

Alaskan Way Viaduct Replacement Project

SR 99 BORED TUNNEL





In Support of the
Environmental Impact Statement

FEBRUARY 5, 2010

NOTICE

The information contained in these figures represents conceptual plans prepared in support of an Environmental Impact Statement (EIS) and Request for Proposal (RFP). The information herein is subject to change and/or revision and is not intended for construction.

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME		c:\aawork\pwwork\law\moattaeldms08247\160073T00CQGN001.DLV		REGION NO.	STATE	FED.AID PROJ.NO.		<p>*DRAFT* CONCEPTUAL DESIGN NOT FOR CONSTRUCTION</p>	  	<p>ALASKAN WAY VIADUCT REPLACEMENT PROJECT SR 99 BORED TUNNEL</p>	GN001
TIME	10:41:27 AM			10	WASH						SHEET
DATE	2/4/2010			JOB NUMBER							
PLOTTED BY	moattae			CONTRACT NO.		LOCATION NO.					
DESIGNED BY	E. ABBOTT/G. CLARK										
ENTERED BY	A. SNIDER										
CHECKED BY	D. JENSEN										
PROJ. ENGR.	S. EVERETT										
REGIONAL ADM.	R. PAANANEN	REVISION	DATE	BY							COVER & VOLUME DESCRIPTION

moattae

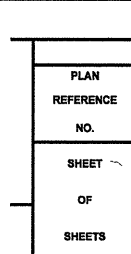
1
2
3
4
5

INDEX

INDEX (CONTINUED)

SHEET NO.	PLAN REFERENCE NO.	TITLE
VOLUME 1	VOLUME 1	VOLUME 1
	GN001	COVER SHEET - VOLUME 1
	GN002	INDEX OF DRAWINGS
	GN010	ABBREVIATIONS, LEGENDS AND SYMBOLS
	GN011	SYMBOL SHEET
	GN020	VICINITY MAP
	RS001-RS010	ROADWAY SECTIONS
	CS001E - CS002E	CONSTRUCTION STAGING
	AL001 - AL015	ALIGNMENT PLAN
	CP001 - CP024	ROADWAY PROFILE & SUPERELEVATION
	SD001 - SD024	STRUCTURAL PLANS, ELEVATIONS, AND DETAILS
	AR001 - AR002	SITE PLAN - HEADHOUSE SOUTH AND NORTH
	AS101	SOUTH VENT BUILDING SITE PLAN
	AS301	NORTH VENT BUILDING SITE PLAN
	AD001	SOUTH VENT BUILDING ELEVATIONS
	AD051	NORTH VENT BUILDING ELEVATIONS

SHEET NO.	PLAN REFERENCE NO.	TITLE
VOLUME 1	VOLUME 1	VOLUME 1
	TF100 - TF107B	ITS - SOUTH
	TF300 - TF305	ITS - NORTH
	SI001	PERMANENT TRAFFIC SIGNING AND PAVEMENT MARKING PLAN KEY MAP
	SI004 - SI006	PERMANENT TRAFFIC SIGNING AND PAVEMENT MARKING PLAN
	SI009	PERMANENT TRAFFIC SIGNING AND PAVEMENT MARKING PLAN
	SI013 - SI017	PERMANENT TRAFFIC SIGNING AND PAVEMENT MARKING PLAN
	SI107 - SI108	PERMANENT TRAFFIC SIGNING AND PAVEMENT MARKING PLAN
	SI110 - SI112	PERMANENT TRAFFIC SIGNING AND PAVEMENT MARKING PLAN
	UX001 - UX014	URBAN DESIGN PLANS
	GI010	GROUND IMPROVEMENT
	GI011	TYPICAL COMPENSATION GROUT PLAN
"STAPLE SET"	AL025e	ALIGNMENT PLAN - ELLIOTT AND WESTERN CONNECTOR
"STAPLE SET"	CP025e	PROFILE FOR ELLIOTT & WESTERN CONNECTOR
"STAPLE SET"	SD025e	ELLIOTT AND WESTERN CONNECTOR PLAN 1 OF 2
"STAPLE SET"	SD026e	ELLIOTT AND WESTERN CONNECTOR PLAN 2 OF 2
"STAPLE SET"	SD027e	ELLIOTT AND WESTERN CONNECTOR SECTIONS - 1 OF 2
"STAPLE SET"	SD028e	ELLIOTT AND WESTERN CONNECTOR SECTIONS - 2 OF 2
"STAPLE SET"	UX610 - UX615	URBAN DESIGN PLANS - WESTERN AND ELLIOTT CONNECTOR
"FOLD"	OVERSIZE B/W	TUNNEL CONSTRUCTION FLOW CHART
"FOLD"	OVERSIZE COLOR	POTENTIAL UTILITY RELOCATIONS
"FOLD"	OVERSIZE COLOR	BORED TUNNEL ALTERNATIVE B4
"FOLD"	OVERSIZE COLOR	BORED TUNNEL ALTERNATIVE D4



NOTE: ALL SHEET REFERENCES, FIRST NOS. OF STRUCTURE CODE DESIGNATIONS AND MATCH LINE SHEET REFERENCES, ETC., THROUGHOUT THE PLANS, REFER TO THE ENTRY IN THE PLAN REFERENCE NUMBER BOX.

