

AREA 9

ITEMS OF WORK & MAT'LS	QUANTITY	UNIT PRICE	TOTAL AMOUNT
8" ASTM C-14, CL 3 CSP	2475 LF	\$ 25 00 LF	\$ 61,875 00
6" ASTM C-14, CL 3 CSP	1025 LF	\$ 22 00 LF	\$ 22,550 00
6"X8" TEE, ASTM C-14, CL 3	41 EA	\$ 100 00 EA	\$ 4,100 00
48" STD PRECAST MH	7 EA	\$ 1,800 00 EA	\$ 12,600 00
48" STD PRECAST MH, OVER 8'	0 LF	\$ 200 00 LF	\$ -
8" CONNECTION TO EXISTING MH	1 EA	\$ 600 00 EA	\$ 600 00
8" CONNECTION TO EXISTING PIPE	0 EA	\$ 400 00 EA	\$ -
COMMON TRENCH EXC & NATIVE BACKFILL	2864 CY	\$ 15 00 CY	\$ 42,965 28
CSP PIPE BEDDING CLASS "C"	859 CY	\$ 25 00 CY	\$ 21,482 64
IMP GRANULAR BACKFILL	2005 CY	\$ 10 00 CY	\$ 20,050 46
AC PAVEMENT REPLACEMENT 2" THICK	1070 SY	\$ 20 00 SY	\$ 21,397 22
ROCK SURFACING	0 CY	\$ 20 00 CY	\$ -
CONCRETE CURB REPLACEMENT	123 LF	\$ 20 00 LF	\$ 2,460 00
SIDEWALK REPLACEMENT	369 SF	\$ 50 00 SF	\$ 18,450 00
SUMP REPLACEMENT	0 EA	\$ 10,000 00 EA	\$ -
RECONSTRUCT EXIST INLET	3 EA	\$ 500 00 EA	\$ 1,500 00
TOTAL CONSTRUCTION COST			\$ 230,030.60
TOTAL PROJECT COST			\$ 322,042.84
EXISTING HOMES SERVED	39 EA		
VACANT LOTS SERVED	2 EA		
TOTAL SERVICES	41 EA		
TOTAL COST PER SERVICE			\$ 7,854.70

COST ESTIMATES

Sewer Extension Master Plan

Priority Criteria and Scoring

Project Area Number

9

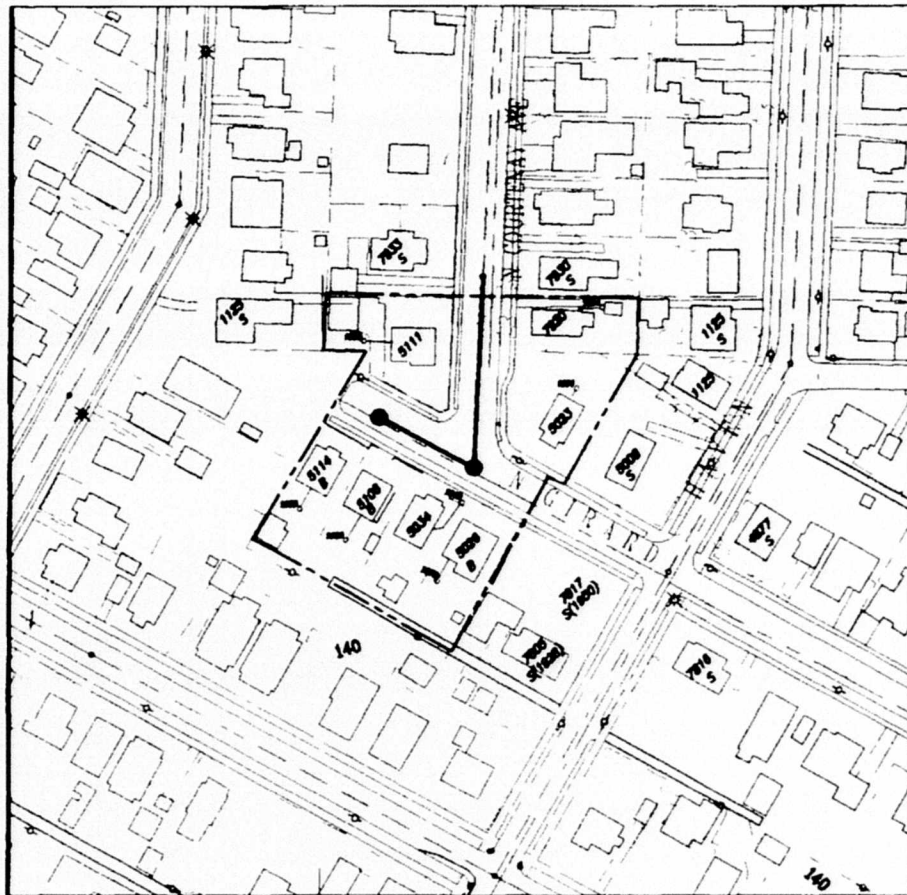
CRITERIA	GUIDELINES	SCORE
I Public Health		
1 Does the area have any record of septic system failure or public health problems?	0 = None 10 = Many, well documented 5 = No Record	5
2 How many septic systems have been replaced? None 25 Percent 50 Percent > 50 percent No records exist	0 points 4 points 7 points 9 points 5 points	4
II Implementation		
1 Is the project in a CSO impact area?	Yes <input checked="" type="checkbox"/> No	
2 If yes, will the CSO project occur Before year 2000? Year 2000 - 2010? After 2010? Not in a CSO project area	9 points 5 points 2 points 1 point	9
3 Are there any other city projects planned in the same area * within 3 years? 5 years? 10 years? None planned	8 points 6 points 3 points 0 points	0
4 Will the project impact any environmental zones during construction?	yes - 3 points no - 8 points	8
III Project Costs		
1 Is the average cost per residence < 80 % of city average? > 80 % < 120 % of city average > 120 % of city average	8 points 5 points 2 points	5

* Annual CIP review should include survey of other bureaus for area projects

AREA 10

35471

THIS NUMBER NOT USED

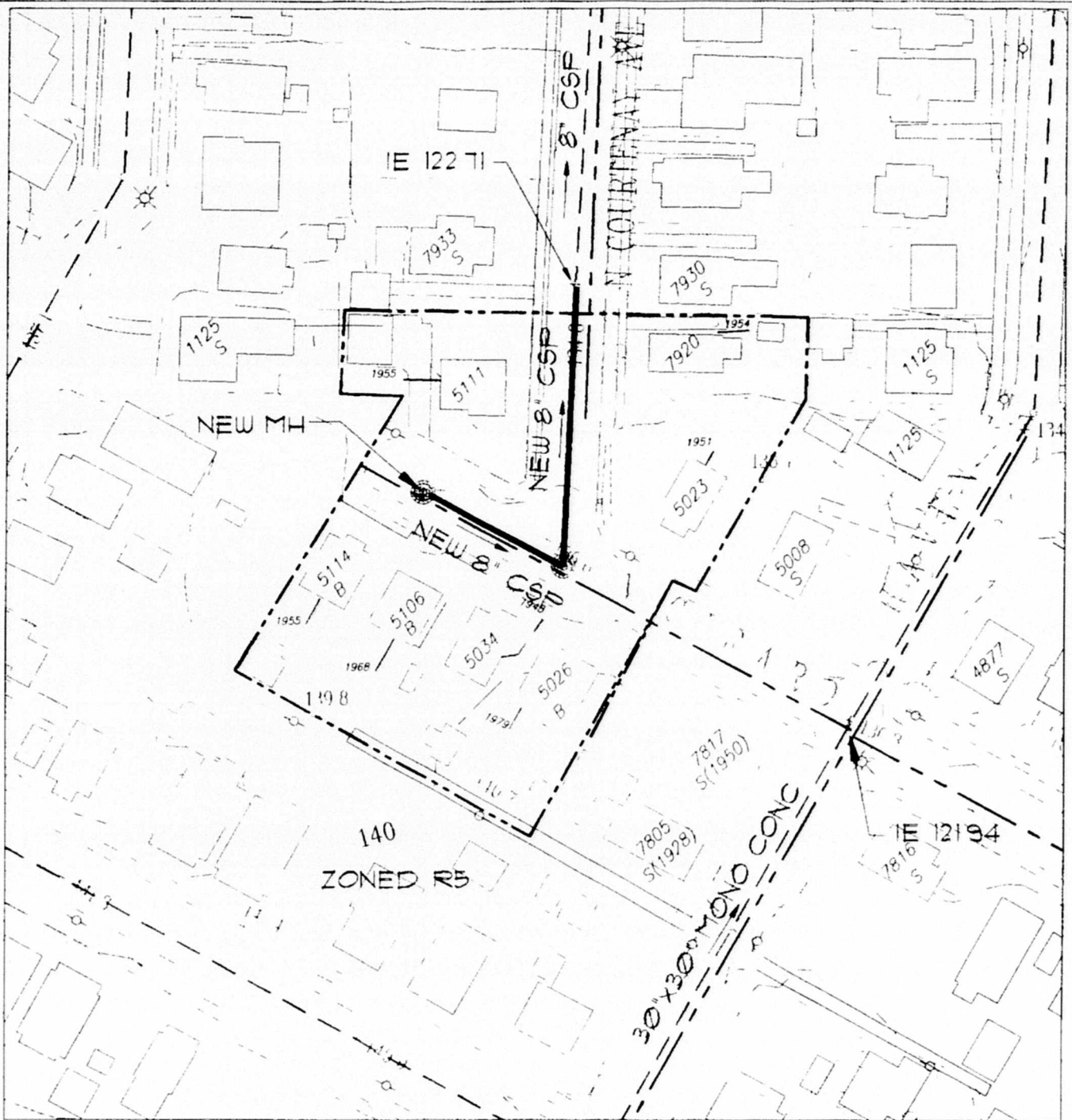


NEIGHBORHOOD
 QUARTER SECTION
 LOCATION.

PORTSMOUTH
 2225
 N GIRARD ST
 N HODGE TO HAVEN AVE

CONTRIBUTES TO CSO?

NO



LEGEND

- NEW SANITARY LINE —————
- EXISTING SANITARY LINE - - - - -
- EXISTING STORM LINE - - - - -
- EXISTING WATER LINE —————
- BOUNDARY LINE - - - - -
- FENCE LINE —————
- LOT LINES - - - - -
- EXISTING MANHOLE ⊙
- NEW MANHOLE ⊙

B - BASEMENT
S - SEWER CONNECTED



SCALE 1" = 80'

AREA 11

**BUREAU OF ENVIRONMENTAL SERVICES
SEWER EXTENSION MASTER PLAN
PROJECT NO. 5308**

AREA NO 11

NEIGHBORHOOD Portsmouth

LOCATION. N Girard west of
N Haven Avenue

QUARTER SECTION 2225

Project Description:

This project will provide sanitary sewer service to 7 homes in the Portsmouth neighborhood. The line will begin with a connection to the existing sewer system at the intersection of N Haven and N Girard and extend for 280 feet to the west. This line will serve 6 of the 7 homes in the area. The seventh home located at 7920 N Courtney Avenue may be served by a 40-foot service extension from the terminal manhole on N Courtney. Completion of this project will allow removal of 7 existing septic systems.

The following figures and tables present detailed information about this project.

Priority Ranking:

Review of the existing septic system conditions and the age of the existing systems place this project as the number 38 priority. The residences in this project area were constructed in the late 1940's and early 1950's and some of the septic system installed at that time are still in service. Records indicate that 2 of the 7 homes have had new septic systems installed following the original installation with the latest of these installations occurring in 1979. No apparent or reported problems exist with the other homes.

Project Cost:

Construction of this project will cost about \$ 43,850. This includes provision of service lines to the edge of the property of each home. In all, 7 homes will receive sewage service connections to the public system.

On average this project will cost \$ 6264 per residence. This compares to a city-wide average of \$ 9769 per residence for all similar projects.

**CRANE MERSETH
ENGINEERING/SURVEYING
UN SEWERED AREAS**

AREA	PARCEL	OWNER FIRST NAME	LAST NAME	SITE	ADDRESS	CITY	ZIP
11	R67070 6640	Bnan	Dibble	7920	N Courtenay Ave	Portland	97203
11	R85131 1910	Donald R	Bowen Sr	5023	N Girard St	Portland	97203
11	R85131 1690	Richard W & Patricia M	Ley	5026	N Girard St	Portland	97203
11	R85131 1670	Teresa M	McCoy	5034	N Girard St	Portland	97203
11	R85131 1650	Raymond G & Nevajean	Slossen	5106	N Girard St	Portland	97203
11	R85131 1940	Kenny G	Rogers	5111	N Girard St	Portland	97203
11	R85131 1630	Kelly L & Robin S	Childers	5114	N Girard St	Portland	97203

AREA 11

35471

ITEMS OF WORK & MAT'LS	QUANTITY	UNIT PRICE	TOTAL AMOUNT
8" ASTM C-14, CL 3 CSP	256 LF	\$ 25 00 LF	\$ 6,400 00
6" ASTM C-14, CL 3 CSP	175 LF	\$ 22 00 LF	\$ 3,850 00
6"X8" TEE, ASTM C-14, CL 3	7 EA	\$ 100 00 EA	\$ 700 00
48" STD PRECAST MH	2 EA	\$ 1,800 00 EA	\$ 3,600 00
48" STD PRECAST MH, OVER 8'	0 LF	\$ 200 00 LF	\$ -
8" CONNECTION TO EXISTING MH	1 EA	\$ 600 00 EA	\$ 600 00
8" CONNECTION TO EXISTING PIPE	0 EA	\$ 400 00 EA	\$ -
COMMON TRENCH EXC & NATIVE BACKFILL	341 CY	\$ 15 00 CY	\$ 5,114 72
CSP PIPE BEDDING CLASS "C"	102 CY	\$ 25 00 CY	\$ 2,557 36
IMP GRANULAR BACKFILL	239 CY	\$ 10 00 CY	\$ 2,386 87
AC PAVEMENT REPLACEMENT 2" THICK	127 SY	\$ 20 00 SY	\$ 2,542 78
ROCK SURFACING	0 CY	\$ 20 00 CY	\$ -
CONCRETE CURB REPLACEMENT	21 LF	\$ 20 00 LF	\$ 420 00
SIDEWALK REPLACEMENT	63 SF	\$ 50 00 SF	\$ 3,150 00
SUMP REPLACEMENT	0 EA	\$ 10,000 00 EA	\$ -
RECONSTRUCT EXIST INLET	0 EA	\$ 500 00 EA	\$ -
TOTAL CONSTRUCTION COST			\$ 31,321.73
TOTAL PROJECT COST			\$ 43,850.42
EXISTING HOMES SERVED	7 EA		
VACANT LOTS SERVED	0 EA		
TOTAL SERVICES	7 EA		
TOTAL COST PER SERVICE			\$ 6,264.35

COST ESTIMATES

PRIORITY RATING

Sewer Extension Master Plan

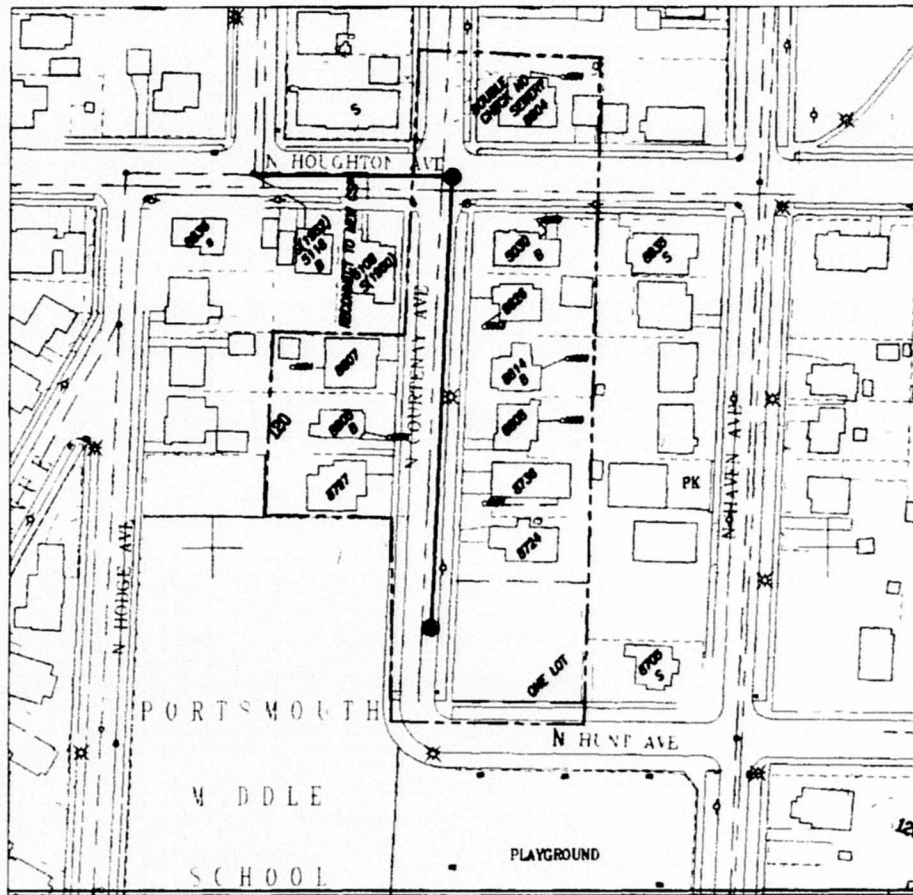
Priority Criteria and Scoring

Project Area Number

11

CRITERIA	GUIDELINES	SCORE
I Public Health		
1 Does the area have any record of septic system failure or public health problems?	0 = None 10 = Many, well documented 5 = No Record	0
2 How many septic systems have been replaced? None 25 Percent 50 Percent > 50 percent No records exist	0 points 4 points 7 points 9 points 5 points	0
II Implementation		
1 Is the project in a CSO impact area?	Yes <input checked="" type="checkbox"/> No	
2 If yes, will the CSO project occur Before year 2000? Year 2000 - 2010? After 2010? Not in a CSO project area	9 points 5 points 2 points 1 point	9
3 Are there any other city projects planned in the same area * within 3 years? 5 years? 10 years? None planned	8 points 6 points 3 points 0 points	0
4 Will the project impact any environmental zones during construction?	yes - 3 points no - 8 points	8
III Project Costs		
1 Is the average cost per residence < 80 % of city average? > 80 % < 120 % of city average > 120 % of city average	8 points 5 points 2 points	8

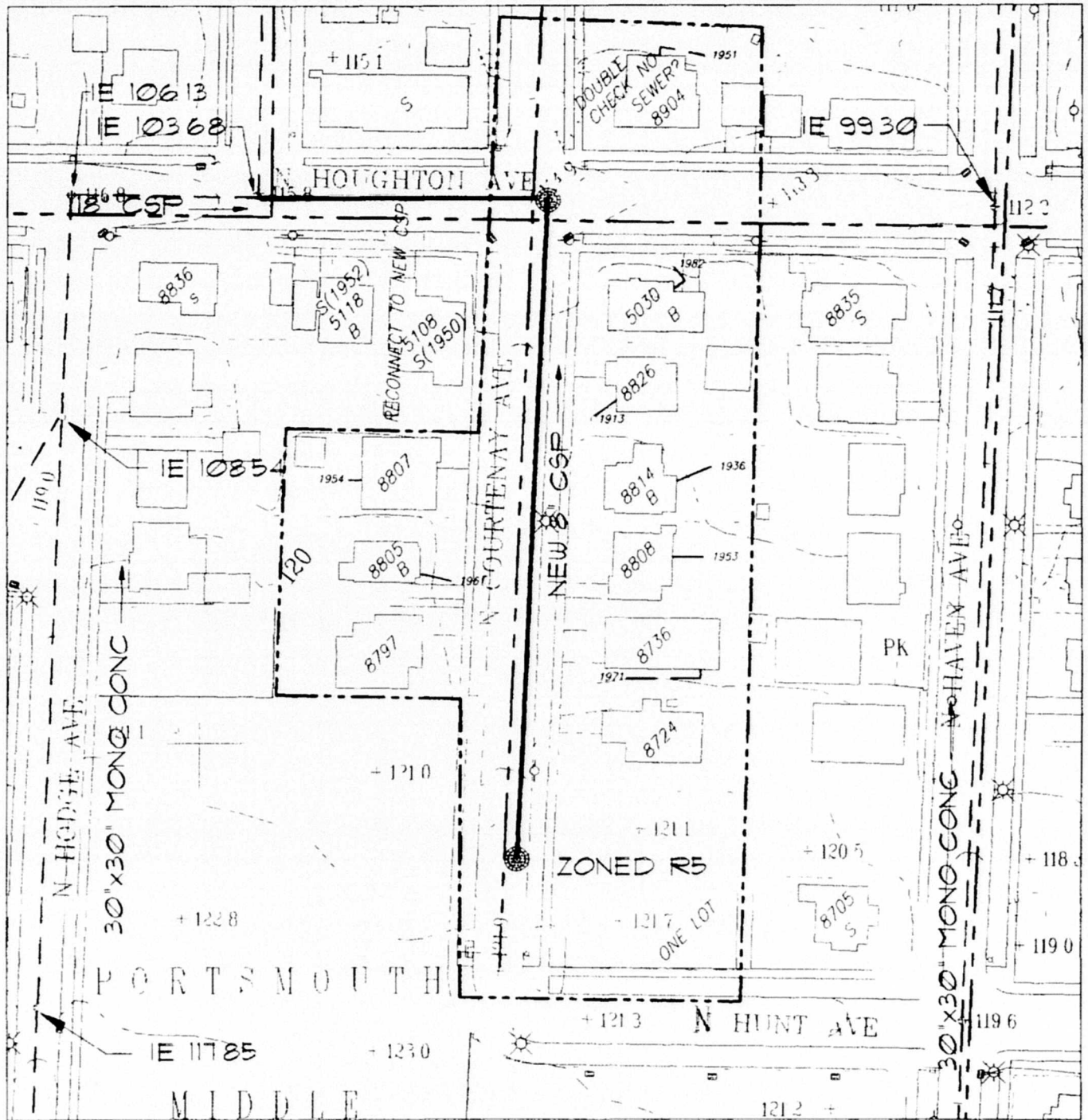
* Annual CIP review should include survey of other bureaus for area projects



NEIGHBORHOOD
 QUARTER SECTION
 LOCATION
 CONTRIBUTES TO CSO?

PORTSMOUTH
 2125
 N HOUGHTON TO HUNT ST
 N COURTENAY AVE

NO



LEGEND

- NEW SANITARY LINE
- EXISTING SANITARY LINE
- EXISTING STORM LINE
- EXISTING WATER LINE
- BOUNDARY LINE
- FENCE LINE
- LOT LINES
- EXISTING MANHOLE
- NEW MANHOLE

B - BASEMENT
S - SEWER CONNECTED



SCALE 1"=80'
AREA 12

**BUREAU OF ENVIRONMENTAL SERVICES
SEWER EXTENSION MASTER PLAN
PROJECT NO. 5308**

AREA NO. 12

NEIGHBORHOOD Portsmouth

LOCATION N. Courtenay Avenue and
N. Houghton Avenue

QUARTER SECTION 2125

Project Description:

This project extends along two crossing streets in the Portsmouth neighborhood. It will provide sanitary sewer service to 11 homes and 2 vacant lots. The line will begin with a connection to the existing sewer system 160 feet west of the intersection of N Houghton and N Courtenay Avenue and will extend easterly 160 feet on N Houghton to N Courtenay. At that point, it will extend south on N Courtenay a distance of 410 feet, stopping short of N Hunt Avenue. Along the route, service connections will be extended to 11 homes.

