



# Contract Plans

**For Construction of:**

009321

**SR 525**

## **MUKILTEO FERRY TERMINAL (PHASE 2) FERRY TERMINAL CONSTRUCTION**

SNOHOMISH COUNTY

VOLUME 2 OF 8

F. A. NO. TIGER-WA-2017-007, CFDA 20933  
F. A. NO. PSRC-WA-2017-023, CFDA 20507



**Washington State  
Department of Transportation**

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IRRIGATION SCHEDULE

DETAIL	SYM	SIZE/REMARKS
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3

C09.21

SWING ARM AND HEAD ASSEMBLY

SYMBOL	DESCRIPTION	RADIUS	PRESSURE	GPM + 10%
	RAINBIRD RD-12-S-P30-F-MPR-10Q	10'	30	0.43
	RAINBIRD RD-12-S-P30-F-MPR-10H	10'	30	0.87
	RAINBIRD RD-12-S-P30-F-MPR-12Q	12'	30	0.72
	RAINBIRD RD-12-S-P30-F-MPR-12H	12'	30	1.43
	RAINBIRD RD-12-S-P30-F-MPR-12F	12'	30	2.87
	RAINBIRD RD-12-S-P30-F-MPR-15Q	15'	30	1.01
	RAINBIRD RD-12-S-P30-F-MPR-15H	15'	30	2.03
	RAINBIRD RD-12-S-P30-F-MPR-15F	15'	30	4.07
	RAINBIRD RD-12-S-P45-F-RVAN-1318-Q	13'-18'	45	0.55
	RAINBIRD RD-12-S-P45-F-RVAN-1318-H	13'-18'	45	1.11
	RAINBIRD RD-12-S-P45-F-RVAN-1318-270	13'-18'	45	1.66
	RAINBIRD RD-12-S-P45-F-RVAN-1724-H	17'-24'	45	2.01
	RAINBIRD RD-12-S-P30-F-15EST	4' X 15'	30	0.67
	RAINBIRD RD-12-S-P30-F-15SST	4' X 30'	30	1.33
	RAINBIRD RD-12-S-P30-F-9SST	9' X 18'	30	1.90
	RAINBIRD 1812-SAM-PRS-U8H	8'	30	0.57
	RAINBIRD 1812-SAM-PRS-U15Q	15'	30	1.01
	RAINBIRD 1812-SAM-PRS-U15H	15'	30	2.04
	RAINBIRD 1812-SAM-PRS-U15T	15'	30	1.35

IRRIGATION ABBREVIATIONS

#/NO	NUMBER
%	PERCENT
&	AND
CL	CENTER LINE
CLR	CLEAR
CONSTR	CONSTRUCTION
DIAM	DIAMETER
DWG(s)	DRAWING(s)
ENGR	ENGINEER
EXIST	EXISTING
GPM	GALLONS PER MINUTE
MAX	MAXIMUM
OC	ON CENTER
MIN	MINIMUM
PSI	POUNDS PER SQUARE INCH
POC	POINT OF CONNECTION
PVC	POLYVINYL CHLORIDE
R/W	RIGHT OF WAY
SCHED	SCHEDULE
SPEC(s)	SPECIFICATION(s)
SYM	SYMBOL
TYP	TYPICAL

IRRIGATION LEGEND

SYM	REMARKS
-----	---------

X

C09.20

DETAIL IDENTIFICATION

LATERAL PIPE SIZE LEGEND

SYM	REMARKS
-----	---------

	1" LATERAL LINE
	1-1/2" LATERAL LINE
	2" LATERAL LINE

DETAIL	SYM	SIZE/REMARKS
--------	-----	--------------

5

C09.20

PIPE SLEEVE (SCHD 80 PVC); SIZE SHOWN ON DWGs

6

C09.20

2" MAINLINE (SCHD 40 PVC)

2

C09.20

3/4" MANUAL DRAIN VALVE; PROVIDE OWNER WITH TWO (2) VALVE KEYS

1

C09.20

 QUICK COUPLING VALVE; PROVIDE OWNER WITH TWO (2) SETS OF THE FOLLOWING:  
COUPLER KEYS  
HOSE SWIVELS  
COVER KEYS

4

C09.20

2" MANUAL GATE VALVE

1

C09.00

3

C09.22

 POINT OF CONNECTION  
POC A - 1.5" METER WITH CONTROLLER A  
POC B - 1.5" METER WITH CONTROLLER B  
POC C (EXIST) - EXIST 1" METER WITH CONTROLLER AT SOUNDER STATION

1

C09.22

C

RAINBIRD ESP-LXME SERIES IRRIGATION CONTROLLER OR RAINBIRD ESP12SATLS IRRIGATION CONTROLLER; CONTROLLER SHALL BE LOCATED AS SHOWN PLANS  
CONTROLLER A - RAINBIRD ESP-12LXME SERIES WITH 8 STATION EXPANSION MODULE ESP-LXSM-8, WITH IQ V3.0 CENTRAL CONTROL COMMUNICATION CARTRIDGE, AND WITH RAINBIRD LXMMSSPED STAINLESS STEEL PEDESTAL  
CONTROLLER B - RAINBIRD ESP24SATLS WITH RAINBIRD STAINLESS STEEL PEDESTAL, WITH CCU-28S COMMUNICATION CARTRIDGE WITH RAINBIRD STAINLESS STEEL PEDESTAL  
CONTROLLER C - EXIST HUNTER ICC-800, TO REMAIN

3

C09.20

2" DOUBLE CHECK VALVE ASSEMBLY AND PRESSURE REDUCING VALVE PER CODE REQUIREMENTS

2

C09.21

MASTER VALVE (NORMALLY OPEN) AND FLOW SENSOR

1

C09.21

M

IRRIGATION WATER METER, SEE COMPOSITE UTILITY DWGs

1

C09.21

AUTOMATIC CONTROL VALVE WITH SIZE, RAINBIRD PEB SERIES

1

C09.21

AUTOMATIC CONTROL VALVE WITH SIZE, RAINBIRD EFB-CP SERIES; CONNECT TO EXIST IRRIGATION SYSTEM TO REMAIN AT SOUNDER STATION, SEE PLANS

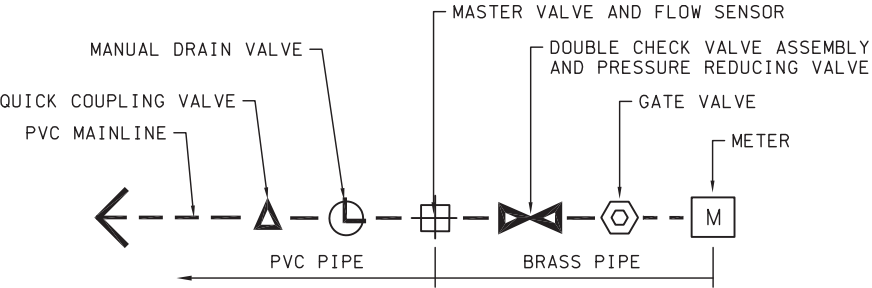
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C09.22

J

TYPE I JUNCTION BOX

IRRIGATION DETAIL



1

C09.00

POINT OF CONNECTION  
NOT TO SCALE

IRRIGATION NOTES

- LOSS OF PRESSURE DUE TO PIPE FITTINGS AND FRICTION HAS BEEN COMPENSATED FOR BY ADDING TEN (10) PERCENT TO THE MANUFACTURER'S RATED GPM FOR EACH NOZZLE.
- CONTRACTOR SHALL LOCATE AND MARK QUICK COUPLING VALVES AND AUTOMATIC CONTROL VALVES IN SHRUB/GROUNDCOVER AREAS AT POINT OF EASY ACCESS. ENGR TO REVIEW AND APPROVE FINAL LOCATION OF ALL QUICK COUPLERS AND AUTOMATIC CONTROL VALVES PRIOR TO INSTALLATION.
- HEAD LOCATIONS MUST BE ADJUSTED IN THE FIELD TO COMPLY WITH EXIST SITE CONDITIONS, AVOIDING SPRAY BLOCKAGE AND CONFLICTS WITH PLANT MATERIALS, BEACH LOGS, BOULDERS, MODULAR WETLAND SYSTEMS, AND ANY OTHER ITEMS DEEMED APPROPRIATE BY THE ENGR BASED UPON FIELD REVIEW AND APPROVAL.
- DESIGN STATIC PSI AT IRRIGATION METER IS 110 PSI. PRIOR TO INSTALLATION OF IRRIGATION SYSTEM, CONTRACTOR SHALL FIELD VERIFY EXIST PSI. NOTIFY ENGR OF ANY DISCREPANCIES BETWEEN THE DESIGN PSI AND EXIST PSI PRIOR TO PROCEEDING WITH WORK.
- IRRIGATION CONTRACTOR SHALL COORDINATE IRRIGATION SLEEVING LOCATIONS WITH GENERAL CONTRACTOR. SLEEVING OR OTHER IRRIGATION EQUIPMENT SHALL NOT PENETRATE MODULAR WETLAND SYSTEMS.
- DRAWING IS SCHEMATIC. ACTUAL LOCATIONS MAY VARY DUE TO PLANT MATERIALS, UTILITIES OR EXIST CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR LOCATING UTILITIES PRIOR TO BEGINNING CONSTR.
- ALL IRRIGATION SLEEVING TO BE STAKED IN THE FIELD AND LOCATED ON DIMENSIONED "AS-BUILT" DRAWING TO ALLOW FUTURE LOCATION AND USE.
- AIR BLOW IRRIGATION SYSTEM THROUGH QUICK COUPLERS TO WINTERIZE IRRIGATION SYSTEM.
- CONTRACTOR SHALL DOCUMENT WORKING ORDER OF EXIST IRRIGATION SYSTEM AT SOUNDER STATION PRIOR TO BEGINNING CONSTR. CONTRACTOR SHALL COORDINATE WITH SOUND TRANSIT TO TEMPORARILY TURN WATER OFF FOR EXIST IRRIGATION SYSTEM PRIOR TO INSTALLATION OF NEW SYSTEM. EXIST PLANTS SHALL BE WATERED MANUALLY BY THE CONTRACTOR DURING PERIOD THAT SYSTEM IS SHUT OFF. ANY PLANTS THAT DIE OR ARE 25% OR MORE DEAD SHALL BE REPLACED BY THE CONTRACTOR, WITH ALL COSTS BORNE BY THE CONTRACTOR. CONTRACTOR IS RESPONSIBLE FOR RESTORING THE EXIST IRRIGATION SYSTEM DAMAGED BY CONSTR, SEE SPEC SECTION 8-03 AND SHEETS C09.11 & C09.13. CONTRACTOR IS RESPONSIBLE FOR TURNING SYSTEM BACK ON, AND VERIFYING IN THE PRESENCE OF THE ENGR & SOUND TRANSIT THAT NO LEAKS ARE PRESENT AT AREAS DISTURBED AND RESTORED BY CONSTR. SEE SPEC SECTION 8-03 FOR ADDITIONAL IRRIGATION TESTING REQUIREMENTS.
- WHERE PIPE SIZES ARE NOT SHOWN ON THE PLAN, PIPE SHALL BE SIZED TO THE NEXT LARGEST PIPE SIZE SHOWN UPSTREAM ON THE PLAN.

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CHECKED BY: D. KOONTZ

MAR PROJ ENGR: C. TORRES

DIR TERM ENGR: N. MCINTOSH

ASST SECRETARY: A. SCARTON

REVISION

DATE

BY

FED.AID PROJ.NO.

WA-2017-007-00

REGION NO. STATE

10 WASH

JOB NUMBER

18W121

CONTRACT NO.

00\*\*\*\*\*





**Washington State**  
**Department of Transportation**  
WASHINGTON STATE FERRIES

SR525

MUKILTEO FERRY TERMINAL (PHASE 2)

FERRY TERMINAL CONSTRUCTION

IRRIGATION SCHED, ABBREVIATIONS, LEGENDS, DETAIL, & NOTES

C09.00

SHEET 227 OF 1521 SHEETS



NOTES:

- 1. LOCATE MAINLINE AND LATERAL LINES ALONG EDGE OF PAVEMENT WITHIN PLANTING AREAS. AVOID UTILITIES, WALLS, TREES, AND OTHER EXISTING AND PROPOSED ELEMENTS UNLESS SPECIFICALLY NOTED ON THE PLANS.
- 2. LIMITS OF IRRIGATED AREAS EQUAL TO LIMITS OF PLANTING, EXCLUDING BACK OF SIDEWALK, SEEDED AREAS, UNLESS OTHERWISE NOTED.
- 3. SEE DRAINAGE PLANS FOR LOCATIONS OF BIORETENTION CELLS AND DETAILS.

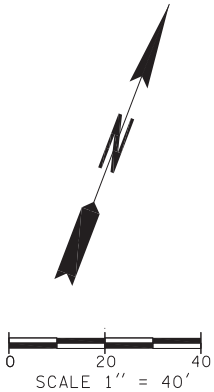
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SR 525 2+82.23

SR 525

SR 525

CITY OF MUKILTEO PARKING

MATCH TO C09.11



KEY PLAN



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MAR PROJ ENGR: C. TORRES					18W121
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ASST SECRETARY: A. SCARTON					00*****
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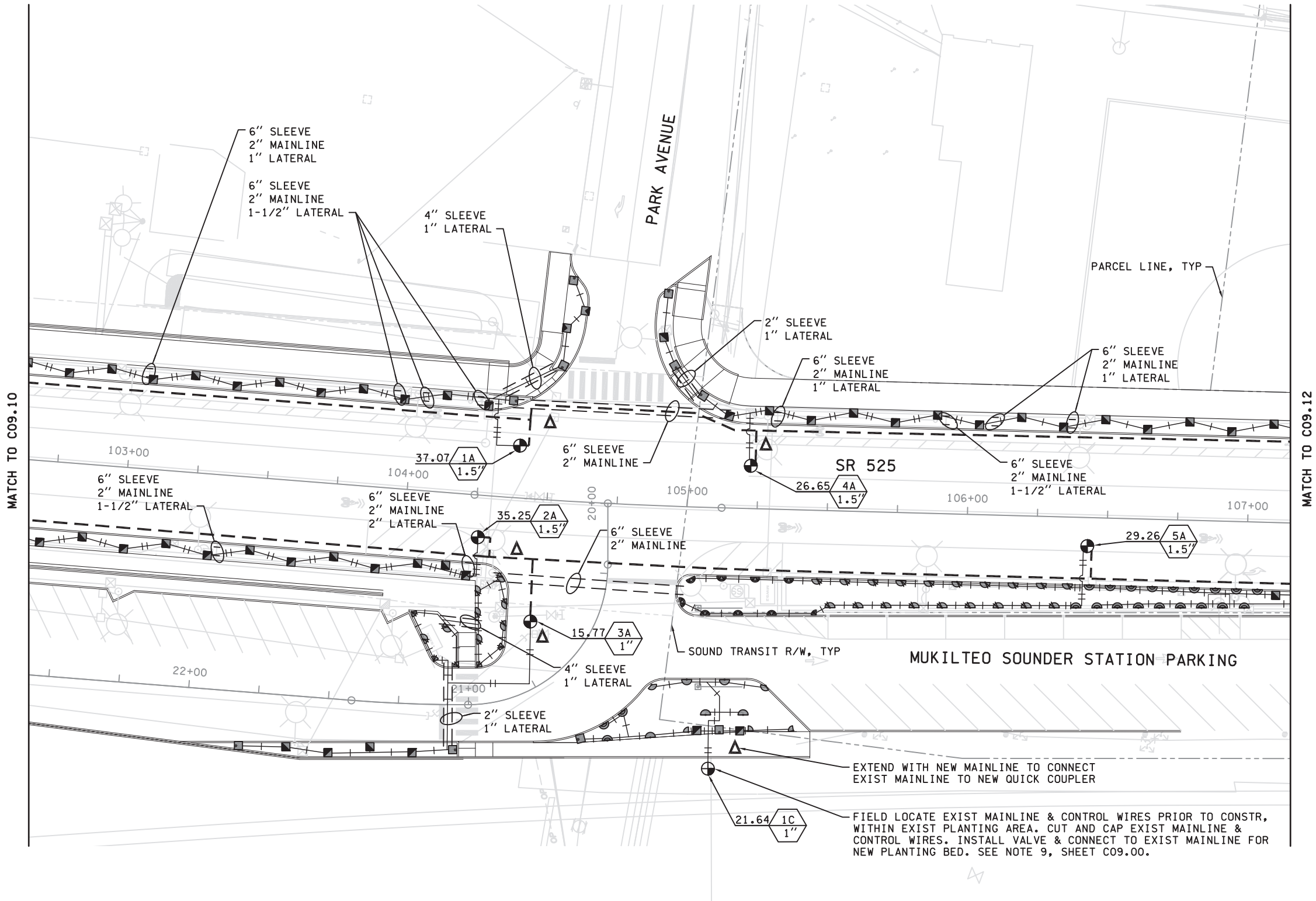


SR525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION  
IRRIGATION PLAN

C09.10  
SHEET  
228  
OF  
1521  
SHEETS

NOTES:

1. LOCATE MAINLINE AND LATERAL LINES ALONG EDGE OF PAVEMENT WITHIN PLANTING AREAS. AVOID UTILITIES, WALLS, TREES, AND OTHER EXISTING AND PROPOSED ELEMENTS UNLESS SPECIFICALLY NOTED ON THE PLANS.
2. LIMITS OF IRRIGATED AREAS EQUAL TO LIMITS OF PLANTING, EXCLUDING BACK OF SIDEWALK, SEEDED AREAS, UNLESS OTHERWISE NOTED.
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KEY PLAN



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DIR TERM ENGR: N. MCINTOSH				CONTRACT NO.
ASST SECRETARY: A. SCARTON				00*****
	REVISION	DATE	BY	



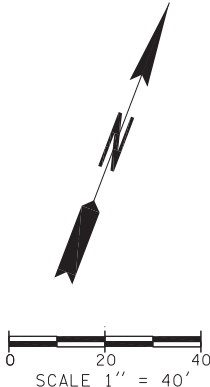
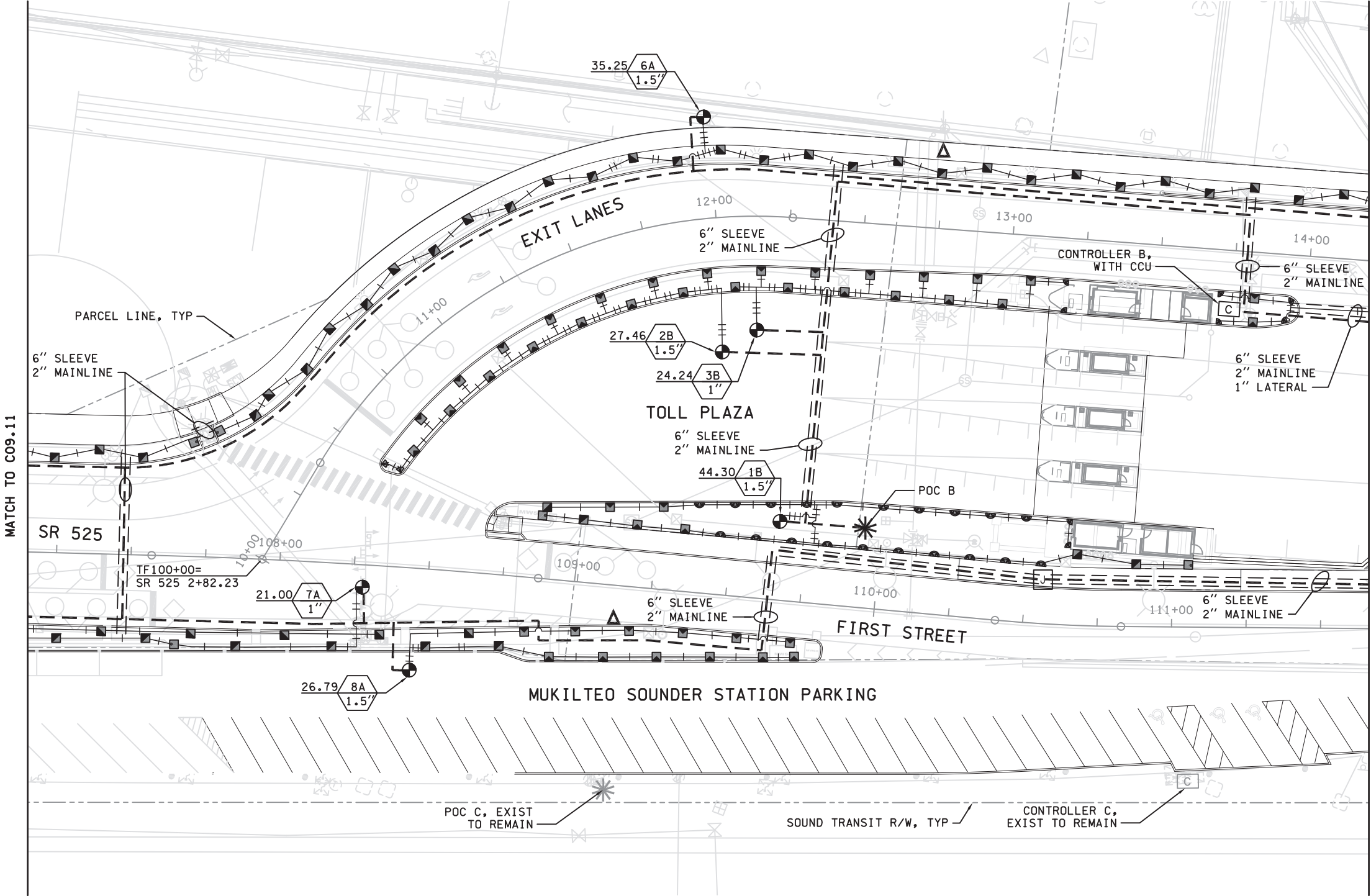
SR525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION  
IRRIGATION PLAN

C09.11  
SHEET  
229  
OF  
1521  
SHEETS



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KEY PLAN



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ENTERED BY: B. HADDOX	12/22/17			CONTRACT NO. 00*****
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MAR PROJ ENGR: C. TORRES				
DIR TERM ENGR: N. MCINTOSH				
ASST SECRETARY: A. SCARTON		REVISION	DATE	BY



SR525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION  
IRRIGATION PLAN

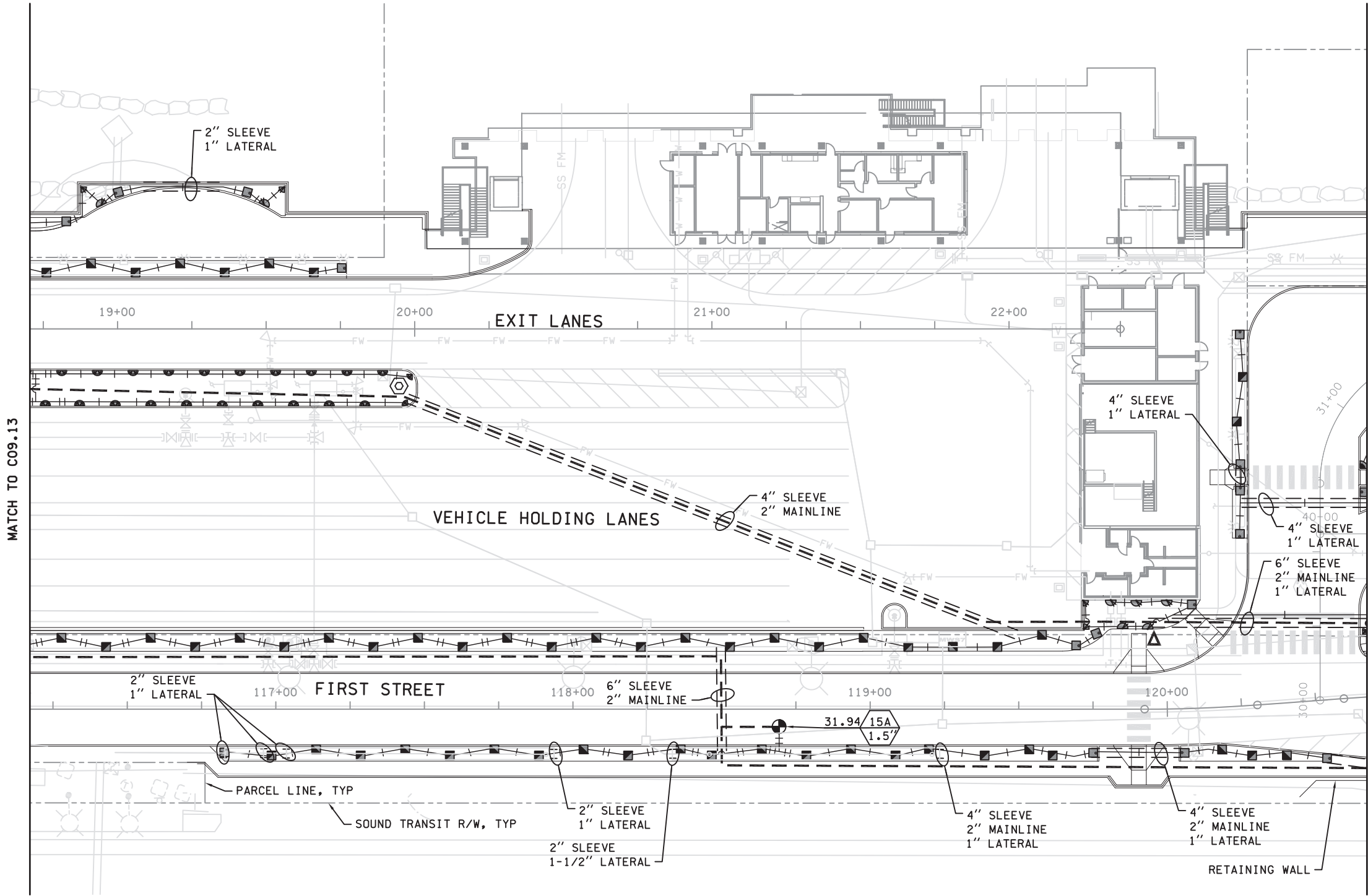
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SHEET 230 OF 1521 SHEETS





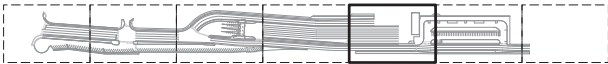
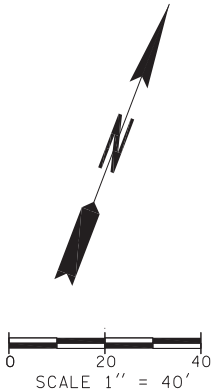
NOTES:

- 1. LOCATE MAINLINE AND LATERAL LINES ALONG EDGE OF PAVEMENT WITHIN PLANTING AREAS. AVOID UTILITIES, WALLS, TREES, AND OTHER EXISTING AND PROPOSED ELEMENTS UNLESS SPECIFICALLY NOTED ON THE PLANS.
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MATCH TO C09.15

MATCH TO C09.13



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ENTERED BY: B. HADDOX	12/22/17				JOB NUMBER	18W121	
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DIR TERM ENGR: N. MCINTOSH							
ASST SECRETARY: A. SCARTON							
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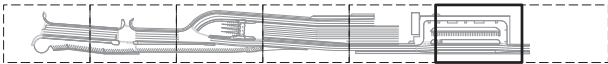
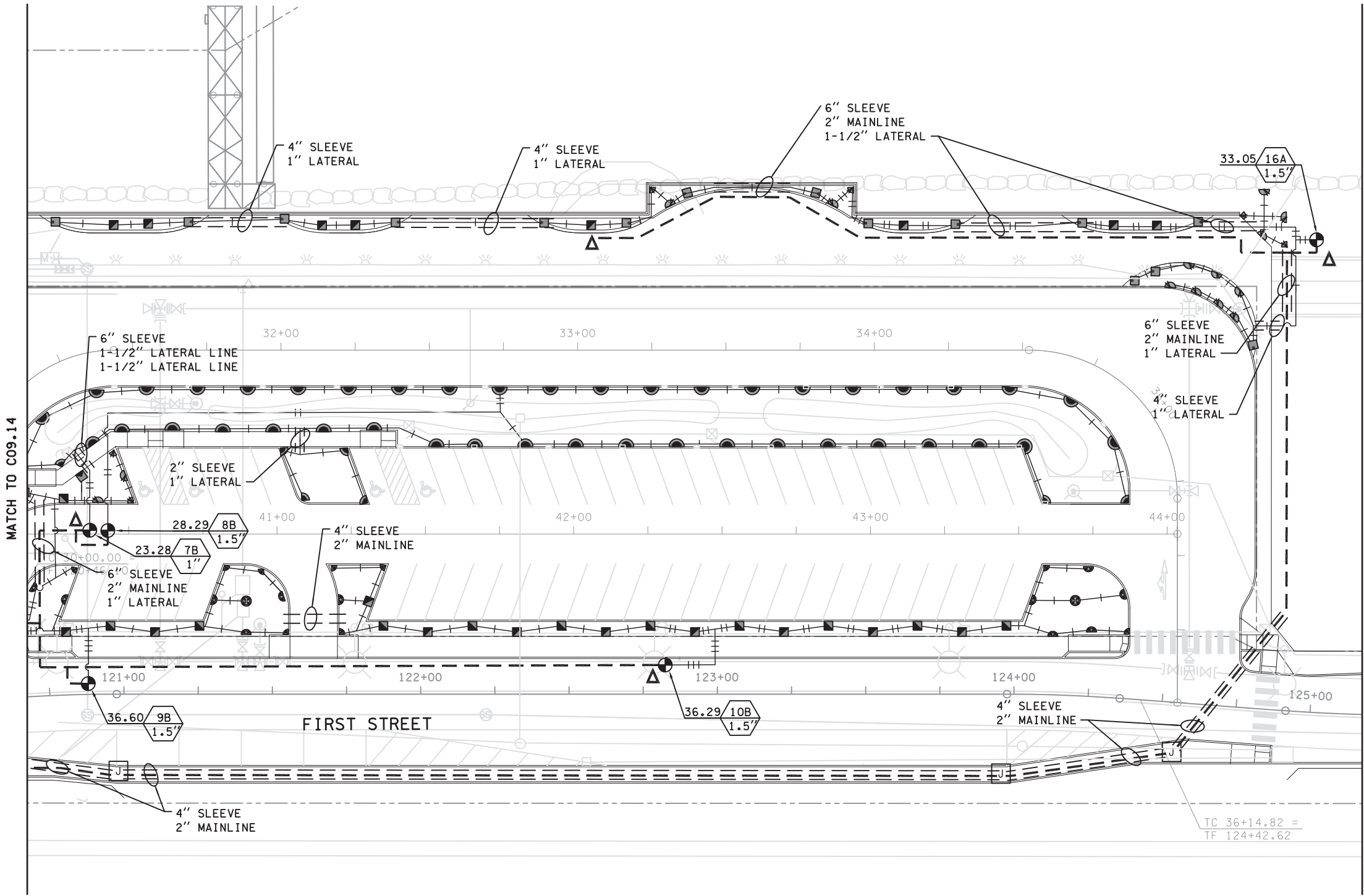


SR525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION  
IRRIGATION PLAN

C09.14  
SHEET  
232  
OF  
1521  
SHEETS

NOTES:

- 1. LOCATE MAINLINE AND LATERAL LINES ALONG EDGE OF PAVEMENT WITHIN PLANTING AREAS. AVOID UTILITIES, WALLS, TREES, AND OTHER EXISTING AND PROPOSED ELEMENTS UNLESS SPECIFICALLY NOTED ON THE PLANS.
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ASST SECRETARY: A. SCARTON			REVISION		DATE	BY
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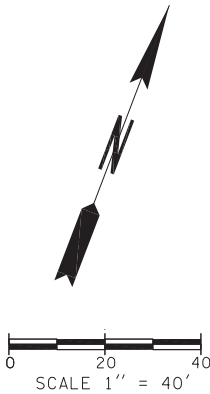
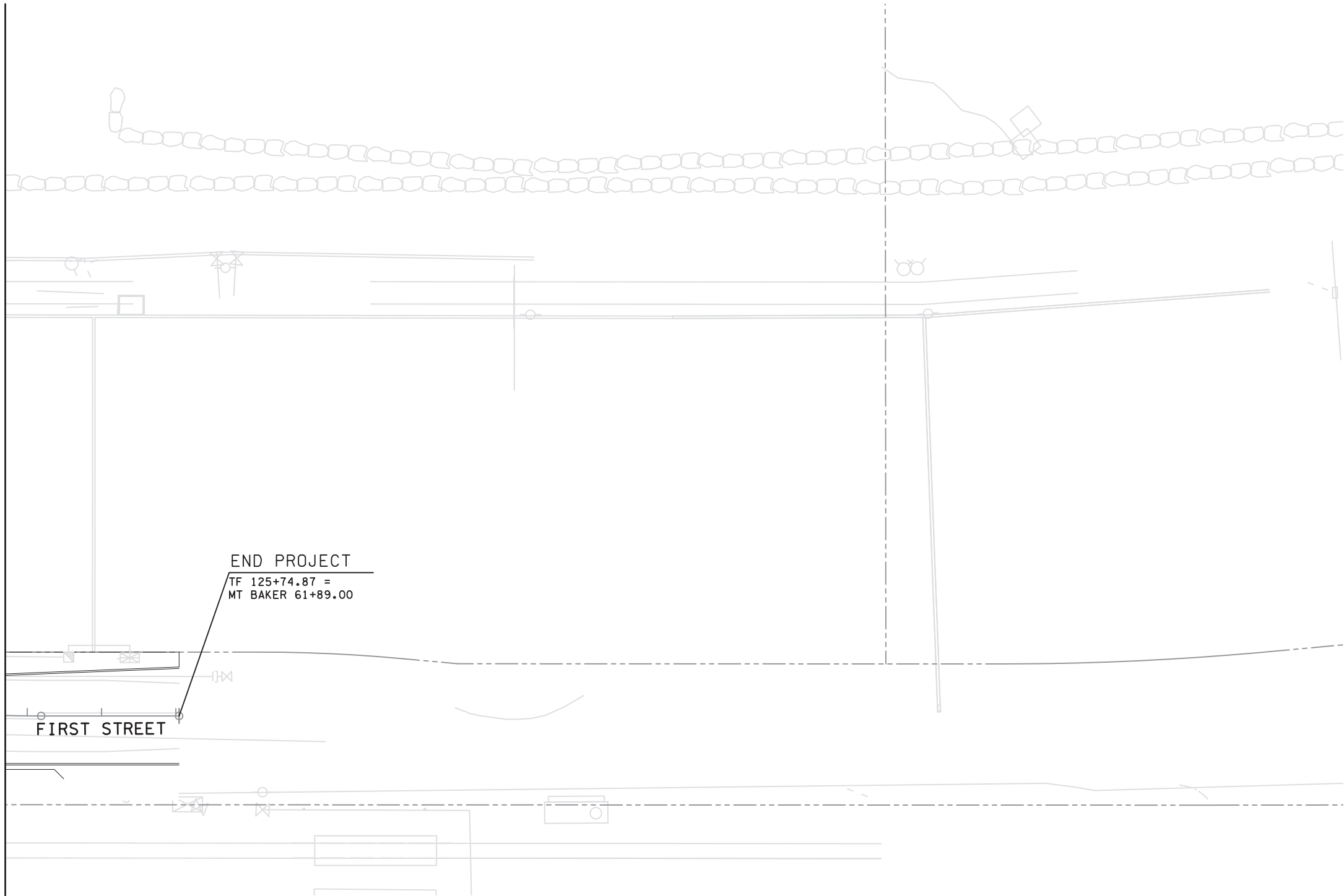
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MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION  
IRRIGATION PLAN

C09.15  
SHEET  
233  
OF  
1521  
SHEETS

NOTES:

- 1. LOCATE MAINLINE AND LATERAL LINES ALONG EDGE OF PAVEMENT WITHIN PLANTING AREAS. AVOID UTILITIES, WALLS, TREES, AND OTHER EXISTING AND PROPOSED ELEMENTS UNLESS SPECIFICALLY NOTED ON THE PLANS.
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MATCH TO C09.15



KEY PLAN

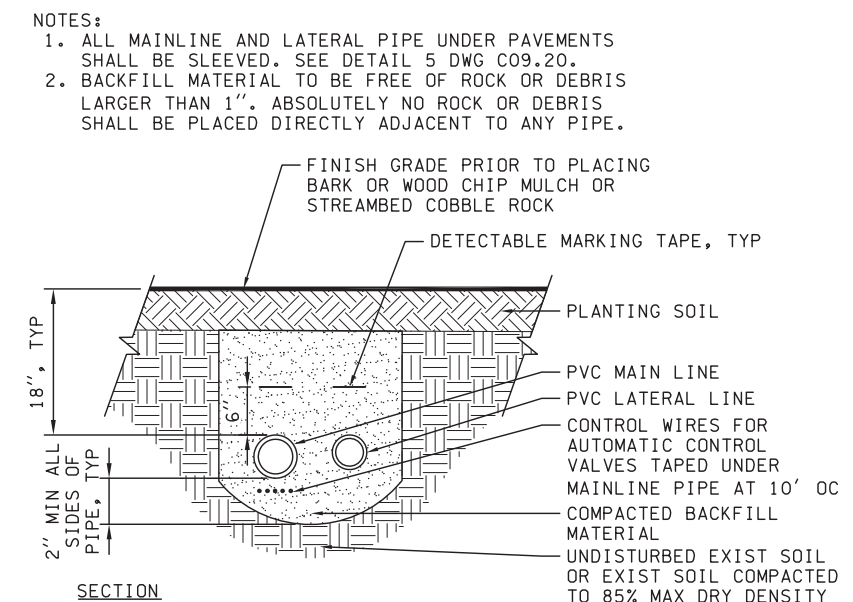
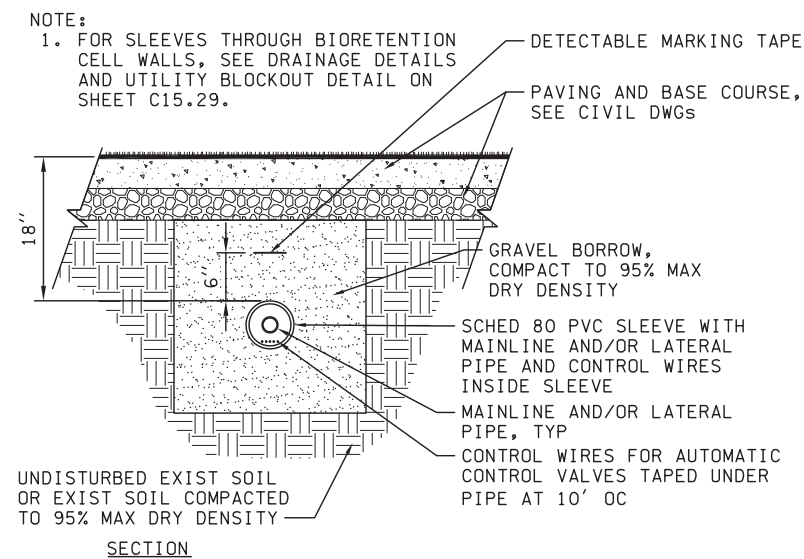
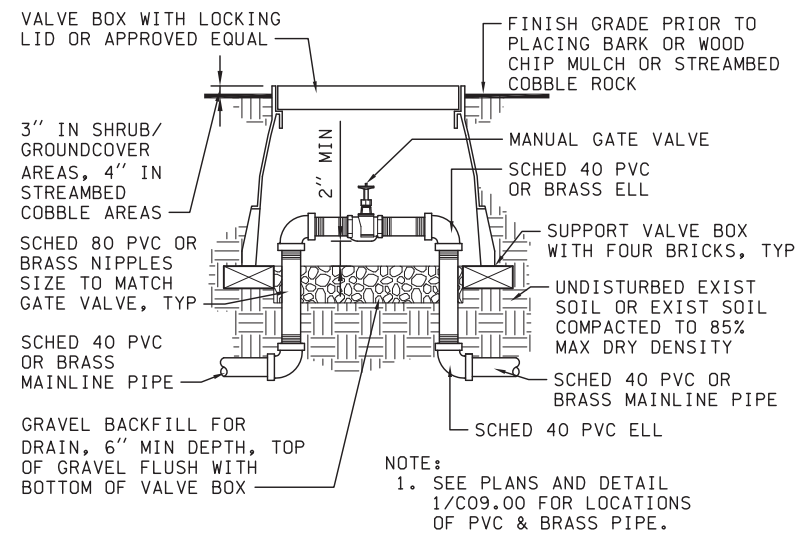
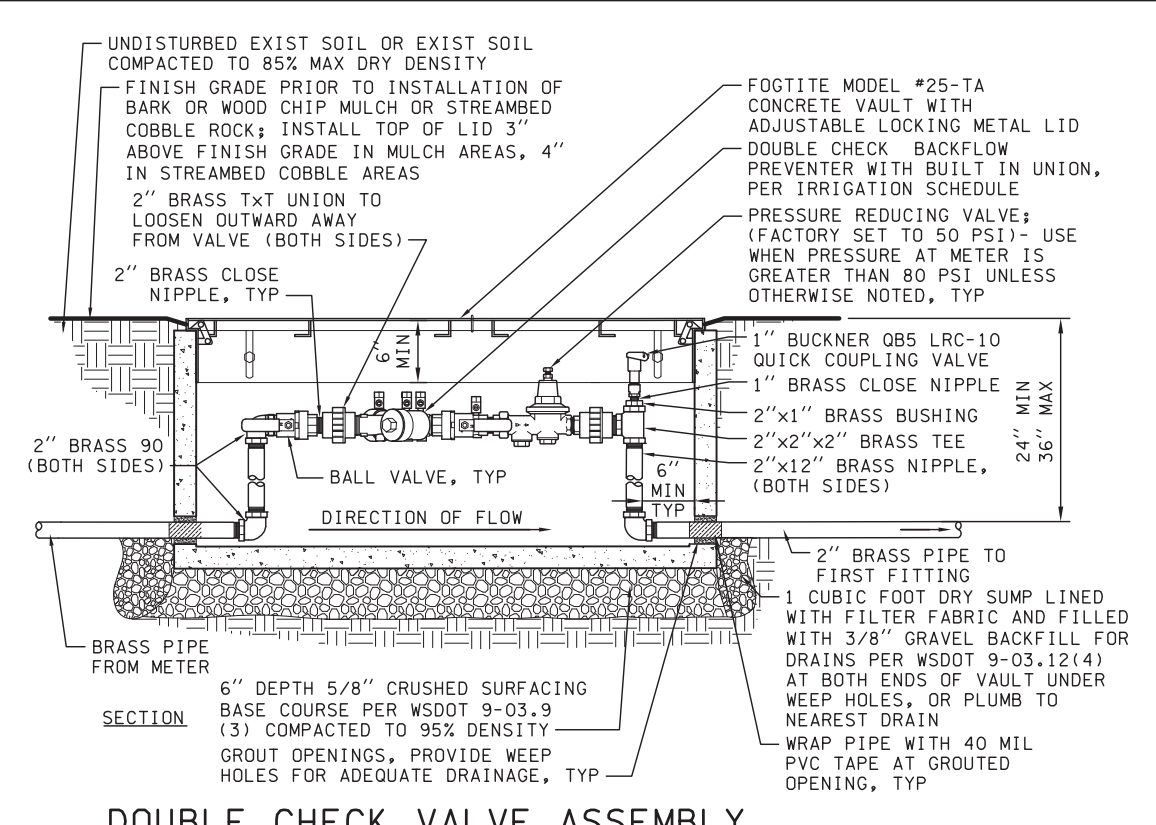
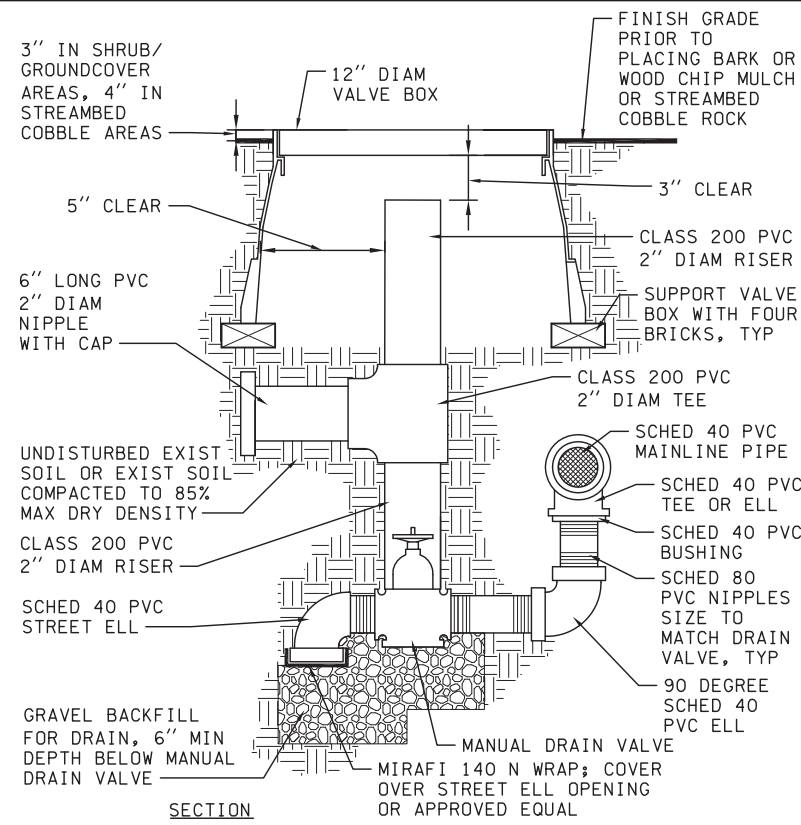
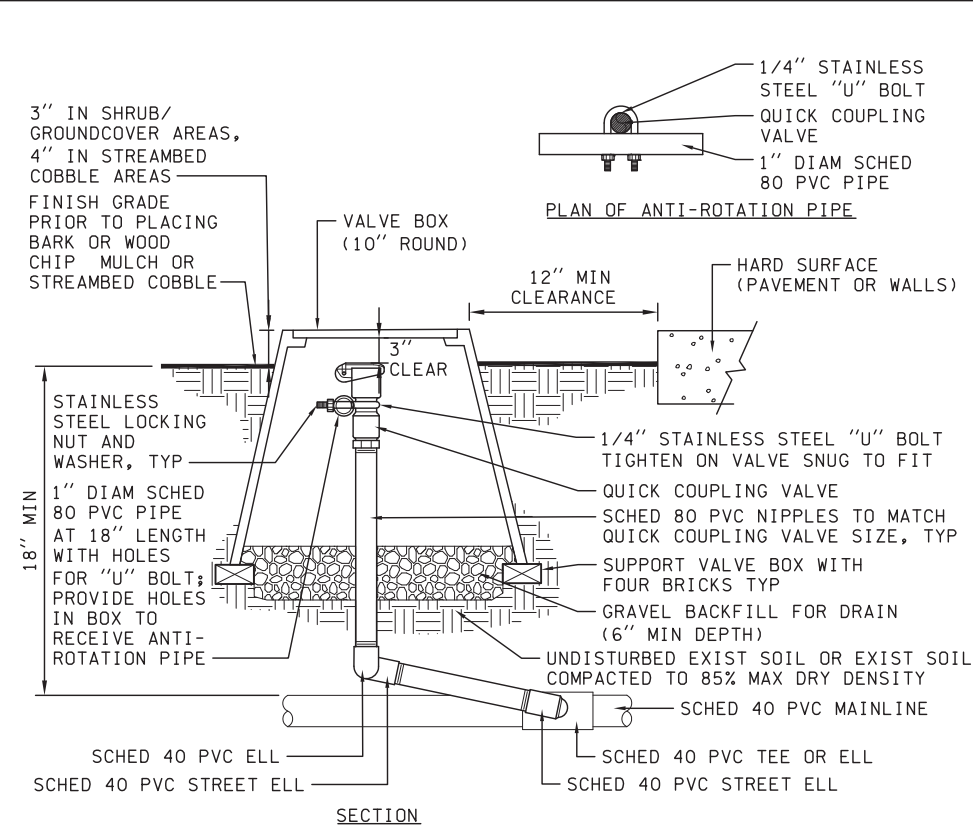


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MAR PROJ ENGR:	C. TORRES				18W121
DIR TERM ENGR:	N. MCINTOSH				CONTRACT NO.
ASST SECRETARY:	A. SCARTON				00*****
		REVISION	DATE	BY	



SR525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION  
IRRIGATION PLAN

C09.16  
SHEET  
234  
OF  
1521  
SHEETS



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MAR PROJ ENGR: C. TORRES								JOB NUMBER	
DIR TERM ENGR: N. MCINTOSH								18W121	
ASST SECRETARY: A. SCARTON								CONTRACT NO.	
					REVISION		DATE	BY	00*****



**Washington State  
Department of Transportation**  
WASHINGTON STATE FERRIES

SR525 MUKILTEO FERRY TERMINAL (PHASE 2) FERRY TERMINAL CONSTRUCTION
IRRIGATION DETAILS

C09.20  
SHEET  
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OF  
1521  
SHEETS



CARSON INDUSTRIES OR NDS VALVE BOX WITH OVERLAPPING BOLT-DOWN COVER OR APPROVED EQUAL (GREEN COLOR); SIZE TO PROVIDE MIN 3" CLEAR BETWEEN VALVE & VALVE BOX, ALL SIDES; PROVIDE EXTENSIONS AS REQUIRED

3" IN SHRUB/ GROUND COVER AREAS OR 4" IN STREAMBED COBBLE AREAS

3M DIRECT BURIAL SPLICE KIT, TYP

30" LINEAR LENGTH OF WIRE, COILED

SCHED 40 PVC LATERAL LINE

SUPPORT VALVE BOX WITH FOUR BRICKS, TYP

UNDISTURBED EXIST SOIL OR EXIST SOIL COMPACTED TO 85% MAX DRY DENSITY

NOTE:

1. INSTALL CONTROL MODULE & POTTED LATCHING SOLENOID WITH AUTOMATIC CONTROL VALVE PER MANUFACTURER'S RECOMMENDATIONS.

FINISH GRADE PRIOR TO PLACING BARK OR WOOD CHIP MULCH OR STREAMBED COBBLE ROCK

SCHED 40 PVC FEMALE ADAPTER

AUTOMATIC CONTROL VALVE

SCHED 40 PVC ELL

GRAVEL BACKFILL FOR DRAIN, 6" MIN DEPTH, TOP OF GRAVEL FLUSH WITH BOTTOM OF VALVE BOX

SCHED 80 PVC NIPPLES SIZE TO MATCH CONTROL VALVE, TYP

SCHED 40 PVC TEE OR ELL

SCHED 40 PVC MAINLINE PIPE

SECTION

### 1 AUTOMATIC CONTROL VALVE

C09.00 NOT TO SCALE

FINISH GRADE PRIOR TO INSTALLATION OF MULCH OR STREAMBED COBBLE ROCK

UNDISTURBED EXIST SOIL OR EXIST SOIL COMPACTED TO 85% MAX DRY DENSITY

IRRIGATION HEAD PER PLAN, PLUMBED VERTICALLY

SCHED 80 PVC NIPPLE, LENGTH AS REQUIRED TO MAINTAIN 45° ANGLE

14 GAUGE INSULATED LOCATOR WIRE (BLUE) FROM CONTROL VALVE ASSEMBLY WITH TERMINAL END IN DBY

SCHED 40 PVC STREET ELL

SCHED 40 PVC T x T 90

12" SCHED 80 PVC NIPPLE AT 45° ANGLE IN RELATION TO LATERAL LINE

SCHED 40 PVC STREET ELL

SCHED 40 PVC LATERAL & TEE

SET IRRIGATION HEAD 1" ABOVE TOP OF BARK OR WOOD CHIP MULCH OR STREAMBED COBBLE ROCK IN LANDSCAPE BED AREAS

ORIENT SWING ARM AND HEAD ON INSIDE OF LATERAL LINE AWAY FROM CURB OR PAVING

LATERAL LINE

SCHED 40 PVC LATERAL WITH S x T 90 OR S x S x T TEE

SECTION

NOTE:

1. SWING ARM ASSEMBLY PIPE SIZE TO MATCH HEAD INLET SIZE.

### 3 SWING ARM & HEAD ASSEMBLY

C09.00 NOT TO SCALE

CARSON INDUSTRIES OR NDS VALVE BOX WITH OVERLAPPING BOLT-DOWN COVER OR APPROVED EQUAL (GREEN COLOR); SIZE TO PROVIDE MIN 3" CLEAR BETWEEN VALVE & VALVE BOX, ALL SIDES; PROVIDE EXTENSIONS AS REQUIRED

3" IN SHRUB/ GROUND COVER AREAS OR 4" IN STREAMBED COBBLE AREAS

BRASS MAINLINE PIPE, TYP, LENGTH AS REQUIRED

BRASS 45 DEGREE ELL, TYP; REDUCE DOWN TO FLOW SENSOR SIZE AS NECESSARY

SUPPORT VALVE BOX FOUR BRICKS, TYP

GRAVEL FOR DRAIN, 6" MIN DEPTH, TOP OF GRAVEL FLUSH WITH BOTTOM OF VALVE BOX, TYP

PIPE LENGTH MIN 10x PIPE DIAM UPSTREAM & PIPE LENGTH MIN 5x PIPE DIAM DOWNSTREAM OF STRAIGHT PIPE

PE-39 COMMUNICATION CABLE WITH 12" MIN SERVICE COIL & WATERPROOF WIRE SPLICE CONNECTORS LOCATE UNDER PIPE, TYP

FINISH GRADE PRIOR TO PLACING BARK OR WOOD CHIP MULCH OR STREAMBED COBBLE ROCK

12" MAX

12" MAX

DIRECTION OF WATER FLOW

FLOW SENSOR

MASTER CONTROL VALVE

BRASS MALE ADAPTER, TYP

PVC 45 DEGREE ELL, TYP

SCHED 40 PVC MAINLINE

SECTION

### 2 MASTER VALVE & FLOW SENSOR ASSEMBLY

C09.00 NOT TO SCALE

NOTE:

1. SIZE VALVE BOX AS REQUIRED TO ALLOW DISC FILTER TO BE PERIODICALLY SERVICED WITHIN BOX. PROVIDE VALVE BOX EXTENSION AS REQUIRED.

FINISH GRADE PRIOR TO PLACING BARK OR WOOD CHIP MULCH OR STREAMBED COBBLES

SCHED 80 PVC NIPPLE

90 DEGREE SCHED 40 PVC ELL

SCHED 80 PVC NIPPLE

SCHED 40 PVC BUSHING AS REQUIRED

SCHED 40 PVC TEE OR ELL

PVC SUPPLY LINE

CONTROL WIRES

SUPPORT VALVE BOX WITH FOUR (4) BRICKS, TYP

AUTOMATIC CONTROL VALVE

SCHED 80 PVC NIPPLE

CARSON INDUSTRIES OR NDS VALVE BOX WITH OVERLAPPING BOLT-DOWN COVER OR APPROVED EQUAL (GREEN COLOR); SIZE TO PROVIDE MIN 3" CLEAR BETWEEN VALVE & VALVE BOX, ALL SIDES; PROVIDE EXTENSIONS AS REQUIRED

SCHED 80 UNION

SCHED 80 UNION

DISC FILTER

PVC LATERAL LINE

3" - 4"

DIRECTION OF WATER FLOW

GRAVEL BACKFILL FOR DRAIN, 6" MIN DEPTH, TOP OF GRAVEL FLUSH WITH BOTTOM OF VALVE BOX

SECTION

### 4 AUTOMATIC DRIP IRRIGATION CONTROL VALVE WITH DISC FILTER

C09.00 NOT TO SCALE



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DIR TERM ENGR:	N. MCINTOSH			
ASST SECRETARY:	A. SCARTON			
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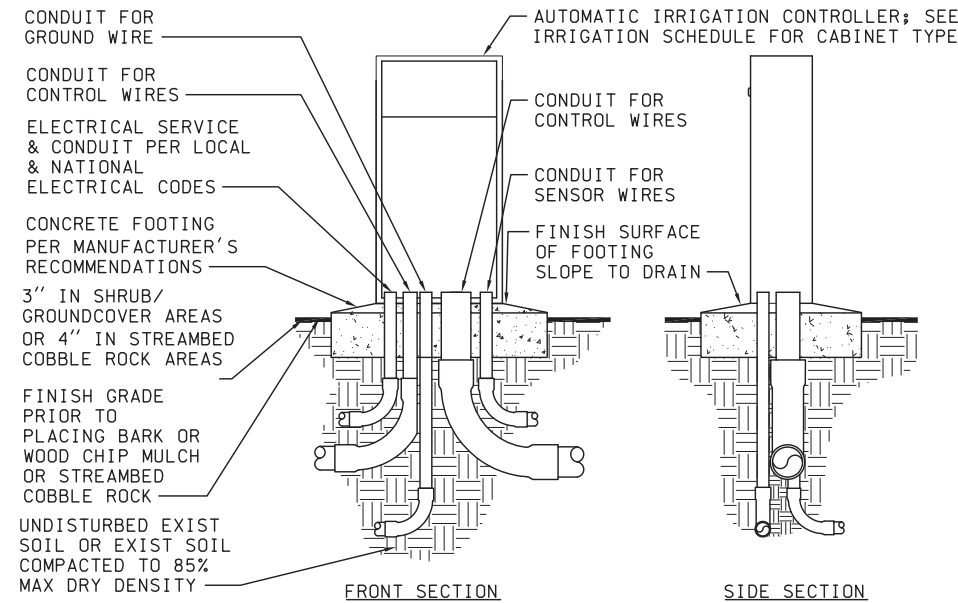
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WA-2017-007-00
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10 WASH
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SR525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION  
IRRIGATION DETAILS

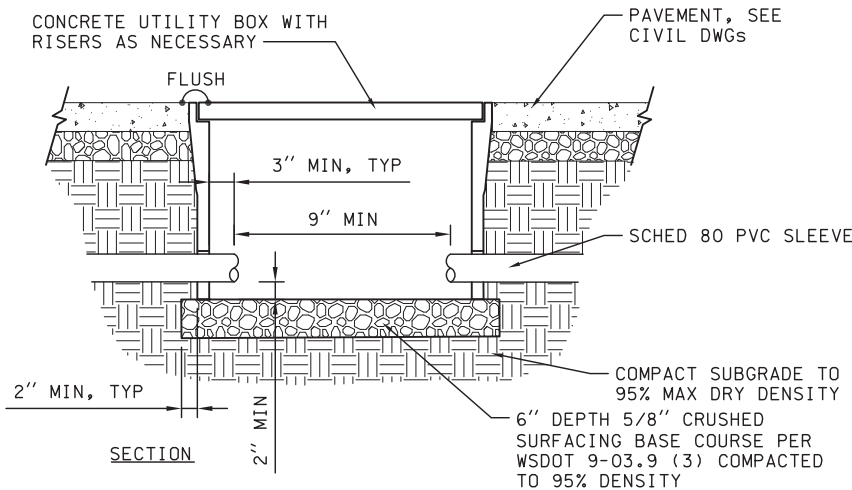
C09.21  
SHEET  
236  
OF  
1521  
SHEETS





- NOTES:
1. ALL CONDUITS SHALL EXTEND MIN 6" BEYOND EDGE OF CONCRETE FOOTING AND BE MIN 18" DEPTH BELOW FINISH GRADE.
  2. INSTALLATION TO BE COMPLETED PER MANUFACTURER'S RECOMMENDATIONS.
  3. PROVIDE CCU28S COMMUNICATION CARTRIDGE UNIT (CCU) WITH STAINLESS STEEL PEDESTAL IMMEDIATELY ADJACENT TO CONTROLLER B PEDESTAL ONLY. PROVIDE WIRED CONNECTIONS BETWEEN CONTROLLER AND CCU PER MANUFACTURER'S WRITTEN RECOMMENDATIONS.

**1 IRRIGATION CONTROLLER**  
C09.00 NOT TO SCALE



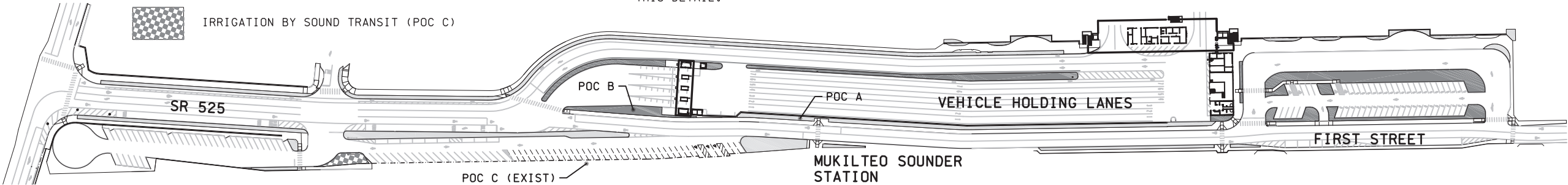
- NOTES:
1. LOCATE UTILITY BOX PERPENDICULAR OR PARALLEL TO PAVEMENT CURB AND/OR CONCRETE SCORE PATTERN.
  2. FIELD VERIFY THE LOCATION & ORIENTATION WITH ENGR PRIOR TO INSTALLATION.
  3. JUNCTION BOX SHALL BE A CONCRETE UTILITY BOX WITH A REINFORCED CONCRETE, LOCKING LID. THE JUNCTION BOX SIZE SHALL BE A MIN 18"x18"x24" AND MAX 24"x24"x30".
  4. INSTALL IRRIGATION LATERAL AND MAINLINE PIPE AND CONTROL WIRES WITHIN SLEEVES PRIOR TO PAVING.

**2 TYPE I JUNCTION BOX**  
C09.00 NOT TO SCALE

**PERMANENT IRRIGATION AREAS**

- IRRIGATION BY CITY OF MUKILTEO (POC A)
- IRRIGATION BY WASHINGTON STATE FERRIES (POC B)
- IRRIGATION BY SOUND TRANSIT (POC C)

- NOTE:
1. SEE SPEC SECTION 8-02 FOR PLANT ESTABLISHMENT REQUIREMENTS FOR LANDSCAPING AREAS NOT SHOWN ON THIS DETAIL.



**3 LANDSCAPING & IRRIGATION MAINTENANCE LIMITS BY OWNER**  
C09.00 NOT TO SCALE



FILE NAME: PW:\WSF\Mukilteo\14W121_FERRYTERMCONST\CADD\HBB\14w121c09_22.dwg					
PRINTED: 2:25:23 PM	2/23/2018	LAST PRINTED BY:			FED.AID PROJ.NO.
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DESIGNED BY:	J. VONG	12/22/17			REGION NO. STATE
ENTERED BY:	B. HADDOX	12/22/17			10 WASH
CHECKED BY:	D. KOONT	12/22/17			JOB NUMBER
MAR PROJ ENGR:	C. TORRES				18W121
DIR TERM ENGR:	N. MCINTOSH				CONTRACT NO.
ASST SECRETARY:	A. SCARTON				00*****
		REVISION	DATE	BY	








SR525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION  
IRRIGATION DETAILS

C09.22  
SHEET  
237  
OF  
1521  
SHEETS

PLANTING LEGEND

1  
C09.60  
DETAIL IDENTIFICATION

SYM	QTY	TYPE	SIZE/REMARKS
	54	FOUR MAN STREAMBED BOULDER	<div>4 C09.62</div> SEE WSDOT STANDARD SPEC 9-03.11(3)
	94	THREE MAN STREAMBED BOULDER	<div>4 C09.62</div> SEE WSDOT STANDARD SPEC 9-03.11(3)
	35	BEACH LOG	<div>4 C09.61</div> SEE SPECs 8-05 AND 9-37
	4	DOG MITT STATION	<div>7 C09.62</div> LOCATE 12" OC FROM BACK OF CURB; ORIENT SIGN PARALLEL TO CURB, TYP; SEE SPECs 8-05 AND 9-37
	19	PLANT IDENTIFICATION SIGNS	<div>3 C09.63</div> LOCATE 12" OC FROM BACK OF CURB; ORIENT SIGN PARALLEL TO CURB, TYP; SEE SPECs 8-05 AND 9-37

PLANTING ABBREVIATIONS

#/NO	NUMBER	DIAM	DIAMETER	MIN	MINIMUM
%	PERCENT	DIMS	DIMENTIONS	MWS	MODULAR WETLAND
B&B	BALLED AND BURLAPPED	DWG(s)	DRAWING(s)		SYSTEM
CL	CENTER LINE	ENGR	ENGINEER	OC	ON CENTER
CAL	CALIPER	EXIST	EXISTING	QTY	QUANTITY
CONC	CONCRETE	GAL	GALLON	R/W	RIGHT OF WAY
CONSTR	CONSTRUCTION	LF	LINEAR FEET	SPEC(s)	SPECIFICATION(s)
CONT	CONTAINER	HGT	HEIGHT	SQ FT	SQUARE FOOT
		MAX	MAXIMUM	SYM	SYMBOL
				TYP	TYPICAL

PLANTING NOTES

1. ANY DISCREPANCIES WITH THE DWGs AND/OR SPECs AND SITE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO PROCEEDING WITH CONSTR.
2. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING UTILITIES PRIOR TO BEGINNING CONSTR.
3. PLANT MATERIAL LOCATIONS SHALL BE COORDINATED WITH SPRINKLER IRRIGATION HEAD LOCATIONS TO AVOID ANY CONFLICTS.
4. INSTALL GROUNDCOVERS IN A TRIANGULAR PATTERN AT SPACING SHOWN IN THE PLANT SCHEDULE. WHERE GROUNDCOVER ABUTS CURBING, WALLS, OR WALKS, MIN PLANTING DISTANCE SHALL BE 1/2 SPECIFIED SPACING FROM THE SAME UNLESS OTHERWISE NOTED. INSTALL GROUNDCOVERS CONTINUOUS IN BETWEEN SHRUB PLANTINGS. SEE DETAIL 1 DWG C09.62 FOR SHRUB/GROUNDCOVER LAYOUT.
5. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COORDINATION WITH SUBCONTRACTORS AS REQUIRED TO ACCOMPLISH PLANTING OPERATIONS.
6. TREE LOCATIONS SHOWN ON PLANTING PLANS (SHEETS C09.50 TO C09.56) ARE APPROXIMATE; IF FIELD ADJUSTMENTS ARE NECESSARY, THE FOLLOWING MIN SETBACKS FOR CENTERLINE OF TREE TRUNKS TO EDGE OF DRIVEWAY, FACE OF CURB OR INTERSECTION, AND TO CENTER OF ALL OTHERS SHOWN SHALL APPLY, UNLESS OTHERWISE NOTED:

A. STREET LIGHTS

20'

B. UNDERGROUND SEWER AND WATER LINES

5'

C. UNDERGROUND GAS LINES

1'

D. UNDERGROUND HIGH PRESSURE GAS LINES

3'

E. UTILITY/POWER POLES

5'

F. UNDERGROUND FIBER CABLE

2'

G. FACE OF CURB

3'
















H. FIRE HYDRANTS

















5'

I. UTILITY BOXES

5'

PLANTING SCHEDULE

SYM	QTY	SCIENTIFIC/COMMON NAME	SIZE/REMARKS
TREES			
	12	ACER GLABRUM/ ROCKY MOUNTAIN MAPLE	5'-6' HGT; B&B; FULL, WELL BRANCHED AND WELL ROOTED; MULTI-TRUNK; MIN 3 TRUNKS
	23	ACER PSEUDOPLATANUS/ SYCAMORE MAPLE	3" CAL; B&B; FULL, WELL BRANCHED AND WELL ROOTED; STREET TREE GRADE; MIN 6' BRANCHING HGT
	25	ACER TRUNCATUM X ACER PLATANOIDES 'WARRENRED' / PACIFIC SUNSET MAPLE	3" CAL; B&B; FULL, WELL BRANCHED AND WELL ROOTED; STREET TREE GRADE; MIN 6' BRANCHING HGT
	3	ACER RUBRUM 'BOWHALL' / BOWHALL MAPLE	3" CAL; B&B; FULL, WELL BRANCHED AND WELL ROOTED; STREET TREE GRADE; MIN 6' BRANCHING HGT
	26	AMELANCHIER ALNIFOLIA/ SERVICEBERRY	5'-6' HGT; B&B; FULL, WELL BRANCHED AND WELL ROOTED; MIN 3 TRUNKS
	8	AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE' / AUTUMN BRILLIANCE SERVICEBERRY	5'-6'HGT; B&B; FULL, WELL BRANCHED AND WELL ROOTED; STREET TREE GRADE, MIN 3' BRANCHING HGT
	23	ARBUTUS MENZIESII/ PACIFIC MADRONE	2 GAL CONT; FULL, WELL BRANCHED AND WELL ROOTED; STRAIGHT CENTRAL LEADER; SYMMETRICAL BRANCHING HABIT
	14	PINUS CONTORTA/ SHORE PINE	6'-8' HGT; B&B; FULL, WELL BRANCHED AND WELL ROOTED; STREET TREE GRADE; NOT SHEARED; ALIGN PRIMARY BRANCHES PARALLEL WITH ROAD AND SIDEWALK
	20	THUJA PLICATA 'EXCELSA' / EXCELSA CEDAR	6'-8' HGT; B&B; FULL, WELL BRANCHED AND WELL ROOTED; STREET TREE GRADE; NOT SHEARED; SINGLE LEADER
	3	THUJA PLICATA 'HOGAN' / HOGAN CEDAR	6'-8' HGT; B&B; FULL, WELL BRANCHED AND WELL ROOTED; STREET TREE GRADE; NOT SHEARED; SINGLE LEADER
SHRUBS			
	26	CORNUS SERICEA/ RED OSIER DOGWOOD	1 GAL CONT; FULL, WELL BRANCHED AND WELL ROOTED; WHERE SYMBOL IS SHOWN ON PLAN, INSTALL ADJACENT GROUNDCOVER BETWEEN SHRUB PLANTINGS
	255	RIBES SANGUINEUM/ RED FLOWERING CURRANT	1 GAL CONT; FULL, WELL BRANCHED AND WELL ROOTED; WHERE SYMBOL IS SHOWN ON PLAN, INSTALL ADJACENT GROUNDCOVER BETWEEN SHRUB PLANTINGS
	9	ROSA NUTKANA/ NOOKKA ROSA	1 GAL CONT; FULL, WELL BRANCHED AND WELL ROOTED; WHERE SYMBOL IS SHOWN ON PLAN, INSTALL ADJACENT GROUNDCOVER BETWEEN SHRUB PLANTINGS
	36	RUBUS SPECTABILIS/ SALMONBERRY	1 GAL CONT; FULL, WELL BRANCHED AND WELL ROOTED; WHERE SYMBOL IS SHOWN ON PLAN, INSTALL ADJACENT GROUNDCOVER BETWEEN SHRUB PLANTINGS
	221	VACCINIUM OVATUM/ EVERGREEN HUCKLEBERRY	2 GAL CONT; FULL, WELL BRANCHED AND WELL ROOTED; WHERE SYMBOL IS SHOWN ON PLAN, INSTALL ADJACENT GROUNDCOVER BETWEEN SHRUB PLANTINGS

SYM	QTY	SCIENTIFIC/COMMON NAME	SIZE/REMARKS
SHRUBS/GROUNDCOVERS			
	1,833	ARCTOSTAPHYLOS UVA-URSI VARS. / KINNIKINNICK	1 GAL CONT; FULL, WELL BRANCHED, AND WELL ROOTED; TRIANGULAR SPACING AT 12" OC
	2,349	ELYMUS MOLLIS/ AMERICAN DUNE GRASS	1 GAL CONT; BLADES SHALL BE FULL, WITH SEVERAL ROOT NODULES AT THE BASE OF EACH BLADE; TRIANGULAR SPACING AT 18" OC
	1,227	POLYSTICHUM MUNITUM/ SWORD FERN	1 GAL CONT; FULL & WELL ROOTED; MIN 3 FRONDS WITH NO BROWN FRONDS; TRIANGULAR SPACING AT 18" OC
	1,808	ROSA GYMNOCARPA/ BALD HIP ROSE	1 GAL CONT; FULL, WELL BRANCHED, AND WELL ROOTED; TRIANGULAR SPACING AT 24" OC
	241	ROSA RUGOSA 'PIERETTE PAVEMENT' / PIERETTE PAVEMENT ROSE	1 GAL CONT; FULL, WELL BRANCHED, AND WELL ROOTED; TRIANGULAR SPACING AT 24" OC
	334	SYMPHORICARPOS ALBUS/ COMMON SNOWBERRY	2 GAL CONT; FULL, WELL BRANCHED, AND WELL ROOTED; TRIANGULAR SPACING AT 24" OC
	633	ACHILLEA MILLEFOLIUM/ YARROW	1 GAL CONT; FULL AND WELL ROOTED; TRIANGULAR SPACING AT 18" OC; MAX GROUP OF 5; SEE DETAIL 2 DWG C09.62 FOR SAMPLE PLANT ARRANGEMENT
	669	ARCTOSTAPHYLOS UVA-URSI VARS. / KINNIKINNICK	1 GAL CONT; FULL, WELL BRANCHED, AND WELL ROOTED; TRIANGULAR SPACING AT 18" OC; MAX GROUP OF 5; SEE DETAIL 2 DWG C09.62 FOR SAMPLE PLANT ARRANGEMENT
	1,233	MAHONIA REPENS/ CREEPING MAHONIA	2 GAL CONT; FULL, WELL BRANCHED, AND WELL ROOTED; TRIANGULAR SPACING AT 12" OC; MAX GROUP OF 5; SEE DETAIL 2 DWG C09.62 FOR SAMPLE PLANT ARRANGEMENT
	431	ASTER SUBSPICATUS/ DOUGLAS ASTER	1 GAL CONT; FULL AND WELL ROOTED; TRIANGULAR SPACING AT 12" OC; MAX GROUP OF 3; SEE DETAIL 2 DWG C09.62 FOR SAMPLE PLANT ARRANGEMENT
	1,382	GAULTHERIA SHALLON/ SALAL	2 GAL CONT; FULL, WELL BRANCHED, AND WELL ROOTED; TRIANGULAR SPACING AT 24" OC; MIN GROUP OF 5; MAX GROUP OF 10; SEE DETAIL 2 DWG C09.62 FOR SAMPLE PLANT ARRANGEMENT
	824	POLYSTICHUM MUNITUM/ SWORD FERN	1 GAL CONT; FULL & WELL ROOTED; MIN 3 FRONDS WITH NO BROWN FRONDS; TRIANGULAR SPACING AT 18" OC; MIN GROUP OF 5; MAX GROUP OF 10; SEE DETAIL 2 DWG C09.62 FOR SAMPLE PLANT ARRANGEMENT
	321	ASTER SUBSPICATUS/ DOUGLAS ASTER	1 GAL CONT; FULL AND WELL ROOTED; TRIANGULAR SPACING AT 12" OC; MAX GROUP OF 3; SEE DETAIL 2 DWG C09.62 FOR SAMPLE PLANT ARRANGEMENT
	1,018	FRAGARIA CHILOENSIS/ COASTAL STRAWBERRY	1 GAL CONT; FULL AND WELL ROOTED; TRIANGULAR SPACING AT 18" OC; MAX GROUP OF 10; SEE DETAIL 2 DWG C09.62 FOR SAMPLE PLANT ARRANGEMENT
	711	GRINDELIA STRICTA/ COASTAL GUMWEED	1 GAL CONT; FULL AND WELL ROOTED; TRIANGULAR SPACING AT 18" OC; MAX GROUP OF 3; SEE DETAIL 2 DWG C09.62 FOR SAMPLE PLANT ARRANGEMENT
	711	LUPINUS LITTORALIS/ SEASHORE LUPINE	1 GAL CONT; FULL AND WELL ROOTED; TRIANGULAR SPACING AT 18" OC; MAX GROUP OF 3; SEE DETAIL 2 DWG C09.62 FOR SAMPLE PLANT ARRANGEMENT



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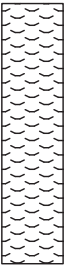










SR525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION

PLANTING SCHEDULE, LEGEND, NOTES,  
& ABBREVIATIONS

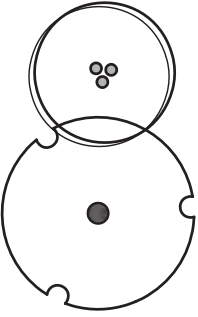










C09.40

SHEET  
238  
OF  
1521  
SHEETS

PLANTING SCHEDULE CONTINUED

SYM	QTY	SCIENTIFIC/COMMON NAME	SIZE/REMARKS
SHRUBS/GROUNDCOVERS			
	573	CAREX OBNUPTA/ SLOUGH SEDGE	1 GAL CONT; FULL AND WELL ROOTED; TRIANGULAR SPACING AT 24" OC; MIN GROUP OF 5; MAX GROUP OF 10; SEE DETAIL 2 DWG C09.62 FOR SAMPLE PLANT ARRANGEMENT
	573	JUNCUS PATENS/ SPREADING RUSH	
	288	SCIRPUS ACUTUS/ HARDSTEM BULLRUSH	
	392	CORNUS SERICEA 'KELSEY'/ KELSEYI DOGWOOD	1 GAL CONT; FULL, WELL BRANCHED, AND WELL ROOTED; TRIANGULAR SPACING AT 24" OC; MIN GROUP OF 4, MAX GROUP OF 10; SEE DETAIL 2 DWG C09.62 FOR SAMPLE PLANT ARRANGEMENT
	392	GAULTHERIA SHALLON/ SALAL	2 GAL CONT; FULL, WELL BRANCHED, AND WELL ROOTED; TRIANGULAR SPACING AT 24" OC; MIN GROUP OF 5, MAX GROUP OF 10; SEE DETAIL 2 DWG C09.62 FOR SAMPLE PLANT ARRANGEMENT
	130	IRIS DOUGLASIANA/ DOUGLAS IRIS	1 GAL CONT; FIRM CORM WITH MIN 2 EYES; WELL ROOTED; TRIANGULAR SPACING AT 24" OC; MAX GROUP OF 3; SEE DETAIL 2 DWG C09.62 FOR SAMPLE PLANT ARRANGEMENT
	654	POLYSTICHUM MUNITUM/ SWORD FERN	1 GAL CONT; FULL & WELL ROOTED; MIN 3 FRONDS WITH NO BROWN FRONDS; TRIANGULAR SPACING AT 18" OC; MIN GROUP OF 5; MAX GROUP OF 10; SEE DETAIL 2 DWG C09.62 FOR SAMPLE PLANT ARRANGEMENT
OTHER			
	2,954 SQ YD	SEED MIX	SEE SPEC 9-14.2
	1,117 SQ FT	3" STREAMBED COBBLES ONLY	SEE SPEC 9-03.11(2)
	637 SQ FT	STREAMBED COBBLES 3 IN EMBEDDED IN CONC	SEE DETAIL 6/C09.62
NO SYM	27 SQ FT	GRAVEL EDGE AT BUILDING	SEE SHEET C09.54 & DETAIL 3/C09.62
	1,768 SQ FT	4" DEPTH CRUSHED SURFACING BASE COURSE	SEE SPEC 9-03.9(3)

PLANTING ENLARGEMENTS SCHEDULE SEE SHEET C09.64 FOR ENLARGEMENTS


SYM	QTY	SCIENTIFIC/COMMON NAME	SIZE/REMARKS
TREE			
	1	AMELANCHIER ALNIFOLIA/ SERVICEBERRY	5'-6' HGT; B&B; FULL, WELL BRANCHED AND WELL ROOTED; MIN 3 TRUNKS
	2	PYRUS CALLERYANA 'BRADFORD' / BRADFORD PEAR	2" CAL; B&B; FULL, WELL BRANCHED AND WELL ROOTED; MIN 6' BRANCHING HGT; STREET TREE GRADE
SHRUBS/GROUNDCOVERS			
	155	CEANOTHUS GLORIOSUS VAR. GLORIOSUS/ POINT REYES CREEPER	1 GAL CONT; FULL, WELL BRANCHED, AND WELL ROOTED; TRIANGULAR SPACING AT 18" OC
	14	CISTUS X HYBRIDUS/ WHITE ROCKROSE	1 GAL CONT; FULL, WELL BRANCHED AND WELL ROOTED
	108	ELYMUS MOLLIS/ AMERICAN DUNE GRASS	1 GAL CONT; BLADES SHALL BE FULL, WITH SEVERAL ROOT NODULES AT THE BASE OF EACH BLADE
	108	FRAGARIA CHILOENSIS/ BEACH STRAWBERRY	1 GAL CONTAINER; FULL AND WELL ROOTED
	30	GRINDELIA STRICTA/ COASTAL GUMWEED	1 GAL CONTAINER; FULL AND WELL ROOTED
	18	LUPINUS LITTORALIS/ SEASHORE LUPINE	1 GAL CONTAINER; FULL AND WELL ROOTED
	29	MISCANTHUS SINENSIS 'MALEPARTUS' / MALEPARTUS MAIDEN GRASS	2 GAL CONT; FULL AND WELL ROOTED
	15	ROSA GYMNOCARPA/ BALD HIP ROSE	1 GAL CONT; FULL, WELL BRANCHED AND WELL ROOTED
	58	SPIRAEA JAPONICA 'GOLDMOUND' / GOLDMOUND SPIRAEA	2 GAL CONT; FULL, WELL BRANCHED AND WELL ROOTED
NO SYM	60	HEMEROCALLIS 'MARY'S GOLD' / HYBRID DAYLILY 'MARY'S GOLD'	1 GAL CONTAINER; FULL AND WELL ROOTED, MIN 5 BLADES

PLANT IDENTIFICATION  
SIGN SCHEDULE

SYM	QTY OF SIGNS	SCIENTIFIC/COMMON NAME
	1	SYMPHORICARPOS ALBUS
	1	PINUS CONTORTA
	1	AMELANCHIER ALNIFOLIA
	1	MAHONIA REPENS
	2	ROSA GYMNOCARPA
	2	ARBUTUS MENZIESII
	3	ELYMUS MOLLIS
	1	THUJA PLICATA
	1	ARCTOSTAPHYLOS UVA-URSI
	1	RIBES SANGUINEUM
	1	GAULTHERIA SHALLON
	1	ACHILLEA MILLEFOLIUM
	1	VACCINIUM OVATUM
	1	POLYSTICHUM MUNIUTUM
	1	FRAGARIA CHILEONSIS
	1	LUPINUS LITTORALIS

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ASST SECRETARY:	A. SCARTON		REVISION	DATE	BY	






**Washington State**  
**Department of Transportation**  
WASHINGTON STATE FERRIES

SR525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION

PLANTING SCHEDULE

C09.41

SHEET 239 OF 1521 SHEETS



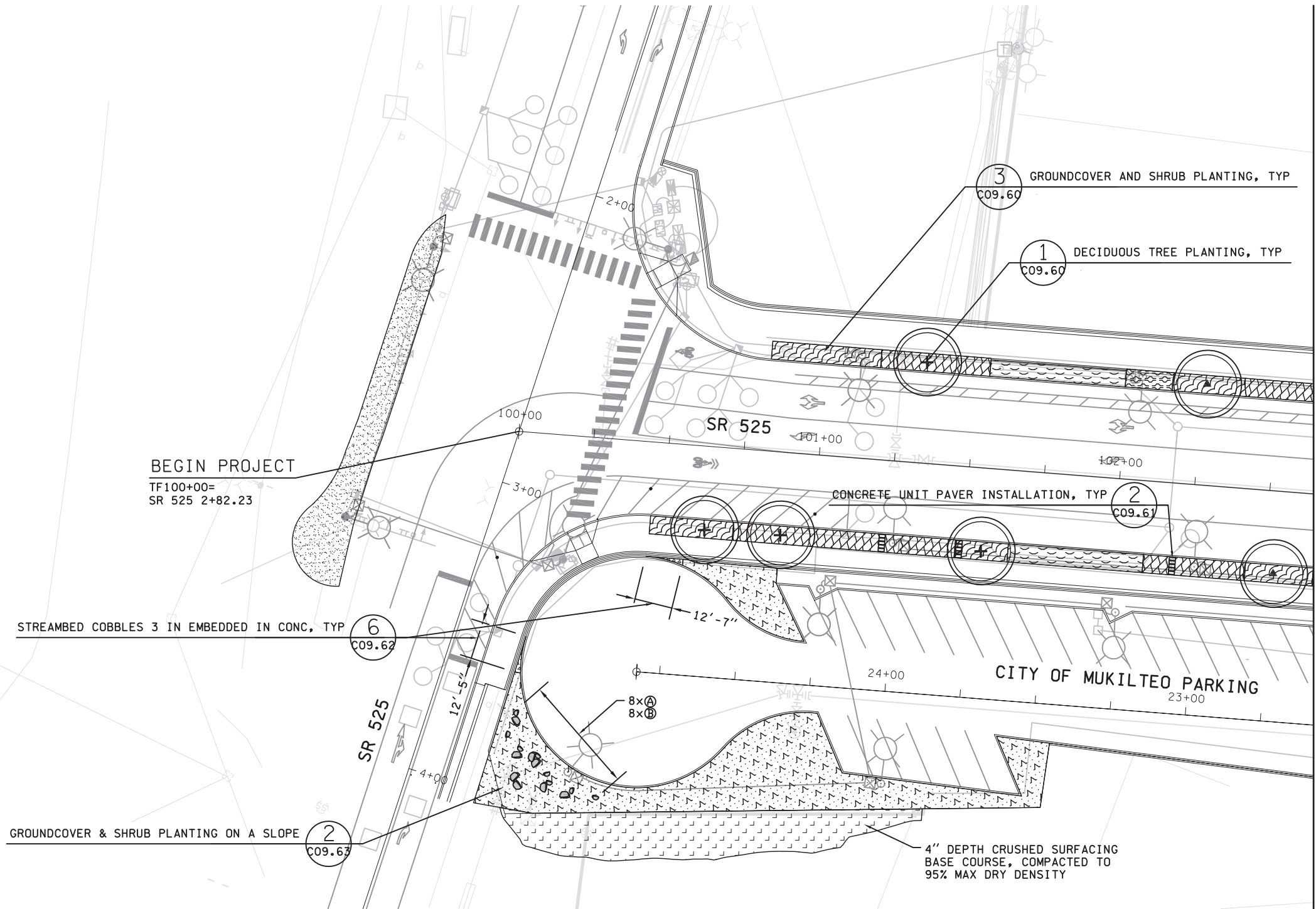
LANDSCAPE ARCHITECTURE

215 WESTLAKE AVE. NORTH  
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206.862.3051 phone  
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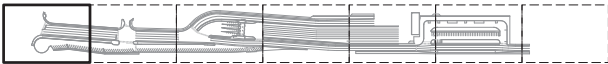
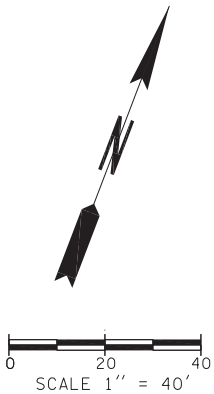


NOTES:

1. ALL PLANTING AREAS TO RECEIVE PLANTING AREA SOIL PREPARATION, SEE DETAIL 5 DWG C09.60, UNLESS OTHERWISE NOTED ON THE PLAN.
2. ALL SEED AREAS TO RECEIVE SEED SOIL PREPARATION, SEE DETAIL 6 DWG C09.60, UNLESS OTHERWISE NOTED ON THE PLAN.
3. ALL PLANTING STRIPS TO RECEIVE PLANTING STRIP TREATMENT, SEE DETAIL 4 DWG C09.60, UNLESS OTHERWISE NOTED ON THE PLAN. PLANTING STRIPS DEFINED AS PLANTING AREAS BETWEEN CURB AND SIDEWALK OR PLANTING AREAS BETWEEN CURBS, UNLESS OTHERWISE NOTED OR AREA IS A BIORETENTION PLANTING AREA.
4. FOR SOIL PREPARATION IN BIORETENTION CELLS AND MODULAR WETLAND SYSTEMS, SEE DRAINAGE DWGS.
5. LIMITS OF PLANTING TO EQUAL LIMITS OF CONSTRUCTION DISTURBANCE. MEET AND MATCH ADJACENT EXISTING GRADES WITH A SMOOTH TRANSITION.



MATCH TO C09.51



KEY PLAN



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SUBMITTAL DATE: 12/22/2017				WA-2017-007-00
DESIGNED BY: J. VONG	12/22/17			REGION NO. STATE
ENTERED BY: B. HADDOX	12/22/17			10 WASH
CHECKED BY: D. KOONTIS	12/22/17			JOB NUMBER
MAR PROJ ENGR: C. TORRES				18W121
DIR TERM ENGR: N. MCINTOSH				CONTRACT NO.
ASST SECRETARY: A. SCARTON				00*****
	REVISION	DATE	BY	

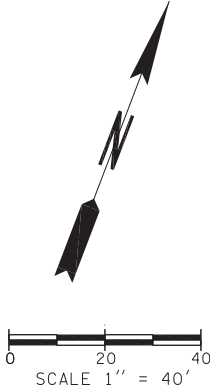
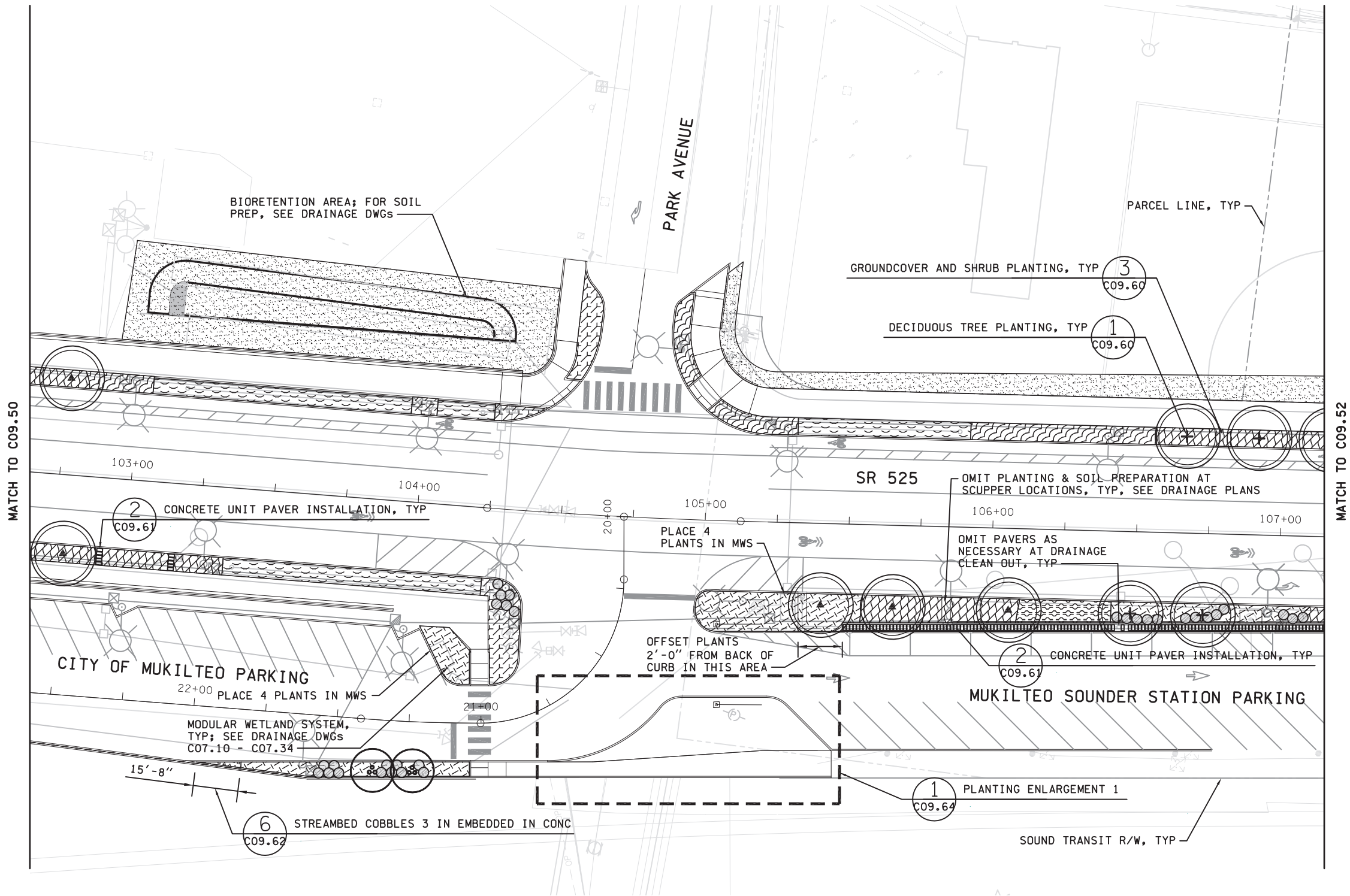


SR525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION  
PLANTING PLAN

C09.50  
SHEET  
240  
OF  
1521  
SHEETS

NOTES:

- 1. ALL PLANTING AREAS TO RECEIVE PLANTING AREA SOIL PREPARATION, SEE DETAIL 5 DWG C09.60, UNLESS OTHERWISE NOTED ON THE PLAN.
- 2. ALL SEED AREAS TO RECEIVE SEED SOIL PREPARATION, SEE DETAIL 6 DWG C09.60, UNLESS OTHERWISE NOTED ON THE PLAN.
- 3. ALL PLANTING STRIPS TO RECEIVE PLANTING STRIP TREATMENT, SEE DETAIL 4 DWG C09.60, UNLESS OTHERWISE NOTED ON THE PLAN. PLANTING STRIPS DEFINED AS PLANTING AREAS BETWEEN CURB AND SIDEWALK OR PLANTING AREAS BETWEEN CURBS, UNLESS OTHERWISE NOTED OR AREA IS A BIORETENTION PLANTING AREA.
- 4. FOR SOIL PREPARATION IN BIORETENTION CELLS AND MODULAR WETLAND SYSTEMS, SEE DRAINAGE DWGS.
- 5. LIMITS OF PLANTING TO EQUAL LIMITS OF CONSTRUCTION DISTURBANCE. MEET AND MATCH ADJACENT EXISTING GRADES WITH A SMOOTH TRANSITION.



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ENTERED BY:	B. HADDOX	12/22/17		
CHECKED BY:	D. KOONTS	12/22/17		
MAR PROJ ENGR:	C. TORRES			
DIR TERM ENGR:	N. MCINTOSH			
ASST SECRETARY:	A. SCARTON			
	REVISION	DATE	BY	

FED.AID PROJ.NO.
WA-2017-007-00
REGION NO. STATE
10 WASH
JOB NUMBER 18W121
CONTRACT NO. 00*****



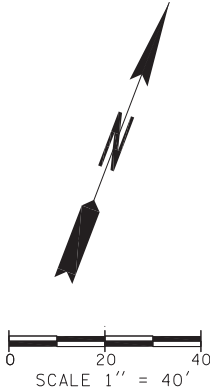
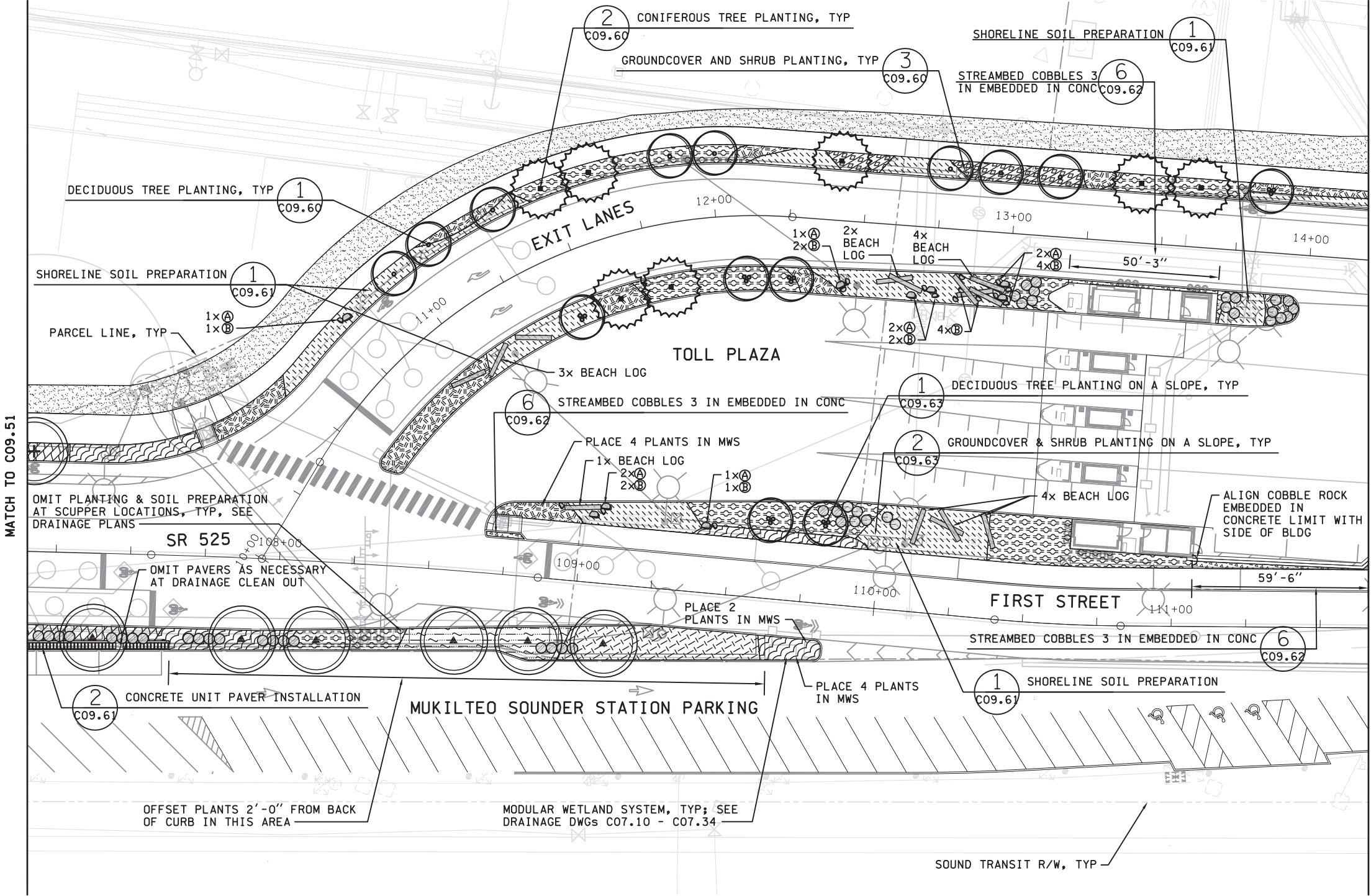
SR525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION  
PLANTING PLAN

C09.51
SHEET
241
OF
1521
SHEETS



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KEY PLAN



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DIR TERM ENGR: N. MCINTOSH				
ASST SECRETARY: A. SCARTON				
	REVISION	DATE	BY	



SR525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION  
PLANTING PLAN

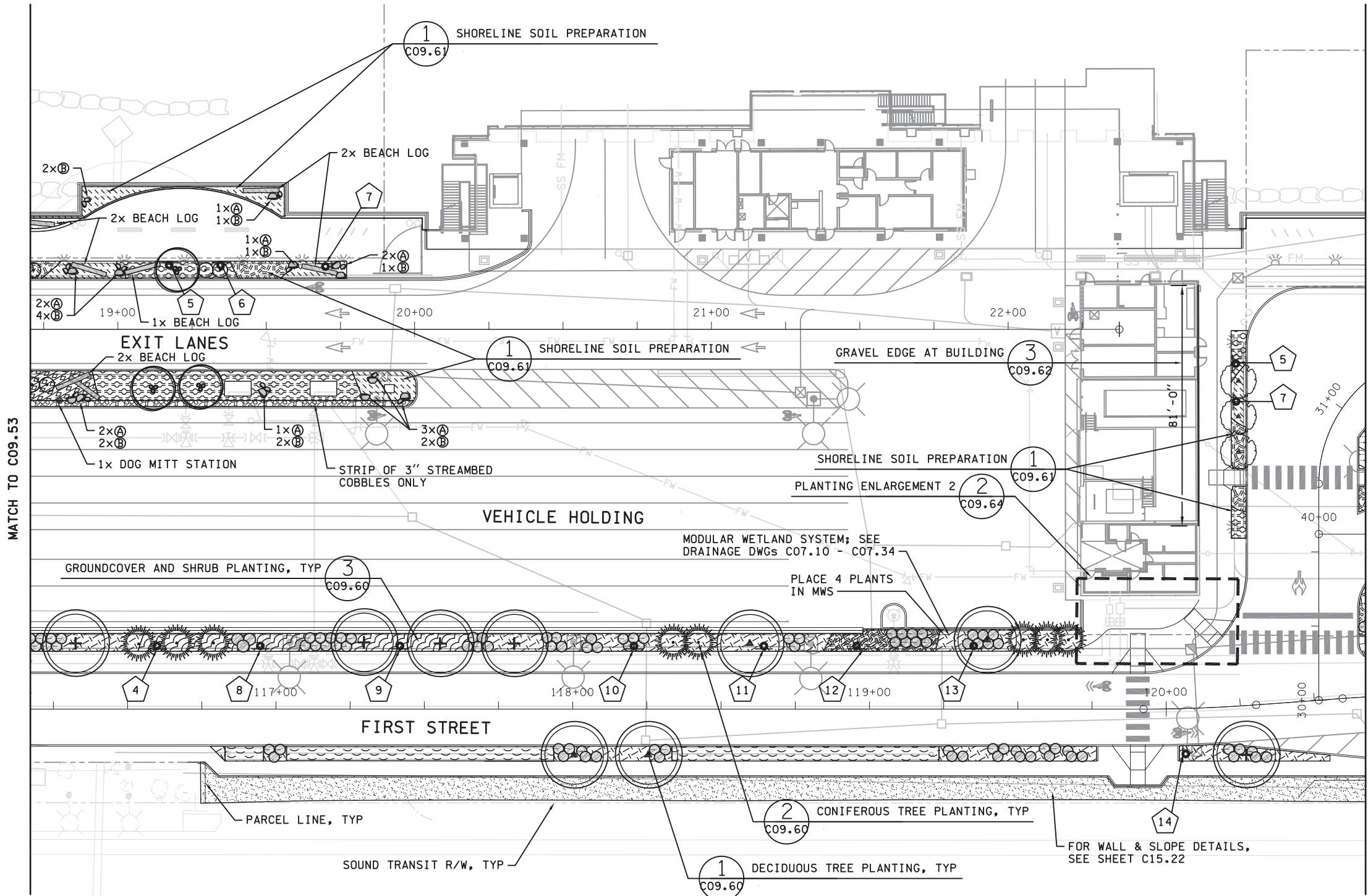
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SHEET  
242  
OF  
1521  
SHEETS





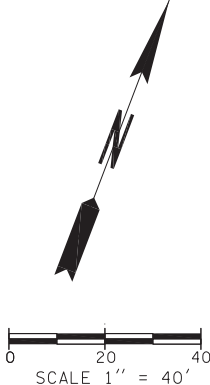
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MATCH TO C09.55

MATCH TO C09.53



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CHECKED BY:	D. KOONTS	12/22/17		
MAR PROJ ENGR:	C. TORRES			
DIR TERM ENGR:	N. MCINTOSH			
ASST SECRETARY:	A. SCARTON			
	REVISION	DATE	BY	

FED.AID PROJ.NO.	
WA-2017-007-00	
REGION NO. STATE	10 WASH
JOB NUMBER	18W121
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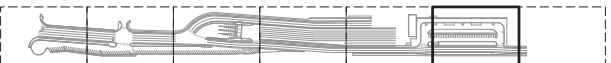
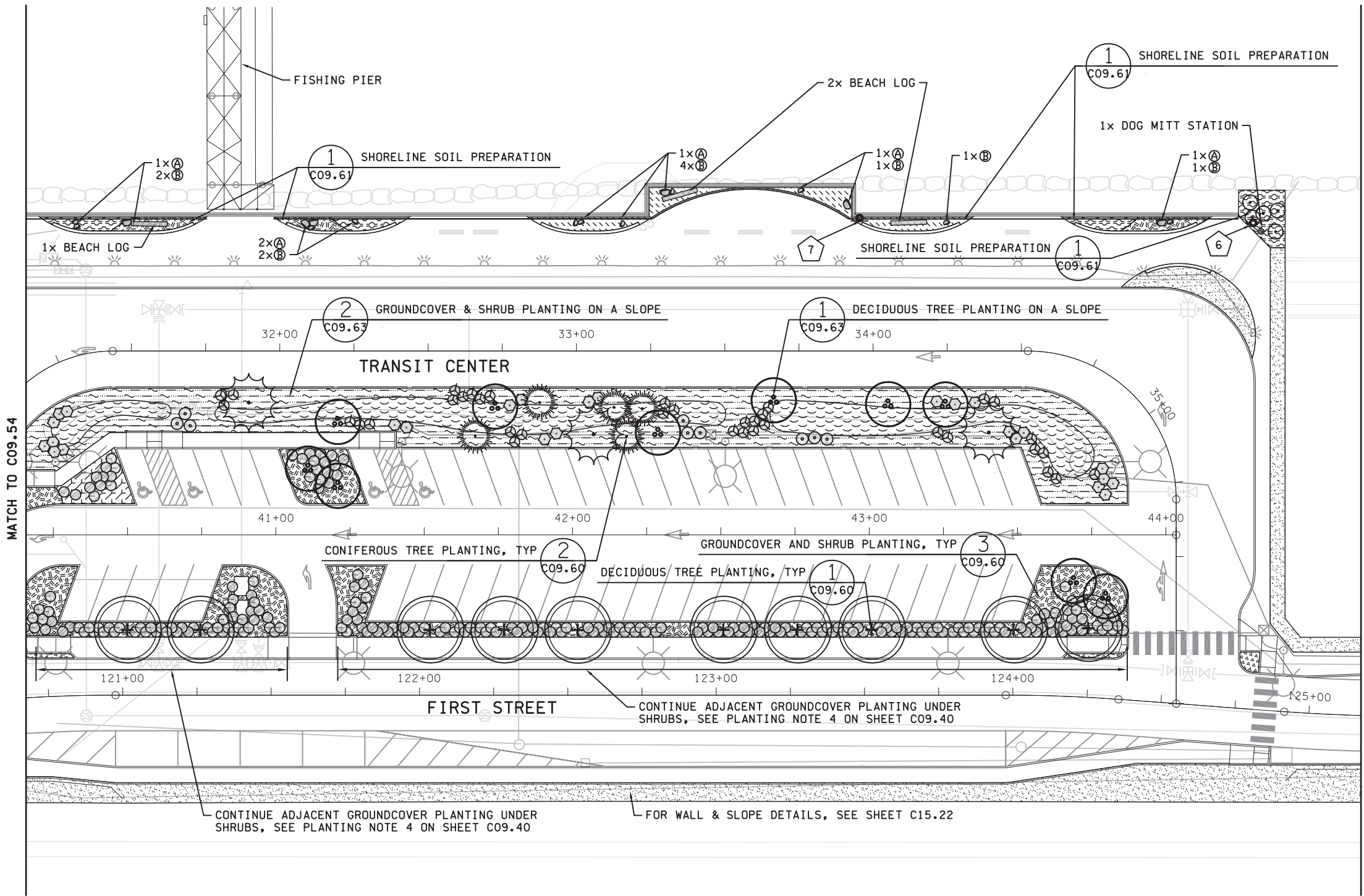


SR525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION  
PLANTING PLAN

C09.54
SHEET
244
OF
1521
SHEETS

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CHECKED BY: D. KOONTS	12/22/17			
MAR PROJ ENGR: C. TORRES				
DIR TERM ENGR: N. MCINTOSH				
ASST SECRETARY: A. SCARTON		REVISION	DATE	BY



SR525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION  
PLANTING PLAN

C09.55  
SHEET  
245  
OF  
1521  
SHEETS

NOTES:

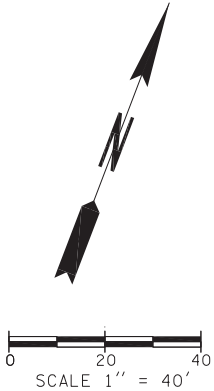
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MATCH TO C09.55

END PROJECT  
TF 125+74.87 =  
MT BAKER 61+89.00

FIRST STREET

FOR WALL & SLOPE DETAILS,  
SEE SHEET C15.22



KEY PLAN



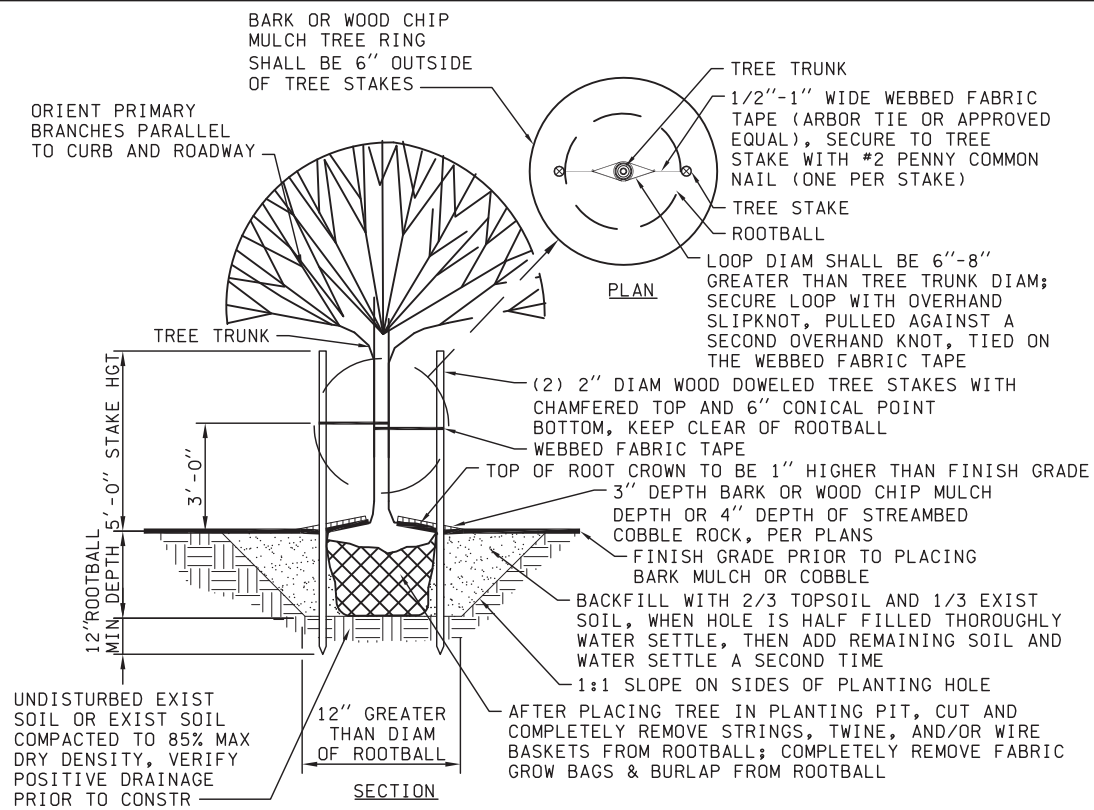
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SR525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION  
PLANTING PLAN

C09.56  
SHEET  
246  
OF  
1521  
SHEETS

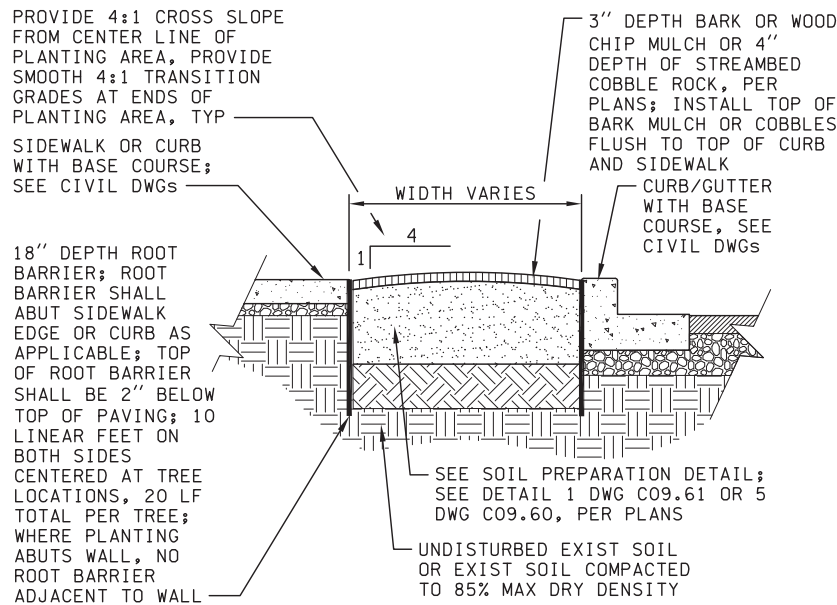




### 1 DECIDUOUS TREE PLANTING

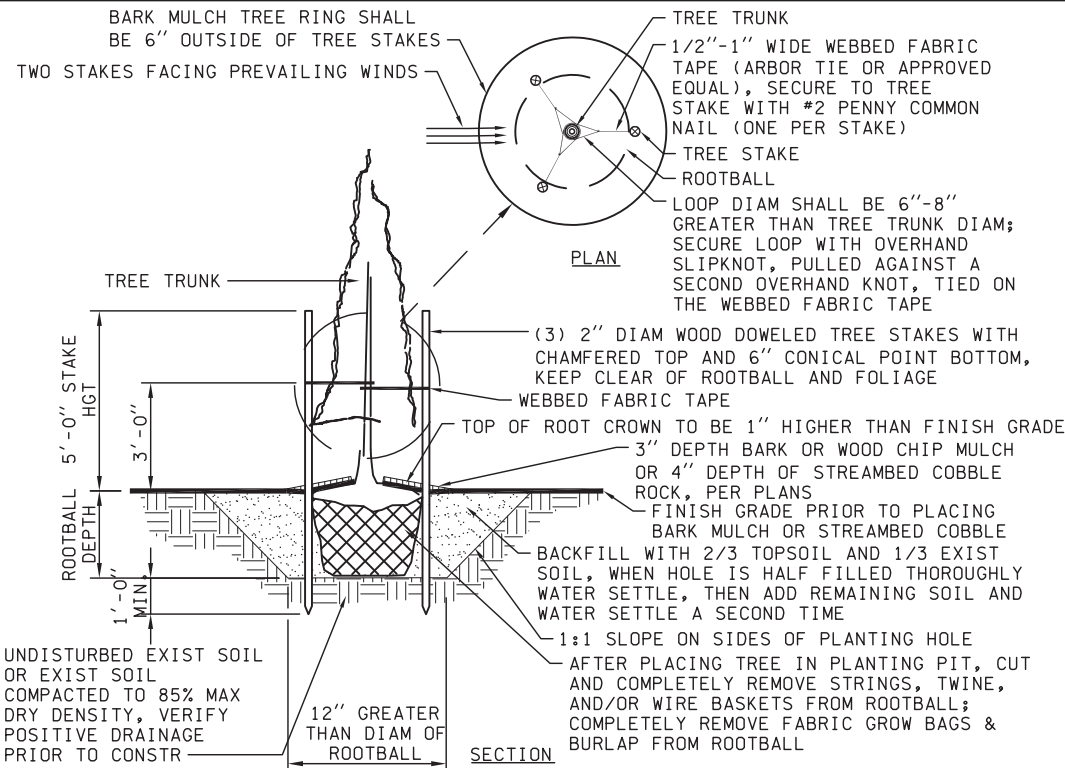
C09.50 NOT TO SCALE

C09.51  
C09.52  
C09.53  
C09.54  
C09.55  
C09.56



### 4 PLANTING STRIP

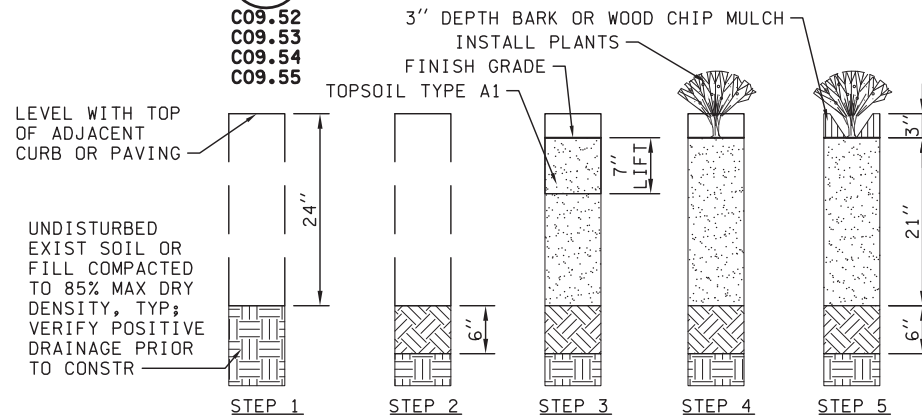
C09.40 NOT TO SCALE



### 2 CONIFEROUS TREE PLANTING

C09.50 NOT TO SCALE

C09.52  
C09.53  
C09.54  
C09.55



**STEP 1**  
EXCAVATE EXIST SOIL TO 24" DEPTH BELOW ADJACENT CURB OR PAVING. AVOID UNDERMINING ADJACENT CURB OR PAVING SUBBASE. REMOVE SUBBASE FILL MATERIAL FROM PLANTING AREA AND PROVIDE PERCOLATION TEST PRIOR TO PROCEEDING TO STEP 2.

**STEP 2**  
(OMIT IN PLANTING AREAS ADJACENT TO WALLS 1, 2, & 3, SEE RETAINING WALL PLANS)  
SCARIFY MIN 6" DEPTH EXISTING SOIL. ENGR SHALL REVIEW AND APPROVE WORK PRIOR TO PROCEEDING TO STEP 4.

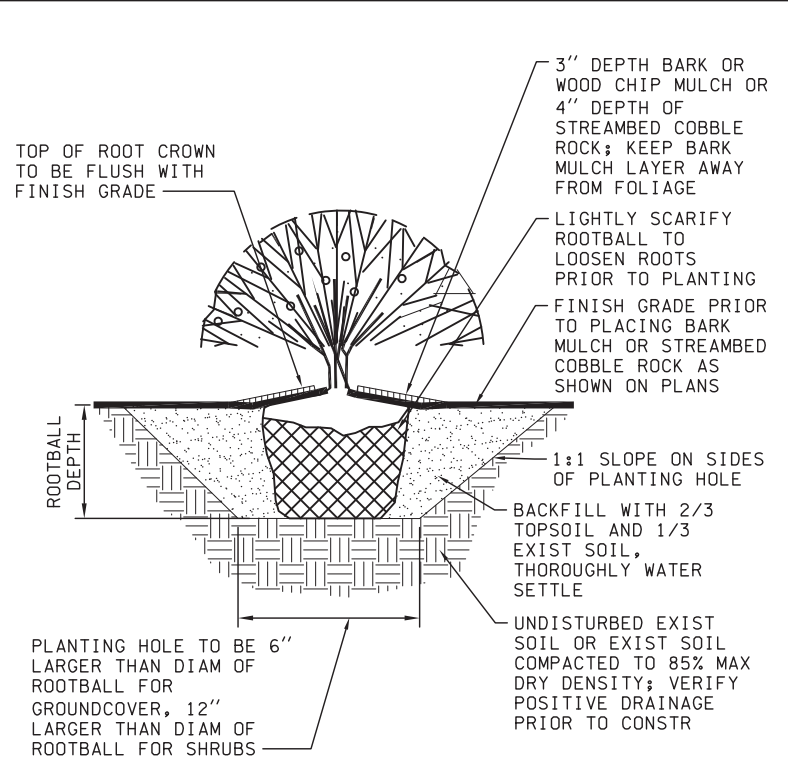
**STEP 3**  
INSTALL MIN COMPACTED 21" DEPTH OF TOPSOIL TYPE A1 IN 7" LIFTS. INSTALL FIRST LIFT OF SOIL AND INCORPORATE INTO 6" OF SCARIFIED SOIL (WHERE APPLICABLE) PRIOR TO INSTALLING FURTHER LIFTS. WATER SETTLE/ COMPACT EACH LIFT PRIOR TO INSTALLING THE NEXT LIFT. REVIEW FINISH GRADE AND COMPACTION WITH ENGINEER PRIOR TO PLANTING.

**NOTE:** FOR AREAS WHERE SLOPE IS EQUAL TO OR GREATER THAN 3:1, PROVIDE EROSION CONTROL FABRIC PRIOR TO STEP 4 PER WSDOT STANDARD DETAIL 1-60.10.01.

**STEP 4**  
INSTALL PLANTS. FOR AREAS WITH EROSION CONTROL FABRIC, CUT SLITS IN FABRIC TWICE AS LONG AS DIAM OF ROOTBALL PARALLEL TO SLOPE, FOLD FABRIC OVER PLANT ROOTBALLS.

**STEP 5**  
INSTALL 3" DEPTH BARK OR WOOD CHIP MULCH. INSTALL TOP OF BARK MULCH FLUSH WITH TOP OF ADJACENT CURB OR PAVING.

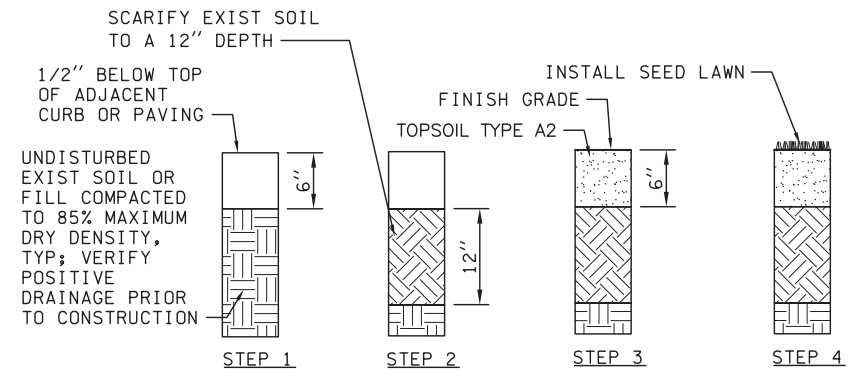
**NOTES**  
1. ALL DIMENSIONS INDICATE COMPACTED DEPTHS.



### 3 GROUNDCOVER AND SHRUB PLANTING

C09.50 NOT TO SCALE

C09.51  
C09.52  
C09.53  
C09.54  
C09.55  
C09.56



**STEP 1**  
EXCAVATE EXIST SOIL TO 6.5" DEPTH BELOW ADJACENT CURB OR PAVING. AVOID UNDERMINING ADJACENT CURB OR PAVING SUBBASE MATERIAL. REMOVE SUBBASE FILL MATERIAL FROM SEED LAWN AREA AND PROVIDE PERCOLATION TEST, PRIOR TO PROCEEDING TO STEP 2.

**STEP 2**  
SCARIFY EXIST SOIL TO A MIN 12" DEPTH. ENGR SHALL REVIEW & APPROVE WORK PRIOR TO PROCEEDING TO STEP 3.

**STEP 3**  
INSTALL MIN 6" DEPTH OF TOPSOIL TYPE A2. WATER SETTLE. REVIEW FINISH GRADE AND COMPACTION WITH ENGR PRIOR TO SEEDING.

**STEP 4**  
INSTALL SEED LAWN.

**NOTES**  
1. ALL DIMS INDICATE COMPACTED DEPTHS.

### 6 SEED SOIL PREPARATION

C09.40 NOT TO SCALE

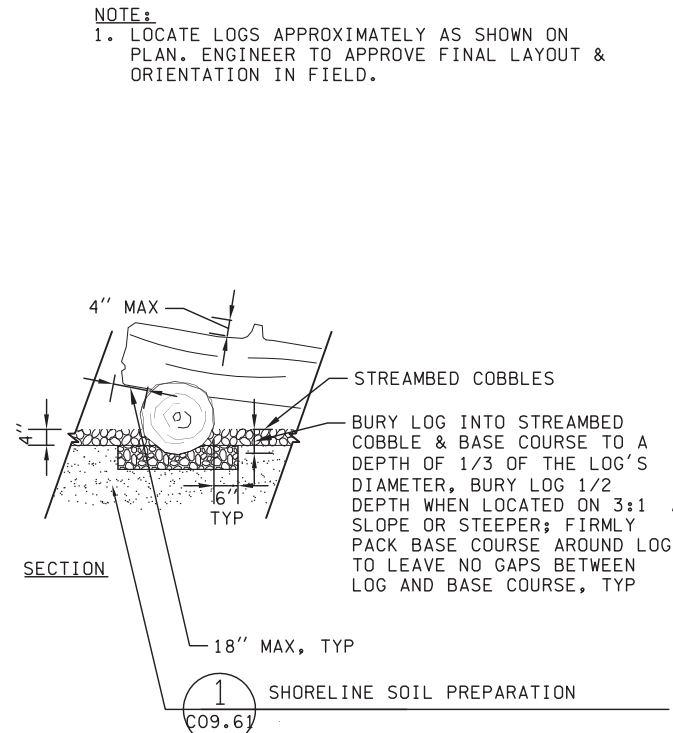
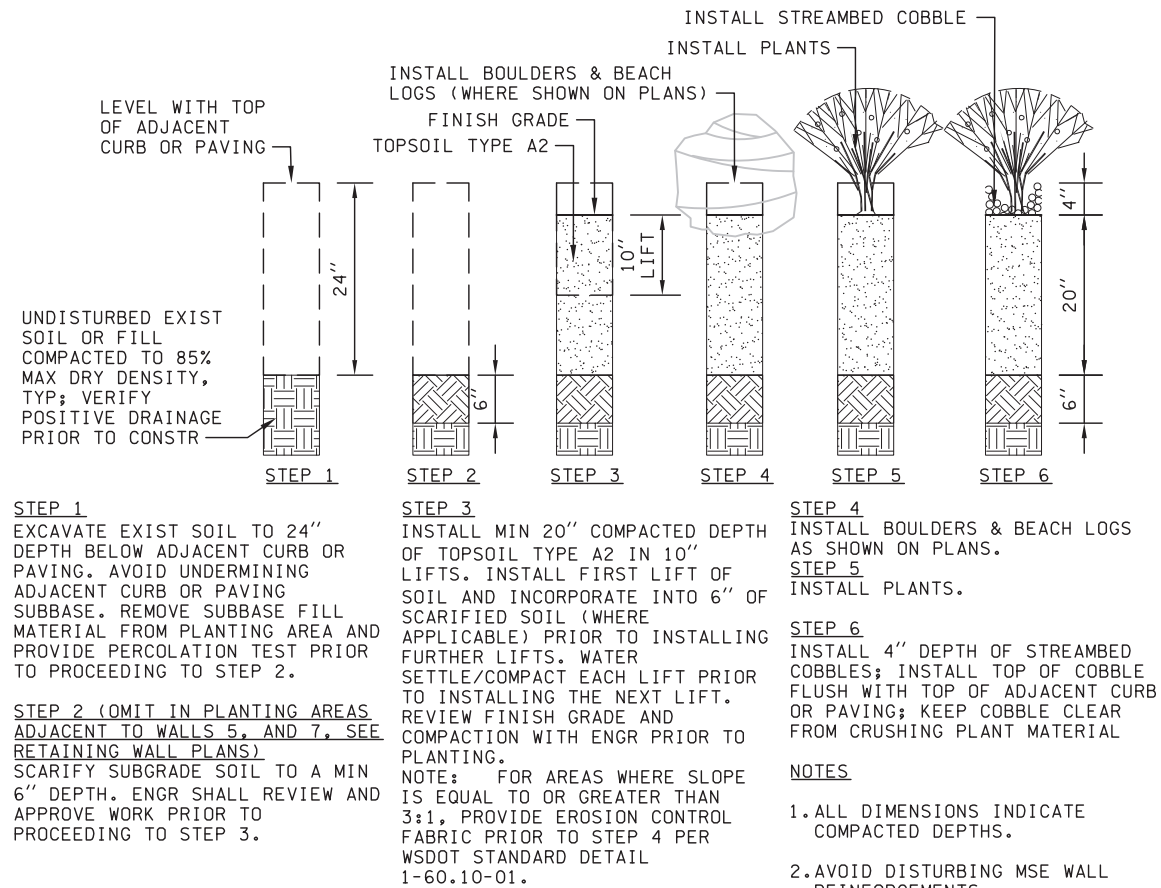


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MAR PROJ ENGR:	C. TORRES			18W121
DIR TERM ENGR:	N. MCINTOSH			CONTRACT NO.
ASST SECRETARY:	A. SCARTON			00*****
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SR525
MUKILTEO FERRY TERMINAL (PHASE 2)
FERRY TERMINAL CONSTRUCTION
PLANTING DETAILS

C09.60
SHEET
247
OF
1521
SHEETS



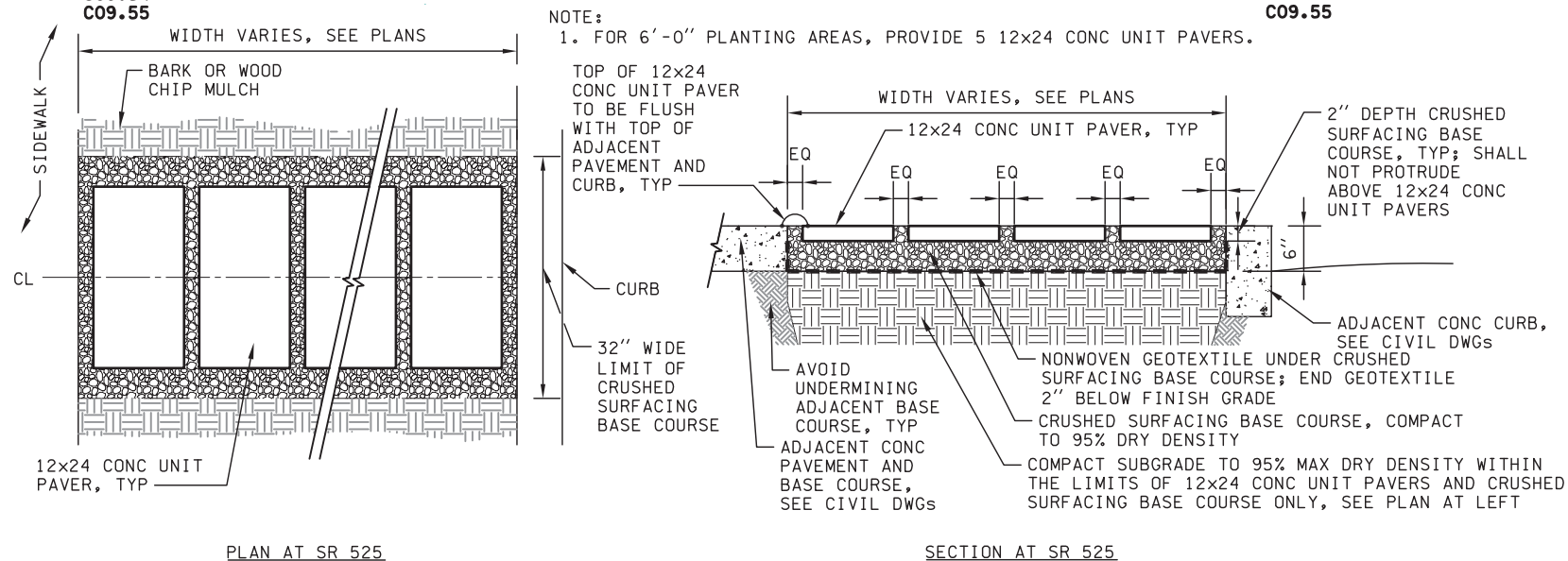
1 SHORELINE SOIL PREPARATION

C09.61 NOT TO SCALE

C09.53

C09.54

C09.55



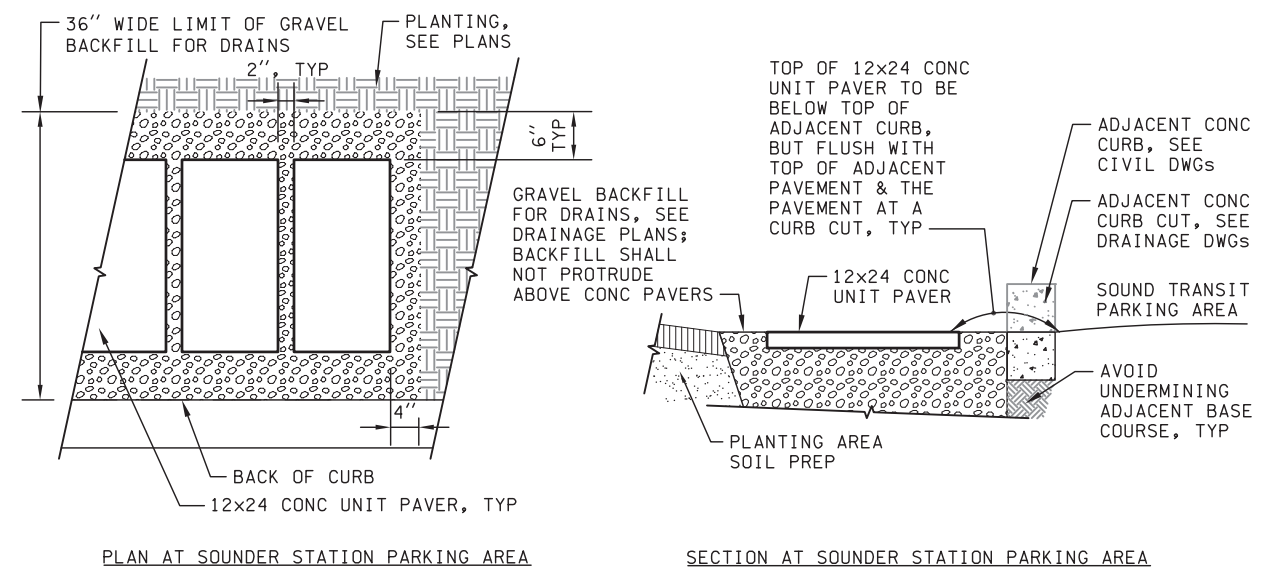
4 BEACH LOG INSTALLATION

C09.52 NOT TO SCALE

C09.53

C09.54

C09.55



2 CONCRETE UNIT PAVER INSTALLATION

C09.50 NOT TO SCALE

C09.51

C09.52

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SR525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION

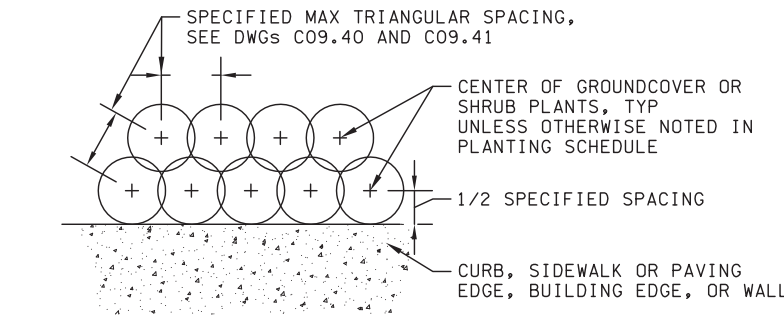
PLANTING DETAILS

C09.61

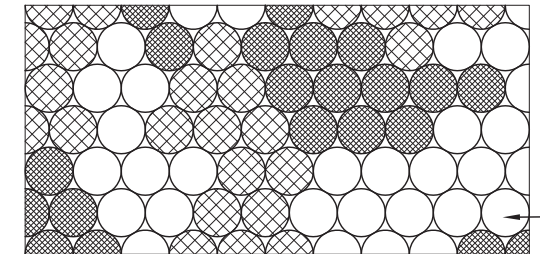
SHEET 248 OF 1521 SHEETS





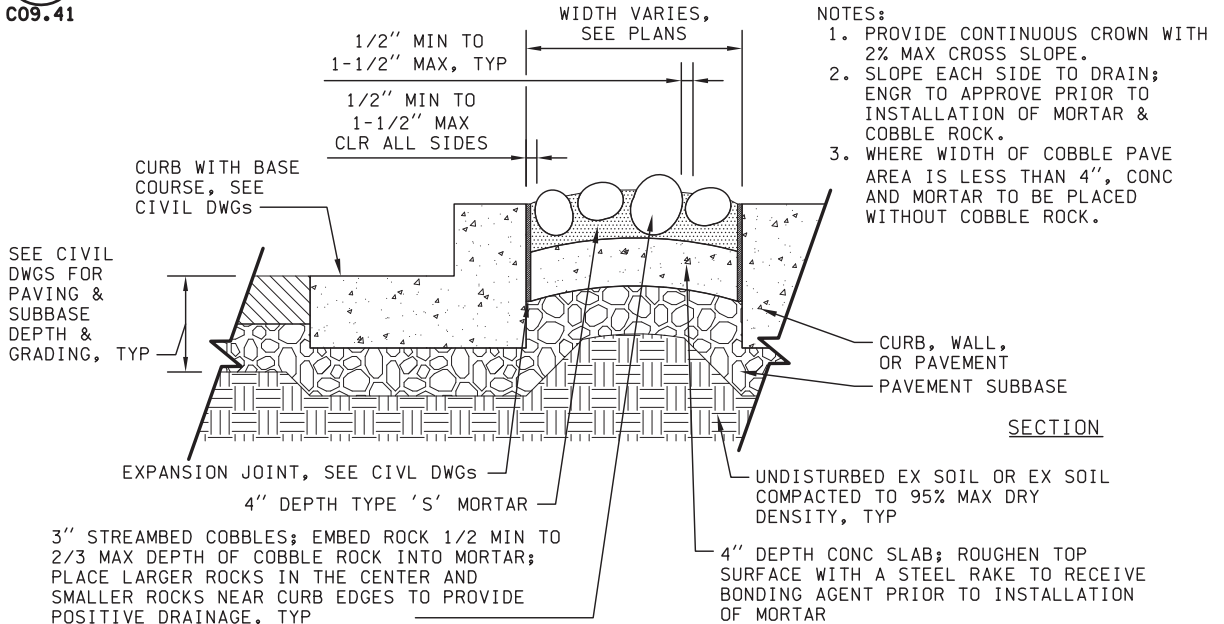


1 GROUNDCOVER & SHRUB LAYOUT  
C09.40 NOT TO SCALE  
C09.41

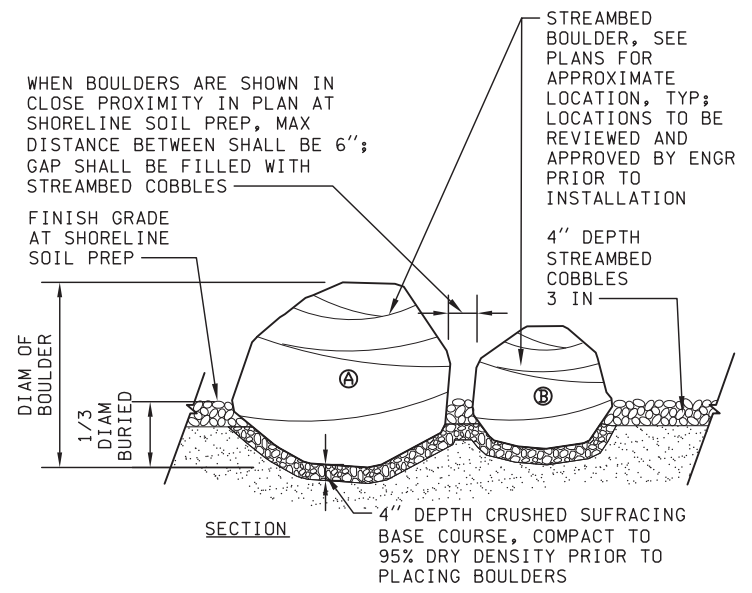


2 SAMPLE IRREGULAR PLANT ARRANGEMENT  
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C09.41

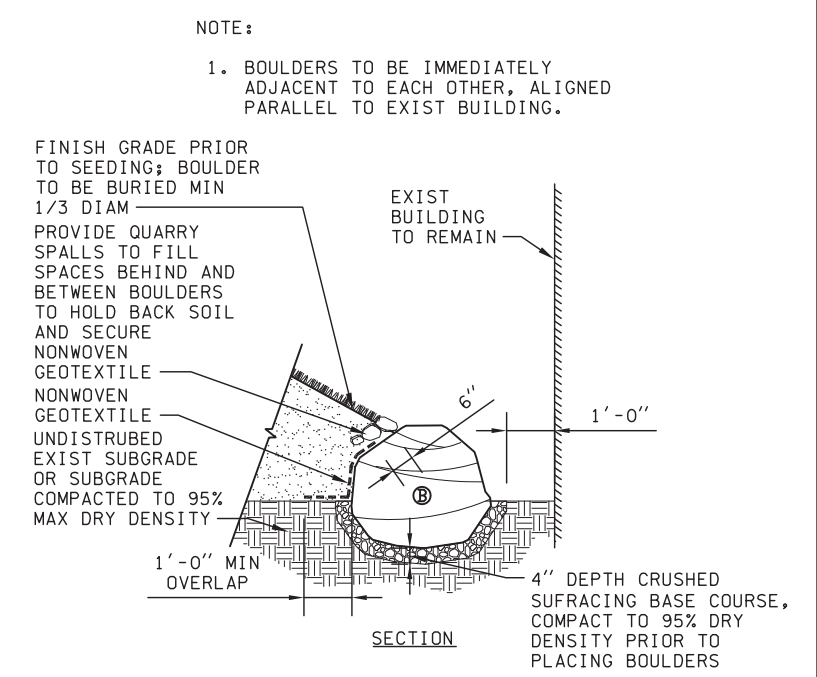
NOTES:  
1. PATTERN SHOWN REPRESENTS A SAMPLE OF IRREGULAR GROUPINGS OF PLANTS.  
2. CONTRACTOR TO PROVIDE A VARIETY OF GROUP SIZES TO ACCOMPLISH AN IRREGULAR PATTERNING OF PLANT GROUPINGS. NO PERFECT SQUARE, LINEAR, OR CIRCULAR SHAPED GROUPINGS ALLOWED.



