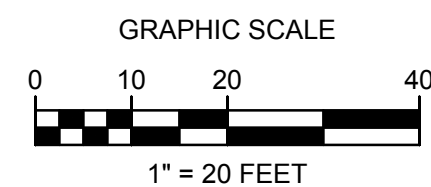
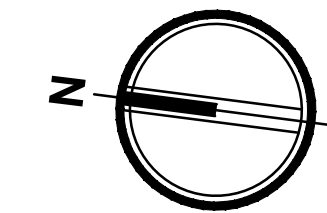


Addendum 3



GENERAL NOTES

- CLOSE COORDINATION BETWEEN ALL UTILITIES AND STREET LIGHTS, PEDESTRIAN LIGHTS, CONCRETE BASES, JUNCTION BOXES, CONDUIT ROUTING, ETC. IS REQUIRED. OTHER BELOW GRADE UTILITIES, I.E. STORM LINES AND DRAINS, ARE LOCATED IN VICINITY.
- EXISTING STREETLIGHT AND SIGNAL CONDUITS AND CABLES SHALL BE LOCATED AND DEPTH VERIFIED BY THE CONTRACTOR BEFORE SAWCUTTING, EXCAVATION, DEMOLITION OR GRADING OCCURS. LOWERING OF OR DAMAGE TO THE SYSTEM WILL REQUIRE NEW CONDUITS, CABLES AND POSSIBLY THE ADDITION OF JUNCTION BOXES. NOTE: SIGNAL CABLES CANNOT HAVE SPLICES AND MUST BE REPLACED IN ITS ENTIRETY.
- CONTRACTOR TO VERIFY THE SIZE AND NUMBER OF CONDUITS IN THE STREET LIGHT/SIGNAL POLE FOUNDATION.

PLAN NOTES

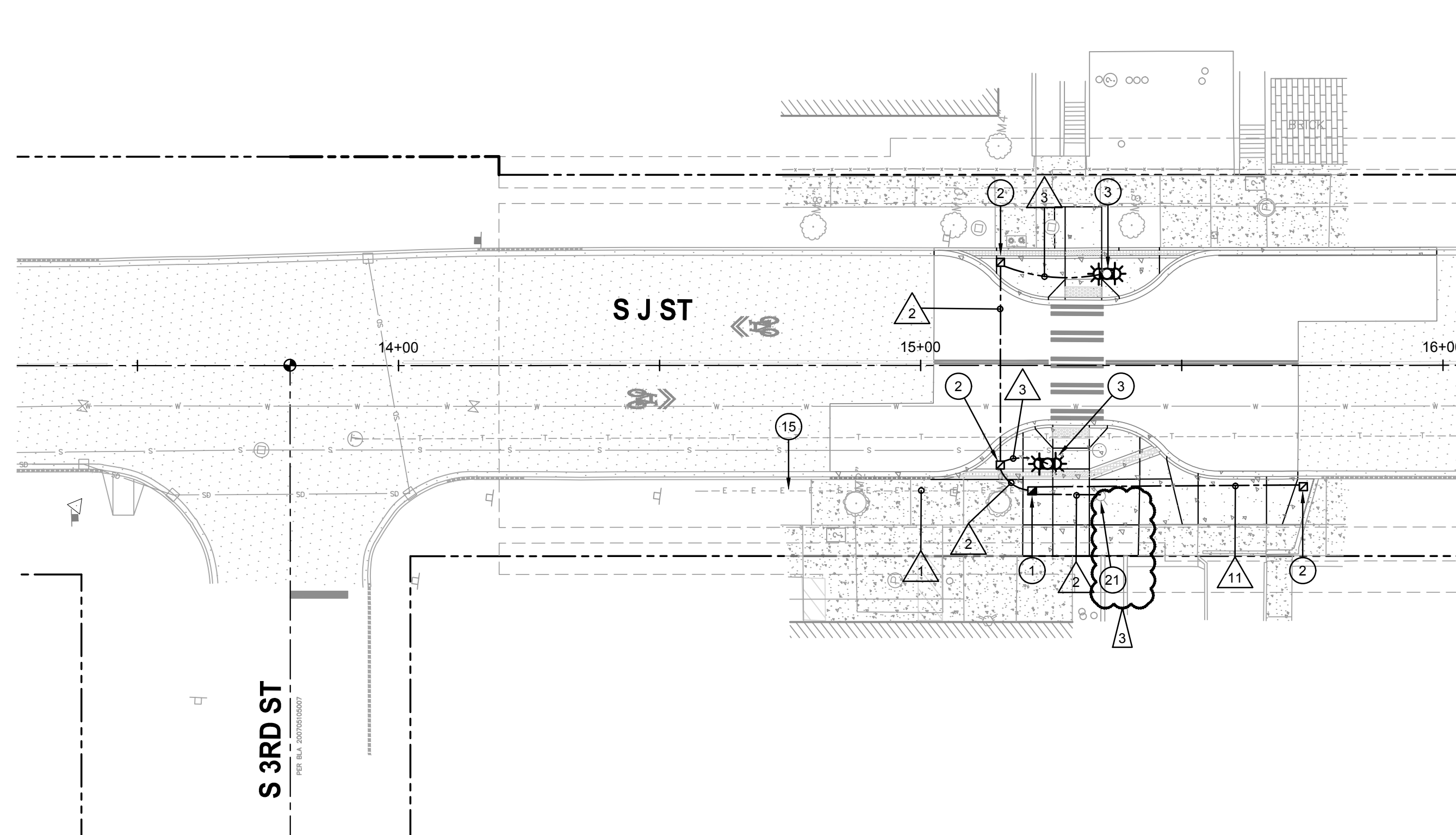
(NOT ALL PLAN NOTES USED ON EVERY SHEET)

- PROVIDE WSDOT TYPE 2 JUNCTION BOX WITH LOCKING LID TO INTERCEPT EXISTING STREET LIGHT DIRECT BURIED CABLE. COORDINATE WITH CIVIL AND LANDSCAPING FOR EXACT PLACEMENT OF JUNCTION BOX. WORK WITH CITY CREWS TO DE-ENERGIZE/INTERCEPT DIRECT BURIED STREETLIGHT CABLES. TRAFFIC SIGNAL/STREETLIGHT SHOP (253) 591-5287. LABEL JUNCTION BOX LID WITH SYSTEM IDENTIFICATION LETTERS "LT". SEE CITY OF TACOMA STANDARD PLAN TS-08.
- PROVIDE WSDOT TYPE 1 JUNCTION BOX WITH LOCKING LID. COORDINATE WITH CIVIL AND LANDSCAPING FOR EXACT PLACEMENT OF JUNCTION BOX. LABEL JUNCTION BOX LID WITH SYSTEM IDENTIFICATION LETTERS "LT". SEE CITY OF TACOMA STANDARD PLAN TS-08.
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- REMOVE EXISTING STREET LIGHTING JUNCTION BOX TO FACILITATE NEW CONSTRUCTION. TYPICAL 3 THIS LOCATION. SEE SHEET EC-03. NORTHERNMOST BOX APPEARS TO BE NO LONGER IN USE. MIDDLE BOX IS STREET LIGHT WIRING. SOUTHERNMOST BOX IS SIGNAL WIRING. SEE PLAN NOTES 1 AND 10 FOR LOCATION OF NEW JUNCTION BOXES.
- PROVIDE WSDOT TYPE 2 JUNCTION BOX WITH LOCKING LID. COORDINATE WITH CIVIL AND LANDSCAPING FOR EXACT PLACEMENT OF JUNCTION BOX. LABEL JUNCTION BOX LID WITH SYSTEM IDENTIFICATION LETTERS "TS". SEE CITY OF TACOMA STANDARD PLAN TS-08.
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- EXISTING FLASHING BEACON EQUIPMENT TO BE DISCONNECTED AND REMOVED. CUT ANCHOR BOLTS AND CONDUITS FLUSH TO GRADE. FILL/SEAL OFF CONDUITS.
- STREETLIGHT HIGH VOLTAGE DIRECT BURIED CABLE. DEPTH AND LOCATION SHALL BE VERIFIED BY CONTRACTOR BEFORE EXCAVATION. TYPICAL. CABLE SHALL BE REMOVED IN AREAS WHERE NEW WORK IS PROVIDED.
- EXISTING STREET LIGHT/SIGNAL CABINET. PROVIDE EQUIPMENT WITHIN CABINET FOR ADDED ACCESSIBLE PEDESTRIAN SIGNALS TO OPERATE. WORK WITH CITY CREWS FOR REQUIRED CONNECTIONS. TRAFFIC SIGNAL/STREETLIGHT SHOP (253) 591-5287.
- EXISTING SIGNAL INTERCONNECT CONDUIT AND CABLE. CONTRACTOR TO VERIFY DEPTH AND LOCATION. IF DAMAGED, POSSIBLE CABLE REPLACEMENT MAY BE BETWEEN MLK JR WAY AND YAKIMA AVE.
- RELOCATE EXISTING TRAFFIC SIGNAL HEAD TO NEW LOCATION AS SHOWN TO ALIGN WITH ROADWAY REVISIONS. SEE CITY OF TACOMA STANDARD PLAN TS-14. PROVIDE NEW CABLE AND CONNECTIONS TO SIGNAL CABINET.
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- LOCATE AND INTERCEPT EXISTING CONDUITS AT SIGNAL POLE FOUNDATION AND UTILIZE FOR WIRE/CABLE RUNS NOTED.
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- EXISTING JUNCTION BOX TO REMAIN AND BE RE-USED FOR CONNECTION OF STREET LIGHT CONDUITS AND WIRING AS SHOWN.
- SOLAR POWERED RRFB. EXISTING CONCRETE FOUNDATION TO BE RE-USED.

LEGEND

- EXISTING SIGNAL POLE WITH LUMINAIRE
- EXISTING TRAFFIC SIGNAL HEAD
- RELOCATED TRAFFIC SIGNAL HEAD
- EXISTING WSDOT TYPE 1 JUNCTION BOX WITH ALTERNATIVE 2 LOCKING LID PER WSDOT STANDARD PLAN J-40.10-04
- WSDOT TYPE 2 JUNCTION BOX WITH ALTERNATIVE 2 LOCKING LID PER WSDOT STANDARD PLAN J-40.10-04
- EXISTING TRAFFIC SIGNAL CONTROLLER CABINET
- NEW SIGNAL WIRE IN CONDUIT OR AFFIXED TO SPAN WIRE
- NEW UNDERGROUND 2" CONDUIT AND WIRE (STREET LIGHT)
- EXISTING UNDERGROUND CONDUIT/WIRE OR DIRECT BURIAL CABLE
- WIRE NOTE, SEE WIRING SCHEDULE
- PLAN NOTE, SEE PLAN NOTES
- REVISION BY ADDENDUM

NOTE: REFER TO CITY OF TACOMA GENERAL SPECIAL PROVISIONS AND DETAILS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.



CONDUIT/WIRING SCHEDULE

RUN NO.	CONDUIT	WIRE	COMMENTS
1	SEE COMMENTS	2#8	DIRECT BURIED HIGH VOLTAGE STREETLIGHT CABLE
2	2"	2#8 & 1#8 GROUND	
3	2"	2#8 & 1#8 GROUND	JUNCTION BOX TO RRFB
4	1"	2C & 1#8 GROUND	JUNCTION BOX TO SINGLE PPB
5	1"	4C & 1#8 GROUND	JUNCTION BOX TO SIGNAL POLE THEN TO SIGNAL CABINET VIA EXISTING SPAN WIRE
6	(3) 2"	(4) SETS OF 5C & 1#8 GROUND	JUNCTION BOX TO SIGNAL CABINET
7	1-1/4"	(4) SETS OF 5C	JUNCTION BOX TO SIGNAL POLE
8	2"	(4) SETS OF 5C	JUNCTION BOX TO SIGNAL POLE
9	1"	2-2C & 1#8 GROUND	JUNCTION BOX TO DOUBLE PPB
10	1"	2-2C & 1#8 GROUND	JUNCTION BOX TO SIGNAL POLE
11	2"		PULL CORD
12	SEE COMMENTS	2-5C	SIGNAL TRAFFIC HEAD TO SIGNAL CABINET VIA EXISTING SPAN WIRE/CONDUIT
13	SEE COMMENTS		EXISTING TRAFFIC SIGNAL INTERCONNECT CABLE
14	2"	2-2C	PPB JUNCTION BOX TO PPB JUNCTION BOX TO SIGNAL CABINET

FINAL DESIGN

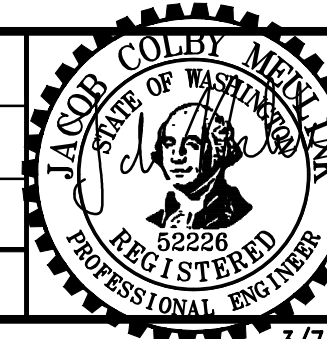
TRES WEST ENGINEERS, INC.
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 Phone: 253.472.3300
 www.treswest.com

AHBL TACOMA · SEATTLE
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 Landscape Architects
 Community Planners
 Land Surveyors
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 2215 North 30th Street, Suite 300 Tacoma, WA 98403
 253.383.2422 TEL 253.383.2572 FAX www.ahbl.com WEB



NO	REVISION	DATE	APPD
3	CHANNELIZATION AND ELECTRICAL CHANGES	3/7/24	

FINAL CONSTRUCTION CHECKED	DATE	SCALE
	3/7/2024	AS SHOWN
DESIGNED	CHECKED	
DPH	JCM	
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DPH	2160917.14	



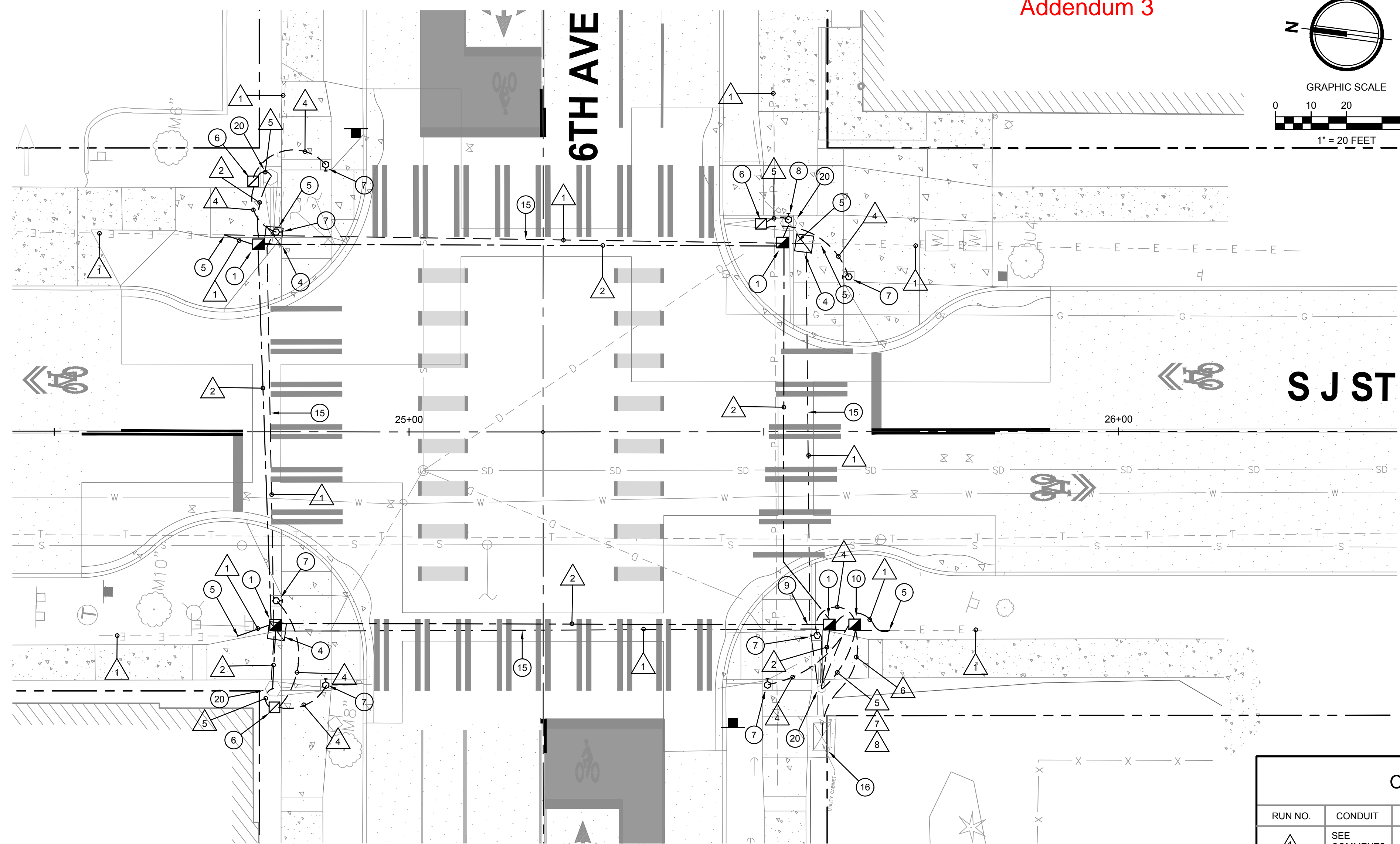
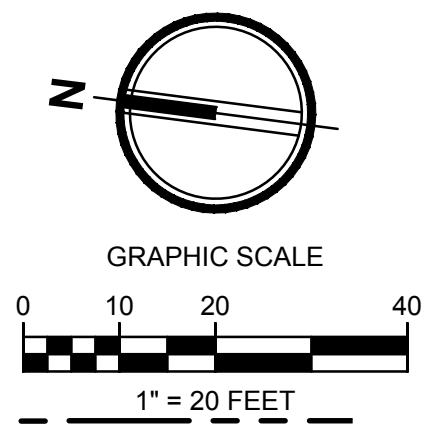
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 Jason Coleby
 ENGINEERING DESIGN SERVICES

CITY OF TACOMA
 DEPARTMENT OF PUBLIC WORKS

J STREET BICYCLE BOULEVARD PROJECT
 ELECTRICAL PLAN
 CROSSING BETWEEN S 3RD ST & S 4TH ST

PROJECT NO.	PKW-G0057
AHBL JOB NO.	2160917.14
SHEET NO.	EL-01
SHEET	96 of 137

Addendum 3



GENERAL NOTES

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LEGEND

- EXISTING SIGNAL POLE WITH LUMINAIRE
- EXISTING TRAFFIC SIGNAL HEAD
- RELOCATED TRAFFIC SIGNAL HEAD
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CONDUIT/WIRING SCHEDULE

RUN NO.	CONDUIT	WIRE	COMMENTS
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3	2"	2#8 & 1#8 GROUND	JUNCTION BOX TO RRFB
4	1"	2C & 1#8 GROUND	JUNCTION BOX TO SINGLE PPB
5	1"	4C & 1#8 GROUND	JUNCTION BOX TO SIGNAL POLE THEN TO SIGNAL CABINET VIA EXISTING SPAN WIRE
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11	2"		PULL CORD
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14	2"	2-2C	PPB JUNCTION BOX TO PPB JUNCTION BOX TO SIGNAL CABINET

FINAL DESIGN

TRES WEST ENGINEERS, INC.
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 TACOMA, WA 98409-7315
 Phone: 253.472.3300
 www.treswest.com

AHBL TACOMA · SEATTLE
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 2215 North 30th Street, Suite 300 Tacoma, WA 98403
 253.383.2422 TEL 253.383.2572 FAX www.ahbl.com WEB



