

Bremerton Tunnel Construction Cooperative Agreement
GCA-4924
SUPPLEMENT NO. 1

THIS SUPPLEMENTAL NO. 1 to the original AGREEMENT is made and entered into this 16TH day of MAY, 2007 between the STATE OF WASHINGTON, Department of Transportation, hereinafter the "STATE," and the City of Bremerton, hereinafter the "CITY."

WHEREAS, the Parties hereto entered into the original AGREEMENT GCA-4924 on November 2, 2006 for the construction of improvements to SR 304 by the project entitled "SR 304 – Downtown Bremerton Pedestrian / Bremerton Transportation Center (BTC) Access Improvement Project," hereinafter the "PROJECT," located from M.P. 2.79 to M.P. 3.01, and

WHEREAS, the CITY will furnish decorative streetlight standards for the illumination that is required for the PROJECT, as detailed in Exhibit F, and

WHEREAS, electrical power services are necessary for the streetlights as well as signal systems on the PROJECT, as detailed in Exhibit F, and

WHEREAS, the STATE is the responsible party for the cost of the electrical power services and decorative streetlight standards per legislative appropriation for the PROJECT, and

WHEREAS, the original AGREEMENT also needs to be amended to provide for an updated estimate to the Combined Sewer Outfall "CSO" work to reflect current bid items nearing the advertisement of the PROJECT.

NOW, THEREFORE, pursuant to RCW 47.28.140 and chapter 39.34 RCW 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:

1. Exhibit B of the original AGREEMENT is hereby deleted and replaced with Exhibit B-1, attached hereto and by this reference made a part hereof.
2. Section 6, **CITY SERVICES FOR PROJECT AND CSO**, of the original AGREEMENT GCA-4924 is supplemented to include the following:

6.3 The CITY shall provide forty two (42) decorative streetlight standards for the PROJECT at locations identified in Exhibit F, attached hereto and by this reference made a part hereof. The streetlight standards shall include anchor bolts, mounting hardware, pole base, light pole, mast arms, luminaires, and fixtures. The CITY shall provide the STATE a Materials of Origin Certification, Bill of Lading, and a Paid Invoice for said streetlight standards. The STATE shall reimburse the CITY for the actual, direct, and related indirect costs for the procurement of the decorative streetlight standards. An itemized estimate of cost associated with the procurement of the streetlight standards is marked as Exhibit E, attached hereto and by this reference made part hereof. Upon completion of the installation of the decorative streetlight standards by the STATE, the CITY shall be responsible for ownership, operation, and maintenance.

6.4 The CITY shall provide electrical power services for the decorative streetlights and traffic signals systems constructed by the PROJECT at the locations detailed in Exhibit F. The STATE shall reimburse the CITY for the actual direct, and related indirect costs to provide the electrical services. An itemized estimate of cost associated with providing the electrical power services is marked as Exhibit D, attached hereto and by this reference made part hereof. Upon completion of the electrical power services the CITY shall be responsible for the ownership, operation, and maintenance of said electrical power services, including the future costs of electricity.

3. Section 7.9 of the original AGREEMENT GCA-4924 is hereby deleted and replaced with the following:

7.9 The CITY agrees to pay the STATE an advance payment amount of two hundred thousand five hundred three dollars (\$200,503) within 20 days after the STATE submits its first partial payment request to the CITY. The advance payment represents approximately fifteen (15) percent of the estimate of cost and covers costs incurred by the STATE in the initial stages of the contract. The advance payment will be carried throughout the life of the contract with final adjustment made in the final payment.

4. Section 7 of the original AGREEMENT GCA-4924 is supplemented to include the following:

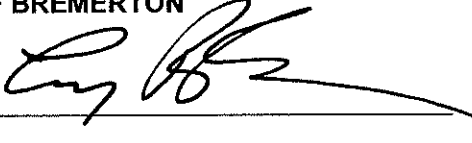
7.11 The STATE, in consideration of the faithful performance of work provided by the CITY, agrees to reimburse the CITY for the actual direct and related indirect cost of the work as described in sections 6.3 and 6.4.


All other terms and conditions of the original AGREEMENT GCA-4924 shall remain in full force and effect as modified by this SUPPLEMENT NO. 1.

IN WITNESS WHEREOF, the Parties hereto have executed this SUPPLEMENT NO. 1 as of the day and year first above written.

CITY OF BREMERTON

STATE OF WASHINGTON
DEPARTMENT OF TRANSPORTATION

By: 
Cary Bozeman, Mayor


By: 
Kevin J. Dayton, Region Administrator

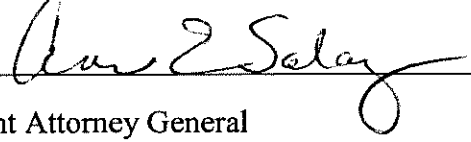
Date: 5-9-07

Date: May 16, 2007

APPROVED AS TO FORM

APPROVED AS TO FORM

By:  for
CITY Attorney

By: 
Assistant Attorney General

Date: 5-8-07

Date: 4-16-07

GCA-4924
Exhibit B-1
Downtown Bremerton Pedestrian/BTC Access Improvements

CSO – Combined Sewer Outfall
Construction Estimate

Group Summary:

	<u>Group 3</u>	<u>Group 4</u>	<u>Total</u>
Subtotal	\$61,751.52	\$1,110,785.44	\$1,172,536.96
Engineering 10.00%	\$6,175.15	\$111,078.54	\$117,253.69
Contingencies 4.00%	\$2,470.06	\$44,431.42	\$46,901.48
Administrative Overhead (1)	\$0.00	\$0.00	\$0.00
TOTAL:	\$70,396.73	\$1,266,295.40	\$1,336,692.13

Note: (1) Per Overhead Agreement OH-00166

PS&E JOB NO: 07C515
 CONTRACT NO: 000000
 WORK ORDER#: TA2511

WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
 ESTIMATES AND BIDS ANALYSIS SYSTEM
 *** PRELIMINARY ESTIMATE - BY GROUP ***
 GROUP NO : 3