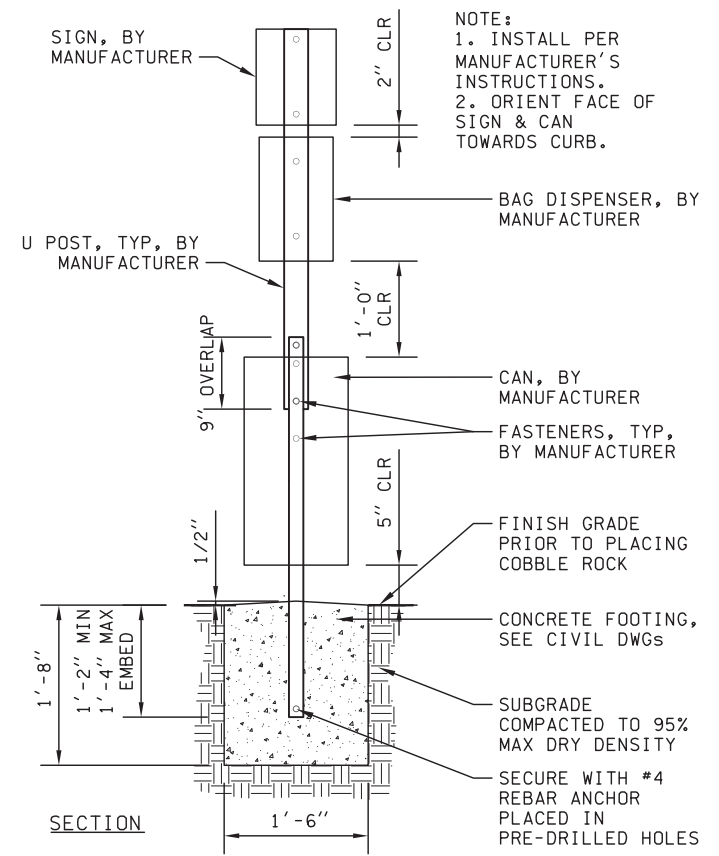
3 GRAVEL EDGE AT BUILDING  
C09.62 NOT TO SCALE



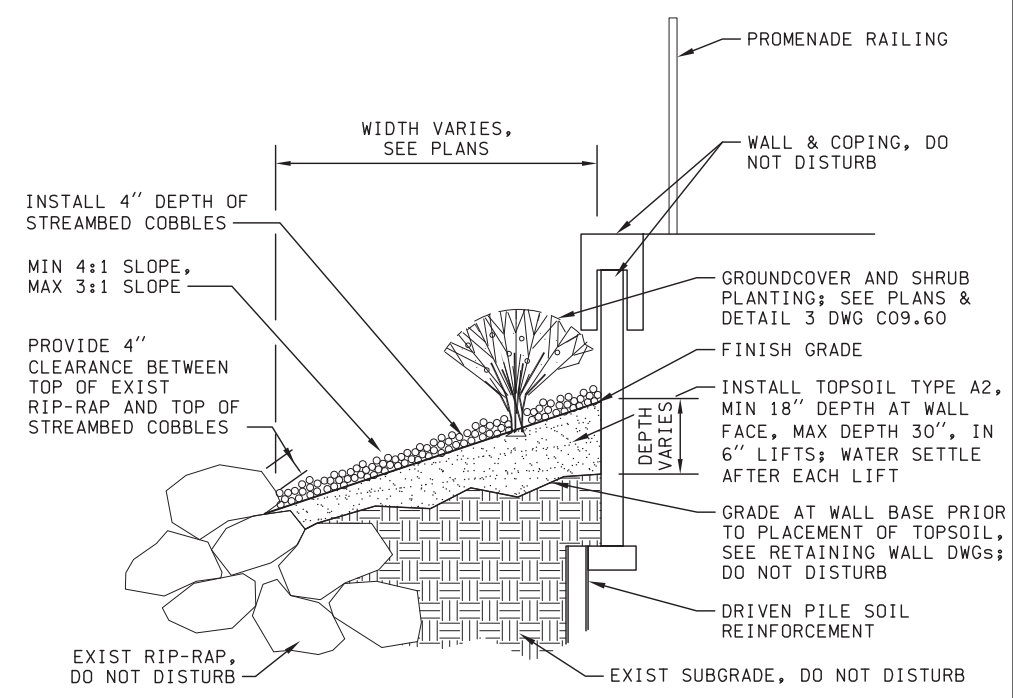
4 STREAMBED BOULDER INSTALLATION  
C09.52 NOT TO SCALE  
C09.53  
C09.54  
C09.55



5 ROCKERY WALL  
C09.53 NOT TO SCALE





6 DOG MITT STATION INSTALLAION  
C09.53 NOT TO SCALE  
C09.54  
C09.55



7 RIP-RAP AREA SOIL PREPARATION  
C09.53 NOT TO SCALE

8 STREAMBED COBBLES 3 IN EMBEDDED IN CONC  
C09.50 NOT TO SCALE  
C09.52  
C09.55

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CHECKED BY:	D. KOONTS	12/22/17		JOB NUMBER 18W121
MAR PROJ ENGR:	C. TORRES			CONTRACT NO. 00*****
DIR TERM ENGR:	N. MCINTOSH			
ASST SECRETARY:	A. SCARTON		REVISION	DATE BY



**Washington State**  
Department of Transportation  
WASHINGTON STATE FERRIES

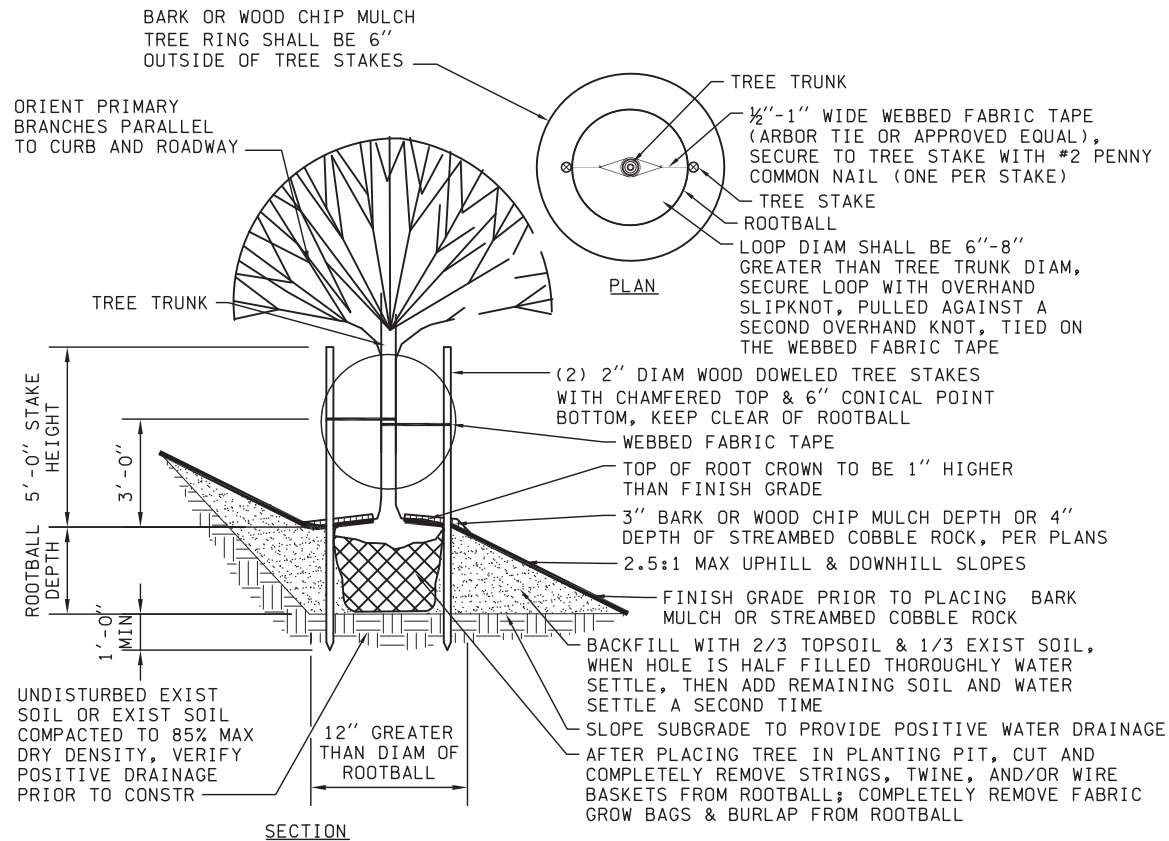
SR525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION

PLANTING DETAILS

C09.62

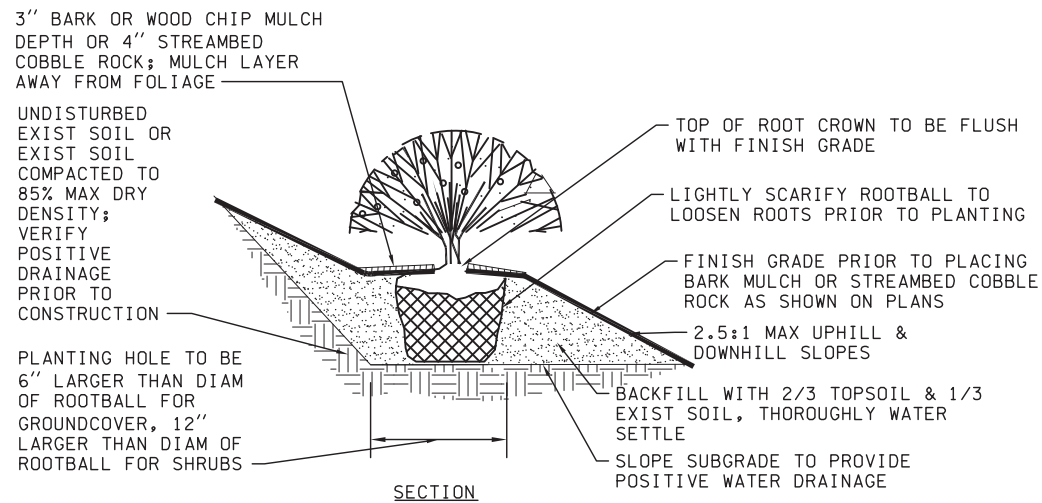
SHEET 249 OF 1521 SHEETS





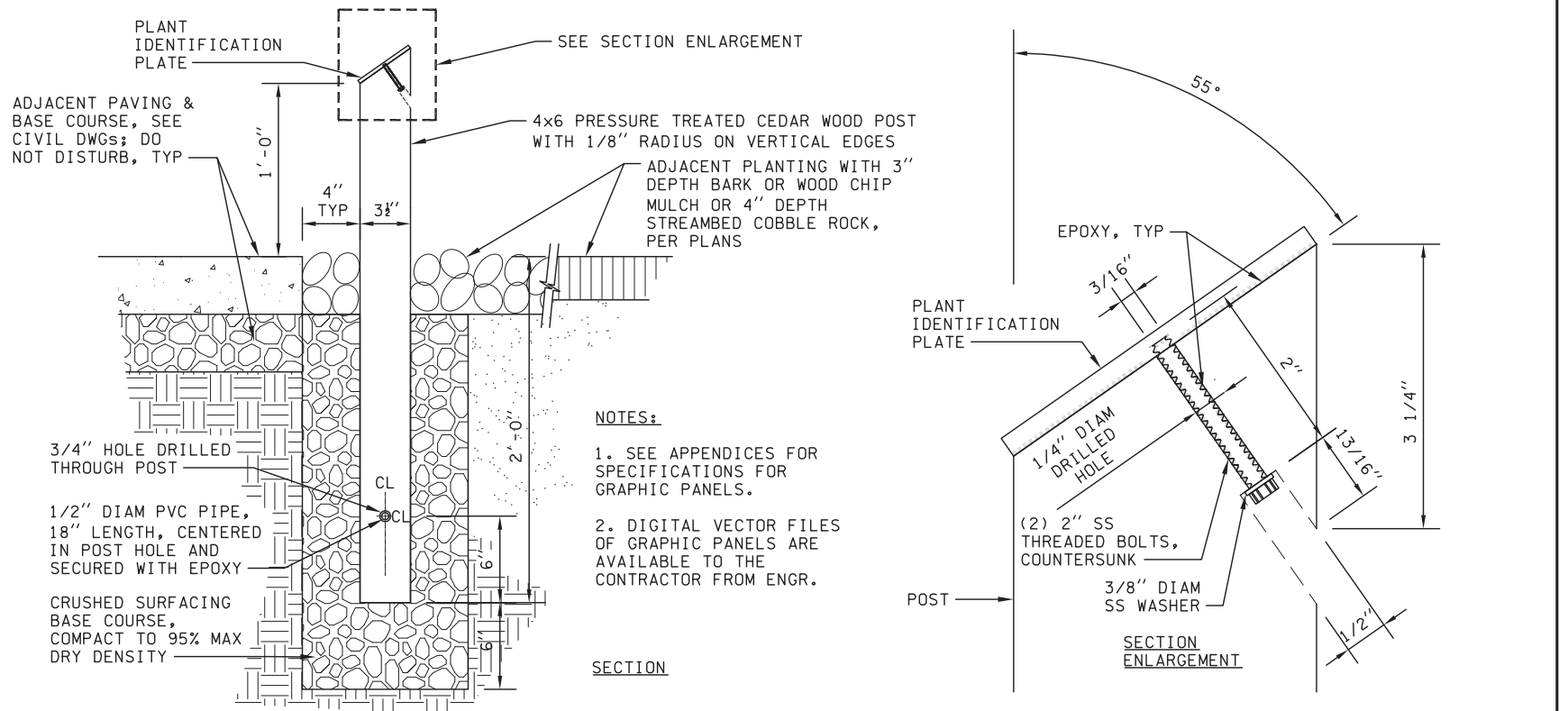
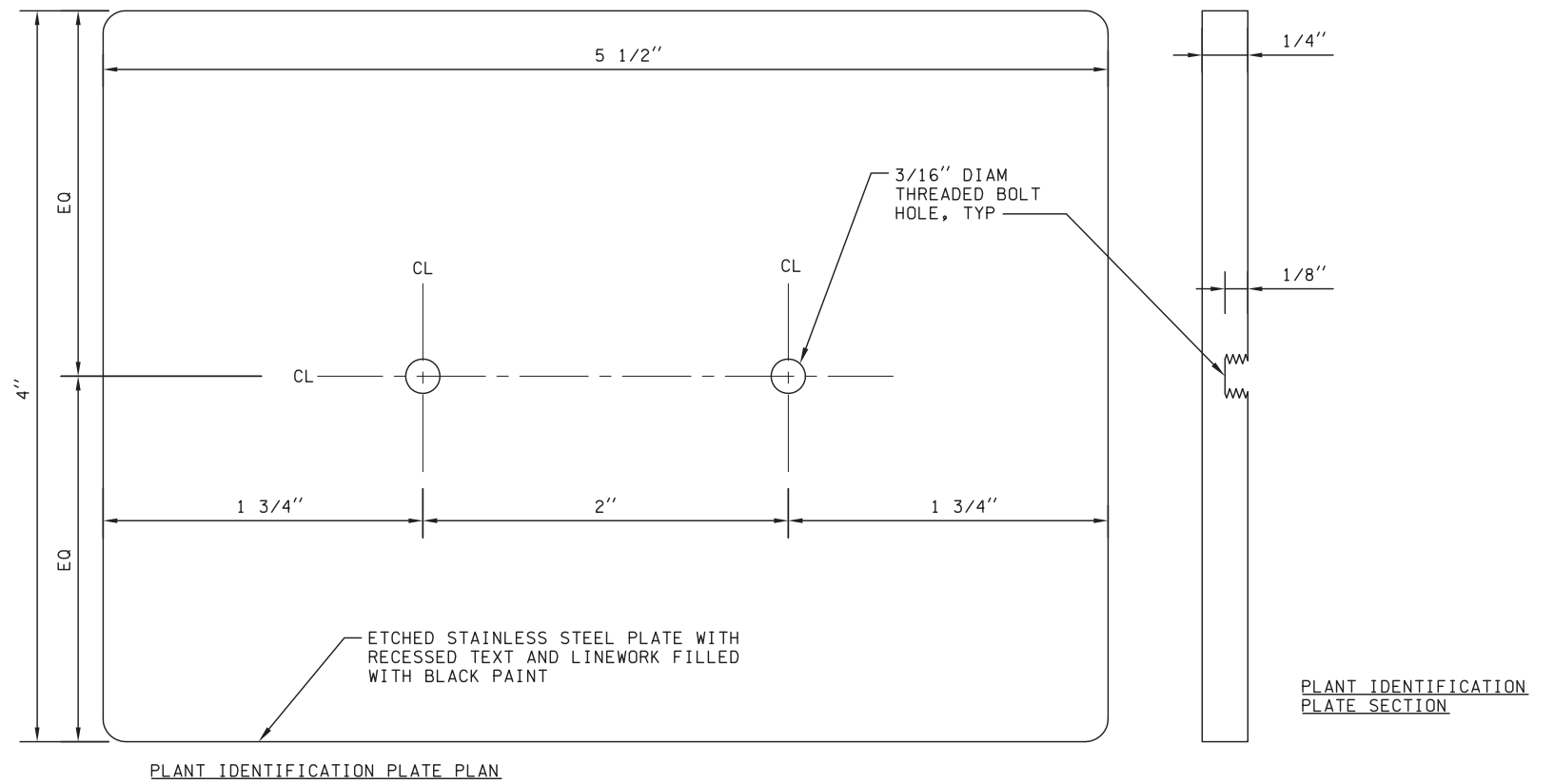
### 1 DECIDUOUS TREE PLANTING ON A SLOPE

C09.52 NOT TO SCALE



### 2 GROUNDCOVER & SHRUB PLANTING ON A SLOPE

C09.52 NOT TO SCALE



### 3 PLANT IDENTIFICATION SIGN

C09.63 NOT TO SCALE

FILE NAME: PW:\WSF\Mukilteo\14W121_FERRYTERMCONST\CADD\HBB\14w121c09_63.dwg				
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SUBMITTAL DATE:	12/22/2017	BHADDOX		WA-2017-007-00
DESIGNED BY:	J. VONG	12/22/17		REGION NO. STATE
ENTERED BY:	B. HADDOX	12/22/17		10 WASH
CHECKED BY:	D. KOONTS	12/22/17		JOB NUMBER
MAR PROJ ENGR:	C. TORRES			18W121
DIR TERM ENGR:	N. MCINTOSH			CONTRACT NO.
ASST SECRETARY:	A. SCARTON			00*****
	REVISION	DATE	BY	



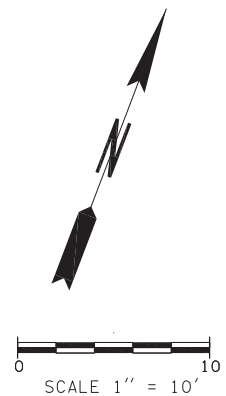
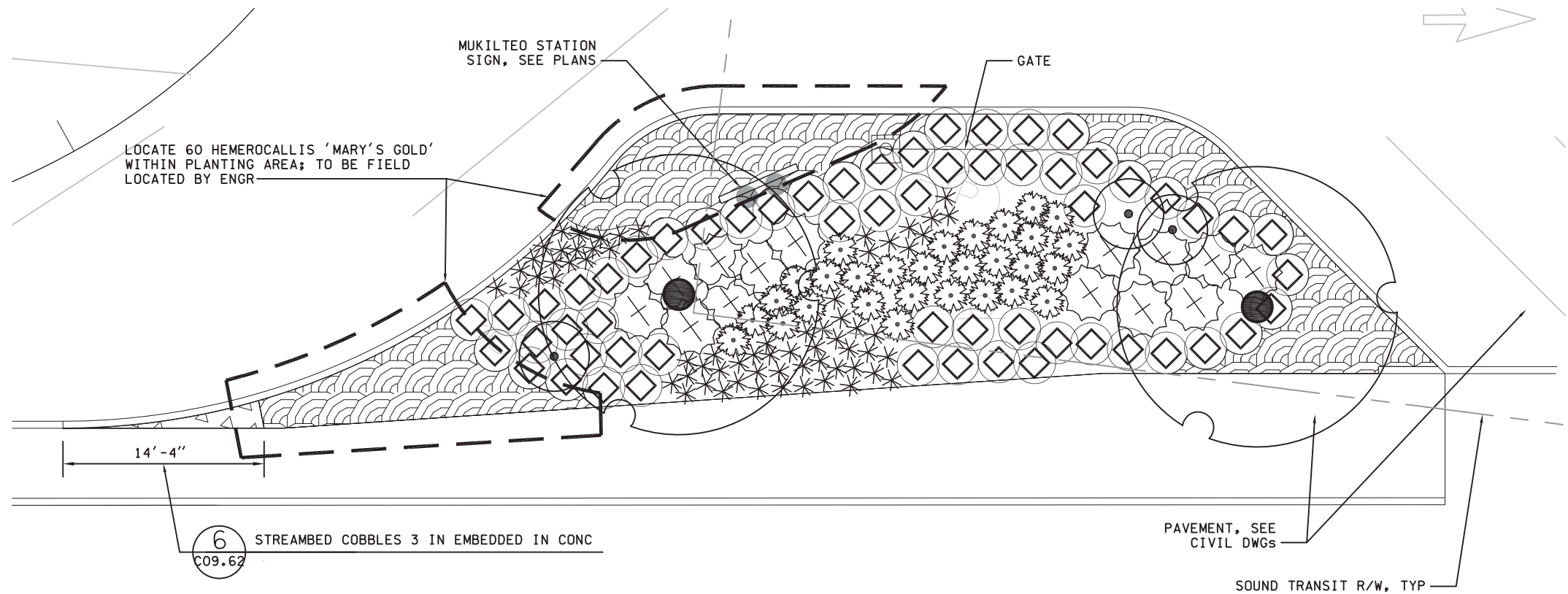
SR525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION

PLANTING DETAILS

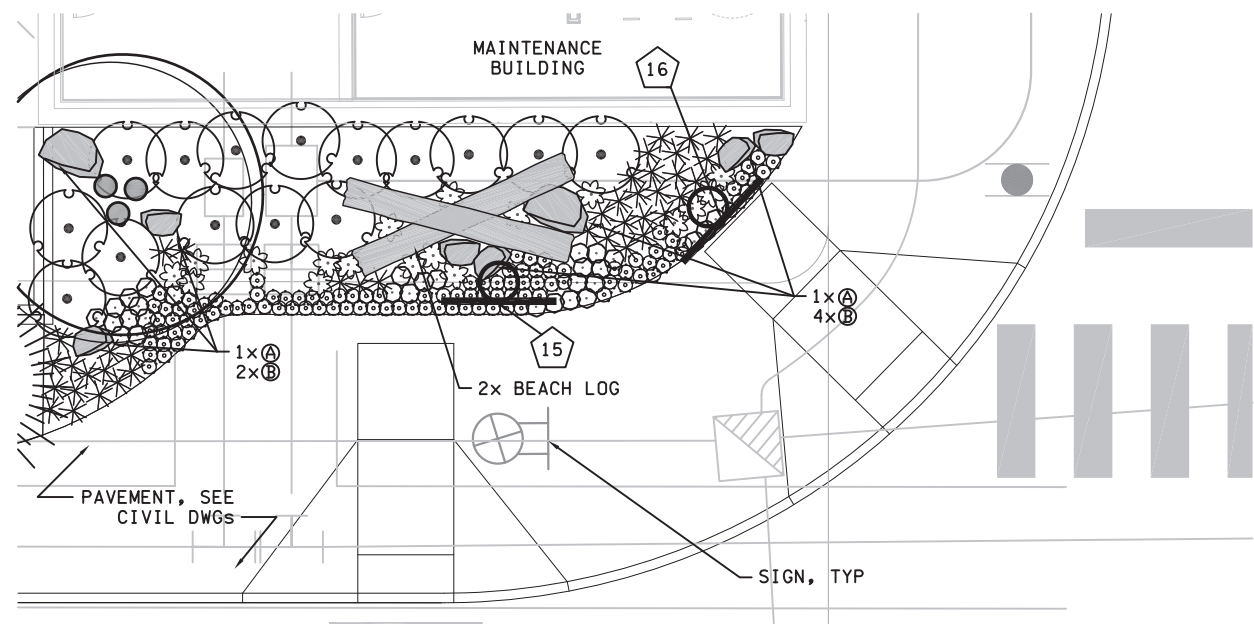
C09.63

SHEET  
250  
OF  
1521  
SHEETS





# 1 PLANTING ENLARGEMENT 1 C09.51 NOT TO SCALE



# 2 PLANTING ENLARGEMENT 2 C09.52 NOT TO SCALE



FILE NAME: PW:\WSF\Mukilteo\14W121_FERRYTERMCONST\CADD\HBB\14w121c09_64.dlv					
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SUBMITTAL DATE:	12/22/2017	BHADDOX			WA-2017-007-00
DESIGNED BY:	J. VONG	12/22/17			REGION NO. STATE
ENTERED BY:	B. HADDOX	12/22/17			10 WASH
CHECKED BY:	D. KOONTS	12/22/17			JOB NUMBER 18W121
MAR PROJ ENGR:	C. TORRES				CONTRACT NO. 00*****
DIR TERM ENGR:	N. MCINTOSH				
ASST SECRETARY:	A. SCARTON		REVISION	DATE	BY



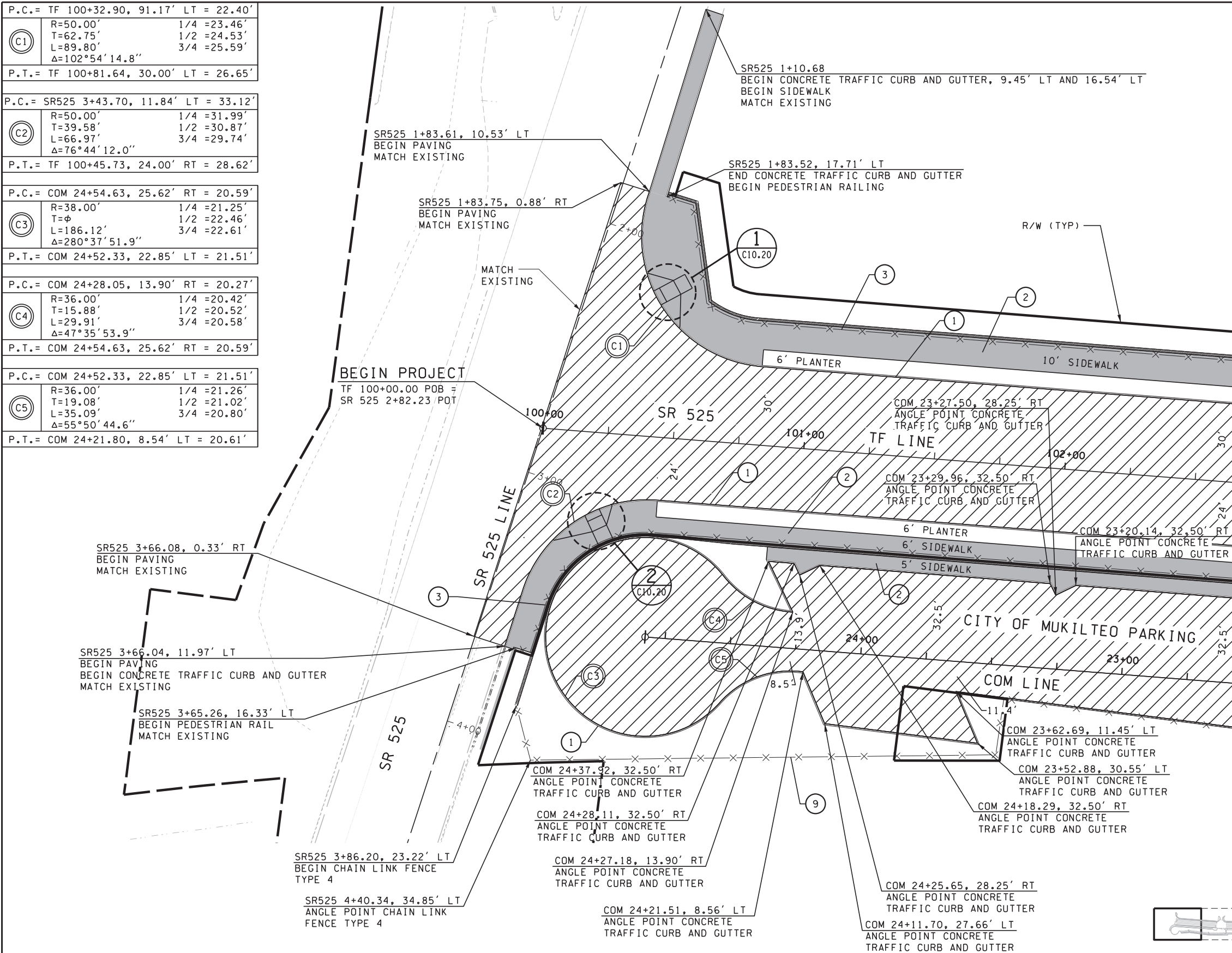
SR525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION

PLANTING ENLARGEMENTS

C09.64  
SHEET  
251  
OF  
1521  
SHEETS



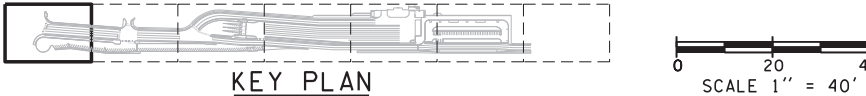
P.C.= TF 100+32.90, 91.17' LT = 22.40'		
C1	R=50.00'	1/4 =23.46'
	T=62.75'	1/2 =24.53'
	L=89.80'	3/4 =25.59'
	$\Delta=102^{\circ}54'14.8''$	
P.T.= TF 100+81.64, 30.00' LT = 26.65'		
P.C.= SR525 3+43.70, 11.84' LT = 33.12'		
C2	R=50.00'	1/4 =31.99'
	T=39.58'	1/2 =30.87'
	L=66.97'	3/4 =29.74'
	$\Delta=76^{\circ}44'12.0''$	
P.T.= TF 100+45.73, 24.00' RT = 28.62'		
P.C.= COM 24+54.63, 25.62' RT = 20.59'		
C3	R=38.00'	1/4 =21.25'
	T= $\phi$	1/2 =22.46'
	L=186.12'	3/4 =22.61'
	$\Delta=280^{\circ}37'51.9''$	
P.T.= COM 24+52.33, 22.85' RT = 21.51'		
P.C.= COM 24+28.05, 13.90' RT = 20.27'		
C4	R=36.00'	1/4 =20.42'
	T=15.88'	1/2 =20.52'
	L=29.91'	3/4 =20.58'
	$\Delta=47^{\circ}35'53.9''$	
P.T.= COM 24+54.63, 25.62' RT = 20.59'		
P.C.= COM 24+52.33, 22.85' LT = 21.51'		
C5	R=36.00'	1/4 =21.26'
	T=19.08'	1/2 =21.02'
	L=35.09'	3/4 =20.80'
	$\Delta=55^{\circ}50'44.6''$	
P.T.= COM 24+21.80, 8.54' LT = 20.61'		



- NOTES:**
- SEE ROADWAY ALIGNMENT PLANS FOR ALIGNMENT DATA, SHEETS C06.10 TO C06.16.
  - SEE SITE PREPARATION PLANS FOR PAVEMENT SAWCUT, SHEETS C04.10 TO C04.16.
  - UTILITIES NOT SHOWN FOR CLARITY.
  - ALL DRAINAGE & UTILITY STRUCTURES WITHIN THE PROJECT LIMITS SHALL BE ADJUSTED TO GRADE UNLESS OTHERWISE NOTED ON UTILITY PLANS.
  - SEE TYPICAL ROADWAY SECTIONS FOR ADDITIONAL PAVEMENT DEPTHS AND WIDTHS, SHEETS C06.40 TO C06.44.
  - SEE WALL PLANS FOR ADDITIONAL INFORMATION, C15.10 TO C15.33.
  - FLOW TEST FINISHED GRADE AT FLOWLINE TO ENSURE THAT NO PONDING OCCURS. TESTING SHALL INCLUDE APPLICATION OF WATER AT THE HIGH POINT OF THE FLOWLINE TO ENSURE WATER FLOWS FREELY.
  - SEE ADA RAMP DETAIL SHEETS FOR ADDITIONAL INFORMATION, C10.20 TO C10.31.
  - SEE BUILDING PLANS FOR FOUNDATIONS AND OTHER ITEMS RELATED TO THE BUILDINGS, SHEETS SX00.10 TO SX01.15.
  - SEE DRAINAGE PLANS FOR CURB CUT LOCATIONS, SHEETS C07.10 TO C07.16.
  - SEE SR525 MUKILTEO MULTIMODAL TERMINAL - PHASE 2 PAVEMENT DESIGN REPORT FOR ADDITIONAL INFORMATION ON PAVEMENT SECTIONS.
  - COORDINATE TIE IN WITH EXISTING SOUND TRANSIT ARBOR AS DIRECTED BY ENGINEER.
  - RESTORE PAVING ALONG SOUND TRANSIT PROPERTY AS NECESSARY.

- LEGEND:**
- IMPERVIOUS PAVEMENT
  - TEMPORARY PAVEMENT: SIDEWALK
  - PERVIOUS CONCRETE PAVEMENT: WSF TERMINAL
  - CONCRETE SIDEWALK
  - CONCRETE PAVEMENT
  - RETAINING WALL (SEE WALL PLANS)
  - FENCE / PEDESTRIAN RAIL

- CONSTRUCTION NOTES:**
- CONSTRUCT CEMENT CONCRETE TRAFFIC CURB AND GUTTER PER WSDOT STD. PLAN F-10.12-03
  - CONSTRUCT CEMENT CONCRETE SIDEWALK PER WSDOT STD. PLAN F-30.10-03
  - INSTALL PEDESTRIAN RAILING OR FENCE PER WALL PLAN SHEETS
  - INSTALL CHAIN LINK FENCE TYPE 4 PER WSDOT STD. PLAN L-20.10-3



FILE NAME: WSF\Mukilteo\14W121_FerryTermConst\CADD\JACOBS\14w121c10-10.dwg				FED.AID PROJ.NO.		SR 525		C10.10	
PRINTED: 8:37:44 AM 8/22/2018	LAST PRINTED BY:			WA-2017-007-00		MUKILTEO FERRY TERMINAL (PHASE 2)		SHEET	
SUBMITTAL DATE: 08/23/18	CONRADCS			REGION NO. STATE		FERRY TERMINAL CONSTRUCTION		252	
DESIGNED BY: M. PANICK	8/22/2018			10 WASH		PAVING PLAN		OF	
ENTERED BY: C. CONRAD	8/22/2018			JOB NUMBER				1521	
CHECKED BY: J. SCHENKMAN	8/22/2018			18W121				SHEETS	
MAR PROJ ENGR: C. TORRES				CONTRACT NO.					
DIR TERM ENGR: N. MCINTOSH				00****					
ASST SECRETARY: A. SCARTON									
REVISION		DATE	BY						



# NOTES:

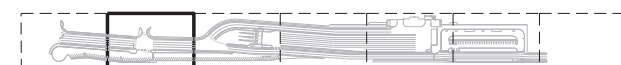
- SEE ROADWAY ALIGNMENT PLANS FOR ALIGNMENT DATA, SHEETS C06.10 TO C06.16.
- SEE SITE PREPARATION PLANS FOR PAVEMENT SAWCUT, SHEETS C04.10 TO C04.16.
- UTILITIES NOT SHOWN FOR CLARITY.
- ALL DRAINAGE & UTILITY STRUCTURES WITHIN THE PROJECT LIMITS SHALL BE ADJUSTED TO GRADE UNLESS OTHERWISE NOTED ON UTILITY PLANS.
- SEE TYPICAL ROADWAY SECTIONS FOR ADDITIONAL PAVEMENT DEPTHS AND WIDTHS, SHEETS C06.40 TO C06.44.
- SEE WALL PLANS FOR ADDITIONAL INFORMATION, C15.10 TO C15.33.
- FLOW TEST FINISHED GRADE AT FLOWLINE TO ENSURE THAT NO PONDING OCCURS. TESTING SHALL INCLUDE APPLICATION OF WATER AT THE HIGH POINT OF THE FLOWLINE TO ENSURE WATER FLOWS FREELY.
- SEE ADA RAMP DETAIL SHEETS FOR ADDITIONAL INFORMATION, C10.20 TO C10.31.
- SEE BUILDING PLANS FOR FOUNDATIONS AND OTHER ITEMS RELATED TO THE BUILDINGS, SHEETS SX00.10 TO SX01.15.
- SEE DRAINAGE PLANS FOR CURB CUT LOCATIONS, SHEETS C07.10 TO C07.16.
- SEE SR525 MUKILTEO MULTIMODAL TERMINAL - PHASE 2 PAVEMENT DESIGN REPORT FOR ADDITIONAL INFORMATION ON PAVEMENT SECTIONS.
- COORDINATE TIE IN WITH EXISTING SOUND TRANSIT ARBOR AS DIRECTED BY ENGINEER.
- RESTORE PAVING ALONG SOUND TRANSIT PROPERTY AS NECESSARY.

# LEGEND:

- IMPERVIOUS PAVEMENT
- TEMPORARY PAVEMENT: SIDEWALK
- PERVIOUS CONCRETE PAVEMENT: WSF TERMINAL
- CONCRETE SIDEWALK
- CONCRETE PAVEMENT
- RETAINING WALL (SEE WALL PLANS)
- FENCE / PEDESTRIAN RAIL

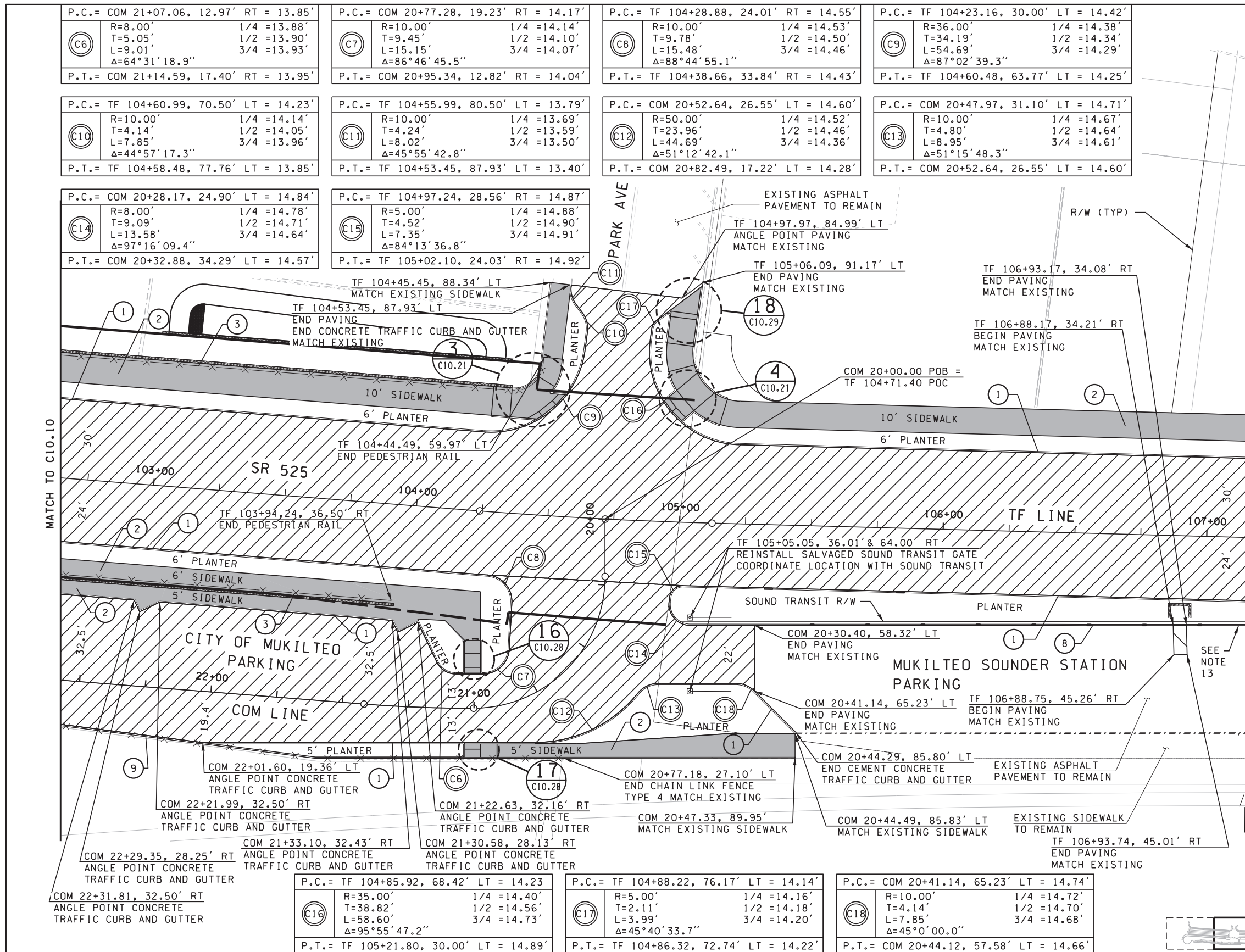
# CONSTRUCTION NOTES:

- CONSTRUCT CEMENT CONCRETE TRAFFIC CURB AND GUTTER PER WSDOT STD. PLAN F-10.12-03
- CONSTRUCT CEMENT CONCRETE SIDEWALK PER WSDOT STD. PLAN F-30.10-03
- INSTALL PEDESTRIAN RAILING OR FENCE PER WALL PLAN SHEETS
- INSTALL CURB CUTS PER DRAINAGE PLANS SHEETS C07.10 TO C07.16
- INSTALL CHAIN LINK FENCE TYPE 4 PER WSDOT STD. PLAN L-20.10-3



KEY PLAN

SCALE 1" = 40'



FILE NAME: WSF\Mukilteo\14W121\_FerryTermConst\CADD\JACOBS\14w121c10-11.dwg

PRINTED: 8:37:50 AM 8/22/2018

SUBMITTAL DATE: 08/23/18

DESIGNED BY: M. PANICK

ENTERED BY: C. CONRAD

CHECKED BY: J. SCHENKMAN

MAR PROJ ENGR: C. TORRES

DIR TERM ENGR: N. MCINTOSH

ASST SECRETARY: A. SCARTON

LAST PRINTED BY:

Contract:

8/22/2018

8/22/2018

8/22/2018

REVISION

DATE

BY

FED.AID  
PROJ.NO.

WA-2017-007-00

REGION NO. STATE

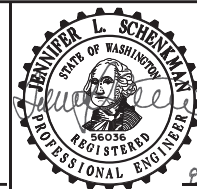
10 WASH

JOB NUMBER

18W121

CONTRACT NO.

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SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION

PAVING PLAN

C10.11

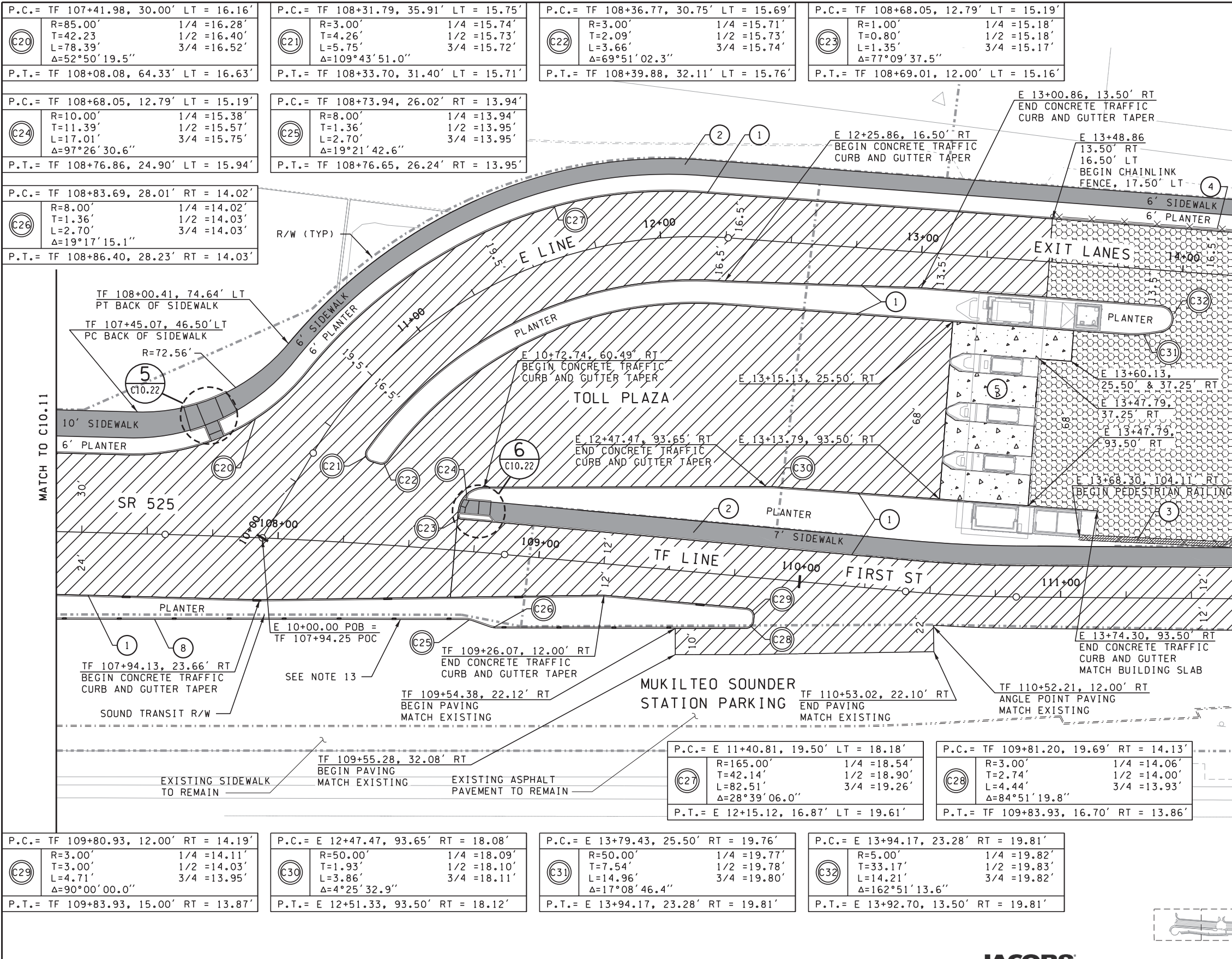
SHEET

253

OF

1521

SHEETS



FILE NAME: WSFMukilteo14W121_FerryTermConst\CADD\JACOBS\14w121c10-12.dwg			
PRINTED: 7:07:25 AM 9/24/2018	LAST PRINTED BY: DanielJL		
SUBMITTAL DATE: 09/21/18			
DESIGNED BY: P. CROWLEY	9/24/2018		
ENTERED BY: N. LAUGHLIN	9/24/2018		
CHECKED BY: M. PANICK	9/24/2018		
MAR PROJ ENGR: C. TORRES			
DIR TERM ENGR: N. MCINTOSH			
ASST SECRETARY: A. SCARTON			
	REVISION	DATE	BY

FED.AID PROJ.NO.	WA-2017-007-00
REGION NO. STATE	10 WASH
JOB NUMBER	18W121
CONTRACT NO.	00*****



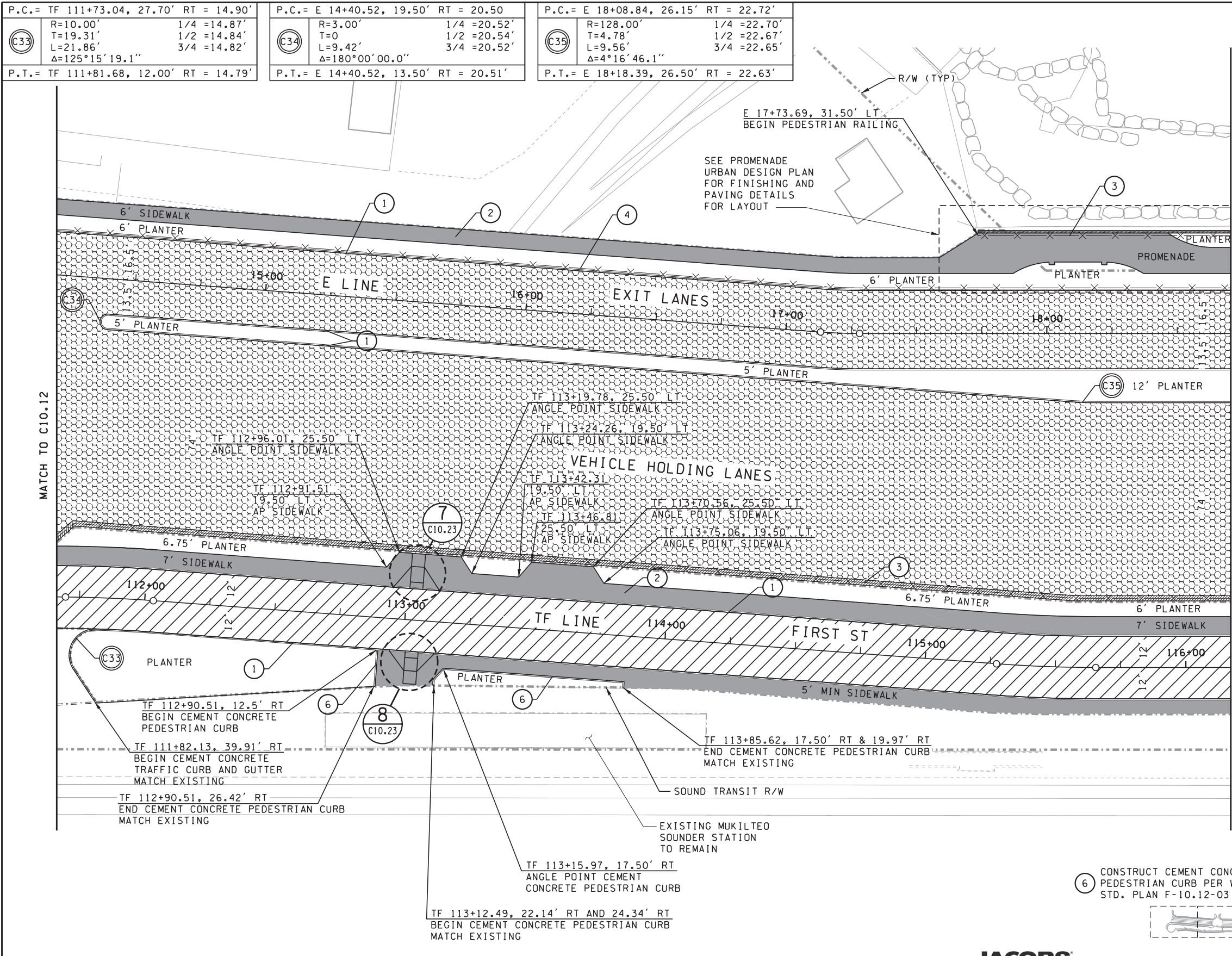
SR 525 MUKILTEO FERRY TERMINAL (PHASE 2) FERRY TERMINAL CONSTRUCTION	C10.12
PAVING PLAN	SHEET 254 OF 1521 SHEETS



P.C.= TF 111+73.04, 27.70' RT = 14.90'	
(C33) R=10.00' 1/4 =14.87'	
T=19.31' 1/2 =14.84'	
L=21.86' 3/4 =14.82'	
Δ=125°15'19.1"	
P.T.= TF 111+81.68, 12.00' RT = 14.79'	

P.C.= E 14+40.52, 19.50' RT = 20.50	
(C34) R=3.00' 1/4 =20.52'	
T=0 1/2 =20.54'	
L=9.42' 3/4 =20.52'	
Δ=180°00'00.0"	
P.T.= E 14+40.52, 13.50' RT = 20.51'	

P.C.= E 18+08.84, 26.15' RT = 22.72'	
(C35) R=128.00' 1/4 =22.70'	
T=4.78' 1/2 =22.67'	
L=9.56' 3/4 =22.65'	
Δ=4°16'46.1"	
P.T.= E 18+18.39, 26.50' RT = 22.63'	



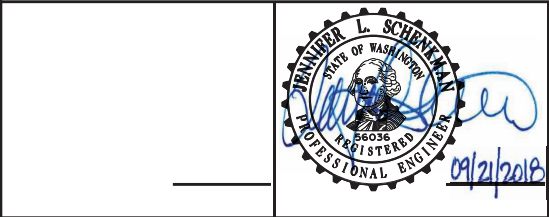
- NOTES:**
- SEE ROADWAY ALIGNMENT PLANS FOR ALIGNMENT DATA, SHEETS C06.10 TO C06.16.
  - SEE SITE PREPARATION PLANS FOR PAVEMENT SAWCUT, SHEETS C04.10 TO C04.16.
  - UTILITIES NOT SHOWN FOR CLARITY.
  - ALL DRAINAGE & UTILITY STRUCTURES WITHIN THE PROJECT LIMITS SHALL BE ADJUSTED TO GRADE UNLESS OTHERWISE NOTED ON UTILITY PLANS.
  - SEE TYPICAL ROADWAY SECTIONS FOR ADDITIONAL PAVEMENT DEPTHS AND WIDTHS, SHEETS C06.40 TO C06.44.
  - SEE WALL PLANS FOR ADDITIONAL INFORMATION, C15.10 TO C15.33.
  - FLOW TEST FINISHED GRADE AT FLOWLINE TO ENSURE THAT NO PONDING OCCURS. TESTING SHALL INCLUDE APPLICATION OF WATER AT THE HIGH POINT OF THE FLOWLINE TO ENSURE WATER FLOWS FREELY.
  - SEE ADA RAMP DETAIL SHEETS FOR ADDITIONAL INFORMATION, C10.20 TO C10.31.
  - SEE BUILDING PLANS FOR FOUNDATIONS AND OTHER ITEMS RELATED TO THE BUILDINGS, SHEETS SX00.10 TO SX01.15.
  - SEE DRAINAGE PLANS FOR CURB CUT LOCATIONS, SHEETS C07.10 TO C07.16.
  - SEE SR525 MUKILTEO MULTIMODAL TERMINAL - PHASE 2 PAVEMENT DESIGN REPORT FOR ADDITIONAL INFORMATION ON PAVEMENT SECTIONS.
  - COORDINATE TIE IN WITH EXISTING SOUND TRANSIT ARBOR AS DIRECTED BY ENGINEER.
  - RESTORE PAVING ALONG SOUND TRANSIT PROPERTY AS NECESSARY.

- LEGEND:**
- IMPERVIOUS PAVEMENT
  - TEMPORARY PAVEMENT: SIDEWALK
  - PERVIOUS CONCRETE PAVEMENT: WSF TERMINAL
  - CONCRETE SIDEWALK
  - CONCRETE PAVEMENT
  - RETAINING WALL (SEE WALL PLANS)
  - FENCE / PEDESTRIAN RAIL

- CONSTRUCTION NOTES:**
- CONSTRUCT CEMENT CONCRETE TRAFFIC CURB AND GUTTER PER WSDOT STD. PLAN F-10.12-03
  - CONSTRUCT CEMENT CONCRETE SIDEWALK PER WSDOT STD. PLAN F-30.10-03
  - INSTALL PEDESTRIAN RAILING OR FENCE PER WALL PLAN SHEETS
  - INSTALL BLACK VINYL COATED TYPE 3 CHAINLINK FENCE PER WSDOT STD. PLAN L-20.10-03.

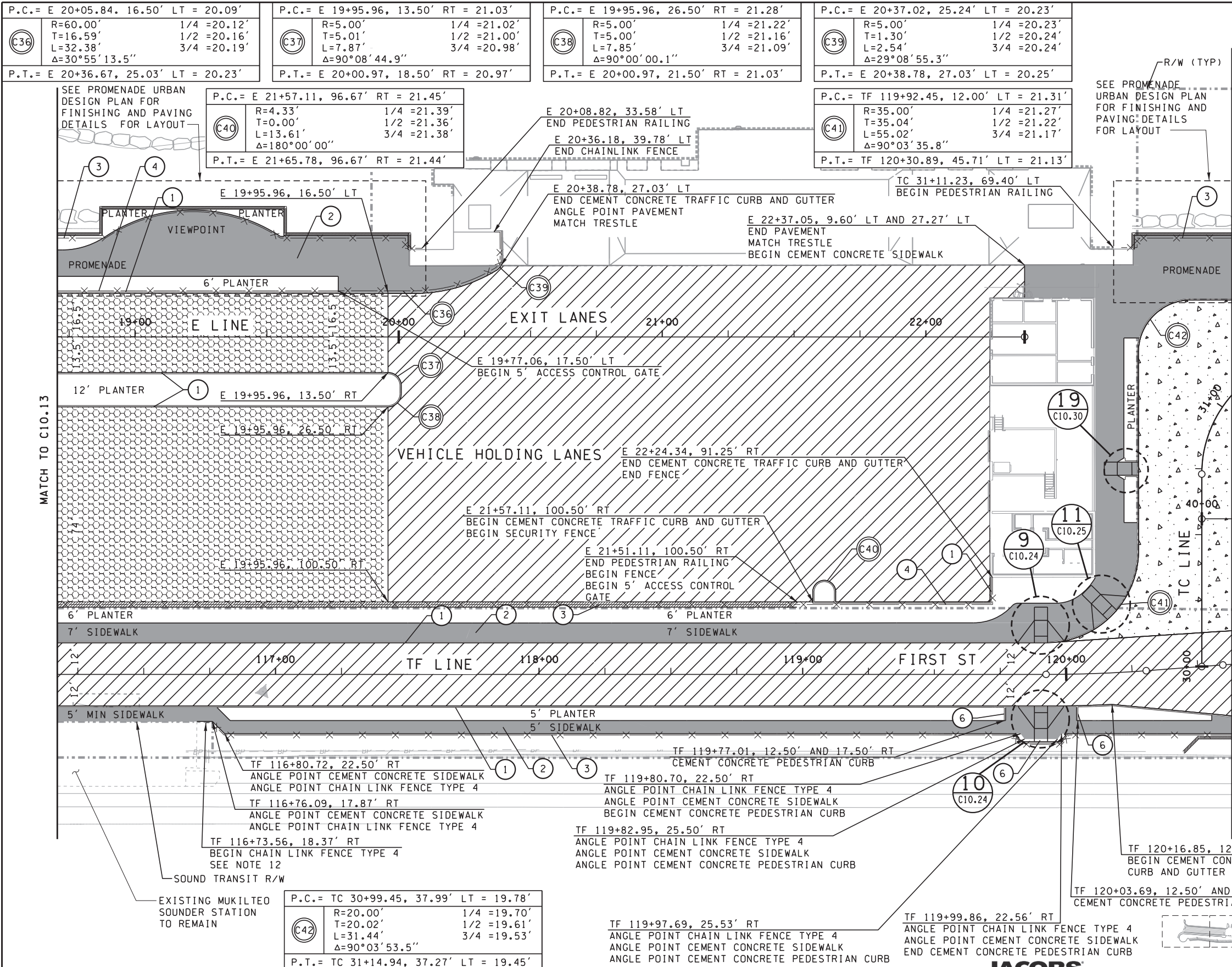


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SUBMITTAL DATE: 09/21/18			WA-2017-007-00
DESIGNED BY: M. PANICK	9/24/2018		REGION NO. STATE
ENTERED BY: C. CONRAD	9/24/2018		10 WASH
CHECKED BY: J. SCHENKMAN	9/24/2018		JOB NUMBER
MAR PROJ ENGR: C. TORRES			18W121
DIR TERM ENGR: N. MCINTOSH			CONTRACT NO.
ASST SECRETARY: A. SCARTON			00****
	REVISION	DATE	BY



SR 525 MUKILTEO FERRY TERMINAL (PHASE 2) FERRY TERMINAL CONSTRUCTION	C10.13
	SHEET 255 OF 1521 SHEETS
PAVING PLAN	

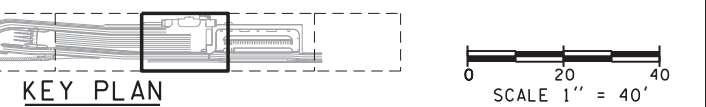


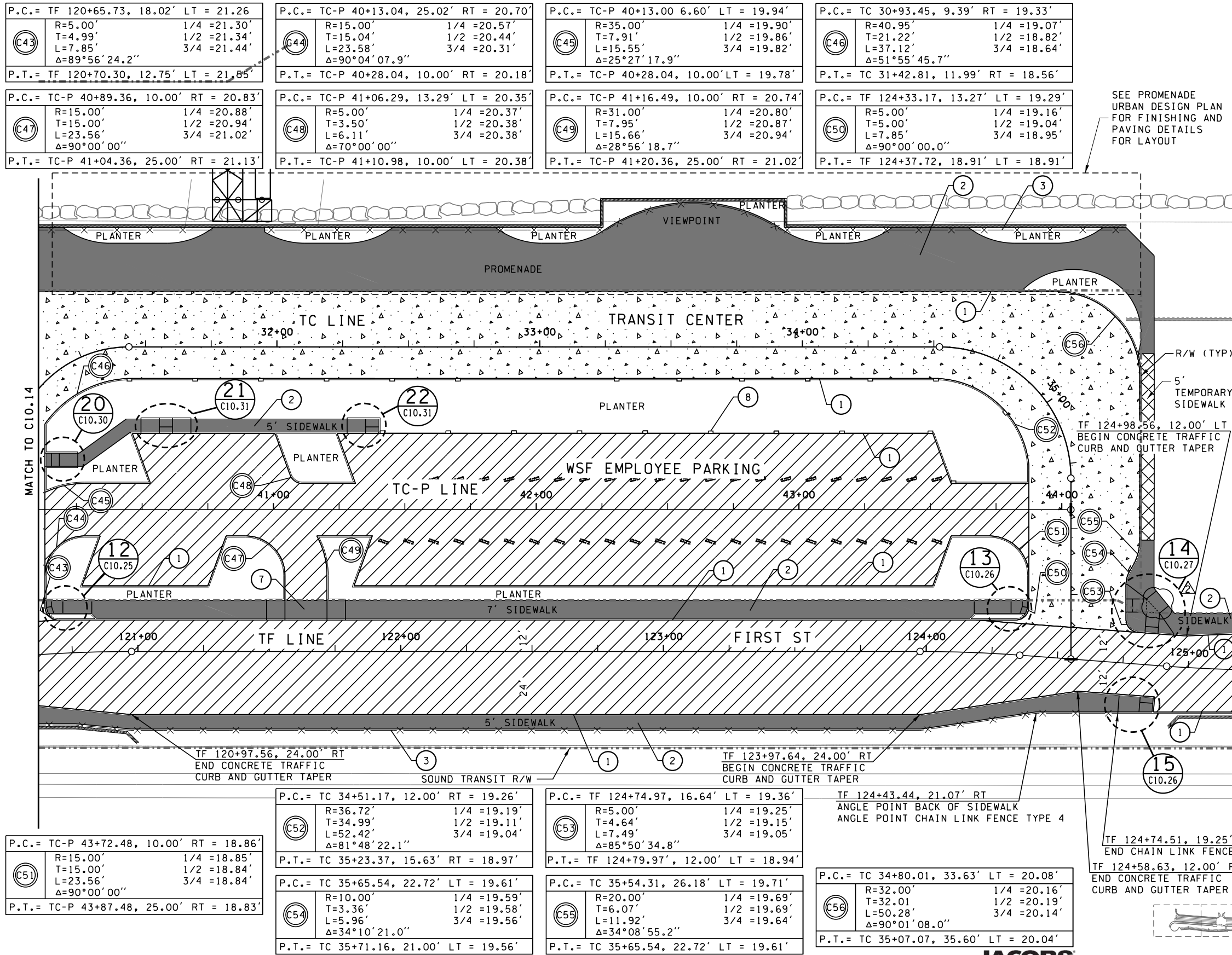


- NOTES:**
- SEE ROADWAY ALIGNMENT PLANS FOR ALIGNMENT DATA, SHEETS C06.10 TO C06.16.
  - SEE SITE PREPARATION PLANS FOR PAVEMENT SAWCUT, SHEETS C04.10 TO C04.16.
  - UTILITIES NOT SHOWN FOR CLARITY.
  - ALL DRAINAGE & UTILITY STRUCTURES WITHIN THE PROJECT LIMITS SHALL BE ADJUSTED TO GRADE UNLESS OTHERWISE NOTED ON UTILITY PLANS.
  - SEE TYPICAL ROADWAY SECTIONS FOR ADDITIONAL PAVEMENT DEPTHS AND WIDTHS, SHEETS C06.40 TO C06.44.
  - SEE WALL PLANS FOR ADDITIONAL INFORMATION, C15.10 TO C15.33.
  - FLOW TEST FINISHED GRADE AT FLOWLINE TO ENSURE THAT NO PONDING OCCURS. TESTING SHALL INCLUDE APPLICATION OF WATER AT THE HIGH POINT OF THE FLOWLINE TO ENSURE WATER FLOWS FREELY.
  - SEE ADA RAMP DETAIL SHEETS FOR ADDITIONAL INFORMATION, C10.20 TO C10.31.
  - SEE BUILDING PLANS FOR FOUNDATIONS AND OTHER ITEMS RELATED TO THE BUILDINGS, SHEETS SX00.10 TO SX01.15.
  - SEE DRAINAGE PLANS FOR CURB CUT LOCATIONS, SHEETS C07.10 TO C07.16.
  - SEE SR525 MUKILTEO MULTIMODAL TERMINAL - PHASE 2 PAVEMENT DESIGN REPORT FOR ADDITIONAL INFORMATION ON PAVEMENT SECTIONS.
  - COORDINATE TIE IN WITH SOUND TRANSIT ARBOR AS DIRECTED BY ENGINEER.
  - RESTORE PAVING ALONG SOUND TRANSIT PROPERTY AS NECESSARY.

- LEGEND:**
- IMPERVIOUS PAVEMENT
  - TEMPORARY PAVEMENT: SIDEWALK
  - PERVIOUS CONCRETE PAVEMENT: WSDOT STANDARD
  - CONCRETE SIDEWALK
  - CONCRETE PAVEMENT
  - RETAINING WALL (SEE WALL PLANS)
  - FENCE / PEDESTRIAN RAIL

- CONSTRUCTION NOTES:**
- CONSTRUCT CEMENT CONCRETE TRAFFIC CURB AND GUTTER PER WSDOT STD. PLAN F-10.12-03
  - CONSTRUCT CEMENT CONCRETE SIDEWALK PER WSDOT STD. PLAN F-30.10-03
  - INSTALL PEDESTRIAN RAILING OR FENCE PER WALL PLAN SHEETS
  - INSTALL BLACK VINYL COATED TYPE 3 CHAINLINK FENCE PER WSDOT STD. PLAN L-20.10-03
  - CONSTRUCT CEMENT CONCRETE PEDESTRIAN CURB PER WSDOT STD. PLAN F-10.12-03

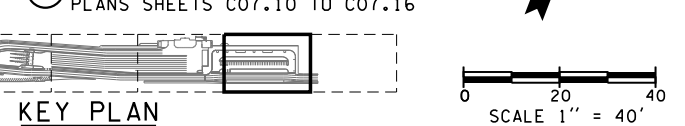




- NOTES:**
- SEE ROADWAY ALIGNMENT PLANS FOR ALIGNMENT DATA, SHEETS C06.10 TO C06.16.
  - SEE SITE PREPARATION PLANS FOR PAVEMENT SAWCUT, SHEETS C04.10 TO C04.16.
  - UTILITIES NOT SHOWN FOR CLARITY.
  - ALL DRAINAGE & UTILITY STRUCTURES WITHIN THE PROJECT LIMITS SHALL BE ADJUSTED TO GRADE UNLESS OTHERWISE NOTED ON UTILITY PLANS.
  - SEE TYPICAL ROADWAY SECTIONS FOR ADDITIONAL PAVEMENT DEPTHS AND WIDTHS, SHEETS C06.40 TO C06.44.
  - SEE WALL PLANS FOR ADDITIONAL INFORMATION, C15.10 TO C15.33.
  - FLOW TEST FINISHED GRADE AT FLOWLINE TO ENSURE THAT NO PONDING OCCURS. TESTING SHALL INCLUDE APPLICATION OF WATER AT THE HIGH POINT OF THE FLOWLINE TO ENSURE WATER FLOWS FREELY.
  - SEE ADA RAMP DETAIL SHEETS FOR ADDITIONAL INFORMATION, C10.20 TO C10.31.
  - SEE BUILDING PLANS FOR FOUNDATIONS AND OTHER ITEMS RELATED TO THE BUILDINGS, SHEETS SX00.10 TO SX01.15.
  - SEE DRAINAGE PLANS FOR CURB CUT LOCATIONS, SHEETS C07.10 TO C07.16.
  - SEE SR525 MUKILTEO MULTIMODAL TERMINAL - PHASE 2 PAVEMENT DESIGN REPORT FOR ADDITIONAL INFORMATION ON PAVEMENT SECTIONS.
  - COORDINATE TIE IN WITH EXISTING SOUND TRANSIT ARBOR AS DIRECTED BY ENGINEER.
  - RESTORE PAVING ALONG SOUND TRANSIT PROPERTY AS NECESSARY.

- LEGEND:**
- IMPERVIOUS PAVEMENT
  - TEMPORARY PAVEMENT: SIDEWALK
  - PERVIOUS CONCRETE PAVEMENT: WSF TERMINAL
  - CONCRETE SIDEWALK
  - CONCRETE PAVEMENT
  - RETAINING WALL (SEE WALL PLANS)
  - FENCE / PEDESTRIAN RAIL

- CONSTRUCTION NOTES:**
- CONSTRUCT CEMENT CONCRETE TRAFFIC CURB AND GUTTER PER WSDOT STD. PLAN F-10.12-03
  - CONSTRUCT CEMENT CONCRETE SIDEWALK PER WSDOT STD. PLAN F-30.10-03
  - INSTALL PEDESTRIAN RAILING OR FENCE PER WALL PLAN SHEETS
  - INSTALL BLACK VINYL COATED TYPE 3 CHAINLINK FENCE PER WSDOT STD. PLAN L-20.10-03.
  - CONSTRUCT CEMENT CONCRETE DRIVEWAY ENTRANCE TYPE 1 PER WSDOT STD. PLAN F-80.10-04
  - INSTALL CURB CUTS PER DRAINAGE PLANS SHEETS C07.10 TO C07.16





- NOTES:**
- 1. SEE ROADWAY ALIGNMENT PLANS FOR ALIGNMENT DATA, SHEETS C06.10 TO C06.16.
  - 2. SEE SITE PREPARATION PLANS FOR PAVEMENT SAWCUT, SHEETS C04.10 TO C04.16.
  - 3. UTILITIES NOT SHOWN FOR CLARITY.
  - 4. ALL DRAINAGE & UTILITY STRUCTURES WITHIN THE PROJECT LIMITS SHALL BE ADJUSTED TO GRADE UNLESS OTHERWISE NOTED ON UTILITY PLANS.
  - 5. SEE TYPICAL ROADWAY SECTIONS FOR ADDITIONAL PAVEMENT DEPTHS AND WIDTHS, SHEETS C06.40 TO C06.44.
  - 6. SEE WALL PLANS FOR ADDITIONAL INFORMATION, C15.10 TO C15.33.
  - 7. FLOW TEST FINISHED GRADE AT FLOWLINE TO ENSURE THAT NO PONDING OCCURS. TESTING SHALL INCLUDE APPLICATION OF WATER AT THE HIGH POINT OF THE FLOWLINE TO ENSURE WATER FLOWS FREELY.
  - 8. SEE ADA RAMP DETAIL SHEETS FOR ADDITIONAL INFORMATION, C10.20 TO C10.31.
  - 9. SEE BUILDING PLANS FOR FOUNDATIONS AND OTHER ITEMS RELATED TO THE BUILDINGS, SHEETS SX00.10 TO SX01.15.
  - 10. SEE DRAINAGE PLANS FOR CURB CUT LOCATIONS, SHEETS C07.10 TO C07.16.
  - 11. SEE SR525 MUKILTEO MULTIMODAL TERMINAL - PHASE 2 PAVEMENT DESIGN REPORT FOR ADDITIONAL INFORMATION ON PAVEMENT SECTIONS.
  - 12. COORDINATE TIE IN WITH EXISTING SOUND TRANSIT ARBOR AS DIRECTED BY ENGINEER.
  - 13. RESTORE PAVING ALONG SOUND TRANSIT PROPERTY AS NECESSARY.

**LEGEND:**

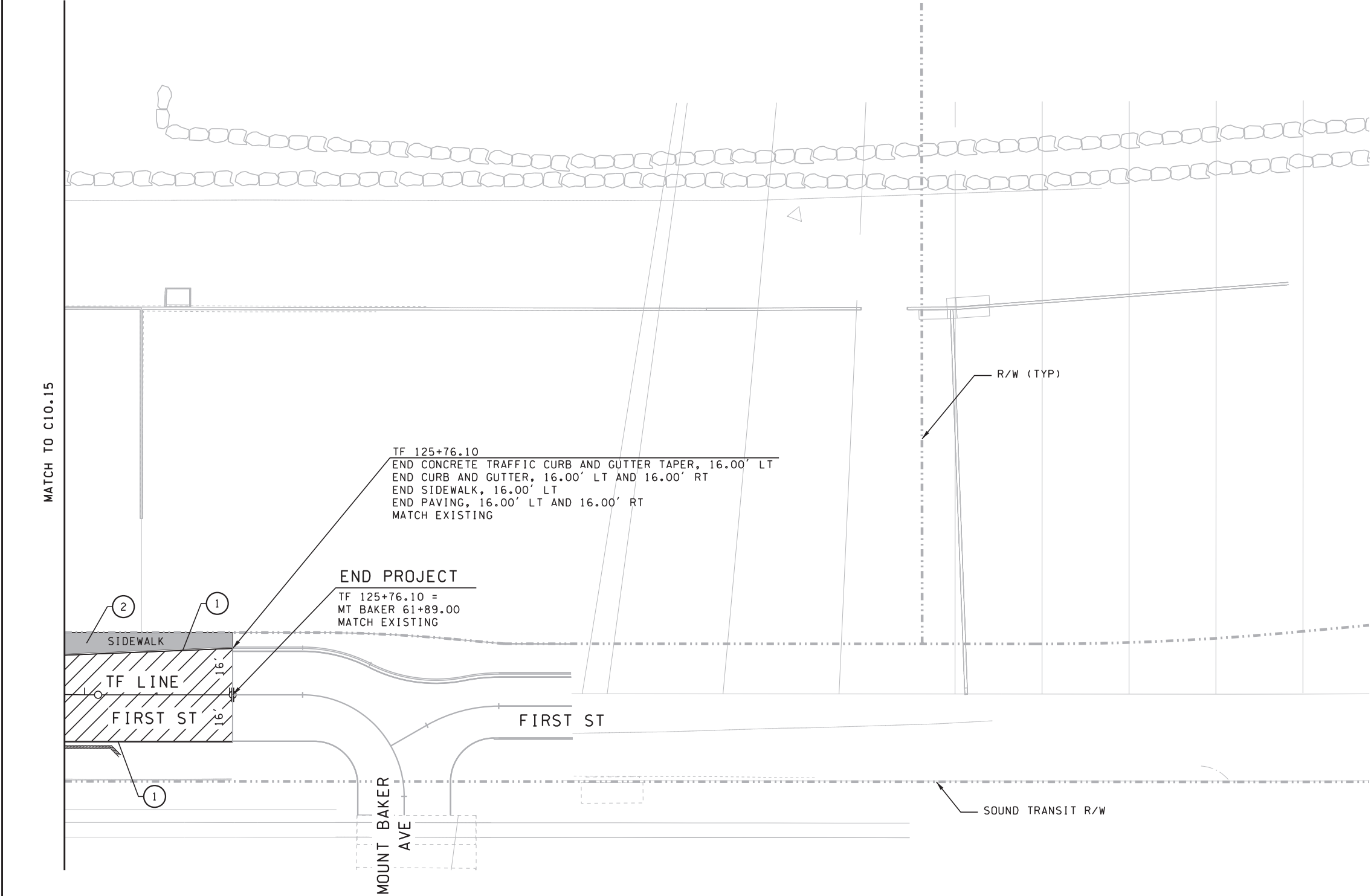
- IMPERVIOUS PAVEMENT
- TEMPORARY PAVEMENT: SIDEWALK
- PERVIOUS CONCRETE PAVEMENT: WSF TERMINAL
- CONCRETE SIDEWALK
- CONCRETE PAVEMENT
- RETAINING WALL (SEE WALL PLANS)
- FENCE / PEDESTRIAN RAIL

**CONSTRUCTION NOTES:**

- 1. CONSTRUCT CEMENT CONCRETE TRAFFIC CURB AND GUTTER PER WSDOT STD. PLAN F-10.12-03
- 2. CONSTRUCT CEMENT CONCRETE SIDEWALK PER WSDOT STD. PLAN F-30.10-03

**KEY PLAN**

0 20 40  
SCALE 1" = 40'



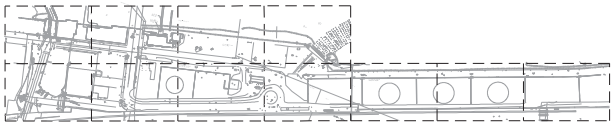
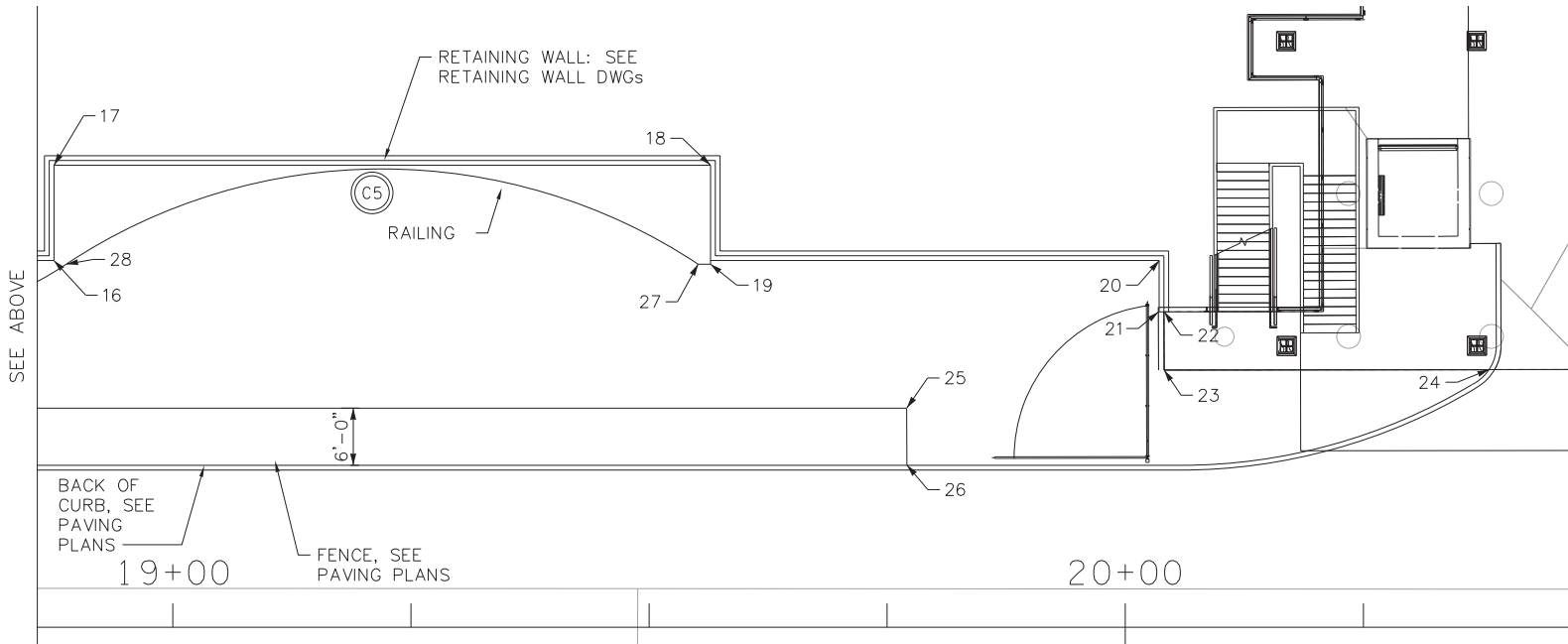
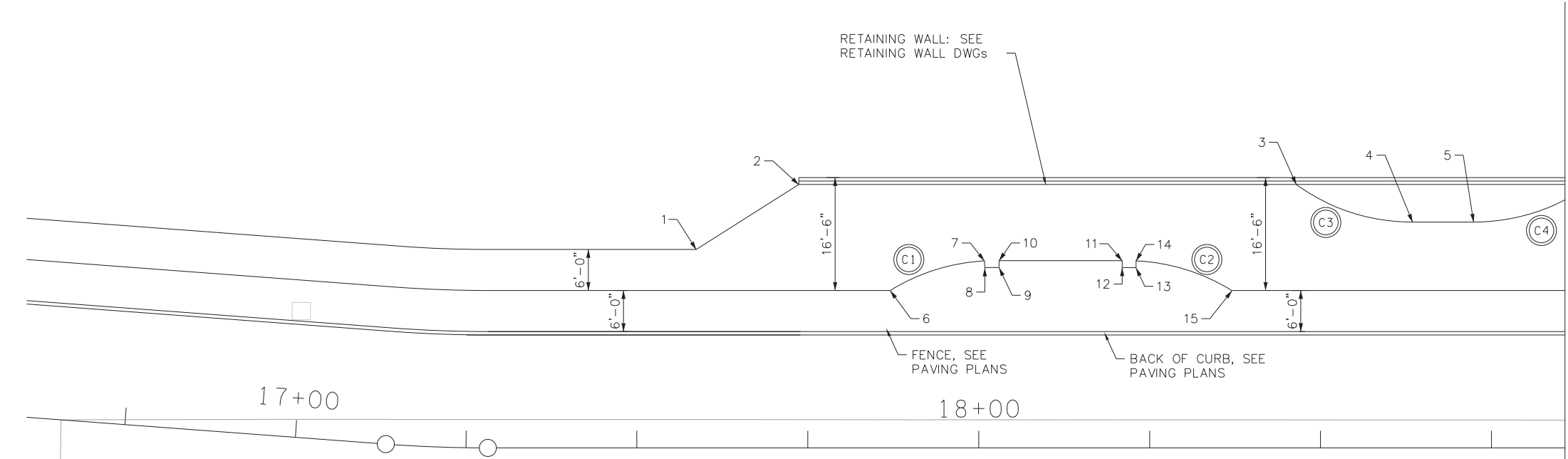
FILE NAME: WSF\Mukilteo\14W121_FerryTermConst\CADD\JACOBS\ 14w121c10-16.dwg														SR 525 MUKILTEO FERRY TERMINAL (PHASE 2) FERRY TERMINAL CONSTRUCTION		C10.16	
PRINTED: 4:35:46 PM 12/14/2017		LAST PRINTED BY:		FED.AID PROJ.NO.		SHEET											
SUBMITTAL DATE: 12/22/17		ConradCS						WA-2017-007-00						258			
DESIGNED BY: P. CROWLEY		12/14/2017						REGION NO. STATE						OF			
ENTERED BY: N. LAUGHLIN		12/14/2017						10 WASH						1521			
CHECKED BY: M. PANICK		12/14/2017						JOB NUMBER									
MAR PROJ ENGR: C. TORRES								18W121									
DIR TERM ENGR: N. MCINTOSH								CONTRACT NO.									
ASST SECRETARY: A. SCARTON				REVISION		DATE		BY		00****				SHEETS			



P.C.= E 17+86.65, 23.00' LT = 22.92'	P.C.= E 18+22.62, 27.35' LT = 22.69'	P.C.= E 18+46.05, 38.50' LT = 22.70'	P.C.= E 18+71.98, 33.00' LT = 22.36'	P.C.= E 18+88.41, 38.10' LT = 22.31'
<div>C1</div> <div>R=29.00' T=7.46' L=14.61' Δ=28°51'12.1"</div>	<div>C2</div> <div>R=28.89' T=7.58' L=14.83' Δ=29°24'49.8"</div>	<div>C3</div> <div>R=29.00' T=9.39' L=18.17' Δ=35°53'43.5"</div>	<div>C4</div> <div>R=29.00' T=9.01' L=17.47' Δ=34°30'29.5"</div>	<div>C5</div> <div>R=60.00' T=39.80' L=70.28' Δ=67°7'42.4"</div>
P.T.= E 18+00.44, 27.33' LT = 22.89'	P.T.= E 18+36.63, 23.00' LT = 22.48'	P.T.= E 18+63.06, 33.00' LT = 22.44'	P.T.= E 18+88.41, 38.10' LT = 22.31'	P.T.= E 19+54.74, 38.10' LT = 21.72'

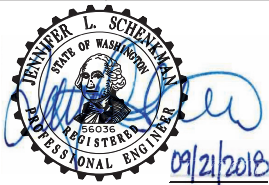
- NOTES:
- FOR PLANTING PLANS, DWGs C09.40–C09.62.
  - FOR URBAN DESIGN DIMENSIONING PLANS, SEE SHEETS C13.20–C13.22.
  - FOR URBAN DESIGN PLAN, SEE SHEETS C13.10–C13.12.
  - FOR BOLLARD LIGHT LOCATIONS AND DETAILS, SEE SITE ILLUMINATION SHEETS.

POINT TABLE — "E LINE"			
POINT	STATION	OFFSET	ELEVATION
1	1758.29	29.00' LT	23.29'
2	1773.29	38.50' LT	23.35'
3	1846.05	38.50' LT	22.70'
4	1863.06	33.00' LT	22.44'
5	1871.98	33.00' LT	22.36'
6	1786.65	23.00' LT	22.92'
7	1800.44	27.33' LT	22.89'
8	1800.49	26.34' LT	22.87'
9	1802.58	26.37' LT	22.85'
10	1802.58	27.38' LT	22.87'
11	1820.58	27.38' LT	22.71'
12	1820.58	26.38' LT	22.69'
13	1822.62	26.35' LT	22.67'
14	1822.62	27.35' LT	22.69'
15	1836.63	23.00' LT	22.48'
16	1887.11	38.50' LT	22.33'
17	1887.11	48.50' LT	22.50'
18	1956.05	48.50' LT	21.76'
19	1956.05	38.10' LT	21.71'
20	2003.16	38.50' LT	20.92'
21	2003.17	33.11' LT	20.84'
22	2003.67	33.11' LT	20.84'
23	2003.68	26.99' LT	20.75'
24	2037.79	27.03' LT	20.75'
25	1976.66	23.00' LT	21.22'
26	1956.66	17.00' LT	21.10'
27	1954.74	38.10' LT	21.72'
28	1888.41	38.10' LT	22.31'



KEY PLAN

FILE NAME: WSF\Mukilteo\14W121_FerryTermConst\CADD\JACOBS\14w121c10-17.dwg			
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DESIGNED BY: J. SCHENKMAN	9/21/2018		REGION NO. STATE
ENTERED BY: J. DANIELSON	9/21/2018		10 WASH
CHECKED BY: R. LUDWIG	9/21/2018		JOB NUMBER
MAR PROJ ENGR: C. TORRES			18W121
DIR TERM ENGR: N. MCINTOSH			CONTRACT NO.
ASST SECRETARY: A. SCARTON		REVISION	00****
		DATE	
		BY	



SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION

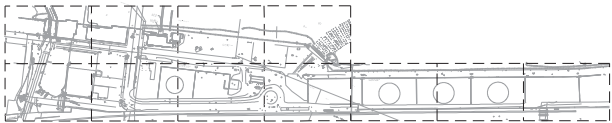
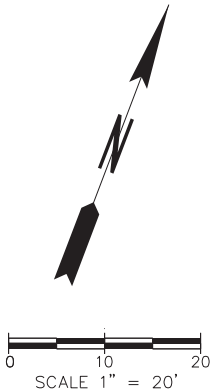
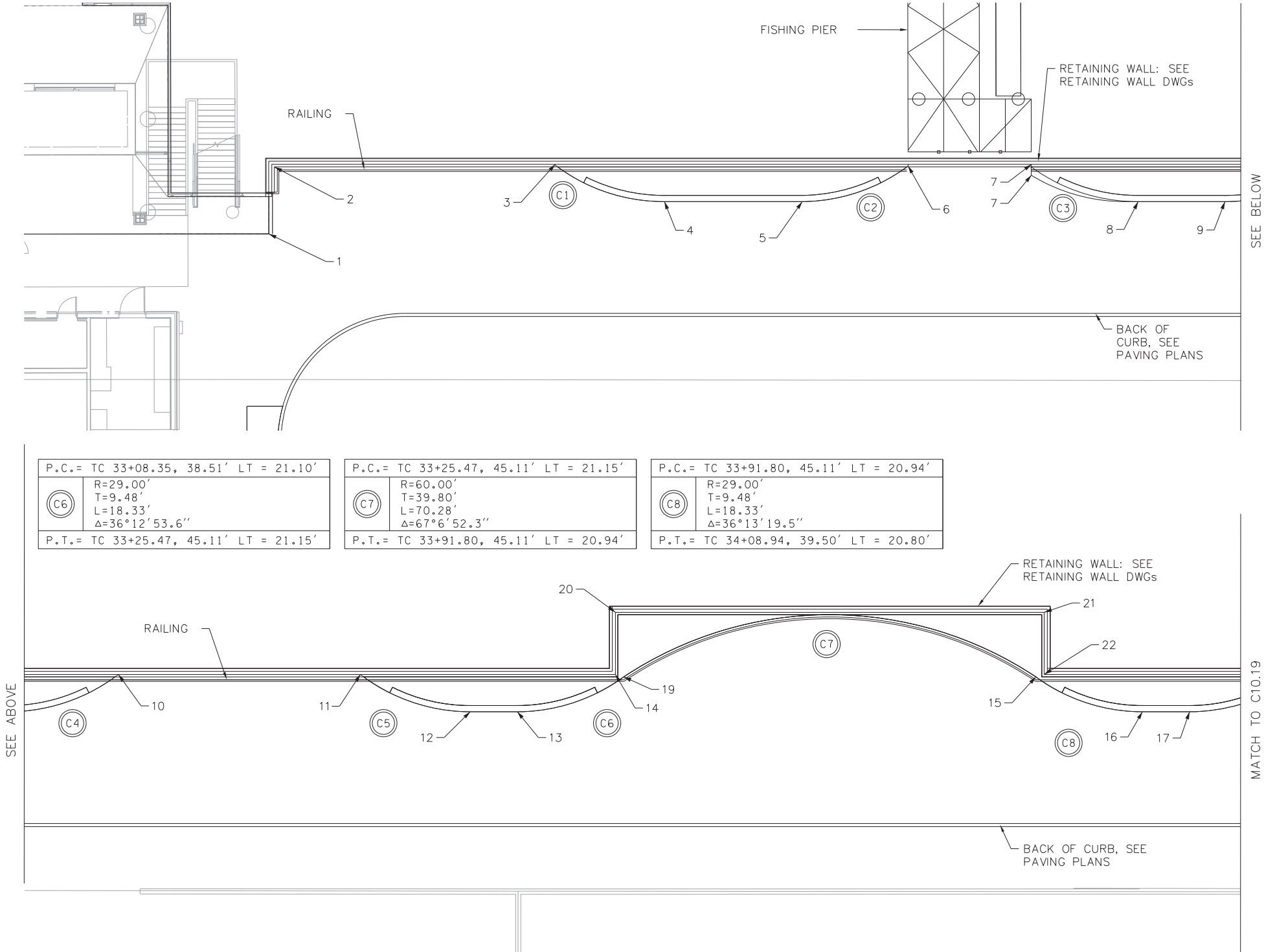
PAVING DETAILS

C10.17  
SHEET  
258A  
OF  
1521  
SHEETS

P.C.= TC 31+31.51, 48.93' LT = 20.08'	P.C.= TC 31+58.19, 39.51' LT = 20.05'	P.C.= TC 32+10.46, 39.51' LT = 20.40'	P.C.= TC 32+26.50, 39.51' LT = 20.73'	P.C.= TC 32+83.11, 45.51' LT = 21.22'
<div>C1</div> <div>R=29.00' T=9.85' L=18.99' Δ=37°30'58.4"</div>	<div>C2</div> <div>R=29.00' T=9.85' L=18.99' Δ=37°31'42.3"</div>	<div>C3</div> <div>R=29.01' T=8.16' L=15.90' Δ=31°24'34.9"</div>	<div>C4</div> <div>R=29.00' T=9.85' L=19.00' Δ=37°32'30.5"</div>	<div>C5</div> <div>R=29.00' T=9.85' L=19.02' Δ=37°34'5.4"</div>
P.T.= TC 31+39.74, 39.84' LT = 19.96'	P.T.= TC 31+75.51, 45.25' LT = 20.41'	P.T.= TC 31+95.35, 43.76' LT = 20.57'	P.T.= TC 32+44.17, 45.51' LT = 20.99'	P.T.= TC 33+00.79, 39.51' LT = 21.12'

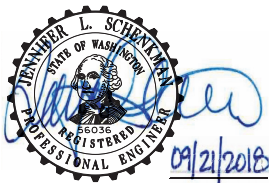
- NOTES:
- FOR PLANTING PLANS, DWGs C09.40–C09.62.
  - FOR URBAN DESIGN DIMENSIONING PLANS, SEE SHEETS C13.20–C13.22.
  - FOR URBAN DESIGN PLAN, SEE SHEETS C13.10–C13.12.
  - FOR BOLLARD LIGHT LOCATIONS AND DETAILS, SEE SITE ILLUMINATION SHEETS.

POINT TABLE - "TC LINE"			
POINT	STATION	OFFSET	ELEVATION
1	3110.8	61.49' LT	20.25'
2	3113.9	69.76' LT	20.25'
3	3131.5	48.93' LT	20.08'
4	3139.7	39.84' LT	19.96'
5	3158.2	39.51' LT	20.05'
6	3175.5	45.25' LT	20.41'
7	3195.4	45.51' LT	20.42'
8	3195.4	43.76' LT	20.57'
9	3226.5	39.51' LT	20.73'
10	3244.2	45.51' LT	20.99'
11	3283.1	45.51' LT	21.22'
12	3300.8	39.51' LT	21.12'
13	3308.4	38.51' LT	21.10'
14	3325.5	45.11' LT	21.15'
15	3391.8	45.11' LT	20.94'
16	3408.9	39.50' LT	20.80'
17	3416.5	39.50' LT	20.80'
18	3210.5	39.51' LT	20.40'
19	3324.1	45.51' LT	21.14'
20	3324.1	55.51' LT	21.29'
21	3393.1	55.50' LT	21.10'
22	3393.1	45.50' LT	20.94'



KEY PLAN

FILE NAME: WSF\Mukilteo\14W121_FerryTermConst\CADD\JACOBS\14w121c10-18.dwg					
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SUBMITTAL DATE: 09/21/18					WA-2017-007-00
DESIGNED BY: J. SCHENKMAN	9/21/2018				REGION NO. STATE
ENTERED BY: J. DANIELSON	9/21/2018				10 WASH
CHECKED BY: R. LUDWIG	9/21/2018				JOB NUMBER
MAR PROJ ENGR: C. TORRES					18W121
DIR TERM ENGR: N. MCINTOSH					CONTRACT NO.
ASST SECRETARY: A. SCARTON		REVISION	DATE	BY	00****

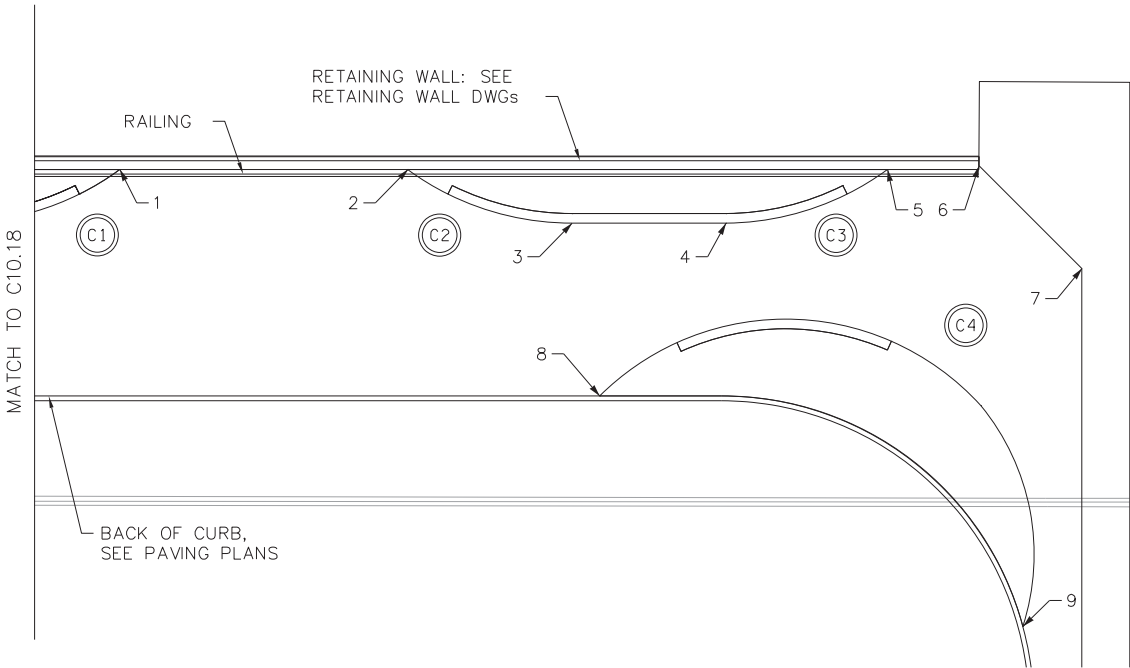


SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION

PAVING DETAILS

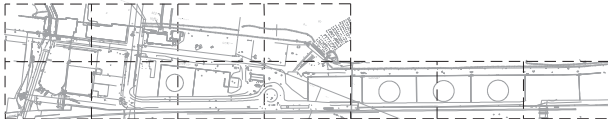
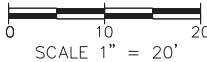
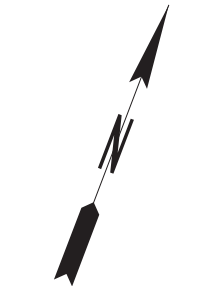
C10.18  
SHEET  
258B  
OF  
1521  
SHEETS

P.C.= TC 34+16.50, 39.50' LT = 20.80'	P.C.= TC 34+57.87, 46.14' LT = 20.76'	P.C.= TC 34+75.30, 50.01' RT = 20.81'	P.C.= TC 34+72.90, 28.11' LT = 20.47'
<div>C1</div> <div>R=29.00' T=9.85' L=18.99' Δ=37°34'11.3"</div>	<div>C2</div> <div>R=29.00' T=9.85' L=18.99' Δ=37°31'51.7"</div>	<div>C3</div> <div>R=29.00' T=9.85' L=18.99' Δ=37°31'32.3"</div>	<div>C4</div> <div>R=25.76' T=112.36' L=69.30' Δ=154°7'56.5"</div>
P.T.= TC 34+34.16, 45.50' LT = 20.25'	P.T.= TC 34+67.63, 43.96' LT = 20.71'	P.T.= TC 34+81.07, 64.02' LT = 21.02'	P.T.= TC 35+02.65, 39.26' LT = 20.61'



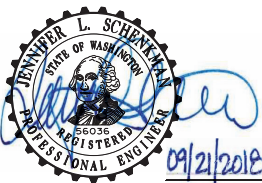
- NOTES:
- FOR PLANTING PLANS, DWGs C09.40–C09.62.
  - FOR URBAN DESIGN DIMENSIONING PLANS, SEE SHEETS C13.20–C13.22.
  - FOR URBAN DESIGN PLAN, SEE SHEETS C13.10–C13.12.
  - FOR BOLLARD LIGHT LOCATIONS AND DETAILS, SEE SITE ILLUMINATION SHEETS.

POINT TABLE – "TC LINE"			
POINT	STATION	OFFSET	ELEVATION
1	3434.16	45.50' LT	20.82'
2	3457.87	46.12' LT	20.76'
3	3467.63	43.96' LT	20.71'
4	3475.3	50.01' LT	20.81'
5	3481.07	64.02' LT	21.02'
6	3484.13	69.00' LT	21.10'
7	3490.52	67.76' LT	21.08'
8	3472.9	28.11' LT	20.47'
9	3502.65	39.26' LT	20.61'



KEY PLAN

FILE NAME: WSF\Mukilteo\14W121_FerryTermConst\CADD\JACOBS\14w121c10_19.dwg					
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SUBMITTAL DATE: 09/21/18					WA-2017-007-00
DESIGNED BY: J. SCHENKMAN	9/21/2018				REGION NO. STATE
ENTERED BY: J. DANIELSON	9/21/2018				10 WASH
CHECKED BY: R. LUDWIG	9/21/2018				JOB NUMBER
MAR PROJ ENGR: C. TORRES					18W121
DIR TERM ENGR: N. MCINTOSH					CONTRACT NO.
ASST SECRETARY: A. SCARTON		REVISION	DATE	BY	00****



**JACOBS**

  
**Washington State**  
**Department of Transportation**  
WASHINGTON STATE FERRIES

SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION

PAVING DETAILS

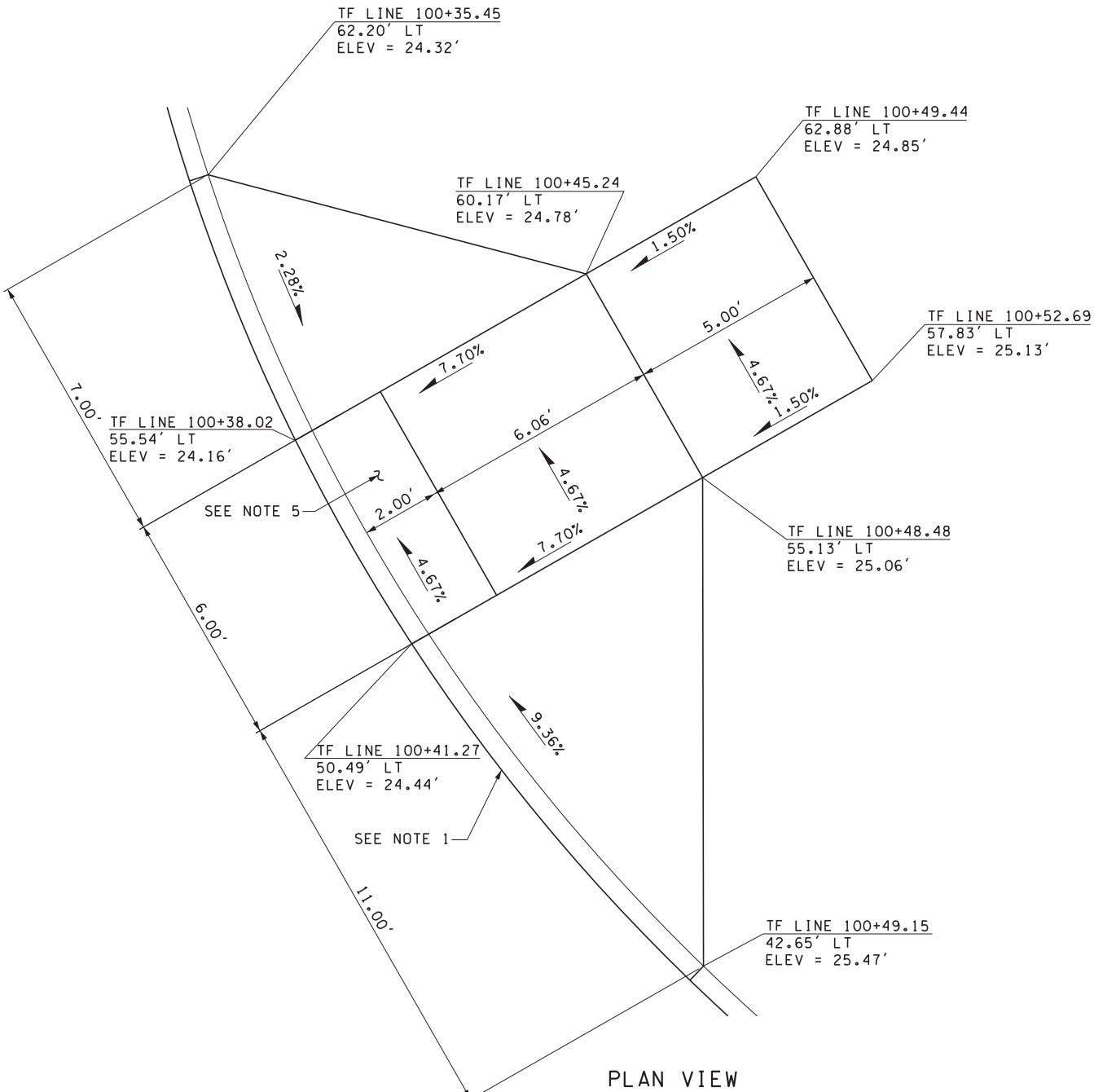
C10.19

SHEET  
258C  
OF  
1521  
SHEETS

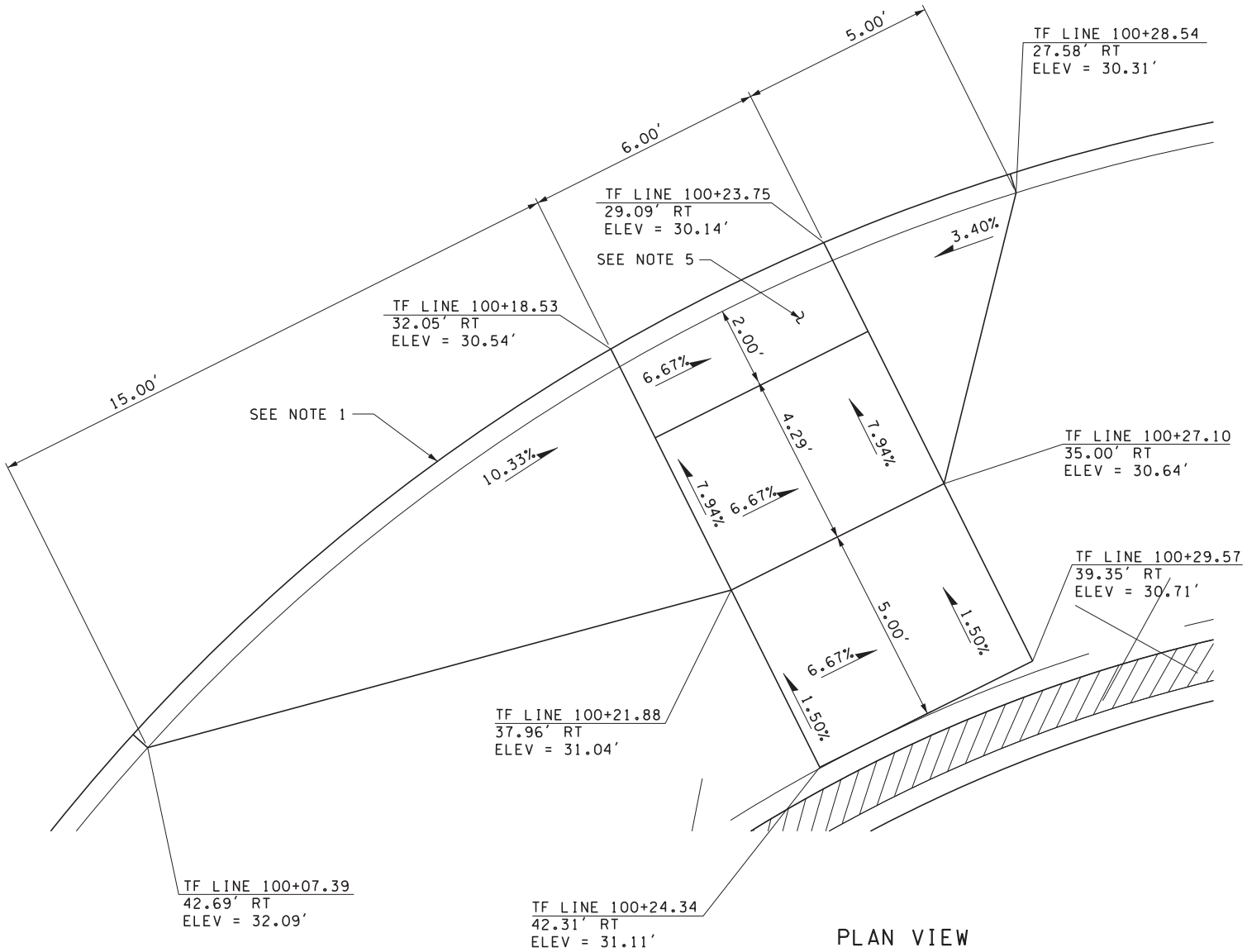


NOTES:

- 1. INSTALL PERPENDICULAR CURB RAMP PER WSDOT STD. PLAN F-40.15-03.
- 2. INSTALL SINGLE DIRECTION CURB RAMP PER WSDOT STD. PLAN F-40.16-03.
- 3. INSTALL PARALLEL CURB RAMP PER WSDOT STD. PLAN F-40.12-03.
- 4. INSTALL COMBINATION CURB RAMP PER WSDOT STD. PLAN F-40.14-03.
- 5. INSTALL DETECTABLE WARNING SURFACE PER WSDOT STD. PLAN F-45.10-02.
- 6. SEE LANDSCAPE DETAIL 5 SHEET C09.62 FOR LANDSCAPED AREA.

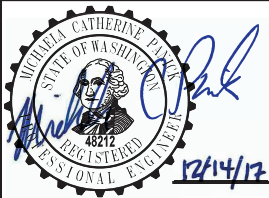


1 NE CORNER OF SR525 AND  
SR525 EXTENSION  
CURB RAMP TYPE PERPENDICULAR A  
N.T.S.



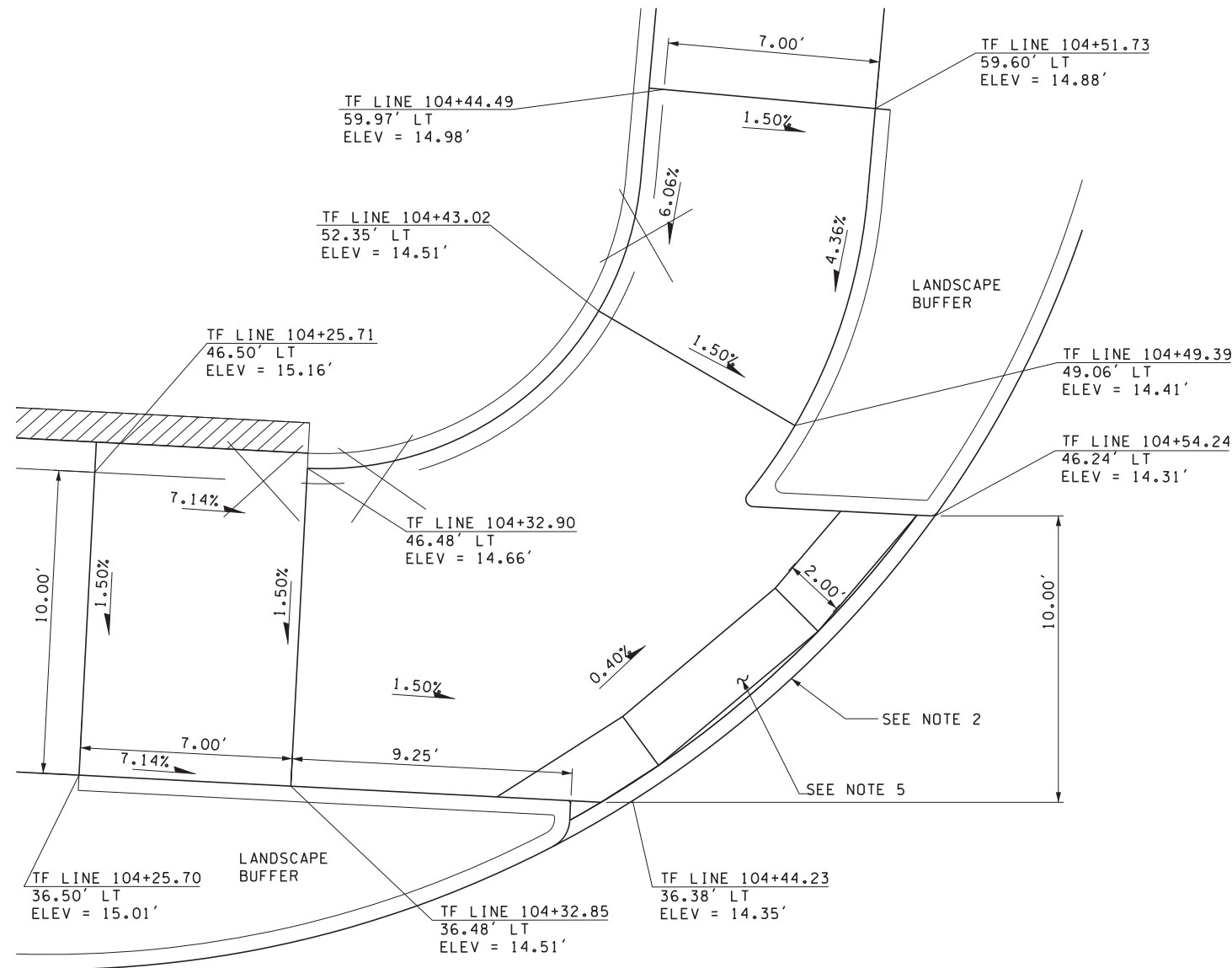
2 SE CORNER OF SR525 AND  
SR525 EXTENSION  
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N.T.S.

FILE NAME: WSF\Mukilteo\14W121_FerryTermConst\CADD\JACOBS\14w121c10-20.dwg					
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SUBMITTAL DATE: 12/22/17	ConradCS				WA-2017-007-00
DESIGNED BY: M. PANICK	12/14/2017				REGION NO. STATE
ENTERED BY: D. PERRY	12/14/2017				10 WASH
CHECKED BY: M. PANICK	12/14/2017				JOB NUMBER
MAR PROJ ENGR: C. TORRES					18W121
DIR TERM ENGR: N. MCINTOSH					CONTRACT NO.
ASST SECRETARY: A. SCARTON					00****
	REVISION	DATE	BY		

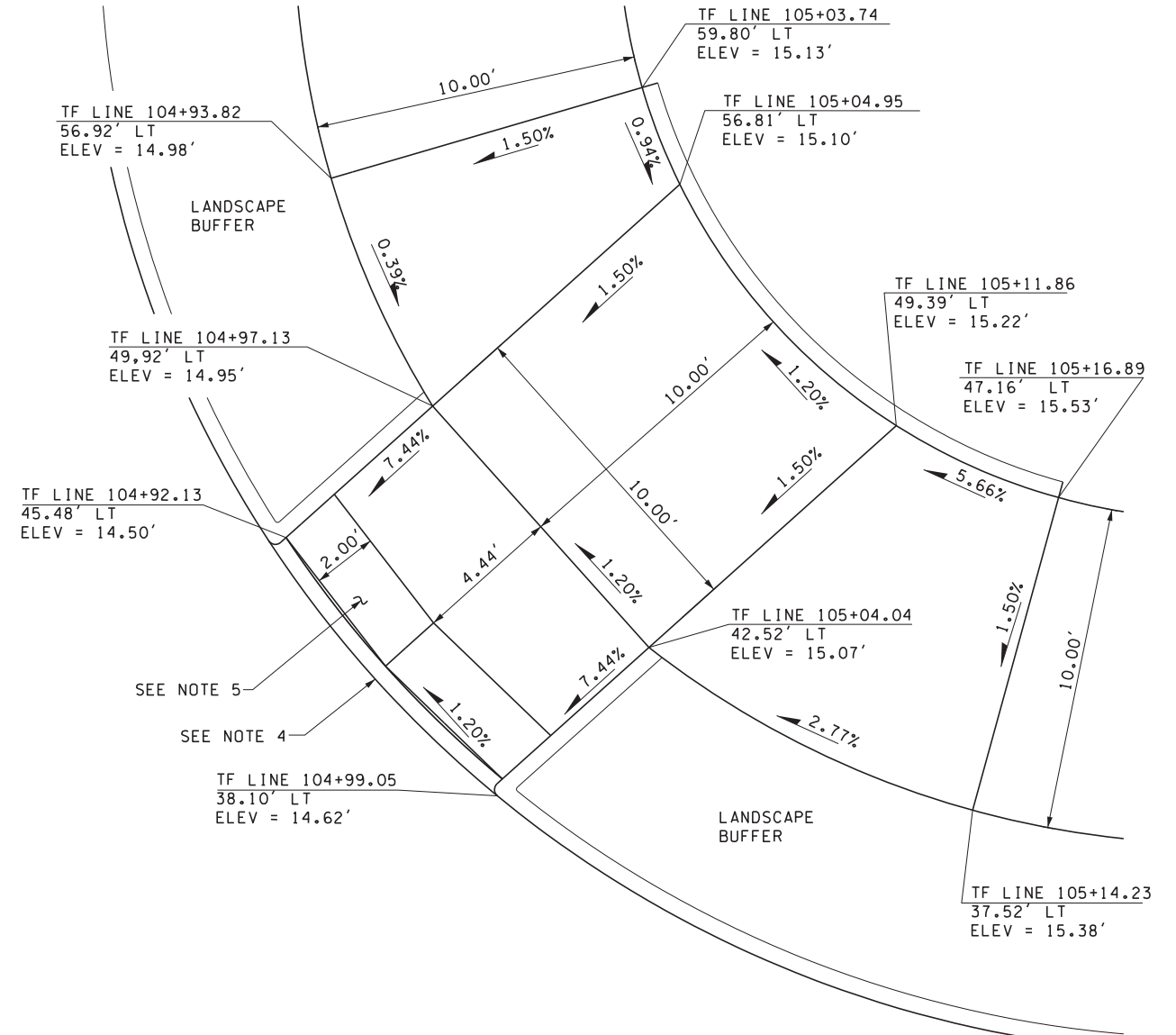


SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION  
ADA RAMP DETAILS

C10.20  
SHEET  
259  
OF  
1521  
SHEETS



PLAN VIEW  
**3** NW CORNER OF SR525 EXTENSION  
 AND PARK AVE  
 CURB RAMP TYPE SINGLE DIRECTION B  
 N.T.S.



PLAN VIEW  
**4** NE CORNER OF SR525 EXTENSION  
 AND PARK AVE  
 CURB RAMP TYPE COMBINATION  
 N.T.S.

**NOTES:**

1. INSTALL PERPENDICULAR CURB RAMP PER WSDOT STD. PLAN F-40.15-03.
2. INSTALL SINGLE DIRECTION CURB RAMP PER WSDOT STD. PLAN F-40.16-03.
3. INSTALL PARALLEL CURB RAMP PER WSDOT STD. PLAN F-40.12-03.
4. INSTALL COMBINATION CURB RAMP PER WSDOT STD. PLAN F-40.14-03.
5. INSTALL DETECTABLE WARNING SURFACE PER WSDOT STD. PLAN F-45.10-02.
6. SEE LANDSCAPE DETAIL 5 SHEET C09.62 FOR LANDSCAPED AREA.

FILE NAME: WSF\Mukilteo\14W121_FerryTermConst\CADD\JACOBS\14w121c10-21.dwg				
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SUBMITTAL DATE: 12/22/17	Contract			WA-2017-007-00
DESIGNED BY: M. PANICK	12/14/2017			REGION NO. STATE
ENTERED BY: D. PERRY	12/14/2017			10 WASH
CHECKED BY: M. PANICK	12/14/2017			JOB NUMBER
MAR PROJ ENGR: C. TORRES				18W121
DIR TERM ENGR: N. MCINTOSH				CONTRACT NO.
ASST SECRETARY: A. SCARTON				00*****
REVISION	DATE	BY		

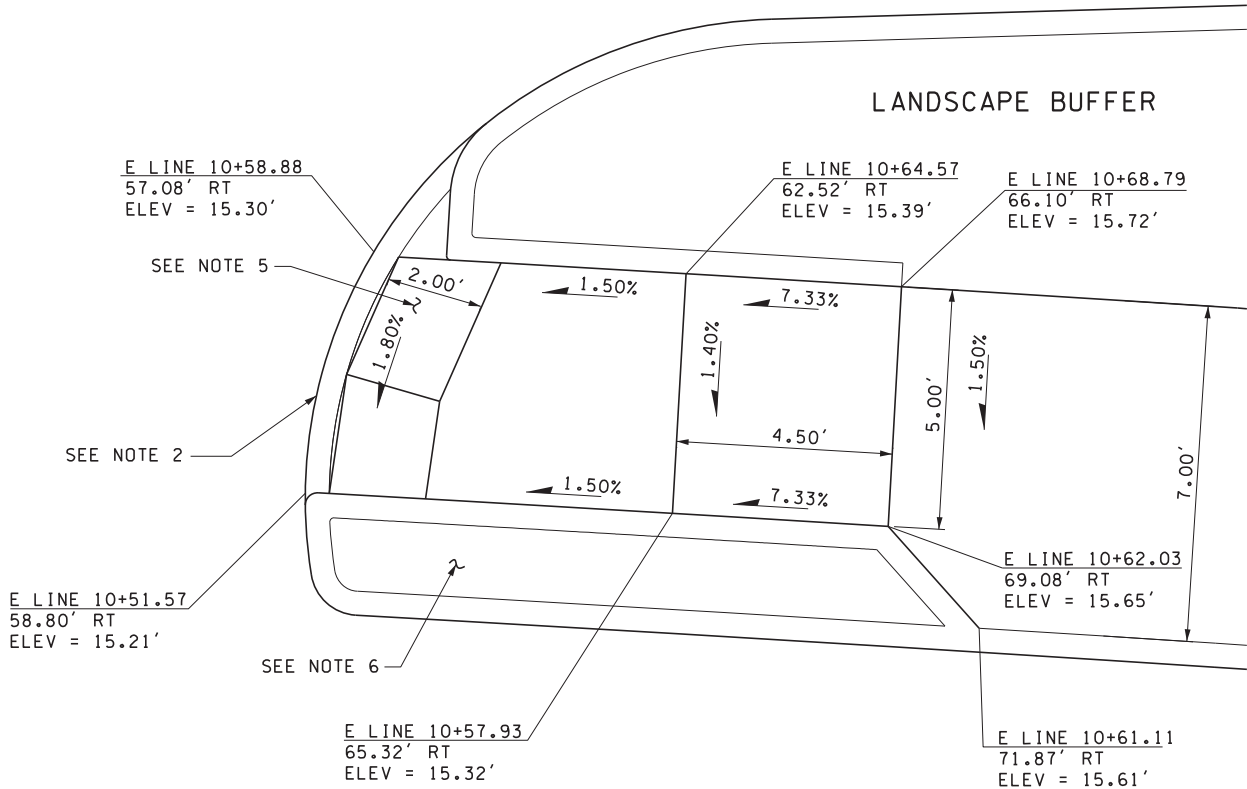
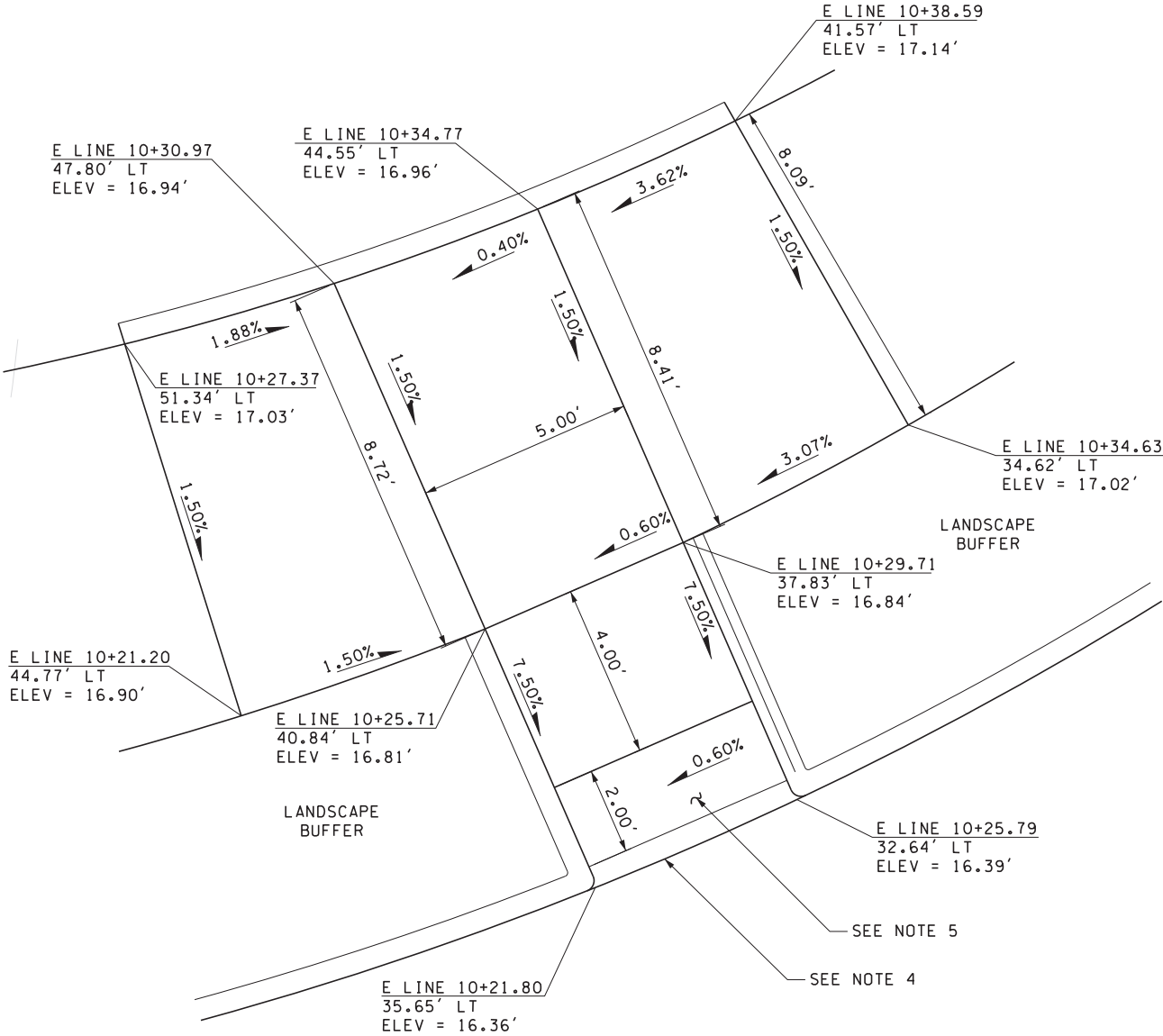


SR 525  
 MUKILTEO FERRY TERMINAL (PHASE 2)  
 FERRY TERMINAL CONSTRUCTION  
 ADA RAMP DETAILS

C10.21  
 SHEET  
 260  
 OF  
 1521  
 SHEETS

NOTES:

- 1. INSTALL PERPENDICULAR CURB RAMP PER WSDOT STD. PLAN F-40.15-03.
- 2. INSTALL SINGLE DIRECTION CURB RAMP PER WSDOT STD. PLAN F-40.16-03.
- 3. INSTALL PARALLEL CURB RAMP PER WSDOT STD. PLAN F-40.12-03.
- 4. INSTALL COMBINATION CURB RAMP PER WSDOT STD. PLANS F-40.14-03.
- 5. INSTALL DETECTABLE WARNING SURFACE PER WSDOT STD. PLAN F-45.10-02.
- 6. SEE LANDSCAPE DETAIL 5 SHEET C09.62 FOR LANDSCAPED AREA.



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SUBMITTAL DATE: 12/22/17	Contract				WA-2017-007-00
DESIGNED BY: M. PANICK	12/14/2017				REGION NO. STATE
ENTERED BY: D. PERRY	12/14/2017				10 WASH
CHECKED BY: M. PANICK	12/14/2017				JOB NUMBER
MAR PROJ ENGR: C. TORRES					18W121
DIR TERM ENGR: N. MCINTOSH					CONTRACT NO.
ASST SECRETARY: A. SCARTON					00*****
	REVISION	DATE	BY		



**JACOBS**

**Washington State**  
**Department of Transportation**  
WASHINGTON STATE FERRIES

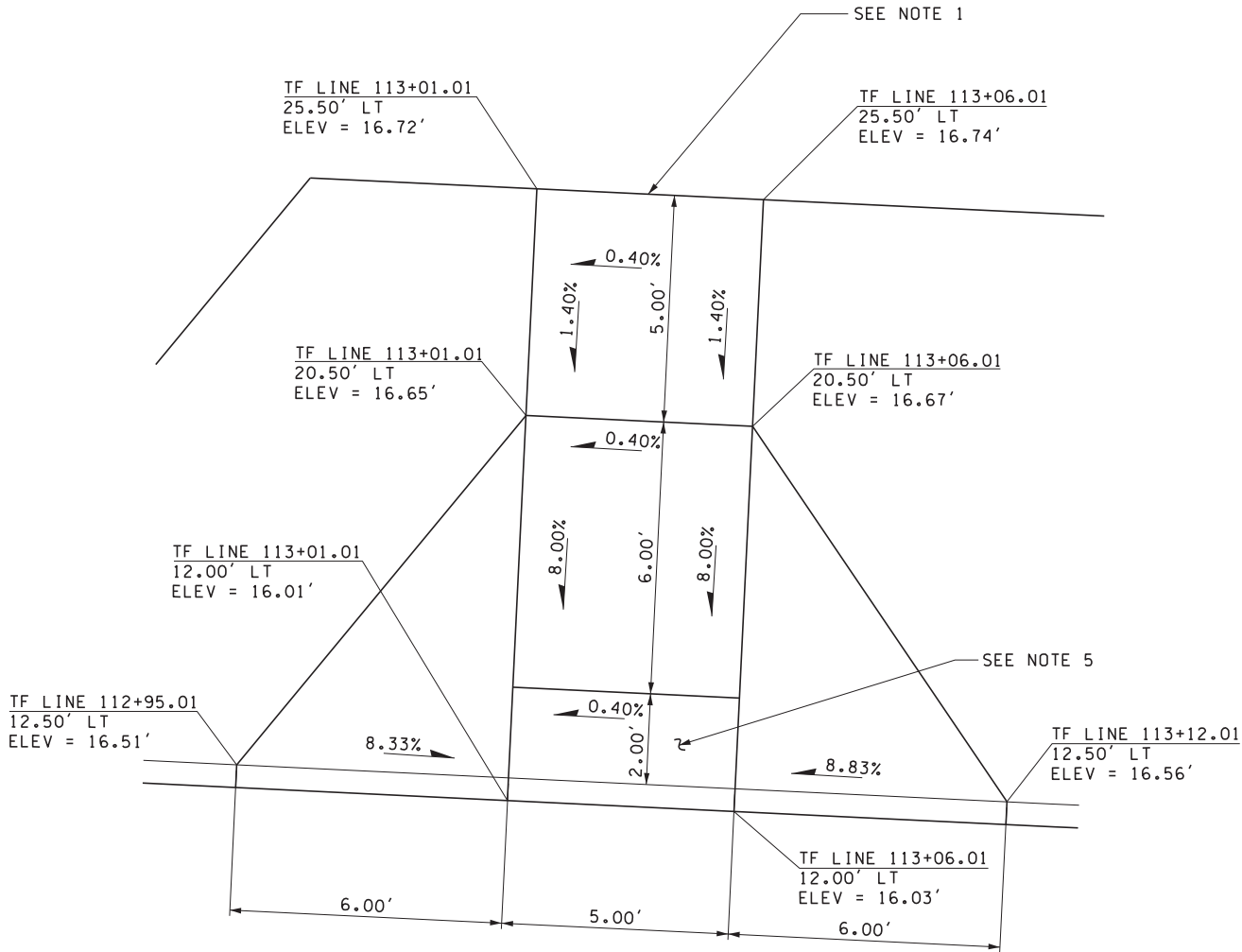
SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION

ADA RAMP DETAILS

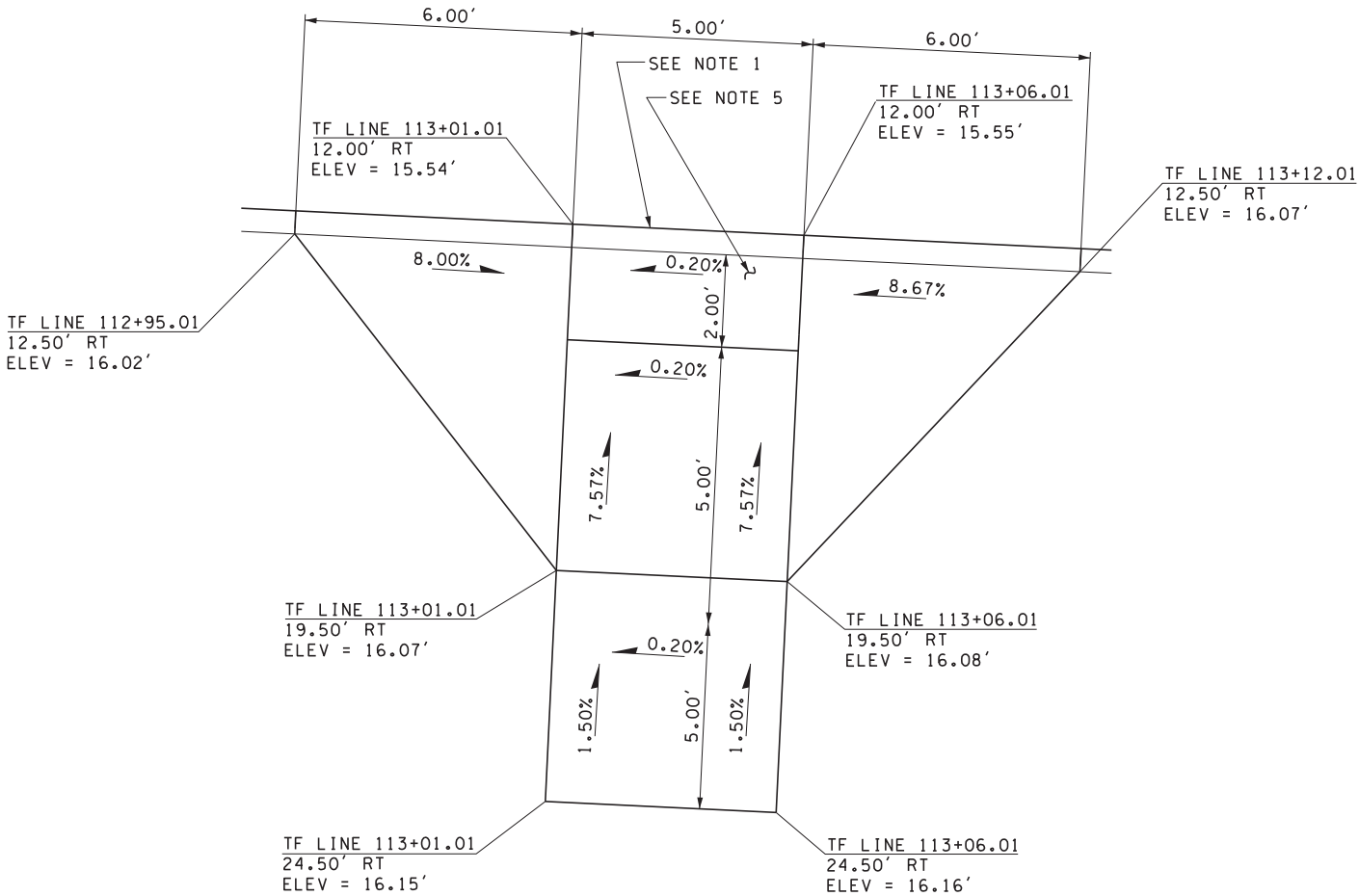


NOTES:

- 1. INSTALL PERPENDICULAR CURB RAMP PER WSDOT STD. PLAN F-40.15-03.
- 2. INSTALL SINGLE DIRECTION CURB RAMP PER WSDOT STD. PLAN F-40.16-03.
- 3. INSTALL PARALLEL CURB RAMP PER WSDOT STD. PLAN F-40.12-03.
- 4. INSTALL COMBINATION CURB RAMP PER WSDOT STD. PLAN F-40.14-03.
- 5. INSTALL DETECTABLE WARNING SURFACE PER WSDOT STD. PLAN F-45.10-02.
- 6. SEE LANDSCAPE DETAIL 5 SHEET C09.62 FOR LANDSCAPED AREA.