NO.	REVISION	DATE	APPD.
	CHANNELIZATION AND ELECTRICAL CHANGES	3/7/24	

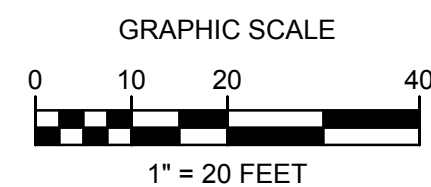
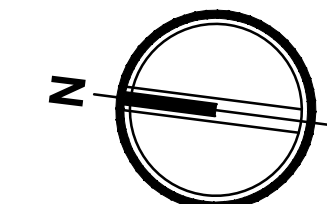
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	3/7/2024	AS SHOWN
DESIGNED	CHECKED	
DPH	JCM	
DRAWN	FILE NAME	
DPH	2160917.14	



CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS
 J STREET BICYCLE BOULEVARD PROJECT
 ELECTRICAL PLAN
 6TH AVENUE

PROJECT NO. **PKW-60057**
 AHBL JOB NO. **2160917.14**
 SHEET NO. **EL-02**
 SHEET **97** OF **137**

Addendum 3



GENERAL NOTES

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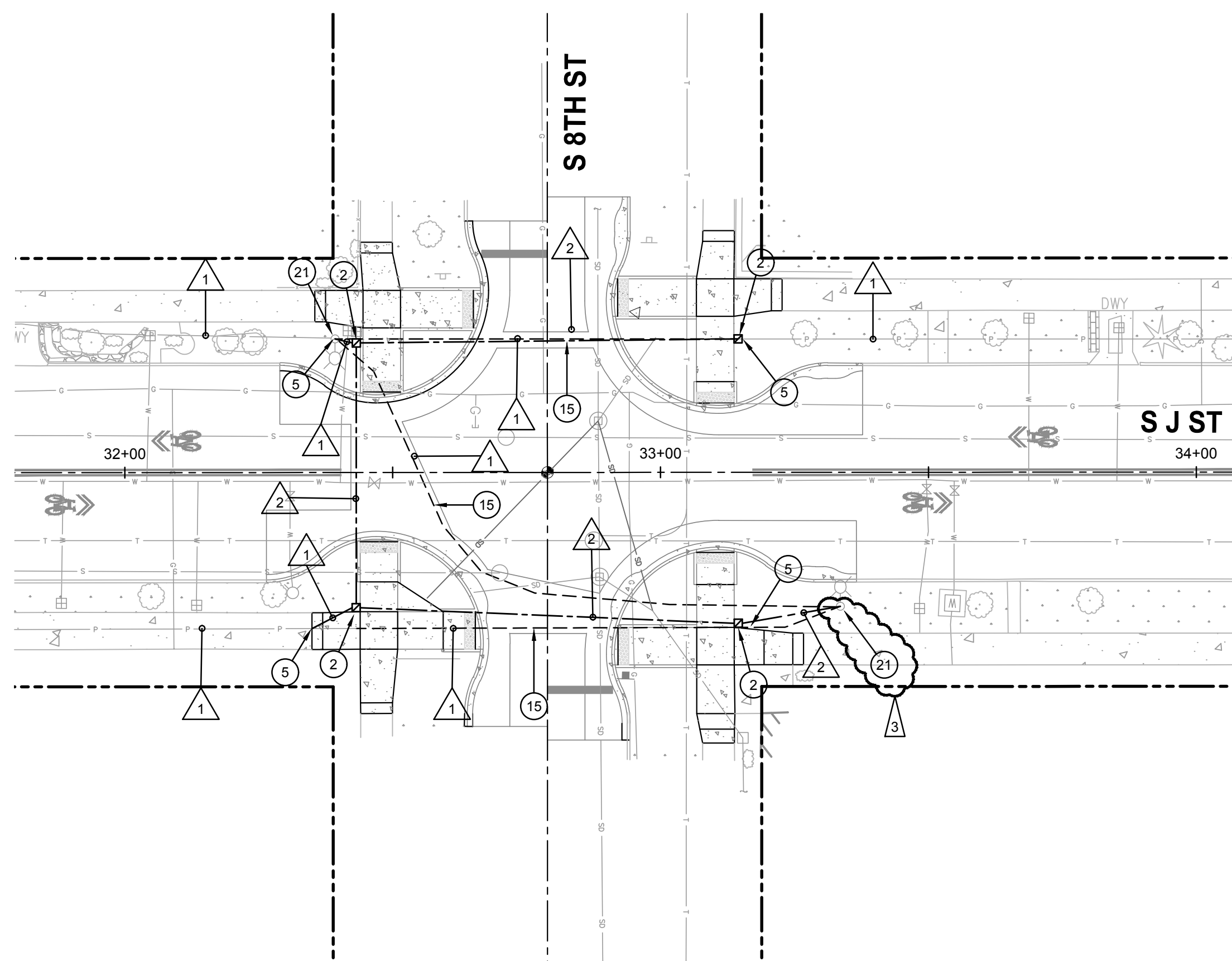
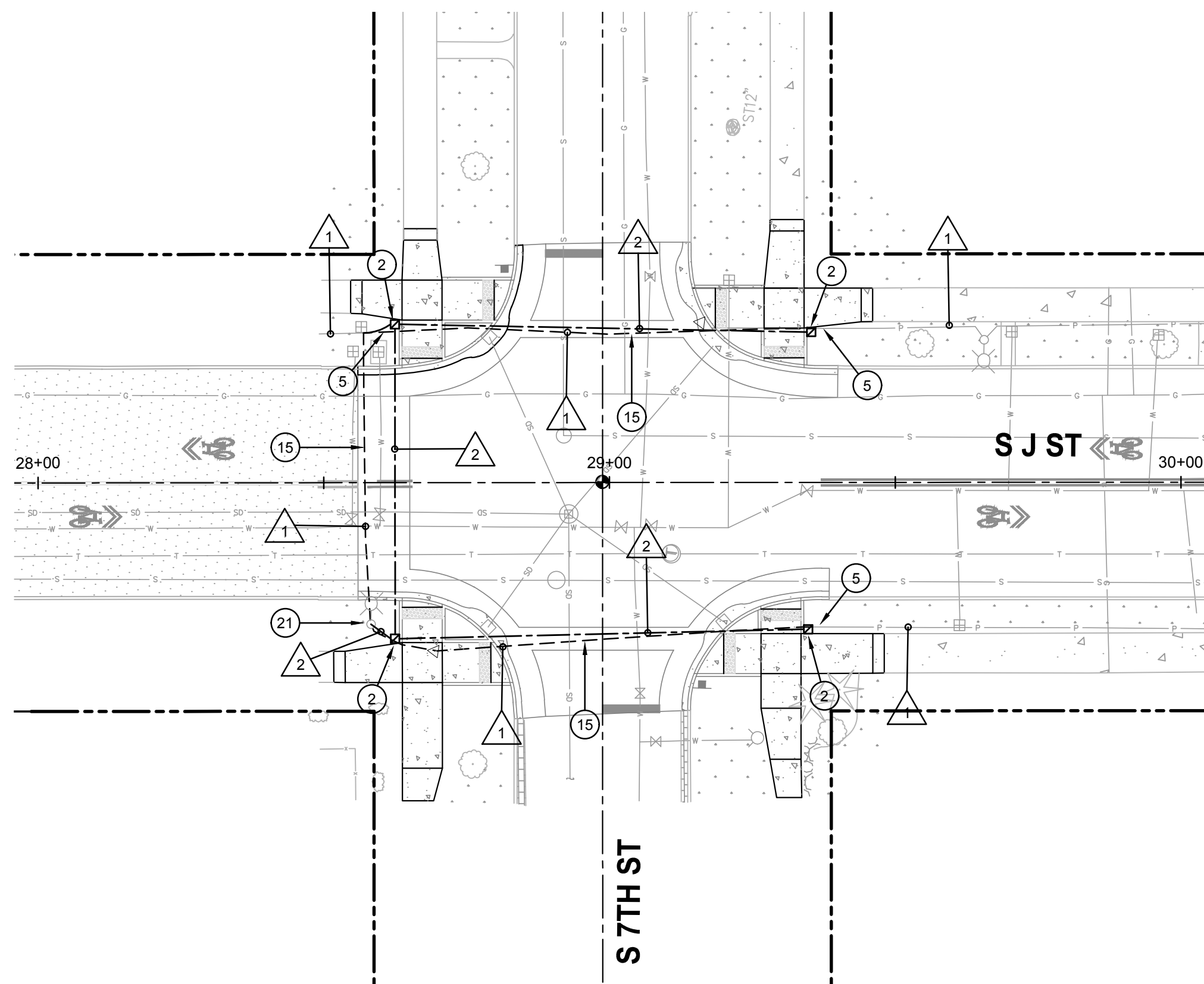
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PLAN NOTES

(NOT ALL PLAN NOTES USED ON EVERY SHEET)

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- EXISTING JUNCTION BOX TO BE REMOVED AND REPLACED WITH NEW TO FACILITATE GRADE CHANGES. SEE CIVIL DEMO PLAN.
- SOLAR POWERED RRFB AND NEW CONCRETE FOUNDATION.
- EXISTING FLASHING BEACON EQUIPMENT TO BE DISCONNECTED AND REMOVED. CUT ANCHOR BOLTS AND CONDUITS FLUSH TO GRADE. FILL/SEAL OFF CONDUITS.
- STREETLIGHT HIGH VOLTAGE DIRECT BURIED CABLE. DEPTH AND LOCATION SHALL BE VERIFIED BY CONTRACTOR BEFORE EXCAVATION, TYPICAL. CABLE SHALL BE REMOVED IN AREAS WHERE NEW WORK IS PROVIDED.
- EXISTING STREET LIGHT/SIGNAL CABINET. PROVIDE EQUIPMENT WITHIN CABINET FOR ADDED ACCESSIBLE PEDESTRIAN SIGNALS TO OPERATE. WORK WITH CITY CREWS FOR REQUIRED CONNECTIONS. TRAFFIC SIGNAL/STREETLIGHT SHOP (253) 591-5287.
- EXISTING SIGNAL INTERCONNECT CONDUIT AND CABLE. CONTRACTOR TO VERIFY DEPTH AND LOCATION. IF DAMAGED, POSSIBLE CABLE REPLACEMENT MAY BE BETWEEN MLK JR WAY AND YAKIMA AVE.
- RELOCATE EXISTING TRAFFIC SIGNAL HEAD TO NEW LOCATION AS SHOWN TO ALIGN WITH ROADWAY REVISIONS. SEE CITY OF TACOMA STANDARD PLAN TS-14. PROVIDE NEW CABLE AND CONNECTIONS TO SIGNAL CABINET.
- RELOCATE EXISTING TRAFFIC SIGNAL HEAD TO NEW LOCATION AS SHOWN TO ALIGN WITH ROADWAY REVISIONS. SEE CITY OF TACOMA STANDARD PLAN TS-14. PROVIDE ASTROBRAC'S MOUNTED TO EXISTING TENON. PROVIDE NEW CABLE AND CONNECTIONS TO SIGNAL CABINET.
- LOCATE AND INTERCEPT EXISTING CONDUITS AT SIGNAL POLE FOUNDATION AND UTILIZE FOR WIRE/CABLE RUNS NOTED.
- EXISTING STREET LIGHT. DISCONNECT AND REMOVE DIRECT BURY WIRING FROM STREET LIGHT TO NEW JUNCTION BOX AND PROVIDE NEW CONDUIT AND WIRE AS SHOWN. COMPLETE CONNECTIONS AT STREET LIGHT FOR COMPLETE OPERATION.
- EXISTING JUNCTION BOX TO REMAIN AND BE RE-USED FOR CONNECTION OF STREET LIGHT CONDUITS AND WIRING AS SHOWN.
- SOLAR POWERED RRFB. EXISTING CONCRETE FOUNDATION TO BE RE-USED.



CONDUIT/WIRING SCHEDULE

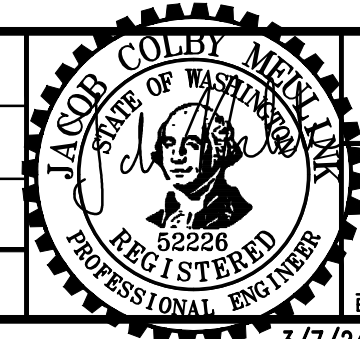
RUN NO.	CONDUIT	WIRE	COMMENTS
1	SEE COMMENTS	2#8	DIRECT BURIED HIGH VOLTAGE STREETLIGHT CABLE
2	2"	2#8 & 1#8 GROUND	
3	2"	2#8 & 1#8 GROUND	JUNCTION BOX TO RRFB
4	1"	2C & 1#8 GROUND	JUNCTION BOX TO SINGLE PPB
5	1"	4C & 1#8 GROUND	JUNCTION BOX TO SIGNAL POLE THEN TO SIGNAL CABINET VIA EXISTING SPAN WIRE
6	(3) 2"	(4) SETS OF 5C & 1#8 GROUND	JUNCTION BOX TO SIGNAL CABINET
7	1-1/4"	(4) SETS OF 5C	JUNCTION BOX TO SIGNAL POLE
8	2"	(4) SETS OF 5C	JUNCTION BOX TO SIGNAL POLE
9	1"	2-2C & 1#8 GROUND	JUNCTION BOX TO DOUBLE PPB
10	1"	2-2C & 1#8 GROUND	JUNCTION BOX TO SIGNAL POLE
11	2"		PULL CORD
12	SEE COMMENTS	2-5C	SIGNAL TRAFFIC HEAD TO SIGNAL CABINET VIA EXISTING SPAN WIRE/CONDUIT
13	SEE COMMENTS		EXISTING TRAFFIC SIGNAL INTERCONNECT CABLE
14	2"	2-2C	PPB JUNCTION BOX TO PPB JUNCTION BOX TO SIGNAL CABINET

FINAL DESIGN



NO.	REVISION	DATE	APPD.
	CHANNELIZATION AND ELECTRICAL CHANGES	3/7/24	

FINAL CONSTRUCTION CHECKED	DATE	SCALE
	3/7/2024	AS SHOWN
DESIGNED	CHECKED	
DPH	JCM	
DRAWN	FILE NAME	
DPH	2160917.14	



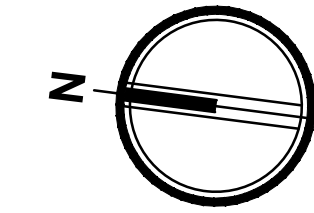
DocuSigned by:
Jacob Colby
ENGINEERING DIVISION MANAGER

CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

J STREET BICYCLE BOULEVARD PROJECT
ELECTRICAL PLAN
7TH ST & 8TH ST

PROJECT NO.	PKW-60057
AMBL JOB NO.	2160917.14
SHEET NO.	EL-03
SHEET	98 of 137

Addendum 3



GENERAL NOTES

- CLOSE COORDINATION BETWEEN ALL UTILITIES AND STREET LIGHTS, PEDESTRIAN LIGHTS, CONCRETE BASES, JUNCTION BOXES, CONDUIT ROUTING, ETC. IS REQUIRED. OTHER BELOW GRADE UTILITIES, I.E. STORM LINES AND DRAINS, ARE LOCATED IN VICINITY.
- EXISTING STREETLIGHT AND SIGNAL CONDUITS AND CABLES SHALL BE LOCATED AND DEPTH VERIFIED BY THE CONTRACTOR BEFORE SAWCUTTING, EXCAVATION, DEMOLITION OR GRADING OCCURS. LOWERING OF OR DAMAGE TO THE SYSTEM WILL REQUIRE NEW CONDUITS, CABLES AND POSSIBLY THE ADDITION OF JUNCTION BOXES. NOTE: SIGNAL CABLES CANNOT HAVE SPLICES AND MUST BE REPLACED IN ITS ENTIRETY.
- CONTRACTOR TO VERIFY THE SIZE AND NUMBER OF CONDUITS IN THE STREET LIGHT/SIGNAL POLE FOUNDATION.

LEGEND

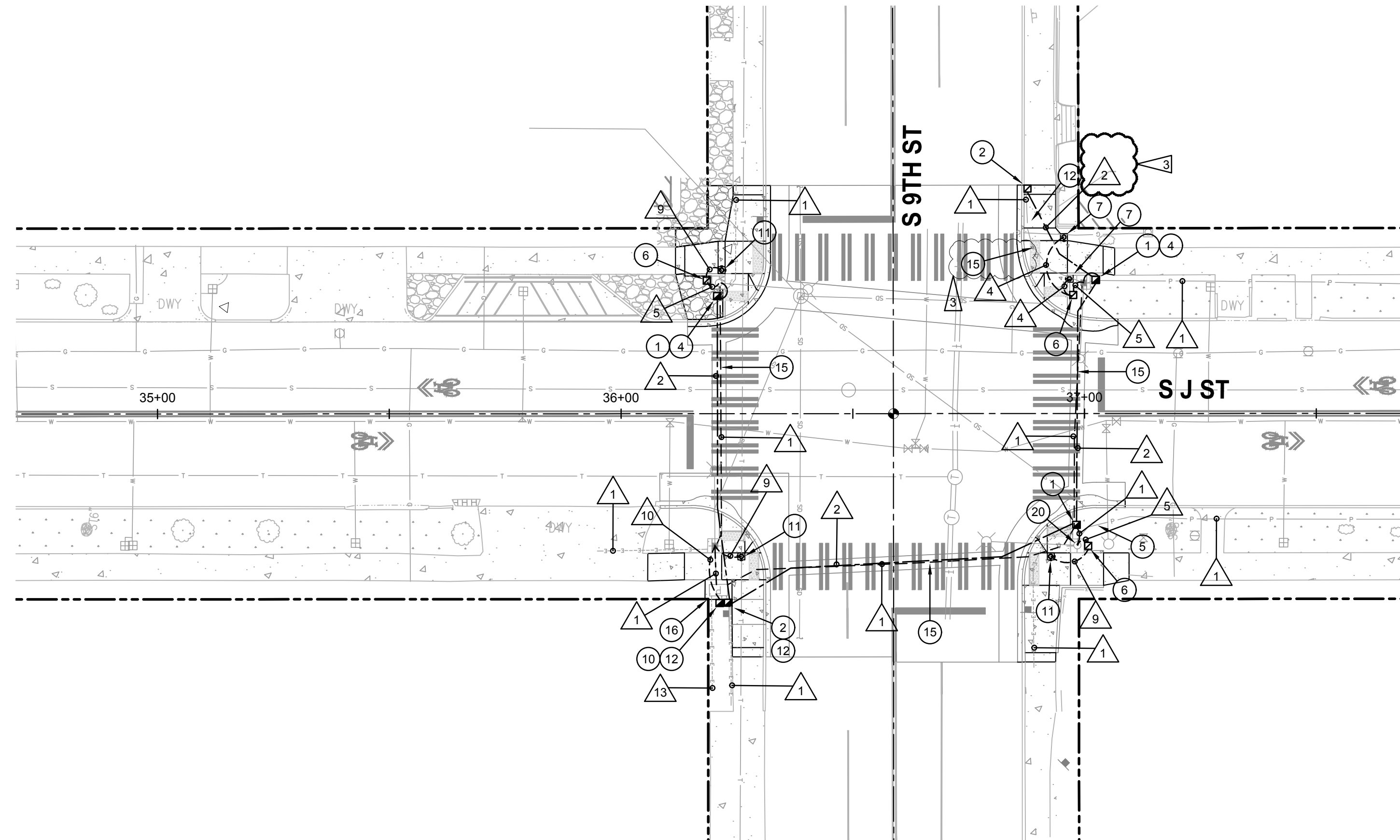
- EXISTING SIGNAL POLE WITH LUMINAIRE
- EXISTING TRAFFIC SIGNAL HEAD
- RELOCATED TRAFFIC SIGNAL HEAD
- EXISTING WSDOT TYPE 1 JUNCTION BOX WITH ALTERNATIVE 2 LOCKING LID PER WSDOT STANDARD PLAN J-40.10-04
- WSDOT TYPE 2 JUNCTION BOX WITH ALTERNATIVE 2 LOCKING LID PER WSDOT STANDARD PLAN J-40.10-04
- EXISTING TRAFFIC SIGNAL CONTROLLER CABINET
- NEW SIGNAL WIRE IN CONDUIT OR AFFIXED TO SPAN WIRE
- NEW UNDERGROUND 2" CONDUIT AND WIRE (STREET LIGHT)
- EXISTING UNDERGROUND CONDUIT/WIRE OR DIRECT BURIAL CABLE
- WIRE NOTE, SEE WIRING SCHEDULE
- PLAN NOTE, SEE PLAN NOTES
- REVISION BY ADDENDUM