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME	c:\aawork\pwwork\law\snidera\dms08247160073T00CQGN002.DLV		
TIME	4:30:16 PM		
DATE	2/5/2010		
PLOTTED BY	snidera		
DESIGNED BY	E. ABBOTT/G. CLARK		
ENTERED BY	A. SNIDER		
CHECKED BY	D. JENSEN		
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	
JOB NUMBER		LOCATION NO.
CONTRACT NO.		



DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL
INDEX OF DRAWINGS

GN002
SHEET OF SHEETS

snidera

ABBREVIATIONS:

& @ # %	AND AT DIAMETER CENTERLINE DEGREES FEET, MINUTES FEET PER FOOT INCHES, SECONDS PLATE POUNDS, NUMBER PERCENT	DI DIAPH DIP DISC DIST DMS DOC DRWY DS DWG(S)	DUCTILE IRON DIAPHRAGM DUCTILE IRON PIPE DISCONNECT DISTRIBUTION DYNAMIC MESSAGE SIGN DEGREE OF CURVATURE DOWNSPOUT DRIVEWAY DRAWING(S)	MAINT MCI MED MH MIC MJ ML MOA MON MOU MOW MSE	MAINTENANCE VERIZON BUSINESS MEDIAN MANHOLE MONUMENT IN CASE MECHANICAL JOINT MONUMENT LINE MEMORANDUM OF AGREEMENT MONUMENT MEMORANDUM OF UNDERSTANDING MAINTENANCE OF WAY MECHANICALLY STABILIZED EARTH	SCADA SCH SCL SDOT SDWK, SW SF SG SH SHT SIG SL	SUPERVISORY CONTROL AND DATA ACQUISITION SCHEDULE SEATTLE CITY LIGHT SEATTLE DEPARTMENT OF TRANSPORTATION SIDEWALK SQUARE FOOT, SQUARE FEET, SUPPLY FAN SIGNAL SHOULDER, SHIELDED SHEET SEATTLE INTERNATIONAL GATEWAY SURVEY LINE, STREET LIGHT, SHELTER LIGHT, SLOPE (COS /SPU) SINGLE MODE FIBER OPTIC STANDPIPE SPACE, SPACING SPE SPE SPEC SPL SPU SQ FT SR SS
A A/C A/G AAC AATFI AATUR ABAN ABUT AC ACP ACSR ADM ADT AL AREMA ASPH ASYM ATB AUX AWG B/B BFP BH BIT BJF BK BKF BL BLST BNSF BO BOC BOT BP BR BRG BTW BVC C C/L CADD CANT CB CBD CCP CCR CDF CE CEM CF CFF CG CIDH CIP CKT CMS CMST CND CO COMM COND CONST, CONSTR CONT COORD COS CP CR CS CSBC CSL CU CU IN CV D DATFI DB	AREA ASPHALTIC CONCRETE (WSDOT), ASPHALT CONCRETE (COS /SPU) AT GRADE ALL ALUMINUM CONDUCTOR ABANDONED ACCORDING TO FIELD INSPECTION ABANDONED ACCORDING TO UTILITY RECORDS ABANDONED (COS/SPU) ABUTMENT AERIAL COMMUNICATIONS ASPHALT CONCRETE PANEL (WSDOT) ALUMINUM CONDUCTOR STEEL REINFORCED ADMINISTRATOR AVERAGE DAILY TRAFFIC ALUMINUM CONDUCTOR AMERICAN RAILWAY ENGINEERING AND MAINTENANCE OF WAY ASSOCIATION ASPHALT ASYMMETRICAL ASPHALT TREATED BASE AUXILIARY AMERICAN WIRE GAUGE BACK-TO-BACK BACK FLOW PREVENTER BORE HOLE BITUMINOUS BITUMINOUS JOINT FILLER BACK BACKFILL BASELINE BALLAST BURLINGTON NORTHERN SANTA FE RAILWAY BLANK OUT SIGN BACK OF CURB BOTTOM BEGIN POINT BRIDGE BEARING BETWEEN BEGIN VERTICAL CURVE CURVE, CONDUIT CURB LINE COMPUTER AIDED DRAFTING AND DESIGN CANTILEVER CATCH BASIN CENTRAL BUSINESS DISTRICT CEMENT CONCRETE PAVEMENT COMPACT CONCENTRIC ROUND CONDUCTOR CONTROL DENSITY FILL CONSTRUCTION EASEMENT, CATEGORICALLY EXEMPTION/EXCLUSION (SEPA/NEPA) CEMENT CUBIC FEET CAP FOR FUTURE CENTER OF GRAVITY