DATE: 03/27/2007 PAGE: 14
 TIME: 16:19 VER: 1
 DOT_RGG300

PROGRAM ITEM NUMBER : 330405A
 CONSTR. TYPE CODE :
 PROGRAM CODE : P9
 STATE ROUTE(S) : 304
 COUNTY : KITSAP
 CONTROL SECTION/SALES TAX : 188000 /8.60%
 SAFETY CLASS CODE :
 FUND NO: 2 PARTICIPANT: CITYBREM GCA-4924

CSO-COMBINED SEWER OUTFALL. CITY OF BREMERTON WORK ON WSF PROPERTY

PARTICIPATION PERCENT: 100.00% MAX AMOUNT:

ITEM NO.	STD. NO.	ITEM DESCRIPTION	UNIT MEAS	UNIT PRICE	QUANTITY	AMOUNT
1	0001	MOBILIZATION	L.S.			5,900.00
2	0038	ARCHAEOLOGICAL AND HISTORICAL SALVAGE	EST.			250.00
24	3151	TESTING STORM SEWER PIPE	L.F.	3.0000	80.00	240.00
32		HDPE DR 32.5 STORM SEWER PIPE 48 IN. DIAM.	L.F.	400.0000	80.00	32,000.00
95		TEMPORARY EROSION AND SEDIMENT CONTROL (TESC) PLAN	L.S.			644.44
144	7006	STRUCTURE EXCAVATION CLASS B INCL. HAUL	C.Y.	30.0000	339.00	10,170.00
146	7008	SHORING OR EXTRA EXCAVATION CLASS B	S.F.	6.0000	1,193.00	7,158.00
177	7728	MINOR CHANGE	CALC			-1.00
217	7730	FUEL COST ADJUSTMENT	CALC			500.00
GROUP 3 BASE SUBTOTAL :						56,861.44 *

WASHINGTON STATE SALES TAX 8.60% OF \$ 56,861.44

GROUP 3 SUBTOTAL

ENGINEERING 10.00%

GROUP 3 TOTAL

4,890.08
 61,751.52 **
 6,175.15
 67,926.67 ***

PS&E JOB NO: 07C515
 CONTRACT NO: 000000
 WORK ORDER#: TA2511

WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
 ESTIMATES AND BIDS ANALYSIS SYSTEM
 *** PRELIMINARY ESTIMATE - BY GROUP ***
 GROUP NO : 4

DATE: 03/27/2007 PAGE: 15
 TIME: 16:19 VER: 1
 DOT_RGG300

CSO--COMBINED SEWER OUTFALL. CITY OF BREMERTON WORK

PROGRAM ITEM NUMBER : 330405A
 CONSTR. TYPE CODE :
 PROGRAM CODE : P9
 STATE ROUTE(S) : 304
 COUNTY : KITSAP
 CONTROL SECTION/SALES TAX : 180301 /0.00%
 SAFETY CLASS CODE :
 FUND NO: 2 PARTICIPANT: CITYBREM GCA-4924

PARTICIPATION PERCENT: 100.00% MAX AMOUNT:

ITEM NO.	STD. NO.	ITEM DESCRIPTION	UNIT MEAS	UNIT PRICE	QUANTITY	AMOUNT
1	0001	MOBILIZATION	L.S.			114,500.00
2	0038	ARCHAEOLOGICAL AND HISTORICAL SALVAGE	EST.			250.00
20	3091	CATCH BASIN TYPE 1	EACH	1,100.0000	1.00	1,100.00
21	3105	CATCH BASIN TYPE 2 48 IN. DIAM.	EACH	2,800.0000	1.00	2,800.00
24	3151	TESTING STORM SEWER PIPE	L.F.	3.0000	1,579.00	4,737.00
25	3541	SCHEDULE A STORM SEWER PIPE 12 IN. DIAM.	L.F.	35.0000	77.00	2,695.00
31		HDPE DR 32.5 STORM SEWER PIPE 36 IN. DIAM.	L.F.	325.0000	1,163.00	377,975.00
32		HDPE DR 32.5 STORM SEWER PIPE 48 IN. DIAM.	L.F.	400.0000	339.00	135,600.00
76	5334	ANTI-STRIPPING ADDITIVE	EST.			180.00
78	5711	PLANING BITUMINOUS PAVEMENT	S.Y.	7.0000	1,390.00	9,730.00
79	5767	HMA CL. 1/2 IN. PG 64-22	TON	70.0000	174.00	12,180.00
80	5830	JOB MIX COMPLIANCE PRICE ADJUSTMENT	CALC			370.00
81	5835	COMPACTION PRICE ADJUSTMENT	CALC			240.00
82	5875	COMMERCIAL HMA	TON	55.0000		
82	6516	CYCLIC DENSITY PRICE ADJUSTMENT	CALC			30.00
83		ASPHALT COST PRICE ADJUSTMENT	CALC			148.00
85	6403	ESC LEAD	DAY	200.0000	20.00	4,000.00
88	6470	STREET CLEANING	HR	125.0000	40.00	5,000.00
91	6478	STRAW BALE	EACH	25.0000	10.00	250.00
92	6490	EROSION/WATER POLLUTION CONTROL	EST.			80,000.00
95		TEMPORARY EROSION AND SEDIMENT CONTROL (TESC) PLAN	L.S.			644.44
109	6859	PLASTIC STOP LINE	L.F.	8.0000	12.00	96.00
131	6973	OTHER TEMPORARY TRAFFIC CONTROL	L.S.			7,900.00

SR 304
 DOWNTOWN BREMERTON PEDESTRIAN/
 BTC ACCESS IMPROVEMENTS
 06C514

PS&E JOB NO: 07C515
 CONTRACT NO: 000000
 WORK ORDER#: TA2511

WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
 ESTIMATES AND BIDS ANALYSIS SYSTEM
 *** PRELIMINARY ESTIMATE - BY GROUP ***
 GROUP NO : 4

