


103760

COUNCIL BILL No.

AN ORDINANCE authorizing the Mayor to enter into agreements with the Washington State Department of Transportation for financial assistance for making traffic circulation changes and relocating utilities to accommodate construction of Interstate 90; making reimbursable appropriations from the Engineering Operating Fund, Arterial City Street Fund and the Sewer Fund; and authorizing the hiring of consultants and the awarding of contracts.

7-27-83 PASS (2-0)

COMPTROLLER FILE No.

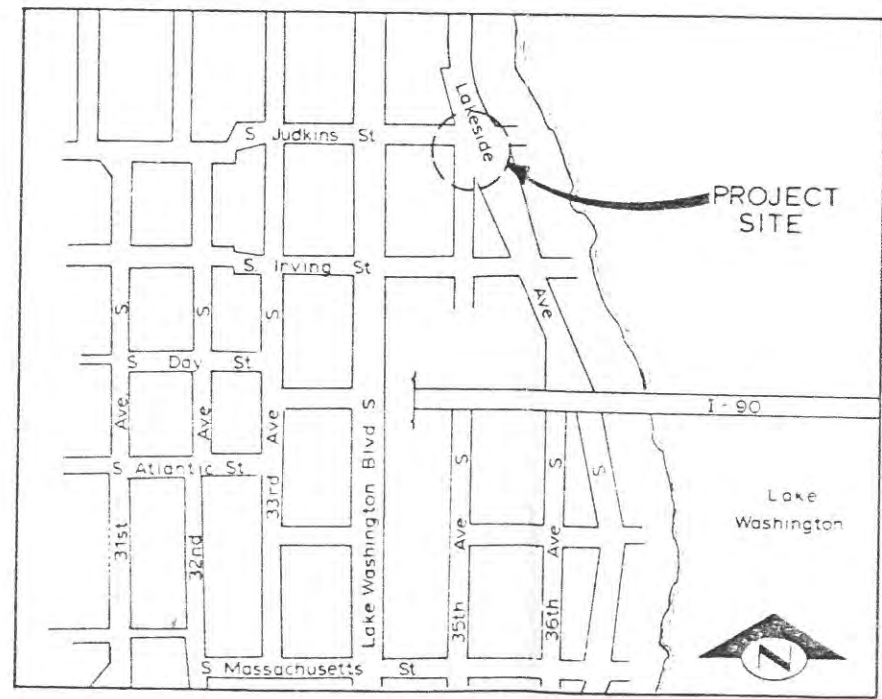
Introduced: JUL 11 1983	By: EXECUTIVE REQUEST
Referred: JUL 11 1983	To: C & GR
Referred: 7-11-83	To: Transp.
Referred:	To:
Reported: AUG 1 1983	Second Reading: AUG 1 1983
Third Reading: AUG 1 1983	Signed: AUG 1 1983
Presented to Mayor:	Approved:
Returned to City Clerk:	Published:
Vetoed by Mayor:	Veto Published:
Passed over Veto:	Veto Sustained: 

General Notes:
Unless Otherwise Noted

1. Datum: City of Seattle.
2. Structural Concrete UBC 26, f'c = 3000 psi.
3. Structural Steel ASTM 615, Grade 60.
4. Exposed Surface of W12x87, Coating With Coal Tar Epoxy Coating. AWWA C-210-84 (Koppers No. 300M or Equal).
5. All Welding To Be In Accordance With Applicable AW5 Codes Performed By Certified Welders.

Sheet Index

Description	Sheet
Vicinity Map, Sheet Index, And Construction Notes	1
Retaining Wall Plan, Profile, And Details	2
Retaining Wall Details	3



Vicinity Map
No Scale



SR 90 EXHIBIT "C" CS 1798
 JCT. SR 5 to WESTSHORE MERCER ISLAND
 GC 7263 TASK ORDER #15
 LAKESIDE AVE SO RETAINING WALL

B. E. TIRN, PE
LOCATION ENGINEER

B. E. BOCKSTUCK, PE
DISTRICT ADMINISTRATOR

SHEET 1 OF 3



APPROVED FOR ADVERTISING
BY THE BOARD OF PUBLIC WORKS
SEATTLE WASHINGTON 10

ATTEST

EXECUTIVE SECRETARY

NAME OR INITIALS AND DATE	INITIALS AND DATE
DESIGNED: JH	REVIEWED: DES CONST
CHECKED: DN	TRANS SVC PROJ MGR
DRAWN: LCL	RECEIVED:
CHECKED: CB	REVIS'D AS BUILT:
DESIGN REVIEW:	

THE CITY OF SEATTLE
DEPARTMENT OF ENGINEERING

ORDINANCE NO: _____ APPROVED: _____
 FUND: _____
 SCALE: AS SHOWN INSPECTOR'S BOOK

SR 90 - Seattle
Street & Utility Reconstruction
Contract 11
Lakeside Avenue South et. al.
by Retaining Wall

PC S1184A
RW
CO S1634C
VAULT PLAN NO
873-88
SHEET 1 OF 3

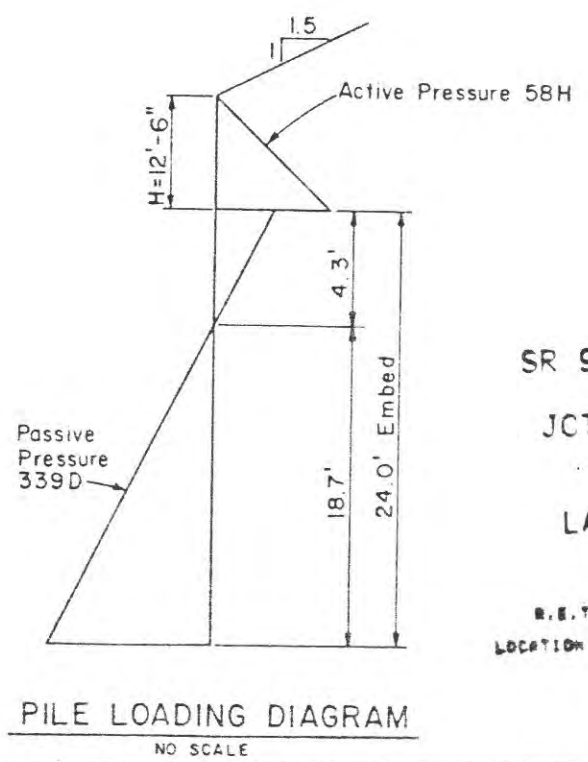
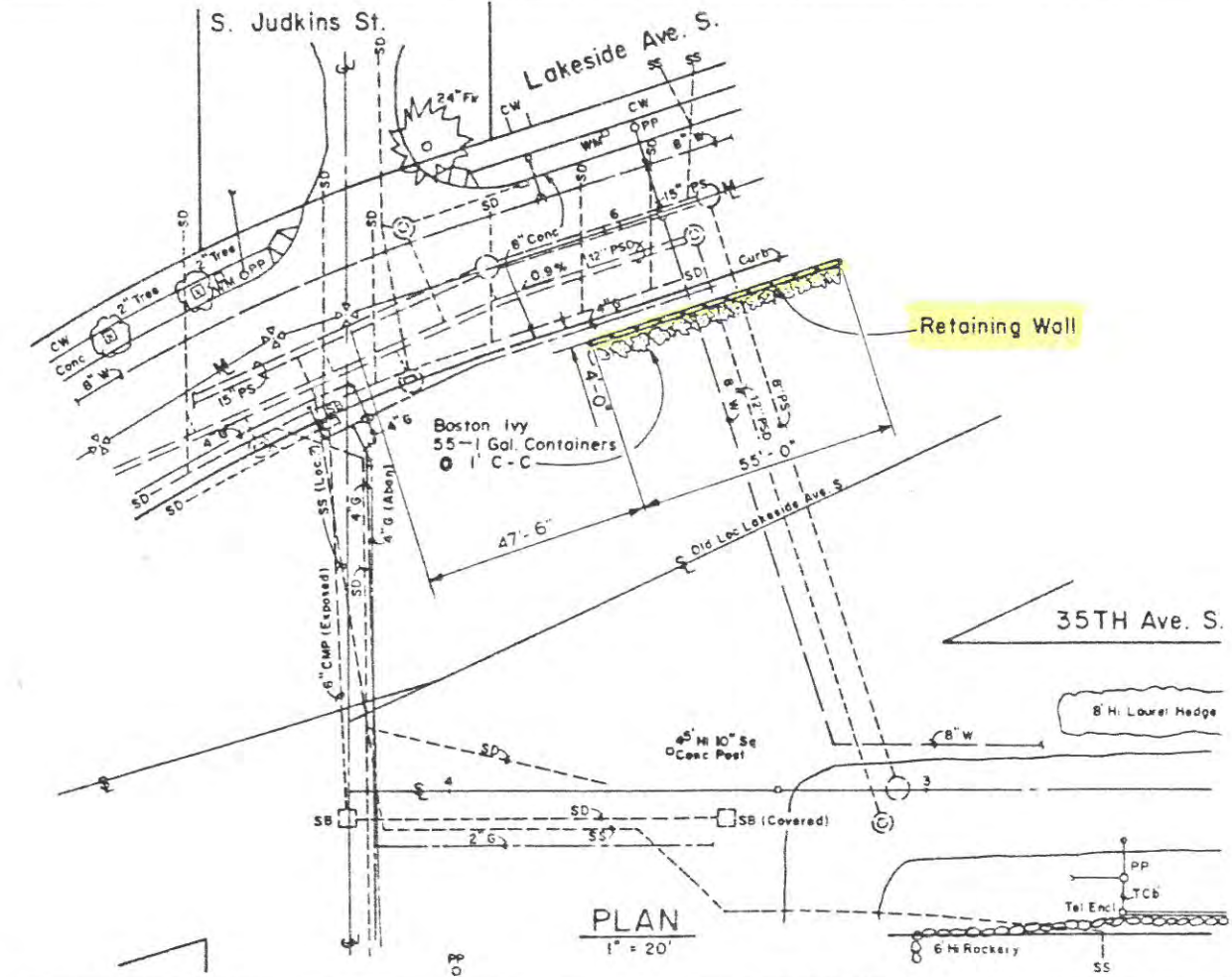
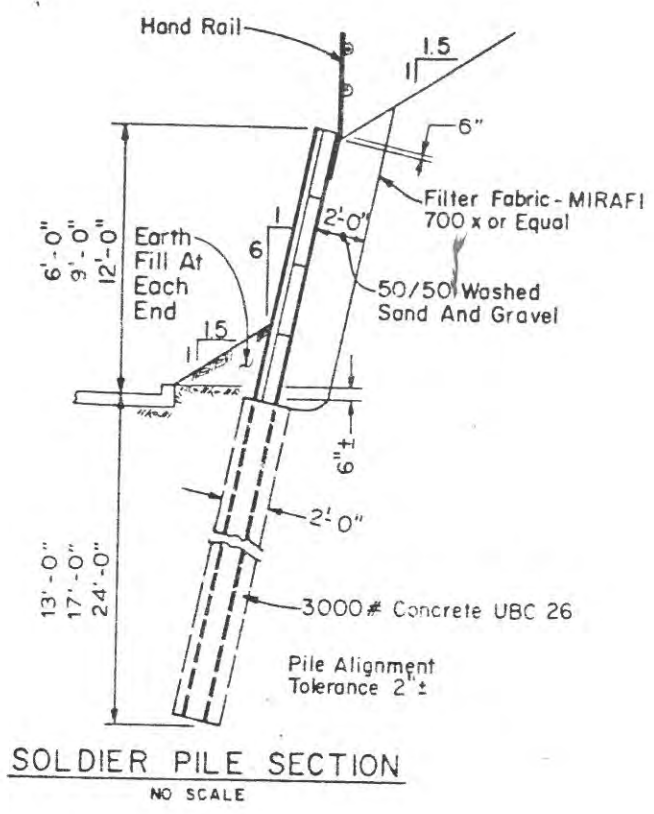
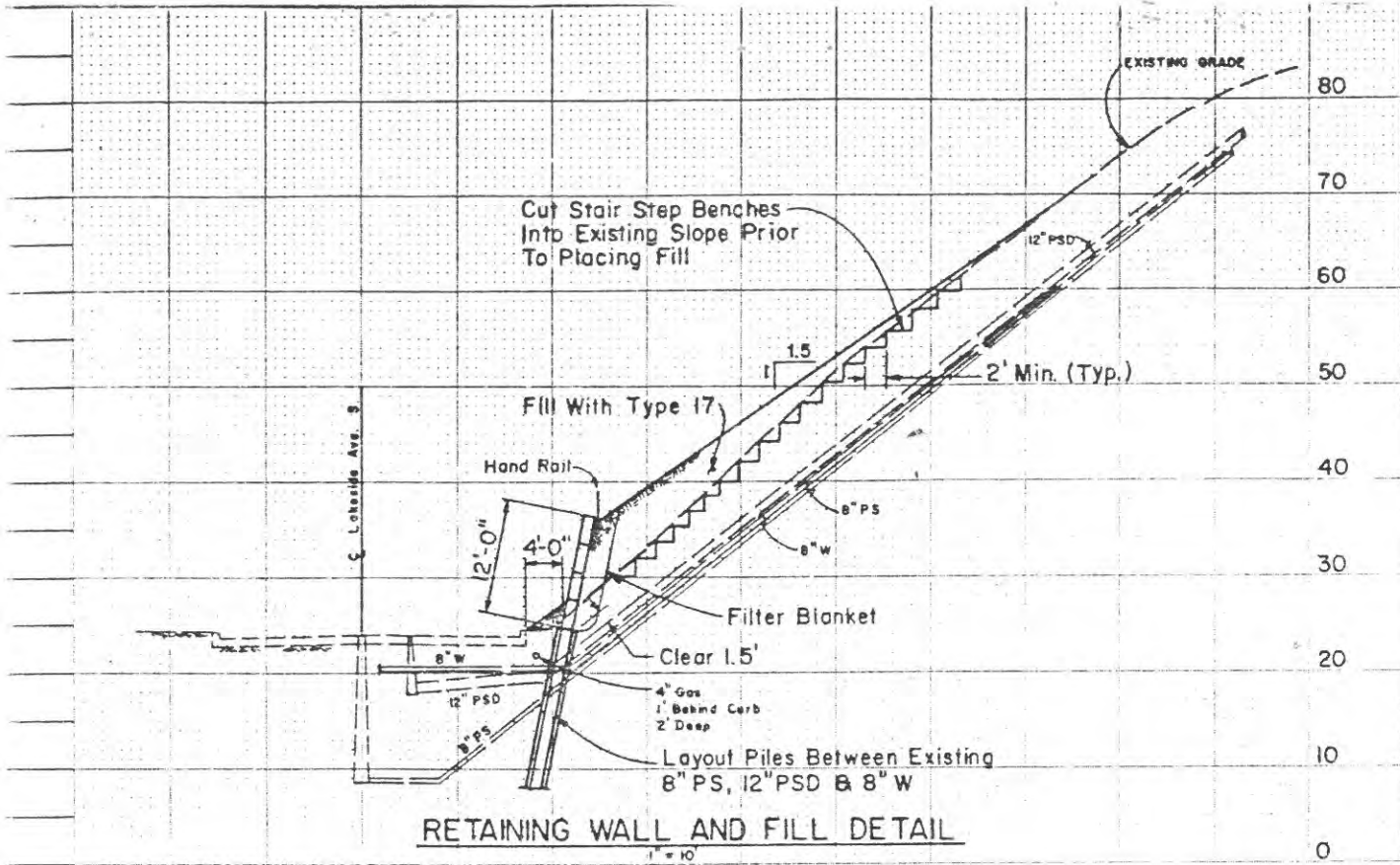


EXHIBIT "C" CS 1798
 SR 90
 JCT. SR 5 to WESTSHORE MERCER ISLAND
 GC 7263 TASK ORDER #15
 LAKESIDE AVE SO RETAINING WALL
 R.E. YARR, PE LOCATION ENGINEER
 R.E. BOCKSTUCK, PE DISTRICT ADMINISTRATOR

SHEET 2 OF 3



APPROVED FOR ADVERTISING
BY THE BOARD OF PUBLIC WORKS
SEATTLE WASHINGTON 19

ATTEST

EXECUTIVE SECRETARY

NAME OR INITIALS AND DATE	INITIALS AND DATE
DESIGNED <i>JH</i>	REVIEWED
CHECKED <i>DN</i>	DES CONST
DRAWN <i>LCL</i>	TRANS SVC PROJ MGR
CHECKED <i>CB</i>	RECEIVED
DESIGN REVIEW	REVISED AS BUILT

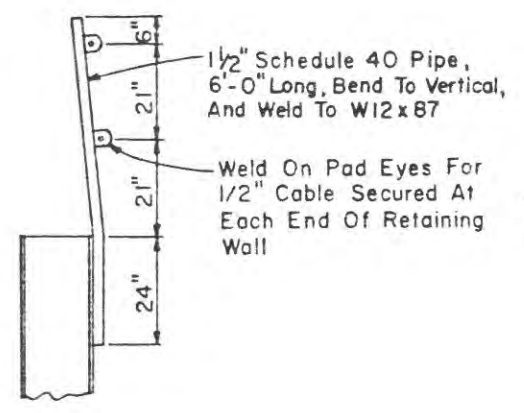
THE CITY OF SEATTLE
DEPARTMENT OF ENGINEERING

ORDINANCE NO. _____ APPROVED _____
FUND _____
SCALE AS SHOWN INSPECTOR'S BOOK _____

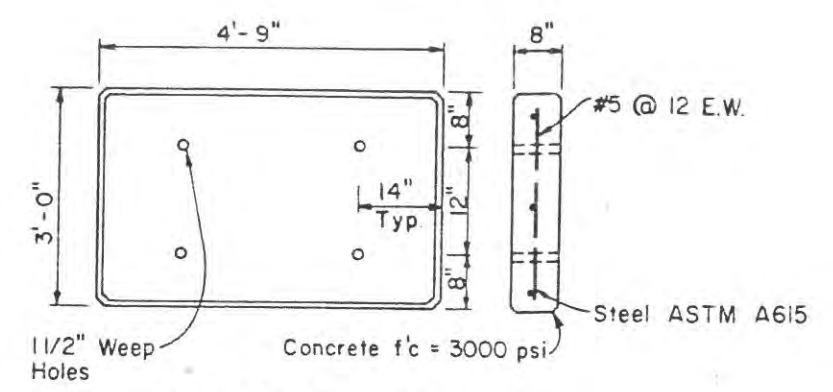
SR 90 - Seattle
 Street & Utility Reconstruction
 Contract 11
 Lakeside Avenue South et. al.
 by Retaining Wall

B. E. TIMM, PE LOCATION ENGINEER
 R. E. BOCKSTUCK, PE DISTRICT ADMINISTRATOR

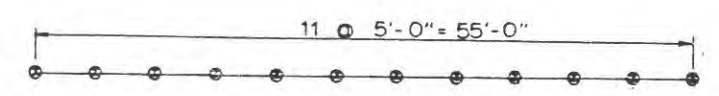
SHEET 3 OF 3



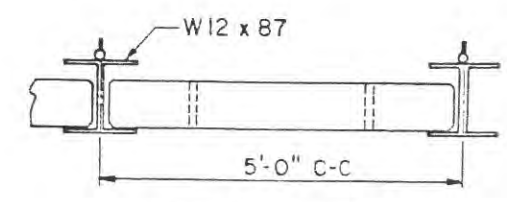
HAND RAIL SECTION
 NO SCALE



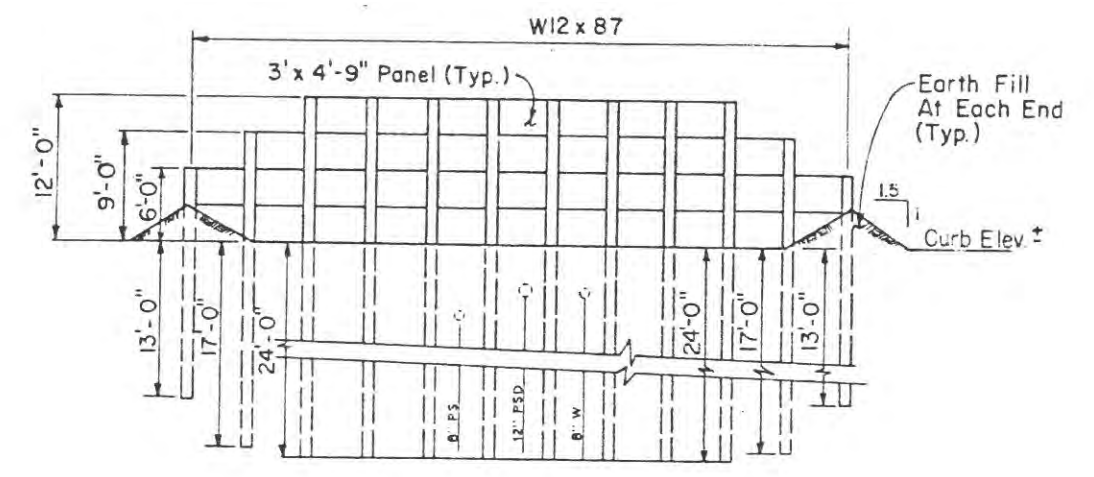
CONCRETE PANEL
 3/4" = 1'-0"



SHORING PLAN
 1/8" = 1'-0"



PANEL SECTION
 3/4" = 1'-0"



EAST ELEVATION
 1/8" = 1'-0"



APPROVED FOR ADVERTISING BY THE BOARD OF PUBLIC WORKS SEATTLE WASHINGTON 19
 ATTEST EXECUTIVE SECRETARY PROJECT NO.

NAME OR INITIALS AND DATE	INITIALS AND DATE
DESIGNED J.H.	REVIEWED
CHECKED D.N.	DES CONST
DRAWN L.C.L.	TRANS SVC PROJ MGR
CHECKED C.B.	RECEIVED
DESIGN REVIEW	REVISED AS BUILT

THE CITY OF SEATTLE DEPARTMENT OF ENGINEERING
 ORDINANCE NO. APPROVED
 FUND
 SCALE AS SHOWN INSPECTOR'S BOOK

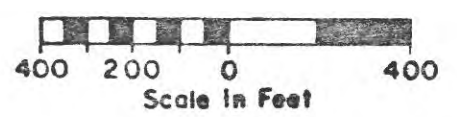
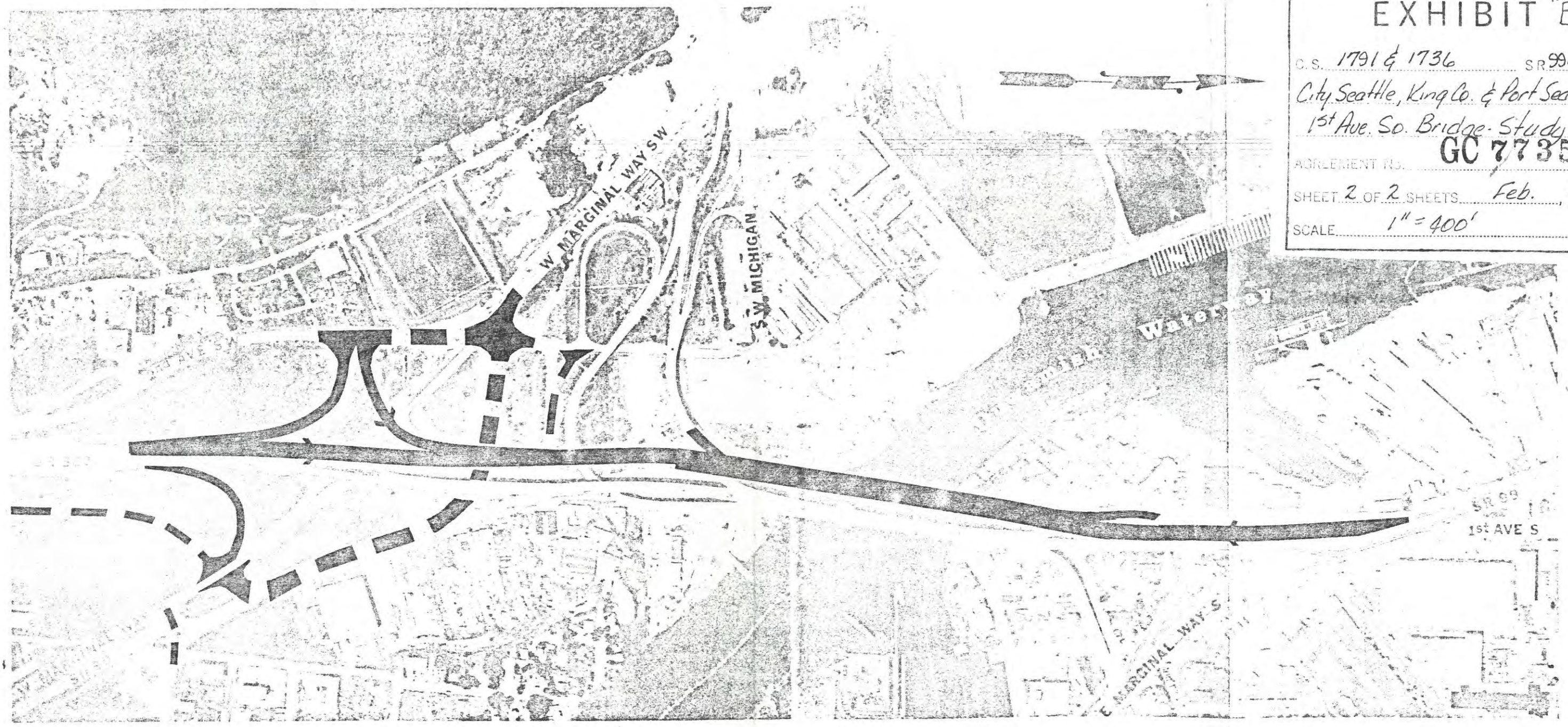
SR 90 - Seattle Street & Utility Reconstruction Contract 11 Lakeside Avenue South et. al. by Retaining Wall

PC S1184 A
 RW
 CO S1634C
 VAULT PLAN NO. 873-88
 SHEET 3 OF 3

ORD.#11246

EXHIBIT "B"

C.S. 1791 & 1736 SR 99 & 509
 City Seattle, King Co. & Port Seattle
 1st Ave. So. Bridge Study
 AGREEMENT NO. GC 7735
 SHEET 2 OF 2 SHEETS Feb. 1958
 SCALE 1" = 400'



SR 99
 Duwamish River Crossing
 RECOMMENDED PLAN

FIGURE 10

Seattle
Engineering Department



Gary Zarker, Director of Engineering
Charles Royer, Mayor

MEMORANDUM

DATE: May 2, 1988
TO: City Clerk
FROM: Joann Sullivan, SED *J.S.*
SUBJECT: Filing of Seattle Access Agreement

Please file the attached agreement:

<u>Ordinance</u>	<u>Agreement No.</u>
111246	GC8393

If any questions should arise, I can be reached
at 684-5017.

JMS:sb
Attachment

AS#7.23sb



COPY

<p align="center">STATE PARTICIPATING AGREEMENT</p> <p align="center">WORK BY LOCAL AGENCY ACTUAL COST</p>			<p>ORGANIZATION AND ADDRESS</p> <p>City of Seattle 910 Municipal Bldg. 600 Fourth Ave. Seattle, WA 98104</p>
			<p>SECTION/LOCATION</p> <p>Seattle Access L-8169</p>
<p>AGREEMENT NUMBER</p> <p align="center">GC 8393</p>			<p>DESCRIPTION OF WORK</p> <p>Zelkova Tree transplant on South Royal Broughm from 4th Ave. to Airport Way South</p>
<p>STATE ROUTE NUMBER</p> <p align="center">90</p>	<p>CONTROL SECTION NUMBER</p> <p align="center">1798</p>	<p>DISTRICT NUMBER</p> <p align="center">1</p>	

THIS AGREEMENT, made and entered into this 25th day of March, 19 88, between the STATE OF WASHINGTON, Department of Transportation, acting by and through the Secretary of Transportation, hereinafter called the "STATE", and the above named organization, hereinafter called the "LOCAL AGENCY."

WHEREAS, the LOCAL AGENCY is planning the construction of a project as shown above, and in connection therewith, the STATE has requested that the LOCAL AGENCY perform certain work as herein described, and

WHEREAS, it is deemed to be in the best interest for the STATE to include specific items of work in the LOCAL AGENCY'S construction contract proposed for the above-noted project, and

WHEREAS, the STATE is obligated for the cost of work described herein.

NOW THEREFORE, by virtue of Title 39.34 and in consideration of the terms, conditions, covenants, and performances contained herein, or attached and incorporated and made a part hereof, IT IS MUTUALLY AGREED AS FOLLOWS:

**I
GENERAL**

The LOCAL AGENCY, as agent acting for and on behalf of the STATE, agrees to perform the above "Description of Work."

Plans, specifications and cost estimates shall be prepared by the LOCAL AGENCY in accordance with the current State of Washington Standard Specifications for Road, Bridge and Municipal Construction and adopted design standards, unless otherwise noted. The LOCAL AGENCY will incorporate the plans and specifications into the LOCAL AGENCY's project and thereafter advertise the resulting project for bid and, assuming bids are received and a contract is awarded, administer the contract.

The LOCAL AGENCY agrees to submit plans and specifications for the described work as shown on Exhibit "B," attached hereto and by this reference made a part of this AGREEMENT, to the STATE for approval prior to advertising the project.

The STATE may, if it desires, furnish an inspector on the project. Any costs for such inspection will be borne solely by the STATE. All contact between said inspector and the LOCAL AGENCY's contractor shall be through the LOCAL AGENCY's representative.

The STATE agrees, upon satisfactory completion of the work involved, to deliver a letter of acceptance which shall include a release and waiver of all future claims or demands of any nature resulting from the performance of the work under this AGREEMENT.

**II
PAYMENT**

The STATE, in consideration of the faithful performance of the work to be done by the LOCAL AGENCY, agrees to reimburse the LOCAL AGENCY for the actual direct and related indirect cost of the work.

An itemized estimate of cost for work to be performed by the LOCAL AGENCY at the STATE's expense is marked Exhibit "A," and is attached hereto and by this reference made a part of this AGREEMENT.

Partial payments shall be made by the STATE, upon request of the LOCAL AGENCY, to cover costs incurred. These payments are not to be more frequent than one (1) per month. It is agreed that any such partial payment will not constitute agreement as to the appropriateness of any item and that, at the time of final audit, all required adjustments will be made and reflected in a final payment.

The LOCAL AGENCY agrees to submit a final bill to the STATE within forty-five (45) days after the LOCAL AGENCY has completed the work.

**III
DELETION OF WORK**

In the event the estimate of cost, Exhibit "A," is in excess of \$10,000 and the total actual bid prices for the work covered by this AGREEMENT exceeds the estimate of cost by more than 15 percent, the STATE shall have the option of directing the LOCAL AGENCY to delete all or a portion of the work covered by this AGREEMENT from the LOCAL AGENCY's contract.

The STATE shall have five (5) working days from the date of written notification to inform the LOCAL AGENCY to delete the work. Should the STATE exercise its option to delete work, the STATE agrees, upon billing by the LOCAL AGENCY, to reimburse the LOCAL AGENCY for preliminary engineering costs incurred by the LOCAL AGENCY to include the work covered by this AGREEMENT in the LOCAL AGENCY's contract.

**IV
EXTRA WORK**

In the event unforeseen conditions require an increase in the cost of 25 percent or more from that agreed to on Exhibit "A," this AGREEMENT will be modified by supplement AGREEMENT covering said increase.

In the event it is determined that any change from the description of work contained in this AGREEMENT is required, approval must be secured from the STATE prior to the beginning of such work. Where the change is substantial, written approval must be secured.

IN WITNESS WHEREOF, the parties hereto have executed this AGREEMENT as of the day and year first above written.

LOCAL AGENCY

By: City of Seattle

Stan Zarko

Date: 3/23/88

DOT Form 224-067
4/85 QX A-214

Reimbursement for increased work and/or a substantial change in the description of work shall be limited to costs covered by a written modification, change order or extra work order approved by the STATE.

**V
RIGHT OF ENTRY**

The STATE hereby grants and conveys to the LOCAL AGENCY the right of entry upon all land which the STATE has interest, within or adjacent to the right of way of the highway, for the purpose of constructing said improvements.

Upon completion of the work outlined herein, all future operation and maintenance of the STATE's facilities shall be at the sole cost of the STATE and without expense to the LOCAL AGENCY.

**VI
LEGAL RELATIONS**

No liability shall attach to the LOCAL AGENCY or the STATE by reason of entering into this AGREEMENT except as expressly provided herein.

**STATE OF WASHINGTON
DEPARTMENT OF TRANSPORTATION**

By: *Chad L. Sommers*
PROJECT DEVELOPMENT ENGINEER

FILED
CITY OF SEATTLE
1988 MAY -9 PM 12: 21
COUNTROLLER ADMINISTRATIVE SERVICES
DD

ENGINEERING DEPARTMENT

CFMS CODING BLOCK			
ORIG.			

ENGINEERING DEPARTMENT

CFMS CODING BLOCK				
ORIG. UNIT (4)	ACCOUNT (5)	TASK (3)	OPT. (2)	PROJECT (6)
3589		609		WB1920

DATE January 9, 1988

PHONE 684-5042

PLEASE SHIP TO Mr. Jerry Clark Rm. 606 Seattle Municipal Building 98104

APPROVED BY _____ ORDERED BY Jerry Clark

REQUIRED DELIVERY DATE Start date: On or before March 28, to be completed by wed. April 13, 1988.

QUANTITY	UNIT MEASURE	UNIT PRICE	ARTICLE/DESCRIPTION/INSTRUCTIONS
37	Trees Each	\$450.00	1) Remove 37 Ex. Zelkova Serrata 'Village Green' Trees located on South Royal Broughm from 4th Avenue to Airport Way South.
			2) Transplant to 24th Avenue N.W. and replant along 24th Avenue N.W. from N.W. 58th to N.W. 65th Street.
			Traffic control will be provided by Seattle Engineering Department.
			See the attached specifications for digging, transporing and replacing trees.

EST. TOTAL COST	\$ <u>16,650.00</u>	SUGGESTED SOURCE	<u>Big Tree Service</u>
EST. SALES TAX	\$ <u>1,315.00</u>	ADDRESS	<u>5208 - 131 Street S.E.</u>
TOTAL THIS REQUEST	\$ <u>17,965.00</u>	CITY, STATE, ZIP	<u>Everett, Wa. 98204</u>
		TELEPHONE	<u>684-7718</u>

BID SPECIFICATION

GENERAL PURPOSE

The general purpose of this bid is to remove 37 Zelkova Serrata 'Village Green' trees located in full sidewalk area on South Royal Brougham Way from 4th Avenue South and South Airport Way and transplant them to 24th Avenue NW from NW 58th Street to NW 65 Street.

Work performed shall include the removal of the trees in approximately 8 x 8' tree pit area by either hand or mechanical procedures and the transferring and immediate replanting of trees in approximately 8'x8' tree pit area.

RELOCATING TREE

The Contractor shall perform the work in the most professional manner in accordance with good nursery practice. The trees shall be relocated while in a dormant state. Work to begin no later than March 28, 1988 and completed on or before April 13, 1988.

The trees to be relocated shall be dug by hand or approved tree spade machine; use of backhoe will not be permitted. The Contractor shall exercise extreme caution when working within the drip line of the tree to avoid damage to the trunk, branches or root structure. The Contractor shall be held liable for damage to adjacent plant material. The root ball shall be formed to the diameter size per the following schedule in such a manner so as to encompass the fibrous root system.

<u>Tree Trunk Size</u>	<u>Min. Root Ball Diameter</u>
2 - 4 inches	4 feet
4 - 7 inches	5½ feet
7 - 10 inches	7 feet

The depth of the root ball shall be no less than 1/2 of the diameter listed above. Exposed tree roots, one-inch diameter and more shall be cut clean.

Tree removal work shall be performed with the Arboriculturist present. The Contractor shall handle the tree by the root ball only. Under no circumstances will the Contractor be allowed to lift or remove the tree by the trunk.

Survival of the tree shall be the responsibility of Seattle Engineering Department.

BALLING AND BURLAPPING EXISTING TREE BY HAND

The landscape contractor shall assume full responsibility of performing the work in a most professional manner, with a good conscience, and in accordance with good nursery practice.

The contractor shall dig around the base of the tree to form a root ball with a minimum specified width, measuring equal distance from center of tree.

Seattle
Engineering Department



Gary Zarker, Director of Engineering
Charles Royer, Mayor

MEMORANDUM

DATE: May 2, 1988
TO: City Clerk
FROM: Joann Sullivan, SED *J.S.*
SUBJECT: Filing of Seattle Access Agreement

Please file the attached agreement:

<u>Ordinance</u>	<u>Agreement No.</u>
111246	GC8393

If any questions should arise, I can be reached
at 684-5017.

JMS:sb
Attachment

AS#7.23sb



City

STATE PARTICIPATING AGREEMENT WORK BY LOCAL AGENCY ACTUAL COST	ORGANIZATION AND ADDRESS	
	City of Seattle 910 Municipal Bldg. 600 Fourth Ave. Seattle, WA 98104	
	SECTION/LOCATION	
	Seattle Access	L-8169
AGREEMENT NUMBER	DESCRIPTION OF WORK	
GC 8393	Zelkova Tree transplant on South Royal Broughm from 4th Ave. to Airport Way South	
STATE ROUTE NUMBER	CONTROL SECTION NUMBER	DISTRICT NUMBER
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By: City of Seattle

Stan Zark

Date: 3/23/88

DOT Form 224-067
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DEPARTMENT OF TRANSPORTATION**

By: *Chad L. ...*
PROJECT DEVELOPMENT ENGINEER

FILED
CITY OF SEATTLE
1988 MAY -9 PM 12: 21
COUNTROLLER ADMINISTRATIVE SERVICES
DD

ENGINEERING DEPARTMENT

CFMS CODING BLOCK			
ORIG.			

ENGINEERING DEPARTMENT

CFMS CODING BLOCK				
ORIG. UNIT (A)	ACCOUNT (B)	TASK (C)	OPT. (D)	PROJECT (E)
3589		609		WB1920

DATE January 9, 1988PHONE 684-5042PLEASE SHIP TO Mr. Jerry Clark Rm. 606 Seattle Municipal Building 98104APPROVED BY _____ ORDERED BY Jerry ClarkREQUIRED DELIVERY DATE Start date: On or before March 28, to be completed by wed. April 13, 1988.

QUANTITY	UNIT MEASURE	UNIT PRICE	ARTICLE/DESCRIPTION/INSTRUCTIONS
37	Trees	Each	\$450.00
			1) Remove 37 Ex. Zelkova Serrata "Village Green" Trees located on South Royal Broughm from 4th Avenue to Airport Way South.
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			See the attached specifications for digging, transplanting and replacing trees.

EST. TOTAL COST \$ 16,650.00EST. SALES TAX \$ 1,315.00TOTAL THIS REQUEST \$ 17,965.00SUGGESTED SOURCE Big Tree ServiceADDRESS 5208 - 131 Street S.E.CITY, STATE, ZIP Everett, Wa. 98204TELEPHONE 684-7718

CS 7.444

ATTACH ADDITIONAL SHEETS AS NECESSARY

*EXHIBIT "A" ESTIMATE OF COST Page 1 of 4***GC 8393**

BID SPECIFICATION

GENERAL PURPOSE

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Survival of the tree shall be the responsibility of Seattle Engineering Department.

BALLING AND BURLAPPING EXISTING TREE BY HAND

The landscape contractor shall assume full responsibility of performing the work in a most professional manner, with a good conscience, and in accordance with good nursery practice.

The contractor shall dig around the base of the tree to form a root ball with a minimum specified width, measuring equal distance from center of tree.

Thoroughly wrap the root ball with burlap and drum lace the burlap with 1/4-inch polypropylene rope, or equal.

All exposed tree roots, 1-inch minimum in diameter or greater, shall be cut clean and painted with approved tree paint before root ball has been wrapped. Treat all trees with approved root stimulant, such as SUPER THRIVE or equal, per manufacturers' instructions.

All tree removal work shall be performed with the City Arboriculturist present.

BALLING AND BURLAPPING EXISTING TREES BY APPROVED TREE SPADE MACHINE

The trees to be relocated can only be dug by an approved tree spade machine. The operator of the machine shall assume full responsibility to perform the work in a most professional manner, with a good conscience, and in accordance with good nursery practice.

TRANSPORTING AND REPLANTING OF TREES

The transporting of trees shall be by covered trailer or tree space machine. (Prior to transporting, tie down all branches.)

The contractor shall be required to prepare all tree pits and plant each tree per standards BPW planting techniques.

After planting, provide approved root stimulant, SUPER THRIVE or approved equal around the root ball of the tree per manufacturers' instruction.

Staking and guying of trees shall be done by Seattle Engineering Department.

PRICE BID

The Bid price shall be per each tree, to include all labor and materials necessary to perform the required work.

p/jdc2.1
rev01-13-88:ms

*EXHIBIT "A" ESTIMATE OF COST
Page 3 of 4*

GC 8393

EXHIBIT "A"
ESTIMATE OF COST

Page 4 of 4

Based on cost savings to be realized on the ultimate landscaping on South Royal Broughm from 4th Ave. to Airport Way South, the State agrees to reimburse the City an amount up to but not to exceed \$275/tree.

The work shall be performed in accordance with this bid specification. The State's participation shall be limited to a maximum of 37 Zelkova Trees.

37 x \$275. = \$10,175 maximum cost to the State.

19/84

GC 8393

CITY OF SEATTLE

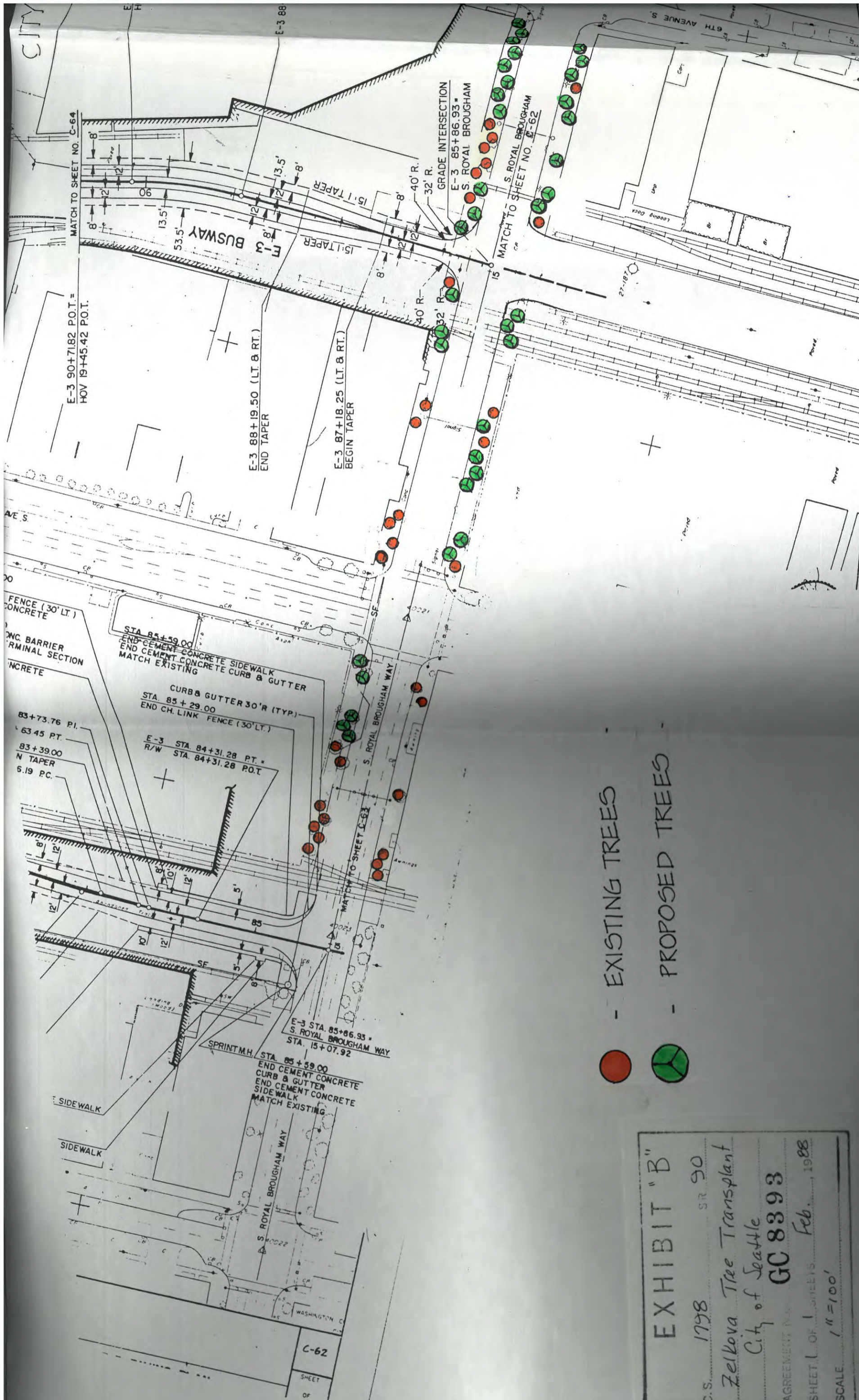


NOTE
 FOR BARRIER PLACEMENT
 SEE E-3 BARRIER PLANS
 C-110 THRU C-112.



C-63		SHEET OF SHEETS	
Washington State Department of Transportation HDR <small>HARRINGTON, DORTCH & FISCHER</small> | GARDNER ENGINEERS, INC.			
DIVISION OF HIGHWAYS		E-3 PAVING PLAN	
ALCON NO.	STATE	FED. AID PROJ. NO.	TOTAL SHEETS
10	WASH		
JOB NUMBER	CONTRACT NO.	DATE	REVISION
STRUCK			

APPROVED



- - EXISTING TREES
 - - PROPOSED TREES



EXHIBIT "B"
 C.S. 1798 SR 90
 Zelkova Tree Transplant
 City of Seattle
 AGREEMENT NO. GC 8393
 SHEET 1 OF 1 SHEETS
 SCALE 1" = 100'
 DATE Feb. 1988

REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
10	WASH			
JOB NUMBER	CONTRACT NO.	DATE	REVISION	BY/APP'D
T. ERICKSON	BOCKSTRUCK			

C-62
 SHEET
 OF

Ord. 111246 -Amendments & Re to

- Ord. 111747 -Makes a reimbursable approp. from the Arterial City St. Fund for street related construction activities on the I-90 Utilities Relocation project; & auth the awarding of contracts therefor.
- Ord. 112078 -Makes an approp. from the Sewer Impvt. Fund for non-reimbursable expenditure as provided in Sec 2 of ... for preconstruction & construction activities re to relocating City utilities to accomodate constr. of I-90.

ORDINANCE 111246

AN ORDINANCE authorizing the Mayor to enter into agreements with the Washington State Department of Transportation for financial assistance for making traffic circulation changes and relocating utilities to accommodate construction of Interstate 90; making reimbursable appropriations from the Engineering Operating Fund, Arterial City Street Fund and the Sewer Fund; and authorizing the hiring of consultants and the awarding of contracts.

BE IT ORDAINED BY THE CITY OF SEATTLE AS FOLLOWS:

Section 1. As requested by the Director of Engineering and Superintendents of City Light and Water, and recommended by the Mayor in the attachments hereto, the Mayor is authorized to execute agreements with the Washington State Department of Transportation numbered GC 7260, 7263, 7365, and subsequent supplements, for financial assistance for making traffic circulation changes and relocating City-owned utilities to accommodate construction of the Interstate 90 in the approximate amount of Twenty-five Million Seven Hundred Eleven Thousand One Hundred Eighty-five Dollars (\$25,711,185). These agreements cover construction and preconstruction activities, including the following projects:

23rd Avenue South Watermain;

Rainier Avenue Utility Reconstruction;

Martin Luther King, Jr. Way South -- Sewer and Storm Drain;

Rainier Avenue Detention Facility;

South Bradner Place -- Water, Sewer and Storm Drain;

South Norman Street -- Water, Sewer and Storm Drain;

South Irving Street -- Water and Sewer;

South Judkins Street -- Water, Sewer, Storm Drain, and
Street;

Golf -- Sturgus -- Water, Sewer, Storm Drain and Street;

1 The funds when received are hereby accepted.

2 This authority is supplemental to the authority provided
3 by Ordinances 109395, 109805, 109964, 110263, 110321, 110322,
4 110582, 110900, 110937, 110952, and 110953.

5 Section 2. For the Engineering Department's portion of
6 the work authorized in Section 1 herein and required for 1983,
7 the sum of One Million Six Hundred Seventy-two Thousand
8 Dollars (\$1,672,000), or so much thereof as may be necessary,
9 is hereby appropriated from the Engineering Operating Fund,
10 which shall be reimbursed in the amounts of One Million Six
11 Hundred Thirty-two Thousand Dollars (\$1,632,000) from the
12 Sewer Fund and Forty Thousand Dollars (\$40,000) from the
13 Arterial City Street Fund by appropriations hereby made and
14 authorized. The Sewer Fund and Arterial City Street Fund
15 shall be reimbursed from funds to be received pursuant to the
16 agreements authorized in Section 1. If all expenditures from
17 the Sewer Fund are not reimbursed from such contract funds,
18 expenditures for eligible capital improvements shall be
19 reimbursed by the Sewer Improvement Fund up to a maximum of
20 Two Hundred Fifty Thousand Dollars (\$250,000); Provided, that
21 such expenditures shall be repaid if the City is in turn
22 reimbursed therefor by the Washington State Department of
23 Transportation. The City Comptroller is authorized to draw
24 and the City Treasurer to pay the necessary warrants and make
25 the necessary transfers.

26 Section 3. The Director of Engineering is authorized to
27 hire expert and consultant services, and under the direction
28 of the Board of Public Works, to proceed with the construction
of the Interstate 90 Corridor Project as described in

Section 1 hereof, by the awarding of a contract or contracts therefor, or in the discretion of the Board, by the use of day labor subject to State law.

Section 4. Any act consistent with the authority and prior to the effective date of this Ordinance is hereby ratified and confirmed.

Section ⁵..... This ordinance shall take effect and be in force thirty days from and after its passage and approval, if approved by the Mayor; otherwise it shall take effect at the time it shall become a law under the provisions of the city charter.

Passed by the City Council the ^{1st} day of August, 1983, and signed by me in open session in authentication of its passage this ^{1st} day of August, 1983.

Michael Hill
President Pro Tem of the City Council.

Approved by me this ^{4th} day of August, 1983.

Charles Poyner
Mayor.

Filed by me this ^{4th} day of August, 1983.

Attest: *Jim Hill*
City Comptroller and City Clerk.

(SEAL)

Published.....

By *Theresa Dunbar*
Deputy Clerk.

ORD.# 111246



**Seattle
Engineering Department**

Eugene V. Avery, Director of Engineering
Charles Royer, Mayor

MEMORANDUM

DATE: March 2, 1987
TO: City Clerk
FROM: Joann M. Sullivan *JMS*
SUBJECT: Filing of Task Order for I-90

Please file the attached agreement for I-90, to be filed.

AGREEMENT NUMBER

ORDINANCE NUMBER

UT 0146

111246

JMS:adn

Attachment

Handwritten notes:
CITY OF SEATTLE
1987 MAR 2 10 10 AM '87
111246

AGREEMENT UT 0146

THIS AGREEMENT, made and entered into this 13th day of Feb. 1987, between the STATE OF WASHINGTON, DEPARTMENT OF TRANSPORTATION, acting by and through the Secretary of Transportation, by virtue of RCW 47.12, hereinafter referred to as the "STATE", CITY OF SEATTLE located at 900 Seattle Municipal Building, Seattle, Washington 98104, acting by and through its Mayor, hereinafter called the "CITY" and the MUNICIPALITY OF METROPOLITAN SEATTLE, 821 Second Avenue South, Seattle, Washington 98104, a metropolitan municipal corporation of the State of Washington, hereinafter called "METRO".

WHEREAS, the STATE is planning the construction or improvement of SR 90, Junction SR 5 to West Shore Lake Washington, and in connection therewith it is necessary to remove and/or relocate or reconstruct certain utility facilities as set forth in the attached plans, and

WHEREAS, it is deemed to be in the best public interest for the STATE to include the necessary items of work for relocating and construction the CITY's street lighting and METRO's trolley facilities in the STATE construction contract, 23rd Avenue South to Lake Washington Westbound and Center Lid System, proposed for improvement of this section of highway, and

WHEREAS, the CITY has a compensable interest in its facilities and right-of-way by virtue of being located on private property, easements, fee right-of-way, etc., and the STATE is obligated to reimburse the CITY for the relocation of these facilities, and the CITY is obligated for the cost of any relocation required for facilities not on easements or private right-of-way, and

WHEREAS, the STATE and METRO, at this point in time, cannot agree whether or not METRO has a compensable interest in its facilities and right-of-way, and

WHEREAS, the project is due to be constructed in the very immediate future and both parties agree that the facilities should be moved forthwith,

NOW, THEREFORE, in consideration of the terms, conditions, covenants and performance contained herein or attached and incorporated and made a part hereof,

IT IS MUTUALLY AGREED AS FOLLOWS:

I GENERAL

Federal-Aid Highway Program Manual, Volume 6, Chapter 6, Section 3, Subsection 1 (FHPM 6-3-3-1) and amendments thereto determine and establish the definitions and applicable standards for this Agreement and payment hereunder, and by this reference are incorporated hereby and made a part of this Agreement for all intents and purposes as if fully set forth herein.

The CITY and METRO hereby approve the plans and specifications for the accomplishment of the described adjustment and agree, upon satisfactory completion of the work involved, to deliver a letter of acceptance of the completed work which shall include a release and waiver of all future claims or demands of any nature resulting from the performance of work under this Agreement.

The CITY and METRO may, if they desire, furnish an inspector to ensure proper compliance with CITY and METRO requirements during installation and adjustment of their facilities. Such inspection costs will be borne by the CITY and METRO.

The STATE shall notify the CITY and METRO prior to the commencement of the work on the CITY's and METRO's facilities. The CITY and METRO agree that its inspection of the work shall be done in such manner as not to delay the STATE contractor in maintaining his construction schedule.

The STATE agrees to provide all construction engineering, supervision and inspection required to complete the adjustment of the CITY's and METRO's facilities.

II ESTIMATE OF COST

In accordance with the 1984 State of Washington Standard Specifications for Road, Bridge and Municipal Construction, and adopted design standards, unless otherwise noted, the STATE will furnish part of the labor, materials, equipment and tools required for the removal and relocation of the CITY's and METRO's facilities in accordance with and as shown on plans marked Exhibit "C", attached hereto and by this reference made a part of this Agreement.

The estimated cost of the work under this Agreement is shown on Exhibit "B", attached hereto and by this reference made a part of this Agreement. The STATE agrees to assume the CITY cost for the items of work as outlined on Exhibit "A".

STATE liability under this section shall be contingent upon receiving satisfactory and acceptable bids on the proposed improvement and the subsequent award and execution of the contract therefor.

The STATE reserves the right to reject any or all bids and, if necessary, re-advertise the contract. If the State must readvertise the contract METRO shall bear their proportionate share of the cost.

III PAYMENT

The question of which party, METRO or the STATE, is responsible for the cost of METRO facilities relocation, or any part thereof, is a matter of dispute between the parties at this time. Because the highway project is imminent, relocation must be accomplished immediately and most probably prior to the settlement of this dispute. It is the intention of the parties that the burden of the cost of the relocation herein contemplated, or any portion thereof, shall fall upon the party who is ultimately responsible under the laws of the State of Washington for such costs. Therefore, the parties agree to the following procedure in order that relocation may begin.

Periodically, as set forth in the attached Exhibits "A", "B" and "C", the STATE shall submit to METRO a billing for one-half of the actual direct and related indirect costs incurred for relocation of METRO facilities. METRO shall then reimburse the STATE for the billed costs within 45 days of receipt of the billing unless the dispute has been resolved prior to that time.

The dispute shall then either be settled between the parties or by an affirmative finding by the Attorney General's Office for a determination of the matter. A finding by the Attorney General's Office shall be final and binding unless, within 60 days of the receipt thereof, a party adversely affected thereby brings an appropriate action in a court of general jurisdiction under which such parties seek to have said dispute finally determined. If it is determined that METRO is responsible for costs incurred, METRO shall pay to the STATE such additional amount as is necessary to reimburse it pursuant to such liability. If it is determined that the STATE is responsible for the costs incurred then the STATE shall repay METRO amounts received from METRO under this Agreement, or so much thereof as conforms to such

liability. If the dispute is settled or responsibility for costs is determined prior to the payment by METRO of any money to the STATE, any payment by METRO shall be in accordance with such settlement or determination. In no event shall METRO be held responsible for more than those actual direct and related indirect costs accumulated as set forth above. No interest shall run in favor of either party until the dispute is resolved.

IV NOTIFICATION

The STATE shall notify the CITY and METRO prior to the commencement of the work on the CITY's and METRO's facilities. The CITY and METRO agree that inspection of the work shall be done in such a manner as not to delay the STATE contractor in maintaining his construction schedule and at no cost to the STATE.

V LEGAL RELATIONS

The CITY and METRO shall indemnify and hold the STATE and its agents, employees and/or officers harmless from and shall process and defend at its own expense any and all claims, demands, suits at law or equity, actions, penalties, losses, damages or costs of whatsoever kind or nature, brought against the STATE arising out of, in connection with or incident to the execution of this Agreement and/or the CITY's and METRO's performance or failure to perform any aspect of this Agreement, provided, however, that if such claims are caused by or result from the concurrent negligence of a) the CITY and METRO and b) the STATE, its agents, employees and/or officers, this indemnity provision shall be valid and enforceable only to the extent of the negligence of the CITY and METRO, and provided further, that nothing herein shall require the CITY and METRO to hold harmless or defend the STATE, its agents, employees and/or officers from any claims arising from the sole negligence of the STATE, its agents, employees, and or officers.

No liability shall attach to the STATE, the CITY or METRO by reason of entering into this Agreement except as expressly provided herein.

The CITY hereby grants and conveys to the STATE the right of entry upon all lands which the CITY has interest, within the right-of-way of the highway, for the purpose of improving and/or constructing said highway.

The CITY and METRO agree that upon completion of the work outlined herein, all future operation and maintenance of the relocated facilities shall be at the sole cost of the CITY and METRO and without expense to the STATE.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the day and year first above written.

CITY OF SEATTLE

By:

Charles Royer
Charles Royer, Mayor

Date: _____

MUNICIPALITY OF METROPOLITAN SEATTLE

By:

Chas. J. Gibbs

Title: _____

Date: Nov 3, 1986

APPROVED AS TO FORM

Date: Oct. 16 1986

By:

William Bond
Assistant Attorney General

STATE OF WASHINGTON
DEPARTMENT OF TRANSPORTATION

By:

Charles J. Lawrence
Project Development Engineer

EXHIBIT "A"

SPECIFICATIONS AND SPECIAL CONSIDERATIONS

The work proposed under the terms of this Agreement contemplates the removal, relocation and/or construction of certain CITY and METRO facilities as described herein.

WORK TO BE PERFORMED BY THE STATE

- 1) Remove 21 steel poles, including street lights
- 2) Install 35 davit poles and attachments, including street lights

WORK TO BE PERFORMED BY THE CITY

NONE

WORK TO BE PERFORMED BY THE METRO

- 1) Install the trolley wires

BETTERMENTS

The adjustment of the facilities, as required herein, does not constitute a betterment as defined in Federal-Aid Highway Program Manual 1-4-4. All poles prior to State construction were steel.

ACCRUED DEPRECIATION

Adjustment of the CITY's facilities does not involve a credit due for the value of the accrued depreciation of the facility being replaced.

SALVAGE

Any salvage value shall be reflected in the contractor's bid prices.

EXHIBIT "A"

METRO AND STATE COST RESPONSIBILITY

The STATE and METRO do not agree as to which party is responsible for the relocation of METRO facilities. Until this is settled the STATE and METRO shall each pay 50 percent of the actual direct and related indirect costs of relocating METRO facilities. This is reflected in Exhibit "B".

DISPOSAL OF LUMINAIRES

The contractor shall be responsible for the disposal of the luminaires and shall be incidental to the cost of the new poles and luminaires.

EXHIBIT "B"
ESTIMATE OF COST

THIS COST ESTIMATE IS A PRELIMINARY ESTIMATE. IT DOES NOT REFLECT ANY COST DIFFERENTIAL INCREASES OR DECREASES WHICH MAY HAVE OCCURRED DUE TO PLAN CHANGES OR ADDENDAS AFTER THE AGREEMENT BEGAN CIRCULATION FOR APPROVAL. THE COSTS MAY BE INCREASED OR DECREASED IN VALUE DUE TO CHANGES. THE UTILITY AGREES TO PAY THE ACTUAL DIRECT AND INDIRECT RELATED COSTS FOR THE WORK CONTEMPLATED IN THE AGREEMENT, OR AS REVISED BY ADDENDAS OR PLAN CHANGES REVIEWED BY THE UTILITY. IF IT IS DETERMINED NECESSARY FOR PROPER BILLINGS A SUPPLEMENTAL AGREEMENT SHALL BE ENTERED INTO AFTER BID OPENING TO REFLECT THE CHANGES.

1.0 MATERIAL

QUAN	UNIT	ITEM	UNIT PRICE	AMOUNT	TOTAL AMOUNT
1	LS	CITY STREET ILLUMINATION SYSTEM REL. M.L. KING WAY S. *	256,000	256,000	
1	LS	MOBILIZATION #	25,164	25,164	
		SUBTOTAL **		\$281,164	
		ENGINEERING @ 10%		28,116	
		CONTINGENCIES @ 5%		14,058	
		SUBTOTAL 1.0			\$323,339

2.0 METRO FORCES - ACTUAL DIRECT COSTS

QUAN	UNIT	ITEM	UNIT PRICE	AMOUNT	TOTAL AMOUNT
1	EST	METRO CREW	12,000	12,000	
		SUBTOTAL 2.0			\$12,000
		TOTAL 1.0 AND 2.0 - METRO & STATE COST			\$335,339

* SEE ATTACHMENT A TO EXHIBIT "B" FOR BREAKDOWN
 ** INCLUDES SALES TAX @ 7.9%
 # ACTUAL COST FOR MOBILIZATION WILL BE DETERMINED BY A PRORATION BASED UPON THE TOTAL COST OF THE WORK IN THIS AGREEMENT TO THE TOTAL CONTRACT.

ATTACHMENT A TO EXHIBIT "B"
ESTIMATE OF COST BREAKDOWN

1.0 MATERIAL

1.1 CITY - COST OF LUMINATION SYSTEM

QUAN	UNIT	ITEM	UNIT PRICE	AMOUNT	TOTAL AMOUNT
1	LS	MOBILIZATION #	23,322	23,322	
760	LF	RGS CONDUIT	9.11	6,924	
3300	LF	PVC CONDUIT	3.40	11,220	
25	EA	J-BOXES	650.00	16,250	
13400	LF	CONDUCTORS	0.70	9,380	
18	EA	MAST ARM AND LUMINAIRE	1,143.00	20,574	
35	EA	METRO TROLLEY STRAIN POLES	2,904.00	101,640	
35	EA	FOUNDATION	766.00	26,810	
3650	LF	TRENCH AND BACKFILL	2.79	10,184	
21	EA	POLE REMOVAL	238.88	5,016	
SUBTOTAL 1.0 MATERIALS				231,319	
SALES TAX @ 7.9%				18,274	
SUBTOTAL				249,593	
ENGINEERING @ 10%				24,959	
CONTINGENCIES @ 5%				12,480	
SUBTOTAL 1.1				\$287,032	

1.2 METRO (THE ADDITIONAL COST TO THE ILLUMINATION SYSTEM FOR METRO TO ATTACH TO THE POLES)

QUAN	UNIT	ITEM	UNIT PRICE	AMOUNT	TOTAL AMOUNT
35	EA	METRO TROLLEY STRAIN POLES	580	20,300	
35	EA	FOUNDATION	256	8,960	
SUBTOTAL				29,260	
SALES TAX @ 7.9%				2,312	
SUBTOTAL				31,572	
ENGINEERING @ 10%				3,157	
CONTINGENCIES @ 5%				1,579	
SUBTOTAL 1.2				\$36,307	
TOTAL 1.0					\$323,339

2.0 METRO FORCES - ACTUAL DIRECT COSTS

QUAN	UNIT	ITEM	UNIT PRICE	AMOUNT
1	EST	METRO CREW	12,000	12,000
SUBTOTAL 2.0				\$12,000
TOTAL COST 1.0 + 2.0				\$335,339

THE STATE AND METRO WILL SHARE EQUALLY THE COST OF METRO ATTACHING TO THE CITY FACILITY.

STATE COST 50% [(\$36,307 + \$12,000)](.50) = \$24,154

METRO COST 50% [(\$36,307 + \$12,000)](.50) = \$24,154

SUMMARY OF COSTS USED TO DETERMINE THE UTILITIES AND STATES OBLIGATION. IT DOES NOT INCLUDE METRO FORCES, ACTUAL DIRECT COSTS. THE PERCENTAGES DETERMINED WILL BE APPLIED ONLY TO THE CONTRACT COSTS. UNTIL A DETERMINATION IS MADE THE STATE AND METRO WILL SHARE 50/50 FOR METRO FORCE WORK.

A.	STATE COST	305,185
B.	METRO COST	18,154
		=====
C.	TOTAL COST	\$323,339

THE FOLLOWING PERCENTAGES SHALL REMAIN FIXED AND APPLIED TO THE TOTAL ACTUAL COST OF THE CONTRACT WORK COVERED BY THIS AGREEMENT.

STATE OBLIGATION	A/C(100)=	\$305,185	
		-----	94.39 %
		\$323,339	
UTILITY OBLIGATION	B/C(100)=	\$18,154	
		-----	5.61 %
		\$323,339	

Seattle Engineering Department



Eugene V. Avery, Director of Engineering
Charles Royer, Mayor

MEMORANDUM

DATE: March 2, 1987
TO: City Clerk
FROM: Joann M. Sullivan *JMS*
SUBJECT: Filing of Task Order for I-90

Attached is Supplement Number 2 of Task Order Number 8 for I-90, to be filed.

<u>TASK ORDER SUPPLEMENT</u>	<u>AGREEMENT</u>	<u>ORDINANCE</u>
Number 2 of Number 8	GC-7263	111246

JMS:adn

Attachment

FILED
CITY OF SEATTLE
1987 MAR - 06
1007 1009
CONTROL ROOM

AGREEMENT GC 7263

TASK ORDER NO. 8

SUPPLEMENT 2

This Supplement to Agreement GC 7263, Task Order No 8, made and entered into this 13th day of Feb., 198~~3~~⁷, between the STATE OF WASHINGTON, DEPARTMENT OF TRANSPORTATION, hereinafter referred to as the "STATE" and the CITY of SEATTLE, hereinafter referred to as the "CITY";

WHEREAS, by the terms of Section VI, Extra Work, of the Master Agreement GC 7263, dated August 8, 1983, a supplemental task order agreement is required because of a contract overrun of more than 25 percent, and

WHEREAS, Change Order No. 1 to the City contract covered by Task Order No. 8 to GC 7263 provided for payment to the contractor by force account for trench backfill material, an item found to be necessary because the material excavated from the trenches has proven unsuitable as trench backfill and for which no bid item was provided in the contract bid documents, and

WHEREAS, the CITY's original estimate of the total cost did not fall into the category of a major change, and

WHEREAS, the force account change order cost has now exceeded the definition of a major bid item as well as having exceeded the original cost of the contract by more than 25 percent, and

WHEREAS, it has been determined that a supplemental agreement with Federal Highway Administration approval is required because the total agreement dollars will be exceeded by more than 25 percent, and

WHEREAS, this agreement is a supplement to GC 7263, Task Order 8 and GC 7263, Task Order 8, Supplement 1, and is made a part of those previous agreements as if fully set forth therein,

NOW THEREFORE, in consideration of the terms, covenants and performance contained herein, or attached and incorporated and made a part hereof,

IT IS MUTUALLY AGREED AS FOLLOWS:

This supplement to Task Order 8 is incorporated into and made a part of Task Order 8 as if fully set forth therein.

The extra work covered by this supplement includes the following:

The use of mineral aggregate gravel borrow as a trench backfill material in the waterline, sewerline and storm drain line trenches as well as around manholes, catch basins and inlets where the native material is found unsuitable for trench backfill. Because there was no bid item providing for payment of this item in the contract bid documents and because the CITY and the contractor could not arrive at an agreeable price for neat line unit cost, the contractor is currently providing this material by force account.

Exhibit "A-2", Specifications and Special Considerations; Exhibit "B-2", revised Estimate of Cost; and Exhibit "C-2", plan sheets of additional work are attached hereto and by this reference made a part of this supplement.

The CITY has prepared a change order to cover the work involved with supplying the mineral aggregate trench backfill. Upon completion, and after approval by the STATE, this change order shall become a part of this supplement for all intents and purposes as if fully set forth herein.

All other terms and conditions of Agreement GC 7263, Task Order 8 shall remain in full force and effect.

This Supplement 2 to Agreement GC 7263, Task Order 8 shall be binding on the parties hereto, their successors or assigns.

IN WITNESS WHEREOF, parties hereto have executed this Task Order as of the day and year first above written.

CITY OF SEATTLE

By: *Kenneth Lewiston*
Superintendent of Water

Date: _____

By: *Nancy Zarb*
Director of Engineering

Date: _____

**STATE OF WASHINGTON
DEPARTMENT OF TRANSPORTATION**

By: *Chad L. Hamme*
Project Development Engineer

EXHIBIT "A-2"

SPECIFICATIONS AND SPECIAL CONSIDERATIONS

The work proposed under the terms of this Supplement 2 to Task Order 8 calls for the use of gravel borrow, referred to by the CITY as "Type 17", to replace native material as trench backfill. The estimate of cost is shown on Exhibit "B-2". Trench work where imported material was necessary for backfill is as listed below and shown on Exhibit "C-2".

WORK TO BE PERFORMED BY THE STATE

NONE

WORK TO BE PERFORMED BY THE CITY

Sheet 1 of 1

Area A: -

- 1) 800 feet of storm drain trench for 12 inch pipe
- 2) 480 feet of sewerline trench for 8 inch sewer pipe
- 3) 485 feet of waterline trench for 8 inch water main

Area B:

- 1) 143 feet of 12 inch sewerline trench
- 2) 415 feet of 8 inch waterline trench

Area C:

- 1) 780 feet of 8 inch waterline trench in Massachusetts Street
- 2) 340 feet of 8 inch waterline trench in Atlantic Street
- 3) 330 feet of 8 inch waterline trench in South Bradner Street
- 4) 210 feet of 2 inch waterline trench to provide new service to church

Area D:

- 1) 390 feet of 18 inch sewerline trench in Atlantic Street
- 2) 390 feet of 18 inch storm drain trench in Atlantic Street
- 3) 140 feet of 12 inch sewer line trench in Atlantic Street
- 4) 140 feet of 12 inch storm drain trench in Atlantic Street
- 5) 190 feet of 8 inch storm drain and sewerline trench in South Bradner Street
- 6) 220 feet of 8 inch sewerline trench in 28th Avenue South
- 7) 205 feet of 12 inch storm drain trench in 28th Avenue South

EXHIBIT "B-2"

ESTIMATE OF COST

Costs for this supplement are to cover the actual costs incurred by the City of Seattle for Change Order No. 1 to the contract let under Task Order No. 8, and Supplement No. 1. The change order was by force account, therefore, the dollar amount is by actual invoice receipts and recorded time for labor.

SUPPLEMENT NO. 2 to TASK ORDER NO. 8

1.0 LABOR

QUANTITY	UNIT	DESCRIPTION	RATE	AMOUNT
833	HR	Truck Driver	\$23.00	\$19,159
336	hr	Operator	\$24.00	\$8,064
SUBTOTAL				\$27,223
BENEFITS @ \$1.36/HR				\$1,590
SUBTOTAL				\$28,813
PROFIT @ 20%				\$5,763
LABOR TOTAL				\$34,576

2.0 EQUIPMENT

QUANTITY	UNIT	DESCRIPTION	RATE	AMOUNT
128	HR	Dump Truck	\$50.00	\$6,400
449	HR	Dump Truck	\$43.00	\$19,307
309	HR	Dump Truck	\$38.00	\$11,742
184	HR	Wheel Loader	\$51.00	\$9,384
160	HR	Wheel Loader	\$63.00	\$10,080
40	HR	Wheel Loader	\$88.00	\$3,520
15	HR	Water Truck (2000 gal.)	\$27.00	\$405
14	HR	545 Loader	\$48.00	\$672
3	HR	1/2 Ton Pickup	\$17.00	\$51
Equipment Total				\$61,561

3.0 RENTAL EQUIPMENT

QUANTITY	UNIT	DESCRIPTION	RATE	AMOUNT
1	EA	Best Parking Lot Cleaning	\$1,788.00	\$1,788
1	EA	G and B Trucking	\$795.00	\$795
1	EA	Gavy Merlino Const. Co.	\$302.00	\$302
1	EA	Mobil Crane Co.	\$370.00	\$370
Subtotal				\$3,255
Profit @ 15%				\$488
Total Rental Equipment				\$3,743

4.0 MATERIALS

QUANTITY	UNIT	DESCRIPTION	RATE	AMOUNT
12,628	TONS	Mineral Aggregate (by Invoice)	\$6.00	\$75,768
11,709	TONS	Waste Material (by Invoice)	\$5.25	\$61,472
Subtotal				\$137,240
Contractor Markup @ 15%				\$20,586
Total Material Costs				\$157,826

SUMMARY FOR SUPPLEMENT NO. 2

1.0	LABOR	\$34,576
2.0	EQUIPMENT	\$61,561
3.0	RENTAL EQUIPMENT	\$3,743
4.0	MATERIAL	\$157,826
SUBTOTAL FOR CHANGE ORDER		\$257,706
ENGINEERING COSTS @15%		\$38,656
TOTAL FOR SUPPLEMENT NO. 2		\$296,362 <=====

SUMMARY OF TASK ORDER NO. 8 AND SUPPLEMENTS

TASK ORDER NO. 8	\$571,730
SUPPLEMENT NO. 1	\$130,140
SUPPLEMENT NO. 2	\$296,362
=====	
TOTAL FOR AGREEMENT AND SUPPLEMENTS	\$998,232
=====	

EXHIBIT "A"

SPECIFICATIONS AND SPECIAL CONSIDERATIONS

The work proposed under this Agreement contemplates the removal, adjustment and/or relocation of certain facilities as described herein.

- a. 8" watermain in S. Bush Place from Popular Place S. to Davis Place S.
- b. 8" watermain in S. Norman St. from 20th Avenue S. to 23rd Avenue S.
- c. 8" watermain in 22nd Avenue S. from S. Norman St. to S. Charles St.
- d. 18" sewer line in S. Norman St. from 21st Avenue S. to 22nd Avenue S.
- e. 12" sewer line in S. Norman St. from 22nd Avenue S. to 23rd Avenue S.
- f. 18" & 12" sewer line in 22nd Avenue S. from S. Norman St. to S. Charles St.
- g. 30" storm drain line in S. Norman St. from 21st Avenue S. to 22nd Avenue S.
- h. 18" storm drain line in 22nd Avenue S. from S. Norman St. to S. Charles St.
- i. 12" storm drain line in S. Norman St. from 22nd Avenue S. to 23rd Avenue S.
- j. Related water sewer and storm drain appurtances and connections.
- k. Grading at intersection of 22nd Avenue S. & S. Norman St.
- l. Paving replacement and associated adjustments.
- m. Surface restoration.

SALVAGE

No credit for salvage is anticipated on this project.

BETTERMENTS

The adjustment of CITY facilities, as required herein does not constitute a betterment as defined in Federal-Aid Highway Program Manual Volume 1, Chapter 4, Section 4.

A 2-inch water main exists on 22nd Ave. S. which will be replaced with an 8-inch water main. The main replacement is governed by City policy if and when an existing water main is disrupted by street reconstruction - the undersized watermain must be sized up to a minimum of 8 inches in diameter for support of fire flows for safety purposes. This main replacement does not constitute betterment.

EXPIRED SERVICE LIFE

Adjustment of CITY facilities does not involve a credit due for the value of expired service life of the facilities being replaced.

EXHIBIT "B"

ESTIMATE OF COSTS

The noted engineering labor classifications, direct salary rates and overhead rates are used as the basis of estimating engineering activities described in this agreement. All the above rates are subject to change. The Engineer's estimate is based upon the 4th Quarter of 1983 quantities and unit prices.

<u>NO</u>	<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>DESCRIPTION</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
1	1	LS	09005	MOBILIZATION	\$30,000.00	\$30,000.00
2	1	LS	12010	CLEARING & GRUBBING	4,000.00	4,000.00
3	2,400	CY	13015	COMMON BORROW	10.00	24,000.00
4	1,800	CY	13035	EMBANKMENT COMPACTION	1.25	2,250.00
5	200	SF	19SP1	ROCK FACING	6.25	1,250.00
6	370	TON	20015	MINERAL AGGREGATE, TYPE 1 or 2	15.00	5,550.00
7	170	TON	20090	MINERAL AGGREGATE, TYPE 9	17.00	2,890.00
8	1,980	CY	20175	MINERAL AGGREGATE, TYPE 17	15.00	29,700.00
9	141	TON	34010	PVMT, ASPHALT CONCRETE CL B	65.00	9,165.00
10	10	LF	40015	CURB, CEM CONC, TYPE 108C	10.00	100.00
11	23	SY	41005	DRIVEWAY, CEM CONC, 6-INCH	26.00	598.00
12	12	SY	42005	SIDEWALK, CEM CONC	20.00	240.00
13	4,200	SF	47015	HYDROSEED	0.75	3,150.00
14	148	SY	52005	REMOVE PAVEMENT	8.00	1,184.00
15	20	LF	52010	REMOVE CURB	6.00	120.00
16	12	SY	52020	REMOVE SIDEWALK	7.00	84.00
17	1	EA	52060	ABANDON CATCH BASIN	200.00	200.00
18	7	EA	52075	ABANDON MANHOLE	500.00	3,500.00
19	26	CY	54005	PAVEMENT PATCH, CEM CON, CL 6.5 H.E.S.	150.00	3,900.00

<u>NO</u>	<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>DESCRIPTION</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
20	82	TON	52010	PAVEMENT PATCH, ASPH CONC, CCL B	75.00	6,150.00
21	82	TON	54015	PAVEMENT PATCH, TEMP MC 250	40.00	3,280.00
22	3,950	SY	56SP1	SODDING	1.00	3,950.00
23	40	LF	581SPA	FENCE, CHAIN LINK	15.00	600.00
24	222	LF	61006	BEDDING, CL B, 8-INCH PIPE	2.00	444.00
25	130	LF	61008	BEDDING, CL B, 8-INCH PIPE	3.00	390.00
26	698	LF	61012	BEDDING, CL B, 12-INCH PIPE	4.00	2,792.00
27	161	LF	61018	BEDDING, CL B, 18-INCH PIPE	5.00	805.00
28	500	CY	61100	FOUNDATION	15.00	7,500.00
29	198	LF	62212	PIPE, PSD, CONC REINF C76 CL III, 12-INCH	30.00	5,940.00
30	161	LF	62218	PIPE, PSD, CONC REINF C76 CL III, 18-INCH	35.00	5,635.00
31	80	LF	62SP1	PIPE, PSD, DUCT IRON CL54, 12-INCH	50.00	4,000.00
32	480	LF	62SP1	PIPE, PSD, DUCT IRON CL54, 18-INCH	65.00	31,200.00
33	372	LF	62SP2	PIPE, PSD, DUCT IRON CL54, 30-INCH	90.00	33,480.00
34	500	LF	62832	PIPE, PS, CONC REINF, C76 CL III, 12-INCH	40.00	20,000.00
35	85	LF	62SP4	PIPE, PS, DUCT IRON, CL54 12-INCH	50.00	4,250.00
36	660	LF	62SP8	PIPE, PS, DUCT IRON CL54, 18-INCH	60.00	39,600.00
37	6	EA	62906	TEE, CONC, 6-INCH	70.00	420.00
38	1	EA	62908	TEE, CONC, 8-INCH	80.00	80.00
39	2	EA	62926	TEE, DUCT IRON 6-INCH	200.00	400.00
40	1	EA	62928	TEE, DUCT IRON 8-INCH	300.00	300.00

<u>NO</u>	<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>DESCRIPTION</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
41	1	EA	62SP6	CROSS, DUCT IRON, 8-INCH	\$ 400.00	\$ 400.00
42	6	EA	63005	MANHOLE, TYPE 130	2,000.00	12,000.00
43	1	EA	63015	MANHOLE, TYPE 133	4,000.00	4,000.00
44	8	VF	63025	EXTRA DEPTH, TYPE 130 MANHOLE	150.00	1,200.00
45	8	VF	63035	EXTRA DEPTH, TYPE 133 MANHOLE	200.00	1,600.00
46	1	LS	63SP1	MANHOLE NO. 1, SPECIAL	6,000.00	6,000.00
47	1	LS	63SP2	MANHOLE NO. 2, SPECIAL	6,000.00	6,000.00
48	1	LS	63SP3	MANHOLE NO. 102, SPECIAL	7,000.00	7,000.00
49	1	LS	63SP4	MANHOLE NO. 103, SPECIAL	7,000.00	7,000.00
50	2	EA	63065	RECHANNEL MANHOLE	600.00	1,200.00
51	1	EA	64010	CATCH BASIN, TYPE 151	1,200.00	1,200.00
52	3	EA	64020	CATCH BASIN, TYPE 152B	1,500.00	4,500.00
53	4	EA	64030	CATCH BASIN, TYPE 171A	1,500.00	6,000.00
54	1	EA	64050	INLET, TYPE 165	800.00	800.00
55	96	LF	65006	PIPE, PERFORATED, 6-INCH	10.00	960.00
56	8	CY	65020	FILTER MATERIAL	20.00	160.00
57	200	LF	66006	PIPE, SSS, CONC C14, CL3, 6-INCH	25.00	5,000.00
58	100	LF	66206	PIPE, SSS, DUCT IRON 6-INCH	35.00	3,500.00
59	130	LF	69008	PIPE, CB, CONN, CONC C14 CL3, 8-INCH	20.00	2,600.00
60	22	LF	69408	PIPE, INLET CONN, CONC C14 CL3, 6-INCH	18.00	396.00
61	1,000	LF	74SPA	PIPE, WM, DUCT IRON CL. 52, AWWA C-151 8-INCH CEMENT MORTAR, FACTORY-LINED, COATED WITH COAL TAR EPOXY, AWWA C-210	35.00	35,000.00

<u>NO</u>	<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>DESCRIPTION</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
62	1,000	LF	74SPB	PIPE, WM, DUCT IRON CL. 52, AWWA C-151 8-INCH CEMENT MORTAR FACTORY LINED AWWA C-210 WITH TENSION JOINTS & 8 MIL POLYWRAP	\$ 45.00	\$45,000.00
63	5	CY	74025	BLOCKING, CEMENT CONCRETE	90.00	450.00
64	9	EA	75008	8-INCH GATE OR BUTTERFLY	500.00	4,500.00
65	1	LS	75SP2	VALVE, GATE, 24-INCH AND CHAMBER	11,000.00	11,000.00
67	1	EA	75150	AIR RELEASE VALVE, 1-INCH AND CHAMBER	2,000.00	2,000.00
68	1	EA	75150A	GATE VALVE 8-INCH, AIR RELEASE VALVE 1-INCH AND CHAMBER	2,500.00	2,500.00
69	9	EA	76010	VALVE BOX, CAST IRON	80.00	720.00
70	1	EA	77005	HYDRANT, 6-INCH CONN	1,400.00	1,400.00
71	1	EA	77007	HYDRANT, 6-INCH CONN INCLUDING VERTICAL EXTENSION	1,500.00	1,500.00
72	50	LF	77010	PIPE HYDRANT CONN, DUCT IRON CL 52, 6-INCH	16.00	800.00
73	2,000	LF	74SPA	PIPE BEDDING, CL B, 8-INCH	3.00	6,000.00
74	3	EA	COSP2	PILE CAP, CONC 1 PILE BENT	800.00	2,400.00
75	17	EA	COSP3	PILE CAP, CONC 2 PILE BENT	1,000.00	17,000.00
76	25	EA	COSP4	PIPE CAP, CONC 3 PILE BENT	1,100.00	27,500.00
77	2,980	LF	COSP5	PILE, CONC AUGERCAST 14-INCH DIA	13.00	38,740.00
Total construction bid items					\$561,123.00	
Sales tax @ 7.8%					\$ 43,768.00	
Total Construction Contract						\$604,891.00
City Engineering @ 27.86%						\$168,523.00
					Sub Total	\$773,414.00

WATER DEPARTMENT FORCES

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>LABOR</u>				
49	Hr.	Pipe worker	\$ 11.43	\$ 560
49	Hr.	Lead pipe worker	12.02	589
20	Hr.	Backhoe operator	12.47	249
20	Hr.	Driver	11.88	238
		Sub Total	<u>11.88</u>	<u>\$1,636</u>
		Overhead & Fringe Factor @ 60%		982
		Sub Total - Labor		<u>\$ 2,618</u>
<u>EQUIPMENT</u>				
23	Hr.	Backhoe	\$ 40.00	\$ 920
23	Hr.	Dump truck	23.00	529
32	Hr.	Service truck	12.00	384
		Sub Total - Equipment		<u>\$ 1,833</u>
<u>MATERIAL</u>				
4	Ea.	Fire hydrant	\$ 478.00	\$1,912
4	Ea.	Tapping sleeve	187.00	748
4	Ea.	Tapping valve	76.00	304
40	L.F.	Ductile pipe	6.10	244
4	Ea.	Standard valve box	95.00	380
8	Ea.	Steel plate	4.00	32
4	Ea.	Hydrant bleeder	5.00	20
4	Ea.	M.J. cap	60.00	240
4	Ea.	Concrete block	43.00	172
8	C.Y.	Crushed rock	10.00	80
5	Est.	Permanent street repair	500.00	2,500
		Sub Total		<u>\$6,632</u>
		Sales Tax @ 7.9%		<u>524</u>
		Sub Total		<u>\$7,156</u>
		Stores Expense @ 20%		<u>1,331</u>
		Sub Total - Material		<u>\$ 8,487</u>
		Sub Total - Water Dept. Forces		<u>\$12,938</u>

CONSULTANT COSTS

POOL

<u>CLASSIFICATION</u>	<u>HOURS</u>	<u>RATE</u>	<u>AMOUNT</u>
Principal Engineer	92	\$ 78.25	\$ 7,199.00
Design Engineer	104	56.00	5,824.00
Senior Design Tech.	260	51.50	13,390.00
Assistant Engineer	48	40.20	1,929.60
Drafter	48	28.00	1,344.00
Word Processor	44	27.85	1,225.40
			<u>\$30,912.00</u>

ST

Principal Engineer	50	\$ 65.00	\$ 3,250.00
Design Engineer	128	43.00	5,504.00
Assistant Engineer	16	37.00	592.00
Drafter	40	28.00	1,120.00
Word Processor	18	25.00	450.00
			<u>\$10,916.00</u>

CTS

Principal Engineer	38	\$ 53.50	\$ 2,033.00
Design Engineer	80	27.50	2,200.00
Drafter	16	27.50	440.00
Word Processor	18	22.00	396.00
			<u>\$ 5,069.00</u>

HART-CROWSER

Field Engr./Geologist	80	\$ 40.00	\$ 3,200.00
Project Engineer	48	55.00	2,640.00
Principal Engineer	6	80.00	480.00
Clerical/Support	10	30.00	300.00
			<u>\$ 6,620.00</u>

NON LABOR

Equipment Rental		\$	733.00
Auto rental/mileage			700.00
Reproduction/Photograph			550.00
Miscellaneous			142.00
			<u>\$ 2,125.00</u>

TOTAL CONSULTANTS \$55,642

TOTAL TASK ORDER @ 100% STATE COST \$841,994

256 FT-NEW 18 INCH SANITARY SEWER



561 FT-
NEW 18 INCH STORM DRAIN

23RD AVE SOUTH

257 FT-
NEW 12 INCH
STORM DRAIN

22ND AVE SOUTH
466 FT-NEW
8 INCH WATER MAIN

250 FT-
NEW 12 INCH
SANITARY SEWER

298 FT-NEW 12 INCH SANITARY SEWER

21ST AVE SOUTH

319 FT-
NEW 18 INCH SANITARY SEWER
371 FT-NEW 30 INCH STORM DRAIN

St.

S Ingersoll Pl

S Norman

St

Ave

22nd

Charles

S

Davis Pl.

S

Pl

S

S

S

S

S

S

S

S

Judkins

Ave

st

S

S

Ave

th

393 FT-
NEW 8 INCH WATERMAIN

905 FT-NEW 8 INCH WATERMAIN

Hiawatha Pl.

Bush

Ave.

Rainier

PLAR PL SOUTH

EXHIBIT 'C'
VICINITY MAP
SR90 CS1798
CONSTRUCTION TASK ORDER
NO. 2 WATER-SANITARY
SEWER STORM DRAINS
CITY OF SEATTLE

J.R. STEPHENSON
LOCATION ENGINEER
DISTRICT NO. 1
ADMINISTRATOR
SHEET 1 OF 1

Seattle
Engineering Department



MEMORANDUM

Date: April 30, 1984
To: City Clerk
From: Joann M. Sullivan, Financial Management
Subject: Filing of Task Orders for I-90

Attached is Task Order #2 for I-90 to be filled:

<u>Task Order</u>	<u>Agreement</u>	<u>Ordinance</u>
#2	GC-7263	11246

JMS:dah

Attachment

FILED
CITY OF SEATTLE
1984 APR 30 PM 4: 27
COMPTROLLER AND CITY CLERK

AGREEMENT GC 7263

TASK ORDER NO. 3

This Task Order, made and entered into this 21st day of May, 1984, between the STATE OF WASHINGTON, DEPARTMENT OF TRANSPORTATION, hereinafter referred to as the "STATE" and the CITY of SEATTLE, hereinafter referred to as the "CITY";

WHEREAS, Master Agreement GC 7263, entered into between the STATE and the CITY on August 8, 1983, is incorporated and by this reference made a part of this Task Order as if fully set forth herein.

NOW THEREFORE, it is mutually agreed as follows:

1. The work proposed under this Task Order contemplates removal, adjustment and/or the relocation of certain power facilities as described in the Master Agreement under items:
 - 3.3.1 Local street modifications - Judkins Street Vicinity
 - 4.4.1 26 - 4 KV overhead local feeders and 26 KV underground relocation - Rainier Avenue South Vicinity
 - 5.3.1 Local street modifications - Rainier Avenue South Vicinity
26 KV relocation in conflict with Cedar River Pipeline - Rainier Avenue South
2. Work To Be Performed By the State:
None
3. Work To BE Performed By the City:
The CITY shall, with CITY forces, construct the items noted in Exhibit "A"..
4. Exhibit "A", Specifications and Special Considerations, Exhibit "B", Estimate of Cost and Exhibit "C", vicinity map, are attached hereto and by this reference made a part of this Task Order.
5. The CITY is currently preparing contract plans and special provisions for the itemized work covered by this Task Order. Said plans and special provisions, upon completion, and after approval by the STATE, shall become a part of this Task Order for all intents and purposes as if fully set forth herein.

6. Financial Responsibility

The STATE is responsible for 100 percent of the costs covered by this Task Order.

7. Payment

Payment under this Task Order will be made on actual direct and related indirect costs in accordance with Section IV, PAYMENT of the Master Agreement.

IN WITNESS WHEREOF, parties hereto have executed this Task Order as of the day and year first above written.

CITY OF SEATTLE

By: *John D. Savan*
Superintendent Seattle City Light

Date: 5/17/84

STATE OF WASHINGTON
DEPARTMENT OF TRANSPORTATION

By: *Clayton S. Johnson*
Title: PROJECT DEVELOPMENT ENGINEER

Date: MAY 21 1984

EXHIBIT "A"
SPECIFICATIONS AND SPECIAL CONSIDERATIONS

The work proposed under this Task Order contemplates the removal, adjustment and/or relocation of certain facilities as described herein.

WORK BY SEATTLE CITY LIGHT

Rainier Avenue South Vicinity

Install conduits, 26 KV power cables, precast concrete vaults and miscellaneous material.

Atlantic Corridor - Rainier Avenue South Vicinity

Remove six power poles, install four poles, down guys and anchors and related power lines.

20th Avenue South - Judkins Street Vicinity

Remove seven power poles and related power line.

Hiawatha Place South - Judkins Street Vicinity

Remove seven power poles and related power lines.

WORK BY SEATTLE ENGINEERING DEPARTMENT - SIGNAL CREW

Install signal interconnect cable in Rainier Avenue South Vicinity.

SALVAGE

All material removed by the CITY, or its contractor, shall be reclaimed or disposed of by the CITY and shall be credited to the STATE in accordance with Federal-Aid Highway Program Manual PPM 30-4. The CITY shall furnish written notice to the STATE for the time and place the materials will be available for inspection. An estimate of the salvage credit is included in the Estimate of Cost. The removal cost of the wire removal exceeds the scrap value, however, the wire removal is for the safety and welfare of the public.

BETTERMENTS

The adjustment of CITY facilities, as required herein, does not constitute a betterment as defined in Federal-Aid Highway Program Manual PPM 30-4.

EXPIRED SERVICE LIFE

Adjustment of CITY facilities does not involve a credit due for the value of expired service life of the facility being replaced.

SCHEDULE OF MATERIALS REMOVED

<u>WIRE SIZE:</u>	<u>2</u>	<u>4</u>	<u>6</u>	<u>4/0</u>	<u>ACSR</u>	<u>750 MCM</u>
<u>FEET OF WIRE</u>						
18th Avenue South	1020	1500		None		
19th Avenue South	250	None	1480	None		
Valentine Place South	230	560	None	None	675	225
Hiawatha Place South		1392	197	None		
20th Avenue South		2473	348	2700		
Rainier Avenue South						2442
TOTAL FEET OF WIRE	1500	5925	2025	2700	675	2667

SCHEDULE OF MATERIALS INSTALLED

<u>WIRE SIZE:</u>	<u>1</u>	<u>4/0</u>	<u>750 MCM</u>
Valentine Place South (south)	600		
Valentine Place South (north)		145	435
South Massachusetts Ave.	921	307	921
Rainier Avenue South		1580	4740
South Bush Street		360	1080
TOTAL FEET OF WIRE	1521	2392	7176

EXHIBIT "B"
ESTIMATE OF COST

The noted engineering labor classifications, direct salary rates and overhead rates are used as the basis of estimating engineering activities described in this Agreement. All the above rates are subject to change. The engineer's estimate is based upon the 4th Quarter of 1983 quantities and unit prices.

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
1.0 LABOR				
1.1 Installation				
1.1.1 <u>26 KV Installation In Rainier Avenue South Vicinity</u>				
629	Hr.	Underground mechanical crew	\$ 72.72	\$ 45,741
55	Hr.	Underground cable pulling crew	123.94	6,817
220	Hr.	Underground electrical splice and terminates crew	64.34	14,155
4	Hr.	Overhead frame terminal pole crew	132.32	529
250	Hr.	Field engineer	25.73	6,433
		Sub Total		\$ 73,675
		Overhead @ 61.7%		45,457
		Sub Total - 1.1.1		\$119,132
1.1.2 <u>Signal Interconnect Cable In Rainier Avenue South Vicinity</u>				
16	Hr.	Signal Crew	\$ 43.37	\$ 694
		Sub Total		\$ 694
		Fringe and Overhead @ 73.78%		\$ 512
		Sub Total - 1.1.2		\$ 1,206
1.1.3 <u>Atlantic Corridor (Rainier Avenue South Vicinity)</u>				
32	Hr.	Pole installation crew (install four poles, down guys & anchors)	86.92	2,781
6	Hr.	Transfer & deadend crew (transfer and deadend two 4 KV poles)	130.95	786
18	Hr.	Transfer and deadend crew (transfer and deadend two 26 KV poles)	130.95	2,357
		Sub Total		\$ 5,924
		Overhead @ 61.7%		3,655
		Sub Total - 1.1.3		\$ 9,579

ESTIMATE OF COST (continued)

1.1.4 20th Avenue South and Hiawatha Place South (Judkins Street Vicinity)

3	Hr.	Lineworker (install 25 KVA transformer)	\$ 14.99	\$ 45
15.6	Hr.	Pole installation crew (install six down guys and anchor)	\$ 86.92	\$ 1,356
		Sub Total		\$ 1,401
		Overhead @ 61.7%		864
		Sub Total - 1.1.4		\$ 2,265
		Sub Total - 1.1		

\$132,182

1.2 Removal

1.2.1 Atlantic Corridor

18	Hr.	Pole removal crew (remove six poles)	\$ 86.92	\$ 1,565
		Sub Total		\$ 1,565
		Overhead @ 61.7%		966
		Sub Total - 1.2.1		\$ 2,531

1.2.2 20th Avenue South and Hiawatha Place South (Judkins Street Vicinity)

39	Hr.	Pole removal crew (remove 14 poles)	\$ 86.92	\$ 3,390
51	Hr.	Lineworker (remove wires)	14.99	764
2	Hr.	Lineworker (remove 25 KVA transformer)	14.99	30
		Sub Total		\$ 4,184
		Overhead @ 61.7%		2,582
		Sub Total - 1.2.2		\$ 6,766
		Sub Total - 1.2		

9,297

2.0 WORK TO BE DONE BY SEATTLE CITY LIGHT CREWS

2.1 Material - Installation - 26 KV ON Rainier Avenue South Vicinity

1880	Ft	5 inch PVC Conduit	\$ 2.10	\$ 3,948
2791	Ft	4 inch PVC Conduit	1.50	4,187
220	Ft	5 inch Rigid Galvanized Steel	10.00	2,200
110	Ft	4 inch Rigid Galvanized Steel	5.00	550
2	Ea.	5 inch, 10 foot Radius Steel Bends	2,000.00	4,000
2	Ea.	4 inch, 10 foot Radius Steel Bends	900.00	1800

ESTIMATE OF COST (continued)

2.1 Material - Installation (continued)

2	Ea.	5 inch, 4 foot Radius Steel Bends	600.00	1,200	
2	Ea.	4 inch, 4 foot Radius Steel Bends	400.00	800	
800	Ft.	2 inch Schedule 40 PVC	1.25	1,000	
3	Ea.	Handholes	300.00	900	
130	C.Y.	Concrete	50.00	6,500	
100	C.Y.	Sand	15.00	1,500	
2	Ea.	Concrete Precast Vaults	5,025	10,050	
2390	Ft.	4/0 Neutral Cable	1.25	2,988	
1521	Ft.	Number 1 Cable	2.64	4,015	
7176	Ft.	70 MCM Cable	6.71	48,151	
		Sub Total		\$ 93,789	
		Miscellaneous Materials @18%		16,882	
		Sub Total		\$110,671	
		Sales Tax @ 7.9%		8,743	
		Estimated Material Handling		1,459	
		Sub Total - 2.1			120,873

2.2 Material - Signal Interconnect Cable In Rainier Avenue South Vicinity

400	Ft.	Signal Interconnect Cable	\$.50	\$ 200	
6	Ea.	Poles (including loading @ 66%)	332.00	1,992	
7	Ea.	Anchors & Down Guys (including loading)	120.00	840	
		Sub Total		\$ 3,032	
		Sales Tax @ 7.9%		240	
		Estimated Material Handling		41	
		Sub Total - 2.2			3,313

3.0 TRANSPORTATION

612.4	Hr.	Manhours (loaded rate)	\$ 3.00	\$ 1,837	
		Sub Total - 3.0			1,837

ESTIMATE OF COST (continued)

4.0 EQUIPMENT

629	Hr.	Underground mechanical crew	\$	5.02	\$	3,158	
275	Hr.	Underground electrical crew		5.47		1,504	
4	Hr.	Overhead frame terminal pole crew		2.61		10	
250	Hr.	Field engineer pool car		.35		88	
16	Hr.	Signal truck		22.00		352	
16	Hr.	Air compressor		10.00		160	
400	Ft.	Pole wire		.06		24	
		Sub Total			\$	5,296	
		Loading @ 15%				794	
		Sub Total - 4.0					6,090

5.0 SALVAGE (materials removed)

8000	Lb.	750 MCM Aluminum Feeder Cable (2667')	\$	.44	\$	3,520	
330	Lb.	#2 Copper Conductor (1500')		.36		119	
829.5	Lb.	#4 Copper Conductor (5925')		.36		299	
182	Lb.	#6 Copper Conductor (2025')		.36		66	
176	Lb.	#4/0 Copper Conductor (2700')		.36		63	
312	Lb.	336.4 ACSR (675')		.62		193	
		Sub Total - 5.0					(\$ 4,260)
		TOTAL - 100% STATE COST					<u>\$269,332</u>

SUMMARY

1.0	Labor - Installation/Removal	\$141,479
2.0	Work By Seattle City Light	124,186
3.0	Transportation	1,837
4.0	Equipment	6,090
5.0	Salvage	(4,260)
	TOTAL - 100% STATE COST	<u>\$269,332</u>

AGREEMENT GC 7263

TASK ORDER #4

This Task Order, made and entered into this 21st day of May 1984, between the STATE OF WASHINGTON, DEPARTMENT OF TRANSPORTATION, hereinafter referred to as the "STATE" and THE CITY OF SEATTLE, hereinafter referred to as the "CITY";

WHEREAS, Master Agreement GC 7263, entered into between the STATE and the CITY on the 8th day of August, 1983, is incorporated and by this reference made a part of this Task Order as if fully set forth herein;

NOW, THEREFORE, it is mutually agreed as follows:

1. The work proposed under this Task Order contemplates the removal, adjustment and/or relocation of certain facilities as described in the Master Agreement under items:
 - 1.1.1 42 inch Cedar River pipeline No. 1
 - 1.1.2 42 inch Cedar River pipeline No. 1, 9 foot diameter reinforced concrete culvert crossing SR 90 at approximate Highway Engineers' Station (HES) LR 30+00
 - 1.1.3 8 inch waterline with pressure reducing valve in Golf-Sturgus Street
 - 1.1.4 16 inch waterline in Sturgus Avenue South from South Judkins Street to 17th Avenue South; thence easterly on South Massachusetts Street to 18th Avenue South
 - 1.1.5 8 inch waterline loop approximately 300 feet south of South Atlantic Street between 18th and 19th Avenues
 - 1.1.6 8 inch waterline loop approximately 200 feet south of South Atlantic Street between Valentine Place South and Rainier Avenue South
 - 1.2.1 Golf-Sturgus roadway, near 12th Avenue South
 - 1.2.2 Golf-Sturgus-Rainier Avenue South, 18-24 inch sanitary sewer
 - 1.2.3 Golf-Sturgus-Rainier Avenue South, 18-24 inch storm sewer
 - 4.1.1 54 inch waterline located approximately 100 feet south of South Atlantic Street from 18th Avenue South to Rainier Avenue South; thence northerly to South Bush Place

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CITY OF SEATTLE
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- 4.1.2 66 inch waterline approximately 100 feet south of South Atlantic Street from Valentine Place South to Rainier Avenue South; thence northerly to Hiawatha Place South and South Day Street easterly of Rainier Avenue South
- 4.1.3 66 inch isolation valve(s)
- 4.1.4 54 inch isolation valve(s)
- 4.1.5 Reinforced concrete culvert(s) for a 54 inch waterline and 230 kV power system
- 4.1.6 Existing 54 inch water main support
- 4.1.7 Foundation soil stabilization or soil treatments prior to the relocation of the 54 inch and 66 inch Cedar River water mains and also 230 kV oil filled power carrier and cables for circuits Number 1 and Number 2 in the vicinity of Rainier Avenue South
- 4.1.8 Temporary Lake Way bridge support to provide early utility construction space
- 4.1.11 Reinforced concrete culvert for a 66 inch waterline and a 230 kV power system
- 4.2.2 Transition 75 foot cylinder to box configuration for low overhead section of 84 inch storm drain in vicinity of South Atlantic Street
- 4.2.6 Temporary sewer from 20th Avenue South to Rainier Avenue South, located south of the permanent sewer
- 4.3.1 230 kV oil filled underground cable, circuit No. 1 South Massachusetts Street to South Bush Place (19th Avenue South)
- 4.3.2 230 kV oil filled underground cable, circuit No. 2 South Massachusetts Street to South Bush Place (20th-21st Avenue South)

2. Work to be performed by the STATE:

None

3. Work to be performed by the CITY:

Work by Seattle Engineering Department

Administer the contract.

Conduct the preconstruction meeting.

Provide on-site inspection.

Respond to state requests for information on design.

Prepare and submit monthly billings.

Prepare change orders.

Review and coordinate all change orders and shop drawings.

Work by Seattle Water Department

Coordinate and perform all needed water shutdowns.

Make all needed new watermain connections to existing line.

Kill water services.

Provide temporary watermains.

Transfer water services.

Cut and cap watermains.

Hydrant removal and abandon.

Work by Seattle City Light

Evaluate bids.

Attend preconstruction conference.

Coordinate cable splicing school.

Obtain clearances and de-energize and energize cable circuits.

Evaluate and approve electrical change orders.

Evaluate and approve contractor's freeze equipment and procedures.

Provide on-site inspection.

Work by the CITY consultant:

Attend the preconstruction meeting.

Assist and advise the CITY'S Construction Engineer on inspection and control of construction activities.

Provide on-site consultation on as-needed basis to be determined by CITY'S construction engineer.

Review and check structural and related shop plans.

Advise CITY on substitution of materials and products.

Arrange for soil services as needed.

Review and approve change orders as requested by the CITY.

Participate in final inspection.

4. Exhibit "A", Specifications and Special Considerations; Exhibit "B", Estimate of Cost; and Exhibit "C", Vicinity Map; are attached hereto and by this reference made a part of this Task Order.
5. The CITY is currently preparing contract plans and special provisions for the itemized work covered by this Task Order. Said plans and special provisions, upon completion, and after approval by the STATE, shall become a part of this Task Order for all intents and purposes as if fully set forth herein.

6. Financial Responsibility

The STATE is responsible for 100 percent of the costs covered by this Task Order.

7. Payment

Payment under this Task Order will be made on actual direct and related indirect costs in accordance with Section IV, PAYMENT of the Master Agreement.

8. Miscellaneous

Easement

In accordance with the terms of Master Construction Agreement GC 7263, the CITY and STATE shall enter into a separate easement agreement to perpetuate existing or replacement property rights of the CITY, and to define the location and conditions of said easement.

IN WITNESS WHEREOF, the parties hereto have executed this Task Order as of the day and year first above written.

CITY OF SEATTLE

By: Thomas E. Spring
for Superintendent of Water

Date: 5/14/84

By: Eugene V. Avery
Director of Engineering

Date: 5/16/84

By: John D. Sauer
Superintendent of City Light

Date: 5/14/84

STATE OF WASHINGTON

DEPARTMENT OF TRANSPORTATION

By: Clayton L. Johnson

Title: PROJECT DEVELOPMENT ENGINEER

Date: MAY 21 1984

EXHIBIT "A"

SPECIFICATIONS AND SPECIAL CONSIDERATIONS

The work proposed under this Agreement contemplates the removal, adjustment and/or relocation of certain facilities as described herein.

INSTALLATION OF:

8-, 16-, 42-, 54-, 66-inch diameter water mains and three utility tunnels.

