of study for each SSES and man-day work estimates should be submitted for review and approval.

If you have any questions, please call.

Sincerely,

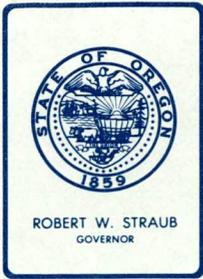
WILLIAM H. YOUNG
Director



Thomas H. Blankenship
Construction Grants Specialist
Sewerage Works Construction Section
Water Quality Division

THB:em

cc: City of Newberg
City of Dundee
Salem-North Coast Region office - DEQ



Department of Environmental Quality

1234 S.W. MORRISON STREET, PORTLAND, OREGON 97205 Telephone (503) 229- 5308

RECEIVED

JAN 31 1977

FFB 1 1977

Honorable Jack C. Nulsen, Jr.
Mayor, City of Newberg
414 E. First St.
Newberg, OR. 97132

CITY OF NEWBERG, ORE.
OFFICE OF RECORDER

Dear Mayor Nulsen:

Re: Land Use Compliance for EPA
Assisted Sewage Works Construction
Grant Projects

In the past, we have fulfilled our agency's responsibility under Oregon Revised Statute 197.180 by approving only those sewage works construction grant projects which complied with statewide planning goals. That is, since May 1975, the Department has relied upon properly executed certifications of land use compliance from the county within which the project was proposed to satisfy this requirement. The county certification, signed by the appropriate board of commissioners was submitted as part of the Step II grant application.

Following consultation with representatives of the Department of Land Conservation and Development (DLCD), we have agreed to revise our procedures for assuring project compliance with statewide planning goals, guidelines and laws. These new procedures are effective immediately and require that the following information be submitted as part of the Facilities Plan.

1. Completion of the enclosed questionnaire.
2. A certification of land use compliance which is based upon the questionnaire and signed by a responsible official for the agency having land use planning jurisdiction over the project.

It will be necessary to comply with these procedures when a Step II grant application is submitted. To facilitate this review for land use planning compliance, the questionnaire and certification must be included with the PNRS-1 notification form to the A-95 Clearinghouse. This action will permit a timely "sign off" by the Department of Land Conservation and Development.

If you have any questions, please call Tom Blankenship at 229-5314 or Bill Gildow at 229-5257.

Very truly yours,

William H. Young

WILLIAM H. YOUNG
Director



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Encl.

cc: EPA - Oregon Operations
Honorable Kenneth Hough - Mayor, City of Dundee
Salem-North Coast Region - DEQ

DEPARTMENT OF ENVIRONMENTAL QUALITY
Water Quality Division

LAND USE COMPLIANCE QUESTIONS*

SET I If you have a comprehensive plan that covers the proposed area that has received acknowledgement of compliance by LCDC with all of the Statewide Planning Goals, please answer the following:

1. Is the proposed project consistent with the facilities element of your plan?
2. Is this project in conflict with any other element of the comprehensive plan?

If so, describe the methods to resolve the conflicts.

Set II If your jurisdiction is on a comprehensive plan extension with an approved compliance schedule, please answer the following:

1. Has the public facilities element of your comprehensive plan been developed?

If yes, when was it developed?

2. If not describe your schedule for being in compliance with the LCDC public facilities goal.
3. Answer one of the following:
 - a. If the area to be served by your proposed project has not adopted an urban growth boundary and a proposed project is outside the city limits, state in detail the reasons for this extension.
 - b. If the area to be served by your proposed project is outside the urban growth boundary, state in detail the reasons for the extension and the type of land that will be affected, especially any agriculture land as defined in the Statewide Planning Goals.
 - c. If the area to be served by your proposed project is inside the urban growth boundary and is not contiguous with an urbanized area, state in detail the reasons for this extension.
4. If any conflicts are identified between the proposed project, DEQ requirements, or LCDC goals, describe the methods to be used to resolve those conflicts.

SET III If you are not on an approved compliance schedule, please answer the following:

1. Have you submitted a compliance schedule to LCDC?

* Note: Answer the appropriate set of questions and provide supportive discussion within the text of the Facilities Plan.



Department of Environmental Quality

1234 S.W. MORRISON STREET, PORTLAND, OREGON 97205 Telephone (503) 229- 5314

January 31, 1977

Mr. M. C. Gilbert
City Administrator
City of Newberg
414 East First Street
Newberg, OR 97132

Dear Mr. Gilbert:

Re: WQ - Newberg - Dundee
C - 410494

In reply to your letter of January 20, 1977, we cannot reserve funds for the City's Step II sewerage works construction grant application to August 1977 since, by your own admission - "It is possible that without suitable ground water conditions, the survey may be delayed and a Step II application would not be submitted until early 1978". Since (1) delay of the Sewer System Evaluation Survey is a very real possibility and (2) funds now reserved for your Step II application will be returned to the U. S. Treasury if not utilized by September 30, 1977, we will use the presently reserved \$108,000 for other projects that can proceed expeditiously. This action does not imply alteration of the Newberg-Dundee project's priority ranking, but instead reflects funding realities. The City's need for a Step II grant will be shown on our FY'78 (i.e. period 10-1-77 to 9-30-78) priority list and, assuming Congress allocates expected monies, we will provide assistance for the project out of FY'78 grant funds.

If you have any questions please call Mr. Blankenship at 229-5314.

Very truly yours,

WILLIAM H. YOUNG
Director

Harold L. Sawyer
Administrator
Water Quality Division

THB:em

cc: Robert E. Meyer Engineers, Inc.
Westech, Inc.
Salem-North Coast Region Office - DEQ
EPA - Oregon Operations Office



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Westech Engineering, Inc.

CONSULTING ENGINEERS AND PLANNERS

PRINCIPALS
C. H. STEKETEE, P.E.
H. C. FERRIS, P.E.

200 Lancaster Drive S.E.
SALEM, OREGON 97301

January 13, 1977

Telephone 585-2474

City of Newberg
414 East First Street
Newberg, Oregon 97123

Re: Newberg-Dundee Regional Sewer Study, Step I, Job Order 418

Attention: Mr. M. C. Gilbert, City Administrator

Dear Mr. Gilbert:

In answer to your letter to us dated January 7, we can state without hesitation that we would like to complete your Step I, Part I Facilities Planning Report as soon as possible. Actually, we had thought that the report was complete, but two factors beyond our control have apparently caused the report to be incomplete. First, the proposed EPA regulation change which would alter the effluent limitations for stabilization ponds will probably alter the report recommendations considerably. Secondly, although a draft of the report was sent to the Department of Environmental Quality in August, they never reviewed the draft and never responded to it until the middle of December. By that time, all of the hearings had been held and the report had been printed and distributed.

After some discussion with the people at DEQ, we understand that a decision regarding the proposed EPA regulation change should be forthcoming during January of this year. There is, however, some skepticism as to whether that deadline will be met. Until a decision on the regulation change is made, it is not possible to complete the report and make meaningful recommendations regarding the Dundee sewage treatment facilities.

Our intention is to proceed as follows:

1. As soon as a decision regarding the proposed EPA rule change has been made, or a strong indication of what the decision will be is apparent, we will proceed to write a short addendum to the Facilities Planning Report revising those sections effected by the regulation change, and addressing the concerns expressed in the Dec. 13 letter from DEQ.
2. We will make a number of copies of the report addendum, distribute them to both Cities and other persons and agencies concerned.

3. We will meet with the City Councils, Sewer Committees, individually or collectively as desired to discuss the report addendum.

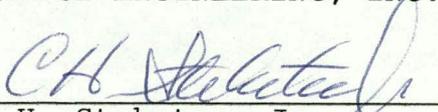
We are uncertain how much money the City has received from EPA for the planning work to date, but the authorized grant was for \$18,188.00. To date the City has paid us \$18,942.90 out of a total contract of \$24,250.00. The normal EPA policy is to pay only 90% of the grant for facilities planning work, if additional Step I work, such as a Sewer System Evaluation Study, needs to be done. You might check and let me know how much EPA has advanced to the City to date.

In reviewing the Dec. 13 letter from the Department of Environmental Quality, you will note that a "Windshield" archeological/historical survey must be done. In discussing that matter with Mr. Blankenship at DEQ, we find that a recognized archeologist must be retained for that work. The archeological study is outside the scope of our services on this project, and our suggestion was that the archeological study be undertaken after we have completed the addendum to the Facilities Plan. Presumably one or both Cities will be applying for EPA grant funds to do the sewer system evaluation work. Mr. Blankenship's suggestion was that funds for the archeological study be requested at the same time. He states that the archeological study should cost less than \$1000.

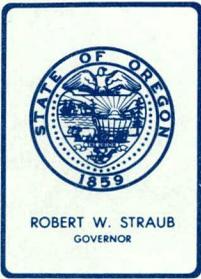
We will try to keep you appraised of our progress or lack thereof in completing this work.

Very truly yours,

WESTECH ENGINEERING, INC.


C. H. Steketee, Jr.

CHS: kr
CC: City of Dundee



Department of Environmental Quality

1234 S.W. MORRISON STREET, PORTLAND, OREGON 97205 Telephone (503) 229- 5314

JAN 14 1977

Mr. M.C. Gilbert
City Administrator
City of Newberg
414 E. First Street
Newberg, Oregon 97132

Dear Mr. Gilbert:

Re: WQ - Newberg-Dundee Regional
C-410494

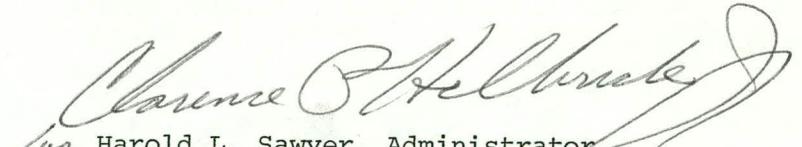
The Department has completed review of your letter dated December 10, 1976 which requested modification of the date of submission of a complete and approvable Step II grant application. We propose the date of May 1977 and will expect to receive the referenced application in our Portland office not later than ten (10) working days before the end of that month. Please be advised that because of federal expenditure limitations and adopted policy of the Environmental Quality Commission, funds will not be reserved for this project beyond May.

You should closely review the application requirements to insure that we can certify it to EPA. These requirements are attached for your information.

If, following review of this date, it is determined that you cannot meet the schedule, please advise us immediately so these funds can be used for other projects.

Very truly yours,

WILLIAM H. YOUNG
Director


Harold L. Sawyer, Administrator
Water Quality Division

THB:sa
Encl.

cc: EPA - Oregon Operations
City of Dundee
Westech Engineering
Robert E. Meyer
Salem-North Coast Region - DEQ



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DEPARTMENT OF ENVIRONMENTAL QUALITY
Water Quality Division

REQUIREMENTS TO BE SUBMITTED WITH APPLICATION
Effective January 1, 1977

Step			
I	II	III	
x	x	x	Two signed copies of the grant application (EPA Form 5700-32 Rev. 6-76), one of which must have original signature.
x	x	x	Current resolution authorizing signature on grant application (2 copies).
x	x	x	Assurance of compliance. EPA Form 4700-1 (6-74). Two signed copies, one with original signature.
x	x	x	Compliance report - EPA Form 4700-4 (4-74). Two signed copies, one with original signature.
x			Two copies of Plan of Study including maps outlining study area, task plan, and man-day work estimate.
	x		Archeological Survey (i.e., "windshield" or "walk-through" by archeologist approved by State Historic Preservation Office).
x	x	x	Engineering agreement plus 40 CFR Part 35 Subpart E Appendix C-1 (March 4, 1976). Include date of submission of completed work as part of contract and properly executed EPA Form 5700-41.
		x	Certification of 100 year flood level protection.
x	x		Comments from state and local clearing houses (Need 30 days lead time).
	x		Conformance with LCDC Goals and Guidelines (i.e., certification plus responses to land use compliance questionnaire).
		x	Legal rights to plant site, pump stations, etc.
		x	Letters of intent from significant industrial users.
	x		Applicants signed agreement to require cost recovery from all industrial users and to adopt a user charge system in conformance with EPA requirements.
		x	Approvable facilities plan.
		x	Approved plans and specifications.
	x		Description of how local share will be financed including repayment of any state loans.
		x	8" x 11" site plan.
		x	Proposed construction schedule.

- NOTE:
1. EPA may require supplemental information prior to the grant offer.
 2. Some items were not checked under Step III since we have assumed they were already provided with Step I or Step II applications.



Department of Environmental Quality

1234 S.W. MORRISON STREET, PORTLAND, OREGON 97205 PHONE (503) 229-

5314

December 13, 1976

RECEIVED

DEC 16 1976

CITY OF NEWBERG, ORE,
OFFICE OF RECORDER

Mr. Russell W. Faust
Westech Engineering, Inc.
200 Lancaster Drive, S.E.
Salem, OR. 97301

Dear Mr. Faust:

Re: WQ - Newberg-Dundee Study
C-410494, Step I

We have completed review of the Newberg-Dundee Sewer System Facilities Planning report which was received on August 31, 1976. I apologize for my delay in sending comments to you. Initial cursory review of the report, discussions with other DEQ personnel and examination of comment letters that you have already received indicate that you are aware of some minor problems.

Hopefully, you have begun revising the report and will also be able to address the following before final printing:

1. The City of Dundee should delay adoption of any alternative evaluated since EPA is revising secondary treatment guidelines for sewage treatment lagoons. Revision of EPA Regulation 40 CFR 133 will allow higher suspended solids concentrations in the effluent discharged from lagoons.
2. Discussion of air quality impacts in Chapter 7 should be expanded (i.e. auto traffic is not the only thing affected by new development).
3. A 'walk-through' or 'windshield' archeological/historical survey must be done before the facilities plan will be complete.
4. Map 8 and Map 9 do not include many new sewers put in since 1966.
5. Present worth calculations in Table 4-9 are calculated using 1976 as the base year, not 1977 as indicated in the table.
6. Figure 5-3 does not identify the chlorine contact chamber on secondary clarifier No. 2 (i.e. annular ring).
7. Page 5-18. Sizing of sewers based on full industrial development needs to be justified.

COPY

Mr. Russell W. Faust
December 13, 1976
Page 2

8. Page 7-11. Some clarification is needed to explain the "adverse effects" of suspended solids "on the aquatic life in the river, on recreational uses of the river, and on future downstream water uses." If clarification cannot be provided, deletion of your statement is required.
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The Infiltration/Inflow analyses for both cities justify Sewer System Evaluation Studies (SSES). A plan of study for each SSES and man-day work estimates should be submitted for review and approval.

If you have any questions, please call.

Sincerely,

WILLIAM H. YOUNG
Director

Thomas H. Blankenship
Construction Grants Specialist
Sewerage Works Construction Section
Water Quality Division

THB:em

cc: ~~City of Newberg~~
City of Dundee
Salem-North Coast Region office - DEQ



Department of Environmental Quality

1234 S.W. MORRISON STREET, PORTLAND, OREGON 97205 Telephone (503) 229- 5308

RECEIVED

DEC 7 1976

Honorable Jack C. Nulssen, Jr.
Mayor, City of Newberg
414 East First Street
Newberg, Oregon 97132

DEC 8 1976

CITY OF NEWBERG, ORE.
OFFICE OF RECORDER

Dear Mayor Nulssen:

Re: WQ - Newberg-Dundee (C-410494)

As a prospective applicant for Federal Grant Assistance on Part I of the approved FY 77 Sewerage Works Construction Grants Priority List, we wish to advise you that funds have been reserved for your project. Reservation of these funds has dictated certain policies which must be followed to insure maximum use of the limited funds available.

The target date for state certification of your Step II grant application is November 1976. This is a fixed date unless otherwise advised. All the information required by federal regulations to complete your application must be in this office at least ten (10) days prior to the end of that month. If this date is not met, or approval of an alternate date is not secured, funds can be allocated to another project pursuant to the Criteria for Priority Ranking as approved by the Environmental Quality Commission at their October 15, 1976 meeting. That part of the Criteria addressing project scheduling is quoted for your information on the attached sheet.

Based on the above, we request that you review your submission date with your consulting engineer. If the date has already passed or cannot be met, please initiate your request, including justification, for a schedule modification. We will hold this letter open for your replies until December 13, 1976. If your project is on schedule, no reply is necessary.

If you have any questions, please call Tom Blankenship at 229-5314.

Sincerely,

WILLIAM H. YOUNG
Director

Clarence Helbrecht
Harold L. Sawyer, Administrator
Water Quality Division

HLS:em
Encl.

cc: EPA - Oregon Operations
Salem-North Coast Region - DEQ
Robert E. Meyer
Mayor, City of Dundee



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Excerpts from
CRITERIA FOR PRIORITY RANKING
AS APPROVED BY THE ENVIRONMENTAL QUALITY COMMISSION
October 15, 1976

"E. Project Scheduling.

Funds shall be reserved for each project for those phases that are scheduled for certification prior to the end of the fiscal year. Phases which will not be initiated within that time frame will be scheduled for funding from subsequent year funds. In the event of unavoidable schedule slippage, and upon formal request and justification by the applicant, the Director may modify the schedule for the project and continue the reservation of funds provided that such modified schedule does not extend beyond the end of the fiscal year. If request and justification for schedule modification is not received within 30 days after the schedule date, the Director may allocate the funds to other projects on the list. If the Director initiates a schedule modification without prior request by the applicant, the applicant will be notified and allowed the opportunity to negotiate the new schedule.

Note: If a grant schedule is directly related to an NPDES Waste Discharge Permit schedule, the Department has authority to enforce that permit schedule. Also, the Environmental Quality Commission may enforce a schedule by order when appropriate."

December, 1976



Westech Engineering, Inc.

CONSULTING ENGINEERS AND PLANNERS

PRINCIPALS
C. H. STEKETEE, P.E.
H. C. FERRIS, P.E.

200 Lancaster Drive S.E.
SALEM, OREGON 97301

Telephone 585-2474

November 19, 1976

RECEIVED

NOV 22 1976

City of Newberg
414 East First St.
Newberg, Oregon 97132

CITY OF NEWBERG, ORE.
OFFICE OF RECORDER

Re: Newberg-Dundee Sewerage Study, JO 418

Attention: Mr. M. C. Gilbert, City Manager

Dear Mr. Gilbert:

I'm sorry not to have gotten back to you sooner after our recent discussions, as there is apparently some confusion regarding what steps Newberg might advantageously take to correct the sanitary sewer leakage problem. As I'm sure you realize, the EPA Study-Grant process is difficult to understand for those who are not involved with the process on almost a daily basis. I'm sure that part of the problem is ours, in that we probably have not made an adequate effort to fully explain the process to you and others. Enclosed you will find a very short description of the three-step EPA grant process. Newberg and Dundee have completed Part I of Step I, as shown on that sheet. For both Newberg and Dundee, the infiltration/inflow analysis which has been completed shows that there are excessive flows in both systems, which can be advantageously removed.

Assuming that EPA accepts the information presented in the Facilities Planning Report, both Newberg and Dundee, or Newberg and Dundee together, should be eligible for additional Step I grant funds for making a sewer system evaluation. The sewer system evaluation consists of the following:

1. Smoke testing the entire sewage collection system to locate inflow sources, connections with storm drainage facilities, and incidental leakage.
2. A visual inspection of the entire sewage collection system to find manhole leaks, pipe problems, etc.
3. Measurement of system flows during wet weather to isolate those sections of sewer which contribute significant I/I flows.

4. Clean and T.V. inspect those sewer lines which are apparently substantial I/I contributors.
5. Prepare a report showing where the I/I problems are, how they should be fixed, which ones should be fixed, and what the cost will be.

The sewer system evaluation must be completed before the City can proceed with any EPA-funded sewage treatment plant improvements.

While I don't want to belabor the point, we do believe that the City should seriously consider this work, because,

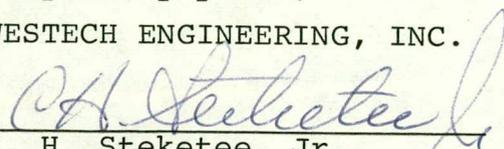
1. The City has a significant sewer system leakage problem which has been of concern for some time,
2. This process allows 75% EPA financing of the investigative work, as well as the corrective work involved with eliminating the excessive infiltration/inflow, and
3. The sewer system evaluation must be completed before the City can receive EPA grants for any sewage treatment plant improvements.

We did make an attempt to explain the overall Step I planning process in our original proposal to you in February, 1975. A copy of that proposal is enclosed, with the portions relating to the sewer system evaluation work red lined. In the proposal we had anticipated a delay in the facilities planning process, if it became apparent that a sewer system evaluation study was required. Because of the delays in gaining funding for the study, the City's apparent desire to get the results of the facilities plan as quickly as possible, and the fact that the sewer system evaluation turned out to be not needed to reach the various planning decisions set forth in the Facilities Plan, we did not in fact delay the planning process in order to accomplish the sewer system evaluation.

I would be happy to meet with you and Jim, or the Council, or whoever might be interested, if you wish to pursue this matter further. In order to receive additional EPA grant funds for the sewer system evaluation, it will be necessary to write DEQ requesting additional grant funds, and to submit a number of other documents and information required by them.

Very truly yours,

WESTECH ENGINEERING, INC.


C. H. Steketee, Jr.

EPA GRANT STEPS

STEP 1

Part 1 - Facilities Plan which includes all basic planning, infiltration/inflow analysis, cost-effective analysis, environmental assessment.

Part 2 - If infiltration/inflow analysis indicates that excessive sewer system flows should be eliminated by sewer system rehabilitation, a Sewer System Evaluation Study (SSES) will be required. The SSES should locate all significant I/I sources, determine which leaks should be fixed, how, and what the costs would be.

STEP 2

Design for construction of all facilities to be build including the repairs to the sewer system.

STEP 3

Construction of all facilities including sewer repairs.

February 27, 1975

PROPOSAL
to the
CITIES OF NEWBERG AND DUNDEE
for
SEWERAGE FACILITIES PLANNING

Westech Engineering, Inc. hereby proposes to accomplish the following work considered necessary for the successful development of sewerage facilities plans for the Cities of Newberg and Dundee.

Work shall cover as a minimum, the 15 requirements listed in the February 21 request for engineering proposals as addressed to our firm. In order to gain approval of the sewerage facilities plan and to ensure funding assistance, the proposed work plan is designed to fulfill current EPA requirements as well. These requirements are outlined in the "Guidance of Facilities Planning". They include assessment of environmental effects and provisions for public input. The planning area will include all land within an established Newberg-Dundee regional basin boundary.

The following work plan is organized into chronological steps which we have found to be efficient for the sewerage facilities planning process. Estimates of planning time requirements and costs are presented thereafter.

Section A - General Planning

1. Verify planning area boundaries for consistency with pending basin plans and environmental assessment needs. Coordinate with areawide waste treatment management plans. (FWPCA Section 303 basin plans are not yet available).
2. Assemble and review available data relating to sewerage facilities planning. This data includes sewer system maps and drawings, existing engineering reports on systems, comprehensive and land use plans, plant records, documentation on known problem areas, infiltration records, correspondence files, etc.
3. Prepare overall map delineating study area; prepare base maps for both Newberg and Dundee sewer systems suitable for planning purposes. It is understood that Newberg will supply available topographic and aerial maps.
4. Review study plan proposed herein with Cities, DEQ and EPA. Firm up planning tasks and scheduling.
5. Make population and population distribution projections for the study area, based on comprehensive and land use plans.
6. Estimate both municipal and industrial sewage flows for each sub-basin area, under present conditions and at the end of the design period.

Section B - Preliminary Analyses of Sewage Treatment Facilities

1. Coordinate planning effort with work underway by DEQ and COG. Establish secondary treatment and best possible water treatment technology (BPWTT) requirements meeting EPA criteria for effluent limitations and point loadings. Investigate pollution abatement needs for further treatment of overflow loads. Identify and set forth other local environmental and water management goals.
2. Analyze adequacy of existing sewage treatment facilities for both Cities. Evaluate treatment plants with respect to performance, operational problems, operating facilities and personnel, effluent and sludge disposal procedures, and testing and maintenance programs.
3. Determine present and future sewage plant loadings. Develop alternate sewage treatment facilities for the entire planning area on a tentative basis. Investigate appropriate locations and basic characteristics of alternate sewage treatment and effluent/sludge disposal facilities. Evaluate the costs and environmental impacts of these alternates for comparison purposes. Display the alternate plans.
4. Investigate the advantages/disadvantages of a regional collection and treatment system serving both Cities, and compare with separate municipal systems approach. Estimate breakover point in time when regionalization of the systems may have merit due to increased development. Estimate capital and operational costs of a regional system, and recommend on the apportioning of local costs.
5. Investigate the Dundee system to determine whether or not it is a "simple planning case". Evaluate treatment alternatives for Dundee in achieving secondary treatment requirements per 40 CFR, Part 133.
6. Evaluate the potential and costs for upgrading the Newberg treatment facility with respect to increased capacity, solids removal from contact chambers, improved clarifier skimming, and sludge disposal.

Section C - Analyses of Sewage Collection Systems

1. Examine treatment plant flow records and documentation on infiltration problems and effectiveness of on-going waste reduction measures. Confer with public works personnel, and State/Federal agency representatives. Estimate general adequacy and condition of existing collection systems. Isolate known problem areas. Set strategy for performing infiltration/inflow analyses.
2. Develop alternate sewage collection systems to serve the entire study area, on both a regional and a separate system basis. Make tentative selections for sizing and routing of alternate trunk and collector sewers, and force mains. Determine most effective lift station locations and basic pumping requirements.

Make preliminary estimates of the cost and environmental effects of the alternate collection systems. Weigh the benefits against the costs for each service area and in total.

3. Perform detailed infiltration/inflow analyses of collection systems to satisfy EPA requirements for same. Make selected dry weather flow measurements during summer of 1975; make selected wet weather infiltration/inflow measurements during winter of 1975-76. Compare wet weather to dry weather flow measurements to determine locations and extent of infiltration/inflow problems. Inventory leaking manholes and sewer lines. Determine areas of excessive infiltration/inflow. Estimate the costs of treating infiltration/inflow versus the costs of rehabilitating the sewer systems.

Determine apparent cost-effectiveness of sewer system rehabilitation measures, and proceed as follows:

- THIS IS YOUR SITUATION* →
- a. If system rehabilitation is cost-effective, a detailed sewer system evaluation is required as outlined under Item 4 hereinafter. At this point an interim report summarizing the findings of the preceding investigations will be prepared and submitted. Following concurrence by EPA in these findings, the sewer system evaluation work will begin.
 - b. If system rehabilitation is found to be not cost-effective, the detailed sewer system evaluation is not required. Submit the findings of the investigations, and following EPA concurrence, proceed with the balance of the sewerage facilities planning.

Note that presently the consensus of all people contacted is that the Dundee collection system will probably not require detailed infiltration/inflow and sewer system evaluation work. We propose to verify this thinking through examination of plant records and selected measurements, etc., to ensure compliance with EPA guidelines.

4. Providing rehabilitation is found to be cost-effective, a detailed sewer system evaluation will be performed to satisfy the requirements of EPA's "Guidance for Sewer System Evaluation". This work includes physical surveys, rainfall simulation, preparatory cleaning, internal inspections, and a survey report. The extent of this work and associated costs are not determinable at this time, if required at all. Locate and measure excessive infiltration/inflow sources. Estimate the costs of collection system rehabilitation. Repairs which can be made on a cost-effective basis will be outlined, along with the expected reduction in infiltration/inflow and in treatment requirements. Overall capital and operational costs of alternate facility proposals will then be re-evaluated on the basis of recommended collection system repair work.

Section D - Completion of Sewerage Facilities Planning

1. Continue development and re-structuring of alternate sewage collection and treatment facility proposals. Refine construction costs, and operational and maintenance costs for each alternate. Make tentative selection of most cost-effective overall plan for the design period.
2. Evaluate the feasibility of a regional collection and treatment system for the Newberg-Dundee area, and identify the prospective wastewater management entity. Estimate cost allocations between local government units.
3. Refine and expand on previous assessments of environmental effects for each alternate system proposed.
4. Screen alternate systems and sub-systems according to the evaluation process contained in the EPA guide. Make comparative evaluations of each overall system alternative with respect to first and annual costs, environmental effects, consistency with water quality goals, operability, reliability, and flexibility. Reduce the number of alternate system proposals to several of the most promising.
5. Investigate and report on all financial considerations, including funding assistance programs and allocations of the local costs. Evaluate the municipal/industrial sewer service rate structure in both Cities, and determine equitable adjustments. Recommend measure for generating revenue to accommodate operational costs and debt retirement for each of the final system alternates proposed. Compare the alternates with respect to present worth and equivalent annual costs.
6. Report on the capabilities of the existing local government units to implement the most promising, alternate plans proposed. Investigate the feasibility of implementing any regional plan by a new agency such as a county service district, and state empowering legislation. Formulate an implementation plan and schedule for each of the final system alternates. Include phased development of improvements if appropriate.
7. Compare the alternate system plans and rank them in relation to all of the above evaluation parameters. The most promising system proposals will be adequately described and displayed in a manner suitable for public presentation. Public hearings will be held, and public input received, as a basis of final plan selection. (We will work closely with the designated steering committee all through the planning process).

8. Following selection of the final plan, the planning report will be completed as outlined in Chapter 8 of the EPA guide. The selected plan will be again refined and described in more detail by text, exhibits, and appendices. Financial requirements will be firmed up. Institutional arrangements will be reviewed and presented. A financial program and schedule for implementing the plan will be prepared. The final planning report will be prepared in 40 copies, and submitted for approval to the Cities, A-95 Clearinghouse, DEQ, and EPA.

In our considered opinion, the best interests of both Cities will be served by having all sewerage facilities planning work undertaken on a time and materials basis within a stipulated budget. This procedure provides the flexibility to make some adjustments in the scope of work if found necessary, without having to renegotiate the engineering contract. In short, this time and materials basis amounts to a days work for a days pay, and it eliminates the need for incorporating a risk factor into the proposal.

Therefore, we propose to accomplish the sewerage facilities planning work outlined herein on a time and materials basis in accordance with the following rate schedule. Our manpower and cost estimates presented hereinafter show that this work is accomplishable within the budgeted amount. We believe that this project will be most effectively served by the close attention of several key personnel who are trained in sewerage facilities planning work.

Westech Rate Schedule

Registered Engineer	- - - - -	\$22.00/hr.
Engineer	- - - - -	16.00/hr.
Technician	- - - - -	12.00/hr.
Draftsman	- - - - -	12.00/hr.
2 Man Survey Crew	- - - - -	23.00/hr.
Clerical	- - - - -	6.00/hr.
Mileage	- - - - -	0.15/mile
Outside Expense (Reproduction, etc.)	- - -	At Direct Cost

Work Plan Scheduling and Cost Estimates

Work Item No.	Target Dates		Manpower Requirements	Estimated Costs		
	Begin	Complete		Low	High	
A.1	4-1-75		1.5 PED	\$250	\$300	
2			3.0 PED	500	650	
3			1.5 PED	1000	1100	
			8.0 DD			
4			1.5 PED	250	300	
5			2.5 PED	400	500	
6	4-30-75		3.0 PED			
			4.0 ED	1200	1300	
			2.0 TD			
			EXP.	300	400	
Total Section A =			\$3900	\$4550		
B.1			5-1-75		3.0 PED	500
2	6.0 PED	1000			1100	
3	3.5 PED	1100			1300	
	3.0 ED					
	2.0 DD					
4	2.0 PED	300			400	
5	1.5 PED	350	450			
6	6-6-75		1.0 ED			
			3.0 PED	600	700	
			1.0 ED			
			EXP	300	400	
Total Section B =			\$4150	\$4950		
C.1			6-9-75		3.0 PED	750
	2.0 ED					
2	6.0 PED	1700			1900	
	3.5 ED					
	3.0 TD					
3	(Dry Weather I-I) 7-31-75	8.0 PED			4400	5100
	(Wet Weather I-I) 1-9-76	4.0 ED				
		28.0 TD				
		3.0 CD				
		EXP	500	700		
Total Section C, Items 1-3 =			\$7350	\$8550		
4. Detailed Sewer System Evaluation Work Not Determinable at this time and may not be required.						
D.1	2-2-76		2 PED	450	500	
			1 Ed			
2			1.5 PED	250	300	
3			1.0 PED	300	350	
			1.0 ED			
4			2.0 PED	550	650	
			2.0 ED			
5	3.0 PED	600	700			
	1.0 ED					
6	2.0 PED	450	500			
	1.0 ED					
7	2.5 PED	1000	1200			
	1.0 ED					
	4.0 DD					
	2.0 CD					

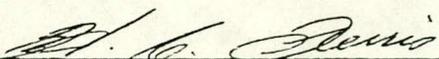
Work Item No.	Target Dates		Manpower Requirements *	Estimated Costs	
	Begin	Complete		Low	High
8		4-1-76	3.0 PED 1.0 ED 4.0 DD 3.0 CD	1100	1300
			EXP	600	700
Total Section D =				\$5300	\$6200
Estimated Total Cost For Above Listed Work =				\$20,700	\$24,250

- * Nomenclature:
- PED = Professional Engineer Days
 - ED = Engineer Days
 - TD = Technician Days
 - DD = Draftsman Days
 - CD = Clerical Days
 - EXP = Mileage and Expenses

Thank you for requesting this engineering proposal for sewerage facilities planning in the Newberg-Dundee area. We look forward to meeting all of you personally to discuss this proposal further. And, we look forward to being of service to Newberg and Dundee.

Respectfully submitted,

WESTECH ENGINEERING, INC.



H. C. Ferris, P.E., President

HCF/ah

NOTICE OF PUBLIC HEARING
TO CONSIDER SEWER FACILITIES IMPROVEMENTS
FOR THE CITY OF NEWBERG AND THE CITY OF DUNDEE

NOTICE IS HEREBY GIVEN that at 7:30 p.m. on Tuesday, November 23, 1976, a public hearing will be held in the Council Chambers, City Hall, Newberg, Oregon to discuss proposed improvements to the sewer facilities of both the City of Newberg and the City of Dundee. Alternative sewage treatment facilities, economic impacts, environmental impacts, and social impacts will be discussed.

A draft of the engineering report explaining these matters is available at the City Hall, Newberg, Oregon, the City Hall, City of Dundee, and at Westech Engineering, Inc., 200 Lancaster S.E., Salem, Oregon upon request.

Any person wishing to speak for or against the above proposal may do so in person or by attorney at the public meeting. Also written objections may be filed with the City Recorder, City Hall, Newberg, Oregon.

M.C. Gilbert
City Administrator

Publish: October 14, 1976
November 18, 1976



Westech Engineering, Inc.

CONSULTING ENGINEERS AND PLANNERS

PRINCIPALS
C. H. STEKETEE, P.E.
H. C. FERRIS, P.E.

200 Lancaster Drive S.E.
SALEM, OREGON 97301

Telephone 585-2474

October 15, 1976

City of Newberg
414 East First Street
Newberg, Oregon 97132

RECEIVED
OCT 18 1976

Re: Newberg-Dundee Regional Sewer Plan, Job Order 418

CITY OF NEWBERG, ORE.
OFFICE OF RECORDER

Attention: Honorable Mayor and City Council

Gentlemen:

The following notice recently reached us:

"EPA is proposing a regulation that would eliminate the need for about 3000 small communities to upgrade existing wastewater treatment plants or build new ones in order to meet federal requirements. EPA believes the new rule could save a total of from \$700 million to \$1 billion.

"The proposed regulation would allow EPA regional offices or state agencies to set less stringent standards for suspended solids removal, for communities that are not located on water quality limited stream segments, and that process 1 MGD or less by using wastewater stabilization ponds for secondary treatment. After extensive study, EPA determined that ponds cannot comply with suspended solids limitations because of algal growth, not because of putrescible solids found in untreated or partially treated wastewater. The advantage of ponds--low cost, low energy requirements, good reliability, no need for highly skilled operators--makes a good case for allowing ponds in small communities. EPA is seeking comments on the proposal by November 1, and a decision is expected after the first of the year."

Immediately after receiving this notice we contacted DEQ to determine if the Willamette River in your area constitutes a water quality limited stream segment. So far we have no answer to that question.

We have also learned that because of the proposed rule change, any projects involving the upgrading or elimination of existing stabilization ponds will not be eligible for Step II or Step III EPA grants until after this proposed rule change is resolved. If the proposed rule change is promulgated, and if the Willamette River near Newberg is determined to be non-water quality limited, the conclusions of the report recently presented to you will very

Westech Engineering, Inc.
October 15, 1976
Page 2

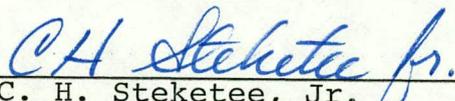
likely change. Simple expansion of the Dundee stabilization ponds, rather than any of the other alternatives discussed, including a regional system, will probably then be most feasible and would probably be recommended.

Regardless of the outcome of these matters, neither City is in a position to now proceed with the design of any improved treatment system. Further detailed investigation into the sewage collection leakage problems in both cities is required before any design for actual construction can be started. We strongly recommend that both Cities individually correspond with DEQ requesting authority and funds to proceed with the Sewer System Evaluation Studies. That work itself will take several months to accomplish, and much of it should be done this winter, or an entire year will be lost before the work can be completed. Dundee especially should be concerned with being in a position to proceed with the expansion of treatment facilities when feasible to do so. Newberg particularly should be concerned with the correction of sewer system infiltration/inflow problems because of the severity of those problems in the Newberg system.

We would be very happy to meet with the appropriate officials from each town at your convenience to outline what work needs to be done, and what requests to DEQ and EPA should be made.

Very truly yours,

WESTECH ENGINEERING, INC.


C. H. Steketee, Jr.

CHS:kr
CC: City of Dundee



Westech Engineering, Inc.

CONSULTING ENGINEERS AND PLANNERS

200 Lancaster Drive S.E.
SALEM, OREGON 97301

Telephone 585-2474

September 14, 1976

Environmental Protection Agency
1234 S.W. Morrison
Portland, Oregon 97205

Re: Newberg-Dundee Facilities Plan
Fed. Grant C-410494-01-0

Attention: Mr. Allen S. Goodman

Gentlemen:

Enclosed are two copies of a request for reimbursement which we are forwarding to you on behalf of the City of Newberg, Oregon. Also enclosed is one copy of our Billing Statement of September 7, 1976 requesting payment of \$13,955.10. We understand you also need a breakdown of the project costs in order to process this request.

Our actual costs through 8-31-76 on this project are:

Direct Labor Costs	\$30,851.90
Travel, printing, misc. costs	<u>1,879.48</u>
Total Project Costs through 8-31-76	\$32,731.38

Our agreement with the City of Newberg however places an upper limit of \$24,250.00 on this project. The report has been completed and was submitted on 8-24-76 to both City Councils. A meeting is scheduled for 7:30 pm, October 5, 1976 at Newberg City Hall at which the Facility Plan will be discussed.

Please call me at 585-2474 in Salem if there is additional information we can provide.

Yours truly,

WESTECH ENGINEERING, INC.

Russell W. Faust
Project Manager

RWF:ps

CC: City of Newberg ✓ City of Dundee

WATER SUPPLY AND DISTRIBUTION • FLOOD CONTROL • IRRIGATION • DAMS AND RESERVOIRS • WASTE WATER DISPOSAL

SUBDIVISIONS AND UTILITIES • STREETS AND ROADS • STRUCTURAL • SURVEYING

JO 418

RECEIVED
SEP 14 1976
CITY OF NEWBERG, ORE.
OFFICE OF RECORDER

RECEIVED
CITY OF NEWBERG, ORE.
OFFICE OF RECORDER



Westech Engineering, Inc.

CONSULTING ENGINEERS AND PLANNERS

200 Lancaster Drive S.E.
SALEM, OREGON 97301

Telephone 585-2474

PRINCIPALS
C. H. STEKETEE, P.E.
H. C. FERRIS, P.E.

September 7, 1976

RECEIVED
SEP 9 1976

CITY OF NEWBERG, ORE.
OFFICE OF RECORDER

Mr. M. C. Gilbert
City of Newberg
414 East First Street
Newberg, Oregon 97132

Newberg-Dundee Facility Plan
Job Order 418

Dear Mr. Gilbert:

Enclosed is a bill for our services through 8-31-76 and three copies of a request to EPA for reimbursement. Please review the reimbursement request and, if you approve, ask Mayor Nulsen to sign two copies of the request and send them to:

Environmental Protection Agency
1234 S.W. Morrison St.
Portland, Oregon 97205
Attn: Mr. Allen S. Goodman

A public hearing on the facilities plan is required by EPA regulations prior to application for Step 2 funding. A notice of at least 30 days prior to that hearing is required. We remain prepared to assist you and the Councils of Newberg and Dundee in reviewing the plan before the public hearing.

Yours truly,

WESTECH ENGINEERING, INC.


Russell W. Faust, P.E.

RWF:kr
Encl: noted

OUTLAY REPORT AND REQUEST FOR REIMBURSEMENT FOR CONSTRUCTION PROGRAMS

1. Federal Agency and Organizational Element: **EPA Region X** 2. Federal Grant No. or Other Identifying Number: **C-410494-01-0**

3. Type of Request: Final Partial 4. Basis of Request: Cash Accrued Expenditure 5. Partial Payment Request No.: **2** ✓

6. Employer Identification No. 7. Grantor Account No. or Identifying No. 8. Period Covered (Month, Day, Year): FROM **5** | **1** | **76** TO **8** | **31** | **76**

9. Name of Grantee Organization: **City of Newberg**
 STREET NO. AND NAME: **414 East First St.**
 STATE: **Oregon** ZIP CODE: **97132**

10. Name of Payee (if different than Item 9):
 STREET NO. AND NAME: _____
 CITY: _____ STATE: _____ ZIP CODE: _____

mk 9/21

11. STATUS OF FUNDS

CLASSIFICATION	PROGRAMS — FUNCTIONS — ACTIVITIES			TOTAL
	(1)	(2)	(3)	
a. Administrative expense	\$	\$	\$	\$
b. Preliminary expense				
c. Land, structures, right-of-way				
d. Architectural engineering basic fees	24,250.00			24,250
e. Other architectural engineering fees				
f. Project inspection fees				
g. Land development				
h. Relocation expense				
i. Relocation payments to indiv. and businesses				
j. Demolition and removal				
k. Construction and project improvement cost				
l. Equipment				
m. Miscellaneous cost				
n. Total cumulative to date (Sum of Lines a-m)	24,250.00			24,250
o. Deductions for program income				
p. Net cumulative to date (Line n minus Line o)	24,250.00			24,250
q. Federal share to date	18,187.50			16,369
r. Rehabilitation grants (100% reimbursement)				
s. Total Federal share (Sum of Lines q and r)	18,187.50			16,369 ✓ 90% of grant
t. Federal payments previously requested	7721.17			7,721 ✓
u. Amount requested for reimbursement	10,466.33		\$	\$ 8,648 ✓
v. Percent of project completed	% 95%	%	%	% 90%

Hold at 90% of Grant Amt pay Amt \$8,648 OCT 1 1976 Sold

APPROPRIATION: **68X01037**
 ACCOUNT NUMBER: **6364103 BV3**
 OBJECT CLASS CODE: **4111**
 COMMITMENT NUMBER: **276416**
 DATE: **10-14-76**
 GRANTS SPECIALIST: **Jackie Daley**

12. CERTIFICATION - I certify that to the best of my knowledge and belief the billed costs of disbursements are in accordance with the terms of the project and that the reimbursement represents the Federal share due which has not been previously requested and that an inspection has been performed and all work is in accordance with the terms of the grant.

a. GRANTEE		b. STATE, LOCAL, OR FEDERAL GOVERNMENT REPRESENTATIVE	
Name: City of Newberg	Telephone No.:	Name: Westech Engineering, Inc.	Telephone No.: 585-2474
Title: Mayor	Signature of Authorized Official:	Title: Engineer	Signature of Authorized Official:
Date: 9/10/76		Date: 9-7-76	

90% of grant pay 76

RECEIVED
 SEP 20 1976

EPA

RECOMMENDED FOR PAYMENT.
Woodman 9/17/76
 PROJECT ENGINEER

MEMORANDUM

TO: Curt Smelser, Program Manager
Section 208 Planning

DATE: August 3, 1976

FROM: Bob Robertson, Senior Planner
Section 208 Planning

SUBJECT: Meeting to Discuss Newberg-Dundee Population Projections

A meeting was held today at 10:00 a.m. in COG's Third Floor Conference Room to discuss recent Yamhill County population projections based upon the 208 methodology for Newberg-Dundee. The following persons attended:

Russ Faust - Westech Engineering (201 Facility Planner)
Tom Peters, CH₂M-Hill - Dundee Planning Consultant
Dale Blanton, Planner, Newberg
John Morrell, Planner, Yamhill County
Greg Wolf, LCDC County Coordinator, Yamhill County
Donna Hepp, LCDC Field representative for Yamhill County
Frank Mauldin, Environmental Engineer, Section 208 Planning
Bob Robertson, Senior Planner, Section 208 Planning

Recent Yamhill County Planning Department population projections for Newberg-Dundee seemed to be lower than city planner for Newberg or Dundee's planning consultant felt realistic given the proposed urban growth boundaries and future sewerage facility improvements. County and city planners agreed that the following changes be made to the projections:

1. Change Dundee's year 2000 figure from 1860 to 2200.
2. Change Newberg's year 2000 figure from 12,957 to 17,800.
3. Change Newberg-Dundee combined total for year 2000 from 14,817 to 20,000.