DATE: 03/27/2007 PAGE: 16
 TIME: 16:19 VER: 1
 DOT_RGG300

ITEM NO.	STD NO.	ITEM DESCRIPTION	UNIT MEAS	UNIT PRICE	QUANTITY	AMOUNT
133	6992	OTHER TRAFFIC CONTROL LABOR	HR	45.0000	120.00	5,400.00
134	6974	TRAFFIC CONTROL SUPERVISOR	L.S.			14,835.00
144	7006	STRUCTURE EXCAVATION CLASS B INCL. HAUL	C.Y.	30.0000	6,357.00	190,710.00
146	7008	SHORING OR EXTRA EXCAVATION CLASS B	S.F.	6.0000	16,861.00	101,166.00
166	7364	MANHOLE 60 IN. DIAM. TYPE TYPE 3	EACH	5,000.0000	1.00	5,000.00
167	7365	MANHOLE 72 IN. DIAM. TYPE TYPE 3	EACH	6,000.0000	4.00	24,000.00
168	7366	MANHOLE 84IN. DIAM. TYPE TYPE 3	EACH	8,000.0000	1.00	8,000.00
177	7728	MINOR CHANGE	CALC			-1.00
178	7736	SPCC PLAN	L.S.			750.00
217	7730	FUEL COST ADJUSTMENT	CALC			500.00
GROUP 4 BASE SUBTOTAL :						1,110,785.44 *
ENGINEERING 10.00%						111,078.54
GROUP 4 TOTAL						1,221,863.98 ***

GCA-4924
Supplement No. 1
Exhibit D

City of Bremerton Electrical Services

Description of Work

The City of Bremerton is providing Puget Sound Energy (PSE) electrical services for streetlight and signal systems for the SR 304 – Downtown Bremerton Pedestrian/Bremerton Transportation Center (BTC) Access Improvement Project. The streetlight and signal systems will be owned and maintained by the CITY upon completion of the Project. Costs to provide electrical services for streetlight and signal systems will be paid by the CITY and reimbursed by the STATE.

Estimate of Cost

Three (3) Electrical Service Agreements:	\$5,157.85
Administrative Overhead (1)	\$0
TOTAL:	\$5,157.85

Note: (1) Per Overhead Agreement OH-00166

GCA-4924
Supplement No. 1
Exhibit E

City of Bremerton Supplied Decorative Street Lights

Description of Work

The City of Bremerton will furnish 42 decorative streetlight standards for the Bremerton Tunnel Project meeting City requirements for the downtown district. The decorative streetlight standards are the Hudson River Park Lamp Post as manufactured by Spring City Electrical Manufacturing Company. The City will furnish the standards, complete with anchor bolts and mounting hardware, and decorative luminaires. The materials will be made available for pickup by the Bremerton Tunnel Project Contractor at the City of Bremerton's Oyster Bay Maintenance and Operations Facility located at 100 Oyster Bay Road, Bremerton.

Estimate of Cost

Hudson River Park Lamp Posts, including luminaires, 42 @ \$6037 each:	\$253,554
Anchor bolts and mounting hardware:	\$5,000
Sales Tax @ 8.6 %:	\$22,236
Administrative Overhead (1)	\$0
Total:	\$280,790

Note: (1) Per Overhead Agreement OH-00166

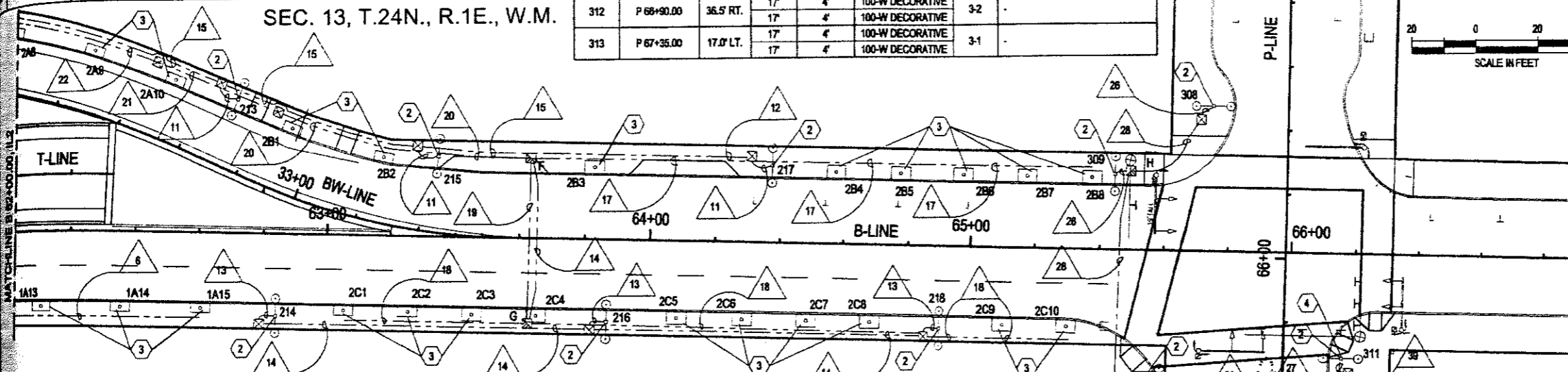
LUMINAIRE SCHEDULE

POLE STATION	POLE OFFSET	MOUNTING HEIGHT	LUMINAIRE ARM	LUMINAIRE TYPE	CIRCUIT NO.	REMARKS
B 82+85.00	24.5' RT.	17'	4'	100-W DECORATIVE	2-2	
		17'	4'	100-W DECORATIVE		
B 83+87.00	24.5' RT.	17'	4'	100-W DECORATIVE	2-2	
		17'	4'	100-W DECORATIVE		
B 84+90.00	24.5' RT.	17'	4'	100-W DECORATIVE	2-2	
		17'	4'	100-W DECORATIVE		
BW 32+70.00	19.5' RT.	17'	4'	100-W DECORATIVE	2-1	
		17'	4'	100-W DECORATIVE		
BW 33+44.00	19.5' LT.	17'	4'	100-W DECORATIVE	2-1	
		17'	4'	100-W DECORATIVE		

LUMINAIRE SCHEDULE (CONTINUED)

LUM. NO.	POLE STATION	POLE OFFSET	MOUNTING HEIGHT	LUMINAIRE ARM	LUMINAIRE TYPE	CIRCUIT NO.	REMARKS
217	B 64+38.00	24.5' LT.	17'	4'	100-W DECORATIVE	2-1	
			17'	4'	100-W DECORATIVE		
308	P 65+52.90	23.3' RT.	17'	4'	100-W DECORATIVE	3-1	
			17'	4'	100-W DECORATIVE		
309	B 65+53.00	24.5' LT.	17'	4'	100-W DECORATIVE	3-1	
			17'	4'	100-W DECORATIVE		
310	B 65+55.00	40.0' RT.	17'	4'	100-W DECORATIVE	3-2	
			17'	4'	100-W DECORATIVE		
311	P 66+32.00	17.0' LT.	17'	4'	100-W DECORATIVE	3-1	
			17'	4'	100-W DECORATIVE		
312	P 66+90.00	36.5' RT.	17'	4'	100-W DECORATIVE	3-2	
			17'	4'	100-W DECORATIVE		
313	P 67+35.00	17.0' LT.	17'	4'	100-W DECORATIVE	3-1	
			17'	4'	100-W DECORATIVE		

SEC. 13, T.24N., R.1E., W.M.