Various sanitary sewers and storm drains varying in diameter from 12 to 30 inch.

Two 230 kV underground power circuits.

Cathodic protection for the 42-, 54-, 66-inch water mains, and 230 kV circuits.

Modify existing Lakeway structures.

Adjust traffic signal.

Reconstruct and restore streets.

Build and reconstruct walls.

Demolition.

SALVAGE

No credit for salvage is anticipated on this project, except for the scrap value of hydrants removed by CITY WATER DEPARTMENT forces. The scrap values are shown in Exhibit "B" of this Task Order.

The removal cost of the hydrants exceed the scrap value. However, the hydrant removal is for the safety and welfare of the public.

Those materials removed by the CITY contractor will become the property of the CITY contractor. The salvage value shall be reflected in the contractor's bid price.

DISCONNECT AND REMOVAL

The CITY facilities abandoned within the limits of the STATE right-of-way shall be removed by the STATE's contractor at STATE expense. The STATE shall assume full responsibility for and disposition of the abandoned CITY facilities upon disconnection and abandonment of said CITY facilities. It is agreed that the abandoned facilities to be removed by the STATE's contractor shall have no salvage value to the CITY.

facilities upon disconnection and abandonment of said CITY facilities. It is agreed that the abandoned facilities to be removed by the STATE's contractor shall have no salvage value to the CITY.

The abandonment of the existing CITY 230 kV cables, oil, and flushing of casings is an exception to the above. The removal of the 230 kV cables, oil, and flushing of the casings is for environmental protection requirements only and not for salvage purposes.

Also, abandoned CITY utility facilities will be removed from the old street right-of-way now incorporated within the STATE's right-of-way. This area is bounded between 17th Ave. S. on the West, Rainier Ave. South on the East, S. Atlantic on the north and extends 100 feet southerly of S. Atlantic St. which is the southern boundary. The abandoned utility facilities, if not removed, become obstructions to the new CITY utility facilities to be constructed under this task order in the above described area.

BETTERMENTS

The adjustment of CITY facilities, as required herein does not constitute a betterment as defined in Federal-Aid Highway Program Manual Volume 1, Chapter 4, Section 4.

EXPIRED SERVICE LIFE

Adjustment of CITY facilities does not involve a credit due for the value of expired service life of the facilities being replaced.

EXHIBIT "B"

ESTIMATE OF COSTS

The noted engineering labor classifications, direct salary rates and overhead rates are used as the basis of estimating engineering activities described in this agreement. All the above rates are subject to change. The engineer's estimate is based upon the 4th Quarter of 1983 quantities and unit prices.

MATERIALS INSTALLED

UNIT A

<u>BID ITEM NO</u>	<u>STD. ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>UNIT</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
1	07005	TRAINING	2,000	HR	2	4,000
2	09005	MOBILIZATION	-----	LS	---	210,068
3	12015	CLEARING AND GRUBBING	-----	LS	---	60,000
4	13005	EXCAVATION, COMMON	4,630	CY	6	27,780
5	13015	BORROW, COMMON	10,960	CY	5	54,800
6	13040	EMBANKMENT COMPACTION	25,920	CY	2	51,840
7	17005	EXCAVATION, STRUCTURE	220	CY	17	3,740
8	19005	ROCK FACING	100	SF	6	600
9	20102	MINERAL AGGREGATE, TYPE 1 OR 2	525	TN	13	6,825
10	20117	MINERAL AGGREGATE, TYPE 17	13,435	CY	8	107,480
11	34005	PAVMT, ASPHALT CONCRETE CL B	125	TN	60	7,500
12	39006	PAVMT, CEM CONC, CL 5 (1½), 6 INCH	2,566	SY	16	41,056

UNIT A

<u>BID ITEM NO</u>	<u>STD. ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>UNIT</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
13	39303	PAVMT, THICKENED EDGE (18 INCH x 3 INCH)	465	LF	1	465
14	40008	CURB, CEM CONC, TYPE 108A	220	LF	9	1,980
15	40108	CURB, CEM CONC, TYPE 108C	2,170	LF	6	13,020
16	42005	SIDEWALK, CEM CONC	1,420	SY	12	17,040
17	42010	SIDEWALK, THICKENED EDGE	250	LF	1	250
18	42015	CURB RAMP, CEM CONC	8	EA	250	2,000
19	44325	TRAFFIC BUTTON, TYPE 125D	15	EA	7	105
20	44425	TRAFFIC BUTTON, TYPE 125C	50	EA	2	100
21	47005	EROSION CONTROL, HYDRO-SEEDING	98,500	SF	0.25	24,625
22	48SP1	LANDSCAPE ESTABLISH MIN BID (\$3,500)	----	LS	---	3,500
23	48008	TREE, EVERGREEN, 6 FT TO 8 FT	7	EA	150	1,050
24	48030	TREE, DECIDUOUS, OVER 3 INCH CAL	11	EA	150	1,650
25	48061	SHRUB, DECIDUOUS, 1 GAL	1,000	EA	6	6,000
26	48145	RELOCATE TREE	2	EA	100	200
27	48105	MULCH	60	CY	25	1,500
28	48SPA	TRAFFIC CIRCLE	----	LS	---	4,000
29	49005	MANUAL IRRIGATION SYSTEM	----	LS	---	14,000
30	52005	REMOVE PAVEMENT	5,625	SY	5	28,125
31	52015	REMOVE CURB	1,310	LF	3	3,930
32	52025	REMOVE CEM CONC SIDEWALK	2,713	SY	4	10,852
33	52055	REMOVE PIPE	985	LF	3	2,955

UNIT A

<u>BID ITEM NO</u>	<u>STD. ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>UNIT</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
34	52060	REMOVE MANHOLE	4	EA	250	1,000
35	52065	REMOVE CATCH BASIN OR SAND BOX	2	EA	200	400
36	52070	REMOVE INLET	5	EA	100	500
37	52075	REMOVE GATE VALVE	1	EA	60	60
38	52085	REMOVE HYDRANT	3	EA	150	450
39	52110	REMOVE LUMINAIRE AND BRACKET ARM	2	EA	100	200
40	52115	REMOVE SIGN	4	EA	50	200
41	52215	REMOVE STRUCTURES AND OBSTRUCTIONS	---	LS	---	40,000
42	52262	SAW CONC, 2 INCH MINIMUM DEPTH	50	LF	4	200
43	52275	REMOVE MANHOLE	7	EA	500	3,500
44	52280	REMOVE CATCH BASIN	9	EA	300	2,700
45	52290	REMOVE PIPE	1,630	LF	3	4,890
46	53005	ADJUST MH, CB OR VC	4	EA	250	1,000
47	53015	ADJUST MON FRAME AND COVER	1	EA	100	100
48	54005	PAVMT PATCH, CEM C. CL 6.5 (1½) HES	270	CY	100	27,000
49	54250	PAVMT PATCH, TEMP, MC 250	170	TN	40	6,800
50	55005	PLANTING SOIL	80	CY	25	2,000
51	56010	SODDING	4,850	SF	0.50	2,425
52	61008	BEDDING, CL B, 8 INCH PIPE	696	LF	3	2,088
53	61010	BEDDING, CL B, 10 INCH PIPE	80	LF	3.50	280
54	61012	BEDDING, CL B, 12 INCH PIPE	1,295	LF	4	5,180

UNIT A

<u>BID ITEM NO</u>	<u>STD. ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>UNIT</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
55	61018	BEDDING, CL B, 18 INCH PIPE	1,282	LF	5	6,410
56	61021	BEDDING, CL B, 21 INCH PIPE	2,100	LF	6	12,600
57	61024	BEDDING, CL B, 24 INCH PIPE	872	LF	8	6,976
58	61030	BEDDING, CL B, 30 INCH PIPE	165	LF	9	1,485
59	62SPA	MODIFY 96" PSD TOP @ 66" WM CROSSING	---	LS	---	5,000
60	62112	PIPE, PSD, CONC REINF C76 CL III, 12 INCH	335	LF	25	8,375
61	62118	PIPE, PSD, CONC REINF C76 CL III, 18 INCH	410	LF	35	14,350
62	62121	PIPE, PSD, CONC REINF C76 CL IV, 21 INCH	2,100	LF	40	84,000
63	62125	PIPE, PSD, CONC REINF C76 CL IV, 24 INCH	872	LF	50	43,600
64	62130	PIPE, PSD, CONC REINF C76 CL IV, 30 INCH	165	LF	65	10,725
65	62509	PIPE, PS, CONC C14 CL 3, 8 INCH	121	LF	20	2,420
66	62511	PIPE, PS, CONC C14 CL3, 10 INCH	80	LF	22	1,760
67	62608	PIPE, PS, DIP, CL 52, 8 INCH	80	LF	24	1,920
68	62522	PIPE, PS, CONC REINF C76 CL III, 12 INCH	960	LF	25	24,000
69	62528	PIPE, PS, CONC REINF C76 CL III, 18 INCH	747	LF	35	26,145
70	62618	PIPE, PS, DIP, CL 52, 18 INCH	125	LF	40	5,000
71	62706	TEE, CONC, 6 INCH	1	EA	50	50
72	62708	TEE, CONC, 8 INCH	17	EA	80	1,360

UNIT A

<u>BID</u> <u>ITEM</u> <u>NO</u>	<u>STD.</u> <u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>UNIT</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
73	62SPA	TEE, DIP, 18 INCH GRAFT ON PIPE	1	EA	800	800
74	62SPB	TEE, CONC, 30 INCH GRAFT ON PIPE	1	EA	1,000	1,000
75	63130	MANHOLE, TYPE 130	6	EA	1,500	9,000
76	63131	MANHOLE, TYPE 132	28	EA	2,000	56,000
77	63SPA	MODIFY MANHOLE STRUCTURE	2	EA	2,000	4,000
78	63230	EXTRA DEPTH, MANHOLE, TYPE 130	16	VF	80	1,280
79	63232	EXTRA DEPTH, MANHOLE, TYPE 132	4	VF	100	400
80	64163	CATCH BASIN, TYPE 153	5	EA	800	4,000
81	64171	CATCH BASIN, TYPE 171A	6	EA	1,500	9,000
82	64365	INLET, TYPE 165	4	EA	600	2,400
83	65008	PIPE, PERFORATED, CORR METAL, 8 INCH	370	LF	10	3,700
84	65400	FILTER MATERIAL	56	EA	20	1,120
85	66316	PIPE, SS, CONC C14 CL 3, 6 INCH	65	LF	10	650
86	66SPA	REMOVE AND RELAY SIDE SEWER	15	EA	300	4,500
87	69018	PIPE, CB CONN, CONC, C14 CL 3, 8 INCH	375	LF	12	4,500
88	69518	PIPE, INLET CONN, CONC, C14 CL 3, 8 INCH	120	LF	12	1,440
89	74008	PIPE, WM, D.I. CL 52, 8 INCH INC FTNGS	1,255	LF	30	37,650
90	74016	PIPE, WM, D.I. CL 52, 16 INCH INC FTNGS	495	LF	70	34,650

UNIT A

<u>BID</u> <u>ITEM</u> <u>NO</u>	<u>STD.</u> <u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>UNIT</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
91	----	PIPE, WM, D.I. CL 52, TENSION JOINT, 16 INCH INC FTNGS	483	LF	80	38,640
92	74SPA	INSTALL (CITY FURNISHED) PIPE, WM, D.I. CL 52, TENSION JOINT, 16 INCH INC FTNGS	270	LF	40	10,800
93	74130	BLOCKING, CEM CONC	7	CY	100	700
94	75SPA	BLOCKING, CEM CONC	7	CY	100	700
95	75SPB	8 INCH PRV AND CHAMBER W/ 2 INCH BY-PASS	---	LS	---	18,000
96	77006	HYDRANT, 6 INCH CONN, TYPE 180	3	EA	1,200	3,600
97	77018	PIPE, HYDRANT CONN, D.I. CL 52, 8 INCH	30	LF	45	1,350
98	80015	LUMINAIRE, HIGH PRESSURE SODIUM, 150 W	5	EA	300	1,500
99	80SPA	BRACKET ARM, 6-FOOT	5	EA	200	1,000
100	80SPB	WIRING, STREET LIGHTING	---	LS	---	1,800
101	84SPA	RESET DETECTOR LOOP	---	LS	---	1,000
102	86SPA	POLE STEEL, STREET LIGHT	5	EA	2,000	10,000
103	86510	FOUNDATION, STREET LIGHT	5	EA	600	3,000
104	88062	CONDUIT, PVC, 2 INCH	645	LF	5	3,225
105	88190	TRENCHING CONDUIT	645	LF	5	3,225
106	88212	CONDUIT RISER, 2 INCH	1	EA	350	350
107	88302	HANDHOLE, TYPE 2	4	EA	300	1,200
108	90005	SIGN TRAFFIC CONTROL	15	SF	30	450
109	90020	POST, SIGN	5	EA	25	125

UNIT A

<u>BID ITEM NO</u>	<u>STD. ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>UNIT</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
110	92004	PAVMT MARKING, PAINT, 4 INCH STRIPE	200	LF	2	400
111	92008	PAVMT MARKING, THERMO, 8 INCH STRIPE	240	LF	4	960
112	C6045	CONCRETE CL B FOR RETAINING WALL	70	CY	300	21,000
113	C6070	STEEL REINFORCING BAR, GRADE 60	2,000	LB	1	2,000
UNIT A BID ITEM TOTAL						<u>\$1,371,300</u>

UNIT B

<u>BID ITEM NO</u>	<u>STD. ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>UNIT</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
1		Mobilization		LS	----	1,087,166.50
2		Excavation, CRPL No. 1, Access Shaft		LS	----	65,515.00
3		Excavation, CRPL No. 1, Drop Shaft		LS	----	223,880.00
4		Excavation, CRPL No. 2, Utilidor	920	LF	320	294,400.00
5		Excavation, CRPL No. 3, Utilidor	800	LF	599	479,200.00
6		Trench Excavation, CRPL No. 1 Pipeline	377	LF	270	101,790.00
7		Trench Excavation, CRPL No. 2 Pipeline	1108	LF	112	124,096.00
8		Trench Excavation, CRPL No. 3 Pipeline	311	LF	180	55,980.00
9		Concrete Access Shaft, CRPL No. 1		LS	---	75,765.00
10		Concrete Drop Shaft, CRPL No. 1		LS	---	287,600.00
11		Concrete Tunnel, CRPL No. 1		LS	---	1,019,270.00
12		Foundation Stabilization	5750	CY	17.25	99,187.50
13		Pipeline Bedding, CRPL No. 1	377	LF	36.00	13,572.00
14		Pipeline Bedding, CRPL No. 2	1108	LF	50.00	55,400.00
15		Pipeline Bedding, CRPL No. 3	311	LF	85.00	26,435.00
16		Imported Backfill, CRPL No. 1 Pipeline	377	LF	90.00	33,930.00
17		Imported Backfill, CRPL No. 2 Pipeline	1108	LF	80.00	88,640.00

UNIT B

<u>BID</u> <u>ITEM</u> <u>NO</u>	<u>STD.</u> <u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>UNIT</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
18		Imported Backfill, CRPL No. 3 Pipeline	311	LF	85.00	26,435.00
19		Imported Backfill, CRPL No. 2 Utilidor	920	LF	65.00	59,800.00
20		Imported Backfill, CRPL No. 3 Utilidor	800	LF	110.00	88,000.00
21		Fill Over CRPL No. 2 Utilidor/Pipeline	14,300	CY	11.00	157,300.00
22		Concrete Blocking for Horizontal Bend, CRPL No. 1	67	LF	120.00	8,040.00
23		Concrete Blocking for Horizontal Bend, CRPL No. 2	81	LF	185.00	14,985.00
24		Concrete Blocking for Horizontal Bend, CRPL No. 3	109	LF	165.00	17,985.00
25		Concrete Blocking for Vertical Bend	47	CY	120.00	5,640.00
26		Remove Existing CRPL No. 1	931	LF	23.00	21,413.00
27		Remove Existing CRPL No. 2	1,557	LF	35.50	55,273.50
28		Remove Existing CRPL No. 3	904	LF	56.50	51,076.00
29		Concrete Utilidor, CRPL No. 2	920	LF	870.00	800,400.00
30		Concrete Utilidor, CRPL No. 3	800	LF	1,202.00	961,600.00
31		Buried Steel Pipe, 42" Dia. x 7/16" Wall	377	LF	164.00	61,828.00
32		Steel Pipe in Tunnel and Drop Shaft, 42" Dia. x 7/16" Wall	90	LF	336.50	30,285.00
33		Steel Pipe in Tunnel, 42" Dia. x ¼" Wall	370	LF	231.00	85,470.00

UNIT B

<u>BID ITEM NO</u>	<u>STD. ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>UNIT</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
34		Buried Steel Pipe, 54" Dia. x 1/2" Wall	287	LF	248.00	71,176.00
35		Steel Pipe in Utilidor, 54" Dia. x 1/2" Wall	65	LF	816.00	53,040.00
36		Buried Steel Pipe, 54" Dia. x 5/16" Wall	821	LF	150.00	123,150.00
37		Steel Pipe in Utilidor, 54" Dia. x 5/16" Wall	855	LF	265.25	226,788.75
38		Buried Steel Pipe, 66" Dia. x 9/16" Wall	219	LF	366.00	80,154.00
39		Steel Pipe in Utilidor, 66" Dia. x 9/16" Wall	112	LF	781.25	87,500.00
40		Buried Steel Pipe, 66" Dia. x 3/8" Wall	92	LF	212.00	19,504.00
41		Steel Pipe in Utilidor, 66" Dia. x 3/8" Wall	688	LF	327.75	225,492.00
42		Blowoff Assembly - CRPL No. 1, Sta. 7+72	LS	LS	----	12,775.00
43		Blowoff Assembly - CRPL No. 2, Sta. 6+79	LS	LS	----	7,130.00
44		Blowoff Assembly - CRPL No. 3, Sta. 1+46	LS	LS	----	11,880.00
45		Isolation Valve and Vault No. 1	LS	LS	----	124,790.00
46		Isolation Valve and Vault No. 2	LS	LS	----	116,600.00
47		Isolation Valve and Vault No. 3	LS	LS	----	105,030.00
48		Stairs, Spiral	LS	LS	----	23,900.00
49		Stairs, Lapeyre	LS	LS	----	10,400.00
50		Soldier Piles	2,600	VF	100.00	260,000.00
51		Auger Cast Concrete Piles	1,600	VF	30.00	48,000.00

UNIT B

<u>BID</u> <u>ITEM</u> <u>NO</u>	<u>STD.</u> <u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>UNIT</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
52		Temporary Bridge Supports	LS	LS	----	118,850.00
53		Modify Existing Bridge Substructure	LS	LS	----	10,400.00
54		Shoring at Temporary Bridge Support	6,750	SF	12.00	81,000.00
55		230 kV Ckt., Remove Existing Oil and Cable	LS	LS	----	37,140.00
56		Install Buried Steel Line Pipe	2,400	LF	18.50	44,400.00
57		Install Steel Line Pipe in Utilidor	1,691	LF	33.00	55,803.00
58		Install 230 kV Cable	12,273	LF	6.25	76,706.25
59		Normal Joint, Freeze with Nitrogen	4	EA	57,500.00	230,000.00
60		Normal Joint, Without Freeze	1	EA	45,000.00	45,000.00
61		Evacuate and Oil Fill Line Pipe	LS	LS	----	14,850.00
62		Communication Conduit System	1,639	LF	6.50	10,653.50
63		Splicing Vault - 19th Ave. S.	LS	LS	----	53,450.00
64		Splicing Vault - 20th Ave. S.	LS	LS	----	50,050.00
65		Splicing Vault - 21st Ave. S.	LS	LS	----	47,540.00
66		Cathodic Protection System at 12th Ave. S. & S. Dearborn St.	LS	LS	----	37,140.00
67		Cathodic Protection System at Rainier Ave. S. & S. Atlantic Street	LS	LS	----	96,550.00
68		Cathodic Protection System at Rainier Ave. S. & S. Bush Place	LS	LS	----	66,850.00
69		Thermocouple Test Stations	LS	LS	----	<u>2,950.00</u>
UNIT B BID ITEM TOTAL						\$9,264,000.00

UNIT A	\$ 1,371,300	
UNIT B	<u>9,264,000</u>	
Total construction bid items	\$10,635,300	
Sales tax @ 7.9%	840,190	
	=====	
Construction Contract Subtotal		\$11,475,490
City Engineering @ 29.6%		\$ 3,391,619
		=====
Total Construction Contract		\$14,867,109

WATER DEPARTMENT FORCES INSTALLED

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>LABOR INSTALLED</u>				
272	Hr.	Pipe worker	\$ 11.43	\$ 3,109
272	Hr.	Lead pipe worker	12.02	3,269
199	Hr.	Backhoe operator	12.47	2,482
199	Hr.	Driver	11.88	2,364
		Sub Total	<u>11.88</u>	<u>\$11,224</u>
		Overhead & Fringe Factor @ 60%		<u>6,734</u>
		Sub Total - Labor Installed		\$17,958

EQUIPMENT INSTALLED

199	Hr.	Backhoe	\$ 40.00	\$ 7,960
199	Hr.	Dump truck	23.00	4,577
242	Hr.	Service truck	12.00	2,904
		Sub Total - Equipment Installed	<u>12.00</u>	<u>\$15,441</u>

WATER DEPARTMENT FORCES INSTALLED (Cont.)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>MATERIAL INSTALLED</u>				
8	Ea.	Fire hydrant	\$ 478.00	\$ 3,824
8	Ea.	Tapping sleeve	187.00	1,496
8	Ea.	Tapping valve	76.00	608
80	L.F.	Ductile pipe	6.10	488
8	Ea.	Standard valve box	95.00	760
16	Ea.	Steel plate	4.00	64
8	Ea.	Hydrant bleeder	5.00	40
8	Ea.	M.J. cap	60.00	480
8	Ea.	Concrete block	43.00	344
16	C.Y.	Crushed rock	10.00	160
8	Est.	Permanent street repair	<u>500.00</u>	<u>4,000</u>
		Sub Total		\$12,264
		Sales Tax @ 7.9%		<u>969</u>
		Sub Total		\$13,233
		Stores Expense @ 20%		<u>2,647</u>
		Sub Total - Material Installed		\$15,880
		Sub Total - Water Dept. Forces Installed		\$49,279

WATER DEPARTMENT FORCES REMOVAL

Materials Removed (Hydrants)

The following is the estimated scrapped value of the hydrants and is considered a credit to this project.

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>LABOR REMOVAL</u>				
27	Hr.	Pipe worker	\$ 11.43	\$ 309
27	Hr.	Lead pipe worker	12.02	325
20	Hr.	Backhoe operator	12.47	249
20	Hr.	Driver	11.88	238
		Sub Total		<u>\$1121</u>
		Overhead & Fringe Factor @ 60%		673
		Sub Total - Labor Removal		<u>\$1794</u>

EQUIPMENT REMOVAL

20	Hr.	Backhoe	\$ 40.00	\$ 800
20	Hr.	Dump truck	23.00	460
24	Hr.	Service truck	12.00	288
		Sub Total - Equipment Removal		<u>\$1548</u>

MATERIAL REMOVAL

4	Ea.	Fire hydrant	\$ 281.00	\$1124
4	Ea.	Standard valve box	20.00	80
4	Ea.	Hydrant bleeder	5.00	20
4	Est.	Permanent street opening	95.00	380
		Sub Total Material Removal		<u>\$1604</u>

Summary Water Department forces removal

Labor Removal -	\$1,794
Equipment Removal -	\$1,548
Material Removed (credit)	<u>[1,604]</u>
Total Water Dept. forces removal cost	\$1,738

CONSULTANT COSTS

R. W. BECK

<u>CLASSIFICATION</u>	<u>HOURS</u>	<u>RATE</u>	<u>AMOUNT</u>
Clerk	494	\$16.59	\$ 8,195
Draftsman/Secretary	473	20.31	9,606
Draftsman/Secretary	488	25.56	12,473
Engineer/Draftsman	952	32.28	30,731
Engineer/Technician	949	38.47	36,508
Engineer/Field Representative	2,474	48.53	120,063
Lead Engineer	1,972	55.99	110,412
Project Manager	1,936	69.46	134,475
Partner	982	86.11	84,560
			<u>\$547,023</u>

HART-CROWSER

Senior Principal	29	\$104.86	\$3,041
Principal	44	97.99	4,312
Senior Project Engineer/ Geologist	59	68.76	4,057
Associate	72	60.17	4,332
Project Engineer/Geologist	87	55.88	4,862
Senior Staff Engineer/ Geologist	101	49.86	5,036
Staff Engineer/Geologist	116	44.69	5,184
Senior Technician	58	42.98	2,493
Technician	29	37.82	1,097
Clerical	19	30.95	588
			<u>\$ 35,002</u>

CONSULTANT COSTS

SAJAN, INC.

<u>CLASSIFICATION</u>	<u>HOURS</u>	<u>RATE</u>	<u>AMOUNT</u>
Project Manager	173	\$65.21	\$ 11,281
Construction Engineer	347	65.21	22,628
Senior Design Engineer	614	54.34	33,365
Chief Field Engineer	873	44.77	39,084
Design Engineer	523	38.81	20,298
Assistant Field Engineer	438	34.94	15,304
Clerk/Steno	134	19.41	2,601
			<u>\$144,562</u>

NORTON CORROSION INC.

Principal	83	\$55.94	\$ 4,643
Project Engineer/Geologist	167	44.44	7,421
Staff Engineer/Geologist	332	33.87	11,245
Technician/Drafting	251	21.70	5,447
Clerical	64	19.50	1,248
			<u>\$ 30,004</u>

NON LABOR

Equipment Rental	\$ 5,450
Auto Rental/Mileage	5,205
Reproduction/Photography	4,089
Miscellaneous	1,056
	<u>\$ 15,800</u>

TOTAL CONSULTANTS	<u>\$ 772,391</u>
TOTAL TASK ORDER @ 100% STATE COST	\$15,690,517

SUMMARY

Total construction contract - - - - -	\$14,867,109
Total Water Department installed - - - - -	49,279
Total Water Department removed (net) - - - - -	1,738
Total consultants - - - - -	<u>772,391</u>
Total task order 100% state cost	\$15,690,517

Seattle
Engineering Department



MEMORANDUM

Date: June 18, 1984
To: City Clerk
From: Joann M. Sullivan *JMS*
Subject: **FILING OF TASK ORDERS FOR I-90**

Attached is Task Orders #3 and #4 for I-90 to be filed.

<u>Task Order</u>	<u>Agreement</u>	<u>Ordinance</u>
#3 & 4	GC-7263	111246

JMS:cv

FILED
CITY OF SEATTLE
1984 JUN 19 AM 11:57
COMPTROLLER AND CITY CLERK

Seattle
Engineering Department



MEMORANDUM

Date: August 18, 1983
To: City Clerk
From: Joann M. Sullivan
Subject: Filing of Agreements I-90

Attached are Agreements for I-90 to be filed:

Agreement No.

GC - 7260

GC - 7263

GC - 7265

Ordinance No.

~~711251~~ 111246

JMS:ec

Attachment

FILED
CITY OF SEATTLE
1983 AUG 18 PM 3:49
COMPTROLLER AND CITY CLERK

MASTER CONSTRUCTION AGREEMENT NO. GC 7263

GC7263

THIS AGREEMENT, made and entered into this 8th day of August 1983, between the STATE OF WASHINGTON, DEPARTMENT OF TRANSPORTATION, acting by and through the Secretary of Transportation, by virtue of RCW 47.12, hereinafter referred to as the "STATE" and the CITY OF SEATTLE located at 900 Seattle Municipal Building, Seattle, Washington 98104, acting by and through its Mayor, hereinafter referred to as the "CITY";

WHEREAS, the STATE is planning the construction or improvement of SR 90, Junction SR 5 to West Shore Mercer Island, and in connection therewith it is necessary to remove and/or relocate or construct certain CITY water, sanitary sewer, storm drainage, electrical and street facilities, and

WHEREAS, preliminary engineering feasibility studies were necessary to determine the most feasible relocations of the CITY water, sanitary sewer, drainage and electrical facilities, and

WHEREAS, the feasibility studies were accomplished by the CITY under Agreements No. GC 6027, GC 6028, GC 6029, GC 6030 and supplements, and

WHEREAS, the preliminary engineering final designs are being accomplished by the CITY under Agreements GC 6027, Supplement 1 (electrical distribution); GC 7150 (electrical transmission); GC 6778 and GC 7117 (water mains); GC 6779 and GC 7125 (sewer, drainage and streets); and GC 7260 and GC 7273 (two agreements covering sewer, drainage, water mains, streets and fire control system), and

WHEREAS, the construction contemplated under this Agreement is for the relocation of the above noted CITY facilities in conflict with STATE construction, and

WHEREAS, the CITY has a compensable interest in its facilities and right-of-way by virtue of being located on CITY owned right-of-way, and the STATE is obligated to reimburse the CITY for the relocation of these facilities and the CITY is obligated for the cost of any relocation required for facilities not on easement or CITY owned right-of-way, and

WHEREAS, RCW 39.34 permits the CITY to enter into agreement with the STATE, and

WHEREAS, actual construction of work covered by this Agreement shall be accomplished by executed "Task Order" documents, and

WHEREAS, this agreement facilitates CITY review and ordinance processes.

NOW THEREFORE, in consideration of the terms, conditions, covenants and performance contained herein, or attached and incorporated and made a part hereof,

IT IS MUTUALLY AGREED AS FOLLOWS:

I GENERAL

The Federal Highway Administration's Federal-Aid Highway Program Manual Volume 1, Chapter 4, Section 4 (PPM 30-4) and amendments thereto, determine and establish the definitions and applicable standards for this Agreement and payment hereunder, and by this reference are incorporated hereby and made a part of this Agreement for all intents and purposes as if fully set forth herein.

This Agreement generally describes the work as outlined in the CITY's feasibility studies required by preliminary engineering Agreements GC 6027, GC 6028, GC 6029, GC 6030 and supplements and by this reference these documents, including supplements, are incorporated hereby and made a part of this Agreement for all intents and purposes as if fully set forth herein.

This Agreement further describes the future anticipated utility construction work by logical grouping within geographic areas and the work is identified in Exhibit "A", Specifications and Special Considerations, attached hereto and by this reference made a part of this Agreement.

II TASK ORDERS

The CITY shall not proceed with any portion of the work incorporated in this Agreement until receipt of a fully executed task order document for specific items of work and written authorization to proceed.

Task orders made by the STATE shall be issued in writing by a task order document similar in format to the sample shown as Exhibit "C", attached hereto and by this reference made a part of this Agreement. All task order documents shall include, by reference, the provisions of this Master Agreement.

A separate work order shall be maintained for each task order document.

When the work is to be performed by the CITY the CITY shall furnish the labor, materials, equipment and tools required for and do the work in removing and/or relocating the CITY facilities in accordance with and described in the individual Task Orders.

The appropriate CITY Department Superintendent or Director shall review each task order document and indicate concurrence by signing and returning one copy of the document with original signature to the STATE.

III ESTIMATE OF COST

Exhibit "B", Estimate of Cost, attached hereto and by this reference made a part of this Agreement, describes the approximate total cost for each facility to be relocated or constructed.

IV PAYMENT

The majority of the costs of the work covered under this Agreement is the responsibility of the STATE. A portion of the costs of the work may be the responsibility of the CITY. Specific payment provisions and financial responsibility for each item of work shall be detailed in the individual task order documents.

An itemized estimate of cost for work to be performed shall be marked Exhibit "B" and made a part of each task order document.

The CITY shall submit a final billing to the STATE within 90 calendar days following completion of the work involved under a task order.

The STATE, in consideration of the faithful performance of the work to be done by the CITY, agrees to pay the CITY actual direct and related indirect costs accumulated in accordance with a work order accounting procedure prescribed by the Division of Municipal Corporations of the State Auditor's Office.

Partial payments may be made upon request of the CITY to cover costs incurred, and are not to be more frequent than one per month. It is agreed that payment of any partial claim will not constitute agreement as to the appropriateness of any item, and that at the time of final audit, all required adjustments will be made and reflected in a final payment. In the event that such final audit reveals an overpayment or underpayment by either party, the parties agree to make such adjustment as required by the final audit.

During the progress of construction and for a period not less than 3 years from the date of final payment to the CITY for specific task order work, the records and accounts pertaining to the construction, reconstruction, relocation and/or removal of the CITY's facilities and accounting therefor are to be kept available for inspection and audit by representatives of the STATE and the Federal Highway Administration, and copies of all records, accounts, documents or other data pertaining thereto will be furnished upon request.

V AUTHORITY TO BEGIN WORK AND SCHEDULE OF WORK

The CITY agrees to schedule the work herein referred to and perform said work in such manner as not to delay the STATE contractor in the performance of his contract.

The CITY agrees not to commence work until receipt of notice to begin work, in writing, by the STATE and that reimbursement will be limited to those costs incurred subsequent to the date of such notification.

VI EXTRA WORK

In the event unforeseen conditions require a change in scope of work or an increase in the cost of 25 percent or more which is to be accomplished in connection with the facility adjustments herein proposed, the individual task order document will be modified by an additional task order document covering the increase.

In the event it is determined that any change from the statement of work contained in the task order document is required approval must be secured from the STATE prior to beginning of such work. Where the change is substantial written approval must be secured.

Reimbursement for increased work and/or a substantial change in the statement of work shall be limited to costs covered by a modification of the task order document or a written change, or extra work order approved by the STATE.

VII WORK BY CONTRACT

It is acknowledged that the CITY may not be adequately staffed or equipped to perform all the work required hereby, and that all or part of the same may be done by a contract let by the CITY or by inclusion in a contract let by the STATE. The CITY agrees that it shall not advertise or solicit bids for contract work until

authorized to do so in writing by the STATE. It is further agreed that the CITY must receive written approval of the bids and contractor prior to awarding the contract.

If the CITY enters into a contract or agreement with a contractor to perform the work provided herein to be performed by the CITY, the CITY for itself, its assigns and its successors in interest, agrees that it will not discriminate on the basis of race, color, sex or national origin in its choice of contractors and will include, in any such contract or agreement, all of the nondiscrimination provisions set forth in Exhibit "D", attached hereto and by this reference made a part of this Agreement.

VIII INSPECTION AND ACCEPTANCE

All of the CITY's construction operations, as provided under this Agreement and the individual task order documents, shall be subject to inspection by the STATE.

Final acceptance of the work shall be by payment of the final and complete itemized billing for each task order document certifying that all the work has been done and upon approval of the District Administrator.

IX SALVAGE

All material removed by the CITY shall be reclaimed or disposed of by the CITY and shall be credited to the STATE in accordance with PPM 30-4. The CITY shall furnish written notice to the STATE for the time and place the materials will be available for inspection. An estimate of salvage credit, if any, shall be included in the task order estimate of cost.

X BETTERMENTS

The adjustment of the CITY facilities, as required herein, may constitute a betterment as defined in PPM 30-4. Betterment credit, if any, shall be reflected in the task order estimate of cost.

XI EXPIRED SERVICE LIFE

Adjustment of the CITY facilities may involve a credit due for the value of the expired service life of the facility being replaced and this value, if any, shall be included in the task order estimate of cost.

XII COMPLIANCE

The CITY agrees to comply with all applicable requirements of the Utilities Accommodation Policy, Chapter 468-34 WAC, and amendments thereto, with respect to all facilities currently being removed and/or relocated under this Agreement. The policy and amendments are hereby incorporated in and made a part of this Agreement for all intents and purposes as if fully set forth herein.

The CITY and the STATE shall enter into a common use agreement or easement document for perpetuating the existing property rights of the CITY. This document shall provide for joint occupancy of highway right-of-way and shall define the existing and future rights of the CITY with respect to relocation of existing facilities. Each document shall be processed at the same time as the task order. Each document shall cover those facilities included in the respective task order.

XIII DISCONNECT AND REMOVAL

When it has been determined that CITY facilities, or portions thereof, will be removed by the STATE contractor, the salvage section of this agreement does not apply.

Upon disconnection of these facilities located within the limits of the State project, the facilities shown on the task order exhibit to be removed at STATE expense shall be removed by the STATE contractor. Upon disconnection the STATE shall assume full responsibility for and disposition of the above mentioned facilities. It is agreed that the material to be removed by the STATE contractor shall have no salvage value to the CITY.

XIV LEGAL RELATIONS

For work to be performed by CITY forces or a contract advertised and administered by the CITY, the CITY agrees to hold the STATE harmless from any and all costs, claims, demands and obligations of whatsoever nature arising by reason of this Agreement on the part of the CITY.

No liability shall attach to the STATE by reason of entering into this Agreement except as expressly provided herein.

Upon completion of the work outlined herein, unless otherwise specified, all future operation and maintenance of the facilities shall be at the sole cost of the CITY and without expense to the STATE.

IN WITNESS WHEREOF, the parties have executed this Agreement as of the day and year first above written.

ATTEST

Date: August 4, 1983
By: [Signature]
City Comptroller

CITY OF SEATTLE
By: [Signature]
Charles Royer, Mayor
Date: 8-4-83

APPROVED AS TO FORM

Date: April 1, 1983
By: [Signature]
Assistant Attorney General

STATE OF WASHINGTON
DEPARTMENT OF TRANSPORTATION
By: [Signature]
Title: PROJECT DEVELOPMENT ENGINEER

EXHIBIT "A"

SPECIFICATIONS AND SPECIAL CONSIDERATIONS

The work proposed under this Agreement contemplates the construction of CITY utility facilities in the SR 90 corridor from Interstate 5 to West Shore Mercer Island as described in the following:

1.0 INTERSTATE 5 TO CORWIN PLACE SOUTH

1.1 WATER

- 1.1.1 42 inch Cedar River pipeline No. 1
- 1.1.2 42 inch Cedar River pipeline No. 1, 9 foot diameter reinforced concrete culvert crossing SR 90 at approximate Highway Engineers' Station (HES) LR 30+00
- 1.1.3 8 inch waterline with pressure reducing valve in Golf-Sturgus Street
- 1.1.4 16 inch waterline in Sturgus Avenue South from South Judkins Street to 17th Avenue South; thence easterly on South Massachusetts Street to 18th Avenue South
- 1.1.5 8 inch waterline loop approximately 300 feet south of South Atlantic Street between 18th and 19th Avenues
- 1.1.6 8 inch waterline loop approximately 200 feet south of South Atlantic Street between Valentine Place South and Rainier Avenue South
- 1.1.7 Jct. SR 5 to West Shore Lake Washington, fire control
- 1.1.8 17th Avenue South and South Atlantic Street reconstruction
- 1.1.9 Alley north of South Atlantic Street and west of 17th Avenue South reconstruction

1.2 SEWER

- 1.2.1 Golf-Sturgus roadway, near 12th Avenue South
- 1.2.2 Golf-Sturgus-Rainier Avenue South, 18-24 inch sanitary sewer
- 1.2.3 Golf-Sturgus-Rainier Avenue South, 18-24 inch storm sewer

1.3 POWER

- 1.3.1 Modifications for local streets

2.0 MARTIN LUTHER KING JR. WAY SOUTH

2.1 WATER

- 2.1.1 8 inch waterline in South Norman Street from 26th Avenue South to Martin Luther King Jr. Way South

2.0 MARTIN LUTHER KING JR. WAY SOUTH (continued)

- 2.1.2 8 inch waterline loop on 26th Avenue South between South Irving Street and South Judkins Street
- 2.1.3 8 inch waterline in South Massachusetts Street between Bradner Place South and Yakima Avenue South
- 2.1.4 8 inch waterline in South Massachusetts Street between 26th Avenue South and Bradner Place South
- 2.1.5 8 inch waterline on Bradner Place South between South Massachusetts Street and South Atlantic Street
- 2.1.6 8 inch waterline loop between 35th Avenue South and 36th Avenue South, south of SR 90
- 2.1.7 8 inch waterline loop from 100 feet north of South Irving Street on 29th Avenue South; thence easterly to Yakima Avenue South on South Irving Street with a pressure reducing valve
- 2.1.8 8 inch waterline in South Atlantic Street from South Brader Place to 29th Avenue South
- 2.1.9 8 inch waterline loop between 35th Avenue South and Lakeside Avenue South

2.2 SEWER

- 2.2.1 A trunk sanitary sewer from South Judkins Street to South Massachusetts Street near the Martin Luther King Jr. Way South structure alignment
- 2.2.2 A trunk sewerline from Martin Luther King Jr. Way South to 24th Avenue South in South Irving Street
- 2.2.3 8 inch sewerline north of SR 90 from 35th Avenue South to the east
- 2.2.4 12 inch sewerline south of SR 90 from 35th Avenue South to the east
- 2.2.5 A sewerline from South Atlantic Street to Massachusetts Street between Yakima Avenue South and Martin Luther King Jr. Way South
- 2.2.6 A storm detention system near South Massachusetts Street and Martin Luther King Jr. Way South
- 2.2.7 A storm sewer system to be placed parallel to Martin Luther King Jr. Way South
- 2.2.8 18 inch permanent trunk sewerline from 29th Avenue South to Martin Luther King Jr. Way South on South Irving Street
- 2.2.9 Sewer to the first alley north of South Irving Street on 26th Avenue South
- 2.2.10 Construction of street intersections, 24th Avenue South and South Irving Street, 26th Avenue South and South Irving Street, 29th Avenue South and South Irving Street, Yakima Avenue South and South Irving Street
- 2.2.11 28th Avenue south cul-de-sac
- 2.2.12 Bradner Place South and South Atlantic Street reconstruction

2.0 MARTIN LUTHER KING JR. WAY SOUTH (continued)

- 2.2.13 Bradner Place South and first alley north of South Irving Street reconstruction
- 2.2.14 South Atlantic Street reconstruction from 25th Avenue South to 26th Avenue South
- 2.2.15 12 inch temporary sewer from 24th Avenue South to Martin Luther King Way South on South Irving Street
- 2.2.16 12 inch sanitary sewer from the north end of the 28th Avenue South cul-de-sac to South Atlantic Street
- 2.2.17 12 inch storm drain from the north end of the 28th Avenue South cul-de-sac to South Atlantic Street
- 2.2.18 12 inch storm sewer on South Atlantic Street from 29th Avenue South to Martin Luther King Way South

2.3 POWER

- 2.3.1 Local street modifications

3.0 SOUTH JUDKINS STREET VICINITY

3.1 WATER

- 3.1.1 8 inch waterline loop in South Judkins Street from 20th Avenue South to 24th Avenue South
- 3.1.2 8 inch waterline in South Bush Place from Davis Place South to Rainier Avenue South
- 3.1.3 8 inch waterline loop in South Atlantic Street from 21st Avenue South to 22nd Avenue South
- 3.1.4 8 inch waterline loop from 20th Avenue South to 23rd Avenue South on South Norman Street
- 3.1.5 South Atlantic Street reconstruction from 21st Avenue South to east of 22nd Avenue South
- 3.1.6 South Bush Place reconstruction from Poplar Place South to alley east of Poplar Place South

3.2 SEWER

- 3.2.1 A trunk sewerline from 23rd Avenue South to Rainier Avenue South on South Judkins Street
- 3.2.2 A trunk sewer from 23rd Avenue South to 21st Avenue South on South Norman Street - also from Norman Street to South Charles Street in an alley between 23rd Avenue South and 21st Avenue South and including the storm system in the same area

3.0 SOUTH JUDKINS STREET VICINITY (continued)

3.2.3 Construct South Judkins Street in conjunction with utility relocations

3.2.4 Temporary shoefly sewer at South Day Street and 23rd Avenue South during STATE construction of temporary 23rd Avenue South roadway

3.3 POWER

3.3.1 Local street modifications

4.0 RAINIER AVENUE SOUTH VICINITY

4.1 WATER

4.1.1 54 inch waterline located approximately 100 feet south of South Atlantic Street from 18th Avenue South to Rainier Avenue South; thence northerly to South Bush Place

4.1.2 66 inch waterline approximately 100 feet south of South Atlantic Street from Valentine Place South to Rainier Avenue South; thence northerly to Hiawatha Place South and South Day Street easterly of Rainier Avenue South

4.1.3 66 inch isolation valve(s)

4.1.4 54 inch isolation valve(s)

4.1.5 Reinforced concrete culvert(s) for a 54 inch waterline and 230 KV power system

4.1.6 Existing 54 inch water main support

4.1.7 Foundation soil stabilization or soil treatments prior to the relocation of the 54 inch and 66 inch Cedar River water mains and also 230 KV oil filled power carrier and cables for circuits Number 1 and Number 2 in the vicinity of Rainier Avenue South

4.1.8 Temporary Lake Way bridge support to provide early utility construction space

4.1.9 Hiawatha Place South paving and South Charles Street reconstruction and reconstruction of cul-de-sac at the intersection of Hiawatha Place South and South Judkins Street

4.1.10 18th Avenue South and 19th Avenue South and Valentine Place South cul-de-sac construction

4.1.11 Reinforced concrete culvert for a 66 inch waterline and a 230 KV power system

4.1.12 A 24 inch water main reconstruction in Rainier Avenue South

4.2 SEWER

4.2.1 Strutting of 84 inch storm drain

4.2.2 Transition 75 foot cylinder to box configuration for low overhead section of 84 inch storm drain in vicinity of South Atlantic Street

4.0 RAINIER AVENUE SOUTH VICINITY (continued)

- 4.2.3 84 inch storm drain trunk from South Bush Place to South Atlantic Street in Rainier Avenue South
- 4.2.4 Storm detention system near Rainier Avenue South, north of SR 90
- 4.2.5 Storm sewer system connecting to the storm detention pond at Rainier Avenue South
- 4.2.6 Temporary sewer from 20th Avenue South to Rainier Avenue South, located south south of the permanent sewer
- 4.2.7 South Judkins Street storm sewer from Rainier Avenue South to 24th Avenue South
- 4.2.8 60 inch sanitary sewer reconstruction in Rainier Avenue South
- 4.2.9 Instrumentation and/or video inspection

4.3 POWER TRANSMISSION

- 4.3.1 230 KV oil filled underground cable, circuit No. 1 South Massachusetts Street to South Bush Place (19th Avenue South)
- 4.3.2 230 KV oil filled underground cable, circuit No. 2 South Massachusetts Street to South Bush Place (20th-21st Avenue South)
- 4.3.3 Order 230 KV cable materials

4.4 POWER DISTRIBUTION

- 4.4.1 26 - 4 KV overhead local feeders and 26 KV underground relocation

5.0 OTHER AREAS

5.1 WATER

- 5.1.1 Gate valve at South Charles Street and Poplar Place South
- 5.1.2 8 inch waterline loop in South Bush Place from Rainier Avenue South to Poplar Place South
- 5.1.3 8 inch waterline in 23rd Avenue South structure
- 5.1.4 8 inch waterline in Martin Luther King Jr. Way South
- 5.1.5 8 inch waterline in South Massachusetts Street between Bradner Place South and 26th Avenue South
- 5.1.6 35th Avenue South and South Irving Street reconstruction
- 5.1.7 35th Avenue South cul-de-sac
- 5.1.8 8 inch water main loop between Valentine Place South and Rainier Avenue South, located south of South Atlantic Street

5.0 OTHER AREAS (continued)

5.2 SEWER

5.2.1 Blank

5.3 POWER

5.3.1 Local street modifications

6.0 MISCELLANEOUS

(Items not specifically identified at the time of execution of this document)

EXHIBIT "B"
ESTIMATE OF COST

A majority of the following costs were estimated in the "SR 90 - Seattle Utility Relocation Study - Water Mains - Combined Sewer - Storm Drains; Volume I Text and Tables", and are recorded therein. The costs listed include the contract amount and 20 percent construction engineering. The estimates are based on 1981 costs with an Engineering News Record Index (CCI) for Seattle of 4080.

1.0 INTERSTATE 5 TO CORWIN PLACE SOUTH

	<u>COST</u>	<u>AMOUNT</u>
1.1 <u>WATER</u>		
1.1.1	\$ 181,000	
1.1.2	827,000	
1.1.3	94,000	
1.1.4	217,000	
1.1.5	26,400	
1.1.6	17,600	
1.1.7	350,000	
1.1.8	29,000	
1.1.9	<u>30,000</u>	
Sub Total		\$1,772,000
1.2 <u>SEWER</u>		
1.2.1	\$ 150,000	
1.2.2	986,000	
1.2.3	<u>462,000</u>	
Sub Total		1,598,000

1.0 INTERSTATE 5 TO CORWIN PLACE SOUTH (continued)

	<u>COST</u>	<u>AMOUNT</u>
1.3 <u>POWER</u>		
1.3.1	\$ 5,367	
Sub Total		<u>5,367</u>
SUB TOTAL - 1.0		\$ 3,375,367

2.0 MARTIN LUTHER KING JR. WAY SOUTH

2.1 WATER

2.1.1	\$ 48,000	
2.1.2	48,000	
2.1.3	25,200	
2.1.4	83,000	
2.1.5	20,000	
2.1.6	36,000	
2.1.7	63,000	
2.1.8	23,000	
2.1.9	<u>129,000</u>	
Sub Total		\$ 475,200

2.2 SEWER

2.2.1	\$ 474,000
2.2.2	252,000
2.2.3	55,000
2.2.4	26,000
2.2.5	258,000
2.2.6	357,000
2.2.7	794,000
2.2.8	101,349
2.2.9	379,000
2.2.10	122,000
2.2.11	32,000
2.2.12	48,000

2.0 MARTIN LUTHER KING JR. WAY SOUTH (continued)

	<u>COST</u>	<u>AMOUNT</u>
2.2.13	18,000	
2.2.14	101,000	
2.2.15	252,000	
2.2.16	22,300	
2.2.17	22,300	
2.2.18	<u>72,500</u>	
Sub Total		3,386,449

2.3 POWER

2.3.1	<u>\$ 37,567</u>	
Sub Total		<u>37,567</u>
SUB TOTAL - 2.0		3,899,216

3.0 SOUTH JUDKINS STREET VICINITY

3.1 WATER

3.1.1	\$ 100,000	
3.1.2	84,000	
3.1.3	25,000	
3.1.4	227,000	
3.1.5	65,000	
3.1.6	<u>52,000</u>	
Sub Total		\$ 553,000

3.2 SEWER

3.2.1	\$ 382,000	
3.2.2	746,000	
3.2.3	925,000	
3.2.4	<u>27,000</u>	
Sub Total		2,080,000

3.0 SOUTH JUDKINS STREET VICINITY (continued)

	<u>COST</u>	<u>AMOUNT</u>
3.3 <u>POWER</u>		
3.3.1	\$ 37,567	
Sub Total		<u>37,567</u>
SUB TOTAL - 3.0		2,670,567

4.0 RAINIER AVENUE SOUTH VICINITY

4.1 <u>WATER</u>		
4.1.1	\$1,042,000	
4.1.2	664,000	
4.1.3	185,000	
4.1.4	141,000	
4.1.5	1,681,000	
4.1.6	600,000	
4.1.7	500,000	
4.1.8	240,000	
4.1.9	519,000	
4.1.10	83,000	
4.1.11	2,029,000	
4.1.12	<u>288,000</u>	
Sub Total		\$ 7,972,000

4.2 <u>SEWER</u>		
4.2.1	\$ 40,000	
4.2.2	240,000	
4.2.3	1,470,000	
4.2.4	357,000	
4.2.5	460,000	
4.2.6	72,000	
4.2.7	446,000	
4.2.8	300,000	
4.2.9	<u>185,000</u>	
Sub Total		3,570,000

4.0 RAINIER AVENUE SOUTH VICINITY (continued)

	<u>COST</u>	<u>AMOUNT</u>
4.3 <u>POWER TRANSMISSION</u>		
4.3.1	\$ 261,260	
4.3.2	140,678	
4.3.3	<u>411,750</u>	
Sub Total		813,688
4.4 <u>POWER DISTRIBUTION</u>		
4.4.1	<u>\$ 13,834</u>	
Sub Total		<u>13,834</u>
SUB TOTAL - 4.0		12,369,522
<u>5.0 OTHER AREAS</u>		
5.1 <u>WATER</u>		
5.1.1	\$ 11,000	
5.1.2	42,000	
5.1.3	142,000	
5.1.4	154,000	
5.1.5	99,600	
5.1.6	30,000	
5.1.7	44,000	
5.1.8	<u>52,500</u>	
Sub Total		\$ 575,100
5.2 <u>SEWER</u>		
5.2.1	-----	
5.3 <u>POWER</u>		
5.3.1	<u>\$ 13,000</u>	
Sub Total		<u>13,000</u>
SUB TOTAL - 5.0		<u>588,100</u>
TOTAL		<u>\$22,902,772</u>

SUMMARY

1.0 Interstate 5 to Corwin Place South	\$ 3,375,367
2.0 Martin Luther King Jr. Way South	3,899,216
3.0 South Judkins Street Vicinity	2,670,567
4.0 Rainier Avenue South Vicinity	12,369,522
5.0 Other Areas	<u>588,100</u>
TOTAL	<u>\$22,902,772</u>

EXHIBIT "C"

AGREEMENT GC 7263

TASK ORDER NO. _____

This Task Order, made and entered into this _____ day of _____, 19____, between the STATE OF WASHINGTON, DEPARTMENT OF TRANSPORTATION, hereinafter referred to as the "STATE", and the CITY OF SEATTLE, hereinafter referred to as the "CITY";

WHEREAS, Master Agreement GC 7263, entered into between the STATE and the CITY on _____, 1983, is incorporated and by this reference made a part of this Task Order as if fully set forth herein.

NOW THEREFORE, it is mutually agreed as follows:

1. The work proposed under this Task Order contemplates the removal, adjustment and/or relocation of certain facilities as described in the Master Agreement under items _____ (FILE IN) _____.
2. Work to be performed by the STATE:
(List in detail sufficient information to allow comparison between task order estimate and exhibit showing proposed work, e.g., location of work, types and sizes of major items of materials to be removed, relocated or constructed. If no work is to be performed by the STATE enter "NONE".)
3. Work to be performed by the CITY:
(List in detail sufficient information to allow comparison between task order estimate and exhibit showing proposed work, e.g., location of work, types and sizes of major items of materials to be removed, relocated or constructed. If no work is to be performed by the CITY enter "NONE".)
4. Exhibit "A", Specifications and Special Considerations, and Exhibit "B", Estimate of Cost, are attached hereto and by this reference made a part of this Task Order.
5. The CITY contract plans and special provisions for the itemized work in this Task Order are by this reference incorporated and made a part of this Task Order for all intents and purposes as if fully set forth herein.

OR

It is deemed to be in the best public interest for the STATE to include the necessary items of work for relocating and constructing the CITY facilities in the STATE construction contract proposed for the improvements of _____
(FILL IN)

The CITY hereby approves the plans and specifications for the accomplishment of the described adjustment and agrees, upon the satisfactory completion of the work involved, to deliver a letter of acceptance of the completed work which shall include a release and waiver of all future claims or demands of any nature resulting from the performance of the work under this Task Order.

- 6. Financial responsibility:
(Relate to the items of work listed under Sections 2 and 3 above.)
- 7. Payment under this Task Order will be made on actual direct and related indirect costs in accordance with Section IV, PAYMENT, of the Master Agreement.
- 8. Miscellaneous:
(Additional items, clauses, conditions, provisions, etc. that are not inconsistent with the Master Agreement.)

IN WITNESS WHEREOF, the parties hereto have executed this Task Order as of the day and year first above written.

CITY OF SEATTLE
By: _____
Department Head
Date: _____

STATE OF WASHINGTON
DEPARTMENT OF TRANSPORTATION
By: _____
Title: _____

EXHIBIT "D"

CONTRACT PROVISIONS - EQUAL OPPORTUNITY

During the performance of this contract, the contractor, for itself, its assignees and successors in interest (hereinafter referred to as the "contractor"), agrees as follows:

- a. **Compliance With Regulations:** The contractor shall comply with the Regulations relative to non-discrimination in federally-assisted programs of the Department of Transportation, Title 49, Code of Federal Regulations, Part 21, as they may be amended from time to time, (hereinafter referred to as the Regulations), which are herein incorporated by reference and made a part of this contract.
- b. **Nondiscrimination:** The contractor, with regard to the work performed by it during the contract, shall not discriminate on the grounds of race, color, sex or national origin in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The contractor shall not participate either directly or indirectly in the discrimination prohibited by section 21.5 of the Regulations, including employment practices when the contract covers a program set forth in Appendix B of the Regulations.
- c. **Solicitations for Subcontracts, Including Procurements of Materials and Equipment:** In all solicitations either by competitive bidding or negotiation made by the contractor for work to be performed under a subcontract, including procurements of materials or leases of equipment, each potential subcontractor or supplier shall be notified by the contractor of the contractor's obligations under this contract and the Regulations relative to nondiscrimination on the grounds of race, color, sex or national origin.
- d. **Information and Reports:** The contractor shall provide all information and reports required by the Regulations, or directives issued pursuant thereto, and shall permit access to its books, records, accounts, other sources of information and its facilities as may be determined by the State highway department or the Federal Highway Administration to be pertinent to ascertain compliance with such Regulations or directives. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish this information the contractor shall so certify to the State highway department, or the Federal Highway Administration as appropriate, and shall set forth what efforts it has made to obtain the information.
- e. **Sanctions for Noncompliance:** In the event of the contractor's noncompliance with the nondiscrimination provisions of this contract, the State highway department shall impose such contract sanctions as it or the Federal Highway Administration may determine to be appropriate, including, but not limited to:
 - (1) withholding of payments to the contractor under the

contract until the contractor complies, and/or

- (2) cancellation, termination or suspension of the contract, in whole or in part.

f. Incorporation of Provisions:

The contractor shall include the provisions of paragraphs a. through f. in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Regulations, or directives issued pursuant thereto. The contractor shall take such action with respect to any subcontractor or procurement as the State highway department or the Federal Highway Administration may direct as a means of enforcing such provisions including sanctions for noncompliance: Provided, however, that, in the event a contractor becomes involved in, or is threatened with, litigation with a subcontractor or supplier as a result of such direction, the contractor may request the State highway department to enter into such litigation to protect the interests of the State, and, in addition, the contractor may request the United States to enter into such litigation to protect the interests of the United States.

A G R E E M E N T

GC7365

THIS AGREEMENT, made and entered into this 8th day of August 1983, between the STATE OF WASHINGTON, Department of Transportation acting by and through the Secretary of Transportation, by virtue of RCW 47.12, hereinafter called the "STATE", and SEATTLE CITY LIGHT located at 1015 Third Avenue, Seattle, Washington 98104, hereinafter called the "CITY".

WHEREAS, the STATE is planning the construction or improvement of SR 90, Junction of South Spokane Street to South Royal Brougham Way and Fourth Avenue South to Junction of SR 5 and Junction SR 5 to West Shore Mercer Island and in connection therewith it is necessary to remove and/or relocate or construct certain CITY electrical overhead and underground power distribution facilities, and

WHEREAS, the CITY has a compensable interest in its facilities and right-of-way by virtue of being located on city streets or easements and the STATE is obligated to reimburse the CITY for the relocation of these facilities, and

WHEREAS, it will be necessary to do preliminary engineering work for rerouting the power distribution facilities, and

WHEREAS, it is deemed to be in the best public interest for the CITY, as owners of said facilities, to perform the preliminary engineering work.

NOW THEREFORE, in consideration of the terms, conditions, covenants and performance contained herein, or attached and incorporated and made a part hereof,

IT IS MUTUALLY AGREED AS FOLLOWS:

The Federal Highway Administration's Federal-Aid Highway Program Manual 1-4-4 (PPM 30-4), and amendments thereto determine and establish the definitions and applicable standards for this Agreement and payment hereunder, and said manual is incorporated hereby and made a part of this Agreement for all intents and purposes as if fully set forth herein.

Reimbursement, by the STATE for preliminary engineering will be made for actual direct and related indirect costs in accordance with PPM 30-4 and amendments thereto, however, no reimbursement shall be made for work which exceeds the approved estimated cost of \$70,042 without a written supplemental agreement before the additional work

is undertaken. Cost breakdowns are shown on Exhibit "B", and plans are shown on Exhibit "C", both attached hereto and by this reference made a part of this Agreement.

Partial payments may be made upon request of the CITY to cover costs incurred and are not to be more frequent than one per month. It is agreed that payment of any partial claim will not constitute agreement as to the appropriateness of any item, and that at the time of final audit, all required adjustments will be made and reflected in a final payment. In the event that such final audit reveals an overpayment to the CITY, the CITY agrees to refund such overpayment to the STATE.

The CITY shall furnish the labor, materials, equipment and tools required for and do the work in designing and preparing contract plans for the CITY facilities, in accordance with and as described in the specifications and special considerations marked Exhibit "A" attached hereto, and by this reference made a part of this Agreement.

The CITY agrees that no compensable performance shall begin until authorized, in writing, by the STATE.

It is acknowledged that the CITY may not be adequately staffed or equipped to perform all the work required hereby, and that all or part of the same may be done by a CITY consultant. The CITY agrees that it shall not advertise or solicit bids for a consultant until authorized to do so, in writing, by the STATE.

If the CITY enters into a contract or agreement with a consultant to perform the work provided herein to be performed by the CITY, the CITY itself, its assigns and successors in interest, agrees that it will not discriminate on the basis of race, color, sex or national origin in its choice of contractors and will include all of the nondiscrimination provisions set forth in Exhibit "D", attached hereto and by this reference made a part of this Agreement.

The CITY must receive written approval from the STATE prior to employing a consultant.

During the progress of the preliminary engineering work and for a period not less than 3 years from the date of the final payment to the CITY the records and accounts pertaining to the project, and accounting therefor, are to be kept available for inspection and audit by the State and/or Federal Government and copies of all records, accounts, documents or other data pertaining to the project will be furnished upon request.

The preliminary engineering work shall be limited to the CITY's electrical overhead and underground power distribution facilities affected by the proposed STATE construction as described herein or as modified by the STATE due to scheduling or cost.

No liability shall attach to the STATE or the CITY by reason of entering into this Agreement except as expressly provided herein.

IN WITNESS WHEREOF, the parties have executed this Agreement as of the day and year first above written.

ATTESTED

Date: August 4, 1983
By: [Signature]
City Comptroller

CITY OF SEATTLE
By: [Signature]
Charles Royer, Mayor

Date: 8-4-83

APPROVED AS TO FORM

DATE: July 19, 1983
BY: [Signature]
Assistant Attorney General

STATE OF WASHINGTON
DEPARTMENT OF TRANSPORTATION
By: [Signature]
Title: PROJECT DEVELOPMENT ENGINEER

EXHIBIT "A"

SPECIFICATIONS AND SPECIAL CONSIDERATIONS

The work proposed under this Agreement contemplates the removal, adjustment and/or relocation of certain facilities as described herein.

WORK TO BE PERFORMED BY THE CITY

- * Perform the preliminary engineering and prepare construction contract documents, if necessary, for the CITY electrical overhead and underground power distribution facilities which will replace, in kind, the facilities in conflict with the STATE improvements.
- * The design shall comply with current design standards. The CITY may use industry standards as contract specifications acceptable to the CITY and STATE. The CITY's design must minimize any deviations to the Utilities Accommodation Policy and notify the STATE as soon as possible of any deviations to the policy.
- * Surveying.
- * Develop base maps for the CITY consultant, if used.
- * Provide all necessary data, if applicable, for determining the credit to the project for the value of the expired service life of the facilities being replaced.
- * Identify any preliminary right-of-way needs including all easement or property acquisition requirements. The CITY is to identify the above needs after the design but prior to drafting contract plans.
- * Write easement descriptions and draft right-of-way drawings.
- * Draft utility corridors required within limited access on STATE right-of-way plan sheets including section where the corridor varies or additional utilities are added to the corridor.
- * Process all legislation for all of the construction related to this design.
- * Determine estimates for construction agreements.
- * Prepare contract duration for scheduling and management of the project (non-construction activities).

The CITY shall provide the STATE with the following:

- * The CITY shall notify the STATE of any need for easement or property acquisition. This notification will be prior to the CITY drafting of the contract plans. The CITY will request a meeting with the STATE as soon as possible to review the right-of-way needs.
- * Schedule periodic review of activities during preparation of contract plans, specifications and cost estimates.
- * Submit five sets of completed PS&E documents.

WORK TO BE PERFORMED BY THE STATE

- * Determine the conflict areas as they occur with STATE scheduling and authorize the CITY to proceed with final design on a selective basis.
- * Review and monitor PS&E preparation.
- * Supply the CITY with all current Seattle transit access roadway data and design features which will assist in the design of the facilities affected by proposed STATE construction.
- * Field stake Seattle transit access right-of-way and roadway alignments and other improvements in the vicinity of the project as needed for design.
- * Provide right-of-way plans as needed.
- * Review all easements or property acquisitions, identified by the CITY, prior to the CITY drafting contract plans. The STATE review will entail an analysis of the proposed routing, the cost of the facility, manpower requirements for property acquisition and whether it will be acquired by CITY or STATE forces. In addition determine whether other alternatives should be explored.
- * Write, process and co-ordinate the construction agreement activities in harmony with STATE activities.

EXHIBIT "B"
ESTIMATE OF COST

The work under this Agreement contemplates the final design of electrical overhead and underground power distribution facilities as described herein. All work proposed under this Agreement will be performed by the CITY or by a consultant employed by the CITY. The CITY shall submit to the STATE, for approval, all scopes of work and agreements prepared by the CITY or engineering firm for employing an engineering consulting firm.

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>1.0 LABOR</u>				
400	Hr.	Associate engineer	\$ 16.23	\$ 6,492
600	Hr.	Design	17.73	10,638
460	Hr.	Plans, specifications & estimate	18.17	8,358
44	Hr.	Survey	37.09	1,632
600	Hr.	Base maps	14.84	8,904
Est.	Dol.	Board of Public Works	1,450.00	1,450
Est.	Dol.	Right-of-way and permits action	<u>200.00</u>	<u>200</u>
		Sub Total		\$ 37,674
		Overhead and Fringe Factor @ 57.5%*		<u>21,663</u>
		Sub Total		\$ 59,337
		Supervision @ 15%		<u>8,901</u>
		Sub Total - 1.0 LABOR		\$ 68,238
 <u>2.0 OTHER COSTS</u>				
Est.	Dol.	Transportation	<u>\$ 1,804.00</u>	<u>1,804</u>
		TOTAL - 100% STATE COST		<u>\$ 70,042</u>

* Overhead and fringe factor is subject to change. The listed figures are based on February 1983.

EXHIBIT "A"

SPECIFICATIONS AND SPECIAL CONSIDERATIONS

The work proposed under this Agreement contemplates the removal, adjustment and/or relocation of certain facilities as described herein.

WORK TO BE PERFORMED BY THE CITY

Final Design Agreement Phase

- * The CITY or its consultant shall perform the final design and prepare construction contract documents for the CITY sewer and drainage and water mains which will replace, in kind, facilities in conflict with the STATE improvements between the limits of SR 5 to West Shore Mercer Island. The work performed shall also include design of water supply facilities for the fire control system and design of replacement CITY streets. The facilities are indicated in Attachment 1 to Exhibit "A".
- * The design shall comply with current design standards. The CITY may use industry standards as contract specifications acceptable to the CITY and STATE. The CITY's design must minimize any deviations to the Utilities Accommodation Policy and notify the STATE as soon as possible of any deviations to the policy.
- * Surveying.
- * Develop base maps for the CITY consultant, if used.
- * The CITY shall provide all necessary data, if applicable, for determining the credit to the project for the value of the expired service life of the facilities being replaced.
- * The CITY will identify any preliminary right-of-way needs including all easement or property acquisition requirements. The CITY is to identify the above needs after the design but prior to drafting contract plans.
- * Write easement descriptions and draft right-of-way drawings.
- * Draft utility corridors required within limited access on STATE right-of-way plan sheets including section where the corridor varies or additional utilities are added to the corridor.
- * All legislation for all of the construction related to this design.

Reimbursement, by the STATE, for the final design will be made for actual direct and related indirect costs in accordance with PPM 30-4, and amendments thereto. The total estimated cost of \$2,538,368 cannot be exceeded without a written supplemental agreement before the additional work is undertaken. Cost breakdowns are shown on Exhibit "B", and plans are shown on Exhibit "C", both attached hereto and by this reference made a part of this Agreement.

Partial payments may be made upon the request of the CITY to cover costs incurred, and are not to be more frequent than one per month. It is agreed that payment of any partial claim will not constitute agreement as to the appropriateness of any item and that at the time of final audit, all required adjustments will be made and reflected in the final payment. In the event that such final audit reveals an overpayment to the CITY, the CITY agrees to refund such overpayment to the STATE.

The CITY shall furnish the labor, materials, equipment and tools required for and do the work in designing and preparing contract plans for the CITY facilities, in accordance with and as described in the specifications and special considerations marked Exhibit "A", attached hereto and by this reference made a part of this Agreement.

The CITY agrees that no compensable performance shall begin until authorized, in writing, by the STATE. The letters of authorization shall specify by reference number which specific items of work, listed in Exhibit "A", the City is to proceed with, on preliminary engineering design.

It is acknowledged that the CITY may not be adequately staffed or equipped to perform all of the work required hereby and that all or part of the same may be done by CITY consultant. The CITY agrees that it shall not advertise or solicit bids for a consultant until authorized to do so in writing by the STATE.

If the CITY enters into a contract or agreement with a consultant to perform the work provided herein, the CITY itself, its assigns and successors in interest, agrees that it will not discriminate on the basis of race, color, sex or national origin in its choice of consultants and will include all of the nondiscrimination provisions set forth in Exhibit "D", attached hereto and made a part hereof, in any such contract or agreement.

The CITY must receive written approval from the STATE prior to employing a consultant.

EXHIBIT "A"

ATTACHMENT 1

The work under this Agreement contemplates the final design of sewer and drainage, water mains, fire control systems and streets as described herein. All work proposed under this Agreement will be performed by the CITY or by a consultant employed by the CITY. The CITY shall submit to the STATE, for approval, all scopes of work and agreements prepared by the CITY or engineering firm for employing and engineering consulting firm.

ENGINEERING BY CITY FORCES

MASTER CONSTRUCTION
AGREEMENT REFERENCE
NUMBER

DESCRIPTION

1.1.7	Jct. SR 5 to West Shore Lake Washington, fire control
1.1.8	17th Avenue South and South Atlantic Street reconstruction
1.1.9	First alley north of South Atlantic Street, west of 17th Avenue South reconstruction
1.2.3	Golf-Sturgus-Rainier Avenue South, 18-24 inch storm sewer
2.1.1	8 inch waterline in South Norman Street from 26th Avenue South to Martin Luther King Jr. Way South
2.1.8	8 inch waterline in South Atlantic Street from South Bradner Place to 29th Avenue South
2.2.6	A storm detention system near South Massachusetts Street and Martin Luther King Jr. Way South
2.2.7	A storm sewer system to be placed parallel to Martin Luther King Jr. Way South
2.2.10	Construction of intersections: 24th Avenue South and South Irving Street; 26th Avenue South and South Irving Street; 29th Avenue South and South Irving Street; Yakima Avenue South and South Irving Street
2.2.11	28th Avenue South cul-de-sac
2.2.12	Bradner Place South and South Atlantic Street reconstruction
2.2.13	Bradner Place South and first alley north of South Irving Street reconstruction

During the performance of preliminary engineering and construction and for a period not less than 3 years from the date of final payment to the CITY the records and accounts pertaining to the project, and accounting therefor, are to be kept available for inspection and audit by the State and/or Federal Government and copies of all records, accounts, documents or other data pertaining to the project will be furnished upon request.

The final design shall be limited to the CITY's sewer and drainage, water mains, fire control systems and streets affected by the proposed STATE construction and in accordance with the phasing as described herein or as modified by the STATE due to scheduling or cost.

The items of work described in Exhibit "A" are only estimates of design work required. Items may be deleted, as design progresses under previous authorizations, when it is determined certain work may not be required. Also, it may be determined, at a later date, that certain street design and reconstruction work shall not be performed by the CITY.

No liability shall be attached to the STATE or the CITY by reason of entering into this Agreement except as expressly provided herein.

IN WITNESS WHEREOF, the parties have executed this Agreement as of the day and year first above written.

ATTEST

Date: August 4, 1983

By: [Signature]
City Comptroller

CITY OF SEATTLE
By: [Signature]
Charles Royer, Mayor

Date: 8 - 4 - 83

APPROVED AS TO FORM

Date: 4-13-83

By: [Signature]
Assistant Attorney General

STATE OF WASHINGTON
DEPARTMENT OF TRANSPORTATION
By: [Signature]
Title: PROJECT DEVELOPMENT ENGINEER

<u>MASTER CONSTRUCTION AGREEMENT REFERENCE NUMBER</u>	<u>DESCRIPTION</u>
2.2.14	South Atlantic Street reconstruction from 25th Avenue South to 26th Avenue South street
2.2.15	12 inch temporary sewer from 24th Avenue South to Martin Luther King Jr. Way South on South Irving Street
2.2.16	12 inch sanitary sewer from the north end of the 28th Avenue South cul-de-sac to South Atlantic Street
2.2.17	12 inch storm drain from the north end of the 28th Avenue South cul-de-sac to South Atlantic Street
2.2.18	12 inch storm sewer on South Atlantic Street from 29th Avenue South to Martin Luther King Jr. Way South
3.1.4	8 inch waterline loop from 20th Avenue South to 23rd Avenue South on South Norman Street
3.1.5	South Atlantic Street reconstruction from 21st Avenue South to east of 22nd Avenue South
3.1.6	South Bush Street reconstruction from Poplar Place South to alley east of Poplar Place South
3.2.3	South Judkins Street design
3.2.4	Temporary shoefly sewer at South Day Street and 23rd Avenue South during State construction of temporary 23rd Avenue South roadway
4.1.6	Existing 54 inch water main support
4.1.7	Foundation soil stabilization or soil treatments prior to the relocation of the 54 inch and 66 inch Cedar River water mains and also 230 KV oil filled power carrier and cables for circuits Number 1 and Number 2 in the vicinity of Rainier Avenue South
4.1.9	Hiawatha Place South paving and South Charles Street reconstruction and reconstruction of cul-de-sac at the intersection of Hiawatha Place South and South Judkins Street
4.1.10	18th Avenue South and 19th Avenue South and Valentine Place South cul-de-sac design
4.1.11	Reinforced concrete culvert for 66 inch waterline and 230 KV power system
4.1.12	A 24 inch water main reconstruction in Rainier Avenue South

<u>MASTER CONSTRUCTION AGREEMENT REFERENCE NUMBER</u>	<u>DESCRIPTION</u>
4.2.2	Transition 75 foot cylinder to box configuration for low overhead section of 84 inch storm drain in vicinity of South Atlantic Street
4.2.4	Storm detention system near Rainier Avenue South north of SR 90 at the South Lake Way structures
4.2.5	Storm sewer system connecting to the storm detention pond at Rainier Avenue South
4.2.6	Temporary sewer from 20th Avenue South to Rainier Avenue South, located south of the permanent sewer
4.2.7	South Judkins Street storm sewer from Rainier Avenue South to 24th Avenue South
4.2.8	60 inch sanitary sewer reconstruction in Rainier Avenue South
4.2.9	Instrumentation, reviews, reports and design
5.1.6	35th Avenue South and South Irving Street reconstruction
5.1.7	35th Avenue South cul-de-sac
5.1.8	8 inch water main loop between Valentine Place South and Rainier Avenue South, located south of South Atlantic Street

EXHIBIT "B"
ESTIMATE OF COST

The noted City of Seattle engineering labor classifications and the hourly rate are used for the basis of payment for engineering activities described in the agreement classification rates and reflect the period beginning September 1982. The overhead rates are subject to change.

The following preliminary engineering final design cost estimates are 100 percent STATE cost and are rounded to the nearest whole dollar.

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>REFERENCE NUMBER 1.1.7</u>				
<u>ENGINEERING DEPARTMENT LABOR</u>				
317	Hr.	Senior civil engineer	\$ 19.42	\$ 6,156
207	Hr.	Senior material engineer	19.42	4,020
577	Hr.	Real property supervisor	17.44	10,063
1161	Hr.	Associate civil engineer	17.31	20,097
924	Hr.	Associate civil engineer specialist	16.33	15,089
1576	Hr.	Assistant civil engineer (III)	16.02	25,248
247	Hr.	Program co-ordinator (I)	12.33	3,046
222	Hr.	Administration specialist (I)	9.10	2,020
135	Hr.	Office assistant	7.53	1,017
287	Hr.	Survey Crew ¹	48.71	13,980
		Sub Total		\$100,736
		Overhead and Fringe Factor @ 73.72%		74,263
		Sub Total		\$174,999
<u>ENGINEERING DEPARTMENT NONLABOR</u>				
		Equipment rental		\$ 3,500
		Auto rental/mileage		3,500
		Reproduction/photography		10,500
		Miscellaneous		3,500
		Sub Total		21,000
		TOTAL 1.1.7 - TOTAL STATE COST		<u>\$195,999</u>

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>REFERENCE NUMBER 1.1.8</u>				
<u>ENGINEERING DEPARTMENT LABOR</u>				
15	Hr.	Senior civil engineer	\$ 19.42	\$ 291
10	Hr.	Senior material engineer	19.42	194
28	Hr.	Real property supervisor	17.44	488
56	Hr.	Associate civil engineer	17.31	969
44	Hr.	Associate civil engineer specialist	16.33	719
76	Hr.	Assistant civil engineer (III)	16.02	1,218
12	Hr.	Program co-ordinator (I)	12.33	148
11	Hr.	Administration specialist (I)	9.10	100
6	Hr.	Office assistant	7.53	45
14	Hr.	Survey Crew ¹	48.71	682
		Sub Total		\$ 4,854
		Overhead and Fringe Factor @ 73.72%		3,578
		Sub Total		\$ 8,432
<u>ENGINEERING DEPARTMENT NONLABOR</u>				
		Equipment rental		\$ 168
		Auto rental/mileage		168
		Reproduction/photography		504
		Miscellaneous		168
		Sub Total		\$ 1,008
		TOTAL 1.1.8 - TOTAL STATE COST		<u>\$ 9,440</u>

(continued)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>REFERENCE NUMBER 1.1.9</u>				
<u>ENGINEERING DEPARTMENT LABOR</u>				
16	Hr.	Senior civil engineer	\$ 19.42	\$ 311
10	Hr.	Senior material engineer	19.42	194
29	Hr.	Real property supervisor	17.44	506
58	Hr.	Associate civil engineer	17.31	1,004
46	Hr.	Associate civil engineer specialist	16.33	751
79	Hr.	Assistant civil engineer (III)	16.02	1,266
12	Hr.	Program co-ordinator (I)	12.33	148
11	Hr.	Administration specialist (I)	9.10	100
7	Hr.	Office assistant	7.53	53
14	Hr.	Survey Crew ¹	48.71	682
			Sub Total	\$ 5,015
			Overhead and Fringe Factor @ 73.72%	3,697
			Sub Total	\$ 8,712
<u>ENGINEERING DEPARTMENT NONLABOR</u>				
			Equipment rental	\$ 175
			Auto rental/mileage	175
			Reproduction/photography	525
			Miscellaneous	175
			Sub Total	1,050
			TOTAL 1.1.9 - TOTAL STATE COST	<u>\$ 9,762</u>

(continued)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>REFERENCE NUMBER 1.2.3</u>				
<u>ENGINEERING DEPARTMENT LABOR</u>				
265	Hr.	Senior civil engineer	\$ 19.42	\$ 5,146
173	Hr.	Senior material engineer	19.42	3,360
481	Hr.	Real property supervisor	17.44	8,389
969	Hr.	Associate civil engineer	17.31	16,773
771	Hr.	Associate civil engineer specialist	16.33	12,590
1315	Hr.	Assistant civil engineer (III)	16.02	21,066
206	Hr.	Program co-ordinator (I)	12.33	2,540
185	Hr.	Administration specialist (I)	9.10	1,684
113	Hr.	Office assistant	7.53	851
240	Hr.	Survey Crew ¹	48.71	11,690
		Sub Total		\$ 84,089
		Overhead and Fringe Factor @ 73.72%		<u>61,990</u>
		Sub Total		\$146,079
<u>ENGINEERING DEPARTMENT NONLABOR</u>				
		Equipment rental		\$ 2,920
		Auto rental/mileage		2,920
		Reproduction/photography		8,760
		Miscellaneous		<u>2,920</u>
		Sub Total		1,520
		TOTAL 1.2.3 - TOTAL STATE COST		<u>\$163,599</u>

(continued)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>REFERENCE NUMBER 2.1.1</u>				
<u>ENGINEERING DEPARTMENT LABOR</u>				
25	Hr.	Senior civil engineer	\$ 19.42	\$ 486
17	Hr.	Senior material engineer	19.42	330
46	Hr.	Real property supervisor	17.44	802
93	Hr.	Associate civil engineer	17.31	1,610
74	Hr.	Associate civil engineer specialist	16.33	1,208
126	Hr.	Assistant civil engineer (III)	16.02	2,019
20	Hr.	Program co-ordinator (I)	12.33	247
18	Hr.	Administration specialist (I)	9.10	164
11	Hr.	Office assistant	7.53	83
23	Hr.	Survey Crew ¹	48.71	1,120
			Sub Total	\$ 8,069
			Overhead and Fringe Factor @ 73.72%	5,948
			Sub Total	\$ 14,017
<u>ENGINEERING DEPARTMENT NONLABOR</u>				
			Equipment rental	\$ 280
			Auto rental/mileage	280
			Reproduction/photography	840
			Miscellaneous	280
			Sub Total	1,680
			TOTAL 2.1.1 - TOTAL STATE COST	<u>\$ 15,697</u>

(continued)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>REFERENCE NUMBER 2.1.8</u>				
<u>ENGINEERING DEPARTMENT LABOR</u>				
10	Hr.	Senior civil engineer	\$ 19.42	\$ 194
7	Hr.	Senior material engineer	19.42	136
19	Hr.	Real property supervisor	17.44	331
38	Hr.	Associate civil engineer	17.31	658
30	Hr.	Associate civil engineer specialist	16.33	490
52	Hr.	Assistant civil engineer (III)	16.02	833
8	Hr.	Program co-ordinator (I)	12.33	99
7	Hr.	Administration specialist (I)	9.10	64
4	Hr.	Office assistant	7.53	30
9	Hr.	Survey Crew ¹	48.71	438
			Sub Total	\$ 3,273
			Overhead and Fringe Factor @ 73.72%	2,413
			Sub Total	\$ 5,686
<u>ENGINEERING DEPARTMENT NONLABOR</u>				
			Equipment rental	\$ 115
			Auto rental/mileage	115
			Reproduction/photography	345
			Miscellaneous	115
			Sub Total	690
			TOTAL 2.1.8 - TOTAL STATE COST	<u>\$ 6,376</u>

(continued)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>REFERENCE NUMBER 2.2.6</u>				
<u>ENGINEERING DEPARTMENT LABOR</u>				
152	Hr.	Senior civil engineer	\$ 19.42	\$ 2,952
99	Hr.	Senior material engineer	19.42	1,923
277	Hr.	Real property supervisor	17.44	4,831
557	Hr.	Associate civil engineer	17.31	9,642
444	Hr.	Associate civil engineer specialist	16.33	7,251
756	Hr.	Assistant civil engineer (III)	16.02	12,111
119	Hr.	Program co-ordinator (I)	12.33	1,467
107	Hr.	Administration specialist (I)	9.10	974
65	Hr.	Office assistant	7.53	489
138	Hr.	Survey Crew ¹	48.71	6,722
		Sub Total		\$ 48,362
		Overhead and Fringe Factor @ 73.72%		35,652
		Sub Total		\$ 84,014
<u>ENGINEERING DEPARTMENT NONLABOR</u>				
		Equipment rental		\$ 1,680
		Auto rental/mileage		1,680
		Reproduction/photography		5,040
		Miscellaneous		1,680
		Sub Total		10,080
		TOTAL 2.2.6 - TOTAL STATE COST		<u>\$ 94,094</u>

(continued)

SEATTLE PRELIMINARY ENGINEERING FINAL DESIGN GC 7260 - 3/7/83

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>REFERENCE NUMBER 2.2.7</u>				
<u>ENGINEERING DEPARTMENT LABOR</u>				
312	Hr.	Senior civil engineer	\$ 19.42	\$ 6,059
204	Hr.	Senior material engineer	19.42	3,962
567	Hr.	Real property supervisor	17.44	9,888
1141	Hr.	Associate civil engineer	17.31	19,751
908	Hr.	Associate civil engineer specialist	16.33	14,828
1549	Hr.	Assistant civil engineer (III)	16.02	24,815
243	Hr.	Program co-ordinator (I)	12.33	2,996
218	Hr.	Administration specialist (I)	9.10	1,984
133	Hr.	Office assistant	7.53	1,001
282	Hr.	Survey Crew ¹	48.71	13,736
Sub Total				\$ 99,020
Overhead and Fringe Factor @ 73.72%				72,998
Sub Total				\$172,018
<u>ENGINEERING DEPARTMENT NONLABOR</u>				
Equipment rental			\$	3,440
Auto rental/mileage				3,440
Reproduction/photography				10,320
Miscellaneous				3,440
Sub Total				20,640
TOTAL 2.2.7 - TOTAL STATE COST				<u>\$192,658</u>

(continued)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>REFERENCE NUMBER 2.2.10</u>				
<u>ENGINEERING DEPARTMENT LABOR</u>				
63	Hr.	Senior civil engineer	\$ 19.42	\$ 1,223
41	Hr.	Senior material engineer	19.42	796
115	Hr.	Real property supervisor	17.44	2,006
232	Hr.	Associate civil engineer	17.31	4,016
185	Hr.	Associate civil engineer specialist	16.33	3,021
315	Hr.	Assistant civil engineer (III)	16.02	5,046
49	Hr.	Program co-ordinator (I)	12.33	604
44	Hr.	Administration specialist (I)	9.10	400
27	Hr.	Office assistant	7.53	203
57	Hr.	Survey Crew ¹	48.71	2,776
Sub Total				\$ 20,091
Overhead and Fringe Factor @ 73.72%				14,811
Sub Total				\$ 34,902
<u>ENGINEERING DEPARTMENT NONLABOR</u>				
Equipment rental			\$	700
Auto rental/mileage				700
Reproduction/photography				2,100
Miscellaneous				700
Sub Total				4,200
TOTAL 2.2.10 - TOTAL STATE COST				<u>\$ 39,102</u>

(continued)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>REFERENCE NUMBER 2.2.11</u>				
<u>ENGINEERING DEPARTMENT LABOR</u>				
16	Hr.	Senior civil engineer	\$ 19.42	\$ 311
11	Hr.	Senior material engineer	19.42	214
30	Hr.	Real property supervisor	17.44	523
60	Hr.	Associate civil engineer	17.31	1,039
48	Hr.	Associate civil engineer specialist	16.33	784
82	Hr.	Assistant civil engineer (III)	16.02	1,314
13	Hr.	Program co-ordinator (I)	12.33	160
12	Hr.	Administration specialist (I)	9.10	109
7	Hr.	Office assistant	7.53	53
15	Hr.	Survey Crew ¹	48.71	731
			Sub Total	\$ 5,238
			Overhead and Fringe Factor @ 73.72%	3,861
			Sub Total	\$ 9,099
<u>ENGINEERING DEPARTMENT NONLABOR</u>				
			Equipment rental	\$ 182
			Auto rental/mileage	182
			Reproduction/photography	546
			Miscellaneous	182
			Sub Total	1,092
			TOTAL 2.2.11 - TOTAL STATE COST	<u>\$ 10,191</u>

(continued)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>REFERENCE NUMBER 2.2.12</u>				
<u>ENGINEERING DEPARTMENT LABOR</u>				
20	Hr.	Senior civil engineer	\$ 19.42	\$ 388
13	Hr.	Senior material engineer	19.42	252
36	Hr.	Real property supervisor	17.44	628
72	Hr.	Associate civil engineer	17.31	1,246
57	Hr.	Associate civil engineer specialist	16.33	930
98	Hr.	Assistant civil engineer (III)	16.02	1,570
15	Hr.	Program co-ordinator (I)	12.33	185
14	Hr.	Administration specialist (I)	9.10	127
8	Hr.	Office assistant	7.53	60
18	Hr.	Survey Crew ¹	48.71	877
		Sub Total		\$ 6,263
		Overhead and Fringe Factor @ 73.72%		4,617
		Sub Total		\$ 10,880
<u>ENGINEERING DEPARTMENT NONLABOR</u>				
		Equipment rental		\$ 217
		Auto rental/mileage		217
		Reproduction/photography		651
		Miscellaneous		217
		Sub Total		1,302
		TOTAL 2.2.12 - TOTAL STATE COST		<u>\$ 12,182</u>

(continued)

SEATTLE PRELIMINARY ENGINEERING FINAL DESIGN GC 7260 - 3/7/83

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>REFERENCE NUMBER 2.2.13</u>				
<u>ENGINEERING DEPARTMENT LABOR</u>				
9	Hr.	Senior civil engineer	\$ 19.42	\$ 175
6	Hr.	Senior material engineer	19.42	117
16	Hr.	Real property supervisor	17.44	279
33	Hr.	Associate civil engineer	17.31	571
26	Hr.	Associate civil engineer specialist	16.33	425
45	Hr.	Assistant civil engineer (III)	16.02	721
7	Hr.	Program co-ordinator (I)	12.33	86
6	Hr.	Administration specialist (I)	9.10	55
4	Hr.	Office assistant	7.53	30
8	Hr.	Survey Crew ¹	48.71	390
			Sub Total	\$ 2,849
			Overhead and Fringe Factor @ 73.72%	2,100
			Sub Total	\$ 4,949
<u>ENGINEERING DEPARTMENT NONLABOR</u>				
			Equipment rental	\$ 100
			Auto rental/mileage	100
			Reproduction/photography	300
			Miscellaneous	300
			Sub Total	600
			TOTAL 2.2.13 - TOTAL STATE COST	<u>\$ 5,549</u>

(continued)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>REFERENCE NUMBER 2.2.14</u>				
<u>ENGINEERING DEPARTMENT LABOR</u>				
54	Hr.	Senior civil engineer	\$ 19.42	\$ 1,049
36	Hr.	Senior material engineer	19.42	699
99	Hr.	Real property supervisor	17.44	1,727
199	Hr.	Associate civil engineer	17.31	3,445
158	Hr.	Associate civil engineer specialist	16.33	2,580
270	Hr.	Assistant civil engineer (III)	16.02	4,325
42	Hr.	Program co-ordinator (I)	12.33	518
38	Hr.	Administration specialist (I)	9.10	346
23	Hr.	Office assistant	7.53	173
49	Hr.	Survey Crew ¹	48.71	2,387
			Sub Total	\$ 17,249
			Overhead and Fringe Factor @ 73.72%	12,716
			Sub Total	\$ 29,965
<u>ENGINEERING DEPARTMENT NONLABOR</u>				
			Equipment rental	\$ 600
			Auto rental/mileage	600
			Reproduction/photography	1,800
			Miscellaneous	600
			Sub Total	3,600
			TOTAL 2.2.14 - TOTAL STATE COST	<u>\$ 33,565</u>

(continued)

SEATTLE PRELIMINARY ENGINEERING FINAL DESIGN GC 7260 - 3/7/83 (Rev. 3/11/83)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>REFERENCE NUMBER 2.2.15</u>				
<u>ENGINEERING DEPARTMENT LABOR</u>				
85	Hr.	Senior civil engineer	\$ 19.42	\$ 1,651
56	Hr.	Senior material engineer	19.42	1,088
155	Hr.	Real property supervisor	17.44	2,703
311	Hr.	Associate civil engineer	17.31	5,383
248	Hr.	Associate civil engineer specialist	16.33	4,050
422	Hr.	Assistant civil engineer (III)	16.02	6,760
66	Hr.	Program co-ordinator (I)	12.33	814
60	Hr.	Administration specialist (I)	9.10	546
36	Hr.	Office assistant	7.53	271
77	Hr.	Survey Crew ¹	48.71	3,751
		Sub Total		\$ 27,017
		Overhead and Fringe Factor @ 73.72%		19,917
		Sub Total		\$ 46,934
<u>ENGINEERING DEPARTMENT NONLABOR</u>				
		Equipment rental		\$ 938
		Auto rental/mileage		937
		Reproduction/photography		2,812
		Miscellaneous		879
		Sub Total		5,566
		TOTAL 2.2.15 - TOTAL STATE COST		<u>\$ 52,500</u>

(continued)

SEATTLE PRELIMINARY ENGINEERING FINAL DESIGN GC 7260 - 3/7/83 (Rev. 3/11/83)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>REFERENCE NUMBER 2.2.16</u>				
<u>ENGINEERING DEPARTMENT LABOR</u>				
10	Hr.	Senior civil engineer	\$ 19.42	\$ 194
7	Hr.	Senior material engineer	19.42	136
18	Hr.	Real property supervisor	17.44	314
37	Hr.	Associate civil engineer	17.31	640
30	Hr.	Associate civil engineer specialist	16.33	490
50	Hr.	Assistant civil engineer (III)	16.02	801
8	Hr.	Program co-ordinator (I)	12.33	99
7	Hr.	Administration specialist (I)	9.10	64
4	Hr.	Office assistant	7.53	30
9	Hr.	Survey Crew ¹	48.71	438
		Sub Total		\$ 3,206
		Overhead and Fringe Factor @ 73.72%		2,363
		Sub Total		\$ 5,569
<u>ENGINEERING DEPARTMENT NONLABOR</u>				
		Equipment rental		\$ 112
		Auto rental/mileage		112
		Reproduction/photography		336
		Miscellaneous		112
		Sub Total		672
		TOTAL 2.2.16 - TOTAL STATE COST		<u>\$ 6,241</u>

(continued)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>REFERENCE NUMBER 2.2.17</u>				
<u>ENGINEERING DEPARTMENT LABOR</u>				
10	Hr.	Senior civil engineer	\$ 19.42	\$ 194
7	Hr.	Senior material engineer	19.42	136
18	Hr.	Real property supervisor	17.44	314
37	Hr.	Associate civil engineer	17.31	640
30	Hr.	Associate civil engineer specialist	16.33	490
50	Hr.	Assistant civil engineer (III)	16.02	801
8	Hr.	Program co-ordinator (I)	12.33	99
7	Hr.	Administration specialist (I)	9.10	64
4	Hr.	Office assistant	7.53	30
9	Hr.	Survey Crew ¹	48.71	438
			Sub Total	\$ 3,206
			Overhead and Fringe Factor @ 73.72%	2,363
			Sub Total	\$ 5,569
<u>ENGINEERING DEPARTMENT NONLABOR</u>				
			Equipment rental	\$ 112
			Auto rental/mileage	112
			Reproduction/photography	336
			Miscellaneous	112
			Sub Total	672
			TOTAL 2.2.17 - TOTAL STATE COST	<u>\$ 6,241</u>

(continued)

SEATTLE PRELIMINARY ENGINEERING FINAL DESIGN GC 7260 - 3/7/83 (Rev. 3/11/83)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>REFERENCE NUMBER 2.2.18</u>				
<u>ENGINEERING DEPARTMENT LABOR</u>				
33	Hr.	Senior civil engineer	\$ 19.42	\$ 641
22	Hr.	Senior material engineer	19.42	427
60	Hr.	Real property supervisor	17.44	1,046
121	Hr.	Associate civil engineer	17.31	2,095
96	Hr.	Associate civil engineer specialist	16.33	1,568
164	Hr.	Assistant civil engineer (III)	16.02	2,627
26	Hr.	Program co-ordinator (I)	12.33	321
23	Hr.	Administration specialist (I)	9.10	209
14	Hr.	Office assistant	7.53	105
30	Hr.	Survey Crew ¹	48.71	1,461
		Sub Total		\$ 10,500
		Overhead and Fringe Factor @ 73.72%		7,741
		Sub Total		\$ 18,241
<u>ENGINEERING DEPARTMENT NONLABOR</u>				
		Equipment rental		\$ 364
		Auto rental/mileage		364
		Reproduction/photography		1,092
		Miscellaneous		364
		Sub Total		2,184
		TOTAL 2.2.18 - TOTAL STATE COST		<u>\$ 20,425</u>

(continued)

SEATTLE PRELIMINARY ENGINEERING FINAL DESIGN GC 7260 - 3/7/83.