John Morrell stated that he would adjust 5 year increment figures for each city and make necessary changes in other census divisions to reflect higher growth in Newberg-Dundee.

The adjusted total figure (20,000) is still below the 27,000 figure projected in the Westech facility study. Mr. Faust stated he would include financial considerations for the lower population figures within his proposed alternatives.

ROBERTSON/pb

cc: Russ Faust
Tom Peters
Dale Blanton
John Morrell
Greg Wolf
Frank Mauldin
Donna Hepp



Westech Engineering, Inc.

CONSULTING ENGINEERS AND PLANNERS

PRINCIPALS
C. H. STEKETEE, P.E.
H. C. FERRIS, P.E.

200 Lancaster Drive S.E.
SALEM, OREGON 97301

Telephone 585-2474

August 2, 1976

RECEIVED

AUG 4 1976

CITY OF NEWBERG, ORE
OFFICE OF RECORDER

Mr. Bob Robertson
MidWillamette COG
400 Senator Building
220 High Street NE
Salem, Oregon

Dear Bob:

To confirm the conclusions reached at our meeting this morning concerning population projections to be used in Newberg-Dundee Facility Plan below is a summary from my notes. Please review these notes and let me know if they do not accurately represent what was discussed and agreed.

Meeting Summary

Place: COG Conference Room -3rd Floor Senator Hotel, Salem
Time: 10:00 A.M. 8-2-76
Present: Bob Robertson, COG
Frank Mauldin, COG
Dale Blanton, Newberg City Planner
Tom Peters, CH2M-Hill, Dundee Planning Consultant
John Morrel, Yamhill County Planning Department
Greg Wolf - LCDC Coordinator
Donna Hepp- LCDC Coordinator

Several population projections for the Newberg-Dundee area are currently being discussed. Among these are:

	<u>Dundee</u>	<u>Newberg</u>	<u>Total-Yr. 2000</u>
Yamhill Co.Comp.Plan	1950	18000	19950
Westech	2400	23000	27000
PSU (middle range)	1860	12957	14817
Consensus	2200	17800	20000

Urban growth boundaries in both cities have tentatively been developed. Newberg's boundary would not include the area between the two cities as it is presently drawn nor would Dundee's. Neither boundary has yet been adopted officially.

It is not likely that the change in population projection from 27,000 to 20,000 total will alter the rankings of the various alternative plans. Therefore, Westech will submit the Facility Plan to the Cities and DEQ/EPA without revising the population projections. The revised projections would, however, change the cost figures and cost per capita figures developed in the plan somewhat and should be considered in the financing sections of the report and again at Step 2 of the EPA grant process as construction plans and final sizing of treatment and collection system components are developed.

Yours truly,

WESTECH ENGINEERING, INC.



R. W. Faust

CC: City of Dundee
City of Newberg
Tom Peters-CH2M-Hill (Portland)
John Morrell - Yamhill County Planning Department



Westech Engineering, Inc.

CONSULTING ENGINEERS AND PLANNERS

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Telephone 585-2474

July 26, 1976

Mr. Myrland C. Gilbert
City Administrator
414 East First St.
Newberg, Oregon 97132

RECEIVED
JUL 27 1976
CITY OF NEWBERG, ORE
OFFICE OF RECORDER

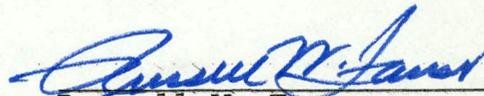
Dear Mr. Gilbert:

Enclosed is a summary of the July 7, 1976 public hearing on the draft Facilities Plan report. If it is not inconvenient to do so, we suggest that you retain your tape recording of the meeting. Ours is not the best quality and it would be good to have a back-up. We are also sending a copy to the City of Dundee.

We have also received written comments from Jim Nims, Dale Blanton and Craig Greenleaf as of 7-23-76.

Very truly yours,

WESTECH ENGINEERING, INC.


Russell W. Faust

RWF:ps
Enc. Meeting Summary
CC: City of Dundee/w/encl.

MeadBond

financing and implementation and will deal in more detail with the recommended plan. Chapter 2 gives some background on how the report came to be written and outlines some of the problems which led to the investigation. Chapter 3, Planning, describes the existing situation, particularly the environment and possible future growth in the Study Area and provides the population projections for year 2000 upon which the remainder of the report is based. Chapter 4 describes the sewer systems of both cities with respect to their condition and adequacy and presents the data of the Infiltration/Inflow (I/I) Analysis which is used again in Chapter 6. Chapter 5 describes and compares the various treatment plans. Sixteen plans were considered for Dundee, four plans for Newberg and 4 or 5 regional plans were investigated. Chapter 6 presents the Cost Effective Analysis where the costs of treatment are compared to the cost of system repair. Chapter 6 is summarized in figures 6-1, 6-2 and 6-3. In Chapter 7, seven plans are selected for further investigation with regard to their costs, environmental effects, energy & resource use, reliability, operability and flexibility. Table 7-9 summarizes these factors.

Mr. Faust then asked if anyone wished to ask questions or comment.

Citizen: John Cach

On that Chapter 2 for Dundee it mentions that the system is capable of serving 1350 people. In Newberg it says the capability is 6 million gallons per day. Is there some conversion like how many people is 6 million or how many million gallons is serving 1350 people?

Engineer:

The rough rule of thumb is that we estimate 6 million gallons a day would be enough for 60,000 people. That's a little bit misleading because that's the peak hydraulic capacity, but the plant cannot be operated for any length of time at that flow. The design population for the Newberg plant is between 15,000 and 20,000.

Citizen: John Cach

In determining the future costs you must have had some kind of escalation charge for material, paper and also some interest rates assumed for the money.

Engineer:

Yes. 6 1/8% interest rate is assumed for all the cost estimates. No allowance is made in cost estimates for inflation.

Citizen: John Cach

1976 dollars?

Engineer: Yes. All costs are brought back to 1976 Present Worth.

Citizen: John Cach

But it looks like the year 2000 could be used as fixed now, today, to link with 2000, something remains fixed. (Remainder of question unintelligible)

Engineer:

The cost estimates generally assume that rehabilitation of the sewer system will take place next year or two. Some parts of the treatment plant would not be built until 1985-90. That sort of phasing is discussed in a chapter which isn't here, Chapter 8, where the recommended plan is discussed.

Citizen:

My question is, at this point, directed at public input. (referring to Chapter 1) Which is your recommendations?

Engineer:

We prefer not to say until after we've heard public comments on what's in these seven chapters.

Citizen:

You do have decisions, you have which are made on the facts. What I'm asking is based on those facts, not on public opinion, at this point, which one of those plans is your recommendation?

Engineer:

Let me point out a few things about the seven selected plans. In Table 7-6 you can see that on a cost basis a very logical shows 9+. That meaning taking plan DIB2 a recommended treatment plan for Dundee and NIID1a one of the selected plans for Newberg. Both of those are two separate treatment plans. Total present work involved costs considered would be about 3.05 million dollars. Compared to the best regional plan which is the least costly regional plan RIIB1a 3.12 million dollars which are within 2 percent of each other and the cost estimate accuracy is probably plus or minus 10 percent or so.

Citizen:

Well then do I read your table right when I read DIB2 saying total composite ranking is good as NIIB1a which is best, and then the RIIB1a which is total best. If your scoreboard is right are you saying that the RIIB1a right now is leading contender as far as recommendations go?

Engineer:

No. What we are trying to say Table 7-9 is that DIB2 is apparently the best Dundee Plan but not necessarily the best of the seven plans. (End of side one of tape. There is a gap of perhaps one minute while tape is being changed.)

Did I answer your question?

Citizen:

No. That's o.k.

Citizen: Sally Jones

This regional plan that you have considered excludes Sunnycrest. Right?

Engineer:

That's correct.

Citizen: Sally Jones

That is a political decision. Was the county involved in this?

Engineer:

You mean, why did we exclude it?

Citizen: Sally Jones

There is a county comprehensive plan that has an alternate plan A addressing the possibility of industrial development between the two cities and Newberg is particularly concerned about a lack of industrial, potential industries by it. If your conclusions show a population in the Sunnycrest area are not going to be great enough to support a sewer system, would industrial alter those cost effective estimates?

Engineer:

As I recall what was in Plan A it shows industrial growth along Hwy 99. That could be accomodated under any regional plan shown. Not necessarily required that sewers be extended up the Chehalem Valley.

Citizen: Sally Jones

But you were talking a forced line from Dundee to Newberg in that least costly regional?

Engineer:

That's right. We were talking about the expanding the existing Dundee pump station and laying a forcemain all the way to Newberg treatment plant.

Citizen: Sally Jones

Can you hook on a forced line? That isn't going to do anything at all to our industrial development in that area.

Engineer:

No. It does not have to be a forced line. It could be a combination force main and gravity sewer. We have assumed a force main because it is cheaper.

Citizen: Bob Schmidte

Let me follow that up. On your map the dark areas between Dundee and Newberg excludes all this area along 99.

Engineer:

That's right.

Citizen: Bob Schmidt

In other words if there is any development along 99 they would not be included in the sewer system.

Engineer:

What we are attempting to say in Map 13 is what we have assumed to be the sewer service areas and we do not assume any sewer service area between Newberg and Dundee. Although it is possible to service the area. What we're saying is that we are not attempting to make the decision on Alternate Plan A. We are saying that sewer service can be provided, though it is slightly more costly than not providing it. If the political decision is to develop this area industrially the service can be provided.

Citizen: (Question regarding service areas shown on Map 13)

Engineer:

Yes, basically what we're saying there is that the projected service areas are large enough to contain the growth which is anticipated between now and year 2000.

Citizen:

What would it take to speed up that plan or move it ahead to say 1980 instead of 2000?

Engineer:

I would think either greater population growth or the political decision to open up that area to industrial development.

Citizen: Bill Hughes

Do I understand that these plans are good for the year 2000? That's what you're estimating?

Engineer:

What we're saying is that we have to select some time period to which to design.

Citizen: Bill Hughes

What I'm getting at. Our sewer system is only about 7 years old, 8 years old something like that and at that time I had recollections of people we had saying that was good to about 1990 or year 2000. Now in 7 years are we going to have to come back and reconsider this?

Engineer:

I can't answer that for certain but one of the reasons those predictions made 7 or 8 years ago are no longer valid is that water quality requirements on the Willamette have changed. Also, population growth has been more rapid than predicted.

Citizen: Sally Jones (?)

Along the same lines as I recall a comparison between the three plans for Newberg and those for regional treatment have indicated that the basic treatment would be the same, the capacity would be enlarged to handle the flow from the regional.

Engineer:

That's right.

Citizen: Sally Jones

O.k. That is relatively inflexible in the design of the treatment plant itself. What I'm getting at is if the population projections are way off or for one reason or another there seems to be the need for regional system. If the decision at this point is for separate treatment will that mean a whole new treatment facility will have to be built?

Engineer:

No not necessarily. In the treatment plant, a good deal of flexibility can be designed into the treatment plant. Particularly we recommend that Newberg be designed as flexible as possible. The reason for that is Newberg has 750 acres of industrial land projected and it is nearly impossible to predict the flow which may develop as a result of that industrial growth.

Citizen: (John Cach)

Table 7-6 recommended plans, you list seven alternative plans. This study takes an existing geographic area. In order to read such a page here and examine the present worth I would look at line 1 and say \$504,000 is obviously the cheapest. The reason I say that is that I assume that any of the seven plans would be the same thing except that one is a Dundee here and a Newberg there or combined plans whatever. What's really presented here is not, I don't think, seven plans which differently accomplish the same ends. Am I correct in these beliefs?

Engineer:

No, the seven plans listed at the top of Table 7-6 do not all accomplish the same end. To make that comparison you need to look at the bottom of the table where it says combined costs. There, plan DIB2 combined with plan NIIBla is compared to plan RIIBla. These two plans differently accomplish the same ends.

Citizen: (John Cach)

So then we have two plans we're comparing in reality. One of them is \$3,049,500 and one of them is \$3,120,000. Its pretty close isn't it?

Engineer:

They turn out to be very close in dollars. There are probably a couple of other things I should point out about the seven plans. That is that two of the Dundee plans depend on a process called Phase Isolation about which very little is known at this time. This will require pilot plant studies to determine if it can be successfully applied in Dundee. Should it prove not workable then the cost comparison would shift slightly in favor of a regional plan.

Citizen: (Jim Nims?)

These costs that you projected are strictly in plain costs not costs associated with 3 million gallons of maintenance costs.

Engineer:

These costs include operation & maintenance cost of the treatment plant & pump stations but do not include normal day to day maintenance costs on the collection system. They also include some capital costs for improvements to parts of the collection system.

Citizen: Sally Jones (?)

As to this applicability of Phase Isolation. How did you estimate what the cost of these studies were going to be?

Engineer:

I'll ask Mr. Palmer answer your question on that. I think we have a fair idea for part of the plan studied. We're not sure on the results of the study.

Citizen: Sally Jones

Is the cost of the study included in the cost?

Engineer?

Yes

Citizen:

What are you talking about time wise for this kind of a

Engineer: Palmer

Excuse me. Phase isolation is a fairly new process. They are using it down by Sacramento and they're also testing it over in Ontario. What it is, is essentially the same thing that is going on at Dundee now, it's a lagoon system, but they operate it differently by holding it for 2-3 weeks and releasing it. By the operation of it you can reduce your algae levels which affect your treatment considerably for a lagoon. The operation of this process depends a lot on the type of sewage coming into it, temperature, climate in that area. It has proven in a couple of installations to be very beneficial because there's essentially no power and very little labor requirements. And for testing it would probably involve pilot studies in the neighborhood of \$2,000 to \$3,000 with City labor. It's fairly simple to test. Doesn't require a lot of equipment. You could do it in a couple months.

Citizen: Sally Jones

Wet weather? dry weather? Peak of the wet season?

Engineer:

It would probably be best to test it either in the spring or early summer when the algae is working, it's growth is at its highest.

Citizen:

You can do this testing with the present facilities or would there have to be any modifications or anything?

Engineer:

We're setting up this same thing for Dayton and what we're thinking about right now is digging a little pond next to the existing lagoon at Dayton and getting a little portable pump and pumping into and holding and discharging, testing it in that way. We haven't actually gotten into it and it could lead to nothing, but we feel that the prospects are fairly good.

Citizen:

Now this is what you call Phase I or what did you call this?

Engineer:

Phase Isolation

Citizen:

Phase Isolation. What was the other, there's two of them you

mentioned. You said you wasn't sure of and then there was a third one that

Engineer:

O.k. Of the 3 Dundee plans one or the first two use phase isolation. The difference between those two is, instead of a full lagoon system, the second plan uses an aerated lagoon as part of the lagoon system.

Citizen:

That would mean another lagoon?

Engineer:

Right. But this would decrease the land area if you aerate the lagoon. You don't have to rely on the natural oxygen and you can decrease the size of the lagoons that way.

Citizen:

Now what's the third one?

Engineer:

The third one is building a small package treatment plant in front of the existing lagoons and one of the existing lagoons would be a sludge pond required for that package plant and the second one would be a polishing pond or add additional treatment to the package plant.

Citizen:

This would make EPA happy? All of the plans? Is the package plant, is that like flocculation?

Engineer:

Yes. The package plant is similar to Lafayette. It's called a contact stabilization and it's about 50' in diameter plant. You mix raw sewage in several chambers and you settle it, and send it on down to the next container.

Citizen: Sally Jones(?)

How much ahead of Dayton is this study?

Engineer:

Two months.

Citizen: Sally Jones (?)

All right. You can make use of the algae growing situation this summer to find out in the Dayton area?

Engineer:

I would say we should be able to.

Citizen: Sally Jones

That evidence will be applicable to Dundee?

Engineer:

Should be. Yes.

Citizen:

If you use this phase isolation for Dundee will you keep existing lagoons to help eliminate the problem?

Engineer:

No. What would be required with phase isolation is additional lagoons to provide secondary treatment similar to the existing lagoons and on top of that you would need an additional lagoon, phase isolation lagoon for final treatment.

Citizen:

How do you hold the algae? Pump it?

Engineer:

One thing too I haven't mentioned and I should is that phase isolation is only good to provide 90-95% removal of BOD₅ and suspended solids. DEQ and their new waste discharge permits are requiring during the summer time to be better than that. So in order to use phase isolation we have to either irrigate or have summer holding ponds. But they still are cheaper based on our cost estimates due to mostly to labor, power and equipment.

Citizen:

They are acceptable, otherwise you wouldn't have...?

Engineer:

Right. First thing in all these plans we looked at, we were held to meeting waste discharge permits. That was our first consideration.

Citizen:

When you have made your final proposal or recommendation then is that accepted by what, county commissioner or City of Dundee or the City of Newberg, or put to a vote by the people or what's the final action which will activate any one of these plans?

Engineer: (Faust)

What happens is that after we complete this report after the hearing probably by the end of this month and send it on to EPA. Before that though, we will submit our recommendations to the City Councils for their review. We expect the Council will also hold at least one public hearing at that point.

Engineer: (Palmer)

Basically, it's the City Council. They agree to it and if they want it then they have to approve the various steps to fund construction.

Mr. Gilbert:

In the final analysis the people who have the say because in order to do any of these plans they have to come to the people for that would take it to each Council if they would so wished. So each individual Council would be able to hear it and discuss it. It would be a public meeting.

Citizen:

I am still wondering about the possible changes in the areas to be covered in the future time. I wonder if it would be wise or maybe you've done it, check with the Planning Commissions of both Cities and see what they're plans for future annexation.

Engineer:

We did consult the Comprehensive Plans adopted by both Cities, neither of which anticipate growth in that area between the two Cities.

Mr. Gilbert:

What I think right now both Cities are right in the crux of adjusting this Urban Growth Boundary.

Citizen:

Wouldn't it be wise to make a decision before you do this rather than after?

Mr. Gilbert:

That's been discussed we can't figure out which comes first the chicken or the egg on this thing and that's just where we're at.

Citizen:

It appears that we have a little time before the final decision has to be made.

Citizen:

Newberg has time. I believe Dundee is somewhat stranded.

Mr. Gilbert:

Newberg is faced with a time element too. They have a planning grant which they must do in a certain amount of time. The Urban Growth Boundary is one of the first things that has to be developed. I think Dundee is in a similar situation.

Citizen: (John Cach)

This isn't a true representation of either town, but suppose that people from both towns, majority did not want that area to be enjoined to either town, always want the towns completely separate and as such tried to use some method to legally freeze that area. They would have to have a legitimate legal reason that would hold all the way to the Supreme Court. And to try and use the withholding of an inadequate sewer system as a tool to implement that desire would not be constitutionally legal.

Citizen:

What is the state law right now on the number of acres you have to have to put in a septic tank?

Jim Nims?

It depends on the percolation of the soil and it can be as high as 38 acres.

Citizen:

Is there a minimum?

Engineer: (Faust)

I don't know.

Jim Nims

In the City we try to discourage any septic tank or drainfields or any type of system. There are at least 50 areas in the City of Newberg that have sewage dumped on the ground at a specific of the year where children play. We would rather not have the area developed for drainfields or septic tanks. There are specific areas where people insist upon development; we require that they be not within a specific distance of the sewer facility that is going to be built. Makes the distance requirement. If it is outside the distance requirement for a specific facility then the county sanitary consultant with a \$95.00 fee for testing, meets the test then it can be constructed.

Mr. Gilbert:

Now do we have any more questions concerning this plan?

Citizen: (Rod Lenhart?)

Has any study been made of treating the effluent of Dundee's set of package deal treatment before we go into, has a study been made of treating it more than what we're doing now before we

Engineer: (Faust)

You mean the existing lagoon?

Engineer: (Palmer)

You mean the same system that the City has now? Yes. That was one of the preliminary options of treating the overflow from the lagoons with either a filter or screen that removes the algae. But power and your chemical costs are fairly high in that. You need to add alum and lime to coagulate the algae and get it to settle. The alum and lime are fairly prohibitive.

Citizen:

Is that compared with the package deal IV which would be run year around where this other would only be run during the winter months? Would the costs still be higher than running a plant year round other than just for 3 or 4 months?

Engineer:

Yes it was.

Citizen:

Did you say that there will be an additional hearing after the last two chapters are prepared?

Engineer:

I believe it will be in the form of your City Council meeting.

Mr. Gilbert:

I believe we are required to have one more hearing.

Engineer:

After the recommendation section is written, I would think so. At this point nobody knows what is going to be recommended.

Mr. Gilbert:

At the next hearing when the report is completed, we will get more or less a consensus from the public of what they would like.

Citizen: (John Cach)

In going through some of the conclusions as I scan through I ran across several assumptions. I can't find it as I go back. Perhaps you could recall something that was a little fuzzy. While we assume that for instance money is 6 1/8%. That's an assumption.

Engineer:

That's EPA's requirement.

Citizen:

Are there some others that you might recall?

Engineer:

Of course in a report like this we have made some assumptions. For example we made some assumptions about industrial growth in Chapter 5. We've made other about possible reuse of effluent from the treatment plant which does not appear likely.

Citizen: (John Cach)

The industrial growth. There's a number of industrial users would continue to increase effluent output in the same manner as it has. That's an assumption.

Engineer: Yes, we've assumed that industrial flows will continue to represent about 10% of the total flow to the plant.

Citizen:

Is there any attempt to say that the effluent that's coming from these even though in gallons is going up in temper tantrums on growth rate, that that effluent may or may not present different treatment problems for a sophisticated effluent.

Engineer:

Yes, we talk about that a little bit with respect to the three main industries presently served. But there's no way to predict the future industrial load with accuracy. This is the main reason we are recommending that the plant be designed as flexibly as possible.

Citizen:

Was there an attempt made to say well what we're wrong in either direction instead of growing at 10% industry picks up and grows to 20 or falls off to 5%. The growth in industry is 10% of the cost.

Engineer:

We did not formally make a sensitivity analysis. Rather, we have made our estimates on the assumption that modular units would or could be added as the need for them dictates.

Citizen:

Does that show up on this final page where the two plans appear to be identical in what they do. Will one of them has got some built in some easy add on capacities?

Engineer:

Basically, we can design it, for that design into it either regional or a separate treatment plant.

Citizen:

Have you (previously) done a joint study for the two cities? Any two cities that are presently using joint facilities?

Engineer:

Not in Oregon. The Durham Plant of USA is a regional plant.

Mr. Gilbert:

If there are no other questions, we will adjourn this meeting.

Meeting adjourned: 9:15 p.m.



Westech Engineering, Inc.

CONSULTING ENGINEERS AND PLANNERS

PRINCIPALS
C. H. STEKETEE, P.E.
H. C. FERRIS, P.E.

200 Lancaster Drive S.E.
SALEM, OREGON 97301

Telephone 585-2474

July 21, 1976

Mr. Jim Nims
City Engineer
414 E. First St.
Newberg, Oregon 97132

Dear Jim:

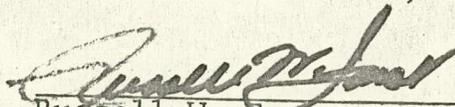
Please thank the Citizen's Advisory Committee for the comments on the draft Facilities Plan which you sent us on 7-14-76. After our telephone conversation yesterday we've gone back through the draft and will try to address the concerns expressed in the comments. So that you may report back to the Committee let me try, briefly, to answer the numbered items in your letter.

- (1) We agree that it is probably confusing to state the peak hydraulic capacity of Newberg's plant as 6 MGD. The design capacity is 2 MGD (average daily flow) but the plant is intended to handle up to 6 MGD though at this high flow treatment efficiencies would be considerably less than optimum.
- (2) Soil stability at the existing treatment plant may be a problem as your comment suggests. However, the construction of a completely new treatment plant at another site is estimated to cost \$1,723,000 more than expanding the existing plant (see Table 5-16 of the report). Thus, it appears to us that expansion of the existing plant is preferable even if that expansion will involve some costs for slope stabilization work. We will address this problem in greater detail in Chapter 8 of the final report.
- (3) Our estimate is that Dundee is presently at about 86% of capacity at their existing treatment plant. (See p. 2-3 of the report)
- (4) Based on our telephone conversation we'll describe Newberg's water system as being capable of delivering about 5 MGD and mention that not all sources are metered.

- (5) The Tangent Rd. area lies outside the study boundary but should probably be included in the future sewer service area. The inclusion or exclusion of this area would not appreciably affect our conclusions however. Therefore, unless the Committee feels strongly otherwise, we do not propose to change the boundary at this late date but we can make mention of this area in Chapter 3 as a possible future service area.
- (6) If we understand your comment correctly, the Committee feels that a case can be made for more rehabilitation work with the result that less money would need to be spent on treatment. This may turn out to be true but the answer depends heavily on the results of the Sewer System Evaluation Survey (SSES). The SSES is a much more thorough and detailed examination of the collection system and should give us much better information on the I/I sources than we presently have. Once the sources have been identified, more reliable cost estimates can be made. Should the new cost estimates turn out to be appreciably different than those shown in Table 6-4 the Cost Effective analysis would be revised. This might result in the minimum cost point shifting toward either a higher or lower I/I removal percentage. Thus, the estimates in Chapter 6 should be viewed as merely first approximations subject to change based on the SSES. There is, of course, no limit to the amount of rehabilitation work the City may undertake on its own. The only real limit is on the amount of EPA funding which will be provided. If your own analysis convinces you that more rehabilitation work is warranted and cost effective based on a different line of reasoning than is allowed under the federal guidelines then you would be free to do more but this would be entirely at local expense.
- (7) As we discussed, the reason Map 12 shows a pump station near Spring Brook is that such a station would be necessary to serve the industrial land shown on Map 6, the Newberg Land Use Plan. In this respect then, the land use plan and the sewer service policy appear to be inconsistent and a revision of either the policy or plan would appear to be advisable.

Very truly yours,

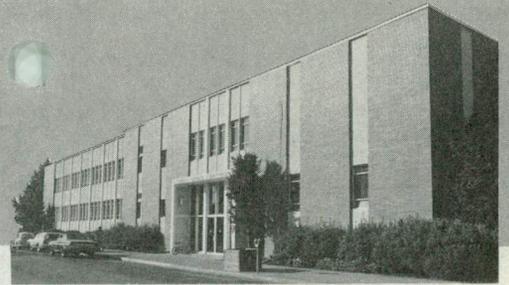
WESTECH ENGINEERING, INC.


Russell W. Faust

RWF:ps
cc: JO 418

YAMHILL COUNTY

Oregon



COUNTY PLANNING COMMISSION
Department of Planning &
Development

July 19, 1976

M. C. Gilbert
City Administrator
City of Newberg
412 East First
Newberg, OR 97132

Re: Newberg-Dundee Sewer System
Facilities Planning Report

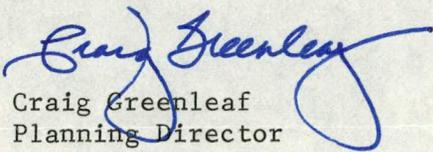
Dear Mr. Gilbert:

We were unable to comment on the Sewer Facilities Report prepared by Westech Engineering, Inc. at the public hearing July 7, 1976, as we did not receive the document until after the hearing.

We have noticed some conflicts between the base data the firm used in their report and base data compiled by Yamhill County and the City of Newberg. As a result we request that the hearings process be extended to allow a reasonable amount of time for our review and written and oral comments to be included in the discussion of alternatives.

Thank you for your consideration.

Cordially,


Craig Greenleaf
Planning Director

CG:vs

RECEIVED

JUL 21 1976

CITY OF NEWBERG, ORE.
OFFICE OF RECORDER



CITY OF NEWBERG, A BICENTENNIAL COMMUNITY

414 EAST FIRST STREET

TELEPHONE 538-9421

NEWBERG, OREGON 97132

July 14, 1976

Westech Engineering Inc.
200 Landcaster Dr. S.E.
Salem, Oregon

Subject: NEWBERG, DUNDEE SEWER SYSTEMS FACILITIES PLANNING REPORT

After having met with the Citizens Involvement Advisory Committee this evening on July 13, 1976 at 7:30 p.m. til 10:00 p.m. I would relate the following conclusions and comments for your information: (1) There seemed to be a general consensus of opinion that certain elements within the report were not factual. Following is the list in there order of importance.

(1) The primary sewage treatment facility at Newberg, Oregon is and has a capability of 2 million gallons per day of sewage effluent. Only not 6 million gallons as stated in the report.

(2) The soils in the vicinity of the Sewage Treatment Plant located at Newberg are in fact not stable. A slide condition is currently present at the Sewage Treatment Plant on the southerly side of facility. Work was stopped on the initial construction at approximately 80 percent of the excavation because of additional slides occuring in the vicinity. Since the time of the Sewage Treatment Plan Construction, there has been additional information compiled about the soils in the vicinity by the Yamhill County Planning Commission and they recommend that no construction take place in the area because of the strong possibility of slip plains occuring within this specific soil classification.

(3) The Dundee Plant as it appears from the information givin in the report has passed the rate of total capability at this point in time and there is some concern stated by the Citizens Involvement Advisory Committee that there may be inadequate information concerning this condition surrounding the Dundee facility is unclear.



CITY OF NEWBERG, A BICENTENNIAL COMMUNITY

414 EAST FIRST STREET

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NEWBERG, OREGON 97132

(4) On page 3-5 the present capacity of the sources of water for the City of Newberg is listed at 3.86 million gallons per day. There is approximately 3.8 million gallons a day available from pumping from the wells alone. It is estimated that there is approximately 6 tenths of a million gallons per day from the Odus Springs Well. The pump and well #3 produces 1260 gallons per minute. Pump Oil #1 produces 615 gallons per minute. Pump Oil #2 has a rated capacity of 900 gallons per minute. The springs estimation for water flow is 360,000 per hour from the total number of springs into the 4 million gallon resevoir.

(5) There seemed to be a general agreement that the future sewer service area on map 13 is by in large correct with the exception that the area of Tangant Road should be incompassed in that area since it is currently served by water from the City of Newberg and it is felt that water will in fact continue to be served to the area and the sewer will ultimately be needed because of the over taxation of the land use.

(6) The conclusions concerning the necessity of repair within the Newberg system were not basically agreed with. In fact there was the general consensus of opinion that in fact repairs should be made to limit the amount of infiltration into the system on the large percentage of the system that needs repairing. There seemed to be a general feeling that the cost relation of repair of the system verses the plan of enlargement of the Sewer Treatment Facilities was in fact not proven by this report. At least for the City of Newberg facilities.

(7) Map #12 - The Regional System for sanitary sewers is not in agreement generally speaking with the comprehensive plan of the east boundary and the City has taken the position in its Comprehensive Plan Report that it does not want pump stations to be constructed because of the maitenance cost involved. No Urban Boundary has been set by the Advisory Committee at this time to give you a more specific limitation.

We hope these comments will be helpful and constructive in nature to you and as more information presents itself, we will be forwarding it to you for your consideration.



CITY OF NEWBERG, A BICENTENNIAL COMMUNITY

414 EAST FIRST STREET

TELEPHONE 538-9421

NEWBERG, OREGON 97132

If I may be of any further assistance in this matter, please do not hesitate to call me.

Sincerely,

James F. Nims,
City Engineer

JFN/1a



Westech Engineering, Inc.

CONSULTING ENGINEERS AND PLANNERS

PRINCIPALS
C. H. STEKETEE, P.E.
H. C. FERRIS, P.E.

200 Lancaster Drive S.E.
SALEM, OREGON 97301

Telephone 585-2474

July 8, 1976

RECEIVED
JUL 12 1976
CITY OF NEWBERG, ORE.
OFFICE OF RECORDER

Mr. Myrland Gilbert
City of Newberg
City Hall
Newberg, Oregon 97132

Re: Newberg-Dundee Facilities Plan

Dear Mr. Gilbert:

Enclosed for your file is a Xerox copy of the sign up sheet which was passed around at last night's Public Hearing. We are now transcribing our recordings made at the hearing and will send you a copy as soon as we can; probably early next week. Meanwhile, if you will also retain your recording tape we should have a complete record of the hearing.

We are proceeding with the writing of the three remaining chapters of the report. It would be helpful if you would ask your key staff people to review the draft report and let us know if they find any errors, particularly in our descriptions of the existing collection and treatment systems. Any comments or suggestions from you, the City Council or the staff on any aspect of the draft would also be appreciated.

Once the recommendations have been drafted we plan to set up a meeting with representative staff from both Cities to review the report and discuss implementing and financing.

Very truly yours,

WESTECH ENGINEERING, INC.

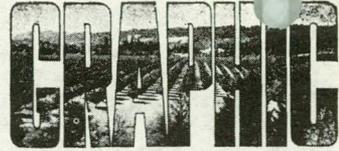
Russell W. Faust, Proj. Mgr.

RWF:ps
enc. as stated
cc: City of Dundee w/encl.

	<u>Name</u>	<u>Address</u>	<u>Position/Function</u>
1	C. Palmer	Westch Engineering Inc	-
2	Russ Faust	" " "	Proj. Mgr.
3	MYRLAND GILBERT	Newberg	City Com.
4	JOHN CACH	NEWBERG	CITIZEN'S ADV./PLNG. COMM
5	JAMES F. NIMS	RT 2, Box 135	CITY ENGINEER
6	J. A. Stevenson	Rt 3 Box 97 Newberg or	
7	Kella Stevenson	Rt 3 Box 97 Newberg	
8	W. L. Hutchinson	241 Ilafem Lane, Dundee	
9	R. R. HUTCHINSON	301 ILAFERN LANE Dundee	
10	R. H. SCHMIDT	760 NW 1 st	"
11	Al Christie	960 S.E. Elm Dundee	
12	Sally Jones	192 NW Alder, Dundee	City Council
13	James Scott	405 S.E. 7 th Dundee	City Council
14	Bob Lenhart	720 SE. 9 th Dundee	Asst. P.M.
15	Bill Hugger	910 SE ELM Dundee	City Council
16	John Greff	760 SW ALDER DR. "	" "
17	ROGER GAND	508 DAYTON AVE. NEWBERG	CITY COUNCIL
18			
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29			
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CONSOLIDATED WITH
THE NEWBERG SCRIBE

Newberg



OFFICIAL NEWSPAPER OF YAMHILL COUNTY

P.O. BOX 110

NEWBERG OREGON 97132

July 1, 1976

- City of Newberg
- c/o M. C. Gilbert
- Newberg, Oregon

INVOICE

DATE	REFERENCE	CHARGES	CREDITS	BALANCE
BALANCE FORWARDED				
6/24/76	Notice of Public Meeting (2 issues)	14.35		14.35
<i>Steven Zemel</i>				

TERMS. Net 30 days - A service charge of 1% per month will be charged on past due accounts.
This is an annual rate of 12%.

AFFIDAVIT OF PUBLICATION

STATE OF OREGON, COUNTY OF YAMHILL—ss.

**NOTICE OF PUBLIC MEETING
TO CONSIDER SEWER FACILITIES IMPROVEMENTS FOR THE CITY OF NEWBERG AND THE CITY OF DUNDEE**

NOTICE IS HEREBY GIVEN that at 7:30 p.m. on Wednesday, July 7, 1976, a public meeting will be held in the Council Chambers, City Hall, Newberg, Oregon to discuss proposed improvements to the sewer facilities of both the City of Newberg and the City of Dundee. Alternative sewage treatment facilities, economic impacts, environmental impacts, and social impacts will be discussed.

A draft of the engineering report explaining these matters is available at the City Hall, Newberg, Oregon, the City Hall, City of Dundee, and at Westech Engineering, Inc., 200 Lancaster S.E., Salem, Oregon upon request.

Any person wishing to speak for or against the above proposal may do so in person or by attorney at the public meeting. Also written objections may be filed with the City Recorder, City Hall, Newberg, Oregon.

M.C. Gilbert
City Administrator

Publish:

June 24, 1976
July 1, 1976

I, Pauline Field

being first duly sworn, depose and say that I am the publisher of the Newberg Graphic, a newspaper of general circulation, as defined by Secs. 1-509, 1-5-10, Oregon Code; printed and published at Newberg in the aforesaid county and state; that the

Notice of Public Meeting

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

for Two successive and consecutive

weeks in the following issues:

June 24, July 1, 1976

Pauline Field

Office Mgr. ~~Publisher~~

Subscribed and sworn to before me this

1 day of July, 1976

John Carl Christ
Notary Public for Oregon.

(My Commission expires 03 21 80)

NOTICE OF PUBLIC MEETING

At 7:30 p.m. on Wednesday, July 7, 1976 a public meeting will be held at the Newberg City Hall to discuss proposed improvements to the sewer systems of both Newberg and Dundee. Alternative sewage treatment facilities, economic impacts, environmental impacts, and social impacts will be discussed.

A draft of an engineering report explaining these matters is available from Westech Engineering, Inc., 200 Lancaster S.E., Salem, Oregon upon request.

City of Newberg

June 18, 1976

M. C. Gilbert, Administrator

Attached Notice Sent to the Following on June 18, 1976

1. EPA Region X
2. DEQ, Salem Office
Salem-North Coast Region
796 Winter St. N.E.
Salem, OR 97310
3. Yamhill County Planning Commission
Courthouse
McMinnville, OR 97128
4. Yamhill County Commissioners
Courthouse
McMinnville, OR
5. Oregon Wildlife Commission
1634 SW Adler
Portland, OR
6. Mrs. Leslie Nehman
Coordinator A-95
Intergovernmental Relations
240 Cottage SE
Salem, OR
7. Mid-Willamette Valley Council of Governments
400 Senator Building
220 High St. NE
Salem, Oregon 97301
8. U.S. Corps of Engineers
Planning Division
220 NW 8th
Portland, Oregon
9. OSPRIG
408 SW 2nd
Portland, Oregon
10. City of Newberg
11. City of Dundee
12. National Wildlife Federation
1412 16th NW
Washington, D.C. 20036

The following people were notified directly of the Public Meeting to discuss the Newberg-Dundee Draft Facilities Plan scheduled for Wednesday at 7:30 pm, July 7, 1976 at the Newberg City Hall:

City Council

Dundee

Jack Crabtree, Mayor
P.H. Billick
Sally Jones
Wallace Huges
John Gross
John Kollar

Newberg

Jack C. Nulsen, Jr., Mayor
Maurice Chandler
Elvern Hall
Jean Harris
Robert Hurford
James McMelly
Clarence Stouffer
Chester Windsor

*** Citizen's Involvement Advisory Committee ***

Dundee

Alvin Osborne
Carol Terjeson
Alvin Christy

Newberg

George Alexander
V. G. Anderson
Dave Bauer
Frank Cole
Elvern Hall
Paul Halstead
Ellen Scharf
Wynn Stuckee
Michael Williams
Allen Blodgett
John Cach



Westech Engineering, Inc.

CONSULTING ENGINEERS AND PLANNERS

PRINCIPALS
C. H. STEKETEE, P.E.
H. C. FERRIS, P.E.

200 Lancaster Drive S.E.
SALEM, OREGON 97301

Telephone 585-2474

June 14, 1976

Mr. M. C. Gilbert
City of Newberg
Newberg, Oregon 97132

Dear Mr. Gilbert:

Enclosed is a copy of the Notice of Public Meeting we spoke of on the telephone last Friday. We would suggest that this be issued on either 6-18-76 or 6-19-76. Federal regulations require that the Notice be published in a local newspaper once a week for 2 consecutive weeks and you should require an affidavit to that effect. The Notice should also be posted in several public places within the local areas and the places and dates certified by the City Recorder.

We will send copies of the Notice to the 12 public agencies listed on the attachment. The City Councils and Advisory Committee members should also be notified, of course.

Please call me if you have questions on this. We will try to have a draft of the report in your hands as soon as possible before July 7.

Yours truly,

WESTECH ENGINEERING, INC.

Russell W. Faust

RWF/ah

Encl: Noted

RECEIVED

JUN 15 1976

CITY OF NEWBERG, ORE.
OFFICE OF RECORDER



Westech Engineering, Inc.

CONSULTING ENGINEERS AND PLANNERS

PRINCIPALS
C. H. STEKETEE, P.E.
H. C. FERRIS, P.E.

200 Lancaster Drive S.E.
SALEM, OREGON 97301

Telephone 585-2474

May 14, 1976

RECEIVED
MAY 17 1976
CITY OF NEWBERG, ORE.
OFFICE OF RECORDER

Mr. M. C. Gilbert
City of Newberg
4 East First St.
Newberg, Oregon 97132

Dear Mr. Gilbert:

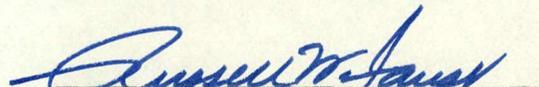
From the discussion which took place at the Urban Growth Boundary Committee meeting Tuesday night it appeared that some input from us might be helpful. Enclosed are a dozen copies of a map of the study area which also identifies areas to which sanitary sewer service can economically be provided. Also enclosed is a copy of the population projections we will be using in the Facilities Plan. These two items should provide some of the information the Committee will need to consider in arriving at a recommendation.

The Facility Plan will provide for the efficient and orderly development of sewer service to the area to be urbanized but sewer service alone is not the only factor to consider. The question of whether or not a regional plant is the economical solution will have only a minor effect on the attainment of the 14 LCDC Goals. Thus, the sewer service area shown on the maps can be used to determine where urbanization is possible but whether such development is desirable is the question which the Committee will have to answer in the light of the other LCDC goals and local desires.

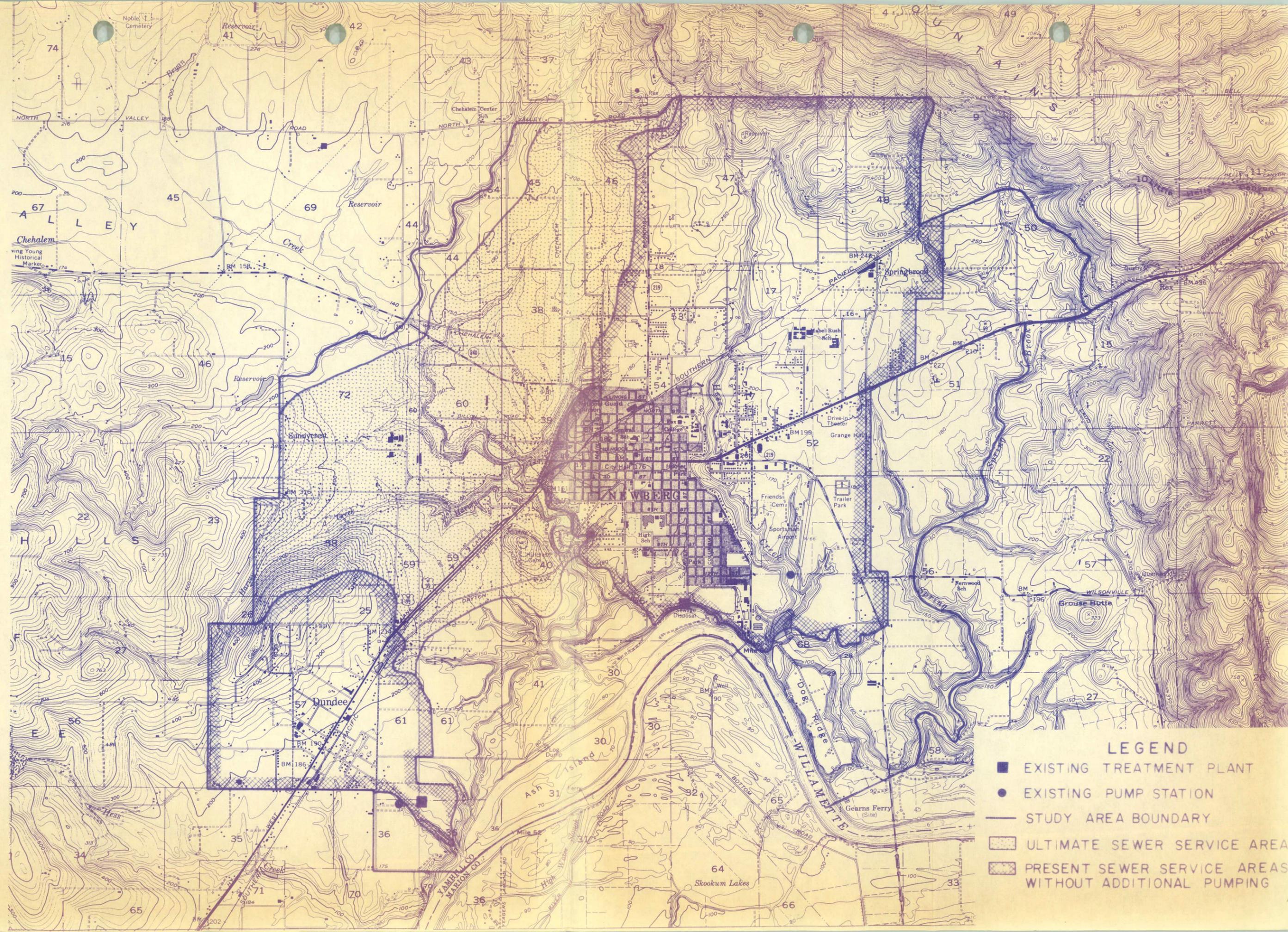
If possible, we would appreciate a copy of the minutes or summary of Tuesday's meeting.

