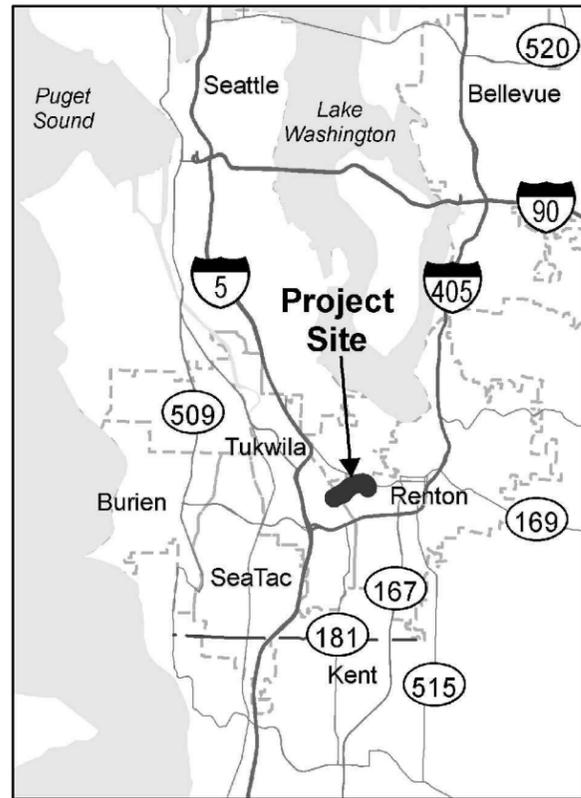
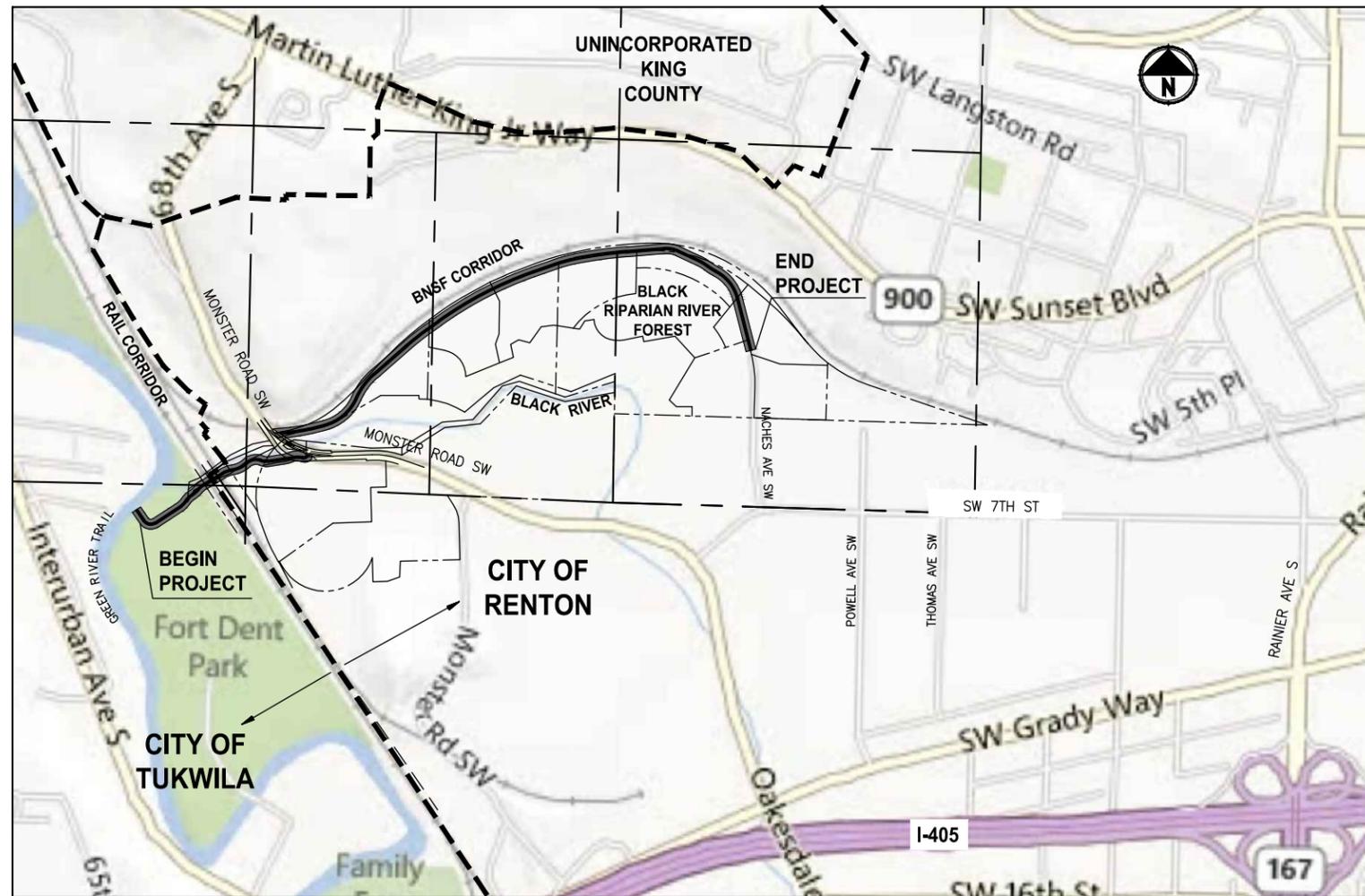


Lake to Sound Trail Segment A

Green River Trail to Naches Avenue SW King County, Washington Contract No. XX



LOCATION MAP
NOT TO SCALE



VICINITY MAP
NOT TO SCALE

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LAYOUT: G1 PATH: U:\Bea\Projects\Clients\1521-King_Cnty\554-1521-084_L2ST\985\svcs\CADD\Phase A\Task 2\200C\Draw\ PLOTTED BY: purgobut DATE: Wednesday, October 09, 2013 12:09:56 PM

REVISIONS	DATE	BY	DESIGNED
			J. DVORAK
			M. MILLER
			Y. HO
			C. SCHOTT

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY	
FILE NAME	BL1521084PAT2T2CG-01
JOB No.	5941521084PBT2C
DATE	JUNE 2013

DRAFT

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PROJECT NAME
**LAKE TO SOUND TRAIL
SEGMENT A**
GREEN RIVER TRAIL TO NACHES AVE SW

COVER SHEET

DRAWING NO.
1 OF 45
G1

LAYOUT: G2 PATH: U:\Belt\Projects\Clients\1521-King_City\554-1521-084_L25T\995vcs\CADD\Phase A\Task 2\200C\Draw\ PLOTTED BY: purgabub DATE: Wednesday, October 09, 2013 12:10:12 PM

ABBREVIATIONS:

ACP	ASPHALT CONCRETE PAVEMENT	PC	POINT OF CURVE
BOC	BACK OF CURB	PT	POINT OF TANGENT
BOW	BACK OF SIDEWALK	P/L	PROPERTY LINE
BP	BEGIN PROFILE	PRC	POINT OF REVERSE CURVATURE
BVCE	BEGIN VERTICAL CURVE ELEVATION	PUD	PUBLIC UTILITY DISTRICT
BVCS	BEGIN VERTICAL CURVE STATION	PVI	POINT OF VERTICAL INTERSECTION
CB	CATCH BASIN	R	RADIUS
C&G	CURB AND GUTTER	RT	RIGHT
C/L	CENTERLINE	ROW or R/W	RIGHT-OF-WAY
CONC	CONCRETE	SD	STORM DRAIN
CONST	CONSTRUCTION	SDMH	STORMWATER MANHOLE
CMP	CORRUGATED METAL PIPE	SS	SANITARY SEWER
COR	CITY OF RENTON	STA	STATION
CP	CONCRETE PIPE	TDA	THRESHOLD DISCHARGE AREA
CSTC	CRUSHED SURFACING TOP COURSE	TEL	TELEPHONE
DIA	DIAMETER	TESC	TEMPORARY EROSION AND SEDIMENT CONTROL
DI, DIP	DUCTILE IRON PIPE	TYP	TYPICAL
E	EAST, EASTING	VC	VERTICAL CURVE
EOA	EDGE OF ASPHALT	VERT	VERTICAL
EOG	EDGE OF GRAVEL	W	WATER
EOP	EDGE OF PAVEMENT	WS	WATER SERVICE
EP	END PROFILE	WSDOT	WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
EVCE	END VERTICAL CURB ELEVATION		
EVCS	END VERTICAL CURB STATION		
EX, EXIST	EXISTING		
FOC	FACE OF CURB		
FL	FLANGE, FLOWLINE		
G	GAS		
GB	GRADE BREAK		
HMA	HOT MIX ASPHALT		
HORIZ	HORIZONTAL		
ID	IDENTIFICATION		
IE	INVERT ELEVATION		
KC	KING COUNTY		
LF	LINEAR FEET		
LP	LOW POINT		
LT	LEFT		
ME	MATCH EXISTING		
MIN	MINIMUM		
MON	MONUMENT		
N	NORTH, NORTHING		
N.I.C.	NOT IN CONTRACT		
NO.	NUMBER		
NST	NOT STEEPER THAN		
OHWM	ORDINARY HIGH WATER MARK		

INDEX TO DRAWINGS		
DWG NO.	SHT NO.	SHEET TITLE
GENERAL		
1	G1	COVER SHEET
2	G2	ABBREVIATIONS AND SHEET LIST
3	G3	LEGEND
4	G4	SURVEY CONTROL PLAN
5	G5	SURVEY CONTROL PLAN
6	G6	A-LINE CONSTRUCTION BASELINE CONTROL
7	G7	C-LINE CONSTRUCTION BASELINE CONTROL
8	G8	B-LINE CONSTRUCTION BASELINE CONTROL
DEMOLITION		
9	DM1	DEMOLITION AND TESC PLAN
10	DM2	DEMOLITION AND TESC PLAN
11	DM3	DEMOLITION AND TESC PLAN
12	DM4	DEMOLITION AND TESC PLAN
13	DM5	DEMOLITION AND TESC PLAN
14	DM6	DEMOLITION AND TESC PLAN
15	DM7	DEMOLITION AND TESC PLAN
16	DM8	DEMOLITION AND TESC PLAN
17	DM9	DEMOLITION AND TESC PLAN
TYPICAL SECTIONS		
18	CS1	TYPICAL CROSS SECTIONS
PLAN & PROFILE		
19	C1	PLAN AND PROFILE
20	C2	PLAN AND PROFILE
21	C3	PLAN AND PROFILE
22	C4	INTERSECTION PLAN
23	C5	INTERSECTION PLAN
24	C6	PLAN AND PROFILE
25	C7	PLAN AND PROFILE
26	C8	PLAN AND PROFILE
27	C9	PLAN AND PROFILE
28	C10	PLAN AND PROFILE
29	C11	PLAN AND PROFILE
30	C12	PLAN AND PROFILE
31	C13	PLAN AND PROFILE
32	C14	PLAN AND PROFILE
33	C15	SIGN SCHEDULE AND RAMP DETAIL
STORM DRAINAGE		
34	SD1	STORM DRAINAGE DETAILS AND BLOCK WALL PROFILES
DETAILS		
35	D1	DETAILS
36	D2	DETAILS
37	D3	DETAILS
SIGNALIZATION		
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40	TS3	SIGNAL POLE SCHEDULE AND DETAILS
41	TS4	PEDESTRIAN PUSH BUTTON POST DETAILS
42	TS5	SIGNAL DETAILS
MITIGATION		
43	MP1	MITIGATION PLAN
44	MP2	MITIGATION PLANTING DETAILS
45	MP3	MITIGATION NOTES

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REVISIONS	DATE	BY	DESIGNED
			J. DVORAK
			M. MILLER
			Y. HO
			C. SCHOTT

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 FILE NAME: BL1521084PAT2T2C-G02-G03
 JOB No: 5541521084PBT2C
 DATE: JUNE 2013

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PROJECT NAME
**LAKE TO SOUND TRAIL
 SEGMENT A**
 GREEN RIVER TRAIL TO NACHES AVE SW

**ABBREVIATIONS AND
 SHEET LIST**

DRAWING NO.
 2 OF 45
G2

LAYOUT: G3 PATH: U:\Belt\Projects\Clients\1521-King_City\554-1521-084_L251\995\cadd\Phase A\Task 21200C\Draw\ PLOTTED BY: purgabub DATE: Wednesday, October 09, 2013 12:10:20 PM

LEGEND

DESCRIPTION	PROPOSED	EXISTING
ROW LINE		<u> </u> R/W <u> </u>
RAILROAD C/L		<u> </u> RAILROAD C/L <u> </u>
PROPERTY LINE		<u> </u> P/L <u> </u>
EASEMENT LINE		<u> </u> <u> </u>
FOUND MONUMENTS		⊕ ⊗
REBAR & CAP		⊙
HUB & TACK		⊠
PK NAIL		⊗
PROPERTY CORNER		●
STREAM BUFFER		<u> </u> <u> </u> <u> </u> <u> </u>
STREAM	<u> </u>	<u> </u>
EDGE OF WATER	<u> </u>	<u> </u>
WETLAND FLAG		🚩
ORDINARY HIGH WATER MARK		<u> </u> OHWM <u> </u>
100-YEAR FLOODPLAIN BOUNDARY		<u> </u> <u> </u> <u> </u>
SURFACE FLOW DIRECTION	~>	
DITCH LINE	<u> </u>	<u> </u>
STORM DRAIN LINE	<u> </u>	<u> </u> SD <u> </u>
CULVERT	<u> </u>	<u> </u>
QUARRY SPALL	⬛	
CATCH BASIN, TYPE 1	⬛	⬛
CATCH BASIN, TYPE 2	⬛	⬛
INLET PROTECTION	⊙	
SANITARY SEWER LINE		<u> </u> SS <u> </u>
SANITARY SEWER MANHOLE	⊙	⊙
SANITARY SEWER VAULT		⊙
CLEANOUT	●	⊙
CONTOURS MAJOR	<u> </u> 10 <u> </u>	<u> </u> 10 <u> </u>
CONTOURS MINOR	<u> </u> 2 <u> </u>	<u> </u> 2 <u> </u>
FILTER FABRIC FENCE	<u> </u>	
HIGH VISIBILITY FENCE	<u> </u>	
CLEARING AND GRUBBING LIMITS	<u> </u>	
CLEARING LIMITS	<u> </u>	
FILL LINE	<u> </u> F <u> </u>	
CUT LINE	<u> </u> C <u> </u>	
SAWCUT LINE	<u> </u>	
ASPHALT EDGE	<u> </u>	<u> </u>
CONCRETE LINE	<u> </u>	<u> </u>
CURB AND GUTTER LINE	<u> </u>	<u> </u>
EDGE OF PATCH	<u> </u>	<u> </u>
EDGE OF GRAVEL	<u> </u>	<u> </u>
JURISDICTIONAL DITCH		<u> </u>
ROCKERY		<u> </u>
CONCRETE BARRIER	<u> </u>	<u> </u>

LEGEND

DESCRIPTION	PROPOSED	EXISTING
SPLIT RAIL FENCE LINE	<u> </u>	<u> </u>
BARBWIRE FENCE LINE	<u> </u>	<u> </u>
WOOD FENCE LINE	<u> </u>	<u> </u>
CHAIN LINK FENCE LINE	<u> </u>	<u> </u>
HOG WIRE FENCE LINE	<u> </u>	<u> </u>
WOOD GUARDRAIL	<u> </u>	<u> </u>
GUY ANCHOR		→
POWER POLE WITH LIGHT		⊙
FLOOD LIGHT		⊙
UTILITY POLE		⊙
PP W/ UG DROP		⊙
PP W/ UG DROP & XMFR		⊙
OVERHEAD POWER		<u> </u> OP <u> </u>
POWER		<u> </u> P <u> </u>
POWER VAULT		⊠
POWER TRANSFORMER		⊠
POWER MANHOLE		⊙
POWER HANDHOLE		⊙
POWER CABINET		⊠
POWER RISER		⊠
POWER METER		⊠
SOLID LID J-BOX		⊠
LUMINAIRE	⊙	⊙
TELEPHONE VAULT		⊠
TELEPHONE RISER		⊠
TELEPHONE MANHOLE		⊙
TELEPHONE		<u> </u> T <u> </u>
TV RISER		⊠
TV		<u> </u> TV <u> </u>
GAS VALVE		⊙
GAS		<u> </u> G <u> </u>
WATER LINE		<u> </u> W <u> </u>
FIRE HYDRANT		⊙
WATER METER		⊙
WATER VALVE		⊙
WATER BLOW OFF VALVE		⊙
WATER POST INDICATOR		⊙
SPRINKLER HEAD ROT=90		⊙
IRRIGATION CONTROL VALVE		⊙

LEGEND

DESCRIPTION	PROPOSED	EXISTING
TRAFFIC SIGNAL POLE W/ LAMP		⊙
TRAFFIC SIGNAL POLE		⊙
TRAFFIC CONTROL LOOP (SQ)		⊠
TRAFFIC CONTROL CABINET		⊠
PEDESTRIAN POLE		⊙
MONITORING WELL		⊙
SURFACE POST		⊙
SIGN	⊙	⊙
SKIP LANE LINE		<u> </u>
SOLID LANE LINE		<u> </u>
FOG LINE		<u> </u>
LTO ARROW		↩
STO ARROW	←	↩
RTO ARROW		↩
MAILBOX	⊙	⊙
TREES		🌳
WETLAND SYMBOL		🌿
WETLAND BOUNDARY		<u> </u>
VEGETATION		<u> </u>
RETAINING WALL	<u> </u>	<u> </u>
RIP RAP		⬛
ROCKERY		⬛
HANDICAPPED SYMBOL	♿	♿
WHEELCHAIR RAMP		♿
BUILDING LINE		<u> </u>
CONCRETE STAIR LINE		<u> </u>
WOOD STAIRWAY		<u> </u>
ASPHALT PATH	<u> </u>	
CEMENT CONCRETE SIDEWALK	<u> </u>	
ENGINEERED SOIL MIX	<u> </u>	
LANDSCAPE AREA	<u> </u>	
RAMP DETECTABLE WARNING	<u> </u>	
RESTORATION PLANTING AREA	<u> </u>	
TEST PIT OR BORE HOLE	▲ TP-# OR ▲ BH-#	

**60% REVIEW SUBMITTAL
NOT FOR CONSTRUCTION**

REVISIONS	DATE	BY	DESIGNED
			J. DVORAK
			M. MILLER
			Y. HO
			C. SCHOTT

**ONE INCH AT FULL SCALE,
IF NOT, SCALE ACCORDINGLY**
 FILE NAME
 BL1521084PAT2T2C-G02-G03
 JOB No.
 5941521084PBT2C
 DATE
 JUNE 2013

DRAFT

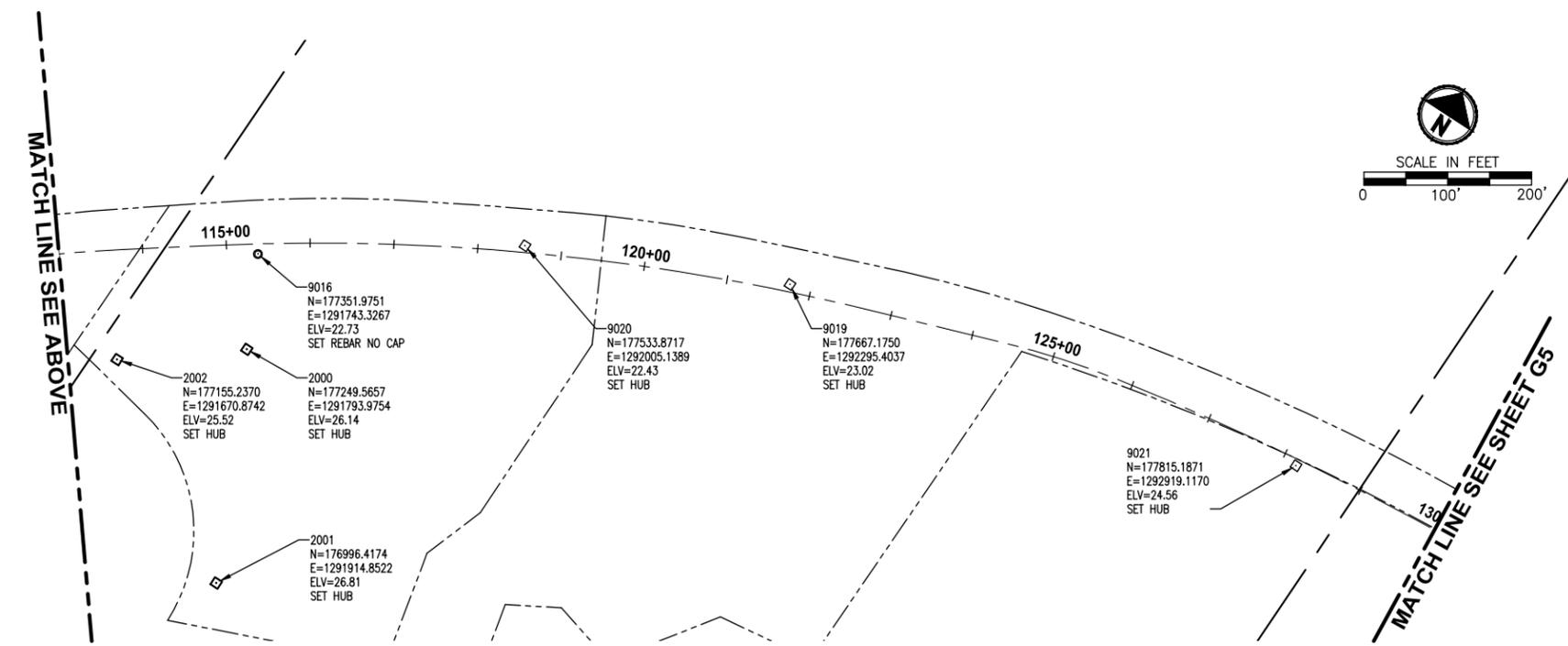
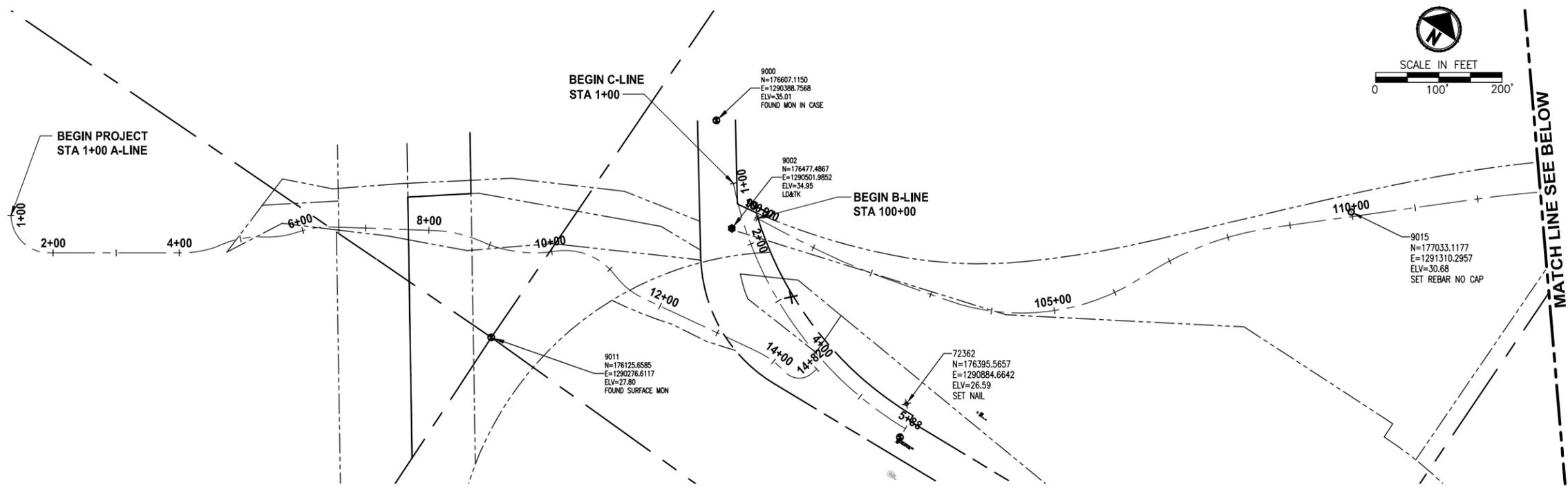
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PROJECT NAME
**LAKE TO SOUND TRAIL
SEGMENT A**
 GREEN RIVER TRAIL TO NACHES AVE SW

LEGEND

DRAWING NO.
 3 OF 45
G3

LAYOUT: G4 PATH: U:\Bain\Projects\Clients\1521-084_L25\995\cs\CADD\Phase A\Task 212000\Draw\ PLOTTED BY: purgabat DATE: Wednesday, October 09, 2013 12:10:39 PM



- SURVEY NOTES:**
- HORIZONTAL DATUM, BASIS OF MERIDIAN: GRID NORTH, WASHINGTON COORDINATE SYSTEM, NORTH ZONE, NAD83(91) HELD CITY OF RENTON MONUMENTS: HORIZONTAL AND STATIONS 1333 AND 1854
 - VERTICAL DATUM: NAVD 88 HELD CITY OF RENTON BENCHMARKS: BM#1333 AND BM#1854
 - THIS MAP CORRECTLY REPRESENTS CONDITIONS AND FEATURES EXISTING AT THE TIME OF THIS TOPOGRAPHY IN OCTOBER, 2010.
 - CONVENTIONAL SURVEY EQUIPMENT WAS USED IN THE PERFORMANCE OF THIS SURVEY. ALL EQUIPMENT IS MAINTAINED IN CONFORMANCE WITH CURRENT STATE STATUTE.
 - THIS SURVEY WAS PREPARED BY FIELD TRAVERSE AS PER WAC 332-130-090, PART C. RELATIVE ACCURACY EXCEEDS 1 FOOT IN TEN THOUSAND.

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 NOT FOR CONSTRUCTION

REVISIONS	DATE	BY	DESIGNED
			J. DVORAK
			K. BRAATEN
			Y. HO
			C. SCHOTT

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY.
 FILE NAME: BL1521084PAT2T2CC-control
 JOB No.: 5341521084PBT2C
 DATE: JUNE 2013

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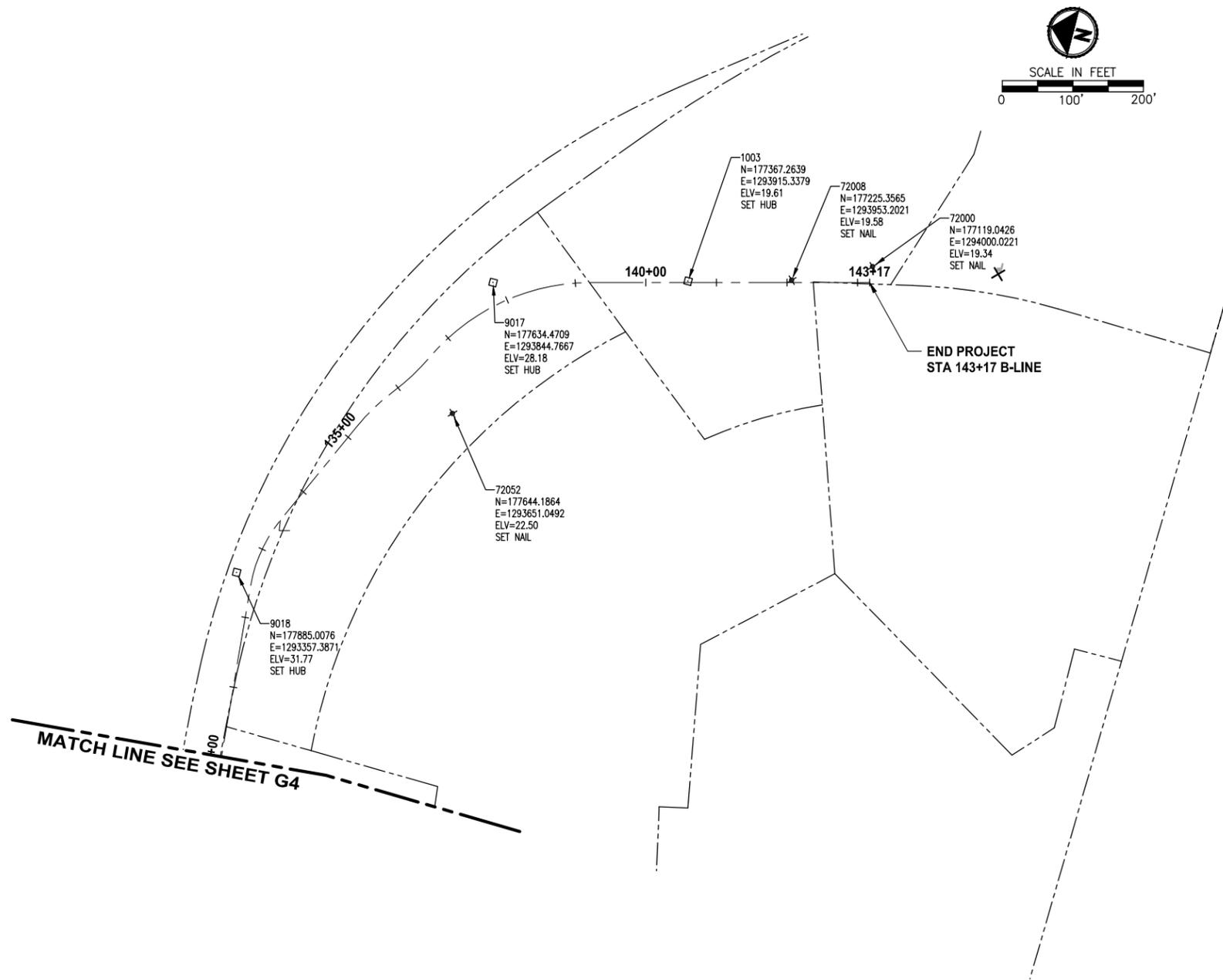
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PROJECT NAME
LAKE TO SOUND TRAIL SEGMENT A
 GREEN RIVER TRAIL TO NACHES AVE SW

SURVEY CONTROL PLAN

DRAWING NO.
 4 OF 45
G4

LAYOUT: G5 PATH: U:\Belt\Projects\Clients\1521-King_City\554-1521-084_L251\995\cadd\Phase A\Task 212000\Draw\ PLOTTED BY: purgubut DATE: Wednesday, October 09, 2013 12:10:45 PM



SURVEY NOTES:

1. HORIZONTAL DATUM, BASIS OF MERIDIAN:
GRID NORTH, WASHINGTON COORDINATE SYSTEM,
NORTH ZONE, NAD83(91) HELD CITY OF RENTON
MONUMENTS: HORIZONTAL AND STATIONS 1333
AND 1854
2. VERTICAL DATUM: NAVD 88 HELD CITY OF RENTON
BENCHMARKS: BM#1333 AND BM#1854
3. THIS MAP CORRECTLY REPRESENTS CONDITIONS
AND FEATURES EXISTING AT THE TIME OF THIS
TOPOGRAPHY IN OCTOBER, 2010.
4. CONVENTIONAL SURVEY EQUIPMENT WAS USED IN
THE PERFORMANCE OF THIS SURVEY. ALL
EQUIPMENT IS MAINTAINED IN CONFORMANCE WITH
CURRENT STATE STATUTE.
5. THIS SURVEY WAS PREPARED BY FIELD TRAVERSE
AS PER WAC 332-130-090, PART C. RELATIVE
ACCURACY EXCEEDS 1 FOOT IN TEN THOUSAND.

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NOT FOR CONSTRUCTION**

REVISIONS	DATE	BY	DESIGNED
			J. DVORAK
			DRAWN K. BRAATEN
			CHECKED Y. HO
			APPROVED C. SCHOTT

**ONE INCH AT FULL SCALE.
IF NOT, SCALE ACCORDINGLY**
 FILE NAME
 BL1521084PAT2T2CC-control
 JOB No.
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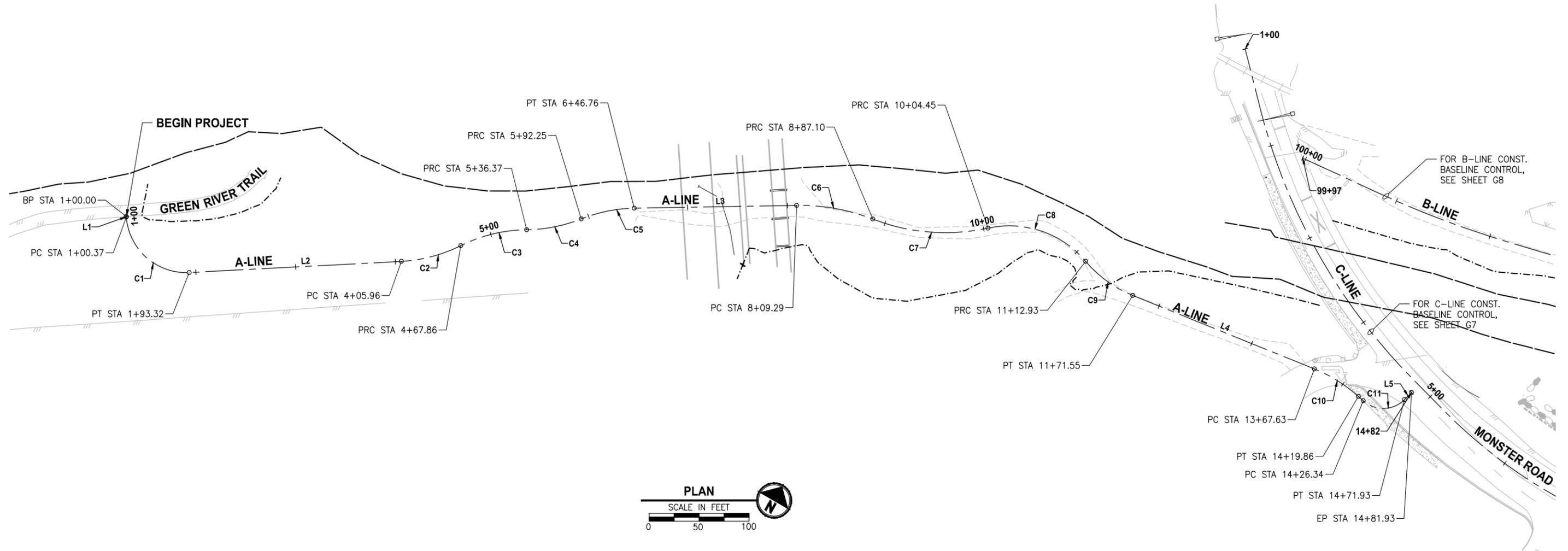
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PROJECT NAME
**LAKE TO SOUND TRAIL
 SEGMENT A**
 GREEN RIVER TRAIL TO NACHES AVE SW

SURVEY CONTROL PLAN

DRAWING NO.
 5 OF 45
G5

LAYOUT: G6
 PATH: U:\Belt\Projects\Clients\1521-King_City\554-1521-084_L251\995\cadd\Phase A\Task 21200C\Draw\
 PLOTTED BY: purgubut DATE: Wednesday, October 09, 2013 12:10:59 PM



A-LINE CONTROL (LINES)					
LINE	LENGTH	DIRECTION	START POINT	END POINT	
L1	0.37	S34° 14' 11.44"E	STA 1+00.00 (N175873.16, E1289533.82)	STA 1+00.37 (N175872.86, E1289534.02)	
L2	212.64	N56° 59' 57.02"E	STA 1+93.32 (N175856.30, E1289616.30)	STA 4+05.96 (N175972.12, E1289794.64)	
L3	162.52	N59° 00' 18.97"E	STA 6+46.76 (N176134.65, E1289969.95)	STA 8+09.29 (N176218.34, E1290109.27)	
L4	196.07	N81° 58' 12.02"E	STA 11+71.55 (N176308.65, E1290445.39)	STA 13+67.63 (N176336.04, E1290639.54)	
L5	10.00	N14° 50' 35.50"E	STA 14+71.93 (N176354.61, E1290733.02)	STA 14+81.93 (N176364.27, E1290735.58)	

A-LINE CONTROL (CURVES)						
CURVE	RADIUS	LENGTH	TANGENT	START POINT (PC)	END POINT (PT)	
C1	60.00	92.95	58.72	STA 1+00.37 (N175872.86, E1289534.02)	STA 1+93.32 (N175856.30, E1289616.30)	
C2	150.00	61.89	31.39	STA 4+05.96 (N175972.12, E1289794.64)	STA 4+67.86 (N176015.44, E1289838.23)	
C3	150.00	68.51	34.86	STA 4+67.86 (N176015.44, E1289838.23)	STA 5+36.37 (N176062.24, E1289887.45)	
C4	150.00	55.88	28.27	STA 5+36.37 (N176062.24, E1289887.45)	STA 5+92.25 (N176098.79, E1289929.29)	
C5	150.00	54.52	27.56	STA 5+92.25 (N176098.79, E1289929.29)	STA 6+46.76 (N176134.65, E1289969.95)	
C6	200.00	77.81	39.40	STA 8+09.29 (N176218.34, E1290109.27)	STA 8+87.10 (N176244.60, E1290181.99)	
C7	200.00	117.36	60.42	STA 8+87.10 (N176244.60, E1290181.99)	STA 10+04.45 (N176294.42, E1290286.39)	
C8	100.00	108.48	60.27	STA 10+04.45 (N176294.42, E1290286.39)	STA 11+12.93 (N176314.56, E1290387.65)	
C9	120.00	58.62	29.91	STA 11+12.93 (N176314.56, E1290387.65)	STA 11+71.55 (N176308.65, E1290445.39)	
C10	150.00	52.23	26.38	STA 13+67.63 (N176336.04, E1290639.54)	STA 14+19.86 (N176334.28, E1290691.48)	
C11	30.00	45.59	28.51	STA 14+26.34 (N176332.94, E1290697.82)	STA 14+71.93 (N176354.61, E1290733.02)	

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REVISIONS	DATE	BY	DESIGNED
			J. DVORAK
			M. MILLER
			Y. HO
			C. SCHOTT

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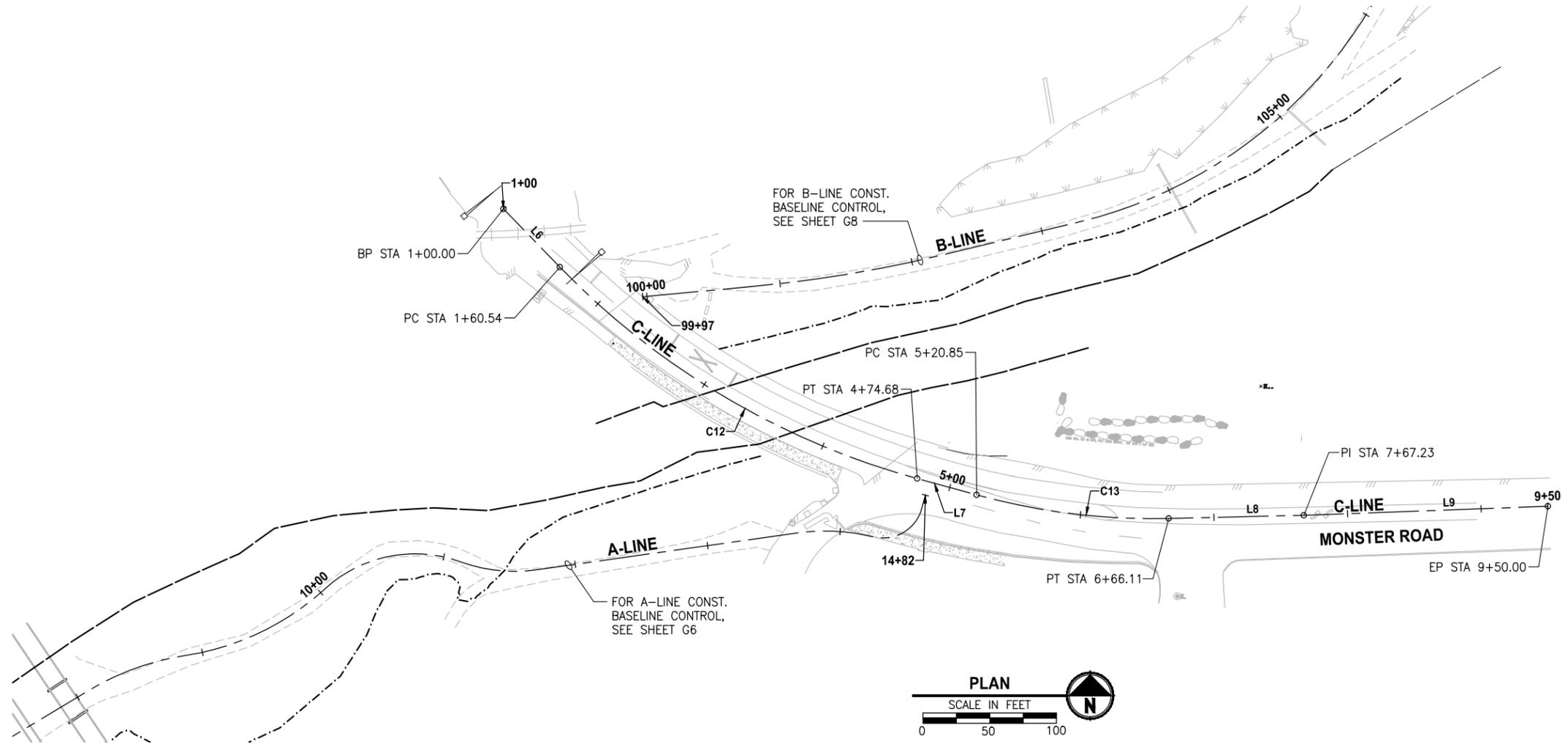
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PROJECT NAME
**LAKE TO SOUND TRAIL
 SEGMENT A**
 GREEN RIVER TRAIL TO NACHES AVE SW

**A-LINE CONSTRUCTION
 BASELINE CONTROL**

DRAWING NO.
 6 OF 45
G6

PATH: U:\Belt\Projects\Clients\1521-King_City\554-1521-084_L25\995\cadd\Phase A\Task 2\200C\Draw\ LAYOUT: G7 PLOTTED BY: purgubut DATE: Wednesday, October 09, 2013 12:11:06 PM



C-LINE CONTROL (LINES)					
LINE	LENGTH	DIRECTION	START POINT	END POINT	
L6	60.54	S44° 11' 02.48"E	STA 1+00.00 (N176577.92, E1290419.91)	STA 1+60.54 (N176534.51, E1290462.10)	
L7	46.16	S74° 41' 27.73"E	STA 4+74.68 (N176376.65, E1290729.42)	STA 5+20.85 (N176364.47, E1290773.95)	
L8	101.12	N88° 39' 48.15"E	STA 6+66.11 (N176346.86, E1290917.62)	STA 7+67.23 (N176349.22, E1291018.72)	
L9	182.77	N87° 52' 53.62"E	STA 7+67.23 (N176349.22, E1291018.72)	STA 9+50.00 (N176355.98, E1291201.37)	