NOTE: REFER TO CITY OF TACOMA GENERAL SPECIAL PROVISIONS AND DETAILS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

PLAN NOTES

(NOT ALL PLAN NOTES USED ON EVERY SHEET)

- PROVIDE WSDOT TYPE 2 JUNCTION BOX WITH LOCKING LID TO INTERCEPT EXISTING STREET LIGHT DIRECT BURIED CABLE. COORDINATE WITH CIVIL AND LANDSCAPING FOR EXACT PLACEMENT OF JUNCTION BOX. WORK WITH CITY CREWS TO DE-ENERGIZE/INTERCEPT DIRECT BURIED STREETLIGHT CABLES. TRAFFIC SIGNAL/STREETLIGHT SHOP (253) 591-5287. LABEL JUNCTION BOX LID WITH SYSTEM IDENTIFICATION LETTERS "LT". SEE CITY OF TACOMA STANDARD PLAN TS-08.
- PROVIDE WSDOT TYPE 1 JUNCTION BOX WITH LOCKING LID. COORDINATE WITH CIVIL AND LANDSCAPING FOR EXACT PLACEMENT OF JUNCTION BOX. LABEL JUNCTION BOX LID WITH SYSTEM IDENTIFICATION LETTERS "LT". SEE CITY OF TACOMA STANDARD PLAN TS-08.
- RECTANGULAR RAPID FLASHING BEACON (RRFB) WITH PEDESTRIAN PUSH BUTTON AND NEW CONCRETE FOUNDATION. PROVIDE AND COMPLETE INTERNAL WIRING PER MANUFACTURERS RECOMMENDATIONS. SEE DETAIL ON CIVIL DETAIL SHEET DT-11 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- REMOVE EXISTING STREET LIGHTING JUNCTION BOX TO FACILITATE NEW CONSTRUCTION. SEE PLAN NOTE 1 FOR LOCATION OF NEW JUNCTION BOX.
- LOCATE EXISTING STREET LIGHT DIRECT BURIED WIRING AND RE-ROUTE TO NEW JUNCTION BOX.
- PROVIDE WSDOT TYPE 1 JUNCTION BOX WITH LOCKING LID. COORDINATE WITH CIVIL AND LANDSCAPING FOR EXACT PLACEMENT OF JUNCTION BOX. LABEL JUNCTION BOX LID WITH SYSTEM IDENTIFICATION LETTERS "TS". SEE CITY OF TACOMA STANDARD PLAN TS-08.
- POLE MOUNT SINGLE PEDESTRIAN PUSH BUTTON (PPB). PROVIDE AND COMPLETE INTERNAL WIRING PER MANUFACTURERS RECOMMENDATIONS. SEE DETAIL ON CIVIL DETAIL SHEET DT-12, DETAIL 4, FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- PEDESTRIAN PUSH BUTTON (PPB) MOUNTED ON EXISTING SIGNAL POLE. PROVIDE AND COMPLETE INTERNAL WIRING PER MANUFACTURERS RECOMMENDATIONS. SEE DETAIL ON CIVIL DETAIL SHEET DT-13 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- REMOVE EXISTING STREET LIGHTING JUNCTION BOX TO FACILITATE NEW CONSTRUCTION. TYPICAL 3 THIS LOCATION. SEE SHEET EC-03. NORTHERNMOST BOX APPEARS TO BE NO LONGER IN USE. MIDDLE BOX IS STREET LIGHT WIRING. SOUTHERNMOST BOX IS SIGNAL WIRING. SEE PLAN NOTES 1 AND 10 FOR LOCATION OF NEW JUNCTION BOXES.
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- EXISTING STREET LIGHT/SIGNAL CABINET. PROVIDE EQUIPMENT WITHIN CABINET FOR ADDED ACCESSIBLE PEDESTRIAN SIGNALS TO OPERATE. WORK WITH CITY CREWS FOR REQUIRED CONNECTIONS. TRAFFIC SIGNAL/STREETLIGHT SHOP (253) 591-5287.
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- LOCATE AND INTERCEPT EXISTING CONDUITS AT SIGNAL POLE FOUNDATION AND UTILIZE FOR WIRE/CABLE RUNS NOTED.
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- SOLAR POWERED RRFB. EXISTING CONCRETE FOUNDATION TO BE RE-USED.



CONDUIT/WIRING SCHEDULE

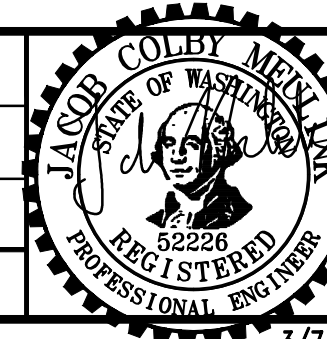
RUN NO.	CONDUIT	WIRE	COMMENTS
1	SEE COMMENTS	2#8	DIRECT BURIED HIGH VOLTAGE STREETLIGHT CABLE
2	2"	2#8 & 1#8 GROUND	
3	2"	2#8 & 1#8 GROUND	JUNCTION BOX TO RRFB
4	1"	2C & 1#8 GROUND	JUNCTION BOX TO SINGLE PPB
5	1"	4C & 1#8 GROUND	JUNCTION BOX TO SIGNAL POLE THEN TO SIGNAL CABINET VIA EXISTING SPAN WIRE
6	(3) 2"	(4) SETS OF 5C & 1#8 GROUND	JUNCTION BOX TO SIGNAL CABINET
7	1-1/4"	(4) SETS OF 5C	JUNCTION BOX TO SIGNAL POLE
8	2"	(4) SETS OF 5C	JUNCTION BOX TO SIGNAL POLE
9	1"	2-2C & 1#8 GROUND	JUNCTION BOX TO DOUBLE PPB
10	1"	2-2C & 1#8 GROUND	JUNCTION BOX TO SIGNAL POLE
11	2"		PULL CORD
12	SEE COMMENTS	2-5C	SIGNAL TRAFFIC HEAD TO SIGNAL CABINET VIA EXISTING SPAN WIRE/CONDUIT
13	SEE COMMENTS		EXISTING TRAFFIC SIGNAL INTERCONNECT CABLE
14	2"	2-2C	PPB JUNCTION BOX TO PPB JUNCTION BOX TO SIGNAL CABINET

FINAL DESIGN



NO.	REVISION	DATE	APPD.
		3/7/24	

FINAL CONSTRUCTION CHECKED	DATE	SCALE
	3/7/2024	AS SHOWN
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DPH	JCM	
DRAWN	FILE NAME	
DPH	2160917.14	



DocuSigned by:
Jack Colby
ENGINEERING DIVISION MANAGER

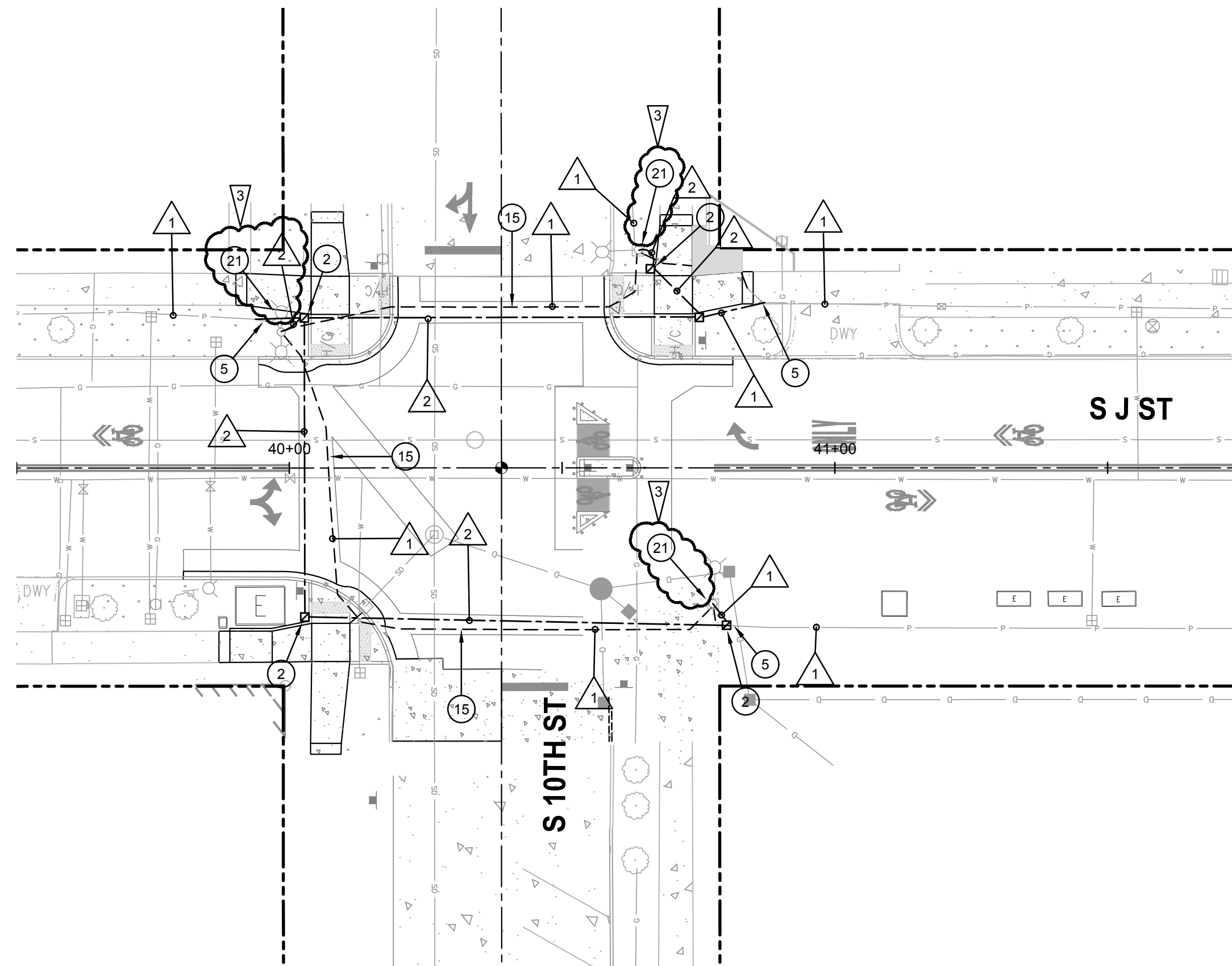
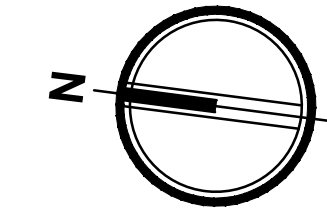
CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

J STREET BICYCLE BOULEVARD PROJECT
ELECTRICAL PLAN
S 9TH ST

PROJECT NO.
PKW-G0057

AMBL JOB NO.
2160917.14
SHEET NO. EL-04
SHEET 99 OF 137

Addendum 3



GENERAL NOTES

1. CLOSE COORDINATION BETWEEN ALL UTILITIES AND STREET LIGHTS, PEDESTRIAN LIGHTS, CONCRETE BASES, JUNCTION BOXES, CONDUIT ROUTING, ETC. IS REQUIRED. OTHER BELOW GRADE UTILITIES, I.E. STORM LINES AND DRAINS, ARE LOCATED IN VICINITY.
2. EXISTING STREETLIGHT AND SIGNAL CONDUITS AND CABLES SHALL BE LOCATED AND DEPTH VERIFIED BY THE CONTRACTOR BEFORE SAWCUTTING, EXCAVATION, DEMOLITION OR GRADING OCCURS. LOWERING OF OR DAMAGE TO THE SYSTEM WILL REQUIRE NEW CONDUITS, CABLES AND POSSIBLY THE ADDITION OF JUNCTION BOXES. NOTE: SIGNAL CABLES CANNOT HAVE SPLICES AND MUST BE REPLACED IN ITS ENTIRETY.
3. CONTRACTOR TO VERIFY THE SIZE AND NUMBER OF CONDUITS IN THE STREET LIGHT/SIGNAL POLE FOUNDATION.

LEGEND

- EXISTING SIGNAL POLE WITH LUMINAIRE
- EXISTING TRAFFIC SIGNAL HEAD
- RELOCATED TRAFFIC SIGNAL HEAD
- EXISTING WSDOT TYPE 1 JUNCTION BOX WITH ALTERNATIVE 2 LOCKING LID PER WSDOT STANDARD PLAN J-40.10-04
- WSDOT TYPE 2 JUNCTION BOX WITH ALTERNATIVE 2 LOCKING LID PER WSDOT STANDARD PLAN J-40.10-04
- EXISTING TRAFFIC SIGNAL CONTROLLER CABINET
- NEW SIGNAL WIRE IN CONDUIT OR AFFIXED TO SPAN WIRE
- NEW UNDERGROUND 2" CONDUIT AND WIRE (STREET LIGHT)
- EXISTING UNDERGROUND CONDUIT/WIRE OR DIRECT BURIAL CABLE
- WIRE NOTE, SEE WIRING SCHEDULE
- PLAN NOTE, SEE PLAN NOTES
- REVISION BY ADDENDUM

NOTE: REFER TO CITY OF TACOMA GENERAL SPECIAL PROVISIONS AND DETAILS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

PLAN NOTES

(NOT ALL PLAN NOTES USED ON EVERY SHEET)

1. PROVIDE WSDOT TYPE 2 JUNCTION BOX WITH LOCKING LID TO INTERCEPT EXISTING STREET LIGHT DIRECT BURIED CABLE. COORDINATE WITH CIVIL AND LANDSCAPING FOR EXACT PLACEMENT OF JUNCTION BOX. WORK WITH CITY CREWS TO DE-ENERGIZE/INTERCEPT DIRECT BURIED STREETLIGHT CABLES. TRAFFIC SIGNAL/STREETLIGHT SHOP (253) 591-5287. LABEL JUNCTION BOX LID WITH SYSTEM IDENTIFICATION LETTERS "LT". SEE CITY OF TACOMA STANDARD PLAN TS-08.
2. PROVIDE WSDOT TYPE 1 JUNCTION BOX WITH LOCKING LID. COORDINATE WITH CIVIL AND LANDSCAPING FOR EXACT PLACEMENT OF JUNCTION BOX. LABEL JUNCTION BOX LID WITH SYSTEM IDENTIFICATION LETTERS "LT". SEE CITY OF TACOMA STANDARD PLAN TS-08.
3. RECTANGULAR RAPID FLASHING BEACON (RRFB) WITH PEDESTRIAN PUSH BUTTON AND NEW CONCRETE FOUNDATION. PROVIDE AND COMPLETE INTERNAL WIRING PER MANUFACTURERS RECOMMENDATIONS. SEE DETAIL ON CIVIL DETAIL SHEET DT-11 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
4. REMOVE EXISTING STREET LIGHTING JUNCTION BOX TO FACILITATE NEW CONSTRUCTION. SEE PLAN NOTE 1 FOR LOCATION OF NEW JUNCTION BOX.
5. LOCATE EXISTING STREET LIGHT DIRECT BURIED WIRING AND RE-ROUTE TO NEW JUNCTION BOX.
6. PROVIDE WSDOT TYPE 1 JUNCTION BOX WITH LOCKING LID. COORDINATE WITH CIVIL AND LANDSCAPING FOR EXACT PLACEMENT OF JUNCTION BOX. LABEL JUNCTION BOX LID WITH SYSTEM IDENTIFICATION LETTERS "TS". SEE CITY OF TACOMA STANDARD PLAN TS-08.
7. POLE MOUNT SINGLE PEDESTRIAN PUSH BUTTON (PPB). PROVIDE AND COMPLETE INTERNAL WIRING PER MANUFACTURERS RECOMMENDATIONS. SEE DETAIL ON CIVIL DETAIL SHEET DT-12, DETAIL 4, FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
8. PEDESTRIAN PUSH BUTTON (PPB) MOUNTED ON EXISTING SIGNAL POLE. PROVIDE AND COMPLETE INTERNAL WIRING PER MANUFACTURERS RECOMMENDATIONS. SEE DETAIL ON CIVIL DETAIL SHEET DT-13 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
9. REMOVE EXISTING STREET LIGHTING JUNCTION BOX TO FACILITATE NEW CONSTRUCTION. TYPICAL 3 THIS LOCATION. SEE SHEET EC-03. NORTHERNMOST BOX APPEARS TO BE NO LONGER IN USE. MIDDLE BOX IS STREET LIGHT WIRING. SOUTHERNMOST BOX IS SIGNAL WIRING. SEE PLAN NOTES 1 AND 10 FOR LOCATION OF NEW JUNCTION BOXES.
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11. POLE MOUNT DOUBLE PEDESTRIAN PUSH BUTTON (PPB). PROVIDE AND COMPLETE INTERNAL WIRING PER MANUFACTURERS RECOMMENDATIONS. SEE DETAIL ON CIVIL DETAIL SHEET DT-12, DETAIL 4, FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
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16. EXISTING STREET LIGHT/SIGNAL CABINET. PROVIDE EQUIPMENT WITHIN CABINET FOR ADDED ACCESSIBLE PEDESTRIAN SIGNALS TO OPERATE. WORK WITH CITY CREWS FOR REQUIRED CONNECTIONS. TRAFFIC SIGNAL/STREETLIGHT SHOP (253) 591-5287.
17. EXISTING SIGNAL INTERCONNECT CONDUIT AND CABLE. CONTRACTOR TO VERIFY DEPTH AND LOCATION. IF DAMAGED, POSSIBLE CABLE REPLACEMENT MAY BE BETWEEN MLK JR WAY AND YAKIMA AVE.
18. RELOCATE EXISTING TRAFFIC SIGNAL HEAD TO NEW LOCATION AS SHOWN TO ALIGN WITH ROADWAY REVISIONS. SEE CITY OF TACOMA STANDARD PLAN TS-14. PROVIDE NEW CABLE AND CONNECTIONS TO SIGNAL CABINET.
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20. LOCATE AND INTERCEPT EXISTING CONDUITS AT SIGNAL POLE FOUNDATION AND UTILIZE FOR WIRE/CABLE RUNS NOTED.
21. EXISTING STREET LIGHT. DISCONNECT AND REMOVE DIRECT BURY WIRING FROM STREET LIGHT TO NEW JUNCTION BOX AND PROVIDE NEW CONDUIT AND WIRE AS SHOWN. COMPLETE CONNECTIONS AT STREET LIGHT FOR COMPLETE OPERATION.
22. EXISTING JUNCTION BOX TO REMAIN AND BE RE-USED FOR CONNECTION OF STREET LIGHT CONDUITS AND WIRING AS SHOWN.
23. SOLAR POWERED RRFB. EXISTING CONCRETE FOUNDATION TO BE RE-USED.