The following figures and tables present detailed information about this project.

Priority Ranking:

City records do not indicate the age or location of septic systems serving the homes in the project area. The homes in the area are estimated to be about 60 years old. Without plumbing records, documentation of septic system failure or repair is not easily available. This project is ranked as priority number 40.

Project Cost:

Construction of this project will cost about \$ 77,000. This includes provision of service lines to the edge of the property of each home. In all, 11 homes will receive sewage service connections to the public system.

On average this project will cost \$ 7008 per residence. This compares to a city-wide average of \$ 9769 per residence for all similar projects.

**CRANE MERSETH
ENGINEERING/SURVEYING
UN SEWERED AREAS**

AREA	PARCEL	OWNER FIRST NAME	LAST NAME	SITE	ADDRESS	CITY	ZIP
12	R67053 1380	Dorothy	Hillier	8904	N Courtenay Ave	Portland	97203
12	R67053 1420	SELVIDGE NORMAN F & FLORENCE		8924	N Courtenay Ave	Portland	97203
12	R67053 1480	William C & Dorothy M	Remmick	8938	N Courtenay Ave	Portland	97203
12	R67053 1500	Frederick A & Odessia	Stevens	8950	N Courtenay Ave	Portland	97203
12	R67053 1540	Dan W	Clancy	8958	N Courtenay Ave	Portland	97203
12	R67070 4800	Dorothy Mae & George A	Rose	8724	N Courtenay Ave	Portland	97203
12	R67070 4820	Dolores H	Macapinlac	8736	N Courtenay Ave	Portland	97203
12	R67070 4840	Judy L	Bannerman	8808	N Courtenay Ave	Portland	97203
12	R67070 4860	Patricia D	Johnson	8814	N Courtenay Ave	Portland	97203
12	R67070 4880	Michael H & Holly	Houston	8826	N Courtenay Ave	Portland	97203
12	R67053 1190	James G & Catherine A	Smith	8925	N Courtenay Ave	Portland	97203

ITEMS OF WORK & MAT'LS	QUANTITY	UNIT PRICE	TOTAL AMOUNT
8" ASTM C-14, CL 3 CSP	536 LF	\$ 25 00 LF	\$ 13,400 00
6" ASTM C-14, CL 3 CSP	275 LF	\$ 22 00 LF	\$ 6,050 00
6"X8" TEE, ASTM C-14, CL 3	11 EA	\$ 100 00 EA	\$ 1,100 00
48" STD PRECAST MH	2 EA	\$ 1,800 00 EA	\$ 3,600 00
48" STD PRECAST MH, OVER 8'	0 LF	\$ 200 00 LF	\$ -
8" CONNECTION TO EXISTING MH	1	\$ 600 00 EA	\$ 600 00
8" CONNECTION TO EXISTING PIPE	0 EA	\$ 400 00 EA	\$ -
COMMON TRENCH EXC & NATIVE BACKFILL	655 CY	\$ 15 00 CY	\$ 9,820 28
CSP PIPE BEDDING CLASS "C"	196 CY	\$ 25 00 CY	\$ 4,910 14
IMP GRANULAR BACKFILL	458 CY	\$ 10 00 CY	\$ 4,582 80
AC PAVEMENT REPLACEMENT 2" THICK	244 SY	\$ 20 00 SY	\$ 4,887 22
ROCK SURFACING	0 CY	\$ 20 00 CY	\$ -
CONCRETE CURB REPLACEMENT	33 LF	\$ 20 00 LF	\$ 660 00
SIDEWALK REPLACEMENT	99 SF	\$ 50 00 SF	\$ 4,950 00
SUMP REPLACEMENT	0 EA	\$ 10,000 00 EA	\$ -
RECONSTRUCT EXIST INLET	1 EA	\$ 500 00 EA	\$ 500 00
TOTAL CONSTRUCTION COST			\$ 55,060.44
TOTAL PROJECT COST			\$ 77,084.61
EXISTING HOMES SERVED	10 EA		
VACANT LOTS SERVED	1 EA		
TOTAL SERVICES	11 EA		
TOTAL COST PER SERVICE			\$ 7,007.69

COST ESTIMATES

PRIORITY RATING

Sewer Extension Master Plan

Priority Criteria and Scoring

Project Area Number

12

CRITERIA	GUIDELINES	SCORE
I Public Health		
1 Does the area have any record of septic system failure or public health problems?	0 - None 10 - Many, well documented 5 - No Record	0
2 How many septic systems have been replaced? None 25 Percent 50 Percent > 50 percent No records exist	0 points 4 points 7 points 9 points 5 points	0
II Implementation		
1 Is the project in a CSO impact area?	Yes <input checked="" type="checkbox"/> No	
2 If yes, will the CSO project occur Before year 2000? Year 2000 - 2010? After 2010? Not in a CSO project area	9 points 5 points 2 points 1 point	9
3 Are there any other city projects planned in the same area * within 3 years? 5 years? 10 years? None planned	8 points 6 points 3 points 0 points	0
4 Will the project impact any environmental zones during construction?	yes - 3 points no - 8 points	8
III Project Costs		
1 Is the average cost per residence < 80 % of city average? > 80 % < 120 % of city average > 120 % of city average	8 points 5 points 2 points	8

* Annual CIP review should include survey of other bureaus for area projects



NEIGHBORHOOD
 QUARTER SECTION
 LOCATION:

PORTSMOUTH

2125

N NEWMAN AVE

N HOUGHTON ST TO WILLIS BLVD

CONTRIBUTES TO CSO?

NO



LEGEND

- NEW SANITARY LINE
- EXISTING SANITARY LINE
- EXISTING STORM LINE
- EXISTING WATER LINE
- BOUNDARY LINE
- FENCE LINE
- LOT LINES
- EXISTING MANHOLE
- NEW MANHOLE

B - BASEMENT
S - SEWER CONNECTED



SCALE 1" = 150'

AREA 13

**BUREAU OF ENVIRONMENTAL SERVICES
SEWER EXTENSION MASTER PLAN
PROJECT NO. 5308**

AREA NO 13

NEIGHBORHOOD Portsmouth

LOCATION N. Newman Avenue
between N Willis and
N Houghton Street

QUARTER SECTION 2125

Project Description:

This project will provide sanitary sewer service to 12 existing homes and 1 vacant lot. The line will begin with a connection to the existing sewer system approximately 80 feet east of the intersection of N Houghton Street and N Newman Avenue and will extend 80 feet west along N Houghton to N Newman. It will then extend about 835 feet south on N Newman Avenue to its terminus. Completion of this project will allow removal of 12 existing septic systems.

The following figures and tables present detailed information about this project.

Priority Ranking:

Review of the existing septic system conditions and the age of the existing systems place this project as the 19th priority. The residences in this project area were constructed in the mid-1920's and some of the septic system installed at that time are still in service. The most recent septic system repairs or replacements in the project area were done in the late 1970's and early 1980's. Records indicate that 8 of 12 homes have had new septic systems installed following the original installation with the latest of these installations occurring in 1978.

Project Cost:

Construction of this project will cost about \$ 118,700. This includes provision of service lines to the edge of the property of each home. In all, 12 homes will receive sewage service connections to the public system.

On average this project will cost \$ 9130 per residence. This compares to a city-wide average of \$ 9769 per residence for all similar projects.

**CRANE MERSETH
ENGINEERING/SURVEYING
UN SEWERED AREAS**

AREA	PARCEL	OWNER FIRST NAME	LAST NAME	SITE	ADDRESS	CITY	ZIP
13	R30460 0830	Harold R	Winter	4712	N Houghton St	Portland	97203
13	R30460 0660	Clint M & Denise M	Matylnski	8407	N Newman Ave	Portland	97203
13	R30460 0610	Dorothy E	Alexander	8501	N Newman Ave	Portland	97203
13	R30460 0590	George O & Twila G	Sylvia	8509	N Newman Ave	Portland	97203
13	R30460 0570	Marjone L	Tyrrell	8523	N Newman Ave	Portland	97203
13	R30460 0550	Benny E & Susan E	Davis	8603	N Newman Ave	Portland	97203
13	R30460 0530	Viola M	Hunt	8611	N Newman Ave	Portland	97203
13	R30460 0500	William G & Lou A	Neffendorf	8625	N Newman Ave	Portland	97203
13	R30460 0980	Gerald D	Aasen	8705	N Newman Ave	Portland	97203
13	R30460 0950	Brandon J	Creek	8725	N Newman Ave	Portland	97203
13	R30460 0920	Willard C & Elaine	Freeman Jr	8735	N Newman Ave	Portland	97203
13	R30460 0850	Harold	Winter	8825	N Newman Ave	Portland	97203

ITEMS OF WORK & MAT'LS	QUANTITY	UNIT PRICE	TOTAL AMOUNT
8" ASTM C-14, CL 3 CSP	930 LF	\$ 25 00 LF	\$ 23,250 00
6" ASTM C-14, CL 3 CSP	325 LF	\$ 22 00 LF	\$ 7,150 00
6"X8" TEE, ASTM C-14, CL 3	13 EA	\$ 100 00 EA	\$ 1,300 00
48" STD PRECAST MH	4 EA	\$ 1,800 00 EA	\$ 7,200 00
48" STD PRECAST MH, OVER 8'	0 LF	\$ 200 00 LF	\$ -
8" CONNECTION TO EXISTING MH	0 EA	\$ 600 00 EA	\$ -
8" CONNECTION TO EXISTING PIPE	1 EA	\$ 400 00 EA	\$ 400 00
COMMON TRENCH EXC & NATIVE BACKFILL	1037 CY	\$ 15 00 CY	\$ 15,559 72
CSP PIPE BEDDING CLASS "C"	311 CY	\$ 25 00 CY	\$ 7,779 86
IMP GRANULAR BACKFILL	726 CY	\$ 10 00 CY	\$ 7,261 20
AC PAVEMENT REPLACEMENT 2" THICK	388 SY	\$ 20 00 SY	\$ 7,752 78
ROCK SURFACING	0 CY	\$ 20 00 CY	\$ -
CONCRETE CURB REPLACEMENT	39 LF	\$ 20 00 LF	\$ 780 00
SIDEWALK REPLACEMENT	117 SF	\$ 50 00 SF	\$ 5,850 00
SUMP REPLACEMENT	0 EA	\$ 10,000 00 EA	\$ -
RECONSTRUCT EXIST INLET	1 EA	\$ 500 00 EA	\$ 500 00
TOTAL CONSTRUCTION COST			\$ 84,783.56
TOTAL PROJECT COST			\$ 118,696.99
EXISTING HOMES SERVED	12 EA		
VACANT LOTS SERVED	1 EA		
TOTAL SERVICES	13 EA		
TOTAL COST PER SERVICE			\$ 9,130.54

COST ESTIMATES

PRIORITY RATING

Sewer Extension Master Plan

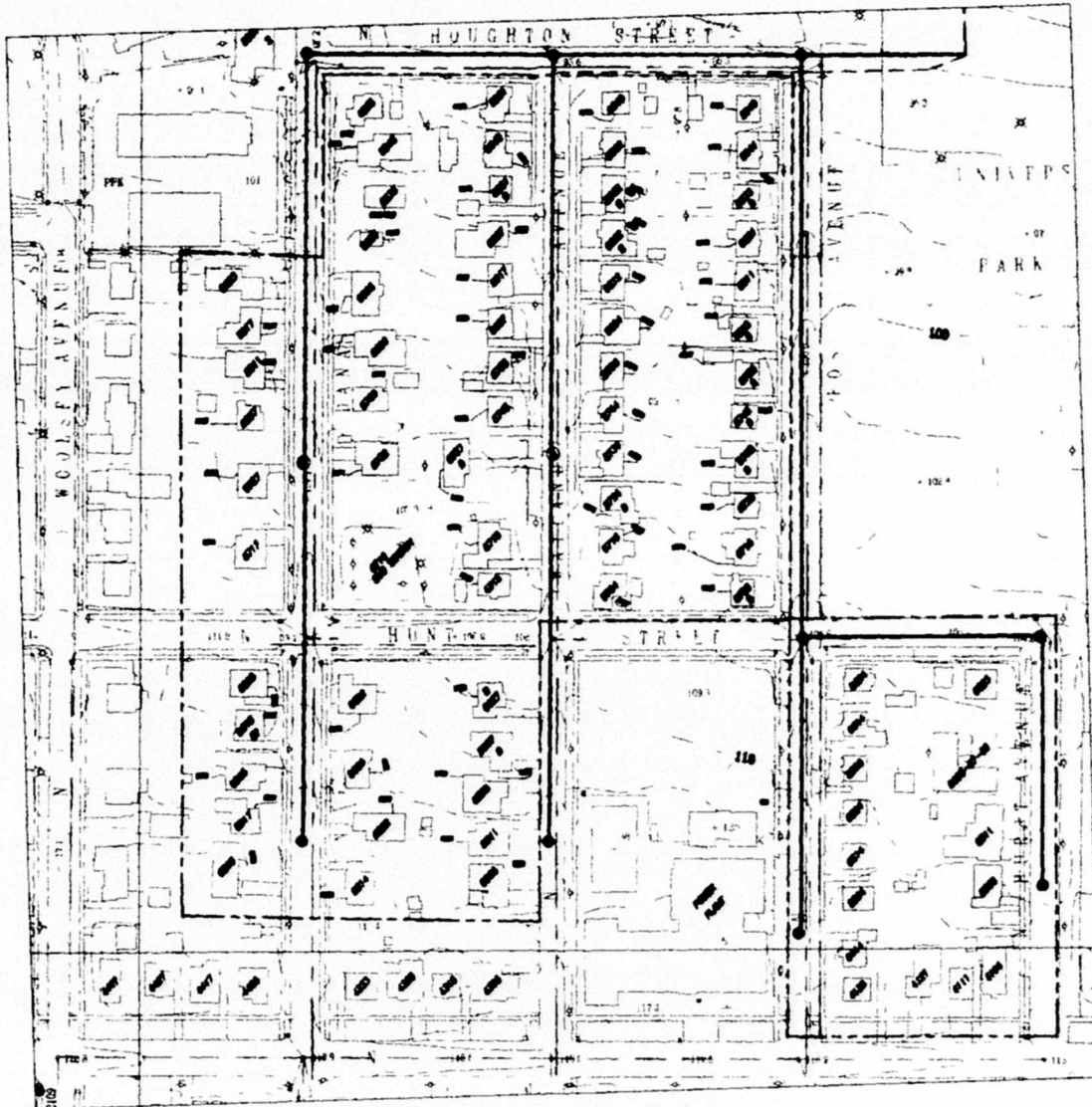
Priority Criteria and Scoring

Project Area Number

13

CRITERIA	GUIDELINES	SCORE
I Public Health		
1 Does the area have any record of septic system failure or public health problems?	0 = None 10 = Many, well documented 5 = No Record	5
2 How many septic systems have been replaced? None 25 Percent 50 Percent > 50 percent No records exist	0 points 4 points 7 points 9 points 5 points	4
II Implementation		
1 Is the project in a CSO impact area?	Yes <input checked="" type="checkbox"/> No	
2 If yes, will the CSO project occur Before year 2000? Year 2000 - 2010? After 2010? Not in a CSO project area	9 points 5 points 2 points 1 point	9
3 Are there any other city projects planned in the same area * within 3 years? 5 years? 10 years? None planned	8 points 6 points 3 points 0 points	0
4 Will the project impact any environmental zones during construction?	yes - 3 points no - 8 points	8
III Project Costs		
1 Is the average cost per residence < 80 % of city average? > 80 % < 120 % of city average > 120 % of city average	8 points 5 points 2 points	5

* Annual CIP review should include survey of other bureaus for area projects



NEIGHBORHOOD
 QUARTER SECTION.
 LOCATION.

PORTSMOUTH
 2126

CONTRIBUTES TO CSO?

N DANA AND WAYLAND AVE
 N WILLIS TO HOUGHTON ST

NO



LEGEND

- NEW SANITARY LINE
- EXISTING SANITARY LINE
- EXISTING STORM LINE
- EXISTING WATER LINE
- BOUNDARY LINE
- FENCE LINE
- LOT LINES
- EXISTING MANHOLE
- NEW MANHOLE

B - BASEMENT
S - SEWER CONNECTED



SCALE 1"=150'

AREA 14

**BUREAU OF ENVIRONMENTAL SERVICES
SEWER EXTENSION MASTER PLAN
PROJECT NO. 5308**

AREA NO 14

NEIGHBORHOOD Portsmouth

LOCATION N Dana, N Wayland
and N Foss Avenues
south of N Houghton St

QUARTER SECTION 2126

Project Description:

This project is comprised of 3 new sanitary sewers each connecting to an existing located on N Houghton Street. The sewer located on Dana Avenue will extend 915 feet south on N Dana from the intersection on N Houghton. It will serve 23 homes. On N Wayland, a similar line will extend south from N Houghton Avenue for a distance of 915 feet and serve 28 homes. The line on N Foss will begin with a connection about 180 feet east of the connection to the existing sewer on N Houghton and extend from there a distance of 990 feet, stopping short of N Willis Street. The system also extends east on N Hunt Street to the intersection of N Hurst where it extends south for 280 feet. An additional 24 homes are served by the lines on N Foss and N Hurst Avenues.

The following figures and tables present detailed information about this project.

Priority Ranking:

Review of the existing septic system conditions and the age of the existing systems place this project as the 39th priority project. The residences in this project area appear to have been constructed in the 1940's and some of the septic system installed at that time are still in service. Building and repair permits indicate that many of the homes had septic system repairs completed during the 1970's. The most recent of these on record was completed in 1991.

Project Cost:

Construction of this project will cost about \$ 568,600 This includes provision of service lines to the edge of the property of each of the 75 homes In all, 75 homes will receive sewage service connections to the public system

On average this project will cost \$ 7533 per residence This compares to a city-wide average of \$ 9769 per residence for all similar projects

CRANE MERSETH
ENGINEERING/SURVEYING
UN SEWERED AREAS

35471

AREA	PARCEL	OWNER FIRST NAME	LAST NAME	SITE	ADDRESS	CITY	ZIP
14	R85131 7220	Richard M & Chelt L & Richard	Regan	8505	N Dana Ave	Portland	97203
14	R85131 7630	Christine	Cook	8514	N Dana Ave	Portland	97203
14	R85131 7200	Portland Community Reinvestmen		8517	N Dana Ave	Portland	97203
14	R85131 7650	Key	Mack	8522	N Dana Ave	Portland	97203
14	R85131 7180	Herman B & Nancy J	Petrick	8605	N Dana Ave	Portland	97203
14	R85131 7880	Portland Community Reinvestmen		8606	N Dana Ave	Portland	97203
14	R85131 7160	Mane E	Bradford	8615	N Dana Ave	Portland	97203
14	R85131 7700	Alice E	Jackson	8622	N Dana Ave	Portland	97203
14	R85131 7140	Danielle M	Johnson	8623	N Dana Ave	Portland	97203
14	R85133 5910	Portland General Electric Co		8710	N Dana Ave	Portland	97203
14	R85133 6280	Gerald H & Anna M	Mueller	8717	N Dana Ave	Portland	97203
14	R85133 6250	John B	Zabell	8727	N Dana Ave	Portland	97203
14	R85133 5970	Robert D	Daly	8732	N Dana Ave	Portland	97203
14	R85133 6000	Mardalee	Kroger	8750	N Dana Ave	Portland	97203
14	R85133 6020	James K & Margaret E	Leforgey	8800	N Dana Ave	Portland	97203
14	R85133 6230	Paul S & Zella M	Pray	8807	N Dana Ave	Portland	97203
14	R85133 6040	Robert W	Strcklin	8808	N Dana Ave	Portland	97203
14	R85133 6210	Sharon L	Ehlmann	8811	N Dana Ave	Portland	97203
14	R85133 6190	David W	Strutz	8817	N Dana Ave	Portland	97203
14	R85133 6170	Ruth L	Pruitt	8823	N Dana Ave	Portland	97203
14	R85133 6070	Tina	Bangle	8838	N Dana Ave	Portland	97203
14	R85133 6110	Michael K	Jamison	8848	N Dana Ave	Portland	97203
14	R85133 3800	John R & Della M	Taylor	8705	N Foss Ave	Portland	97203
14	R85133 3780	Kenneth E & Ruby H	Smith	8715	N Foss Ave	Portland	97203
14	R85133 3760	Sandra S	Shaner	8725	N Foss Ave	Portland	97203
14	R85133 3740	Viola A	Griffitha	8735	N Foss Ave	Portland	97203
14	R85133 3720	Jay L	Fletcher	8745	N Foss Ave	Portland	97203
14	R85133 3700	Ron R	Picha	8755	N Foss Ave	Portland	97203
14	R85133 3680	Frank E	Oramus	8803	N Foss Ave	Portland	97203
14	R85133 3660	Richard D & Barbara M	Nielsen Sr	8811	N Foss Ave	Portland	97203
14	R85133 3640	Frances	Best	8821	N Foss Ave	Portland	97203
14	R85133 3620	Sarah M	Tantau	8833	N Foss Ave	Portland	97203
14	R85133 3600	Glenn L	Cook	8841	N Foss Ave	Portland	97203
14	R85133 3580	Anthony D	Cesey	8849	N Foss Ave	Portland	97203
14	R85133 6140	Martin Grant	Gadbois	4338	N Houghton St	Portland	97203
14	R85131 7530	Wanda R	Carr	8505	N Wayland Ave	Portland	97203
14	R85131 7510	Mint Properties Inc		8511	N Wayland Ave	Portland	97203
14	R85131 7490	Oscar & Dolores	Ream	8525	N Wayland Ave	Portland	97203
14	R85131 7470	Mabel V	Hamilton	8607	N Wayland Ave	Portland	97203
14	R85133 3820	Wanda P	Koehn	8704	N Wayland Ave	Portland	97203
14	R85133 5860	David E & Cheryl	Sellers	8715	N Wayland Ave	Portland	97203
14	R85133 3840	Beverly D	Amus	8716	N Wayland Ave	Portland	97203
14	R85133 3860	Portland Community Reinvestmen		8724	N Wayland Ave	Portland	97203
14	R85133 3880	Michael L	Johnson	8734	N Wayland Ave	Portland	97203
14	R85133 5830	Denise L	Larsen	8737	N Wayland Ave	Portland	97203
14	R85133 3900	William J	Harper III	8744	N Wayland Ave	Portland	97203
14	R85133 5810	William A & Audrey M	Linmon	8745	N Wayland Ave	Portland	97203
14	R85133 5790	Roy N & Patricia A	Streeter	8755	N Wayland Ave	Portland	97203
14	R85133 3920	Gerhard	Hasenkopf	8756	N Wayland Ave	Portland	97203
14	R85133 3940	Donnda	Linder	8804	N Wayland Ave	Portland	97203
14	R85133 5770	Glenn L	Cook	8807	N Wayland Ave	Portland	97203
14	R85133 3960	Naam B & Marie C	Ismael	8812	N Wayland Ave	Portland	97203
14	R85133 5750	Glenn L	Cook	8817	N Wayland Ave	Portland	97203
14	R85133 3980	Lewis C & Alma B	Palmer	8822	N Wayland Ave	Portland	97203
14	R85133 5730	Layne E	Hancock	8827	N Wayland Ave	Portland	97203
14	R85133 5710	Donald W & Dolores M	Ireland	8831	N Wayland Ave	Portland	97203
14	R85133 4000	Leo L	Dickson	8832	N Wayland Ave	Portland	97203
14	R85133 4020	Patricia A	Streeter	8842	N Wayland Ave	Portland	97203
14	R85133 5690	John	Chepeta	8843	N Wayland Ave	Portland	97203
14	R85133 4040	Daniel H	Clobes	8848	N Wayland Ave	Portland	97203
14	R85133 5670	Jon A	Sjogren	8851	N Wayland Ave	Portland	97203
14				8624	N Foss Ave	Portland	97203
14				8614	N Foss Ave	Portland	97203
14				8606	N Foss Ave	Portland	97203
14				8524	N Foss Ave	Portland	97203