C-LINE CONTROL (CURVES)					
CURVE	RADIUS	LENGTH	TANGENT	START POINT (PC)	END POINT (PT)
C12	590.00	314.14	160.89	STA 1+60.54 (N176534.51, E1290462.10)	STA 4+74.68 (N176376.65, E1290729.42)
C13	500.00	145.26	73.15	STA 5+20.85 (N176364.47, E1290773.95)	STA 6+66.11 (N176346.86, E1290917.62)

60% REVIEW SUBMITTAL
 NOT FOR CONSTRUCTION

REVISIONS	DATE	BY	DESIGNED
			J. DVORAK
			M. MILLER
			Y. HO
			C. SCHOTT

ONE INCH AT FULL SCALE.
 IF NOT, SCALE ACCORDINGLY
 FILE NAME: BL1521084PAT2T2C-G05-G07
 JOB No: 5541521084PBT2C
 DATE: JUNE 2013

DRAFT

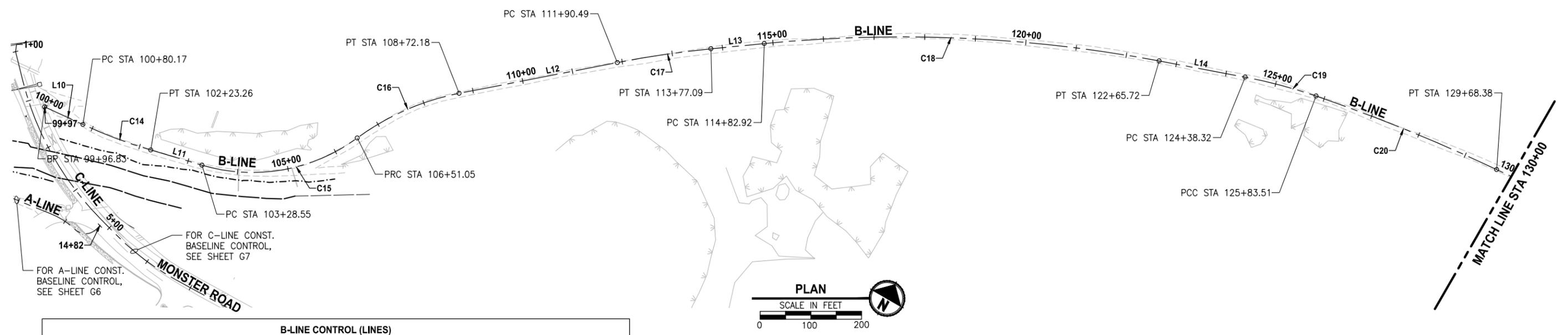
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 ENGINEERING, PLANNING, ENVIRONMENTAL SCIENCES
 411 108TH AVENUE N.E., SUITE 1000
 BELLEVUE, WASHINGTON 98004
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 www.parametrix.com

PROJECT NAME
LAKE TO SOUND TRAIL
SEGMENT A
 GREEN RIVER TRAIL TO NACHES AVE SW

C-LINE CONSTRUCTION
BASELINE CONTROL

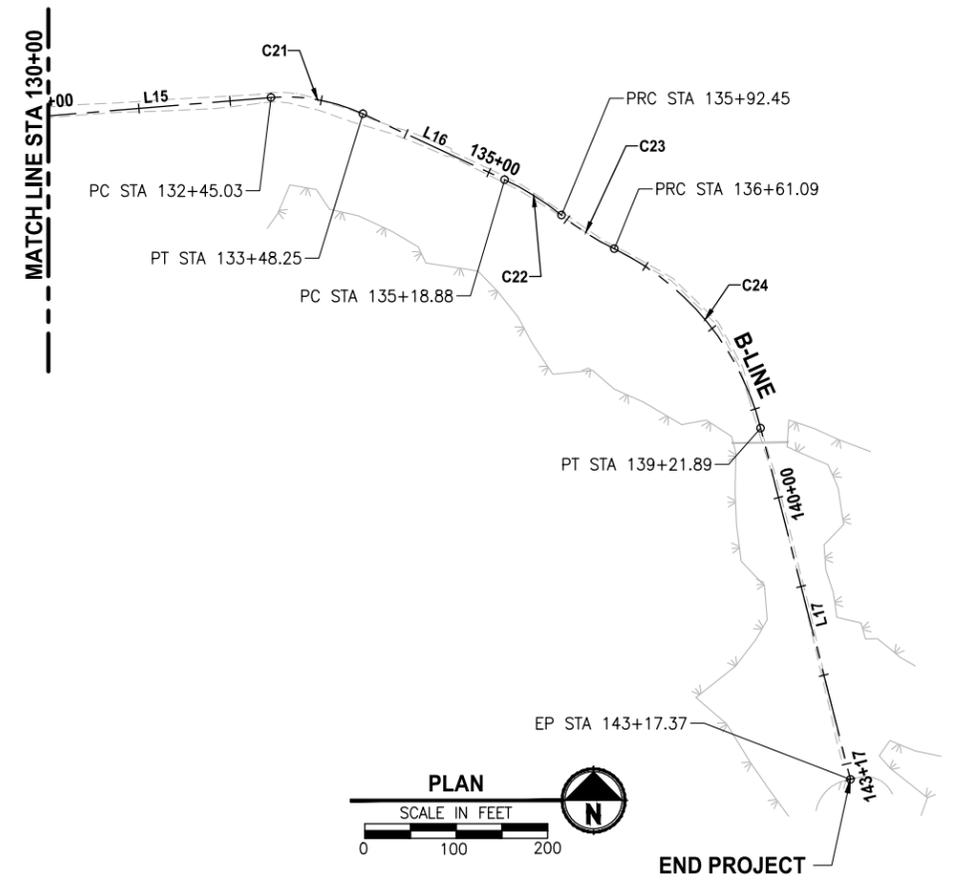
DRAWING NO.
 7 OF 45
G7

LAYOUT: G8
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 PLOTTED BY: purgubut DATE: Wednesday, October 09, 2013 12:11:12 PM



B-LINE CONTROL (LINES)				
LINE	LENGTH	DIRECTION	START POINT	END POINT
L10	83.33	N84° 40' 05.51"E	STA 99+96.83 (N176512.40, E1290524.13)	STA 100+80.17 (N176520.14, E1290607.10)
L11	105.30	N76° 28' 11.12"E	STA 102+23.26 (N176543.57, E1290748.13)	STA 103+28.55 (N176568.21, E1290850.51)
L12	318.31	N49° 00' 59.43"E	STA 108+72.18 (N176944.60, E1291219.15)	STA 111+90.49 (N177153.36, E1291459.44)
L13	105.83	N54° 21' 44.67"E	STA 113+77.09 (N177269.00, E1291605.81)	STA 114+82.92 (N177330.66, E1291691.82)
L14	172.60	N70° 40' 18.77"E	STA 122+65.72 (N177690.69, E1292383.94)	STA 124+38.32 (N177747.82, E1292546.81)
L15	276.66	N85° 17' 27.57"E	STA 129+68.38 (N177838.38, E1293067.88)	STA 132+45.03 (N177861.09, E1293343.60)
L16	170.64	S65° 07' 53.66"E	STA 133+48.25 (N177843.23, E1293444.10)	STA 135+18.88 (N177771.47, E1293598.91)
L17	395.48	S14° 22' 42.42"E	STA 139+21.89 (N177500.47, E1293879.04)	STA 143+17.37 (N177117.38, E1293977.25)

B-LINE CONTROL (CURVES)					
CURVE	RADIUS	LENGTH	TANGENT	START POINT (PC)	END POINT (PT)
C14	1000.00	143.09	71.67	STA 100+80.17 (N176520.14, E1290607.10)	STA 102+23.26 (N176543.57, E1290748.13)
C15	350.00	322.50	173.72	STA 103+28.55 (N176568.21, E1290850.51)	STA 106+51.05 (N176767.94, E1291089.16)
C16	500.00	221.13	112.40	STA 106+51.05 (N176767.94, E1291089.16)	STA 108+72.18 (N176944.60, E1291219.15)
C17	2000.00	186.61	93.37	STA 111+90.49 (N177153.36, E1291459.44)	STA 113+77.09 (N177269.00, E1291605.81)
C18	2750.00	782.80	394.06	STA 114+82.92 (N177330.66, E1291691.82)	STA 122+65.72 (N177690.69, E1292383.94)
C19	1000.00	145.19	72.72	STA 124+38.32 (N177747.82, E1292546.81)	STA 125+83.51 (N177785.78, E1292686.82)
C20	3500.00	384.87	192.63	STA 125+83.51 (N177785.78, E1292686.82)	STA 129+68.38 (N177838.38, E1293067.88)
C21	199.94	103.21	52.78	STA 132+45.03 (N177861.09, E1293343.60)	STA 133+48.25 (N177843.23, E1293444.10)
C22	300.00	73.57	36.97	STA 135+18.88 (N177771.47, E1293598.91)	STA 135+92.45 (N177732.70, E1293661.22)
C23	300.00	68.63	34.47	STA 135+92.45 (N177732.70, E1293661.22)	STA 136+61.09 (N177696.04, E1293719.06)
C24	300.00	260.80	139.29	STA 136+61.09 (N177696.04, E1293719.06)	STA 139+21.89 (N177500.47, E1293879.04)



60% REVIEW SUBMITTAL
NOT FOR CONSTRUCTION

REVISIONS	DATE	BY	DESIGNED
			J. DVORAK
			M. MILLER
			Y. HO
			C. SCHOTT

ONE INCH AT FULL SCALE.
 IF NOT, SCALE ACCORDINGLY
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 JOB No.
 5941521084PBT2C
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DRAFT

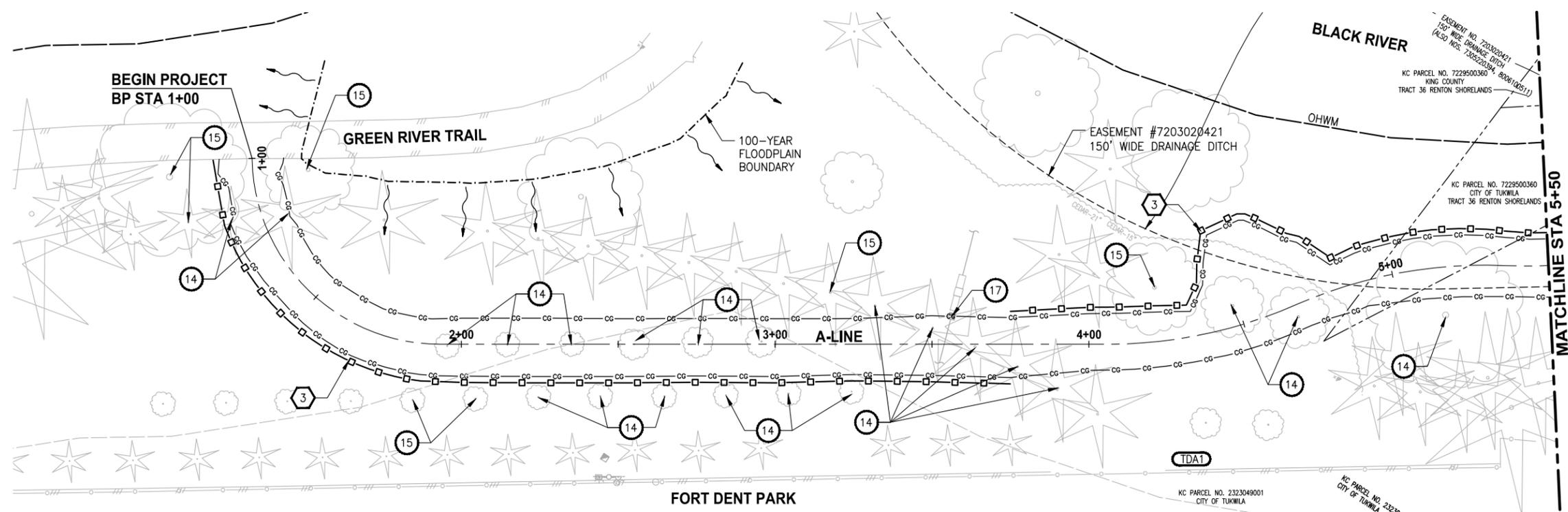
Parametrix
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PROJECT NAME
**LAKE TO SOUND TRAIL
 SEGMENT A**
 GREEN RIVER TRAIL TO NACHES AVE SW

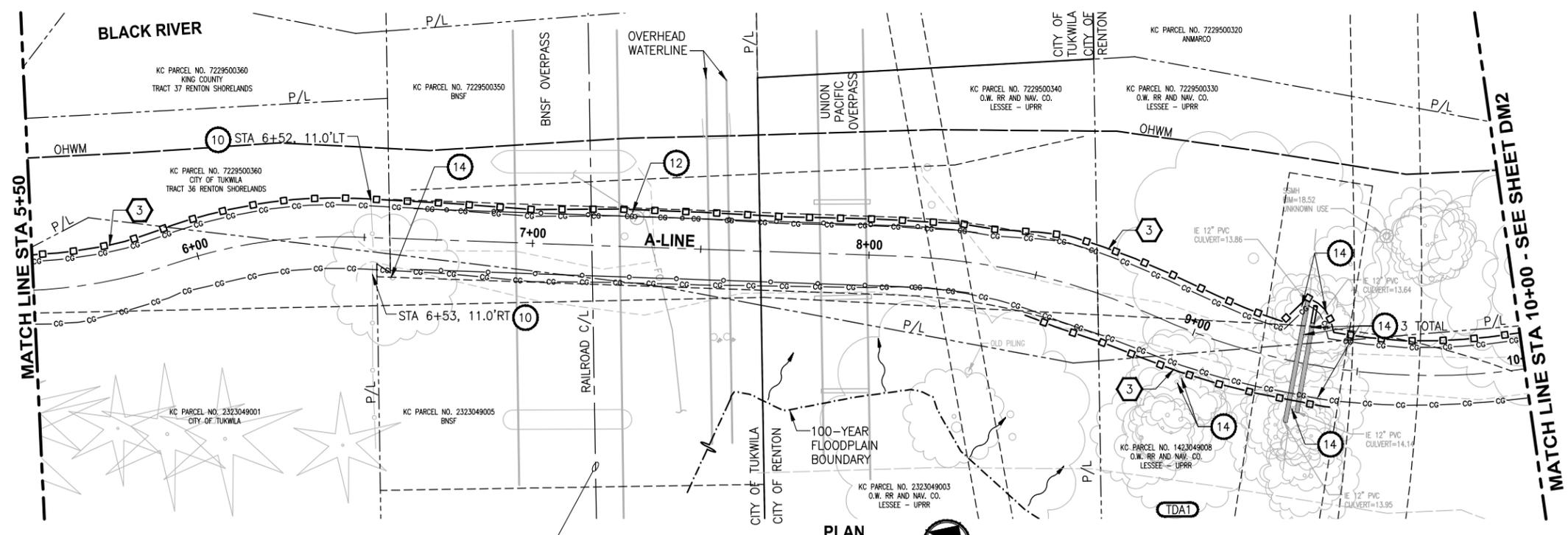
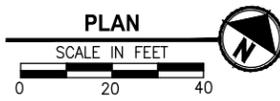
**B-LINE CONSTRUCTION
 BASELINE CONTROL**

DRAWING NO.
 8 OF 45
G8

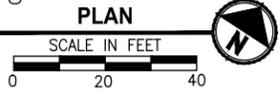
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- DEMOLITION NOTES:**
- 1 REMOVE PLASTIC TRAFFIC MARKING.
 - 2 REMOVE PAINT LINE.
 - 3 REMOVE RAISED PAVEMENT MARKER. FILL PAVEMENT DEPRESSION WITH LOOP SEALANT.
 - 4 ADJUST CATCH BASIN OR MANHOLE TO FINISHED GRADE.
 - 5 REMOVE CEMENT CONC. CURB AND GUTTER AND SIDEWALK.
 - 6 REMOVE CEMENT CONC. SIDEWALK. SEE DETAIL 1, SHEET DM3.
 - 7 REMOVE BEAM GUARDRAIL.
 - 8 REMOVE AND DISPOSE OF ECOLOGY BLOCKS.
 - 9 REMOVE METAL GATE. SALVAGE TO LOCATION PER THE ENGINEER'S DISCRETION.
 - 10 REMOVE AND DISPOSE OF CHAIN LINK FENCE AND GATE.
 - 11 RELOCATE ECOLOGY BLOCKS.
 - 12 EXISTING STRUCTURE TO BE ADJUSTED TO FINISHED GRADE BY OTHERS.
 - 13 REMOVE DRAINAGE STRUCTURE.
 - 14 REMOVE EXISTING TREE. SEE GENERAL NOTE 2.
 - 15 PROTECT EXISTING TREE. REFER TO THE SPECIAL PROVISIONS AND SEE DETAIL 1 FOR INSTALLATION OF ROOT BARRIER.
 - 16 ADJUST EXISTING WATER VALVE MANHOLE TO FINISHED GRADE. REPLACE EXISTING COVER WITH SLIP-RESISTANT, ADA-COMPLIANT COVER. SEE SPECIAL PROVISIONS.
 - 17 ADJUST WATER METER BOX TO FINISHED GRADE.
 - 18 PROTECT EXISTING STRUCTURE IN PLACE.



- TESC CONTROL NOTES:**
- 1 INSTALL STORM DRAIN INLET PROTECTION IN ACCORDANCE WITH WSDOT STD. PLAN 1-40.20-00.
 - 2 NOT USED.
 - 3 INSTALL SILT FENCE IN ACCORDANCE WITH WSDOT STD. PLAN 1-30.15-01.
 - 4 INSTALL HIGH VISIBILITY FENCE IN ACCORDANCE WITH WSDOT STD. PLAN 1.10.10-01.
 - 5 INSTALL TEMPORARY BYPASS TO DIVERT WATER AROUND WORK ZONE. PROTECT DISCHARGE AREA FROM EROSION WITH PLASTIC SHEETING.
 - 6 SANDBAG DAM. DEWATER CONSTRUCTION AREA DURING CULVERT WORK.



- GENERAL NOTES:**
1. SEE PLAN AND PROFILE SHEETS C1-C15 FOR SIGN REMOVAL AND RELOCATION.
 2. CUT OR GRIND STUMP NO MORE THAN 18" BELOW FINISHED GRADE. EQUIPMENT THAT DISTURBS SOILS BELOW THIS LIMIT WILL NOT BE ALLOWED.
 3. THE TRAIL SEGMENT LOCATED BETWEEN STA 1+00 AND 6+50 IS LOCATED ON AN ARCHAEOLOGICAL SITE. THE CONTRACTOR IS ALERTED TO SECTION 1-07.16(4) OF THE STANDARD SPECIFICATIONS.
 4. SAWCUT EXISTING ASPHALT PAVEMENT 1' FROM EXISTING FACE OF GUTTER OR FACE OF CURB (WHEN NO GUTTER IS PRESENT), OR AS STATIONED ON THE PLAN.

- LEGEND:**
- SAWCUT
 - DRAINAGE THRESHOLD DISCHARGE AREA ID NO.
 - TDA BOUNDARY
 - CEMENT CONC. SIDEWALK REMOVAL
 - PLANING BITUMINOUS PAVEMENT
 - SCARIFY CONC. SURFACE, SEE DETAIL 1 CS1
 - ASPHALT CONC. PAVEMENT REMOVAL
 - HIGH VISIBILITY FENCE
 - SILT FENCE

**60% REVIEW SUBMITTAL
NOT FOR CONSTRUCTION**

REVISIONS	DATE	BY	DESIGNED
			J. DVORAK
			M. MILLER
			Y. HO
			C. SCHOTT

**ONE INCH AT FULL SCALE,
IF NOT, SCALE ACCORDINGLY**
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 BL1521084PAT2T2DM-1
 JOB No.
 5541521084PBT2C
 DATE
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DRAFT

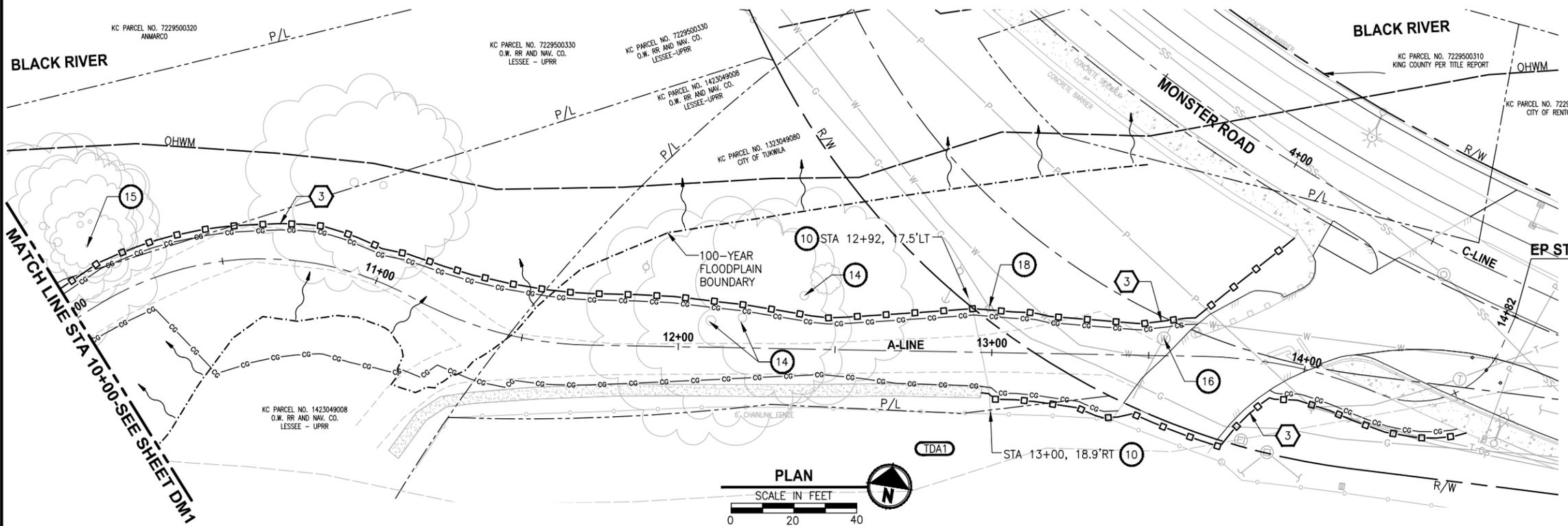
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PROJECT NAME
**LAKE TO SOUND TRAIL
SEGMENT A**
 GREEN RIVER TRAIL TO NACHES AVE SW

**DEMOLITION AND
TESC PLAN**

DRAWING NO.
 9 OF 45
DM1

LAYOUT: DM2
 PATH: U:\Bell\Projects\Clients\1521-King_City\554-1521-084-L2ST\99Sves\CADD\Phase A\Task 27200C\Draw\...
 PLOTTED BY: purgubut DATE: Wednesday, October 09, 2013 12:12:18 PM



- DEMOLITION NOTES:**
- 1 REMOVE PLASTIC TRAFFIC MARKING.
 - 2 REMOVE PAINT LINE.
 - 3 REMOVE RAISED PAVEMENT MARKER. FILL PAVEMENT DEPRESSION WITH LOOP SEALANT.
 - 4 ADJUST CATCH BASIN OR MANHOLE TO FINISHED GRADE.
 - 5 REMOVE CEMENT CONC. CURB AND GUTTER AND SIDEWALK.
 - 6 REMOVE CEMENT CONC. SIDEWALK. SEE DETAIL 1, SHEET DM3.
 - 7 REMOVE BEAM GUARDRAIL.
 - 8 REMOVE AND DISPOSE OF ECOLOGY BLOCKS.
 - 9 REMOVE METAL GATE. SALVAGE TO LOCATION PER THE ENGINEER'S DISCRETION.
 - 10 REMOVE AND DISPOSE OF CHAIN LINK FENCE AND GATE.
 - 11 RELOCATE ECOLOGY BLOCKS.
 - 12 EXISTING STRUCTURE TO BE ADJUSTED TO FINISHED GRADE BY OTHERS.
 - 13 REMOVE DRAINAGE STRUCTURE.
 - 14 REMOVE EXISTING TREE. SEE GENERAL NOTE 2.
 - 15 PROTECT EXISTING TREE. REFER TO THE SPECIAL PROVISIONS AND SEE DET 1 FOR INSTALLATION OF ROOT BARRIER.
 - 16 ADJUST EXISTING WATER VALVE MANHOLE TO FINISHED GRADE. REPLACE EXISTING COVER WITH SLIP-RESISTANT, ADA-COMPLIANT COVER. SEE SPECIAL PROVISIONS.
 - 17 ADJUST WATER METER BOX TO FINISHED GRADE.
 - 18 PROTECT EXISTING STRUCTURE IN PLACE.
- TESC CONTROL NOTES:**
- 1 INSTALL STORM DRAIN INLET PROTECTION IN ACCORDANCE WITH WSDOT STD. PLAN 1-40.20-00.
 - 2 NOT USED.
 - 3 INSTALL SILT FENCE IN ACCORDANCE WITH WSDOT STD. PLAN 1-30.15-01.
 - 4 INSTALL HIGH VISIBILITY FENCE IN ACCORDANCE WITH WSDOT STD. PLAN 1.10.10-01.
 - 5 INSTALL TEMPORARY BYPASS TO DIVERT WATER AROUND WORK ZONE. PROTECT DISCHARGE AREA FROM EROSION WITH PLASTIC SHEETING.
 - 6 SANDBAG DAM. DEWATER CONSTRUCTION AREA DURING CULVERT WORK.

- GENERAL NOTES:**
1. SEE PLAN AND PROFILE SHEETS C1-C15 FOR SIGN REMOVAL AND RELOCATION.
 2. CUT OR GRIND STUMP NO MORE THAN 18" BELOW FINISHED GRADE. EQUIPMENT THAT DISTURBS SOILS BELOW THIS LIMIT WILL NOT BE ALLOWED.
 3. THE TRAIL SEGMENT LOCATED BETWEEN STA 1+00 AND 6+50 IS LOCATED ON AN ARCHAEOLOGICAL SITE. THE CONTRACTOR IS ALERTED TO SECTION 1-07.16(4) OF THE STANDARD SPECIFICATIONS.
 4. SAWCUT EXISTING ASPHALT PAVEMENT 1' FROM EXISTING FACE OF GUTTER OR FACE OF CURB (WHEN NO GUTTER IS PRESENT), OR AS STATIONED ON THE PLAN.

- LEGEND:**
- SAWCUT
 - DRAINAGE THRESHOLD DISCHARGE AREA ID NO.
 - TDA BOUNDARY
 - CEMENT CONC. SIDEWALK REMOVAL
 - PLANING BITUMINOUS PAVEMENT
 - SCARIFY CONC. SURFACE, SEE DETAIL 1 CS1
 - ASPHALT CONC. PAVEMENT REMOVAL
 - HIGH VISIBILITY FENCE
 - SILT FENCE

**60% REVIEW SUBMITTAL
NOT FOR CONSTRUCTION**

REVISIONS	DATE	BY	DESIGNED
			J. DVORAK
			M. MILLER
			Y. HO
			C. SCHOTT

**ONE INCH AT FULL SCALE.
IF NOT, SCALE ACCORDINGLY.**
 FILE NAME: BL1521084PAT2T2DM-1
 JOB No.: 5541521084PBT2C
 DATE: JUNE 2013

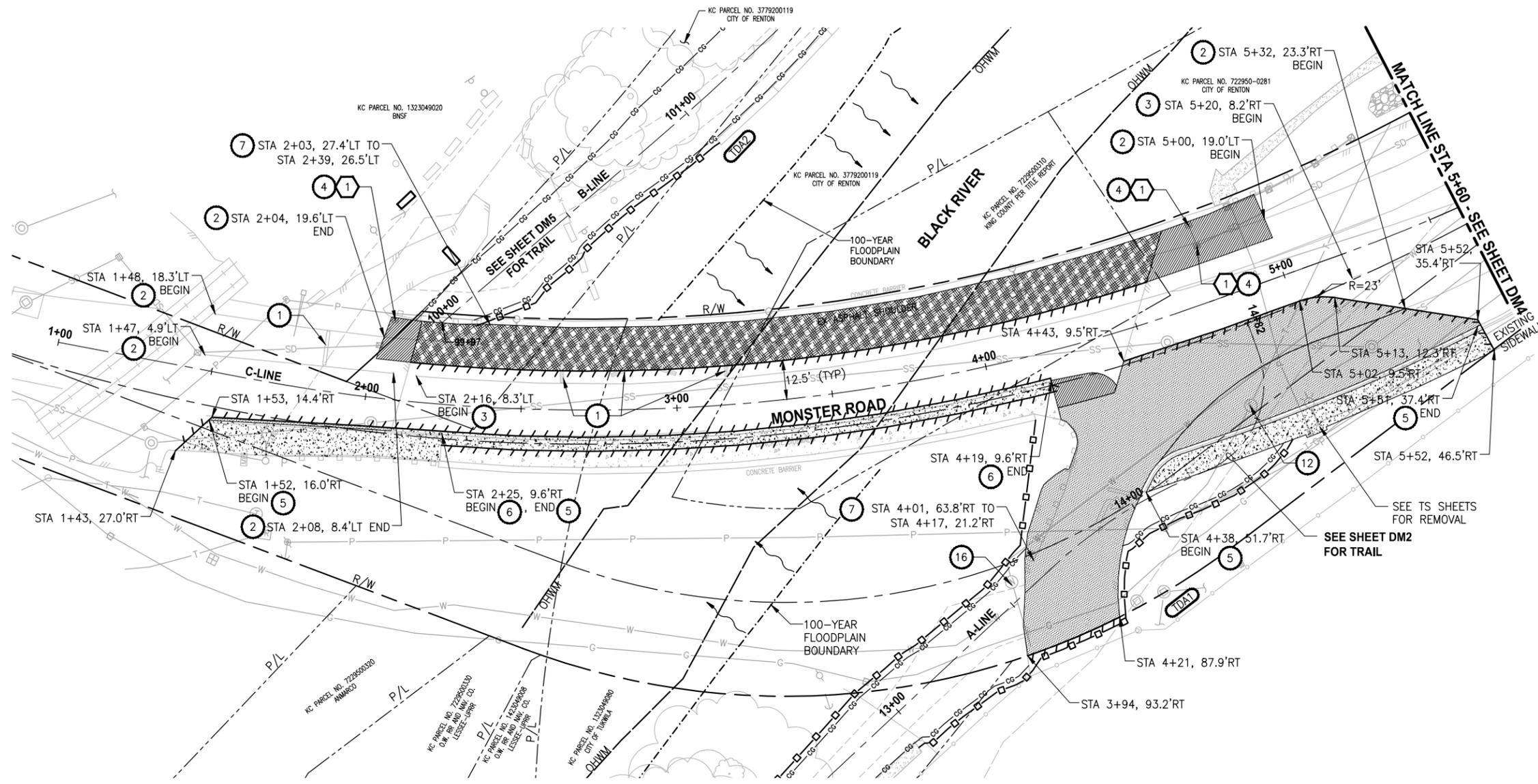
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PROJECT NAME
**LAKE TO SOUND TRAIL
SEGMENT A**
 GREEN RIVER TRAIL TO NACHES AVE SW

**DEMOLITION AND
TESC PLAN**
 DRAWING NO.
10 OF 45
DM2

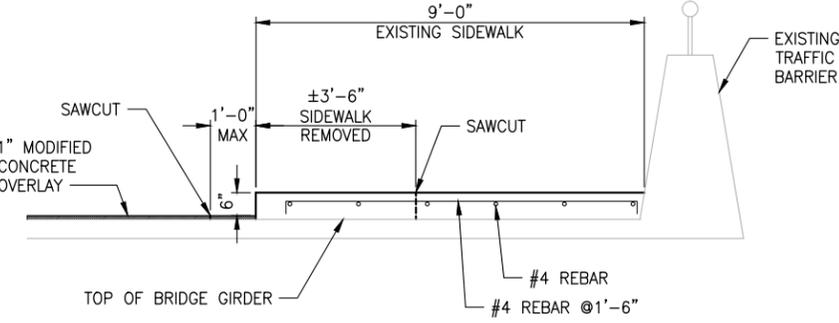
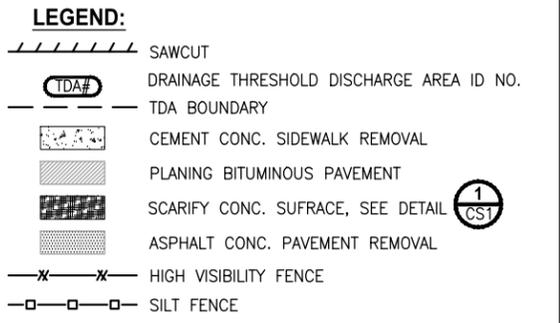
PATH: U:\Bell\Projects\Clients\1521-King_City\554-1521-084-L2ST\95\95\95\CADD\Phase A\Task 27200C\Draw\ LAYOUT: DM3
 PLOTTED BY: purgebut DATE: Wednesday, October 09, 2013 12:12:48 PM



- DEMOLITION NOTES:**
- 1 REMOVE PLASTIC TRAFFIC MARKING.
 - 2 REMOVE PAINT LINE.
 - 3 REMOVE RAISED PAVEMENT MARKER. FILL PAVEMENT DEPRESSION WITH LOOP SEALANT.
 - 4 ADJUST CATCH BASIN OR MANHOLE TO FINISHED GRADE.
 - 5 REMOVE CEMENT CONC. CURB AND GUTTER AND SIDEWALK.
 - 6 REMOVE CEMENT CONC. SIDEWALK. SEE DETAIL 1, SHEET DM3.
 - 7 REMOVE BEAM GUARDRAIL.
 - 8 REMOVE AND DISPOSE OF ECOLOGY BLOCKS.
 - 9 REMOVE METAL GATE. SALVAGE TO LOCATION PER THE ENGINEER'S DISCRETION.
 - 10 REMOVE AND DISPOSE OF CHAIN LINK FENCE AND GATE.
 - 11 RELOCATE ECOLOGY BLOCKS.
 - 12 EXISTING STRUCTURE TO BE ADJUSTED TO FINISHED GRADE BY OTHERS.
 - 13 REMOVE DRAINAGE STRUCTURE.
 - 14 REMOVE EXISTING TREE. SEE GENERAL NOTE 2.
 - 15 PROTECT EXISTING TREE. REFER TO THE SPECIAL PROVISIONS AND SEE DET 1 FOR INSTALLATION OF ROOT BARRIER.
 - 16 ADJUST EXISTING WATER VALVE MANHOLE TO FINISHED GRADE. REPLACE EXISTING COVER WITH SLIP-RESISTANT, ADA-COMPLIANT COVER. SEE SPECIAL PROVISIONS.
 - 17 ADJUST WATER METER BOX TO FINISHED GRADE.
 - 18 PROTECT EXISTING STRUCTURE IN PLACE.

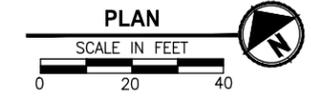
- TESC CONTROL NOTES:**
- 1 INSTALL STORM DRAIN INLET PROTECTION IN ACCORDANCE WITH WSDOT STD. PLAN 1-40.20-00.
 - 2 NOT USED.
 - 3 INSTALL SILT FENCE IN ACCORDANCE WITH WSDOT STD. PLAN 1-30.15-01.
 - 4 INSTALL HIGH VISIBILITY FENCE IN ACCORDANCE WITH WSDOT STD. PLAN 1.10.10-01.
 - 5 INSTALL TEMPORARY BYPASS TO DIVERT WATER AROUND WORK ZONE. PROTECT DISCHARGE AREA FROM EROSION WITH PLASTIC SHEETING.
 - 6 SANDBAG DAM. DEWATER CONSTRUCTION AREA DURING CULVERT WORK.

- GENERAL NOTES:**
1. SEE PLAN AND PROFILE SHEETS C1-C15 FOR SIGN REMOVAL AND RELOCATION.
 2. CUT OR GRIND STUMP NO MORE THAN 18" BELOW FINISHED GRADE. EQUIPMENT THAT DISTURBS SOILS BELOW THIS LIMIT WILL NOT BE ALLOWED.
 3. THE TRAIL SEGMENT LOCATED BETWEEN STA 1+00 AND 6+50 IS LOCATED ON AN ARCHAEOLOGICAL SITE. THE CONTRACTOR IS ALERTED TO SECTION 1-07.16(4) OF THE STANDARD SPECIFICATIONS.
 4. SAWCUT EXISTING ASPHALT PAVEMENT 1' FROM EXISTING FACE OF GUTTER OR FACE OF CURB (WHEN NO GUTTER IS PRESENT), OR AS STATIONED ON THE PLAN.



- NOTES:**
1. ADJUST SAWCUT DEPTHS TO 3/4" MAX TO AVOID DAMAGE TO BRIDGE GIRDER.
 2. REMOVE 3'-6" CONCRETE SIDEWALK SECTION BY HAND, IF NECESSARY. SAWCUT AND REMOVAL OF 1'-0" OVERLAY SECTION SHALL BE AT THE DISCRETION OF THE ENGINEER BASED ON THE CONDITION OF THE OVERLAY AFTER SIDEWALK REMOVAL.

SIDEWALK REMOVAL DETAIL
NO SCALE



REVISIONS	DATE	BY	DESIGNED
			J. DVORAK
			M. MILLER
			Y. HO
			C. SCHOTT

ONE INCH AT FULL SCALE, IF NOT, SCALE ACCORDINGLY

FILE NAME: BL1521084PAT2T2DM-1
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DRAFT

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PROJECT NAME
LAKE TO SOUND TRAIL SEGMENT A

GREEN RIVER TRAIL TO NACHES AVE SW

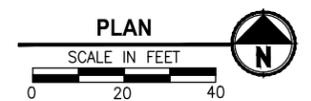
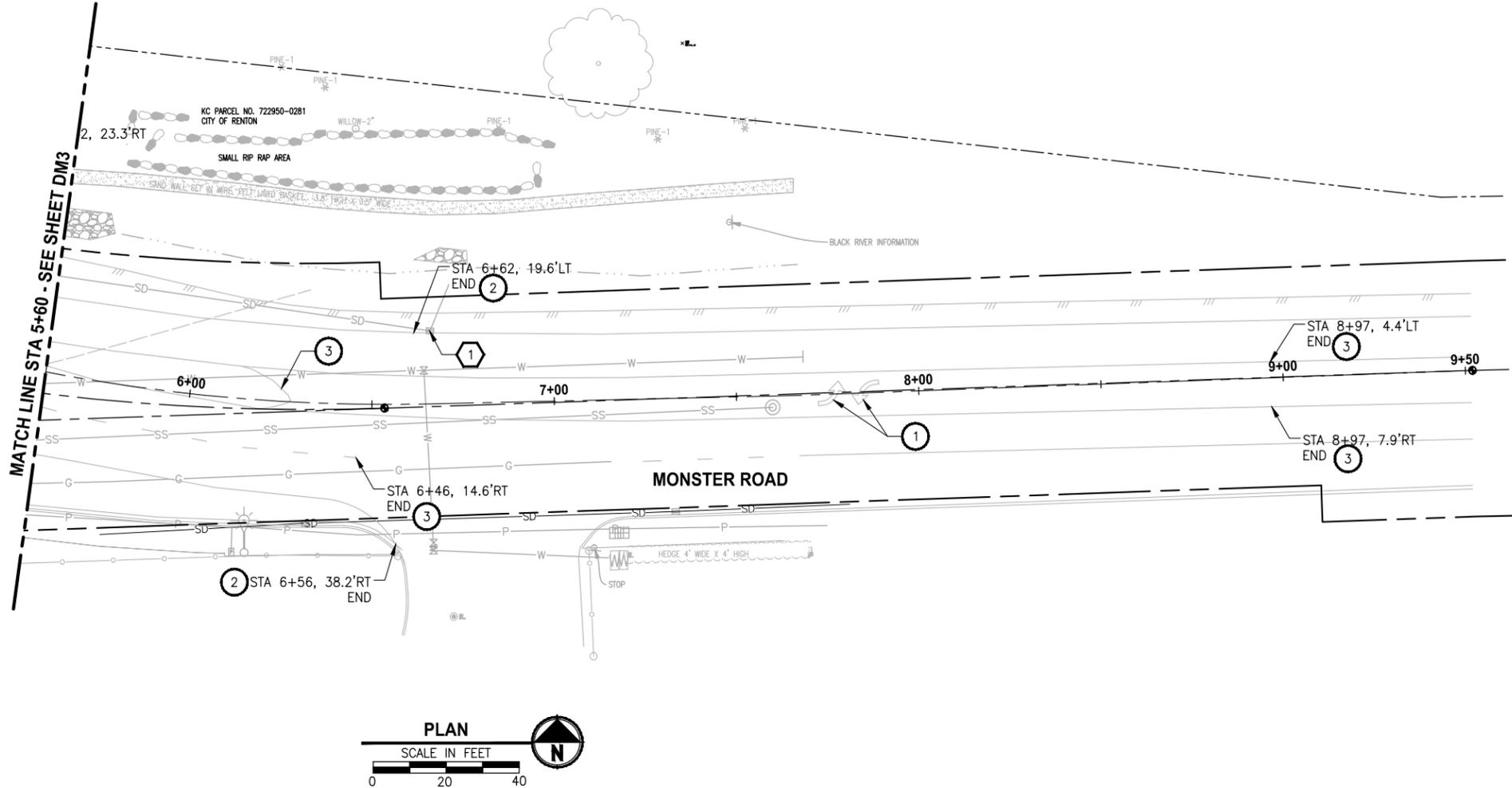
DEMOLITION AND TESC PLAN

DRAWING NO.
11 OF 45

DM3

60% REVIEW SUBMITTAL
NOT FOR CONSTRUCTION

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- DEMOLITION NOTES:**
- 1 REMOVE PLASTIC TRAFFIC MARKING.
 - 2 REMOVE PAINT LINE.
 - 3 REMOVE RAISED PAVEMENT MARKER. FILL PAVEMENT DEPRESSION WITH LOOP SEALANT.
 - 4 ADJUST CATCH BASIN OR MANHOLE TO FINISHED GRADE.
 - 5 REMOVE CEMENT CONC. CURB AND GUTTER AND SIDEWALK.
 - 6 REMOVE CEMENT CONC. SIDEWALK. SEE DETAIL 1, SHEET DM3.
 - 7 REMOVE BEAM GUARDRAIL.
 - 8 REMOVE AND DISPOSE OF ECOLOGY BLOCKS.
 - 9 REMOVE METAL GATE. SALVAGE TO LOCATION PER THE ENGINEER'S DISCRETION.
 - 10 REMOVE AND DISPOSE OF CHAIN LINK FENCE AND GATE.
 - 11 RELOCATE ECOLOGY BLOCKS.
 - 12 EXISTING STRUCTURE TO BE ADJUSTED TO FINISHED GRADE BY OTHERS.
 - 13 REMOVE DRAINAGE STRUCTURE.
 - 14 REMOVE EXISTING TREE. SEE GENERAL NOTE 2.
 - 15 PROTECT EXISTING TREE. REFER TO THE SPECIAL PROVISIONS AND SEE DETAIL 1 FOR INSTALLATION OF ROOT BARRIER.
 - 16 ADJUST EXISTING WATER VALVE MANHOLE TO FINISHED GRADE. REPLACE EXISTING COVER WITH SLIP-RESISTANT, ADA-COMPLIANT COVER. SEE SPECIAL PROVISIONS.
 - 17 ADJUST WATER METER BOX TO FINISHED GRADE.
 - 18 PROTECT EXISTING STRUCTURE IN PLACE.