CAST IN DRILLED HOLES CAST-IN-PLACE CIRCUIT CHANGEABLE MESSAGE SIGN CASEMENT CONDUIT CUTOUTS COMMUNICATIONS CONDUCTOR, CONDUIT CONSTRUCTION CONTINUOUS COORDINATE CITY OF SEATTLE COMMUNICATION PANEL (WSDOT) COMPRESSED ROUND CONDUCTOR (3%) CENTRIFUGAL SWITCH, CONTROL SWITCH CRUSHED SURFACE BASE COURSE CROSS SONIC LOGGING COPPER CUBIC INCHES CABLE VAULT DEPTH DEPICTED ACCORDING TO FIELD INSPECTION DUCT BANK	E E/P E/S E/W EA EATFI ECD ECP EDPM EF EL, ELEV ELEC ELI EOI EOP EORI EP EQN ESMT ETS EV EVC EXC EXIST EXP F TO F FC FDC FDN FF FFS FG FH FHV FIN FIPT FL FN FO FOR FOT FP FTB FTG G GA GALV GIR GND GP GR GRHH GTS GVL H2K HAR HEX HH HMA HORIZ HS HSS HVC-N HVC-S IE INV ITS IV JB JN KC kcmil L LB LONG, LONGIT LP LPPS LPR LT	EAST, EASTING, ELECTRICAL EDGE OF PAVEMENT EDGE OF SHOULDER EAST/WEST EACH EMPTY ACCORDING TO FIELD INSPECTION ELECTRICAL CONDUIT END CURB RETURN ETHYLENE PROPYLENE DIENE M-CLASS RUBBER EACH FACE ELEVATION ELECTRICAL, ELECTROLYSIS INTEGRA TELECOM END OF INFORMATION EDGE OF PAVEMENT END OF UTILITY RECORD INFORMATION END POINT EQUATION EASEMENT ELECTROLYSIS TEST STATION ELECTRICAL VAULT END VERTICAL CURVE EXCAVATION EXISTING EXPANSION FACE TO FACE FIBER CONDUIT, FLEXIBLE CONNECTION FIRE DEPARTMENT CONNECTION FOUNDATION FAR FACE FIXED FIRE SUPPRESSION FIBERGLASS CONDUIT, FINISHED GRADE FIRE HYDRANT FIRE HOSE VALVE FINISH, FINISHED FEMALE INLET PIPE THREAD FLANGED, FLOW LINE FENCE FIBER OPTIC FIBER OPTIC RECEIVER FIBER OPTIC TRANSMITTER FIRE PROTECTION FLUIDIZED THERMAL BACKFILL FOOTING GAS, GREEN, GROUND GAUGE GALVANIZED GIRDER GROUND GUY POLE GRADE (WSDOT) GROUND ROD HANDHOLE GAS TEST STATION GRAVEL S. HOLGATE STREET TO S. KING STREET PROJECT HIGHWAY ADVISORY RADIO HEXAGONAL HANDHOLE HOT MIXED ASPHALT HORIZONTAL HIGH STRENGTH HIGH STRENGTH STEEL HOSE VALVE CABINET - NORTHBOUND HOSE VALVE CABINET - SOUTHBOUND INVERT ELEVATION INVERT INTELLIGENT TRANSPORTATION SYSTEM HEADER ISOLATION VALVE JUNCTION BOX JACKETED NEUTRAL KING COUNTY KILO (1000) CIRCULAR MILS LENGTH POUND, POUNDS, LOAD BREAK LONGITUDINAL LIGHT POLE, LIGHTING PANEL, LOW POINT, LOW PRESSURE (WSDOT) LOW POINT PUMP STATION LICENSE PLATE READER LEFT	N N N/S N/W NAC NAP NAVD 88 NB NBL NC NEPA NEXT LINK NF NGS NGVD NIC NO No. NRN NST NTS OC OF OH OHW OP P P/L PAVT PB PC PCB PCC PCCP PED PGL PI POA POB POC POE POS POT POVC PP PPB PROJ PS PSG PT PTZ PV PVC PVI PVRC PVMT PVT QL-C QL-D R R/R, RR R/W RC RDWY REF RGSC ROW RP RRS RT RV S S/W SB	NORTH, NORTHING, NEUTRAL (WSDOT) NORTH (COS /SPU) NORTH/SOUTH NORTH/WEST NO ASSOCIATED CABLE FOUND FROM UTILITY STRUCTURE NO ASSOCIATED PIPING FOUND FROM UTILITY STRUCTURES NATIONAL AMERICAN VERTICAL DATUM 1988 NORTHBOUND NON-LOAD BREAK NORMALLY CLOSED NATIONAL ENVIRONMENTAL POLICY ACT XO COMMUNICATIONS NEAR FACE