CONDUIT/WIRING SCHEDULE

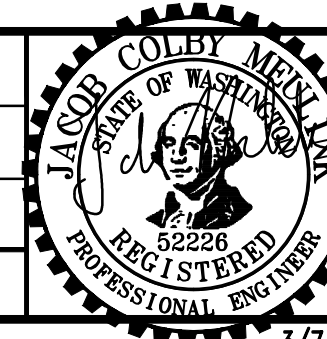
RUN NO.	CONDUIT	WIRE	COMMENTS
1	SEE COMMENTS	2#8	DIRECT BURIED HIGH VOLTAGE STREETLIGHT CABLE
2	2"	2#8 & 1#8 GROUND	
3	2"	2#8 & 1#8 GROUND	JUNCTION BOX TO RRFB
4	1"	2C & 1#8 GROUND	JUNCTION BOX TO SINGLE PPB
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11	2"		PULL CORD
12	SEE COMMENTS	2-5C	SIGNAL TRAFFIC HEAD TO SIGNAL CABINET VIA EXISTING SPAN WIRE/CONDUIT
13	SEE COMMENTS		EXISTING TRAFFIC SIGNAL INTERCONNECT CABLE
14	2"	2-2C	PPB JUNCTION BOX TO PPB JUNCTION BOX TO SIGNAL CABINET

FINAL DESIGN



NO.	3	REVISION	DATE	APPD
		CHANNELIZATION AND ELECTRICAL CHANGES	3/7/24	

FINAL CONSTRUCTION CHECKED	DATE	SCALE
	3/7/2024	AS SHOWN
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DPH	JCM	
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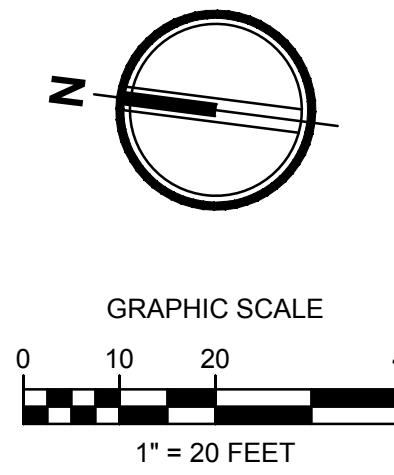
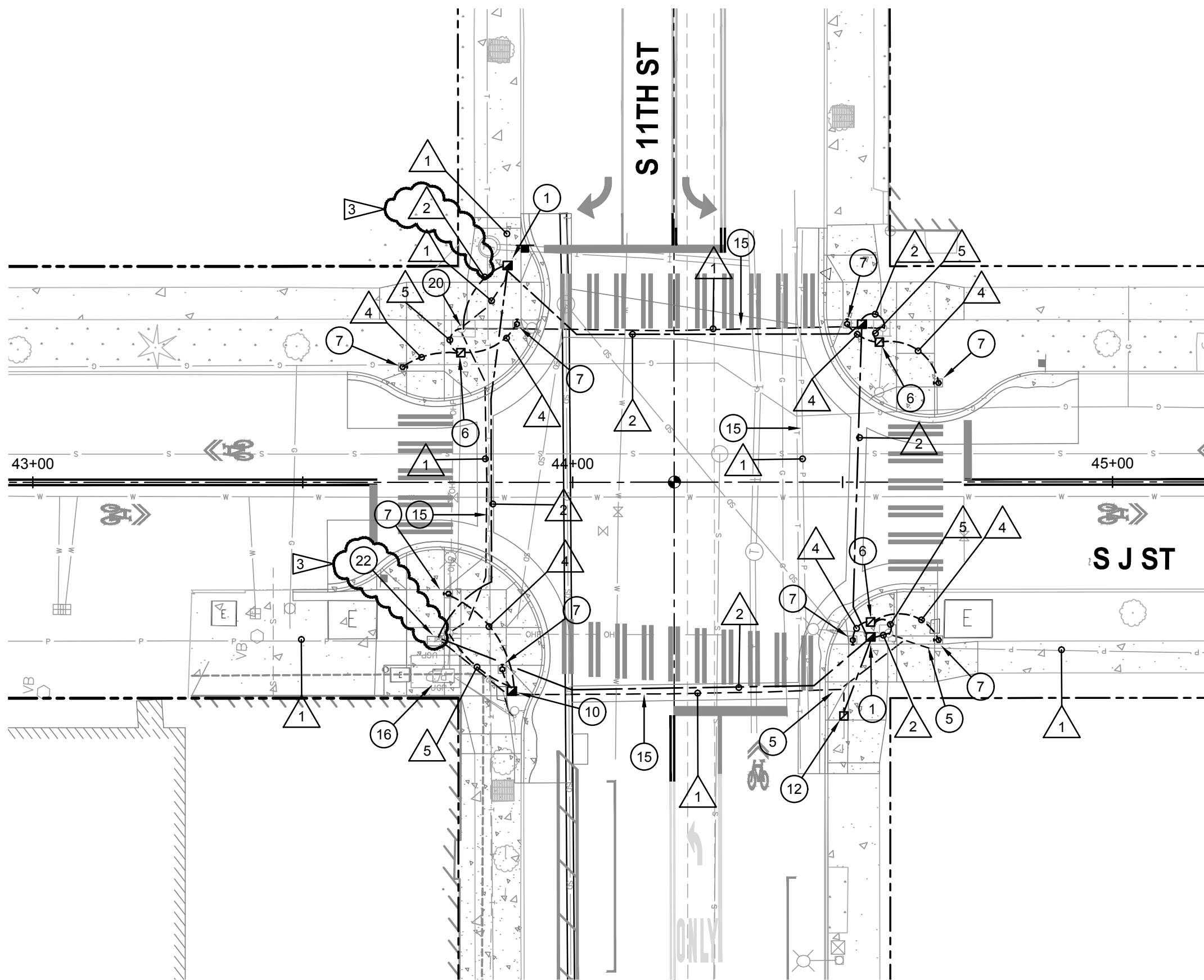
DocuSigned by:
Jason Coleby
ENGINEERING DIVISION CHANGER

CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

J STREET BICYCLE BOULEVARD PROJECT
ELECTRICAL PLAN
S 10TH ST

PROJECT NO.
PKW-G0057
AHBL JOB NO.
2160917.14
SHEET NO.
EL-05
SHEET 100 of 137

Addendum 3



GENERAL NOTES

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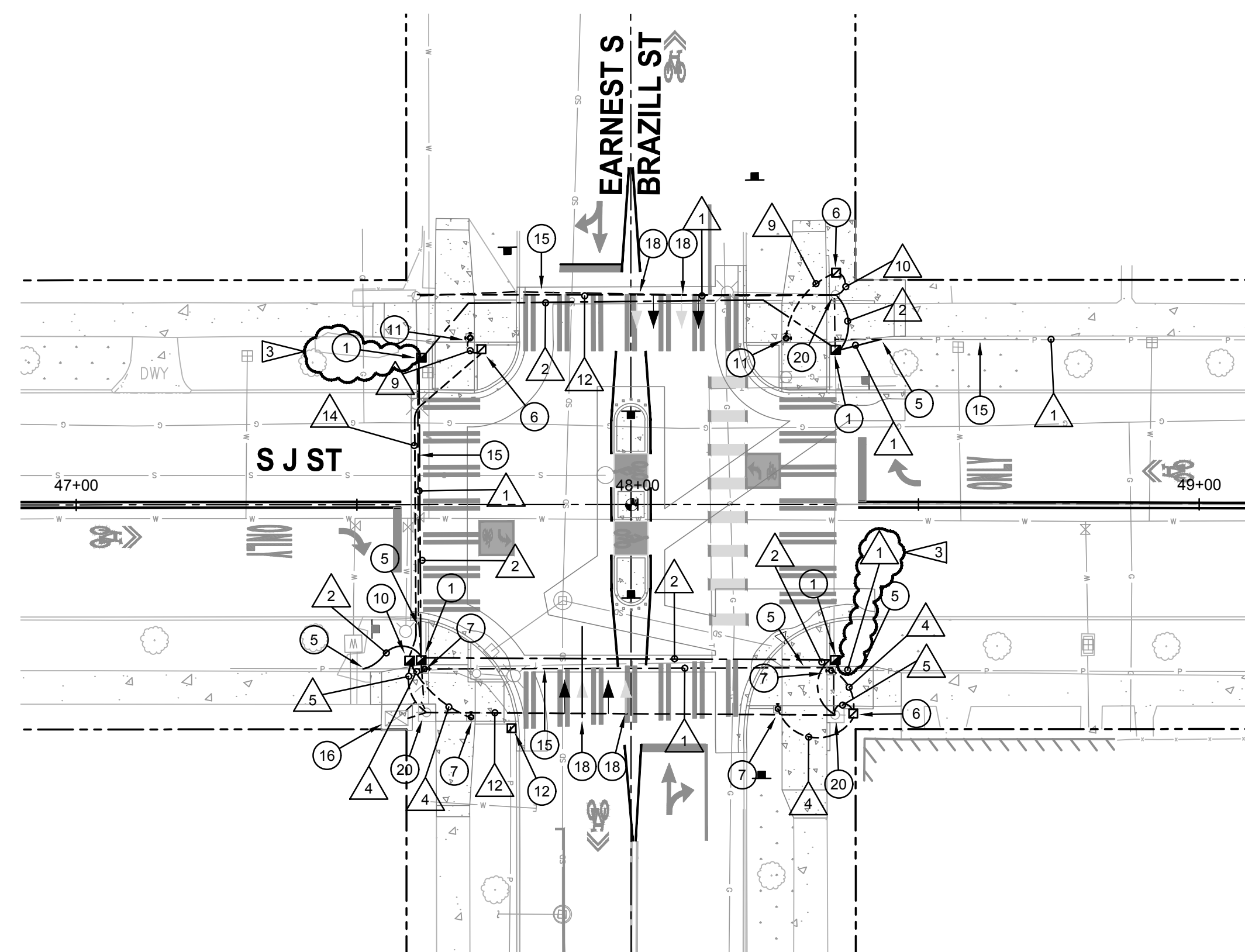
- EXISTING SIGNAL POLE WITH LUMINAIRE
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- WSDOT TYPE 2 JUNCTION BOX WITH ALTERNATIVE 2 LOCKING LID PER WSDOT STANDARD PLAN J-40.10-04
- EXISTING TRAFFIC SIGNAL CONTROLLER CABINET
- NEW SIGNAL WIRE IN CONDUIT OR AFFIXED TO SPAN WIRE
- NEW UNDERGROUND 2" CONDUIT AND WIRE (STREET LIGHT)
- EXISTING UNDERGROUND CONDUIT/WIRE OR DIRECT BURIAL CABLE
- WIRE NOTE, SEE WIRING SCHEDULE
- PLAN NOTE, SEE PLAN NOTES
- REVISION BY ADDENDUM

NOTE: REFER TO CITY OF TACOMA GENERAL SPECIAL PROVISIONS AND DETAILS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

PLAN NOTES

(NOT ALL PLAN NOTES USED ON EVERY SHEET)

- PROVIDE WSDOT TYPE 2 JUNCTION BOX WITH LOCKING LID TO INTERCEPT EXISTING STREET LIGHT DIRECT BURIED CABLE. COORDINATE WITH CIVIL AND LANDSCAPING FOR EXACT PLACEMENT OF JUNCTION BOX. WORK WITH CITY CREWS TO DE-ENERGIZE/INTERCEPT DIRECT BURIED STREETLIGHT CABLES. TRAFFIC SIGNAL/STREETLIGHT SHOP (253) 591-5287. LABEL JUNCTION BOX LID WITH SYSTEM IDENTIFICATION LETTERS "LT". SEE CITY OF TACOMA STANDARD PLAN TS-08.
- PROVIDE WSDOT TYPE 1 JUNCTION BOX WITH LOCKING LID. COORDINATE WITH CIVIL AND LANDSCAPING FOR EXACT PLACEMENT OF JUNCTION BOX. LABEL JUNCTION BOX LID WITH SYSTEM IDENTIFICATION LETTERS "LT". SEE CITY OF TACOMA STANDARD PLAN TS-08.
- RECTANGULAR RAPID FLASHING BEACON (RRFB) WITH PEDESTRIAN PUSH BUTTON AND NEW CONCRETE FOUNDATION. PROVIDE AND COMPLETE INTERNAL WIRING PER MANUFACTURERS RECOMMENDATIONS. SEE DETAIL ON CIVIL DETAIL SHEET DT-11 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- REMOVE EXISTING STREET LIGHTING JUNCTION BOX TO FACILITATE NEW CONSTRUCTION. SEE PLAN NOTE 1 FOR LOCATION OF NEW JUNCTION BOX.
- LOCATE EXISTING STREET LIGHT DIRECT BURIED WIRING AND RE-ROUTE TO NEW JUNCTION BOX.
- PROVIDE WSDOT TYPE 1 JUNCTION BOX WITH LOCKING LID. COORDINATE WITH CIVIL AND LANDSCAPING FOR EXACT PLACEMENT OF JUNCTION BOX. LABEL JUNCTION BOX LID WITH SYSTEM IDENTIFICATION LETTERS "TS". SEE CITY OF TACOMA STANDARD PLAN TS-08.
- POLE MOUNT SINGLE PEDESTRIAN PUSH BUTTON (PPB). PROVIDE AND COMPLETE INTERNAL WIRING PER MANUFACTURERS RECOMMENDATIONS. SEE DETAIL ON CIVIL DETAIL SHEET DT-12, DETAIL 4, FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- PEDESTRIAN PUSH BUTTON (PPB) MOUNTED ON EXISTING SIGNAL POLE. PROVIDE AND COMPLETE INTERNAL WIRING PER MANUFACTURERS RECOMMENDATIONS. SEE DETAIL ON CIVIL DETAIL SHEET DT-13 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
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- SOLAR POWERED RRFB AND NEW CONCRETE FOUNDATION.
- EXISTING FLASHING BEACON EQUIPMENT TO BE DISCONNECTED AND REMOVED. CUT ANCHOR BOLTS AND CONDUITS FLUSH TO GRADE. FILL/SEAL OFF CONDUITS.
- STREETLIGHT HIGH VOLTAGE DIRECT BURIED CABLE. DEPTH AND LOCATION SHALL BE VERIFIED BY CONTRACTOR BEFORE EXCAVATION, TYPICAL. CABLE SHALL BE REMOVED IN AREAS WHERE NEW WORK IS PROVIDED.
- EXISTING STREET LIGHT/SIGNAL CABINET. PROVIDE EQUIPMENT WITHIN CABINET FOR ADDED ACCESSIBLE PEDESTRIAN SIGNALS TO OPERATE. WORK WITH CITY CREWS FOR REQUIRED CONNECTIONS. TRAFFIC SIGNAL/STREETLIGHT SHOP (253) 591-5287.
- EXISTING SIGNAL INTERCONNECT CONDUIT AND CABLE. CONTRACTOR TO VERIFY DEPTH AND LOCATION. IF DAMAGED, POSSIBLE CABLE REPLACEMENT MAY BE BETWEEN MLK JR WAY AND YAKIMA AVE.
- RELOCATE EXISTING TRAFFIC SIGNAL HEAD TO NEW LOCATION AS SHOWN TO ALIGN WITH ROADWAY REVISIONS. SEE CITY OF TACOMA STANDARD PLAN TS-14. PROVIDE NEW CABLE AND CONNECTIONS TO SIGNAL CABINET.
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- LOCATE AND INTERCEPT EXISTING CONDUITS AT SIGNAL POLE FOUNDATION AND UTILIZE FOR WIRE/CABLE RUNS NOTED.
- EXISTING STREET LIGHT. DISCONNECT AND REMOVE DIRECT BURY WIRING FROM STREET LIGHT TO NEW JUNCTION BOX AND PROVIDE NEW CONDUIT AND WIRE AS SHOWN. COMPLETE CONNECTIONS AT STREET LIGHT FOR COMPLETE OPERATION.
- EXISTING JUNCTION BOX TO REMAIN AND BE RE-USED FOR CONNECTION OF STREET LIGHT CONDUITS AND WIRING AS SHOWN.
- SOLAR POWERED RRFB. EXISTING CONCRETE FOUNDATION TO BE RE-USED.



CONDUIT/WIRING SCHEDULE

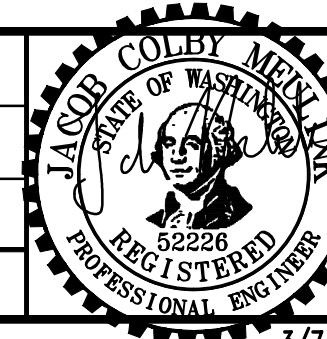
RUN NO.	CONDUIT	WIRE	COMMENTS
1	SEE COMMENTS	2#8	DIRECT BURIED HIGH VOLTAGE STREETLIGHT CABLE
2	2"	2#8 & 1#8 GROUND	
3	2"	2#8 & 1#8 GROUND	JUNCTION BOX TO RRFB
4	1"	2C & 1#8 GROUND	JUNCTION BOX TO SINGLE PPB
5	1"	4C & 1#8 GROUND	JUNCTION BOX TO SIGNAL POLE THEN TO SIGNAL CABINET VIA EXISTING SPAN WIRE
6	(3) 2"	(4) SETS OF 5C & 1#8 GROUND	JUNCTION BOX TO SIGNAL CABINET
7	1-1/4"	(4) SETS OF 5C	JUNCTION BOX TO SIGNAL POLE
8	2"	(4) SETS OF 5C	JUNCTION BOX TO SIGNAL POLE
9	1"	2-2C & 1#8 GROUND	JUNCTION BOX TO DOUBLE PPB
10	1"	2-2C & 1#8 GROUND	JUNCTION BOX TO SIGNAL POLE
11	2"		PULL CORD
12	SEE COMMENTS	2-5C	SIGNAL TRAFFIC HEAD TO SIGNAL CABINET VIA EXISTING SPAN WIRE/CONDUIT
13	SEE COMMENTS		EXISTING TRAFFIC SIGNAL INTERCONNECT CABLE
14	2"	2-2C	PPB JUNCTION BOX TO PPB JUNCTION BOX TO SIGNAL CABINET