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>REFERENCE NUMBER 3.1.4</u>				
<u>ENGINEERING DEPARTMENT LABOR</u>				
86	Hr.	Senior civil engineer	\$ 19.42	\$ 1,670
56	Hr.	Senior material engineer	19.42	1,088
156	Hr.	Real property supervisor	17.44	2,721
314	Hr.	Associate civil engineer	17.31	5,435
250	Hr.	Associate civil engineer specialist	16.33	4,083
462	Hr.	Assistant civil engineer (III)	16.02	6,825
67	Hr.	Program co-ordinator (I)	12.33	826
60	Hr.	Administration specialist (I)	9.10	546
36	Hr.	Office assistant	7.53	271
78	Hr.	Survey Crew ¹	48.71	3,799
Sub Total				\$ 27,264
Overhead and Fringe Factor @ 73.72%				20,099
Sub Total				\$ 47,363
<u>ENGINEERING DEPARTMENT NONLABOR</u>				
Equipment rental			\$	946
Auto rental/mileage				946
Reproduction/photography				2,838
Miscellaneous				946
Sub Total				5,676
TOTAL 3.1.4 - TOTAL STATE COST				<u>\$ 53,039</u>

(continued)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>REFERENCE NUMBER 3.1.5</u>				
<u>ENGINEERING DEPARTMENT LABOR</u>				
34	Hr.	Senior civil engineer	\$ 19.42	\$ 660
22	Hr.	Senior material engineer	19.42	427
62	Hr.	Real property supervisor	17.44	1,081
125	Hr.	Associate civil engineer	17.31	2,164
100	Hr.	Associate civil engineer specialist	16.33	1,633
170	Hr.	Assistant civil engineer (III)	16.02	2,723
27	Hr.	Program co-ordinator (I)	12.33	333
24	Hr.	Administration specialist (I)	9.10	218
15	Hr.	Office assistant	7.53	113
31	Hr.	Survey Crew ¹	48.71	1,510
		Sub Total		\$ 10,862
		Overhead and Fringe Factor @ 73.72%		8,007
		Sub Total		\$ 18,869
<u>ENGINEERING DEPARTMENT NONLABOR</u>				
		Equipment rental		\$ 378
		Auto rental/mileage		378
		Reproduction/photography		1,134
		Miscellaneous		378
		Sub Total		2,268
		TOTAL 3.1.5 - TOTAL STATE COST		<u>\$ 21,137</u>

(continued)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>REFERENCE NUMBER 3.1.6</u>				
<u>ENGINEERING DEPARTMENT LABOR</u>				
29	Hr.	Senior civil engineer	\$ 19.42	\$ 563
19	Hr.	Senior material engineer	19.42	369
53	Hr.	Real property supervisor	17.44	924
106	Hr.	Associate civil engineer	17.31	1,835
84	Hr.	Associate civil engineer specialist	16.33	1,372
144	Hr.	Assistant civil engineer (III)	16.02	2,307
23	Hr.	Program co-ordinator (I)	12.33	284
20	Hr.	Administration specialist (I)	9.10	182
12	Hr.	Office assistant	7.53	90
26	Hr.	Survey Crew ¹	48.71	1,266
			Sub Total	\$ 9,192
			Overhead and Fringe Factor @ 73.72%	6,776
			Sub Total	\$ 15,968
<u>ENGINEERING DEPARTMENT NONLABOR</u>				
			Equipment rental	\$ 320
			Auto rental/mileage	320
			Reproduction/photography	960
			Miscellaneous	320
			Sub Total	1,920
			TOTAL 3.1.6 - TOTAL STATE COST	<u>\$ 17,888</u>

(continued)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>REFERENCE NUMBER 3.2.3</u>				
<u>ENGINEERING DEPARTMENT LABOR</u>				
113	Hr.	Senior civil engineer	\$ 19.42	\$ 2,194
74	Hr.	Senior material engineer	19.42	1,437
206	Hr.	Real property supervisor	17.44	3,593
415	Hr.	Associate civil engineer	17.31	7,184
330	Hr.	Associate civil engineer specialist	16.33	5,389
563	Hr.	Assistant civil engineer (III)	16.02	9,019
88	Hr.	Program co-ordinator (I)	12.33	1,085
79	Hr.	Administration specialist (I)	9.10	719
48	Hr.	Office assistant	7.53	361
103	Hr.	Survey Crew ¹	48.71	5,017
		Sub Total		\$ 35,998
		Overhead and Fringe Factor @ 73.72%		26,538
		Sub Total		\$ 62,536
<u>ENGINEERING DEPARTMENT NONLABOR</u>				
		Equipment rental		\$ 1,250
		Auto rental/mileage		1,250
		Reproduction/photography		3,750
		Miscellaneous		1,250
		Sub Total		7,500
		TOTAL 3.2.3 - TOTAL STATE COST		<u>\$ 70,036</u>

(continued)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>REFERENCE NUMBER 3.2.4</u>				
<u>ENGINEERING DEPARTMENT LABOR</u>				
11	Hr.	Senior civil engineer	\$ 19.42	\$ 214
8	Hr.	Senior material engineer	19.42	155
20	Hr.	Real property supervisor	17.44	349
37	Hr.	Associate civil engineer	17.31	640
30	Hr.	Associate civil engineer specialist	16.33	489
25	Hr.	Assistant civil engineer (III)	16.02	401
9	Hr.	Program co-ordinator (I)	12.33	111
8	Hr.	Administration specialist (I)	9.10	73
5	Hr.	Office assistant	7.53	38
11	Hr.	Survey Crew ¹	48.71	536
			Sub Total	\$ 3,006
			Overhead and Fringe Factor @ 73.72%	<u>2,216</u>
			Sub Total	\$ 5,222
<u>ENGINEERING DEPARTMENT NONLABOR</u>				
			Equipment rental	\$ 180
			Auto rental/mileage	220
			Reproduction/photography	360
			Miscellaneous	<u>120</u>
			Sub Total	880
			TOTAL 3.2.4 - TOTAL STATE COST	<u>\$ 6,102</u>

(continued)

SEATTLE PRELIMINARY ENGINEERING FINAL DESIGN GC 7260 - 3/7/83 (Rev. 3/11/83)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>REFERENCE NUMBER 4.1.6</u>				
<u>ENGINEERING DEPARTMENT LABOR</u>				
227	Hr.	Senior civil engineer	\$ 19.42	\$ 4,408
148	Hr.	Senior material engineer	19.42	2,874
412	Hr.	Real property supervisor	17.44	7,185
830	Hr.	Associate civil engineer	17.31	14,367
660	Hr.	Associate civil engineer specialist	16.33	10,778
1126	Hr.	Assistant civil engineer (III)	16.02	18,039
177	Hr.	Program co-ordinator (I)	12.33	2,182
159	Hr.	Administration specialist (I)	9.10	1,447
96	Hr.	Office assistant	7.53	723
205	Hr.	Survey Crew ¹	<u>48.71</u>	<u>9,986</u>
		Sub Total		\$ 71,989
		Overhead and Fringe Factor @ 73.72%		<u>53,070</u>
		Sub Total		\$125,059
<u>ENGINEERING DEPARTMENT NONLABOR</u>				
		Equipment rental		\$ 2,500
		Auto rental/mileage		2,500
		Reproduction/photography		7,500
		Miscellaneous		<u>2,500</u>
		Sub Total		<u>15,000</u>
		TOTAL 4.1.6 - TOTAL STATE COST		<u>\$140,059</u>

(continued)

SEATTLE PRELIMINARY ENGINEERING FINAL DESIGN GC 7260 - 3/7/83 (Rev. 3/11/83)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>REFERENCE NUMBER 4.1.7</u>				
<u>ENGINEERING DEPARTMENT LABOR</u>				
190	Hr.	Senior civil engineer	\$ 19.42	\$ 3,690
124	Hr.	Senior material engineer	19.42	2,408
346	Hr.	Real property supervisor	17.44	6,034
697	Hr.	Associate civil engineer	17.31	12,065
554	Hr.	Associate civil engineer specialist	16.33	9,047
946	Hr.	Assistant civil engineer (III)	16.02	15,155
148	Hr.	Program co-ordinator (I)	12.33	1,825
133	Hr.	Administration specialist (I)	9.10	1,210
81	Hr.	Office assistant	7.53	610
172	Hr.	Survey Crew ¹	<u>48.71</u>	<u>8,378</u>
		Sub Total		\$ 60,422
		Overhead and Fringe Factor @ 73.72%		<u>44,543</u>
		Sub Total		\$104,965
<u>ENGINEERING DEPARTMENT NONLABOR</u>				
		Equipment rental		\$ 2,100
		Auto rental/mileage		2,100
		Reproduction/photography		6,300
		Miscellaneous		<u>2,100</u>
		Sub Total		<u>12,600</u>
		TOTAL 4.1.7 - TOTAL STATE COST		<u>\$117,565</u>

(continued)

SEATTLE PRELIMINARY ENGINEERING FINAL DESIGN GC 7260 - 3/7/83 (Rev. 3/11/83)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>REFERENCE NUMBER 4.1.9</u>				
<u>ENGINEERING DEPARTMENT LABOR</u>				
274	Hr.	Senior civil engineer	\$ 19.42	\$ 5,321
179	Hr.	Senior material engineer	19.42	3,476
498	Hr.	Real property supervisor	17.44	8,685
1002	Hr.	Associate civil engineer	17.31	17,345
797	Hr.	Associate civil engineer specialist	16.33	13,015
1360	Hr.	Assistant civil engineer (III)	16.02	21,787
213	Hr.	Program co-ordinator (I)	12.33	2,626
192	Hr.	Administration specialist (I)	9.10	1,747
116	Hr.	Office assistant	7.53	873
248	Hr.	Survey Crew ¹	48.71	12,080
		Sub Total		\$ 86,955
		Overhead and Fringe Factor @ 73.72%		64,103
		Sub Total		\$151,058
<u>ENGINEERING DEPARTMENT NONLABOR</u>				
		Equipment rental		\$ 3,020
		Auto rental/mileage		3,020
		Reproduction/photography		9,060
		Miscellaneous		3,020
		Sub Total		18,120
		TOTAL 4.1.9 - TOTAL STATE COST		<u>\$169,178</u>

(continued)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>REFERENCE NUMBER 4.1.10</u>				
<u>ENGINEERING DEPARTMENT LABOR</u>				
44	Hr.	Senior civil engineer	\$ 19.42	\$ 854
29	Hr.	Senior material engineer	19.42	563
103	Hr.	Real property supervisor	17.44	1,796
159	Hr.	Associate civil engineer	17.31	2,752
128	Hr.	Associate civil engineer specialist	16.33	2,090
217	Hr.	Assistant civil engineer (III)	16.02	3,476
34	Hr.	Program co-ordinator (I)	12.33	419
31	Hr.	Administration specialist (I)	9.10	282
18	Hr.	Office assistant	7.53	136
40	Hr.	Survey Crew ¹	<u>48.71</u>	<u>1,948</u>
		Sub Total		\$ 14,316
		Overhead and Fringe Factor @ 73.72%		<u>10,553</u>
		Sub Total		\$ 24,869
<u>ENGINEERING DEPARTMENT NONLABOR</u>				
		Equipment rental		\$ 250
		Auto rental/mileage		500
		Reproduction/photography		1,500
		Miscellaneous		<u>250</u>
		Sub Total		<u>2,500</u>
		TOTAL 4.1.10 - TOTAL STATE COST		<u>\$ 27,369</u>

(continued)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>REFERENCE NUMBER 4.1.11</u>				
<u>ENGINEERING DEPARTMENT LABOR</u>				
644	Hr.	Senior civil engineer	\$ 19.42	\$ 12,506
383	Hr.	Senior material engineer	19.42	7,438
237	Hr.	Real property supervisor	17.44	4,133
2129	Hr.	Associate civil engineer	17.31	36,853
1880	Hr.	Associate civil engineer specialist	16.33	30,700
3044	Hr.	Assistant civil engineer (III)	16.02	48,765
99	Hr.	Program co-ordinator (I)	12.33	1,221
138	Hr.	Administration specialist (I)	9.10	1,256
602	Hr.	Office assistant	7.53	4,533
185	Hr.	Survey Crew ¹	48.71	9,011
		Sub Total		\$156,416
		Overhead and Fringe Factor @ 73.72%		<u>115,310</u>
		Sub Total		\$271,726
<u>ENGINEERING DEPARTMENT NONLABOR</u>				
		Equipment rental	\$	734
		Auto rental/mileage		1,500
		Reproduction/photography		1,100
		Miscellaneous		<u>400</u>
		Sub Total		<u>3,734</u>
		TOTAL 4.1.11 - TOTAL STATE COST		<u>\$275,460</u>

(continued)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>REFERENCE NUMBER 4.1.12</u>				
<u>ENGINEERING DEPARTMENT LABOR</u>				
109	Hr.	Senior civil engineer	\$ 19.42	\$ 2,117
71	Hr.	Senior material engineer	19.42	1,379
198	Hr.	Real property supervisor	17.44	3,453
398	Hr.	Associate civil engineer	17.31	6,889
317	Hr.	Associate civil engineer specialist	16.33	5,177
540	Hr.	Assistant civil engineer (III)	16.02	8,051
85	Hr.	Program co-ordinator (I)	12.33	1,048
76	Hr.	Administration specialist (I)	9.10	692
46	Hr.	Office assistant	7.53	346
98	Hr.	Survey Crew ¹	48.71	4,774
Sub Total				\$ 34,526
Overhead and Fringe Factor @ 73.72%				25,453
Sub Total				\$ 59,979
<u>ENGINEERING DEPARTMENT NONLABOR</u>				
Equipment rental				\$ 1,200
Auto rental/mileage				1,200
Reproduction/photography				3,600
Miscellaneous				1,200
Sub Total				7,200
TOTAL 4.1.12 - TOTAL STATE COST				<u>\$ 67,179</u>

(continued)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>REFERENCE NUMBER 4.2.2</u>				
<u>ENGINEERING DEPARTMENT LABOR</u>				
91	Hr.	Senior civil engineer	\$ 19.42	\$ 1,767
59	Hr.	Senior material engineer	19.42	1,146
165	Hr.	Real property supervisor	17.44	2,878
332	Hr.	Associate civil engineer	17.31	5,747
264	Hr.	Associate civil engineer specialist	16.33	4,311
450	Hr.	Assistant civil engineer (III)	16.02	7,209
71	Hr.	Program co-ordinator (I)	12.33	875
64	Hr.	Administration specialist (I)	9.10	582
39	Hr.	Office assistant	7.53	294
82	Hr.	Survey Crew ¹	48.71	3,994
		Sub Total		\$ 28,803
		Overhead and Fringe Factor @ 73.72%		21,234
		Sub Total		\$ 50,037
<u>ENGINEERING DEPARTMENT NONLABOR</u>				
		Equipment rental		\$ 1,000
		Auto rental/mileage		1,500
		Reproduction/photography		3,000
		Miscellaneous		800
		Sub Total		6,300
		TOTAL 4.2.2 - TOTAL STATE COST		<u>\$ 56,337</u>

(continued)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>REFERENCE NUMBER 4.2.4</u>				
<u>ENGINEERING DEPARTMENT LABOR</u>				
152	Hr.	Senior civil engineer	\$ 19.42	\$ 2,952
99	Hr.	Senior material engineer	19.42	1,923
277	Hr.	Real property supervisor	17.44	4,831
577	Hr.	Associate civil engineer	17.31	9,988
444	Hr.	Associate civil engineer specialist	16.33	7,251
756	Hr.	Assistant civil engineer (III)	16.02	12,111
119	Hr.	Program co-ordinator (I)	12.33	1,467
107	Hr.	Administration specialist (I)	9.10	974
65	Hr.	Office assistant	7.53	489
138	Hr.	Survey Crew ¹	48.71	6,822
			Sub Total	\$ 48,708
			Overhead and Fringe Factor @ 73.72%	35,908
			Sub Total	\$ 84,616
<u>ENGINEERING DEPARTMENT NONLABOR</u>				
			Equipment rental	\$ 1,680
			Auto rental/mileage	1,680
			Reproduction/photography	5,040
			Miscellaneous	1,680
			Sub Total	10,080
			TOTAL 4.2.4 - TOTAL STATE COST	<u>\$ 94,696</u>

(continued)

SEATTLE PRELIMINARY ENGINEERING FINAL DESIGN GC 7260 - 3/7/83

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>REFERENCE NUMBER 4.2.5</u>				
<u>ENGINEERING DEPARTMENT LABOR</u>				
169	Hr.	Senior civil engineer	\$ 19.42	\$ 3,282
110	Hr.	Senior material engineer	19.42	2,136
307	Hr.	Real property supervisor	17.44	5,354
617	Hr.	Associate civil engineer	17.31	10,680
491	Hr.	Associate civil engineer specialist	16.33	8,018
837	Hr.	Assistant civil engineer (III)	16.02	13,409
131	Hr.	Program co-ordinator (I)	12.33	1,615
118	Hr.	Administration specialist (I)	9.10	1,074
72	Hr.	Office assistant	7.53	542
153	Hr.	Survey Crew ¹	48.71	7,453
		Sub Total		\$ 53,563
		Overhead and Fringe Factor @ 73.72%		39,487
		Sub Total		\$ 93,050
<u>ENGINEERING DEPARTMENT NONLABOR</u>				
		Equipment rental		\$ 1,860
		Auto rental/mileage		1,860
		Reproduction/photography		5,580
		Miscellaneous		1,860
		Sub Total		11,160
		TOTAL 4.2.5 - TOTAL STATE COST		<u>\$104,210</u>

(continued)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>REFERENCE NUMBER 4.2.6</u>				
<u>ENGINEERING DEPARTMENT LABOR</u>				
27	Hr.	Senior civil engineer	\$ 19.42	\$ 524
18	Hr.	Senior material engineer	19.42	350
49	Hr.	Real property supervisor	17.44	855
100	Hr.	Associate civil engineer	17.31	1,731
79	Hr.	Associate civil engineer specialist	16.33	1,290
135	Hr.	Assistant civil engineer (III)	16.02	2,163
21	Hr.	Program co-ordinator (I)	12.33	259
19	Hr.	Administration specialist (I)	9.10	173
12	Hr.	Office assistant	7.53	90
25	Hr.	Survey Crew ¹	48.71	1,218
Sub Total				\$ 8,653
Overhead and Fringe Factor @ 73.72%				6,379
Sub Total				\$ 15,032
<u>ENGINEERING DEPARTMENT NONLABOR</u>				
Equipment rental				\$ 350
Auto rental/mileage				450
Reproduction/photography				900
Miscellaneous				300
Sub Total				2,000
TOTAL 4.2.6 - TOTAL STATE COST				<u>\$ 17,032</u>

(continued)

SEATTLE PRELIMINARY ENGINEERING FINAL DESIGN GC 7260 - 3/7/83

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>REFERENCE NUMBER 4.2.7</u>				
<u>ENGINEERING DEPARTMENT LABOR</u>				
323	Hr.	Senior civil engineer	\$ 19.42	\$ 6,273
211	Hr.	Senior material engineer	19.42	4,098
587	Hr.	Real property supervisor	17.44	10,237
1181	Hr.	Associate civil engineer	17.31	20,443
940	Hr.	Associate civil engineer specialist	16.33	15,350
1603	Hr.	Assistant civil engineer (III)	16.02	25,680
251	Hr.	Program co-ordinator (I)	12.33	3,095
226	Hr.	Administration specialist (I)	9.10	2,057
137	Hr.	Office assistant	7.53	1,032
292	Hr.	Survey Crew ¹	<u>48.71</u>	<u>14,223</u>
		Sub Total		\$102,488
		Overhead and Fringe Factor @ 73.72%		<u>75,554</u>
		Sub Total		\$178,042
<u>ENGINEERING DEPARTMENT NONLABOR</u>				
		Equipment rental		\$ 3,560
		Auto rental/mileage		3,560
		Reproduction/photography		10,680
		Miscellaneous		<u>3,560</u>
		Sub Total		<u>21,360</u>
		TOTAL 4.2.7 - TOTAL STATE COST		<u>\$199,402</u>

(continued)

SEATTLE PRELIMINARY ENGINEERING FINAL DESIGN GC 7260 - 3/7/83

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>REFERENCE NUMBER 4.2.8</u>				
<u>ENGINEERING DEPARTMENT LABOR</u>				
113	Hr.	Senior civil engineer	\$ 19.42	\$ 2,194
74	Hr.	Senior material engineer	19.42	1,437
206	Hr.	Real property supervisor	17.44	3,593
415	Hr.	Associate civil engineer	17.31	7,184
330	Hr.	Associate civil engineer specialist	16.33	5,389
563	Hr.	Assistant civil engineer (III)	16.02	9,019
88	Hr.	Program co-ordinator (I)	12.33	1,085
79	Hr.	Administration specialist (I)	9.10	719
48	Hr.	Office assistant	7.53	361
103	Hr.	Survey Crew ¹	48.71	5,017
Sub Total				\$ 35,998
Overhead and Fringe Factor @ 73.72%				26,538
Sub Total				\$ 62,536
<u>ENGINEERING DEPARTMENT NONLABOR</u>				
Equipment rental			\$	1,250
Auto rental/mileage				1,250
Reproduction/photography				3,750
Miscellaneous				1,250
Sub Total				7,500
TOTAL 4.2.8 - TOTAL STATE COST				<u>\$ 70,036</u>

(continued)

SEATTLE PRELIMINARY ENGINEERING FINAL DESIGN GC 7260 - 3/7/83 (3/11/83)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>REFERENCE NUMBER 4.2.9</u>				
<u>ENGINEERING DEPARTMENT LABOR</u>				
169	Hr.	Senior civil engineer	\$ 19.42	\$ 3,282
110	Hr.	Senior material engineer	19.42	2,136
307	Hr.	Real property supervisor	17.44	5,354
617	Hr.	Associate civil engineer	17.31	10,680
491	Hr.	Associate civil engineer specialist	16.33	8,018
837	Hr.	Assistant civil engineer (III)	16.02	13,409
131	Hr.	Program co-ordinator (I)	12.33	1,615
118	Hr.	Administration specialist (I)	9.10	1,074
72	Hr.	Office assistant	7.53	542
153	Hr.	Survey Crew ¹	48.71	7,453
Sub Total				\$ 53,563
Overhead and Fringe Factor @ 73.72%				39,487
Sub Total				\$ 93,050
<u>ENGINEERING DEPARTMENT NONLABOR</u>				
Equipment rental			\$	1,860
Auto rental/mileage				1,860
Reproduction/photography				5,580
Miscellaneous				1,860
Sub Total				11,160
TOTAL 4.2.9 - TOTAL STATE COST				<u>\$104,210</u>

(continued)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>REFERENCE NUMBER 5.1.6</u>				
<u>ENGINEERING DEPARTMENT LABOR</u>				
16	Hr.	Senior civil engineer	\$ 19.42	\$ 311
10	Hr.	Senior material engineer	19.42	194
29	Hr.	Real property supervisor	17.44	505
58	Hr.	Associate civil engineer	17.31	1,004
46	Hr.	Associate civil engineer specialist	16.33	751
79	Hr.	Assistant civil engineer (III)	16.02	1,266
12	Hr.	Program co-ordinator (I)	12.33	148
11	Hr.	Administration specialist (I)	9.10	100
7	Hr.	Office assistant	7.53	53
14	Hr.	Survey Crew ¹	48.71	682
		Sub Total		\$ 5,014
		Overhead and Fringe Factor @ 73.72%		3,696
		Sub Total		\$ 8,710
<u>ENGINEERING DEPARTMENT NONLABOR</u>				
		Equipment rental	\$	175
		Auto rental/mileage		175
		Reproduction/photography		525
		Miscellaneous		175
		Sub Total		1,050
		TOTAL 5.1.6 - TOTAL STATE COST		<u>\$ 9,760</u>

(continued)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>REFERENCE NUMBER 5.1.7</u>				
<u>ENGINEERING DEPARTMENT LABOR</u>				
23	Hr.	Senior civil engineer	\$ 19.42	\$ 447
15	Hr.	Senior material engineer	19.42	291
42	Hr.	Real property supervisor	17.44	732
84	Hr.	Associate civil engineer	17.31	1,454
67	Hr.	Associate civil engineer specialist	16.33	1,094
113	Hr.	Assistant civil engineer (III)	16.02	1,810
18	Hr.	Program co-ordinator (I)	12.33	222
16	Hr.	Administration specialist (I)	9.10	146
10	Hr.	Office assistant	7.53	75
21	Hr.	Survey Crew ¹	48.71	1,023
		Sub Total		\$ 7,294
		Overhead and Fringe Factor @ 73.72%		5,377
		Sub Total		\$ 12,671
<u>ENGINEERING DEPARTMENT NONLABOR</u>				
		Equipment rental		\$ 252
		Auto rental/mileage		252
		Reproduction/photography		756
		Miscellaneous		252
		Sub Total		1,512
		TOTAL 5.1.7 - TOTAL STATE COST		<u>\$ 14,183</u>

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>REFERENCE NUMBER 5.1.8</u>				
<u>ENGINEERING DEPARTMENT LABOR</u>				
44	Hr.	Senior civil engineer	\$ 19.42	\$ 854
29	Hr.	Senior material engineer	19.42	563
103	Hr.	Real property supervisor	17.44	1,796
159	Hr.	Associate civil engineer	17.31	2,752
128	Hr.	Associate civil engineer specialist	16.33	2,090
217	Hr.	Assistant civil engineer (III)	16.02	3,476
34	Hr.	Program co-ordinator (I)	12.33	419
31	Hr.	Administration specialist (I)	9.10	282
18	Hr.	Office assistant	7.53	136
40	Hr.	Survey Crew ¹	48.71	1,948
			Sub Total	\$ 14,316
			Overhead and Fringe Factor @ 73.72%	10,553
			Sub Total	\$ 24,869
<u>ENGINEERING DEPARTMENT NONLABOR</u>				
			Equipment rental	\$ 500
			Auto rental/mileage	1,000
			Reproduction/photography	3,000
			Miscellaneous	500
			Sub Total	5,000
			TOTAL 5.1.8 - TOTAL STATE COST	<u>\$ 29,869</u>

(continued)

¹ Survey crew is made up of the following: 1) Survey Party Chief @14.02, 2) Assistant Party Chief @ \$12.45 and 3) two Survey Assistants @ \$22.24 equals \$48.71 per hour.

SUMMARY

REFERENCE NUMBER	
1.1.7	\$ 195,999
1.1.8	9,440
1.1.9	9,762
1.2.3	163,599
2.1.1	15,697
2.1.8	6,376
2.2.6	94,094
2.2.7	192,658
2.2.10	39,102
2.2.11	10,191
2.2.12	12,182
2.2.13	5,549
2.2.14	33,565
2.2.15	52,500
2.2.16	6,241
2.2.17	6,241
2.2.18	20,425
3.1.4	53,039
3.1.5	21,137
3.1.6	17,888
3.2.3	70,036
3.2.4	6,102
4.1.6	140,059
4.1.7	117,565
4.1.9	169,178
4.1.10	27,369
4.1.11	275,460
4.1.12	67,179
4.2.2	56,337
4.2.4	94,696
4.2.5	104,210

SUMMARY (continued)

REFERENCE NUMBER	4.2.6	\$ 17,032
	4.2.7	199,402
	4.2.8	70,036
	4.2.9	104,210
	5.1.6	9,760
	5.1.7	14,183
	5.1.8	<u>29,869</u>
	TOTAL COST	<u>\$2,538,368</u>

PRELIMINARY ENGINEERING FINAL DESIGN AGREEMENT GC 7260

THIS AGREEMENT, made and entered into this 8th day of August 1983, between the STATE OF WASHINGTON, DEPARTMENT OF TRANSPORTATION, acting by and through the Secretary of Transportation by virtue of RCW 47.12, hereinafter called the "STATE" and the CITY OF SEATTLE ENGINEERING DEPARTMENT located at 900 Seattle Municipal Building, Seattle, Washington 98104, hereinafter called the "CITY".

WHEREAS, the STATE is planning the construction or improvement of SR 90, Junction SR 5 to West Shore Mercer Island, and in connection therewith it is necessary to remove and/or relocate or construct certain CITY sewer and drainage, water mains, fire control systems and streets, and

WHEREAS, a preliminary engineering feasibility study was necessary to determine the most feasible relocation of the CITY water and sewer facilities and the study is now complete, and

WHEREAS, the feasibility study was accomplished by the CITY under Agreements GC 6028 and GC 6030 and their supplements, and

WHEREAS, it is necessary to do the final preliminary engineering design which will be done by the CITY or its consultants, and

WHEREAS, the CITY may have no personnel or equipment available to do a portion of the work contemplated and may need to obtain the services of a professional engineer or engineering firm to draft plans and specifications pursuant to the feasibility study prior to the removal, relocation and/or replacement of said facilities.

NOW THEREFORE, in consideration of the terms, conditions, covenants and performance contained herein, or attached and incorporated and made a part hereof,

IT IS MUTUALLY AGREED AS FOLLOWS:

The Federal Highway Administration's Federal-Aid Highway Program Manual 1-4-4 (PPM 30-4), and amendments thereto, determine and establish the definitions and applicable standards for this Agreement and payment hereunder, and by this reference are incorporated hereby and made a part of this Agreement for all intents and purposes as if fully set forth herein.

EXHIBIT "D"

During the performance of this contract, the contractor, for itself, its assignees and successors in interest (hereinafter referred to as the "contractor"), agrees as follows:

- (1) **Compliance with Regulations:** The contractor will comply with the Regulations of the Department of Commerce relative to non-discrimination in federally-assisted programs of the Department of Commerce (Title 15, Code of Federal Regulations, Part 8, hereinafter referred to as the Regulations), which are herein incorporated by reference and made a part of this contract.
- * (2) **Nondiscrimination:** The contractor, with regard to the work performed by it after award and prior to completion of the contract work, will not discriminate on the ground of race, color, or national origin in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The contractor will not participate either directly or indirectly in the discrimination prohibited by Section 8.4 of the Regulations, including employment practices when the contract covers a program set forth in Appendix A-II of the Regulations.
- (3) **Solicitations for Subcontracts, Including Procurements of Materials and Equipment:** In all solicitations either by competitive bidding or negotiation made by the contractor for work to be performed under a subcontract, including procurements of materials or equipment, each potential subcontractor or supplier shall be notified by the contractor of the contractor's obligations under this contract and the Regulations relative to nondiscrimination on the ground of race, color or national origin.
- (4) **Information and Reports:** The contractor will provide all information and reports required by the Regulations, or orders and instructions issued pursuant thereto, and will permit access to its books, records, accounts, other sources of information, and

its facilities as may be determined by the State Highway Department or the Bureau of Public Roads to be pertinent to ascertain compliance with such Regulations, orders and instructions. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish this information, the contractor shall so certify to the State Highway Department, or the Bureau of Public Roads as appropriate, and shall set forth what efforts it has made to obtain the information.

- (5) **Sanctions for Noncompliance:** In the event of the contractor's noncompliance with the nondiscrimination provisions of this contract, the State Highway Department shall impose such contract sanctions as it or the Bureau of Public Roads may determine to be appropriate, including, but not limited to,
 - (a) withholding of payments to the contractor under the contract until the contractor complies, and/or
 - (b) cancellation, termination or suspension of the contract, in whole or in part.
- (6) **Incorporation of Provisions:** The contractor will include the provisions of paragraph (1) through (6) in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Regulations, orders, or instructions issued pursuant thereto. The contractor will take such action with respect to any subcontract or procurement as the State Highway Department or the Bureau of Public Roads may direct as a means of enforcing such provisions including sanctions for noncompliance: Provided, however, that, in the event a contractor becomes involved in, or is threatened with, litigation with a subcontractor or supplier as a result of such direction, the contractor may request the State to enter into such litigation to protect the interests of the State, and, in addition, the contractor may request the United States to enter into such litigation to protect the interest of the United States.

* PROHIBITION OF DISCRIMINATION ON THE BASIS OF SEX

SEC. 162. (a) Chapter 3 of title 23, United States Code is amended by adding at the end thereof the following new section:

"§ 324. Prohibition of discrimination on the basis of sex.

"No person shall on the ground of sex be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal assistance under this title or carried on under this title. This provision will be enforced through agency provisions and rules similar to those already established, with respect to racial and other discrimination, under title VI of the Civil Rights Act of 1964. However, this remedy is not exclusive and will not prejudice or cut off any other legal remedies available to a discriminator."

EXHIBIT D

During the performance of this contract, the contractor, for itself, its assignees and successors in interest (hereinafter referred to as the "contractor"), agrees as follows:

- (1) **Compliance with Regulations:** The contractor will comply with the Regulations of the Department of Commerce relative to non-discrimination in federally-assisted programs of the Department of Commerce (Title 15, Code of Federal Regulations, Part 8, hereinafter referred to as the Regulations), which are herein incorporated by reference and made a part of this contract.
- * (2) **Nondiscrimination:** The contractor, with regard to the work performed by it after award and prior to completion of the contract work, will not discriminate on the ground of race, color, or national origin in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The contractor will not participate either directly or indirectly in the discrimination prohibited by Section 8.4 of the Regulations, including employment practices when the contract covers a program set forth in Appendix A-II of the Regulations.
- (3) **Solicitations for Subcontracts, Including Procurements of Materials and Equipment:** In all solicitations either by competitive bidding or negotiation made by the contractor for work to be performed under a subcontract, including procurements of materials or equipment, each potential subcontractor or supplier shall be notified by the contractor of the contractor's obligations under this contract and the Regulations relative to nondiscrimination on the ground of race, color or national origin.
- (4) **Information and Reports:** The contractor will provide all information and reports required by the Regulations, or orders and instructions issued pursuant thereto, and will permit access to its books, records, accounts, other sources of information, and

* **PROHIBITION OF DISCRIMINATION ON THE BASIS OF SEX**

SEC. 167. (a) Chapter 3 of title 23, United States Code is amended by adding at the end thereof the following new section:

"§ 324. Prohibition of discrimination on the basis of sex.

"No person shall on the ground of sex be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal assistance under this title or carried on under this title. This provision will be enforced through agency provisions and rules similar to those already established, with respect to racial and other discrimination, under title VI of the Civil Rights Act of 1964. However, this remedy is not exclusive and will not prejudice or cut off any other legal remedies available to a discriminatee."

its facilities as may be determined by the State Highway Department or the Bureau of Public Roads to be pertinent to ascertain compliance with such Regulations, orders and instructions. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish this information, the contractor shall so certify to the State Highway Department, or the Bureau of Public Roads as appropriate, and shall set forth what efforts it has made to obtain the information.

- (5) **Sanctions for Noncompliance:** In the event of the contractor's noncompliance with the nondiscrimination provisions of this contract, the State Highway Department shall impose such contract sanctions as it or the Bureau of Public Roads may determine to be appropriate, including, but not limited to,
 - (a) withholding of payments to the contractor under the contract until the contractor complies, and/or
 - (b) cancellation, termination or suspension of the contract, in whole or in part.
- (6) **Incorporation of Provisions:** The contractor will include the provisions of paragraph (1) through (6) in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Regulations, orders, or instructions issued pursuant thereto. The contractor will take such action with respect to any subcontract or procurement as the State Highway Department or the Bureau of Public Roads may direct as a means of enforcing such provisions including sanctions for noncompliance: Provided, however, that, in the event a contractor becomes involved in, or is threatened with, litigation with a subcontractor or supplier as a result of such direction, the contractor may request the State to enter into such litigation to protect the interests of the State, and, in addition, the contractor may request the United States to enter into such litigation to protect the interest of the United States.

Transportation Committee Briefing-July 27, 1983

ITEM 1

I-90 Traffic Circulation and Utility
Relocation Agreements

FILE: C.B. 103760

ACTION: Discussion and Vote

EXEC.

STAFF: Bob Chandler (2354)
Ted Reese (2354)

BRIEFING

BY: Bob Morgan

This C.B. Does several things:

1. Authorizes the City Engineer to enter into agreements with WSDOT for financial assistance for making traffic circulation changes and relocating utilities in connection with the I-90 project. The agreements provide for full reimbursement (except for any betterments) for \$25,711,185 of work. The agreements cover construction and preconstruction of the following projects:

23rd Avenue South Watermain;
Rainier Avenue Utility Reconstruction;
Martin Luther King, Jr. Way South-Sewer and Storm Drain;
Rainier Avenue Detention Facility;
South Bradner Place-Water, Sewer and Storm Drain;
South Norman Street-Water, Sewer and Storm Drain;
South Irving Street-Water and Sewer;
South Judkins Street-Water, Sewer, Storm Drain and Street;
Golf-Sturgus-Water, Sewer, storm Drain and Street.

2. Appropriates \$1,672,000 from the Engineering Operating Fund (EOF), to be reimbursed from other funds as follows:

	<u>E.O.F.</u>	<u>City Funds Reimbursement</u>	<u>WSDOT Reimbursement</u>
	\$1,632,000	\$1,632,000 (Sewer Fund)	\$1,632,000*
	40,000	40,000 (ACSF)	40,000
TOTAL	<u>\$1,672,000</u>		<u>\$1,672,000</u>

(Continued on next page)

Item 1, Continued

- * Some portion of the work to be completed on three of the utility projects is expected to constitute a betterment to the city. This will not be determined until plans and specifications on these projects have been completed. Therefore, some portion of their total cost of \$250,000 may not be reimbursed from WSDOT. To provide for this contingency, the C.B. provides that any amount of the Sewer Fund appropriation which is not reimbursed by WSDOT will be reimbursed from the Sewer Improvement Fund, up to \$250,000.

REC'D OMB JUN 27 1983



82395

Seattle Engineering Department

Eugene V. Avery, Director of Engineering
Charles Royer, Mayor
May 31, 1983

Honorable Charles Royer
Mayor, City of Seattle
Seattle, WA 98104

Attention: Gary Zarker, Director
Office of Management and Budget

Subject: I-90 Corridor Project

Dear Mayor Royer:

REQUEST. We request City Council adoption of the attached ordinance which authorizes the Mayor to execute agreements for financial assistance with the Washington State Department of Transportation (WSDOT). The attached ordinance also requests appropriations from the Arterial City Street Fund and Sewer Fund. These requests are for City relocation work on the I-90 Corridor Project.

PURPOSE OF REQUEST. For preconstruction and construction activities to relocate City-owned utilities and for traffic circulation changes in the Interstate 90 Corridor. There will be requests in the future for additional work.

BACKGROUND. The Washington State Department of Transportation (WSDOT) I-90 Project has created the need to relocate City-owned utilities and to make traffic circulation changes in the I-90 Corridor.

Previous ordinances have authorized City/WSDOT I-90 related agreements for \$3,513,328 for feasibility studies, preliminary engineering, design, and construction activities at specified locations along the I-90 Corridor. The attached legislation provides for execution of City/WSDOT agreements for preconstruction and construction for the following I-90 related projects:

- . 23rd Avenue South Watermain
- . Rainier Avenue Utility Reconstruction
- . Martin Luther King, Jr. Way South--Sewer and Storm Drain
- . Rainier Avenue Detention Facility
- . South Bradner Place--Water, Sewer and Storm Drain
- . South Norman Street--Water, Sewer and Storm Drain
- . South Irving Street--Water and Sewer
- . South Judkins Street--Water, Sewer, Storm Drain, and Street
- . Golf--Sturgus--Water, Sewer, Storm Drain and Street

Honorable Charles Royer
Page 2
May 31, 1983

FUNDING. The attached ordinance requests authority to execute agreements with WSDOT for financial assistance as follows:

Agreement GC 7260	\$ 2,538,368
Agreement GC 7263	22,902,772
Agreement GC 7365	<u>70,045</u>
For a Total of	\$ 25,511,185
Design Reserve (Sewer Fund)	\$ 200,000

(See 100-014 form for cost breakdown.)

The Water Department and City Light portions of these agreements are funded through the Budget Ordinances. Portions of the Engineering Department's share will be appropriated in future budgets; however, some work must be accomplished in 1983. Therefore, the attached legislation requests an appropriation for 1983. Funding for this project shall be reimbursed 100% by WSDOT.

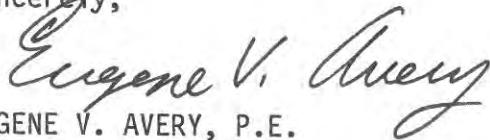
The attached ordinance requests an appropriation of \$1,632,000 from the Sewer Fund. Of this amount, the Sewer Fund shall be reimbursed by \$250,000 from the Sewer Improvement Fund, contingent upon additional agreements with WSDOT. (See 100-014 form for cost breakdown.) The attached ordinance also requests an appropriation of \$40,000 from the Arterial City Street Fund (ACSF). These monies will be used for design and construction activities during 1983 on the I-90 Corridor Project. This Project is identified as Item 34511 in the 1983 CIP which authorizes expenditure authority in an amount of \$9,345,000. Therefore, no increase in expenditure authority is required at this time.

IMPORTANCE. The relocation of utilities in the I-90 Corridor is funded 100% by WSDOT. WSDOT moved their construction schedule forward which accelerated the City's needs for utility relocation work in the I-90 Corridor. SED has begun work on the relocations

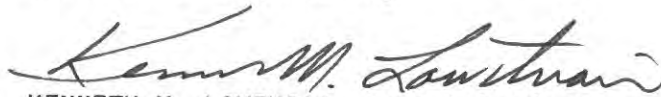
Honorable Charles Royer
Page 3
May 31, 1983

so that the State's project construction schedule will not be delayed. Therefore, a ratify and confirm prior acts clause is included in the attached legislation.

Sincerely,



EUGENE V. AVERY, P.E.
Director of Engineering



KENNETH M. LOWTHIAN, Superintendent
Water Department



JOSEPH P. RECCHI, Superintendent
Seattle City Light

EVA/BEL:tah

Attachments

cc: H. Pratt, Water Department
T. Reynolds, City Light Department
T. Rees, Engineering Department

I. TITLE

I-90 Corridor Project

II. OBJECTIVE

Authorize preconstruction and construction agreements with the Washington State Department of Transportation for relocating City-owned utilities and making traffic circulation changes in the Interstate 90 Corridor.

III. FISCAL

The attached ordinance requests authority to execute agreements with WSDOT for financial assistance as follows:

GC 7260

Sewer Fund	\$ 1,568,368
Water Department	<u>970,000</u>
TOTAL	\$ 2,538,368

GC 7263

City Light	\$ 330,000
Water Department	11,330,000
Sewer Fund	8,444,772
ACSF	<u>2,798,000</u>
TOTAL	\$22,902,772

GC 7365

City Light	\$ 70,045
Design Reserve (Sewer Fund)	\$ 200,000

The attached ordinance requests an appropriation of \$1,632,000 from the Sewer Fund. Of this amount the Sewer Fund shall be reimbursed by \$250,000 from the Sewer Improvement Fund (SIF) contingent upon additional agreements with WSDOT. The reimbursement from the SIF is for the following elements:

<u>Element</u>	<u>Amount</u>
Martin Luther King Jr. Way South	\$ 20,000
South Norman	180,000
Judkins	<u>50,000</u>
TOTAL	\$250,000

100-014
Page 2
I-90 Corridor Project

The attached ordinance also requests an appropriation of \$40,000 from the Arterial City Street fund (ACSF). These monies will be used for design and construction activities during 1983 on the I-90 Corridor Project. This Project is identified as Item 34511 in the 1983 CIP. The relocation of utilities in the I90 Corridor is funded 100% by WSDOT.

IV. PERSONNEL

No new personnel required.

V. EQUIPMENT

No new equipment required.

VI. EVALUATION

The relocation of City-owned utilities and changes to traffic circulation in the I-90 Corridor are funded 100% by WSDOT. WSDOT moved their construction schedule forward which accelerated the City's needs for utility relocation work in the I-90 Corridor. SED has started work on the relocation so that the State's project construction schedule will not be delayed.

VII. ALTERNATIVES

No practical alternatives.

City of Seattle

Executive Department-Office of Management and Budget

Gary Zarker, Director
Charles Royer, Mayor



June 27, 1983

5236

The Honorable Douglas Jewett
City Attorney
City of Seattle

JUN 28 1983

Douglas N. Jewett
CITY ATTORNEY

Dear Mr. Jewett:

The Mayor is proposing to the City Council that the enclosed legislation be adopted.

REQUESTING
DEPARTMENT: Engineering Department

SUBJECT: Ordinance authorizing the Mayor to enter into agreements with the State on utilities relocation and traffic circulation in changes related to I-90; and authorizing reimbursable appropriations from the Engineering Operating Fund, ACSF and the Sewer Fund.

Pursuant to the City Council's S.O.P. 100-014, the Executive Department is forwarding this request for legislation directly to your office for review and drafting.

After reviewing this request and drafting appropriate legislation:

- (X) File the legislation with the City Clerk for formal introduction to the City Council as an Executive Request.
- () Do not file with City Council but return the proposed legislation to OMB for our review. Return to _____.

Sincerely,

Charles Royer
Mayor

By

GARY ZARKER
Budget Director

GZ/js/lca

Enclosure

cc: Eugene Avery, Director, SED

1
2
3 AN ORDINANCE authorizing the Mayor to enter into agreements with the
4 Washington State Department of Transportation for financial assistance
5 for preconstruction and construction activities for traffic circulation
6 changes and the relocation of City-owned utilities in the Interstate 90
7 Corridor; making reimbursable appropriations from the Engineering Operating
8 Fund, Arterial City Street Fund and the Sewer Fund; and authorizing
9 the hiring of consultants and the awarding of contracts.

10 BE IT ORDAINED BY THE CITY OF SEATTLE AS FOLLOWS:

11 Section 1. As requested by the Director of Engineering and Superinten-
12 dents of City Light and Water, and recommended by the Mayor in the attachments
13 hereto, the Mayor is authorized to execute agreements with the Washington
14 State Department of Transportation for financial assistance for preconstruction
15 and construction activities related to traffic circulation changes and
16 the relocation of City-owned utilities in the Interstate 90 Corridor in the
17 approximate amount of Twenty-Five Million Seven Hundred Eleven Thousand One
18 Hundred Eighty-Five Dollars (\$25,711,185).

19 The funds when received are hereby accepted. This authority is supple-
20 mental to the authority provided by Ordinances 109395, 109805, 109964, 110263,
21 110321, 110322, 110582, 110900, 110937, 110952, and 110953.

22 Section 2. For the Engineering Department's portion of the work auth-
23 orized in Section 1 herein and required for 1983, the sum of One Million Six
24 Hundred Thirty-Two Thousand Dollars (\$1,632,000), or so much thereof as may be
25 necessary, is hereby appropriated from the Engineering Operating Fund to be
26 reimbursed in the amounts of One Million Six Hundred Thirty-Two Thousand
27 Dollars (\$1,632,000) from the Sewer Fund and Forty Thousand Dollars (\$40,000)
28 from the Arterial City Street Fund by appropriations hereby made. The Sewer
Fund and Arterial City Street fund appropriations shall be reimbursed from
funds to be received pursuant to the agreements authorized in Section 1. In
addition, \$250,000 of the Sewer Fund shall be reimbursed by the Sewer

Section 3. The director of Engineering is authorized to hire expert and consultant services, and under the direction of the Board of Public Works, to proceed with the construction of the Interstate 90 Corridor Project as described in Section 1 hereof, by the awarding of a contract or contracts therefor, or in the discretion of the Board, by the use of day labor subject to State law.

Section 4. Any act consistent with the authority and prior to the effective date of this Ordinance is hereby ratified and confirmed.

Section 5.... This ordinance shall take effect and be in force thirty days from and after its passage and approval, if approved by the Mayor; otherwise it shall take effect at the time it shall become a law under the provisions of the city charter.

Passed by the City Council the day of, 19,
and signed by me in open session in authentication of its passage this day of, 19

President of the City Council.

Approved by me this day of, 19

Filed by me this day of, 19 Mayor.

Attest:
City Comptroller and City Clerk.

(SEAL)

Published.....

By.....
Deputy Clerk.

AGREEMENT GC 7263

TASK ORDER #2

This Task Order, made and entered into this 23rd day of April 1984, between the STATE OF WASHINGTON, DEPARTMENT OF TRANSPORTATION, hereinafter referred to as the "STATE" and THE CITY OF SEATTLE, hereinafter referred to as the "CITY";

WHEREAS, Master Agreement GC 7263, entered into between the STATE and the CITY on the 8th day of August, 1983, is incorporated and by this reference made a part of this Task Order as if fully set forth herein;

NOW, THEREFORE, it is mutually agreed as follows:

1. The work proposed under this Task Order contemplates the removal, adjustment and/or the relocation of certain facilities as described in the Master Agreement under items:
 - 3.1.2 8 inch waterline in South Bush Place from Davis Place South to Rainier Avenue South.
 - 3.1.4 8 inch waterline loop from 20th Avenue South to 23rd Avenue South on South Norman Street.
 - 3.2.2 A trunk sewer from 23rd Avenue South to 21st Avenue South on South Norman Street - also from South Norman Street to South Charles Street in an alley between 23rd Avenue South and 21st Avenue South and including the storm system in the same area.
 - 5.1.2 8-inch waterline loop in South Bush Place from Rainier Avenue South to Poplar Place South.
2. Work to be performed by the STATE:

None
3. Work to be performed by the CITY:

Work by Seattle Engineering Department:

 - Administer the contract.
 - Conduct the preconstruction meeting.
 - Provide on-site inspection.
 - Respond to state requests for information on design.
 - Prepare and submit monthly billings.

FILED
CITY OF SEATTLE
1984 APR 30 PM 4:27
COMPTROLLER AND CITY CLERK

3. (Cont.) Prepare change orders.

Review and coordinate all change orders and shop drawings.

Work by Seattle Water Department:

Coordinate and perform all needed water shutdowns

Make all needed new watermain connections to existing line.

Kill water services.

Provide temporary watermains.

Transfer water services.

Work by the CITY consultant under the Direction of Seattle Engineering Department:

Attend the preconstruction meeting.

Assist and advise the CITY'S Construction Engineer on inspection and control of construction activities.

Provide on-site consultation on as-needed basis to be determined by CITY'S construction engineer.

Review and check structural and related shop plans.

Advise CITY on substitution of materials and products.

Arrange for soil services as needed.

Review and approve change orders as requested by the CITY.

Participate in final inspection.

4. Exhibit "A", Specifications and Special Considerations; Exhibit "B", Estimate of Cost; and Exhibit "C", Vicinity Map; are attached hereto and by this reference made a part of this Task Order.

5. The CITY contract plans and special provisions for the itemized work in this Task Order are by this reference incorporated and made a part of this Task Order for all intents and purposes as if fully set forth herein.

6. Financial Responsibility

The STATE is responsible for 100 percent of the costs covered by this Task Order.

7. Payment

Payment under this Task Order will be made on actual direct and related indirect costs in accordance with Section IV, PAYMENT of the Master Agreement.

8. Miscellaneous

Easement

In accordance with the terms of Master Construction Agreement GC7263, the CITY and STATE shall enter into a separate easement agreement to perpetuate existing or replacement property rights of the CITY, and to define the location and conditions of said easement.

IN WITNESS WHEREOF, the parties hereto have executed this Task Order as of the day and year first above written.

CITY OF SEATTLE

By: Kenneth M. Lawler
Superintendent of Water

Date: 4/16/84

By: Eugene V. Arvey
Director of Engineering

Date: 4/13/84

STATE OF WASHINGTON

DEPARTMENT OF TRANSPORTATION

By: Chad S. Brown

Title: PROJECT DEVELOPMENT ENGINEER

Date: 4-23-84

AGREEMENT GC 7263

TASK ORDER NO. 2

SUPPLEMENT 1

THIS AGREEMENT, made and entered into this 8th day of October 1984, between the STATE OF WASHINGTON, DEPARTMENT OF TRANSPORTATION, acting by and through the Secretary of Transportation, by virtue of RCW 47.12, hereinafter referred to as the "STATE" and the CITY OF SEATTLE located at 900 Seattle Municipal Building, Seattle, Washington 98104, hereinafter referred to as the "CITY".

WHEREAS, by the terms of Agreement GC 7263, Task Order 2, dated April 23, 1984 a supplement is required. "In the event unforeseen conditions require an increase in the cost of 25 percent or more, or a change in the scope of work which is to be accomplished in connection with the facility adjustment herein proposed, this Agreement will be modified by supplement agreement covering the increase and/or change," and

WHEREAS, the bids have been opened and the cost of Agreement GC 7263, Task Order 2 has exceeded 25 percent of the estimated cost contained therein, and

WHEREAS, the increased costs are included in the estimate of cost, Exhibit "B-1", and

NOW THEREFORE, in consideration of the terms, covenants and performance contained herein, or attached and incorporated and made a part hereof,

IT IS MUTUALLY AGREED AS FOLLOWS:

Pages 1B, 2B, 3B, 4B and 6B of the cost estimate, Exhibit "B" in Agreement GC 7263, Task Order 2 are hereby superseded and replaced by pages 1B-1 through 12B-12 of Exhibit "B-1" attached hereto and by this referenced made a part of this Agreement.

(A large triangular area is crossed out with a diagonal line from the bottom left to the top right.)

RECEIVED
CITY OF SEATTLE
OCT 23 AM 8 05
APPLICATOR AND CONTRACTOR

All other terms and conditions of Agreement GC 7263, Task Order 2 shall remain in full force and effect.

This Supplement 1 to Agreement GC 7263, Task Order 2 shall be binding on the parties hereto, their successors or assigns.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the day and year first above written.

CITY OF SEATTLE

By: Thomas C. Spring
for Superintendent of Water

Date: _____

By: John Chanick FOREVA
Director of Engineering

Date: 9/17/84

APPROVED AS TO FORM

Date: SEPT 6, 1984

By: [Signature]
Assistant Attorney General

STATE OF WASHINGTON
DEPARTMENT OF TRANSPORTATION

By: [Signature]
Project Development Engineer

EXHIBIT "B"

ESTIMATE OF COSTS

The noted engineering labor classification, direct salary rates, and overhead rates are used as the basis of estimating engineering activities described in this agreement. All the above rates are subject to change. The Engineer's estimate is based upon the 4th Quarter of 1983 quantities and unit prices.

ITEM NO.	DESCRIPTION			Engineer's Estimate		Frank Coluccio Const. Company	
	BID ITEMS	QUANTITY	UNIT	DOLLARS	CTS	DOLLARS	CTS
1	09005 MOBILIZATION						
				UNIT PRICE	45,000.00		63,000.00
				AMOUNT			
		1	LS		45,000.00		63,000.00
2	12010 CLEAR AND GRUB			UNIT PRICE	2,000.00		3,000.00
				AMOUNT			
		1	LS		2,000.00		3,000.00
3	13015 COMMON BORROW			UNIT PRICE	10.00		5.00
				AMOUNT			
		3,500	TN		35,000.00		17,500.00
4	13SP1 EMBANKMENT COMPACTION, METHOD A			UNIT PRICE	1.25		1.00
				AMOUNT			
		1,000	CY		1,250.00		1,000.00
5	13SP2 EMBANKMENT COMPACTION, METHOD B			UNIT PRICE	1.00		2.00
				AMOUNT			
		875	CY		875.00		1,750.00
6	19SP1 ROCK FACING			UNIT PRICE	12.00		20.00
				AMOUNT			
		150	SF		1,800.00		3,000.00
7	20015 MINERAL AGGREGATE, TYPE 1 OR 2			UNIT PRICE	15.00		12.00
				AMOUNT			
		900	TN		13,500.00		10,800.00

ITEM NO.	DESCRIPTION			Engineer's Estimate		Frank Coluccior Const. Company	
	BID ITEMS	QUANTITY	UNIT	DOLLARS	CTS	DOLLARS	CTS
8	20175 MINERAL AGGREGATE, TYPE 17		UNIT PRICE	12.00		16.00	
		2,400	CY	AMOUNT		28,800.00	38,400.00
9	34010 PVMT, ASPHALT CONCRETE, CL B		UNIT PRICE	55.00		65.00	
		300	TN	AMOUNT		16,500.00	19,500.00
10	40015 CURB, CEM CONC, TYPE 108C		UNIT PRICE	10.00		40.00	
		10	LF	AMOUNT		100.00	400.00
11	41005 DRIVEWAY, CEM CONC, 6 INCH		UNIT PRICE	26.00		30.00	
		23	SY	AMOUNT		598.00	690.00
12	42005 SIDEWALK, CEM CONC		UNIT PRICE	20.00		25.00	
		12	SY	AMOUNT		240.00	300.00
13	48125 RELOCATE TREE		UNIT PRICE	250.00		400.00	
		4	EA	AMOUNT		1,000.00	1,600.00
14	50005 MONUMENT FRAME AND COVER, TYPE 118		UNIT PRICE	250.00		270.00	
		3	EA	AMOUNT		750.00	810.00
15	50010 RESET MONUMENT FRAME AND COVER		UNIT PRICE	150.00		150.00	
		1	EA	AMOUNT		150.00	150.00
16	52005 REMOVE PAVEMENT		UNIT PRICE	8.00		5.00	
		148	SY	AMOUNT		1,184.00	740.00
17	52010 REMOVE CURB		UNIT PRICE	6.00		4.00	
		20	LF	AMOUNT		120.00	80.00

ITEM NO.	DESCRIPTION			Engineer's Estimate		Frank Coluccior Const. Company	
	BID ITEMS	QUANTITY	UNIT	DOLLARS	CTS	DOLLARS	CTS
				UNIT PRICE			
18	52020 REMOVE SIDEWALK						
				7.00		5.00	
				AMOUNT			
		12	SY	84.00		60.00	
19	52060 ABANDON CATCH BASIN			200.00		150.00	
				AMOUNT			
		1	EA	200.00		150.00	
20	52075 ABANDON MANHOLE			500.00		200.00	
				AMOUNT			
		7	EA	3,500.00		1,400.00	
21	54005 PAVEMENT PATCH, CEM CONC, CL 6.5 (1 1/2) H.E.S.			150.00		150.00	
				AMOUNT			
		26	CY	3,900.00		3,900.00	
22	54010 PAVEMENT PATCH, ASPH CONC, CL B			55.00		65.00	
				AMOUNT			
		82	TN	4,510.00		5,330.00	
23	54015 PAVEMENT PATCH, TEMP, MC250			40.00		35.00	
				AMOUNT			
		95	TN	3,800.00		3,325.00	
24	56SP1 SODDING			1.00		.80	
				AMOUNT			
		100	SF	15,100.00		12,080.00	
25	61006 BEDDING, CL B, 6 INCH PIPE			2.00		2.50	
				AMOUNT			
		222	LF	444.00		555.00	
26	61008 BEDDING, CL B, 8 INCH PIPE			3.00		3.50	
				AMOUNT			
		130	LF	390.00		455.00	
27	61012 BEDDING, CL B, 12 INCH PIPE			4.00		4.50	
				AMOUNT			
		698	LF	2,792.00		3,141.00	

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	Engineer's Estimate		Frank Coluccion Const. Company	
				DOLLARS	CTS	DOLLARS	CTS
28	61018 BEDDING, CL B, 18 INCH PIPE		UNIT PRICE	5.00		7.00	
		161	LF	AMOUNT	805.00	1,127.00	
29	61100 FOUNDATION MATERIAL		UNIT PRICE	15.00		20.00	
		500	CY	AMOUNT	7,500.00	10,000.00	
30	62212 PIPE, PSD, CONC REINF C76 CL III, 12 INCH		UNIT PRICE	30.00		40.00	
		198	LF	AMOUNT	5,940.00	7,920.00	
31	62218 PIPE, PSD, CONC REINF C76 CL III, 18 INCH		UNIT PRICE	35.00		50.00	
		161	LF	AMOUNT	5,635.00	8,050.00	
32	62SP1 PIPE, PSD, DUCT IRON, CL 54, 12 INCH		UNIT PRICE	50.00		70.00	
		80	LF	AMOUNT	4,000.00	5,600.00	
33	62SP2 PIPE, PSD, DUCT IRON, CL 54, 18 INCH		UNIT PRICE	70.00		115.00	
		400	LF	AMOUNT	28,000.00	46,000.00	
34	62SP3 PIPE, PSD, DUCT IRON, CL 54, 30 INCH		UNIT PRICE	150.00		140.00	
		372	LF	AMOUNT	55,800.00	52,080.00	
35	62818 PIPE, PS, CONC, C14 CL 3, 8 INCH		UNIT PRICE	25.00		30.00	
		78	LF	AMOUNT	1,950.00	2,340.00	
36	62832 PIPE, PS, CONC REINF, C76 CL III, 12 INCH		UNIT PRICE	35.00		40.00	
		355	LF	AMOUNT	12,425.00	14,200.00	
37	62SP4 PIPE, PS, DUCT IRON, CL54, 12 INCH		UNIT PRICE	50.00		70.00	
		85	LF	AMOUNT	4,250.00	5,950.00	

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	Engineer's Estimate		Frank Coluccior Const. Company	
				DOLLARS	CTS	DOLLARS	CTS
38	62SP5 PIPE, PS, DUCT IRON, CL54, 18 INCH		UNIT PRICE	70.00		90.00	
		719	LF	AMOUNT	50,330.00	64,710.00	
39	62906 TEE, CONC, 6 INCH		UNIT PRICE	70.00		40.00	
		5	EA	AMOUNT	350.00	200.00	
40	62908 TEE, CONC, 8 INCH		UNIT PRICE	80.00		70.00	
		1	EA	AMOUNT	80.00	70.00	
41	62926 TEE, DUCT IRON, 6 INCH		UNIT PRICE	1,000.00		250.00	
		9	EA	AMOUNT	9,000.00	2,250.00	
42	62928 TEE, DUCT IRON, 8 INCH		UNIT PRICE	1,000.00		300.00	
		1	EA	AMOUNT	1,000.00	300.00	
43	62SP6 CROSS, DUCTILE IRON, 8 INCH		UNIT PRICE	1,200.00		1,000.00	
		1	EA	AMOUNT	1,200.00	1,000.00	
44	63005 MANHOLE, TYPE 130, BASIC PRICE		UNIT PRICE	1,500.00		1,400.00	
		6	EA	AMOUNT	9,000.00	8,400.00	
45	63015 MANHOLE TYPE 133, BASIC PRICE		UNIT PRICE	4,000.00		2,600.00	
		1	EA	AMOUNT	4,000.00	2,600.00	
46	63025 EXTRA DEPTH MANHOLE, TYPE 130		UNIT PRICE	150.00		80.00	
		8	VF	AMOUNT	1,200.00	640.00	
47	63035 EXTRA DEPTH MANHOLE, TYPE 133		UNIT PRICE	200.00		170.00	
		8	VF	AMOUNT	1,600.00	1,360.00	

ITEM NO.	DESCRIPTION			Engineer's Estimate		Frank Coluccio Const. Company	
	BID ITEMS	QUANTITY	UNIT	DOLLARS	CTS	DOLLARS	CTS
48	63SP1 MANHOLE NO. 2, SPECIAL		UNIT PRICE	5,000.00		2,120.00	
		1	LS	AMOUNT	5,000.00	2,120.00	
49	63SP2 MANHOLE NO. 3, SPECIAL		UNIT PRICE	5,000.00		2,220.00	
		1	LS	AMOUNT	5,000.00	2,220.00	
50	63SP3 MANHOLE NO. 102, SPECIAL		UNIT PRICE	6,000.00		2,000.00	
		1	LS	AMOUNT	6,000.00	2,000.00	
51	63SP4 MANHOLE NO. 103, SPECIAL		UNIT PRICE	6,000.00		2,000.00	
		1	LS	AMOUNT	6,000.00	2,000.00	
52	63065 RECHANNEL MANHOLE		UNIT PRICE	600.00		250.00	
		2	EA	AMOUNT	1,200.00	500.00	
53	64010 CATCH BASIN, TYPE 151		UNIT PRICE	1,200.00		1,000.00	
		2	EA	AMOUNT	2,400.00	2,000.00	
54	64025 CATCH BASIN, TYPE 153		UNIT PRICE	850.00		600.00	
		1	EA	AMOUNT	850.00	600.00	
55	64030 CATCH BASIN, TYPE 171A		UNIT PRICE	1,500.00		1,300.00	
		5	EA	AMOUNT	7,500.00	6,500.00	
56	64035 CATCH BASIN, TYPE 171B		UNIT PRICE	1,700.00		1,500.00	
		1	EA	AMOUNT	1,700.00	1,500.00	
57	64050 INLET, TYPE 165		UNIT PRICE	800.00		800.00	
		4	EA	AMOUNT	3,200.00	3,200.00	

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	Engineer's Estimate		Frank Coluccio Const. Company	
				DOLLARS	CTS	DOLLARS	CTS
58	64055 INLET, TYPE 166		UNIT PRICE	1,000.00		1,000.00	
		1	EA	AMOUNT	1,000.00		1,000.00
59	64SP1 REPLACE EXISTING GRATE WITH VANED-TYPE GRATE		UNIT PRICE	250.00		300.00	
		1	EA	AMOUNT	250.00		300.00
60	65006 PIPE, PERFORATED, 6 INCH		UNIT PRICE	10.00		16.00	
		6	LF	AMOUNT	960.00		1,536.00
61	65020 FILTER MATERIAL		UNIT PRICE	20.00		20.00	
		8	CY	AMOUNT	160.00		160.00
62	66106 PIPE, SSS, CONC C14, CL3, 6 INCH		UNIT PRICE	25.00		30.00	
		200	LF	AMOUNT	5,000.00		6,000.00
63	66206 PIPE, SSS, DUCT IRON, CL50, 6 INCH		UNIT PRICE	35.00		35.00	
		100	LF	AMOUNT	3,500.00		3,500.00
64	69108 PIPE, CB CONN, CONC C14 CL3, 8 INCH		UNIT PRICE	20.00		25.00	
		130	LF	AMOUNT	2,600.00		3,250.00
65	69406 PIPE, INLET CONN, CONC C14, CL3, 6 IN		UNIT PRICE	18.00		25.00	
		22	LF	AMOUNT	396.00		550.00
66	74208 PIPE, WATERMAIN, DUCTILE IRON CL 52, 8 INCH, INCLUDING FITTINGS		UNIT PRICE	22.00		22.00	
		000	LF	AMOUNT	2,000.00		22,000.00
67	74SP1 PIPE, WATERMAIN, DUCTILE IRON CL 52, FLEXIBLE TENSION JOINTS, 8 INCH, INCLUDING FITTINGS		UNIT PRICE	36.00		80.00	
		000	LF	AMOUNT	6,000.00		80,000.00

ITEM NO.	DESCRIPTION			Engineer's Estimate		Frank Coluccior Const. Company	
	BID ITEMS	QUANTITY	UNIT	DOLLARS	CTS	DOLLARS	CTS
68	74SP2 PIPE, WATERMAIN, DUCTILE IRON CL 52, FLEXIBLE TENSION JOINTS, 24 INCH, INCLUDING FITTINGS	25	LF	100.00		160.00	
				AMOUNT			
				2,500.00		4,000.00	
69	74025 BLOCKING, CEMENT CONCRETE	5	CY	90.00		220.00	
				AMOUNT			
				450.00		1,100.00	
70	74SP3 BOND, ELECTRICAL CONTINUITY	60	EA	60.00		10.00	
				AMOUNT			
				3,600.00		600.00	
71	74SP4 STATION, CATHODIC PROTECTION	4	EA	600.00		270.00	
				AMOUNT			
				2,400.00		1,080.00	
72	75SP1 VALVE, GATE OR BUTTERFLY, 8 INCH	9	EA	500.00		500.00	
				AMOUNT			
				4,500.00		4,500.00	
73	75SP2 GATE VALVE 8 INCH, AIR RELEASE VALVE 1 INCH AND CHAMBER	1	EA	2,500.00		2,200.00	
				AMOUNT			
				2,500.00		2,200.00	
74	75SP3 AIR RELEASE VALVE, 1 INCH AND CHAMBER	1	EA	2,000.00		1,750.00	
				AMOUNT			
				2,000.00		1,750.00	
75	75SP4 VALVE, BUTTERFLY 24 INCH AND CHAMBER	1	EA	11,000.00		5,200.00	
				AMOUNT			
				1,000.00		5,200.00	
76	76010 VALVE BOX, CAST IRON	9	EA	80.00		70.00	
				AMOUNT			
				720.00		630.00	
77	77005 HYDRANT, 6 INCH CONN	2	EA	1,400.00		1,400.00	
				AMOUNT			
				2,800.00		2,800.00	

ITEM NO.	DESCRIPTION			Engineer's Estimate		Frank Coluccior Const. Company	
	BID ITEMS	QUANTITY	UNIT	DOLLARS	CTS	DOLLARS	CTS
78	77030						
	HYDRANT EXTENSION, VERTICAL		UNIT PRICE	1.50		6.00	
		50	LB	AMOUNT		75.00	300.00
79	77010						
	PIPE HYDRANT CONN, DUCT IRON CL 52,		UNIT PRICE	16.00		31.00	
		50	LF	AMOUNT		800.00	1,550.00
80	COSP1						
	PILE, CONCRETE AUGERCAST, 14 INCH DIA		UNIT PRICE	15.00		20.00	
		250	LF	AMOUNT		8,750.00	65,000.00
81	COSP2						
	PILE CAP, CONC 1 PILE BENT		UNIT PRICE	800.00		700.00	
		9	EA	AMOUNT		7,200.00	6,300.00
82	COSP3						
	PILE CAP, CONC 2 PILE BENT		UNIT PRICE	1,000.00		2,000.00	
		29	EA	AMOUNT		9,000.00	58,000.00
83	COSP4						
	PILE CAP, CONC 3 PILE BENT		UNIT PRICE	1,100.00		2,000.00	
		24	EA	AMOUNT		6,400.00	48,000.00
84	O7SP1						
	TRAINING		UNIT PRICE	2.00		10.00	
		750	HR	AMOUNT		1,500.00	7,500.00
TOTAL BASIC PROPOSAL				644,563.00		779,359.00	
City Engineering @ 27.86%				179,575.00		217,129.00	
Sub Total				824,138.00		996,488.00	

WATER DEPARTMENT FORCES

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>LABOR</u>				
49	Hr.	Pipe worker	\$ 11.43	\$ 560
49	Hr.	Lead pipe worker	12.02	589
20	Hr.	Backhoe operator	12.47	249
20	Hr.	Driver	11.88	238
		Sub Total	<u>11.88</u>	<u>\$1,636</u>
		Overhead & Fringe Factor @ 60%		982
		Sub Total - Labor		\$ 2,618
<u>EQUIPMENT</u>				
23	Hr.	Backhoe	\$ 40.00	\$ 920
23	Hr.	Dump truck	23.00	529
32	Hr.	Service truck	12.00	384
		Sub Total - Equipment		<u>\$ 1,833</u>
<u>MATERIAL</u>				
4	Ea.	Fire hydrant	\$ 478.00	\$1,912
4	Ea.	Tapping sleeve	187.00	748
4	Ea.	Tapping valve	76.00	304
40	L.F.	Ductile pipe	6.10	244
4	Ea.	Standard valve box	95.00	380
8	Ea.	Steel plate	4.00	32
4	Ea.	Hydrant bleeder	5.00	20
4	Ea.	M.J. cap	60.00	240
4	Ea.	Concrete block	43.00	172
8	C.Y.	Crushed rock	10.00	80
5	Est.	Permanent street repair	500.00	2,500
		Sub Total	<u>500.00</u>	<u>\$6,632</u>
		Sales Tax @ 7.9%		524
		Sub Total		<u>\$7,156</u>
		Stores Expense @ 20%		1,331
		Sub Total - Material		<u>\$ 8,487</u>
		Sub Total - Water Dept. Forces		\$12,938

CONSULTANT COSTS

POOL

<u>CLASSIFICATION</u>	<u>HOURS</u>	<u>RATE</u>	<u>AMOUNT</u>
Principal Engineer	92	\$ 78.25	\$ 7,199.00
Design Engineer	104	56.00	5,824.00
Senior Design Tech.	260	51.50	13,390.00
Assistant Engineer	48	40.20	1,929.60
Drafter	48	28.00	1,344.00
Word Processor	44	27.85	1,225.40
			<u>\$30,912.00</u>

ST

Principal Engineer	50	\$ 65.00	\$ 3,250.00
Design Engineer	128	43.00	5,504.00
Assistant Engineer	16	37.00	592.00
Drafter	40	28.00	1,120.00
Word Processor	18	25.00	450.00
			<u>\$10,916.00</u>

CTS

Principal Engineer	38	\$ 53.50	\$ 2,033.00
Design Engineer	80	27.50	2,200.00
Drafter	16	27.50	440.00
Word Processor	18	22.00	396.00
			<u>\$ 5,069.00</u>

HART-CROWSER

Field Engr./Geologist	80	\$ 40.00	\$ 3,200.00
Project Engineer	48	55.00	2,640.00
Principal Engineer	6	80.00	480.00
Clerical/Support	10	30.00	300.00
			<u>\$ 6,620.00</u>

NON LABOR

Equipment Rental		\$	733.00
Auto rental/mileage			700.00
Reproduction/Photograph			550.00
Miscellaneous			142.00
			<u>\$ 2,125.00</u>

TOTAL CONSULTANTS \$55,642

TOTAL TASK ORDER @ 100% STATE COST \$1,065,068
By Frank Coluccion Construction Co. Bid Price

TOTAL AGREEMENT PRICES

	Engineer Est.	Frank C. Const. Co. Bid
Material & City Eng. Cost	\$824,138*	\$ 996,488
Water Dept. Forces	12,938	12,938
Consultant Cost	<u>55,642</u>	<u>55,642</u>
Total Agreement Cost	\$892,718	\$1,065,068

*The engineer's estimate for Agreement GC7263, Task Order 2 was completed six months prior to the job being put on advertisement and some changes were made to the plans. Subsequently, the final engineer's estimate was higher.

Original Amount Estimated for Agreement GC7263, Task Order 2	\$ 841,994
Revised estimates using contractor's bid prices for GC7263, Task Order 2	<u>\$1,065,068</u>
Total amount for Agreement GC7263, Task Order 2, Sup. 1	\$ 223,074

ORD.# 111246



Seattle
Engineering Department

Eugene V. Avery, Director of Engineering
Charles Royer, Mayor

MEMORANDUM

DATE: October 2, 1985
TO: City Clerk
FROM: Joann M. Sullivan, Seattle Engineering Department *JMS*
SUBJECT: Filing of I-90 Task Orders

Attached is Task Order #8, Supplement #1, to be filed:

<u>Task Order</u>	<u>Supplement</u>	<u>Agreement</u>	<u>Ordinance</u>
#8	#1	GC-7263	111246

JMS:ge

Attachment

FILED
CITY OF SEATTLE
1985 OCT -4 AM 8:57
COMPTROLLER AND CITY CLERK

AGREEMENT GC 7263

TASK ORDER NO. 8

SUPPLEMENT 1

CITY OF SEATTLE
1985 OCT -4 AM
COMPTROLLER AN

This Supplement to Agreement GC 7263, Task Order 8 made and entered into this 27th day of Sept., 1985, between the STATE OF WASHINGTON, DEPARTMENT OF TRANSPORTATION, hereinafter referred to as the "STATE" and the CITY OF SEATTLE, hereinafter referred to as the "CITY";

WHEREAS, by the terms of Section VI, **Extra Work**, of Master Agreement GC 7263, Task Order 8, dated August 9, 1985, a supplement is required because of a change in the scope of work, and

WHEREAS, the CITY determined that an additional storm drain pipe and additional engineering considerations were needed on 35th Avenue South between South Irving Street and Lakeside Avenue South, and

WHEREAS, the STATE made landscape design changes in the vicinity of Atlantic Street between Martin Luther King, Jr. Way South and 28th Avenue South which directly affected structural integrity of utilities to be constructed under Task Order 8 in this area, therefore, it was determined that certain materials would have to be charged, and

WHEREAS, it was determined to be in the best interest of all parties to include part of the South Massachusetts Street waterline installation in this task order,

NOW THEREFORE, in consideration of the terms, covenants and performance contained herein, or attached and incorporated and made a part hereof,

IT IS MUTUALLY AGREED AS FOLLOWS:

This supplement to Task Order 8 is incorporated into and made a part of Task Order 8 as if fully set forth therein.

The additional work proposed under this supplement contemplates the removal, adjustment and/or relocation of certain facilities as described in the Master Agreement under the following items:

- 2.1.4 8 inch waterline in South Massachusetts Street between 26th Avenue South and Bradner Place South, except that portion from 130 feet west of 28th Avenue South to 26th Avenue South, which will be constructed by others.

^{RR}
~~6.2.4~~
~~2.2.19~~ 18 inch sanitary sewer on South Atlantic Street from 29th Avenue South to Martin Luther King, Jr. Way South. (This paragraph inadvertently omitted from the original task order.)

Structural design changes to 2.2.18 and ^{RR}~~2.2.19~~^{6.2.4}, a material change from standard concrete pipe to ductile iron pipe to accommodate extra material loading.

6.2.3 12 inch storm drain pipe in 35th Avenue South.

Exhibit "A-1" Specifications and Special Considerations; Exhibit "B-1", revised Estimate of Cost; and Exhibit "C-1", plan sheets of additional work are attached hereto and by this reference made a part of this supplement.

The CITY is currently preparing additional contract plans and special provisions for the itemized work covered by this supplement. Said plans and special provisions, upon completion, and after approval by the STATE, shall become a part of this supplement for all intents and purposes as if fully set forth herein.

All other terms and conditions of Agreement GC 7263, Task Order 8 shall remain in full force and effect.

This supplement to Agreement GC 7263, Task Order 8 shall be binding on the parties hereto, their successors or assigns.

IN WITNESS WHEREOF, parties hereto have executed this supplement as of the day and year first above written.

CITY OF SEATTLE

By: *Kenneth M. Lawton*
Superintendent of Water

Date: 9/25/85

By: *Eugene V. Avery*
Director of Engineering

Date: 9/23/85

**STATE OF WASHINGTON
DEPARTMENT OF TRANSPORTATION**

By: *Clayton L. ...*
Project Development Engineer

EXHIBIT "A-1"

SPECIFICATIONS AND SPECIAL CONSIDERATIONS

The work proposed under the terms of this Agreement contemplates the removal, adjustment and/or relocation of water, sewer, street, drainage, walkways and traffic facilities as described herein and shown on Exhibit "C-1".

WORK TO BE PERFORMED BY THE STATE

NONE

WORK TO BE PERFORMED BY THE CITY

Sheet 1 of 5:

1. Construct 260 feet of 18 inch ductile iron sewer pipe
2. Construct 260 feet of 18 inch ductile iron storm drain pipe
(The above in lieu of the cement concrete pipe originally called for in Task Order 8.)

Sheet 2 of 5:

1. Construct 390 feet of additional 8 inch waterline in South Massachusetts Street

Sheet 3 of 5:

1. Construct 485 feet of 12 inch storm drain pipe

Sheet 4 of 5:

1. Construct 315 feet of 12 inch storm drain pipe

Sheet 5 of 5:

1. Construct an 8 inch water stub out for fire control (this will be completed by City forces)

EXHIBIT 'B-1'

ENGINEERS ESTIMATE

P R O P O S A L

Seattle, Washington, September 16, 1985

SR90 - SEATTLE
STREET AND UTILITY RECONSTRUCTION
CONTRACT 8
BRADNER PLACE SOUTH, et.al.
BY SEWERS, STORM DRAINS, WATER MAINS, ETC.
FEDERAL AID PROJECT NO. I 90 - 1(262)

SR-90 - SEATTLE STREET AND UTILITY RECONSTRUCTION CONTRACT 8
 BRADNER PLACE SOUTH, et. al. - BY SEWERS, STORM DRAINS, WATER MAINS, etc.
 FEDERAL AID PROJECT NO. I 90 - 1(262)

Item No.	Bid Item with unit price Bid (to be written in words)	ESTIMATED Quantity & Units	Unit Price		Amount	
			Dollars	Cts.	Dollars	Cts.
1	TRAINING					
		550 HRS	2	00	1,100	00
SP	_____ dollars Unit Price in Words _____					
2	MOBILIZATION					
		LS	42,000	00	42,000	00
SP	_____ dollars Unit Price in Words _____					
3	CLEARING AND GRUBBING					
		LS	2,000	00	2,000	00
SP	_____ dollars Unit Price in Words _____					
4	REMOVE PAVMT					
		2,150 SY	7	50	16,125	00
SP	_____ dollars Unit Price in Words _____					
5	REMOVE CURB AND GUTTER					
		60 LF	3	50	210	00
SP	_____ dollars Unit Price in Words _____					
6	REMOVE CONC SIDEWALK					
		660 SY	5	00	3,300	00
SP	_____ dollars Unit Price in Words _____					
7	REMOVE TREE					
		4 EA	100	00	400	00
SP	_____ dollars Unit Price in Words _____					

Contractor's Initials: _____
 104F12:1

Subtotal this Page \$ 65,135.00

SR-90 - SEATTLE STREET AND UTILITY RECONSTRUCTION CONTRACT 8
 BRADNER PLACE SOUTH, et. al. - BY SEWERS, STORM DRAINS, WATER MAINS, etc.
 FEDERAL AID PROJECT NO. I 90 - 1(262)

Item No.	Bid Item with unit price Bid (to be written in words)	ESTIMATED Quantity & Units	Unit Price		Amount	
			Dollars	Cts.	Dollars	Cts.
8	REMOVE PIPE	350 LF	10	00	3,500	00
SP	_____ dollars Unit Price in Words					
9	REMOVE AND REINSTALL CULVERT	50 EA	10	00	500	00
SP	_____ dollars Unit Price in Words					
10	REMOVE MANHOLE	5 EA	500	00	2,500	00
SP	_____ dollars Unit Price in Words					
11	REMOVE CATCH BASIN OR SAND BOX	8 EA	200	00	1,600	00
SP	_____ dollars Unit Price in Words					
12	REMOVE INLET	7 EA	150	00	1,050	00
SP	_____ dollars Unit Price in Words					
13	REMOVE HYDRANT	2 EA	350	00	700	00
SP	_____ dollars Unit Price in Words					
14	REMOVE VALVE	2 EA	250	00	500	00
SP	_____ dollars Unit Price in Words					

Contractor's Initials: _____
 104F12:2

Subtotal this Page \$ 10,350.00

SR-90 - SEATTLE STREET AND UTILITY RECONSTRUCTION CONTRACT 8
 BRADNER PLACE SOUTH, et. al. - BY SEWERS, STORM DRAINS, WATER MAINS, etc.
 FEDERAL AID PROJECT NO. I 90 - 1(262)

Item No.	Bid Item with unit price Bid (to be written in words)	ESTIMATED Quantity & Units	Unit Price		Amount	
			Dollars	Cts.	Dollars	Cts.
15	REMOVE VALVE CHAMBER	2 EA	300	00	600	00
SP	_____ dollars Unit Price in Words					
16	REMOVE STEPS	55 SF	3	00	165	00
SP	_____ dollars Unit Price in Words					
17	SAW CEM CONC, 2-INCH MIN DEPTH	1,200 LF	3	00	3,600	00
SP	_____ dollars Unit Price in Words					
18	SAW ASPHALT CONC, FULL DEPTH	440 LF	3	00	1,320	00
SP	_____ dollars Unit Price in Words					
19	ABANDON AND FILL PIPE	1,450 LF	10	00	14,500	00
SP	_____ dollars Unit Price in Words					
20	BORROW, UNCLASSIFIED	3,550 CY	10	00	35,500	00
SP	_____ dollars Unit Price in Words					
21	EMBANKMENT COMPACTION	3,550 CY	1	50	5,325	00
SP	_____ dollars Unit Price in Words					

Contractor's Initials: _____
 104F12:3

Subtotal this Page \$ 61,010.00

SR-90 - SEATTLE STREET AND UTILITY RECONSTRUCTION CONTRACT 8
 BRADNER PLACE SOUTH, et. al. - BY SEWERS, STORM DRAINS, WATER MAINS, etc.
 FEDERAL AID PROJECT NO. I 90 - 1(262)

Item No.	Bid Item with unit price Bid (to be written in words)	ESTIMATED Quantity & Units	Unit Price		Amount	
			Dollars	Cts.	Dollars	Cts.
22	MINERAL AGGREGATE TYPE 1 OR 2	1,195 TON	17	00	20,315	00
SP	_____ dollars Unit Price in Words					
23	PAVMT, ASPHALT CONC, CL B	450 TON	55	00	24,750	00
SP	_____ dollars Unit Price in Words					
24	PAVMT PATCH, CEM CONC, CLASS 6.5 (1-1/2) H.E.S	70 CY	125	00	8,750	00
SP	_____ dollars Unit Price in Words					
25	PAVMT, THICKENED EDGE	1,350 LF	2	50	3,375	00
SP	_____ dollars Unit Price in Words					
26	PAVMT PATCH, ASPH CONC, CL B	50 TON	75	00	3,750	00
SP	_____ dollars Unit Price in Words					
27	PAVMT PATCH, TEMP, MC250	25 TON	50	00	1,250	00
SP	_____ dollars Unit Price in Words					
28	MANHOLE, TYPE 130	17 EA	1,900	00	32,300	00
SP	_____ dollars Unit Price in Words					

Contractor's Initials: _____
 104F12:4

Subtotal this Page \$ 94,490.00

SR-90 - SEATTLE STREET AND UTILITY RECONSTRUCTION CONTRACT 8
 BRADNER PLACE SOUTH, et. al. - BY SEWERS, STORM DRAINS, WATER MAINS, etc.
 FEDERAL AID PROJECT NO. I 90 - 1(262)

Item No.	Bid Item with unit price Bid (to be written in words)	ESTIMATED Quantity & Units	Unit Price		Amount	
			Dollars	Cts.	Dollars	Cts.
29	EXTRA DEPTH, TYPE 130 MANHOLE	27 VF	200	00	5,400	00
SP	_____ dollars Unit Price in Words					
30	RECHANNEL MANHOLE	3 EA	600	00	1,800	00
SP	_____ dollars Unit Price in Words					
31	CHANNEL EXISTING MANHOLE	2 EA	500	00	1,000	00
SP	_____ dollars Unit Price in Words					
32	CATCH BASIN, TYPE 171A	1 EA	1,600	00	1,600	00
SP	_____ dollars Unit Price in Words					
33	CATCH BASIN, TYPE 171B	8 EA	1,700	00	13,600	00
SP	_____ dollars Unit Price in Words					
34	INLET, TYPE 166	4 EA	1,000	00	4,000	00
SP	_____ dollars Unit Price in Words					
35	PIPE ANCHOR	10 EA	300	00	3,000	00
SP	_____ dollars Unit Price in Words					

Contractor's Initials: _____
 104F12:5

Subtotal this Page \$ 30,400.00

SR-90 - SEATTLE STREET AND UTILITY RECONSTRUCTION CONTRACT 8
 BRADNER PLACE SOUTH, et. al. - BY SEWERS, STORM DRAINS, WATER MAINS, etc.
 FEDERAL AID PROJECT NO. I 90 - 1(262)

Item No.	Bid Item with unit price Bid (to be written in words)	ESTIMATED Quantity & Units	Unit Price		Amount	
			Dollars	Cts.	Dollars	Cts.
36	PIPE, CB CONN, CONC C14 CL 3, 8 IN	260 LF	25	00	6,500	00
SP	_____ dollars Unit Price in Words					
37	PIPE, INLET CONN, CONC C14, CL 3, 8 IN	100 LF	23	00	2,300	00
SP	_____ dollars Unit Price in Words					
38	DROP CONN, 8-IN	8 VF	62	50	500	00
SP	_____ dollars Unit Price in Words					
39	PIPE, WM, D.I. CL 52, 8 IN, INC FTNGS	1,380 LF	30	00	41,400	00
SP	_____ dollars Unit Price in Words					
40	PIPE, WM, D.I. CL 52, FLEXIBLE TENSION JOINT, 8 IN INC FTNGS	570 LF	40	00	22,800	00
SP	_____ dollars Unit Price in Words					
41	TAPPING SLEEVE 8 IN x 6 IN AND TAPPING GATE VALVE, 6 IN	2 EA	1,200	00	2,400	00
SP	_____ dollars Unit Price in Words					
42	BLOCKING, CEM CONC	7 CY	75	00	525	00
SP	_____ dollars Unit Price in Words					

Contractor's Initials: _____
 104F12:6

Subtotal this Page \$ 76,425.00

SR-90 - SEATTLE STREET AND UTILITY RECONSTRUCTION CONTRACT 8
 BRADNER PLACE SOUTH, et. al. - BY SEWERS, STORM DRAINS, WATER MAINS, etc.
 FEDERAL AID PROJECT NO. I 90 - 1(262)

Item No.	Bid Item with unit price Bid (to be written in words)	ESTIMATED Quantity & Units	Unit Price		Amount	
			Dollars	Cts.	Dollars	Cts.
43	VALVE, GATE OR BUTTERFLY, 8 IN	7 EA	600	00	4,200	00
SP	_____ dollars Unit Price in Words					
44	AIR RELEASE VALVE, 1 IN, INC VALVE CHAMBER	1 EA	2,000	00	2,000	00
SP	_____ dollars Unit Price in Words					
45	VALVE BOX, CAST IRON	10 EA	100	00	1,000	00
SP	_____ dollars Unit Price in Words					
46	HYDRANT, 6 IN CONN, TYPE 180	2 EA	1,500	00	3,000	00
SP	_____ dollars Unit Price in Words					
47	BEAM GUARD RAIL, SINGLE	60 LF	45	00	2,700	00
SP	_____ dollars Unit Price in Words					
48	BEDDING, CL B, 6 IN PIPE	235 LF	3	00	705	00
SP	_____ dollars Unit Price in Words					
49	BEDDING, CL B, 8 IN PIPE	980 LF	3	50	3,430	00
SP	_____ dollars Unit Price in Words					

Contractor's Initials: _____
 104F12:7

Subtotal this Page \$ 17,035.00

SR-90 - SEATTLE STREET AND UTILITY RECONSTRUCTION CONTRACT 8
 BRADNER PLACE SOUTH, et. al. - BY SEWERS, STORM DRAINS, WATER MAINS, etc.
 FEDERAL AID PROJECT NO. I 90 - 1(262)

Item No.	Bid Item with unit price Bid (to be written in words)	ESTIMATED Quantity & Units	Unit Price		Amount	
			Dollars	Cts.	Dollars	Cts.
50	BEDDING, CL B, 12 IN PIPE	1,095 LF	4	00	4,380	00
SP	_____ dollars Unit Price in Words					
51	BEDDING, CL B, 18 IN PIPE	260 LF	5	50	1,430	00
SP	_____ dollars Unit Price in Words					
52	PIPE, PSD, CONC REINF C76 CL. IV, 12 IN	820 LF	32	00	26,240	00
SP	_____ dollars Unit Price in Words					
53	PIPE, PSD, CONC REINF C76 CL. III, 18 IN	130 LF	35	00	4,550	00
SP	_____ dollars Unit Price in Words					
54	PIPE, PSD, D.I., CL 56, 18 IN	260 LF	60	00	15,600	00
SP	_____ dollars Unit Price in Words					
55	PIPE, PSD, D.I., CL 52, FLEXIBLE 12 IN	140 LF	45	00	6,300	00
SP	_____ dollars Unit Price in Words					
56	PIPE, PSD, D.I., CL 56, 12 IN	205 LF	35	00	7,175	00
SP	_____ dollars Unit Price in Words					

Contractor's Initials: _____
 104F12:8

Subtotal this Page \$ 65,675.00

SR-90 - SEATTLE STREET AND UTILITY RECONSTRUCTION CONTRACT 8
 BRADNER PLACE SOUTH, et. al. - BY SEWERS, STORM DRAINS, WATER MAINS, etc.
 FEDERAL AID PROJECT NO. I 90 - 1(262)

Item No.	Bid Item with unit price Bid (to be written in words)	ESTIMATED Quantity & Units	Unit Price		Amount	
			Dollars	Cts.	Dollars	Cts.
57	PIPE, PS, CONC C14 CL 3, 8 IN	550 LF	30	00	16,500	00
SP	_____ dollars Unit Price in Words					
58	PIPE, PS, CONC REINF C76 CL IV, 12 IN	275 LF	32	00	8,800	00
SP	_____ dollars Unit Price in Words					
59	PIPE, PS, CONC REINF C76 CL III, 18 IN	130 LF	35	00	4,550	00
SP	_____ dollars Unit Price in Words					
60	PIPE, PS, D.I., CL 56, 18 IN	260 LF	60	00	15,600	00
SP	_____ dollars Unit Price in Words					
61	PIPE, PS, D.I., CL 52, FLEXIBLE TENSION JOINT, 8 IN	140 LF	40	00	5,600	00
SP	_____ dollars Unit Price in Words					
62	PIPE, PS, D.I., CL 56, 8 IN	225 LF	30	00	6,750	00
SP	_____ dollars Unit Price in Words					
63	TEE, CONC, 6 IN	13 EA	60	00	780	00
SP	_____ dollars Unit Price in Words					

Contractor's Initials: _____
 104F12:9

Subtotal this Page \$ 58,580.00

SR-90 - SEATTLE STREET AND UTILITY RECONSTRUCTION CONTRACT 8
 BRADNER PLACE SOUTH, et. al. - BY SEWERS, STORM DRAINS, WATER MAINS, etc.
 FEDERAL AID PROJECT NO. I 90 - 1(262)

Item No.	Bid Item with unit price Bid (to be written in words)	ESTIMATED Quantity & Units	Unit Price		Amount	
			Dollars	Cts.	Dollars	Cts.
64	TEE, D.I., 6 IN	1 EA	100	00	100	00
SP	_____ dollars Unit Price in Words _____					
65	TEE, CONC, 8 IN	9 EA	75	00	675	00
SP	_____ dollars Unit Price in Words _____					
66	TEE, D.I., 8 IN	4 EA	150	00	600	00
SP	_____ dollars Unit Price in Words _____					
67	PIPE, SS, CONC C14 CL 3, 6 IN	235 LF	20	00	4,700	00
SP	_____ dollars Unit Price in Words _____					
68	PIPE, SD, CONC C14 CL 3, 8 IN	70 LF	23	00	1,610	00
SP	_____ dollars Unit Price in Words _____					
69	TEE, TEST, CONC, 6 IN	8 EA	100	00	800	00
SP	_____ dollars Unit Price in Words _____					
70	ADJUST MH, CB OR VC	2 EA	250	00	500	00
SP	_____ dollars Unit Price in Words _____					

Contractor's Initials: _____
 104F12:10

Subtotal this Page \$ 8,985.00

0 - SEATTLE STREET AND UTILITY RECONSTRUCTION CONTRACT 8
 ADNER PLACE SOUTH, et. al. - BY SEWERS, STORM DRAINS, WATER MAINS, etc.
 FEDERAL AID PROJECT NO. I 90 - 1(262)

Item No.	Bid Item with unit price Bid (to be written in words)	ESTIMATED Quantity & Units	Unit Price		Amount	
			Dollars	Cts.	Dollars	Cts.
71	ADJUST INLET	4 EA	250	00	1,000	00
SP	_____ dollars Unit Price in Words					
72	EROSION CONTROL, HYDROSEEDING	9,000 SF	0	20	1,800	00
SP	_____ dollars Unit Price in Words					
73	EROSION CONTROL, SHEAR BOARDS	500 LF	1	50	750	00
SP	_____ dollars Unit Price in Words					
74	SHRUB, CONIFEROUS EVERGREEN, 5 GAL	65 EA	30	00	1,950	00
SP	_____ dollars Unit Price in Words					
75	PLANTING SOIL	70 CY	25	00	1,750	00
SP	_____ dollars Unit Price in Words					
76	SODDING	5,700 SF	1	00	5,700	00
SP	_____ dollars Unit Price in Words					
77	CURB AND GUTTER, CEM CONC	360 LF	10	00	3,600	00
SP	_____ dollars Unit Price in Words					

Contractor's Initials: _____
 104F12:11

Subtotal this Page \$ 16,550.00

SR-90 - SEATTLE STREET AND UTILITY RECONSTRUCTION CONTRACT 8
 BRADNER PLACE SOUTH, et. al. - BY SEWERS, STORM DRAINS, WATER MAINS, etc.
 FEDERAL AID PROJECT NO. I 90 - 1(262)

Item No.	Bid Item with unit price Bid (to be written in words)	ESTIMATED Quantity & Units	Unit Price		Amount	
			Dollars	Cts.	Dollars	Cts.
78	RELOCATE FENCE	95 LF	10	00	9,500	00
SP	_____ dollars Unit Price in Words _____					
79	RESET MONUMENT, FRAME AND COVER	5 EA	100	00	500	00
SP	_____ dollars Unit Price in Words _____					
80	SIDEWALK, CEM CONC	1,65 SY	18	00	2,970	00
SP	_____ dollars Unit Price in Words _____					
81	CURB RAMP, CEM CONC	2 EA	300	00	600	00
SP	_____ dollars Unit Price in Words _____					
82	DRIVEWAY, CEM CONC, 6 IN	50 SY	20	00	1,000	00
SP	_____ dollars Unit Price in Words _____					
	_____ dollars Unit Price in Words _____					
	_____ dollars Unit Price in Words _____					

Contractor's Initials: _____
 104F12:13

Subtotal this Page \$14,570.00

SR-90 - SEATTLE STREET AND UTILITY RECONSTRUCTION CONTRACT 8
 BRADNER PLACE SOUTH, et. al. - BY SEWERS, STORM DRAINS, WATER MAINS, etc.
 FEDERAL AID PROJECT NO. I 90 - 1(262)

Item No.	Bid Item with unit price Bid (to be written in words)	ESTIMATED Quantity & Units	Unit Price		Amount	
			Dollars	Cts.	Dollars	Cts.

PROPOSAL SUMMARY

Basic Proposal Total (Items 1 through 87 inclusive) \$ 519,205.00

(Use this figure on the last page of the
 proposal for bid opening purposes)

State Sales Tax (7.9%) \$ 41,017.19

Basic Proposal Total
 Including State Sales Tax \$ 560,222.19

(Use this figure for bond determination)

Contractor's Initials: _____
 104F12:14

EXHIBIT 'B-1'

MATERIALS COST	560222	
MASSACHUSETTS ST. WATER LINE	17095	
	<hr/>	
SUBTOTAL	577317	
WATER DEPT. CITY FORCES	31453	
FIRE CONTROL STUBOUT, STANDARD CHARGE	6500	
	<hr/>	
	37953	
MATERIALS COST:	577317	
ENGINEERING AT 15%:	86600	
	<hr/>	
SUBTOTAL:		663917
WATER DEPT.:	31453	
FIRE CONTROL STUBOUT:	6500	
	<hr/>	
SUBTOTAL:		37953
TOTAL AGREEMENT:		701870

T.O. 8 TOTAL	571730
SUPPLIMENT NO. 1 TOTAL	701870
	<hr/>
NET INCREASE	130140

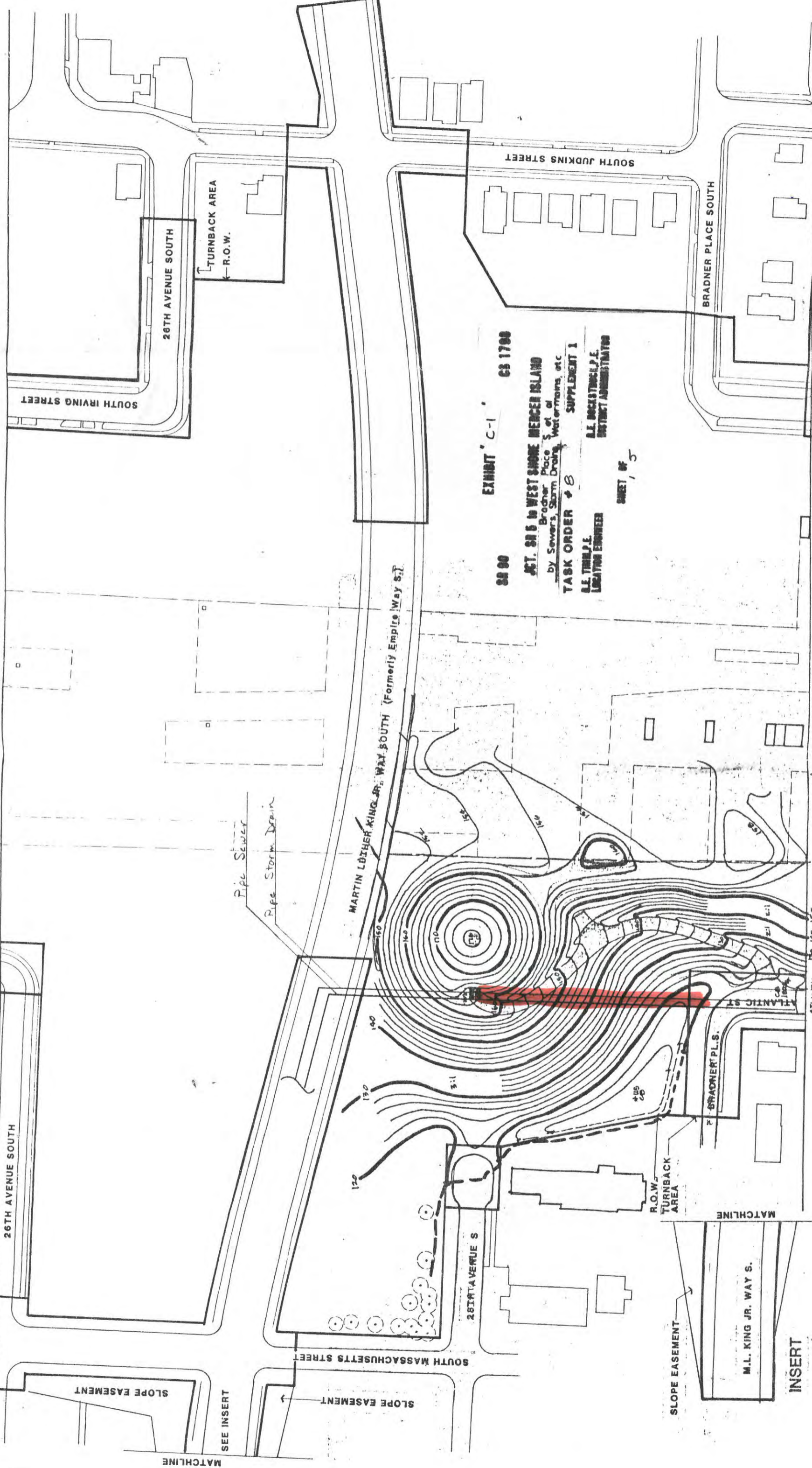
T.24N. R.4E. W.M.

MATCHLINE SEE SHEET 10

26TH AVENUE SOUTH

26TH AVENUE SOUTH

MATCHLINE



SOUTH IRVING STREET

26TH AVENUE SOUTH

TURNBACK AREA
R.O.W.

MARTIN LUTHER KING JR. WAY SOUTH (Formerly Empire Way S.)

28TH AVENUE S

SOUTH MASSACHUSETTS STREET

EXHIBIT 'C-1' 68 1700

ACT. 98 5 IN WEST SHORE MERCER ISLAND

by Sewers, Storm Drain, Watermains, etc

TASK ORDER # 8 SUPPLEMENT 1

A.L. THOMPSON, P.E. DISTRICT ADMINISTRATOR

SHEET OF 15

BRADNER PLACE SOUTH

SOUTH JUDKINS STREET

Pipe Sewer
Pipe Storm Drain

BRADNER P.L.S.

R.O.W.
TURNBACK AREA

SLOPE EASEMENT

M.L. KING JR. WAY S.

INSERT

MATCHLINE SEE SHEET 12



HIGHWAY DIVISION

Washington State
Department of Transportation



GRADING & LAYOUT
PLAN

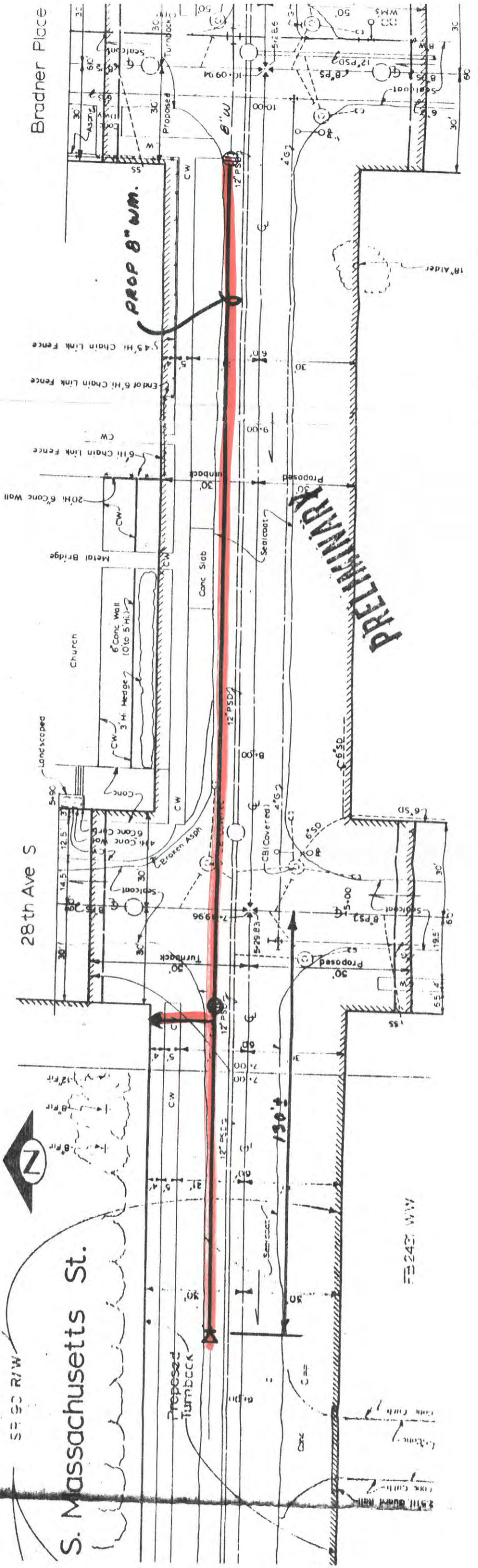
AWN	DATE	REGION NO.	STATE FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
CKED		10	WASH		

SHEET

EXHIBIT "C-1" CS 1700

ACT. 88 B TO WEST SHORE MERCER ISLAND
Bradner Place S et al
by Sewers Storm Drain Watermain, etc
TASK ORDER # 8 SUPPLEMENT 1
A.L. THOMPSON, L.C.E.
LOCALITY ENGINEER
A.L. BOCKSTADT, L.C.E.
DISTRICT ADMINISTRATOR

SHEET OF 2 8



S. Massachusetts St.

28th Ave S

Bradner Place

PROP 8" WM.

PRELIMINARY

FE 243 W/W

130.5

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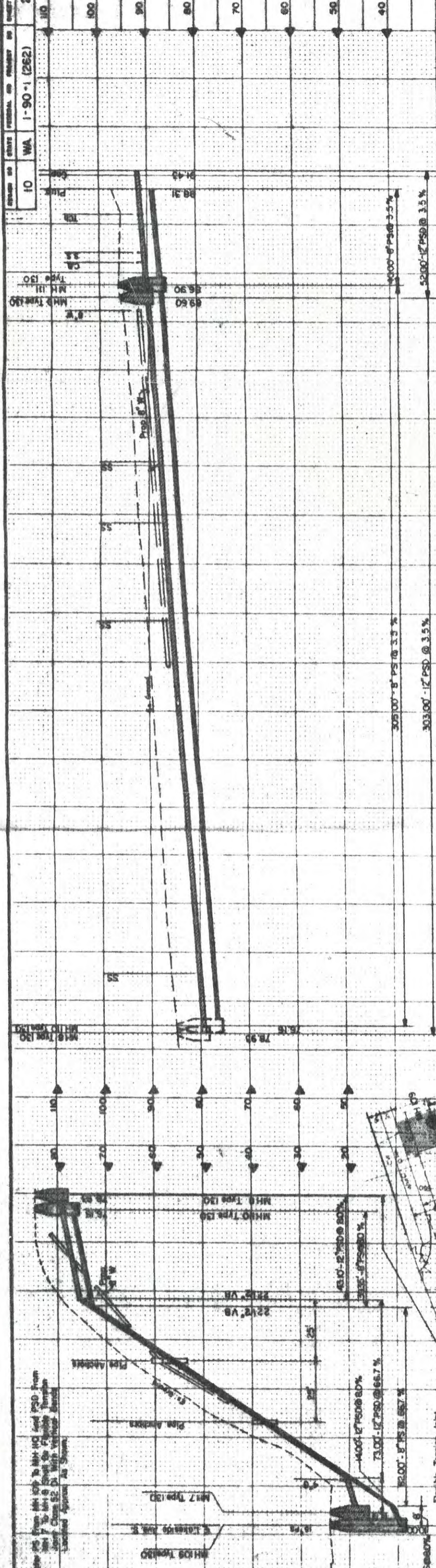
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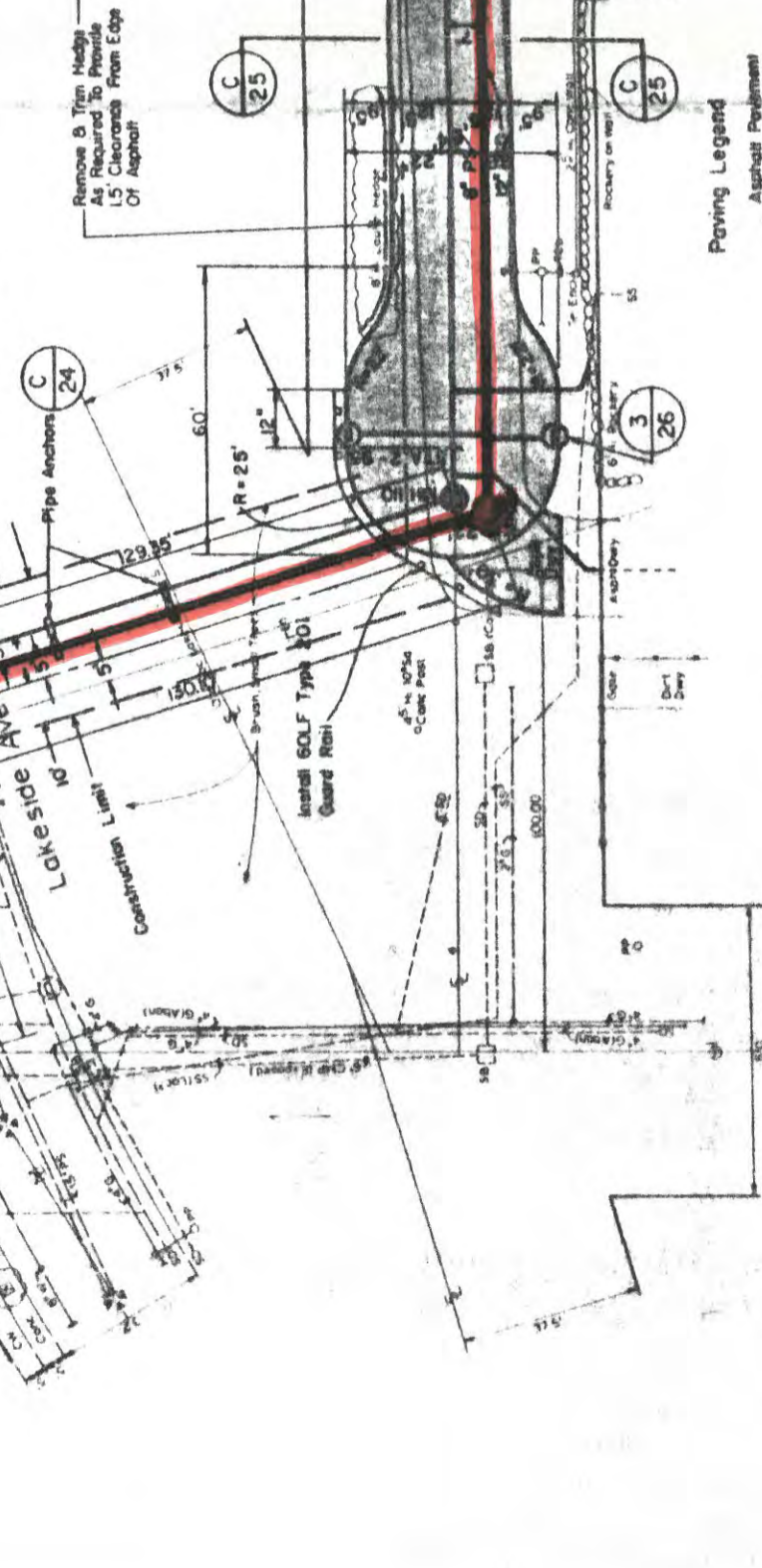
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Note: 2' x 4" Shearboard Shaded At 5'-0" O.C. From Toe To Top Of Slope. Shearboards Shall Extend Across All Trenches. Hydroseed Entire Disturbed Area.

Note: 2' x 4" Shearboard Shaded At 5'-0" O.C. From Toe To Top Of Slope. Shearboards Shall Extend Across All Trenches. Hydroseed Entire Disturbed Area.



35th Ave S

S Irving St

Paving Legend
 Asphalt Pavement
 Concrete Pavement

EXHIBIT C-1

88 80

66 1796

S. Judkins St.

THIS DRAWING REDUCED APPROX. 1/2 SIZE
 Sewer and Storm Drain Improvements
 SR 90 - Seattle

Street & Utility Reconstruction
 Contract 8
 Bradner Place S, et al
 by Sewers, Storm Drains, Watermains, etc.

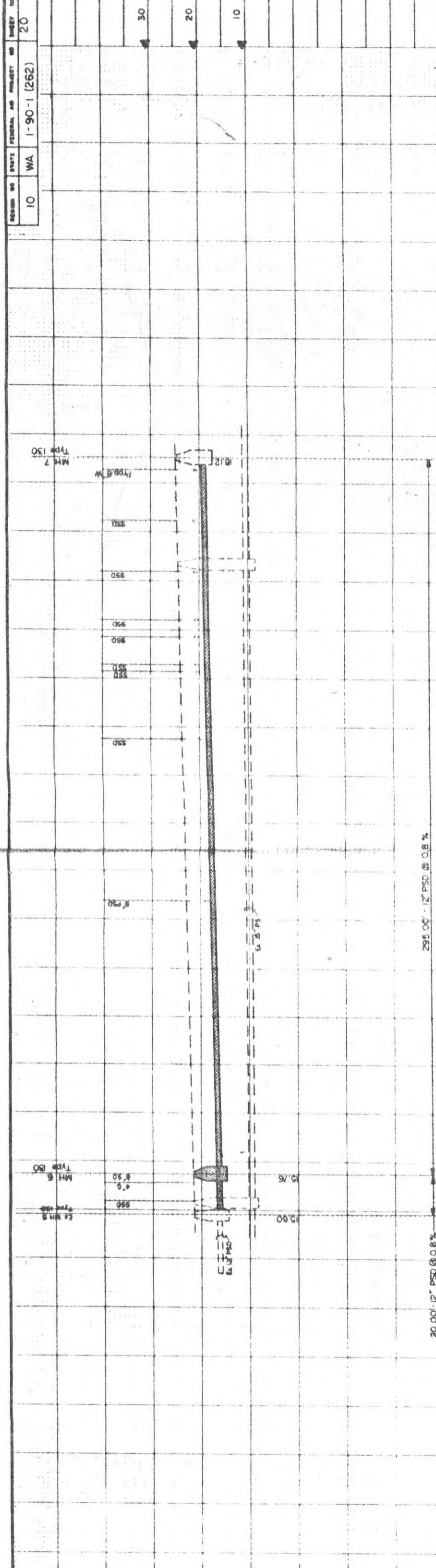
TASK ORDER # 8 SUPPLEMENT 1
 R.L. THOMPSON, INC.
 CONSULTING ENGINEER
 S. JUDKINS ST. SEATTLE, WA 98104

APPROVED FOR ADJUSTMENTS BY THE BOARD OF PUBLIC WORKS	DATE

MARK OR INITIALS AND DATE	REVISIONS AND DATE

DATE	REVISIONS AND DATE

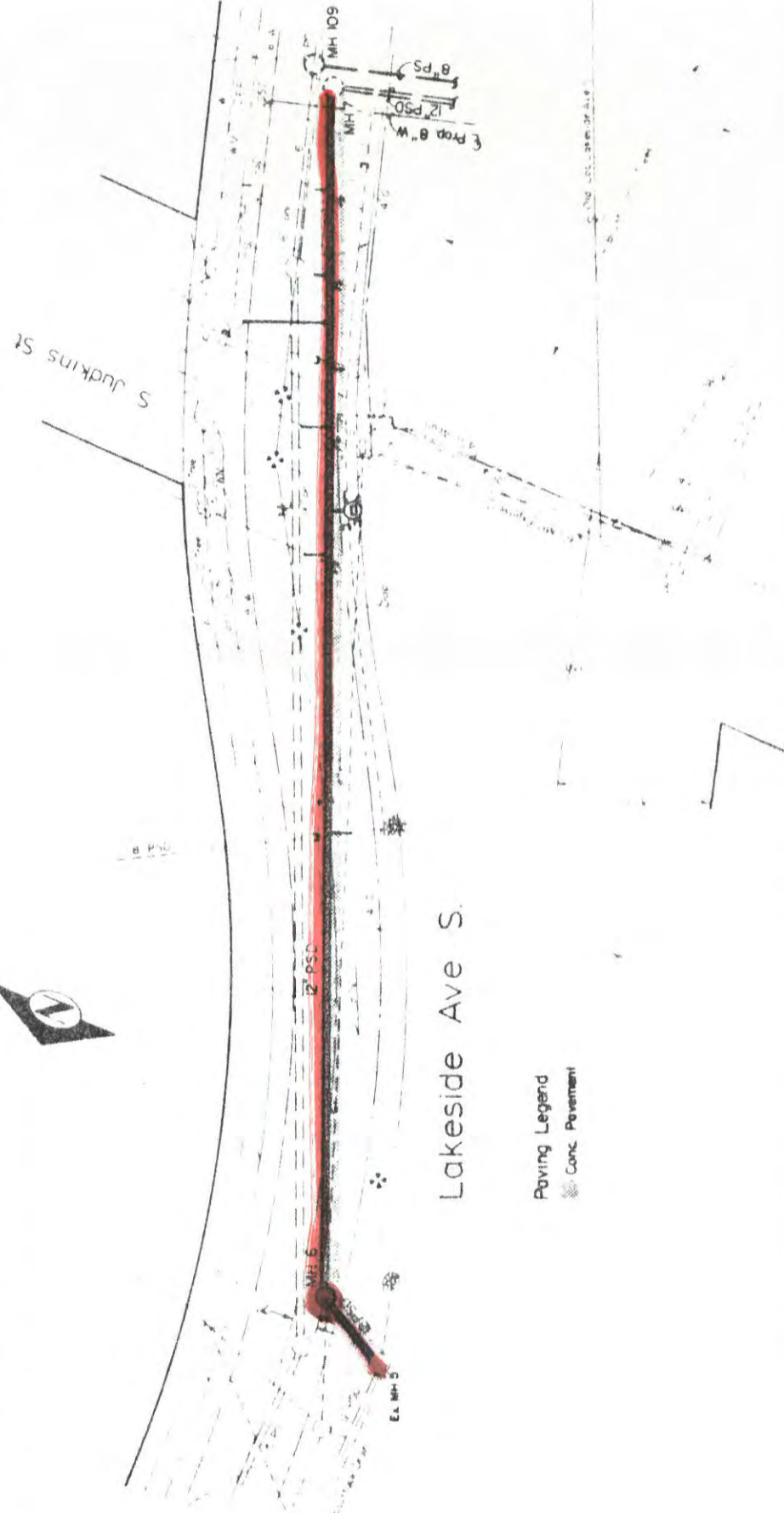
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S Judkins St

Lakeside Ave S.