GENERAL NOTES

- ORIENT JUNCTION BOXES AS SHOWN ON THE PLANS AND DETAILS.
- TREE WELL JUNCTION BOXES SHALL BE INSTALLED PER DETAILS 1,2,3,4,5,& 6 ON SHEET ED4.
- SEE DWG. ED1 FOR TREE WELL LOCATION TABLE AND JUNCTION BOX TABLE.
- SEE DWG. ED2 FOR SINGLE LINE DIAGRAM.
- SEE DWG. ED4 AND ED5 FOR SIDEWALK, POLE, JUNCTION BOX AND CABINET FOUNDATION DETAILS.
- SYSTEM GROUNDING WIRES NOT SHOWN IN CONDUIT / WIRE SCHEDULE. INSTALL PER CODE.
- INSTALL 1 - 2" DIAMETER PMPY CONDUIT IN ALL ILLUMINATION RUNS EXCEPT RUN NO. 1, 2, 11, 13, 28, 29, 33 AND 39.

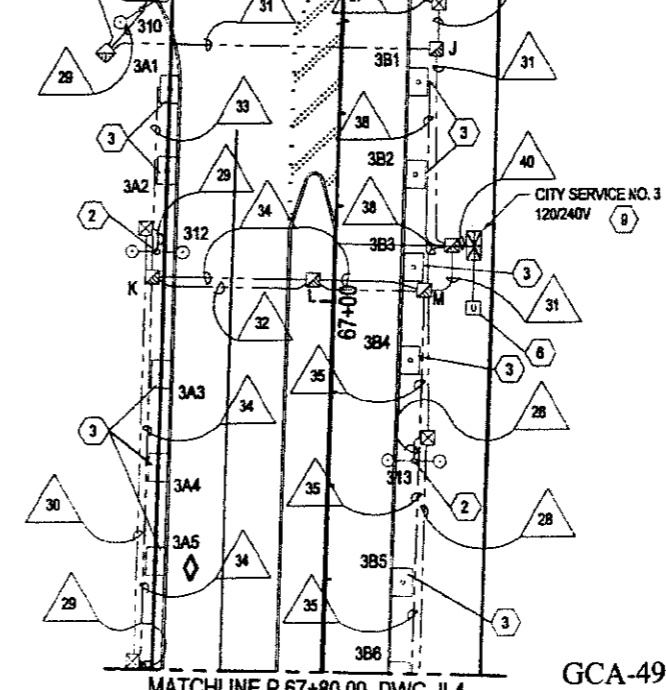
CONSTRUCTION NOTES

- CONSTRUCT FOUNDATION AT STATION AND CENTERLINE OFFSET SHOWN. SEE CITY OF BREMERTON STANDARD DWG. 7014, EXCEPT USE 4 ANCHOR BOLTS PER POLE MANUFACTURER'S RECOMMENDATIONS. FURNISH AND INSTALL DECORATIVE STEEL LIGHT STANDARD AND LUMINAIRES. FURNISH AND INSTALL TYPE 1 JUNCTION BOX ADJACENT TO STANDARD PER DWG. ED4, DETAILS 1, 2, 3, 4 & 5 APPROPRIATE TO ADJACENT SIDEWALK CONDITIONS
- FURNISH AND INSTALL TYPE 1 JUNCTION BOX ADJACENT TO TREE WELL PER DWG. ED4, DETAIL 6. FURNISH AND INSTALL MAINLINE CONDUIT AND WIRE INTO JUNCTION BOX PER WIRING SCHEDULE. COIL 3 FEET OF WIRE IN EACH JUNCTION BOX
- INSTALL PHOTOCELL ON STREET LIGHT POLE
- APPROXIMATE LOCATION FOR PSE HANDHOLE FOR SERVICE CONNECTION
- CONSTRUCT FOUNDATION FOR SERVICE CABINET AT STA. P 66+83.00, 29.0' LT. SEE SIGNAL PLANS AND INSTALL FOUNDATION PER DWG. ED5, DETAIL 7 AND DETAIL 9. FURNISH AND INSTALL SERVICE CABINET AND COMPONENTS FOR SERVICE NO. 3. SEE DWG. ED1 FOR SERVICE REQUIREMENTS AND BREAKER SCHEDULE

CONDUIT/WIRE SCHEDULE (ILLUMINATION AND TREE LIGHTS)