FINAL DESIGN



NO.	REVISION	DATE	APPD.
	CHANNELIZATION AND ELECTRICAL CHANGES	3/7/24	

FINAL CONSTRUCTION CHECKED	DATE	SCALE
	3/7/2024	AS SHOWN
DESIGNED	CHECKED	
DPH	JCM	
DRAWN	FILE NAME	
DPH	2160917.14	



DocuSigned by:
Michael Colby
ENGINEERING DIVISION MANAGER

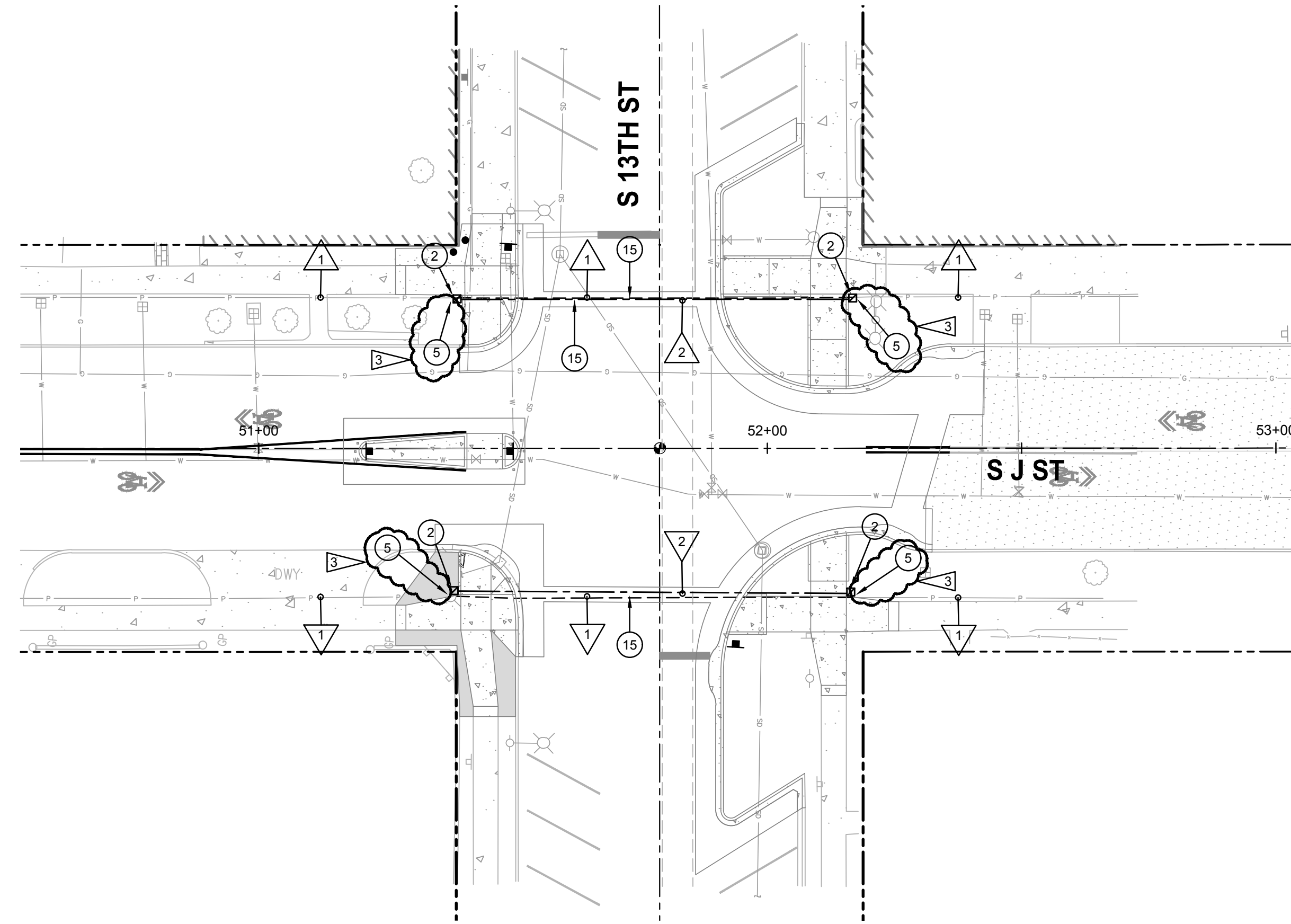
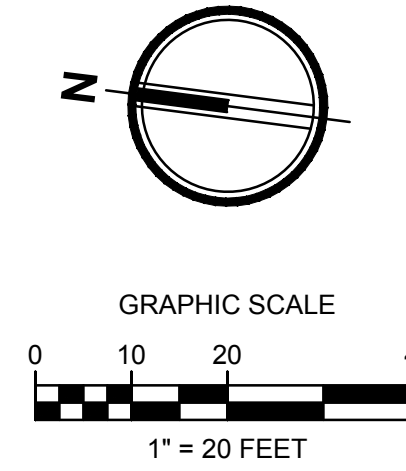
CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

J STREET BICYCLE BOULEVARD PROJECT
ELECTRICAL PLAN
S 11TH ST & EARNEST S BRAZILL ST

PROJECT NO. PKW-60057
AHBL JOB NO. 2160917.14
SHEET NO. EL-06
SHEET 101 OF 137

3/7/24

Addendum 3



GENERAL NOTES

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- EXISTING STREETLIGHT AND SIGNAL CONDUITS AND CABLES SHALL BE LOCATED AND DEPTH VERIFIED BY THE CONTRACTOR BEFORE SAWCUTTING, EXCAVATION, DEMOLITION OR GRADING OCCURS. LOWERING OF OR DAMAGE TO THE SYSTEM WILL REQUIRE NEW CONDUITS, CABLES AND POSSIBLY THE ADDITION OF JUNCTION BOXES. NOTE: SIGNAL CABLES CANNOT HAVE SPLICES AND MUST BE REPLACED IN ITS ENTIRETY.
- CONTRACTOR TO VERIFY THE SIZE AND NUMBER OF CONDUITS IN THE STREET LIGHT/SIGNAL POLE FOUNDATION.

LEGEND

- EXISTING SIGNAL POLE WITH LUMINAIRE
- EXISTING TRAFFIC SIGNAL HEAD
- RELOCATED TRAFFIC SIGNAL HEAD
- EXISTING WSDOT TYPE 1 JUNCTION BOX WITH ALTERNATIVE 2 LOCKING LID PER WSDOT STANDARD PLAN J-40.10-04
- WSDOT TYPE 2 JUNCTION BOX WITH ALTERNATIVE 2 LOCKING LID PER WSDOT STANDARD PLAN J-40.10-04
- EXISTING TRAFFIC SIGNAL CONTROLLER CABINET
- NEW SIGNAL WIRE IN CONDUIT OR AFFIXED TO SPAN WIRE
- NEW UNDERGROUND 2" CONDUIT AND WIRE (STREET LIGHT)
- EXISTING UNDERGROUND CONDUIT/WIRE OR DIRECT BURIAL CABLE
- WIRE NOTE, SEE WIRING SCHEDULE
- PLAN NOTE, SEE PLAN NOTES
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NOTE: REFER TO CITY OF TACOMA GENERAL SPECIAL PROVISIONS AND DETAILS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

PLAN NOTES

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- LOCATE EXISTING STREET LIGHT DIRECT BURIED WIRING AND RE-ROUTE TO NEW JUNCTION BOX.
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CONDUIT/WIRING SCHEDULE

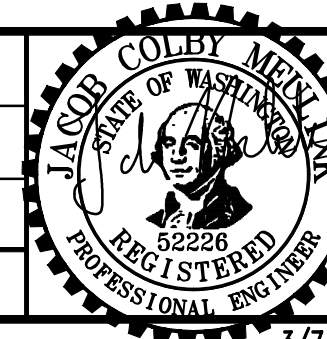
RUN NO.	CONDUIT	WIRE	COMMENTS
1	SEE COMMENTS	2#8	DIRECT BURIED HIGH VOLTAGE STREETLIGHT CABLE
2	2"	2#8 & 1#8 GROUND	
3	2"	2#8 & 1#8 GROUND	JUNCTION BOX TO RRFB
4	1"	2C & 1#8 GROUND	JUNCTION BOX TO SINGLE PPB
5	1"	4C & 1#8 GROUND	JUNCTION BOX TO SIGNAL POLE THEN TO SIGNAL CABINET VIA EXISTING SPAN WIRE
6	(3) 2"	(4) SETS OF 5C & 1#8 GROUND	JUNCTION BOX TO SIGNAL CABINET
7	1-1/4"	(4) SETS OF 5C	JUNCTION BOX TO SIGNAL POLE
8	2"	(4) SETS OF 5C	JUNCTION BOX TO SIGNAL POLE
9	1"	2-2C & 1#8 GROUND	JUNCTION BOX TO DOUBLE PPB
10	1"	2-2C & 1#8 GROUND	JUNCTION BOX TO SIGNAL POLE
11	2"		PULL CORD
12	SEE COMMENTS	2-5C	SIGNAL TRAFFIC HEAD TO SIGNAL CABINET VIA EXISTING SPAN WIRE/CONDUIT
13	SEE COMMENTS		EXISTING TRAFFIC SIGNAL INTERCONNECT CABLE
14	2"	2-2C	PPB JUNCTION BOX TO PPB JUNCTION BOX TO SIGNAL CABINET

FINAL DESIGN



NO.	REVISION	DATE	APPD.
3	CHANNELIZATION AND ELECTRICAL CHANGES	3/7/24	

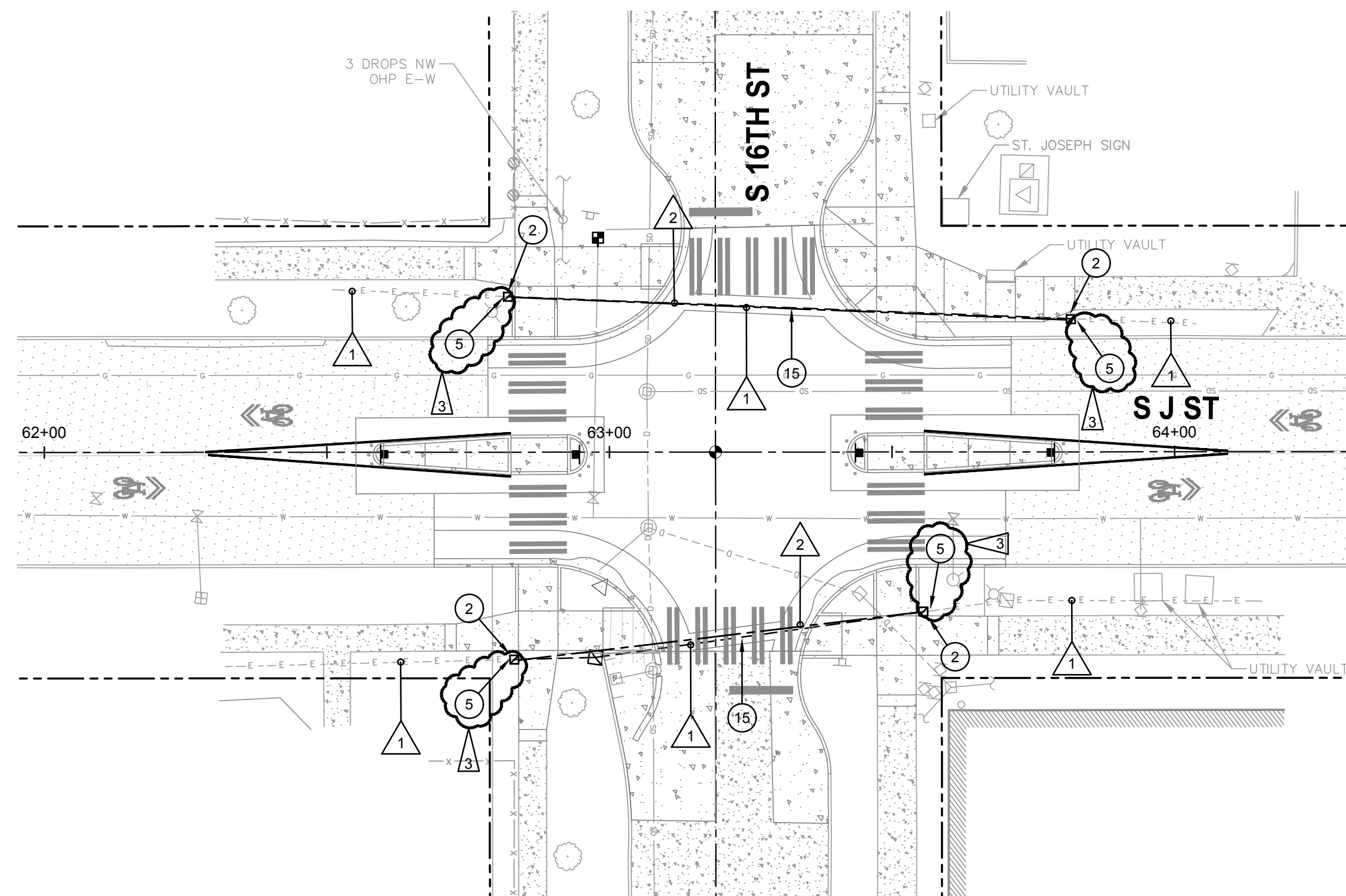
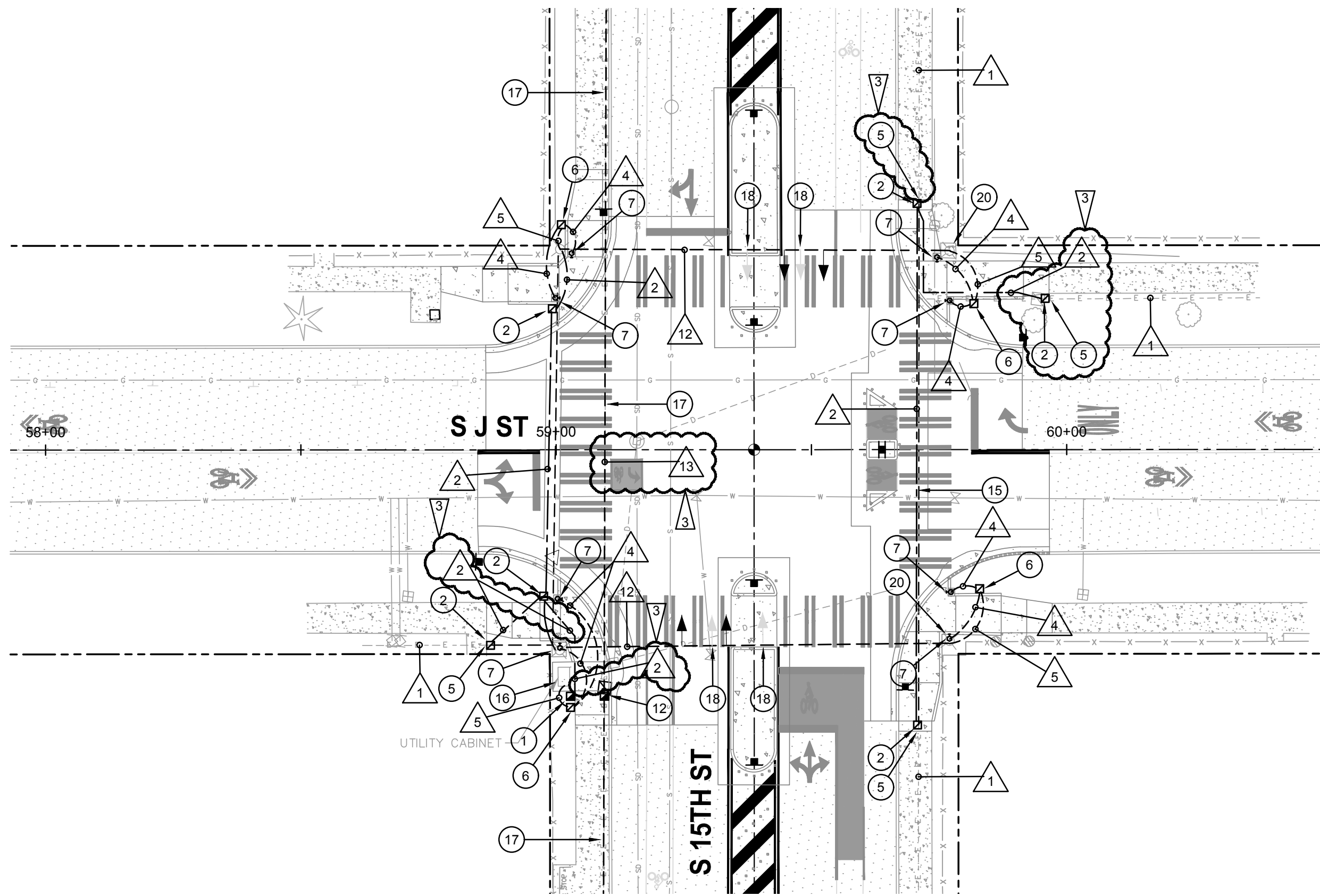
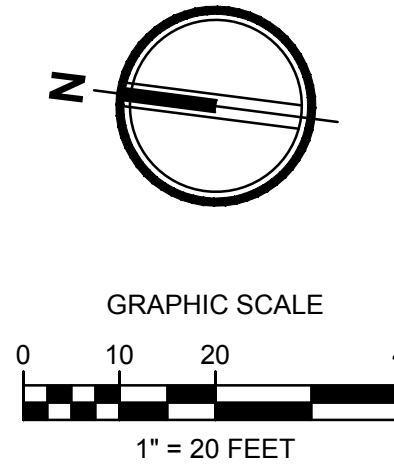
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BY	3/7/2024	AS SHOWN
DATE	DESIGNED	CHECKED
FIELD BOOKS	DPH	JCM
	DRAWN	FILE NAME
	DPH	2160917.14



CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS
J STREET BICYCLE BOULEVARD PROJECT
ELECTRICAL PLAN
S 13TH ST

PROJECT NO.	PKW-60057
AMBL JOB NO.	2160917.14
SHEET NO.	EL-07
SHEET	102 of 137

Addendum 3



GENERAL NOTES

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- CONTRACTOR TO VERIFY THE SIZE AND NUMBER OF CONDUITS IN THE STREET LIGHT/SIGNAL POLE FOUNDATION.

LEGEND

- EXISTING SIGNAL POLE WITH LUMINAIRE
- EXISTING TRAFFIC SIGNAL HEAD
- RELOCATED TRAFFIC SIGNAL HEAD
- EXISTING WSDOT TYPE 1 JUNCTION BOX WITH ALTERNATIVE 2 LOCKING LID PER WSDOT STANDARD PLAN J-40.10-04
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- EXISTING TRAFFIC SIGNAL CONTROLLER CABINET
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CONDUIT/WIRING SCHEDULE

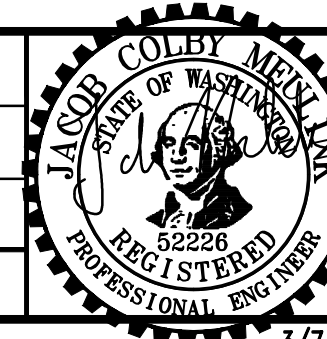
RUN NO.	CONDUIT	WIRE	COMMENTS
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8	2"	(4) SETS OF 5C	JUNCTION BOX TO SIGNAL POLE
9	1"	2-2C & 1#8 GROUND	JUNCTION BOX TO DOUBLE PPB
10	1"	2-2C & 1#8 GROUND	JUNCTION BOX TO SIGNAL POLE
11	2"		PULL CORD
12	SEE COMMENTS	2-5C	SIGNAL TRAFFIC HEAD TO SIGNAL CABINET VIA EXISTING SPAN WIRE/CONDUIT
13	SEE COMMENTS		EXISTING TRAFFIC SIGNAL INTERCONNECT CABLE
14	2"	2-2C	PPB JUNCTION BOX TO PPB JUNCTION BOX TO SIGNAL CABINET

FINAL DESIGN



NO	REVISION	DATE	APPD
	CHANNELIZATION AND ELECTRICAL CHANGES	3/7/24	

FINAL CONSTRUCTION CHECKED	DATE	SCALE
BY	3/7/2024	AS SHOWN
DATE	DESIGNED	CHECKED
	DPH	JCM
FIELD BOOKS	DRAWN	FILE NAME
	DPH	2160917.14