Paving Legend
 Conc Pavement



3A 00 EXHIBIT "C-1" CS 1700

ACT. SR 5 IN WEST SHORE MERCER ISLAND
 by Bradner Place S, et al
 by Sewers, Storm Drains, Watermains, etc

TASK ORDER # 8 SUPPLEMENT 1
 A.L. TIMPLI, E.
 LOCATING ENGINEER
 A.L. BOCKSTUCK, J.E.
 DISTRICT ADMINISTRATOR

SHEET OF 4 5

THIS DRAWING REDUCED
 Paving Plan & APPROX. 1/2 SIZE
 Storm Drain Improvements

SR 90 - Seattle
 Street & Utility Reconstruction
 Contract #
 Bradner Place S, et al
 by Sewers, Storm Drains, Watermains, etc

THE CITY OF SEATTLE
 DEPARTMENT OF ENGINEERING
 ENGINEER IN CHARGE P.E. DIRECTOR OF ENGINEERING
 APPROVED NO. _____
 SCALE: _____

NAME OR INITIALS AND DATE	INITIALS AND DATE
DESIGNED	REVIEWED
CHECKED	DESIGNED
DRAWN	PROJ. ENG.
CHECKED	RECEIVED
DESIGN REVIEW	REVISED AS BUILT

APPROVED FOR ADVERTISING
 BY THE BOARD OF PUBLIC WORKS
 SEATTLE WASHINGTON 18
 ATTNEY _____ CHAIRMAN
 EXECUTIVE SECRETARY _____ PROJECT NO. _____

ISSUED FOR THE BOARD OF PUBLIC WORKS
 SEATTLE WASHINGTON
 DATE: _____
 BY: _____
 TITLE: _____

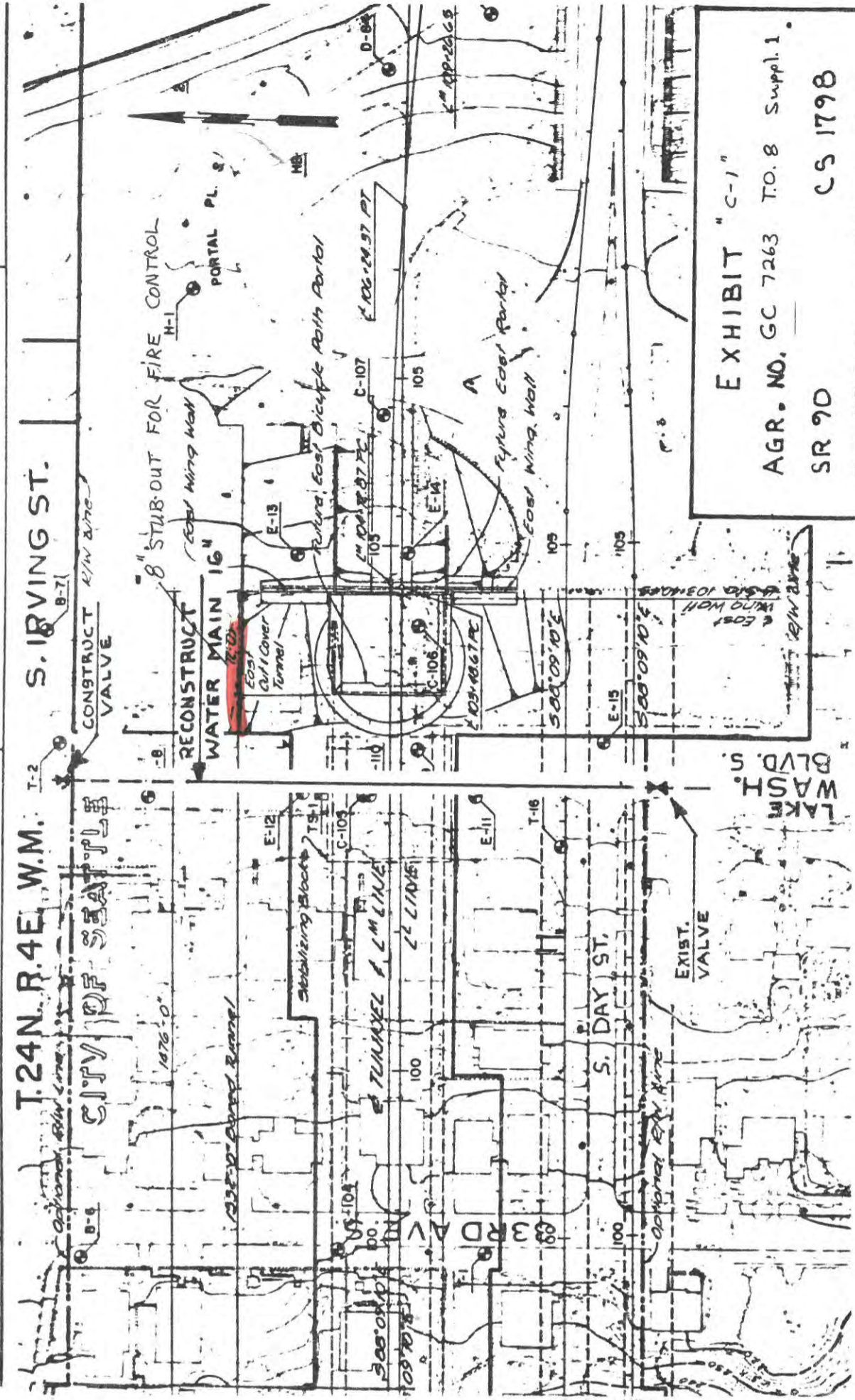


EXHIBIT "C-1"
 AGR. NO. GC 7263 TO.8 Suppl.1.
 SR 90 CS 1798
 DIST. SR 5 TO W. SHORE M.I.
 SEATTLE WATER DEPT.
 R.E. TIMM, P.E. R.E. BOCKSTRUCK, PE
 LOC. ENGR. DIST. ADMIN.
 SH. 5 OF 5 SH.



COUNCIL BILL No. _____

AN ORDINANCE authorizing the Mayor to enter into agreements with the Washington State Department of Transportation for financial assistance for making traffic circulation changes and relocating utilities to accommodate construction of Interstate 90; making reimbursable appropriations from the Engineering Operating Fund, Arterial City Street Fund and the Sewer Fund; and authorizing the hiring of consultants and the awarding of contracts.

The City of Seattle--Legislative Department

Date Reported
and Adopted

REPORT OF COMMITTEE

Honorable President:

Your Committee on _____

to which was referred the within Council Bill No. _____ report that we have considered the same and respectfully recommend that the same:

Produced:	By:
Referred:	To:
Referred:	To:
Referred:	To:
Reported:	Second Reading:
Third Reading:	Signed:
Presented to Mayor:	Approved:
Returned to City Clerk:	Published:
Approved by Mayor:	Veto Published:
Passed over Veto:	Veto Sustained:

COMPTROLLER FILE No. _____

Committee Chair

ORD# 111246

111246

AGREEMENT GC 7263

TASK ORDER No. 15

This Task Order, made and entered into this 14th day of August, 1987, between the STATE OF WASHINGTON, DEPARTMENT OF TRANSPORTATION, hereinafter referred to as the "STATE" and the CITY of SEATTLE, for and on behalf of its water and sewer utilities, hereinafter referred to as the "CITY";

WHEREAS, Master Agreement GC 7263, entered into between the STATE and the CITY on August 8, 1983, is incorporated and by this reference made a part of this Task Order as if fully set forth herein.

WHEREAS, the STATE is planning the construction or improvement of SR 90 - Lakeside Avenue South Retaining Wall, relating to water and sewer utility relocation work done under a previous task order, and

WHEREAS, water and sewer work done under Task Order 8 to GC 7263, between 35th Avenue South and Lakeside Avenue South at South Judkins Street left a steep hillside, through which a deep trench was dug and subsequently backfilled with imported material, exposed and susceptible to sliding, and

WHEREAS, slide conditions have developed with surface material moving each time there is a heavy rain storm in the area, and

WHEREAS, there is concern that a major slide could occur because of the steepness of the hillside, which could expose and damage the newly installed 8 inch waterline, 12 inch storm drain and 8 inch sewerline currently covered by the trench material, and

WHEREAS, it has been determined that the best solution to the problem is to construct a retaining wall which will flatten the slope of the hillside sufficiently to prevent a slide from occurring.

WHEREAS, previous Task Order 8 was 100 percent STATE cost, because of problems due to construction under Task Order 8, Task Order 15 has been created to repair said problems and is deemed 100 percent STATE cost.

NOW THEREFORE, it is mutually agreed as follows:

The work proposed under this task order contemplates the construction of a concrete panel, soldier pile retaining wall with backfill material sufficient to flatten the slope behind it to at least a 1-1/2 foot run to a 1 foot rise slope ratio.

This work is necessary because of the unstable slope condition left from the steep hill, deep trench work done to install water, sewer and storm drain lines under the "SR 90 - South Bradner Place" utility relocation contract. This unstable condition with subsequent sliding could not have been foreseen prior to the actual construction.

Because the need for this wall was brought about by SR 90 utility work done under Master Agreement GC 7263, this Task Order and subsequent contract is deemed a utility item and subject to all related requirements for Federal Highway Administration (FHWA) funded utility relocation work.

I. Work To Be Performed By the State

Provide needed liaison between CITY, STATE and Federal officials. Obtain necessary approvals for change orders.

II. Work To Be Performed By the CITY:

Administer the contract, respond to STATE requests and prepare and submit monthly billings to the STATE.

An itemized estimate of cost for work to be performed by the CITY marked Exhibit "B" is attached hereto, and by this reference made a part of this Task Order.

Exhibit "A", Specifications and Special Considerations and Exhibit "C", vicinity map are attached hereto and by this reference made a part of this Task Order.

III. Payment

Payment under this Task Order will be made on actual direct and related indirect costs in accordance with Section IV, PAYMENT, of the Master Agreement.

IV. Miscellaneous

In accordance with the terms of Master Construction Agreement GC 7263, the CITY and STATE shall enter into a separate easement agreement to perpetuate existing or replacement property rights of the CITY, and to define the location and conditions of said easement.

V. Adjustments to Master Construction Agreement

Portions of some items of work under this Task Order have changed due to engineering judgments, design refinements, feasibility studies and other STATE criteria. See Exhibit "A" for specifics.

IN WITNESS WHEREOF, parties hereto have executed this Task Order as of the day and year first above written.

CITY OF SEATTLE

By: John Okamoto FOR 62
Director of Engineering

Date: 7/15/87

**STATE OF WASHINGTON
DEPARTMENT OF TRANSPORTATION**

By: [Signature]
Project Development Engineer

EXHIBIT "A"

SPECIFICATIONS AND SPECIAL CONSIDERATIONS

The work proposed under this Agreement contemplates the construction of a concrete panel soldier pile retaining wall as described herein and shown on Exhibit "C".

I. WORK TO BE PERFORMED BY THE STATE

NONE

II. WORK TO BE PERFORMED BY THE CITY

Sheet 1 of 2

Section A: Plan view and profile of fill detail.

Section B: Wall profile and soldier pile section. Construct 55 feet of soldier pile retaining wall. Place 38 3'x4'9"x8" concrete panels.

Sheet 2 of 2

Vicinity map and location of project.

III. BETTERMENTS

The construction or adjustments of the facilities, as required herein, do not constitute a betterment.

IV. ITEM VARIATION FROM MASTER CONSTRUCTION AGREEMENT

Due to design considerations and problems arising after construction began under Task Order 8 to GC 7263, the item of work proposed herein was not originally anticipated in the master construction agreement, of which this task order is a part. However, because this item of work became necessary due to work originally listed in the master construction agreement and accomplished under the master construction agreement, this item of work falls under Item 6 of work proposed "Miscellaneous Items".

EXHIBIT "B"

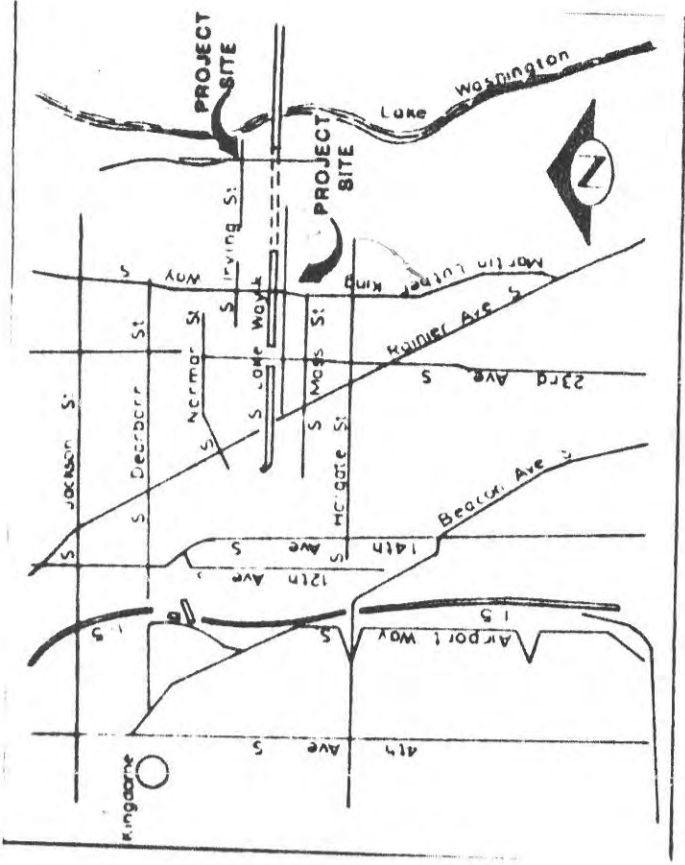
TASK ORDER NO. 15

GC 7263

The following estimate of cost is for funding purposes only. The STATE shall bare all cost incurred within this utility relocation agreement. Expected incurred cost will consist of material cost, contract administration, engineering fees and state sales tax.

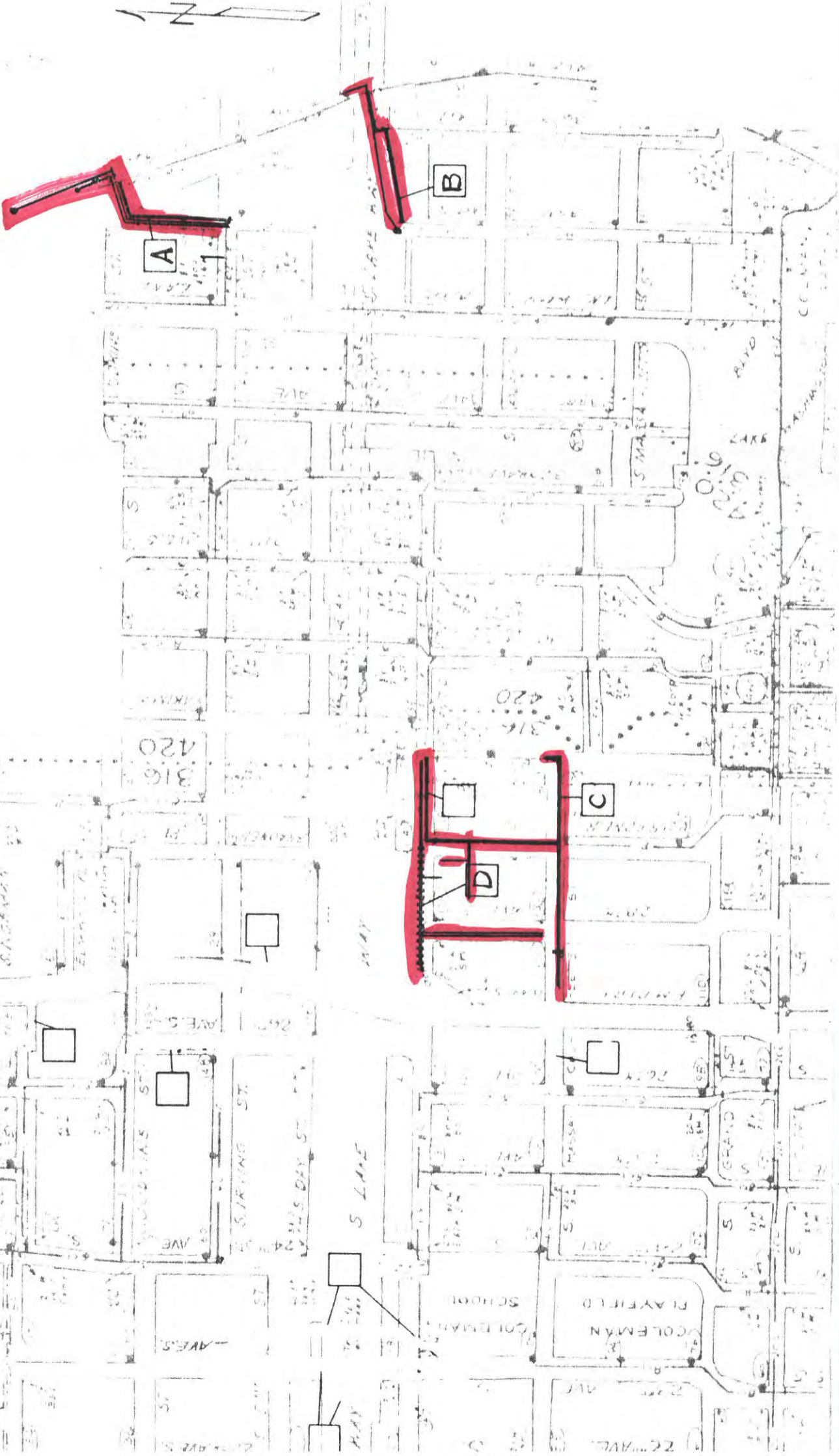
1. MATERIALS:

QTY.	UNIT	ITEM	UNIT PRICE	TOTAL
1	L.S.	MOBILIZATION	\$ 9,000.00	\$ 9,000.00
252	L.F.	H-PILES w/CAISONS PLACED	102.00	25,704.00
38	EA.	CONCRETE PANELS PLACED	140.00	5,320.00
1180	S.F.	FILTER FABRIC	1.30	1,534.00
540	C.Y.	GRAVEL BACKFILL	20.00	10,800.00
1	L.S.	HAND RAIL	1,000.00	1,000.00
55	EA.	1-GAL. PLANTS (BOSTON IVY)	10.00	550.00
53	C.Y.	50/50 WASHED SAND AND GRAVEL	20.00	1,060.00
100	HR.	TRAINING	5.00	500.00
SUBTOTAL MATERIALS:				55,468.00
STATE SALES TAX @			8.1%	4,492.91
SUBTOTAL:				59,960.91
ENGINEERING @			15.0%	8,994.14
ESTIMATED CONSTRUCTION COST: =====>				68,955.04
STATE FUNDING @ 100% :				\$ 68,955.04



VICINITY MAP
 NC Scale

- A- Water, Sewer and Stormdrain Trenches
- B- Water and Sewer Trenches
- C- Water Line Trenches
- D- Sewer and Stormdrain Trenches



SR 90 EXHIBIT C-2 CS 1706

ACT. SR 5 TO WEST SHORE MERCER ISLAND
 by Sowers, Storm Drain, Watermains, etc

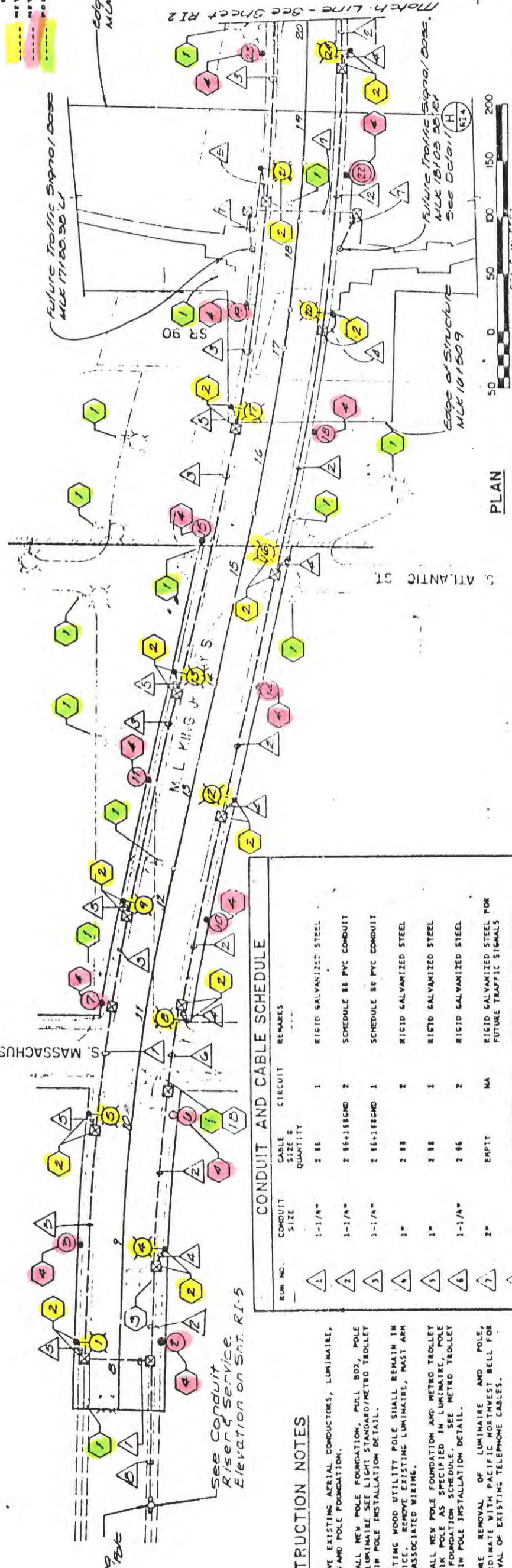
TASK ORDER # 8 SUPPLEMENT 2
 A.L. THOMPSON, P.E. DISTRICT ADMINISTRATOR

SHEET 1 OF

T.24 N. R.4E. W.M.

CITY OF SEATTLE

EXHIBIT "C"
 AGREEMENT UTOIQA
 33RD AVE TO LAKE WASHINGTON
 SEATTLE CITY LIGHT AND METRO
 LOCATION ENGINEER: RICK TOWN
 DISTRICT ADMINISTRATOR: RICK TOWN
 SHEET: 1 OF 1
 METRO'S Poles with LUMINAIRE
 METRO Poles ONLY
 Poles to be removed



CONDUIT AND CABLE SCHEDULE

ROW NO.	CONDUIT SIZE	CABLE SIZE & QUANTITY	CIRCUIT	REMARKS
1	1-1/4"	2 #6	1	RIGID GALVANIZED STEEL
2	1-1/4"	2 #6+1#8CD	2	SCHEDULE 80 PVC CONDUIT
3	1-1/4"	2 #6+1#8CD	3	SCHEDULE 80 PVC CONDUIT
4	1"	2 #8	2	RIGID GALVANIZED STEEL
5	1"	2 #8	1	RIGID GALVANIZED STEEL
6	1-1/4"	2 #6	2	RIGID GALVANIZED STEEL
7	2"	EMPTY	MA	RIGID GALVANIZED STEEL FOR FUTURE TRAFFIC SIGNALS
8	2"	4 #6+1#8CD	1&2	SCHEDULE 80 PVC CONDUIT

CONSTRUCTION NOTES

REMOVE EXISTING AERIAL CONDUCTORS, LUMINAIRE, POLE AND POLE FOUNDATION.

INSTALL NEW POLE FOUNDATION, PULL BOX, POLE AND LUMINAIRE SEE LIGHT STANDARD/METRO TROLLEY STRAIN POLE INSTALLATION DETAIL.

EXISTING WOOD UTILITY POLE SHALL REMAIN IN SERVICE. REMOVE EXISTING LUMINAIRE, MAST ARM AND ASSOCIATED WIRING.

INSTALL NEW POLE FOUNDATION AND METRO TROLLEY STRAIN POLE AS SPECIFIED IN LUMINAIRE, POLE AND FOUNDATION SCHEDULE. SEE METRO TROLLEY STRAIN POLE INSTALLATION DETAIL.

BEFORE REMOVAL OF LUMINAIRE AND POLE, COORDINATE WITH PACIFIC NORTHWEST BELL FOR REMOVAL OF EXISTING TELEPHONE CABLES.

LEGEND

EXIST: ————

TYPE 1 METRO TROLLEY STRAIN POLE WITH LUMINAIRE

TYPE 2 METRO TROLLEY STRAIN POLE WITH LUMINAIRE

TYPE 3 METRO TROLLEY STRAIN POLE WITH LUMINAIRE

TYPE 1 METRO TROLLEY STRAIN POLE

TYPE 2 METRO TROLLEY STRAIN POLE

TYPE 3 METRO TROLLEY STRAIN POLE

TYPE 1 JUNCTION BOX PER STANDARD PLAN J-11A

EMBEDDED CONDUIT

CONSTRUCTION NOTE IDENTIFIER

CONDUIT, CONDUCTOR AND CIRCUIT RUN IDENTIFIER

LUMINAIRE, POLE AND FOUNDATION SCHEDULE

POLE NUMBER	STATION NUMBER & OFFSET	POLE TYPE SEE SHEET E3	CIRCUIT NUMBER	MAST ARM LENGTH	LAMP	LUMINAIRE BALLAST	HOUSING
1	MLK 8+18 (38+L7)	LIGHT STANDARD/METRO TROLLEY - BASE ON GRADE	1	12'	480 WATT CLEAR MPS	LOW TEMP 8 240V, 218V VOLTAGE FLUCTUATION	CAST ALUMINUM SHORT CUTOFF TYPE II REFLECTOR
2	MLK 8+18 (38+R7)	LIGHT STANDARD/METRO TROLLEY - BASE ON GRADE	MA	NO ARM	MA	MA	MA
3	MLK 9+01 (38+L7)	LIGHT STANDARD/METRO TROLLEY - BASE ON GRADE	MA	NO ARM	MA	MA	MA
4	MLK 9+01 (38+R7)	LIGHT STANDARD/METRO TROLLEY - BASE ON GRADE	2	12'	480 WATT CLEAR MPS	LOW TEMP 8 240V, 218V VOLTAGE FLUCTUATION	CAST ALUMINUM SHORT CUTOFF TYPE II REFLECTOR
5	MLK 10+15 (38+L7)	LIGHT STANDARD/METRO TROLLEY - BASE ON GRADE	1	12'	480 WATT CLEAR MPS	LOW TEMP 8 240V, 218V VOLTAGE FLUCTUATION	CAST ALUMINUM SHORT CUTOFF TYPE II REFLECTOR
6	MLK 10+15 (38+R7)	LIGHT STANDARD/METRO TROLLEY - BASE ON GRADE	MA	NO ARM	MA	MA	MA
7	MLK 11+05 (38+L7)	LIGHT STANDARD/METRO TROLLEY - BASE ON GRADE	MA	NO ARM	MA	MA	MA
8	MLK 11+05 (38+R7)	LIGHT STANDARD/METRO TROLLEY - BASE ON GRADE	2	12'	480 WATT CLEAR MPS	LOW TEMP 8 240V, 218V VOLTAGE FLUCTUATION	CAST ALUMINUM SHORT CUTOFF TYPE II REFLECTOR
9	MLK 12+05 (38+L7)	LIGHT STANDARD/METRO TROLLEY - BASE ON GRADE	1	12'	480 WATT CLEAR MPS	LOW TEMP 8 240V, 218V VOLTAGE FLUCTUATION	CAST ALUMINUM SHORT CUTOFF TYPE II REFLECTOR
10	MLK 12+05 (38+R7)	LIGHT STANDARD/METRO TROLLEY - BASE ON GRADE	MA	NO ARM	MA	MA	MA
11	MLK 13+25 (38+L7)	LIGHT STANDARD/METRO TROLLEY - BASE ON GRADE	MA	NO ARM	MA	MA	MA
12	MLK 13+25 (38+R7)	LIGHT STANDARD/METRO TROLLEY - BASE ON GRADE	2	12'	480 WATT CLEAR MPS	LOW TEMP 8 240V, 218V VOLTAGE FLUCTUATION	CAST ALUMINUM SHORT CUTOFF TYPE II REFLECTOR
13	MLK 14+45 (38+L7)	LIGHT STANDARD/METRO TROLLEY - BASE ON GRADE	1	12'	480 WATT CLEAR MPS	LOW TEMP 8 240V, 218V VOLTAGE FLUCTUATION	CAST ALUMINUM SHORT CUTOFF TYPE II REFLECTOR
14	MLK 14+45 (38+R7)	LIGHT STANDARD/METRO TROLLEY - BASE ON GRADE	MA	NO ARM	MA	MA	MA
15	MLK 15+45 (38+L7)	LIGHT STANDARD/METRO TROLLEY - BASE ON GRADE	MA	NO ARM	MA	MA	MA
16	MLK 15+45 (38+R7)	LIGHT STANDARD/METRO TROLLEY - BASE ON GRADE	2	12'	480 WATT CLEAR MPS	LOW TEMP 8 240V, 218V VOLTAGE FLUCTUATION	CAST ALUMINUM SHORT CUTOFF TYPE II REFLECTOR
17	MLK 16+55 (38+L7)	LIGHT STANDARD/METRO TROLLEY - ON STRUCTURE	1	12'	480 WATT CLEAR MPS	LOW TEMP 8 240V, 218V VOLTAGE FLUCTUATION	CAST ALUMINUM SHORT CUTOFF TYPE II REFLECTOR
18	MLK 16+55 (38+R7)	LIGHT STANDARD/METRO TROLLEY - BASE ON GRADE	MA	NO ARM	MA	MA	MA
19	MLK 17+45 (38+L7)	LIGHT STANDARD/METRO TROLLEY - ON STRUCTURE	MA	NO ARM	MA	MA	MA
20	MLK 17+45 (38+R7)	LIGHT STANDARD/METRO TROLLEY - ON STRUCTURE	2	12'	480 WATT CLEAR MPS	LOW TEMP 8 240V, 218V VOLTAGE FLUCTUATION	CAST ALUMINUM SHORT CUTOFF TYPE II REFLECTOR
21	MLK 18+55 (38+L7)	LIGHT STANDARD/METRO TROLLEY - ON STRUCTURE	1	12'	480 WATT CLEAR MPS	LOW TEMP 8 240V, 218V VOLTAGE FLUCTUATION	CAST ALUMINUM SHORT CUTOFF TYPE II REFLECTOR
22	MLK 18+55 (38+R7)	LIGHT STANDARD/METRO TROLLEY - ON STRUCTURE	MA	NO ARM	MA	MA	MA
23	MLK 19+70 (38+L7)	LIGHT STANDARD/METRO TROLLEY - BASE ON GRADE	MA	NO ARM	MA	MA	MA
24	MLK 19+70 (38+R7)	LIGHT STANDARD/METRO TROLLEY - BASE ON GRADE	2	12'	480 WATT CLEAR MPS	LOW TEMP 8 240V, 218V VOLTAGE FLUCTUATION	CAST ALUMINUM SHORT CUTOFF TYPE II REFLECTOR

HIGHWAY DIVISION

Washington State Department of Transportation

STATE FED. AID PROJ. NO. 1-90-1

WASH

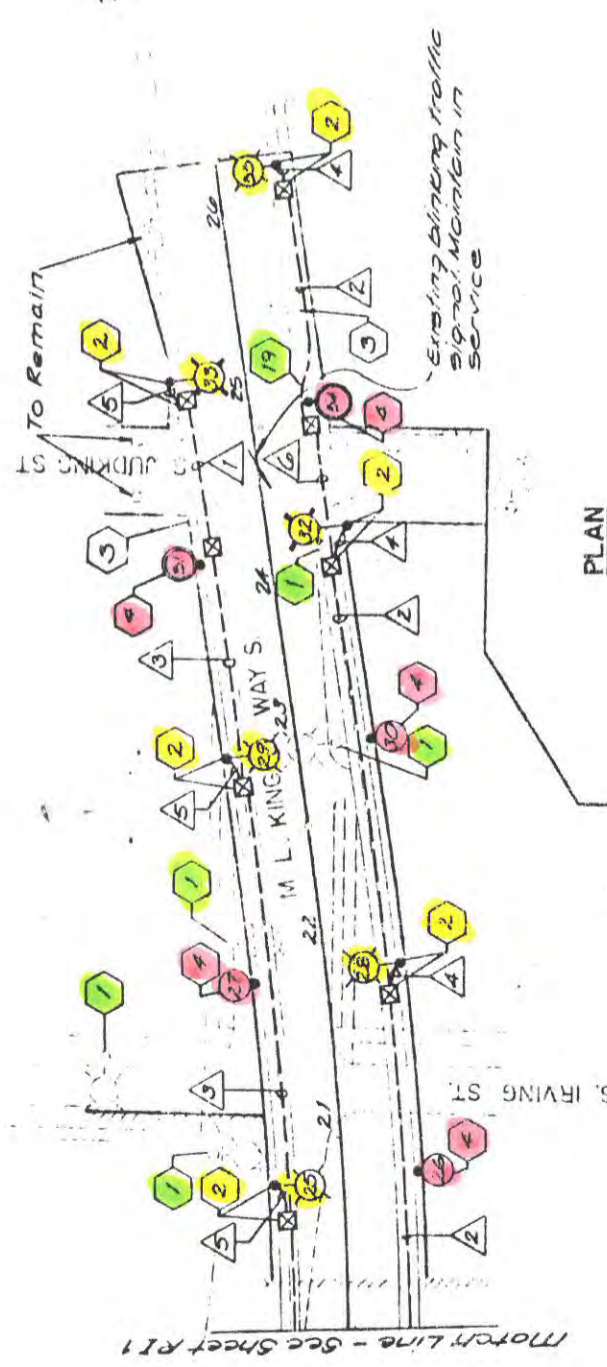
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ED T. Stevens
 R. Greenlee
 ED O. Helmer

ENGR P. R. Macdonald

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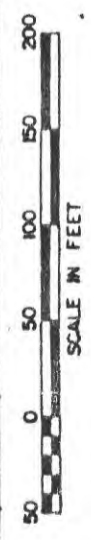
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CITY OF SEATTLE



PLAN

LUMINAIRE, POLE AND FOUNDATION SCHEDULE

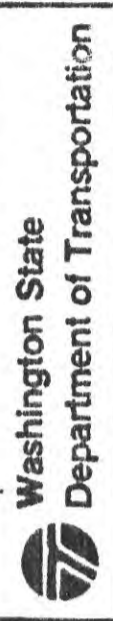
STATION NUMBER & OFFSET	POLE TYPE SEE SHEET	CIRCUIT NUMBER	MAST ARM LENGTH	LAMP	LUMINAIRE BALLAST	HOUSING
PLK 20+75 (SB-LT)	LIGHT STANDARD/METRO TROLLEY - BASE ON GRADE	1	12'	400 WATT CLEAR MPS	LOW TEMP 8 280V, ±10% VOLTAGE FLUCTUATION	CAST ALUMINUM SHORT CUTOFF TYPE II REFLECTOR
PLK 20+75 (SB-RT)	LIGHT STANDARD/METRO TROLLEY - BASE ON GRADE	NA	NO ARM	NA	NA	MA
PLK 21+80 (SB-LT)	LIGHT STANDARD/METRO TROLLEY - BASE ON GRADE	NA	NO ARM	NA	NA	MA
PLK 21+80 (SB-RT)	LIGHT STANDARD/METRO TROLLEY - BASE ON GRADE	2	12'	400 WATT CLEAR MPS	LOW TEMP 8 280V, ±10% VOLTAGE FLUCTUATION	CAST ALUMINUM SHORT CUTOFF TYPE II REFLECTOR
PLK 22+85 (SB-LT)	LIGHT STANDARD/METRO TROLLEY - BASE ON GRADE	1	12'	400 WATT CLEAR MPS	LOW TEMP 8 280V, ±10% VOLTAGE FLUCTUATION	CAST ALUMINUM SHORT CUTOFF TYPE II REFLECTOR
PLK 22+85 (SB-RT)	LIGHT STANDARD/METRO TROLLEY - BASE ON GRADE	NA	NO ARM	NA	NA	MA
PLK 24+83 (SB-LT)	LIGHT STANDARD/METRO TROLLEY - BASE ON GRADE	NA	NO ARM	NA	NA	MA
PLK 24+83 (SB-RT)	LIGHT STANDARD/METRO TROLLEY - BASE ON GRADE	NA	NO ARM	NA	NA	MA
PLK 25+80+80 (SB-LT)	LIGHT STANDARD/METRO TROLLEY - BASE ON GRADE WITH SHAFT MOUNTED PLUMB	1	12'	400 WATT CLEAR MPS	LOW TEMP 8 280V, ±10% VOLTAGE FLUCTUATION	CAST ALUMINUM SHORT CUTOFF TYPE II REFLECTOR
PLK 25+80+80 (SB-RT)	LIGHT STANDARD/METRO TROLLEY - BASE ON GRADE	NA	NO ARM	NA	NA	MA
PLK 26+84 (SB-RT)	LIGHT STANDARD/METRO TROLLEY - BASE ON GRADE WITH SHAFT MOUNT PLUMB	1	12'	400 WATT CLEAR MPS	LOW TEMP 8 280V, ±10% VOLTAGE FLUCTUATION	CAST ALUMINUM SHORT CUTOFF TYPE II REFLECTOR



T. Stevens
R. Greenke
D. Helmer

STATE	FED AID PROJ NO.	TOTAL SHEETS
10 WASH	1-90-1	
JOB NUMBER		

HIGHWAY DIVISION



RI 2

ABBREVIATIONS

A	AMPERE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AWS	AMERICAN WELDING SOCIETY
DIA	DIAMETER
FT	FOOT
GND	GROUND
MPS	HIGH PRESSURE SODIUM
LT	LEFT
LBS	POUNDS
MAX	MAXIMUM
MIN	MINIMUM
MIL	MILLIMETER
NA	NOT APPLICABLE
NO	NUMBER
PVC	POLYVINYL CHLORIDE
PLUG WELD	PLUG WELD
REINF.	REINFORCING
RT	RIGHT
RGS	RIGID GALVANIZED STEEL
SHT	SHEET
TEMP	TEMPERATURE
TYP	TYPICAL
UNC	UNIVERSAL NATIONAL COURSE
WSDOT	WASHINGTON STATE DEPARTMENT OF TRANSPORTATION

CONDUIT AND CABLE SCHEDULE

RUN NO.	CONDUIT SIZE	CABLE SIZE & QUANTITY	CIRCUIT	REMARKS
1	1-1/4"	2 #6	1	RIGID GALVANIZED STEEL
2	1-1/4"	2 #6+1#8 GND	2	SCHEDULE 80 PVC CONDUIT
3	1-1/4"	2 #6+1#8GND	1	SCHEDULE 80 PVC CONDUIT
4	1"	2 #8	2	RIGID GALVANIZED STEEL
5	1"	2 #8	1	RIGID GALVANIZED STEEL
6	1-1/4"	2 #6	2	RIGID GALVANIZED STEEL

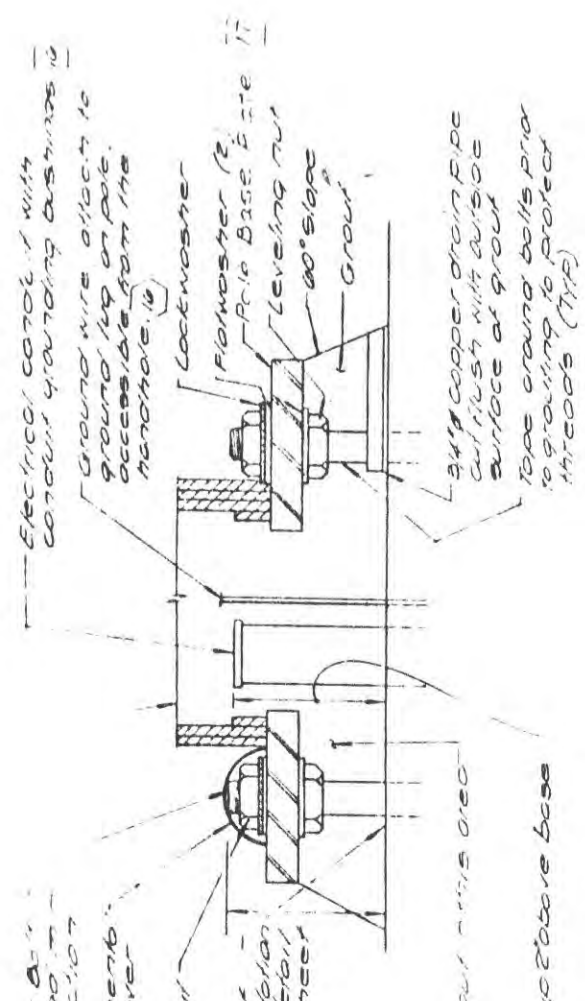
CONSTRUCTION NOTES

1. REMOVE EXISTING AERIAL CONDUCTORS, LUMINAIRE, POLE AND POLE FOUNDATION.
2. INSTALL NEW POLE FOUNDATION, PULL BOX, POLE AND LUMINAIRE SEE LIGHT STANDARD/METRO TROLLEY STRAIN POLE INSTALLATION DETAIL.
3. EXISTING WOOD UTILITY POLE SHALL REMAIN IN SERVICE. REMOVE EXISTING LUMINAIRE, MAST ARM AND ASSOCIATED WIRING.
4. INSTALL NEW POLE FOUNDATION AND METRO TROLLEY STRAIN POLE AS SPECIFIED IN LUMINAIRE, POLE AND FOUNDATION SCHEDULE. SEE METRO TROLLEY STRAIN POLE INSTALLATION DETAIL.
5. REMOVE EXISTING METRO TROLLEY STRAIN POLE AND FOUNDATION.

General Notes
1. For legend see sheet RI 1

EXHIBIT - C
SP 80 AGREEMENT LOGS
2300 AVE TO LAKE WASHINGTON
SEATTLE CITY LIGHT AND METRO
DICK YIM ENGINEER DISTRICT ADMINISTRATOR
SHEET --- OF ---
METRO'S POLES WITH LUMINAIRE
METRO POLES ONLY
POLES TO BE REMOVED

- See other sheets for details

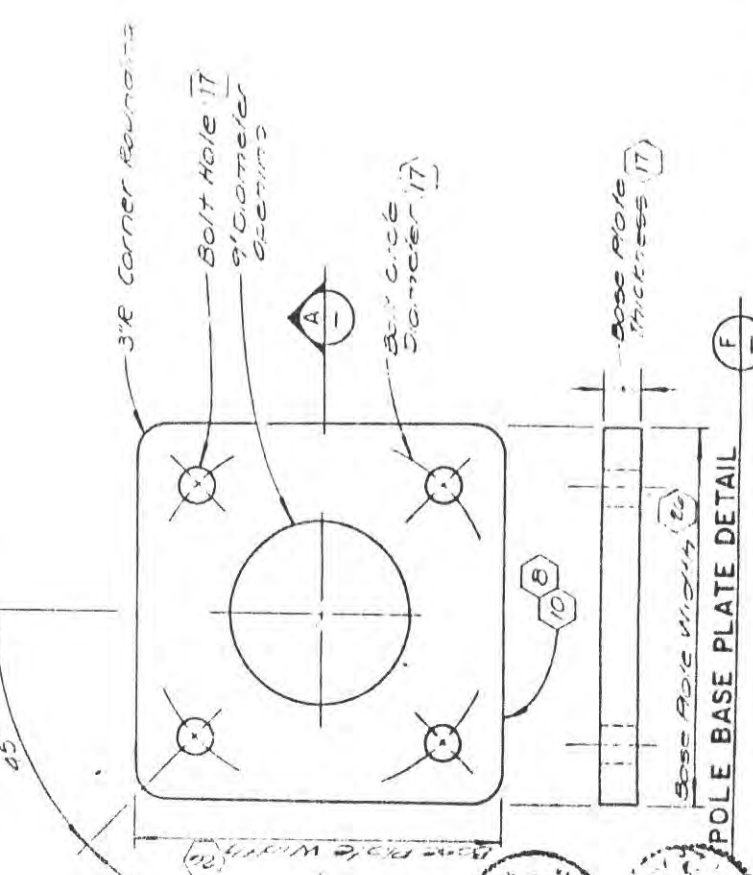


SECTION A

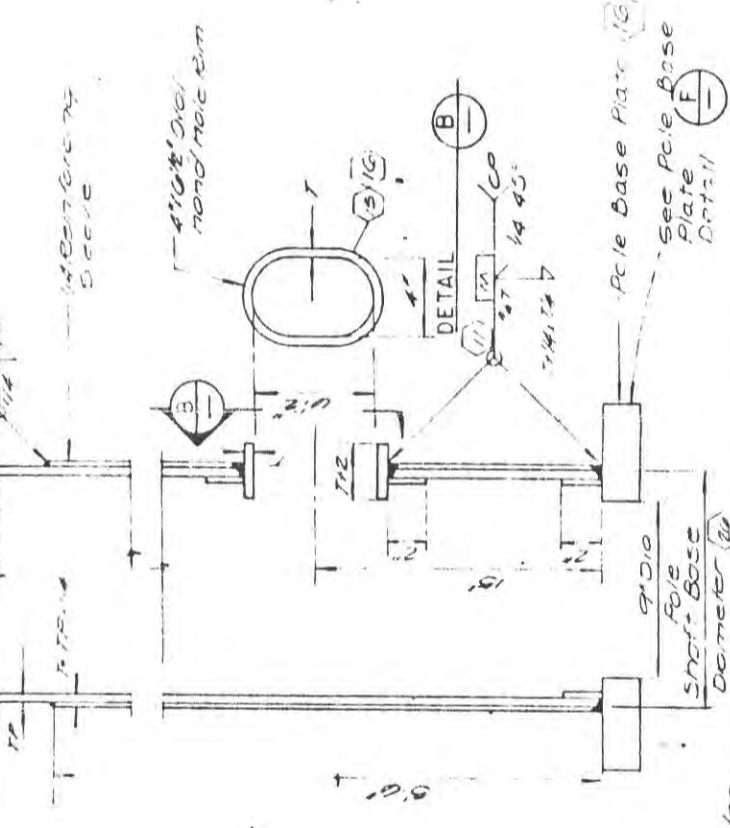
BASE PLATE AND HAND HOLE RIM STEEL SHALL CONFORM TO A.S.T.M. SPECIFICATION A 36 WHEN USED IN CONJUNCTION WITH A.S.T.M. A 572 GRADE A OR E PILE SHAFT AND REINFORCING SLEEVE STEEL. BASE PLATE AND HAND HOLE RIM STEEL SHALL CONFORM TO A.S.T.M. A 572 GRADE A2 WHEN USED IN CONJUNCTION WITH A.S.T.M. A 572 GRADE B312 OR B5 PILE SHAFT AND REINFORCING SLEEVE STEEL.

ALL STEEL, EXCEPT REINFORCING STEEL, AND THE ANCHOR BOLTS SHALL BE COMPLETELY GALVANIZED AND SHALL BE PROTECTED WITH A MINIMUM OF 0.005 INCHES OF THE TOP TAG METAL COATING. METRO'S SHALL BE GALVANIZED PER A.S.T.M. SPECIFICATION A 123 OR A 153.

- 16 CONDUIT AND GROUNDING MATERIALS SHALL BE DELETED FROM BASES FOR STRAIN POLES WITHOUT LUMINAIRES.
- 17 SEE LIGHT STANDARD/METRO TROLLEY STRAIN POLE DATA SCHEDULE ON SHEET RI-3



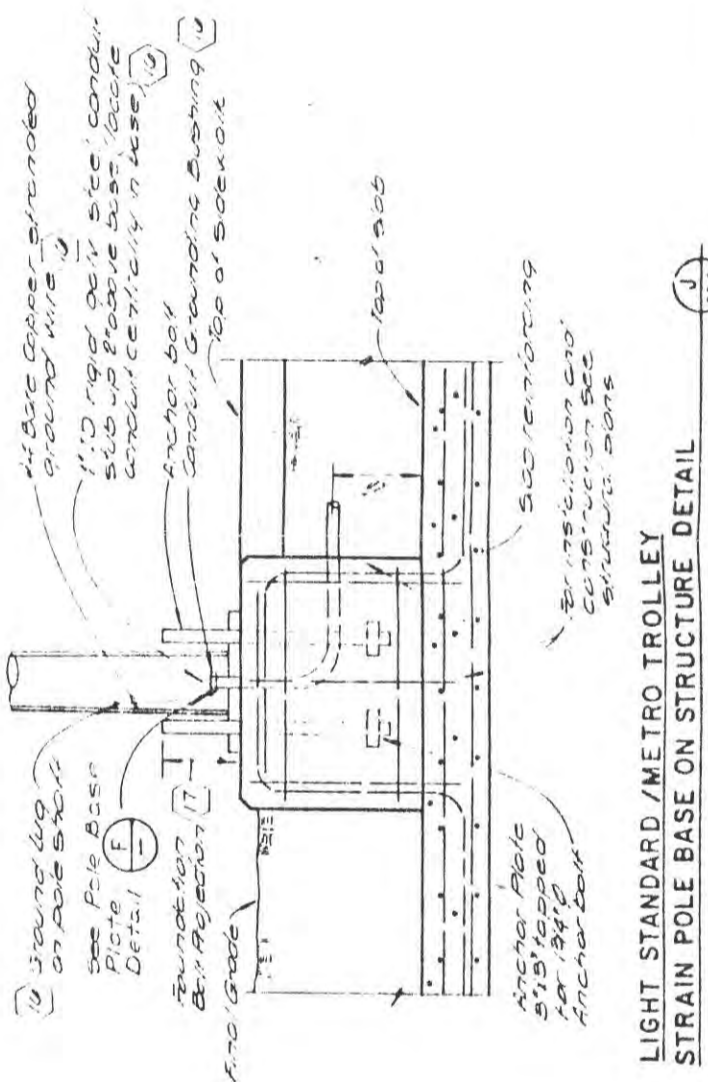
POLE BASE PLATE DETAIL



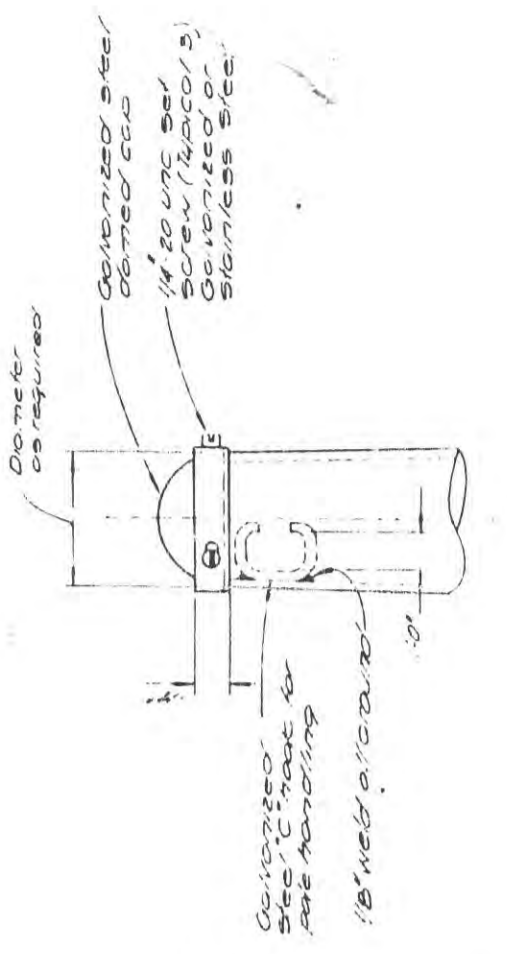
HAND HOLE DETAIL

See other sheets for details

- 11 All welding shall conform to AWS D1.102 structure, welding code size.
- 12 Hand hole shall be provided with bright removable hand hole cover fastened with stainless steel screws.

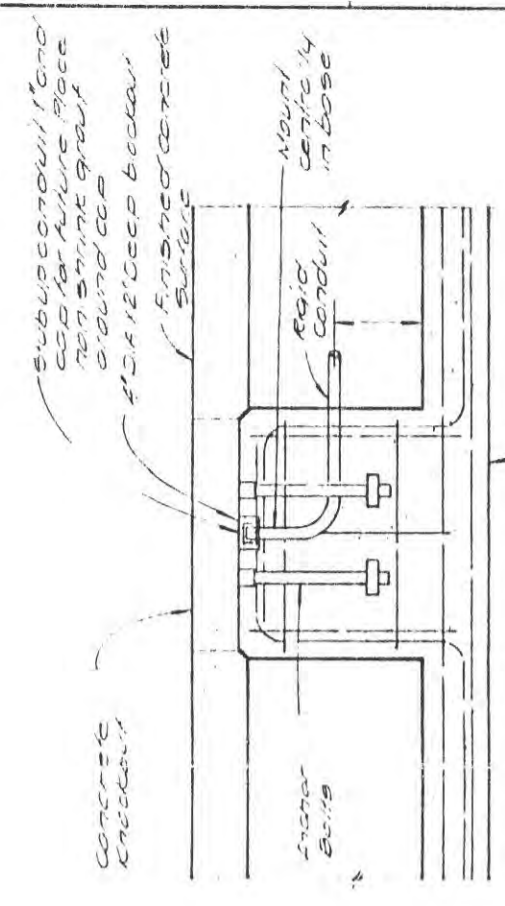


LIGHT STANDARD / METRO TROLLEY STRAIN POLE BASE ON STRUCTURE DETAIL



POLE CAP DETAIL

SR 50
 EXHIBIT 'C'
 AGREEMENT UTO148
 2230 AVE TO LAKE WASHINGTON
 SEATTLE CITY LIGHT AND METRO
 ERIC TIMM, PE
 LOCATION ENGINEER
 R.E. BOCKSTUCK, PE
 DISTRICT ADMINISTRATOR
 SHEET 11 OF 11
 METRO'S POLES WITH LUMINAIRES
 METRO POLES ONLY
 POLES TO BE REMOVED



FUTURE TRAFFIC SIGNAL BASE DETAIL

DESIGNER	DATE	REVISION	BY	APP'D
J.S. SIMON				
J. Heimer				
STANDARD				
DESIGNER				

STATE FED. AID PROJ. NO.	DATE
10 WASH	
JOB NUMBER	
CONTRACT NO.	

HIGHWAY DIVISION

Washington State Department of Transportation

HNTB

RI 4

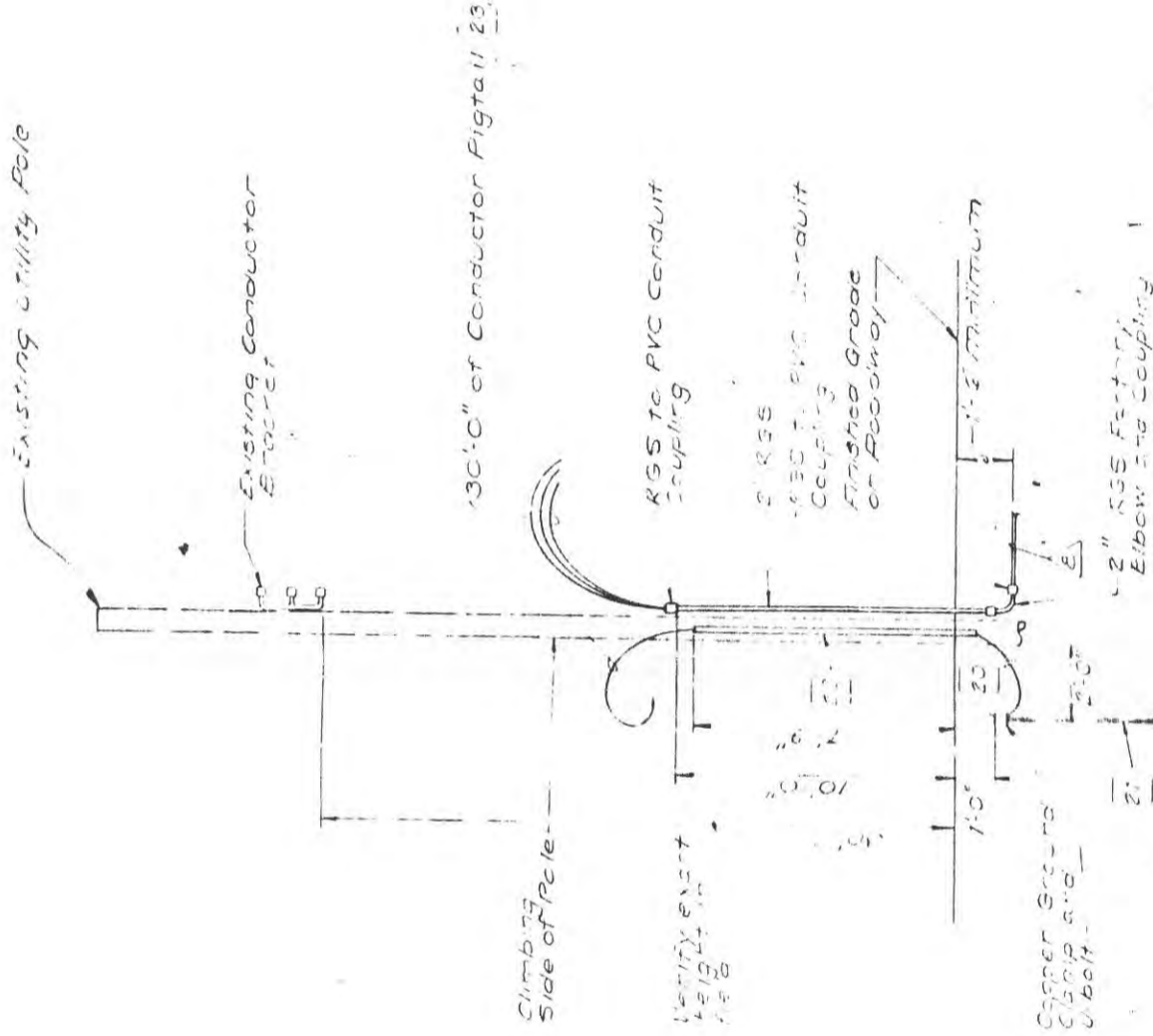
DATE

BY

APP'D

CONSTRUCTION NOTES

- 20. THE GROUND WIRE SHALL BE ONE CONTINUOUS LENGTH. THE GROUND WIRE FROM THE BOTTOM OF THE CONDUIT CLAMP AND BLEND OVER THE CLAMP BEFORE TIGHTENING.
- 21. GROUND ROD SHALL BE 3/4" x 18' - 8" TIM PLATED COPPER, IMBEDDED FULL LENGTH INTO EARTH AT POLE BASE. DRIVE ROD INTO FIRM, UNDISTURBED EARTH.
- 22. PLASTIC GROUND WIRE MOLDING SHALL BE 1/2" WIDE x 1/4" LONG AND SECURED TO POLE WITH 3/4" x 2" MOLDING STAPLES. STAPLES EXTEND MOLDING A MINIMUM OF 3" THE BELOW GROUND LINE.
- 23. COORDINATE WITH SEATTLE CITY LIGHT FOR TERMINATION OF CONDUCTOR PIGTAILS TO EXISTING AERIAL SERVICE.



SERVICE RISER - 120/240 VOLT

SR 80 EXHIBIT "C" CRITER
 AGREEMENT LTOIRG
 22RD AVE TO LAKE WASHINGTON
 SEATTLE CITY LIGHT AND METRO
 DISTRICT ADMINISTRATOR
 LOCATION ENGINEER
 DISTRICT ADMINISTRATOR
 SHERY
 METRO'S POLES WITH LUMINAIRES
 METRO POLES ONLY
 POLES TO BE REMOVED



Washington State Department of Transportation		HIGHWAY DIVISION		RI 5	
10	WASH	150			
	JOB NUMBER				
T. Stevens					
R. Greenlee					
D. Helmer					

2-26-86

ORD.# 111246

AGREEMENT GC 7263

TASK ORDER No. 12

This Task Order, made and entered into this 28th day of March, 1986, between the STATE OF WASHINGTON, DEPARTMENT OF TRANSPORTATION, hereinafter referred to as the "STATE" and the CITY of SEATTLE, for and on behalf of its sewer utilities, hereinafter referred to as the "CITY";

WHEREAS, Master Agreement GC 7263, entered into between the STATE and the CITY on August 8, 1983, is incorporated and by this reference made a part of this Task Order as if fully set forth herein.

WHEREAS, the STATE is planning the construction or improvement of SR 90 and in connection therewith it is necessary to remove and/or relocate an 84 inch storm drain, main trunk, located in the vicinity of the Rainier Avenue South interchange, and

WHEREAS, it is deemed to be in the best public interest for the STATE to include the necessary items of work for relocating and/or constructing the CITY facilities in the STATE construction contract, and

WHEREAS, the STATE is obligated for the relocation of facilities where the City has a compensable interest in its facilities and right-of-way by virtue of being located on easements or CITY owned right-of-way, and

WHEREAS, this task order pertains to STATE contract "Bush to 23rd, Westbound", and

WHEREAS, this task order pertains only to Phase I of a two or more phase construction sequence, the CITY and STATE shall enter into a separate task order for the construction of later phases,

NOW THEREFORE, in consideration of the terms, conditions, covenants and performances contained herein, or attached and incorporated and made a part hereof,

CITY OF SEATTLE
COMMUNITY DEVELOPMENT AND PLANNING
APR 9 11 11 AM '86

IT IS MUTUALLY AGREED AS FOLLOWS:

The work proposed under this Task Order contemplates the removal, adjustment and/or relocation of a portion of the facilities as described in the Master Agreement under the following item:

- 4.2.3 84 inch storm drain trunk from South Bush Place to South Atlantic Street in Rainier Avenue South.

Work To Be Performed By the State

The STATE, as agent acting for and on behalf of the CITY, agrees to do the work in removing, relocating and/or constructing the CITY facilities, in accordance with and described in the specifications marked Exhibit "A" and plans marked Exhibit "C" attached hereto, and by this reference made a part of this task order.

Plans, specifications and cost estimates shall be prepared by the STATE in accordance with the 1984 State of Washington Standard Specifications for Road, Bridge and Municipal Construction, and those dealing with the 84 inch storm drain shall meet or exceed City of Seattle Standard Plans and Specifications criteria. The STATE will incorporate the plans and specifications into the STATE project and thereafter advertise the resulting project for bid and, assuming bids are received and a contract is awarded, administer the contract.

The CITY will approve the plans and specifications prior to the STATE advertising for bids. The described work is as shown in Exhibits "A" and "C".

The CITY agrees, upon satisfactory completion of all 84 inch storm drain relocation, of which this task order is a part, to deliver a letter of acceptance which shall include a release and waiver of all future claims or demands of any nature resulting from the performance of the work under this task order.

Work To Be Performed By the City

Review and approve any shop drawings or changes to the plans and/or specifications, during construction, related to the 84 inch storm drain.

Financial Responsibility and Other Funding Sources

The STATE is responsible for 100 percent of the costs covered by this task order. An itemized estimate of cost for work to be performed by the STATE marked Exhibit "B" is attached hereto, and by this reference made a part of this task order.

GC7263

Miscellaneous

In accordance with the terms of Master Construction Agreement GC 7263, the CITY and STATE shall enter into a separate easement agreement to perpetuate existing or replacement property rights of the CITY, and to define the location and conditions of said easement.

IN WITNESS WHEREOF, parties hereto have executed this Task Order as of the day and year first above written.

CITY OF SEATTLE

By: *Eugene V. Avery*
Director of Engineering

Date: March 17, 1986

STATE OF WASHINGTON
DEPARTMENT OF TRANSPORTATION

By: *Clyde J. Hammer*
Project Development Engineer

Date: 03/28/86

GC7263

EXHIBIT "A"

SPECIFICATIONS AND SPECIAL CONSIDERATIONS

The work proposed under this Agreement contemplates the removal, adjustment and/or relocation of storm drain facilities as described herein and shown on Exhibit "C". Throughout this task order the terms **storm drain** and **storm sewer** mean the same thing.

WORK TO BE PERFORMED BY THE STATE

Removal, relocation and/or reconstruction of an 84 inch storm drain which conflicts with SR 90 construction:

Sheet 1 of 6

Location of project

Sheet 2 of 6

Construct 470 feet of Class IV reinforced concrete storm sewer pipe, 84 inch

Sheet 3 of 6

Monitoring access pipe details

Sheet 4 of 6

Special manhole details

Sheet 5 of 6

Extra strength manhole details

Sheet 6 of 6

End bulkhead section details

WORK TO BE PERFORMED BY THE CITY

Review and approve all shop drawings and change orders directly affecting the 84 inch storm drain facility. Evaluate the test data done on the finished 84 inch structure before acceptance.

SALVAGE

Those materials removed by the STATE contractor will become the property of the STATE contractor. The salvage value shall be reflected in the contractor's bid price.

EXHIBIT "A" (continued)

BETTERMENTS

The adjustment of CITY facilities, as required herein does not constitute a betterment as defined in Federal-Aid Highway Program Manual PPM 30-4.

EXPIRED SERVICE LIFE

Adjustment of CITY facilities does not involve a credit due for the value of expired service life of the facilities being replaced.

GC7263

SR-90 RAINIER AVENUE SOUTH INTERCHANGE
WESTBOUND ROADWAY

ESTIMATE OF COST
CITY OF SEATTLE, 84 INCH STORM SEWER RELOCATION ON RAINIER AVE. SOUTH

ITEM	UNIT	COST	QUANTITY	TOTAL
CLASS IV REINFORCED CONCRETE STORM SEWER PIPE 84" DIA.	L.F.	125	470	58750
SPECIAL MANHOLE	L.S.	10000	1	10000
TESTING STORM SEWER PIPE	L.F.	1.55	480	744
MONITORING ACCESS PIPE & SEAT	EACH	2000	2	4000
CONCRETE PIPE END BULKHEAD	EACH	1500	2	3000
FILTER CLOTH FOR UNDER DRAIN	S.Y.	2.25	832	1872
GRAVEL BACKFILL FOR PIPE BED	C.Y.	15	340	5100
STRUCTURE-X CL-B, INC HAUL	C.Y.	10	5300	53000
UNFINISHED CEMENT CONC. PAVE 3 DAY 1.17 FOOT SECTION	S.Y.	30	670	20100
ASPHALT CONC. PAVE. CL-B INCLUDING ASPHALT	TON	40	100	4000
SAND BACKFILL	TON	8	5500	44000

	SUBTOTAL			204566
WASH. STATE SALES TX	7.9%			16160
ENGINEERING & CONT.	15%			30684
				=====
				\$ 251410

GC7263

TASK ORDER NO. 12

EXHIBIT 'B' CONT.

SEATTLE ENGINEERING DEPT.

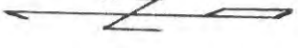
SENIOR CIVIL ENGR.	HR	20.27	100	2027
SENIOR MATERIAL ENGR	HR	20.27	100	2027
ASSOC. CIVIL ENGR	HR	18.07	200	3614
SUBTOTAL:				-----
				7668
OVERHEAD AT 90.44%				6935
				=====
TOTAL CITY COSTS				14603

SUMMARY:

CONSTRUCTION COSTS	\$	251410
CITY COSTS	\$	14603
		=====
TOTAL AGREEMENT	\$	266013

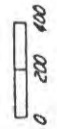
GC7263

TASK ORDER NO. 12



RAINIER AVE SO.

I-90



GC 7263

TASK ORDER NO. 12

EXHIBIT 'C'

SR 90

CS 1798

JCT. SR 5 to WEST SHORE MERCER ISLAND
RAINIER AVENUE SOUTH INTERCHANGE
WB CTR Rdwys TASK ORDER # 12

R.E. TIMM, P.E.
LOCATION ENGINEER

R.E. BOCKSTRUCK, P.E.
DISTRICT ADMINISTRATOR

SHEET 1 OF 6

Washington State Department of Transportation		DIVISION OF HIGHWAYS		ARNOLD / JACOBSON - ENGINEERS	
DATE	REVISION	BY	APP'D	APPROVED	
CKED J. ENGR. ADM.					
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS		
10	WASH				
JOB NUMBER	CONTRACT NO.				

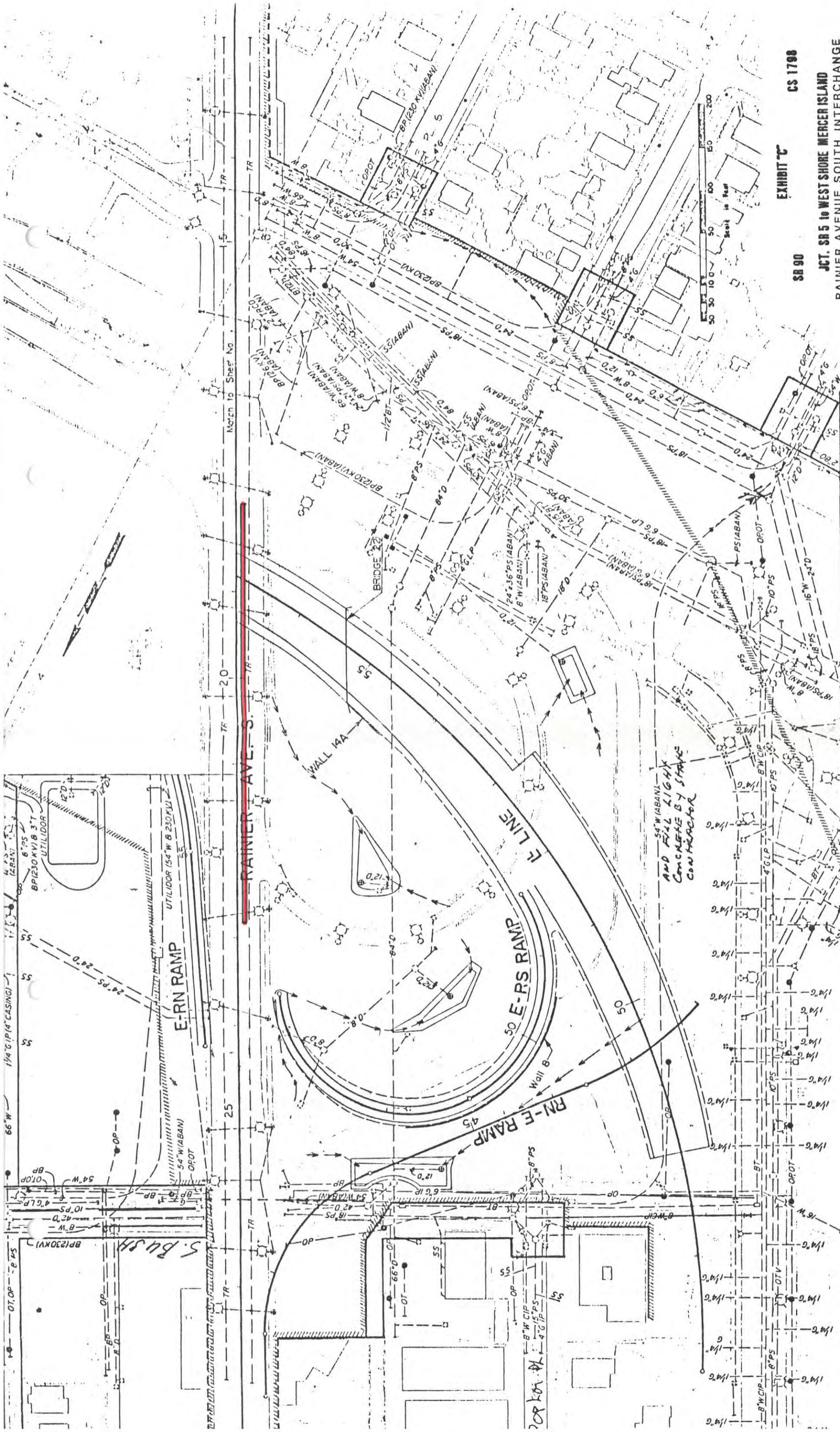


EXHIBIT 'C'
 SR 90
 CS 1790

JCT. SR 5 to WEST SHORE MERCER ISLAND
 RAINIER AVENUE SOUTH INTERCHANGE
 WB CTR Rdwy TASK ORDER #12

R.L. TIMM, P.E.
 LOCATOR ENGINEER
 R.E. BOCKSTIMCK, P.E.
 DISTRICT ADMINISTRATOR

SHEET 2 of 6

Washington State
 Department of Transportatic



ARNOLD / JACOBSON - ENGINEERS

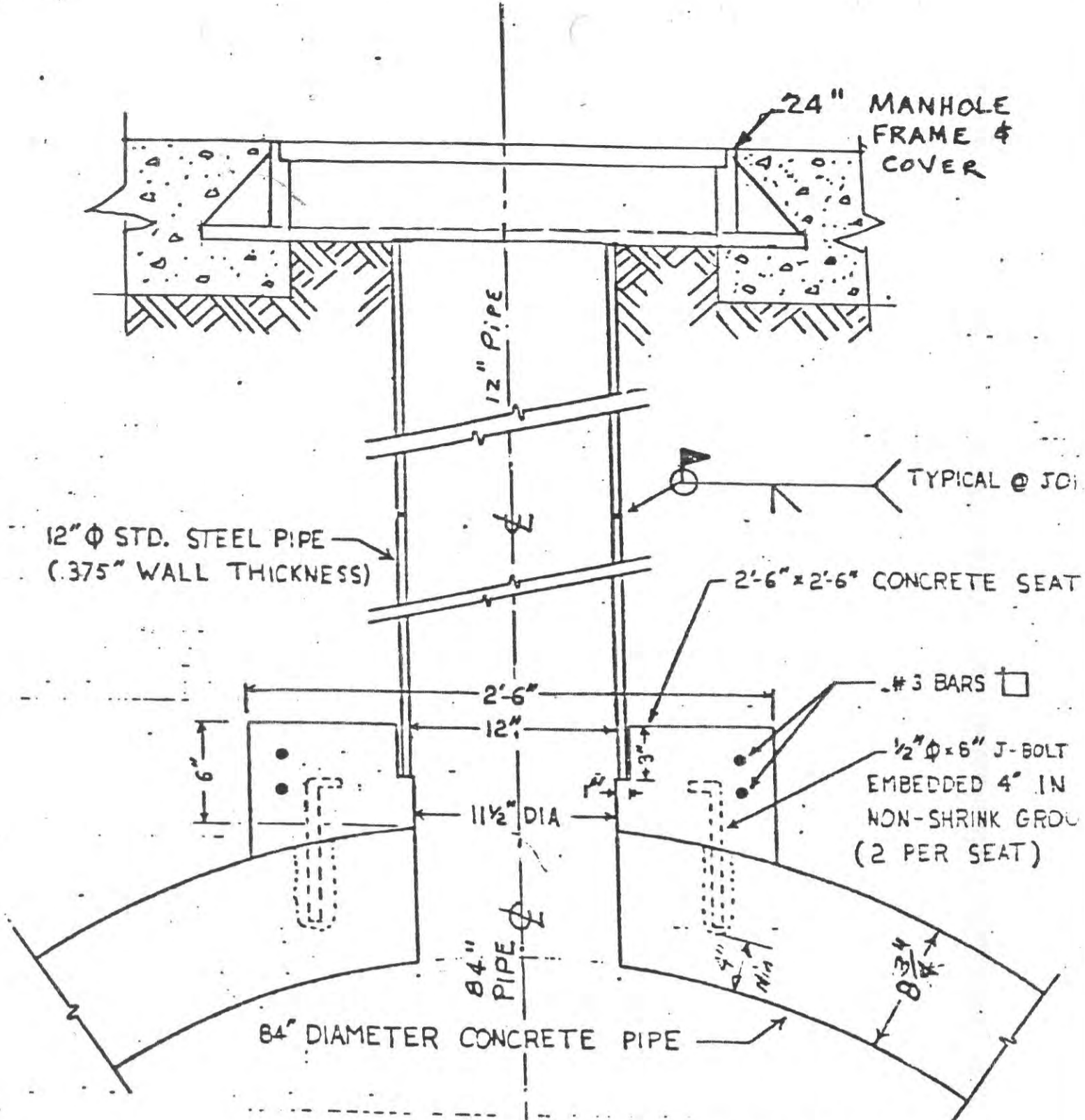
DIVISION OF HIGHWAYS

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
10	WASH	JOB NUMBER	CONTRACT NO.

GC 2263
 TASK ORDER NO. 12

DATE	REVISION	BY/APPD

APPROVED



ACCESS PIPE AND SEAT

1-1/2" = 1'-0"
 SR 90

EXHIBIT "C"

CS 1798

JCT. SR 5 to WEST SHORE MERCER ISLAND
 RAINIER AVENUE SOUTH INTERCHANGE
 WB CTR Rdwys TASK ORDER #12.

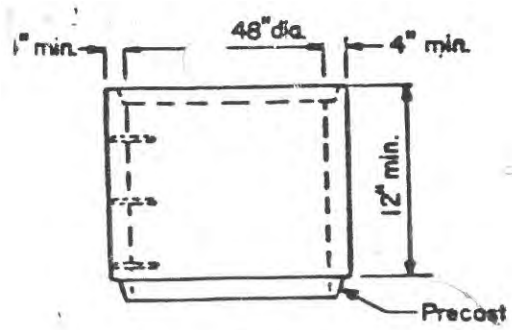
R.E. TIMM, P.E.
 LOCATION ENGINEER

R.E. BOCKSTRUCK, P.E.
 DISTRICT ADMINISTRATOR

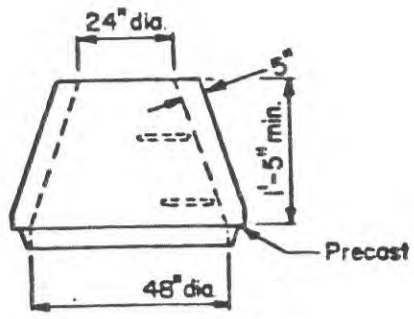
SHEET 3 OF 6

GC7263

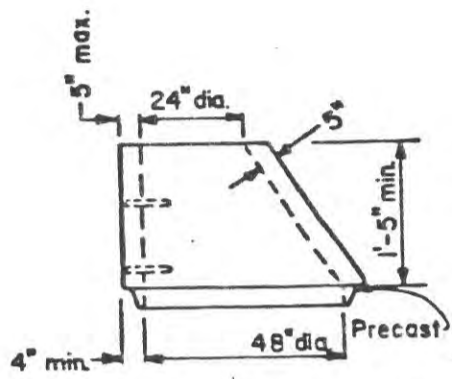
TASK ORDER NO. 12



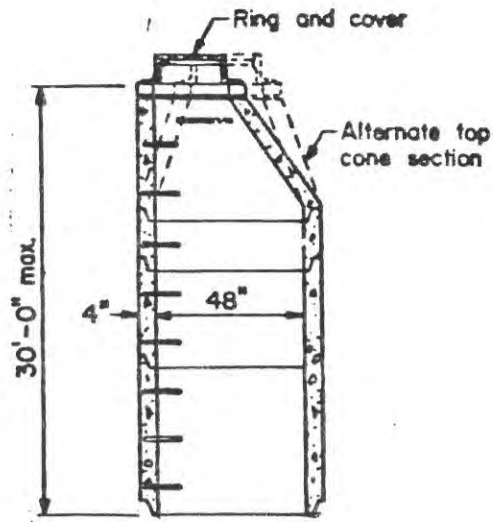
RISER



CONCENTRIC CONE

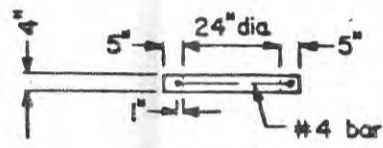


ECCENTRIC CONE



PRECAST

48" DIAMETER MANHOLE
(Maximum pipe size = 21")



GRADE RING

NOTES:

All reinforced cast in place concrete shall be Class A. Non-reinforced concrete shall be Class C. All precast concrete shall be Class AX.

Manhole rings and covers shall be equal to Olympic Foundry No. 5920 or No. 5924; mating surfaces shall be finished to assure non-rocking fit with any cover position along with interchangeability.

GC7263
TASK ORDER NO. 12

SR 90

EXHIBIT C

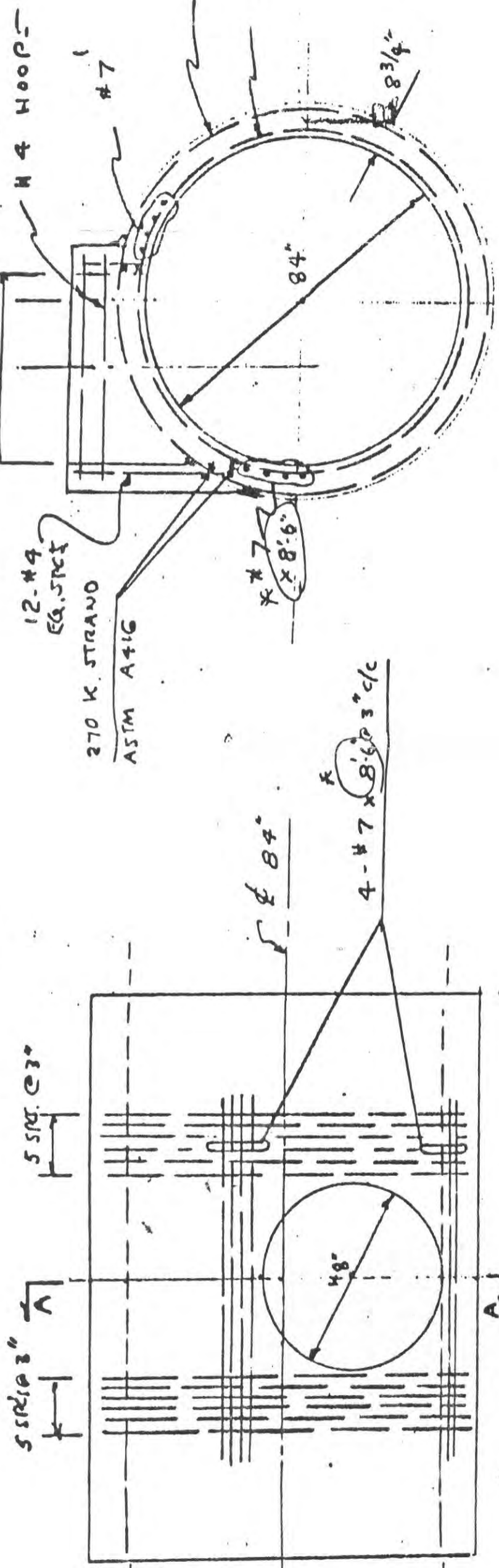
CS 1798

JCT. SR 5 to WEST SHORE MERCER ISLAND
RAINIER AVENUE SOUTH INTERCHANGE
WB CTR Rdwys TASK ORDER #12

R.E. TIMM, P.E.
LOCATION ENGINEER

R.E. BOCKSTRUCK, P.E.
DISTRICT ADMINISTRATOR

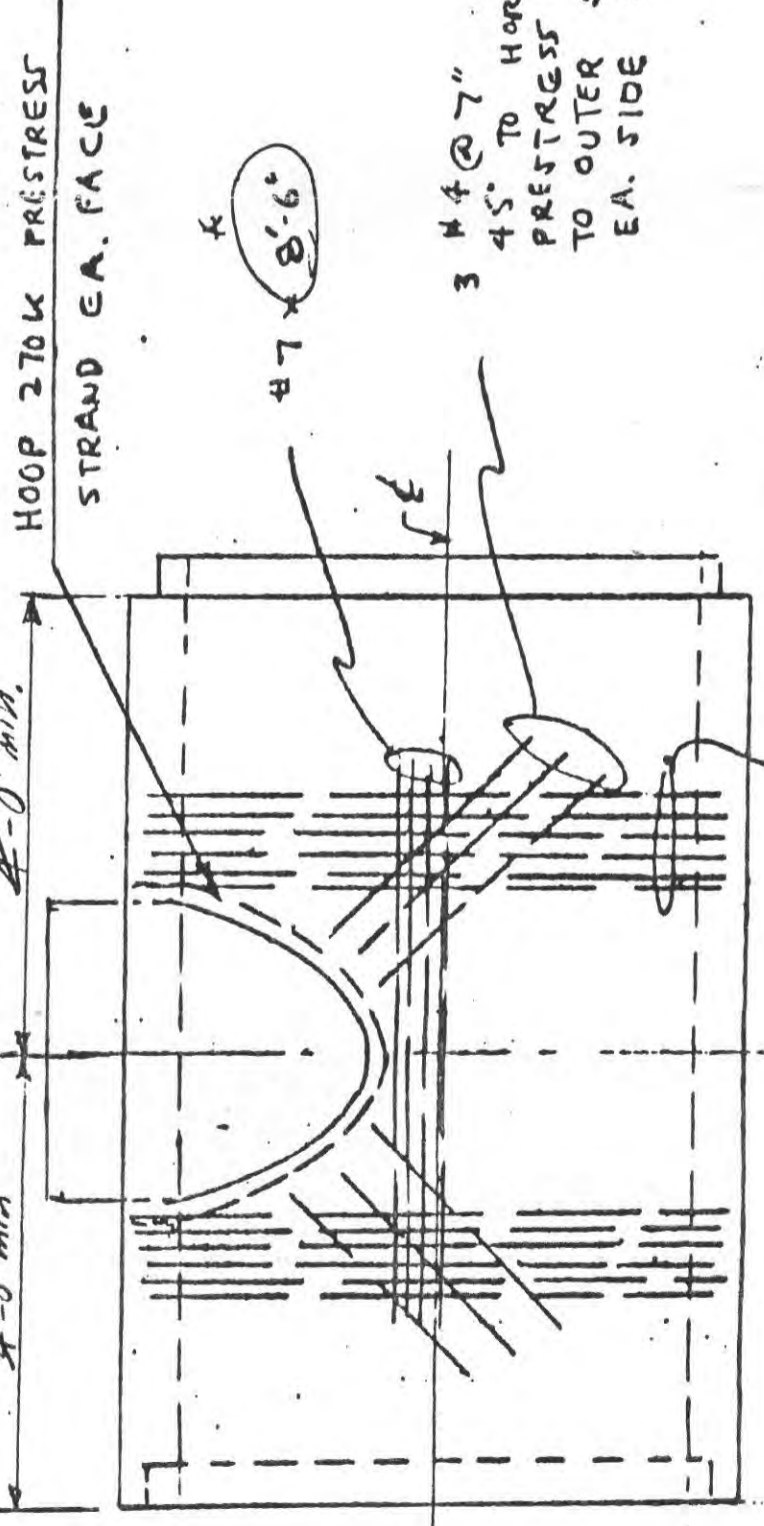
SHEET 4 OF 6



SECT. A-A

PLAN

ADDITIONAL REINFORCEMENT



ELEVATION

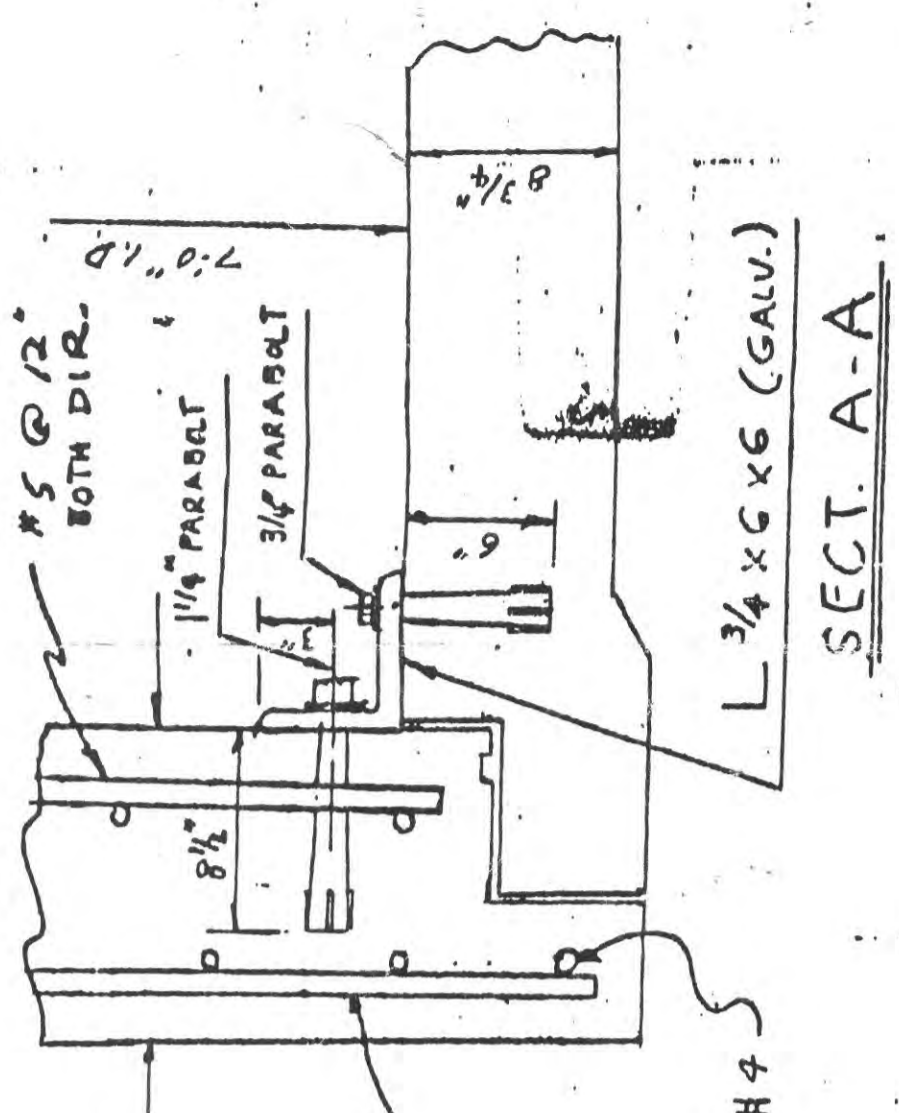
3 #4 @ 7"
45° TO HORIZ. FROM
PRESTRESS STRANDS
TO OUTER STEEL GIRDE
EA. SIDE OF RISER.

#7 HOOPS @ 3"
EA. SIDE OF OPENING,
EA. FACE

* Length of bars should
be compatible with structural length.
SR 90 RAINIER

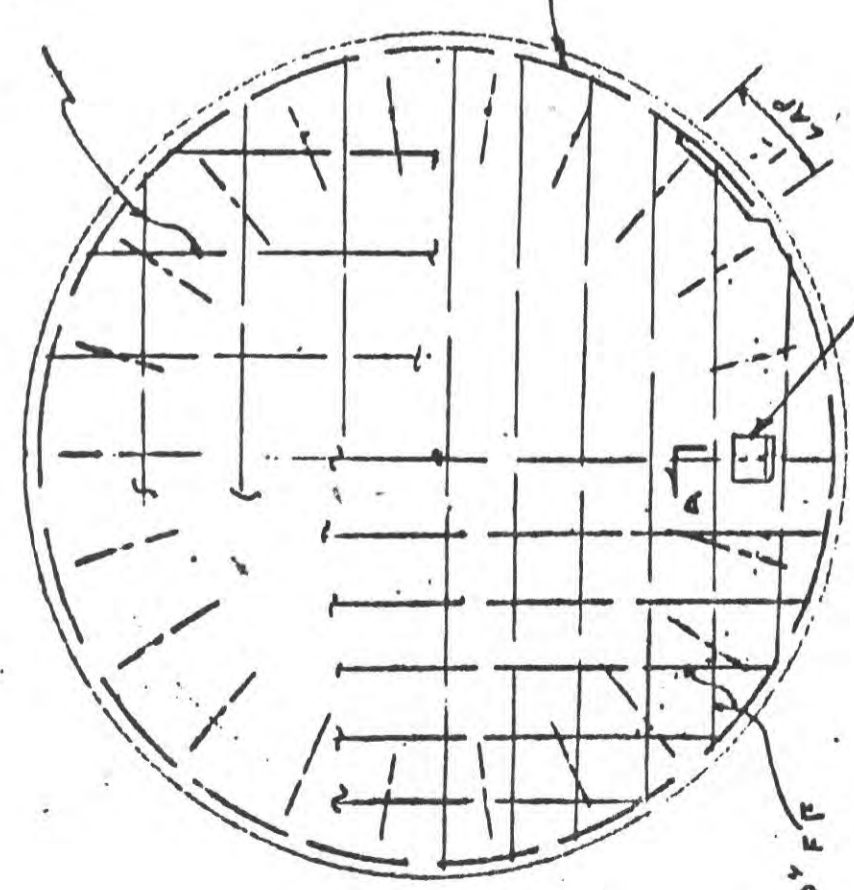
SR 90 EXHIBIT 'C' CS 1798
JCT. SR 5 to WEST SHORE MERCER ISLAND
RAINIER AVENUE SOUTH INTERCHANGE
WB CTR Rdwys TASK ORDER #12
R.E. TIMM, P.E. D.E. BOCKSTUCK, P.E.
LOCATOR ENGINEER DISTRICT ADMINISTRATOR
SHEET 5 OF 6

GC726:3
SK ORDER NO. 12

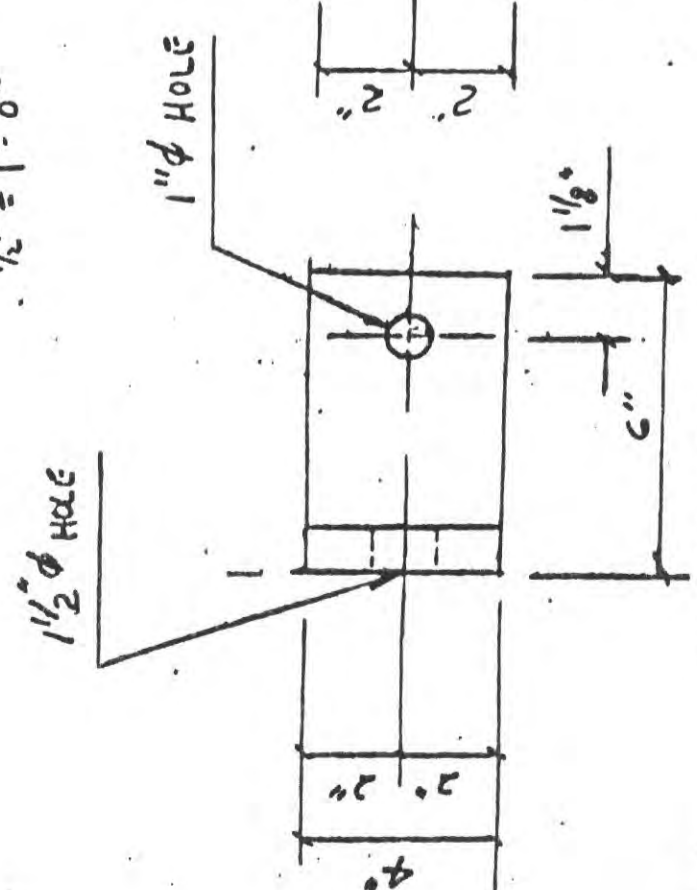


SECT. A-A

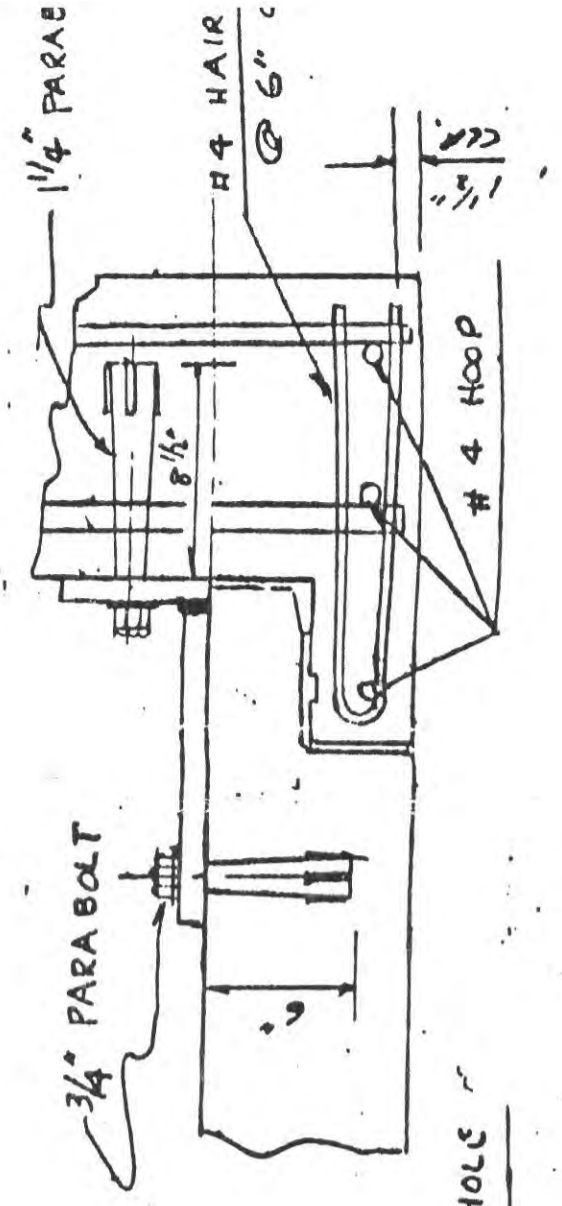
22 RESTRAINER CLIPS
EQUALLY SPACED INSIDE PIPE
(12" ± C/C)



A-A



RESTRAINER CLIP



END BULKHEAD - 84" PS

SR 90 EXHIBIT C CS 1798
 JCT. SR 5 to WEST SHORE MERCER ISLAND
 RAINIER AVENUE SOUTH INTERCHANGE
 WB CTR Rdwys TASK ORDER #12
 R.E. TIMM, P.E. DISTRICT ENGINEER
 D.E. BOCKSTUCK, P.E. DISTRICT ADMINISTRATOR
 SHEET 6 OF 6

GC7263
 TASK ORDER NO. 12

ORD # 111246



Seattle
Engineering Department

MEMORANDUM

Date: June 3, 1985

To: CITY CLERK

From: Joann M. Sullivan, Financial Management *JMS*

Subject: Filing of Task Orders for I-90

Attached are Task Orders #7 and #6 supp. 1.

<u>Task Orders</u>	<u>Agreement</u>	<u>Ordinance</u>
#7 & #6-1	GC-7263	111246

RECEIVED
CITY CLERK
JUN 9 1985
CITY CLERK

JMS:jr

AGREEMENT GC 7263

TASK ORDER NO. 7

This Task Order, made and entered into this 20th day of May, 1985, between the STATE OF WASHINGTON, DEPARTMENT OF TRANSPORTATION, hereinafter referred to as the "STATE" and the CITY of SEATTLE, hereinafter referred to as the "CITY";

WHEREAS, Master Agreement GC 7263, entered into between the STATE and the CITY on August 8, 1983, is incorporated and by this reference made a part of this Task Order as if fully set forth herein. and

WHEREAS, this Task Order pertains to CITY contract "SR 90 - Martin Luther King Jr. Way South,

NOW THEREFORE, it is mutually agreed as follows:

1.0 The work proposed under this Task Order contemplates the removal, adjustment and/or relocation of certain facilities as described in the Master Agreement under the following items:

- 2.2.1 A trunk sanitary sewer from South Judkins Street to South Massachusetts Street near the Martin Luther King Jr. Way South structure alignment.
- 2.2.6 A storm detention system near South Massachusetts Street and Martin Luther King Jr. Way South.
- 2.2.7 A storm sewer system to be placed parallel to Martin Luther King Jr. Way South.
- 6.0 A sanitary sewer and storm drain on South Massachusetts Street between 26th Avenue South and Martin Luther King Jr. Way South. A storm drain on South Atlantic Street between 26th Avenue South and Martin Luther King, Jr. Way South.

2.0 Work To Be Performed By the STATE:

None

3.0 Work To Be Performed By the CITY:

Work by Seattle Engineering Department - Administer the contract, respond to STATE requests and prepare and submit monthly billings to the STATE.

Work by Seattle Water Department - Coordinate and perform all needed water shut-downs, make all needed new water main connections to existing line, kill water services, provide temporary water mains, transfer water services, cut and cap water mains and hydrant removal and abandon.

Work by the CITY Consultant

Work to be done by CITY consultant will be as detailed in Exhibit "D", attached hereto and by this reference made a part of this Agreement.

4.0 Exhibit "A", Specifications and Special Considerations, Exhibit "B", Estimate of Cost and Exhibit "C", vicinity map, are attached hereto and by this reference made a part of this Task Order.

5.0 The CITY is currently preparing contract plans and special provisions for the itemized work covered by this Task Order. Said plans and special provisions, upon completion, and after approval by the STATE, shall become a part of this Task Order for all intents and purposes as if fully set forth herein.

6.0 Financial Responsibility and Other Funding Sources

The STATE is responsible for 100 percent of the costs covered by this Task Order.

7.0 Payment

Payment under this Task Order will be made on actual direct and related indirect costs in accordance with Section IV, PAYMENT, of the Master Agreement.

GC7263

TASK ORDER NO. 7

8.0 Miscellaneous

In accordance with the terms of Master Construction Agreement GC 7263, the CITY and STATE shall enter into a separate easement agreement to perpetuate existing or replacement property rights of the CITY, and to define the location and conditions of said easement.

9.0 Adjustments to Master Construction Agreement

Portions of some items of work under this task order have changed due to engineering judgments, design refinements, feasibility studies and other State criteria. See Exhibit "A" for specifics.

10.0 Maintenance of Detention Basin

The STATE will retain ownership of the property which the detention basin occupies. The CITY, when it is constructed and accepted, will own operate and maintain the detention basin facility.

IN WITNESS WHEREOF, parties hereto have executed this Task Order as of the day and year first above written.

CITY OF SEATTLE

By: *Kenneth L. Linton*
Superintendent of Water

Date: *May 6, 1985*

By: *Eugene V. Avery*
Director of Engineering

Date: *May 16, 1985*

**STATE OF WASHINGTON
DEPARTMENT OF TRANSPORTATION**

By: *Chuck L. Hammer*
Project Development Engineer

Date: *May 20, 1985*

GC 7263

TASK ORDER NO. 7

EXHIBIT "A"

SPECIFICATIONS AND SPECIAL CONSIDERATIONS

The work proposed under this Agreement contemplates the removal, adjustment and/or relocation of water, sewer, street, drainage, walkways, lighting and traffic facilities as described herein and shown on Exhibit "C".

WORK TO BE PERFORMED BY THE STATE

NONE

WORK TO BE PERFORMED BY THE CITY

Removal, relocation and/or reconstruction of sewer and storm drains which conflict with SR 90 construction.

Sheet 2 of 7

- a) Construct 46 feet of 8 inch diameter sewer.
- b) Construct 36 feet of 30 inch diameter sewer.
- c) Construct 46 feet of 12 inch diameter storm drain.
- d) Construct 97 feet of 48 inch diameter storm drain.
- e) Remove 30 inch storm drain.
- f) Abandon 36 inch x 54 inch brick sewer.

Sheet 3 of 7

- a) Construct 94 feet of 12 inch diameter sewer.
- b) Construct 277 feet of 24 inch diameter sewer.
- c) Construct 300 feet of 30 inch diameter sewer.
- d) Construct 112 feet of 18 inch diameter storm drain.
- e) Construct 259 feet of 36 inch diameter storm drain.
- f) Construct 307 feet of 48 inch diameter storm drain.

Sheet 4 of 7

- a) Construct 174 feet of 24 inch diameter sewer.
- b) Construct 546 feet of 30 inch diameter sewer.
- c) Construct 178 feet of 18 inch diameter storm drain.
- d) Construct 540 feet of 48 inch diameter storm drain.

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EXHIBIT "A" (continued)

WORK TO BE PERFORMED BY THE CITY (continued)

Sheet 5 of 7

- a) Construct 220 feet of 24 inch diameter sewer.
- b) Construct 249 feet of 36 inch diameter storm drain.

Sheet 6 of 7

- a) Construct 95 feet of 24 inch diameter storm drain

Sheet 7 of 7

- a) Construct 70 feet of 24 inch diameter storm drain.
- b) Construct approximately 500 feet of 12 inch diameter storm drain (Atlantic between 26th Avenue South and Martin Luther King Jr. South).

SALVAGE

All material removed by the CITY, or its contractor, shall be reclaimed or disposed of by the CITY, or its contractor, and shall be credited to the STATE in accordance with Federal-Aid Highway Program Manual PPM 30-4. The CITY, and its contractor shall furnish written notice to the STATE for the time and place the materials will be available for inspection.

Those materials removed by the CITY contractor will become the property of the CITY contractor. The salvage value shall be reflected in the contractor's bid price.

DISCONNECT AND REMOVAL

The CITY facilities abandoned within the limits of the STATE right-of-way, if necessary, shall be removed by the STATE contractor at STATE expense. The STATE shall assume full responsibility for and disposition of the abandoned CITY facilities upon disconnection and abandonment of said CITY facilities. It is agreed that abandoned facilities that may be removed by the STATE contractor shall have no salvage value to the CITY.

Some abandoned CITY utility facilities will be removed from the old street right-of-way by the CITY contractor. In some instances the abandoned utility facilities, if not removed, become obstructions to the new CITY utility facilities to be constructed under this task order. Some facilities will be abandoned in place.

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EXHIBIT "A" (continued)

BETTERMENTS

The adjustment of CITY facilities, as required herein does not constitute a betterment as defined in Federal-Aid Highway Program Manual PPM 30-4.

EXPIRED SERVICE LIFE

Adjustment of CITY facilities does not involve a credit due for the value of expired service life of the facilities being replace.

ITEM VARIATION FROM MASTER CONSTRUCTION AGREEMENT

Due to design considerations the storm drain and sanitary sewer, listed under 6.0 Miscellaneous, are to be separated to comply with the CITY's grading and drainage ordinance, No. 108080, and Municipality of Metropolitan Seattle (METRO) regulations which require all new sewers and extension of existing sewers be designed as separate sanitary sewers and storm drains for environmental reasons.

EXHIBIT B
MARTIN LUTHER KING, JR. WAY SOUTH
TASK ORDER 7

The noted engineering labor classifications, direct salary rates and overhead rates are used as the basis of estimating engineering activities described in this Agreement. All the above rates are subject to change. The engineer's estimate is based upon the third quarter of 1984 quantities and unit prices.

The CITY desires to utilize the services of POOL Engineering Services, Inc., hereinafter referred to as POOL currently retained by the City of Seattle and approved by the STATE for employment under construction contract between the CITY and POOL under Agreement S83-7, executed 5/27/83.

A proposed construction engineering agreement S83-7, Supplement No. 8 for consultant services written and submitted to the STATE and the FHWA Division Engineer for review to ensure that appropriate features are incorporated.