CONDUIT SIZE	SERVICE NO. 1				SERVICE NO. 2						SERVICE NO. 3			REMOTE PHOTOCELL	NOTES	
	ILLUMINATION CIRCUITS (240V)		TREE LIGHT CIRCUITS (120V)		ILLUMINATION CIRCUITS (240V)			TREE LIGHT CIRCUITS (120V)								
	1-1	1-2	1-A	1-B	2-1	2-2	2-A	2-B	2-C	3-1		3-2	3-A			3-B
2"	-	-	2-#4	-	-	-	-	-	-	-	-	-	-	-	-	-
1.5"	-	-	-	-	2-#8	-	-	-	-	-	-	-	-	-	-	-
2"	-	-	-	-	2-#8	-	-	-	-	-	-	-	-	-	-	-
1.5"	-	-	-	-	2-#8	-	-	-	-	-	-	-	-	-	-	-
2"	-	-	-	-	2-#8	2-#8	-	-	-	-	-	-	-	-	-	-
2"	-	-	-	-	2-#8	-	-	2-#4	-	-	-	-	-	-	-	-
2"	-	-	-	-	-	-	-	2-#4	-	-	-	-	-	-	-	-
2"	-	-	-	-	-	-	-	-	2-#4	-	-	-	-	-	-	-
2"	-	-	-	-	-	-	-	-	-	2-#4	-	-	-	-	-	-
2"	-	-	-	-	-	-	-	-	-	-	2-#4	-	-	-	-	-
2.5"	-	-	-	-	-	-	-	-	2-#2	2-#8	-	-	-	-	-	-
3"	-	-	-	-	-	-	-	2-#4	2-#2	2-#8	-	-	-	-	-	-
1.5"	-	-	-	-	-	-	-	-	-	-	2-#8	-	-	-	-	-
1.5"	-	-	-	-	-	-	-	-	-	-	2-#8	-	-	-	-	-
2"	-	-	-	-	-	-	-	-	-	-	2-#8	-	-	-	-	-
2"	-	-	-	-	-	-	-	-	-	-	-	2-#8	-	-	-	-
2"	-	-	-	-	-	-	-	-	-	-	-	-	2-#8	-	-	-
3"	-	-	-	-	-	-	-	-	-	-	-	-	-	2-#8	-	-
3"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2-#8	-
2"	-	-	-	-	-	-	-	-	-	-	2-#8	-	-	-	-	-
2"	-	-	-	-	-	-	-	-	-	-	-	2-#8	-	-	-	-
4"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(2)
2"	-	-	-	-	-	-	-	-	-	-	-	2-#4	-	-	-	-
2"	-	-	-	-	-	-	-	-	-	-	-	-	2-#10	-	-	-
3"	-	-	-	-	-	-	-	-	-	-	-	2-#2	2-#30	-	-	-
3"	-	-	-	-	-	-	-	-	-	-	-	2-#10	2-#2	2-#30	-	-
2"	-	-	-	-	-	-	-	-	-	-	2-#8	-	-	-	-	3-#12
4"	-	-	-	-	-	-	-	-	-	-	2-#8	2-#8	2-#10	2-#2	2-#30	3-#12

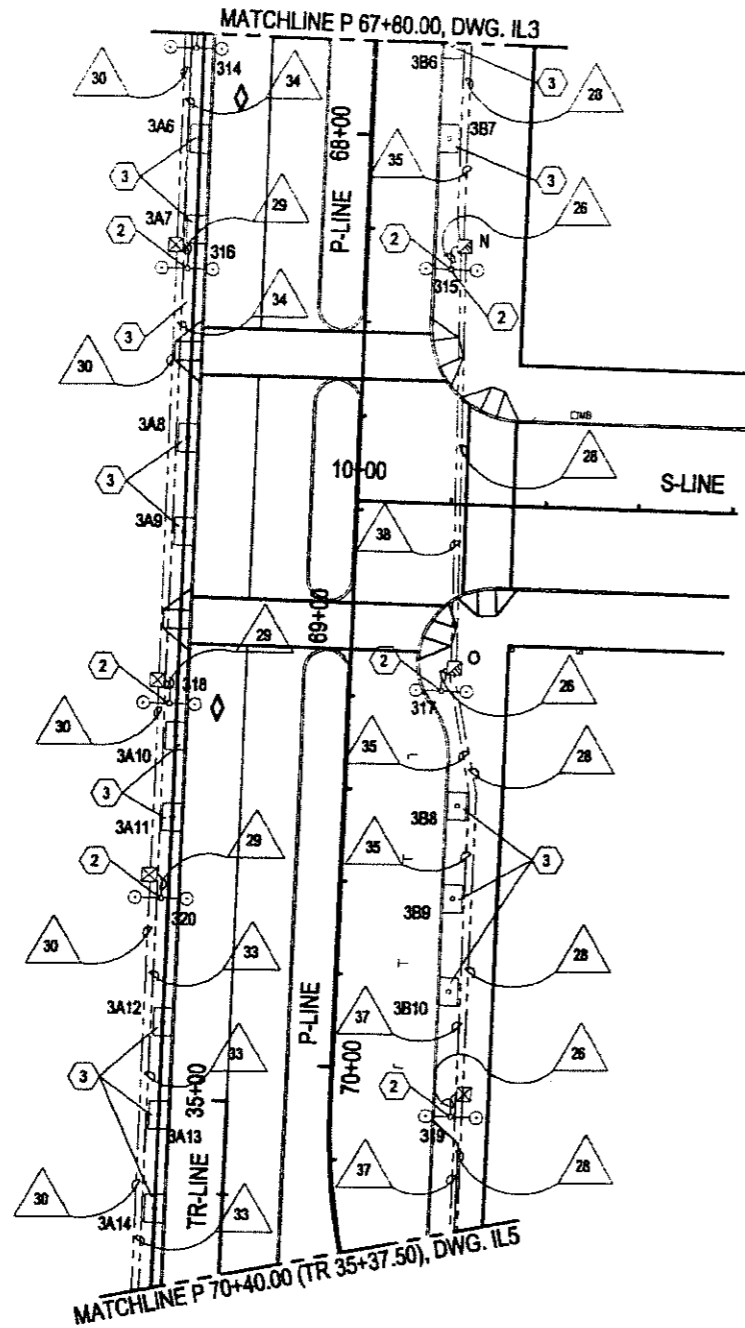
CONDUIT/WIRE SCHEDULE NOTES
 (1) INSTALL PULL ROPE
 (2) EMPTY
 (3) CAP CONDUIT AT LIMIT OF CONSTRUCTION
 (4) SCHEDULE 80 PVC



GCA-4924
 Supplement No. 1
 Exhibit F
 Sheet 2 of 4

LEGEND

EXISTING	NEW/RELOCATED	
		COBRA HEAD LIGHT STANDARD DECORATIVE LIGHT STANDARD
		COBRA HEAD LUMINAIRE ON SIGNAL POLE EXISTING BTC LIGHTING POLE
		JUNCTION BOX, TYPE 1 JUNCTION BOX, TYPE 2
		CONDUIT AND WIRING ELECTRICAL SERVICE CABINET
		TREE WELL UTILITY HANDHOLE
		5x7x5 VAULT