**CRANE MERSETH
ENGINEERING/SURVEYING
UN SEWERED AREAS**

AREA	PARCEL	OWNER FIRST NAME	LAST NAME	SITE	ADDRESS	CITY	ZIP
14				8514	N Foss Ave	Portland	97203
14				8504	N Foss Ave	Portland	97203
14				8411	N Foss Ave	Portland	97203
14				8625	N Hurst Ave	Portland	97203
14				8605-07-09	N Hurst Ave	Portland	97203
14				8511	N Hurst Ave	Portland	97203
14				8505	N Hurst Ave	Portland	97203

ITEMS OF WORK & MAT'LS	QUANTITY	UNIT PRICE	TOTAL AMOUNT
8" ASTM C-14, CL 3 CSP	4095 LF	\$ 25 00 LF	\$ 102,375 00
6" ASTM C-14, CL 3 CSP	1875 LF	\$ 22 00 LF	\$ 41,250 00
6"X8" TEE, ASTM C-14, CL 3	75 EA	\$ 100 00 EA	\$ 7,500 00
48" STD PRECAST MH	9 EA	\$ 1,800 00 EA	\$ 16,200 00
48" STD PRECAST MH, OVER 8'	12 LF	\$ 200 00 LF	\$ 2,400 00
8" CONNECTION TO EXISTING MH	1 EA	\$ 600 00 EA	\$ 600 00
8" CONNECTION TO EXISTING PIPE	0 EA	\$ 400 00 EA	\$ -
COMMON TRENCH EXC & NATIVE BACKFILL	4855 CY	\$ 15 00 CY	\$ 72,829 17
CSP PIPE BEDDING CLASS "C"	1457 CY	\$ 25 00 CY	\$ 36,414 58
IMP GRANULAR BACKFILL	3399 CY	\$ 10 00 CY	\$ 33,986 94
AC PAVEMENT REPLACEMENT 2" THICK	1813 SY	\$ 20 00 SY	\$ 36,258 33
ROCK SURFACING	0 CY	\$ 20 00 CY	\$ -
CONCRETE CURB REPLACEMENT	225 LF	\$ 20 00 LF	\$ 4,500 00
SIDEWALK REPLACEMENT	675 SF	\$ 50 00 SF	\$ 33,750 00
SUMP REPLACEMENT	1 EA	\$ 10,000 00 EA	\$ 10,000 00
RECONSTRUCT EXIST INLET	11 EA	\$ 500 00 EA	\$ 5,500 00
TOTAL CONSTRUCTION COST			\$ 403,564.03
TOTAL PROJECT COST			\$ 564,989.64
EXISTING HOMES SERVED	75 EA		
VACANT LOTS SERVED	0 EA		
TOTAL SERVICES	75 EA		
TOTAL COST PER SERVICE			\$ 7,533.20

COST ESTIMATES

PRIORITY RATING

Sewer Extension Master Plan

Priority Criteria and Scoring

Project Area Number

14

CRITERIA	GUIDELINES	SCORE
I Public Health		
1 Does the area have any record of septic system failure or public health problems?	0 = None 10 = Many, well documented 5 = No Record	0
2 How many septic systems have been replaced? None 25 Percent 50 Percent > 50 percent No records exist	0 points 4 points 7 points 9 points 5 points	0
II Implementation		
1 Is the project in a CSO impact area?	Yes <input checked="" type="checkbox"/> No	
2 If yes, will the CSO project occur Before year 2000? Year 2000 - 2010? After 2010? Not in a CSO project area	9 points 5 points 2 points 1 point	9
3 Are there any other city projects planned in the same area * within 3 years? 5 years? 10 years? None planned	8 points 6 points 3 points 0 points	0
4 Will the project impact any environmental zones during construction?	yes - 3 points no - 8 points	8
III Project Costs		
1 Is the average cost per residence < 80 % of city average? > 80 % < 120 % of city average > 120 % of city average	8 points 5 points 2 points	8

* Annual CIP review should include survey of other bureaus for area projects

**THIS AREA WAS INCLUDED
IN AREA 128**

35471

AREA 16

THIS NUMBER NOT USED

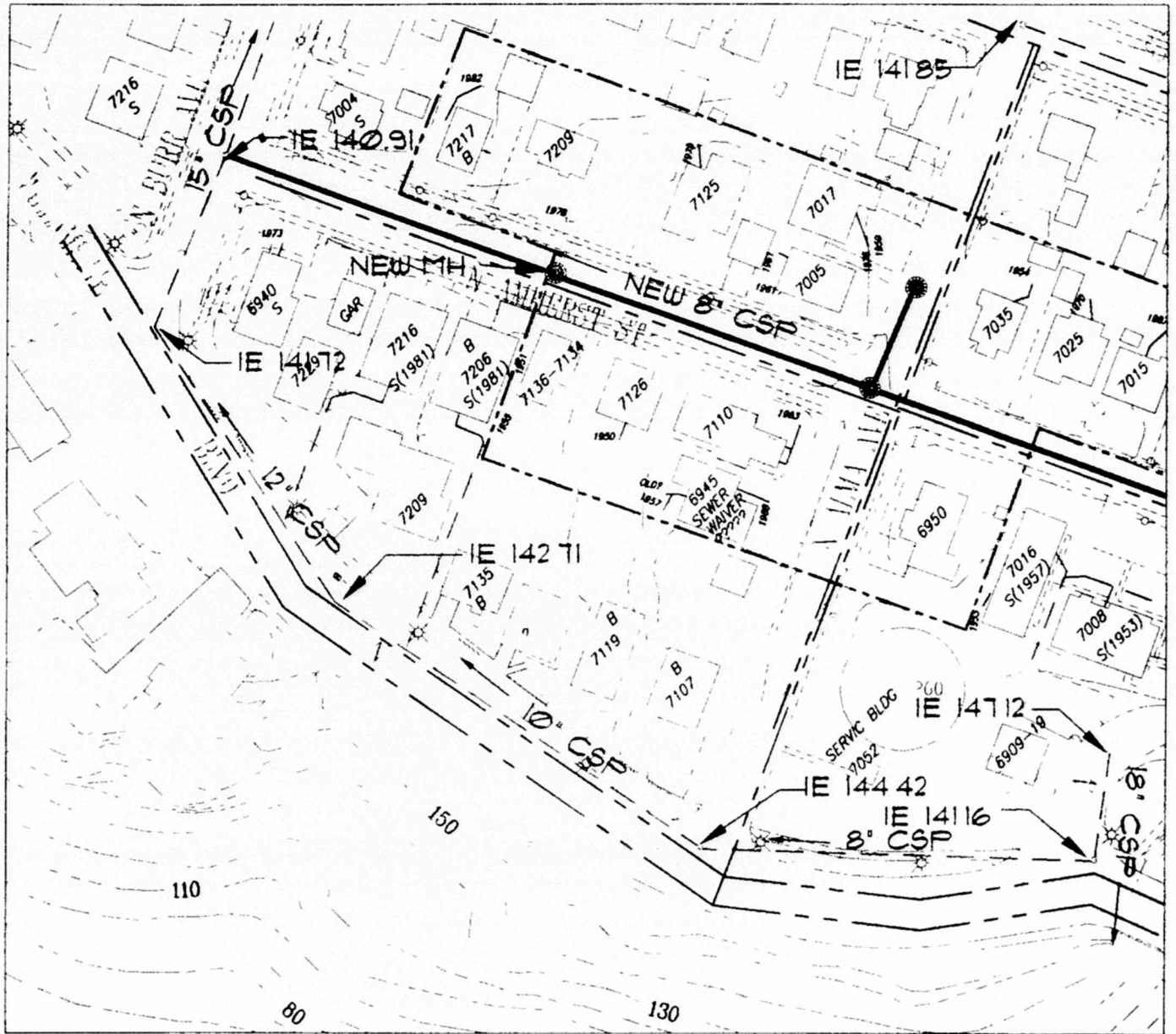


NEIGHBORHOOD
 QUARTER SECTION
 LOCATION

ST JOHNS
 2222,2223
 N AMHERST ST
 N BURR TO IDA AVE

CONTRIBUTES TO CSO?

NO



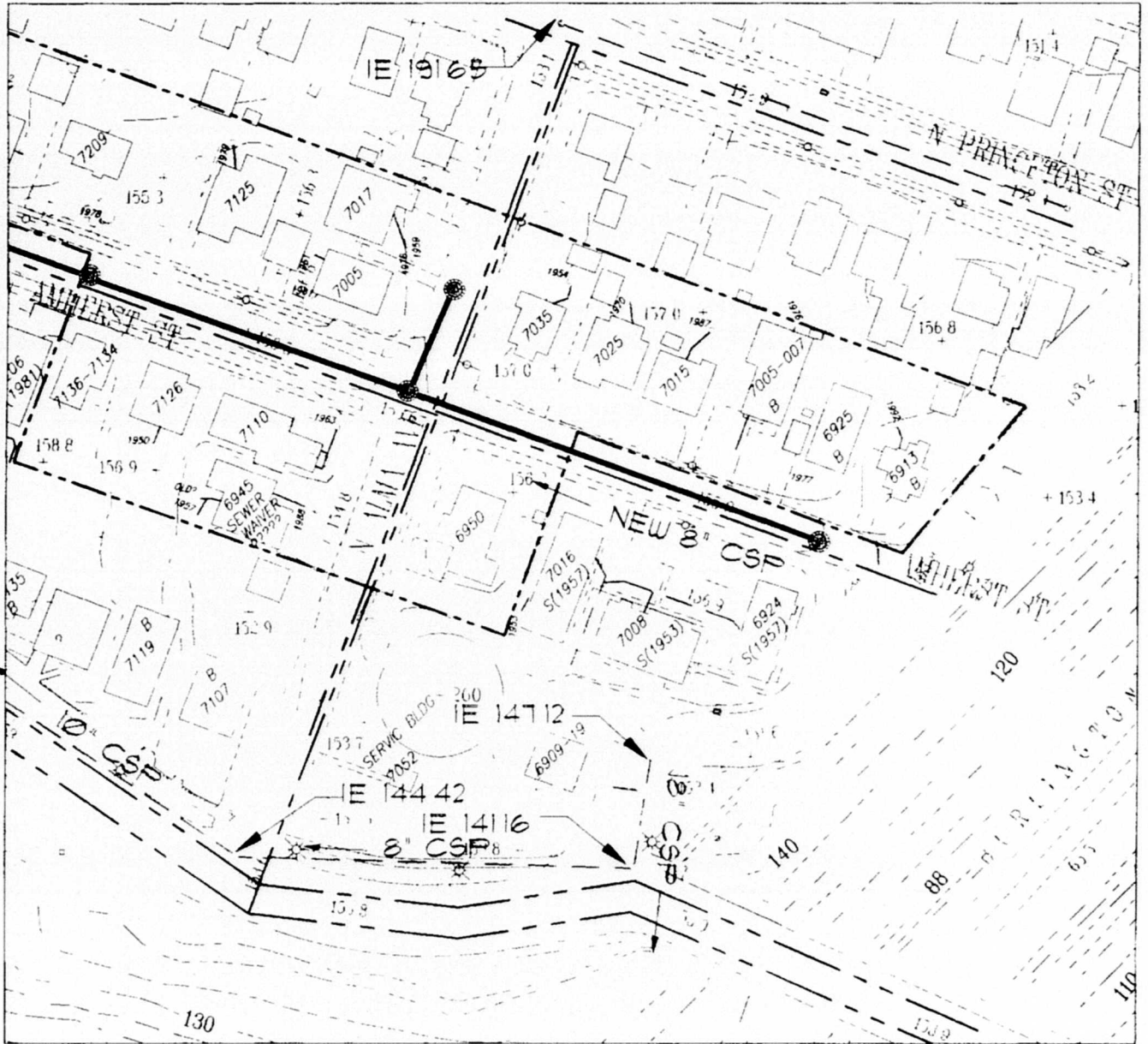
LEGEND

- NEW SANITARY LINE
- EXISTING SANITARY LINE
- EXISTING STORM LINE
- EXISTING WATER LINE
- BOUNDARY LINE
- FENCE LINE
- LOT LINES
- EXISTING MANHOLE
- NEW MANHOLE

B - BASEMENT
S - SEWER CONNECTED



SCALE 1"=100'
AREA 17A



LEGEND

- NEW SANITARY LINE
- EXISTING SANITARY LINE
- EXISTING STORM LINE
- EXISTING WATER LINE
- BOUNDARY LINE
- FENCE LINE
- LOT LINES
- EXISTING MANHOLE
- NEW MANHOLE

- B - BASEMENT
- S - SEWER CONNECTED



SCALE 1"=100'

AREA 17B

**BUREAU OF ENVIRONMENTAL SERVICES
SEWER EXTENSION MASTER PLAN
PROJECT NO. 5308**

AREA NO 17

NEIGHBORHOOD St Johns

LOCATION N Amherst between
N Burr and N Ida Avenue

QUARTER SECTION 2222 & 2223

Project Description:

This sanitary sewer project will provide service to 17 homes and one vacant lot in the in the St Johns neighborhood The line will connect to the existing sanitary sewer system at the intersection of N Amherst Street and N Burr Avenue It will extend easterly on N Amherst Street 735 feet with a short branch line extending north on N Alma Avenue a distance of 75 feet Completion of this project will allow removal of 17 existing septic systems

The following figures and tables present detailed information about this project

Priority Ranking:

Review of the existing septic system conditions and the age of the existing systems place this project as the number 14 priority Homes in this project area were constructed in the 1940's and 1950's with the septic system installed at that time Records indicate that more than 65 percent of the homes have had new septic systems installed following the original installation with the latest of these installations occurring in 1992

Project Cost:

Construction of this project will cost about \$ 106,900 This includes provision of service lines to the edge of the property of each ___ home In all, 17 homes will receive sewage service connections to the public system

On average this project will cost \$ 6287 per residence This compares to a city-wide average of \$ 9769 per residence for all similar projects

CRANE MERSETH
ENGINEERING/SURVEYING
UN SEWERED AREAS

35471

AREA	PARCEL	OWNER FIRST NAME	LAST NAME	SITE	ADDRESS	CITY	ZIP
17	R77910 6800	Annette H	Steffens	6945	N Alma Ave	Portland	97203
17	R77910 6940	Brij B & Kusma W	Prasad	6950	N Alma Ave	Portland	97203
17	R77910 6090	Fred	Ruscigno Sr	7005	N Alma Ave	Portland	97203
17	R77910 6110	State Of Oregon		7017	N Alma Ave	Portland	97203
17	R77910 5800	Raymond R	Piltz	6913	N Amherst St	Portland	97203
17	R77910 5810	Bohn D & Elizabeth J	Lattrn	6925	N Amherst St	Portland	97203
17	R77910 5830	Robb J	Severdia	7005	N Amherst St	Portland	97203
17	R77910 5850	James P & Terry M	Chellis	7015	N Amherst St	Portland	97203
17	R77910 5870	Lloyd L & Lillian F	Beck	7025	N Amherst St	Portland	97203
17	R77910 5890	James D	Golik	7035	N Amherst St	Portland	97203
17	R77910 6780	Daniel L & Kathryn C	Wilson	7110	N Amherst St	Portland	97203
17	R77910 6130	Kenneth J & Dianne P	Weiberg	7125	N Amherst St	Portland	97203
17	R77910 6760	Jerry L & Wendy M	Just	7126	N Amherst St	Portland	97203
17	R77910 6740	Moshe D & Hilda	Lenske	7134	N Amherst St	Portland	97203
17	R77910 6170	Robert J	Krumbel	7209	N Amherst St	Portland	97203
17	R77910 6190	Charles G	Dunning	7217	N Amherst St	Portland	97203

AREA 17

ITEMS OF WORK & MAT'LS	QUANTITY	UNIT PRICE	TOTAL AMOUNT
8" ASTM C-14, CL 3 CSP	820 LF	\$ 25 00 LF	\$ 20,500 00
6" ASTM C-14, CL 3 CSP	425 LF	\$ 22 00 LF	\$ 9,350 00
6"X8" TEE, ASTM C-14, CL 3	17 EA	\$ 100 00 EA	\$ 1,700 00
48" STD PRECAST MH	3 EA	\$ 1,800 00 EA	\$ 5,400 00
48" STD PRECAST MH, OVER 8'	0 LF	\$ 200 00 LF	\$ -
8" CONNECTION TO EXISTING MH	1 EA	\$ 600 00 EA	\$ 600 00
8" CONNECTION TO EXISTING PIPE	0 EA	\$ 400 00 EA	\$ -
COMMON TRENCH EXC & NATIVE BACKFILL	1004 CY	\$ 15 00 CY	\$ 15,065 28
CSP PIPE BEDDING CLASS "C"	301 CY	\$ 25 00 CY	\$ 7,532 64
IMP GRANULAR BACKFILL	703 CY	\$ 10 00 CY	\$ 7,030 46
AC PAVEMENT REPLACEMENT 2" THICK	0 SY 375	\$ 20 00 SY	\$ -
ROCK SURFACING	0 CY	\$ 20 00 CY	\$ -
CONCRETE CURB REPLACEMENT	51 LF	\$ 20 00 LF	\$ 1,020 00
SIDEWALK REPLACEMENT	153 SF	\$ 50 00 SF	\$ 7,650 00
SUMP REPLACEMENT	0 EA	\$ 10,000 00 EA	\$ -
RECONSTRUCT EXIST INLET	1 EA	\$ 500 00 EA	\$ 500 00
TOTAL CONSTRUCTION COST			\$ 76,348.38
TOTAL PROJECT COST			\$ 106,887.73
EXISTING HOMES SERVED	16 EA		
VACANT LOTS SERVED	1 EA		
TOTAL SERVICES	17 EA		
TOTAL COST PER SERVICE			\$ 6,287.51

COST ESTIMATES

Sewer Extension Master Plan

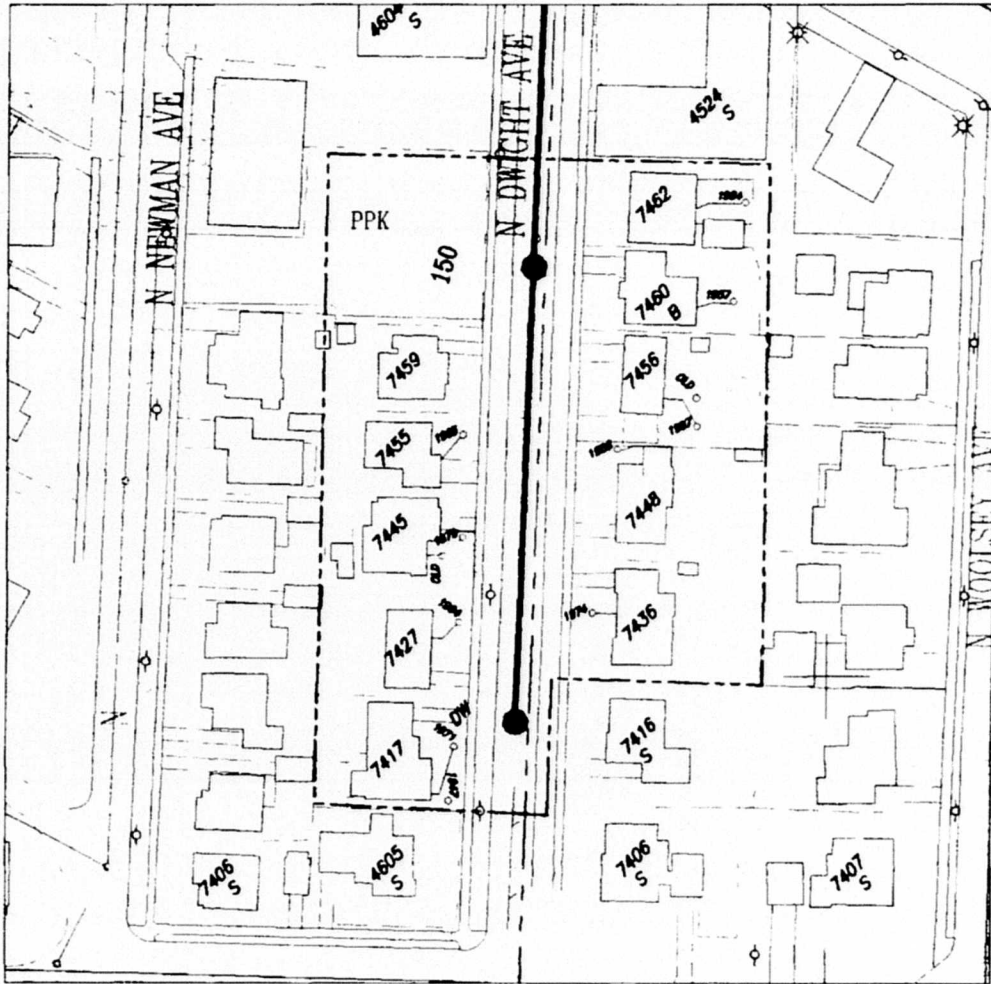
Priority Criteria and Scoring

Project Area Number

17

CRITERIA	GUIDELINES	SCORE
I Public Health		
1 Does the area have any record of septic system failure or public health problems?	0 = None 10 = Many well documented 5 = No Record	5
2 How many septic systems have been replaced? None 25 Percent 50 Percent > 50 percent No records exist	0 points 4 points 7 points 9 points 5 points	4
II Implementation		
1 Is the project in a CSO impact area?	Yes <input checked="" type="checkbox"/> No	
2 If yes, will the CSO project occur Before year 2000? Year 2000 - 2010? After 2010? Not in a CSO project area	9 points 5 points 2 points 1 point	9
3 Are there any other city projects planned in the same area * within 3 years? 5 years? 10 years? None planned	8 points 6 points 3 points 0 points	0
4 Will the project impact any environmental zones during construction?	yes - 3 points no - 8 points	8
III Project Costs		
1 Is the average cost per residence < 80 % of city average? > 80 % < 120 % of city average > 120 % of city average	8 points 5 points 2 points	8

* Annual CIP review should include survey of other bureaus for area projects



NEIGHBORHOOD
 QUARTER SECTION.

UNIVERSITY PARK
 2225

LOCATION:

N DWIGHT AVE
 N LOMBARD TO STAFFORD ST

CONTRIBUTES TO CSO?

NO



LEGEND

- NEW SANITARY LINE
- EXISTING SANITARY LINE
- EXISTING STORM LINE
- EXISTING WATER LINE
- BOUNDARY LINE
- FENCE LINE
- LOT LINES
- EXISTING MANHOLE
- NEW MANHOLE

B - BASEMENT
S - SEWER CONNECTED



SCALE 1"=80'

AREA 18

**BUREAU OF ENVIRONMENTAL SERVICES
SEWER EXTENSION MASTER PLAN
PROJECT NO. 5308**

AREA NO 18

NEIGHBORHOOD St Johns

LOCATION N Dwight south
of Lombard Street

QUARTER SECTION 2225

Project Description:

This project will provide sanitary sewer service to 10 homes in the St Johns neighborhood. The line will begin with a connection to the existing sewer system at N Lombard Street and will extend south about 500 feet on N Dwight Avenue to its terminus. Along the route, service connections will be extended to 10 homes.