QUANTITY	UNIT	ITEM	UNIT PRICE	AMOUNT
1.0 MATERIALS				
1,000	HRS	TRAINING	5.00	5,000
1	LS	MOBILIZATION	120,000.00	120,000
1	LS	CLEARING AND GRUBBING	20,000.00	20,000
16,800	CY	COMMON EXCAVATION	10.00	168,000
200	TN	COMMON BORROW	9.00	1,800
500	CY	EXCAVATION, UNSUITABLE FOUNDATION	10.00	5,000
450	CY	EMBANKMENT COMPACTION	2.00	900
790	TN	TYPE 1 OR 2 MINERAL AGG.	16.00	12,640
8,600	CY	TYPE 17 MINERAL AGG.	15.00	129,000
200	TN	CLASS B PAVMT. ASPHALT CONC.	65.00	13,000
300	LF	ALUMINUM HANDRAIL	45.00	13,500
600	SF	CEMENT CONC. STEPS	40.00	24,000
360	LF	TYPE 108B CEM. CONC. CURB & GUTTER	15.00	5,400
6	SY	SIX INCH CEM. CONC. DRIVEWAY	30.00	180
240	SY	TYPE 114A CEM. CONC. SIDEWALK	18.00	4,320
80,000	SF	HYDRO-SEED	0.07	5,600
1	LS	LANDSCAPE ESTABLISHMENT	10,000.00	10,000
40	EA	RED MAPLE	200.00	8,000
6	EA	WEeping WILLOW	90.00	540
6	EA	DAWN REDWOOD	150.00	900
28	EA	PAPER BIRCH	120.00	3,360
1	LS	WATER PYLONS	3,000.00	3,000
1,125	SF	GRID BLOCK	5.00	5,625
2	EA	RESET MONUMENT FRAME AND COVER	125.00	250
4	EA	ADJUST MH, CB, OR VC	250.00	1,000
1	EA	ADJUST VALVE BOX	125.00	125
238	CY	CEM. CONC. PAVEMENT PATCH	150.00	35,700

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TASK ORDER NO

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170 TN	CLASS B ASPHALT CONC. PAVMT. PATCH	75.00	12,750
50 TN	MC 250 TEMP. PAVMT. PATCH	50.00	2,500
46 LF	BEDDING, CL B, 8 IN. PIPE	3.50	161
454 LF	BEDDING, CL B, 12 IN. PIPE	4.50	2,043
464 LF	BEDDING, CL B, 18 IN. PIPE	5.50	2,552
594 LF	BEDDING, CL B, 24 IN. PIPE	8.00	4,752
872 LF	BEDDING, CL B, 30 IN. PIPE	9.50	8,284
508 LF	BEDDING, CL B, 36 IN. PIPE	12.00	6,096
663 LF	BEDDING, CL B, 48 IN. PIPE	14.00	9,282
200 CY	FOUNDATION MATERIAL	15.00	3,000
360 LF	12 INCH CL. III STORM DRAIN PIPE	30.00	10,800
290 LF	18 INCH CL. III STORM DRAIN PIPE	40.00	11,600
95 LF	24 INCH CL. III STORM DRAIN PIPE	50.00	4,750
305 LF	36 INCH CL. III STORM DRAIN PIPE	70.00	21,350
103 LF	48 INCH CL. III STORM DRAIN PIPE	100.00	10,300
203 LF	36 IN. CL. 55, ST. DRAIN, DUCT. IRON	185.00	37,555
560 LF	48 IN. CL. 55, ST. DRAIN, DUCT. IRON	200.00	112,000
135 LF	66 IN. CASING - OPEN CUT	420.00	56,700
155 LF	66 IN. CASING - BORED & JACKED	715.00	110,825
46 LF	8 IN. CL. III SEWER PIPE	25.00	1,150
94 LF	12 IN. CL. III SEWER PIPE	30.00	2,820
174 LF	18 IN. CL. III SEWER PIPE	40.00	6,960
277 LF	24 IN. CL. III SEWER PIPE	50.00	13,850
312 LF	30 IN. CL. III SEWER PIPE	60.00	18,720
220 LF	24 IN. CL. 55 DUCT IRON SEWER PIPE	150.00	33,000
560 LF	30 IN. CL. 55 DUCT IRON SEWER PIPE	175.00	98,000
135 LF	48 INCH. CASING - OPEN CUT	360.00	48,600
155 LF	48 INCH CASING - BORED & JACKED	565.00	87,575
1 LS	REMOVE TEMP. CONNECTIONS	2,500.00	2,500
2 EA	TEE, CON. 8 INCH	60.00	120
1 EA	MANHOLE TYPE 130	1,800.00	1,800
7 EA	MANHOLE TYPE 132	2,300.00	16,100
15 VF	EXTRA DEPTH MANHOLE TYPE 132	150.00	2,250
6 EA	RECHANNEL MANHOLE	500.00	3,000
1 LS	MANHOLE NO. 2	5,000.00	5,000
1 LS	MANHOLE NO. 3	8,800.00	8,800
1 LS	MANHOLE NO. 4	12,300.00	12,300
1 LS	MANHOLE NO. 5	9,800.00	9,800
1 LS	MANHOLE NO. 104	12,800.00	12,800
2 EA	CATCH BASIN TYPE 171B	1,700.00	3,400
1 EA	INLET TYPE 166	1,000.00	1,000
850 LF	PERFORATED 4 IN. PIPE	8.00	6,800
1 LS	FLOW CONTROL STRUC.	37,000.00	37,000
1 LS	INLET/OUTLET STRUC.	35,000.00	35,000
1	EMERGENCY OVERFLOW STRUC.	12,000.00	12,000
80 LF	8 IN. CB CONN.	23.00	1,840
25 LF	8 IN. INLET CONN.	22.00	550

SUBTOTAL	\$1,506,875
SALES TAX @ 7.9%	\$119,043

SUBTOTAL	\$1,625,918
ENGINEERING @ 10%	\$162,592

1.0 TOTAL MATERIAL COST	\$1,788,510
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TASK ORDER NO

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2.0 CONSULTANT COSTS

QUANTITY	UNIT	BID ITEM	UNIT PRICE	TOTAL
=====				
POOL				
370	HR	PRINCIPAL ENGINEER	80.56	\$29,807
420	HR	DESIGN ENGINEER	58.51	\$24,574
1050	HR	SENIOR TECHNICIAN	53.95	\$56,648
248	HR	ASSISTANT ENGINEER	43.24	\$10,724
125	HR	DRAFTER	28.22	\$3,528
60	HR	WORD PROCESSOR	27.93	\$1,676
		SUBTOTAL		\$126,957

ST				
158	HR	PRINCIPAL ENGINEER	65.00	\$10,270
525	HR	DESIGN ENGINEER	43.00	\$22,575
84	HR	ASSISTANT ENGINEER	37.00	\$3,108
105	HR	DRAFTER	28.00	\$2,940
42	HR	WORD PROCESSOR	25.00	\$1,050
		SUBTOTAL		\$39,943

CTS				
158	HR	PRINCIPAL ENGINEER	53.50	\$8,453
315	HR	DESIGN ENGINEER	27.50	\$8,663
53	HR	DRAFTER	27.50	\$1,458
42	HR	WORD PROCESSOR	22.00	\$924
		SUBTOTAL		\$19,498

HART-CROWSER				
370	HR	FIELD ENGR./GEOLOGIST	40.00	\$14,800
158	HR	PROJECT ENGINEER	55.00	\$8,690
32	HR	PRINCIPAL ENGINEER	80.00	\$2,560
26	HR	CLERICAL/SUPPORT	30.00	\$780
		SUBTOTAL		\$26,830

NON LABOR				
1	LS	EQUIPMENT RENTAL	2,600.00	\$2,600
1	LS	AUTO RENTAL/MILEAGE	1,560.00	\$1,560
1	LS	REPRODUCTION/PHOTOGRAPH	1,040.00	\$1,040
1	LS	MISCELLANEOUS	520.00	\$520
		SUBTOTAL		\$5,720

2.0 TOTAL CONSULTANTS COST				\$218,948
				=====

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B-3 TASK ORDER NO

7

SUMMARY

1.0 TOTAL MATERIAL COST	\$1,788,510
2.0 TOTAL CONSULTANTS COST	\$218,948
	<hr/>
100 PERCENT STATE COST	\$2,007,458

Pool Engineering, Inc.

All Inclusive Hourly Rate Schedule for 1985

Labor Classification	Direct Labor Hourly Rate	Fringe Benefit	General & Admin Overhead	Fixed Fee	Total Hourly Rate
Principal Engineer	\$27.40	\$17.54	\$27.40	\$8.22	\$80.56
Senior Engineer	23.94	15.32	\$23.94	\$7.18	70.38
Design Engineer	19.90	12.74	\$19.90	\$5.97	58.51
Assistant Engineer	14.71	9.41	\$14.71	\$4.41	43.24
Senior Technician	18.35	11.74	\$18.35	\$5.51	53.95
Technician	10.50	6.72	\$10.50	\$3.15	30.87
Senior Inspector	17.80	11.39	\$17.80	\$5.34	52.33
Inspector	12.50	8.00	\$12.50	\$3.75	36.75
Supervising Surveyor	21.92	14.03	\$21.92	\$6.58	64.45
Party Chief	11.60	7.42	\$11.60	\$3.48	34.10
Instrument Man	10.30	6.59	\$10.30	\$3.09	30.28
Head Chainman	9.50	6.08	\$9.50	\$2.85	27.93
Rear Chainman	6.75	4.32	\$6.75	\$2.03	19.85
Drafter	9.60	6.14	\$9.60	\$2.88	28.22
Word Processor	9.50	6.08	\$9.50	\$2.85	27.93

The above all inclusive hourly rates are in effect for the calendar year 1985.

Direct project expenses - reproduction, computer charges, etc. - are billed at cost.

Project-related travel with company or private vehicles is at the rate of \$0.20 per mile.

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TASK ORDER NO. 7

EXHIBIT "D"

WORK BY CITY CONSULTANT

Construction Administration

The construction contract administration services shall include but not be limited to the following:

1. Enforce construction contract requirements.
 - a) provide continuous inspection of project construction and assure conformance by the contractor to the contract drawings and specifications
 - b) provide a resident engineer experienced in the type of work to be done
 - c) provide additional engineers and inspectors, or assistants, as necessary to assure that the provisions of the contract documents are being fulfilled.
 - d) Be present on the job site at all times the contractor is performing work except when required to attend off-site meetings or except such times as presence deemed unnecessary by the Principal Construction Engineer.
2. Provide construction surveys and staking as necessary to complete the construction within the construction contract requirements.
3. Provide all material testing.
 - A. Initial compliance.
 - a) products made locally such as concrete, fabricated steel, concrete pipe, aggregates, etc. may be sampled and tested at the job site or point of manufacture
 - b) products shipped from outside of the Seattle area such as pipe, cement, etc. may be accepted by proper certificates of compliance and checked by testing samples obtained from the job site
 - c) all materials used in each project are to be tested and the tests documented, except that minor quantities of materials may be accepted by visual observation
 - B. Subsequent compliance.
 - a) all sampling and testing required as the work progresses to ensure proper and continued control of materials
4. Attend preaward conferences.
5. Organize and conduct the preconstruction conference including coordination with all affected agencies, utilities and CITY departments and divisions. Prepare and distribute the minutes of the conference.
6. Prepare progress payments to the contractor.
 - a) verify all pay quantities used for the project construction
 - b) collect and tabulate all quantity delivery tickets
 - c) maintain record of all quantity calculations and substantiating certifications (to be provided monthly to the CITY)
 - d) payment estimate in final format will be prepared by the CITY

EXHIBIT "D" (continued)

Construction Administration (continued)

7. Transmit, route and approve shop drawings and maintain a log thereof.
8. a) review and make recommendation for approval of required construction schedule provided by the contractor
b) review contract progress in relation to approved progress schedule
c) enforce rescheduling of procedures if contract falls behind schedule
9. Maintain complete job records - records will include:
 - a) daily reports
 - b) quantity calculations
 - c) as-built records
 - d) coordinate preconstruction and construction progress photographs if requested - photographs will be taken and printed by the CITY
 - e) maintain complete set of updated contract documents including drawings, agreement, proposal, general provisions, special provisions and change orders
 - f) test reports
 - g) survey notes, including cut sheets
 - h) transmittal records
 - i) record of weather and weather days
 - j) payment estimates
 - k) change orders
 - l) shop drawing transmittal records
 - m) construction correspondence
 - n) contractor payrolls if requested

Consultant must use Seattle Engineering Department standards forms, where applicable, for records and reporting procedures. Forms will be provided by the City.

10. Prepare change orders as necessary. Review proposed costs and make recommendations to the City as applicable.
11. Maintain liaison between the City and the contractor. Keep the Director of Engineering informed of progress and costs.
12. Review as-builts records on a regular basis and be sure that they are kept updated.
13. Maintain a running log of all tests taken, including location, date and results.
14. Make sure that all materials and/or installation which has failed to pass specified tests are retested and acceptable before final acceptance.
15. Assure that all materials and equipment meeting specified requirements before allowing installation or placement.
16. Provide quick response to all field problems and any communication from the contractor.

EXHIBIT "D" (continued)

Construction Administration (continued)

17. Answer all claims submitted by the contractor and/or request for additional cost or extension of time immediately.
18. Feedback information of problems areas to the project engineer immediately so correction can be made at the job site. Problems involving design changes and/or change in construction time must be addressed to the City. Changes in design, cost and/or time must have prior City approval in writing.
19. Resolve complaints and answer questions from all adjoining property owners. This will be on an individual basis and will not include public meetings or requests from community clubs for public meetings, which are to be handled by the CITY.
20. Provide to the contractor requested interpretation of contract plans and specifications.
21. Conduct final inspection in coordination with the project engineering and all affected agencies and utilities including other CITY departments and divisions. Prepare and distribute a formal punch list of items in need of correction and/or completion by the construction contractor.
22. Make final check for satisfactory completion of all punch list items and all construction requirements by the construction contractor. Obtain concurrence from all affected agencies, utilities, departments and divisions.
23. Provide recommendation to the Director of Engineering for acceptance of completion of the construction contract. Include review of the requests for extension of time by the contractor. Include recommendation for assessment of liquidated damages, if applicable, and supplemental contract for plan establishment year, if applicable. Also provide an evaluation of the contractor's performance.
24. Prepare and distribute construction flyers to adjacent property owners.
25. At completion of work, prior to final acceptance, provide the CITY with all completed field books, inspector's diary and marked up set of plans showing as-built conditions and summary tabulations of all installed bid quantity items, all field notes and other job records as listed.
26. Monitor contractor's compliance with affirmative action requirements and training program requirements, if applicable. Coordinate with the City of Seattle Human Rights Department as necessary to assure compliance. Review and make recommendations on all subcontracting approval request.

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TASK ORDER NO. 7

AGREEMENT GC 7263

TASK ORDER NO. 6

SUPPLEMENT 1

This Supplement to Agreement GC 7263, Task Order No 6, made and entered into this 20th day of May, 198~~4~~⁵, between the STATE OF WASHINGTON, DEPARTMENT OF TRANSPORTATION, hereinafter referred to as the "STATE" and the CITY of SEATTLE, hereinafter referred to as the "CITY";

WHEREAS, by the terms of Section VI, **Extra Work**, of Master Agreement GC 7263, dated August 8, 1983 and Task Order 6, dated March 18, 1985, a supplement is required because of a change in the scope of the work, and

WHEREAS, the CITY has determined they have insufficient manpower to fully administer the contract to be advertised under Task Order No. 6, and

WHEREAS, the City has contracted the services of a consultant engineering firm by agreement and was approved by the State March 6, 1985, and

WHEREAS, the STATE has determined that water, sanitary sewer and storm drain work in the vicinity of Dean Street and Corwin Place will be most efficiently constructed under Task Order No. 6,

NOW THEREFORE, in consideration of the terms, covenants and performance contained herein, or attached and incorporated and made a part hereof,

IT IS MUTUALLY AGREED AS FOLLOWS:

Page 1, Subtopic 1., Task Order No. 6 shall have the following sentence added to Item 60: "Sanitary and water main services to the Square-D business, located on Corwin Place and Dean Street, will be disrupted by I-90 work and will be restored under this Task Order."

Page 1, Subtopic 3., "Work To Be Performed by the City" shall be amended as follows:

Work To Be Performed By Seattle Engineering Department:

Superseded and replaced by the following: Provide overhead support for the judicious administration of the contract, respond to STATE requests and prepare and submit monthly billings to the STATE.

Work To Be Performed By Seattle Water Department:

Additionally install one 2 inch domestic water service in accordance with standard charges and City of Seattle Ordinance 111440.

Work To Be Performed By the CITY Consultant:

Superseded and replaced by the following:

Work to be done by CITY consultant will be as detailed in Exhibit "D", attached hereto and by this reference made a part of this Task Order.

Exhibit "A" in Agreement GC 7263, Task Order 6 shall include Exhibit "A-1", a copy of which is attached hereto, and by this reference made a part of this Task Order.

Exhibit "B" in Agreement GC 7263, Task Order 6 is hereby superseded and replaced by Exhibit "B-1" attached hereto and by this reference made a part of this Task Order.

Exhibit "C" in Agreement GC 7263, Task Order 6 shall include Exhibit "C-1", a copy of which is attached hereto, and by this reference made a part of this Task Order.

The CITY will obtain a fully executed Right of Entry to enter onto private property for water and sewer repair at Square D before award of the contract to be let under this Task Order.

The CITY will provide an approved traffic control plan for any reductions in traffic flow during the life of the contract to be let under this Task Order.

All other terms and conditions of Agreement GC 7263, Task Order 6 shall remain in full force and effect.

This Supplement 1 to Agreement GC 7263, Task Order 6 shall be binding on the parties hereto, their successors or assigns.

IN WITNESS WHEREOF, parties hereto have executed this Task Order as of the day and year first above written.

CITY OF SEATTLE

By: *Kenneth Sawtchin*
Superintendent of Water

Date: 5-1-85

By: *W. V. van Gelder*
for Director of Engineering

Date: 5-May 85

**STATE OF WASHINGTON
DEPARTMENT OF TRANSPORTATION**

By: *Chad L. Harrison*
Project Development Engineer

EXHIBIT "A-1"
SPECIFICATIONS AND SPECIAL CONSIDERATIONS

The work proposed under this Agreement contemplates the removal, adjustment and/or relocation of water, sewer, street, drainage, walkways and traffic facilities as described herein and shown on Exhibit "C-1".

WORK TO BE PERFORMED BY THE STATE

None.

WORK TO BE PERFORMED BY THE CITY

Remove old street pavement and place new earth embankment which varies in height from 0 to 15 feet. Place embankment north of South Irving Street to the north of STATE right-of-way, replace existing driveways with new driveways to STATE contractor shacks, replace existing water service to STATE contractor shacks and make any water main cut and caps. Place sanitary sewer, storm drains and catch basins as noted on the plans, plug any sanitary sewers as necessary, modify any side sewers as needed and remove utility facilities as noted.

Sheet 1A of 3

- a) Construct 350 feet of 8 inch sewer pipe and manholes
- b) Construct 56 feet of 18 inch storm drain pipe
- c) Abandon and fill 18 inch storm drain pipe
- d) Abandon 8 inch sewer pipe
- e) Rechannel existing manholes

Sheet 2A of 3

- a) Construct 360 feet of 2 inch water main
- b) Construct 365 feet of 8 inch water main

Sheet 3 A of 3

- a) Abandon and fill 80 feet of 6 inch water main

TASK ORDER NO. 6
 SUPPLEMENT NO. 1

EXHIBIT "B-1"
 COST ESTIMATE

1.0 MATERIALS

QUANTITY	UNIT	BID ITEM	UNIT PRICE	TOTAL
1	LS	MOBILIZATION	37,000.00	\$37,000
1	LS	CLEAR & GRUB	2,300.00	\$2,300
8215	TON	COMMON BORROW	12.00	\$98,580
5072	CY	EMBANKMENT COMPACTION	1.75	\$8,876
100	TON	MINERAL AGGREGATE, TYPE 1 OR 2	18.00	\$1,800
600	CY	MINERAL AGGREGATE, TYPE 17	18.00	\$10,800
275	TON	ASPHALT CONCRETE, CL. B	80.00	\$22,000
30	LF	CURB, CEM. CONC. TYPE 108C	23.00	\$690
4	SY	DRIVEWAY, CEM. CONC., 6 INCH	35.00	\$140
11	SY	SIDEWALK, CEM. CONC.	29.00	\$319
1	EA	RESET MONUMENT FRAME AND COVER	175.00	\$175
470	LF	REMOVE 6" WATERMAIN	12.00	\$5,640
2	EA	REMOVE FIRE HYDRANT	115.00	\$230
1930	SY	REMOVE PAVEMENT	9.00	\$17,370
20	LF	REMOVE CURB AND GUTTER	7.00	\$140
274	SY	REMOVE SIDEWALK	7.00	\$1,918
4	EA	REMOVE CATCH BASIN	230.00	\$920
1	EA	REMOVE MANHOLE	290.00	\$290
6	EA	REMOVE INLET	175.00	\$1,050
300	LF	ABANDON PIPE	6.00	\$1,800
1	EA	ABANDON MANHOLE	575.00	\$575
120	CY	PAVEMENT PATCH, CEM CONC	175.00	\$21,000
30	TON	PAVEMENT PATCH, ASPH CONC CL B	81.00	\$2,430
35	TON	PAVEMENT PATCH, TEMP., MC250	58.00	\$2,030
19500	SF	SODDING	1.15	\$22,425
90	LF	BEDDING, CL. B, 8" PIPE	4.00	\$360
887	LF	BEDDING, CL. B, 12" PIPE	6.00	\$5,322
400	LF	BEDDING, CL. B, 18" PIPE	8.00	\$3,200
500	CY	FOUNDATION MATERIAL	23.00	\$11,500
428	LF	PIPE, PSD, 12" CONC. CL. III	46.00	\$19,688
400	LF	PIPE, PSD, 18" CONC. CL. III	52.00	\$20,800
459	LF	PIPE, PS, 12" CONC. CL. III	46.00	\$21,114
6	EA	TEE, CON., 8"	92.00	\$552
6	EA	MANHOLE TYPE 130	1,840.00	\$11,040
12	VF	DROP CONNECTION, 12"	175.00	\$2,100
1	EA	RECHANNEL MANHOLE	920.00	\$920
1	EA	REBUILD MANHOLE	1,725.00	\$1,725
1	EA	CATCH BASIN, TYPE 171A	1,725.00	\$1,725
1	EA	INLET, TYPE 165	920.00	\$920
90	LF	PIPE, CB CONN., 8"	29.00	\$2,610
679	LF	PIPE, 8" WATERMAIN CL. 52	29.00	\$19,691

20 CY	BLOCKING, CEMENT CONCRETE	175.00	\$3,500
5 EA	VALVE, 8"	690.00	\$3,450
4 EA	VALVE BOX, CAST IRON	104.00	\$416
1 EA	HYDRANT, 6" CONN.	1,725.00	\$1,725
50 LB	HYDRANT EXT., VERTICAL	7.00	\$350
10 LF	PIPE HYDRANT CONN. 6"	35.00	\$350
500 HR	TRAINING	3.00	\$1,500
SUB-TOTAL			\$395,056
SALES TAX @ 7.8%			\$30,814
SUB-TOTAL			\$425,870
ENGINEERING @ 10.0%			\$42,587
* TOTAL MATERIAL COST			\$468,457

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2.0 SEATTLE WATER DEPARTMENT

QUANTITY	UNIT	BID ITEM	UNIT PRICE	TOTAL
3	EA	WATER MAIN CONNECTIONS	600.00	\$1,800
8	HR	DISINFECTION	30.00	\$240
3	EA	SERVICE KILLS	360.00	\$1,080
2	EA	SERVICE TRANSFERS	420.00	\$840
LABOR SUBTOTAL				\$3,960
EQUIPMENT 75% OF LABOR				\$2,970
32	HR	PROJECT ADMINISTRATOR	40.00	\$1,280
20	HR	PROJECT ENGINEER	32.00	\$640
1	LS	TEMPORARY WATERMAIN	2,000.00	\$2,000
1	LS	STANDARD 8 IN FIRE CONTROL	6,500.00	\$6,500
1	LS	STANDARD 8 IN DOM WATER SERV	1,750.00	\$1,750
WATER DEPARTMENT TOTAL				\$19,100

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3.0 CONSULTANT COSTS PART A

TASK	PERSONNEL	HOURS	RATE	COST
1. CONTINUOUS INSPECTION				
	1 PE	24	82.11	1,971
	5 SDT	56	54.98	3,079
	9 INSP	560	53.33	29,865
SUBTOTAL				\$34,915
2. CONSTRUCTION SURVEYS & STAKING				
	5 SDT	4	54.98	220

	SUBTOTAL				\$220
3.	MATERIAL TESTING				
		5 SDT	8	54.98	440
	SUBTOTAL				\$440
4.	PRE-AWARD CONFERENCES				
		1 PE	4	82.11	328
		5 SDT	4	54.98	220
		8 WP	1	28.47	28
	SUBTOTAL				\$576
5.	PRE-CONSTRUCTION CONFERENCE				
		1 PE	4	82.11	328
		5 SDT	8	54.98	440
		8 WP	2	28.47	57
	SUBTOTAL				\$825
6.	PROGRESS PAYMENT				
		1 PE	4	82.11	328
		5 SDT	24	54.98	1,320
	SUBTOTAL				\$1,648
7.	TRANSMIT & ROUTE SHOP DRAWINGS				
		5 SDT	8	54.98	440
		8 WP	2	28.47	57
	SUBTOTAL				\$497
8.	CONSTRUCTION SCHEDULE				
		1 PE	2	82.11	164
		5 SDT	8	54.98	440
		8 WP	1	28.47	28
	SUBTOTAL				\$632
9.	MAINTAIN JOB RECORDS				
		1 PE	8	82.11	657
		5 SDT	56	54.98	3,079
		6 TECH	168	31.46	5,285
		8 WP	28	28.47	797
	SUBTOTAL				\$9,818
10.	PREPARE CHANGE ORDER				
		1 PE	2	82.11	164
		4 AE	4	44.07	176
		5 SDT	24	54.98	1,320
		7 DRAFT	8	28.76	230
		8 WP	2	28.47	57

	SUBTOTAL				\$1,947
11.	LIAISON BETWEEN CITY & CONTRACTOR				
	1 PE	4	82.11	328	
	5 SDT	16	54.98	880	
	8 WP	4	28.47	114	
	SUBTOTAL				\$1,322
12.	AS-BUILT RECORDS				
	5 SDT	8	54.98	440	
	7 DRAFT	16	28.76	460	
	SUBTOTAL				\$900
13.	LOG OF TESTS				
	5 SDT	4	54.98	220	
	8 WP	2	28.47	57	
	6 TECH	12	31.46	378	
	SUBTOTAL				\$655
14.	RETEST OF FAILED MATERAILS				
	5 SDT	4	54.98	220	
	8 WP	2	28.47	57	
	SUBTOTAL				\$277
15.	ASSURE MATL & EQUIP MEET SPEC				
	1 PE	8	82.11	657	
	2 SE	2	71.73	143	
	5 SDT	16	54.98	880	
	8 WP	2	28.47	57	
	SUBTOTAL				\$1,737
16.	FIELD PROBLEM				
	1 PE	8	82.11	657	
	2 SE	8	71.73	574	
	5 SDT	24	54.98	1,320	
	8 WP	4	28.47	114	
	SUBTOTAL				\$2,665
17.	CLAIMS				
	1 PE	4	82.11	328	
	2 SE	4	71.73	287	
	5 SDT	8	54.98	440	
	8 WP	2	28.47	57	
	SUBTOTAL				\$1,112
18.	PROBLEM AREAS				
	1 PE	2	82.11	164	

	5 SDT	8	54.98	440	
	8 WP	2	28.47	57	

	SUBTOTAL				\$661
19.	ADJOINING PROPERTY OWNERS				
	1 PE	4	82.11	328	
	5 SDT	12	54.98	660	
	8 WP	2	28.47	57	

	SUBTOTAL				\$1,045
20.	INTERPRET PLANS & SPECS				
	1 PE	2	82.11	164	
	5 SDT	8	54.98	440	

	SUBTOTAL				\$604
21.	FINAL INSPECTION				
	2 SE	8	71.73	574	
	5 SDT	8	54.98	440	
	8 WP	2	28.47	57	

	SUBTOTAL				\$1,071
22.	PUNCH LIST				
	2 SE	2	71.73	143	
	5 SDT	8	54.98	440	
	8 WP	2	28.47	57	

	SUBTOTAL				\$640
23.	ACCEPTANCE				
	1 PE	4	82.11	328	
	5 SDT	24	54.98	1,320	
	8 WP	4	28.47	114	

	SUBTOTAL				\$1,762
24.	CONSTRUCTION FLYERS				
	1 PE	2	82.11	164	
	5 SDT	8	54.98	440	
	7 DRAFT	8	28.76	230	
	8 WP	2	28.47	57	

	SUBTOTAL				\$891
25.	INFORMATION				
	1 PE	1	82.11	82	
	5 SDT	4	54.98	220	
	8 WP	1	28.47	28	

	SUBTOTAL				\$330
26.	MONITOR AFFIRMATIVE ACTION				

5 SDT	8	54.98	440
8 WP	16	28.47	456

SUBTOTAL \$896

TOTAL LABOR \$68,086

SUBCONSULTANTS

ST ENGINEERING (MBE) - CONSTRUCTION STAKING	8,245
HONG CONSULTING ENGINEERING (MBE) - MATERAIL TESTING	7,500

CTS (WBE) - PROJECT RECORDS & PROGRESS PAYMENTS	15,745	15.1%
	12,437	11.9%

EXPENSES - TRANSPORTATION & REPRODUCTION COSTS \$28,182
\$500

PART A TOTAL \$96,768

PART B DESIGN ACTIVITIES DURING CONSTRUCTION

TASK	PERSONNEL	HOURS	RATE	COST
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1. REVIEW OF BIDS

1 PE	2	82.11	164
5 SDT	6	54.98	330
8 WP	2	28.47	57

SUBTOTAL \$551

2. RECOMMENDATION TO AWARD

1 PE	2	82.11	164
5 SDT	2	54.98	110
8 WP	1	28.47	28

SUBTOTAL \$302

3. DESIGN DURING CONSTRUCTION

1 PE	8	82.11	657
2 SE	16	71.73	1,148
4 AE	16	44.07	705
5 SDT	24	54.98	1,320
6 TECH	40	31.46	1,258
7 DRAFT	40	28.76	1,150
8 WP	8	28.47	228

\$6,466

EXPENSE - TRANSPORTATION & REPRODUCTION COSTS \$200

PART B TOTAL \$7,519

CONSULTANT COST TOTAL \$104,287

4.0 SQUARE D - DEAN STREET

PART A - WATER

MATERIALS & LABOR	20,000
ENGINEERING @ 30%	6,000

PART A - SUBTOTAL	26,000
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PART B - SANITARY SEWER & STORM DRAIN / DEAN STEET

MATERIALS & LABOR	42,000
MISC. EXPENSES	4,000
CONTRACT CONTROL	14,000

PART B - SUBTOTAL	60,000
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SQUARE D - DEAN STEET TOTAL	\$86,000
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100 PERCENT STATE COST	\$677,844
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SUMMARY

1.0 MATERIALS COST	\$468,457
2.0 SEATTLE WATER DEPARTMENT	\$19,100
3.0 CONSULTANT COSTS	\$104,287
4.0 SQUARE D COSTS	\$86,000

TOTAL COST	\$677,844
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Pool Engineering, Inc.

All Inclusive Hourly Rate Schedule for 1985

Labor Classification	Direct Labor Hourly Rate	Fringe Benefit	General & Admin Overhead	Fixed Fee	Total Hourly Rate
Principal Engineer (PE)	\$27.40	\$17.54	\$27.40	\$9.77	\$82.11
Senior Engineer (SE)	23.94	15.32	23.94	8.53	71.73
Design Engineer	19.90	12.74	19.90	7.09	59.63
Assistant Engineer (AE)	14.71	9.41	14.71	5.24	44.07
Senior Technician (SDT)	18.35	11.74	18.35	6.54	54.98
Technician (TECH)	10.50	6.72	10.50	3.74	31.46
Senior Inspector (INSP)	17.80	11.39	17.80	6.34	53.33
Inspector	12.50	8.00	12.50	4.46	37.46
Supervising Surveyor	21.92	14.03	21.92	7.81	65.68

Party Chief	11.60	7.42	11.60	4.13	34.75
Instrument Man	10.30	6.59	10.30	3.67	30.86
Head Chainman	9.50	6.08	9.50	3.39	28.47
Rear Chainman	6.75	4.32	6.75	2.41	20.23
Drafter (DRAFT)	9.60	6.14	9.60	3.42	28.76
Word Processor (WP)	9.50	6.08	9.50	3.39	28.47

The above all inclusive hourly rates are in effect for the calendar year 1985.

Direct project expenses - reproduction, computer charges, etc. - are billed at cost.

Project-related travel with company or private vehicles is at the rate of \$0.20 per mile.

EXHIBIT "D"

WORK BY CITY CONSULTANT

Construction Administration

The construction contract administration services shall include but not be limited to the following:

1. Enforce construction contract requirements.
 - a) provide continuous inspection of project construction and assure conformance by the contractor to the contract drawings and specifications
 - b) provide a resident engineer experienced in the type of work to be done
 - c) provide additional engineers and inspectors, or assistants, as necessary to assure that the provisions of the contract documents are being fulfilled.
 - d) Be present on the job site at all times the contractor is performing work except when required to attend off-site meetings or except such times as presence deemed unnecessary by the Principal Construction Engineer.
2. Provide construction surveys and staking as necessary to complete the construction within the construction contract requirements.
3. Provide all material testing.
 - A. Initial compliance.
 - a) products made locally such as concrete, fabricated steel, concrete pipe, aggregates, etc. may be sampled and tested at the job site or point of manufacture
 - b) products shipped from outside of the Seattle area such as pipe, cement, etc. may be accepted by proper certificates of compliance and checked by testing samples obtained from the job site
 - c) all materials used in each project are to be tested and the tests documented, except that minor quantities of materials may be accepted by visual observation
 - B. Subsequent compliance.
 - a) all sampling and testing required as the work progresses to ensure proper and continued control of materials
4. Attend preaward conferences.
5. Organize and conduct the preconstruction conference including coordination with all affected agencies, utilities and CITY departments and divisions. Prepare and distribute the minutes of the conference.
6. Prepare progress payments to the contractor.
 - a) verify all pay quantities used for the project construction
 - b) collect and tabulate all quantity delivery tickets
 - c) maintain record of all quantity calculations and substantiating certifications (to be provided monthly to the CITY)
 - d) payment estimate in final format will be prepared by the CITY

EXHIBIT "D" (continued)

Construction Administration (continued)

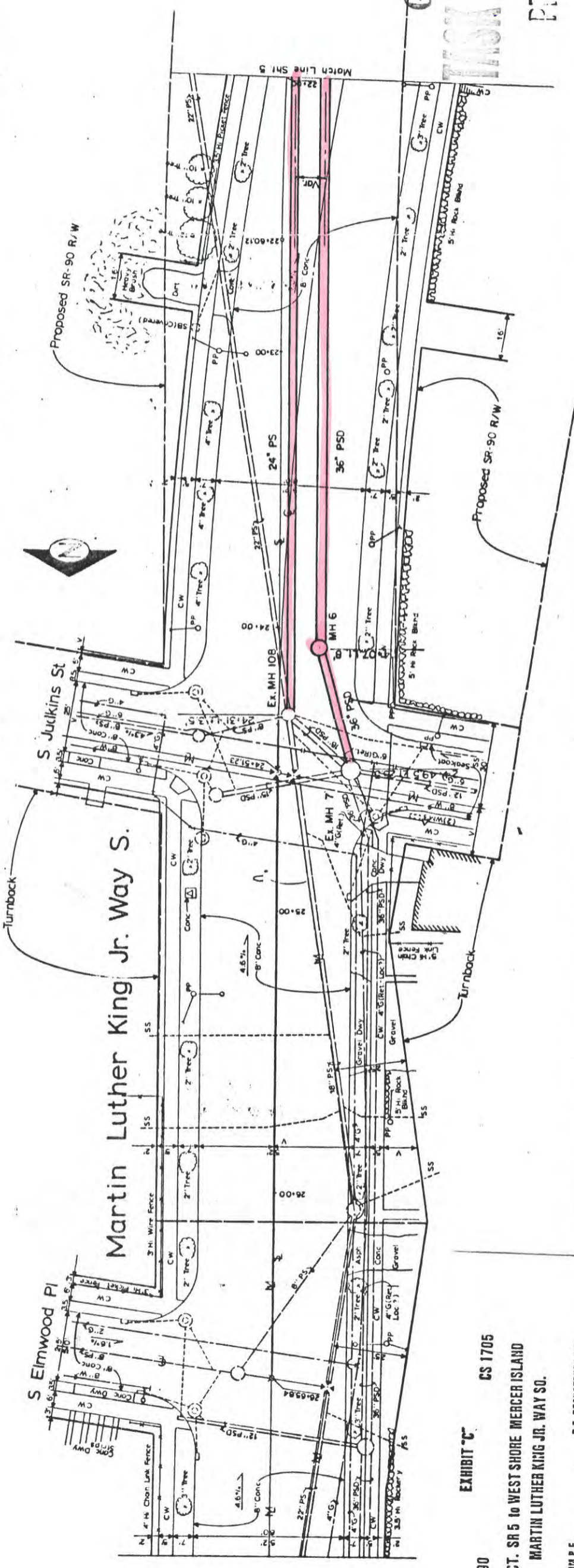
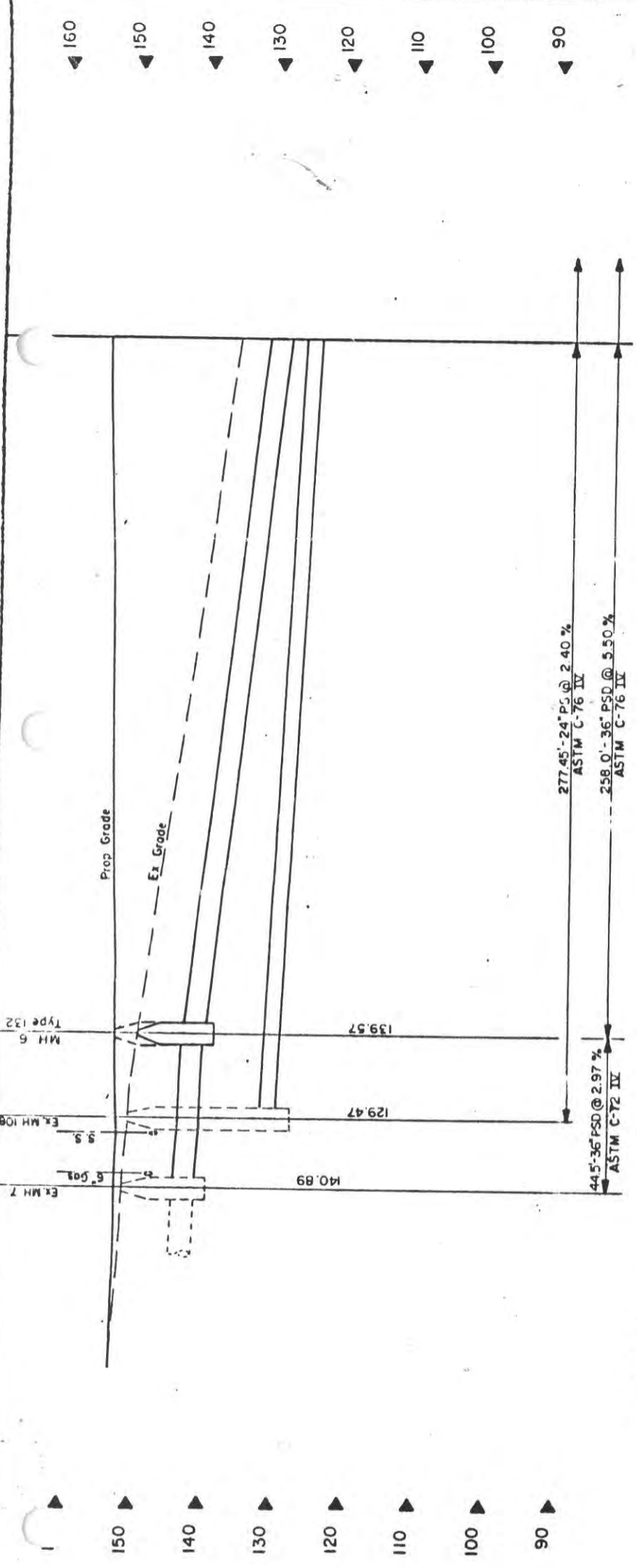
7. Transmit, route and approve shop drawings and maintain a log thereof.
8.
 - a) review and make recommendation for approval of required construction schedule provided by the contractor
 - b) review contract progress in relation to approved progress schedule
 - c) enforce rescheduling of procedures if contract falls behind schedule
9. Maintain complete job records - records will include:
 - a) daily reports
 - b) quantity calculations
 - c) as-built records
 - d) coordinate preconstruction and construction progress photographs if requested - photographs will be taken and printed by the CITY
 - e) maintain complete set of updated contract documents including drawings, agreement, proposal, general provisions, special provisions and change orders
 - f) test reports
 - g) survey notes, including cut sheets
 - h) transmittal records
 - i) record of weather and weather days
 - j) payment estimates
 - k) change orders
 - l) shop drawing transmittal records
 - m) construction correspondence
 - n) contractor payrolls if requested

Consultant must use Seattle Engineering Department standards forms, where applicable, for records and reporting procedures. Forms will be provided by the City.
10. Prepare change orders as necessary. Review proposed costs and make recommendations to the City as applicable.
11. Maintain liaison between the City and the contractor. Keep the Director of Engineering informed of progress and costs.
12. Review as-builts records on a regular basis and be sure that they are kept updated.
13. Maintain a running log of all tests taken, including location, date and results.
14. Make sure that all materials and/or installation which has failed to pass specified tests are retested and acceptable before final acceptance.
15. Assure that all materials and equipment meeting specified requirements before allowing installation or placement.
16. Provide quick response to all field problems and any communication from the contractor.

EXHIBIT "D" (continued)

Construction Administration (continued)

17. Answer all claims submitted by the contractor and/or request for additional cost or extension of time immediately.
18. Feedback information of problems areas to the project engineer immediately so correction can be made at the job site. Problems involving design changes and/or change in construction time must be addressed to the City. Changes in design, cost and/or time must have prior City approval in writing.
19. Resolve complaints and answer questions from all adjoining property owners. This will be on an individual basis and will not include public meetings or requests from community clubs for public meetings, which are to be handled by the CITY.
20. Provide to the contractor requested interpretation of contract plans and specifications.
21. Conduct final inspection in coordination with the project engineering and all affected agencies and utilities including other CITY departments and divisions. Prepare and distribute a formal punch list of items in need of correction and/or completion by the construction contractor.
22. Make final check for satisfactory completion of all punch list items and all construction requirements by the construction contractor. Obtain concurrence from all affected agencies, utilities, departments and divisions.
23. Provide recommendation to the Director of Engineering for acceptance of completion of the construction contract. Include review of the requests for extension of time by the contractor. Include recommendation for assessment of liquidated damages, if applicable, and supplemental contract for plan establishment year, if applicable. Also provide an evaluation of the contractor's performance.
24. Prepare and distribute construction flyers to adjacent property owners.
25. At completion of work, prior to final acceptance, provide the CITY with all completed field books, inspector's diary and marked up set of plans showing as-built conditions and summary tabulations of all installed bid quantity items, all field notes and other job records as listed.
26. Monitor contractor's compliance with affirmative action requirements and training program requirements, if applicable. Coordinate with the City of Seattle Human Rights Department as necessary to assure compliance. Review and make recommendations on all subcontracting approval request.



G07263
 DESIGN NO. 7
 DESIGN

1-7-85

PC 61181A	DATE
LP 51225C	DATE
WHAT PLAN IS	
NO.	

SR 90 - Seattle
Street & Utility Reconstruction
 Contract
 Martin Luther King, Jr Way S et al
 by Sewers, Stormdrains, etc.

THE CITY OF SEATTLE
 DEPARTMENT OF ENGINEERING
 Planning & Surveying Division

DATE	INITIALS AND DATE

APPROVED FOR ADVERTISING
 BY THE BOARD OF PUBLIC WORKS
 SEATTLE COMMUNITY
 APPROVED

SR 90
EXHIBIT C
CS 1705
JCT. SR 5 to WEST SHORE MERCER ISLAND
MARTIN LUTHER KING JR. WAY SO.

R.E. TIMPA, P.E.
 LOCATION ENGINEER

R.E. BOCKSTUCK, P.E.
 DISTRICT ADMINISTRATOR

SHEET OF 57

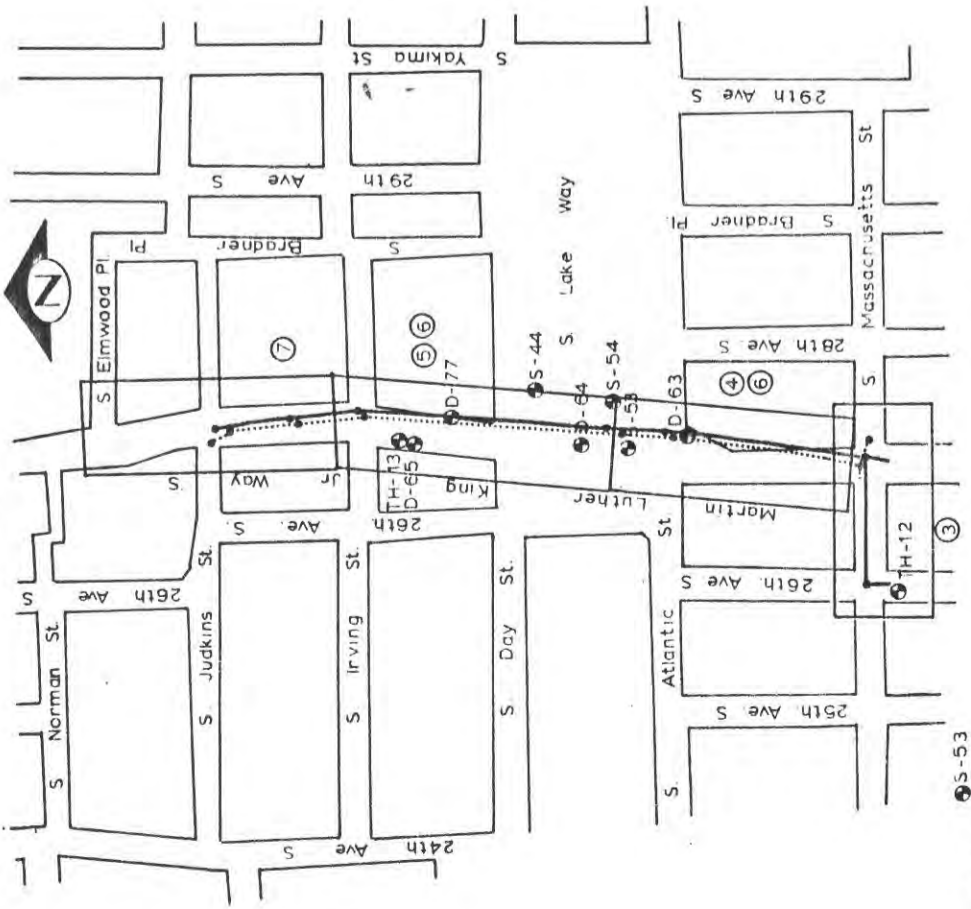
NOTES:
Unless Otherwise Specified

GENERAL:

- Datum: City of Seattle.
- Expose existing utilities as required by the Engineer to verify elevations and size prior to laying new utility.
- Where a new utility clears an existing or new utility by 6" or less, styrofoam blocking shall be placed as a cushion between the utilities.
- Reference to detail sheet (A) - Detail reference letter from which detail was taken. (9) - Sheet on which detail appears. Sheet on which detail appears (A) - Detail reference letter. (5) - Sheet on which detail was taken.

DRAINAGE AND SEWERAGE:

- Pipe less than 12" diameter shall be concrete and conform to ASTM C-14 Class 3.
- Pipe 12" and 15" diameter shall be concrete and conform to ASTM C-76 Class IV.
- Pipe 18" diameter and larger shall be concrete and conform to ASTM C-76 Class III.
- Ductile iron pipe and fittings shall conform to AWWA C-151 Class 50.
- CMP shall be aluminum and conform to AASHTO M196 type I. Perforated pipe for sub surface drains shall conform to type III Class 1.
- Catch basin connections, inlet connections and service drains shall be 8" diameter pipe.
- Side sewers shall be 6" diameter pipe.
- New tees on existing pipe shall be connected by core drilling and a flexible connection. See special specifications.
- Catch basin type 171A/171B and inlet type 165/166 shall use a type 168/169 inlet frame with a vane grate per detail sheet
- Service drains and side sewers shall be connected as directed by the Engineer.
- Existing service drains and side sewers shall be reconnected to clear over or under an existing or new utility as directed by the Engineer.
- Reconnection of existing catch basins shall include new traps.
- Service drains and side sewers shall not be backfilled until the location and depth is determined and recorded by the Engineer.



LEGEND

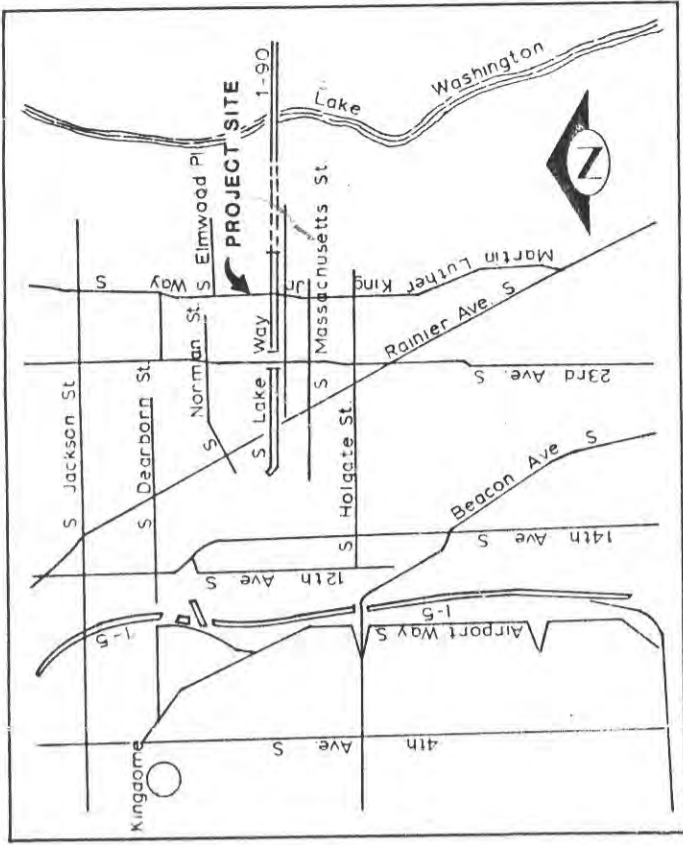
- PS And MH
- PSD And MH
- Sheet With PS And PSD
- Sheet Number
- TH-12 Boring Locations

SHEET INDEX MAP

Scale: 200' 100' 0 200 400

SHEET INDEX

Description	Sheet
Vicinity Map, Sheet Index And Map, And Construction Notes	1
Log Of Test Borings	2
Sewer And Storm Drain Improvements, Plan And Profile	3-7
Details	8-10



VICINITY MAP

No Scale

Watermains:

- Pipe (W) shall be DIP CI 52.
- Hydrants shall be per details be 6" DIP CI 52
- Elevations are to bottom of watermain.
- indicates elevation of top of hydrant.
- Horizontal angle points and vertical grade points shall be made by deflecting at pipe joints
- Concrete blocking shall be per standard plan 192 or A.P.W.A. Standard Plan 73.
- Ex. watermains shall be exposed at connection locations prior to beginning work to determine line and grade changes and O.C. of ex. pipe

SR 90

EXHIBIT "C"

CS 1705

JCT. SR 5 to WEST SHORE MERCER ISLAND
MARTIN LUTHER KING JR. WAY SO.

R.E. TIMM, P.E.
LOCATION ENGINEER

R.E. BOCKSTUCK, P.E.
DISTRICT ADMINISTRATOR

Vicinity Map, Notes, A

SHEET 1 OF 7

9	PC	S118.4A
9	NW	
9	CD	S1226 C
		VAULT PLAN NO.
		SHEET 1 OF

SR 90 - Seattle
Street & Utility Reconstruction
Contract
Martin Luther King, Jr. Way S. et al
by Sewers, Stormdrains, etc.

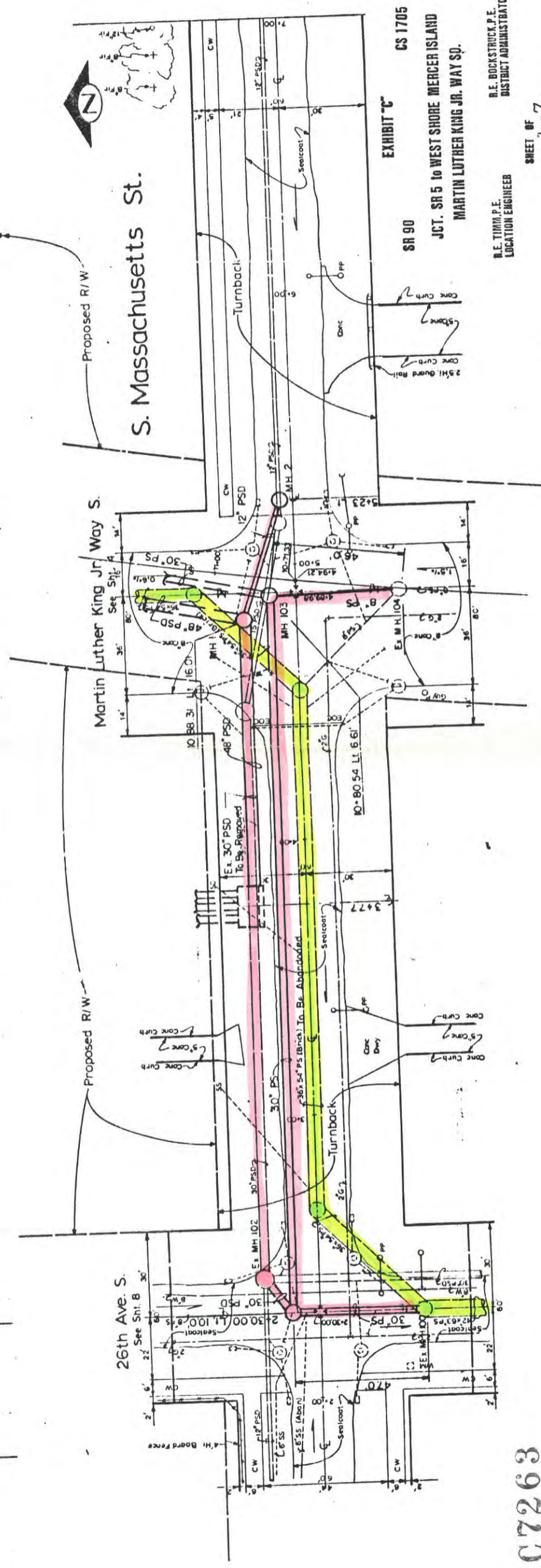
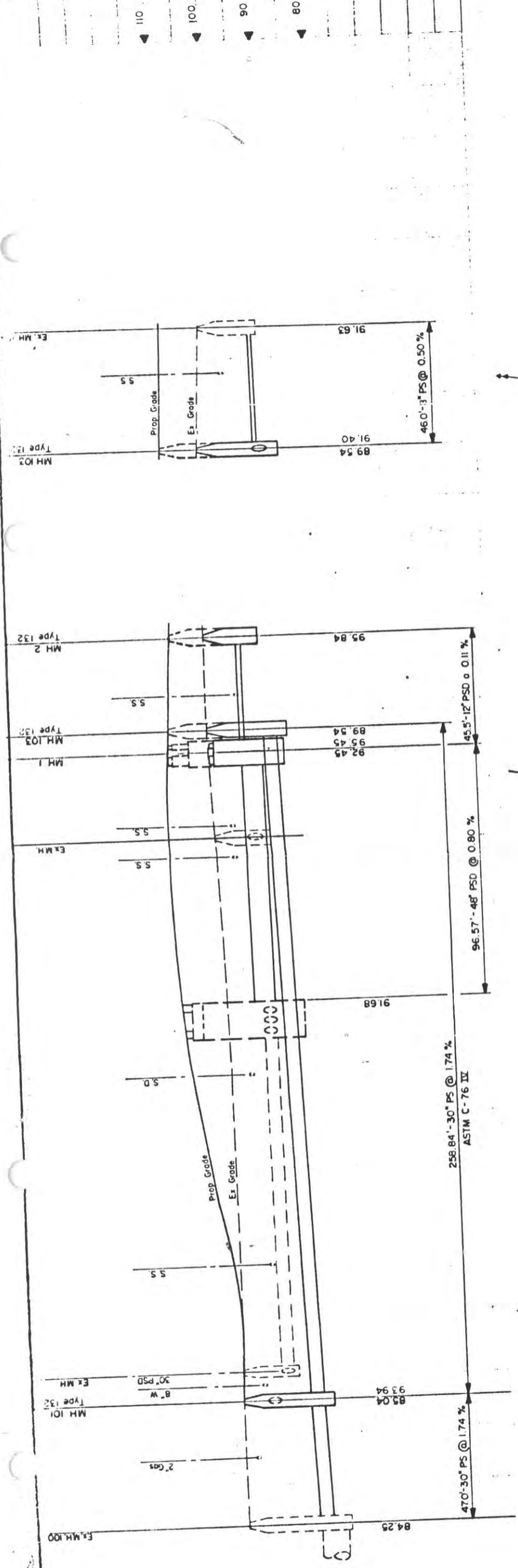
THE CITY OF SEATTLE
DEPARTMENT OF ENGINEERING
EUGENE V. AVERY, P.E., DIRECTOR OF ENGINEERING
ORDINANCE NO. APPROVED
FUND: V
SCALE: N
INSPECTOR'S BOOK NO.

NAME OR INITIALS AND DATE	INITIALS AND DATE
DESIGNED	REVIEWED
CHECKED	DES
DRAWN	TRANS. SVC.
CHECKED	RECEIVED
DESIGN REVIEW	RECEIVED AS BUILT

All work done in accordance with the City of Seattle Standard Specifications for Public Works, 1997 Edition, and the Standard Specifications for Public Works, 1997 Edition, as amended.

APPROVED FOR ADVERTISING
BY THE BOARD OF PUBLIC WORKS
SEATTLE WASHINGTON 19
ATTEST: CHAIRMAN EXECUTIVE SECRETARY PROJECT NO.

GC7263
TASK ORDER NO. 7



GC7263

TASK ORDER NO. 7

APPROVED FOR ADVERTISING
BY THE BOARD OF PUBLIC WORKS
SEATTLE WASHINGTON

NAME OR INITIALS	DATE	INITIALS AND DATE

THE CITY OF SEATTLE
DEPARTMENT OF ENGINEERING
SUPERVISOR OF PUBLIC WORKS

SR 90 - Seattle
Street & Utility Reconstruction
Contract
Martin Luther King, Jr Way, S et al
by Sewers, Stormdrains, etc

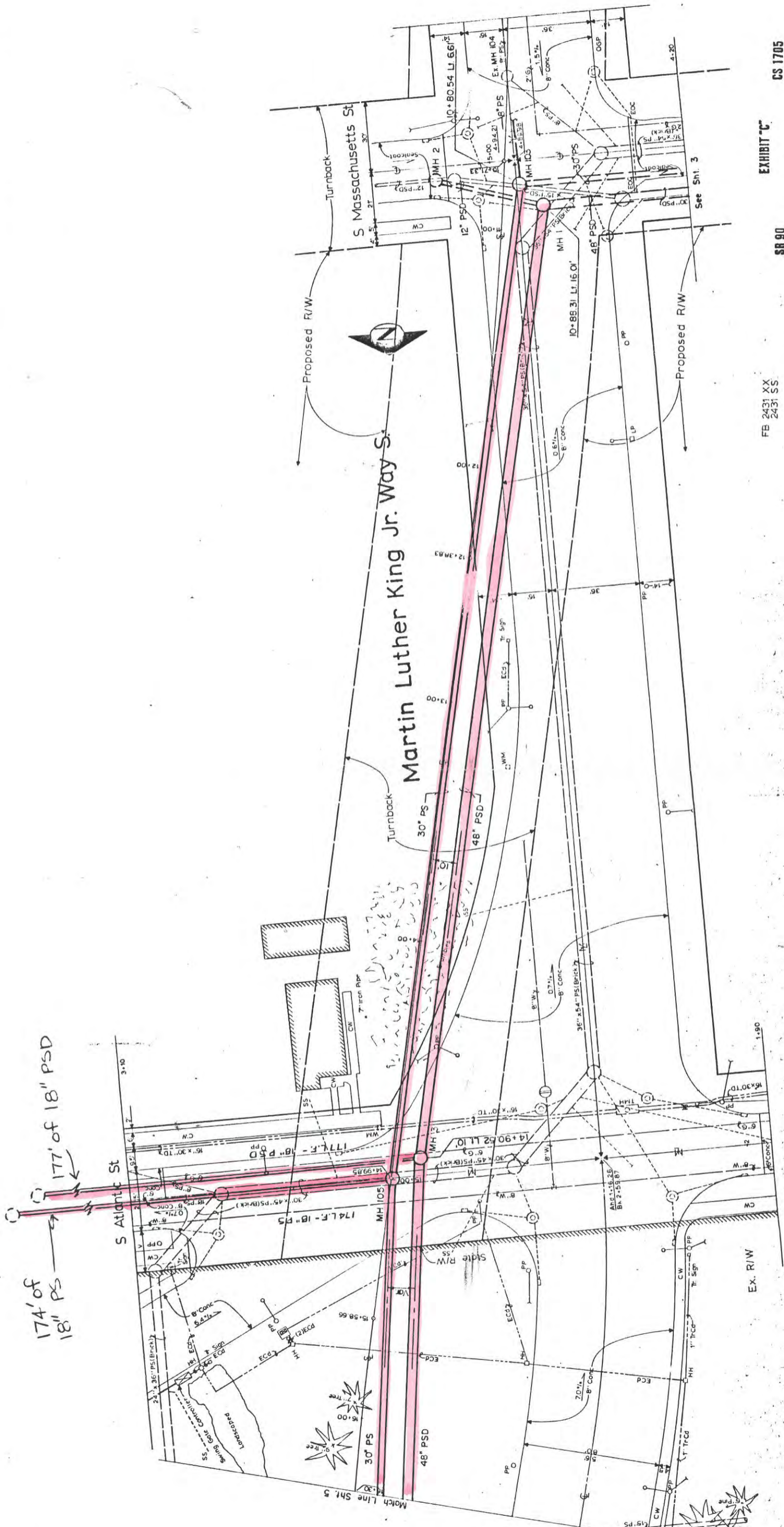
SHEET OF 2-7

B.E. TIMM, P.E.
LOCATION ENGINEER

R.E. BOCKSTUCK, P.E.
DISTRICT ADMINISTRATOR

1-7-55

PC 51231A	
RAW 51220C	
CO 51220C	
TOTAL PLAN NO.	
SHEET 3	OF 4



FB 2431 XX
2431 SS

SR 90 EXHIBIT "C" CS 1705

JCT. SR 5 to WEST SHORE MERCER ISLAND
MARTIN LUTHER KING JR. WAY SO.
R.E. TIMPA P.E. LOCATION ENGINEER
R.E. BOCKSTRUCK P.E. DISTRICT ADMINISTRATOR

SHEET OF 3-7

PC 511844	DATE
BY	
ECG 512200	
WILLIAM	
NO. 4	

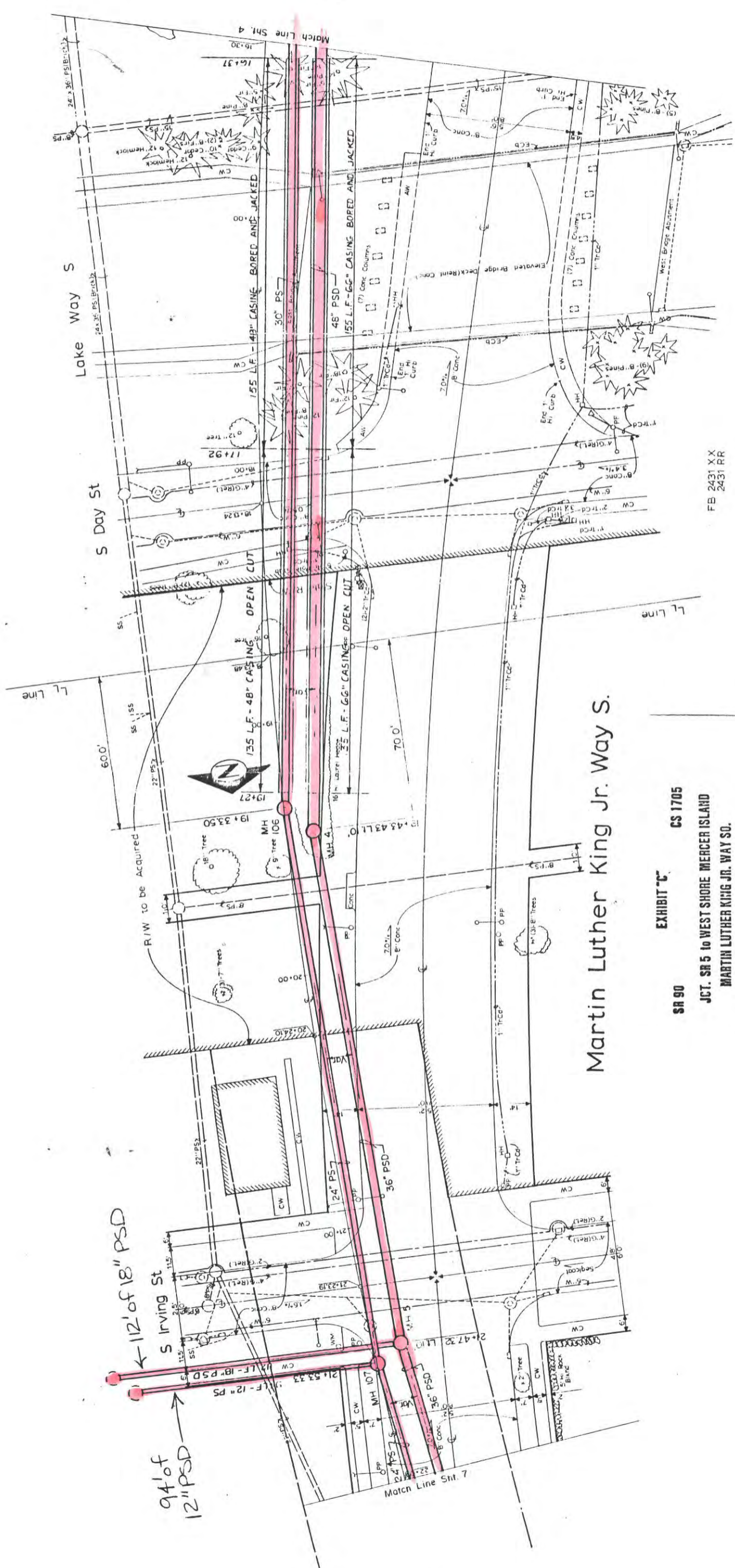
SR 90 - Seattle
Street & Utility Reconstruction
Contract
Martin Luther King, Jr Way S et al
by Sewer, Stormdrain, etc

THE CITY OF SEATTLE
DEPARTMENT OF ENGINEERING
ENGINEER IN CHARGE: P.E. [Name]
DATE: [Date]

NO.	INITIALS	DATE	REVISIONS AND DATE

APPROVED FOR ADVERTISING
BY THE BOARD OF PUBLIC WORKS
SEATTLE WASHINGTON
DATE: [Date]

GC 7263
ASK ORDER NO. 7



PRELIMINARY
 1/22/85

Martin Luther King Jr. Way S.

SR 90 CS 1705
 EXHIBIT "C"
 JCT. SR 5 to WEST SHORE MERCER ISLAND
 MARTIN LUTHER KING JR. WAY SO.

R.E. TIRRELL, P.E.
 LOCATION ENGINEER

SHEET OF 4 7

R.E. BOCKSTRUCK, P.E.
 DISTRICT ADMINISTRATOR

GC7263

DRAWING NO. 7

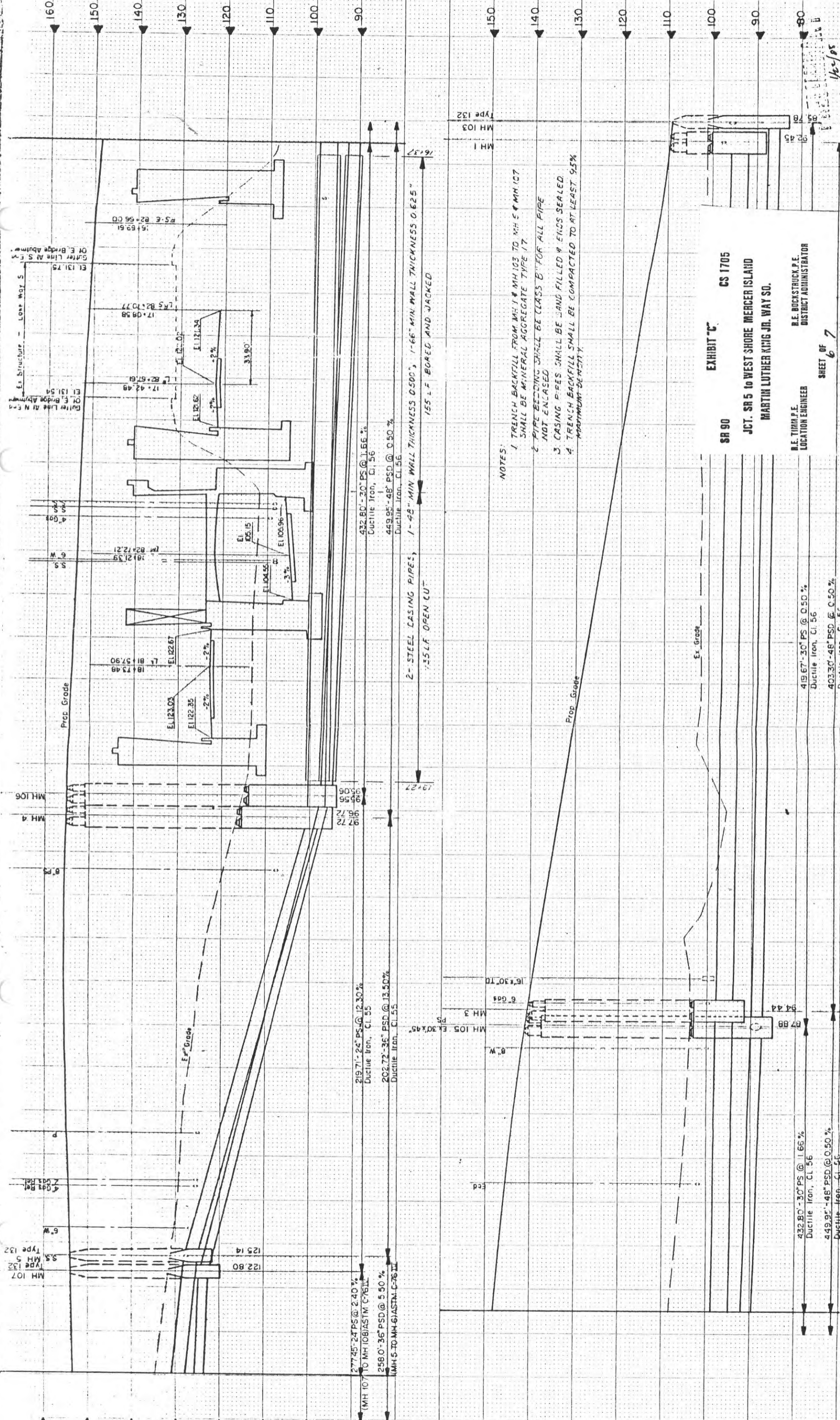
APPROVED FOR ADVERTISING
 BY THE BOARD OF PUBLIC WORKS

NAME, TITLE, INITIALS, AND DATE

THE CITY OF SEATTLE
 DEPARTMENT OF ENGINEERING

SR 90 - Seattle
 Street & Utility Reconstruction
 Contract
 Martin Luther King, Jr. Way S et al
 by Sewers, Stormdrains, etc

SHEET 5 OF



- NOTES:
1. TRENCH BACKFILL FROM MH 1 & MH 103 TO MH 5 & MH 107 SHALL BE MINERAL AGGREGATE TYPE 17.
 2. PIPE BEDDING SHALL BE CLASS "B" FOR ALL PIPE NOT ENCASED.
 3. CASING PIPES SHALL BE SAND FILLED & ENDS SEALED.
 4. TRENCH BACKFILL SHALL BE COMPACTED TO AT LEAST 95% MAXIMUM DENSITY.

SR 90
 EXHIBIT "C"
 CS 1705
 JCT. SR 5 TO WEST SHORE MERCER ISLAND
 MARTIN LUTHER KING JR. WAY SO.

R.E. TIRUM, P.E.
 LOCATION ENGINEER

R.E. BOCKSTRUCK, P.E.
 DISTRICT ADMINISTRATOR

SHEET OF 6 7

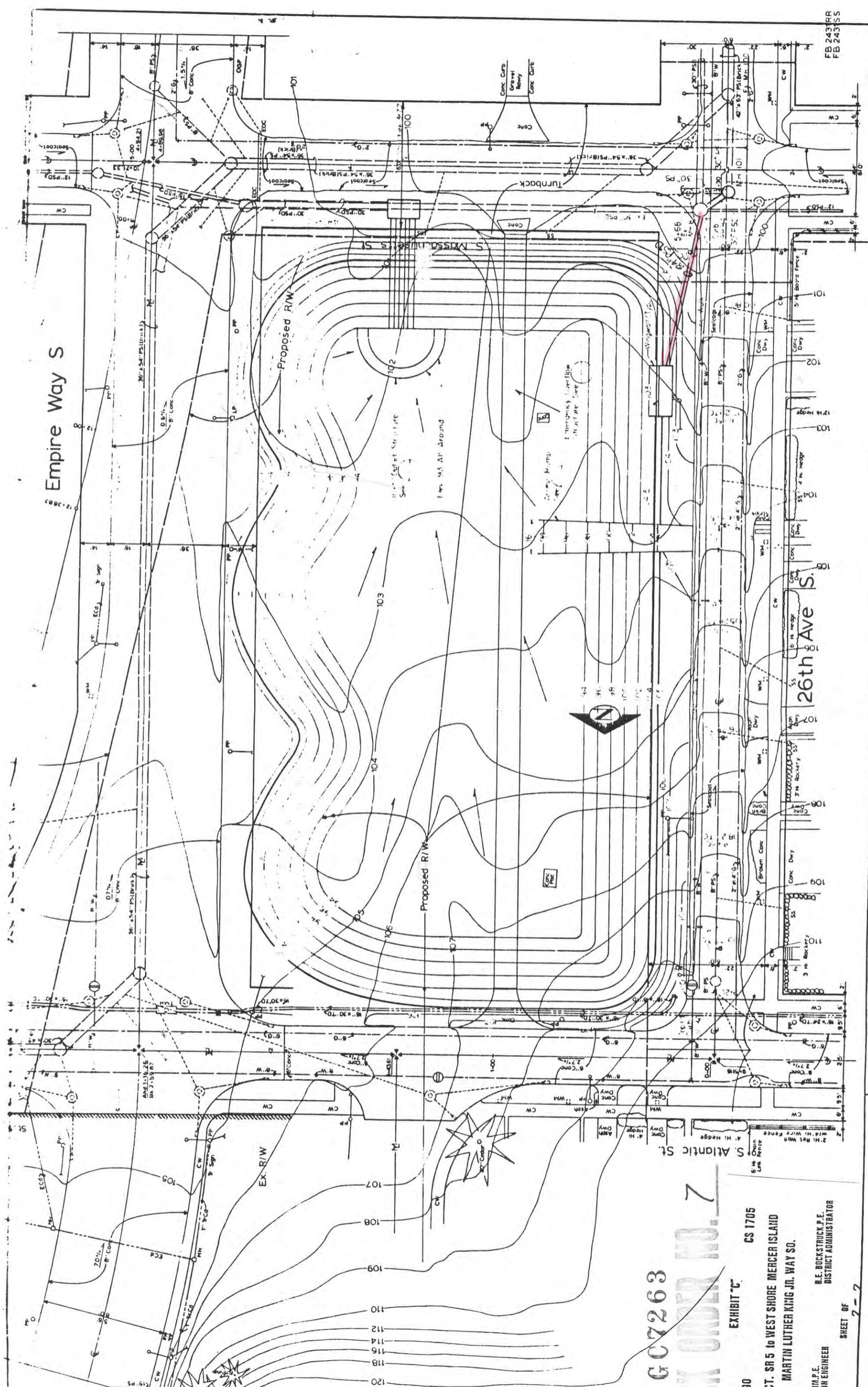
PC S1184A
 MW
 CO. S1226C
 SHEET E OF

SR 90 - Seattle
Street & Utility Reconstruction
 Contract
 Martin Luther King, Jr. Way S. et al
 by Sewers, Stormdrains, etc.

THE CITY OF SEATTLE DEPARTMENT OF ENGINEERING EUGENE V. AVERY, P.E., DIRECTOR OF ENGINEERING	APPROVED FOR ADVERTISING BY THE BOARD OF PUBLIC WORKS SEATTLE WASHINGTON	INITIALS AND DATE REVIEWED DESIGNED DRAWN CHECKED DESIGN REVIEW RECEIVED AS BUILT
ORDINANCE NO. FUND SCALE	APPROVED INSPECTOR'S BOOK NO.	PROJECT NO.

G C 7263

ASK ORDER NO. 7



Empire Way S

Proposed R/W

Proposed R/W

26th Ave S.



G07263
 MAX ORDER NO. 7

SR 90
 EXHIBIT "C"
 CS 1705
 JCT. SR 5 to WEST SHORE MERCER ISLAND
 MARTIN LUTHER KING JR. WAY SO.
 R.E. TIARA, P.E.
 LOCATION ENGINEER
 R.E. BOCKSTRUCK, P.E.
 DISTRICT ADMINISTRATOR

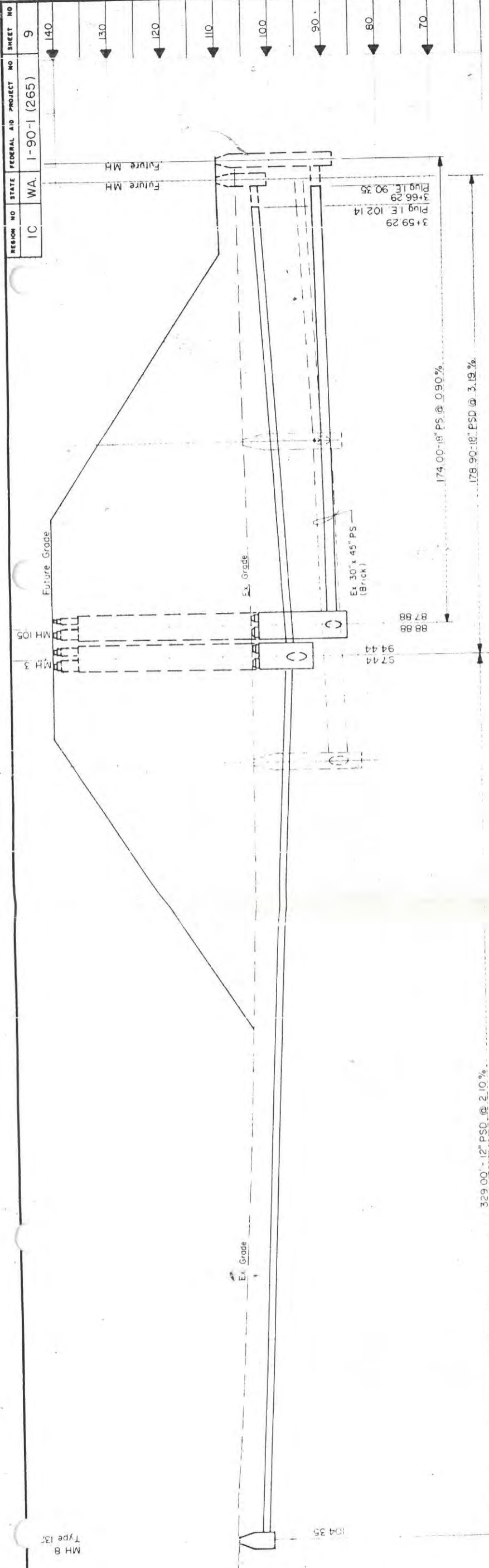
SHEET OF
 7-2

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 BY THE BOARD OF PUBLIC WORKS

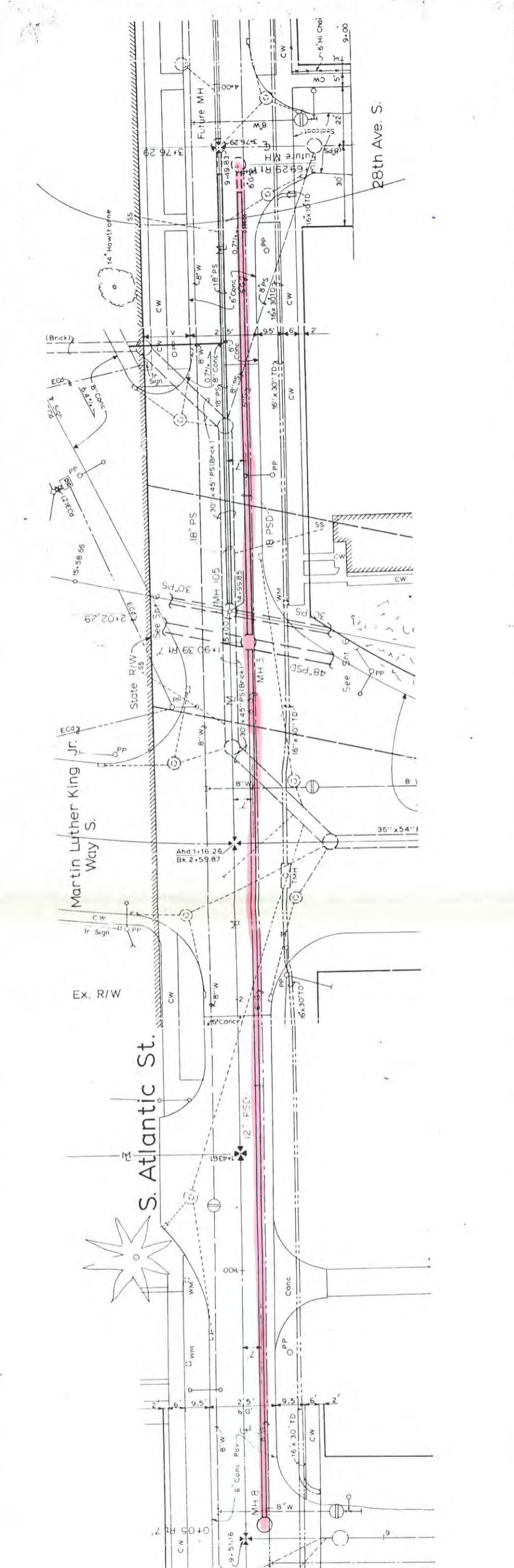
THE BOARD OF PUBLIC WORKS
 DISTRICT ADMINISTRATOR

SR 90 - Seattle
 Street & Utility Department

FB 2431RR
 FB 2431SS



329.00' - 12" PSD @ 2.10%
 174.00' - 18" PS @ 0.90%
 178.90' - 18" PSD @ 3.19%



NOTE
 Manholes Shall Be Constructed To Existing Grade - Extensions To Future Grade Shown For Reference Only

REGION NO. IC WA. 1-90-1 (265) FEDERAL AID PROJECT NO. 9 SHEET NO. 140		PC S.1194.A MW S.1226.C CO S.1226.C VALU PLAN NO.	
SR 90 - Seattle Street & Utility Reconstruction Contract Martin Luther King, Jr. Way S. et al by Sewers, Stormdrains, etc.		THE CITY OF SEATTLE DEPARTMENT OF ENGINEERING EUGENE V. AVERY P.E., DIRECTOR OF ENGINEERING	
APPROVED FOR ADVERTISING BY THE BOARD OF PUBLIC WORKS SEATTLE WASHINGTON 19		INITIALS AND DATE REVIEWED DES. CONST. CHECKED TRANS. S.V.C. POLL. MOR. DRAWN RECEIVED DESIGN REVIEW RECEIVED AS B.M.T. <small>All work done in accordance with the City of Seattle Standard Plans and Specifications in effect on the date shown above, and supplemented by Special Provisions.</small>	
ATTEST: EXECUTIVE SECRETARY PROJECT NO.		ORDINANCE NO. APPROVED FUND: Y. INSPECTOR'S BOOK NO.	
GC7263 SK ORDER NO. 7		SHEET 7A OF 7	

110	
100	
90	
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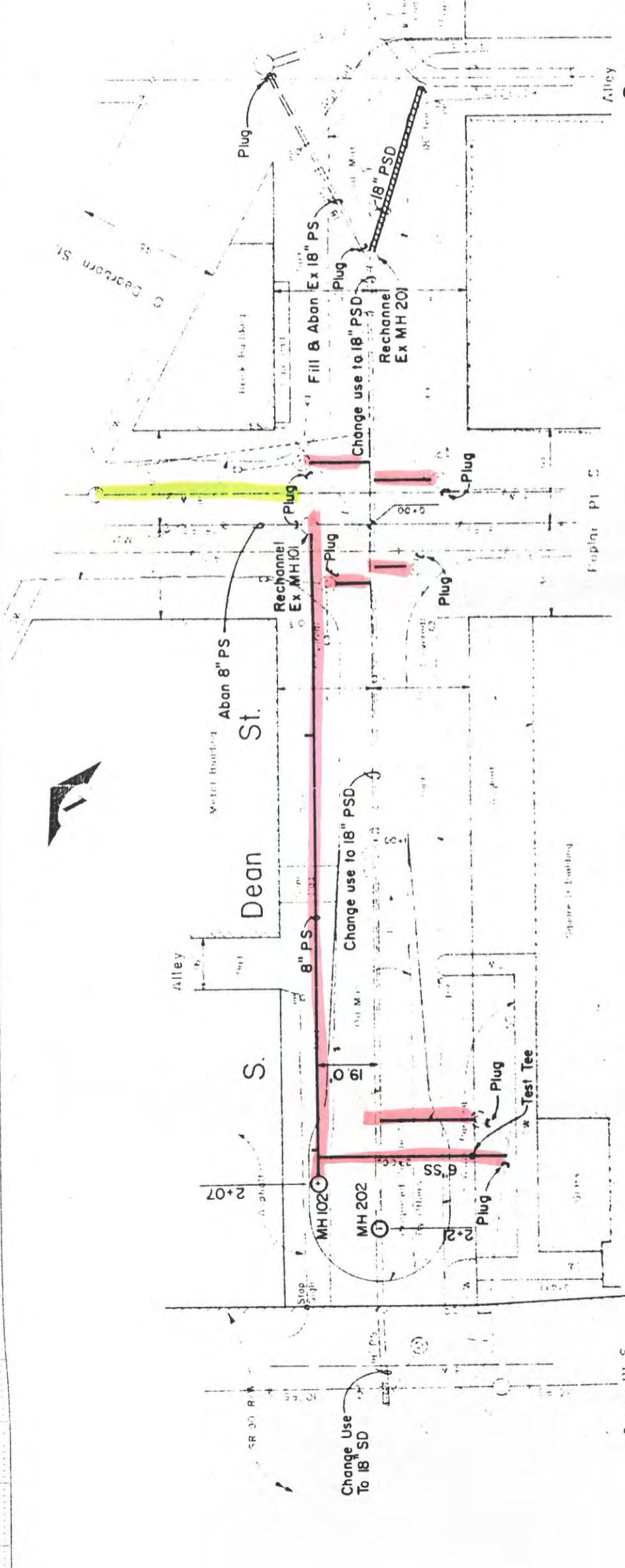
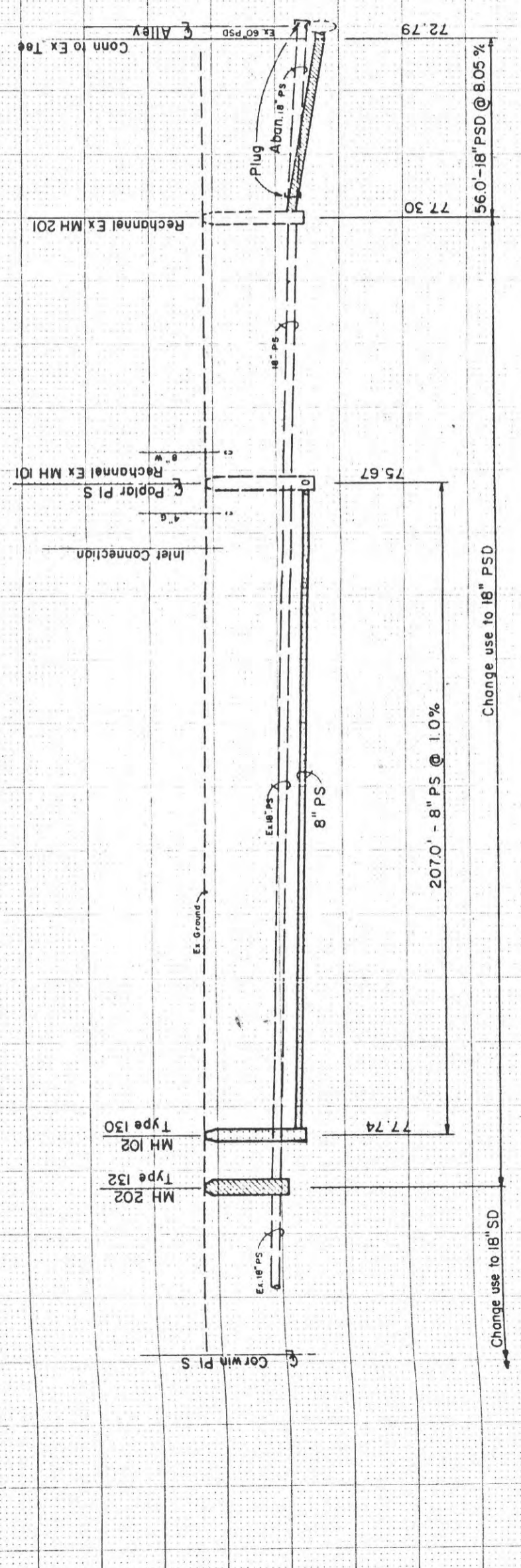
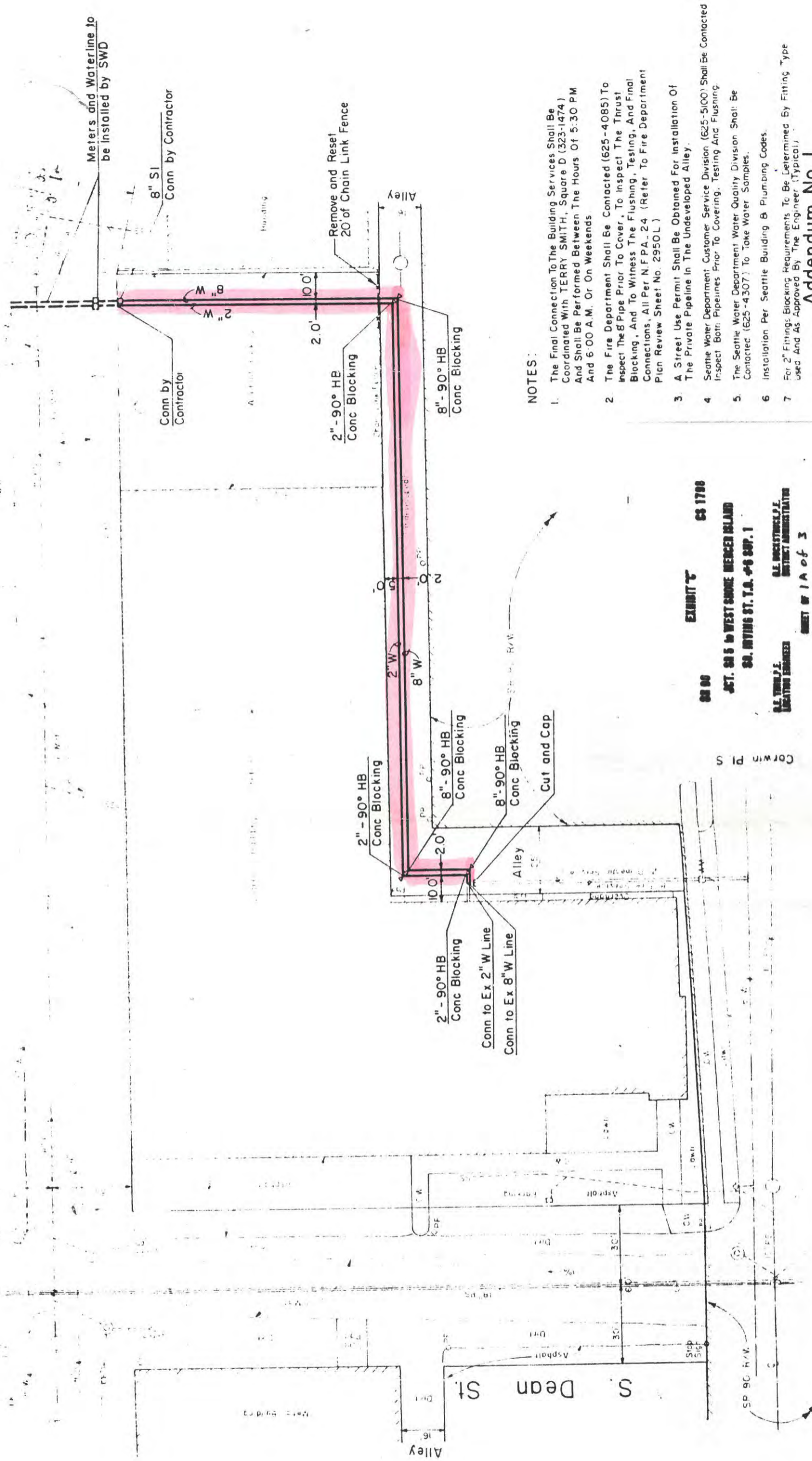


EXHIBIT C
 88 00
 68 1788
 JCT. SR 5 to WEST SHORE MERCED ISLAND
 SR. IRVING ST. T.O. to SR. 1
 D.L. THOMPSON, P.E.
 LEADING ENGINEER
 D.L. HACKETT, P.E.
 DISTRICT ADMINISTRATOR
 SHEET OF 2 A of 3

Addendum No. 1
 Sewer and Stormdrain Improvements
 SR 90 - Seattle
 Street & Utility Reconstruction
 Contract 6
 S Irving Street, et al
 by Sewers, Stormdrains, Watermains, etc

<p>ST ENGINEERING, INC. Engineers & Surveyors Consultant 755 7th Avenue, Suite 210 Redmond, Washington 98073 206/881-8638</p>	APPROVED FOR ADVERTISING BY THE BOARD OF PUBLIC WORKS SEATTLE, WASHINGTON ATTEST: _____ SECRETARY PROJECT NO. _____	NAME OR INITIALS AND DATE DESIGNED: _____ CHECKED: _____ DRAWN: _____ DESIGNED: _____ CHECKED: _____ DESIGN REVIEW: _____ REVISIONS AS BUILT: _____ ALL work done in accordance with the City of Seattle Standard Plans and Specifications in effect on the date shown above, and supplemented by "Special" Instructions.	INITIALS AND DATE REVIEWED: _____ DESIGNED: _____ TRANSD: _____ RECEIVED: _____ APPROVED: _____ INSPECTOR'S BOOK NO. _____
	THE CITY OF SEATTLE DEPARTMENT OF ENGINEERING EUGENE V. AVERY, P.E., DIRECTOR OF ENGINEERING ORDINANCE NO. _____ FUND _____ SCALE: _____	KC-51844 MW CO-942,266 VAULT PLAN NO. _____ SHEET _____ OF _____	

Poplar Pl. S.



NOTES:

- The Final Connection To The Building Services Shall Be Coordinated With TERRY SMITH, Square D (323-1474) And Shall Be Performed Between The Hours Of 5:30 P.M. And 6:00 A.M. Or On Weekends.
- The Fire Department Shall Be Contacted (625-4085) To Inspect The Pipe Prior To Cover, To Inspect The Thrust Blocking, And To Witness The Flushing, Testing, And Final Connections, All Per N.F.P.A. 24 (Refer To Fire Department Plan Review Sheet No. 2950 L)
- A Street Use Permit Shall Be Obtained For Installation Of The Private Pipeline In The Undeveloped Alley.
- Seattle Water Department Customer Service Division (625-5100) Shall Be Contacted To Inspect Both Pipelines Prior To Covering, Testing And Flushing.
- The Seattle Water Department Water Quality Division Shall Be Contacted (625-4307) To Take Water Samples.
- Installation Per Seattle Building & Plumbing Codes.
- For 2" Fittings Blocking Requirements To Be Determined By Fitting Type Used And As Approved By The Engineer (Typical).

EXHIBIT C
 63 1780
 ACT. 88 5 to WEST GARDNER MERGED ISLAND
 88. IRVING ST. T.O. #6 SUP. 1
 D.L. THOMPSON, J.E.
 LICENSED ENGINEER
 88. IRVING ST. T.O. #6 SUP. 1
 SHEET # 1A of 3

Addendum No. 1

Watermain Improvements

SR 90 - Seattle
 Street & Utility Reconstruction
 Contract 6
 S. Irving Street, et al
 by Sewers, Stormdrains, Watermains, etc.



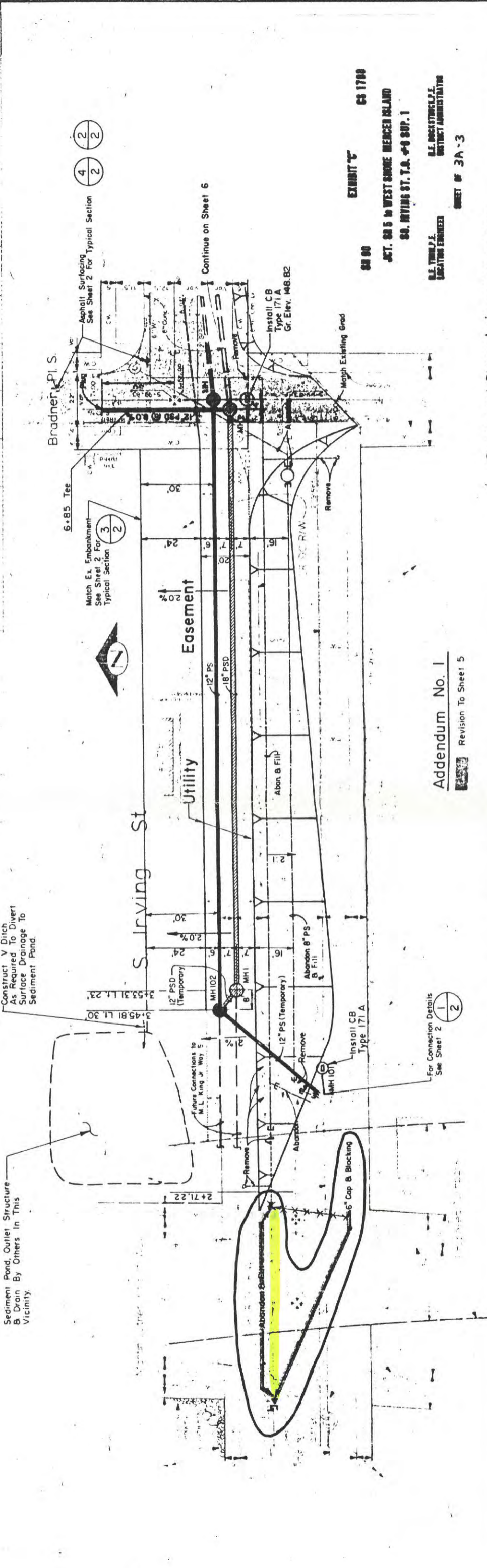
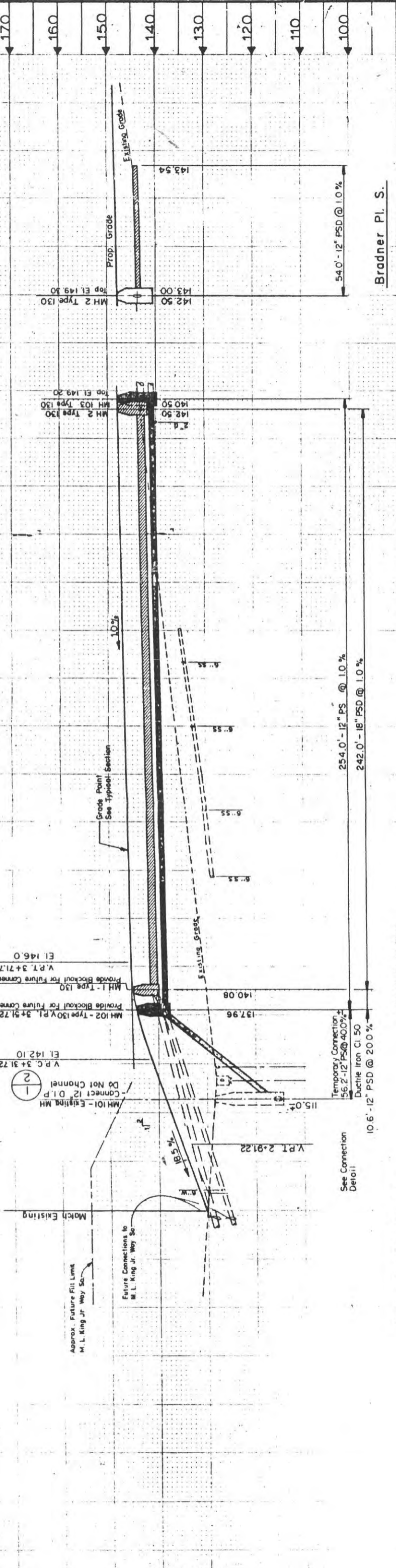
OL RING INC.
 2225 Burgundy Avenue
 Redmond, Washington 98053
 Tel: 800-725-0288

ST ENGINEERING, INC.
 Municipal Engineering
 Consultants
 Paradise Building
 733 7th Avenue, Suite 210
 Seattle, Washington 98103
 206/462-6036

APPROVED FOR ADVERTISING
 BY THE BOARD OF PUBLIC WORKS
 SEATTLE WASHINGTON

NAME OR INITIALS AND DATE		INITIALS AND DATE	
DESIGNED	.....	REVISED	.....
CHECKED	.....	DRAWN	.....
CHECKED	.....	RECEIVED	.....
DESIGN REVIEW	.....	REVISED AS BUILT	.....

THE CITY OF SEATTLE
 DEPARTMENT OF ENGINEERING
 EUGENE V. AVERY, P.E., DIRECTOR OF ENGINEERING



Bradner Pl. S.

Addendum No. 1
Revision To Sheet 5

EXHIBIT C
CS 1708
JCT. SR 5 to WEST SHORE MERGED ISLAND
SR. IRVING ST. T.A. #0 SUP. 1

B.L. THOMPSON
DESIGN ENGINEER
B.L. BOETTCHER
DISTRICT ADMINISTRATOR
SHEET # 3A-3

Sewer and Stormdrain Improvements
SR 90 - Seattle
Street & Utility Reconstruction
Contract 6
by Sewers, Stormdrains, Watermains, etc.

DESIGNED: D.N.	REVIEWED: D.N.	DATE: 10/1/01
CHECKED: D.V.W.	DESIGNED: D.N.	DATE: 10/1/01
DRAWN: L.M.	CHECKED: D.N.	DATE: 10/1/01
DESIGNED: D.N.	CHECKED: D.V.W.	DATE: 10/1/01

APPROVED FOR ADVERTISING BY THE BOARD OF PUBLIC WORKS SEATTLE WASHINGTON

ATTEST: *Barbara J. Zehn* SECRETARY

PROJECT NO. 1251 Louisa Avenue, Bellevue, WA 98004, 206-422-4444

THE CITY OF SEATTLE
DEPARTMENT OF ENGINEERING
EUGENE V. AVERY P.E., DIRECTOR OF ENGINEERING

PC: S1184A
R/W
CO. S.1229 C
VAULT PLAN NO. 870-155
SHEET 5 OF 10

ORD.# 111246



Seattle
Engineering Department

MEMORANDUM

Date: 12 April, 1985

To: City Clerk

From: Joann M. Sullivan, SED *JMS*

Subject: Filing of Task Order #5-I-90

Attached is Task Order #5 to be filed:

<u>Task Order</u>	<u>Agreement</u>	<u>Ordinance</u>
#5	GC-7263	111246

FILED
CITY OF SEATTLE
APR 12 PM 1:12
CLERK AND CITY CLERK

AGREEMENT GC 7263

TASK ORDER NO. 5

This Task Order, made and entered into this 8th day of April, 1985, between the STATE OF WASHINGTON, DEPARTMENT OF TRANSPORTATION, hereinafter referred to as the "STATE" and the CITY of SEATTLE, hereinafter referred to as the "CITY";

WHEREAS, Master Agreement GC 7263, entered into between the STATE and the CITY on August 8, 1983, is incorporated and by this reference made a part of this Task Order as if fully set forth herein.

WHEREAS, current subsidence contours indicate surface streets, located above the stated STATE Mount Baker Tunnel project has and will continue to experience subsidence throughout the tunnel project and the monitoring of the existing utility facilities, within the streets above the Mount Baker tunnel will have to commence, and

WHEREAS, soil consolidation is required in Rainier vicinity and additional fill material will be placed both on the westerly and easterly sides of Rainier Avenue South to compress the soils within the utility easement from 17th Avenue to Rainier Avenue South and the utilities must be monitored to protect their structural integrity, and

WHEREAS, the State will place roadway embankment above the utilidor which could cause pipe settlement, the Cedar River Pipeline No. 1 and its utilidor in the area of 12th Avenue South must be monitored,

NOW THEREFORE, it is mutually agreed as follows:

1. The work proposed under this Task Order contemplates the monitoring of certain facilities 1985 through 1988, as described in the Master Agreement under the following:
 - 4.2.1 Strutting of 84 inch storm drain (see Item 8)
 - 4.2.9 Instrumentation and/or video inspection
 - 6.0 Miscellaneous

2. Work To Be Performed By the STATE:

None

3. Work To Be Performed By the CITY:

Work by Seattle Engineering Department - Participate in on-site inspection, respond to State requests for information on monitoring data, prepare and submit quarterly billings for the utility monitoring, arrange for soil services as needed.

Work by Seattle Water Department - Monitor and/or co-ordinate water main facility monitoring with Seattle Engineering Department, provide monitoring data to the State as needed.

4. Exhibit "A", Specifications and Special Considerations, Exhibit "B", Estimate of Cost and Exhibit "C", vicinity map, are attached hereto and by this reference made a part of this Task Order.

5. Financial Responsibility

The STATE is responsible for 100 percent of the costs covered by this Task Order.

6. Payment

Payment under this Task Order will be made on actual direct and related indirect costs in accordance with Section IV, PAYMENT of the Master Agreement.

