



March 13, 2018

TO:  Craig McDaniel, PE /  Derek Casq, PE MS 47354 / 360-705-7823/-7826

THRU: Brian D. Nielsen, PE  NB82-230 / 206-805-5426

FROM: Andrew P. Walter, PE  NB82-230 / 206-805-5452

I concur - REC 3/14/18

SUBJECT: 007999 – SR99 Bored Tunnel Alternative Design-Build Project
Federal-Aid No. BR-NH-STP-STPF-0099(111)
CO 172 – PCO 575, A.Way Restor-Const

Attached for HQ Execution is Change Order 172, “PCO 575, A.Way Restor-Const”.

DESCRIPTION:

This change order compensates the Design-Builder (D-B) for revised and added work performed during the Alaskan Way Street restoration between S. King St. and Yesler Way.

Major items of added or revised scope include: revised traffic signals at the intersection of S. King St. and the intersection of S. Jackson St., deletion of traffic signals at Main and Washington Streets, deletion of striping, revised roadway paving, revised signing, revised sidewalks, additional illumination, and additional drainage. This Change Order also includes final compensation for the final design and stamped plans, as a follow-up to CO 152 “PCO#510, A. Way Redesign-Interim” and CO 159 “PCO 510A, A. Way Redesign-100%” and as modified to coordinate with the Washington State Ferries (WSF) Seattle Multimodal Terminal at Colman Dock Project (Colman Dock).

EVOLUTION OF CHANGE:

Per contract, the D-B is required to restore Alaskan Way and move traffic back to Alaskan Way in its pre-construction configuration in all areas disturbed by the SR99 Tunnel Project construction. At the time of the SR99 Tunnel Project Request for Proposal (RFP) development in 2010, not enough was known about adjacent project schedules and needs to be able to add requirements to the RFP other than to restore Alaskan Way to its pre-construction configuration. In order to perform Contract Work, the D-B implemented a detour which diverted traffic from the existing Alaskan Way alignment to under the Alaskan Way Viaduct (Viaduct) between South King St. to Spring St. As noted above, once complete with the Contract work, if not for the subject change order, the D-B would be required to simply restore Alaskan Way and move traffic back to the pre-construction configuration. This would not be compatible with the current and future configuration of Alaskan Way as modified by adjoining projects that were developed after the SR 99 Tunnel Project.

Consistent with the pre-construction configuration, the original Released for Construction (RFC) plans for Alaskan Way restoration provided two northbound lanes. Two northbound lanes do not provide the capacity to meet the minimum general traffic, ferry queuing, transit service and freight traffic needs on Alaskan Way once the SR99 Tunnel is open to traffic and during the SR

99 Demolition, Decommissioning, and Surface Street Project (Viaduct Demolition) and City of Seattle (City) Waterfront Seattle construction. With the upcoming Viaduct Demolition, Colman Dock and Waterfront Seattle Projects, it is desirable that the Alaskan Way restoration include one ferry holding lane for Washington State Ferries (WSF) between South Jackson St. and Yesler Way, and pedestrian and bicycle pathways that can be used during Viaduct demolition. It is also desirable to restore transit routes to Alaskan Way as soon as the Viaduct is removed. One of the northbound lanes will be used for ferry holding and ferry traffic movement.

It was also apparent that since traffic will be switched back to the original alignment of Alaskan Way, and with the Viaduct Demolition Project scheduled to begin once the tunnel is open to traffic, there would be no need to restore parking below the Viaduct. This work will be deleted from the SR99 Tunnel Contract.

Coordination with the WSF Colman Dock Project also brought up WSF's need to provide ferry holding on Alaskan Way S. or at a remote location by the summer of 2018, as the Colman Dock Project progressed. Due to the impact to traffic on Alaskan Way S. which will result from the Viaduct Demolition and Waterfront Seattle Projects, it is not possible to have ferry holding on Alaskan Way S. Instead, it will be used as a counter-flow lane to move ferry traffic from a remote ferry traffic holding area to Colman Dock. Additionally there are no good remote areas available except Pier 48, which is next to Colman Dock. Thus the project teams coordinated such that WSF could use Pier 48 for remote holding, provided the D-B completed its work and turned over Alaskan Way S. and Pier 48 prior to completing the D-B's Contract Work. Thus it was determined that this Alaskan Way S. restoration change order would also include the requirement to coordinate with WSF and turn over Alaskan Way S. and Pier 48, such that WSF could implement remote holding on Pier 48 prior to the summer of 2018.

In October 2016, WSDOT executed Change Order 152 to compensate the D-B to develop 60% redesign plans.

In June 2017, WSDOT executed Change Order 159 to compensate the D-B to develop 100% redesign plans.

On October 7, 2017, the D-B provided RFC redesign plans (NDC #95) with the understanding that final reconciliation of design costs would be paid under this Change Order.

On January 5, 2018, RFI 04147 revised the plans to meet WSF's needs for remote holding at Pier 48.

In March 2018, the D-B provided Change Proposal PCO 575 to reconcile redesign costs, added/deleted construction costs and the requirement to coordinate with WSF and turn over Alaskan Way S. and Pier 48.

ENTITLEMENT:

The above described changes are a result of a WSDOT-Directed Change. The D-B is entitled to an increase in compensation in accordance with 11.4(a) of the Contract.

PRICING THE CHANGE:

For the purpose of obtaining Change Order pricing, stamped plans and assumptions about scope were submitted to the D-B on October 31, 2017 and later revised by RFI 04147. STP has procured a large majority of subcontract work using a competitive bid process. Following the conclusion of this process, STP and WSDOT finalized the negotiated price for this work. The negotiated price is in alignment with an independent estimate for the work.

PRICE:

As was the case with Change Order 159, in the interest of moving forward with the change, it was mutually agreed WSDOT will compensate the D-B for actual costs incurred as the redesign work progressed. This change order is issued to reconcile to final actual costs incurred toward redesign work, and costs to be incurred for restoration construction work.

WSDOT has agreed to compensate the D-B for all construction costs associated with PCO 575 pursuant to one new lump sum item; "CO 172, A.Way Restor-Const", in the agreed to amount of \$2,198,748.47.

WSDOT has agreed to compensate the D-B for all design construction support costs throughout the duration of construction as described in this Change Order, pursuant to one new lump sum item; "CO 172, A.Way Restor-CN Support", in the agreed to amount of \$7,069.44.

WSDOT has agreed to compensate the D-B for reconciliation of final redesign costs pursuant to one new lump sum item; "CO 172, A.Way Redesign-Final", in the agreed to amount of \$410,824.77.

CONTRACT TIME:

Contract time is not affected by this change.

APPROVALS:

- Andrew P. Walter, P.E., Contract Administrator, gave approval to proceed December 15, 2017
- Brian Nielsen, P.E., SR99 Tunnel Director, approved the change December 15, 2017
- Craig McDaniel, P.E., HQ Construction, approved the change March 12, 2018
- Anthony Sarhan, FHWA, approved the change December 28, 2017
- Mario Mathisen, Program Management, gave funding concurrence March 12, 2018

ATTACHMENTS TO THE MEMO:

- Change Order
- Change Order Checklist
- Engineer's cost estimate
- Approvals and Concurrences listed above

If you have any questions, please contact Andrew P. Walter at 206.805.5452.

cc: Project File

**WASHINGTON STATE
DEPARTMENT OF TRANSPORTATION
CHANGE ORDER**


DATE: 03/12/18
Page 1 of 34

CONTRACT NO: 007999 FEDERAL AID NO: STP-ER-IM-0099 (11)
 CONTRACT TITLE: SR 99, BORED TUNNEL ALTERNATIVE - DESIGN BUILD PRO
 CHANGE ORDER NO: 172 PCO 575, A.WAY RESTOR-CONST

PRIME CONTRACTOR: SW0080679 SEATTLE TUNNEL PARTNERS
 999 THIRD AVE STE 2200
 SEATTLE WA 98104-4044

Ordered by Engineer under the terms of Section 1-04.4 of the Standard Specifications





Change proposed by Contractor

ENDORSED BY:  CONTRACTOR 3/13/18 DATE	SURETY CONSENT: ATTORNEY IN FACT DATE
--	---

ORIGINAL CONTRACT AMOUNT: 1,089,700,002.00
 CURRENT CONTRACT AMOUNT: 1,197,970,340.04
 ESTIMATED NET CHANGE THIS ORDER: 2,270,075.25
 ESTIMATED CONTRACT TOTAL AFTER CHANGE: 1,200,240,415.29

Approval Required: Region Olympia Service Center Local Agency



<input checked="" type="checkbox"/> APPROVAL RECOMMENDED  PROJECT ENGINEER 3/13/2018 DATE	<input type="checkbox"/> EXECUTED EXECUTED:  STATE CONSTRUCTION ENGINEER 3/14/18 DATE
<input checked="" type="checkbox"/> APPROVAL RECOMMENDED REGIONAL ADMIN:  BY: 3/13/2018 DATE	<input type="checkbox"/> EXECUTED OTHER APPROVAL WHEN REQUIRED  SIGNATURE 3/14/2018 DATE FHWA REPRESENTING

**WASHINGTON STATE
DEPARTMENT OF TRANSPORTATION
CHANGE ORDER**

DATE: 03/12/18
Page 2 of 34

CONTRACT NO: 007999

CHANGE ORDER NO: 172

All work, materials, and measurements to be in accordance with the provisions of the Standard Specifications and Special Provisions for the type of construction involved.

This contract is revised as follows:

The first paragraph above is deleted and replaced with:

All work, materials and measurements to be in accordance with the Contract Documents for this Project. Unless specifically modified herein, all provisions in the Contract Documents shall remain in full force and effect.

DESCRIPTION:

This Change Order compensates the Design-Builder (D-B) for any and all additional costs and/or time associated with the construction of revisions to the restoration of Alaskan Way S. between S. King St. and Yesler Way and as described below. Additionally, this Change Order is a follow-up to Change Order 159 "PCO 510A, A.Way Redesign-100%" and compensates the D-B for any and all redesign costs.

This Change Order shall clear any and all costs and/or time associated with PCO 510, 510A, 575 and 591.

This Change Order changes the Contract as follows:

- 1) Bid Items 156, "CO 159, A.Way Redesign-60% Paid LS" and 157, "CO 159, A.Way Redesign-100%" are deleted from the Contract.
- 2) Three (3) new Lump Sum Bid Items, as described herein, are added to the Contract.

DESIGN-BUILD CONTRACT:

The D-B shall restore Alaskan Way S. as designed in NDC095 and as modified by Washington State Ferries (WSF) plan sheets as shown on pages 5 through 32 (for information only). Alaskan Way S. north of S. Main Street and Pier 48 shall be turned over to WSF by May 15, 2018 or coordinated with WSF such that their work shown on pages 33 through 34 (for information only) on the west side of Alaskan Way S. can be started by May 15, 2018. Additionally the D-B shall coordinate and allow WSF to start its work to reconstruct the driveway at Jackson Street as shown on page 33 (for information only) by May 15, 2018. The D-B shall turn over or coordinate with WSF for WSF use, Alaskan Way S. from the south side of Jackson Street north to Yesler Way by May 31, 2018.

MEASUREMENT:

No specific unit of measure shall apply to the new Lump Sum Bid Item "CO 172, A.Way Redesign-Final".

No specific unit of measure shall apply to the new Lump Sum Bid Item "CO 172, A.Way Restor-CN Support".

No specific unit of measure shall apply to the new Lump Sum Bid Item "CO 172, A.Way Restor-Const".

**WASHINGTON STATE
DEPARTMENT OF TRANSPORTATION
CHANGE ORDER**

DATE: 03/12/18
Page 3 of 34

CONTRACT NO: 007999

CHANGE ORDER NO: 172

PAYMENT:

The following Bid Items are deleted:

Bid Item 156, "CO 159, A.Way Redesign-60% Paid LS", in the amount of \$196,567.43, and Bid Item 157, "CO 159, A.Way Redesign-100%", in the amount of \$150,000 are deleted and replaced with Bid Item "CO 172, A.Way Redesign-Final" noted below. Prior to deleting the items, each bid item will be reduced to zero paid.

The following Bid Items are added:

The new Lump Sum Bid Item "CO 172, A.Way Redesign-Final" in the amount of \$410,824.77 is full and final pay for any and all design costs associated with PCO 510, 510A and 591 (all costs required to finalize design, partially paid previously under Bid Items 156 and 157). Additional costs in this Bid Item compensate the D-B for remaining costs for design work associated with the WSDOT Directed change.

The new Lump Sum Bid Item "CO 172, A.Way Restor-CN Support" in the amount of \$7,069.44 is full and final pay for any and all costs associated with D-B design construction support throughout the duration of construction as described in this Change Order.

The new Lump Sum Bid Item "CO 172, A.Way Restor-Const" in the amount of \$2,198,748.47 is full and final pay for any and all construction costs associated with PCO 575.

CONTRACT TIME:

The Design Builder and WSDOT agree that this Change Order has no impact to Contract Time, and as such, no extension of Contract Time will be granted as a result of this Change Order.

MISCELLANEOUS:

The Design-Builder certifies the amount of time and/or compensation granted by this Change Order includes all known and anticipated impacts or amounts, direct, indirect and consequential, which may be incurred as a result of the event or matter giving rise to this change and that Design-Builder has no reason to believe and does not believe that the factual basis for this Change Order is falsely represented.

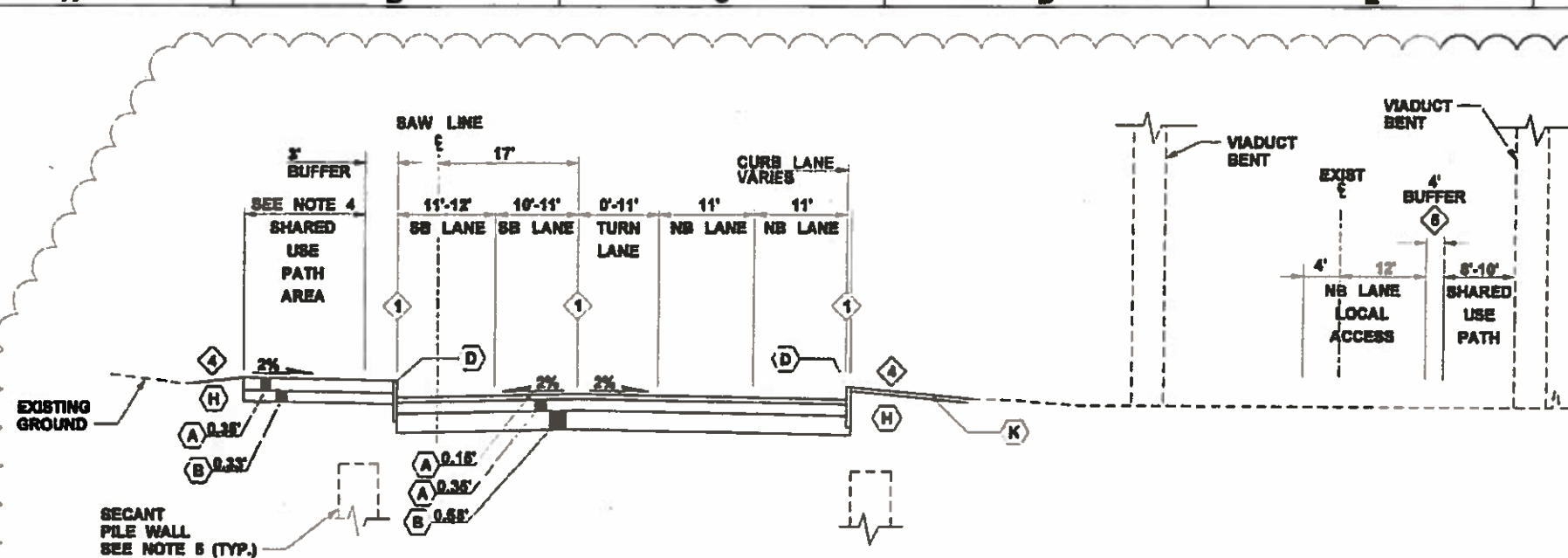
**WASHINGTON STATE
DEPARTMENT OF TRANSPORTATION
CHANGE ORDER**

DATE: 03/12/18
Page 4 of 34

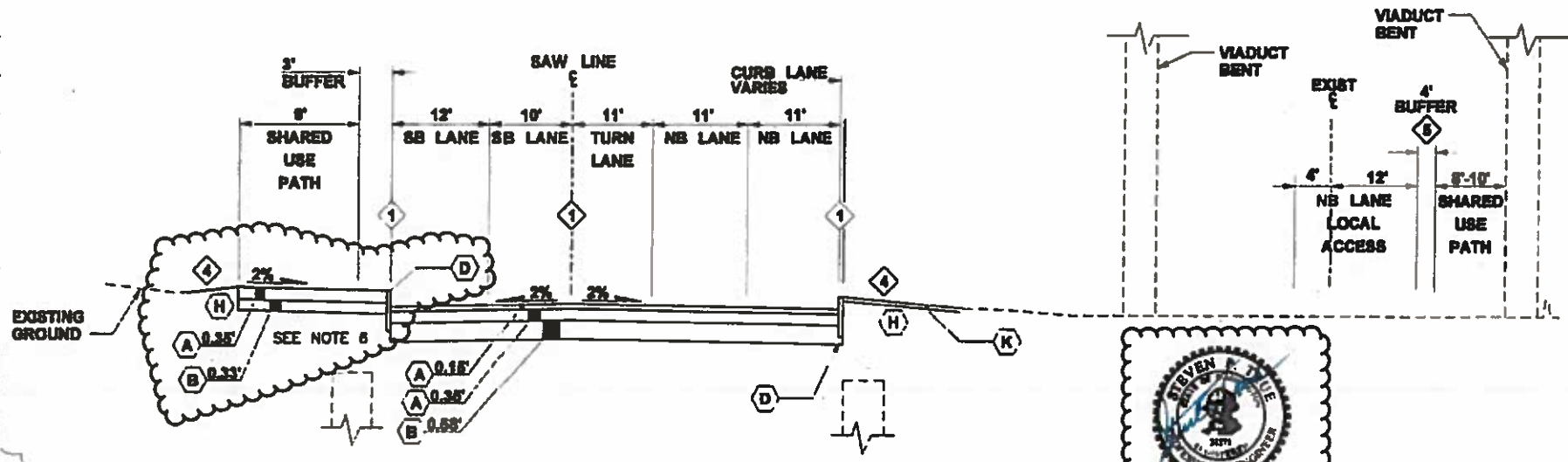
CONTRACT NO: 007999	CHANGE ORDER NO: 172
----------------------------	-----------------------------

ITEM NO	GROUP NO	STD ITEM	ITEM DESCRIPTION	UNIT MEASURE	UNIT PRICE	EST QTY CHANGE	EST AMT CHANGE
0156	12		CO 159, A.WAY REDESIGN-60% PAID LS	L.S.	196,567.43	0.00	-196,567.43
0157	12		CO 159, A.WAY REDESIGN-100%	L.S.	150,000.00	0.00	-150,000.00
1157	02		CO 172, A.WAY RESTOR-CONST	L.S.	0.00	0.00	2,198,748.47
1162	02		CO 172, A.WAY RESTOR-CN SUPPORT	L.S.	0.00	0.00	7,069.44
1163	02		CO 172, A.WAY REDESIGN-FINAL	L.S.	0.00	0.00	410,824.77

2,270,075.25



ROADWAY SECTION C
 SAW STA. 704+75 TO SAW STA. 706+48.40
 (SEE ROADWAY SECTION J FOR CROSSING STREET SECTIONS)
 NOT TO SCALE



ROADWAY SECTION D
 SAW STA. 706+48.40 TO SAW STA. 708+00
 NOT TO SCALE

NO PUBLIC ACCESS
 UNTIL AFTER
 COMPLETION OF THE
 PIER 48 IMPROVEMENT
 PROJECT BY OTHERS.

LEGEND:

- (A) HMA CLASS 1/4" PG 58-22
- (B) MINERAL AGGREGATE TYPE 2
- (C) PLANE BITUMINOUS PAVEMENT
- (D) TYPE 412 CURB (CONCRETE)
- (E) TYPE 430A DRIVEWAY
- (F) TYPE 430A DRIVEWAY
- (G) MINERAL AGGREGATE TYPE 17
- (H) TYPE 410C CURB
- (J) EROSION CONTROL BLANKET
- (K)
- (L)

CONSTRUCTION NOTES:

- 1 PROFILE GRADE POINT
- 2 SAWCUT
- 3 MATCH EXISTING GRADE
- 4 BACKFILL CURB/SIDEWALK AT 3:1 MAX.
- 5 REPLACE EXISTING BUFFER PAVEMENT MARKINGS AND FLEXIBLE POSTS
- 6 SIDEWALK AND CURB AND GUTTER ELIMINATED FROM STA 707+88.77 TO 708+00.00. EXCAVATE AND PLACE MINERAL AGGREGATE TO GRADE IN THIS LOCATION.

GENERAL NOTES:

- 1. SEE GN081 FOR ABBREVIATIONS, SYMBOLS, AND LINETYPES.
- 2. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED.
- 3. ALL DEPTHS SHOWN ARE FINAL COMPACTED DEPTHS. COURSES SHALL NOT EXCEED DEPTHS DEFINED IN STANDARD SPECIFICATIONS.
- 4. SEE PAVING PLANS AND STRIPING PLANS FOR ADDITIONAL LIMITS, DETAILS AND VARIABLE DIMENSIONS.
- 5. EXISTING SECANT PILE WALLS HAVE BEEN CAPPED AND/OR REMOVED PREVIOUSLY TO ELEVATION 11.0'.
- 6. THE EXISTING GROUND ELEVATION AND GRADE WITHIN THE LIMITS OF THE ROADWAY SECTION ARE NOT SHOWN, DUE TO THE ACTIVELY CHANGING CONSTRUCTION ZONE, THIS INFORMATION WILL BE UNKNOWN UNTIL SUCH TIME AS THE STREET RESTORATION WORK BEGINS.

H-D-PAC-QSER-TRE.11-00088-14-RFC-1710-12

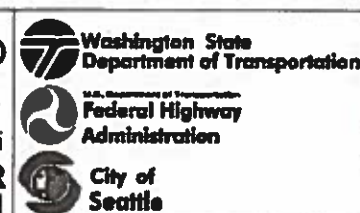
FILE NAME	XL7989-ALL-14R8552.dwg
TIME	1:55:02 PM
DATE	10/10/2017
PLOTTED BY	mmerford
DESIGNED BY	E. EVANS
ENTERED BY	D. BRINKMANN
CHECKED BY	R. KITTLER
PROJ. ENGR.	R. JOHNSON
REGIONAL ADM.	L. LAIRD

REVISION	DATE	BY
RF1-04147	01/05/2018	ST
NDC 085 - STREET RESTORATION MODIFICATIONS	08/08/2017	RIK

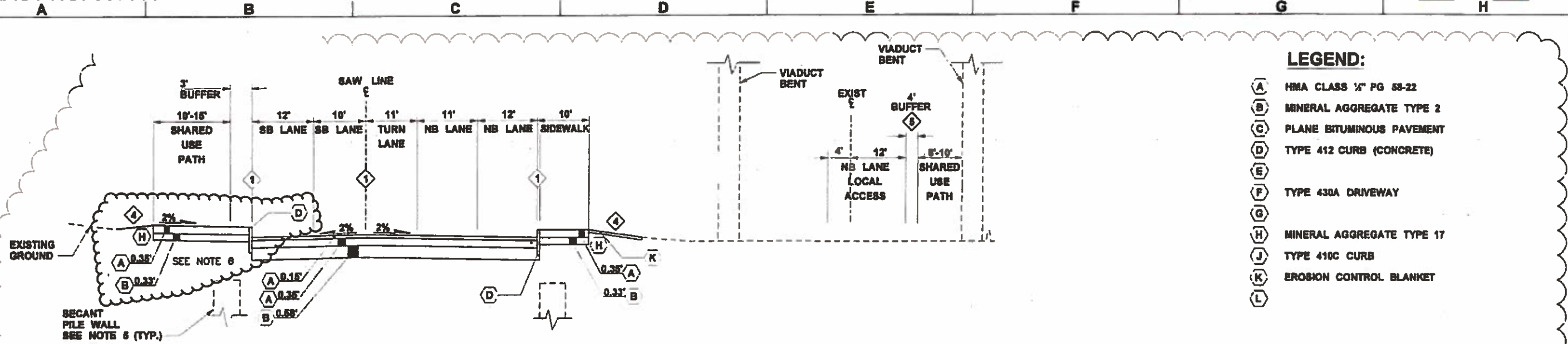
DESIGN NO.	STATE	FED.AID PROJ.NO.
10	WASH	BR-0099(111)
JOB NUMBER		
CONTRACT NO.		LOCATION NO.