Very truly yours,

WESTECH ENGINEERING, INC.


Russell W. Faust

RWF:ps
CC: City of Dundee
Encl. as stated



LEGEND

- EXISTING TREATMENT PLANT
- EXISTING PUMP STATION
- STUDY AREA BOUNDARY
- ▨ ULTIMATE SEWER SERVICE AREA
- ▩ PRESENT SEWER SERVICE AREAS WITHOUT ADDITIONAL PUMPING

WE**Westech Engineering, Inc.**

CONSULTING ENGINEERS AND PLANNERS

200 Lancaster Drive S.E.
SALEM, OREGON 97301

Telephone 585-2474

PRINCIPALS
C. H. SIEKETE, P.E.
H. G. FERRIS, P.E.

RECEIVED

MAY 7 1976

May 5, 1976

CITY OF NEWBERG, ORE.
OFFICE OF RECORDERMr. M. C. Gilbert
City of Newberg
4 East First St.
Newberg, Oregon 97132Re: Newberg-Dundee Facility Plan Job Order 418

Dear Mr. Gilbert:

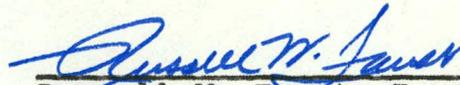
We have completed a draft of the Newberg-Dundee Sewer System Facilities Plan through Chapter 5, Sewage Treatment and Disposal Systems. The enclosed Table of Contents and project schedule indicate that we are about on schedule. This is about the midway point in the project.

Also enclosed is a bill for our services through April 30, 1976 and three copies of a request to EPA for reimbursement. Please review these and if you approve, ask Mayor Nulsen to sign two copies of the request and send them to:

Environmental Protection Agency
1234 S.W. Morrison
Portland, Oregon 97205
Attn: Mr. Allen S. Goodman

Very truly yours,

WESTECH ENGINEERING, INC.



Russell W. Faust, Proj. Mgr.

RWF:ps
Encl. as stated
CC: City of Dundee

\$10,294.90

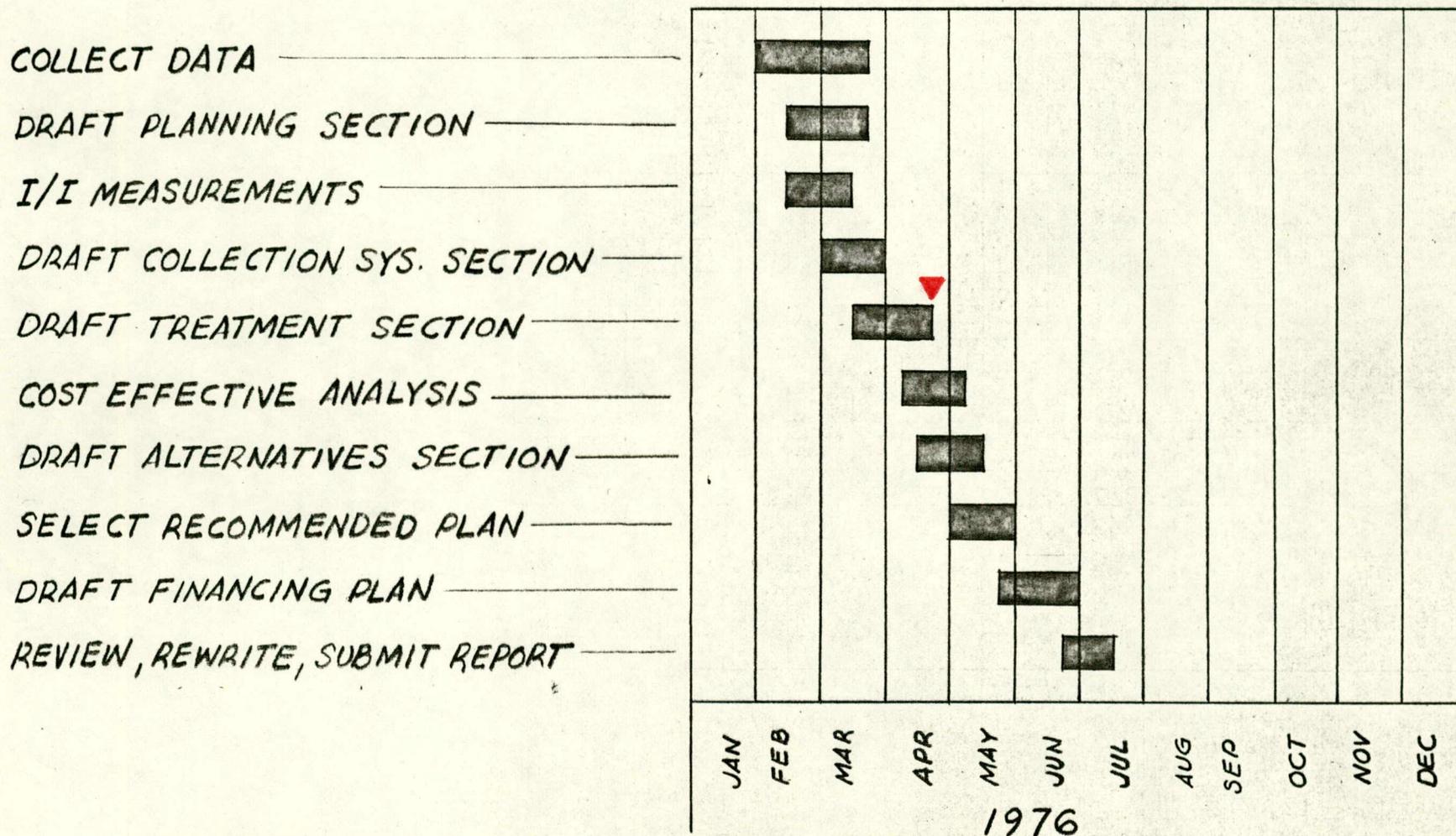
NEWBERG-DUNDEE

SEWER SYSTEM FACILITIES PLANNING REPORT

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D. Pilot Plant Studies	

NEWBERG - DUNDEE FACILITIES PLAN PROJECT SCHEDULE



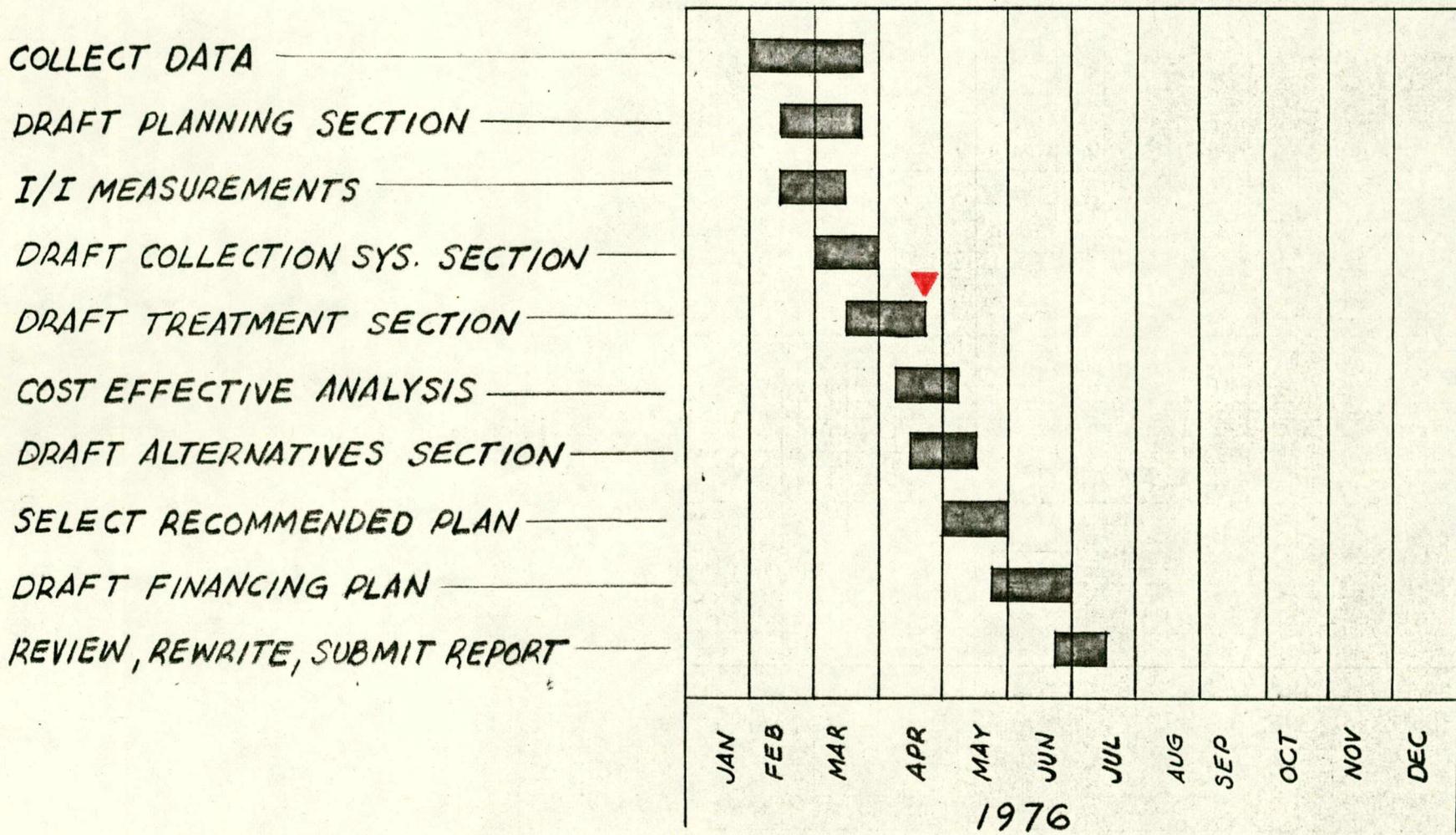
NEWBERG-DUNDEE

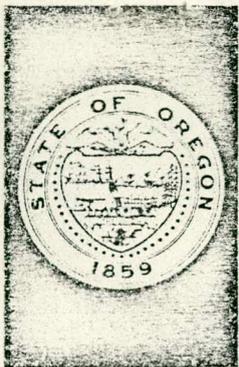
SEWER SYSTEM FACILITIES PLANNING REPORT

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NEWBERG - DUNDEE FACILITIES PLAN PROJECT SCHEDULE





DEPARTMENT OF ENVIRONMENTAL QUALITY

1234 S.W. MORRISON STREET • PORTLAND, ORE. 97205 • Telephone (503) 229- 5310

ROBERT W. STRAUB
GOVERNOR

April 19, 1976

Russell W. Faust, P.E.
Westech Engineering, Inc.
200 Lancaster Drive S.E.
Salem, Oregon 97301

RE: WQ Newberg-Dundee Regional Sewerage
Study, Yamhill County

Dear Mr. Faust:

This is in response to your letter dated March 19, 1976 regarding your firm's efforts to conduct a Step I Facilities Plan for the cities of Newberg and Dundee in Yamhill County. Your letter was addressed to our Salem-North Coast Regional Office and was subsequently referred to this office for response.

In regard to your questions concerning the needs of each city and the effluent limitations required for the Willamette River, the following information is provided.

1. Any new or upgraded facilities for either the City of Dundee or the City of Newberg or both should be designed to provide a high quality secondary effluent (10/10) during the dry weather flow period (June 1 to October 31) and conventional secondary treatment (30/30) during wet weather flows (November 1 to May 31).
2. In the event Newberg and Dundee consolidate their sewerage utilities and treat the wastes at a single plant, the BOD and suspended solids pound limitations on that plant will be based on the 20-year projected flows from both communities at a 10/10 level of treatment.
3. In addition to the effluent guidelines set forth above, the following items for the City of Newberg should also be addressed as part of your facilities planning study:



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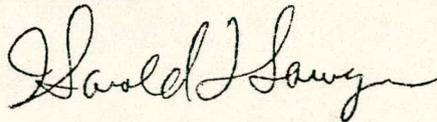
Russell W. Faust, P.E.
April 19, 1976
Page 2

- a. An improved sludge collection and disposal system;
- b. An analysis of the sewage collection system with respect to infiltration/inflow, with a realistic rehabilitation program;
- c. A method of solids removal from both chlorine contact chambers;
- d. Installation of a skimming system for the final clarifiers;
- e. Impact of industrial users on the sewage treatment plant.

It is hoped that the information provided herein is sufficient to allow you to proceed with your facility planning efforts. If there are any questions or if we can be of any further assistance, please contact Patrick D. Curran of this office at 229-5310 or Steve Downs of our Salem Regional Office at 378-8240.

Sincerely,

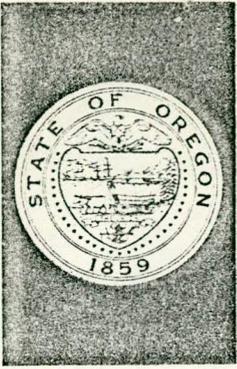
LOREN KRAMER
Director



Harold L. Sawyer
Administrator -
Water Quality Division

SCD/PDC:ak

cc: Russel H. Fetrow - Salem-North Coast Regional Office, DEQ
City of Newberg
City of Dundee
Curt Smelser - Mid-willamette Valley Council of Governments



**DEPARTMENT OF
ENVIRONMENTAL QUALITY**

Russell H. Fetrow, Jr., P.E.
Manager
Salem-North Coast Region
796 Winter Street N.E.
Salem, Oregon 97310

1234 S.W. MORRISON STREET • PORTLAND, ORE. 97205 • Telephone (503) 229- 5696
Salem 378-8240

ROBERT W. STRAUB
GOVERNOR

April 16, 1976

Russell W. Faust, P.E.
Westech Engineering Inc.
200 Lancaster Drive S.E.
Salem, Oregon 97301

RE: WQ - Newberg-Dundee Regional
Sewerage Study, Yamhill County
Salem-North Coast Region

Dear Mr. Faust:

This is in response to your letter dated April 7, 1976 and will confirm our telephone conversation of April 13 regarding the study area boundary your firm proposes to use in preparing Facility Plans for the Newberg-Dundee area.

The proposed study area boundary has been reviewed by staff of this Department and our initial reaction is that it encompasses an inordinately large area. Our specific concern centers on the areas to the north, northwest, east, and southeast which are predominately agricultural in nature. In fact, the Yamhill County Comprehensive Plan of 1974 has identified the predominant portions of these areas for agriculture and forestry uses of 10 acres or more.

As we discussed, the study area boundary should most logically conform to the urban growth boundary for the respective cities, with the inclusion of the area in between the cities of Newberg and Dundee. It is recognized, however, that the urban growth boundaries for these cities have not been finalized and are not available for your use. Consequently, it is recommended that you work closely with each city's respective planning commission, as well as representatives of the Yamhill County Planning Department in an effort to identify a realistic study area boundary which can be anticipated to conform to the respective urban growth boundaries as presently envisioned.

Your efforts to expedite the facility plans for Newberg



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Mr. Russell W. Faust, P.E.

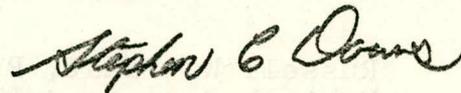
April 16, 1976

Page 2

and Dundee are appreciated. If there are any questions or if we can be of any further assistance please feel free to contact this office.

Sincerely,

LOREN KRAMER
Director



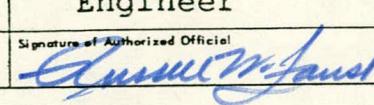
Stephen C. Downs, P.E.
Regional Engineer

SCD/taa

Attachment (1)

1. Letter from Russell W. Faust dated 4/7/76 w/o att

cc: PD Curran (WE Gildow), Water Quality Division w/att
City of Dundee w/att
City of Newberg w/att
Yamhill County Planning Department w/att
Yamhill County Health Department w/att

OUTLAY REPORT AND REQUEST FOR REIMBURSEMENT FOR CONSTRUCTION PROGRAMS		1. Federal Agency and Organization Element EPA Region X	2. Federal Grant No. or Other Identifying Number C-410494-01-0	
3. Type of Request <input checked="" type="checkbox"/> Final <input type="checkbox"/> Partial	4. Basis of Request <input type="checkbox"/> Cash <input checked="" type="checkbox"/> Accrued Expenditure	5. Partial Payment Request No. 2		
6. Employer Identification No.	7. Grantee Account No. or Identifying No.	8. Period Covered (Month, Day, Year) FROM 5 1 76 TO 8 31 76		
9. Name of Grantee Organization City of Newberg <small>STREET NO. AND NAME</small> 414 East First St. <small>CITY STATE ZIP CODE</small> Newberg, Oregon 97132		10. Name of Payee (If different than Item 9) <small>STREET NO. AND NAME</small> <small>CITY STATE ZIP CODE</small>		
11. STATUS OF FUNDS				
CLASSIFICATION	PROGRAMS — FUNCTIONS — ACTIVITIES			
	(1)	(2)	(3)	TOTAL
a. Administrative expense	\$	\$	\$	\$
b. Preliminary expense				
c. Land, structures, right-of-way				
d. Architectural engineering basic fees	24,250.00			
e. Other architectural engineering fees				
f. Project inspection fees				
g. Land development				
h. Relocation expense				
i. Relocation payments to indiv. and businesses				
j. Demolition and removal				
k. Construction and project improvement cost				
l. Equipment				
m. Miscellaneous cost				
n. Total cumulative to date (Sum of Lines a-m)	24,250.00			
o. Deductions for program income				
p. Net cumulative to date (Line n minus Line o)	24,250.00			
q. Federal share to date	18,187.50			
r. Rehabilitation grants (100% reimbursement)				
s. Total Federal share (Sum of Lines q and r)	18,187.50			
t. Federal payments previously requested	7721.17			
u. Amount requested for reimbursement	10,466.33			
v. Percent of project completed	95%			
12. CERTIFICATION - I certify that to the best of my knowledge and belief the billed costs of disbursements are in accordance with the terms of the project and that the reimbursement represents the Federal share due which has not been previously requested and that an inspection has been performed and all work is in accordance with the terms of the grant.				
a. GRANTEE		b. STATE, LOCAL, OR FEDERAL GOVERNMENT REPRESENTATIVE		
Name City of Newberg		Name Westech Engineering, Inc.		
Title Mayor	Telephone No.	Title Engineer	Telephone No. 585-2474	
Signature of Authorized Official 	Date 9-10-76	Signature of Authorized Official 	Date 9-7-76	

Original

OUTLAY REPORT AND REQUEST FOR REIMBURSEMENT FOR CONSTRUCTION PROGRAMS

1. Federal Agency and Organizational Element: **EPA-Region X** 2. Federal Grant No. or Other Identifying Number: **C-410494-01-0**

3. Type of Request: Final Partial 4. Basis of Request: Cash Accrued Expenditures

5. Partial Payment Request No.: **1**

6. Employer Identification No. 7. Grantee Account No. or Identifying No. 8. Period Covered (Month, Day, Year): FROM **2 | 1 | 76** TO **4 | 30 | 76**

9. Name of Grantee Organization: **City of Newberg**
 STREET NO. AND NAME: **4 East First St.**
 CITY, STATE, ZIP CODE: **Newberg, Oregon 97132**

10. Name of Payee (if different than item 9):
 STREET NO. AND NAME:
 CITY, STATE, ZIP CODE:

80 5/38

11. STATUS OF FUNDS

CLASSIFICATION	PROGRAMS — FUNCTIONS — ACTIVITIES			TOTAL
	(1)	(2)	(3)	
a. Administrative expense	\$ -	\$ -	\$ -	\$ -
b. Preliminary expense	-	-	-	-
c. Land, structures, right-of-way	-	-	-	-
d. Architectural engineering basic fees	10,294.90	-	-	10,295
e. Other architectural engineering fees	-	-	-	-
f. Project inspection fees	-	-	-	-
g. Land development	-	-	-	-
h. Relocation expense	-	-	-	-
i. Relocation payments to indiv. and businesses	-	-	-	-
j. Demolition and removal	-	-	-	-
k. Construction and project improvement cost	-	-	-	-
l. Equipment	-	-	-	-
m. Miscellaneous cost	-	-	-	-
n. Total cumulative to date (Sum of Lines a-m)	10,294.90	-	-	10,295
o. Deductions for program income	-	-	-	-
p. Net cumulative to date (Line n minus Line o)	10,294.90	-	-	10,295
q. Federal share to date	7,721.17	-	-	-
r. Rehabilitation grants (100% reimbursement)	-	-	-	-
s. Total Federal share (Sum of Lines q and r)	7,721.17	-	-	7,721
t. Federal payments previously requested	-	-	-	-
u. Amount requested for reimbursement	\$ 7,721.17	\$ -	\$ -	\$ 7,721
v. Percent of project completed	% 42	% -	% -	% 42%

pay \$7,721 JUN 11 1976

12. CERTIFICATION - I certify that to the best of my knowledge and belief the billed costs of disbursements are in accordance with the terms of the project and that the reimbursement represents the Federal share due which has not been previously requested and that an inspection has been performed and all work is in accordance with the terms of the grant.

a. GRANTEE: Name **City of Newberg**, Title **Mayor**

b. STATE, LOCAL, OR FEDERAL GOVERNMENT REPRESENTATIVE: Name **Westech Engineering, Inc.**, Title **Engineer**, Telephone No. **585-2474**

Signature of Authorized Official: *[Signature]* Date: **5-4-76**

APPROPRIATION: **68X01037**
ACCOUNT NUMBER: **63641038V3**
OBJECT: **4111**
COMMITMENT NUMBER: **C70416**

APPROVED FOR REIMBURSEMENT BY THE ASSISTANT CHIEF OF GRANTS ADMINISTRATION: *[Signature]* DATE: **6-15-76**

RECOMMENDED FOR PAYMENT: *[Signature]* DATE: **5-13-76**

RECEIVED

MAY 28 1976

Original
file copy

OUTLAY REPORT AND REQUEST FOR REIMBURSEMENT FOR CONSTRUCTION PROGRAMS		1. Federal Agency and Organization Element EPA-Region X	2. Federal Grant No. or Other Identifying Number C-410494-01-0
3. Type of Request <input checked="" type="checkbox"/> Final <input type="checkbox"/> Partial	4. Basis of Request <input type="checkbox"/> Cash <input checked="" type="checkbox"/> Accrued Expenditure	5. Partial Payment Request No. 1	
6. Employer Identification No.	7. Grantee Account No. or Identifying No.	8. Period Covered (Month, Day, Year) FROM 2 1 76 TO 4 30 76	
9. Name of Grantee Organization City of Newberg STREET NO. AND NAME 4 East First St. CITY STATE ZIP CODE Newberg, Oregon 97132		10. Name of Payee (if different than Item 9) STREET NO. AND NAME CITY STATE ZIP CODE	

11. STATUS OF FUNDS

CLASSIFICATION	PROGRAMS — FUNCTIONS — ACTIVITIES			
	(1)	(2)	(3)	TOTAL
a. Administrative expense	\$ —	\$	\$	\$
b. Preliminary expense	—			
c. Land, structures, right-of-way	—			
d. Architectural engineering basic fees	10,294.90			
e. Other architectural engineering fees	—			
f. Project inspection fees	—			
g. Land development	—			
h. Relocation expense	—			
i. Relocation payments to indiv. and businesses	—			
j. Demolition and removal	—			
k. Construction and project improvement cost	—			
l. Equipment	—			
m. Miscellaneous cost	—			
n. Total cumulative to date (Sum of Lines a-m)	10,294.90			
o. Deductions for program income	—			
p. Net cumulative to date (Line n minus Line o)	10,294.90			
q. Federal share to date	7,721.17			
r. Rehabilitation grants (100% reimbursement)	—			
s. Total Federal share (Sum of Lines q and r)	7,721.17			
t. Federal payments previously requested	—			
u. Amount requested for reimbursement	\$ 7,721.17		\$	\$
v. Percent of project completed	% 42	%	%	%

Check # 617
Sewer Fund
5-10-75
\$10,294.90

12. CERTIFICATION - I certify that to the best of my knowledge and belief the billed costs of disbursements are in accordance with the terms of the project and that the reimbursement represents the Federal share due which has not been previously requested and that an inspection has been performed and all work is in accordance with the terms of the grant.

a. GRANTEE		b. STATE, LOCAL, OR FEDERAL GOVERNMENT REPRESENTATIVE	
Name City of Newberg		Name Westech Engineering, Inc.	
Title Mayor	Telephone No.	Title Engineer	Telephone No. 585-2474
Signature of Authorized Official <i>[Signature]</i>	Date	Signature of Authorized Official <i>[Signature]</i>	Date 5-4-76



Westech Engineering, Inc.

CONSULTING ENGINEERS AND PLANNERS

PRINCIPALS
C. H. STEKETEE, P.E.
H. C. FERRIS, P.E.

200 Lancaster Drive S.E.
SALEM, OREGON 97301

Telephone 585-2474

May 24, 1976

Mrs. Ruby Penkert
Environmental Protection Agency
Oregon Operations
1234 SW Morrison St.
Portland, Oregon 97205

Re: Newberg-Dundee Facilities Plan JO 418
Fed. Grant C-410494-01-0

Dear Mrs. Penkert:

As requested, following is a breakdown of our billing statement of May 5, 1976.

Direct Labor Costs	\$10,123.40
Travel expenses	141.00
Printing	<u>30.50</u>

Total \$10,294.90

Very truly yours,

WESTECH ENGINEERING, INC.

Russell W. Faust
Project Manager

RWF:ps
CC: City of Newberg ✓
City of Dundee

U.S. ENVIRONMENTAL PROTECTION AGENCY

REGION X

1200 SIXTH AVENUE
SEATTLE, WASHINGTON 98101



JAN 29 1976

REPLY TO
ATTN OF:

M/S 421

Re: C-410494-01-0
City of Newberg

Honorable Jack C. Nulsen, Jr.
Mayor, City of Newberg
414 East First Street
Newberg, Oregon 97132

Dear Mayor Nulsen:

It is my pleasure to advise you that your application for a grant to assist in the project as described below has been certified for priority by the Oregon Department of Environmental Quality and approved by the Environmental Protection Agency. The grant amount is \$18,188 which represents 75 percent of the estimated eligible cost of the project. The facilities planning for Newberg-Dundee regional area to provide for best practicable waste treatment technology is eligible for grant participation.

In reviewing your Step 1 application for Federal assistance and the supporting material submitted therewith, we note that your contract for professional services includes an hourly fee schedule as the basis for compensation of man-power costs and that no specific mention is made of the factors which constitute such rates. In view of the Agency policy which precludes approval of contracts for technical services based on salary multipliers that include profit and since there appears to be no provisions other than the hourly fee schedule for the profit associated with the work to be performed by your consultant we conclude that profit, must, in fact, be included within the rates established. Therefore, we ask that your engineer revise the fee schedule so that profit is excluded and identified separately as a fixed fee amount. Grant payments will be withheld until the project engineer has approved the revised engineering agreement which is to be submitted within 60 days.

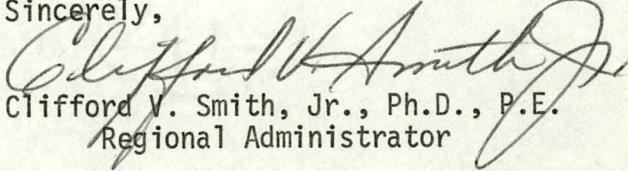
Please review the enclosed grant agreement thoroughly, particularly the conditions set forth in Part IV. If you find it satisfactory, sign, date and return by certified mail an original and one copy to this office (Attn: Grants Administration Branch) within three weeks of receipt. The agreement must be signed by the authorized representative.

Partial grant payments will be made approximately in accordance with the schedule for payments indicated in your grant agreement. Requests for payments should be submitted on the enclosed OMB Form 80-R0181 to this office.

This grant is subject to the applicable terms, conditions and procedures of the Environmental Protection Agency's grant regulations (40 CFR Chapter 1, Subchapter B). A copy of a portion of the regulations entitled "Construction Grants for Waste Treatment Works," as published in the Federal Register on February 11, 1974 is enclosed. Your special attention is directed to Section 35.935 entitled "Grant Conditions," and to the specific conditions included in the grant agreement.

The EPA Project Engineer will be Mr. Alan S. Goodman. If you have any questions on this project, he can be reached at (503) 221-3250.

Sincerely,


Clifford V. Smith, Jr., Ph.D., P.E.
Regional Administrator

Enclosure
cc: DEQ
Engineer



DEPARTMENT OF
ENVIRONMENTAL QUALITY

1234 S.W. MORRISON STREET • PORTLAND, ORE. 97205 • Telephone (503) 229-5696

ROBERT W. STRAUB
GOVERNOR

December 22, 1975

U. S. Environmental Protection Agency
Oregon Operations Office
1234 S. W. Morrison
Portland, Oregon 97205

RE: WQ Newberg/Dundee (C-410494, Step I)

Gentlemen:

The Step I grant application for the City of Newberg and the state priority certificate are forwarded for appropriate action. The priority certificate signifies a recognized need for the project and DEQ assurance that the application is complete according to state interpretation of EPA regulations. It is requested that you expedite the award of a federal construction grant.

If you have any questions, please contact this Department directly.

Sincerely,

LOREN KRAMER
Director

Harold L. Sawyer
Assistant Director
Water Quality Division

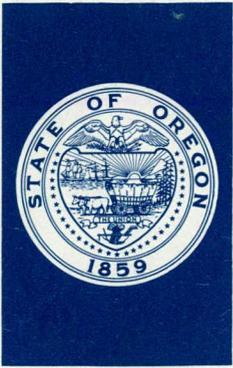
THB:rgn

enclosures

cc: DEQ Regional Office
City of Newberg
City of Dundee
Westech Engineering, Inc.



Contains
Recycled
Materials



DEPARTMENT OF ENVIRONMENTAL QUALITY

1234 S.W. MORRISON STREET • PORTLAND, ORE. 97205 • Telephone (503) 229- 5696

ROBERT W. STRAUB
GOVERNOR

September 5, 1975

Mayor & City Council
City of Newberg
414 East First Street
Newberg, Oregon 97132

RE: WQ - Newberg-Dundee Regional
C - 410494 & C - 410495, Step I

Dear Mayor & City Council:

This is in reference to your impending regional sewerage study with the City of Dundee. The Department appreciates your initiative in trying to obtain a loan from the State to finance the study. Unfortunately, we were not able to process your request for a loan within the time limitations of the State planning assistance program. Federal grant funding has been earmarked for the preparation of the Newberg-Dundee regional sewerage plan and is available. An Environmental Protection Agency Wastewater Treatment Works Construction Grant will finance 75% of the cost involved in preparing a Facilities Plan.

A Facilities Plan (Step I) grant can be awarded thirty days after the following information is provided:

1. Completed EPA application and compliance forms;
2. An approvable plan of study for the preparation of the Facilities Plan, including a map of the planning area and a task schedule breakdown with man-day work estimates for each task, similar to the enclosed sample;
3. Comments from state and local A-95 clearinghouses;
4. A city resolution authorizing an official to sign all grant-related documents;
5. A copy of your agreement with a consulting engineer to have the Facilities Plan prepared, including the enclosed Access to Records clause;



Contains
Recycled
Materials

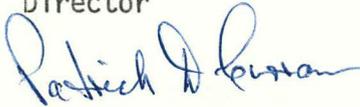
Mayor & City Council
September 5, 1975
Page 2

6. A copy of your agreement with Dundee which identifies Newberg as the Step I grant applicant.

A pre-application conference to clarify EPA requirements should be arranged shortly by calling Mr. Blankenship at 229-5308.

Sincerely,

LOREN KRAMER
Director



Patrick D. Curran, Administrator
Sewerage Works Construction Division
Water Quality Program

THB:rgn

enclosures

cc: City of Dundee
U. S. Environmental Protection Agency (Portland)
Salem-North Coast Regional Office, DEQ
Westech Engineering, Inc.

PLAN OF STUDY
CITY OF NOTION

A. Study Area

The City of Notion, Oregon is an incorporated city within Central Washington County of the State of Oregon. The City lies adjacent to Mud Creek, a tributary to the Tualatin River. The City of Notion is about sixteen miles from the City of Hillsboro, a rapidly growing city (map attached).

The City of Notion, recognizing the limited growth potential related to poor soil conditions for subsurface sewage disposal, constructed a sewage collection treatment facility in 1939.

B. 1970 Population

Since construction of sewage facilities, the City has grown to a population of 1600. In the area immediately adjacent to the City, tight soils and high ground water levels adversely affect subsurface disposal systems. About 200 homes (600 people) have requested annexation to the City of Notion.

C. Purpose of Grant Application

The NPDES permit requires the City to upgrade its facilities to meet current waste discharge and water quality standards (copy attached). The Water Quality Standards for Mud Creek are more stringent than they were in 1939. The basic primary treatment facility (attached schematic outline of existing units) is inadequate to meet these new standards or to accommodate increased population needs.

The City does not have sufficient funds to undertake the project without financial assistance. The primary objective and scope of facility planning is to provide for a cost effective, environmentally sound and implementable waste water treatment facility to serve the City plus the adjacent area (see map), which will meet current waste discharge and water quality standards. The project will consider available alternatives both from the technical and environmental soundness of the project.

D. Responsible Planning Organization

The Washington County Comprehensive Plan indicates the City of Notion is planned to provide their own sewage treatment facilities.

E. Preparation of Plan

The City of Notion, a legal and responsible Oregon City, plans to accomplish the facility planning through the retention of the consulting engineering firm of World Engineers, Inc. (attach engineering agreement, if available).

SAMPLE

PLAN OF STUDY
CITY OF NOTION

F. Available Data

The City has maintained good sewage treatment plant records for about ten years. This information will be available for the engineers' evaluation.

G. Infiltration/Inflow

A review of the plant records, indicating high flow, coupled with the high rainfall in the area and the age of sewer pipes, would lead the City to expect excessive infiltration/inflow to exist.

H. Task Schedule and Costs

The major tasks required for preparation of the facility plan are indicated on the attached bar graph. This graph indicates the number of Man-days of effort and estimated cost for each task and a projected time schedule for completion, in months. Study will be completed in eight months, at an estimated cost of \$20,000, plus cost of sewer system evaluation for I/I, if needed.

SAMPLE
 FACILITY PLANNING - CITY OF NOTION
 Task Functions

	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
A. <u>Preliminary Report & Screening of Alternatives</u>								
Review current records, plans, etc.	5 MD \$920							
Assessing & evaluating current situation	10 MD \$1840							
I/I Analysis of existing system				20 MD \$3680				
Population projection, land use, flows, etc.	6 MD \$1100							
Develop & evaluate general alternatives (screening)			10 MD \$1840					
B. <u>Cost Effective Analysis & Environmental Assessment</u>								
Cost effective analysis of major alternatives				15 MD \$2760				
Environmental effects of alternatives				5 MD \$920				
Institutional feasibility			5 MD \$920					
C. <u>Public Participation & Public Hearing on Facility Plan</u>								
Public Hearings & Records							5 MD \$920	
Evaluation of Comments from Hearings							2 MD \$270	
D. Selection of Final Alternatives & Revising Report								6 MD \$1100
E. Predesign Report, Financial & Implementation								20 MD \$3680
TOTAL					109 MD \$20,050			

ACCESS TO RECORDS CLAUSE

"1. The (Contractor/Consulting Engineer) shall maintain books, records, documents and other evidence directly pertinent to performance on EPA grant work under this agreement in accordance with accepted professional practice, appropriate accounting procedures and practices and 40 CFR 30.605, 30.805, and 35.935-7. The United States Environmental Protection Agency, the Comptroller General of the United States, the United States Department of Labor, (the grantee-owner), and (the state water pollution control agency) or any of their duly authorized representatives shall have access to such books, records, documents and other evidence for the purpose of inspection, audit and copying. The (Contractor/Consulting Engineer) will provide proper facilities for such access and inspection.

2. The (Contractor/Consulting Engineer) agrees to include in all his contracts and all tier subcontracts directly related to project performance which are in excess of \$10,000 the five items of this clause.

3. Audits conducted pursuant to this provision shall be in accordance with generally accepted auditing standards and formally established audit regulations, procedures and guidelines of the reviewing or auditing agency(ies).

4. The (Contractor/Consulting Engineer) agrees to the disclosure of all information and reports resulting from access to records pursuant to paragraphs 1 and 2, above, to any of the agencies referred to in paragraph 1, above. In those cases where the audit concerns the (Contractor/Consulting Engineer), the auditing agency will afford the (Contractor/Consulting Engineer) an opportunity for an audit exit conference, and an opportunity to comment on the pertinent portions of the draft audit report. The (Contractor/Consulting Engineer) will be provided copies of the formal draft audit report at the time of its transmission. Such transmission will include the written comments, if any, of the audited firm.

5. Records under paragraphs 1 and 2 above shall be maintained and made available during performance on EPA grant work under this agreement and until three years from date of final EPA grant payment for the project. In addition, those records which relate to any "Dispute" appeal under an EPA agreement, or litigation, or the settlement of claims arising out of such performance, or costs or items to which an audit exception has been taken, shall be maintained and made available until three years after the date of resolution of such appeal, litigation, claim or exception."

RESOLUTION # 11

A resolution authorizing the Mayor to sign all applications and documents relating to sewage work planning and construction grants.

The City Council of the City of Notion, in regular session, does hereby resolve:

That the Mayor, in his capacity as such officer, is authorized to sign all applications or documents required for or related to sewage works project grants or other financial assistance.

Passed August 1, 1975

(s) City Council



Westech Engineering, Inc.

CONSULTING ENGINEERS AND PLANNERS

PRINCIPALS
C. H. STEKETEE, P.E.
H. C. FERRIS, P.E.

200 Lancaster Drive S.E.
SALEM, OREGON 97301

Telephone 585-2474

April 7, 1976

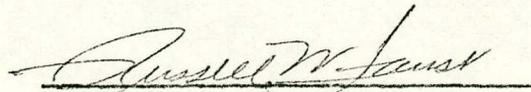
Mr. Russ Fetrow
Department of Environmental Quality
796 Winter St. N.E.
Salem, Oregon 97310

Dear Mr. Fetrow:

The enclosed map shows the study area boundary we propose to use in preparing Facility Plans for the Newberg-Dundee area. We would appreciate it if you would review and comment upon the study area boundary as shown on the map, and return your comments to us with any suggested changes. We are hoping to complete a partial draft of the Facility Planning Report by the end of April, 1976. Therefore if we could have your comments by April 15, we could incorporate them in that partial draft.

Very truly yours,

WESTECH ENGINEERING, INC.


Russell W. Faust, P.E.

RWF: kr

Encl: noted

State of Oregon
DEPARTMENT OF ENVIRONMENTAL QUALITY
RECEIVED
APR 9 1976



Westech Engineering, Inc.

CONSULTING ENGINEERS AND PLANNERS

PRINCIPALS
C. H. STEKETEE, P.E.
H. C. FERRIS, P.E.

200 Lancaster Drive S.E.
SALEM, OREGON 97301

Telephone 585-2474

April 6, 1976



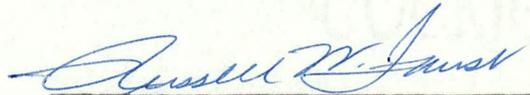
Mr. M. C. Gilbert
City of Newberg
414 East First Street
Newberg, Oregon 97132

Dear Mr. Gilbert:

The enclosed map shows the study area boundary we propose to use in preparing Facility Plans for the Newberg-Dundee area. We would appreciate it if you would review and comment upon the study area boundary as shown on the map, and return your comments to us with any suggested changes. We are hoping to complete a partial draft of the Facility Planning Report by the end of April, 1976. Therefore if we could have your comments by April 15, we could incorporate them in that partial draft.

Very truly yours,

WESTECH ENGINEERING, INC.


Russell W. Faust, P.E.

RWF: kr

Encl: noted



Westech Engineering, Inc.

CONSULTING ENGINEERS AND PLANNERS

PRINCIPALS
C. H. STEKETEE, P.E.
H. C. FERRIS, P.E.

200 Lancaster Drive S.E.
SALEM, OREGON 97301

Telephone 585-2474

April 1, 1976

Mr. Craig Green
Yamhill County
Dept. of Planning and Development
McMinnville, Oregon 97128
Re: Newberg-Dundee Facility Plan, J.O. 418

Dear Mr. Green:

Enclosed is a copy of our preliminary population projections for Newberg and Dundee. We would appreciate your review of these and any comment you'd care to make.

Yours truly,

WESTECH ENGINEERING, INC.

Russell W. Faust, P.E.

RWF: kr

Encl: Noted

CC: City of Dundee
City of Newberg ✓

RECEIVED

APR 5 1976

CITY OF NEWBERG, ORE.
OFFICE OF RECORDER



Westech Engineering, Inc.

CONSULTING ENGINEERS AND PLANNERS

PRINCIPALS

C. H. STEKETEE, P.E.
H. C. FERRIS, P.E.

200 Lancaster Drive S.E.
SALEM, OREGON 97301

Telephone 585-2474

RECEIVED

March 18, 1976

MAR 22 1976

CITY OF NEWBERG, ORE.
OFFICE OF RECORDER

Mr. M. C. Gilbert
City of Newberg
414 East First St.
Newberg, Oregon 97132

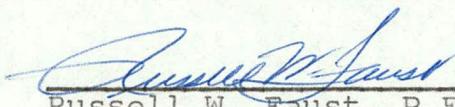
Dear Mr. Gilbert:

Enclosed are copies of the revised schedule for completion of the Newberg-Dundee Facilities Plan as requested in your letter of 3-17-76 to Cam Steketee. Please forward one copy to Steve Downs at DEQ after you've had a chance to review it.

Cam has assigned the duties of Project Manager to me but will continue to be involved himself, as Principal in Charge, at various stages in the project. Please call either one of us if we can answer questions along the way.

Yours truly,

WESTECH ENGINEERING, INC.