7. Miscellaneous

Right of Entry - In accordance with the terms of Master Construction Agreement GC 7263, the CITY and STATE shall enter into a separate easement agreement to perpetuate existing or replacement property rights of the CITY and to define the location and conditions of said easement.

The STATE hereby grants and conveys to the CITY the right of entry upon all land which the STATE has interest and the utility occupies, within the right-of-way of the highway, for the purpose of monitoring the CITY utility facilities.

8. Adjustments to Master Construction Agreement

Portions of some items of work under this task order have changed due to engineering judgments, design refinements, feasibility studies and other State criteria. See Exhibit "A" for specifics.

9. Emergency Repair

In the event there is a need for emergency repair, due to State work, the CITY shall have permission to complete said emergency repair. Subsequent task orders will be written to reimburse the CITY for the appropriate emergency repair and fund the permanent repair. Emergency repairs are defined as worked performed by CITY forces to stabilize; remove immediate hazards or dangers by cutting and capping water main; plugging, pumping and/or rerouting sewers to avoid health hazards; remove dangerous power poles and/or wires and provide immediate utility services to customers in the areas of the subsidence.

10. Monitoring Methods and Frequency

The monitoring shall be accomplished with the use of television cameras, on site inspection, sonic monitoring of waterlines, ground and utility elevation monitoring and other methods as necessary. The monitoring frequency will be a function of STATE activities. In general, the frequency of monitoring will be quarterly.

11. Documentation and Reporting

The CITY shall provide documentation of all monitoring on a quarterly basis.

12. Supplemental Agreement

The STATE will enter into a supplemental agreement to this Task Order with the CITY to cover the years after 1988 to 1992.

IN WITNESS WHEREOF, parties hereto have executed this Task Order as of the day and year first above written.

CITY OF SEATTLE

By: *Kenneth Lawton*
Superintendent of Water

Date: 4/2/85

By: *Ernest V. Avery*
Director of Engineering

Date: 3/26/85

**STATE OF WASHINGTON
DEPARTMENT OF TRANSPORTATION**

By: *Clode Harmon*
Project Development Engineer

Date: April 8, 1985

EXHIBIT "A"

SPECIFICATIONS AND SPECIAL CONSIDERATIONS

The work proposed under this Agreement contemplates monitoring certain facilities during Phase I of STATE highway work as described herein. The monitoring dates are approximate only and actual monitoring/inspection will be subject to the rate of subsidence and/or settlement.

SUBSIDENCE MONITORING

- 1.0 12th Avenue Vicinity
- 1.1 New CRPL #1 (42 inch diameter waterline) and utilidor - monitor from 1985 to 1992.
- 2.0 Rainier Vicinity
- 2.1 Eight inch waterline in Bush Place South from Poplar Place South to Rainier Avenue South - monitor from 1985 to 1988.
- 2.2 Forty-two inch storm drain in Bush Place South from Poplar Place South to Rainier Avenue South - monitor from 1985 to 1988.
- 2.3 Eighteen inch sewer in Bush Place South from Poplar Place South to Rainier Avenue South - monitor from 1985 to 1988.
- 2.4 Existing 84 inch storm drain in alley east of Poplar Place South from Bush Place South to south of South Atlantic Street - monitor from 1985 to 1988.
- 2.5 New 84 inch storm drain in utility easement and Rainier Avenue South from Bush Place to north of Lake Way structure - monitor from 1985 to 1988.
- 2.6 Fifty-four to 66 inch sewer in Rainier Avenue South from Bush Place South to south of South Atlantic Street - monitor from 1985 to 1988.
- 2.7 Twenty-four inch waterline in Rainier Avenue South from Bush Place South to south of South Atlantic Street - monitor from 1985 to 1988.
- 2.8 Existing CRPL #2 (54 inch diameter) waterline - monitor from January 1985 to December 1985.
- 2.9 New CRPL #2 (54 inch diameter) waterline and utilidor - monitor from 1985 to 1988.
- 2.10 New CRPL #3 (66 inch diameter) waterline and utilidor - monitor from 1985 to 1988.

EXHIBIT "A" (continued)

2.0 Rainier Vicinity (continued)

- 2.11 New Circuit #1, 230 KV power facility - monitor from 1985 to 1988.
- 2.12 New Circuit #2, 230 KV power facility - monitor from 1985 to 1988.
- 2.13 Eighteen inch sewer in the utility easement from 17th Avenue South to Rainier Avenue South - monitor from 1985 to 1988.
- 2.14 Twenty-four and thirty inch storm drain in the utility easement from 17th Avenue South to Rainier Avenue south - monitor from 1985 to 1988.
- 2.15 Fifteen and eighteen inch sewer, Atlantic Street South from Sturgus Avenue South to east of 17th Avenue South - monitor from 1985 to 1988.

3.0 Mount Baker Vicinity - Monitor from 1985 to 1988

- 3.1 Eight inch diameter waterline in 30th Avenue South.
- 3.2 Eight inch diameter waterline in 31st Avenue South.
- 3.3 Eight inch diameter waterline in 32nd Avenue South.
- 3.4 Eight inch diameter waterline in 33rd Avenue South.
- 3.5 Sixteen inch diameter waterline in Lake Washington Blvd. South.
- 3.6 Two manholes in Lake Washington Blvd. South.
- 3.7 Eight inch diameter sewer and two manholes in 30th Avenue South.
- 3.8 Eight inch diameter sewer and one manhole in 31st Avenue South
- 3.9 Two 8 inch diameter sewer and two manholes in 32nd Avenue South
- 3.10 Eight inch diameter sewer and two manholes in 33rd Avenue South

SALVAGE

No credit for salvage is anticipated on this project, however, if any salvageable material is removed by the CITY it shall be reclaimed or disposed of by the CITY and shall be credited to the STATE in accordance with Federal-Aid Highway Program Manual 1-4-4. The CITY shall furnish written notice to the STATE specifying the time and place the materials will be available for inspection.

BETTERMENTS

The adjustment of CITY facilities, as required herein does not constitute a betterment as defined in Federal-Aid Highway Program Manual 1-4-4.

EXHIBIT "A" (continued)

EXPIRED SERVICE LIFE

Adjustment of CITY facilities does not involve a credit due for the value of expired service life of the facilities being replaced.

SEATTLE CITY LIGHT FACILITIES

Seattle Engineering Department shall upon request and receipt of work authorization from Seattle City Light perform a survey of the 230 KV power facilities, therefore, in this task order there is no provision to reimburse Seattle City Light. However, if an emergency repair of any Seattle City Light facility is required, due to State work, Seattle City Light shall be included in an emergency repair task order.

ITEM VARIATION FROM MASTER CONSTRUCTION AGREEMENT

Due to design considerations the storm drain will be monitored and not strutted as previously thought necessary.

EXHIBIT "B"
ESTIMATE OF COST

The noted engineering labor classifications, direct salary rates and overhead rates are used as the basis of estimating engineering activities described in this Agreement. All the rates below are subject to change. The engineer's estimate is based upon the second quarter of 1984 quantities and unit prices. It is assumed the rates will increase 6 percent per year for inflation.

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
1.0 SEATTLE ENGINEERING DEPARTMENT - 1985				
1.1 LABOR				
304	Hr.	Senior Civil Engineer	\$ 20.27	\$ 6,162
152	Hr.	Senior Material Engineer	20.27	3,081
304	Hr.	Sewer TV Crew*	22.14	6,731
304	Hr.	Associate Civil Eningeer	18.07	5,493
304	Hr.	Asst. Civil Engineer (III)	16.72	5,083
304	Hr.	Sewer Insp. Crew*	22.14	6,731
304	Hr.	Survey Crew*	<u>50.79</u>	<u>15,440</u>
		Sub Total		\$ 48,721
		Overhead and Fringe Benefits @ 90.4%		<u>44,044</u>
		Sub Total		\$ 92,765
		Materials @ 7.2%		<u>6,679</u>
		Sub Total 1.1		\$ 99,444
1.2 EQUIPMENT				
304	Hr.	T.V. Van	\$ 6.70	\$ 2,037
304	Hr.	T.V. Equipment	4.70	1,429
304	Hr.	T.V. Winch Van	6.70	2,037
304	Hr.	Flatbed	11.39	3,463
304	Hr.	Generator	.64	195
304	Hr.	Ventilator Generator	<u>1.96</u>	<u>596</u>
		Sub Total 1.2		<u>9,757</u>
		1985 YEARLY TOTAL - 1.0		109,201

ESTIMATE OF COST (continued)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>	
<u>2.0 SEATTLE WATER DEPARTMENT - 1985</u>					
96	Hr.	Labor	\$ 26.00	\$ 2,496	
1	L.S.	Material/Equipment	<u>1,000.00</u>	<u>1,000</u>	
		Sub Total		\$ 3,496	
		Project Manager @ 5%		<u>175</u>	
		1985 YEARLY TOTAL - 2.0			3,671
<u>3.0 SEATTLE ENGINEERING DEPARTMENT - 1986</u>					
3.1 LABOR					
304	Hr.	Senior Civil Engineer	21.49	6,533	
152	Hr.	Senior Material Engineer	21.49	3,266	
304	Hr.	Sewer TV Crew*	23.47	7,135	
304	Hr.	Associate Civil Eningeer	19.15	5,822	
304	Hr.	Asst. Civil Engineer (III)	17.72	5,387	
304	Hr.	Sewer Insp. Crew*	23.47	7,135	
304	Hr.	Survey Crew*	<u>53.84</u>	<u>16,367</u>	
		Sub Total		\$ 51,645	
		Overhead and Fringe Benefits @ 90.4%		<u>46,687</u>	
		Sub Total		98,332	
		Materials @ 7.2%		<u>7,080</u>	
		Sub Total 3.1			\$105,412
3.2 EQUIPMENT					
304	Hr.	T.V. Van	7.10	2,158	
304	Hr.	T.V. Equipment	4.98	1,514	
304	Hr.	T.V. Winch Van	7.10	2,158	
304	Hr.	Flatbed	12.07	3,669	
304	Hr.	Generator	.68	207	
304	Hr.	Ventilator Generator	<u>2.08</u>	<u>632</u>	
		Sub Total 3.2			<u>10,338</u>
		1986 YEARLY TOTAL - 3.0			115,750

ESTIMATE OF COST (continued)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>	
<u>4.0 SEATTLE WATER DEPARTMENT - 1986</u>					
96	Hr.	Labor	27.56	2,646	
1	L.S.	Material	<u>1,060.00</u>	<u>1,060</u>	
		Sub Total		\$ 3,706	
		Project Manager @ 5%		<u>185</u>	
		1986 YEARLY TOTAL - 4.0			3,891
<u>5.0 SEATTLE ENGINEERING DEPARTMENT - 1987</u>					
5.1 LABOR					
192	Hr.	Senior Civil Engineer	22.78	4,374	
96	Hr.	Senior Material Engineer	22.78	2,187	
192	Hr.	Sewer TV Crew*	24.88	4,777	
192	Hr.	Associate Civil Enegeer	20.30	3,898	
192	Hr.	Asst. Civil Engineer (III)	18.78	3,606	
192	Hr.	Sewer Insp. Crew*	24.88	4,777	
192	Hr.	Survey Crew*	<u>57.07</u>	<u>10,957</u>	
		Sub Total		\$ 34,576	
		Overhead and Fringe Benefits @ 90.4%		<u>31,257</u>	
		Sub Total		65,833	
		Materials @ 7.2%		<u>4,740</u>	
		Sub Total 5.1			\$ 70,573
5.2 EQUIPMENT					
192	Hr.	T.V. Van	7.53	1,446	
192	Hr.	T.V. Equipment	5.28	1,014	
192	Hr.	T.V. Winch Van	7.53	1,446	
192	Hr.	Flatbed	12.79	2,456	
192	Hr.	Generator	.72	138	
192	Hr.	Ventilator Generator	<u>2.20</u>	<u>422</u>	
		Sub Total 5.2			<u>6,922</u>
		1987 YEARLY TOTAL - 5.0			77,495

ESTIMATE OF COST (continued)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>	
<u>6.0 SEATTLE WATER DEPARTMENT - 1987</u>					
96	Hr.	Labor	29.21	2,804	
1	L.S.	Material	1,123.60	1,124	
		Sub Total		\$ 3,928	
		Project Manager @ 5%		196	
		1987 YEARLY TOTAL - 6.0			4,124
<u>7.0 SEATTLE ENGINEERING DEPARTMENT - 1988</u>					
7.1 LABOR					
512	Hr.	Senior Civil Engineer	24.15	12,365	
256	Hr.	Senior Material Engineer	24.25	6,208	
512	Hr.	Sewer TV Crew*	26.37	13,501	
512	Hr.	Associate Civil Enineer	21.52	11,018	
512	Hr.	Asst. Civil Engineer (III)	19.91	10,194	
512	Hr.	Sewer Insp. Crew*	26.37	13,501	
512	Hr.	Survey Crew*	60.49	30,971	
		Sub Total		\$ 97,758	
		Overhead and Fringe Benefits @ 90.4%		88,372	
		Sub Total		186,130	
		Materials @ 7.2%		13,401	
		Sub Total 7.1			\$199,531
7.2 EQUIPMENT					
512	Hr.	T.V. Van	7.98	4,086	
512	Hr.	T.V. Equipment	5.60	2,867	
512	Hr.	T.V. Winch Van	7.98	4,086	
512	Hr.	Flatbed	13.56	6,943	
512	Hr.	Generator	.76	389	
512	Hr.	Ventilator Generator	2.33	1,193	
		Sub Total 7.2			19,564
		1988 YEARLY TOTAL - 7.0			219,095

ESTIMATE OF COST (continued)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
8.0 <u>SEATTLE WATER DEPARTMENT - 1988</u>				
96	Hr.	Labor	\$ 30.96	\$ 2,972
1	L.S.	Material	1,191.02	<u>1,191</u>
		Sub Total		\$ 4,163
		Project Manager @ 5%		<u>208</u>
		1988 YEARLY TOTAL - 8.0		<u>4,371</u>
		TOTAL COST - 100% STATE		<u><u>\$537,598</u></u>

SUMMARY

<u>YEAR</u>	<u>SEATTLE ENGINEERING</u>	<u>SEATTLE WATER</u>	<u>TOTAL</u>
1985	\$ 109,201	\$ 3,671	\$ 112,872
1986	115,750	3,891	119,641
1987	77,495	4,124	81,619
1988	<u>219,095</u>	<u>4,371</u>	<u>223,466</u>
TOTAL	<u>521,541</u>	<u>\$ 16,057</u>	<u>\$ 537,598</u>

* See Attachment A to Exhibit B.

ATTACHMENT "A" TO EXHIBIT "B"

The rates shown below are 1984 rates inflated 6 percent to 1985 rates. It is assumed these rates will increase 6 percent per year for inflation.

Survey crew is made up of the following:

a) Survey party chief	\$14.63
b) Assistant party chief	12.98
c) Two survey assistants	<u>11.59</u>
TOTAL	\$50.79 per hour

Survey TV Crew and Sewer Inspection Crew is made up of the following:

a) Sewer maintenance worker	\$11.82
b) Maintenance laborer	<u>10.32</u>
TOTAL	\$22.14 per hour

Seattle
Engineering Department



MEMORANDUM

Date: April 9, 1985
To: City Clerks
From: Joann M. Sullivan *JMS*
Subject: Filing of Task Order for I-90

Attached is Task Order \$6 for I-90 to be filed:

TASK ORDER

#6

AGREEMENT

GC-7263

ORDINANCE

111246

JS:pna

FILED
CITY OF SEATTLE
APR 9 1985
CITY CLERK

AGREEMENT GC 7263

TASK ORDER NO. 6

This Task Order, made and entered into this 18th day of March, 1985, between the STATE OF WASHINGTON, DEPARTMENT OF TRANSPORTATION, hereinafter referred to as the "STATE" and the CITY of SEATTLE, hereinafter referred to as the "CITY";

WHEREAS, Master Agreement GC 7263, entered into between the STATE and the CITY on August 8, 1983, is incorporated and by this reference made a part of this Task Order as if fully set forth herein.

NOW THEREFORE, it is mutually agreed as follows:

1. The work proposed under this Task Order contemplates the removal, adjustment and/or relocation of certain facilities as described in the Master Agreement under the following items:
 - 2.1.1 8 inch waterline in South Norman Street from 26th Avenue South to Martin Luther King Jr. Way South.
 - 2.2.8 18 inch permanent trunk sewerline from 29th Avenue South to Martin Luther King Jr. Way South on South Irving Street.
 - 6.0 Miscellaneous - Storm drain between Martin Luther King Jr. Way South to Yakima Avenue South on South Irving Street, 8 inch waterline on Martin Luther King Jr. Way South from South Norman to South Elmwood (see Item 9).

2. Work To Be Performed By the STATE:
None

3. Work To Be Performed By the CITY:
Work by Seattle Engineering Department - Administer the contract, conduct the preconstruction meeting, provide "on site" inspection, respond to State requests, prepare and submit monthly billings, prepare change orders and review and coordinate all change orders and shop drawings.
Work by Seattle Water Department - Coordinate and perform all needed water shut-downs, make all needed new water main connections to existing line, kill water services, provide temporary water mains, transfer water services, cut and cap water mains and hydrant removal and abandon.

FILED
CITY OF SEATTLE
1985 APR -9 PM 3:07
COMPTROLLER AND CITY CLERK

Work by the CITY Consultant

Attend the preconstruction meeting, assist and advise the CITY construction engineer on inspection and control of construction activities, provide on-site consultation on as-needed basis to be determined by the CITY construction engineer, advise CITY on substitution of materials and products, arrange for soil services as needed, review and approve change orders as requested by the CITY and participate in final inspection.

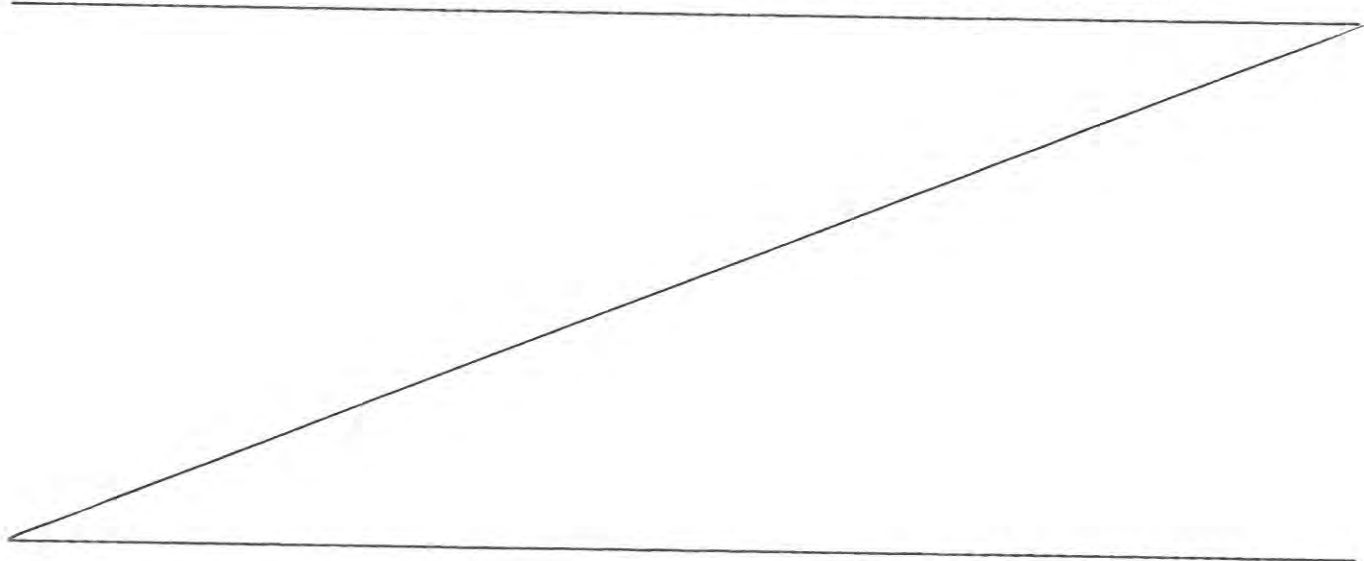
4. Exhibit "A", Specifications and Special Considerations, Exhibit "B", Estimate of Cost and Exhibit "C", vicinity map, are attached hereto and by this reference made a part of this Task Order.
5. The CITY is currently preparing contract plans and special provisions for the itemized work covered by this Task Order. Said plans and special provisions, upon completion, and after approval by the STATE, shall become a part of this Task Order for all intents and purposes as if fully set forth herein.

6. Financial Responsibility and Other Funding Sources

The STATE is responsible for 100 percent of the costs covered by this Task Order.

7. Payment

Payment under this Task Order will be made on actual direct and related indirect costs in accordance with Section IV, PAYMENT of the Master Agreement.



8. Miscellaneous

In accordance with the terms of Master Construction Agreement GC 7263, the CITY and STATE shall enter into a separate easement agreement to perpetuate existing or replacement property rights of the CITY, and to define the location and conditions of said easement.

9. Adjustments to Master Construction Agreement

Portions of some items of work under this task order have changed due to engineering judgments, design refinements, feasibility studies and other State criteria. See Exhibit "A" for specifics.

IN WITNESS WHEREOF, parties hereto have executed this Task Order as of the day and year first above written.

CITY OF SEATTLE

By: *Leann M. Lovell*
Superintendent of Water

Date: _____

By: *Ernest V. Avery*
Director of Engineering

Date: 3/18/85

STATE OF WASHINGTON
DEPARTMENT OF TRANSPORTATION

By: *Chris S. ...*
Project Development Engineer

Date: MAR 18 1985

GC 7263

TASK ORDER NO. 6

EXHIBIT "A"

SPECIFICATIONS AND SPECIAL CONSIDERATIONS

The work proposed under this Agreement contemplates the removal, adjustment and/or relocation of water, sewer, street, drainage, walkways and traffic facilities as described herein and shown on Exhibit "C".

WORK TO BE PERFORMED BY THE STATE

NONE

WORK TO BE PERFORMED BY THE CITY

Remove old street pavement and place new earth embankment which varies in height from 0 to 15 feet. Place embankment north of South Irving Street to the north of STATE right-of-way, replace existing driveways with new driveways to STATE contractor shacks, replace existing water service to STATE contractor shacks and make any water main cut and caps. Place sanitary sewer, storm drains and catch basins as noted on the plans, plug any sanitary sewers as necessary, modify any side sewers as needed and remove utility facilities as noted.

1. Sheet 2 of 6
 - a) Construct 569 feet of Class 52, 8 inch diameter ductile iron water main.
2. Sheet 3 of 6
 - a) Construct 110 feet of Class 52, 8 inch diameter ductile iron water main.
3. Sheet 4 of 6
 - a) Remove 125 feet of water main.
 - b) Construct 150 feet of 12 inch diameter sanitary sewer concrete pipe.
 - c) Construct 158 feet of 18 inch diameter storm drain concrete pipe.
 - d) Construct 369 feet of 12 inch diameter storm drain concrete pipe.
 - e) Construct two Type 130 manholes.
4. Sheet 5 of 6
 - a) Remove 345 feet of water main.
 - b) Construct 310 feet of 12 inch diameter sanitary sewer concrete pipe.
 - c) Construct 242 feet of 18 inch diameter storm drain concrete pipe.
 - d) Construct 59 feet of 12 inch diameter storm drain concrete pipe.
 - e) Construct four Type 130 manholes.

EXHIBIT "A" (continued)

SALVAGE

All material removed by the CITY, or its contractor, shall be reclaimed or disposed of by the CITY, or its contractor, and shall be credited to the STATE in accordance with Federal-Aid Highway Program Manual PPM 30-4. The CITY, and its contractor shall furnish written notice to the STATE for the time and place the materials will be available for inspection.

The removal cost of the hydrants exceeds the scrap value. However, the hydrant removal is for the safety and welfare of the public.

Those materials removed by the CITY contractor will become the property of the CITY contractor. The salvage value shall be reflected in the contractor's bid price.

DISCONNECT AND REMOVAL

The CITY facilities abandoned within the limits of the STATE right-of-way, if necessary, shall be removed by the STATE contractor at STATE expense. The STATE shall assume full responsibility for and disposition of the abandoned CITY facilities upon disconnection and abandonment of said CITY facilities. It is agreed that abandoned facilities that may be removed by the STATE contractor shall have no salvage value to the CITY.

Some abandoned CITY utility facilities will be removed from the old street right-of-way by the CITY contractor. In some instances the abandoned utility facilities, if not removed, become obstructions to the new CITY utility facilities to be constructed under this task order. Some facilities will be abandoned in place.

BETTERMENTS

The adjustment of CITY facilities, as required herein does not constitute a betterment as defined in Federal-Aid Highway Program Manual PPM 30-4.

EXPIRED SERVICE LIFE

Adjustment of CITY facilities does not involve a credit due for the value of expired service life of the facilities being replace.

GC7263

TASK ORDER NO. 6

EXHIBIT "A" (continued)

ITEM VARIATION FROM MASTER CONSTRUCTION AGREEMENT

Due to design considerations the storm drain and sanitary sewer, listed under 6.0 Miscellaneous, are to be separated to comply with the CITY's grading and drainage ordinance, No. 108080, and Municipality of Metropolitan Seattle (METRO) regulations which require all new sewers and extension of existing sewers be designed as separate sanitary sewers and storm drains for environmental reasons.

Also, the 8 inch waterline on Martin Luther King Way Jr. South is to be constructed due to the flows for the north half of the corridor being cutoff due to STATE contract work, Martin Luther King Jr. Way South to West Portal westbound and 23rd Avenue South to Martin Luther King Jr. Way South westbound..

GC7263

TASK ORDER NO. 6

EXHIBIT "B"
COST ESTIMATE

1.0 MATERIALS

QUANTITY	UNIT	BID ITEM	UNIT PRICE	TOTAL
1	LS	MOBILIZATION	37,000.00	\$37,000
1	LS	CLEAR & GRUB	2,300.00	\$2,300
8215	TON	COMMON BORROW	12.00	\$98,580
5072	CY	EMBANKMENT COMPACTION	1.75	\$8,876
100	TON	MINERAL AGGREGATE, TYPE 1 OR 2	18.00	\$1,800
600	CY	MINERAL AGGREGATE, TYPE 17	18.00	\$10,800
275	TON	ASPHALT CONCRETE, CL. B	80.00	\$22,000
30	LF	CURB, CEM. CONC. TYPE 108C	23.00	\$690
4	SY	DRIVEWAY, CEM. CONC., 6 INCH	35.00	\$140
11	SY	SIDEWALK, CEM. CONC.	29.00	\$319
1	EA	RESET MONUMENT FRAME AND COVER	175.00	\$175
470	LF	REMOVE 6" WATERMAIN	12.00	\$5,640
2	EA	REMOVE FIRE HYDRANT	115.00	\$230
1930	SY	REMOVE PAVEMENT	9.00	\$17,370
20	LF	REMOVE CURB AND GUTTER	7.00	\$140
274	SY	REMOVE SIDEWALK	7.00	\$1,918
4	EA	REMOVE CATCH BASIN	230.00	\$920
1	EA	REMOVE MANHOLE	290.00	\$290
6	EA	REMOVE INLET	175.00	\$1,050
300	LF	ABANDON PIPE	6.00	\$1,800
1	EA	ABANDON MANHOLE	575.00	\$575
120	CY	PAVEMENT PATCH, CEM. CONC.	175.00	\$21,000
30	TON	PAVEMENT PATCH, ASPH. CONC. CL B	81.00	\$2,430
35	TON	PAVEMENT PATCH, TEMP., MC250	58.00	\$2,030
19500	SF	SODDING	1.15	\$22,425
90	LF	BEDDING, CL. B, 8" PIPE	4.00	\$360
887	LF	BEDDING, CL. B, 12" PIPE	6.00	\$5,322
400	LF	BEDDING, CL. B, 18" PIPE	8.00	\$3,200
500	CY	FOUNDATION MATERIAL	23.00	\$11,500
428	LF	PIPE, PSD, 12" CONC. CL. III	46.00	\$19,688
400	LF	PIPE, PSD, 18" CONC. CL. III	52.00	\$20,800
459	LF	PIPE, PS, 12" CONC. CL. III	46.00	\$21,114
6	EA	TEE, CON., 8"	92.00	\$552
6	EA	MANHOLE TYPE 130	1,840.00	\$11,040
12	VF	DROP CONNECTION, 12"	175.00	\$2,100
1	EA	RECHANNEL MANHOLE	920.00	\$920
1	EA	REBUILD MANHOLE	1,725.00	\$1,725
1	EA	CATCH BASIN, TYPE 171A	1,725.00	\$1,725
1	EA	INLET, TYPE 165	920.00	\$920
90	LF	PIPE, CB CONN., 8"	29.00	\$2,610
679	LF	PIPE, 8" WATERMAIN CL. 52	29.00	\$19,691

20 CY	BLOCKING, CEMENT CONCRETE	175.00	\$3,500
5 EA	VALVE, 8"	690.00	\$3,450
4 EA	VALVE BOX, CAST IRON	104.00	\$416
1 EA	HYDRANT, 6" CONN.	1,725.00	\$1,725
50 LB	HYDRANT EXT., VERTICAL	7.00	\$350
10 LF	PIPE HYDRANT CONN. 6"	35.00	\$350
500 HR	TRAINING	3.00	\$1,500
SUB-TOTAL			\$395,056
SALES TAX @ 7.8%			\$30,814
SUB-TOTAL			\$425,870
ENGINEERING @ 30%			\$127,761
TOTAL MATERIAL COST			\$553,631

-- * * * * --

2.0 SEATTLE WATER DEPARTMENT

QUANTITY	UNIT	BID ITEM	UNIT PRICE	TOTAL
3 EA		WATER MAIN CONNECTIONS	600.00	\$1,800
8 HR		DISINFECTION	30.00	\$240
3 EA		SERVICE KILLS	360.00	\$1,080
2 EA		SERVICE TRANSFERS	420.00	\$840
LABOR SUBTOTAL				\$3,960
EQUIPMENT 75% OF LABOR				\$2,970
32 HR		PROJECT ADMINISTRATOR	40.00	\$1,280
20 HR		PROJECT ENGINEER	32.00	\$640
1 LS		TEMPORARY WATERMAIN	2,000.00	\$2,000
SUBTOTAL				\$10,850

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3.0 CONSULTANT COSTS

QUANTITY	UNIT	BID ITEM	UNIT PRICE	TOTAL
POOL				
70 HR		PRINCIPAL ENGINEER	78.25	\$5,478
80 HR		DESIGN ENGINEER	56.00	\$4,480
200 HR		SENIOR DESIGN ENGINEER	51.50	\$10,300
48 HR		ASSISTANT ENGINEER	40.20	\$1,930

25 HR	DRAFTER	28.00	\$700
10 HR	WORD PROCESSOR	27.85	\$279
	SUBTOTAL		<hr/> \$23,167
ST			
30 HR	PRINCIPAL ENGINEER	65.00	\$1,950
100 HR	DESIGN ENGINEER	43.00	\$4,300
16 HR	ASSISTANT ENGINEER	37.00	\$592
20 HR	DRAFTER	28.00	\$560
8 HR	WORD PROCESSOR	25.00	\$200
	SUBTOTAL		<hr/> \$7,602
CTS			
30 HR	PRINCIPAL ENGINEER	53.50	\$1,605
60 HR	DESIGN ENGINEER	27.50	\$1,650
10 HR	DRAFTER	27.50	\$275
8 HR	WORD PROCESSOR	22.00	\$176
	SUBTOTAL		<hr/> \$3,706
HART-CROWSER			
70 HR	FIELD ENGR./GEOLOGIST	40.00	\$2,800
30 HR	PROJECT ENGINEER	55.00	\$1,650
6 HR	PRINCIPAL ENGINEER	80.00	\$480
5 HR	CLERICAL/SUPPORT	30.00	\$150
	SUBTOTAL		<hr/> \$5,080
NON LABOR			
1 LS	EQUIPMENT RENTAL	500.00	\$500
1 LS	AUTO RENTAL/MILEAGE	300.00	\$300
1 LS	REPRODUCTION/PHOTOGRAPH	200.00	\$200
1 LS	MISCELLANEOUS	100.00	\$100
	SUBTOTAL		<hr/> \$1,100
	TOTAL CONSULTANTS COST		<hr/> \$40,655 =====
	100 PERCENT STATE COST		\$605,136

SUMMARY

1.0 MATERIALS COST	\$553,631
2.0 SEATTLE WATER DEPARTMENT	\$10,850
3.0 CONSULTANT COSTS	\$40,655

TOTAL COST	\$605,136
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NOTES:

Unless Otherwise Specified

GENERAL:

1. Datum: City of Seattle.
2. Expose existing utilities as required by the Engineer to verify elevations and size prior to laying new utility.
3. Where a new utility clears an existing or new utility by 6" or less, styrofoam blocking shall be placed as a cushion between the utilities.
4. Reference to detail sheet (A) Detail reference letter. (9) Sheet on which detail appears. Sheet on which detail was taken. (5) Sheet on which detail was taken.

EXHIBIT "C"
SR 90 **65 1788**
80 IRVING ST. - STREET & UTILITY RECON.
CITY OF SEATTLE

AGREEMENT BC 7263.T.O.#6
ALICE BOCKSTUCK P.E.
LOCATION ENGINEER
DISTRICT ADMINISTRATOR
SHEET / OF 6

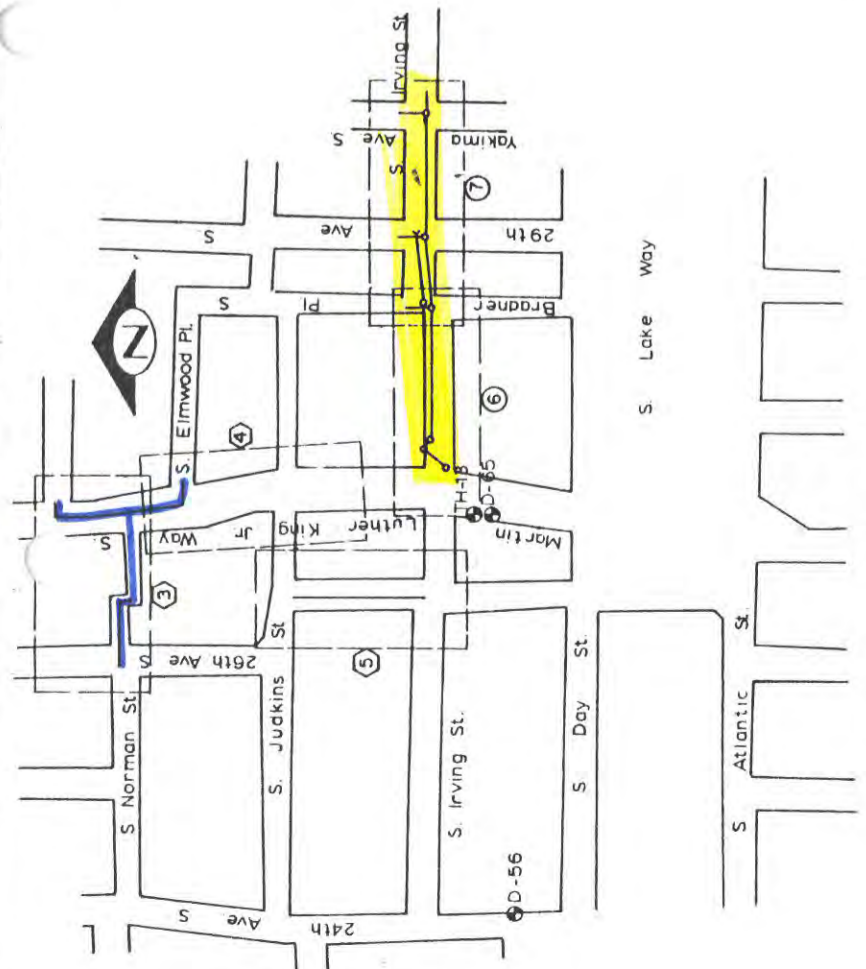
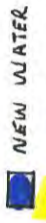
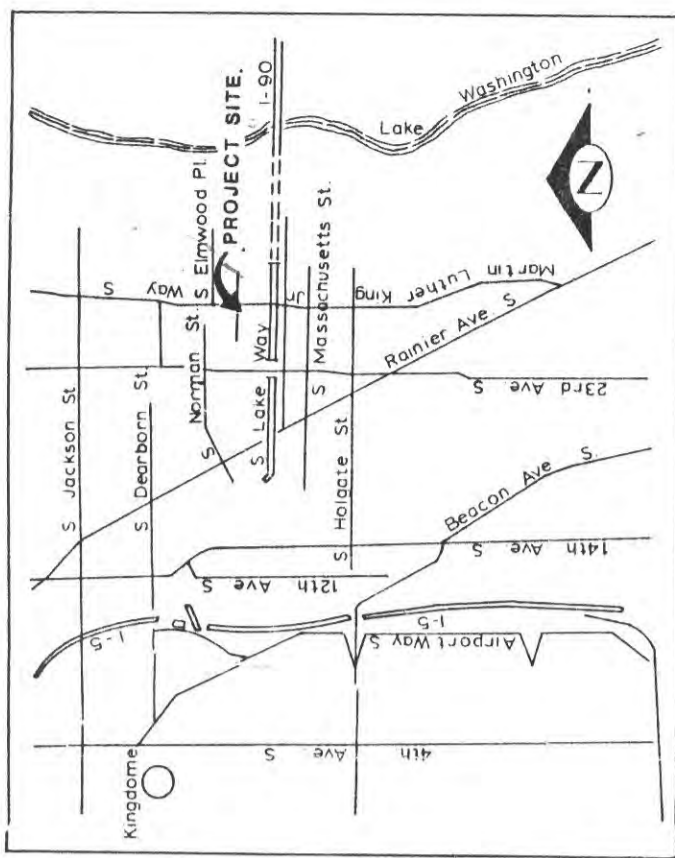
DRAINAGE AND SEWERAGE:

1. Pipe less than 12" diameter shall be concrete and conform to ASTM C14 Class 3.
2. Pipe 12" and 15" diameter shall be concrete and conform to ASTM C76 Class IV.
3. Pipe 18" diameter and larger shall be concrete and conform to ASTM C76 Class III.
4. Ductile iron pipe and fittings shall conform to AWWA C151 Class 50.
5. CMP shall be aluminum and conform to AASHTO M196 type I. Perforated pipe for sub surface drains shall conform to type III Class 1.
6. Catch basin connections, inlet connections and service drains shall be 8" diameter pipe.
7. Side sewers shall be 6" diameter pipe.
8. New tees on existing pipe shall be connected by core drilling and a flexible connection. See special specifications.
9. Catch basin type 171A/171B and inlet type 165/166 shall use a type 168/169 inlet frame with a vane grate per detail sheet
10. Service drains and side sewers shall be connected as directed by the Engineer.
11. Existing service drains and side sewers shall be reconnected to clear over or under an existing or new utility as directed by the Engineer.
12. Reconnection of existing catch basins shall include new traps.
13. Service drains and side sewers shall not be backfilled until the location and depth is determined and recorded by the Engineer.

Watermains:

1. Pipe (W) shall be DIP Cl. 52.
2. Hydrants shall be per details (Symbol) Connections shall be 6" DIP Cl. 52.
3. Elevations are to bottom of watermain.
4. (Symbol) indicates elevation of top of hydrant tee.
5. Horizontal angle points and vertical grade points shall be made by deflecting at pipe joints.
6. Concrete blocking shall be per standard plan 192 or APWA Standard Plan 73.
7. Ex. watermains shall be exposed at connection locations prior to beginning work to determine line and grade changes and O.D of ex. pipe.

VICINITY MAP
 No Scale



SHEET INDEX MAP
 Scale 200 100 0 200 400

- Water Line
- PS And MH
- Sheet With PS Sheet Number
- Sheet With Water Line Sheet Number

SHEET INDEX

Description	Sheet
Vicinity Map, Sheet Index And Map, And Construction Notes.	1
Log Of Test Borings Section And Manhole Details	2
Water Line Improvements	3-4-5
Sewer And Stormdrain Improvements	6-7
Sidewalk And Pavement Removal	8-9
Details - Water	10
Details - Sewer	11



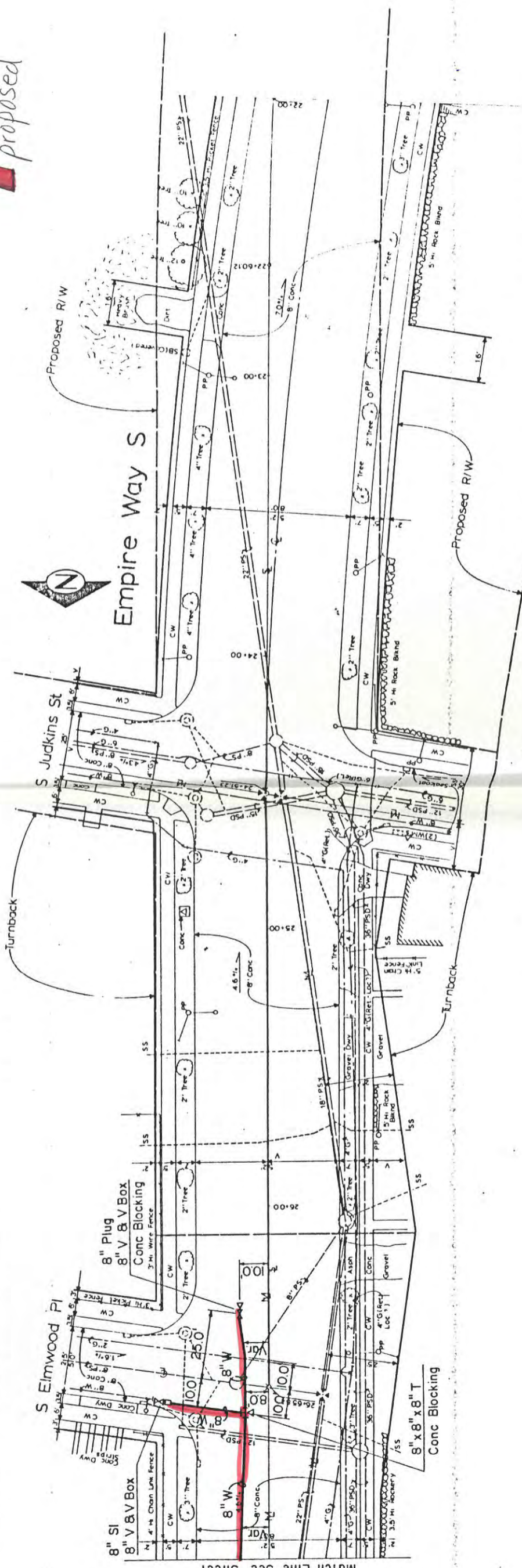
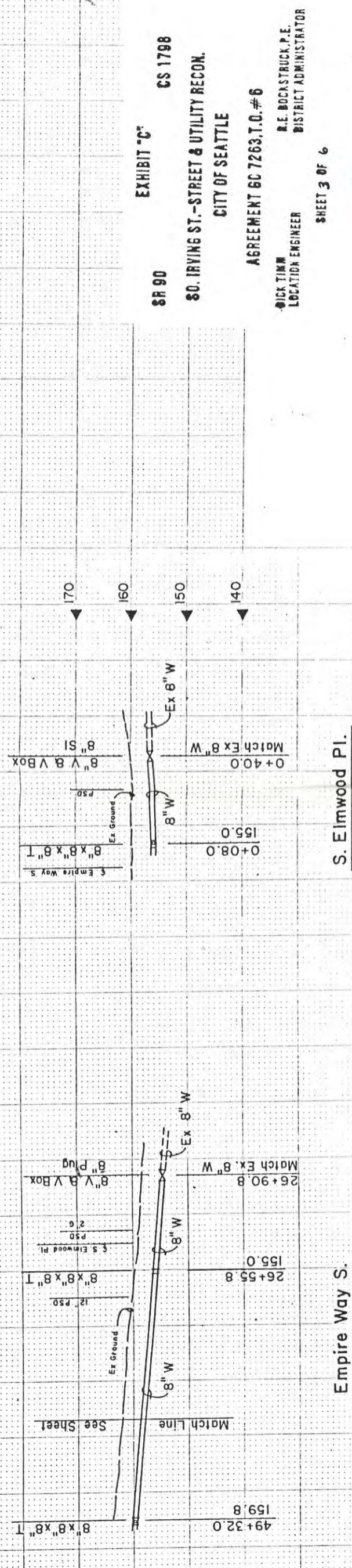
2950 Northway Way
 Seattle, WA 98104
 206 / 422-6464

APPROVED FOR ADVERTISING BY THE BOARD OF PUBLIC WORKS SEATTLE WASHINGTON

NAME OR INITIALS AND DATE	DESIGNED	CHECKED	REVIEWED	INITIALS AND DATE

THE CITY OF SEATTLE
 DEPARTMENT OF ENGINEERING
 EUGENE V. AVERY P.E., DIRECTOR OF ENGINEERING

Vicinity Map, Notes, And Sheet Index
SR 90 - Seattle
Street & Utility Reconstruction
 Contract 6
 S. Irving Street, et al
 by Sewers, Stormdrains, Watermains, etc.



SR 90
EXHIBIT "C"
CS 1798
80. IRVING ST. - STREET & UTILITY RECON.
CITY OF SEATTLE
AGREEMENT 6C 7263, I.O. #6
WICK TIMM
 LOCATION ENGINEER
R.E. BOCKSTRUCK, P.E.
 DISTRICT ADMINISTRATOR
SHEET 3 OF 6

proposed

ST ENGINEERING, INC. Municipal Engineering Consultant Pacific Building 233 W. Avenue, Suite 210 Mercer Island, WA 98040 206/822-6036		THE CITY OF SEATTLE DEPARTMENT OF ENGINEERING EUGENE V. AVERY, P.E., DIRECTOR OF ENGINEERING APPROVED AS BUILT REVISION NO. 1 SCALE: H. 1"=20' V. 1"=10' INSPECTOR'S BOOK NO.		10-9-84 PC-S1184A R/W CO. S1228C VALVE PLAN NO. SHEET 4 OF 11
APPROVED FOR ADVERTISING BY THE BOARD OF PUBLIC WORKS SEATTLE WASHINGTON		NAME OR INITIALS AND DATE DESIGNED: _____ CHECKED: _____ DRAWN: _____ RECEIVED: _____ DESIGN REVIEW: _____ REVISIONS: _____ FILED ON THE DATE SHOWN ABOVE, AND MAINTAINED IN SPECIAL PROVISIONS		
ATTEST: EXECUTIVE SECRETARY CHAIRMAN PROJECT NO.		INITIALS AND DATE DESIGNED: _____ CHECKED: _____ DRAWN: _____ RECEIVED: _____ DESIGN REVIEW: _____ REVISIONS: _____ FILED ON THE DATE SHOWN ABOVE, AND MAINTAINED IN SPECIAL PROVISIONS		
Watermain Improvements SR 90 - Seattle Street & Utility Reconstruction Contract 6 by Sewers, Stormdrains, Watermains, etc.		Watermain Improvements SR 90 - Seattle Street & Utility Reconstruction Contract 6 by Sewers, Stormdrains, Watermains, etc.		

10-9-84
 PC-S1184A
 R/W
 CO. S1228C
 VALVE PLAN NO.
 SHEET 4 OF 11

LAKE WASHINGTON

LAKE SIDE AVE S

16" WATER FLEX JTS.

SR90 EXHIBIT "C"

CS 1798

AGREEMENT NO. 66-7263, I.O. #5

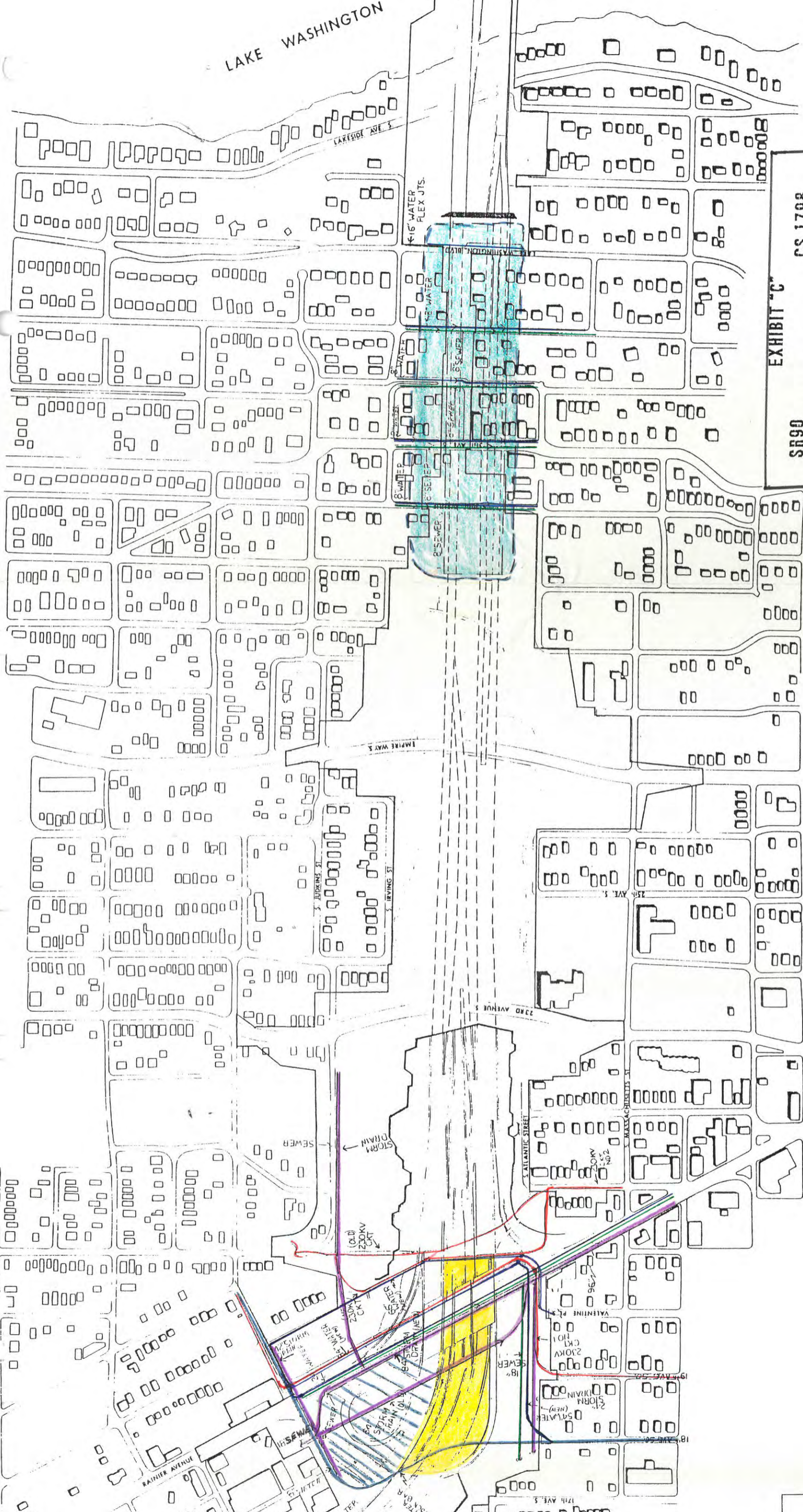
SEATTLE UTILITIES RAINIER AVE. CONST.

CITY OF SEATTLE








DICK TIMM LOCATION ENGINEER

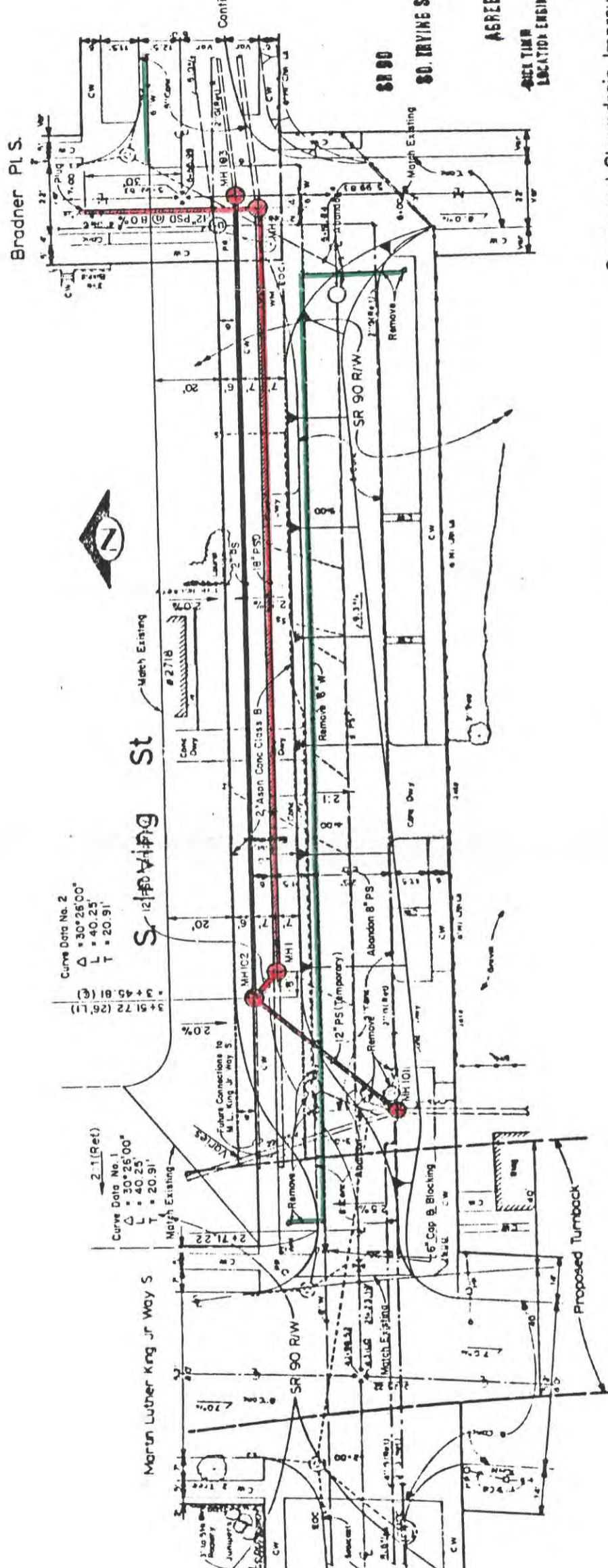
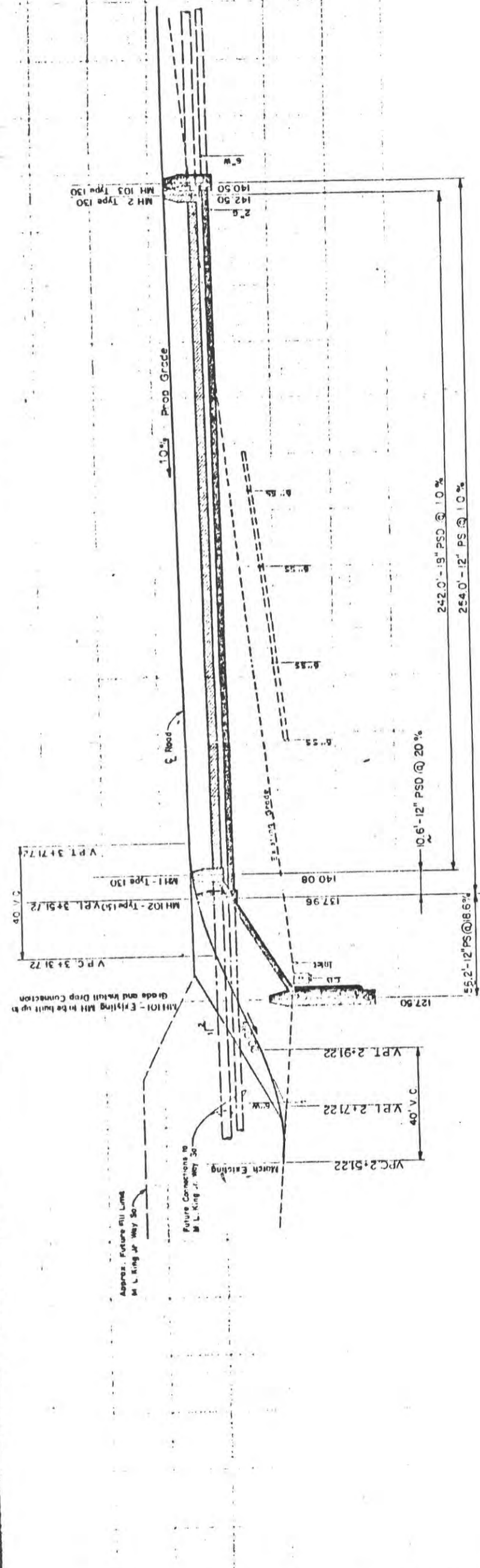
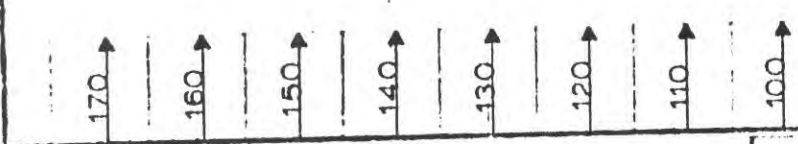
R.E. BOCKSTRUCK, P.E. DISTRICT ADMINISTRATOR

SHEET OF





	SEWER
	POWER
	STORM DRAIN
	WATER
	APPROXIMATE - EAST-LIMITS PRE-LOAD
	APPROXIMATE AREA MOUNT BAKER TUNNEL SUBSIDENCE
	APPROXIMATE - WEST-LIMITS PRE-LOAD



BR 90
 SR 90 R/W
 Irving St
 Bradner Pls.
 Martin Luther King Jr Way S

Curve Data No. 1
 $\Delta = 30^\circ 25' 00''$
 $L = 40.25'$
 $T = 20.91'$

Curve Data No. 2
 $\Delta = 30^\circ 25' 00''$
 $L = 40.25'$
 $T = 20.91'$



EXHIBIT 'C'
 CS 1796
 80. IRVING ST.-STREET & UTILITY RECON.
 CITY OF SEATTLE
 AGREEMENT GC 7263, I.O. #6
 RICK TIMP
 LOCATION ENGINEER
 BLE BOCKSTUCK, P.E.
 DISTRICT ADMINISTRATOR
 SHEET 5 OF 6

Sewer and Stormdrain Improvements
 SR 90 - Seattle
 Street & Utility Reconstruction
 Contract # 6
 by Sewers, Stormdrains, Watermains, etc.

THE CITY OF SEATTLE
 DEPARTMENT OF ENGINEERING
 EUGENE Y. AVERY, P.E., DIRECTOR OF ENGINEERING

APPROVED FOR ADVERTISING
 BY THE BOARD OF PUBLIC WORKS
 SEATTLE ADMINISTRATION

1221 Tongue Avenue
 Bellevue, WA 98004
 206-835-8004

POOL
 ENGINEERING INC.

NAME	INITIALS AND DATE
DESIGNED	BY: J. S. [unclear]
CHECKED	BY: [unclear]
APPROVED	BY: [unclear]

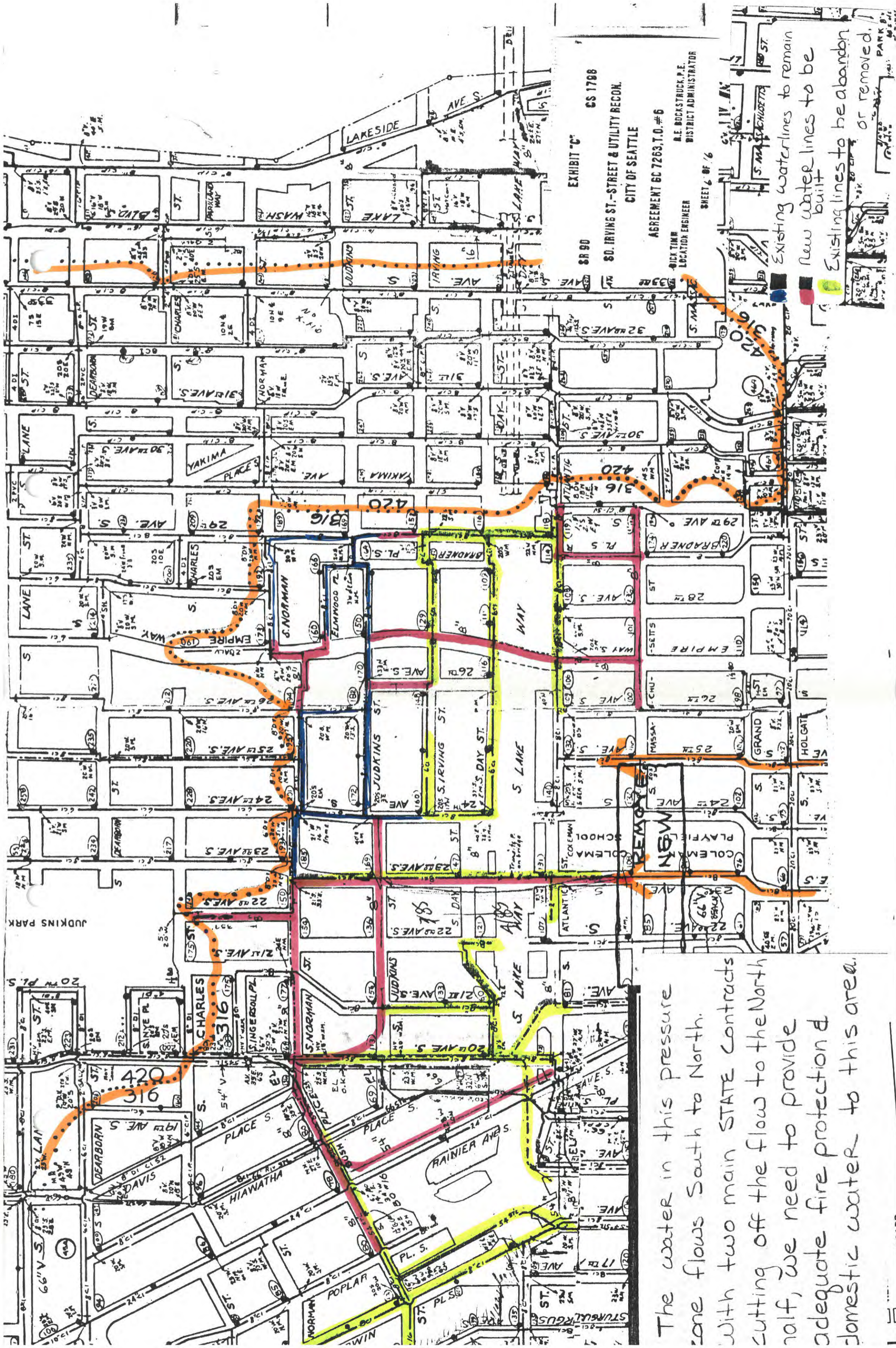


EXHIBIT "C"
 CS 1798
 80. IRVING ST. - STREET & UTILITY RECON.
 CITY OF SEATTLE
 AGREEMENT GC 7263.T.O. #6
 A.E. BOCKSTRUCK, P.E.
 LOCATION ENGINEER
 DISTRICT ADMINISTRATOR
 SHEET 6 OF 6

Existing water lines to remain
 New water lines to be built
 Existing lines to be abandoned or removed.

The water in this pressure zone flows South to North. With two main STATE Contracts cutting off the flow to the North half, we need to provide adequate fire protection & domestic water to this area.

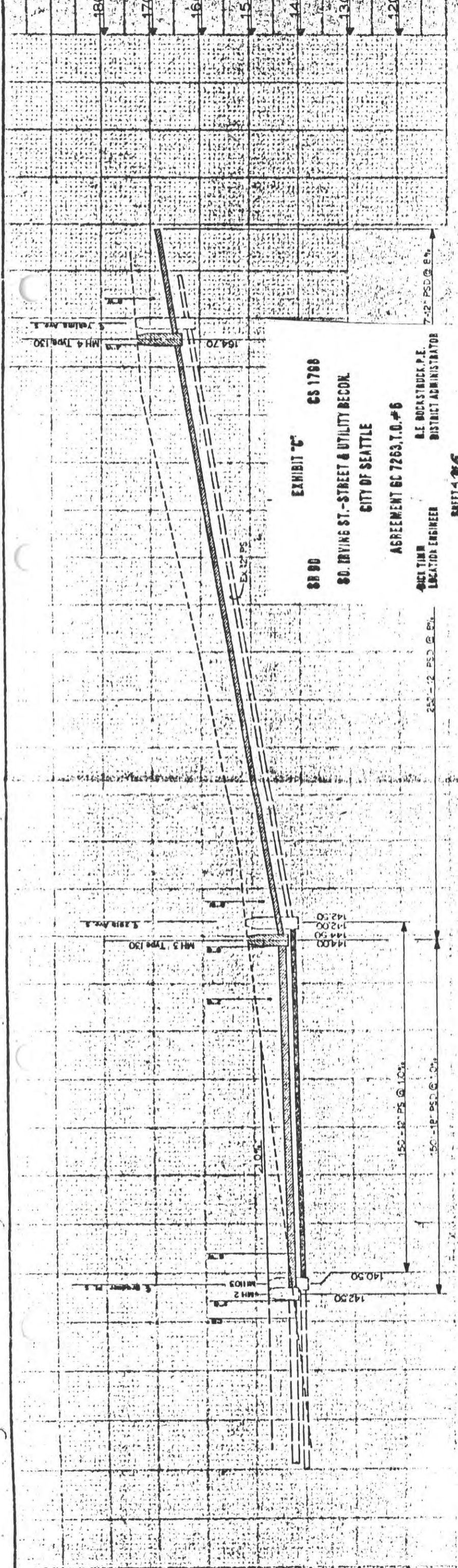
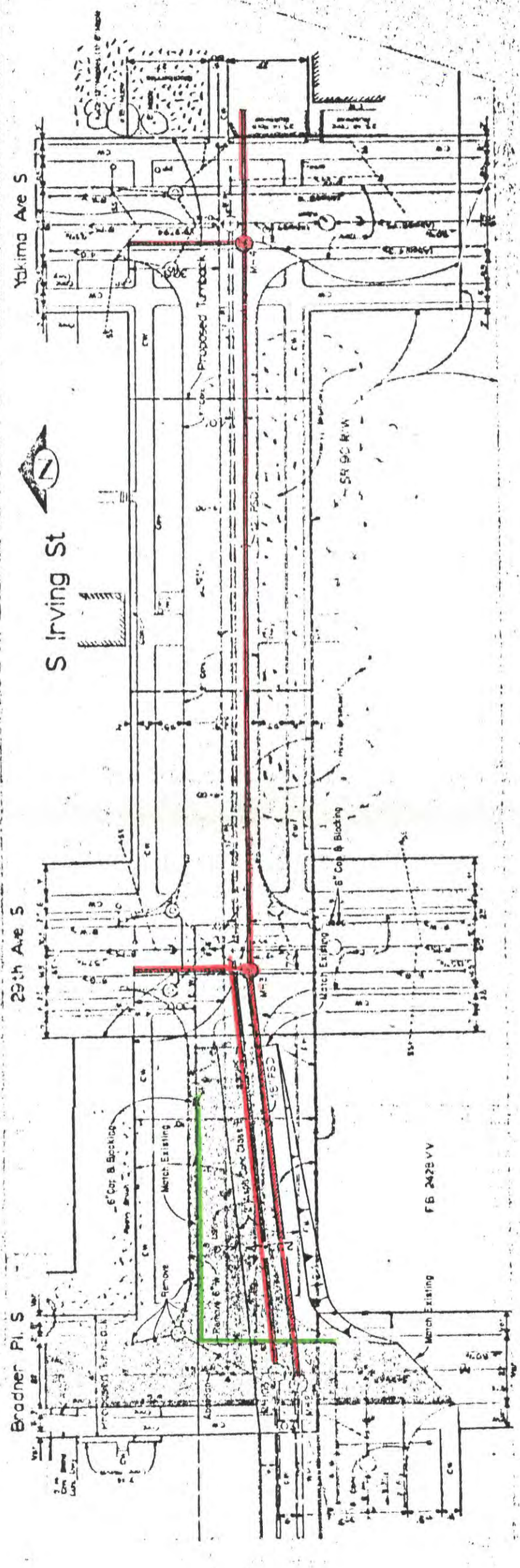


EXHIBIT 'C'
SR 90
CS 1798
80. IRVING ST. - STREET & UTILITY RECON.
CITY OF SEATTLE
AGREEMENT GC 7263, T.O. # 6
ALICE THOMAS
LOCATION ENGINEER
D.E. BOCKSTADT, P.E.
DISTRICT ADMINISTRATOR
7-2\"/>



S Irving St
Yakima Ave S
29th Ave S
Bradner Pl S

10-26-84

NO.	DATE	BY
1	10-26-84	...
2		
3		
4		

Sewer and Storm Drain Improvements
SR 90 - Seattle
Street & Utility Reconstruction
 Contract 6
 S. Irving Street, et al
 By Sewers, Storm Drains, Watermains, etc

THE CITY OF SEATTLE
 DEPARTMENT OF ENGINEERING
 SPECIAL ASSISTANT, DIRECTOR OF ENGINEERING
 APPROVED BY: _____
 DATE: _____

NAME OF DETAILS AND DATE	APPROVAL DATE
...	...
...	...
...	...

APPROVED FOR ADVERTISING
 BY THE BOARD OF PUBLIC WORKS
 SEATTLE, WASHINGTON, _____
 ATTORNEY: _____

POOL
 ENGINEERING INC.
 1500 Third Avenue
 Seattle, WA 98101
 (206) 462-4000

POOL
 ENGINEERING INC.

Continue on Sheet 6

AGREEMENT GC 7263

TASK ORDER NO. 4

SUPPLEMENT 1

This Task Order, made and entered into this 19th day of November, 1984, between the STATE OF WASHINGTON, DEPARTMENT OF TRANSPORTATION, hereinafter referred to as the "STATE" and the CITY of SEATTLE, hereinafter referred to as the "CITY";

WHEREAS, by the terms of Master Agreement GC 7263, dated August 8, 1983, a supplement is required. "In the event unforeseen conditions require an increase in the cost of 25 percent or more, or a change in the scope of work which is to be accomplished in connection with the facility adjustment herein proposed, this Agreement will be modified by supplement agreement covering the increase and/or change," and

WHEREAS, the contemplated work in this Task Order is a change in scope of work of Agreement GC 7263, Task Order 4, and

WHEREAS, the increased costs due to the change in scope of work are included in the estimate of cost, Exhibit "B-1", and

NOW THEREFORE, in consideration of the terms, covenants and performance contained herein, or attached and incorporated and made a part hereof,

IT IS MUTUALLY AGREED AS FOLLOWS:

Pages 1B through 17B of the cost estimate, Exhibit "B" in Agreement GC 7263, Task Order 4 shall remain unchanged and 1B-1 and 1B-2 of Exhibit "B-1" is hereby added to the total cost of GC 7263, Task Order 4, attached hereto and by this reference made a part of this Agreement.

1. The work proposed under this supplemental Task Order contemplates removal, adjustment and/or the relocation of certain power facilities as described in the Master Agreement under items:
 - 1.3.1 Modifications for local streets.
 - 5.3.1 Local street modifications - Rainier Avenue South Vicinity. Overhead power facilities in conflict with STATE Contract "I-5 to Bush, Eastbound, Westbound and Center Roadways".

2. Work To Be Performed By the State:

None

3. Work To BE Performed By the City:

The CITY shall, with CITY forces, remove, adjust or relocate the items noted in Exhibit "A-1".

4. Exhibit "A-1", Specifications and Special Considerations; Exhibit "B-1", Estimate of Cost; and Exhibit "C-1", Plans, are attached hereto and by this reference made a part of this Task Order supplement.

5. The CITY is currently preparing plans for the itemized work covered by this Task Order. Said plans, upon completion, and after approval by the STATE, shall become a part of this Task Order for all intents and purposes as if fully set forth herein.

6. Financial Responsibility

The STATE is responsible for 100 percent of the costs covered by this Task Order.

GC7263

TASK ORDER NO. 4

-2-

SUPPLEMENT NO. 1

7. Payment

Payment under this Task Order will be made on actual direct and related indirect costs in accordance with Section IV, PAYMENT of the Master Agreement.

All other terms and conditions of Agreement GC 7263, Task Order 4 shall remain in full force and effect.

This Supplement 1 to Agreement GC 7263, Task Order 4 shall be binding on the parties hereto, their successors or assigns.

IN WITNESS WHEREOF, parties hereto have executed this Task Order as of the day and year first above written.

CITY OF SEATTLE

By: [Signature]
Superintendent Seattle City Light

Date: 11/8/84

STATE OF WASHINGTON
DEPARTMENT OF TRANSPORTATION

By: [Signature]
Title: PROJECT DEVELOPMENT ENGINEER

Date: 11-19-84

GC7263

TASK ORDER NO. 4

SUPPLEMENT NO. 1

EXHIBIT "A-1"
SPECIFICATIONS AND SPECIAL CONSIDERATIONS

The work proposed under this Agreement contemplates the removal, adjustment and/or relocation of certain facilities as described herein.

WORK TO BE PERFORMED BY THE STATE

None.

WORK TO BE PERFORMED BY SEATTLE CITY LIGHT

Corwin Place South

Remove overhead wires and related power poles from South Dearborn Street to South Atlantic Street:

1. 20 Overhead Transformers
2. 6280 linear feet of #4 bare copper wire
3. 5940 linear feet of #4 poly wire
4. 3100 linear feet of #2 poly wire
5. 1230 linear feet of #6 poly wire
6. 50 power poles
7. 600 feet #1/0 wire

SALVAGE

All material removed by the UTILITY, or its contractor, shall be reclaimed or disposed of by the UTILITY and shall be credited to the STATE in accordance with Federal-Aid Highway Program Manual PPM 30-4. The UTILITY shall furnish written notice to the STATE for the time and place the materials will be available for inspection. An estimate of the salvage credit is included in the Estimate of Cost.

Although there is some salvage value and the cost of removal exceeds the salvage value, the lines to be removed are in close proximity to energized lines and for safety reasons it is necessary for the UTILITY to remove the lines.

BETTERMENTS

The adjustment of CITY facilities, as required herein, does not constitute a betterment as defined in Federal-Aid Program Manual PPM 30-4.

GC7263

-1-A1-

TASK ORDER NO. 4
SUPPLEMENT NO. 1

EXHIBIT "A-1" (continued)

EASEMENT

In accordance with the terms of Master Construction Agreement GC 7263, the CITY and STATE may enter into a separate easement agreement to perpetuate existing or replacement property rights of the CITY, and to define the location and conditions of said easement.

FUNCTIONAL REPLACEMENT

The work contemplated under this task order does not constitute a functional replacement facility, therefore, the CITY is entitled to all salvage except for those salvageable items as shown on Attachment "A" to Exhibit "B".

STAGING

All work to be done by Seattle City Light must be staged to accommodate STATE construction.

EXHIBIT "B-1"

ESTIMATE OF COST

The noted engineering labor classifications, direct salary rates and overhead rates are used as the basis of estimating engineering activities described in this Agreement. All the above rates are subject to change. The engineer's estimate is based upon the third quarter of 1984 quantities and unit prices.

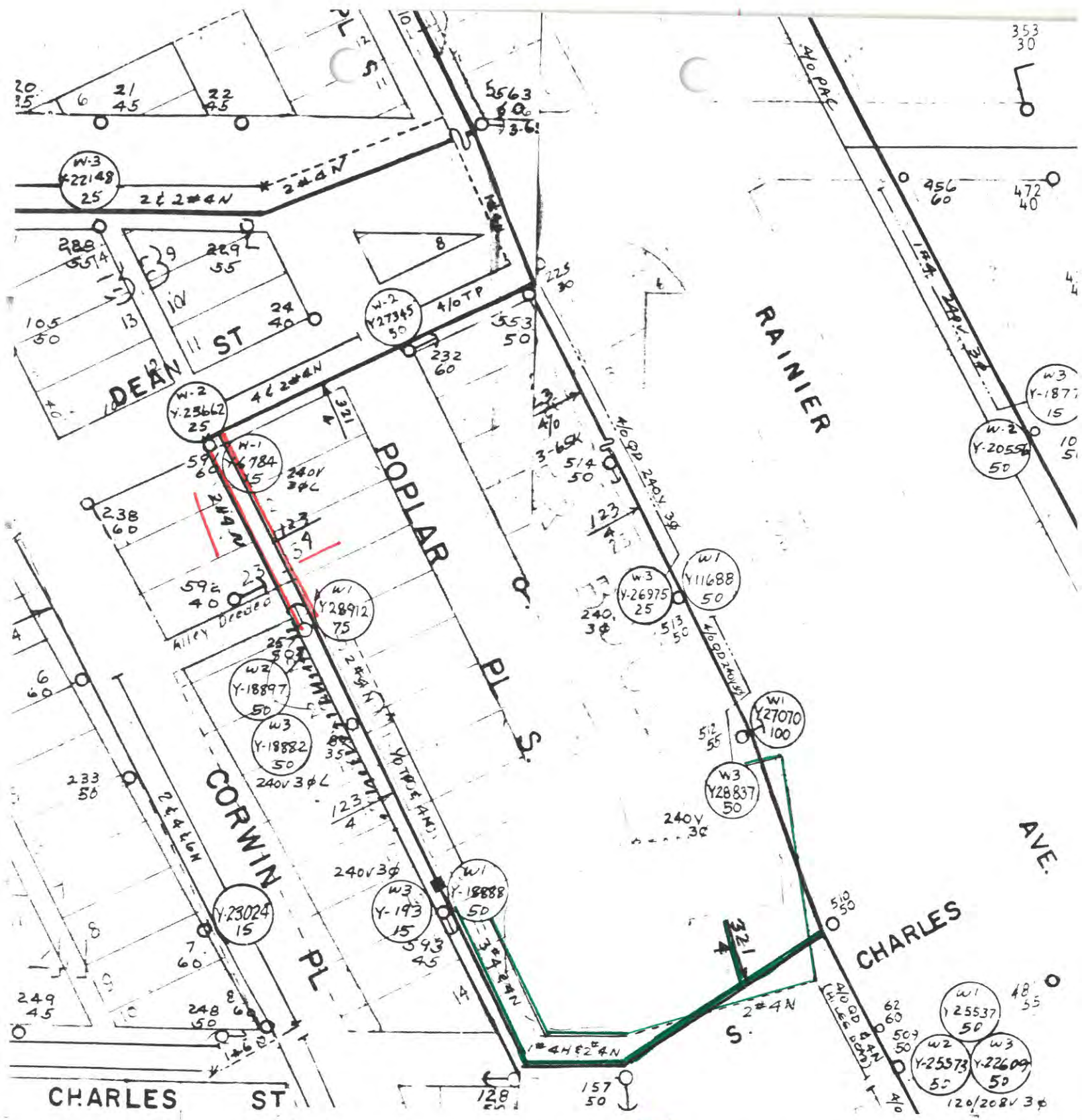
<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
1.0 <u>LABOR - OVERHEAD ESTIMATE</u> (Removal)				
South Dearborn Street to South Atlantic Street on Corwin Place, South Bush Place and Poplar South				
<u>Overhead Line Crew</u>				
211	Hr.	Line Crew Chief	\$ 17.96	\$ 3,790
400	Hr.	Lineworker	15.99	6,396
211	Hr.	Apprentice Lineworker	15.20	3,207
211	Hr.	Materialman	12.84	2,709
337	Hr.	Line Helper	12.05	4,061
<u>Overhead Pole Crew</u>				
147	Hr.	Pole Crew Chief	17.96	2,640
147	Hr.	Lineworker	15.99	2,351
210	Hr.	Electrical Helper	12.05	2,531
210	Hr.	Pole Digger Operator	14.41	3,026
<u>Engineering</u>				
8	Hr.	Senior Electrical Engineer	19.68	157
78	Hr.	Assistant Electrical Specialist III	15.31	1,194
		Sub Total		\$ 32,062
		Labor Benefits @ 46%		14,749
		Sub Total		\$ 46,811
		Overhead @ 15%		7,022
		Sub Total 1.0		\$ 53,833
2.0 <u>TRANSPORTATION</u>				
2084	Hr.	Manhours (crew)	\$ 2.61	5,439
86	Hr.	Manhours (engineering)	.35	30
		Sub Total		\$ 5,469
		Overhead @ 15%		820
		Sub Total 2.0		6,289

ESTIMATE OF COST

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>3.0 SALVAGE</u>				
260	Lb.	No. 4 Bare Copper Wire (2000 L.F. @ .13 lb/L.F.)	\$.61	\$ 159
		Sub Total 4.0		(159)
<u>4.0 MATERIAL INSTALLED</u>				
2	Ea.	Poles	\$ 300.00	\$ 600
3418	L.F.	No. 4 Bare Copper Wire	.15	513
		Sub Total		\$ 1,113
		Material Handling @ 70%		779
		Sub Total		\$ 1,892
		Sales Tax @ 7.9%		149
		Sub Total 5.0		<u>2,041</u>
		TOTAL - 100% STATE COST		<u>\$ 62,004</u>

SUMMARY

1.0	Labor	\$ 53,833
2.0	Transportation	6,289
3.0	Salvage	(159)
4.0	Material	<u>2,041</u>
	TOTAL - 100% STATE COST	<u>\$ 62,004</u>



ORCHARD

OLD FACILITY TO BE REPLACED

NEW REPLACEMENT FACILITY

MATERIAL TO BE SALVAGED

WIRE NO.	LENGTH (FT)	NO. OF WIRES	TOTAL FEET
4	320	5	1600
4	90	3	270
TOTAL			1870

NEW POWER POLE

EXHIBIT "C-1"

CS 1798 SR 90

AGREEMENT NO. GC 7263, T.D. NO. 4 SUPP. NO. 1

SEATTLE CITY LIMITS

CEDAR RIVER PIPE LINES - STURGIS AVE. SO. - CORWIN PL.

P.E. THOM P.E. D.E. ROCKSTUCK P.E.
 LOCATION ENGINEER DISTRICT ADMINISTRATOR

EXHIBIT "A"
SPECIFICATIONS AND SPECIAL CONSIDERATIONS

The work proposed under this Agreement contemplates the removal, adjustment and/or relocation of certain facilities as described herein.

WORK TO BE PERFORMED BY THE STATE

None.

WORK TO BE PERFORMED BY SEATTLE CITY LIGHT

Sixth Avenue South

Remove overhead wires and related power poles. Remove 9 overhead transformers. Install conduits, power cables, two precast concrete vaults and miscellaneous materials.

South Royal Brougham Way

Remove overhead wires and related power poles. Remove 13 overhead transformers. Install conduits, power cables and miscellaneous materials.

Fourth Avenue South

Remove overhead powerlines and related power poles. Remove 11 overhead transformers. Install two power poles and five precast concrete vaults.

SALVAGE

All material removed by the UTILITY, or its contractor, shall be reclaimed or disposed of by the UTILITY and shall be credited to the STATE in accordance with Federal-Aid Highway Program Manual PPM 30-4. The UTILITY shall furnish written notice to the STATE for the time and place the materials will be available for inspection. An estimate of the salvage credit is included in the Estimate of Cost.

Although there is some salvage value and the cost of removal exceeds the salvage value, the lines to be removed are in close proximity to energized lines and for safety reasons it is necessary for the UTILITY to remove the lines.

ACCOUNTING SYSTEM

The STATE, in consideration of the faithful performance of the work to be done by the UTILITY, agrees to pay the UTILITY actual direct and related indirect costs accumulated in accordance with a work order accounting procedure prescribed by the Division of Municipal Corporations of the State Auditor's Office.

EASEMENT

In accordance with the terms of Master Construction Agreement GC 7263, the CITY and STATE shall enter into a separate easement agreement to perpetuate existing or replacement property rights of the CITY, and to define the location and conditions of said easement.

FUNCTIONAL REPLACEMENT FACILITY

This project is a functional replacement facility, therefore, the salvage values of overhead wires and pole are credited to this project and are included in Exhibit "B".

POWER POLE REMOVAL

The power poles in this agreement are being removed for three reasons:

1. The power poles must be removed because of overhead clearances when the STATE constructs the SR 5 to Fourth Avenue roadway viaduct.
2. The power poles would remain standing, without wires, adjacent to Royal Brougham Way, which carries high traffic volumes, for some months before the STATE could remove the poles. They would remain a traffic hazard beyond their useful life.
3. Some power poles may be in conflict with trenching operations while undergrounding the existing facility.

EXPIRED SERVICE LIFE

Adjustment of CITY facilities does not involve a credit due for the value of expired service life of the facilities being replaced.

BETTERMENTS

The adjustment of CITY facilities, as required herein, does not constitute a betterment as defined in Federal-Aid Highway Program Manual 1-4-4. This facility must be undergrounded because safe electrical clearances could not be obtained in an aerial configuration under the structures.

EXHIBIT "B"
ESTIMATE OF COST

The noted engineering labor classifications, direct salary rates and overhead rates are used as the basis of estimating engineering activities described in this Agreement. All the above rates are subject to change. The engineer's estimate is based upon the third quarter of 1984 quantities and unit prices.

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
1.0 <u>LABOR - OVERHEAD ESTIMATE</u> (Removal)				
1.1 Sixth Avenue South - Airport Way South to South Atlantic Street				
<u>Overhead Line Crew</u>				
144	Hr.	Line Crew Chief	\$ 17.96	\$ 2,586
576	Hr.	Lineworker	15.99	9,210
144	Hr.	App. Lineworker	15.20	2,189
144	Hr.	Materialman	12.84	1,849
432	Hr.	Line Helper	12.05	5,206
<u>Overhead Pole Crew</u>				
20	Hr.	Pole Crew Chief	17.96	359
20	Hr.	Lineworker	15.99	320
40	Hr.	Electrical Helper	12.05	482
40	Hr.	Pole Digger Operator	14.41	576
Sub Total 1.1				\$ 22,777
1.2 South Royal Brougham Way				
<u>Overhead Line Crew</u>				
144	Hr.	Line Crew Chief	\$ 17.96	2,586
576	Hr.	Lineworker	15.99	9,210
144	Hr.	App. Lineworker	15.20	2,189
144	Hr.	Materialman	12.84	1,849
432	Hr.	Line Helper	12.05	5,206
<u>Overhead Pole Crew</u>				
48	Hr.	Line Crew Chief	17.96	862
96	Hr.	Electrical Helper	12.05	1,157

ESTIMATE OF COST (continued)

1.2 South Royal Brougham Way (continued)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
96	Hr.	Pole Digger Operator	14.41	1,383
48	Hr.	Lineworker	15.99	768
Sub Total 1.2				\$ 25,210

1.3 Fourth Avenue South

<u>Overhead Line Crew</u>				
108	Hr.	Line Crew Chief	\$ 17.96	1,940
432	Hr.	Lineworker	15.99	6,908
108	Hr.	App. Lineworker	15.20	1,642
108	Hr.	Materialman	12.84	1,387
324	Hr.	Line Helper	12.05	3,904
<u>Overhead Pole Crew</u>				
12	Hr.	Pole Crew Chief	17.96	216
24	Hr.	Electrical Helper	12.05	289
24	Hr.	Pole Digger Operator	14.41	346
12	Hr.	Lineman	15.99	191
Sub Total 1.3				\$ 16,823

1.4 Third Avenue South

<u>Overhead Line Crew</u>				
48	Hr.	Line Crew Chief	\$ 17.96	862
192	Hr.	Lineworker	15.99	3,070
48	Hr.	App. Lineworker	15.20	730
48	Hr.	Materialman	12.84	616
144	Hr.	Line Helper	12.05	1,735
Sub Total 1.4				\$ 7,013

1.5 Inspection

400	Hr.	Field Engineer	\$ 15.31	6,124
Sub Total 1.4				\$ 6,124

ESTIMATE OF COST (continued)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>1.6 Mechanical - Underground Construction</u>				
1275	Hr.	Power Conststruction Mechanical Chief	\$ 15.99	\$ 20,387
1275	Hr.	Power Conststruction Mechanic	14.24	18,156
3824	Hr.	Truck Driver	11.78	45,047
1275	Hr.	Utility Laborer	11.78	15,020
2549	Hr.	Laborer	9.13	23,272
Sub Total 1.6				\$121,882
<u>1.7 Electrical - Cable Pulling Crew</u>				
138	Hr.	Crew Chief (non-network)	\$ 18.59	2,565
550	Hr.	Cable Splicer (non-network)	16.56	9,108
275	Hr.	Electrical Helper	12.05	3,314
138	Hr.	Electrical Helper (assigned pulling rig)	13.23	1,826
Sub Total 1.7				\$ 16,813
<u>1.8 Underground Electrical (URD) Crew</u>				
275	Hr.	Crew Chief (non-network)	\$ 18.59	5,112
550	Hr.	Cable Splicer (non-network)	16.56	9,108
275	Hr.	Splicer Helper	13.23	3,638
Sub Total 1.8				\$ 17,858
Sub Total				\$234,500
Labor Benefits @46%				107,870
Sub Total				\$342,370
Overhead @ 15%				51,356
Sub Total 1.0				\$393,726
<u>2.0 TRANSPORTATION</u>				
17724	Hr.	Manhours (loaded rate)	\$ 4.30	\$ 76,215
Sub Total				\$ 76,215
Overhead @ 15%				11,432
Sub Total 2.0				87,647

ESTIMATE OF COST (continued)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
3.0 <u>UNDERGROUND MATERIAL</u>				
3.1 <u>6th Avenue South</u>				
2	Ea.	814 Precast Vault	\$ 7,500.00	\$ 15,000
1060	L.F.	5 inch PVC-DB Duct	1.00	1,060
2580	L.F.	4 inch PVC-DB Duct	.68	1,754
40	L.F.	5 inch Rigid Galvanized Steel Conduit	8.51	340
80	L.F.	5 inch PVC Schedule 40 Riser	1.69	135
40	L.F.	4 inch PVC Schedule 40 Riser	1.85	74
4	Ea.	5 inch Rigid Galvanized Steel Ell	115.05	460
20	L.F.	4 Inch Rigid Galvanized Standard Conduit	4.62	92
2	Ea.	4 inch Rigid Galvanized Steel Ell	60.66	121
6	Ea.	Intermediate Arrester	254.20	1,525
3	Ea.	Riser Pole Arrester	182.60	548
2000	L.F.	#1, 2/C, 27 KV, A1. XLP	.85	1,700
2040	L.F.	750 MCM, 1/C, 27 KV, XLP, Shield	4.22	8,609
680	L.F.	#4/0, 1/C, 600 volt, Cu. XLP	.91	619
100	L.F.	350 MCM A1. QP	1.98	198
160	L.F.	4/0 A1. QP	1.34	214
460	L.F.	500 MCM A1. QP	3.48	1,601
6	Ea.	L.B. Elbows	39.49	237
3	Ea.	L.B. J-Boxes, 4-Way	343.71	1,031
3	Ea.	L.B. Ins. Cap	28.88	87
3	Ea.	600A Splice	297.17	892
3	Ea.	D.B. Elbows	24.52	74
3	Ea.	D.B. Bushing Inserts	19.92	60
200	L.F.	#2, b.c. Ground Bus	.25	50
160	L.F.	500 MCM, 1/C, 600 volt, Cu. XLP	1.97	315
178	Ton	Washed Sand	50.00	8,900
500	Ton	Select Backfill	22.50	11,250
1	L.S.	Miscellaneous Material	6,707	6,707
Sub Total 3.1				\$ 63,653

ESTIMATE OF COST (continued)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>3.2 Royal Brougham Way South</u>				
460	L.F.	5 inch PVC-DB	\$ 1.00	\$ 460
2280	L.F.	4 inch PVC-DB	.68	1,550
17	Ea.	4 inch Rigid Steel E11	60.66	1,031
520	L.F.	500 MCM QP	3.48	1,810
80	L.F.	4 inch Rigid Galvanized Steel Conduit	4.62	370
300	L.F.	4 inch Schedule 40 PVC	1.85	555
227	Ton	Washed Sand	50.00	11,350
1	L.S.	Miscellaneous Material	2,056	2,056
Sub Total 3.2				\$ 19,182
<u>3.3 Fourth Avenue South</u>				
1	Ea.	814 Precast Vault	\$ 7,500.00	7,500
4	Ea.	712 Precast Vault	5,200.00	20,800
15	Ea.	L.B. J-Boxes	343.71	5,156
27	Ea.	L.B. Elbows	39.49	1,066
15	Ea.	D.B. Elbows	24.52	368
1240	L.F.	500 MCM QP	3.48	4,315
340	L.F.	#1 b.c. Grd. Bus	.25	85
20	Ea.	8 Pos. Blackburn	40.98	820
750	L.F.	500 MCM, 1/C, 600 volt, Cu.XLP	1.97	1,478
15	Ea.	D.B. Bushing Inserts	19.91	299
245	Ton	Washed Sand	50.00	12,250
1040	Ton	Select Backfill	22.50	23,400
5920	L.F.	4 inch PVC DB	.68	4,026
10	Ea.	4 inch Rigid Steel E11	60.66	606
240	L.F.	4 inch Schedule 40 PVC	1.85	444
1	L.S.	Miscellaneous Material	2,242.00	2,242
Sub Total 3.3				\$ 84,855
Sub Total				\$167,690
Sales Tax @ 7.9%				13,248
Sub Total 3.0				\$180,938

ESTIMATE OF COST (continued)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>4.0 OVERHEAD MATERIAL</u>				
<u>4.1 Sixth Avenue South</u>				
4	Ea.	Poles - 60 foot	\$ 110.86	\$ 443
9	Ea.	T.P. 1-Phase Disconnect	96.65	870
3	Ea.	Arresters, T.P.	182.60	548
6	Ea.	Arresters, Intermediate	254.20	1,525
2	Ea.	Switch, 600A KPF	880.88	1,762
700	L.F.	#4/0 QP	1.31	917
1	L.S.	Pole Handling	310.00	310
1	L.S.	Miscellaneous Material	543.00	543
Sub Total 4.1				\$ 6,918
<u>4.2 Fourth Avenue South</u>				
2	Ea.	Poles - 60 foot	\$ 110.86	222
6	Ea.	T.P. 1-Phase Disconnect Switch	96.65	580
6	Ea.	Arresters, T.P.	182.60	1,096
1	Ea.	Switch, KPF, 600A	880.88	881
1	L.S.	Pole Handling	155.00	155
1	L.S.	Miscellaneous Material	307.00	307
Sub Total 4.2				\$ 3,241
Sub Total				\$ 10,159
Sales Tax @ 7.9%				803
Sub Total				\$ 10,962
<u>4.3 Material Handling</u>				
			\$ 1,500.00	1,500
Sub Total 4.3				\$ 1,500
Sub Total 4.0				\$ 12,462

ESTIMATE OF COST (continued)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>5.0 SALVAGE</u>				
1060	Lb.	#4 bare copper wire (8150 L.F. @ .13 lb/L.F.)	\$.61	\$ 646
643	Lb.	#2 bare copper wire (3060 L.F. @ .21 lb/L.F.)	.61	392
536	Lb.	#2/0 bare copper wire (1340 L.F. @ .40 lb/L.F.)	.61	327
2613	Lb.	#4/0 bare copper wire (4020 L.F. @ .65 lb/L.F.)	.61	1,594
273	Lb.	#4/0 insulated copper wire (420 L.F. @ .65 lb/L.F.)	.44	120
134	Lb.	Bare Aluminum* (1675 L.F. @ .08 lb/L.F.)	.39	52
1520	L.F.	Power Poles	.60	912
29	Lb.	Insulated Aluminum* (365 L.F. @ .08 lb/L.F.)	.33	10
Sub Total 5.0				(\$ 4,053)
<u>6.0 WATER DEPARTMENT FORCES INSTALLED</u>				
<u>6.1 LABOR</u>				
272	Hr.	Pipe Worker	\$ 11.43	\$ 3,109
272	Hr.	Lead Pipe Worker	12.02	3,269
199	Hr.	Backhoe Operator	12.47	2,482
199	Hr.	Driver	11.88	2,364
Sub Total				\$ 11,224
Overhead and Fringe Factor @ 60%				6,734
Sub Total 6.1				\$ 17,958
<u>6.2 EQUIPMENT</u>				
199	Hr.	Backhoe	\$ 40.00	\$ 7,960
199	Hr.	Dump Truck	23.00	4,577
242	Hr.	Service Truck	12.00	2,904
Sub Total 6.2				\$ 15,441

* Aluminum is used for service drops and the weight/length is estimated.

ESTIMATE OF COST (continued)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>6.3 MATERIAL</u>				
8	Ea.	Fire Hydrant	\$ 478.00	\$ 3,824
8	Ea.	Tapping Sleeve	187.00	1,496
8	Ea.	Tapping Valve	76.00	608
80	L.F.	Ductile Iron Pipe	6.10	488
8	Ea.	Standard Valve Box	95.00	760
16	Ea.	Steel Plate	4.00	64
8	Ea.	Hydrant Bleeder	5.00	40
8	Ea.	M.J. Cap	60.00	480
8	Ea.	Concrete Block	43.00	344
16	C.Y.	Crushed Rock	10.00	160
8	Est.	Permanent Street Repair	<u>500.00</u>	<u>4,000</u>
		Sub Total		\$ 12,264
		Sales Tax @ 7.9%		<u>969</u>
		Sub Total		\$ 13,233
		Stores Expense @ 20%		<u>2,647</u>
		Sub Total 6.3		<u>\$ 15,880</u>
		Sub Total 6.0		<u>\$ 49,279</u>
		TOTAL - 100% STATE COST		<u>\$719,999</u>

SUMMARY

1.0	Labor	\$393,726	
2.0	Transportation	87,647	
3.0	Underground Material	180,938	
4.0	Overhead Material	12,462	
5.0	Salvage	(4,053)	
	Sub Total - Seattle City Light		\$670,720
6.0	Water Department Forces	<u>49,279</u>	
	Sub Total - Seattle Water Department		<u>\$ 49,279</u>
	TOTAL - 100% STATE COST		<u>\$719,999</u>



UTILITY CONSTRUCTION AGREEMENT			ORGANIZATION AND ADDRESS		
WORK BY UTILITY—ACTUAL COST			Seattle City Light 1015 Third Avenue Seattle, WA 98104		
AGREEMENT NUMBER			SECTION/LOCATION		
UT 0048			Fourth Avenue S. to Junction SR 5		
STATE ROUTE NUMBER	CONTROL SECTION NUMBER	DISTRICT NUMBER	Seattle City Light Seattle Access		
90	1798	1			

This AGREEMENT, made and entered into this 19th day of November, 19 84, between the STATE OF WASHINGTON, Department of Transportation, acting by and through the Secretary of Transportation, by virtue of Title 47 RCW, hereinafter called the "STATE", and the above named organization, hereinafter called the "UTILITY."

WHEREAS, the STATE is planning the construction or improvement of the State Route shown above, and in connection therewith it is necessary to remove and/or relocate or construct certain UTILITY facilities as set forth in the attached plans, and

WHEREAS, it is deemed to be in the best public interest for the UTILITY, as owners of said facilities, to perform the work of removing, adjusting, and/or relocating the facilities, and

WHEREAS, the UTILITY has a compensable interest in its facilities and right-of-way by virtue of being located on easements or UTILITY owned right-of-way, and the STATE is obligated to reimburse the UTILITY for the relocation of these facilities, and the UTILITY is obligated for the cost of any relocation required for facilities not on easements or UTILITY owned right-of-way.

NOW THEREFORE, in consideration of the terms, conditions, covenants and performances contained herein, or attached and incorporated and made a part hereof, IT IS MUTUALLY AGREED AS FOLLOWS:

I GENERAL

Federal-Aid Highway Program Manual, Volume 1, Chapter 4, Section 4 (PPM30-4), and amendments thereto, determine and establish the definitions and applicable standards for this AGREEMENT and payment hereunder, and by this reference are incorporated hereby and made a part of this AGREEMENT for all intents and purposes as if fully set forth herein.

The UTILITY shall furnish the labor, materials, equipment and tools required for and do the work in removing and/or relocating the UTILITY facilities, in accordance with and described in the specifications marked Exhibit "A" and plans marked Exhibit "C" attached hereto, and by this reference made a part of this AGREEMENT.

II PAYMENT

The STATE, in consideration of the faithful performance of the work to be done by the UTILITY, agrees to pay the UTILITY actual direct and related indirect costs accumulated in accordance with a work order accounting procedure as prescribed and approved by the Agency shown in Exhibit "A" under accounting system.

An itemized estimate of cost for work to be performed by the UTILITY at the STATE's expense marked Exhibit "B" is attached hereto, and by this reference made a part of this AGREEMENT.

Partial payments may be made upon request of the UTILITY to cover costs incurred, and are not to be more frequent than one (1) per month. It is agreed that payment

of any partial claim will not constitute agreement as to the appropriateness of any item and that at the time of final audit, all required adjustments will be made and reflected in a final payment. In the event that such final audit reveals an overpayment to the UTILITY, the UTILITY agrees to refund such overpayment to the STATE.

During the progress of the construction and for a period not less than three years from the date of final payment to the UTILITY, the records and accounts pertaining to the construction of the project and accounting therefore are to be kept available for inspection and audit by the STATE and/or Federal Government and copies of all records, accounts, documents or other data pertaining to the project will be furnished upon request. If any litigation, claim, or audit is commenced, the records and accounts along with supporting documentation shall be retained until all litigation, claim or audit finding has been resolved even though such litigation, claim, or audit continues past the three-year retention period.

The UTILITY shall submit a final billing to the STATE within 90 calendar days following completion of the work involved.

III AUTHORITY TO BEGIN WORK AND SCHEDULE OF WORK

The UTILITY agrees not to commence work until receipt of notice to begin work in writing by the STATE, and that reimbursement will be limited to those costs incurred subsequent to the date of such notification.

The UTILITY agrees to schedule the work herein referred to and perform said work in such manner as not to delay or interfere with the STATE's contractor in the performance of his contract.

IV EXTRA WORK

In the event unforeseen conditions require an increase in the cost of 25 percent or more from that agreed to on Exhibit "B", this AGREEMENT will be modified by supplement AGREEMENT covering said increase.

In the event it is determined that any change from the statement of work contained in this AGREEMENT is required, approval must be secured from the STATE prior to the beginning of such work. Where the change is substantial, written approval must be secured.

Reimbursement for increased work and/or a substantial change in the statement of work shall be limited to costs allowed by a written modification, change order, or extra work order approved by the STATE.

V WORK BY CONTRACT

It is acknowledged that the UTILITY may not be adequately staffed or equipped to perform all the work required hereby, and that all or part of the same may be done by a contract let by the UTILITY. The UTILITY agrees that it shall not advertise or solicit bids for contract work until authorized to do so in writing by the STATE. It is further agreed that the UTILITY must receive written approval of the bid and contractor from the STATE prior to awarding the contract.

If a valid and continuing contract exists between the UTILITY and a contractor, and the UTILITY desires to have the work required by this AGREEMENT performed under the subject contract, the UTILITY shall provide the STATE with a copy of the contract for the STATE to review and approve. The STATE will indicate its approval by including a statement in Exhibit "A" to this AGREEMENT that the work shall be performed by (name and address of contractor) under a continuing contract approved by the STATE.

If the UTILITY enters into a contract or agreement with a contractor to perform the work provided herein to be performed by the UTILITY, the UTILITY for itself, its assigns and successors in interest, agrees that it will not discriminate in its choice of contractors and will include all of the non-discrimination provisions set forth herein in any such contract or agreement.

During the performance of this contract, the contractor, for itself, its assignees and successors in interest (hereinafter referred to as the "contractor"), agrees as follows:

- a. Compliance with Regulations: The contractor shall comply with the Regulations relative to non-discrimination in federally-assisted programs of the Department of Transportation, Title 49, Code of Federal Regulations, Part 21, as they may be amended from time to time, (hereinafter referred to as the Regulations), which are herein incorporated by reference and made a part of this contract.
- b. Non-discrimination: The contractor, with regard to the work performed by it during the contract, shall not discriminate on the grounds of race, color, sex or national origin in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The contractor shall not participate either directly or indirectly in the discrimination prohibited by Section 21.5 of the Regulations, including employment practices when the contract covers a program set forth in Appendix B of the Regulations.

- c. Solicitations for Subcontracts, including Procurements of Materials and Equipment: In all solicitations either by competitive bidding or negotiation made by the contractor for work to be performed under a subcontract, including procurements of materials or leases of equipment, each potential subcontractor or supplier shall be notified by the contractor of the contractor's obligations under this contract and the Regulations relative to non-discrimination on the grounds of race, color, sex or national origin.
- d. Information and Reports: The contractor shall provide all information and reports required by the Regulations, or directives issued pursuant thereto, and shall permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the STATE Department of Transportation or the Federal Highway Administration to be pertinent to ascertain compliance with such Regulations or directives. Where any information required of the contractor is in the exclusive possession of another who fails or refuses to furnish this information the contractor shall so certify to the STATE Department of Transportation, or the Federal Highway Administration as appropriate, and shall set forth what efforts it has made to obtain the information.
- e. Sanctions for Noncompliance: In the event of the contractor's noncompliance with the nondiscrimination provisions of this contract, the STATE Department of Transportation shall impose such contract sanctions as it or the Federal Highway Administration may determine to be appropriate, including, but not limited to:
 1. Withholding of payments to the contractor under the contract until the contractor complies, and/or
 2. Cancellation, termination or suspension of the contract, in whole or in part.
- f. Incorporation of Provisions: The contractor shall include the provisions of paragraphs a through f in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Regulations, or directive issued pursuant thereto. The contractor shall take such action with respect to any subcontractor or procurement as the STATE Department of Transportation or the Federal Highway Administration may direct as a means of enforcing such provisions including sanctions for noncompliance: Provided, however, that, in the event a contractor becomes involved in, or is threatened with, litigation with a subcontractor or supplier as a result of such direction, the contractor may request the STATE Department of Transportation to enter into such litigation to protect the interests of the STATE, and, in addition, the contractor may request the United States to enter into such litigation to protect the interests of the United States.

Nothing in the approval of such contract or agreement by the STATE will constitute an assignment of the UTILITY's rights and/or obligations or otherwise establish direct relations between STATE, UTILITY and contractor.

VI INSPECTION AND ACCEPTANCE

All of the UTILITY's construction operations, as provided under this AGREEMENT, shall be subject to inspection by the STATE.

Final acceptance of work shall be by payment of the final and complete itemized billing certifying that all the work has been done and upon recommendation of the District Administrator of the Department of Transportation.

Nothing in either inspection or acceptance shall reduce the UTILITY's responsibility for the work.

VII SALVAGE

All material removed by the UTILITY shall be reclaimed or disposed of by the UTILITY and shall be credited to the STATE in accordance with Federal-Aid Highway Program Manual, Volume I, Chapter 4, Section 4. The UTILITY shall furnish written notice to the STATE for the time and place the materials will be available for inspection. If salvage credit is anticipated on this project, an estimate of the salvage credit will be included in the estimate of cost.

VIII
DISCONNECT AND REMOVAL

When it is determined to be in the interest of the STATE to have the UTILITY's facilities removed by the STATE's contractor, the UTILITY will disconnect the facilities shown on Exhibit "C" to be removed by the STATE's contractor at STATE expense. Upon disconnection the STATE shall assume full responsibility for and disposition of the above mentioned facilities. It is agreed that the material to be removed by the STATE's contractor shall have no salvage value to the UTILITY.