7 N SIDE OF FIRST ST AT  
C10.13 SOUND TRANSIT STATION  
CURB RAMP TYPE PERPENDICULAR A  
N.T.S.



8 S SIDE OF FIRST ST AT  
C10.13 SOUND TRANSIT STATION  
CURB RAMP TYPE PERPENDICULAR A  
N.T.S.

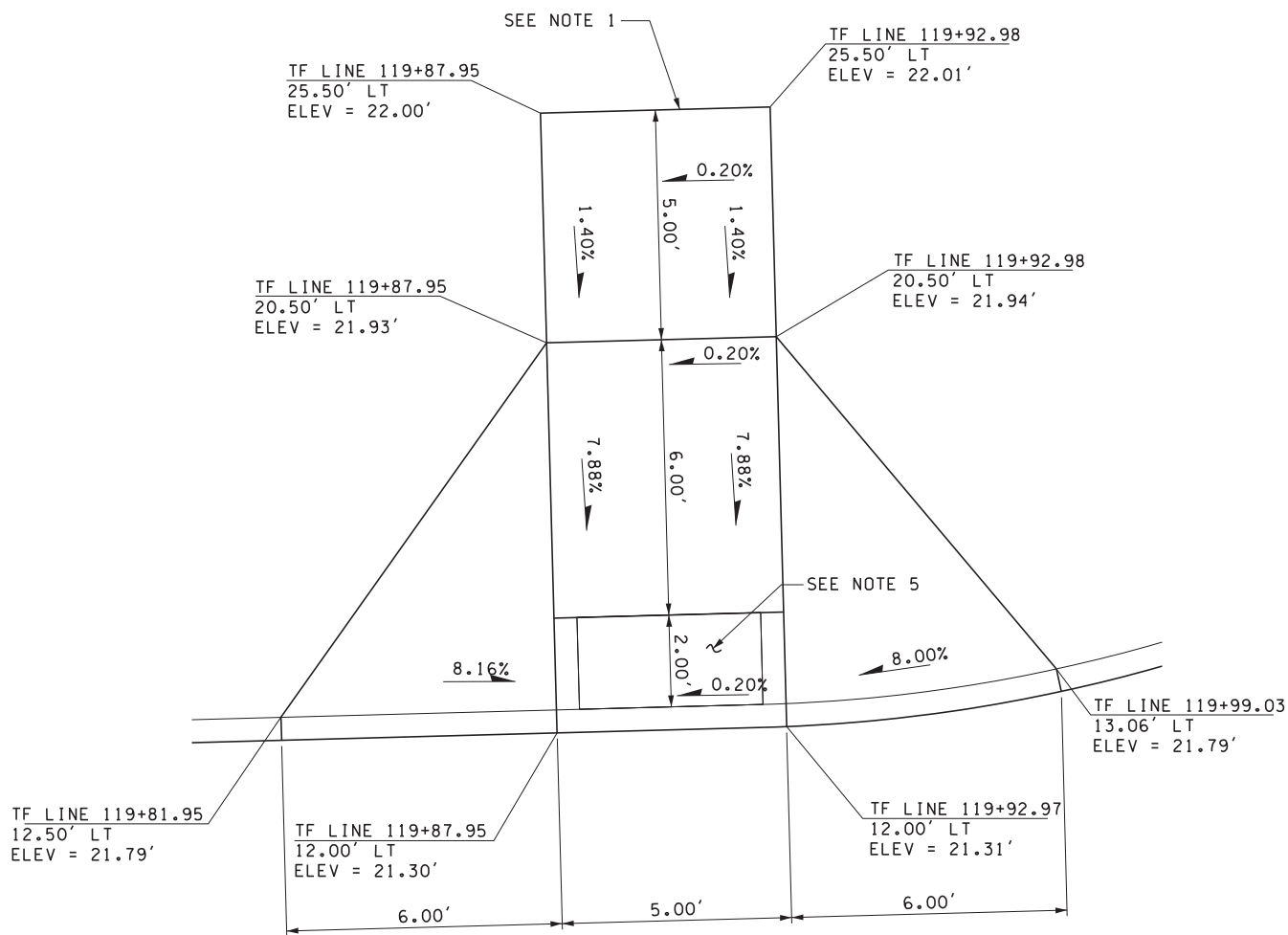
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DESIGNED BY: M. PANICK	12/14/2017				REGION NO. STATE
ENTERED BY: D. PERRY	12/14/2017				10 WASH
CHECKED BY: M. PANICK	12/14/2017				JOB NUMBER
MAR PROJ ENGR: C. TORRES					18W121
DIR TERM ENGR: N. MCINTOSH					CONTRACT NO.
ASST SECRETARY: A. SCARTON					00*****
	REVISION	DATE	BY		



SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION  
ADA RAMP DETAILS

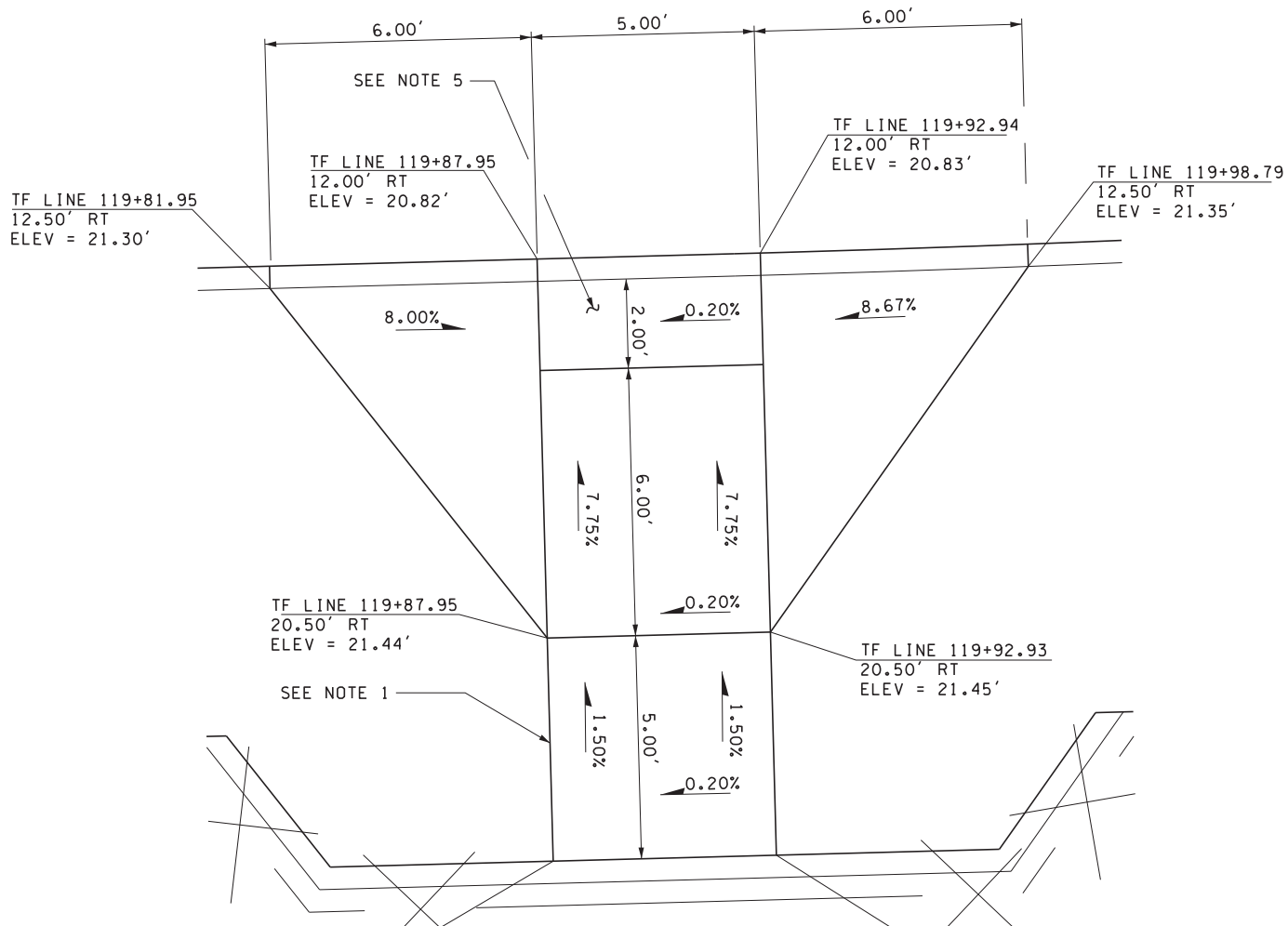
NOTES:

1. INSTALL PERPENDICULAR CURB RAMP PER WSDOT STD. PLAN F-40.15-03.
2. INSTALL SINGLE DIRECTION CURB RAMP PER WSDOT STD. PLAN F-40.16-03.
3. INSTALL PARALLEL CURB RAMP PER WSDOT STD. PLAN F-40.12-03.
4. INSTALL COMBINATION CURB RAMP PER WSDOT STD. PLAN F-40.14-03.
5. INSTALL DETECTABLE WARNING SURFACE PER WSDOT STD. PLAN F-45.10-02.
6. SEE LANDSCAPE DETAIL 5 SHEET C09.62 FOR LANDSCAPED AREA.



PLAN VIEW

**9** NW CORNER OF FIRST ST  
AND EXIT OF TRANSIT CENTER  
CURB RAMP TYPE PERPENDICULAR A  
N.T.S.



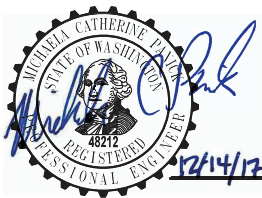
PLAN VIEW

**10** SW CORNER OF FIRST ST  
AND EXIT OF TRANSIT CENTER  
CURB RAMP PERPENDICULAR TYPE A  
N.T.S.

JACOBS



Washington State  
Department of Transportation  
WASHINGTON STATE FERRIES



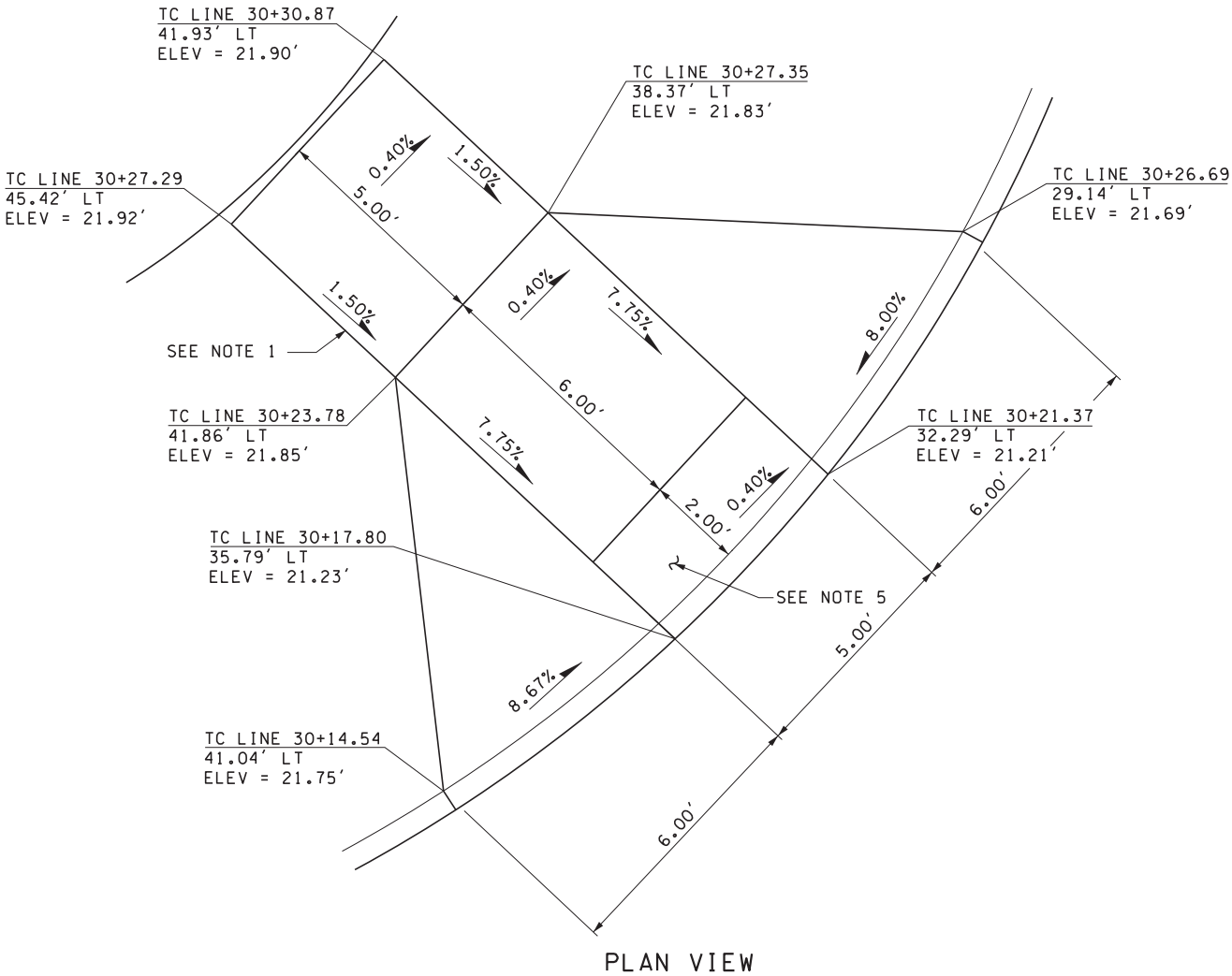
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ENTERED BY: D. PERRY	12/14/2017				JOB NUMBER		
CHECKED BY: M. PANICK	12/14/2017				18W121		
MAR PROJ ENGR: C. TORRES					CONTRACT NO.		
DIR TERM ENGR: N. MCINTOSH					00****		
ASST SECRETARY: A. SCARTON		REVISION	DATE	BY			

SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION  
ADA RAMP DETAILS

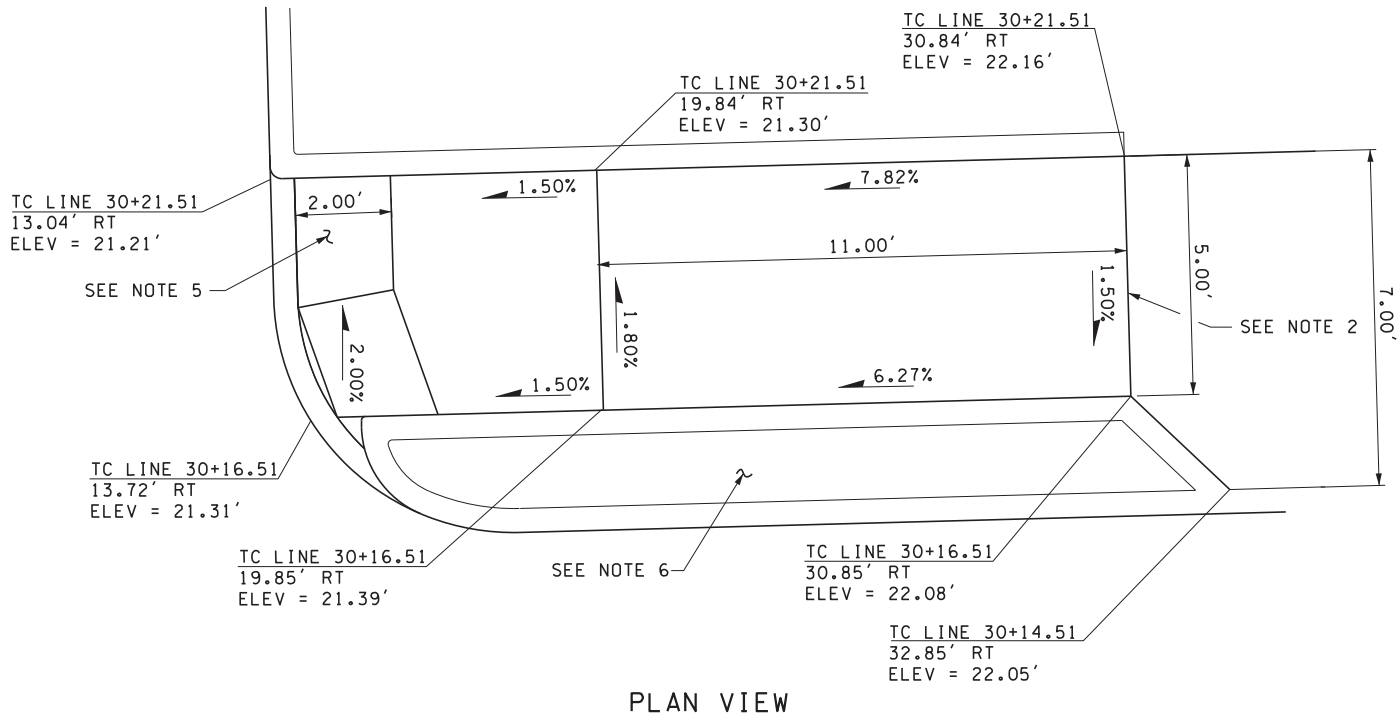
C10.24  
SHEET  
263  
OF  
1521  
SHEETS

NOTES:

- 1. INSTALL PERPENDICULAR CURB RAMP PER WSDOT STD. PLAN F-40.15-03.
- 2. INSTALL SINGLE DIRECTION CURB RAMP PER WSDOT STD. PLAN F-40.16-03.
- 3. INSTALL PARALLEL CURB RAMP PER WSDOT STD. PLAN F-40.12-03.
- 4. INSTALL COMBINATION CURB RAMP PER WSDOT STD. PLAN F-40.14-03.
- 5. INSTALL DETECTABLE WARNING SURFACE PER WSDOT STD. PLAN F-45.10-02.
- 6. SEE LANDSCAPE DETAIL 5 SHEET C09.62 FOR LANDSCAPED AREA.



11 NW CORNER OF FIRST ST AND  
EXIT TO TRANSIT CENTER  
CURB RAMP TYPE PERPENDICULAR A  
N.T.S.



12 NE CORNER OF FIRST ST AND  
EXIT TO TRANSIT CENTER  
CURB RAMP TYPE SINGLE DIRECTION A  
N.T.S.

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ENTERED BY: D. PERRY	12/14/2017				10 WASH
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ASST SECRETARY: A. SCARTON					00*****
	REVISION	DATE	BY		



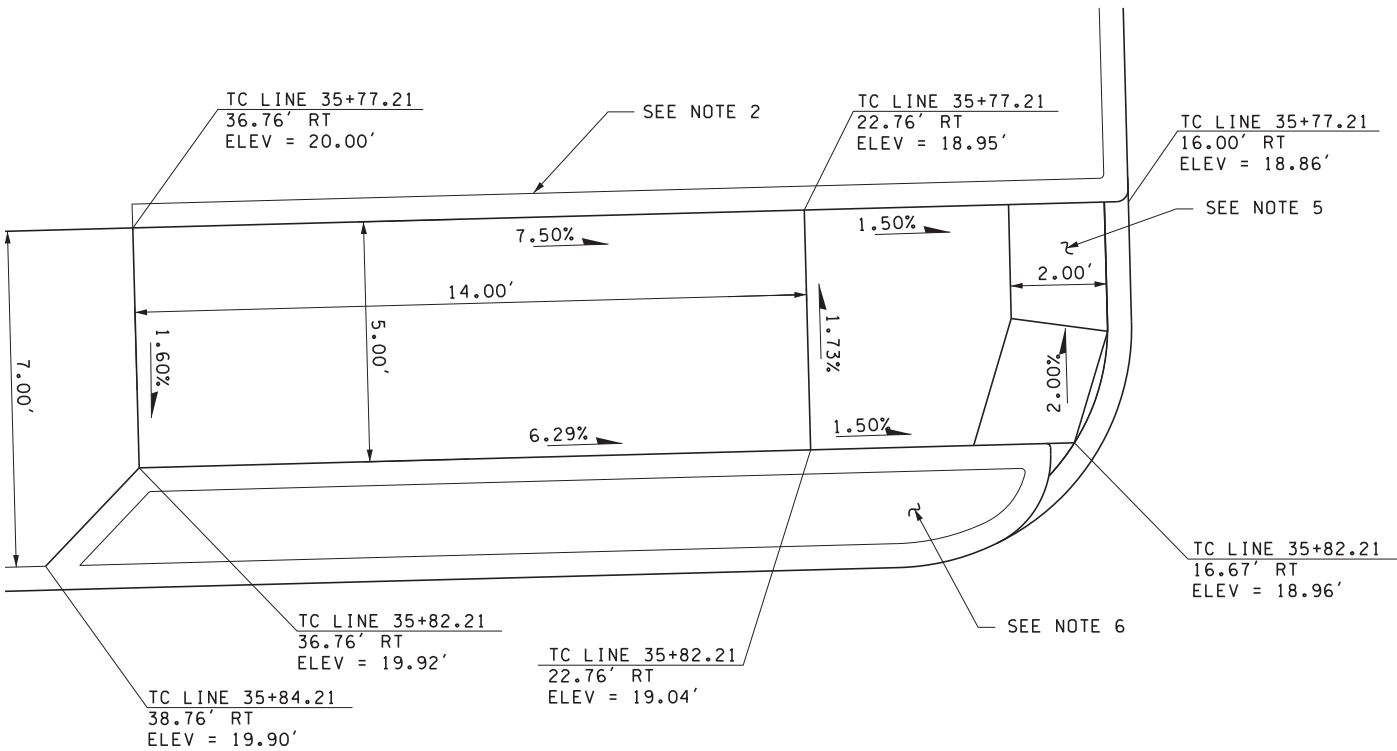
SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION  
ADA RAMP DETAILS

C10.25  
SHEET  
264  
OF  
1521  
SHEETS



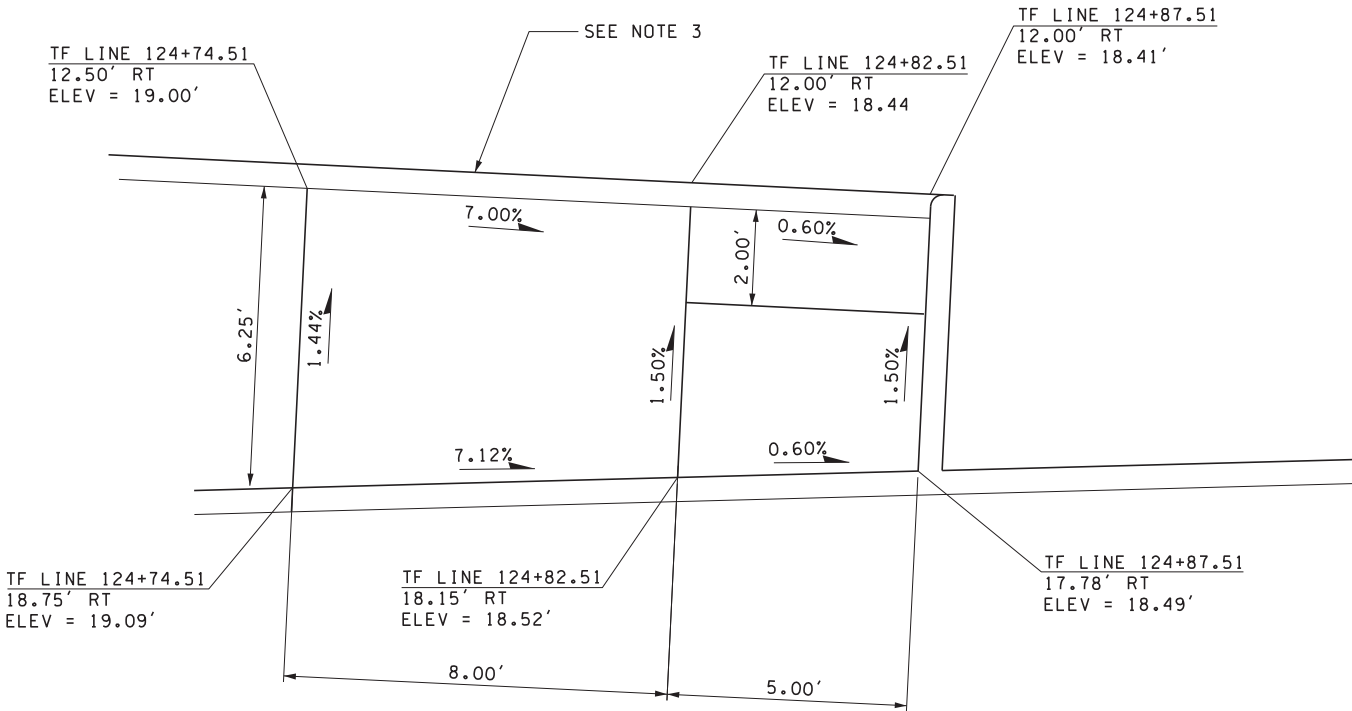
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- 1. INSTALL PERPENDICULAR CURB RAMP PER WSDOT STD. PLAN F-40.15-03.
- 2. INSTALL SINGLE DIRECTION CURB RAMP PER WSDOT STD. PLAN F-40.16-03.
- 3. INSTALL PARALLEL CURB RAMP PER WSDOT STD. PLAN F-40.12-03.
- 4. INSTALL COMBINATION CURB RAMP PER WSDOT STD. PLANS F-40.14-03.
- 5. INSTALL DETECTABLE WARNING SURFACE PER WSDOT STD. PLAN F-45.10-02.
- 6. SEE LANDSCAPE DETAIL 5 SHEET C09.62 FOR LANDSCAPED AREA.



PLAN VIEW

**13** NW CORNER OF FIRST ST AND  
ENTRANCE TO TRANSIT CENTER  
CURB RAMP TYPE SINGLE DIRECTION A  
N.T.S.

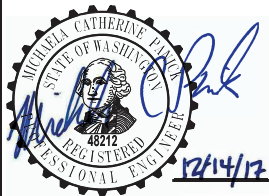


PLAN VIEW

**15** SW CORNER OF FIRST ST AND  
ENTRANCE TO TRANSIT CENTER  
CURB RAMP TYPE PARALLEL B  
N.T.S.

JACOBS

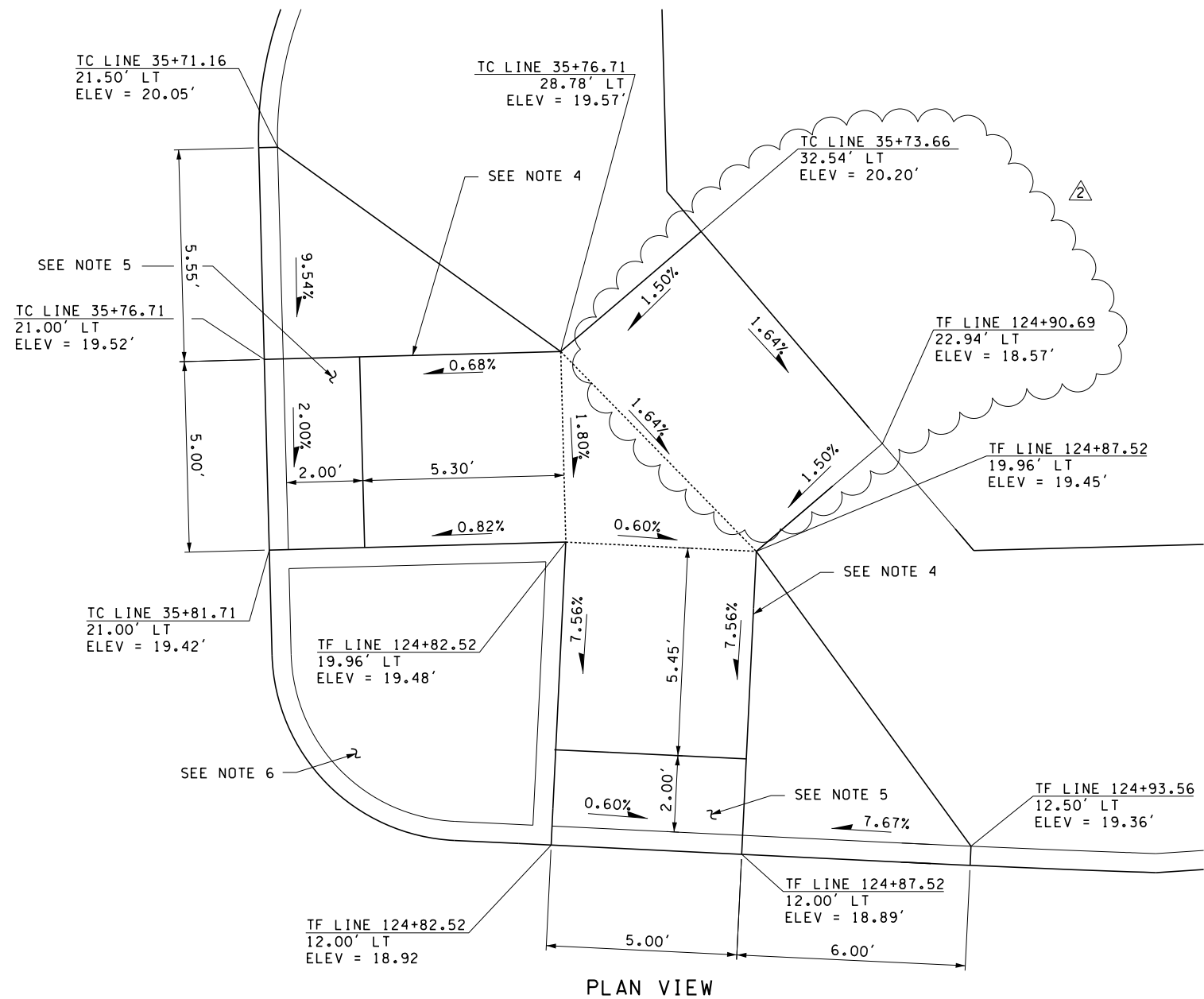
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ENTERED BY: D. PERRY	12/14/2017				10 WASH
CHECKED BY: M. PANICK	12/14/2017				JOB NUMBER
MAR PROJ ENGR: C. TORRES					18W121
DIR TERM ENGR: N. MCINTOSH					CONTRACT NO.
ASST SECRETARY: A. SCARTON					00*****
	REVISION	DATE	BY		



SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION  
ADA RAMP DETAILS

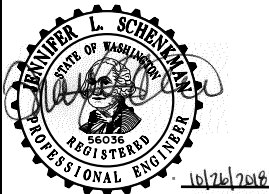
C10.26  
SHEET  
265  
OF  
1521  
SHEETS

- NOTES:
1. INSTALL PERPENDICULAR CURB RAMP PER WSDOT STD. PLAN F-40.15-03.
  2. INSTALL SINGLE DIRECTION CURB RAMP PER WSDOT STD. PLAN F-40.16-03.
  3. INSTALL PARALLEL CURB RAMP PER WSDOT STD. PLAN F-40.12-03.
  4. INSTALL COMBINATION CURB RAMP PER WSDOT STD. PLANS F-40.14-03.
  5. INSTALL DETECTABLE WARNING SURFACE PER WSDOT STD. PLAN F-45.10-02.
  6. SEE LANDSCAPE DETAIL 5 SHEET C09.62 FOR LANDSCAPED AREA.



14 NE CORNER OF FIRST ST AND  
ENTRANCE TO TRANSIT CENTER  
CURB RAMP TYPE PERPENDICULAR A  
N.T.S.

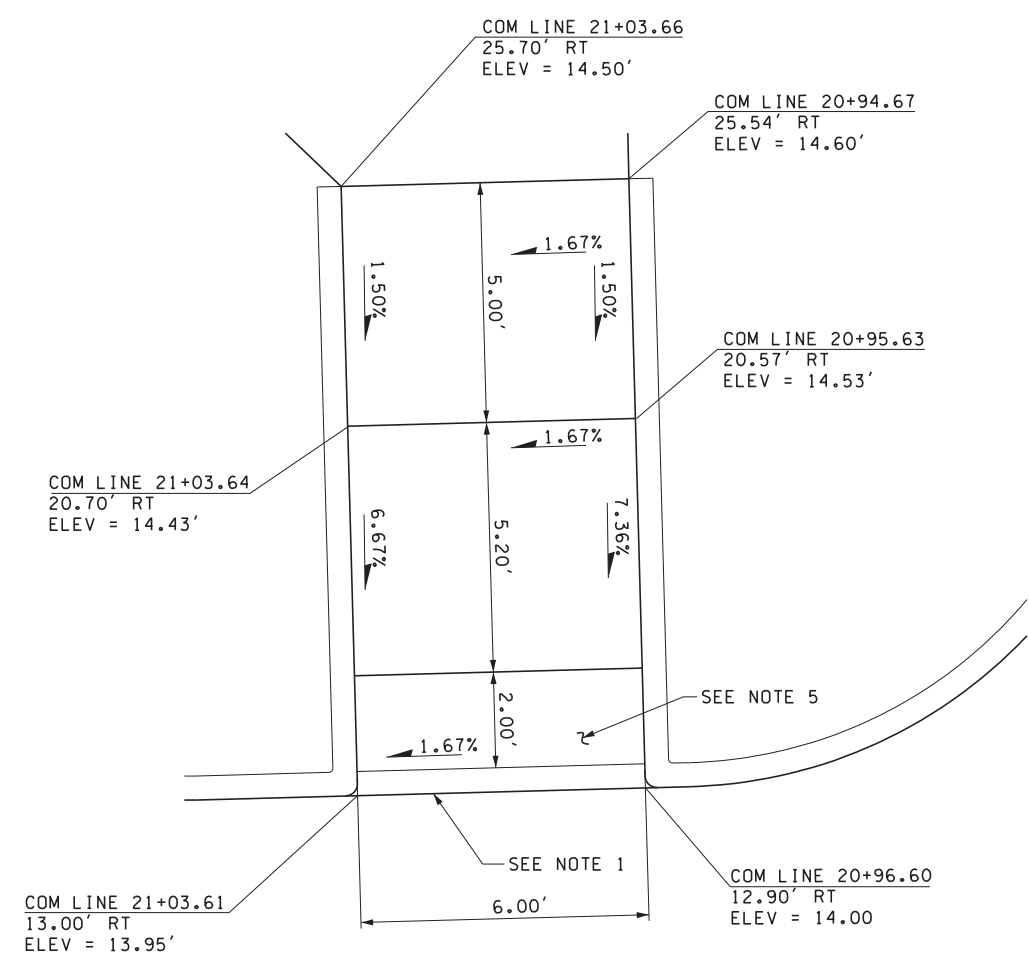
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ENTERED BY: D. PERRY	10/26/2018				10 WASH
CHECKED BY: M. PANICK	10/26/2018				JOB NUMBER
MAR PROJ ENGR: C. TORRES					18W121
DIR TERM ENGR: N. MCINTOSH					CONTRACT NO.
ASST SECRETARY: A. SCARTON					00****
	ADDENDUM #2	11/01/18	JLS		
	REVISION	DATE	BY		



SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION  
ADA RAMP DETAILS

C10.27  
SHEET  
266  
OF  
1521  
SHEETS

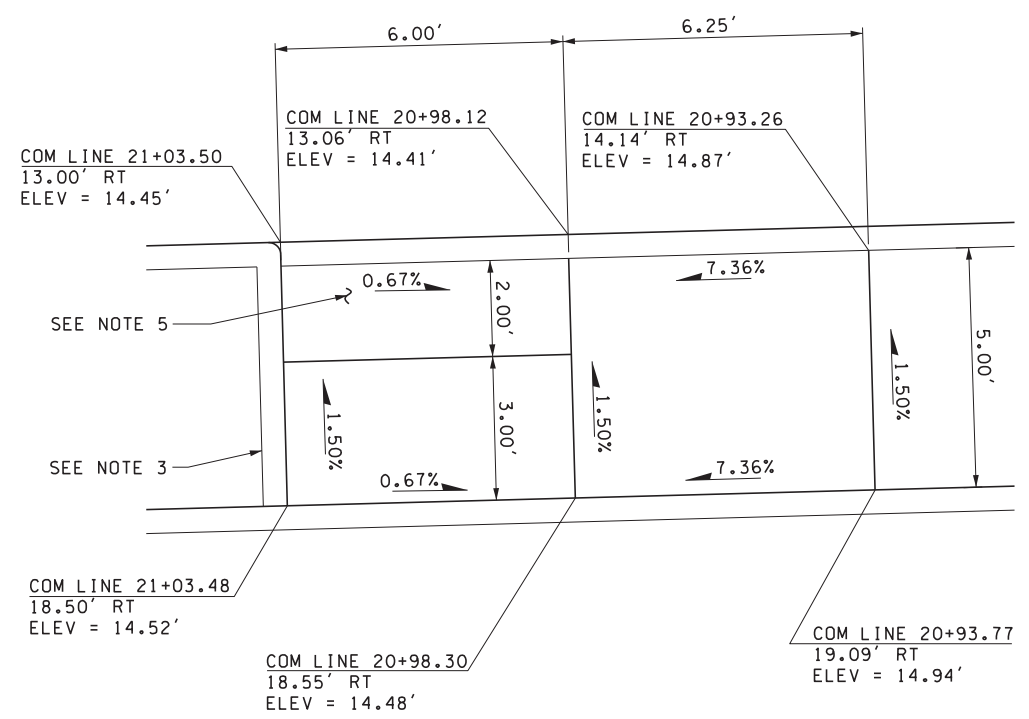
- NOTES:
- 1. INSTALL PERPENDICULAR CURB RAMP PER WSDOT STD. PLAN F-40.15-03.
  - 2. INSTALL SINGLE DIRECTION CURB RAMP PER WSDOT STD. PLAN F-40.16-03.
  - 3. INSTALL PARALLEL CURB RAMP PER WSDOT STD. PLAN F-40.12-03.
  - 4. INSTALL COMBINATION CURB RAMP PER WSDOT STD. PLANS F-40.14-03.
  - 5. INSTALL DETECTABLE WARNING SURFACE PER WSDOT STD. PLAN F-45.10-02.
  - 6. SEE LANDSCAPE DETAIL 5 SHEET C09.62 FOR LANDSCAPED AREA.



PLAN VIEW

**16** NW CORNER OF CITY OF MUKILTEO  
C10.11 PARKING ENTRANCE

CURB RAMP TYPE PERPENDICULAR B  
N.T.S.



PLAN VIEW

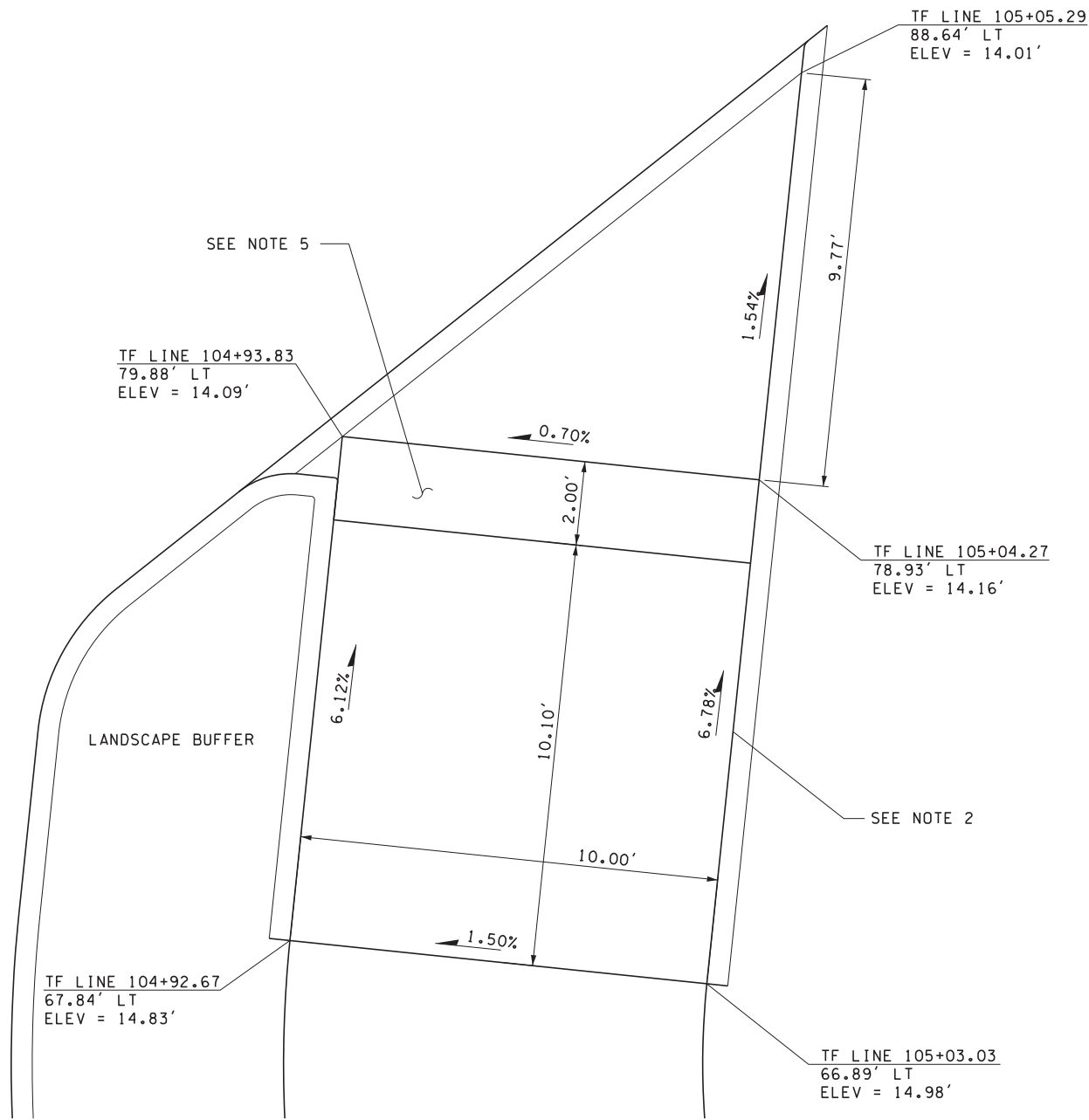
**17** SW CORNER OF CITY OF MUKILTEO  
C10.11 PARKING ENTRANCE

CURB RAMP TYPE PARALLEL B  
N.T.S.



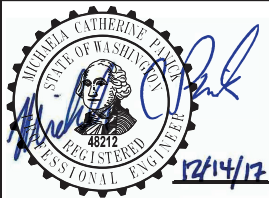
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- 1. INSTALL PERPENDICULAR CURB RAMP PER WSDOT STD. PLAN F-40.15-03.
- 2. INSTALL SINGLE DIRETCION CURB RAMP PER WSDOT STD. PLAN F-40.16-03.
- 3. INSTALL PARALLEL CURB RAMP PER WSDOT STD. PLAN F-40.12-03.
- 4. INSTALL COMBINATION CURB RAMP PER WSDOT STD. PLANS F-40.14-03.
- 5. INSTALL DETETCABLE WARNING SURFACE PER WSDOT STD. PLAN F-45.10-02.
- 6. SEE LANDSCAPE DETAIL 5 SHEET C09.62 FOR LANDSCAPED AREA.



PLAN VIEW  
18 NE CORNER OF SR525 EXTENSION  
AND PARK AVE  
CURB RAMP TYPE SINGLE DIRECTION A  
N.T.S.

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ASST SECRETARY: A. SCARTON					00****
	REVISION	DATE	BY		



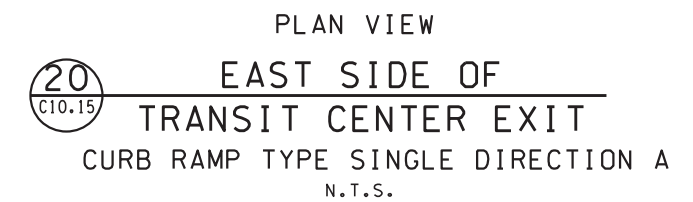
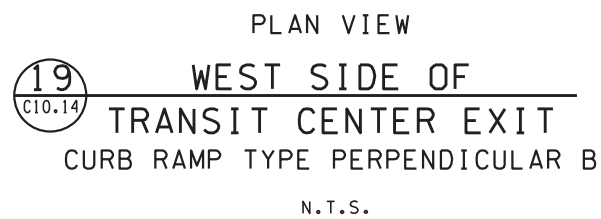
**JACOBS**



**Washington State**  
**Department of Transportation**  
WASHINGTON STATE FERRIES

SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION

ADA RAMP DETAILS

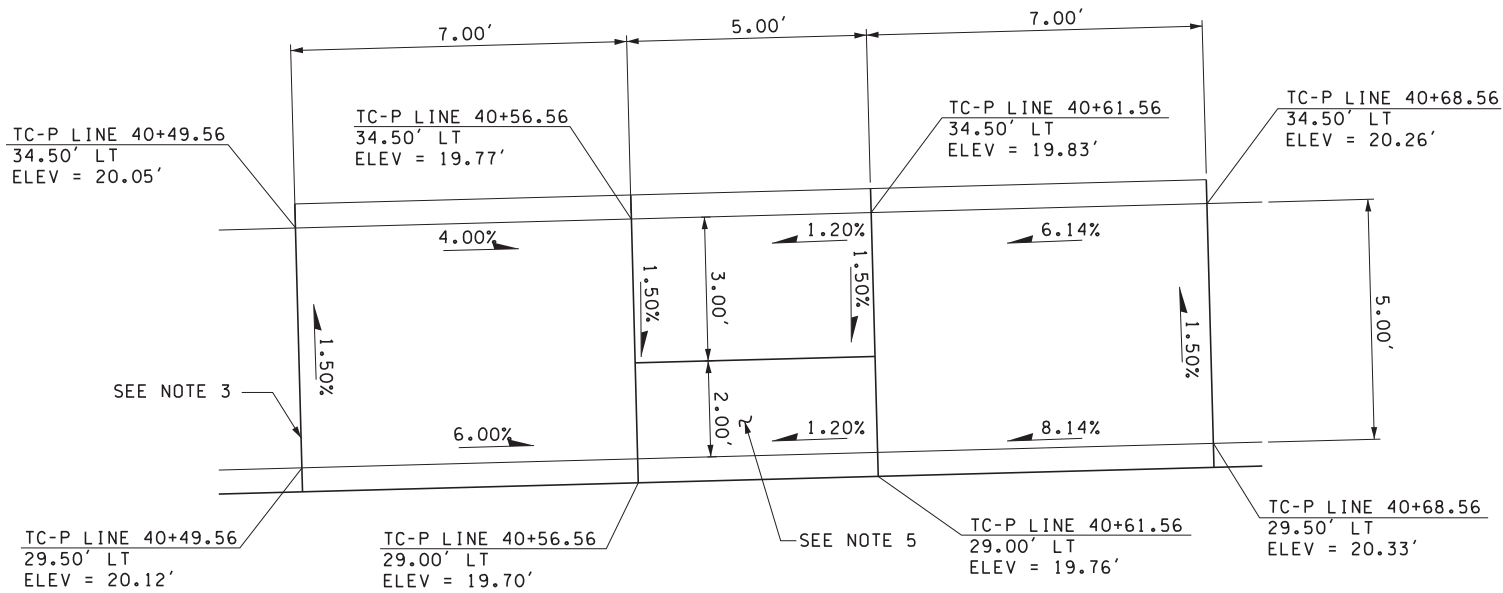
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3. INSTALL PARALLEL CURB RAMP PER WSDOT STD. PLAN F-40.12-03.
4. INSTALL COMBINATION CURB RAMP PER WSDOT STD. PLANS F-40.14-03.
5. INSTALL DETETCABLE WARNING SURFACE PER WSDOT STD. PLAN F-45.10-02.
6. SEE LANDSCAPE DETAIL 5 SHEET C09.62 FOR LANDSCAPED AREA.



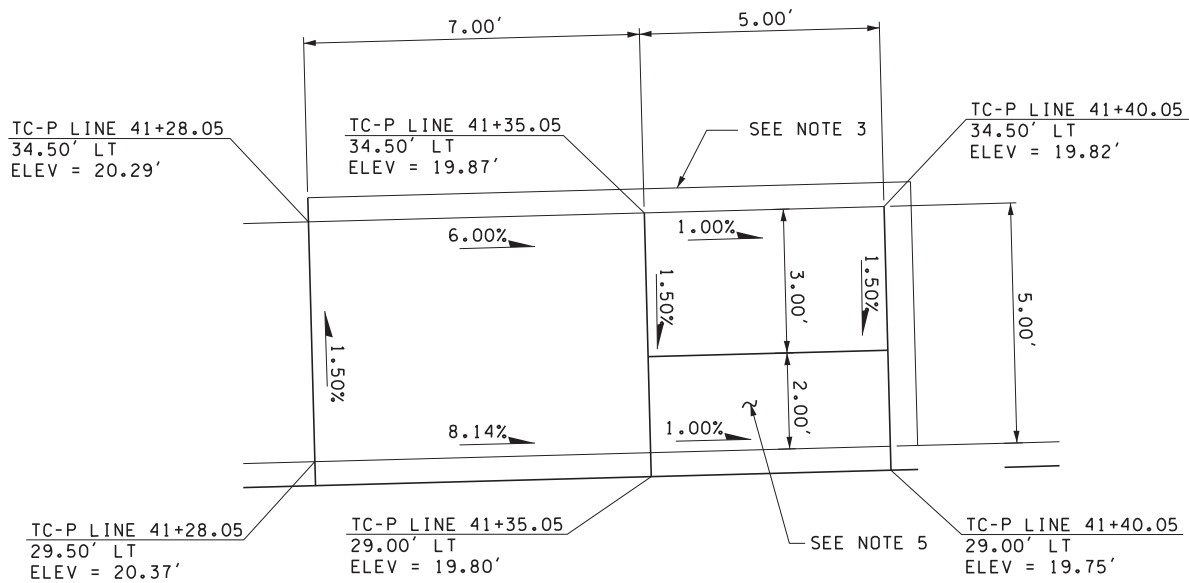
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ENTERED BY: D. PERRY		12/14/2017						10 WASH				1521				
CHECKED BY: M. PANICK		12/14/2017						JOB NUMBER 18W121				SHEETS				
MAR PROJ ENGR: C. TORRES								CONTRACT NO. 00****								
DIR TERM ENGR: N. MCINTOSH																
ASST SECRETARY: A. SCARTON		REVISION		DATE		BY										

NOTES:

- 1. INSTALL PERPENDICULAR CURB RAMP PER WSDOT STD. PLAN F-40.15-03.
- 2. INSTALL SINGLE DIRETCION CURB RAMP PER WSDOT STD. PLAN F-40.16-03.
- 3. INSTALL PARALLEL CURB RAMP PER WSDOT STD. PLAN F-40.12-03.
- 4. INSTALL COMBINATION CURB RAMP PER WSDOT STD. PLANS F-40.1-03.
- 5. INSTALL DETETCABLE WARNING SURFACE PER WSDOT STD. PLAN F-45.10-02.
- 6. SEE LANDSCAPE DETAIL 5 SHEET C09.62 FOR LANDSCAPED AREA.

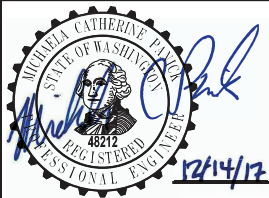


PLAN VIEW  
**21** NORTH WEST SIDE OF  
C10.15 TRANSIT CENTER PARKING  
CURB RAMP TYPE PARALLEL A  
N.T.S.



PLAN VIEW  
**22** NORTH EAST SIDE OF  
C10.15 TRANSIT CENTER PARKING  
CURB RAMP TYPE PARALLEL B  
N.T.S.

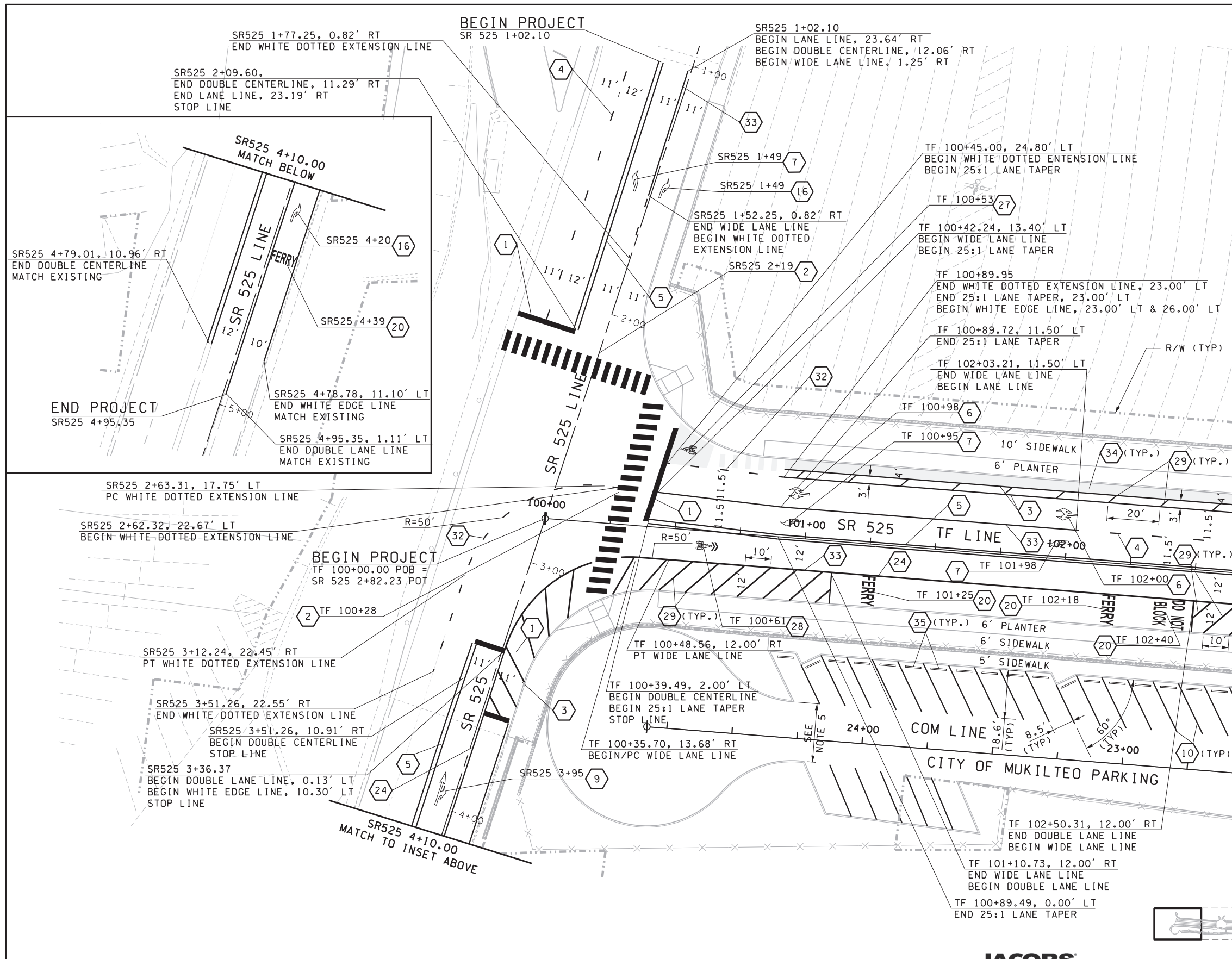
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CHECKED BY: M. PANICK		12/14/2017				CONTRACT NO.		00*****	
MAR PROJ ENGR: C. TORRES									
DIR TERM ENGR: N. MCINTOSH									
ASST SECRETARY: A. SCARTON				REVISION		DATE		BY	



SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION  
ADA RAMP DETAILS

C10.31  
SHEET  
270  
OF  
1521  
SHEETS





### NOTES:

1. SEE ROADWAY ALIGNMENT PLAN SHEETS C06.10 TO C06.16 FOR ALIGNMENT DATA.
2. SEE SITE PREPARATION PLAN SHEETS C04.10 TO C04.16 FOR PAVEMENT SAWCUT AND PLANING LIMITS.
3. UTILITIES NOT SHOWN FOR CLARITY.
4. ALL PAVEMENT MARKINGS SHALL BE PLASTIC PER WSDOT STD PLAN M-20.10-02, UNLESS OTHERWISE NOTED.
5. WIDTH OF TWO-WAY TRAFFIC AREA ADJACENT TO PARKING VARIES, BUT IS >22' (CODE MIN.).

### CONSTRUCTION NOTES:

1. INSTALL 24" PLASTIC STOP LINE PER WSDOT STD. PLAN M-24.60-04.
2. INSTALL PLASTIC CROSSWALK LINE PER WSDOT STD. PLAN M-15.10-01.
3. INSTALL PROFILED PLASTIC WHITE EDGE LINE PER WSDOT STD. PLAN M-20.10-02 AND M-20.20-02.
4. INSTALL PROFILED PLASTIC LANE LINE PER WSDOT STD. PLAN M-20.10-02 AND M-20.20-02.
5. INSTALL PROFILED PLASTIC DOUBLE CENTERLINE PER WSDOT STD. PLAN M-20.10-02 AND M-20.20-02.
6. INSTALL TYPE 4S TRAFFIC ARROW PER WSDOT STD. PLAN M-24.40-02.
7. INSTALL TYPE 2SL TRAFFIC ARROW PER WSDOT STD. PLAN M-24.40-02.
9. INSTALL TYPE 3SR TRAFFIC ARROW PER WSDOT STD. PLAN M-24.40-02.
10. INSTALL 4" WIDE, WHITE PAINT LINE PER WSDOT STD. PLAN M-17.10-02.
16. INSTALL TYPE 2SR TRAFFIC ARROW PER WSDOT STD. PLAN M-24.40-02.
20. INSTALL TRAFFIC LETTERS PER WSDOT STD. PLAN M-80.30-00.
24. INSTALL PROFILED PLASTIC DOUBLE LANE LINE PER WSDOT STD. PLAN M-20.10-02 AND M-20.20-02.
27. INSTALL BIKE RIDER SYMBOL PER WSDOT STD. PLAN M-9.50-02.
28. INSTALL BICYCLE SHARED LANE MARKING PER MUTCD FIGURE 9C-9.
29. INSTALL WHITE DIAGONAL CROSSHATCH MARKING PER WSDOT STD. PLAN M-24.60-04.
32. INSTALL PROFILED PLASTIC WHITE DOTTED EXTENSION LINE PER WSDOT STD. PLAN M-20.10-02 AND M-20.20-02.
33. INSTALL PROFILED PLASTIC WIDE LANE LINE PER WSDOT STD. PLAN M-20.10-02 AND M-20.20-02.
34. INSTALL GREEN PAVEMENT MARKING WITHIN THE BIKE LANE.
35. INSTALL WHEEL STOP PER WSDOT STD. PLAN M-17.10-02.

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SUBMITTAL DATE: 08/23/18

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ENTERED BY: K. THOMAS

CHECKED BY: J. SCHENKMAN

MAR PROJ ENGR: C. TORRES

DIR TERM ENGR: N. MCINTOSH

ASST SECRETARY: A. SCARTON

LAST PRINTED BY:

ConradCS

8/22/2018

8/22/2018

8/22/2018

REVISION

DATE

BY

FED.AID  
PROJ.NO.

WA-2017-007-00

REGION NO. STATE

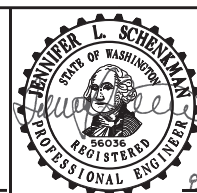
10 WASH

JOB NUMBER

18W121

CONTRACT NO.

00\*\*\*\*\*



SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION

PAVEMENT MARKING PLAN

C11.10

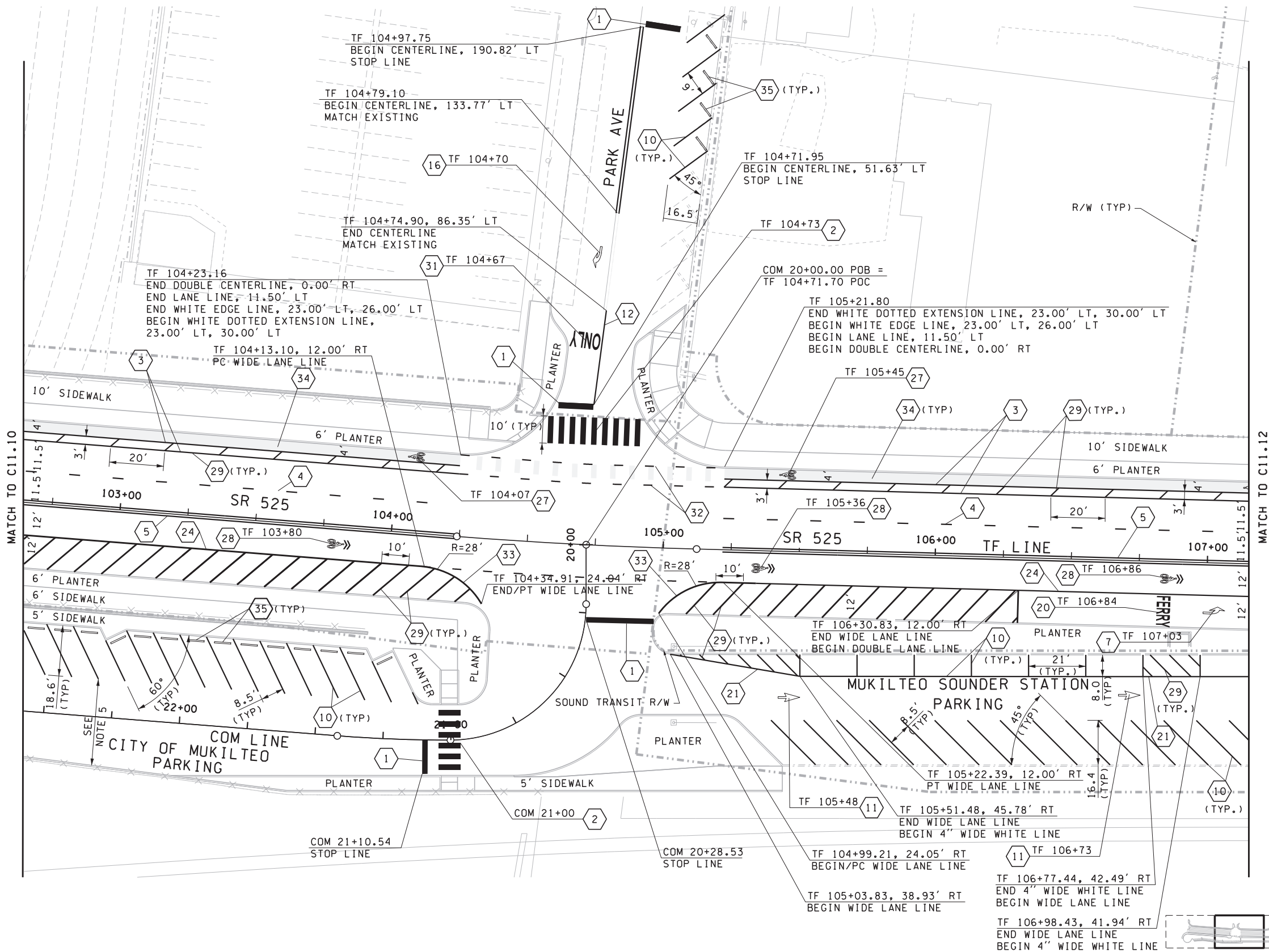
SHEET

271

OF

1521

SHEETS



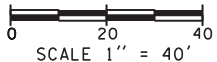
**NOTES:**

1. SEE ALIGNMENT PLAN SHEETS C06.10 TO C06.16 FOR ALIGNMENT DATA LOCATIONS.
2. SEE SITE PREPARATION PLAN SHEETS C04.10 TO C04.16 FOR PAVEMENT SAWCUT AND PLANING LIMITS.
3. UTILITIES NOT SHOWN FOR CLARITY.
4. ALL PAVEMENT MARKINGS SHALL BE PLASTIC PER WSDOT STD PLAN M-20.10-02, UNLESS OTHERWISE NOTED.
5. WIDTH OF TWO-WAY TRAFFIC AREA ADJACENT TO PARKING VARIES, BUT IS >22' (CODE MIN.).

**CONSTRUCTION NOTES:**

1. INSTALL 24" PLASTIC STOP LINE PER WSDOT STD. PLAN M-24.60-04.
2. INSTALL PLASTIC CROSSWALK LINE PER WSDOT STD. PLAN M-15.10-01.
3. INSTALL PROFILED PLASTIC WHITE EDGE LINE PER WSDOT STD. PLAN M-20.10-02 AND M-20.20-02.
4. INSTALL PROFILED PLASTIC LANE LINE PER WSDOT STD. PLAN M-20.10-02 AND M-20.20-02.
5. INSTALL PROFILED PLASTIC DOUBLE CENTERLINE PER WSDOT STD. PLAN M-20.10-02 AND M-20.20-02.
7. INSTALL TYPE 2SL TRAFFIC ARROW PER WSDOT STD. PLAN M-24.40-02.
10. INSTALL 4" WIDE, WHITE PAINT LINE PER WSDOT STD. PLAN M-17.10-02.
11. INSTALL TYPE 1S TRAFFIC ARROW PER WSDOT STD. PLAN M-24.40-02.
12. INSTALL CENTERLINE PER WSDOT STD. PLAN M-20.10-02.
16. INSTALL TYPE 2SR TRAFFIC ARROW PER WSDOT STD. PLAN M-24.40-02.
20. INSTALL TRAFFIC LETTERS PER WSDOT STD. PLAN M-80.30-00.
21. INSTALL WIDE LANE LINE PER WSDOT STD. PLAN M-20.10-02.
24. INSTALL PROFILED PLASTIC DOUBLE LANE LINE PER WSDOT STD. PLAN M-20.10-02 AND M-20.20-02.
27. INSTALL BIKE RIDER SYMBOL PER WSDOT STD. PLAN M-9.50-02.
28. INSTALL BICYCLE SHARED LANE MARKING PER MUTCD FIGURE 9C-9.
29. INSTALL WHITE DIAGONAL CROSSHATCH MARKING PER WSDOT STD. PLAN M-24.60-04.
31. INSTALL LETTER MARKING "ONLY" PER LOW-SPEED APPLICATION PER WSDOT STD. PLAN M-80.10-01.
32. INSTALL PROFILED PLASTIC WHITE DOTTED EXTENTION LINE PER WSDOT STD. PLAN M-20.10-02 AND M-20.20-02.
33. INSTALL PROFILED PLASTIC WIDE LANE LINE PER WSDOT STD. PLAN M-20.10-02 AND M-20.20-02.
34. INSTALL GREEN PAVEMENT MARKING WITHIN THE BIKE LANE.
35. INSTALL WHEEL STOP PER WSDOT STD. PLAN M-17.10-02.

**KEY PLAN**



FILE NAME: WS\Mukilteo\14W121\_FerryTermConst\CADD\JACOBS\14w121c11.11.dwg

PRINTED: 8:37:40 AM 8/22/2018

SUBMITTAL DATE: 08/23/18

DESIGNED BY: M. PANICK

ENTERED BY: K. THOMAS

CHECKED BY: J. SCHENKMAN

MAR PROJ ENGR: C. TORRES

DIR TERM ENGR: N. MCINTOSH

ASST SECRETARY: A. SCARTON

LAST PRINTED BY:

Contract:

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PROJ.NO.

WA-2017-007-00

REGION NO. STATE

10 WASH

JOB NUMBER

18W121

CONTRACT NO.

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SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION

PAVEMENT MARKING PLAN

C11.11

SHEET

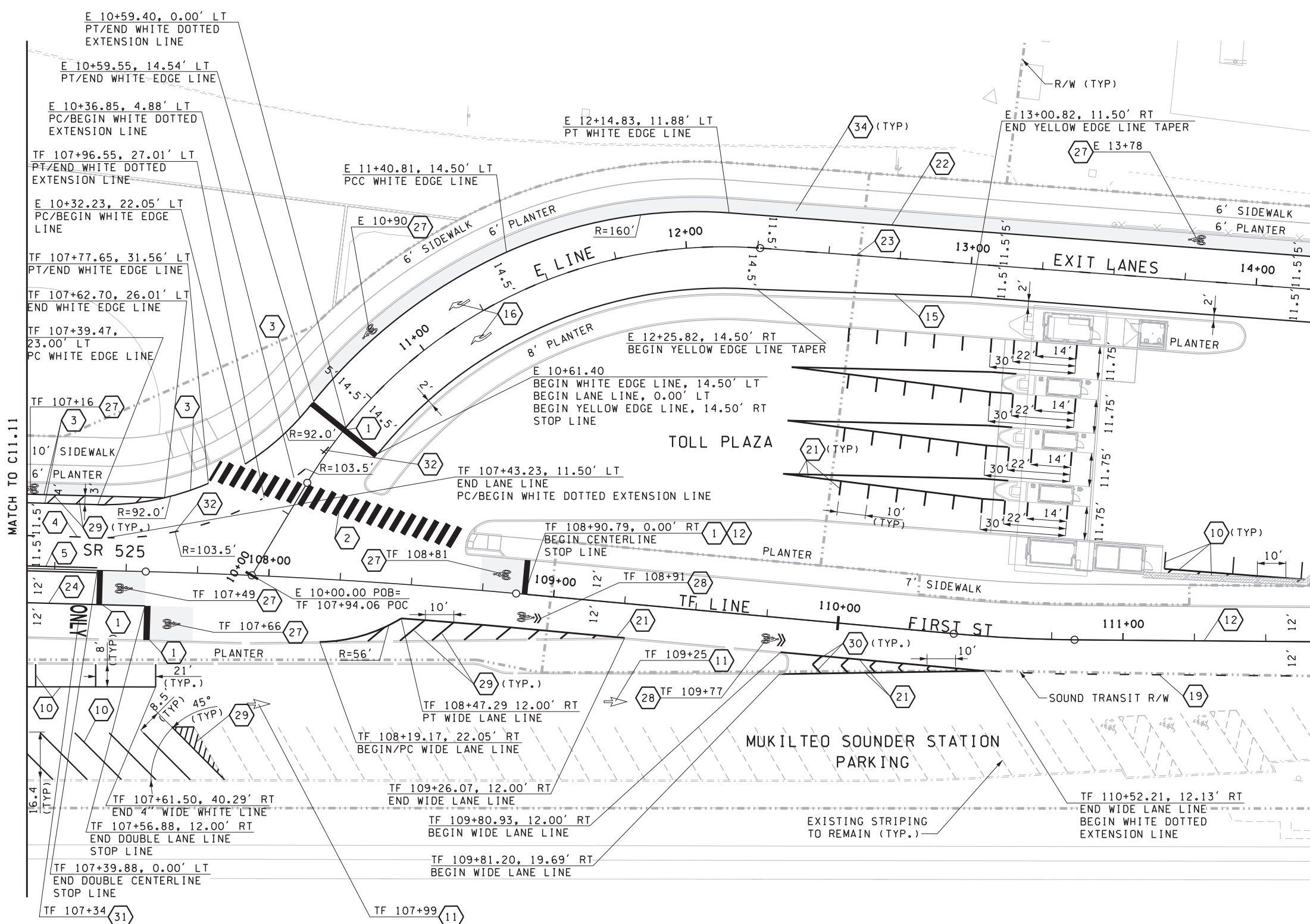
272

OF

1521

SHEETS



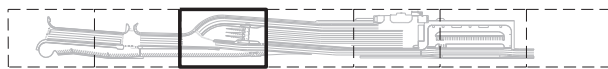


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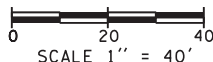
- SEE ALIGNMENT PLAN SHEETS C06.10 TO C06.16 FOR ALIGNMENT DATA.
- SEE SITE PREPARATION PLAN SHEETS C04.10 TO C04.16 FOR PAVEMENT SAWCUT AND PLANING LIMITS.
- UTILITIES NOT SHOWN FOR CLARITY.
- ALL PAVEMENT MARKINGS SHALL BE PLASTIC PER WSDOT STD PLAN M-20.10-02, UNLESS OTHERWISE NOTED.
- EXIT LANES ARE 11.5' WIDE ON TANGENT. TO MEET REQUIREMENTS OF LANE WIDENING AROUND CURVES FOR EXIT LANES FOR WB-40, THE TRAVELED ROADWAY WIDTH MUST BE INCREASED FROM 23' TO 29'. THIS INCREASE MAKES EACH LANE 14.5' WIDE THROUGHOUT THE ENTIRE CURVE.
- SEE BUILDING PLANS FOR FOUNDATION AND OTHER ITEMS RELATED TO THE BUILDING.

## CONSTRUCTION NOTES:

- INSTALL 24" PLASTIC STOP LINE PER WSDOT STD. PLAN M-24.60-04.
- INSTALL PLASTIC CROSSWALK LINE PER WSDOT STD. PLAN M-15.10-01.
- INSTALL PROFILED PLASTIC WHITE EDGE LINE PER WSDOT STD. PLAN M-20.10-02 AND M-20.20-02.
- INSTALL PROFILED PLASTIC LANE LINE PER WSDOT STD. PLAN M-20.10-02 AND M-20.20-02.
- INSTALL PROFILED PLASTIC DOUBLE CENTERLINE PER WSDOT STD. PLAN M-20.10-02 AND M-20.20-02.
- INSTALL 4" WIDE, WHITE PAINT LINE PER WSDOT STD. PLAN M-17.10-02.
- INSTALL TYPE 1S TRAFFIC ARROW PER WSDOT STD. PLAN M-24.40-02.
- INSTALL CENTERLINE PER WSDOT STD. PLAN M-20.10-02.
- INSTALL YELLOW EDGE LINE PER WSDOT STD. PLAN M-20.10-02.
- INSTALL TYPE 2SR TRAFFIC ARROW PER WSDOT STD. PLAN M-24.40-02.
- INSTALL WHITE DOTTED EXTENSION LINE PER WSDOT STD. PLAN M-20.10-02.
- INSTALL WIDE LANE LINE PER WSDOT STD. PLAN M-20.10-02.
- INSTALL WHITE EDGE LINE PER WSDOT STD. PLAN M-20.10-02.
- INSTALL LANE LINE PER WSDOT STD. PLAN M-20.10-02.
- INSTALL PROFILED PLASTIC DOUBLE LANE LINE PER WSDOT STD. PLAN M-20.10-02 AND M-20.20-02.
- INSTALL BIKE RIDER SYMBOL PER WSDOT STD. PLAN M-9.50-02.
- INSTALL BICYCLE SHARED LANE MARKING PER MUTCD FIGURE 9C-9.
- INSTALL WHITE DIAGONAL CROSSHATCH MARKING PER WSDOT STD. PLAN M-24.60-04.
- INSTALL WHITE CHEVRON CROSSHATCH MARKING PER WSDOT STD. PLAN M-24.60-04.
- INSTALL LETTER MARKING "ONLY" PER LOW-SPEED APPLICATION PER WSDOT STD. PLAN M-80.10-01.
- INSTALL PROFILED PLASTIC WHITE DOTTED EXTENSION LINE PER WSDOT STD. PLAN M-20.10-02 AND M-20.20-02.
- INSTALL GREEN PAVEMENT MARKING WITHIN THE BIKE LANE



KEY PLAN



JACOBS



Washington State  
Department of Transportation  
WASHINGTON STATE FERRIES

SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION

PAVEMENT MARKING PLAN

C11.12

SHEET  
273  
OF  
1521  
SHEETS

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CHECKED BY: M. PANICK

MAR PROJ ENGR: C. TORRES

DIR TERM ENGR: N. MCINTOSH

ASST SECRETARY: A. SCARTON

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REGION NO. STATE

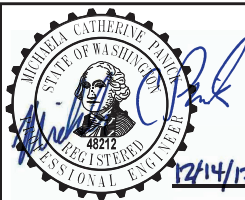
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JOB NUMBER

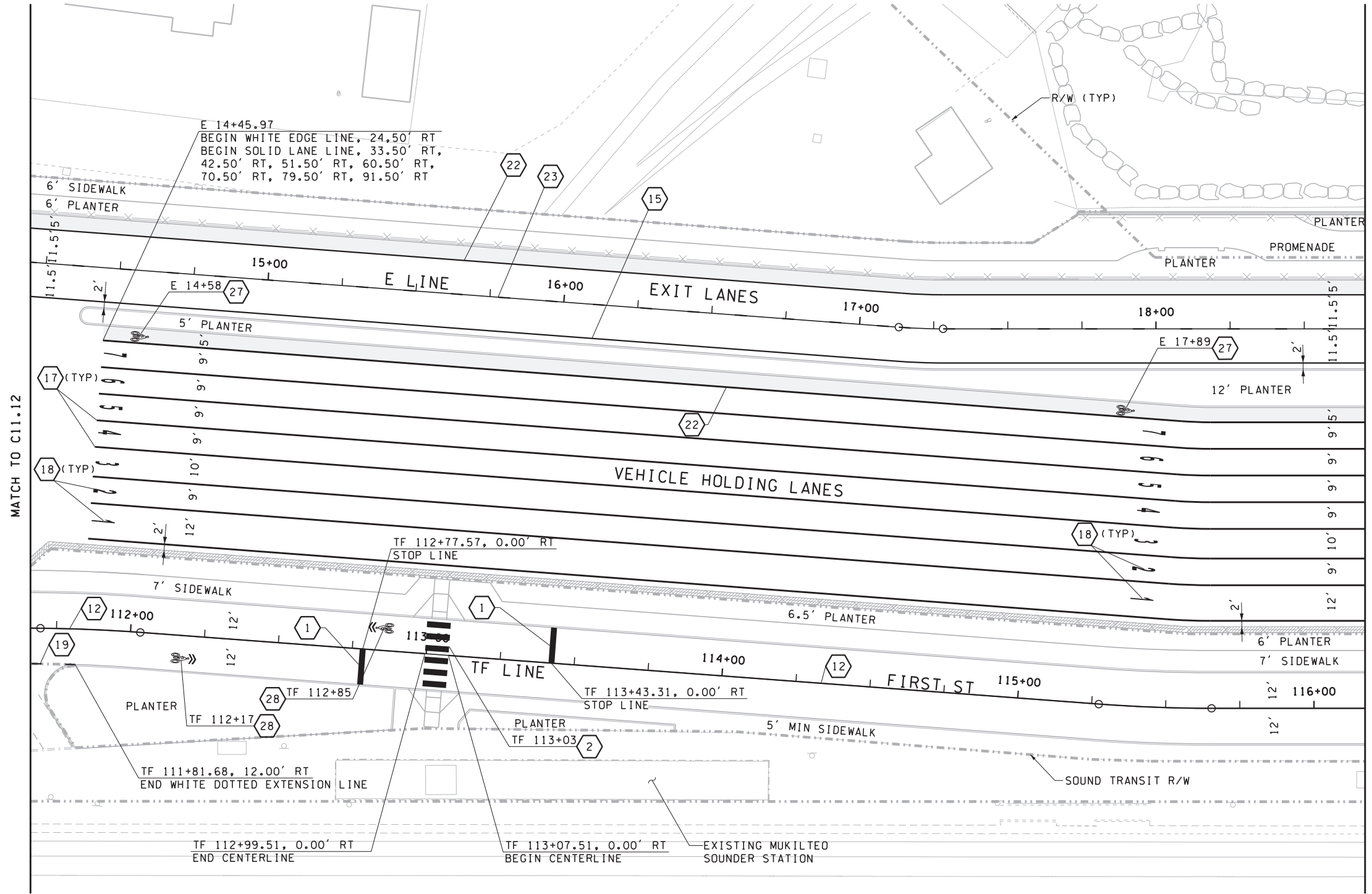
18W121

CONTRACT NO.

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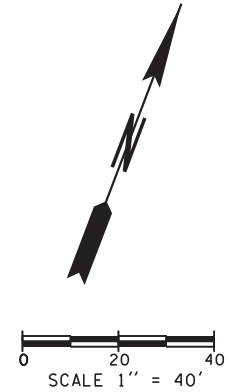






- NOTES:**
- SEE ALIGNMENT PLAN SHEETS C06.10 TO C06.16 FOR ALIGNMENT DATA.
  - SEE SITE PREPARATION PLAN SHEETS C04.10 TO C04.16 FOR PAVEMENT SAWCUT AND PLANING LIMITS.
  - UTILITIES NOT SHOWN FOR CLARITY.
  - ALL PAVEMENT MARKINGS SHALL BE PLASTIC PER WSDOT STD PLAN M-20.10-02, UNLESS OTHERWISE NOTED.

- CONSTRUCTION NOTES:**
- INSTALL 24" PLASTIC STOP LINE PER WSDOT STD. PLAN M-24.60-04.
  - INSTALL PLASTIC CROSSWALK LINE PER WSDOT STD. PLAN M-15.10-01.
  - INSTALL CENTERLINE PER WSDOT STD. PLAN M-20.10-02.
  - INSTALL YELLOW EDGE LINE PER WSDOT STD. PLAN M-20.10-02.
  - INSTALL SOLID LANE LINE PER WSDOT STD. PLAN M-20.10-02.
  - INSTALL TRAFFIC NUMERALS PER WSDOT STD. PLAN M-80.30-00.
  - INSTALL WHITE DOTTED EXTENSION LINE PER WSDOT STD. PLAN M-20.10-02.
  - INSTALL WHITE EDGE LINE PER WSDOT STD. PLAN M-20.10-02.
  - INSTALL LANE LINE PER WSDOT STD. PLAN M-20.10-02.
  - INSTALL BIKE RIDER SYMBOL PER WSDOT STD. PLAN M-9.50-02.
  - INSTALL BICYCLE SHARED LANE MARKING PER MUTCD FIGURE 9C-9.



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DIR TERM ENGR: N. MCINTOSH

ASST SECRETARY: A. SCARTON

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FED.AID PROJ.NO.

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10 WASH

JOB NUMBER

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CONTRACT NO.

00\*\*\*\*\*

SR 525

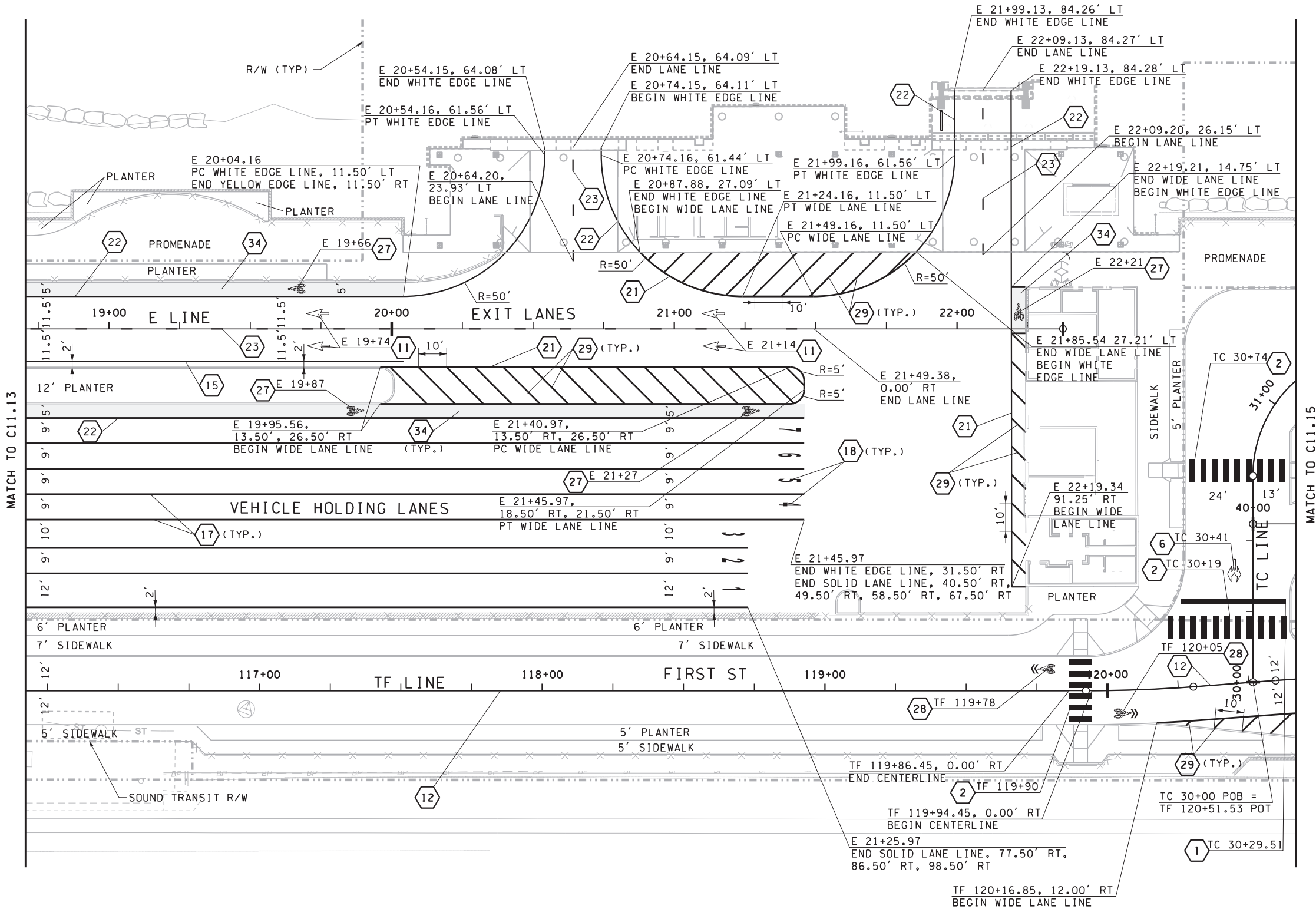
MUKILTEO FERRY TERMINAL (PHASE 2)

FERRY TERMINAL CONSTRUCTION

PAVEMENT MARKING PLAN

C11.13

SHEET 274 OF 1521 SHEETS



MATCH TO C11.13

MATCH TO C11.15

NOTES:

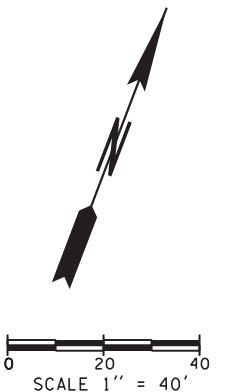
1. SEE ROADWAY ALIGNMENT PLAN SHEETS C06.10 TO C06.16 FOR ALIGNMENT DATA LOCATIONS.
2. SEE SITE PREPARATION PLAN SHEETS C04.10 TO C04.16 FOR PAVEMENT SAWCUT AND PLANING LIMITS.
3. UTILITIES NOT SHOWN FOR CLARITY.
4. ALL PAVEMENT MARKINGS SHALL BE PLASTIC PER WSDOT STD PLAN M-20.10-02, UNLESS OTHERWISE NOTED.
7. SEE BUILDING PLANS FOR FOUNDATION AND OTHER ITEMS RELATED TO THE BUILDING.

CONSTRUCTION NOTES:

1. INSTALL 24" PLASTIC STOP LINE PER WSDOT STD. PLAN M-24.60-04.
2. INSTALL PLASTIC CROSSWALK LINE PER WSDOT STD. PLAN M-15.10-01.
6. INSTALL TYPE 4S TRAFFIC ARROW PER WSDOT STD. PLAN M-24.40-02
11. INSTALL TYPE 1S TRAFFIC ARROW PER WSDOT STD. PLAN M-24.40-02.
12. INSTALL CENTERLINE PER WSDOT STD. PLAN M-20.10-02.
15. INSTALL YELLOW EDGE LINE PER WSDOT STD. PLAN M-20.10-02.
17. INSTALL SOLID LANE LINE PER WSDOT STD. PLAN M-20.10-02.
18. INSTALL TRAFFIC NUMERALS PER WSDOT STD. PLAN M-80.30-00.
21. INSTALL WIDE LANE LINE PER WSDOT STD. PLAN M-20.10-02.
22. INSTALL WHITE EDGE LINE PER WSDOT STD. PLAN M-20.10-02.
23. INSTALL LANE LINE PER WSDOT STD. PLAN M-20.10-02.
27. INSTALL BIKE RIDER SYMBOL PER WSDOT STD. PLAN M-9.50-02.
28. INSTALL BICYCLE SHARED LANE MARKING PER MUTCD FIGURE 9C-9.
29. INSTALL DIAGONAL CROSSHATCH MARKING PER WSDOT STD. PLAN M-24.60-04.
34. INSTALL GREEN PAVEMENT MARKING WITHIN THE BIKE LANE.



KEY PLAN



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DIR TERM ENGR: N. MCINTOSH

ASST SECRETARY: A. SCARTON

LAST PRINTED BY:

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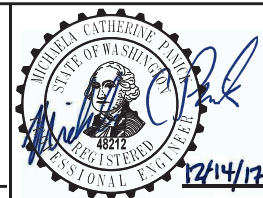
10 WASH

JOB NUMBER

18W121

CONTRACT NO.

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JACOBS



Washington State  
Department of Transportation  
WASHINGTON STATE FERRIES

SR 525

MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION

PAVEMENT MARKING PLAN

C11.14

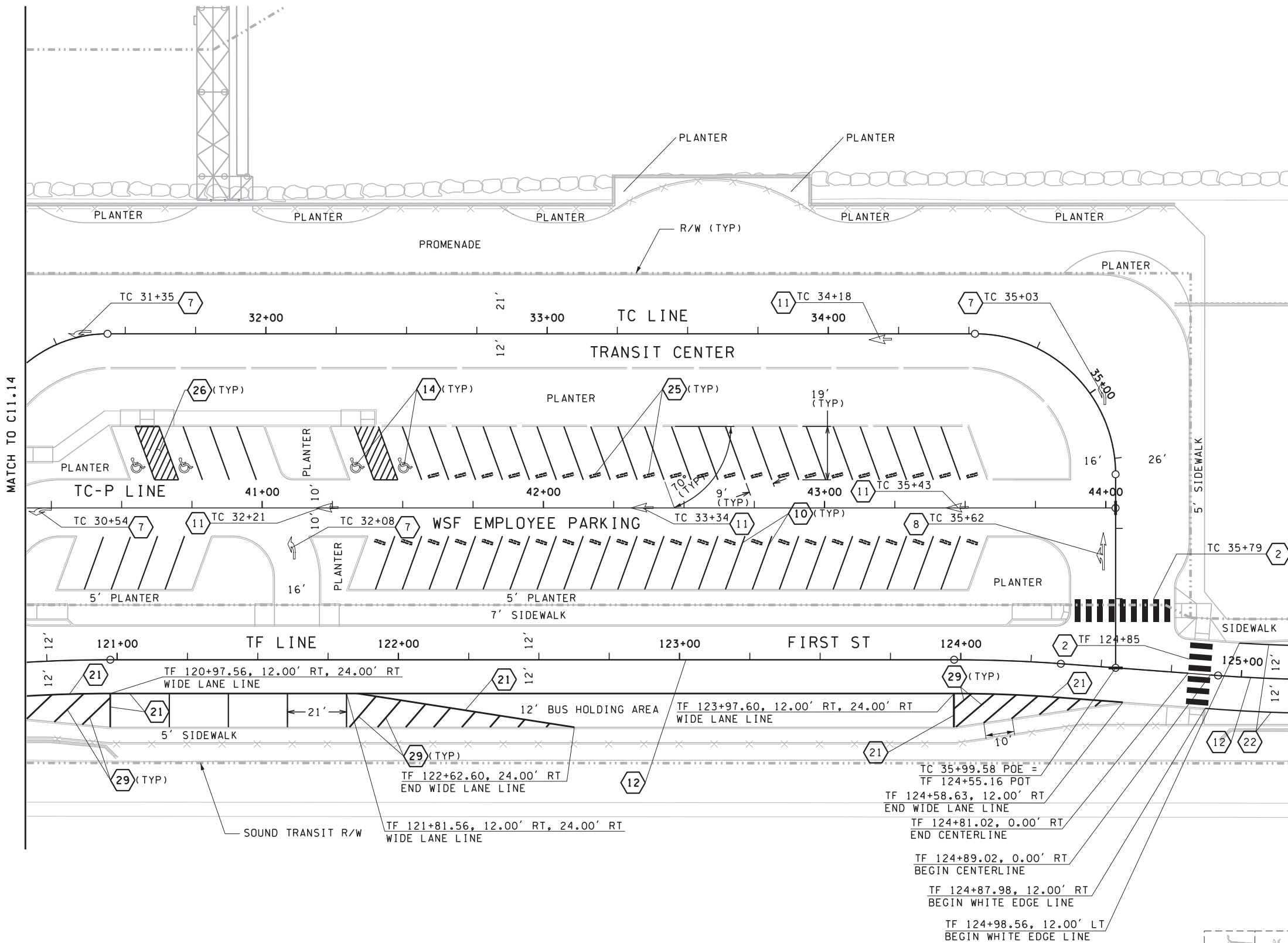
SHEET

275

OF

1521

SHEETS



MATCH TO C11.14

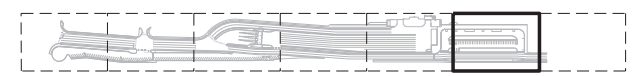
MATCH TO C11.16

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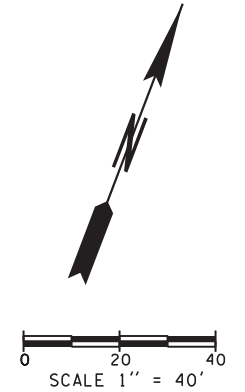
- 1. SEE ROADWAY ALIGNMENT PLAN SHEETS C06.10 TO C06.16 FOR ALIGNMENT DATA.
- 2. SEE SITE PREPARATION PLAN SHEETS C04.10 TO C04.16 FOR PAVEMENT SAWCUT AND PLANING LIMITS.
- 3. UTILITIES NOT SHOWN FOR CLARITY.
- 4. ALL PAVEMENT MARKINGS SHALL BE PLASTIC PER WSDOT STD PLAN M-20.10-02, UNLESS OTHERWISE NOTED.

CONSTRUCTION NOTES:

- 2. INSTALL PLASTIC CROSSWALK LINE PER WSDOT STD. PLAN M-15.10-01.
- 7. INSTALL TYPE 2SL TRAFFIC ARROW PER WSDOT STD. PLAN M-24.40-02.
- 8. INSTALL TYPE 3SL TRAFFIC ARROW PER WSDOT STD. PLAN M-24.40-02.
- 10. INSTALL 4" WIDE, WHITE PAINT LINE PER WSDOT STD. PLAN M-24.40-02.
- 11. INSTALL TYPE 1S TRAFFIC ARROW PER WSDOT STD. PLAN M-24.40-02.
- 12. INSTALL CENTERLINE PER WSDOT STD. PLAN M-20.10-02.
- 14. INSTALL ACCESS PARKING SPACE SYMBOL (STANDARD) PER WSDOT STD. PLAN M-24.60-04.
- 21. INSTALL WIDE LANE LINE PER WSDOT STD. PLAN M-20.10-02.
- 22. INSTALL WHITE EDGE LINE PER WSDOT STD. PLAN M-20.10-02.
- 25. INSTALL 3" WHITE PAINT TRAFFIC LETTERS.
- 26. INSTALL TWO ACCESSIBLE STALLS PER WSDOT STD. PLAN M-17.10-02.
- 29. INSTALL DIAGONAL CROSSHATCH MARKING PER WSDOT STD. PLAN M-24.60-04.



KEY PLAN



FILE NAME: WSF\Mukilteo\14W121\_FerryTermConst\CADD\JACOBS\14w121c11-15.dwg

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DESIGNED BY: P. CROWLEY

ENTERED BY: N. LAUGHLIN

CHECKED BY: M. PANICK

MAR PROJ ENGR: C. TORRES

DIR TERM ENGR: N. MCINTOSH

ASST SECRETARY: A. SCARTON

LAST PRINTED BY: ConradCS

12/14/2017

12/14/2017

12/14/2017

REVISION

DATE

BY

FED.AID PROJ.NO.

WA-2017-007-00

REGION NO. STATE

10 WASH

JOB NUMBER

18W121

CONTRACT NO.

00\*\*\*\*

SR 525

MUKILTEO FERRY TERMINAL (PHASE 2)

FERRY TERMINAL CONSTRUCTION

PAVEMENT MARKING PLAN

C11.15

SHEET

276

OF

1521

SHEETS

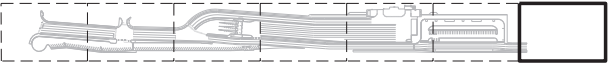
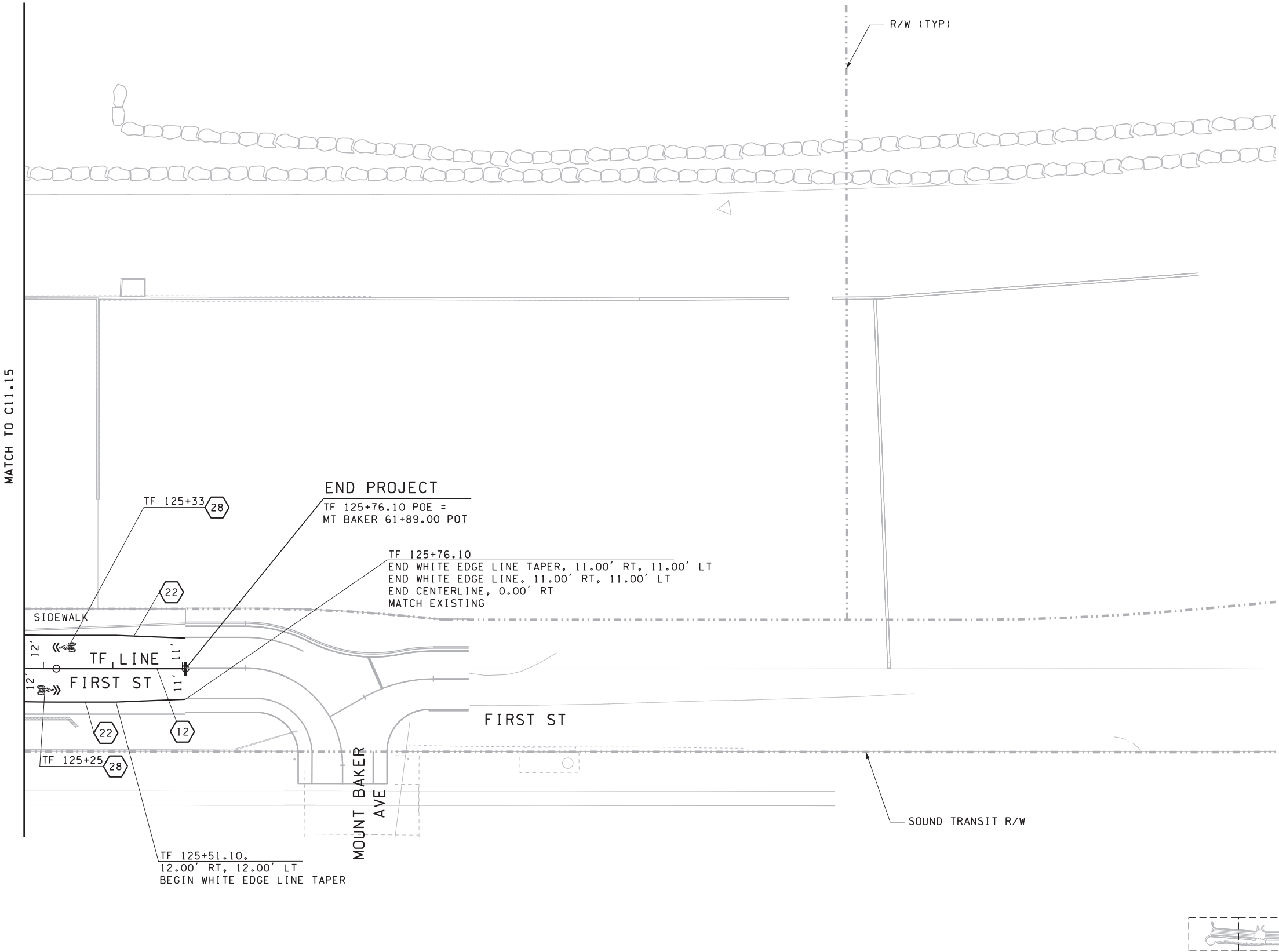


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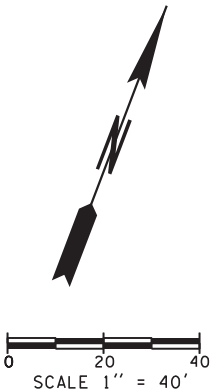
- 1. SEE ALIGNMENT PLAN SHEETS C06.10 TO C06.16 FOR ALIGNMENT DATA LOCATIONS.
- 2. SEE SITE PREPARATION PLAN SHEETS C04.10 TO C04.16 FOR PAVEMENT SAWCUT AND PLANING LIMITS.
- 3. UTILITIES NOT SHOWN FOR CLARITY.
- 4. ALL PAVEMENT MARKINGS SHALL BE PLASTIC PER WSDOT STD PLAN M-20.10-02, UNLESS OTHERWISE NOTED.

CONSTRUCTION NOTES:

- 12 INSTALL CENTERLINE PER WSDOT STD. PLAN M-20.10-02.
- 22 INSTALL WHITE EDGE LINE PER WSDOT STD. PLAN M-20.10-02.
- 28 INSTALL BICYCLE SHARED LANE MARKING PER MUTCD FIGURE 9C-9.



KEY PLAN



FILE NAME: WSF\Mukilteo\14W121_FerryTermConst\CADD\JACOBS\14w121c11-16.dwg					
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ENTERED BY: K. THOMAS	12/14/2017				10 WASH
CHECKED BY: M. PANICK	12/14/2017				JOB NUMBER
MAR PROJ ENGR: C. TORRES					18W121
DIR TERM ENGR: N. MCINTOSH					CONTRACT NO.
ASST SECRETARY: A. SCARTON					00****
	REVISION	DATE	BY		



**JACOBS**

**Washington State**  
**Department of Transportation**  
WASHINGTON STATE FERRIES

SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION

PAVEMENT MARKING PLAN

C11.16

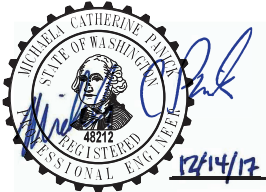
SHEET  
277  
OF  
1521  
SHEETS

SIGN SPECIFICATIONS

GENERAL NOTES (GN):

- A) POST LENGTHS AND "W" VALUES SHOWN ARE APPROXIMATE. FINAL VALUES SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR PRIOR TO FABRICATION AND INSTALLATION.
- B) FOR STRUCTURE AND MOUNTING DETAILS SEE STANDARD PLAN SERIES "G".
- C) FOR CODE REFERENCES AND WSDOT STANDARD DETAILS SEE WASHINGTON STATE SIGN FABRICATION MANUAL, M55-05 (AUGUST 2006).
- D) ALL 2.5" PERFORATED SQUARE STEEL TUBE (PSST) POSTS DESIGNATED SHALL BE 12 GAGE.
- E) 2.5" SQ (SB) OR 2.5" SQ (5) PSST POSTS SHALL HAVE A 12 GAGE 2 1/4" PSST INSERT OF THE SAME LENGTH.
- F) ALL WIDE FLANGE STEEL POSTS SHALL BE ASTM A 36.
- G) ALL ROUND STEEL POSTS ARE MEASURED TO OUTSIDE DIAMETER AND SHALL HAVE TYP AP SIGN SUPPORTS.
- H) ALL SIGNS 36" OR WIDER SHALL BE BRACED IN ACCORDANCE WITH STANDARD PLAN G-50.10.
- I) 5", 6", 7" AND 8" SQUARE STEEL TUBE SIGN POSTS SHALL HAVE TYPE TP-B BASES. ASTM A36 W6x12 FOUNDATION SPECIFICATIONS SHALL BE USED UNLESS OTHERWISE NOTED IN THE PLANS.
- J) CONTACT THE CITY OF MUKILTEO BEFORE ORDERING SIGNS TO BE SURE THE CORRECT VERBIAGE IS USED.
- K) 3" SOLID SQUARE STEEL TUBE POSTS SHALL BE 7 GAGE AND SHALL HAVE A 10" TRIANGULAR SLIP BASE UNLESS OTHERWISE NOTED. SEE STANDARD PLAN G-24.40, TYPE SB-1 AND SB-3 SLIP BASE ASSEMBLY.
- L) NOT USED.
- M) NOT USED.
- N) ALL OVERHEAD SIGN MOUNTING HARDWARE SHALL BE NEW UNLESS OTHERWISE SHOWN ON THE PLANS OR SIGN SPECIFICATION SHEETS.

PERFORATED SQUARE STEEL SIGN SUPPORTS			
POST SIZE (#)	CALL OUT IN THE POST SIZE COLUMN	SIGN SUPPORT TYPE	GENERAL NOTE
2 1/2"	2.5" SQ (1)	ST-1	D
2 1/2"	2.5" SQ (4)	ST-4	D
2 1/2"	2.5" SQ (SB)	SB-1, SB-2 OR SB-3	D, E
2 1/2"	2.5" SQ (5)	ST-4	D, E
3"	3" SQ (SB)	SEE NOTE K	K
3"	3" SQ (5)	ST-4	K
SEE WSDOT STANDARD PLANS G-24.40 AND G-24.50			

FILE NAME: WSF\Mukilteo\14W121_FerryTermConst\CADD\JACOBS\14w121c12-01.dwg						JACOBS		SR 525		C12.01
PRINTED: 12:53:13 PM 12/14/2017								MUKILTEO FERRY TERMINAL (PHASE 2)		
SUBMITTAL DATE: 12/22/17								FERRY TERMINAL CONSTRUCTION		
DESIGNED BY: K. THOMAS								Washington State		SIGNING NOTES
ENTERED BY: K. THOMAS								Department of Transportation		
CHECKED BY: M. PANICK								WASHINGTON STATE FERRIES		
MAR PROJ ENGR: C. TORRES										
DIR TERM ENGR: N. MCINTOSH										
ASST SECRETARY: A. SCARTON										

SIGN REMOVAL SPECIFICATIONS

SIGN NO.	SIGN CODE	SIGN DESCRIPTION	STA. LOC. (or MP)	REMARKS
R-1	SPECIAL	FERRY CARPOOL	SR 525 1+34, 17' LT	TO BE REMOVED
R-2	SPECIAL	(TRANSIT SYMBOL)	SR 525 2+01, 16' LT	TO BE REMOVED
R-3	I5-7	(RAIL STATION SYMBOL)	SR 525 2+01, 16' LT	TO BE REMOVED
R-4	M6-1 (MOD)	(RIGHT ARROW)	SR 525 2+01, 16' LT	TO BE REMOVED
R-5	SPECIAL	MUKILTEO FERRY TERMINAL TO WHIDBEY ISLAND	SR 525 3+65, 23' LT	TO BE REMOVED
R-6	R1-1	STOP	SR 525 3+72, 19' LT	TO BE REMOVED
R-7	SPECIAL	WAIT FOR NEXT AVAILABLE BOOTH	SR 525 3+72, 19' LT	TO BE REMOVED
R-8	SPECIAL	WSF EMPLOYEE PARKING	TF LINE 100+06, 112' RT	TO BE REMOVED
R-9		ALL SIGNS ON TOLL BOOTH		TO BE REMOVED
R-10	R5-1	DO NOT ENTER	TF LINE 100+19, 5' LT	TO BE REMOVED
R-11	SPECIAL	AUTHORIZED PERSONNEL ONLY	TF LINE 100+19, 5' LT	TO BE REMOVED
R-12		ALL SIGNS ON TOLL BOOTH		TO BE REMOVED
R-13	SPECIAL	WSF EMPLOYEE PARKING	TF LINE 100+30, 127' RT	TO BE REMOVED
R-14		ALL SIGNS ON TOLL BOOTH		TO BE REMOVED
R-15	SPECIAL	WSF EMPLOYEE PARKING	TF LINE 100+47, 125' RT	TO BE REMOVED
R-16	SPECIAL	WSF EMPLOYEE PARKING	TF LINE 100+74, 123' RT	TO BE REMOVED
R-17	R7-801	RESERVED PARKING (DISABLED LOGO)	TF LINE 101+00, 120.00' RT	TO BE REMOVED
R-18	R7-801A	VAN ACCESSIBLE	TF LINE 101+00, 120.00' RT	TO BE REMOVED
R-19	SPECIAL	EMPLOYEE ACCESS AREA	TF LINE 101+14, 61' RT	TO BE REMOVED
R-20	SPECIAL	EMPLOYEE ACCESS AREA	TF LINE 101+19, 111' RT	TO BE REMOVED
R-21	SPECIAL	EMPLOYEE ACCESS AREA	TF LINE 101+40, 34' RT	TO BE REMOVED
R-22	R7-101	NO PARKING ANYTIME	TF LINE 101+49, 55' RT	TO BE REMOVED
R-23	R7-101	NO PARKING ANYTIME	TF LINE 101+48, 69' RT	TO BE REMOVED
R-24	SPECIAL	DO NOT FEED BIRDS	TF LINE 101+52, 135' LT	TO BE REMOVED
R-25	SPECIAL	NO-IDLE ZONE WAITING? PLEASE TURN OFF ENGINE	TF LINE 101+55, 140' LT	TO BE REMOVED
R-26	SPECIAL	(ASSAULTS ON WASHINGTON STATE EMPLOYEES SIGN)	TF LINE 101+55, 140' LT	TO BE REMOVED
R-27	SPECIAL	SUPERVISOR PARKING ONLY SIGN	TF LINE 101+66, 27' RT	TO BE REMOVED
R-28	SPECIAL	MARY'S TOWING	TF LINE 101+81, 28' RT	TO BE REMOVED
R-29	R7-2A (MOD)	NO PARKING SYMBOL 2:30 AM TO 4:30 AM(ARROW L&R)	TF LINE 101+84, 32' RT	TO BE RELOCATED
R-30	SPECIAL	PARKING SYMBOL PAY PARKING 8AM-8PM (ARROW L&R)	TF LINE 101+84, 32' RT	TO BE RELOCATED
R-31	NOT USED			
R-32	SPECIAL	SUPERVISOR PARKING ONLY SIGN	TF LINE 101+94, 29' RT	TO BE REMOVED
R-33	R8-1 (MOD)	NO PARKING THIS SIDE SIGN	TF LINE 101+97, 91' RT	TO BE REMOVED
R-34	SPECIAL	MARY'S TOWING	TF LINE 102+09, 30' RT	TO BE REMOVED
R-35	R8-1 (MOD)	NO PARKING THIS SIDE	TF LINE 102+19, 92' RT	TO BE REMOVED
R-36	SPECIAL	WSP PARKING ONLY	TF LINE 102+20, 30' RT	TO BE REMOVED
R-37	R7-2A (MOD)	NO PARKING SYMBOL 2:30 AM TO 4:30 AM(ARROW L&R)	TF LINE 102+22, 33' RT	TO BE RELOCATED
R-38	SPECIAL	PARKING SYMBOL PAY PARKING 8AM-8PM (ARROW L&R)	TF LINE 102+22, 33' RT	TO BE RELOCATED
R-39	NOT USED			
R-40	SPECIAL	WSP PARKING ONLY	TF LINE 102+43, 31' RT	TO BE REMOVED
R-41	R7-2A (MOD)	NO PARKING SYMBOL 2:30 AM TO 4:30 AM(ARROW L&R)	TF LINE 102+48, 35' RT	TO BE RELOCATED
R-42	SPECIAL	PARKING SYMBOL PAY PARKING 8AM-8PM (ARROW L&R)	STF LINE 102+48, 35' RT	TO BE RELOCATED
R-43	NOT USED			
R-44	R8-1 (MOD)	NO PARKING THIS SIDE	TF LINE 102+50, 93' RT	TO BE REMOVED
R-45	SPECIAL	WSP PARKING ONLY	TF LINE 102+69, 32' RT	TO BE REMOVED
R-46	R7-2A (MOD)	NO PARKING SYMBOL 2:30 AM TO 4:30 AM(ARROW L&R)	TF LINE 102+78, 36' RT	TO BE RELOCATED
R-47	SPECIAL	PARKING SYMBOL PAY PARKING 8AM-8PM (ARROW L&R)	TF LINE 102+78, 36' RT	TO BE RELOCATED
R-48	NOT USED			
R-49	R7-101	NO PARKING ANYTIME	TF LINE 102+86, 1' RT	TO BE REMOVED
R-50	R8-1 (MOD)	NO PARKING THIS SIDE	TF LINE 102+96, 96' RT	TO BE REMOVED
R-51	SPECIAL	PET WASTE STATION	TF LINE 102+97, 66' LT	TO BE REMOVED

SIGN NO.	SIGN CODE	SIGN DESCRIPTION	STA. LOC. (or MP)	REMARKS
R-52	SPECIAL	BOINGO WI-FI AVAILABLE	TF LINE 102+98, 118' LT	TO BE REMOVED
R-53	R8-1 (MOD)	NO PARKING THIS SIDE	TF LINE 103+24, 97' RT	TO BE REMOVED
R-54	R7-2A (MOD)	NO PARKING SYMBOL 2:30 AM TO 4:30 AM(ARROW L&R)	TF LINE 103+48, 39' RT	TO BE RELOCATED
R-55	SPECIAL	PARKING SYMBOL PAY PARKING 8AM-8PM (ARROW L&R)	TF LINE 103+48, 39' RT	TO BE RELOCATED
R-56	NOT USED			
R-57	R8-1 (MOD)	NO PARKING THIS SIDE	TF LINE 103+56, 99' RT	TO BE REMOVED
R-58	R7-101	NO PARKING ANYTIME	TF LINE 103+84, 98' RT	TO BE REMOVED
R-59	R7-101	NO PARKING ANYTIME	TF LINE 104+10, 96' RT	TO BE REMOVED
R-60	R7-2A (MOD)	NO PARKING SYMBOL 2:30 AM TO 4:30 AM (ARROW L)	TF LINE 104+36, 48' RT	TO BE RELOCATED
R-61	SPECIAL	PARKING SYMBOL PAY PARKING 8AM-8PM (ARROW L)	TF LINE 104+36, 48' RT	TO BE RELOCATED
R-62	NOT USED			
R-63	SPECIAL	PRIVATE PARKING RESERVED 24/7	TF LINE 104+38, 19' RT	TO BE REMOVED
R-64	SPECIAL	PRIVATE PARKING RESERVED 24/7	TF LINE 104+40, 7' LT	TO BE REMOVED
R-65	R7-101	NO PARKING ANYTIME	TF LINE 104+44, 94' RT	TO BE REMOVED
R-66	R7-2A (MOD)	NO PARKING SYMBOL 2:30 AM TO 4:30 AM (ARROW R)	TF LINE 104+47, 9' LT	TO BE RELOCATED
R-67	SPECIAL	PARKING SYMBOL PAY PARKING 8AM-8PM (ARROW R)	TF LINE 104+47, 9' LT	TO BE RELOCATED
R-68	NOT USED			
R-69	W11-2	ADVANCE PEDESTRIAN CROSSING	TF LINE 104+47, 44' RT	TO BE REMOVED

NOTES:  
1. REMOVE CONCRETE FOUNDATIONS WHERE APPLICABLE.

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PRINTED: 12:53:17 PM 12/14/2017

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DATE

BY

FED.AID PROJ.NO.

WA-2017-007-00

REGION NO. STATE

10 WASH

JOB NUMBER

18W121

CONTRACT NO.

00\*\*\*\*\*

JACOBS

Washington State  
Department of Transportation  
WASHINGTON STATE FERRIES

SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION

SIGN REMOVAL SPECIFICATIONS

C12.02

SHEET  
279  
OF  
1521  
SHEETS



SIGN REMOVAL SPECIFICATIONS

SIGN NO.	SIGN CODE	SIGN DESCRIPTION	STA. LOC. (or MP)	REMARKS
R-70	W11-2	ADVANCE PEDESTRIAN CROSSING	TF LINE 104+73, 74' RT	TO BE REMOVED
R-71	SPECIAL	MUKILTEO STATION	TF LINE 104+80, 79' RT	TO BE RELOCATED
R-72	R3-1	NO RIGHT TURN	TF LINE 104+81, 45' RT	TO BE REMOVED
R-73	R1-1	STOP	TF LINE 104+92, 14' RT	TO BE REMOVED
R-74	SPECIAL	(THE HISTORIC HEART OF MUKILTEO SIGN)	TF LINE 105+00, 15' RT	SALVAGED TO CITY
R-75	SPECIAL	(NO TRESPASSING U.S. GOVERNMENT PROPERTY)	TF LINE 105+03, 22' LT	TO BE REMOVED
R-76	R7-2A (MOD)	NO PARKING SYMBOL 2:30 AM TO 4:30 AM(ARROW L&R)	TF LINE 105+06, 51' LT	TO BE RELOCATED
R-77	SPECIAL	PARKING SYMBOL PAY PARKING 8AM-8PM (ARROW L&R)	TF LINE 105+06, 51' LT	TO BE RELOCATED
R-78	R1-1	STOP	TF LINE 105+00, 190' LT	TO BE RELOCATED
R-79	R7-2 (MOD)	NO PARKING SYMBOL 2:30 AM TO 4:30 AM(ARROW L&R)	TF LINE 105+10, 90' LT	TO BE RELOCATED
R-80	SPECIAL	PARKING SYMBOL PAY PARKING 8AM-8PM (ARROW L&R)	TF LINE 105+10, 90' LT	TO BE RELOCATED
R-81	NOT USED			
R-82	SPECIAL	(US GOVERNMENT IN MUKILTEO SIGN)	TF LINE 105+13, 75' RT	SALVAGED TO CITY
R-83	W3-1A	STOP AHEAD	TF LINE 106+67, 30' RT	TO BE REMOVED
R-84	R8-3	NO PARKING	TF LINE 109+72, 13' RT	TO BE REMOVED
R-85	R1-1	STOP	TF LINE 110+95, 156' RT	TO BE REMOVED
R-86	R5-1	DO NOT ENTER	TF LINE 111+65, 25' LT	TO BE REMOVED
R-87	SPECIAL	PASSENGER DROP-OFF AND PICK-UP AREA	TF LINE 111+84, 27' RT	TO BE REMOVED
R-88	R5-1	DO NOT ENTER	TF LINE 111+98, 17' LT	TO BE REMOVED
R-89	R4-7A	KEEP RIGHT (HORIZONTAL ARROW)	TF LINE 112+00, 1' LT	TO BE REMOVED
R-90	R6-2R	ONE WAY (RIGHT)	TF LINE 112+00, 1' LT	TO BE REMOVED
R-91	R8-1 (MOD)	NO PARKING BEYOND THIS POINT SIGN	TF LINE 112+11, 63' LT	TO BE REMOVED
R-92	SPECIAL	PASSENGER DROP-OFF AND PICK-UP AREA SIGN	TF LINE 112+18, 62' LT	TO BE REMOVED
R-93	R8-3	NO PARKING SIGN	TF LINE 112+19, 9' RT	TO BE REMOVED
R-94	R7-102 (MOD)	NO PARKING ANYTIME SIGN	TF LINE 112+38, 15' LT	TO BE REMOVED
R-95	SPECIAL	PASSENGER DROP-OFF AND PICK-UP AREA SIGN	TF LINE 112+67, 16' LT	TO BE REMOVED
R-96	SPECIAL	WELCOME TO MUKILTEO PUBLIC ACCESS DOCK	N 349793.32, E 1279883.42	TO BE REMOVED
R-97	SPECIAL	DANGER NO SWIMMING OR DIVING FROM THE PIER	N 349818.35, E 1279957.85	TO BE REMOVED
R-98	R2-1	SPEED LIMIT 15	N 349756.65, E 1279879.70	TO BE REMOVED
R-99	R2-1	SPEED LIMIT 15	N 349740.85, E 1279861.98	TO BE REMOVED
R-100	SPECIAL	NO TRESPASSING	N 349732.50, E 1279899.75	TO BE REMOVED
R-101	SPECIAL	(STOP LIGHT)	N 349720.34, E 1279911.61	TO BE REMOVED
R-102	SPECIAL	(STOP LIGHT)	N 349705.94, E 1279894.28	TO BE REMOVED
R-103	SPECIAL	ONE TRUCK AT A TIME	N 349705.94, E 1279894.28	TO BE REMOVED
R-104	SPECIAL	USE PARKING LIGHTS ONLY	N 349706.13, E 1279898.55	TO BE REMOVED
R-105	SPECIAL	(RESTRICTED AREA SIGN)	N 349639.79, E 1279945.92	TO BE REMOVED
R-106	SPECIAL	(DO NOT WALK ON BRIDGE DURING LOADING)	N 349639.79, E 1279945.92	TO BE REMOVED
R-107	SPECIAL	EMPLOYEE ACCESS AREA	N 349616.71, E 1279930.77	TO BE REMOVED
R-108	SPECIAL	ONE TRUCK AT A TIME	N 349629.08, E 1279981.18	TO BE REMOVED
R-109	SPECIAL	LIGHTS OUT PLEASE	N 349629.08, E 1279981.18	TO BE REMOVED
R-110	SPECIAL	(ASSAULTS ON WASHINGTON STATE EMPLOYEES SIGN)	N 349611.17, E 1279946.26	TO BE REMOVED
R-111	SPECIAL	MEMORIAL PLAQUE	N 349595.28, E 1279950.18	TO BE REMOVED
R-112	SPECIAL	RESTROOMS ARE FOR FERRY PATRONS ONLY	N 349592.33, E 1279946.29	TO BE REMOVED
R-113	SPECIAL	(MEN HANDICAP PLAQUE)	N 349592.33, E 1279946.29	TO BE REMOVED
R-114	SPECIAL	HANDICAP NEED ASSISTANCE?	N 349587.82, E 1279951.81	TO BE REMOVED
R-115	SPECIAL	( HANDICAP WOMEN PLAQUE)	N 349587.82, E 1279951.81	TO BE REMOVED
R-116	SPECIAL	BOINGO WI-FI ON BOARD	N 349587.16, E 1279960.33	TO BE REMOVED
R-117	SPECIAL	RESTROOMS ARE FOR FERRY PATRONS ONLY	N 349581.22, E 1279949.02	TO BE REMOVED
R-118	SPECIAL	(WOMEN HANDICAP PLAQUE)	N 349581.22, E 1279949.02	TO BE REMOVED
R-119	SPECIAL	(FOOT PASSENGER AND BICYCLES PAY TOLL HERE)	N 349576.53, E 1279952.49	TO BE REMOVED
R-120	SPECIAL	(RETAIN SALES RECEIPT SIGN)	N 349576.53, E 1279952.49	TO BE REMOVED

SIGN NO.	SIGN CODE	SIGN DESCRIPTION	STA. LOC. (or MP)	REMARKS
R-121	SPECIAL	(NEED BOARDING ASSISTANCE SIGN)	N 349576.53, E 1279952.49	TO BE REMOVED
R-122	SPECIAL	(RESTRICTED AREA SIGN)	N 349571.21, E 1279944.32	TO BE REMOVED
R-123	SPECIAL	(TRANSIT SYMBOL)	N 349579.12, E 1279995.37	TO BE REMOVED
R-124	I5-7	(RAIL STATION SYMBOL)	N 349579.12, E 1279995.37	TO BE REMOVED
R-125	M6-1 (MOD)	(LEFT ARROW)	N 349579.12, E 1279995.37	TO BE REMOVED
R-126	SPECIAL	(WASHINGTON STATE FERRIES PROHIBITED ITEMS)	SR 525 0+02, 40' RT	TO BE REMOVED
R-127	SPECIAL	FERRY UNLOADING WHEN FLASHING	SR 525 0+03, 26' RT	TO BE REMOVED
R-128	SPECIAL	FERRY UNLOADING WHEN FLASHING	SR 525 0+03, 6' LT	TO BE REMOVED
R-129	SPECIAL	THANK YOU FOR NOT SMOKING	SR 525 0+07, 31' RT	TO BE REMOVED
R-130	SPECIAL	WATCH YOUR STEP	SR 525 0+07, 31' RT	TO BE REMOVED
R-131	SPECIAL	SECURITY NOTICE	SR 525 0+07, 39' RT	TO BE REMOVED
R-132	SPECIAL	TRAFFIC FROM RIGHT MAY NOT STOP	SR 525 0+18, 26' LT	TO BE REMOVED
R-133	NOT USED			
R-134	SPECIAL	TRAFFIC FROM LEFT MAY NOT STOP	SR 525 0+81, 57' RT	TO BE REMOVED
R-135	SPECIAL	ONCOMING TRAFFIC MAY NOT STOP	SR 525 1+00, 15' LT	TO BE REMOVED
R-136	SPECIAL	(LATERAL CLEARANCE MARKER LEFT)	TF LINE 101+57, 210' LT	TO BE REMOVED
R-137	SPECIAL	(VEHICLES OVER 7'1" LOADING SIGN)	TF LINE 101+57, 210' LT	TO BE REMOVED
R-138	SPECIAL	STOP HERE DURING FERRY LOADING	TF LINE 104+39, 234' LT	TO BE REMOVED

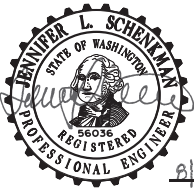
NOTES:

1. REMOVE CONCRETE FOUNDATIONS WHERE APPLICABLE.

JACOBS



Washington State  
Department of Transportation  
WASHINGTON STATE FERRIES



SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION  
SIGN REMOVAL SPECIFICATIONS

C12.03

SHEET  
280  
OF  
1521  
SHEETS

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PRINTED: 8:37:59 AM 8/22/2018	LAST PRINTED BY:				FED.AID PROJ.NO.
SUBMITTAL DATE: 08/23/18	Contractor				WA-2017-007-00
DESIGNED BY: K. THOMAS	8/22/2018				REGION NO. STATE
ENTERED BY: C. CONRAD	8/22/2018				10 WASH
CHECKED BY: J. SCHENKMAN	8/22/2018				JOB NUMBER
MAR PROJ ENGR: C. TORRES					18W121
DIR TERM ENGR: N. MCINTOSH					CONTRACT NO.
ASST SECRETARY: A. SCARTON		REVISION	DATE	BY	00*****

SIGN INSTALLATION SPECIFICATIONS

SIGN NO.	SIGN CODE	SIGN DESCRIPTION	STA. LOC. (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	SPECIAL	NO LEFT TURN TO FERRY LANE	SR 525 LINE 2+15 RT	24"	30"	III or IV	4C/ 3C	SIGNAL POLE	N/A							MOUNT ON TRAFFIC SIGNAL POLE.
2	R3-6 (MOD)	(STRAIGHT/ RIGHT ARROW)	SR 525 LINE 2+10 RT	36"	36"	III or IV	4B	MAST ARM	N/A							MOUNT ON TRAFFIC SIGNAL POLE MAST-ARM.
		REGISTERED VANPOOL ONLY														
3	R3-5R (MOD)	FERRY LANE	SR 525 LINE 2+10 LT	30"	36"	III or IV	4D	MAST ARM	N/A							MOUNT ON TRAFFIC SIGNAL POLE MAST-ARM.
		(RIGHT ARROW) ONLY														
4	D3-401	SR 525 SYMBOL (RIGHT ARROW)	SR 525 LINE 2+10 LT	42"	18"	III or IV		MAST ARM	N/A							MOUNT ON TRAFFIC SIGNAL POLE MAST-ARM. SEE GENERAL NOTE J.
5	R10-11A	NO TURN ON RED	SR 525 LINE 2+10 LT	24"	30"	III or IV		MAST ARM	N/A							MOUNT ON TRAFFIC SIGNAL POLE MAST-ARM.
6	D3-401	(LEFT ARROW) SR 525 SYMBOL	SR 525 LINE 2+33 RT	42"	18"	III or IV		MAST ARM	N/A							MOUNT ON TRAFFIC SIGNAL POLE MAST-ARM. SEE GENERAL NOTE J.
7	R3-802	(LEFT ARROW) ONLY	SR 525 LINE 2+33 RT	36"	30"	III or IV		MAST ARM	N/A							MOUNT ON TRAFFIC SIGNAL POLE MAST-ARM.
		(LEFT RIGHT ARROWS)														
8	D3-401	(LEFT ARROW) SR 525 SYMBOL	SR 525 LINE 3+27 RT	42"	18"	III or IV		MAST ARM	N/A							MOUNT ON TRAFFIC SIGNAL POLE MAST-ARM. SEE GENERAL NOTE J.
9	R3-2	(NO LEFT TURN SYMBOL)	SR 525 LINE 3+27 RT	24"	24"	III or IV		MAST ARM	N/A							MOUNT ON TRAFFIC SIGNAL POLE MAST-ARM.
10	R10-11	NO TURN ON RED BALL	SR 525 LINE 3+18 LT	24"	30"	III or IV		LUM POLE	N/A					7.5'		MOUNT ON LUMINAIRE POLE.
11	SPECIAL	RED LIGHT EXT. DURING PEAK PERIODS	SR 525 LINE 3+18 LT	24"	30"	III or IV	3C							5'		MOUNT BELOW SIGN NO. 10
12	R9-3A	NO PEDESTRIAN CROSSING SYMBOL	SR 525 LINE 3+35 RT	18"	18"	III or IV		WSDOT TYPE ST-4	2.5"	10'				7'	10'	
13	R9-3A	NO PEDESTRIAN CROSSING SYMBOL	SR 525 LINE 3+35 LT	18"	18"	III or IV		WSDOT TYPE ST-4	2.5"	10'				7'	10.5'	
14	SPECIAL	TRANSIT CENTER SYMBOL	SR 525 LINE 3+67 LT	108"	84"	II	8 EM	ASTM A36	W6X16	18'	18'			7'	6'	
		RAIL STATION SYMBOL														
		MUKILTEO FERRY														
		(RIGHT ARROW)														
15	SPECIAL	FERRY TRAFFIC MUST	TF LINE 101+27 RT	48"	30"	III or IV	4C/ 5C	LUM POLE	N/A					7'		MOUNT ON LUMINAIRE POLE.
		USE RIGHT LANE														
16	R3-802	(LEFT ARROW) ONLY	TF LINE 101+50 LT	36"	30"	III or IV		WSDOT TYPE ST-4	2.5"	10'				7'	10.5'	
		(LEFT RIGHT ARROWS)														
17	D1-701	SR 525 SYMBOL	TF LINE 102+05 LT	24"	30"	II		LUM POLE	N/A					7'		SEE GENERAL NOTE J. MOUNT ON LUMINAIRE POLE.
		(LEFT ARROW)														
18	SPECIAL	NO-IDLE ZONE	TF LINE 102+27 RT	24"	36"	III or IV	3B/ 4C/ 2D	LUM POLE	N/A					7'		MOUNT ON LUMINAIRE POLE.
19	R7-2A (MOD)	NO PARKING SYMBOL 2:30 AM TO 4:30 AM	COM LINE 23+26 RT	-	-	-		LUM POLE	N/A					7'		MOUNT ON LUMINAIRE POLE. RELOCATE R-41.
		(LEFT AND RIGHT ARROWS)														
20	SPECIAL	PARKING SYMBOL PAY PARKING 8AM - 8PM	COM LINE 23+26 RT	-	-	-								5.5'		MOUNT BELOW SIGN NO. 19. RELOCATE R-42.
		(LEFT AND RIGHT ARROWS)														
21	R7-1	NO PARKING ANY TIME	COM LINE 23+47 LT	12"	18"	III or IV		WSDOT TYPE ST-4	2.5"	10'				7'	2.5'	
		(LEFT ARROW)														
22	R7-2A (MOD)	NO PARKING SYMBOL 2:30 AM TO 4:30 AM	COM LINE 23+99 LT	-	-	-		LUM POLE	N/A					7'		MOUNT ON LUMINAIRE POLE. RELOCATE R-37.
		(LEFT AND RIGHT ARROWS)														
23	SPECIAL	PARKING SYMBOL PAY PARKING 8AM - 8PM	COM LINE 23+99 LT	-	-	-								5.5'		MOUNT BELOW SIGN NO. 21. RELOCATE R-38.
		(LEFT AND RIGHT ARROWS)														
24	R7-2A (MOD)	NO PARKING SYMBOL 2:30 AM TO 4:30 AM	COM LINE 24+24 RT	-	-	-		LUM POLE	N/A					7'		MOUNT ON LUMINAIRE POLE. RELOCATE R-29.
		(LEFT AND RIGHT ARROWS)														
25	SPECIAL	PARKING SYMBOL PAY PARKING 8AM - 8PM	COM LINE 24+24 RT	-	-	-								5.5'		MOUNT BELOW SIGN NO. 24. RELOCATE R-30.
		(LEFT AND RIGHT ARROWS)														
26	R7-1	NO PARKING ANY TIME	COM LINE 24+25 LT	12"	18"	III or IV		WSDOT TYPE ST-4	2.5"	10'				7'	2.5'	
		(RIGHT ARROW)														
27	R7-1	NO PARKING ANY TIME	COM LINE 24+37 RT	12"	18"	III or IV		WSDOT TYPE ST-4	2.5"	10'				7'	2.5'	
		(LEFT ARROW)														
28	R7-101	NO PARKING ANYTIME	TF LINE 100+25 RT	12"	18"	III or IV		LUM POLE	N/A					7'		MOUNT ON LUMINAIRE POLE.
29	R2-1	SPEED LIMIT 25	TF LINE 102+82 RT	24"	30"	III or IV		WSDOT TYPE ST-4	2.5"	10'				7'	3'	
30	SPECIAL	SOUND TRANSIT SYMBOL	TF LINE 103+27 RT	24"	30"	II		LUM POLE	N/A					7'		MOUNT ON LUMINAIRE POLE.
		(RIGHT ARROW)														
31	R10-7	DO NOT BLOCK INTERSECTION	TF LINE 103+87 RT	24"	30"	III or IV		WSDOT TYPE ST-4	2.5"	12'				10'	3'	
32	SPECIAL	FERRY TRAFFIC YIELD TO RIGHT TURNS	TF LINE 103+87 RT	48"	60"	III or IV	3D							5'	3'	MOUNT BELOW SIGN NO. 31.