The following figures and tables present detailed information about this project.

Priority Ranking:

Review of the existing septic system conditions and the age of the existing systems place this project as the number 7 priority. The residences in this project area appear to have been constructed in the 1940's. None of the septic systems installed at that time are still in service. The latest septic system replacements occurred in 1987.

Project Cost:

Construction of this project will cost about \$ 70,680. This includes provision of service lines to the edge of the property of each home. In all, 10 homes will receive sewage service connections to the public system.

On average this project will cost \$ 7068 per residence. This compares to a city-wide average of \$ 9760 per residence for all similar projects.

**CRANE MERSETH
ENGINEERING/SURVEYING
UN SEWERED AREAS**

AREA	PARCEL	OWNER FIRST NAME	LAST NAME	SITE	ADDRESS	CITY	ZIP
18	R57570 1240	Donald W & Judy	Norton	7417	N Dwight Ave	Portland	97203
18	R57570 1230	Bradley S	Lepley	7427	N Dwight Ave	Portland	97203
18	R57570 1570	Timothy W & Laura L	Fordney	7436	N Dwight Ave	Portland	97203
18	R57570 1210	Thyera F	Dexter	7445	N Dwight Ave	Portland	97203
18	R57570 1590	Scott A & Kathleen M	Ackley	7448	N Dwight Ave	Portland	97203
18	R57570 1200	Div Res Dr89930 Stat		7455	N Dwight Ave	Portland	97203
18	R57570 1610	Maurice D	Phillips	7456	N Dwight Ave	Portland	97203
18	R57570 1190	Elias E	Campbell	7459	N Dwight Ave	Portland	97203
18	R57570 1630	Catherine A & Jack P	Gatton	7460	N Dwight Ave	Portland	97203
18	R57570 1640	Gerald L & Rosemary	Honl	7462	N Dwight Ave	Portland	97203

ITEMS OF WORK & MAT'LS	QUANTITY	UNIT PRICE	TOTAL AMOUNT
8" ASTM C-14, CL 3 CSP	496 LF	\$ 25 00 LF	\$ 12,400 00
6" ASTM C-14, CL 3 CSP	250 LF	\$ 22 00 LF	\$ 5,500 00
6"X8" TEE, ASTM C-14, CL 3	10 EA	\$ 100 00 EA	\$ 1,000 00
48" STD PRECAST MH	2 EA	\$ 1,800 00 EA	\$ 3,600 00
48" STD PRECAST MH, OVER 8'	0 LF	\$ 200 00 LF	\$ -
8" CONNECTION TO EXISTING MH	1 EA	\$ 600 00 EA	\$ 600 00
8" CONNECTION TO EXISTING PIPE	0 EA	\$ 400 00 EA	\$ -
COMMON TRENCH EXC & NATIVE BACKFILL	603 CY	\$ 15 00 CY	\$ 9,043 89
CSP PIPE BEDDING CLASS "C"	181 CY	\$ 25 00 CY	\$ 4,521 94
IMP GRANULAR BACKFILL	422 CY	\$ 10 00 CY	\$ 4,220 48
AC PAVEMENT REPLACEMENT 2" THICK	225 SY	\$ 20 00 SY	\$ 4,501 11
ROCK SURFACING	0 CY	\$ 20 00 CY	\$ -
CONCRETE CURB REPLACEMENT	30 LF	\$ 20 00 LF	\$ 600 00
SIDEWALK REPLACEMENT	90 SF	\$ 50 00 SF	\$ 4,500 00
SUMP REPLACEMENT	0 EA	\$ 10,000 00 EA	\$ -
RECONSTRUCT EXIST INLET	0 EA	\$ 500 00 EA	\$ -
TOTAL CONSTRUCTION COST			\$ 50,487.43
TOTAL PROJECT COST			\$ 70,682.40
EXISTING HOMES SERVED	10 EA		
VACANT LOTS SERVED	0 EA		
TOTAL SERVICES	10 EA		
TOTAL COST PER SERVICE			\$ 7,068.24

PRIORITY RATING

Sewer Extension Master Plan

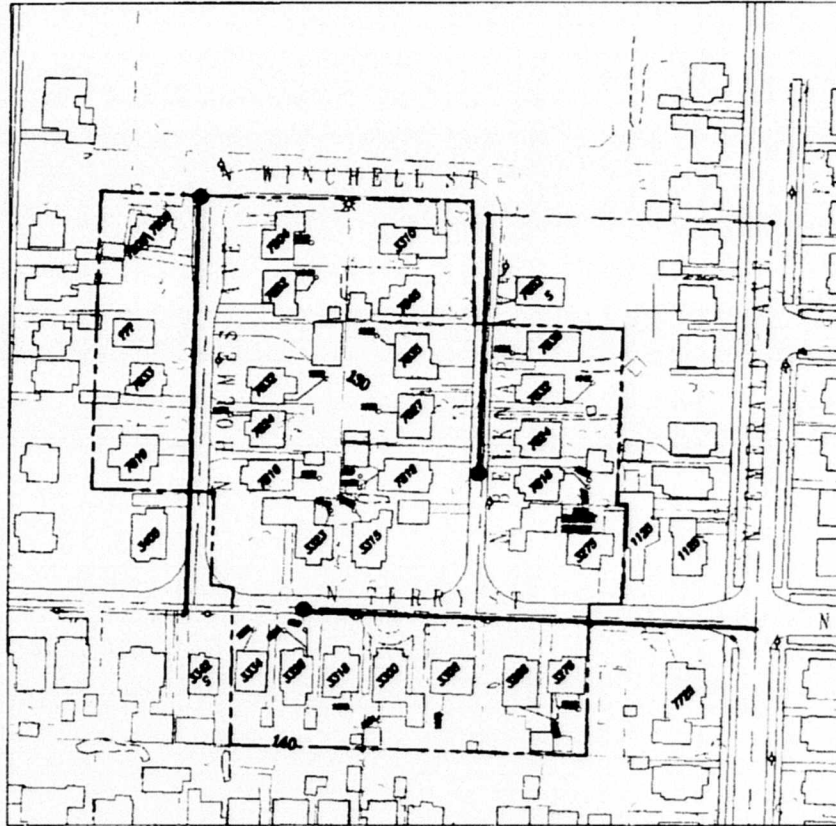
Priority Criteria and Scoring

Project Area Number

18

CRITERIA	GUIDELINES	SCORE
I Public Health		
1 Does the area have any record of septic system failure or public health problems?	0 = None 10 = Many, well documented 5 = No Record	5
2 How many septic systems have been replaced? None 25 Percent 50 Percent > 50 percent No records exist	0 points 4 points 7 points 9 points 5 points	7
II Implementation		
1 Is the project in a CSO impact area?	Yes <input checked="" type="checkbox"/> No	
2 If yes, will the CSO project occur Before year 2000? Year 2000 - 2010? After 2010? Not in a CSO project area	9 points 5 points 2 points 1 point	9
3 Are there any other city projects planned in the same area * within 3 years? 5 years? 10 years? None planned	8 points 6 points 3 points 0 points	0
4 Will the project impact any environmental zones during construction?	yes - 3 points no - 8 points	8
III Project Costs		
1 Is the average cost per residence < 80 % of city average? > 80 % < 120 % of city average > 120 % of city average	8 points 5 points 2 points	8

* Annual CIP review should include survey of other bureaus for area projects



NEIGHBORHOOD	KENTON
QUARTER SECTION	2227
LOCATION:	N TERRY ST N HOLMANT TO EMERALD AVE
CONTRIBUTES TO CSO?	NO



LEGEND

- NEW SANITARY LINE
- EXISTING SANITARY LINE
- EXISTING STORM LINE
- EXISTING WATER LINE
- BOUNDARY LINE
- FENCE LINE
- LOT LINES
- EXISTING MANHOLE
- NEW MANHOLE

B - BASEMENT
S - SEWER CONNECTED



SCALE 1"=100'

AREA 19

**BUREAU OF ENVIRONMENTAL SERVICES
SEWER EXTENSION MASTER PLAN
PROJECT NO. 5308**

AREA NO 19

NEIGHBORHOOD Kenton

LOCATION N Holmes and N
Belknap east of N
Emerald

QUARTER SECTION 2227

Project Description:

This project will provide sanitary sewer service to 27 homes. The line will begin with a connection to the existing sewer system at 3 locations. On N Holmes, the new sewer will extend north a distance of 375 feet from N Terry Street, on N Belknap, the sewer will extend south for a distance of 235 feet to its terminus and on N Terry Street the new sewerline will extend west for a distance of 440 feet from its connection on N Emerald Avenue.

The following figures and tables present detailed information about this project.

Priority Ranking:

Review of the existing septic system conditions and the age of the existing systems place this project as the number 11 priority project. The residences in this project area appear to have been constructed in the 1940's and some of the septic system installed at that time are still in service. Records indicate that a number of the homes have had new septic systems installed following the original installation with the latest of these installations occurring in 1989.

Project Cost:

Construction of this project will cost about \$ 130,100. This includes provision of service lines to the edge of the property of each home. In all, 27 homes will receive sewage service connections to the public system.

On average this project will cost \$ 4819 per residence. This compares to a city-wide average of \$ 9769 per residence for all similar projects.

**CRANE MERSETH
ENGINEERING/SURVEYING
UN SEWERED AREAS**

AREA	PARCEL	OWNER FIRST NAME	LAST NAME	SITE	ADDRESS	CITY	ZIP
19	R87000 0130	Stanley H	McCune	7816	N Belknap Ave	Portland	97217
19	R87000 0250	Telesfora E	Hasenkamp	7819	N Belknap Ave	Portland	97217
19	R87000 0150	Lorna K	Viken	7824	N Belknap Ave	Portland	97217
19	R87000 0230	David W & Colleen M	Haas	7827	N Belknap Ave	Portland	97217
19	R87000 0170	Henry J	Miller	7832	N Belknap Ave	Portland	97217
19	R87000 0210	Eleanor B	Kirtley	7835	N Belknap Ave	Portland	97217
19	R87000 0190	George	Nicola	7838	N Belknap Ave	Portland	97217
19	R39870 0700	Helen	Flick	7845	N Belknap Ave	Portland	97217
19	R87000 0350	William J & Carne A	Ford	7816	N Holmes Ave	Portland	97217
19	R87000 0370	Dennis J & Mary G	Anctil	7824	N Holmes Ave	Portland	97217
19	R87000 0390	Leo L & Mane C	Dickson	7832	N Holmes Ave	Portland	97217
19	R87000 0410	Leo L & Mane C	Dickson	7832	N Holmes Ave	Portland	97217
19	R39870 0720	Naomi H	Paschelke	7852	N Holmes Ave	Portland	97217
19	R39870 0740	Shawn E	Dean	7904	N Holmes Ave	Portland	97217
19	R87000 0130	Stanley H	McCune	7860 5	N Belknap Ave	Portland	97217
19	R87000 0710	James D & Jean D	Simmons	3276	N Terry St	Portland	97217
19	R87000 0730	Margaret A	Zander	3286	N Terry St	Portland	97217
19	R87000 0270	Steven D	Bollin	3315	N Terry St	Portland	97217
19	R87000 0310	Albert J	Schweitzer	3323	N Terry St	Portland	97217
19	R39870 0680	Jule J	Trahan	3310	N Winchell St	Portland	97217

ITEMS OF WORK & MAT'LS	QUANTITY	UNIT PRICE	TOTAL AMOUNT
8" ASTM C-14, CL 3 CSP	1080 LF	\$ 25 00 LF	\$ 27,000 00
6" ASTM C-14, CL 3 CSP	405 LF	\$ 22 00 LF	\$ 8,910 00
6"X8" TEE, ASTM C-14, CL 3	27 EA	\$ 100 00 EA	\$ 2,700 00
48" STD PRECAST MH	3 EA	\$ 1,800 00 EA	\$ 5,400 00
48" STD PRECAST MH, OVER 8'	0 LF	\$ 200 00 LF	\$ -
8" CONNECTION TO EXISTING MH	3 EA	\$ 600 00 EA	\$ 1,800 00
8" CONNECTION TO EXISTING PIPE	0 EA	\$ 400 00 EA	\$ -
COMMON TRENCH EXC & NATIVE BACKFILL	1223 CY	\$ 15 00 CY	\$ 18,337 50
CSP PIPE BEDDING CLASS "C"	367 CY	\$ 25 00 CY	\$ 9,168 75
IMP GRANULAR BACKFILL	856 CY	\$ 10 00 CY	\$ 8,557 50
AC PAVEMENT REPLACEMENT 2" THICK	473 SY	\$ 20 00 SY	\$ 9,450 00
ROCK SURFACING	0 CY	\$ 20 00 CY	\$ -
CONCRETE CURB REPLACEMENT	81 LF	\$ 20 00 LF	\$ 1,620 00
SIDEWALK REPLACEMENT	0 SF	\$ 50 00 SF	\$ -
SUMP REPLACEMENT	0 EA	\$ 10,000 00 EA	\$ -
RECONSTRUCT EXIST INLET	0 EA	\$ 500 00 EA	\$ -
TOTAL CONSTRUCTION COST			\$ 92,943.75
TOTAL PROJECT COST			\$ 130,121.25
EXISTING HOMES SERVED	27 EA		
VACANT LOTS SERVED	0 EA		
TOTAL SERVICES	27 EA		
TOTAL COST PER SERVICE			\$ 4,819.31

PRIORITY RATING

Sewer Extension Master Plan

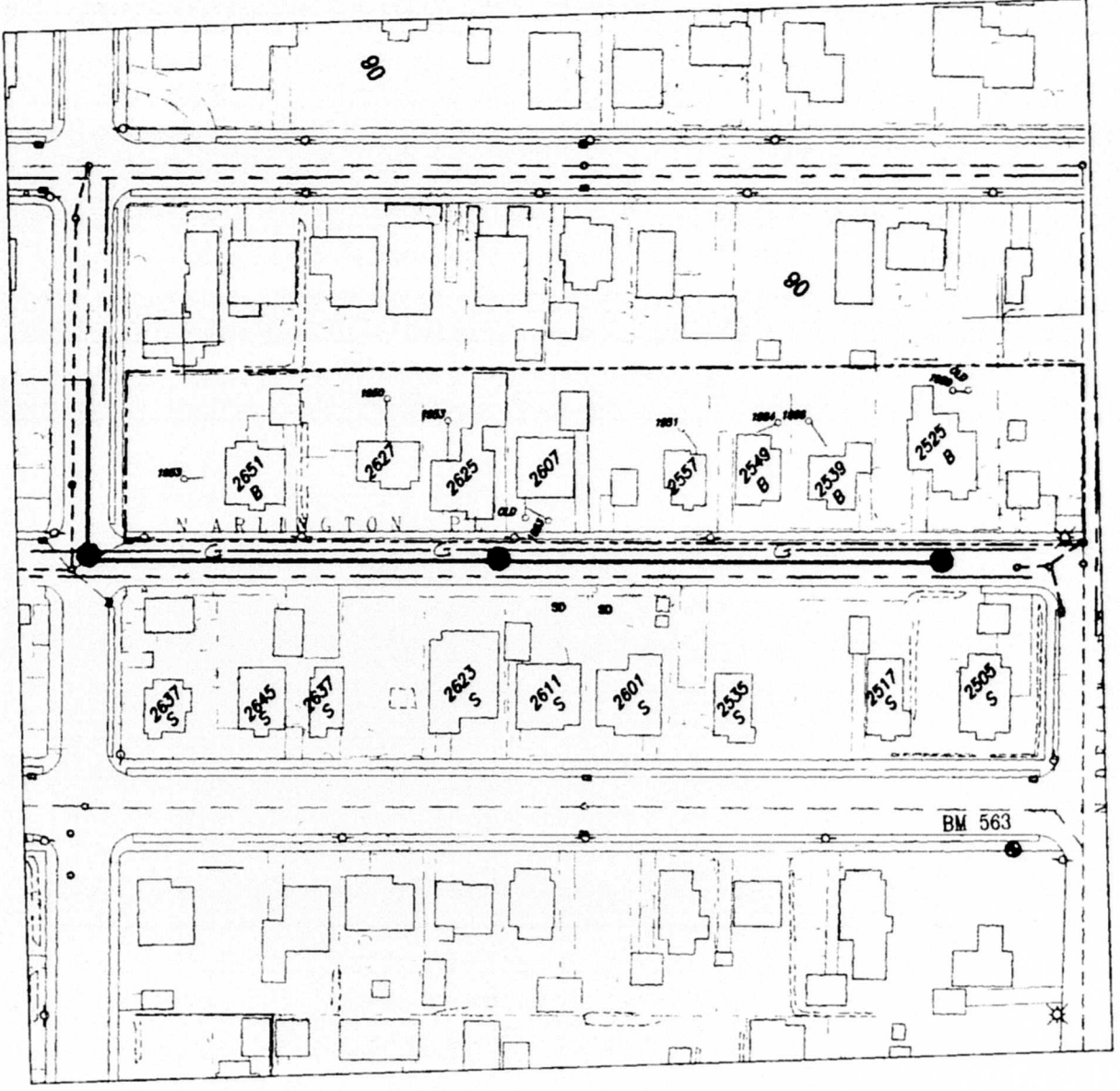
Priority Criteria and Scoring

Project Area Number

19

CRITERIA	GUIDELINES	SCORE
I Public Health		
1 Does the area have any record of septic system failure or public health problems?	0 = None 10 = Many, well documented 5 - No Record	5
2 How many septic systems have been replaced? None 25 Percent 50 Percent > 50 percent No records exist	0 points 4 points 7 points 9 points 5 points	4
II Implementation		
1 Is the project in a CSO impact area?	Yes <input checked="" type="checkbox"/> No	
2 If yes, will the CSO project occur Before year 2000? Year 2000 - 2010? After 2010? Not in a CSO project area	9 points 5 points 2 points 1 point	9
3 Are there any other city projects planned in the same area * within 3 years? 5 years? 10 years? None planned	8 points 6 points 3 points 0 points	0
4 Will the project impact any environmental zones during construction?	yes - 3 points no - 8 points	8
III Project Costs		
1 Is the average cost per residence < 80 % of city average? > 80 % < 120 % of city average > 120 % of city average	8 points 5 points 2 points	8

* Annual CIP review should include survey of other bureaus for area projects



NEIGHBORHOOD
 QUARTER SECTION
 LOCATION:

KENTON
 2227
 N ARLINGTON PL
 N BARRAGE TO DELAWARE AVE

CONTRIBUTES TO CSO?

NO



LEGEND

- NEW SANITARY LINE
- EXISTING SANITARY LINE
- EXISTING STORM LINE
- EXISTING WATER LINE
- BOUNDARY LINE
- FENCE LINE
- LOT LINES
- EXISTING MANHOLE
- NEW MANHOLE

B - BASEMENT
S - SEWER CONNECTED



SCALE 1"=100'

AREA 20

**BUREAU OF ENVIRONMENTAL SERVICES
SEWER EXTENSION MASTER PLAN
PROJECT NO. 5308**

AREA NO 20

NEIGHBORHOOD Kenton

LOCATION N Arlington Place
from N Burrage to
N Delaware Avenue

QUARTER SECTION 2227

Project Description:

This project will provide sanitary sewer service to 8 homes in the Kenton neighborhood. The line will begin with a connection to the existing sewer system at Delaware Avenue and will extend westerly 475 feet on Arlington Avenue to its terminus. It will serve 8 homes located along the north side of Arlington Avenue. Completion of this project will allow removal of 8 existing septic systems.

The following figures and tables present detailed information about this project.

Priority Ranking:

Review of the existing septic system conditions and the age of the existing systems place this project as the number 18 priority project. Records indicate that the septic systems along N Arlington were constructed in the late 1950's and early 1960's. It appears that more than one half of the septic systems installed at time are still in service. The record does not show any modifications to any of the septic systems or replacement tanks having been installed since that time. No record of septic system failure has been found.

Project Cost:

Construction of this project will cost about \$ 70,750. This includes provision of service lines to the edge of the property of each home. In all, 8 homes will receive sewage service connections to the public system.

On average this project will cost \$ 8845 per residence. This compares to a city-wide average of \$ 9769 per residence for all similar projects.