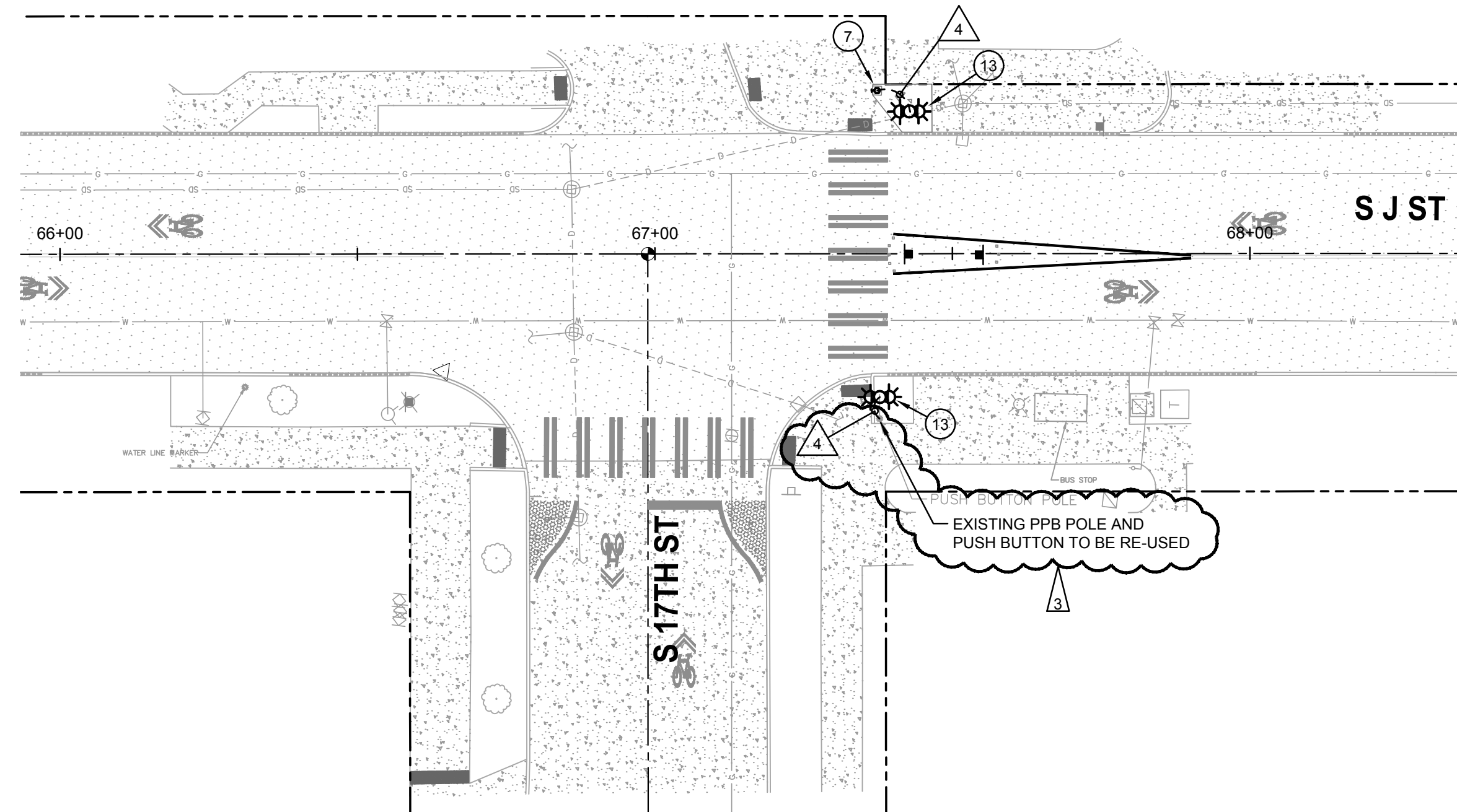
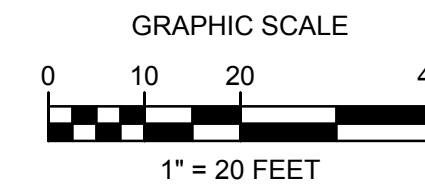
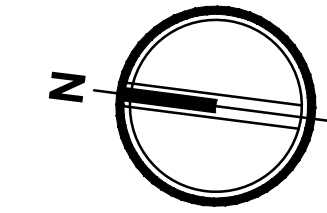


CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

J STREET BICYCLE BOULEVARD PROJECT
ELECTRICAL PLAN
S 15TH ST & S 16TH ST

PROJECT NO. PKW-60057
AHBL JOB NO. 2160917.14
SHEET NO. EL-08
SHEET 103 OF 137

Addendum 3



GENERAL NOTES

- CLOSE COORDINATION BETWEEN ALL UTILITIES AND STREET LIGHTS, PEDESTRIAN LIGHTS, CONCRETE BASES, JUNCTION BOXES, CONDUIT ROUTING, ETC. IS REQUIRED. OTHER BELOW GRADE UTILITIES, I.E. STORM LINES AND DRAINS, ARE LOCATED IN VICINITY.
- EXISTING STREETLIGHT AND SIGNAL CONDUITS AND CABLES SHALL BE LOCATED AND DEPTH VERIFIED BY THE CONTRACTOR BEFORE SAWCUTTING, EXCAVATION, DEMOLITION OR GRADING OCCURS. LOWERING OF OR DAMAGE TO THE SYSTEM WILL REQUIRE NEW CONDUITS, CABLES AND POSSIBLY THE ADDITION OF JUNCTION BOXES. NOTE: SIGNAL CABLES CANNOT HAVE SPLICES AND MUST BE REPLACED IN ITS ENTIRETY.
- CONTRACTOR TO VERIFY THE SIZE AND NUMBER OF CONDUITS IN THE STREET LIGHT/SIGNAL POLE FOUNDATION.

LEGEND

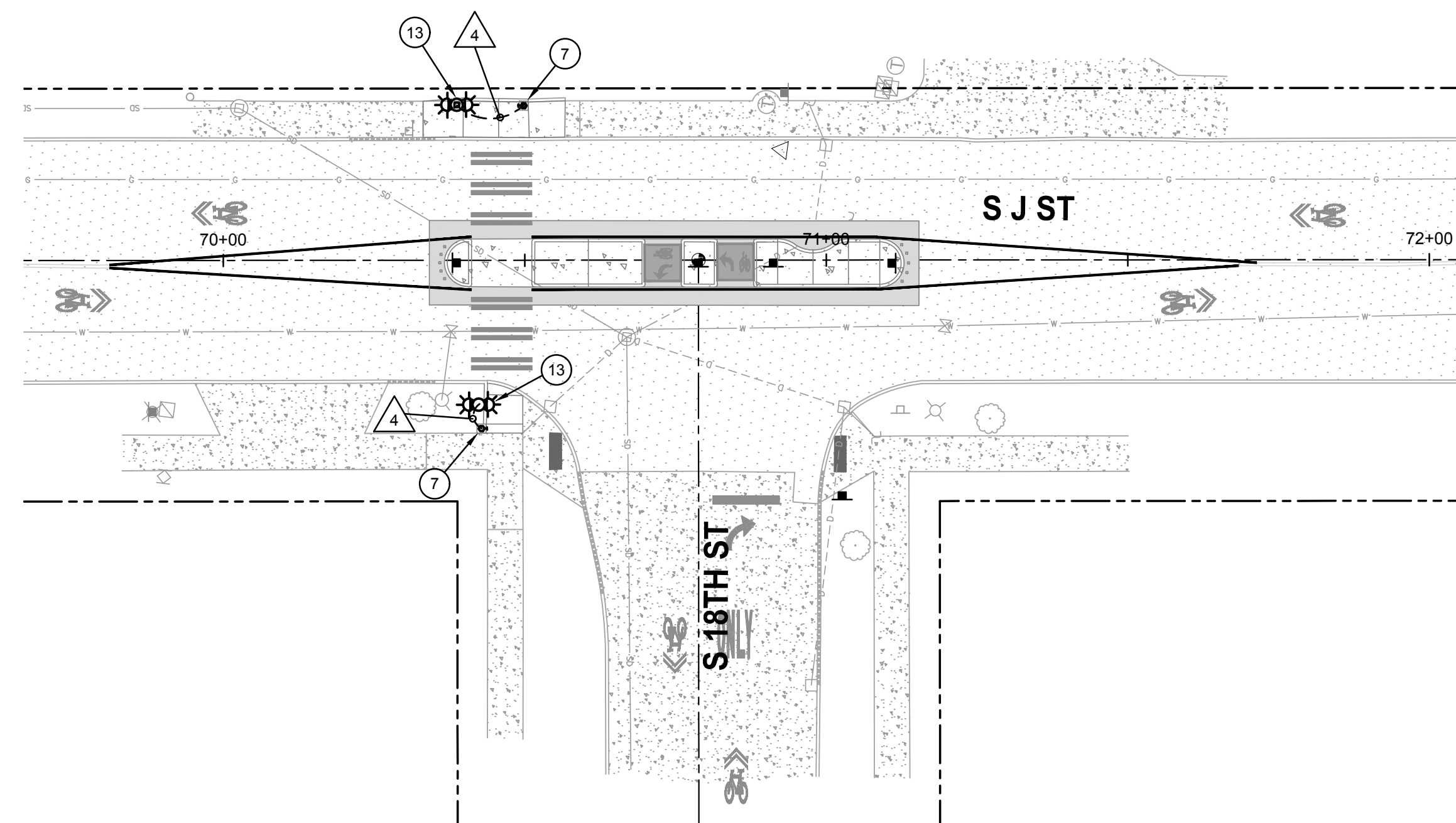
- EXISTING SIGNAL POLE WITH LUMINAIRE
- EXISTING TRAFFIC SIGNAL HEAD
- RELOCATED TRAFFIC SIGNAL HEAD
- EXISTING WSDOT TYPE 1 JUNCTION BOX WITH ALTERNATIVE 2 LOCKING LID PER WSDOT STANDARD PLAN J-40.10-04
- WSDOT TYPE 2 JUNCTION BOX WITH ALTERNATIVE 2 LOCKING LID PER WSDOT STANDARD PLAN J-40.10-04
- EXISTING TRAFFIC SIGNAL CONTROLLER CABINET
- NEW SIGNAL WIRE IN CONDUIT OR AFFIXED TO SPAN WIRE
- NEW UNDERGROUND 2" CONDUIT AND WIRE (STREET LIGHT)
- EXISTING UNDERGROUND CONDUIT/WIRE OR DIRECT BURIAL CABLE
- WIRE NOTE, SEE WIRING SCHEDULE
- PLAN NOTE, SEE PLAN NOTES
- REVISION BY ADDENDUM

NOTE: REFER TO CITY OF TACOMA GENERAL SPECIAL PROVISIONS AND DETAILS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

PLAN NOTES

(NOT ALL PLAN NOTES USED ON EVERY SHEET)

- PROVIDE WSDOT TYPE 2 JUNCTION BOX WITH LOCKING LID TO INTERCEPT EXISTING STREET LIGHT DIRECT BURIED CABLE. COORDINATE WITH CIVIL AND LANDSCAPING FOR EXACT PLACEMENT OF JUNCTION BOX. WORK WITH CITY CREWS TO DE-ENERGIZE/INTERCEPT DIRECT BURIED STREETLIGHT CABLES. TRAFFIC SIGNAL/STREETLIGHT SHOP (253) 591-5287. LABEL JUNCTION BOX LID WITH SYSTEM IDENTIFICATION LETTERS "LT". SEE CITY OF TACOMA STANDARD PLAN TS-08.
- PROVIDE WSDOT TYPE 1 JUNCTION BOX WITH LOCKING LID. COORDINATE WITH CIVIL AND LANDSCAPING FOR EXACT PLACEMENT OF JUNCTION BOX. LABEL JUNCTION BOX LID WITH SYSTEM IDENTIFICATION LETTERS "LT". SEE CITY OF TACOMA STANDARD PLAN TS-08.
- RECTANGULAR RAPID FLASHING BEACON (RRFB) WITH PEDESTRIAN PUSH BUTTON AND NEW CONCRETE FOUNDATION. PROVIDE AND COMPLETE INTERNAL WIRING PER MANUFACTURERS RECOMMENDATIONS. SEE DETAIL ON CIVIL DETAIL SHEET DT-11 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- REMOVE EXISTING STREET LIGHTING JUNCTION BOX TO FACILITATE NEW CONSTRUCTION. SEE PLAN NOTE 1 FOR LOCATION OF NEW JUNCTION BOX.
- LOCATE EXISTING STREET LIGHT DIRECT BURIED WIRING AND RE-ROUTE TO NEW JUNCTION BOX.
- PROVIDE WSDOT TYPE 1 JUNCTION BOX WITH LOCKING LID. COORDINATE WITH CIVIL AND LANDSCAPING FOR EXACT PLACEMENT OF JUNCTION BOX. LABEL JUNCTION BOX LID WITH SYSTEM IDENTIFICATION LETTERS "TS". SEE CITY OF TACOMA STANDARD PLAN TS-08.
- POLE MOUNT SINGLE PEDESTRIAN PUSH BUTTON (PPB). PROVIDE AND COMPLETE INTERNAL WIRING PER MANUFACTURERS RECOMMENDATIONS. SEE DETAIL ON CIVIL DETAIL SHEET DT-12, DETAIL 4, FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- PEDESTRIAN PUSH BUTTON (PPB) MOUNTED ON EXISTING SIGNAL POLE. PROVIDE AND COMPLETE INTERNAL WIRING PER MANUFACTURERS RECOMMENDATIONS. SEE DETAIL ON CIVIL DETAIL SHEET DT-13 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- REMOVE EXISTING STREET LIGHTING JUNCTION BOX TO FACILITATE NEW CONSTRUCTION, TYPICAL 3 THIS LOCATION. SEE SHEET EC-03. NORTHERNMOST BOX APPEARS TO BE NO LONGER IN USE. MIDDLE BOX IS STREET LIGHT WIRING. SOUTHERNMOST BOX IS SIGNAL WIRING. SEE PLAN NOTES 1 AND 10 FOR LOCATION OF NEW JUNCTION BOXES.
- PROVIDE WSDOT TYPE 2 JUNCTION BOX WITH LOCKING LID. COORDINATE WITH CIVIL AND LANDSCAPING FOR EXACT PLACEMENT OF JUNCTION BOX. LABEL JUNCTION BOX LID WITH SYSTEM IDENTIFICATION LETTERS "TS". SEE CITY OF TACOMA STANDARD PLAN TS-08.
- POLE MOUNT DOUBLE PEDESTRIAN PUSH BUTTON (PPB). PROVIDE AND COMPLETE INTERNAL WIRING PER MANUFACTURERS RECOMMENDATIONS. SEE DETAIL ON CIVIL DETAIL SHEET DT-12, DETAIL 4, FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- EXISTING JUNCTION BOX TO BE REMOVED AND REPLACED WITH NEW TO FACILITATE GRADE CHANGES. SEE CIVIL DEMO PLAN.
- SOLAR POWERED RRFB AND NEW CONCRETE FOUNDATION.
- EXISTING FLASHING BEACON EQUIPMENT TO BE DISCONNECTED AND REMOVED. CUT ANCHOR BOLTS AND CONDUITS FLUSH TO GRADE. FILL/SEAL OFF CONDUITS.
- STREETLIGHT HIGH VOLTAGE DIRECT BURIED CABLE. DEPTH AND LOCATION SHALL BE VERIFIED BY CONTRACTOR BEFORE EXCAVATION, TYPICAL. CABLE SHALL BE REMOVED IN AREAS WHERE NEW WORK IS PROVIDED.
- EXISTING STREET LIGHT/SIGNAL CABINET. PROVIDE EQUIPMENT WITHIN CABINET FOR ADDED ACCESSIBLE PEDESTRIAN SIGNALS TO OPERATE. WORK WITH CITY CREWS FOR REQUIRED CONNECTIONS. TRAFFIC SIGNAL/STREETLIGHT SHOP (253) 591-5287.
- EXISTING SIGNAL INTERCONNECT CONDUIT AND CABLE. CONTRACTOR TO VERIFY DEPTH AND LOCATION. IF DAMAGED, POSSIBLE CABLE REPLACEMENT MAY BE BETWEEN MLK JR WAY AND YAKIMA AVE.
- RELOCATE EXISTING TRAFFIC SIGNAL HEAD TO NEW LOCATION AS SHOWN TO ALIGN WITH ROADWAY REVISIONS. SEE CITY OF TACOMA STANDARD PLAN TS-14. PROVIDE NEW CABLE AND CONNECTIONS TO SIGNAL CABINET.
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- LOCATE AND INTERCEPT EXISTING CONDUITS AT SIGNAL POLE FOUNDATION AND UTILIZE FOR WIRE/CABLE RUNS NOTED.
- EXISTING STREET LIGHT. DISCONNECT AND REMOVE DIRECT BURY WIRING FROM STREET LIGHT TO NEW JUNCTION BOX AND PROVIDE NEW CONDUIT AND WIRE AS SHOWN. COMPLETE CONNECTIONS AT STREET LIGHT FOR COMPLETE OPERATION.
- EXISTING JUNCTION BOX TO REMAIN AND BE RE-USED FOR CONNECTION OF STREET LIGHT CONDUITS AND WIRING AS SHOWN.
- SOLAR POWERED RRFB. EXISTING CONCRETE FOUNDATION TO BE RE-USED.



CONDUIT/WIRING SCHEDULE

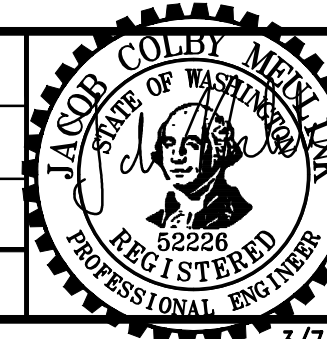
RUN NO.	CONDUIT	WIRE	COMMENTS
1	SEE COMMENTS	2#8	DIRECT BURIED HIGH VOLTAGE STREETLIGHT CABLE
2	2"	2#8 & 1#8 GROUND	
3	2"	2#8 & 1#8 GROUND	JUNCTION BOX TO RRFB
4	1"	2C & 1#8 GROUND	JUNCTION BOX TO SINGLE PPB
5	1"	4C & 1#8 GROUND	JUNCTION BOX TO SIGNAL POLE THEN TO SIGNAL CABINET VIA EXISTING SPAN WIRE
6	(3) 2"	(4) SETS OF 5C & 1#8 GROUND	JUNCTION BOX TO SIGNAL CABINET
7	1-1/4"	(4) SETS OF 5C	JUNCTION BOX TO SIGNAL POLE
8	2"	(4) SETS OF 5C	JUNCTION BOX TO SIGNAL POLE
9	1"	2-2C & 1#8 GROUND	JUNCTION BOX TO DOUBLE PPB
10	1"	2-2C & 1#8 GROUND	JUNCTION BOX TO SIGNAL POLE
11	2"		PULL CORD
12	SEE COMMENTS	2-5C	SIGNAL TRAFFIC HEAD TO SIGNAL CABINET VIA EXISTING SPAN WIRE/CONDUIT
13	SEE COMMENTS		EXISTING TRAFFIC SIGNAL INTERCONNECT CABLE
14	2"	2-2C	PPB JUNCTION BOX TO PPB JUNCTION BOX TO SIGNAL CABINET