- TESC CONTROL NOTES:**
- 1 INSTALL STORM DRAIN INLET PROTECTION IN ACCORDANCE WITH WSDOT STD. PLAN 1-40.20-00.
 - 2 NOT USED.
 - 3 INSTALL SILT FENCE IN ACCORDANCE WITH WSDOT STD. PLAN 1-30.15-01.
 - 4 INSTALL HIGH VISIBILITY FENCE IN ACCORDANCE WITH WSDOT STD. PLAN 1.10.10-01.
 - 5 INSTALL TEMPORARY BYPASS TO DIVERT WATER AROUND WORK ZONE. PROTECT DISCHARGE AREA FROM EROSION WITH PLASTIC SHEETING.
 - 6 SANDBAG DAM. DEWATER CONSTRUCTION AREA DURING CULVERT WORK.

- GENERAL NOTES:**
1. SEE PLAN AND PROFILE SHEETS C1-C15 FOR SIGN REMOVAL AND RELOCATION.
 2. CUT OR GRIND STUMP NO MORE THAN 18" BELOW FINISHED GRADE. EQUIPMENT THAT DISTURBS SOILS BELOW THIS LIMIT WILL NOT BE ALLOWED.
 3. THE TRAIL SEGMENT LOCATED BETWEEN STA 1+00 AND 6+50 IS LOCATED ON AN ARCHAEOLOGICAL SITE. THE CONTRACTOR IS ALERTED TO SECTION 1-07.16(4) OF THE STANDARD SPECIFICATIONS.
 4. SAWCUT EXISTING ASPHALT PAVEMENT 1' FROM EXISTING FACE OF GUTTER OR FACE OF CURB (WHEN NO GUTTER IS PRESENT), OR AS STATIONED ON THE PLAN.

- LEGEND:**
- SAWCUT
 - DRAINAGE THRESHOLD DISCHARGE AREA ID NO.
 - TDA BOUNDARY
 - CEMENT CONC. SIDEWALK REMOVAL
 - PLANING BITUMINOUS PAVEMENT
 - SCARIFY CONC. SURFACE, SEE DETAIL 1 CS1
 - ASPHALT CONC. PAVEMENT REMOVAL
 - HIGH VISIBILITY FENCE
 - SILT FENCE

**60 % REVIEW SUBMITTAL
NOT FOR CONSTRUCTION**

REVISIONS	DATE	BY	DESIGNED
			J. DVORAK
			M. MILLER
			Y. HO
			C. SCHOTT

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PROJECT NAME
**LAKE TO SOUND TRAIL
SEGMENT A**
 GREEN RIVER TRAIL TO NACHES AVE SW

**DEMOLITION AND
TESC PLAN**

DRAWING NO.
 12 OF 45
DM4

PATH: U:\Bell\Projects\Clients\1521-King City\554-1521-084-L2ST\95\95\95\95\CADD\Phase A\Task 27200C\Draw\ PLOTTED BY: purgabout DATE: Wednesday, October 09, 2013 12:14:07 PM LAYOUT: DM6

MATCH LINE STA 108+75 - SEE SHEET DM5

MATCH LINE STA 113+50

MATCH LINE STA 113+50

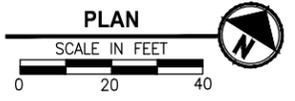
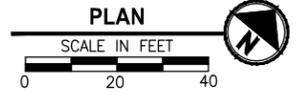
MATCH LINE STA 118+50 - SEE SHEET C9

KC PARCEL NO. 1323049020
BNSF

KC PARCEL NO. 3779200119
CITY OF RENTON

KC PARCEL NO. 1323049020
BNSF

KC PARCEL NO. 3779200118
CITY OF RENTON



DEMOLITION NOTES:

- 1 REMOVE PLASTIC TRAFFIC MARKING.
- 2 REMOVE PAINT LINE.
- 3 REMOVE RAISED PAVEMENT MARKER. FILL PAVEMENT DEPRESSION WITH LOOP SEALANT.
- 4 ADJUST CATCH BASIN OR MANHOLE TO FINISHED GRADE.
- 5 REMOVE CEMENT CONC. CURB AND GUTTER AND SIDEWALK.
- 6 REMOVE CEMENT CONC. SIDEWALK. SEE DETAIL 1, SHEET DM3.
- 7 REMOVE BEAM GUARDRAIL.
- 8 REMOVE AND DISPOSE OF ECOLOGY BLOCKS.
- 9 REMOVE METAL GATE. SALVAGE TO LOCATION PER THE ENGINEER'S DISCRETION.
- 10 REMOVE AND DISPOSE OF CHAIN LINK FENCE AND GATE.
- 11 RELOCATE ECOLOGY BLOCKS.
- 12 EXISTING STRUCTURE TO BE ADJUSTED TO FINISHED GRADE BY OTHERS.
- 13 REMOVE DRAINAGE STRUCTURE.
- 14 REMOVE EXISTING TREE. SEE GENERAL NOTE 2.
- 15 PROTECT EXISTING TREE. REFER TO THE SPECIAL PROVISIONS AND SEE DET 1 D3 FOR INSTALLATION OF ROOT BARRIER.
- 16 ADJUST EXISTING WATER VALVE MANHOLE TO FINISHED GRADE. REPLACE EXISTING COVER WITH SLIP-RESISTANT, ADA-COMPLIANT COVER. SEE SPECIAL PROVISIONS.
- 17 ADJUST WATER METER BOX TO FINISHED GRADE.
- 18 PROTECT EXISTING STRUCTURE IN PLACE.

TESC CONTROL NOTES:

- 1 INSTALL STORM DRAIN INLET PROTECTION IN ACCORDANCE WITH WSDOT STD. PLAN 1-40.20-00.
- 2 NOT USED.
- 3 INSTALL SILT FENCE IN ACCORDANCE WITH WSDOT STD. PLAN 1-30.15-01.
- 4 INSTALL HIGH VISIBILITY FENCE IN ACCORDANCE WITH WSDOT STD. PLAN 1.10.10-01.
- 5 INSTALL TEMPORARY BYPASS TO DIVERT WATER AROUND WORK ZONE. PROTECT DISCHARGE AREA FROM EROSION WITH PLASTIC SHEETING.
- 6 SANDBAG DAM. DEWATER CONSTRUCTION AREA DURING CULVERT WORK.

GENERAL NOTES:

1. SEE PLAN AND PROFILE SHEETS C1-C15 FOR SIGN REMOVAL AND RELOCATION.
2. CUT OR GRIND STUMP NO MORE THAN 18" BELOW FINISHED GRADE. EQUIPMENT THAT DISTURBS SOILS BELOW THIS LIMIT WILL NOT BE ALLOWED.
3. THE TRAIL SEGMENT LOCATED BETWEEN STA 1+00 AND 6+50 IS LOCATED ON AN ARCHAEOLOGICAL SITE. THE CONTRACTOR IS ALERTED TO SECTION 1-07.16(4) OF THE STANDARD SPECIFICATIONS.
4. SAWCUT EXISTING ASPHALT PAVEMENT 1' FROM EXISTING FACE OF GUTTER OR FACE OF CURB (WHEN NO GUTTER IS PRESENT), OR AS STATIONED ON THE PLAN.

LEGEND:

- SAWCUT
- DRAINAGE THRESHOLD DISCHARGE AREA ID NO.
- TDA BOUNDARY
- CEMENT CONC. SIDEWALK REMOVAL
- PLANING BITUMINOUS PAVEMENT
- SCARIFY CONC. SURFACE, SEE DETAIL 1 CS1
- ASPHALT CONC. PAVEMENT REMOVAL
- HIGH VISIBILITY FENCE
- SILT FENCE

**60% REVIEW SUBMITTAL
NOT FOR CONSTRUCTION**

REVISIONS	DATE	BY	DESIGNED
			J. DVORAK
			M. MILLER
			Y. HO
			C. SCHOTT

**ONE INCH AT FULL SCALE.
IF NOT, SCALE ACCORDINGLY**

FILE NAME
BL1521084PAT2T2DM-1

JOB No.
5941521084PBT2C

DATE
JUNE 2013

DRAFT

Parametrix
ENGINEERING, PLANNING, ENVIRONMENTAL SCIENCES

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BELLEVUE, WASHINGTON 98004
T. 425.459.6200 F. 425.459.6363
www.parametrix.com

PROJECT NAME
**LAKE TO SOUND TRAIL
SEGMENT A**

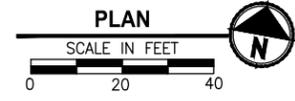
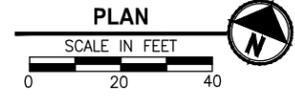
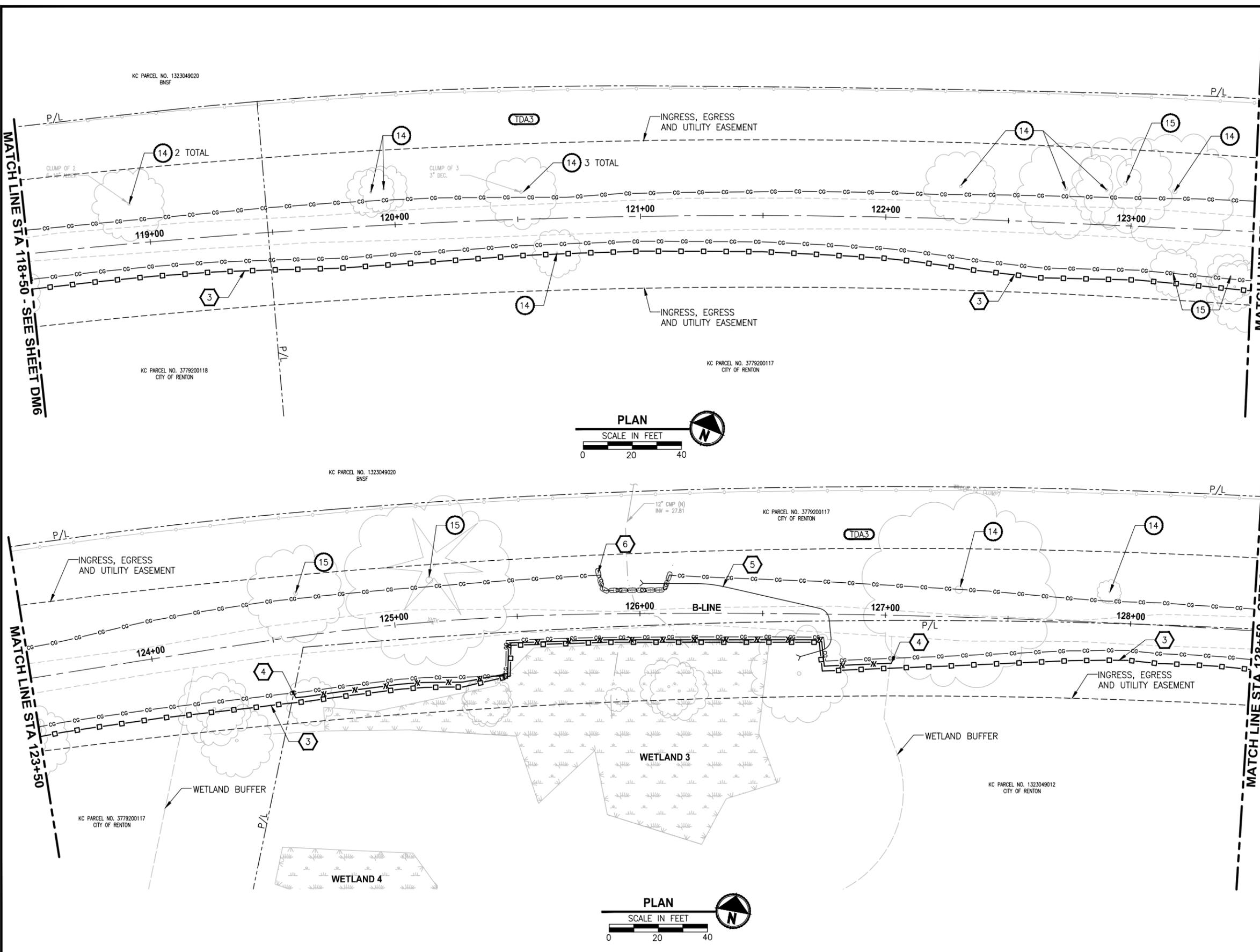
GREEN RIVER TRAIL TO NACHES AVE SW

**DEMOLITION AND
TESC PLAN**

DRAWING NO.
14 OF 45

DM6

PATH: U:\Bell\Projects\Clients\1521-King_City\554-1521-084-L2ST\99Sves\CADD\Phase A\Task_27200C.Dwg
 PLOTTED BY: purgebut DATE: Wednesday, October 09, 2013 12:14:38 PM
 LAYOUT: DM7



- DEMOLITION NOTES:**
- 1 REMOVE PLASTIC TRAFFIC MARKING.
 - 2 REMOVE PAINT LINE.
 - 3 REMOVE RAISED PAVEMENT MARKER. FILL PAVEMENT DEPRESSION WITH LOOP SEALANT.
 - 4 ADJUST CATCH BASIN OR MANHOLE TO FINISHED GRADE.
 - 5 REMOVE CEMENT CONC. CURB AND GUTTER AND SIDEWALK.
 - 6 REMOVE CEMENT CONC. SIDEWALK. SEE DETAIL 1, SHEET DM3.
 - 7 REMOVE BEAM GUARDRAIL.
 - 8 REMOVE AND DISPOSE OF ECOLOGY BLOCKS.
 - 9 REMOVE METAL GATE. SALVAGE TO LOCATION PER THE ENGINEER'S DISCRETION.
 - 10 REMOVE AND DISPOSE OF CHAIN LINK FENCE AND GATE.
 - 11 RELOCATE ECOLOGY BLOCKS.
 - 12 EXISTING STRUCTURE TO BE ADJUSTED TO FINISHED GRADE BY OTHERS.
 - 13 REMOVE DRAINAGE STRUCTURE.
 - 14 REMOVE EXISTING TREE. SEE GENERAL NOTE 2.
 - 15 PROTECT EXISTING TREE. REFER TO THE SPECIAL PROVISIONS AND SEE DET 1 FOR INSTALLATION OF ROOT BARRIER.
 - 16 ADJUST EXISTING WATER VALVE MANHOLE TO FINISHED GRADE. REPLACE EXISTING COVER WITH SLIP-RESISTANT, ADA-COMPLIANT COVER. SEE SPECIAL PROVISIONS.
 - 17 ADJUST WATER METER BOX TO FINISHED GRADE.
 - 18 PROTECT EXISTING STRUCTURE IN PLACE.

- TESC CONTROL NOTES:**
- 1 INSTALL STORM DRAIN INLET PROTECTION IN ACCORDANCE WITH WSDOT STD. PLAN 1-40.20-00.
 - 2 NOT USED.
 - 3 INSTALL SILT FENCE IN ACCORDANCE WITH WSDOT STD. PLAN 1-30.15-01.
 - 4 INSTALL HIGH VISIBILITY FENCE IN ACCORDANCE WITH WSDOT STD. PLAN 1.10.10-01.
 - 5 INSTALL TEMPORARY BYPASS TO DIVERT WATER AROUND WORK ZONE. PROTECT DISCHARGE AREA FROM EROSION WITH PLASTIC SHEETING.
 - 6 SANDBAG DAM. DEWATER CONSTRUCTION AREA DURING CULVERT WORK.

- GENERAL NOTES:**
1. SEE PLAN AND PROFILE SHEETS C1-C15 FOR SIGN REMOVAL AND RELOCATION.
 2. CUT OR GRIND STUMP NO MORE THAN 18" BELOW FINISHED GRADE. EQUIPMENT THAT DISTURBS SOILS BELOW THIS LIMIT WILL NOT BE ALLOWED.
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- LEGEND:**
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 - DRAINAGE THRESHOLD DISCHARGE AREA ID NO.
 - TDA BOUNDARY
 - CEMENT CONC. SIDEWALK REMOVAL
 - PLANING BITUMINOUS PAVEMENT
 - SCARIFY CONC. SURFACE, SEE DETAIL 1 CS1
 - ASPHALT CONC. PAVEMENT REMOVAL
 - HIGH VISIBILITY FENCE
 - SILT FENCE

**60% REVIEW SUBMITTAL
NOT FOR CONSTRUCTION**

REVISIONS	DATE	BY	DESIGNED
			J. DVORAK
			M. MILLER
			Y. HO
			C. SCHOTT

**ONE INCH AT FULL SCALE.
IF NOT, SCALE ACCORDINGLY**
 FILE NAME
 BL1521084PAT2T2DM-1
 JOB No.
 5541521084PBT2C
 DATE
 JUNE 2013

DRAFT

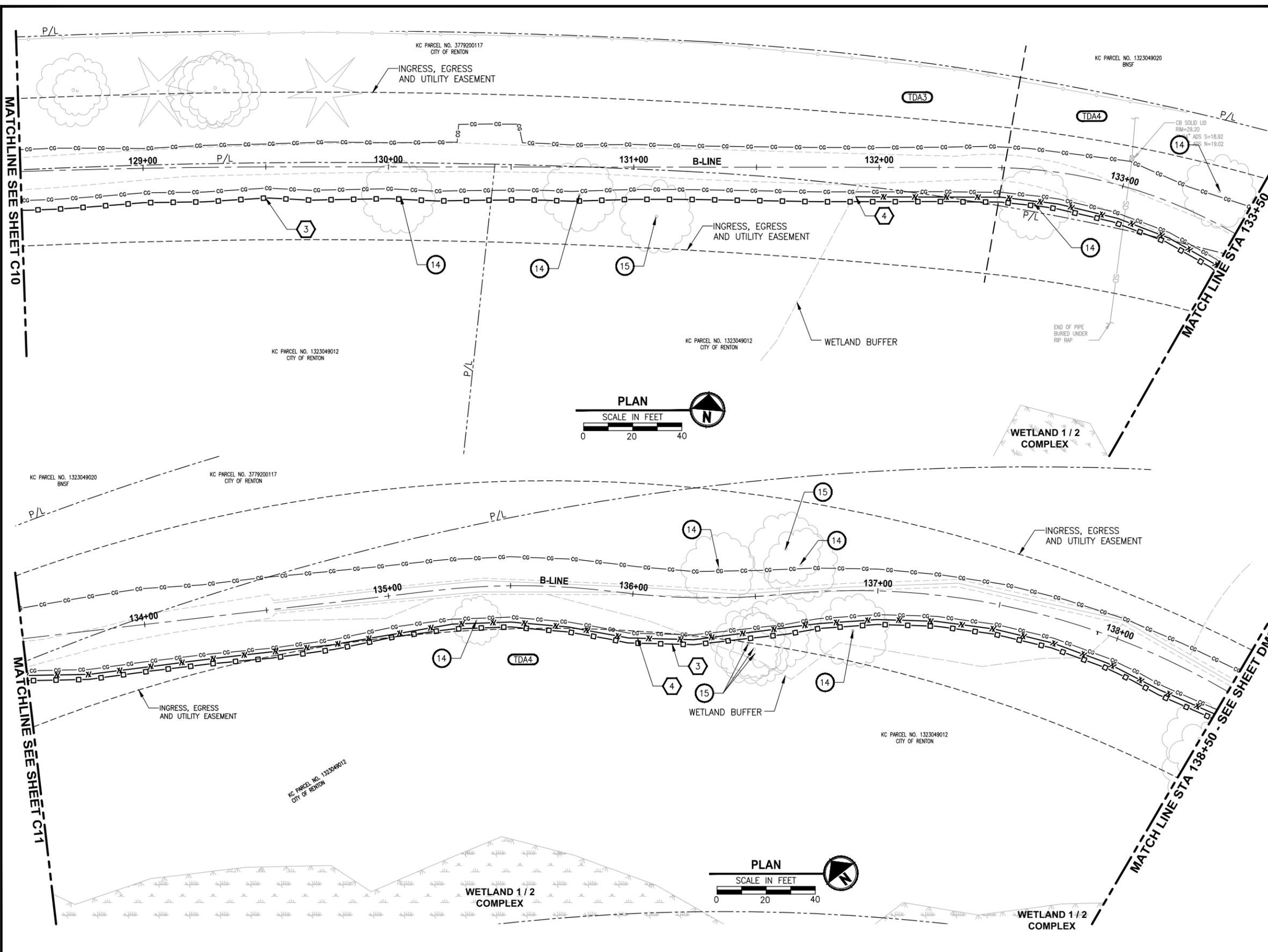
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 411 108TH AVENUE N.E., SUITE 1800
 BELLEVUE, WASHINGTON 98004
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 www.parametrix.com

PROJECT NAME
**LAKE TO SOUND TRAIL
SEGMENT A**
 GREEN RIVER TRAIL TO NACHES AVE SW

**DEMOLITION AND
TESC PLAN**

DRAWING NO.
 15 OF 45
DM7

PLOTTED BY: purgubut DATE: Wednesday, October 09, 2013 12:15:07 PM
 PATH: U:\Bell\Projects\Clients\1521-King City\554-1521-084-L2ST\99Sves\CADD\Phase A\Task 27200C\Drawg\



- DEMOLITION NOTES:**
- 1 REMOVE PLASTIC TRAFFIC MARKING.
 - 2 REMOVE PAINT LINE.
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 - 8 REMOVE AND DISPOSE OF ECOLOGY BLOCKS.
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**60% REVIEW SUBMITTAL
NOT FOR CONSTRUCTION**

REVISIONS	DATE	BY	DESIGNED
			J. DVORAK
			M. MILLER
			Y. HO
			C. SCHOTT

**ONE INCH AT FULL SCALE.
IF NOT, SCALE ACCORDINGLY**
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 JOB No.
 5541521084PBT2C
 DATE
 JUNE 2013

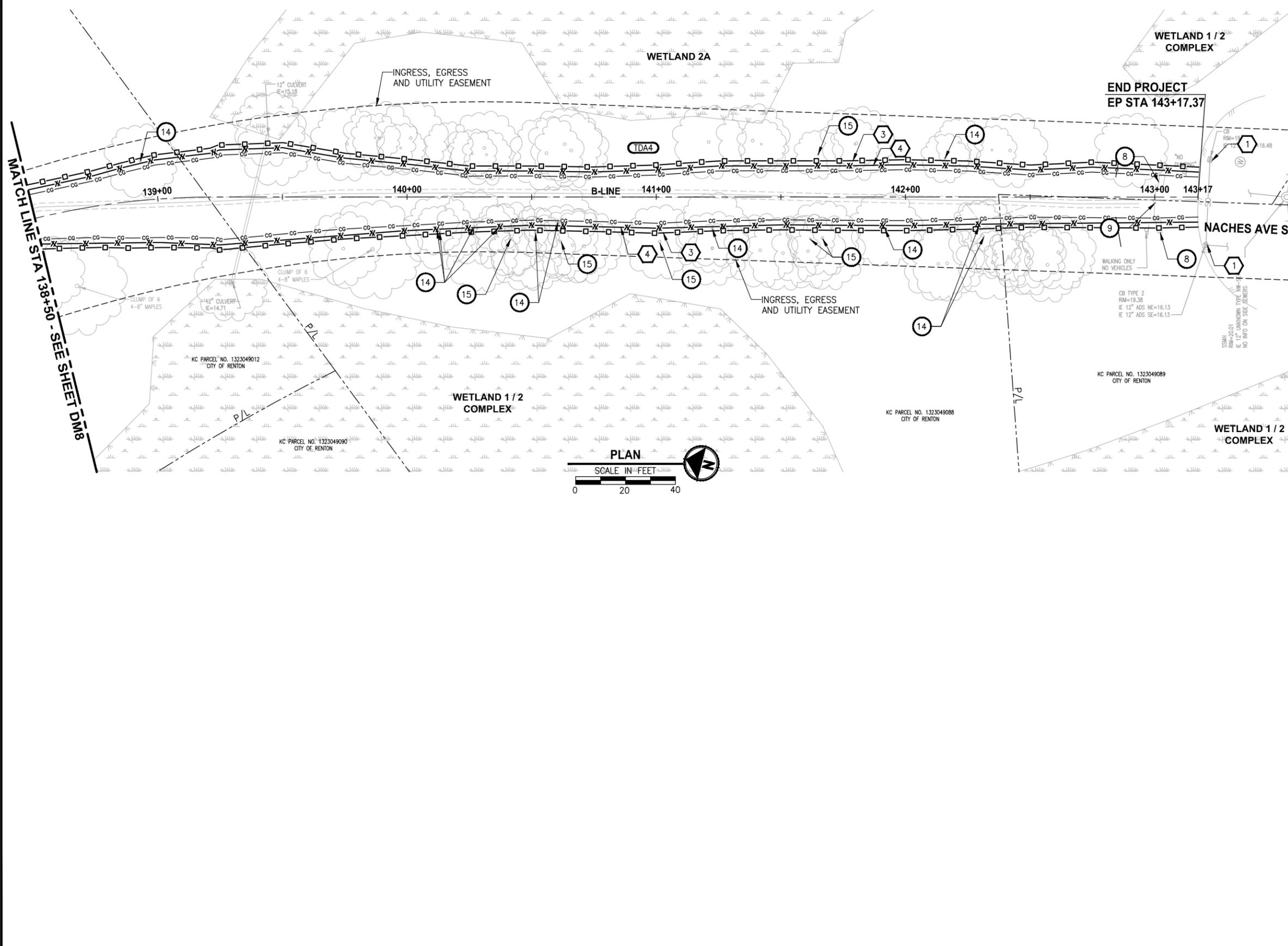
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PROJECT NAME
**LAKE TO SOUND TRAIL
SEGMENT A**
 GREEN RIVER TRAIL TO NACHES AVE SW

**DEMOLITION AND
TESC PLAN**
 DRAWING NO.
 16 OF 45
DM8

LAYOUT: DM9
 PATH: U:\Bell\Projects\Clients\1521-King_City\554-1521-084-L2ST\95\SS\CA\Phase A\Task 27200C\Draw\...
 PLOTTED BY: purgobut DATE: Wednesday, October 09, 2013 12:15:28 PM



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 - HIGH VISIBILITY FENCE
 - SILT FENCE

**60% REVIEW SUBMITTAL
NOT FOR CONSTRUCTION**

REVISIONS	DATE	BY	DESIGNED
			J. DVORAK
			M. MILLER
			Y. HO
			C. SCHOTT

**ONE INCH AT FULL SCALE.
IF NOT, SCALE ACCORDINGLY**
 FILE NAME
 BL1521084PAT2T2DM-1
 JOB No.
 5541521084PBT2C
 DATE
 JUNE 2013

DRAFT

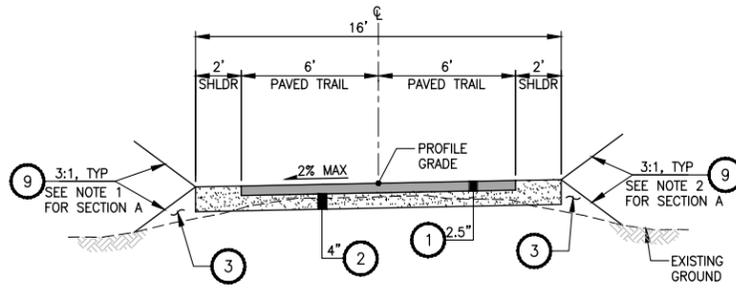
Parametrix
 ENGINEERING, PLANNING, ENVIRONMENTAL SCIENCES
 411 108TH AVENUE N.E., SUITE 1800
 BELLEVUE, WASHINGTON 98004
 T: 425.459.8200 F: 425.459.8363
 www.parametrix.com

PROJECT NAME
**LAKE TO SOUND TRAIL
SEGMENT A**
 GREEN RIVER TRAIL TO NACHES AVE SW

**DEMOLITION AND
TESC PLAN**

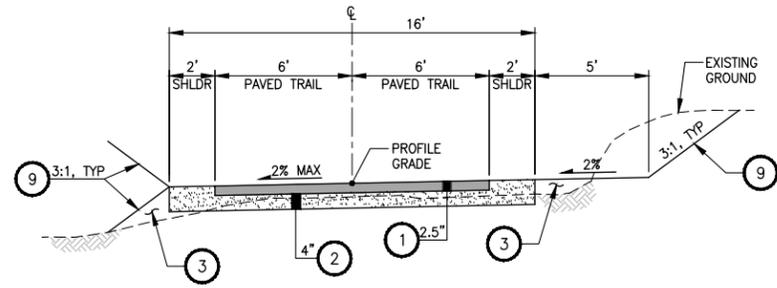
DRAWING NO.
 17 OF 45
DM9

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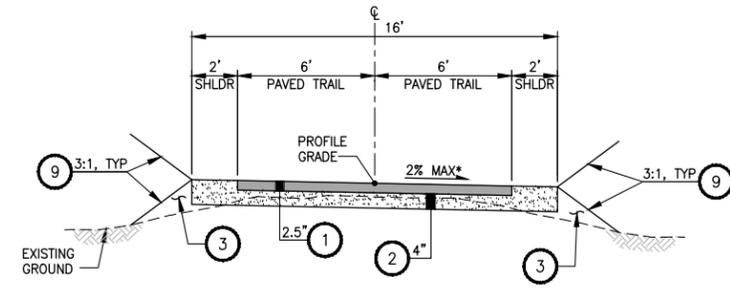


A-LINE STA 1+00 TO 10+36
A-LINE STA 11+25 TO 14+69
B-LINE STA 102+00 TO 106+15
TYPICAL SECTION A
 NO SCALE

- SECTION A NOTES:**
- 0.5% FROM A-LINE STA 4+30 LT TO STA 4+75 LT.
 - 2:1 FROM A-LINE STA 11+50 RT TO STA 13+00 RT.
 - B-LINE TRANSITIONS FROM SECTION C AT STA 101+40 TO SECTION A AT STA 102+00.
 - B-LINE TRANSITIONS FROM SECTION A AT STA 106+15 TO SECTION C AT STA 106+75.



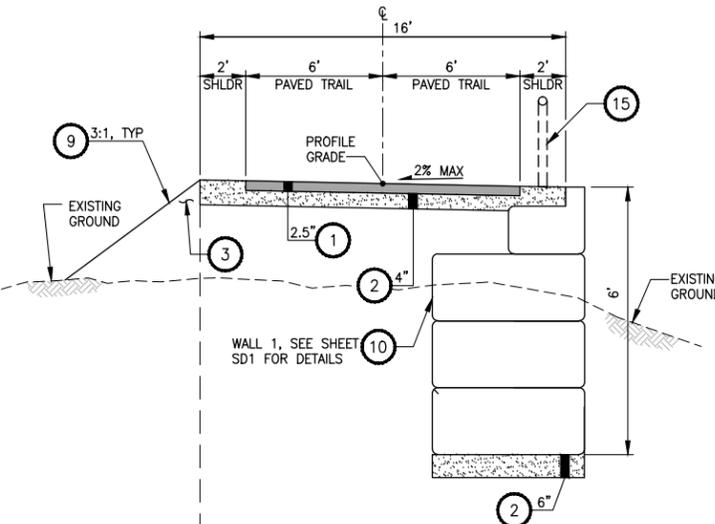
A-LINE STA 10+36 TO 11+25
TYPICAL SECTION B
 NO SCALE



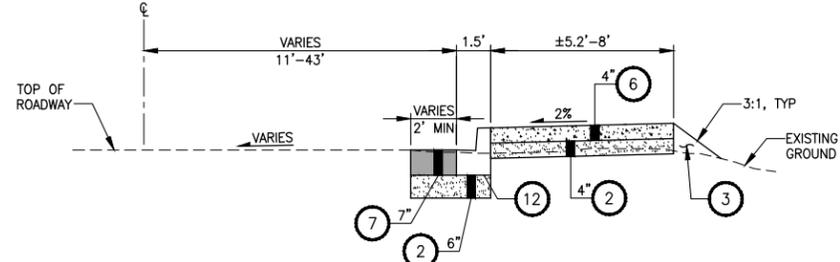
B-LINE STA 100+00 TO 101+40
B-LINE STA 106+75 TO 125+45
B-LINE STA 126+75 TO 143+18
TYPICAL SECTION C
 NO SCALE

* SEE NOTES 3 AND 4 FOR SECTION A

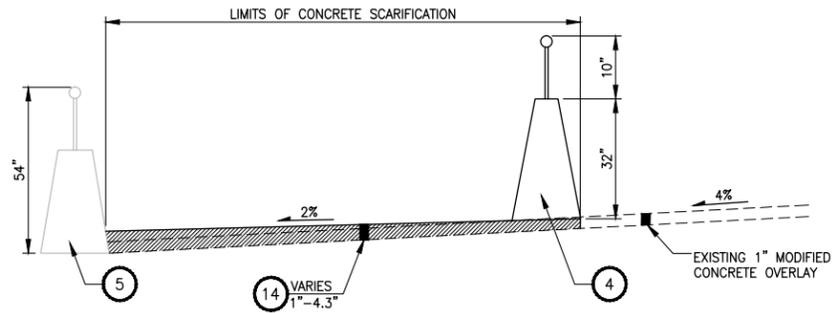
- CONSTRUCTION NOTES:**
- HMA CL. 3/8" PG 64-22.
 - CRUSHED SURFACING TOP COURSE.
 - SELECT BORROW INCL. HAUL.
 - CAST-IN-PLACE SINGLE SLOPE CONCRETE BARRIER PER WSDOT STD. PLAN C-80.10-00.
 - EXISTING CONCRETE BARRIER AND BRIDGE RAIL.
 - CEMENT CONCRETE SIDEWALK PER WSDOT STD PLAN F-30.10-01.
 - HMA CL. 1/2" PG 64-22.
 - NOT USED
 - 4" TOPSOIL TYPE A AND SEEDING AND FERTILIZING BY HAND.
 - GRAVITY BLOCK WALL.
 - PEDESTRIAN RAILING PER APPENDIX 10.5-A1 OF THE WSDOT BRIDGE DESIGN MANUAL.
 - CEMENT CONC TRAFFIC CURB AND GUTTER PER WSDOT STD PLAN F-10.12-02.
 - CEMENT CONC TRAFFIC CURB PER DETAIL 2, THIS SHEET.
 - MODIFIED CONCRETE OVERLAY
 - 4" HIGH TYPE 4 FENCE PER WSDOT STD PLAN L-20.10-02.



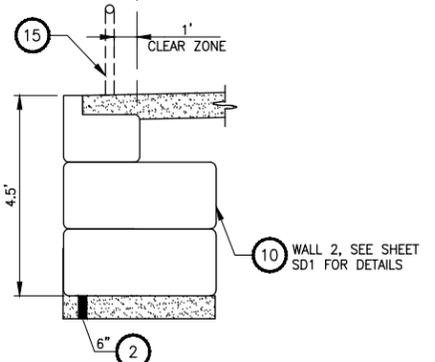
B-LINE STA 125+45 TO 126+75
TYPICAL SECTION D
 NO SCALE



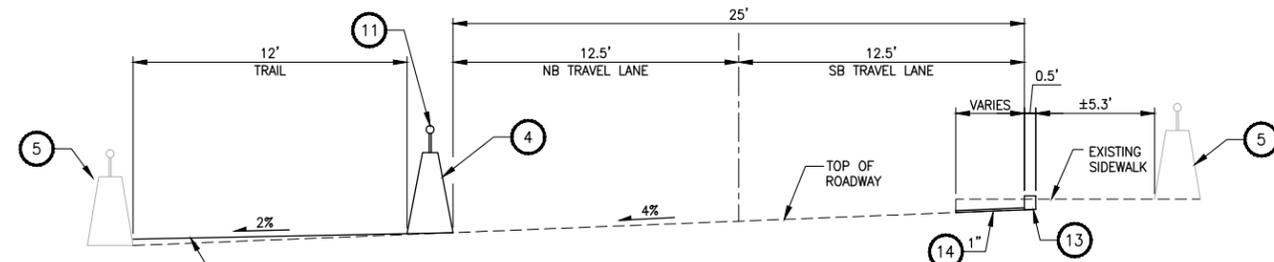
C-LINE STA 1+53 TO 2+09
C-LINE STA 4+42 TO 5+51
TYPICAL SECTION E
 NO SCALE



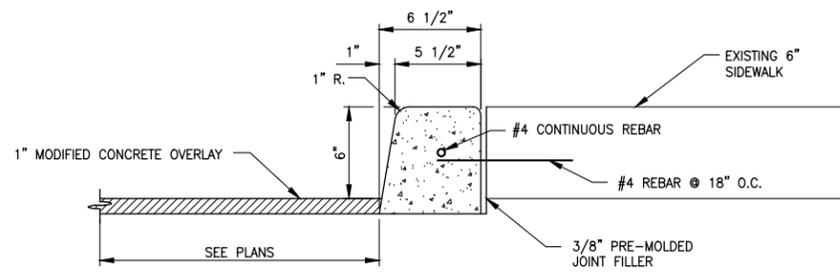
MODIFIED CONCRETE OVERLAY
DETAIL 1
 NO SCALE



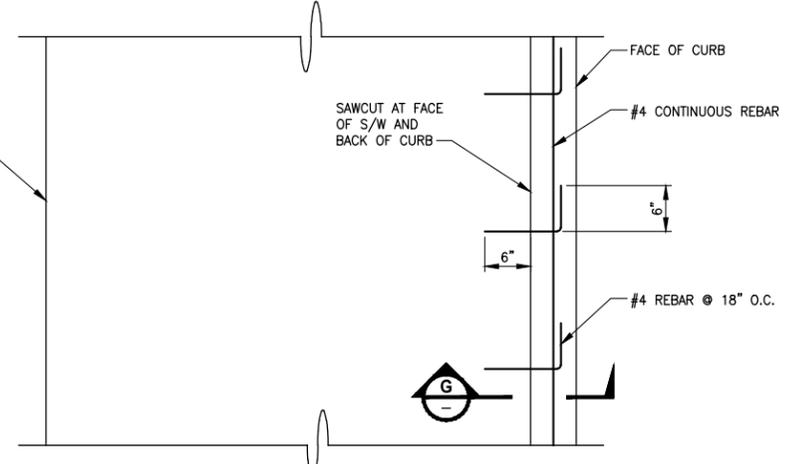
B-LINE STA 125+85 TO 126+10
TYPICAL SECTION D
 NO SCALE



C-LINE STA 2+09 TO 4+42
TYPICAL SECTION F
 NO SCALE



CEMENT CONCRETE TRAFFIC CURB
SECTION G
 NOT TO SCALE



CEMENT CONCRETE TRAFFIC CURB
DETAIL 2
 NOT TO SCALE

60% REVIEW SUBMITTAL
NOT FOR CONSTRUCTION

REVISIONS	DATE	BY	DESIGNED
			J. DVORAK
			M. MILLER
			Y. HO
			C. SCHOTT

ONE INCH AT FULL SCALE, IF NOT, SCALE ACCORDINGLY
 FILE NAME: BL1521084PAT2T2CCS-01
 JOB No: 5341521084PBT2C
 DATE: JUNE 2013

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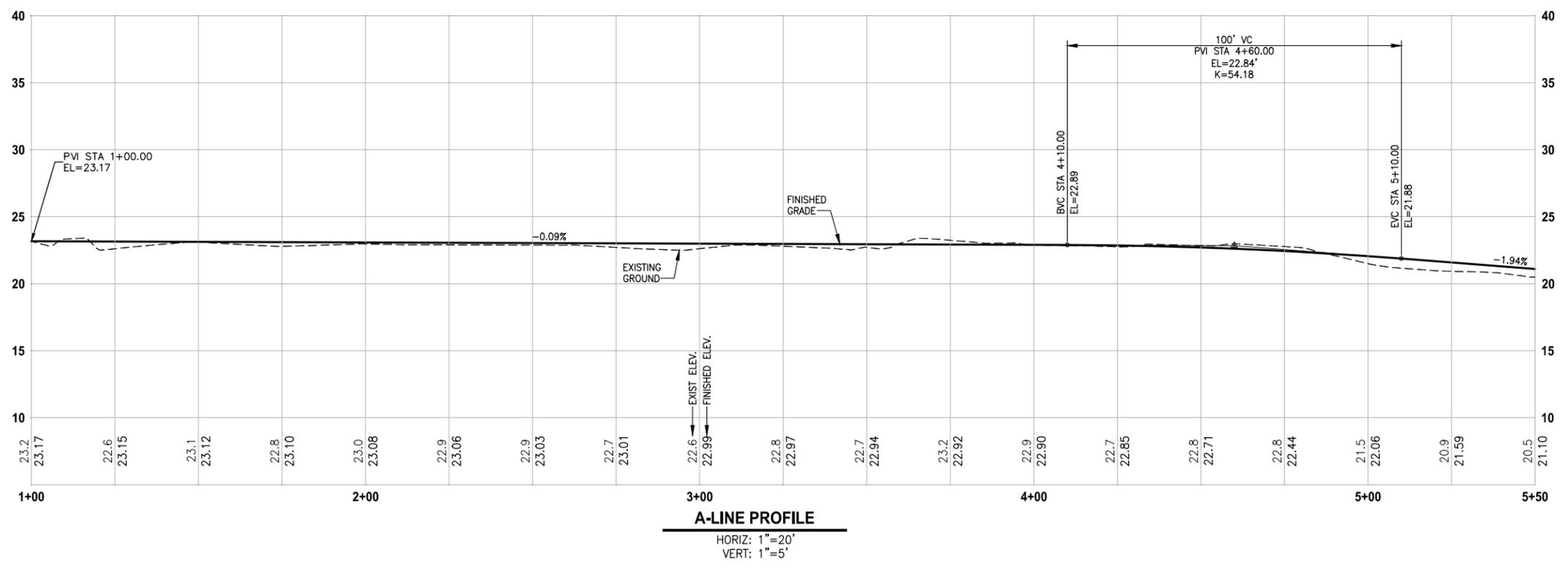
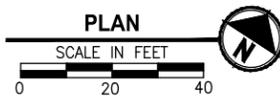
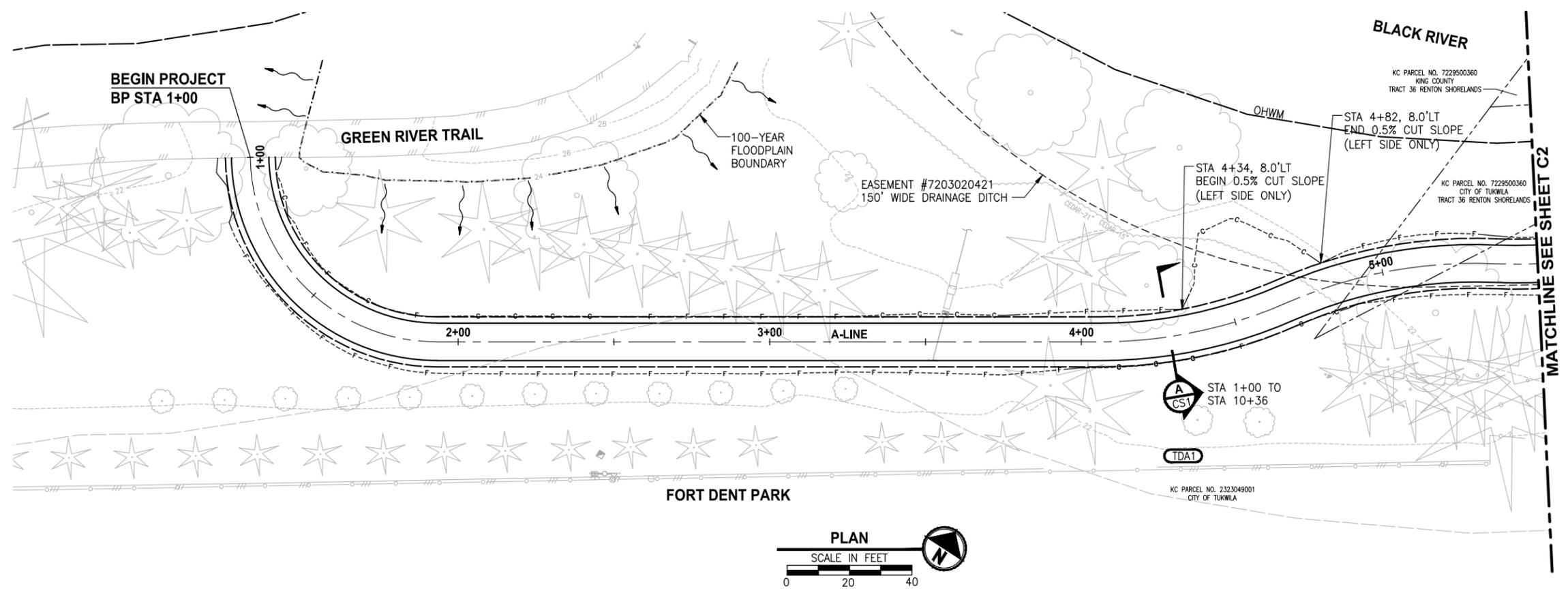
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PROJECT NAME
LAKE TO SOUND TRAIL SEGMENT A
 GREEN RIVER TRAIL TO NACHES AVE SW

TYPICAL CROSS SECTIONS

DRAWING NO.
 18 OF 45
CS1

LAYOUT: C1 PATH: U:\Bea\Projects\Clients\1521-King_City\554-1521-084_L25T\99Svcs\CADD\Phase A\Task 21200C\Draw\ PLOTTED BY: purgabut DATE: Wednesday, October 09, 2013 12:16:28 PM



A-LINE PROFILE
 HORIZ: 1"=20'
 VERT: 1"=5'

CIVIL CONSTRUCTION NOTES:

- NOTES 1-10 APPLY ONLY TO SHEETS C4 AND C5 AND HAVE NOT BEEN INCLUDED HERE.
- 11 INSTALL REMOVABLE BOLLARD PER DETAIL 1, SHEET D1.
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 - 14 INSTALL CONCRETE WARNING BAND PER DETAIL 4, SHEET D1.
 - 15 INSTALL FENCED CANOPY PER SHEET D3.
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 - 17 INSTALL CORRUGATED POLYETHYLENE STORM SEWER PIPE 12 IN. DIAM., LENGTH AS NOTED ON PLANS. CONNECT PIPE TO NEW STRUCTURE AND EXISTING PIPE.
 - 18 INSTALL TYPE 1 REST STOP. SEE DETAIL 2, SHEET D2.
 - 19 INSTALL PVC STORM SEWER PIPE 12 IN. DIAM., LENGTH AS NOTED ON PLANS. CONNECT PIPE TO EXISTING PIPE.
 - 20 BLACK VINYL TYPE 4 CHAIN LINK FENCE PER WSDOT STD PLAN L-20.10-02.