RELEASED FOR CONSTRUCTION
 Date: 10/12/17
 Initials of DQAM: [Signature]

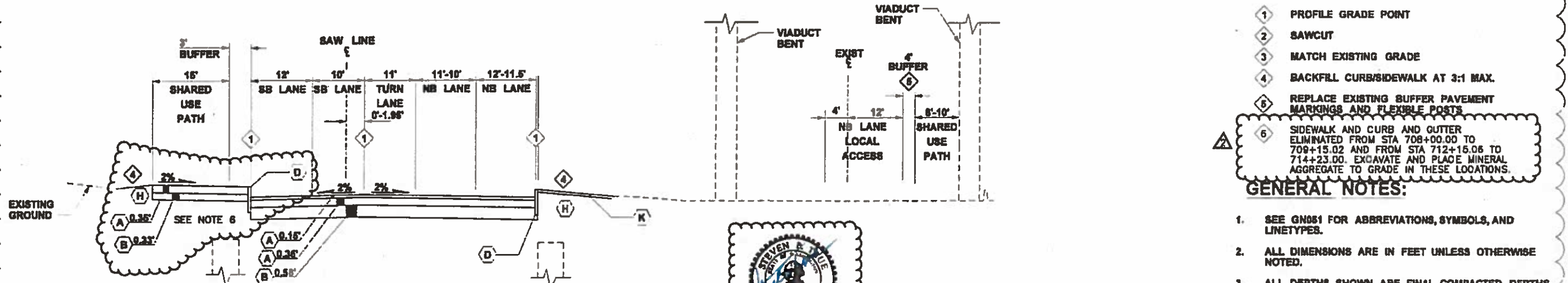


SR 99 TUNNEL PROJECT CONTRACT PACKAGE 14	R8552
STREET RESTORATION ROADWAY SECTIONS	



ROADWAY SECTION E

SAW STA. 708+00 TO SAW STA. 711+40
NOT TO SCALE



ROADWAY SECTION F

SAW STA. 711+40 TO SAW STA. 714+22.50
NOT TO SCALE

STEVEN R. DUE
REGISTERED PROFESSIONAL ENGINEER
15/2018

NO PUBLIC ACCESS UNTIL AFTER COMPLETION OF THE PIER 48 IMPROVEMENT PROJECT BY OTHERS.

LEGEND:

- (A) HMA CLASS 1/2" PG 58-22
- (B) MINERAL AGGREGATE TYPE 2
- (C) PLANE BITUMINOUS PAVEMENT
- (D) TYPE 412 CURB (CONCRETE)
- (E) TYPE 430A DRIVEWAY
- (F) TYPE 430A DRIVEWAY
- (H) MINERAL AGGREGATE TYPE 17
- (J) TYPE 410C CURB
- (K) EROSION CONTROL BLANKET

CONSTRUCTION NOTES:

- 1 PROFILE GRADE POINT
- 2 SAWCUT
- 3 MATCH EXISTING GRADE
- 4 BACKFILL CURB/SIDEWALK AT 3:1 MAX.
- 5 REPLACE EXISTING BUFFER PAVEMENT MARKINGS AND FLEXIBLE POSTS
- 6 SIDEWALK AND CURB AND GUTTER ELIMINATED FROM STA 708+00.00 TO 709+15.02 AND FROM STA 712+15.06 TO 714+23.00. EXCAVATE AND PLACE MINERAL AGGREGATE TO GRADE IN THESE LOCATIONS.

GENERAL NOTES:

- 1. SEE GN051 FOR ABBREVIATIONS, SYMBOLS, AND LINETYPES.
- 2. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED.
- 3. ALL DEPTHS SHOWN ARE FINAL COMPACTED DEPTHS. COURSES SHALL NOT EXCEED DEPTHS DEFINED IN STANDARD SPECIFICATIONS.
- 4. SEE PAVING PLANS FOR ADDITIONAL LIMITS AND DETAILS.
- 5. EXISTING SECANT PILE WALLS HAVE BEEN CAPPED AND/OR REMOVED PREVIOUSLY TO ELEVATION 11.0'.
- 6. THE EXISTING GROUND ELEVATION AND GRADE WITHIN THE LIMITS OF THE ROADWAY SECTION ARE NOT SHOWN. DUE TO THE ACTIVELY CHANGING CONSTRUCTION ZONE, THIS INFORMATION WILL BE UNKNOWN UNTIL SUCH TIME AS THE STREET RESTORATION WORK BEGINS.

H:\D-PAN-GEN-TRE-11-00388-14-RFC-1718-13

FILE NAME	XL7999-ALL-14R5663.dwg	REGION NO.	STATE	FED.AID PROJ.NO.	 Washington State Department of Transportation U.S. Department of Transportation Federal Highway Administration City of Seattle	SR 99 TUNNEL PROJECT CONTRACT PACKAGE 14 STREET RESTORATION ROADWAY SECTIONS	RS553
TIME	1:58:07 PM	10	WASH	BR-0099(111)			
DATE	10/10/2017	JOB NUMBER					
PLOTTED BY	mmorford	CONTRACT NO.					
DESIGNED BY	E. EVANS	LOCATION NO.					
ENTERED BY	D. BRINKMANN						
CHECKED BY	R. KUTTLER						
PROJ. ENGR.	R. JOHNSON						
REGIONAL ADM.	L. LAIRD						
	RFI 04147	DATE	01/05/2018	BY	NIK		
	NDC 005 - STREET RESTORATION MODIFICATIONS	DATE	08/08/2017	BY	NIK		

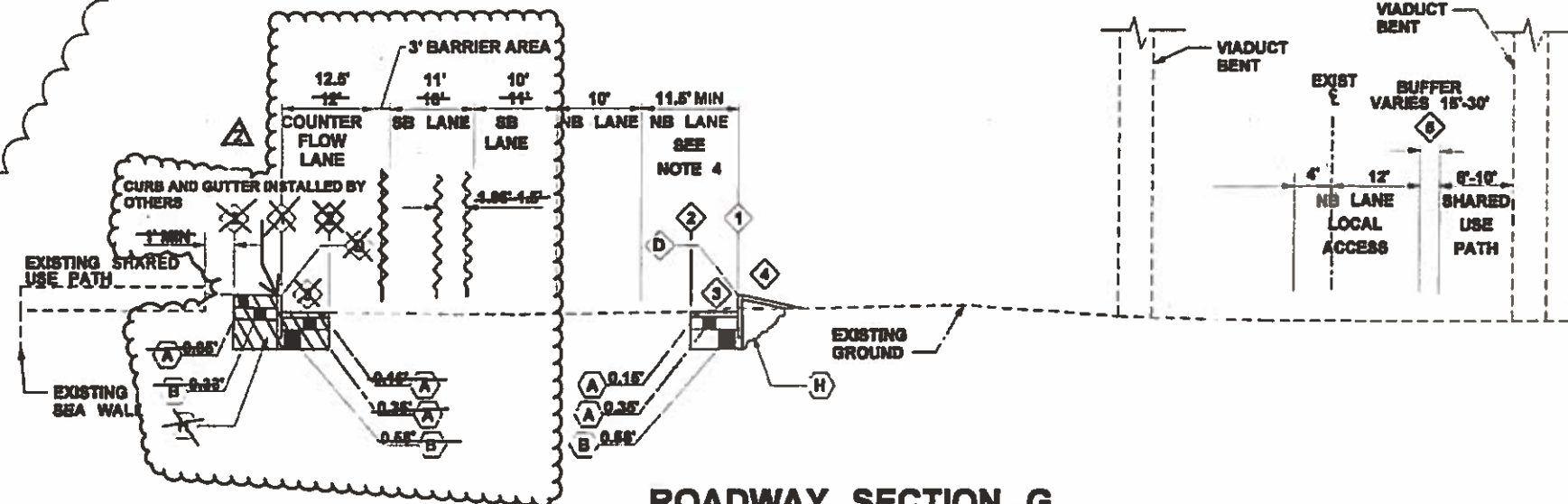
SEATTLE TUNNEL PARTNERS

Washington State Department of Transportation
U.S. Department of Transportation
Federal Highway Administration
City of Seattle

10/21/17
Date Initials of DOAM

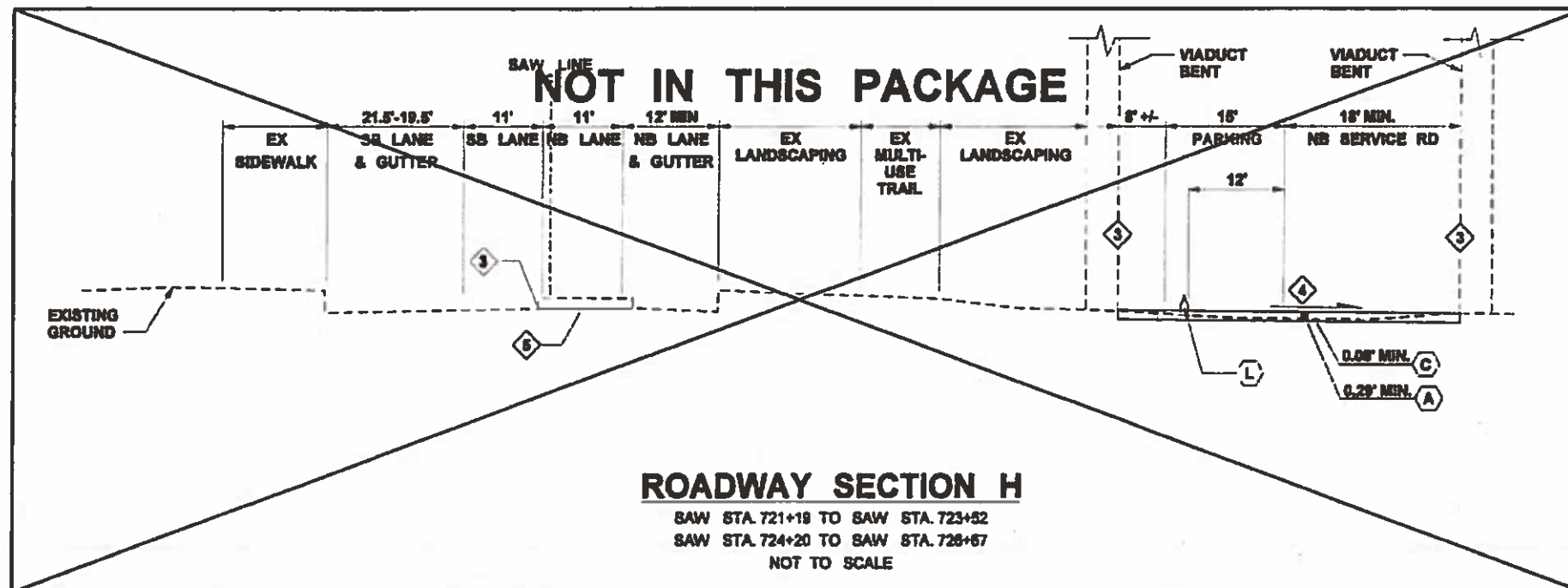
RELEASED FOR CONSTRUCTION

A B C D E F G H



ROADWAY SECTION G

SAW STA. 714+22.50 TO SAW STA. 717+88.50
NOT TO SCALE



ROADWAY SECTION H

SAW STA. 721+19 TO SAW STA. 723+52
SAW STA. 724+20 TO SAW STA. 726+57
NOT TO SCALE

LEGEND:

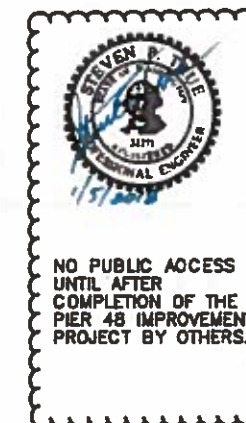
- (A) HMA CLASS 1" PG 58-22
- (B) MINERAL AGGREGATE TYPE 2
- (C) PLANE BITUMINOUS PAVEMENT
- (D) TYPE 412 CURB (CONCRETE)
- (E) TYPE 430A DRIVEWAY
- (F) MINERAL AGGREGATE TYPE 17
- (G) TYPE 410C CURB
- (H) EROSION CONTROL BLANKET

CONSTRUCTION NOTES:

- 1 PROFILE GRADE POINT
- 2 SAWCUT
- 3 MATCH EXISTING GRADE
- 4 BACKFILL CURB/SIDEWALK AT 3:1 MAX.
- 5 REPLACE EXISTING BUFFER PAVEMENT MARKINGS AND FLEXIBLE POSTS

GENERAL NOTES:

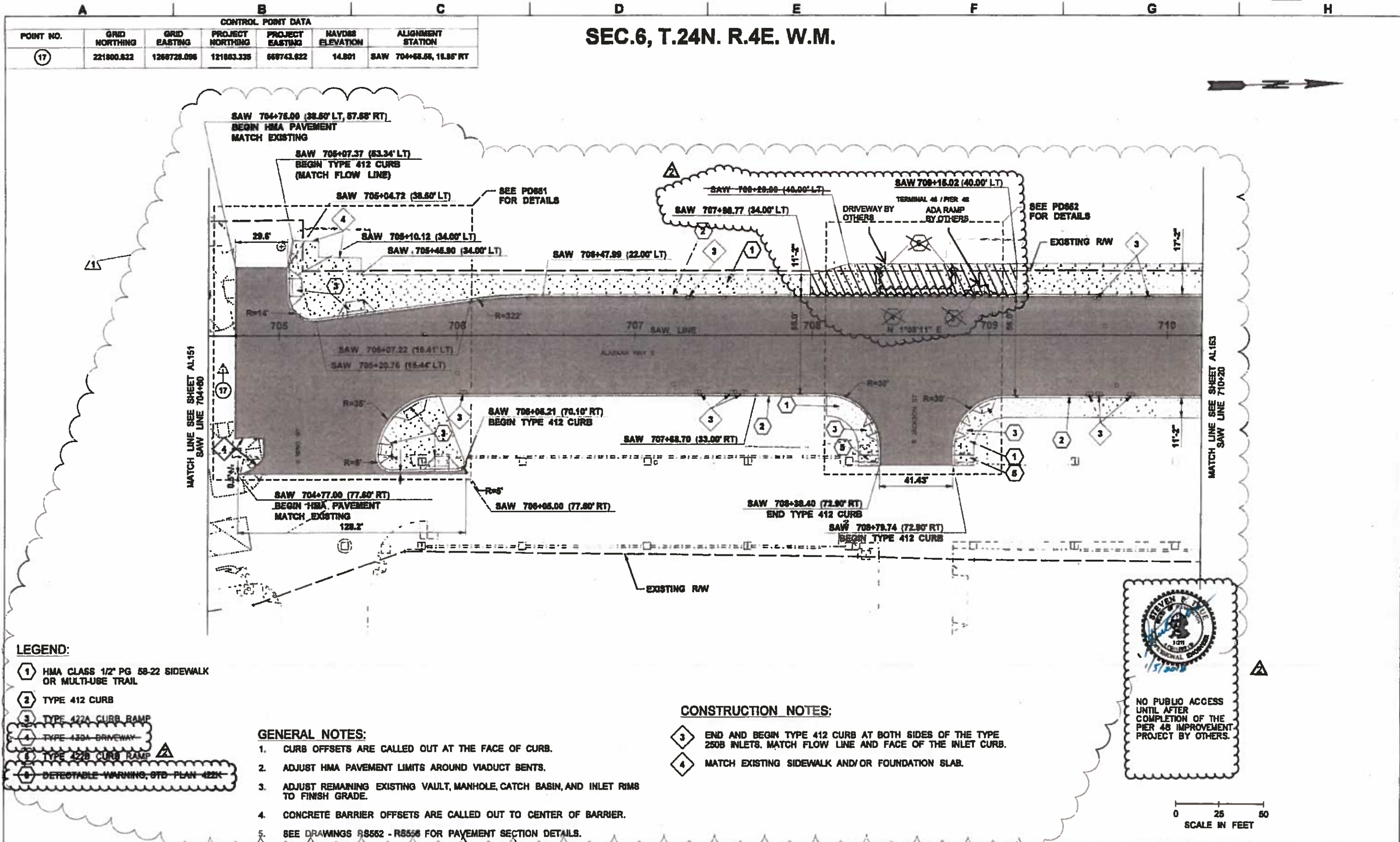
1. SEE GN051 FOR ABBREVIATIONS, SYMBOLS, AND LINETYPES.
2. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED.
3. ALL DEPTHS SHOWN ARE FINAL COMPACTED DEPTHS. COURSES SHALL NOT EXCEED DEPTHS DEFINED IN STANDARD SPECIFICATIONS.
4. SEE PAVING PLANS FOR ADDITIONAL LIMITS AND DETAILS.
5. EXISTING SECANT PILE WALLS HAVE BEEN CAPPED AND/OR REMOVED PREVIOUSLY TO ELEVATION 11.0'.
6. THE EXISTING GROUND ELEVATION AND GRADE WITHIN THE LIMITS OF THE ROADWAY SECTION ARE NOT SHOWN, DUE TO THE ACTIVELY CHANGING CONSTRUCTION ZONE. THIS INFORMATION WILL BE UNKNOWN UNTIL SUCH TIME AS THE STREET RESTORATION WORK BEGINS.



NO PUBLIC ACCESS UNTIL AFTER COMPLETION OF THE PIER 48 IMPROVEMENT PROJECT BY OTHERS.

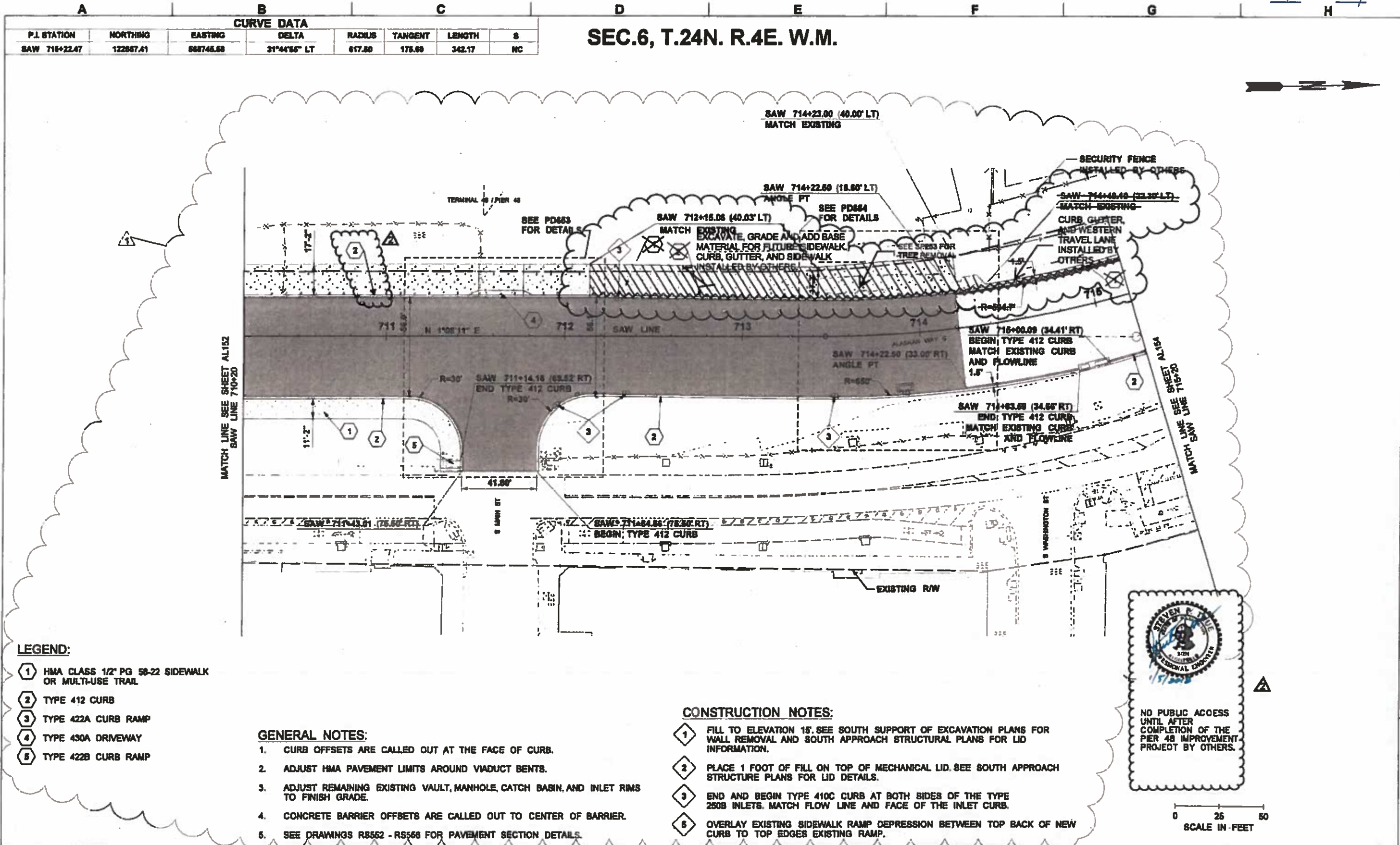
H:\D-PAC-0251-T12.11-02038-14-RFC-1716-12

FILE NAME: XL7899-ALL-14R8664.dwg	TIME: 1:58:11 PM	DATE: 10/10/2017	DESIGNED BY: E. EVANS	ENTERED BY: D. BRINKMANN	CHECKED BY: R. KITTLER	PROJ. ENGR.: R. JOHNSON	REGIONAL ADM.: L. LAIRD	RFI 04147	01/05/2018	ST	NDC 005 - STREET RESTORATION MODIFICATIONS	08/05/2017	RK	REVISION	DATE	BY	REGION NO.: 10	STATE: WASH	FED.AID PROJ.NO.: BR-0099(111)	CONTRACT NO.:	LOCATION NO.:	SEATTLE TUNNEL PARTNERS	Washington State Department of Transportation	Federal Highway Administration	City of Seattle	SR 99 TUNNEL PROJECT CONTRACT PACKAGE 14	RS654
-----------------------------------	------------------	------------------	-----------------------	--------------------------	------------------------	-------------------------	-------------------------	-----------	------------	----	--	------------	----	----------	------	----	----------------	-------------	--------------------------------	---------------	---------------	-------------------------	---	--------------------------------	-----------------	--	-------



FILE NAME: XL7999-ALL-14AL162.dwg	TIME: 1:55:27 PM	DATE: 10/10/2017	DESIGNED BY: E. EVANS	ENTERED BY: D. BRINKMANN	CHECKED BY: R. KOTTLER	PROJ. ENGR: R. JOHNSON	REGIONAL ADM: L. LAIRD	REVISION	DATE	BY	BRIDGE NO. 10	STATE WASH	FED.AID PROJ.NO. BR-0099(111)	LOCATION NO.	SEATTLE TUNNEL PARTNERS	Washington State Department of Transportation	Federal Highway Administration	City of Seattle	SR 99 TUNNEL PROJECT CONTRACT PACKAGE 14	AL182

H:\D:\PAC-0254-TRE-11-020208-14-RFC-1710-13



LEGEND:

- ① HMA CLASS 1/2" PG 58-22 SIDEWALK OR MULTI-USE TRAIL
- ② TYPE 412 CURB
- ③ TYPE 422A CURB RAMP
- ④ TYPE 430A DRIVEWAY
- ⑤ TYPE 422B CURB RAMP

GENERAL NOTES:

1. CURB OFFSETS ARE CALLED OUT AT THE FACE OF CURB.
2. ADJUST HMA PAVEMENT LIMITS AROUND VIADUCT BENTS.
3. ADJUST REMAINING EXISTING VAULT, MANHOLE, CATCH BASIN, AND INLET RIMS TO FINISH GRADE.
4. CONCRETE BARRIER OFFSETS ARE CALLED OUT TO CENTER OF BARRIER.
5. SEE DRAWINGS RS552 - RS556 FOR PAVEMENT SECTION DETAILS.

CONSTRUCTION NOTES:

- ① FILL TO ELEVATION 15'. SEE SOUTH SUPPORT OF EXCAVATION PLANS FOR WALL REMOVAL AND SOUTH APPROACH STRUCTURAL PLANS FOR LID INFORMATION.
- ② PLACE 1 FOOT OF FILL ON TOP OF MECHANICAL LID. SEE SOUTH APPROACH STRUCTURE PLANS FOR LID DETAILS.
- ③ END AND BEGIN TYPE 410C CURB AT BOTH SIDES OF THE TYPE 280B INLETS. MATCH FLOW LINE AND FACE OF THE INLET CURB.
- ④ OVERLAY EXISTING SIDEWALK RAMP DEPRESSION BETWEEN TOP BACK OF NEW CURB TO TOP EDGES EXISTING RAMP.



NO PUBLIC ACCESS UNTIL AFTER COMPLETION OF THE PIER 48 IMPROVEMENT PROJECT BY OTHERS.