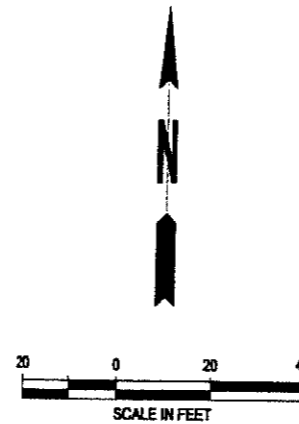


CONDUIT/WIRE SCHEDULE (ILLUMINATION AND TREE LIGHTS)

RUN NUMBER	CONDUIT SIZE	SERVICE NO. 1				SERVICE NO. 2					SERVICE NO. 3			REMOTE PHOTOCELL	NOTES				
		ILLUMINATION CIRCUITS (240V)		TREE LIGHT CIRCUITS (120V)		ILLUMINATION CIRCUITS (240V)		TREE LIGHT CIRCUITS (120V)			ILLUMINATION CIRCUITS (240V)					TREE LIGHT CIRCUITS (120V)			
		1-1	1-2	1-A	1-B	2-1	2-2	2-A	2-B	2-C	3-1	3-2	3-A			3-B	3-C		
26	1.5"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	2"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	1.5"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	2"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	2"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	3"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	3"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	3"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

CONDUIT/WIRE GENERAL NOTES
 1. SYSTEM GROUNDING WIRES NOT SHOWN IN CONDUIT / WIRE SCHEDULE. INSTALL PER CODE.

CONDUIT/WIRE SCHEDULE NOTES
 (1) INSTALL PULL ROPE
 (2) EMPTY
 (3) CAP CONDUIT AT LIMIT OF CONSTRUCTION
 (4) SCHEDULE 80 PVC



LUMINAIRE SCHEDULE

LUM. NO.	POLE STATION	POLE OFFSET	POLE HEIGHT	LUMINAIRE ARM	LUMINAIRE TYPE	CIRCUIT NO.	REMARKS
314	P 67+83.00	36.5' RT.	17'	4'	100-W DECORATIVE	3-2	
			17'	4'	100-W DECORATIVE		
315	P 68+29.00	17.0' LT.	17'	4'	100-W DECORATIVE	3-1	
			17'	4'	100-W DECORATIVE		
316	P 68+30.00	36.5' RT.	17'	4'	100-W DECORATIVE	3-2	
			17'	4'	100-W DECORATIVE		
317	P 69+18.00	17.0' LT.	17'	4'	100-W DECORATIVE	3-1	
			17'	4'	100-W DECORATIVE		
318	P 69+23.00	17.0' LT.	17'	4'	100-W DECORATIVE	3-2	
			17'	4'	100-W DECORATIVE		
319	P 69+65.00	36.5' RT.	17'	4'	100-W DECORATIVE	3-2	
			17'	4'	100-W DECORATIVE		
320	P 70+11.00	17.0' LT.	17'	4'	100-W DECORATIVE	3-1	
			17'	4'	100-W DECORATIVE		

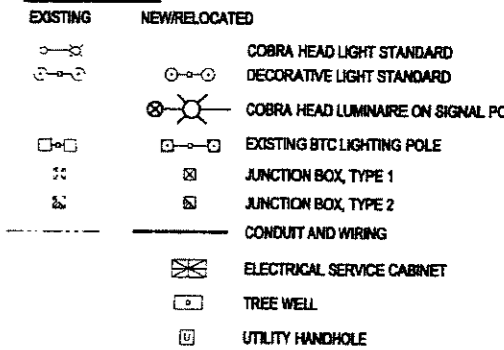
GENERAL NOTES

- ORIENT JUNCTION BOXES AS SHOWN ON THE PLANS AND DETAILS.
- TREE WELL JUNCTION BOXES SHALL BE INSTALLED PER DETAILS 1,2,3,4,5 & 8 ON SHEET ED4.
- SEE DWG. ED1 FOR TREE WELL LOCATION TABLE AND JUNCTION BOX TABLE.
- SEE DWG. ED2 FOR SINGLE LINE DIAGRAM.
- SEE DWG. ED4 AND ED5 FOR SIDEWALK, POLE, JUNCTION BOX AND CABINET FOUNDATION DETAILS.
- SYSTEM GROUNDING WIRES NOT SHOWN IN CONDUIT / WIRE SCHEDULE. INSTALL PER CODE.
- INSTALL 1 - 2" DIAMETER PMPY CONDUIT IN ALL ILLUMINATION RUNS EXCEPT RUN NO. 1, 2, 11, 13, 26, 29, 33 AND 39.

CONSTRUCTION NOTES

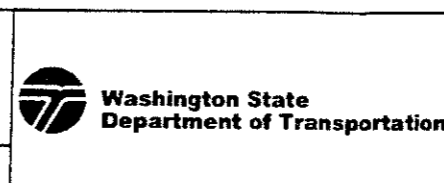
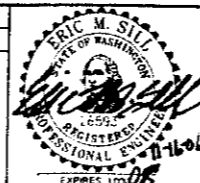
- CONSTRUCT FOUNDATION AT STATION AND CENTERLINE OFFSET SHOWN. SEE CITY OF BREMERTON STANDARD DWG. 7014, EXCEPT USE 4 ANCHOR BOLTS PER POLE MANUFACTURER'S RECOMMENDATIONS. FURNISH AND INSTALL DECORATIVE STEEL LIGHT STANDARD AND LUMINAIRE. FURNISH AND INSTALL TYPE 1 JUNCTION BOX ADJACENT TO STANDARD PER DWG. ED3, DETAILS 1, 2, 3, 4 & 5 APPROPRIATE TO ADJACENT SIDEWALK CONDITIONS
- FURNISH AND INSTALL TYPE 1 JUNCTION BOX ADJACENT TO TREE WELL PER DWG. ED3, DETAIL 6. FURNISH AND INSTALL MAINLINE CONDUIT AND WIRE INTO JUNCTION BOX PER WIRING SCHEDULE. COIL 3 FEET OF WIRE IN EACH JUNCTION BOX

LEGEND



GCA-4924
 Supplement No. 1
 Exhibit F
 Sheet 3 of 4

Design Engr. -	GERRY WILLHELM	DATE	REVISION	BY	APP'D
Check By:	ERIC SILL	OCTOBER 2006			
Drawn By:	GERRY WILLHELM	OCTOBER 2006			
Project Engr.:	ED GOZJUN	OCTOBER 2006			
Specialist:					