CHANNELIZATION NOTES:

- 1 INSTALL DOUBLE YELLOW CENTER LINE, PER COR STD. PLAN H001 AND H007.
- 2 INSTALL WHITE EDGE LINE PER WSDOT STD. PLAN M-20.10-02.
- 3 INSTALL THERMOPLASTIC CROSSWALK PER COR STD. PLAN 127.
- 4 INSTALL THERMOPLASTIC 24-INCH STOP BAR PER COR STD. PLAN H008.
- 5 INSTALL DETECTABLE WARNING SURFACE PER WSDOT STD. PLAN F-45.10-01.
- 6 INSTALL THERMOPLASTIC RAILROAD CROSSING PER WSDOT STD. PLAN M-11.10-01.
- 7 INSTALL DETECTABLE WARNING SURFACE PER WSDOT STD. PLAN F-45.10-01.

GENERAL NOTE:

1. SEE SHEET CS1 FOR TYPICAL CROSS SECTIONS.
2. SEE SPECIAL PROVISIONS FOR ROOT PRUNING AND DE-LIMBING OF TREES OR SHRUBS ALONG THE TRAIL ALIGNMENT.

LEGEND:

- TDA# DRAINAGE THRESHOLD DISCHARGE AREA ID NO.
- TDA BOUNDARY

60% REVIEW SUBMITTAL
 NOT FOR CONSTRUCTION

REVISIONS	DATE	BY	DESIGNED
			J. JUN
			B. PURGANAN
			Y. HO
			C. SCHOTT

ONE INCH AT FULL SCALE, IF NOT, SCALE ACCORDINGLY
 FILE NAME: BL1521084PAT2T2CC-C1
 JOB No: 5541521084PBT2C
 DATE: JUNE 2013

DRAFT

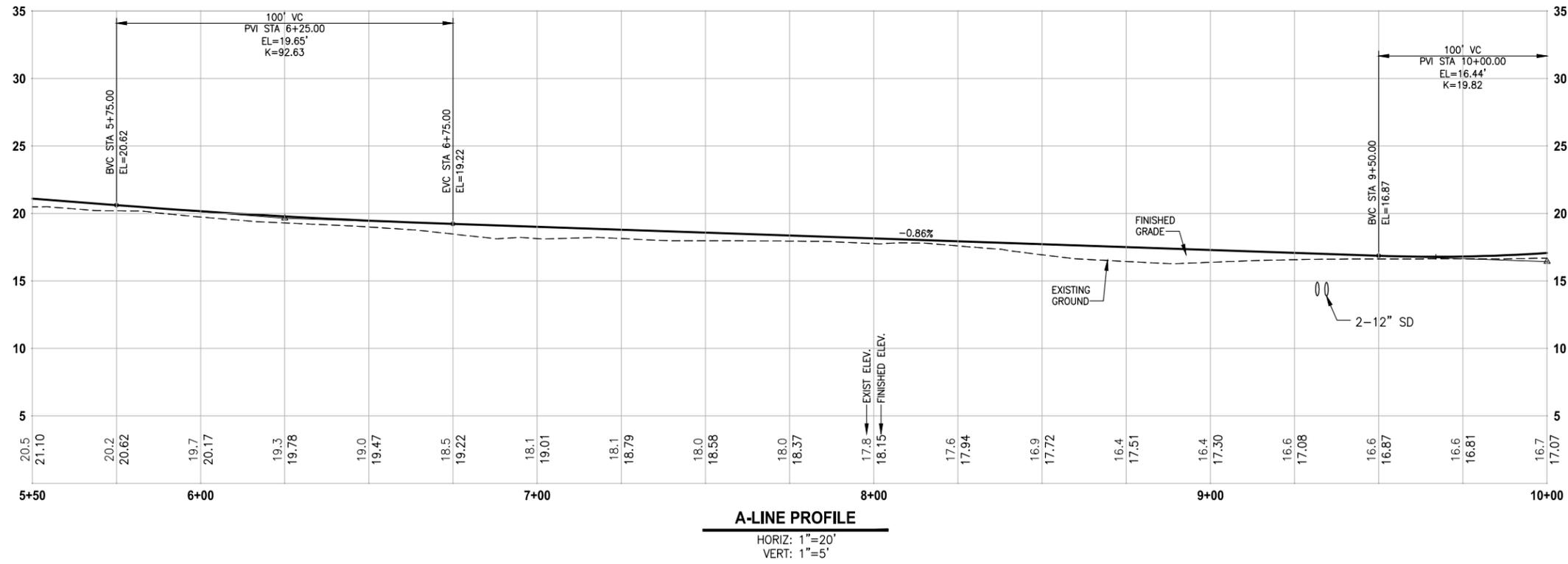
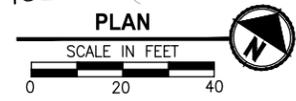
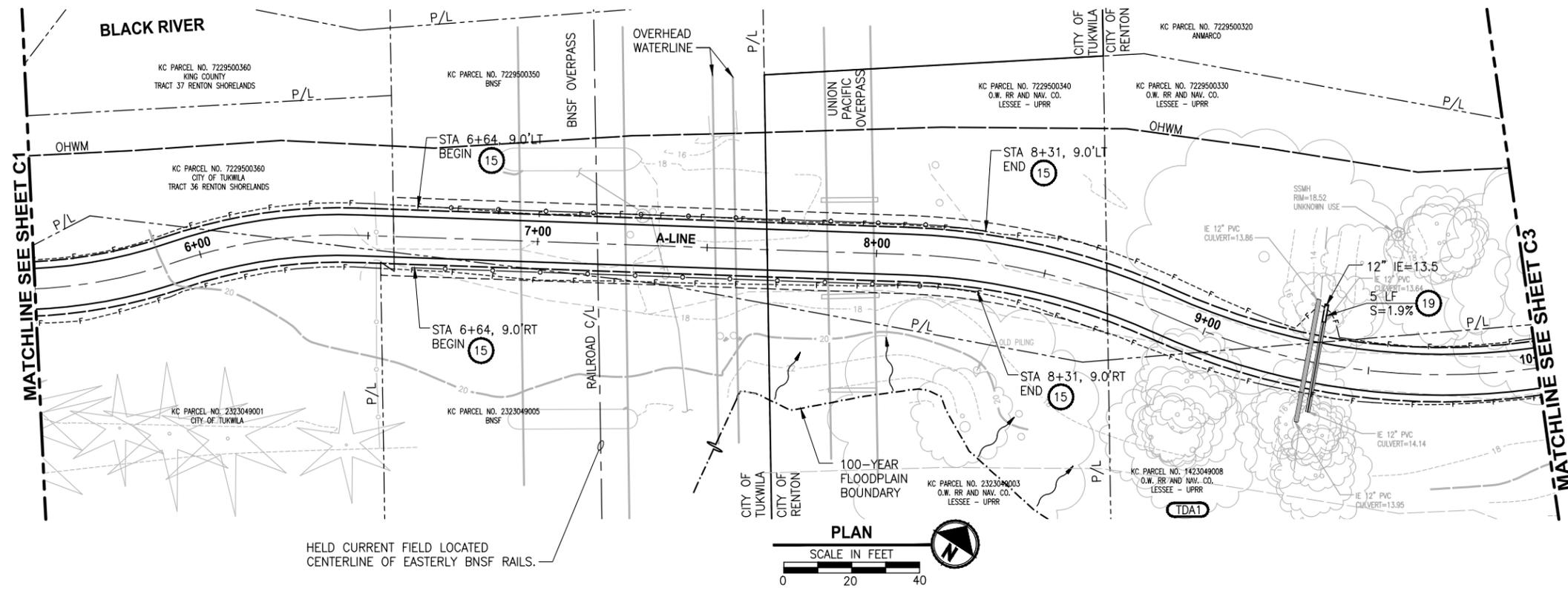
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 411 108TH AVENUE N.E., SUITE 1600
 BELLEVUE, WASHINGTON 98004
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PROJECT NAME
LAKE TO SOUND TRAIL SEGMENT A
 GREEN RIVER TRAIL TO NACHES AVE SW

PLAN AND PROFILE

DRAWING NO.
 19 OF 45
C1

LAYOUT: C2
 PATH: U:\Belt\Projects\Clients\1521-King_City\554-1521-084_L251\995\cadd\Phase A\Task 21200C\Draw\ PLOTTED BY: purgaban DATE: Wednesday, October 09, 2013 12:16:54 PM



CIVIL CONSTRUCTION NOTES:

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- TDA BOUNDARY

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REVISIONS	DATE	BY	DESIGNED
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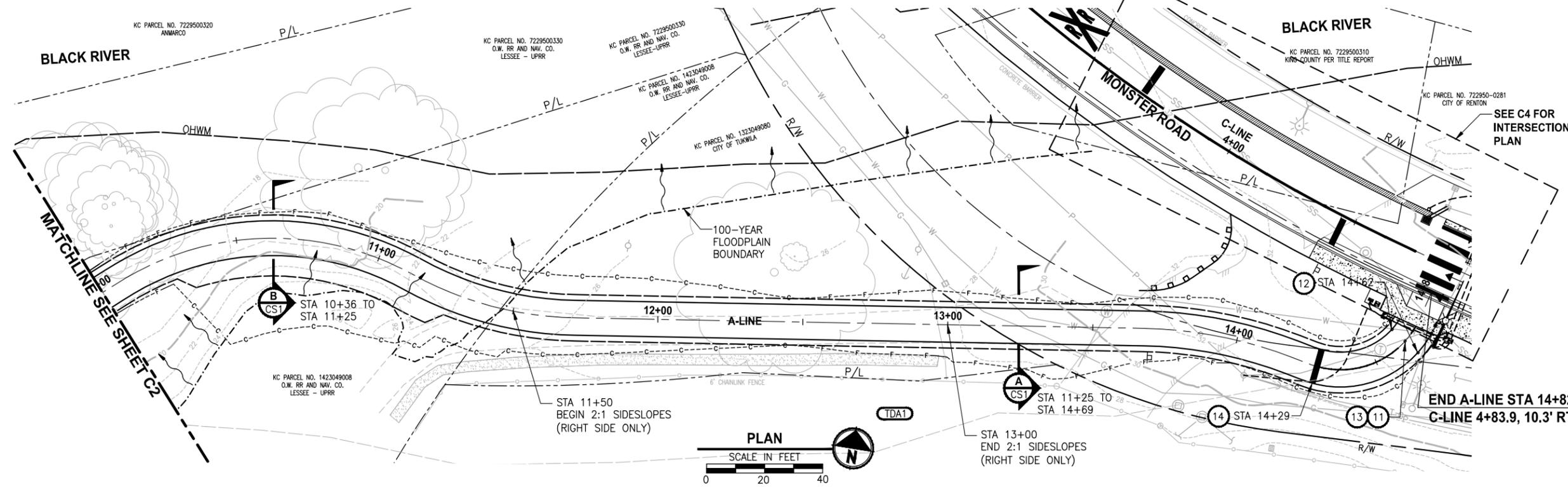
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 411 108TH AVENUE N.E., SUITE 1000
 BELLEVUE, WASHINGTON 98004
 T: 425.458.8200 F: 425.458.6363
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PROJECT NAME
LAKE TO SOUND TRAIL SEGMENT A
 GREEN RIVER TRAIL TO NACHES AVE SW

PLAN AND PROFILE

DRAWING NO.
 20 OF 45
C2

LAYOUT: C3
 PATH: U:\Belt\Projects\Clients\1521-084_L25\995\cadd\Phase A\Task 2\2000\Draw\ PLOTTED BY: purgubut DATE: Wednesday, October 09, 2013 12:17:18 PM

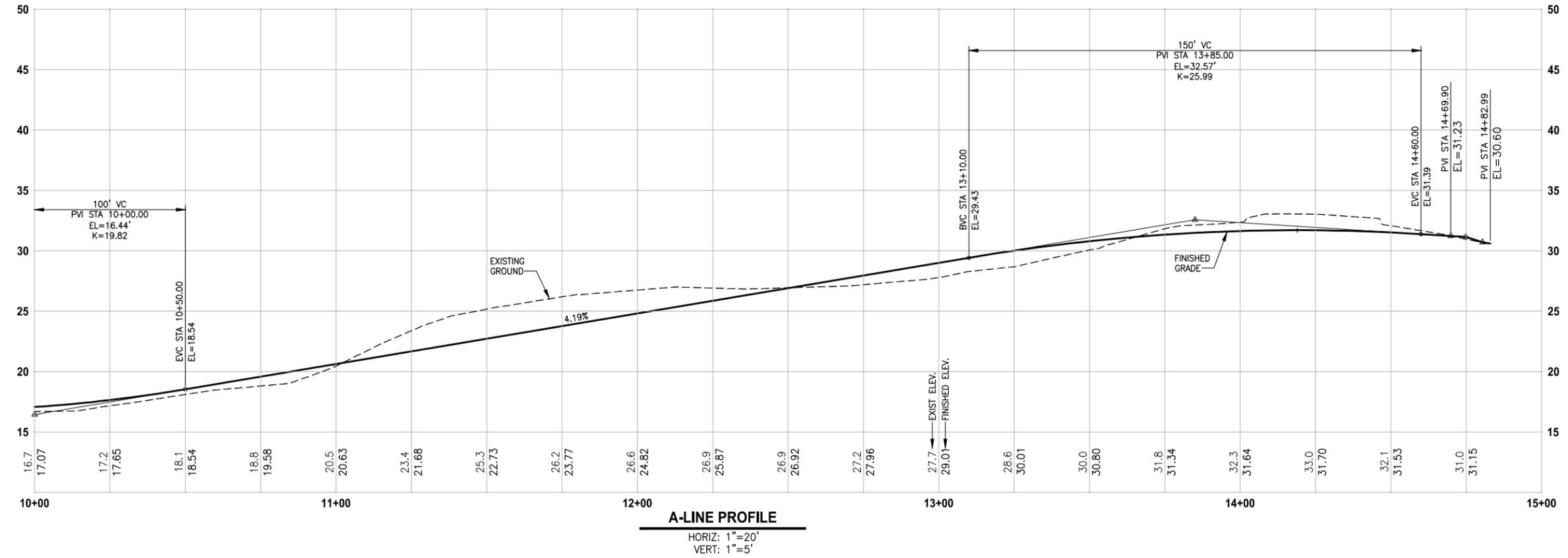


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 - TDA BOUNDARY



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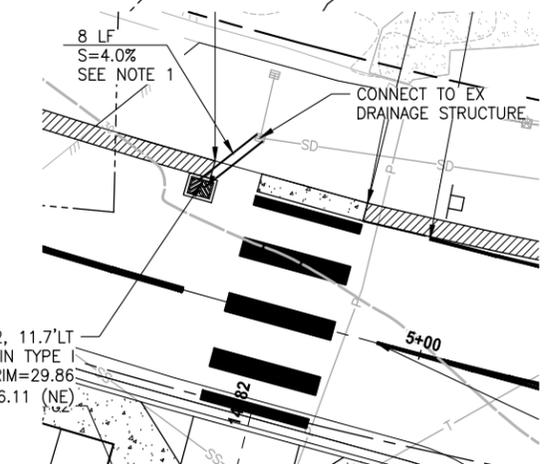
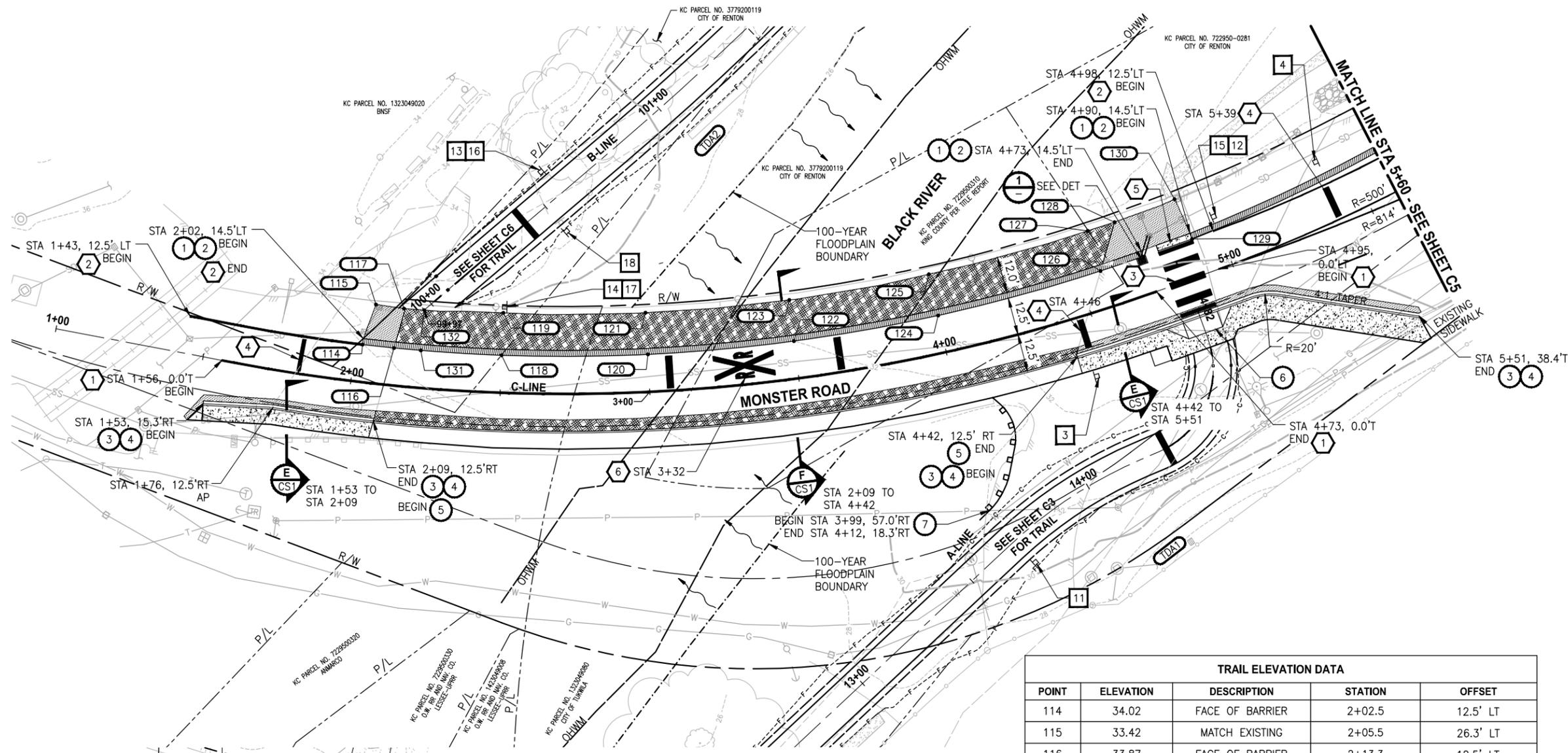
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 411 108TH AVENUE N.E., SUITE 1600
 BELLEVUE, WASHINGTON 98004
 T: 425.450.8200 F: 425.450.8363
 www.parametrix.com

PROJECT NAME
LAKE TO SOUND TRAIL SEGMENT A
 GREEN RIVER TRAIL TO NACHES AVE SW

PLAN AND PROFILE

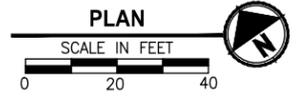
DRAWING NO.
 21 OF 45
C3

LAYOUT: C4
 PATH: U:\Bent\Projects\Clients\1521-084_L251\995\cadd\Phase A\Task 21200C.Dwg
 PLOTTED BY: purgaban DATE: Wednesday, October 09, 2013 12:17:43 PM



NOTE:
1. INSTALL CORRUGATED POLYETHYLENE STORM SEWER PIPE 12 IN. DIAM.

**MONSTER ROAD STORM DRAINAGE
DETAIL**
1
1"=10'



TRAIL ELEVATION DATA				
POINT	ELEVATION	DESCRIPTION	STATION	OFFSET
114	34.02	FACE OF BARRIER	2+02.5	12.5' LT
115	33.42	MATCH EXISTING	2+05.5	26.3' LT
116	33.87	FACE OF BARRIER	2+13.3	12.5' LT
117	33.59	HMA/CONC TRANSITION	2+15.4	25.9' LT
118	33.22	FACE OF EX BARRIER	2+50.0	12.5' LT
119	32.94	FACE OF EX BARRIER	2+50.0	26.6' LT
120	32.66	FACE OF BARRIER	3+00.0	12.5' LT
121	32.38	FACE OF EX BARRIER	3+00.0	26.4' LT
122	32.00	FACE OF BARRIER	3+50.0	12.5' LT
123	31.72	FACE OF EX BARRIER	3+50.0	26.3' LT
124	31.11	FACE OF BARRIER	4+00.0	12.5' LT
125	30.83	FACE OF EX BARRIER	4+00.0	26.6' LT
126	30.08	FACE OF BARRIER	4+57.4	12.5' LT
127	29.80	FACE OF EX BARRIER	4+57.5	26.6' LT
128	29.71	HMA/CONC TRANSITION	4+67.4	26.4' LT
129	29.70	FACE OF BARRIER	4+90.2	12.5' LT
130	29.15	MATCH EXISTING	4+89.1	26.9' LT
131	33.67	FACE OF BARRIER	2+22.5	12.5' LT
132	33.39	CENTER OF TRAIL	2+22.5	26.0' LT

CIVIL CONSTRUCTION NOTES:

1. INSTALL CAST-IN-PLACE SINGLE SLOPE CONCRETE BARRIER PER WSDOT STD. PLAN C80.10-00.
2. INSTALL BRIDGE RAILING TYPE "PEDESTRIAN" PER APPENDIX A OF THE WSDOT BRIDGE DESIGN MANUAL (AUG 2012)
3. INSTALL CEMENT CONC. SIDEWALK PER WSDOT STD. PLAN F-30.10-01.
4. INSTALL CEMENT CONC. TRAFFIC CURB AND GUTTER PER WSDOT STD. PLAN F10-12.02.
5. INSTALL CEMENT CONC. TRAFFIC CURB PER DETAIL 2, SHEET CS1.
6. INSTALL PERPENDICULAR CURB RAMP PER WSDOT STD. PLAN F-40.15-01 AND DETAIL 1, SHEET C15.
7. INSTALL BEAM GUARDRAIL TYPE 31 - 6 FT. LONG POST PER WSDOT STD. PLAN C-20.10-00 AND C-1B.
8. INSTALL BEAM GUARDRAIL TRANSITION SECTION TYPE 21 PER WSDOT STD. PLAN C-25.20-05. CONNECT TO CONCRETE BARRIER PER WSDOT STD. PLAN C-24.10-00 (B CONNECTION) AND C-7A.
9. INSTALL BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL PER WSDOT STD. PLAN C-22.45-00.
10. NOT USED

CHANNELIZATION NOTES:

1. INSTALL DOUBLE YELLOW CENTER LINE, PER COR STD. PLAN H001 AND H007.
2. INSTALL WHITE EDGE LINE PER WSDOT STD. PLAN M-20.10-02.
3. INSTALL THERMOPLASTIC CROSSWALK PER COR STD. PLAN 127.
4. INSTALL THERMOPLASTIC 24-INCH STOP BAR PER COR STD. PLAN H008.
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6. INSTALL THERMOPLASTIC RAILROAD CROSSING PER WSDOT STD. PLAN M-11.10-01.
7. INSTALL WIDE LANE LINE PER WSDOT STD. PLAN M-20.10-02.
8. INSTALL TRAFFIC ARROW PER WSDOT STD. PLAN M-24.40-01.
9. INSTALL WHITE LANE LINE PER WSDOT STD. PLAN M-20.10-02.

GENERAL NOTE:

1. SEE SHEET CS1 FOR TYPICAL CROSS SECTIONS.
2. SEE SPECIAL PROVISIONS FOR ROOT PRUNING AND DE-LIMBING OF TREES OR SHRUBS ALONG THE TRAIL ALIGNMENT.
3. CALLOUTS TO CURB ARE AT FLOWLINE.

LEGEND:

- DTA# DRAINAGE THRESHOLD DISCHARGE AREA ID NO.
- TDA BOUNDARY
- HMA CLASS 1/2" PG 64-22
- MODIFIED CONCRETE OVERLAY
- CEMENT CONC. SIDEWALK
- SIGN, SEE SHEET C15

**60% REVIEW SUBMITTAL
NOT FOR CONSTRUCTION**

REVISIONS	DATE	BY	DESIGNED
			J. JUN
			B. PURGANAN
			Y. HO
			C. SCHOTT

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 FILE NAME: BL1521084PAT2T2CC-C1
 JOB No.: 5941521084PBT2C
 DATE: JUNE 2013

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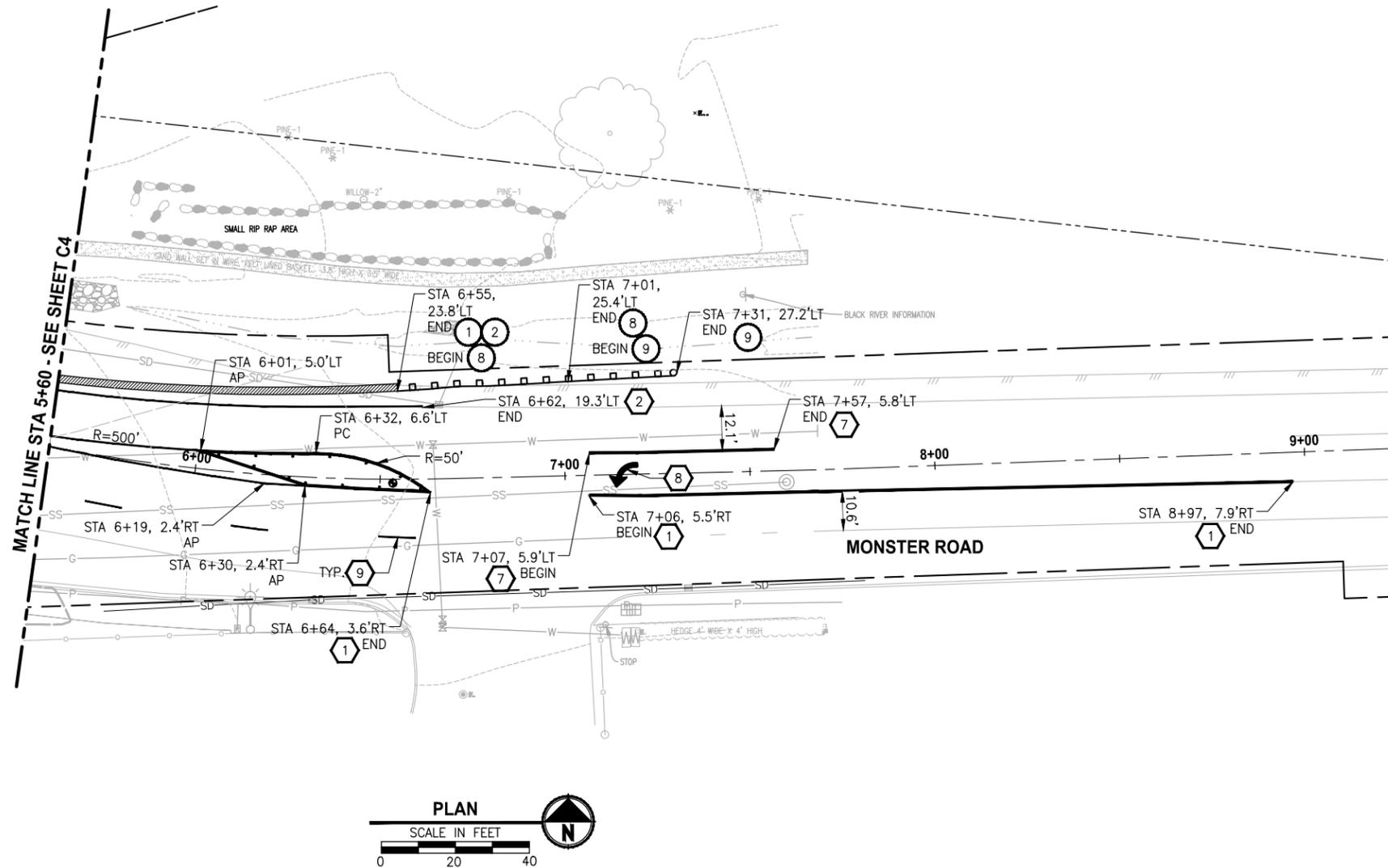
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 411 108TH AVENUE N.E., SUITE 1800
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 www.parametrix.com

PROJECT NAME
**LAKE TO SOUND TRAIL
 SEGMENT A**
 GREEN RIVER TRAIL TO NACHES AVE SW

INTERSECTION PLAN

DRAWING NO.
22 OF 45
C4

LAYOUT: C5 PATH: U:\Belt\Projects\Clients\1521-King_City\554-1521-084_L251\995\cs\CaDD\Phase A\Task 21200C\Draw\ PLOTTED BY: purgaban DATE: Wednesday, October 09, 2013 12:18:03 PM



CIVIL CONSTRUCTION NOTES:

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-  TDA BOUNDARY
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-  MODIFIED CONCRETE OVERLAY
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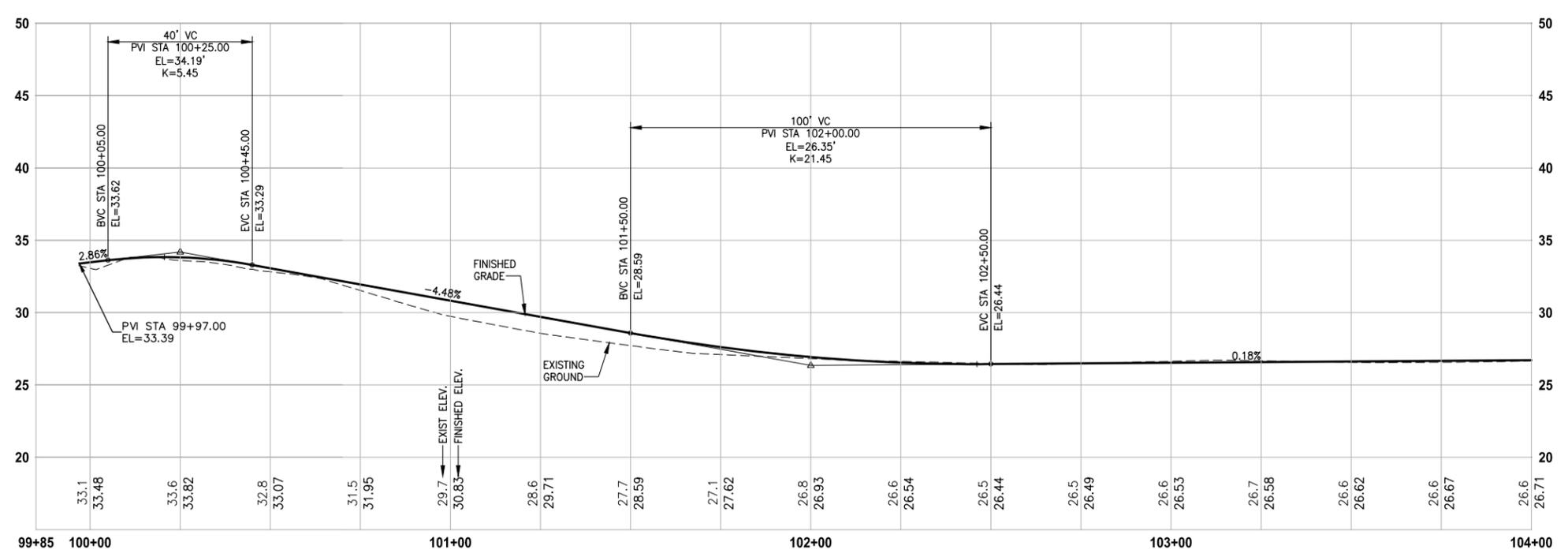
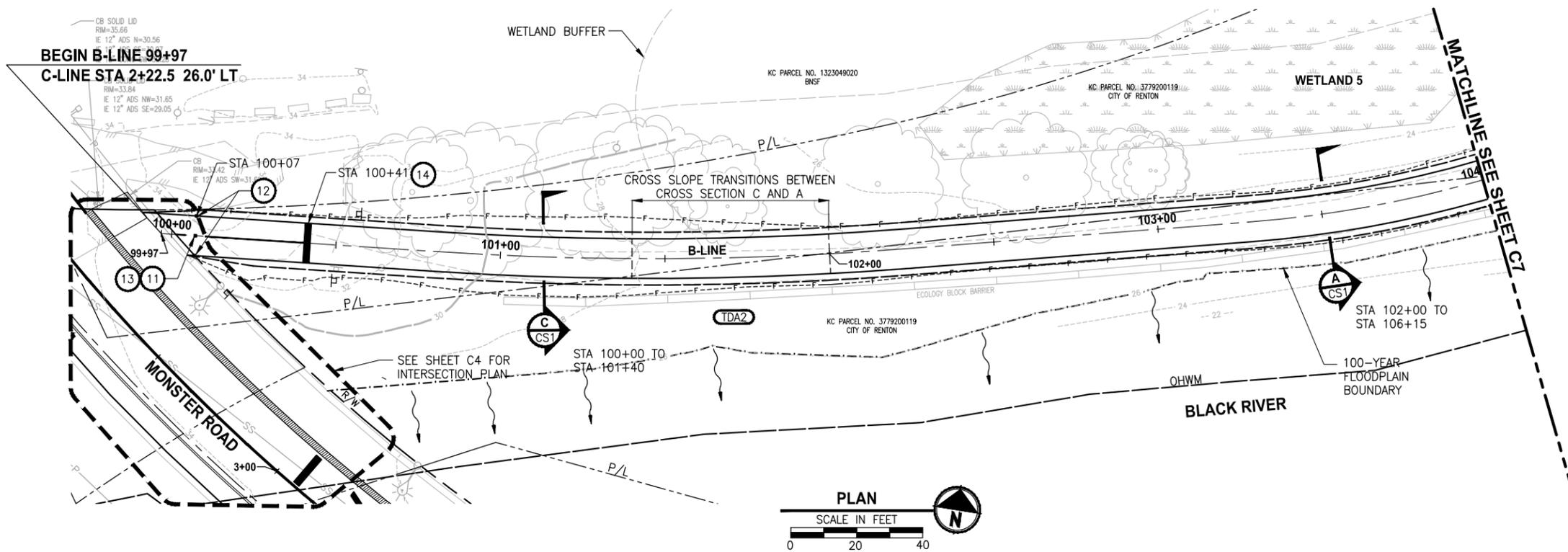
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PROJECT NAME
LAKE TO SOUND TRAIL SEGMENT A
 GREEN RIVER TRAIL TO NACHES AVE SW

INTERSECTION PLAN

DRAWING NO.
 23 OF 45
C5

LAYOUT: C6
 PATH: U:\Belt\Projects\Clients\1521-King_City\554-1521-084_L251\995\cadd\Phase A\Task 21200C\Draw\ PLOTTED BY: purgaban DATE: Wednesday, October 09, 2013 12:18:29 PM



B-LINE PROFILE
 HORIZ: 1"=20'
 VERT: 1"=5'

CIVIL CONSTRUCTION NOTES:

NOTES 1-10 APPLY ONLY TO SHEETS C4 AND C5 AND HAVE NOT BEEN INCLUDED HERE.

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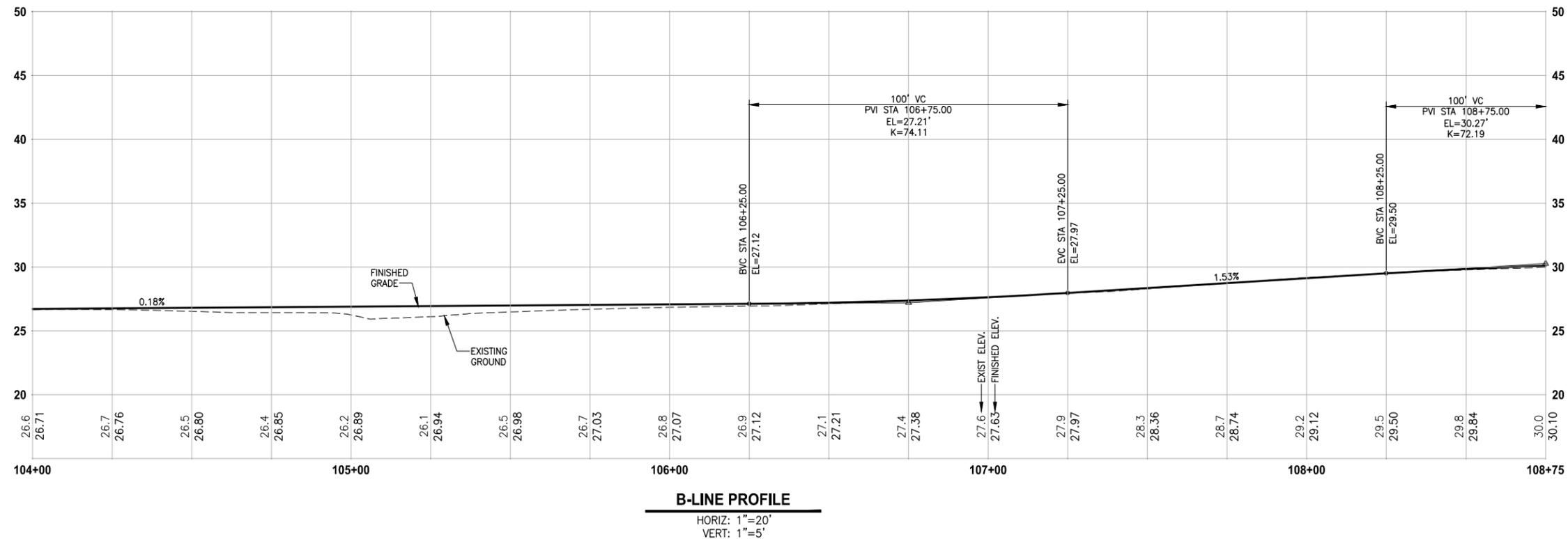
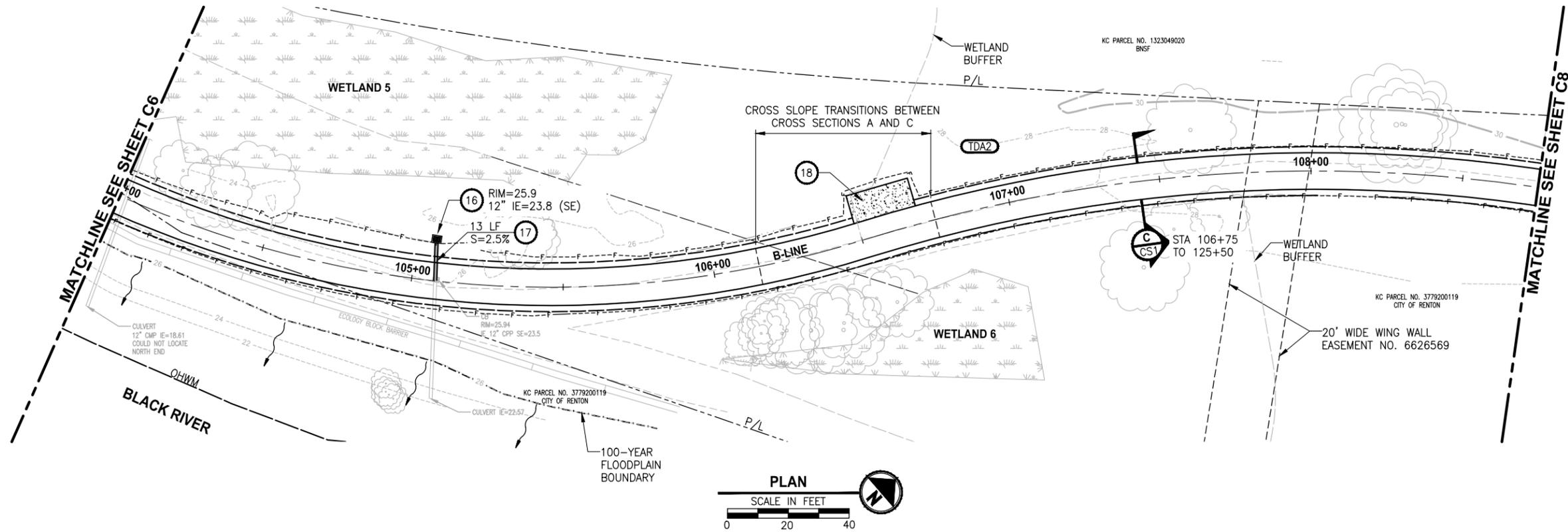
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PROJECT NAME
LAKE TO SOUND TRAIL SEGMENT A
 GREEN RIVER TRAIL TO NACHES AVE SW

PLAN AND PROFILE

DRAWING NO.
 24 OF 45
C6

PATH: U:\Belt\Projects\Clients\1521-King_City\554-1521-084_L251\995\sect\CADD\Phase A\Task 212000\Draw\ PLOTTED BY: purgaban DATE: Wednesday, October 09, 2013 12:18:49 PM LAYOUT: C7



CIVIL CONSTRUCTION NOTES:

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- 16 INSTALL 48" CATCH BASIN TYPE 2 PER WSDOT STD. PLAN B-10.20-01 WITH ROUND HEAVY-DUTY BEEHIVE GRATE.
- 17 INSTALL CORRUGATED POLYETHYLENE STORM SEWER PIPE 12 IN. DIAM., LENGTH AS NOTED ON PLANS. CONNECT PIPE TO NEW STRUCTURE AND EXISTING PIPE.
- 18 INSTALL TYPE 1 REST STOP. SEE DETAIL 2, SHEET D2.
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- 20 BLACK VINYL TYPE 4 CHAIN LINK FENCE PER WSDOT STD PLAN L-20.10-02.