FINAL DESIGN



NO	REVISION	DATE	APPD
	CHANNELIZATION AND ELECTRICAL CHANGES	3/7/24	

FINAL CONSTRUCTION CHECKED	DATE	SCALE
	3/7/2024	AS SHOWN
DESIGNED	CHECKED	
DPH	JCM	
DRAWN	FILE NAME	
DPH	2160917.14	



DocuSigned by:
Jacob Colby Merrill
ENGINEERING DESIGN WARRIOR

CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

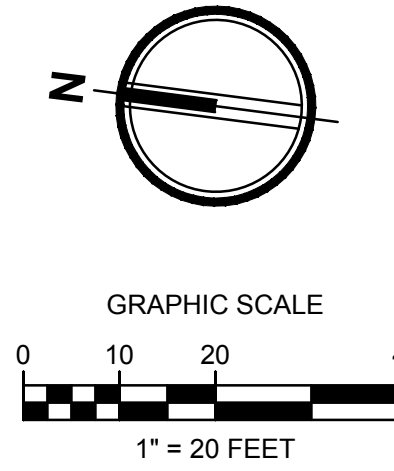
J STREET BICYCLE BOULEVARD PROJECT
ELECTRICAL PLAN
S 17TH ST & S 18TH ST

PROJECT NO.
PKW-G0057

AMBL JOB NO.
2160917.14
SHEET NO. EL-09
SHEET 104 of 137

3/7/24

Addendum 3



GENERAL NOTES

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LEGEND

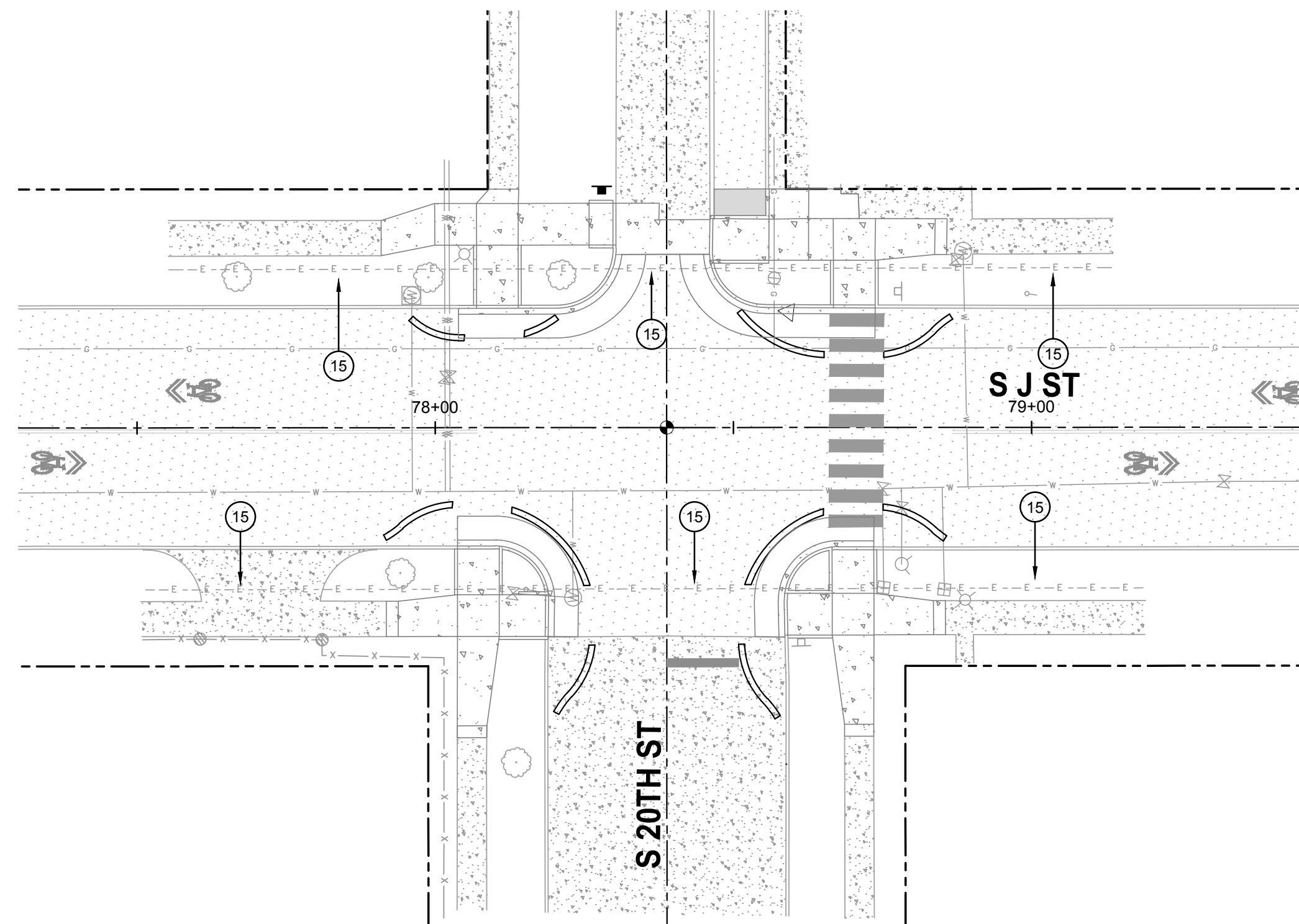
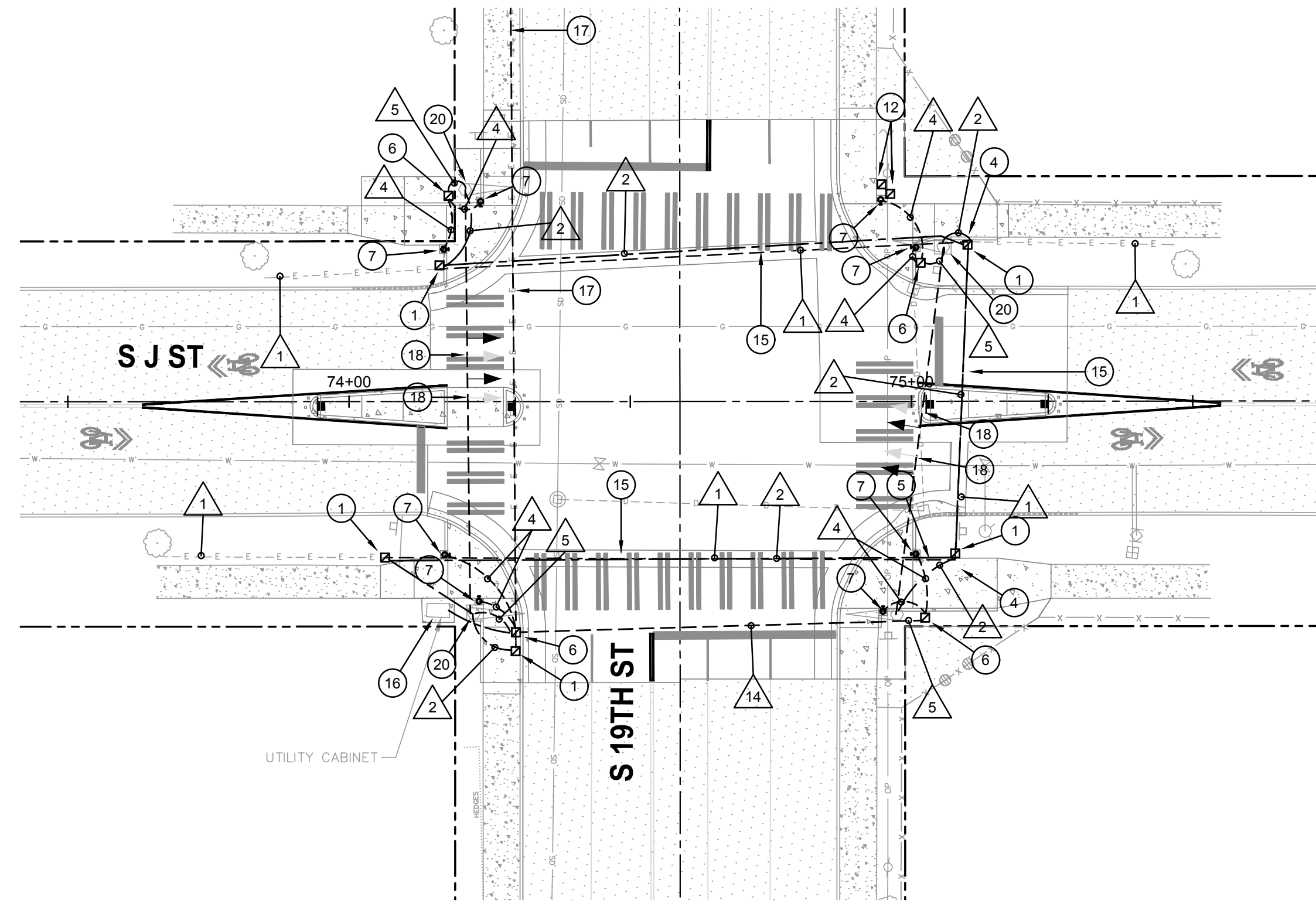
- EXISTING SIGNAL POLE WITH LUMINAIRE
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NOTE: REFER TO CITY OF TACOMA GENERAL SPECIAL PROVISIONS AND DETAILS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

PLAN NOTES

(NOT ALL PLAN NOTES USED ON EVERY SHEET)

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CONDUIT/WIRING SCHEDULE

RUN NO.	CONDUIT	WIRE	COMMENTS
1	SEE COMMENTS	2#8	DIRECT BURIED HIGH VOLTAGE STREETLIGHT CABLE
2	2"	2#8 & 1#8 GROUND	
3	2"	2#8 & 1#8 GROUND	JUNCTION BOX TO RRFB
4	1"	2C & 1#8 GROUND	JUNCTION BOX TO SINGLE PPB
5	1"	4C & 1#8 GROUND	JUNCTION BOX TO SIGNAL POLE THEN TO SIGNAL CABINET VIA EXISTING SPAN WIRE
6	(3) 2"	(4) SETS OF 5C & 1#8 GROUND	JUNCTION BOX TO SIGNAL CABINET
7	1-1/4"	(4) SETS OF 5C	JUNCTION BOX TO SIGNAL POLE
8	2"	(4) SETS OF 5C	JUNCTION BOX TO SIGNAL POLE
9	1"	2-2C & 1#8 GROUND	JUNCTION BOX TO DOUBLE PPB
10	1"	2-2C & 1#8 GROUND	JUNCTION BOX TO SIGNAL POLE
11	2"		PULL CORD
12	SEE COMMENTS	2-5C	SIGNAL TRAFFIC HEAD TO SIGNAL CABINET VIA EXISTING SPAN WIRE/CONDUIT
13	SEE COMMENTS		EXISTING TRAFFIC SIGNAL INTERCONNECT CABLE
14	2"	2-2C	PPB JUNCTION BOX TO PPB JUNCTION BOX TO SIGNAL CABINET

FINAL DESIGN

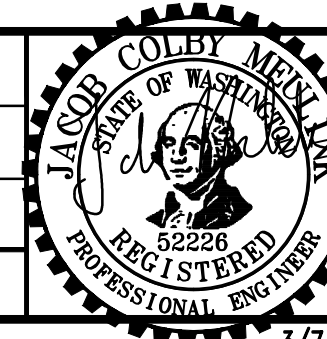
TRES WEST ENGINEERS, INC.
 2702 SOUTH 42ND STREET, SUITE 301
 TACOMA, WA 98409-7315
 Phone: 253.472.3300
 www.treswest.com

AHBL TACOMA · SEATTLE
 SPOKANE · TRICITIES
 2215 North 30th Street, Suite 300 Tacoma, WA 98403
 253.383.2422 TEL 253.383.2572 FAX www.ahbl.com WEB



NO	REVISION	DATE	APPD
3	CHANNELIZATION AND ELECTRICAL CHANGES	3/7/24	

FINAL CONSTRUCTION CHECKED	DATE	SCALE
BY	3/7/2024	AS SHOWN
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	DPH	2160917.14

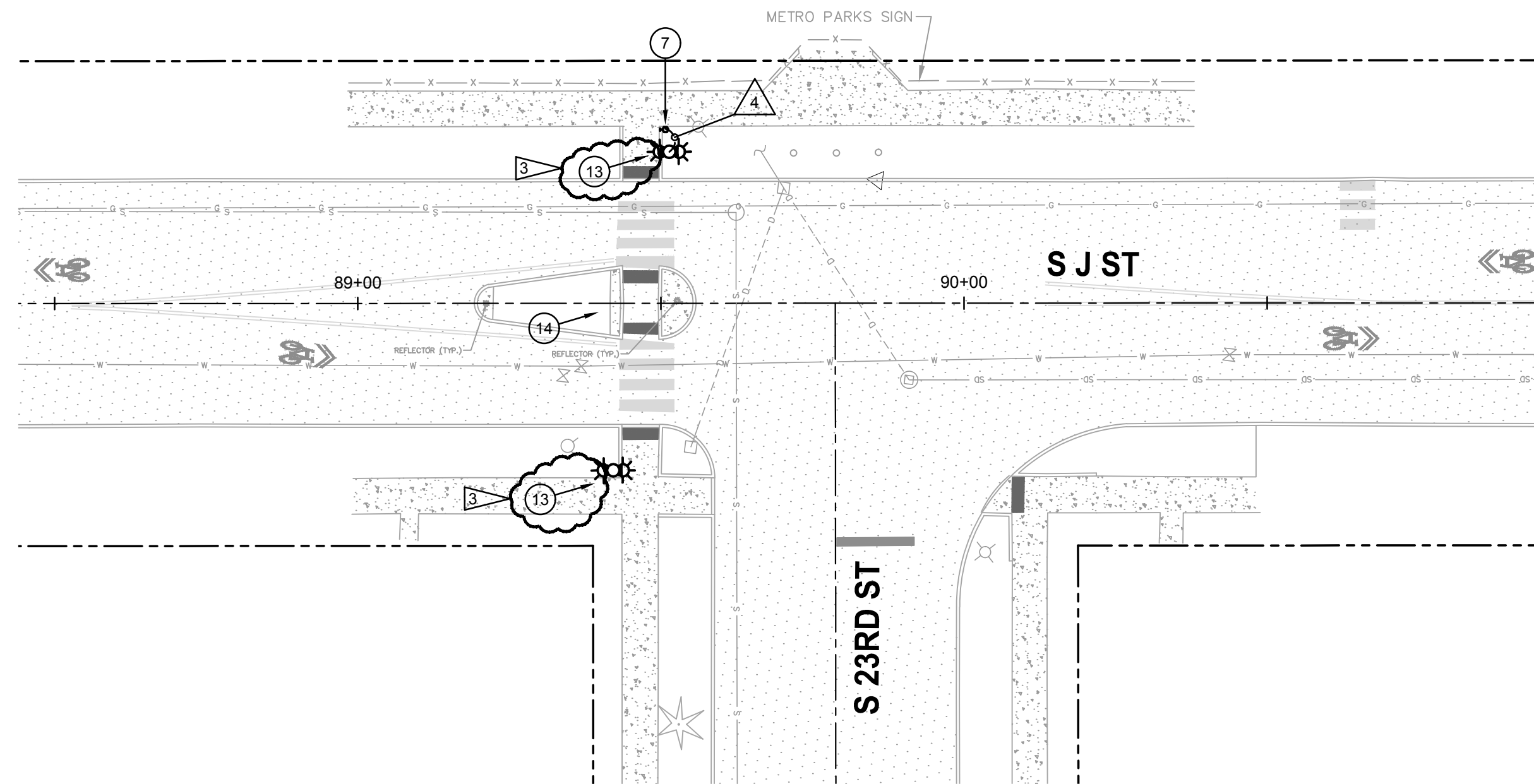
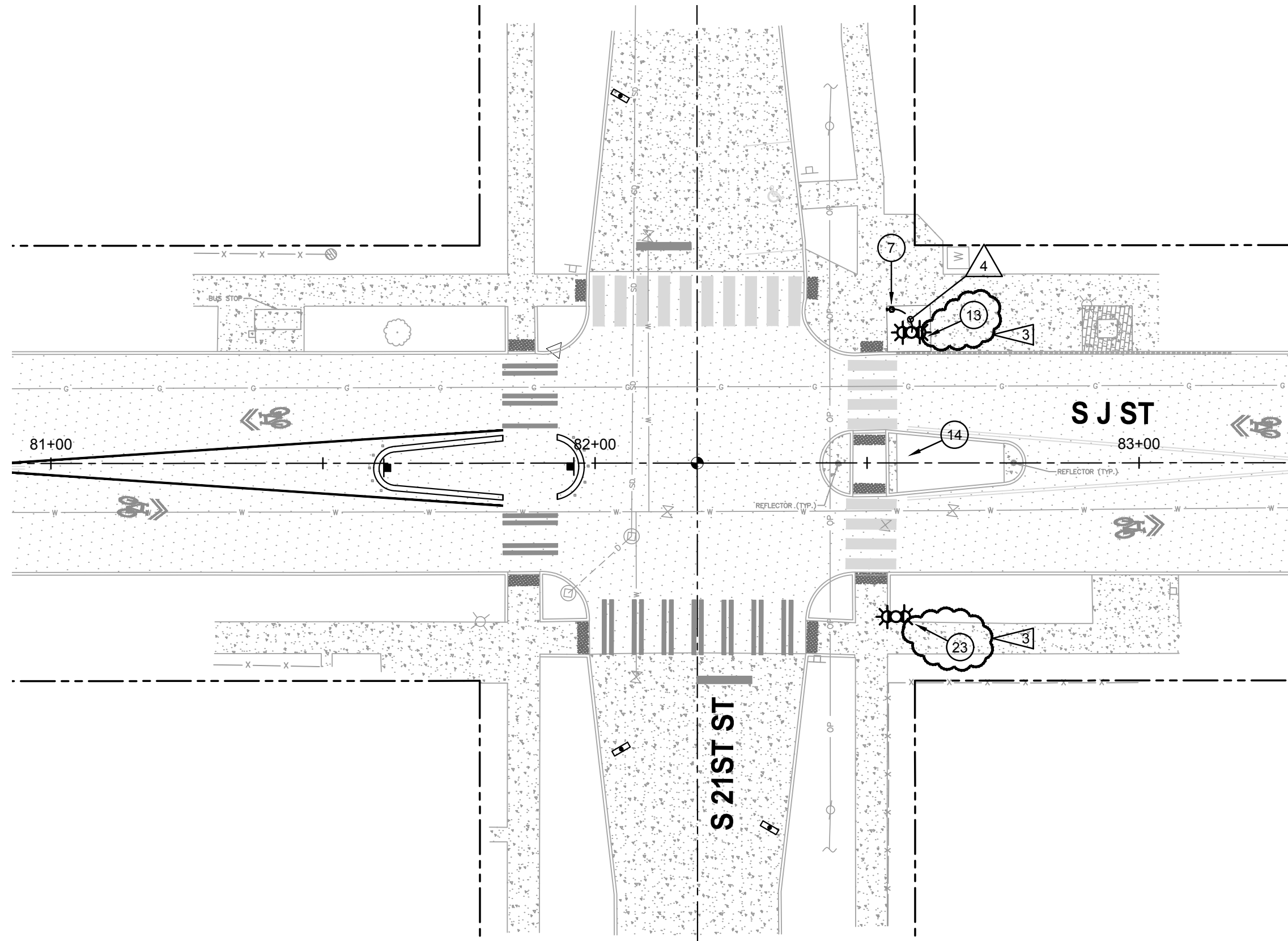
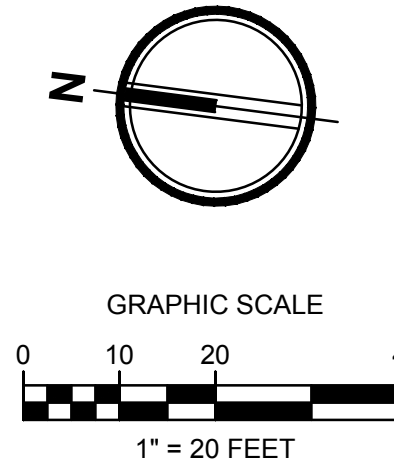


DocuSigned by:
 Noel Melusur
 ENGINEERING DIVISION MEMBER

CITY OF TACOMA
 DEPARTMENT OF PUBLIC WORKS
 J STREET BICYCLE BOULEVARD PROJECT
 ELECTRICAL PLAN
 S 19TH ST & S 20TH ST

PROJECT NO.	PKW-60057
AHBL JOB NO.	2160917.14
SHEET NO.	EL-10
SHEET	105 of 137

Addendum 3



GENERAL NOTES

1. CLOSE COORDINATION BETWEEN ALL UTILITIES AND STREET LIGHTS, PEDESTRIAN LIGHTS, CONCRETE BASES, JUNCTION BOXES, CONDUIT ROUTING, ETC. IS REQUIRED. OTHER BELOW GRADE UTILITIES, I.E. STORM LINES AND DRAINS, ARE LOCATED IN VICINITY.
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3. CONTRACTOR TO VERIFY THE SIZE AND NUMBER OF CONDUITS IN THE STREET LIGHT/SIGNAL POLE FOUNDATION.