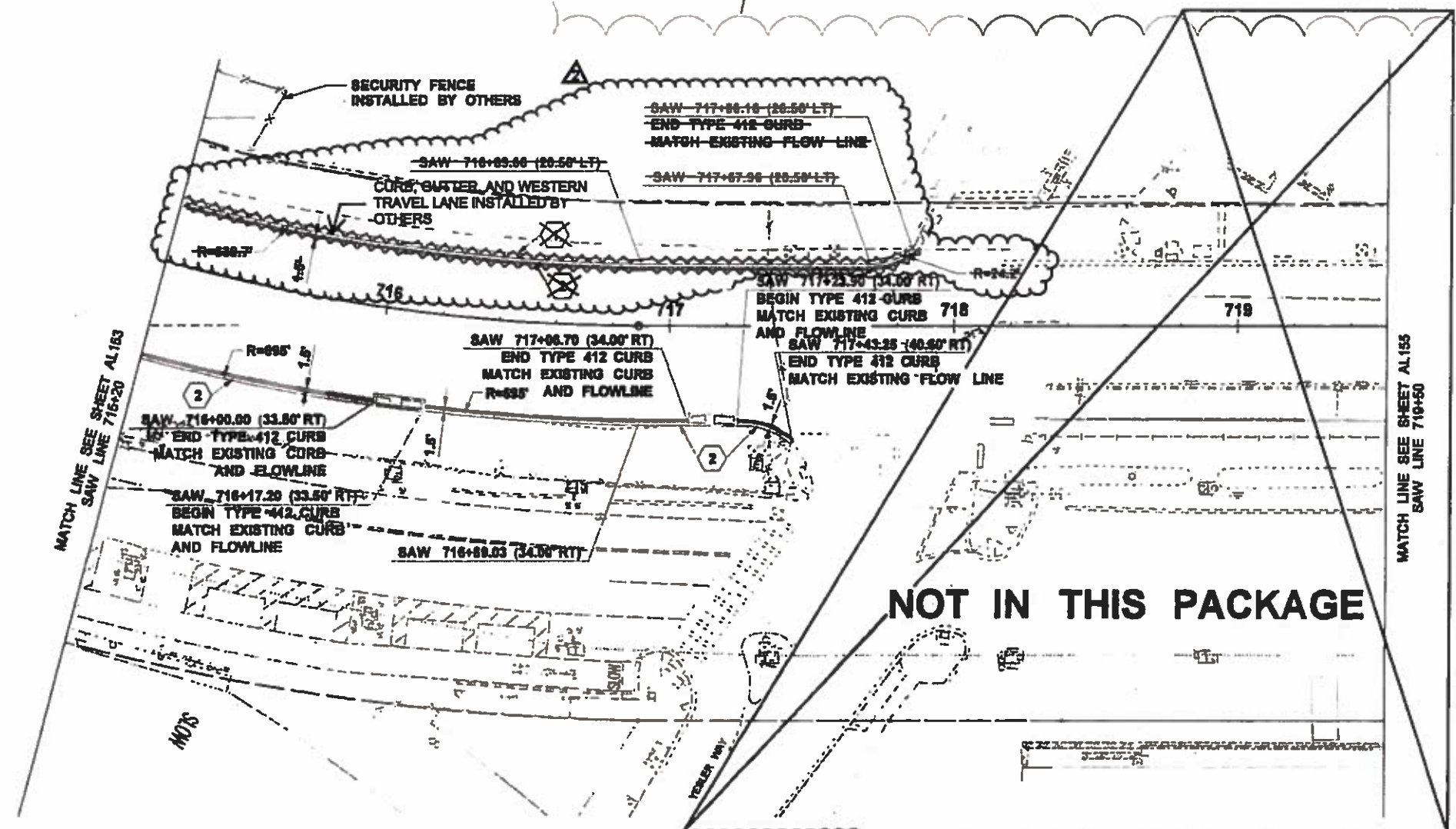


FILE NAME	XL7999-ALL-14AL153.dwg		ASSIGN NO.	10	STATE	WASH	FED.AID PROJ.NO.	BR-0099(111)	
TIME	1:56:33 PM		JOB NUMBER			CONTRACT NO.			
DATE	10/10/2017		DATE	01/08/2018	BY	ST			
PLOTTED BY	mmorford		REVISION	MDC 085 - STREET RESTORATION MODIFICATIONS		DATE	08/08/2017		
DESIGNED BY	E. EVANS		BY	L. LAIRD		DATE			
ENTERED BY	D. BRINKMANN		DATE			BY			
CHECKED BY	R. KITTLER		DATE			BY			
PROJ. ENGR.	R. JOHNSON		DATE			BY			
REGIONAL ADM.	L. LAIRD		DATE			BY			

RELEASED FOR CONSTRUCTION
 Date: 10/17/17
 Initials of DOAM: [Signature]

SR 99 TUNNEL PROJECT
CONTRACT PACKAGE 14
AL153
STREET RESTORATION
ALIGNMENT AND PAVING PLAN

SEC.6, T.24N. R.4E. W.M.



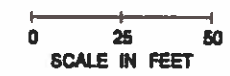
LEGEND:

- ① HMA CLASS 1/2" PG 58-22 SIDEWALK OR MULTI-USE TRAIL
- ② TYPE 412 CURB
- ③ TYPE 422A CURB RAMP
- ④ TYPE 430A DRIVEWAY
- ⑤ TYPE 422B CURB RAMP

GENERAL NOTES:

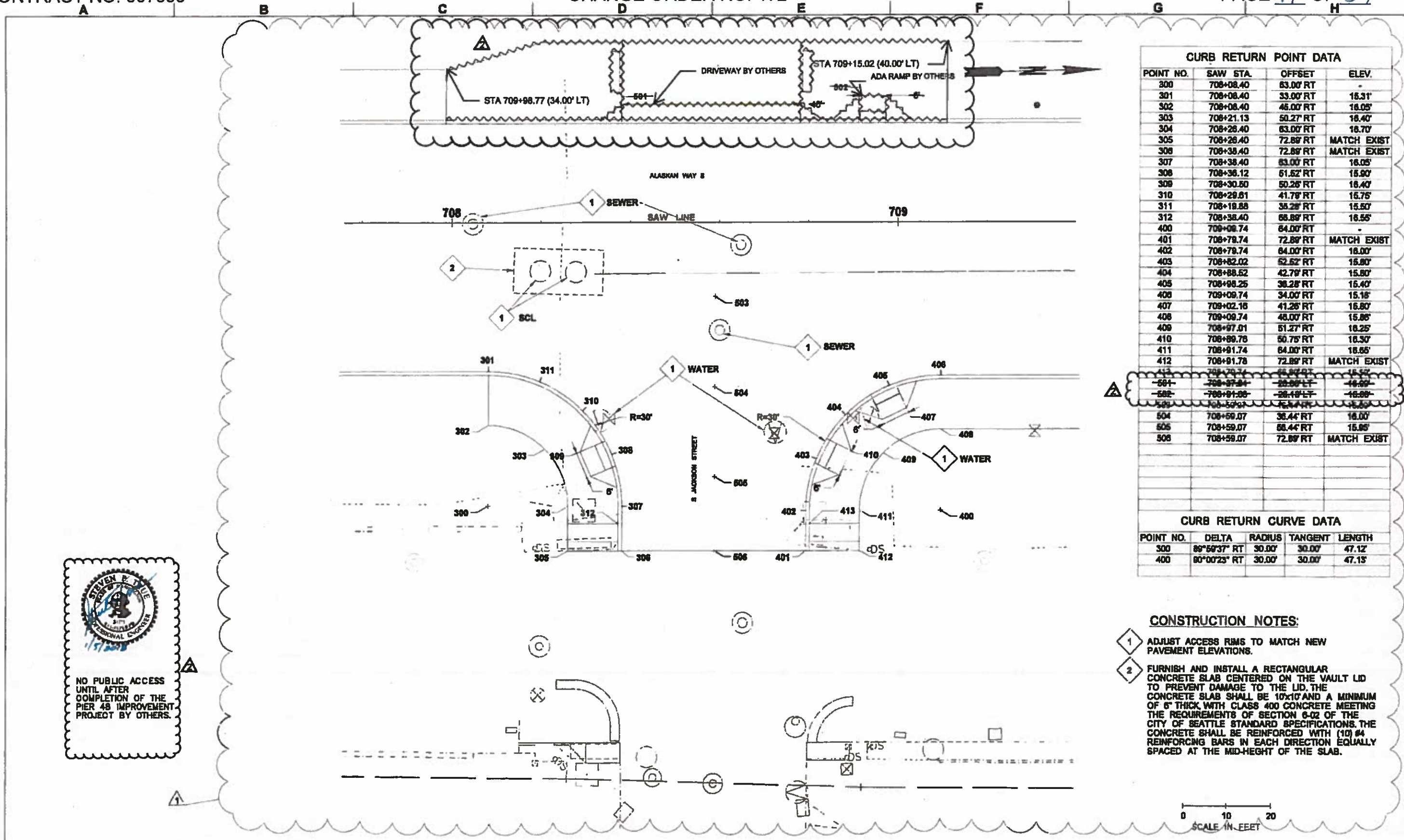
1. CURB OFFSETS ARE CALLED OUT AT THE FACE OF CURB.
2. ADJUST HMA PAVEMENT LIMITS AROUND VIADUCT BENTS.
3. ADJUST REMAINING EXISTING VAULT, MANHOLE, CATCH BASIN, AND INLET RIMS TO FINISH GRADE.
4. CONCRETE BARRIER OFFSETS ARE CALLED OUT TO CENTER OF BARRIER.
5. SEE DRAWINGS RS562 - RS568 FOR PAVEMENT SECTION DETAILS.

NO PUBLIC ACCESS UNTIL AFTER COMPLETION OF THE PIER 48 IMPROVEMENT PROJECT BY OTHERS.



H:\D:\P&C\007999\TBL11-00008-14-WPC-1710-1E

FILE NAME	XL7999-ALL-14AL154.dwg	REVISION	DATE	BY	FED.AID PROJ.NO.	BR-0099(111)	Washington State Department of Transportation	SR 99 TUNNEL PROJECT CONTRACT PACKAGE 14	AL154
TIME	1:56:48 PM						U.S. Department of Transportation Federal Highway Administration		
DATE	10/10/2017						City of Seattle	STREET RESTORATION ALIGNMENT AND PAVING PLAN	SHEET OF SHEETS
PLOTTED BY	mmorford								
DESIGNED BY	E. EVANS	RF1 04147	01/05/2018	ST					
ENTERED BY	D. BRINKMANN								
CHECKED BY	R. TUTTLER								
PROJ. ENGR.	R. JOHNSON	NDC 098 - STREET RESTORATION MODIFICATIONS	06/06/2017	AZ					
REGIONAL ADM.	L. LAIRD								



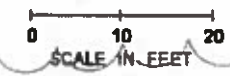
CURB RETURN POINT DATA

POINT NO.	SAW STA.	OFFSET	ELEV.
300	708+08.40	83.00' RT	-
301	708+08.40	33.00' RT	15.31'
302	708+08.40	46.00' RT	18.05'
303	708+21.13	50.27' RT	18.40'
304	708+26.40	83.00' RT	18.70'
305	708+26.40	72.89' RT	MATCH EXIST
306	708+38.40	72.89' RT	MATCH EXIST
307	708+38.40	83.00' RT	18.05'
308	708+38.40	61.52' RT	15.90'
309	708+30.60	50.28' RT	18.40'
310	708+29.81	41.79' RT	15.75'
311	708+19.88	35.28' RT	15.50'
312	708+38.40	68.89' RT	18.55'
400	708+08.74	84.00' RT	-
401	708+78.74	72.89' RT	MATCH EXIST
402	708+79.74	84.00' RT	18.00'
403	708+82.02	52.52' RT	15.80'
404	708+88.52	42.79' RT	15.80'
405	708+98.26	36.28' RT	15.40'
406	708+09.74	34.00' RT	15.15'
407	708+02.18	41.28' RT	15.80'
408	708+09.74	48.00' RT	15.85'
409	708+97.01	51.27' RT	18.25'
410	708+89.78	50.75' RT	18.30'
411	708+91.74	84.00' RT	18.55'
412	708+91.78	72.89' RT	MATCH EXIST
413	708+79.74	68.89' RT	18.55'
501	708+97.84	28.99' LT	18.55'
502	708+91.88	28.18' LT	18.55'
503	708+59.07	72.89' RT	15.55'
504	708+59.07	36.44' RT	18.00'
505	708+59.07	68.44' RT	15.85'
506	708+59.07	72.89' RT	MATCH EXIST

CURB RETURN CURVE DATA

POINT NO.	DELTA	RADIUS	TANGENT	LENGTH
300	89°59'37" RT	30.00'	30.00'	47.12'
400	80°00'23" RT	30.00'	30.00'	47.15'

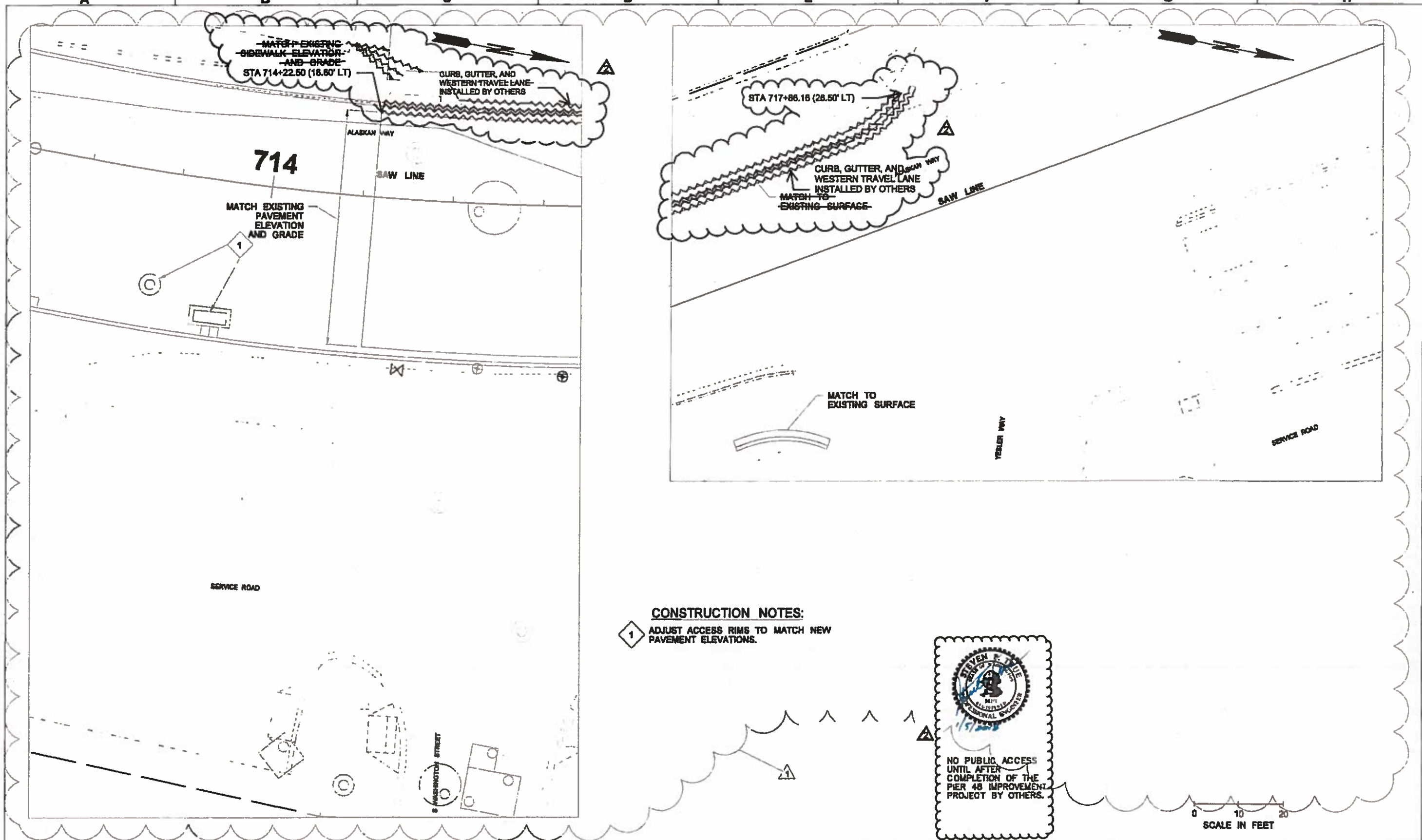
- CONSTRUCTION NOTES:**
- 1 ADJUST ACCESS RIMS TO MATCH NEW PAVEMENT ELEVATIONS.
 - 2 FURNISH AND INSTALL A RECTANGULAR CONCRETE SLAB CENTERED ON THE VAULT LID TO PREVENT DAMAGE TO THE LID. THE CONCRETE SLAB SHALL BE 10'x10' AND A MINIMUM OF 6" THICK WITH CLASS 400 CONCRETE MEETING THE REQUIREMENTS OF SECTION 6-02 OF THE CITY OF SEATTLE STANDARD SPECIFICATIONS. THE CONCRETE SHALL BE REINFORCED WITH (10) #4 REINFORCING BARS IN EACH DIRECTION EQUALLY SPACED AT THE MID-HEIGHT OF THE SLAB.



STEVEN E. TALLE
 PROFESSIONAL ENGINEER
 1/17/2018

NO PUBLIC ACCESS UNTIL AFTER COMPLETION OF THE PIER 48 IMPROVEMENT PROJECT BY OTHERS.

FILE NAME XL7999-ALL-14PD662.dwg	TIME 1:58:24 PM	DATE 10/18/2017	DESIGNED BY E. EVANS	ENTERED BY D. BRINKMANN	CHECKED BY R. KITTLER	PROJ. ENGR. R. JOHNSON	REGIONAL ADM. L. LAIRD	REVISION RF1 04147	DATE 01/05/2018	BY ST	REVISION NDC 068 - STREET RESTORATION MODIFICATIONS	DATE 08/08/2017	BY PC	REVISION	DATE	BY	FED.AID PROJ.NO. BR-0099(111)	LOCATION NO.						SR 99 TUNNEL PROJECT CONTRACT PACKAGE 14	STREET RESTORATION PAVING DETAIL	PD662
-------------------------------------	--------------------	--------------------	-------------------------	----------------------------	--------------------------	---------------------------	---------------------------	-----------------------	--------------------	----------	--	--------------------	----------	----------	------	----	----------------------------------	--------------	--	--	--	--	--	---	-------------------------------------	-------



CONSTRUCTION NOTES:
 1 ADJUST ACCESS RIMS TO MATCH NEW PAVEMENT ELEVATIONS.

NO PUBLIC ACCESS UNTIL AFTER COMPLETION OF THE PIER 48 IMPROVEMENT PROJECT BY OTHERS.

0 10 20
SCALE IN FEET

I:\D-P\AK-QSH-T\11-00000-14\PC-1718-12

FILE NAME XL7999-ALL-14PD654.dwg	TIME 1:56:39 PM	DATE 10/10/2017	DESIGNED BY E. EVANS	ENTERED BY D. BRINKMANN	CHECKED BY R. KITTLER	PROJ. ENGR. R. JOHNSON	REGIONAL ADM. L. LARD	RFI 04147	01/05/2018	ST	NDC 086 - STREET RESTORATION MODIFICATIONS	09/06/2017	AZ	REVISION	DATE	BY	FED.AID PROJ.NO. BR-0099(111)	LOCATION NO.	 RELEASED FOR CONSTRUCTION	SEATTLE TUNNEL PARTNERS Date: 10/12/17 Initials of DOAM: [Signature]	Washington State Department of Transportation U.S. Department of Transportation Federal Highway Administration City of Seattle	SR 99 TUNNEL PROJECT CONTRACT PACKAGE 14	STREET RESTORATION PAVING DETAIL	PD654	SHEET OF 00000
-------------------------------------	--------------------	--------------------	-------------------------	----------------------------	--------------------------	---------------------------	--------------------------	-----------	------------	----	--	------------	----	----------	------	----	----------------------------------	--------------	-------------------------------	--	---	---	-------------------------------------	-------	----------------------

A

B

C

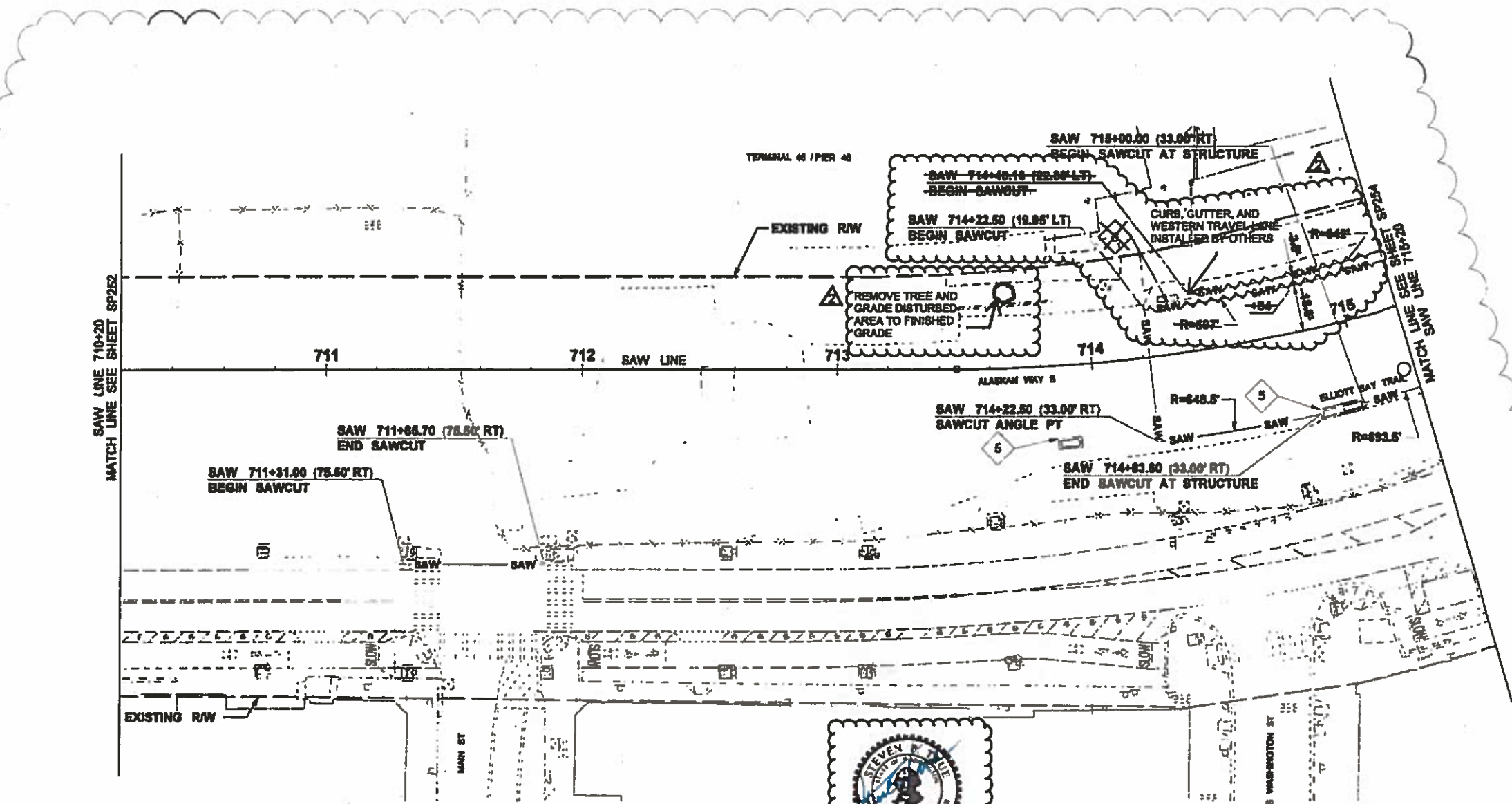
D

E

F

G

H



CONSTRUCTION NOTES

- 5 PROTECT EXISTING STORM DRAINAGE STRUCTURE.
- 6 REMOVE EXISTING CURB AND LOWER PORTION OF SIDEWALK RAMP TO ALLOW CONSTRUCTION OF NEW CURB.

GENERAL NOTES:

- 1. EXISTING CONSTRUCTION FENCING SHOWN IS APPROXIMATE REMOVE / RELOCATE EXISTING CONSTRUCTION FENCING AND SCREENING AS NEEDED.
- 2. GRADE DISTURBED AREAS AND ADD BASE MATERIAL FOR FUTURE SIDEWALK.