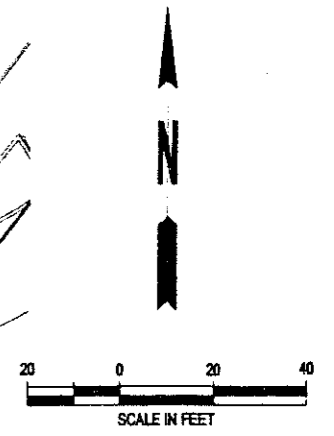
SR 304 DOWNTOWN BREMERTON PEDESTRIAN/ BTC ACCESS IMPROVEMENTS	DRAWING NUMBER IL4
ILLUMINATION PLAN	SHEET 133 OF 286 SHEETS

GENERAL NOTES

- ORIENT JUNCTION BOXES AS SHOWN ON THE PLANS AND DETAILS.
- TREE WELL JUNCTION BOXES SHALL BE INSTALLED PER DETAILS 1,2,3,4,5 & 6 ON SHEET ED4.
- SEE DWG. ED1 FOR TREE WELL LOCATION TABLE AND JUNCTION BOX TABLE.
- SEE DWG. ED2 FOR SINGLE LINE DIAGRAM.
- SEE DWG. ED4 AND ED5 FOR SIDEWALK, POLE, JUNCTION BOX AND CABINET FOUNDATION DETAILS.
- SYSTEM GROUNDING WIRES NOT SHOWN IN CONDUIT / WIRE SCHEDULE. INSTALL PER CODE.
- INSTALL 1-2" DIAMETER PMTY CONDUIT IN ALL ILLUMINATION RUNS EXCEPT RUN NO. 1, 2, 11, 13, 26, 29, 33 AND 38.
- COORDINATE LUMINAIRE STANDARD RELOCATION X212, X213 WITH WSP.

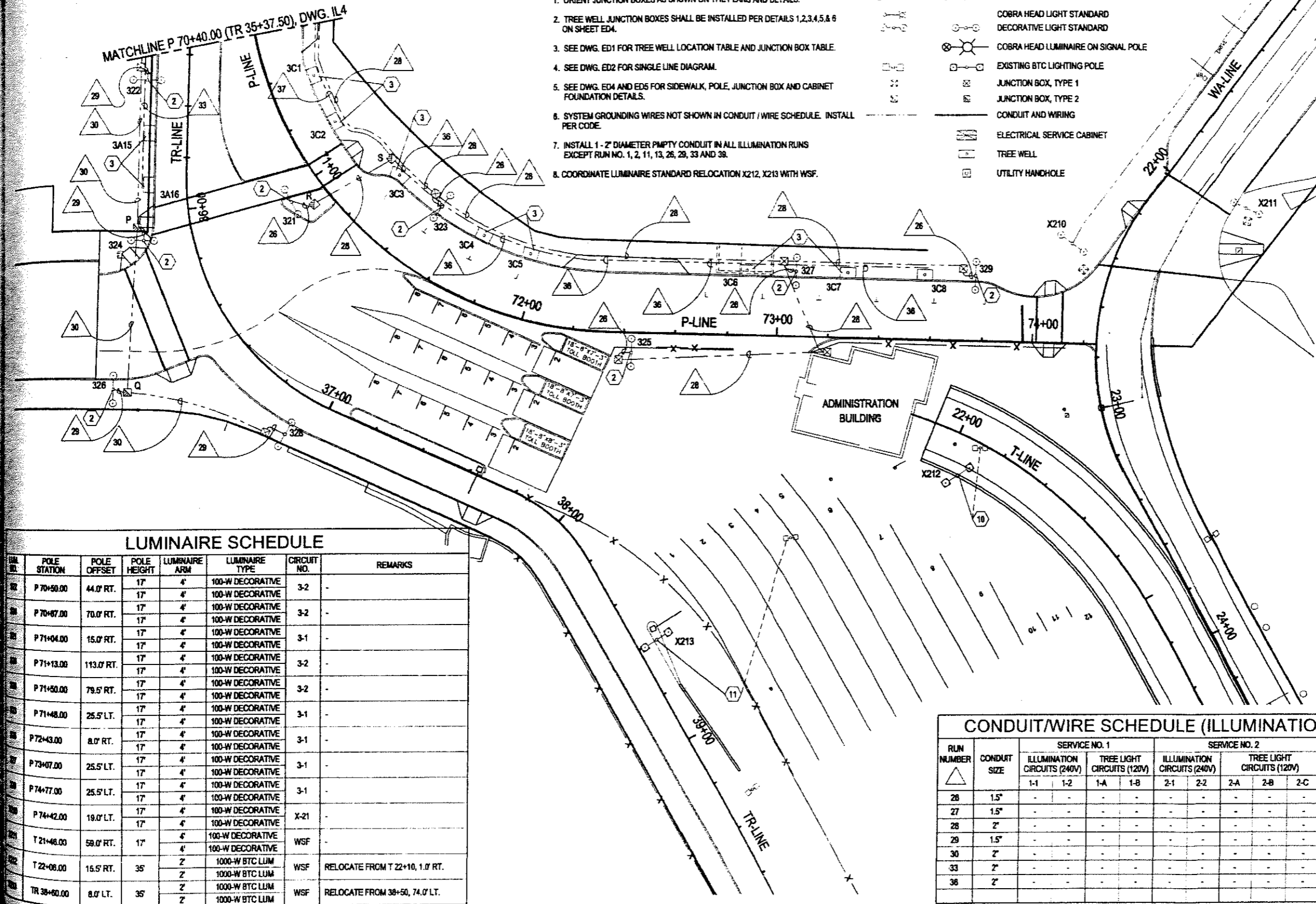
LEGEND

- | | | | |
|--|----------|--|-------------------------------------|
| | EXISTING | | NEW/RELOCATED |
| | | | COBRA HEAD LUMINAIRE ON SIGNAL POLE |
| | | | EXISTING BTC LIGHTING POLE |
| | | | JUNCTION BOX, TYPE 2 |
| | | | ELECTRICAL SERVICE CABINET |
| | | | UTILITY HANDHOLE |