LEGEND

- EXISTING SIGNAL POLE WITH LUMINAIRE
- EXISTING TRAFFIC SIGNAL HEAD
- RELOCATED TRAFFIC SIGNAL HEAD
- EXISTING WSDOT TYPE 1 JUNCTION BOX WITH ALTERNATIVE 2 LOCKING LID PER WSDOT STANDARD PLAN J-40.10-04
- WSDOT TYPE 2 JUNCTION BOX WITH ALTERNATIVE 2 LOCKING LID PER WSDOT STANDARD PLAN J-40.10-04
- EXISTING TRAFFIC SIGNAL CONTROLLER CABINET
- NEW SIGNAL WIRE IN CONDUIT OR AFFIXED TO SPAN WIRE
- NEW UNDERGROUND 2" CONDUIT AND WIRE (STREET LIGHT)
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- WIRE NOTE, SEE WIRING SCHEDULE
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NOTE: REFER TO CITY OF TACOMA GENERAL SPECIAL PROVISIONS AND DETAILS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

PLAN NOTES

(NOT ALL PLAN NOTES USED ON EVERY SHEET)

1. PROVIDE WSDOT TYPE 2 JUNCTION BOX WITH LOCKING LID TO INTERCEPT EXISTING STREET LIGHT DIRECT BURIED CABLE. COORDINATE WITH CIVIL AND LANDSCAPING FOR EXACT PLACEMENT OF JUNCTION BOX. WORK WITH CITY CREWS TO DE-ENERGIZE/INTERCEPT DIRECT BURIED STREETLIGHT CABLES. TRAFFIC SIGNAL/STREETLIGHT SHOP (253) 591-5287. LABEL JUNCTION BOX LID WITH SYSTEM IDENTIFICATION LETTERS "LT". SEE CITY OF TACOMA STANDARD PLAN TS-08.
2. PROVIDE WSDOT TYPE 1 JUNCTION BOX WITH LOCKING LID. COORDINATE WITH CIVIL AND LANDSCAPING FOR EXACT PLACEMENT OF JUNCTION BOX. LABEL JUNCTION BOX LID WITH SYSTEM IDENTIFICATION LETTERS "LT". SEE CITY OF TACOMA STANDARD PLAN TS-08.
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5. LOCATE EXISTING STREET LIGHT DIRECT BURIED WIRING AND RE-ROUTE TO NEW JUNCTION BOX.
6. PROVIDE WSDOT TYPE 1 JUNCTION BOX WITH LOCKING LID. COORDINATE WITH CIVIL AND LANDSCAPING FOR EXACT PLACEMENT OF JUNCTION BOX. LABEL JUNCTION BOX LID WITH SYSTEM IDENTIFICATION LETTERS "TS". SEE CITY OF TACOMA STANDARD PLAN TS-08.
7. POLE MOUNT SINGLE PEDESTRIAN PUSH BUTTON (PPB). PROVIDE AND COMPLETE INTERNAL WIRING PER MANUFACTURERS RECOMMENDATIONS. SEE DETAIL ON CIVIL DETAIL SHEET DT-12, DETAIL 4, FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
8. PEDESTRIAN PUSH BUTTON (PPB) MOUNTED ON EXISTING SIGNAL POLE. PROVIDE AND COMPLETE INTERNAL WIRING PER MANUFACTURERS RECOMMENDATIONS. SEE DETAIL ON CIVIL DETAIL SHEET DT-13 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
9. REMOVE EXISTING STREET LIGHTING JUNCTION BOX TO FACILITATE NEW CONSTRUCTION. TYPICAL 3 THIS LOCATION. SEE SHEET EC-03. NORTHERNMOST BOX APPEARS TO BE NO LONGER IN USE. MIDDLE BOX IS STREET LIGHT WIRING. SOUTHERNMOST BOX IS SIGNAL WIRING. SEE PLAN NOTES 1 AND 10 FOR LOCATION OF NEW JUNCTION BOXES.
10. PROVIDE WSDOT TYPE 2 JUNCTION BOX WITH LOCKING LID. COORDINATE WITH CIVIL AND LANDSCAPING FOR EXACT PLACEMENT OF JUNCTION BOX. LABEL JUNCTION BOX LID WITH SYSTEM IDENTIFICATION LETTERS "TS". SEE CITY OF TACOMA STANDARD PLAN TS-08.
11. POLE MOUNT DOUBLE PEDESTRIAN PUSH BUTTON (PPB). PROVIDE AND COMPLETE INTERNAL WIRING PER MANUFACTURERS RECOMMENDATIONS. SEE DETAIL ON CIVIL DETAIL SHEET DT-12, DETAIL 4, FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
12. EXISTING JUNCTION BOX TO BE REMOVED AND REPLACED WITH NEW TO FACILITATE GRADE CHANGES. SEE CIVIL DEMO PLAN.
13. SOLAR POWERED RRFB AND NEW CONCRETE FOUNDATION.
14. EXISTING FLASHING BEACON EQUIPMENT TO BE DISCONNECTED AND REMOVED. CUT ANCHOR BOLTS AND CONDUITS FLUSH TO GRADE. FILL/SEAL OFF CONDUITS.
15. STREETLIGHT HIGH VOLTAGE DIRECT BURIED CABLE. DEPTH AND LOCATION SHALL BE VERIFIED BY CONTRACTOR BEFORE EXCAVATION. TYPICAL. CABLE SHALL BE REMOVED IN AREAS WHERE NEW WORK IS PROVIDED.
16. EXISTING STREET LIGHT/SIGNAL CABINET. PROVIDE EQUIPMENT WITHIN CABINET FOR ADDED ACCESSIBLE PEDESTRIAN SIGNALS TO OPERATE. WORK WITH CITY CREWS FOR REQUIRED CONNECTIONS. TRAFFIC SIGNAL/STREETLIGHT SHOP (253) 591-5287.
17. EXISTING SIGNAL INTERCONNECT CONDUIT AND CABLE. CONTRACTOR TO VERIFY DEPTH AND LOCATION. IF DAMAGED, POSSIBLE CABLE REPLACEMENT MAY BE BETWEEN MLK JR WAY AND YAKIMA AVE.
18. RELOCATE EXISTING TRAFFIC SIGNAL HEAD TO NEW LOCATION AS SHOWN TO ALIGN WITH ROADWAY REVISIONS. SEE CITY OF TACOMA STANDARD PLAN TS-14. PROVIDE NEW CABLE AND CONNECTIONS TO SIGNAL CABINET.
19. RELOCATE EXISTING TRAFFIC SIGNAL HEAD TO NEW LOCATION AS SHOWN TO ALIGN WITH ROADWAY REVISIONS. SEE CITY OF TACOMA STANDARD PLAN TS-14. PROVIDE ASTROBRAC'S MOUNTED TO EXISTING TENON. PROVIDE NEW CABLE AND CONNECTIONS TO SIGNAL CABINET.
20. LOCATE AND INTERCEPT EXISTING CONDUITS AT SIGNAL POLE FOUNDATION AND UTILIZE FOR WIRE/CABLE RUNS NOTED.
21. EXISTING STREET LIGHT. DISCONNECT AND REMOVE DIRECT BURY WIRING FROM STREET LIGHT TO NEW JUNCTION BOX AND PROVIDE NEW CONDUIT AND WIRE AS SHOWN. COMPLETE CONNECTIONS AT STREET LIGHT FOR COMPLETE OPERATION.
22. EXISTING JUNCTION BOX TO REMAIN AND BE RE-USED FOR CONNECTION OF STREET LIGHT CONDUITS AND WIRING AS SHOWN.
23. SOLAR POWERED RRFB. EXISTING CONCRETE FOUNDATION TO BE RE-USED.

CONDUIT/WIRING SCHEDULE

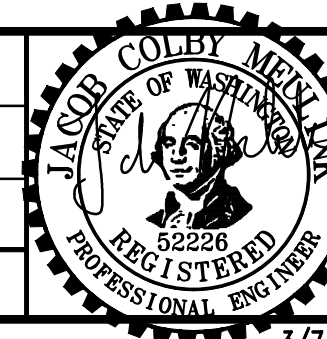
RUN NO.	CONDUIT	WIRE	COMMENTS
1	SEE COMMENTS	2#8	DIRECT BURIED HIGH VOLTAGE STREETLIGHT CABLE
2	2"	2#8 & 1#8 GROUND	
3	2"	2#8 & 1#8 GROUND	JUNCTION BOX TO RRFB
4	1"	2C & 1#8 GROUND	JUNCTION BOX TO SINGLE PPB
5	1"	4C & 1#8 GROUND	JUNCTION BOX TO SIGNAL POLE THEN TO SIGNAL CABINET VIA EXISTING SPAN WIRE
6	(3) 2"	(4) SETS OF 5C & 1#8 GROUND	JUNCTION BOX TO SIGNAL CABINET
7	1-1/4"	(4) SETS OF 5C	JUNCTION BOX TO SIGNAL POLE
8	2"	(4) SETS OF 5C	JUNCTION BOX TO SIGNAL POLE
9	1"	2-2C & 1#8 GROUND	JUNCTION BOX TO DOUBLE PPB
10	1"	2-2C & 1#8 GROUND	JUNCTION BOX TO SIGNAL POLE
11	2"		PULL CORD
12	SEE COMMENTS	2-5C	SIGNAL TRAFFIC HEAD TO SIGNAL CABINET VIA EXISTING SPAN WIRE/CONDUIT
13	SEE COMMENTS		EXISTING TRAFFIC SIGNAL INTERCONNECT CABLE
14	2"	2-2C	PPB JUNCTION BOX TO PPB JUNCTION BOX TO SIGNAL CABINET

FINAL DESIGN



NO	REVISION	DATE	APPD
3	CHANNELIZATION AND ELECTRICAL CHANGES	3/7/24	

FINAL CONSTRUCTION CHECKED	DATE	SCALE
	3/7/2024	AS SHOWN
DESIGNED	CHECKED	
DPH	JCM	
DRAWN	FILE NAME	
DPH	2160917.14	



DocuSigned by:
Michael Colby
ENGINEERING DIVISION MANAGER

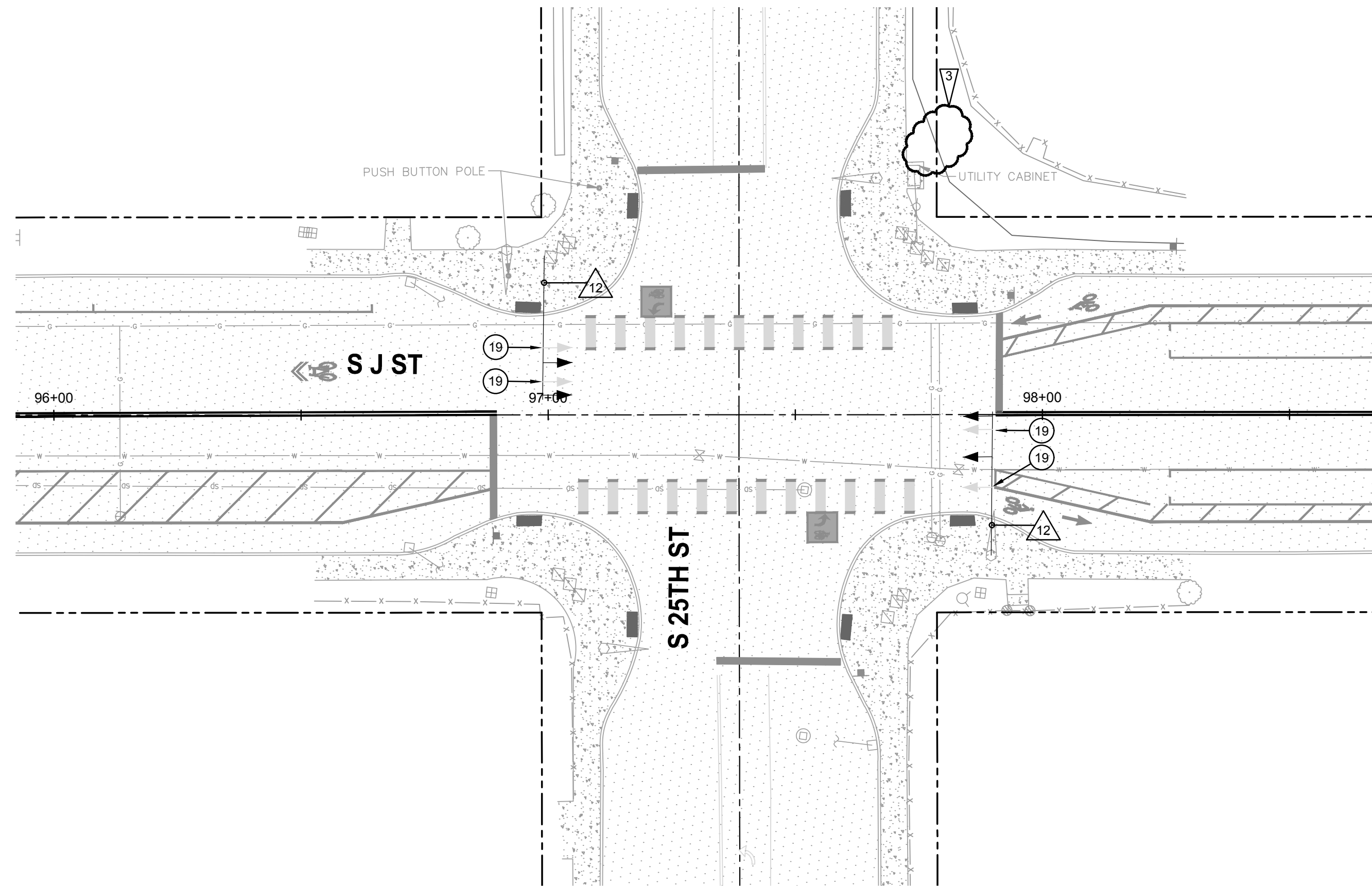
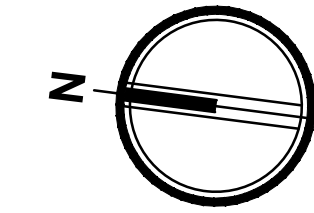
CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

J STREET BICYCLE BOULEVARD PROJECT
ELECTRICAL PLAN
S 21ST ST & S 23RD ST

PROJECT NO.
PKW-60057

AHBL JOB NO.
2160917.14
SHEET NO. EL-11
SHEET 106 OF 137

Addendum 3



GENERAL NOTES

- CLOSE COORDINATION BETWEEN ALL UTILITIES AND STREET LIGHTS, PEDESTRIAN LIGHTS, CONCRETE BASES, JUNCTION BOXES, CONDUIT ROUTING, ETC. IS REQUIRED. OTHER BELOW GRADE UTILITIES, I.E. STORM LINES AND DRAINS, ARE LOCATED IN VICINITY.
- EXISTING STREETLIGHT AND SIGNAL CONDUITS AND CABLES SHALL BE LOCATED AND DEPTH VERIFIED BY THE CONTRACTOR BEFORE SAWCUTTING, EXCAVATION, DEMOLITION OR GRADING OCCURS. LOWERING OF OR DAMAGE TO THE SYSTEM WILL REQUIRE NEW CONDUITS, CABLES AND POSSIBLY THE ADDITION OF JUNCTION BOXES. NOTE: SIGNAL CABLES CANNOT HAVE SPLICES AND MUST BE REPLACED IN ITS ENTIRETY.
- CONTRACTOR TO VERIFY THE SIZE AND NUMBER OF CONDUITS IN THE STREET LIGHT/SIGNAL POLE FOUNDATION.

LEGEND

- EXISTING SIGNAL POLE WITH LUMINAIRE
- EXISTING TRAFFIC SIGNAL HEAD
- RELOCATED TRAFFIC SIGNAL HEAD
- EXISTING WSDOT TYPE 1 JUNCTION BOX WITH ALTERNATIVE 2 LOCKING LID PER WSDOT STANDARD PLAN J-40.10-04
- WSDOT TYPE 2 JUNCTION BOX WITH ALTERNATIVE 2 LOCKING LID PER WSDOT STANDARD PLAN J-40.10-04
- EXISTING TRAFFIC SIGNAL CONTROLLER CABINET
- NEW SIGNAL WIRE IN CONDUIT OR AFFIXED TO SPAN WIRE
- NEW UNDERGROUND 2" CONDUIT AND WIRE (STREET LIGHT)
- EXISTING UNDERGROUND CONDUIT/WIRE OR DIRECT BURIAL CABLE
- WIRE NOTE, SEE WIRING SCHEDULE
- PLAN NOTE, SEE PLAN NOTES
- REVISION BY ADDENDUM

NOTE: REFER TO CITY OF TACOMA GENERAL SPECIAL PROVISIONS AND DETAILS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

PLAN NOTES

(NOT ALL PLAN NOTES USED ON EVERY SHEET)

- PROVIDE WSDOT TYPE 2 JUNCTION BOX WITH LOCKING LID TO INTERCEPT EXISTING STREET LIGHT DIRECT BURIED CABLE. COORDINATE WITH CIVIL AND LANDSCAPING FOR EXACT PLACEMENT OF JUNCTION BOX. WORK WITH CITY CREWS TO DE-ENERGIZE/INTERCEPT DIRECT BURIED STREETLIGHT CABLES. TRAFFIC SIGNAL/STREETLIGHT SHOP (253) 591-5287. LABEL JUNCTION BOX LID WITH SYSTEM IDENTIFICATION LETTERS "LT". SEE CITY OF TACOMA STANDARD PLAN TS-08.
- PROVIDE WSDOT TYPE 1 JUNCTION BOX WITH LOCKING LID. COORDINATE WITH CIVIL AND LANDSCAPING FOR EXACT PLACEMENT OF JUNCTION BOX. LABEL JUNCTION BOX LID WITH SYSTEM IDENTIFICATION LETTERS "LT". SEE CITY OF TACOMA STANDARD PLAN TS-08.
- RECTANGULAR RAPID FLASHING BEACON (RRFB) WITH PEDESTRIAN PUSH BUTTON AND NEW CONCRETE FOUNDATION. PROVIDE AND COMPLETE INTERNAL WIRING PER MANUFACTURERS RECOMMENDATIONS. SEE DETAIL ON CIVIL DETAIL SHEET DT-11 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- REMOVE EXISTING STREET LIGHTING JUNCTION BOX TO FACILITATE NEW CONSTRUCTION. SEE PLAN NOTE 1 FOR LOCATION OF NEW JUNCTION BOX.
- LOCATE EXISTING STREET LIGHT DIRECT BURIED WIRING AND RE-ROUTE TO NEW JUNCTION BOX.
- PROVIDE WSDOT TYPE 1 JUNCTION BOX WITH LOCKING LID. COORDINATE WITH CIVIL AND LANDSCAPING FOR EXACT PLACEMENT OF JUNCTION BOX. LABEL JUNCTION BOX LID WITH SYSTEM IDENTIFICATION LETTERS "TS". SEE CITY OF TACOMA STANDARD PLAN TS-08.
- POLE MOUNT SINGLE PEDESTRIAN PUSH BUTTON (PPB). PROVIDE AND COMPLETE INTERNAL WIRING PER MANUFACTURERS RECOMMENDATIONS. SEE DETAIL ON CIVIL DETAIL SHEET DT-12, DETAIL 4, FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
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- EXISTING STREET LIGHT/SIGNAL CABINET. PROVIDE EQUIPMENT WITHIN CABINET FOR ADDED ACCESSIBLE PEDESTRIAN SIGNALS TO OPERATE. WORK WITH CITY CREWS FOR REQUIRED CONNECTIONS. TRAFFIC SIGNAL/STREETLIGHT SHOP (253) 591-5287.
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CONDUIT/WIRING SCHEDULE

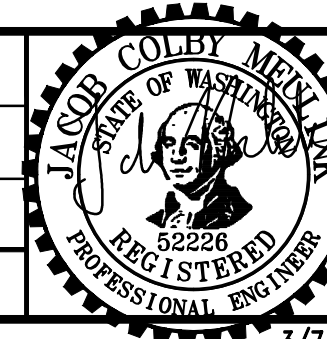
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13	SEE COMMENTS		EXISTING TRAFFIC SIGNAL INTERCONNECT CABLE
14	2"	2-2C	PPB JUNCTION BOX TO PPB JUNCTION BOX TO SIGNAL CABINET

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	DRAWN	FILE NAME
	DPH	2160917.14



DocuSigned by:
Jacob Colby
ENGINEERING DIVISION MANAGER

CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

J STREET BICYCLE BOULEVARD PROJECT
ELECTRICAL PLAN
S 25TH ST

PROJECT NO.
PKW-G0057

AMBL JOB NO.
2160917.14
SHEET NO. EL-12
SHEET 107 of 137