IX
BETTERMENTS

If adjustment of the UTILITY's facilities does constitute a betterment as defined in Federal-Aid Highway Program Manual, Volume 1, Chapter 4, Section 4, the betterment credit will be included in the estimate of cost.

X
EXPIRED SERVICE LIFE

If adjustment of the UTILITY's facilities does involve a credit due for the value of the expired service life of the facility being replaced, this value will be included in the estimate of cost.

XI
COMPLIANCE

The UTILITY agrees to comply with all applicable requirements of the STATE which shall be in accordance with the Utilities Accommodation Policy, Chapter 468-34 WAC, and amendments thereto, and said policy and amendments are hereby incorporated in and made a part of this AGREEMENT for all intents and purposes as if fully set forth herein.

XII
RIGHT OF ENTRY

The UTILITY hereby grants and conveys to the

IN WITNESS WHEREOF, the parties hereto have executed this AGREEMENT as of the day and year first above written.

UTILITY

By: 

Title: SUPERINTENDENT

Date: 11/8/84

STATE the right of entry upon all land which the UTILITY has interest, within the right of way of the highway, for the purpose of improving and/or constructing said highway.

As noted in Exhibit "A" the UTILITY will, after relocation and/or adjustment of their facilities, execute and deliver to the STATE a quit claim deed removing all UTILITY interests from within the STATE'S right of way.

Upon completion of the work outlined herein, all future operation and maintenance of the UTILITY's facilities shall be at the sole cost of the UTILITY and without expense to the STATE.

XIII
EASEMENT, PERMIT OR FRANCHISE

The STATE will issue the UTILITY an easement, permit or franchise, as provided in Exhibit "A," for those UTILITY facilities which remain on or cross the STATE's right of way following completion of the work outlined herein.

XIV
LEGAL RELATIONS

The UTILITY shall indemnify and hold the STATE and its agents, employees, and/or officers harmless from and shall process and defend at its own expense any and all claims, demands, suits at law or equity, actions, penalties, losses, damages, or costs, of whatsoever kind or nature, brought against the STATE arising out of, in connection with, or incident to the execution of this AGREEMENT and/or the UTILITY's performance or failure to perform any aspect of this AGREEMENT. Except, however, nothing herein shall require the UTILITY to hold harmless or defend the STATE and its agents, employees, and/or officers from any liability, loss, claim, demand, or suit arising from the sole negligence of the STATE or its agents, employees and/or officers.

No liability shall attach to the STATE or the UTILITY by reason of entering into this AGREEMENT except as expressly provided herein.

STATE OF WASHINGTON
DEPARTMENT OF TRANSPORTATION

By: 

PROJECT DEVELOPMENT ENGINEER

Seattle
Engineering Department



MEMORANDUM

Date: November 28, 1984
To: City Clerk
From: Joann M. Sullivan *JMS*
Subject: FILING OF AGREEMENT FOR I-90

Please file the attached agreement for I-90:

<u>Agreement No.</u>	<u>Task Order</u>	<u>Ordinance No.</u>
GC-7263	#4-Supp. #1	111246/111500

JMS:dah

Attachment

Seattle
Engineering Department



MEMORANDUM

Date: August 14, 1985
To: City Clerk
From: Joann M. Sullivan, Seattle Engineering Department
Subject: Filing of I-90 Task Orders

JMS

Please file the attached agreements.

Agreement

GC-7263

Task Order

No. 8

Ordinance

11246

FILED
CITY OF SEATTLE
1985 AUG 14 AM 10:46
COMPTROLLER AND CITY CLERK

JMS:dd

Attachment

AGREEMENT GC 7263

TASK ORDER NO. 8

This Task Order, made and entered into this 2nd day of Aug., 1985 between the STATE OF WASHINGTON, DEPARTMENT OF TRANSPORTATION, hereinafter referred to as the "STATE" and the CITY of SEATTLE, for and on behalf of its water and sewer utilities, hereinafter referred to as the "CITY";

WHEREAS, Master Agreement GC 7263, entered into between the STATE and the CITY on August 8, 1983, is incorporated and by this reference made a part of this Task Order as if fully set forth herein. and

WHEREAS, this Task Order pertains to CITY contract "SR 90 - Bradner Place South, et al, relating to water and sewer utility relocation work, and

WHEREAS, the CITY water and sewer utilities are separately funded entities of the City, and

WHEREAS, the Seattle Engineering Department is the administering agency for this contract,

NOW THEREFORE, it is mutually agreed as follows:

- 1.0 The work proposed under this Task Order contemplates the removal, adjustment and/or relocation of certain facilities as described in the Master Agreement under the following items:
 - 2.1.3 8 inch waterline in South Massachusetts Street between Bradner Place South and Yakima Avenue South
 - 2.1.5 8 inch waterline on Bradner Place South between South Massachusetts Street and South Atlantic Street
 - 2.1.6 8 inch waterline loop between 35th Avenue South and 36th Avenue South, south of SR 90
 - 2.1.8 8 inch waterline in South Atlantic Street from South Bradner Street to 29th Avenue South
 - 2.1.9 8 inch waterline loop between 35th Avenue South and Lakeside Avenue South
 - 2.2.3 8 inch sewerline north of SR 90 from 35th Avenue South to the east
 - 2.2.4 12 inch sewerline south of SR 90 from 35th Avenue South to the east

- 2.2.5 A sewer line on South Atlantic Street to Massachusetts Street between Yakima Avenue South and Martin Luther King Jr. Way South
- 2.2.12 Bradner Place South and South Atlantic Street reconstruction
- 2.2.16 12 inch sanitary sewer from the north end of the 28th Avenue South cul-de-sac to South Atlantic Street
- 2.2.17 12 inch storm drain from the north end of the 28th Avenue South cul-de-sac to South Atlantic Street
- 2.2.18 12 inch storm sewer on South Atlantic Street from 29th Avenue South to Martin Luther King Way South

2.0 Work To Be Performed By the STATE:

None

3.0 Work To Be Performed By the CITY:

Work by Seattle Engineering Department - Administer the contract, respond to STATE requests and prepare and submit monthly billings to the STATE.

Work by Seattle Water Utility - Coordinate and perform all needed water shut-downs, make all needed new water main connections to existing line, kill water services, provide temporary water mains, transfer water services, cut and cap water mains and hydrant removal and abandon.

Work by Seattle Sewer Utility - Coordinate any sewer design changes and review any plans or submittals pertaining to sewer utility work.

Work by the CITY Consultant - Work to be done by CITY consultant will be as detailed in Exhibit "D", attached hereto and by this reference made a part of this Task Order.

4.0 Exhibit "A", Specifications and Special Considerations, Exhibit "B", Estimate of Cost and Exhibit "C", vicinity map, are attached hereto and by this reference made a part of this Task Order.

5.0 The CITY is currently preparing contract plans and special provisions for the itemized work covered by this Task Order. Said plans and special provisions, upon completion, and after approval by the STATE, shall become a part of this Task Order for all intents and purposes as if fully set forth herein.

6.0 Financial Responsibility and Other Funding Sources

The STATE is responsible for 100 percent of the costs covered by this Task Order.

7.0 Payment

Payment under this Task Order will be made on actual direct and related indirect costs in accordance with Section IV, PAYMENT, of the Master Agreement.

8.0 Miscellaneous

In accordance with the terms of Master Construction Agreement GC 7263, the CITY and STATE shall enter into a separate easement agreement to perpetuate existing or replacement property rights of the CITY, and to define the location and conditions of said easement.

9.0 Adjustments to Master Construction Agreement

Portions of some items of work under this task order have changed due to engineering judgments, design refinements, feasibility studies and other State criteria. See Exhibit "A" for specifics.

IN WITNESS WHEREOF, parties hereto have executed this Task Order as of the day and year first above written.

CITY OF SEATTLE

By: Thomas C. Spring
for Superintendent of Water

Date: 7/23/85

By: Eugene V. Avey
Director of Engineering

Date: July 19, 1985

STATE OF WASHINGTON
DEPARTMENT OF TRANSPORTATION

By: Chuck S. Swanson
Project Development Engineer

Date: AUG 2 1985

EXHIBIT "A"

SPECIFICATIONS AND SPECIAL CONSIDERATIONS

The work proposed under this Agreement contemplates the removal, adjustment and/or relocation of water, sewer, street, drainage, walkways, lighting and traffic facilities as described herein and shown on Exhibit "C".

WORK TO BE PERFORMED BY THE STATE

NONE

WORK TO BE PERFORMED BY THE CITY

Removal, relocation and/or reconstruction of sewer and storm drains which conflict with SR 90 construction.

Sheet 2 of 11

- a) Construct 255 feet of 8 inch water main and appurtenances
- b) Construct 40 feet of 8 inch water main
- c) Remove 255 feet of 8 inch water main
- d) Remove various water meters and fire hydrant

Sheet 3 of 11

- a) Construct 345 feet of 8 inch water main and appurtenances
- b) Remove and reinstall 75 feet of existing 8 inch concrete culvert

Sheet 4 of 11

- a) Construct 400 feet of 8 inch water main, valves, valve chambers and appurtenances
- b) Construct 900 feet of 8 inch water main and appurtenances
- c) Construct 20 feet of 8 inch water main and appurtenances
- d) Remove 1-1/2 inch blow off assembly

Sheet 5 of 11

- a) Construct 415 feet of 8 inch water main

Sheet 6 of 11

- a) Construct 440 feet of 8 inch water main with blocking, vertical and horizontal bends and appurtenances.
- b) Remove existing 8 inch 90 degree horizontal bend

EXHIBIT "A" (continued)

WORK TO BE PERFORMED BY THE CITY (continued)

Sheet 7 of 11

- a) Construct 200 feet of 18 inch sewer pipe including manhole
- b) Construct 200 feet of 18 inch storm drain pipe including manhole

Sheet 8 of 11

- a) Construct 215 feet of 18 inch sewer pipe including manholes
- b) Construct 220 feet of 18 inch storm drain pipe including manholes
- c) Construct 120 feet of 12 inch sewer pipe
- d) Construct 140 feet of 12 inch storm drain pipe

Sheet 9 of 11

- a) Construct 220 feet of 8 inch sewer pipe including manhole
- b) Construct 215 feet of 12 inch storm drain pipe including manhole

Sheet 10 of 11

- a) Construct 145 feet of 12 inch sewer pipe

Sheet 11 of 11

- a) Construct 175 feet of 8 inch sewer pipe
- b) Construct 320 feet of 8 inch sewer pipe
- c) Construct 40 feet of 8 inch sewer pipe

SALVAGE

All material removed by the CITY, or its contractor, shall be reclaimed or disposed of by the CITY, or its contractor, and shall be credited to the STATE in accordance with Federal-Aid Highway Program Manual PPM 30-4. The CITY, and its contractor shall furnish written notice to the STATE for the time and place the materials will be available for inspection.

Those materials removed by the CITY contractor will become the property of the CITY contractor. The salvage value shall be reflected in the contractor's bid price.

EXHIBIT "A" (continued)

DISCONNECT AND REMOVAL

The CITY facilities abandoned within the limits of the STATE right-of-way, if necessary, shall be removed by the STATE contractor at STATE expense. The STATE shall assume full responsibility for and disposition of the abandoned CITY facilities upon disconnection and abandonment of said CITY facilities. It is agreed that abandoned facilities that may be removed by the STATE contractor shall have no salvage value to the CITY.

Some abandoned CITY utility facilities will be removed from the old street right-of-way by the CITY contractor. In some instances the abandoned utility facilities, if not removed, become obstructions to the new CITY utility facilities to be constructed under this task order. Some facilities will be abandoned in place.

BETTERMENTS

The adjustment of CITY facilities, as required herein does not constitute a betterment as defined in Federal-Aid Highway Program Manual PPM 30-4.

EXPIRED SERVICE LIFE

Adjustment of CITY facilities does not involve a credit due for the value of expired service life of the facilities being replace.

ITEM VARIATION FROM MASTER CONSTRUCTION AGREEMENT

Due to design considerations the storm drain and sanitary sewer, listed under 6.0 Miscellaneous, are to be separated to comply with the CITY's grading and drainage ordinance, No. 108080, and Municipality of Metropolitan Seattle (METRO) regulations which require all new sewers and extension of existing sewers be designed as separate sanitary sewers and storm drains for environmental reasons.

TASK ORDER NO. 8

EXHIBIT 'B'

COST ESTIMATE

1.0 MATERIALS

QUANTITY	UNIT	BID ITEM	UNIT PRICE	TOTAL
420	HR	TRAINING	5	2100
1	LS	MOBILIZATIN	40000	40000
1	LS	CLEARING AD GRUBBING	2000	2000
3050	CY	BORROW, COMMON	10	30500
3050	CY	EMBANKMENT COMPACTION	2	6100
800	TN	MIN. AGGR., TYPE 1 OR 2	18	14400
1200	CY	MIN. AGGR., TYPE 17	20	24000
200	TN	PAVMT., ASPHALT CONC., CL B	75	15000
10	LF	RAILING, CEM. CONCRETE	100	1000
25	SF	STEPS, CEM CONC, SPECIAL	15	375
80	LF	CURB, CEM CONCRETE	10	800
330	LF	CURB & GUTTER, CEM CONC	12.5	4125
65	SY	DRIVEWAY, CEM CONC, 6 IN.	30	1950
200	SY	SIDEWALK, CEM CONC	22.5	4500
2	EA	CURB RAMP, CEM CONC	400	800
13800	SF	EROSION CONTROL, HYDRO-SEED	.15	2070
51	EA	TAMARIC JUNIPER, 5 GAL	10	510
4	EA	NATIVE WESTERN YEW, 5 GAL	45	180
6	EA	CROWNRIGHT PIN OAK, B&B, 2.5 IN	150	900
2	EA	RESET MON FRAME & COVER	200	400
2180	SY	REMOVE PAVEMENT	9	19620
80	LF	REMOVE CURB	3	240
590	SY	REMOVE CEMCONC SIDEWALK	7.5	4425
175	LF	REMOVE PIPE	10	1750
4	EA	REMOVE MANHOLE	300	1200
1	EA	REMOVE CATCH BASIN	200	200
2	EA	REMOVE INLET	150	300
1	EA	REMOVE VALVE CHAMBER	500	500
1	EA	REMOVE HYDRANT	100	100
10	LF	REMOVE RAILING	10	100
735	LF	FILL & ABANDON PIPE	5	3675
30	CY	PAV PATCH CEM CON CL 6.5 HES 1.5	150	4500
150	TN	PAV PATCH ASPH CONC CL B	70	10500
70	TN	PAV PATCH TEMP MC250	50	3500
2000	SF	SODDING	1.5	3000
72	LF	BEDDING CLB 6 IN PIPE	3	216
794	LF	BEDDING CLB 8 IN PIPE	3.5	2779
608	LF	BEDDING CLB 12 IN PIPE	5	3040
769	LF	BEDDING CLB 18 IN PIPE	6	4614
345	LF	PIPE PSD CON REINF C76 CL IV 12	35	12075
391	LF	PIPE PSD CON RE C76 CL III 18"	40	15640
704	LF	PIPE PS CONC C14 CL3 8"	30	21120
263	LF	PIPE PS CON RE C76 CL IV 12"	35	9205
378	LF	PIPE PS CON RE C76 CL III 18"	40	15120

4 EA	TEE CONC 8"	70	280
1 EA	TEE CONC 12"	80	80
2 EA	TEE CONC 18"	100	200
2 EA	MANHOLE SPECIAL, TYPE 130	2200	4400
8 EA	MANHOLE TYPE 130	2000	16000
6 VF	XTRA DEPT, MANHOLE TYPE 130	150	900
1 EA	RECHANNEL MANHOLE	500	500
1 EA	CATCH BASIN, TYPE 171A	1500	1500
2 EA	CATCH BASIN, TYPE 171A	1750	3500
3 EA	INLET, TYPE 165 V	900	2700
85 LF	PIPE, SSS, CONC C14 CL 3, 6 IN	30	2550
90 LF	PIPE, CB CONN, CONC C14 CL3 8"	25	2250
72 LF	PIPE INL CONN CONC C14 CL3 6"	20	1440
15 LF	PIPE WM DI CL52 6" INCL FTNGS	25	375
1860 LF	PIPE WM DI CL52 8" INCL FTNGS	30	55800
100 CY	BLOCKING CEM CONC	150	15000
16 EA	PIPE ANCHORE	500	8000
1 EA	VALVE GATE 6 IN	500	500
8 EA	VALVE GATE 8 IN	600	4800
1 EA	AIR REL VALVE 1" INC VALVE CHA	2000	2000
2 EA	RELOCATE WATER METER	250	500
9 EA	VALVE BOX CAST IRON	100	900
2 EA	HYDRANT 6" CONN TYPE 180	1500	3000
30 LF	PIPE HYDRANT CONN DI CL52 6"	20	600
1 EA	RELOCATE MANHOLE	500	500
1 EA	RELOCATE SIGN	250	250

 SUB-TOTAL: 417654
 SALES TAX AT 7.8% 32577

MATERIALS COST: 450231
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2.0 WATER DEPT.

13 EA	WATER MAIN CONNECTS	600	7800
60 HR	DISINFECT	30	1800
9 EA	SERVICE KILLS	360	3240
9 EA	SERVICE TRANSFERS	420	3780
	LABOR:		16620
	EQUIPMENT AT 75% OF LABOR		12465
40 HR	PROJECT ADMINISTRATOR	40	1600
24 HR	PROJECT ENGINEER	32	768

 TOTAL WATER DEPT: 31453

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3.0 ENGINEERING:

20% OF MATERIALS COST:

90046

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SUMMARY

1.0 MATERIALS COST	450231
2.0 WATER DEPT. COST	31453
3.0 ENGINEERING COST	90046
	=====

TOTAL:

\$ 571730

Pool Engineering, Inc.

All Inclusive Hourly Rate Schedule for 1985

Labor Classification	Direct Labor Hourly Rate	Fringe Benefit	General & Admin Overhead	Fixed Fee	Total Hourly Rate
Principal Engineer	\$27.40	\$17.54	\$27.40	\$8.22	\$80.56
Senior Engineer	23.94	15.32	\$23.94	\$7.18	70.38
Design Engineer	19.90	12.74	\$19.90	\$5.97	58.51
Assistant Engineer	14.71	9.41	\$14.71	\$4.41	43.24
Senior Technician	18.35	11.74	\$18.35	\$5.51	53.95
Technician	10.50	6.72	\$10.50	\$3.15	30.87
Senior Inspector	17.80	11.39	\$17.80	\$5.34	52.33
Inspector	12.50	8.00	\$12.50	\$3.75	36.75
Supervising Surveyor	21.92	14.03	\$21.92	\$6.58	64.45
Party Chief	11.60	7.42	\$11.60	\$3.48	34.10
Instrument Man	10.30	6.59	\$10.30	\$3.09	30.28
Head Chainman	9.50	6.08	\$9.50	\$2.85	27.93
Rear Chainman	6.75	4.32	\$6.75	\$2.03	19.85
Drafter	9.60	6.14	\$9.60	\$2.88	28.22
Word Processor	9.50	6.08	\$9.50	\$2.85	27.93

The above all inclusive hourly rates are in effect for the calendar year 1985.

Direct project expenses - reproduction, computer charges, etc. - are billed at cost.

Project-related travel with company or private vehicles is at the rate of \$0.20 per mile.

EXHIBIT "D"

WORK BY CITY CONSULTANT

Construction Administration

The construction contract administration services shall include but not be limited to the following:

1. Enforce construction contract requirements.
 - a) provide continuous inspection of project construction and assure conformance by the contractor to the contract drawings and specifications
 - b) provide a resident engineer experienced in the type of work to be done
 - c) provide additional engineers and inspectors, or assistants, as necessary to assure that the provisions of the contract documents are being fulfilled.
 - d) Be present on the job site at all times the contractor is performing work except when required to attend off-site meetings or except such times as presence deemed unnecessary by the Principal Construction Engineer.
2. Provide construction surveys and staking as necessary to complete the construction within the construction contract requirements.
3. Provide all material testing.
 - A. Initial compliance.
 - a) products made locally such as concrete, fabricated steel, concrete pipe, aggregates, etc. may be sampled and tested at the job site or point of manufacture
 - b) products shipped from outside of the Seattle area such as pipe, cement, etc. may be accepted by proper certificates of compliance and checked by testing samples obtained from the job site
 - c) all materials used in each project are to be tested and the tests documented, except that minor quantities of materials may be accepted by visual observation
 - B. Subsequent compliance.
 - a) all sampling and testing required as the work progresses to ensure proper and continued control of materials
4. Attend preaward conferences.
5. Organize and conduct the preconstruction conference including coordination with all affected agencies, utilities and CITY departments and divisions. Prepare and distribute the minutes of the conference.
6. Prepare progress payments to the contractor.
 - a) verify all pay quantities used for the project construction
 - b) collect and tabulate all quantity delivery tickets
 - c) maintain record of all quantity calculations and substantiating certifications (to be provided monthly to the CITY)
 - d) payment estimate in final format will be prepared by the CITY

EXHIBIT "D" (continued)

Construction Administration (continued)

7. Transmit, route and approve shop drawings and maintain a log thereof.
 8. a) review and make recommendation for approval of required construction schedule provided by the contractor
b) review contract progress in relation to approved progress schedule
c) enforce rescheduling of procedures if contract falls behind schedule
 9. Maintain complete job records - records will include:
 - a) daily reports
 - b) quantity calculations
 - c) as-built records
 - d) coordinate preconstruction and construction progress photographs if requested - photographs will be taken and printed by the CITY
 - e) maintain complete set of updated contract documents including drawings, agreement, proposal, general provisions, special provisions and change orders
 - f) test reports
 - g) survey notes, including cut sheets
 - h) transmittal records
 - i) record of weather and weather days
 - j) payment estimates
 - k) change orders
 - l) shop drawing transmittal records
 - m) construction correspondence
 - n) contractor payrolls if requested
- Consultant must use Seattle Engineering Department standards forms, where applicable, for records and reporting procedures. Forms will be provided by the City.
10. Prepare change orders as necessary. Review proposed costs and make recommendations to the City as applicable.
 11. Maintain liaison between the City and the contractor. Keep the Director of Engineering informed of progress and costs.
 12. Review as-builts records on a regular basis and be sure that they are kept updated.
 13. Maintain a running log of all tests taken, including location, date and results.
 14. Make sure that all materials and/or installation which has failed to pass specified tests are retested and acceptable before final acceptance.
 15. Assure that all materials and equipment meeting specified requirements before allowing installation or placement.
 16. Provide quick response to all field problems and any communication from the contractor.

EXHIBIT "D" (continued)

Construction Administration (continued)

17. Answer all claims submitted by the contractor and/or request for additional cost or extension of time immediately.
18. Feedback information of problems areas to the project engineer immediately so correction can be made at the job site. Problems involving design changes and/or change in construction time must be addressed to the City. Changes in design, cost and/or time must have prior City approval in writing.
19. Resolve complaints and answer questions from all adjoining property owners. This will be on an individual basis and will not include public meetings or requests from community clubs for public meetings, which are to be handled by the CITY.
20. Provide to the contractor requested interpretation of contract plans and specifications.
21. Conduct final inspection in coordination with the project engineering and all affected agencies and utilities including other CITY departments and divisions. Prepare and distribute a formal punch list of items in need of correction and/or completion by the construction contractor.
22. Make final check for satisfactory completion of all punch list items and all construction requirements by the construction contractor. Obtain concurrence from all affected agencies, utilities, departments and divisions.
23. Provide recommendation to the Director of Engineering for acceptance of completion of the construction contract. Include review of the requests for extension of time by the contractor. Include recommendation for assessment of liquidated damages, if applicable, and supplemental contract for plan establishment year, if applicable. Also provide an evaluation of the contractor's performance.
24. Prepare and distribute construction flyers to adjacent property owners.
25. At completion of work, prior to final acceptance, provide the CITY with all completed field books, inspector's diary and marked up set of plans showing as-built conditions and summary tabulations of all installed bid quantity items, all field notes and other job records as listed.
26. Monitor contractor's compliance with affirmative action requirements and training program requirements, if applicable. Coordinate with the City of Seattle Human Rights Department as necessary to assure compliance. Review and make recommendations on all subcontracting approval request.

Seattle
Engineering Department



MEMORANDUM

Date: November 15, 1984
To: City Clerk
From: Joann M. Sullivan, Financial Management *JMS*
Subject: Filing of Task Orders for I-90

Attached is Task Orders #9 and #10 to be filed:

<u>Task Order</u>	<u>Agreement</u>	<u>Ordinance</u>
#9 & #10	GC-7263	111246

JMS:jal

Attachment

FILED
CITY OF SEATTLE
1984 NOV 16 AM 9:26
RECEIVED AND FILED
CITY CLERK

AGREEMENT GC 7263

TASK ORDER NO. 9

This Task Order, made and entered into this 29th day of October, 1984, between the STATE OF WASHINGTON, DEPARTMENT OF TRANSPORTATION, hereinafter referred to as the "STATE" and the CITY of SEATTLE, hereinafter referred to as the "CITY";

WHEREAS, Master Agreement GC 7263, entered into between the STATE and the CITY on August 8, 1983, is incorporated and by this reference made a part of this Task Order as if fully set forth herein.

NOW THEREFORE, it is mutually agreed as follows:

1. The work proposed under this Task Order contemplates a contract advertised and awarded by the City for the removal, adjustment and/or the relocation of certain facilities as described in the Master Agreement under items:

- 2.2.15 12 inch temporary sewer from 24th Avenue South to Martin Luther King Way South on South Irving Street. (See Item 9.)
- 3.1.1 8 inch waterline loop in South Judkins Street from 20th Avenue South to 24th Avenue South
- 3.2.1 A trunk sewerline from 23rd Avenue South to Rainier Avenue South on South Judkins Street
- 3.2.3 Construct South Judkins Street in conjunction with utility relocations
- 4.2.5 Storm sewer system connecting to the storm detention pond at Rainier Avenue South
- 4.2.7 South Judkins Street storm sewer from Rainier Avenue South to 24th Avenue South

2. Work To Be Performed By the State:

None

3. Work To Be Performed By the City:

Work by Seattle Engineering Department - Administer the contract, conduct the preconstruction meeting, provide "on site" inspection, respond to State requests, prepare and submit monthly billings, prepare change orders and review and coordinate all change orders and shop drawings.

Work by Seattle Water Department - Coordinate and perform all needed water shut-downs, make all needed new water main connections to existing line, kill water services, provide temporary water mains, transfer water services, cut and cap water mains and hydrant removal and abandon.

Work by Seattle City Light - Remove, install or adjust electrical powerlines and attend preconstruction conference.

4. Exhibit "A", Specifications and Special Considerations, Exhibit "B", Estimate of Cost and Exhibit "C", vicinity map, are attached hereto and by this reference made a part of this Task Order.
5. The CITY is currently preparing contract plans and special provisions for the itemized work covered by this Task Order. Said plans and special provisions, upon completion, and after approval by the STATE, shall become a part of this Task Order for all intents and purposes as if fully set forth herein.
6. Financial Responsibility and Other Funding Sources
The STATE is responsible for 100 percent of the costs covered by this Task Order. Some items detailed in Exhibit "B" are not under interstate completion. These items are delineated as 4R Funding.
7. Payment
Payment under this Task Order will be made on actual direct and related indirect costs in accordance with Section IV, PAYMENT of the Master Agreement.

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8. Miscellaneous

In accordance with the terms of Master Construction Agreement GC 7263, the CITY and STATE shall enter into a separate easement agreement to perpetuate existing or replacement property rights of the CITY, and to define the location and conditions of said easement.

9. Adjustments to Master Construction Agreement

Portions of some items of work under this task order have changed due to engineering judgments, feasibility studies and other State criteria. See Exhibit "A" for specifics.

IN WITNESS WHEREOF, parties hereto have executed this Task Order as of the day and year first above written.

CITY OF SEATTLE

By: *Samuel M. Linton*
Superintendent of Water

Date: 10/22/84

By: *Eugene V. Cheney*
Director of Engineering

Date: Oct 17, 1984

By: *M. J. Macdonald*
for Superintendent of City Light

Date: 10/22/84

STATE OF WASHINGTON
DEPARTMENT OF TRANSPORTATION

By: *Charles L. Hammer*
Project Development Engineer

Date: 10-29-84

GC 7263

TASK ORDER NO. 9

EXHIBIT "A"

SPECIFICATIONS AND SPECIAL CONSIDERATIONS

The work proposed under this Agreement contemplates the removal, adjustment and/or relocation of water, power, sewer, street, drainage, walkways and traffic facilities as described herein and shown on Exhibit "C".

WORK TO BE PERFORMED BY THE STATE

NONE

WORK TO BE PERFORMED BY THE CITY

Install channelization and signing as needed, street and alley reconstruction, make driveway and walkway adjustments and construct rock facing.

1. Sheet 2 of 12

- a) Construct approximately 330 feet of 12 inch diameter storm drain pipe
- b) Construct approximately 255 feet of 8 inch diameter sanitary sewer pipe
- c) Construct approximately 195 feet of 8 inch diameter waterline
- d) Construct four manholes

2. Sheet 3 of 12

- a) Construct approximately 302 feet of 24 inch diameter storm drain pipe
- b) Construct approximately 298 feet of 18 inch diameter storm drain pipe
- c) Construct approximately 582 feet of 24 inch diameter sanitary sewer pipe
- d) Construct approximately 50 feet of 8 inch diameter sanitary sewer pipe
- e) Construct six manholes

3. Sheet 4 of 12

- a) Construct approximately 225 feet of 24 inch diameter sanitary sewer
- b) Construct approximately 120 feet of 8 inch diameter sanitary sewer
- c) Construct approximately 320 feet of 10 inch diameter sanitary sewer
- d) Construct approximately 100 feet of 6 inch diameter side sanitary sewer
- e) Construct approximately 486 feet of 18 inch storm drain
- f) Construct approximately 60 feet of 8 inch storm drain
- g) Construct approximately 90 feet of 6 inch storm drain
- h) Construct approximately 110 feet of 12 inch storm drain
- i) Construct three manholes

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TASK ORDER NO. 9

EXHIBIT "A" (continued)

WORK TO BE PERFORMED BY THE CITY (continued)

4. Sheet 5 of 12
 - a) Construct approximately 655 feet of 12 inch diameter storm drain pipe
 - b) Construct approximately 15 feet of 6 inch diameter storm drain pipe
 - c) Construct approximately 235 feet of 8 inch diameter sanitary sewer
 - d) Construct approximately 557 feet of 8 inch diameter waterline
 - e) Construct five manholes
5. Sheet 6 of 12
 - a) Construct approximately 25 feet of 6 inch diameter sanitary sewer
 - b) Construct approximately 245 feet of 4 inch diameter force main line
 - c) Construct one temporary pump station
 - d) Construct approximately 320 feet of 8 inch diameter sanitary sewer (see Sheet 11 of 12)
6. Sheet 7 of 12
 - a) Remove and/or abandon 8 inch diameter sanitary sewer
 - b) Remove and/or abandon 230 KV 10 inch steel casing, 8 inch diameter waterline and 4 inch diameter gasline as per plans
7. Sheet 8 of 12
 - a) Remove and/or abandon 30 inch diameter sanitary sewer
 - b) Remove and/or abandon 8 inch diameter waterline, 8 inch diameter sanitary sewer, 6 inch diameter storm drain, 6 inch diameter gasline and 8 inch diameter gasline as per plans
8. Sheet 9 of 12
 - a) Remove and/or abandon 8 inch diameter sanitary sewer
9. Sheet 10 of 12
 - a) Remove and/or abandon 4 inch diameter gasline, 8 inch diameter sanitary sewer, 8 inch diameter waterline and 230 KV 10 inch steel casing
10. Sheet 11 of 12
 - a) Remove and/or abandon 640 feet of 8 inch diameter sanitary sewer
 - b) Construct approximately 320 feet of 8 inch diameter sanitary sewer, 25 feet of 6 inch diameter sanitary sewer and 245 feet of 4 inch diameter force main (see Sheet 6 of 12)

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TASK ORDER NO. 9

EXHIBIT "A" (continued)

WORK TO BE PERFORMED BY THE CITY (continued)

11. Sheet 12 of 12

- a) Remove 21 poles
- b) Remove 13 luminaires
- c) Remove all overhead wires as shown in Exhibit "C"
- d) Remove seven transformers

SALVAGE

All material removed by the CITY, or its contractor, shall be reclaimed or disposed of by the CITY, or its contractor, and shall be credited to the STATE in accordance with Federal-Aid Highway Program Manual PPM 30-4. The CITY, and its contractor shall furnish written notice to the STATE for the time and place the materials will be available for inspection. An estimate of the salvage credit is included in the Estimate of Cost.

Although there is some salvage value in power lines, the cost of removal exceeds the salvage value. The lines to be removed are in close proximity to energized lines and for safety reasons it is necessary for the CITY to remove the lines.

The removal cost of the hydrants exceeds the scrap value. However, the hydrant removal is for the safety and welfare of the public.

Those materials removed by the CITY contractor will become the property of the CITY contractor. The salvage value shall be reflected in the contractor's bid price.

DISCONNECT AND REMOVAL

The CITY facilities abandoned within the limits of the STATE right-of-way shall be removed by the STATE contractor at STATE expense. The STATE shall assume full responsibility for and disposition of the abandoned CITY facilities upon disconnection and abandonment of said CITY facilities. It is agreed that the abandoned facilities to be removed by the STATE contractor shall have no salvage value to the CITY.

Some abandoned CITY utility facilities will be removed from the old street right-of-way now incorporated within the turnback right-of-way. The abandoned utility facilities, if not removed, become obstructions to the new CITY utility facilities

EXHIBIT "A" (continued)

DISCONNECT AND REMOVAL (continued)

to be constructed under this task order, therefore, in some instances existing underground facilities will be removed. Some facilities, in less dense areas, will be filled and abandoned in place.

BETTERMENTS

The adjustment of CITY facilities, as required herein does not constitute a betterment as defined in Federal-Aid Highway Program Manual PPM 30-4.

EXPIRED SERVICE LIFE

Adjustment of CITY facilities does not involve a credit due for the value of expired service life of the facilities being replace.

ITEM VARIATION FROM MASTER CONSTRUCTION AGREEMENT

Item 2.2.15 in the Master Construction Agreement calls for a 12 inch temporary sewer from 24th Avenue South to Martin Luther King Way South on South Irving Street.

The preliminary engineering design determined a more feasible route was to place a temporary force main with a temporary pump station on 24th Avenue South between South Judkins Place and South Irving Street and a temporary 8 inch sewerline on South Judkins between 24th Avenue South and 23rd Avenue South.

This change also allows the State preload contract to continue on schedule.

EXHIBIT "B"

ESTIMATE OF COST

The noted engineering labor classifications, direct salary rates and overhead rates are used as the basis of estimating engineering activities described in this Agreement. All the above rates are subject to change. The engineer's estimate is based upon the third quarter of 1984 quantities and unit prices.

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
1.0 MATERIAL				
1	L.S.	Mobilization	\$96,180.00	\$ 96,180
1	L.S.	Clearing and Grubbing	4,500.00	4,500
1000	Hr.	Training	1.50	1,500
475	C.Y.	Excavation, Common	13.00	6,175
2002	Ton	Borrow, Common	13.00	26,026
1905	C.Y.	Embankment Compaction	2.00	3,810
2032	S.F.	Rock Facing	17.00	34,544
440	Ton	Mineral Aggregate, Type 1 or 2	19.00	8,360
1373	C.Y.	Mineral Aggregate, Type 17	16.00	21,968
730	Ton	Pavement Base, Asphalt Treated	52.00	37,960
581	Ton	Pavement, Asphalt Concrete Class B	70.00	40,670
135	L.F.	Curb, Extruded Asphalt Concrete	13.00	1,755
20	S.F.	Steps, Cement Concrete	19.00	380
2758	S.Y.	Pavement, Cement Concrete, Class 5(1-1/2), 8 inch	28.00	77,224
25	S.Y.	Pavement Base, Cement Concrete, Class 5 (1-1/2), 7 inch	28.00	700
4	C.Y.	Wall, Cement Concrete, Edge Type 104 B	234.00	936
1356	L.F.	Curb, Cement Concrete	10.00	13,560

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TASK ORDER NO. 9

ESTIMATE OF COST (continued)

1.0 MATERIAL (continued)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
1746	L.F.	Curb and Gutter, Cement Concrete	12.00	20,952
88	S.Y.	Driveway, Cement Concrete, 6 inch	26.00	2,288
31	S.Y.	Driveway, Cement Concrete, 8 inch	31.00	961
1886	S.Y.	Sidewalk, Cement Concrete	21.00	39,606
1252	L.F.	Sidewalk Thickened Edge	2.00	2,540
13	Ea.	Curb Ramp, Cement Concrete	260.00	3,380
136	Ea.	Lane Marker, Type 1	3.00	408
55623	S.F.	Erosion Control, Hydro-Seeding	1.00	55,623
1	L.S.	Landscape, Establish Min. Bid (\$1,000)	1,000.00	1,000
113	Ea.	Shurb, Deciduous Evergreen, 5 gallon	33.00	3,729
750	Ea.	Ground Cover, 4 in pot	4.00	3,000
29	Ea.	Ground Cover, 1 gallon	7.00	203
30	C.Y.	Mulch, Bark	32.00	960
215	L.F.	Edging, Cedar	4.00	860
1	L.S.	Repair Portion of Irrigation System	520.00	520
2	Ea.	Relocate Monument	130.00	260
101	S.Y.	Remove Pavement	10.00	1,010
230	L.F.	Remove Curb	4.00	920
610	S.Y.	Remove Cement Concrete Sidewalk	8.00	4,880
1	L.S.	Remove Stairway	3,200.00	3,200
14	Ea.	Remove Tree	195.00	2,730
320	L.F.	Remove Pipe	7.00	2,240
1	Ea.	Remove Manhole	390.00	390

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TASK ORDER NO. 9

ESTIMATE OF COST (continued)

1.0 MATERIAL (continued)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
2	Ea.	Remove Catch Basin or Sand Box	260.00	520
2	Ea.	Remove Inlet	130.00	260
14	L.F.	Remove 54 inch Pipe Sewer Combined	130.00	1,820
4	Ea.	Remove Wood Pole	260.00	1,040
1785	S.F.	Remove Retaining and Concrete Walls	13.00	23,205
1	L.S.	Remove Street Lighting	1,300.00	1,300
2	Ea.	Remove Sign Traffic	95.00	190
3	Ea.	Remove Luminaire, Bracket Arm	130.00	390
1	L.S.	Remove Fence	130.00	130
1	L.S.	Remove Beam Guard Rail	260.00	260
12	L.F.	Saw Concrete, 2 inch Minimum Depth	10.00	120
5	L.F.	Saw Asphalt, Full Depth	4.00	20
2	Ea.	Abandon Manhole	325.00	650
1	Ea.	Abandon Catch Basin	195.00	195
1	Ea.	Abandon Inlet	130.00	130
780	L.F.	Fill and Abandon Pipe	9.00	7,020
9	Ea.	Adjust MH, CB or VC	260.00	2,340
1	Ea.	Adjust Monument Frame and Cover	195.00	195
23	C.Y.	Pavement Patch, Cement Concrete	156.00	3,588
112	Ton	Pavement Patch, Temp. MC 250	52.00	5,824
90	C.Y.	Planting Soil	32.00	2,880
13448	S.F.	Sodding	2.00	26,896
178	L.F.	Bedding, Class B, 6 inch Pipe	3.00	534

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TASK ORDER NO. 9

ESTIMATE OF COST (continued)

1.0 MATERIAL (continued)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
1580	L.F.	Bedding, Class B, 8 inch Pipe	4.00	6,320
1092	L.F.	Bedding, Class B, 12 inch Pipe	5.00	5,460
825	L.F.	Bedding, Class B, 18 inch Pipe	7.00	5,775
1154	L.F.	Bedding, Class B, 24 inch Pipe	8.00	9,232
14	L.F.	Bedding, Class B, 54 inch Pipe	13.00	182
1	L.S.	Pipe (Junction Structure No. 1) Concrete Reinforced, 54 inch	15,000.00	15,000
15	L.F.	Pipe, PSD, Concrete C14, Class 3, 6 inch	23.00	345
28	L.F.	Pipe, PSD, Concrete C14, Class 3, 8 inch	23.00	644
1092	L.F.	Pipe, PSD, Concrete Reinforced, C76, Class IV, 12 inch	23.00	25,116
825	L.F.	Pipe, PSD, Concrete Reinforced, C76, Class III, 18 inch	33.00	27,225
223	L.F.	Pipe, PSD, Concrete Reinforced, C76, Class III, 24 inch	58.00	12,934
79	L.F.	Pipe, PSD, Ductile Iron, Class 50, 24 inch	58.00	4,582
980	L.F.	Pipe, PS, Concrete C14, Class 3, 8 inch	23.00	22,540
852	L.F.	Pipe, PS, Concrete, C76, Class III, 24 inch	58.00	49,416
1	Ea.	Tee, Concrete, 6 inch	78.00	78
8	Ea.	Tee, Concrete, 8 inch	104.00	832

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TASK ORDER NO. 9

ESTIMATE OF COST (continued)

1.0 MATERIAL (continued)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
2	Ea.	Tee, Concrete, 6 inch Graft On Pipe	325.00	650
2	Ea.	Tee, Concrete, 8 inch Graft On Pipe	390.00	780
8	Ea.	Manhole, Type 130	2,600.00	20,800
5	Ea.	Manhole, Type 132	3,250.00	16,250
4	Ea.	Manhole, Type 133	3,250.00	13,000
5	V.F.	Extra Depth, Manhole, Type 130	195.00	975
39	V.F.	Extra Depth, Manhole, Type 132	234.00	9,126
21	V.F.	Extra Depth, Manhole, Type 133	234.00	4,914
2	Ea.	Rechannel Manhole	650.00	1,300
1	Ea.	Catch Basin, Type 152	2,600.00	2,600
1	Ea.	Catch Basin, Type 171A	2,600.00	2,600
4	Ea.	Catch Basin, Type 171B	2,600.00	10,400
1	Ea.	Inlet, Type 166	1,000.00	1,000
73	L.F.	Pipe, SSS, Concrete C14, Class 3, 6 inch	23.00	1,679
90	L.F.	Pipe, SD, Concrete C14, Class 3, 6 inch	23.00	2,070
60	L.F.	Pipe, SD, Concrete C14, Class 3, 8 inch	26.00	1,560
8	Ea.	Tee, Test, Concrete, 8 inch	156.00	1,248
187	L.F.	Pipe, CB Conn., Concrete C14, Class 3, 8 inch	26.00	4,862
25	L.F.	Pipe, Inlet Conn., Concrete C14, Class 3, 8 inch	26.00	650
1035	L.F.	Pipe, WM, DIP Class 52, 8 inch Including Fittings	52.00	53,820

ESTIMATE OF COST (continued)

1.0 MATERIAL (continued)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
385	L.F.	Pipe, WM, DIP Class 52, Flexible Tension Joint, 8 inch Including Fittings	65.00	25,025
6	C.Y.	Blocking, Cement Concrete	130.00	780
2	Ea.	Bond, Electrical Continuity	195.00	390
4	Ea.	Station, Cathodic Protection	780.00	3,120
5	Ea.	Valve, Gate, 8 inch	780.00	3,900
1	Ea.	8 inch Tapping Gate Valve, with 8 inch Tapping Sleeve	2,600.00	2,600
6	Ea.	Valve Box, Cast Iron	117.00	702
4	Ea.	Hydrant, 6 inch Conn., Type 180	1,820.00	7,280
30	L.F.	Pipe, Hydrant Conn., Ductile Iron, Class 52, 6 inch	26.00	780
8	Ea.	Luminaire, High Pressure Sodium 200 W	455.00	3,640
1	L.S.	Wire, Street Lighting	2,300.00	2,300
7	Ea.	Pole, Steel, Davit	2,600.00	18,200
8	Ea.	Foundation, Street Light	715.00	5,720
1145	L.F.	Conduit, PVC, 2 inch	4.00	4,580
7	L.F.	Conduit, RSC, 1-1/2 inch	10.00	70
1145	L.F.	Trenching Conduit	8.00	9,160
1	Ea.	Conduit Riser, 1-1/2 inch	390.00	390
3	Ea.	Handhole, Type 2	390.00	1,170
36	S.F.	Sign, Traffic	39.00	1,404
8	Ea.	Post, Traffic Sign	65.00	520
3	Ea.	Post, Street Name	97.00	291
3	Ea.	Relocate Sign, Street Name	130.00	390

ESTIMATE OF COST (continued)

1.0 MATERIAL (continued)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
1020	L.F.	Pavement Marking, Paint, 4 inch Stripe	2.00	2,040
28	L.F.	Pavement Marking, Paint 8 inch Stripe	4.00	112
24	L.F.	Pavement Marking, Thermo, 8 inch Stripe	8.00	192
Sub Total				\$1,038,100
Sales Tax @ 7.9%				82,010
Sub Total				\$1,120,110
Engineering @ 30%				336,033
Sub Total - 1.0				\$1,456,143

2.0 4R FUNDED PORTION

1	L.S.	Landscape Establish Minimum Bid	\$ 4,500.00	\$ 4,500
24	Ea.	Tree, Evergreen, 6 to 8 foot	260.00	6,240
65	Ea.	Tree, Deciduous, 2 to 3 inch Gallon	260.00	16,900
1	Ea.	Adjust Tree	260.00	260
Sub Total				\$ 27,900
Sales Tax @ 7.9%				2,204
Sub Total - 2.0				30,104

ESTIMATE OF COST (continued)

3.0 WATER DEPARTMENT FORCES INSTALLED

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>3.1 LABOR</u>				
300	Hr.	Pipe Worker	\$ 11.43	\$ 3,429
300	Hr.	Lead Pipe Worker	12.02	3,606
200	Hr.	Backhoe Operator	12.47	2,494
200	Hr.	Driver	11.88	2,376
		Sub Total		\$ 11,905
		Overhead and Fringe Factor @ 88%		10,476
		Sub Total 3.1		\$ 22,381

<u>3.2 EQUIPMENT</u>				
200	Hr.	Backhoe	\$ 40.00	8,000
200	Hr.	Dump Truck	23.00	4,600
250	Hr.	Service Truck	12.00	3,000
		Sub Total 3.2		15,600

<u>3.3 MATERIAL INSTALLED</u>				
8	Ea.	Fire Hydrant	\$ 478.00	3,824
8	Ea.	Tapping Sleeve	187.00	1,496
8	Ea.	Tapping Valve	76.00	608
80	L.F.	Ductile Iron Pipe	6.10	488
8	Ea.	Standard Valve Box	95.00	760
16	Ea.	Steel Plate	4.00	64
8	Ea.	Hydrant Bleeder	5.00	40
8	Ea.	M. J. Cap	60.00	480
8	Ea.	Concrete Block	43.00	344

ESTIMATE OF COST (continued)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>		<u>AMOUNT</u>
3.3 MATERIAL INSTALLED (continued)					
16	C.Y.	Crushed Rock	10.00	160	
8	Est.	Permanent Street Repair	500.00	4,000	
		Sub Total		\$ 12,264	
		Sales Tax @ 7.9%		969	
		Sub Total		\$ 13,233	
		Stores Expense @ 18%		2,382	
		Sub Total 3.3			15,615
		Sub Total 3.0			53,596
4.0 WATER DEPARTMENT FORCES REMOVAL					
4.1 LABOR					
30	Hr.	Pipe Worker	\$ 11.43	\$ 343	
30	Hr.	Lead Pipe Worker	12.02	361	
20	Hr.	Backhoe Operator	12.47	249	
20	Hr.	Driver	11.88	238	
		Sub Total		\$ 1,191.00	
		Overhead and Fringe Factor @ 88%		1,048	
		Sub Total 4.1			\$ 2,239
4.2 EQUIPMENT					
20	Hr.	Backhoe	\$ 40.00	\$ 800	
20	Hr.	Dump Truck	23.00	460	
25	Hr.	Service Truck	12.00	300	
		Sub Total 4.2			1,560

Cl

ESTIMATE OF COST (continued)

4.0 WATER DEPARTMENT FORCES REMOVAL (continued)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>	
4.3 <u>WATER HYDRANT</u>					
4	Ea.	Fire Hydrant	\$ 281.00	\$	1,124
4	Ea.	Standard Valve Box	20.00		80
4	Ea.	Hydrant Bleeder	5.00		20
4	Est.	Permanent Street Opening	95.00		380
		Sub Total 4.3			1,604
		Sub Total - 4.0			5,403

5.0 SEATTLE CITY LIGHT

5.1 LABOR - OVERHEAD ESTIMATE REMOVAL

5.1.1 South Day Street - Martin Luther King Jr. Way South to 21st Avenue South

Overhead Line Crew

48	Hr.	Line Crew Chief	\$ 17.96	\$	862
192	Hr.	Lineworker	15.99		3,070
48	Hr.	Apprentice Lineworker	15.20		730
48	Hr.	Materialman	12.84		616
144	Hr.	Line Helper	12.05		1,735

Overhead Pole Crew

13	Hr.	Pole Crew Chief	17.96		233
13	Hr.	Lineworker	15.99		208
26	Hr.	Electrical Helper	12.05		313
26	Hr.	Pole Digger Operator	14.41		375
		Sub Total 5.1.1		\$	8,142

ESTIMATE OF COST (continued)

5.0 SEATTLE CITY LIGHT (continued)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
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5.1.2 South Judkins Street - 23rd Avenue South to 24th Avenue South

Overhead Line Crew

2.25	Hr.	Line Crew Chief	\$ 17.96	\$ 40
10	Hr.	Lineworker	15.99	160
2.25	Hr.	Apprentice Lineworker	15.20	34
2.25	Hr.	Materialman	12.84	29
6.75	Hr.	Line Helper	12.05	81
Sub Total 5.1.2				\$ 344

5.1.3 23rd Avenue South - South Day Street to Two Poles North

Overhead Line Crew

6	Hr.	Line Crew Chief	\$ 17.96	\$ 108
24	Hr.	Lineworker	15.99	384
6	Hr.	Apprentice Lineworker	15.20	91
6	Hr.	Materialman	12.84	77
18	Hr.	Line Helper	12.05	217
Sub Total 5.1.3				\$ 877

5.1.4 24rd Avenue South - South Day Street to Two Poles North

Overhead Line Crew

6	Hr.	Line Crew Chief	\$ 17.96	\$ 108
24	Hr.	Lineworker	15.99	384
6	Hr.	Apprentice Lineworker	15.20	91
6	Hr.	Materialman	12.84	77
18	Hr.	Line Helper	12.05	217
Sub Total 5.1.4				\$ 877

ESTIMATE OF COST (continued)

5.0 SEATTLE CITY LIGHT (continued)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
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5.1.5 26rd Avenue South - South Day Street to Three Poles North

Overhead Line Crew

9	Hr.	Line Crew Chief	\$ 17.96	\$ 162
36	Hr.	Lineworker	15.99	576
9	Hr.	Apprentice Lineworker	15.20	137
9	Hr.	Materialman	12.84	116
27	Hr.	Line Helper	12.05	325

Sub Total 5.1.5 1,316

Sub Total \$ 11,556

Labor Benefits @ 46% 5,316

Sub Total \$ 16,872

Overhead @ 15% 2,531

Sub Total - 5.1 \$ 19,403

5.2 ENGINEERING

24	Hr.	Senior Electrical Engineer	\$ 19.68	\$ 472
40	Hr.	Electrical Spec. III	15.31	612

Sub Total \$ 1,084

Labor Benefits @ 46% 499

Sub Total \$ 1,583

Overhead @ 15% 237

Sub Total 5.2 1,820

ESTIMATE OF COST (continued)

5.0 SEATTLE CITY LIGHT (continued)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
5.3 MATERIAL				
280	L.F.	No. 4 Poly Wire	\$.16	45
1	Ea.	Down Guy With Anchor	85.00	85
1	Ea.	Pipe Brace With Anchor	115.00	115
1	Ea.	Dead End, 27 KV, Insulator	5.00	5
1	Ea.	Automatic Dead End Connection	3.00	3
1	L.S.	Miscellaneous Material	30.00	30
		Sub Total		\$ 283
		Material Handling @ 22%		62
		Sub Total 5.3		345
5.4 TRANSPORTATION				
486	Hr.	Manhours (loaded rate)	\$ 4.30	\$ 2,090
		Sub Total		\$ 2,090
		Overhead @ 15%		314
		Sub Total 5.4		2,404
5.5 SALVAGE*				
1133	Lb.	#4 Bare Copper Wire (8090 L.F. @ .14 lb/L.F.)	\$.44	\$ 499
286	Lb.	#2 Bare Copper Wire (1300 L.F. @ .22 lb/L.F.)	.44	126
18	Lb.	#6 Bare Copper Wire (200 L.F. @ .09 lb/L.F.)	.44	8
		Sub Total 5.5		(633)
		Sub Total 5.0		23,339

* No credit for poles, they were placed 1929 through 1954. No credit for transformers (pay for removal, not replacing with new).

GC7263
TASK ORDER NO. 9

ESTIMATE OF COST (continued)6.0 PUMP STATION

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
6.1 <u>INSTALLATION</u>				
1	L.S.	Mobilization	\$ 2,900.00	\$ 2,900
21	S.Y.	Sidewalk Cement Concrete	21.00	441
1	Ea.	Reset Monument Frame and Cover	130.00	130
300	S.Y.	Remove Pavement	10.00	3,000
21	S.Y.	Remove Sidewalk	8.00	168
1	Ea.	Abandon Inlet	130.00	130
25	C.Y.	Pavement Patch, Cement Concrete	156.00	3,900
30	Ton	Pavement Patch, MC250	52.00	1,560
1900	S.F.	Sodding	2.00	3,800
33	L.F.	Bedding, Class B, 6 inch Pipe	3.00	99
319	L.F.	Bedding, Class B, 8 inch Pipe	4.00	1,276
319	L.F.	Sanitary Pipe, 8 inch	23.00	7,337
329	L.F.	Increase 8 inch Sanitary to 10 inch Sanitary	4.00	1,316
1	Ea.	Concrete Tee, 6 inch	78.00	78
1	Ea.	Manhole, Type 132	3,250.00	3,250
1	Ea.	Manhole, Type 133	3,250.00	3,250
2	V.F.	Extra Depth Manhole, Type 132	234	468
7	V.F.	Extra Depth Manhole, Type 133	234	1,638
33	L.F.	Sanitary Sewer, 6 inch	23.00	759
256	L.F.	4 inch PVC Force Main Pipe	10.00	2,560

ESTIMATE OF COST (continued)

6.0 PUMP STATION (continued)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
300	L.F.	CB Connection, 8 inch Concrete Pipe	26.00	7,800
1	L.S.	Pump Station	<u>11,375.00</u>	<u>\$ 11,375</u>
		Sub Total		57,235
		Sales Tax @ 7.9%		<u>4,522</u>
		Sub Total		<u>\$ 61,757</u>
		Engineering @ 30%		<u>18,527</u>
		Sub Total 6.0		<u>80,284</u>
		TOTAL - 100% STATE COST		<u><u>\$1,648,869</u></u>

SUMMARY

1.0 Material	\$1,456,143
2.0 4R Funds	30,104
3.0 Water Department Forces Installed	53,596
4.0 Water Department Forces Removed	5,403
5.0 Seattle City Light	23,339
6.0 Pump Station	<u>80,284</u>
TOTAL - 100 % STATE COST	<u><u>\$1,648,869</u></u>

AGREEMENT GC 7263

TASK ORDER NO. 10

This Task Order, made and entered into this 29th day of October, 1984, between the STATE OF WASHINGTON, DEPARTMENT OF TRANSPORTATION, hereinafter referred to as the "STATE" and the CITY of SEATTLE, hereinafter referred to as the "CITY";

WHEREAS, Master Agreement GC 7263, entered into between the STATE and the CITY on August 8, 1983, is incorporated and by this reference made a part of this Task Order as if fully set forth herein.

NOW THEREFORE, it is mutually agreed as follows:

1. The City contemplates a contract purchase order awarded by the City for installation (covered under Task Order No. 9) and maintenance and operation (covered under this task order) for certain facilities as described in the Master Agreement under the following:
 - 2.2.15 12 inch temporary sewer from 24th Avenue South to Martin Luther King Way South on South Irving Street. (See Item 9.)
 - 6.0 Miscellaneous - operate and maintain a temporary sewer pump station located between South Irving Street and South Judkins Street on 24th Avenue South. The temporary pump station was constructed under Agreement GC 7263, Task Order No. 9. The temporary pump station will be operated between the dates of June 1, 1985 to December 31, 1991.
2. Work To Be Performed By the State:

None
3. Work To Be Performed By Seattle Engineering Department:

Administer the contract, conduct the preconstruction meeting, provide "on site" inspection, respond to State requests, prepare and submit monthly billings, prepare change orders and review and coordinate all change orders and shop drawings.
4. Exhibit "A", Specifications and Special Considerations, Exhibit "B", Estimate of Cost and Exhibit "C", vicinity map, are attached hereto and by this reference made a part of this Task Order.

5. The CITY is currently preparing contract plans and special provisions for the itemized work covered by this Task Order. Said plans and special provisions, upon completion, and after approval by the STATE, shall become a part of this Task Order for all intents and purposes as if fully set forth herein.

6. Financial Responsibility and Other Funding Sources

The STATE is responsible for 100 percent of the costs covered by this Task Order.

7. Payment

Payment under this Task Order will be made on actual direct and related indirect costs in accordance with Section IV, PAYMENT of the Master Agreement.

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TASK ORDER NO. 10

8. Adjustments to Master Construction Agreement

Portions of some items of work under this task order have changed due to engineering judgments, feasibility studies and other State criteria. See Exhibit "A" for specifics.

IN WITNESS WHEREOF, parties hereto have executed this Task Order as of the day and year first above written.

CITY OF SEATTLE

By: Eugene V. Auey
Director of Engineering

Date: Oct 17, 1984

STATE OF WASHINGTON
DEPARTMENT OF TRANSPORTATION

By: Clade S. Hammer
Project Development Engineer

Date: 10-29-84

GC7263

TASK ORDER NO. 10

EXHIBIT "A"

SPECIFICATIONS AND SPECIAL CONSIDERATIONS

WORK TO BE PERFORMED BY THE STATE

NONE

WORK TO BE PERFORMED BY THE CITY

Operate and maintain one temporary pump station from June 1, 1985 to December 31, 1991.

BETTERMENTS

The adjustment of CITY facilities, as required herein does not constitute a betterment as defined in Federal-Aid Highway Program Manual PPM 30-4.

EXPIRED SERVICE LIFE

Adjustment of CITY facilities does not involve a credit due for the value of expired service life of the facilities being replaced.

ITEM VARIATION FROM MASTER CONSTRUCTION AGREEMENT

Item 2.2.15 in the Master Construction Agreement calls for a 12 inch temporary sewer from 24th Avenue South to Martin Luther King Way South on South Irving Street.

The preliminary engineering design determined a more feasible route was to place a temporary force main with a temporary pump station on 24th Avenue South between South Judkins Place and South Irving Street and a temporary 8 inch sewerline on South Judkins between 24th Avenue South and 23rd Avenue South.

This change also allows the State preload contract to continue on schedule.

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EXHIBIT "B"

ESTIMATE OF COST

The City of Seattle engineering labor classifications and the hourly rates are used as the basis of payment for engineering activities described in the agreement. Classification rates reflect the period of August 1984. Rates for 1985 will increase approximately 6.0 percent. The overhead rates may also change.

The following preliminary engineering final design cost estimates are 100 percent STATE cost and are rounded to the nearest dollar.

The CITY has determined that they may not have sufficient personnel to perform the maintenance and operation activities contemplated under this Task Order. The cost estimate was prepared by the CITY using the typical CITY classifications which would perform the work if done by the CITY.

The final cost estimate by the pump station firm shall be submitted to the STATE for review and approval once the firm has been employed.

Final approval of the pump station operation and maintenance costs and approval of the pump station firm to proceed with the order of work shall be by written correspondence.

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ESTIMATE OF COST (continued)

1.0 JUNE 1, 1985 THROUGH DECEMBER 31, 1985 (rates are August 1984 x 1.06,
see Attachment A)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
1.1 Labor				
13	Hr.	Pump Station Maintenance Man	\$ 12.17	158
11	Hr.	Pump Station Maintenance Helper	10.62	117
2	Hr.	Pump Station Machinist	15.25	31
2	Hr.	Senior Electrician	16.72	33
2	Hr.	Electrician	15.78	32
2	Hr.	Electrician Helper	10.84	22
2	Hr.	Pump Station Foreman	17.19	34
		Sub Total		\$ 427
		Overhead @ 90.4%		386
		Sub Total 1.1		\$ 813
1.2 Equipment				
17	Hr.	Van	2.97	50
2	Hr.	Sedan	2.01	4
		Sub Total 1.2		\$ 54
1.3 Electricity				
1	L.S.	Power	\$ 50.00	\$ 50
		Sub Total 1.3		\$ 50
		TOTAL MONTHLY COST		\$ 917
		1985 TOTAL COST (7 x Monthly Cost) - 1.0		\$ 6,419

ESTIMATE OF COST (continued)

2.0 JANUARY 1, 1986 THROUGH DECEMBER 31, 1986 (rates are 1985 x 1.06)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>2.1 Labor</u>				
13	Hr.	Pump Station Maintenance Man	\$ 12.90	\$ 168
11	Hr.	Pump Station Maintenance Helper	11.26	124
2	Hr.	Pump Station Machinist	16.17	32
2	Hr.	Senior Electrician	17.72	35
2	Hr.	Electrician	16.73	33
2	Hr.	Electrician Helper	11.49	23
2	Hr.	Pump Station Foreman	18.22	36
		Sub Total		\$ 451
		Overhead @ 90.4%		408
		Sub Total 2.1		\$ 859
<u>2.2 Equipment</u>				
17	Hr.	Van	\$ 3.15	54
2	Hr.	Sedan	2.13	4
		Sub Total 2.2		\$ 58
<u>2.3 Electricity</u>				
1	L.S.	Power	\$ 53	\$ 53
		Sub Total 2.3		\$ 53
		TOTAL MONTHLY COST		\$ 970
		1986 TOTAL COST (12 x Total Monthly Cost) - 2.0		11,640

ESTIMATE OF COST (continued)

3.0 JANUARY 1, 1987 THROUGH DECEMBER 31, 1987 (rates are 1986 x 1.06)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>3.1 Labor</u>				
13	Hr.	Pump Station Maintenance Man	\$ 13.67	\$ 178
11	Hr.	Pump Station Maintenance Helper	11.94	131
2	Hr.	Pump Station Machinist	17.14	34
2	Hr.	Senior Electrician	18.78	38
2	Hr.	Electrician	17.73	35
2	Hr.	Electrician Helper	12.18	24
2	Hr.	Pump Station Foreman	<u>19.31</u>	<u>39</u>
		Sub Total		\$ 479
		Overhead @ 90.4%		<u>433</u>
		Sub Total 3.1		912
<u>3.2 Equipment</u>				
17	Hr.	Van	\$ 3.34	57
2	Hr.	Sedan	<u>2.26</u>	<u>5</u>
		Sub Total 3.2		<u>\$ 62</u>
<u>3.3 Electricity</u>				
1	L.S.	Power	<u>\$ 56.00</u>	<u>\$ 56</u>
		Sub Total 3.3		<u>\$ 56</u>
		TOTAL MONTHLY COST		<u>\$ 1,030</u>
		1987 TOTAL COST (12 x Total Monthly Cost) - 3.0		\$12,360

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TASK ORDER NO. 10

ESTIMATE OF COST (continued)

4.0 JANUARY 1, 1988 THROUGH DECEMBER 31, 1988 (rates are 1987 x 1.06)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>4.1 Labor</u>				
13	Hr.	Pump Station Maintenance Man	14.49	188
11	Hr.	Pump Station Maintenance Helper	12.66	139
2	Hr.	Pump Station Machinist	18.17	36
2	Hr.	Senior Electrician	19.91	40
2	Hr.	Electrician	18.79	38
2	Hr.	Electrician Helper	12.91	26
2	Hr.	Pump Station Foreman	20.47	41
		Sub Total		\$ 508
		Overhead @ 90.4%		459
		Sub Total 4.1		\$ 967
<u>4.2 Equipment</u>				
17	Hr.	Van	3.54	60
2	Hr.	Sedan	2.40	5
		Sub Total 4.2		\$ 65
<u>4.3 Electricity</u>				
1	L.S.	Power	\$ 59	\$ 59
		Sub Total 4.3		\$ 59
		TOTAL MONTHLY COST		\$ 1,091
		1988 TOTAL COST (12 x Total Monthly Cost) - 4.0		13,095

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TASK ORDER NO. 10

ESTIMATE OF COST (continued)

5.0 JANUARY 1, 1989 THROUGH DECEMBER 31, 1989 (rates are 1988 x 1.06)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
5.1 Labor				
13	Hr.	Pump Station Maintenance Man	15.36	200
11	Hr.	Pump Station Maintenance Helper	13.42	148
2	Hr.	Pump Station Machinist	19.26	38
2	Hr.	Senior Electrician	21.10	42
2	Hr.	Electrician	19.92	40
2	Hr.	Electrician Helper	13.68	27
2	Hr.	Pump Station Foreman	21.70	43
		Sub Total		\$ 538
		Overhead @ 90.4%		486
		Sub Total 5.1		\$ 1,024
5.2 Equipment				
17	Hr.	Van	3.75	64
2	Hr.	Sedan	2.54	5
		Sub Total 5.2		69
5.3 Electricity				
1	L.S.	Power	\$ 63	\$ 63
		Sub Total 5.3		\$ 63
		TOTAL MONTHLY COST		\$ 1,156
		1988 TOTAL COST (12 x Total Monthly Cost) - 5.0		13,872

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TASK ORDER NO. 10

ESTIMATE OF COST (continued)

6.0 JANUARY 1, 1990 THROUGH DECEMBER 31, 1990 (rates are 1989 x 1.06)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
6.1 Labor				
13	Hr.	Pump Station Maintenance Man	\$ 16.27	\$ 212
11	Hr.	Pump Station Maintenance Helper	14.23	157
2	Hr.	Pump Station Machinist	20.42	41
2	Hr.	Senior Electrician	22.37	45
2	Hr.	Electrician	21.12	42
2	Hr.	Electrician Helper	14.50	29
2	Hr.	Pump Station Foreman	23.00	46
		Sub Total		\$ 572
		Overhead @ 90.4%		517
		Sub Total 6.1		\$ 1,089
6.2 Equipment				
17	Hr.	Van	\$ 3.98	68
2	Hr.	Sedan	2.69	5
		Sub Total 6.2		73
6.3 Electricity				
1	L.S.	Power	\$ 67	\$ 67
		Sub Total 6.3		\$ 67
		TOTAL MONTHLY COST		\$ 1,229
		1990 TOTAL COST (12 x Total Monthly Cost) - 6.0		14,748

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TASK ORDER NO. 10

ESTIMATE OF COST (continued)

7.0 JUNE 1, 1991 THROUGH DECEMBER 31, 1991 (rates are August 1990 x 1.06)

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
7.1 Labor				
13	Hr.	Pump Station Maintenance Man	\$ 17.26	224
11	Hr.	Pump Station Maintenance Helper	15.08	166
2	Hr.	Pump Station Machinist	21.65	43
2	Hr.	Senior Electrician	23.71	47
2	Hr.	Electrician	22.39	45
2	Hr.	Electrician Helper	15.37	31
2	Hr.	Pump Station Foreman	24.38	49
		Sub Total		\$ 605
		Overhead @ 90.4%		547
		Sub Total 7.1		\$ 1,152
7.2 Equipment				
17	Hr.	Van	4.22	72
2	Hr.	Sedan	2.85	6
		Sub Total 7.2		\$ 78
7.3 Electricity				
1	L.S.	Power	\$ 71	\$ 71
		Sub Total 7.3		\$ 71
		TOTAL MONTHLY COST		\$ 1,301
		1985 TOTAL COST (12 x Monthly Cost) - 7.0		15,612
		TOTAL - 100% STATE COST		<u>\$87,746</u>

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TASK ORDER NO. 10

ATTACHMENT "A" TO EXHIBIT "B"

OPERATION AND MAINTENANCE OF TEMPORARY PUMP STATION

A temporary pump station will be installed to accommodate the STATE construction sequence.

A temporary pump station became necessary since the facility had to be diverted out of the way of current STATE construction. The permanent sewer facility cannot be built until 1988-1991 after certain highway features are constructed.

Yearly maintenance costs for the temporary pump station are estimated for each year in the period from 1985 through 1991. The estimated costs are subject to change and may not be all inclusive. The CITY will bill the STATE on a monthly basis for actual costs verified by CITY records. The billing will commence when it is necessary to begin operation and maintenance and continue for the specified period of time or until a replacement facility acceptable to the CITY is provided.

The costs, as shown on page 2 of this attachment, denote the labor classifications which may be responsible for the maintenance and are not representative of the work if done by contract and is not intended to be all inclusive and not specific if contracted out. Other classifications may be utilized as necessary. The CITY shall be reimbursed for the operation and maintenance for each classification at an hourly rate. The classification rates reflect the period from June 1, 1985 through December 31, 1991. It is assumed these rates will increase 51% in the period between August 1984 (base rate date) and December 31, 1991. For the years 1984 through 1991, it is assumed the rates will increase 6% per year for inflation. These increases are used as a method to establish estimated costs for this task order.

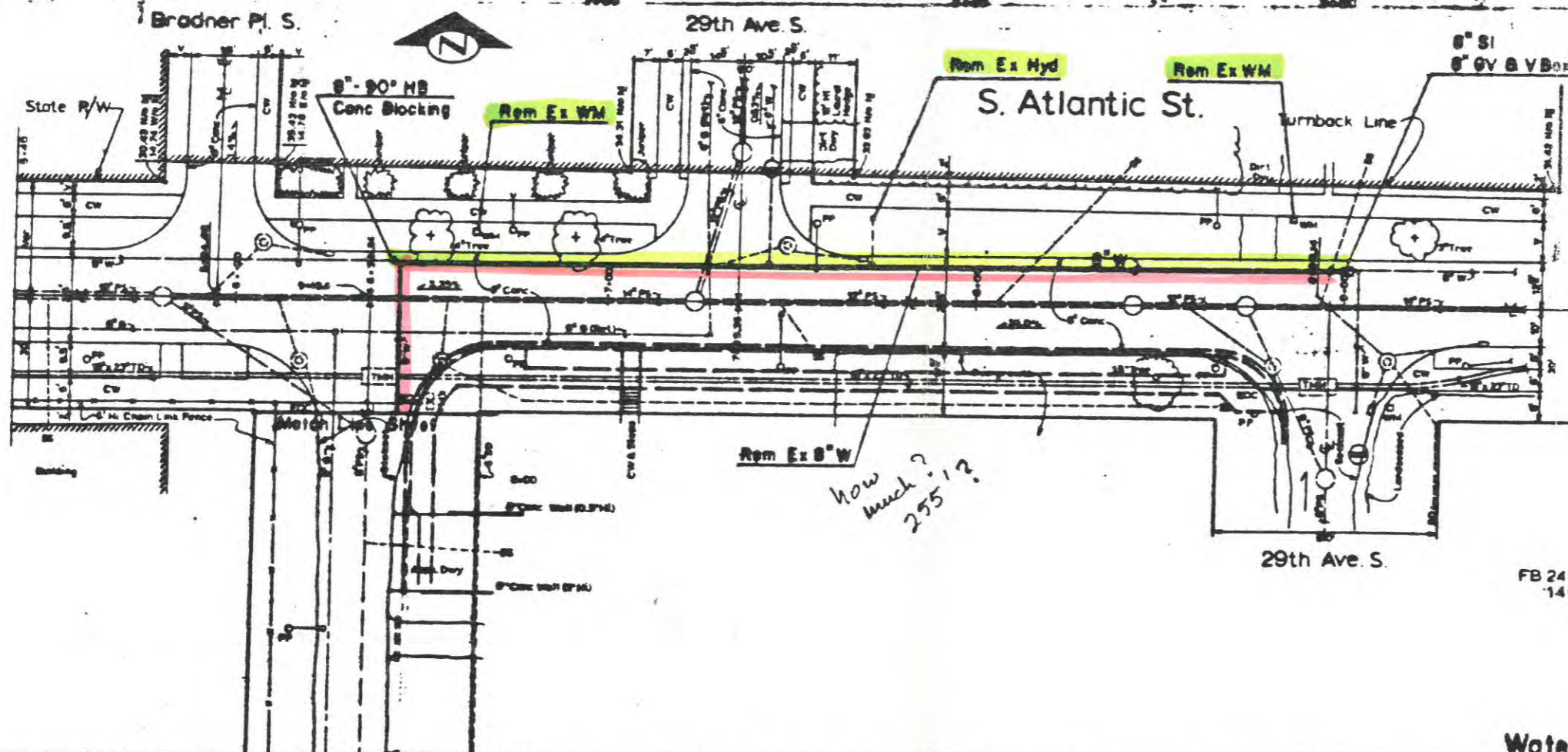
GC7263

AUGUST 1984 - BASE MONTH FOR COMPILING ALL FUTURE COSTS

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>LABOR</u>				
13	Hr.	Pump Station Maintenance Man	\$ 11.48	\$ 149
11	Hr.	Pump Station Maintenance Helper	10.02	110
2	Hr.	Pump Station Machinist	14.39	29
2	Hr.	Senior Electrician	15.77	32
2	Hr.	Electrician	14.89	30
2	Hr.	Electrician Helper	10.23	20
2	Hr.	Pump Station Foreman	16.22	32
		Sub Total		\$ 402
		Overhead @ 90.4%		286
		Sub Total		\$ 765
<u>EQUIPMENT</u>				
17	Hr.	Van	\$ 2.80	\$ 48
2	Hr.	Sedan	1.90	4
		Sub Total		52
<u>ELECTRICITY</u>				
1	L.S.	Power	\$ 50	\$ 50
		Sub Total		50
		TOTAL MONTHLY COST		<u>\$ 867</u>

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TASK ORDER NO. 10



How much? 255'?

FB 2431YY
1463A

EXHIBIT "C" CS 1788

JCT. SR 5 to WEST SIDE MERCEY ISLAND
SO. BRADNER PL. T.S. 48

R.E. YINKE, P.E. LOCATION ENGINEER
R.E. ROCKSTUCK, P.E. DISTRICT ADMINISTRATOR

SHEET OF
4-19

Watermain Improvements
SR 90 - Seattle
Street & Utility Reconstruction
Contract
Bradner Place S. et al
by Sewers, Stormwaters, Watermain, etc

APPROVED FOR ADVERTISEMENT BY THE BOARD OF PUBLIC WORKS 	DATE OF CHECK AND SIGN 	SPECIALS AND SIGN 	THE CITY OF SEATTLE DEPARTMENT OF ENGINEERING
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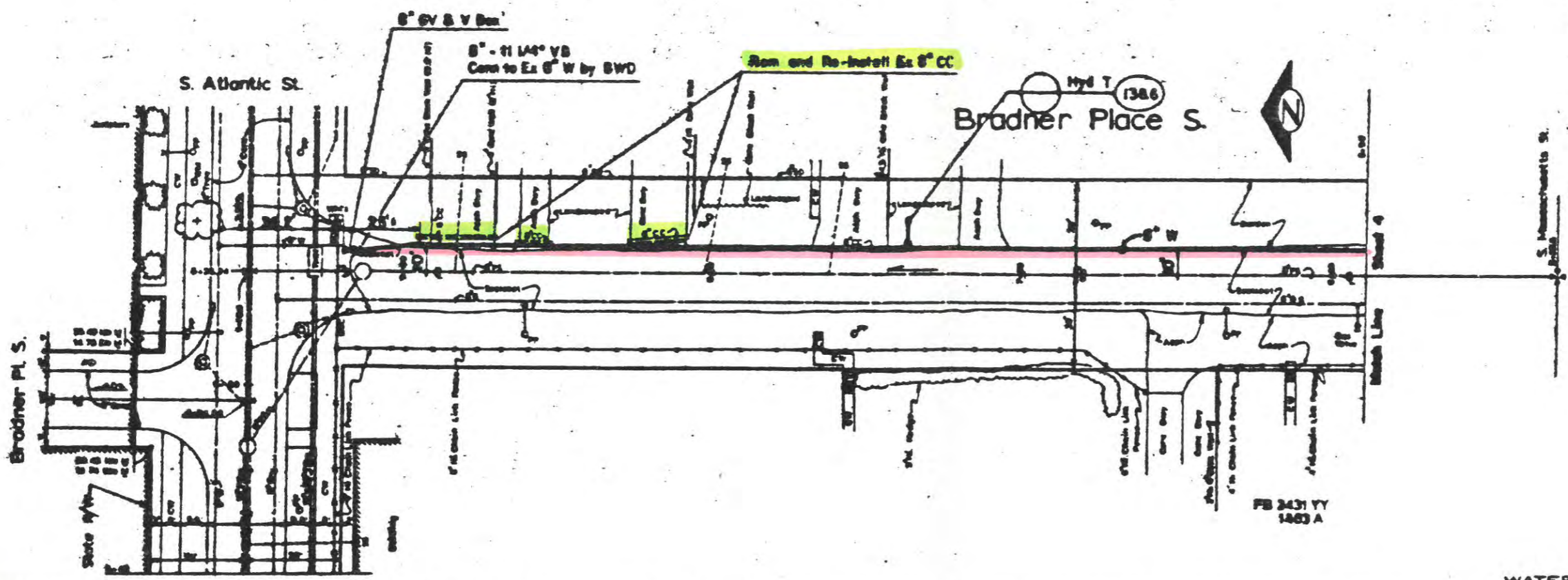
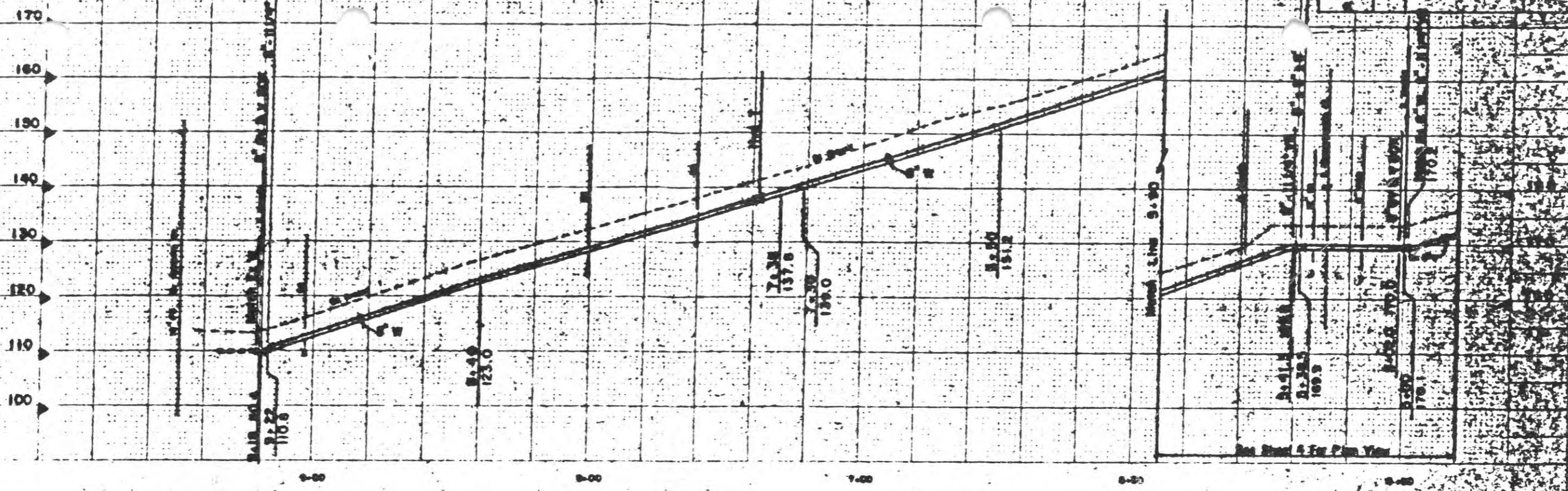


EXHIBIT "C" CS 1788
 ACT. 80 5 to WEST SHORE MERCER ISLAND
 SO. BRADNER PL. T.B. #8

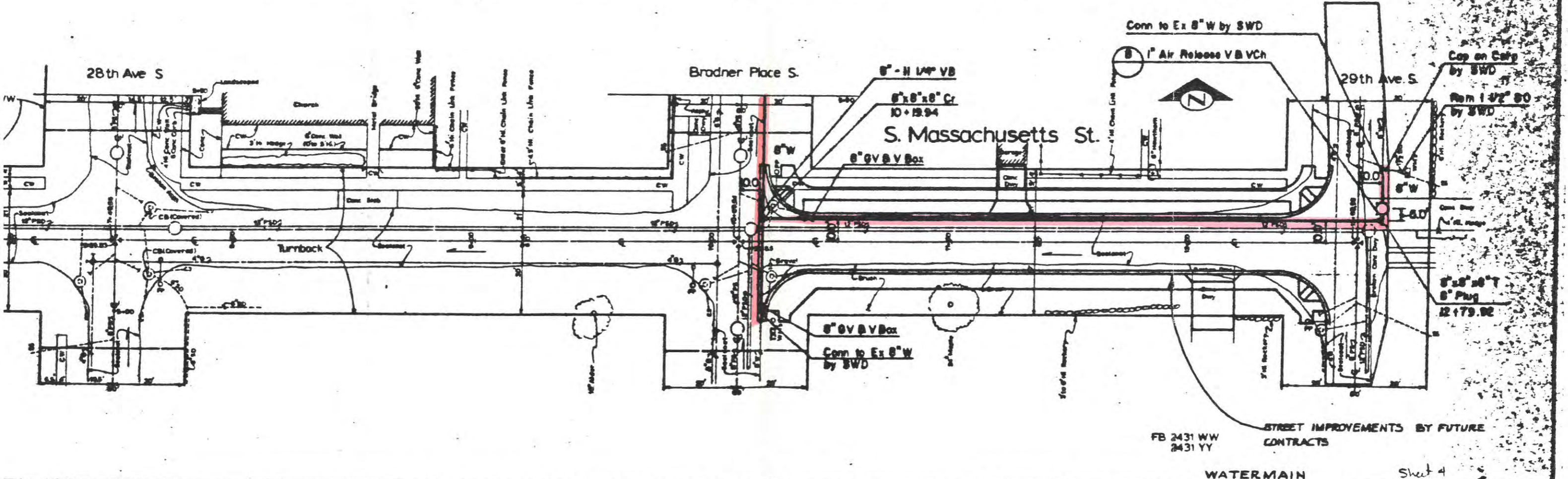
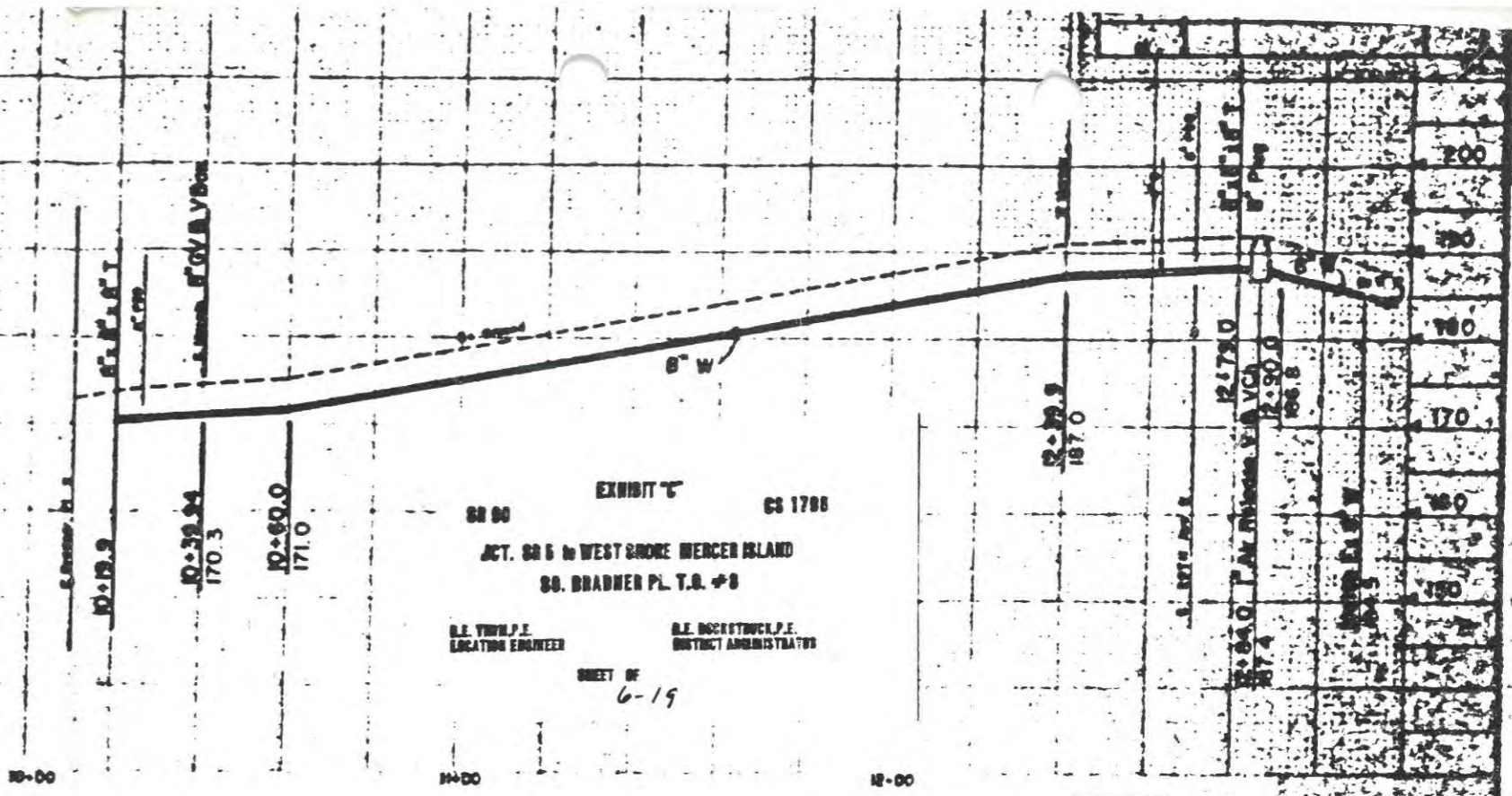
R.E. YIMM, P.E. CREATION ENGINEER
 R.E. ROCKSTADT, P.E. DISTRICT ADMINISTRATOR

FB 2431 TY
 1863 A

WATERMAIN

SHEET OF
 5-19

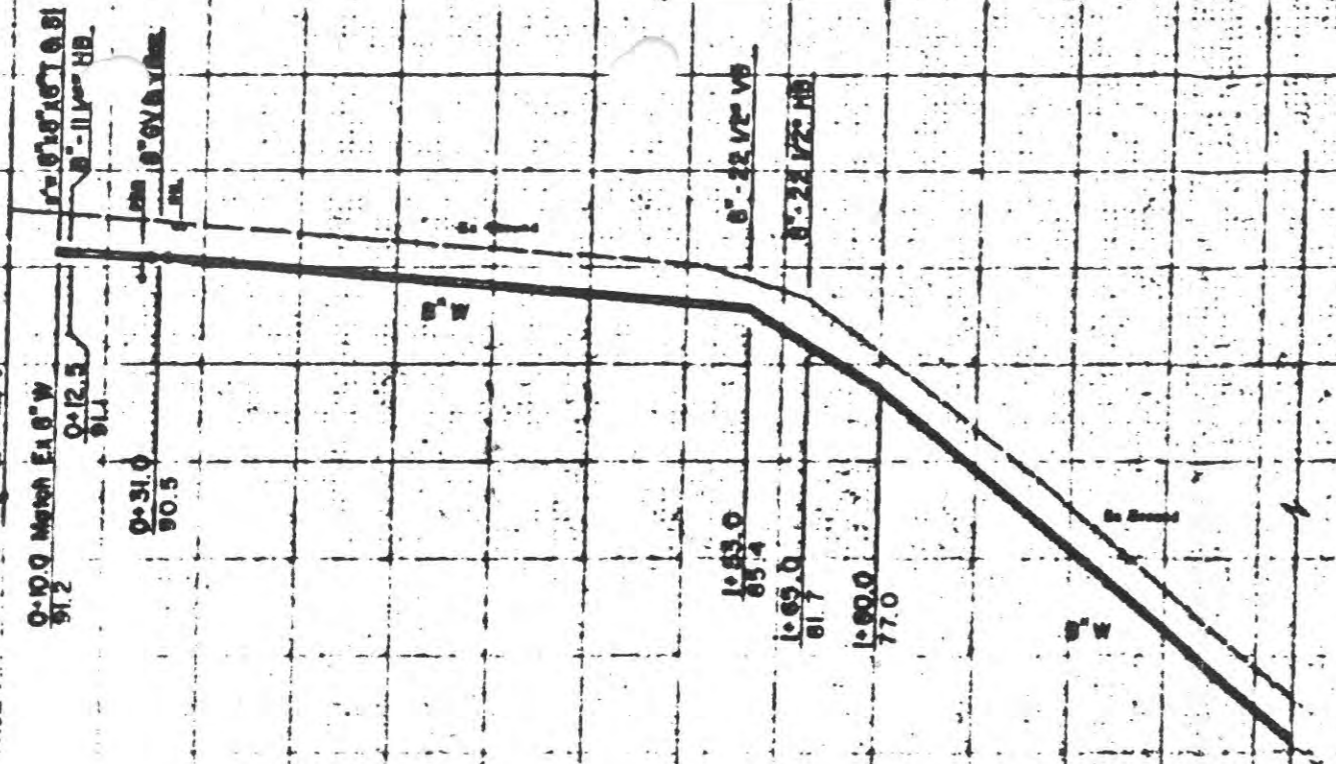
APPROVED FOR ADVERTISEMENTS BY THE BOARD OF PUBLIC WORKS SEATTLE WATERWORKS _____ _____	NAME OR INITIALS AND DATE DESIGNED _____ CHECKED _____ DRAWN _____ REVISIONS _____ REVISIONS AS SHOWN _____ TO BE MADE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD SPECIFICATIONS AND REQUIREMENTS FOR WATER MAINS AS SET FORTH IN THE CITY ENGINEERING DEPARTMENT'S SPECIFICATIONS.	THE CITY OF SEATTLE DEPARTMENT OF ENGINEERING ENGINEER IN CHARGE: P.E. DIRECTOR OF ENGINEERING _____ _____	SR 90 - Seattle Street & Utility Reconstruction Contract Bradner Place S. et al by Sewers, Stormdrains, Watermains, etc.	P. 5124A S.W. CO. 51227C SHEET 5 OF 19
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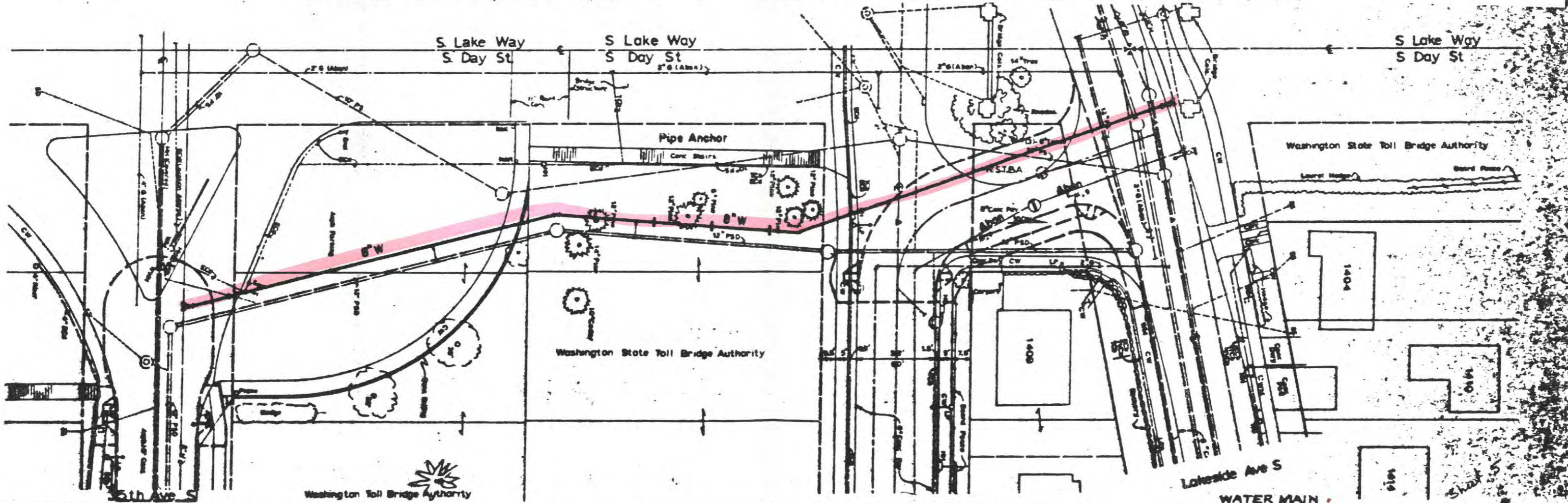
FB 2431 WW
2431 YY
STREET IMPROVEMENTS BY FUTURE
CONTRACTS

WATERMAIN Sheet 4

<p>APPROVED FOR ADVERTISING BY THE BOARD OF PUBLIC WORKS SEATTLE ENGINEER</p>	<p>DATE OF SPECIAL AND DATE SPECIALS AND DATE</p>	<p>THE CITY OF SEATTLE DEPARTMENT OF ENGINEERING ENGINE & SURVEYOR</p>	<p>SR 90 - Seattle Street & Utility Reconstruction Contract Bradner Place S et al by Sewers, Stormdrains, Watermains, etc.</p>
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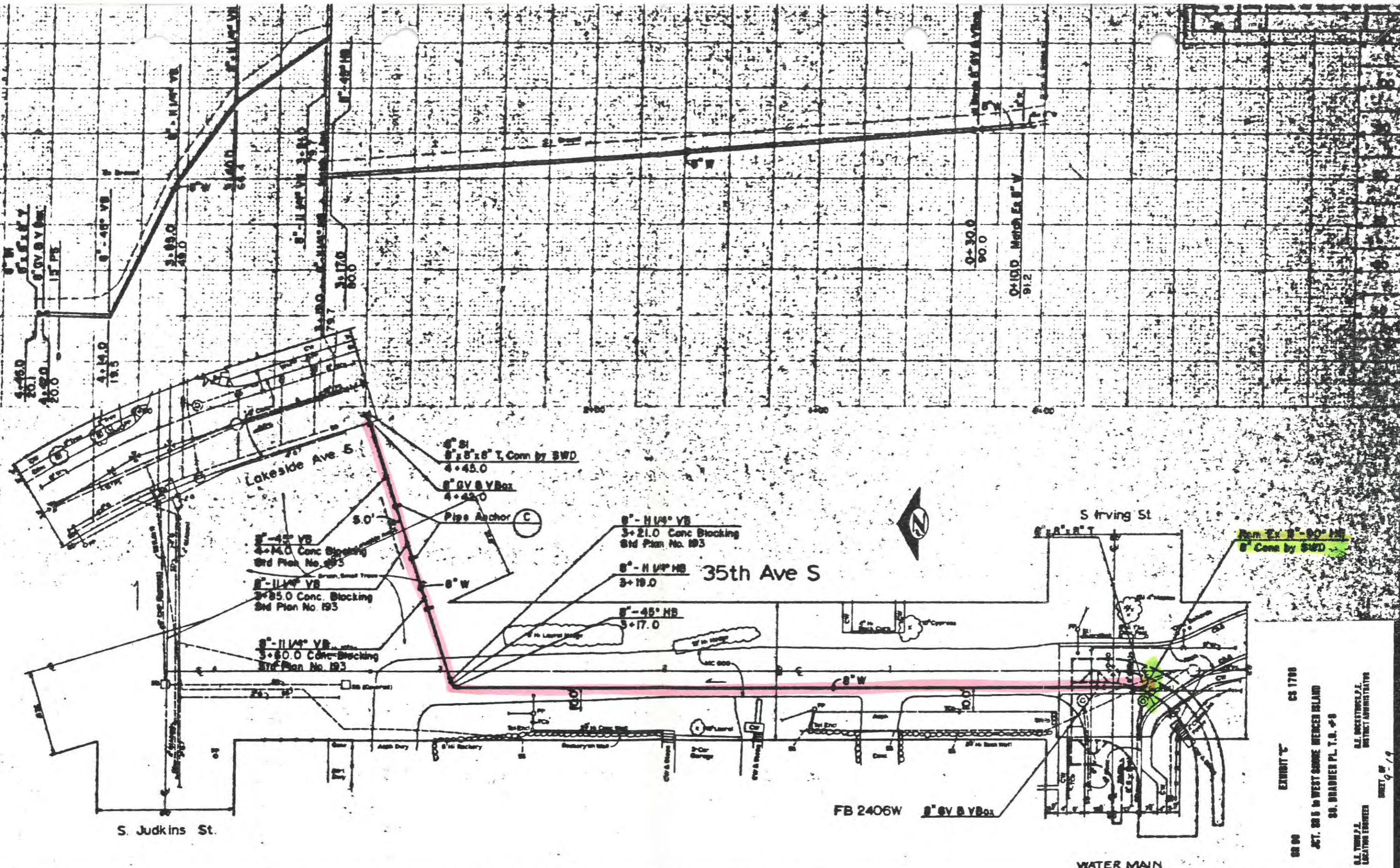


SR 90 EXHIBIT "C" CS 1700
 JCT. SR 5 to WEST SHORE MENDER ISLAND
 SO. BRADNER PL. T.S. #8
 R.E. THORP, P.E. LOCATION ENGINEER
 R.E. DOCKSTWICZ, P.E. DISTRICT ADMINISTRATOR
 SHEET OF 7-19



APPROVED FOR ADVERTISEMENT BY THE BOARD OF PUBLIC WORKS DATE: _____	CHECKED BY: _____ DATE: _____	DESIGNED BY: _____ DATE: _____	THE CITY OF SEATTLE DEPARTMENT OF ENGINEERING ENGINE & SURVEY DIVISION OF SEWERAGE
---	----------------------------------	-----------------------------------	--

SR 90 - Seattle
Street & Utility Reconstruction
 Contract
 Bradner Place S et al
 by Sewers, Stormdrains, Watermains, etc.



S Judkins St.

Lakeside Ave S

35th Ave S

S Irving St

FB 2406W

WATER MAIN

APPROVED FOR ADVERTISING
BY THE BOARD OF PUBLIC WORKS
DATE: _____

DATE OF PERMITS AND DATE	PERMITS AND DATE
_____	_____
_____	_____
_____	_____
_____	_____

THE CITY OF SEATTLE
DEPARTMENT OF ENGINEERING
ENGINE & SURVEY DIVISION OF ENGINEERING

SR 90 - Seattle
Street & Utility Reconstruction
Contract
by Sowers, Stormdrains, Watermain, etc.