ITEMS OF WORK & MAT'LS	QUANTITY	UNIT PRICE	TOTAL AMOUNT
8" ASTM C-14, CL 3 CSP	640 LF	\$ 25 00 LF	\$ 16,000 00
6" ASTM C-14, CL 3 CSP	160 LF	\$ 22 00 LF	\$ 3,520 00
6"X8" TEE, ASTM C-14, CL 3	8 EA	\$ 100 00 EA	\$ 800 00
48" STD PRECAST MH	3 EA	\$ 1,800 00 EA	\$ 5,400 00
48" STD PRECAST MH, OVER 8'	0 LF	\$ 200 00 LF	\$ -
8" CONNECTION TO EXISTING MH	0 EA	\$ 600 00 EA	\$ -
8" CONNECTION TO EXISTING PIPE	1 EA	\$ 400 00 EA	\$ 400 00
COMMON TRENCH EXC & NATIVE BACKFILL	673 CY	\$ 15 00 CY	\$ 10,088 89
CSP PIPE BEDDING CLASS "C"	202 CY	\$ 25 00 CY	\$ 5,044 44
IMP GRANULAR BACKFILL	471 CY	\$ 10 00 CY	\$ 4,708 15
AC PAVEMENT REPLACEMENT 2" THICK	0 SY 252	\$ 20 00 SY	\$ -
ROCK SURFACING	0 CY	\$ 20 00 CY	\$ -
CONCRETE CURB REPLACEMENT	24 LF	\$ 20 00 LF	\$ 480 00
SIDEWALK REPLACEMENT	72 SF	\$ 50 00 SF	\$ 3,600 00
SUMP REPLACEMENT	0 EA	\$ 10,000 00 EA	\$ -
RECONSTRUCT EXIST INLET	1 EA	\$ 500 00 EA	\$ 500 00
TOTAL CONSTRUCTION COST			\$ 50,541.48
TOTAL PROJECT COST			\$ 70,758.07
EXISTING HOMES SERVED	8 EA		
VACANT LOTS SERVED	0 EA		
TOTAL SERVICES	8 EA		
TOTAL COST PER SERVICE			\$ 8,844.76

COST ESTIMATES

PRIORITY RATING

Sewer Extension Master Plan

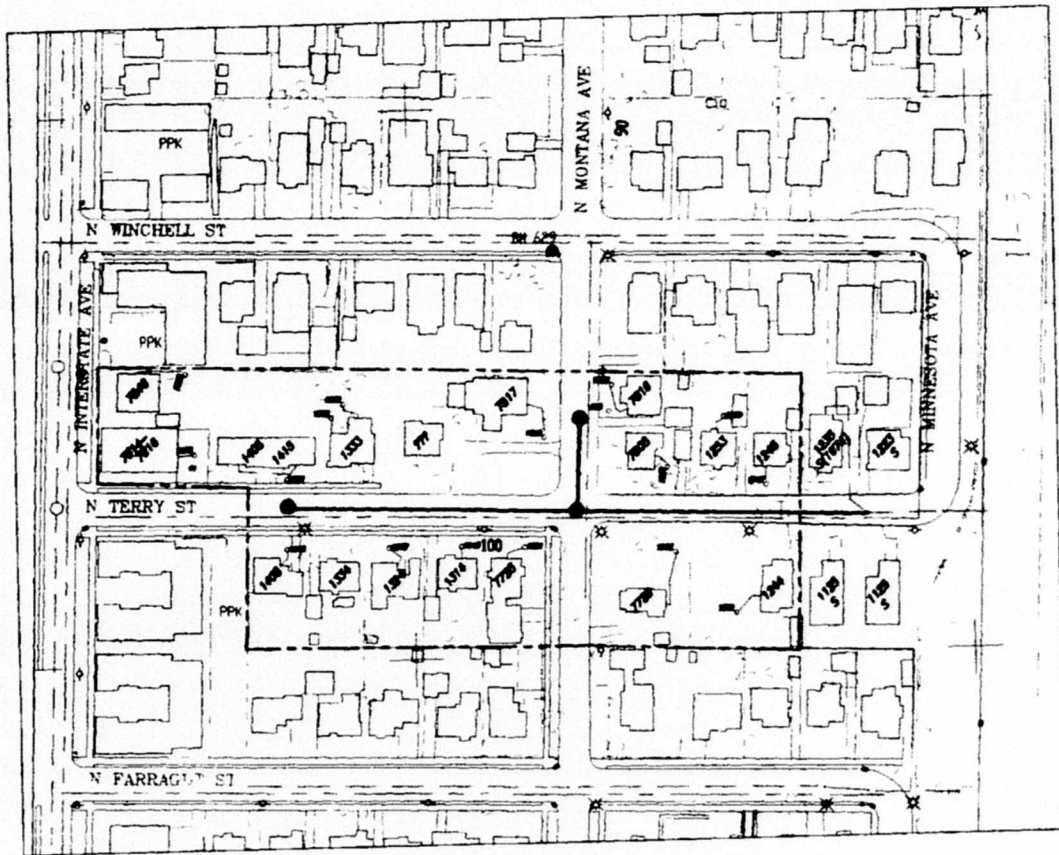
Priority Criteria and Scoring

Project Area Number

20

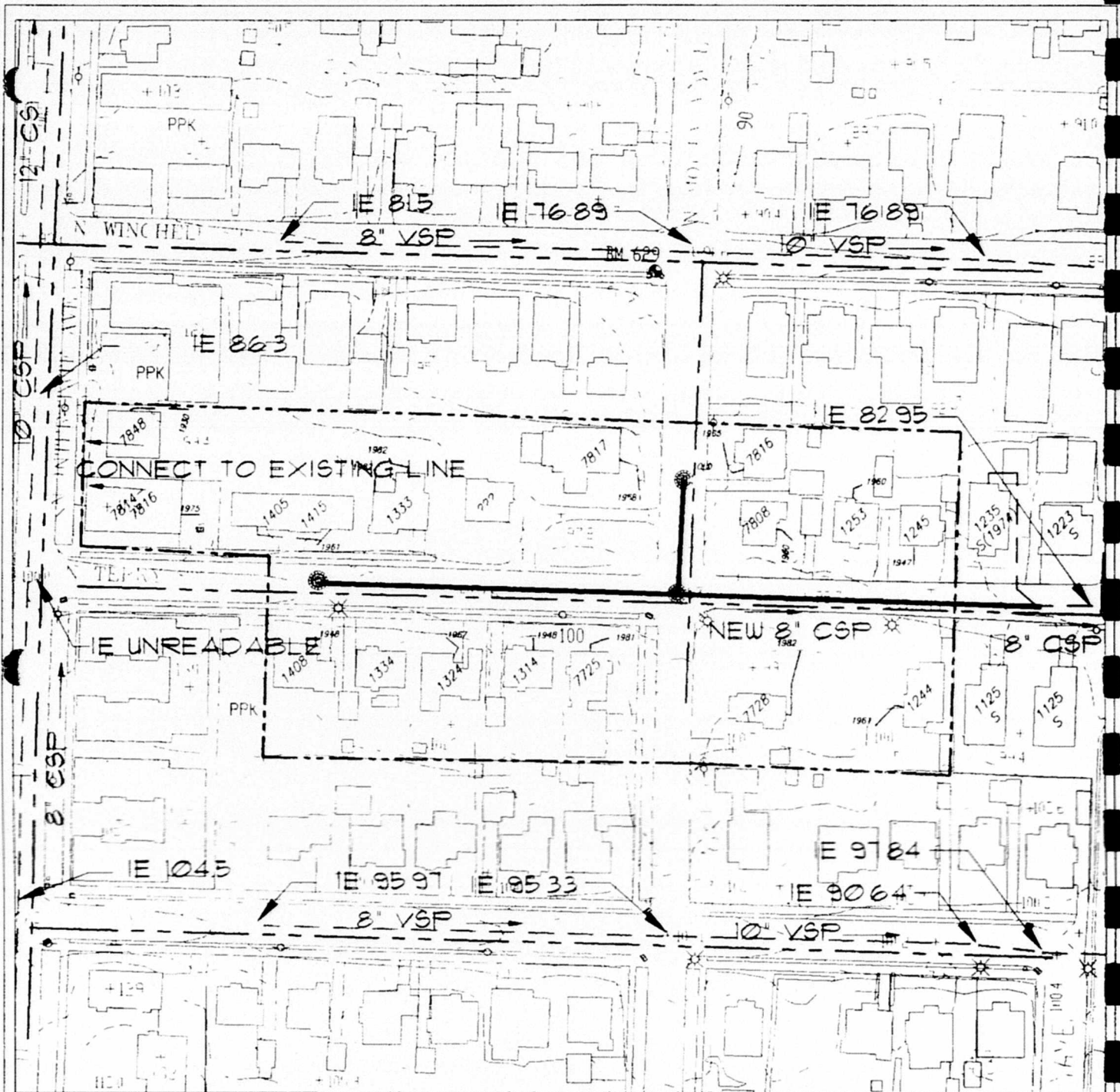
CRITERIA	GUIDELINES	SCORE
I Public Health		
1 Does the area have any record of septic system failure or public health problems?	0 - None 10 - Many well documented 5 - No Record	5
2 How many septic systems have been replaced? None 25 Percent 50 Percent > 50 percent No records exist	0 points 4 points 7 points 9 points 5 points	4
II Implementation		
1 Is the project in a CSO impact area?	Yes <input checked="" type="checkbox"/> No	
2 If yes, will the CSO project occur Before year 2000? Year 2000 - 2010? After 2010? Not in a CSO project area	9 points 5 points 2 points 1 point	9
3 Are there any other city projects planned in the same area * within 3 years? 5 years? 10 years? None planned	8 points 6 points 3 points 0 points	0
4 Will the project impact any environmental zones during construction?	yes - 3 points no - 8 points	8
III Project Costs		
1 Is the average cost per residence < 80 % of city average? > 80 % < 120 % of city average > 120 % of city average	8 points 5 points 2 points	5

* Annual CIP review should include survey of other bureaus for area projects



NEIGHBORHOOD
 QUARTER SECTION
 LOCATION:
 CONTRIBUTES TO CSO?

KENTON
 2229
 N TERRY ST
 N INTERSTATE AVE TO I-5
 NO



LEGEND

- NEW SANITARY LINE ————
- EXISTING SANITARY LINE - - - -
- EXISTING STORM LINE - - - -
- EXISTING WATER LINE - - - -
- BOUNDARY LINE ————
- FENCE LINE ————
- LOT LINES ————
- EXISTING MANHOLE (circle with cross)
- NEW MANHOLE (circle with dot)

B - BASEMENT
S - SEWER CONNECTED



SCALE 1"=100'

AREA 21

**BUREAU OF ENVIRONMENTAL SERVICES
SEWER EXTENSION MASTER PLAN
PROJECT NO. 5308**

AREA NO 21

NEIGHBORHOOD Kenton

LOCATION N Terry Street from
N Interstate to I-5

QUARTER SECTION 2229

Project Description:

This project will provide sanitary sewer service to 12 homes in the Kenton neighborhood. The line will begin with a connection to the existing 8" sanitary sewer at the intersection of N Winchell Street and N Montana Avenue and will extend 250 feet south on N Montana Street to its intersection with N Terry Street. On N Terry, the line will branch east (135 feet) and west (350 feet) to serve the homes along N Terry Street. Completion of this project will allow removal of 12 existing septic systems.

The following figures and tables present detailed information about this project.

Priority Ranking:

Review of the existing septic system conditions and the age of the existing systems place this project as the 12th priority project. Records indicate that septic systems were installed as long ago as 1930 and as recently as 1982. More than one half of the systems are more recent, (after 1970) and the homes are, on average, much older.

Project Cost:

Construction of this project will cost about \$ 93,300. This includes provision of service lines to the edge of the property of each home. In all, 12 homes will receive sewage service connections to the public system.

On average this project will cost \$ 5834 per residence. This compares to a city-wide average of \$ 9769 per residence for all similar projects.

**CRANE MERSETH
ENGINEERING/SURVEYING
UN SEWERED AREAS**

AREA	PARCEL	OWNER FIRST NAME	LAST NAME	SITE	ADDRESS	CITY	ZIP
21	R94110 0150	Patrick T & Patricia L	Files	7816	N Interstate Ave	Portland	97217
21	R26790 6420	Jack E & Betty J	Dickie	7848	N Interstate Ave	Portland	97217
21	R35110 0070	Robert Wayne	McDermid	7728	N Montana Ave	Portland	97217
21	R82500 0140	William H	Grand	7808	N Montana Ave	Portland	97217
21	R82500 0130	Richard C	Prather	7816	N Montana Ave	Portland	97217
21	R26790 6500	Robert E & Lorrta M	Sheasly	7817	N Montana Ave	Portland	97217
21	R87000 0750	Arsenio G & Ruth M	Macabeo	3300	N Terry St	Portland	97217
21	R87000 0790	Grace	Jewett-Baranski	3308	N Terry St	Portland	97217
21	R87000 0810	Lester W & Dolores E	Jenkins	3318	N Terry St	Portland	97217
21	R87000 0830	Bruce R & Joni S	George	3326	N Terry St	Portland	97217
21	R87000 0850	Cecil A & Geneva E	Hall	3334	N Terry St	Portland	97217
21	R82500 0090	John H	Moore	1245	N Terry St	Portland	97217
21	R82500 0110	Ellis L	Roper	1253	N Terry St	Portland	97217
21	R94110 1150	Eddie & Delaine J	Schell	1408	N Terry St	Portland	97217
21	R94110 1160	Pamela J	Panek	1334	N Terry St	Portland	97217
	I 21	IR94110 1170	Linda L	I Pack	I 1324	N Terry St	Portland 97217

ITEMS OF WORK & MAT'LS	QUANTITY	UNIT PRICE	TOTAL AMOUNT
8" ASTM C-14, CL 3 CSP	610 LF	\$ 25 00 LF	\$ 15,250 00
6" ASTM C-14, CL 3 CSP	400 LF	\$ 22 00 LF	\$ 8,800 00
6"X8" TEE, ASTM C-14, CL 3	16 EA	\$ 100 00 EA	\$ 1,600 00
48" STD PRECAST MH	3 EA	\$ 1,800 00 EA	\$ 5,400 00
48" STD PRECAST MH, OVER 8'	0 LF	\$ 200 00 LF	\$ -
8" CONNECTION TO EXISTING MH	0 EA	\$ 600 00 EA	\$ -
8" CONNECTION TO EXISTING PIPE	1 EA	\$ 400 00 EA	\$ 400 00
COMMON TRENCH EXC & NATIVE BACKFILL	801 CY	\$ 15 00 CY	\$ 12,022 22
CSP PIPE BEDDING CLASS "C"	240 CY	\$ 25 00 CY	\$ 6,011 11
IMP GRANULAR BACKFILL	561 CY	\$ 10 00 CY	\$ 5,610 37
AC PAVEMENT REPLACEMENT 2" THICK	303 SY	\$ 20 00 SY	\$ 6,066 67
ROCK SURFACING	0 CY	\$ 20 00 CY	\$ -
CONCRETE CURB REPLACEMENT	48 LF	\$ 20 00 LF	\$ 960 00
SIDEWALK REPLACEMENT	81 SF	\$ 50 00 SF	\$ 4,050 00
SUMP REPLACEMENT	0 EA	\$ 10,000 00 EA	\$ -
RECONSTRUCT EXIST INLET	1 EA	\$ 500 00 EA	\$ 500 00
TOTAL CONSTRUCTION COST			\$ 66,670.37
TOTAL PROJECT COST			\$ 93,338.52
EXISTING HOMES SERVED	16 EA		
VACANT LOTS SERVED	0 EA		
TOTAL SERVICES	16 EA		
TOTAL COST PER SERVICE			\$ 5,833.66

COST ESTIMATES

PRIORITY RATING

Sewer Extension Master Plan

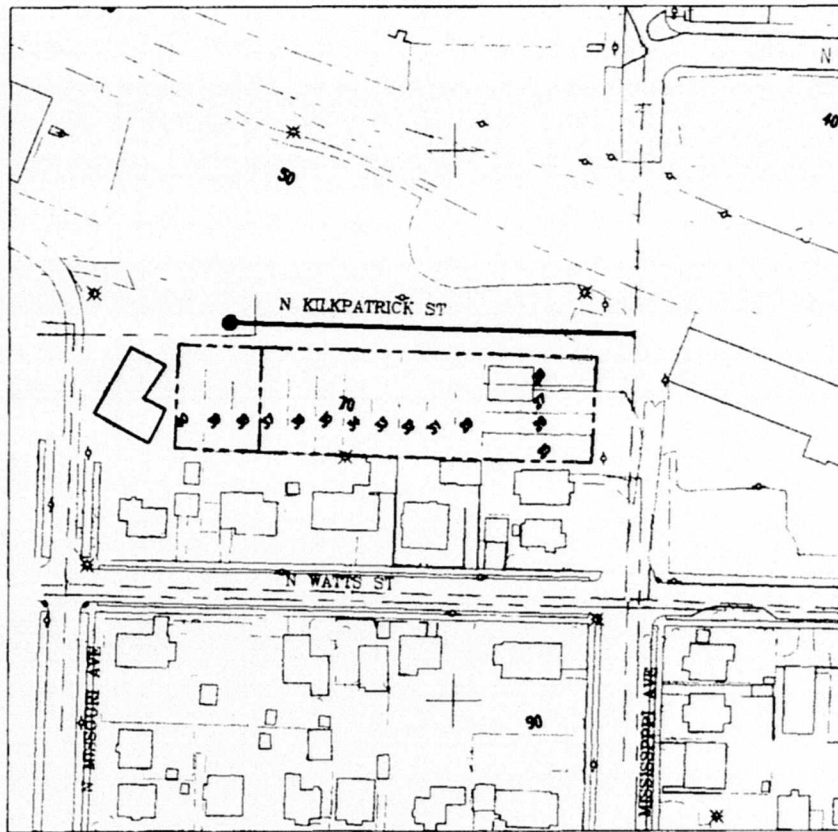
Priority Criteria and Scoring

Project Area Number

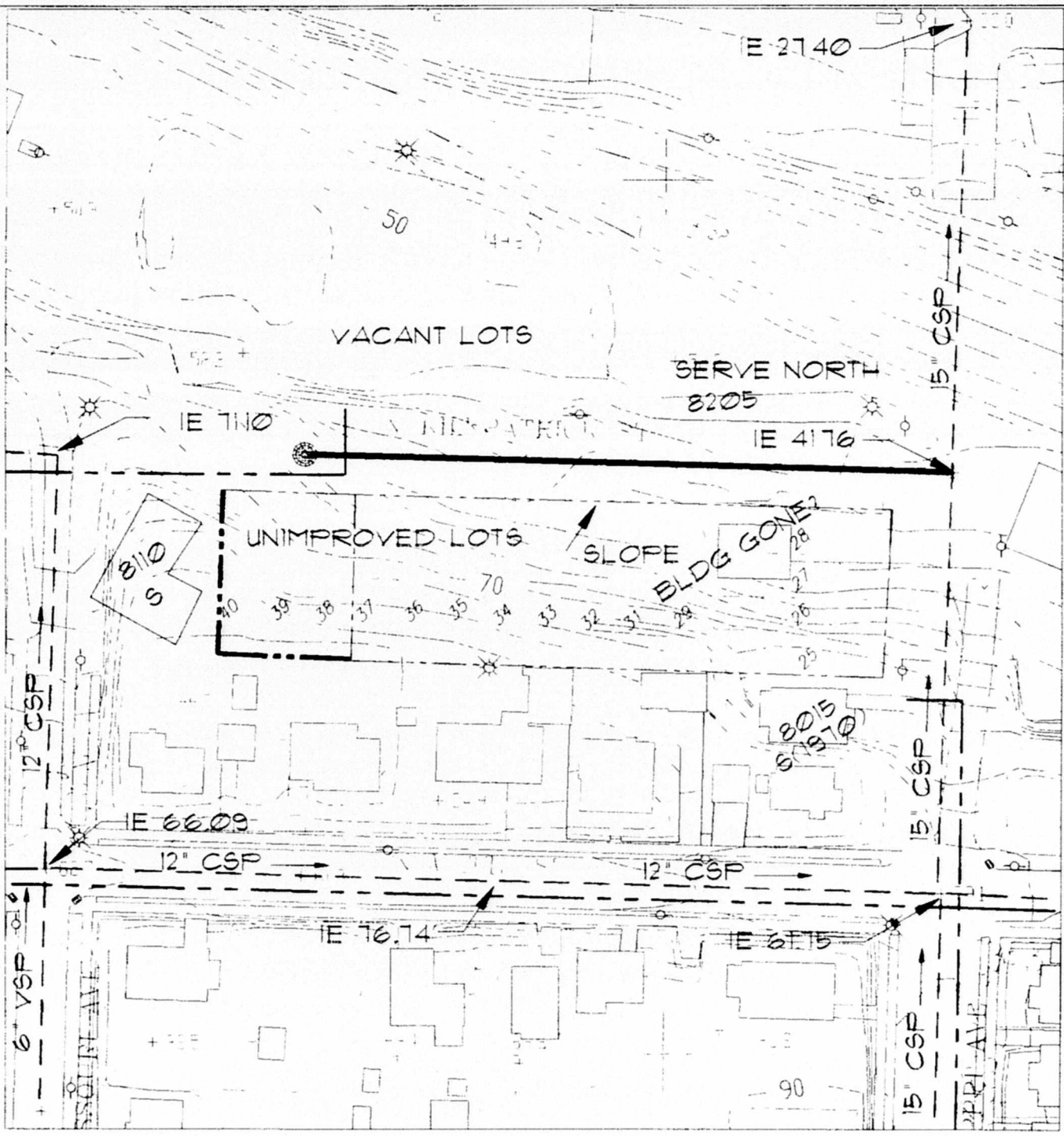
21

CRITERIA	GUIDELINES	SCORE
I Public Health		
1 Does the area have any record of septic system failure or public health problems?	0 = None 10 = Many, well documented 5 = No Record	5
2 How many septic systems have been replaced? None 25 Percent 50 Percent > 50 percent No records exist	0 points 4 points 7 points 9 points 5 points	4
II Implementation		
1 Is the project in a CSO impact area?	Yes <input checked="" type="checkbox"/> No	
2 If yes, will the CSO project occur Before year 2000? Year 2000 - 2010? After 2010? Not in a CSO project area	9 points 5 points 2 points 1 point	9
3 Are there any other city projects planned in the same area * within 3 years? 5 years? 10 years? None planned	8 points 6 points 3 points 0 points	
4 Will the project impact any environmental zones during construction?	yes - 3 points no - 8 points	8
III Project Costs		
1 Is the average cost per residence < 80 % of city average? > 80 % < 120 % of city average > 120 % of city average	8 points 5 points 2 points	8

* Annual CIP review should include survey of other bureaus for area projects



NEIGHBORHOOD	PIEDMONT
QUARTER SECTION	2229
LOCATION	N KILPATRICK ST N MISSOURI TO MISSISSIPPI AVE
CONTRIBUTES TO CSO?	NO



LEGEND

- NEW SANITARY LINE
- EXISTING SANITARY LINE
- EXISTING STORM LINE
- EXISTING WATER LINE
- BOUNDARY LINE
- FENCE LINE
- LOT LINES
- EXISTING MANHOLE
- NEW MANHOLE

B - BASEMENT
S - SEWER CONNECTED



SCALE 1" = 150'

AREA 22

**BUREAU OF ENVIRONMENTAL SERVICES
SEWER EXTENSION MASTER PLAN
PROJECT NO. 5308**

AREA NO 22

NEIGHBORHOOD Piedmont

LOCATION N. Killpatrick between
N Missouri and N
Mississippi

QUARTER SECTION 2229

Project Description:

This project addresses service to 15 very small, undeveloped lots located along the north side of N Killpatrick Street between N Missouri and N Mississippi Avenues. These lots are located on a steep, wooded hillside and may, with their current size, not be able to be developed.

If constructed, the line will begin with a connection to the existing 15-inch sewer on N Mississippi Avenue and will extend west for a distance of 675 feet along the north edge of the unimproved lots. Since there are no residences on the lots in the project area, no septic systems will be removed as a result of this project.

The following figures and tables present detailed information about this project.

Priority Ranking:

Review of the project revealed that there are no residences on any of the parcels of land in question. Therefore, no public funds can be used under this program to provide sanitary sewers to these properties. This project has no priority rating.

Project Cost:

Construction of this project will cost about \$ 45,500. This includes provision of service lines to the edge of the property of each lot. In all, 15 lots will receive sewage service connections to the public system.

On average this project will cost \$ 6494 per lot. This compares to a city-wide average of \$ 9769 per residence for all similar projects.