Russell W. Faust, P.E.
Project Manager

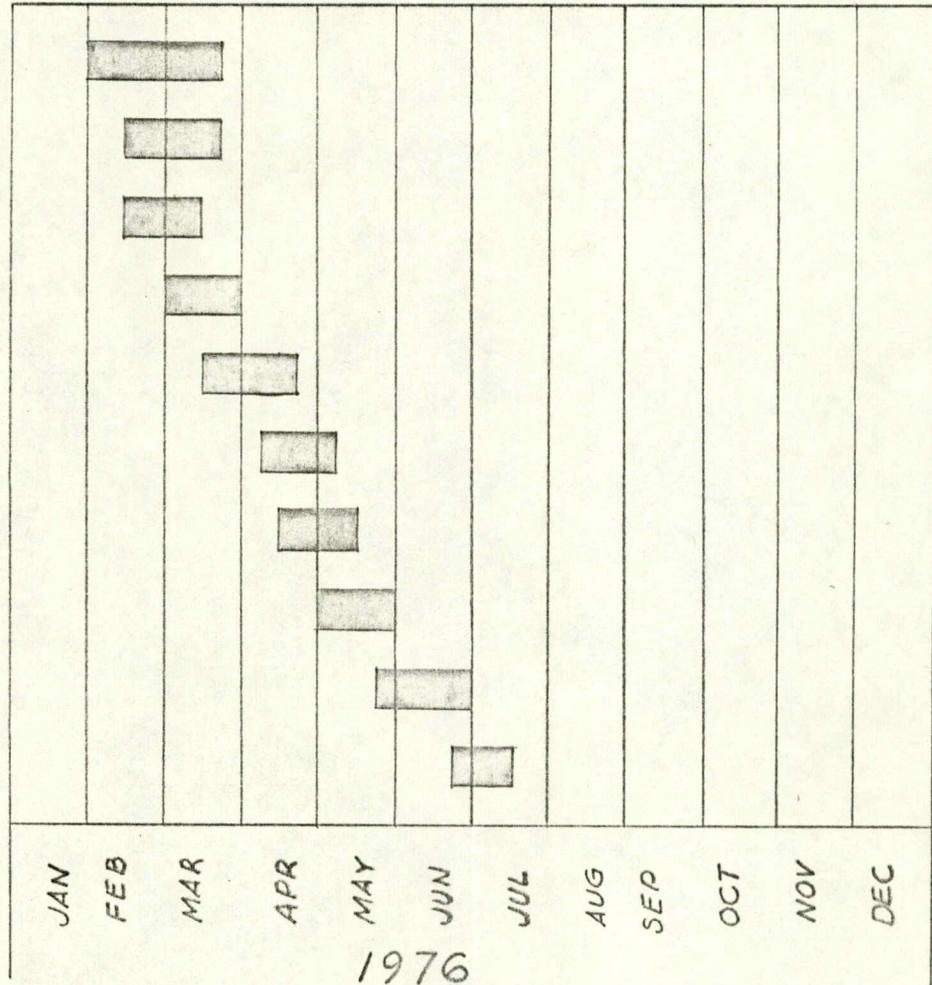
RWF: kr

Encl: 2 copies of Revised Schedule

cc: City of Dundee

NEWBERG - DUNDEE FACILITIES PLAN PROJECT SCHEDULE

- COLLECT DATA _____
- DRAFT PLANNING SECTION _____
- I/I MEASUREMENTS _____
- DRAFT COLLECTION SYS. SECTION _____
- DRAFT TREATMENT SECTION _____
- COST EFFECTIVE ANALYSIS _____
- DRAFT ALTERNATIVES SECTION _____
- SELECT RECOMMENDED PLAN _____
- DRAFT FINANCING PLAN _____
- REVIEW, REWRITE, SUBMIT REPORT _____





Westech Engineering, Inc.

CONSULTING ENGINEERS AND PLANNERS

PRINCIPALS
C. H. STEKETEE, P.E.
H. C. FERRIS, P.E.

200 Lancaster Drive S.E.
SALEM, OREGON 97301

February 12, 1976

Telephone 585-2474

U.S. Environmental Protection Agency
Region 10
1200 6th Avenue
Seattle, Washington 98101

Re: Newberg-Dundee Regional Sewer Facilities Plan, C-410494-01-0
Job Order 418

Attention: Mr. Clifford V. Smith, Jr. Regional Administrator

Dear Mr. Smith:

Your office by a letter dated January 19, 1976 informed the City of Newberg that an EPA grant reimbursing the City for 75% of the Step 1 Engineering Costs had been approved. That letter also indicated that a change in the Contract for Engineering Services between the City and Westech Engineering would need to be made. Enclosed you will find three copies of a revised Engineering Contract. This revision, Addendum #2, has been signed by the City and the Engineer. We trust that this change will satisfy the requirements for the Engineering Contract.

Very truly yours,

WESTECH ENGINEERING, INC.

C. H. Steketee, Jr.

CHS:kr
Encl: Noted

CC: City of Newberg



Westech Engineering, Inc.

CONSULTING ENGINEERS AND PLANNERS

PRINCIPALS
C. H. STEKETEE, P.E.
H. C. FERRIS, P.E.

200 Lancaster Drive S.E.
SALEM, OREGON 97301

February 9, 1976

Telephone 585-2474

City of Newberg
4 East First St.
Newberg, Oregon 97132

Re: Newberg-Dundee Regional Sewer Plans, Job Order 418
EPA Project C-410494-01-0

Attention: Mr. M. C. Gilbert, Finance Officer

Dear Mr. Gilbert

Thank you for sending us the letter indicating that the City has received a grant offer from EPA for a Step 1 Grant to undertake the above study. The second paragraph of the January 19, 1976 EPA letter to the City indicates that some changes must be made in the Agreement between Westech and the City for professional services for this project. The existing Engineering Contract, incidentally, was written to be in conformance with the regulations sent to us by EPA. These regulations we understand are still in effect, but new regulations will go into effect on March 1 which will no longer allow Engineering Contracts with per diem rates as a basis for compensation.

Almost a year has now passed since our proposal was submitted to the City, and at that time we had anticipated completing the planning project by early 1976 instead of just being in a position to start it. During this period our costs of doing business have increased somewhat. We are now faced with completing the project within the dollar limit set, and that limit may no longer be completely realistic.

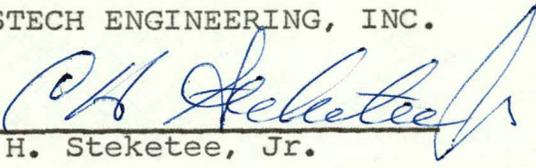
In order to satisfy EPA and to get the project underway without further delay, we suggest that our Engineering Contract be rewritten as a lump sum contract. We understand that this will be acceptable to EPA. Enclosed you will find four copies of a proposed addendum to our Engineer's Contract. If acceptable to you, please execute three copies and return them to this office. We will forward the materials to EPA for their review and approval.

RECEIVED
FEB 10 1976
CITY OF NEWBERG, ORE.
OFFICE OF RECORDER

Unless we hear from you otherwise, we plan to start on your planning work as soon as possible. It is important that wet weather sewage collection system measurements be made soon, before the rainy weather ends.

Very truly yours,

WESTECH ENGINEERING, INC.


C. H. Steketee, Jr.

CHS: kr

Encl: Noted

724
C. H. Steketee, Jr.
WESTECH ENGINEERING, INC.
1600 POND
HEMINGWAY



Westech Engineering, Inc.

CONSULTING ENGINEERS AND PLANNERS

PRINCIPALS
C. H. STEKETEE, P.E.
H. C. FERRIS, P.E.

200 Lancaster Drive S.E.
SALEM, OREGON 97301

Telephone 585-2474

December 17, 1975

Department of Environmental Quality
1234 S.W. Morrison Street
Portland, Oregon 97205

Re: Newberg-Dundee Regional Sewer Plan, C-410494 and C-410495, J.O. 418

Attn: Mr. Leo Baton

Dear Leo:

Enclosed you will find three copies each of comments and letters submitted in regard to the above project as part of the State and Regional A-95 Review System. You will notice that the only objection to the project was voiced by the Yamhill County Planning Director, and his concern seemed to be that the Planning Area which we had designated for the study included some land which they felt should never be sewerred. A meeting between the various affected parties was held, and a couple of minor changes in the boundary of the study area were agreed upon.

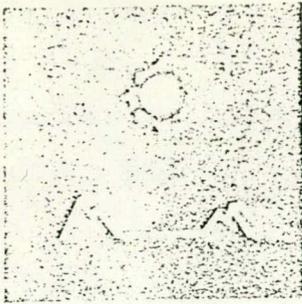
If you have any questions regarding these matters, please don't hesitate to call us. We believe that submission of these materials now satisfies the application requirements for an EPA Grant.

Very truly yours,

WESTECH ENGINEERING, INC.

C. H. Steketee, Jr.

CHS: kr
Encl: Noted
CC: City of Newberg



MID WILLAMETTE VALLEY COUNCIL OF GOVERNMENTS

400 SENATOR BUILDING ☆ 220 HIGH ST. N.E., SALEM, OREGON 97301
TELEPHONE (503) 588-6177 W. J. KVARSTEN, *Director*

December 8, 1975

Jack C. Nulsen, Jr., Mayor
City Hall
Newberg, OR 97132

SUBJECT: A-95 Review - NEBERG/DUNDEE REGIONAL SEWER PLAN

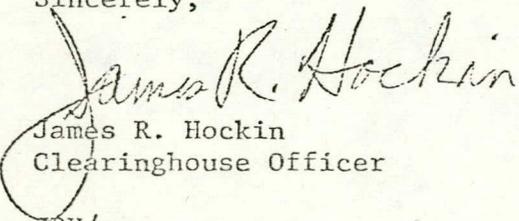
Dear Mayor Nulsen:

We are writing this letter to conclude our A-95 review of the subject project.

Attached is a copy of the letter and map we received from Craig Greenleaf, Director, Yamhill County Planning, showing the revised study area boundary which was agreed upon at our November 26th conference in McMinnville. With the issue of the study area boundary now resolved, we are able to find the project to be consistent with comprehensive planning for the area.

We were very pleased with the excellent cooperation shown by all concerned in resolving the issue. We are sending the original of the letter and map to Mr. Steketee, Westech Engineering for their use in the application to DEQ.

Sincerely,


James R. Hockin
Clearinghouse Officer

JRH/ss

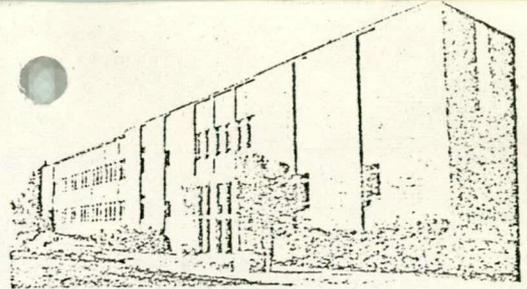
Attachment

MEMBER AGENCIES:

State of Oregon. COUNTIES: Marion, Polk, Yamhill. CITIES: Amity, Aumsville, Carlton, Dallas, Dayton, Hubbard, Independence, Jefferson, Lafayette, McMinnville, Monmouth, Mt. Angel, Salem, Sheridan, Silverton, Stayton, Turner, Willamina, Woodburn. SPECIAL DISTRICTS: Marion, Yamhill I.E.D.'s; Marion, Polk, Yamhill Soil & Water Conservation Districts; Marion County Fire District # 1, Salem School District 24J.

YAMHILL COUNTY

Oregon



COUNTY PLANNING COMMISSION
Department of Planning &
Development

RECEIVED
DEC 3 1975

MID WILLAMETTE VALLEY
COUNCIL OF GOVERNMENTS

December 2, 1975

Mr. James Hockin, Coordinator
Metropolitan/Regional Clearinghouse
Mid-Willamette Valley Council of Governments
400 Senator Building
220 High St. N.E.
Salem, Oregon 97301

Dear Mr. Hockins:

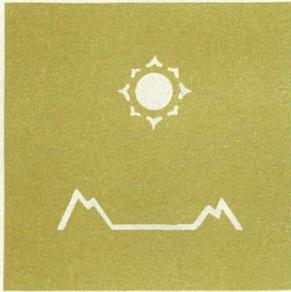
Further to my letter of October 13, 1975 and our meeting of November 26, 1975 concerning our objections to the proposed study area boundary for the Newberg-Dundee Regional Sewer System, enclosed please find a copy of a revised study area boundary which was agreed to at our meeting. This revised boundary meets the concerns addressed by my earlier letter, and is compatible with the interests of Yamhill County regarding this project.

Yours very truly,

Craig Greenleaf
Planning Director

CG:bs

Enclosure



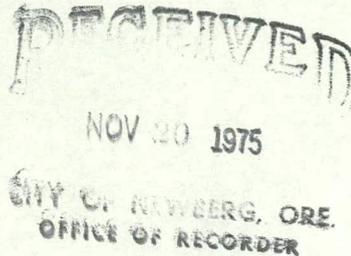
MID WILLAMETTE VALLEY COUNCIL OF GOVERNMENTS

400 Senator Building, 220 High Street N.E. Salem, OR 97301
~~ROOM 305 - CIVIC CENTER, 555 LIBERTY STREET S.E., SALEM, OREGON 97301~~
TELEPHONE (503) 588-6177

W. J. KVARSTEN, Director

November 18, 1975

Jack C. Nulsen, Jr. Mayor
City Hall
Newberg, OR 97132



SUBJECT: A-95 Review - NEWBERG/DUNDEE REGIONAL SEWER PLAN

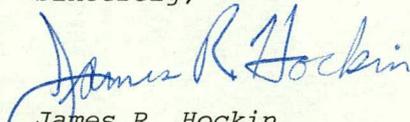
Dear Mayor Nulsen:

This letter is to confirm the arrangements we made for a conference to discuss Yamhill County's comments regarding the Newberg/Dundee Regional Sewer Plan. The meeting will be held on Wednesday, November 26, 1975 at 1:30 PM in Room 106 of the Yamhill County Courthouse in McMinnville.

I feel it would expedite our discussions if you could prepare a written response to Craig Greenleaf's 10/13/75 letter for use at the meeting. We could then begin to narrow in on a solution. In any event, it would be advisable to have a response to include with your final grant application along with the A-95 comments.

Our review period will be held open in order to allow time for this conference and finalization of comments.

Sincerely,


James R. Hockin
Clearinghouse Officer

JRH/ss

cc: Craig Greenleaf, Yamhill County Planning Dept.
Ted Lopuszynski, Yamhill County Board of Commissioners
Jack M. Crabtree, Mayor, Dundee
C. H. Steketee, Jr., Westech Engineering
Dennis Lewis, Administrator, Regional/Urban Area Planning Division

MEMBER AGENCIES:

State of Oregon. COUNTIES: Marion, Polk, Yamhill. CITIES: Amity, Aumsville, Carlton, Dallas, Dayton, Hubbard, Independence, Jefferson, Lafayette, McMinnville, Monmouth, Mt. Angel, Salem, Sheridan, Silvertown, Stayton, Turner, Willamina, Woodburn. SPECIAL DISTRICTS: Marion, Polk, Yamhill I.E.D.'s; Marion, Polk, Yamhill Soil & Water Conservation Districts; Marion County Fire District #1, Salem Public Schools.



Westech Engineering, Inc.

CONSULTING ENGINEERS AND PLANNERS

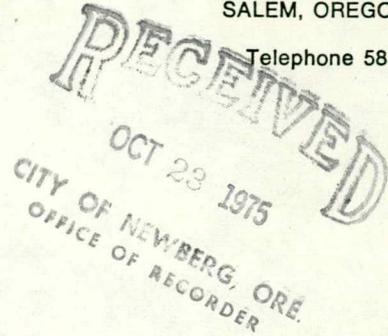
PRINCIPALS
C. H. STEKETEE, P.E.
H. C. FERRIS, P.E.

200 Lancaster Drive S.E.
SALEM, OREGON 97301

Telephone 585-2474

October 22, 1975

City of Dundee
City Hall
Dundee, Oregon 97115



Re: Newberg-Dundee Regional Sewer Plan, Job Order 418

Attention: Honorable Mayor and City Council

Gentlemen:

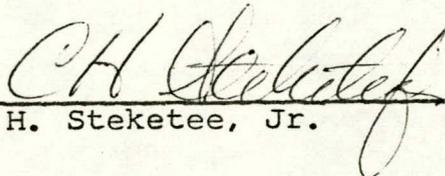
A question was recently raised regarding the status of the Regional Sewerage Plan for the Newberg-Dundee area. As you may recall, the cities embarked upon this planning work last Spring with the understanding that a loan to finance the work would be forthcoming from the Department of Environmental Quality. After the Cities were committed to the planning work, a considerable amount of correspondence passed between the City of Newberg, ourselves and the Department of Environmental Quality before it became apparent in July that DEQ was not going to finance the planning work with a loan, as previously indicated. A letter was received from the Department of Environmental Quality indicating that an application to the Environmental Protection Agency for a 75% grant financing the planning would be required. This application was prepared and was executed by the City of Newberg in October. The application was recently forwarded to the Department of Environmental Quality. Before the application can be considered complete, comments from the State and Regional Clearing Houses must be received and forwarded to the Department of Environmental Quality. Yesterday we received a letter from the Regional Clearing House, the Mid-Willamette Valley Council of Governments, indicating that the initial 30-day review period was not sufficient for their review, and that it would be an additional 30 days before their comments regarding the planning project would be available. In other words, this action will delay the application to EPA at least 1 month.

It appears to us that if the comments from the Clearing Houses are received during the next month, and if DEQ acts promptly to certify this project to EPA, financing for the project should be available by January or February of next year. Unfortunately, we cannot start work on the project until notification by EPA that the project is grant eligible, because the cost of any work done prior to that notice would not be reimbursable.

Westech Engineering, Inc.
October 22, 1975
Page 2

While this may seem confusing and time consuming, we simply can't start work on the project until the financing has been arranged. Because of the circumstances surrounding the delay of this planning project, we suspect that DEQ will be somewhat lenient in dealing with the City. On the other hand, we would recommend that the City not approve pending land developments which within three years would result in a city population over the City's Treatment Plant Capacity.

Very truly yours,
WESTECH ENGINEERING, INC.


C. H. Steketee, Jr.

CHS:kr

CC: City of Newberg

Oct. 16, 1975

Department of Environmental Quality
1234 S. W. Morrison Street
Portland, Oregon 97205

Re: Newberg-Dundee Regional Sewer Plan, C-410494 & C-410495,
Job Order #418

Attention: Mr. Leo Baton

Dear Leo:

Enclosed you will find three copies of an application and supporting data for Step I Grant funds through Environmental Protection Agency for the facilities planning work associated with regional sewer development in the Newberg-Dundee area. Specifically, you will find three copies of the following:

1. A signed application.
2. A Resolution naming the Mayor and Finance Officer of Newberg as agents to sign documents on behalf of the two cities in regard to this project.
3. A signed engineering contract together with an access to records clause.
4. Two compliance statements.
5. Background information regarding the project together with a plan of study.
6. An agreement between the two cities regarding the accomplishment of the planning work.

Comments from the State and Regional Clearinghouses should be in hand shortly and will be forwarded to your office as soon as they are available.

If you have any questions or need additional information regarding this project, please don't hesitate to call.

Very truly yours,

WESTECH ENGINEERING, INC.

CHS/ah
Encl: Noted

C. H. Steketee, Jr.

CC: M.C.Gilbert, Finance Officer



OREGON PROJECT NOTIFICATION AND REVIEW SYSTEM

STATE CLEARINGHOUSE

Intergovernmental Relations Division
240 Cottage Street S.E., Salem, Oregon 97310
Leslie Lehmann, Coordinator Ph: 378-3732

STATE A-95 REVIEW CONCLUSIONS

APPLICANT: City of Newberg

PROJECT TITLE: Newberg-Dundee Regional Sewer Plan

DATE: October 21, 1975

The state has reviewed your project and reached the following conclusions:

- No significant conflict with the plans, policies or programs of state government have been identified ~~and your proposal is endorsed as presented.~~
- Relevant comments of state agencies are attached and should be considered in the final design of your proposal.
- Potential conflicts with the plans and programs of the state agency(s) have been satisfactorily resolved. No significant issues remain.
- Significant conflicts with the plans, policies or programs of state government have been identified and remain unresolved. The final proposal has been reviewed and the final comments and recommendations of the state are attached.

NOTICE TO FEDERAL AGENCY

The following is the officially assigned State Identifier Number:

7509 2 560

This number should be used on all correspondence and particularly on SF 240 as required by OMB A-98.

RECEIVED
OCT 23 1975
CITY OF NEWBERG, ORE.
OFFICE OF RECORDER

A copy of this notification and attachments, if any, must accompany your application to the federal agency as required by OMB A-95. Comments of the appropriate local reviewing agencies must also be included.

cc: C.H. Steketee, Jr.

418 application fee



OREGON PROJECT NOTIFICATION AND REVIEW SYSTEM

STATE CLEARINGHOUSE

Intergovernmental Relations Division
240 Cottage Street S.E., Salem, Oregon 97310
Leslie Lehmann, Coordinator Ph: 378-3732

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NOTICE TO FEDERAL AGENCY

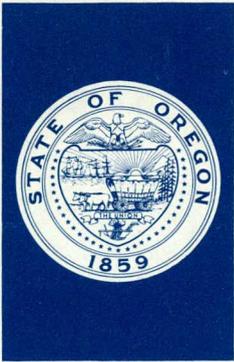
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A copy of this notification and attachments, if any, must accompany your application to the federal agency as required by OMB A-95. Comments of the appropriate local reviewing agencies must also be included.

cc: C.H. Steketee, Jr.



EXECUTIVE DEPARTMENT

INTERGOVERNMENTAL RELATIONS DIVISION
LOCAL GOVERNMENT RELATIONS DIVISION

240 COTTAGE STREET S.E.

SALEM, OREGON 97310

ROBERT W. STRAUB
GOVERNOR

STAFFORD HANSELL
Director

October 14, 1975

Mr. M. C. Gilbert
Finance Officer
414 East First Street
Newberg, Oregon 97132

Dear Mr. Gilbert:

Re: Newberg-Dundee Regional Sewer
Plan
PNRS # 7509 2 560

This is to notify you that the State Department of
Land Conservation and Development has requested an
extension of review time as allowed by OMB Circular A-95.

We will attempt to expedite matters in order to cause
you the least possible inconvenience.

Sincerely,

William H Young

William H. Young
Administrator

WHY:lm

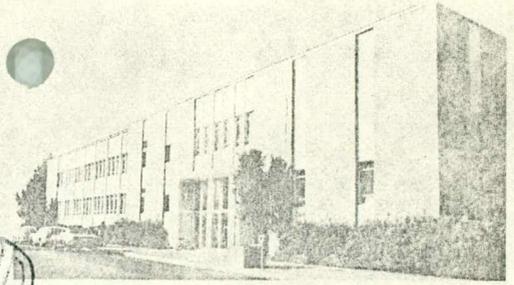
RECEIVED

OCT 16 1975

CITY OF NEWBERG, ORE.
OFFICE OF RECORDER

YAMHILL COUNTY

Oregon



RECEIVED
OCT 15 1975
CITY OF NEWBERG, ORE.
OFFICE OF RECORDER

COUNTY PLANNING COMMISSION
Department of Planning &
Development

October 13, 1975

Mr. James Hockin, Coordinator
Metropolitan/Regional Clearinghouse
Mid-Willamette Valley Council of Governments
Room 305, Civic Center
555 Liberty Street, S.E.
Salem, OR 97301

Dear Mr. Hockin:

Re: Newberg-Dundee Regional Sewer Plan

Thank you for the opportunity to comment on this project. We have enclosed copies of two maps which shows the adopted County Comprehensive Plan and an alternative for the area being considered for sewer services. Our comments are primarily in reference to the Comprehensive Plan for the area to be studied.

The Newberg/Dundee area is recognized in the County Plan as coming under increasing urbanizing pressure as more people become willing to commute to the Portland Metropolitan area. At the same time the County Plan is strongly oriented at the preservation and conservation of the natural resources through discouraging sprawl, premature residential development, and is heavily dependent on channeling residential development into the existing urban areas. These urban containment/natural resource conservation policies are supported by LCDC and generally consistent with public opinion.

A regional sewer project for this area is consistent with the County Plan. The real concern arises in delimiting the service boundaries which tend to be coterminous with the urban growth boundaries concept required by LCDC under goal 14 of the Statewide Goals and Guidelines. As of this date no agreement as to the designation of this boundary has been attained.

It would appear that the area within the proposed study area is overly expansive to the west and southwest of Newberg into areas of intensive agriculture use and not available for urbanization. At the same time the boundary northeast is too restrictive and should be located along Springbrook Creek and its eastern most tributary.

Considerable portions of the area west of Newberg and Dundee included in the study area is designated "Agriculture/Forestry-Large Holding 20-40 Acres" on the Yamhill County Comprehensive Plan. The same is true for that area between Dundee and the Willamette River. In accordance with these plan designations there are large areas to be zoned "Exclusive Farm Use" with a 40 acre minimum parcel size. Additionally the Dundee Comprehensive Plan, December, 1974, also designates large areas agriculture which are proposed for inclusion into the study area and further states at page 4-8:

"Agricultural land use is designated in the former Port West development area southeast of town adjacent to the Willamette River. The City has considered deannexing this area and may do it in the future. The City's policy is to preserve this area as agriculture." (Emphasis added).

The County Comprehensive Plan also has several policy statements concerning the Newberg/Dundee area. These policy statements should be considered during the process of developing this study area boundary. The Comprehensive Plan as adopted contains a designation of 1,150 acres of residential designation, not including those areas expected for medium density residential development. The current proposed plan designations would accommodate a population increase to approximately 31,970 people; this compares to a projected population of 32,000 for the year 2000, estimated on the bases of a 3% annual increase.

There are several policy statements relating to the Newberg/Dundee areas which are found on pages 81 and 82 in the Comprehensive Plan. These policies are as follows:

"That the Newberg and Dundee urban area will be delimited as shown on the Plan Map, and that no extension of urban land uses or City water and sewer services beyond the designated urban area will be undertaken without concurrent amendments to both the City and County Comprehensive Plans.

"That major land uses or functional areas and domestic water supply and sanitary sewer service areas will develop progressively outward and be extended on a staged basis until they become coextensive with and fully service the designated urban area.

"That the designated residential areas south of Highway 99W and east of Springbrook Road, north of the Mountain View Drive arterial highway access, west of Main Street, Crater Lane and Chehalem Creek, and north and east of the present city boundary of Dundee will be denied City water and sewer services until all other designated residential areas are substantially developed.

In respect to Plan Alternative "A", the following additional special growth policies are adopted:

"That the designated light industrial areas east of Springbrook Road and flanking both sides of Highway 99W between Newberg and Dundee will be developed on a staged basis, reflecting the need of the community for additional industrial land, the capacity of the market to absorb it, and the financial means of the cities to extend and amortize necessary urban services, with the latter area to be developed only after such time as regional water supply and sanitary sewerage systems are developed to serve the combined urban area.

"That the designated low-density residential area west of Highway 99W and north of the present city boundary of Dundee, generally known as the Sunnycrest area, will be developed on a staged basis on full urban services after such time as regional water and sewer systems are developed as described in the above policy."

There are a number of policy statements which support the proposed project. The Comprehensive Plan at page 184 states that it is the policy of Yamhill County:

"That the development of sanitary sewerage systems will be supported where such systems conform to all applicable Federal and State standards pertinent to the collection, treatment, and final disposal of effluent; that support will be given for the continued separation of sanitary and stormwater collection systems and the development of correction programs to reduce ground and surface water infiltrations; that support will be given for the separation and disposal of industrial wastes which differ significantly from normal domestic sewage in strength or composition, or which contain significant quantities of grease, chemicals or suspended metals; and that the planning management criteria enunciated for domestic water systems should be applied with equal consideration to sanitary sewerage systems."

The Comprehensive Plan also supports consolidation of water and sewer facilities. Such support is indicated by the Comprehensive Plan at page 186 states:

"That Yamhill County will support any consolidation of water and sewer facilities to secure the potential economies of scale and organization, providing their potential environmental impacts are consistent with existing land-use plans, related urban growth goals and policies, established water-quality standards, and where separate local facilities are shown to be more expensive."

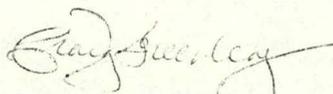
While considerable support is given by the Yamhill County Comprehensive Plan it is clear that such support must be weighed against the policies in the Plan relating to urban sprawl and containment. It would appear then that although the Plan would support the proposed study it would not support the study area boundary which has been shown on the proposed study design.

We would support the following changes to the boundary:

1. The study area boundary should be expanded to include the area east of Springbrook, south of Bell Road and north of 99W as shown on the Yamhill County Comprehensive Plan as Very Low Density Residential.
2. The boundary of the study to the west should be moved so as to coincide with the division between Agriculture/Forestry Small Holding and Agriculture/Forestry Large Holding as shown on the Yamhill County Comprehensive Plan. Particularly, the line should be moved to coincide with the creek which runs easterly between Harvey Creek and Chehalem Creek.
3. The boundary to the south and east of Dundee should be moved so as to more nearly coincide with the area proposed for urban development under the Yamhill County Comprehensive Plan.

Yamhill County supports the development of this study only if the study area boundary is modified, as noted above. Until these changes are made in the study design, the proposed study would appear to be in violation of the County's Comprehensive Plan and with the LCDC goals and guidelines, particularly goals 3 (agriculture) and 14 (urbanization).

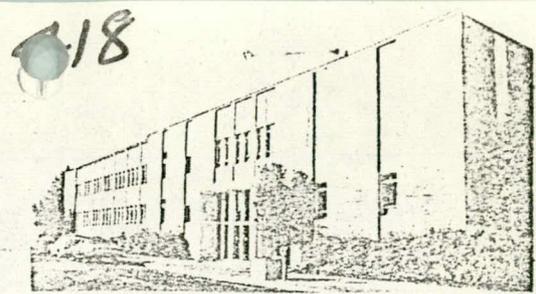
Yours very truly,


Craig Greenleaf
Acting Planning Director

CG:vs

cc: Board of Commissioners
Jack Nulsen, Mayor, City of Bewberg

YAMHILL COUNTY
Oregon



COUNTY PLANNING COMMISSION
Department of Planning &
Development

RECEIVED
OCT 16

MID WILLAMET
COUNCIL of C

October 13, 1975

Mr. James Hockin, Coordinator
Metropolitan/Regional Clearinghouse
Mid-Willamette Valley Council of Governments
Room 305, Civic Center
555 Liberty Street, S.E.
Salem, OR 97301

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In respect to Plan Alternative "A", the following additional special growth policies are adopted:

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"That the development of sanitary sewerage systems will be supported where such systems conform to all applicable Federal and State standards pertinent to the collection, treatment, and final disposal of effluent; that support will be given for the continued separation of sanitary and stormwater collection systems and the development of correction programs to reduce ground and surface water infiltrations; that support will be given for the separation and disposal of industrial wastes which differ significantly from normal domestic sewage in strength or composition, or which contain significant quantities of grease, chemicals or suspended metals; and that the planning management criteria enunciated for domestic water systems should be applied with equal consideration to sanitary sewerage systems."

The Comprehensive Plan also supports consolidation of water and sewer facilities. Such support is indicated by the Comprehensive Plan at page 186 states:

"That Yamhill County will support any consolidation of water and sewer facilities to secure the potential economies of scale and organization, providing their potential environmental impacts are consistent with existing land-use plans, related urban growth goals and policies, established water-quality standards, and where separate local facilities are shown to be more expensive."

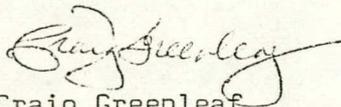
While considerable support is given by the Yamhill County Comprehensive Plan it is clear that such support must be weighed against the policies in the Plan relating to urban sprawl and containment. It would appear then that although the Plan would support the proposed study it would not support the study area boundary which has been shown on the proposed study design.

We would support the following changes to the boundary:

1. The study area boundary should be expanded to include the area east of Springbrook, south of Bell Road and north of 99W as shown on the Yamhill County Comprehensive Plan as Very Low Density Residential.
2. The boundary of the study to the west should be moved so as to coincide with the division between Agriculture/Forestry Small Holding and Agriculture/Forestry Large Holding as shown on the Yamhill County Comprehensive Plan. Particularly, the line should be moved to coincide with the creek which runs easterly between Harvey Creek and Chehalem Creek.
3. The boundary to the south and east of Dundee should be moved so as to more nearly coincide with the area proposed for urban development under the Yamhill County Comprehensive Plan.

Yamhill County supports the development of this study only if the study area boundary is modified, as noted above. Until these changes are made in the study design, the proposed study would appear to be in violation of the County's Comprehensive Plan and with the LCDC goals and guidelines, particularly goals 3 (agriculture) and 14 (urbanization).

Yours very truly,



Craig Greenleaf
Acting Planning Director

CG:vs

cc: Board of Commissioners
Jack Nulsen, Mayor, City of Bewberg

RECEIVED
STATE ENGINEER
SEP 25 1975

REFER TO: OCT 3 1975

FOR: 240 Cottage Street S.E., Salem, Oregon 97310

Info	Inves	R/D	D/R	Sign	Act

OREGON PROJECT NOTIFICATION AND REVIEW SYSTEM

LOCAL GOVERNMENT
RELATIONS DIV.

STATE CLEARINGHOUSE

REGION 2 ENGINEER
RECEIVED
SEP 25 1975

<input type="checkbox"/>				
RE	RCE	NME	RTS	ROE
<input type="checkbox"/>				
ULE	CEY	RFO	R.C	RFE

Intergovernmental Relations Division
240 Cottage Street S.E., Salem, Oregon 97310
Leslie Lehmann, Coordinator Phone: 378-3782

PNRS STATE REVIEW

Project #: 7509 2 560 Due Date: OCT 10 1975

To Agency Addressed: If you intend to comment but cannot respond by the return date, please notify us immediately. If no response is received by the due date, it will be assumed that you have no comment and the file will be closed.

PROGRAM REVIEW AND COMMENT

To State Clearinghouse: We have reviewed the subject Notice and have reached the following conclusions on its relationship to our plans and programs:

- () It has no adverse effect.
- () We have no comment.
- () Effects, although measurable, would be acceptable.
- () It has adverse effects.
- () We are interested but require more information to evaluate the proposal.
- (X) Please coordinate the implementation of the proposal with us.
- () Additional comments for project improvement. (Attach if necessary)

REGION 2 ENGINEER
RECEIVED
OCT 01 1975

<input type="checkbox"/>				
RE	RCE	NME	RTS	ROE
<input type="checkbox"/>				
ULE	CEY	RFO	R.C	RFE

9/24/75

REMARKS (Please type or print legibly)

TO REGION 2: Newberg-Dundee Regional Sewer Plan

*PLEASE COORDINATE WITH US WHERE THIS PROPOSAL
WILL EFFECT THE HIGHWAY RIGHTS OF WAY.*

*Region 2
1910-2nd St.
Tillamook, Or 97141*

F B KLABOE
ADMINISTRATOR OF HIGHWAYS
140 HIGHWAY BUILDING
SALEM OREGON 97310

Agency Highway

By J. J. Lacey
DISTRICT ENGINEER

RECEIVED
STATE ENGINEER
OCT 15 1975

REFER TO: OCT 3 1975

FOR: 240 Cottage Street S.E., Salem, Oregon 97310
Leslie Lehmann, Coordinator Phone: 378-3710

Info	Inves	R/D	D/R	Sign	Act	File

OREGON PROJECT NOTIFICATION AND REVIEW SYSTEM

LOCAL GOVERNMENT RELATIONS DIV.

STATE CLEARINGHOUSE

REGION 2 ENGINEER
RECEIVED
SEP 25 1975

<input type="checkbox"/>				
RE	RCE	RMC	RTE	ROE
<input type="checkbox"/>				
ULE	UEL	RIC	RLC	RFE

Project #: PNRS STATE REVIEW
7509 2 560 Due Date: OCT 10 1975

To Agency Addressed: If you intend to comment but cannot respond by the return date, please notify us immediately. If no response is received by the due date, it will be assumed that you have no comment and the file will be closed.

PROGRAM REVIEW AND COMMENT

To State Clearinghouse: We have reviewed the subject Notice and have reached the following conclusions on its relationship to our plans and programs:

- () It has no adverse effect.
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- () Effects, although measurable, would be acceptable.
- () It has adverse effects.
- () We are interested but require more information to evaluate the proposal.
- (X) Please coordinate the implementation of the proposal with us.
- () Additional comments for project improvement. (Attach if necessary)

REGION 2 ENGINEER
RECEIVED
OCT 01 1975

<input type="checkbox"/>				
RE	RCE	RMC	RTE	ROE
<input type="checkbox"/>				
ULE	UEL	RIC	RLC	RFE

9/24/75

REMARKS (Please type or print legibly)

TO REGION 2: Newberg-Dundee Regional Sewer Plan

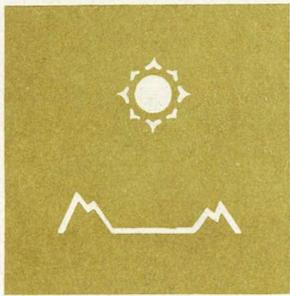
*PLEASE COORDINATE WITH US WHERE THIS PROPOSAL
WILL EFFECT THE HIGHWAY RIGHTS OF WAY.*

Region 2
910-2nd St.
Tillamook, Or 97141

F B KLABOE
ADMINISTRATOR OF HIGHWAYS
140 HIGHWAY BUILDING
SALEM OREGON 97310

Agency Highway

By J. J. [Signature]
DISTRICT ENGINEER



MID WILLAMETTE VALLEY COUNCIL OF GOVERNMENTS

ROOM 305 ★ CIVIC CENTER, 555 LIBERTY STREET S.E., SALEM, OREGON 97301
TELEPHONE (503) 588-6177

W. J. KVARSTEN, *Director*

September 24, 1975

M. C. Gilbert
Finance Officer
414 East First Street
Newberg, OR 97132

Dear Mr. Gilbert:

SUBJECT: A-95 REVIEW - NEWBERG-DUNDEE REGIONAL SEWER PLAN

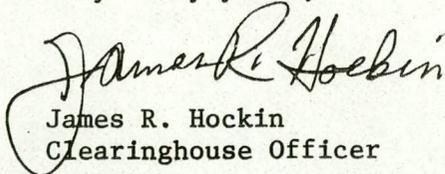
This letter acknowledges receipt of your Notice of Intent to apply for Federal Assistance. We received it on September 19, 1975.

The Council of Governments, acting as a regional clearinghouse, will distribute copies of your Notice of Intent to interested agencies for comment.

We will also be making a staff review of your project. We will forward our response, along with any comments made by the local agencies, within the 30-day period allowed us under Federal regulations. These comments should accompany your application to the funding agency.

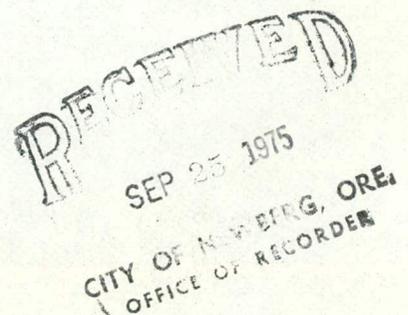
If you have any questions about the procedure used in reviewing your Notice of Intent, please contact me at 588-6191.

Very truly yours,


James R. Hockin
Clearinghouse Officer

JRH/ss

cc: Leslie Lehmann, State Clearinghouse
240 Cottage Street S.E.
Salem, OR 97310



MEMBER AGENCIES:

State of Oregon. COUNTIES: Marion, Polk, Yamhill. CITIES: Amity, Aumsville, Carlton, Dallas, Dayton, Hubbard, Independence, Jefferson, Lafayette, McMinnville, Monmouth, Mt. Angel, Salem, Sheridan, Silverton, Stayton, Turner, Willamina, Woodburn. SPECIAL DISTRICTS: Marion, Polk, Yamhill I.E.D.'s; Marion, Polk, Yamhill Soil & Water Conservation Districts; Marion County Fire District #1, Salem Public Schools.



OREGON PROJECT NOTIFICATION AND REVIEW SYSTEM

STATE CLEARINGHOUSE

Intergovernmental Relations Division
240 Cottage Street S.E., Salem, Oregon 97310
Leslie Lehmann, Coordinator Phone: 378-3732

PROJECT ACKNOWLEDGEMENT

APPLICANT: City of Newberg
PROJECT TITLE: Newberg-Dundee Regional Sewer Plan
DATE RECEIVED: September 16, 1975
PNRS #: 7509 2 560

Your project has been assigned the file title and number that appear above. Use this reference in all future correspondence regarding this project.

Initial 30-day State Clearinghouse review of your Notice of Intent began on the above date.

The 30-day State Clearinghouse review of your final application began on the above date.

Initial 30-day State Clearinghouse review of this HUD Housing project began on the above date.

Initial 30-day State Clearinghouse review of your Direct Federal Development project began on the above date.

The 30-day State Clearinghouse review of your final Environmental Impact Statement began on the above date.

Initial 45-day State Clearinghouse review of your draft Environmental Impact Statement began on the above date.

The 45-day State Clearinghouse review of your State Plan/Amendment began on the above date.

If you have questions or need assistance, contact the State Clearinghouse at the above address and telephone number.

CC: C.H. Steketee Jr.

Sept. 15, 1975

Mid-Willamette Valley Council of Governments
A-95 Review Section
Salem Civic Center
Salem, Oregon

Re: Newberg/Dundee Regional Sewer Plan, Job Order #418

Gentlemen:

The City of Newberg is in the process of applying to EPA for Step I funding of regional sewer system improvements. Enclosed you will find a notification to that effect and a description of the anticipated planning project. We would appreciate your review of the project in accordance with A-95 procedures.

Very truly yours,

WESTECH ENGINEERING, INC.

C. H. Steketee, Jr.

CHS/ah

Encl: Noted

CC: City of Newberg

Sept. 15, 1975

State Clearing House
Intergovernmental Relations Division
240 Cottage Street S.E.
Salem, Oregon 97310

Re: Newberg/Dundee Regional Sewer Plan, Job Order #118

Attention: Mrs. Leslie Lehmann, Coordinator

Dear Mrs. Lehmann:

The City of Newberg is in the process of applying to EPA for Step I funding of regional sewer system improvements. Enclosed you will find a notification to that effect and a description of the proposed planning work. We would appreciate a timely review of this notification in accordance with A-95 procedures.

Very truly yours,

WESTECH ENGINEERING, INC.

CHS/ah

C. H. Steketee, Jr.

Encl: Noted

CC: City of Newberg



OREGON PROJECT NOTIFICATION AND REVIEW SYSTEM

NOTIFICATION OF INTENT TO APPLY FOR FEDERAL AID

For Internal Use Only	1-8] PNRs #	Page One
02	12] APPLICANT City of Newberg	[45] 46] DIVISION [79]
03	12] APPLICANT ADDRESS STREET 414 East First Street	[45] 46] CITY [60] 76] ZIP [80] Newberg 97132
04	12] CONTACT PERSON M.C. Gilbert, Finance Office	[45] 46] AREA CODE [48] 49] PHONE [55] 56] EXTENSION [59] 503 538-9421
01	12] PROJECT TITLE [71] Newberg-Dundee Regional Sewer Plan	
11	12] PROJECT LOCATION—CITY Newberg/Dundee	[79] PROJECT LOCATION—COUNTY Yamhill PROJECT LOCATION SEC: T: R: N/A
05	SUMMARY PROJECT DESCRIPTION (ATTACH SUPPORTING DOCUMENTS AS NECESSARY—SEE INSTRUCTIONS ON BACK)	
06	Project involves the study of the Newberg and Dundee municipal	
07	areas and how sewer service and sewage treatment can best be	
08	accomplished in these areas.	
09		
10		
12	AMOUNT REQUESTED—FEDERAL FUNDS	NON-FEDERAL MATCHING FUNDS
12]	(A) Grant [19] 20] (B) Other [27] 28]	(C) State [35] 36] (D) Local [43] 44]
	OTHER FUNDS [51] 52]	TOTAL FUNDS [60]
	18188	6062 24250
13	12] TYPE OF OTHER FEDERAL FUNDS (See 12B) None	[45] 46] TYPE OF OTHER NON-FEDERAL FUNDS (See 12E) City funds [79]
14	12] FEDERAL PROGRAM TITLE [71] Construction Grants for Wastewater Treatment Works	
15	12] FEDERAL AGENCY NAME [45] 46] FEDERAL SUB-AGENCY NAME [79] Environmental Protection Agency Grants Administration	
17	(A) TYPE OF APPLICANT: (Check (X) the single most applicable box)	
	STATE <input type="checkbox"/> 12	INTER-STATE <input type="checkbox"/> 13
	COUNTY <input type="checkbox"/> 14	CITY <input checked="" type="checkbox"/> 15
	SCHOOL DISTRICT <input type="checkbox"/> 16	SPECIAL DISTRICT <input type="checkbox"/> 17
	COMMUNITY ACTION <input type="checkbox"/> 18	SPONSORED ORGANIZATION <input type="checkbox"/> 19
	OTHER <input type="checkbox"/> 20	
	(B) TYPE OF ACTION: (Check (X) as many boxes as apply to this action)	
	NEW GRANT <input checked="" type="checkbox"/> 21	CONT. GRANT <input type="checkbox"/> 22
	SUPPL'T GRANT <input type="checkbox"/> 23	INCREASE DURATION <input type="checkbox"/> 24
	DECREASE DURATION <input type="checkbox"/> 25	CANCELLATION <input type="checkbox"/> 26
	INCREASE DOLLARS <input type="checkbox"/> 27	DECREASE DOLLARS <input type="checkbox"/> 28
	(C) HAS DISTRICT CLEARINGHOUSE BEEN NOTIFIED? Regional Yes <input checked="" type="checkbox"/> 29 No <input type="checkbox"/> 30 Date: _____	(D) REVIEW REQUIRED by A-95 Yes <input type="checkbox"/> 31 No <input type="checkbox"/> 32
	(E) ENVIRONMENTAL IMPACT Yes <input type="checkbox"/> 33 No <input type="checkbox"/> 34	(F) HOUSING RELOCATION REQUIRED Yes <input type="checkbox"/> 35 No <input type="checkbox"/> 36
	(G) ESTIMATED APPLICATION FILING DATE: [41] MONTH [42] 43] DAY [44] 45] YEAR [46] 10 1 75	

PLAN OF STUDY
CITY OF NEWBERG

A. Study Area

The City of Newberg, Oregon, is an incorporated City in the north portion of Yamhill County, Oregon. The City of Dundee is also an incorporated city and lies approximately two miles south of Newberg, also in Yamhill County. Both cities lie near the Willamette River, and are approximately fifteen miles south of Portland, Oregon.