UNITED STATES NATIONAL GEODETIC SURVEY NATIONAL GEODETIC VERTICAL DATUM (1929) NOT IN CONTRACT NUMBER (WSDOT), NORMALLY OPEN NUMBER (COS /SPU) NO RISER NUMBER NO STEEPER THAN NOT TO SCALE OVERHEAD COMMUNICATIONS, ON CENTER OVERHEAD FIBER OVERHEAD ORDINARY HIGH WATER OVERHEAD POWER PEDESTRIAN, POLE PROPERTY LINE PAVEMENT PULLBOX, PUSHBUTTON PRECAST, POINT OF CURVATURE PRIMARY CONTROL LINE POINT OF COMPOUND CURVE, PORTLAND CEMENT CONCRETE, POWER CONTROL CENTER PORTLAND CEMENT CONCRETE PAVEMENT PEDESTRIAN PROFILE GRADE LINE POINT OF INTERSECTING TANGENTS ON HORIZONTAL CURVE POLE ORIENTATION ANGLE POINT OF BEGINNING POINT ON CURVE, POINT OF CONNECTION POINT OF ENDING PORT OF SEATTLE POINT ON TANGENT POINT OF VERTICAL CURVE POWER POLE, POWER PANEL (WSDOT) PEDESTRIAN PUSH BUTTON PROJECT PRESTRESSED PRESTRESSED GIRDER POINT OF TANGENCY, POINT PAN/TILT/ZOOM PAVEMENT GRADING, PANEL VAULT POINT OF VERTICAL CURVE, POLYVINYL CHLORIDE POINT OF INTERSECTING TANGENTS ON VERTICAL CURVE POINT OF REVERSE VERTICAL CURVE PAVEMENT POINT OF VERTICAL TANGENCY QUALITY LEVEL - C QUALITY LEVEL - D RADIUS (COS /SPU) RAILROAD RIGHT OF WAY REINFORCED CONCRETE ROADWAY REFERENCE RIGID GALVANIZED STEEL CONDUIT RIGHT OF WAY RADIUS POINT, RECEPTACLE PANEL RAILROAD SPIKE RIGHT, RAIN TIGHT (WSDOT) RING VAULT SOUTH SIDEWALK SOUTHBOUND	SMFO SP SPA SPE SPEC SPL SPU SQ FT SR SS SST ST ST, STIFF STA STIRR STL STR SUE SVC SW SWGR T-46 TCE TEMP TFE TH THW TPG TRANS TRANSF TRANSV TRCD TS TYP UNK V VAR VBOX VC VDZ VIVD VMS VPI VT W WM WOSCA WSPH WTS WWF XFRM XLPE Y ZONE 1/C 3-1/C	SINGLE MODE FIBER OPTIC STANDPIPE SPACE, SPACING SINGLE POINT EXTRACTION SPECIFICATION SPLICE SEATTLE PUBLIC UTILITIES SQUARE FOOT, SQUARE FEET STATE ROUTE STORM SEWER, SUBSTATION (WSDOT) SANITARY SEWER, SIDE SEWER (COMBINED), STAINLESS STEEL (COS /SPU) STAINLESS STEEL STEEL (WSDOT), STRAND, STREET STIFFENER STATION, STATIONING (WSDOT) STIRRUP STEEL STRAIGHT SPLICE SUBSURFACE UTILITY ENGINEERING SERVICE SOUTHWEST, SWITCH (WSDOT) SWITCHGEAR TERMINAL 46 TEMPORARY CONSTRUCTION EASEMENT TEMPORARY, TEMPERATURE POLYTETRAFLUORETHYLENE TEST HOLE THERMOPLASTIC HEAT AND WATER RESISTANT INSULATED WIRE THROUGH PLATE GIRDER TRANSITION TRANSFORMER TRANSVERSE TRAFFIC CONDUIT STRUCTURAL TUBING, TEST STATION (WSDOT) TYPICAL UNKNOWN VOLT, VAULT, VEHICLE VARIABLE, VARIES VALVE BOX VERTICAL CURVE VIDEO DETECTION ZONE VIDEO IMAGE VEHICLE DETECTION VARIABLE MESSAGE SIGN VERTICAL POINT OF INTERSECTION VERTICAL WEST, WATT, WIRE, WIDE FLANGE SHAPE, WHITE LIGHT (WSDOT) WILLAMETTE MERIDIAN WASHINGTON OREGON SHIPPERS COOPERATIVE ASSOCIATION WET STANDPIPE / HYDRANT WATER TEST STATION WELDED WIRE FABRIC TRANSFORMER CROSS-LINKED POLYETHYLENE INSULATION WYE CONNECTION ZONE SINGLE CONDUCTOR THREE, SINGLE CONDUCTOR