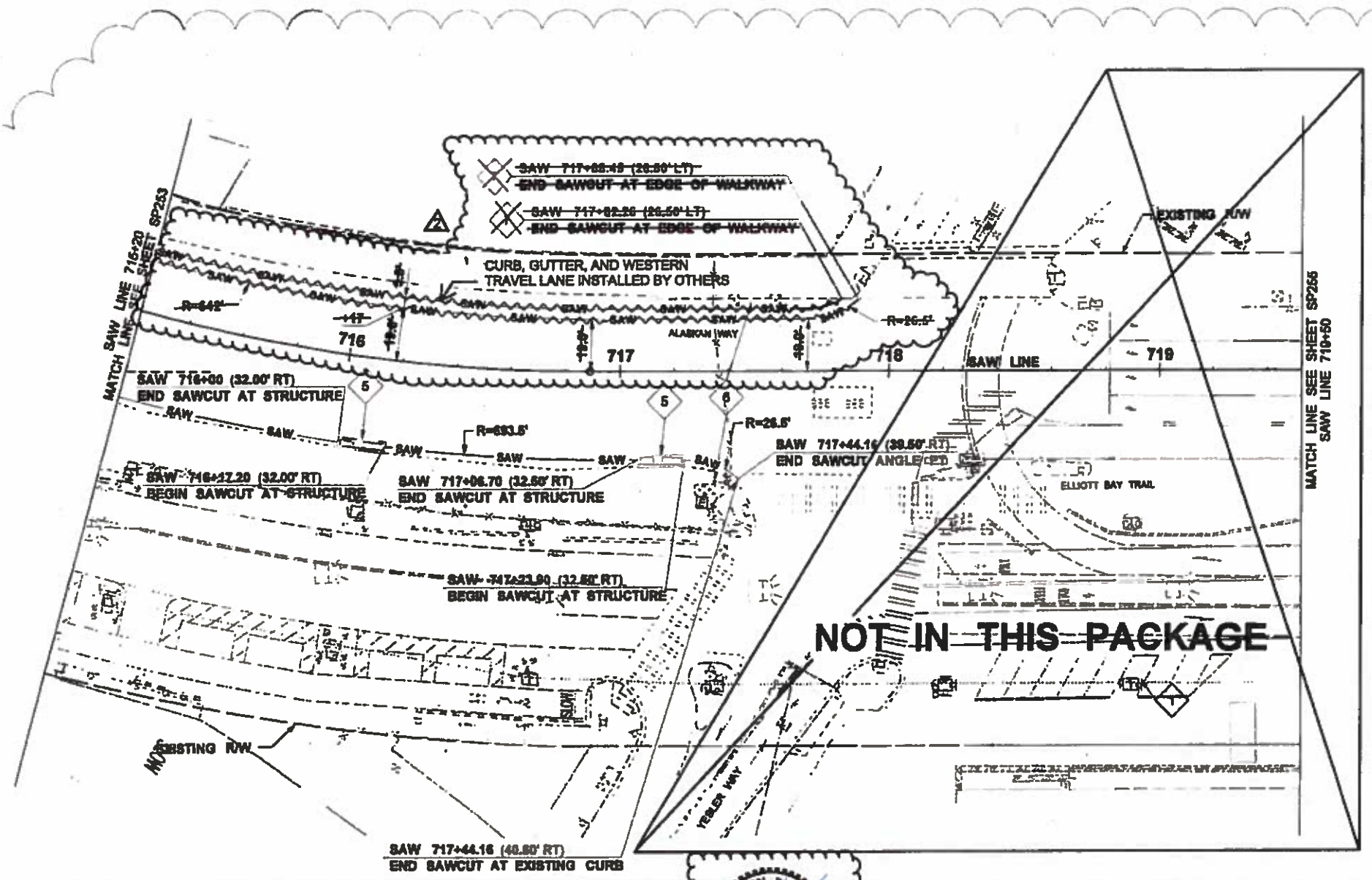
NO PUBLIC ACCESS UNTIL AFTER COMPLETION OF THE PIER 48 IMPROVEMENT PROJECT BY OTHERS.



H:\D-PAC-GEN-TPL\11-02088-14-RFC-1718-12

FILE NAME	XL7999-ALL-148P263.dwg			REGION NO.	STATE	FED.AID PROJ.NO.						SR 99 TUNNEL PROJECT CONTRACT PACKAGE 14	SP253
TIME	1:56:51 PM			10	WASH	BR-0099(111)							
DATE	10/10/2017			JOB NUMBER		LOCATION NO.							
PLOTTED BY	mmorford			CONTRACT NO.									
DESIGNED BY	E. EVANS			DATE	01/05/2018	BY	ST						
ENTERED BY	D. BRINKMANN			REVISION									
CHECKED BY	R. KITTLER			REVISION									
PROJ. ENGR.	R. JOHNSON			REVISION									
REGIONAL ADM.	L. LAIRD			REVISION									

A B C D E F G



CONSTRUCTION NOTES

- 5 PROTECT EXISTING STORM DRAINAGE STRUCTURE.
- 6 PROTECT EXISTING LIGHTING/SIGNAL POLE.
- 7 PROTECT EXISTING WALKWAY.

GENERAL NOTES:

1. EXISTING CONSTRUCTION FENCING SHOWN IS APPROXIMATE. REMOVE / RELOCATE EXISTING CONSTRUCTION FENCING AND SCREENING AS NEEDED.



NO PUBLIC ACCESS UNTIL AFTER COMPLETION OF THE PIER 48 IMPROVEMENT PROJECT BY OTHERS.



FILE NAME	XL7999-ALL-14SP254.dwg
TIME	1:58:59 PM
DATE	10/10/2017
PLOTTED BY	mmorford
DESIGNED BY	E. EVANS
ENTERED BY	D. BRINKMANN
CHECKED BY	R. MITTLER
PROJ. ENGR.	R. JOHNSON
REGIONAL ADM.	L. LAIRD

RFI 04147	01/05/2018	ST
NDC 085 - STREET RESTORATION MODIFICATIONS	04/06/2017	PC
REVISION	DATE	BY

REGION NO.	10	STATE	WASH	FED AID PROJ. NO.	BR-0099(111)
CONTRACT NO.		LOCATION NO.			



SEATTLE TUNNEL PARTNERS

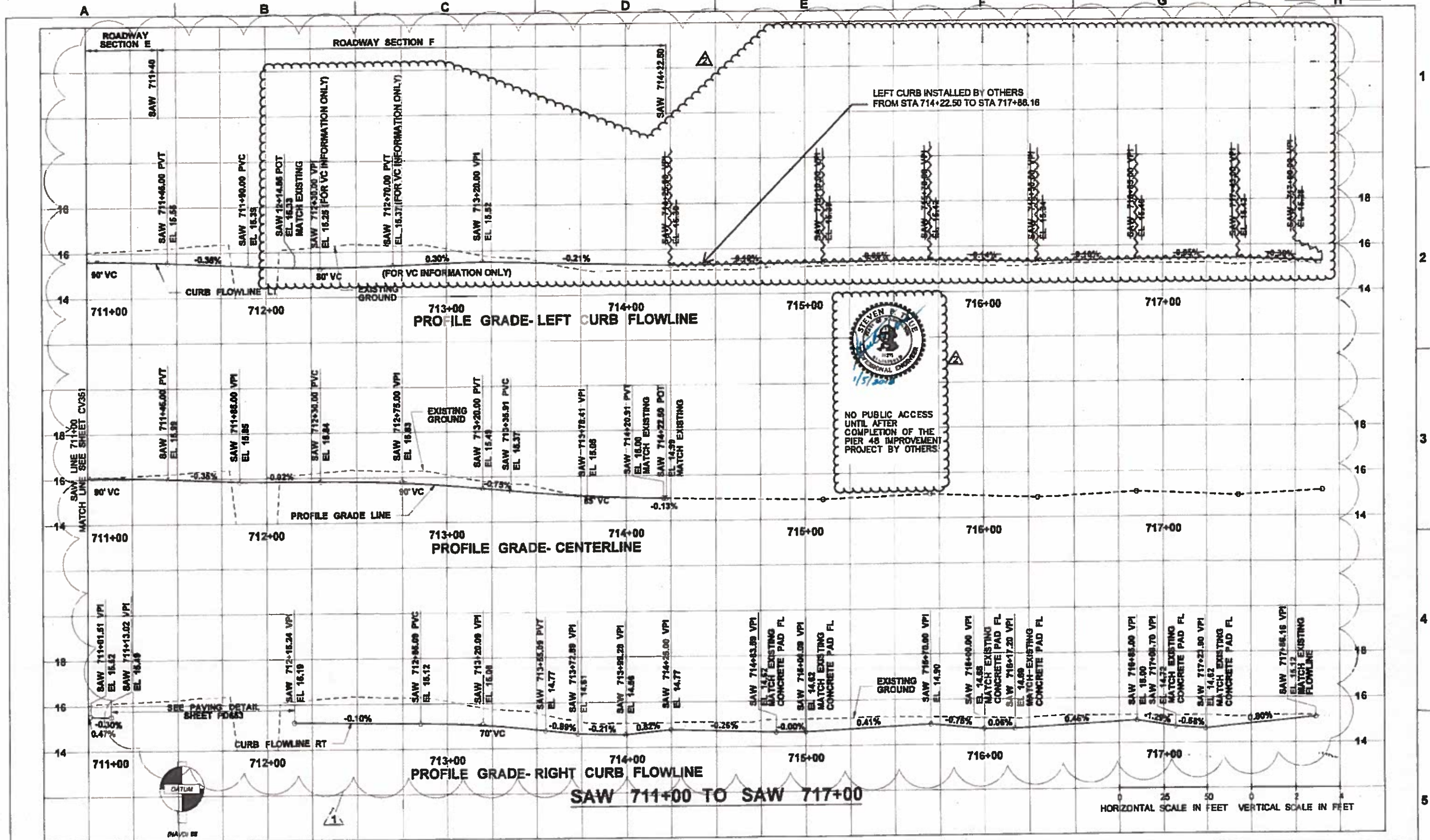
10/12/17
Date
Initial of COAM

RELEASED FOR CONSTRUCTION



SR 99 TUNNEL PROJECT CONTRACT PACKAGE 14	SP254
STREET RESTORATION SITE PREPARATION PLAN	SHEET OF SHEETS

H:\D:\PAC\0254\TBL11-02088-14-RFD-1710-12



H:\D-PAK-CORP-TRE-11-00000-14-RFC-1710-12

FILE NAME	XL7999-ALL-14CV362.dwg
TIME	1:57:37 PM
DATE	10/10/2017
PLOTTED BY	mmorford
DESIGNED BY	R. KITTLER
ENTERED BY	D. BRINKMANN
CHECKED BY	E. EVANS
PROJ. ENGR.	R. JOHNSON
REGIONAL ADM.	L. LAIRD

RFI 04147
1 NDC 098-STREET RESTORATION MODIFICATIONS
REVISION

01/05/2018	ST
06/06/2017	RIK
DATE	BY

RECEIVED BY: [Signature]

DATE: 12/17/17

INITIALS OF DOAM

RELEASED FOR CONSTRUCTION

Washington State Department of Transportation

U.S. Department of Transportation Federal Highway Administration

City of Seattle

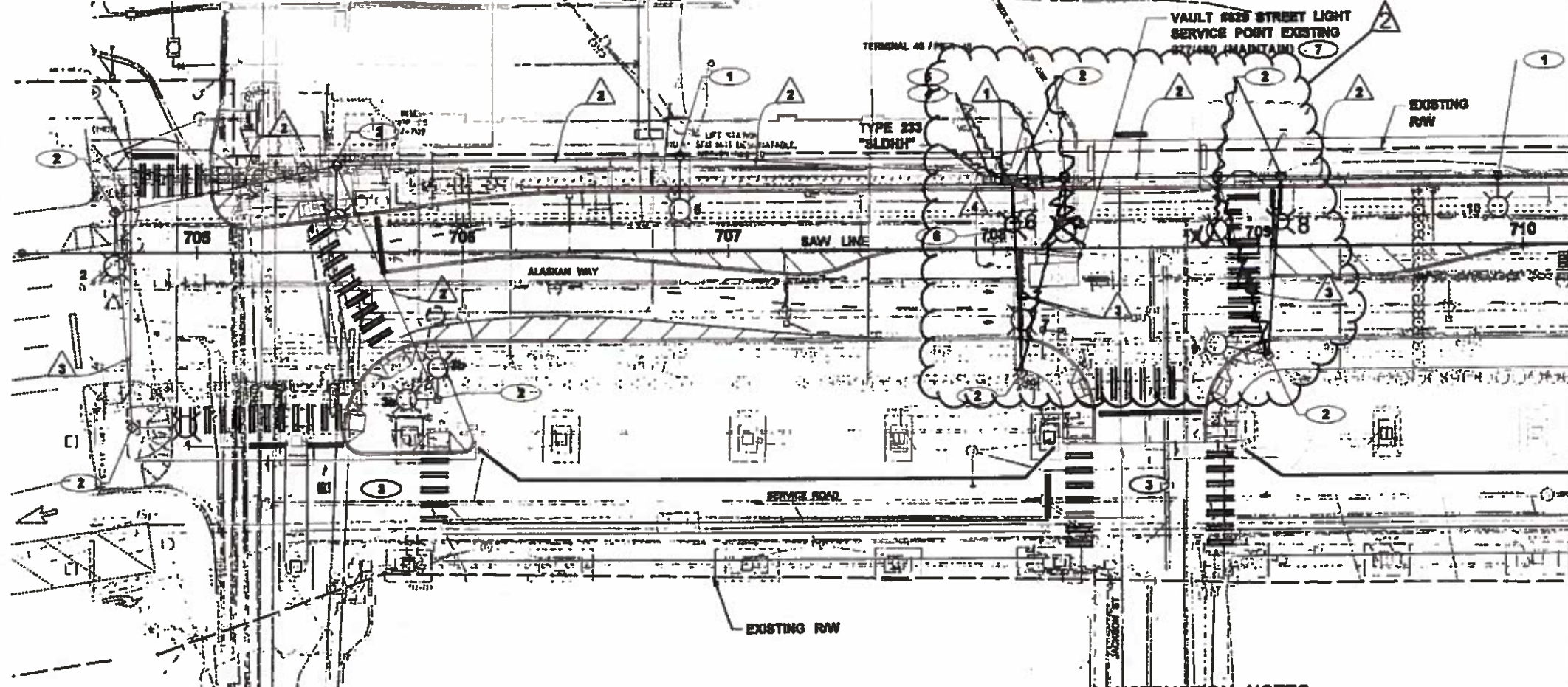
SR 99 TUNNEL PROJECT CONTRACT PACKAGE 14

STREET RESTORATION ROADWAY PROFILE

CV362
SHEET
OF
SHEETS

GENERAL NOTES:

- SEE SHEET IL701 FOR STREET LIGHT WIRING SCHEMATIC.
- INSTALL COUNTERPOISE GROUNDING PER SCL CONSTRUCTION STANDARDS 1714.50 AND 1716.07.
- POTHOLE LIGHT STANDARD LOCATIONS PRIOR TO AUGERING.
- CONTRACTOR TO INSTALL CONDUITS FROM VAULT. CONTRACTOR SHALL CONTACT SCL FIVE (5) WORKING DAYS IN ADVANCE FOR SCL SAFETY WATCH (STANDBY) AND CONDUIT ENTRY AND TERMINATION AT SCL ELECTRICAL VAULT REQUIREMENTS.
- UNDERGROUND STREETLIGHT SYSTEM SHALL BE PER SCL CONSTRUCTION STANDARD 1714.50.



MATCH LINE SEE SHEET IL103 SAW LINE 710+20



LUMINAIRE SCHEDULE

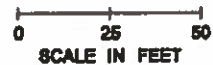
POLE NO.	LOCATION STATION	OFFSET	MOUNT HT.	LUMINAIRE			COMMENTS
				WATTS	VOLTS	CIRCUIT	
1			35'	195 LED	277	L2	SEE SIGNAL PLAN FOR POLE LOCATION
2			35'	195 LED	277	L1	SEE SIGNAL PLAN FOR POLE LOCATION
3a			35'	195 LED	277	L2	SEE SIGNAL PLAN FOR POLE LOCATION
3b			35'	195 LED	277	L1	SEE SIGNAL PLAN FOR POLE LOCATION
4	705+82.38	32.16' LT	35'	195 LED	277	L2	
5	705+81.64	38.28' LT	35'	195 LED	277	L1	
6			35'	195 LED	277	L2	SEE SIGNAL PLAN FOR POLE LOCATION
7			35'	195 LED	277	L1	SEE SIGNAL PLAN FOR POLE LOCATION
8			35'	195 LED	277	L1	SEE SIGNAL PLAN FOR POLE LOCATION
9			35'	195 LED	277	L2	SEE SIGNAL PLAN FOR POLE LOCATION
10	705+80.64	25.74' LT	35'	195 LED	277	L2	

LIGHTING WIRE NOTES

WIRE NO.	SPAN OR CONDUIT SIZE	WIRES	COMMENTS
1	2"	3#2 & 1#2(G)	RGS RISER (L1, L2, N)
2	SPAN	#2 TRIPLEX & 1#2(G)	L1, L2, N
3	SPAN	#2 TRIPLEX & 1#2(G)	CIRCUIT L1 OR L2, N
4	(2) 3"	BY SCL	3#2 (L1, L2, N) BY SCL

CONSTRUCTION NOTES:

- INSTALL 40' CLASS 3 TIMBER POLE PER SCL CONSTRUCTION STANDARD 0100.07 AND SCL MATERIAL STANDARD 5072.00 WITH 10-FOOT BRACKET ARM AND 195W LED COBRAHEAD LUMINAIRE PER SCL MATERIAL STANDARDS 5705.10 AND 5723.71 RESPECTIVELY AND SCL CONSTRUCTION STANDARD 1712.00.
- INSTALL 10-FOOT BRACKET ARM AND 195W LED COBRAHEAD LUMINAIRE IN ACCORDANCE WITH SCL MATERIAL STANDARDS 5705.10 AND 5723.71, ON CLASS 1 TIMBER SIGNAL POLE. SEE SIGNAL PLANS FOR POLE INSTALLATION AND LOCATION.
- MAINTAIN UNDERDECK LIGHTING CIRCUIT AND SIGNAL CIRCUITS FOR KING STREET AND JACKSON STREET.
- INSTALL STREETLIGHT DISTRIBUTION HANDHOLE (SLDHH) TYPE 5 PER SCL MATERIAL STANDARD 7203.09 AND CONSTRUCTION STANDARD 1716.07. PROVIDE 30A FUSES PER SCL CONSTRUCTION STANDARDS 1714.50 AT SERVICE CONNECTION WITH MULTIPLE CONNECTORS PER SCL MATERIAL STANDARD 5780.46. CONTRACTOR SHALL COIL 8' OF EACH CONDUCTOR AND TERMINATE CONDUCTORS AT MULTIPLE CONNECTOR PROVIDE GROUND ROD PER SCL MATERIAL STANDARD 5762.28. COORDINATE SERVICE CONNECTION WITH SCL.
- INSTALL ONE 2" RGS CONDUIT RISER FROM TYPE 5 STREETLIGHT DISTRIBUTION HANDHOLE (SLDHH) TO THE TOP OF THE FIRST WOOD POLE PER SCL CONSTRUCTION STANDARD 1714.60.
- INSTALL CONDUIT PER SCL CONSTRUCTION STANDARD 1716.07.
- EXISTING STREET LIGHT SERVICE DISCONNECTIONS AND FINAL STREET LIGHT SERVICE CONNECTIONS SHALL BE MADE BY SEATTLE CITY LIGHT (SCL) AT PROJECT'S EXPENSE. STREET LIGHT AS-BUILTS SHALL BE INSPECTED AND SIGNED BY THE INSPECTOR AND SUBMITTED TO SCL AT TIME OF REQUEST FOR FINAL INSPECTION. SYSTEM COMMISSIONING AND SERVICE CONNECTIONS CONTACT SCL ELECTRICAL SERVICE REPRESENTATIVE (ESR) TEN (10) WORKING DAYS IN ADVANCE OF SERVICE REQUEST.
- INSTALL OVERHEAD CABLE PER SCL MATERIAL STANDARD 8007.50



FILE NAME: XL7999-ALL-148.162.dwg
 TIME: 2:00:47 PM
 DATE: 10/10/2017
 PLOTTED BY: smorford
 DESIGNED BY: A. GOROVAYA
 ENTERED BY: R. GREENLEE
 CHECKED BY: J. PRZYCHODZEN
 PROJ. ENGR.: R. JOHNSON
 REGIONAL ADM.: L. LAIRD

RFI 04147

NDC 088 - STREET RESTORATION MODIFICATIONS

01/09/2018 SZR

08/08/2017 JP

REGION NO. 10 STATE WASH
 FED.AID PROJ.NO. BR-0099(111)
 LOCATION NO.



RELEASED FOR CONSTRUCTION
 10-11-17

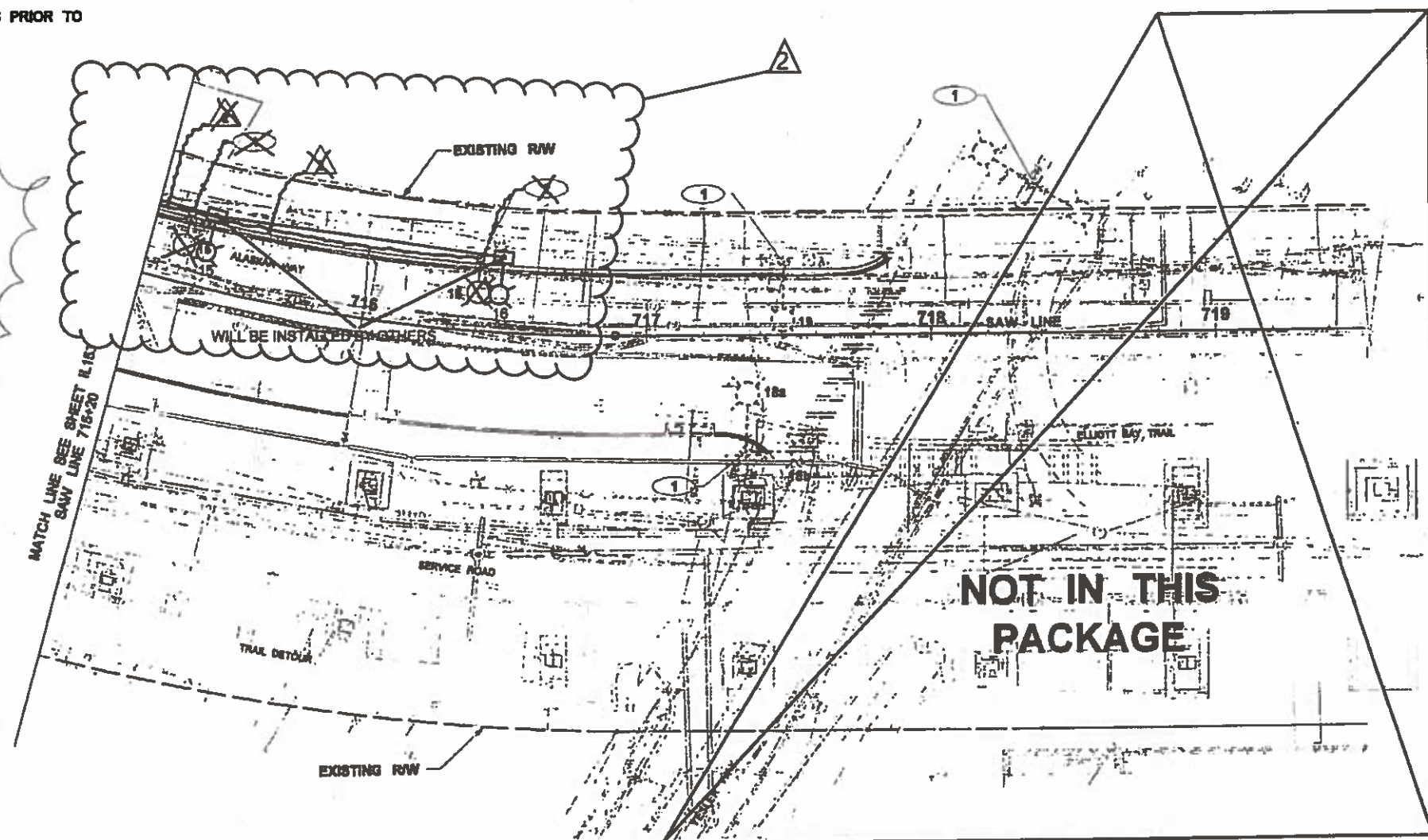
Washington State Department of Transportation
 Federal Highway Administration
 City of Seattle

SR 99 TUNNEL PROJECT
 CONTRACT PACKAGE 14
 STREET RESTORATION ILLUMINATION PLAN

IL152

GENERAL NOTES:

- SEE SHEET IL701 FOR STREET LIGHT WIRING SCHEMATIC.
- INSTALL COUNTERPOISE GROUNDING PER SCL CONSTRUCTION STANDARDS 1714.50 AND 1716.07.
- POTHOLE LIGHT STANDARD LOCATIONS PRIOR TO AUGERING.