CHANNELIZATION NOTES:

- 1 INSTALL DOUBLE YELLOW CENTER LINE, PER COR STD. PLAN H001 AND H007.
- 2 INSTALL WHITE EDGE LINE PER WSDOT STD. PLAN M-20.10-02.
- 3 INSTALL THERMOPLASTIC CROSSWALK PER COR STD. PLAN 127.
- 4 INSTALL THERMOPLASTIC 24-INCH STOP BAR PER COR STD. PLAN H008.
- 5 INSTALL DETECTABLE WARNING SURFACE PER WSDOT STD. PLAN F-45.10-01.
- 6 INSTALL THERMOPLASTIC RAILROAD CROSSING PER WSDOT STD. PLAN M-11.10-01.
- 7 INSTALL DETECTABLE WARNING SURFACE PER WSDOT STD. PLAN F-45.10-01.

GENERAL NOTE:

1. SEE SHEET CS1 FOR TYPICAL CROSS SECTIONS.
2. SEE SPECIAL PROVISIONS FOR ROOT PRUNING AND DE-LIMBING OF TREES OR SHRUBS ALONG THE TRAIL ALIGNMENT.

LEGEND:

- TDA# DRAINAGE THRESHOLD DISCHARGE AREA ID NO.
- TDA BOUNDARY

60% REVIEW SUBMITTAL
NOT FOR CONSTRUCTION

REVISIONS	DATE	BY	DESIGNED
			J. JUN
			B. PURGANAN
			Y. HO
			C. SCHOTT

ONE INCH AT FULL SCALE, IF NOT, SCALE ACCORDINGLY	
FILE NAME	BL1521084PAT2T2CC-C1
JOB No.	5941521084PBT2C
DATE	JUNE 2013

DRAFT

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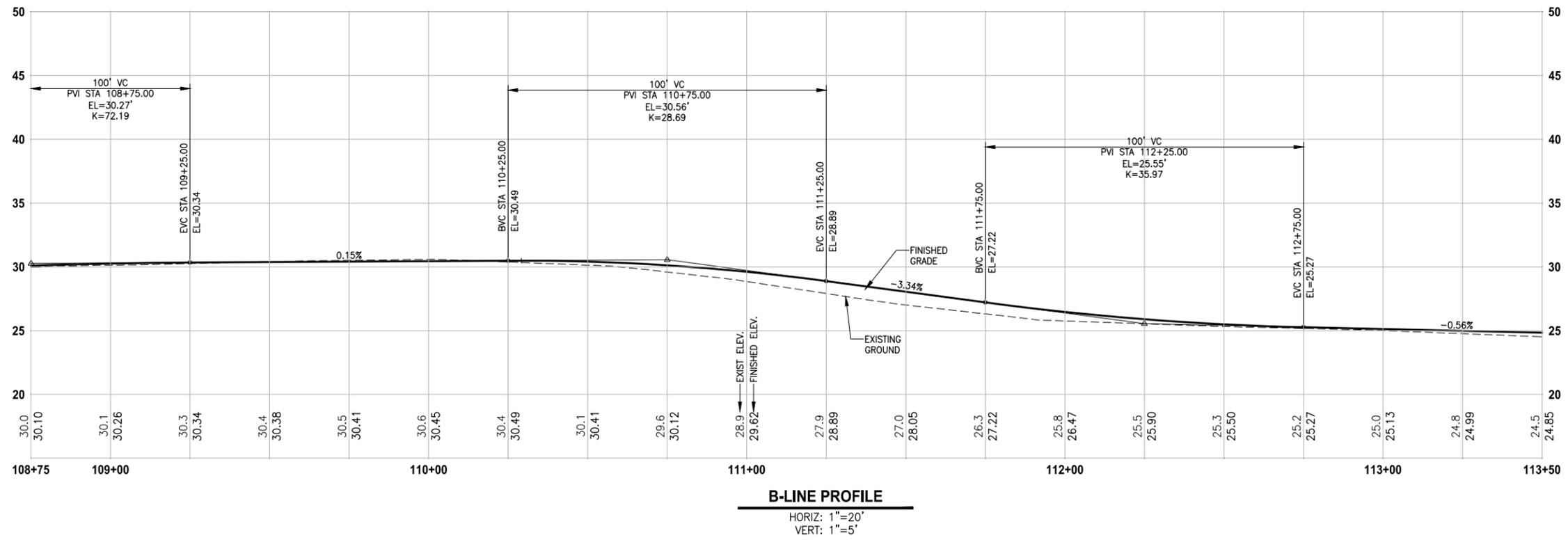
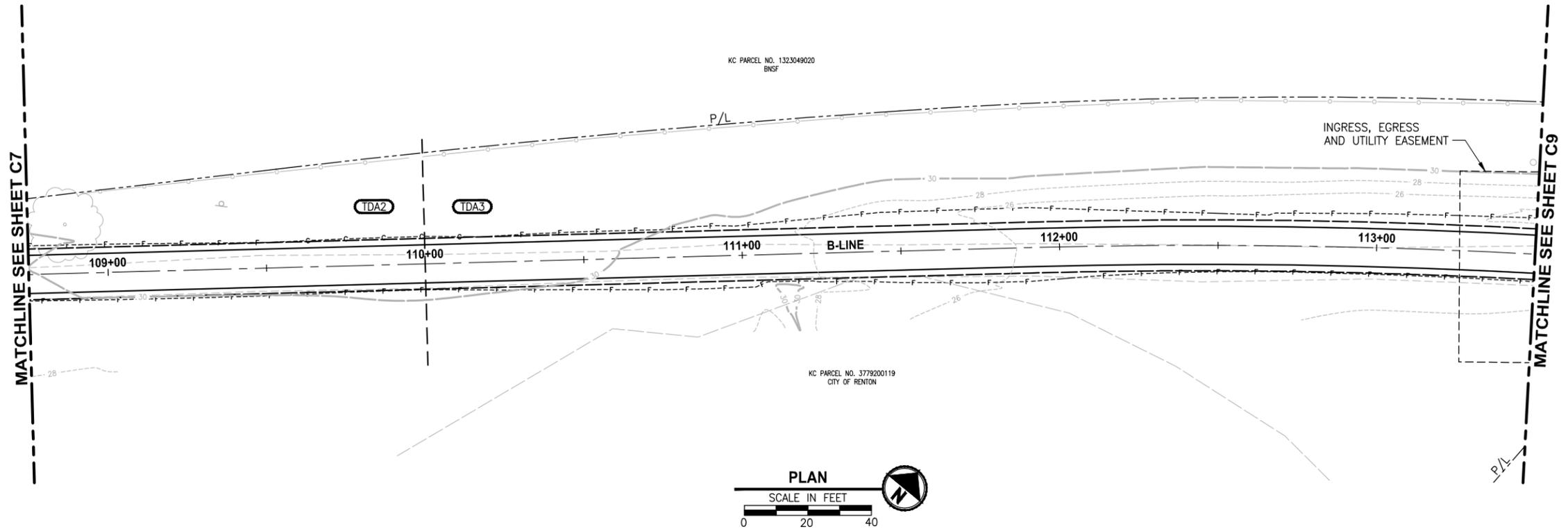
PROJECT NAME
LAKE TO SOUND TRAIL
SEGMENT A
 GREEN RIVER TRAIL TO NACHES AVE SW

PLAN AND PROFILE

DRAWING NO.
25 OF 45

C7

LAYOUT: C8 PATH: U:\Belt\Projects\Clients\1521-King_City\554-1521-084_L25T\995\cts\CADD\Phase A\Task 21200C\Draw\ PLOTTED BY: purgubut DATE: Wednesday, October 09, 2013 12:19:13 PM



CIVIL CONSTRUCTION NOTES:

NOTES 1-10 APPLY ONLY TO SHEETS C4 AND C5 AND HAVE NOT BEEN INCLUDED HERE.

- 11 INSTALL REMOVABLE BOLLARD PER DETAIL 1, SHEET D1.
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- TDA BOUNDARY

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REVISIONS	DATE	BY	DESIGNED
			J. JUN
			B. PURGANAN
			Y. HO
			C. SCHOTT

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY
 FILE NAME: BL1521084PAT2T2CC-C1
 JOB No.: 5541521084PBT2C
 DATE: JUNE 2013

DRAFT

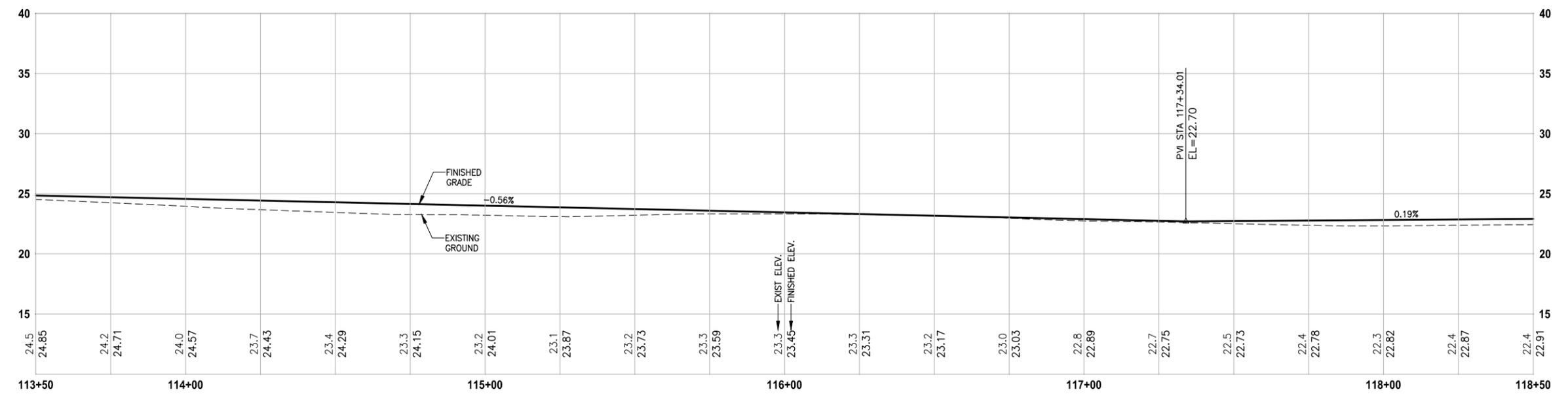
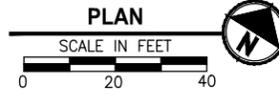
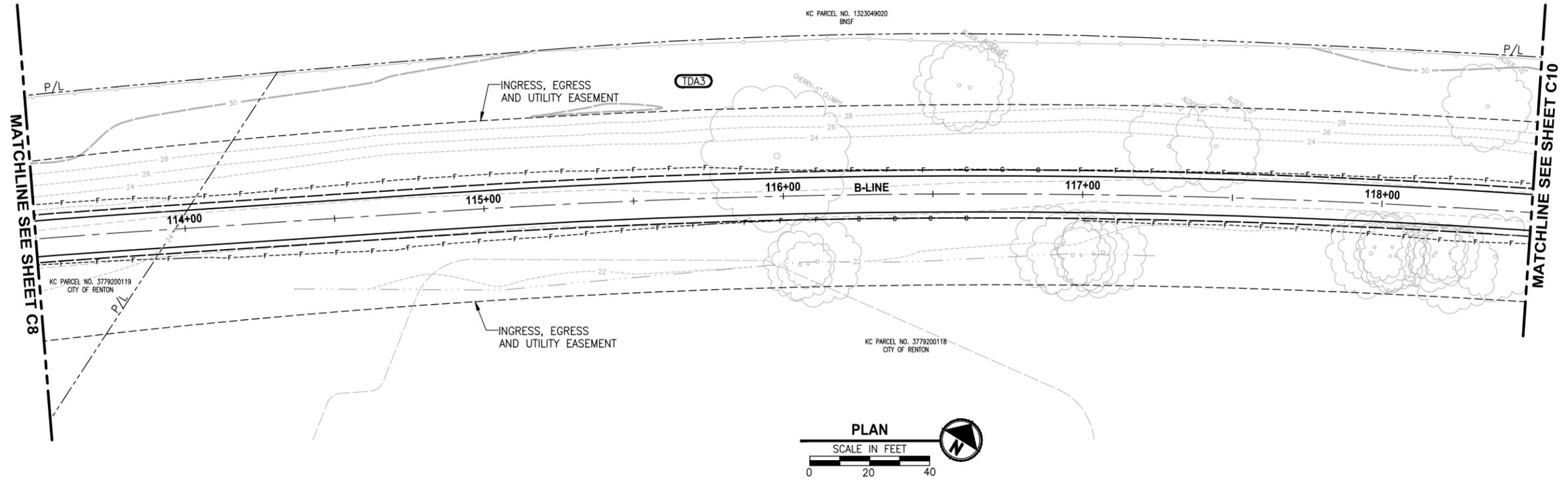
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PROJECT NAME
LAKE TO SOUND TRAIL SEGMENT A
 GREEN RIVER TRAIL TO NACHES AVE SW

PLAN AND PROFILE

DRAWING NO.
 26 OF 45
C8

LAYOUT: C9
 PATH: U:\Belt\Projects\Clients\1521-King City\554-1521-084_L251\995\cadd\Phase A\Task 21200C\Draw\ PLOTTED BY: purgabub DATE: Wednesday, October 09, 2013 12:19:38 PM



B-LINE PROFILE
 HORIZ: 1"=20'
 VERT: 1"=5'

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LEGEND:

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- TDA BOUNDARY

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REVISIONS	DATE	BY	DESIGNED
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			B. PURGANAN
			Y. HO
			C. SCHOTT

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FILE NAME
 BL1521084PAT2T2CC-C1

JOB No.
 5541521084PBT2C

DATE
 JUNE 2013

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 BELLEVUE, WASHINGTON 98004
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 www.parametrix.com

PROJECT NAME
**LAKE TO SOUND TRAIL
 SEGMENT A**

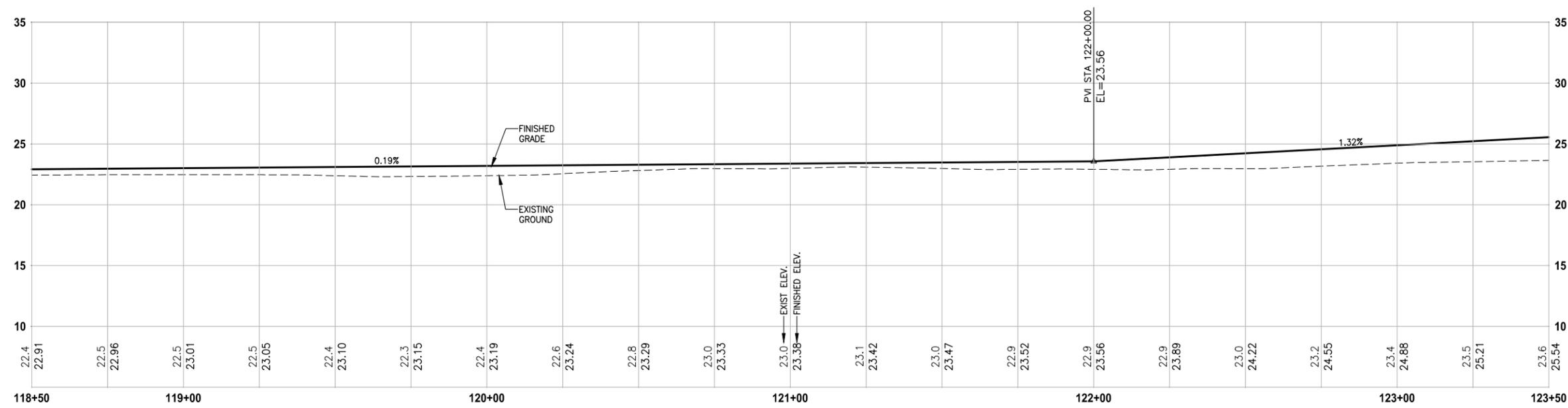
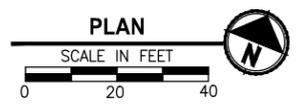
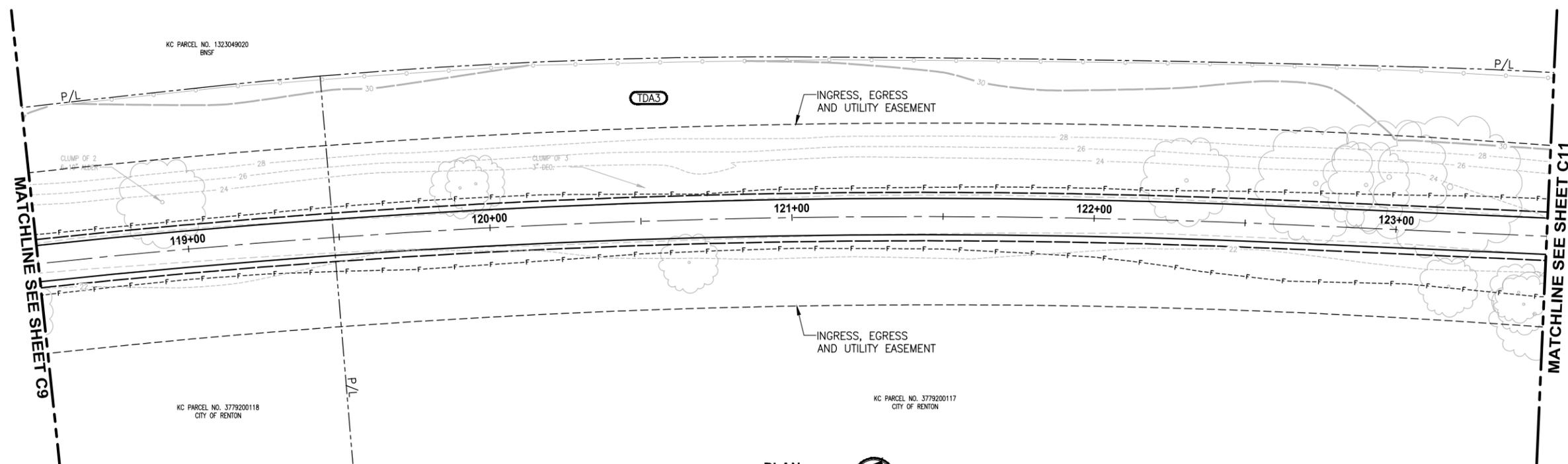
GREEN RIVER TRAIL TO NACHES AVE SW

PLAN AND PROFILE

DRAWING NO.
 27 OF 45

C9

PATH: U:\Ball\Projects\Clients\1521-King_City\54-1521-084-L25\995\CA00\Phase A\Task_21200C\Draw\ PLOTTED BY: purgabut DATE: Wednesday, October 09, 2013 12:20:03 PM LAYOUT: C10



B-LINE PROFILE
 HORIZ: 1"=20'
 VERT: 1"=5'

CIVIL CONSTRUCTION NOTES:

- NOTES 1-10 APPLY ONLY TO SHEETS C4 AND C5 AND HAVE NOT BEEN INCLUDED HERE.
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GENERAL NOTE:

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LEGEND:

- DRAINAGE THRESHOLD DISCHARGE AREA ID NO.
 TDA BOUNDARY

60% REVIEW SUBMITTAL
 NOT FOR CONSTRUCTION

REVISIONS	DATE	BY	DESIGNED
			J. JUN
			B. PURGANAN
			Y. HO
			C. SCHOTT

ONE INCH AT FULL SCALE.
 IF NOT, SCALE ACCORDINGLY
 FILE NAME
 BL1521084PAT2T2CC-C1
 JOB No.
 5341521084PBT2C
 DATE
 JUNE 2013

DRAFT

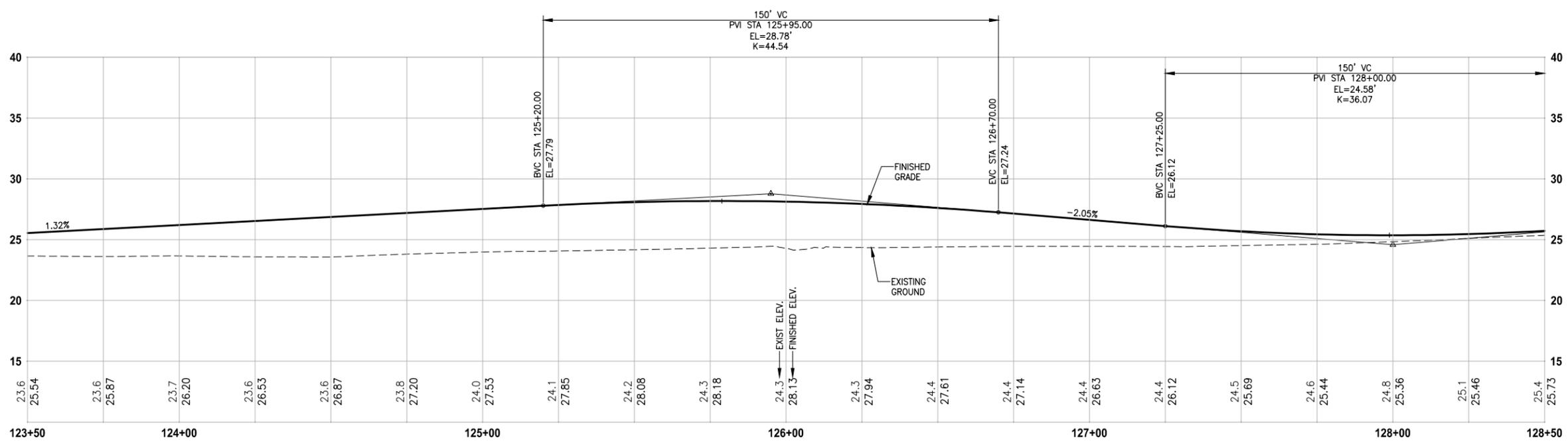
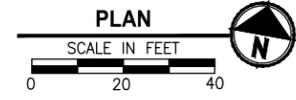
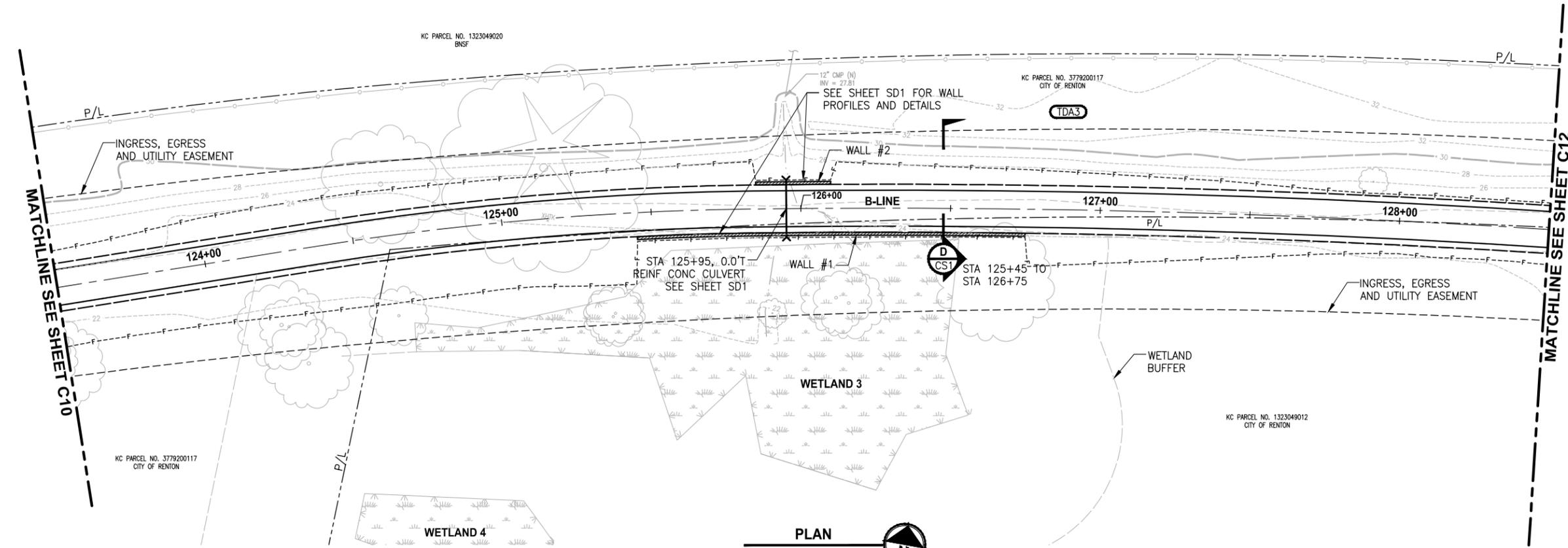
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 411 108TH AVENUE N.E., SUITE 1800
 BELLEVUE, WASHINGTON 98004
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 www.parametrix.com

PROJECT NAME
**LAKE TO SOUND TRAIL
 SEGMENT A**
 GREEN RIVER TRAIL TO NACHES AVE SW

PLAN AND PROFILE

DRAWING NO.
 28 OF 45
C10

PATH: U:\Ball\Projects\Clients\1521-King_City\54-1521-084_L25\995\CA\ADD\Phase A\Task_212000\Draw\ PLOTTED BY: purgabut DATE: Wednesday, October 09, 2013 12:20:28 PM LAYOUT: C11



B-LINE PROFILE
 HORIZ: 1"=20'
 VERT: 1"=5'

CIVIL CONSTRUCTION NOTES:

NOTES 1-10 APPLY ONLY TO SHEETS C4 AND C5 AND HAVE NOT BEEN INCLUDED HERE.

- 11 INSTALL REMOVABLE BOLLARD PER DETAIL 1, SHEET D1.
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- 20 BLACK VINYL TYPE 4 CHAIN LINK FENCE PER WSDOT STD PLAN L-20.10-02.

CHANNELIZATION NOTES:

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GENERAL NOTE:

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LEGEND:

- TDA# DRAINAGE THRESHOLD DISCHARGE AREA ID NO.
- TDA BOUNDARY

60% REVIEW SUBMITTAL
 NOT FOR CONSTRUCTION

REVISIONS	DATE	BY	DESIGNED
			J. JUN
			B. PURGANAN
			Y. HO
			C. SCHOTT

ONE INCH AT FULL SCALE, IF NOT, SCALE ACCORDINGLY
 FILE NAME: BL1521084PAT2T2CC-C1
 JOB No: 541521084PBT2C
 DATE: JUNE 2013

DRAFT

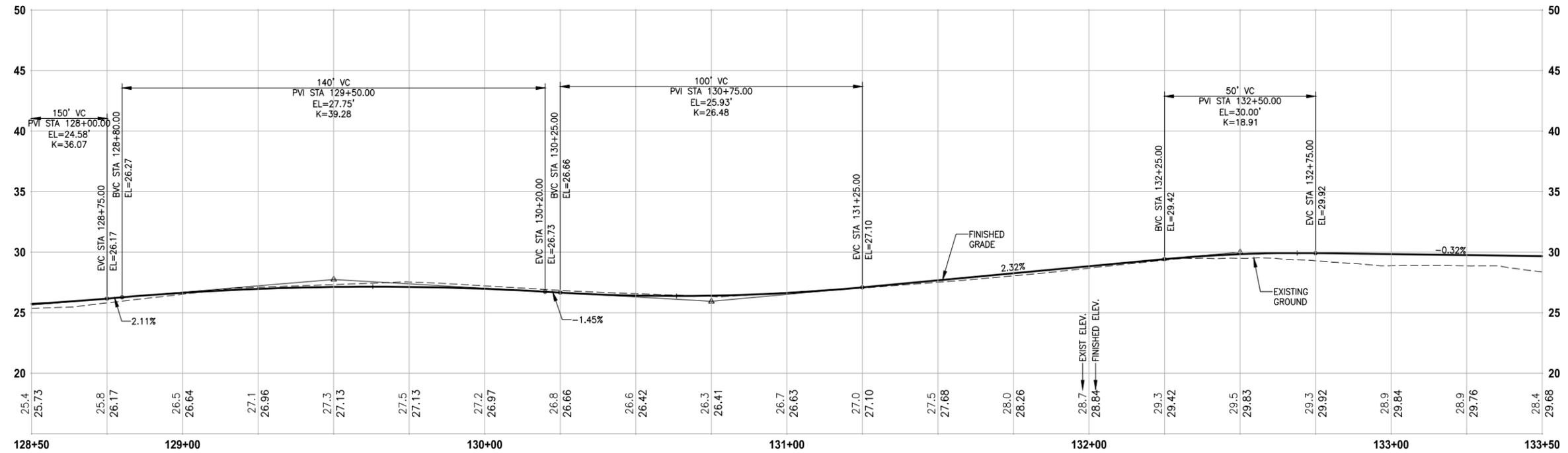
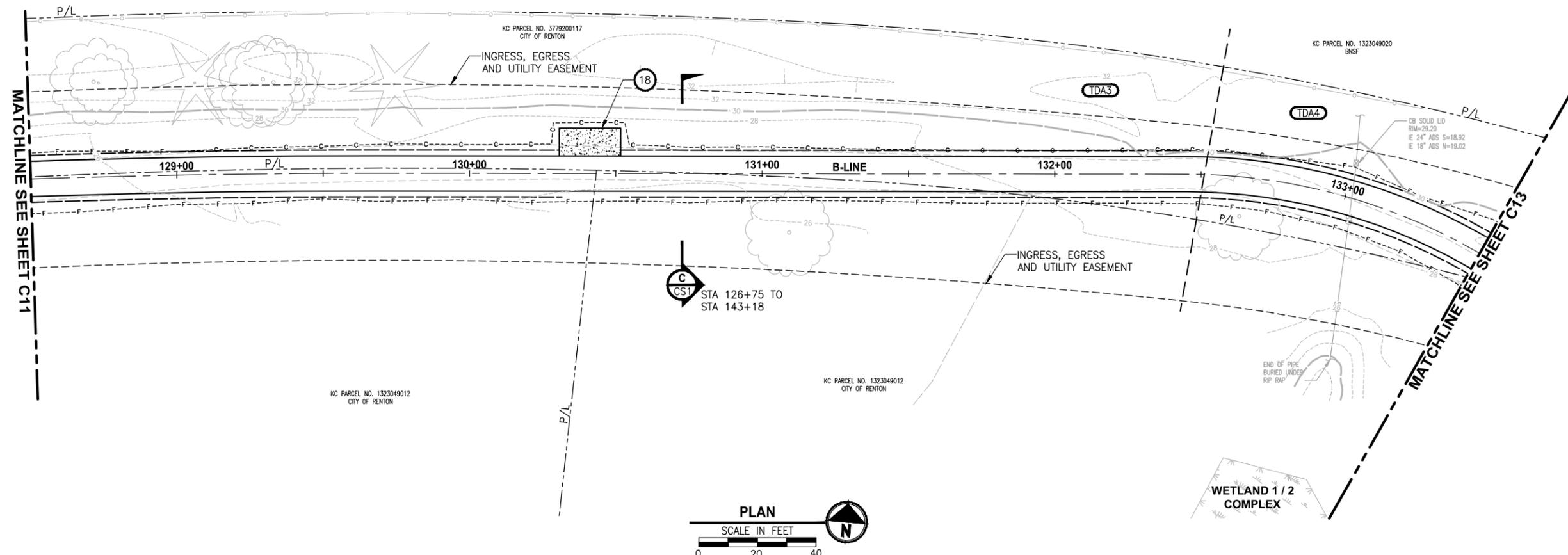
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 411 108TH AVENUE N.E., SUITE 1800
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PROJECT NAME
LAKE TO SOUND TRAIL SEGMENT A
 GREEN RIVER TRAIL TO NACHES AVE SW

PLAN AND PROFILE

DRAWING NO.
 29 OF 45
C11

PATH: U:\Ball\Projects\Clients\1521-King_City\54-1521-084_L251\995\CA00\Phase A\Task_21200C\Draw\ PLOTTED BY: purgaban DATE: Wednesday, October 09, 2013 12:20:54 PM LAYOUT: C12



B-LINE PROFILE
 HORIZ: 1"=20'
 VERT: 1"=5'

CIVIL CONSTRUCTION NOTES:

- NOTES 1-10 APPLY ONLY TO SHEETS C4 AND C5 AND HAVE NOT BEEN INCLUDED HERE.
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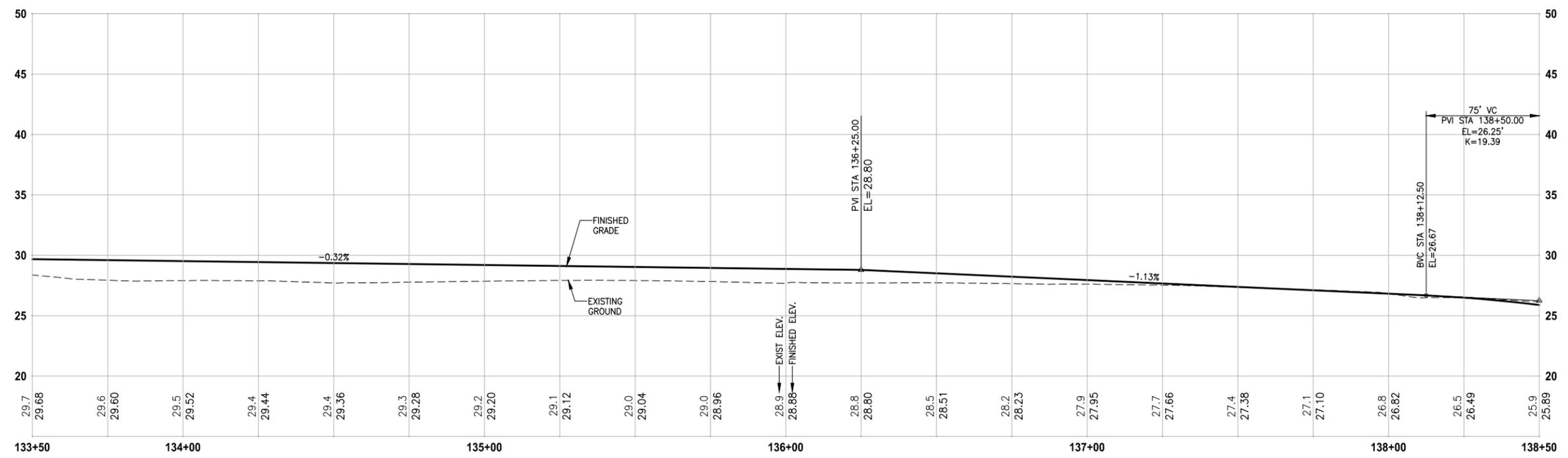
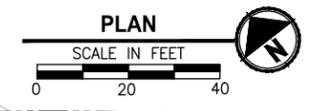
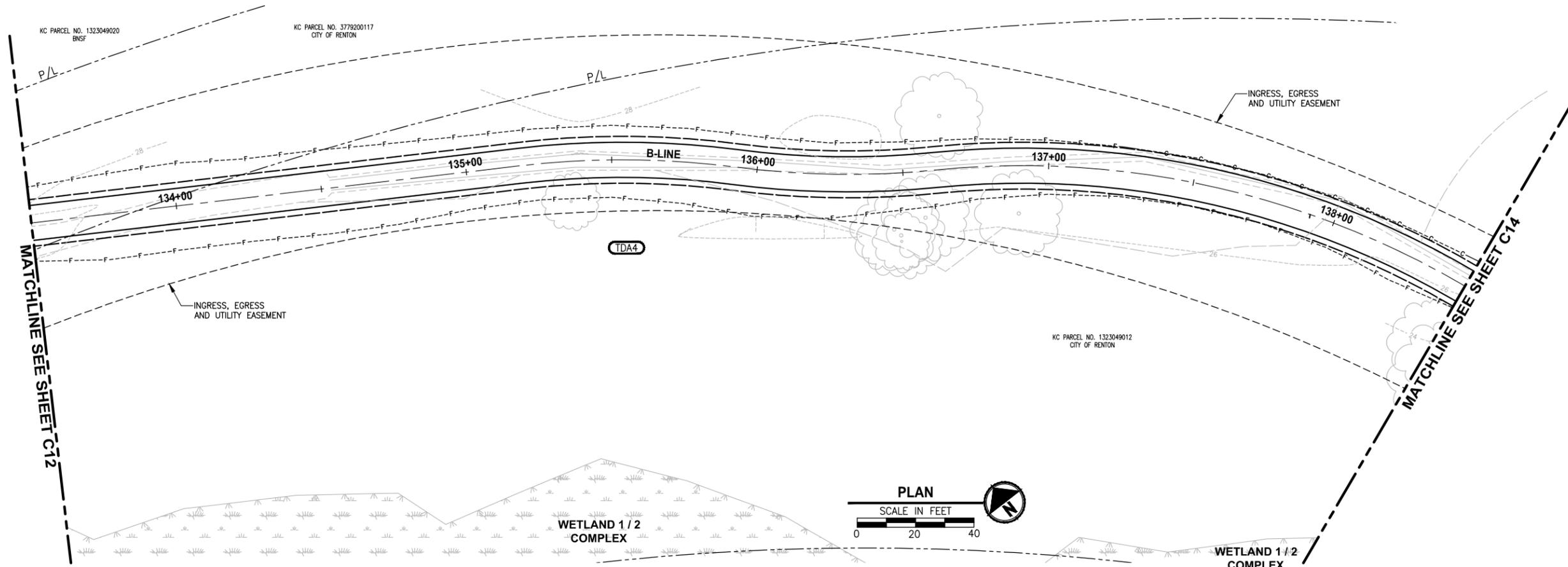
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PROJECT NAME
LAKE TO SOUND TRAIL SEGMENT A
 GREEN RIVER TRAIL TO NACHES AVE SW

PLAN AND PROFILE

DRAWING NO.
 30 OF 45
C12

PATH: U:\Rail\Projects\Clients\1521-King_City\54-1521-084_L25\995\CAAD\Phase A\Task_21200C\Draw\ LAYOUT: C13
 PLOTTED BY: purgabut DATE: Wednesday, October 09, 2013 12:21:20 PM



B-LINE PROFILE
 HORIZ: 1"=20'
 VERT: 1"=5'

CIVIL CONSTRUCTION NOTES:

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			C. SCHOTT

ONE INCH AT FULL SCALE, IF NOT, SCALE ACCORDINGLY
 FILE NAME: BL1521084PAT2T2CC-C1
 JOB No: 5941521084PBT2C
 DATE: JUNE 2013

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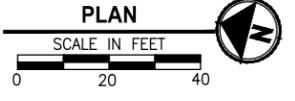
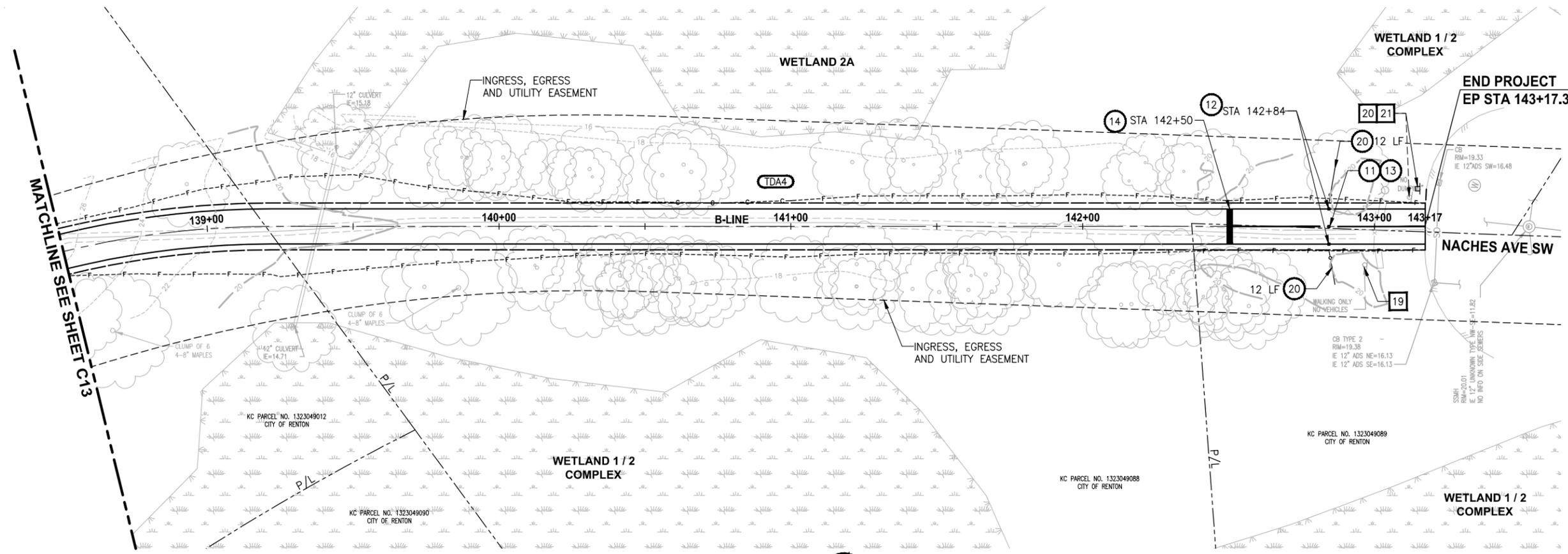
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PROJECT NAME
LAKE TO SOUND TRAIL SEGMENT A
 GREEN RIVER TRAIL TO NACHES AVE SW

PLAN AND PROFILE

DRAWING NO.
 31 OF 45
C13

PATH: U:\Ball\Projects\Clients\1521-King_City\54-1521-084_L25\995\CAAD\Phase A\Task_21200C\Draw\ PLOTTED BY: purgubut DATE: Wednesday, October 09, 2013 12:21:36 PM LAYOUT: C14



CIVIL CONSTRUCTION NOTES:

- NOTES 1-10 APPLY ONLY TO SHEETS C4 AND C5 AND HAVE NOT BEEN INCLUDED HERE.
- 11 INSTALL REMOVABLE BOLLARD PER DETAIL 1, SHEET D1.
 - 12 INSTALL FIXED BOLLARD PER DETAIL 2, SHEET D1.
 - 13 INSTALL BOLLARD STRIPING PER DETAIL 5, SHEET D1.
 - 14 INSTALL CONCRETE WARNING BAND PER DETAIL 4, SHEET D1.
 - 15 INSTALL FENCED CANOPY PER SHEET D3.
 - 16 INSTALL 48" CATCH BASIN TYPE 2 PER WSDOT STD. PLAN B-10.20-01 WITH ROUND HEAVY-DUTY BEEHIVE GRATE.
 - 17 INSTALL CORRUGATED POLYETHYLENE STORM SEWER PIPE 12 IN. DIAM., LENGTH AS NOTED ON PLANS. CONNECT PIPE TO NEW STRUCTURE AND EXISTING PIPE.
 - 18 INSTALL TYPE 1 REST STOP. SEE DETAIL 2, SHEET D2.
 - 19 INSTALL PVC STORM SEWER PIPE 12 IN. DIAM., LENGTH AS NOTED ON PLANS. CONNECT PIPE TO EXISTING PIPE.
 - 20 BLACK VINYL TYPE 4 CHAIN LINK FENCE PER WSDOT STD PLAN L-20.10-02.