JACOBS



Washington State  
Department of Transportation  
WASHINGTON STATE FERRIES



FILE NAME: WSF\Mukilteo\14W121_FerryTermConst\CADD\JACOBS\ \$FILES\$									
PRINTED: \$\$TIME\$\$	\$\$DATE\$\$	LAST PRINTED BY:					FED.AID PROJ.NO.		
SUBMITTAL DATE: 08/23/18		#USERNAME#					WA-2017-007-00		
DESIGNED BY: S. ARANA		\$DATE\$					REGION NO. STATE		
ENTERED BY: C. CONRAD		\$DATE\$					10 WASH		
CHECKED BY: J. SCHENCKMAN		\$DATE\$					JOB NUMBER		
MAR PROJ ENGR: C. TORRES							18W121		
DIR TERM ENGR: N. MCINTOSH							CONTRACT NO.		
ASST SECRETARY: A. SCARTON							00*****		
		REVISION		DATE	BY				

SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION

SIGN INSTALLATION SPECIFICATIONS

C12.04

SHEET  
281  
OF  
1521  
SHEETS

SIGN INSTALLATION SPECIFICATIONS

SIGN NO.	SIGN CODE	SIGN DESCRIPTION	STA. LOC. (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	
33	R9-3A	NO PEDESTRIAN CROSSING SYMBOL	TF LINE 104+32 RT	18"	18"	III or IV		LUM POLE	N/A					7'		MOUNT ON LUMINAIRE POLE.
34	R9-3A	NO PEDESTRIAN CROSSING SYMBOL	TF LINE 104+34 LT	18"	18"	III or IV		WSDOT TYPE ST-4	2.5"	10'				7'	11'	
35	D3-301	PARK AVE	TF LINE 104+54 LT	48"	12"	III or IV	6D	WSDOT TYPE ST-4	2.5"	12'				10.5'	4'	
36	R1-1	STOP	TF LINE 104+54 LT	30"	30"	III or IV								8'	4'	MOUNT BELOW SIGN NO. 35.
37	R3-5R	RIGHT ONLY ARROW	TF LINE 104+54 LT	30"	36"	III or IV								5'	4'	MOUNT BELOW SIGN NO. 36.
38	R9-3A	NO PEDESTRIAN CROSSING SYMBOL	TF LINE 105+14 RT	18"	18"	III or IV		LUM POLE	N/A					7'		MOUNT ON LUMINAIRE POLE.
39	R9-3A	NO PEDESTRIAN CROSSING SYMBOL	TF LINE 105+14 LT	18"	18"	III or IV		WSDOT TYPE ST-4	2.5"	10'				7'	11'	
40	SPECIAL	FERRY TRAFFIC MUST	TF LINE 105+86 RT	48"	30"	III or IV	4C/ 5C	LUM POLE	N/A					7'		MOUNT ON LUMINAIRE POLE.
		USE RIGHT LANE														
41	SPECIAL	SOUND TRANSIT SYMBOL	TF LINE 106+05 LT	24"	30"	II		WSDOT TYPE ST-4	2.5"	10'				7'	10'	
		(LEFT ARROW)														
42	R2-1	SPEED LIMIT 25	TF LINE 106+39 LT	24"	30"	III or IV		LUM POLE	N/A					7'		MOUNT ON LUMINAIRE POLE.
43	SPECIAL	NO-IDLE ZONE	TF LINE 106+96 RT	24"	36"	III or IV	3B/ 4C/ 2D	LUM POLE	N/A					7'		MOUNT ON LUMINAIRE POLE.
44	R1-1	STOP	COM LINE 20+27 LT	30"	30"	III or IV		WSDOT TYPE ST-4	2.5"	10'				7.5'	3.25'	
45	SPECIAL	NO RIGHT TURN TO FERRY LANE	COM LINE 20+27 LT	24"	30"	III or IV	4C/ 3C							5'	3.25'	MOUNT BELOW SIGN NO. 44.
46	SPECIAL	MUKILTEO STATION	COM LINE 20+50 LT	-	-	-		EXISTING	N/A							RELOCATE EXISTING SIGN NO. R-71. COORDINATE WITH ST.
47	R1-1	STOP	COM LINE 21+07 LT	30"	30"	III or IV		WSDOT TYPE ST-4	2.5"	10'				7'	3.25'	
48	R7-2A (MOD)	NO PARKING SYMBOL 2:30 AM TO 4:30 AM	COM LINE 21+29 RT	-	-	-		LUM POLE	N/A					7'		MOUNT ON LUMINAIRE POLE. RELOCATE R-60.
		(LEFT ARROW)														
49	SPECIAL	PARKING SYMBOL PAY PARKING 8AM - 8PM	COM LINE 21+29 RT	-	-	-								5.5'		MOUNT BELOW SIGN NO. 48. RELOCATE R-61.
		(LEFT ARROW)														
50	R7-2A (MOD)	NO PARKING SYMBOL 2:30 AM TO 4:30 AM	COM LINE 22+27 RT	-	-	-		LUM POLE	N/A					7'		MOUNT ON LUMINAIRE POLE. RELOCATE R-46.
		(LEFT AND RIGHT ARROWS)														
51	SPECIAL	PARKING SYMBOL PAY PARKING 8AM - 8PM	COM LINE 22+27 RT	-	-	-								5.5'		MOUNT BELOW SIGN NO. 50. RELOCATE R-47.
		(LEFT AND RIGHT ARROWS)														
52	R9-3A	NO PEDESTRIAN CROSSING SYMBOL	TF LINE 107+59 LT	18"	18"	III or IV		WSDOT TYPE ST-4	2.5"	10'				7'	10'	
53	R10-7	DO NOT BLOCK INTERSECTION	TF LINE 107+65 RT	24"	30"	III or IV		WSDOT TYPE ST-4	2.5"	12'				9.5'	3.5'	
54	R3-8 (MOD)	DIRECTIONAL SIGN	TF LINE 107+65 RT	36"	36"	III or IV								7'	3.5'	MOUNT BELOW SIGN NO. 53.
55	R9-3A	NO PEDESTRIAN CROSSING SYMBOL	TF LINE 107+65 RT	18"	18"	III or IV								5.5'	3.5'	MOUNT BELOW SIGN NO. 54.
56	R3-1	NO RIGHT TURN SYMBOL	TF LINE 108+30 RT	24"	24"	III or IV		MAST ARM	N/A							MOUNT ON TRAFFIC SIGNAL POLE MAST-ARM.
57	R3-4	NO U-TURN SYMBOL	TF LINE 108+30 RT	24"	24"	III or IV		MAST ARM	N/A							MOUNT ON TRAFFIC SIGNAL POLE MAST-ARM.
58	R3-6 (MOD)	(LEFT/ STRAIGHT ARROW)	TF LINE 108+30 RT	36"	36"	III or IV	4B	MAST ARM	N/A							MOUNT ON TRAFFIC SIGNAL POLE MAST-ARM.
		REGISTERED VANPOOL ONLY														
59	R3-5L (MOD)	FERRY LANE	TF LINE 108+30 RT	30"	36"	III or IV	4D	MAST ARM	N/A							MOUNT ON TRAFFIC SIGNAL POLE MAST-ARM.
		(LEFT ARROW) ONLY														
60	SPECIAL	RED LIGHT EXT. DURING PEAK PERIODS	TF LINE 108+30 RT	24"	30"	III or IV	3C	SIGNAL POLE	N/A							MOUNT ON TRAFFIC SIGNAL POLE.
61	R9-3A	NO PEDESTRIAN CROSSING SYMBOL	TF LINE 108+80 RT	18"	18"	III or IV		WSDOT TYPE ST-4	2.5"	10'				7'	7'	
62	R9-3A	NO PEDESTRIAN CROSSING SYMBOL	TF LINE 108+74 LT	18"	18"	III or IV		SIGNAL POLE	N/A					7'		MOUNT ON TRAFFIC SIGNAL POLE.
63	R3-1	NO RIGHT TURN SYMBOL	TF LINE 109+44 LT	24"	24"	III or IV		WSDOT TYPE ST-4	2.5"	10'				7'	8'	
64	R3-2	NO LEFT TURN SYMBOL	E LINE 10+31 LT	24"	24"	III or IV		MAST ARM	N/A							MOUNT ON TRAFFIC SIGNAL POLE MAST-ARM.
65	R4-7	KEEP RIGHT SYMBOL	E LINE 10+51 RT	24"	30"	III or IV		WSDOT TYPE ST-4	2.5"	10'				7'	4.5'	
66	R5-1	DO NOT ENTER	E LINE 10+60 LT	30"	30"	III or IV		WSDOT TYPE ST-4	2.5"	10'				7'	8.25'	
67	R1-1	STOP	TF LINE 105+00 LT	30"	30"	III or IV		WSDOT TYPE ST-4	2.5"	10'				7'	3.25'	RELOCATE R-78
68	SPECIAL	PROHIBITED ITEMS	E LINE 13+26 RT	60"	48"	III or IV	3C/ 2C/ 1C	TOLL BOOTH	N/A							MOUNT ON TOLL BOOTH ROOF.
69	SPECIAL	FARES	E LINE 13+26 RT	48"	60"	III or IV	3D/ 1EM/ 2EM	TOLL BOOTH	N/A							MOUNT ON TOLL BOOTH ROOF.
70	SPECIAL	PROHIBITED ITEMS	E LINE 13+26 RT	60"	48"	III or IV	3C/ 2C/ 1C	TOLL BOOTH	N/A							MOUNT ON TOLL BOOTH ROOF.
71	SPECIAL	FARES	E LINE 13+26 RT	48"	60"	III or IV	3D/ 1EM/ 2EM	TOLL BOOTH	N/A							MOUNT ON TOLL BOOTH ROOF.
72	W4-1R	MERGING FROM RIGHT	TF LINE 109+30 RT	36"	36"	III or IV		LUM POLE	N/A					7'		MOUNT ON POLE. SIGN FOR SOUND TRANSIT PARKING TRAFFIC.
73	R7-401	NO STOPPING OR STANDING	TF LINE 111+78 RT	12"	18"	III or IV		WSDOT TYPE ST-4	2.5"	10'				7'	4.3'	
		(LEFT ARROW)														
74	W11-2	ADVANCE PEDESTRIAN CROSSING	TF LINE 112+00 RT	30"	30"	III or IV		WSDOT TYPE ST-4	2.5"	10'				7'	3.25'	
74A	W16-9P	AHEAD	TF LINE 112+00 RT	24"	10"	III or IV								6'	3.25'	MOUNT BELOW SIGN NO. 74.

JACOBS

FILE NAME: WS\Fukilteo\14W121_FerryTermConst\CADD\JACOBS\ \$FILES\$					
PRINTED: \$\$TIME\$\$	\$\$DATE\$\$	LAST PRINTED BY:			FED.AID PROJ.NO.
SUBMITTAL DATE: 08/23/18		#USERNAME#			WA-2017-007-00
DESIGNED BY: S. ARANA		\$DATE\$			REGION NO. STATE
ENTERED BY: C. CONRAD		\$DATE\$			10 WASH
CHECKED BY: J. SCHENKMAN		\$DATE\$			JOB NUMBER
MAR PROJ ENGR: C. TORRES					18W121
DIR TERM ENGR: N. MCINTOSH					CONTRACT NO.
ASST SECRETARY: A. SCARTON			REVISION	DATE	BY
					00*****



SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION  
SIGN INSTALLATION SPECIFICATIONS

C12.05  
SHEET  
282  
OF  
1521  
SHEETS



SIGN INSTALLATION SPECIFICATIONS

SIGN NO.	SIGN CODE	SIGN DESCRIPTION	STA. LOC. (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	
75	R1-5L	YIELD HERE TO PEDESTRIANS (LEFT)	TF LINE 112+78 RT	18"	18"	III or IV		WSDOT TYPE ST-4	2.5"	10'				7'	3'	
76	W11-2	ADVANCE PEDESTRIAN CROSSING	TF LINE 112+99 RT	30"	30"	III or IV		SIGNAL POLE	N/A	14'				8.75'	7.5'	INSTALL RRFB SOLAR PANEL. SEE DETAIL SHEET C12.56
77	W16-7PL	DIAGONAL DOWNWARD ARROW (LEFT)	TF LINE 112+99 RT	24"	12"	III or IV								7'	7.5'	MOUNT BELOW SIGN NO. 76.
78	W11-2	ADVANCE PEDESTRIAN CROSSING	TF LINE 113+08 LT	30"	30"	III or IV		SIGNAL POLE	N/A	14'				8.75'	8.5'	INSTALL RRFB SOLAR PANEL. SEE DETAIL SHEET C12.56
79	W16-7PL	DIAGONAL DOWNWARD ARROW (LEFT)	TF LINE 113+08 LT	24"	12"	III or IV								7'	8.5'	MOUNT BELOW SIGN NO. 77.
80	R1-5L	YIELD HERE TO PEDESTRIANS (LEFT)	TF LINE 113+42 LT	18"	18"	III or IV		LUM POLE	N/A					7'		MOUNT ON LUMINAIRE POLE.
81	W11-2	ADVANCE PEDESTRIAN CROSSING	TF LINE 114+32 LT	30"	30"	III or IV		LUM POLE	N/A					7'		MOUNT ON LUMINAIRE POLE.
81A	W16-9P	AHEAD	TF LINE 114+32 LT	24"	10"	III or IV								6'		MOUNT BELOW SIGN NO. 81.
82	R2-1	SPEED LIMIT 15	E LINE 15+00 RT	24"	30"	III or IV		WSDOT TYPE ST-4	2.5"	10'				7'	8'	
82A	R2-1	SPEED LIMIT 15	E LINE 15+09 RT	24"	30"	III or IV		COM POLE	N/A					7'		MOUNT ON POLE. ANGLE SIGN TOWARDS FERRY HOLDING LANES.
83	SPECIAL	NO-IDLE ZONE	E LINE 15+19 RT	24"	36"	III or IV	3B/ 4C/ 2D	WSDOT TYPE ST-4	2.5"	10'				7'	7.5'	
84	SPECIAL	NO-IDLE ZONE	E LINE 16+34 RT	24"	36"	III or IV	3B/ 4C/ 2D	LUM POLE	N/A					7'		MOUNT ON LUMINAIRE POLE.
85	R2-1	SPEED LIMIT 15	E LINE 17+50 RT	24"	30"	III or IV		WSDOT TYPE ST-4	2.5"	10'				7'	8'	
86	R2-1	SPEED LIMIT 15	E LINE 17+81 RT	24"	30"	III or IV		COM POLE	N/A					7'		MOUNT ON POLE. ANGLE SIGN TOWARDS FERRY HOLDING LANES.
87	R2-1	SPEED LIMIT 20	E LINE 17+96 RT	24"	30"	III or IV		WSDOT TYPE ST-4	2.5"	10'				7'	5'	
88	R2-1	SPEED LIMIT 20	E LINE 17+96 LT	24"	30"	III or IV		WSDOT TYPE ST-4	2.5"	10'				7'	8'	
89	SPECIAL	NO-IDLE ZONE	E LINE 18+12 RT	24"	36"	III or IV	3B/ 4C/ 2D	LUM POLE	N/A					7'		MOUNT ON LUMINAIRE POLE.
90	R2-1	SPEED LIMIT 25	TF LINE 118+80 LT	24"	30"	III or IV		LUM POLE	N/A					7'		MOUNT ON LUMINAIRE POLE.
91	W11-2	ADVANCE PEDESTRIAN CROSSING	TF LINE 119+25 RT	30"	30"	III or IV		WSDOT TYPE ST-4	2.5"	10'				7'	3.25'	
91A	W16-9P	AHEAD	TF LINE 119+25 RT	24"	10"	III or IV								6'	3.25'	MOUNT BELOW SIGN NO. 91.
91B	W11-2	ADVANCE PEDESTRIAN CROSSING	TF LINE 119+85 RT	30"	30"	III or IV		SIGNAL POLE	N/A	14'				8.75'	8.5'	INSTALL RRFB PANEL. SEE DETAIL SHEET C12.56.
91C	W16-7PL	DIAGONAL DOWNWARD ARROW (LEFT)	TF LINE 119+85 RT	24"	12"	III or IV								7'	8.5'	MOUNT BELOW SIGN NO. 91B.
92	R3-2	NO LEFT TURNS	TF LINE 120+07 RT	36"	36"	III or IV		LUM POLE	N/A					7'		MOUNT ON LUMINAIRE POLE.
93	W11-2	ADVANCE PEDESTRIAN CROSSING	TF LINE 119+95 LT	30"	30"	III or IV		SIGNAL POLE	N/A	14'				8.75'	8.5'	INSTALL RRFB PANEL. SEE DETAIL SHEET C12.56.
93A	W16-7PL	DIAGONAL DOWNWARD ARROW (LEFT)	TF LINE 119+95 LT	24"	12"	III or IV								7'	8.5'	MOUNT BELOW SIGN NO. 93.
94	I7-601	LIGHTS ?	E LINE 18+96 LT	30"	24"	II		WSDOT TYPE ST-4	2.5"	10'				7'	8'	
95	I7-601	LIGHTS ?	E LINE 18+96 RT	30"	24"	II		WSDOT TYPE ST-4	2.5"	10'				7'	5'	
96	SPECIAL	NO-IDLE ZONE	E LINE 19+87 RT	24"	36"	III or IV	3B/ 4C/ 2D	LUM POLE	N/A					7'		MOUNT ON LUMINAIRE POLE.
97	R4-7	KEEP RIGHT SYMBOL	E LINE 19+96 RT	24"	30"	III or IV		WSDOT TYPE ST-4	2.5"	10'				7'	5'	
98	E5-1	EXIT	E LINE 21+35 RT	48"	48"	III or IV		LUM POLE	N/A					7'		MOUNT ON LUMINAIRE POLE.
		(RIGHT ARROW)														
99	SPECIAL	LIGHTS OUT PLEASE	E LINE 21+84 LT	24"	24"	III or IV	4C	WSDOT TYPE ST-4	2.5"	10'				7'	4'	
100	SPECIAL	EMPLOYEE ACCESS ONLY	E LINE 21+98 LT	30"	24"	III or IV	4C/ 4D	WSDOT TYPE ST-4	2.5"	10'				8.5'	4'	
100A	SPECIAL	RESTRICTED AREA	E LINE 21+98 LT	48"	42"	III or IV	4D/ 3B/ 2B							5'	4'	MOUNT BELOW SIGN NO. 100.
101	SPECIAL	LIGHTS OUT PLEASE	E LINE 21+98 LT	24"	24"	III or IV	4C	VTs	N/A					7'		MOUNT ON VEHICLE TRANSFER SPAN.
102	SPECIAL	RESTRICTED AREA	E LINE 21+98 LT	48"	42"	III or IV	4D/ 3B	VTs	N/A							MOUNT ON VEHICLE TRANSFER SPAN.
103	W3-501 (MOD)	RETURN TO CAR WHEN FLASHING	E LINE 22+22 RT	36"	36"	III or IV		SIGNAL POLE	N/A	14'				7'	2.5'	INSTALL FLASHING BEACON.
104	SPECIAL	WAIT HERE WHILE INST. BY ATTEND.	E LINE 22+24 LT	36"	27"	III or IV	3C	WSDOT TYPE ST-4	2.5"	10'				7'	4'	
105	SPECIAL	LIGHTS OUT PLEASE	E LINE 22+26 LT	24"	24"	III or IV	4C	WSDOT TYPE ST-4	2.5"	10'				7'	7'	
106	SPECIAL	LIGHTS OUT PLEASE	E LINE 22+21 LT	24"	24"	III or IV	4C	VTs	N/A					7'		MOUNT ON VEHICLE TRANSFER SPAN.
107	SPECIAL	RESTRICTED AREA	E LINE 22+21 LT	48"	42"	III or IV	4D/ 3B	VTs	N/A							MOUNT ON VEHICLE TRANSFER SPAN.
108	R5-1	DO NOT ENTER	TC LINE 30+31 LT	30"	30"	III or IV		WSDOT TYPE ST-4	2.5"	10'				7'	3.25'	
108A	R1-1	STOP	TC LINE 30+31 LT	30"	30"	III or IV								7'	3.25	MOUNT BEHIND SIGN NO. 108.
109	R5-1	DO NOT ENTER	TC LINE 30+31 RT	30"	30"	III or IV		WSDOT TYPE ST-4	2.5"	10'				7'	3.25'	
110	R7-107A	NO PARKING BUS STOP SYMBOL	TC LINE 30+56 LT	12"	30"	III or IV		WSDOT TYPE ST-4	2.5"	10'				7'	2.5'	
111	R3-1	NO RIGHT TURN SYMBOL	TC-P LINE 40+15 LT	24"	24"	III or IV		WSDOT TYPE ST-4	2.5"	10'				7'	3'	
112	W11-2	ADVANCE PEDESTRIAN CROSSING	TC LINE 30+77 LT	30"	30"	III or IV		WSDOT TYPE ST-4	2.5"	10'				7'	3.25'	
112A	W11-2	ADVANCE PEDESTRIAN CROSSING	TC LINE 30+77 RT	30"	30"	III or IV		WSDOT TYPE ST-4	2.5"	10'				7'	3.25'	
113	W11-2	ADVANCE PEDESTRIAN CROSSING	TF LINE 120+78 LT	30"	30"	III or IV		LUM POLE	N/A					7'		MOUNT ON LUMINAIRE POLE.
114	W16-9P	AHEAD	TF LINE 120+78 LT	24"	10"	III or IV			N/A					6'		MOUNT BELOW SIGN NO. 113.
115	D4-2 (MOD)	KISS & RIDE	TF LINE 121+19 RT	36"	24"	II	3D	WSDOT TYPE ST-4	2.5"	10'				7'	15.5'	
		(LEFT ARROW)														

JACOBS

FILE NAME: WSF\Mukilteo\14W121\_FerryTermConst\CADD\JACOBS\ 14w121c12-06.dwg

PRINTED: 8:38:13 AM 8/22/2018

SUBMITTAL DATE: 08/23/18

DESIGNED BY: S. ARANA

ENTERED BY: C. CONRAD

CHECKED BY: J. SCHENKMAN

MAR PROJ ENGR: C. TORRES

DIR TERM ENGR: N. MCINTOSH

ASST SECRETARY: A. SCARTON

LAST PRINTED BY:

ConradCS

8/22/2018

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8/22/2018

REVISION

DATE

BY

FED.AID

PROJ.NO.

WA-2017-007-00

REGION NO. STATE

10 WASH

JOB NUMBER

18W121

CONTRACT NO.

00\*\*\*\*\*



Washington State  
Department of Transportation  
WASHINGTON STATE FERRIES

SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION

SIGN INSTALLATION SPECIFICATIONS

C12.06

SHEET

283

OF

1521

SHEETS

SIGN INSTALLATION SPECIFICATIONS

SIGN NO.	SIGN CODE	SIGN DESCRIPTION	STA. LOC. (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	
116	R7-10801	15 MINUTE PARKING	TF LINE 121+19 RT	12"	18"	III or IV								6'	15.5'	MOUNT BELOW SIGN NO. 115.
117	R7-401	NO STOPPING OR STANDING	TF LINE 121+49 RT	12"	18"	III or IV		WSDOT TYPE ST-4	2.5"	10'				7'	15'	
		(RIGHT AND LEFT ARROW)														
118	SPECIAL	EXCEPT TRANSIT	TF LINE 121+49 RT	12"	6"	III or IV	1E							6.5'	15'	MOUNT BELOW SIGN NO. 117.
119	SPECIAL	HANDICAP SYMBOL/ SHORT-TERM PARKING	TF LINE 121+78 LT	48"	30"	III or IV	3C	LUM POLE	N/A					7'		
		U-TURN ROUTE														
		(LEFT ARROW)														
120	R7-10801	15 MINUTE PARKING	TF LINE 121+81 RT	12"	18"	III or IV		WSDOT TYPE ST-4	2.5"	10'				7'	14.5'	
121	R7-102	NO PARKING ANYTIME	TF LINE 122+49 RT	12"	18"	III or IV		WSDOT TYPE ST-4	2.5"	10'				7'	14.5'	
122	R7-107A	NO PARKING BUS STOP SYMBOL	TF LINE 123+09 RT	12"	30"	III or IV		WSDOT TYPE ST-4	2.5"	10'				7'	14.5'	
123	R7-401	NO STOPPING OR STANDING	TF LINE 123+49 RT	12"	18"	III or IV		WSDOT TYPE ST-4	2.5"	10'				7'	14.5'	
		(RIGHT AND LEFT ARROW)														
124	SPECIAL	EXCEPT TRANSIT	TF LINE 123+49 RT	12"	6"	III or IV	1E							6.5'	14.5'	MOUNT BELOW SIGN NO. 123.
125	R7-107A	NO PARKING BUS STOP SYMBOL	TF LINE 123+73 RT	12"	30"	III or IV		WSDOT TYPE ST-4	2.5"	10'				7'	14'	
126	W11-2	ADVANCE PEDESTRIAN CROSSING	TF LINE 124+78 RT	30"	30"	III or IV		SIGNAL POLE		14'				8.75'	9'	INSTALL RRFB PANEL. SEE DETAIL SHEET C12.56
126A	W16-7PL	DIAGONAL DOWNWARD ARROW (LEFT)	TF LINE 124+78 RT	24"	12"	III or IV								7'	9'	
127	W11-2	ADVANCE PEDESTRIAN CROSSING	TF LINE 124+94 LT	30"	30"	III or IV		SIGNAL POLE		14'				8.75'	3.25'	INSTALL RRFB PANEL. SEE DETAIL SHEET C12.56
127A	W16-7PL	DIAGONAL DOWNWARD ARROW (LEFT)	TF LINE 124+94 LT	24"	12"	III or IV								7'	3.25'	
128	R7-101	NO PARKING ANYTIME	TC LINE 31+34 LT	12"	18"	III or IV		WSDOT TYPE ST-4	2.5"	10'				7'	2.5'	
129	R7-101	NO PARKING ANYTIME	TC LINE 32+29 LT	12"	18"	III or IV		WSDOT TYPE ST-4	2.5"	10'				7'	2.5'	
130	R7-101	NO PARKING ANYTIME	TC LINE 33+29 LT	12"	18"	III or IV		WSDOT TYPE ST-4	2.5"	10'				7'	2.5'	
131	R7-101	NO PARKING ANYTIME	TC LINE 34+29 LT	12"	18"	III or IV		WSDOT TYPE ST-4	2.5"	10'				7'	2.5'	
132	R5-1	DO NOT ENTER	TC LINE 35+70 RT	30"	30"	III or IV		WSDOT TYPE ST-4	2.5"	10'				7'	3.25'	
133	SPECIAL	EXCEPT TRANSIT/ WSF	TC LINE 35+70 RT	12"	6"	III or IV	1E							5'	3.25'	MOUNT BELOW SIGN NO. 132.
134	R5-1	DO NOT ENTER	TC LINE 35+71 LT	30"	30"	III or IV		WSDOT TYPE ST-4	2.5"	10'				7'	3.25'	
135	SPECIAL	EXCEPT TRANSIT/ WSF	TC LINE 35+71 LT	12"	6"	III or IV	1E							5'	3.25'	MOUNT BELOW SIGN NO. 134.
136	R7-10801	15 MINUTE PARKING	TC-P LINE 40+36 RT	12"	18"	III or IV		WSDOT TYPE ST-4	2.5"	10'				7'	2.5'	
137	R7-801	RESERVED PARKING (DISABLED LOGO)	TC-P LINE 40+49 LT	12"	18"	III or IV		WSDOT TYPE ST-4	2.5"	10'				7.5'	8'	
138	R7-801A	VAN ACCESSIBLE	TC-P LINE 40+49 LT	12"	6"	III or IV								7'	8'	MOUNT BELOW SIGN NO. 137.
139	R7-10801	30 MINUTE PARKING	TC-P LINE 40+49 LT	12"	18"	III or IV								5.5'	8'	
140	R7-10801	15 MINUTE PARKING	TC-P LINE 40+65 RT	12"	18"	III or IV		WSDOT TYPE ST-4	2.5"	10'				7'	2.5'	MOUNT BELOW SIGN NO. 138.
141	R7-801	RESERVED PARKING (DISABLED LOGO)	TC-P LINE 40+66 LT	12"	18"	III or IV		WSDOT TYPE ST-4	2.5"	10'				7'	8'	
142	R7-10801	15 MINUTE PARKING	TC-P LINE 40+66 LT	12"	18"	III or IV								5.5'	8'	MOUNT BELOW SIGN NO. 141.
143	R3-5L	(LEFT ARROW) ONLY	TC-P LINE 41+12 LT	30"	36"	III or IV		WSDOT TYPE ST-4	2.5"	10'				7'	2.5'	
144	R5-1	DO NOT ENTER	TC-P LINE 41+24 LT	30"	30"	III or IV		WSDOT TYPE ST-4	2.5"	10'				7'	3.25'	
145	R5-1	DO NOT ENTER	TC-P LINE 41+26 RT	30"	30"	III or IV		WSDOT TYPE ST-4	2.5"	10'				7'	3.25'	
146	R7-801	RESERVED PARKING (DISABLED LOGO)	TC-P LINE 41+28 LT	12"	18"	III or IV		WSDOT TYPE ST-4	2.5"	10'				7.5'	8'	
147	R7-801A	VAN ACCESSIBLE	TC-P LINE 41+28 LT	12"	6"	III or IV								7'	8'	MOUNT BELOW SIGN NO. 146.
148	I8-703 (MOD)	PKG. RES.\ WSF EMPLY.\ VIOL. TOWED	TC-P LINE 41+28 LT	18"	24"	III or IV	3C/ 1C							5'	8'	
149	R7-801	RESERVED PARKING (DISABLED LOGO)	TC-P LINE 41+44 LT	12"	18"	III or IV		WSDOT TYPE ST-4	2.5"	10'				7'	2.5'	MOUNT BELOW SIGN NO. 147.
150	I8-703 (MOD)	PKG. RES.\ WSF EMPLY.\ VIOL. TOWED	TC-P LINE 41+44 LT	18"	24"	III or IV	3C/ 1C							5'	2.5'	
151	I8-703 (MOD)	PKG. RES.\ WSF EMPLY.\ VIOL. TOWED	TC-P LINE 41+68 LT	18"	24"	III or IV	3C/ 1C	WSDOT TYPE ST-4	2.5"	10'				7'	2.5'	MOUNT BELOW SIGN NO. 149.
152	I8-703 (MOD)	PKG. RES.\ WSF EMPLY.\ VIOL. TOWED	TC-P LINE 41+68 RT	18"	24"	III or IV	3C/ 1C	WSDOT TYPE ST-4	2.5"	10'				7'	2.5'	
153	I8-703 (MOD)	PKG. RES.\ WSF EMPLY.\ VIOL. TOWED	TC-P LINE 42+26 LT	18"	24"	III or IV	3C/ 1C	WSDOT TYPE ST-4	2.5"	10'				7'	2.5'	
154	I8-703 (MOD)	PKG. RES.\ WSF EMPLY.\ VIOL. TOWED	TC-P LINE 42+27 RT	18"	24"	III or IV	3C/ 1C	LUM POLE	N/A					7'		MOUNT ON LUMINAIRE POLE.
155	I8-703 (MOD)	PKG. RES.\ WSF EMPLY.\ VIOL. TOWED	TC-P LINE 42+83 LT	18"	24"	III or IV	3C/ 1C	WSDOT TYPE ST-4	2.5"	10'				7'	2.5'	
156	I8-703 (MOD)	PKG. RES.\ WSF EMPLY.\ VIOL. TOWED	TC-P LINE 42+83 RT	18"	24"	III or IV	3C/ 1C	WSDOT TYPE ST-4	2.5"	10'				7'	2.5'	
157	I8-703 (MOD)	PKG. RES.\ WSF EMPLY.\ VIOL. TOWED	TC-P LINE 43+31 LT	18"	24"	III or IV	3C/ 1C	WSDOT TYPE ST-4	2.5"	10'				7'	2.5'	
158	I8-703 (MOD)	PKG. RES.\ WSF EMPLY.\ VIOL. TOWED	TC-P LINE 43+26 RT	18"	24"	III or IV	3C/ 1C	LUM POLE	N/A					7'		MOUNT ON LUMINAIRE POLE.
159	R7-301 (MOD)	NO PUBLIC PARKING	TC-P LINE 43+64 LT	12"	18"	III or IV		WSDOT TYPE ST-4	2.5"	10'				7'	2.5'	
160	R7-301 (MOD)	NO PUBLIC PARKING	TC-P LINE 43+64 RT	12"	18"	III or IV		WSDOT TYPE ST-4	2.5"	10'				7'	2.5'	

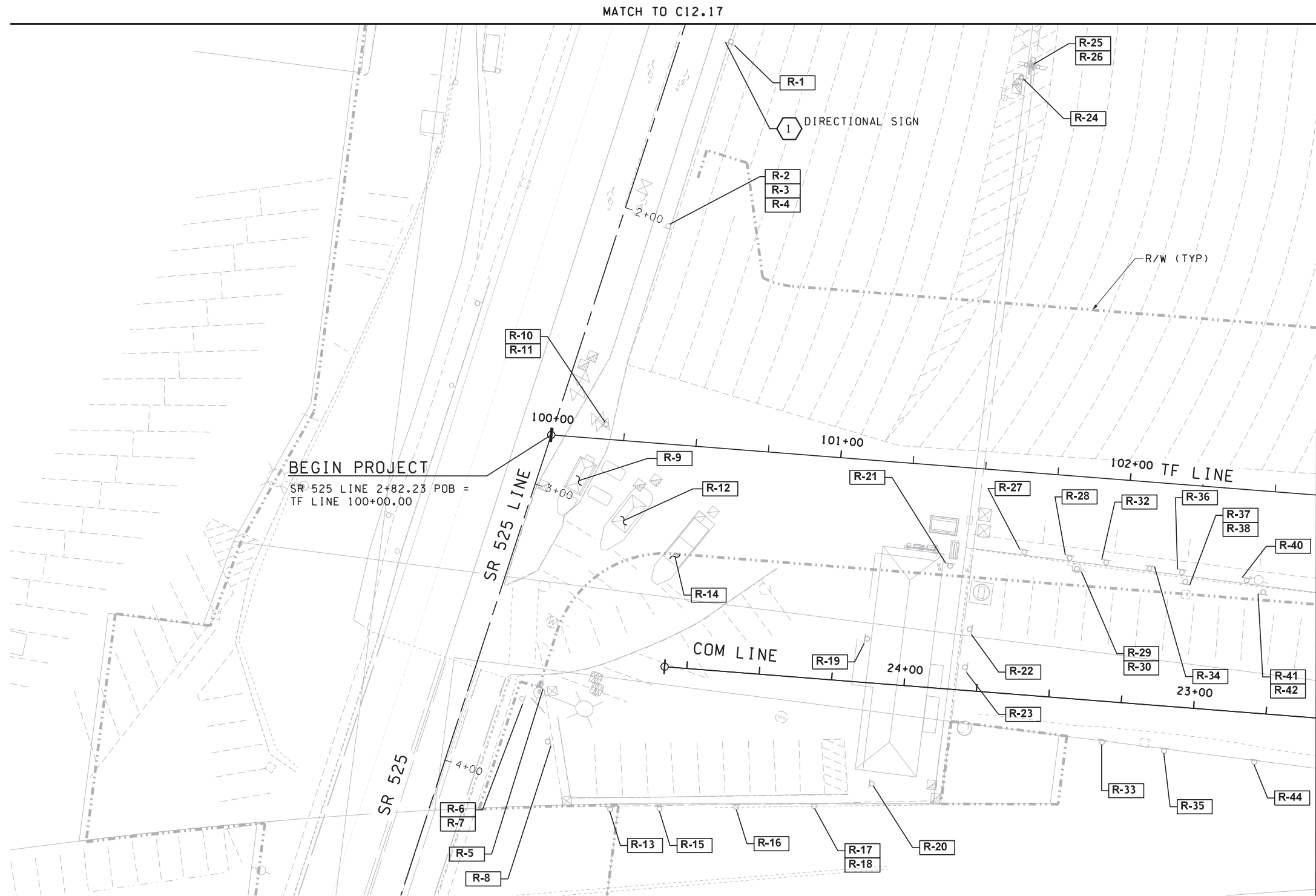
JACOBS

FILE NAME: WSF\Mukilteo\14W121_FerryTermConst\CADD\JACOBS\ 14w121c12-07.dwg					
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SUBMITTAL DATE: 08/23/18	ConradCS				WA-2017-007-00
DESIGNED BY: S. ARANA	8/22/2018				REGION NO. STATE
ENTERED BY: C. CONRAD	8/22/2018				10 WASH
CHECKED BY: J. SCHENKMAN	8/22/2018				JOB NUMBER
MAR PROJ ENGR: C. TORRES					18W121
DIR TERM ENGR: N. MCINTOSH					CONTRACT NO.
ASST SECRETARY: A. SCARTON		REVISION	DATE	BY	00*****



SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION  
SIGN INSTALLATION SPECIFICATIONS

C12.07  
SHEET  
284  
OF  
1521  
SHEETS



- NOTES:**
1. SEE ROADWAY ALIGNMENT PLANS FOR ALIGNMENT DATA AND RIGHT-OF-WAY LOCATIONS C06.10 TO C06.16.
  2. FOR SIGN SPECIFICATIONS SEE SIGN INSTALLATION AND REMOVAL SPECIFICATION SHEETS C12.01 TO C12.06.

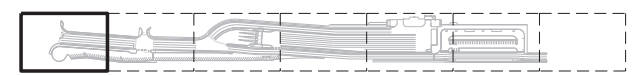
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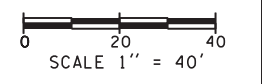
**LEGEND:**



R- EXISTING SIGN TO BE REMOVED

1 EXISTING SIGN

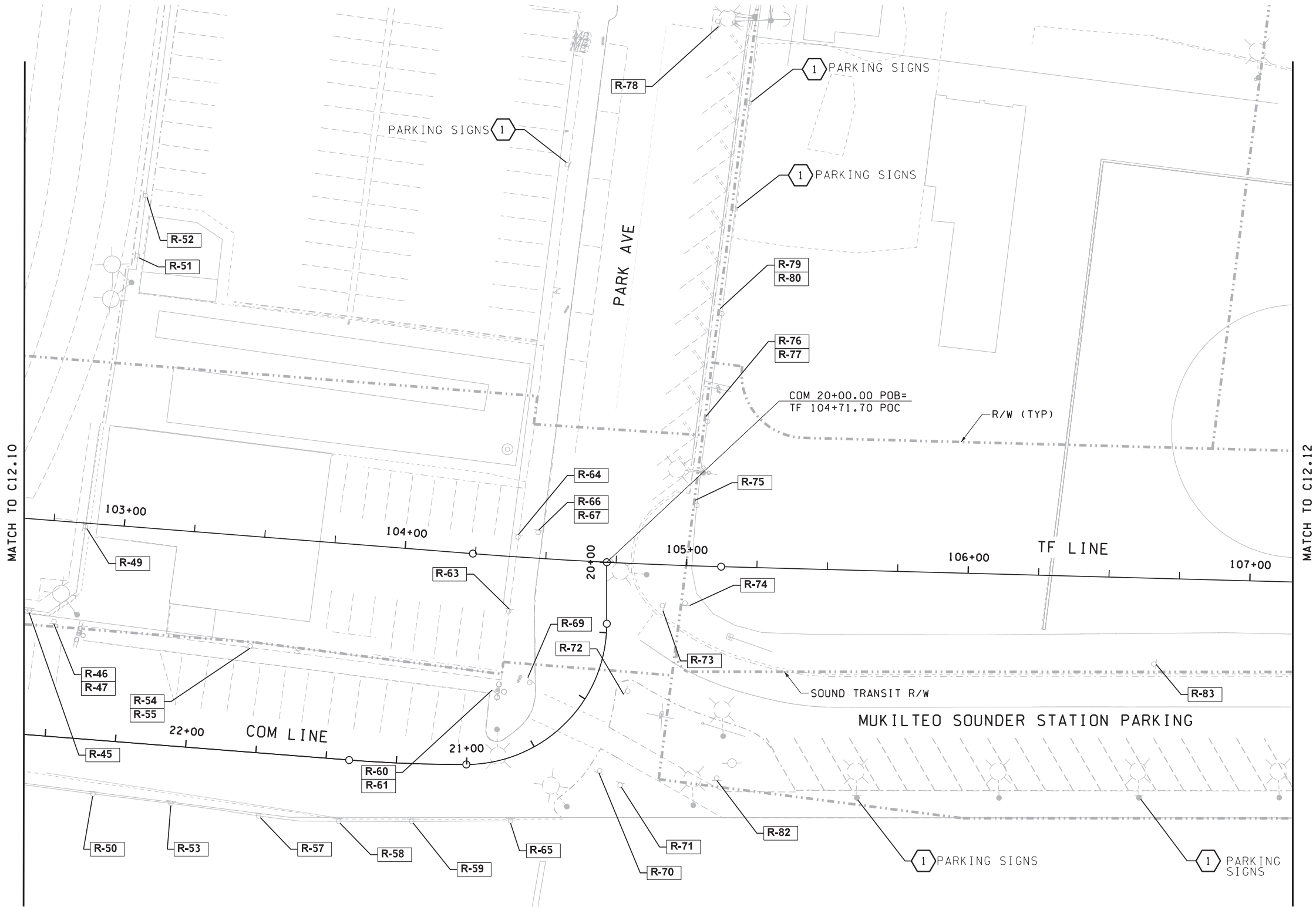


KEY PLAN



FILE NAME: WSF\Mukilteo\14W121_FerryTermConst\CADD\JACOBS\14w121c12-10.dlv							 <b>Washington State</b> <b>Department of Transportation</b> WASHINGTON STATE FERRIES		SR 525		C12.10
PRINTED: 12:53:40 PM 12/14/2017		LAST PRINTED BY:		MUKILTEO FERRY TERMINAL (PHASE 2)							
SUBMITTAL DATE: 12/22/17		ContractCS		FED.AID PROJ.NO.		WA-2017-007-00		FERRY TERMINAL CONSTRUCTION		SHEET	
DESIGNED BY: S. ARANA		12/14/2017		REGION NO. STATE		10 WASH		SIGN REMOVAL PLAN		285	
ENTERED BY: S. ARANA		12/14/2017		JOB NUMBER		18W121				OF	
CHECKED BY: P. CROWLEY		12/14/2017		CONTRACT NO.		00****				1521	
MAR PROJ ENGR: C. TORRES										SHEETS	
DIR TERM ENGR: N. MCINTOSH											
ASST SECRETARY: A. SCARTON				REVISION		DATE		BY			





- NOTES:**
1. SEE ROADWAY ALIGNMENT PLANS FOR ALIGNMENT DATA AND RIGHT-OF-WAY LOCATIONS C06.10 TO C06.16.
  2. FOR SIGN SPECIFICATIONS SEE SIGN INSTALLATION AND REMOVAL SPECIFICATION SHEETS C12.01 TO C12.06.

**CONSTRUCTION NOTES:**

① EXISTING SIGN TO REMAIN.

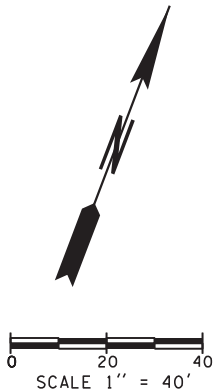
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R- [ ] EXISTING SIGN TO BE REMOVED

① EXISTING SIGN



KEY PLAN



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PRINTED: 8:38:27 AM 8/22/2018	LAST PRINTED BY: ConradCS			
SUBMITTAL DATE: 08/23/18	DESIGNED BY: K. THOMAS	8/22/2018		
ENTERED BY: K. THOMAS	CHECKED BY: J. SCHENKMAN	8/22/2018		
MAR PROJ ENGR: C. TORRES	DIR TERM ENGR: N. MCINTOSH			
ASST SECRETARY: A. SCARTON				
	REVISION	DATE	BY	

FED.AID PROJ.NO.
WA-2017-007-00
REGION NO. STATE
10 WASH
JOB NUMBER
18W121
CONTRACT NO.
00*****



SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION  
SIGN REMOVAL PLAN

C12.11  
SHEET  
286  
OF  
1521  
SHEETS

NOTES:

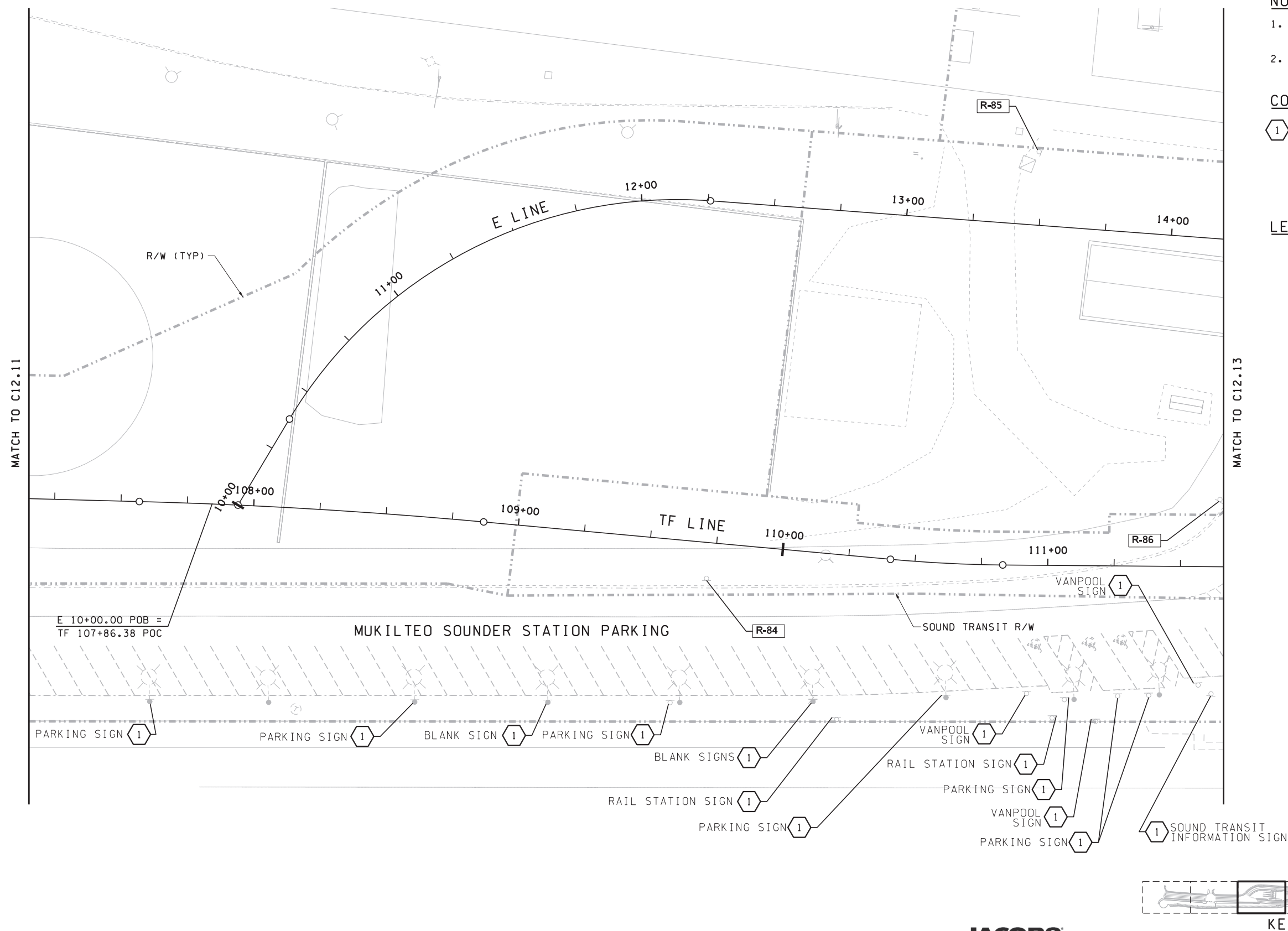
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- FOR SIGN SPECIFICATIONS SEE SIGN INSTALLATION AND REMOVAL SPECIFICATION SHEETS C12.01 TO C12.06.

CONSTRUCTION NOTES:

- 1 EXISTING SIGN TO REMAIN.

LEGEND:

- R- EXISTING SIGN TO BE REMOVED
- d EXISTING SIGN



JACOBS

KEY PLAN

0 20 40  
SCALE 1" = 40'

FILE NAME: WSF\Mukilteo\14W121\_FerryTermConst\CADD\JACOBS\ 14w121c12-12.dwg

PRINTED: 12:53:50 PM 12/14/2017

LAST PRINTED BY:

SUBMITTAL DATE: 12/22/17

ConradCS

DESIGNED BY: K. THOMAS

12/14/2017

ENTERED BY: K. THOMAS

12/14/2017

CHECKED BY: M. PANICK

12/14/2017

MAR PROJ ENGR: C. TORRES

DIR TERM ENGR: N. MCINTOSH

ASST SECRETARY: A. SCARTON

REVISION

DATE

BY

FED.AID  
PROJ.NO.

WA-2017-007-00

REGION NO. STATE

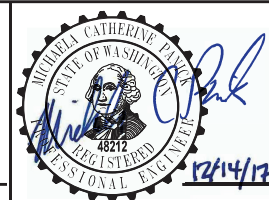
10 WASH

JOB NUMBER

18W121

CONTRACT NO.

00\*\*\*\*\*



SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION

SIGN REMOVAL PLAN

C12.12

SHEET

287

OF

1521

SHEETS

# NOTES:

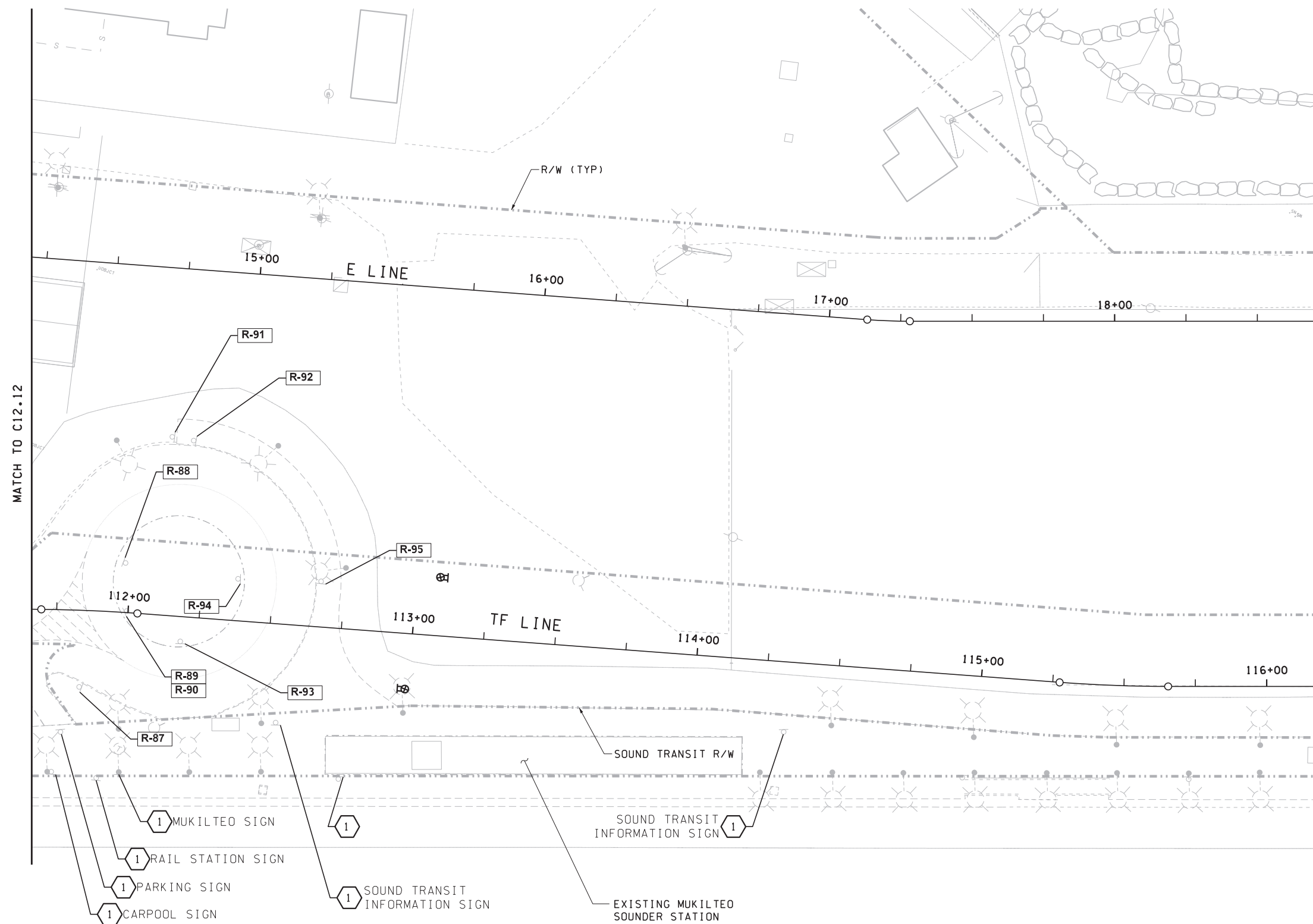
1. SEE ROADWAY ALIGNMENT PLANS FOR ALIGNMENT DATA AND RIGHT-OF-WAY LOCATIONS C06.10 TO C06.16.
2. FOR SIGN SPECIFICATIONS SEE SIGN INSTALLATION AND REMOVAL SPECIFICATION SHEETS C12.01 TO C12.06.

# CONSTRUCTION NOTES:

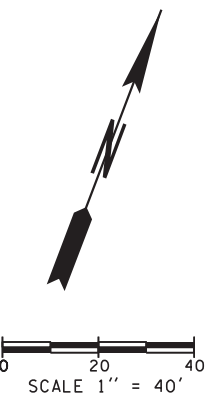
- 1 EXISTING SIGN TO REMAIN.

# LEGEND:

- R- EXISTING SIGN TO BE REMOVED  
d EXISTING SIGN



KEY PLAN



FILE NAME: WSF\Mukilteo\14W121\_FerryTermConst\CADD\JACOBS\14w121c12-13.dwg

PRINTED: 12:53:53 PM 12/14/2017

SUBMITTAL DATE: 12/22/17

DESIGNED BY: K. THOMAS

ENTERED BY: K. THOMAS

CHECKED BY: M. PANICK

MAR PROJ ENGR: C. TORRES

DIR TERM ENGR: N. MCINTOSH

ASST SECRETARY: A. SCARTON

LAST PRINTED BY:

ConradCS

12/14/2017

12/14/2017

12/14/2017

REVISION

DATE

BY

FED.AID  
PROJ.NO.

WA-2017-007-00

REGION NO. STATE

10 WASH

JOB NUMBER

18W121

CONTRACT NO.

00\*\*\*\*\*



SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION

SIGN REMOVAL PLAN

C12.13

SHEET  
288  
OF  
1521  
SHEETS



NOTES:

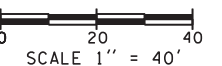
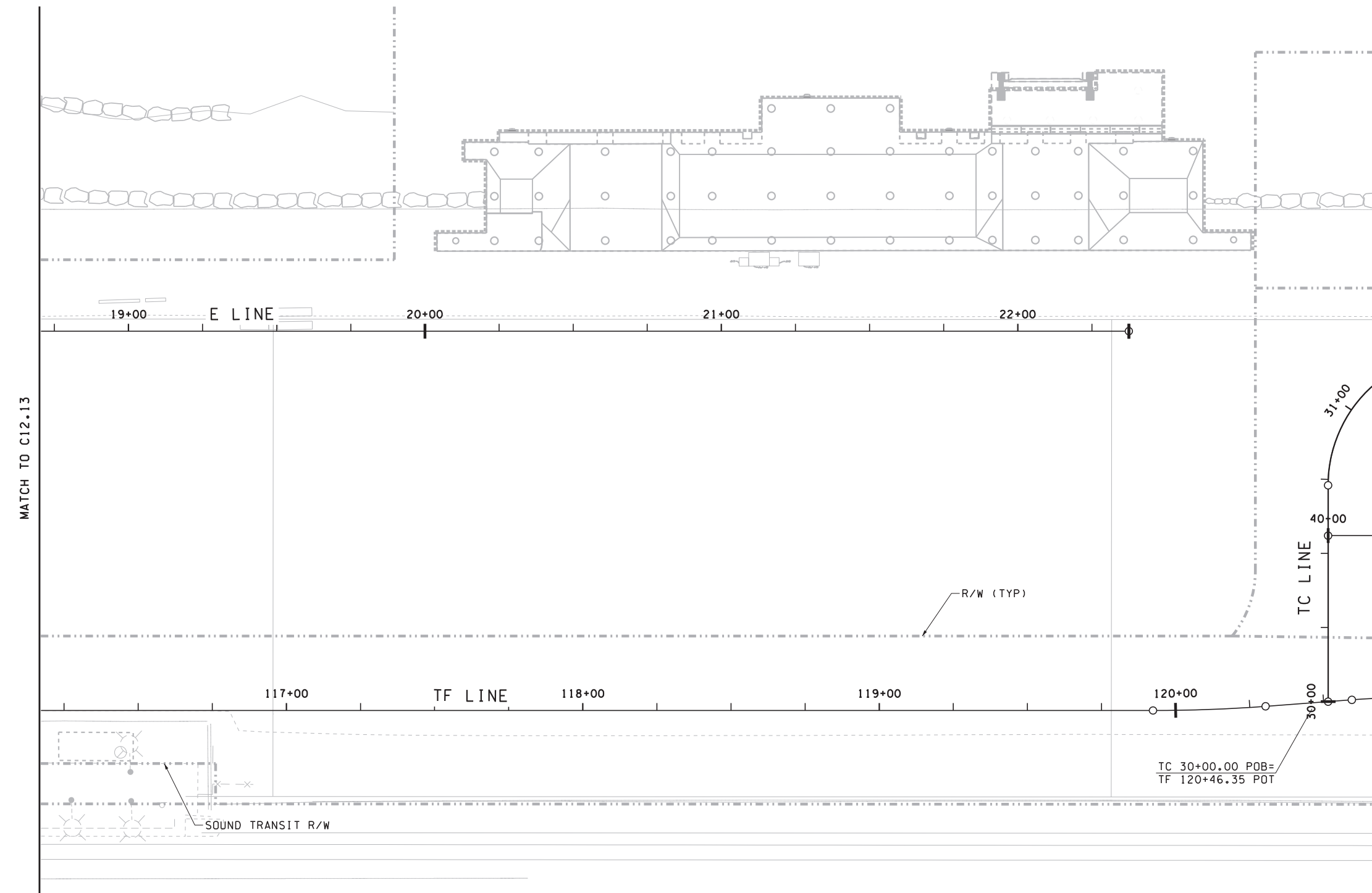
1. SEE ROADWAY ALIGNMENT PLANS FOR ALIGNMENT DATA AND RIGHT-OF-WAY LOCATIONS C06.10 TO C06.16.
2. FOR SIGN SPECIFICATIONS SEE SIGN INSTALLATION AND REMOVAL SPECIFICATION SHEETS C12.01 TO C12.06.

CONSTRUCTION NOTES:

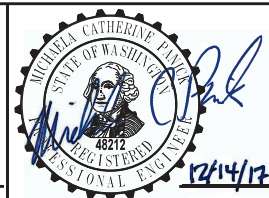
- 1 EXISTING SIGN TO REMAIN.

LEGEND:

- R- EXISTING SIGN TO BE REMOVED
- d EXISTING SIGN



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PRINTED: 12:53:57 PM 12/14/2017	LAST PRINTED BY: ConradCS				FED.AID PROJ.NO.
SUBMITTAL DATE: 12/22/17					WA-2017-007-00
DESIGNED BY: K. THOMAS	12/14/2017				REGION NO. STATE
ENTERED BY: K. THOMAS	12/14/2017				10 WASH
CHECKED BY: M. PANICK	12/14/2017				JOB NUMBER
MAR PROJ ENGR: C. TORRES					18W121
DIR TERM ENGR: N. MCINTOSH					CONTRACT NO.
ASST SECRETARY: A. SCARTON		REVISION	DATE	BY	00****



SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION

SIGN REMOVAL PLAN

C12.14

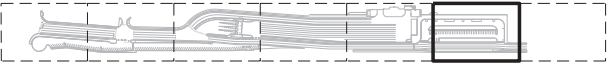
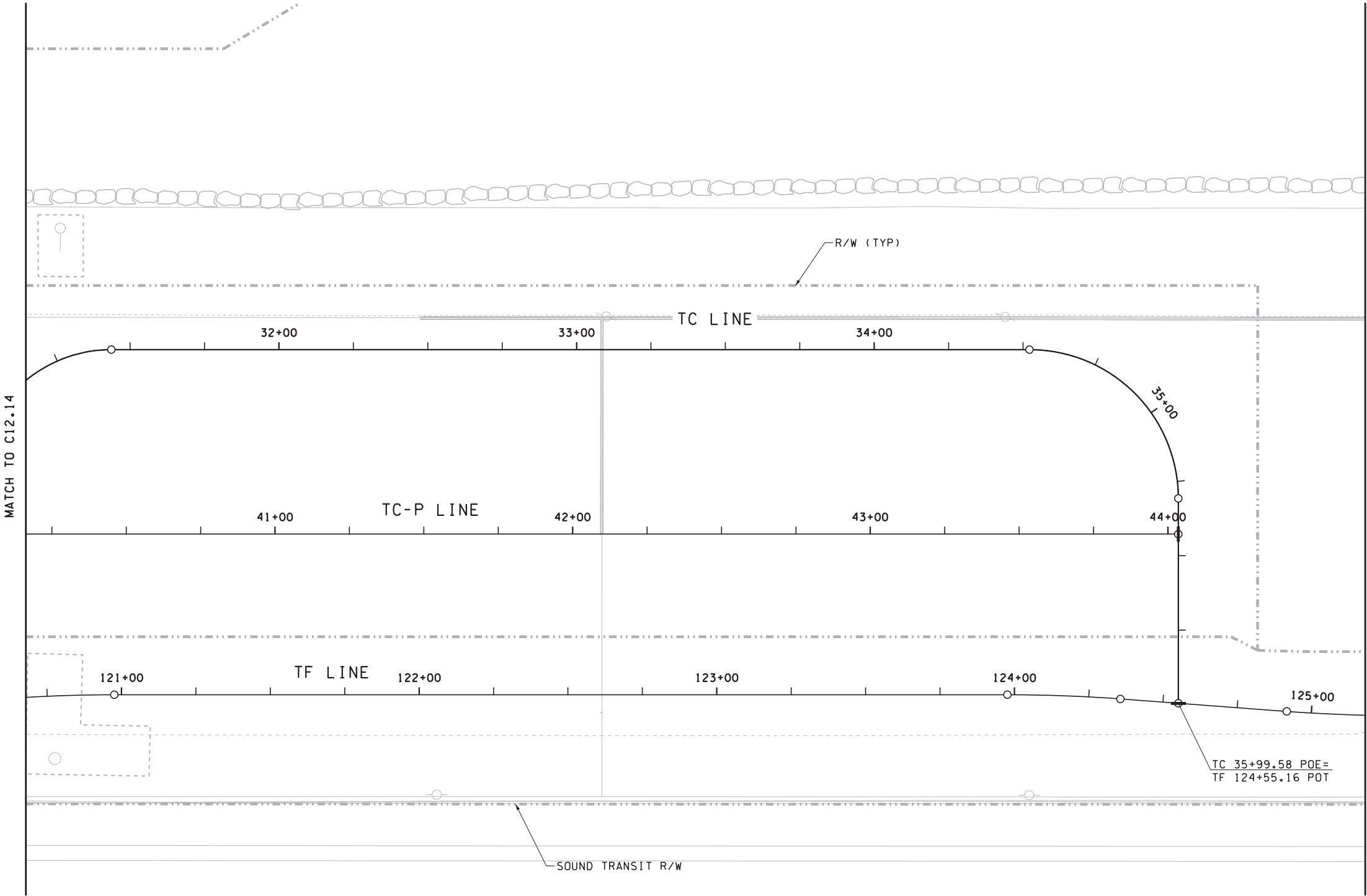
SHEET  
289  
OF  
1521  
SHEETS

- NOTES:**
- 1. SEE ROADWAY ALIGNMENT PLANS FOR ALIGNMENT DATA AND RIGHT-OF-WAY LOCATIONS C06.10 TO C06.16.
  - 2. FOR SIGN SPECIFICATIONS SEE SIGN INSTALLATION AND REMOVAL SPECIFICATION SHEETS C12.01 TO C12.06.

**CONSTRUCTION NOTES:**

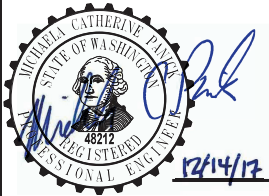
- 1 EXISTING SIGN TO REMAIN.

- LEGEND:**
- R- EXISTING SIGN TO BE REMOVED
  - EXISTING SIGN



0 20 40  
SCALE 1" = 40'

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SUBMITTAL DATE: 12/22/17	Contract				WA-2017-007-00
DESIGNED BY: K. THOMAS	12/14/2017				REGION NO. STATE
ENTERED BY: K. THOMAS	12/14/2017				10 WASH
CHECKED BY: M. PANICK	12/14/2017				JOB NUMBER
MAR PROJ ENGR: C. TORRES					18W121
DIR TERM ENGR: N. MCINTOSH					CONTRACT NO.
ASST SECRETARY: A. SCARTON					00*****
REVISION		DATE	BY		





SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION  
SIGN REMOVAL PLAN

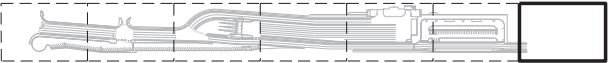
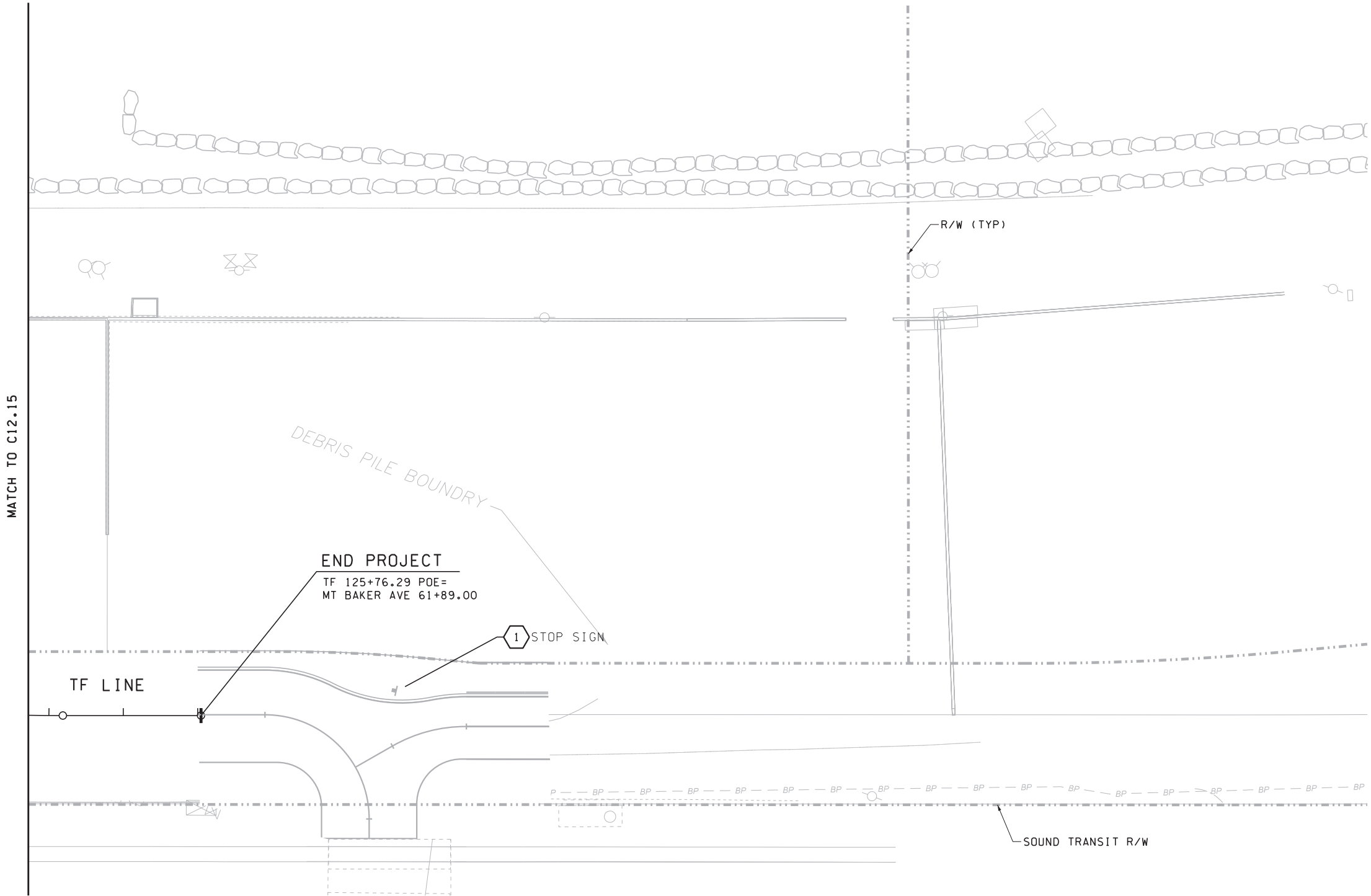
C12.15  
SHEET  
290  
OF  
1521  
SHEETS

- NOTES:**
- 1. SEE ROADWAY ALIGNMENT PLANS FOR ALIGNMENT DATA AND RIGHT-OF-WAY LOCATIONS C06.10 TO C06.16.
  - 2. FOR SIGN SPECIFICATIONS SEE SIGN INSTALLATION AND REMOVAL SPECIFICATION SHEETS C12.01 TO C12.06.

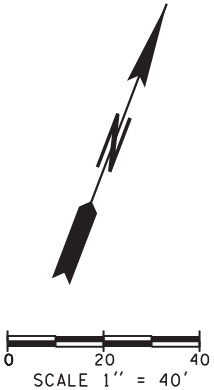
**CONSTRUCTION NOTES:**

1 EXISTING SIGN TO REMAIN.

- LEGEND:**
-  EXISTING SIGN TO BE REMOVED
  -  EXISTING SIGN



KEY PLAN



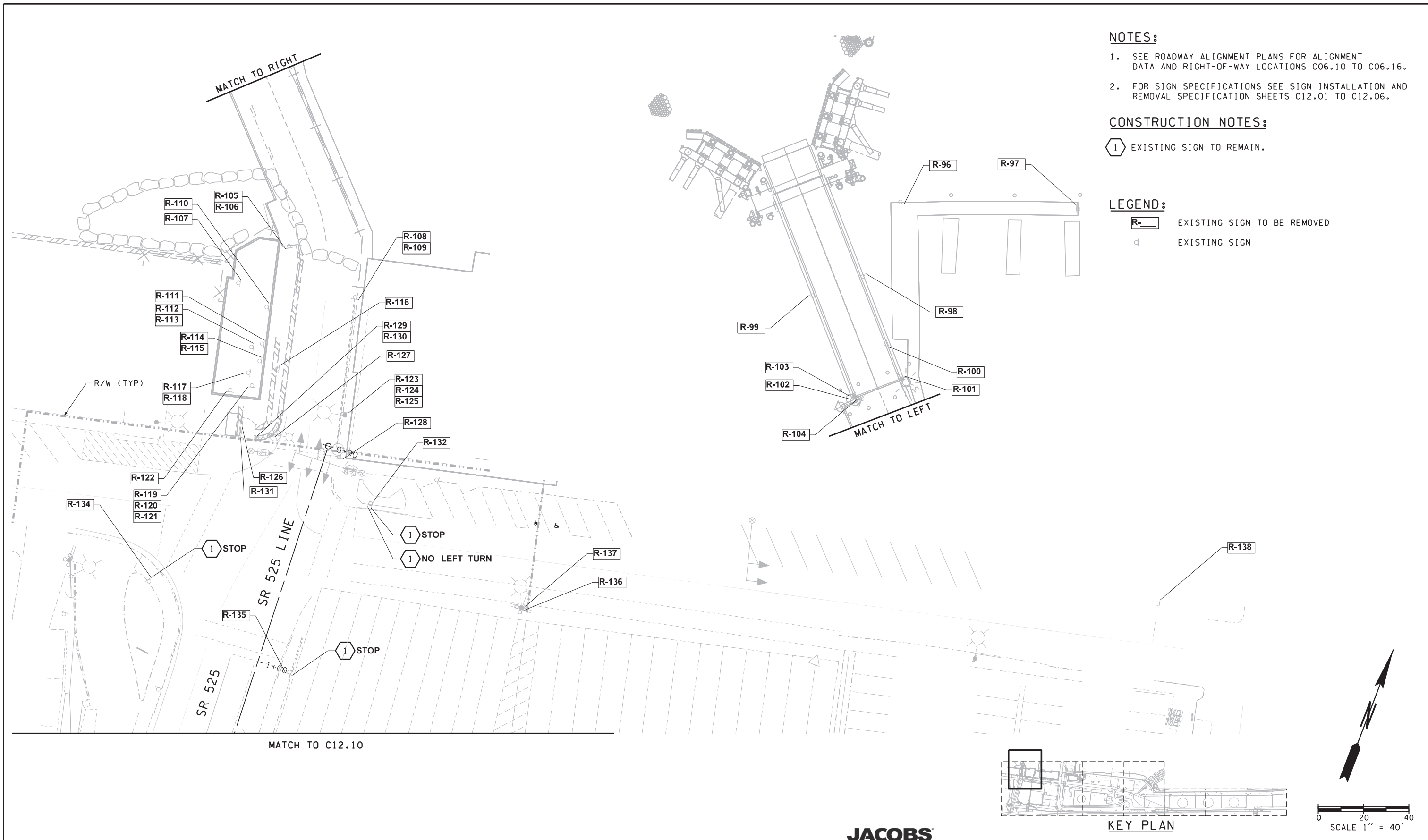
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SUBMITTAL DATE: 12/22/17					WA-2017-007-00
DESIGNED BY: K. THOMAS	12/14/2017				REGION NO. STATE
ENTERED BY: K. THOMAS	12/14/2017				10 WASH
CHECKED BY: M. PANICK	12/14/2017				JOB NUMBER
MAR PROJ ENGR: C. TORRES					18W121
DIR TERM ENGR: N. MCINTOSH					CONTRACT NO.
ASST SECRETARY: A. SCARTON					00****
	REVISION	DATE	BY		



SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION  
SIGN REMOVAL PLAN

C12.16  
SHEET  
291  
OF  
1521  
SHEETS





**NOTES:**

1. SEE ROADWAY ALIGNMENT PLANS FOR ALIGNMENT DATA AND RIGHT-OF-WAY LOCATIONS C06.10 TO C06.16.
2. FOR SIGN SPECIFICATIONS SEE SIGN INSTALLATION AND REMOVAL SPECIFICATION SHEETS C12.01 TO C12.06.

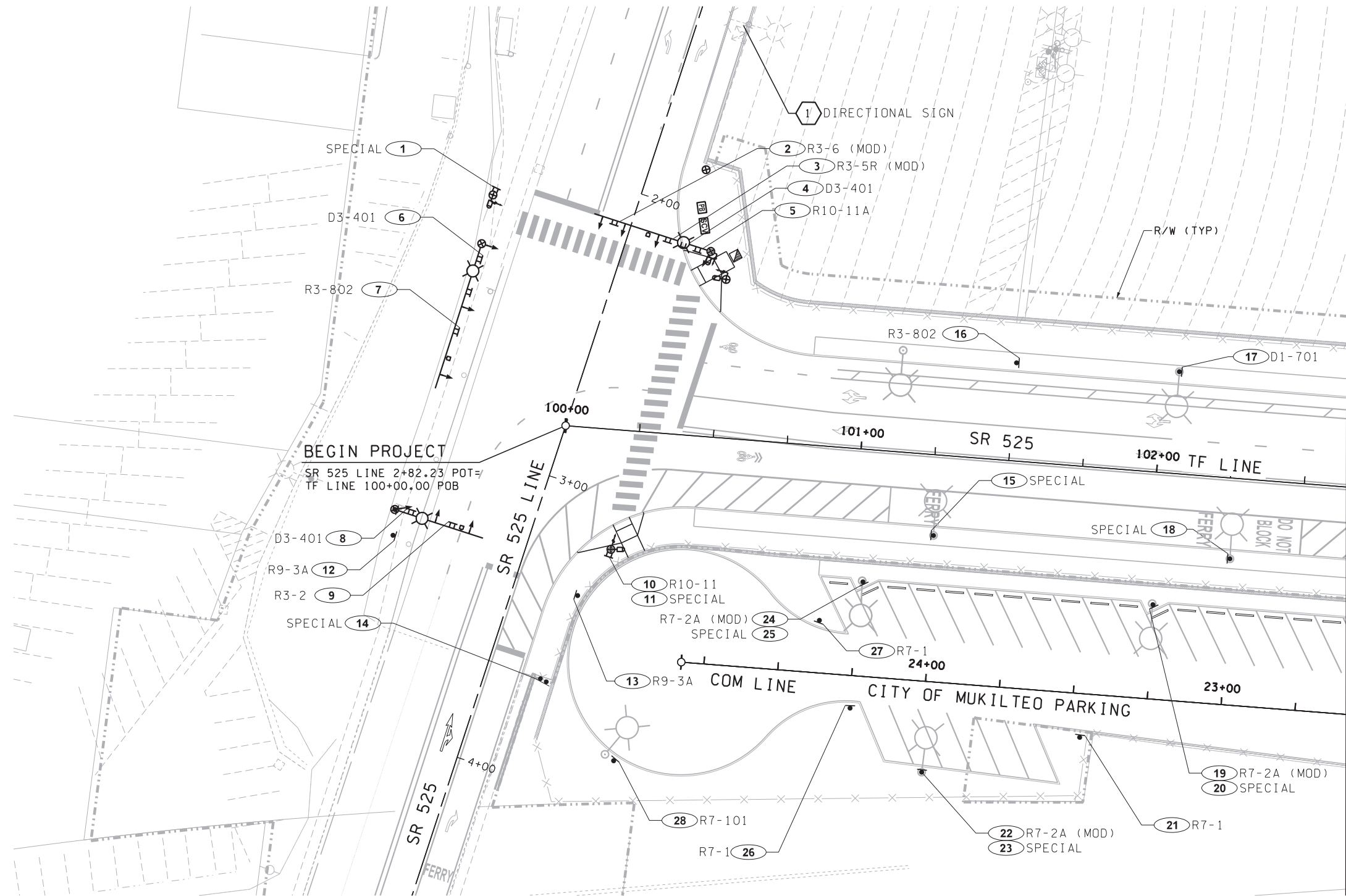
**CONSTRUCTION NOTES:**

- 1 EXISTING SIGN TO REMAIN.

**LEGEND:**

- R- EXISTING SIGN TO BE REMOVED
- 1 EXISTING SIGN

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SUBMITTAL DATE: 12/22/17		ConradCS				FED.AID PROJ.NO.		FERRY TERMINAL CONSTRUCTION		SHEET	
DESIGNED BY: K. THOMAS		12/14/2017				WA-2017-007-00				292	
ENTERED BY: K. THOMAS		12/14/2017				REGION NO. STATE				OF	
CHECKED BY: M. PANICK		12/14/2017				10 WASH				1521	
MAR PROJ ENGR: C. TORRES						JOB NUMBER				SHEETS	
DIR TERM ENGR: N. MCINTOSH						18W121					
ASST SECRETARY: A. SCARTON				REVISION		CONTRACT NO.		SIGN REMOVAL PLAN			
				DATE		00****					
				BY							



NOTES:

1. SEE ROADWAY ALIGNMENT PLANS FOR ALIGNMENT DATA, SHEETS C06.10 TO C06.16.
2. FOR SIGN SPECIFICATIONS SEE SIGN INSTALLATION AND REMOVAL SPECIFICATION SHEETS C12.01 TO C12.06.
3. SEE SIGNAL PLANS FOR SIGNAGE ON SIGNAL POLES SHEETS C16.00 TO C16.31.
4. CONTRACTOR TO VERIFY SIGN LOCATION PRIOR TO INSTALLATION. SEE GENERAL NOTE (A) & GENERAL NOTE (J) ON SHEET C12.01.
5. INSTALL RECTANGULAR RAPID-FLASHING BEACON (WITH SOLAR ENGINE) PER DETAIL ON SHEET C12.56.
6. VERIFY SIGN LOCATION PRIOR TO INSTALLATION WITH THE CITY OF MUKILTEO.

CONSTRUCTION NOTES:

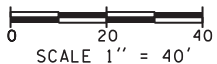
- 1 EXISTING SIGN TO REMAIN.

LEGEND:

- NEW SIGN
- NEW TWO POST SIGN
- NEW SIGN NOTE
- EXISTING SIGN
- PEDESTRIAN PUSH BUTTON POLE  
SEE SHEET C12.56 FOR DETAILS



KEY PLAN



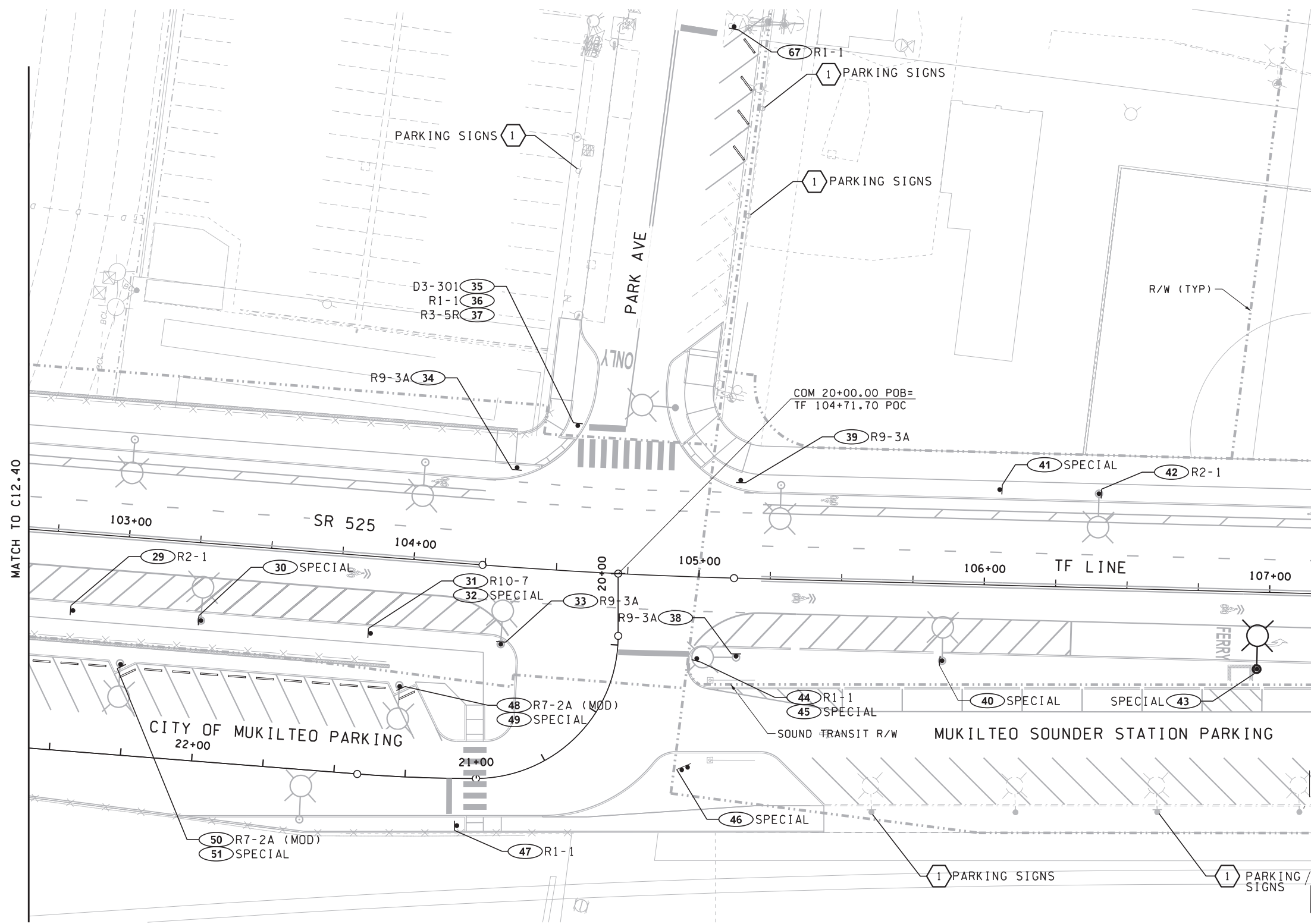
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PRINTED: \$\$TIME\$\$	\$\$DATE\$\$	LAST PRINTED BY:			FED.AID PROJ.NO.
SUBMITTAL DATE: 08/23/18		#USERNAME#			WA-2017-007-00
DESIGNED BY: K. THOMAS		\$DATE\$			REGION NO. STATE
ENTERED BY: C. CONRAD		\$DATE\$			10 WASH
CHECKED BY: J. SCHENKMAN		\$DATE\$			JOB NUMBER
MAR PROJ ENGR: C. TORRES					18W121
DIR TERM ENGR: N. MCINTOSH					CONTRACT NO.
ASST SECRETARY: A. SCARTON					00****
	REVISION	DATE	BY		



SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION

SIGNING PLAN

C12.40  
SHEET  
293  
OF  
1521  
SHEETS

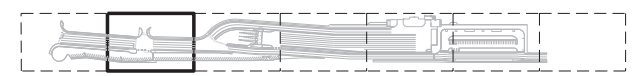


- NOTES:**
1. SEE ROADWAY ALIGNMENT PLANS FOR ALIGNMENT DATA, SHEETS C06.10 TO C06.16.
  2. FOR SIGN SPECIFICATIONS SEE SIGN INSTALLATION AND REMOVAL SPECIFICATION SHEETS C12.01 TO C12.06.
  3. SEE SIGNAL PLANS FOR SIGNAGE ON SIGNAL POLES SHEETS C16.00 TO C16.31.
  4. CONTRACTOR TO VERIFY SIGN LOCATION PRIOR TO INSTALLATION. SEE GENERAL NOTE (A) & GENERAL NOTE (J) ON SHEET C12.01.
  5. INSTALL RECTANGULAR RAPID-FLASHING BEACON (WITH SOLAR ENGINE) PER DETAIL ON SHEET C12.56.
  6. VERIFY SIGN LOCATION PRIOR TO INSTALLATION WITH THE CITY OF MUKILTEO.

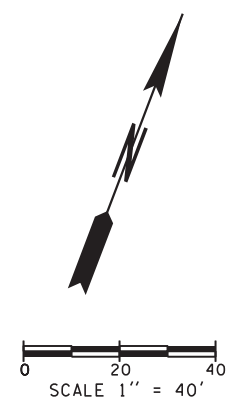
**CONSTRUCTION NOTES:**

1 EXISTING SIGN TO REMAIN.

- LEGEND:**
- NEW SIGN
  - NEW TWO POST SIGN
  - NEW SIGN NOTE
  - EXISTING SIGN
  - PEDESTRIAN PUSH BUTTON POLE  
SEE SHEET C12.56 FOR DETAILS



KEY PLAN



FILE NAME: WSF\Mukilteo\14W121_FerryTermConst\CADD\JACOBS\14w121c12.41.dwg										SR 525 MUKILTEO FERRY TERMINAL (PHASE 2) FERRY TERMINAL CONSTRUCTION		C12.41 SHEET 294 OF 1521 SHEETS	
PRINTED: 8:38:46 AM 8/22/2018													
SUBMITTAL DATE: 08/23/18		LAST PRINTED BY: ConradCS		FED.AID PROJ.NO. WA-2017-007-00		REGION NO. STATE 10 WASH		JOB NUMBER 18W121		CONTRACT NO. 00*****			
DESIGNED BY: K. THOMAS		8/22/2018											
ENTERED BY: K. THOMAS		8/22/2018											
CHECKED BY: J. SCHENKMAN		8/22/2018											
MAR PROJ ENGR: C. TORRES													
DIR TERM ENGR: N. MCINTOSH													
ASST SECRETARY: A. SCARTON													
REVISION				DATE				BY					







# NOTES:

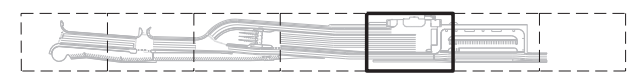
1. SEE ROADWAY ALIGNMENT PLANS FOR ALIGNMENT DATA, SHEETS C06.10 TO C06.16.
2. FOR SIGN SPECIFICATIONS SEE SIGN INSTALLATION AND REMOVAL SPECIFICATION SHEETS C12.01 TO C12.06.
3. SEE SIGNAL PLANS FOR SIGNAGE ON SIGNAL POLES SHEETS C16.00 TO C16.31.
4. CONTRACTOR TO VERIFY SIGN LOCATION PRIOR TO INSTALLATION. SEE GENERAL NOTE (A) & GENERAL NOTE (J) ON SHEET C12.01.
5. INSTALL RECTANGULAR RAPID-FLASHING BEACON (WITH SOLAR ENGINE) PER DETAIL ON SHEET C12.56.
6. VERIFY SIGN LOCATION PRIOR TO INSTALLATION WITH THE CITY OF MUKILTEO.

# CONSTRUCTION NOTES:

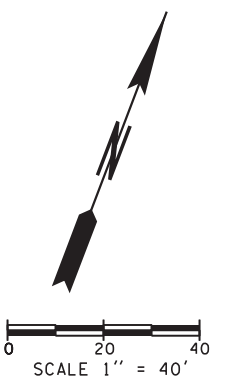
- 1 EXISTING SIGN TO REMAIN.

# LEGEND:

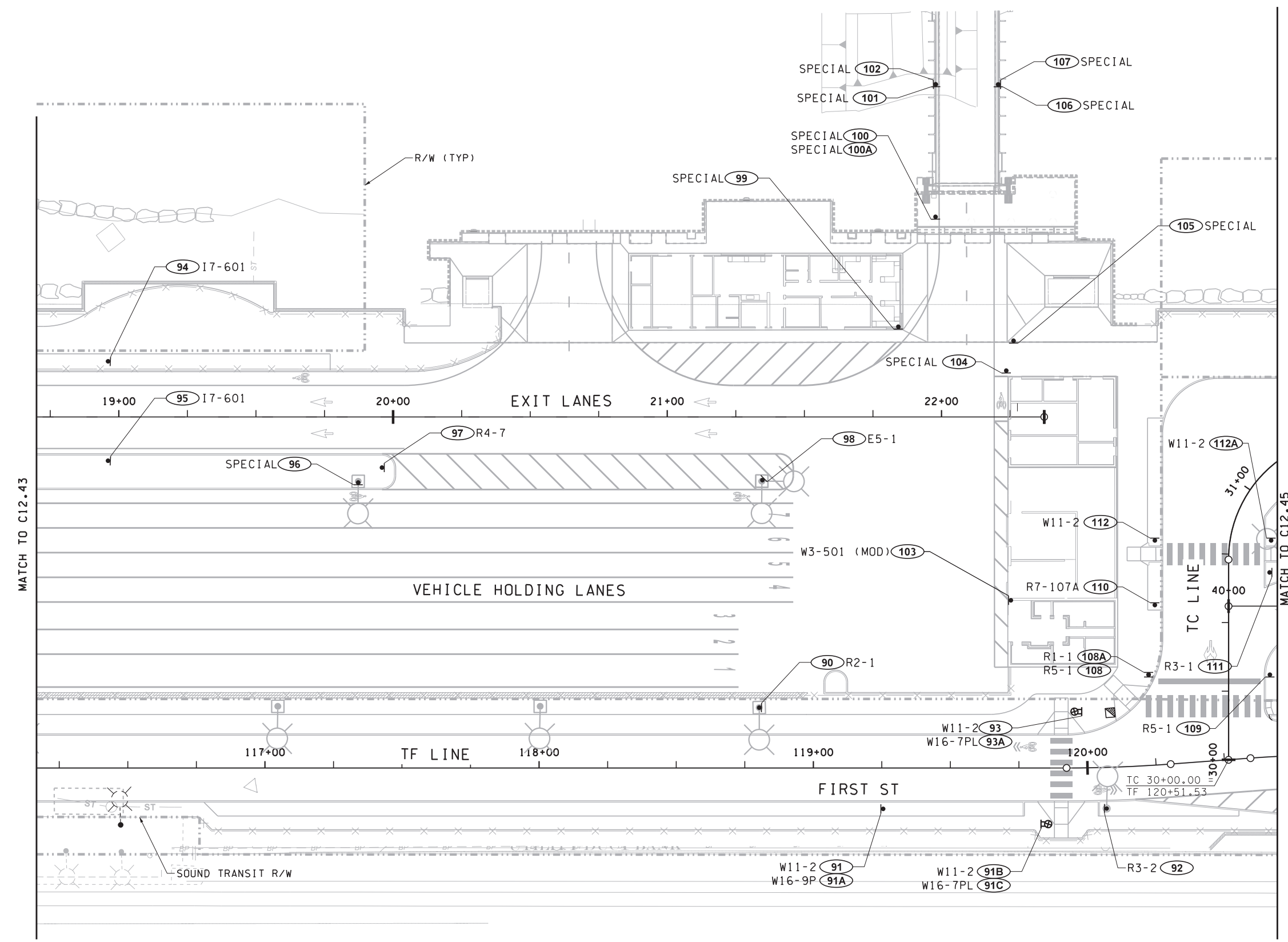
- NEW SIGN
- NEW TWO POST SIGN
- NEW SIGN NOTE
- EXISTING SIGN
- PEDESTRIAN PUSH BUTTON POLE  
SEE SHEET C12.56 FOR DETAILS



KEY PLAN



SCALE 1" = 40'





# NOTES:

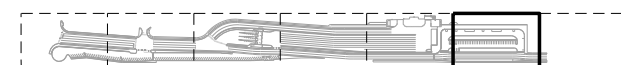
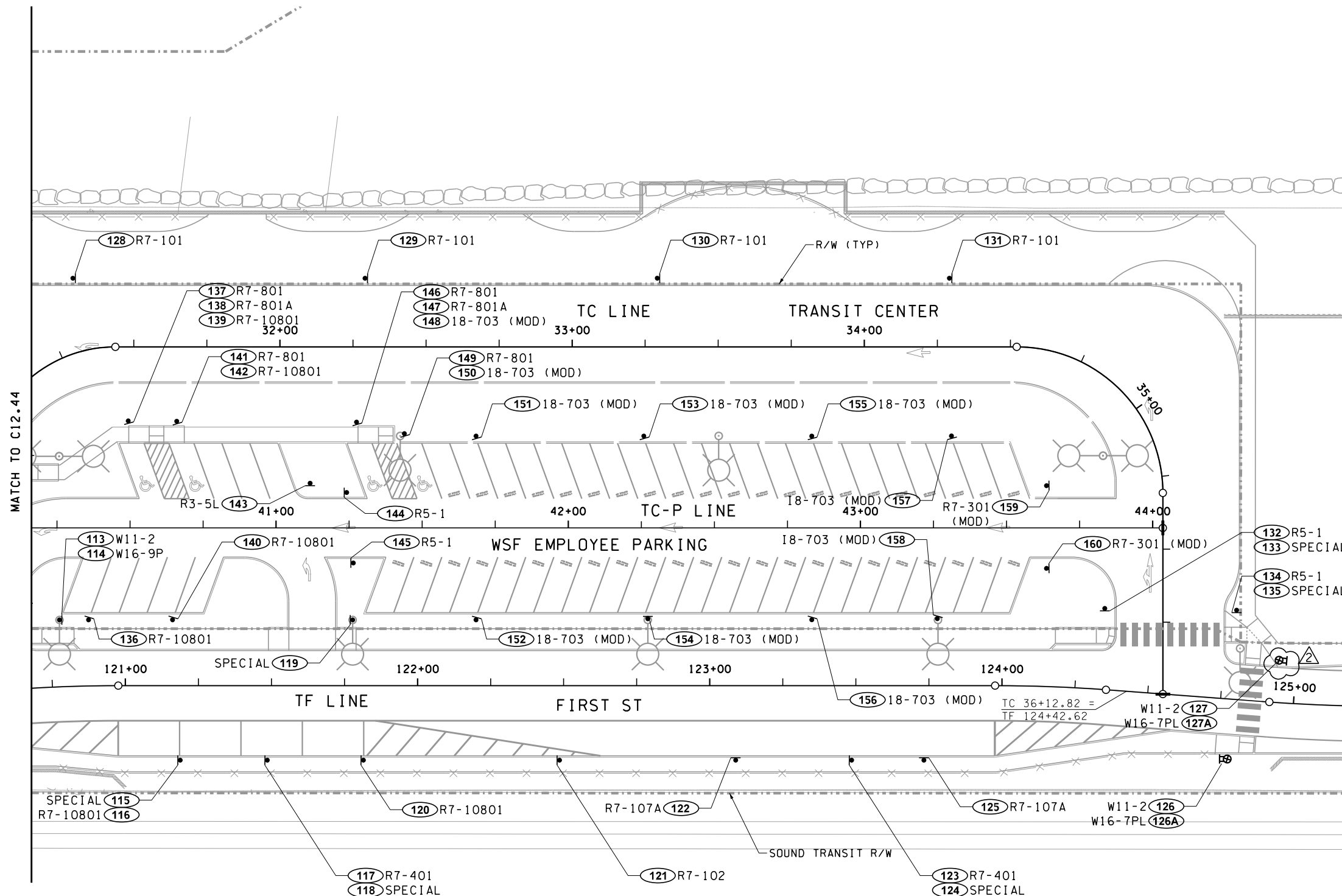
1. SEE ROADWAY ALIGNMENT PLANS FOR ALIGNMENT DATA, SHEETS C06.10 TO C06.16.
2. FOR SIGN SPECIFICATIONS SEE SIGN INSTALLATION AND REMOVAL SPECIFICATION SHEETS C12.01 TO C12.06.
3. SEE SIGNAL PLANS FOR SIGNAGE ON SIGNAL POLES SHEETS C16.00 TO C16.31.
4. CONTRACTOR TO VERIFY SIGN LOCATION PRIOR TO INSTALLATION. SEE GENERAL NOTE (A) & GENERAL NOTE (J) ON SHEET C12.01.
5. INSTALL RECTANGULAR RAPID-FLASHING BEACON (WITH SOLAR ENGINE) PER DETAIL ON SHEET C12.56.
6. VERIFY SIGN LOCATION PRIOR TO INSTALLATION WITH THE CITY OF MUKILTEO.

# CONSTRUCTION NOTES:

- 1 EXISTING SIGN TO REMAIN.

# LEGEND:

- NEW SIGN
- NEW TWO POST SIGN
- NEW SIGN NOTE
- EXISTING SIGN
- PEDESTRIAN PUSH BUTTON POLE  
SEE SHEET C12.56 FOR DETAILS



KEY PLAN

0 20 40  
SCALE 1" = 40'

FILE NAME: WSF\Mukilteo\14W121\_FerryTermConst\CADD\JACOBS\14w121c12-45.dwg

PRINTED: 8:37:44 AM 11/1/2018

SUBMITTAL DATE: 08/23/18

DESIGNED BY: K. THOMAS

ENTERED BY: C. CONRAD

CHECKED BY: J. SCHENKMAN

MAR PROJ ENGR: C. TORRES

DIR TERM ENGR: N. MCINTOSH

ASST SECRETARY: A. SCARTON

LAST PRINTED BY: Daniel J. L.

11/1/2018

11/1/2018

11/1/2018

11/1/2018

11/1/2018

11/1/2018

11/1/2018

ADDENDUM #2  
REVISION

DATE

BY

FED. AID  
PROJ. NO.

WA-2017-007-00

REGION NO. STATE

10 WASH

JOB NUMBER

18W121

CONTRACT NO.

00\*\*\*\*



10/26/2018

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Washington State  
Department of Transportation  
WASHINGTON STATE FERRIES

SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION

SIGNING PLAN

C12.45

SHEET  
298  
OF  
1521  
SHEETS

NOTES:

- 1. SEE ROADWAY ALIGNMENT PLANS FOR ALIGNMENT DATA, SHEETS C06.10 TO C06.16.
- 2. FOR SIGN SPECIFICATIONS SEE SIGN INSTALLATION AND REMOVAL SPECIFICATION SHEETS C12.01 TO C12.06.
- 3. SEE SIGNAL PLANS FOR SIGNAGE ON SIGNAL POLES SHEETS C16.00 TO C16.31.
- 4. CONTRACTOR TO VERIFY SIGN LOCATION PRIOR TO INSTALLATION. SEE GENERAL NOTE (A) & GENERAL NOTE (J) ON SHEET C12.01.
- 5. INSTALL RECTANGULAR RAPID-FLASHING BEACON (WITH SOLAR ENGINE) PER DETAIL ON SHEET C12.56.
- 6. VERIFY SIGN LOCATION PRIOR TO INSTALLATION WITH THE CITY OF MUKILTEO.

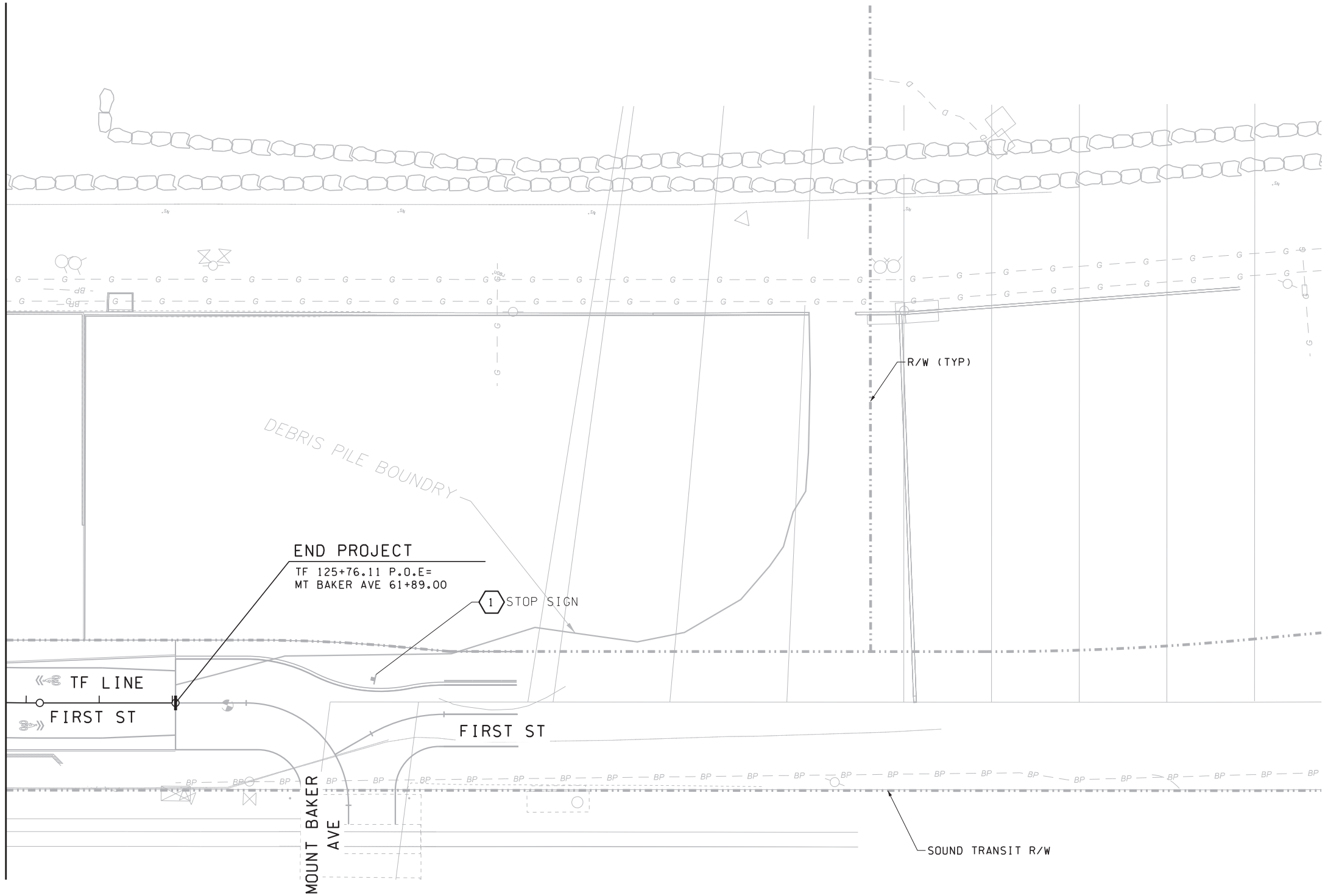
CONSTRUCTION NOTES:

- 1 EXISTING SIGN TO REMAIN.

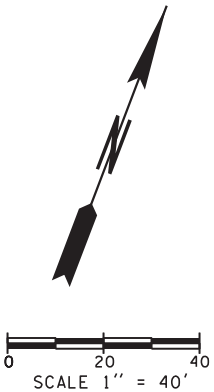
LEGEND:

- NEW SIGN
- NEW TWO POST SIGN
- NEW SIGN NOTE
- EXISTING SIGN
- PEDESTRIAN PUSH BUTTON POLE SEE SHEET C12.56 FOR DETAILS

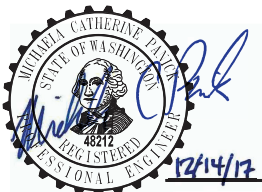
MATCH TO C12.45



KEY PLAN



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SUBMITTAL DATE: 12/22/17					WA-2017-007-00
DESIGNED BY: K. THOMAS	12/14/2017				REGION NO. STATE
ENTERED BY: K. THOMAS	12/14/2017				10 WASH
CHECKED BY: M. PANICK	12/14/2017				JOB NUMBER
MAR PROJ ENGR: C. TORRES					18W121
DIR TERM ENGR: N. MCINTOSH					CONTRACT NO.
ASST SECRETARY: A. SCARTON					00*****
	REVISION	DATE	BY		



**JACOBS**



**Washington State**  
**Department of Transportation**  
WASHINGTON STATE FERRIES

SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION

SIGNING PLAN

C12.46  
SHEET  
299  
OF  
1521  
SHEETS



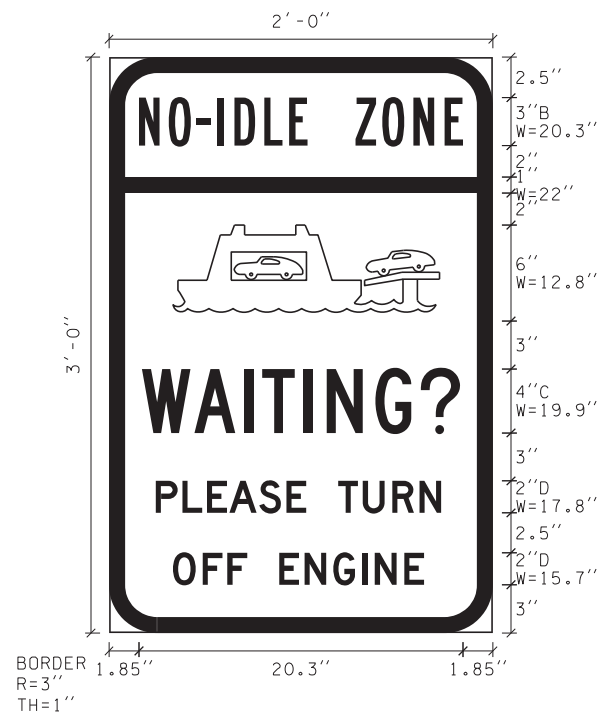
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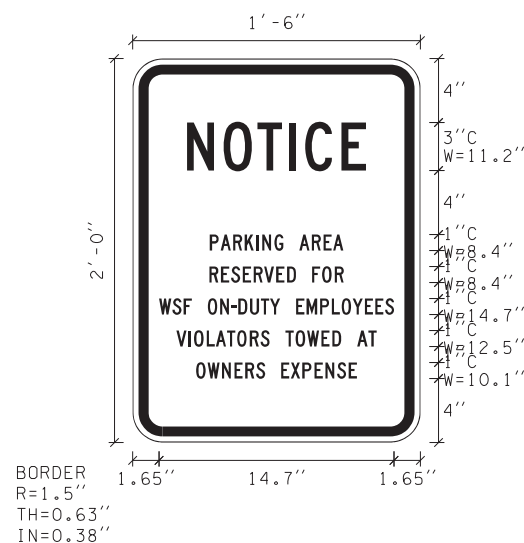
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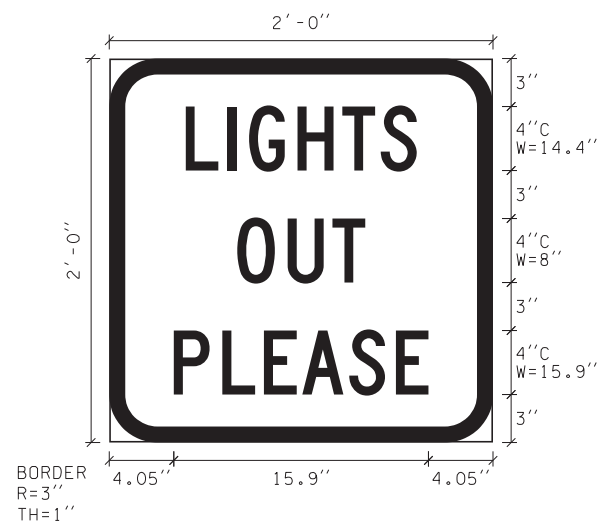
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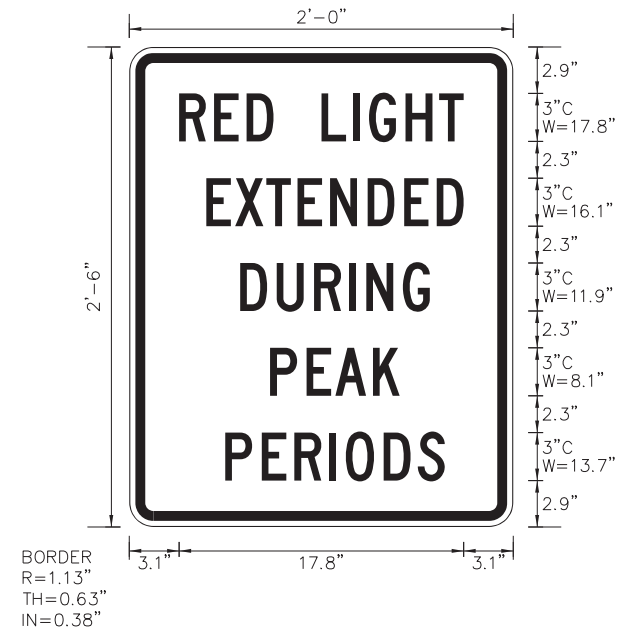
SPECIAL SIGN NO. 18,  
43, 83, 84, 89, 96  
WHITE ON BLUE PANEL N.T.S.  
15-801 FERRY  
(SYMBOL/CAR BOARDING FERRY)



18-703 (MOD) SIGN NO. 148, 150, 151,  
152, 153, 154, 155, 156, 157, 158  
BLACK ON WHITE PANEL N.T.S.



SPECIAL SIGN NO. 99,  
101, 105, 106  
BLACK ON WHITE PANEL N.T.S.



SPECIAL SIGN NO. 11, 60  
BLACK ON WHITE PANEL N.T.S.





R3-6(MOD) SIGN NO. 2  
BLACK ON WHITE PANEL N.T.S.



R3-5R(MOD) SIGN NO. 3  
BLACK ON WHITE PANEL N.T.S.



SPECIAL SIGN NO. 100A  
N.T.S.

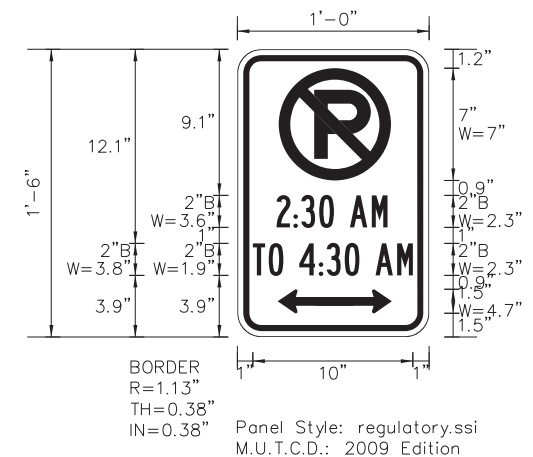
"RESTRICTED AREA" BLACK ON RED PANEL  
"AUTHORIZED PERSONNEL" BLACK ON WHITE PANEL



R3-6(MOD) SIGN NO. 58  
BLACK ON WHITE PANEL N.T.S.




R3-5L(MOD) SIGN NO. 59  
BLACK ON WHITE PANEL N.T.S.



R7-2A(MOD) SIGN NO. 19, 22, 24, 50  
BLACK ON WHITE PANEL  
CIRCLE, DIAGONAL RED N.T.S.

FILE NAME: WSF\Mukilteo\14W121_FerryTermConst\CADD\JACOBS\14w121c12-51.dwg									
PRINTED: 8:39:05 AM 8/22/2018	LAST PRINTED BY: ConradCS					FED.AID PROJ.NO.			
SUBMITTAL DATE: 08/23/18						WA-2017-007-00			
DESIGNED BY: M. PANICK	8/22/2018					REGION NO. STATE			
ENTERED BY: C. CONRAD	8/22/2018					10 WASH			
CHECKED BY: J. SCHENKMAN	8/22/2018					JOB NUMBER			
MAR PROJ ENGR: C. TORRES						18W121			
DIR TERM ENGR: N. MCINTOSH						CONTRACT NO.			
ASST SECRETARY: A. SCARTON						00*****			
REVISION						DATE	BY		

JACOBS



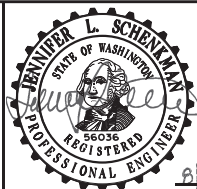
Washington State  
Department of Transportation  
WASHINGTON STATE FERRIES

SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION

SIGN DETAILS

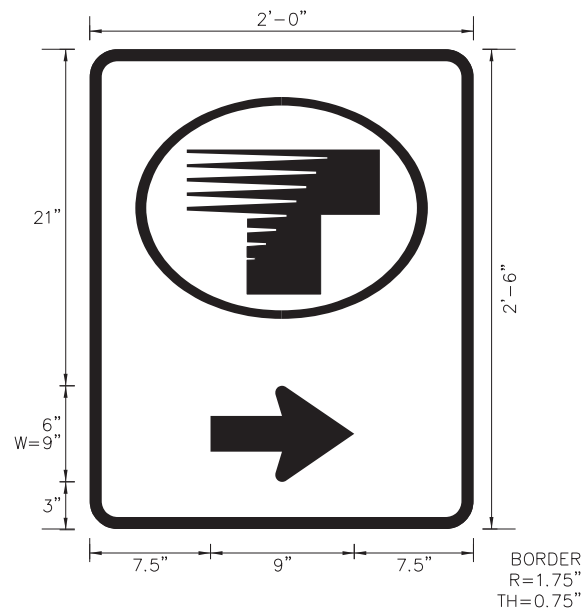
C12.51

SHEET  
301  
OF  
1521  
SHEETS





SPECIAL SIGN NO. 119  
WHITE ON GREEN PANEL N.T.S.



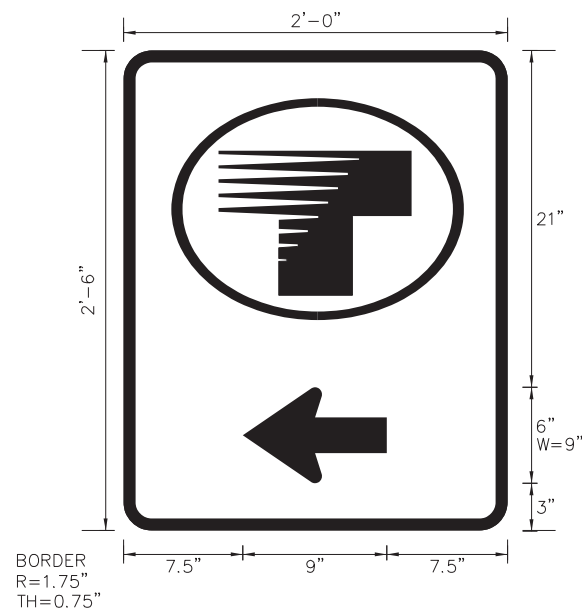
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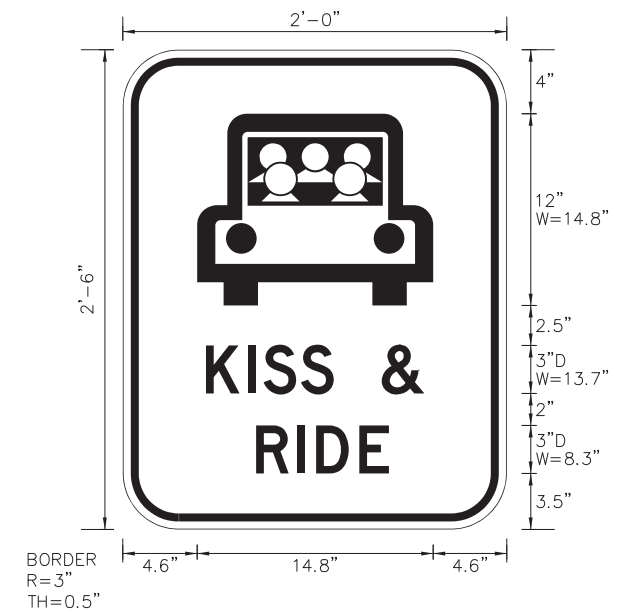
SPECIAL SIGN NO. 20, 23, 25, 51  
GREEN ON WHITE PANEL N.T.S.  
"P" SYMBOL BLACK



SPECIAL SIGN NO. 100  
BLACK ON WHITE PANEL N.T.S.



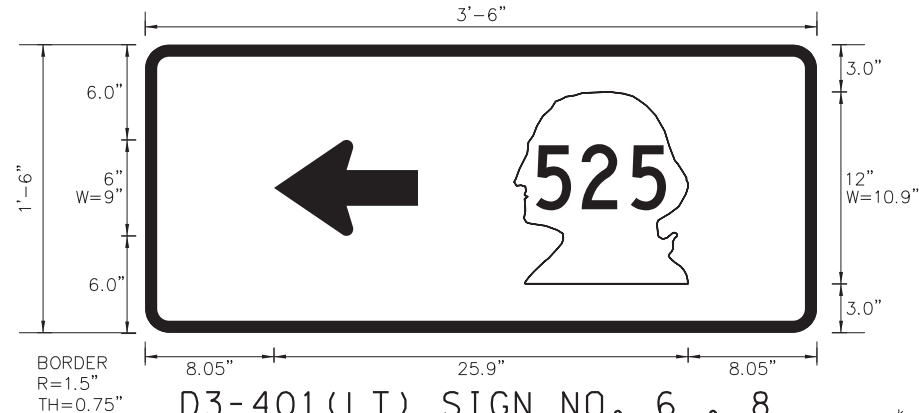
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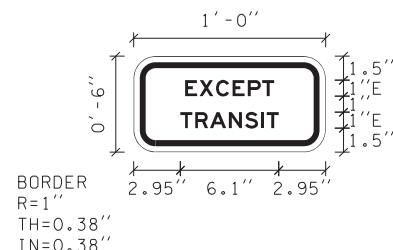
D4-2(MOD) SIGN NO. 115  
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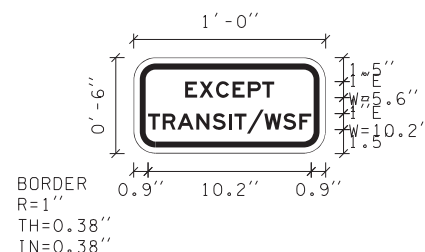
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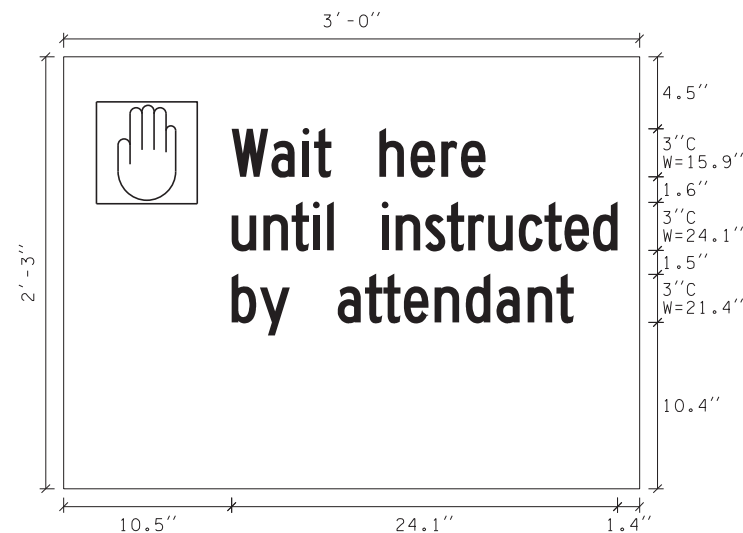
D3-401(LT) SIGN NO. 6, 8  
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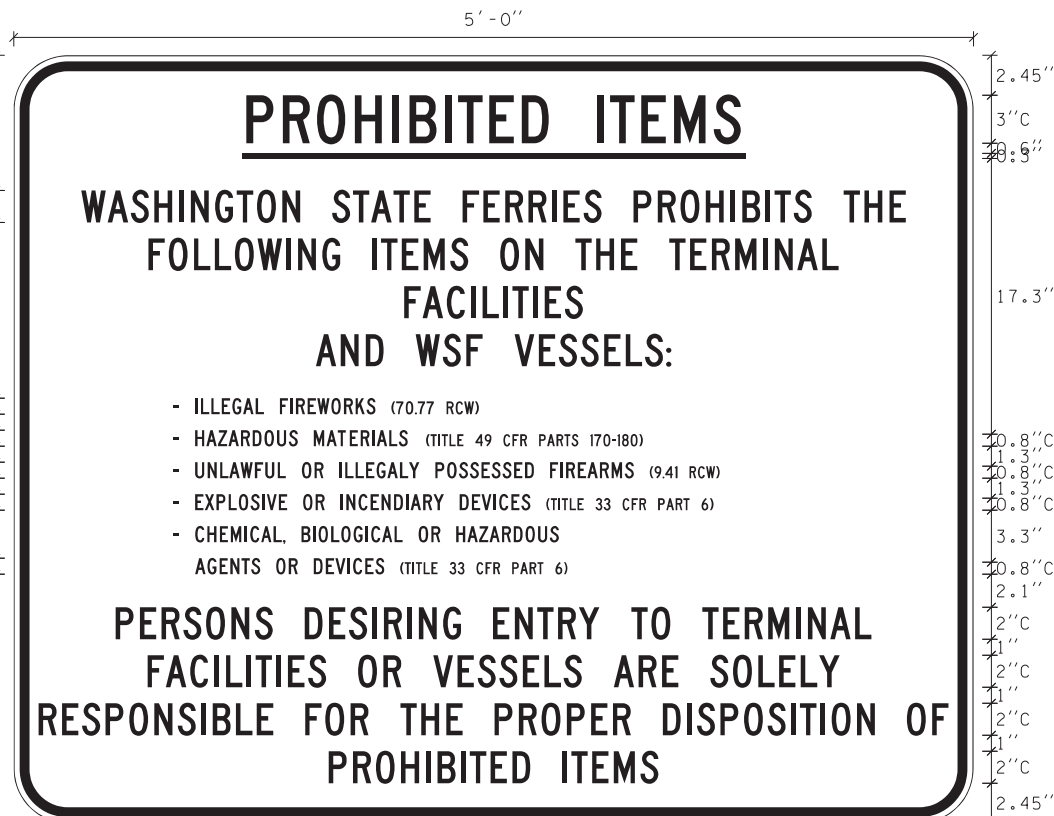
SPECIAL SIGN NO. 118, 124  
RED ON WHITE PANEL N.T.S.



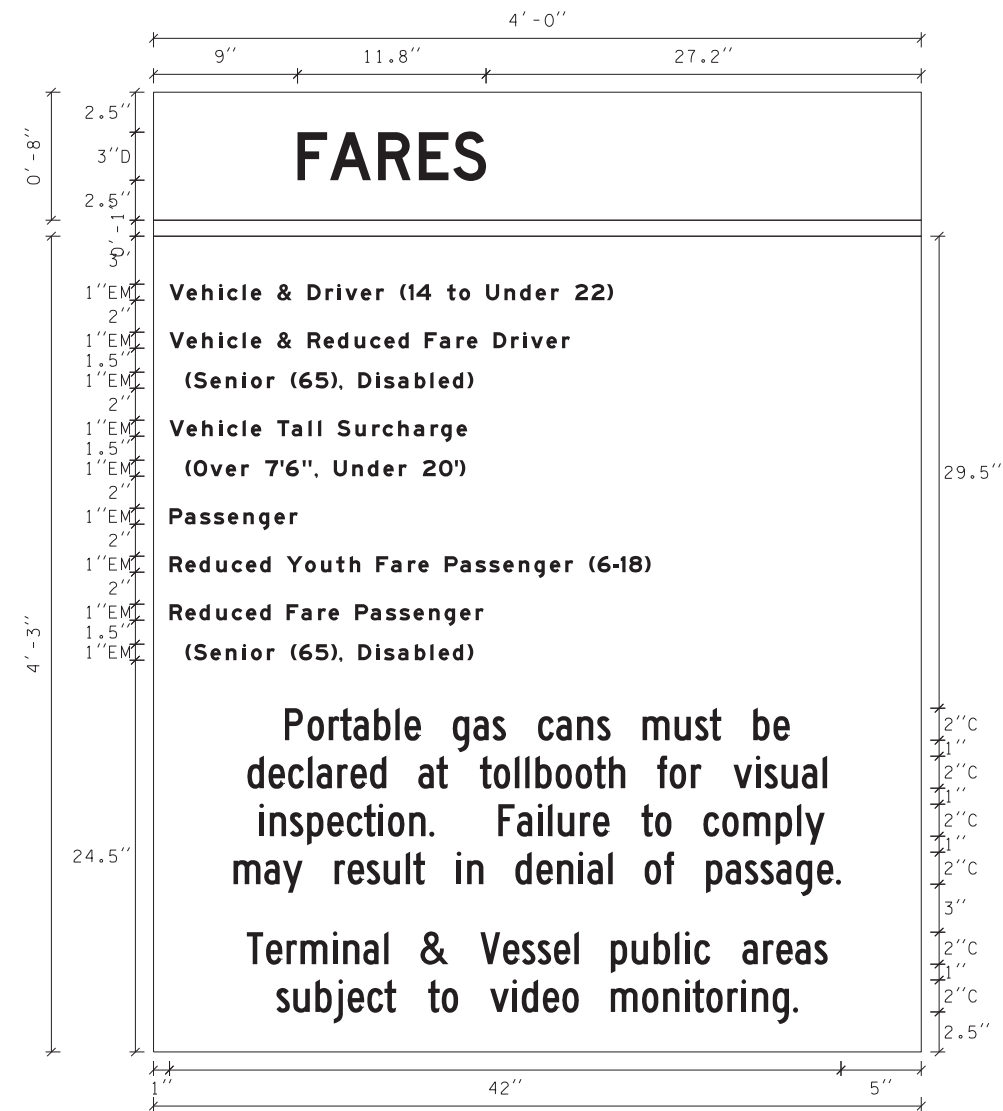
SPECIAL SIGN NO. 133, 135  
RED ON WHITE PANEL N.T.S.



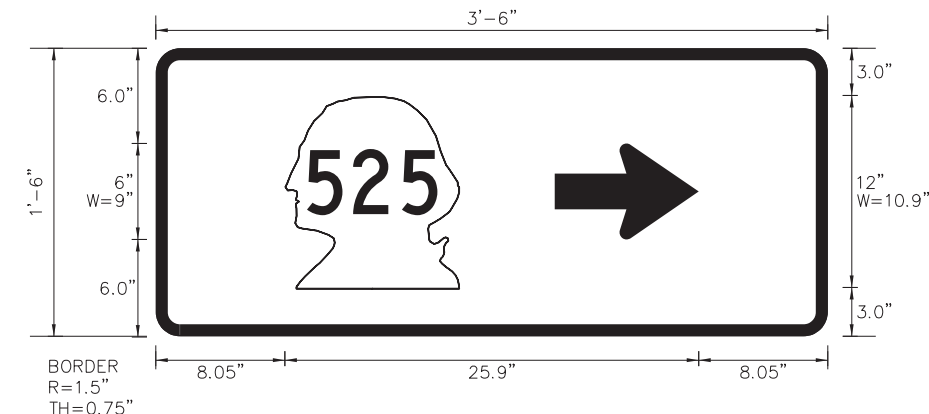
SPECIAL SIGN NO. 104  
WHITE ON GREEN PANEL N.T.S.  
WAIT SYMBOL



SPECIAL SIGN NO. 68, 70  
BLACK ON WHITE PANEL N.T.S.

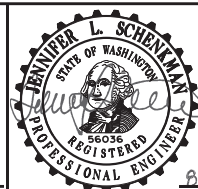


SPECIAL SIGN NO. 69, 71  
BLACK ON WHITE PANEL N.T.S.  
WAIT SYMBOL



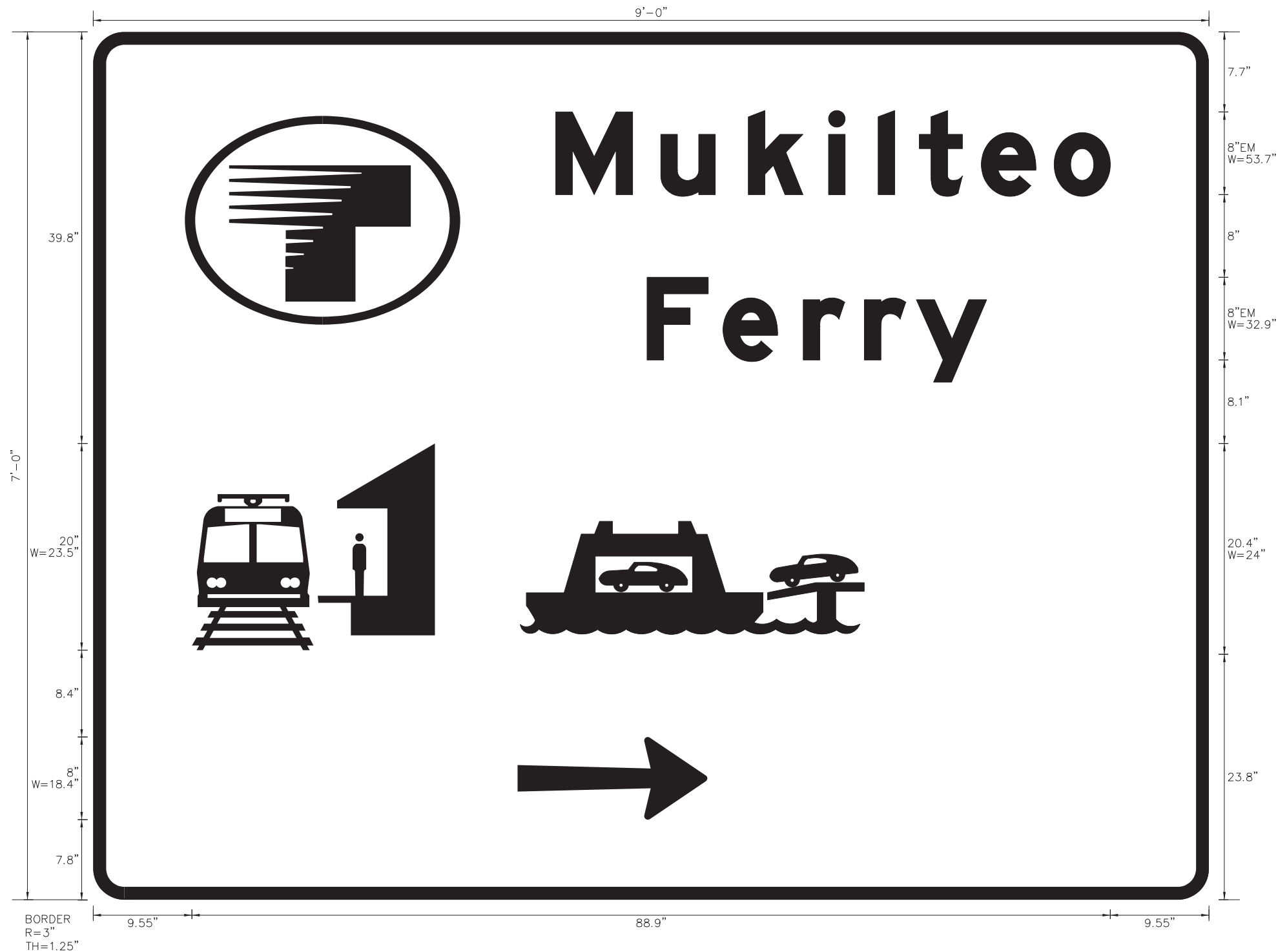
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PRINTED: 8:39:10 AM 8/22/2018	LAST PRINTED BY: ConradCS			FED.AID PROJ.NO.
SUBMITTAL DATE: 08/23/18				WA-2017-007-00
DESIGNED BY: M. GUILLEN	8/22/2018			REGION NO. STATE
ENTERED BY: C. CONRAD	8/22/2018			10 WASH
CHECKED BY: J. SCHENKMAN	8/22/2018			JOB NUMBER
MAR PROJ ENGR: C. TORRES				18W121
DIR TERM ENGR: N. MCINTOSH				CONTRACT NO.
ASST SECRETARY: A. SCARTON				00*****
	REVISION	DATE	BY	

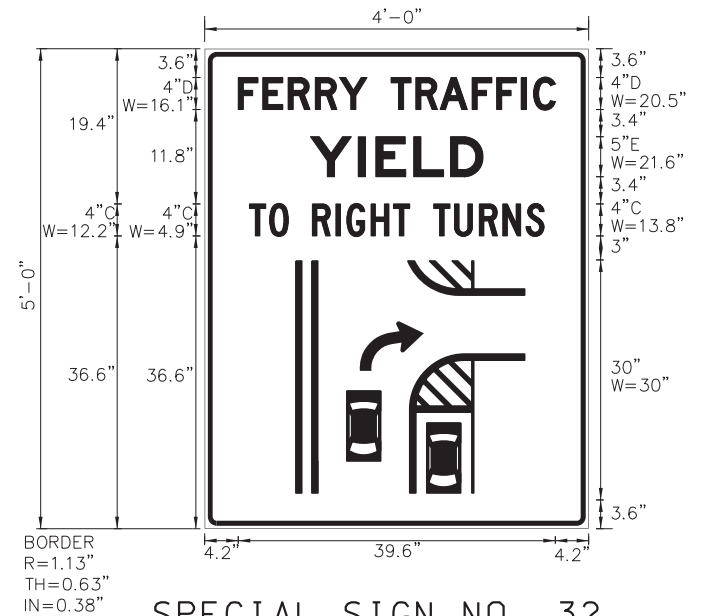


SR 525		C12.53
MUKILTEO FERRY TERMINAL (PHASE 2) FERRY TERMINAL CONSTRUCTION		
SIGN DETAILS		SHEET 303 OF 1521 SHEETS

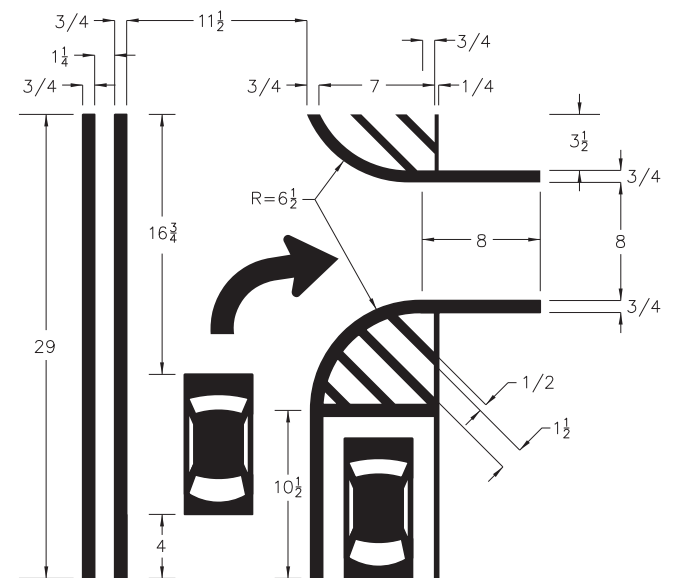




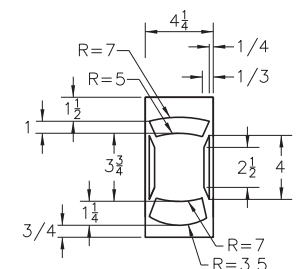
**SPECIAL SIGN NO. 14**  
WHITE ON GREEN PANEL N.T.S.