LUMINAIRE SCHEDULE

POLE NO.	LOCATION		MOUNT HT.	LUMINAIRE			COMMENTS
	STATION	OFFSET		WATTS	VOLTS	CIRCUIT	
45	716+33.75	24.75 FT	35	185 LED	277	L1	
46	716+40.00	22.25 FT	35	185 LED	277	L2	

LIGHTING WIRE NOTES

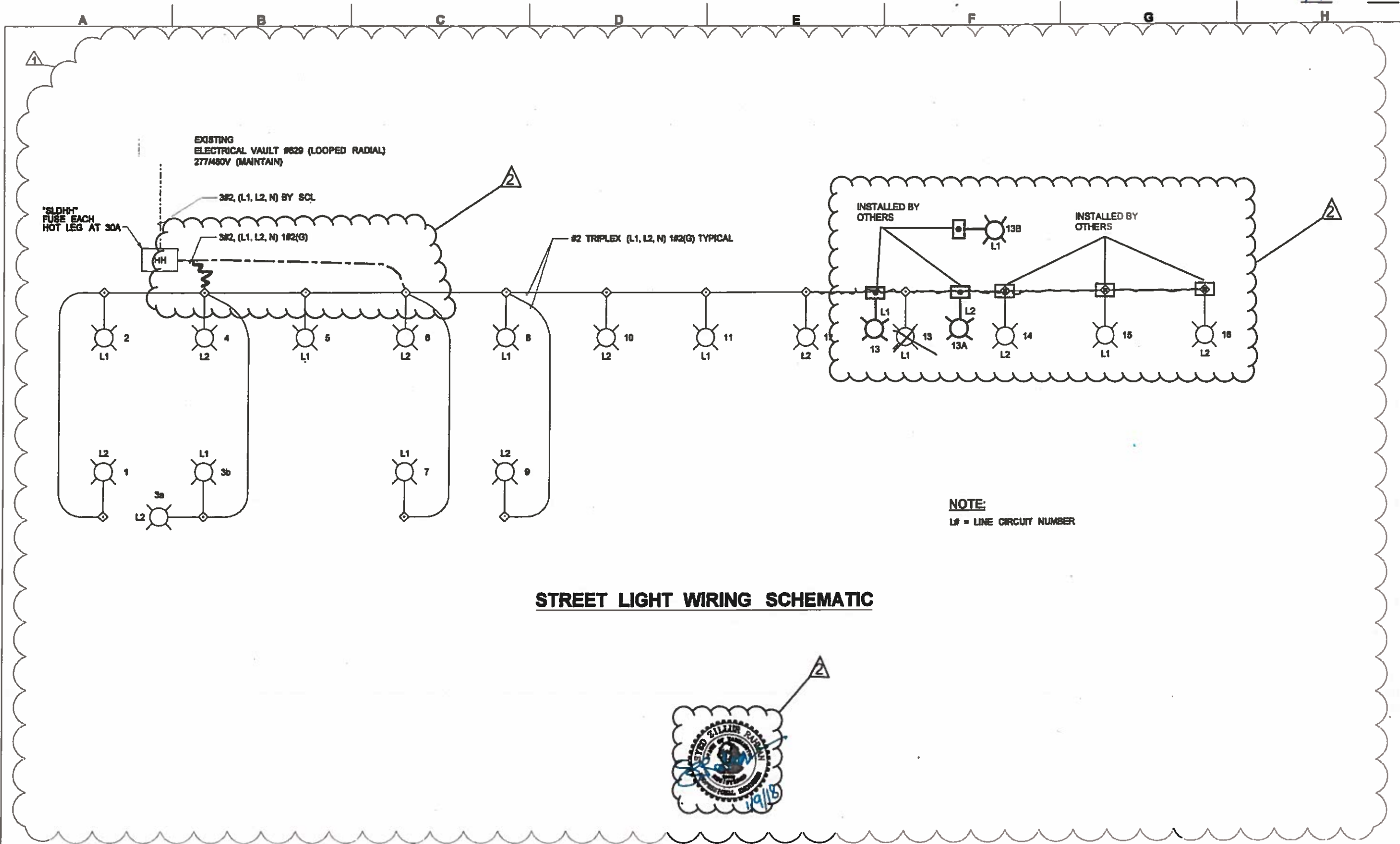
WIRE NO.	SPAN OR CONDUIT SIZE	WIRES	COMMENTS
1	SPAN	02 TRIPLEX 1-1/2" (3)	L1, L2, N
2	SPAN	02 TRIPLEX 1-1/2" (3)	CIRCUIT L1 OR L2, N

CONSTRUCTION NOTE:

- MAINTAIN EXISTING ILLUMINATION.
- INSTALL 15 FOOT BRACKET ARM AND 185W LED OVERHEAD LUMINAIRE IN ACCORDANCE WITH SCL MATERIAL STANDARDS 5705.10 AND 5723.11 ON CLASS 1 TIMBER SIGNAL POLE SEE SIGNAL PLANS FOR POLE INSTALLATION AND LOCATION.
- INSTALL OVERHEAD CABLE PER SCL MATERIAL STANDARDS 5007.50.

SCALE IN FEET
25 50

FILE NAME: XL7999-ALL-140L154.dwg	TIME: 2:01:09 PM	DATE: 10/10/2017	DESIGNED BY: A. GOROVAYA	ENTERED BY: R. GREENLEE	CHECKED BY: J. PRZYCHODZEN	PROJ. ENGR: R. JOHNSON	REGIONAL ADM: L. LAIRD	REVISION	DATE	BY	REGION NO.	STATE	FED.AID PROJ.NO.	BR-0099(111)	LOCATION NO.	WASHINGTON STATE DEPARTMENT OF TRANSPORTATION	FEDERAL HIGHWAY ADMINISTRATION	CITY OF SEATTLE	SR 99 TUNNEL PROJECT CONTRACT PACKAGE 14	STREET RESTORATION ILLUMINATION PLAN	IL154
			RFI-04147						01/09/2018	SZR	10	WASH									
			NDC 095 - STREET RESTORATION MODIFICATIONS						08/08/2017	JP											



H:\0-PAK-GEN-TRD-11-00000-14-RFC-170-12

FILE NAME	XL7999-ALL-14IL791.dwg	REGION NO.	10	STATE	WASH	FED.AID PROJ.NO.	BR-0099(111)	 	SR 99 TUNNEL PROJECT CONTRACT PACKAGE 14 STREET RESTORATION ILLUMINATION DETAILS	IL701
TIME	2:01:20 PM	JOB NUMBER		CONTRACT NO.		LOCATION NO.				SHEET OF SHEETS
DATE	10/10/2017	DATE	01/09/2018	BY	SZR	DATE	06/06/2017	BY	JP	
PLOTTED BY	mmorford	REVISION								
DESIGNED BY	A. GOROVAYA									
ENTERED BY	R. GREENLEE									
CHECKED BY	J. PRZYCHOZEN									
PROJ. ENGR.	R. JOHNSON									
REGIONAL ADM.	L. LAIRD									

GENERAL NOTES:

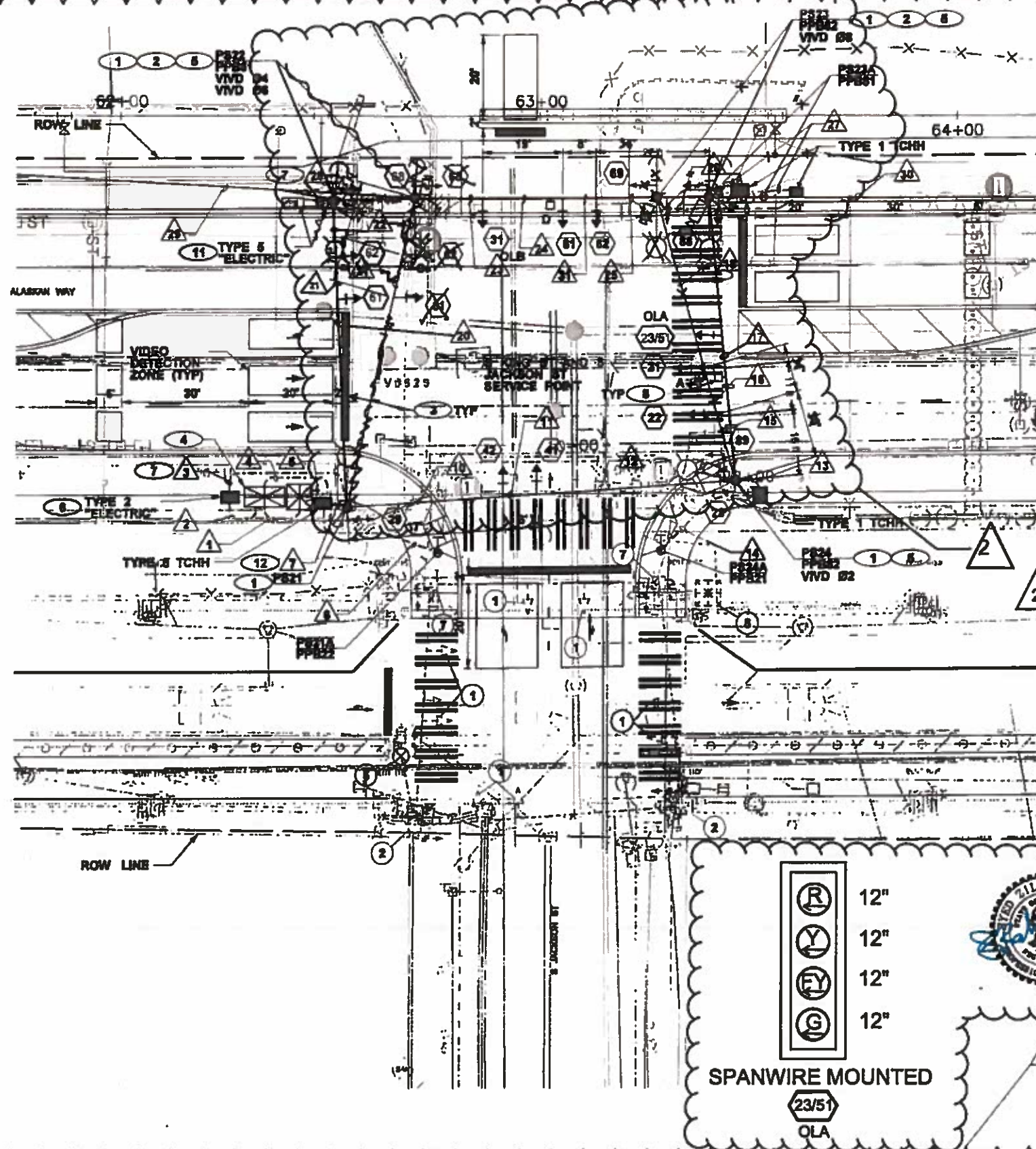
- 1. SEE SHEETS GND51 AND GND52 FOR GENERAL NOTES, LEGEND, AND ABBREVIATIONS.
- 2. SEE ILLUMINATION PLANS IL152 TO IL154 FOR ADDITIONAL STREET LIGHTING.
- 3. SEE SIGNING PLANS S1152 TO S1155 FOR SPAN WIRE MOUNTED SIGNS.
- 4. SEE SG982 TO SG984 FOR INTERCONNECT AND ITS PLAN.
- 5. SEE INTERSECTION WIRING NOTES AND SCHEDULES ON SHEET SG852.
- 6. SEE INTERSECTION WIRE TERMINATIONS ON SHEETS SG881 AND SG882.

CONSTRUCTION NOTES:

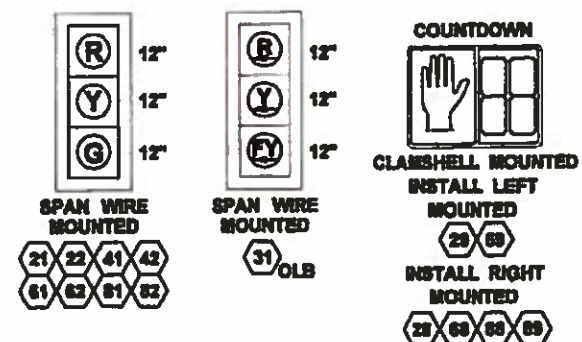
- 1. INSTALL TERMINAL CABINETS AND CONDUIT RISERS ON WOOD POLE. SEE DETAIL 2 ON SHEET 753.
- 2. REMOVE SECANT PILE WALL TO THE POLE FOUNDATION DEPTH. BACKFILL EXCAVATION USING CDF PER COS STD SPEC 2-10.2(3)A3. CONTRACTOR IS NOT REQUIRED TO VACTOR FOR POLE EMBEDMENT WHERE SECANT PILE WALL HAS BEEN REMOVED AND BACKFILLED WITH CDF.
- 3. INSTALL SPAN WIRE PER COS STD PLAN 601a. MOUNT SPAN WIRE AT HEIGHT THAT ALLOWS FOR A 17'-19" CLEARANCE TO THE BOTTOM OF THE SIGNAL HEADS.
- 4. INSTALL JOINT SIGNAL CONTROLLER/SERVICE CABINET FOUNDATION AT STA 707+95, 44.0' R PER COS STD PLAN NO 501b. INSTALL COS FURNISHED CONTROLLER CABINET. DOOR SHALL FACE EAST. INSTALL SERVICE METER CABINET ON SERVICE CABINET FOUNDATION. SCL DOOR SHALL FACE WEST.
- 5. INSTALL VIDEO DETECTION CAMERA ON NEW WOOD POLE. SEE DETAIL 1 ON SHEET SG753. COORDINATE WITH SDOT FOR PROGRAMING OF VIDEO DETECTION ZONES. PROVIDE 10 DAYS NOTICE.
- 6. INSTALL TYPE 2 SECONDARY SERVICE TERMINATION HANDHOLE PER SCL STD 1561.09.
- 7. INSTALL CONDUITS PER SCL 0224.07. INSTALL CONDUIT IN ACCORDANCE WITH SCL 0222.02 (LOOP RADIAL STANDARDS). ROUTE CONDUIT TO WOOD POLE AND INSTALL STEEL CONDUIT RISER PER SCL 0224.34.
- 8. INSTALL OPTICOM EMERGENCY VEHICLE PREEMPTION DETECTION TYPE 721 ON SPAN WIRE PER MANUFACTURERS RECOMMENDATION.
- 11. SEE ILLUMINATION PLANS FOR SECONDARY DISTRIBUTION HANDHOLE INSTALLATION.
- 12. ROUTE CONDUIT TO POLE AND INSTALL CONDUIT RISER PER SDOT STD PLAN 580.

REMOVAL NOTES:

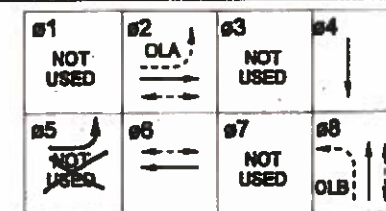
- 1. REMOVE SIGNAL HEAD.
- 2. REMOVE ALL PEDESTRIAN SIGNAL HEADS, PUSH BUTTONS, AND DETECTION CAMERAS FROM POLE OR COLUMN.
- 5. REMOVE ALL PEDESTRIAN SIGNAL HEADS, PUSHBUTTONS, REMOVE PEDESTRIAN SIGNAL POLE AND FOUNDATION
- 7. REMOVE EXISTING TIMBER POLE AND ANY ASSOCIATED GUY WIRES, CONDUIT RISERS, SIGNAL HEADS, PEDESTRIAN HEADS, PUSH BUTTONS, DETECTION CAMERAS AND SPAN WIRES CONNECTED TO THE POLE AND ABANDON CONDUITS.
- 8. REMOVE EXISTING CONTROLLER CABINET AND SALVAGE, COORDINATE WITH SCL FOR SERVICE CONDUCTOR DISCONNECT.



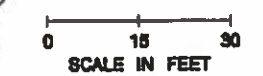
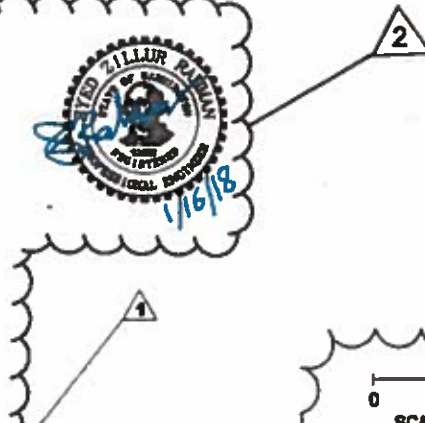
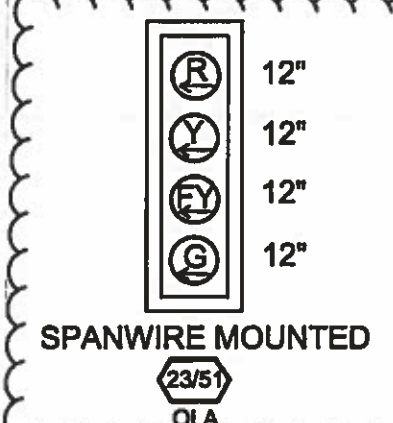
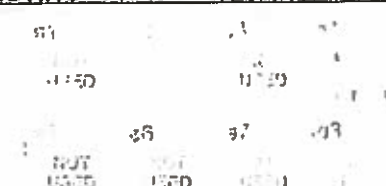
SIGNAL HEAD DISPLAY



PROPOSED PHASE SEQUENCE DIAGRAM



EXISTING PHASE SEQUENCE DIAGRAM



FILE NAME: XL7999-ALL-148G882.dwg	DESIGN NO. STATE: 10 WASH	FED.AID PROJ.NO.:					SR 99 TUNNEL PROJECT CONTRACT PACKAGE 14	SG882
TIME: 2:01:43 PM	DATE: 10/10/2017	BR-0098(111)						
DESIGNED BY: J. RADUENZ	DATE: 01/08/2018	CONTRACT NO.:	10/11/2017					
ENTERED BY: J. RADUENZ	DATE: 06/06/2017	LOCATION NO.:						
CHECKED BY: J. PRZYCHODZEN	REVISION: NDC 086 - STREET RESTORATION MODIFICATIONS	DATE BY:						
PROJ. ENGR. R. JOHNSON								
REGIONAL ADM. L. LAIRD								

WIRING SCHEDULE - S JACKSON ST

Table with columns: SPAN WIRE OR CONDUIT SIZE, VEHICLE/PEDESTRIAN (10C, 5C, 7C), PPB's (1PR (SH)), LIGHTING (#2 TRIPLEX 1-#2GRD), SERVICE, GND, PRE-EMPT (M138), VIDEO DETECTION (3PR (SH)), INTER-CONNECT (12 5MFO), REMARKS. Rows 1-31.

- 1. INSTALL CONDUIT RISER ON WOOD POLE IN ACCORDANCE WITH COS STD PLAN 580
2. INSTALL CONDUIT RISER ON WOOD POLE IN ACCORDANCE WITH SCL STD 0224.34
3. INSTALL PER LOOPED RADIAL STANDARDS, SEE SCL 0224.07
4. INSTALL CONDUIT ON LOAD SIDE OF SERVICE CABINET
5. SERVICE WIRING FROM SCL DISTRIBUTION HANDHOLE TO TYPE 2 TERMINATION HANDHOLE PER SCL STANDARDS
6. COIL 10' OF WIRING IN TYPE 2 TERMINATION HANDHOLE, SCL TO MAKE FINAL CONNECTION.
7. SEE SG952 TO SG954 FOR FIBER INTERCONNECT ROUTING
8. GROUND WIRE DIRECT BURIED PER SCL 0233.05
9. SIGNAL SERVICE WIRE CONTINUES ON STREET LIGHT POLES TO KING STREET INTERSECTION
10. STREET LIGHT WIRING SHALL BE CONSTRUCTED AS A SEPARATE SPAN AND INSTALLED PER SCL 1712.00. SCL SPAN WIRE SHALL MAINTAIN 40" OF SEPARATION FROM SIGNAL SPAN WIRE.



(PPB) PUSHBUTTON MOUNTING SCHEDULE - S JACKSON ST

Table with columns: PPB NO, POLE NO, LOCATION (CLOCKWISE 0° = ALASKAN WAY NORTHBOUND), SIGN ARROW DIRECTION, ACCESSIBLE PEDESTRIAN SIGNAL (APS) (RAPID TICK, CUSTOM MESSAGE). Rows PPB21-PPB22, PPB61-PPB62, PPB81-PPB82.

SEE COS STD PLAN 522b FOR APS PEDESTRIAN PUSHBUTTON ASSEMBLY

(P) POLE/PEDESTAL SCHEDULE - S JACKSON ST

Table with columns: POLE NO, STATION/LOCATION AND OFFSET, POLE TYPE, FOUNDATION TYPE, POLE SHAFT LENGTH (FT), GUY TYPE, LUMINAIRE ARM LENGTH (FT), LUMINAIRE TYPE, BRACKET ARM MOUNTING HEIGHT (FT), NOTES. Rows PS21-PS24A.

- 1. SEE SCL CONSTRUCTION STANDARD D6-4 FOR GUY WIRE INSTALLATION.
2. TERMINAL CABINET SHALL CONFORM TO SDOT STANDARD SPECIFICATIONS 9-32.11(5), CABINET SHALL BE MOUNTED AT THE HEIGHT OF 12' FROM FINISHED GRADE
3. LUMINAIRE SHALL CONFORM TO SEATTLE CITY LIGHT MATERIAL STANDARD NO 5723.71
4. WOOD POLES SHALL CONFORM TO SEATTLE CITY LIGHT CONSTRUCTION STANDARDS 0100.07 AND SCL MATERIAL STANDARD 5072.00
5. ALUMINUM PEDESTAL POLES SHALL CONFORM TO COS STANDARD SPECIFICATION 9-33.5(2)
6. PEDESTRIAN PUSHBUTTON POSTS SHALL CONFORM TO COS STANDARD SPECIFICATIONS 9-33.6 AND STD PLAN 521

PANEL SCHEDULE - S JACKSON ST

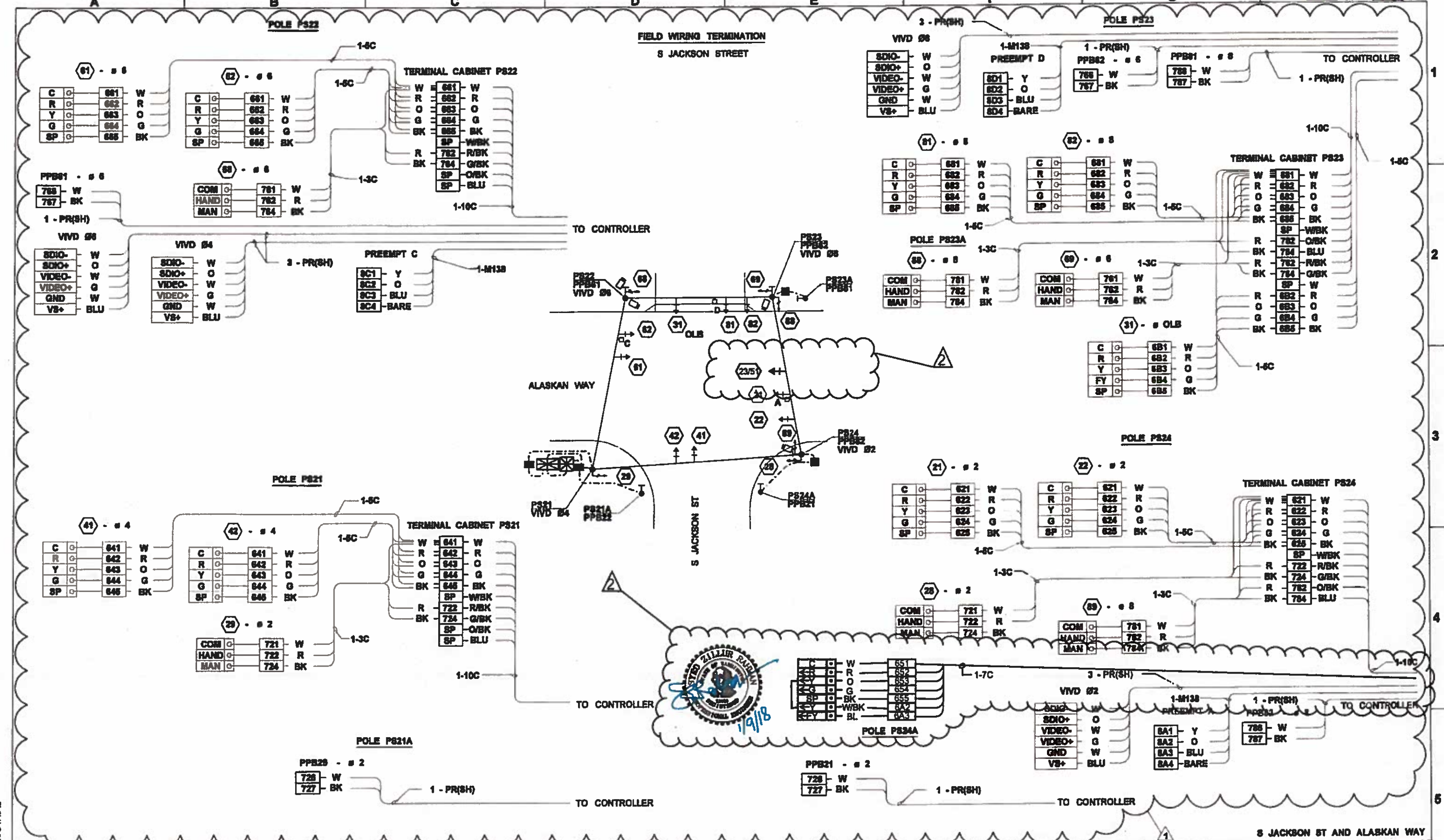
Table with columns: LOCATION: S JACKSON ST AND ALASKAN WAY, POWER SOURCE: VAULT V629, 120/240 VOLT 1 PHASE, 3 WIRE, 60 AMP MAIN BREAKER. Rows 1-11.