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME	c:\aawork\pwwork\awv\moattae\dms08247\160073T00CQGN010.DLV		
TIME	10:41:36 AM	REGION NO.	STATE
DATE	2/4/2010	10	WASH
PLOTTED BY	moattae	JOB NUMBER	
DESIGNED BY		CONTRACT NO.	
ENTERED BY		LOCATION NO.	
CHECKED BY			
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN	REVISION	DATE BY



DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL
ABBREVIATIONS SHEET

GN010
SHEET
OF
SHEETS

moattae

LINETYPE LEGEND:

----	EDGE OF CONCRETE
----	EDGE OF ASPHALT
----	CURB WITH SIDEWALK
----	CURB (NO WALK)
----	HANDRAILING
----	GUARD RAIL
----	RETAINING WALL
----	OUTER EDGE OF PROJECTED ELEVATED TRAVELED SURFACE ROADWAY
----	BOTTOM OF ELEVATED ROADWAY (LOW POINTS)
----	BUILDING - STRUCTURE
----	BUILDING OVERHANG OR AWNING
----	RAILROAD -TROLLEY TRACKS
----	PAVEMENT MARKING (SKIP STRIPE)
----	PAVEMENT MARKING (SOLID STRIPE)
----	PAVEMENT MARKING (STOP BAR)
----	PAVEMENT MARKING (CROSS WALK)
----	SHRUB-BUSHES
----	AREA OF VEGETATION
----	PROPERTY LINE
----	RIGHT OF WAY

LEGEND:

	PARKING METER		FIRE HOSE CONNECTION
	SIGN POST		FIRE HOSE VALVE
	LIGHT STANDARD (DOUBLE LAMP)		FIRE DEPARTMENT CONNECTION (FDC)
	LIGHT STANDARD (SINGLE LAMP)		TRAFFIC FLOW
	UNDERDECK LUMINAIRE		FIXED FIRE SUPPRESSION ZONE
	UTILITY POLE		BACKFLOW PREVENTER WITH GATE VALVES
	SIGNAL LIGHT POLE		GATE VALVE
	STORM CATCH BASIN		BALL VALVE
	MANHOLE		BUTTERFLY VALVE
	BRIDGE DRAIN DOWN SPOUT		CHECK VALVE
	TRAFFIC CONTROLLER CABINET		DELUGE VALVE
	VAULT		REDUCER (CONCENTRIC)
	RISER		THREADED CAP
	MONITORING WELL		WELDED CAP
	RAIL LINE TRACK SWITCH		ELBOW, TURNED UP
	FIRE HYDRANT		ELBOW, TURNED DOWN
	WHEEL CHAIR ACCESS RAMP		TEE, OUTLET UP
	COLUMN OR PILLAR		TEE, OUTLET DOWN
	GUARD POST OR BOLLARD		FIRE EXTINGUISHER
	MAILBOX		FIRE HOSE VALVE & EXTINGUISHER CABINET FHVC
	TELEPHONE BOOTH		PENDANT SPRINKLER HEAD
	PEDESTRIAN PUSH BUTTON POST		PIPE ANCHOR
	TREE WELL		PIPE GUIDE
	LIGHT POLE		VERTICAL SUPPORT
	VALVE		POINT OF CONNECTION
	JUNCTION BOX		FLOW SWITCH
	METER		
	HEDGE-SHRUBS		
	VERTICAL CONDUIT		
	ECOLOGY BLOCK		
	TRAFFIC BARRIER		
	POLE (GUY) ANCHOR		
	CULVERT		
	PARKING		
	TRANSIT		
	SHARROW		
	BIKE LANE		
	PAN TILT ZOOM CAMERA		
	FIXED PARKING		

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

moattae

FILE NAME				c:\aawork\pwwork\law\moattae\dms08247160073T00CQGN011.DLV			
TIME				10:41:39 AM			
DATE				2/4/2010			
PLOTTED BY				moattae			
DESIGNED BY							
ENTERED BY							
CHECKED BY							
PROJ. ENGR.				S. EVERETT			
REGIONAL ADM.				R. PAANANEN			
REVISION		DATE		BY			
REGION NO.		STATE		FED.AID PROJ.NO.			
10		WASH					
JOB NUMBER							
CONTRACT NO.				LOCATION NO.			