**SPECIAL SIGN NO. 32**  
BLACK ON WHITE PANEL N.T.S.  
DIAGRAM DETAILS SHOWN BELOW

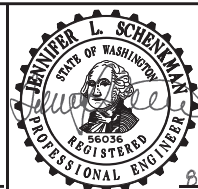


**SIGN NO. 32 DIAGRAM DETAIL**  
DIMENSIONS SHOWN IN INCHES



**SIGN NO. 32 CAR DETAILS**  
DIMENSIONS SHOWN IN INCHES

FILE NAME: WSF\Mukilteo\14W121_FerryTermConst\CADD\JACOBS\ 14w121c12-54.dwg					
PRINTED: 8:39:14 AM 8/22/2018	LAST PRINTED BY: ConradCS				FED.AID PROJ.NO.
SUBMITTAL DATE: 08/23/18					WA-2017-007-00
DESIGNED BY: M. PANICK	8/22/2018				REGION NO. STATE
ENTERED BY: C. CONRAD	8/22/2018				10 WASH
CHECKED BY: J. SCHENKMAN	8/22/2018				JOB NUMBER
MAR PROJ ENGR: C. TORRES					18W121
DIR TERM ENGR: N. MCINTOSH					CONTRACT NO.
ASST SECRETARY: A. SCARTON		REVISION	DATE	BY	00*****



8/22/2018

**JACOBS**

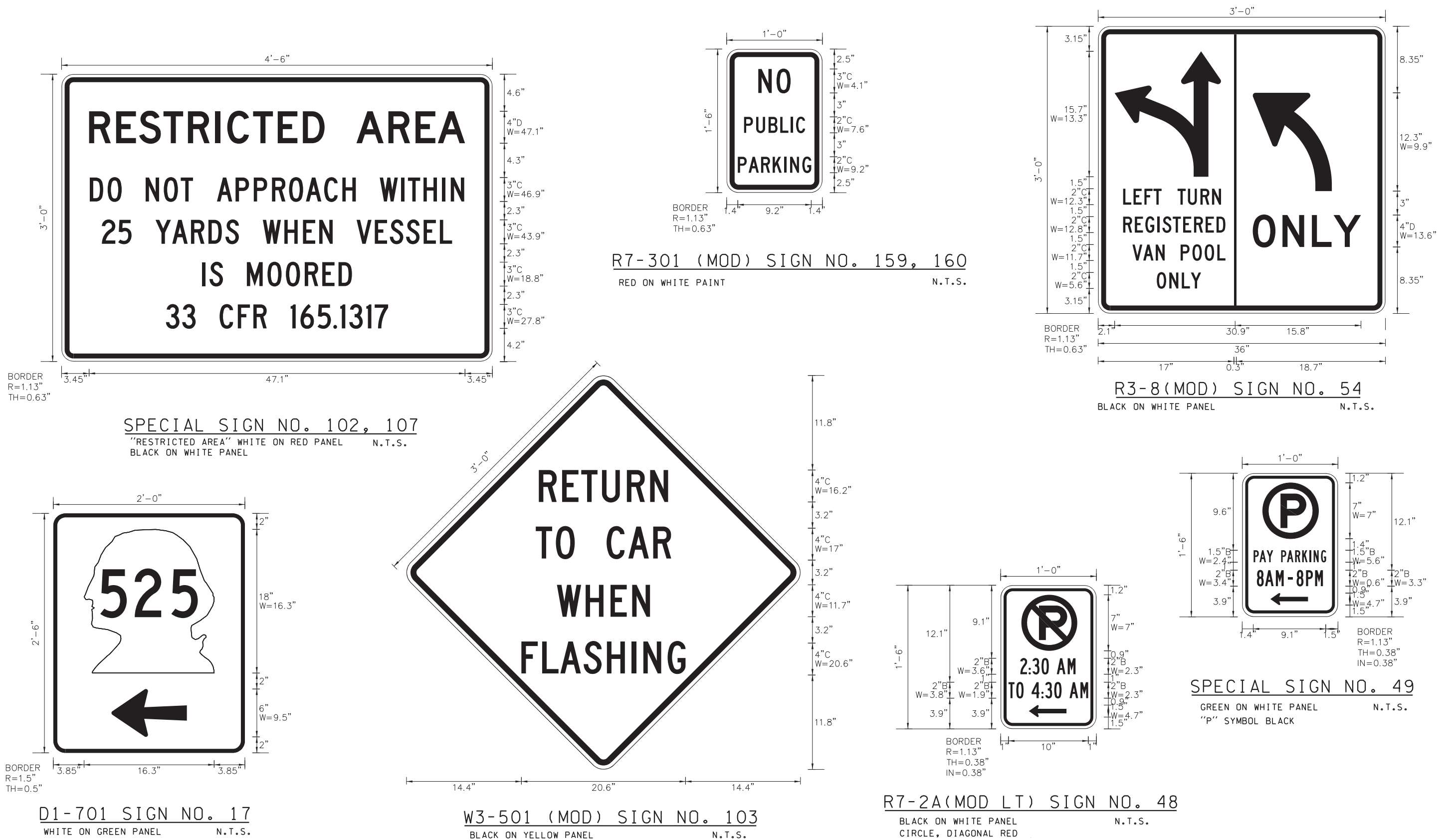




**Washington State**  
**Department of Transportation**  
WASHINGTON STATE FERRIES

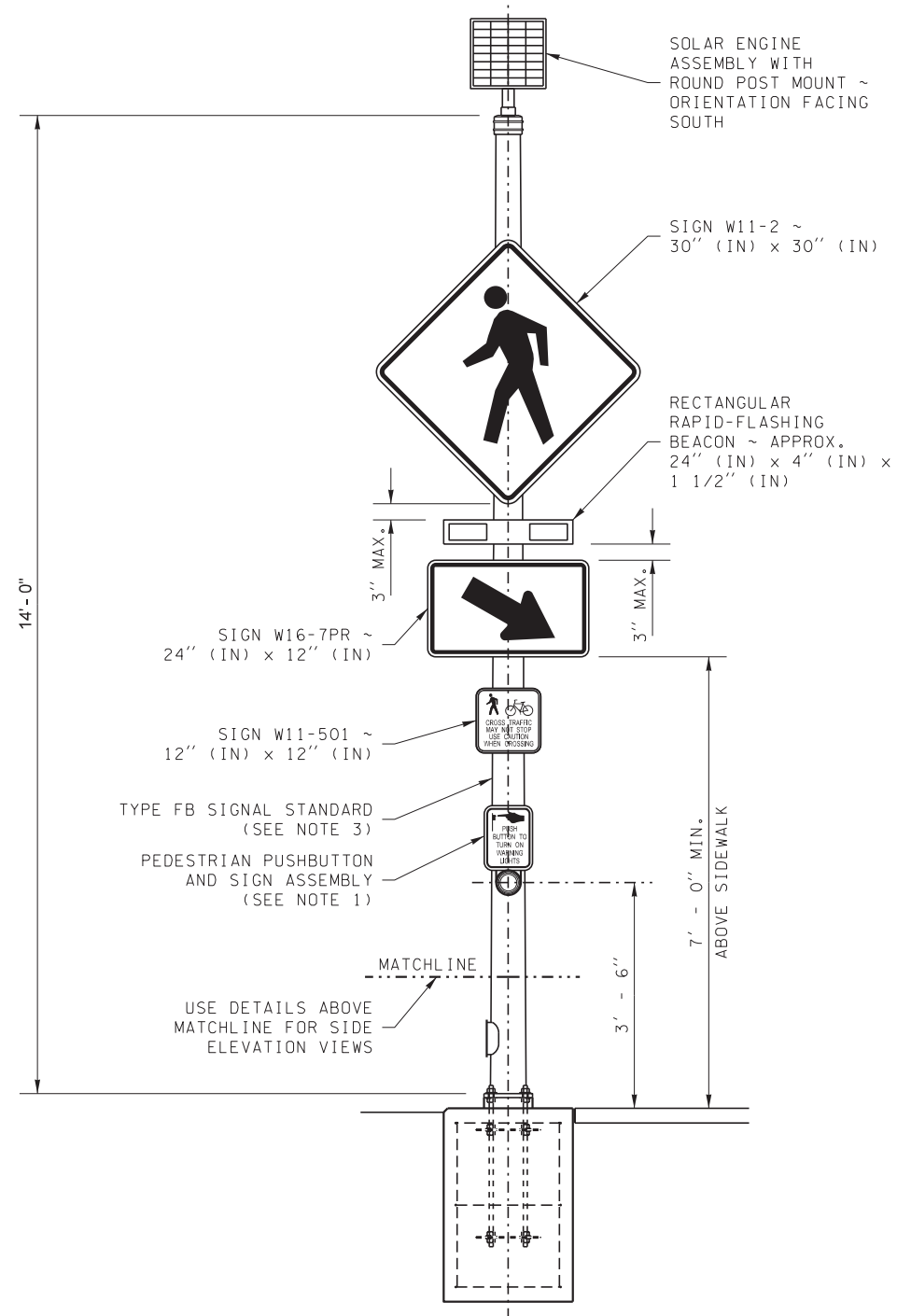
**SR 525**  
**MUKILTEO FERRY TERMINAL (PHASE 2)**  
**FERRY TERMINAL CONSTRUCTION**

**SIGN DETAILS**

**C12.54**  
SHEET  
304  
OF  
1521  
SHEETS

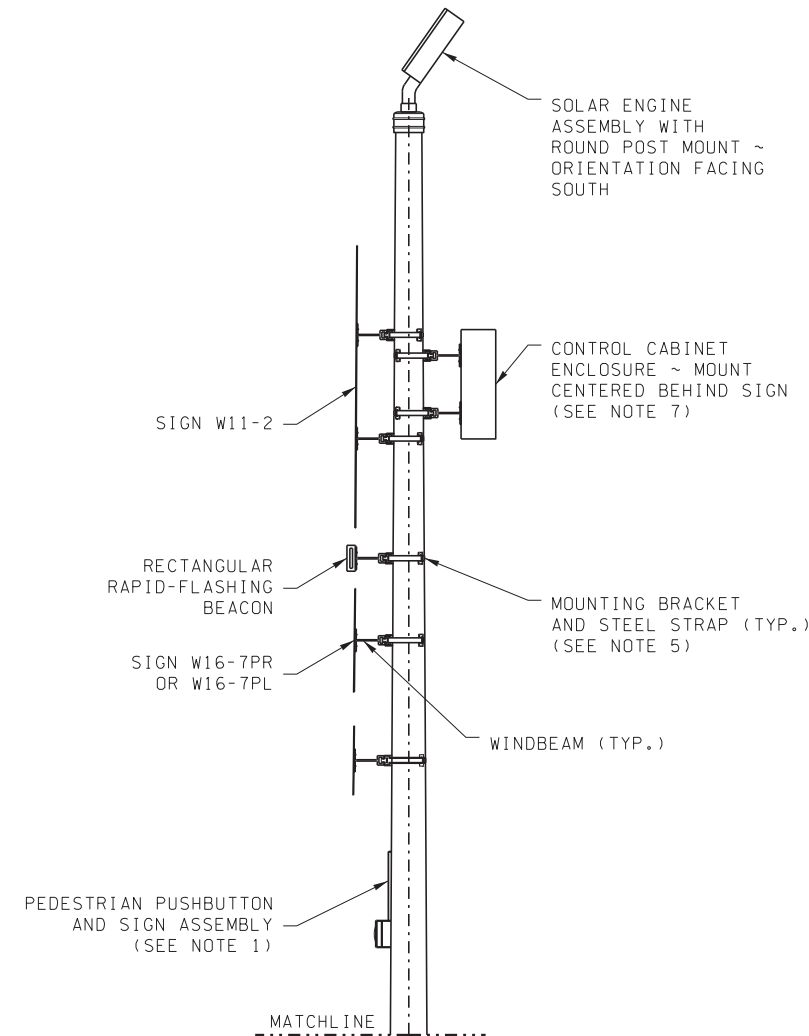


FILE NAME: WSF\Mukilteo\14W121_FerryTermConst\CADD\JACOBS\ 14w121c12-55.dwg												<p>Washington State Department of Transportation WASHINGTON STATE FERRIES</p>	SR 525		C12.55
PRINTED: 8:39:21 AM 8/22/2018		LAST PRINTED BY:		FED.AID PROJ.NO.		MUKILTEO FERRY TERMINAL (PHASE 2) FERRY TERMINAL CONSTRUCTION									
SUBMITTAL DATE: 08/23/18		ConradCS		WA-2017-007-00											
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ENTERED BY: C. CONRAD		8/22/2018		10 WASH		305									
CHECKED BY: J. SCHENKMAN		8/22/2018		JOB NUMBER		OF									
MAR PROJ ENGR: C. TORRES				18W121		1521									
DIR TERM ENGR: N. MCINTOSH				CONTRACT NO.		SHEETS									
ASST SECRETARY: A. SCARTON				00****											
REVISION		DATE		BY											



**FRONT ELEVATION VIEW**  
**RECTANGULAR RAPID-FLASHING BEACON**  
**(WITH SOLAR ENGINE)**

FIXED BASE AND CONCRETE SQUARE FOUNDATION SHOWN (SEE NOTES 2 & 4)



**SIDE ELEVATION VIEW**  
**UNI-DIRECTIONAL CONFIGURATION**  
**DETAILS**

## NOTES:

1. PEDESTRIAN PUSHBUTTON AND SIGN ASSEMBLY ~ MAY BE SEPARATE PARTS. USE 9" (IN) X 12" (IN) R10-25 SIGN IN ACCORDANCE WITH 2009 MUTCD. SIGN MAY INCLUDE INTEGRATED WARNING LIGHTS.
2. SEE STANDARD PLAN J-21.10 FOR SIGNAL STANDARD FOUNDATION WITH FIXED BASE AND SLIP BASE DETAILS.
3. SEE STANDARD PLAN J-21.16 FOR SIGNAL STANDARD DETAILS NOT SHOWN.
4. SEE STANDARD PLAN J-21.17, DETAIL C FOR WIRING DETAILS NOT SHOWN.
5. SEE STANDARD PLAN G-30.10 FOR SIGN INSTALLATION ON SIGNAL STANDARD DETAILS.
6. TERMINATE RRFB CONNECTIONS PER MANUFACTURER'S RECOMMENDATION.
7. CONTROL CABINET ENCLOSURE SHALL BE SIZED BY THE RRFB MANUFACTURER. THE CONTROL CABINET SHALL BE MANUFACTURED PER TERMINAL CABINET REQUIREMENTS OF STANDARD SPECIFICATION SECTION 9-29.25.

FILE NAME: WSF\Mukilteo\14W121\_FerryTermConst\CADD\JACOBS\14w121c12-56.dwg

PRINTED: 12:55:15 PM 12/14/2017	LAST PRINTED BY: ConradCS				FED.AID PROJ.NO.
SUBMITTAL DATE: 12/22/17					WA-2017-007-00
DESIGNED BY: C. CONRAD	12/14/2017				REGION NO. STATE
ENTERED BY: C. CONRAD	12/14/2017				10 WASH
CHECKED BY: M. PANICK	12/14/2017				JOB NUMBER
MAR PROJ ENGR: C. TORRES					18W121
DIR TERM ENGR: N. MCINTOSH					CONTRACT NO.
ASST SECRETARY: A. SCARTON					00*****
	REVISION	DATE	BY		



SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION

SIGN DETAILS

C12.56  
SHEET  
306  
OF  
1521  
SHEETS



## SITE FURNISHING SCHEDULE

	SYM	QTY	TYPE	SIZE/REMARKS
1 C13.30		9	LOG BENCH	SEE SPECS 8-05 AND 9-37
2 C13.31		8	BIKE RACK	SEE SPECS 8-05 AND 9-37
3 C13.31		5	TRASH RECEPTACLE	SEE SPECS 8-05 AND 9-37
↓		5	RECYCLE RECEPTACLE	SEE SPECS 8-05 AND 9-37
2 C13.30			SAW CUT CONTROL JOINT	SEE SPEC 8-14
↓			EXPANSION JOINT	SEE SPEC 8-14





## ABBREVIATIONS

#/NO	NUMBER	MAX	MAXIMUM
%	PERCENT	MIN	MINIMUM
C	CENTERLINE	QC	ON CENTER
CLR	CLEAR	QTY	QUANTITY
CONC	CONCRETE	SPEC(s)	SPECIFICATION(s)
CONSTR	CONSTRUCTION	SQ FT	SQUARE FOOT
DIAM	DIAMETER	SS	STAINLESS STEEL
DWG(s)	DRAWING(s)	SYM	SYMBOL
EXIST	EXISTING	TYP	TYPICAL

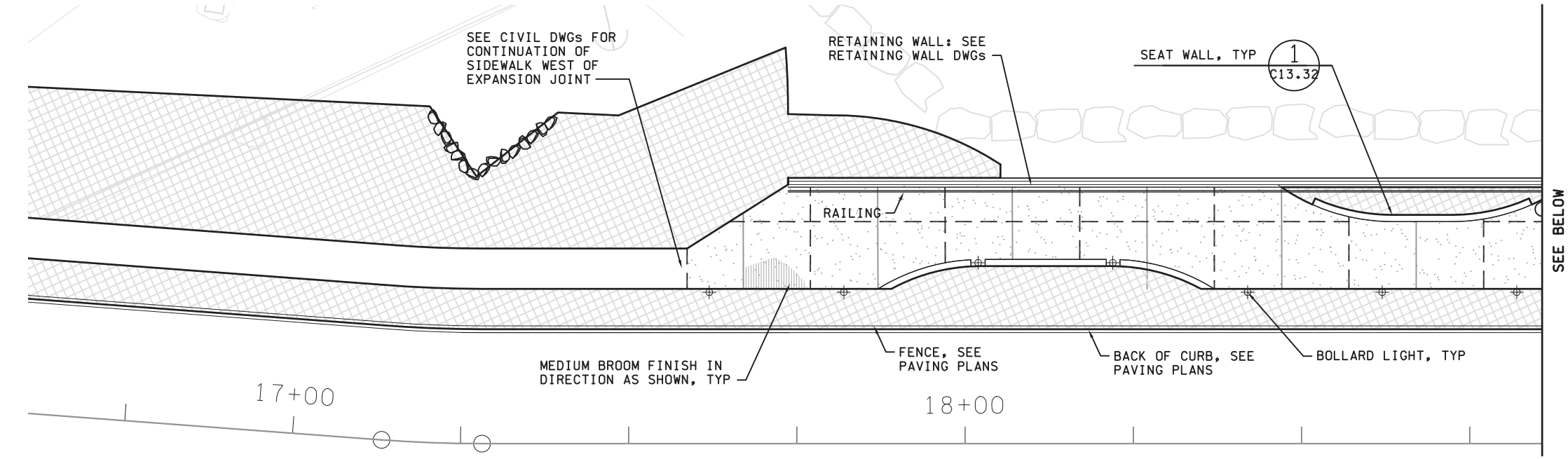
NOTES:

1. ANY DISCREPANCIES WITH THE DWGS AND/OR SPECS AND SITE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO PROCEEDING WITH CONSTR.
2. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING UTILITIES PRIOR TO BEGINNING CONSTR.
3. CONTRACTOR TO PROVIDE MOCK UP PANELS, SEE SPECS.
4. SEE SHEET C09.40 AND PLANTING PLANS FOR LOCATIONS OF DOG MITT STATIONS PER DETAIL 6, SHEET C09.62.

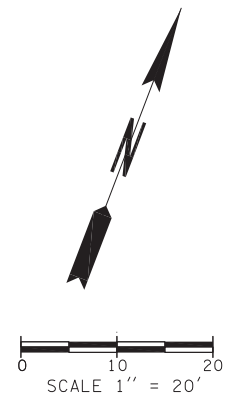
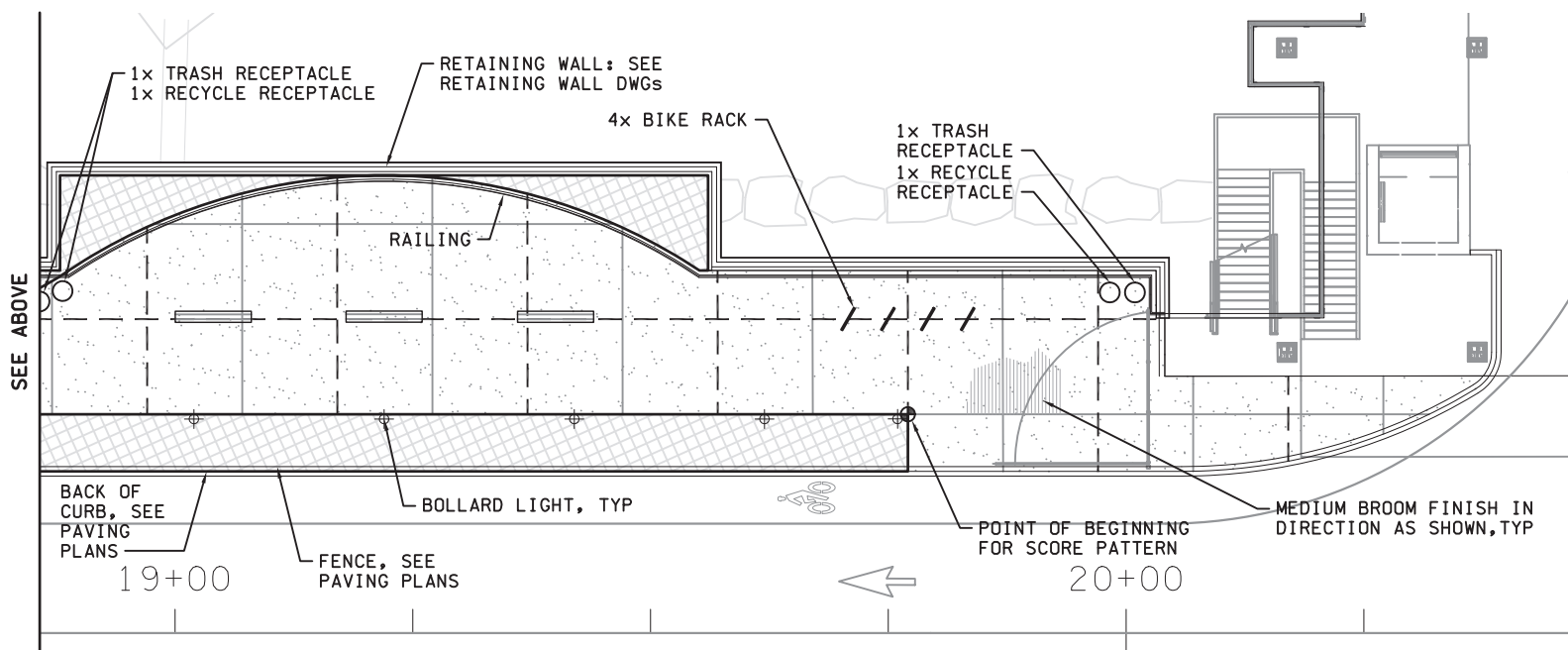
### LEGEND

	SYM	TYPE
		<u>DETAIL IDENTIFICATION</u>
		PLANTED AREAS, SEE PLANTING DWGs
		MEDIUM BROOM FINISH, SEE PAVING DWGs FOR SECTION
		BOLLARD LIGHT, SEE ILLUMINATION DWGs

[illegible]





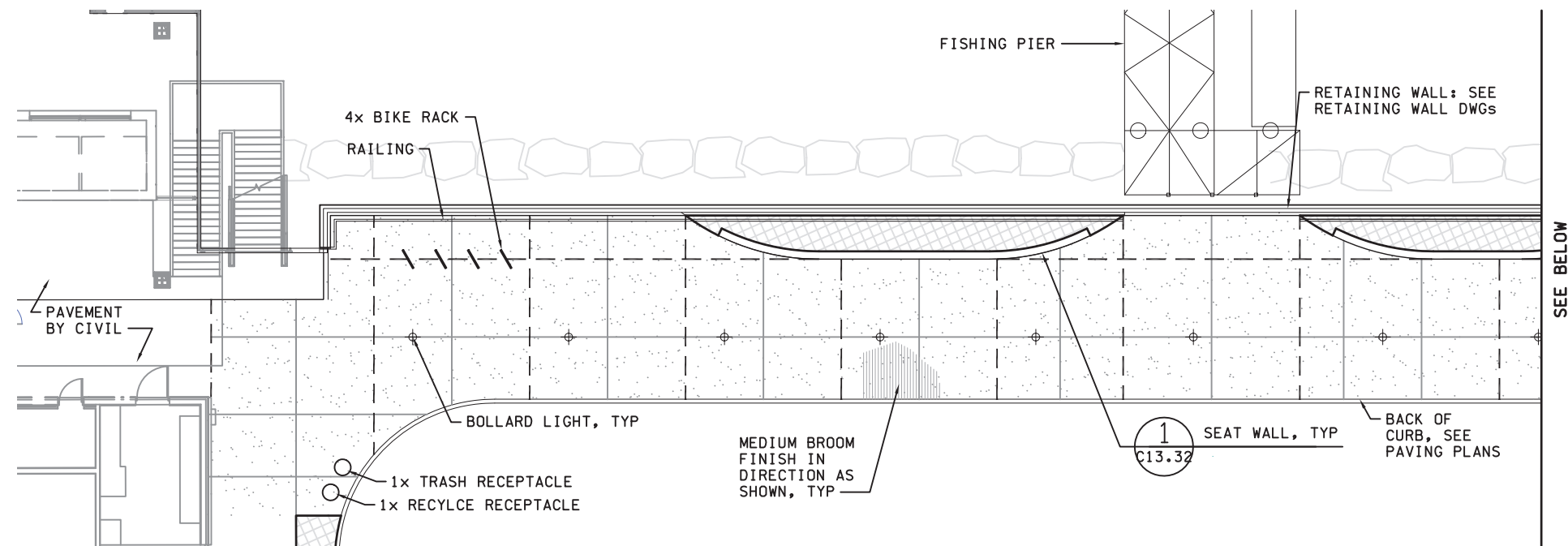
- NOTES:**
1. FOR PLANTING, SEE PLANTING PLANS, DWGS C09.40-C09.64.
  2. FOR LAYOUT AND DIMENSIONING OF URBAN DESIGN ELEMENTS, SEE URBAN DESIGN DIMENSIONING PLANS, SHEETS C13.20 THROUGH C13.22.



**1 PROMENADE ENLARGEMENT 1**  
C13.10 NOT TO SCALE

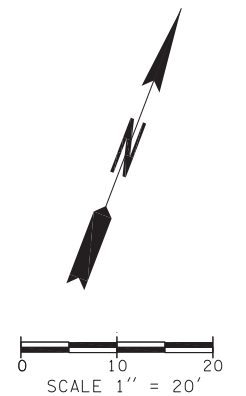
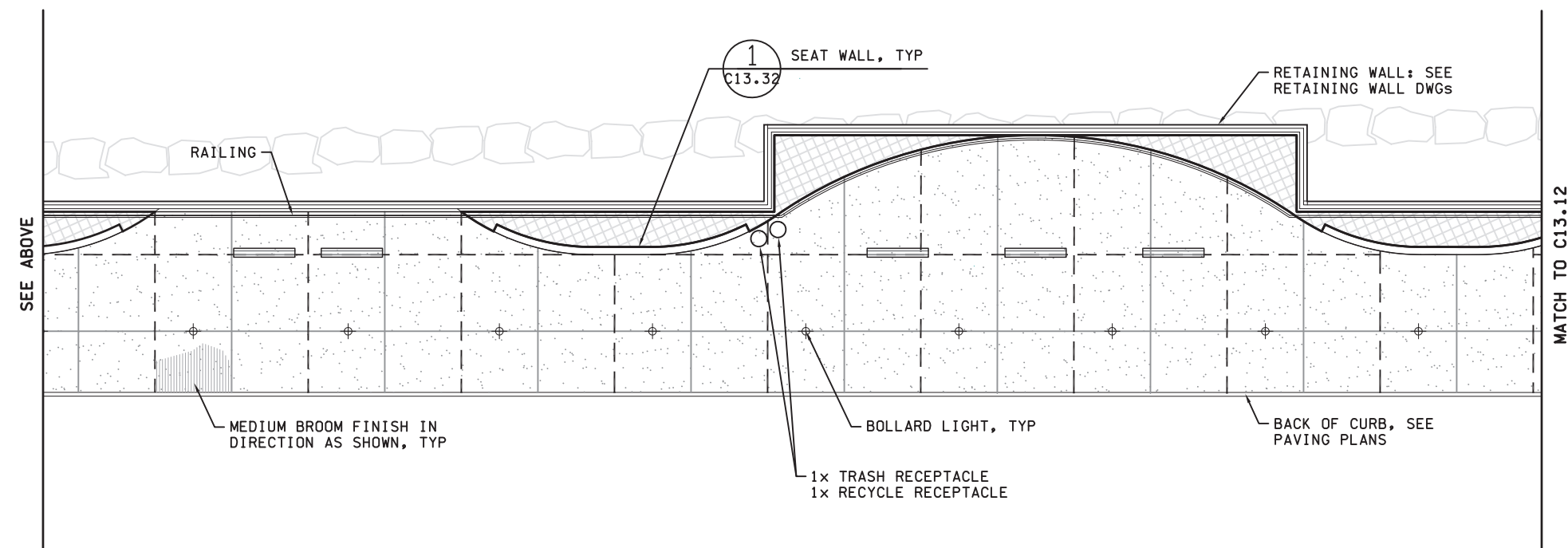


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PRINTED: 1:47:01 PM	9/20/2018	LAST PRINTED BY:									
SUBMITTAL DATE:	09/21/18	BHADDOX			FED.AID PROJ.NO.						
DESIGNED BY:	J. VONG	12/22/17			WA-2017-007-00						
ENTERED BY:	B. HADDOX	12/22/17			REGION NO. STATE						
CHECKED BY:	D. KOONTZ	12/22/17			10 WASH						
MAR PROJ ENGR:	C. TORRES				JOB NUMBER						
DIR TERM ENGR:	N. MCINTOSH				18W121						
ASST SECRETARY:	A. SCARTON				CONTRACT NO.						
			REVISION	DATE	BY	00****					



- NOTES:

1. FOR PLANTING, SEE PLANTING PLANS, DWGs C09.40-C09.64.
2. FOR LAYOUT AND DIMENSIONING OF URBAN DESIGN ELEMENTS, SEE URBAN DESIGN DIMENSIONING PLANS, SHEETS C13.20 THROUGH C13.22.



1 PROMENADE ENLARGEMENT 2  
C13.11 NOT TO SCALE



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SUBMITTAL DATE: 09/21/18			BHADDOX					WA-2017-007-0	
DESIGNED BY: J. VONG			12/22/17					REGION NO. STATE	
ENTERED BY: B. HADDOX			12/22/17					10	WASH
CHECKED BY: D. KOONTS			12/22/17					JOB NUMBER 18W121	
MAR PROJ ENGR: C. TORRES								CONTRACT NO. 00*****	
DIR TERM ENGR: N. MCINTOSH									
ASST SECRETARY: A. SCARTON									
					REVISION		DATE	BY	

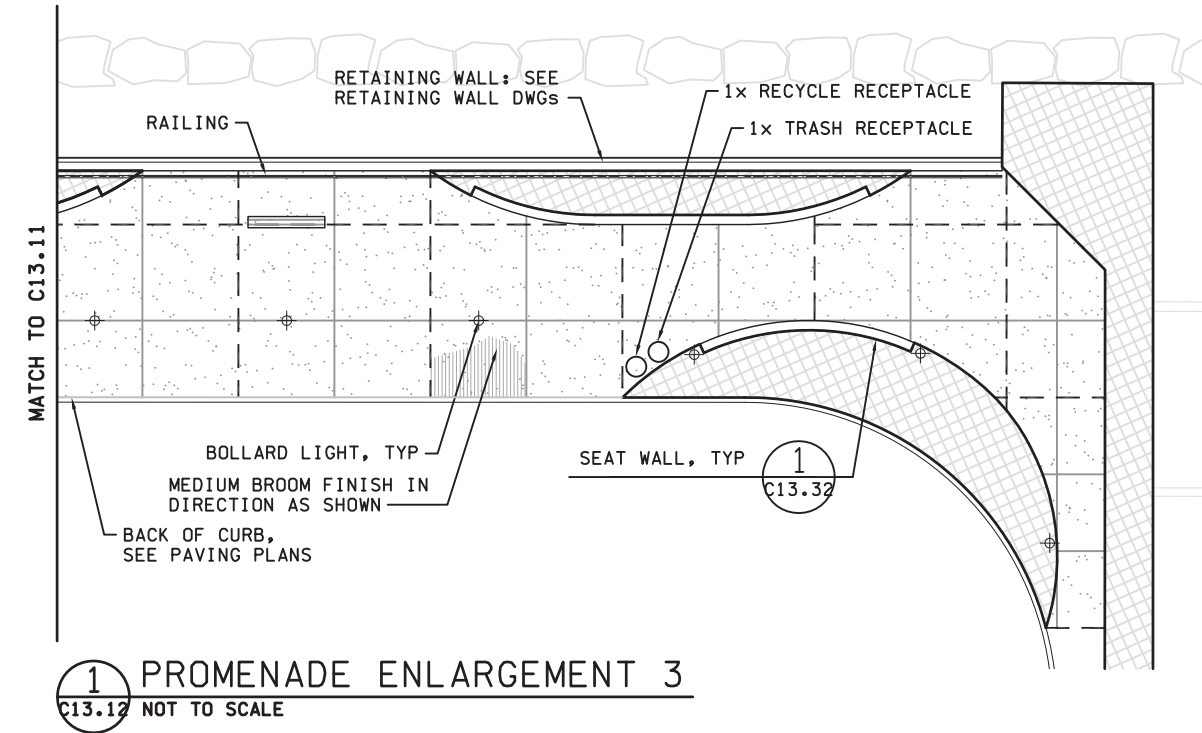


SR525	
MUKILTEO FERRY TERMINAL (PHASE 2)	
FERRY TERMINAL CONSTRUCTION	

URBAN DESIGN PLAN

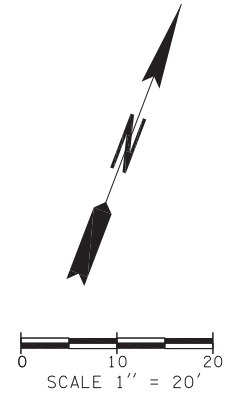
C13.11  
SHEET  
309  
OF  
1521  
SHEETS





NOTES:

1. FOR PLANTING, SEE PLANTING PLANS, DWGs C09.40-C09.64.
2. FOR LAYOUT AND DIMENSIONING OF URBAN DESIGN ELEMENTS, SEE URBAN DESIGN DIMENSIONING PLANS, SHEETS C13.20 THROUGH C13.22.



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DESIGNED BY:	J. VONG	12/22/17			REGION NO. STATE
ENTERED BY:	B. HADDOX	12/22/17			10 WASH
CHECKED BY:	D. KOONTS	12/22/17			JOB NUMBER
MAR PROJ ENGR:	C. TORRES				18W121
DIR TERM ENGR:	N. MCINTOSH				CONTRACT NO.
ASST SECRETARY:	A. SCARTON				00*****
		REVISION	DATE	BY	



SR525 MUKILTEO FERRY TERMINAL (PHASE 2) FERRY TERMINAL CONSTRUCTION	
URBAN DESIGN PLAN	

C13.12
SHEET
310
OF
1521
SHEETS



1 PROMENADE ENLARGEMENT 1  
C13.20 NOT TO SCALE



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DESIGNED BY: J. VONG			12/22/17						REGION NO. STATE
ENTERED BY: B. HADDOX			12/22/17						10 WASH
CHECKED BY: D. KOONTS			12/22/17						JOB NUMBER 18W121
MAR PROJ ENGR: C. TORRES									CONTRACT NO. 00****
DIR TERM ENGR: N. MCINTOSH									
ASST SECRETARY: A. SCARTON					REVISION		DATE BY		



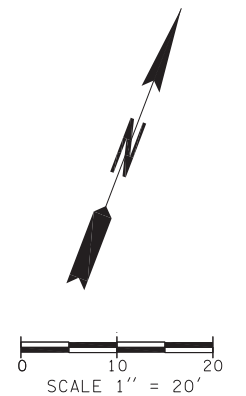
**Washington State  
Department of Transportation**  
WASHINGTON STATE FERRIES

SR525
MUKILTEO FERRY TERMINAL (PHASE 2)
FERRY TERMINAL CONSTRUCTION
URBAN DESIGN DIMENSIONING PLAN

C13.20

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SHEET  
311  
OF  
1521  
SHEETS



**HBB**  
LANDSCAPE ARCHITECTURE

215 WESTLAKE AVE. NORTH  
SEATTLE, WA 98109  
206.682.3051 phone  
206.682.3245 fax

FILE NAME: PW:\SF\Mukilteo\14W121_FERRYTERMCONST\CADD\HBB\14w121c13_21.dlv									
PRINTED: 1:48:02 PM 9/20/2018			LAST PRINTED BY:						FED.AID PROJ.NO.
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DESIGNED BY: J. VONG			12/22/17						REGION NO. STATE
ENTERED BY: B. HADDOX			12/22/17						10 WASH
CHECKED BY: D. KOONTS			12/22/17						JOB NUMBER 18W121
MAR PROJ ENGR: C. TORRES									CONTRACT NO. 00****
DIR TERM ENGR: N. MCINTOSH									
ASST SECRETARY: A. SCARTON					REVISION		DATE BY		



**Washington State  
Department of Transportation**  
WASHINGTON STATE FERRIES

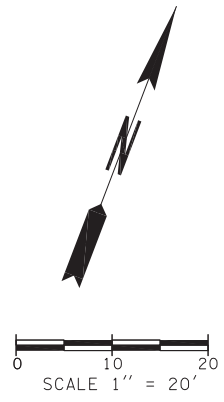
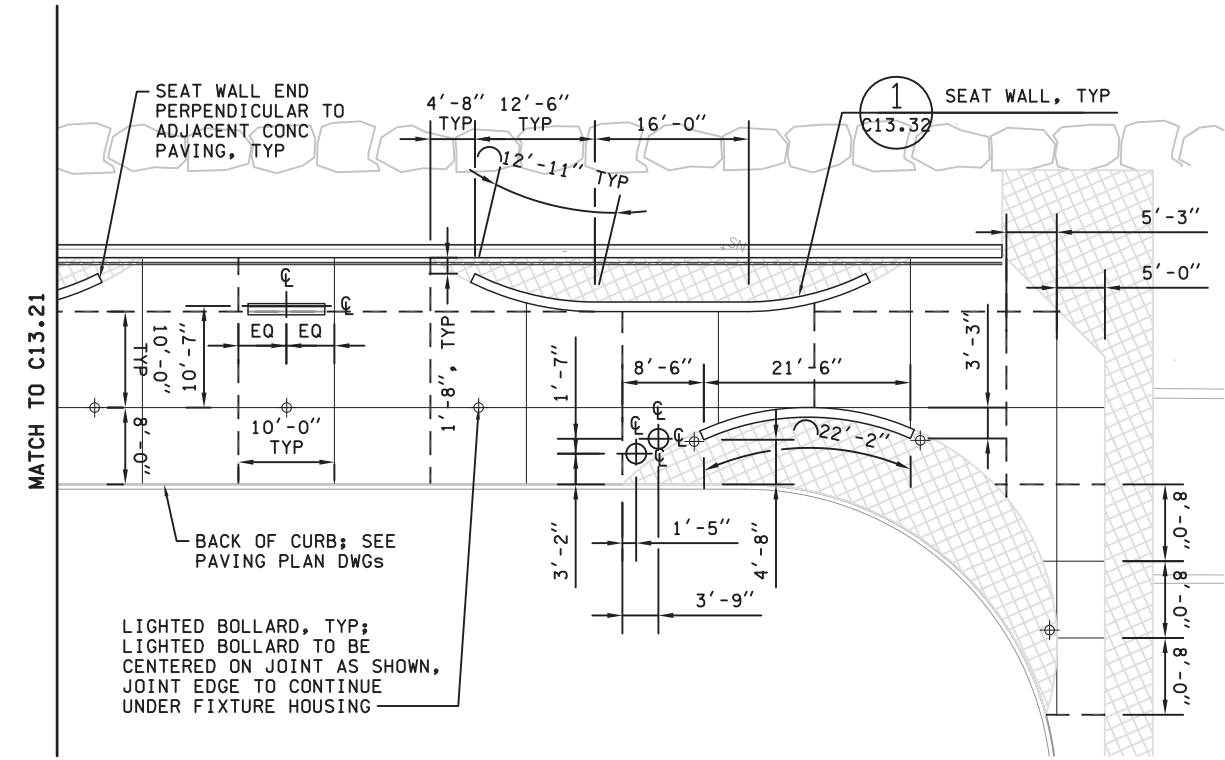
SR525 MUKILTEO FERRY TERMINAL (PHASE 2) FERRY TERMINAL CONSTRUCTION
URBAN DESIGN DIMENSIONING PLAN

C13.21

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SHEET  
312  
OF  
1521  
SHEETS







**NOTE:**

1. FOR URBAN DESIGN SITE FURNISHING SCHEDULE, LEGEND, NOTES, & ABBREVIATIONS, SEE SHEET C13.00. FOR URBAN DESIGN PLANS, SEE SHEETS C13.10-C13.12.


**1 PROMENADE ENLARGEMENT 3**  
**C13.12 NOT TO SCALE**

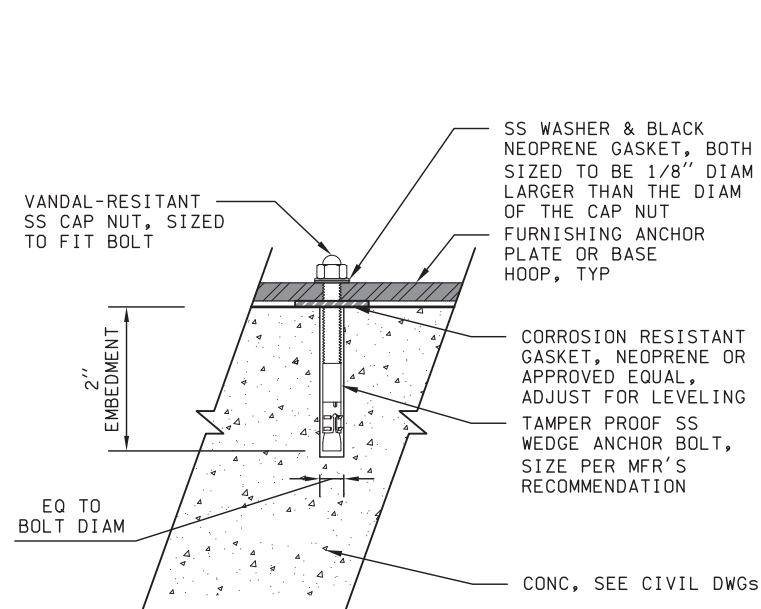


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SUBMITTAL DATE: 09/21/18		BHADDOX		FED.AID PROJ.NO.		FERRY TERMINAL CONSTRUCTION		SHEET			
DESIGNED BY: J. VONG		12/22/17		WA-2017-007-00		URBAN DESIGN DIMENSIONING PLAN		313			
ENTERED BY: B. HADDOX		12/22/17		REGION NO. STATE				OF			
CHECKED BY: D. KOONTS		12/22/17		10 WASH				1521			
MAR PROJ ENGR: C. TORRES				JOB NUMBER 18W121							
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		REVISION		DATE BY							



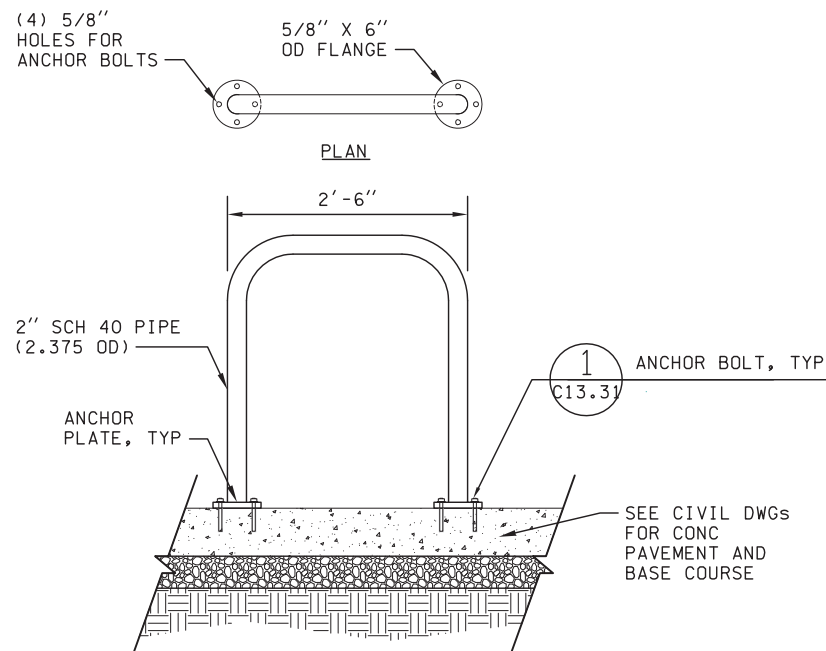


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PRINTED: 1:48:21 PM 9/20/2018		LAST PRINTED BY:				FED.AID PROJ.NO.																									
SUBMITTAL DATE: 09/21/18		BHADDOX						WA-2017-007-00								SHEET															
DESIGNED BY: J. VONG		12/22/17														314															
ENTERED BY: B. HADDOX		12/22/17						REGION NO. STATE								OF															
CHECKED BY: D. KOONTZ		12/22/17						10 WASH								1521															
MAR PROJ ENGR: C. TORRES								JOB NUMBER																							
DIR TERM ENGR: N. MCINTOSH								18W121																							
ASST SECRETARY: A. SCARTON				REVISION		DATE BY		CONTRACT NO.								SHEETS															
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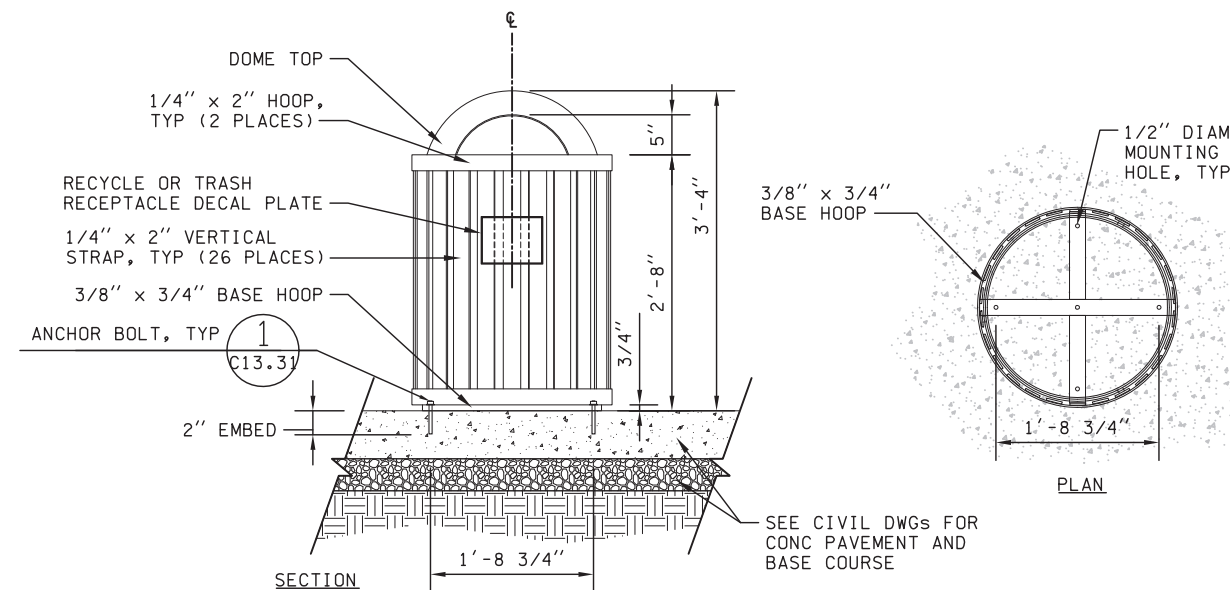
SECTION

**1** ANCHOR BOLT  
C13.31 NOT TO SCALE



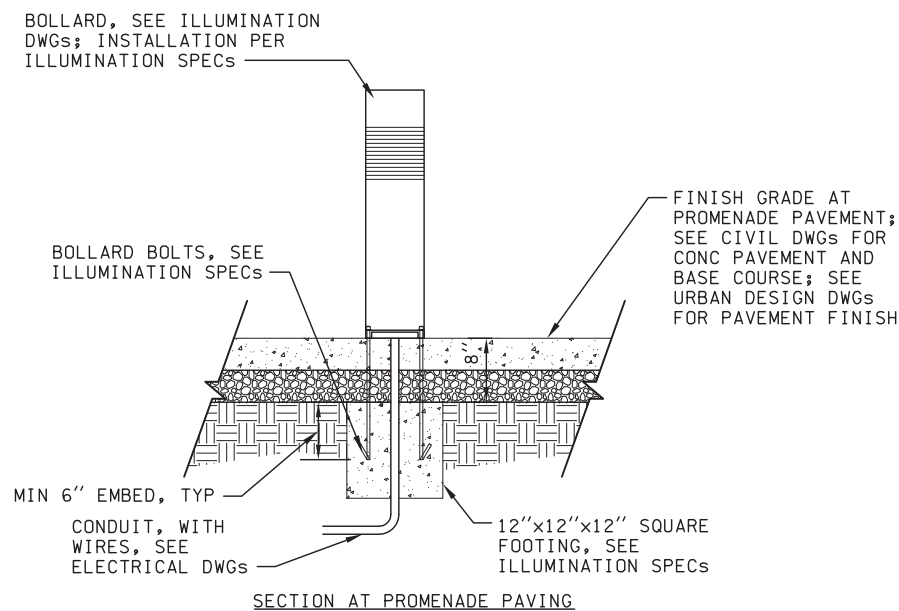
SECTION

**2** BIKE RACK  
C13.00 NOT TO SCALE



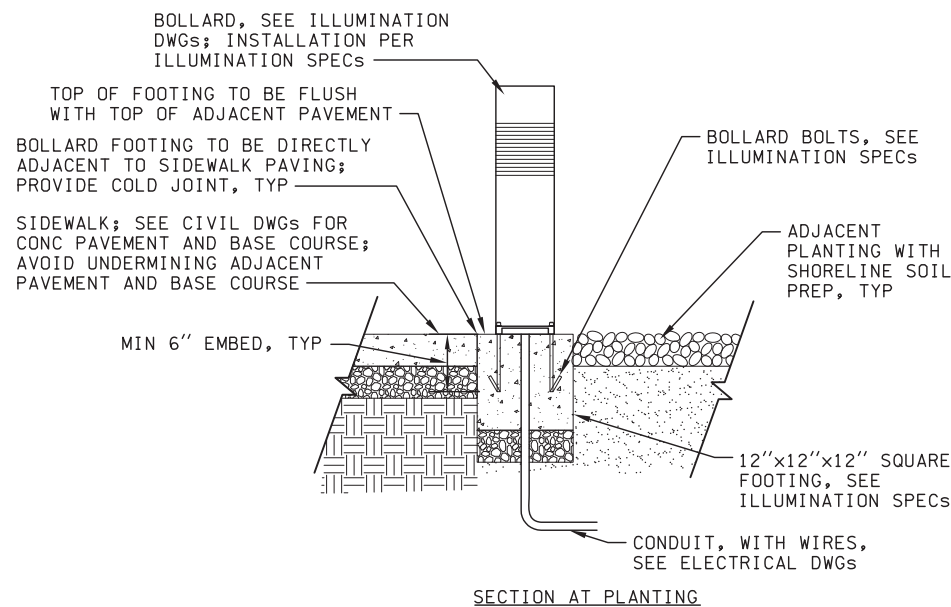
PLAN

**3** RECEPTACLE  
C13.00 NOT TO SCALE



SECTION AT PROMENADE PAVING

**4** LIGHTED BOLLARD  
C13.00 NOT TO SCALE



SECTION AT PLANTING

FILE NAME: PW:\WSF\Mukilteo\14W121_FERRYTERMCONST\CADD\HBB\14w121c13_41.dlv				
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DESIGNED BY:	J. VONG	12/22/17		REGION NO. STATE
ENTERED BY:	B. HADDOX	12/22/17		10 WASH
CHECKED BY:	D. KOONTS	12/22/17		JOB NUMBER
MAR PROJ ENGR:	C. TORRES			18W121
DIR TERM ENGR:	N. MCINTOSH			CONTRACT NO.
ASST SECRETARY:	A. SCARTON			00*****
	REVISION	DATE	BY	



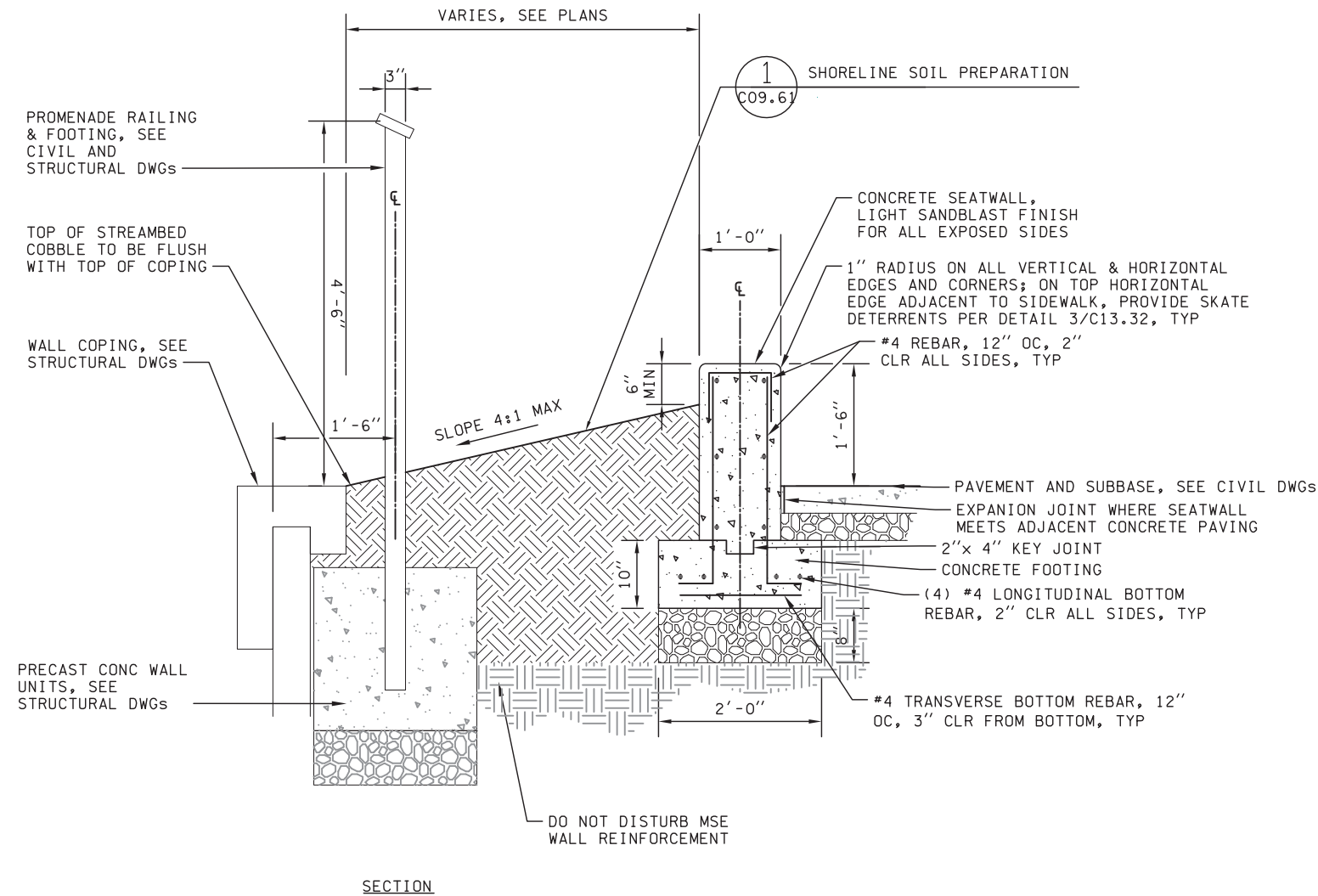
SR525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION  
URBAN DESIGN DETAILS

C13.31  
SHEET  
315  
OF  
1521  
SHEETS

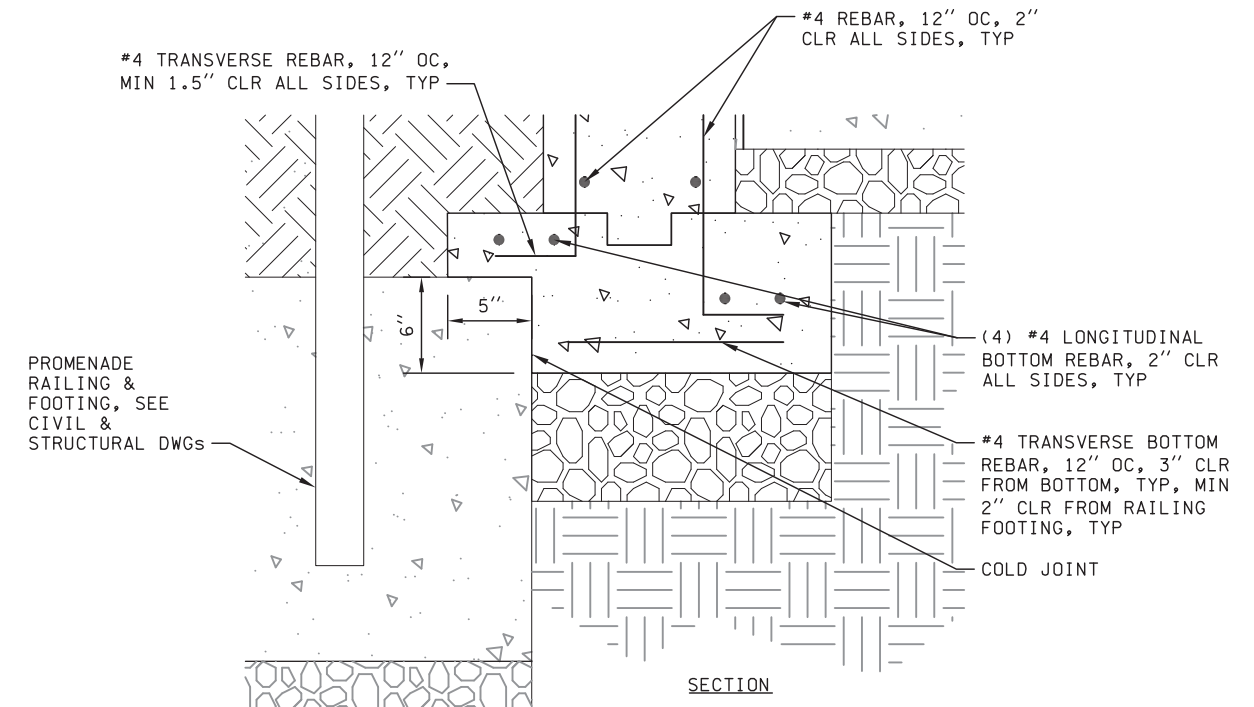


NOTES:

1. INSTALL SEAT WALL SUBBASE AND FOOTING AROUND PROMENADE RAILING FOOTING WITHOUT DISTURBING IT OR ITS SUBBASE WHERE PRESENT, SEE DETAIL 2 SHEET C13.42.
2. INSTALL PLANTING SOIL AND 3" STREAMBED COBBLE AT MAX 4:1 SLOPE.
3. WHERE SEATWALL FOOTING INTERSECTS WITH PROMENADE RAILING FOOTING, SEE DEATIL 2 SHEET C13.32.



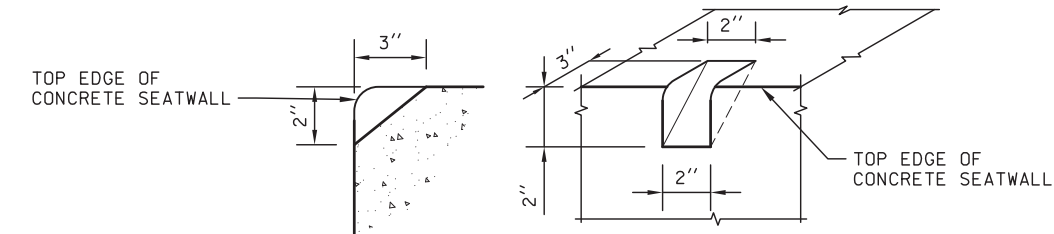
**1 SEAT WALL**  
C13.10 NOT TO SCALE  
C13.11  
C13.12  
C13.20  
C13.21  
C13.22



**2 SEAT WALL FOOTING AT RAILING**  
C13.32 NOT TO SCALE

NOTES:

1. FILL IN/PATCH ANY HOLES THAT APPEAR WITHIN SKATE DETERRENT NOTCH.
2. INSTALL NOTCHES ON ALL SIDES OF CONCRETE SEATWALLS.
3. SPACE NOTCHES MAX 3' OC UNLESS OTHERWISE NOTED ON DETAILS.



**3 SKATE DETERRENT**  
C13.32 NOT TO SCALE



FILE NAME: PW:\Mukilteo\14W121_FERRYTERMCONST\CADD\HBB\14w121c13_42.dlv							
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DESIGNED BY: J. VONG	12/22/17				REGION NO. STATE	10	WASH
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ASST SECRETARY: A. SCARTON		REVISION	DATE	BY			

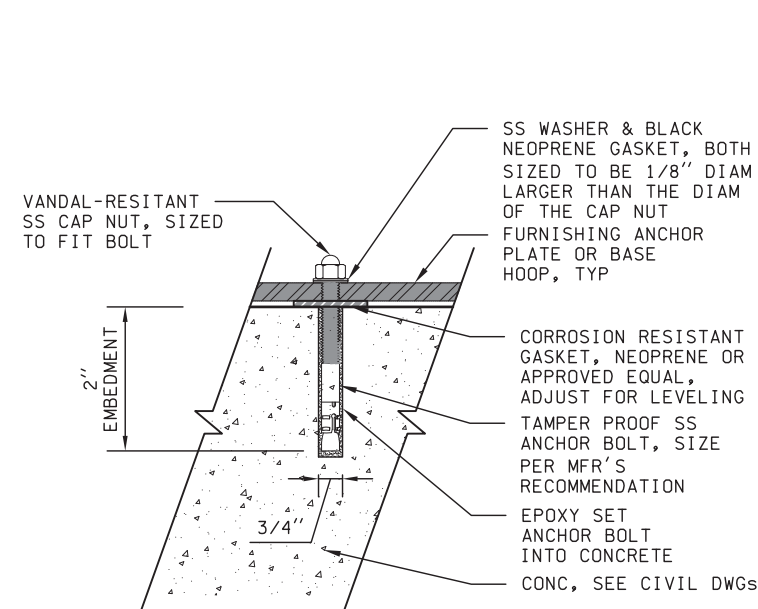


SR525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION  
URBAN DESIGN DETAILS

C13.32  
SHEET  
316  
OF  
1521  
SHEETS

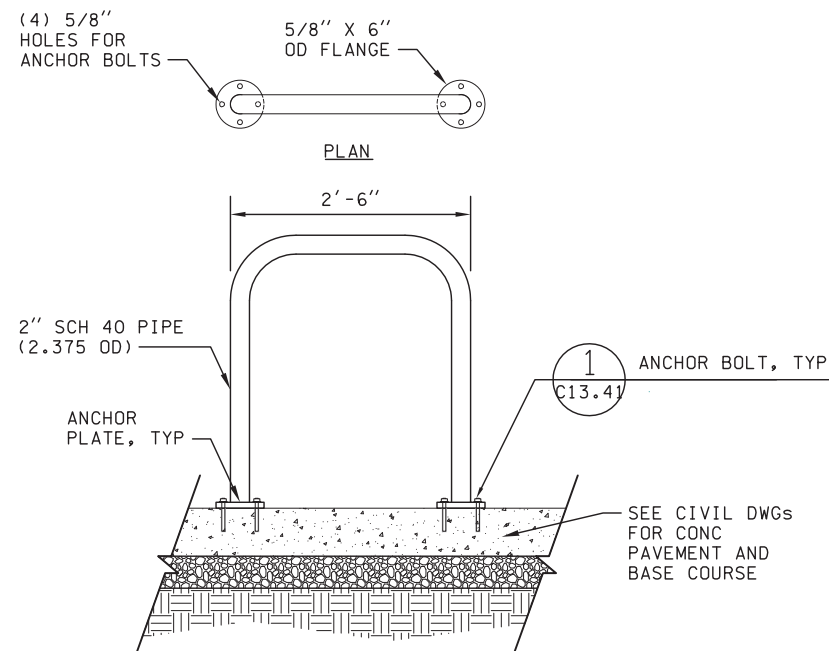
C13.40

SHEET  
317  
OF  
1521  
SHEETS



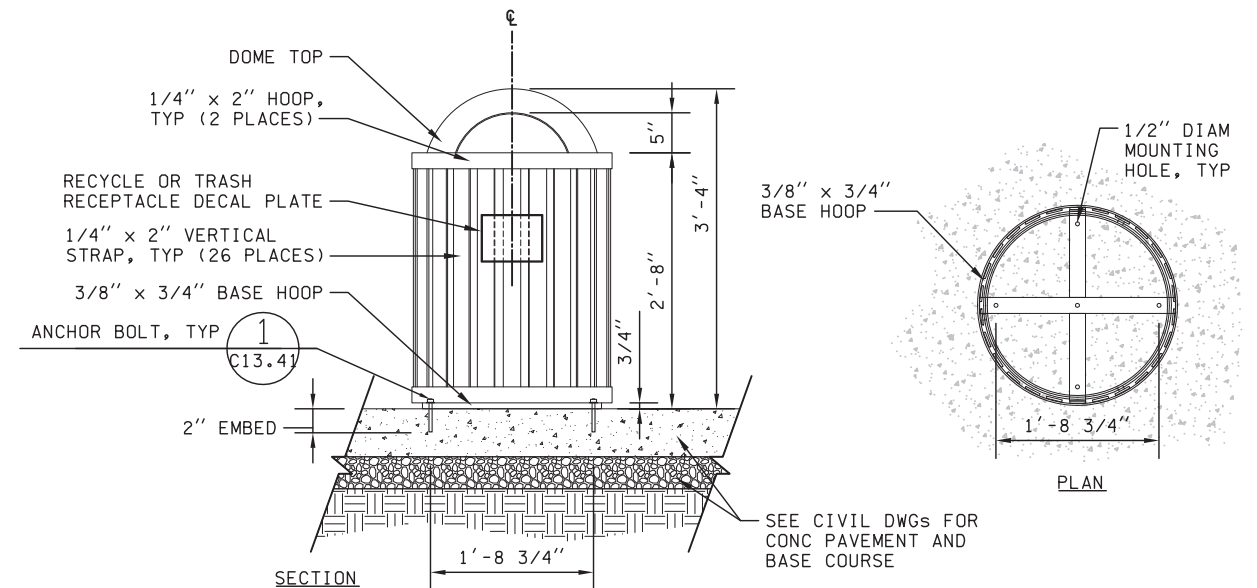
SECTION

**1 ANCHOR BOLT**  
C13.41 NOT TO SCALE



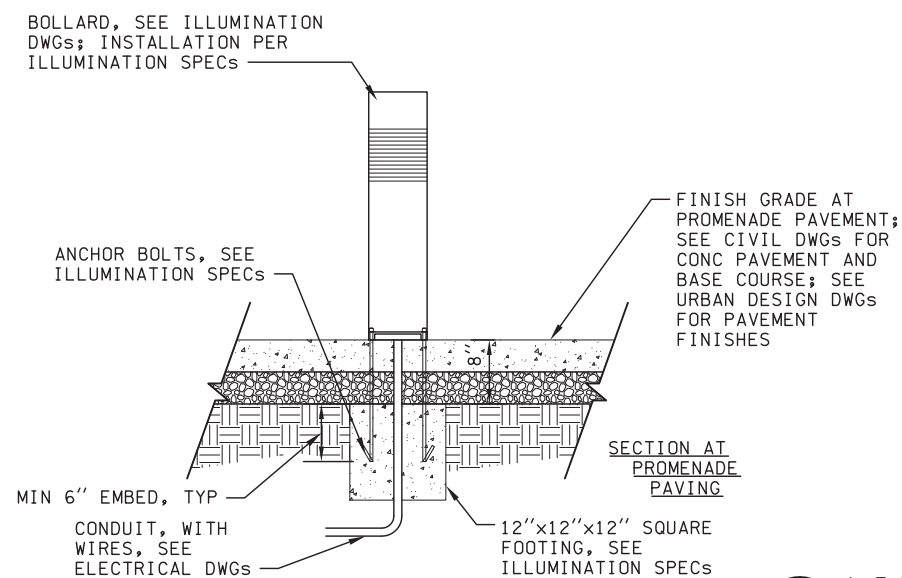
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**2 BIKE RACK**  
C13.41 NOT TO SCALE  
C13.11

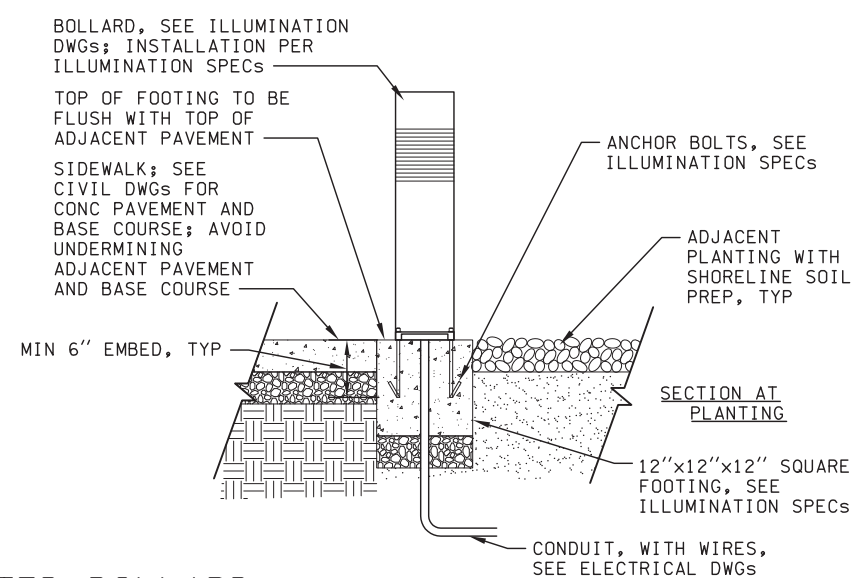


SECTION

**3 RECEPTACLE**  
C13.41 NOT TO SCALE  
C13.11



**4 LIGHTED BOLLARD**  
C13.41 NOT TO SCALE



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DESIGNED BY:	J. VONG	12/22/17		REGION NO. STATE
ENTERED BY:	B. HADDOX	12/22/17		10 WASH
CHECKED BY:	D. KOONTS	12/22/17		JOB NUMBER
MAR PROJ ENGR:	C. TORRES			18W121
DIR TERM ENGR:	N. MCINTOSH			CONTRACT NO.
ASST SECRETARY:	A. SCARTON			00*****
	REVISION	DATE	BY	



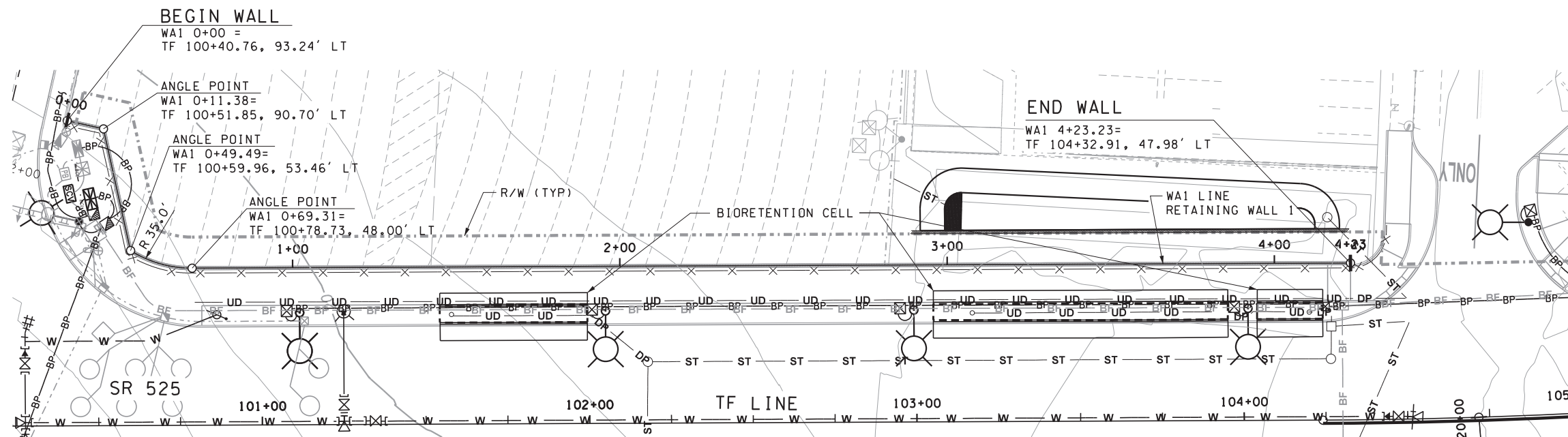
SR525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION

URBAN DESIGN DETAILS

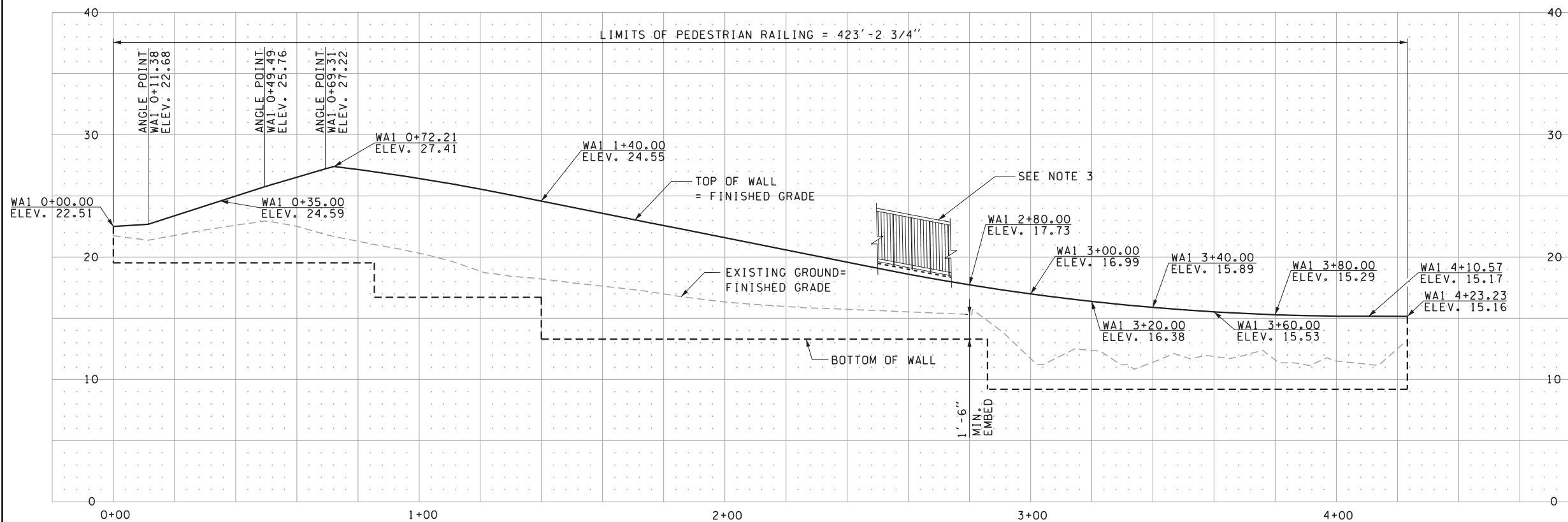
C13.41  
SHEET  
318  
OF  
1521  
SHEETS







RETAINING WALL 1 PLAN



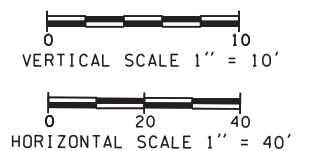
RETAINING WALL 1 PROFILE  
VIEW FROM FRONT FACE OF WALL  
(FACING SOUTH)

NOTES:

1. SEE SHEET C15.20 FOR GEOSYNTHETIC WALLS - TYPICAL SECTIONS.
2. MINIMUM WALL EMBEDMENT OF 1'-6\".
3. SEE SHEET C15.29 FOR PEDESTRIAN RAILING DETAILS.
4. SEE SHEET C15.30 FOR COPING DETAILS.

LEGEND

- UD — UNDERDRAIN PIPE
- ST — STORM SEWER
- W — WATER
- BC — BC BURIED COMMUNICATIONS
- BP—BP— BURIED POWER
- S — S — SANITARY SEWER
- X-X- PEDESTRIAN RAILING
- FIRE HYDRANT
- LUMINAIRE



FILE NAME: WSF\Mukilteo\14W121\_FerryTermConst\CADD\JACOBS\ 14w121c15-10.dwg

PRINTED: 12:25:58 PM 9/17/2018

SUBMITTAL DATE: 09/21/18

DESIGNED BY: K. BICHICH

ENTERED BY: D. PERRY

CHECKED BY: C. CALLAHAN

MAR PROJ ENGR: C. TORRES

DIR TERM ENGR: N. MCINTOSH

ASST SECRETARY: A. SCARTON

LAST PRINTED BY:

DonielJL

9/17/2018

9/17/2018

9/17/2018

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DATE

BY

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WA-2017-007-00

REGION NO. STATE

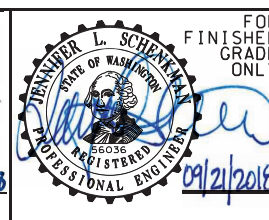
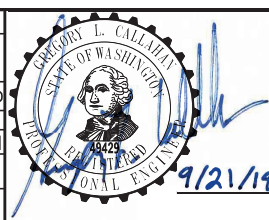
10 WASH

JOB NUMBER

18W121

CONTRACT NO.

00\*\*\*\*



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Washington State  
Department of Transportation  
WASHINGTON STATE FERRIES

SR 525

MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION

RETAINING WALL 1  
PLAN AND PROFILE

C15.10

SHEET

320

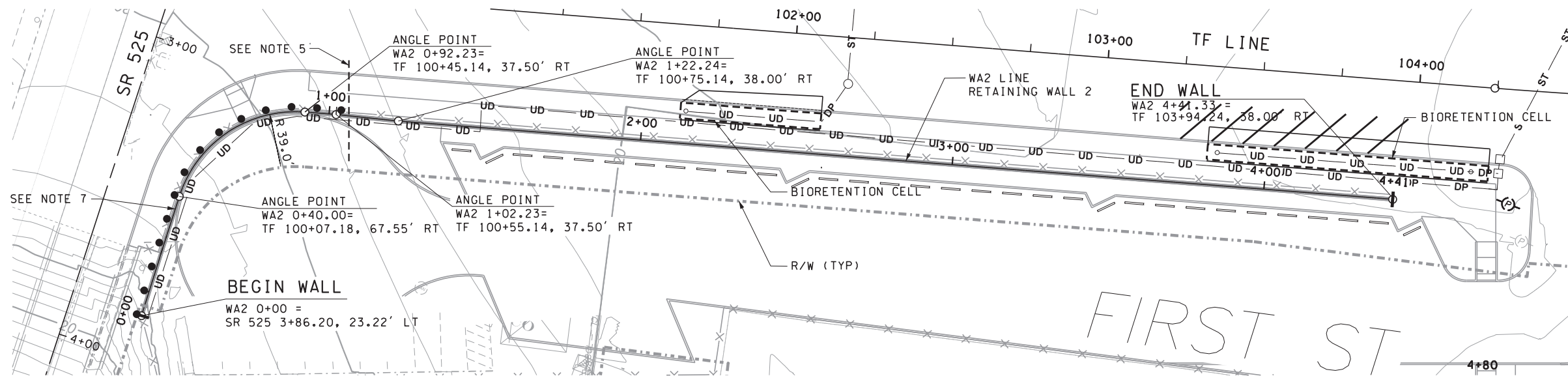
OF

1521

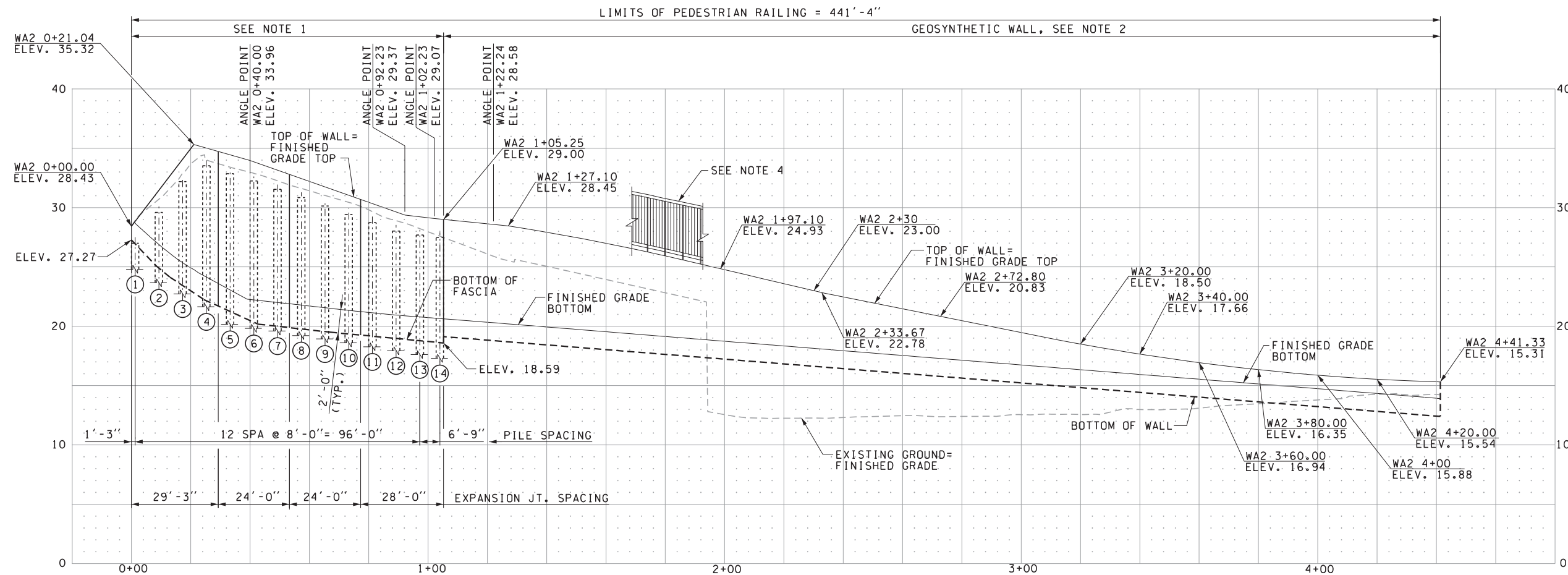
SHEETS

# GENERAL NOTES:

1. SEE SHEETS C15.23 AND C15.24 FOR SOLDIER PILE WALL DETAILS.
2. SEE SHEET C15.20 FOR GEOSYNTHETIC WALLS - TYPICAL SECTIONS.
3. MINIMUM SE WALL EMBEDMENT OF 1'-6".
4. SEE SHEET C15.29 FOR PEDESTRIAN RAILING DETAILS.
5. PROVIDE TEMPORARY SHORING BETWEEN WALL TYPES AS REQUIRED.
6. ⊗ - DENOTES SOLDIER PILE NO., SEE SOLDIER PILE SCHEDULE ON SHEET C15.23.
7. LIVE WATER MAIN SHALL BE BYPASSED PRIOR TO SOLDIER PILE WALL CONSTRUCTION. SEE SHEET C04.60.



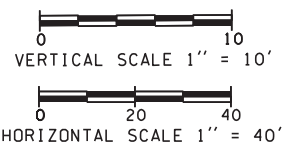
RETAINING WALL 2 PLAN



RETAINING WALL 2 PROFILE  
VIEW FROM FRONT OF WALL  
(FACING NORTH)

## LEGEND

- UD UNDERDRAIN PIPE
- ST STORM SEWER
- W WATER
- BC BC BURIED COMMUNICATIONS
- BP BURIED POWER
- S SANITARY SEWER
- PEDESTRIAN RAILING
- FIRE HYDRANT
- LUMINAIRE



FILE NAME: WSF\Mukilteo\14W121\_FerryTermConst\CADD\JACOBS\14w121c15-11.dwg

PRINTED: 12:35:14 PM 9/17/2018

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MAR PROJ ENGR: C. TORRES

DIR TERM ENGR: N. MCINTOSH

ASST SECRETARY: A. SCARTON

LAST PRINTED BY: DonielJL

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9/17/2018

9/17/2018

REVISION

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WA-2017-007-00

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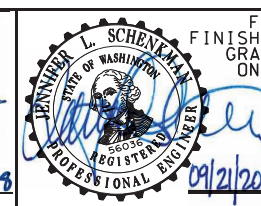
10 WASH

JOB NUMBER

18W121

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SR 525

MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION

RETAINING WALL 2  
PLAN AND PROFILE

C15.11

SHEET

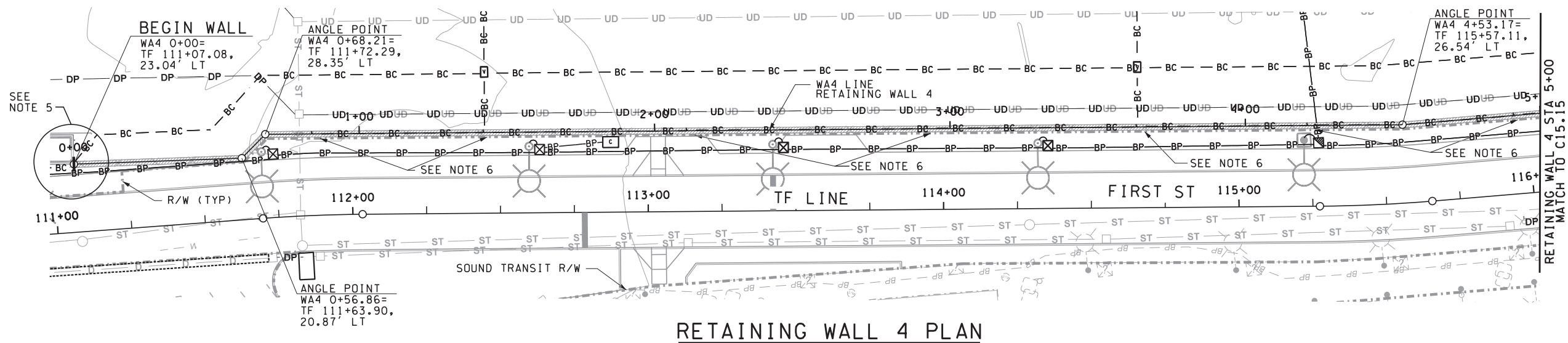
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OF

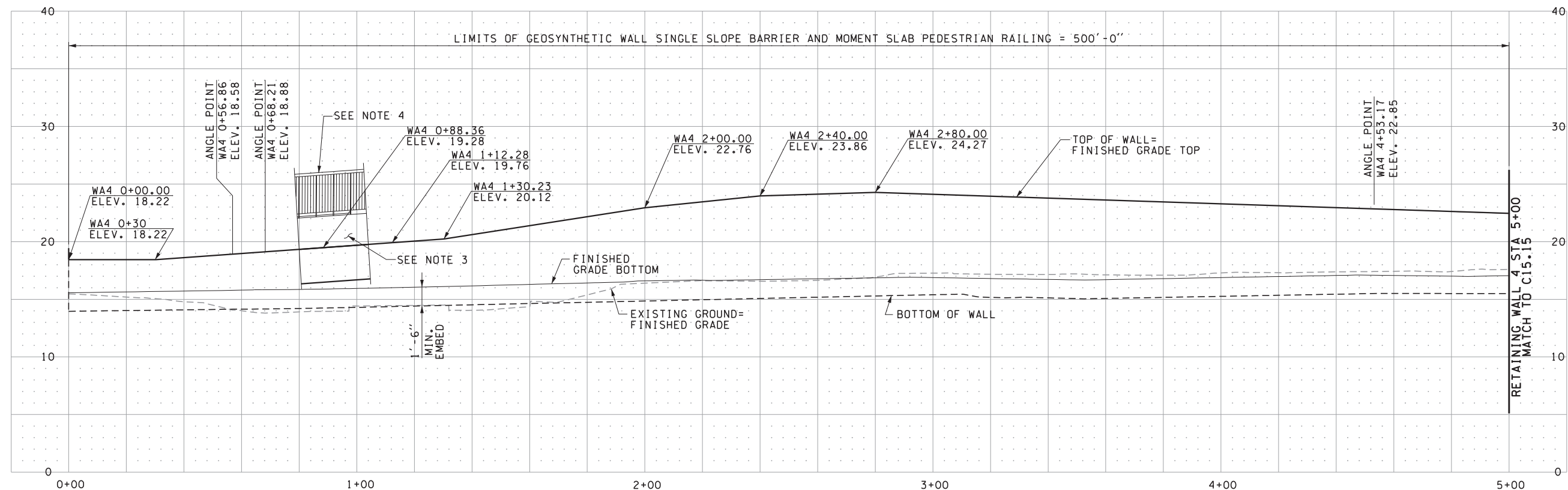
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SHEETS



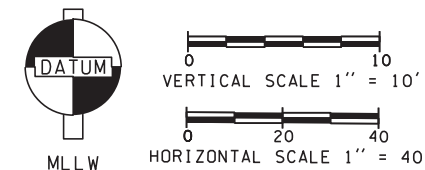





- NOTES:**
1. SEE SHEET C15.20 FOR GEOSYNTHETIC WALLS - TYPICAL SECTIONS.
  2. MINIMUM WALL EMBEDMENT OF 1'-6".
  3. SEE SHEETS C15.20 AND WSDOT STD. PLAN D-3.15-02 FOR GEOSYNTHETIC WALL SINGLE SLOPE BARRIER.
  4. SEE SHEET C15.27 FOR MOMENT SLAB PEDESTRIAN RAILING DETAILS.
  5. SEE SHEET C15.31 FOR WALL 4 TO EQUIPMENT BUILDING JOINT DETAILS.
  6. SEE SHEET C15.28 FOR COMMUNICATION POLE SUPPORT DETAILS.

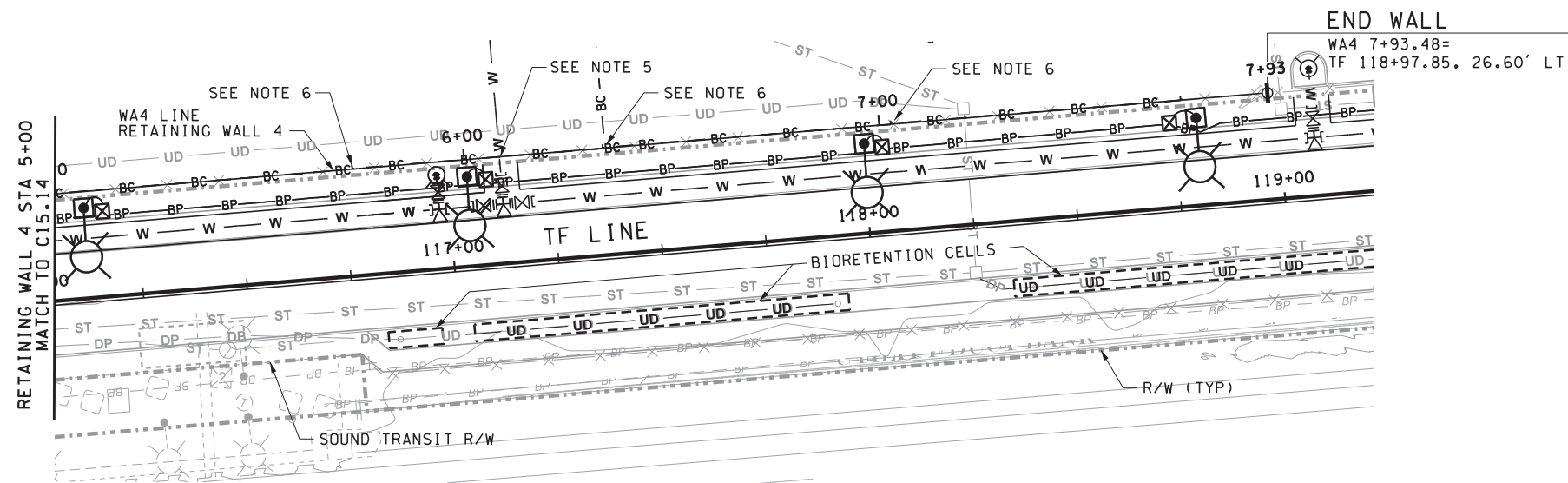


- LEGEND**
- UD UNDERDRAIN PIPE
  - ST STORM SEWER
  - W WATER
  - BC BURIED COMMUNICATIONS
  - BP BURIED POWER
  - S SANITARY SEWER
  - X PEDESTRIAN RAILING
  - FIRE HYDRANT
  - LUMINAIRE

**RETAINING WALL 4 PROFILE**  
VIEW FROM FRONT FACE OF WALL  
(FACING NORTH)



FILE NAME: WS\Mukilteo\14W121_FerryTermConst\CADD\JACOBS\ 14w121c15-14.dlv										JACOBS		SR 525		C15.14												
PRINTED: 12:29:27 PM 9/17/2018				LAST PRINTED BY:						FED.AID PROJ.NO.		SHEET 322 OF 1521 SHEETS														
SUBMITTAL DATE: 09/21/18				Doniel J						WA-2017-007-00																
DESIGNED BY: K. BICHICH				9/17/2018						REGION NO. STATE																
ENTERED BY: D. PERRY				9/17/2018						10 WASH																
CHECKED BY: G. CALLAHAN				9/17/2018						JOB NUMBER 18W121																
MAR PROJ ENGR: C. TORRES										CONTRACT NO. 00****																
DIR TERM ENGR: N. MCINTOSH																										
ASST SECRETARY: A. SCARTON						REVISION		DATE		BY																
																						Washington State Department of Transportation WASHINGTON STATE FERRIES		SR 525 MUKILTEO FERRY TERMINAL (PHASE 2) FERRY TERMINAL CONSTRUCTION		RETAINING WALL 4 PLAN AND PROFILE



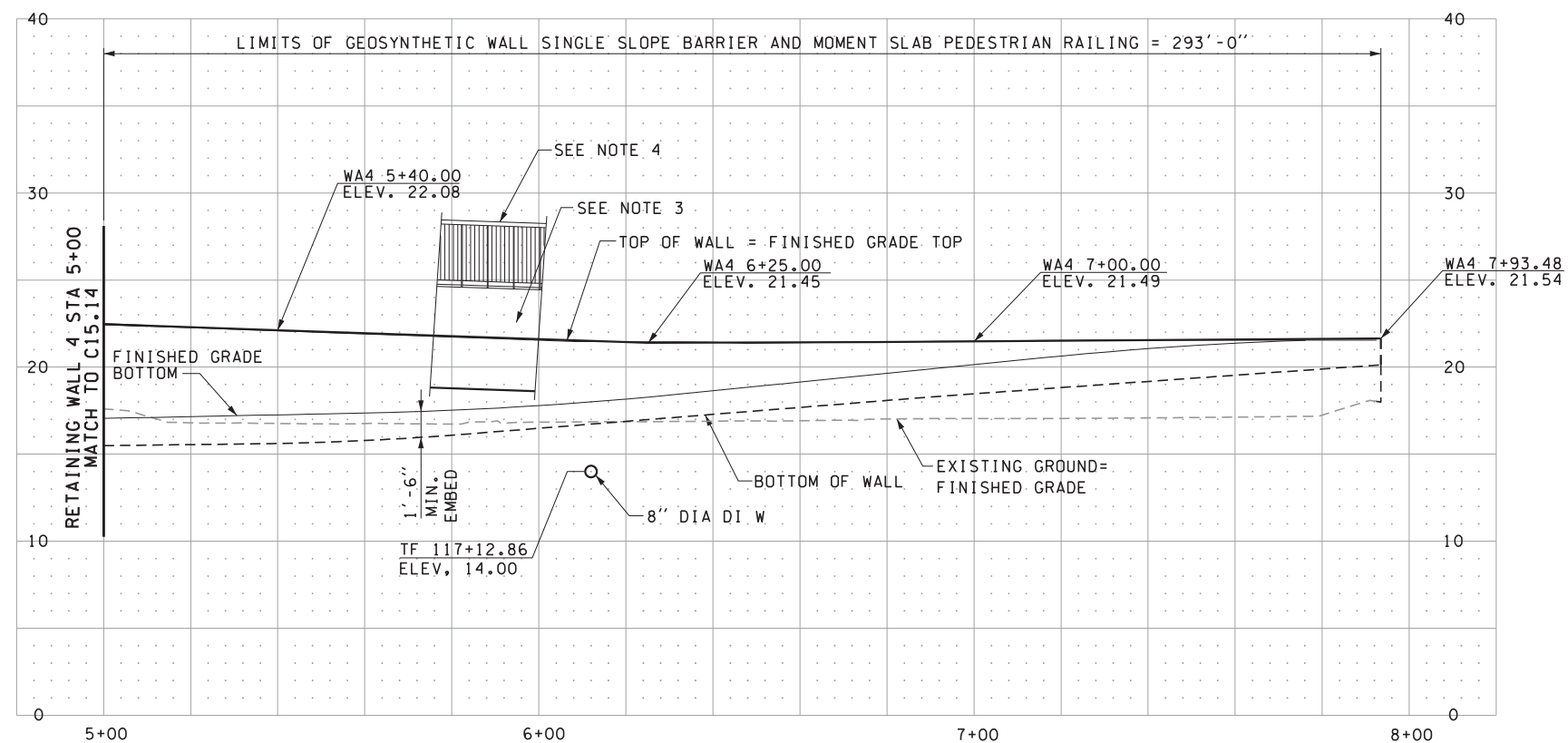
RETAINING WALL 4 PLAN

# NOTES:

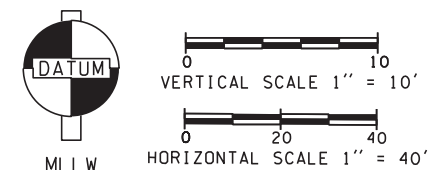
- SEE SHEET C15.20 FOR GEOSYNTHETIC WALLS TYPICAL SECTIONS.
- MINIMUM WALL EMBEDMENT OF 1'-6".
- SEE SHEETS C15.20 AND WSDOT STD. PLAN D-3.15-02 FOR GEOSYNTHETIC WALL SINGLE SLOPE BARRIER.
- SEE SHEET C15.27 FOR MOMENT SLAB PEDESTRIAN RAILING DETAILS.
- SEE WATER AND SANITARY SEWER DETAILS, SHEET C08.53.
- SEE SHEET C15.28 FOR WALL 4 - COMMUNICATIONS POLE SUPPORT DETAILS.

# LEGEND

- UD UNDERDRAIN PIPE
- ST STORM SEWER
- W WATER
- BC BC BURIED COMMUNICATIONS
- BP BURIED POWER
- S SANITARY SEWER
- PEDESTRIAN RAILING
- FIRE HYDRANT
- LUMINAIRE



RETAINING WALL 4 PROFILE  
VIEW FROM FRONT FACE OF WALL  
(FACING NORTH)



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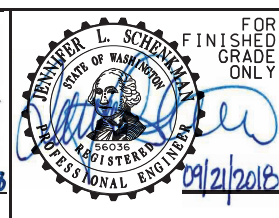
10 WASH

JOB NUMBER

18W121

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SR 525

MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION

RETAINING WALL 4 - CONTINUED  
PLAN AND PROFILE

C15.15

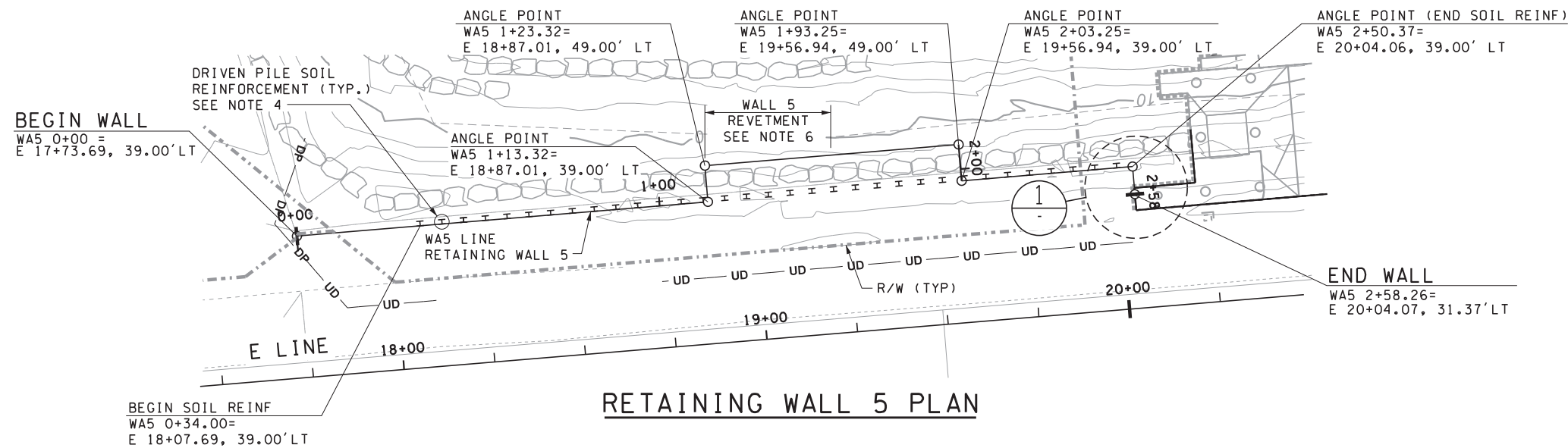
SHEET

323

OF

1521

SHEETS

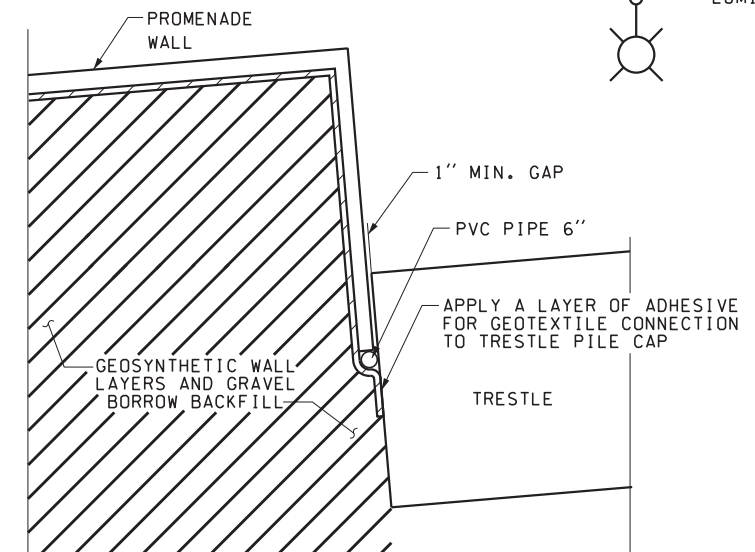
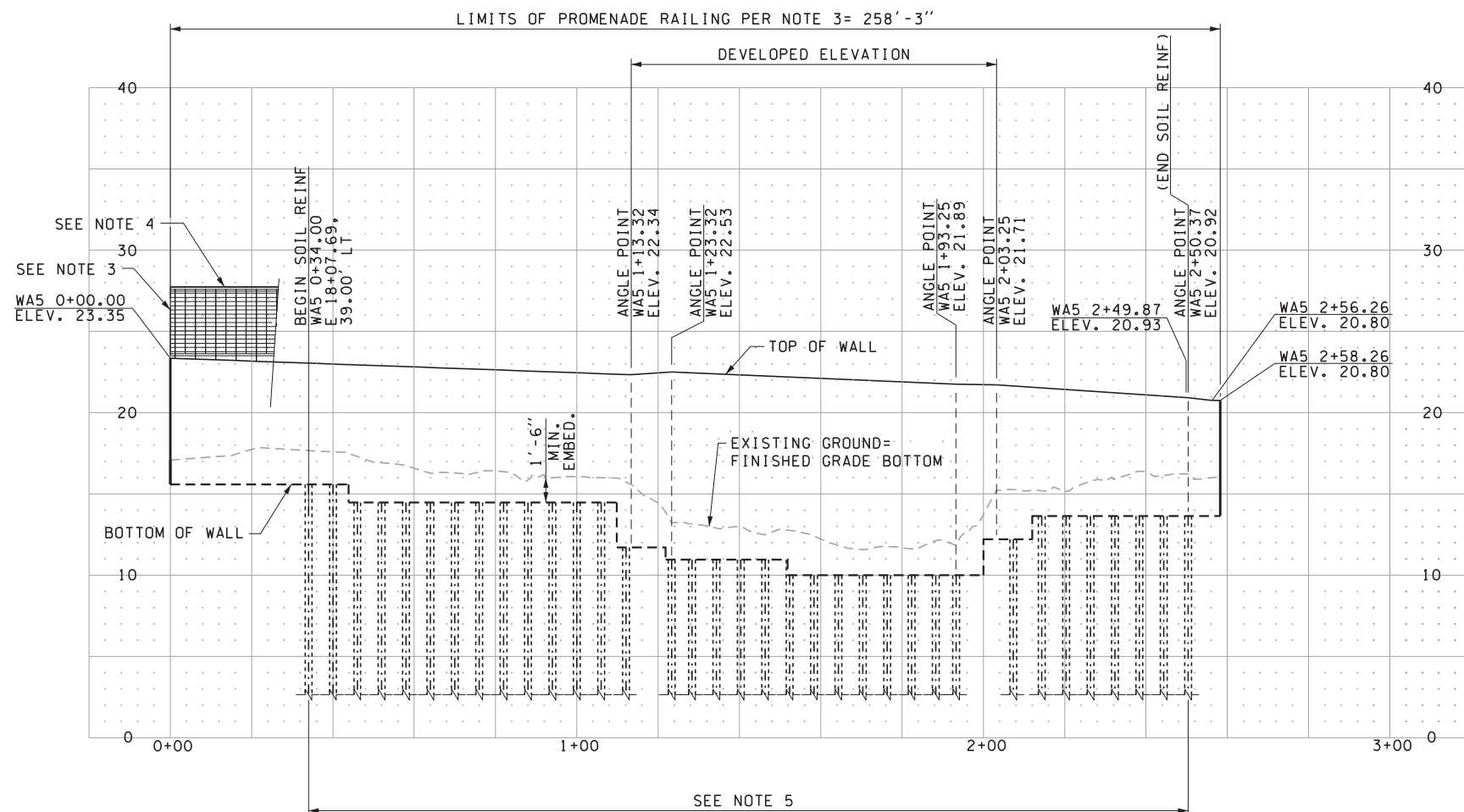


## NOTES:

1. SEE SHEET C15.21 FOR PROMENADE WALLS - TYPICAL SECTION.
2. MINIMUM WALL EMBEDMENT OF 1'-6".
3. SEE SHEET C15.32 FOR PROMENADE RAILING DETAILS. SEE SHEET C15.30 FOR RAILING POST WITH COPING DETAILS.
4. SEE SHEET C15.21 FOR DRIVEN PILE SOIL REINFORCEMENT DETAILS.
5. PILES SPACED AT 6'-0" MAXIMUM.
6. SEE SHEET C15.34 FOR WALL 5 OVERLOOK REVETMENT DETAILS.

## LEGEND

- UD — UNDERDRAIN PIPE
- ST — STORM SEWER
- W — WATER
- BC — BURIED COMMUNICATIONS
- BP- BP- BURIED POWER
- S — S — SANITARY SEWER
- X — X — PROMENADE RAILING
- FIRE HYDRANT
- LUMINAIRE



1 1  
- C15.19 OPPOSITE HAND

## RETAINING WALL 5 PROFILE VIEW FROM FRONT FACE OF WALL (FACING SOUTH)



0 10  
VERTICAL SCALE 1" = 10'  
0 20 40  
HORIZONTAL SCALE 1" = 40'

FILE NAME: WSF\Mukilteo\14W121\_FerryTermConst\CADD\JACOBS\14w121c15-16.dwg

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DIR TERM ENGR: N. MCINTOSH

ASST SECRETARY: A. SCARTON

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9/17/2018

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WA-2017-007-00

REGION NO. STATE

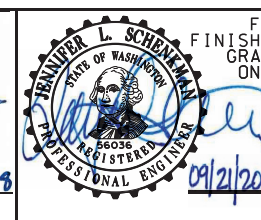
10 WASH

JOB NUMBER

18W121

CONTRACT NO.

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SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION  
RETAINING WALL 5  
PLAN AND PROFILE

C15.16

SHEET  
324  
OF  
1521  
SHEETS

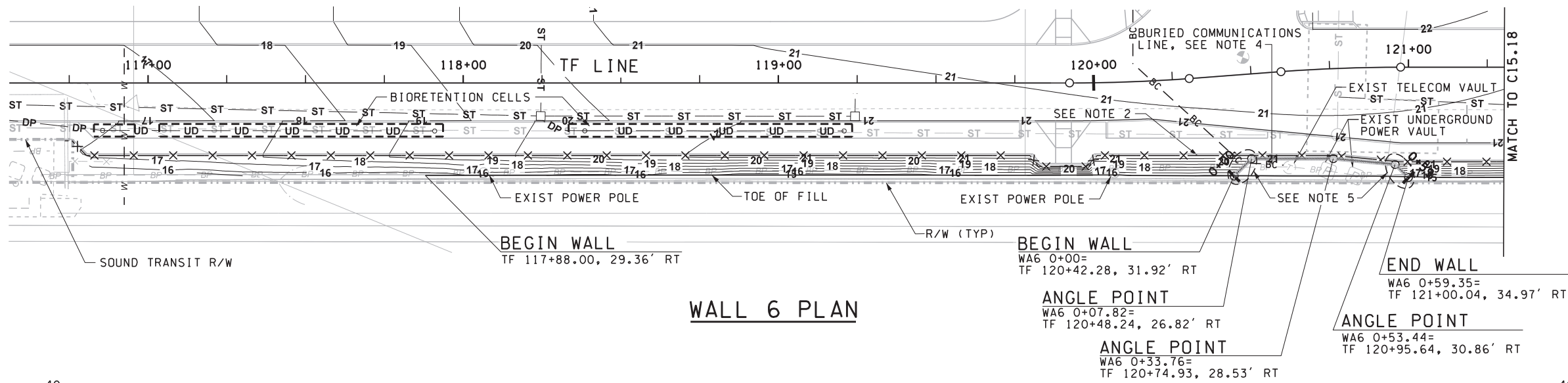


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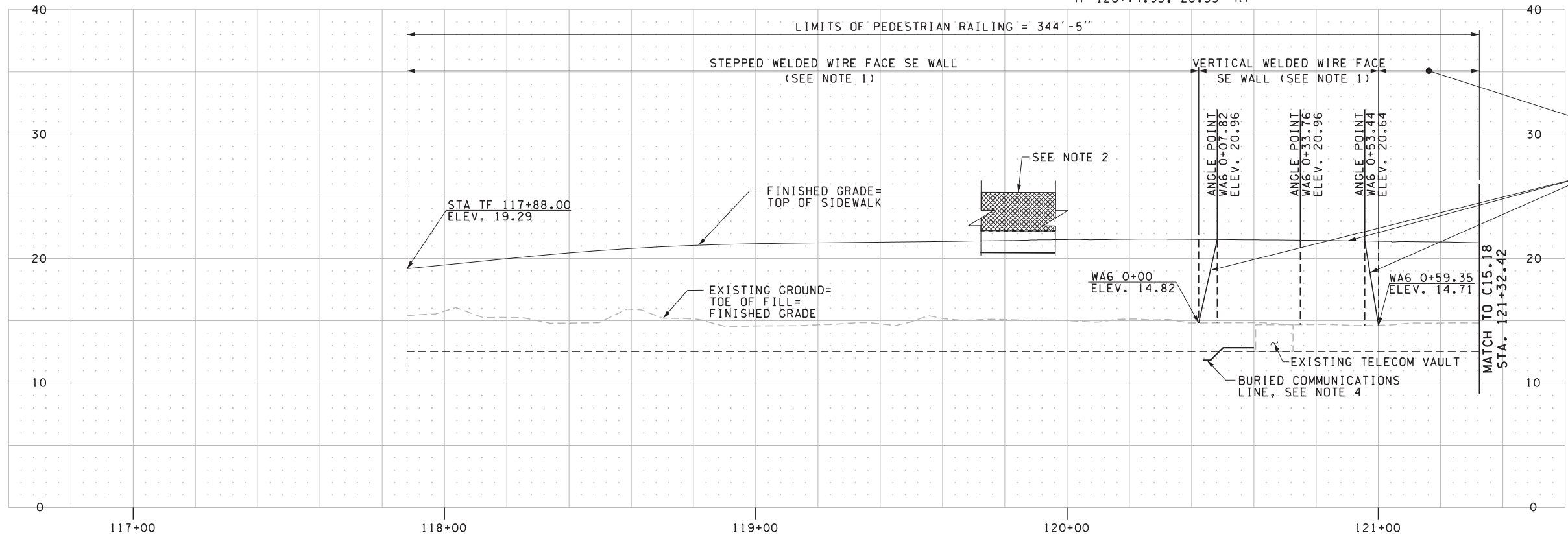
1. SEE DRAWING C15.22 FOR WELDED WIRE FACE SE WALL SECTIONS AND DETAILS.
2. SEE DRAWING C15.29 FOR PEDESTRIAN RAILING DETAILS.
3. MINIMUM EMBEDMENT OF 2'-0".
4. SEE SHEET ES12.14 FOR BURIED COMMUNICATIONS LINE DETAIL.
5. SEE DRAWING C15.22 FOR WELDED WIRE FACE SE WALL TYPICAL TRANSITIONS.

LEGEND

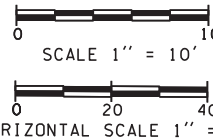
- UD — UNDERDRAIN PIPE  
— ST — STORM SEWER  
— W — WATER  
— BC — BC BURIED COMMUNICATIONS  
— BP — BP BURIED POWER  
— S — S — SANITARY SEWER  
— X — X — PEDESTRIAN RAILING  
 FIRE HYDRANT  
 LUMINAIRE



WALL 6 PLAN



WALL 6 PROFILE  
VIEW FROM FRONT FACE OF WALL  
(FACING NORTH)



FILE NAME: WSF\Mukilteo\14W121\_FerryTermConst\CADD\JACOBS\14w121c15-17.dwg

PRINTED: 8:45:59 AM 8/22/2018

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DIR TERM ENGR: N. MCINTOSH

ASST SECRETARY: A. SCARTON

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8/22/2018

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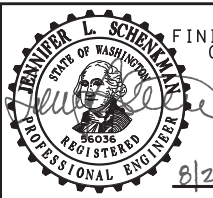
10 WASH

JOB NUMBER

18W121

CONTRACT NO.

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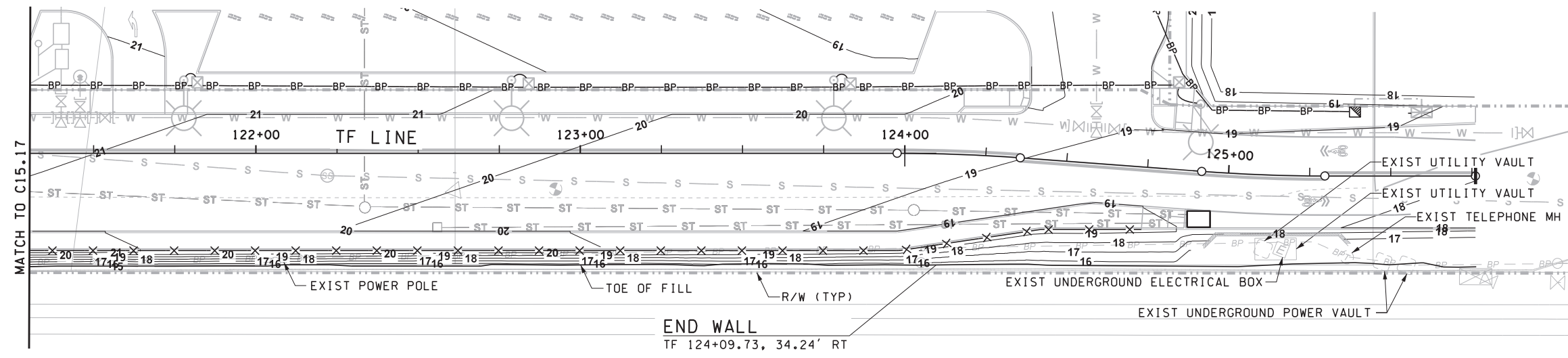
Washington State  
Department of Transportation  
WASHINGTON STATE FERRIES

SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION

WALL 6  
PLAN AND PROFILE

C15.17

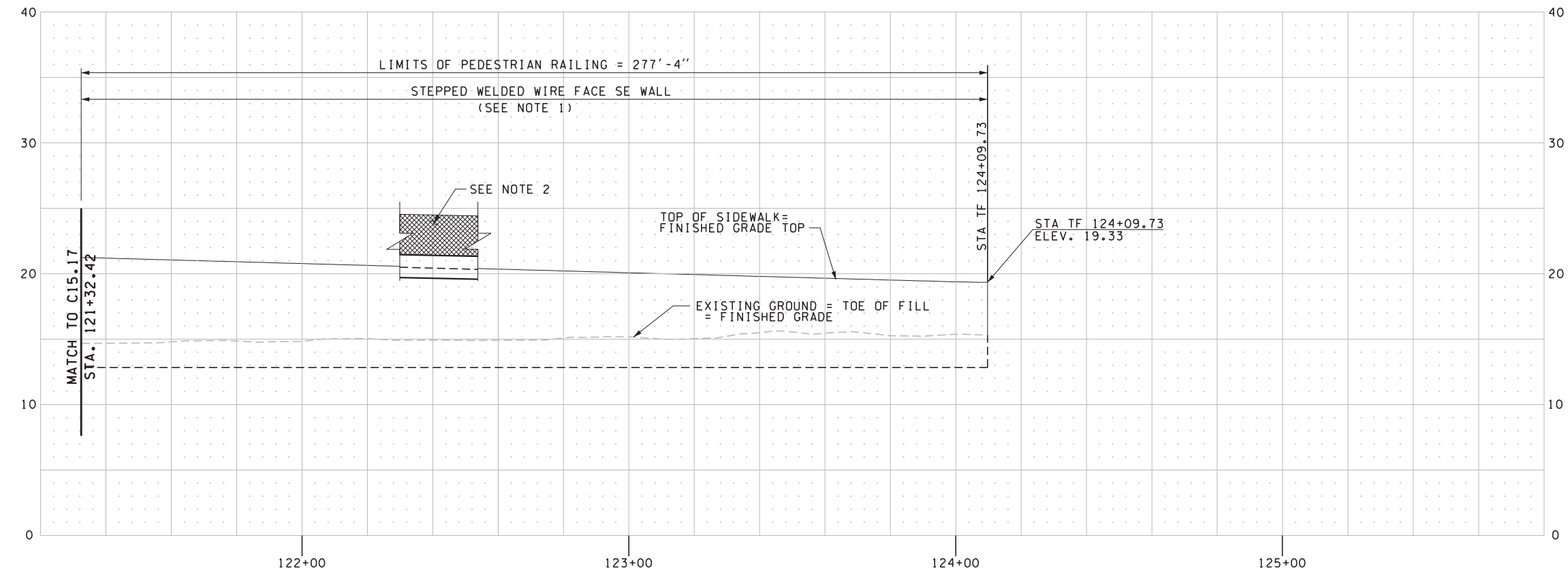
SHEET  
325  
OF  
1521  
SHEETS



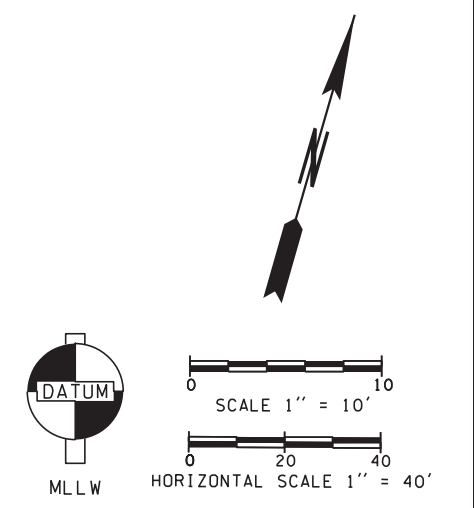
WALL 6 PLAN

- NOTES:
1. SEE DRAWING C15.22 FOR WELDED WIRE FACE SE WALL SECTIONS AND DETAILS.
  2. SEE DRAWING C15.29 FOR PEDESTRIAN RAILING DETAILS.
  3. MINIMUM EMBEDMENT OF 2'-0".

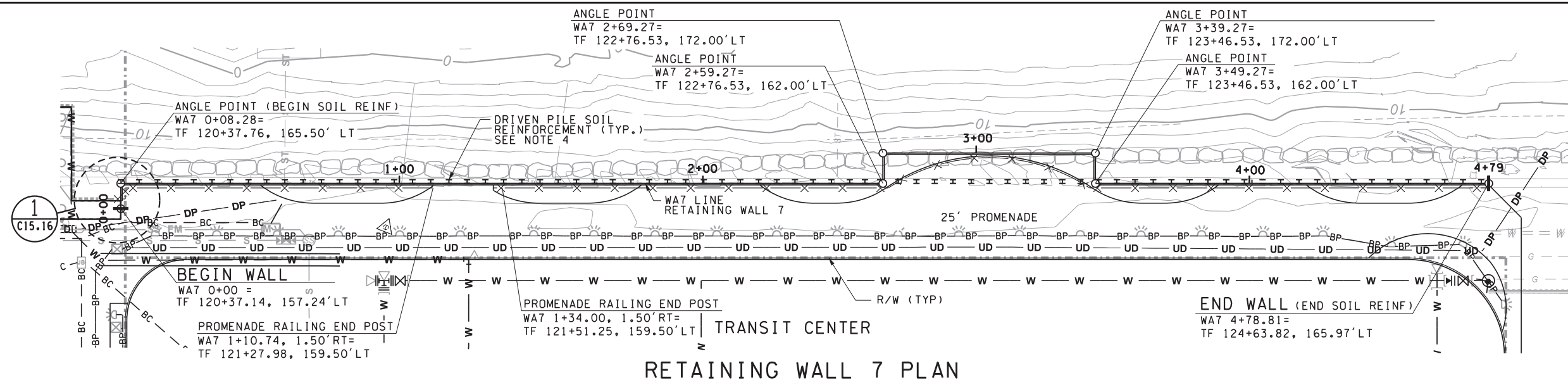
- LEGEND
- UD — UNDERDRAIN PIPE
  - ST — STORM SEWER
  - W — WATER
  - BC — BC BURIED COMMUNICATIONS
  - BP — BP BURIED POWER
  - S — S — SANITARY SEWER
  - X — X — PEDESTRIAN RAILING
  - Fire Hydrant — FIRE HYDRANT
  - Luminaire — LUMINAIRE



WALL 6 PROFILE  
VIEW FROM FRONT FACE OF WALL  
(FACING NORTH)



FILE NAME: WS\Mukilteo\14W121_FerryTermConst\CADD\JACOBS\14w121c15-18.dwg					SR 525					C15.18		
PRINTED: 8:46:06 AM 8/22/2018		LAST PRINTED BY:				FED.AID PROJ.NO.		MUKILTEO FERRY TERMINAL (PHASE 2) FERRY TERMINAL CONSTRUCTION				
SUBMITTAL DATE: 08/23/18		Contractor				WA-2017-007-00						
DESIGNED BY: K. BICHICH		8/22/2018				REGION NO. STATE		WALL 6 - CONTINUED PLAN AND PROFILE				
ENTERED BY: D. PERRY		8/22/2018				10 WASH						
CHECKED BY: G. CALLAHAN		8/22/2018				JOB NUMBER 18W121		Washington State Department of Transportation WASHINGTON STATE FERRIES				
MAR PROJ ENGR: C. TORRES						CONTRACT NO. 00****						
DIR TERM ENGR: N. MCINTOSH								SHEET 326 OF 1521 SHEETS				
ASST SECRETARY: A. SCARTON												
		REVISION		DATE		BY						

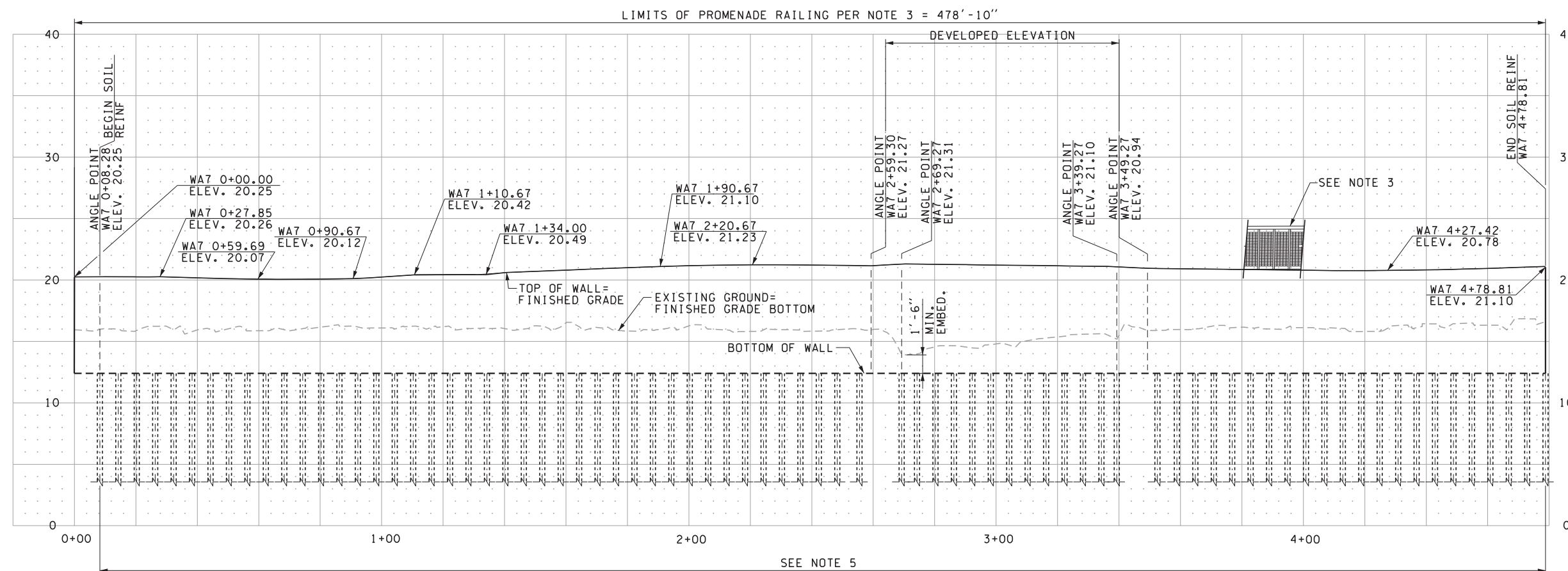


# NOTES:

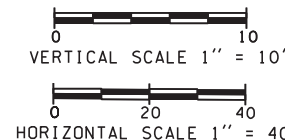
- SEE SHEET C15.21 FOR PROMENADE WALLS - TYPICAL SECTION.
- MINIMUM WALL EMBEDMENT OF 1'-6".
- SEE SHEET C15.32 FOR PROMENADE RAILING DETAILS. SEE SHEET C15.30 FOR RAILING POST WITH COPING DETAIL.
- SEE SHEET C15.21 FOR DRIVEN PILE SOIL REINFORCEMENT DETAILS.
- PILES SPACED AT 6'-0" MAXIMUM.
- CL OF PROMENADE RAILING END POST SHALL ALIGN WITH CL OF FISHING PIER END POST PER FISHING PIER DRAWINGS. CONTACT ENGINEER FOR GUIDANCE IF POSTS WILL NOT ALIGN. VERIFY PRIOR TO CONSTRUCTING RAILING.

# LEGEND

- UD UNDERDRAIN PIPE
- ST STORM SEWER
- W WATER
- BC BC BURIED COMMUNICATIONS
- BP BURIED POWER
- S SANITARY SEWER
- PROMENADE RAILING
- FIRE HYDRANT
- LUMINAIRE



## RETAINING WALL 7 PROFILE VIEW FROM FRONT FACE OF WALL (FACING SOUTH)



FILE NAME: WS\Mukilteo\14W121\_FerryTermConst\CADD\JACOBS\14w121c15-19.dwg

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DIR TERM ENGR: N. MCINTOSH

ASST SECRETARY: A. SCARTON

LAST PRINTED BY: DonielJL

9/17/2018

9/17/2018

9/17/2018

REVISION

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BY

FED.AID PROJ.NO.

WA-2017-007-00

REGION NO. STATE

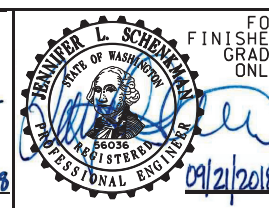
10 WASH

JOB NUMBER

18W121

CONTRACT NO.

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Washington State  
Department of Transportation  
WASHINGTON STATE FERRIES

SR 525

MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION

RETAINING WALL 7  
PLAN AND PROFILE

C15.19

SHEET

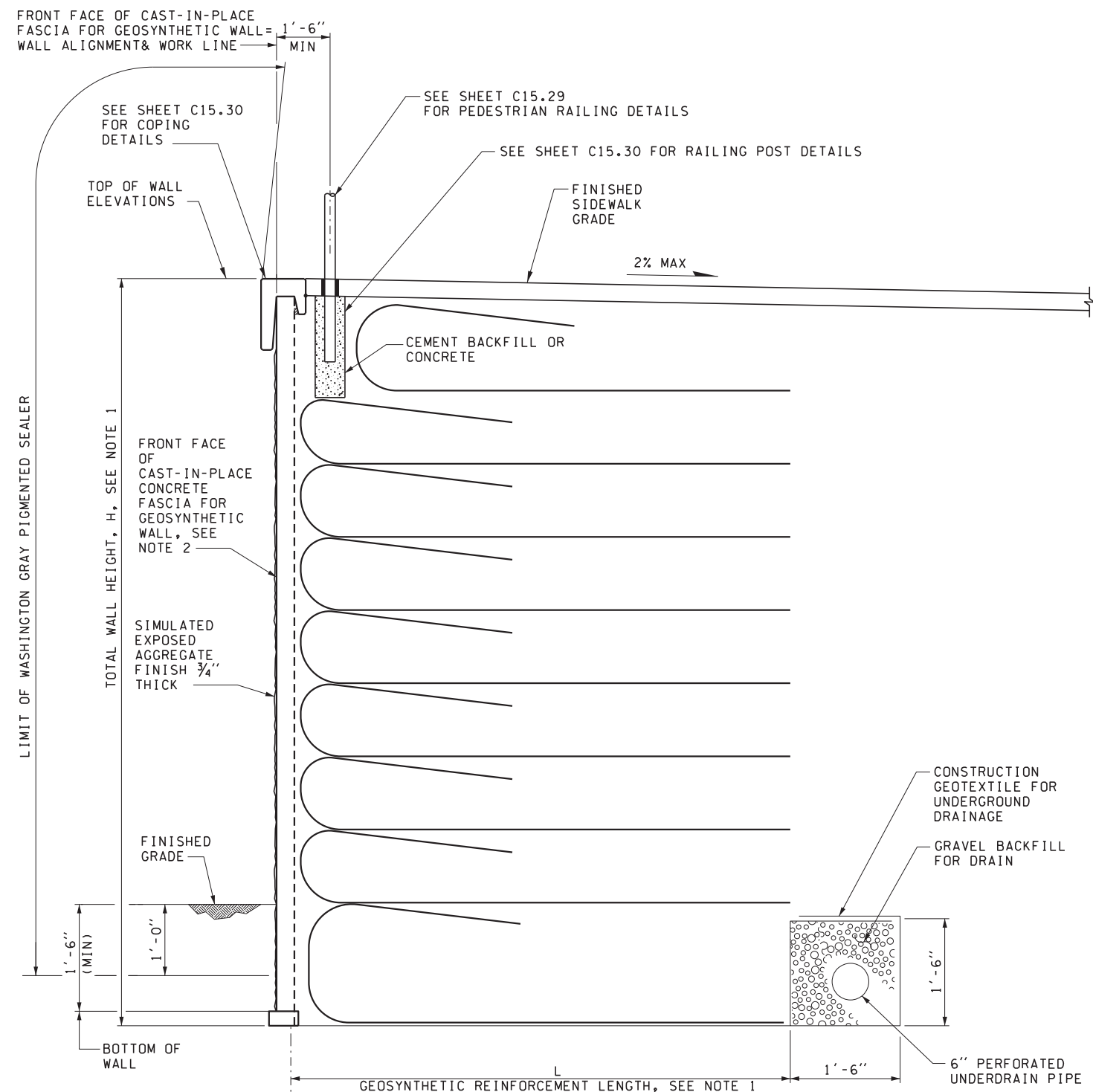
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OF

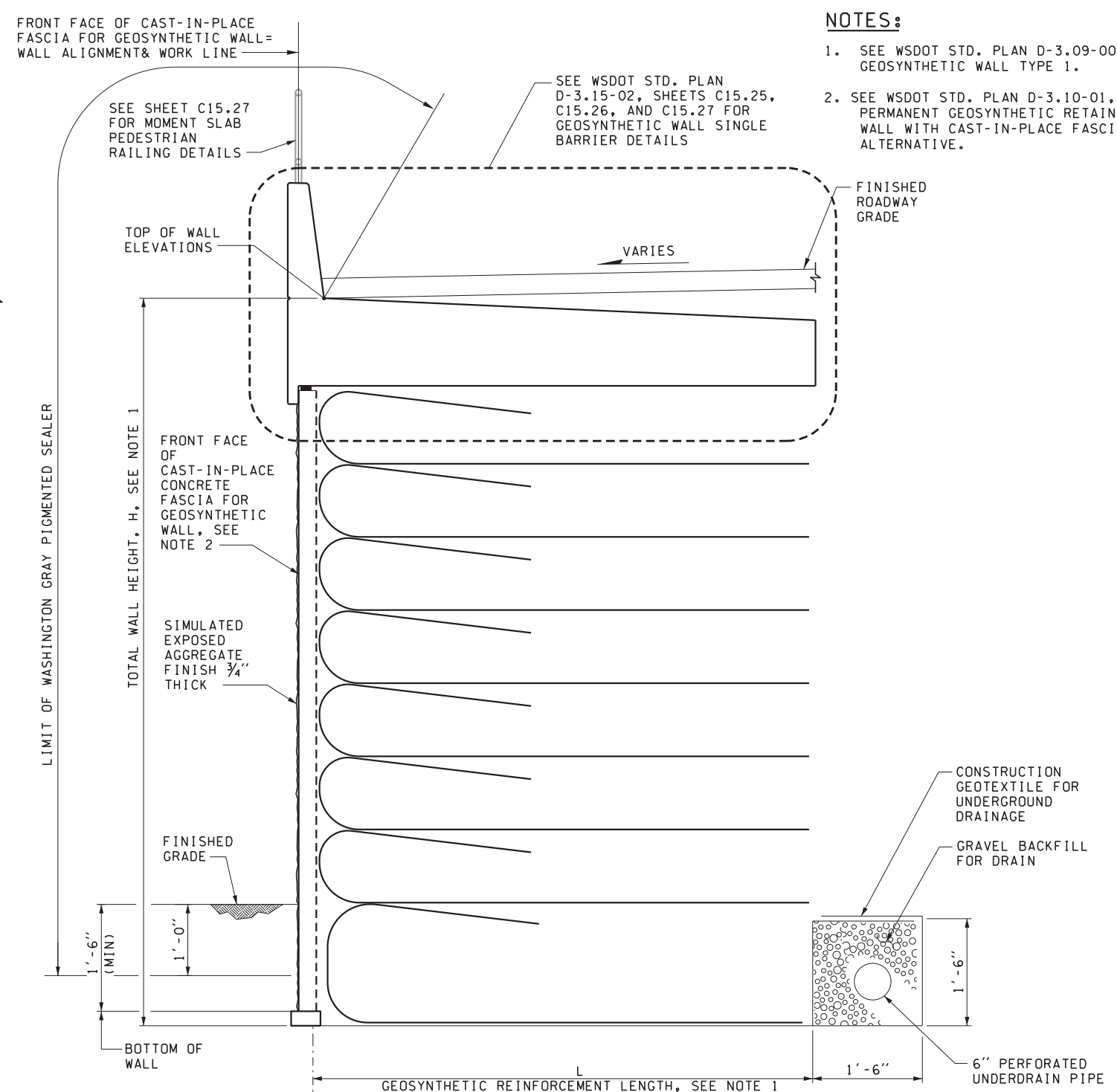
1521

SHEETS





**TYPICAL CROSS SECTION - WALLS 1 & 2\*-**  
**PERMANENT GEOSYNTHETIC WALL**  
 NOT TO SCALE



**TYPICAL CROSS SECTION - WALL 4 -**  
**PERMANENT GEOSYNTHETIC WALL**  
 NOT TO SCALE

**NOTES:**

1. SEE WSDOT STD. PLAN D-3.09-00, GEOSYNTHETIC WALL TYPE 1.
2. SEE WSDOT STD. PLAN D-3.10-01, PERMANENT GEOSYNTHETIC RETAINING WALL WITH CAST-IN-PLACE FASCIA ALTERNATIVE.