AREA 22

ITEMS OF WORK & MAT'LS	QUANTITY	UNIT PRICE	TOTAL AMOUNT
8" ASTM C-14, CL 3 CSP	420 LF	\$ 25 00 LF	\$ 10,500 00
6" ASTM C-14, CL 3 CSP	175 LF	\$ 22 00 LF	\$ 3,850 00
6"X8" TEE, ASTM C-14, CL 3	7 EA	\$ 100 00 EA	\$ 700 00
48" STD PRECAST MH	1 EA	\$ 1,800 00 EA	\$ 1,800 00
48" STD PRECAST MH, OVER 8'	0 LF	\$ 200 00 LF	\$ -
8" CONNECTION TO EXISTING MH	1 EA	\$ 600 00 EA	\$ 600 00
8" CONNECTION TO EXISTING PIPE	0 EA	\$ 400 00 EA	\$ -
COMMON TRENCH EXC & NATIVE BACKFILL	487 CY	\$ 15 00 CY	\$ 7,301 39
CSP PIPE BEDDING CLASS "C"	146 CY	\$ 25 00 CY	\$ 3,650 69
IMP GRANULAR BACKFILL	341 CY	\$ 10 00 CY	\$ 3,407 31
AC PAVEMENT REPLACEMENT 2" THICK	0 SY	\$ 20 00 SY	\$ -
ROCK SURFACING	33 CY	\$ 20 00 CY	\$ 661 11
CONCRETE CURB REPLACEMENT	0 LF	\$ 20 00 LF	\$ -
SIDEWALK REPLACEMENT	0 SF	\$ 50 00 SF	\$ -
SUMP REPLACEMENT	0 EA	\$ 10,000 00 EA	\$ -
RECONSTRUCT EXIST INLET	0 EA	\$ 500 00 EA	\$ -
TOTAL CONSTRUCTION COST			\$ 32,470.51
TOTAL PROJECT COST			\$ 45,458.71
EXISTING HOMES SERVED	0 EA		
VACANT LOTS SERVED	7 EA		
TOTAL SERVICES	7 EA		
TOTAL COST PER SERVICE			\$ 6,494.10

COST ESTIMATES

Sewer Extension Master Plan

Priority Criteria and Scoring

Project Area Number

22

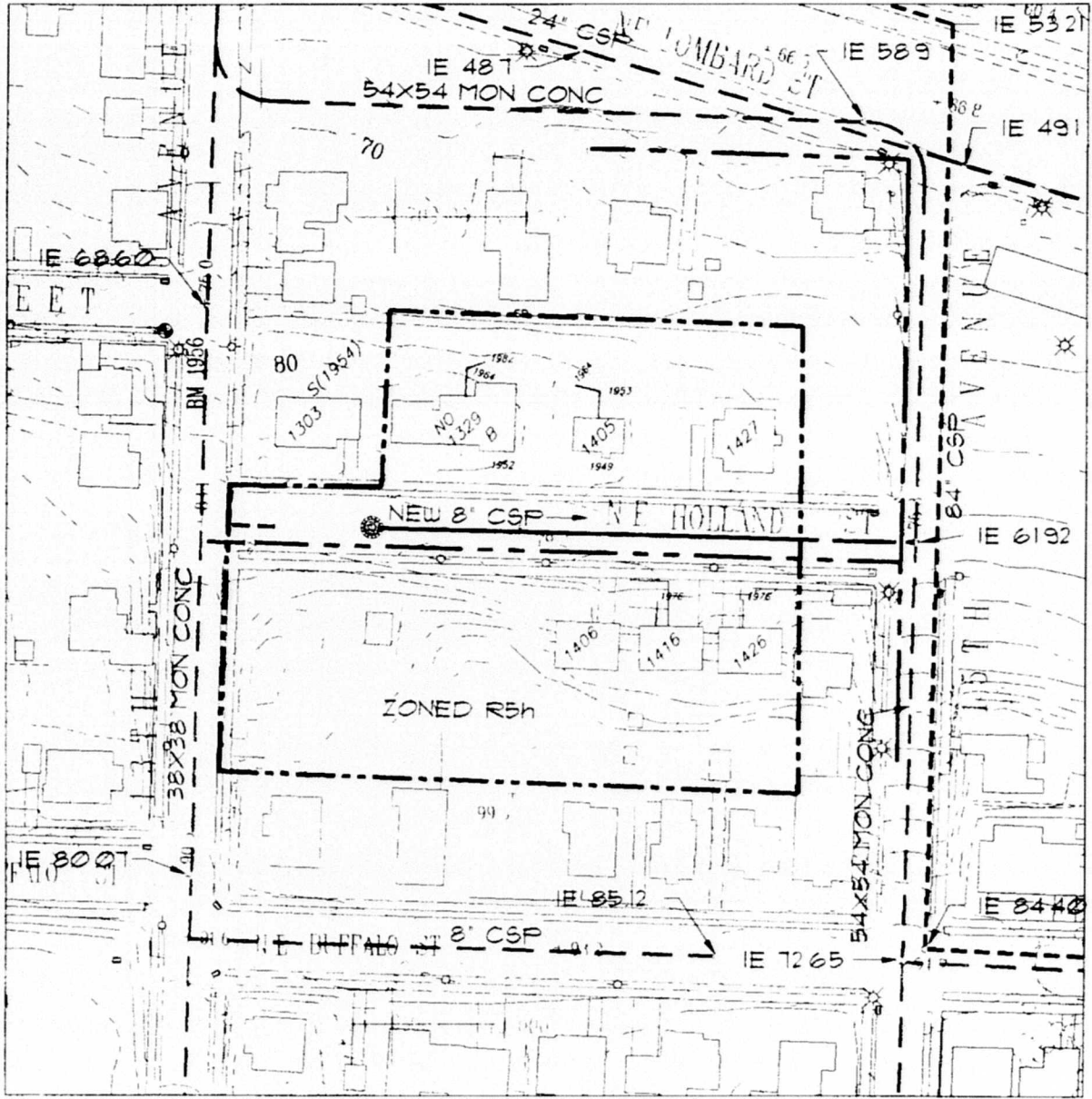
CRITERIA	GUIDELINES	SCORE
I Public Health		
1 Does the area have any record of septic system failure or public health problems?	0 = None 10 = Many, well documented 5 = No Record	0
2 How many septic systems have been replaced? None 25 Percent 50 Percent > 50 percent No records exist	0 points 4 points 7 points 9 points 5 points	0
II Implementation		
1 Is the project in a CSO impact area?	Yes <input checked="" type="checkbox"/> No	
2 If yes, will the CSO project occur Before year 2000? Year 2000 - 2010? After 2010? Not in a CSO project area	9 points 5 points 2 points 1 point	9
3 Are there any other city projects planned in the same area * within 3 years? 5 years? 10 years? None planned	8 points 6 points 3 points 0 points	
4 Will the project impact any environmental zones during construction?	yes - 3 points no - 8 points	8
III Project Costs		
1 Is the average cost per residence < 80 % of city average? > 80 % < 120 % of city average > 120 % of city average	8 points 5 points 2 points	8

* Annual CIP review should include survey of other bureaus for area projects



NEIGHBORHOOD
QUARTER SECTION
LOCATION:
CONTRIBUTES TO CSO?

WOODLAWN
2332,2331
NE HOLLAND ST
13TH TO 15TH AVE
NO



LEGEND

- NEW SANITARY LINE
- EXISTING SANITARY LINE
- EXISTING STORM LINE
- EXISTING WATER LINE
- BOUNDARY LINE
- FENCE LINE
- LOT LINES
- EXISTING MANHOLE
- NEW MANHOLE

B - BASEMENT
S - SEWER CONNECTED



SCALE 1"=100'

AREA 23



**BUREAU OF ENVIRONMENTAL SERVICES
SEWER EXTENSION MASTER PLAN
PROJECT NO. 5308**

AREA NO	23	NEIGHBORHOOD	Woodlawn
LOCATION	NE Holland Street between NE 13 and NE 15th Avenues	QUARTER SECTION	2331 & 2332

Project Description:

This project will provide sanitary sewer service to 7 homes and 3 parcels along NE Holland Street in the Woodlawn neighborhood. The line will begin with a connection to the existing sewer system at NE 15th Avenue and will extend 330 feet west on NE Holland Street to its terminus. Four existing homes on the north side of NE Holland and 3 homes on the south side of NE Holland will receive sewer service.

The following figures and tables present detailed information about this project.

Priority Ranking:

Review of the existing septic system conditions and the age of the existing systems place this project as the number 24 priority project. No record of existing septic system construction are available for this area. It is assumed that each home is served by an individual septic system and that 7 systems will be removed when this project is constructed.

Project Cost:

Construction of this project will cost about \$ 59,500. This includes provision of service lines to the edge of the property of each home. In all, 7 homes will receive sewage service connections to the public system.

On average this project will cost \$ 5949 per residence. This compares to a city-wide average of \$ 9769 per residence for all similar projects.

ITEMS OF WORK & MAT'LS	QUANTITY	UNIT PRICE	TOTAL AMOUNT
8" ASTM C-14, CL 3 CSP	340 LF	\$ 25 00 LF	\$ 8,500 00
6" ASTM C-14, CL 3 CSP	300 LF	\$ 22 00 LF	\$ 6,600 00
6"X8" TEE, ASTM C-14, CL 3	10 EA	\$ 100 00 EA	\$ 1,000 00
48" STD PRECAST MH	1 EA	\$ 1,800 00 EA	\$ 1,800 00
48" STD PRECAST MH, OVER 8'	0 LF	\$ 200 00 LF	\$ -
8" CONNECTION TO EXISTING MH	1 EA	\$ 600 00 EA	\$ 600 00
8" CONNECTION TO EXISTING PIPE	0 EA	\$ 400 00 EA	\$ -
COMMON TRENCH EXC & NATIVE BACKFILL	497 CY	\$ 15 00 CY	\$ 7,450 00
CSP PIPE BEDDING CLASS "C"	149 CY	\$ 25 00 CY	\$ 3,725 00
IMP GRANULAR BACKFILL	348 CY	\$ 10 00 CY	\$ 3,476 67
AC PAVEMENT REPLACEMENT 2" THICK	187 SY	\$ 20 00 SY	\$ 3,738 89
ROCK SURFACING	0 CY	\$ 20 00 CY	\$ -
CONCRETE CURB REPLACEMENT	30 LF	\$ 20 00 LF	\$ 600 00
SIDEWALK REPLACEMENT	90 SF	\$ 50 00 SF	\$ 4,500 00
SUMP REPLACEMENT	0 EA	\$ 10,000 00 EA	\$ -
RECONSTRUCT EXIST INLET	1 EA	\$ 500 00 EA	\$ 500 00
TOTAL CONSTRUCTION COST			\$ 42,490.56
TOTAL PROJECT COST			\$ 59,486.78
EXISTING HOMES SERVED	6 EA		
VACANT LOTS SERVED	4 EA		
TOTAL SERVICES	10 EA		
TOTAL COST PER SERVICE			\$ 5,948.68

COST ESTIMATES

PRIORITY RATING

Sewer Extension Master Plan

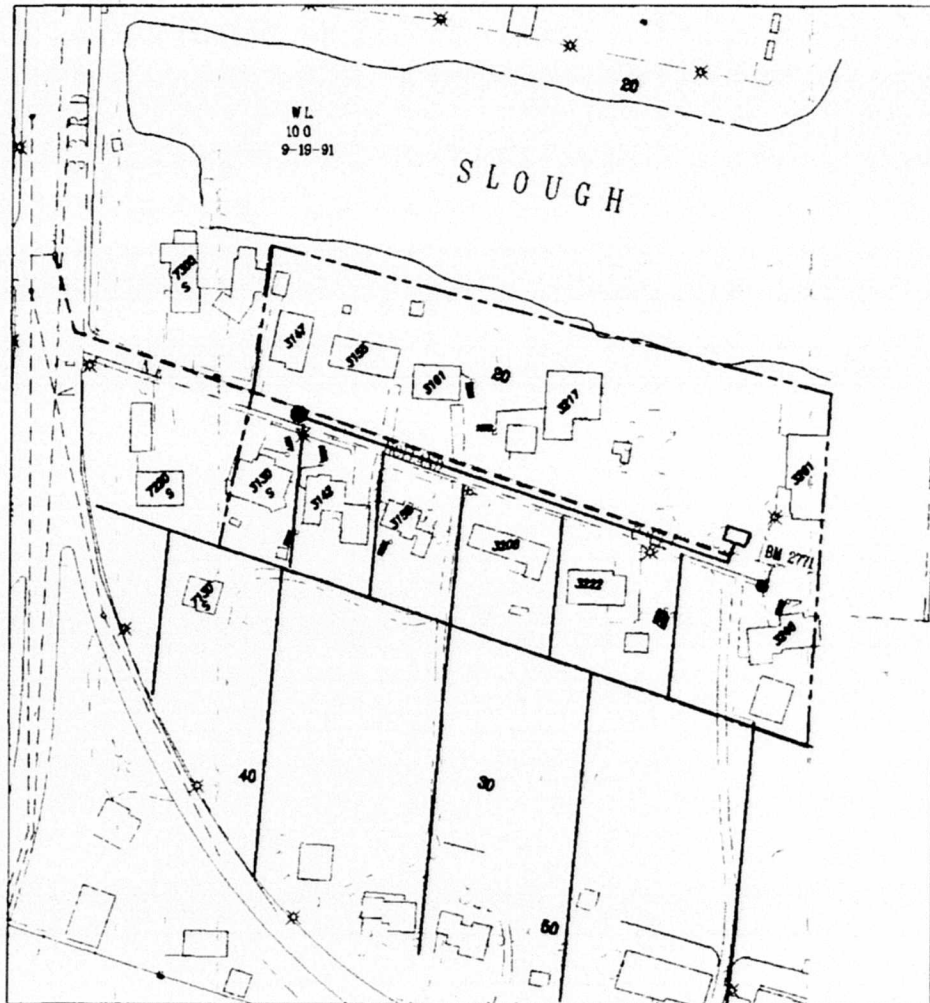
Priority Criteria and Scoring

Project Area Number

23

CRITERIA	GUIDELINES	SCORE
I Public Health		
1 Does the area have any record of septic system failure or public health problems?	0 = None 10 = Many, well documented 5 = No Record	5
2 How many septic systems have been replaced? None 25 Percent 50 Percent > 50 percent No records exist	0 points 4 points 7 points 9 points 5 points	6
II Implementation		
1 Is the project in a CSO impact area?	Yes No <input checked="" type="checkbox"/>	
2 If yes, will the CSO project occur Before year 2000? Year 2000 - 2010? After 2010? Not in a CSO project area	9 points 5 points 2 points 1 point	1
3 Are there any other city projects planned in the same area * within 3 years? 5 years? 10 years? None planned	8 points 6 points 3 points 0 points	
4 Will the project impact any environmental zones during construction?	yes - 3 points no - 8 points	8
III Project Costs		
1 Is the average cost per residence < 80 % of city average? > 80 % < 120 % of city average > 120 % of city average	8 points 5 points 2 points	8

* Annual CIP review should include survey of other bureaus for area projects

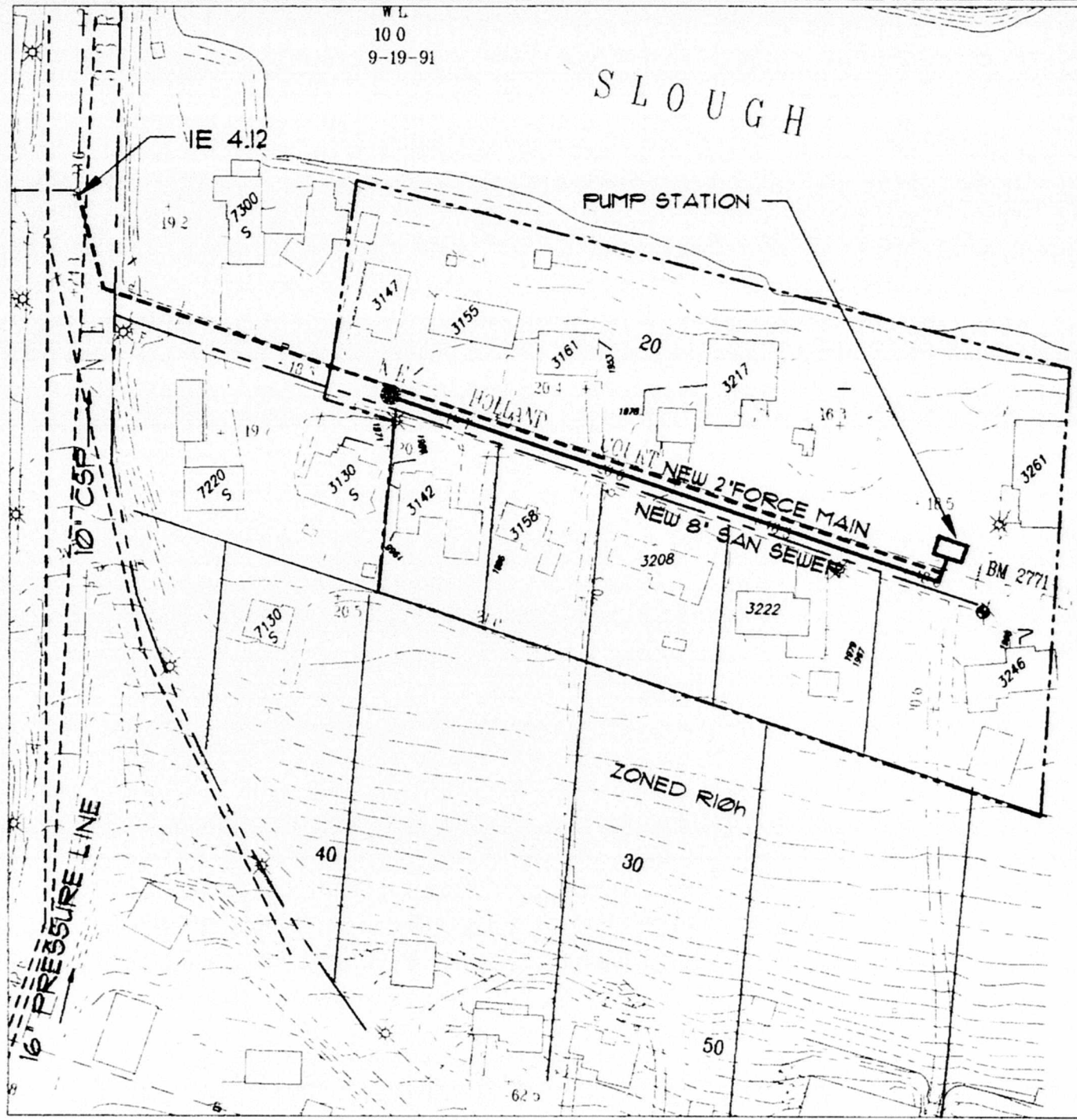


NEIGHBORHOOD
QUARTER SECTION
LOCATION
CONTRIBUTES TO CSO?

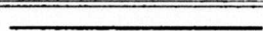

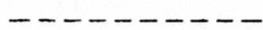
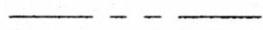





SUNDERLAND
2333
NE HOLLAND ST
NE 33RD DR TO 33RD AVE
NO

W.L.
100
9-19-91

SLOUGH



LEGEND

- NEW SANITARY LINE 
- EXISTING SANITARY LINE 
- EXISTING STORM LINE 
- EXISTING WATER LINE 
- BOUNDARY LINE 
- FENCE LINE 
- LOT LINES 
- EXISTING MANHOLE 
- NEW MANHOLE 

B - BASEMENT
S - SEWER CONNECTED



SCALE 1"=100'
AREA 24

**BUREAU OF ENVIRONMENTAL SERVICES
SEWER EXTENSION MASTER PLAN
PROJECT NO. 5308**

AREA NO 24

NEIGHBORHOOD Sunderland

LOCATION NE Holland Street between
NE 33rd Drive and NE 33rd
Avenue

QUARTER SECTION 2333

Project Description:

This project is located in a low-lying area northeast of the intersection of NE 33rd Avenue and Columbia Boulevard. Once implemented, it will provide sanitary sewer service to 11 existing homes. The system is comprised of a gravity sewer, a small pumping station and a force main connecting the station to an existing public sewer located in NE 33rd Avenue. The gravity sewer will extend about 430 feet along NE Holland Street, draining east to the pump station. From the pump station, the force main will extend west, back along NE Holland for a distance of 630 feet to a gravity sewer connection on NE 33rd Avenue. Completion of this project will allow removal of 11 existing septic systems.

The following figures and tables present detailed information about this project.

Priority Ranking:

Review of the existing septic system conditions and the age of the existing systems place this project as the 26th priority project. Records of septic systems were found for only 4 of the 11 home sites in the area. The earliest record dates to 1953 and the most recent, 1986. No direct record of septic tank or drainfield replacement were found.

Project Cost:

Construction of this project will cost about \$ 49,300. This includes provision of service lines to the edge of the property of each home. In all, 11 homes will receive sewage service connections to the public system.

On average this project will cost \$ 4484 per residence. This compares to a city-wide average of \$ 9769 per residence for all similar projects.

**CRANE MERSETH
ENGINEERING/SURVEYING
UN SEWERED AREAS**

AREA	PARCEL	OWNER FIRST NAME	LAST NAME	SITE	ADDRESS	CITY	ZIP
24	R80920 4570	Nancy B	Elleson	3130	NE Holland Ct	Portland	97211
24	R80920 5100	Alan W & Karen A	Davis	3142	NE Holland Ct	Portland	97211
24	R80920 4550	Mason C Tr	Heidtke	3147	NE Holland Ct	Portland	97211
24	R80920 4840	David R	Huft	3155	NE Holland Ct	Portland	97211
24	R80920 4810	Donnda	Bonaduce	3158	NE Holland Ct	Portland	97211
24	R80920 5160	Stanley R	Hultberg	3208	NE Holland Ct	Portland	97211
24	R80920 4880	Dolores	Dutchuk	3217	NE Holland Ct	Portland	97211
24	R80920 4920	Dolores	Dutchuk	3217	NE Holland Ct	Portland	97211
24	R80920 5130	Timothy L	Jenkins	3222	NE Holland Ct	Portland	97211
24	R64972 3820	Richard T & Judy M	Potts	3242	NE Holland Ct	Portland	97211
24	R64972 3800	Anthony John & Norarene R	Flores	3246	NE Holland Ct	Portland	97211
24	R80920 5010	Leona B	Giese	3261	NE Holland Ct	Portland	97211

ITEMS OF WORK & MAT'LS	QUANTITY	UNIT PRICE	TOTAL AMOUNT
8" ASTM C-14, CL 3 CSP	430 LF	\$ 25 00 LF	\$ 10,750 00
2" FORCE MAIN	430 LF	\$ - LF	\$ -
6" ASTM C-14, CL 3 CSP	220 LF	\$ 22 00 LF	\$ 4,840 00
6"X8" TEE, ASTM C-14, CL 3	11 EA	\$ 100 00 EA	\$ 1,100 00
48" STD PRECAST MH	1 EA	\$ 1,800 00 EA	\$ 1,800 00
48" STD PRECAST MH, OVER 8' PUMP STATION	0 LF	\$ 200 00 LF	\$ -
8" CONNECTION TO EXISTING MH	0 EA	\$ - EA	\$ -
8" CONNECTION TO EXISTING PIPE	1 EA	\$ 600 00 EA	\$ 600 00
8" CONNECTION TO EXISTING PIPE	0 EA	\$ 400 00 EA	\$ -
COMMON TRENCH EXC & NATIVE BACKFILL	525 CY	\$ 15 00 CY	\$ 7,872 22
CSP PIPE BEDDING CLASS "C"	157 CY	\$ 25 00 CY	\$ 3,936 11
IMP GRANULAR BACKFILL	367 CY	\$ 10 00 CY	\$ 3,673 70
AC PAVEMENT REPLACEMENT 2" THICK	0 SY	\$ 20 00 SY	\$ -
ROCK SURFACING	0 CY	\$ 20 00 CY	\$ -
CONCRETE CURB REPLACEMENT	33 LF	\$ 20 00 LF	\$ 660 00
SIDEWALK REPLACEMENT	0 SF	\$ 50 00 SF	\$ -
SUMP REPLACEMENT	0 EA	\$ 10,000 00 EA	\$ -
RECONSTRUCT EXIST INLET	0 EA	\$ 500 00 EA	\$ -
TOTAL CONSTRUCTION COST			\$ 35,232.04
TOTAL PROJECT COST			\$ 49,324.85
EXISTING HOMES SERVED	11 EA		
VACANT LOTS SERVED	0 EA		
TOTAL SERVICES	11 EA		
TOTAL COST PER SERVICE			\$ 4,484.08