Both cities now have individual sewer systems but are faced with system expansion to service growing communities and the need to upgrade their treatment facilities in order to comply with new water quality standards.

B. 1974 Population

The City of Newberg had a 1974 population of 8,145 persons while the City of Dundee had a 1974 population of 925. Both cities have experienced rapid growth in recent years, at least partially due to natural trend toward suburban growth in the greater Portland area.

C. Purpose of Grant Application

Both cities have been required by their NPDES Permits to upgrade their facilities in order to meet current waste discharge and water quality standards. The water quality standards in each case are considerably more stringent than they were when the most recent treatment plant improvements were made. The City of Newberg has a conventional type treatment plant located near the bank of the Willamette River. Dundee has a stabilization pond treatment system. Expansion of both facilities is anticipated if the cities are to individually serve their expanding populations.

Neither city has sufficient funds to undertake the project without financial assistance. The primary objective and scope of facility planning is to provide for a cost effective, environmentally sound and implementable waste treatment facility to serve either the cities individually or the cities jointly. A determination as to whether joint facilities or individual facilities are most desirable will be made as a part of this study. The project will consider available alternatives both from the technical and environmental points of view. The cities have agreed to participate in this regional plan and have agreed to name the City of Newberg as the applicant for project funding.

D. Responsible Planning Organization

A three county comprehensive plan prepared by the Mid-Willamette Council of Governments indicates that the Cities of Dundee and Newberg should consider a regional sewer system serving the two communities.

E. Preparation of Plan

The City of Newberg, a legal and responsible Oregon city, plans to accomplish the facility planning through the retention of the consulting engineering firm of Westech Engineering, Inc. An engineering agreement is attached.

F. Available Data

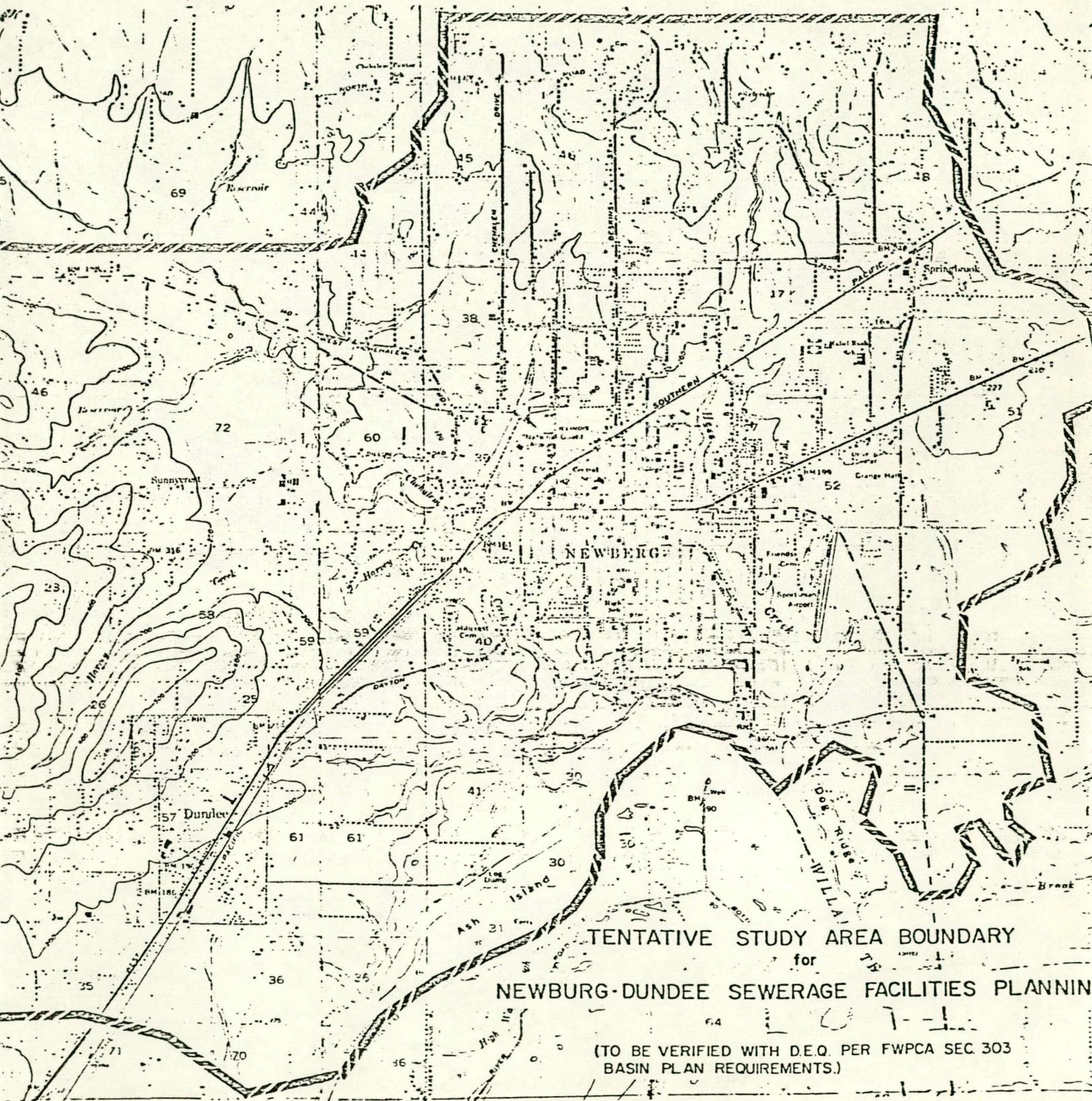
Both cities have maintained good sewage treatment plant records for a number of years. This information will be available for the engineer's evaluation.

G. Infiltration/Inflow

A review of Newberg plant records indicates that a substantial amount of infiltration/inflow enters the city's sewage collection system. Thus, excessive infiltration/inflow may be found in all or part of the Newberg collection system. The Dundee sewage collection system is relatively new and all indications are that no excessive infiltration/inflow exists.

H. Task Schedule and Costs

The major tasks required for preparation of facility plan are indicated on the attached bargraph. This graph indicates the number of man days of effort and estimated cost of each task, and a projected time schedule for completion in months. Study will be completed in nine months at an estimated cost of \$24,250.00, plus the cost of a sewer system evaluation if such an evaluation is found to be needed.



TENTATIVE STUDY AREA BOUNDARY
for
NEWBURG-DUNDEE SEWERAGE FACILITIES PLANNING

(TO BE VERIFIED WITH D.E.Q. PER FWPCA SEC. 303
BASIN PLAN REQUIREMENTS.)

FACILITY PLANNING - NEWBERG/DUNDEE REGIONAL PLAN

Task Functions

	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
<u>A. Preliminary Report & Screening of Alternatives</u>									
Review current records, plans, etc.	5 MD								
	\$800								
Assessing & evaluating current situation	10 MD								
	\$1600								
I/I Analysis of existing system			43 MD						
			\$6880						
Population projection, land use, flows, etc.		8 MD							
		\$1230							
Develop & evaluate general alternatives (screening)			10 MD						
			\$1600						
<u>B. Cost Effective Analysis & Environmental Assessment</u>									
Cost effective analysis of major alternatives				20 MD					
				\$3200					
Environmental effects of alternatives					6 MD				
					\$960				
Institutional feasibility						6 MD			
						\$960			
<u>C. Public Participation & Public Hearing on Facility Plan</u>									
Public Hearings & Records							2 MD		
							\$320		
Evaluation of Comments from Hearings								2 MD	
								\$320	
<u>D. Selection of Final Alternatives & Revising Report</u>									
								9 MD	
								\$1440	
<u>E. Predesign Report, Financial & Implementation</u>									
									30 MD
									\$4890
				151 MD					
				\$24,250					



Westech Engineering, Inc.

CONSULTING ENGINEERS AND PLANNERS

PRINCIPALS
C. H. STEKETEE, P.E.
H. C. FERRIS, P.E.

200 Lancaster Drive S.E.
SALEM, OREGON 97301

Telephone 585-2474

Sent 15 1975
RECEIVED
SEP 22 1975

City of Newberg
414 East First Street
Newberg, Oregon 97132

CITY OF NEWBERG, ORE.
OFFICE OF RECORDER

Re: Newberg/Dundee Regional Sewer Plan, Job Order #418

Attention: Mr. M. C. Gilbert, Finance Officer

Dear Mr. Gilbert:

We have prepared the application forms and supporting documents for application to EPA for 75% grant funding of the regional sewer planning work through EPA. Enclosed you will find two copies of the following:

1. A sample resolution which needs to be passed by the City Council authorizing someone, perhaps the mayor or yourself, to sign all applications and documents relating to the sewer work planning.
2. An application for Federal assistance. This form needs to be signed on page 1 by the person authorized to do the signing.
3. A narrative statement. This is for your information only.
4. Two compliance statements, both of which need to be signed.

As we discussed by phone Friday, notices of intent to file for Federal funds have been sent to the State and Regional Clearing-houses.

We will need from the City the following:

1. A copy of the resolution naming a person to sign the documents.
2. A signed application form.
3. Signed compliance statements.

If you have any questions regarding these matters, please don't hesitate to call us. We would be happy to attend a Council meeting to go over these matters with the Council if you feel that it would be helpful.

Very truly yours,

WESTECH ENGINEERING, INC.

C. H. Steketee, Jr.

CHS/ah

Encl: Noted

RESOLUTION # _____

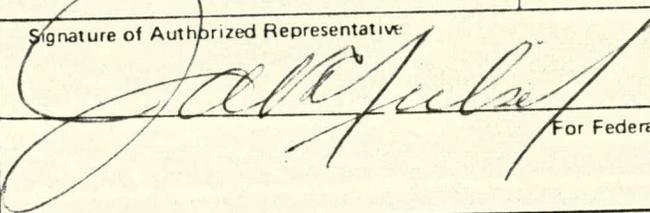
A resolution authorizing the Mayor to sign all applications and documents relating to sewage work planning and construction grants.

The City Council of the City of Newberg, in regular session, does hereby resolve:

That the Mayor, in his capacity as such officer, is authorized to sign all applications or documents required for or related to sewage works project grants or other financial assistance.

Passed , 1975

(s) City Council

APPLICATION FOR FEDERAL ASSISTANCE (FOR CONSTRUCTION PROGRAMS) PART I		1. State Clearinghouse Identifier	
3. Federal Grantor Agency Environmental Protection Agency		2. Applicant's Application No. C-410494 & C-410495	
		4. Applicant Name City of Newberg	
Organizational Unit Region X		Department Division Public Works Department	
Administrative Office Grants Administration Branch		Street Address - P. O. Box 414 East First Street	
Street Address - P. O. Box 1200 Sixth Ave.		City Newberg	County Yamhill
City Seattle, Washington	State Washington	State Oregon	Zip Code 97132
5. Descriptive Name of the Project Newberg/Dundee Regional Sewer Plan			
6. Federal Catalog No. 66.418		7. Federal Funding Requested \$ 18,188	
8. Grantee Type _____ State, _____ County, <input checked="" type="checkbox"/> City, _____ Other (Specify)			
9. Type of Application or Request <input checked="" type="checkbox"/> New Grant, _____ Continuation, _____ Supplement, _____ Other Changes (Specify)			
10. Type of Assistance <input checked="" type="checkbox"/> Grant, _____ Loan, _____ Other (Specify)			
11. Population Directly Benefiting from the Project 9100		13. Length of Project 9 Months	
12. Congressional District a. First		14. Beginning Date Nov. 15, 1975	
b. First		15. Date of Application Oct. 1, 1975	
16. The applicant certifies that to the best of his knowledge and belief the data in this application are true and correct, and that he will comply with the attached assurances if he receives the grant. The applicant agrees that if a grant is awarded on the basis of this application or any revision or amendment thereof, it will comply with all applicable statutory provisions and with the applicable terms, conditions, and procedures of the Environment Protection Agency grant regulations (40 CFR Chapter 1, Subchapter B) and of the grant agreement.			
Typed name Jack C. Nulsen, Jr.		Title Mayor	
Signature of Authorized Representative 		Telephone Number	
		Area Code 503	Number 538 9421
		Ext. 30	
For Federal Use Only			

PART II

PROJECT APPROVAL INFORMATION
SECTION A

Item 1.

Does this assistance request require State, local, regional, or other priority rating? Yes No

Name of Governing Body Dept. of Env. Quality
Priority Rating _____

Item 2.

Does this assistance request require State, or local advisory, educational or health clearances? _____ Yes No (Attach Documentation)

Name of Agency or Board _____

Item 3.

Does this assistance request require clearinghouse review (Attach Comments) in accordance with OMB Circular A-95? Yes No

Reviews to be submitted when available

Item 4.

Does this assistance request require State, local, regional or other planning approval? Yes No

Name of Approving Agency Council of Gov.
Date pending

Item 5.

Is the proposed project covered by an approved comprehensive plan? Yes No

Check one: State
Local
Regional

Location of plan _____

Item 6.

Will the assistance requested serve a Federal installation? _____ Yes No

Name of Federal Installation _____
Federal Population benefiting from Project _____

Item 7.

Will the assistance requested be on Federal land or installation? _____ Yes No

Name of Federal Installation _____
Location of Federal Land _____
Percent of Project _____

Item 8.

Will the assistance requested have an impact or effect on the environment? _____ Yes No

See instruction for additional information to be provided.

Item 9.

Has the project for which assistance is requested caused, since January 1, 1971, or will it cause, the displacement of any individual, family, business, or farm? _____ Yes No

Number of:
Individuals _____
Families _____
Businesses _____
Farms _____

Item 10.

Is there other related Federal assistance on this project previous, pending, or anticipated? _____ Yes No

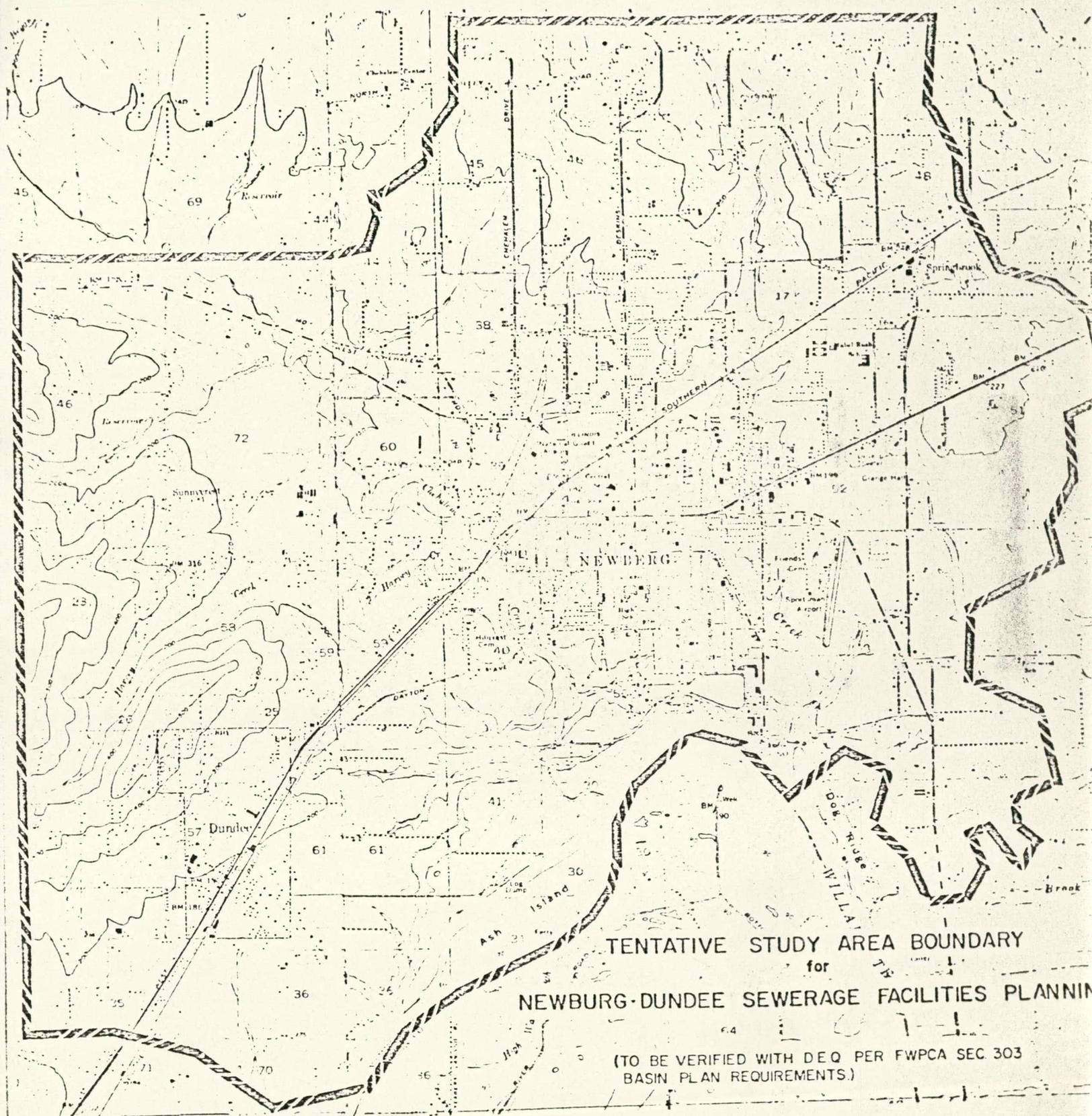
See instructions for additional information to be provided.

INSTRUCTION

PART II - SECTION B

<p>11. SITES AND IMPROVEMENTS: <input checked="" type="checkbox"/> Not required, _____ Attached as exhibits Applicant intends to acquire the site through: _____ Eminent domain, _____ Negotiated purchase, _____ Other means (specify)</p>
<p>12. TITLE OR OTHER INTEREST IN THE SITE IS OR WILL BE VESTED IN: <input checked="" type="checkbox"/> Applicant, _____ Agency or institution operating the facility, _____ Other (specify)</p>
<p>13. INDICATE WHETHER APPLICANT/OPERATOR HAS: N/A for Step I _____ Fee simple title, _____ Leasehold interest, _____ Other (specify)</p>
<p>14. IF APPLICANT/OPERATOR HAS LEASEHOLD INTEREST, GIVE THE FOLLOWING INFORMATION: a. Length of lease or other estate interest _____, and number of years to run _____ b. Is lease renewable? _____ Yes _____ No c. Current appraised value of land \$ _____ N/A for Step I d. Annual rental rate \$ _____</p>
<p>15. ATTACH AN OPINION FROM ACCEPTABLE TITLE COUNSEL DESCRIBING THE INTEREST APPLICANT/OPERATOR HAS IN THE SITE AND CERTIFYING THAT THE ESTATE OR INTEREST IS LEGAL & VALID N/A</p>
<p>16. WHERE APPLICABLE, ATTACH SITE SURVEY, SOIL INVESTIGATION REPORTS AND COPIES OF LAND APPRAISALS.</p>
<p>17. WHERE APPLICABLE, ATTACH CERTIFICATION FROM ARCHITECT ON THE FEASIBILITY OF IMPROVING EXISTING SITE TOPOGRAPHY. N/A</p>
<p>18. ATTACH PLOT PLAN. See map of planning area</p>
<p>19. CONSTRUCTION SCHEDULE ESTIMATES: _____ Not required, <input checked="" type="checkbox"/> Being prepared, _____ Attached as exhibits Percentage of completion of drawings and specifications at application date: Schematics _____ % Preliminary _____ % Final _____ %</p>
<p>20. TARGET DATES FOR: N/A for Step I Bid Advertisement _____ Contract Award _____ Construction Completion _____ Occupancy _____</p>
<p>21. DESCRIPTION OF FACILITY: _____ Not Required <input checked="" type="checkbox"/> Attached as exhibits Drawings - Attach any drawings which will assist in describing the project. Specifications - Attach copies of completed outline specifications. See plan of study <i>(If drawings and specifications have not been fully completed, please attach copies or working drawings that have been completed.)</i></p>

NOTE: ITEMS ON THIS SHEET ARE SELF-EXPLANATORY; THEREFORE, NO INSTRUCTIONS ARE PROVIDED.



TENTATIVE STUDY AREA BOUNDARY
for
NEWBURG-DUNDEE SEWERAGE FACILITIES PLANNING

(TO BE VERIFIED WITH DEQ PER FWPCA SEC 303
BASIN PLAN REQUIREMENTS.)

PART III – BUDGET INFORMATION – CONSTRUCTION

SECTION A – GENERAL

1. Federal Domestic Assistance Catalog No. 66.413
 2. Functional or Other Breakout Step I

SECTION B – CALCULATION OF FEDERAL GRANT

Cost Classification	Use only for revisions		Total Amount Required
	Latest Approved Amount	Adjustment + or (-)	
1. Administration expense	\$	\$	\$
2. Preliminary expense <u>Engineering</u>			24,250
3. Land structures, right-of-way			
4. Architectural engineering basic fees			
5. Other architectural engineering fees			
6. Project inspection fees			
7. Land development			
8. Relocation Expenses			
9. Relocation payments to Individuals and Businesses			
10. Demolition and removal			
11. Construction and project improvement			
12. Equipment			
13. Miscellaneous			
14. Total (Lines 1 through 13)			24,250
15. Estimated Income (if applicable)			
16. Net Project Amount (Line 14 minus 15)			24,250
17. Less: Ineligible Exclusions			
18. Add: Contingencies			
19. Total Project Amt. (Excluding Rehabilitation Grants)			24,250
20. Federal Share requested of Line 19			18,188
21. Add Rehabilitation Grants Requested (100 Percent)			
22. Total Federal grant requested (Line 20 & 21)			18,188
23. Grantee share			6,002
24. Other shares			-
25. Total project (Lines 22, 23 & 24)	\$	\$	\$ 24,250

SECTION C – EXCLUSIONS

Classification	Ineligible for Participation (1)	Excluded from Contingency Provision (2)
26		
a.	\$	\$
b.		
c.		
d.		
e.		
f.		
g. Totals	\$	\$

SECTION D – PROPOSED METHOD OF FINANCING NON-FEDERAL SHARE

27. Grantee Share	\$ 6,062
a. Securities	
b. Mortgages	
c. Appropriations (By Applicant)	6,062
d. Bonds	
e. Tax Levies	
f. Non Cash	
g. Other (Explain)	
h. TOTAL – Grantee share	6,062
28. Other Shares	
a. State	
b. Other	
c. Total Other Shares	
29. TOTAL	\$ 6,062

SECTION E – REMARKS

COMPLIANCE REPORT

(Title VI, Civil Rights Act of 1964 and Section 13, Federal Water Pollution Control Act, As Amended)

Form Approved
OMB No. 158-R0034

NOTE: READ INSTRUCTIONS ON REVERSE BEFORE COMPLETING FORM.

I. A. APPLICANT (Name and State)

City of Newberg

B. PROJECT NO.
C-410495
C-410495

II. IF ENTIRE POPULATION IN THE APPLICANT'S JURISDICTION IS SERVED NOW BY TREATMENT SYSTEM OR WILL BE UPON COMPLETION OF PROPOSED EPA GRANT PROJECT AND ON-GOING ASSOCIATED CONSTRUCTION, CHECK HERE

III. COMPLETE THE FOLLOWING ONLY IF ABOVE BLOCK IS NOT CHECKED

A. SUBMIT A MAP WHICH DELINEATES THE APPLICANT'S:

1. GEOGRAPHICAL JURISDICTION FOR PROVISION OF TREATMENT SYSTEM SERVICE;
2. EXISTING TREATMENT SYSTEM COVERAGE;
3. CONSTRUCTION PROPOSED UNDER EPA GRANT PROJECT AND ANY ON-GOING ASSOCIATED CONSTRUCTION;
4. AREAS OF PLANNED FUTURE TREATMENT SYSTEM CONSTRUCTION.

B. COMPLETE THE TABLE BELOW:

POPULATION CATEGORY	1. PRESENT POPULATION OF APPLICANT	2. POPULATION PRESENTLY SERVED	3. ADDITIONAL POPULATION TO BE SERVED BY THIS PROJECT	4. POPULATION REMAINING TO BE SERVED AFTER THIS PROJECT IS COMPLETED
AMERICAN INDIAN				
CHINESE, FILIPINO, JAPANESE				
NEGRO/BLACK				
SPANISH DESCENT				
WHITE				
OTHER				
TOTAL				

C. GIVE THE SCHEDULE FOR FUTURE CONSTRUCTION BY WHICH TREATMENT SYSTEM SERVICE WILL BE PROVIDED TO ALL INHABITANTS WITHIN APPLICANT'S JURISDICTION.

D. IS ANOTHER FEDERAL AGENCY BEING ASKED TO PROVIDE FINANCIAL ASSISTANCE TO ANY CONSTRUCTION ASSOCIATED WITH THIS PROJECT? YES NO

1. IF "YES" LIST THE OTHER FEDERAL AGENCY(S)

2. DESCRIBE THE ASSOCIATED WORK

CERTIFICATION

IV. I certify that the information given above is true and correct to the best of my knowledge or belief. (A willfully false statement is punishable by law - U.S. Code, Title 18, Section 1001)

A. SIGNATURE OF AUTHORIZED OFFICIAL

B. TITLE OF AUTHORIZED OFFICIAL

C. DATE

Mayor

Oct. 7, 1975

FOR U.S. ENVIRONMENTAL PROTECTION AGENCY

DIRECTOR, DIVISION OF CIVIL RIGHTS AND URBAN AFFAIRS

DATE

APPROVED DISAPPROVED

Resolution No. 75-577

WHEREAS, the City of Newberg and the City of Dundee desire to apply for sewage works project grants from the Department of Environmental Quality of the State of Oregon, and the Federal Environmental Agency for the purpose of conducting a regional area sewage treatment facility feasibility study; and

WHEREAS, both of said Cities have agreed that Westech Engineering, Inc, of Salem, Oregon is to conduct the study; and

WHEREAS, it is necessary that one of the parties act as applicant for both the purpose of obtaining financial assistance from State and Federal Agencies, and executing an agreement with Westech Engineering, Inc. to provide the study; and

WHEREAS, The City of Dundee has passed a resolution authorizing the City of Newberg to act for both cities in executing such documents for both of the parties as may be required for the purpose of applying for and obtaining necessary funding; and

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City as follows, to-wit;

1. That the City of Newberg shall act ~~for the City of Newberg~~ and the City of Dundee in executing an agreement with Westech Engineering, Inc. for the conduct of a regional area sewage treatment facility feasibility study.

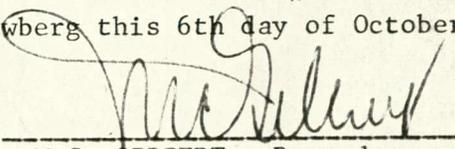
2. That the City of Newberg shall act for both cities in applying and obtaining grants from the Department of Environmental Quality of the State of Oregon and the Federal Environmental Protection Agency for the cost of sewage facility study.

3. The Mayor and Finance Officer of the City of Newberg shall have the authority to execute such documents for both of the cities as may be required for the purpose of applying for said sewage works project grants.

4. The Mayor and Finance Officer are authorized to execute agreement with the City of Dundee, whereby the City of Newberg shall act on behalf of both cities in executing all agreements and documents necessary to the funding, applications and Engineering study of the sewage facility feasibility study.

5. The Mayor and Finance Officer of the City of Newberg shall have the authority to enter into an agreement with Westech Engineering, Inc. for the conduct of the regional area sewage treatment facility feasibility study.

ADOPTED by the Council of the City of Newberg this 6th day of October, 1975.



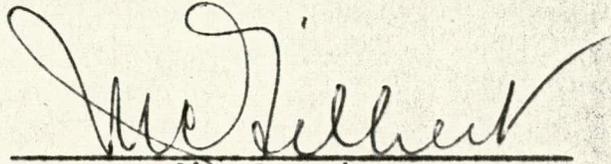
M.C. GILBERT - Recorder

CERTIFICATION

STATE OF OREGON)
County of Yamhill) ss
City of Newberg)

I, M. C. GILBERT, the duly appointed and acting Recorder of the City of Newberg, Yamhill County, State of Oregon, do hereby certify that the foregoing Resolution #75-577, of the City of Newberg, is a true and correct copy of the said Resolution and the whole thereof, and the same appears of record in my possession and control in the records and files of the said City of Newberg, Oregon.

DATED at Newberg, Oregon this 7th day of October, 1975.



City Recorder

To - Mayor Nelson ✓
City of Dundee ✓



Westech Engineering, Inc.

CONSULTING ENGINEERS AND PLANNERS

PRINCIPALS
C. H. STEKETEE, P.E.
H. C. FERRIS, P.E.

200 Lancaster Drive S.E.
SALEM, OREGON 97301

Telephone 585-2474

RECEIVED
AUG 26 1975
CITY OF NEWBERG, ORE.
OFFICE OF RECORDER

August 25, 1975

City of Newberg
414 East 1st Street
Newberg, Oregon 97132

Re: Newberg-Dundee Regional Sewer Plan, Job Order #418

Attention: Mr. M. C. Gilbert, Finance Officer

Dear Mr. Gilbert:

We learned from the Department of Environmental Quality early in July that the Newberg-Dundee Regional Sewer Plan would not be financed by a DEQ loan as has been promised by DEQ for some time. We understand that the letter will be coming from the Department of Environmental Quality to the City indicating that the City should apply for Step 1 grant financing through the Environmental Protection Agency. A draft of the letter was read to me some time ago, but for some reason or another, it has not yet been sent to the City. Presumably, the City will receive a letter indicating that loan financing through DEQ will not be available and that grant funding through EPA should be sought.

If an application for grant funding through EPA were prepared and submitted immediately, because of the need for clearinghouse approval, etc. it would probably be November before any work on the facilities plans could be authorized. Apparently, the start of the planning process, therefore, will be delayed approximately six months from the previously anticipated starting date. Because of this significant delay, the planning work probably cannot be completed until approximately August of 1976.

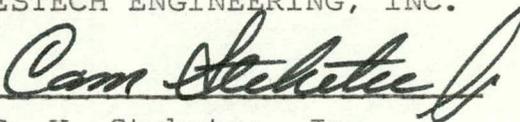
We recommend the following course of action:

1. Upon receipt of the anticipated letter from DEQ, please notify us.
2. A meeting with the joint Sewer Committee should be scheduled. At that meeting we would present the application and documents required for application to EPA, would discuss the documents with the Committee and would help establish a course of action for future work on the project.

Please don't hesitate to call if you have any questions.

Very truly yours,

WESTECH ENGINEERING, INC.



C. H. Steketee, Jr.

CHS/ah

CC: Russ Fetrow
DEQ, Salem



Westech Engineering, Inc.

CONSULTING ENGINEERS AND PLANNERS

PRINCIPALS
C. H. STEKETEE, P.E.
H. C. FERRIS, P.E.

200 Lancaster Drive S.E.
SALEM, OREGON 97301

Telephone 585-2474

RECEIVED

JUL 3 1975

July 2, 1975

CITY OF NEWBERG, OREGON
OFFICE OF RECORDER

City of Newberg
414 East First Street
Newberg, Oregon 97132

Re: Newberg/Dundee Regional Sewer Plan, Job Order #418

Attention: Mr. M. C. Gilbert, Finance Officer

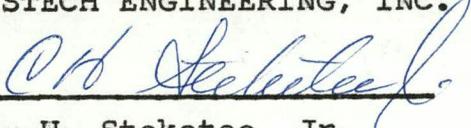
Dear Mr. Gilbert:

The letter from EPA dated June 26th (copy attached) gives approval to the work plan for the regional sewer study. As soon as financing through DEQ is assured, we assume that we should proceed with the engineering and planning work. Perhaps you could advise us as to the status of the financing and whether we should begin this project or not.

We see no problem in complying with the first three suggestions offered by EPA in the June 26th letter, and will see that those suggestions are followed. The fourth suggestion deals with an agreement between Newberg and Dundee. It is our understanding that such an agreement is in existence and that the agreement delineates the responsibility of each City. We don't have a copy of that agreement. If you would be good enough to send us a copy of the inter-city agreement, we would discuss its contents with Bill Sobolewski at EPA to see if it will meet their requirements.

Very truly yours,

WESTECH ENGINEERING, INC.


C. H. Steketee, Jr.

CHS/ah

Encl: Noted

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

OREGON OPERATIONS OFFICE

1234 S.W. MORRISON STREET

PORTLAND, OREGON 97205



REPLY TO 10000
ATTN OF:

JUN 26 1975

Re: Newburg-Dundee
Plan of Study

Honorable Jack C. Nulsen, Jr.
City Hall
Newburg, Oregon 97132

Dear Mayor Nulsen:

We have reviewed the Plan of Study for the Cities of Newburg and Dundee, and we hereby give it our approval.

We are pleased to note that the proposal appears to emphasize public participation, especially prior to final plan selection. We do have a couple of suggestions regarding the environmental assessment which may be of some assistance to you:

1. The planning area encompasses a rather large region, with substantial acreages of vacant land. Because of the potential for significant land use changes resulting from construction of an area-wide sewerage system, the Facilities Plan should carefully evaluate all secondary impacts of the alternatives and selected plan.
2. The population projections utilized for design should be based on more than saturation of the area under existing zoning densities. Past trends, economic forecasts, migration rates, etc. should be used so as to attain the most accurate estimate possible.
3. Please notify EPA two weeks in advance of any public hearing.
4. An agreement should be drawn up between the communities of Newburg and Dundee which delineates the lead governmental entity during Step 1-Facilities Planning and specifies the extent of involvement of each community. Arrangements for financing of the local share of the Step 1 costs should also be discussed. This agreement should be submitted with the Step 1 grant application.

If you have any questions please call Alan Goodman or Lee Aronson at 221-3250.

Sincerely,

William J. Sobolewski

William J. Sobolewski
Project Coordinator

cc: DEQ
Westech Engr.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

OREGON OPERATIONS OFFICE

1234 S. W. MORRISON STREET

PORTLAND, OREGON 97205



REPLY TO 10000
ATTN OF:

JUN 26 1975

RECEIVED
JUN 27 1975
CITY OF NEWBURG, ORE.
OFFICE OF RECORDER

Re: Newburg-Dundee
Plan of Study

Honorable Jack C. Nulsen, Jr.
City Hall
Newburg, Oregon 97132

Dear Mayor Nulsen:

We have reviewed the Plan of Study for the Cities of Newburg and Dundee, and we hereby give it our approval.

We are pleased to note that the proposal appears to emphasize public participation, especially prior to final plan selection. We do have a couple of suggestions regarding the environmental assessment which may be of some assistance to you:

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Sincerely,

William J. Sobolewski

William J. Sobolewski
Project Coordinator

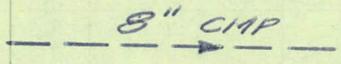
cc: DEQ
Westech Engr.

NEUBERG DRAINAGE PLAN

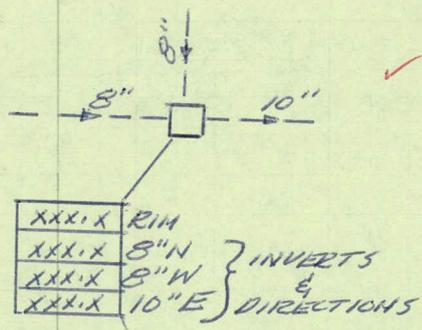
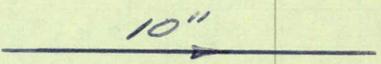
FACILITIES LEGEND TO BE USED FOR FIELD INVENTORY & MAPPING (ALL)

EXISTING

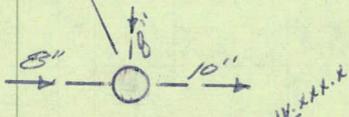
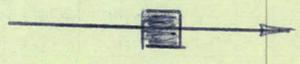
PROPOSED



STORM SEWER W/SIZE
FLOW DIRECTION, & TYPE
IF OTHER THAN CONCRETE
CMP - CORRUGATED METAL PIPE
W - WOOD
S - STEEL
P - PLASTIC OR ADS
✓ C - Concrete

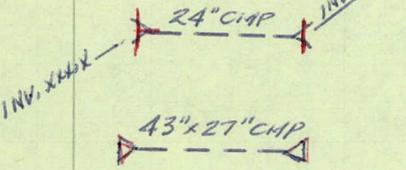
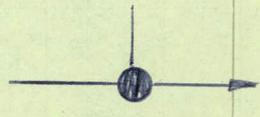


CATCH BASIN ✓



ELEVATION DATA
RIM & INVERTS
FOR CB'S & MH'S

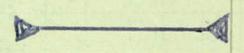
MANHOLE ✓



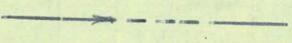
CULVERT
W/SIZE & TYPE ✓



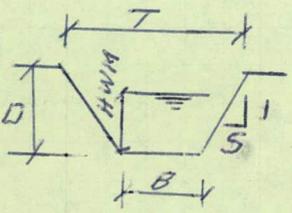
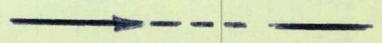
CULVERT PIPE ARCH
W/SIZE (SPAN X RISE) ✓



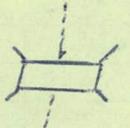
DRAINAGE WAY ✓
EXISTING - NATURAL CREEK OR SWALE
PROPOSED - IMPROVED ON LOCATION



DITCH ✓
EXISTING - MANMADE
PROPOSED - NEW OR IMPROVED ON LOCATION



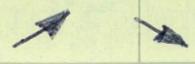
✓ CHANNEL CHARACTERISTICS
B = BOTTOM WIDTH
D = DEPTH TO AVERAGE BANK
S = SIDE SLOPES - HORIZ. TO 1 VERT
T = TOP WIDTH
H.W.M. - HIGH WATER - MAX DEPTH FLOW



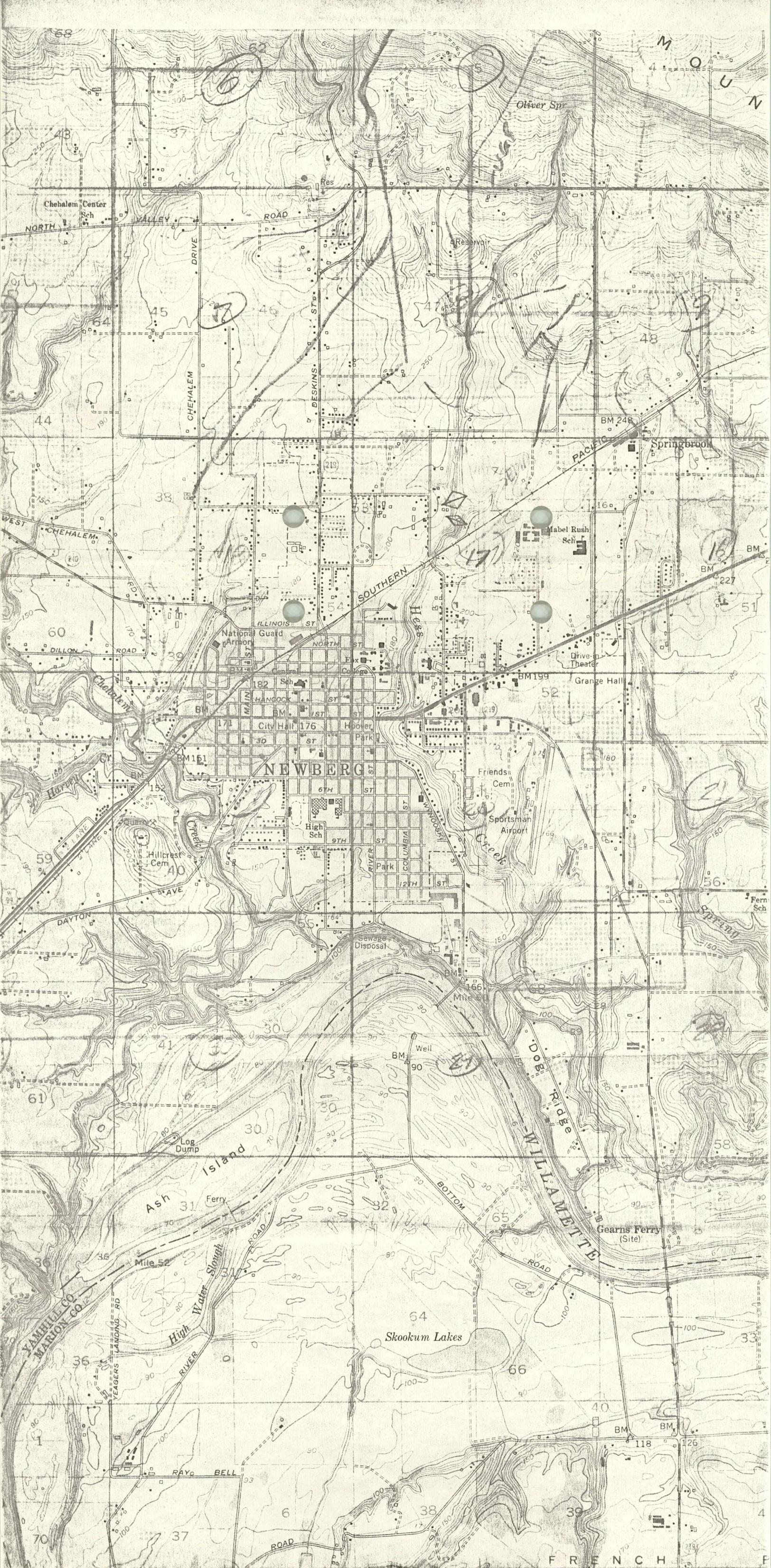
✓ BRIDGE
NOTE CLEAR WATERWAY DIMENSIONS

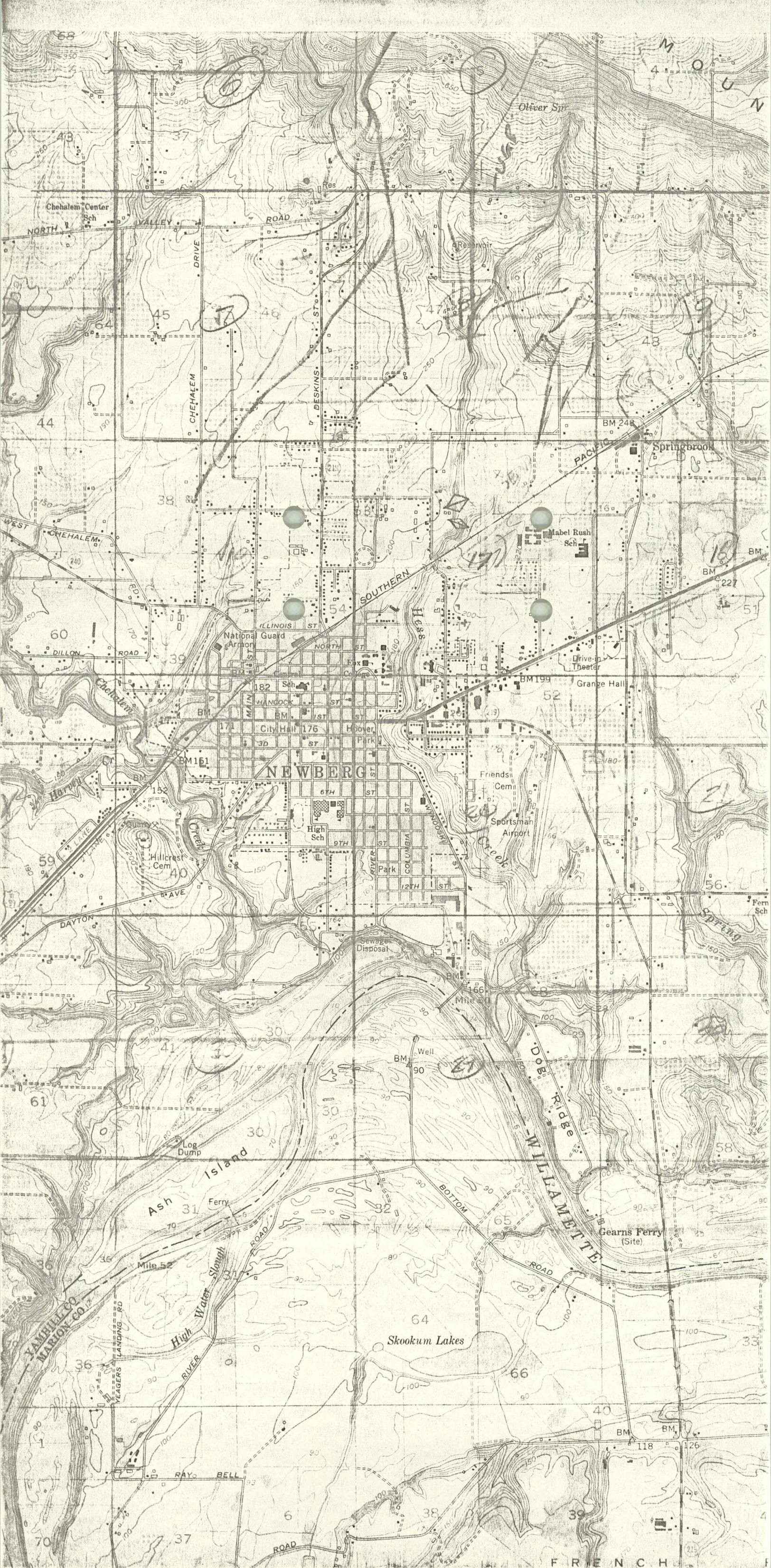


✓ DRAINAGE DIRECTION



Elev's To 0.10'





M O U N T A I N

Oliver Spr

Chehalie Center Sch
VALLEY ROAD

CHEHALEM DRIVE

17

48

Springbrook

PACIFIC

Mabel Rush Sch

18

SOUTHERN

National Guard Armory

ILLINOIS ST
NORTH ST

Drive-in Theater

Grange Hall

NEWBERG

Friends Cem

Sportsman Airport

Hillcrest Cem

High Sch

HOOPER PARK

WILLAMETTE CREEK

21

Sewage Disposal

Well

22

Ash Island

Ferry

High Water Slough

RIVER

Slough

WILLAMETTE RIVER

Gearns Ferry (Site)

Skookum Lakes

YAMHILL CO
MARION CO

VEAGERS LANDING

RAY BELL

FRENCH

CITY OF NEWBERG

414 EAST FIRST STREET

TELEPHONE 538-9421

NEWBERG, OREGON 97132



June 9, 1975

Department of Environmental Quality
1234 S.W. Morrison St.
Terminal Sales Building
Portland, OR 97205

Re: Newberg-Dundee Regional Sewer Study

Attention: Mr. Pat Curran

Dear Mr. Curran:

Enclosed you will find the following:

1. Two copies of a Loan Agreement between the City of Newberg and the Department of Environmental Quality. This agreement has been signed by the City and awaits execution by your Department.
2. Two copies of an Engineering Agreement between the City of Newberg and Westech Engineering, Inc. of Salem, Oregon. This Agreement is for engineering services in connection with the facilities planning work.
3. Two copies of the original Westech Proposal for the planning work together with their proposed work plan. The Proposal and work plan are a part of the Engineering Contract.