CHANNELIZATION NOTES:

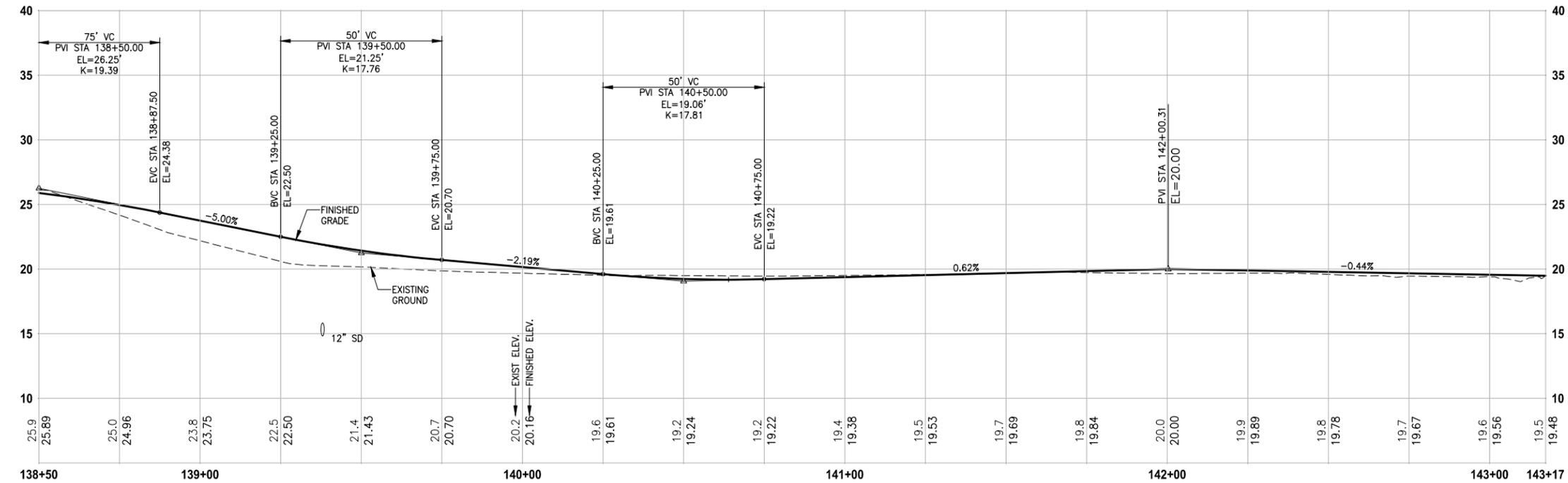
- 1 INSTALL DOUBLE YELLOW CENTER LINE, PER COR STD. PLAN H001 AND H007.
- 2 INSTALL WHITE EDGE LINE PER WSDOT STD. PLAN M-20.10-02.
- 3 INSTALL THERMOPLASTIC CROSSWALK PER COR STD. PLAN 127.
- 4 INSTALL THERMOPLASTIC 24-INCH STOP BAR PER COR STD. PLAN H008.
- 5 INSTALL DETECTABLE WARNING SURFACE PER WSDOT STD. PLAN F-45.10-01.
- 6 INSTALL THERMOPLASTIC RAILROAD CROSSING PER WSDOT STD. PLAN M-11.10-01.
- 7 INSTALL DETECTABLE WARNING SURFACE PER WSDOT STD. PLAN F-45.10-01.

GENERAL NOTE:

1. SEE SHEET CS1 FOR TYPICAL CROSS SECTIONS.
2. SEE SPECIAL PROVISIONS FOR ROOT PRUNING AND DE-LIMBING OF TREES OR SHRUBS ALONG THE TRAIL ALIGNMENT.

LEGEND:

- TDA# DRAINAGE THRESHOLD DISCHARGE AREA ID NO.
- TDA BOUNDARY



B-LINE PROFILE
 HORIZ: 1"=20'
 VERT: 1"=5'

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			J. JUN
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			Y. HO
			C. SCHOTT

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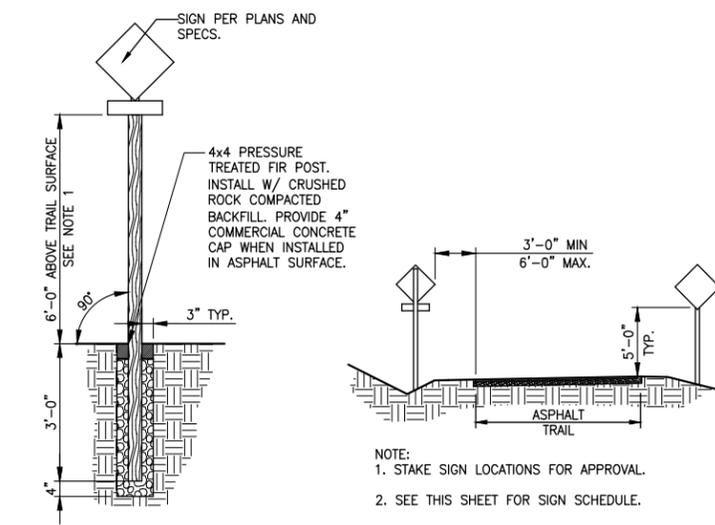
PROJECT NAME
LAKE TO SOUND TRAIL SEGMENT A
 GREEN RIVER TRAIL TO NACHES AVE SW

PLAN AND PROFILE

DRAWING NO.
 32 OF 45
C14

SIGN SCHEDULE

SIGN NO.	PROPOSED LOCATION STA OFF	DESCRIPTION	MUTCD SIGN	SIZE	POST SIZE/TYPE	REMARKS - SEE NOTE 4
1	SEE SHEET TS1	CROSSWALK	D3-1	_ X 9"	N/A	SEE NOTE 1, BACK TO BACK WITH SIGN 2.
2	SEE SHEET TS1	CROSSWALK	D3-1	_ X 9"	N/A	SEE NOTE 1, BACK TO BACK WITH SIGN 1.
3	C 4+46	STOP HERE ON RED	R10-6a	24"x30"	4"x4" / WOOD	
4	C 5+38	STOP HERE ON RED	R10-6a	24"x30"	4"x4" / WOOD	
5	SEE SHEET TS1	CROSSWALK - STOP ON RED	R10-23	24"x30"	N/A	SEE NOTE 1.
6	SEE SHEET TS1	CROSSWALK - STOP ON RED	R10-23	24"x30"	N/A	SEE NOTE 1.
7	SEE SHEET TS1	BICYCLE/PEDESTRIAN SYMBOL	W11-15	30"x30"	N/A	SEE NOTES 2 & 3.
8	SEE SHEET TS1	BICYCLE/PEDESTRIAN SYMBOL	W11-15	30"x30"	N/A	SEE NOTES 2 & 3.
9	SEE SHEET TS1	TRAIL CROSSING	W11-15P	24"x18"	N/A	SEE NOTES 2 & 3.
10	SEE SHEET TS1	TRAIL CROSSING	W11-15P	24"x18"	N/A	SEE NOTES 2 & 3.
11	A 13+70	SIGNAL AHEAD	W3-3	18"x18"	4"x4" / WOOD	
12	C 5+00	BIKE ROUTE	D11-1	24"x18"	4"x4" / WOOD	
13	B 100+56	BIKE ROUTE	D11-1	24"x18"	4"x4" / WOOD	
14	C 2+51	BIKE ROUTE	D11-1	24"x18"	N/A	NOTE 2.
15	C 5+00	ARROW	M6-1	12"x9"	4"x4" / WOOD	
16	B 100+56	ARROW	M6-1	12"x9"	4"x4" / WOOD	
17	C 2+51	ARROW	M6-1	12"x9"	N/A	NOTE 2.
18	B 100+50	EXISTING TRAIL SIGN	N/A	N/A	4"x4" / WOOD	EXISTING SIGN, NEW POST.
19	B 142+97	EXISTING TRAIL SIGN	N/A	N/A	N/A	PROTECT IN PLACE
20	B 143+15	NO DUMPING	N/A	N/A	4"x4" / WOOD	EXISTING SIGN, NEW POST.
21	B 143+15	NO STOPPING OR STANDING	N/A	N/A	N/A	REMOVE AND DISPOSE

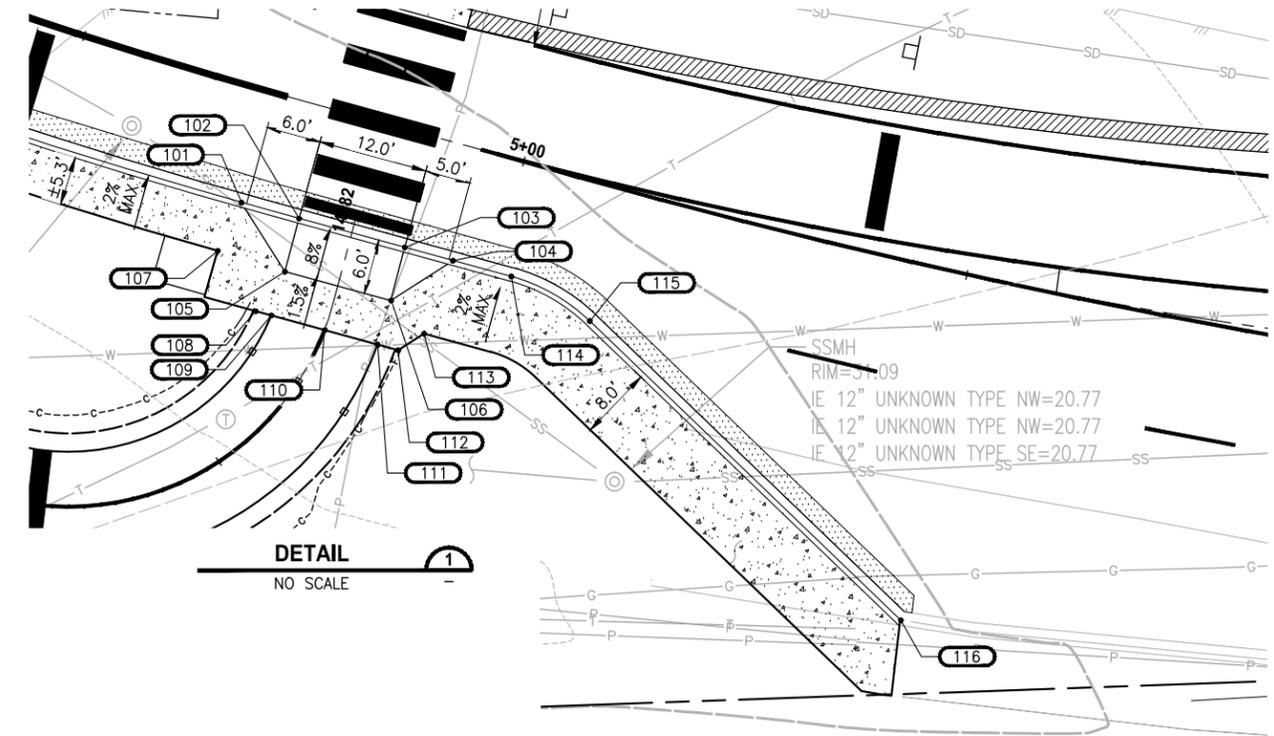


**SIGNAGE
DETAIL**
NOT TO SCALE

- NOTES:**
1. MOUNT ON MAST ARM, PER CITY OF RENTON STANDARD PLAN G011.
 2. MOUNT ON SIGNAL OR LIGHT STANDARD, PER WSDOT STD. PLAN G-30.10-01.
 3. FLUORESCENT YELLOW-GREEN BACKGROUND.
 4. ALL SIGNS SHALL BE INSTALLED IN ACCORDANCE WITH DETAIL 2, THIS SHEET, UNLESS SPECIFIED OTHERWISE IN THE REMARKS.
 5. SEE PLAN AND PROFILE SHEETS FOR SIGN LOCATIONS.

CURB RAMP DATA

POINT	ELEVATION	DESCRIPTION	NORTHING	EASTING
101	31.32	TOC	176365.48	1290722.95
102	30.76	FL	176363.75	1290729.23
103	30.66	FL	176360.58	1290740.80
104	31.12	TOC	176359.14	1290746.07
105	31.20	BACK OF RAMP	176357.95	1290727.69
106	31.10	BACK OF RAMP	176354.78	1290739.27
107	31.44	BOW	176360.23	1290720.35
108	31.29	BOW	176353.64	1290724.50
109	31.28	BOW	176353.17	1290726.21
110	31.23	CENTER OF TRAIL/RAMP	176351.57	1290732.04
111	31.18	BOW	176349.98	1290737.85
112	31.16	BOW	176349.37	1290740.09
113	31.28	BOW	176351.19	1290742.93
114	30.53	FL	176355.12	1290757.99
115	30.49	FL	176357.11	1290753.48
116	30.21	FL	176352.56	1290795.07



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LAYOUT: C15
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			B. PURGANAN
			Y. HO
			C. SCHOTT

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 FILE NAME
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 JOB No.
 5541521084PBT2C
 DATE
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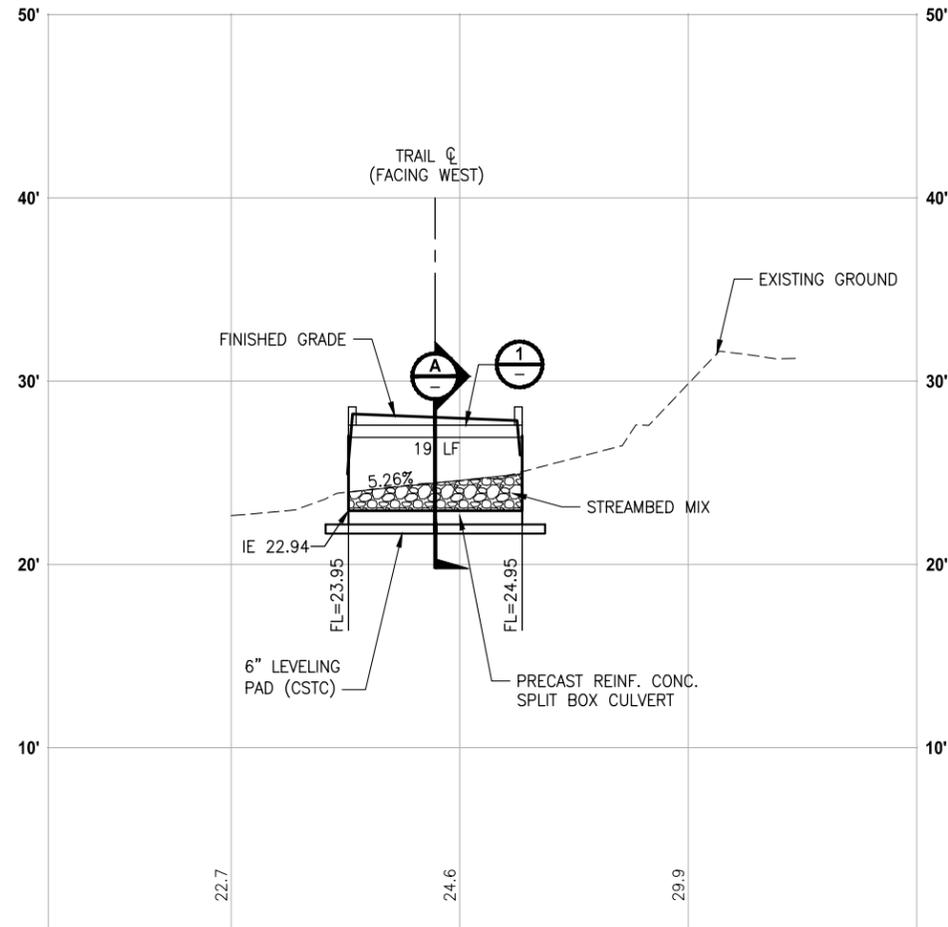
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PROJECT NAME
**LAKE TO SOUND TRAIL
SEGMENT A**
 GREEN RIVER TRAIL TO NACHES AVE SW

**SIGN SCHEDULE AND
RAMP DETAIL**

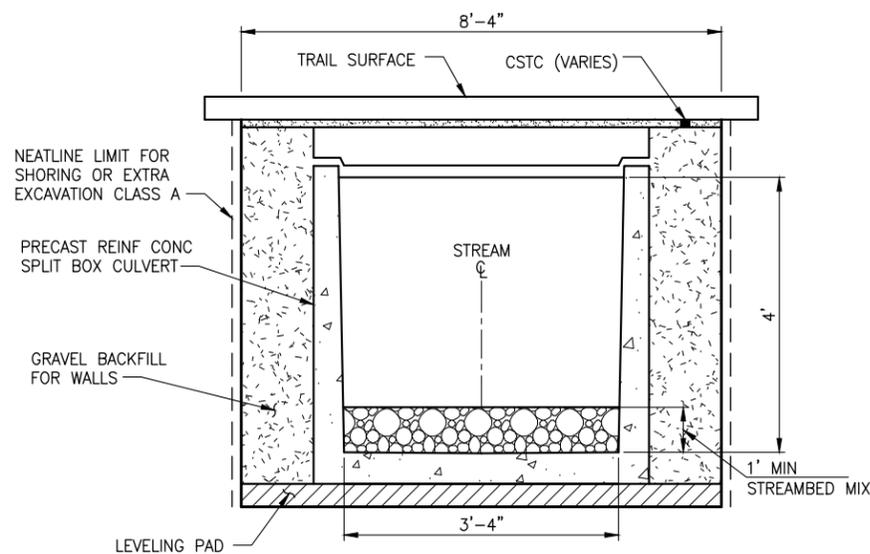
DRAWING NO.
 33 OF 45
C15

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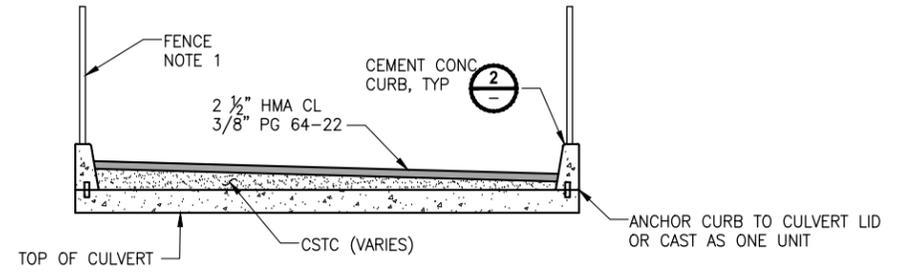


**STA 125+95
(FACING WEST)
PROFILE**

HORIZ: 1"=10'
VERT: 1"=5'

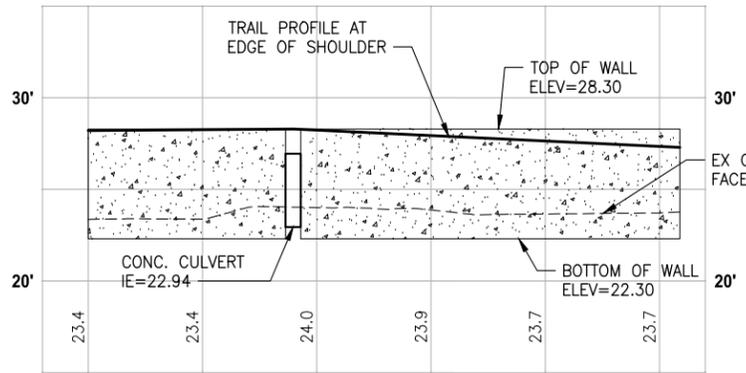


**SECTION
A**
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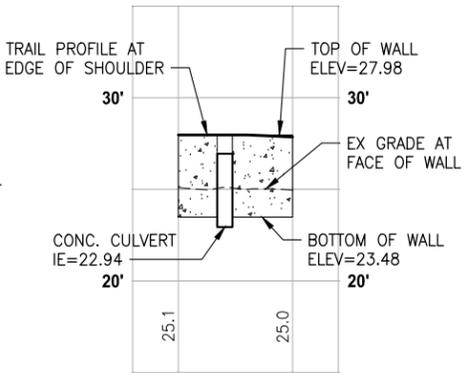


**CULVERT COVER
DETAIL
1**
NO SCALE

NOTE:
1. PLACE FENCE POSTS ON EITHER SIDE OF
CULVERT. DO NOT CONNECT TO CURB.



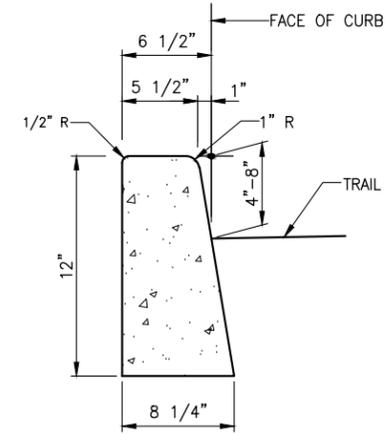
**WALL #1
RIGHT SIDE WALL
(STA 125+45 TO STA 126+75)**



**WALL #2
LEFT SIDE WALL
(STA 125+85 TO STA 126+10)**

**BLOCK WALL
PROFILE**

HORIZ: 1"=20'
VERT: 1"=5'



**CEMENT CONCRETE CURB
DETAIL
2**
NO SCALE

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REVISIONS	DATE	BY	DESIGNED
			C. BUITRAGO
			M. MILLER
			Y. HO
			C. SCHOTT

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FILE NAME	BL1521084PAT2T2SD-01
JOB No.	5341521084PBT2C
DATE	JUNE 2013

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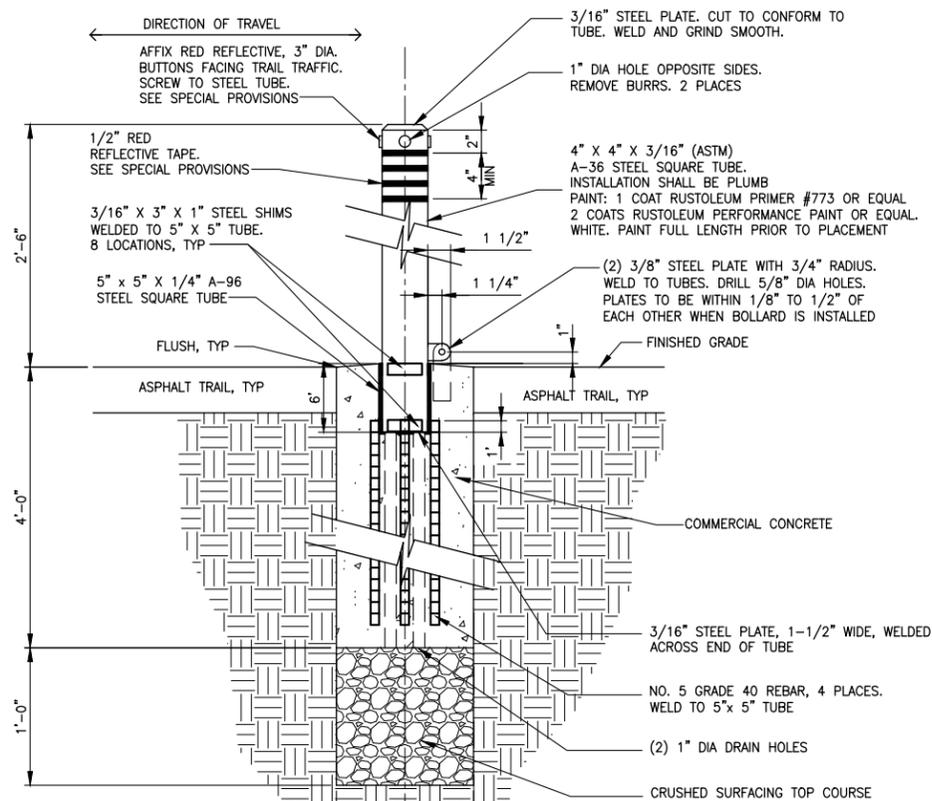
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PROJECT NAME
**LAKE TO SOUND TRAIL
SEGMENT A**
GREEN RIVER TRAIL TO NACHES AVE SW

**STORM DRAINAGE DETAILS
AND BLOCK WALL PROFILES**

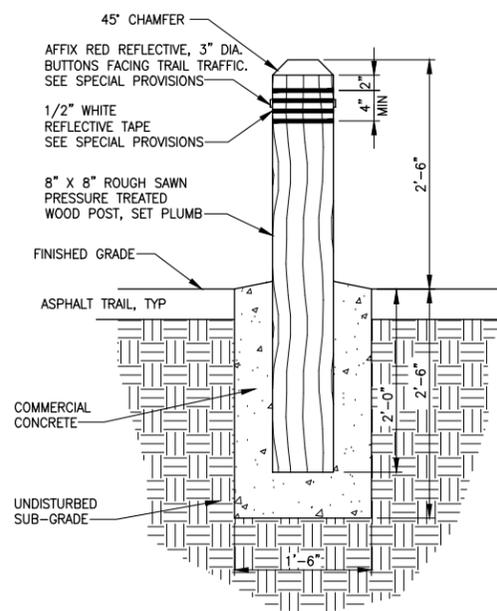
DRAWING NO.
34 OF 45
SD1

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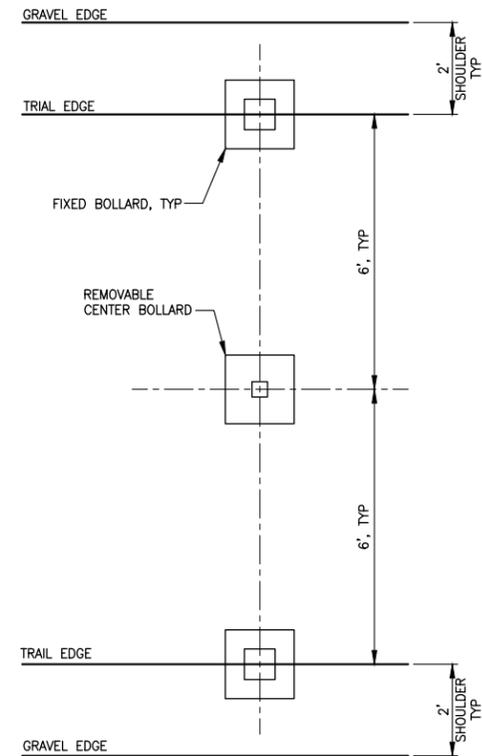


- NOTES:**
- PADLOCK SHALL BE MASTER KEYED ALIKE TOSM-737 WITH NO. 5LF SHACKLE, OWNER PROVIDED.
 - SLOPE TOP OF CONCRETE FOOTING TO DRAIN AWAY FROM POST.
 - HOT DIP GALV. & PRIME PAINT - FINISH COLOR TO BE WHITE MARINE ENAMEL.

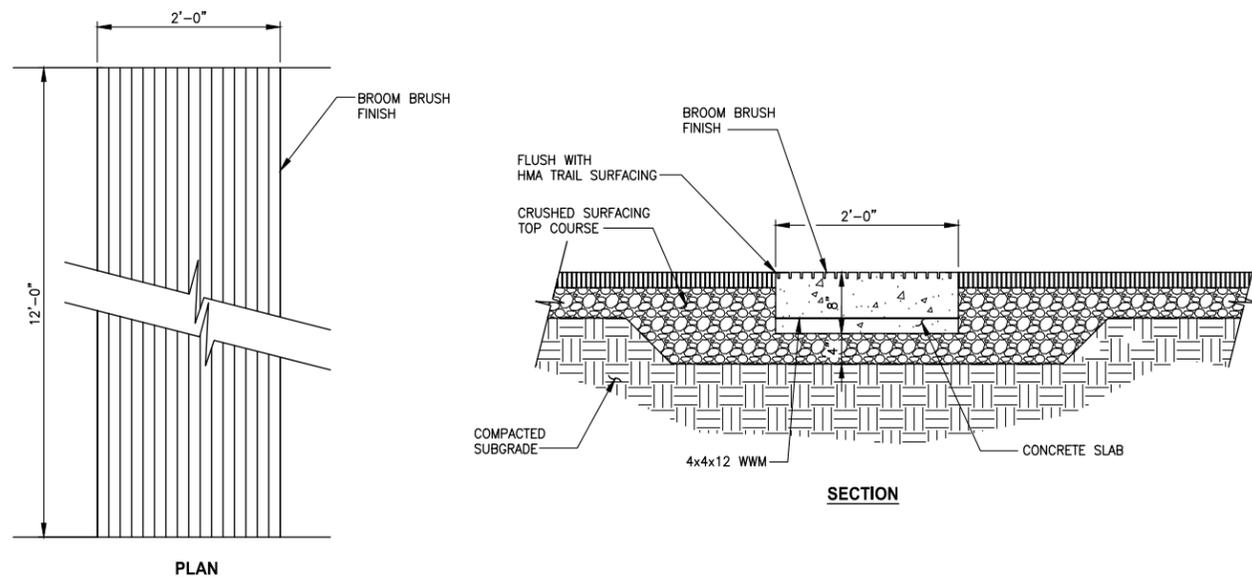
**REMOVABLE BOLLARD
DETAIL**
NOT TO SCALE



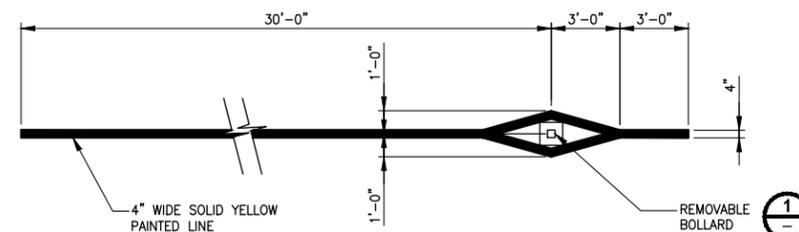
**FIXED BOLLARD
DETAIL**
NOT TO SCALE



**BOLLARD PLAN LOCATION
DETAIL**
NOT TO SCALE



**CONCRETE WARNING BAND
DETAIL**
NOT TO SCALE



**BOLLARD STRIPING
DETAIL**
NOT TO SCALE

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REVISIONS	DATE	BY	DESIGNED
			J. JUN
			B. PURGANAN
			Y. HO
			C. SCHOTT

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JOB No. 5541521084PBT2C
DATE JUNE 2013

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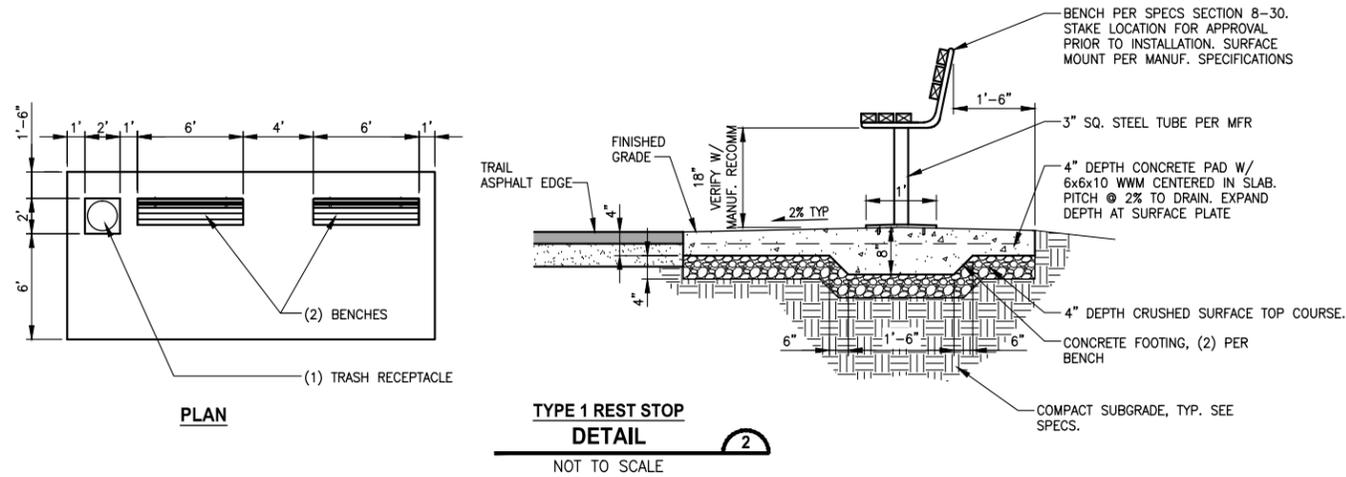
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PROJECT NAME LAKE TO SOUND TRAIL SEGMENT A GREEN RIVER TRAIL TO NACHES AVE SW
--

DETAILS

DRAWING NO. 35 OF 45
D1

LAYOUT: D2 PATH: U:\Bain\Projects\Clients\1521-King_City\554-1521-084_L2S1\995\cs\CADD\Phase A\Task 21200C\Draw\ PLOTTED BY: purgabub DATE: Wednesday, October 09, 2013 12:22:30 PM



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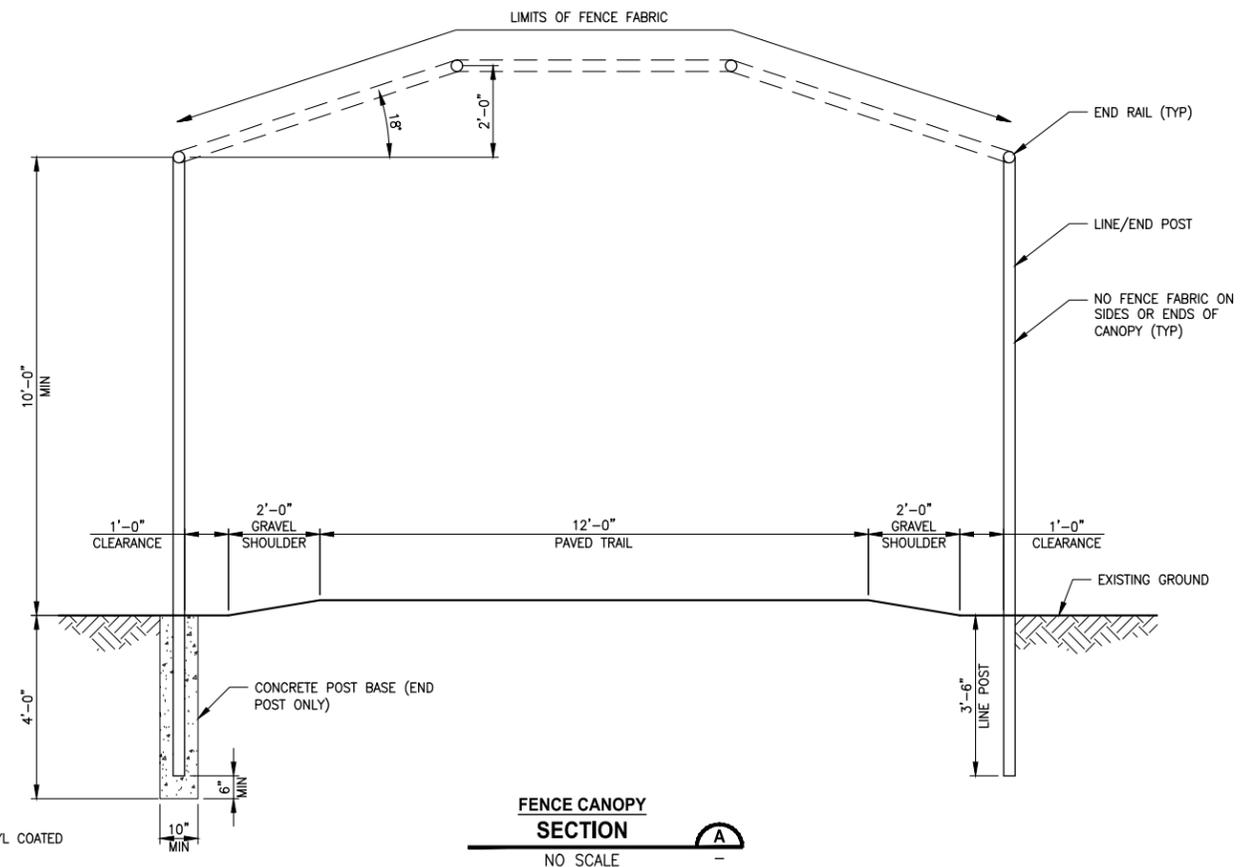
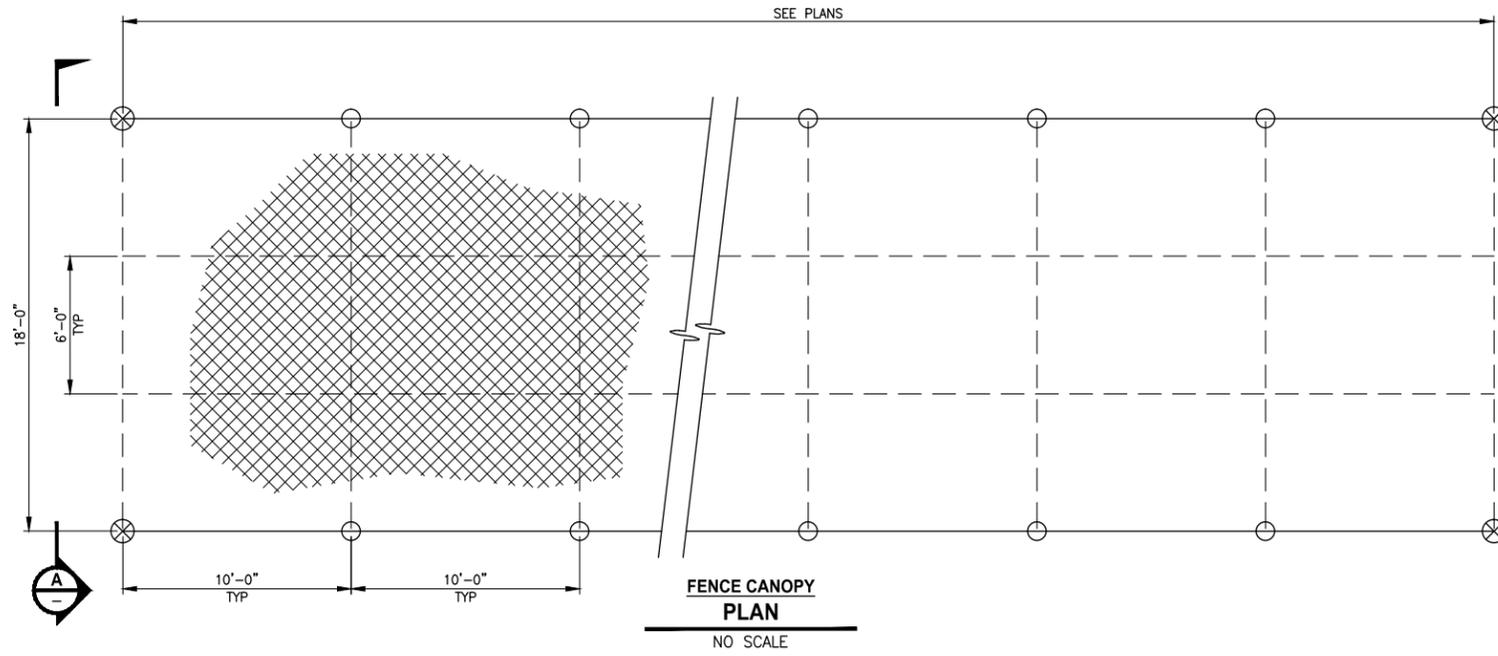
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PROJECT NAME LAKE TO SOUND TRAIL SEGMENT A GREEN RIVER TRAIL TO NACHES AVE SW