CONSTRUCTION NOTES

- CONSTRUCT FOUNDATION AT STATION AND CENTERLINE OFFSET SHOWN. SEE CITY OF BREMERTON STANDARD DWG. 7014, EXCEPT USE 4 ANCHOR BOLTS PER POLE MANUFACTURER'S RECOMMENDATIONS. FURNISH AND INSTALL DECORATIVE STEEL LIGHT STANDARD AND LUMINAIRE. FURNISH AND INSTALL TYPE 1 JUNCTION BOX ADJACENT TO STANDARD PER DWG. ED4, DETAILS 1, 2, 3, 4 & 5 APPROPRIATE TO ADJACENT SIDEWALK CONDITIONS
- FURNISH AND INSTALL TYPE 1 JUNCTION BOX ADJACENT TO TREE WELL PER DWG. ED4 DETAIL 6. FURNISH AND INSTALL MAINLINE CONDUIT AND WIRE INTO JUNCTION BOX PER WIRING SCHEDULE. COIL 3 FEET OF WIRE IN EACH JUNCTION BOX
- RELOCATE EXISTING BREMERTON TRANSPORTATION CENTER (BTC) LUMINAIRE POLE, LUMINAIRE CAMERA AND SPEAKER TO NEW FOUNDATION. EXTEND CONDUIT, SPEAKER, CAMERA, AND ILLUMINATION CABLES TO EXISTING BTC CONTROL PANELS AND SERVICE
- RELOCATE EXISTING BREMERTON TRANSPORTATION CENTER (BTC) LUMINAIRE POLE AND LUMINAIRE TO GATE ISLAND



LUMINAIRE SCHEDULE

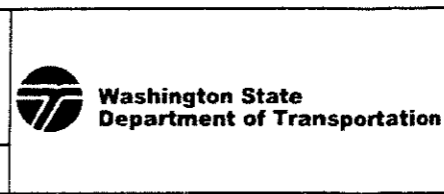
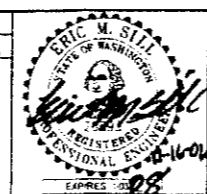
LINE NO.	POLE STATION	POLE OFFSET	POLE HEIGHT	LUMINAIRE ARM	LUMINAIRE TYPE	CIRCUIT NO.	REMARKS
92	P 70+50.00	44.0' RT.	17'	4'	100-W DECORATIVE	3-2	
93	P 70+50.00	44.0' RT.	17'	4'	100-W DECORATIVE	3-2	
94	P 70+87.00	70.0' RT.	17'	4'	100-W DECORATIVE	3-2	
95	P 70+87.00	70.0' RT.	17'	4'	100-W DECORATIVE	3-2	
96	P 71+04.00	15.0' RT.	17'	4'	100-W DECORATIVE	3-1	
97	P 71+04.00	15.0' RT.	17'	4'	100-W DECORATIVE	3-1	
98	P 71+13.00	113.0' RT.	17'	4'	100-W DECORATIVE	3-2	
99	P 71+13.00	113.0' RT.	17'	4'	100-W DECORATIVE	3-2	
100	P 71+50.00	79.5' RT.	17'	4'	100-W DECORATIVE	3-2	
101	P 71+50.00	79.5' RT.	17'	4'	100-W DECORATIVE	3-2	
102	P 71+48.00	25.5' LT.	17'	4'	100-W DECORATIVE	3-1	
103	P 71+48.00	25.5' LT.	17'	4'	100-W DECORATIVE	3-1	
104	P 72+43.00	8.0' RT.	17'	4'	100-W DECORATIVE	3-1	
105	P 72+43.00	8.0' RT.	17'	4'	100-W DECORATIVE	3-1	
106	P 73+07.00	25.5' LT.	17'	4'	100-W DECORATIVE	3-1	
107	P 73+07.00	25.5' LT.	17'	4'	100-W DECORATIVE	3-1	
108	P 74+77.00	25.5' LT.	17'	4'	100-W DECORATIVE	3-1	
109	P 74+77.00	25.5' LT.	17'	4'	100-W DECORATIVE	3-1	
110	P 74+42.00	19.0' LT.	17'	4'	100-W DECORATIVE	X-21	
111	T 21+48.00	59.0' RT.	17'	4'	100-W DECORATIVE	WSF	
112	T 21+48.00	59.0' RT.	17'	4'	100-W DECORATIVE	WSF	
113	T 22+06.00	15.5' RT.	35'	2"	1000-W BTC LUM	WSF	RELOCATE FROM T 22+10, 1.0' RT.
114	T 22+06.00	15.5' RT.	35'	2"	1000-W BTC LUM	WSF	
115	TR 38+60.00	8.0' LT.	35'	2"	1000-W BTC LUM	WSF	RELOCATE FROM 38+50, 74.0' LT.
116	TR 38+60.00	8.0' LT.	35'	2"	1000-W BTC LUM	WSF	

CONDUIT/WIRE SCHEDULE (ILLUMINATION AND TREE LIGHTS)

RUN NUMBER	CONDUIT SIZE	SERVICE NO. 1				SERVICE NO. 2			SERVICE NO. 3			REMOTE PHOTOCELL	NOTES			
		ILLUMINATION CIRCUITS (240V)		TREE LIGHT CIRCUITS (120V)		ILLUMINATION CIRCUITS (240V)		TREE LIGHT CIRCUITS (120V)	ILLUMINATION CIRCUITS (240V)		TREE LIGHT CIRCUITS (120V)					
		1-1	1-2	1-A	1-B	2-1	2-2	2-A	2-B	2-C	3-1			3-2	3-A	3-B
26	1.5"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	1.5"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3-#12
28	2"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	1.5"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	2"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	2"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	2"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2-#4

Design Engr. - GERRY WILLHELM
 Check By - ERIC SILL
 Date - OCTOBER 2006
 Project Engr. - ED GOZJUN
 Date - OCTOBER 2006

NO.	DATE	REVISION	BY	APP'D
1	10/10/06	ISSUED FOR PERMITS	ED GOZJUN	GERRY WILLHELM



SR 304
 DOWNTOWN BREMERTON PEDESTRIAN/
 BTC ACCESS IMPROVEMENTS
 ILLUMINATION PLAN

DRAWING NUMBER
 IL5
 SHEET
 134
 OF
 286
 SHEETS