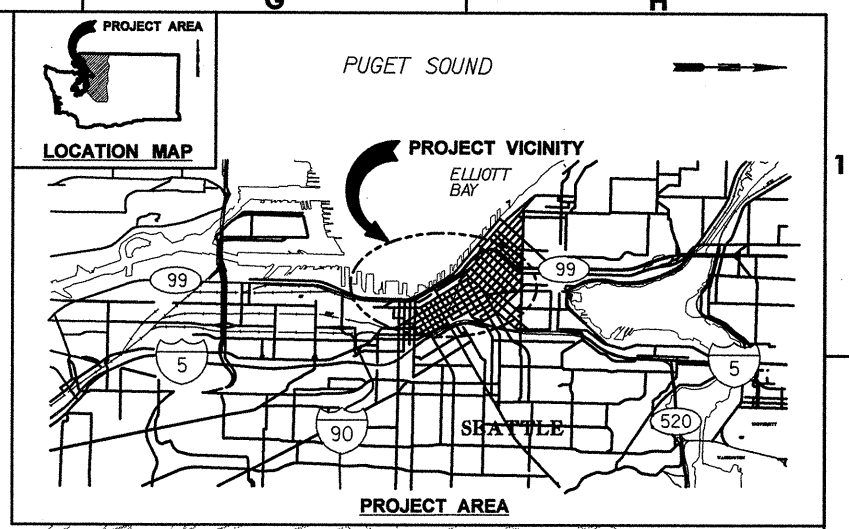
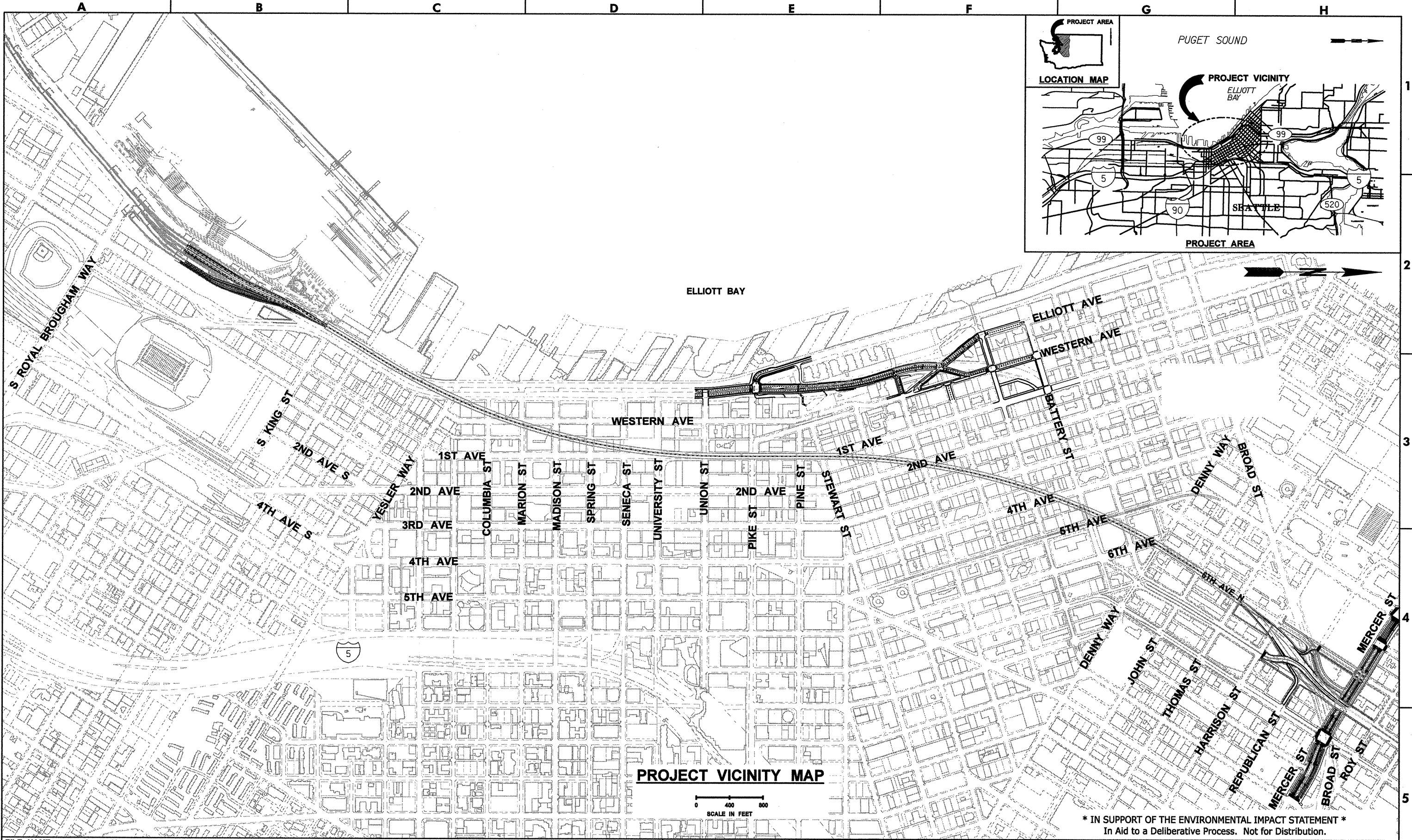
DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
SYMBOL SHEET