DETAILS

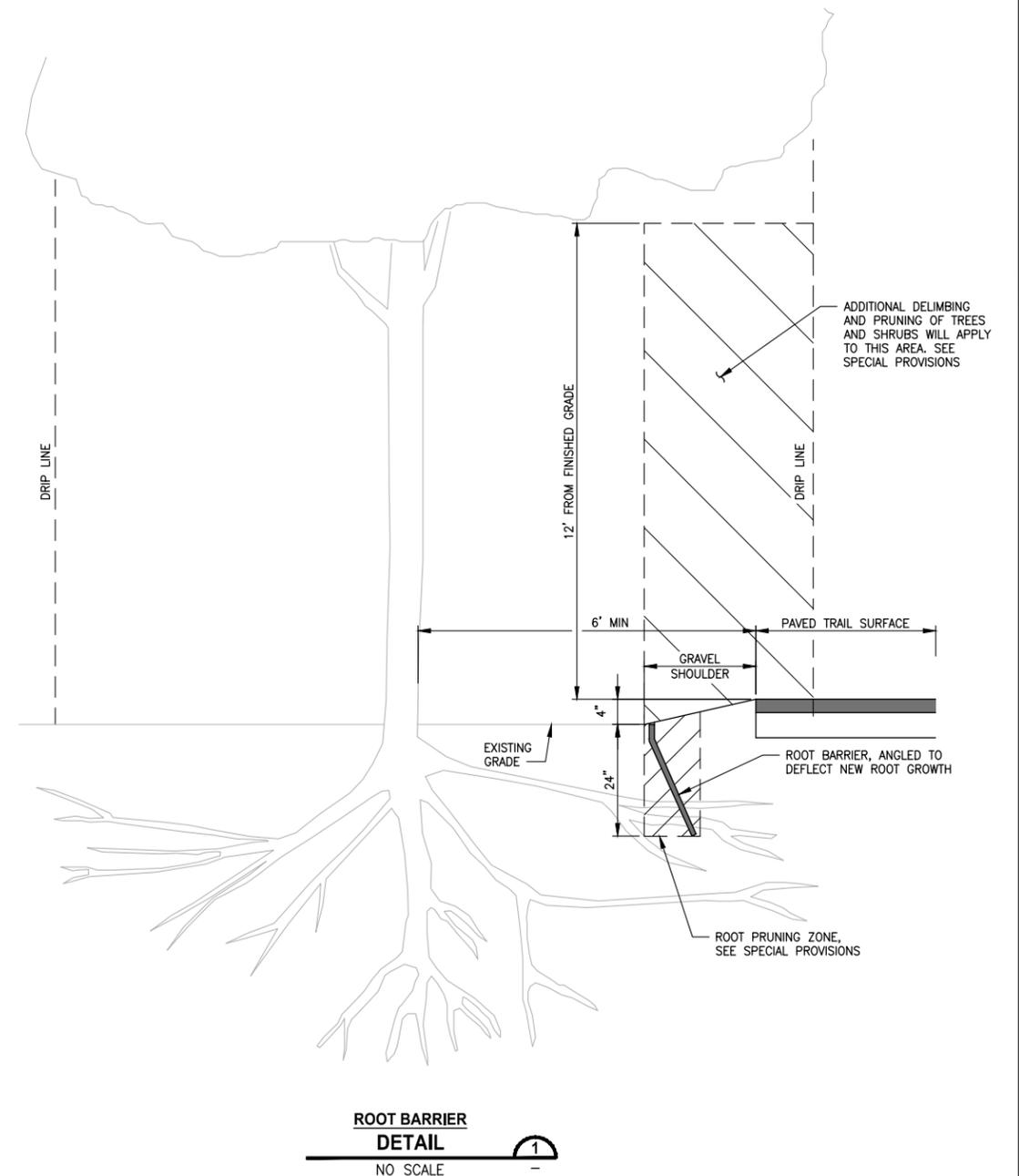
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LAYOUT: D3 PATH: U:\Bain\Projects\Clients\1521-king City\554-1521-084_L25T\995vcs\CADD\Phase A\Task 21200C\Draw\ PLOTTED BY: purgabub DATE: Wednesday, October 09, 2013 12:22:35 PM



- LEGEND:**
- END RAIL 1 7/8" SCH 40
 - TOP RAIL 1 5/8" SCH 40
 - ⊗ END POST 2 3/4" SCH 40
 - LINE POST 2 3/4" SCH 40
 - ▨ 1 3/4" FENCE MESH, BLACK VINYL COATED TO 9 GAUGE FINISH

- NOTES:**
1. ALL POSTS AND RAILS SHALL BE POWDER-COATED BLACK
 2. SEE WSDOT STD PLAN L-20.10-02 FOR ATTACHMENT OF FENCE FABRIC TO POST



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REVISIONS	DATE	BY	DESIGNED
			J. DVORAK
			K. BRAATEN
			Y. HO
			C. SCHOTT

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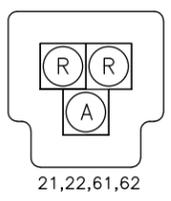
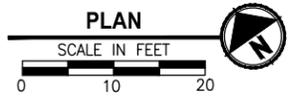
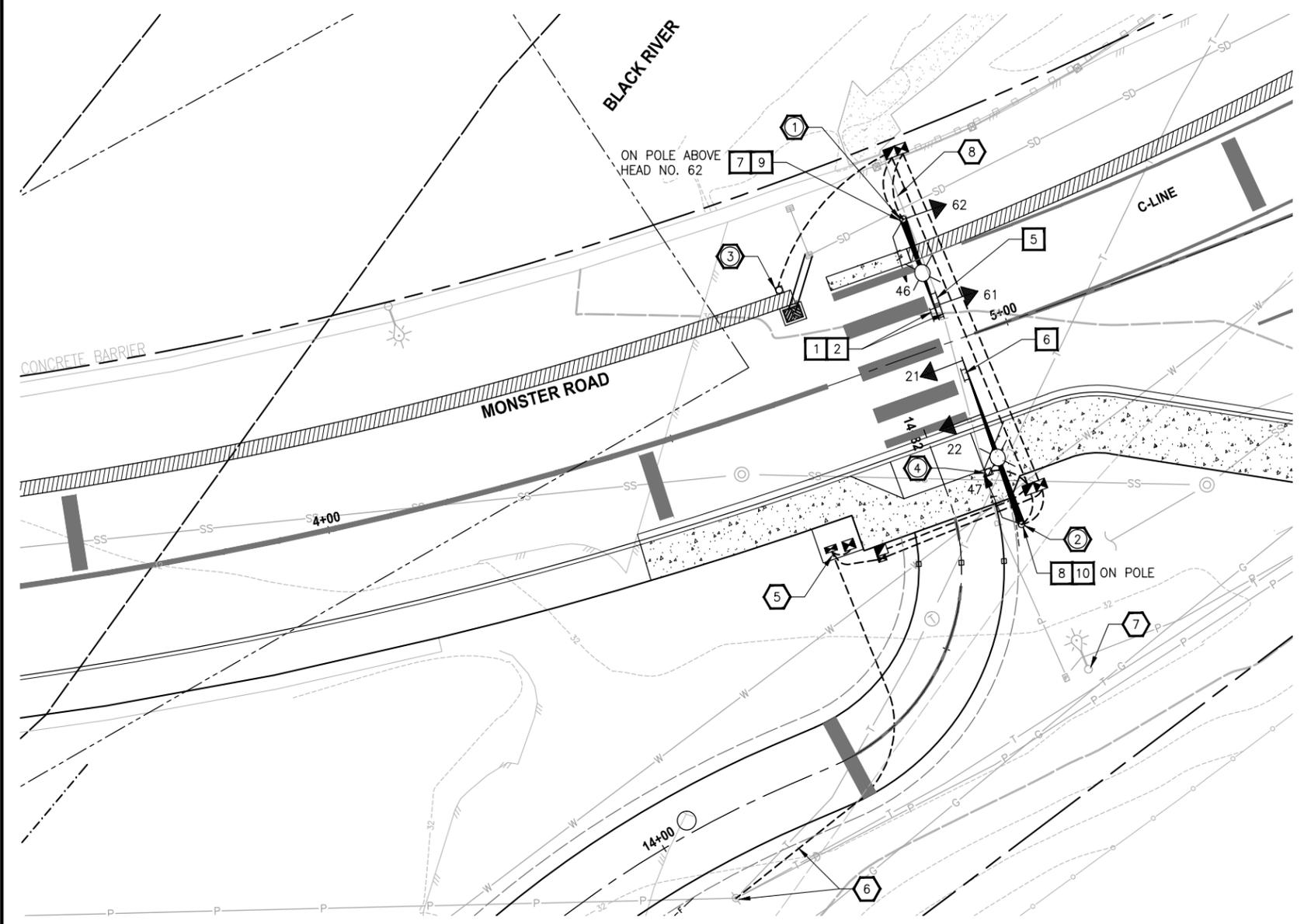
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PROJECT NAME
LAKE TO SOUND TRAIL SEGMENT A
 GREEN RIVER TRAIL TO NACHES AVE SW

DETAILS

DRAWING NO.
 37 OF 45
D3

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21,22,61,62

SIGNAL DISPLAYS



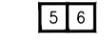
46,47



D3-1 (MOD)
BLACK ON YELLOW



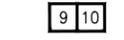
R10-23



SIGNS



W11-15P



NOTES:

- ① CONSTRUCT FOUNDATION AND FURNISH AND INSTALL TYPE III SIGNAL POLE WITH 15 FT MAST ARM AND SIGNAL EQUIPMENT PER SIGNAL STANDARD DETAIL SHEET AND SIGNAL POLE EQUIPMENT SCHEDULE.
- ② CONSTRUCT FOUNDATION AND FURNISH AND INSTALL TYPE III SIGNAL POLE WITH 25 FT MAST ARM AND SIGNAL EQUIPMENT PER SIGNAL STANDARD DETAIL SHEET AND SIGNAL POLE EQUIPMENT SCHEDULE.
- ③ CONSTRUCT FOUNDATION AND FURNISH AND INSTALL MODIFIED TYPE PPB POLE WITH SIGNAL EQUIPMENT PER SIGNAL POLE EQUIPMENT SCHEDULE AND DETAIL 5 ON SHEET TS4.
- ④ CONSTRUCT FOUNDATION AND FURNISH AND INSTALL MODIFIED TYPE PPB POLE WITH SIGNAL EQUIPMENT PER SIGNAL POLE EQUIPMENT SCHEDULE AND DETAIL ON SHEET TS4.
- ⑤ CONSTRUCT COMBINATION TRAFFIC SIGNAL CONTROLLER/ELECTRICAL SERVICE CABINET FOUNDATION PER DETAIL 1 ON SHEET TS5. PROVIDE AND INSTALL ELECTRICAL SERVICE CABINET PER COR STD DETAIL 122.1 AND BREAKER SCHEDULE ON SHEET TS4. PROVIDE AND INSTALL TYPE M TS2 TYPE 1 SIGNAL CONTROLLER CABINET WITH SIEMENS M50 CONTROLLER AND ASSOCIATED EQUIPMENT.
- ⑥ PROVIDE AND INSTALL CONDUIT, SERVICE WIRE AND RISER ON EXISTING PUGET SOUND ENERGY (PSE) POLE PER PSE STANDARDS FOR SERVICE CONNECTION BY PSE (DESIGN TEAM TO CONFIRM WITH PSE PRIOR TO 90% SUBMITTAL).
- ⑦ REMOVE AND SALVAGE EXISTING LIGHT POLE. REMOVE WIRING TO ADJACENT JUNCTION BOX, CUT ANCHOR BOLTS AND CONDUIT STUB FLUSH WITH EXISTING GRADE. PLUG EXISTING CONDUIT WITHIN 1/4" OF FLUSH WITHIN TOP OF EXISTING GRADE.
- ⑧ PROTECT AND/OR RESTORE EXISTING ILLUMINATION CONDUIT AND WIRING DISTURBED BY TRAFFIC SIGNAL SYSTEM CONSTRUCTION.

SIGNAL SEQUENCING OPERATION

STEP	VEHICLE SIGNALS	PED SIGNAL	TIME	VEHICLE SIGNAL REMARKS
1		SOLID HAND	-	DARK UNTIL ACTIVATED
2		SOLID HAND	3	FLASHING YELLOW UPON ACTIVATION
3		SOLID HAND	3	SOLID YELLOW VEHICLE CLEARANCE
4		PEDESTRIAN WALK INTERVAL	7	SOLID DOUBLE RED
5		PEDESTRIAN CLEARANCE INTERVAL	20	ALTERNATING FLASHING DOUBLE RED
6		SOLID HAND	60	DARK AGAIN UNTIL ACTIVATED, MIN TIME UNTIL NEXT ACTIVATION

NOTES:

1. IF THE HYBRID PEDESTRIAN TRAFFIC SIGNAL GOES INTO FLASH, THE PEDESTRIAN INDICATIONS SHALL GO DARK AND THE VEHICLE INDICATIONS SHALL FLASH YELLOW IN BOTH DIRECTIONS.
2. I/O MAPPING AND ASSIGNMENT OF LOAD SWITCHES TO IMPLEMENT THE ABOVE NOTED SIGNAL SEQUENCING SHALL BE PER SIEMENS/SEPAC RECOMMENDATIONS FOR THE HAWK PED SEQUENCE.

SIGNAL POLE EQUIPMENT SCHEDULE

POLE/NOTE NUMBER	POLE TYPE	STATION	OFFSET TO POLE CL (FT)	EVP DETECTOR	VEH SIGNALS		PED SIGNALS		PEDESTRIAN PUSH BUTTONS			LUMINAIRE
					QUANT.	MTG TYPE	QUANT.	MTG TYPE	TYPE	QUANT.	MTG TYPE	
①	III	4+91.1	18.5 LT	1	1 1	L (#61) K (#62)	1	B	APS	1	PPB-M	R10-3e(R) 150W HPS MC3
②	III	4+92.4	27.5 RT	1	1 1	L (#21) K (#22)	1	B	CONV. (2)	2	PPB-MR	R10-4001 R10-4002 150W HPS MC3
③	PPB-MOD. (1)	4+71.2	15.1 LT						CONV. (2)	2	PPB-MR	R10-4001 R10-4002
④	PPB	4+90.5	19.0 RT						APS	1	PPB-M	R10-3e(L)

(1) SEE DETAIL 5 ON SHEET TS4
 (2) CONVENTIONAL H-EXTRUSION ASSEMBLY PER WSDOT STD PLAN J-20.26

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REVISIONS	DATE	BY	DESIGNED
			S. SCHOTT
			DRAWN K. BRAATEN
			CHECKED Y. HO
			APPROVED C. SCHOTT

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FILE NAME
BL1521084PAT2T2CC-TS1

JOB No.
5941521084PBT2C

DATE
JUNE 2013

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PROJECT NAME
LAKE TO SOUND TRAIL SEGMENT A

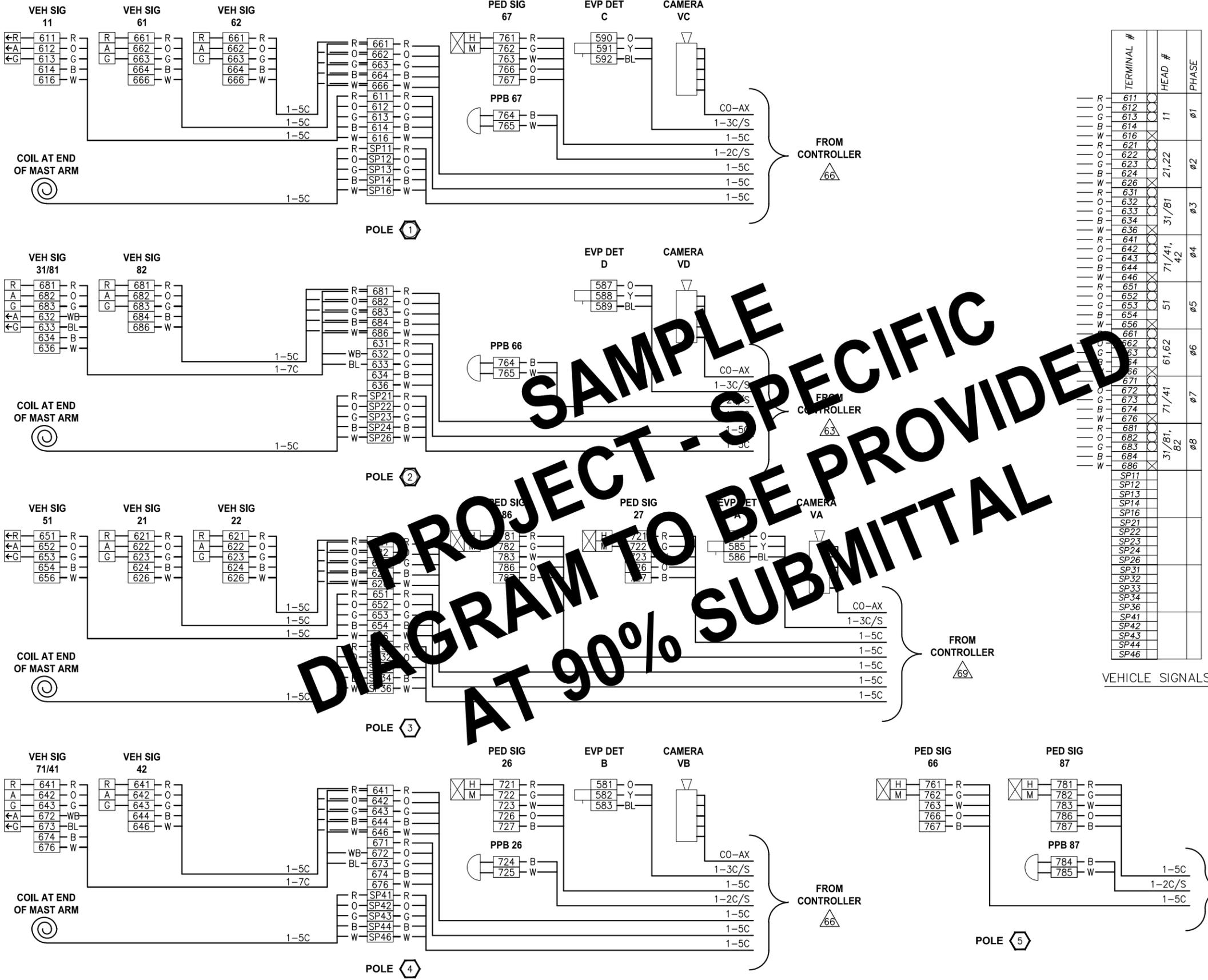
GREEN RIVER TRAIL TO NACHES AVE SW

SIGNAL PLAN

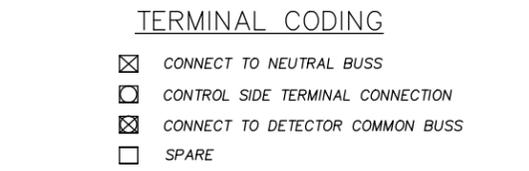
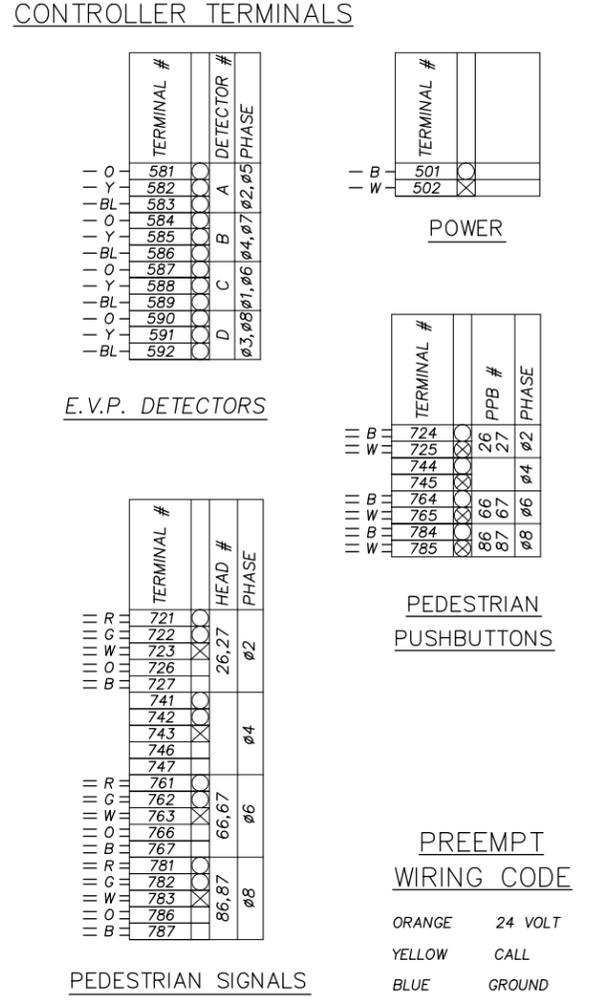
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38 OF 45

TS1

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TERMINAL #	HEAD #	PHASE
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O 612		
G 613		
B 614		
W 616		
R 621		
O 622		
G 623		
B 624		
W 626		
R 631		
O 632		
G 633		
B 634		
W 636		
R 641		
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W 996		
R 1001		
O 1002		
G 1003		
B 1004		
W 1006		



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			K. BRAATEN
			Y. HO
			C. SCHOTT

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FILE NAME: BL1521084PAT2T2CC-TS1
JOB No: 5941521084PB2C
DATE: JUNE 2013

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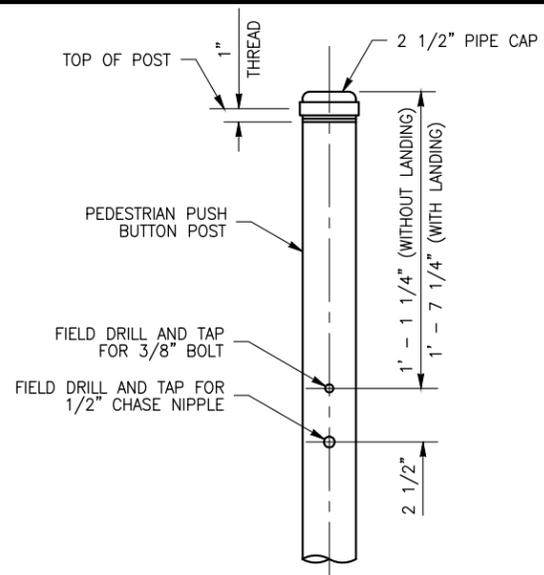
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PROJECT NAME
LAKE TO SOUND TRAIL
SEGMENT A
GREEN RIVER TRAIL TO NACHES AVE SW

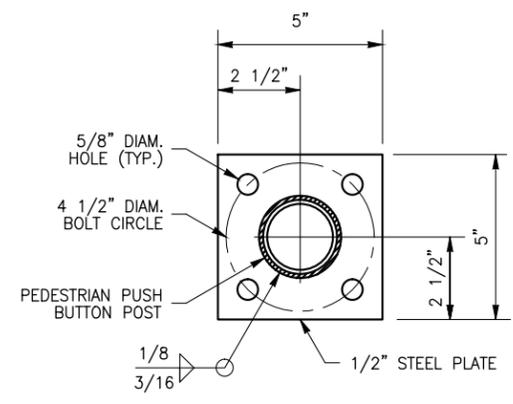
SIGNAL WIRING DIAGRAM

DRAWING NO.
39 OF 45
TS2

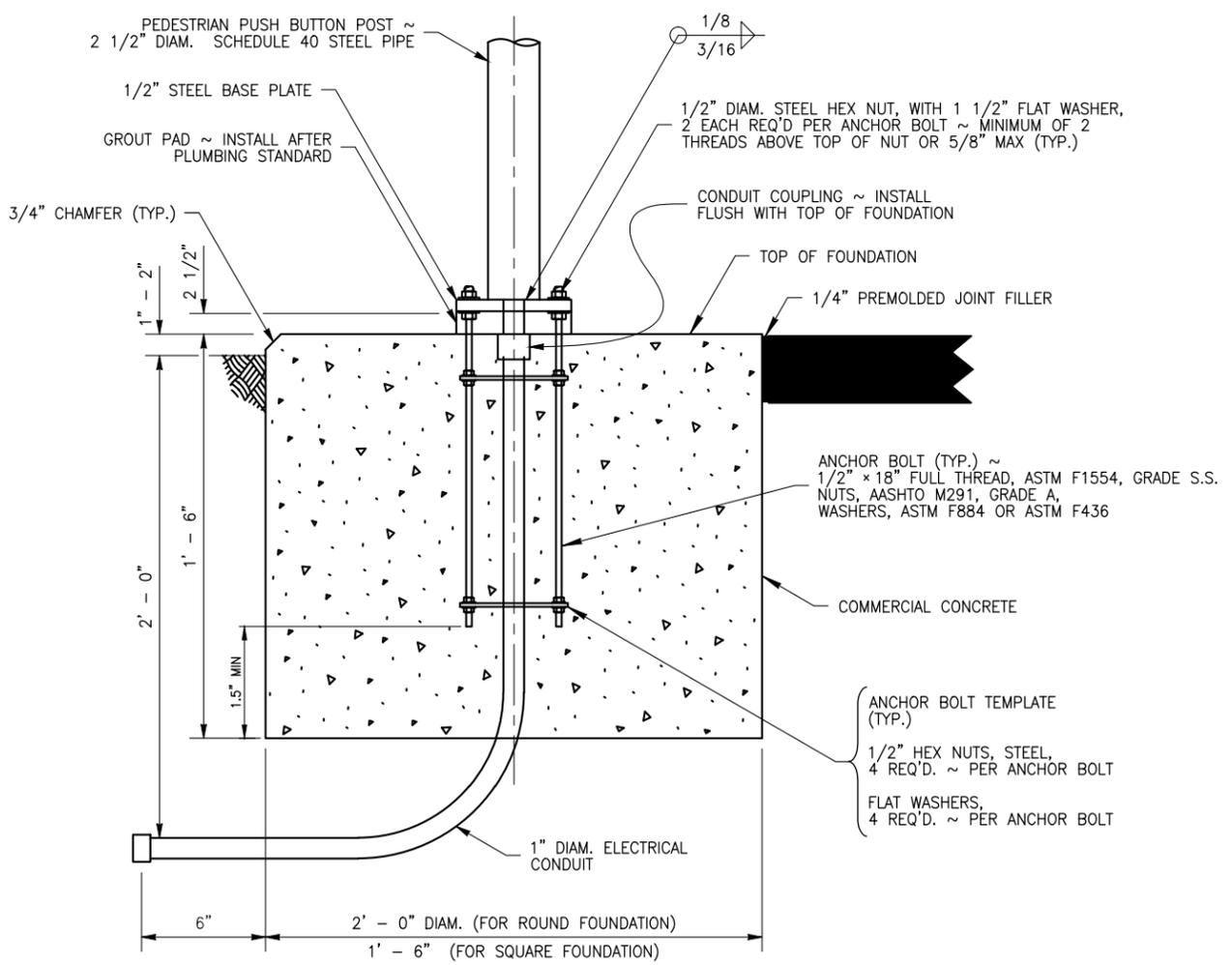
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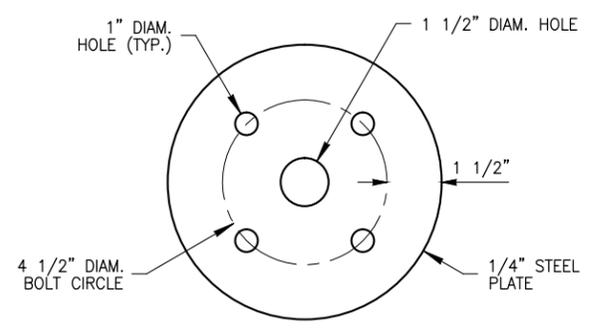
POST DETAIL
NO SCALE 1



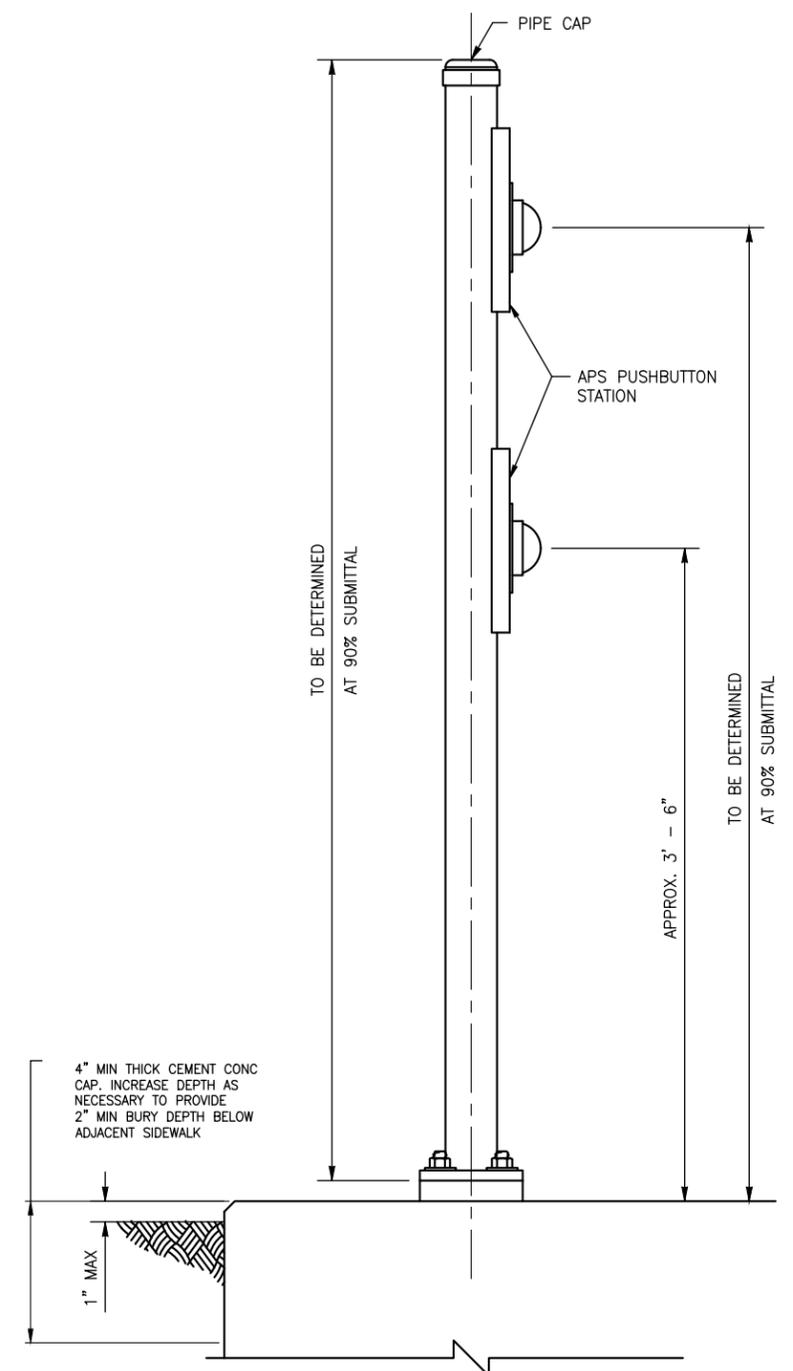
BASE PLATE DETAIL
NO SCALE 3



FOUNDATION DETAIL
NO SCALE 2



ANCHOR BOLT TEMPLATE DETAIL
NO SCALE 4



ELEVATION DETAIL
NO SCALE 5

NOTES
1. DETAILS SHOWN FOR PPB POLE. SIMILAR TYPE 1 OR TYPE PS POLES. SEE WSDOT STD PLAN J-21.10-02 FOR ADDITIONAL DETAILS.

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REVISIONS	DATE	BY	DESIGNED
			C. SCHOTT
			K. BRAATEN
			Y. HO
			C. SCHOTT

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FILE NAME	BL1521084PAT2T2CC-TS1
JOB No.	5341521084PBT2C
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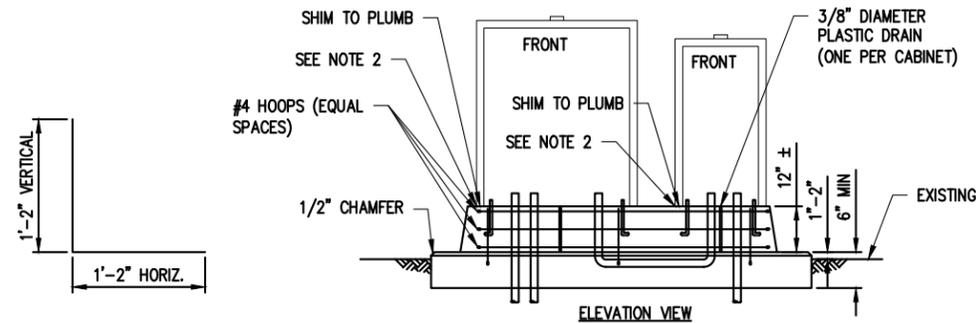
PROJECT NAME
LAKE TO SOUND TRAIL SEGMENT A
GREEN RIVER TRAIL TO NACHES AVE SW

PEDESTRIAN PUSH BUTTON POST DETAILS

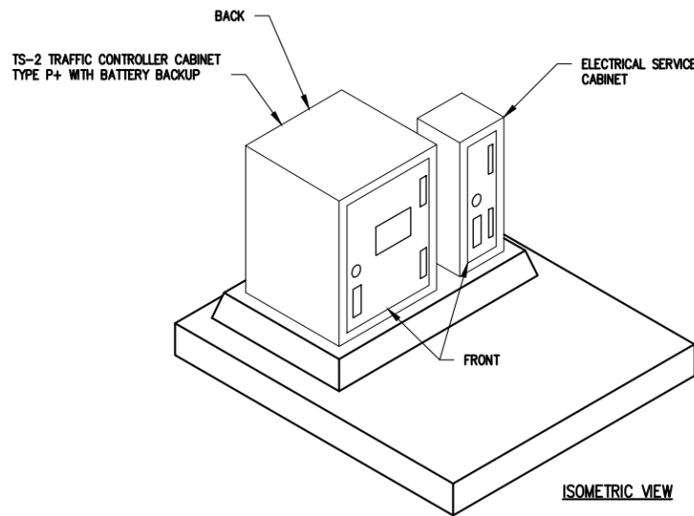
DRAWING NO.
41 OF 45
TS4

BREAKER SCHEDULE

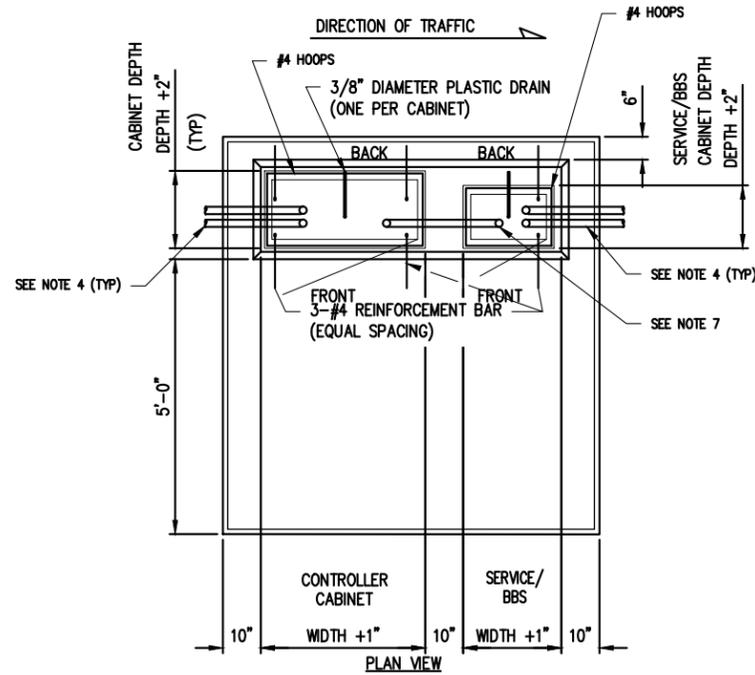
MAIN: 100 Amp, 120/240 V
 BRANCH BREAKERS
 SIGNAL: 50 Amp, 120V
 ILLUM CIRCUIT #1: 20 Amp, 240V
 CONTACTORS: 30 Amp (1 EA)



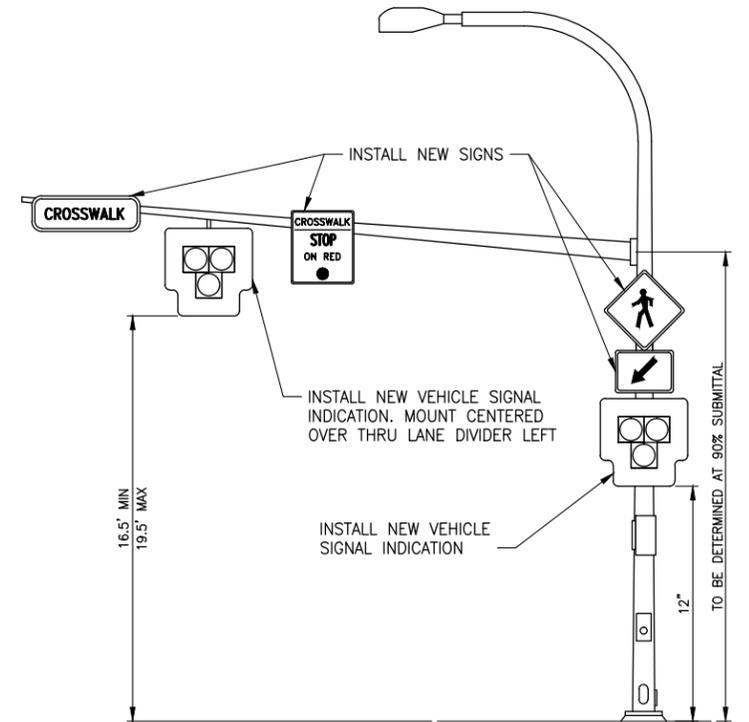
REINFORCEMENT BAR DIAGRAM
 4 PIECES



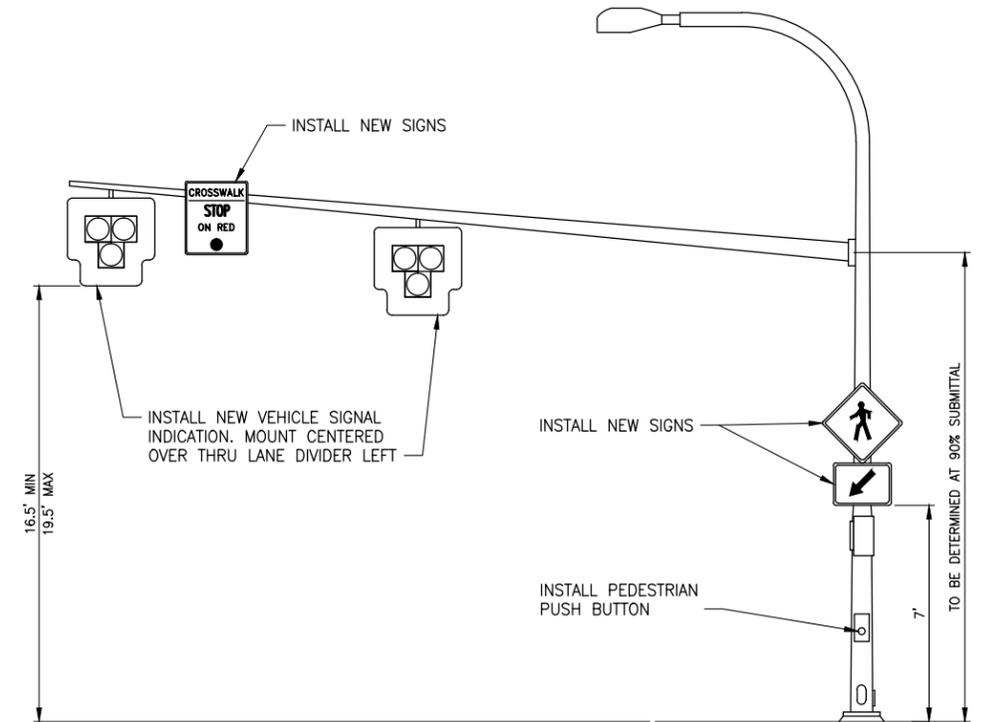
- NOTES:**
1. MOUNT TOP SHALL BE FINISHED BY A CONCRETE CONTRACTOR AND SHALL MEET THE REQUIREMENTS OF SECTION 8-14.3 IN THE WSDOT STANDARD SPECIFICATIONS.
 2. PLACE SILICONE SEAL BETWEEN THE FOUNDATION AND CABINET.
 3. ANCHOR BOLTS AND THEIR SPACING TO BE SUPPLIED BY CABINET MANUFACTURER AND SUBMITTED TOT HE ENGINEER FOR APPROVAL.
 4. CONDUIT SIZES/QUANTITIES FOR THE CONTROLLER AND CONTACTOR CABINETS SHALL BE INSTALLED PER THE CONTRACT PLANS, PLUS ONE 2" SPARE CAPPED OUT PAST THE FOUNDATION.
 5. CONCRETE SHALL BE CLASS 3000.
 6. 2" CONDUIT SHALL BE PLACED FROM THE BBS TO THE CONTROLLER CABINET, AND FROM THE BBS TO THE CONTACTOR CABINET.
 7. LOCATE CONDUITS CENTRALLY WITHIN THE CABINETS.



COMBINATION TRAFFIC CONTROLLER/BBS/ELECTRICAL SERVICE CABINETS FOUNDATION
 DETAIL
 NO SCALE



POLE #1 WESTBOUND
 DETAIL
 NO SCALE



POLE #2 EAST BOUND
 DETAIL
 NO SCALE

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LAYOUT: TS5
 PATH: U:\Ball\Projects\Clients\1521-King_City\54-1521-064_L25\985\cadd\Phase A\Task_27200c\Draw\

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			K. BRAATEN
			Y. HO
			C. SCHOTT

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 FILE NAME
 BL1521084PAT2T2CC-TS1
 JOB No.
 5941521084PBT2C
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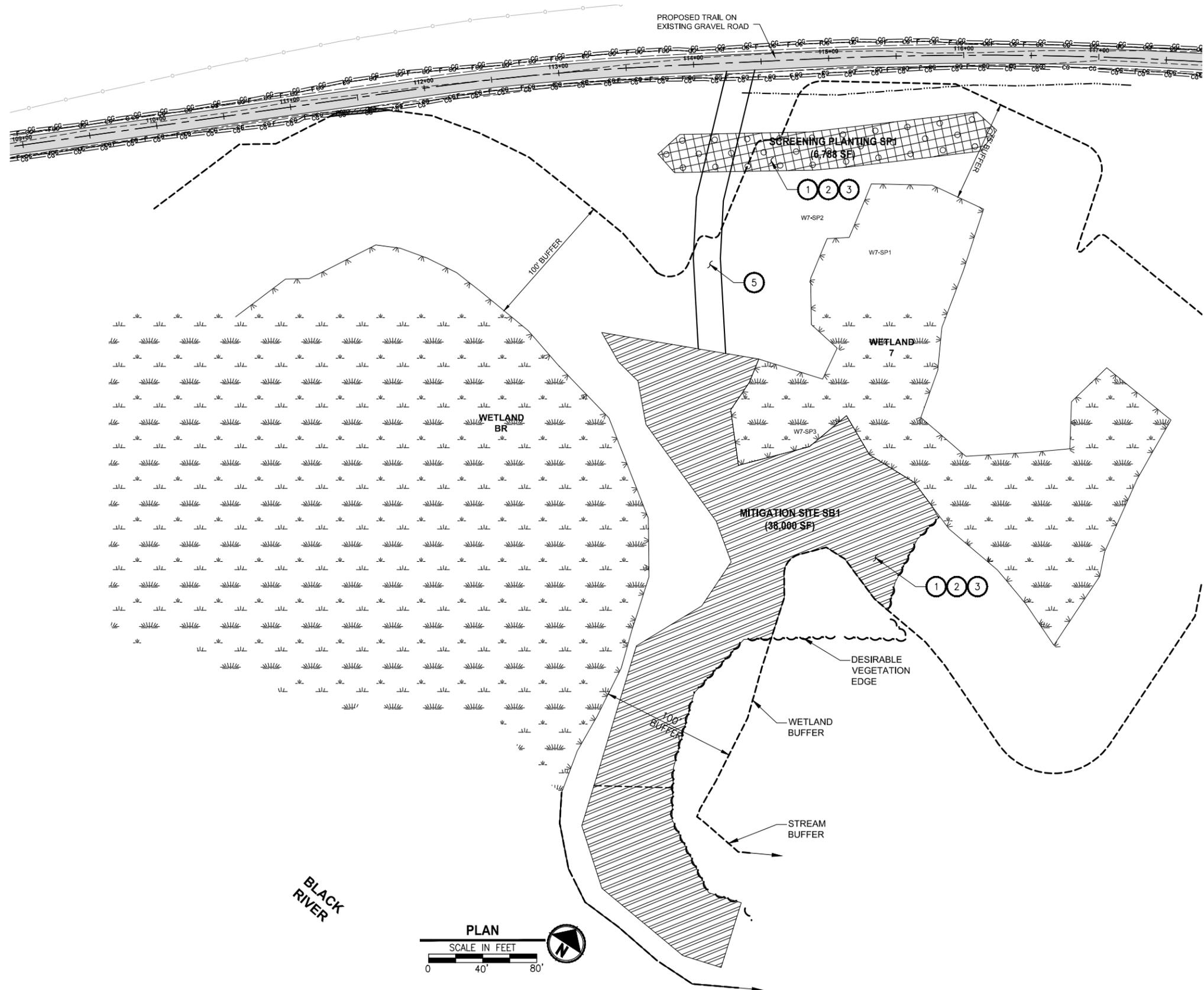
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PROJECT NAME
**LAKE TO SOUND TRAIL
 SEGMENT A**
 GREEN RIVER TRAIL TO NACHES AVE SW

SIGNAL DETAILS

DRAWING NO.
 42 OF 45
TS5

PATH: U:\Bell\Projects\Clients\1521-King City\554-1521-084_L251\995\cadd\Phase A\Task 21200C\Draw\ LAYOUT: MP-1
 PLOTTED BY: purgubut DATE: Wednesday, October 09, 2013 12:24:16 PM



- CONSTRUCTION NOTES:**
- MITIGATION CLEARING AND GRUBBING. STAKE OR FLAG PROPOSED PLANTING AREA LIMITS FOR APPROVAL OF PROJECT REPRESENTATIVE PRIOR TO STARTING CLEARING WORK. CLEAR AND GRUB ROOTS AND REMOVE AND DISPOSE OF ALL UNWANTED VEGETATION IN THIS PLANTING AREA. LEAVE SOIL IN PLACE. SEE SPECIFICATION FOR LIST OF UNWANTED VEGETATION.
 - COMPOST. PLACE 3" LAYER COMPOST OVER THE ENTIRE SURFACE OF THIS PLANTING AREA.
 - WOOD CHIP MULCH. PLACE 3" LAYER WOOD CHIP MULCH OVER THE ENTIRE SURFACE OF THIS PLANTING AREA.
 - INSTALL STRAW WATTLE PERIMETER PROTECTION PER WSDOT STD. DET. 1-30.30-00.
 - SITE ACCESS. RESTORE AREA AFTER CONSTRUCTION PER THE REQUIREMENTS OF NOTE #9 OF THE PLANTING NOTES ON SHEET MP-2.