INCOMPLETE W/OUT PS PRICES

COST ESTIMATES

PRIORITY RATING

Sewer Extension Master Plan

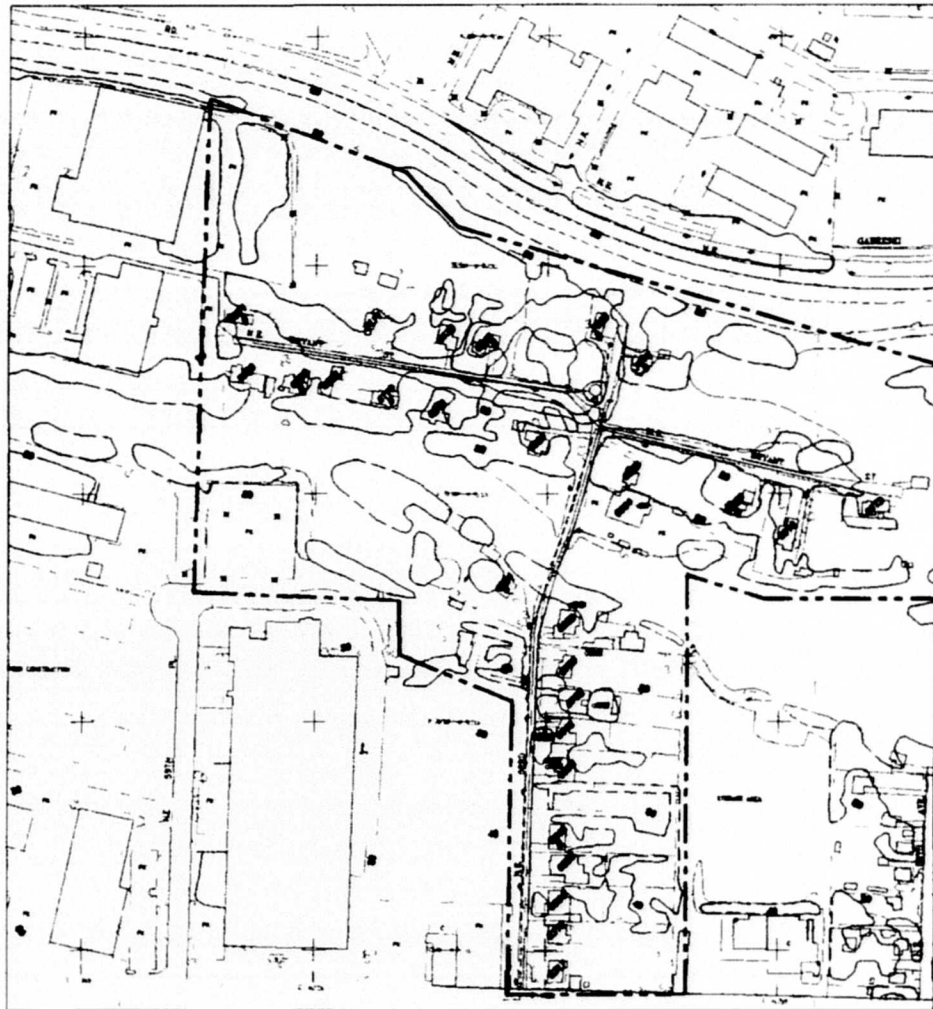
Priority Criteria and Scoring

Project Area Number

24

CRITERIA	GUIDELINES	SCORE
I Public Health		
1 Does the area have any record of septic system failure or public health problems?	0 = None 10 = Many, well documented 5 = No Record	5
2 How many septic systems have been replaced? None 25 Percent 50 Percent >50 percent No records exist	0 points 4 points 7 points 9 points 5 points	4
II Implementation		
1 Is the project in a CSO impact area?	Yes No <input checked="" type="checkbox"/>	
2 If yes, will the CSO project occur Before year 2000? Year 2000 - 2010? After 2010? Not in a CSO project area	9 points 5 points 2 points 1 point	1
3 Are there any other city projects planned in the same area * within 3 years? 5 years? 10 years? None planned	8 points 6 points 3 points 0 points	0
4 Will the project impact any environmental zones during construction?	yes - 3 points no - 8 points	8
III Project Costs		
1 Is the average cost per residence < 80 % of city average? > 80 % < 120 % of city average > 120 % of city average	8 points 5 points 2 points	8

* Annual CIP review should include survey of other bureaus for area projects

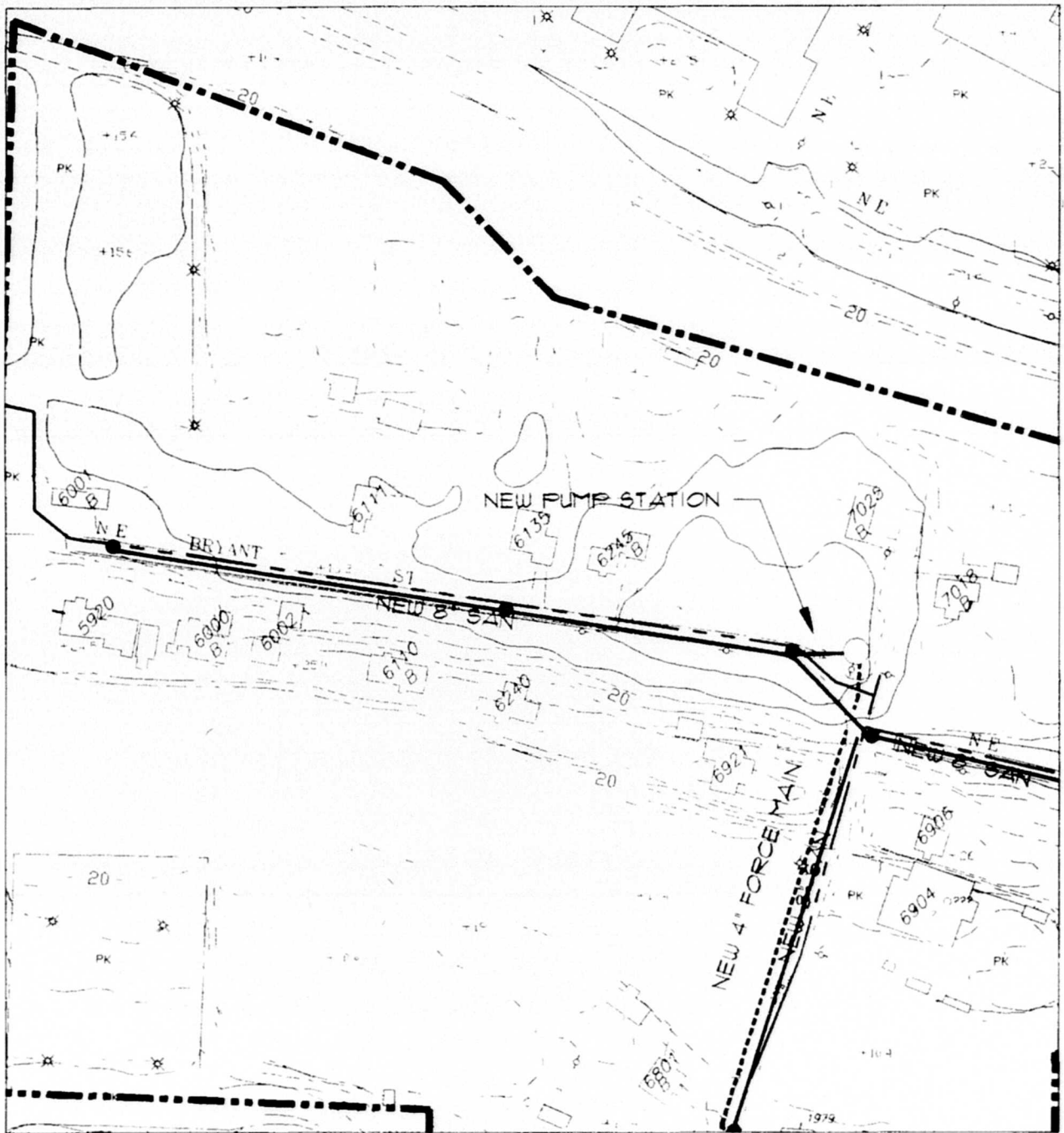


NEIGHBORHOOD
QUARTER SECTION
LOCATION.

CULLY
2336-2337
N.E. BRYANT ST
EAST OF 59th AVE.

CONTRIBUTES TO CSO?

NO



LEGEND

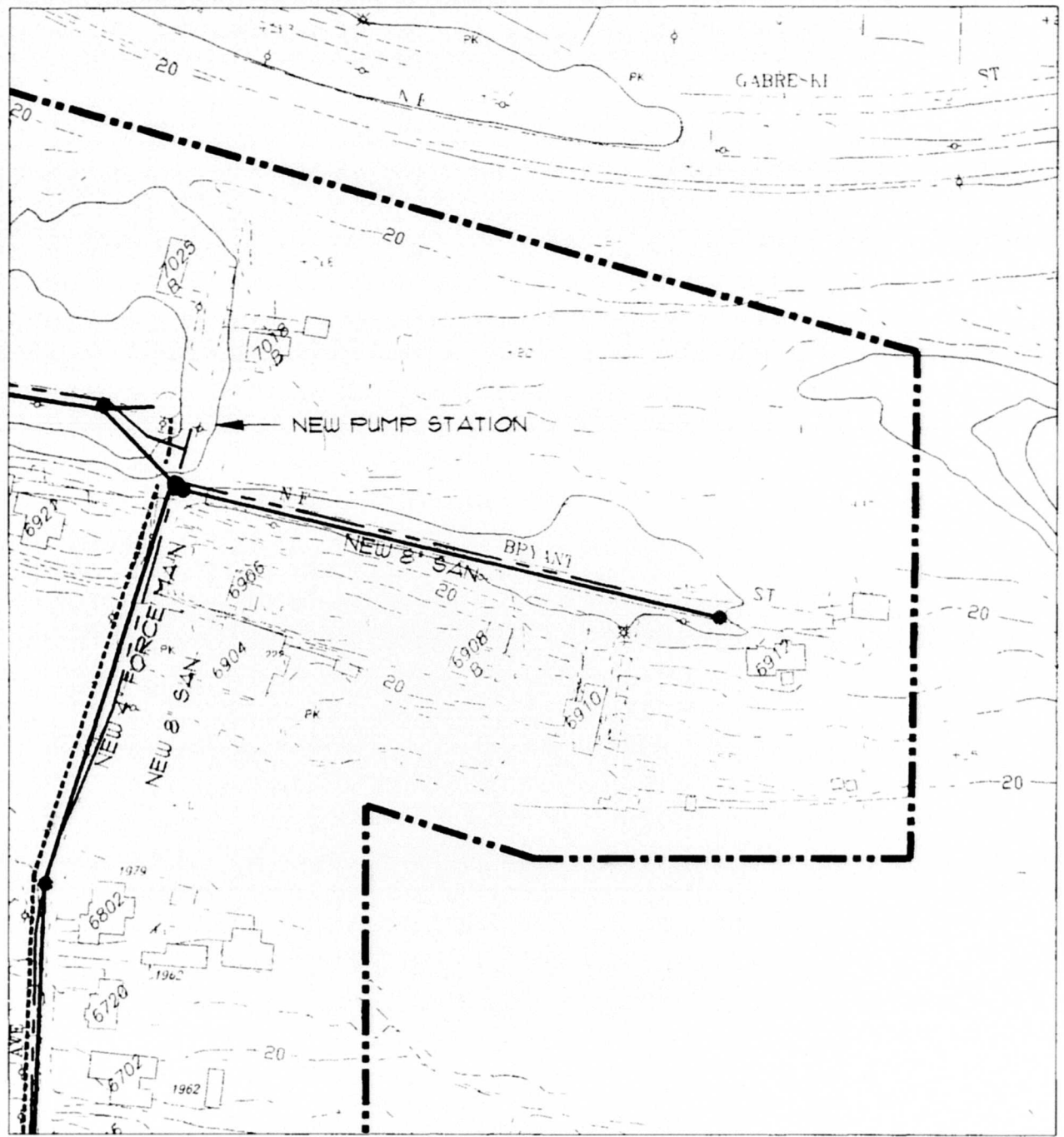
- NEW SANITARY LINE
- EXISTING SANITARY LINE
- EXISTING STORM LINE
- EXISTING WATER LINE
- BOUNDARY LINE
- FENCE LINE
- LOT LINES
- EXISTING MANHOLE
- NEW MANHOLE

B - BASEMENT
S - SEWER CONNECTED



SCALE 1"=150'

AREA 25 A



LEGEND

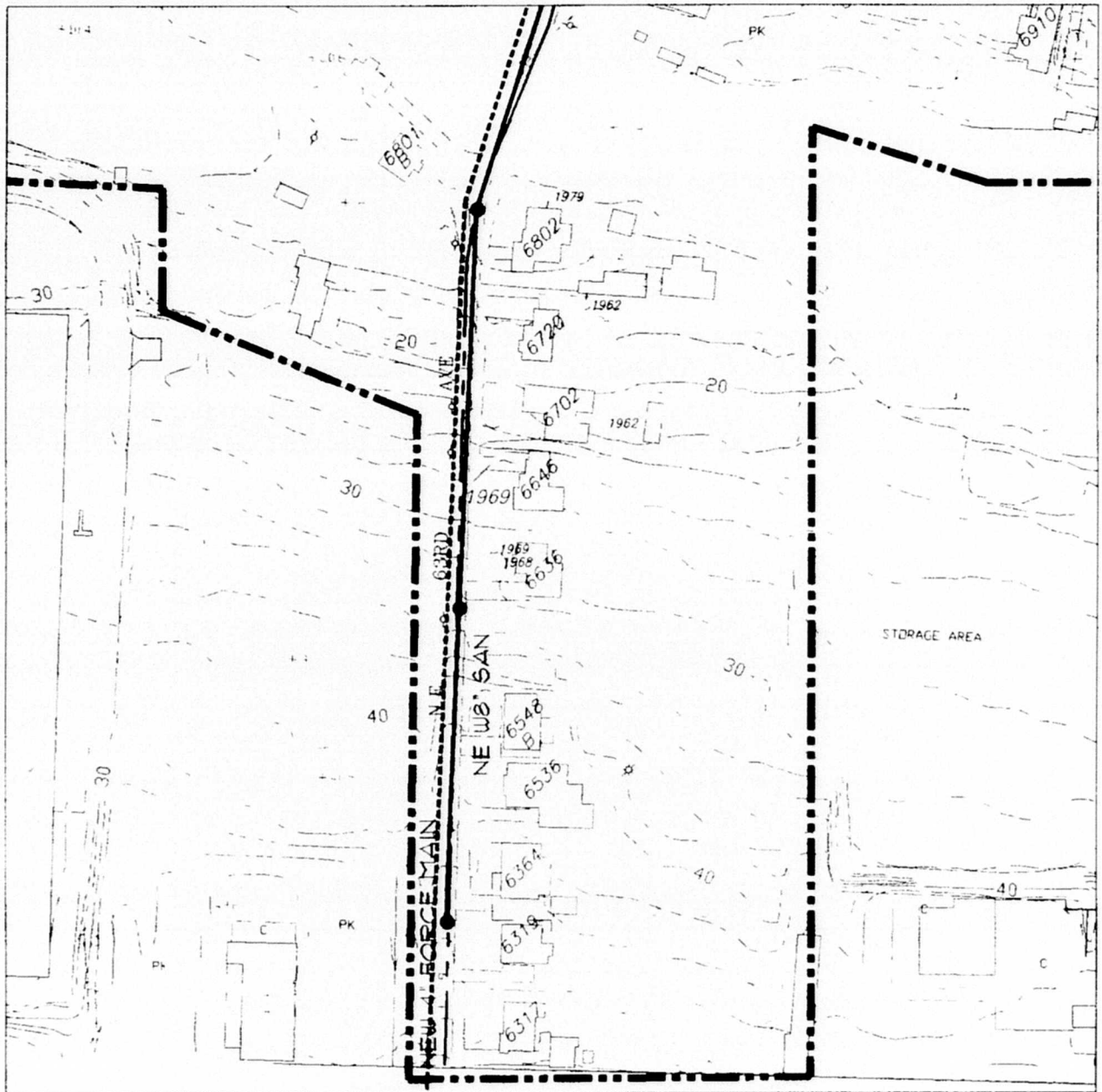
- NEW SANITARY LINE
- EXISTING SANITARY LINE
- EXISTING STORM LINE
- EXISTING WATER LINE
- BOUNDARY LINE
- FENCE LINE
- LOT LINES
- EXISTING MANHOLE
- NEW MANHOLE

B - BASEMENT
 S - SEWER CONNECTED



SCALE 1"=150'

AREA 25 B



LEGEND

NEW SANITARY LINE	====
EXISTING SANITARY LINE	----
EXISTING STORM LINE	- - - -
EXISTING WATER LINE	----
BOUNDARY LINE	----
FENCE LINE	----
LOT LINES	- - - -
EXISTING MANHOLE	⊙
NEW MANHOLE	⊙

B - BASEMENT
S - SEWER CONNECTED



SCALE 1"=150'

AREA 25 C

**BUREAU OF ENVIRONMENTAL SERVICES
SEWER EXTENSION MASTER PLAN
PROJECT NO. 5308**

AREA NO 25

NEIGHBORHOOD Cully

LOCATION NE Bryant St east and
west of NE 63rd Avenue

QUARTER SECTION 2336/2337

Project Description:

This project will provide sanitary sewer service to 27 homes in the Cully neighborhood. The new system will consist of an 8" sanitary sewerline located along NE Bryant Street, extending both east and west from NE 63rd Avenue and a similar line extending south along NE 63rd Avenue to serve homes along that street. Total length of the two sewer lines is about 1600 lineal feet.

These lines will meet at a low area near the northwest corner of NE Bryant and NE 63rd where a small pump station will be constructed. A force main will run from the pump station south on 63rd Avenue a distance of 1125 feet to its discharge in a sanitary sewer on Columbia Boulevard. This area has not been previously served because of the need for a pumped system.

Because of the area's location and proximity to a water body parallel to NE Bryant Street, environmental zoning will impact the design and construction of this project. A culvert connects the water bodies on either side of NE 63rd Avenue.

The following figures and tables present detailed information about this project.

Priority Ranking:

Review of the existing septic system records indicates that information exists on only 2 of the properties in the project area. All homes are likely served by septic systems however. All septic systems will be abandoned following construction of this project. Review of the existing septic system conditions, project costs and environmental factors place this project as the 44th priority project.

Project Cost:

Construction of this project will cost about \$ 331,000. This includes provision of service

lines to the edge of the property of each home In all, 27 existing homes will receive sewage service connections to the public system A number of undeveloped properties in the project area will be improved with the installation of a public sewer system

On average this project will cost \$ 12,261 per residence This compares to a city-wide average of \$ 9769 per residence for all similar projects

CRANE MERSETH
 ENGINEERING/SURVEYING
 UN SEWERED AREAS

35471

AREA	PARCEL	OWNER FIRST NAME	LAST NAME	SITE	ADDRESS	CITY	ZIP
25	R94217 1010	John T & Helen J	Lawce	6646	NE 63rd Ave	Portland	97218
25	R94217 1210	Kenneth E & Kerry L	Woods	6636	NE 63rd Ave	Portland	97218
25	R94217 1310	Theron R	Howser	6908	NE 63rd Ave	Portland	97218
25	R94218 1480	Rena	Cusma	6801	NE 63rd Ave	Portland	97218
25	R94217 1760	Hugh S	Mount	6364	NE 63rd Ave	Portland	97218
25	R94217 1370	Lloyd A & Dianna M	Peck	6510	NE 63rd Ave	Portland	97218
25	R94217 1270	Hugh S	Mount	6516	NE 63rd Ave	Portland	97218
25	R94217 1250	Lawrence H & Marilyn G	Leininger Jr	6520	NE 63rd Ave	Portland	97218
25	R94217 1240	Albert F & Loma L	Strey	6536	NE 63rd Ave	Portland	97218
25	R94217 1670	Anna E	Fritz	6548	NE 63rd Ave	Portland	97218
25	R94217 1530	Ted G & Ellie	Sturm	6702	NE 63rd Ave	Portland	97218
25	R94217 1440	Edward E & Olive G	Scovell	6720	NE 63rd Ave	Portland	97218
25	P20016 6244	Leonard K & Mildred	Stohr	6802	NE 63rd Ave	Portland	97218
25	R94217 1260	Rawley O	Stohr	6802	NE 63rd Ave	Portland	97218
25	R94217 0230	Theron R	Howser	6904	NE 63rd Ave	Portland	97218
25	R94217 0410	Peter R	Stachelrodt	6921	NE 63rd Ave	Portland	97218
25	R94217 0260	John D & Carol C	Price	7018	NE 63rd Ave	Portland	97218
25	R94217 1360	Emiliano F & Jeanine M	Rodriguez	7025	NE 63rd Ave	Portland	97218
25	R94218 2990	Richard L	Myhre	5920	NE Bryant St	Portland	97218
25	R94218 3240	Gregory A & Shannon D	Benson	6000	NE Bryant St	Portland	97218
25	R94218 2280	Ronald W & Jean A	Harriman	6001	NE Bryant St	Portland	97218
25	R94218 2220	James P	Mosser	6002	NE Bryant St	Portland	97218
25	R94218 2740	Ken M & Antoinette M	Kucera	6110	NE Bryant St	Portland	97218
25	R94218 3610	Arthur A Tr	Hunger	6111	NE Bryant St	Portland	97218
25	R94217 1010	John T & Helen J	Lawce	6258	NE 63rd Ave	Portland	97218
25	R94217 1210	Kenneth E & Kerry L	Woods	6235	NE 63rd Ave	Portland	97218
25	R94217 1190	Milton K & Alice L	Pankratz	6245	NE Bryant St	Portland	97218

AREA 25

ITEMS OF WORK & MAT'LS	QUANTITY	UNIT PRICE	TOTAL AMOUNT
8" ASTM C-14, CL 3 CSP	2600 LF	\$ 25 00 LF	\$ 65,000 00
3" FORCE MAIN	1350 LF	\$ 8 00 LF	\$ 10,800 00
6" ASTM C-14, CL 3 CSP	675 LF	\$ 22 00 LF	\$ 14,850 00
6"X8" TEE, ASTM C-14, CL 3	27 EA	\$ 100 00 EA	\$ 2,700 00
PUMP STATION	1 EA	\$ 20,000 00 EA	\$ 20,000 00
48" STD PRECAST MH	8 EA	\$ 1,800 00 EA	\$ 14,400 00
48" STD PRECAST MH, OVER 8'	0 LF	\$ 200 00 LF	\$ -
8" CONNECTION TO EXISTING MH	0 EA	\$ 600 00 EA	\$ -
8" CONNECTION TO EXISTING PIPE	0 EA	\$ 400 00 EA	\$ -
COMMON TRENCH EXC & NATIVE BACKFILL	2749 CY	\$ 15 00 CY	\$ 41,229 17
CSP PIPE BEDDING CLASS "C"	825 CY	\$ 25 00 CY	\$ 20,614 58
IMP GRANULAR BACKFILL	1924 CY	\$ 10 00 CY	\$ 19,240 28
AC PAVEMENT REPLACEMENT 2" THICK	1098 SY	\$ 20 00 SY	\$ 21,966 67
ROCK SURFACING	0 CY	\$ 20 00 CY	\$ -
CONCRETE CURB REPLACEMENT	81 LF	\$ 20 00 LF	\$ 1,620 00
SIDEWALK REPLACEMENT	81 SF	\$ 50 00 SF	\$ 4,050 00
SUMP REPLACEMENT	0 EA	\$ 10,000 00 EA	\$ -
RECONSTRUCT EXIST INLET	0 EA	\$ 500 00 EA	\$ -
TOTAL CONSTRUCTION COST			\$ 236,470.69
TOTAL PROJECT COST			\$ 331,058.97
EXISTING HOMES SERVED	27 EA		
VACANT LOTS SERVED	EA		
TOTAL SERVICES	27 EA		
TOTAL COST PER SERVICE			\$ 12,261 44