We request from your Department the following:

1. One copy of the Loan Agreement executed by the Department of Environmental Quality.
2. Approval of the contract between the City and Westech Engineering.
3. Approval of the Engineer's work plan.

As soon as these matters have been resolved, the Engineers are prepared to begin their work.

Very truly yours,

M. C. Gilbert
Finance Officer

MCG:bb



Westech Engineering, Inc.

CONSULTING ENGINEERS AND PLANNERS

PRINCIPALS
C. H. STEKETEE, P.E.
H. C. FERRIS, P.E.

200 Lancaster Drive S.E.
SALEM, OREGON 97301

Telephone 585-2474

June 2, 1975

RECEIVED
JUN 9 1975
CITY OF NEWBERG, ORE.
OFFICE OF RECORDER

City of Newberg
144 East 1st Street
Newberg, Or. 97123

Re: Newberg-Dundee Regional Sewerage Study, Job Order #418

Attention: Mr. M. C. Gilbert, Finance Officer

Dear Mr. Gilbert:

Thank you for the note regarding the Loan Agreement form. Yes, we believe the enclosed Loan Agreement form should be executed and sent back to the Department of Environmental Quality. We suggest that you send to the Department of Environmental Quality, 1234 Terminal Sales Building, S. W. Morrison St., Portland, Oregon 97205, attention Mr. Pat Curran the following items:

1. Two copies of the signed Loan Agreement filled in as indicated on the attached copy.
2. Two copies of the Engineering Agreement enclosed.
3. Two copies of the Engineering Proposal and Work Plan.
4. A letter on City stationery similar to the draft letter enclosed.

If you will send these materials to Mr. Curran, we will follow up with Pat to see that this matter is resolved.

Very truly yours,

WESTECH ENGINEERING, INC.

C. H. Steketee, Jr.

CHS/ah

Encl: Noted

May 8 ,1975

Mr. Pat D. Curran
Water Quality Division
Department of Environmental Quality
1234 SW Morrison St.
Portland, OR 97205

Re: Newberg-Dundee Regional Sewage Facilities Study

Dear Mr. Curran:

Herewith please find three copies of contract for Sewerage facilities planning to be made by Westech Engineering, Inc., and a certified copy of Resolution No. 75-562 adopted by the City of Newberg, May 5, 1975.

Sincerely,

M. C. Gilbert
Finance Officer

MCG:bb

WHEREAS, the City of Newberg and the City of Dundee desire to apply for a loan from the Department of Environmental Quality of the State of Oregon, and the Federal Environmental Agency for the purpose of conducting a regional area sewage treatment facility feasibility study; and

WHEREAS, both of said Cities have agreed that Westech Engineering, Inc., of Salem, Oregon is to conduct the study; and

WHEREAS, it is necessary that one of the parties act as applicant for both for the purpose of obtaining financial assistance from State and Federal Agencies, and executing an agreement with Westech Engineering, Inc. to provide the study; and

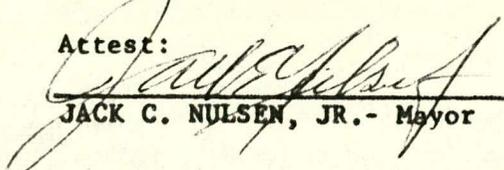
WHEREAS, The City of Dundee has passed a resolution authorizing the City of Newberg to act for both cities in executing such documents for both of the parties as may be required for the purpose of applying for and obtaining necessary funding; and

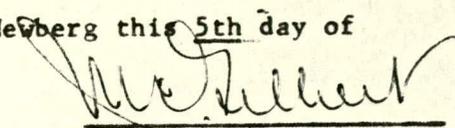
NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Newberg as follows, to-wit:

1. That the City of Newberg shall act for the City of Newberg and the City of Dundee in executing an agreement with Westech Engineering, Inc. for the conduct of a regional area sewage treatment facility feasibility study.
2. That the City of Newberg shall act for both cities in applying and obtaining a loan from the Department of Environmental Quality of the State of Oregon and the Federal Environmental Protection Agency for the cost of sewage facility study.
3. The Finance Officer of the City of Newberg shall have the authority to execute such documents for both of the cities as may be required for the purpose of applying for said loans.
4. The Mayor and Finance Officer are authorized to execute agreement with the City of Dundee, whereby the City of Newberg shall act on behalf of both cities in executing all agreements and documents necessary to the funding, applications and Engineering study of the sewage facility feasibility study.
5. The Mayor and Finance Officer of the City of Newberg shall have the authority to enter into an agreement with Westech Engineering, Inc. for the conduct of the regional area sewage treatment facility feasibility study.

ADOPTED by the Council of the City of Newberg this 5th day of May, 1975.

Attest:


JACK C. NULSEN, JR.- Mayor


M. C. GILBERT-Recorder

This agreement entered into this 5 day of May, 1975, by and between the CITY OF NEWBERG, a municipal corporation of the state of Oregon, and the CITY OF DUNDEE, a municipal corporation of the state of Oregon.

(9)

WHEREAS, both cities have entered into an agreement with WESTECH ENGINEERING, INC. for the conduct of a regional area sewage treatment facility feasibility study, and

WHEREAS, both cities desire to apply for a loan from the Department of Environmental Quality of the State of Oregon and the Federal Environmental Protection Agency for the Cost thereof, and

WHEREAS, it is necessary that one of the parties act as applicant for both for the purpose of obtaining such financial assistance, and

WHEREAS, the city councils of both cities have agreed that the City of Newberg should act to apply for such funds on behalf of both cities, it is

AGREED: The CITY OF NEWBERG shall act for the cities of Newberg and Dundee in such application, and the finance officer of the CITY OF NEWBERG shall have authority to execute such documents for both of the parties as may be required for the purpose of applying for and obtaining such loan.

DONE by authority of the city councils of the aforesaid cities.

CITY OF NEWBERG

By: [Signature]
Mayor
By: [Signature]
Finance Officer

CITY OF DUNDEE

By: [Signature]
Mayor
By: [Signature]
Recorder

EXHIBIT A

ENGINEERING PROJECT FOR CITY OF NEWBERG

1. Preparation of facilities planning information for expansion of sewage treatment capabilities within a regional sewerage service concept for the cities of Newberg and Dundee as set forth in Title II regulations, Section 35.917 to 35.917-9, FWPCA Amendments of 1972 (PL 92-500), published in the Federal Register February 11, 1974, including completion of infiltration/inflow analysis documentation in accordance with Section 35.927 and 35.927-1 and preparation of an adequate environmental assessment of the alternatives for treatment.

CITY OF DUNDEE

HIGHWAY 99W

DUNDEE, OREGON

P.O. BOX 201

PHONE: 538-3922

April 29, 1975

Mr. Merlin Gilbert, Recorder
City of Newberg
Newberg, Oregon 97132

Dear Mr. Gilbert:

Enclosed is the signed agreement which you submitted for Mayor Jack Crabtree's and my signatures.

Following is an excerpt from the April 22, 1975 minutes of an adjourned meeting of the Dundee City Council:

"Council member John Koller moved and Council member Bill Hughes seconded the motion that the following resolution be adopted.

Motion carried:

Be it resolved that Mayor Jack Crabtree and Recorder Margaret Miller be authorized to sign the agreement with the City of Newberg regarding the application for funds for the regional sewer study, which was passed through this Council in the form of a resolution in the January 21, 1975 Council meeting minutes" We have signed two copies of this agreement and would like to have a copy returned for our records.

Thanks.

Very truly yours,

Margaret Miller

Margaret Miller, Recorder

Enc.



Westech Engineering, Inc.

CONSULTING ENGINEERS AND PLANNERS

PRINCIPALS
C. H. STEKETEE, P.E.
H. C. FERRIS, P.E.

200 Lancaster Drive S.E.
SALEM, OREGON 97301

April 25, 1975

RECEIVED

Telephone 585-2474

APR 29 1975

Mr. M. C. Gilbert, Finance Officer
City of Newberg
414 E. First Street
Newberg, Oregon 97132

CITY OF NEWBERG, ORE
OFFICE OF RECORDER

Re: Newberg-Dundee Sewage Facilities Planning, Job Order #418

Dear Mr. Gilbert:

We are very gratified that your selection committee selected our firm for the facilities planning work and we are enthusiastic about this project.

As requested, we have contacted Mr. Pat Curren at the Department of Environmental Quality and have discussed your project with him. As you know, the City has at least two choices available for outside funds for financing the facilities planning work. You can borrow the money from the Department of Environmental Quality at 6% annual interest with repayment to be made within two years after completion and acceptance of the facilities plan. The other option would be to apply for and secure a step 1 grant from the Department of Environmental Quality.

We encourage you to pursue financing through the Department of Environmental Quality for the following reasons:

1. The funds should be available at an earlier date.
2. The application procedure is much less involved than pursuing grant funds through EPA. An application for grant funds from EPA involves a rather extensive application procedure, the need for Clearing House approvals, and the rather good possibility of an extensive delay prior to the granting of funds. This could conceivably set the whole planning project back as much as one year in time.

In either case it will be necessary to submit to DEQ for review and approval an executed engineering contract and a detailed work plan for the facilities planning operation. You will find enclosed six copies of a proposed contract together with our proposal to you which includes an outline of the work to be done and a work plan. If you find the contract acceptable, we suggest that you sign all copies returning one copy to this office, sending three copies to

the Department of Environmental Quality to the attention of Mr. Pat Curren and retaining one copy each for the City of Newberg and the City of Dundee.

If you have any questions regarding the contracts, etc., please don't hesitate to call us. We would also be available to discuss with you the details of project financing and would be happy to help with an application to either DEQ or EPA when you have decided which source of funds to pursue.

Very truly yours,

WESTECH ENGINEERING, INC.

CH Steketee Jr.

C. H. Steketee, Jr.

CHS/ah

CONTRACT

Date April 25, 1975 (8)

TO The City of Newberg, Oregon

Gentlemen:

Westech Engineering, Inc. hereby proposes to furnish all materials and perform all labor necessary to complete

A Facilities Plan for a regional sewer system serving Newberg and Dundee in accordance with the attached proposal and work plan submitted on February 26, 1975. Unless sewer system rehabilitation is found to be cost effective and a Sewer System Evaluation becomes necessary, the Facilities Plan shall be completed by March 15, 1976.

All of the above work is to be completed in a substantial and workmanlike manner according to standard practices, and for the fees as set forth below.

Time and Materials Basis at the following rates:

Registered Engineer	\$22.00/hr.	2-Man Survey Crew	\$23.00/Hr.
Engineer	\$16.00/hr.	Draftsman	\$12.00/hr.
Technician	\$12.00/hr.	Clerical	\$ 6.00/hr.

Mileage at \$0.15/mile
Printing at Cost
Outside Services at Cost

Payments are to be made monthly as the work progresses. The entire amount of contract is to be paid within 60 days after completion of the Facilities Plan but shall not exceed \$24,250.

Any alteration or deviation from the work plan involving extra cost of material or labor will only be executed upon written orders for same, and will become an extra charge over the sum mentioned in this contract. All agreements must be made in writing.

Respectfully submitted,
WESTECH ENGINEERING, INC.

BY *CH. [Signature]*

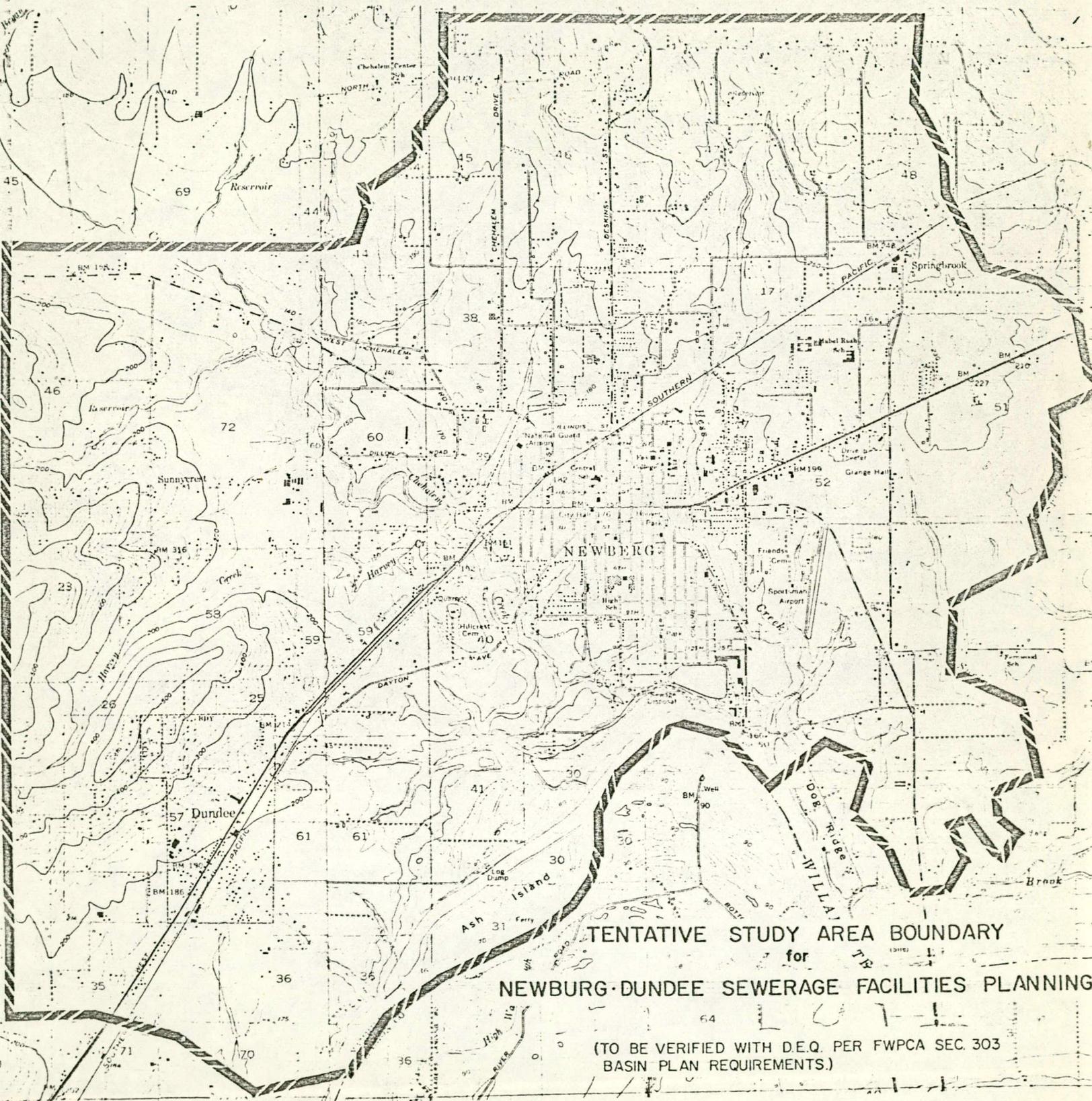
A C C E P T A N C E

You are hereby authorized to furnish all materials and labor required to complete the work mentioned in the attached proposal and work plan for which The City of Newberg agrees to pay the amounts mentioned, according to the terms stipulated above.

ACCEPTED

City of Newberg
Date May 7, 1975

By *[Signature]*
Mayor
[Signature]
Finance Officer
Title



TENTATIVE STUDY AREA BOUNDARY
for
NEWBERG-DUNDEE SEWERAGE FACILITIES PLANNING

(TO BE VERIFIED WITH D.E.Q. PER FWPCA SEC. 303
BASIN PLAN REQUIREMENTS.)

February 27, 1975

PROPOSAL
to the
CITIES OF NEWBERG AND DUNDEE
for
SEWERAGE FACILITIES PLANNING

Westech Engineering, Inc. hereby proposes to accomplish the following work considered necessary for the successful development of sewerage facilities plans for the Cities of Newberg and Dundee.

Work shall cover as a minimum, the 15 requirements listed in the February 21 request for engineering proposals as addressed to our firm. In order to gain approval of the sewerage facilities plan and to ensure funding assistance, the proposed work plan is designed to fulfill current EPA requirements as well. These requirements are outlined in the "Guidance of Facilities Planning". They include assessment of environmental effects and provisions for public input. The planning area will include all land within an established Newberg-Dundee regional basin boundary.

The following work plan is organized into chronological steps which we have found to be efficient for the sewerage facilities planning process. Estimates of planning time requirements and costs are presented thereafter.

Section A - General Planning

1. Verify planning area boundaries for consistency with pending basin plans and environmental assessment needs. Coordinate with areawide waste treatment management plans. (FWPCA Section 303 basin plans are not yet available).
2. Assemble and review available data relating to sewerage facilities planning. This data includes sewer system maps and drawings, existing engineering reports on systems, comprehensive and land use plans, plant records, documentation on known problem areas, infiltration records, correspondence files, etc.
3. Prepare overall map delineating study area; prepare base maps for both Newberg and Dundee sewer systems suitable for planning purposes. It is understood that Newberg will supply available topographic and aerial maps.
4. Review study plan proposed herein with Cities, DEQ and EPA. Firm up planning tasks and scheduling.
5. Make population and population distribution projections for the study area, based on comprehensive and land use plans.
6. Estimate both municipal and industrial sewage flows for each sub-basin area, under present conditions and at the end of the design period.

Section B - Preliminary Analyses of Sewage Treatment Facilities

1. Coordinate planning effort with work underway by DEQ and COG. Establish secondary treatment and best possible water treatment technology (BPWTT) requirements meeting EPA criteria for effluent limitations and point loadings. Investigate pollution abatement needs for further treatment of overflow loads. Identify and set forth other local environmental and water management goals.
2. Analyze adequacy of existing sewage treatment facilities for both Cities. Evaluate treatment plants with respect to performance, operational problems, operating facilities and personnel, effluent and sludge disposal procedures, and testing and maintenance programs.
3. Determine present and future sewage plant loadings. Develop alternate sewage treatment facilities for the entire planning area on a tentative basis. Investigate appropriate locations and basic characteristics of alternate sewage treatment and effluent/sludge disposal facilities. Evaluate the costs and environmental impacts of these alternates for comparison purposes. Display the alternate plans.
4. Investigate the advantages/disadvantages of a regional collection and treatment system serving both Cities, and compare with separate municipal systems approach. Estimate breakover point in time when regionalization of the systems may have merit due to increased development. Estimate capital and operational costs of a regional system, and recommend on the apportioning of local costs.
5. Investigate the Dundee system to determine whether or not it is a "simple planning case". Evaluate treatment alternatives for Dundee in achieving secondary treatment requirements per 40 CFR, Part 133.
6. Evaluate the potential and costs for upgrading the Newberg treatment facility with respect to increased capacity, solids removal from contact chambers, improved clarifier skimming, and sludge disposal.

Section C - Analyses of Sewage Collection Systems

1. Examine treatment plant flow records and documentation on infiltration problems and effectiveness of on-going waste reduction measures. Confer with public works personnel, and State/Federal agency representatives. Estimate general adequacy and condition of existing collection systems. Isolate known problem areas. Set strategy for performing infiltration/inflow analyses.
2. Develop alternate sewage collection systems to serve the entire study area, on both a regional and a separate system basis. Make tentative selections for sizing and routing of alternate trunk and collector sewers, and force mains. Determine most effective lift station locations and basic pumping requirements.

Make preliminary estimates of the cost and environmental effects of the alternate collection systems. Weigh the benefits against the costs for each service area and in total.

3. Perform detailed infiltration/inflow analyses of collection systems to satisfy EPA requirements for same. Make selected dry weather flow measurements during summer of 1975; make selected wet weather infiltration/inflow measurements during winter of 1975-76. Compare wet weather to dry weather flow measurements to determine locations and extent of infiltration/inflow problems. Inventory leaking manholes and sewer lines. Determine areas of excessive infiltration/inflow. Estimate the costs of treating infiltration/inflow versus the costs of rehabilitating the sewer systems.

Determine apparent cost-effectiveness of sewer system rehabilitation measures, and proceed as follows:

- a. If system rehabilitation is cost-effective, a detailed sewer system evaluation is required as outlined under Item 4 hereinafter. At this point an interim report summarizing the findings of the preceding investigations will be prepared and submitted. Following concurrence by EPA in these findings, the sewer system evaluation work will begin.
- b. If system rehabilitation is found to be not cost-effective, the detailed sewer system evaluation is not required. Submit the findings of the investigations, and following EPA concurrence, proceed with the balance of the sewerage facilities planning.

Note that presently the consensus of all people contacted is that the Dundee collection system will probably not require detailed infiltration/inflow and sewer system evaluation work. We propose to verify this thinking through examination of plant records and selected measurements, etc., to ensure compliance with EPA guidelines.

4. Providing rehabilitation is found to be cost-effective, a detailed sewer system evaluation will be performed to satisfy the requirements of EPA's "Guidance for Sewer System Evaluation". This work includes physical surveys, rainfall simulation, preparatory cleaning, internal inspections, and a survey report. The extent of this work and associated costs are not determinable at this time, if required at all. Locate and measure excessive infiltration/inflow sources. Estimate the costs of collection system rehabilitation. Repairs which can be made on a cost-effective basis will be outlined, along with the expected reduction in infiltration/inflow and in treatment requirements. Overall capital and operational costs of alternate facility proposals will then be re-evaluated on the basis of recommended collection system repair work.

Section D - Completion of Sewerage Facilities Planning

1. Continue development and re-structuring of alternate sewage collection and treatment facility proposals. Refine construction costs, and operational and maintenance costs for each alternate. Make tentative selection of most cost-effective overall plan for the design period.
2. Evaluate the feasibility of a regional collection and treatment system for the Newberg-Dundee area, and identify the prospective wastewater management entity. Estimate cost allocations between local government units.
3. Refine and expand on previous assessments of environmental effects for each alternate system proposed.
4. Screen alternate systems and sub-systems according to the evaluation process contained in the EPA guide. Make comparative evaluations of each overall system alternative with respect to first and annual costs, environmental effects, consistency with water quality goals, operability, reliability, and flexibility. Reduce the number of alternate system proposals to several of the most promising.
5. Investigate and report on all financial considerations, including funding assistance programs and allocations of the local costs. Evaluate the municipal/industrial sewer service rate structure in both Cities, and determine equitable adjustments. Recommend measure for generating revenue to accommodate operational costs and debt retirement for each of the final system alternates proposed. Compare the alternates with respect to present worth and equivalent annual costs.
6. Report on the capabilities of the existing local government units to implement the most promising, alternate plans proposed. Investigate the feasibility of implementing any regional plan by a new agency such as a county service district, and state empowering legislation. Formulate an implementation plan and schedule for each of the final system alternates. Include phased development of improvements if appropriate.
7. Compare the alternate system plans and rank them in relation to all of the above evaluation parameters. The most promising system proposals will be adequately described and displayed in a manner suitable for public presentation. Public hearings will be held, and public input received, as a basis of final plan selection. (We will work closely with the designated steering committee all through the planning process).

8. Following selection of the final plan, the planning report will be completed as outlined in Chapter 8 of the EPA guide. The selected plan will be again refined and described in more detail by text, exhibits, and appendices. Financial requirements will be firmed up. Institutional arrangements will be reviewed and presented. A financial program and schedule for implementing the plan will be prepared. The final planning report will be prepared in 40 copies, and submitted for approval to the Cities, A-95 Clearinghouse, DEQ, and EPA.

In our considered opinion, the best interests of both Cities will be served by having all sewerage facilities planning work undertaken on a time and materials basis within a stipulated budget. This procedure provides the flexibility to make some adjustments in the scope of work if found necessary, without having to renegotiate the engineering contract. In short, this time and materials basis amounts to a days work for a days pay, and it eliminates the need for incorporating a risk factor into the proposal.

Therefore, we propose to accomplish the sewerage facilities planning work outlined herein on a time and materials basis in accordance with the following rate schedule. Our manpower and cost estimates presented hereinafter show that this work is accomplishable within the budgeted amount. We believe that this project will be most effectively served by the close attention of several key personnel who are trained in sewerage facilities planning work.

Westech Rate Schedule

Registered Engineer	- - - - -	\$22.00/hr.
Engineer	- - - - -	16.00/hr.
Technician	- - - - -	12.00/hr.
Draftsman	- - - - -	12.00/hr.
2 Man Survey Crew	- - - - -	23.00/hr.
Clerical	- - - - -	6.00/hr.
Mileage	- - - - -	0.15/mile
Outside Expense (Reproduction, etc.)	- - -	At Direct Cost

Work Plan Scheduling and Cost Estimates

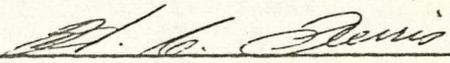
Work Item No.	Target Dates		Manpower Requirements	Estimated Costs	
	Begin	Complete		Low	High
A.1	4-1-75		1.5 PED	\$250	\$300
2			3.0 PED	500	650
3			1.5 PED	1000	1100
			8.0 DD		
4			1.5 PED	250	300
5			2.5 PED	400	500
6		4-30-75	3.0 PED		
			4.0 ED	1200	1300
			2.0 TD		
			EXP.	300	400
<u>Total Section A =</u>				<u>\$3900</u>	<u>\$4550</u>
B.1	5-1-75		3.0 PED	500	600
2			6.0 PED	1000	1100
3			3.5 PED	1100	1300
			3.0 ED		
			2.0 DD		
4			2.0 PED	300	400
5			1.5 PED	350	450
			1.0 ED		
6		6-6-75	3.0 PED	600	700
			1.0 ED		
			EXP	300	400
<u>Total Section B =</u>				<u>\$4150</u>	<u>\$4950</u>
C.1	6-9-75		3.0 PED	750	850
			2.0 ED		
2			6.0 PED	1700	1900
			3.5 ED		
			3.0 TD		
3	(Dry Weather I-I) 7-31-75		8.0 PED	4400	5100
	(Wet Weather I-I) 1-9-76		4.0 ED		
			28.0 TD		
			3.0 CD		
			EXP	500	700
<u>Total Section C, Items 1-3 =</u>				<u>\$7350</u>	<u>\$8550</u>
4. Detailed Sewer System Evaluation Work Not Determinable at this time and may not be required.					
D.1	2-2-76		2 PED	450	500
			1 Ed		
2			1.5 PED	250	300
3			1.0 PED	300	350
			1.0 ED		
4			2.0 PED	550	650
			2.0 ED		
5			3.0 PED	600	700
			1.0 ED		
6			2.0 PED	450	500
			1.0 ED		
7			2.5 PED	1000	1200
			1.0 ED		
			4.0 DD		
			2.0 CD		

Work Item No.	Target Dates		Manpower Requirements *	Estimated Costs	
	Begin	Complete		Low	High
8		4-1-76	3.0 PED 1.0 ED 4.0 DD 3.0 CD	1100	1300
			EXP	600	700
Total Section D =				\$5300	\$6200
Estimated Total Cost For Above Listed Work =				\$20,700	\$24,250

* Nomenclature: PED = Professional Engineer Days
 ED = Engineer Days
 TD = Technician Days
 DD = Draftsman Days
 CD = Clerical Days
 EXP = Mileage and Expenses

Thank you for requesting this engineering proposal for sewerage facilities planning in the Newberg-Dundee area. We look forward to meeting all of you personally to discuss this proposal further. And, we look forward to being of service to Newberg and Dundee.

Respectfully submitted,
 WESTECH ENGINEERING, INC.


 H. C. Ferris, P.E., President

HCF/ah

Newberg-Dundee Sewerage Committee
April 16, 1975

Present:

Mayor Nulsen-Newberg
Robert Hurford "
Chet Windsor "
M.C. Gilbert "

Mayor Crabtree-Dundee
John Koller "
Jim Scott "
Bill Hughes "
Margaret Miller "

Purpose of the meeting to select an Engineering firm to complete Newberg-Dundee Sewerage Facilities study including Newberg infiltration/inflow.

On March 12, 1975 the firms of CH2M-Hill, Robert E. Meyer and Westech selected to present oral interviews.

On March 26, 1975 selection deferred to later date and Robert E. Meyer and CH2M-Hill requested to supply additional work data.

A discussion of the merits of each firm, their work schedule and cost estimates reviewed.

Selection of firm to make study by vote: Westech 4, Meyer 2, CH2M-Hill 0.

The Committee agreed that the engineering firm is to keep a time and cost breakdown on studies for Newberg, studies for Dundee, and studies of joint involvement.

Agreed that the first City to initiate a project and implement to repay the loan.

DEQ is to be requested to advise costs, merits, time element and availability of EPA-DEQ grant versus DEQ loan to finance this combined sewerage study.



To: Mayor and City Council

April 11, 1975

From: John Raineri

Subject: Newberg - Dundee Sewer District

Today Mr. Bela Kolatay of Aerial Mapping Company of Oregon approached me with a suggestion on the aerial mapping of the area between the Sewage Treatment Plant and Dundee.

Mr. Kolatay states that if any aerial mapping of the area is done that it should be done in the near future before the foliage on the trees and brush begin to grow. This would give a more true picture of the contour of the ground for any studies or planning of the treatment plant.

He also mentioned that his company could do the mapping at a lower rate because they have set the ground control in the Dundee area when the City of Newberg was mapped.

Mr. Kolatay would appreciate any comments concerning the study.

4/16-75

REGIONAL SEWAGE STUDY

TO MAYOR NULSEN AND COMMITTEE MEMBERS.

BEING UNABLE TO ATTEND THE APRIL 16 MEETING, I WISH EXTEND MY VIEWS ON THE SELECTION OF THE ENGINEERING FIRM TO MAKE THE STUDY.

I FEEL THAT WESTECH ENGINEERING MADE THE MOST COMPLETE AND CONCISE PRESENTATION THEIR PROPOSAL.

N.Y.

ROBERT E. MEYER ENGINEERS INC. WITH SOME PRODDING MADE A RATHER COMPLETE PROPOSAL.

ON GOING OVER WHAT EACH PROPOSES AND TAKEING IN TO ACCOUNT THE COMBINED RESERVOIR OF EXPERIENCE I WOULD VOTE FOR ROBERT E MEYER ENGINEERING FIRM.

Dwight Belange

- 1 - MEYER 61
- 2 - WESTECH 4
- 3 - Chem 0

25,000

211

6,000

75
\$20,000





ROBERT E. MEYER ENGINEERS, INC.

Consulting Engineers, Planners and Surveyors
14250 S.W. ALLEN BLVD. • BEAVERTON, ORE. 97005

AREA CODE (503) 646-3193

A181

April 3, 1975

ROBERT E. MEYER, P.E.
President

LEWIS N. POWELL, P.E.
V.P. - Engineering

THOMAS J. PFEIFFER, P.E.
V.P. - Surveying

JERRY DRAGGOO, A.I.P.
V.P. - Planning

ZEN DUTSON, V.P.
Construction Coordination

Mr. M.C. Gilbert, Finance Officer
City of Newberg
414 East First Street
Newberg, OR 97132

Subject: Dundee-Newberg Regional Sewerage Study

Mr. Gilbert -

we are glad we are still in the running for the project. Here are our manpower requirements and estimated costs for the Study.

The enclosed exhibits are:

Exhibit "A" - Fee and Manpower Estimate
Exhibit "B" - Suggested Time Schedule

Exhibit "A" - This estimate follows the major headings of our Work Program previously submitted. The Work Program includes the minimum requirements listed in your letter.

The one real unknown is the I/I Study. Our original estimate dated March 19, 1974 was approximately \$10,500 for the study. Since then, we have become more knowledgeable on its contents and feel there is a possibility it can be reduced even further once we get into the project. If it doesn't require the \$7500, you will be given credit and/or we will provide additional equal services so Dundee-Newberg will receive full value for the fee.

The mapping cost estimates are from two sources. We prefer to investigate these estimates in greater detail and discuss them with you before making final recommendations concerning completing the mapping of the study area. The mapping accuracy is not critical for the Regional Study. Our concern is that the Cities of Dundee and Newberg obtain the best maps for their areas for the money spent.



Mr. M. C. Gilbert
April 3, 1975
Page 2

Exhibit "B" - This time schedule was submitted previously and still appears accurate. This is dependent upon work starting in May - following City, DEQ and EPA approvals.

Mr. Gilbert - Jerry, Ed and I appreciated the opportunity to make our presentation before the selection committee. If they can continue as an Advisory Committee - that would be great.

And yes, Mr. Gilbert - we want to do this study for Dundee-Newberg. We will

- assign experienced people
- do the best job possible
- give you a personal service by
 - 1) continually working with each community
 - 2) keeping you informed by attending both Advisory Committee and Council Meetings

and, we are close to the job, know the area, and are eager to get started.

Sincerely,



Robert E. Meyer, President

REM:jm

enclosures



ROBERT E. MEYER ENGINEERS, INC.

FEE AND MANPOWER ESTIMATE
DUNDEE-NEWBERG REGIONAL SEWERAGE STUDY
YAMHILL COUNTY, OREGON

	<u>Item</u>	<u>Estimated Man-days</u>	<u>Fee</u>
I	Planning and Programming	7	\$ 1500
II	Research and Analysis	16	3600
III	Infiltration/Inflow Analysis	34	7500
IV	Dundee and Newberg Improvements	14	3000
V	Development of Regional Alternates	12	2600
VI	Implementation	5	1100
VII	Report and Public Hearing	22.5	5000
VIII	Printing, Binding and Administrative Support	7	1500
	Estimated Totals	117.5	\$25,800

Mapping of Additional Areas

A = \$17,000 or B = \$25,500

(Both estimates are for the west 5800± acres of the
Study Area - Dundee.)



ROBERT E. MEYER ENGINEERS, INC.

SUGGESTED TIME SCHEDULE*
DUNDEE-NEWBERG REGIONAL SEWERAGE STUDY
YAMHILL COUNTY, OREGON

	<u>Estimated time to do task (days)</u>	<u>Total time since start (days)</u>	<u>Completion Date</u>
1. Select Engineer		0	March 15, 1975
2. Work Program is developed by Engineer	5	5	
3. District and Engineer negotiate fee and set time schedule	15	20	
4. Agreement with Engineer signed	10	30	April 15, 1975
5. DEQ loan approved, start study	30	60	May 15, 1975
6. Research and Analysis	60	120	July 1975
7. Infiltration/Inflow Analysis			
A. Preliminary (both systems)	14	N/A	July-August 1975
B. Detailed (Newberg system)	60	N/A	Nov. 1975 - Jan. 1976
8. Prepare Preliminary Facilities Plan Report	120	240	November 1975
9. Hold environmental assessment hearing, submit to EPA & assume Environmental Impact Statement not required	60	300	January 1976
10. Implementation Plan developed and adopted	30	N/A	Jan. - Feb. 1976
11. Complete Infiltration/Inflow Report	30	N/A	February 1976
12. Complete study (Facilities Plan)	30	N/A	Jan. - Feb. 1976
13. Cities adopt Facilities Plan	30	330	February 1976
14. Submit Facilities Plan to regulatory agencies for approval prior to March, 1976	10	340	February 1976

*Actual Time Schedule will vary based on final Work Program and starting date.

reserve for Step 1 and Step 2. In developing the project priority list, the State may (but need not) provide for an additional reserve for assistance for Step 1 and Step 2 whose selection for funding will be determined by the State agency subject to approval of the project list. A portion, but not more than one-fifth, of each allotment for fiscal 1975 and later years made pursuant to § 35.910 may be reserved for this purpose. A statement specifying the amount to be reserved for such grant projects shall be submitted by the State with the project priority list. The reserve may be for not more than eighteen months after the date of such allotment. If the reserved amount remains unexpended, the amount may be utilized for the purpose of additional projects, in accordance with the procedures set forth in paragraph (e) of this section. The amount of Step 1 and Step 2 projects in the reserve should be consistent with the approved State strategy and shall be developed in conjunction with, but need not rigidly follow, the ranking of the municipal discharge inven-

Facilities Planning (Step 1).

These regulations set forth the facilities planning required as an element of the construction of publicly owned treatment works and other treatment works and supplement the provisions of this subpart. Facilities planning consists of necessary plans and studies which are directly related to the construction of treatment works, in compliance with §§ 301 and 302 of the Act. Facilities planning will demonstrate the need for proposed facilities and, by a systematic evaluation of feasible alternatives, demonstrate that the proposed facilities represent the most cost-effective means of meeting established effluent quality goals, recognizing environmental and social considerations. Facilities planning, determined by the Regional Administrator to have been initiated prior to May 1, 1974, must be in accordance with applicable statutory provisions (see §§ 35.925-7 and 35.925-8) and such other requirements of the Act as may be determined to be necessary by the Regional Administrator. Full compliance with the facilities planning provisions of this subpart will be required prior to award of grant assistance for Step 2 or Step 3 where the Regional Administrator determines such grant was initiated (as determined pursuant to §§ 35.905-4 and 35.925-18) prior to April 30, 1974. Grant assistance for Step 2 or 3 may be awarded prior to approval of a facilities plan for the entire geographic area to be served by the complete waste treatment system of which the proposed treatment works will be an integral part if the Regional Administrator determines that the proposed treatment works meet the applicable statutory requirements have been met (see §§ 35.925-7 and 35.925-8); and the facilities planning relevant to

the proposed Step 2 or 3 project has been substantially completed; and that the Step 2 or 3 project for which grant assistance is made will not be significantly affected by the completion of the facilities plan and will be a component part of the complete system: *Provided*, That the applicant agrees to complete the facilities plan on a schedule the State accepts (subject to approval by the Regional Administrator), which schedule shall be inserted as a special condition in the grant agreement.

(e) After October 31, 1974, written approval of a plan of study (see § 35.920-3 (a) (1)) must be obtained prior to initiation of facilities planning. After June 30, 1975, facilities planning may not be initiated prior to approval of a Step 1 grant or approval of a plan of study accompanied by reservation of funds for a Step 1 grant (see §§ 35.925-18 and 35.905-4).

(f) Facilities planning guidelines published by the Administrator are for advisory information only.

(g) If the information required to be furnished as part of a facilities plan has been developed separately, it should be furnished and incorporated by reference in the facilities plan. Planning previously or collaterally accomplished under local, State or Federal programs will be utilized (not duplicated).

§ 35.917-1 Content of Facilities Plan.

Facilities planning which is initiated after April 30, 1974, must encompass the following to the extent deemed appropriate by the Regional Administrator:

(a) A description of the treatment works for which construction drawings and specifications are to be prepared. This description shall include preliminary engineering data, cost estimates for design and construction of the treatment works, and a schedule for completion of design and construction. The preliminary engineering data may include, to the extent appropriate, such information as a schematic flow diagram, unit processes, design data regarding detention times, flow rates, sizing of units, etc.

(b) A description of the selected complete waste treatment system(s) of which the proposed treatment works is a part. The description shall cover all elements of the system, from the service area and collection sewers, through treatment, to the ultimate discharge of treated wastewaters and disposal of sludge.

(c) Infiltration/inflow documentation in accordance with § 35.927.

(d) A cost-effectiveness analysis of alternatives for the treatment works and for the waste treatment system(s) of which the treatment works is a part. The selection of the system(s) and the choice of the treatment works on which construction drawings and specifications are to be based shall reflect the cost-effectiveness analysis. This analysis shall include:

(1) The relationship of the size and capacity of alternative works to the needs to be served, including reserve capacity;

(2) An evaluation of alternative flow and waste reduction measures;

(3) An evaluation of improved effluent quality attainable by upgrading the operation and maintenance and efficiency of existing facilities as an alternative or supplement to construction of new facilities;

(4) An evaluation of the capability of each alternative to meet applicable effluent limitations. The treatment works design must be based upon not less than secondary treatment as defined by the Administrator pursuant to sections 301 (a) (1) (B) and 304(d) (1) of the Act;

(5) An identification of, and provision for, applying the best practicable waste treatment technology (BPWTT) as defined by the Administrator, based upon an evaluation of technologies included under each of the following waste treatment management techniques:

(i) Biological or physical-chemical treatment and discharge to receiving waters;

(ii) Treatment and reuse; and

(iii) Land application techniques.