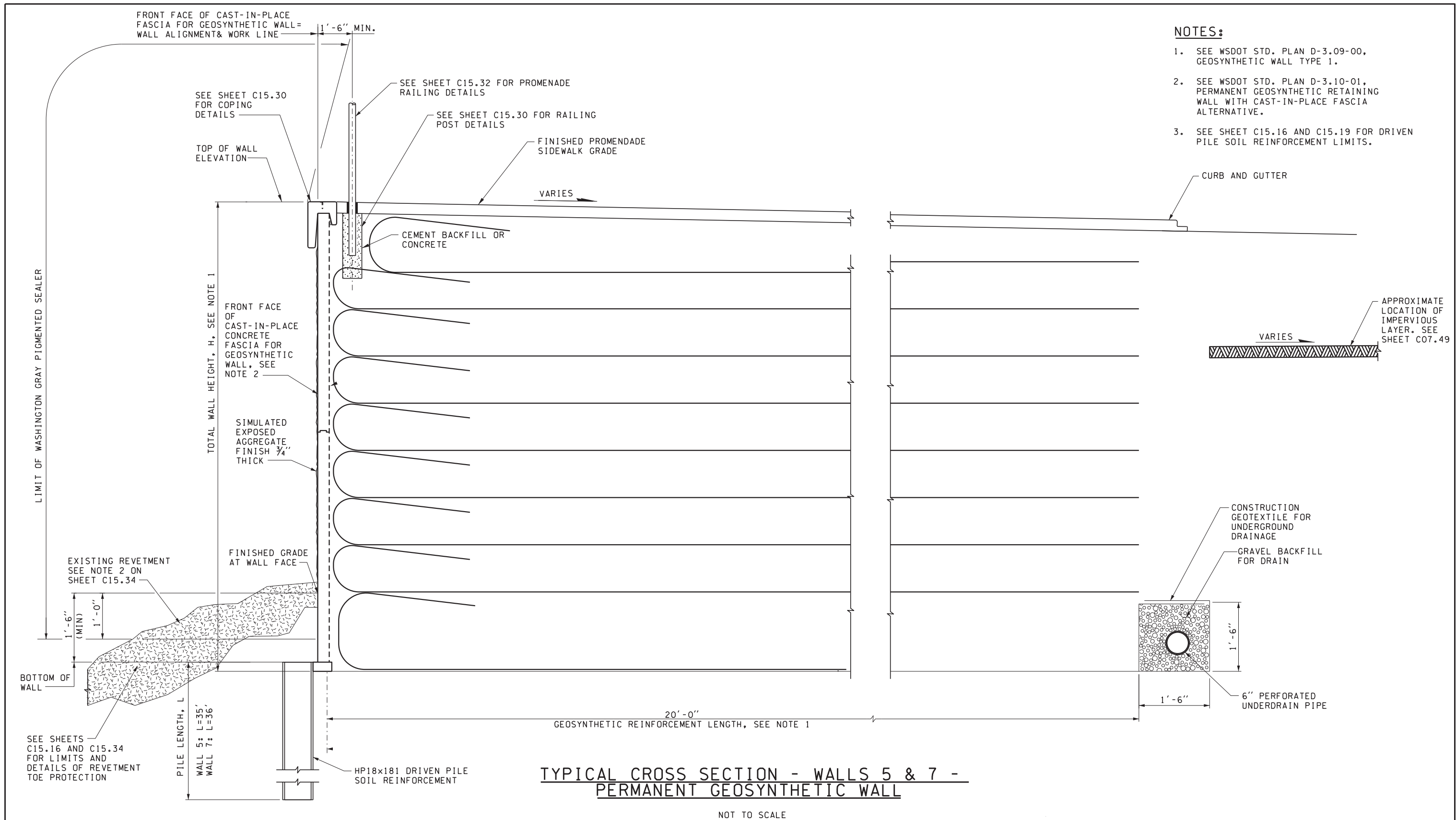
\* GEOSYNTHETIC WALL SEGMENT

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ENTERED BY: D. PERRY	9/21/2018			10 WASH
CHECKED BY: G. CALLAHAN	9/21/2018			JOB NUMBER
MAR PROJ ENGR: C. TORRES				18W121
DIR TERM ENGR: N. MCINTOSH				CONTRACT NO.
ASST SECRETARY: A. SCARTON				00*****
REVISION	DATE	BY		

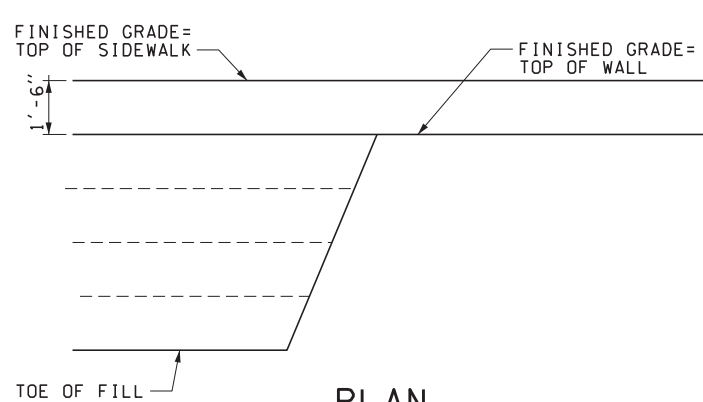


SR 525  
 MUKILTEO FERRY TERMINAL (PHASE 2)  
 FERRY TERMINAL CONSTRUCTION  
 GEOSYNTHETIC WALLS -  
 TYPICAL SECTIONS

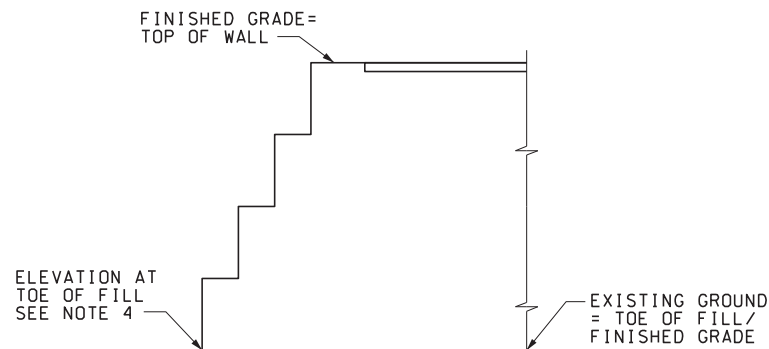
C15.20  
 SHEET  
 328  
 OF  
 1521  
 SHEETS



FILE NAME: WSF\Mukilteo\14W121_FerryTermConst\CADD\JACOBS\14w121c15-21.dlv									SR 525		C15.21
PRINTED: 8:59:32 AM 9/21/2018		LAST PRINTED BY:									
SUBMITTAL DATE: 09/21/18		DonielJL				FED.AID PROJ.NO.				SHEET	
DESIGNED BY: K. BICHICH		9/21/2018				WA-2017-007-00				329	
ENTERED BY: D. PERRY		9/21/2018				REGION NO. STATE				OF	
CHECKED BY: G. CALLAHAN		9/21/2018				10 WASH				1521	
MAR PROJ ENGR: C. TORRES						JOB NUMBER				SHEETS	
DIR TERM ENGR: N. MCINTOSH						18W121					
ASST SECRETARY: A. SCARTON				REVISION		DATE BY					
						CONTRACT NO.					
						00****					



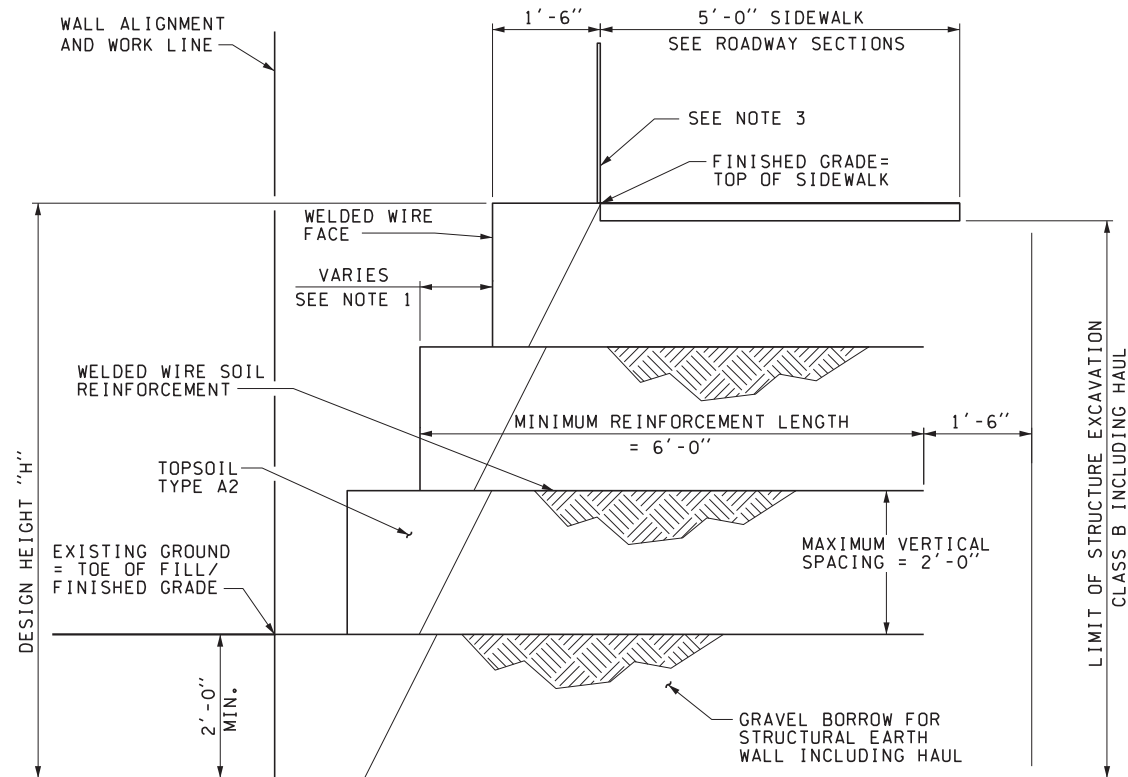
PLAN



ELEVATION

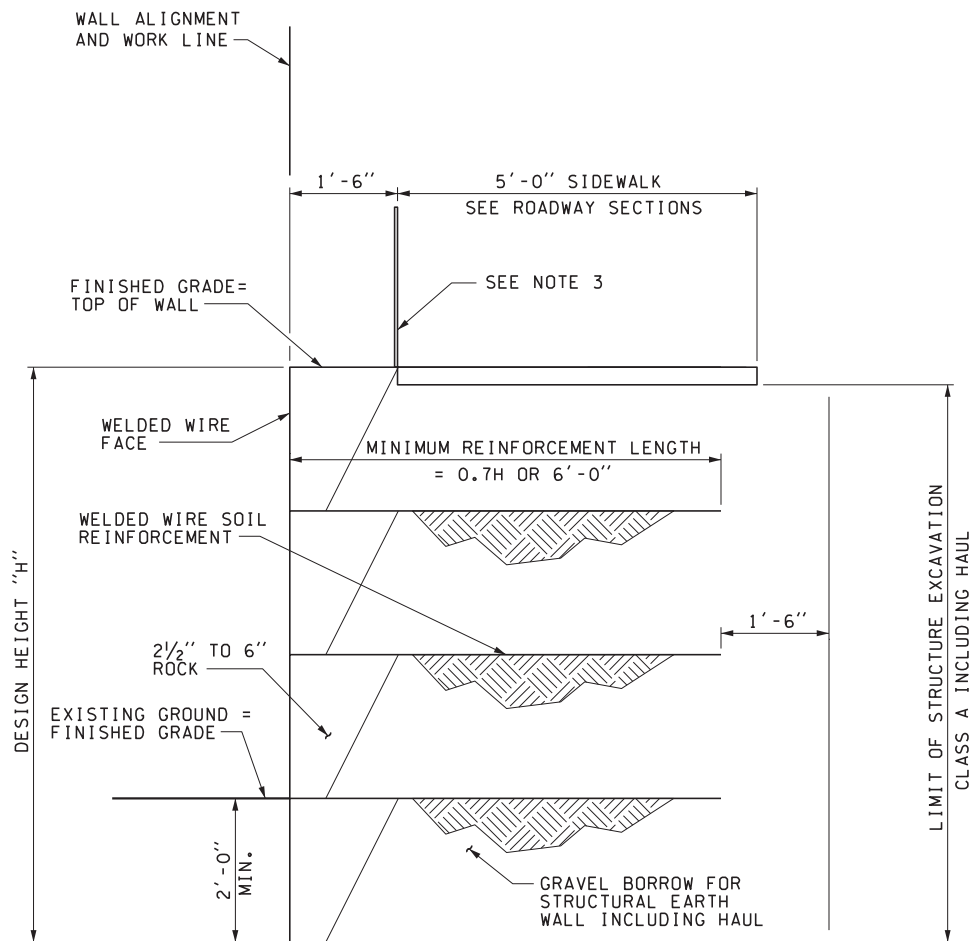
### WELDED WIRE SE WALL TYPICAL SECTION

STA. WA6 0+00 TO WA6 60+07.82  
WA6 0+53.44 TO WA6 0+59.35



### STEPPED WELDED WIRE FACE SE WALL TYPICAL SECTION

STA. TF 117+88.00 TO TF 120+42.28  
TF 121+00.04 TO TF 124+09.72



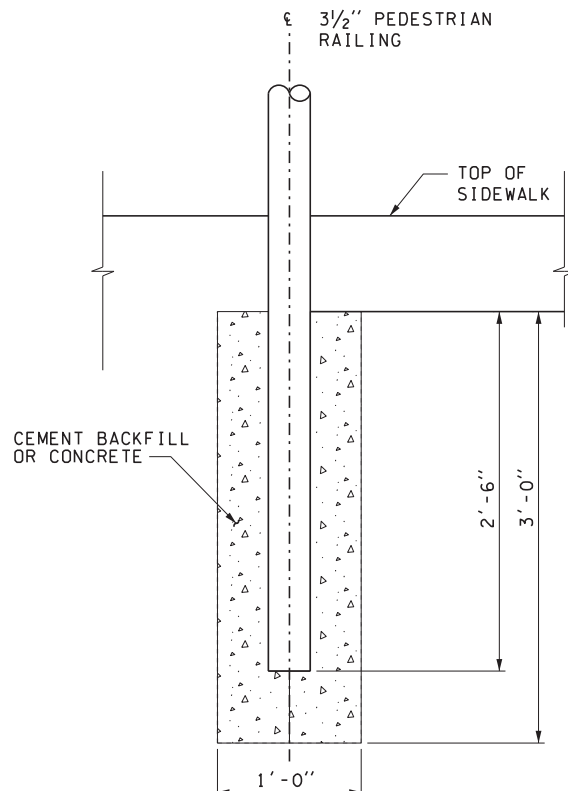
### VERTICAL WELDED WIRE FACE SE WALL TYPICAL SECTION

STA. TF 120+42.28 TO TF 121+00.04

### NOTES:

1. STEPPED WELDED WIRE FACE SE WALL SECTION WILL VARY TO MATCH REQUIRED WALL ANGLE.
2. DESIGN SOIL PARAMETERS:
 

SOIL	UNIT WEIGHT (PCF)	PHI	COHESION (PSF)
REINFORCED SOIL	130	38	5000
RETAINED SOIL	120	34	0
FOUNDATION SOIL	120	36	0
3. SEE SHEET C15.29 FOR PEDESTRIAN RAILING DETAILS.
4. TOE OF FILL ELEVATIONS FOR VERTICAL WELDED WIRE FACE SE WALL TRANSITIONS:
  - WA6 0+00: ELEV. 14.82
  - WA6 0+59.35: ELEV. 14.71



### PEDESTRIAN RAILING FOUNDATION

FILE NAME: WSF\Mukilteo\14W121\_FerryTermConst\CADD\JACOBS\14w121c15\_22.dwg

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ASST SECRETARY: A. SCARTON

LAST PRINTED BY:

DATE:

DATE:

DATE:

DATE:

DATE:

DATE:

DATE:

REVISION

DATE

BY

FED.AID  
PROJ.NO.

WA-2017-007-00

REGION NO. STATE

10 WASH

JOB NUMBER

18W121

CONTRACT NO.

00\*\*\*\*\*



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Washington State  
Department of Transportation  
WASHINGTON STATE FERRIES

SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION  
WELDED WIRE FACE SE WALL  
SECTION & DETAILS

C15.22

SHEET

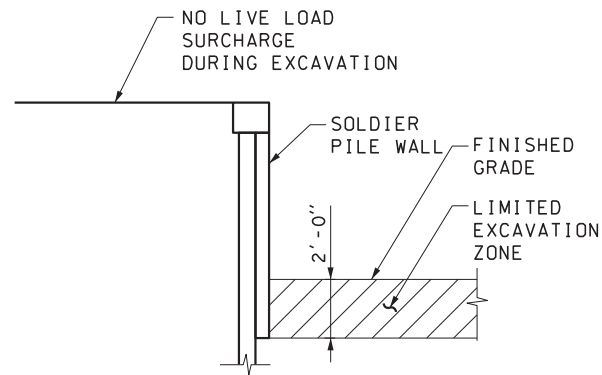
330

OF

1521

SHEETS

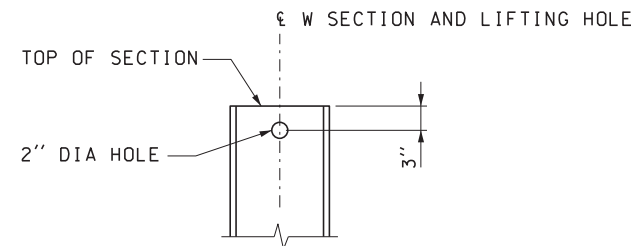




### EXCAVATION LIMITATIONS

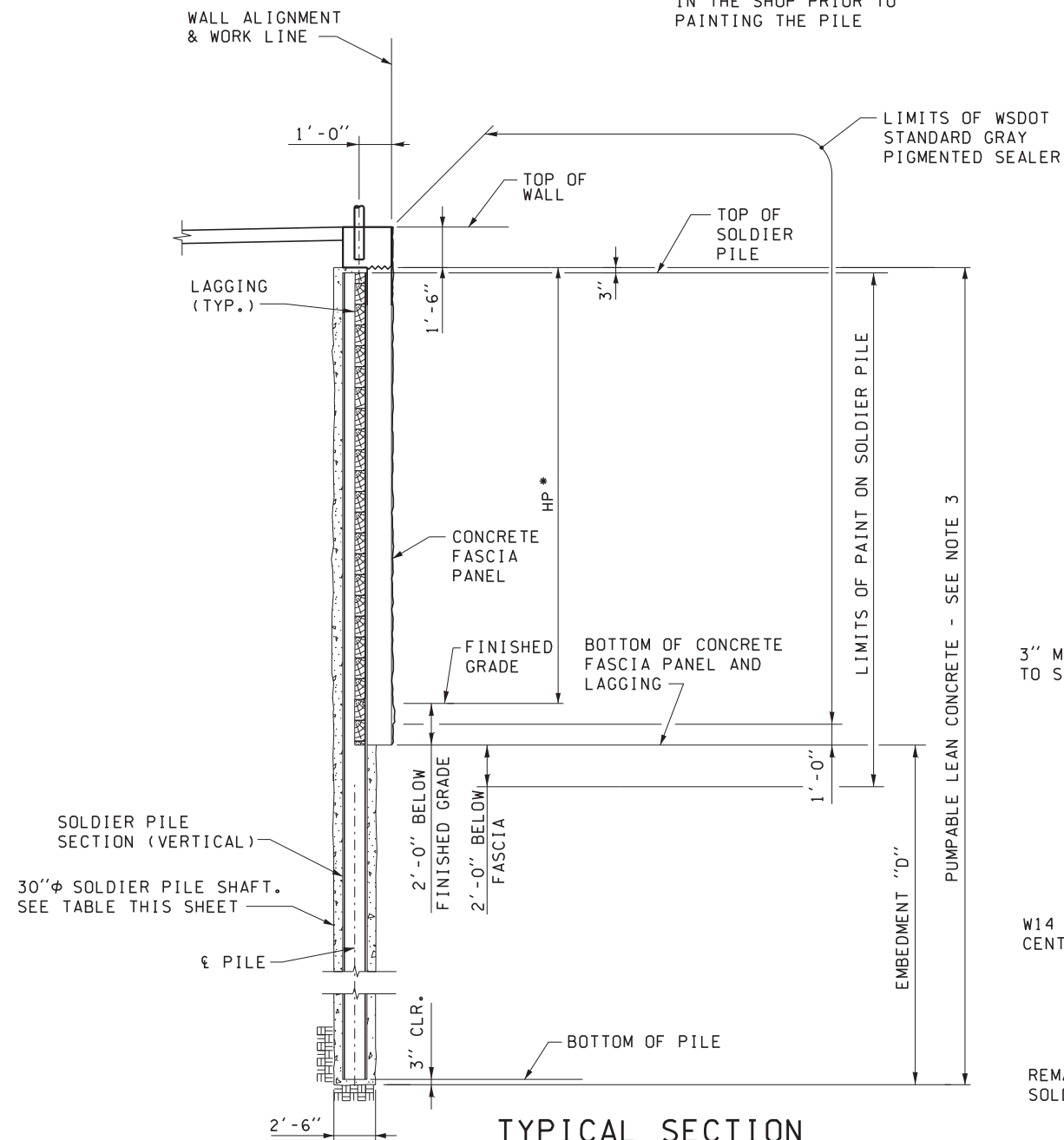
### WALL 2 SOLDIER PILE SCHEDULE

PILE NO.	TOP OF PILE EL.	LENGTH (FT)	EMBEDMENT DEPTH "D"	TOP OF PILE DEFLECTION (in)
1	26.99'	36.0'	33.5'	1.9
2	29.59'	42.0'	34.5'	1.9
3	32.18'	48.0'	34.5'	1.9
4	33.52'	48.0'	34.5'	1.9
5	32.85'	48.0'	34.5'	1.9
6	32.24'	49.0'	35.0'	1.9
7	31.54'	49.0'	35.0'	1.9
8	30.83'	48.0'	35.0'	1.9
9	30.13'	48.0'	35.0'	1.9
10	29.43'	47.0'	35.0'	1.9
11	28.73'	47.0'	35.0'	1.9
12	28.02'	46.0'	35.0'	1.9
13	27.68'	46.0'	35.0'	1.9
14	27.50'	46.0'	35.0'	1.9



### SOLDIER PILE LIFTING HOLE

LIFTING HOLE TO BE DRILLED IN THE SHOP PRIOR TO PAINTING THE PILE

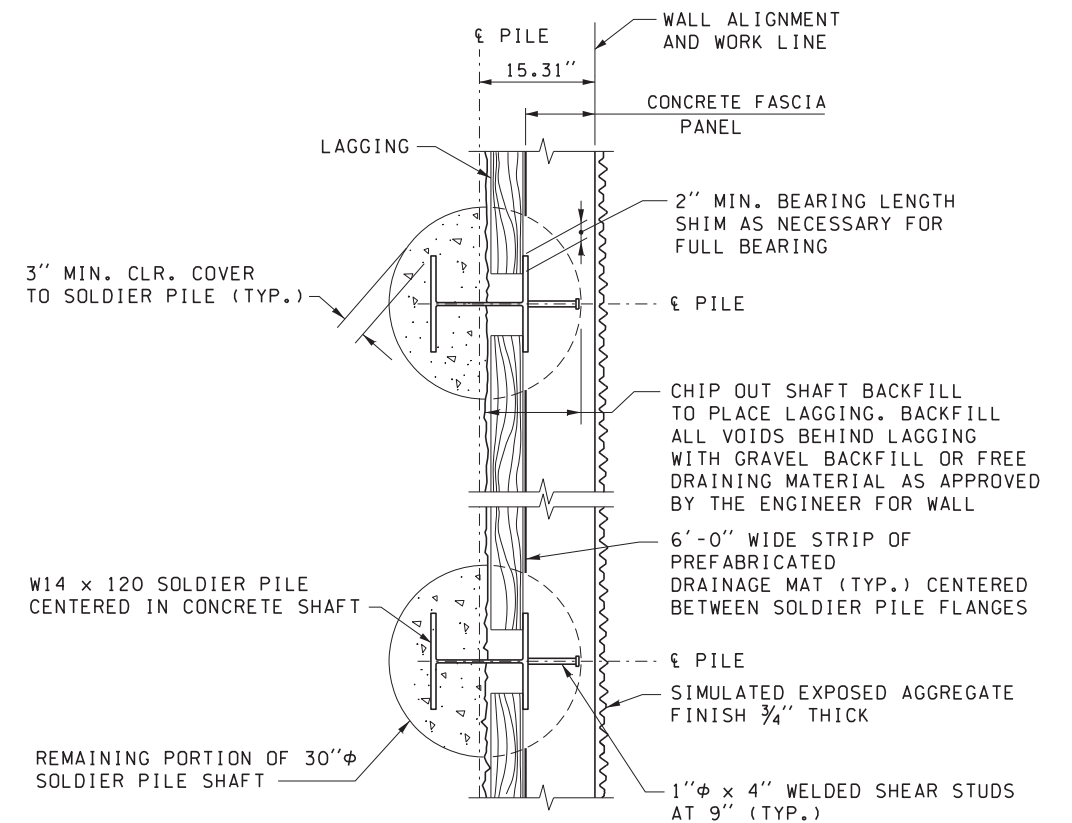


### TYPICAL SECTION

\* DETERMINE FROM WALL PLAN AND PROFILE

### NOTES:

- THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS 7TH ED, WSDOT STD. SPEC. 2016, AND WSDOT BDM 2016.
- ALL STRUCTURAL STEEL PILES SHALL BE ASTM A 992 GRADE 50. SOLDIER PILES SHALL BE PAINTED TO THE LIMITS SHOWN IN THE PLANS, IN ACCORDANCE WITH WSDOT STD. SPEC. SECTION 6-16.3(4).
- SOLDIER PILE SHAFTS SHALL BE FILLED WITH PUMPABLE LEAN CONCRETE WHEN PLACED IN THE WET IN ACCORDANCE WITH STD. SPEC. SECTION 6-16.3(5) OR CONTROLLED DENSITY FILL WHEN PLACED IN THE DRY IN ACCORDANCE WITH WSDOT STD. SPEC. SECTION 2-09.3(1)E.
- LAGGING SYSTEM SHALL BE DESIGNED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR APPROVAL IN ACCORDANCE WITH WSDOT STD. SPEC. SECTION 6-16.3(6).
- EXCAVATION IN FRONT OF WALL SHALL NOT EXTEND BELOW BOTTOM OF LAGGING OR FASCIA PANELS.
- ALL WELDING SHALL BE DONE TO MINIMIZE DISTORTION. THE WELDING SEQUENCE AND PROCEDURES USED SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO THE START OF WELDING.
- UNLESS OTHERWISE SHOWN ON THE PLANS, THE CONCRETE COVER MEASURED FROM FACE OF CONCRETE TO FACE OF ANY REINFORCING STEEL SHALL BE 2".
- EXISTING GROUND LINE IS APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD.



### PARTIAL PLAN SOLDIER PILE WALL

FILE NAME: WSF\Mukilteo\14W121\_FerryTermConst\CADD\JACOBS\14w121c15\_23.dwg

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CHECKED BY: S. CHEUNG

MAR PROJ ENGR: C. TORRES

DIR TERM ENGR: N. MCINTOSH

ASST SECRETARY: A. SCARTON

LAST PRINTED BY:

ConradCS

8/22/2018

8/22/2018

8/22/2018

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DATE

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REGION NO. STATE

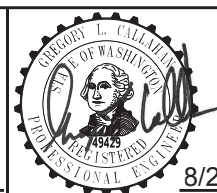
10 WASH

JOB NUMBER

18W121

CONTRACT NO.

00\*\*\*\*\*



8/22/18

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Washington State  
Department of Transportation  
WASHINGTON STATE FERRIES

SR 525

MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION

SOLDIER PILE WALL DETAILS 1

C15.23

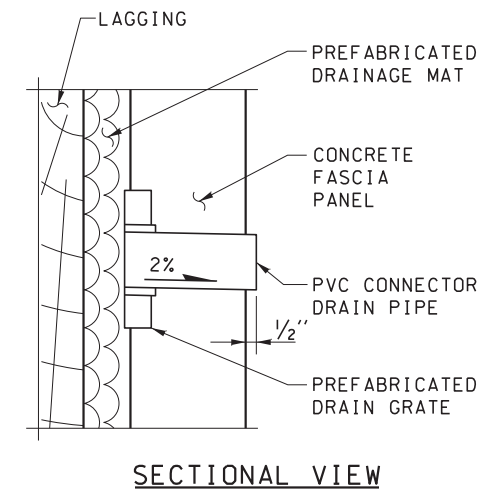
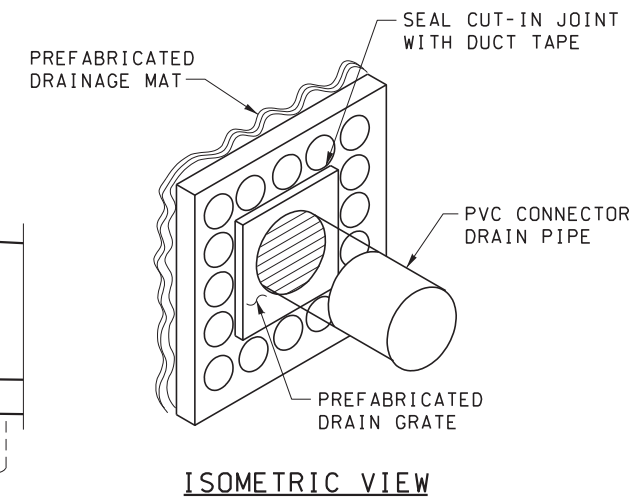
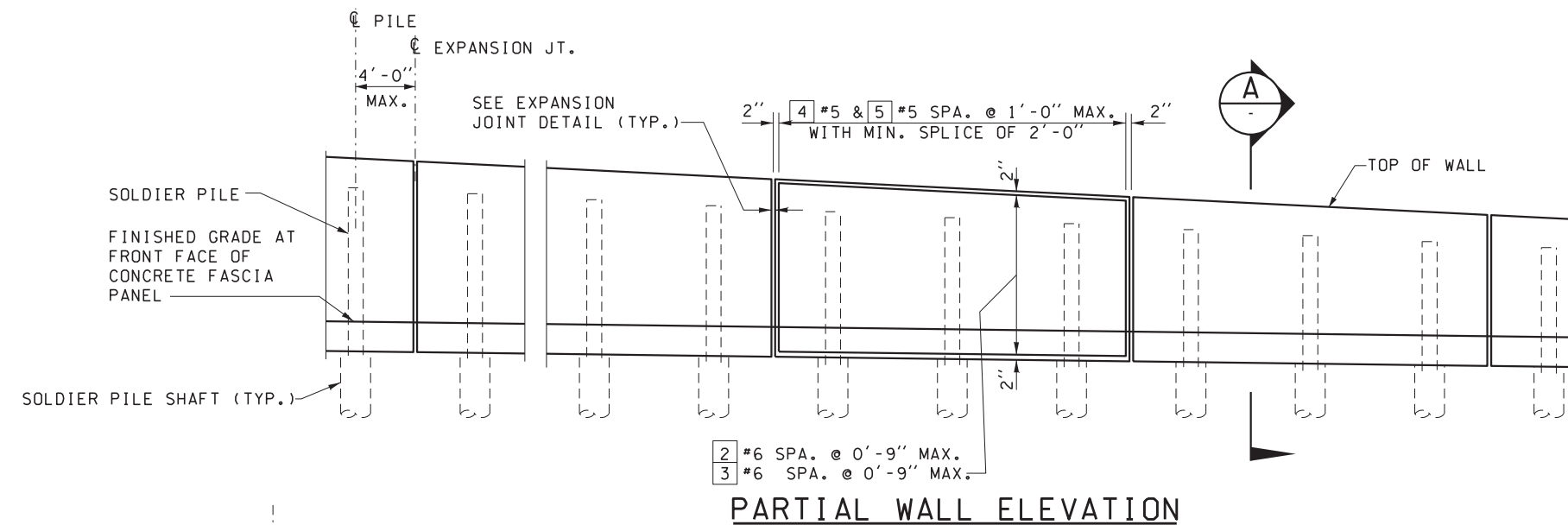
SHEET

331

OF

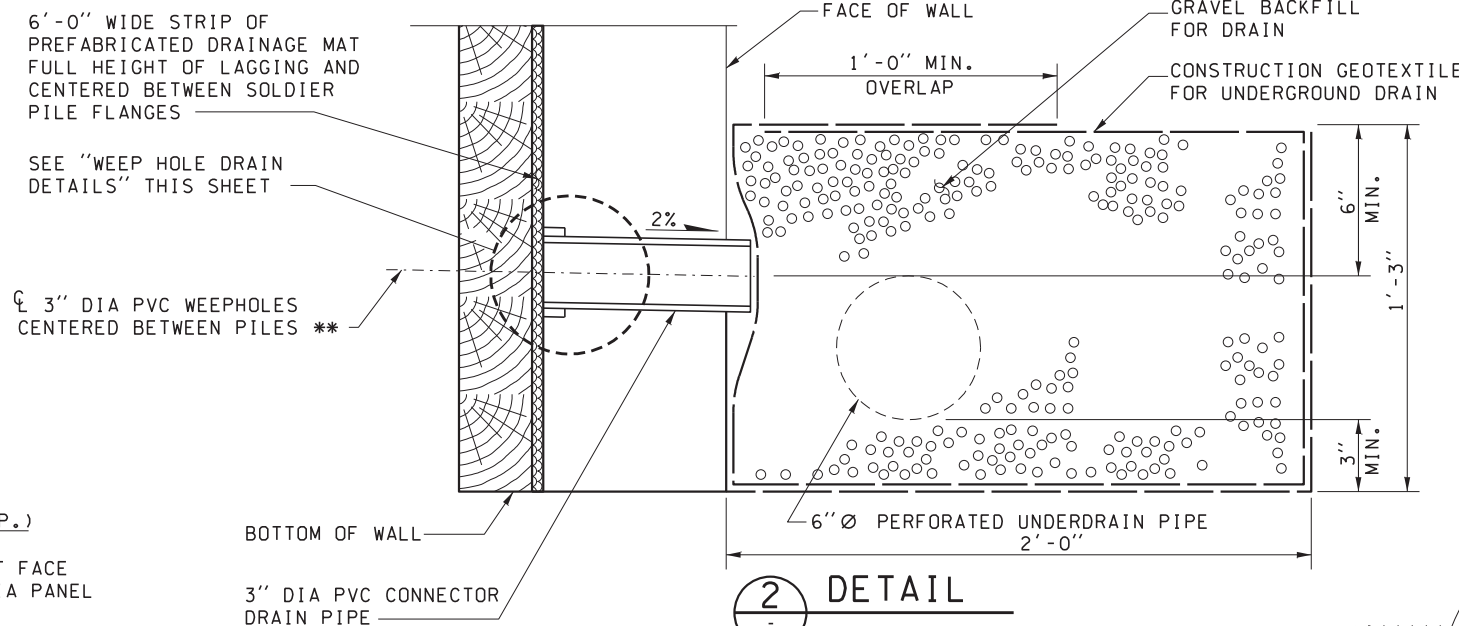
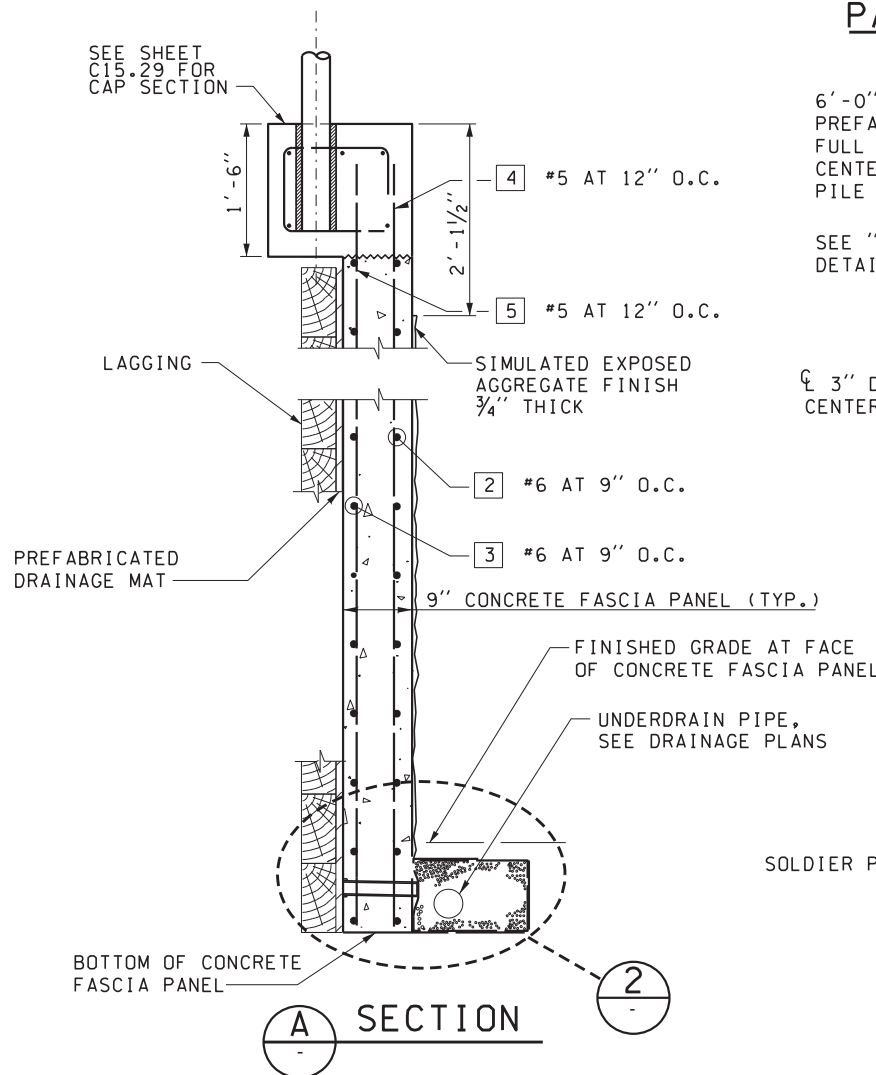
1521

SHEETS

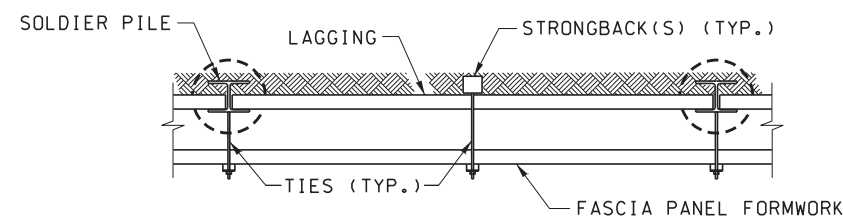


### WEEP HOLE DRAIN DETAILS

DRAIN GRATE INSTALLATION SHALL NOT DISRUPT PREFABRICATED DRAINAGE MAT

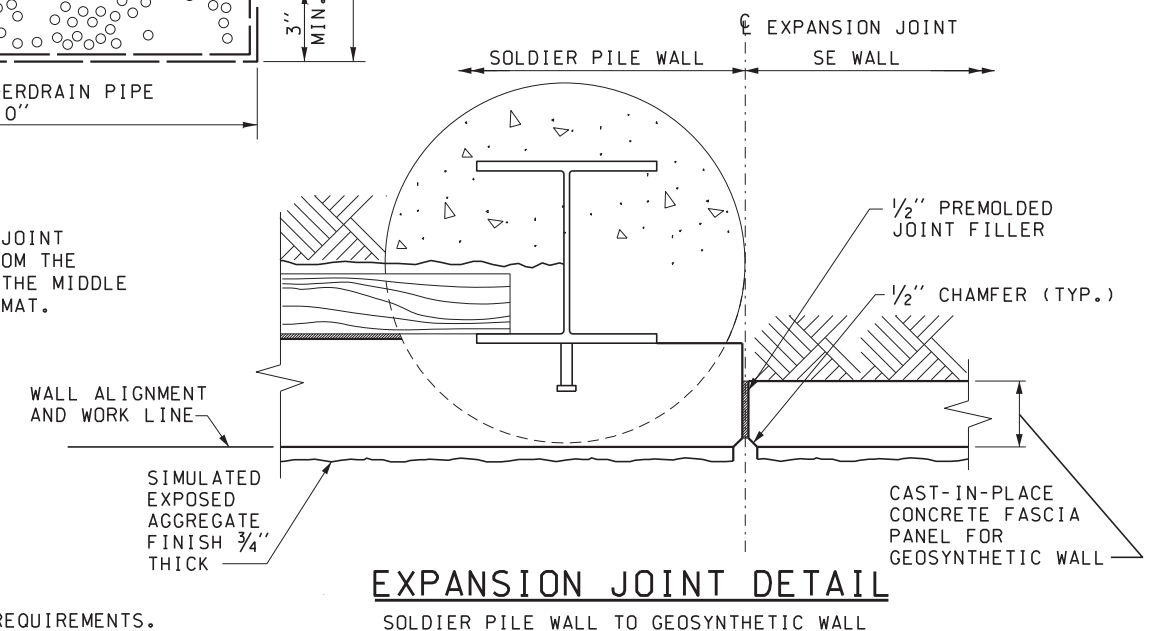
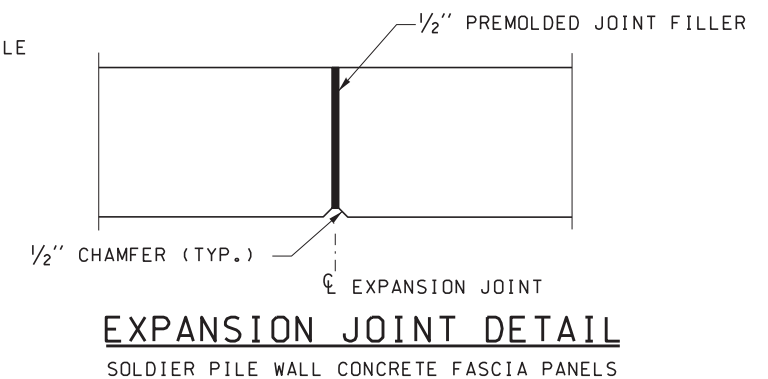


\*\* WEEP HOLES LOCATED AT AN EXPANSION JOINT MAY BE ADJUSTED 6" TO 1'-0" AWAY FROM THE EXPANSION JOINT, BUT REMAIN WITHIN THE MIDDLE HALF OF THE PREFABRICATED DRAINAGE MAT.



### TYPICAL FASCIA PANEL FORMWORK

- SEE WSDOT STD. SPEC. SECTION 6-16.3(2) FOR CONCRETE FASCIA PANEL FORMING REQUIREMENTS.  
- STRONGBACK(S) AND TIES SPACED AS REQUIRED FOR FORMING.



FILE NAME: WSF\Mukilteo\14W121\_FerryTermConst\CADD\JACOBS\14w121c15\_24.dwg

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ASST SECRETARY: A. SCARTON

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REGION NO. STATE

10 WASH

JOB NUMBER  
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CONTRACT NO.  
00\*\*\*\*\*



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**Washington State**  
**Department of Transportation**  
WASHINGTON STATE FERRIES

SR 525

MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION

SOLDIER PILE WALL DETAILS 2

C15.24

SHEET  
332  
OF  
1521  
SHEETS



1. FOR GEOSYNTHETIC WALL SINGLE SLOPE TRAFFIC BARRIER DETAILS, SEE WSDOT STD. PLAN D-3.15-02.
2. SEE SHEET C15.26 GEOSYNTHETIC WALL SINGLE SLOPE TRAFFIC BARRIER DETAILS 2 FOR JUNCTION BOX DETAILS.
3. SEE SHEET C15.27 GEOSYNTHETIC WALL SINGLE SLOPE BARRIER DETAILS 3 FOR PEDESTRIAN RAILING MOUNTING DETAILS.
4. RAILING NOT SHOWN FOR CLARITY.
5. SEE ROADWAY SECTIONS FOR PAVEMENT DEPTH.
6. WALL 4 DRAINAGE SLOPE 2% MAX. TOWARD BARRIER.

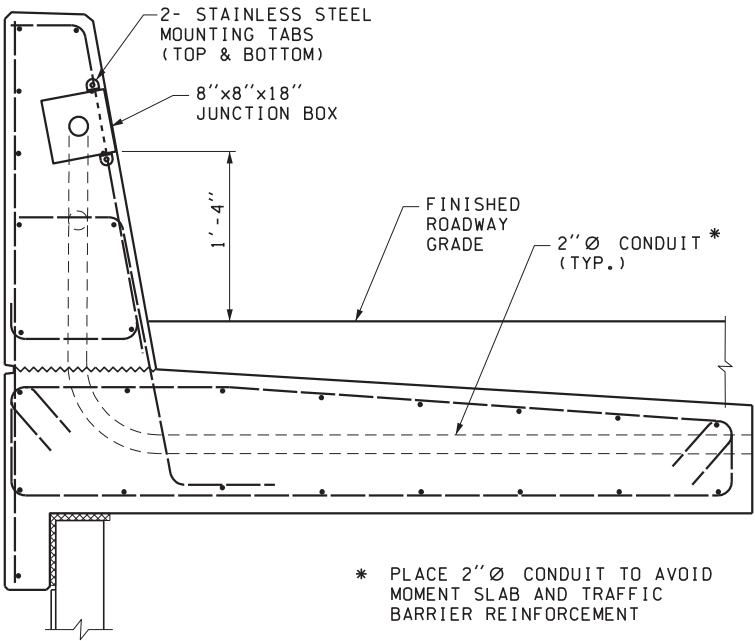
WALL	BEGIN STA.	END STA.
4	WA4 0+00.00	WA4 7+93.00



SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION  
GEOSYNTHETIC WALL SINGLE SLOPE  
BARRIER DETAILS 1

C15.25
SHEET 333 OF 1521 SHEETS

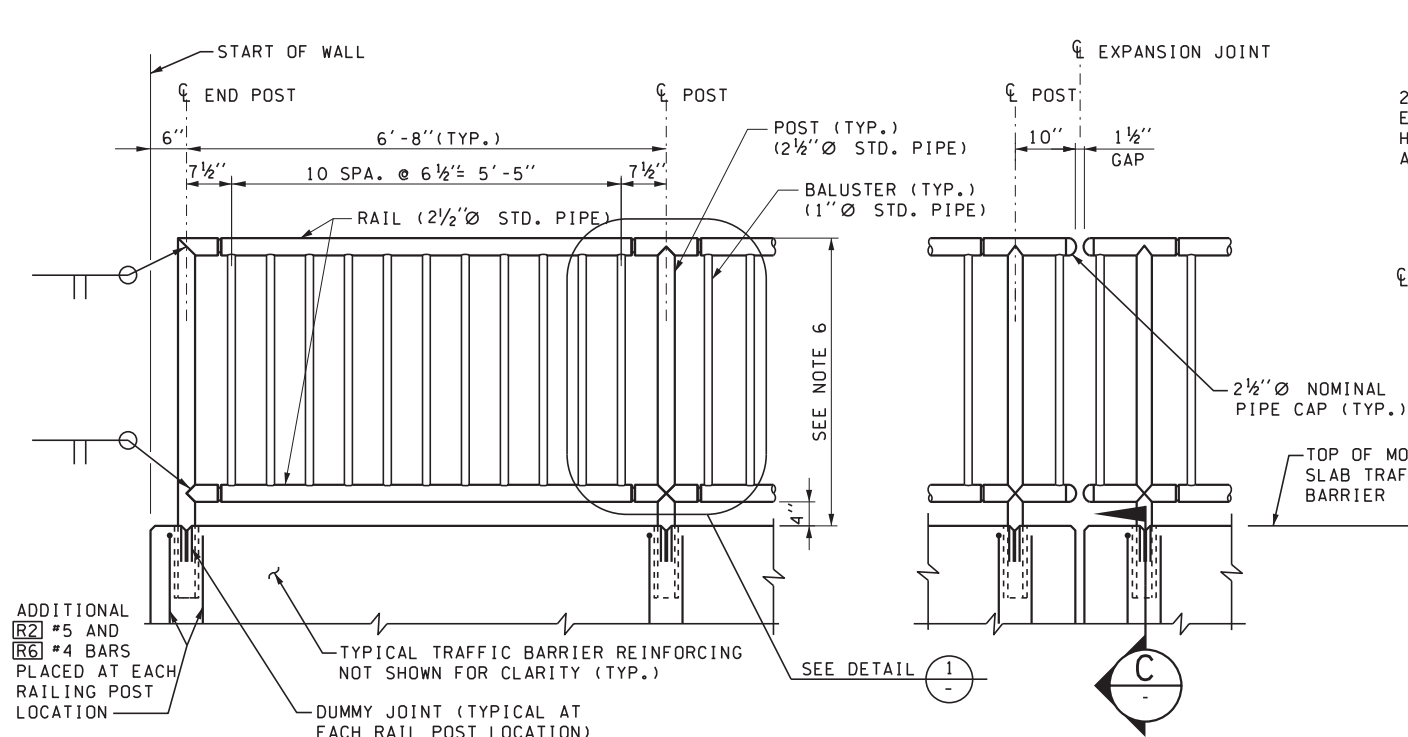




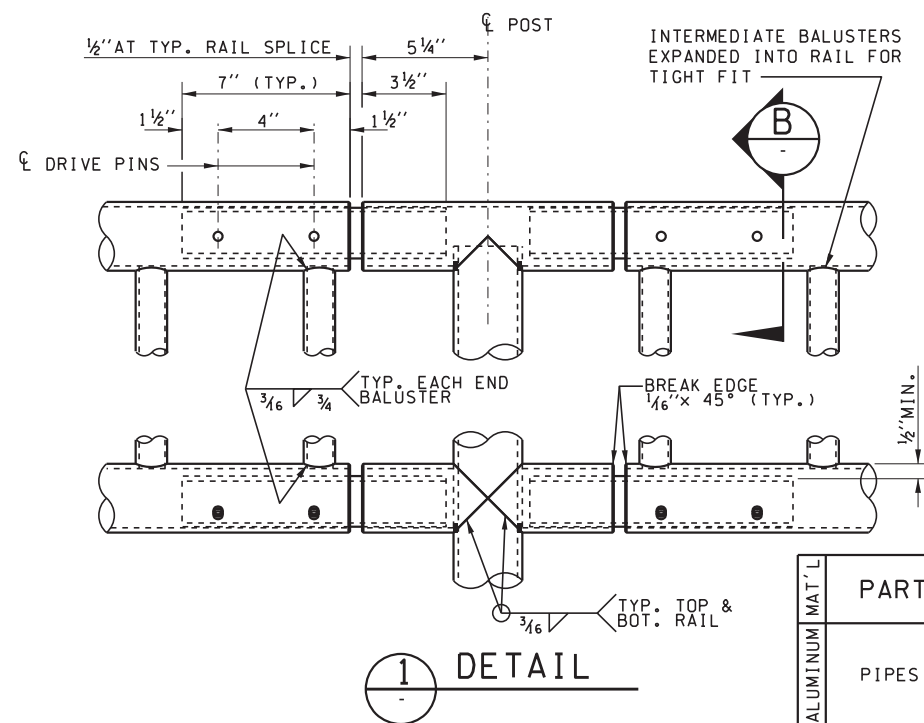
JUNCTION BOX DETAIL

SEE COMMUNICATIONS PLANS FOR  
ADDITIONAL CONDUIT AND JUNCTION  
BOX INFORMATION

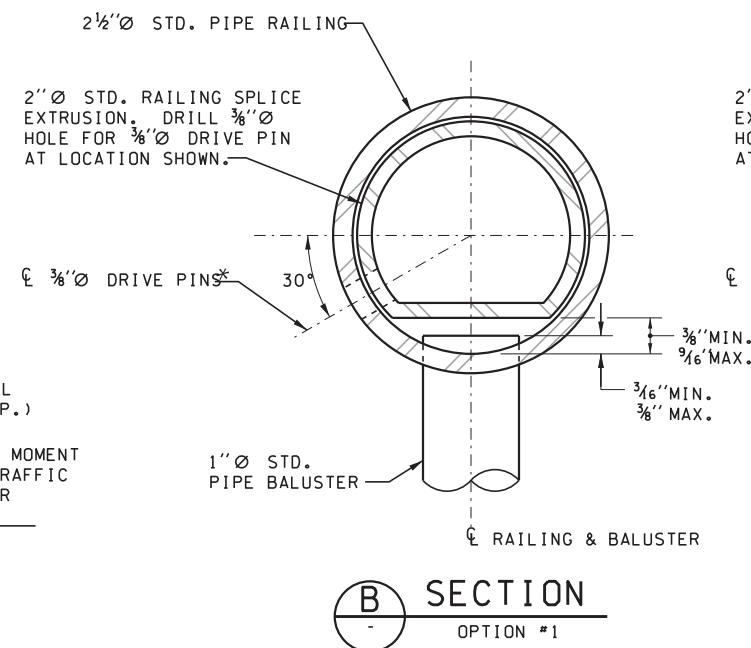
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PRINTED: 9:13:18 AM 9/18/2018	LAST PRINTED BY: DonielJL				FED.AID PROJ.NO.			MUKILTEO FERRY TERMINAL (PHASE 2)		FERRY TERMINAL CONSTRUCTION		SHEET	
SUBMITTAL DATE: 09/21/18					WA-2017-007-00			GEOSYNTHETIC WALL SINGLE SLOPE		BARRIER DETAILS 2		334	
DESIGNED BY: K. BICHICH	9/18/2018				REGION NO. STATE	10 WASH						OF	
ENTERED BY: D. PERRY	9/18/2018				JOB NUMBER	18W121						1521	
CHECKED BY: S. CHEUNG	9/18/2018				CONTRACT NO.	00*****						SHEETS	
MAR PROJ ENGR: C. TORRES													
DIR TERM ENGR: N. MCINTOSH													
ASST SECRETARY: A. SCARTON		REVISION	DATE	BY									



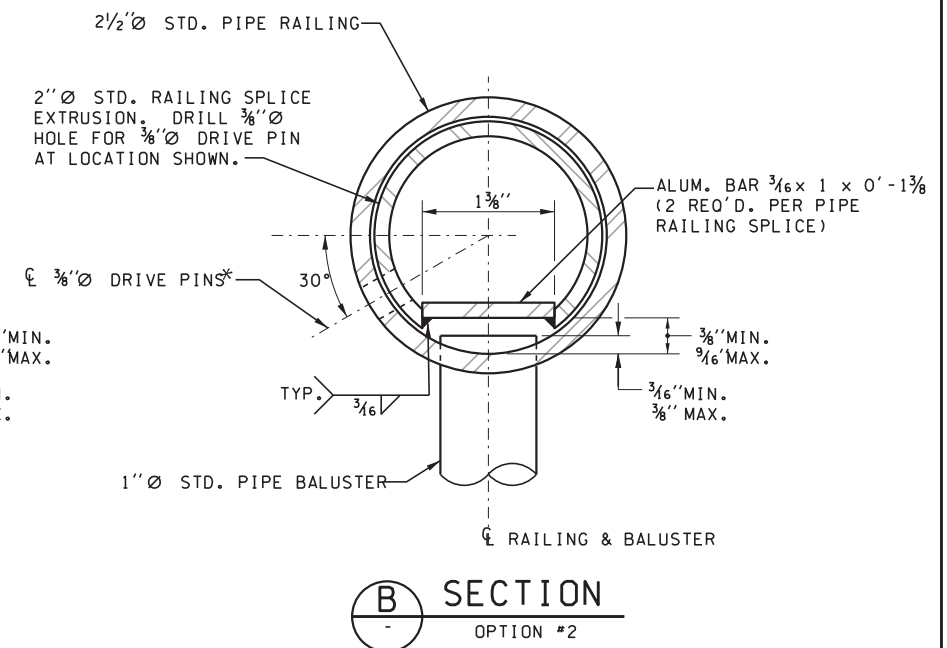
**ELEVATION - MOMENT SLAB PEDESTRIAN RAILING WALL 4**  
TOP & BOTTOM RAILS PARALLEL TO GRADE.  
BALUSTERS NORMAL TO GRADE.



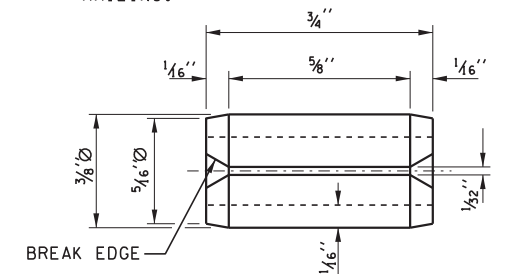
STEEL ALUMINUM	PART	MATERIAL SPECIFICATION
	PIPES	ASTM B 221-6005-T5 SCHEDULE 40 (STD. PIPE) ASTM B 241 OR B 429 6061-T6
	BAR	ASTM B 221-6005-T5
	DRIVE PINS	ASTM A 276 TYPE 302 STAINLESS STEEL



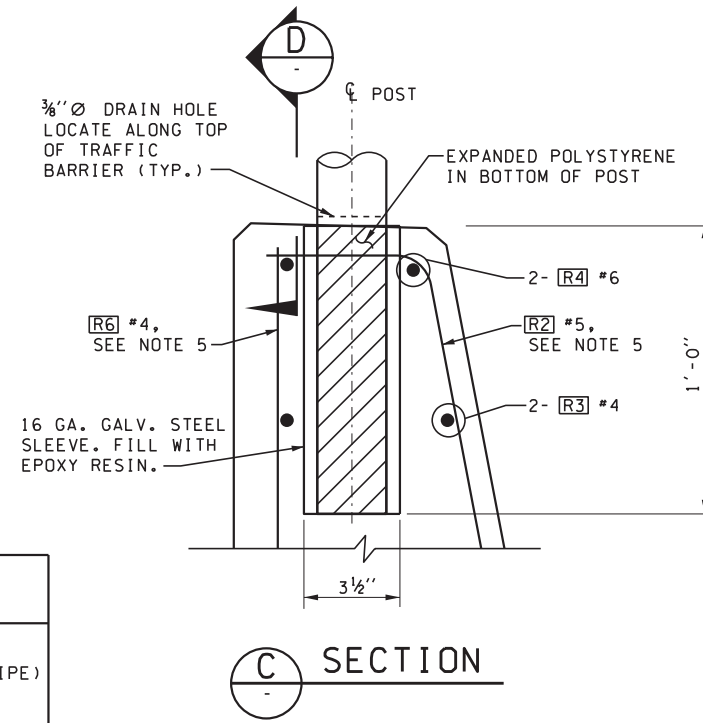
\* LOCATE ON OPPOSITE SIDE OF TRAFFIC. DRIVE PINS SHALL BE DRIVEN FLUSH WITH THE OUTSIDE FACE OF THE RAILING.



\* LOCATE ON OPPOSITE SIDE OF TRAFFIC. DRIVE PINS SHALL BE DRIVEN FLUSH WITH THE OUTSIDE FACE OF THE RAILING.



**DRIVE PIN DETAIL**  
SLOTTED TYPE SPRING PIN (ANSI B18.8.2)



#### NOTES:

- PIPE RAILING AND PIPE RAILING SPLICES SHALL BE BENT TO THE HORIZONTAL CURVE WHERE THE RADIUS OF CURVATURE IS LESS THAN 200'. THESE ITEMS MAY BE HEATED TO NOT MORE THAN 400°F FOR A PERIOD NOT TO EXCEED 30 MINUTES TO FACILITATE FORMING OR BENDING TO HORIZONTAL CURVATURE.
- WELDING OF ALUMINUM SHALL CONFORM TO STD. SPEC. SECTION 9-28.14(3).
- AFTER FABRICATION, POSTS SHALL BE HEAT TREATED IN ACCORDANCE WITH SECTION 6.5 OF THE AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS DATED 2001.
- ALL ALUMINUM PARTS SHALL BE GIVEN A BRONZE ANODIC COATING OF AT LEAST 0.0006" THICK AND SEALED TO MEET THE REQUIREMENTS OF ASTM B 580 WITH A UNIFORM FINISH.
- ONE R2 #5 BAR AND ONE R6 #4 BAR WILL BE PLACED AT EACH RAILING POST LOCATION. SEE ELEVATION VIEW.
- MOMENT SLAB PEDESTRIAN RAILING HEIGHTS SHALL BE: WALL 4: 3'-2"

FILE NAME: WSF\Mukilteo\14W121\_FerryTermConst\CADD\JACOBS\14W121c15-27.dwg

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ASST SECRETARY: A. SCARTON

LAST PRINTED BY: Daniel J. L.

9/18/2018

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9/18/2018

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REVISION

DATE

BY

FED.AID PROJ.NO.

WA-2017-007-00

REGION NO. STATE

10 WASH

JOB NUMBER

18W121

CONTRACT NO.

00\*\*\*\*\*



SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION  
GEOSYNTHETIC WALL SINGLE SLOPE  
BARRIER DETAILS 3

C15.27

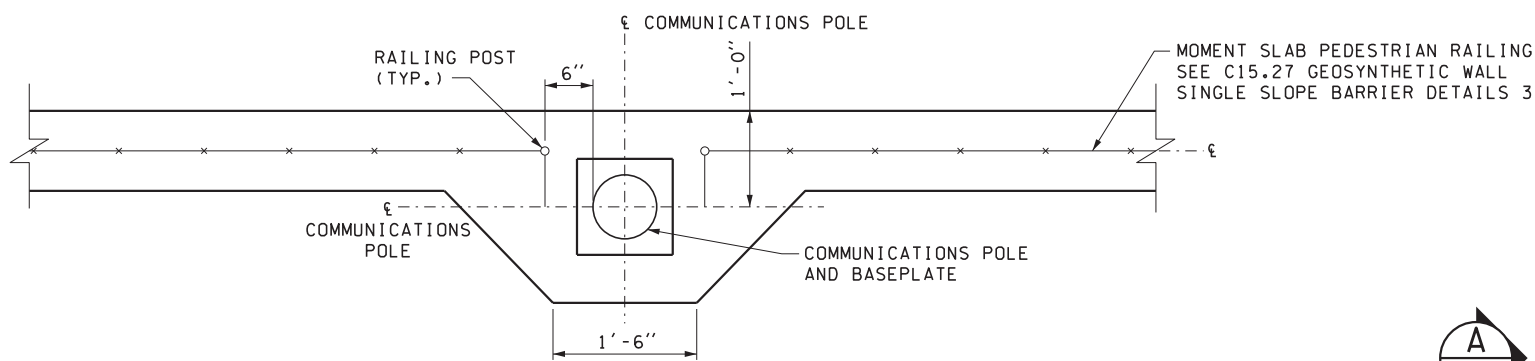
SHEET

335

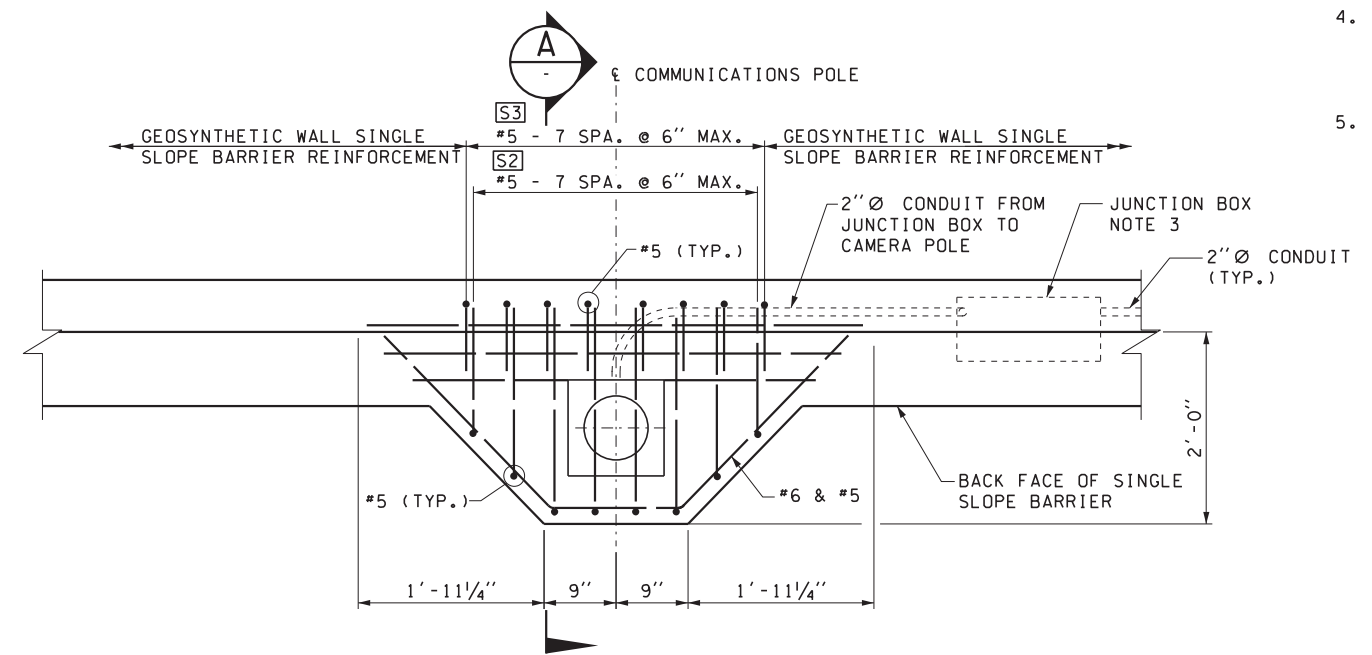
OF

1521

SHEETS



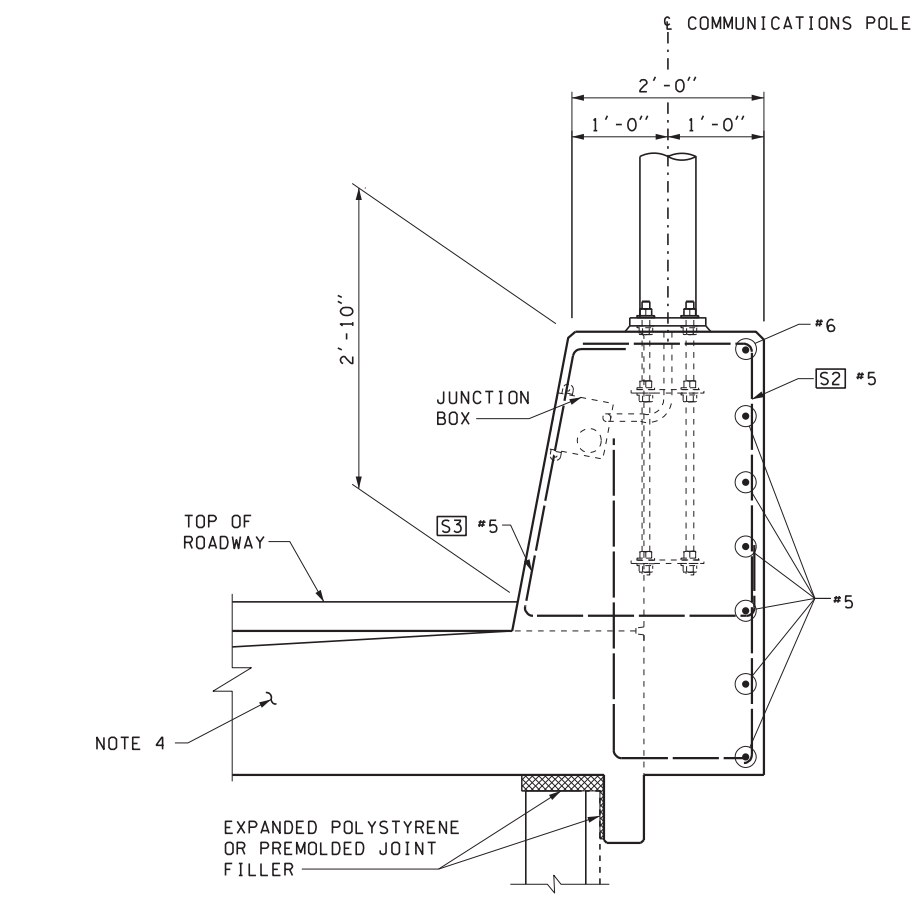
COMMUNICATIONS POLE PLAN



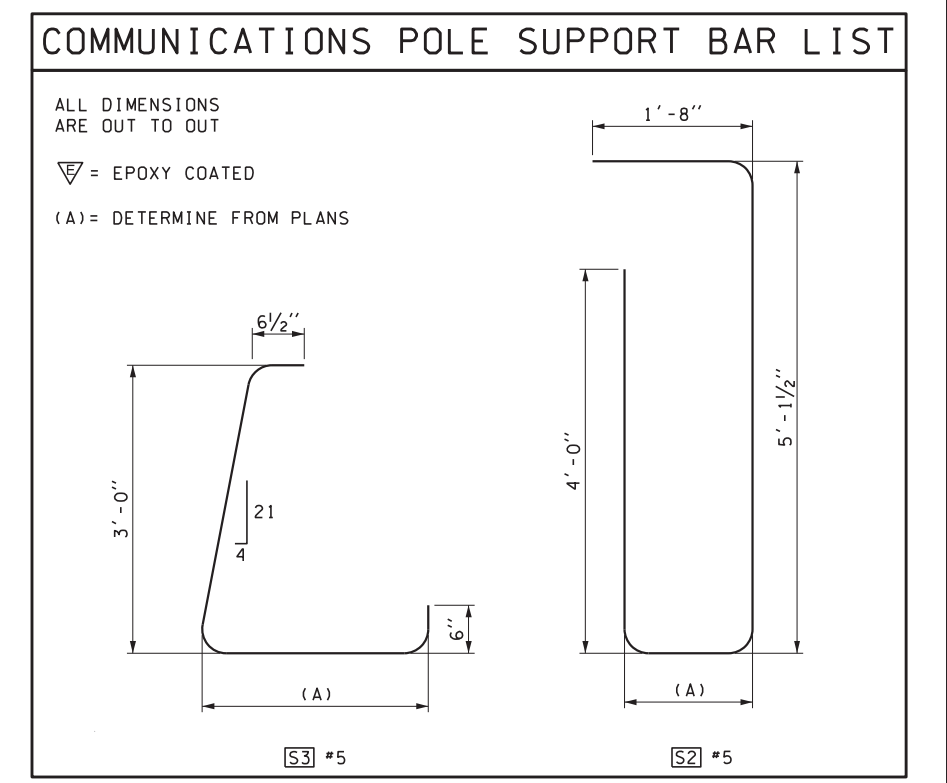
REINFORCING PLAN

NOTES:

1. FOR LOCATION AND DETAILS OF COMMUNICATIONS POLES REFER TO COMMUNICATION PLANS.
2. ANCHOR BOLT SIZE AND EMBEDMENT DEPTH SHALL CONFORM TO COMMUNICATIONS POLE MANUFACTURER'S SPECIFICATIONS.
3. SEE SHEET C15.26, GEOSYNTHETIC WALL SINGLE SLOPE BARRIER DETAILS 2, FOR JUNCTION BOX PLACEMENT.
4. TYPICAL GEOSYNTHETIC WALL SINGLE SLOPE BARRIER REINFORCING NOT SHOWN FOR CLARITY. SEE WSDOT STD. PLAN D-3.15-02, C15.25, C15.26, AND C15.27 FOR GEOSYNTHETIC WALL SINGLE SLOPE BARRIER DETAILS.
5. COMMUNICATIONS POLE SHALL BE 16'-0" MIN. FROM EXPANSION JOINT.



SECTION AT COMMUNICATIONS POLE SUPPORT



FILE NAME: WSF\Mukilteo\14W121_FerryTermConst\CADD\JACOBS\14w121c15-28.dwg				
PRINTED: 9:08:55 AM 9/21/2018	LAST PRINTED BY: DonielJL			FED.AID PROJ.NO.
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DESIGNED BY: K. BICHICH	9/21/2018			REGION NO. STATE
ENTERED BY: D. PERRY	9/21/2018			10 WASH
CHECKED BY: G. CALLAHAN	9/21/2018			JOB NUMBER
MAR PROJ ENGR: C. TORRES				18W121
DIR TERM ENGR: N. MCINTOSH				CONTRACT NO.
ASST SECRETARY: A. SCARTON				00****
	REVISION	DATE	BY	

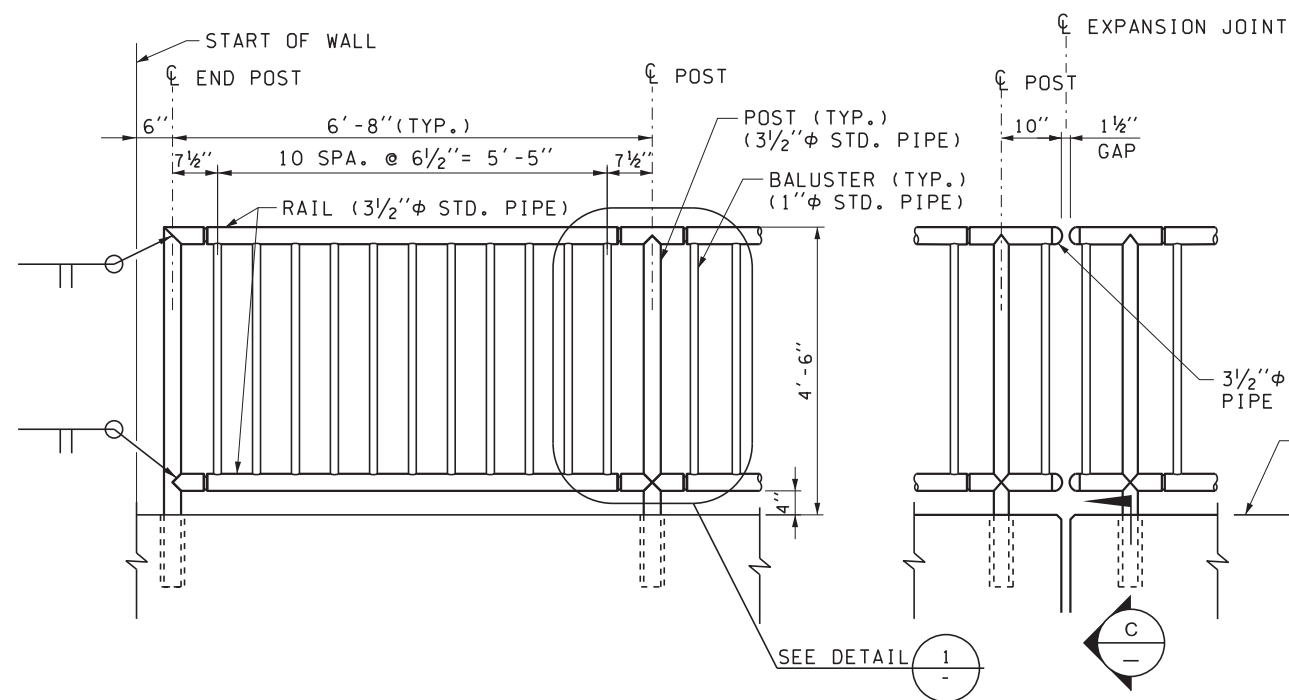


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**Washington State**  
Department of Transportation  
WASHINGTON STATE FERRIES

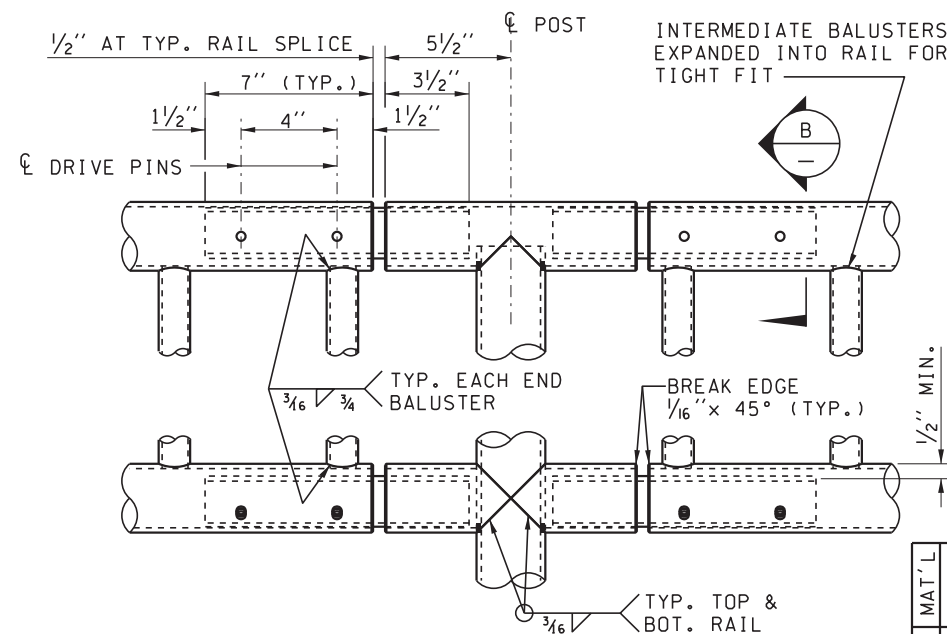
SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION  
WALL 4 - COMMUNICATIONS POLE  
SUPPORT DETAILS

C15.28  
SHEET  
336  
OF  
1521  
SHEETS



## ELEVATION - PEDESTRIAN RAILING WALLS 1, 2 & 6

TOP & BOTTOM RAILS PARALLEL TO GRADE.  
BALUSTERS NORMAL TO GRADE



## 1 DETAIL

3 1/2 inch STD. PIPE RAILING

3 inch STD. RAILING SPLICE  
EXTRUSION. DRILL 3/8 inch  
HOLE FOR 3/8 inch DRIVE PIN  
AT LOCATION SHOWN

3/8 inch DRIVE PINS \*

3 1/2 inch NOMINAL  
PIPE CAP (TYP.)

TOP OF SIDEWALK  
FINISHED GRADE =  
TOP OF WALL

1 inch STD. PIPE  
BALUSTER

CL RAILING & BALUSTER

## B SECTION OPTION #1

\* LOCATE ON OPPOSITE SIDE OF  
TRAFFIC. DRIVE PINS SHALL BE  
DRIVEN FLUSH WITH THE OUTSIDE  
FACE OF THE RAILING.

3 1/2 inch STD. PIPE RAILING

3 inch STD. RAILING SPLICE  
EXTRUSION. DRILL 3/8 inch  
HOLE FOR 3/8 inch DRIVE PIN  
AT LOCATION SHOWN

3/8 inch DRIVE PINS \*

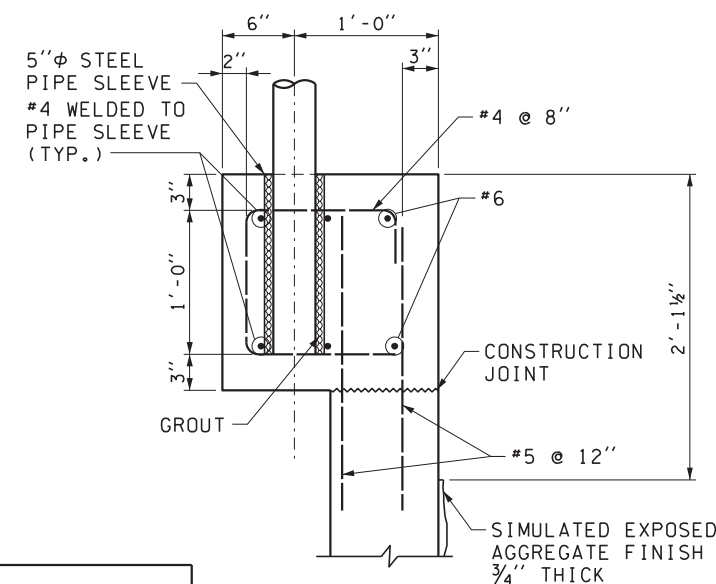
TYP. 3/16

1 inch STD. PIPE  
BALUSTER

CL RAILING & BALUSTER

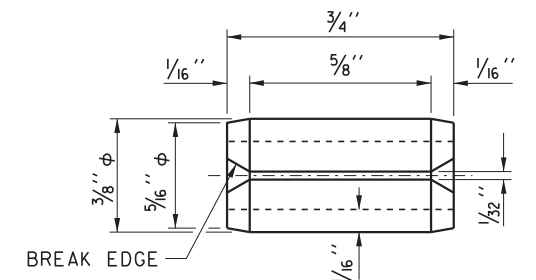
## B SECTION OPTION #2

\* LOCATE ON OPPOSITE SIDE OF  
TRAFFIC. DRIVE PINS SHALL BE  
DRIVEN FLUSH WITH THE OUTSIDE  
FACE OF THE RAILING.



## C SECTION

PEDESTRIAN RAILING POST  
FOUNDATION SECTION APPLIES TO  
SOLDIER PILE SEGMENT OF WALL 2  
ONLY. SEE SHEET C15.30 FOR  
PEDESTRIAN RAILING POST  
FOUNDATION SECTION FOR SE  
WALLS.



## DRIVE PIN DETAIL

SLOTTED TYPE SPRING PIN (ANSI B18.8.2)

## NOTES:

- PIPE RAILING AND PIPE RAILING SPLICES SHALL BE BENT TO THE HORIZONTAL CURVE WHERE THE RADIUS OF CURVATURE IS LESS THAN 200'. THESE ITEMS MAY BE HEATED TO NOT MORE THAN 400°F FOR A PERIOD NOT TO EXCEED 30 MINUTES TO FACILITATE FORMING OR BENDING TO HORIZONTAL CURVATURE.
- WELDING OF ALUMINUM SHALL CONFORM TO STD. SPEC. SECTION 9-28.14(3).
- AFTER FABRICATION, POSTS SHALL BE HEAT TREATED IN ACCORDANCE WITH SECTION 6.5 OF THE AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS DATED 2001.
- ALL ALUMINUM PARTS SHALL BE GIVEN A BRONZE ANODIC COATING OF AT LEAST 0.0006" THICK AND SEALED TO MEET THE REQUIREMENTS OF ASTM B 580 WITH A UNIFORM FINISH.

PART	MATERIAL SPECIFICATION
PIPES	ASTM B 221-6005-T5 SCHEDULE 40 (STD. PIPE) ASTM B 241 OR B 429 6061-T6
BAR	ASTM B 221-6005-T5
DRIVE PINS	ASTM A 276 TYPE 302 STAINLESS STEEL

FILE NAME: WSF\Mukilteo\14W121\_FerryTermConst\CADD\JACOBS\14w121c15-29.dwg

PRINTED: 9:41:01 AM 2/23/2018

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DESIGNED BY: K. BICHICH

ENTERED BY: D. PERRY

CHECKED BY: S. CHEUNG

MAR PROJ ENGR: C. TORRES

DIR TERM ENGR: N. MCINTOSH

ASST SECRETARY: A. SCARTON

LAST PRINTED BY:

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REVISION

DATE

BY

FED.AID

PROJ.NO.

WA-2017-007-00

REGION NO. STATE

10 WASH

JOB NUMBER

18W121

CONTRACT NO.

00\*\*\*\*\*



SR 525

MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION

PEDESTRIAN RAILING DETAILS

C15.29

SHEET

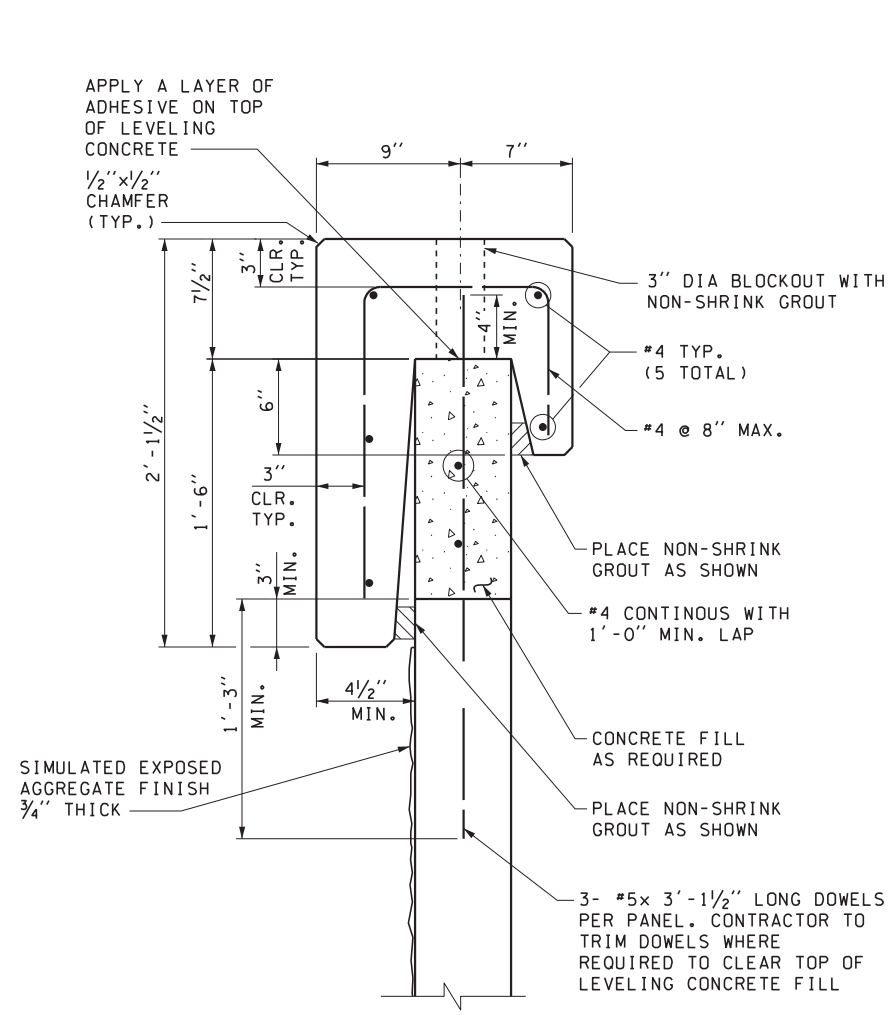
337

OF

1521

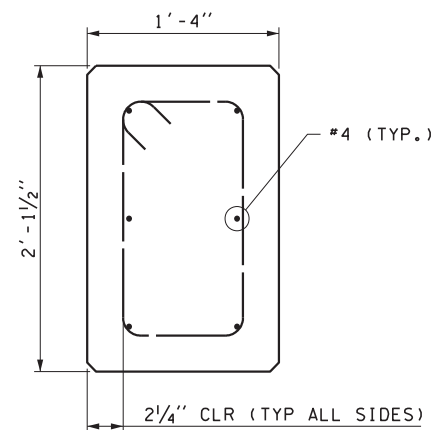
SHEETS



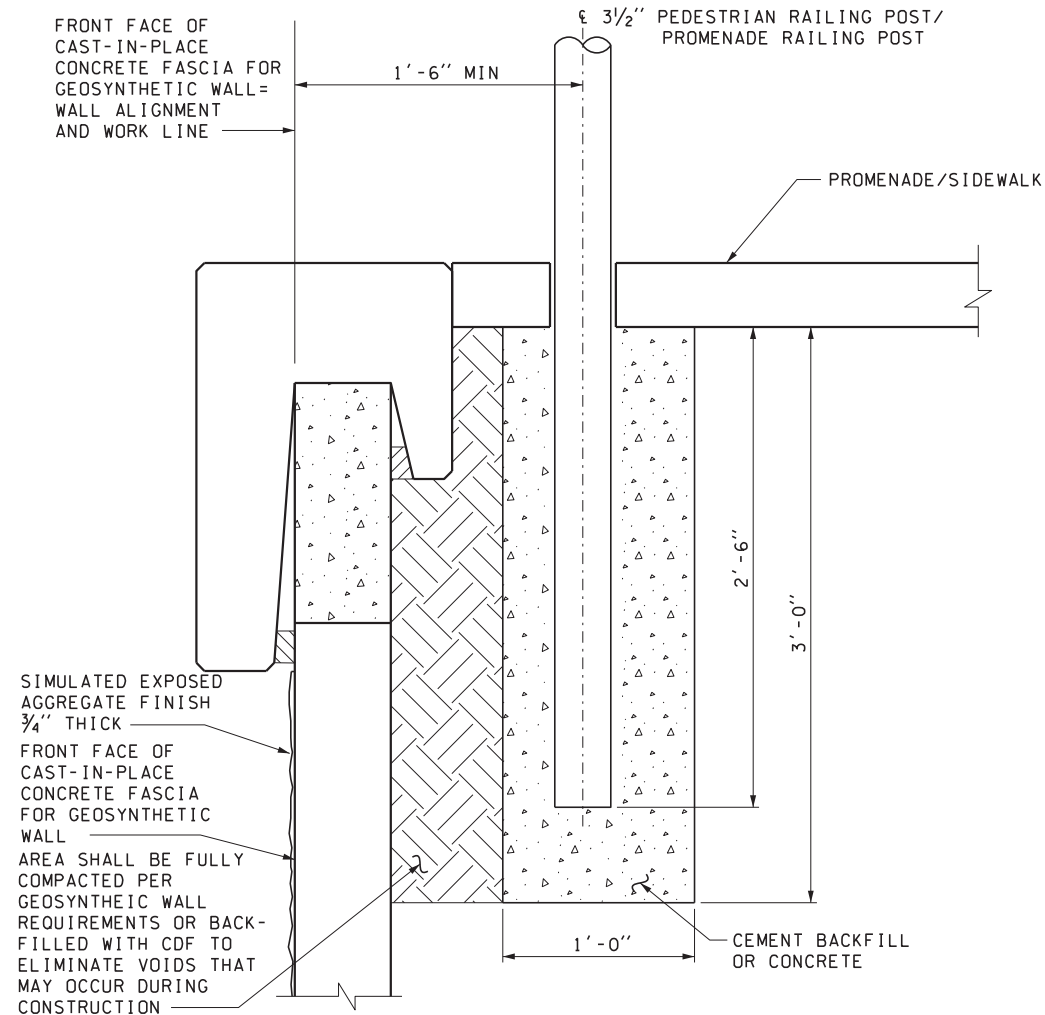


**COPING TYPICAL REINFORCEMENT**  
**WALLS 1,2,5 & 7**

\* GEOSYNTHETIC RETAINING WALL SEGMENT



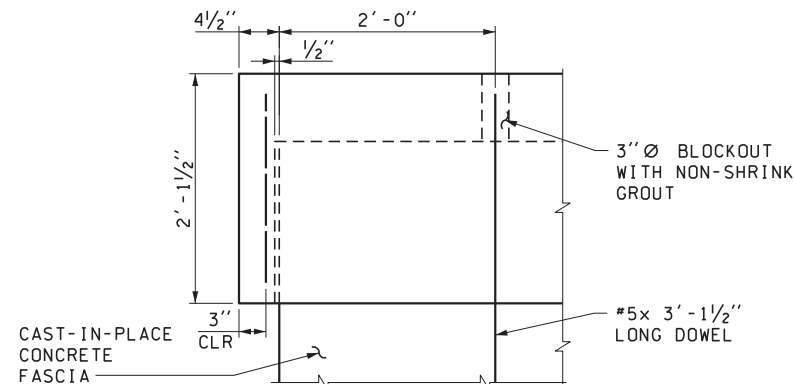
**TYPICAL COPING END SECTION**  
 NOT TO SCALE



**RAILING POST WITH COPING**  
**TYPICAL WALLS 1,2,5 & 7\*\***

\* GEOSYNTHETIC RETAINING WALL SEGMENT

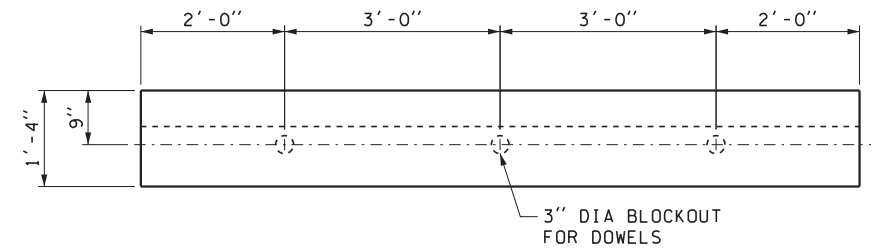
\*\* PEDESTRIAN RAILING TYPE DIFFERS FROM SHOWN. SEE SHEET C15.32 FOR PEDESTRIAN RAILING DETAIL FOR WALLS 5 AND 7



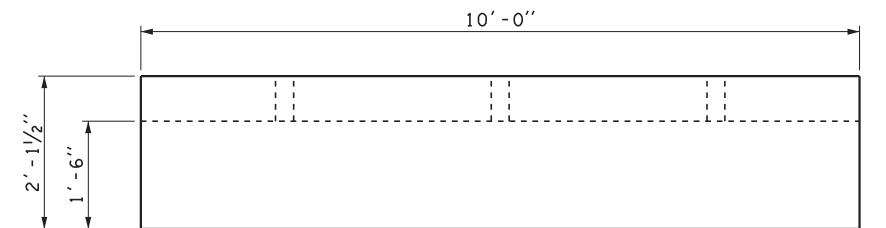
**TYPICAL COPING OVERHANG DETAIL**  
 NOT TO SCALE

**NOTES:**

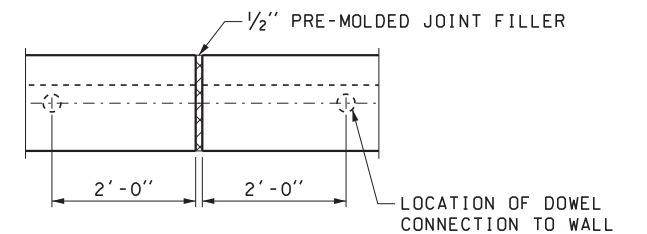
1. PLAN LENGTH OF PRECAST CAP SEGMENTS SHALL BE 10'-0" MAX.
2. SHIM RETAINING WALL CAP AS NEEDED TO ACHIEVE LEVEL CONSTRUCTION.
3. RETAINING WALL CAP SHALL HAVE A CLOSED END AT THE BEGINNING AND THE END OF OF THE WALL.
4. PLACE DOWELS TO AVOID WALL REINFORCEMENT.



**PLAN**



**ELEVATION**



**PRECAST JOINT DETAIL**

FILE NAME: WSF\Mukilteo\14W121\_FerryTermConst\CADD\JACOBS\ 14w121c15\_30.dwg

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DIR TERM ENGR: N. MCINTOSH

ASST SECRETARY: A. SCARTON

LAST PRINTED BY: DonielJL

9/21/2018

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9/21/2018

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REGION NO. STATE

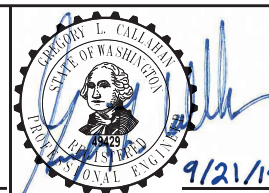
10 WASH

JOB NUMBER

18W121

CONTRACT NO.

00\*\*\*\*\*



**JACOBS**



**Washington State**  
**Department of Transportation**  
 WASHINGTON STATE FERRIES

SR 525

**MUKILTEO FERRY TERMINAL (PHASE 2)**  
**FERRY TERMINAL CONSTRUCTION**

**COPING DETAILS 1**

**C15.30**

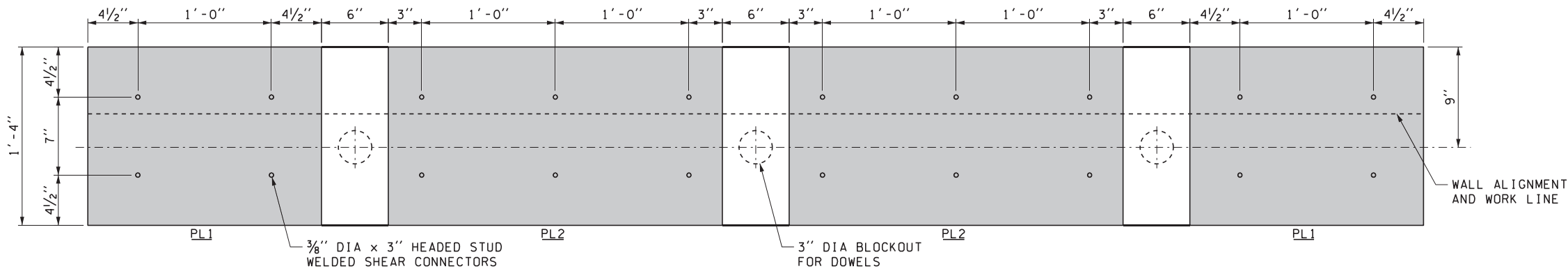
SHEET

338

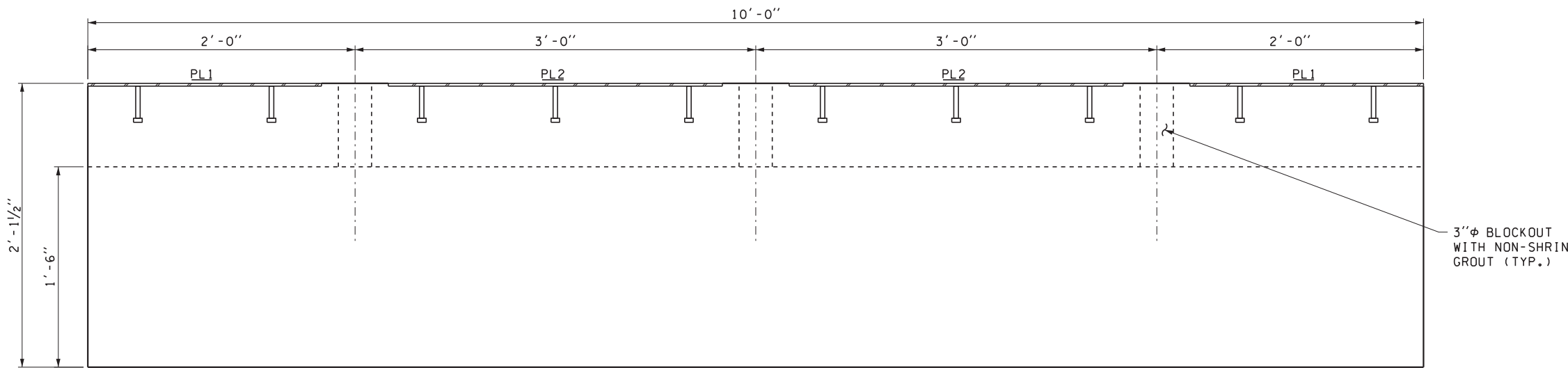
OF

1521

SHEETS



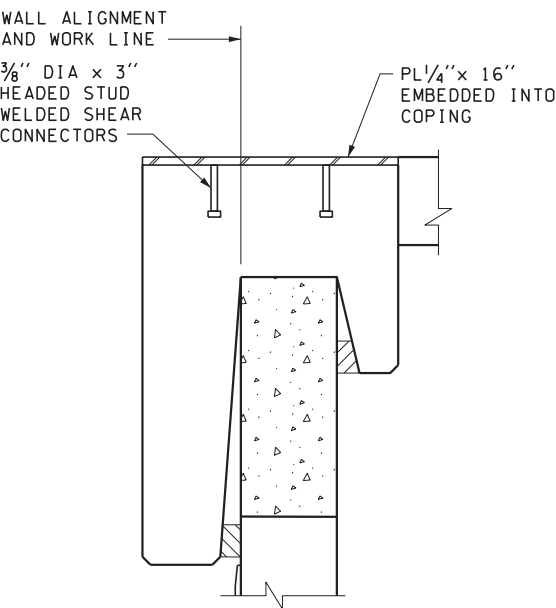
FISHING PIER LANDING PAD - PLAN





FISHING PIER LANDING PAD - ELEVATION

NOTES:

1. LANDING PAD SHALL BE PLACED ON 2 CAP SEGMENTS IN FRONT OF FISHING PIER.
2. PRECAST CAP JOINTS SHALL COINCIDE WITH PANEL FACING JOINTS.
3. SHIM RETAINING WALL CAP AS NEEDED TO ACHIEVE LEVEL CONSTRUCTION.
4. RETAINING WALL CAP SHALL HAVE A CLOSED END AT THE BEGINNING AND THE END OF THE WALL.
5. PLACE HEADED STUDS TO AVOID COPING REINFORCEMENT.
6. PL1: PL 1/4"x16"x1'-9"  
PL2: PL 1/4"x16"x2'-6"
7. PROVIDE 1/8"φ VENT HOLES IN PLATES TO ALLOW AIR TO ESCAPE DURING WET SETTING.
8. FISHING PIER LANDING PAD PLATES SHALL BE HOT DIP GALVANIZED PER FISHING PIER SPECIFICATIONS PRIOR TO EMBEDMENT INTO COPING.
9. HEADED STUD WELDED SHEAR CONNECTORS SHALL BE HOT DIP GALVANIZED PER AASHTO SPECIFICATION M232.
10. FISHING PIER LANDING PAD LIMITS SHALL MATCH FISHING PIER WIDTH.

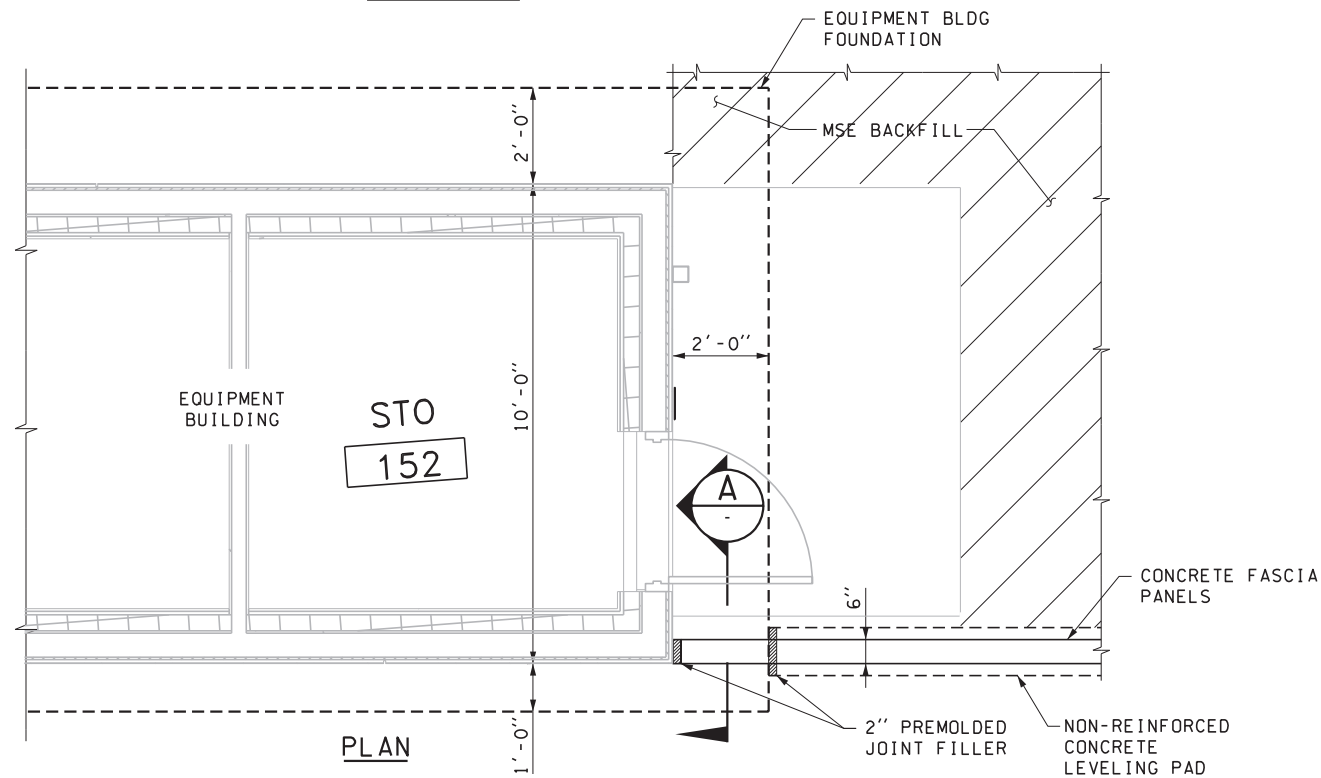
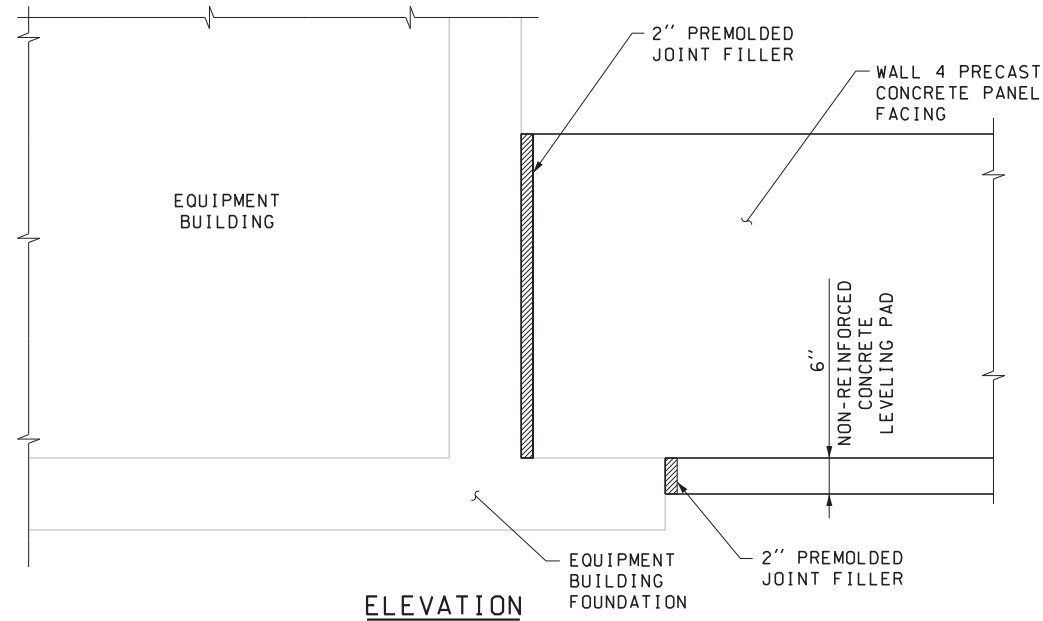


COPING WITH FISHING PIER LANDING PAD

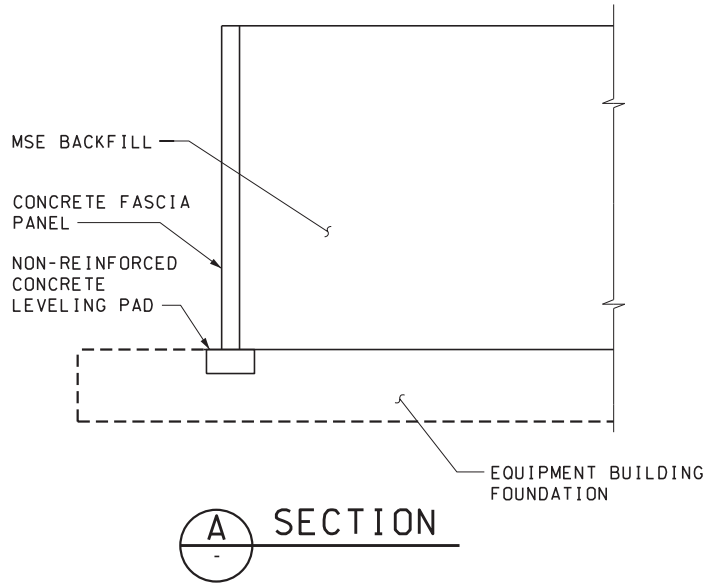
FILE NAME: WSF\Mukilteo\14W121_FerryTermConst\CADD\JACOBS\ 14w121c15_31.dwg												 <b>Washington State</b> <b>Department of Transportation</b> WASHINGTON STATE FERRIES		SR 525		C15.31
PRINTED: 8:46:23 AM 8/22/2018		LAST PRINTED BY:												MUKILTEO FERRY TERMINAL (PHASE 2)		
SUBMITTAL DATE: 08/23/18		ConradCS						FED.AID PROJ.NO.				FERRY TERMINAL CONSTRUCTION		SHEET		
DESIGNED BY: K. BICHICH		8/22/2018				WA-2017-007-00								339		
ENTERED BY: D. PERRY		8/22/2018						REGION NO. STATE						OF		
CHECKED BY: G. CALLAHAN		8/22/2018						10 WASH						1521		
MAR PROJ ENGR: C. TORRES								JOB NUMBER 18W121						SHEETS		
DIR TERM ENGR: N. MCINTOSH								CONTRACT NO. 00****								
ASST SECRETARY: A. SCARTON				REVISION		DATE		BY								

**NOTES:**

1. WALL 4 TO BE CONSTRUCTED AFTER EQUIPMENT BUILDING FOUNDATION.
2. FOR INFORMATION REGARDING BUILDINGS REFER TO BUILDING SHEETS.



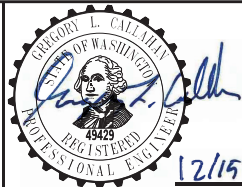
**WALL 4 TO EQUIPMENT BUILDING  
JOINT CONNECTION**



FILE NAME: WSF\Mukilteo\14W121\_FerryTermConst\CADD\JACOBS\14w121c15\_32.dwg

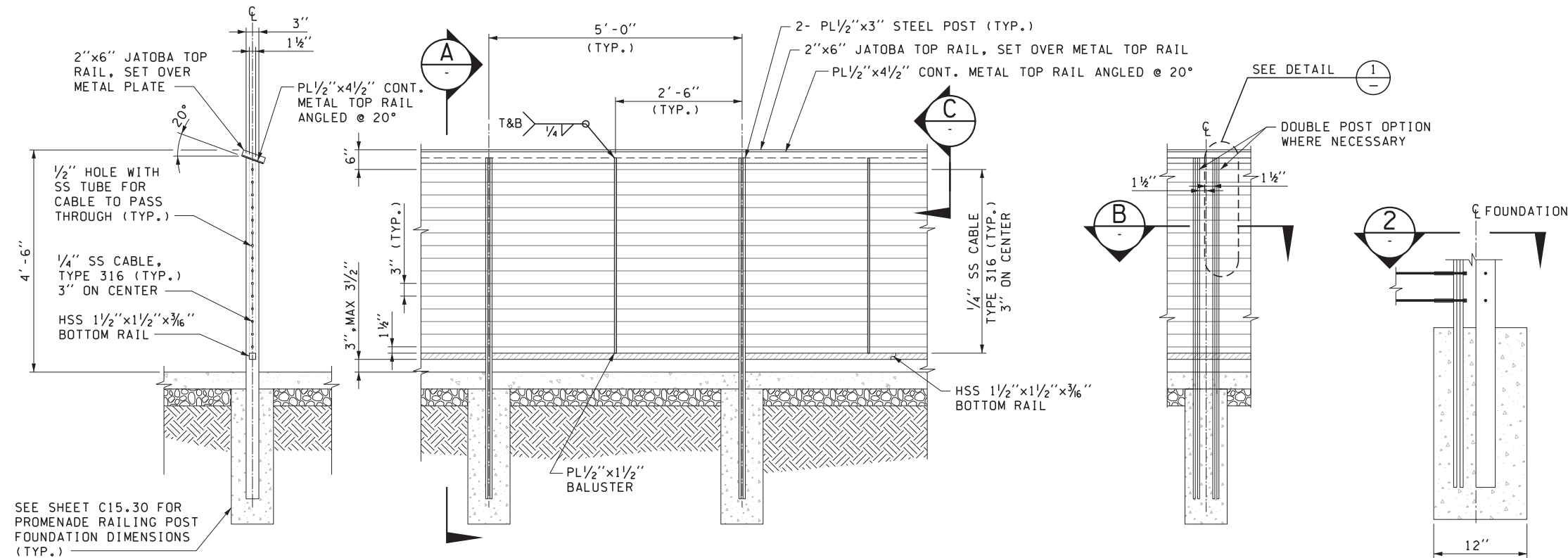
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SUBMITTAL DATE: 12/22/17					
DESIGNED BY: K. BICHICH	12/15/2017				
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CHECKED BY: G. CALLAHAN	12/15/2017				
MAR PROJ ENGR: C. TORRES					
DIR TERM ENGR: N. MCINTOSH					
ASST SECRETARY: A. SCARTON					
	REVISION	DATE	BY		

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WA-2017-007-00
REGION NO. STATE
10 WASH
JOB NUMBER
18W121
CONTRACT NO.
00*****



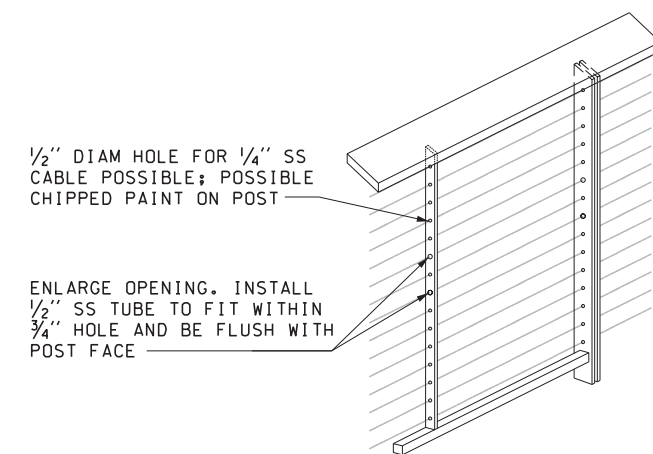
SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION  
WALL 4 TO EQUIPMENT BUILDING  
JOINT CONNECTION

C15.32  
SHEET  
340  
OF  
1521  
SHEETS

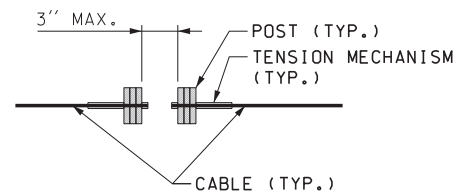


**A SECTION**

**ELEVATION - PROMENADE RAILING WALLS 5&7**

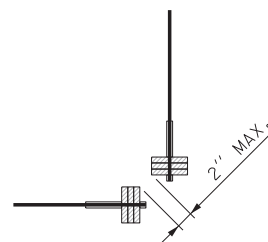


**ISOMETRIC VIEW**

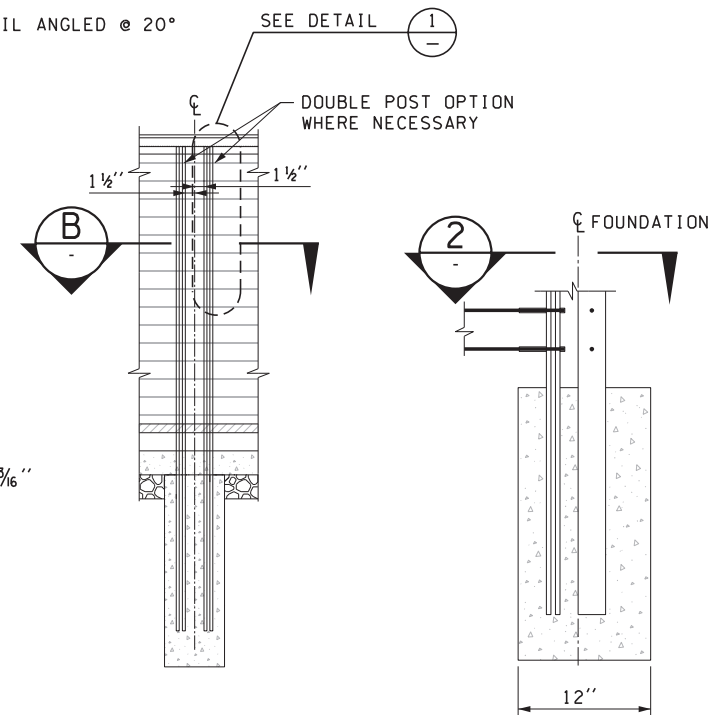


**B DETAIL**  
CABLE ATTACHMENT

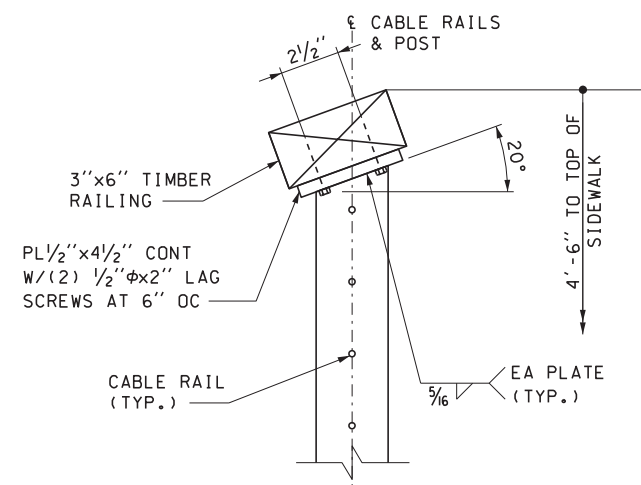
PL 1/2" x 1 1/2" x 1 1/2"  
BETWEEN STEEL POSTS AT  
CABLE ATTACHMENT POINTS  
AS NEEDED



**2 DETAIL**  
CORNER POST  
CABLE ATTACHMENT  
PL 1/2" x 1 1/2" x 1 1/2"  
BETWEEN STEEL POSTS AT  
CABLE ATTACHMENT POINTS  
AS NEEDED



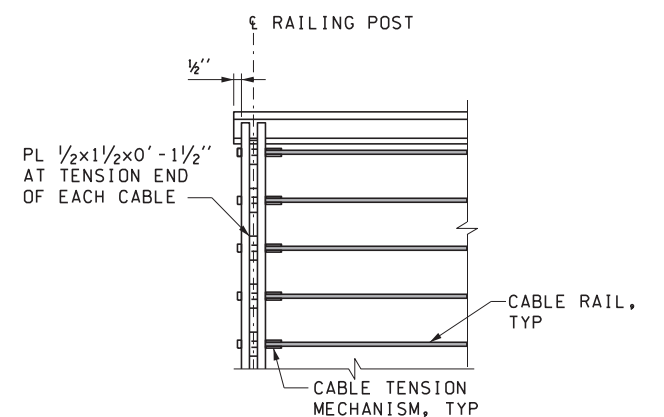
**CORNER POST  
FOUNDATION**



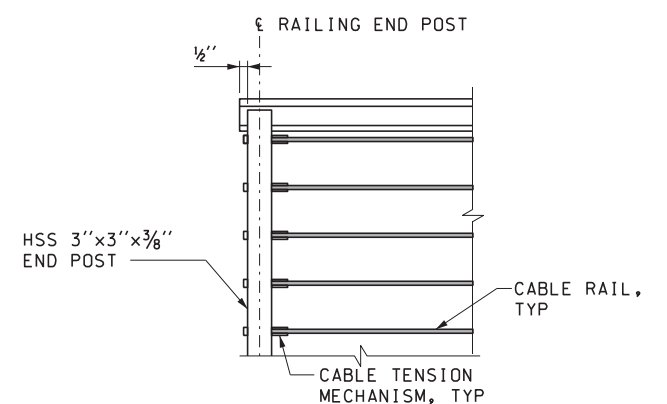
**C SECTION**  
TOP RAIL

**NOTES:**

- MATERIAL REQUIREMENTS SHALL BE:  
STEEL PLATES AND BARS  
-ASTM A 36 GR. 36  
STEEL RECTANGULAR TUBE:  
-ASTM A500 GR B  
STAINLESS STEEL CABLE SYSTEM  
1/4" SS CABLE:  
-1 X 19, TYPE 316  
1/2" STAINLESS STEEL TUBE:  
-ASTM A554 GRADE MT 316L  
FASTENER COMPONENTS:  
-TYPE 316
- ALL PLATES AND RAILS CONNECTED BY 1/4" FILLET WELD UNLESS OTHERWISE NOTED.



**1 DETAIL**  
POST WITH TENSION  
MECHANISM



**3 DETAIL**  
AT PROMENADE  
RAILING END POSTS

FILE NAME: WSF\Mukilteo\14W121\_FerryTermConst\CADD\JACOBS\ 14w121c15\_33.dwg

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DIR TERM ENGR: N. MCINTOSH

ASST SECRETARY: A. SCARTON

LAST PRINTED BY:

Contract:

12/15/2017

12/15/2017

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REVISION

DATE

BY

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WA-2017-007-00

REGION NO. STATE

10 WASH

JOB NUMBER

18W121

CONTRACT NO.

00\*\*\*\*



SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION  
PROMENADE RAILING DETAIL

C15.33

SHEET  
341  
OF  
1521  
SHEETS





1. THE CONTRACTOR SHALL ESTABLISH AND COORDINATE WITH THE ENGINEER THE EXACT BOUNDARY OF THE REVETMENT TOE PROTECTION.
2. CONTRACTOR SHALL RESTORE REVETMENT TO THE PRE-CONSTRUCTION CONDITIONS WHERE EXISTING REVETMENT IS DISTURBED OR REMOVED FOR WALL AND/OR INSTALLED REVETMENT TOE PROTECTION.
3. ELEVATIONS ARE VARIABLE ALONG LIMITS OF REVETMENT TOE PROTECTION AND SHALL BE CONSISTENT WITH ELEVATION OF ADJACENT EXISTING REVETMENT.




8/22/18

SHEET  
341A  
OF  
1521  
SHEETS

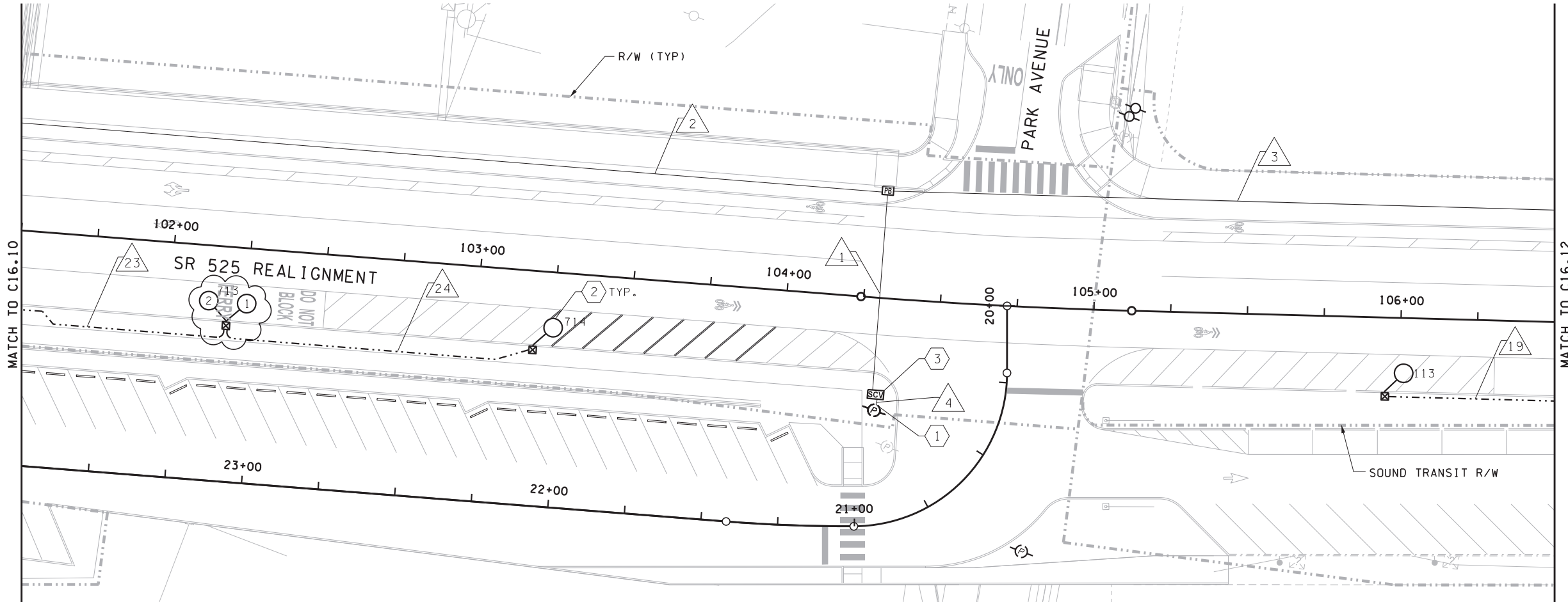
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SUBMITTAL DATE: 08/23/18			Conn:adCS					WA-2017-007-00	
DESIGNED BY: K. BICHICH			8/22/2018					REGION NO. STATE	
ENTERED BY: R. REISER			8/22/2018					10 WASH	
CHECKED BY: G. CALLAHAN			8/22/2018					JOB NUMBER	
MAR PROJ ENGR: C. TORRES								18W121	
DIR TERM ENGR: N. MCINTOSH							GC	CONTRACT NO.	
ASST SECRETARY: A. SCARTON			REVISION		DATE	BY		00****	

-----	TRAFFIC SIGNAL CONDUIT
—— BF ——	FIBER OPTIC INTERCONNECT CONDUIT
⊠	TYPE 1 JUNCTION BOX
◼	TYPE 2 JUNCTION BOX
■	TYPE 8 JUNCTION BOX
▣	PULL BOX
▤	PULL BOX
⊞	SMALL CABLE VAULT
⊠	SIGNAL CONTROLLER CABINET
⊞	UNINTERRUPTIBLE POWER SUPPLY (UPS)
○	TYPE 3 INDUCTION LOOP
◊	DIAMOND INDUCTION LOOP
▷	EMERGENCY VEHICLE PRE-EMPTION DETECTOR
←	VEHICLE SIGNAL HEAD
→	PEDESTRIAN SIGNAL HEAD
◻	PEDESTRIAN PUSH BUTTON
◻	FIXED-MOUNT CCTV CAMERA
◻	PTZ CCTV CAMERA
◻	VIDEO DETECTION CAMERA
⊞	MAST ARM MOUNTED SIGN
⊞	BLANK-OUT SIGN
⊞	TYPE 3 SIGNAL STANDARD
⊞	TYPE 1, PS, OR PEDESTRIAN PUSH BUTTON POLE
⊞	POLE NOTE
⊞	WIRE NOTE
⊞	MAST ARM SIGN INSTALLATION NOTE
⊞	CONSTRUCTION NOTE

1. ALL SIGNAL HEADS SHALL USE TUNNEL VISORS AND BACKPLATES. BACKPLATES SHALL HAVE YELLOW REFLECTIVE TAPE.
2. MAST ARM MOUNTED VEHICLE SIGNAL HEADS SHALL USE MOUNTING TYPE "M" AND POLE MOUNTED VEHICLE HEADS SHALL USE MOUNTING TYPE "K". PEDESTRIAN SIGNAL HEADS SHALL USE MOUNTING TYPE "D" ON ALL PS POLES.
3. ALL PEDESTRIAN PUSHBUTTON ASSEMBLIES SHALL BE FOUR-WIRE TYPE ACCESSIBLE PEDESTRIAN SIGNAL (APS) PUSHBUTTON ASSEMBLIES.
4. INSTALL PUSHBUTTON ASSEMBLY CONTROL BOARD IN EACH PEDESTRIAN SIGNAL HEAD HOUSING. TERMINATE THE 4C CABLES PER MANUFACTURER'S RECOMMENDATIONS.
5. SEE SHEET C16.51 FOR FIXED-MOUNT CCTV CAMERA CONNECTION AND MOUNTING DETAILS. REFER TO WSDOT STANDARD PLANS J-29.15-01 AND MANUFACTURER'S RECOMMENDATIONS FOR PTZ CCTV CAMERA MOUNTING DETAILS.
6. SEE C12 SERIES SHEETS FOR MAST ARM MOUNTED SIGN DETAILS.
7. ALL JUNCTION BOXES, PULL BOXES, AND SMALL CABLE VAULTS SHALL BE INSTALLED OUTSIDE OF WALKWAYS, IF POSSIBLE. ALL NEW JUNCTION BOXES, PULL BOXES, AND SMALL CABLE VAULTS WITHIN SIDEWALKS SHALL HAVE SLIP RESISTANT LIDS. THEY SHALL REMAIN WITHIN WSDOT RIGHT-OF-WAY.
8. ALL JUNCTION BOXES, PULL BOXES, AND SMALL CABLE VAULTS SHALL BE INSTALLED SUCH THAT THEY ARE NOT DIRECTLY IN FRONT OF ANY CABINET DOORS. THEY MUST BE TO THE SIDE OF THE DOORS OR AT LEAST 3 FEET AWAY FROM THE CABINET.
9. INSTALL A ONE-FOOT WIDE AND ONE-FOOT DEEP RECTANGULAR CONCRETE COLLAR AROUND THE PERIMETER OF EACH NEW TYPE 1 AND TYPE 2 JUNCTION BOX INSTALLED IN SOIL. THE EXPOSED PORTIONS SHALL BE FORMED TO HAVE A NEAT APPEARANCE. THE OUTSIDE EDGES OF THE COLLAR SHALL HAVE A  $\frac{3}{4}$ -INCH CHAMFER. THE CONCRETE MIX DESIGN SHALL BE COMMERCIAL CONCRETE PER STANDARD SPECIFICATION 6-02.3(2)B.
10. ALL SPARE SIGNAL CONDUCTORS SHALL BE COILED NEATLY IN THE PULL BOX ADJACENT TO THE SIGNAL CONTROLLER CABINET.

FILE NAME: WSF\Mukilteo\14W121_FerryTermConst\CADD\JACOBS\14w121c16_00.dlv												 <b>Washington State</b> <b>Department of Transportation</b> WASHINGTON STATE FERRIES		SR 525		C16.00
PRINTED: 11:53:40 AM 2/23/2018		LAST PRINTED BY:		FED.AID PROJ.NO.		MUKILTEO FERRY TERMINAL (PHASE 2)		SHEET								
SUBMITTAL DATE: 12/22/17		con:odcs		WA-2017-007-00		REGION NO. STATE			FERRY TERMINAL CONSTRUCTION		342 OF 1521					
DESIGNED BY: S. THOMS		2/23/2018		10 WASH		JOB NUMBER 18W121		SIGNALIZATION GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS		SHEETS						
ENTERED BY: S. THOMS		2/23/2018		CONTRACT NO. 00****												
CHECKED BY: S. KRISHNAN		2/23/2018														
MAR PROJ ENGR: C. TORRES																
DIR TERM ENGR: N. MCINTOSH																
ASST SECRETARY: A. SCARTON																
		REVISION		DATE		BY										



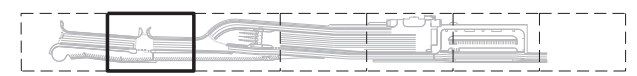


CONSTRUCTION NOTES:

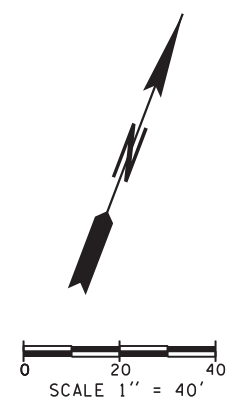
- 1 CONNECT NEW CONDUIT TO POWER POLE. SEE SHEET ESO2.11. RUN EXISTING FIBER OPTIC TO NEW SMALL CABLE VAULT.
- 2 INSTALL TYPE 3 INDUCTION LOOP DETECTOR(S). FOR LOOP INSTALLATION DETAIL SEE WSDOT STANDARD DETAIL SHEETS J-50.12-00 (4 LOCATIONS).
- 3 SPLICE NEW FIBER OPTIC WITH EXISTING FIBER OPTIC IN SMALL CABLE VAULT.

WIRING SCHEDULE					
△ NO.	CONDUIT SIZE	12 SMFO	24 SMFO	P/V DETECT 2C(S)	#8 GROUND
1	2"	1			
2	2"	1	1		
3	2"		1		
4	2"	1 EXIST			
19	2"			1	1
23	2"			3	1
24	2"			1	1

REFER TO SHEET E001.01 FOR FIBER SYSTEM BLOCK DIAGRAM.

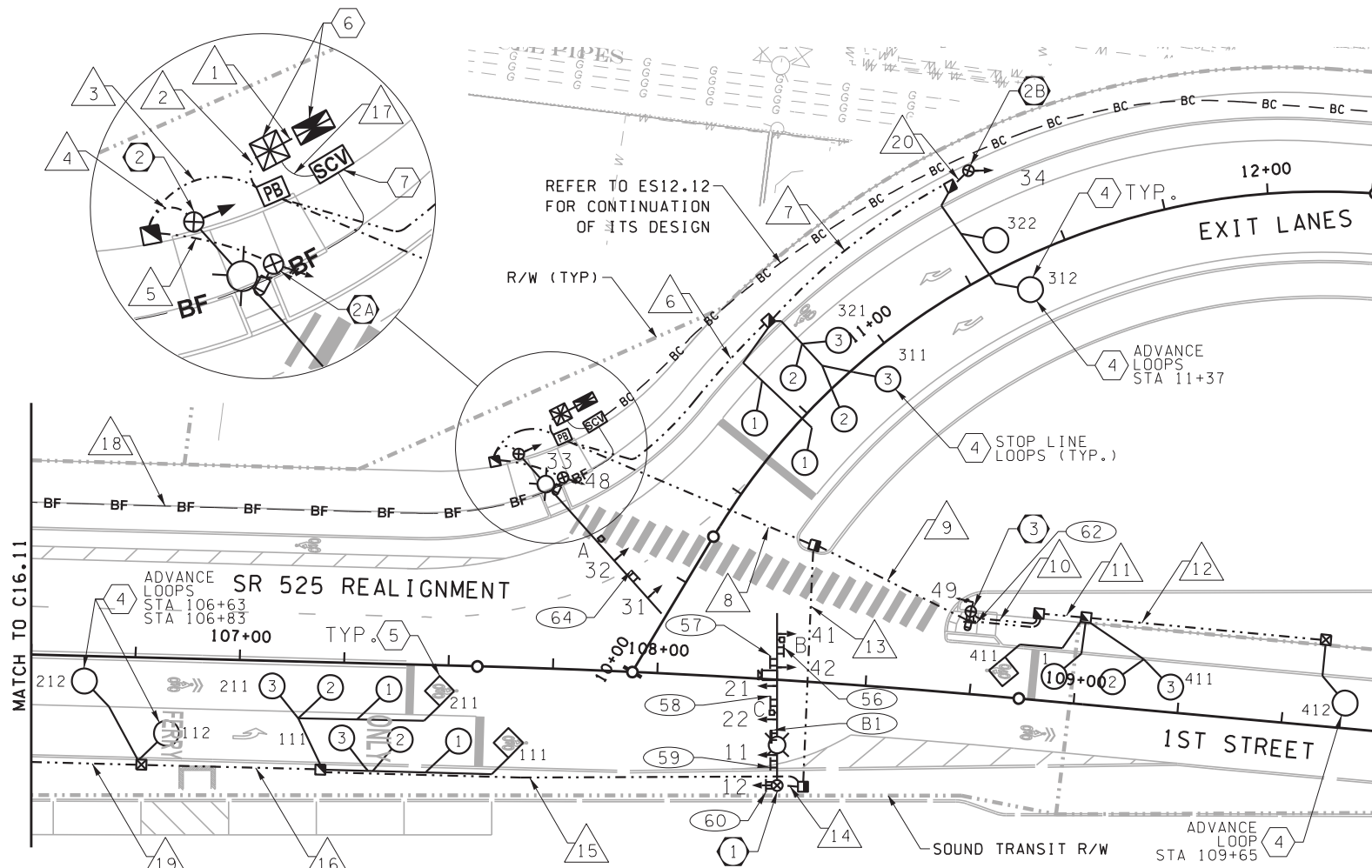


KEY PLAN



FILE NAME: WSF\Mukilteo\14W121_FerryTermConst\CADD\JACOBS\14w121c16-11.dwg				FED.AID PROJ.NO. WA-2017-007-00		Washington State Department of Transportation WASHINGTON STATE FERRIES	SR 525 MUKILTEO FERRY TERMINAL (PHASE 2) FERRY TERMINAL CONSTRUCTION	C16.11
PRINTED: 9:10:58 AM 8/23/2018								
SUBMITTAL DATE: 08/23/18		LAST PRINTED BY: nespodzanyR		REGION NO. STATE 10 WASH		SHEET 344 OF 1521 SHEETS	SIGNALIZATION INTERCONNECT	
DESIGNED BY: S. THOMS		8/23/2018		JOB NUMBER 18W121				
ENTERED BY: S. THOMS		8/23/2018		CONTRACT NO. 00****				
CHECKED BY: S. KRISHNAN		8/23/2018						
MAR PROJ ENGR: C. TORRES								
DIR TERM ENGR: N. MCINTOSH								
ASST SECRETARY: A. SCARTON								
REVISION		DATE		BY				





#### APS PUSHBUTTON MESSAGES

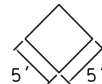
PHASE	MESSAGE
4	WALK SIGN IS ON TO CROSS FERRY ACCESS

#### BLANK-OUT SIGN DETAIL



#### DIAMOND LOOP DETAIL

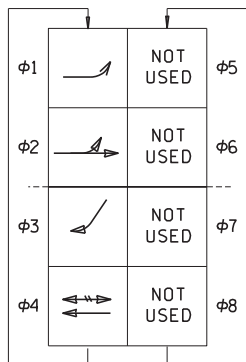
REFER TO WSDOT STANDARD DETAIL SHEET J-50.11-01 WITH MODIFIED SHAPE AND DIMENSIONS SHOWN BELOW.



#### PREEMPTION SCHEDULE

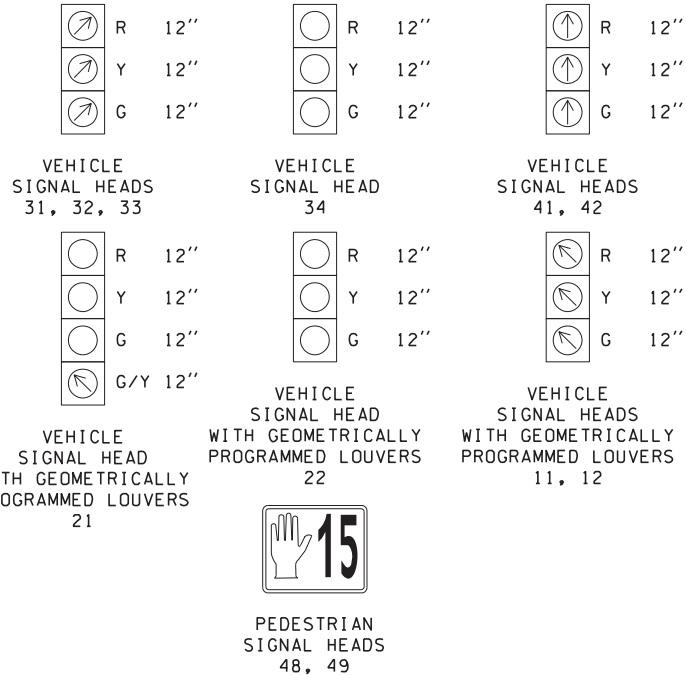
EVP	PHASE(S)	DETECTOR MODEL
A	3	OPTICOM 722
B	4	OPTICOM 711
C	1 & 2	OPTICOM 711 & OPTICOM 3100

#### PHASE DIAGRAM



→ VEHICLE/BICYCLE MOVEMENT  
↔ PED MOVEMENT  
OLA = 1 + 3  
OLB = 2 + 3

#### PROPOSED SIGNAL HEADS



#### SIGNAL CONSTRUCTION NOTES:

- 1 CONSTRUCT FOUNDATION AND INSTALL TYPE 3 SIGNAL STANDARD WITH LUMINAIRE AND SIGNAL MAST ARM. INSTALL FIVE VEHICLE SIGNAL HEADS, TWO EVP DETECTORS, FOUR SIGNS, ONE BLANK-OUT SIGN, AND FIXED-MOUNT CAMERA SR525E PER C16.51 ON MAST ARM. INSTALL LUMINAIRE ON LUMINAIRE ARM PER ILLUMINATION PLAN. INSTALL ONE VEHICLE HEAD, ONE SIGN, AND ONE TERMINAL CABINET ON THE POLE. FOR POLE LOCATION AND DETAILS SEE SHEET C16.21. FOR CAMERA INSTALLATION DETAILS SEE C16.51.
- 2 CONSTRUCT FOUNDATION AND INSTALL TYPE 3 SIGNAL STANDARD WITH LUMINAIRE AND SIGNAL MAST ARM. INSTALL TWO VEHICLE SIGNAL HEADS, ONE EVP DETECTOR, AND ONE SIGN ON MAST ARM. INSTALL LUMINAIRE ON LUMINAIRE ARM PER ILLUMINATION PLAN. INSTALL ONE VEHICLE SIGNAL HEAD AND ONE TERMINAL CABINET ON THE POLE. FOR POLE LOCATION AND DETAILS SEE SHEET C16.21.
- 2A INSTALL TYPE PS SIGNAL STANDARD WITH SLIP BASE PER WSDOT STANDARD PLANS J-20.10-03. INSTALL ONE APS PUSH BUTTON ASSEMBLY AND ONE LED COUNTDOWN PEDESTRIAN SIGNAL DISPLAY. FOR POLE LOCATION AND DETAILS SEE SHEET C16.21.
- 2B INSTALL TYPE 1 SIGNAL STANDARD WITH SLIP BASE PER WSDOT STANDARD PLANS J-21.10-04. INSTALL ONE VEHICLE SIGNAL HEAD. FOR POLE LOCATION AND DETAILS SEE SHEET C16.21.
- 3 INSTALL TYPE 1 SIGNAL STANDARD WITH SLIP BASE PER WSDOT STANDARD PLANS J-20.11-02. INSTALL ONE APS PUSH BUTTON ASSEMBLY AND ONE LED COUNTDOWN PEDESTRIAN SIGNAL DISPLAY. FOR POLE LOCATION AND DETAILS SEE SHEET C16.21.
- 4 INSTALL TYPE 3 INDUCTION LOOP DETECTOR(S). FOR LOOP INSTALLATION DETAIL SEE WSDOT STANDARD DETAIL SHEETS J-50.12-01 (20 LOCATIONS).
- 5 INSTALL DIAMOND INDUCTION LOOP DETECTOR(S) FOR BICYCLE DETECTION. SEE DETAIL THIS SHEET. FOR LOOP INSTALLATION DETAIL SEE WSDOT STANDARD DETAIL SHEETS J-50.11-01 (3 LOCATIONS).
- 6 CONSTRUCT TWO-CABINET FOUNDATION PER WSDOT STANDARD DETAIL SHEET J-10.10-03. INSTALL TYPE 332D SIGNAL CONTROLLER CABINET (NAME: TOLL PLAZA) AND UNINTERRUPTABLE POWER SUPPLY (525UP00858). ALL CABINET DOORS SHALL OPEN TO THE NORTHWEST SO A TECHNICIAN LOOKING INTO THE CABINETS IS ALSO FACING THE INTERSECTION. INSTALL 72-PORT PRETERMINATED PATCH PANEL, COMMUNICATION HARDWARE, AND FIXED-MOUNT CAMERA EQUIPMENT IN CONTROLLER CABINET. SEE ES02.12 FOR POWER SERVICE CONNECTION.
- 7 SPLICE FIBER OPTIC CABLES TO PRETERMINATED PATCH PANEL PER SHEET EB11.01.