- GENERAL NOTES:**
- SEE SHEET MP2 AND MP3 FOR PLANTING DETAILS AND REQUIREMENTS.
 - LOOSEN ANY SOILS IN PLANTING AREAS COMPACTED BY CONSTRUCTION ACTIVITIES BY RIPPING OR TILLING THE AREA TO A DEPTH OF 24".
 - PLANTING AREA LIMITS AND INTERPLANTING LOCATIONS SHALL BE STAKED IN THE FIELD AND APPROVED BY PROJECT REPRESENTATIVE PRIOR TO PLANTING.
 - ALL PLANTS TO BE SAVED AND PROTECTED WITHIN MITIGATION CLEARING AND GRUBBING AREAS WILL BE FLAGGED BY PROJECT REPRESENTATIVE. NOTIFY ENGINEER 5 DAYS PRIOR TO START OF CLEARING ACTIVITY. USE ONLY HAND TOOLS AND METHODS WHEN WORKING INSIDE THE DRIPLINE AREA OF EXISTING TREES AND SHRUBS.
 - ANY CHANGES TO PLANT MATERIAL, SIZE, OR SPACING MUST BE APPROVED BY THE PROJECT REPRESENTATIVE PRIOR TO INSTALLATION.
 - CONTRACTOR SHALL ARRANGE TO MEET ON SITE WITH ENGINEER AND BIOLOGIST TO DISCUSS LIMITS OF WORK AND METHODS. CONSTRUCTION ACTIVITIES SHALL NOT COMMENCE UNTIL ACCESS, LIMITS OF WORK, AND METHODS ARE APPROVED BY THE PROJECT REPRESENTATIVE.

- LEGEND:**
- WETLAND/STREAM BUFFER
 - - - WETLAND BOUNDARY
 - ORDINARY HIGH WATERLINE
 - ~ ~ ~ DESIRABLE VEGETATION EDGE

PLANTING QUANTITY TAB - THIS SHEET ONLY -

SYMBOL	ITEM	QUANTITY
STREAM BUFFER ENHANCEMENT SB1		38,000 SF
PLANTING AREA		38,000 SF
TREES - SPACE 12' O.C.		
	BIG LEAF MAPLE	61
	SITKA SPRUCE	15
	BLACK COTTONWOOD	46
	DOUGLAS FIR	91
	WESTERN RED CEDAR	15
SHRUBS - SPACE 4' O.C.		
	VINE MAPLE	213
	BEAKED HAZELNUT	107
	BLACK HAWTHORN	107
	OCEAN SPRAY	107
	INDIAN PLUM	213
	NOOTKA ROSE	320
	THIMBLEBERRY	213
	COMMON SNOWBERRY	320
SCREENING PLANTING AREA SP1		6,788 SF
TREES - SPACE 12' O.C.		
	BIG LEAF MAPLE	11
	SITKA SPRUCE	5
	BLACK COTTONWOOD	0
	DOUGLAS FIR	16
	WESTERN RED CEDAR	16
SHRUBS - SPACE 4' O.C.		
	VINE MAPLE	38
	BEAKED HAZELNUT	0
	BLACK HAWTHORN	0
	OCEAN SPRAY	38
	INDIAN PLUM	19
	NOOTKA ROSE	133
	THIMBLEBERRY	0
	COMMON SNOWBERRY	114

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REVISIONS	DATE	BY	DESIGNED
			J. SWENSON
			J. SWENSON
			Y. HO
			C. SCHOTT

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 BL1521084PAT01200C-MP
 JOB No.
 5941521084PBT2C
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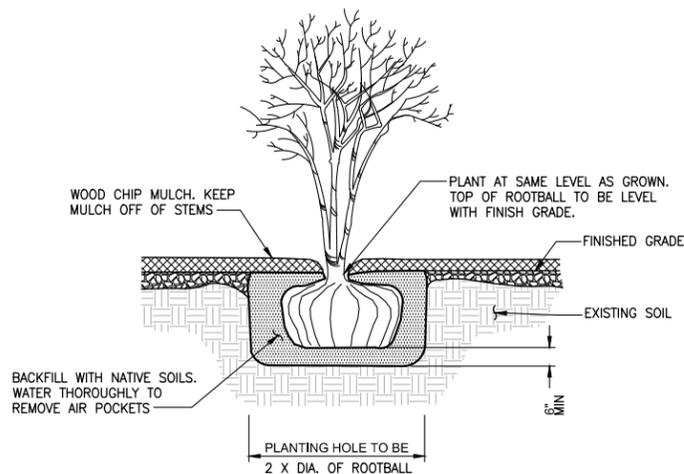
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PROJECT NAME
**LAKE TO SOUND TRAIL
SEGMENT A**
 GREEN RIVER TRAIL TO NACHES AVE SW

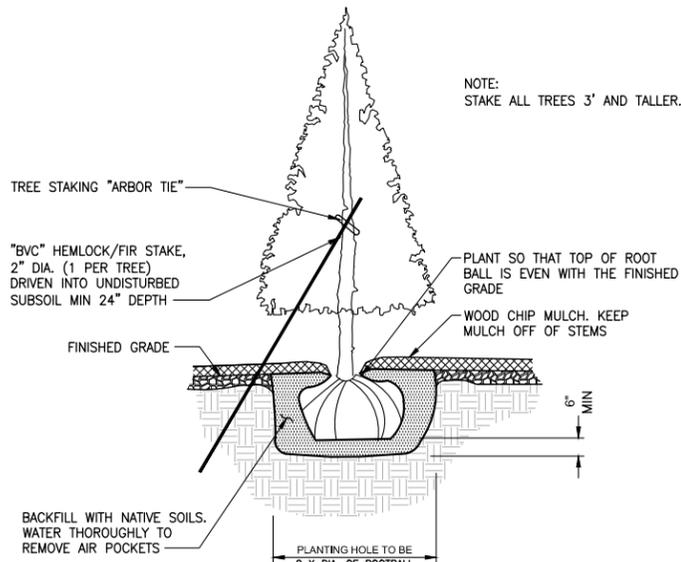
MITIGATION PLAN

DRAWING NO.
 43 OF 45
MP-1

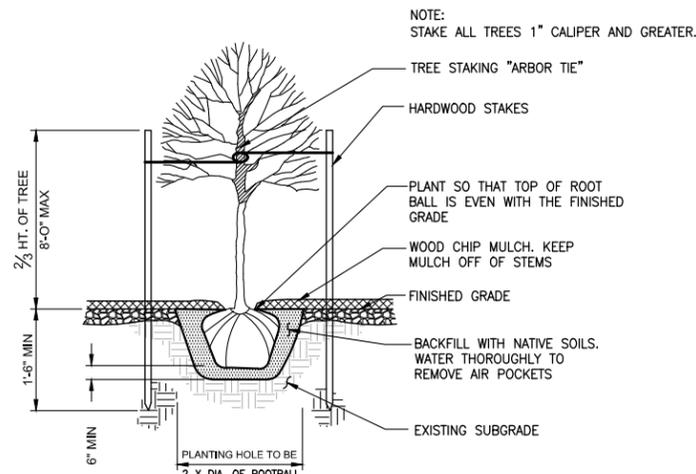
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**SHRUB AND SMALL TREE PLANTING
DETAIL**
NO SCALE



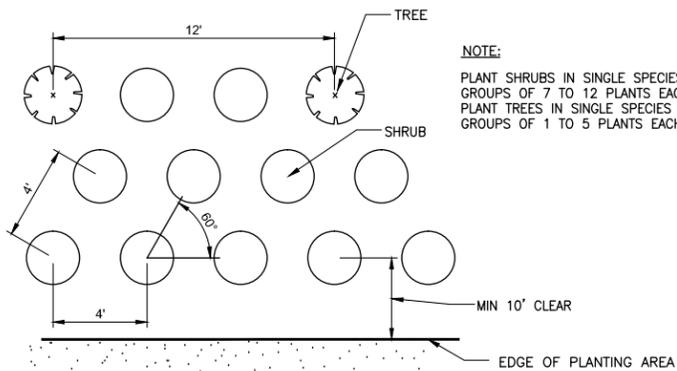
**CONIFEROUS TREE PLANTING
DETAIL**
NO SCALE



DECIDUOUS TREE PLANTING DETAIL
NO SCALE

PLANTING NOTES:

- CONTRACTOR SHALL ARRANGE TO MEET ON SITE WITH PROJECT REPRESENTATIVE TO DISCUSS LIMITS OF WORK AND METHODS. CONSTRUCTION ACTIVITIES SHALL NOT COMMENCE UNTIL ACCESS, LIMITS OF WORK, AND METHODS ARE APPROVED.
- MITIGATION PLANTING PLANS REPRESENT A CONCEPTUAL PLANT LAYOUT. FINAL PLANT LOCATIONS SHALL BE APPROVED BY PROJECT REPRESENTATIVE PRIOR TO PLANTING.
- USE ONLY HAND TOOLS TO CLEAR AND CULTIVATE SOIL UNDER THE CANOPY (WITHIN AND 5' OUTSIDE THE DRIFLINE) OF EXISTING TREES.
- ALL PLANTS SHALL BE NURSERY GROWN A MINIMUM OF ONE YEAR. PLANT MATERIAL IS TO BE SUPPLIED BY COMMERCIAL NURSERIES THAT SPECIALIZE IN PLANTS NATIVE TO THE PACIFIC NORTHWEST. PLANT SUBSTITUTIONS ARE SUBJECT TO APPROVAL BY PROJECT REPRESENTATIVE.
- MITIGATION PLANTING SHALL TAKE PLACE DURING THE DORMANT SEASON (OCTOBER 1ST TO MARCH 1ST). PLANTING MAY BE ALLOWED AT OTHER TIMES AFTER REVIEW AND WRITTEN APPROVAL BY PROJECT REPRESENTATIVE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSING OF ALL DEBRIS AND EXCESS SOIL OCCASIONED BY THIS PROJECT.
- CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO EXCAVATION.
- ALL DIMENSIONS FOR LISTED HEIGHT, LENGTH AND CONTAINER SIZE ARE MINIMUM REQUIREMENTS.
- EXISTING AREAS DISTURBED BY CONSTRUCTION ACTIVITIES AND NOT SHOWN TO BE RE-VEGETATED ON THESE PLANS SHALL BE RESTORED AND SEEDED. THE CONTRACTOR SHALL REPLANT ANY NATIVE WOODY VEGETATION DISTURBED DURING CONSTRUCTION WITH SPECIES PROVIDED IN THE PLANT MATERIALS LIST AT 1:1.
- DISCREPANCIES BETWEEN THE PLANS AND SITE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT REPRESENTATIVE PRIOR TO PROCEEDING WITH AFFECTED WORK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING PLANTS FOR THE FIRST YEAR AFTER ACCEPTANCE OF COMPLETION OF PLANTING FOR THE PROJECT. COUNTY WILL MAKE PROVISIONS FOR WATERING AS NEEDED FOR THE REMAINDER OF THE ESTABLISHMENT PERIOD AFTER THE FIRST YEAR.



**TYPICAL TREE AND SHRUB SPACING
DETAIL**
NO SCALE

PLANT MATERIAL LIST

QUANTITY	BOTANICAL NAME	COMMON NAME	MIN HEIGHT/ CONTAINER SIZE	NOTES/ SPACING
TREES				
72	ACER MACROPHYLUM	BIG LEAF MAPLE	1" CAL./CONT. or B&B	STAKE PROPOSED TREE LOCATIONS IN OPEN INFILL AREAS WITHIN PLANTING AREAS
21	PICEA SITCHENSIS	SITKA SPRUCE	3' HT.	
46	POPULUS BALSAMIFERA	BLACK COTTONWOOD	1" CAL.	
108	PSUEDOTSGA MENZIESII	DOUGLAS FIR	3' HT.	
32	THUJA PLICATA	WESTERN RED CEDAR	3' HT.	
SHRUBS				
251	ACER CIRCINATUM	VINE MAPLE	1 GAL CONT.	STAKE PROPOSED SHRUBS IN OPEN INFILL AREAS WITHIN PLANTING AREAS
107	CORYLUS CORNUTA	BEAKED HAZELNUT	1 GAL CONT.	
107	CRATAEGUS DOUGLASII	BLACK HAWTHORN	1 GAL CONT.	
145	HOLODISCUS DISCOLOR	OCEAN SPRAY	1 GAL CONT.	
232	OEMLERIA CERASIFORMIS	INDIAN PLUM	1 GAL CONT.	
453	ROSA NUTKANA	NOOTKA ROSE	1 GAL CONT.	
213	RUBUS PARVIFLORUS	THIMBLEBERRY	1 GAL CONT.	
434	SYMPHORICARPOS ALBUS	COMMON SNWBERRY	1 GAL CONT.	

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REVISIONS	DATE	BY	DESIGNED
			J. SWENSON
			DRAWN J. SWENSON
			CHECKED Y. HO
			APPROVED C. SCHOTT

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FILE NAME
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JOB No.
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DATE
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PROJECT NAME
**LAKE TO SOUND TRAIL
SEGMENT A**

GREEN RIVER TRAIL TO NACHES AVE SW

MITIGATION PLANTING DETAILS

DRAWING NO.
44 OF 45

MP-2

LAYOUT: MP-3 PATH: U:\Bentl\Projects\Clients\1521-King_City\554-1521-084_L251\995\cadd\Phase A\Task 212000_Dwg PLOTTED BY: purgobut DATE: Wednesday, October 09, 2013 12:24:25 PM

1 MITIGATION

THE LAKE TO SOUND TRAIL – SEGMENT A PROJECT WOULD MITIGATE IMPACTS ON WETLANDS AND STREAMS IN ACCORDANCE WITH THE MITIGATION SEQUENCING REQUIREMENTS ESTABLISHED BY NEPA, CWA, AND LOCAL WETLAND PROTECTION PROGRAMS (TMC 18.45 AND RENTON SMP 4.3.090). ACCORDING TO NEPA (40 CODE OF FEDERAL REGULATIONS [CFR] PARAGRAPHS 1508.20), THE DEFINITION OF MITIGATION IS AS FOLLOWS:

1. AVOIDING THE IMPACT ALL TOGETHER BY NOT TAKING A CERTAIN ACTION OR PARTS OF AN ACTION.
2. MINIMIZING IMPACTS BY LIMITING THE DEGREE OR MAGNITUDE OF THE ACTION AND ITS IMPLEMENTATION.
3. RECTIFYING THE IMPACT BY REPAIRING, REHABILITATING, OR RESTORING THE AFFECTED ENVIRONMENT.
4. REDUCING OR ELIMINATING THE IMPACT OVER TIME BY PRESERVATION AND MAINTENANCE OPERATIONS DURING THE LIFE OF THE ACTION.
5. COMPENSATING FOR THE IMPACT BY REPLACING OR PROVIDING SUBSTITUTE RESOURCES OR ENVIRONMENTS.

1.1 AVOIDANCE AND MINIMIZATION

CONSISTENT WITH THE ABOVE SEQUENCING REQUIREMENTS, A HIGH PRIORITY WAS PLACED ON AVOIDING AND MINIMIZING CRITICAL AREA AND BUFFER IMPACTS. WETLANDS AND STREAMS IN THE STUDY AREA HAVE BEEN AVOIDED TO THE GREATEST EXTENT FEASIBLE WITH NO PERMANENT OR TEMPORARY IMPACTS ANTICIPATED. KING COUNTY WOULD APPLY THE FOLLOWING STRATEGIES TO CRITICAL AREA AND BUFFER IMPACTS DURING THE DESIGN, PERMITTING, AND CONSTRUCTION PHASES:

- USE A RETAINING WALL TO NARROW THE TRAIL FOOTPRINT IN THE VICINITY OF WETLAND BOUNDARIES AND SOME RIPARIAN BUFFERS.
- LIMIT EARTHWORK NEAR STREAMS AND WETLANDS TO THE DRY SEASON TO REDUCE THE POTENTIAL FOR SEDIMENT RUNOFF.
- CONSTRUCT THE TRAIL ON AN EXISTING GRAVEL MAINTENANCE ROAD TO MINIMIZE IMPACTS ON FUNCTIONING RIPARIAN BUFFERS.
- WHERE FEASIBLE, WIDEN THE TRAIL ON THE NORTH SIDE OF THE EXISTING CORRIDOR TO MINIMIZE IMPACTS ON BUFFERS AND WILDLIFE HABITAT.
- USE APPROPRIATE SEDIMENT AND EROSION CONTROL BMPs (E.G., MULCHING, MATTING, AND NETTING; FILTER FABRIC FENCING; SEDIMENT TRAPS) TO REDUCE THE RISK OF EROSION AND REDUCE OR MINIMIZE THE CHANCE OF SEDIMENTS ENTERING PROJECT WATERBODIES.
- PREPARE AND IMPLEMENT A TESC PLAN FOR CLEARING OR REMOVING VEGETATION, GRADING, DITCHING, FILLING, EXCAVATING, AND CONDUCTING EMBANKMENT COMPACTION TO MINIMIZE AND CONTROL POLLUTION AND EROSION FROM ALL VEGETATION OR GROUND-DISTURBING ACTIVITIES.

1.2 RESTORATION OF TEMPORARY IMPACTS

ALL TEMPORARILY AFFECTED AREAS WOULD BE RESTORED TO PRE-CONSTRUCTION CONDITIONS AND RE-PLANTED OR SEEDED WITH NATIVE SPECIES.

1.3 COMPENSATORY MITIGATION

BECAUSE PERMANENT IMPACTS ON WETLAND BUFFERS AND STREAM BUFFERS COULD NOT BE COMPLETELY AVOIDED, KING COUNTY WOULD REPLACE THE BUFFER AREA AND FUNCTIONS LOST THROUGH COMPENSATORY MITIGATION. MITIGATION MEASURES FOR OFFSETTING THESE IMPACTS ON WETLAND BUFFERS AND STREAM BUFFERS ARE DESCRIBED BELOW.

1.3.1 REGULATORY REQUIREMENTS FOR COMPENSATORY MITIGATION

THE CITY OF RENTON SMP (4-3-090 D.2.D.X.E) STATES THAT "COMPENSATION FOR WETLAND BUFFER IMPACTS SHALL OCCUR AT A MINIMUM 1:1 RATIO. COMPENSATORY MITIGATION FOR BUFFER IMPACTS SHALL INCLUDE ENHANCEMENT OF DEGRADED BUFFERS BY PLANTING NATIVE SPECIES." THEREFORE, IMPACTS ON WETLAND BUFFERS WILL BE REPLACED AT A RATIO OF 1:1 AT A MINIMUM. STREAM BUFFER WILL BE REPLACED AT A RATIO OF 1:1 AT A MINIMUM, AS WELL. NO WETLANDS WERE OBSERVED IN THE PORTION OF THE STUDY AREA WITHIN THE CITY OF TUKWILA.

KING COUNTY DEVELOPED PLANS FOR HABITAT IMPROVEMENTS OR RESTORATION TO MITIGATE THE EFFECTS OF THE PROJECT. THIS MITIGATION PLAN FOCUSES ON PROVIDING COMPENSATORY MITIGATION MEASURES FOR RIPARIAN AND WETLAND BUFFERS AT EQUAL OR GREATER FUNCTIONS THAN WILL BE AFFECTED BY THE PROJECT. THE MITIGATION SITE WOULD BE PLANTED AT A RATIO OF AT LEAST 1:1 TO OFFSET PROJECT IMPACTS. THE RIPARIAN BUFFER COMPONENT OF THE OVERALL MITIGATION WOULD CONSIST OF PLANTING NATIVE TREES AND SHRUBS WITHIN THE REGULATED RIPARIAN BUFFER OF A FISH-BEARING STREAM. ALTHOUGH, MITIGATION WAS CONSIDERED UPSTREAM OR DOWNSTREAM OF THE PROJECT, OR AT A SIMILAR SUBBASIN IN THE SAME GEOGRAPHIC AREA, ON-SITE MITIGATION (WITHIN THE PROJECT AREA AND REGULATED BUFFER OF THE BLACK RIVER) WAS SELECTED AS THE PREFERRED OPTION. ANY TREES WITH TRUNKS LARGER THAN 4 INCHES IN DIAMETER THAT ARE REMOVED WITHIN SENSITIVE AREAS OR SHORELINE ZONES IN THE CITY OF TUKWILA WILL BE REPLACED AS PRESCRIBED BY TMC REQUIREMENTS.

1.3.2 SITE SELECTION

THE REGULATIONS OF THE LOCAL JURISDICTIONS (CITIES OF TUKWILA AND RENTON) IDENTIFY A PREFERENCE FOR COMPENSATORY MITIGATION TO BE CONDUCTED WITHIN THE SAME SUBBASIN AND ON SITE (TMC 18.45.090 F.5; RENTON SMP 4-3-090 D.2.D.X.(I)). HOWEVER, THE CITIES MAY CONSIDER OFF-SITE COMPENSATION IF THE APPLICANT DEMONSTRATES THAT THIS PROVIDES A GREATER ECOLOGICAL BENEFIT. KING COUNTY CONSIDERED MULTIPLE MITIGATION OPPORTUNITIES LOCATED ON THE PROJECT SITE. THE IDENTIFICATION OF AVAILABLE PARCELS FOR MITIGATION IS DEPENDENT UPON SIZE, CURRENT SITE CONDITIONS, LAND USE, REAL ESTATE CONDITIONS, LOCAL JURISDICTION CODE, AND FUTURE LAND USE PROPOSALS.

BASED ON THE CITIES' PREFERENCE FOR ON-SITE MITIGATION, PROJECT STAFF FIRST CONSIDERED OPPORTUNITIES WITHIN THE TRAIL RIGHT-OF-WAY FOR COMPENSATORY MITIGATION. ON-SITE MITIGATION OPPORTUNITIES WITHIN THE TRAIL CORRIDOR ARE CONSTRAINED BY THE NARROW LINEAR RIGHT-OF-WAY, LIMITED BUFFER AREA AVAILABLE FOR ENHANCEMENT, AND ADJACENT LAND USES AND FEATURES (E.G., RAILROAD TRACKS). OFF-SITE OPPORTUNITIES IN THE SAME SUBBASIN AND OUT OF THE SUBBASIN (IN THE SAME WRIA) WERE ALSO EXPLORED.

THE PROPOSED MITIGATION SITE IS LOCATED OUTSIDE OF THE TRAIL RIGHT-OF-WAY, BUT NEAR THE TRAIL (FIGURES 5-1, 5-2, AND APPENDIX E). IT WAS SELECTED BECAUSE IT IS LOCATED IN THE VICINITY OF BOTH STREAM (BLACK RIVER) BUFFER AND WETLAND (WETLANDS 7 AND BR) BUFFER, DOMINATED BY INVASIVE SPECIES, AND LARGE ENOUGH TO ACCOMMODATE ALL OF THE PROJECT'S MITIGATION NEEDS AT A SINGLE LOCATION. THE PROPOSED MITIGATION SITE IS LOCATED WITHIN THE CITY OF RENTON AND IS OWNED BY THE CITY OF RENTON. CURRENTLY THE PROPOSED MITIGATION SITE IS BEING USED AS A NATURAL AREA AND IS PART OF THE BLACK RIVER RIPARIAN FOREST.

1.3.3 MITIGATION SITE EXISTING CONDITIONS

THE PROPOSED SITE IS LOCATED BETWEEN THE BLACK RIVER, WETLAND 7, AND WETLAND BR. IT IS DOMINATED BY REED CANARYGRASS AND HIMALAYAN BLACKBERRY.

1.3.4 PROPOSED MITIGATION

PROPOSED CONCEPTUAL MITIGATION INCLUDES ENHANCEMENT OF APPROXIMATELY 0.68 ACRE OF WETLAND BUFFER AND 0.19 ACRE OF STREAM BUFFER (SEE FIGURE 5-2). THE PROPOSED ENHANCEMENT WOULD INCLUDE REMOVAL OF INVASIVE VEGETATION, TILLING OF SOIL, ADDITION OF ORGANIC SOIL AMENDMENT (WHERE NEEDED) AND MULCH, AND PLANTING OF NATIVE VEGETATION. RIPARIAN MITIGATION WOULD CONSIST OF PLANTING, OR UNDERPLANTING, IN AN AREA WHERE EXISTING RIPARIAN CONDITIONS ARE DEGRADED. THIS TYPE OF MITIGATION WOULD OFFSET THE PROJECT'S IMPACTS ON STREAM RESOURCES BY MAINTAINING OR ENHANCING THOSE RIPARIAN FUNCTIONS THAT SUPPORT WATER QUALITY AND FISH HABITAT. THE RIPARIAN FUNCTIONS THAT WOULD BENEFIT FROM MITIGATION INCLUDE LWD RECRUITMENT, STREAM TEMPERATURE REGULATION, BANK STABILITY, LEAF LITTER RECRUITMENT, AND WATER QUALITY FUNCTIONS. THE GOAL OF THE MITIGATION EFFORT IS TO AUGMENT THE BLACK RIVER CORRIDOR BY ESTABLISHING NATIVE VEGETATION AND ENHANCING BUFFER FUNCTIONS OF THE STREAM AND WETLAND 7 IN AREAS DOMINATED BY INVASIVE SPECIES. THESE EFFORTS WOULD MELD WITH PREVIOUS AND FUTURE ENHANCEMENT ACTIVITIES PERFORMED BY OTHERS.

IMPACTS TO FWHCAS, OUTSIDE OF WETLAND AND STREAM BUFFERS, WILL BE COMPENSATED FOR WITH ADDITIONAL PLANTINGS WHERE VIEWS TOWARD THE HERON NESTING COLONY ARE NOT ALREADY OBSCURED BY EXISTING VEGETATION. SUCH PLANTINGS, COMBINED WITH FENCE INSTALLATION ALONG THE SOUTHERN EDGE OF THE ALIGNMENT OF THE TRAIL ADJACENT TO THE BLACK RIVER RIPARIAN FOREST, ARE EXPECTED TO REDUCE THE POTENTIAL FOR DISTURBANCE TO WILDLIFE IN THE NATURAL AREA. THESE PLANTINGS WILL BE QUALITATIVELY MONITORED FOR GENERAL HEALTH AND RIGOR IN CONJUNCTION WITH THE WETLAND BUFFER COMPENSATORY MITIGATION MONITORING (QUALITATIVE) DURING YEARS 1, 2, AND 3.

1.3.5 MITIGATION GOALS, OBJECTIVES, AND PERFORMANCE STANDARDS

THE OVERALL GOAL OF THE MITIGATION IS TO REPLACE THE HABITATS AND FUNCTIONS LOST AS A RESULT OF THE PROJECT. THE PROPOSED MITIGATION WOULD ACCOMPLISH THIS BY ENHANCING 0.87 ACRE OF WETLAND BUFFER AND STREAM BUFFER. SPECIFIC GOALS AND OBJECTIVES FORMULATED TO ACHIEVE THIS RESULT ARE PRESENTED BELOW.

MITIGATION GOAL

GOAL: ENHANCE 0.68 ACRE OF WETLAND BUFFER AND 0.19 ACRE OF STREAM BUFFER TO NATIVE FORESTED UPLAND.

ACHIEVEMENT OF THIS GOAL IS EXPECTED TO INCREASE THE PRODUCTION OF ORGANIC MATTER BY PLANTING TREES AND SHRUBS IN THE ENHANCED BUFFER; INCREASE WILDLIFE HABITAT; AND IMPROVE BIOLOGICAL DIVERSITY BY PLANTING WITH A VARIETY OF NATIVE RIPARIAN PLANT SPECIES.

MITIGATION OBJECTIVES AND PERFORMANCE STANDARDS

OBJECTIVE 1: ESTABLISH A MINIMUM OF 0.68 ACRE OF FORESTED WETLAND BUFFER AND 0.19 ACRE OF FORESTED STREAM BUFFER BY PLANTING NATIVE TREES AND SHRUBS.

PERFORMANCE STANDARD:

YEAR 1 SURVIVAL OF PLANTED WOODY SPECIES IN ENHANCED WETLAND BUFFER AND STREAM BUFFER AREAS WILL BE AT LEAST 80 PERCENT.

YEAR 3 NATIVE WOODY SPECIES WILL ACHIEVE A MINIMUM OF 35 PERCENT AREAL COVER IN THE ENHANCED WETLAND BUFFER AND STREAM BUFFER AREAS.

YEAR 5 NATIVE WOODY SPECIES WILL ACHIEVE A MINIMUM OF 60 PERCENT AREAL COVER IN THE ENHANCED WETLAND BUFFER AND STREAM BUFFER AREAS.

OBJECTIVE 2: LIMIT INVASIVE NON-NATIVE SPECIES THROUGHOUT THE MITIGATION SITE PLANTING AREAS.

PERFORMANCE STANDARD:

YEARS 1-5 HIMALAYAN BLACKBERRY, CUTLEAF BLACKBERRY (RUBUS LACINIATUS), SCOTCH BROOM (CYTISUS SCOPARIUS), CANADA THISTLE (CIRSIIUM ARVENSE), BULL THISTLE (CIRSIIUM VULGARE), AND REED CANARYGRASS WILL NOT EXCEED 20 PERCENT AREAL COVER IN ALL PLANTING AREAS.

OBJECTIVE 3: PROVIDE UPLAND WILDLIFE HABITAT.

PERFORMANCE STANDARD:

INCREASE IN AREAL COVER OF NATIVE WOODY SPECIES IN THE PLANTED BUFFER, AS MEASURED IN OBJECTIVE 1 TO BE USED AS A SURROGATE TO INDICATE INCREASING HABITAT FUNCTIONS.

OBJECTIVE 4: PROTECT THE MITIGATION SITE FROM ANTHROPOGENIC DISTURBANCE.

PERFORMANCE STANDARD:

YEARS 1-5 CONDUCT YEARLY QUALITATIVE MONITORING TO ASSESS THE STATUS OF THE SITES DURING THE 5-YEAR MONITORING PERIOD FOR HUMAN DISTURBANCE, INCLUDING BUT NOT LIMITED TO FILLING, TRASH, AND VANDALISM.

2 MONITORING AND MAINTENANCE

2.1 MONITORING

THE MITIGATION AREAS WOULD BE MONITORED DURING AND AFTER CONSTRUCTION. DURING CONSTRUCTION, MONITORING WOULD ENSURE THAT THE BMPs ARE OBSERVED TO MINIMIZE IMPACTS, AND THE ON-SITE CONSTRUCTION WORK (INCLUDING EARTHWORK AND PLANTING) WOULD BE COORDINATED TO ENSURE THAT THE SITE IS CONSTRUCTED AS DESIGNED.

AFTER CONSTRUCTION IS COMPLETED, AN "AS-BUILT" MITIGATION REPORT WOULD BE SUBMITTED TO THE CITIES OF RENTON AND TUKWILA WITHIN 1 MONTH OF MITIGATION INSTALLATION. SUBSEQUENTLY, MONITORING WOULD BE PERFORMED ANNUALLY TO ENSURE THAT THE GOALS AND OBJECTIVES OF THE MITIGATION ARE BEING MET. MONITORING OF THE MITIGATION AREAS WOULD BE PERFORMED OVER A 5-YEAR PERIOD BY QUALIFIED BIOLOGISTS. A COMBINATION OF QUALITATIVE AND QUANTITATIVE MONITORING ACTIVITIES WOULD BE USED TO ASSESS THE MANAGEMENT OBJECTIVES AND ASSOCIATED PERFORMANCE STANDARDS DESCRIBED IN THIS MITIGATION PROPOSAL. ACTIVITIES WOULD INCLUDE CONDUCTING SITE VISITS TO MONITOR UNNATURAL SITE DISTURBANCE, TAKING PHOTOGRAPHS TO DOCUMENT SITE DEVELOPMENT, AND COLLECTING DATA FOR THE QUANTITATIVE EVALUATION OF PERFORMANCE STANDARDS. THE RESULTS OF THE MONITORING WILL BE SUBMITTED TO THE CITIES OF RENTON AND TUKWILA ANNUALLY.

APPROPRIATE CONTINGENCY MEASURES WILL BE DEVELOPED, AS NEEDED, BY A QUALIFIED PROFESSIONAL TO ENSURE THAT THE SITES DEVELOP HEALTHY VEGETATION THAT MEETS THE OBLIGATIONS DESCRIBED IN THIS MITIGATION PLAN AND THE ASSOCIATED PERMITS.

2.1.1 QUANTITATIVE MONITORING

THE FOLLOWING BULLETED ITEMS DESCRIBE THE METHODS TO BE USED FOR THE QUANTITATIVE MONITORING, MONITORING SCHEDULE, AND REPORT DEADLINES.

- THE MITIGATION SITES WILL BE ASSESSED BY AN APPROPRIATE QUANTITATIVE VEGETATIVE COVER FIELD ASSESSMENT METHODOLOGY. THE LINE INTERCEPT METHOD WILL BE USED FOR DETERMINING PERCENT AREAL COVER FOR WOODY AND INVASIVE SPECIES.
- QUANTITATIVE VEGETATION ASSESSMENTS WILL FOLLOW THE SAME METHOD IN EACH CONSECUTIVE MONITORING YEAR.
- QUANTITATIVE VEGETATION ASSESSMENTS WILL BE PERFORMED BETWEEN JUNE 15 AND SEPTEMBER 15 OF EACH MONITORING YEAR.
- MONITORING REPORTS WILL BE SENT TO AGENCIES REQUIRING MONITORING REPORTS BY FEBRUARY 15 OF THE FOLLOWING YEAR.
- QUANTITATIVE MONITORING WILL INCLUDE PHOTOGRAPHIC DOCUMENTATION OF THE SITES FROM PERMANENT PHOTOGRAPH STATIONS.

2.1.2 QUANTITATIVE MONITORING

QUALITATIVE ASSESSMENT WILL BE PERFORMED YEARLY TO VISUALLY ASSESS THE HEALTH OF PLANTS AND IDENTIFY AREAS THAT MAY NEED CONTROL OF NON-NATIVE INVASIVE SPECIES OR OTHER MAINTENANCE ACTIVITIES. ADDITIONALLY, DURING YEARS 1, 2, AND 3 THE SCREENING PLANTINGS (SP-1) WILL ALSO BE QUALITATIVELY MONITORED TO VISUALLY ASSESS THE HEALTH OF THE PLANTS AND IDENTIFY AREAS THAT MAY NEED CONTROL OF NON-NATIVE INVASIVE SPECIES OR OTHER MAINTENANCE ACTIVITIES.

2.2 MAINTENANCE

THE PROPOSED MITIGATION IS INTENDED TO ACHIEVE THE PERFORMANCE STANDARDS WITH MINIMAL ONGOING MAINTENANCE. PLANTED VEGETATION SPECIES SHOULD BE ADAPTED TO VARYING SITE CONDITIONS IN THE PUGET SOUND LOWLAND; HOWEVER, SUPPLEMENTAL IRRIGATION MIGHT BE NEEDED DURING THE FIRST TWO GROWING SEASONS AFTER INSTALLATION TO ENSURE THE LONG-TERM SURVIVAL OF THE PLANTS. THE NEED FOR IRRIGATION WOULD BE EVALUATED BASED ON THE CONDITIONS OBSERVED DURING THE ESTABLISHMENT PERIOD.

TO ENSURE RAPID ESTABLISHMENT OF THE PLANT COMMUNITY, TREES AND SHRUBS WOULD BE PLANTED CLOSER TOGETHER THAN WOULD GENERALLY OCCUR IN NATURAL MATURE STANDS. SOME NATURAL MORTALITY IS EXPECTED TO OCCUR DURING THE MONITORING PERIOD. ALL DEAD AND DOWNED WOODY MATERIAL WOULD BE LEFT IN PLACE TO PROVIDE MICROHABITATS FOR WILDLIFE. PLANTS WOULD BE REPLACED AS NEEDED TO MEET PERFORMANCE STANDARDS.

MAINTENANCE TO CONTROL NUISANCE SPECIES IN THE MITIGATION AREAS MAY BE NECESSARY. DURING THE MONITORING PERIOD, IF IT BECOMES EVIDENT THAT INVASIVE SPECIES ARE IMPEDING ESTABLISHMENT OF DESIRABLE NATIVE PLANTS, MEASURES WOULD BE IMPLEMENTED TO CONTROL NUISANCE SPECIES. A PROGRESSIVELY AGGRESSIVE APPROACH WOULD BE USED TO CONTROL NUISANCE SPECIES. CONTROL MEASURES WOULD FIRST INCLUDE HAND CUTTING AND/OR GRUBBING AND REMOVAL; IF THIS FAILS, AN ENVIRONMENTALLY SENSITIVE HERBICIDE (RODEO® OR EQUIVALENT) MAY BE APPLIED.

2.3 CONTINGENCY MEASURES

IF MONITORING INDICATES THAT THE SITES ARE NOT MEETING PERFORMANCE STANDARDS, CONTINGENCY MEASURES WOULD BE IMPLEMENTED (TABLE 2-1). SITE CONDITIONS WOULD BE EVALUATED TO DETERMINE THE CAUSE OF THE PROBLEM AND THE MOST APPROPRIATE COUNTERMEASURES.

INFORMATION FROM THE ANNUAL MONITORING PROGRAM WILL BE USED TO IDENTIFY ANY MAINTENANCE AND/OR CORRECTIVE ACTIONS. IF PROBLEMS ARE IDENTIFIED IN MONITORING, KING COUNTY BIOLOGISTS WILL DETERMINE THE CAUSE OF THE PROBLEM AND IMPLEMENT PROPER MAINTENANCE OR CORRECTIVE ACTIVITIES. THESE ACTIVITIES WILL BE DISCUSSED IN THE ANNUAL MONITORING REPORT.

TABLE 2-1. CONTINGENCY MEASURES FOR THE MITIGATION SITES

PROBLEM	CONTINGENCY MEASURE
LESS THAN 80% OF PLANTED WOODY SPECIES SURVIVE IN YEAR 1	KING COUNTY BIOLOGISTS (OR OTHER QUALIFIED BIOLOGIST) WOULD ASSESS THE SITE TO DETERMINE WHAT CONDITIONS ARE PREVENTING THE PLANTS FROM THRIVING. APPROPRIATE MEASURES WOULD BE TAKEN TO CORRECT ANY CONDITIONS THAT ARE LIMITING GROWTH. LOST PLANTS WOULD BE REPLACED WITH APPROPRIATE NATIVE SPECIES UNLESS APPROPRIATE NATIVE WOODY SPECIES ARE VOLUNTEERING AT A RATE SUFFICIENT TO REPLACE THEM. ADDITIONAL MEASURES (SUCH AS PROVIDING ADDITIONAL PROTECTION) WOULD BE CONSIDERED IF NECESSARY. ADDITIONAL PROTECTION COULD INCLUDE THE USE OF AN HERBIVORE REPELLENT (PLANTSKYDD OR EQUIVALENT).
PERCENT COVER FOR WOODY SPECIES NOT MET IN YEAR 3 OR 5	KING COUNTY BIOLOGISTS (OR OTHER QUALIFIED BIOLOGIST) WOULD ASSESS THE SITES TO DETERMINE WHAT CONDITIONS ARE PREVENTING THE PLANTS FROM THRIVING. APPROPRIATE MEASURES WOULD BE TAKEN TO CORRECT ANY CONDITIONS THAT ARE LIMITING GROWTH.
INVASIVE SPECIES EXCEED PERCENT COVER THRESHOLD	IMPLEMENT/REVISE INVASIVE SPECIES CONTROL PLAN.
PERFORMANCE STANDARDS NOT MET AT YEAR 5	CONTINUE THE MONITORING REGIME FOR 1 ADDITIONAL YEAR. THE SITES WOULD CONTINUE TO BE EVALUATED EVERY YEAR UNTIL THEY MEET THE STATED PERFORMANCE STANDARDS ASSOCIATED WITH MANAGEMENT OBJECTIVES. OTHER CONTINGENCY MEASURES MAY BE IMPLEMENTED DURING THIS PERIOD.

60 % REVIEW SUBMITTAL
NOT FOR CONSTRUCTION

REVISIONS	DATE	BY	DESIGNED
			J. SWENSON
			DRAWN J. SWENSON
			CHECKED Y. HO
			APPROVED C. SCHOTT

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY
FILE NAME BL1521084PAT01200C-MP
JOB No. 5941521084PBT2C
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MITIGATION NOTES

DRAWING NO. 45 OF 45 MP-3
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