All Step 2, Step 3 or combination Step 2-3 projects for publicly-owned treatment works construction from funds authorized for any fiscal year beginning after June 30, 1974, shall be based upon application of BPWTT, as a minimum. Where application of BPWTT would not meet water quality standards, the facilities plan shall provide for attaining such standards. Such provision shall consider the alternative of treating combined sewer overflows.

(6) An evaluation of the alternative means by which ultimate disposal can be effected for treated wastewater and for sludge materials resulting from the treatment process, and a determination of the means chosen.

(7) An adequate assessment of the expected environmental impact of alternatives including sites pursuant to Part 6 of this Chapter. This assessment shall be revised as necessary to include information developed during subsequent project steps.

(e) An identification of effluent discharge limitations, or where a permit has been issued, a copy of the permit for the proposed treatment works as required by the National Pollution Discharge Elimination System.

(f) Required comments or approvals of relevant State, interstate, regional, and local agencies.

(g) A brief summary of any public meeting or hearing held during the planning process including a summary of the views expressed.

(h) A brief statement demonstrating that the authorities which will be implementing the plan have the necessary legal, financial, institutional, and managerial resources available to insure the construction, operation, and maintenance of the proposed treatment works.

(i) A statement specifying that the requirements of Title VI of the Civil Rights Act of 1964 and of Part 7 of this chapter have been satisfied.

Dundee-Newberg Regional Sewerage Study
-Minimum Requirements-

1. Project Planning.
2. Data including records on all existing sewer systems and flow measurements.
3. Complete analysis of all information accumulated.
4. Cost analysis following Federal guideline procedures.
5. The feasibility of providing a regional collection and treatment system for the Dundee-Newberg area.
6. A plan that is compatible with the comprehensive land use plan for both communities.
7. Alternative types of treatment systems and their costs (Capital and Operation.)
8. In the event a regional system is feasible, an implementation schedule to phase out the existing systems and phase in the new system.
9. Alternatives to financing and organizing the regional plan (if feasible) including, but not limited to, the possibility of forming a county service district, if appropriate.
10. Study treatment alternatives for the City of Dundee for achieving secondary treatment requirements as defined by 40 CFR, Part 133.
11. Analysis of the City of Newberg's sewage collection system in relation to infiltration and inflow, and a recommended correction program and time schedule.
12. A program and time schedule for providing necessary improvements to the City of Newberg's treatment plant with regard to: Solids removal from both chlorine contact chambers; skimming the final clarifier; improved sludge disposal solutions.



✓ U. M. N. Group

Present:

John Koller

Jim Scott

Bill Hughes

Dwight Belanger

Christie Windsor

3/12-75 -

Selected: Rolt Meyer, CN24
and Welch for oral presentation

Wed - March 26, 1975 - 7 PM

✓✓✓✓ Roet E. Meyer

Judy Redden

✓✓✓✓ C. H. 2. m.

Klein & Sturkey

- Clark & Druff

Richard C.T. Li

W. F. Perley & Assoc.

✓✓✓✓ Westech Engineering -



**DEPARTMENT OF
ENVIRONMENTAL QUALITY**

Salem District Office
2595 State Street
Salem, Oregon 97301

NORTHWEST REGION

1010 N.E. COUCH STREET • PORTLAND, OREGON • 97232 • (503) 238-8471

ROBERT W. STRAUB
GOVERNOR

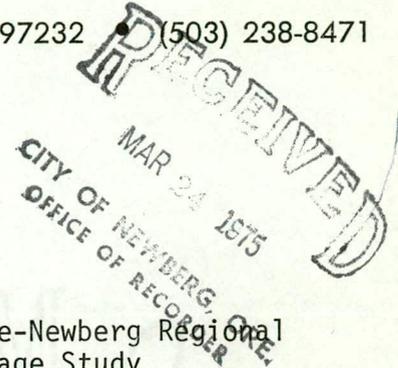
KESSLER R. CANNON
Director

E. J. WEATHERSBEE
Region Administrator

Mr. M.C. Gilbert, Finance Officer
City of Newberg
414 East First Street
Newberg, OR 97132

March 21, 1975

RE: WQ - Dundee-Newberg Regional
Sewerage Study
Yamhill County
Salem District



Dear Mr. Gilbert:

This will acknowledge your letter of March 13, 1975, and will confirm our telephone conversation of March 20, 1975, regarding our attendance at the engineering firm final selection meeting scheduled for March 26, 1975.

As we discussed, the responsibility for the selection of a consulting engineering firm properly rests with the two cities involved. The Department appreciates the invitation, however, we cannot participate in the final decision making.

Please be assured that this Department will work closely with the engineering firm that is selected, and we look forward to the commencement of the engineering study.

Please don't hesitate to contact this office if there are any questions.

Cordially,

KESSLER R. CANNON
Director

Stephen C. Downs
Mid Valley District Engineer

SCD/ks

Enclosure: Letter from Mr. M.C. Gilbert dated March 13, 1975.

cc: Pat Curran, Water Quality Division w/enc.
City of Dundee, P.O. Box 201, Dundee, OR 97115 w/enc.



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ENGINEERING EVALUATION OF ALTERNATIVES

Alternative 1. Interconnection with Newberg's Sewerage System

Newberg has a ten-inch interceptor sewer at the southwest edge of the city capable of handling projected flows from Dundee to the year 1990, or 332,000 gpd. If an equitable arrangement could be negotiated with Newberg, Dundee could construct about one mile of force main along Gettys Road and U.S. 99W to the latter's intersection with Sunnycrest Road, then a gravity sewer to the Newberg system. The two pumps, of 400 gpm combined capacity, near the lagoons would continue to be used. The gravity sewer could ultimately serve the highway between the two communities. Dundee could then abandon the existing lagoon treatment. Map depicts the regional system.

To connect the sewer outfall of Dundee to the Newberg sewage treatment plant would require the following facilities and construction costs.

TABLE 1

CONSTRUCTION COSTS: DUNDEE-NEWBERG REGIONAL SYSTEM

6" Forcemain	\$ 72,800
7,280' @ \$10/ft.	
8" Gravity Sewer	87,500
7,300' @ \$12/ft.	

Total Construction Costs	\$160,300

Table 2 lists the annual costs that would be required for the debt service on the construction of the gravity sewer and force main. Also, the table indicates the costs to Dundee that would be associated with the operation, maintenance, and debt service costs on the Newberg sewage treatment plant. Dundee's pro-rata share of these costs is assumed to be ten percent.

TABLE 2

ANNUAL COSTS: DUNDEE-NEWBERG REGIONAL SYSTEM

Debt Service on Construction	\$15,132
Operation and Maintenance, Newberg Plant	8,400
1/9.6 X \$80,584	
Amortization Cost, Newberg Plant	7,675
1/9.6 X \$73,740	

Total Annual Cost	\$31,207

Alternative 2: Upgrading of Dundee Sewage Lagoons

As an alternative to the regional system, Dundee could modify its present lagoon to meet effluent standards required of lagoons by 1977. By 1977 the city will probably be of a size near the design population of the existing lagoon, and may find it feasible to expand treatment capability at the same time the necessary modification is undertaken. This would ensure meeting the 1983 effluent requirements for the Wil-lamette, and two construction programs would not be required in a relatively short space of time.

To meet effluent requirements to become effective in 1977, lagoons must produce a relatively uniform effluent free from excessive suspended solids. Algae cells in lagoon effluents are suspended solids and these cells also contribute to long-term BOD. Presently, no effective method of algae removal is known other than coagulation, sedimentation and filtering, or slow sand filtering, both full-scale water treatment approaches. It is believed that some effective method will be developed in the near future to remove algae from lagoon effluents at a cost that will make the continued use of lagoon treatment a feasible practice.

For purposes of arriving at a cost for upgrading lagoon effluents, a construction cost comparable to that of sand filtration has been assumed, plus an operating cost of 12¢/1000 gallons for operating the added unit. Sand filtration may or may not be effective for this purpose.

The costs of this alternative are estimated in Table 3.

TABLE 3

COSTS ASSOCIATED WITH LAGOON UPGRADING AT DUNDEE

<u>Construction Costs</u>		
Sewage Lagoons		\$57,200
Land Acquisition		
6 acres @ \$1,200/acre	7,200	
Construction	50,000	
0.172 mgd Multi-Media Filter		
(two pressure filters, pump, pipe enclosure @ 172,000 gpd)		<u>30,000</u>
Total Construction Costs		\$87,200
 <u>Annual Costs</u>		
Debt Service on Construction		\$ 8,231
Operation and Maintenance, Filtration		8,760
12¢/1000 gal. @ 0.2 mgd av.		
Total Annual Costs		<u>\$18,991</u>

Alternative 3: Extended Aeration Plant

If land area were not available for the expansion of the sewage lagoons, a final alternative would be to replace the existing facility with an extended aeration plant. The extended aeration plant would be of a packaged type and would be designed to accommodate a hydraulic flow of 0.172 mgd from a population of 2,000. Normally, this type of facility provides a relatively high degree of treatment and should consistently meet the projected 20/20 treatment standards required on the Willamette until 1983.

Costs are estimated in Table 4.

TABLE 4

COSTS OF AN EXTENDED AERATION PLANT AT DUNDEE

<u>Construction Costs</u>	
Land Acquisition	\$ 1,200
1 acre @ \$1,200/acre	
Extended Aeration Sewage Treatment Plant	<u>158,000</u>
TOTAL CONSTRUCTION COSTS	\$159,200
 <u>Annual Costs</u>	
Debt Service on Construction Costs	\$ 14,915
Operation and Maintenance	<u>14,600</u>
23¢/1000 gals. @ 0.2 mgd av.	
TOTAL ANNUAL COSTS	\$ 29,515

After 1983, however, a 10/10 effluent standard is proposed for the Willamette, which will require the installation of polishing cells or multi-media filtration. To account for the added 1983 construction, the following costs are assumed:

TABLE 5

COSTS ASSOCIATED WITH THE CONSTRUCTION OF A MULTI-MEDIA FILTER TO ACCOMPANY AN EXTENDED AERATION PLANT AT DUNDEE

<u>Construction Costs</u>	
0.172 mgd Multi-Media Filter	\$49,000
TOTAL CONSTRUCTION COSTS	\$49,000
 <u>Annual Costs</u>	
Debt Service	\$ 4,625
Operation and Maintenance, Filtration	<u>7,533</u>
12¢/1000 gals. @ 0.172 mgd	
TOTAL ANNUAL COSTS	\$12,158

The total annual cost of the final facility is, then, \$41,673.

ENVIRONMENTAL EVALUATION OF ALTERNATIVES

The expected environmental impacts of the three alternatives are presented in Table 6 . Little change from current conditions is anticipated. Neither of the three types of sewage treatment should greatly effect the hydrologic, air quality, or topographic indicators characteristic of the Dundee-Newberg area.

However, the improved quality of the final effluent (5/5 to 15/15 ppm) derived from all three treatment processes should noticeably improve the water quality of the Willamette. In turn, an improved environment for fish, stream vegetation, and waterfowl should result.

It is significant that the upgrading and extended aeration alternatives, involving the use of a multi-media filter, would have the most favorable impact upon water quality. In these alternatives, the final effluent would be treated to a higher level than can be obtained at the Newberg plant,* and the point of discharge would remain at Dundee. It is believed that a somewhat smaller dissolved oxygen sag would result from the distribution of effluent at several points than at a single site in Newberg, as proposed in the regional alternative.

The development of a regional sewerage system, however, would stimulate the development of light industrial plants in the area between Dundee and Newberg. The Yamhill County Comprehensive Plan** has recommended such growth. A gravity sewer line would readily accomodate, and possibly accelerate, such development. The other alternatives, involving separate treatment at Dundee, would be less conducive to such growth. Gravity sewer service most probably would be limited to the areas between Sunnycrest Road and Dundee, and to developing residential districts west of Newberg under these alternatives.

Finally, each of the alternatives should improve the recreational use of the Willamette. The improved levels of treatment provided by the upgrading and extended operation alternatives would almost ceratinly enhance the perceived recreational value of the river downstream of Dundee. The relocation of the existing outfall to Newberg in the regional system alternative would also contribute to the recreational potential of the Willamette near Dundee. However, the Willamette's perceived recreational value near Newberg would be decreased by the addition of more sewage, at continued levels of sewage treatment.

* This would be true for the 1977-1983 period only, since it is probable that the Newberg plant would have to be upgraded to provide tertiary treatment.

** Not yet officially adopted at the time of writing.

TABLE 6

ENVIRONMENTAL EVALUATION MATRIX:
DUNDEE-NEWBERG SEWERAGE SYSTEMS

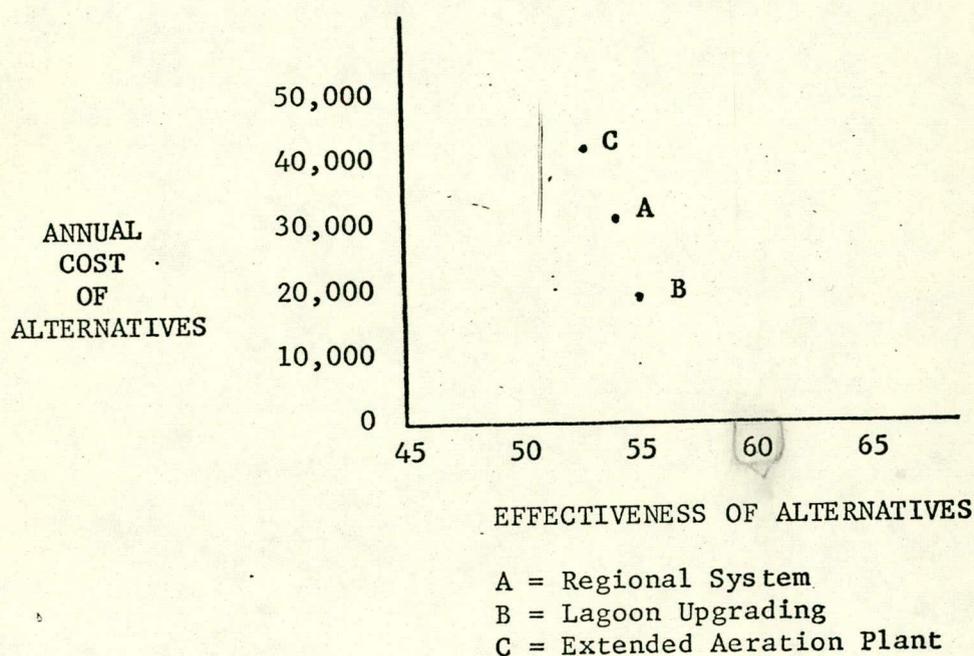
Area, Component, Indicator	Alt. 1	Alt. 2	Alt. 3
Water: Aquatic Species and Populations			
Vegetation	4	4	4
Fish	4	4	4
Waterfowl	3	3	3
Pests	4	4	4
Water: Water Quality			
Coliform Organisms	4	5	4
Dissolved Oxygen	4	5	4
Nutrient Materials	4	5	4
Total Dissolved Solids	4	5	4
Hydrogen Ion Concentration	3	3	3
Temperature	3	3	3
Suspended Solids	4	5	4
Water: Hydrologic Environmental Factors			
Basin Hydrologic Loss	3	3	3
Frequency of Extreme Flows	3	3	3
Air: Air Quality			
Particulate Matter	3	3	3
Gaseous Pollutants	3	3	3
Land: Land Use			
Compatibility of Use	5	4	4
Intensity of Use	5	4	4
Permanency of Use	5	4	4
Land: Topography			
Surface Characteristics	2	3	3
Stream, Reservoir, and Estuary Alteration	3	3	3
Aesthetics: Recreation			
Recreational Activities	4	4	4
Recreational Accessibility	3	3	3

DISCUSSION AND RECOMMENDATIONS

The relationship of cost to effectiveness for the three alternatives is depicted in Figure 1. All three alternatives are at the same level of effectiveness, but the lagoon upgrading alternative is significantly less expensive than either the regional system or the extended aeration alternatives. The Citizen Advisory Committee considered the upgrading alternative to be the most cost-effective method for meeting the immediate sewerage needs of Dundee, Newberg, and the intercity area.

FIGURE 1

RELATIONSHIP OF ALTERNATIVE COST TO EFFECTIVENESS: DUNDEE-NEWBERG SEWERAGE SYSTEMS



However, the development of a regional sewerage system would seem appropriate at such time as either the gravity service area in Newberg is fully developed or the rated hydraulic capacity of the city's plant is attained. At that time Newberg must expand to the Chehalem or Spring Brook Creek drainage basins. If the former is chosen, the costs of sewerage facilities -- and related community facilities such as water and streets -- could be split proportionately between Dundee and Newberg. Obvious economic advantages would result since the cost of plant construction and operation would be distributed over a larger service population.

Should Newberg decide to expand into the Chehalem drainage basin -- to the west of the current city limits -- a treatment plant could be constructed at the terminus of Chehalem Creek near its confluence with the

Willamette. A slight knoll is near this site, and is above the Willamette floodplain. The plant would be sized for, and serve, the entire Chehalem drainage basin. This would include all of the area along the highway and much of the land that is flat directly west and south of the highway. The area between Sunnycrest Road and Dundee would not be included since it is assumed that Dundee would provide gravity sewer service to the Sunnycrest-Dundee area.

Significantly, it does not seem feasible to develop a regional sewerage system as first described in Alternative 1. The installation of this system in 1977 could only be justified if the sewer between the two communities was counted as a collector line. Given this assumption, the costs of debt amortization would be eliminated and the only assignable economic costs would be those for sewage treatment and debt service on the Newberg plant. The construction of the combination gravity main-force main along U.S. 99W would be financially reasonable under this assumption.

However, Newberg has indicated that its sewer service area is to be confined to the area north of the city -- and can be served by the existing sewage treatment plant, without modifications -- and Dundee could readily accommodate the light industrial growth expected along 99E through the extension of its gravity sewers to the northeast. Thus neither city would be inclined to nor find it immediately advantageous to underwrite the costs of the regional interceptor. Much of this facility would be unused for at least ten years and the two cities would have to support the costs of debt amortization on the unused sections. Moreover, by the time that the area between Sunnycrest Drive and Newberg was ripe for development, the Newberg gravity sewer area will be nearing saturation, and conditions will then be favorable for the construction of the regional plant on the Willamette as described.

To finance a regional sewerage system, sinking funds, or their equivalents, might be established to spread the costs of construction over a larger tax base. This should occur once the design life of the treatment facilities is being approached or when the Newberg gravity service area is close to its holding population. The sinking funds could be supported by service charges, and developed separately by each area or jointly by both. The costs of the regional system could be apportioned on the basis of the recorded hydraulic flows of each area.

3/15/95
Loan Agreement

STATE OF OREGON

DEPARTMENT OF ENVIRONMENTAL QUALITY

This Agreement, made this _____ day of _____, 1975, by the State of Oregon, acting by and through its Department of Environmental Quality, hereinafter called Department, and the City of Newberg, hereinafter called Public Agency.

WITNESSETH AND RECITALS

The Public Agency desires to plan for the provision of future regional sewerage service as described in Exhibit "A" attached hereto and by this reference made a part hereof, hereinafter called planning project, and it is necessary for Public Agency to raise a part of the cost of the planning project by borrowing funds from the Department, pursuant to Article XI-H of the Constitution of Oregon and its implementing legislation;

and

Department intends to assist the Public Agency in its planning project by loaning the funds necessary to aid in financing the undertaking; and the Public Agency's planning project being eligible for such loan as provided in ORS 468.220 and 454.505;

NOW THEREFORE, in consideration of the premises and mutual covenants hereinafter set forth, it is agreed:

AMOUNT OF LOAN

Department will loan to Public Agency the sum of twenty-five thousand dollars (\$25,000) and Public Agency will repay said sum, together with the interest on the balances thereof from time to time remaining unpaid at the rate of six percent (6%) per annum, to Department as hereinafter set forth.

METHOD OF DISBURSEMENT OF FUNDS

Loan funds will be disbursed to the Public Agency for the eligible costs, as determined by Department, for carrying out the planning project approved by the Department, upon execution of this agreement and Department approval of the engineering contract to be entered into between Public Agency and a consulting engineering firm for the performance of the Engineering Work Program which is outlined in Exhibit "B", attached hereto and by this reference made a part hereof. The first loan disbursement will not exceed 25% of the total amount of the loan. Subsequent loan disbursements will be made upon request by the Public Agency in conjunction with the Public Agency's bimonthly report to the Department of Progress to date toward the planning project objectives. Total loan disbursements will not exceed 90% of the total amount of the loan pending final project audit. Final approval and disbursement of the last 10% of the total amount of the loan shall not be made until authorized by the Director of the Department.

Following disbursement of the loan funds hereunder, Public Agency shall make written bimonthly reports to the Department on the progress toward the objectives comprehended herein.

REPAYMENT

Except as hereinafter provided, Public Agency shall repay to Department the loan, together with the accrued interest thereon, at the time the initial capital improvements are made in accordance with the approved plan resulting from the planning project. It is expected that the loan, together with the accrued interest thereon, will be repaid through federal grants, state grants, bond sale proceeds, user charges, tax levy and other sources deemed appropriate by the Public Agency.

If the initial capital improvements are not made in accordance with the approved plan resulting from the planning project by the Public Agency within twenty-four (24) months following final approval and disbursement of the last 10% of the total amount of the loan funds hereunder, the Public Agency shall repay in full to the Department the then unpaid balance of the loan, together with the accrued interest thereon, at the expiration of twelve months from the date of notification.

COVENANT OF AUTHORITY

The Public Agency covenants with Department that Public Agency has legal authority to enter into this agreement and incur and repay the indebtedness provided for herein.

GENERAL COVENANTS AND CONDITIONS

The Public Agency agrees to submit to Department a copy of the final agreement, hereinbefore referenced, between the Public Agency and its consulting engineering firm, together with all amendments thereto that may thereafter be made. The Public Agency covenants to maintain financial records relating to the development and accomplishment of the planning project and to permit reasonable inspection thereof by Department officers, employees and agents. Should litigations develop between the parties, the prevailing party shall be entitled to attorney's fees and costs from the other party.

It is agreed that time is of the essence of this agreement and that the final draft of the plan resulting from the planning project shall be completed and submitted to the Department by March 15, 1976 for approval by the Department. Either party may from time to time make written request of the other for amendments or changes in this agreement for the purpose of accomplishing the project objectives. All such changes must be agreed upon by both parties and it is understood that no funding commitment is implied unless so stated by amendment to this contract.

STATE OF OREGON, acting by and through the
DEPARTMENT OF ENVIRONMENTAL QUALITY

By _____
Director

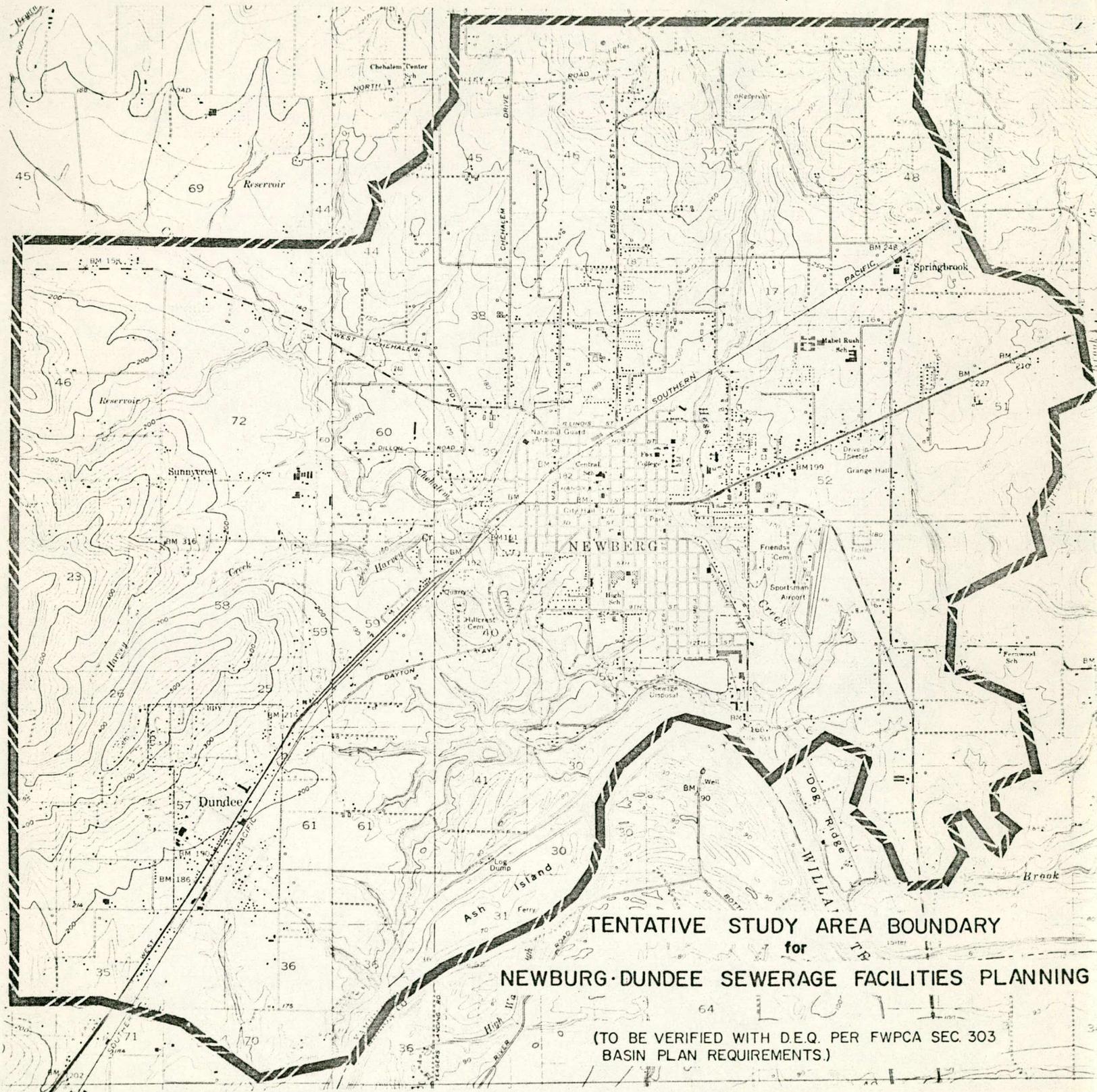
CITY OF Newberg, Public Agency

By _____

Title _____

el

2/27/95



TENTATIVE STUDY AREA BOUNDARY
for
NEWBURG-DUNDEE SEWERAGE FACILITIES PLANNING

(TO BE VERIFIED WITH D.E.Q. PER FWPCA SEC. 303
 BASIN PLAN REQUIREMENTS.)

February 27, 1975

PROPOSAL
to the
CITIES OF NEWBERG AND DUNDEE
for
SEWERAGE FACILITIES PLANNING

Westech Engineering, Inc. hereby proposes to accomplish the following work considered necessary for the successful development of sewerage facilities plans for the Cities of Newberg and Dundee.

Work shall cover as a minimum, the 15 requirements listed in the February 21 request for engineering proposals as addressed to our firm. In order to gain approval of the sewerage facilities plan and to ensure funding assistance, the proposed work plan is designed to fulfill current EPA requirements as well. These requirements are outlined in the "Guidance of Facilities Planning". They include assessment of environmental effects and provisions for public input. The planning area will include all land within an established Newberg-Dundee regional basin boundary.

The following work plan is organized into chronological steps which we have found to be efficient for the sewerage facilities planning process. Estimates of planning time requirements and costs are presented thereafter.

Section A - General Planning

1. Verify planning area boundaries for consistency with pending basin plans and environmental assessment needs. Coordinate with areawide waste treatment management plans. (FWPCA Section 303 basin plans are not yet available).
2. Assemble and review available data relating to sewerage facilities planning. This data includes sewer system maps and drawings, existing engineering reports on systems, comprehensive and land use plans, plant records, documentation on known problem areas, infiltration records, correspondence files, etc.
3. Prepare overall map delineating study area; prepare base maps for both Newberg and Dundee sewer systems suitable for planning purposes. It is understood that Newberg will supply available topographic and aerial maps.
4. Review study plan proposed herein with Cities, DEQ and EPA. Firm up planning tasks and scheduling.
5. Make population and population distribution projections for the study area, based on comprehensive and land use plans.
6. Estimate both municipal and industrial sewage flows for each sub-basin area, under present conditions and at the end of the design period.

Section B - Preliminary Analyses of Sewage Treatment Facilities

1. Coordinate planning effort with work underway by DEQ and COG. Establish secondary treatment and best possible water treatment technology (BPWTT) requirements meeting EPA criteria for effluent limitations and point loadings. Investigate pollution abatement needs for further treatment of overflow loads. Identify and set forth other local environmental and water management goals.
2. Analyze adequacy of existing sewage treatment facilities for both Cities. Evaluate treatment plants with respect to performance, operational problems, operating facilities and personnel, effluent and sludge disposal procedures, and testing and maintenance programs.
3. Determine present and future sewage plant loadings. Develop alternate sewage treatment facilities for the entire planning area on a tentative basis. Investigate appropriate locations and basic characteristics of alternate sewage treatment and effluent/sludge disposal facilities. Evaluate the costs and environmental impacts of these alternates for comparison purposes. Display the alternate plans.
4. Investigate the advantages/disadvantages of a regional collection and treatment system serving both Cities, and compare with separate municipal systems approach. Estimate breakover point in time when regionalization of the systems may have merit due to increased development. Estimate capital and operational costs of a regional system, and recommend on the apportioning of local costs.
5. Investigate the Dundee system to determine whether or not it is a "simple planning case". Evaluate treatment alternatives for Dundee in achieving secondary treatment requirements per 40 CFR, Part 133.
6. Evaluate the potential and costs for upgrading the Newberg treatment facility with respect to increased capacity, solids removal from contact chambers, improved clarifier skimming, and sludge disposal.

Section C - Analyses of Sewage Collection Systems

1. Examine treatment plant flow records and documentation on infiltration problems and effectiveness of on-going waste reduction measures. Confer with public works personnel, and State/Federal agency representatives. Estimate general adequacy and condition of existing collection systems. Isolate known problem areas. Set strategy for performing infiltration/inflow analyses.
2. Develop alternate sewage collection systems to serve the entire study area, on both a regional and a separate system basis. Make tentative selections for sizing and routing of alternate trunk and collector sewers, and force mains. Determine most effective lift station locations and basic pumping requirements.

Make preliminary estimates of the cost and environmental effects of the alternate collection systems. Weigh the benefits against the costs for each service area and in total.

3. Perform detailed infiltration/inflow analyses of collection systems to satisfy EPA requirements for same. Make selected dry weather flow measurements during summer of 1975; make selected wet weather infiltration/inflow measurements during winter of 1975-76. Compare wet weather to dry weather flow measurements to determine locations and extent of infiltration/inflow problems. Inventory leaking manholes and sewer lines. Determine areas of excessive infiltration/inflow. Estimate the costs of treating infiltration/inflow versus the costs of rehabilitating the sewer systems.

Determine apparent cost-effectiveness of sewer system rehabilitation measures, and proceed as follows:

- a. If system rehabilitation is cost-effective, a detailed sewer system evaluation is required as outlined under Item 4 hereinafter. At this point an interim report summarizing the findings of the preceding investigations will be prepared and submitted. Following concurrence by EPA in these findings, the sewer system evaluation work will begin.
- b. If system rehabilitation is found to be not cost-effective, the detailed sewer system evaluation is not required. Submit the findings of the investigations, and following EPA concurrence, proceed with the balance of the sewerage facilities planning.

Note that presently the consensus of all people contacted is that the Dundee collection system will probably not require detailed infiltration/inflow and sewer system evaluation work. We propose to verify this thinking through examination of plant records and selected measurements, etc., to ensure compliance with EPA guidelines.

4. Providing rehabilitation is found to be cost-effective, a detailed sewer system evaluation will be performed to satisfy the requirements of EPA's "Guidance for Sewer System Evaluation". This work includes physical surveys, rainfall simulation, preparatory cleaning, internal inspections, and a survey report. The extent of this work and associated costs are not determinable at this time, if required at all. Locate and measure excessive infiltration/inflow sources. Estimate the costs of collection system rehabilitation. Repairs which can be made on a cost-effective basis will be outlined, along with the expected reduction in infiltration/inflow and in treatment requirements. Overall capital and operational costs of alternate facility proposals will then be re-evaluated on the basis of recommended collection system repair work.

Section D - Completion of Sewerage Facilities Planning

1. Continue development and re-structuring of alternate sewage collection and treatment facility proposals. Refine construction costs, and operational and maintenance costs for each alternate. Make tentative selection of most cost-effective overall plan for the design period.
2. Evaluate the feasibility of a regional collection and treatment system for the Newberg-Dundee area, and identify the prospective wastewater management entity. Estimate cost allocations between local government units.
3. Refine and expand on previous assessments of environmental effects for each alternate system proposed.
4. Screen alternate systems and sub-systems according to the evaluation process contained in the EPA guide. Make comparative evaluations of each overall system alternative with respect to first and annual costs, environmental effects, consistency with water quality goals, operability, reliability, and flexibility. Reduce the number of alternate system proposals to several of the most promising.
5. Investigate and report on all financial considerations, including funding assistance programs and allocations of the local costs. Evaluate the municipal/industrial sewer service rate structure in both Cities, and determine equitable adjustments. Recommend measure for generating revenue to accommodate operational costs and debt retirement for each of the final system alternates proposed. Compare the alternates with respect to present worth and equivalent annual costs.
6. Report on the capabilities of the existing local government units to implement the most promising, alternate plans proposed. Investigate the feasibility of implementing any regional plan by a new agency such as a county service district, and state empowering legislation. Formulate an implementation plan and schedule for each of the final system alternates. Include phased development of improvements if appropriate.
7. Compare the alternate system plans and rank them in relation to all of the above evaluation parameters. The most promising system proposals will be adequately described and displayed in a manner suitable for public presentation. Public hearings will be held, and public input received, as a basis of final plan selection. (We will work closely with the designated steering committee all through the planning process).

8. Following selection of the final plan, the planning report will be completed as outlined in Chapter 8 of the EPA guide. The selected plan will be again refined and described in more detail by text, exhibits, and appendices. Financial requirements will be firmed up. Institutional arrangements will be reviewed and presented. A financial program and schedule for implementing the plan will be prepared. The final planning report will be prepared in 40 copies, and submitted for approval to the Cities, A-95 Clearinghouse, DEQ, and EPA.

In our considered opinion, the best interests of both Cities will be served by having all sewerage facilities planning work undertaken on a time and materials basis within a stipulated budget. This procedure provides the flexibility to make some adjustments in the scope of work if found necessary, without having to renegotiate the engineering contract. In short, this time and materials basis amounts to a days work for a days pay, and it eliminates the need for incorporating a risk factor into the proposal.

Therefore, we propose to accomplish the sewerage facilities planning work outlined herein on a time and materials basis in accordance with the following rate schedule. Our manpower and cost estimates presented hereinafter show that this work is accomplishable within the budgeted amount. We believe that this project will be most effectively served by the close attention of several key personnel who are trained in sewerage facilities planning work.

Westech Rate Schedule

Registered Engineer	- - - - -	\$22.00/hr.
Engineer	- - - - -	16.00/hr.
Technician	- - - - -	12.00/hr.
Draftsman	- - - - -	12.00/hr.
2 Man Survey Crew	- - - - -	23.00/hr.
Clerical	- - - - -	6.00/hr.
Mileage	- - - - -	0.15/mile
Outside Expense (Reproduction, etc.)	- - -	At Direct Cost

Work Plan Scheduling and Cost Estimates

Work Item No.	Target Dates		Manpower Requirements	Estimated Costs		
	Begin	Complete		Low	High	
A.1	4-1-75		1.5 PED	\$250	\$300	
2			3.0 PED	500	650	
3			1.5 PED	1000	1100	
			8.0 DD			
4			1.5 PED	250	300	
5			2.5 PED	400	500	
6	4-30-75		3.0 PED			
			4.0 ED	1200	1300	
			2.0 TD			
			EXP.	300	400	
Total Section A =			\$3900	\$4550		
B.1			5-1-75		3.0 PED	500
2	6.0 PED	1000			1100	
3	3.5 PED	1100			1300	
	3.0 ED					
	2.0 DD					
4	2.0 PED	300			400	
5	1.5 PED	350	450			
6	6-6-75		1.0 ED			
			3.0 PED	600	700	
			1.0 ED			
			EXP	300	400	
Total Section B =			\$4150	\$4950		
C.1			6-9-75		3.0 PED	750
	2.0 ED					
2	6.0 PED	1700			1900	
	3.5 ED					
	3.0 TD					
3	(Dry Weather I-I) 7-31-75	8.0 PED			4400	5100
	(Wet Weather I-I) 1-9-76	4.0 ED				
		28.0 TD				
		3.0 CD				
(Some Assistance From Public Works Personnel Assumed for I-I Measurement						
		EXP	500	700		
Total Section C, Items 1-3 =			\$7350	\$8550		
4. Detailed Sewer System Evaluation Work Not Determinable at this time and may not be required.						
D.1	2-2-76		2 PED	450	500	
			1 Ed			
2			1.5 PED	250	300	
3			1.0 PED	300	350	
			1.0 ED			
4			2.0 PED	550	650	
			2.0 ED			
5	3.0 PED	600	700			
	1.0 ED					
6	2.0 PED	450	500			
	1.0 ED					
7	2.5 PED	1000	1200			
	1.0 ED					
	4.0 DD					
	2.0 CD					

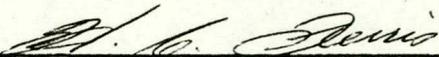
Work Item No.	Target Dates		Manpower Requirements *	Estimated Costs	
	Begin	Complete		Low	High
8		4-1-76	3.0 PED 1.0 ED 4.0 DD 3.0 CD	1100	1300
			EXP	600	700
Total Section D =				\$5300	\$6200
Estimated Total Cost For Above Listed Work =				\$20,700	\$24,250

- * Nomenclature:
- PED = Professional Engineer Days
 - ED = Engineer Days
 - TD = Technician Days
 - DD = Draftsman Days
 - CD = Clerical Days
 - EXP = Mileage and Expenses

Thank you for requesting this engineering proposal for sewerage facilities planning in the Newberg-Dundee area. We look forward to meeting all of you personally to discuss this proposal further. And, we look forward to being of service to Newberg and Dundee.

Respectfully submitted,

WESTECH ENGINEERING, INC.



H. C. Ferris, P.E., President

HCF/ah



Westech Engineering, Inc.

CONSULTING ENGINEERS AND PLANNERS

PRINCIPALS
C. H. STEKETEE, P.E.
H. C. FERRIS, P.E.

200 Lancaster Drive S.E.
SALEM, OREGON 97301

Telephone 585-2474

February 26, 1975

Mr. M. C. Gilbert, Finance Officer
City of Newberg
414 E. First Street
Newberg, Or. 97132

Re: Newberg-Dundee Sewerage Facilities Planning

Dear Mr. Gilbert:

We sincerely appreciate the opportunity to submit the attached proposal for investigations and planning of the Newberg-Dundee sewerage facilities.

Based on considerable experience with this type of work, review of previous reports, and contacts with various people, we are of the opinion that the main issues bearing on your project are these:

1. Project planning must be done in accordance with EPA's "Guidance for Facilities Planning" in order to gain approval and to ensure federal funding assistance of any improvements. That guidance contains several work items (assessment of environmental effects, provisions for public input, etc.) not listed in your Feb. 21 request for proposals addressed to our firm.

Accordingly, we propose to plan your project to fulfill EPA requirements, in addition to accomplishing the 15 work items listed in the request for proposals. Our planning effort is organized into chronological steps that can be efficiently undertaken.

2. The cost-effective determinations resulting from the infiltration/inflow analyses will fix the extent of detailed sewer system evaluations required, if any. Nobody can accurately predict the extent of that work at this time.
3. There are only certain times of the year when groundwater conditions are favorable for performing infiltration/inflow analyses and sewer system evaluation surveys. Therefore, for this work to be properly done, we expect that the total planning effort will require approximately one year to complete.

We are enclosing background information on our firm's experience and capabilities. If desired, we stand ready to discuss these further with you at any time. Our firm is particularly well qualified

for your project due to specific experience with this type of work, and familiarity with the general area. Examples of this experience are presented below:

1. Preliminary engineering reports on sewerage systems - Cities of Lafayette, Yamhill, Falls City, Unity, and Pacific City.
2. Infiltration/inflow analyses - Cities of Willamina, Stayton, and Molalla.
3. Sewerage facilities planning - City of Molalla.
4. Design and construction of sewerage system improvements:
 - a. City of Lafayette - treatment plant expansion
 - b. City of Unity - complete sewerage system
 - c. City of Stayton -trunk sewer, lift station & force main
 - d. City of Molalla - sewer system rehabilitation.

Our work for the City of Molalla is probably the most representative piece of engineering performed under new federal guidelines that you will find having direct relation to your project needs. We have developed special methods and equipment for infiltration/inflow work and sewer system evaluations. These have satisfied the EPA requirements, while expediting the work and holding engineering costs to a minimum.

The above listed clients can serve as references on our performance, and we invite you to contact any of them for that purpose.

We are also experienced with EPA and DEQ requirements and procedures. Bill Sobolewski of EPA and Russ Fetrow of DEQ are familiar with our work. These people can assist you in evaluating the various engineering proposals.

Our desire and need to perform well is as important as our qualifications and experience. All of these have contributed to our being active in Yamhill County. Our policy of "quality engineering, on schedule, at reasonable cost" best summarizes our philosophy as a service organization. In addition, the engineer-principals of our firm do the work and provide personal attention to our clients' needs.

We trust that your selection committee will give favorable consideration to our proposal. A personal interview with the committee should prove beneficial for all. Again, thank you for the opportunity to be of service to the Cities of Newberg and Dundee.

Respectfully submitted,

WESTECH ENGINEERING, INC.

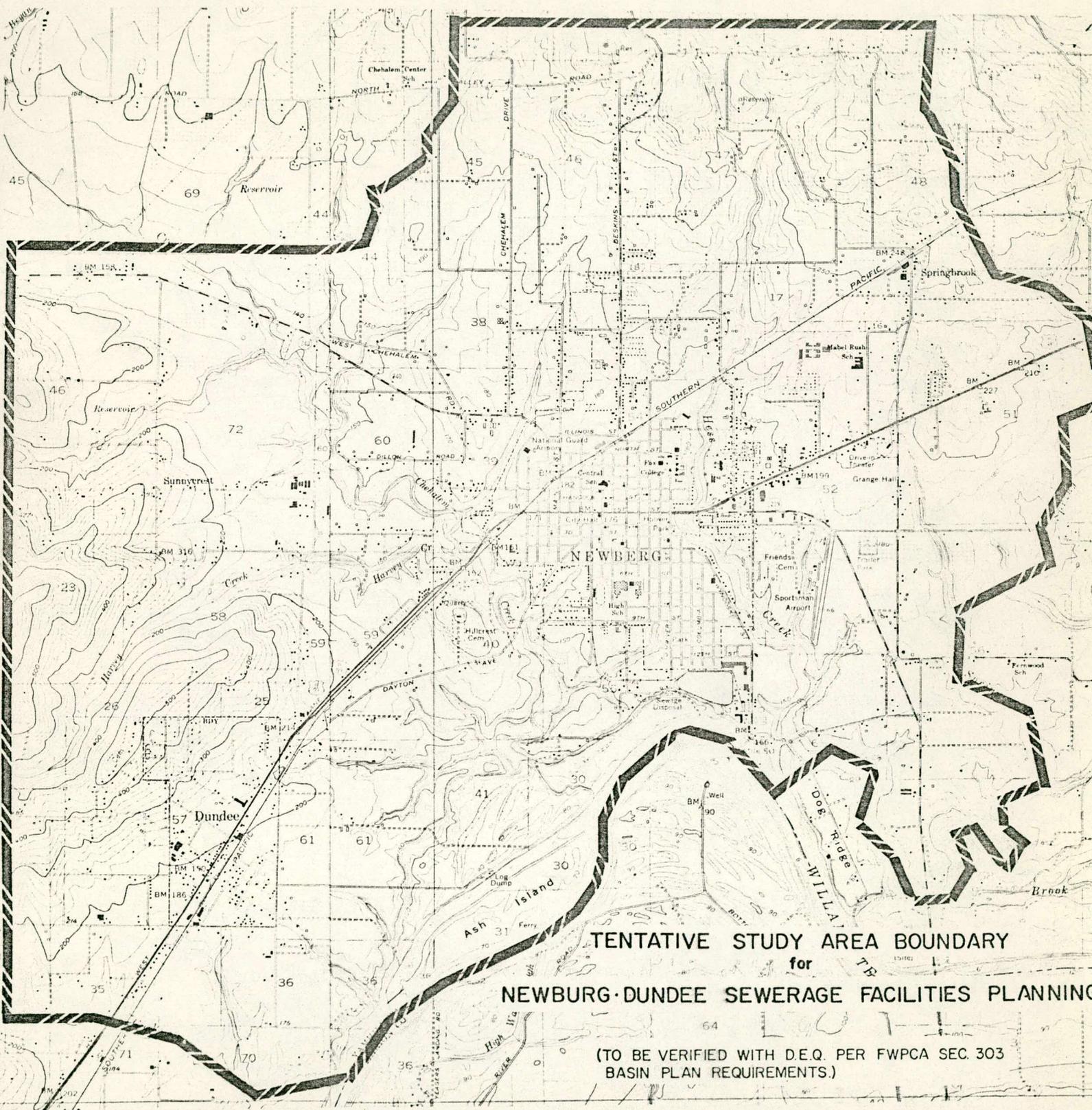


H. C. Ferris, P.E., President

HCF/ah

Attachment: Proposal

Enclosures: Noted



TENTATIVE STUDY AREA BOUNDARY
for
NEWBURG-DUNDEE SEWERAGE FACILITIES PLANNING

(TO BE VERIFIED WITH D.E.Q. PER FWPCA SEC. 303
BASIN PLAN REQUIREMENTS.)