COST ESTIMATES

Sewer Extension Master Plan

Priority Criteria and Scoring

Project Area Number

25

CRITERIA	GUIDELINES	SCORE
I Public Health		
1 Does the area have any record of septic system failure or public health problems?	0 = None 10 = Many, well documented 5 = No Record	5
2 How many septic systems have been replaced? None 25 Percent 50 Percent > 50 percent No records exist	0 points 4 points 7 points 9 points 5 points	2
II Implementation		
1 Is the project in a CSO impact area?	Yes _____ No <input checked="" type="checkbox"/>	
2 If yes, will the CSO project occur Before year 2000? Year 2000 - 2010? After 2010? Not in a CSO project area	9 points 5 points 2 points 1 point	1
3 Are there any other city projects planned in the same area * within 3 years? 5 years? 10 years? None planned	8 points 6 points 3 points 0 points	
4 Will the project impact any environmental zones during construction?	yes - 3 points no - 8 points	8
III Project Costs		
1 Is the average cost per residence < 80 % of city average? > 80 % < 120 % of city average > 120 % of city average	8 points 5 points 2 points	2

* Annual CIP review should include survey of other bureaus for area projects

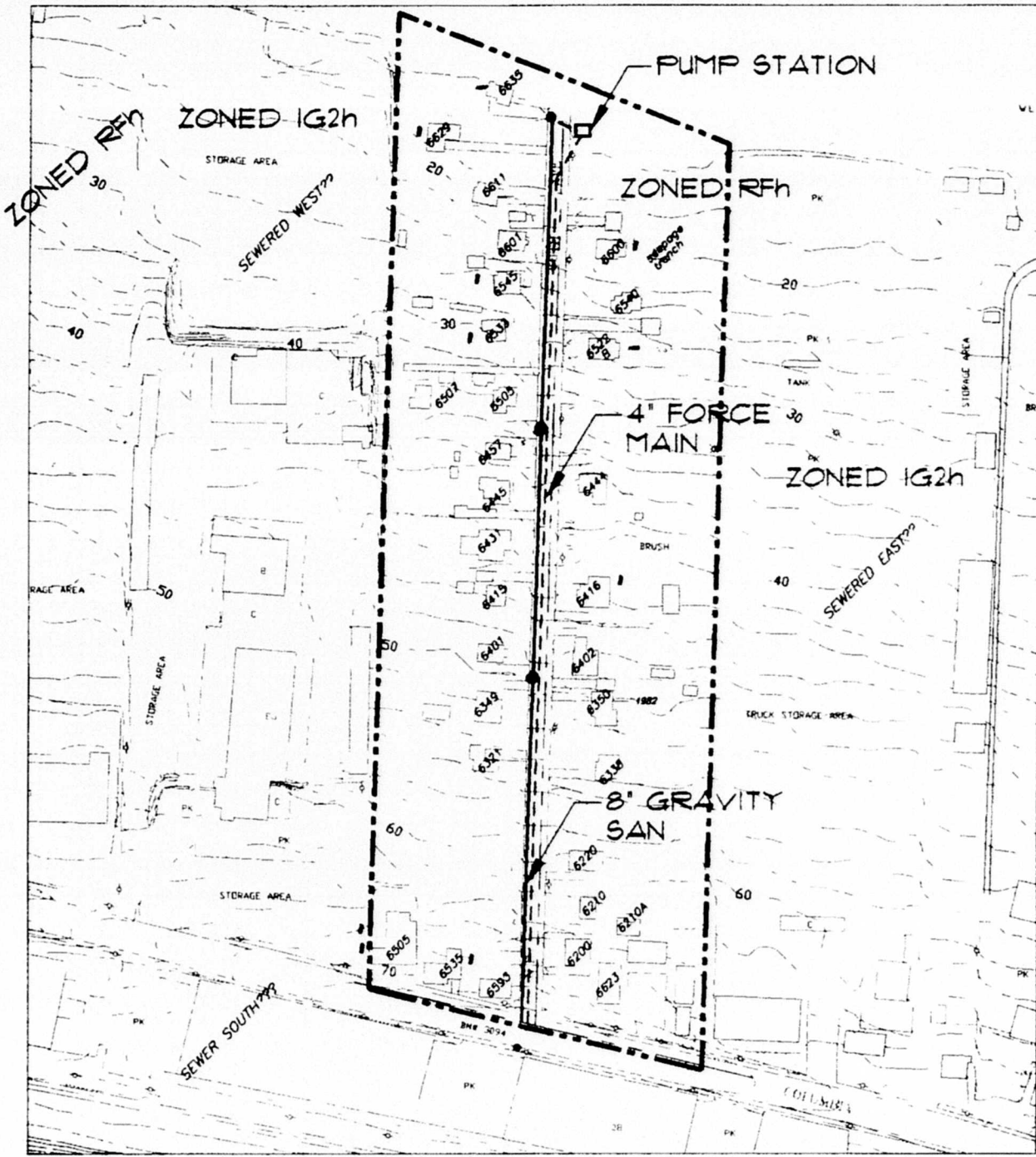


NEIGHBORHOOD
QUARTER SECTION
LOCATION:

2337-2437
N E 66th AVE
NORTH OF COLUMBIA BLVD.

CONTRIBUTES TO CSO?

NO



LEGEND

- NEW SANITARY LINE
- EXISTING SANITARY LINE
- EXISTING STORM LINE
- EXISTING WATER LINE
- BOUNDARY LINE
- FENCE LINE
- LOT LINES
- EXISTING MANHOLE
- NEW MANHOLE

B - BASEMENT
S - SEWER CONNECTED



SCALE 1"=200'
AREA 26

**BUREAU OF ENVIRONMENTAL SERVICES
SEWER EXTENSION MASTER PLAN
PROJECT NO. 5308**

AREA NO 26

NEIGHBORHOOD Cully

LOCATION NE 66th Avenue north
of NE Columbia Blvd

QUARTER SECTION 2337/2437

Project Description:

This project area drops about 50 feet from the high point on Columbia Boulevard to the Columbia Slough on the north. In this area, 30 homes currently are served by septic systems. All but 3 of the homes are located on NE 66th Avenue, the others front on NE Columbia Boulevard. Because of the topographic fall away from the public sewer in Columbia Boulevard, a pump station and force main will be needed to lift sewage from the north end of the project area to NE Columbia Boulevard.

No information about existing septic systems was found in the city or county files. Because of the gradient leading to the slough, any septic system failure could endanger the slough waters. Completion of this project will allow removal of all the existing septic systems in the project area.

Over 1200 feet of 8-inch diameter gravity sewerline and a similar length of force main will be required to provide service to the homes in this area. It appears that up to 3 vacant lots will acquire access to public sewer service through this project as well.

The following figures and tables present detailed information about this project.

Priority Ranking:

Review of the existing septic system conditions and the age of the existing systems place this project as the 36th priority project.

Project Cost:

Construction of this project will cost about \$ 229,800. This includes provision of service lines to the edge of the property of each home. In all, 30 homes will receive sewage service connections to the public system.

On average this project will cost \$ 6758 per residence This compares to a city-wide average of \$ 9769 per residence for all similar projects

CRANE MERSETH
ENGINEERING/SURVEYING
UN SEWERED AREAS

35471

AREA	PARCEL	OWNER FIRST NAME	LAST NAME	SITE	ADDRESS	CITY	ZIP
26				6200	NE 66th Ave	Portland	97218
26				6210	NE 66th Ave	Portland	97218
26	R94217 0810	Adolph	Valdez	6220	NE 66th Ave	Portland	97218
26	R94217 0640	Joy L	Smith	6321	NE 66th Ave	Portland	97218
26	R94217 0830	Ira M & Martha E	Eaton	6338	NE 66th Ave	Portland	97218
26	R94217 0650	Lawrence W	Major	6349	NE 66th Ave	Portland	97218
26	R94217 0840	Hazel B	Vaughn	6350	NE 66th Ave	Portland	97218
26	R94217 0660	Helen F	Cofer	6401	NE 66th Ave	Portland	97218
26	R94217 0850	Kenneth L	Pruner	6402	NE 66th Ave	Portland	97218
26	R94217 0670	Woodrow W	Shepherd	6415	NE 66th Ave	Portland	97218
26	R94217 0860	Jack L	Frost	6416	NE 66th Ave	Portland	97218
26	R94217 0680	Russell & Frances	Cooper	6431	NE 66th Ave	Portland	97218
26	R94217 0880	Jerry L & Diane M	Robinson	6444	NE 66th Ave	Portland	97218
26	R94217 0690	Edwin M & Alice M	Decker	6445	NE 66th Ave	Portland	97218
26	R94217 0700	Edwin M & Alice M	Decker	6457	NE 66th Ave	Portland	97218
26	R94217 0710	Steven L	Welch	6505	NE 66th Ave	Portland	97218
26	R94217 0900	Ron D	Kuhnau	6506	NE 66th Ave	Portland	97218
26	R94217 0910	Richard L	English	6522	NE 66th Ave	Portland	97218
26	R94217 0720	Jerry L & Diane M	Robinson	6533	NE 66th Ave	Portland	97218
26	R94217 0730	Jerry L & Diane M	Robinson	6535	NE 66th Ave	Portland	97218
26	R94217 0920	William J	Greene	6540	NE 66th Ave	Portland	97218
26	R94217 0930	Donna R	Johnson	6600	NE 66th Ave	Portland	97218
26	R94217 0740	Jerry L & Diane M	Robinson	6601	NE 66th Ave	Portland	97218
26	R94217 0750	Tim	Johnson	6611	NE 66th Ave	Portland	97218
26	R94217 1230	Douglas	Watson	6629	NE 66th Ave	Portland	97218
26	R94217 0760	Marjorie M	Williams	6635	NE 66th Ave	Portland	97218
26	R94217 0590	David A	Simonson	6505	NE Columbia Blvd	Portland	97218
26	R94217 0600	Dave	Simonson	6535	NE Columbia Blvd	Portland	97218

AREA 26

ITEMS OF WORK & MAT'LS	QUANTITY	UNIT PRICE	TOTAL AMOUNT
8" ASTM C-14, CL 3 CSP	1200 LF	\$ 25 00 LF	\$ 30,000 00
3" FORCE MAIN	1250 LF	\$ 8 00 LF	\$ 10,000 00
6" ASTM C-14, CL 3 CSP	850 LF	\$ 22 00 LF	\$ 18,700 00
6"X8" TEE, ASTM C-14, CL 3	34 EA	\$ 100 00 EA	\$ 3,400 00
PUMP STATION	1 EA	\$ 20,000 00 EA	\$ 20,000 00
48" STD PRECAST MH	3 EA	\$ 1,800 00 EA	\$ 5,400 00
48" STD PRECAST MH, OVER 8'	0 LF	\$ 200 00 LF	\$ -
8" CONNECTION TO EXISTING MH	0 EA	\$ 600 00 EA	\$ -
8" CONNECTION TO EXISTING PIPE	0 EA	\$ 400 00 EA	\$ -
COMMON TRENCH EXC & NATIVE BACKFILL	1618 CY	\$ 15 00 CY	\$ 24,263 89
CSP PIPE BEDDING CLASS "C"	485 CY	\$ 25 00 CY	\$ 12,131 94
IMP GRANULAR BACKFILL	1132 CY	\$ 10 00 CY	\$ 11,323 15
AC PAVEMENT REPLACEMENT 2" THICK	1141 SY	\$ 20 00 SY	\$ 22,822 22
ROCK SURFACING	0 CY	\$ 20 00 CY	\$ -
CONCRETE CURB REPLACEMENT	102 LF	\$ 20 00 LF	\$ 2,040 00
SIDEWALK REPLACEMENT	81 SF	\$ 50 00 SF	\$ 4,050 00
SUMP REPLACEMENT	0 EA	\$ 10,000 00 EA	\$ -
RECONSTRUCT EXIST INLET	0 EA	\$ 500 00 EA	\$ -
TOTAL CONSTRUCTION COST			\$ 164,131.20
TOTAL PROJECT COST			\$ 229,783.69
EXISTING HOMES SERVED	30 EA		
VACANT LOTS SERVED	4 EA		
TOTAL SERVICES	34 EA		
TOTAL COST PER SERVICE			\$ 6,758.34

COST ESTIMATES

Sewer Extension Master Plan

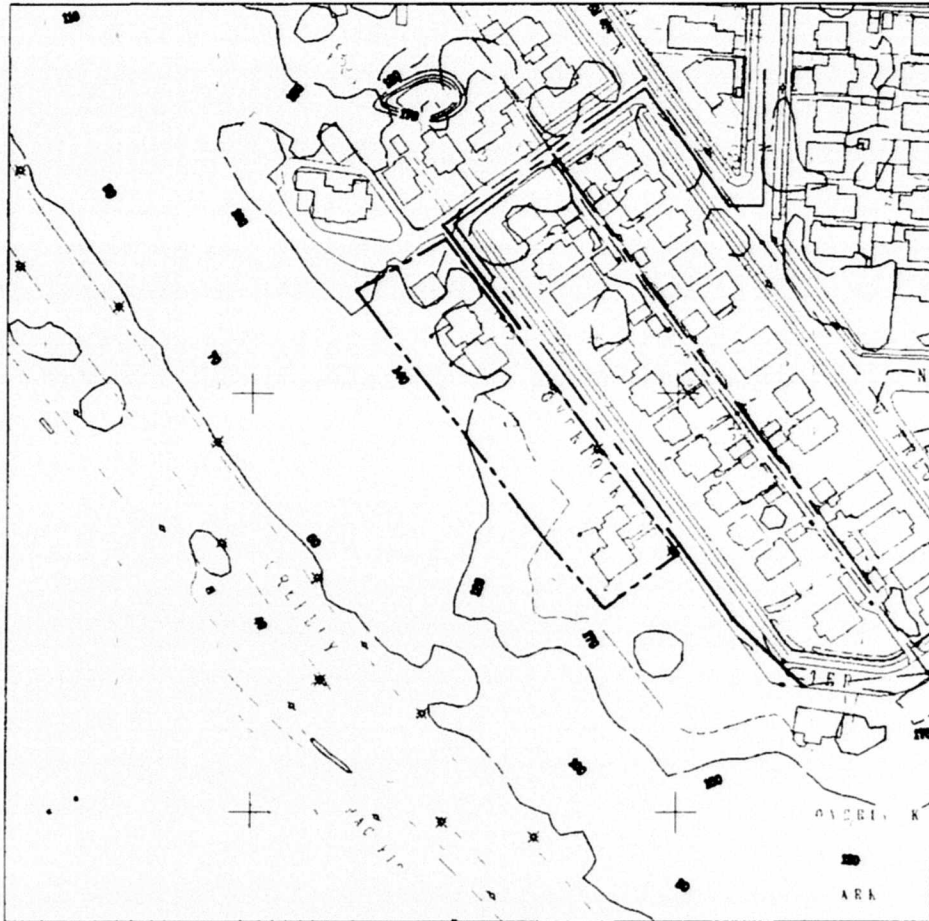
Priority Criteria and Scoring

Project Area Number

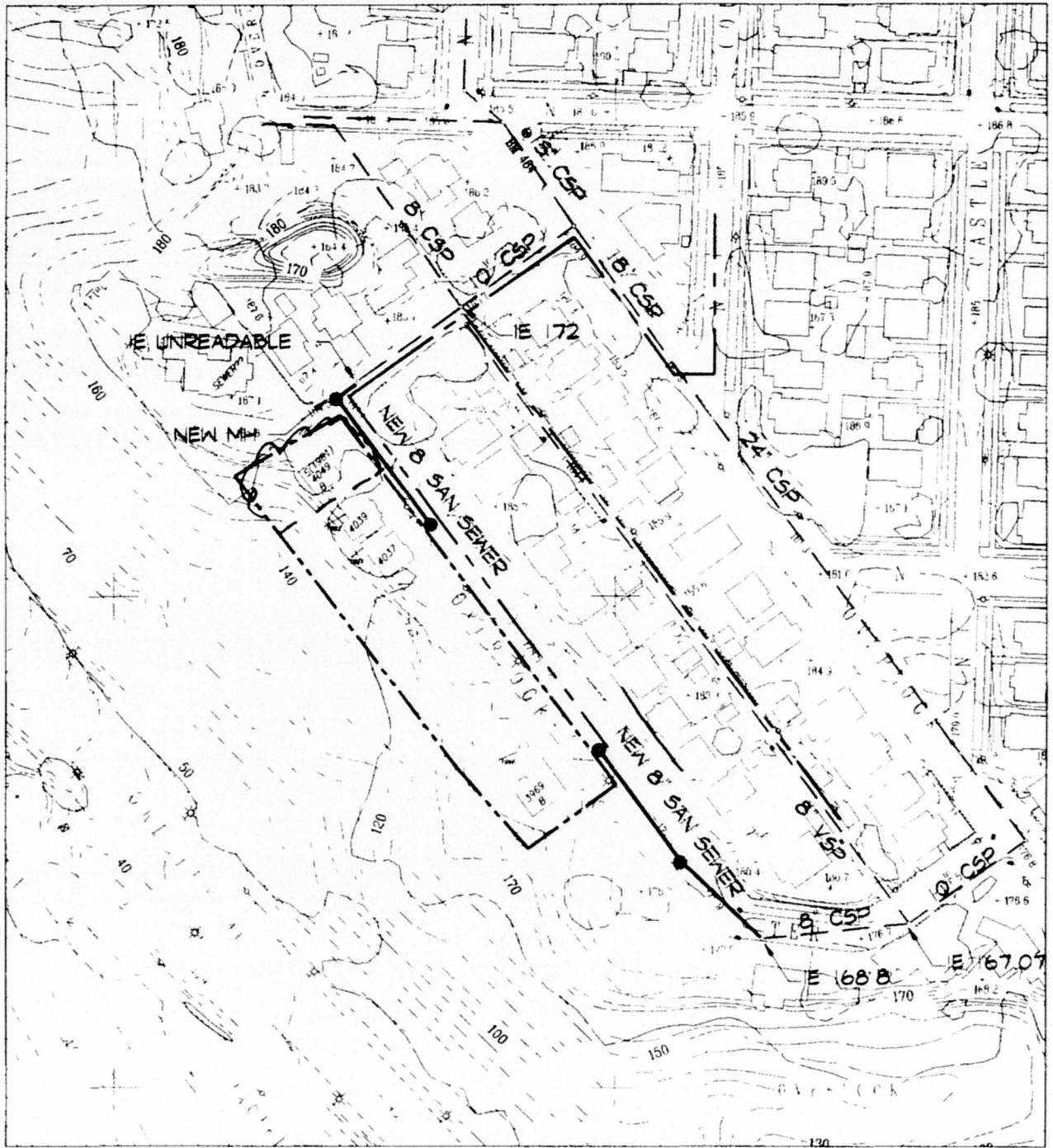
26

CRITERIA	GUIDELINES	SCORE
I. Public Health		
1 Does the area have any record of septic system failure or public health problems?	0 = None 10 = Many, well documented 5 = No Record	5
2 How many septic systems have been replaced? None 25 Percent 50 Percent > 50 percent No records exist	0 points 4 points 7 points 9 points 5 points	0
II Implementation		
1 Is the project in a CSO impact area?	Yes _____ No <input checked="" type="checkbox"/>	
2 If yes, will the CSO project occur Before year 2000? Year 2000 - 2010? After 2010? Not in a CSO project area	9 points 5 points 2 points 1 point	1
3 Are there any other city projects planned in the same area * within 3 years? 5 years? 10 years? None planned	8 points 6 points 3 points 0 points	0
4 Will the project impact any environmental zones during construction?	yes - 3 points no - 8 points	8
III Project Costs		
1 Is the average cost per residence < 80 % of city average? > 80 % < 120 % of city average > 120 % of city average	8 points 5 points 2 points	8

* Annual CIP review should include survey of other bureaus for area projects



NEIGHBORHOOD	OVERLOOK
QUARTER SECTION	2628
LOCATION	N OVERLOOK TERR BETWEEN N MASON TO FAILING ST
CONTRIBUTES TO CSO?	NO



LEGEND

- NEW SANITARY LINE
- EXISTING SANITARY LINE
- EXISTING STORM LINE
- EXISTING WATER LINE
- BOUNDARY LINE
- FENCE LINE
- LOT LINES
- EXISTING MANHOLE
- NEW MANHOLE

B - BASEMENT
S - SEWER CONNECTED



SCALE 1"=150'

AREA 27

**BUREAU OF ENVIRONMENTAL SERVICES
SEWER EXTENSION MASTER PLAN
PROJECT NO. 5308**

AREA NO 27

NEIGHBORHOOD Overlook

LOCATION N Overlook Terrace
south of N Mason

QUARTER SECTION 2628

Project Description:

This project will provide sanitary sewer service to 3 homes on N Overlook Terrace. Two lines will serve this area, one connecting at the north end of N Overlook Terrace and extending 155 feet south to serve two homes and the second will connect to an existing 8-inch sanitary sewer at the south end of N Overlook Terrace and extend about 255 feet north to serve a single home at 3969 N Overlook Terrace. Along the route, service connections will be extended to 3 homes and, with an additional extension in the future, be able to provide sanitary sewer service to the three undeveloped lots in the center of the block.

The following figures and tables present detailed information about this project.

Priority Ranking:

Review of the existing septic system conditions and the age of the existing systems place this project as the number 55 priority project. The residences in this project area were constructed in the 1940's and 1950's with two of the septic systems installed at that time still in service. One of the homes had a septic system project in 1991.

Project Cost:

Construction of this project will cost about \$ 53,000. This includes provision of service lines to the edge of the property of each home. Three homes will receive sewage service connections to the public system.

On average this project will cost \$ 17,669 per residence. This compares to a city-wide average of \$ 9769 per residence for all similar projects.

ITEMS OF WORK & MAT'LS	QUANTITY	UNIT PRICE	TOTAL AMOUNT
8" ASTM C-14, CL 3 CSP	435 LF	\$ 25 00 LF	\$ 10,875 00
6" ASTM C-14, CL 3 CSP	60 LF	\$ 22 00 LF	\$ 1,320 00
6"X8" TEE, ASTM C-14, CL 3	3 EA	\$ 100 00 EA	\$ 300 00
48" STD PRECAST MH	4 EA	\$ 1,800 00 EA	\$ 7,200 00
48" STD PRECAST MH, OVER 8'	0 LF	\$ 200 00 LF	\$ -
8" CONNECTION TO EXISTING MH	2 EA	\$ 600 00 EA	\$ 1,200 00
8" CONNECTION TO EXISTING PIPE	0 EA	\$ 400 00 EA	\$ -
COMMON TRENCH EXC & NATIVE BACKFILL	426 CY	\$ 15 00 CY	\$ 6,383 33
CSP PIPE BEDDING CLASS "C"	128 CY	\$ 25 00 CY	\$ 3,191 67
IMP GRANULAR BACKFILL	298 CY	\$ 10 00 CY	\$ 2,978 89
AC PAVEMENT REPLACEMENT 2" THICK	162 SY	\$ 20 00 SY	\$ 3,233 33
ROCK SURFACING	0 CY	\$ 20 00 CY	\$ -
CONCRETE CURB REPLACEMENT	9 LF	\$ 20 00 LF	\$ 180 00
SIDEWALK REPLACEMENT	0 SF	\$ 50 00 SF	\$ -
SUMP REPLACEMENT	0 EA	\$ 10,000 00 EA	\$ -
RECONSTRUCT EXIST INLET	2 EA	\$ 500 00 EA	\$ 1,000 00
TOTAL CONSTRUCTION COST			\$ 37,862.22
TOTAL PROJECT COST			\$ 53,007.11
EXISTING HOMES SERVED	3 EA		
VACANT LOTS SERVED	0 EA		
TOTAL SERVICES	3 EA		
TOTAL COST PER SERVICE			\$ 17,669.04

COST ESTIMATES