S JACKSON ST AND ALASKAN WAY

Project information table including: FILE NAME (X17999-ALL-148G852.dwg), TIME (2:03:08 PM), DATE (10/18/2017), DESIGNED BY (J. RADUENZ), CHECKED BY (J. PRZYCHOZEN), REGIONAL ADM. (L. LAIRD), REVISION, DATE, BY.

Logos and stamps: WASHINGTON STATE DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION, CITY OF SEATTLE, SEATTLE TUNNEL PARTNERS, RELEASED FOR CONSTRUCTION, dated 10/11/17.

Project identification table: SR 99 TUNNEL PROJECT CONTRACT PACKAGE 14, STREET RESTORATION SCHEDULES, SG852, SHEET OF SHEETS.



14-D-MAC-0284-T02-11-00000-14-RFC-1710-12

FILE NAME XL799-ALL-148G861.dwg	TIME 2:03:28 PM	DATE 10/10/2017	DESIGNED BY J. RADUENZ	ENTERED BY J. RADUENZ	CHECKED BY J. PRZYCHODZEN	PROJ. ENGR. R. JOHNSON	REGIONAL ADM. L. LAIRD	REVISION	DATE	BY	NO. STATE 10 WASH	FED.AID PROJ.NO. BR-0099(111)	 	SR 99 TUNNEL PROJECT CONTRACT PACKAGE 14	SG861
											10/11/17	RELEASED FOR CONSTRUCTION	STREET RESTORATION WIRE DIAGRAM		SHEET OF SHEETS

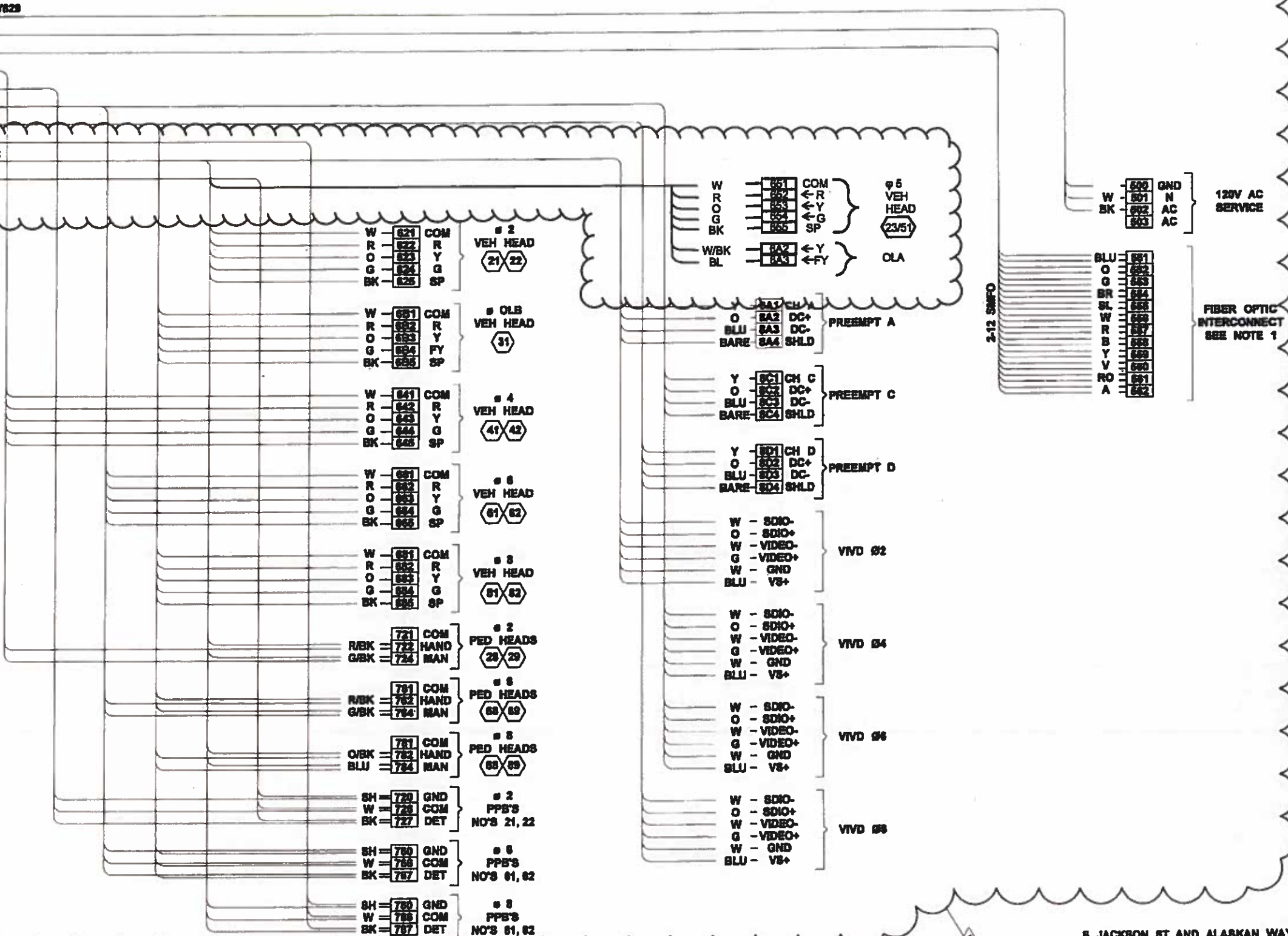
CABINET WIRE TERMINATIONS
8 JACKSON STREET

JACKSON STREET
INTERSECTION SEE
SHEET 80801 FOR
FIELD WIRE
TERMINATIONS

- SERVICE - 2-#8, 1-#6GND - SERVICE POINT VAULT V829
- INTERCONNECT - FROM 8 KING ST
- INTERCONNECT - FROM YEBLER
- POLE P821 - 1-10C, 1-3PR(SH)
- POLE P821A - 1-PR(SH)
- POLE P822 - 2-10C, 1-3PR(SH), 1-PR(SH), 1-M138
- POLE P823 - 1-10C, 1-5C, 1-3PR(SH), 1-M138, 1-PR(SH)
- POLE P823A - 1-PR(SH)
- POLE P824 - 1-10C, 1-3PR(SH), 1-M138, 1-PR(SH), 1-5C
- POLE P824A - 1-PR(SH)



2



CABINET WIRE TERMINATION NOTES

1. CONTRACTOR TO PROVIDE FIBER INTERCONNECT. FINAL TERMINATION OF INTERCONNECT TO BE DONE BY SDOT. SDOT TO PROVIDE ALL NECESSARY CABINET EQUIPMENT.

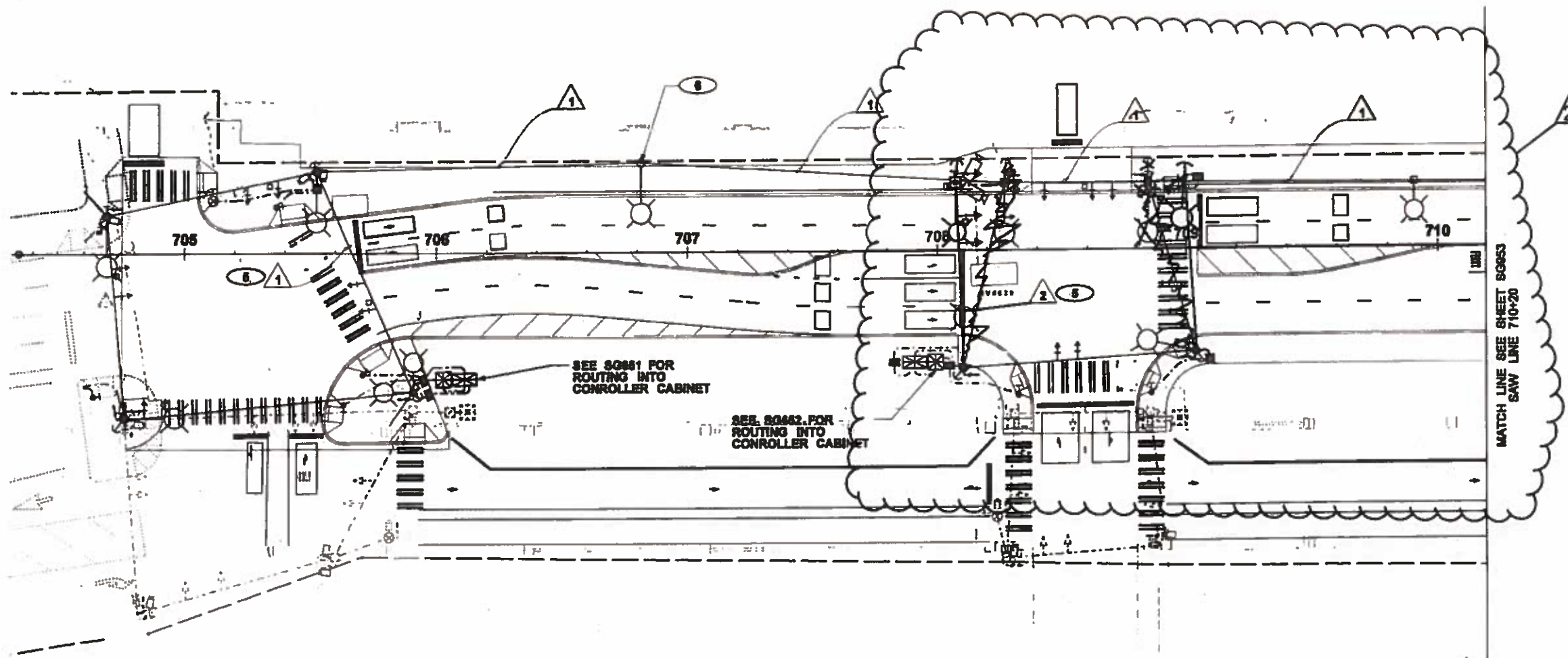
8 JACKSON ST AND ALASKAN WAY

FILE NAME: XL7999-ALL-1490882.dwg	TIME: 2:03:37 PM	DATE: 10/10/2017	DESIGNED BY: C. GROVE	ENTERED BY: D. BRINKMANN	CHECKED BY: J. PRZYCHODZEN	PROJ. ENGR: R. JOHNSON	REGIONAL ADM: L. LAIRD	REVISION	DATE	BY	FED.AID PROJ.NO.: BR-0099(111)	LOCATION NO.	WASHINGTON STATE DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION CITY OF SEATTLE	SR 99 TUNNEL PROJECT CONTRACT PACKAGE 14	STREET RESTORATION WIRE DIAGRAM	SG862

14-D-PAC-CEN-TRE-11-00000-14-PRC-17/16-12

GENERAL NOTES:

1. SEE SHEETS GN051 AND GN052 FOR GENERAL NOTES, LEGEND, AND ABBREVIATIONS.
2. SEE SG051 TO SG056 FOR SIGNAL PLANS AND INTERCONNECT ROUTING TO THE CONTROLLER CABINET.
3. SEE INTERSECTION WIRE TERMINATIONS ON SHEETS SG050 AND SG050 FOR INTERCONNECT TERMINATION.



INTERCONNECT WIRE NOTES

WIRE NO.	SPAN OR CONDUIT SIZE	WIRES	COMMENTS
1	SPAN	1-12 STRAND SMFO	SIGNAL INTERCONNECT
2	SPAN	2-12 STRAND SMFO	

CONSTRUCTION NOTES:

- 1. SEE SIGNAL PLANS FOR ROUTING FIBER INTERCONNECT INTO CONTROLLER CABINET.
- 2. INSTALL COMMUNICATION BRACKET PER SCL 0093.06 AND ATTACH WIRING PER WIRE NOTES. SEE ILLUMINATION PLAN FOR WOOD POLE INSTALLATION.

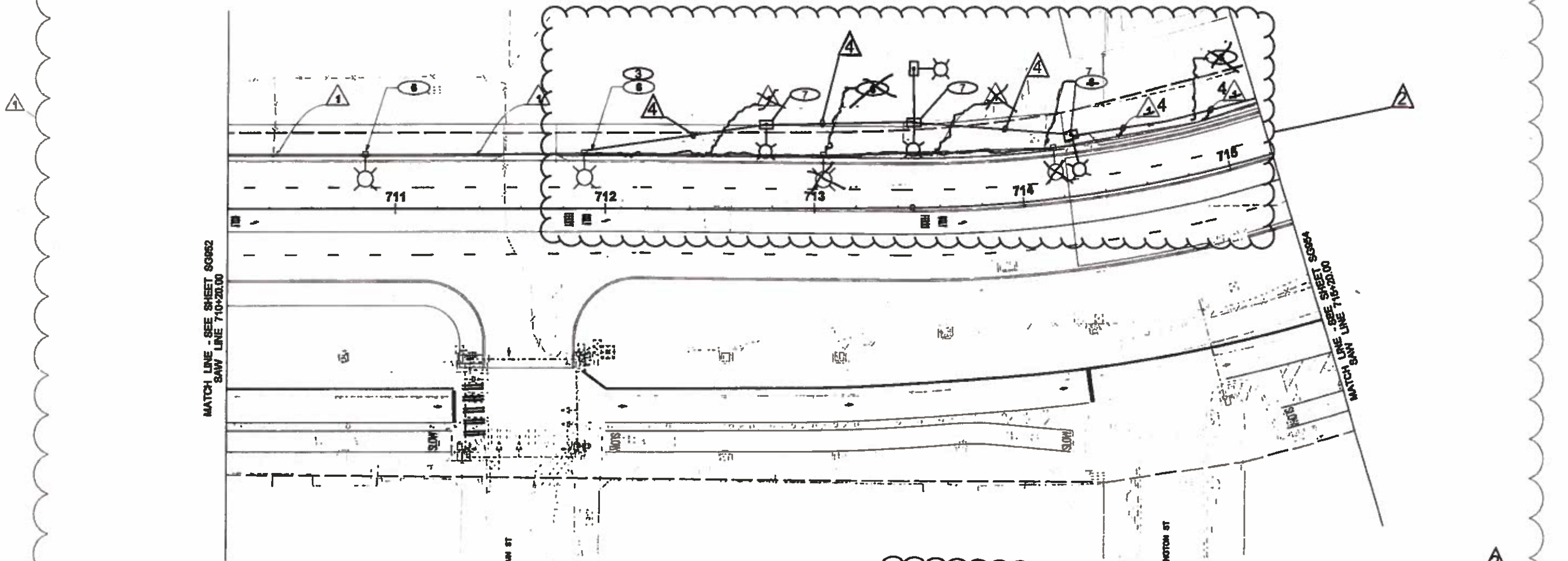


H:\0-PAK-GEN\TR2.11-00000-14-RFD-1710-12

FILE NAME: XL7999-ALL-14SG053.dwg TIME: 2:03:48 PM DATE: 10/10/2017 PLOTTED BY: mmarford DESIGNED BY: J. RADUENZ ENTERED BY: J. RADUENZ CHECKED BY: J. PRZYCHODZEN PROJ. ENGR.: R. JOHNSON REGIONAL ADM.: L. LAIRD	REVISION: RFI-04147 DATE: 01/09/2018 BY: SZR REVISION: MDC 096 - STREET RESTORATION MODIFICATIONS DATE: 08/08/2017 BY: JP	REGION NO.: 10 STATE: WASH JOB NUMBER: CONTRACT NO.: LOCATION NO.:	FED.AID PROJ.NO.: BR-0099(111)		SEATTLE TUNNEL PARTNER RELEASED FOR CONSTRUCTION	Washington State Department of Transportation U.S. Department of Transportation Federal Highway Administration City of Seattle	SR 99 TUNNEL PROJECT CONTRACT PACKAGE 14 STREET RESTORATION INTERCONNECT PLAN	SG052 SHEET OF SHEETS
--	--	--	--------------------------------	--	---	--	---	--------------------------

GENERAL NOTES:

1. SEE SHEETS GN051 AND GN062 FOR GENERAL NOTES, LEGEND, AND ABBREVIATIONS.
2. SEE SG651 TO SG656 FOR SIGNAL PLANS AND INTERCONNECT ROUTING TO THE CONTROLLER CABINET.
3. SEE INTERSECTION WIRE TERMINATIONS ON SHEETS SG659 AND SG660 FOR INTERCONNECT TERMINATION.



INTERCONNECT WIRE NOTES			
WIRE NO.	SPAN OR CONDUIT SIZE	WIRES	COMMENTS
1	SPAN	1-12 STRAND SMFO	SIGNAL INTERCONNECT
2	SPAN	1-12 STRAND SMFO	SIGNAL INTERCONNECT
4	SPAN	1-12 STRAND SMFO	INSTALLED BY OTHERS

CONSTRUCTION NOTES:

- 1. SEE SIGNAL PLANS FOR ROUTING FIBER INTERCONNECT INTO CONTROLLER CABINET.
- 2. INSTALL COMMUNICATION BRACKET PER SCL 0093.06 AND ATTACH WIRING PER WIRE NOTES. SEE ILLUMINATION PLAN FOR WOOD POLE INSTALLATION.

3. COIL 900' OF FIBER INTERCONNECT ON THE POLE. COORDINATE WITH WSDOT THE ROUTING OF THE FIBER INTERCONNECT FROM THE EXISTING POLE TO THE YESLER CONTROLLER CABINET. COORDINATE FINAL TERMINATION AND TESTING PER COS STD SPEC 8-31.3 (19)

7. INSTALL COMMUNICATION BRACKET PER SCL 0093.06 ON EXISTING WOOD POLE (INSTALLED BY OTHERS). ATTACH WIRING PER WIRE NOTES.



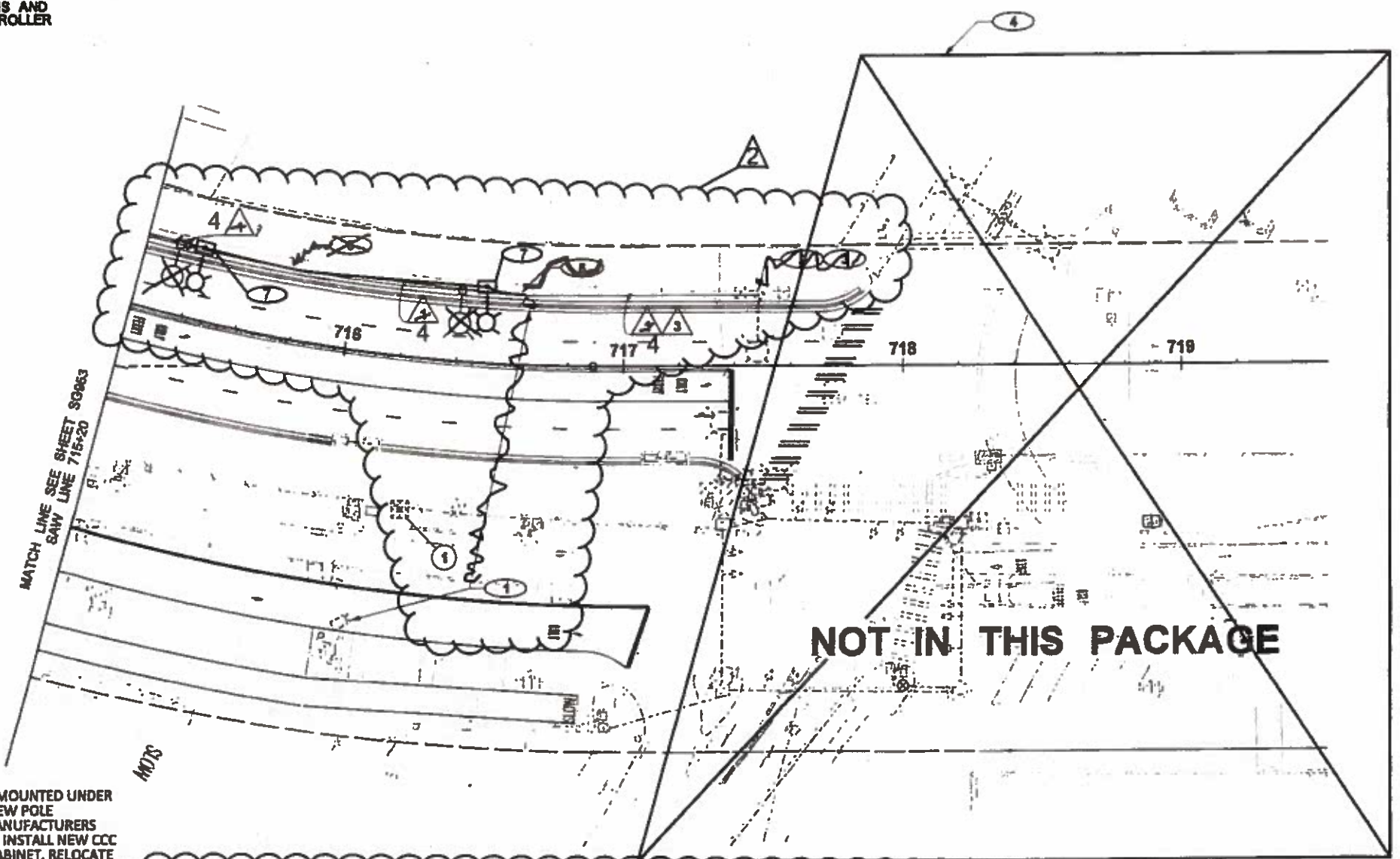
0 25 50
SCALE IN FEET

14-0-PAK-GEN-TR2.11-00000-14-RFC-17 10-12

FILE NAME: XL7993-REC-14SG963.DWG	TIME: 2:03:55 PM	DATE: 10/10/2017	PLOTTED BY: mcorford	DESIGNED BY: J. RADUENZ	ENTERED BY: J. RADUENZ	CHECKED BY: J. PRZYCHODZEN	PROJ. ENGR: R. JOHNSON	REGIONAL ADM: L. LAIRD	REVISION: 1	DATE: 01/09/2018	BY: SZR	REGION NO: 10	STATE: WASH	FED.AID PROJ.NO: BR-0099(111)	CONTRACT NO: [blank]	LOCATION NO: [blank]	 RELEASED FOR CONSTRUCTION Date: 10/10/17 Initial of DOAM: [initials]	 Washington State Department of Transportation U.S. Department of Transportation Federal Highway Administration City of Seattle	SR 99 TUNNEL PROJECT CONTRACT PACKAGE 14 STREET RESTORATION INTERCONNECT PLAN	SG963 SHEET OF SHEETS
-----------------------------------	------------------	------------------	----------------------	-------------------------	------------------------	----------------------------	------------------------	------------------------	-------------	------------------	---------	---------------	-------------	-------------------------------	----------------------	----------------------	--	--	--	--------------------------------

GENERAL NOTES:

- 1. SEE SHEETS GN051 AND GN052 FOR GENERAL NOTES, LEGEND, AND ABBREVIATIONS.
- 2. SEE SG851 TO SG858 FOR SIGNAL PLANS AND INTERCONNECT ROUTING TO THE CONTROLLER CABINET.