EXHIBIT 'C'
CS 1780
SHEET 9-19
DISTRICT ADMINISTRATOR

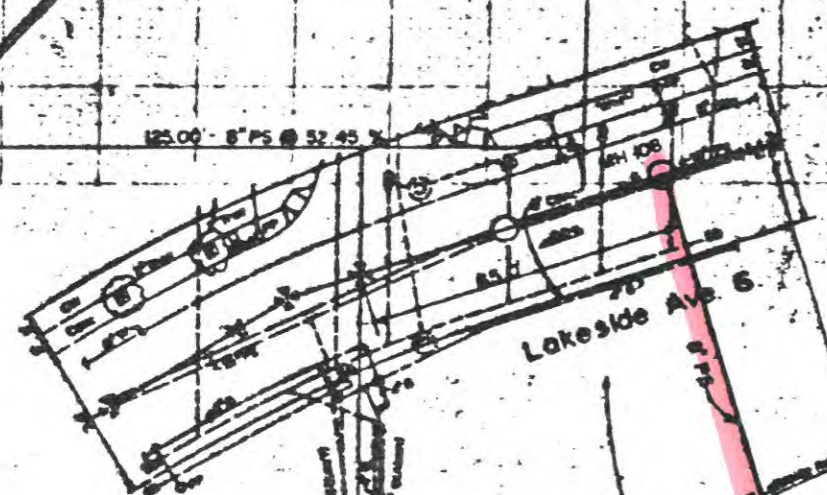
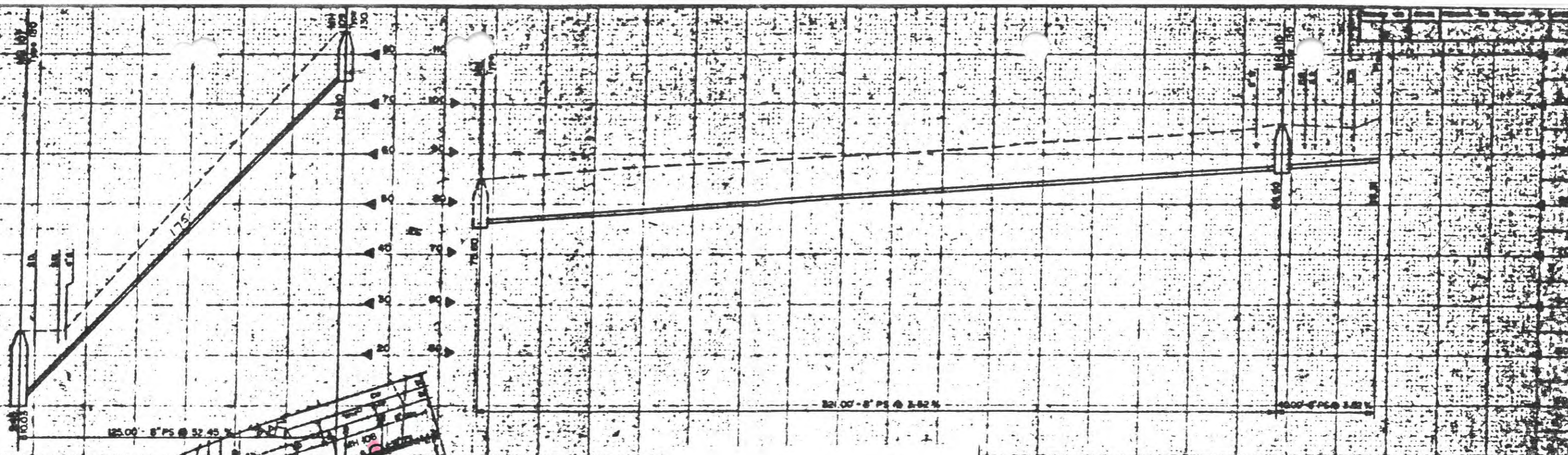
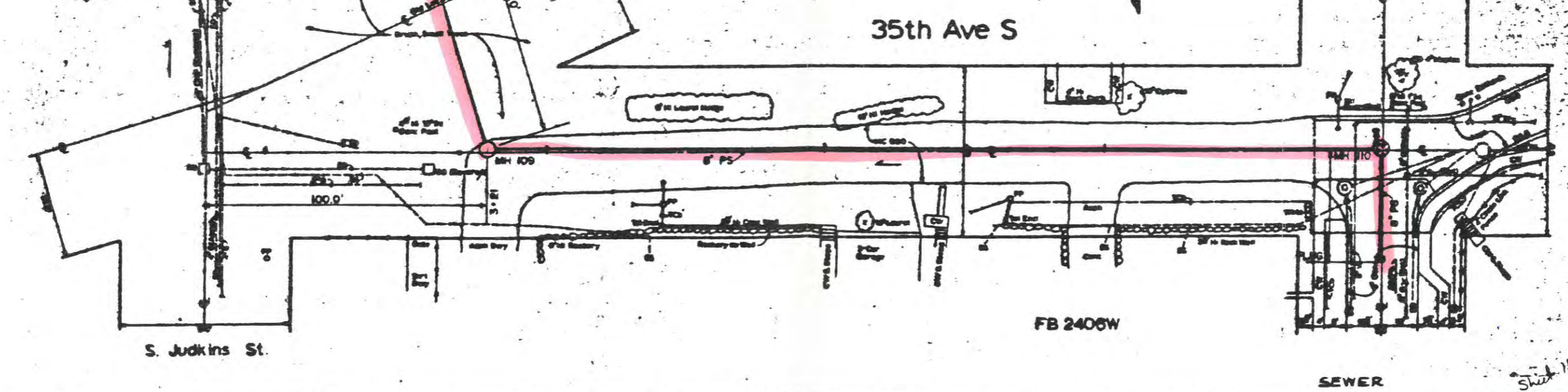


EXHIBIT 'E'
 CS 1706
 ACT. 881 IN WEST SIDE BRIDGE ISLAND
 81. BRADNER PL. T.S. #8
 S.E. WINDY, P.E. CREATION ENGINEER
 S.E. BRICESTRICK, P.E. DISTRICT ADMINISTRATOR
 SHEET 17-19



S. Judkins St.

35th Ave S

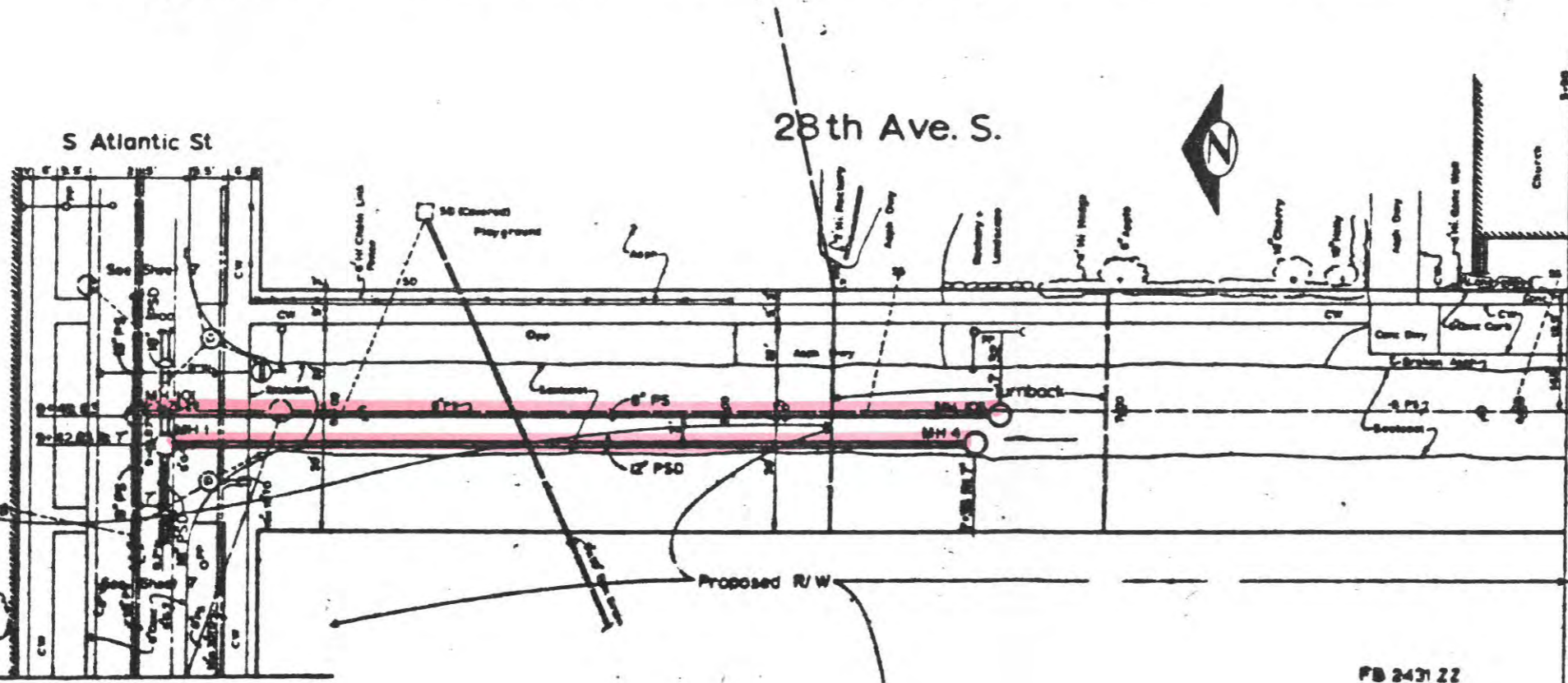
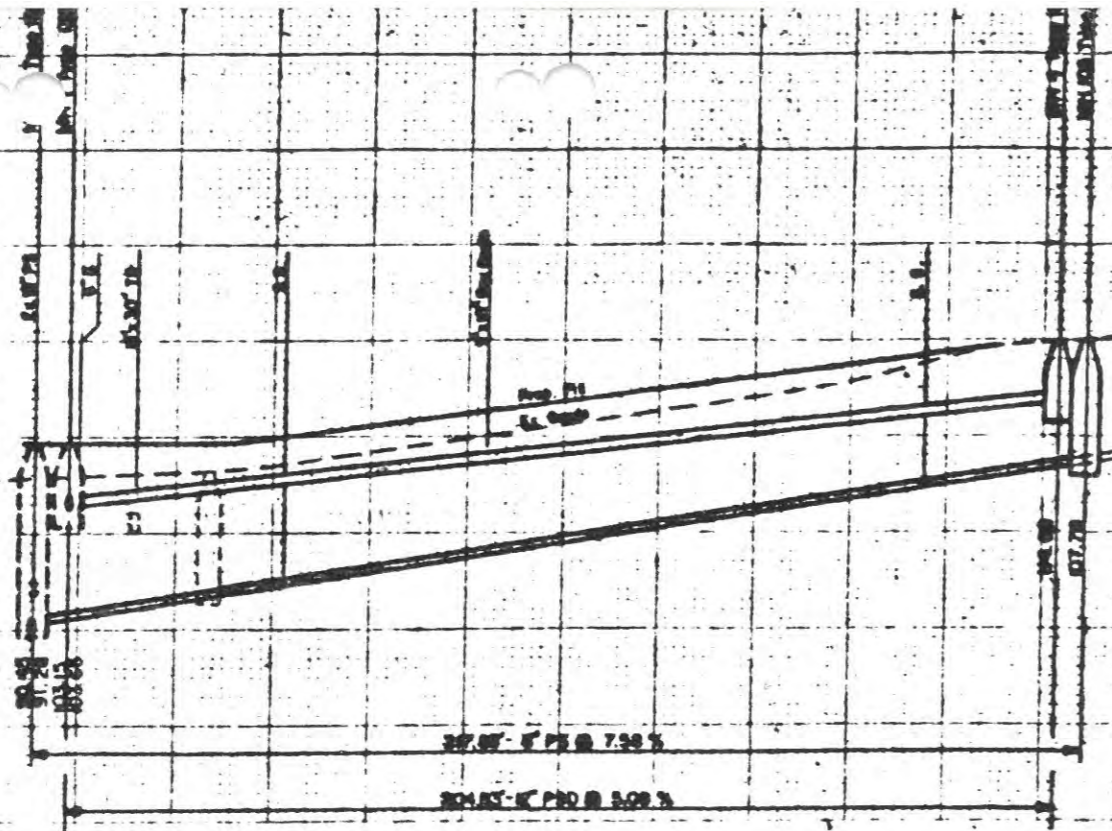
S Irving St

FB 2406W

SEWER

Sheet 11

APPROVED FOR ADVERTISING BY THE BOARD OF PUBLIC WORKS DATE: _____	NAME OF OFFICIAL AND DATE _____ _____	OFFICIAL AND DATE _____ _____	THE CITY OF SEATTLE DEPARTMENT OF ENGINEERING _____ _____	SR 90 - Seattle Street & Utility Reconstruction Contract Bradner Place S et al by Sewers, Stormdrains, Watermain, etc.
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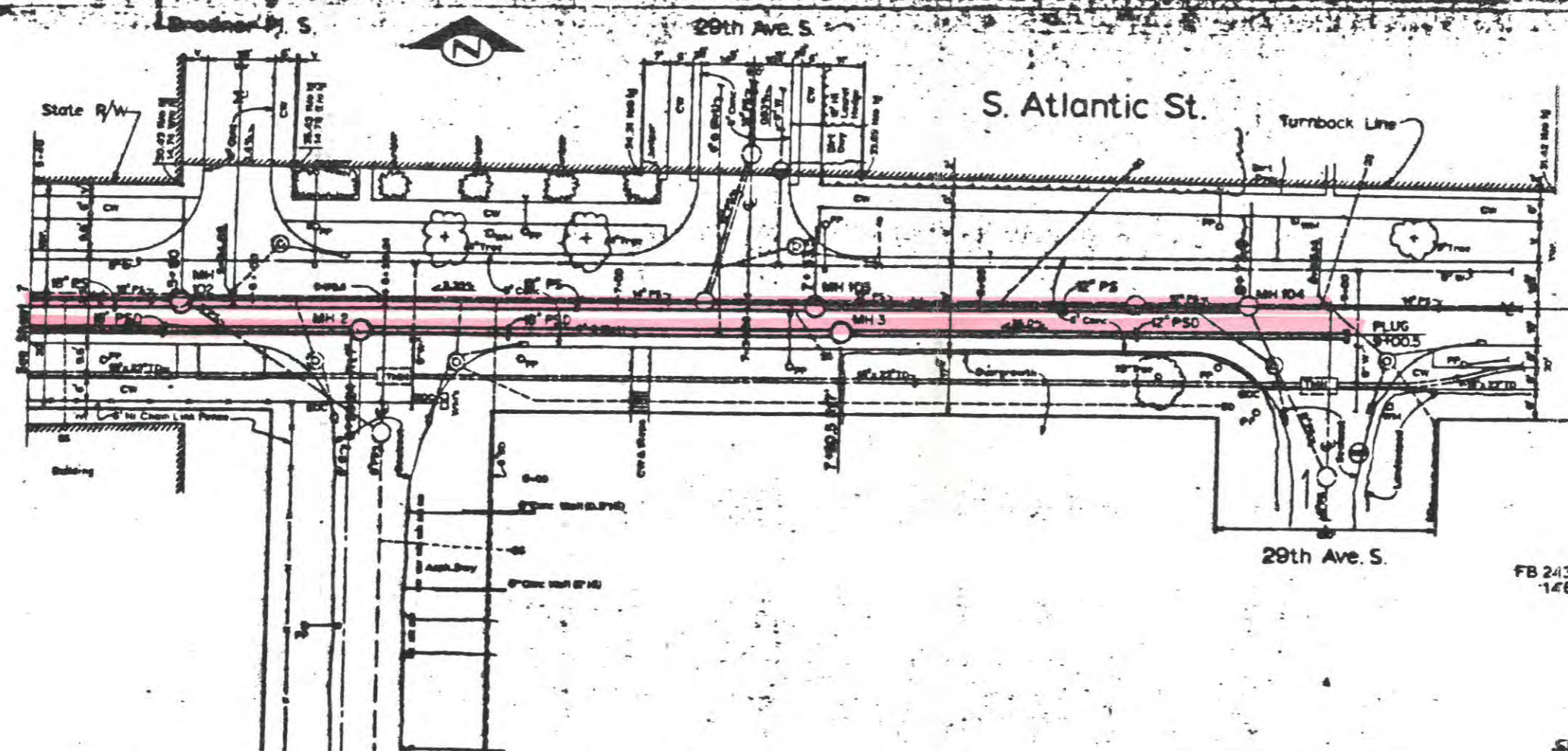
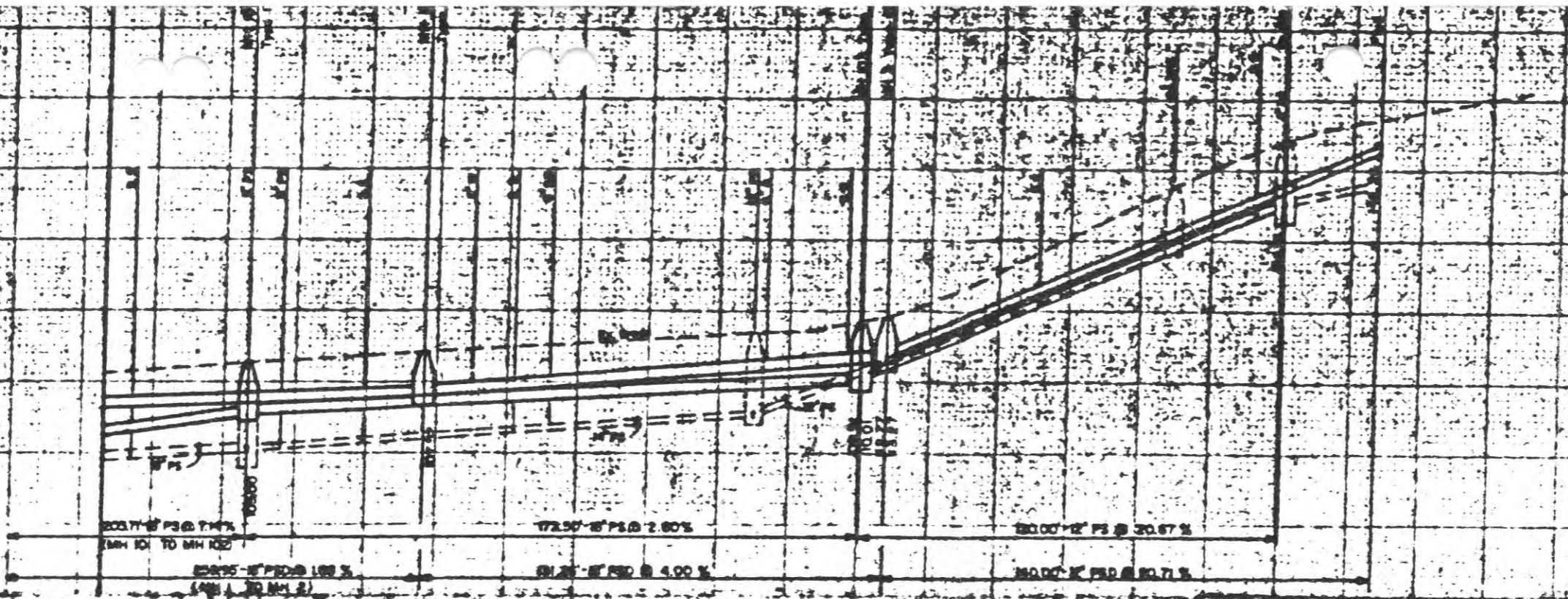
FB 2431 22

EXHIBIT "C" CS 1708
 JCT. BR 6 to WEST SHORE WENGER ISLAND
 BRADNER PL. T.B. #8
 R.E. THOMPSON, JR. LOCATION ENGINEER
 R.E. BRONSTEIN, J.E. DISTRICT ADMINISTRATOR
 SHEET OF 15-19

SEWER & STORM DRAINS

Future Culdesac

APPROVED FOR ADVERTISING BY THE BOARD OF PUBLIC WORKS SEATTLE ENGINEER	NAME OR INITIALS AND DATE DESIGNED: _____ CHECKED: _____ DRAWN: _____ REVISIONS: _____	INITIALS AND DATE REVIEWED: _____ APPROVED: _____ DATE: _____	THE CITY OF SEATTLE DEPARTMENT OF ENGINEERING GEORGE V. BERRY, R.E., DIRECTOR OF ENGINEERING	SR 90 - Seattle Street & Utility Reconstruction Contract Bradner Place S. et al by Sewers, Stormdrains, Watermains, etc.	PL. 2128AA SHEET NO. 15-19
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FB 2431YY
1463A

EXHIBIT 'C'
88 00 CS 1788

ACT. 88 5 to WEST BARRIE WEDGED ISLAND
88. BRADNER PL. T.B. 48

R.E. VINUJ.E.
LOCATION ENGINEER

R.E. BOCKSTUCKE, P.E.
DISTRICT ADMINISTRATOR

SEWER & STORM DRAINS

APPROVED FOR ADVERTISING
BY THE BOARD OF PUBLIC WORKS
CITY OF SEATTLE

DATE OF SHEET AND DATE
SHEET NO. 10 OF 10
PROJECT NO. SR 90 - SEATTLE
SHEET TITLE: STREET & UTILITY RECONSTRUCTION

THE CITY OF SEATTLE
DEPARTMENT OF ENGINEERING
OFFICE & SHOP BUILDING OF ENGINEERS

SR 90 - Seattle
Street & Utility Reconstruction
Contract
Bradner Place S et al
by Sewers, Stormdrains, Watermans, etc

DATE: 11/19/88
BY: [Signature]

130
120
110
100
90
80
70

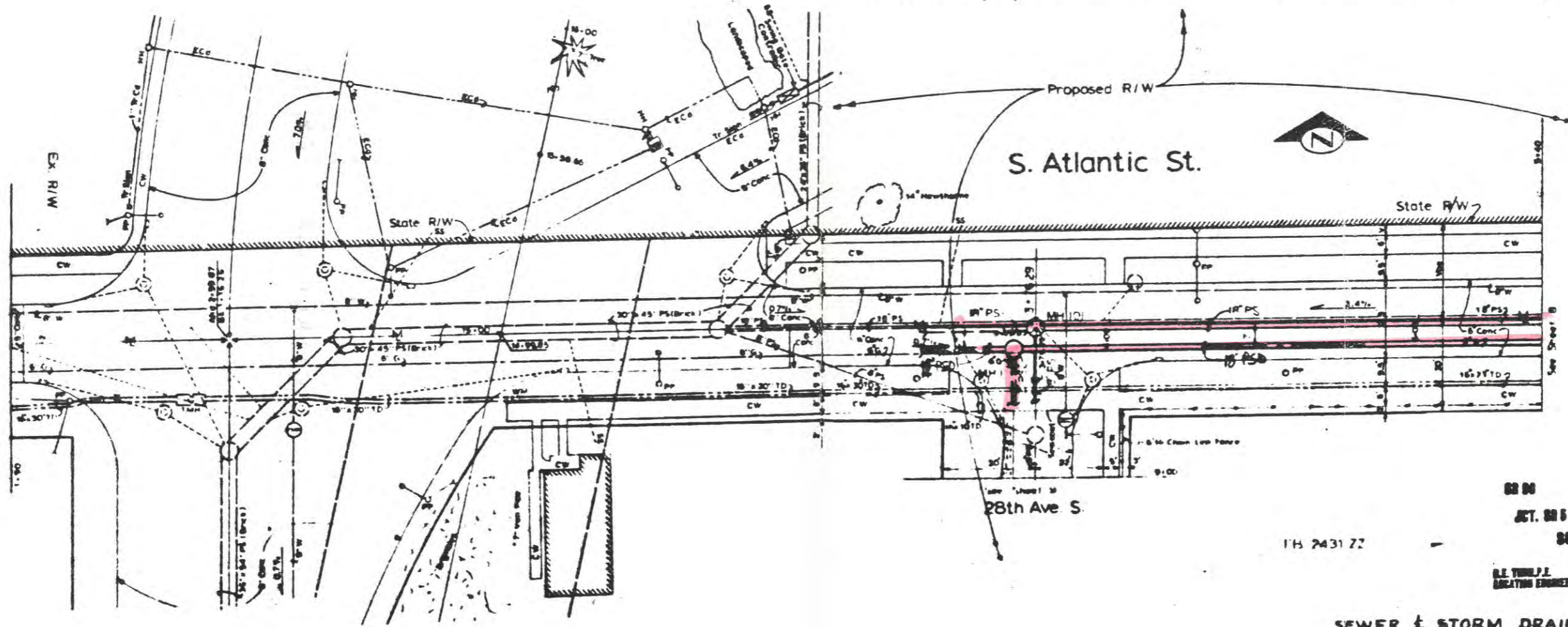
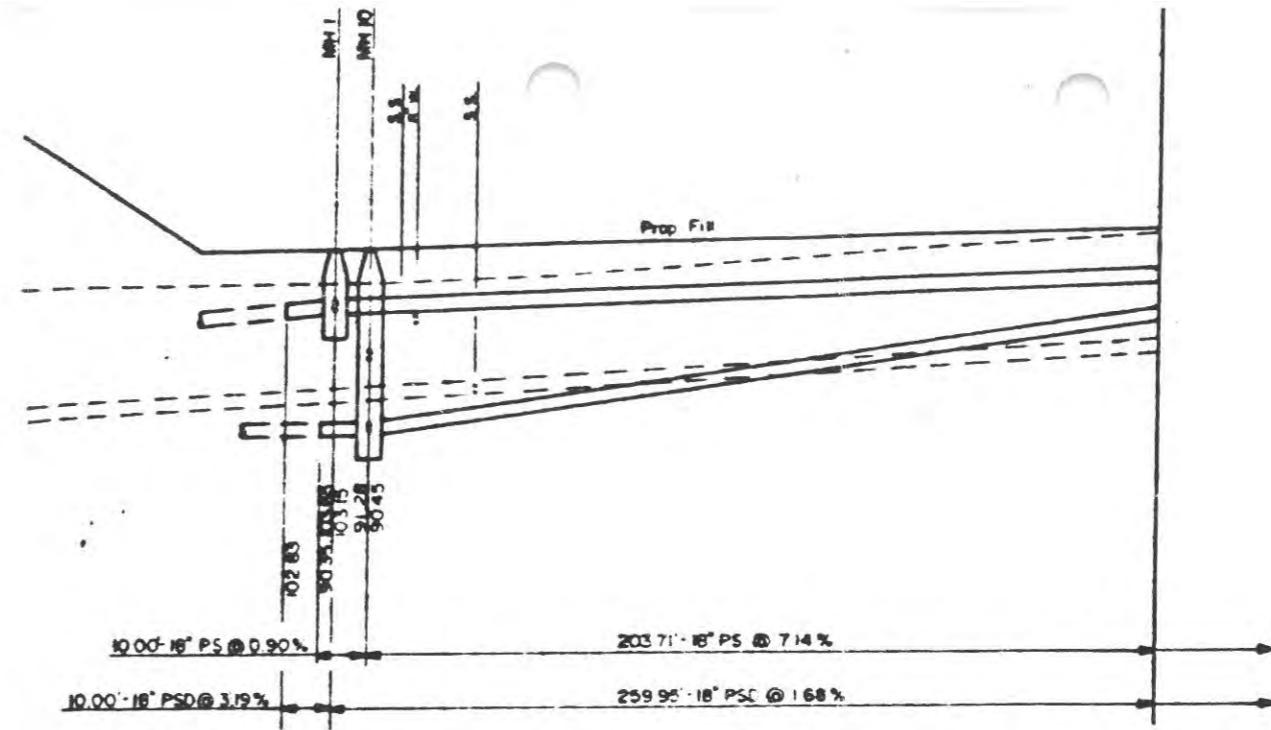


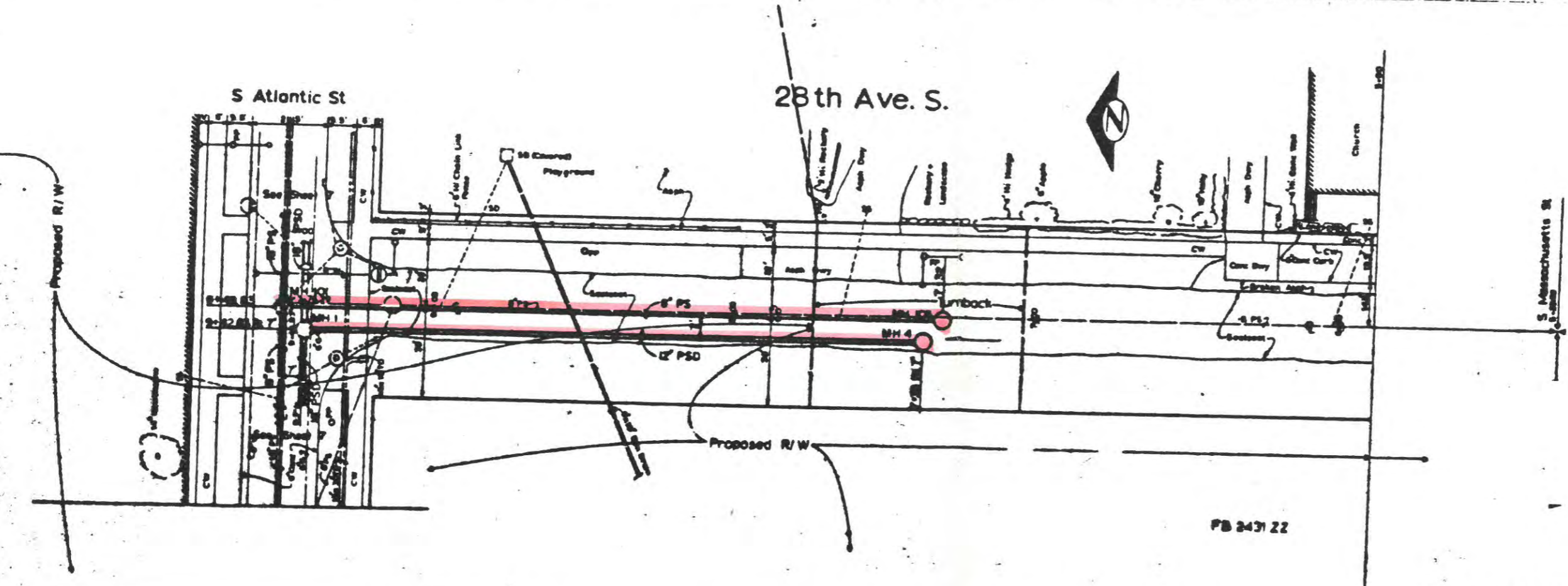
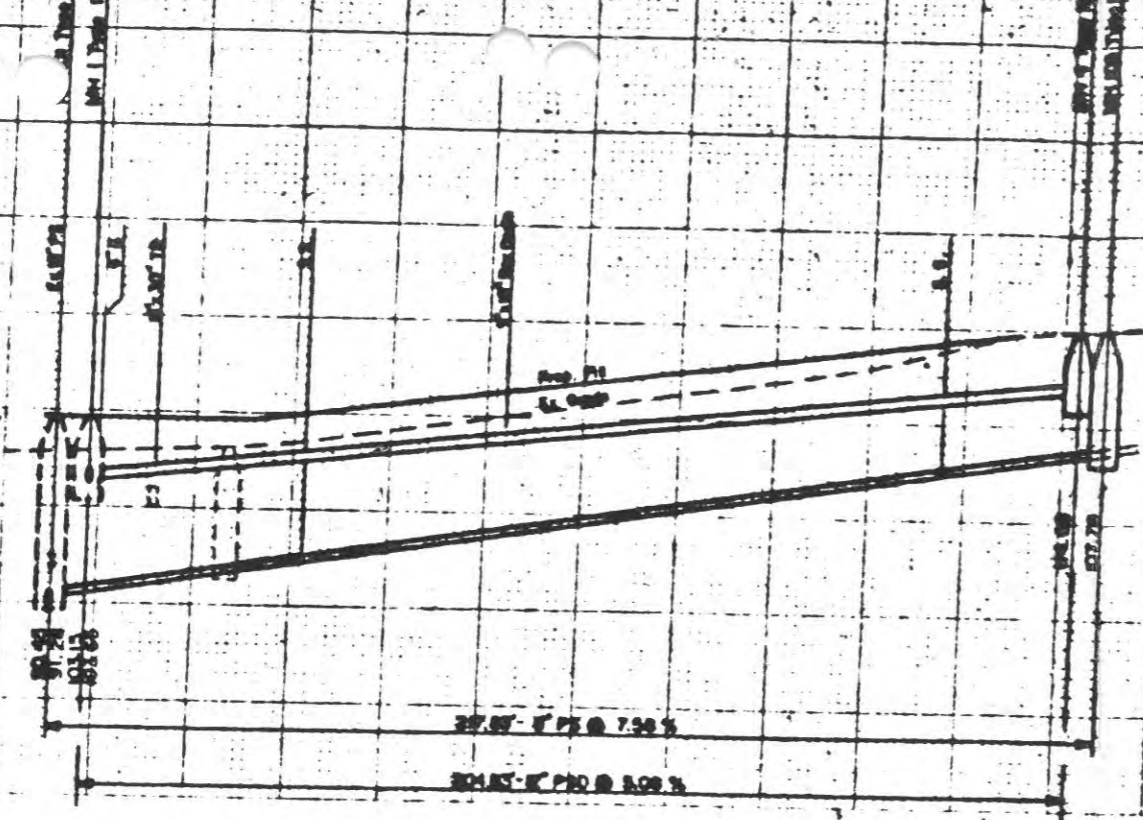
EXHIBIT 'C'
CS 1700
ACT. 88 5 to WEST SHORE MERCER ISLAND
88. BRADNER PL. T.A. 4-8
I.B. 2431 72
D.E. THOMAS, JR.
LOCATION ENGINEER
D.E. ROCKWELL, JR.
DISTRICT ADMINISTRATOR
SHEET 15/19

SEWER & STORM DRAINS

SR 90 - Seattle
Street & Utility Reconstruction
Contract
Hughes, Price, S. et al
by Sewer & Storm Drains, Water mains, etc

<p>APPROVED FOR SUBMITTAL BY THE CHIEF OF PUBLIC WORKS SEATTLE DEPARTMENT</p>	<p>DATE: 10/21/72</p>	<p>PROJECT NO: 2431 72</p>	<p>THE CITY OF SEATTLE DEPARTMENT OF ENGINEERING SUPPORT & MAINT. DIVISION</p>
---	-----------------------	----------------------------	--

<p>NO. 5104A</p>
<p>DATE: 10/21/72</p>
<p>BY: [Signature]</p>



PB 2431 22

EXHIBIT "C" CS 1700
 OCT. 28 5 to WEST SHORE WENGER ISLAND
 SO. BRADNER PL. T.A. 48
 S.E. VINCE, P.E. SARGENT ENGINEER
 S.E. DOCKERTUCK, P.E. DISTRICT ADMINISTRATOR
 SHEET 15-19

SEWER & STORM DRAINS

APPROVED FOR ADVERTISING BY THE BOARD OF PUBLIC WORKS SEATTLE ENGINEER	NAME OR DETAILS AND DATE DESIGNED: _____ CHECKED: _____ DRAWN: _____ REVISIONS: _____	DETAILS AND DATE DESIGNED: _____ CHECKED: _____ DRAWN: _____ REVISIONS: _____
	APPROVED AS BUILT BY THE BOARD OF PUBLIC WORKS SEATTLE ENGINEER	

THE CITY OF SEATTLE
 DEPARTMENT OF ENGINEERING
 BUDNE V. BERRY P.E. DIRECTOR OF ENGINEERING

SR 90 - Seattle
 Street & Utility Reconstruction
 Contract
 Bradner Place S. et al
 by Sewers, Stormdrains, Watermains, etc.

NO. SR90A
DATE 8/22/70
SCALE 1" = 40'
DRAWN BY
CHECKED BY

Norm Dodge Drafting
CAS-3089

956
44141 1/26 (w/land)

CHECKED

SE 1/4-5-24-4

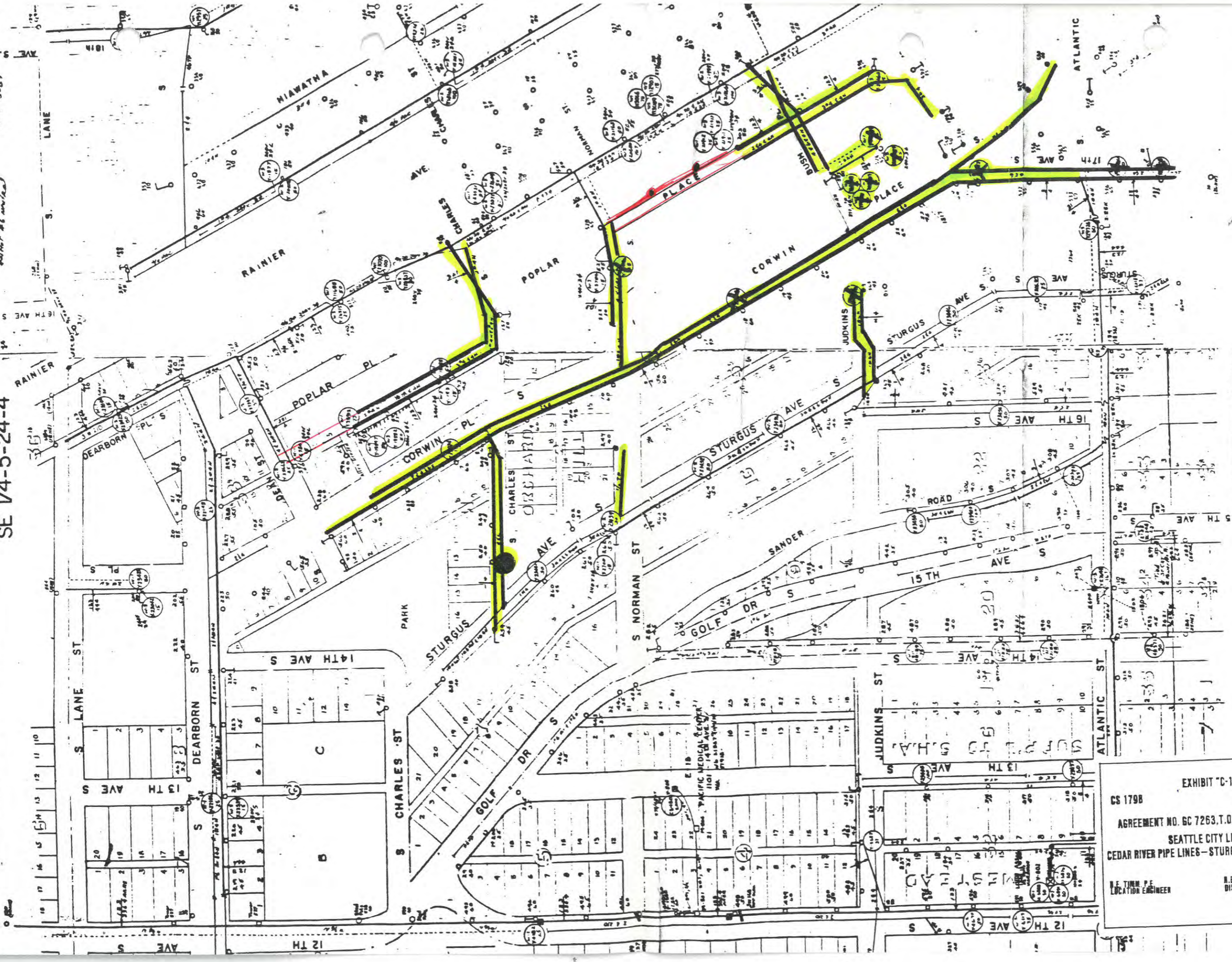


EXHIBIT "C-1"

CS 1798 SR 90

AGREEMENT NO. GC 7263, T.O. NO. 4 SUPP. NO. 1

SEATTLE CITY LIMITS

CEDAR RIVER PIPE LINES—STURGUS AVE. SO. CORWIN PI.

R.E. TIMM, P.E.
LOCATION ENGINEER

R.E. BOCKSTRUCK, P.E.
DISTRICT ADMINISTRATOR

18 SE



4-4" ducts
712 vault
4-4" ducts
6-4" ducts
712 Vault

6-4" ducts
2-4" ducts
8-4" ducts

10-4" ducts
712 Vault
6-4" ducts

814 vault
4-4" ducts
6-4" ducts
712 vault
3-4" ducts

NOTES

1. Abandon all non-service poles & top 12" above street light or other utility. Remove if vacant.
2. - - - indicates new down guy and anchor
3. Vault locations are approximate. Vault dimensions not to scale.
4. — indicates overhead wire to be removed.
5. --- indicates new under ground wire.

612 AV S

312 AV S

Replace with 60' pole (T.P.)

814 vault

2-5" & 4-4" ducts

Replace with 60' pole (T.P.)

2-4-5" & 6-4" ducts

814 vault

6-4" & 2-5" ducts

4-4" & 2-5" ducts

Replace with 60' pole (T.P.)

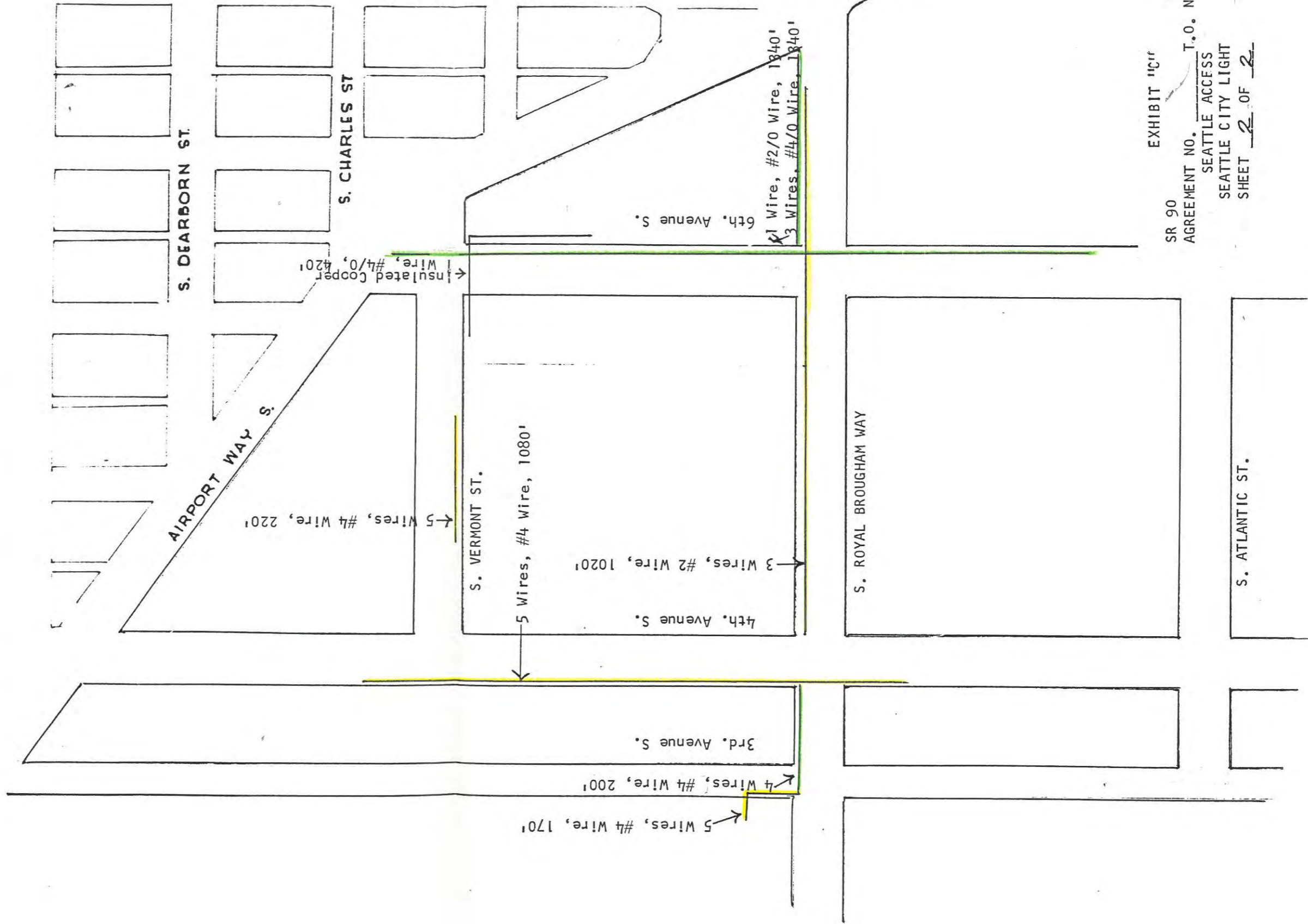
Replace with 60' pole
Install 600A. KPF #473
Tie both gains thru SW

S. ATLANTIC ST. APPROXIMATE. VAULT DIMENSIONS NOT TO SCALE.

6. ● INDICATES OVERHEAD TRANSFORMERS TO BE REMOVED.

7. ● INDICATES POLE SALVAGE





S. DEARBORN ST.

S. CHARLES ST.

AIRPORT WAY S.

S. VERMONT ST.

S. ROYAL BROUGHAM WAY

S. ATLANTIC ST.

6th. Avenue S.

4th. Avenue S.

3rd. Avenue S.

← Insulated Cooper
Wire, #4/0, 420'

← 5 Wires, #4 Wire, 220'

← 5 Wires, #4 Wire, 170'

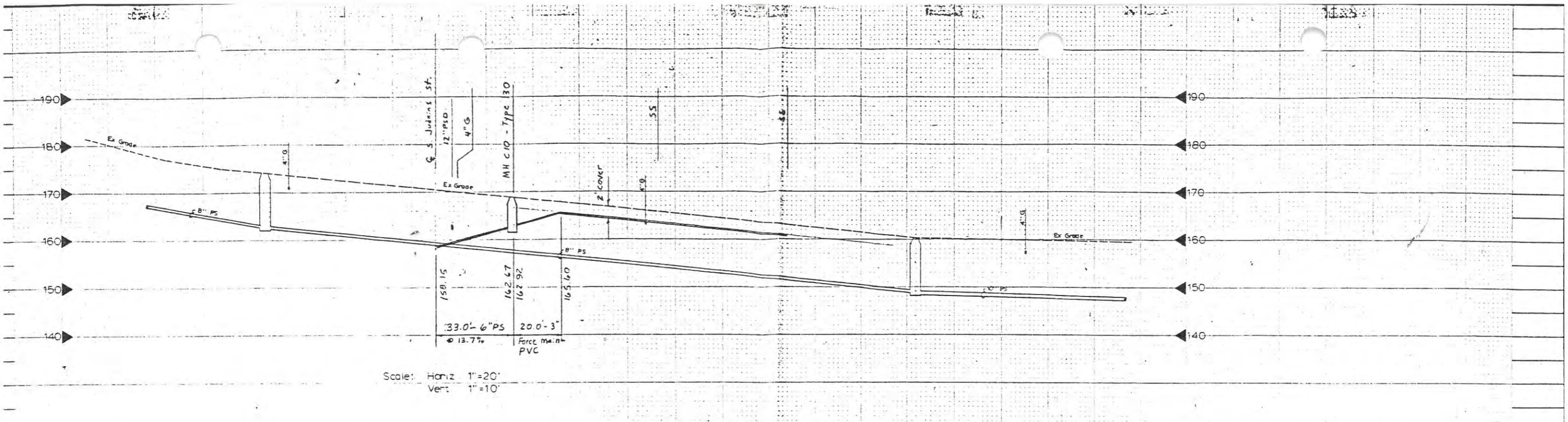
← 4 Wires, #4 Wire, 200'

→ 3 Wires, #2 Wire, 1020'

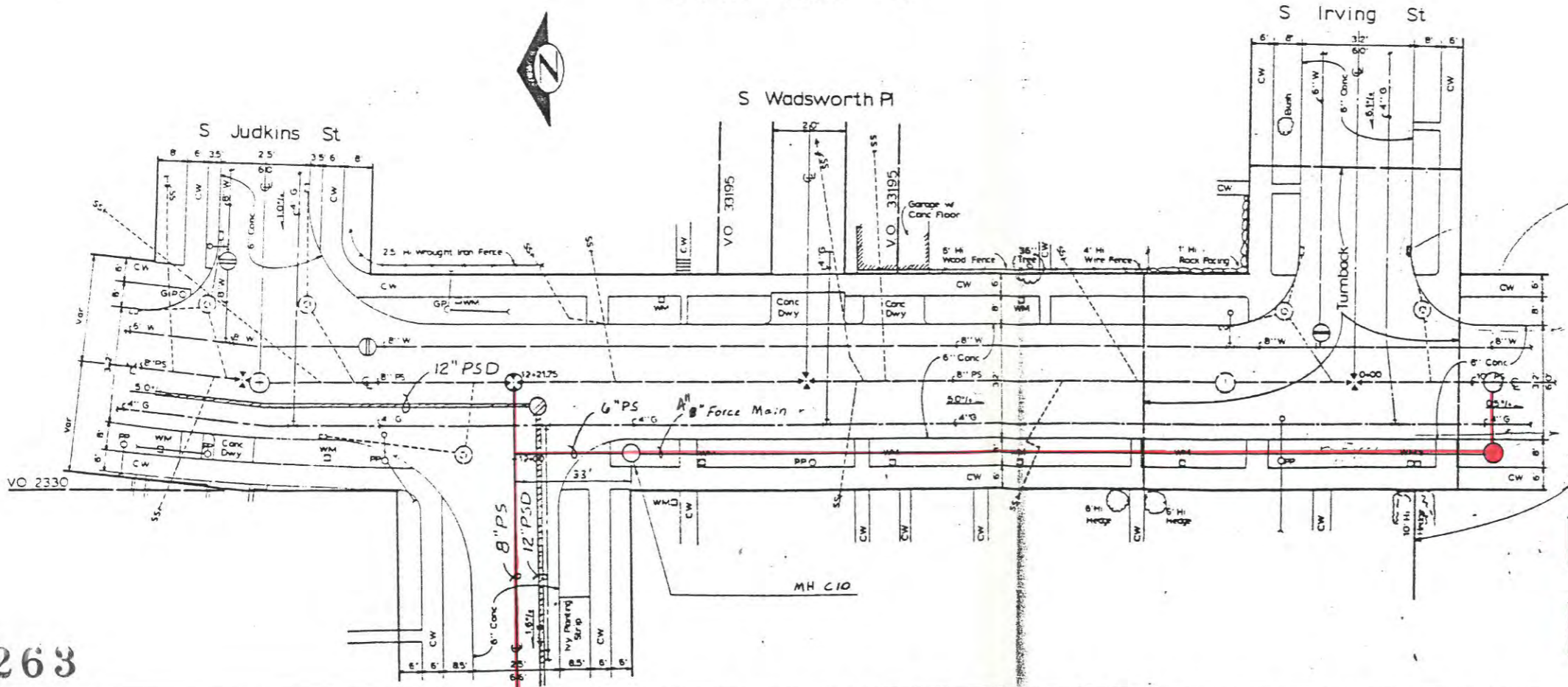
→ 5 Wires, #4 Wire, 1080'

← 1 Wire, #2/0 Wire, 1840'
3 Wires, #4/0 Wire, 1840'

SR 90
AGREEMENT NO. _____
EXHIBIT "C"
T.O. NO. _____
CS 1798
SEATTLE ACCESS
SEATTLE CITY LIGHT
SHEET 2 OF 2



24th Ave S



See Plan - F.W.

Proposed R/W

Proposed R/W

EXHIBIT "C"

SR 90 CS 1705
CONSTRUCTION AGREEMENT NO. _____ TASK ORDER #
SO. JUDKINS ST. UTILITY RECONSTRUCTION

DICK TIMM LOCATION ENGINEER R.E. BOCKSTRUCK, P.E. DISTRICT ADMINISTRATOR

SHEET 6 OF 12

GC7263

TASK ORDER NO. 9

APPROVED FOR ADVERTISING
BY THE BOARD OF PUBLIC WORKS
SEATTLE WASHINGTON 19

ATTEST: _____ CHAIRMAN
_____ EXECUTIVE SECRETARY

NAME OR INITIALS AND DATE		INITIALS AND DATE	
DESIGNED	_____	REVIEWED	_____
CHECKED	_____	DES. COM. BY	_____
DRAWN	_____	TRANS. SVC.	_____
CHECKED	_____	RECEIVED	_____
DESIGN REVIEW	_____	REVISED AS BUILT	_____

All work done in accordance with the City of Seattle Standard Plans and Specifications in effect on the date shown above, and supplemented by Special Provisions.



THE CITY OF SEATTLE
DEPARTMENT OF ENGINEERING
EUGENE V. AVERY P.E., DIRECTOR OF ENGINEERING

ORDINANCE NO. _____ APPROVED _____
FUND _____
SCALE: H V INSPECTOR'S BOOK NO. _____

JOB NO.	PC
	R/W
	CD
VAULT PLAN No	
SHEET	OF



SR 90
 EXHIBIT "C"
 CONSTRUCTION AGREEMENT NO. _____ TASK ORDER # _____
 SO. JUDKINS ST. UTILITY RECONSTRUCTION
 R.E. BOCKSTUCK, P.E.
 DISTRICT ADMINISTRATOR
 DICK TITM
 LOCATION ENGINEER
 SHEET 11 OF 12

PROPOSED
 EXISTING

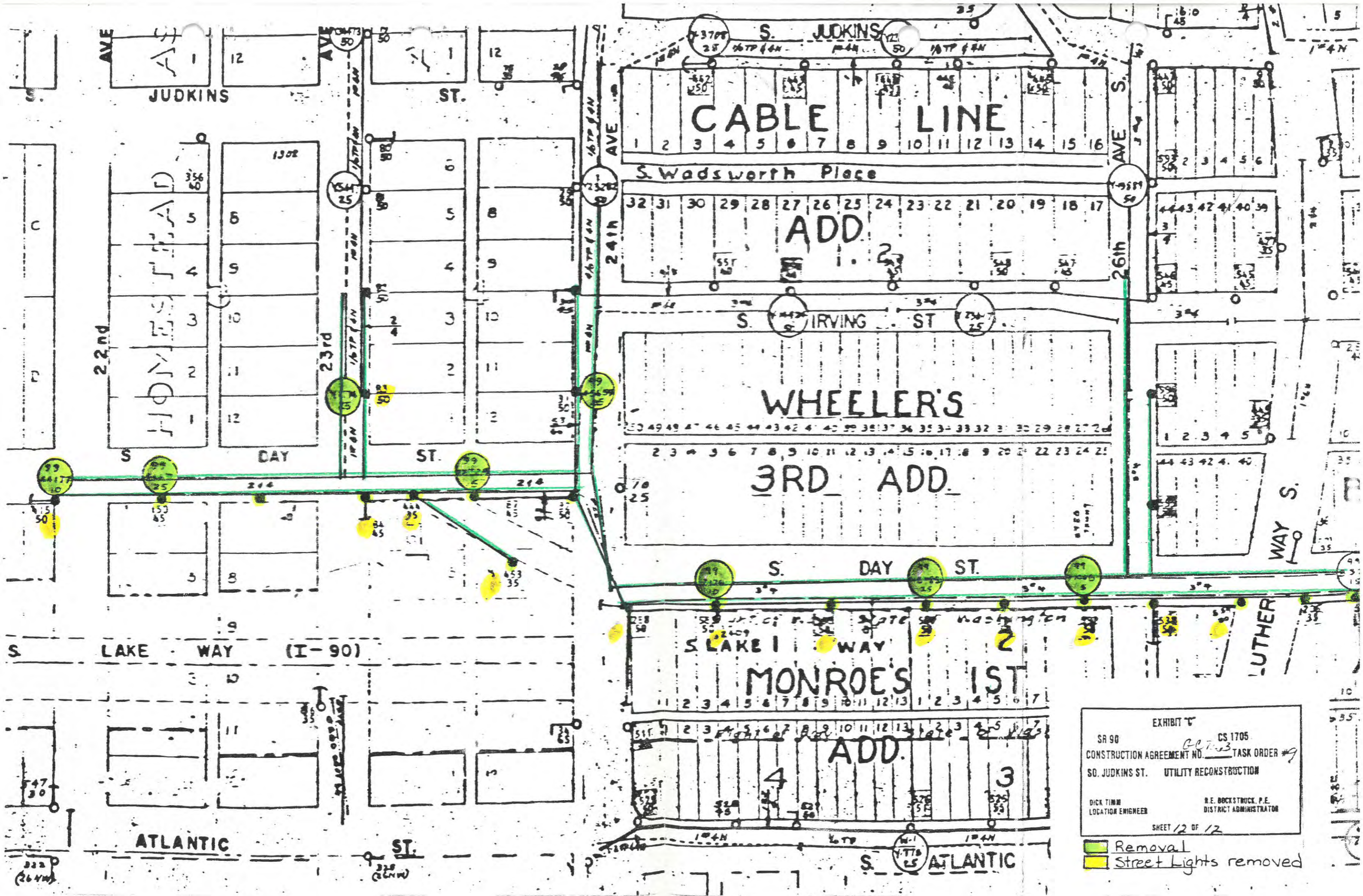
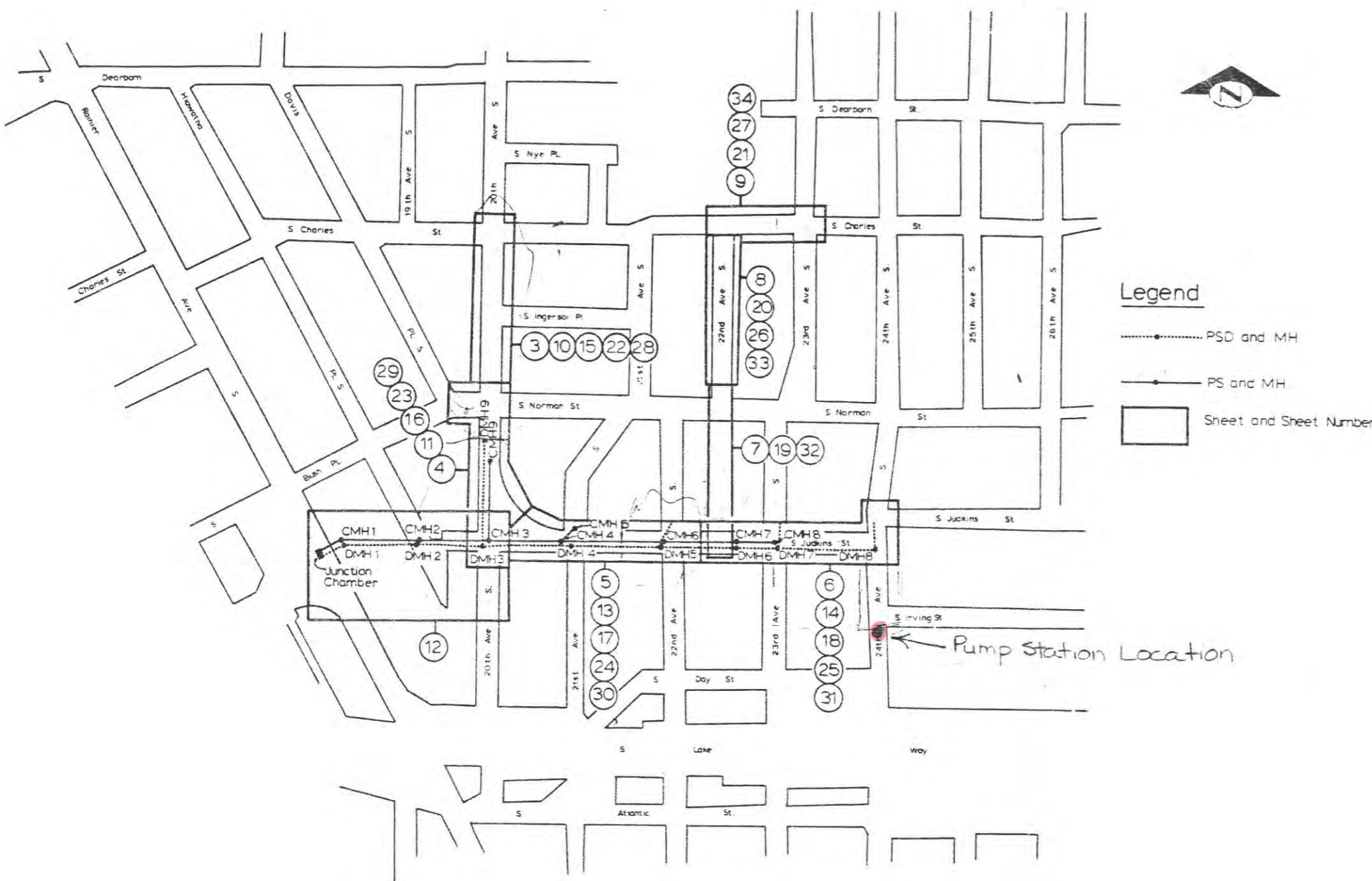


EXHIBIT "C"
 SR 90 CS 1705
 CONSTRUCTION AGREEMENT NO. 007-03 TASK ORDER #9
 SO. JUDKINS ST. UTILITY RECONSTRUCTION
 DICK TIMM LOCATION ENGINEER R.E. DOCKSTRUCK, P.E. DISTRICT ADMINISTRATOR
 SHEET 12 OF 12

- Removal
- Street Lights removed



Sheet Index

Sheet No	Sheet Description
1	Vicinity & Sheet Location Map & Sheet Index
2	General Notes
3-9	Removal Plans
10	Drainage & Lighting Plan
11	PS, PSD, Watermain & Lighting Plan
12	Removal, Paving, PS & PSD Plan
13-14	PS, PSD, Watermain & Lighting Plans
15-18	Paving Plans
19	Paving & Landscaping Plan
20-21	Paving Plans
22-27	Landscaping Plans
28-34	Channelization & Signing Plans
35-37	Paving Profiles & Superelevation
38-40	PS & PSD Profiles
41-42	Watermain Profiles
43	Paving, Sewer, & Drainage Details
44-47	Sewer & Drainage Details
48-52	Lighting Details
53-54	Watermain Details
55	Watermain & Irrigation Details
56	Landscape Details
57	Test Hole Borings

PRELIMINARY PLAN

Vicinity & Sheet Location Map

PRELIMINARY PLAN

PROPOSED
 EXISTING

EXHIBIT "C"


SR 90 CS 1798
CONSTRUCTION AGREEMENT GC 7263 TASK ORDER # 10
TEMPORARY SEWER PUMP STATION
OPERATION & MAINTENANCE

DICK TIDM, P.E. LOCATION ENGINEER
D.E. BOCKSTUCK, P.E. DISTRICT ADMINISTRATOR

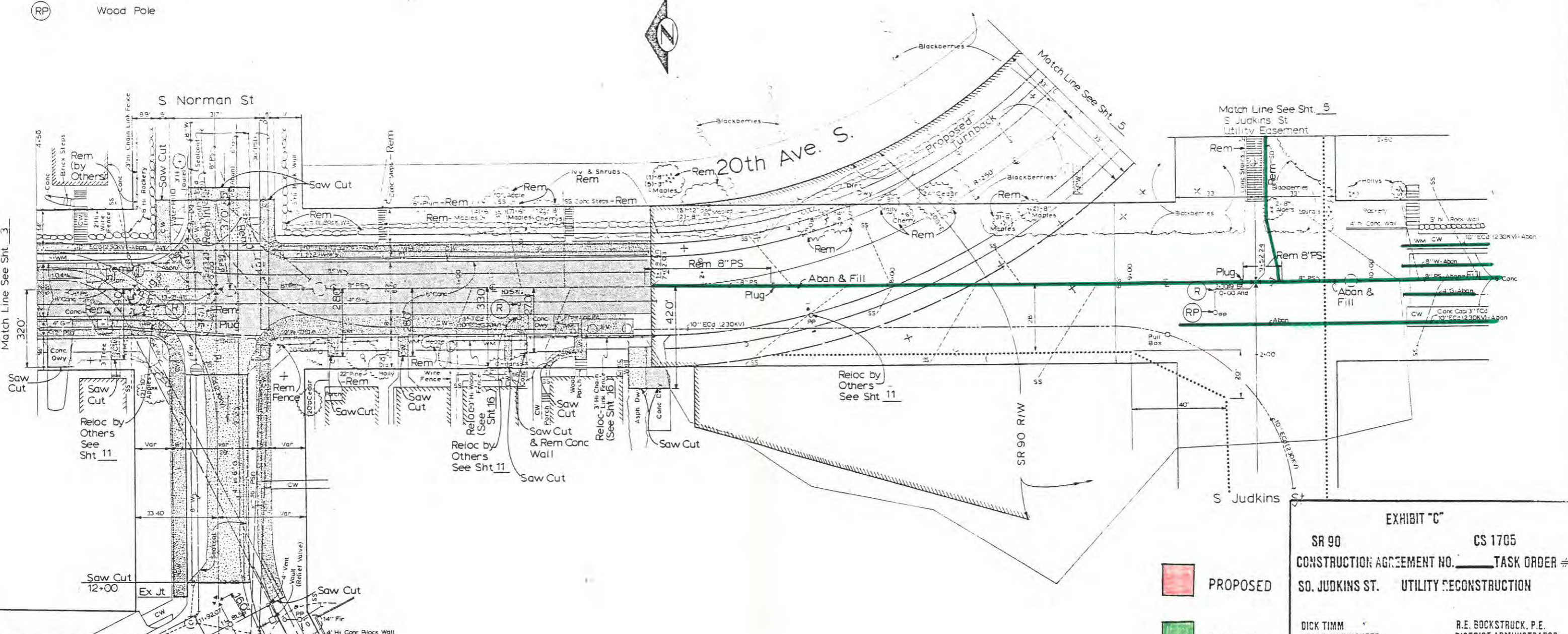
SHEET 1 OF 1

<p>APPROVED FOR ADVERTISING BY THE BOARD OF PUBLIC WORKS SEATTLE WASHINGTON 19</p> <p>ATTEST: _____ CHAIRMAN</p> <p>EXECUTIVE SECRETARY PROJECT NO.</p>	<p>NAME OR INITIALS AND DATE</p> <p>DESIGNED _____ DATE _____</p> <p>CHECKED _____ DATE _____</p> <p>DESIGN REVIEW _____ DATE _____</p> <p><small>All work done in accordance with the City of Seattle Standard Plans and Specifications in effect on the date shown above, and supplemented by Special Provisions.</small></p>	<p>INITIALS AND DATE</p> <p>REVIEWED _____ DATE _____</p> <p>DES. CONST. _____</p> <p>TRANS. SVC. _____</p> <p>PROJ. MGR. _____</p> <p>RECEIVED _____</p> <p>REVISED AS BUILT _____</p>		<p>THE CITY OF SEATTLE DEPARTMENT OF ENGINEERING EUGENE V. AVERY, P.E., DIRECTOR OF ENGINEERING</p> <p>ORDINANCE NO. _____ APPROVED _____</p> <p>FUND _____</p> <p>SCALE: H V INSPECTOR'S BOOK NO. _____</p>	<p>SR90-Seattle Street and Utility Reconstruction Contract S Judkins St et al by Paving, Sewers, Stormdrains, Watermains etc</p>	<p>PC S1191A R/W S1191B CO S1191C</p> <p>VALUET PLAN NO. 777-346</p> <p>SHEET 1 OF 57</p>
---	---	---	--	--	--	---

Removal Legend

-  Conc Pav & Conc Dwy
-  Conc Walk
-  Asph
-  175 MVL & 6' Al Bracket Arm
-  Wood Pole

For Lighting Legend, See Sht 2
 For Utilities, See Sht 11
 For Paving, See Sht 16
 For Landscaping, See Sht 23
 For Channelization, See Sht 29





-  PROPOSED
-  EXISTING

EXHIBIT "C"

SR 90 CS 1705
 CONSTRUCTION AGREEMENT NO. _____ TASK ORDER #
 SO. JUDKINS ST. UTILITY RECONSTRUCTION

DICK TIMM LOCATION ENGINEER R.E. BOCKSTRUCK, P.E. DISTRICT ADMINISTRATOR

SHEET 7 OF 12

GC7263

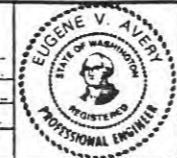
ASK ORDER NO. 9

APPROVED FOR ADVERTISING
 BY THE BOARD OF PUBLIC WORKS
 SEATTLE WASHINGTON 19____

ATTEST: _____ CHAIRMAN
 _____ EXECUTIVE SECRETARY PROJECT NO. _____

NAME OR INITIALS AND DATE	INITIALS AND DATE
DESIGNED _____	REVIEWED: _____
CHECKED _____	DES. CONST. _____
DRAWN _____	TRANS. SVC. _____
CHECKED _____	PROJ. MGR. _____
DESIGN REVIEW _____	RECEIVED _____
	REVISED AS BUILT _____

All work done in accordance with the City of Seattle Standard Plans and Specifications in effect on the date shown above, and supplemented by Special Provisions.



THE CITY OF SEATTLE
 DEPARTMENT OF ENGINEERING
 EUGENE V. AVERY P.E., DIRECTOR OF ENGINEERING

ORDINANCE NO. _____ APPROVED _____
 FUND: _____
 SCALE: H, 1"=20' V. _____ INSPECTOR'S BOOK NO. _____

SR90-Seattle
Street and Utility Reconstruction
 Contract S Judkins St et al
 by Paving, Sewers, Stormdrains, Watermains etc

PC	S1191A
R/W	S1191B
CO	S1191C
Vault Plan No.	777-346
SHEET	4 OF 57




EXHIBIT "C"

SR 90 CS 1705
 CONSTRUCTION AGREEMENT NO. _____ TASK ORDER #
 SO. JUDKINS ST. UTILITY RECONSTRUCTION

DICK TIMM LOCATION ENGINEER R.E. BOCKSTRUCK, P.E. DISTRICT ADMINISTRATOR



SHEET 8 OF 12

Removal Legend

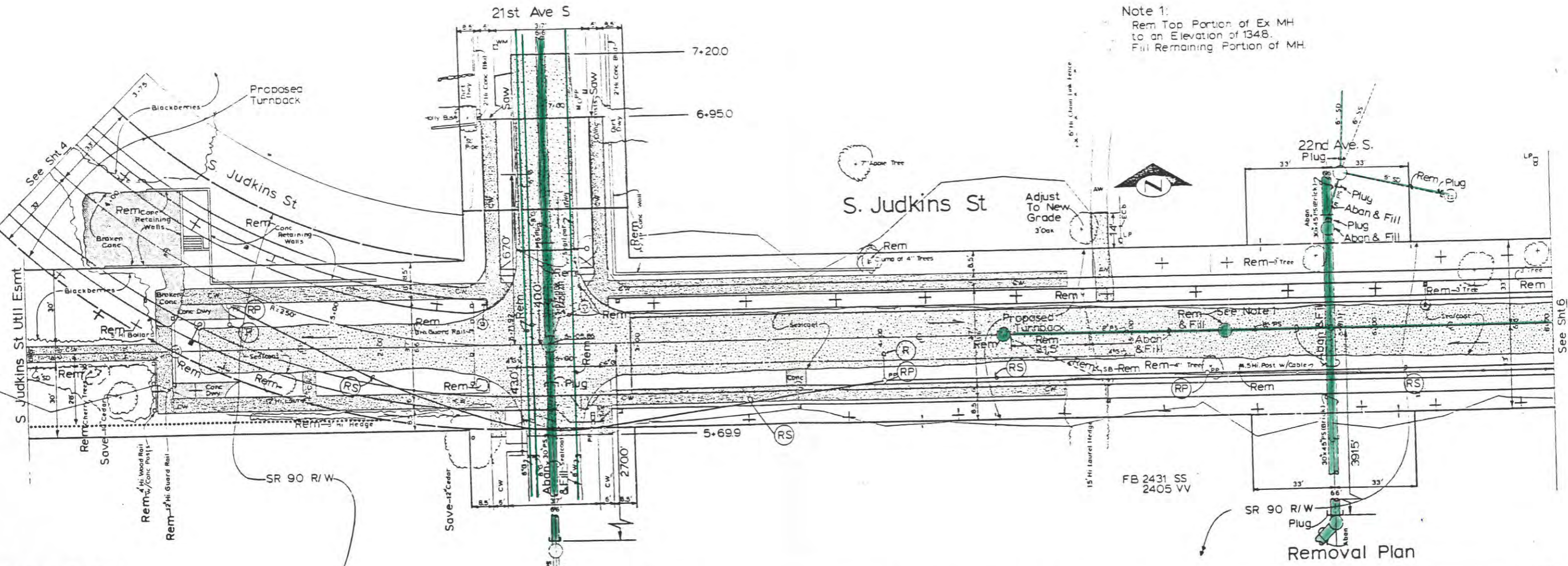
-  Conc Dwy
-  Conc Walks
-  Asph Pav

- (R) Remove Existing 175W MVL and 6' Bracket Arm.
- (RP) Remove Existing Wood Pole
- (RS) Remove I-Span #12 Cu Duplex

For Lighting Legend, See Sht 2
 For Utilities, See Sht 13
 For Paving, See Sht 17
 For Landscaping, See Sht 24
 For Channelization, See Sht 30

-  PROPOSED
-  EXISTING

Note 1:
 Rem Top Portion of Ex MH to an Elevation of 1348.
 Fill Remaining Portion of MH.



GC7263
TASK ORDER NO. 9

APPROVED FOR ADVERTISING BY THE BOARD OF PUBLIC WORKS SEATTLE WASHINGTON 19

ATTEST: _____ CHAIRMAN
 _____ EXECUTIVE SECRETARY

PROJECT NO. _____

NAME OR INITIALS AND DATE	INITIALS AND DATE
DESIGNED _____	REVIEWED: _____ CONST. _____
CHECKED _____	DES. TRANS. SVC. _____ PROJ. MGR. _____
CHECKED _____	RECEIVED _____
DESIGN REVIEW _____	REVISED AS BUILT _____

All work done in accordance with the City of Seattle Standard Plans and Specifications in effect on the date shown above, and supplemented by Special Provisions.

EUGENE V. AVERY
 PROFESSIONAL ENGINEER

THE CITY OF SEATTLE
 DEPARTMENT OF ENGINEERING
 EUGENE V. AVERY, P.E., DIRECTOR OF ENGINEERING

ORDINANCE NO. _____ APPROVED _____
 FORM _____
 SCALE: H. 1" = 20'

SR90-Seattle
Street and Utility Reconstruction
 Contract S Judkins St et al
 by Paving, Sewers, Stormdrains, Watermains etc

PC S1191A
 L/W S1191B
 CO S1191C

VAULT PLAN NO. 777-346
 SHEET 5 OF 57

For Lighting Legend, See Sht 2
 For Utilities, See Sht 14
 For Paving, See Sht 18
 For Landscaping, See Sht 25
 For Channelization, See Sht 31

Removal Legend

Unless Otherwise Noted

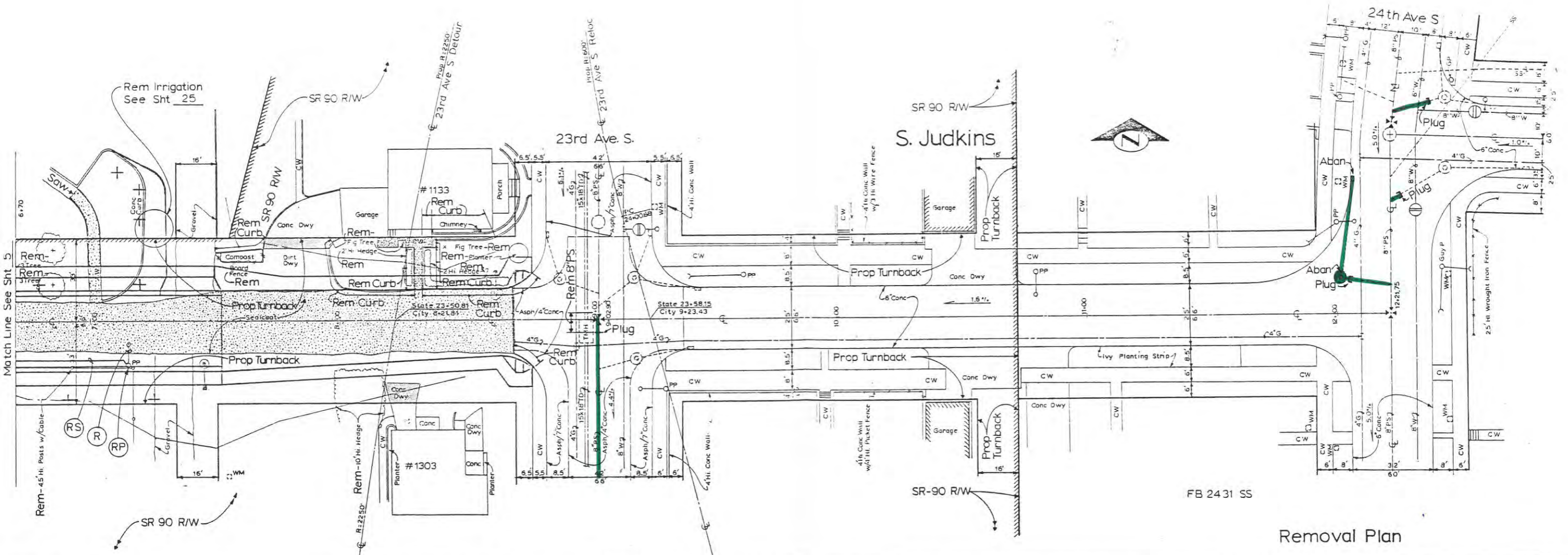
- Conc Pav
- Conc Walk
- Asph

- (R) 175w MVL and 6' Bracket Arm
- (RP) Wood Pole
- (RS) I-Span #12 Cu Duplex

EXHIBIT "C"

SR 90 CS 1705
 CONSTRUCTION AGREEMENT NO. _____ TASK ORDER #
 SO. JUDKINS ST. UTILITY RECONSTRUCTION
 DICK TIMM LOCATION ENGINEER R.E. BOCKSTUCK, P.E. DISTRICT ADMINISTRATOR
 SHEET 9 OF 12

- PROPOSED
- EXISTING



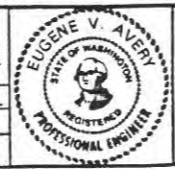
Removal Plan

GC7263
TASK ORDER NO. 9

APPROVED FOR ADVERTISING
 BY THE BOARD OF PUBLIC WORKS
 SEATTLE WASHINGTON _____ 19____
 ATTEST: _____ CHAIRMAN
 EXECUTIVE SECRETARY PROJECT NO. _____

NAME OR INITIALS AND DATE	INITIALS AND DATE
DESIGNED _____	REVIEWED: _____
CHECKED _____	DES. _____ CONST. _____
DRAWN _____	TRANS. SVC. _____ PROJ. MGR. _____
CHECKED _____	RECEIVED _____
DESIGN REVIEW _____	REVISED AS BUILT _____

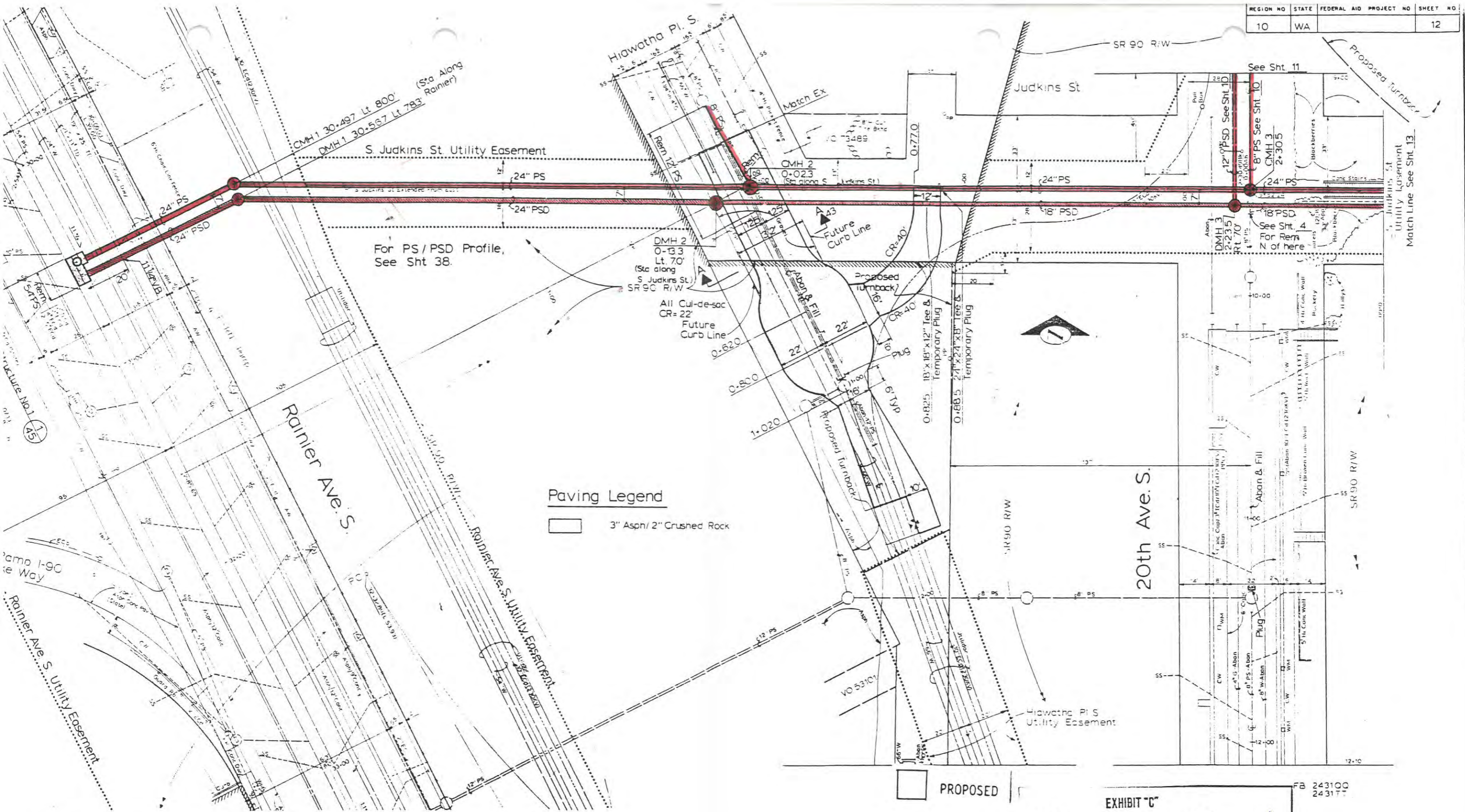
All work done in accordance with the City of Seattle Standard Plans and Specifications in effect on the date shown above, and supplemented by Special Provisions.



THE CITY OF SEATTLE
 DEPARTMENT OF ENGINEERING
 EUGENE V. AVERY P.E., DIRECTOR OF ENGINEERING
 ORDINANCE NO. _____ APPROVED _____
 FUND: _____ INSPECTOR'S BOOK NO. _____
 SCALE: H. 1" = 20' V.

SR90-Seattle
 Street and Utility Reconstruction
 Contract S Judkins St et al
 by Paving, Sewers, Stormdrains, Watermains etc

PC	S1191A
R/W	S1191B
CO	S1191C
VAULT PLAN No.	777-346
SHEET	6 OF 57



GC7263

SK ORDER NO. 9

APPROVED FOR ADVERTISING BY THE BOARD OF PUBLIC WORKS SEATTLE WASHINGTON 19		NAME OR INITIALS AND DATE DESIGNED _____ CHECKED _____ DRAWN BY _____ CHECKED _____	INITIALS AND DATE REVIEWED: DES. CONST. TRANS. SVC. PROJ. MGR. RECEIVED _____ REVISED AS BUILT _____
ATTEST: _____ EXECUTIVE SECRETARY	CHUBMAN _____ PROJECT NO. _____	All work done in accordance with the City of Seattle Standard Plans and Specifications in effect on the date shown above, and supplemented by Special Drawings.	



THE CITY OF SEATTLE
DEPARTMENT OF ENGINEERING
EUGENE V. AVERY P.E., DIRECTOR OF ENGINEERING

ORDINANCE NO. _____
FUND: _____
SCALE: H.T. = 20' V. _____
APPROVED _____
INSPECTOR'S BOOK NO. _____

EXHIBIT "C"
SR 90 CS 1705
CONSTRUCTION AGREEMENT NO. _____ TASK ORDER # _____
SO. JUDKINS ST. UTILITY RECONSTRUCTION

DICK TIMM
LOCATION ENGINEER

R.E. BOCKSTRUCK, P.E.
DISTRICT ADMINISTRATOR

SHEET 3 OF 12


PC	S1191A
R/W	S1191B
CO	S1191C
VALVE PLAN NO.	777-346
SHEET	12 OF 57


EXHIBIT "C"

SR 90 CS 1705
 CONSTRUCTION AGREEMENT NO. _____ TASK ORDER #
 SO. JUDKINS ST. UTILITY RECONSTRUCTION

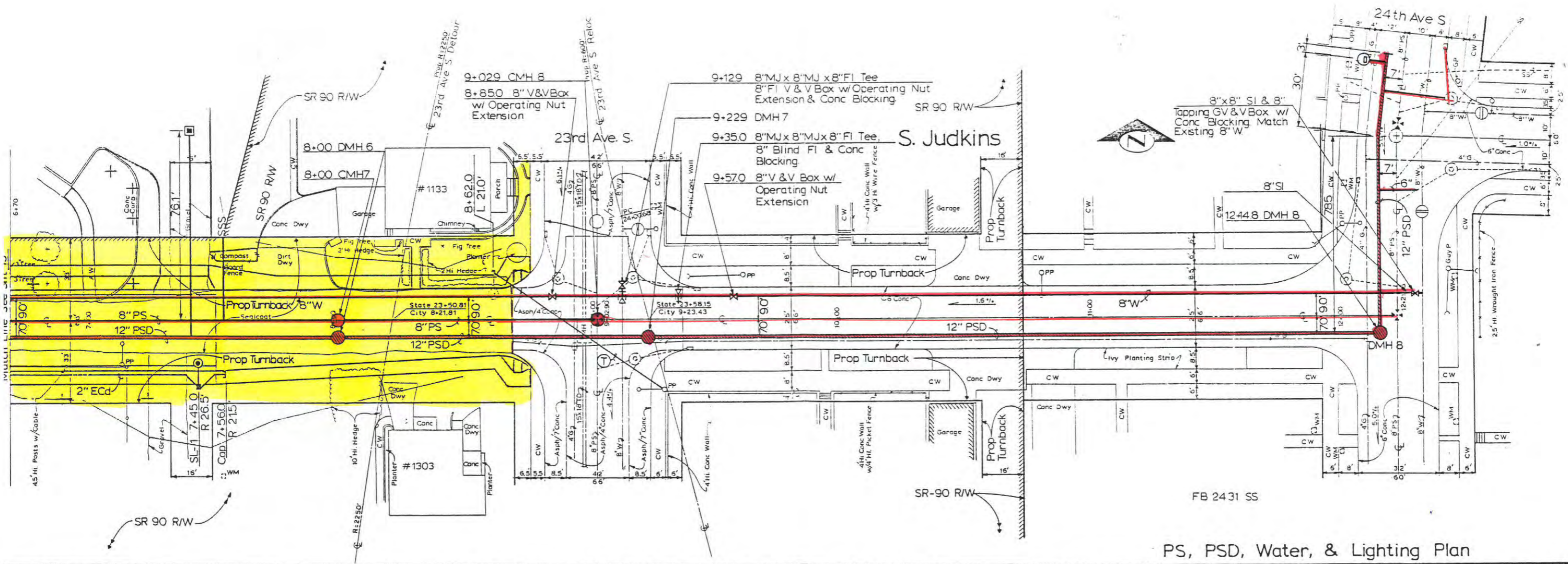
DICK TIMM R.E. BOCKSTRUCK, P.E.
 LOCATION ENGINEER DISTRICT ADMINISTRATOR

SHEET **5** OF **12**

 PROPOSED

 EXISTING

For Lighting Legend See Sht 2
 For Removal See Sht 6
 For Paving See Sht 18
 For Landscaping See Sht 25
 For Channelization See Sht 31
 For PS, PSD Profiles See Shts 39-40
 For Watermain Profile See Sht 41-42



PS, PSD, Water, & Lighting Plan

GC7263
TASK ORDER NO. 9

APPROVED FOR ADVERTISING BY THE BOARD OF PUBLIC WORKS SEATTLE WASHINGTON _____ 19____		NAME OR INITIALS AND DATE	INITIALS AND DATE
DESIGNED _____	CHECKED _____	DESIGNED _____	REVIEWED _____
DRAWN _____	CHECKED _____	TRANS. SVC. _____	CONST. _____
DESIGN REVIEW _____	RECEIVED _____	PROJ. MGR. _____	PROJ. MGR. _____
ATTEST: _____	CHAIRMAN _____	RECEIVED AS BUILT _____	
EXECUTIVE SECRETARY _____	PROJECT NO. _____	All work done in accordance with the City of Seattle Standard Plans and Specifications in effect on the date shown above, and supplemented by Special Provisions.	



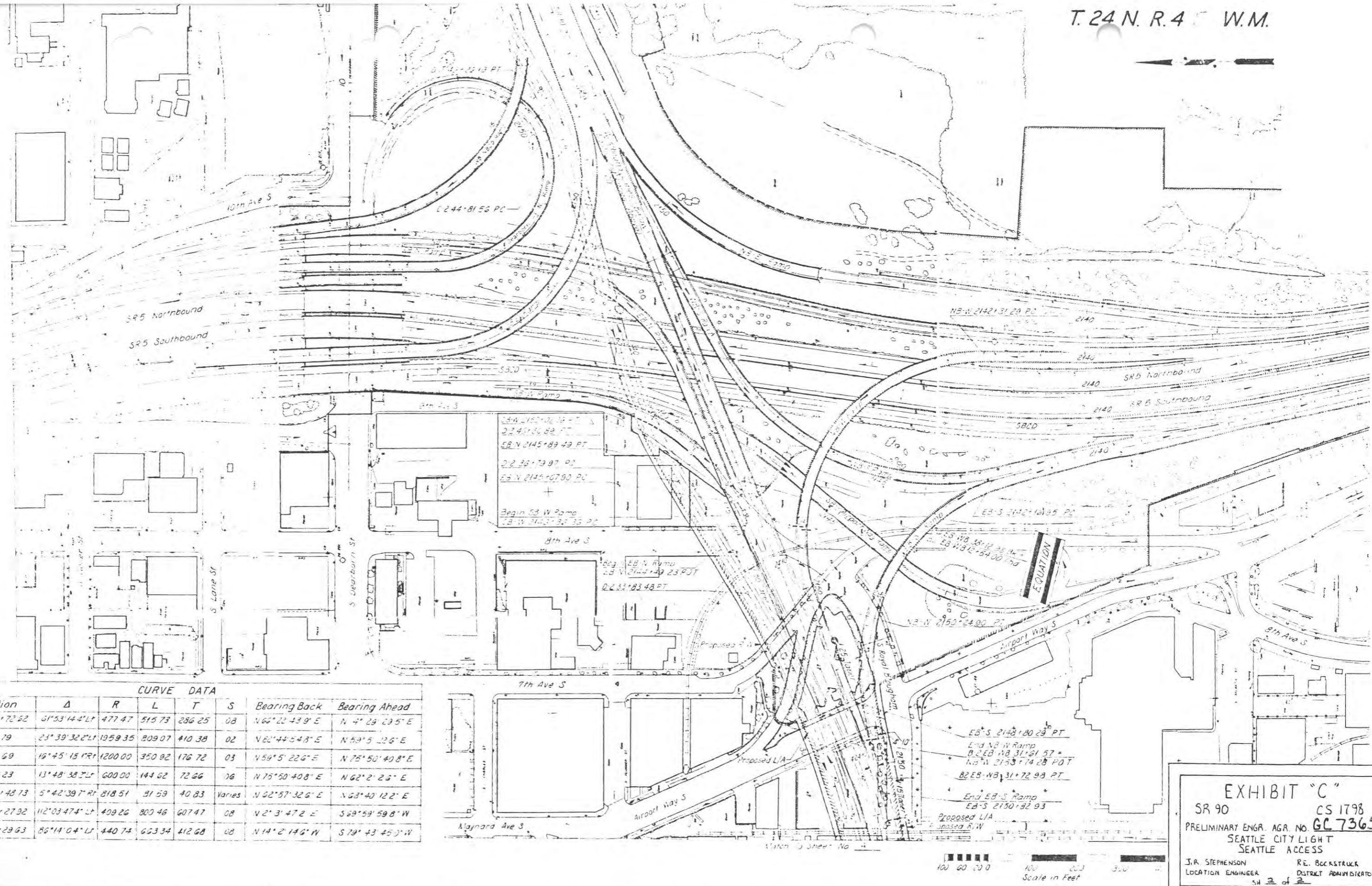
THE CITY OF SEATTLE
 DEPARTMENT OF ENGINEERING
 EUGENE V. AVERY P.E., DIRECTOR OF ENGINEERING

ORDINANCE NO. _____
 FUND: _____
 SCALE: H:V 2020' V.

APPROVED _____
 INSPECTOR'S BOOK NO. _____

SR90-Seattle
Street and Utility Reconstruction
 Contract S Judkins St et al
 by Paving, Sewers, Stormdrains, Watermains etc

JOB NO.	PC S1191A
R/W	S1191B
CO	S1191C
VAULT PLAN No.	777-346
SHEET	14 OF 57



CURVE DATA								
PI Station	Δ	R	L	T	S	Bearing Back	Bearing Ahead	
SB-W 2149+72.62	61°53'14.2" L	477.47	515.73	286.25	08	N 66° 22' 43.9" E	N 4° 29' 23.5" E	
D-2 29+84.79	23° 39' 32.2" L	1059.35	809.07	410.38	02	N 60° 42' 54.8" E	N 59° 5' 22.6" E	
D-2 38+56.69	16° 45' 15.1" R	1200.00	350.92	176.72	03	N 59° 5' 22.6" E	N 75° 50' 40.8" E	
D-2 45+54.23	13° 48' 38.7" L	600.00	144.62	72.66	06	N 75° 50' 40.8" E	N 62° 2' 2.6" E	
EB-N 2145+48.73	5° 42' 39.7" R	818.51	31.59	40.83	Varies	N 62° 57' 32.6" E	N 63° 40' 12.2" E	
NB-W 2143+27.92	112° 03' 47.4" L	409.26	800.46	607.47	08	N 2° 3' 47.2" E	S 89° 59' 59.8" W	
EB-S 2146+29.63	86° 14' 04.1" L	440.74	663.34	412.68	08	N 14° 2' 14.6" W	S 79° 43' 45.0" W	

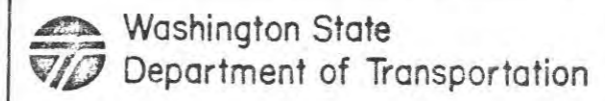
EXHIBIT "C"

SR 90 CS 1798
 PRELIMINARY ENGR. AGR. NO. **GC 7365**
 SEATTLE CITY LIGHT
 SEATTLE ACCESS

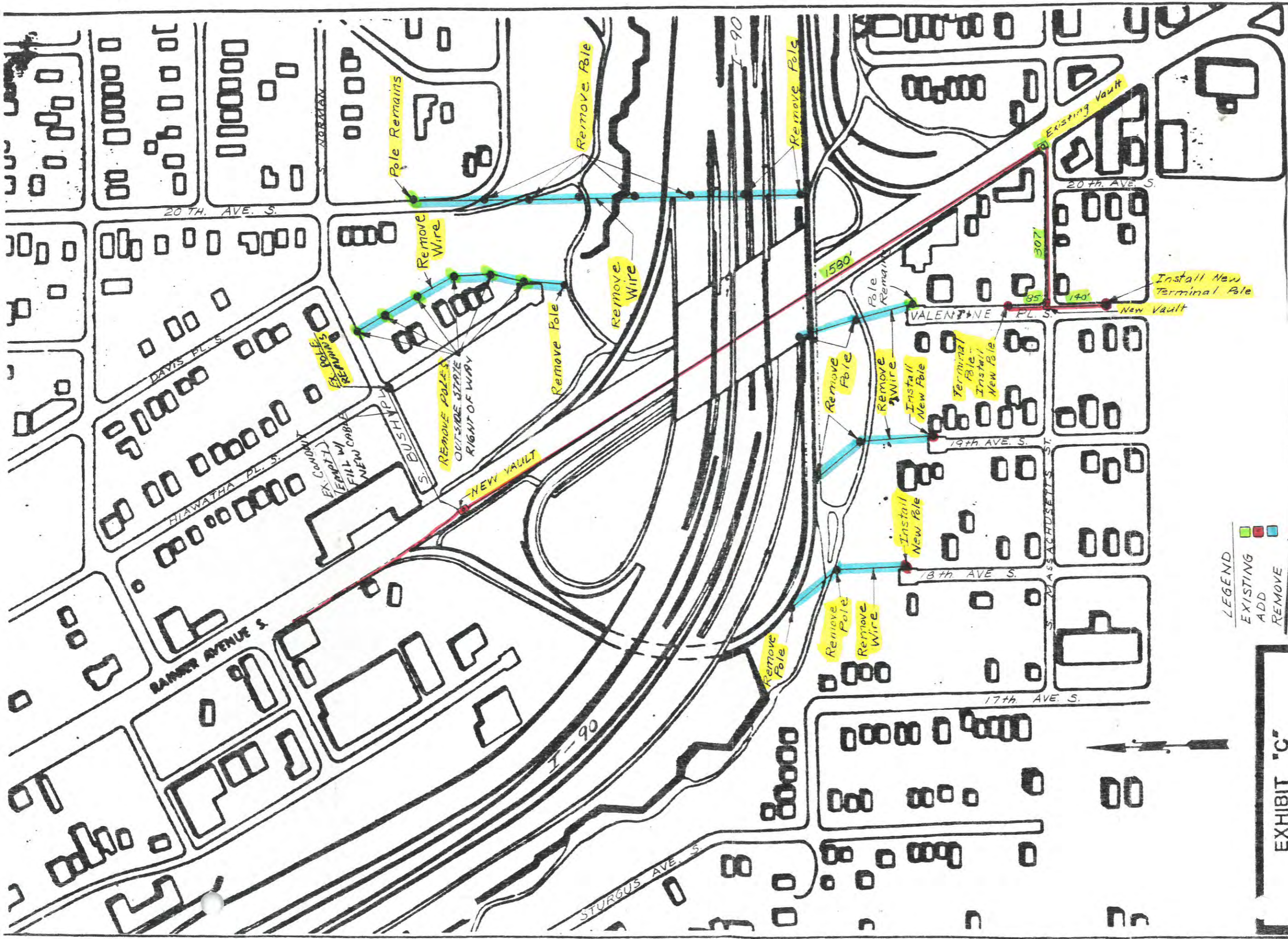
J.R. STEPHENSON RE. BOCKSTRAUK
 LOCATION ENGINEER DISTRICT ADMINISTRATOR
 SH 2 of 2

DRAWN	M. LANFAR	DATE		STATE	10	FED. AID PROJ. NO.	WASH
CHECKED	R. TUBISK	REVISION		JOB NUMBER	6673	CONTRACT NO.	
PROJ. ENGR.		BY/APP'D					
DIST. ADM.							

THE AREA SHOWN IS INFLUENCED
 UNDER THIS AGREEMENT



SR-90
 SEATTLE ACCESS
GC 7365
 INTERCHANGING FOR APPROVAL



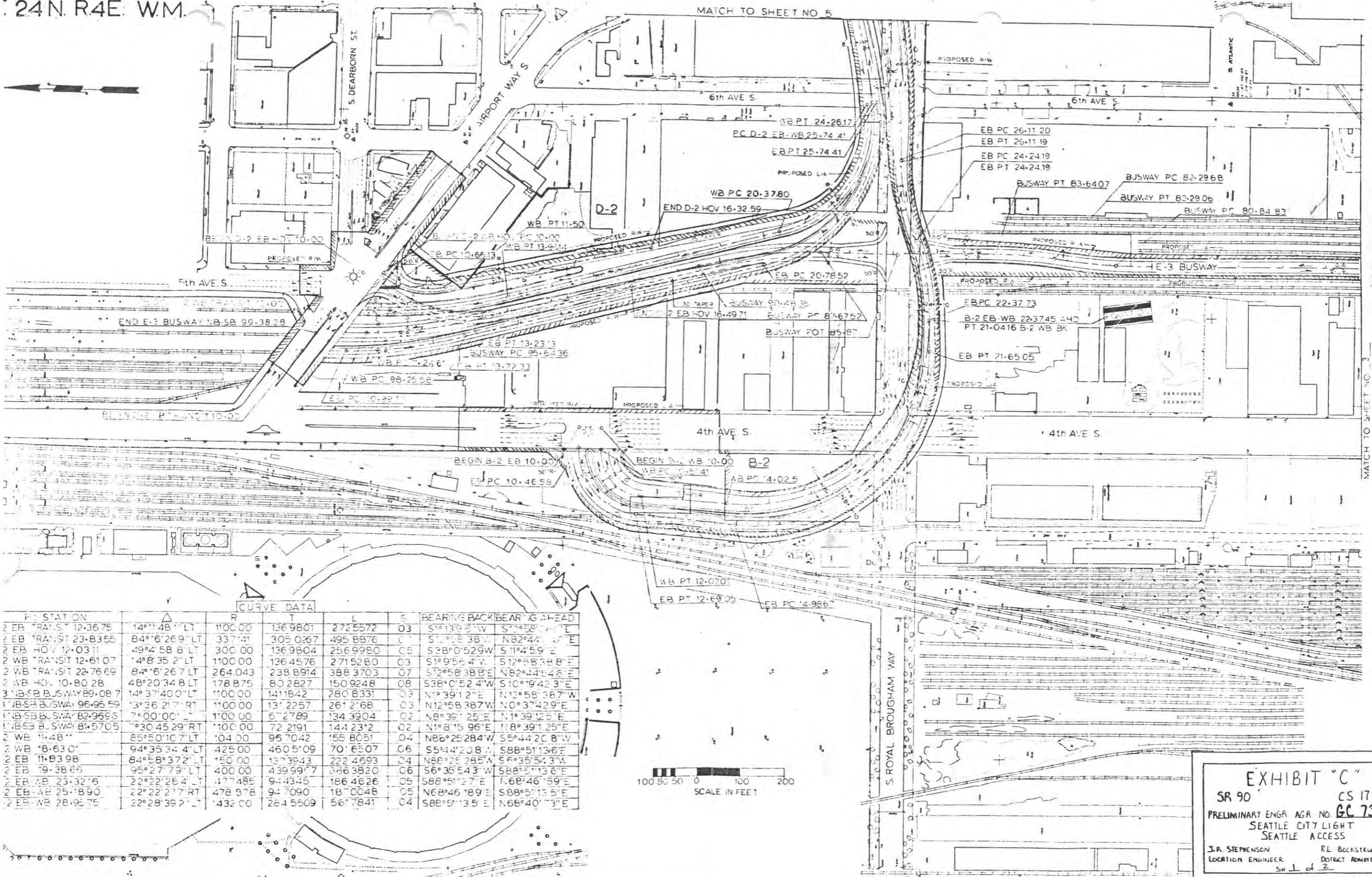
LEGEND
 EXISTING
 ADD
 REMOVE

EXHIBIT "C"

SR 90 CS 1798
 AGREEMENT NO. GC 7263 TASK ORDER #3
 28KV POWER CKT. RAINIER AVE. CONST.
 SEATTLE CITY LIGHT

JOHN STEPHENSON R. BOCKSTRUCK
 LOCATION ENGINEER DISTRICT ADMIN.

SHEET 1 OF 1



CURVE DATA

STATION	Δ	R	T	L	S	BEARING BACK	BEARING AHEAD
2 EB TRANSIT 12-3675	14°11'48" LT	1100.00	136.9801	272.5572	03	S1°13'05"W	S12°58'31"E
2 EB TRANSIT 23-8355	84°16'26.9" LT	337.41	305.0267	495.8876	01	S1°08'38"W	N82°44'11"E
2 EB HOV 12-0311	49°4'58.8" LT	300.00	136.9804	256.9960	05	S38°0'52.9"W	S11°4'59"E
2 WB TRANSIT 12-6107	14°8'35.2" LT	1100.00	136.4576	271.5280	03	S1°9'56.4"W	S12°58'38.8"E
2 WB TRANSIT 22-7669	84°16'26.7" LT	264.043	238.8914	388.3703	07	S12°58'38.8"E	N82°44'54.6"E
2 WB HOV 10-8028	48°20'34.8" LT	178.875	80.2827	150.9248	08	S38°0'52.4"W	S10°9'42.3"E
3 NB SB BUSWAY 89-087	14°37'40.0" LT	1100.00	141.1842	280.8331	03	N°39'12"E	N12°58'38.7"W
1 NB SB BUSWAY 96-9559	13°36'21.7" RT	1100.00	131.2257	261.2168	03	N12°58'38.7"W	N0°37'42.9"E
1 NB SB BUSWAY 82-9693	7°00'00" RT	1100.00	67.2789	134.3904	02	N8°39'12.5"E	N1°39'12.5"E
1 NB SB BUSWAY 81-5705	7°30'45.29" RT	1100.00	72.2191	144.2312	02	N1°8'15.96"E	N8°39'12.5"E
2 WB 11-4811	85°50'10.7" LT	104.00	95.7042	155.8051	04	N86°25'28.4"W	S5°44'20.8"W
2 WB 18-6301	94°35'34.4" LT	425.00	460.5109	701.6507	06	S5°44'20.8"W	S88°51'13.6"E
2 EB 11-8398	84°58'37.2" LT	150.00	137.3943	222.4693	04	N86°25'28.5"W	S6°35'54.3"W
2 EB 19-3865	95°27'7.9" LT	400.00	439.9967	666.3820	06	S6°35'54.3"W	S88°51'13.6"E
2 EB WB 23-3216	22°22'28.4" LT	177.485	94.4345	186.4626	05	S88°51'27"E	S168°46'19.9"E
2 EB WB 25-1890	22°22'27.7" RT	478.578	94.7090	187.0048	05	N68°46'18.9"E	S88°51'13.5"E
2 EB WB 28-9575	22°28'39.2" LT	432.00	264.5509	561.7841	04	S88°51'13.5"E	N68°40'17.3"E

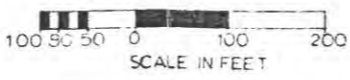


EXHIBIT "C"

SR 90 CS 1798

PRELIMINARY ENGR. AGR. NO. **GC 7365**

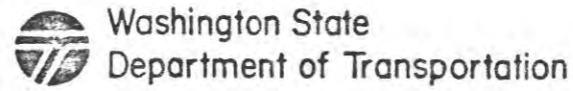
SEATTLE CITY LIGHT
SEATTLE ACCESS

J.R. STEPHENSON LOCATION ENGINEER RE. BOCKSTUCK DISTRICT ADMINISTRATOR

SH 1 of 2

STATE	10	WASH
FED. AID PROJ. NO.		
JOB NUMBER	1019	
CONTRACT NO.		

THE AREA SHOWN IS INFLUENCED
UNDER THIS AGREEMENT



SR-90
SEATTLE ACCESS
GC7365

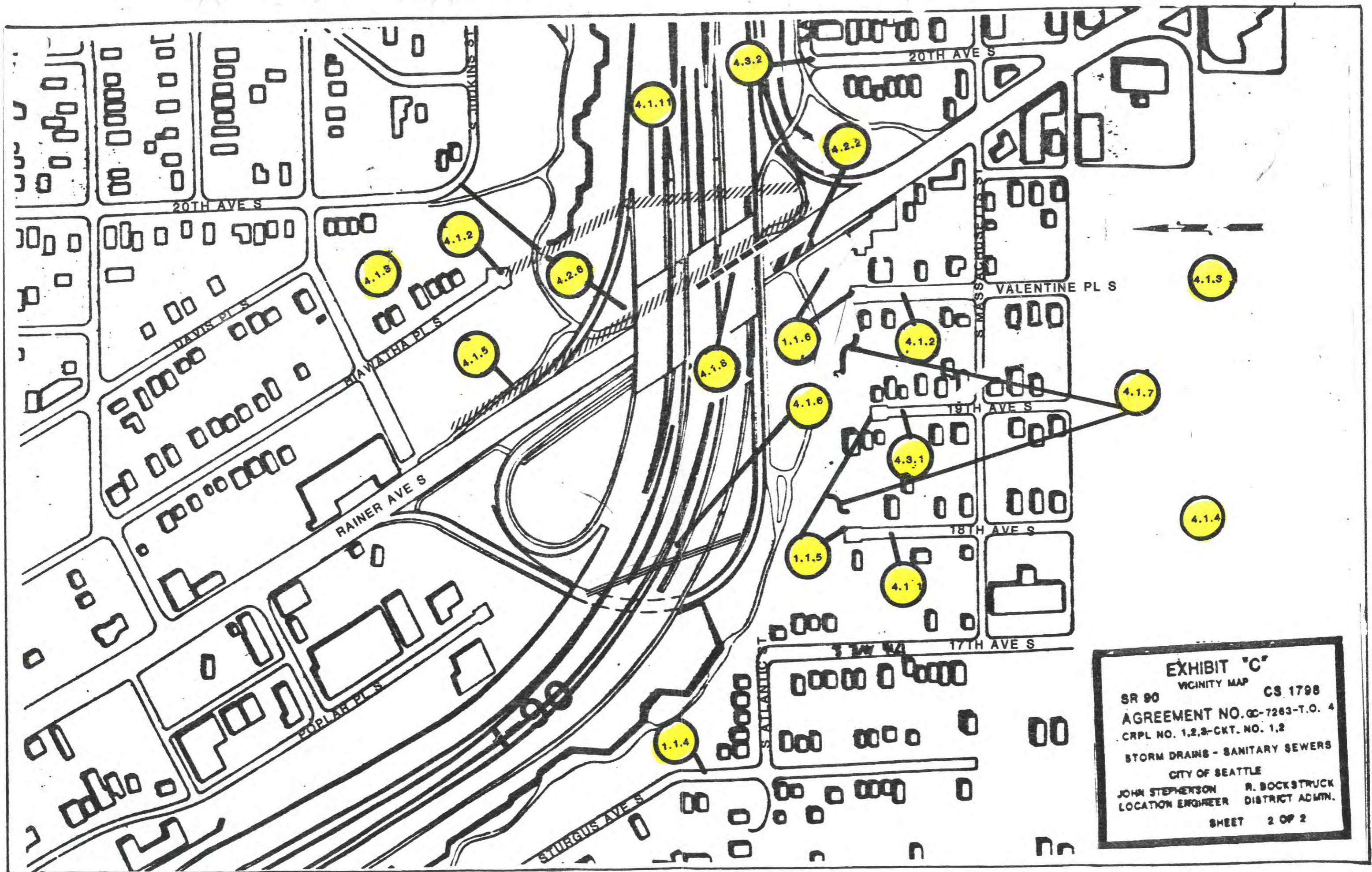
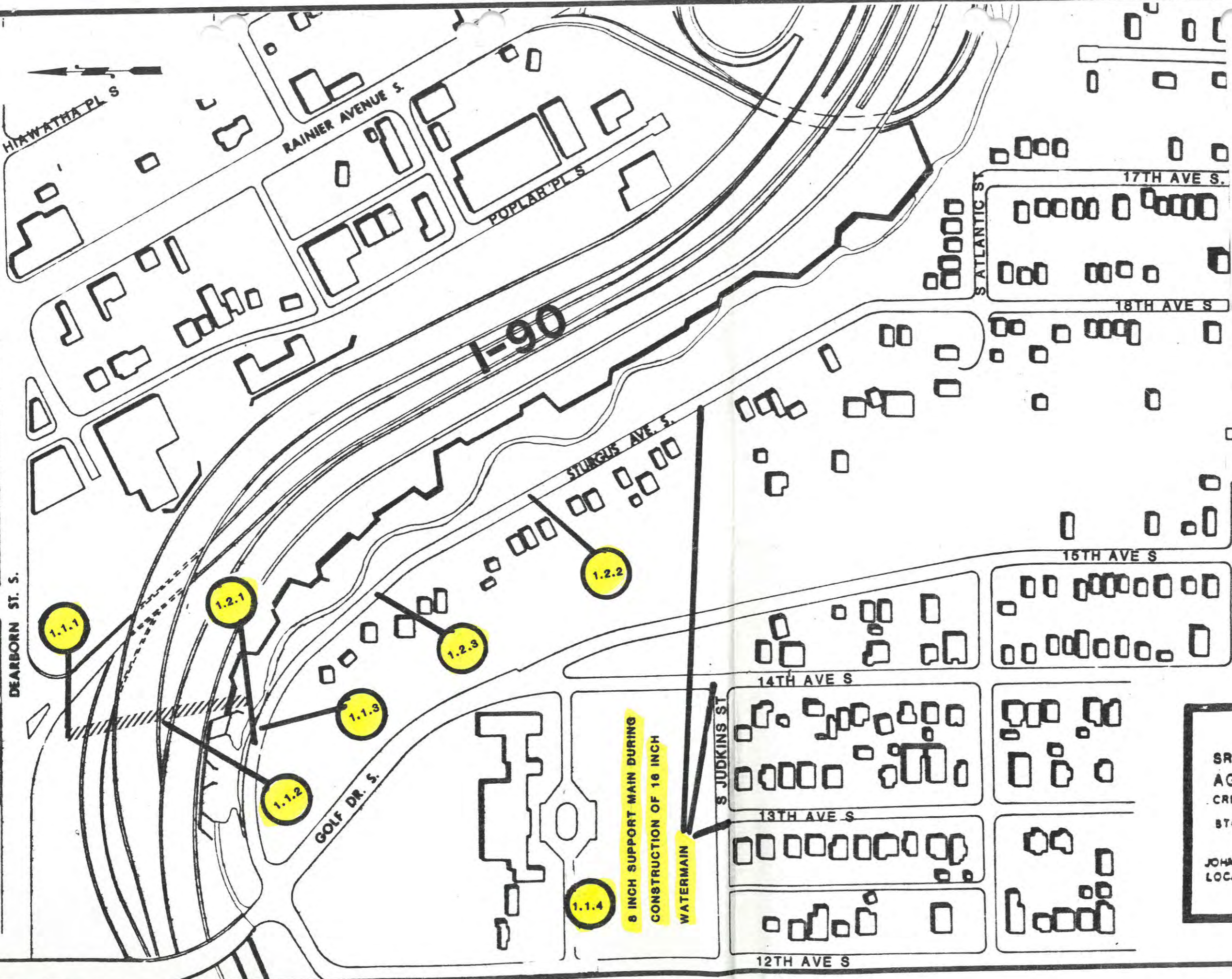
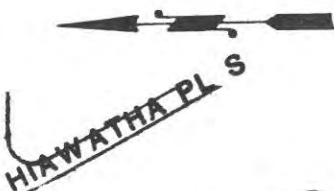


EXHIBIT "C"
 VICINITY MAP
 SR 90 CS 1798
 AGREEMENT NO. GC-7263-T.O. 4
 CRPL NO. 1,2,3-CKT. NO. 1,2
 STORM DRAWS - SANITARY SEWERS
 CITY OF SEATTLE
 JOHN STEPHERSON R. BOCKSTRUCK
 LOCATION ENGINEER DISTRICT ADMN.
 SHEET 2 OF 2



**8 INCH SUPPORT MAIN DURING
CONSTRUCTION OF 16 INCH
WATERMAIN**

EXHIBIT "C"
VICINITY MAP
SR 90 CS 1798
AGREEMENT NO. GC-7263-T.O. 4
CRPL NO. 1,2,3-CKT. NO. 1,2
STORM DRAINS - SANITARY SEWERS
CITY OF SEATTLE
JOHN STEPHENSON R. BOCKSTRUCK
LOCATION ENGINEER DISTRICT ADMN.
SHEET 1 OF 2