#### WIRING SCHEDULE

△ NO.	CONDUIT SIZE	P/V DETECT 2C(S)	E.V. DETECT 3C(S)	P/V HEAD 5C	12 SMFO	24 SMFO	72 SMFO	CCTV cat6	POWER #6	GROUND #8	REMARKS
1	3"							1	3	1	SIGNAL POWER
	2"									1	SPARE
	2"									1	SPARE
2	3"	21	3	9						1	
	3"	2						1		1	
	2"	3								1	SPARE
	2"									1	SPARE
3	3"	1	1	2						1	
4	3"		1	1						1	
5	2"	1		1						1	
6	3"	8		1						1	
7	2"	2		1						1	
	3"	9	2	6						1	
8	3"	8						1		1	
	3"									1	SPARE
9	3"	6		1						1	
	3"									1	SPARE
10	2"	1		1						1	
11	2"	5								1	
12	2"	1								1	
	3"	11	2	5				1		1	
13	3"									1	SPARE
	3"									1	
14	3"		2	5				1		1	
15	3"	11								1	
16	2"	3								1	
	2"						1				INTERCONNECT *
17	2"									1	SPARE
	2"										INTERCONNECT
18	2"									1	
19	2"	1								1	
20	2"			1						1	

\* PRETERMINATED PATCH PANEL STUB



KEY PLAN

0 20 40  
SCALE 1" = 40'

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PEDESTRIAN  
SIGNAL HEADS  
48, 49



JACOBS



Washington State  
Department of Transportation  
WASHINGTON STATE FERRIES

SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION  
SIGNALIZATION PLAN  
SR525 REALIGNMENT AND 1ST STREET

C16.12

SHEET

345

OF

1521

SHEETS



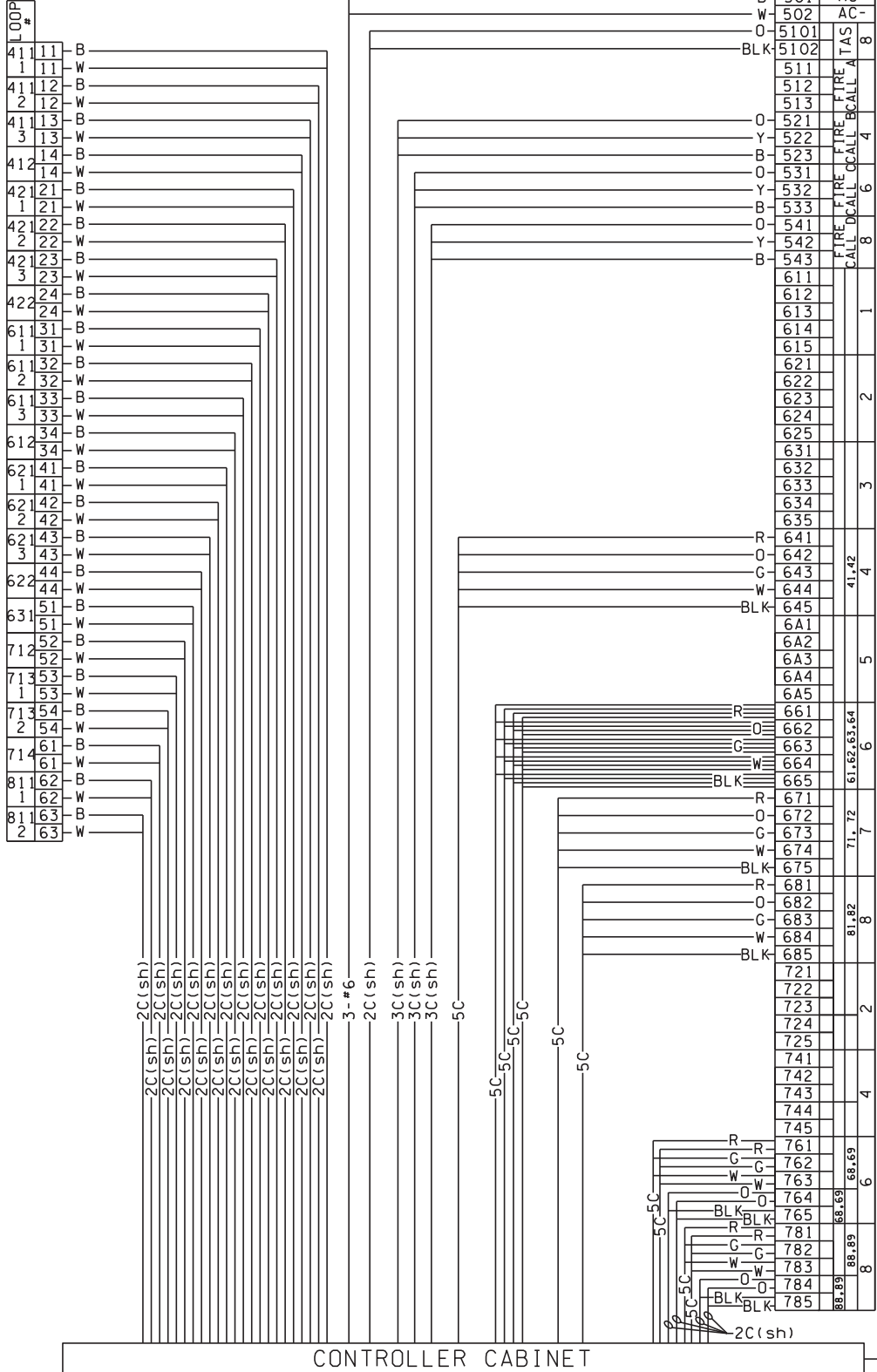




# NOTES:

NO TERMINAL REQUIRED.  
CONNECT IDENTIFIED WIRES  
TO NEUTRAL (AC-) BUS.

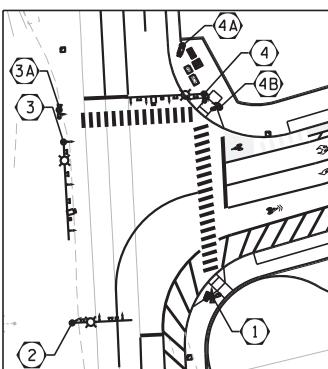
NO TERMINAL REQUIRED. CONNECT IDENTIFIED  
WIRES TO DETECTOR COMMON BUS.  
TERMINAL REQUIRED. CONNECT IDENTIFIED  
WIRES TO IDENTIFIED TERMINAL.



## NOTES:

- CONNECT ALL VEHICLE AND PEDESTRIAN HEADS WIRING AT TERMINAL BLOCK IN TERMINAL CABINET ATTACHED TO SIGNAL POLE.
- A 4C CABLE SHALL BE ROUTED BETWEEN EACH APS PUSHBUTTON ASSEMBLY AND THE NEAREST ASSOCIATED PEDESTRIAN SIGNAL DISPLAY HOUSING.
- INSTALL THE PUSHBUTTON ASSEMBLY CONTROL BOARD IN EACH PEDESTRIAN SIGNAL HEAD HOUSING. TERMINATE THE 4C CABLES PER MANUFACTURER'S RECOMMENDATIONS.
- ALL 2C(sh) CABLES SHALL RUN WITHOUT SPLICES FROM THE PEDESTRIAN PUSH BUTTON OR INDUCTION LOOP TO THE TERMINATION POINT INSIDE THE CONTROLLER CABINET.
- ALL 3C(sh) CABLES SHALL RUN WITHOUT SPLICES FROM THE OPTICOM DETECTORS TO THE TERMINATION POINT INSIDE THE CONTROLLER CABINET.
- ALL CONDUITS CONTAINING CONDUCTORS SHALL INCLUDE GROUND WIRE. GROUND WIRE SIZE SHALL MATCH THE LARGEST CONDUCTOR (MIN. #8 UNLESS OTHERWISE NOTED).
- ALL EMPTY/SPARE CONDUITS SHALL CONTAIN A #8 GROUND WIRE.

△ RUN NUMBER IN WIRING SCHEDULE.  
+ SPLICE OR TERMINATION IN CABINET



## WIRE NOTES:

2C(sh): 2 CONDUCTOR SHIELDED  
DETECTION  
3C(sh): 3 CONDUCTOR SHIELDED  
EVP LEAD-IN  
4C: 4 CONDUCTOR CABLE  
5C: 5 CONDUCTOR CABLE  
#8: GROUND CABLE  
12 SMFO: 12 STRAND SINGLE MODE  
FIBER OPTIC  
cat6: CCTV CAMERA CABLE  
VID: VIDEO DETECTION CABLE

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SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION  
SIGNALIZATION WIRING PLAN  
SR525 AND SR525 REALIGNMENT

C16.30

SHEET

348

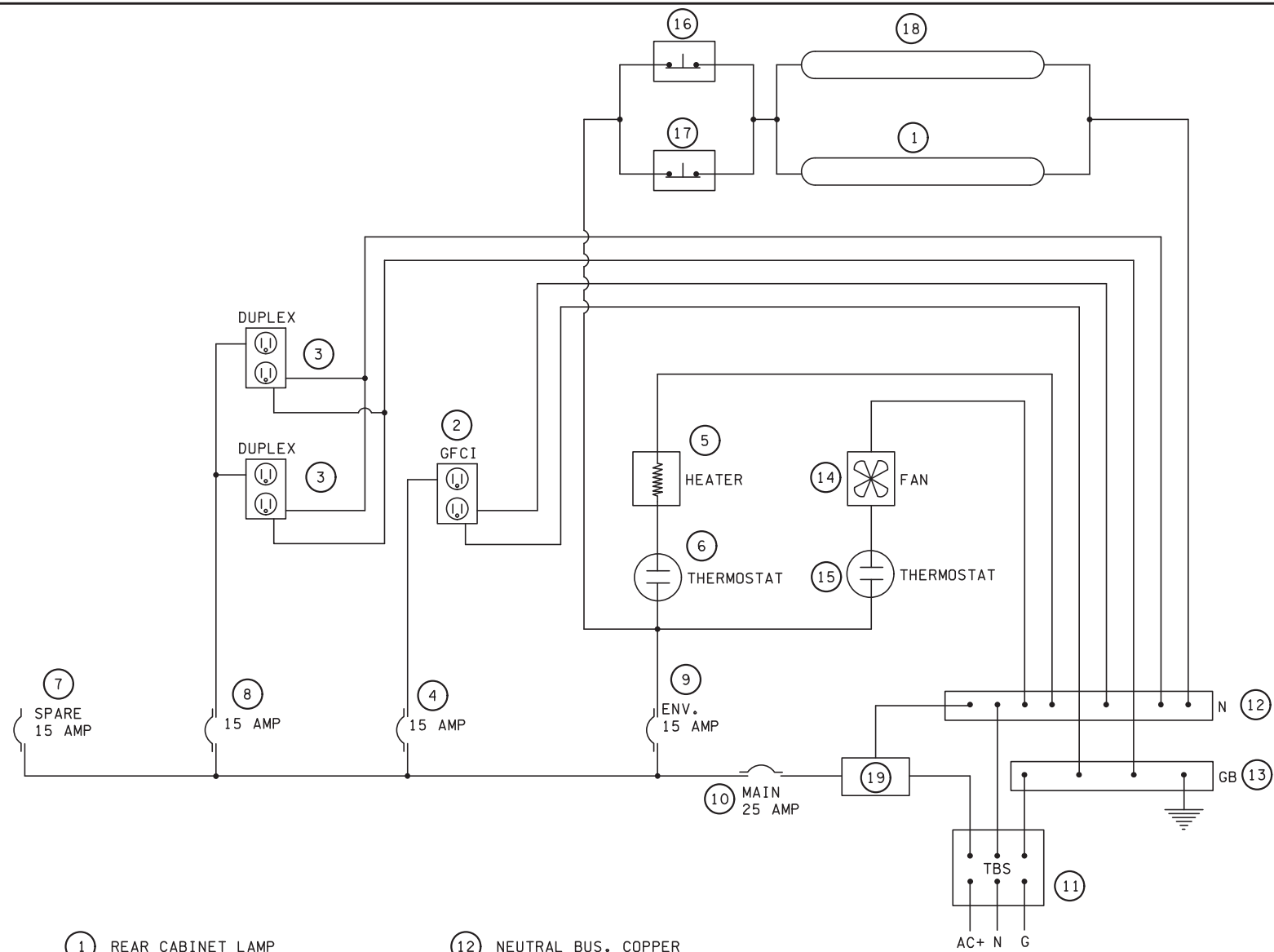
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1521

SHEETS

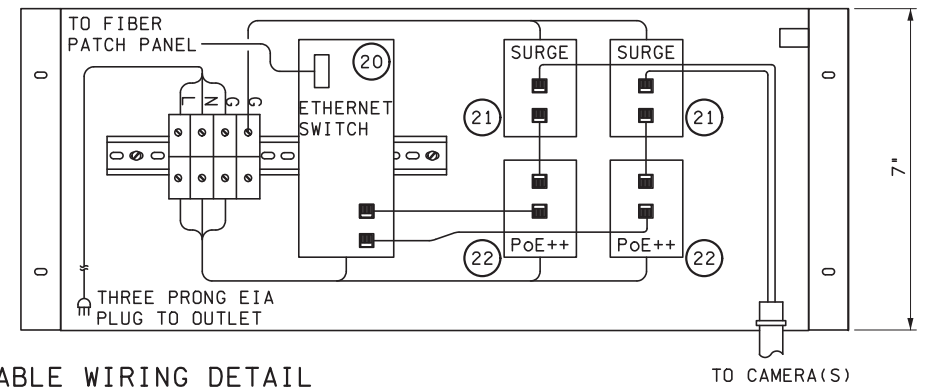




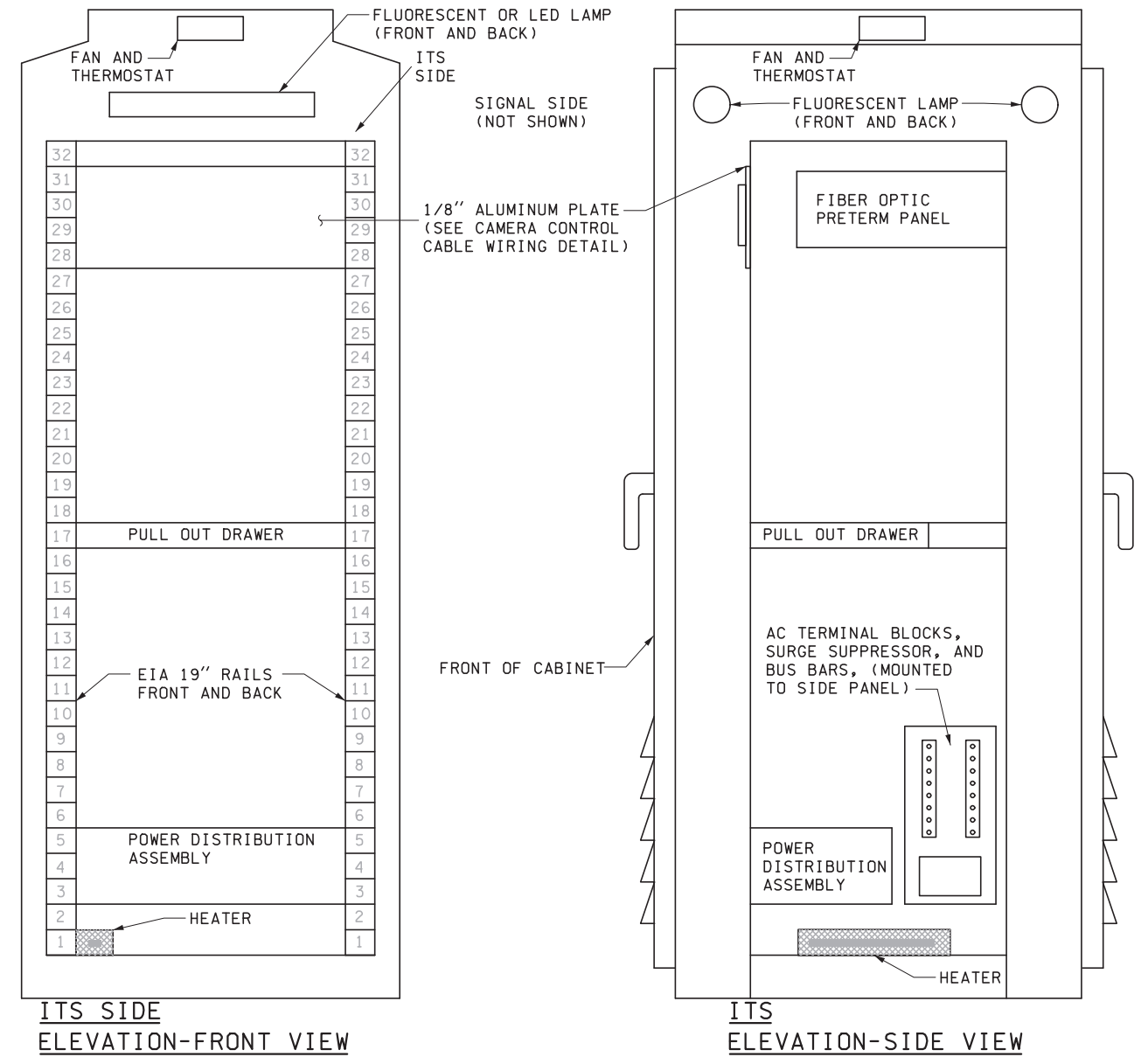


- |                                  |   |
|----------------------------------|---|
| ① REAR CABINET LAMP              | ⑫ NEUTRAL BUS, COPPER                                   |
| ② GFCI OUTLET DUPLEX RECEPTACLE  | ⑬ GROUND BUS, COPPER                                    |
| ③ EIA DUPLEX RECEPTACLE          | ⑭ COOLING FAN   |
| ④ 15 AMP BREAKER FOR GFCI OUTLET | ⑮ THERMOSTAT, 70°F CLOSURE                              |
| ⑤ 100 WATT STRIP HEATER          | ⑯ FRONT DOOR SWITCH (10 a), N.C.                        |
| ⑥ THERMOSTAT, 50° CLOSURE        | ⑰ REAR DOOR SWITCH (10 A), N.C.                         |
| ⑦ 15 AMP SPARE BREAKER           | ⑱ FRONT CABINET LAMP                                    |
| ⑧ 15 AMP RECEPTACLE BREAKER      | ⑲ SURGE SUPPRESSOR AND FILTER                           |
| ⑨ 15 AMP ENVIROMENTAL BREAKER    | ⑳ ETHERNET SWITCH, RUGGEDCOM, MODEL RS900-HI-D-L2-L2-00 |
| ⑩ 25 AMP MAIN BREAKER            | ㉑ PoE++ SURGE PROTECTOR, COHU, MODEL 741209-001         |
| ⑪ POWER TERMINAL BLOCK           | ㉒ PoE++ INJECTOR, COHU, MODEL 7412007-003               |

CABINET WIRING DIAGRAM



CAMERA CONTROL CABLE WIRING DETAIL



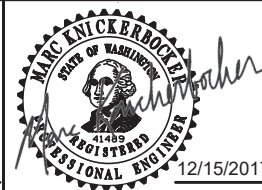
ITS SIDE  
ELEVATION-FRONT VIEW

ITS  
ELEVATION-SIDE VIEW



TYPE 332 D CABINET DETAILS  
NOT TO SCALE

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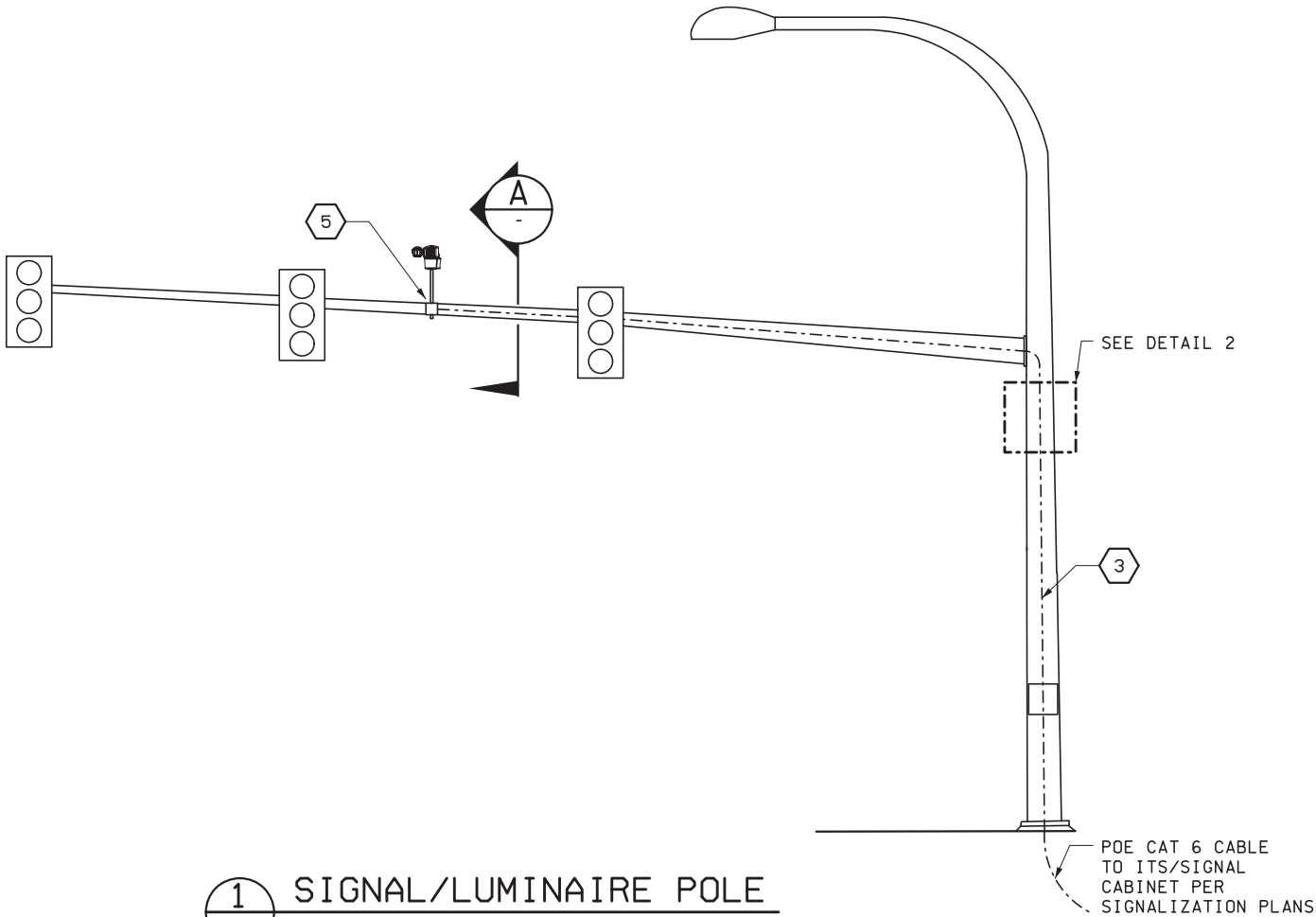


SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION  
FIXED CAMERA CABINET  
DETAILS

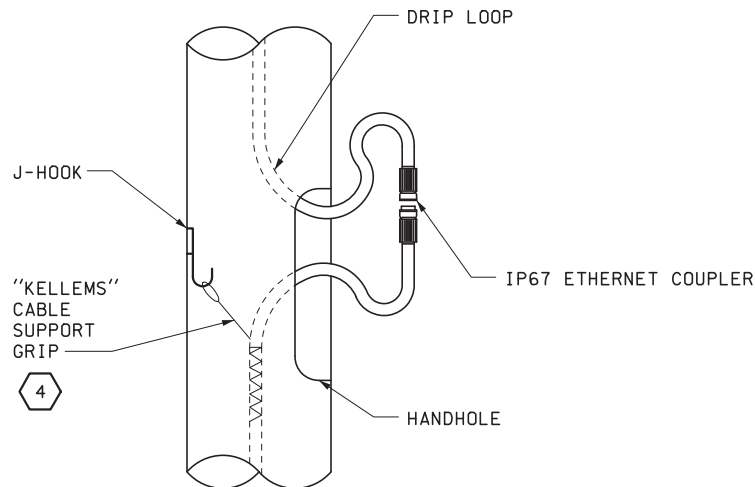
C16.50  
SHEET  
350  
OF  
1521  
SHEETS

CONSTRUCTION NOTES:

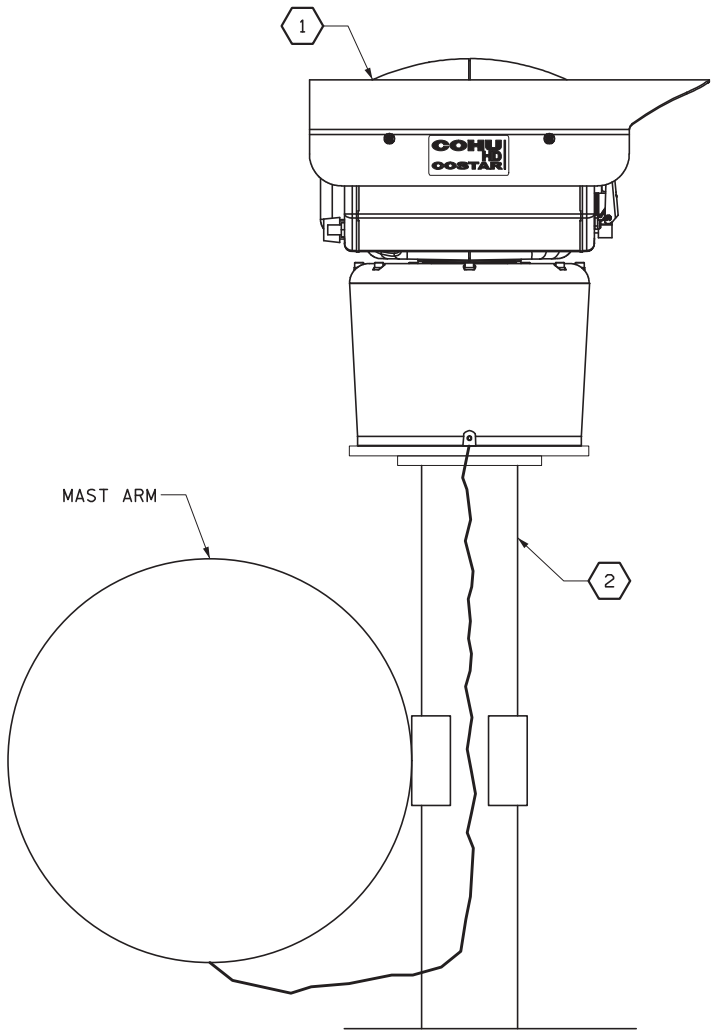
- 1
- PROVIDE COHU RISE CAMERA SYSTEM, MODEL 4261-1100.
- 2
- PROVIDE COMPATIBLE MAST ARM MOUNTING SYSTEM.  
EXAMPLE PRODUCT: COHU 2010815-001.
- 3
- PROVIDE COMPATIBLE, WEATHEPROOF CABLE PIGTAIL  
ASSEMBLY FROM CAMERA MANUFACTURER.
- 4
- CABLES INSIDE THE POLE SHALL BE SUSPENDED SUCH THAT  
NONE OF THE CABLE WEIGHT IS TRANSFERRED TO THE CABLE  
CONNECTIONS OR TERMINATIONS.
- 5
- LOCATE CAMERA ON SIGNAL MAST ARM PER SIGNALIZATION  
DRAWINGS C16.20 AND C16.21.



1 SIGNAL/LUMINAIRE POLE  
CAMERA MOUNT DETAIL NTS



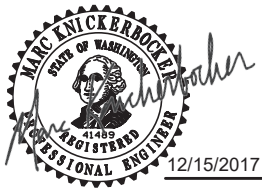
2 CAMERA CABLE  
DETAIL NTS



A SIGNAL MAST ARM MOUNT DETAIL  
NTS



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	REVISION	DATE	BY		



SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION  
TRAFFIC CAMERA  
DETAILS

C16.51  
SHEET  
351  
OF  
1521  
SHEETS

ELECTRICAL PLAN SYMBOLS

EQUIPMENT AND DEVICES

\$	SINGLE POLE TOGGLE SWITCH
\$&	SWITCH WITH SUBSCRIPT &. & CAN BE: 3 = 3-WAY TOGGLE SWITCH 4 = 4-WAY TOGGLE SWITCH b = TOGGLE SWITCH, SWITCH LEG B D = INTEGRAL 0-10V DIMMING DIAL O = INTEGRAL OCCUPANCY SENSOR V = INTEGRAL VACANCY SENSOR
▼	TELEPHONE OUTLET
▽	DATA OUTLET
JB or J	JUNCTION BOX (J-BOX)
⌚	MOTOR CONNECTION
□	PANEL OR CABINET
⊙	ENGINE GENERATOR
⊕	RECEPTACLE, 480V, 3 PHASE
⊙	GROUND ROD
⊙ <sub>T</sub>	GROUND TEST WELL
—	GROUND CABLE, 2'-6" (MIN) BELOW GRADE
30□	NONFUSED DISCONNECT SWITCH. SIZE INDICATED, 3 POLE UNLESS OTHERWISE INDICATED.
60/40□	FUSED DISCONNECT SWITCH. SIZE INDICATED, (60 = SWITCH RATING, 40 = FUSE RATING) 3 POLE UNLESS OTHERWISE INDICATED
60□	
1⊠	COMBINATION MAGNETIC STARTER, NEMA SIZE INDICATED, 3 POLE UNLESS OTHERWISE INDICATED.
Ⓣ	THERMOSTAT
Ⓣ	TRANSFORMER (PLAN)
Ⓜ	VAULT, UTILITY VAULT
□	HORN
⊠	TYPE 1 JUNCTION BOX PER STANDARD PLANS
⊠	TYPE 2 JUNCTION BOX PER STANDARD PLANS
⬛	TYPE 8 JUNCTION BOX PER STANDARD PLANS
⬡-xxx xxx	= EQUIP TAG = EQUIP RATING (HP OR WATT)
⊕	FIRST RESPONDER RADIO ENHANCEMENT ANTENNA
Ⓢ	PAGING SPEAKER
Ⓢ	WALL MOUNTED PAGING SPEAKER

LIGHTING

⬡ 310	LIGHT FIXTURE DESIGNATION, SEE LIGHT FIXTURE SCHEDULE FOR TYPE "A" 310 WATTS
⬡ E	SURFACE LIGHT FIXTURE ON EMERGENCY POWER TO SCALE ON DRAWINGS
⬡ E	
⬡ ○	SURFACE MOUNT LIGHT FIXTURE TO SCALE ON DRAWINGS
⬡ ○	
⬡ E	RECESSED LIGHT FIXTURE ON EMERGENCY POWER TO SCALE ON DRAWINGS
⬡ E	
⬡ ○	RECESSED OR LINEAR LIGHT FIXTURE TO SCALE ON DRAWINGS
⬡ ○	NL = NIGHT LIGHT. UNSWITCHED LIGHT OR ONE OR MORE UNSWITCHED LAMPS AS NOTED. NL
⬡ ○	7b = FED BY CIRCUIT #7, SWITCH LEG B. 7b
⬡ ○	
⬡ ○	STRIPLIGHT LUMINAIRE
⬡ ○	LINEAR WALL MOUNTED LUMINAIRE
⬡ ○	
⬡ ○	LIGHT FIXTURE
⬡ ○	LIGHT FIXTURE ON EMERGENCY POWER
⬡ ○	EMERGENCY LIGHTING UNIT
⬡ ○	EXIT SIGN, SURFACE OR CEILING MOUNTED, SINGLE FACE WITH DIRECTIONAL ARROWS AS INDICATED.
⬡ ○	EXIT SIGN, SURFACE OR CEILING MOUNTED, DOUBLE FACE WITH DIRECTIONAL ARROWS AS INDICATED.
⬡ ○	EXIT SIGN, WALL MOUNTED, SINGLE FACE WITH DIRECTIONAL ARROWS AS INDICATED.
⬡ ○	WALL MOUNTED LIGHT FIXTURE
⬡ ○	LIGHT POLE
⬡ ○	WALL WASHER
⬡ ○	IN-GRADE UPLIGHT LUMINAIRE

RECEPTACLES

⬡ GFI	DUPLEX RECEPTACLE
⬡ GFI	DUPLEX RECEPTACLE, GFI=GROUND FAULT INTERRUPTER PROTECTED
⬡ WP	DUPLEX RECEPTACLE, WP = WEATHERPROOF COVER
⬡	SIMPLEX RECEPTACLE
⬡	4-PLEX RECEPTACLE
⬡ <sub>SP</sub>	SURGE PROTECTIVE DUPLEX RECEPTACLE
⬡ <sub>WR</sub>	WEATHER RESISTANT DUPLEX RECEPTACLE

RACEWAY/CIRCUIT DESIGNATIONS

P***	CONDUIT/CIRCUIT TAG, SEE CONDUIT AND CABLE SCHEDULE
⬡ L1/3,5	CONDUIT: TICS DENOTE QUANTITY OF WIRES, LONG = NEUTRAL, CROSS TIC = GROUND, MIN 3/4"C, #12 AWG UNLESS NOTED OTHERWISE, ARROW = HOMERUN, L1/3,5 = PANEL/CIRCUIT
⬡	LB, LR, OR LL TYPE CONDUIT BODY TURNING AWAY FROM VIEWER
⬡	LB, LR, OR LL TYPE CONDUIT BODY TURNING TOWARDS VIEWER
⬡	LB, LR, OR LL TYPE CONDUIT BODY
⬡	T TYPE CONDUIT BODY
⬡	FLEXIBLE CORD OR CABLE
— HT —	HEAT TRACE
— OP —	OVERHEAD POWER
— BP —	BURIED POWER
— OC —	OVERHEAD COMMUNICATIONS OR CONTROL
— BC —	BURIED COMMUNICATIONS OR CONTROL
—	HEAVY SOLID LINES INDICATE NEW CONDUIT MATERIAL AND EQUIPMENT THAT IS EXPOSED
—	SCREENED SOLID LINES INDICATE EXISTING CONDUIT MATERIAL AND EQUIPMENT THAT IS EXPOSED
-----	HEAVY DASHED LINES INDICATE NEW CONDUIT MATERIAL AND EQUIPMENT THAT IS HIDDEN FROM VIEW
-----	SCREENED DASHED LINES INDICATE EXISTING CONDUIT MATERIAL AND EQUIPMENT THAT IS HIDDEN FROM VIEW

FIRE ALARM DEVICES

- BCL - -	UNDERGROUND COMMUNICATIONS
⬡	FIRE ALARM HORN/STROBE
⬡	FIRE ALARM CONTROL PANEL
⬡	FIRE ALARM TERMINAL CABINET
⬡	AMPLIFIER RACK
⬡	BATTERY CABINET
⬡	ELEVATOR STATUS/RECALL
⬡	PRE-ACTION SYSTEM/CONTROL UNIT
⬡	FIRE ALARM ANNUNCIATOR
⬡ <sub>Re</sub>	END OF LINE DEVICE - RESISTOR
⬡	FIRE SMOKE DAMPER
⬡	FIRE ALARM STROBE
⬡	DUST COLLECTOR CONTROL PANEL
⬡	DUST COLLECTOR CONTROL PANEL
⬡	ADDRESSABLE OUTPUT CONTROL MODULE
⬡	ADDRESSABLE INPUT MONITOR MODULE
⬡ <sub>2</sub>	ADDRESSABLE INPUT/OUTPUT MODULE # DENOTES NUMBER OF INPUTS AND OUTPUTS
⬡	SMOKE DETECTOR/SENSOR - BASIC SHAPE ORIENTATION NOT TO BE CHANGED
⬡	HEAT DETECTOR/SENSOR - (THERMAL DETECTION) ORIENTATION NOT TO BE CHANGED
⬡	REMOTE ALARM INDICATING AND TEST SWITCH
⬡	FIRE SERVICE OR EMERGENCY PHONE STATION - BASIC SHAPE
⬡ <sub>CD</sub>	COMBINATION SPEAKER/VISIBLE - CEILING MOUNT CD= CANDELA RATING/SETTING W= WATTAGE
⬡	FLOW SWITCH
⬡	PRESSURE SWITCH
⬡	TAMPER SWITCH
⬡	PULL STATION

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ASST SECRETARY: A. SCARTON		REVISION	DATE	BY		



SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION

ELECTRICAL SYMBOLS I

EG01.00

SHEET  
352  
OF  
1521  
SHEETS





GENERAL NOTES:

1. DIMENSIONS & SIZES SHOWN ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED.
2. THE CONTRACTOR SHALL FIELD VERIFY THE EXISTING CONDITIONS AS DEPICTED ON THESE PLANS INCLUDING QUANTITIES, LOCATIONS, RATINGS, AND FUNCTION OF EXISTING EQUIPMENT, CONDUIT, AND WIRE. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND SHALL ASSUME FULL RESPONSIBILITY FOR MEASURED QUANTITIES.
3. THE CONTRACTOR SHALL COORDINATE POWER, CONTROL, AND COMMUNICATIONS SYSTEMS SHUTDOWN WITH THE ENGINEER TO MINIMIZE DISRUPTION OF NORMAL FACILITY OPERATION.
4. CONDUIT AND WIRE NOTED FOR DEMOLITION SHALL BE REMOVED FROM THEIR POINT OF BEGINNING TO WHERE THEY TERMINATE. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ALL ABANDONED WIRING ENCOUNTERED.
5. EQUIPMENT DIMENSIONS AND CONFIGURATION SHOWN ARE APPROXIMATE. ACTUAL SIZE AND LAYOUT SHALL BE PER THE ENGINEER APPROVED CONTRACTOR'S SHOP DRAWINGS.
6. CONTRACTOR IS RESPONSIBLE FOR ARRANGING AND PROVIDING TEMPORARY POWER AND LIGHTING FOR WORK AREAS.
7. PROVIDE CONDUIT TAGS FOR ALL EXISTING AND NEW CONDUITS INDICATED ON THE PLANS.
8. SIZE JUNCTION BOXES PER NEC 314.28 UNLESS SHOWN OTHERWISE ON PLANS.

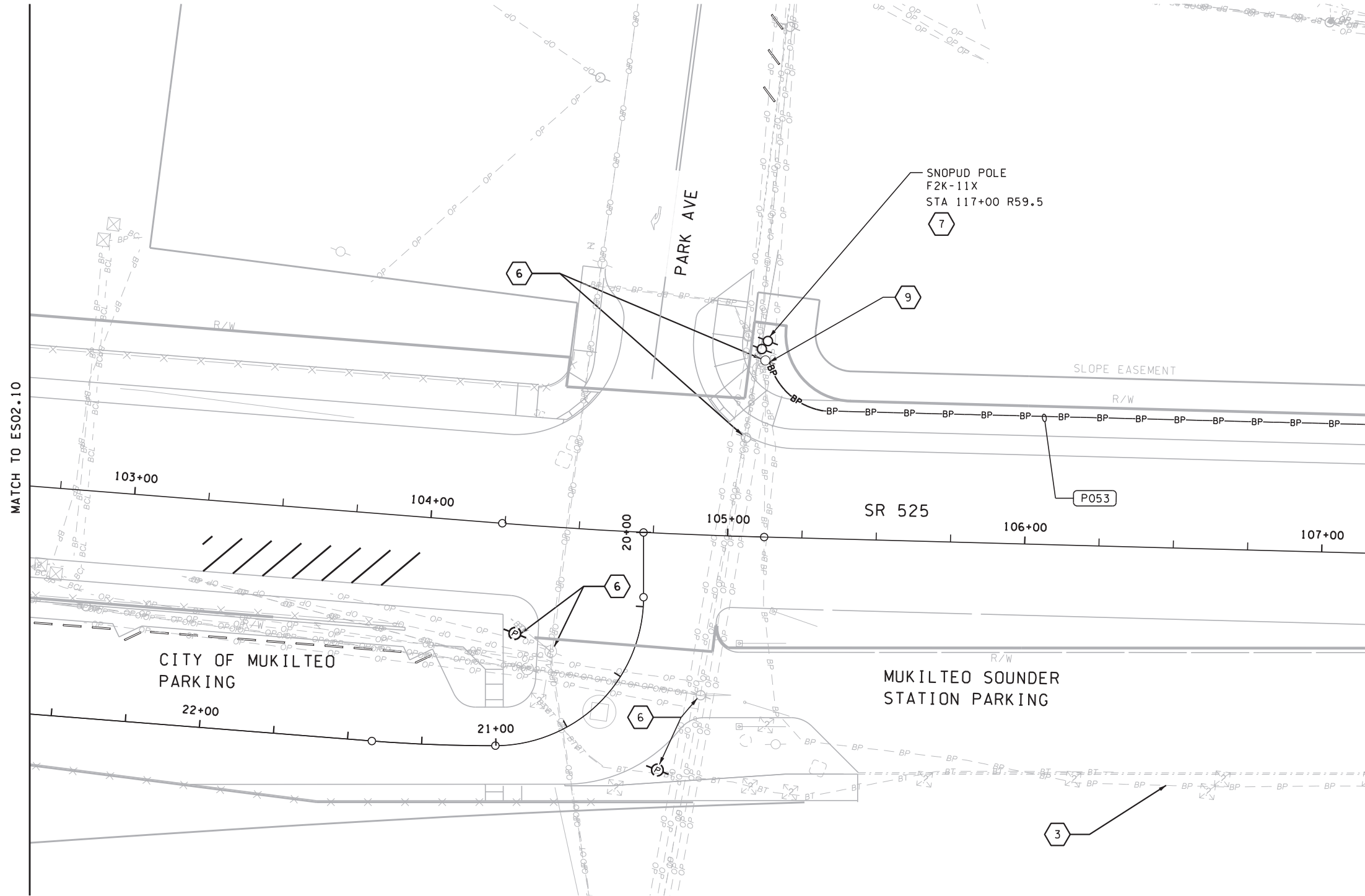
CABLE & CONDUIT ABBREVIATIONS

2"C,10#12,2#12SP,#12G(C10)	2" CONDUIT, TYPE PER SPECIAL PROVISIONS; TEN #12 CONDUCTORS PLUS TWO SPARE #12'S AND A #12 GROUND CONDUCTOR, INSULATION TYPE PER SPECIAL PROVISIONS; "C10" CONDUIT LABEL.
1½"C(C100)	1½" CONDUIT, TYPE PER SPECIAL PROVISIONS; SEE ONE-LINES OR PLANS FOR ENCLOSED CABLE AND WIRE INFORMATION; "C100" CONDUIT LABEL.
¾"EC (F10)	¾" EMPTY CONDUIT WITH PULL STRING, TYPE PER SPECIAL PROVISIONS; "F10" CONDUIT LABEL.
1"LFMC(H10)	1" LIQUIDTIGHT FLEXIBLE METAL CONDUIT, SEE ONE-LINES OR PLANS FOR ENCLOSED CABLE AND WIRE INFORMATION; "H10" CONDUIT LABEL. (LFMC, EC = EMPTY LIQUIDTIGHT FLEXIBLE METAL CONDUIT)
24/C#12(10)	MULTICONDUCTOR CABLE. TWENTY-FOUR CONDUCTORS, SIZE #12; "10" CABLE LABEL.

ABBREVIATIONS

A, AMP(S)	AMPERE(S)	HF	HEADFRAME	POS	POINT OF SALE
AB	ALLEN-BRADLEY	HGR	HANGER	PR	PAIR
AF	AMPERE FRAME	HH	HANDHOLE	PROX	PROXIMITY
AFF	ABOVE FINISH FLOOR	HID	HIGH INTENSITY DISCHARGE	PS	PRESSURE SWITCH
AG	AUXILIARY GUTTER	HOA	HAND-OFF-AUTO	PSE	PUGET SOUND ENERGY
AIC	AMPERES INTERRUPTING CAPACITY	HP	HORSEPOWER	PT	POTENTIAL TRANSFORMER
ALRM	ALARM	HPS	HIGH PRESSURE SODIUM		PRESSURE TRANSDUCER
ANN, ANNC	ANNUNCIATOR	HPU	HYDRAULIC POWER UNIT	PTT	PUSH TO TEST
APPROX	APPROXIMATELY	HT	HEAT TRACE	PVC	POLYVINYL CHLORIDE CONDUIT
AT	AMPERE TRIP	HYD	HYDRAULIC	PWR	POWER
ATS	AUTOMATIC TRANSFER SWITCH				
AUX	AUXILIARY			R	RELAY, RIGHT
AWG	AMERICAN WIRE GAUGE			RECPT, RCPT	RECEPTACLE
		IC	INTERRUPTING CAPACITY	REQ'D	REQUIRED
BKR	BREAKER	ID	INSIDE DIAMETER	RGS	RIGID GALVANIZED STEEL CONDUIT
BOM	BILL OF MATERIALS	IMC	INTERMEDIATE METAL CONDUIT		
		IR	INFRARED	RGSP	RIGID GALVANIZED STEEL, PVC COATED CONDUIT
C	CONDUIT, CONDUCTOR	J, JB, J-BOX	JUNCTION BOX	RI	REMOTE INDICATOR
CAB	CABINET	JS	JOYSTICK	RL	RED LIGHT
CAT	CATALOG			RM	ROOM
CB	CIRCUIT BREAKER	Kcmil, KCM	THOUSAND CIRCULAR MILLS		
CL	CENTERLINE	KV	KILOVOLT	S	SOUTH
CDF	CONTROLLED DENSITY FILL	KVA	KILOVOLT AMPERE	(S)	SHIELDED
CKT	CIRCUIT	KVAR	KILOVAR(S)	SF	SUPPLY FAN
CO	CONDUIT ONLY	KW	KILOWATT	SHT	SHEET
COMB	COMBINATION			SOL	SOLENOID
COMM	COMMUNICATION	L	LEFT	SP	SPARE
CP	CONTROL PANEL	LC	LIGHTING CONTACTOR	SOD	SQUARE D
CPT	CONTROL POWER TRANSFORMER	LCC	LINE CONTROL CABINET	SS	SELECTOR SWITCH
CPU	CENTRAL PROCESSING UNIT	LFC	LIQUIDTIGHT FLEXIBLE CONDUIT	SST, SS	STAINLESS STEEL
CR	CONTROL RELAY			SW	SWITCH
CS	CONTROL STATION	LFMC	LIQUIDTIGHT FLEXIBLE METAL CONDUIT	SWBD	SWITCHBOARD
CT	CURRENT TRANSFORMER	LOC'D	LOCATED	SWGR	SWITCHGEAR
CTRL	CONTROL	LT	LIGHT		
CU	COPPER	LS	LIMIT SWITCH	TDR	TIME DELAY RELAY
				TEL	TELEPHONE
DC	DIRECT CURRENT	M	MAGNETIC CONTACTOR COILS, METERS, MOTOR	TL	TWISTLOCK
DIA	DIAMETER	MCB	MAIN CIRCUIT BREAKER	TS	TEMPERATURE SWITCH,TOGGLE SWITCH
DIST	DISTRIBUTION	MCC	MOTOR CONTROL CENTER	TSP	TWISTED SHIELDED PAIR
DN	DOWN	MCR	MASTER CONTROL RELAY	TST	TWISTED SHIELDED TRIAD
DS	DISCONNECT SWITCH	MH	METAL HALIDE; MANHOLE	TTB	TELEPHONE TERMINAL BOARD
DWG	DRAWING	MISC	MISCELLANEOUS	TYP	TYPICAL
		MLO	MAIN LUGS ONLY		
E	EAST	MM, mm	MILLIMETER(S)	UG	UNDERGROUND
EC	EMPTY CONDUIT	MPZ	MINI POWER ZONE	UH	UNIT HEATER
EG	ENGINE GENERATOR	MS	MOTOR STARTER	UL	UNDERWRITERS
EGC	EQUIPMENT GROUND CONDUCTOR	MTR	MOTOR		LABORATORIES, INC.
ELEC, ELECT	ELECTRICAL	MTS	MANUAL TRANSFER SWITCH	UPS	UNINTERRUPTIBLE POWER SUPPLY
EMT	ELECTRICAL METALLIC TUBING			UV	UTILITY VAULT
ENC	ENCLOSED	N	NORTH		
EQUIP	EQUIPMENT	NCHO	NORMALLY CLOSED HELD OPEN	V	VOLTS
EXIST	EXISTING	NEC	NATIONAL ELECTRICAL CODE		
EWC	ELECTRIC WATER COOLER	NEUT	NEUTRAL	W	WATTS, WIRE
		NOHC	NORMALLY OPEN HELD CLOSED	W/	WITH
FC, FLEX	FLEXIBLE CONDUIT	NP	NAMEPLATE	WP	WEATHERPROOF
FDR	FEEDER	NTS	NOT TO SCALE		
FLC	FLUORESCENT, COMPACT			XFMR	TRANSFORMER
FT	FEET				
FS	FLOAT SWITCH				
FU, F	FUSE	OC	ON CENTER		
FVR	FULL VOLTAGE REVERSING	OD	OUTSIDE DIAMETER		
FVNR	FULL VOLTAGE NON-REVERSING	OP	OVERHEAD POWER		
FWD	FORWARD				
		P	POLE		
G, GND	GROUND	PA	PUBLIC ADDRESS		
GA	GAUGE	PB	PUSHBUTTON		
GALV	GALVANIZED	PE, PC	PHOTOELECTRIC SENSOR (PHOTOCELL)		
GEN	GENERATOR				
GFI	GROUND FAULT INTERRUPTER	PH	PHASE		
GL	GREEN LIGHT	PL OR P	PLATE		
GWB	GYPSUM WALL BOARD	PLC	PROGRAMMABLE LOGIC CONTROLLER		
		PNL	PANEL		





MATCH TO ES02.10

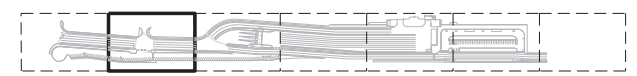
MATCH TO ES02.12

NOTES:

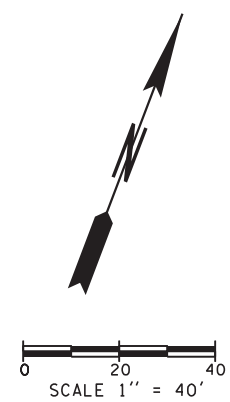
1. SEE ES08 SERIES DRAWINGS FOR SITE ILLUMINATION PLANS.
2. SEE ES12 SERIES DRAWINGS FOR SITE COMMUNICATIONS PLANS.
3. SEE PORT OF EVERETT PROJECT NO. MT-RB-2005-02 REFERENCE DRAWINGS FOR EXISTING DUCT BANK INFORMATION.
4. SEE ES10 SERIES DRAWINGS FOR CABLE AND CONDUIT SCHEDULES.

CONSTRUCTION NOTES:

- 3 EXISTING ELECTRICAL DUCT BANK, PROTECT IN PLACE.
- 6 EXISTING ELECTRICAL POLE AND OVERHEAD POWER LINES TO BE RELOCATED BY SNOPUD. CONTRACTOR TO COORDINATE WITH SNOPUD. MINIMUM 18' OVERHEAD CLEARANCE REQUIRED. POLES AND OVERHEAD LINES TO BE RELOCATED OUTSIDE OF SOUND TRANSIT PROPERTY.
- 7 EXISTING ELECTRICAL POLE WITH OVERHEAD UTILITY LINES. PROTECT IN PLACE.
- 9 NEW RISER TO POLE BY SNOPUD. CONTRACTOR TO COORDINATE WITH SNOPUD FOR CONDUIT CONNECTION.

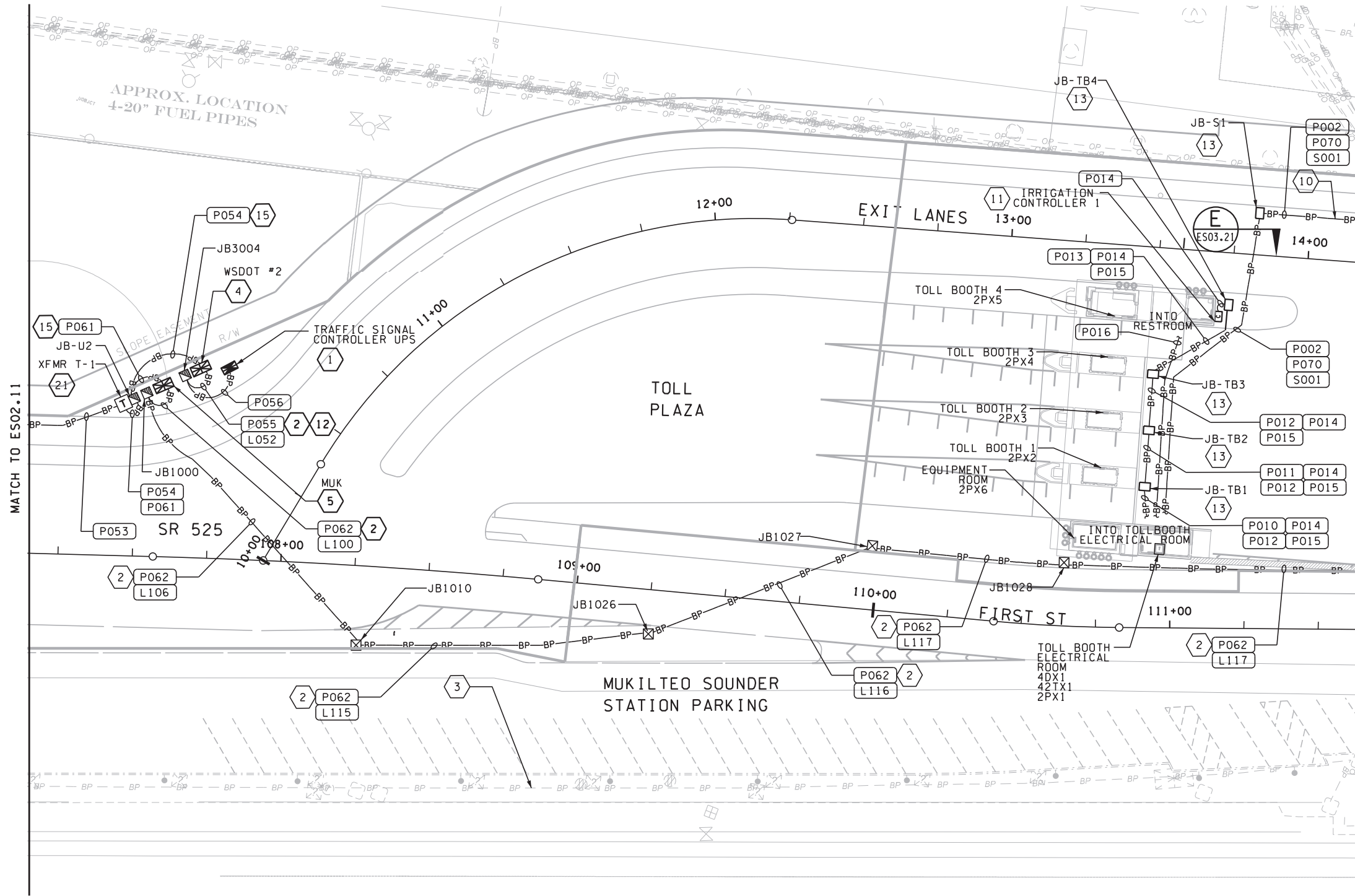


KEY PLAN



FILE NAME: WS\Mukilteo\14W121_FerryTermConst\CADD\JACOBS\14w121es02_11.dwg							 <b>Washington State</b> <b>Department of Transportation</b> WASHINGTON STATE FERRIES		SR 525		ES02.11
PRINTED: 9:23:56 AM 8/23/2018		LAST PRINTED BY:		MUKILTEO FERRY TERMINAL (PHASE 2)							
SUBMITTAL DATE: 08/23/18		yunc		FED.AID PROJ.NO.				FERRY TERMINAL CONSTRUCTION		SHEET	
DESIGNED BY: M. BAGINSKI		8/23/2018		WA-2017-007-00						356	
ENTERED BY: J. SLATER		8/23/2018		REGION NO. STATE						OF	
CHECKED BY: C. YUN		8/23/2018		10 WASH						1521	
MAR PROJ ENGR: C. TORRES				JOB NUMBER 18W121				SITE ELECTRICAL PLAN		SHEETS	
DIR TERM ENGR: N. MCINTOSH				CONTRACT NO. 00****							
ASST SECRETARY: A. SCARTON				REVISION		DATE					



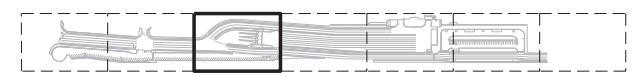


MATCH TO ES02.11

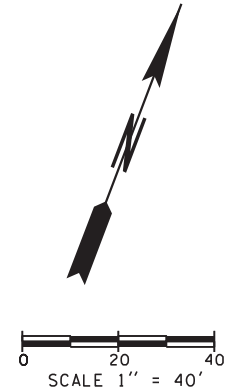
- NOTES:**
1. SEE ES08 SERIES DRAWINGS FOR SITE ILLUMINATION PLANS.
  2. SEE ES12 SERIES DRAWINGS FOR SITE COMMUNICATIONS PLANS.
  3. SEE C16 SERIES DRAWINGS FOR TRAFFIC SIGNAL.
  4. SEE EB02.50 FOR TOLL PLAZA ELECTRICAL PLAN.
  5. SEE PORT OF EVERETT PROJECT NO. MT-RB-2005-02 REFERENCE DRAWINGS FOR EXISTING DUCT BANK INFORMATION.
  6. SEE ES10 SERIES DRAWINGS FOR CONDUIT AND CABLE SCHEDULES.
  7. FOR CONDUIT CONTINUATION INTO BUILDINGS SEE EB02 SERIES DRAWINGS FOR BUILDING ELECTRICAL PLANS.


- CONSTRUCTION NOTES:**
1. INSTALL CONDUIT AND CONDUCTORS TO TRAFFIC SIGNAL UPS FROM WSDOT ELECTRICAL SERVICE.
  2. LIGHTING AND POWER CONDUCTORS ARE ROUTED THROUGH THE SAME 2" CONDUIT.
  3. EXISTING ELECTRICAL DUCT BANK, PROTECT IN PLACE.
  4. NEW WSDOT ELECTRICAL SERVICE CABINET TYPE "D". SEE WSDOT STANDARD PLAN J-10.21-00.
  5. NEW CITY OF MUKILTEO ELECTRICAL SERVICE CABINET TYPE "B" MODIFIED. SEE WSDOT STANDARD PLAN J-10.20-00.
  10. INSTALL CONDUIT DUCT BANK FROM TERMINAL BUILDING TO SUPERVISOR BUILDING.
  11. INSTALL CONDUIT AND CONDUCTORS TO IRRIGATION CONTROLLER.
  12. PROVIDE A SEPARATE SPARE 2" CONDUIT.
  13. SEE WSDOT STANDARD DRAWING J-90.10-02 FOR PULL BOX DETAILS WITH HEAVY DUTY LID.
  15. CONDUIT PATH SHOWN IS FOR DIAGRAMMATICAL PURPOSES ONLY. BURIED POWER CONDUIT SHALL REMAIN WITH IN WSDOT RIGHT OF WAY.
  21. NEW PAD MOUNTED UTILITY TRANSFORMER BY SNOPOD. CONTRACTOR TO COORDINATE WITH SNOPOD.

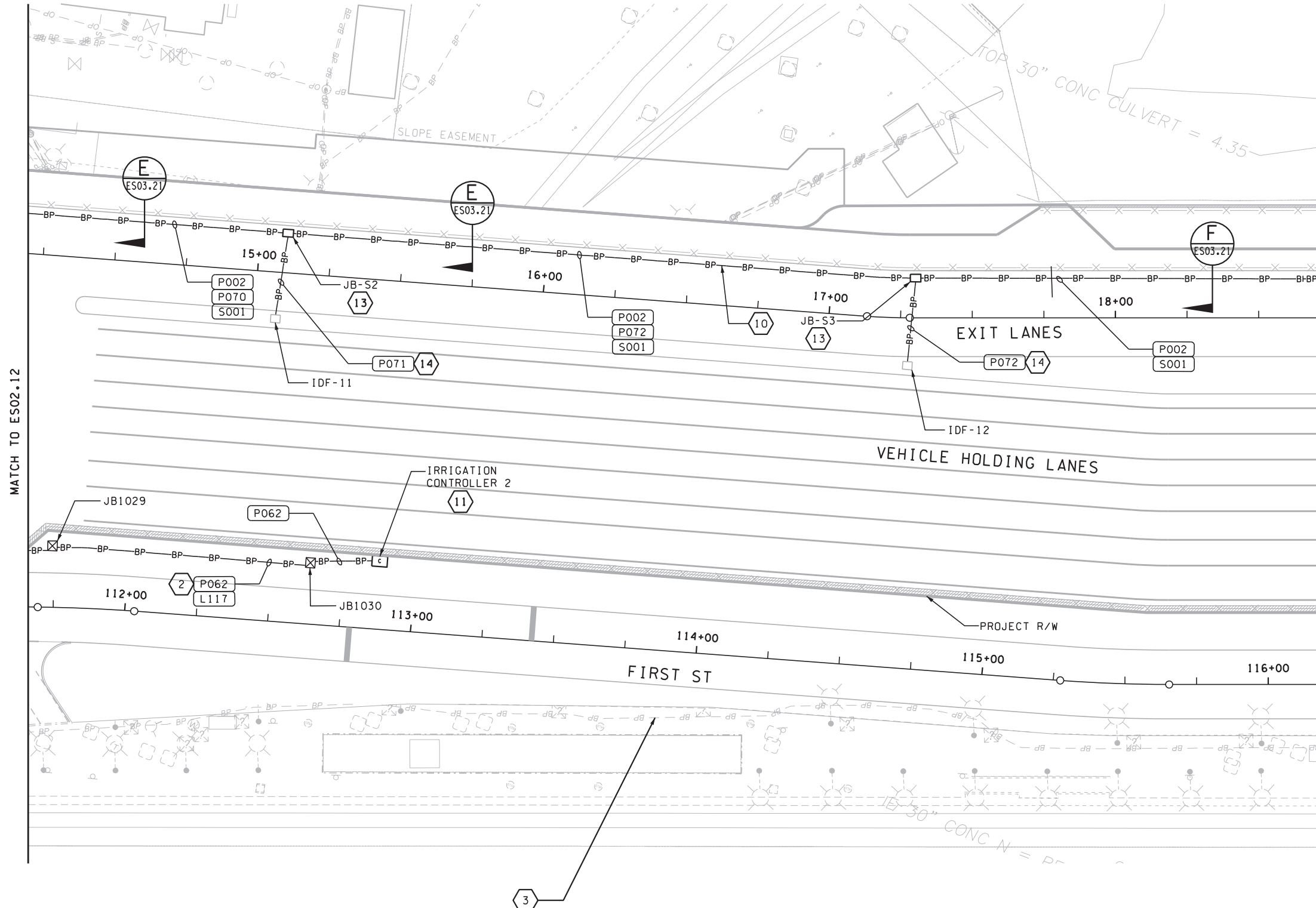
MATCH TO ES02.13



KEY PLAN



FILE NAME: WSF\Mukilteo\14W121_FerryTermConst\CADD\JACOBS\14w121es02_12.dlv							 <b>Washington State</b> <b>Department of Transportation</b> WASHINGTON STATE FERRIES		SR 525		ES02.12
PRINTED: 3:30:39 PM 2/21/2018		LAST PRINTED BY:		MUKILTEO FERRY TERMINAL (PHASE 2)							
SUBMITTAL DATE: 12/22/17		slaterj		FED.AID PROJ.NO.		WA-2017-007-00		FERRY TERMINAL CONSTRUCTION		SHEET	
DESIGNED BY: M. BAGINSKI		2/21/2018		REGION NO. STATE		10 WASH				357	
ENTERED BY: J. SLATER		2/21/2018		JOB NUMBER		18W121				OF	
CHECKED BY: C. YUN		2/21/2018		CONTRACT NO.		00****				1521	
MAR PROJ ENGR: C. TORRES				REVISION		DATE		BY		SHEETS	
DIR TERM ENGR: N. MCINTOSH											
ASST SECRETARY: A. SCARTON											



MATCH TO ES02.12

NOTES:

- 1. SEE ES08 SERIES DRAWINGS FOR SITE ILLUMINATION PLANS.
- 2. SEE ES12 SERIES DRAWINGS FOR SITE ELECTRICAL COMMUNICATIONS PLANS.
- 3. SEE PORT OF EVERETT PROJECT NO. MT-RB-2005-02 REFERENCE DRAWINGS FOR EXISTING DUCT BANK INFORMATION.
- 4. SEE ES10 SERIES DRAWINGS FOR CONDUIT AND CABLE SCHEDULES.

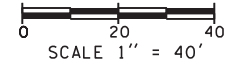
CONSTRUCTION NOTES:

- 2 LIGHTING AND POWER CONDUCTORS ARE ROUTED THROUGH THE SAME 2" CONDUIT.
- 3 EXISTING ELECTRICAL DUCT BANK, PROTECT IN PLACE.
- 10 INSTALL CONDUIT DUCT BANK AND CONDUCTORS FROM TERMINAL BUILDING TO TOLL PLAZA.
- 11 INSTALL CONDUIT AND CONDUCTORS TO IRRIGATION CONTROLLER.
- 13 SEE WSDOT STANDARD DRAWING J-90.10-02 FOR PULL BOX DETAILS WITH HEAVY DUTY LID.
- 14 INSTALL TWO 2" CONDUITS TO COMMUNICATION CABINET. SEE COMMUNICATION DRAWINGS FOR LOCATION AND INSTALLATION DETAILS.

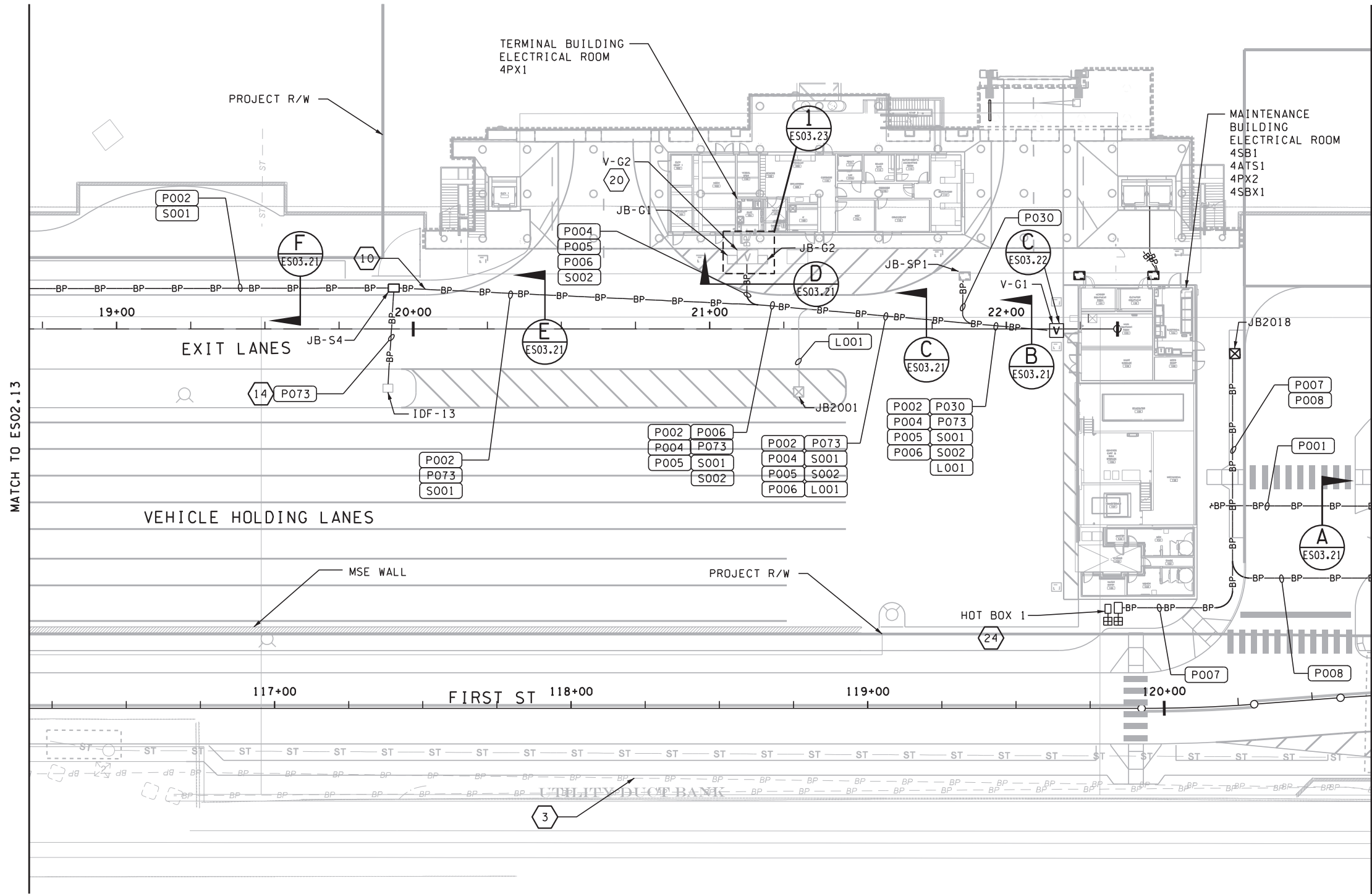
MATCH TO ES02.14



KEY PLAN



FILE NAME: WS\Mukilteo\14W121_FerryTermConst\CADD\JACOBS\14w121es02_13.dlv									SR 525		MUKILTEO FERRY TERMINAL (PHASE 2) FERRY TERMINAL CONSTRUCTION		ES02.13	
PRINTED: 12:26:47 PM 12/15/2017		LAST PRINTED BY:		FED.AID PROJ.NO.									SHEET	
SUBMITTAL DATE: 12/22/17		slaterj		WA-2017-007-00					REGION NO. STATE		358			
DESIGNED BY: M. BAGINSKI		12/15/2017		10 WASH					JOB NUMBER		OF			
ENTERED BY: J. SLATER		12/15/2017		18W121					CONTRACT NO.		1521			
CHECKED BY: C. YUN		12/15/2017		00****					WASHINGTON STATE FERRIES		SHEETS			
MAR PROJ ENGR: C. TORRES														
DIR TERM ENGR: N. MCINTOSH														
ASST SECRETARY: A. SCARTON														
		REVISION		DATE BY										

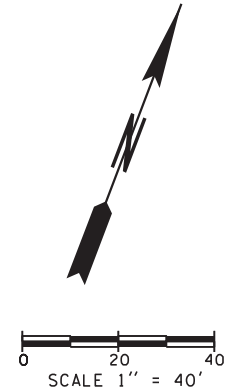
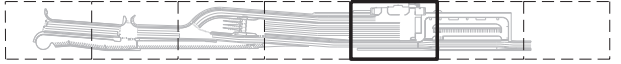




NOTES:

- 1. SEE ES08 SERIES DRAWINGS FOR SITE ILLUMINATION PLANS.
- 2. SEE ES12 SERIES DRAWINGS FOR SITE ELECTRICAL COMMUNICATIONS PLANS.
- 3. FOR CONDUIT CONTINUATION INTO BUILDINGS, SEE EB02 SERIES DRAWINGS FOR BUILDING ELECTRICAL PLANS.
- 4. SEE ES03.22 FOR ELECTRICAL VAULT DETAILS.
- 5. SEE EB11.02 FOR TRAFFIC CCTV SYSTEM BLOCK DIAGRAM.
- 6. SEE PORT OF EVERETT PROJECT NO. MT-RB-2005-02 REFERENCE DRAWINGS FOR EXISTING ELECTRICAL DUCT BANK INFORMATION.
- 7. SEE ES10 SERIES DRAWINGS FOR CABLE AND CONDUIT SCHEDULE.

CONSTRUCTION NOTES:

- 3 EXISTING ELECTRICAL DUCT BANK, PROTECT IN PLACE.
- 10 INSTALL CONDUIT DUCTBANK FROM MAINTENANCE BUILDING TO TOLL PLAZA.
- 14 INSTALL TWO 2" CONDUITS TO COMMUNICATION CABINET. SEE COMMUNICATION DRAWINGS FOR LOCATION AND INSTALLATION DETAILS.
- 20 CONNECT CONDUIT DUCTBANK TO EXISTING BURIED ELECTRICAL VAULT.
- 24 INSTALL CONDUIT AND CONDUCTORS TO WATER SERVICE HOT BOX, SEE SHEET C08.14.



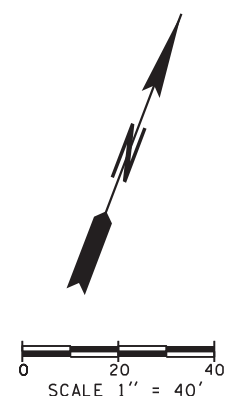
FILE NAME: WSF\Mukilteo\14W121_FerryTermConst\CADD\JACOBS\14w121es02_14.dlv												 <b>Washington State</b> <b>Department of Transportation</b> WASHINGTON STATE FERRIES		SR 525		ES02.14	
PRINTED: 12:30:42 PM 12/15/2017		LAST PRINTED BY:				FED.AID PROJ.NO.		MUKILTEO FERRY TERMINAL (PHASE 2)						SHEET			
SUBMITTAL DATE: 12/22/17		slater,j						FERRY TERMINAL CONSTRUCTION						359			
DESIGNED BY: M. BAGINSKI		12/15/2017				WA-2017-007-00								OF			
ENTERED BY: J. SLATER		12/15/2017				REGION NO. STATE								1521			
CHECKED BY: C. YUN		12/15/2017				10 WASH								SHEETS			
MAR PROJ ENGR: C. TORRES						JOB NUMBER											
DIR TERM ENGR: N. MCINTOSH						18W121											
ASST SECRETARY: A. SCARTON				REVISION		DATE		BY									
						CONTRACT NO.											
						00****											





1. SEE ES08 SERIES DRAWINGS FOR SITE ILLUMINATION PLANS.
2. SEE PORT OF EVERETT PROJECT NO. MT-RB-2005-02 REFERENCE DRAWINGS FOR EXISTING DUCT BANK INFORMATION.

3 EXISTING ELECTRICAL DUCT BANK, PROTECT IN PLACE.

24 INSTALL CONDUIT AND CONDUCTORS AND CONDUCTORS TO WATER SERVICE HOT BOX, SEE SHEET COB.14.



FILE NAME: WSW\Mukilteo\14W121_FerryTermConst\CADD\JACOBS\ 14w121es02.15.dwg												 <b>Washington State</b> <b>Department of Transportation</b> WASHINGTON STATE FERRIES		SR 525		ES02.15	
PRINTED: 12:31:56 PM 12/15/2017		LAST PRINTED BY:				FED.AID PROJ.NO.		MUKILTEO FERRY TERMINAL (PHASE 2)						SHEET			
SUBMITTAL DATE: 12/22/17		slaterj				WA-2017-007-00				360		OF					
DESIGNED BY: M. BAGINSKI		12/15/2017				REGION NO. STATE				1521		SHEETS					
ENTERED BY: J. SLATER		12/15/2017				10 WASH											
CHECKED BY: C. YUN		12/15/2017				JOB NUMBER											
MAR PROJ ENGR: C. TORRES						18W121											
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ASST SECRETARY: A. SCARTON				REVISION		DATE BY											
						00****											

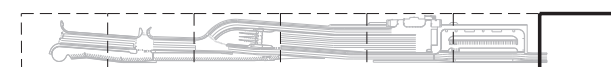


1. SEE PORT OF EVERETT PROJECT MT-RB-2005-02  
REFERENCE DRAWINGS FOR EXISTING DUCT BANK  
INFORMATION.
2. SEE ES10 SERIES DRAWINGS FOR CABLE AND CONDUIT  
SCHEDULE.

3 EXISTING ELECTRICAL DUCT BANK, PROTECT IN PLACE.

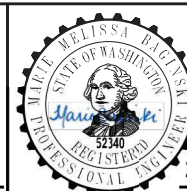
21 NEW PAD MOUNTED UTILITY TRANSFORMER BY SNOPOD.  
CONTRACTOR TO COORDINATE WITH SNOPOD.

22 NEW WSF SERVICE CABINET TYPE "D". SEE WSDOT  
STANDARD PLAN J-10.21-00.



PRINTED: 12:34:29 PM 12/15/2017	LAST PRINTED BY:
SUBMITTAL DATE: 12/22/17	slaterj
DESIGNED BY: M. BAGINSKI	12/15/2017
ENTERED BY: J. SLATER	12/15/2017
CHECKED BY: C. YUN	12/15/2017
MAR PROJ ENGR: C. TORRES	
DIR TERM ENGR: N. MCINTOSH	
ASST SECRETARY: A. SCARTON	

FED.AID PROJ.NO.	
WA-2017-007-00	
REGION NO.	STATE
10	WASH
JOB NUMBER 18W121	
CONTRACT NO. 00****	



2/22/2018



**Washington State**  
**Department of Transportation**  
WASHINGTON STATE FERRIES

SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION

# SITE ELECTRICAL PLAN

ES02.16

SHEET  
361  
OF  
1521  
SHEETS

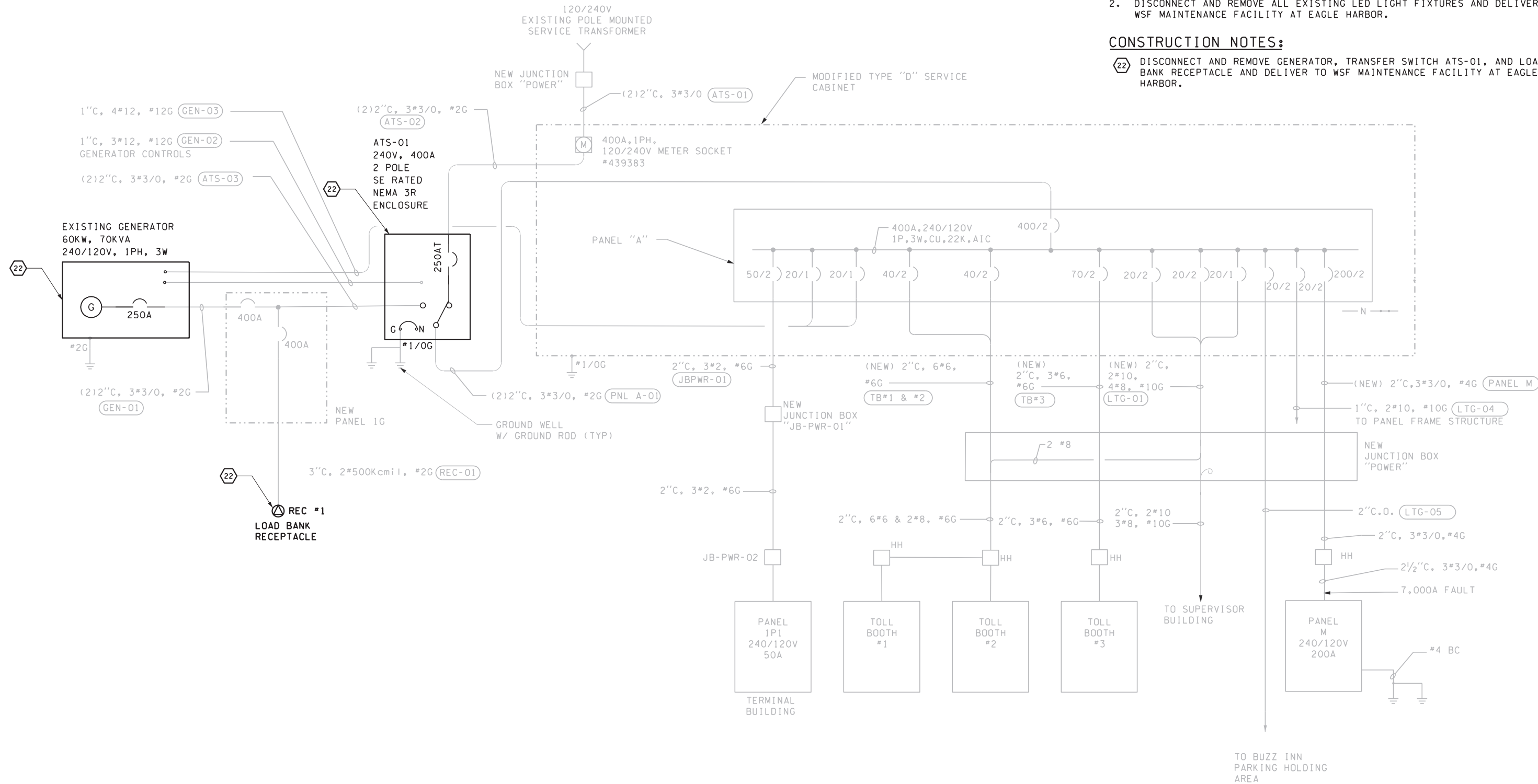
GENERAL NOTES:

1. ALL EXISTING ELECTRICAL EQUIPMENT IS TO BE REMOVED AND DISCARDED UNLESS NOTED OTHERWISE.
2. DISCONNECT AND REMOVE ALL EXISTING LED LIGHT FIXTURES AND DELIVER TO WSF MAINTENANCE FACILITY AT EAGLE HARBOR.

CONSTRUCTION NOTES:

- 22

DISCONNECT AND REMOVE GENERATOR, TRANSFER SWITCH ATS-01, AND LOAD BANK RECEPTACLE AND DELIVER TO WSF MAINTENANCE FACILITY AT EAGLE HARBOR.



GENERAL NOTES:

1. ALL EXISTING ELECTRICAL EQUIPMENT IS TO BE REMOVED AND DISCARDED UNLESS NOTED OTHERWISE. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. DISCONNECT AND REMOVE ALL EXISTING LED FIXTURES AND DELIVER TO WSF MAINTENANCE FACILITY AT EAGLE HARBOR.

CONSTRUCTION NOTES:

- 23 DISCONNECT, REMOVE, AND DELIVER THE FOLLOWING EQUIPMENT TO WSF MAINTENANCE FACILITY AT EAGLE HARBOR:
- VTS PLC CABINET (NOT SHOWN ON ONE LINE)

- BRIDGE CONTROL STATION (NOT SHOWN ON ONE LINE)

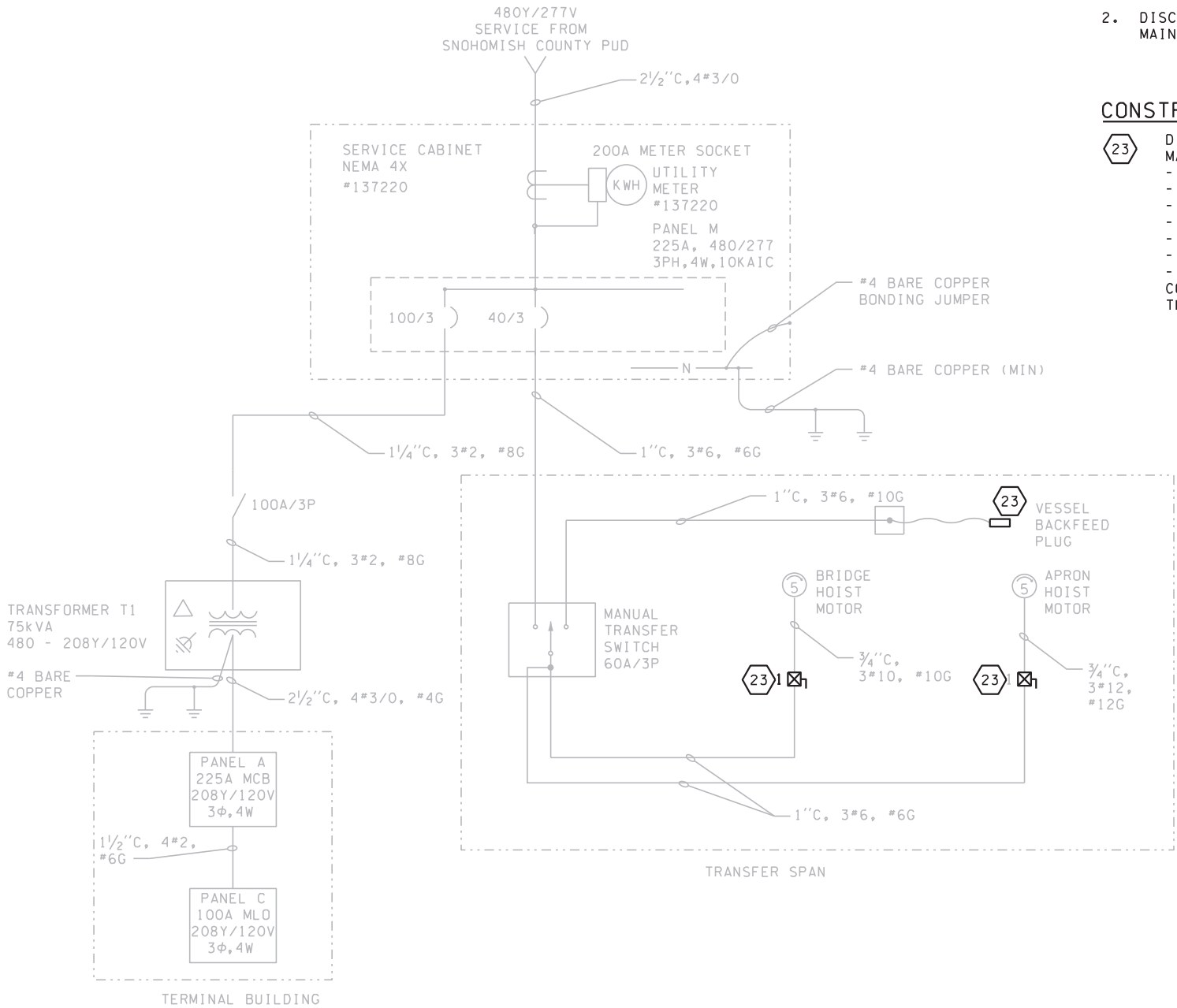
- BRIDGE AND APRON HOIST MOTOR STARTERS

- LINE CONTROL CABINET (NOT SHOWN ON ONE LINE)

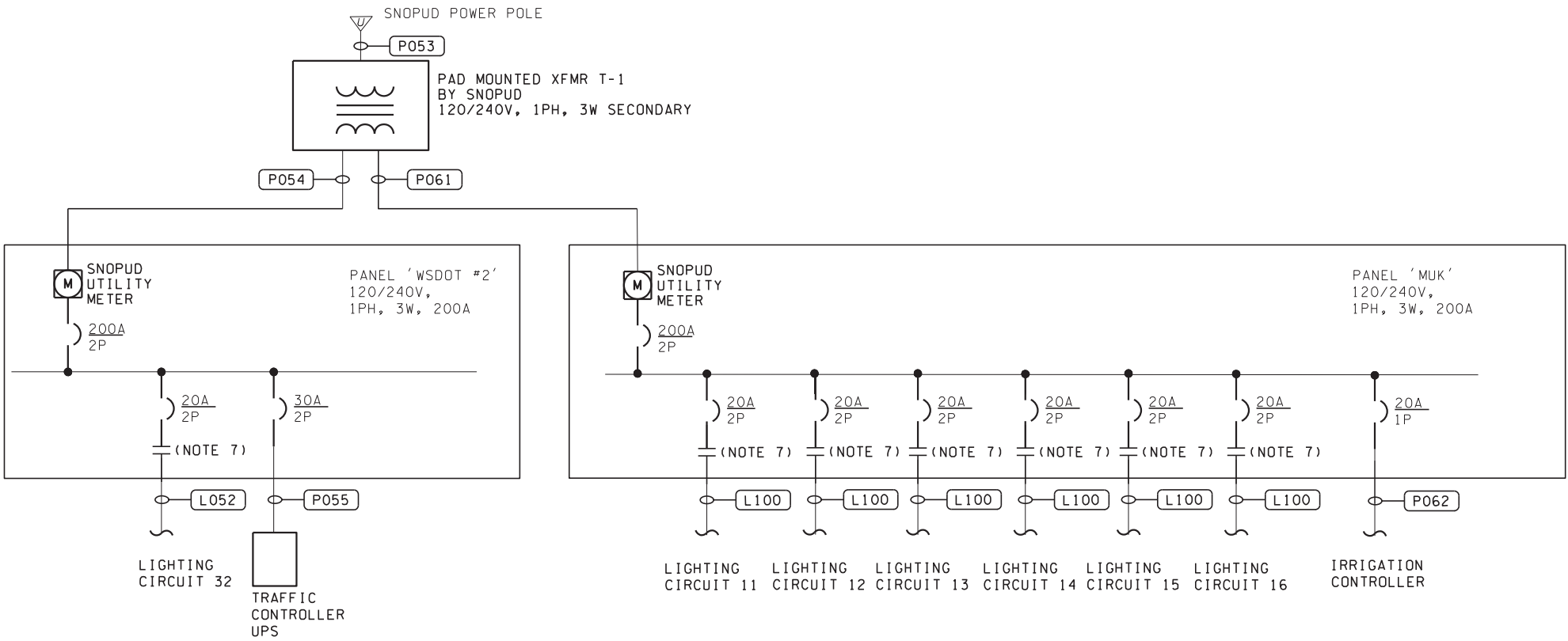
- VESSEL BACKFEED PLUG

- APRON TOGGLE SWITCH (NOT SHOWN ON ONE LINE)

- TRAFFIC GATE CONTROLLER AND ARM (NOT SHOWN ON ONE LINE)
- COORDINATE SITE WALKTHROUGH WITH WSF AS NEEDED TO IDENTIFY ALL THE EQUIPMENT LISTED ABOVE.

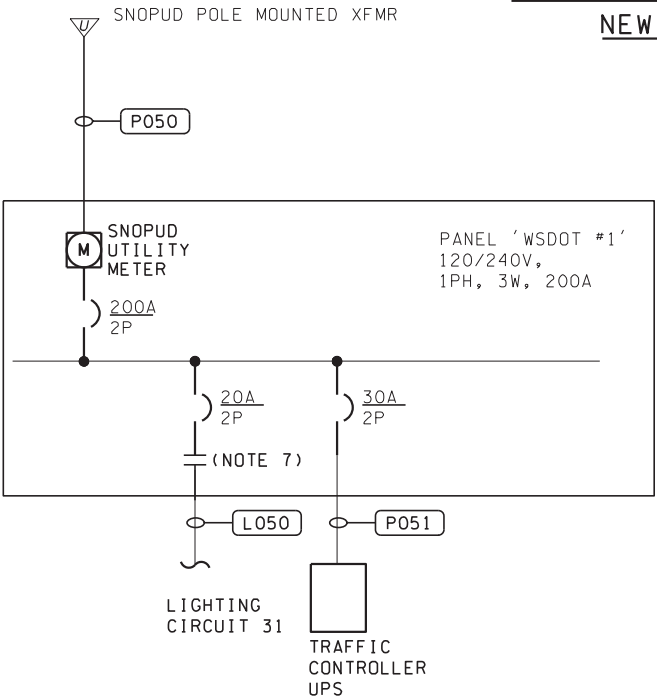


FILE NAME: WSF\Mukilteo\14W121_FerryTermConst\CADD\JACOBS\14w121es03_01.dlv																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	</	
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WSDOT TOLL PLAZA  
NEW SERVICE

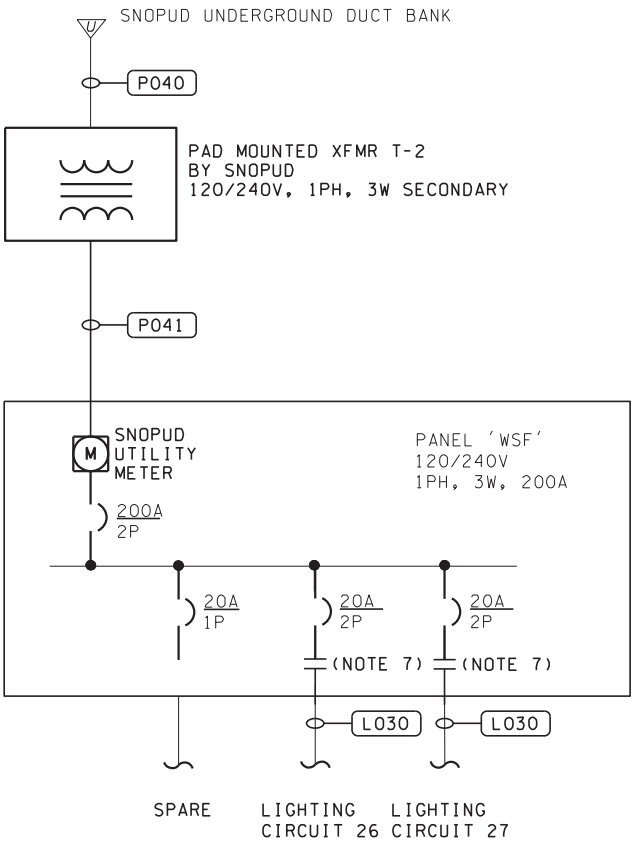
CITY OF MUKILTEO  
NEW SERVICE



WSDOT SR525  
NEW SERVICE

NOTES:

1. SEE SHEET EB00.11 FOR TERMINAL BUILDING ELECTRICAL ONE LINE. WSF NEW SERVICE INFORMATION IS SHOWN ON THAT SHEET.
2. SEE SHEET ES08.00 FOR LIGHTING CIRCUITS.
3. SEE SHEETS ES06.00 AND ES06.01 FOR COMPLETE PANEL SCHEDULES.
4. SNOPUD TO SIZE AND INSTALL TRANSFORMERS T1 AND T2. CONTRACTOR TO COORDINATE WITH SNOPUD.
5. NOT ALL CIRCUIT BREAKERS AND LOADS ON PANELBOARDS ARE SHOWN. FOR COMPLETE LIST OF ALL CIRCUIT BREAKERS AND LOADS, SEE ES06 SERIES DWG. FOR PANEL SCHEDULES.
6. SEE SHEET ES10.00 FOR CONDUIT AND CABLE SCHEDULE.
7. SEE WSDOT STANDARD PLANS FOR CONTACTOR SIZES.



WSF TRANSIT CENTER  
NEW SERVICE

FILE NAME: WSF\Mukilteo\14W121_FerryTermConst\CADD\JACOBS\14w121es03_10.dwg					
PRINTED: 3:35:14 PM 2/21/2018	LAST PRINTED BY: slaterj				FED.AID PROJ.NO.
SUBMITTAL DATE: 12/22/17					WA-2017-007-00
DESIGNED BY: M. BAGINSKI	2/21/2018				REGION NO. STATE
ENTERED BY: J. SLATER	2/21/2018				10 WASH
CHECKED BY: C. YUN	2/21/2018				JOB NUMBER
MAR PROJ ENGR: C. TORRES					18W121
DIR TERM ENGR: N. MCINTOSH					CONTRACT NO.
ASST SECRETARY: A. SCARTON		REVISION	DATE	BY	00*****



2/22/2018

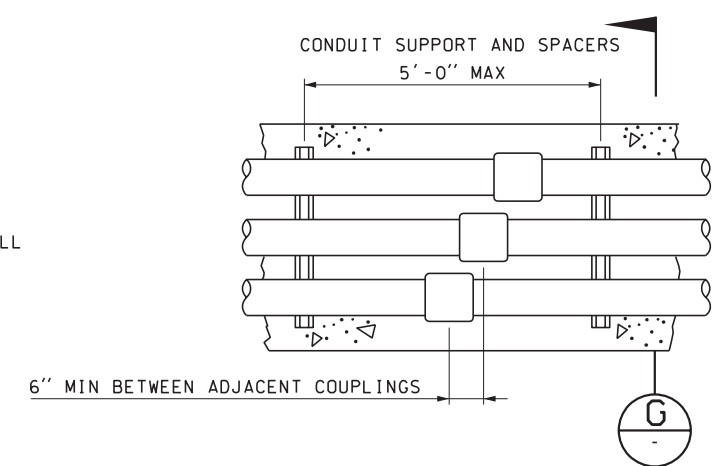
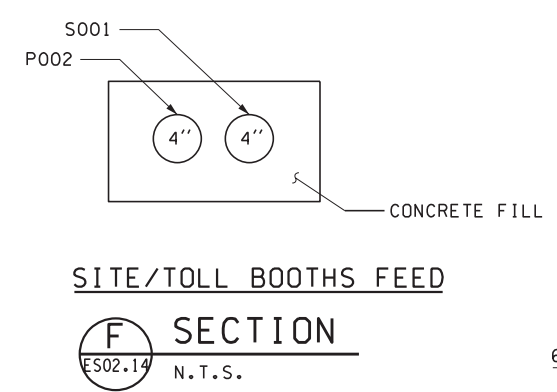
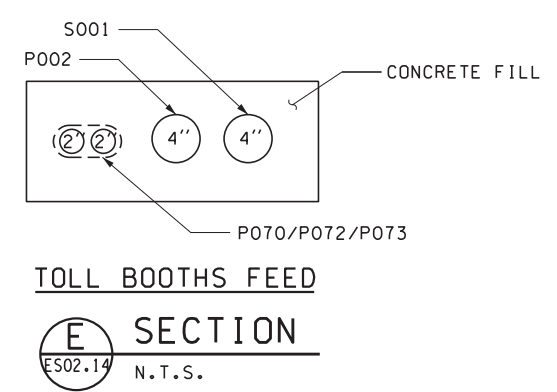
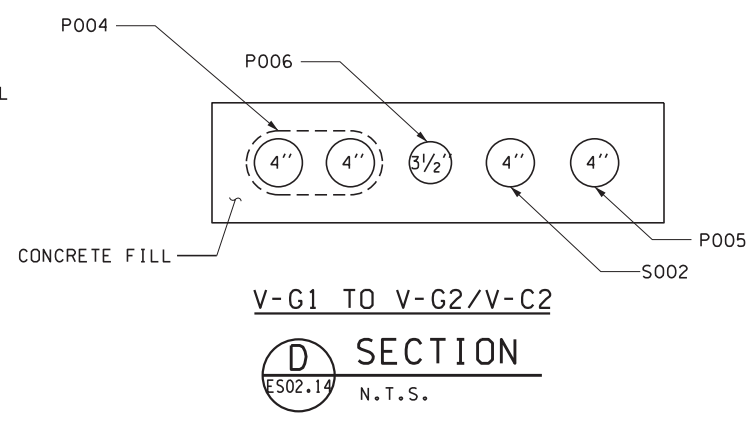
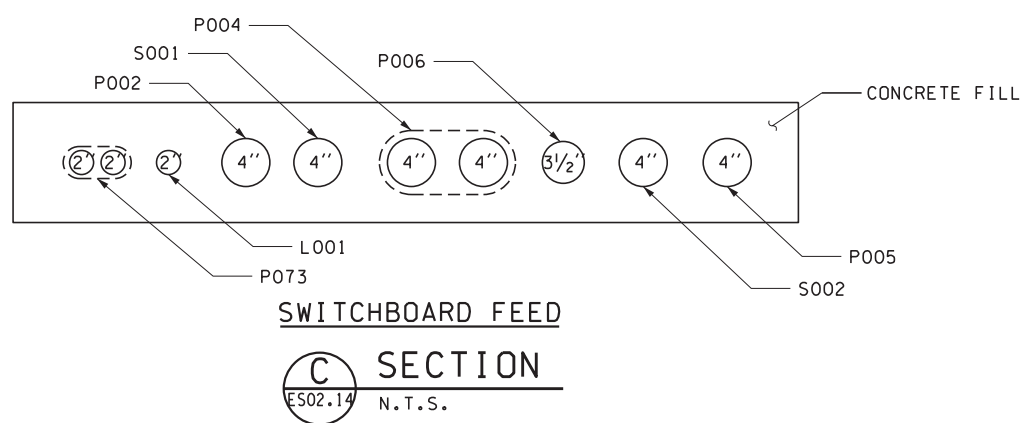
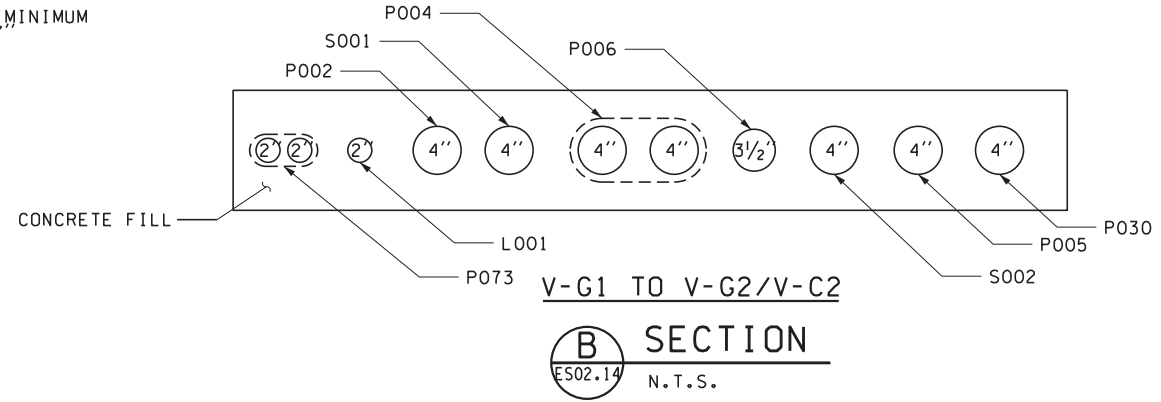
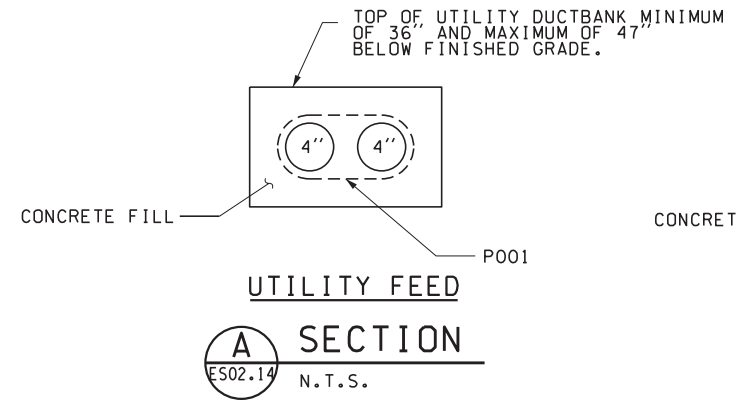


SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION  
SITE ELECTRICAL ONELINE DIAGRAM

ES03.10  
SHEET  
364  
OF  
1521  
SHEETS

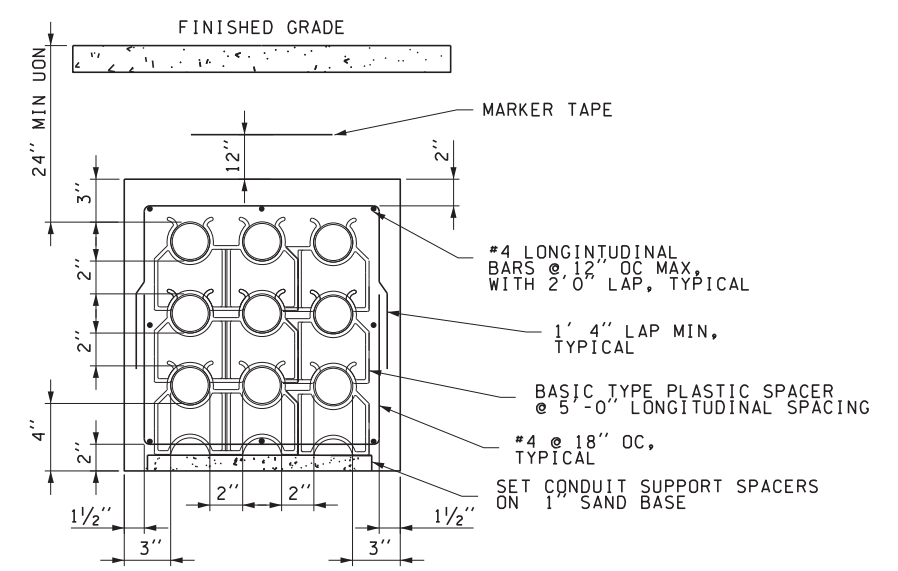






**NOTES:**

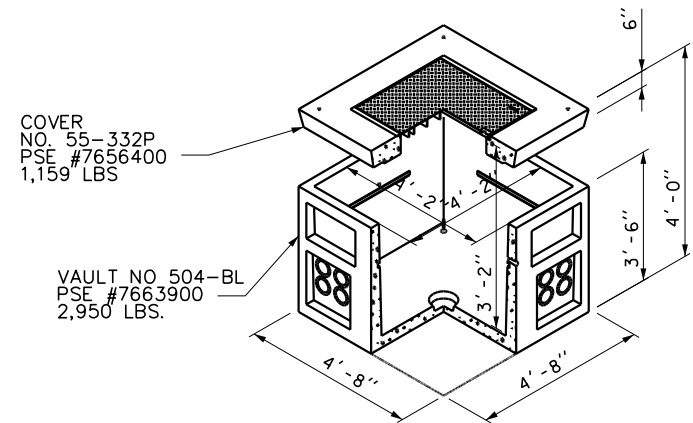
1. TOP OF CONDUIT MINIMUM OF 24" BELOW FINISHED GRADE UNLESS OTHERWISE NOTED.
2. CONDUIT SIZE AS SPECIFIED IN PLAN. CONDUIT SPACING TYPICAL FOR ALL CONDUIT DUCT BANKS.
3. ALL DIMENSIONS MINIMUM UNLESS OTHERWISE NOTED.
4. SEE COMMUNICATION PLANS FOR COMMUNICATION CONDUIT DETAILS.
5. SEE SECURITY PLANS FOR SECURITY CONDUIT DETAILS.
6. PROVIDE 12" SEPARATION BETWEEN POWER AND COMM CONDUITS.
7. ALL CONDUIT DUCT BANKS TO BE REINFORCED PER TYPICAL DETAIL.
8. CONTRACTOR TO TRANSITION FROM VAULT/JUNCTION BOX CONFIGURATION TO DUCTBANK CONFIGURATION SHOWN.
9. UNDER SECTION "C" RACEWAY TAG P070 CAN ALSO BE RACEWAY P071, P072, P073, P074, OR P075. REFER TO SITE ELECTRICAL PLAN SHEETS BURIED POWER DUCTBANK ROUTING FOR THE ACTUAL RACEWAY NUMBER FOR EACH PORTION OF THE BURIED POWER DUCTBANK.



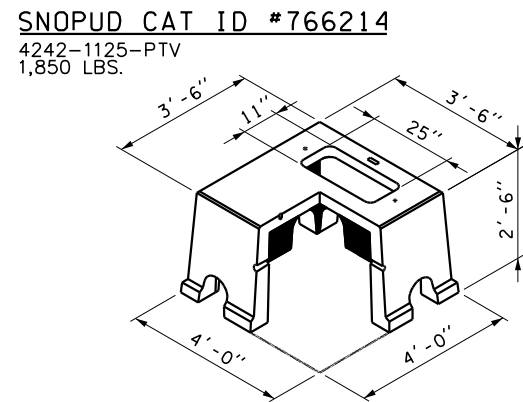
**TYPICAL DUCTBANK CONFIGURATION**

**G** SECTION  
N.T.S.

**TYPICAL CONDUIT DUCTBANK**  
N.T.S.

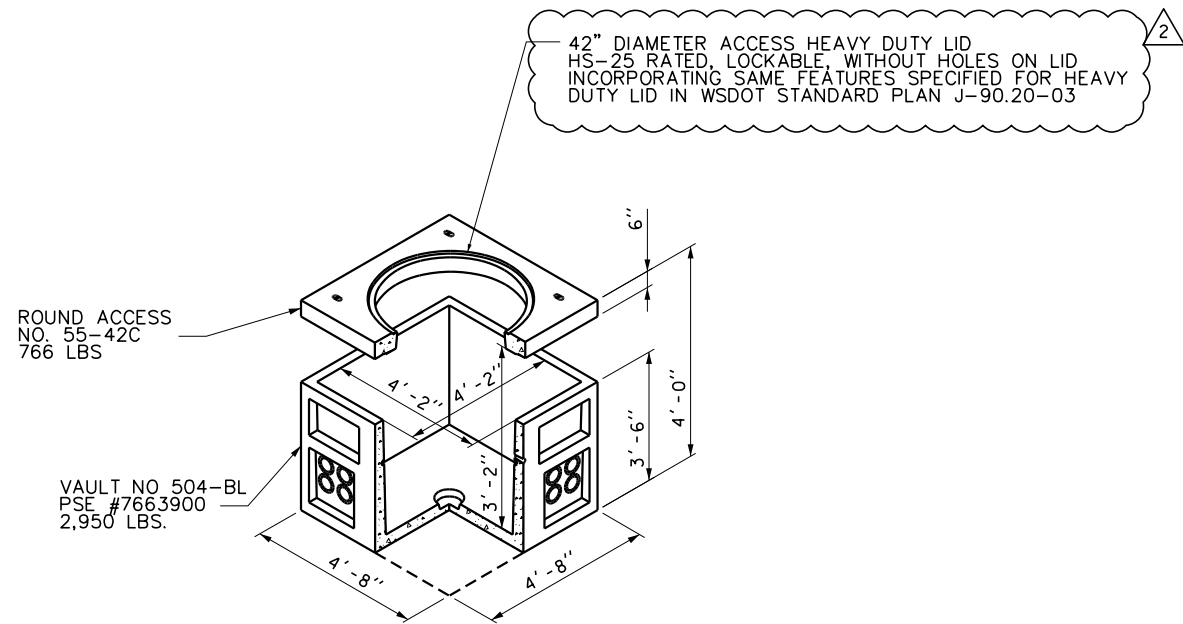


**A** SNOPUD ELECTRICAL VAULT  
V-S1 (IN SIDEWALK)





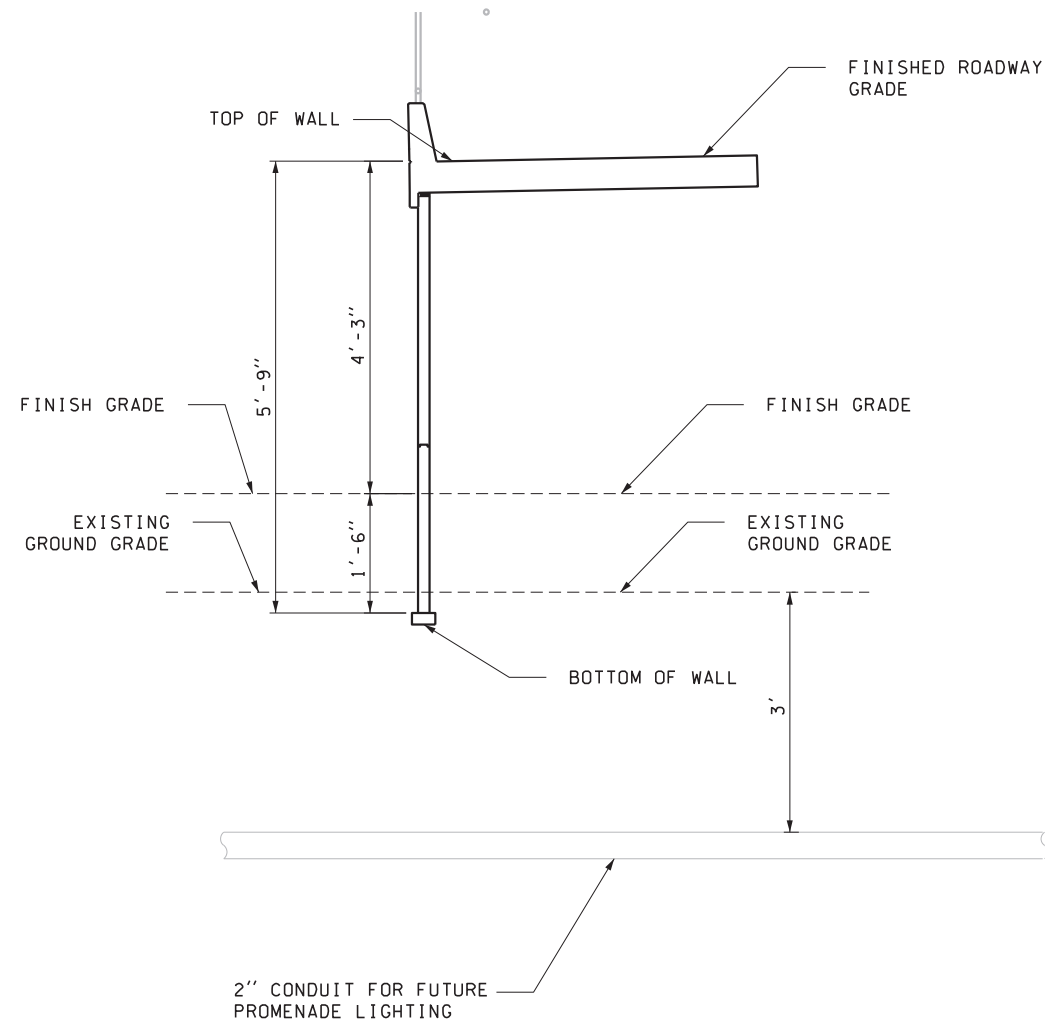
**B** SNOPUD TRANSFORMER  
VAULT T-2

- NOTES**
- SEE ES02 SERIES DRAWINGS FOR VAULT LOCATIONS.
  - CONTRACTOR TO SUPPLY AND INSTALL ALL VAULTS INCLUDING SNOPUD VAULTS.

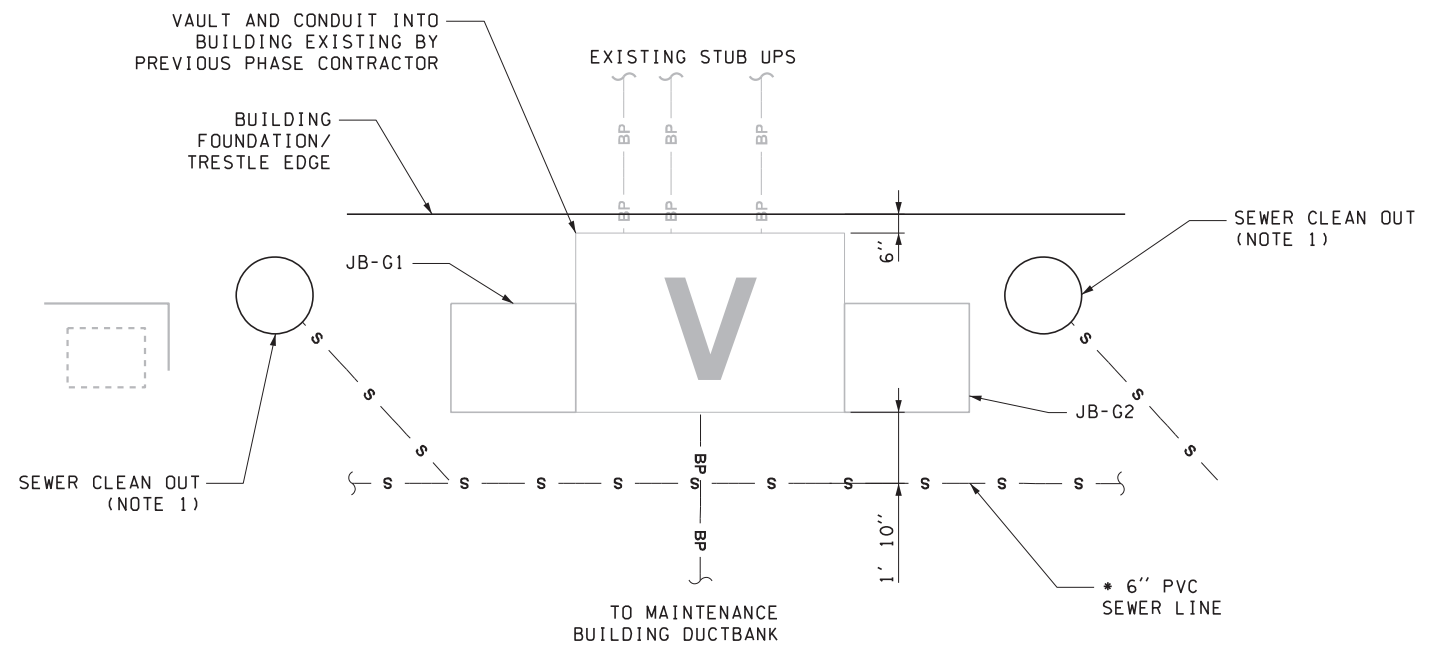


**C** SITE ELECTRICAL VAULT  
V-G1 (IN ROADWAY)

FILE NAME: WSF\Mukilteo\14W121_FerryTermConst\CADD\JACOBS\14w121es03.22.dwg												 <b>Washington State</b> <b>Department of Transportation</b> WASHINGTON STATE FERRIES		SR 525		ES03.22
PRINTED: 10:50:53 AM 10/26/18		LAST PRINTED BY:		FED.AID PROJ.NO.		MUKILTEO FERRY TERMINAL (PHASE 2)										
SUBMITTAL DATE: 10/26/18		slaterj		WA-2017-007-00		REGION NO. STATE		10 WASH		FERRY TERMINAL CONSTRUCTION		SHEET				
DESIGNED BY: M. BAGINSKI		10/26/18		JOB NUMBER 18W121		CONTRACT NO. 00****						367				
ENTERED BY: J. SLATER		10/26/18		ADDENDUM NO. 2		11/01/18 MB						OF				
CHECKED BY: C. YUN		10/26/18		REVISION		DATE BY						1521				
MAR PROJ ENGR: C. TORRES												SHEETS				
DIR TERM ENGR: N. MCINTOSH																
ASST SECRETARY: A. SCARTON																



**A SECTION**  
ES08.13 N.T.S.



**1 VAULT V-G2**  
ES02.14 N.T.S. NOTE 1: COORDINATE WITH WASTEWATER CONTRACTOR

FILE NAME: WSF\Mukilteo\14W121_FerryTermConst\CADD\JACOBS\ 14w121es03_23.dwg					
PRINTED: 3:43:30 PM 2/22/2018	LAST PRINTED BY: slaterj				FED.AID PROJ.NO.
SUBMITTAL DATE: 12/22/17					WA-2017-007-00
DESIGNED BY: M. BAGINSKI	2/22/2018				REGION NO. STATE
ENTERED BY: J. SLATER	2/22/2018				10 WASH
CHECKED BY: C. YUN	2/22/2018				JOB NUMBER
MAR PROJ ENGR: C. TORRES					18W121
DIR TERM ENGR: N. MCINTOSH					CONTRACT NO.
ASST SECRETARY: A. SCARTON					00*****
	REVISION	DATE	BY		



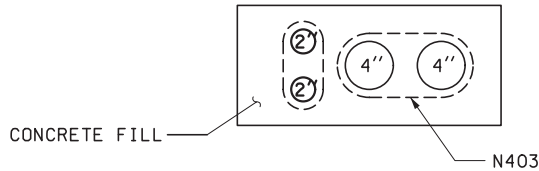
SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION  
SITE ELECTRICAL SECTION  
DETAILS

ES03.23  
SHEET  
368  
OF  
1521  
SHEETS

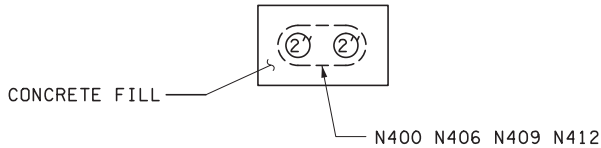


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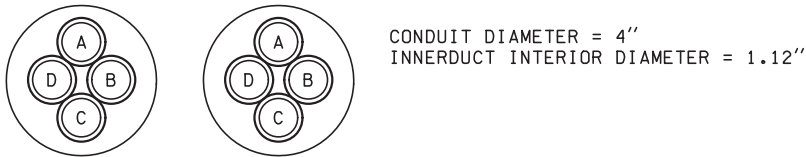
1. TOP OF CONDUIT MINIMUM OF 24" BELOW FINISHED GRADE. UNLESS OTHERWISE STATED.
2. CONDUIT SIZE AS SPECIFIED IN PLAN. CONDUIT SPACING TYPICAL FOR ALL CONDUIT DUCT BANKS.
3. ALL DIMENSIONS MINIMUM UNLESS OTHERWISE STATED.
4. SEE ELECTRICAL PLANS FOR OTHER CONDUIT DETAILS.



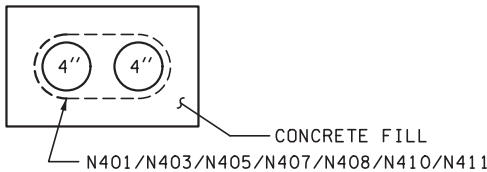
**A** SECTION  
ES12.13 N.T.S.  
ES12.14



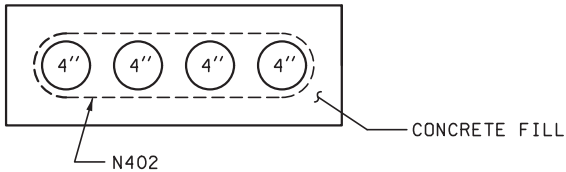
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ES12.13 N.T.S.  
ES12.14



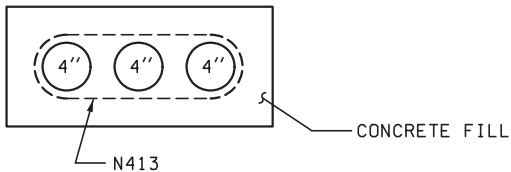
TYPICAL INNERDUCT CONFIGURATION



**C** SECTION  
ES12.13 N.T.S.  
ES12.14



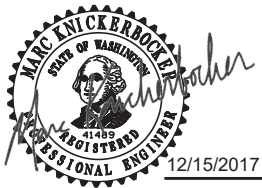
**D** SECTION  
ES12.13 N.T.S.  
ES12.14



**E** SECTION  
ES12.13 N.T.S.  
ES12.14

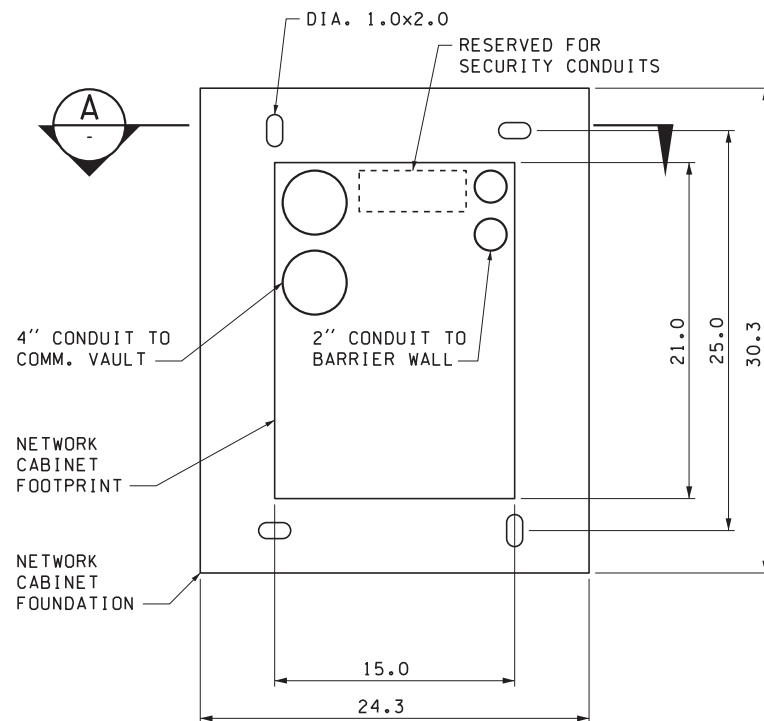


FILE NAME: PW:\WSF\Mukilteo\14w121_FERRYTERMCONST\CADD\ERGOSYNCH\14w121es03_31.dlv					
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SUBMITTAL DATE: 12/22/17	JMCNABB				WA-2017-007-00
DESIGNED BY: M. KNICKERBOCKER	12/22/17				REGION NO. STATE
ENTERED BY: J. MCNABB	12/22/17				10 WASH
CHECKED BY: S. HARRIS	12/22/17				JOB NUMBER
MAR PROJ ENGR: C. TORRES					18W121
DIR TERM ENGR: N. MCINTOSH					CONTRACT NO.
ASST SECRETARY: A. SCARTON		REVISION	DATE	BY	00*****

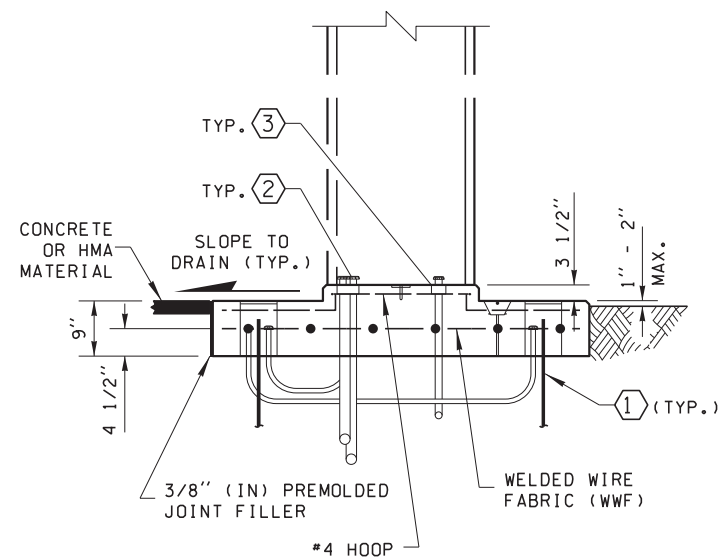


SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION  
CONDUIT DUCT BANK  
DETAILS

ES03.31  
SHEET  
369  
OF  
1521  
SHEETS



1 NETWORK CABINET FOUNDATION PLAN DETAIL



A NETWORK CABINET FOUNDATION SECTION

## NOTES:

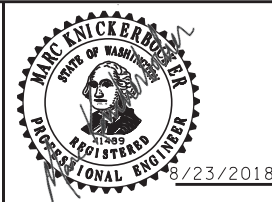
1. THE CONTRACTOR SHALL INSTALL THE CONDUITS IN THE LOCATIONS SHOWN. CONDUITS SHALL EXTEND 2" (IN) MIN. ABOVE THE COUPLING. THE GROUNDED END BUSHING ON GRS CONDUIT AND THE END BELL BUSHING ON PVC CONDUIT SHALL EXTEND 3" (IN) MAX. ABOVE THE COUPLING. THE CONDUIT CONTAINING UNFUSED UTILITY CONDUCTORS SHALL EXTEND INTO THE UTILITY CHASE.
2. THE CABINETS SHALL BE ATTACHED TO THE FOUNDATION WITH 4 EACH: 1/2" (IN) X 10" (IN) X 2" (IN) X 4" (IN) ANCHOR BOLTS (SEE DETAIL ON SHEET 4 OF 6), WASHERS, AND NUTS CONFORMING TO STANDARD SPECIFICATION 9-06.5(1) AND HOT-DIP GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH AASHTO M 232. LOCATE ANCHOR BOLTS PER CABINET MANUFACTURER. STAINLESS STEEL EPOXY ANCHORS MAY BE USED AS AN ALTERNATIVE, AND SHALL BE 1/2" (IN) DIAMETER X 9" (IN), OR 5/8" (IN) DIAMETER X 8" (IN). ALL THREADED ROD (CONFORMING TO ASTM F593), WASHERS (CONFORMING TO ASTM A240), AND NUTS (CONFORMING TO ASTM F594), SHALL BE TYPE 316 STAINLESS STEEL. BOLTS SHALL EXTEND 1 1/2" (IN) MIN. TO 2" (IN) MAX. ABOVE THE CONCRETE PAD.
3. ALL REINFORCING STEEL SHALL BE EMBEDDED 2" (IN) BELOW SURFACE OF CONCRETE.
4. PLACE A 1/2" (IN) BEAD OF SILICONE BETWEEN CABINETS AND FOUNDATION.
5. CONCRETE SHALL BE CLASS 3000. SEE STANDARD SPECIFICATION 8-20.3(4).
6. VERIFY DEAD FRONT LOCATIONS FROM MANUFACTURER PRIOR TO PLACING CONDUIT IN FOUNDATION.
7. SEE STANDARD PLAN J-10.20 FOR ADDITIONAL FOUNDATION CONSTRUCTION AND CONDUIT ROUTING FOR TYPE B MODIFIED SERVICE CABINET WITH CONTROLLER CABINET.
8. VERIFY PAD SIZE AND LOCATION WITH PROJECT ENGINEER PRIOR TO PLACING.

## CONSTRUCTION NOTES:

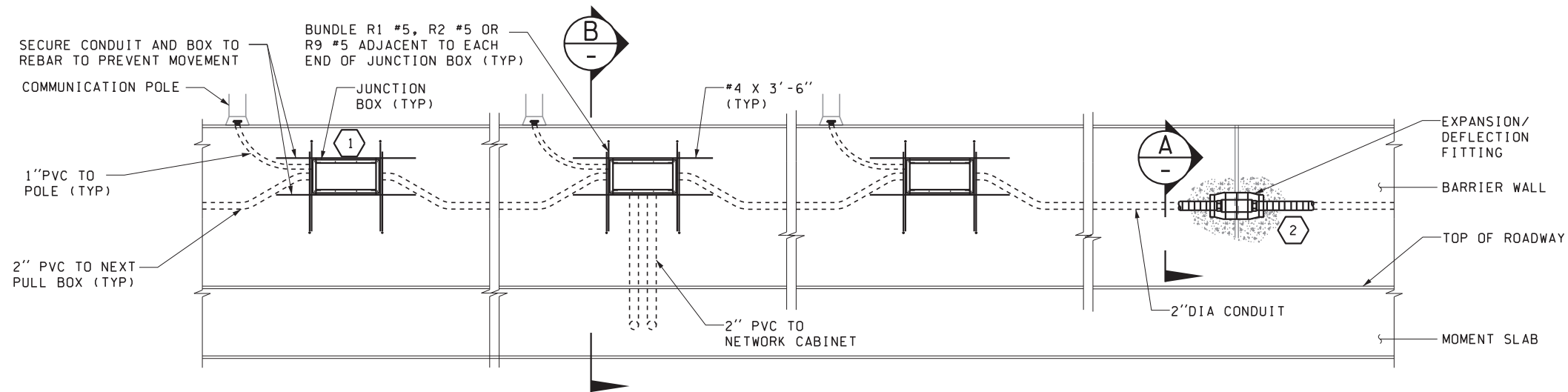
1. DRIVE GROUND RODS BEFORE PLACING CONCRETE. MOVE ROD(S) AND DRAIN TILES WITH COVER(S) AS REQUIRED TO ACHIEVE FULL GROUND PENETRATION. MAINTAIN A 6' (FT) MINIMUM CLEARANCE BETWEEN GROUND RODS AND 6" (IN) FROM FOUNDATION EDGE AS DETAILED ON STANDARD PLAN J-60.05.
2. GRS CONDUITS PENETRATING ALL CABINETS SHALL BE TERMINATED WITH GROUNDING END BUSHING AND BONDED TO THE CABINET GROUNDING BUS. ALL PVC CONDUITS PENETRATING CABINET SHALL BE TERMINATED WITH END BELL BUSHINGS.
3. INSTALL CONDUIT COUPLINGS ON ALL CONDUITS. PLACE COUPLING TOPS FLUSH WITH TOP OF CONCRETE. IF PVC CONDUITS ARE SPECIFIED, THE CONDUIT STUB AND END BELL BUSHING SHALL NOT BE GLUED TO THE COUPLING.