CONSTRUCTION NOTES:

- 1. RELOCATE EXISTING COHU CCTV CAMERA MOUNTED UNDER VIADUCT TO NEW WOOD POLE. SUPPLY NEW POLE MOUNTING BRACKET AND INSTALL PER MANUFACTURERS RECOMMENDATIONS. VERIFY CCC TYPE AND INSTALL NEW CCC FROM CAMERA TO YESLER CONTROLLER CABINET. RELOCATE EXISTING CCTV CONTROLLER TO YESLER SIGNAL CONTROLLER CABINET. RELOCATION SHALL BE COORDINATED WITH WSDOT PRIOR TO ANY WORK. CAMERA OUTAGE SHALL BE LIMITED TO 1 HAT.
- 2. COIL 100' OF CCC CABLE ON EXISTING SIGNAL STRAIN POLE. COORDINATE WITH WSDOT THE ROUTING OF THE CCC FROM POLE TO YESLER CONTROLLER CABINET. COORDINATE FINAL TERMINATION AND TESTING PER COS STD SPEC 8-31.3(19).
- 3. COIL 300' OF FIBER INTERCONNECT ON EXISTING SIGNAL STRAIN POLE. COORDINATE WITH WSDOT THE ROUTING OF THE FIBER INTERCONNECT FROM THE EXISTING POLE TO THE YESLER CONTROLLER CABINET. COORDINATE FINAL TERMINATION AND TESTING PER COS STD SPEC 8-31.3(19).
- 4. YESLER TRAFFIC SIGNAL TO BE INSTALLED BY OTHERS. COORDINATE WITH WSDOT TO DETERMINE FINAL LOCATION OF SIGNAL EQUIPMENT, POLES AND CONDUITS.
- 5. INSTALL COMMUNICATION BRACKET PER SCL 0093.06 AND ATTACH WIRING PER WIRE NOTES. SEE ILLUMINATION PLAN FOR WOOD POLE INSTALLATION.
- 7. INSTALL COMMUNICATION BRACKET PER SCL 0093.06 ON EXISTING WOOD POLE (INSTALLED BY OTHERS). ATTACH WIRING PER WIRE NOTES.
- 1. REMOVE CAMERA CONTROLLER CABINET AND SALVAGE, COORDINATE WITH SCL (SOUTH) FOR SERVICE DISCONNECT.

REMOVAL NOTES:

INTERCONNECT WIRE NOTES			
WIRE NO.	SPAN OR CONDUIT SIZE	WIRES	COMMENTS
1	SPAN	1-12 STRAND SMFO	SIGNAL INTERCONNECT
3	SPAN	1-CCO	
4	SPAN	1-12 STRAND SMFO	INSTALLED BY OTHERS



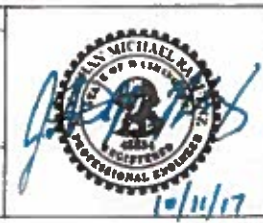
SCALE IN FEET

140-PW-CEN-T102.11-00889-14-RFC-1710-12

FILE NAME	XL7999-ALL-1480954.dwg
TIME	2:04:01 PM
DATE	10/10/2017
PLOTTED BY	mmarford
DESIGNED BY	J. RADUENZ
ENTERED BY	J. RADUENZ
CHECKED BY	J. PRZYCHODZEN
PROJ. ENGR.	R. JOHNSON
REGIONAL ADM.	L. LAIRD

RFI-04147	01/09/2018	SZR
NDC 098 - STREET RESTORATION MODIFICATIONS	08/08/2017	JP
REVISION	DATE	BY

FED. AID PROJ. NO.	BR-0099(111)
LOCATION NO.	

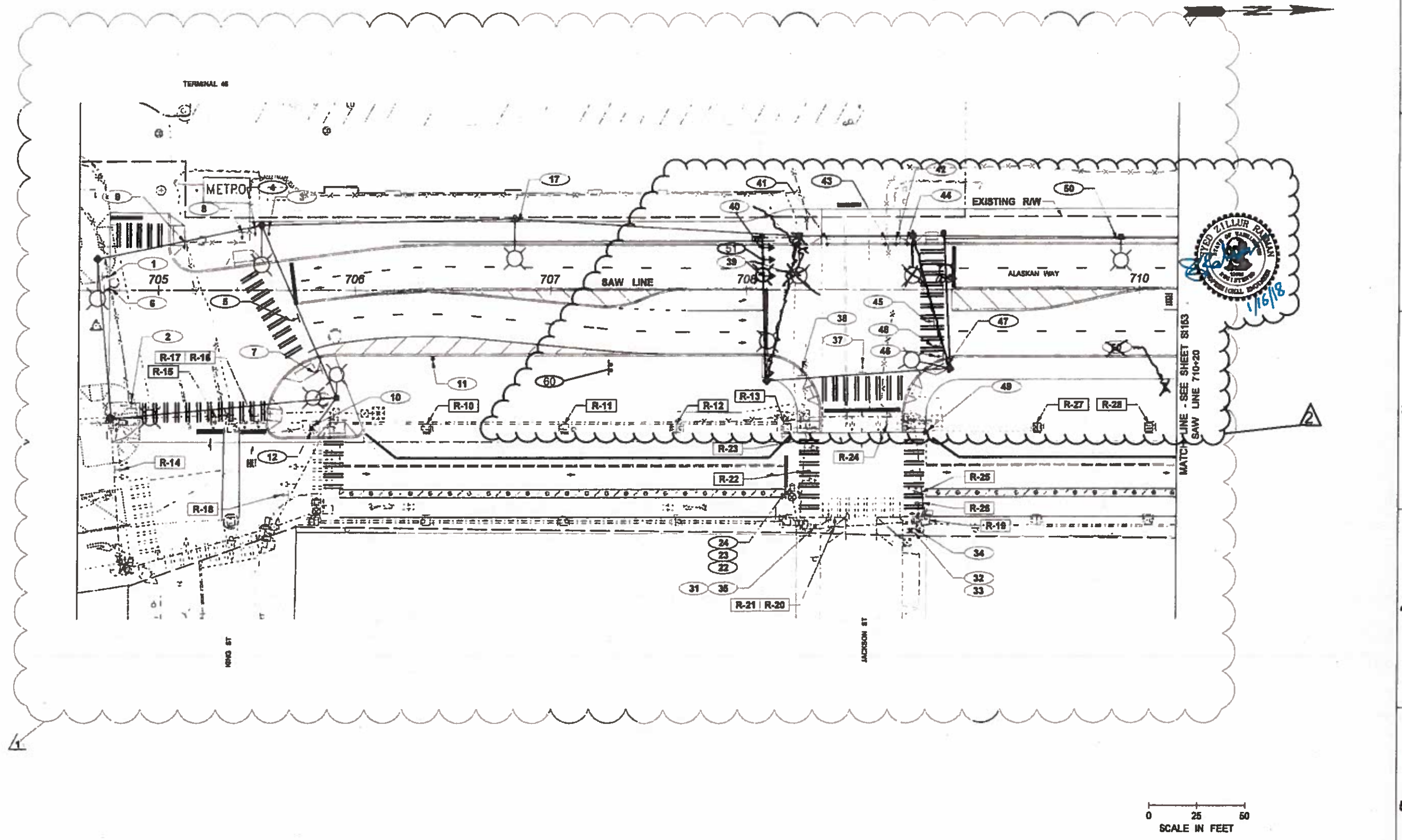


SEATTLE TUNNEL PARTNERS
 10/2/17
 Date Initials of DOAM
RELEASED FOR CONSTRUCTION



SR 99 TUNNEL PROJECT CONTRACT PACKAGE 14	SG954
STREET RESTORATION INTERCONNECT PLAN	SHEET OF SHEETS

A B C D E F G H



H:\PAC-GEN-TRD-11-62086-14-PC-1776-12

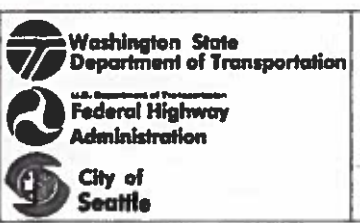
FILE NAME	XL7999-ALL-14S1152.dwg
TIME	2:04:10 PM
DATE	10/10/2017
PLOTTED BY	mmorford
DESIGNED BY	R. KITTLE
ENTERED BY	R. GREENLEE
CHECKED BY	P. CHU
PROJ. ENGR.	R. JOHNSON
REGIONAL ADM.	L. LAIRD

RFI-04147	01/09/2018	SZR
NDC 096 - STREET RESTORATION MODIFICATIONS	06/09/2017	PC
REVISION	DATE	BY

REGION	STATE	FED.AID PROJ.NO.
10	WASH	BR-0099(111)
JOB NUMBER	LOCATION NO.	
CONTRACT NO.		

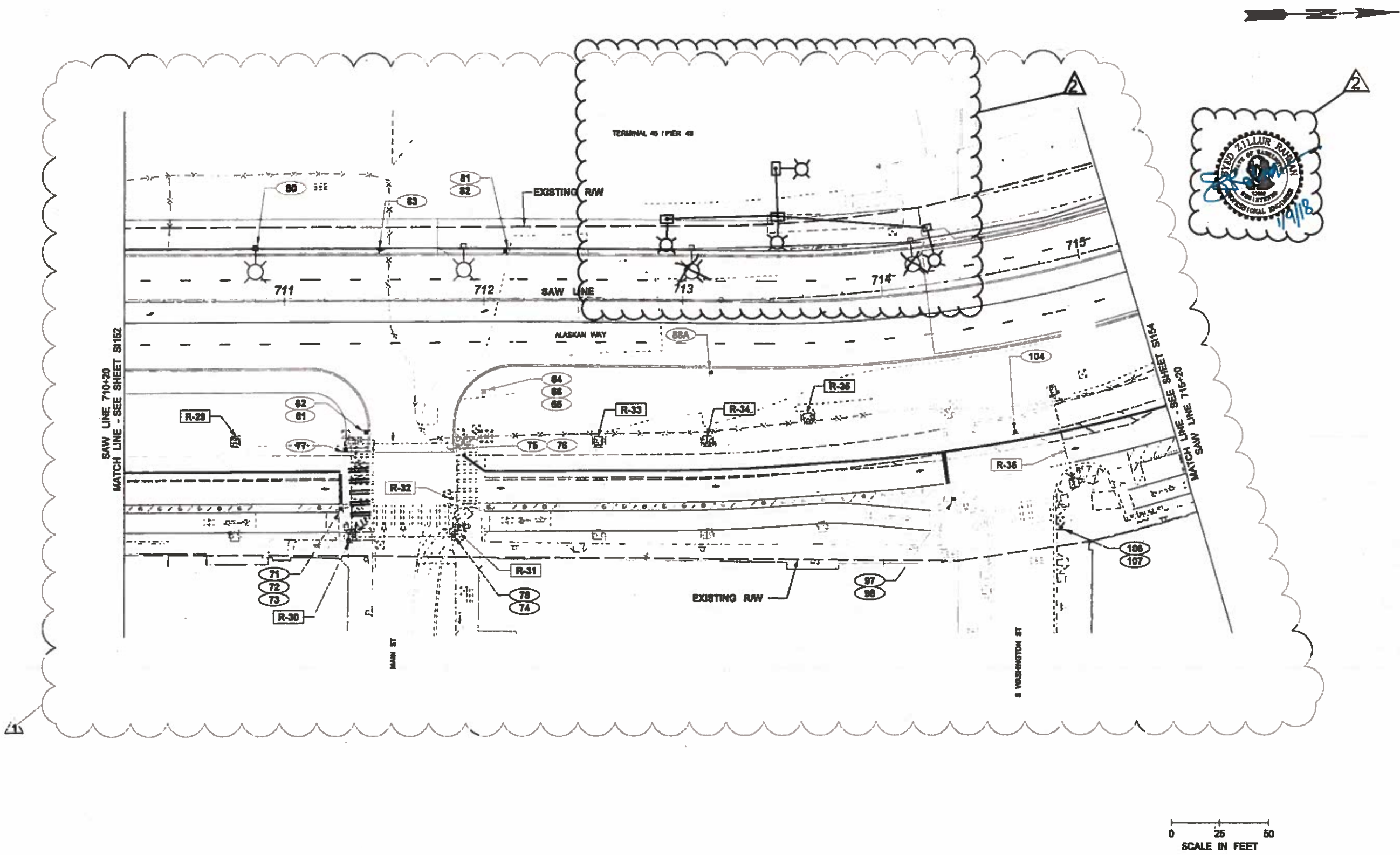


SEATTLE TUNNEL PARTNERS
 10/10/17
 Initial of DOAM
RELEASED FOR CONSTRUCTION



SR 99 TUNNEL PROJECT CONTRACT PACKAGE 14	S1152
STREET RESTORATION SIGNING PLAN	SHEET OF SHEETS

A B C D E F G H



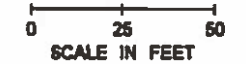
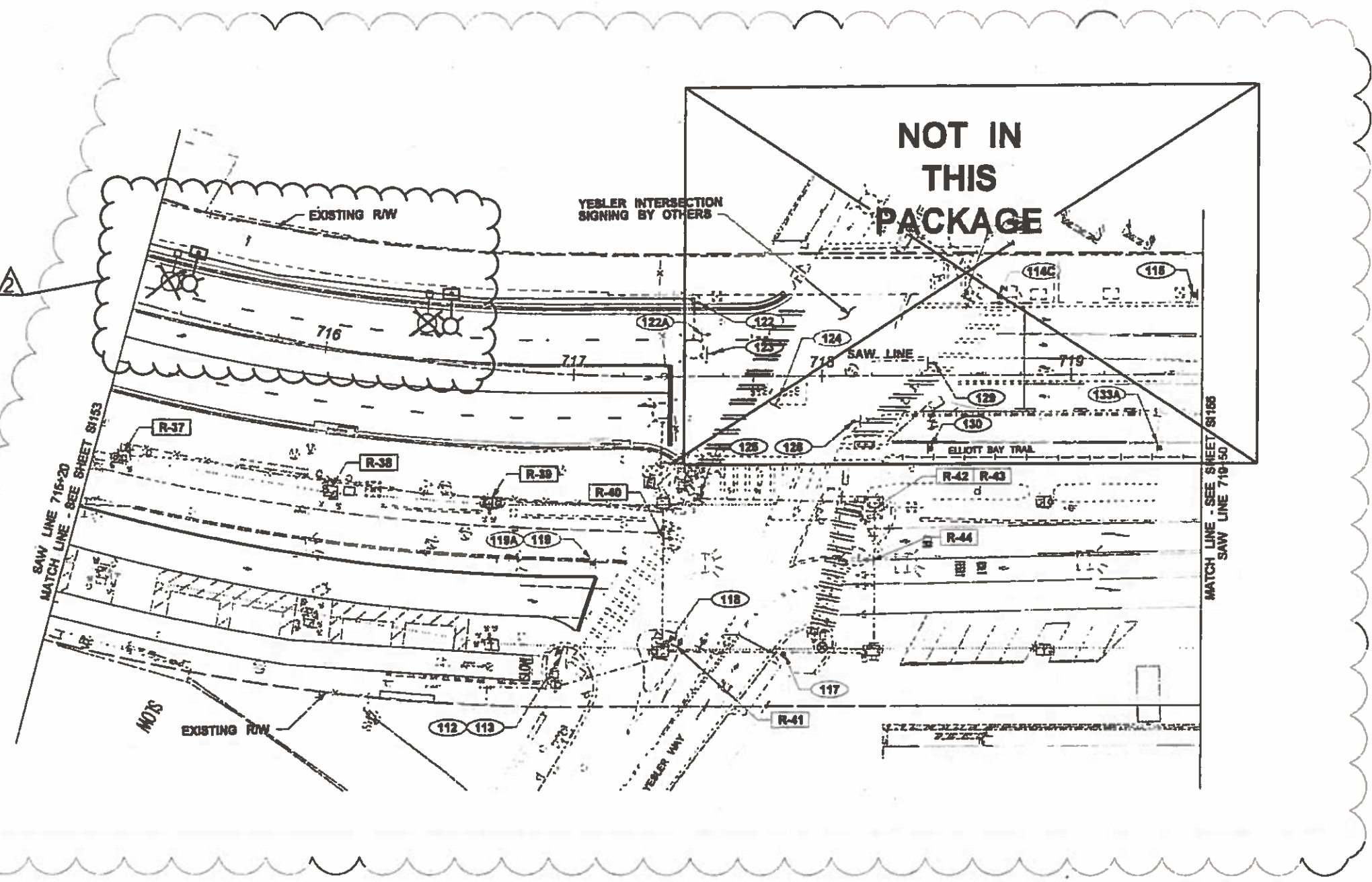
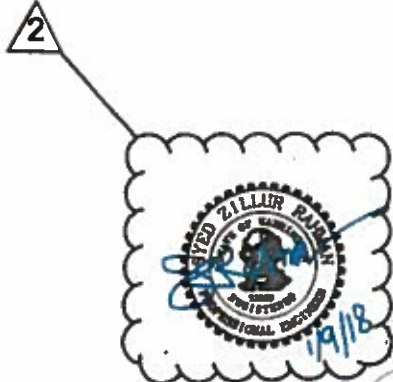
0 25 50
SCALE IN FEET

H-D:\PAC-GIS\TR2-11-2009-14\FPC-1718-13

FILE NAME XL7999-ALL-148163.dwg	TIME 2:04:18 PM	DATE 10/10/2017	PLOTTED BY rmerford	DESIGNED BY R. KITTLER	ENTERED BY R. GREENLEE	CHECKED BY P. CHU	PROJ. ENGR. R. JOHNSON	REGIONAL ADM. L. LAIRD	REVISION	DATE	BY	<table border="1"> <tr> <th>REVISION NO.</th> <th>STATE</th> <th>FED.AID PROJ.NO.</th> </tr> <tr> <td>10</td> <td>WASH</td> <td>BR-0099(111)</td> </tr> <tr> <td colspan="3">LOCATION NO.</td> </tr> </table>	REVISION NO.	STATE	FED.AID PROJ.NO.	10	WASH	BR-0099(111)	LOCATION NO.			 	SR 99 TUNNEL PROJECT CONTRACT PACKAGE 14 STREET RESTORATION SIGNING PLAN	S1163 SHEET OF SHEETS
REVISION NO.	STATE	FED.AID PROJ.NO.																						
10	WASH	BR-0099(111)																						
LOCATION NO.																								

A B C D E F G H

1
2
3
4
5



FILE NAME	XL7999-ALL-148H64.dwg			REGION NO.	STATE	FED.AID PROJ.NO.	
TIME	2:04:30 PM			10	WASH	BR-0099(111)	
DATE	10/10/2017			JOB NUMBER			
PLOTTED BY	rnsa/rford			CONTRACT NO.		LOCATION NO.	
DESIGNED BY	R. KITTLER			REVISION	DATE	BY	
ENTERED BY	R. GREENLEE			2	RF1-04147	01/09/2018	SZR
CHECKED BY	P. CHU			1	NDC 006 - STREET RESTORATION MODIFICATIONS	08/08/2017	PC
PROJ. ENGR.	R. JOHNSON						
REGIONAL ADM.	L. LAIRD						

SEATTLE TUNNEL PARTNERS

Date: 10/21/17
InBeh of DGAM

RELEASED FOR CONSTRUCTION

Washington State Department of Transportation

Federal Highway Administration

City of Seattle

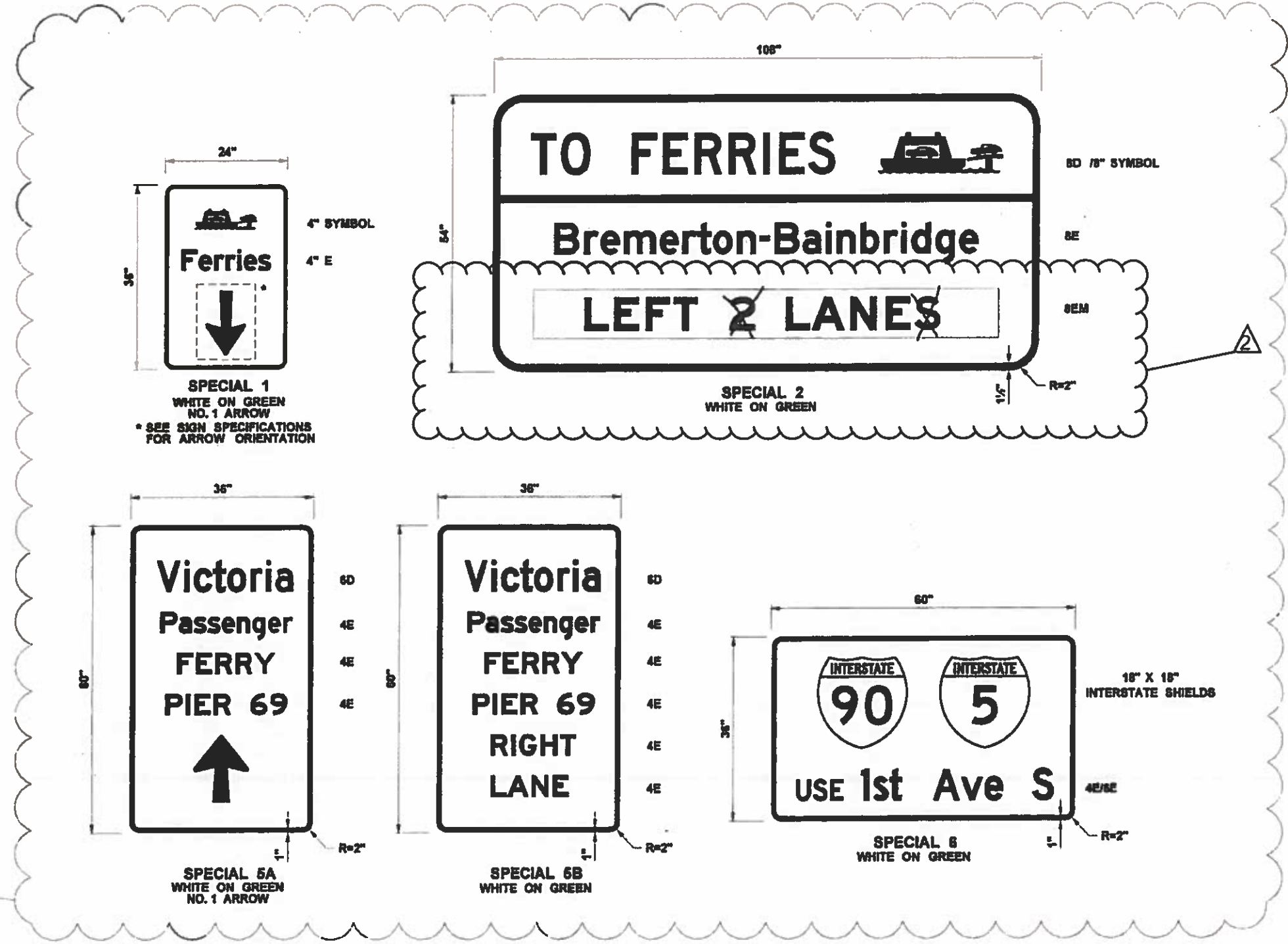
**SR 99 TUNNEL PROJECT
CONTRACT PACKAGE 14**

**STREET RESTORATION
SIGNING PLAN**

S1154
SHEET
OF
SHEETS

H:\PAC-GEN-TRN\11-00000-14-PPC-1710-12

A B C D E F G H

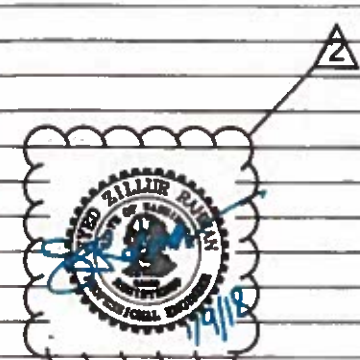


H:\P\AK-028-TR2.11-0288-14-RFC-170-12

FILE NAME XL7999-ALL-148781.dwg	TIME 2:08:05 PM	DATE 10/10/2017	DESIGNED BY P. CHU	ENTERED BY D. BRINKMANN	CHECKED BY K. KNORR	PROJ. ENGR. R. JOHNSON	REGIONAL ADM. L. LAIRD	REVISION	DATE	BY	REASON NO.	STATE	FED.AID PROJ.NO. BR-0099(111)	LOCATION NO.						SR 99 TUNNEL PROJECT CONTRACT PACKAGE 14	SI751
								1	08/08/2017	PC	NDG 008 - STREET RESTORATION MODIFICATIONS	10	WASH		10/12/17						
RELEASED FOR CONSTRUCTION																					
STREET RESTORATION SIGN DETAILS																					