PROPOSAL
to the
CITIES OF NEWBERG AND DUNDEE
for
SEWERAGE FACILITIES PLANNING

Westech Engineering, Inc. hereby proposes to accomplish the following work considered necessary for the successful development of sewerage facilities plans for the Cities of Newberg and Dundee.

Work shall cover as a minimum, the 15 requirements listed in the February 21 request for engineering proposals as addressed to our firm. In order to gain approval of the sewerage facilities plan and to ensure funding assistance, the proposed work plan is designed to fulfill current EPA requirements as well. These requirements are outlined in the "Guidance of Facilities Planning". They include assessment of environmental effects and provisions for public input. The planning area will include all land within an established Newberg-Dundee regional basin boundary.

The following work plan is organized into chronological steps which we have found to be efficient for the sewerage facilities planning process. Estimates of planning time requirements and costs are presented thereafter.

Section A - General Planning

1. Verify planning area boundaries for consistency with pending basin plans and environmental assessment needs. Coordinate with areawide waste treatment management plans. (FWPCA Section 303 basin plans are not yet available).
2. Assemble and review available data relating to sewerage facilities planning. This data includes sewer system maps and drawings, existing engineering reports on systems, comprehensive and land use plans, plant records, documentation on known problem areas, infiltration records, correspondence files, etc.
3. Prepare overall map delineating study area; prepare base maps for both Newberg and Dundee sewer systems suitable for planning purposes. It is understood that Newberg will supply available topographic and aerial maps.
4. Review study plan proposed herein with Cities, DEQ and EPA. Firm up planning tasks and scheduling.
5. Make population and population distribution projections for the study area, based on comprehensive and land use plans.
6. Estimate both municipal and industrial sewage flows for each sub-basin area, under present conditions and at the end of the design period.

Section B - Preliminary Analyses of Sewage Treatment Facilities

1. Coordinate planning effort with work underway by DEQ and COG. Establish secondary treatment and best possible water treatment technology (BPWTT) requirements meeting EPA criteria for effluent limitations and point loadings. Investigate pollution abatement needs for further treatment of overflow loads. Identify and set forth other local environmental and water management goals.
2. Analyze adequacy of existing sewage treatment facilities for both Cities. Evaluate treatment plants with respect to performance, operational problems, operating facilities and personnel, effluent and sludge disposal procedures, and testing and maintenance programs.
3. Determine present and future sewage plant loadings. Develop alternate sewage treatment facilities for the entire planning area on a tentative basis. Investigate appropriate locations and basic characteristics of alternate sewage treatment and effluent/sludge disposal facilities. Evaluate the costs and environmental impacts of these alternates for comparison purposes. Display the alternate plans.
4. Investigate the advantages/disadvantages of a regional collection and treatment system serving both Cities, and compare with separate municipal systems approach. Estimate breakover point in time when regionalization of the systems may have merit due to increased development. Estimate capital and operational costs of a regional system, and recommend on the apportioning of local costs.
5. Investigate the Dundee system to determine whether or not it is a "simple planning case". Evaluate treatment alternatives for Dundee in achieving secondary treatment requirements per 40 CFR, Part 133.
6. Evaluate the potential and costs for upgrading the Newberg treatment facility with respect to increased capacity, solids removal from contact chambers, improved clarifier skimming, and sludge disposal.

Section C - Analyses of Sewage Collection Systems

1. Examine treatment plant flow records and documentation on infiltration problems and effectiveness of on-going waste reduction measures. Confer with public works personnel, and State/Federal agency representatives. Estimate general adequacy and condition of existing collection systems. Isolate known problem areas. Set strategy for performing infiltration/inflow analyses.
2. Develop alternate sewage collection systems to serve the entire study area, on both a regional and a separate system basis. Make tentative selections for sizing and routing of alternate trunk and collector sewers, and force mains. Determine most effective lift station locations and basic pumping requirements.

Make preliminary estimates of the cost and environmental effects of the alternate collection systems. Weigh the benefits against the costs for each service area and in total.

3. Perform detailed infiltration/inflow analyses of collection systems to satisfy EPA requirements for same. Make selected dry weather flow measurements during summer of 1975; make selected wet weather infiltration/inflow measurements during winter of 1975-76. Compare wet weather to dry weather flow measurements to determine locations and extent of infiltration/inflow problems. Inventory leaking manholes and sewer lines. Determine areas of excessive infiltration/inflow. Estimate the costs of treating infiltration/inflow versus the costs of rehabilitating the sewer systems.

Determine apparent cost-effectiveness of sewer system rehabilitation measures, and proceed as follows:

- a. If system rehabilitation is cost-effective, a detailed sewer system evaluation is required as outlined under Item 4 hereinafter. At this point an interim report summarizing the findings of the preceding investigations will be prepared and submitted. Following concurrence by EPA in these findings, the sewer system evaluation work will begin.
- b. If system rehabilitation is found to be not cost-effective, the detailed sewer system evaluation is not required. Submit the findings of the investigations, and following EPA concurrence, proceed with the balance of the sewerage facilities planning.

Note that presently the consensus of all people contacted is that the Dundee collection system will probably not require detailed infiltration/inflow and sewer system evaluation work. We propose to verify this thinking through examination of plant records and selected measurements, etc., to ensure compliance with EPA guidelines.

4. Providing rehabilitation is found to be cost-effective, a detailed sewer system evaluation will be performed to satisfy the requirements of EPA's "Guidance for Sewer System Evaluation". This work includes physical surveys, rainfall simulation, preparatory cleaning, internal inspections, and a survey report. The extent of this work and associated costs are not determinable at this time, if required at all. Locate and measure excessive infiltration/inflow sources. Estimate the costs of collection system rehabilitation. Repairs which can be made on a cost-effective basis will be outlined, along with the expected reduction in infiltration/inflow and in treatment requirements. Overall capital and operational costs of alternate facility proposals will then be re-evaluated on the basis of recommended collection system repair work.

Section D - Completion of Sewerage Facilities Planning

1. Continue development and re-structuring of alternate sewage collection and treatment facility proposals. Refine construction costs, and operational and maintenance costs for each alternate. Make tentative selection of most cost-effective overall plan for the design period.
2. Evaluate the feasibility of a regional collection and treatment system for the Newberg-Dundee area, and identify the prospective wastewater management entity. Estimate cost allocations between local government units.
3. Refine and expand on previous assessments of environmental effects for each alternate system proposed.
4. Screen alternate systems and sub-systems according to the evaluation process contained in the EPA guide. Make comparative evaluations of each overall system alternative with respect to first and annual costs, environmental effects, consistency with water quality goals, operability, reliability, and flexibility. Reduce the number of alternate system proposals to several of the most promising.
5. Investigate and report on all financial considerations, including funding assistance programs and allocations of the local costs. Evaluate the municipal/industrial sewer service rate structure in both Cities, and determine equitable adjustments. Recommend measure for generating revenue to accommodate operational costs and debt retirement for each of the final system alternates proposed. Compare the alternates with respect to present worth and equivalent annual costs.
6. Report on the capabilities of the existing local government units to implement the most promising, alternate plans proposed. Investigate the feasibility of implementing any regional plan by a new agency such as a county service district, and state empowering legislation. Formulate an implementation plan and schedule for each of the final system alternates. Include phased development of improvements if appropriate.
7. Compare the alternate system plans and rank them in relation to all of the above evaluation parameters. The most promising system proposals will be adequately described and displayed in a manner suitable for public presentation. Public hearings will be held, and public input received, as a basis of final plan selection. (We will work closely with the designated steering committee all through the planning process).

8. Following selection of the final plan, the planning report will be completed as outlined in Chapter 8 of the EPA guide. The selected plan will be again refined and described in more detail by text, exhibits, and appendices. Financial requirements will be firmed up. Institutional arrangements will be reviewed and presented. A financial program and schedule for implementing the plan will be prepared. The final planning report will be prepared in 40 copies, and submitted for approval to the Cities, A-95 Clearinghouse, DEQ, and EPA.

In our considered opinion, the best interests of both Cities will be served by having all sewerage facilities planning work undertaken on a time and materials basis within a stipulated budget. This procedure provides the flexibility to make some adjustments in the scope of work if found necessary, without having to renegotiate the engineering contract. In short, this time and materials basis amounts to a days work for a days pay, and it eliminates the need for incorporating a risk factor into the proposal.

Therefore, we propose to accomplish the sewerage facilities planning work outlined herein on a time and materials basis in accordance with the following rate schedule. Our manpower and cost estimates presented hereinafter show that this work is accomplishable within the budgeted amount. We believe that this project will be most effectively served by the close attention of several key personnel who are trained in sewerage facilities planning work.

Westech Rate Schedule

Registered Engineer	- - - - -	\$22.00/hr.
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2 Man Survey Crew	- - - - -	23.00/hr.
Clerical	- - - - -	6.00/hr.
Mileage	- - - - -	0.15/mile
Outside Expense (Reproduction, etc.)	- - -	At Direct Cost

Work Plan Scheduling and Cost Estimates

Work Item No.	Target Dates		Manpower Requirements	Estimated Costs		
	Begin	Complete		Low	High	
A.1	4-1-75		1.5 PED	\$250	\$300	
2			3.0 PED	500	650	
3			1.5 PED	1000	1100	
			8.0 DD			
4			1.5 PED	250	300	
5			2.5 PED	400	500	
6	4-30-75		3.0 PED			
			4.0 ED	1200	1300	
			2.0 TD			
			EXP.	300	400	
<u>Total Section A =</u>			<u>\$3900</u>	<u>\$4550</u>		
B.1			5-1-75		3.0 PED	500
2	6.0 PED	1000			1100	
3	3.5 PED	1100			1300	
	3.0 ED					
	2.0 DD					
4	2.0 PED	300			400	
5	1.5 PED	350	450			
	1.0 ED					
6	6-6-75		3.0 PED	600	700	
			1.0 ED			
			EXP	300	400	
<u>Total Section B =</u>			<u>\$4150</u>	<u>\$4950</u>		
C.1	6-9-75		3.0 PED	750	850	
			2.0 ED			
2			6.0 PED	1700	1900	
			3.5 ED			
			3.0 TD			
3			(Dry Weather I-I) 7-31-75	8.0 PED	4400	5100
	(Wet Weather I-I) 1-9-76	4.0 ED				
		28.0 TD				
		3.0 CD				
(Some Assistance From Public Works Personnel Assumed for I-I Measurements			EXP	500	700	
<u>Total Section C, Items 1-3 =</u>			<u>\$7350</u>	<u>\$8550</u>		
4. Detailed Sewer System Evaluation Work Not Determinable at this time and may not be required.						
D.1	2-2-76		2 PED	450	500	
			1 Ed			
2			1.5 PED	250	300	
3			1.0 PED	300	350	
			1.0 ED			
4			2.0 PED	550	650	
			2.0 ED			
5			3.0 PED	600	700	
			1.0 ED			
6			2.0 PED	450	500	
			1.0 ED			
7	2.5 PED	1000	1200			
	1.0 ED					
	4.0 DD					
	2.0 CD					

Work Item No.	Target Dates		Manpower Requirements *	Estimated Costs	
	Begin	Complete		Low	High
8		4-1-76	3.0 PED 1.0 ED 4.0 DD 3.0 CD	1100	1300
			EXP	600	700
			<u>Total Section D =</u>	<u>\$5300</u>	<u>\$6200</u>
Estimated Total Cost For Above Listed Work =				\$20,700	\$24,250

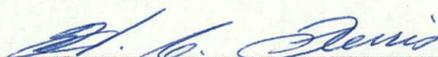
* Nomenclature:

- PED = Professional Engineer Days
- ED = Engineer Days
- TD = Technician Days
- DD = Draftsman Days
- CD = Clerical Days
- EXP = Mileage and Expenses

Thank you for requesting this engineering proposal for sewerage facilities planning in the Newberg-Dundee area. We look forward to meeting all of you personally to discuss this proposal further. And, we look forward to being of service to Newberg and Dundee.

Respectfully submitted,

WESTECH ENGINEERING, INC.



H. C. Ferris, P.E., President

HCF/ah



DEPARTMENT OF ENVIRONMENTAL QUALITY

Salem District Office
2595 State Street
Salem, Oregon 97301

NORTHWEST REGION

1010 N.E. COUCH STREET • PORTLAND, OREGON 97232 • (503) 238-8471

ROBERT W. STRAUB
GOVERNOR

KESSLER R. CANNON
Director

E. J. WEATHERSBEE
Region Administrator

Mayor and City Council
City of Newberg
414 East First Street
Newberg, OR 97132

RE: WQ - Dundee-Newberg Regional
Sewerage Study
Yamhill County
Salem District - NW Region

Gentlemen:

This will acknowledge the letter from Mr. M.C. Gilbert, Finance Officer, dated January 30, 1975, by which this Department learned that the City of Dundee and the City of Newberg have agreed to jointly pursue the feasibility of a regional sewerage facility.

The needs of each city were discussed during our meeting with both city councils on January 15, 1975. As discussed, the regional engineering report should provide, at a minimum, the following information:

1. The feasibility of providing a regional collection and treatment system for the Dundee-Newberg area.
2. A plan that is compatible with the comprehensive land use plan for both communities.
3. Alternative types of treatment systems and their costs (capital and operation).
4. In the event a regional system is feasible, an implementation schedule to phase out the existing systems and phase in the new system. This would include location and implementation time for interceptors.
5. Alternatives to financing and organizing the regional plan (if feasible) including, but not limited to, the possibility of forming a county service district, if appropriate.



Contains
Recycled
Materials

Mayor and City Council
City of Newberg
Page 2
January 18, 1975

6. Study treatment alternatives for the City of Dundee for achieving secondary treatment requirements as defined by 40 CFR, Part 133.
7. Analysis of the City of Newberg's sewage collection system in relation to infiltration and inflow, and a recommended correction program and time schedule.
8. A program and time schedule for providing necessary improvements to the City of Newberg's treatment plant with regard to:
 - a. Solids removal from both chlorine contact chambers.
 - b. Skimming the final clarifier.
 - c. Improved sludge disposal solutions.

As discussed during our meeting, the following approach should be taken to start the regionalization program:

1. Both cities should sign an agreement to underwrite the cost of an engineering report to reflect the feasibility of a regional collection and treatment system for the Dundee-Newberg area. A copy of a similar agreement used by the Cities of Independence and Monmouth is enclosed for your information.
2. Select a consulting engineering firm to handle the preparation of the report and obtain a breakdown of the estimated cost for such a report. It is recommended that the selected engineer contact this Department in order to coordinate the necessary items to be incorporated in the work plan. Primary point of contact in this regard should be Mr. Pat Curran, 1234 SW Morrison, Portland, 97205, telephone 229-5310.
3. One city should take the lead responsibility as agent and proceed with the request for financial aid. Such a request should be accompanied by a copy of the agreement between the two cities, as well as an itemized estimate of the engineering cost (items #1 and 2 above). A loan agreement between the Department and the lead city will then be prepared and returned for appropriate execution. An example of such an agreement, as used in the Independence - Monmouth regional study, is enclosed for your information.

It is recommended that both cities proceed in a timely manner, as an engineering agreement must be executed prior to July 1, 1975 in

Mayor and City Council
City of Newberg
Page 3
February 18, 1975

order to be eligible for any reimbursement under an Environmental Protection Agency grant.

If there are any questions regarding the above matters, please contact either Pat Curran, 229-5310, Portland, or this office, telephone 378-8240, Salem.

Cordially,

KESSLER R. CANNON
Director

Russell H. Fetrow Jr.

Russell H. Fetrow, Jr., P.E.
Salem District Manager

SCD/RHF/ks

Enclosures (3)

- (1) Letter from Newberg dated January 30, 1975.
- (2) Agreement between the City of Monmouth and the City of Independence.
- (3) Loan agreement by the Department of Environmental Quality and the City of Independence, dated October 2, 1974.

cc: E.J. Weathersbee, Administrator, NW Region Office, (RJNichols), w/o enc.
Pat Curran, Water Quality Division, w/o enc.
City of Dundee, w/enc.
Mid Willamette Valley Council of Governments, w/enc.
Yamhill County Planning Commission, w/enc.
Yamhill County Health Department, w/enc.

CITY OF NEWBERG

414 EAST FIRST STREET

TELEPHONE 538-9421

NEWBERG, OREGON 97132

March 27, 1975

Robert E. Meyer Engineers, Inc.
14250 SW Allen Blvd.
Beaverton, OR 97005

Re: Newberg-Dundee Sewage Study

Dear Bob,

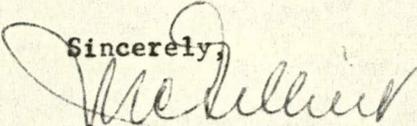
The Committee requests a statement of manpower requirements and estimated costs for the minimum requirements of this study and report as per DEQ advise to us.

1. The feasibility of providing a regional collection and treatment system for the Dundee-Newberg area.
2. A plan that is compatible with the comprehensive land use plan for both communities.
3. Alternative types of treatment systems and their costs (Capital and Operation.)
4. In the event a regional system is feasible, an implementation schedule to phase out the existing systems and phase in the new system.
5. Alternatives to financing and organizing the regional plan (if feasible) including, but not limited to, the possibility of forming a county service district, if appropriate.
6. Study treatment alternatives for the City of Dundee for achieving secondary treatment requirements as defined by 40 CFR, Part 133.
7. Analysis of the City of Newberg's sewage collection system in relation to infiltration and inflow, and a recommended correction program and time schedule.
8. A program and time schedule for providing necessary improvements to the City of Newberg's treatment plant with regard to: Solids removal from both chlorine contact chambers; skimming the final clarifier; improved sludge disposal solutions.

As an extra item include cost of aerial mapping survey of study area that has not been previously mapped by the City of Newberg.

Upon receipt of above information the Committee will meet and make their decision.

Sincerely,


M.C. Gilbert
Finance Officer

MCG:bb

CITY OF NEWBERG

414 EAST FIRST STREET

TELEPHONE 538-9421

NEWBERG, OREGON 97132

March 13, 1975

MEMO

Newberg

To: Jack C. Nulsen, Jr., Mayor
Durell Belanger
Chester Windsor

Robert Hurford

Dundee

Jack Crabtree, Mayor
John Koller
Jim Scott
Margaret Miller, Recorder

Re: Newberg-Dundee Sewage Study

Oral presentation of proposals:
Wednesday, March 26, 1975

7 PM--Cornell, Howland, Hayes & Merryfield
8 PM--Westech Engineering, Inc.
9 PM--Robert E. Meyer Engineers, Inc.

Council Rooms, City Hall, Newberg.

M. C. Gilbert

CITY OF NEWBERG

414 EAST FIRST STREET

TELEPHONE 538-9421

NEWBERG, OREGON 97132

March 13, 1975

Mr. Dann M. Madden
Department Manager
WasteWaster Systems
Cornell, Howland, Hayes & Merryfield
200 S.W. Market St.
Portland, OR 97201

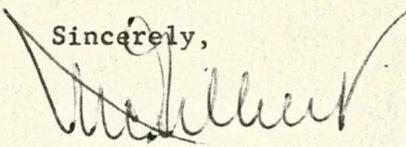
Re: Newberg-Dundee Regional Sewerage Study

Dear Mr. Madden:

Our Committee has reviewed proposals submitted by eight firms for the study. They have selected three firms from which they would request more information.

We would request that you make an oral presentation of your proposal on Wednesday, March 26, 1975 at 7:00 P.M., in the Council Chambers, City Hall, Newberg.

Sincerely,


M. C. Gilbert
Finance Officer

MCG:bb

CITY OF NEWBERG

414 EAST FIRST STREET

TELEPHONE 538-9421

NEWBERG, OREGON 97132

March 13, 1975

Mr. H.C. Ferris, President
Westech Engineering, Inc.
200 Lancaster Drive, S.E.
Salem, OR 97301

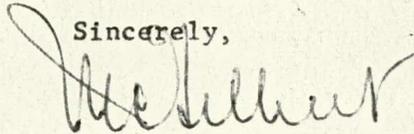
Re: Newberg-Dundee Regional Sewerage Study.

Dear Mr. Ferris:

Our Committee has reviewed proposals submitted by eight firms for the study. They have selected three firms from which they would request more information.

We would request that you make an oral presentation of your proposal on Wednesday, March 26, 1975 at 8:00 P.M., in the Council Chambers, City Hall, Newberg.

Sincerely,



M. C. Gilbert
Finance Officer

MCG:bb

CITY OF NEWBERG

414 EAST FIRST STREET

TELEPHONE 538-9421

NEWBERG, OREGON 97132

March 13, 1975

Robert E. Meyer Engineers, Inc.
14250 SW Allen Blvd.
Beaverton, OR 97005

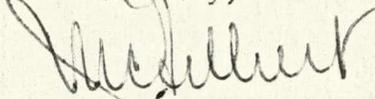
Re: Newberg-Dundee Regional Sewerage Study.

Gentlemen:

Our Committee has reviewed proposals submitted by eight firms for the study. They have selected three firms from which they would request more information.

We would request that you make an oral presentation of your proposal on Wednesday, March 26, 1975 at 9:00 P.M., in the Council Chambers, City Hall, Newberg.

Sincerely,



M. C. Gilbert
Finance Officer

MCG:bb

CITY OF NEWBERG

414 EAST FIRST STREET

TELEPHONE 538-9421

NEWBERG, OREGON 97132

March 13, 1975

Mr. Russel Fetrow, Jr.
Department of Environmental Quality
2595 State Street
Salem, OR 97301

Re: Newberg-Dundee Regional Sewerage Study

Dear Mr. Fetrow:

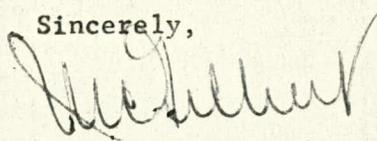
Our committee has reviewed proposals submitted by eight firms for the study. They have selected three firms from which they are requesting an oral presentation before making final selection.

The three firms are: Cornell, Howland, Hayes and Merryfield, Westech Engineering, Inc., and Robert E. Meyer Engineers, Inc. Each firm will be allowed one hour beginning at 7 PM, Wednesday, March 26, 1975.

The committee would like to have you or your representative at this final selection meeting if possible.

Please advise.

Sincerely,



M. C. Gilbert
Finance Officer

MCG:bb

February 26, 1975

Richard Lee, Inc.
1907 N. 133rd St.
Seattle, WA 98137

Gentlemen:

The City of Newberg will accept proposals for a Newberg-Dundee regional sewerage facilities study including infiltration/inflow analysis of the City of Newberg Sewer system.

~~This~~ proposal should include a proposed work plan:

1. Project planning.
2. Data including records on all existing sewer systems and flow measurements.
3. Complete analysis of all information accumulated.
4. Cost analysis following Federal guideline procedures.
5. Plan and cost estimate of sewer system evaluations, alternatives, etc.
6. Any other data, costs, or information that you would consider necessary, relative to his study.
7. A complete report of the study for presentation to City of Newberg, City of Dundee, Department of Environmental Quality, State and Federal agencies.
8. The feasibility of providing a regional collection and treatment system for the Dundee-Newberg area.
9. A plan that is compatible with the comprehensive land use plan for both communities.
10. Alternative types of treatment systems and their costs (Capital and Operation.)
11. In the event a regional system is feasible, an implementation schedule to phase out the existing systems and phase in the new system.
- ~~12.~~ This would include location and implementation time for interceptors.
- ~~12.~~ Alternatives to financing and organizing the regional plan (if feasible) including, but not limited to, the possibility of forming a county service district, if appropriate.
13. Study treatment alternatives for the City of Dundee for achieving secondary treatment requirements as defined by 40 CFR, Part 133.

14. Analysis of the City of Newberg's sewage collection system in relation to infiltration and inflow, and a recommended correction program and time schedule.
15. A program and time schedule for providing necessary improvements to the City of Newberg's treatment plant with regard to: Solids removal from both chlorine contact chambers; skimming the final clarifier; improved sludge disposal solutions.

This study will be financed by a \$25,000.00 D.E.Q. loan.

Please submit your proposal on or before March 1, 1975 to Finance Officer, City of Newberg, 414 S. First, Newberg, Oregon.

Very truly yours,

M. C. Gilbert
Finance Officer

MCG:bb



SINCE 1948

CLARK & GROFF ENGINEERS, INC.

MAIN OFFICE: 3276 COMMERCIAL STREET S.E. • SALEM, OREGON 97302
 BRANCH OFFICE: 123 N.W. SECOND AVENUE • PORTLAND, OREGON 97209
 BRANCH OFFICE: 731 FRANKLIN STREET, SUITE 5 • BEND, OREGON 97701
 BRANCH OFFICE: MASONIC TEMPLE BUILDING • MISSOULA, MONTANA 59801

TELEPHONES
 503/585-2362
 503/226-4997
 503/382-4866
 406/543-5202

February 19, 1975

REPLY TO

Salem

Mr. M. C. Gilbert
 Finance Officer
 City of Newberg
 414 East First Street
 Newberg, Oregon 97132

RECEIVED
 FEB 20 1975
 CITY OF NEWBERG, ORE
 OFFICE OF RECORDER

Dear Mr. Gilbert:

We wish to acknowledge receipt of your letter of February 18, 1975, inviting proposals for a regional sewerage facilities study.

We thank you for this invitation and assure you of our intention to submit a proposal on or before March 1.

Respectfully yours,

CLARK & GROFF ENGINEERS, INC.

Wayne A Taylor by LKC

 Wayne A. Taylor, P.E., Vice President
 Sanitary Engineering Division

WAT/ey



CIVIL • SANITARY • STRUCTURAL • MUNICIPAL • MECHANICAL • ELECTRICAL • STUDIES AND REPORTS
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Engineering and Planning

CITY OF NEWBERG



414 EAST FIRST STREET

TELEPHONE 538-9421

NEWBERG, OREGON 97132

ROUTING	
To	Noted by
RNE	
SED	
GDW	
From:	
Action:	

Janaury 30, 1975

Mr. Russel Fetrow, Jr.
 Department of Environmental Quality
 2595 State Street
 Salem, OR 97301

Dear Mr. Fetrow:

Please be advised that the City of Dundee has approved joining with the City of Newberg in the study of a regional sewerage facilities plan.

Please send necessary documents to obtain loan and implement the study.

Sincerely,

M. C. Gilbert
 Finance Officer

MCG:bb

State of Oregon
 DEPARTMENT OF ENVIRONMENTAL QUALITY
RECEIVED
 FEB 4 1975

SALEM DISTRICT OFFICE

CITY OF DUNDEE

HIGHWAY 99W

DUNDEE, OREGON

P.O. BOX 201

PHONE: 538-3922

January 30, 1975

Mr. Merlin Gilbert, Recorder
City of Newberg,
Newberg, Oregon

Dear Mr. Gilbert:

The following resolution was adopted at the City
of Dundee Council meeting January 21st:

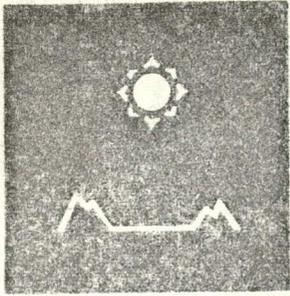
Resolved that Dundee join Newberg in applying for
a loan, for a regional sewer study, as suggested
by the Department of Environmental Quality.

I hope this will be sufficient for the application.

Very truly yours,

Margaret Miller

Margaret Miller, Recorder



MID WILLAMETTE VALLEY COUNCIL OF GOVERNMENTS

ROOM 305 ★ CIVIC CENTER, 555 LIBERTY STREET S.E., SALEM, OREGON 97301
TELEPHONE (503) 588-6177

W. J. KVARSTEN, Director

July 30, 1974

Mayor
City Hall
Newberg, OR 97132

Dear Mayor:

As you may already know, the Mid Willamette Valley Council of Governments has developed a Water Quality Management Plan for Marion, Polk, and Yamhill Counties. This Plan has examined the adequacy of existing sewerage systems relative to the new sewerage standards of the State and has developed a series of recommendations regarding the ability of regional sewerage systems to meet these standards. A regional system involves the connection by a single sewer of a series of communities, with sewage treatment performed at the farthest downstream site. In some cases the Plan found that regional systems were economically feasible, in other cases they were determined to be too costly, and the Plan only recommended that the existing sewage treatment be upgraded to meet the new standards.

The City of Newberg is affected by the recommendations of this Plan. For detailed information on this recommendation, I suggest you consult the "Regional Systems Evaluation" section of the Plan, which you should have received some months ago, or Mr. Curt Smelser (588-6177) of the COG staff.

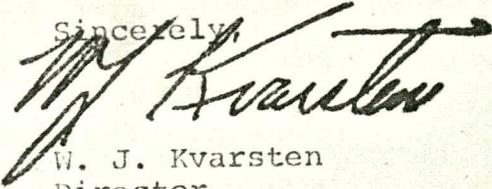
The Department of Environmental Quality is responsible for the operation of sewerage systems and has just concluded a review of the Water Quality Management Plan. A copy of that letter is attached for your review. As the letter points out, the Plan has been designed to examine the feasibility of regional sewerage systems and its discussion of changes to sewage treatment plants has been used to provide a basis of comparison between the costs of developing a regional system as against the costs of upgrading the existing sewage treatment plants of individual communities. Because the Plan's evaluation of the upgrading of sewage treatment plants was necessarily limited, a more detailed engineering study may find that a different solution is more practical, and it is possible that the treatment systems discussed in the Plan may or may not be ultimately approved by the DEQ.

MEMBER AGENCIES:

State of Oregon. COUNTIES: Marion, Polk, Yamhill. CITIES: Salem, Woodburn, Silverton, Stayton, Mt. Angel, Turner, Dallas, Falls City, Independence, Monmouth, McMinnville, Newberg, Sheridan, Lafayette, Amity, Carlton, Willamina, Dayton. SPECIAL DISTRICTS: Marion Fire #1, Polk Co. I.E.D., Marion County I.E.D., Salem Public Schools, Marion, Polk, Yamhill Soil and Water Conservation Districts.

The Departments' letter indicated general agreement with the Plan's recommendations. However, these recommendations are still in the process of review and can be changed to better fit local desires and conditions. Should you wish to make comment on this Plan prior to its final adoption, or on the DEQ letter of evaluation, please feel free to contact Mr. Smelser.

Sincerely,

A handwritten signature in dark ink, appearing to read "W. J. Kvarsten". The signature is written in a cursive style with a large, sweeping initial "W".

W. J. Kvarsten
Director

D3/6



DEPARTMENT OF ENVIRONMENTAL QUALITY

NORTHWEST REGION

1010 N.E. COUCH STREET • PORTLAND, OREGON • 97232 • (503) 238-8471

TOM McCALL
GOVERNOR

KESSLER R. CANNON
Director

E. J. WEATHERSBEE
Region Administrator

June 27, 1974

Mr. Wes Kvarsten, Director
Mid Willamette Valley
Council of Governments
Room 30 - Civic Center
Salem, Oregon 97301

Re: WQ - Water Quality Mgmt. Plan
Salem District, N.W. Region

Dear Mr. Kvarsten:

The draft copy of the Water Quality Management Plan prepared by the Mid Willamette Valley Council of Governments for Marion, Polk and Yamhill Counties has been reviewed by the Department of Environmental Quality in regard to our current and projected water quality programs. In order to adequately comment on such a comprehensive document, we have separated the document into the following three categories:

1. General
2. Inventory and Evaluation of Municipal Sewerage Systems
3. Regional System Evaluation

For those systems where the Department is in agreement with the discussion and evaluation, the word "concur" has been used.

GENERAL

The report on the evaluation of individual sewerage systems as well as regional possibilities, has proposed various sewage treatment schemes. Such schemes may be a basis for comparing upgrading costs versus regionalization costs (cost effective analysis); however, the outlined systems may not be the type approved by the Department of Environmental Quality. The counties, cities, and other related entities reading this document must be made aware of this in order to eliminate any preconceived ideas for specific treatment plants. Council of Government emphasis should be on land use patterns as related to growth of sewer systems, and not treatment plants and the degree of treatment that must be provided at a given locality.



Contains
Recycled
Materials

In most cases, the document prepared will give individual cities, as well as groups of cities, a better idea of how to proceed with future sewerage needs. Further detail studies will be needed only in treatment plant selection, thus eliminating expensive regional studies. In other cases, more extensive study will be needed to evaluate the best approach to meeting the long term water quality needs of the area.

The program of upgrading stabilization ponds to meet EPA standards by July 1, 1977, may not apply to all existing systems. Certain systems by their unique operating characteristics are now able to comply. Other systems which are relatively new, not at capacity, and do not discharge during low flow periods (June-November), are being required to submit a report in early 1976 which will recommend specific compliance schedules for meeting water quality standards.

In conclusion to the general comments it should be noted that the River Basin Plan effluent guidelines are only tentative and are subject to change prior to adoption, which could change the conclusions in the report's evaluation.

Inventory and Evaluation of Municipal Sewerage System

Marion County

1. Aumsville - The present population of the city of Aumsville is 1350 with a design capacity of 1700. The design capacity, however, is dependent upon the city resolving infiltration/inflow problems which has been prevalent in their new sewer systems.
2. Aurora - Aurora has never been surveyed in regard to septic tank problems. Unknown problems could be present.
3. Detroit - Highly permeable soils are just as bad as low permeable soils in that adequate treatment of waste is not provided.
4. Donald - A recent investigation of the city has revealed many malfunctioning septic tank systems and a lot of unanswered questions on others. The only solution to these problems appears to be a community sewerage system as soon as possible.
5. Gates - Concur.

6. Gervais - There are presently 775 people served by the city's sewer system, which is capable of handling 890. The receiving stream for the treated effluent is inadequate, due to location and flows.
7. Hubbard - In the evaluation of Mill Creek at Hubbard, it was stated that 3.1 cfs of water was available during summer. Field checks of Mill Creek above the city of Woodburn has shown the stream to be almost dry during summer, therefore, the 3.1 cfs noted above must include Woodburn's treated discharge.
8. Idanha - The comments for Detroit would also apply here.
9. Jefferson - Jefferson discharges its treated effluent to the Santiam River, not the North Santiam River.
10. Mt. Angel - See the enclosed copy of the Department's letter to Mount Angel, dated August 28, 1973.
11. Mill City - Concur.
12. St. Paul - Concur.
13. Salem - Concur.
14. Scotts Mill - Concur.
15. Silverton - The treatment efficiency of the plant needs to be re-evaluated.
16. Stayton - Concur.
17. Sublimity - Concur.
18. Turner - Concur.
19. Woodburn - The city of Woodburn operates a dual treatment system (trickling filter and stabilization pond). The trickling filter was originally designed for a flow of 0.96 MGD; however, when the stabilization pond was constructed, the Department required the flow to be reduced to 0.64 MGD, with the objective of producing a better effluent quality. Therefore, only 0.64 MGD is available for use. (See enclosed letter from the Department to the Boundary Commission, dated May 31, 1974 on Woodburn's capacity.)

Polk County

1. Dallas - Concur
2. Falls City - Concur
3. Independence - Concur
4. Monmouth - Concur

Yamhill County

1. Amity - Concur
2. Carlton - Concur
3. Dayton - The population capacity of the Dayton sewerage system was recently increased from 1000 to 1500 people after revaluation of the treatment plant, flows and loadings.
4. Dundee - Concur
5. Lafayette - It has been the Department's findings that the suspended solids in the final effluent has been in the 75-100 mg/l range.
6. McMinnville - Concur
7. Newberg - Concur
8. Sheridan - Concur
9. Willamina - The treated effluent from Willamina is discharged to Willamina Creek, not the South Yamhill River.
10. Yamhill - Concur

Regional System Evaluation

1. Mill City - Gates Sewerage System - Concur.
2. Labish Village - Concur; program is presently underway.
3. Turner-Aumsville-Cascade Union High School - See the enclosed copy of the Department's letter dated June 17, 1974, to the aforesaid entities.

4. Sublimity-Stayton Sewerage System - Concur; Program is presently underway.
5. Dallas-Rickreall - Concur
6. Mommouth-Independence - Concur; program is presently underway.
7. Dundee-Newberg - See the enclosed copy of the Department's letter dated May 10, 1974, to the city of Newberg.
8. Willamina-Sheridan - A recent survey of the area just west of Sheridan by the Yamhill County Health Department, disclosed a seriously high percentage of malfunctioning septic tank systems. This area is currently served by the Sheridan water system and logically should be served by the city's sewers as well. This would shorten the interceptor needed between Sheridan and Willamina and could be the beginning program for a regional system. This possibility needs to be further explored in greater detail with both cities participating. The Department presently has some grant-loan money set aside for such a study.
9. North Marion County - This Department has evaluated the receiving streams in the North Marion County area over the past several years. All are inadequate including the Pudding due to low flows and sluggish flow characteristics. The original regional approach proposed the Willamette River as a receiving stream, thus eliminating the inadequate streams for summer and winter usage. However, as analyzed in the report, such a system is presently financially unfeasible compared to upgrading existing systems.

At the present size of the fast growing communities in this area, upgrading individual systems or creating smaller regional systems seems possible. Currently this Department is looking at the elimination of summer discharges (low flow period of June to November). Therefore, holding or spray irrigation become possible alternatives. As the cities grow and this alternative becomes unrealistic due to magnitude, your study shows the Pudding River as a possible receiving stream. Again, this would be an interim approach due to the Pudding River's deficiencies as a receiving stream. In essence, the ultimate regional system could develop as originally proposed at some time in the future.

This Department, therefore, only wants to stress, in commenting on your recommended program, that funneling all treated wastes to the Pudding River, especially during the summer, is a program with a definite end period at a future date. The cities in this area should be made aware of this fact.

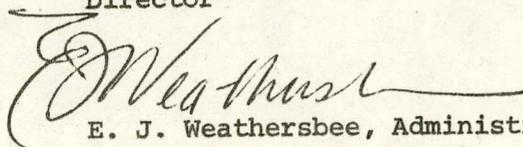
In evaluating future needs of the communities (Woodburn and Gervais), the possibilities of a smaller regional system should be considered. It is our view that a regional management system deserves a lot of further consideration, especially in this area.

In conclusion, the Department feels that a lot of good effort has gone into this report, which will benefit the Willamette Valley Cities now and in the future. In considering the Department's comments in preparing the final draft, we want to make sure that all entities involved understand that the approval of treatment systems and effluent discharges is a Department of Environmental Quality function and that the systems evaluated in the report were primarily for comparing costs and may not be the same facilities that the Department might ultimately require in order to meet present and future water quality standards. We would also encourage MWVCOG to trend towards regional management programs since more sophisticated treatment systems for higher degrees of treatment in the future will necessitate a high level of management and operation.

If there are any questions regarding the above comments, please feel free to contact this office or Salem District Engineer, Russell Fetrow, telephone: 378-8240, Salem.

Very truly yours,

KESSLER R. CANNON
Director

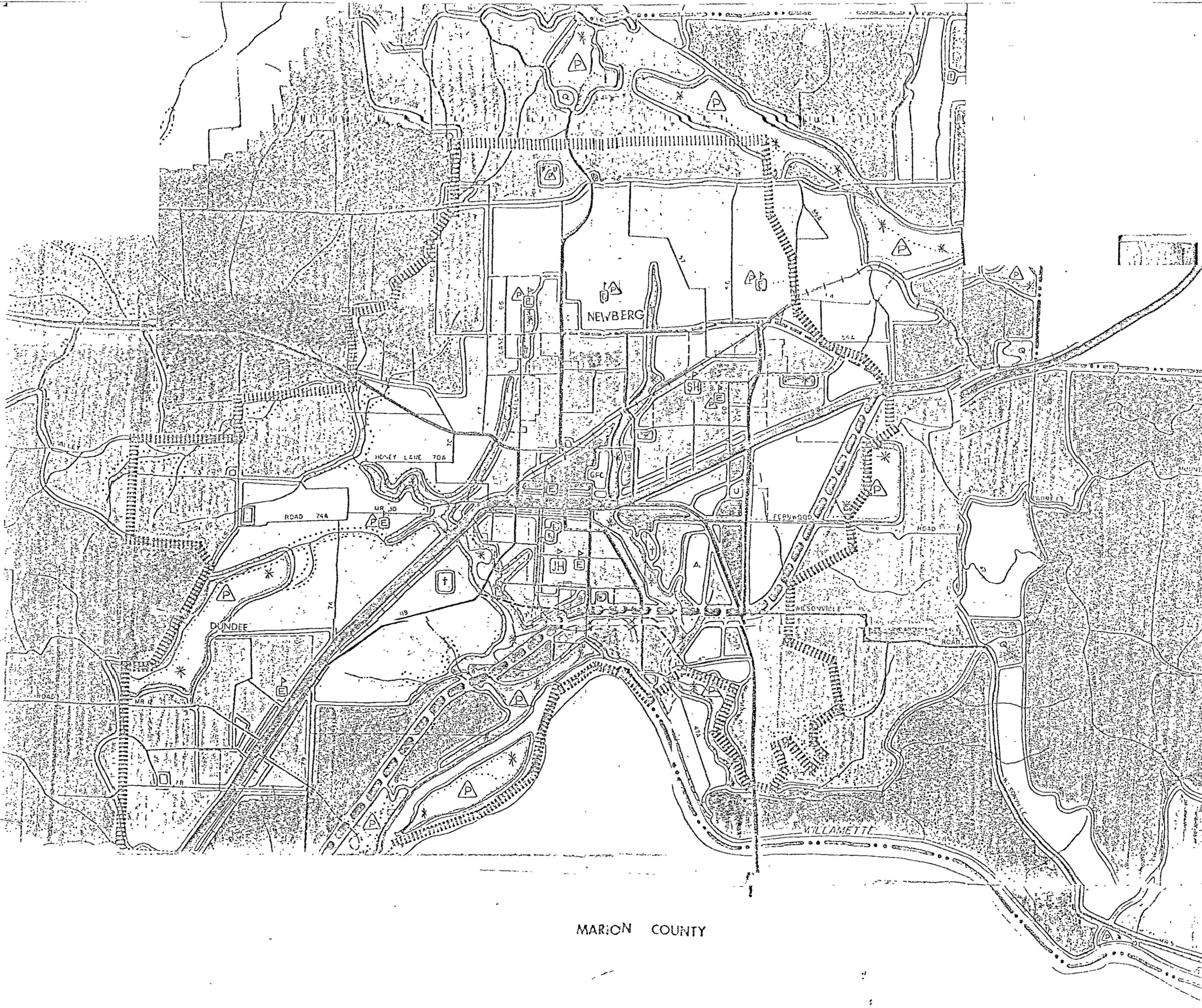


E. J. Weathersbee, Administrator
Northwest Region Office

RHF/ks

Enclosures

cc: RHF, SDE, DEQ
cc: PDC, WQD, DEQ
cc: Tom Lucas, River Basin Planning, DEQ



MARION COUNTY