FILE NAME: PW:\WSF\Mukilteo\14w121_FERRYTERMCONST\CADD\ERGOSYNCH\FILES\$					
PRINTED: 8:02:13 AM 9/19/2018	LAST PRINTED BY:				FED.AID PROJ.NO.
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DESIGNED BY: M. KNICKERBOCKER	9/19/2018				REGION NO. STATE
ENTERED BY: J. MCNABB	9/19/2018				10 WASH
CHECKED BY: S. HARRIS	9/19/2018				JOB NUMBER
MAR PROJ ENGR: C. TORRES					18W121
DIR TERM ENGR: N. MCINTOSH					CONTRACT NO.
ASST SECRETARY: A. SCARTON					00****
	REVISION	DATE	BY		



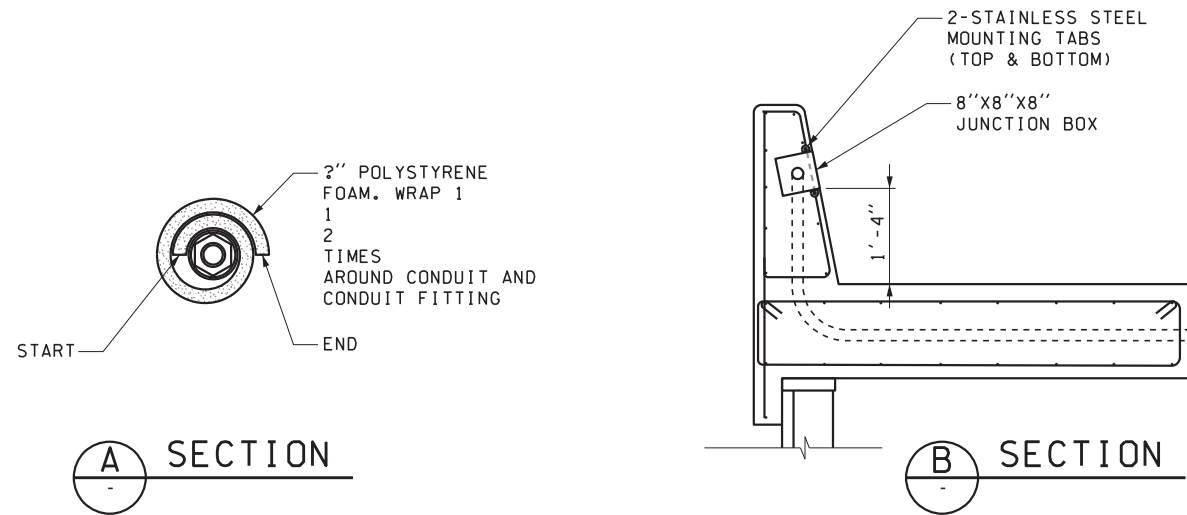
SR 525 MUKILTEO FERRY TERMINAL (PHASE 2) FERRY TERMINAL CONSTRUCTION		ES03.34
NETWORK CABINET DETAILS		SHEET 370 OF 1521 SHEETS



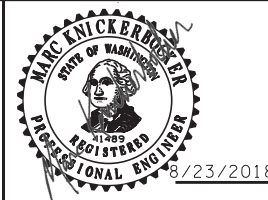
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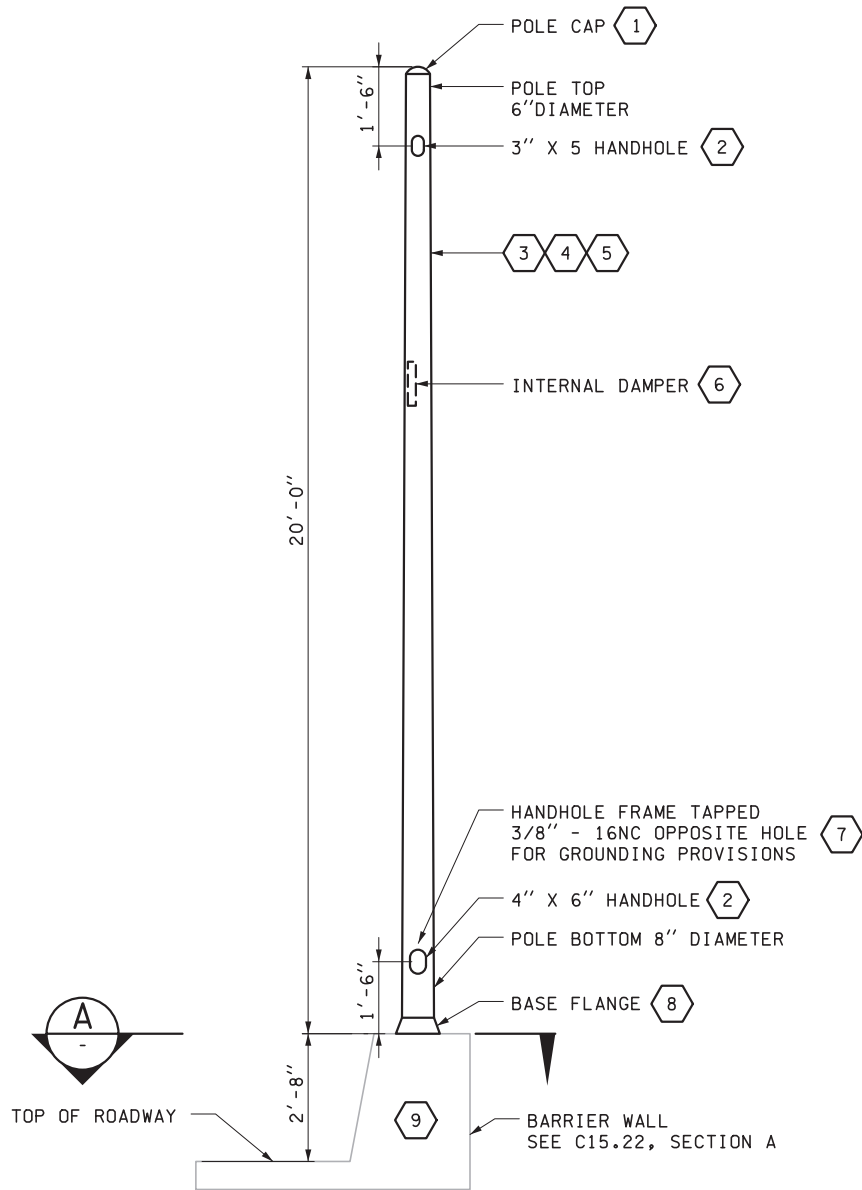
- 1 PROVIDE 8"x8"x18" NEMA 4X 316 SS NON-ADJUSTABLE FLUSH-MOUNT JUNCTION BOX PER STANDARD PLAN J-40.36-01 AND STANDARD SPECIFICATIONS 8-20.3(6)/ 9-29.2.
- 2 AT ALL EXPANSION JOINTS, PROVIDE WATERTIGHT, CORROSION-RESISTANT, FLEXIBLE COUPLINGS THAT INDIVIDUALLY PROVIDE:
  - AXIAL EXPANSION OR CONTRACTION UP TO 0.75 INCHES
  - PARALLEL MISALIGNMENT OF THE COUPLED CONDUIT IN ANY DIRECTION UP TO 0.75 INCHES
  - ANGULAR MISALIGNMENT UP TO 30 DEGREES
  - INNER SLEEVE THAT MAINTAINS CONSTANT INSIDE DIAMETER IN ANY POSITION AND PROVIDES A SMOOTH INSULATED WIREWAY
  - RATED FOR DIRECT BURIAL
  - STAINLESS STEEL HARDWARE EXAMPLE PRODUCT: CROUSE-HINDS XD SERIES

1 CONDUITS AND J-BOX IN TRAFFIC BARRIER ELEVATION

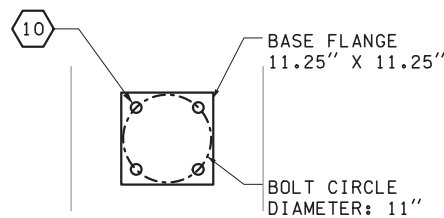


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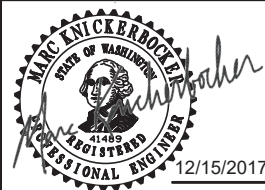
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- THE SHAFT SHALL BE CONSTRUCTED OF SEAMLESS EXTRUDED TUBE OF 6063 OR 6061 ALUMINUM ALLOY PER THE REQUIREMENTS ASTM B221 OF SUFFICIENT NOMINAL THICKNESS TO MEET THE DESIGN REQUIREMENTS WITHOUT THE USE OF INTERNAL REINFORCEMENT SLEEVE. NO LONGITUDINAL SHAFT WELDS SHALL BE ALLOWED. THE SHAFT SHALL BE FULL-LENGTH HEAT-TREATED AFTER WELDING TO PRODUCE A T6 TEMPER. THE HEAT TREATING OVEN USED SHALL BE CERTIFIED TO MEET THE REQUIREMENTS OF ASTM B597 AND MIL-H-6088 SPECIFICATIONS.
- THE POLE SHAFT SHALL BE PROVIDED WITH SATIN FINISH ACCOMPLISHED BY MECHANICAL ROTARY GRINDING, MECHANICALLY ABRADING OR THERMOSET POWDER COATED PAINTED. ALL MATERIALS SHALL BE CLEANED AND FREE FROM DENTS AND UNSIGHTLY SCRATCHES. POLE SHAFTS SHALL BE SATIN GROUND, CHEMICALLY ETCHED, SANDED OR SHOT BLASTED TO ENSURE PROPER POWDER COAT SURFACE ADHESION. TO ENSURE THAT THE PREPARED PARTS ARE KEPT CLEAN AND NOT EXPOSED TO DIRT, DUST, GREASE OR OIL AND TO ENSURE MAXIMUM POWDER COAT ADHESION, THE PRODUCT SHALL PROCEED CONTINUOUSLY AND IMMEDIATELY TO THE POWDER COATING PROCESS WITHIN THE SAME FACILITY WHERE THE POLES ARE MANUFACTURED. POWDER COATING MATERIAL SHALL BE A THERMOSETTING POLYESTER POWDER COATING. A MINIMUM COATING THICKNESS OF 2.0 MILS SHALL BE MAINTAINED.
- WELDING SHALL BE DONE BY INERT GAS SHEILDED METAL ARC METHOD WITH CONSUMABLE ELECTRODE. ALUMINUM ALLOY 1043 ELECTRODE SHALL BE USED. WELDING SHALL BE IN ACCORDANCE WITH AWS SPECIFICATION D1.2, STRUCTURAL WELDING CODE - ALUMINUM.
- PROVIDE FACTORY INSTALLED INTERNAL VIBRATION DAMPER.
- EACH POLE SHAFT SHALL CONTAIN AN INTERNAL GROUND PROVISION FOR THE PURPOSE OF ATTACHING A GROUNDING CONNECTOR.
- THE BASE FLANGE FOR THE ATTACHMENT OF THE SHAFT TO THE BARRIER WALL FOUNDATION SHALL BE ONE PIECE CAST SOCKET OF ALUMINUM ALLOY 356 PER ASTM B26 OR B108. BASE FLANGE SHALL BE JOINED TO POLE SHAFT BY MEANS OF COMPLETE CIRCUMFERENTIAL WELDS; EXTERNALLY AT THE TOP OF THE FLANGE AND INTERNALLY AT BOTTOM OF SHAFT TUBE. FOUR ANCHOR BOLT COVERS OF CAST ALUMINUM AND STAINLESS STEEL SCREWS FOR THEIR ATTACHMENT SHALL BE PROVIDED.
- INSTALL CONDUIT FROM NEAREST JUNCTION BOX IN BARRIER WALL TO BASE OF THE POLE PER DRAWING ES03.36.
- COORDINATE REQUIREMENTS FOR ANCHOR BOLTS INSTALLATION IN BARRIER WALL WITH THE POLE MANUFACTURER. EACH ANCHOR BASE POLE SHALL BE SUPPLIED WITH ANCHOR BOLTS. ANCHOR BOLTS SHALL HAVE MINIMUM YIELD STRENGTH OF 55,000 PSI PER AASHTO M314-90. STEEL ANCHOR BOLTS THREADED AND HOT DIPPED GALVANIZED AT THE THREADED END PER ASTM A153 SHALL BE SUPPLIED WITH EACH POLE. THE BOLTS SHALL INCLUDE A RIGHT ANGLE HOOK AT THE UNTHREADED END. EACH BOLT SHALL INCLUDE ONE NUT, ONE FLATWASHER AND ONE LOCKWASHER GALVANIZED PER ASTM A153 SHALL BE SUPPLIED WITH EACH ANCHOR BOLT.

### NOTES:

- EXAMPLE PRODUCT: HAPCO, MODEL RTA20D8C4-\*\* (ROUND TAPPED POLE).
- COMMUNICATION POLES ARE PROVIDED FOR MOUNTING OF SPEAKERS TO BE INSTALLED WITH PUBLIC ADDRESS.



FILE NAME: PW:\WSF\Mukilteo\14w121_FERRYTERMCONST\CADD\ERGOSYNCH\14w121es03_37.dlv					
PRINTED: 3:29:09 PM 12/6/2017	LAST PRINTED BY:				FED.AID PROJ.NO.
SUBMITTAL DATE: 12/22/17	JMCNABB				WA-2017-007-00
DESIGNED BY: M. KNICKERBOCKER	12/22/17				REGION NO. STATE
ENTERED BY: J. MCNABB	12/22/17				10 WASH
CHECKED BY: S. HARRIS	12/22/17				JOB NUMBER
MAR PROJ ENGR: C. TORRES					18W121
DIR TERM ENGR: N. MCINTOSH					CONTRACT NO.
ASST SECRETARY: A. SCARTON		REVISION	DATE	BY	00*****



SR 525 MUKILTEO FERRY TERMINAL (PHASE 2) FERRY TERMINAL CONSTRUCTION	
COMMUNICATIONS POLE DETAILS	

ES03.37
SHEET 372 OF 1521 SHEETS



## PANEL WSDOT #1 (NEW)

LOCATION: **SITE ELECTRICAL**  
**SR525 INTERSECTION**

AIC RATINGS: **10.000**

CKT	BREAKER	WIRE SIZE	DESCRIPTION	AMPERES			CKT	BREAKER	WIRE SIZE	DESCRIPTION	AMPERES		
				A	B						A	B	
1	20A/2P	#10	LIGHTING CIRCUIT 31	1.1	-		2	20A/1P	#12	RECEPTACLE	15	-	
3	-			-	1.1		4	15A/1P	#14	PHOTOCELL	-	8.3	
5	30A/2P	#10	SR525 TRAFFIC UPS	13	-		6	20A/1P	#12	HEATER	1	-	
7	-			-	13		8	20A/1P	-	SPARE	-	0	
9	20A/1P	-	SPARE	0	-		10	-	-	SPACE	0	-	
11	-	-	SPACE	-	0		12	-	-	SPACE	-	0	
13	-	-	SPACE	0	-		14	-	-	SPACE	0	-	
15	-	-	SPACE	-	0		16	-	-	SPACE	-	0	
17	-	-	SPACE	0	-		18	-	-	SPACE	0	-	
19	-	-	SPACE	-	0		20	-	-	SPACE	-	0	
21	-	-	SPACE	0	-		22	-	-	SPACE	0	-	
23	-	-	SPACE	-	0		24	-	-	SPACE	-	0	
TOTAL				14	14		TOTAL				16	8	

MAXIMUM KVA
7

NEW PANEL WSDOT NOTES:

1. WSDOT STANDARD TYPE 'D' SERVICE CABINET.  
2. CONTRACTOR TO INSTALL 20A LIGHTING CONTACTORS FOR LIGHTING CIRCUITS. SEE WSDOT STANDARD DETAIL J-10.21-00 FOR WIRING DIAGRAM.

PANEL WSDOT #1 (NEW)				
LOAD TYPE	CONNECTED	DEMAND		
LIGHTING (VA)	528	528	DEMAND = 100% CONNECTED	
RECEPTACLE (VA)	3600	3600	NEC TABLE 220.44	
MISC. CONTINUOUS (VA)	8232	8232	DEMAND = 100% CONNECTED	
MISC. NONCONTINUOUS (VA)	0	0	DEMAND = 100% CONNECTED	
MOTORS (VA)	0	0	DEMAND = 100% CONNECTED	
25% OF LARGEST MOTOR (VA)	0	0	DEMAND = 100% CONNECTED	
HEATING (VA)	240	240	COUNTED HEATING OR AC,	
AC (VA)	0	0	WHICHEVER IS LARGER.	
WATER HEATING (VA)	0	0	DEMAND = 100% CONNECTED	
SUBTOTAL (VA)	12600	12600		
TOTAL (A) AT 240V	52.50	52.50		
20% SPARE (VA)		2520		
TOTAL (VA)		15120		
TOTAL (A) AT 240V		63.00		

OCPD SIZING	
125% CONTINUOUS	
LIGHTING (VA)	660
MISC. CONTINUOUS (VA)	10290
HEATING (VA)	300
WATER HEATING (VA)	0
100% NONCONTINUOUS	
RECEPTACLE (VA)	3600
MISC. NONCONTINUOUS (VA)	0
MOTORS + 25% LARGEST MOTOR (VA)	0
AC (VA)	0
SPARE (VA)	2520
MIN TOTAL (VA)	17370
MIN TOTAL (A) AT 240V	72.38

## PANEL WSDOT #2 (NEW)

MOUNTING:	<u>SURFACE</u>	MAIN RATING:	<u>200A PANEL 200A MB</u>	LOCATION:	<u>SITE ELECTRICAL</u>
NEMA RATING:	<u>NEMA 3R</u>	MAIN CABLES:	<u>BY SNOPIUD</u>		<u>TOLL PLAZA INTERSECTION</u>
VOLTAGE:	<u>120/240V, 1PH, 3W</u>	SOURCE:	<u>UTILITY XFMR T-1</u>	AIC RATINGS:	<u>10,000</u>

[illegible]

NOTES:	
1.	
2.	
3.	
4.	
5.	

TOTAL AMPERES	
BUS A	27.5
BUS D	19.8

SUB-FEED	
SUB-FEED CABLES	

MAXIMUM KVA
7

NEW PANEL WSDOT NOTES:

1. WSDOT STANDARD TYPE 'D' SERVICE CABINET.
2. CONTRACTOR TO INSTALL 20A LIGHTING CONTACTORS FOR LIGHTING CIRCUITS. SEE WSDOT STANDARD DETAIL J-10.21-00 FOR WIRING DIAGRAM.

## PANEL WSDOT #2 (NEW)

LOAD TYPE	CONNECTED	DEMAND
LIGHTING (VA)	288C	2880
RECEPTACLE (VA)	360C	3600
MISC. CONTINUOUS (VA)	288C	2880
MISC. NONCONTINUOUS (VA)	C	0
MOTORS (VA)	C	0
25% OF LARGEST MOTOR (VA)	C	0
HEATING (VA)	1992	1992
AC (VA)	C	0
WATER HEATING (VA)	C	0
<b>SUBTOTAL (VA)</b>	<b>11352</b>	<b>11352</b>
<b>TOTAL (A) AT 240V</b>	<b>47.30</b>	<b>47.30</b>
20% SPARE (VA)		2270
<b>TOTAL (VA)</b>		<b>13622</b>
<b>TOTAL (A) AT 240V</b>		<b>56.76</b>

DEMAND = 100% CONNECTED  
 NEC TABLE 220.44  
 DEMAND = 100% CONNECTED  
 DEMAND = 100% CONNECTED  
 DEMAND = 100% CONNECTED  
 DEMAND = 100% CONNECTED  
 COUNTED HEATING OR AC,  
 WHICHEVER IS LARGER.  
 DEMAND = 100% CONNECTED

OCPD SIZING	
<i>125% CONTINUOUS</i>	
LIGHTING (VA)	3600
MISC. CONTINUOUS (VA)	3600
HEATING (VA)	2490
WATER HEATING (VA)	0
<i>100% NONCONTINUOUS</i>	
RECEPTACLE (VA)	3600
MISC. NONCONTINUOUS (VA)	0
MOTORS + 25% LARGEST MOTOR (VA)	0
AC (VA)	0
SPARE (VA)	2270
<b>MIN TOTAL (VA)</b>	<b>15560</b>
<b>MIN TOTAL (A) AT 240V</b>	<b>64.84</b>

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ENTERED BY: J. SLATER		12/15/2017						REGION NO. STATE	
CHECKED BY: C. YUN		12/15/2017						10 WASH	
MAR PROJ ENGR: C. TORRES								JOB NUMBER 18W121	
DIR TERM ENGR: N. MCINTOSH								CONTRACT NO. 00*****	
ASST SECRETARY: A. SCARTON				REVISION		DATE		BY	



2/22/2018



**Washington State**  
**Department of Transportation**  
WASHINGTON STATE FERRIES

SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION

## SITE ELECTRICAL PANEL SCHEDULES

ES06.01

SHEET  
374  
OF  
1521  
SHEETS

## PANEL MUK (NEW)

CKT	BREAKER	WIRE SIZE	DESCRIPTION	AMPERES			CKT	BREAKER	WIRE SIZE	DESCRIPTION	AMPERES			
				A	B	C					A	B	C	
1	20A/2P	#10	LIGHTING CIRCUIT 11	1	-		2	20A/2P	#10	LIGHTING CIRCUIT 15	0.9	-		
3	-	-		-	1		4	-	-		-	0.9		
5	20A/2P	#10	LIGHTING CIRCUIT 12	1	-		6	20A/2P	#6	LIGHTING CIRCUIT 16	0.5	-		
7	-	-		-	1		8	-	-		-	0.5		
9	20A/2P	#10	LIGHTING CIRCUIT 13	1.3	-		10	20A/2P	#12	IRRIGATION CONTROLLER	2	-		
11	-	-		-	1.3		12	-	-		-	0		
13	20A/2P	#10	LIGHTING CIRCUIT 14	1.3	-		14	20A/1P	-	SPARE	0	-		
15	-	-		-	1.3		16	15A/1P	#14	PHOTOCELL	-	8.3		
17	-	-	SPACE	0	-		18	20A/1P	#12	RECEPTACLE	15	-		
TOTAL				5	5						TOTAL	18	10	

MAXIMUM KVA
6

1. WSDOT STANDARD TYPE 'B' MODIFIED SERVICE CABINET.  
2. CONTRACTOR TO INSTALL 20A LIGHTING CONTACTORS FOR LIGHTING CIRCUITS. SEE WSDOT STANDARD DETAIL J-10.20-01 FOR WIRING DIAGRAM.



PANEL MUK (NEW)			
LOAD TYPE	CONNECTED	DEMAND	
LIGHTING (VA)	3312	3312	DEMAND = 100% CONNECTED
RECEPTACLE (VA)	3600	3600	NEC TABLE 220.44
MISC. CONTINUOUS (VA)	1992	1992	DEMAND = 100% CONNECTED
MSC. NONCONTINUOUS (VA)	0	0	DEMAND = 100% CONNECTED
MOTORS (VA)	0	0	DEMAND = 100% CONNECTED
25% OF LARGEST MOTOR (VA)	0	0	DEMAND = 100% CONNECTED
HEATING (VA)	0	0	COUNTED HEATING OR AC, WHICHEVER IS LARGER.
AC (VA)	0	0	
WATER HEATING (VA)	0	0	
SUBTOTAL (VA)	8904	8904	
TOTAL (A) AT 240V	37.0	37.10	
20% SPARE (VA)		1781	
TOTAL (VA)		10685	
TOTAL (A) AT 240V		44.52	

PANEL WSF (NEW)			
MOUNTING:	<u>SURFACE</u>	MAIN RATING: <u>200A PANEL, 200A MB</u>	LOCATION: <u>SITE ELECTRICAL</u>
NEMA RATING:	<u>NEMA 3R</u>	MAIN CABLES: <u>BY SNOPIUD</u>	<u>TRANSIT CENTER</u>
VOLTAGE:	<u>120/240V, 1PH, 3W</u>	SOURCE: <u>UTILITY XFMRT-2</u>	AIC RATINGS: <u>10,000</u>

NOTES:		TOTAL AMPERES		SUB-FEED		
1.		BUS A	12.3	SUB-FEED CABLES		
2.		BUS B	19			
3.						
4.						
5.						

MAXIMUM KVA	
5	

1. WSDOT STANDARD TYPE 'D' SERVICE CABINET.  
2. CONTRACTOR TO INSTALL 20A LIGHTING CONTACTORS FOR LIGHTING CIRCUITS. SEE WSDOT STANDARD DETAIL J-10.21-00 FOR WIRING DIAGRAM.

 2/22/2018	 <b>Washington State</b> <b>Department of Transportation</b> WASHINGTON STATE FERRIES	SR 525 MUKILTEO FERRY TERMINAL (PHASE 2) FERRY TERMINAL CONSTRUCTION	ES06.0 SHEET 376 OF 1521 SHEETS
		SITE ELECTRICAL PANEL SCHEDULES	



LUMINAIRE SCHEDULE - CITY OF MUKILTEO (MUK)

LUMINAIRE NUMBER	CIRCUIT	LOCATION			TYPE-DIST-WATTAGE	MAST ARM	H1	POLE TYPE	COMMENTS
		ALIGNMENT	STATION	OFFSET					
LP1101	11	TF LINE	110+02.23	22.5' LT	III-MED DIRECT-56W LED	6'	25'	MUKILTEO	-
LP1102	11	TF LINE	111+70.61	22.5' LT	III-MED DIRECT-56W LED	6'	25'	MUKILTEO	-
LP1103	11	TF LINE	113+42.32	22.5' LT	III-MED DIRECT-56W LED	6'	25'	MUKILTEO	-
LP1104	11	TF LINE	115+22.14	22.4' LT	III-MED DIRECT-56W LED	6'	25'	MUKILTEO	SEE DWG ES09.00
LP1105	11	TF LINE	117+04.7	22.5' LT	III-MED DIRECT-56W LED	6'	25'	MUKILTEO	SEE DWG ES09.00
LP1106	11	TF LINE	118+80.28	22.0' LT	III-MED DIRECT-56W LED	6'	25'	MUKILTEO	SEE DWG ES09.00
LP1107	11	TF LINE	120+78.29	22.9' LT	III-MED DIRECT-56W LED	6'	25'	MUKILTEO	-
LP1108	11	TF LINE	122+78.79	22.5' LT	III-MED DIRECT-56W LED	6'	25'	MUKILTEO	-
LP1109	11	TF LINE	124+89.89	20.6' LT	III-MED DIRECT-56W LED	6'	25'	MUKILTEO	-
LP1201	12	TF LINE	109+30.03	15.0' RT	III-MED DIRECT-56W LED	6'	25'	MUKILTEO	-
LP1202	12	TF LINE	110+93.95	20.7' LT	III-MED DIRECT-56W LED	6'	25'	MUKILTEO	-
LP1203	12	TF LINE	112+59.82	22.5' LT	III-MED DIRECT-56W LED	6'	25'	MUKILTEO	-
LP1204	12	TF LINE	114+32.08	22.1' LT	III-MED DIRECT-56W LED	6'	25'	MUKILTEO	-
LP1205	12	TF LINE	116+12.39	22.6' LT	III-MED DIRECT-56W LED	6'	25'	MUKILTEO	SEE DWG ES09.00
LP1206	12	TF LINE	118+00.38	22.6' LT	III-MED DIRECT-56W LED	6'	25'	MUKILTEO	SEE DWG ES09.00
LP1207	12	TF LINE	120+06.57	15.0' RT	III-MED DIRECT-56W LED	6'	25'	MUKILTEO	-
LP1208	12	TF LINE	121+77.78	22.5' LT	III-MED DIRECT-56W LED	6'	25'	MUKILTEO	-
LP1209	12	TF LINE	123+78.12	22.5' LT	III-MED DIRECT-56W LED	6'	25'	MUKILTEO	-
LP1301	13	TF LINE	106+39.34	33.0' LT	III-MED DIRECT-56W LED	6'	25'	MUKILTEO	-
LP1302	13	TF LINE	104+89.37	59.0' LT	III-MED DIRECT-56W LED	6'	25'	MUKILTEO	-
LP1303	13	TF LINE	102+99.2	34.2' LT	III-MED DIRECT-56W LED	6'	25'	MUKILTEO	-
LP1304	13	TF LINE	101+11.53	34.3' LT	III-MED DIRECT-56W LED	6'	25'	MUKILTEO	-
LP1305	13	TF LINE	105+85.94	27.0' RT	III-MED DIRECT-56W LED	6'	25'	MUKILTEO	-
LP1306	13	TF LINE	104+32.45	27.2' RT	III-MED DIRECT-56W LED	6'	25'	MUKILTEO	-
LP1307	13	TF LINE	102+26.95	27.2' RT	III-MED DIRECT-56W LED	6'	25'	MUKILTEO	-
LP1308	13	COM LINE	21+60.77	17.45' LT	III-MED DIRECT-56W LED	6'	25'	MUKILTEO	-
LP1309	13	COM LINE	22+27.70	32.1' RT	III-MED DIRECT-56W LED	6'	25'	MUKILTEO	-
LP1310	13	COM LINE	24+23.98	32.2' RT	III-MED DIRECT-56W LED	6'	25'	MUKILTEO	-
LP1311	13	TF LINE	100+21.58	110' RT	III-MED DIRECT-56W LED	6'	25'	MUKILTEO	-
LP1401	14	TF LINE	107+40.43	33.0' LT	III-MED DIRECT-56W LED	6'	25'	MUKILTEO	-
LP1402	14	TF LINE	105.27.93	33.0' LT	III-MED DIRECT-56W LED	6'	25'	MUKILTEO	-
LP1403	14	TF LINE	104+01.29	34.3' LT	III-MED DIRECT-56W LED	6'	25'	MUKILTEO	-
LP1404	14	TF LINE	102+04.98	34.3' LT	III-MED DIRECT-56W LED	6'	25'	MUKILTEO	-
LP1405	14	TF LINE	106+96.19	27.0' RT	III-MED DIRECT-56W LED	6'	25'	MUKILTEO	-
LP1406	14	TF LINE	105+13.76	27.8' RT	III-MED DIRECT-56W LED	6'	25'	MUKILTEO	-
LP1407	14	TF LINE	103+27.26	27.2' RT	III-MED DIRECT-56W LED	6'	25'	MUKILTEO	-
LP1408	14	TF LINE	101+26.64	27.2' RT	III-MED DIRECT-56W LED	6'	25'	MUKILTEO	-
LP1409	14	COM LINE	21+28.71	32.0' RT	III-MED DIRECT-56W LED	6'	25'	MUKILTEO	-
LP1410	14	COM LINE	23+25.84	32.2' RT	III-MED DIRECT-56W LED	6'	25'	MUKILTEO	-
LP1411	14	COM LINE	23+98.81	30.7' LT	III-MED DIRECT-56W LED	6'	25'	MUKILTEO	-
BL1501	15	E LINE	17+62.0	22.5' LT	VS-MED-41W LED	-	-	BOLLARD	-
BL1502	15	E LINE	17+82.0	22.5' LT	VS-MED-41W LED	-	-	BOLLARD	-
BL1503	15	E LINE	18+02.0	26.9' LT	VS-MED-41W LED	-	-	BOLLARD	-
BL1504	15	E LINE	18+22.0	26.9' LT	VS-MED-41W LED	-	-	BOLLARD	-
BL1505	15	E LINE	18+42.0	22.5' LT	VS-MED-41W LED	-	-	BOLLARD	-
BL1506	15	E LINE	18+62.0	22.5' LT	VS-MED-41W LED	-	-	BOLLARD	-
BL1507	15	E LINE	18+82.0	22.5' LT	VS-MED-41W LED	-	-	BOLLARD	-
BL1508	15	E LINE	19+02.0	22.5' LT	VS-MED-41W LED	-	-	BOLLARD	-
BL1509	15	E LINE	19+22.0	22.5' LT	VS-MED-41W LED	-	-	BOLLARD	-
BL1510	15	E LINE	19+42.0	22.5' LT	VS-MED-41W LED	-	-	BOLLARD	-

CONT. - LUMINAIRE SCHEDULE - CITY OF MUKILTEO (MUK)

LUMINAIRE NUMBER	CIRCUIT	LOCATION			TYPE-DIST-WATTAGE	MAST ARM	H1	POLE TYPE	COMMENTS
		ALIGNMENT	STATION	OFFSET					
BL1511	15	E LINE	19+62.0	22.5' LT	VS-MED-41W LED	-	-	BOLLARD	-
BL1512	15	E LINE	19+82.0	22.5' LT	VS-MED-41W LED	-	-	BOLLARD	-
BL1601	16	TF LINE	120+48.0	148.2' LT	VS-MED-41W LED	-	-	BOLLARD	-
BL1602	16	TF LINE	120+66.1	146.8' LT	VS-MED-41W LED	-	-	BOLLARD	-
BL1603	16	TF LINE	120+81.6	145.8' LT	VS-MED-41W LED	-	-	BOLLARD	-
BL1604	16	TF LINE	120+97.0	145.5' LT	VS-MED-41W LED	-	-	BOLLARD	-
BL1605	16	TF LINE	121+17.0	145.5' LT	VS-MED-41W LED	-	-	BOLLARD	-
BL1606	16	TF LINE	121+37.2	145.5' LT	VS-MED-41W LED	-	-	BOLLARD	-
BL1607	16	TF LINE	121+61.6	145.5' LT	VS-MED-41W LED	-	-	BOLLARD	-
BL1608	16	TF LINE	121+81.5	145.5' LT	VS-MED-41W LED	-	-	BOLLARD	-
BL1609	16	TF LINE	122+01.5	145.5' LT	VS-MED-41W LED	-	-	BOLLARD	-
BL1610	16	TF LINE	122+21.8	145.5' LT	VS-MED-41W LED	-	-	BOLLARD	-
BL1611	16	TF LINE	122+41.5	145.5' LT	VS-MED-41W LED	-	-	BOLLARD	-
BL1612	16	TF LINE	122+61.5	145.5' LT	VS-MED-41W LED	-	-	BOLLARD	-
BL1613	16	TF LINE	122+81.5	145.5' LT	VS-MED-41W LED	-	-	BOLLARD	-
BL1614	16	TF LINE	123+01.5	145.5' LT	VS-MED-41W LED	-	-	BOLLARD	-
BL1615	16	TF LINE	123+21.5	145.5' LT	VS-MED-41W LED	-	-	BOLLARD	-
BL1616	16	TF LINE	123+41.5	145.5' LT	VS-MED-41W LED	-	-	BOLLARD	-
BL1617	16	TF LINE	123+61.5	145.5' LT	VS-MED-41W LED	-	-	BOLLARD	-
BL1618	16	TF LINE	123+81.7	145.5' LT	VS-MED-41W LED	-	-	BOLLARD	-
BL1619	16	TF LINE	124+00.6	145.5' LT	VS-MED-41W LED	-	-	BOLLARD	-
BL1620	16	TF LINE	124+16.2	145.9' LT	VS-MED-41W LED	-	-	BOLLARD	-
BL1621	16	TF LINE	124+33.3	143.6' LT	VS-MED-41W LED	-	-	BOLLARD	-
BL1622	16	TF LINE	124+56.8	145.5' LT	VS-MED-41W LED	-	-	BOLLARD	-
BL1623	16	TF LINE	124+71.3	126.6' LT	VS-MED-41W LED	-	-	BOLLARD	-

FILE NAME: WSF\Mukilteo\14W121\_FerryTermConst\CADD\JACOBS\14w121es07\_00.dwg

PRINTED: 9:24:11 AM 8/23/2018

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yunc

SUBMITTAL DATE: 08/23/18

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DESIGNED BY: J. SLATER

8/23/2018

ENTERED BY: J. SLATER

8/23/2018

CHECKED BY: M. BAGINSKI

MAR PROJ ENGR: C. TORRES

DIR TERM ENGR: N. MCINTOSH

ASST SECRETARY: A. SCARTON

REVISION

DATE

BY

FED.AID  
PROJ.NO.

WA-2017-007-00

REGION NO. STATE

10 WASH

JOB NUMBER  
18W121

CONTRACT NO.

00\*\*\*\*\*



8/23/2018

JACOBS



Washington State  
Department of Transportation  
WASHINGTON STATE FERRIES

SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION

SITE ILLUMINATION  
FIXTURE SCHEDULE

ES07.00

SHEET

377

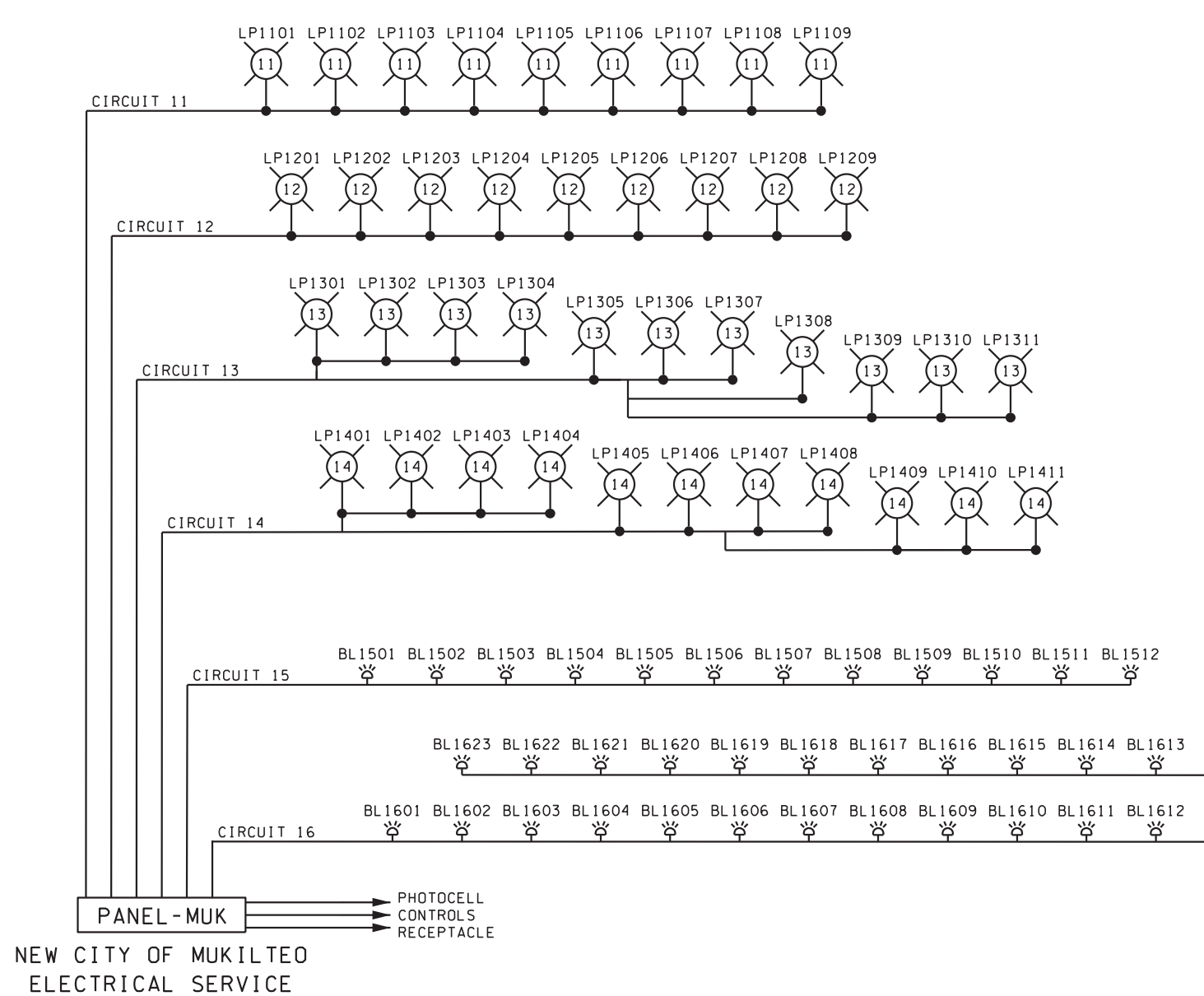
OF

1521

SHEETS

LUMINAIRE SCHEDULE - WASHINGTON STATE FERRIES (WSF)									
LUMINAIRE NUMBER	CIRCUIT	LOCATION			TYPE-DIST-WATTAGE	MAST ARM	H1	POLE TYPE	COMMENTS
		ALIGNMENT	STATION	OFFSET					
BL2101	21	E LINE	16+74.8	19.4' LT	VS-MED-41W LED	-	-	BOLLARD	-
BL2102	21	E LINE	15+81.6	19.6' LT	VS-MED-41W LED	-	-	BOLLARD	-
BL2103	21	E LINE	14+88.9	19.6' LT	VS-MED-41W LED	-	-	BOLLARD	-
BL2104	21	E LINE	13+97.3	19.6' LT	VS-MED-41W LED	-	-	BOLLARD	-
BL2105	21	E LINE	13+04.2	19.6' LT	VS-MED-41W LED	-	-	BOLLARD	-
BL2106	21	E LINE	12+13.1	19.4' LT	VS-MED-41W LED	-	-	BOLLARD	-
BL2107	21	E LINE	11+27.3	21.9' LT	VS-MED-41W LED	-	-	BOLLARD	-
BL2201	22	E LINE	16+28.3	19.4' LT	VS-MED-41W LED	-	-	BOLLARD	-
BL2202	22	E LINE	15+35.5	19.6' LT	VS-MED-41W LED	-	-	BOLLARD	-
BL2203	22	E LINE	14+43.5	19.6' LT	VS-MED-41W LED	-	-	BOLLARD	-
BL2204	22	E LINE	13+50.9	19.6' LT	VS-MED-41W LED	-	-	BOLLARD	-
BL2205	22	E LINE	12+57.3	19.6' LT	VS-MED-41W LED	-	-	BOLLARD	-
BL2206	22	E LINE	11+71.5	21.5' LT	VS-MED-41W LED	-	-	BOLLARD	-
BL2207	22	E LINE	10+86.2	22.9' LT	VS-MED-41W LED	-	-	BOLLARD	-
LP2301	23	E LINE	21+34.47	23.4' RT	II-MED-315W LED	6'	40'	WSF	OCCUPANCY SENSOR, SEE DWG ES09.00
LP2302	23	E LINE	18+11.73	22.7' RT	II-MED-315W LED	6'	40'	WSF	OCCUPANCY SENSOR, SEE DWG ES09.00
LP2303	23	E LINE	14+48.12	16.7' RT	II-MED-315W LED	6'	40'	WSF	OCCUPANCY SENSOR
LP2304	23	E LINE	13+75.24	22.3' RT	II-MED-315W LED	6'	30'	WSF	OCCUPANCY SENSOR
LP2305	23	E LINE	11+15.2	22.5' RT	II-MED-315W LED	6'	30'	WSF	OCCUPANCY SENSOR, HOUSE SIDE SHIELD
LP2306	23	E LINE	12.71.52	106.6' RT	IV-SHORT-213W LED	6'	30'	WSF	OCCUPANCY SENSOR, HOUSE SIDE SHIELD
LP2400	24	E LINE	21+34.47	23.4' RT	II-MED-315W LED	6'	40'	WSF	OCCUPANCY SENSOR, SEE DWG ES09.00
LP2401	24	E LINE	19+87.2	23.5' RT	II-MED-315W LED	6'	40'	WSF	OCCUPANCY SENSOR, SEE DWG ES09.00
LP2402	24	E LINE	16+34.17	16.6' RT	II-MED-315W LED	6'	40'	WSF	OCCUPANCY SENSOR, SEE DWG ES09.00
LP2403	24	E LINE	13+75.24	22.3' RT	II-MED-315W LED	6'	30'	WSF	OCCUPANCY SENSOR,
LP2404	24	E LINE	12+49.17	21.32' RT	II-MED-315W LED	6'	30'	WSF	OCCUPANCY SENSOR,
LP2405	24	E LINE	11+41.45	96.4' RT	IV-SHORT-213W LED	6'	30'	WSF	OCCUPANCY SENSOR, HOUSE SIDE SHIELD
BL2501	25	TF LINE	120+33.1	122.6' LT	VS-MED-41W LED	-	-	BOLLARD	-
BL2502	25	TF LINE	120+30.8	91.4' LT	VS-MED-41W LED	-	-	BOLLARD	-
BL2503	25	TF LINE	120+28.4	60.2' LT	VS-MED-41W LED	-	-	BOLLARD	-
LP2601	26	TS LINE	35+01.37	17.8' RT	VMQ-SHORT-315W LED	6'	30'	WSF	OCCUPANCY SENSOR
LP2602	26	TS LINE	32+41.15	30.5' RT	VMQ-SHORT-315W LED	6'	30'	WSF	OCCUPANCY SENSOR
LP2603	26	TS LINE	30+89.78	24.3' RT	VMQ-SHORT-315W LED	6'	30'	WSF	OCCUPANCY SENSOR
LP2701	27	TS LINE	35+01.37	17.8' RT	VMQ-SHORT-315W LED	6'	30'	WSF	OCCUPANCY SENSOR
LP2702	27	TS LINE	33+50.16	30.5' RT	VMQ-SHORT-315W LED	6'	30'	WSF	OCCUPANCY SENSOR
LP2703	27	TS LINE	30+89.78	24.3' RT	VMQ-SHORT-315W LED	6'	30'	WSF	OCCUPANCY SENSOR

LUMINAIRE SCHEDULE - WASHINGTON STATE DOT (WSDOT)									
LUMINAIRE NUMBER	CIRCUIT	LOCATION			TYPE-DIST-WATTAGE	MAST ARM	H1	POLE TYPE	COMMENTS
		ALIGNMENT	STATION	OFFSET					
LP3101	31	SR 525 LINE	2+11.16	28.30 LT	IV-SPILL CNTRL-213W LED	6'	35'	SEE C16.10	HOUSE SIDE SHIELD
LP3102	31	SR 525 LINE	3+17.17	27.50 LT	IV-SPILL CNTRL-107W LED	6'	35'	SEE C16.10	-
LP3103	31	SR 525 LINE	3+27.00	46.07 RT	IV-SPILL CNTRL-107W LED	6'	35'	SEE C16.10	-
LP3104	31	SR 525 LINE	2+32.63	46.00' RT	IV-SPILL CNTRL-107W LED	6'	35'	SEE C16.10	-
LP3201	32	E LINE	10+26.3	51.92' LT	IV-SPILL CNTRL-107W LED	6'	35'	SEE C16.12	-
LP3202	32	TF LINE	108+36.7	26.72' RT	IV-SPILL CNTRL-107W LED	6'	35'	SEE C16.12	-

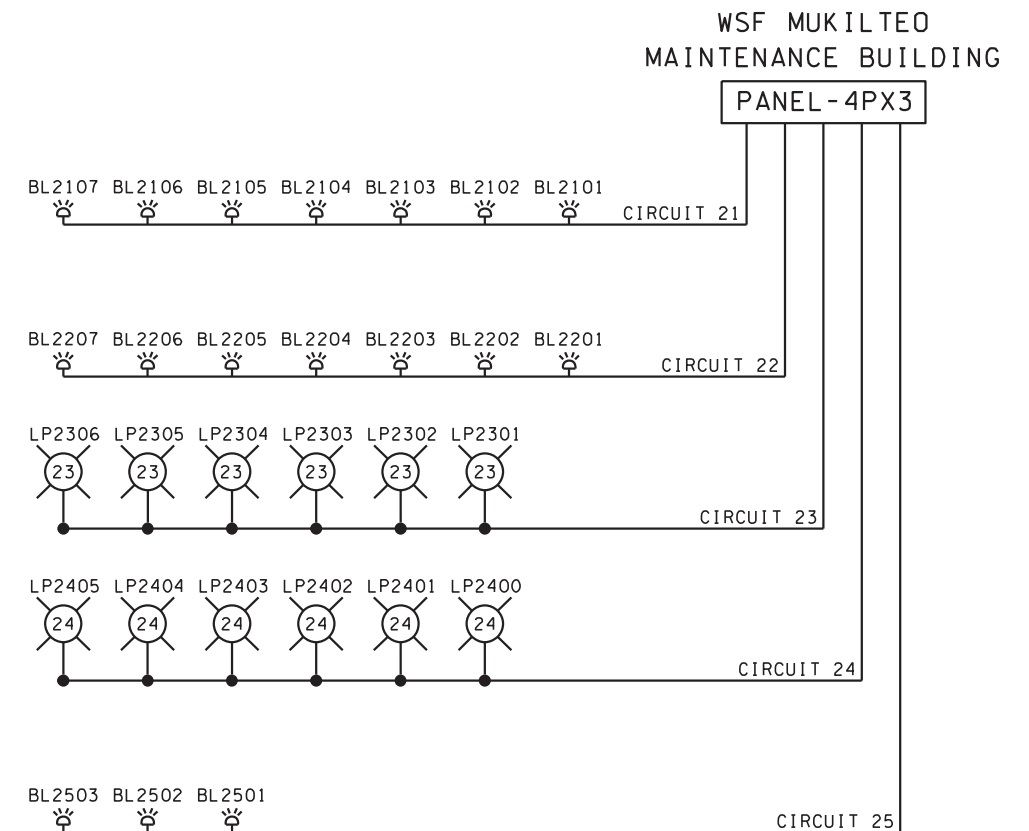
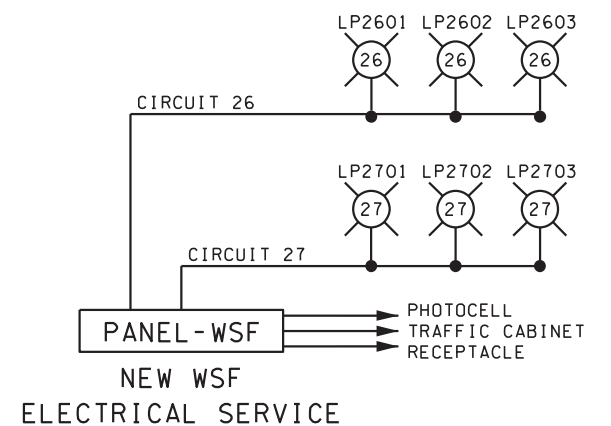
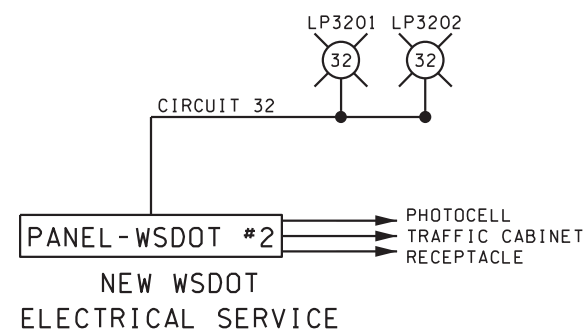
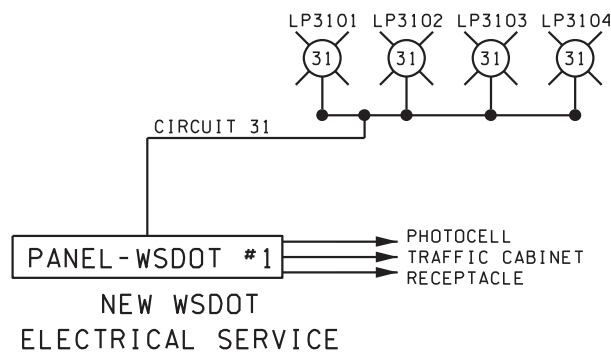


X X X X X X

10 SERIES: MUKILTEO  
20 SERIES: WSF  
30 SERIES: WSDOT

JB: JUNCTION BOX  
LP: LUMINAIRE POLE  
BL: BOLLARD LUMINAIRE

DEVICE ID KEY:



NOTES:

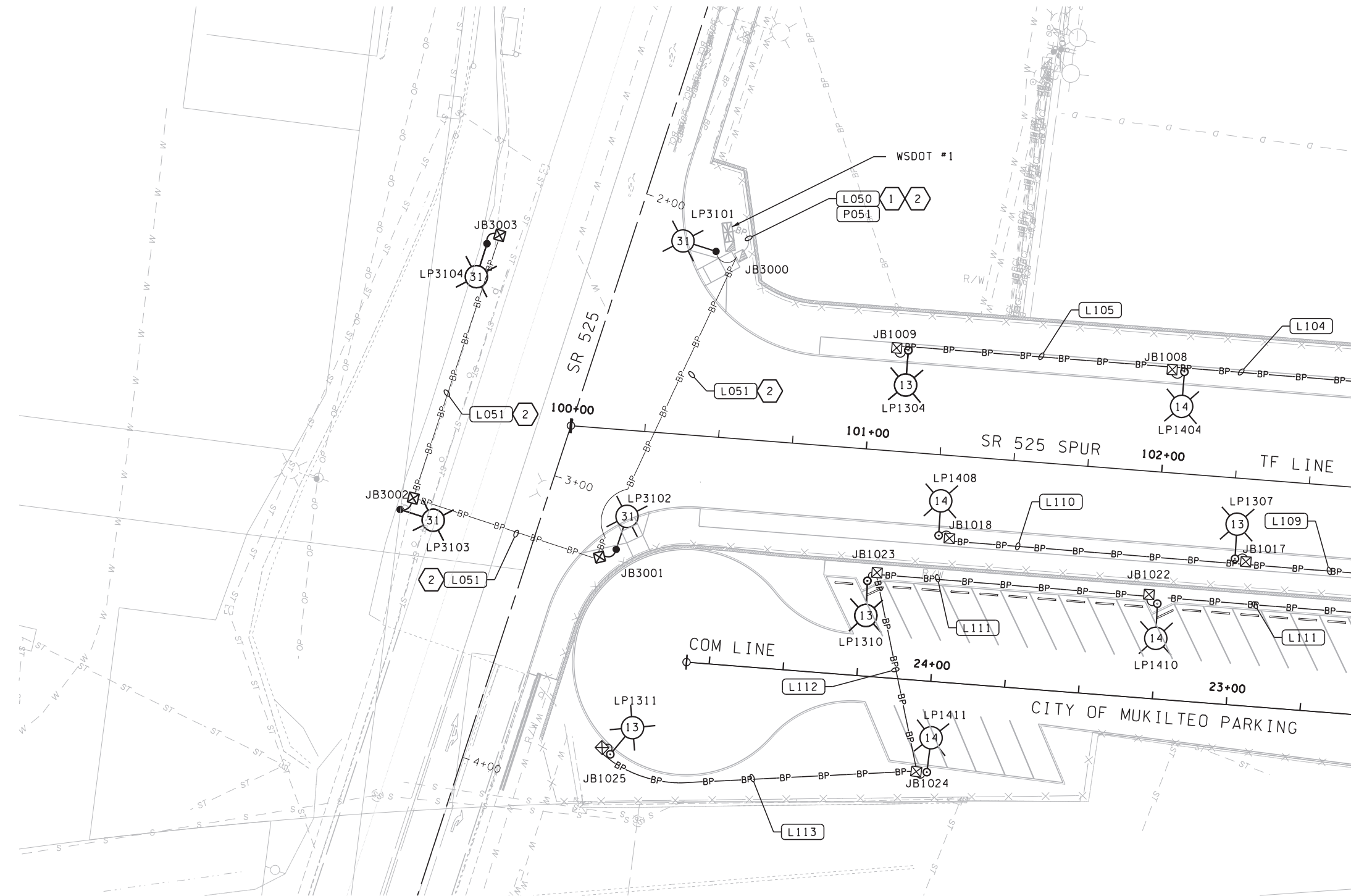
1. THE LIGHTING CIRCUIT NUMBER INDICATED IS NOT THE BRANCH CIRCUIT NUMBER IN THE RESPECTIVE PANEL.

FILE NAME: WSF\Mukilteo\14W121_FerryTermConst\CADD\JACOBS\14w121es08_00.dwg					
PRINTED: 12:59:00 PM 12/15/2017	LAST PRINTED BY: slaterj				FED.AID PROJ.NO.
SUBMITTAL DATE: 12/22/17					WA-2017-007-00
DESIGNED BY: J. SLATER	12/15/2017				REGION NO. STATE
ENTERED BY: J. SLATER	12/15/2017				10 WASH
CHECKED BY: M. BAGINSKI	12/15/2017				JOB NUMBER
MAR PROJ ENGR: C. TORRES					18W121
DIR TERM ENGR: N. MCINTOSH					CONTRACT NO.
ASST SECRETARY: A. SCARTON		REVISION	DATE	BY	00*****



SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION  
SITE ILLUMINATION  
ONLINE DIAGRAM

ES08.00  
SHEET  
379  
OF  
1521  
SHEETS



NOTES:

1. ALL CONDUCTORS FROM JUNCTION BOX TO LIGHT SHALL BE 2#10, #10G IN 1" CONDUIT UNLESS NOTED OTHERWISE.
2. SEE SERIES ES10 FOR CONDUIT AND CABLE SCHEDULES.
3. FOR LUMINAIRE SCHEDULE AND WIRE NOTE SCHEDULES SEE SHEET ES07.00.
4. SEE SERIES C16 FOR SIGNAL POLE INFORMATION.
5. CONTRACTOR SHALL LOCATE EXISTING UTILITIES PRIOR TO EXCAVATING OR TRENCHING FOR NEW CONDUIT ROUTES.

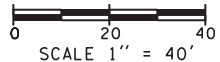
CONSTRUCTION NOTES:

- 1 LIGHTING AND POWER CONDUCTORS ARE ROUTED THROUGH THE SAME 2" CONDUIT.
- 2 PROVIDE A SEPARATE SPARE 2" CONDUIT.

MATCH TO ES08.11



KEY PLAN



FILE NAME: WSF\Mukilteo\14W121_FerryTermConst\CADD\JACOBS\14w121es08_10.dwg				
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SUBMITTAL DATE: 08/23/18				
DESIGNED BY: J. SLATER	8/23/2018			
ENTERED BY: J. SLATER	8/23/2018			
CHECKED BY: M. BAGINSKI	8/23/2018			
MAR PROJ ENGR: C. TORRES				
DIR TERM ENGR: N. MCINTOSH				
ASST SECRETARY: A. SCARTON				
	REVISION	DATE	BY	

FED.AID PROJ.NO.
WA-2017-007-00
REGION NO. STATE
10 WASH
JOB NUMBER
18W121
CONTRACT NO.
00****



8/23/2018

JACOBS



Washington State  
Department of Transportation  
WASHINGTON STATE FERRIES

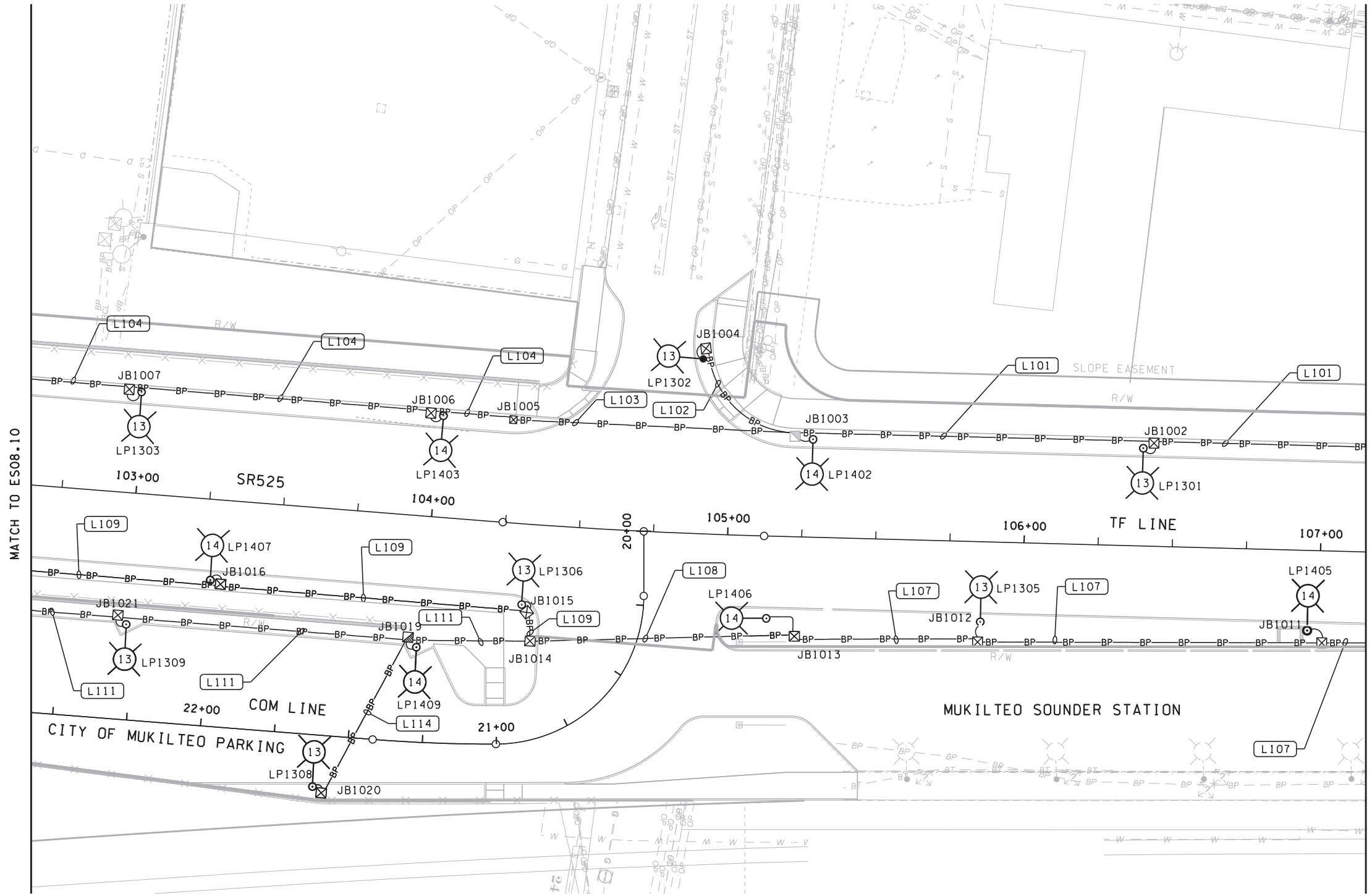
SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION

SITE ILLUMINATION PLAN

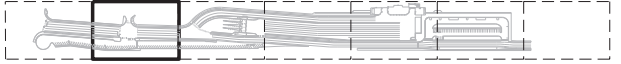
ES08.10

SHEET  
380  
OF  
1521  
SHEETS

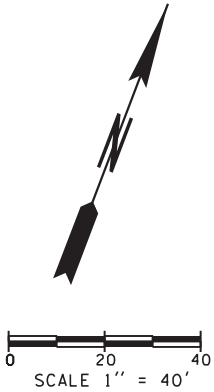






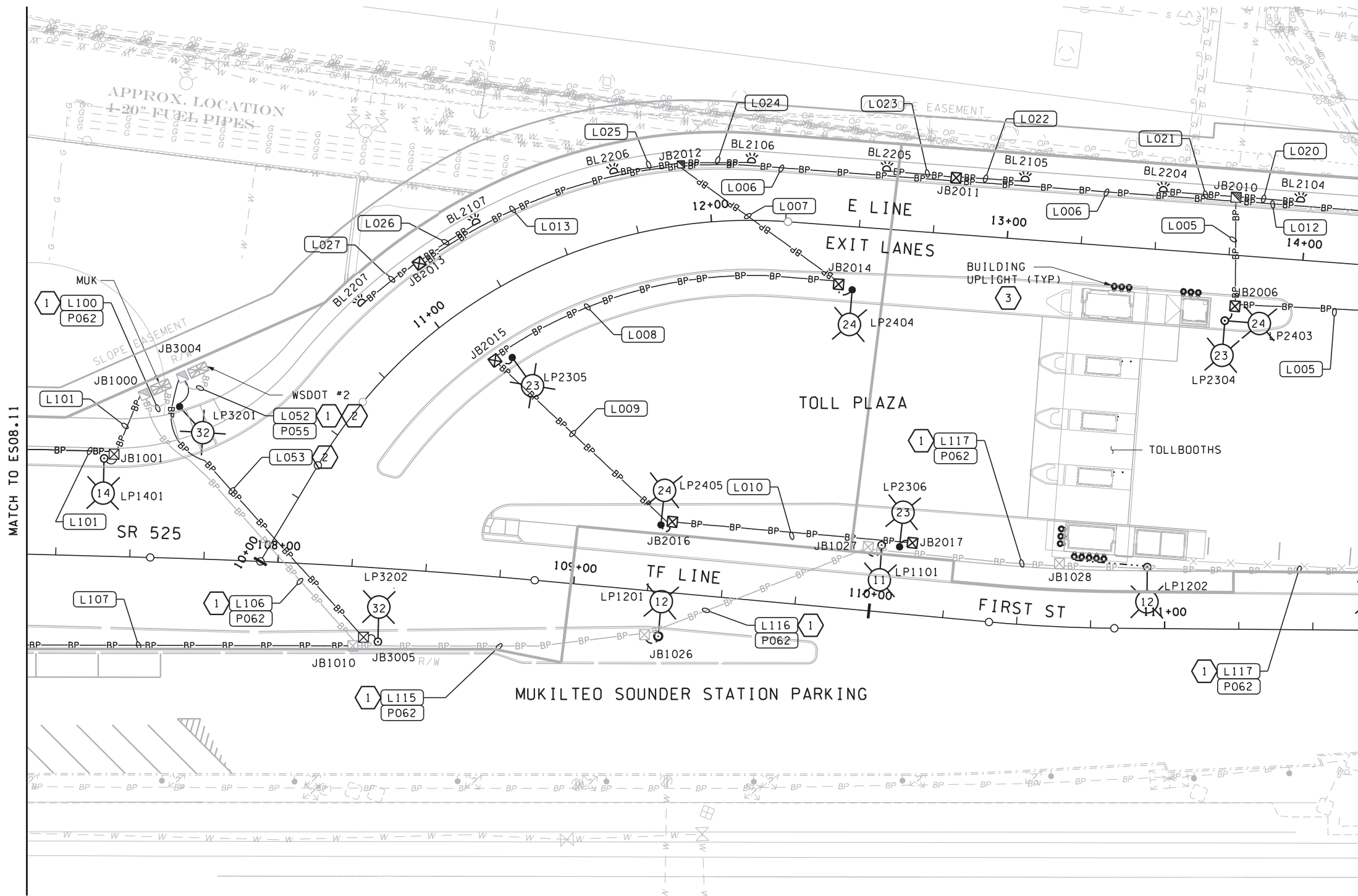
- NOTES:**
1. FOR LUMINAIRE SCHEDULE AND WIRE NOTE SCHEDULES SEE SHEET ES07.00.
  2. ALL CONDUCTORS FROM JUNCTION BOX TO LIGHT SHALL BE 2\*10, #10G IN 1" CONDUIT UNLESS NOTED OTHERWISE.
  3. SEE DRAWING SERIES ES02 FOR CONDUIT RUNS CONTAINING POWER CIRCUITS.
  4. SEE DRAWING ES02.11 FOR UTILITY CONNECTION.
  5. FOR DEMOLITION SEE UTILITY DEMO PLANS.
  6. SEE SERIES ES10 FOR CONDUIT AND CABLE SCHEDULES.
  7. CONTRACTOR SHALL LOCATE EXISTING UTILITIES PRIOR TO EXCAVATING OR TRENCHING FOR NEW CONDUIT ROUTES.



KEY PLAN



FILE NAME: WSF\Mukilteo\14W121_FerryTermConst\CADD\JACOBS\14w121es08_11.dwg							Washington State Department of Transportation WASHINGTON STATE FERRIES	SR 525		ES08.11	
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SUBMITTAL DATE: 12/22/17		slaterj						FERRY TERMINAL CONSTRUCTION		381	
DESIGNED BY: J. SLATER		12/15/2017		WA-2017-007-00						OF	
ENTERED BY: J. SLATER		12/15/2017		REGION NO. STATE						1521	
CHECKED BY: M. BAGINSKI		12/15/2017		10 WASH							
MAR PROJ ENGR: C. TORRES				JOB NUMBER							
DIR TERM ENGR: N. MCINTOSH				18W121							
ASST SECRETARY: A. SCARTON				CONTRACT NO.							
		REVISION		DATE BY							



MATCH TO ES08.11

MATCH TO ES08.13

NOTES:

1. ALL CONDUCTORS FROM JUNCTION BOX TO LIGHT SHALL BE 2\*10, #10G IN 1" CONDUIT UNLESS NOTED OTHERWISE.
2. FOR ILLUMINATION DEMOLITION SEE UTILITY DEMOLITION PLANS.
3. BOLLARD LIGHTS WILL BE LOCATED AT THE BACK EDGE OF SIDEWALK IN THE PLANTER AREAS, SEE SPECIFICATIONS FOR FOUNDATION INFORMATION.
4. FOR LUMINAIRE SCHEDULE AND WIRE NOTE SCHEDULE SEE SHEET ES07.00.
5. SEE SERIES ES02 FOR CONDUIT RUNS CONTAINING POWER CIRCUITS.
6. SEE SERIES ES10 FOR CONDUIT AND CABLE SCHEDULES.
7. CONTRACTOR SHALL LOCATE EXISTING UTILITIES PRIOR TO EXCAVATING OR TRENCHING FOR NEW CONDUIT ROUTES.

CONSTRUCTION NOTES:

- 1 LIGHTING AND POWER CONDUCTORS ARE ROUTED THROUGH THE SAME 2" CONDUIT.
- 2 PROVIDE A SEPARATE SPARE 2" CONDUIT.
- 3 CONTRACTOR TO FURNISH AND INSTALL IN-GRADE BUILDING UPLIGHTS PER SHEET EB08.51. COORDINATE LOCATION WITH OTHER UTILITIES

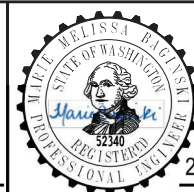


KEY PLAN

0 20 40  
SCALE 1" = 40'



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DESIGNED BY: J. SLATER	12/15/2017			REGION NO. STATE
ENTERED BY: J. SLATER	12/15/2017			10 WASH
CHECKED BY: M. BAGINSKI	12/15/2017			JOB NUMBER
MAR PROJ ENGR: C. TORRES				18W121
DIR TERM ENGR: N. MCINTOSH				CONTRACT NO.
ASST SECRETARY: A. SCARTON				00*****
REVISION	DATE	BY		

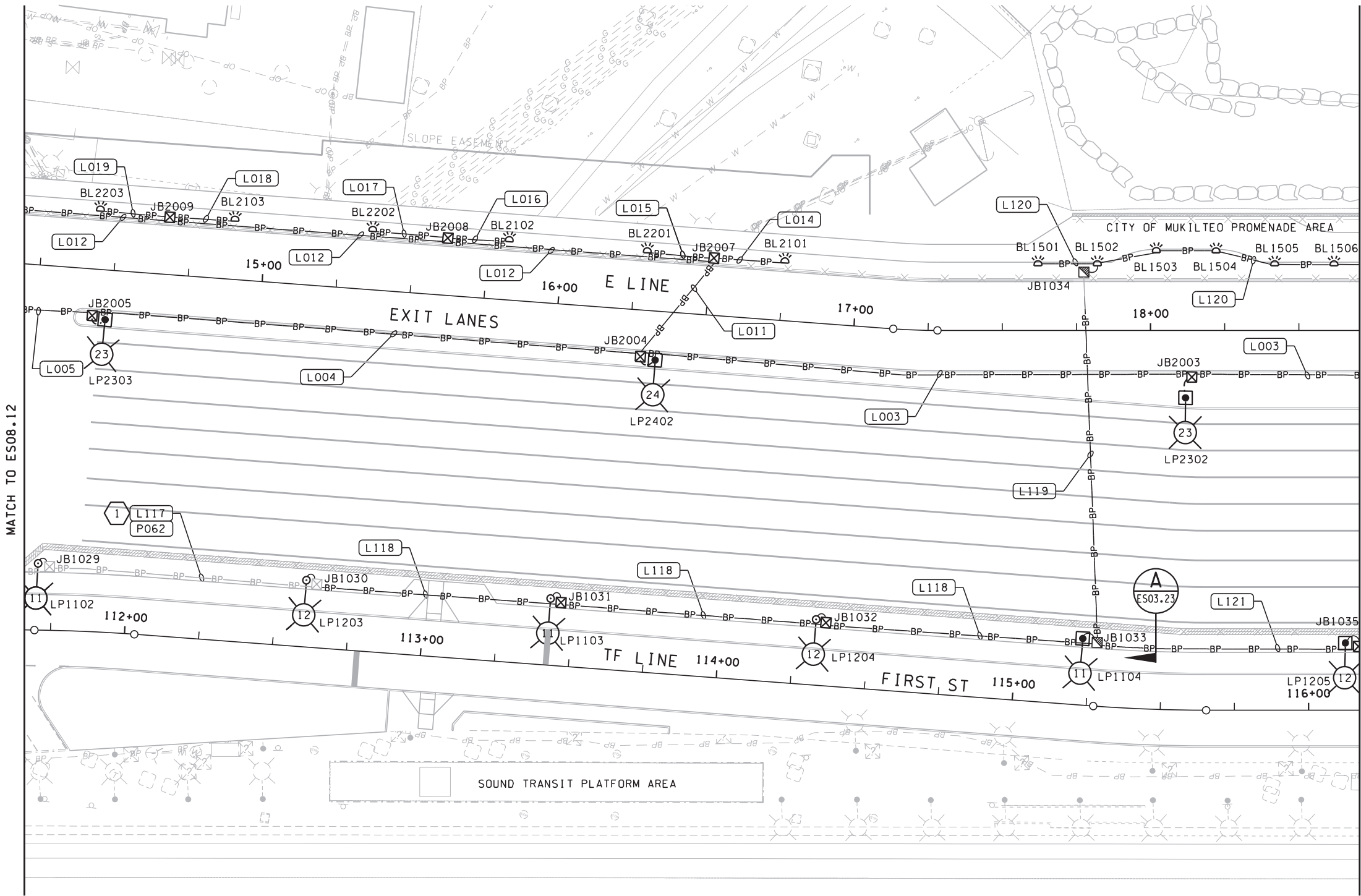


2/22/2018



SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION  
SITE ILLUMINATION PLAN

ES08.12  
SHEET  
382  
OF  
1521  
SHEETS



NOTES:

1. FOR ILLUMINATION DEMOLITION SEE UTILITY DEMOLITION PLANS.
2. ALL CONDUCTORS FROM JUNCTION BOX TO LIGHT SHALL BE 2#10, #10G IN 1" CONDUIT UNLESS NOTED OTHERWISE.
3. BOLLARD LIGHTS WILL BE LOCATED AT THE BACK EDGE OF SIDEWALK IN THE PLANTER AREAS, SEE SHEET C13.41 FOR FOUNDATION DETAILS.
4. FOR LUMINAIRE SCHEDULE AND WIRE NOTE SCHEDULES SEE SHEET ES07.00.
5. SEE SERIES ES02 FOR CONDUIT RUNS CONTAINING POWER CIRCUITS.
6. SEE SERIES ES10 FOR CONDUIT AND CABLE SCHEDULES.
7. CONTRACTOR SHALL LOCATE EXISTING UTILITIES PRIOR TO EXCAVATING OR TRENCHING FOR NEW CONDUIT ROUTES.

CONSTRUCTION NOTES

- 1 LIGHTING AND POWER CONDUCTORS ARE ROUTED THROUGH THE SAME 2" CONDUIT.



KEY PLAN



JACOBS



Washington State  
Department of Transportation  
WASHINGTON STATE FERRIES

SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION  
SITE ILLUMINATION PLAN

ES08.13

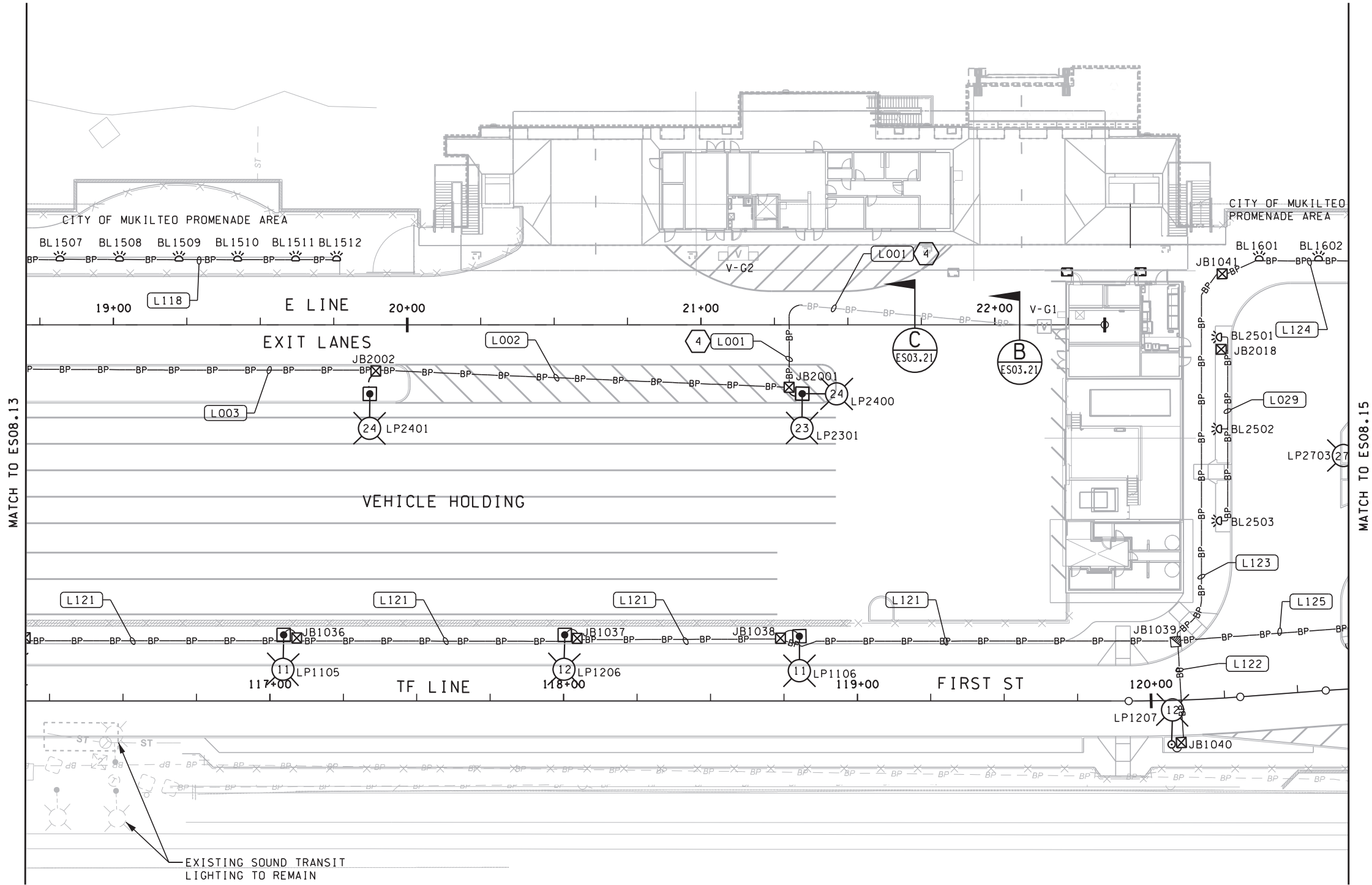
SHEET  
383  
OF  
1521  
SHEETS

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DESIGNED BY: J. SLATER					10 WASH		
ENTERED BY: J. SLATER					JOB NUMBER		
CHECKED BY: M. BAGINSKI					18W121		
MAR PROJ ENGR: C. TORRES					CONTRACT NO.		
DIR TERM ENGR: N. MCINTOSH					00****		
ASST SECRETARY: A. SCARTON					REVISION	DATE	BY



2/22/2018





MATCH TO ES08.13

MATCH TO ES08.15

NOTES:

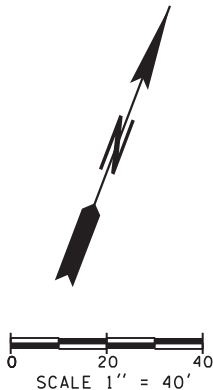
1. FOR ILLUMINATION DEMOLITION SEE UTILITY DEMOLITION PLANS.
2. FOR LUMINAIRE SCHEDULE SEE DRAWING ES07.00
3. ALL CONDUCTORS FROM JUNCTION BOX TO LIGHT SHALL BE 2#10, #10G IN 1" CONDUIT UNLESS NOTED OTHERWISE.
4. PROMENADE LIGHTING DESIGN TO BE INCLUDED IN FUTURE CONTRACT.
5. BOLLARDS LIGHTS WILL BE LOCATED TO THE EDGE OF SIDEWALK IN THE PLANTER AREAS, SEE SHEET C13.41 FOR FOUNDATION DETAILS.
6. SEE SERIES ES10 FOR CONDUIT AND CABLE SCHEDULES.
7. SEE SERIES ES02 FOR CONDUIT THAT CONTAINS POWER CIRCUITS.
8. FOR LUMINAIRE SCHEDULE AND WIRE NOTE SCHEDULES SEE SHEET ES07.00.
9. CONTRACTOR SHALL LOCATE EXISTING UTILITIES PRIOR TO EXCAVATING OR TRENCHING FOR NEW CONDUIT ROUTES.
10. SEE BUILDINGS SHEETS FOR CONDUIT CONTINUATION INTO BUILDINGS.

CONSTRUCTION NOTES

- 4 CONDUIT L001 TO BE CONCRETE ENCASED. BRANCH OFF OF MAIN DUCTBANK.



KEY PLAN



FILE NAME: WSF\Mukilteo\14W121_FerryTermConst\CADD\JACOBS\14w121es08_14.dwg				
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SUBMITTAL DATE: 12/22/17				REGION NO. STATE 10 WASH
DESIGNED BY: J. SLATER	12/15/2017			JOB NUMBER 18W121
ENTERED BY: J. SLATER	12/15/2017			CONTRACT NO. 00****
CHECKED BY: M. BAGINSKI	12/15/2017			
MAR PROJ ENGR: C. TORRES				
DIR TERM ENGR: N. MCINTOSH				
ASST SECRETARY: A. SCARTON		REVISION	DATE	BY



2/22/2018



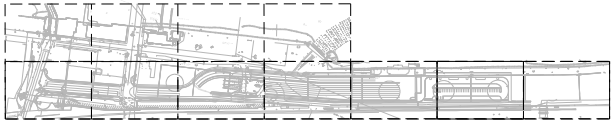
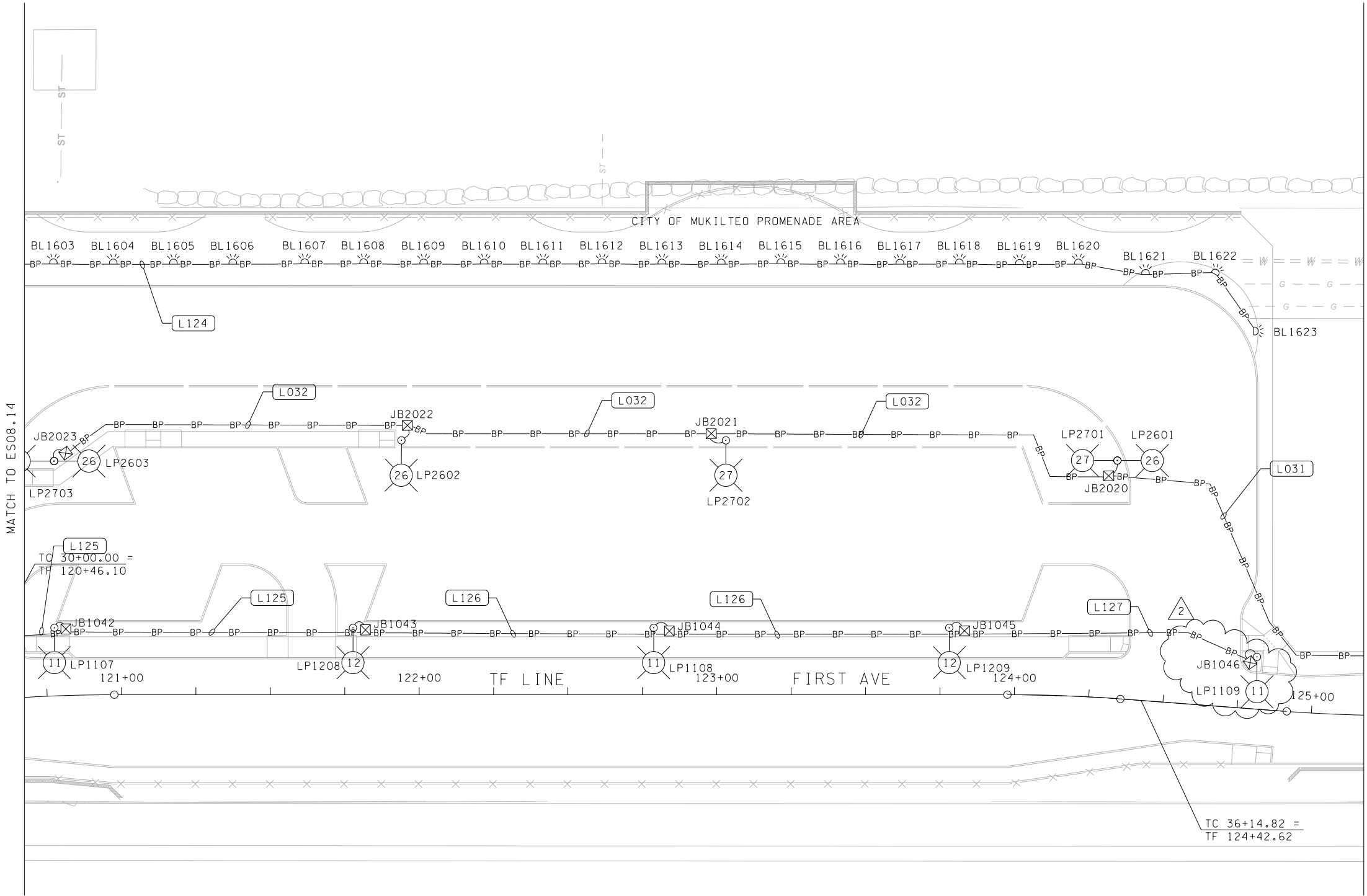
SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION  
SITE ILLUMINATION PLAN

ES08.14  
SHEET  
384  
OF  
1521  
SHEETS

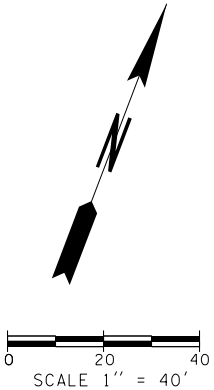


NOTES:

1. ALL CONDUCTOR TO LIGHT FROM JUNCTION BOX SHALL BE 2#10, #10G IN 1" CONDUIT UNLESS NOTED OTHERWISE.
2. BOLLARDS LIGHTS WILL BE LOCATED TO THE EDGE OF SIDEWALK IN THE PLANTER AREAS, SEE SPECIFICATIONS FOR FOUNDATION INFORMATION.
3. SEE SERIES ES10 FOR CONDUIT AND CABLE SCHEDULES.
4. FOR LUMINAIRE SCHEDULES AND WIRE NOTE SCHEDULE SEE SHEET ES07.00.
5. CONTRACTOR SHALL LOCATE EXISTING UTILITIES PRIOR TO EXCAVATING OR TRENCHING FOR NEW CONDUIT ROUTES.
6. SEE SHEET C13.41 FOR BOLLARD FOUNDATION DETAILS.



KEY PLAN



FILE NAME: WSF\Mukilteo\14W121_FerryTermConst\CADD\JACOBS\ 14w121es08_15.dwg					
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SUBMITTAL DATE: 12/22/17					WA-2017-007-00
DESIGNED BY: J. SLATER	10/26/18				REGION NO. STATE
ENTERED BY: J. SLATER	10/26/18				10 WASH
CHECKED BY: M. BAGINSKI	10/26/18				JOB NUMBER
MAR PROJ ENGR: C. TORRES					18W121
DIR TERM ENGR: N. MCINTOSH		ADDENDUM NO. 2	11/01/18	MMB	CONTRACT NO.
ASST SECRETARY: A. SCARTON		REVISION	DATE	BY	00*****



10/26/18

JACOBS



Washington State  
Department of Transportation  
WASHINGTON STATE FERRIES

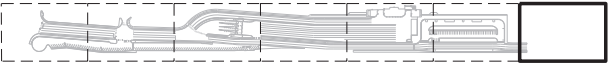
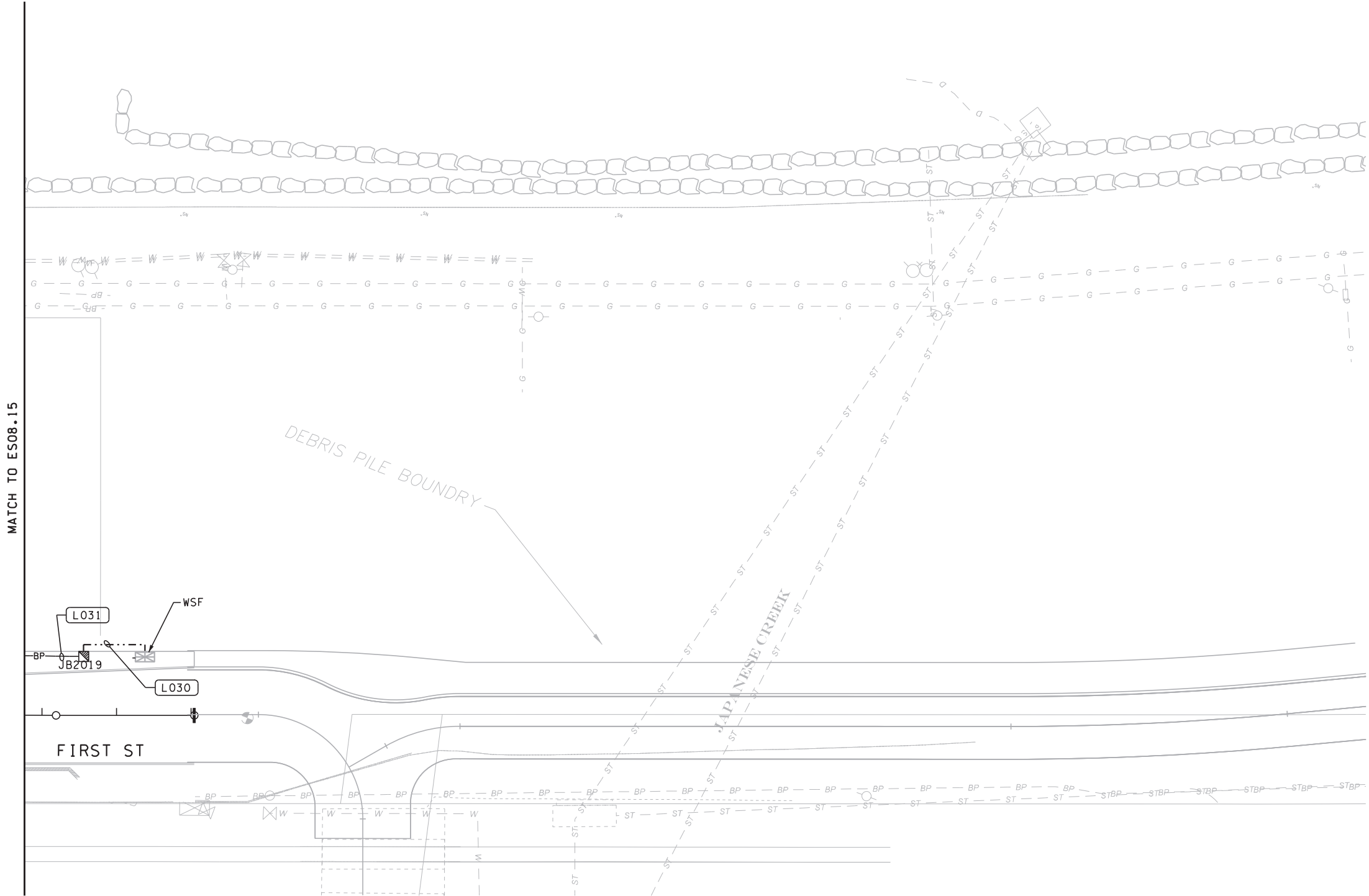
SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION

SITE ILLUMINATION PLAN

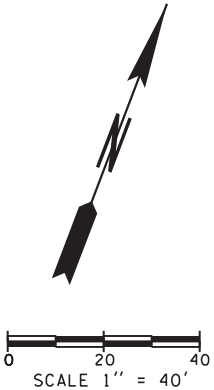
ES08.15

SHEET  
385  
OF  
1521  
SHEETS

- NOTES:**
1. FOR PROMENADE LIGHTING DETAILS SEE SHEET EAXX.XX.
  2. BOLLARDS LIGHTS WILL BE LOCATED AT THE EDGE OF SIDEWALK IN THE PLANTER AREAS, SEE SPECIFICATIONS FOR FOUNDATION INFORMATION.
  3. SEE SERIES ES10 FOR CONDUIT AND CABLE SCHEDULES.
  4. SEE DRAWING ES02.16 FOR UTILITY CONNECTION.
  5. CONTRACTOR SHALL LOCATE EXISTING UTILITIES PRIOR TO EXCAVATING OR TRENCHING FOR NEW CONDUIT ROUTES.



KEY PLAN



FILE NAME: WSF\Mukilteo\14W121_FerryTermConst\CADD\JACOBS\14w121es08_16.dwg				
PRINTED: 12:42:06 PM 12/15/2017	LAST PRINTED BY: NespodzanyR			FED.AID PROJ.NO. WA-2017-007-00
SUBMITTAL DATE: 12/22/17				REGION NO. STATE 10 WASH
DESIGNED BY: J. SLATER	12/15/2017			JOB NUMBER 18W121
ENTERED BY: J. SLATER	12/15/2017			CONTRACT NO. 00*****
CHECKED BY: M. BAGINSKI	12/15/2017			
MAR PROJ ENGR: C. TORRES				
DIR TERM ENGR: N. MCINTOSH				
ASST SECRETARY: A. SCARTON		REVISION	DATE	BY



2/22/2018

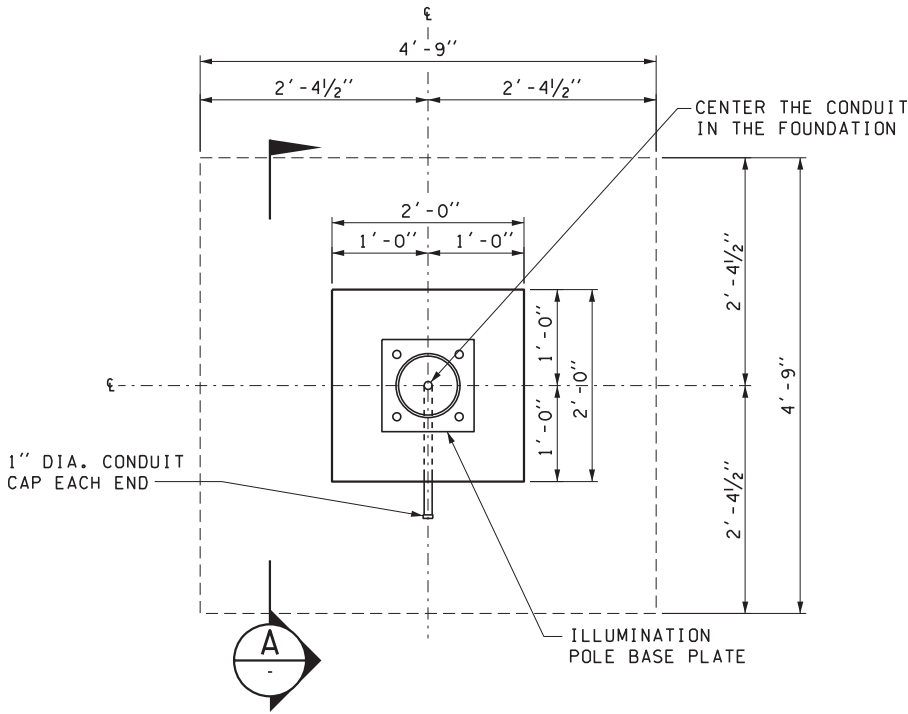


SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION  
SITE ILLUMINATION PLAN

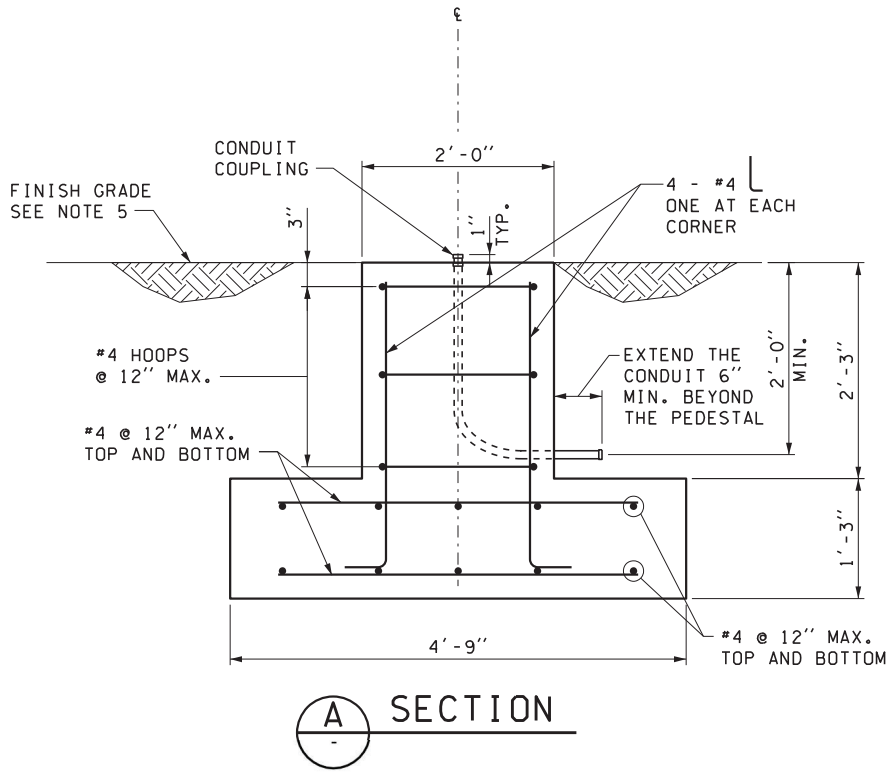
ES08.16  
SHEET 386 OF 1521 SHEETS

ILLUMINATION POLE FOUNDATION SCHEDULE

POLE ID	FOUNDATION TYPE	FOOTING DESIGN	EMBEDMENT DEPTH
LP1101	SHAFT	NOTE 1	NOTE 2
LP1102	SHAFT	NOTE 1	NOTE 2
LP1103	SHAFT	NOTE 1	NOTE 2
LP1104	FOOTING	SEE DETAILS	N/A
LP1105	FOOTING	SEE DETAILS	N/A
LP1106	FOOTING	SEE DETAILS	N/A
LP1107	SHAFT	NOTE 1	NOTE 2
LP1108	SHAFT	NOTE 1	NOTE 2
LP1109	SHAFT	NOTE 1	NOTE 2
LP1201	SHAFT	NOTE 1	NOTE 2
LP1202	SHAFT	NOTE 1	NOTE 2
LP1203	SHAFT	NOTE 1	NOTE 2
LP1204	SHAFT	NOTE 1	NOTE 2
LP1205	FOOTING	SEE DETAILS	N/A
LP1206	FOOTING	SEE DETAILS	N/A
LP1207	SHAFT	NOTE 1	NOTE 2
LP1208	SHAFT	NOTE 1	NOTE 2
LP1209	SHAFT	NOTE 1	NOTE 2
LP1301	SHAFT	NOTE 1	9'-0" (MIN.)
LP1302	SHAFT	NOTE 1	NOTE 2
LP1303	SHAFT	NOTE 1	NOTE 2
LP1304	SHAFT	NOTE 1	NOTE 2
LP1305	SHAFT	NOTE 1	NOTE 2
LP1306	SHAFT	NOTE 1	NOTE 2
LP1307	SHAFT	NOTE 1	14'-0" (MIN.)
LP1308	SHAFT	NOTE 1	NOTE 2
LP1309	SHAFT	NOTE 1	13'-0" (MIN.)
LP1310	SHAFT	NOTE 1	13'-0" (MIN.)
LP1311	SHAFT	NOTE 1	15'-0" (MIN.)
LP1401	SHAFT	NOTE 1	9'-0" (MIN.)
LP1402	SHAFT	NOTE 1	NOTE 2
LP1403	SHAFT	NOTE 1	NOTE 2
LP1404	SHAFT	NOTE 1	NOTE 2
LP1405	SHAFT	NOTE 1	NOTE 2
LP1406	SHAFT	NOTE 1	NOTE 2
LP1407	SHAFT	NOTE 1	NOTE 2
LP1408	SHAFT	NOTE 1	NOTE 2
LP1409	SHAFT	NOTE 1	NOTE 2
LP1410	SHAFT	NOTE 1	NOTE 2
LP1411	SHAFT	NOTE 1	15'-0" (MIN.)
LP2301/LP2400	FOOTING	SEE DETAILS	N/A
LP2302	FOOTING	SEE DETAILS	N/A
LP2303	FOOTING	SEE DETAILS	N/A
LP2304/LP2403	SHAFT	NOTE 1	NOTE 2
LP2305	SHAFT	NOTE 1	NOTE 2
LP2306	SHAFT	NOTE 1	NOTE 2
LP2401	FOOTING	SEE DETAILS	N/A
LP2402	FOOTING	SEE DETAILS	N/A
LP2404	SHAFT	NOTE 1	NOTE 2
LP2405	SHAFT	NOTE 1	NOTE 2
LP2601/LP2701	SHAFT	NOTE 1	NOTE 2
LP2602	SHAFT	NOTE 1	NOTE 2
LP2603/LP2703	SHAFT	NOTE 1	NOTE 2
LP2702	SHAFT	NOTE 1	NOTE 2
LP3101	SHAFT	NOTE 1	NOTE 2
LP3102	SHAFT	NOTE 1	NOTE 2
LP3103	SHAFT	NOTE 1	NOTE 2
LP3104	SHAFT	NOTE 1	NOTE 2
LP3201	SHAFT	NOTE 1	NOTE 2
LP3202	SHAFT	NOTE 1	NOTE 2



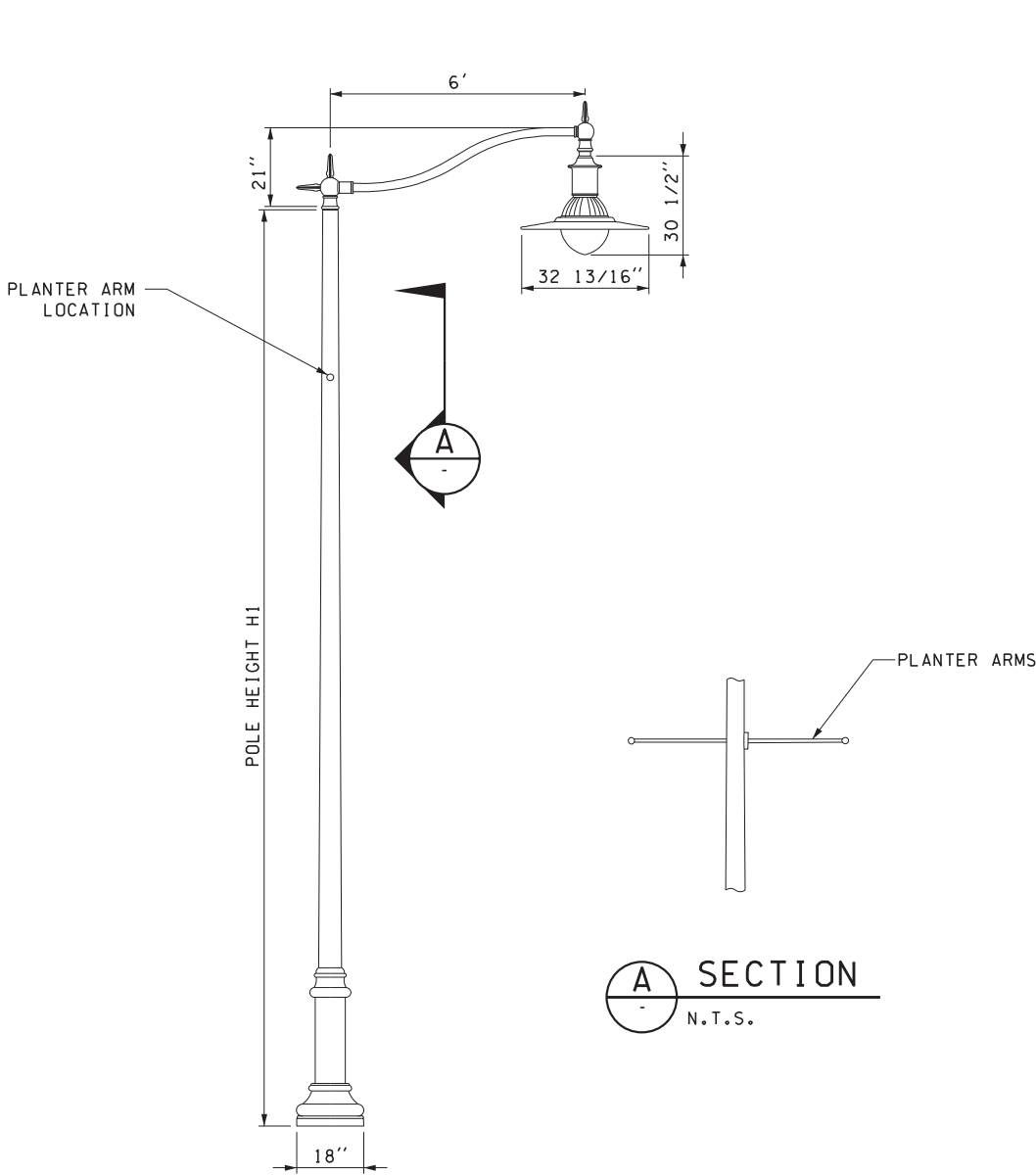
LIGHT POLE FOUNDATION - PLAN



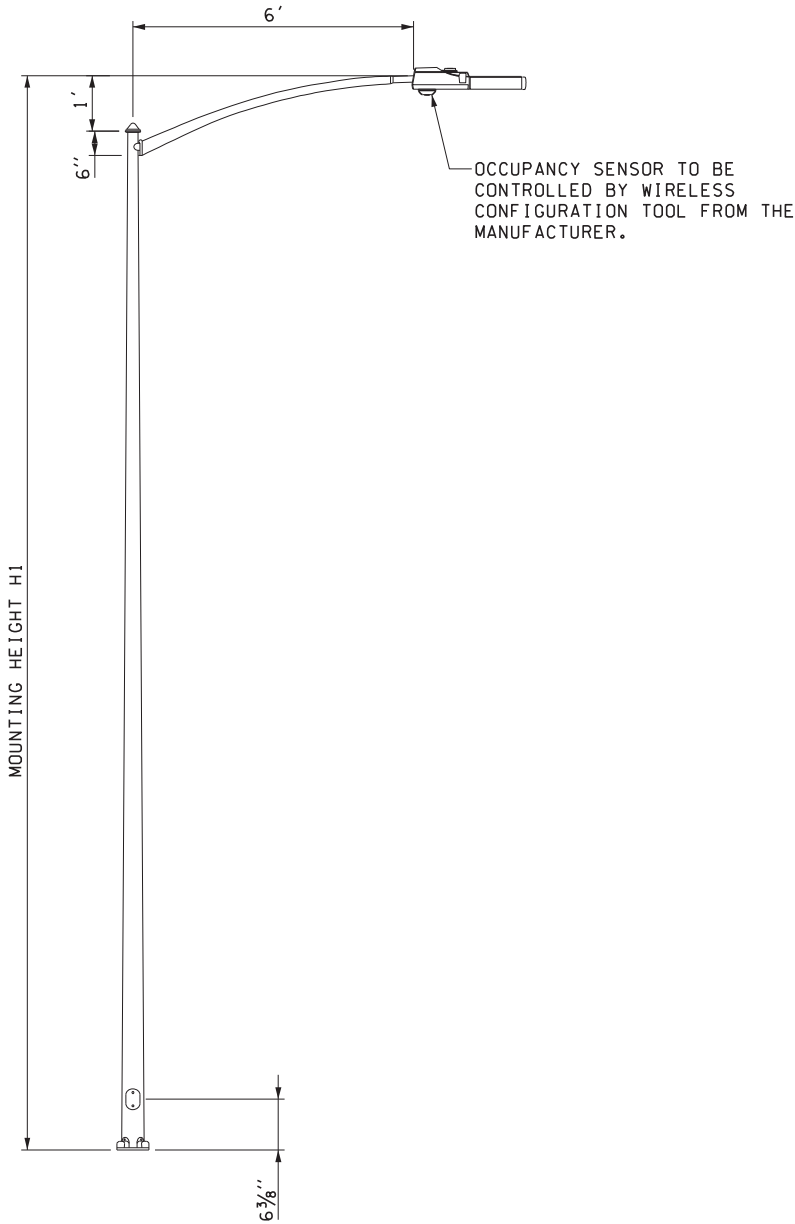
- NOTES:
1. SEE WSDOT STD PLAN J-27.10-00 FOR SHAFT FOUNDATION DETAILS.
  2. SEE WSDOT STD PLAN J-27.10-00 ALTERNATIVE #1 DRILLED SHAFT TYPE AND LENGTH.
  3. CLEAR COVER DISTANCE FROM FACE OF CONCRETE TO FACE OF REINFORCING STEEL SHALL BE 3".
  4. POLES SHALL BE GROUNDED PER STANDARD PLAN J-28.30-03.
  5. ALL LOOSE SOIL SHALL BE REMOVED DURING EXCAVATION FOR FOUNDATION CONSTRUCTION. FOUNDATION SHALL BE PLACED ON COMPACTED NATIVE SOIL OR COMPACTED STRUCTURAL FILL.

NOTES:

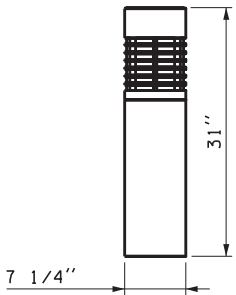
1. ANCHOR BASE DETAIL AND BOLT LOCATIONS PER  
POLE MANUFACTURER SPECIFICATIONS.



MUKILTEO  
N.T.S.



WSF  
N.T.S.



BOLLARD  
N.T.S.

FILE NAME: WSF\Mukilteo\14W121_FerryTermConst\CADD\JACOBS\14w121es09_01.dwg					
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SUBMITTAL DATE: 12/22/17					WA-2017-007-00
DESIGNED BY: M. BAGINSKI	12/15/2017				REGION NO. STATE
ENTERED BY: J. SLATER	12/15/2017				10 WASH
CHECKED BY: S. EICHINGER	12/15/2017				JOB NUMBER
MAR PROJ ENGR: C. TORRES					18W121
DIR TERM ENGR: N. MCINTOSH					CONTRACT NO.
ASST SECRETARY: A. SCARTON		REVISION	DATE	BY	00*****



2/22/2018

JACOBS



Washington State  
Department of Transportation  
WASHINGTON STATE FERRIES

SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION  
ILLUMINATION POLE  
TYPES AND DETAILS

ES09.01  
SHEET  
388  
OF  
1521  
SHEETS





NOTES:

1. ALL CONDUIT ARE SCHEDULE 40 PVC AND NOT ENCASED IN CONCRETE UNLESS OTHERWISE NOTED.
2. THE CIRCUIT NUMBERS INDICATED IN THE NOTES COLUMN IS NOT THE BRANCH CIRCUIT NUMBER IN THE RESPECTIVE PANEL.

CONDUIT NO.	CONDUIT SIZE	CABLE SIZE	FROM	TO	VIA								NOTES
L001	2"	8*10, 1#10G	4PX3	JB2001	V-G1								WSF CKTS 21, 22, 23, 24 - CONCRETE ENCASED
L002	2"	8*10, 1#10G	JB2001	JB2002									WSF CKTS 21, 22, 23, 24 - SCH 80 PVC
L003	2"	8*10, 1#10G	JB2002	JB2004	JB2003								WSF CKTS 21, 22, 23, 24
L004	2"	4*10, 1#10G	JB2004	JB2005									WSF CKTS 23, 24
L005	2"	4*10, 1#10G	JB2005	JB2010	JB2006								WSF CKTS 23, 24 - SCH 80 PVC
L006	2"	8*10, 1#10G	JB2010	JB2012	JB2011								WSF CKTS 21, 22, 23, 24
L007	2"	4*10, 1#10G	JB2012	JB2014									WSF CKTS 23, 24 - SCH 80 PVC
L008	2"	4*10, 1#10G	JB2014	JB2015									WSF CKTS 23, 24
L009	2"	4*10, 1#10G	JB2015	JB2016									WSF CKTS 23, 24 - SCH 80 PVC
L010	2"	2*10, 1#10G	JB2016	JB2017									WSF CKTS 23
L011	2"	4*10, 1#10G	JB2004	JB2007									WSF CKTS 21, 22 - SCH 80 PVC
L012	2"	4*10, 1#10G	JB2007	JB2010	JB2008	JB2009							WSF CKTS 21, 22
L013	2"	4*10, 1#10G	JB2012	JB2013									WSF CKTS 21, 22
L014	2"	2*10, 1#10G	JB2007	BL2101									WSF CKT 21
L015	2"	2*10, 1#10G	JB2007	BL2201									WSF CKT 22
L016	2"	2*10, 1#10G	JB2008	BL2102									WSF CKT 21
L017	2"	2*10, 1#10G	JB2008	BL2202									WSF CKT 22
L018	2"	2*10, 1#10G	JB2009	BL2103									WSF CKT 21
L019	2"	2*10, 1#10G	JB2009	BL2203									WSF CKT 22
L020	2"	2*10, 1#10G	JB2010	BL2104									WSF CKT 21
L021	2"	2*10, 1#10G	JB2010	BL2204									WSF CKT 22
L022	2"	2*10, 1#10G	JB2011	BL2105									WSF CKT 21
L023	2"	2*10, 1#10G	JB2011	BL2205									WSF CKT 22
L024	2"	2*10, 1#10G	JB2012	BL2106									WSF CKT 21
L025	2"	2*10, 1#10G	JB2012	BL2206									WSF CKT 22
L026	2"	2*10, 1#10G	JB2013	BL2107									WSF CKT 21
L027	2"	2*10, 1#10G	JB2013	BL2207									WSF CKT 22
L028	2"	2*10, 1#10G	PANEL 4PX3	JB2018									WSF CKT 25
L029	2"	2*10, 1#10G	JB2018	BL2503	BL2501	BL2502							WSF CKT 25
L030	2"	4*10, 1#10G	WSF PANEL 'WSF'	JB2019									WSF CKTS 26, 27
L031	2"	4*10, 1#10G	JB2019	JB2020									WSF CKTS 26, 27 - SCH 80 PVC
L032	2"	4*10, 1#10G	JB2020	JB2023	JB2021	JB2022							WSF CKTS 26, 27

NOTES:

1. ALL CONDUIT ARE SCHEDULE 40 PVC AND NOT ENCASED IN CONCRETE UNLESS OTHERWISE NOTED.
2. THE CIRCUIT NUMBERS INDICATED IN THE NOTES COLUMN IS NOT THE BRANCH CIRCUIT NUMBER IN THE RESPECTIVE PANEL.

CONDUIT NO.	CONDUIT SIZE	CABLE SIZE	FROM	TO	VIA				NOTES
L050	(2) 2"	2#10, 1#10G	WSDOT PANEL 'WSDOT 1'	JB3000					WSDOT CKT 31 - (1)2" SPARE AND (1)2" ACTIVE CONDUIT. POWER AND LIGHTING CIRCUITS IN SAME CONDUIT.
L051	(2) 2"	2#10, 1#10G	JB3000	JB3003	JB3001	JB3002			WSDOT CKT 31 - SCH 80 PVC (1)2" SPARE AND (1)2" ACTIVE CONDUIT.
L052	(2) 2"	2#10, 1#10G	WSDOT PANEL 'WSDOT 1'	JB3004					WSDOT CKT 32 - (1)2" SPARE AND (1)2" ACTIVE CONDUIT. POWER AND LIGHTING CIRCUITS IN SAME CONDUIT.
L053	(2) 2"	2#10, 1#10G	JB3004	JB3005					WSDOT CKT 32 - SCH 80 PVC (1)2" SPARE AND (1)2" ACTIVE CONDUIT.
L100	2"	10#10, 2#6, 1#6G	CITY OF MUKILTEO PANEL 'MUK'	JB1000					MUK CKTS 11-16 - POWER AND LIGHTING CIRCUITS IN SAME CONDUIT.
L101	2"	4#10, 1#10G	JB1000	JB1003	JB1002	JB1001			MUK CKTS 13,14
L102	2"	2#10, 1#10G	JB1003	JB1004					MUK CKTS 13
L103	2"	4#10, 1#10G	JB1003	JB1005					MUK CKTS 13, 14 - SCH 80 PVC
L104	2"	4#10, 1#10G	JB1005	JB1008	JB1006	JB1007			MUK CKTS 13,14
L105	2"	2#10, 1#10G	JB1008	JB1009					MUK CKTS 13
L106	2"	10#10, 2#6, 1#6G	JB1000	JB1010					MUK CKTS 11-16 - SCH 80 - PVC POWER AND LIGHTING CIRCUITS IN SAME CONDUIT.
L107	2"	4#10, 1#10G	JB1010	JB1013	JB1011	JB1012			MUK CKTS 13,14
L108	2"	4#10, 1#10G	JB1013	JB1014					MUK CKTS 13, 14 - SCH 80 PVC
L109	2"	4#10, 1#10G	JB1014	JB1017	JB1015	JB1016			MUK CKTS 13, 14
L110	2"	2#10, 1#10G	JB1017	JB1018					MUK CKT 14
L111	2"	4#10, 1#10G	JB1014	JB1023	JB1019	JB1021	JB1022		MUK CKTS 13, 14
L112	2"	4#10, 1#10G	JB1023	JB1024					MUK CKTS 13, 14 - SCH 80 PVC
L113	2"	2#10, 1#10G	JB1024	JB1025					MUK CKTS 13
L114	2"	2#10, 1#10G	JB1019	JB1020					MUK CKTS 13 - SCH 80 PVC
L115	2"	6#10, 2#6, 1#6G	JB1010	JB1026					MUK CKTS 11, 12, 15, 16 - POWER AND LIGHTING CIRCUITS IN SAME CONDUIT.
L116	2"	6#10, 2#6, 1#6G	JB1026	JB1027					MUK CKT 11, 12, 15 ,16 - SCH 80 PVC - POWER AND LIGHTING CIRCUITS IN SAME CONDUIT.
L117	2"	6#10, 2#6, 1#6G	JB1027	JB1030	JB1028	JB1029			MUK CKTS 11, 12, 15, 16 - POWER AND LIGHTING CIRCUITS IN SAME CONDUIT.
L118	2"	6#10, 2#6, 1#6G	JB1030	JB1033	JB1031	JB1032			MUK CKT 11, 12, 15 ,16
L119	2"	2#10, 1#10G	JB1033	JB1034					MUK CKTS 15 - SCH 80 PVC
L120	2"	2#10, 1#10G	JB1034	BL15 SERIES					MUK CKTS 15
L121	2"	4#10, 2#6, 1#6G	JB1033	JB1039	JB1035	JB1036	JB1037	JB1038	MUK CKT 11, 12, 16
L122	2"	2#10, 1#10G	JB1039	JB1040					MUK CKTS 12 - SCH 80 PVC
L123	2"	2#6, 1#6G	JB1039	JB1041					MUK CKTS 16
L124	2"	2#10, 1#10G	JB1041	BL16 SERIES					MUK CKTS 16
L125	2"	4#10, 1#10G	JB1039	JB1043	JB1042				MUK CKTS 11, 12 - SCH 80 PVC
L126	2"	4#10, 1#10G	JB1043	JB1045	JB1044				MUK CKT 11, 12
L127	2"	2#10, 1#10G	JB1045	JB1046					MUK CKT 11 - SCH 80 PVC

RACEWAY NO.	COND.	COND. SIZE	CABLE SIZE	FROM	TO	VIA								NOTES
N400	A	(1) 2"	NA	V-C2	JB-N6									FOR FUTURE USE
	B	(1) 2"	NA	V-C2	JB-N6									FOR FUTURE USE
N401A	A	(1) 4"	(3) 12 SMFO	JB-N6	V-C6									
N401B	B	(1) 4"	SPARE	JB-N6	V-C6									
N402	A	(1) 4"	24 SMFO	MAINTENANCE RM	MAIN TERM. BLDG									
	B	(1) 4"	SPARE	MAINTENANCE RM	MAIN TERM. BLDG									
	C	(1) 4"	SPARE	MAINTENANCE RM	MAIN TERM. BLDG									
	D	(1) 4"	SPARE	MAINTENANCE RM	MAIN TERM. BLDG									
N403	A	(1) 2"	NA	FRONTIER	JB-N6									FOR FUTURE FRONTIER USE
	B	(1) 2"	NA	FRONTIER	JB-N6									FOR FUTURE FRONTIER USE
	C	(1) 4"	NA	FRONTIER	JB-N6									FOR FUTURE FRONTIER USE
	D	(1) 4"	NA	FRONTIER	JB-N6									FOR FUTURE FRONTIER USE
N404	A	(1) 4"	24 SMFO / (2) 14AWG SPEARKER WIRE	V-C6	IDF-13									
	B	(1) 4"	SPARE	V-C6	IDF-13									
N405	A	(1) 4"	(3) 12 SMFO	V-C6	V-C5									
	B	(1) 4"	SPARE	V-C6	V-C5									
N406	A	(1) 2"	(2) 14AWG SPEAKER WIRE	V-C6	JB-P14									
	B	(1) 2"	SPARE	V-C6	JB-P14									
N407	A	(1) 4"	24 SMFO / (2) 14AWG SPEAKER WIRE	V-C5	IDF-12									
	B	(1) 4"	SPARE	V-C5	IDF-12									
N408	A	(1) 4"	36 SMFO	V-C5	V-C4									
	B	(1) 4"	SPARE	V-C5	V-C4									
N409	A	(1) 2"	(2) 14AWG SPEAKER WIRE	V-C5	JB-P13									
	B	(1) 2"	SPARE	V-C5	JB-P13									
N410	A	(1) 4"	24 SMFO / (2) 14AWG SPEAKER WIRE	V-C4	IDF-11									
	B	(1) 4"	SPARE	V-C4	IDF-11									
N411	A	(1) 4"	36 SMFO	V-C4	TOLL BLDG									
	B	(1) 4"	SPARE	V-C4	TOLL BLDG									
N412	A	(1) 2"	(2) 14AWG SPEAKER WIRE	V-C4	JB-P12									
	B	(1) 2"	SPARE	V-C4	JB-P12									
N413	A	(1) 4"	36 SMFO	JB-N6	MAINTENANCE RM									
	B	(1) 4"	SPARE	JB-N6	MAINTENANCE RM									
	C	(1) 4"	SPARE	JB-N6	MAINTENANCE RM									
	D	(1) 4"	SPARE	JB-N6	MAINTENANCE RM									
	E	(1) 4"	SPARE	JB-N6	MAINTENANCE RM									
	F	(1) 4"	SPARE	JB-N6	MAINTENANCE RM									
N414	A	(1) 2"	24 SMFO	SIGNALIZATION CABINET	V-C14									
N415	A	(1) 4"	(1) RS232 SERIAL CABLE / (2) PROPRIETARY CABLES (SEE SPECIFICATIONS)	IDF-12	LP2402									
	B	(1) 2"	(3) 14AWG	IDF-12	LP2402									
N416	A	(1) 1"	-	MAGN. FLOW METER VAULT	REMOTE FLOW METER CABINET									
N417	A	(1) 2"	24 SMFO	V-C13	V-C14									
N418	A	(1) 1"	-	REMOTE FLOW METER CABINET	JB-N6									

RACEWAY NO.	COND.	COND. SIZE	CABLE SIZE	FROM	TO	VIA								NOTES
N420	A	(1) 2"	(2) 14AWG SPEAKER WIRE	JB-P21	JB-P11	JB-P20	THRU	JB-P10						
N441	A	(1) 4"	(24) CAT 6	TOLL BLDG	V-C11									
	B	(1) 4"	(24) CAT 6	TOLL BLDG	V-C11									
	C	(1) 4"	(2) 12 SMFO	TOLL BLDG	V-C11									
	D	(1) 4"	SPARE	TOLL BLDG	V-C11									
	E	(1) 4"	SECURITY	TOLL BLDG	V-C11									
N442	A	(1) 4"	(18) CAT 6	V-C11	V-C12									
	B	(1) 4"	(18) CAT 6	V-C11	V-C12									
	C	(1) 4"	(2) 12 SMFO	V-C11	V-C12									
	D	(1) 4"	SECURITY	V-C11	V-C12									
N443	A	(1) 4"	(24) CAT 6	V-C12	V-C13									
	B	(1) 4"	(2) 12 SMFO	V-C12	V-C13									
	C	(1) 4"	SPARE	V-C12	V-C13									
	D	(1) 4"	SECURITY	V-C12	V-C13									
N451	A	(1) 2"	(12) CAT 6	V-C11	TOLL BOOTH 1									
	B	(1) 2"	SPARE	V-C11	TOLL BOOTH 1									
	C	(1) 2"	SPARE	V-C11	TOLL BOOTH 1									
	D	(1) 2"	SPARE	V-C11	TOLL BOOTH 1									
	E	(1) 2"	SECURITY	V-C11	TOLL BOOTH 1									
N452	A	(1) 2"	(12) CAT 6	V-C12	TOLL BOOTH 2									
	B	(1) 2"	SPARE	V-C12	TOLL BOOTH 2									
	C	(1) 2"	SPARE	V-C12	TOLL BOOTH 2									
	D	(1) 2"	SPARE	V-C12	TOLL BOOTH 2									
	E	(1) 2"	SECURITY	V-C12	TOLL BOOTH 2									
N453	A	(1) 2"	(12) CAT 6	V-C13	TOLL BOOTH 3									
	B	(1) 2"	SPARE	V-C13	TOLL BOOTH 3									
	C	(1) 2"	SPARE	V-C13	TOLL BOOTH 3									
	D	(1) 2"	SPARE	V-C13	TOLL BOOTH 3									
	E	(1) 2"	SECURITY	V-C13	TOLL BOOTH 3									
N454	A	(1) 2"	(12) CAT 6	V-C13	TOLL BOOTH 4									
	B	(1) 2"	SPARE	V-C13	TOLL BOOTH 4									
	C	(1) 2"	SECURITY	V-C13	TOLL BOOTH 4									



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REVISION				DATE	BY				



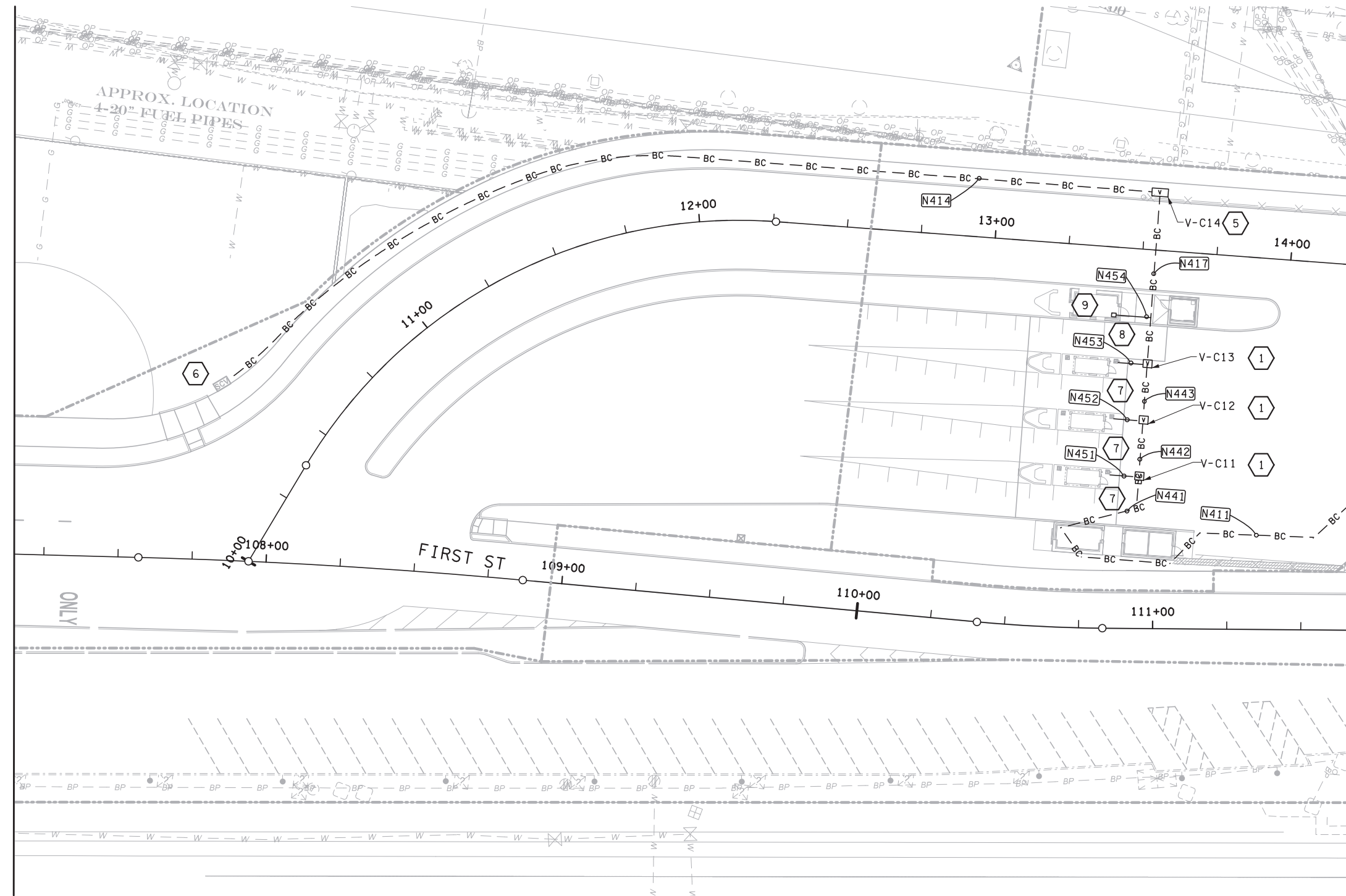
SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION

SITE COMMUNICATIONS  
CONDUIT AND CABLE SCHEDULE

ES10.30

SHEET  
392  
OF  
1521  
SHEETS





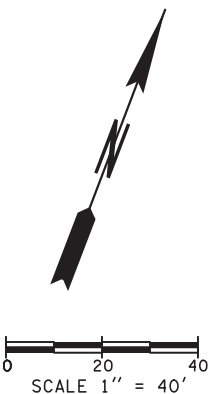
CONSTRUCTION NOTES:

- 1 PROVIDE PULL BOX PER STANDARD PLAN J-90.10-02.
- 2 SEE SHEET ES03.36 FOR BARRIER WALL AND CONDUIT DETAILS. SEE SHEET ES03.37 FOR COMMUNICATION POLE DETAILS.
- 3 SEE SHEET ES03.34 FOR CABINET FOUNDATION DETAILS.
- 4 NOT USED
- 5 PROVIDE PULL BOX PER STANDARD PLAN J-90.21-01.
- 6 SEE SIGNALIZATION DRAWING C16.12 FOR CONTINUATION OF CONDUIT TO SIGNAL/ITS CABINET.
- 7 SEE TOLL BOOTH DRAWING EX02.01.
- 8 PROVIDE JUNCTION BOX SHOWN PER EX02.01.
- 9 PROVIDE OUTDOOR DISPLAY JUNCTION BOX SHOWN PER EX02.01.

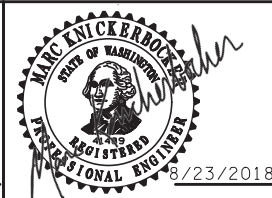
MATCH TO ES12.13



KEY PLAN



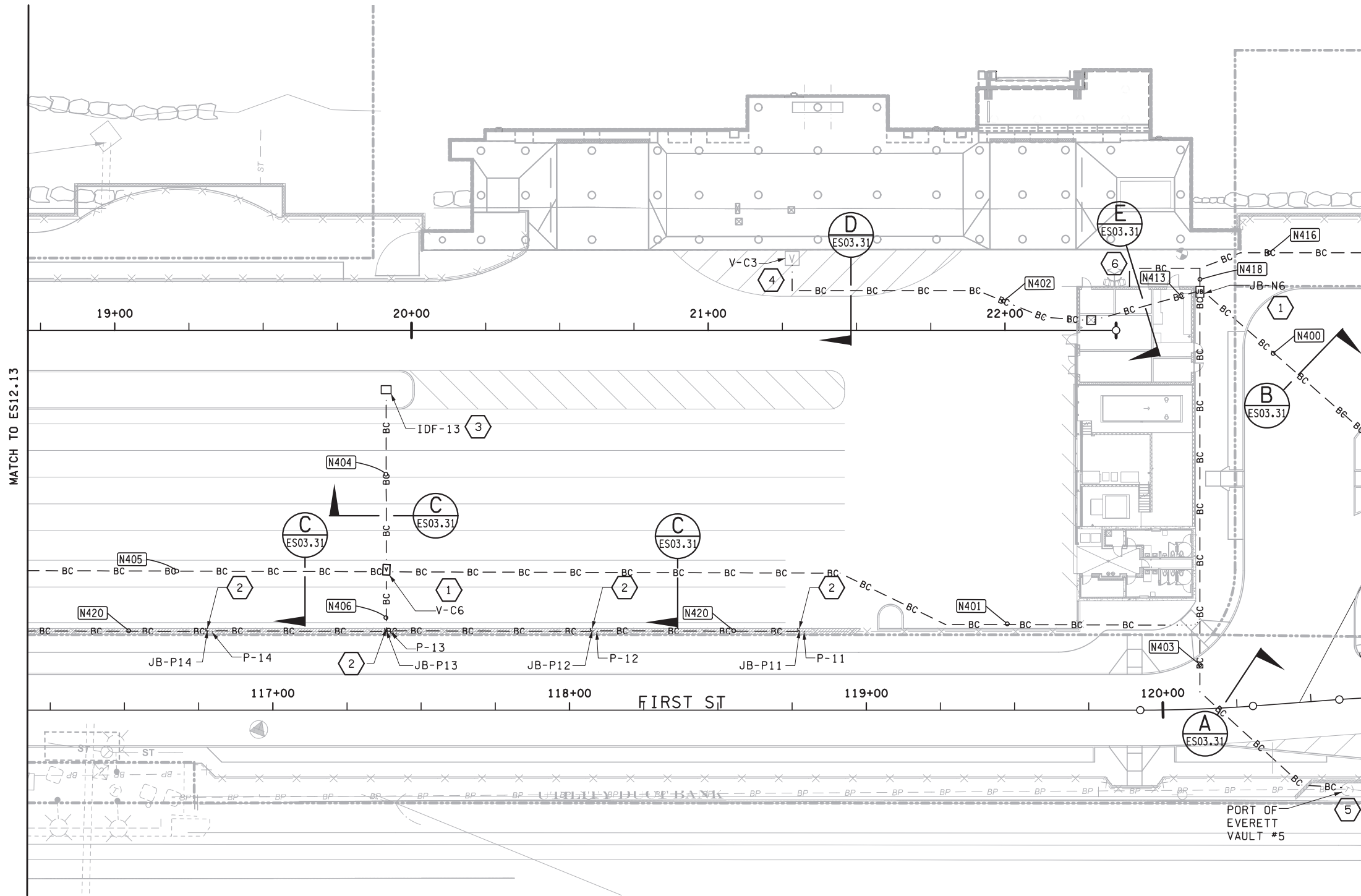
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SUBMITTAL DATE: 08/23/18	JMCNABB				WA-2017-007-00
DESIGNED BY: M. KNICKERBOCKER	12/22/17				REGION NO. STATE
ENTERED BY: J. MCNABB	12/22/17				10 WASH
CHECKED BY: S. HARRIS	12/22/17				JOB NUMBER
MAR PROJ ENGR: C. TORRES					18W121
DIR TERM ENGR: N. MCINTOSH					CONTRACT NO.
ASST SECRETARY: A. SCARTON					00*****
	REVISION	DATE	BY		



SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION  
SITE COMMUNICATIONS PLAN

ES12.12  
SHEET  
393  
OF  
1521  
SHEETS



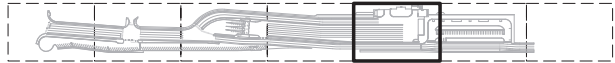


MATCH TO ES12.13

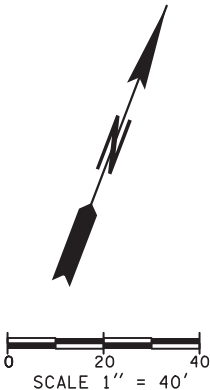
MATCH TO ES12.15



CONSTRUCTION NOTES:

- 1 PROVIDE PULL BOX PER STANDARD PLAN J-90.20-01.
- 2 SEE SHEET ES03.36 FOR BARRIER WALL CONDUIT DETAILS. SEE SHEET ES03.37 FOR COMMUNICATION POLE DETAILS.
- 3 SEE SHEET ES03.34 FOR CABINET DETAILS.
- 4 CONNECT CONDUIT DUCTBANK TO EXISTING COMMUNICATIONS VAULT.
- 5 COORDINATE CONDUIT INSTALLATION TO EXISTING PORT OF EVERETT VAULT WITH FRONTIER COMMUNICATIONS. SEE DRAWING EB11.06 FOR CONTACT INFORMATION.
- 6 FLOW METER REMOTE READOUT.



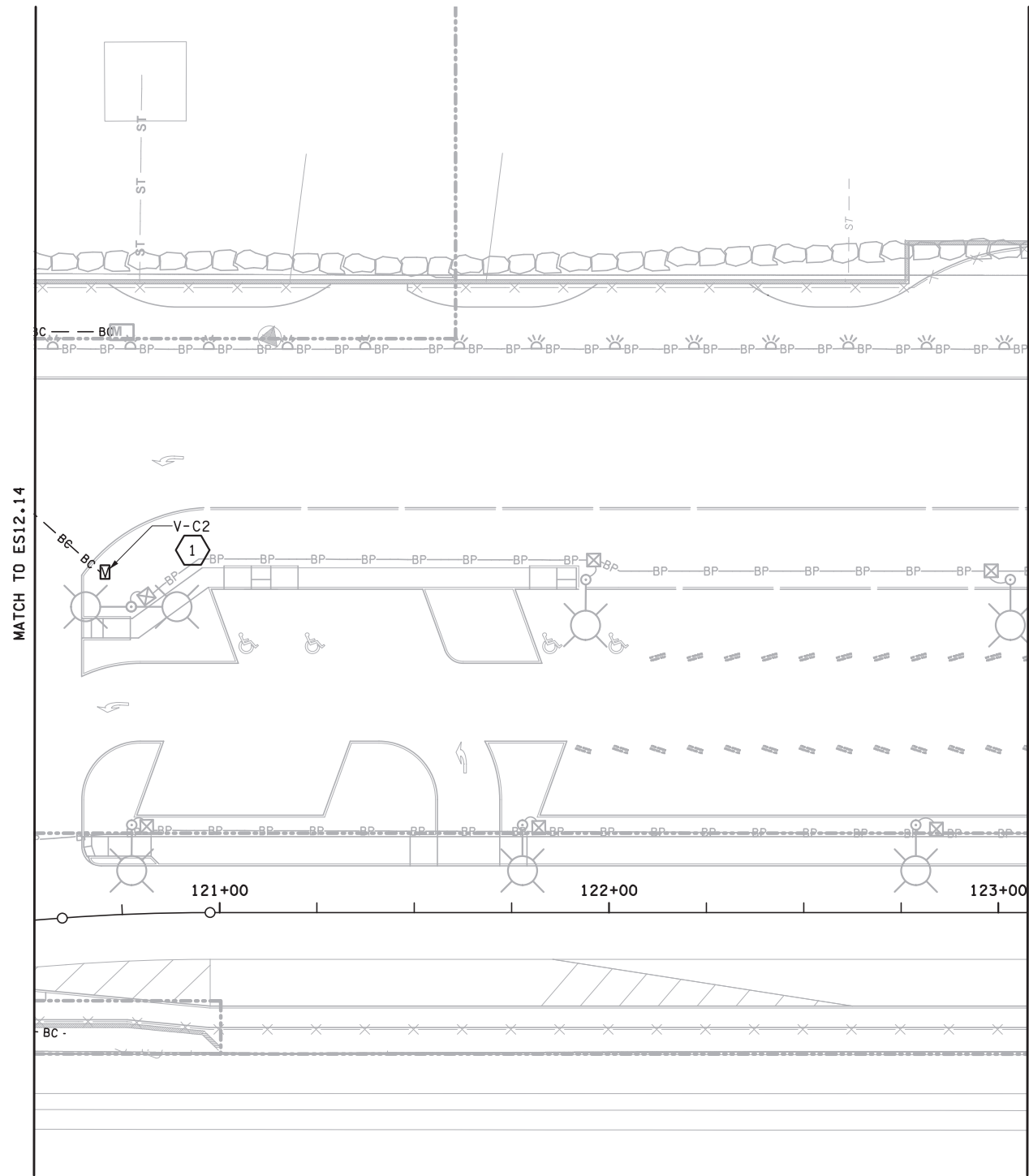
KEY PLAN



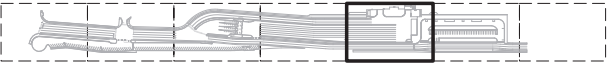
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PRINTED: 3:37:25 PM 12/6/2017		LAST PRINTED BY:		FED.AID PROJ.NO.		MUKILTEO FERRY TERMINAL (PHASE 2)									
SUBMITTAL DATE: 12/22/17		JMCNABB		WA-2017-007-00		FERRY TERMINAL CONSTRUCTION									
DESIGNED BY: M. KNICKERBOCKER		12/22/17		REGION NO. STATE		SHEET 395									
ENTERED BY: J. MCNABB		12/22/17		10 WASH		OF 1521									
CHECKED BY: S. HARRIS		12/22/17		JOB NUMBER 18W121		12/15/2017									
MAR PROJ ENGR: C. TORRES				CONTRACT NO. 00****		SITE COMMUNICATIONS PLAN		SHEETS							
DIR TERM ENGR: N. MCINTOSH															
ASST SECRETARY: A. SCARTON		REVISION		DATE BY											

CONSTRUCTION NOTES:

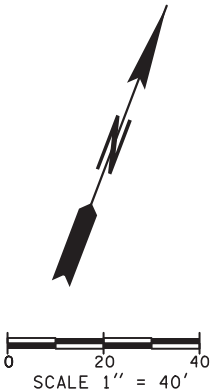
1 PROVIDE PULL BOX PER STANDARD PLAN J-90.21-01.



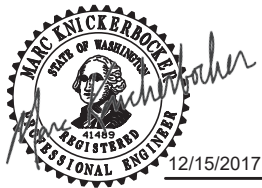
MATCH TO ES12.14



KEY PLAN



FILE NAME: PW:\WSF\Mukilteo\14w121_FERRYTERMCONST\CADD\ERGOSYNCH\14w121es12_15.dlv					
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DESIGNED BY: M. KNICKERBOCKER	12/22/17				REGION NO. STATE
ENTERED BY: J. MCNABB	12/22/17				10 WASH
CHECKED BY: S. HARRIS	12/22/17				JOB NUMBER
MAR PROJ ENGR: C. TORRES					18W121
DIR TERM ENGR: N. MCINTOSH					CONTRACT NO.
ASST SECRETARY: A. SCARTON					00****
	REVISION	DATE	BY		



SR 525  
MUKILTEO FERRY TERMINAL (PHASE 2)  
FERRY TERMINAL CONSTRUCTION  
SITE COMMUNICATIONS PLAN

ES12.15  
SHEET  
396  
OF  
1521  
SHEETS