SIGN SPECIFICATIONS

SIGN #	SIGN CODE	SIGN DESCRIPTION	STA LOCATION (OR MP)	SIGN SIZE		SHEETING TYPE	LETTER SIZE OR CODE	POST MATERIAL	POST SIZE	POST LENGTH				CLEARANCE		REMARKS
				X	Y					H1	H2	H3	H4	V	W	
1	D3-101	S KING ST	SAW 704+70	4.5'	1.33'	III OR IV		SPANWIRE MOUNT	N/A					16.5'		
2	D3-101	ALASKAN WAY S	SAW 704+78	7'	1.33'	III OR IV		SPANWIRE MOUNT	N/A					16.5'		
3	SPECIAL 1	FERRIES (RIGHT ARROW)	SAW 705+52	2'	3'	III OR IV		LUMINAIRE POLE	N/A					7.0'		MOUNT ON LUMINAIRE POLE FACING WESTBOUND TRAFFIC
4	D3-101	ALASKAN WAY S	SAW 705+50	7'	1.33'	III OR IV		SPANWIRE MOUNT	N/A					16.5'		
5	SPECIAL 1	FERRIES (UP ARROW)	SAW 705+80	2'	3'	III OR IV		SPANWIRE MOUNT	N/A					16.5'		
6	R3-5R	RIGHT TURN ONLY	SAW 704+72	2.5'	3'	III OR IV		SPANWIRE MOUNT	N/A					16.5'		MOUNT IN LINE WITH SOUTH BOUND RIGHT TURN LANE
7	D3-101	S KING ST	SAW 705+84	4.5'	1.33'	III OR IV		SPANWIRE MOUNT	N/A					16.5'		
8	R3-5R	RIGHT TURN ONLY	SAW 705+42	2.5'	3'	III OR IV		SPANWIRE MOUNT	N/A					16.5'		
9	R3-5	LEFT TURN ONLY, EXCEPT T-46	SAW 705+13	2.5'	3'	III OR IV		SPANWIRE MOUNT	N/A					16.5'		
10	SPECIAL 1	FERRIES (LEFT ARROW)	SAW 705+79	2'	3'	III OR IV		TELESPAR	2"X2"					7.0'		MOUNT BELOW SIGN NO 12, FACING SOUTH
11	R8-3A	NO PARKING	SAW 706+40	1'	1'	III OR IV		TELESPAR	2"X2"					7.0'		
12	R6-2R	ONE WAY RIGHT	SAW 705+79	2'	2.5'	III OR IV		TELESPAR	2"X2"					7.0'		MOUNT ABOVE SIGN NO 10, FACING EAST
17	R8-3A	NO PARKING	SAW 706+81	1'	1'	III OR IV		LUMINAIRE POLE						7.0'		MOUNT ON LUMINAIRE POLE
22	R5-1	DO NOT ENTER	SAW 708+20	2.5'	2.5'	III OR IV		TELESPAR	2"X2"					7.0'		MOUNT OPPOSITE SIGN NO 23, FACING NORTH
23	R1-1	STOP	SAW 708+20	2.5'	2.5'	III OR IV		TELESPAR	2"X2"					7.0'		FACING SOUTH
24	R6-1L	ONE WAY LEFT	SAW 708+20	1'	3'	III OR IV		TELESPAR	2"X2"					7.0'		MOUNT ABOVE SIGN NO 23, FACING SOUTH
31	R8-2R	ONE WAY RIGHT	SAW 708+31	2'	2.5'	III OR IV		TELESPAR	2"X2"					7.0'		MOUNT FACING EAST
32	R6-1R	ONE WAY RIGHT	SAW 707+79	1'	3'	III OR IV		TELESPAR	2"X2"					7.0'		MOUNT ABOVE STOP SIGN NO 33, FACING EAST
33	R1-1	STOP	SAW 707+79	2.5'	2.5'	III OR IV		TELESPAR	2"X2"					7.0'		MOUNT BELOW SIGN NO 32, FACING EAST
34	R5-1	DO NOT ENTER	SAW 707+78	2.5'	2.5'	III OF IV		TELESPAR	2"X2"					7.0'		MOUNT FACING WEST OPPOSITE SIGN NO 33
35	R5-1	DO NOT ENTER	SAW 708+31	2.5'	2.5'	III OF IV		TELESPAR	2"X2"					7.0'		MOUNT FACING WEST
37	R5-1	DO NOT ENTER	SAW 708+59	2.5'	2.5'	III OR IV		SPANWIRE MOUNT	N/A					16.5'		
38	D3-101	ALASKAN WAY S	SAW 708+28	7'	1.33'	III OR IV		SPANWIRE MOUNT	N/A					16.5'		
39	R3-2	NO LEFT TURN	SAW 708+26	2.5'	2.5'	IV		SPANWIRE MOUNT	N/A					16.5'		
40	D3-101	S JACKSON ST	SAW 708+27	7'	1.33'	III OR IV		SPANWIRE MOUNT	N/A					16.5'		
41	R3-5L	LEFT TURN ONLY	SAW 708+40	2.5'	3'	III OR IV		SPANWIRE MOUNT	N/A					16.5'		
42	SPECIAL 1	FERRIES (RIGHT ARROW) (UP ARROW)	SAW 708+70	2.5'	2.5'	III OR IV		SPANWIRE MOUNT	N/A					16.5'		
43	R3-6R	RIGHT TURN, STRAIGHT ARROWS	SAW 708+69	2.5'	3'	III OR IV		SPANWIRE MOUNT	N/A					16.5'		
44	D3-101	ALASKAN WAY S	SAW 708+81	7'	1.33'	III OR IV		SPANWIRE MOUNT	N/A					16.5'		
45	SPECIAL 1	FERRIES (UP ARROW) (LEFT ARROW)	SAW 708+91	2'	3'	III OR IV		SPANWIRE MOUNT	N/A					16.5'		
46	D3-101	S JACKSON ST	SAW 708+94	7'	1.33'	III OR IV		SPANWIRE MOUNT	N/A					16.5'		

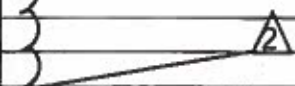


FILE NAME: XL7999-ALL-1482861.dwg	TIME: 2:08:12 PM	DATE: 10/19/2017	DESIGNED BY: P. CHU	ENTERED BY: D. BRUNGMANN	CHECKED BY: R. KITTLER	PROJ. ENGR.: R. JOHNSON	REGIONAL ADM.: L. LAIRD	RFI-04147	01/09/2018	SZR	REVISION	DATE	BY	REGION NO.: 10	STATE: WASH	FED.AID PROJ.NO.: BR-0098(111)	LOCATION NO.:	Washington State Department of Transportation	U.S. Department of Transportation Federal Highway Administration	City of Seattle	SR 99 TUNNEL PROJECT CONTRACT PACKAGE 14	STREET RESTORATION SIGN SPECIFICATIONS	81851
-----------------------------------	------------------	------------------	---------------------	--------------------------	------------------------	-------------------------	-------------------------	-----------	------------	-----	----------	------	----	----------------	-------------	--------------------------------	---------------	---	--	-----------------	--	--	-------

14-D-PAC-GEN-TRE-11-00388-14-RFC-1710-12

SIGN SPECIFICATIONS

SIGN #	SIGN CODE	SIGN DESCRIPTION	STA LOCATION (OR MP)	SIGN SIZE		SHEETING TYPE	LETTER SIZE OR CODE	POST MATERIAL	POST SIZE	POST LENGTH				CLEARANCE		REMARKS
				X	Y					H1	H2	H3	H4	V	W	
47	SPECIAL 5A	VICTORIA PASSENGER FERRY PIER 69 (UP ARROW)	SAW 709+04	3'	5'	II (B) III OR IV (LS)		LUMINAIRE POLE	N/A					12.0'		MOUNT ON LUMINAIRE/ SPAN WIRE POLE FACING NORTHBOUND TRAFFIC
48	R3-1	NO RIGHT TURN	SAW 708+94	2.5'	2.5'	III OR IV		SPANWIRE MOUNT	N/A					7.0'		
49	R6-2L	ONE WAY LEFT	SAW 708+92	2'	2.5'	III OR IV		TELESPAR	2"X2"					7.0'		
50	R8-3A	NO PARKING	SAW 709+90	1'	1'	III OR IV		LUMINAIRE POLE						7.0'		MOUNT ON LUMINAIRE POLE
51	SPECIAL 1	FERRIES (RIGHT ARROW)	SAW 708+26	2'	3'	III OR IV		SPANWIRE MOUNT	N/A					16.5'		
60	SPECIAL 2	TO FERRIES BREMERTON-BAINBRIDGE LEFT X LANEX	SAW 710+13	8'	4.5'	III OR IV		2 TELESPAR POSTS	2.5"X2.5" W/ 2.25" INSERT					7.0'		MOUNT SIGN BEHIND SIDEWALK AS NOT TO OBSTRUCT SIDEWALK PATH
61	R1-1	STOP	SAW 711+41	2.5'	2.5'	III OR IV		TELESPAR	2"X2"					7.0'		
62	R6-1L	ONE WAY LEFT	SAW 711+41	1'	3'	III OR IV		TELESPAR								MOUNT ABOVE SIGN NO 61
64	D3-101	S MAIN ST	SAW 712+00	4.5'	1.25'	II OR IV		TELESPAR								MOUNT ON POST TOP ABOVE SIGN NO 65, FACING N/S
65	R6-2R	ONE WAY RIGHT	SAW 712+00	2'	2.5'	III OR IV		TELESPAR	2.5"X2.5"					7.0'		FACING SOUTH
66	D3-101	ALASKAN WAY S	SAW 712+00	6'	1.25'	III OR IV		TELESPAR								MOUNT ON POST TOP BELOW NO 64, FACING E/W
71	R1-1	STOP	SAW 711+28	2.5'	2.5'	III OR IV		TELESPAR	2"X2"					7.0'		FACING SOUTH
72	R5-1	DO NOT ENTER	SAW 711+28	2.5'	2.5'	III OR IV		TELESPAR	2"X2"					7.0'		MOUNT OPPOSITE SIGN NO 71, FACING NORTH
73	R6-1R	ONE WAY RIGHT	SAW 711+28	1'	3'	III OR IV		TELESPAR	2"X2"					7.0'		MOUNT ABOVE SIGN 71, FACING SOUTH
74	D3-101	S MAIN ST	SAW 711+85	4.5'	1.25'	II OR IV		TELESPAR								MOUNT ON TOP OF POST ABOVE SIGN NO 78 FACING N/S
75	R6-2R	ONE WAY RIGHT	SAW 711+87	2'	2.5'	III OR IV		TELESPAR	2"X2"					7.0'		MOUNT FACING SOUTH
76	R5-1	DO NOT ENTER	SAW 711+87	2.5'	2.5'	III OR IV		TELESPAR	2"X2"					7.0'		MOUNT FACING EAST
77	R5-1	DO NOT ENTER	SAW 711+30	2.5'	2.5'	III OR IV		TELESPAR	2"X2"					7.0'		MOUNT FACING EAST
78	R6-2L	ONE WAY LEFT	SAW 711+85	2'	2.5'	III OR IV		TELESPAR	2.5"X2.5"					7.0'		MOUNT BELOW SIGN NO 74, FACING WEST
80	SPECIAL 6	I-90 1-5 USE 1ST AVE S	SAW 710+85	5'	3'	II (B) III OR IV (LS)		LUMINAIRE POLE						7.0'		PROVIDE A MIN OF 7' VERTICAL CLEARANCE FROM SIDEWALK GRADE AND A MIN OF 2' OFFSET FROM FACE OF CURB TO EDGE OF SIGN
81	R8-3A	NO PARKING	SAW 712+10	1'	1'	III OR IV		TELESPAR	2"X2"					7.0'		REPLACE WITH NEW, FACING NORTH
82	R3-2	NO LEFT TURN	SAW 712+10	2.5'	2.5'	III OR IV		TELESPAR	2"X2"					7.0'		MOUNT ABOVE SIGN NO 81, FACING NORTH
83	R3-2	NO LEFT TURN	SAW 711+47	2.5'	2.5'	III OR IV		TELESPAR	2"X2"					7.0'		MOUNT FACING WEST



H:\0-PLAN-GEN-TRE-11-00000-14-RFC-1710-12

FILE NAME: XL7999-ALL-1431862.dwg	TIME: 2:06:21 PM	DATE: 10/10/2017	PLOTTED BY: mmarford	DESIGNED BY: P. CHU	ENTERED BY: D. BRINKMANN	CHECKED BY: R. KITTNER	PROJ. ENGR: R. JOHNSON	REGIONAL ADM: L. LAIRD	REVISION	DATE	BY	REVISION	DATE	BY	REVISION	DATE	BY	REVISION	DATE	BY	REVISION	DATE	BY				
RFI-04147		01/09/2018		SZR		06/06/2017		PC		CONTRACT NO.		LOCATION NO.		FED.AID PROJ.NO. BR-0099(111)		WASHINGTON STATE DEPARTMENT OF TRANSPORTATION		U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION		CITY OF SEATTLE		SR 99 TUNNEL PROJECT CONTRACT PACKAGE 14		STREET RESTORATION SIGN SPECIFICATIONS		S1862	

FOR INFORMATION ONLY

WORK ZONE ACTIVITIES:

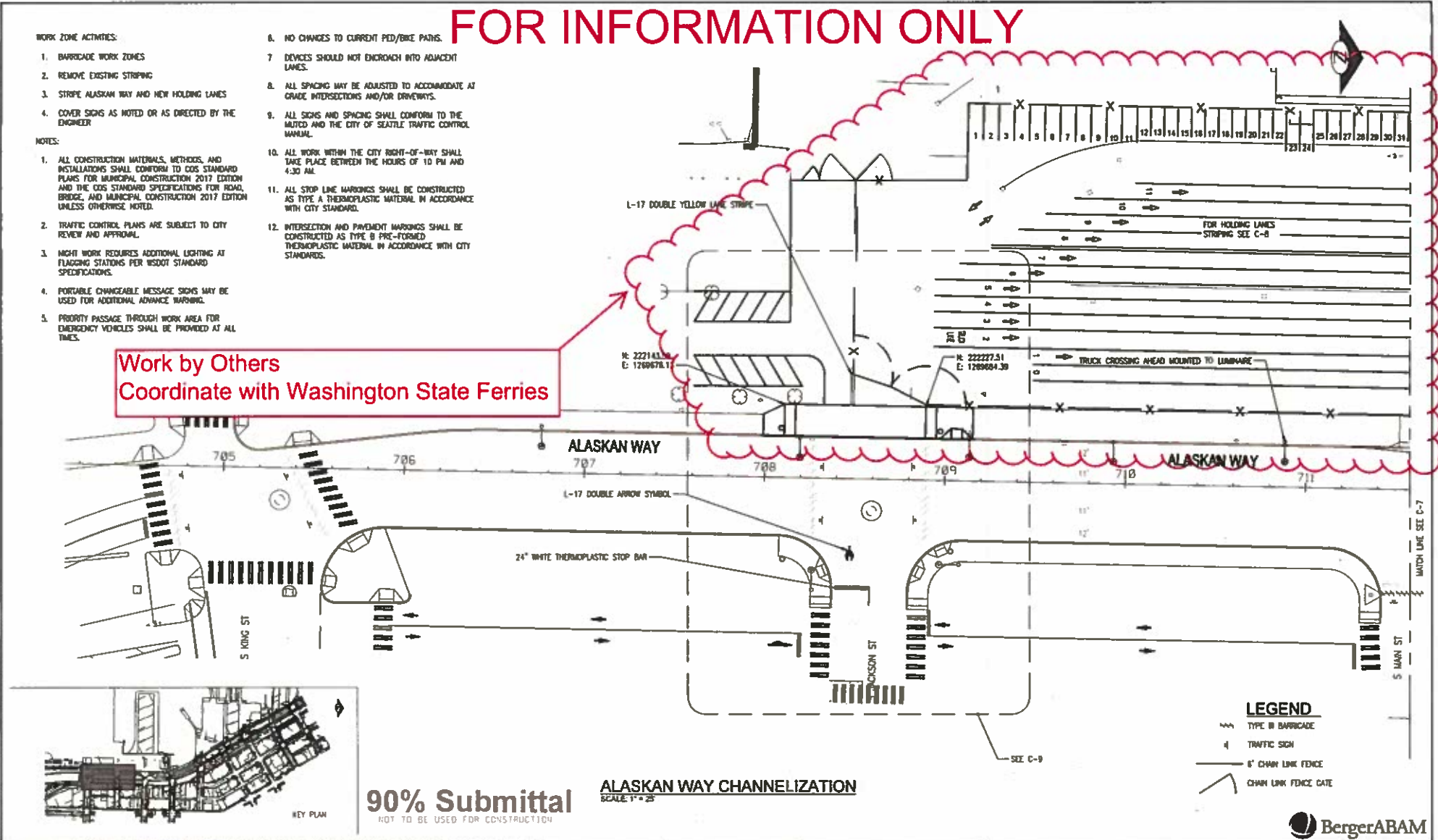
1. BARRICADE WORK ZONES
2. REMOVE EXISTING STRIPING
3. STRIPE ALASKAN WAY AND NEW HOLDING LANES
4. COVER SIGNS AS NOTED OR AS DIRECTED BY THE ENGINEER

NOTES:

1. ALL CONSTRUCTION MATERIALS, METHODS, AND INSTALLATIONS SHALL CONFORM TO CDS STANDARD PLANS FOR MUNICIPAL CONSTRUCTION 2017 EDITION AND THE CDS STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION 2017 EDITION UNLESS OTHERWISE NOTED.
2. TRAFFIC CONTROL PLANS ARE SUBJECT TO CITY REVIEW AND APPROVAL.
3. NIGHT WORK REQUIRES ADDITIONAL LIGHTING AT FLAGGING STATIONS PER WSDOT STANDARD SPECIFICATIONS.
4. PORTABLE CHANGEABLE MESSAGE SIGNS MAY BE USED FOR ADDITIONAL ADVANCE WARNING.
5. PRIORITY PASSAGE THROUGH WORK AREA FOR EMERGENCY VEHICLES SHALL BE PROVIDED AT ALL TIMES.

6. NO CHANGES TO CURRENT PED/BIKE PATHS.
7. DEVICES SHOULD NOT ENCRUSH INTO ADJACENT LANES.
8. ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE AT GRADE INTERSECTIONS AND/OR DRIVEWAYS.
9. ALL SIGNS AND SPACING SHALL CONFORM TO THE MUTCD AND THE CITY OF SEATTLE TRAFFIC CONTROL MANUAL.
10. ALL WORK WITHIN THE CITY RIGHT-OF-WAY SHALL TAKE PLACE BETWEEN THE HOURS OF 10 PM AND 4:30 AM.
11. ALL STOP LINE WARNINGS SHALL BE CONSTRUCTED AS TYPE A THERMOPLASTIC MATERIAL IN ACCORDANCE WITH CITY STANDARD.
12. INTERSECTION AND PAVEMENT WARNINGS SHALL BE CONSTRUCTED AS TYPE B PRE-FORMED THERMOPLASTIC MATERIAL IN ACCORDANCE WITH CITY STANDARDS.

Work by Others
Coordinate with Washington State Ferries



90% Submittal
NOT TO BE USED FOR CONSTRUCTION

ALASKAN WAY CHANNELIZATION
SCALE: 1" = 25'

LEGEND

- TYPE B BARRICADE
- 4 TRAFFIC SIGN
- 6' CHAIN LINK FENCE
- CHAIN LINK FENCE GATE



FILE NAME: D:\proj\01\10\2015\115_0233\01\CAD\Drawings\SET FOR WSDOT\02_C06.dwg	DATE: 1/10/18	BY: R. FRENCH
PRINTED: 1:50 PM 3/27/18	DATE: 1/10/18	BY: M. ENOS
SUBMITTAL DATE: 1/10/18	DATE: 1/10/18	BY: S. TRUE
DESIGNED BY: R. FRENCH	DATE: 1/10/18	BY: C. RUCKI
ENTERED BY: M. ENOS	DATE: 1/10/18	BY: G. RUCKI
CHECKED BY: S. TRUE	DATE: 1/10/18	BY: A. SCARTON
MAR PROJ ENGR: C. RUCKI	DATE: 1/10/18	
DGN ENGR MNGR: G. RUCKI	DATE: 1/10/18	
ASST SECRETARY: A. SCARTON	DATE: 1/10/18	

FED. AID PROJ. NO.	10 WASH
STATE PROJ. NO.	03W165
CITY PROJ. NO.	3074



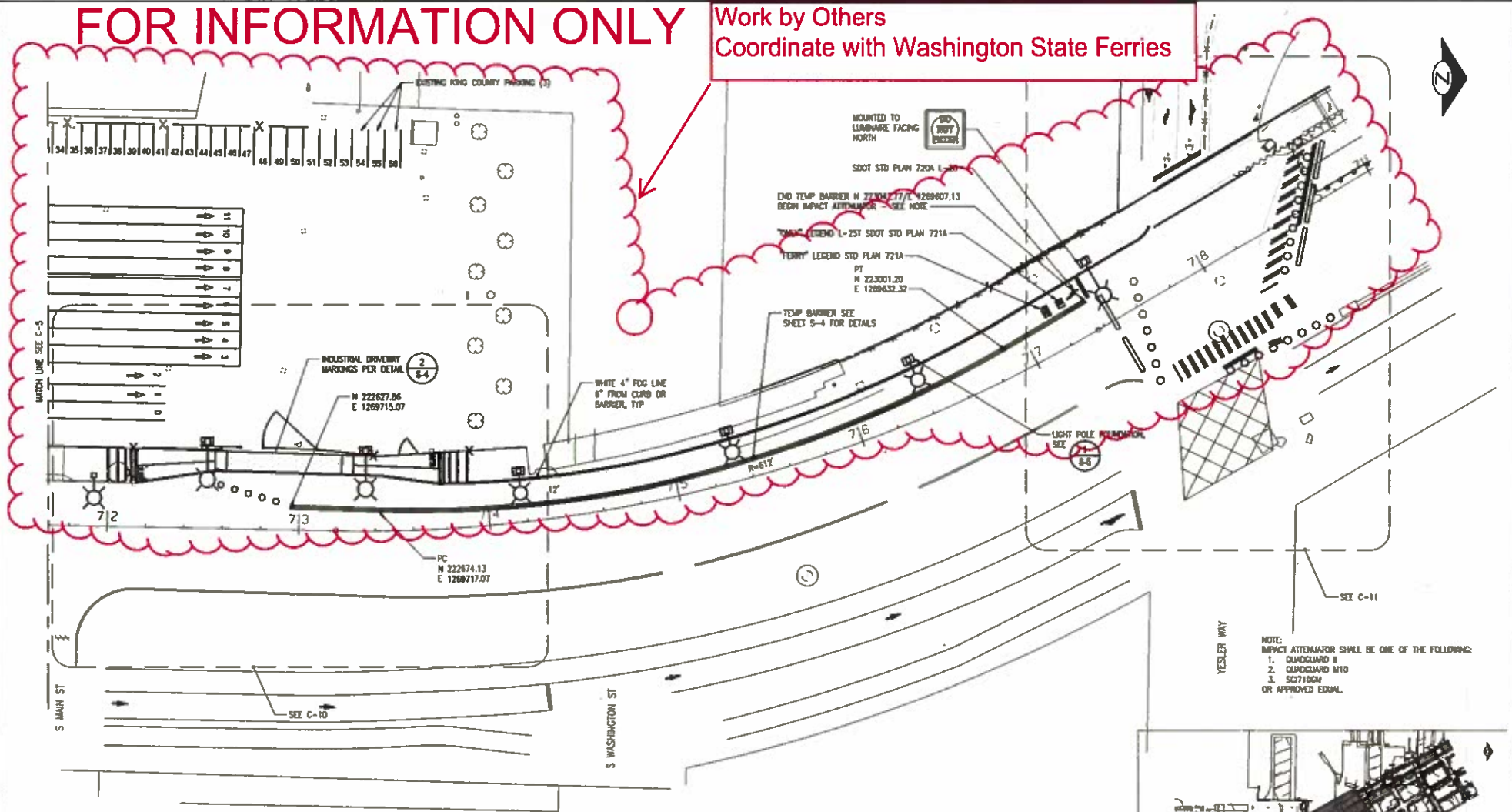
SR519
SEATTLE FERRY TERMINAL
MULTIMODAL TERMINAL AT COLMAN DOCK
CHANNELIZATION PLAN - SHEET 1

C-6
SHEET 8 OF 30 SHEETS

Printed: 1/10/18 1:50 PM 3/27/18

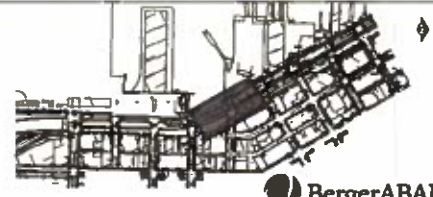
FOR INFORMATION ONLY

**Work by Others
Coordinate with Washington State Ferries**



ALASKAN WAY CHANNELIZATION
SCALE: 1" = 25'

90% Submittal
NOT TO BE USED FOR CONSTRUCTION



BergerABAM

FILE NAME: 01\Federal Way\2015\A15-0233\01\CADD\Wega\SET FOR WSDOT\02_C07.dwg	PRINTED: 3:35 PM 2/2/18	LAST PLOTTED BY:
SUBMITTAL DATE: 1/10/18	DESIGNED BY: R. FRENCH	DATE:
ENTERED BY: M. ENOS	CHECKED BY: S. TRUE	DATE:
MAR PROJ ENGR: G. RUCKI	DCN ENGR MGR: G. RUCKI	DATE:
ASST SECRETARY: A. SCARDIN		DATE:

FED. AID PROJ. NO.	10 WASH
CONTRACT NO.	5174
DATE:	

Washington State Department of Transportation
WASHINGTON STATE FERRIES

SR519
SEATTLE FERRY TERMINAL
MULTIMODAL TERMINAL AT COLMAN DOCK
CHANNELIZATION PLAN - SHEET 2

C-7
SHEET 9 OF 30 SHEETS

Plot Date: 2/2/2018 3:30 PM File: C:\Federal Way\2015\A15-0233\01\CADD\Wega\SET FOR WSDOT\02_C07.dwg