GN011
SHEET
OF
SHEETS

1
2
3
4
5



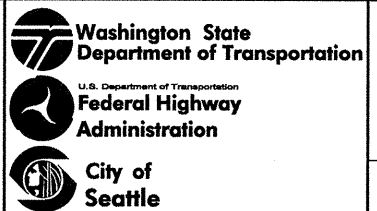
PROJECT VICINITY MAP

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME		c:\aawork\pwwork\law\moattae\dms08247160073T00CQGN020.DLV	
TIME	10:41:55 AM	REGION NO.	STATE
DATE	2/4/2010	10	WASH
PLOTTED BY	moattae	JOB NUMBER	
DESIGNED BY		CONTRACT NO.	
ENTERED BY		LOCATION NO.	
CHECKED BY			
PROJ. ENGR.	S. EVERETT	REVISION	DATE BY
REGIONAL ADM.	R. PAANANEN		



DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION

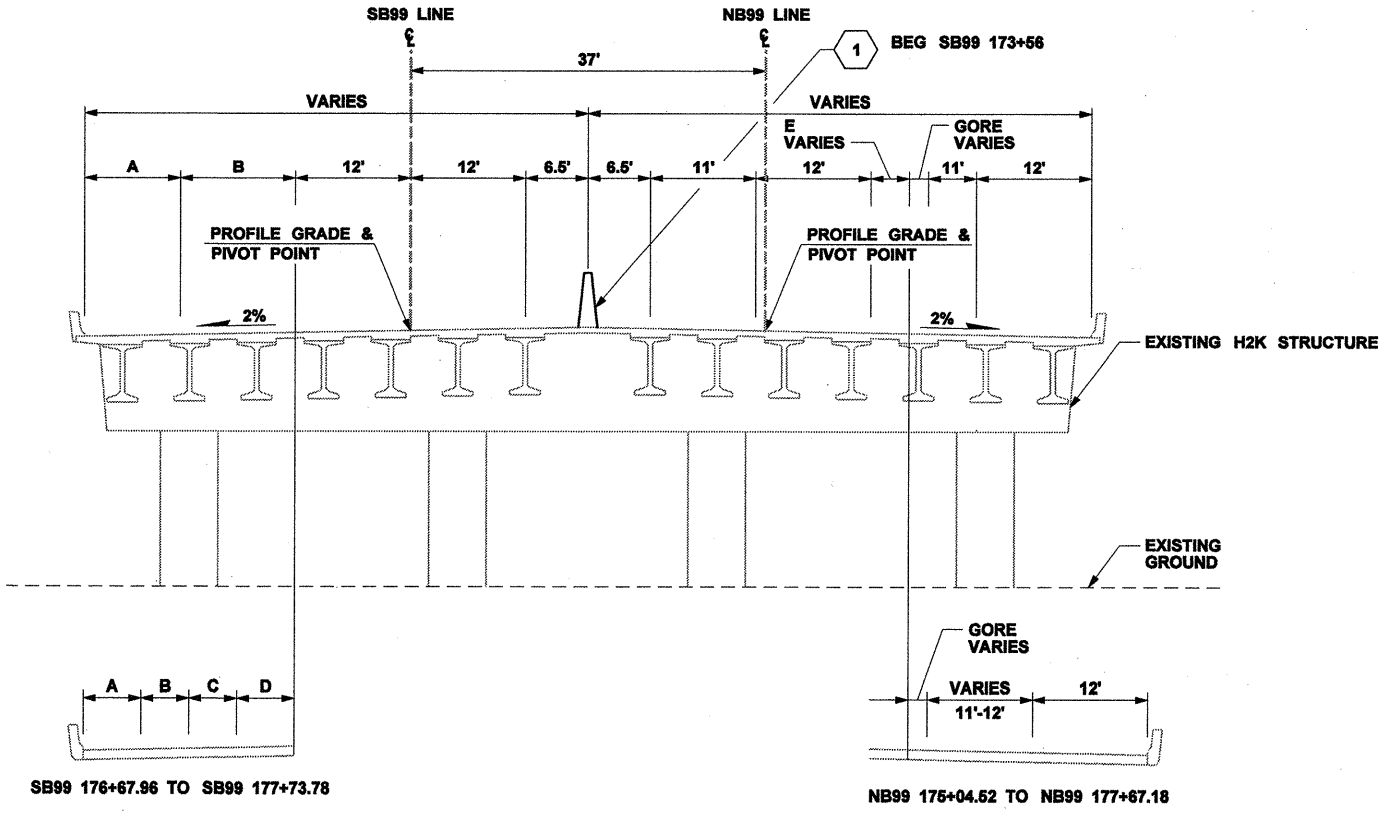


ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL
VICINITY MAP

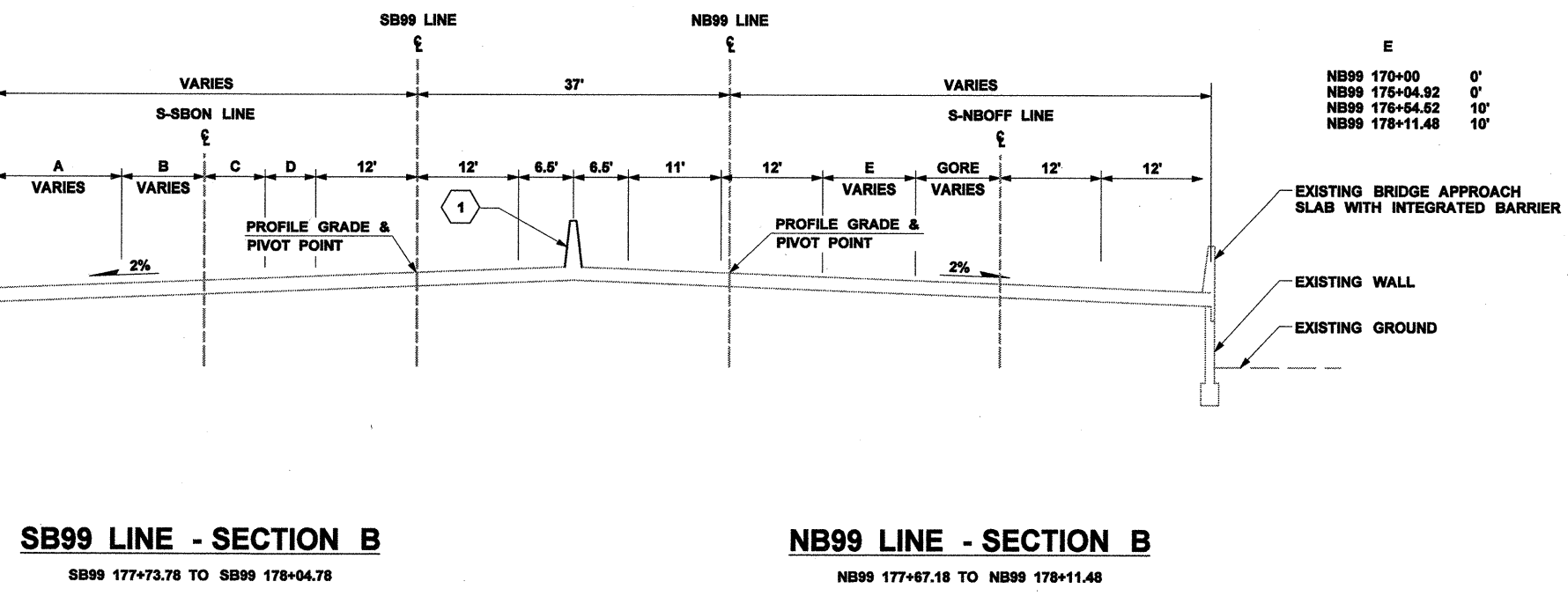
GN020
SHEET OF SHEETS

moattae

A	
SB99 170+00.00	10'
SB99 175+87.64	10'
SB99 177+70.00	8'
SB99 178+03.44	8'
B	
SB99 170+00.00	12'
SB99 175+87.64	12'
SB99 177+70.00	15'
SB99 178+03.44	15'
C	
SB99 176+67.56	0'
SB99 176+60.10	2'
SB99 178+04.78	2'
D	
SB99 177+60.10	0'
SB99 178+04.78	1.34'



LEGEND:
1 SINGLE SLOPE BARRIER



E	
NB99 170+00	0'
NB99 175+04.92	0'
NB99 176+54.62	10'
NB99 178+11.48	10'

NOTE TO REVIEWER
SECTIONS A AND B REPRESENT ORIGINAL H2K CROSS SECTIONS. ACTUAL WIDTH AND LENGTH OF STRUCTURE MAY BE ALTERED IN CHANGE ORDER.

- NOTES:**
- SEE GN010 AND GN011 FOR ABBREVIATIONS, SYMBOLS, AND LINETYPES.
 - ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED.
 - SEE ALIGNMENT SHEETS FOR TRANSITION DETAILS.

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME	c:\aawork\pwwork\lawv\moattae\dms08249\160073T00CQRS001.div		
TIME	1:38:12 PM		
DATE	2/4/2010		
PLOTTED BY	moattae		
DESIGNED BY			
ENTERED BY			
CHECKED BY			
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER		
CONTRACT NO.	LOCATION NO.	



DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION

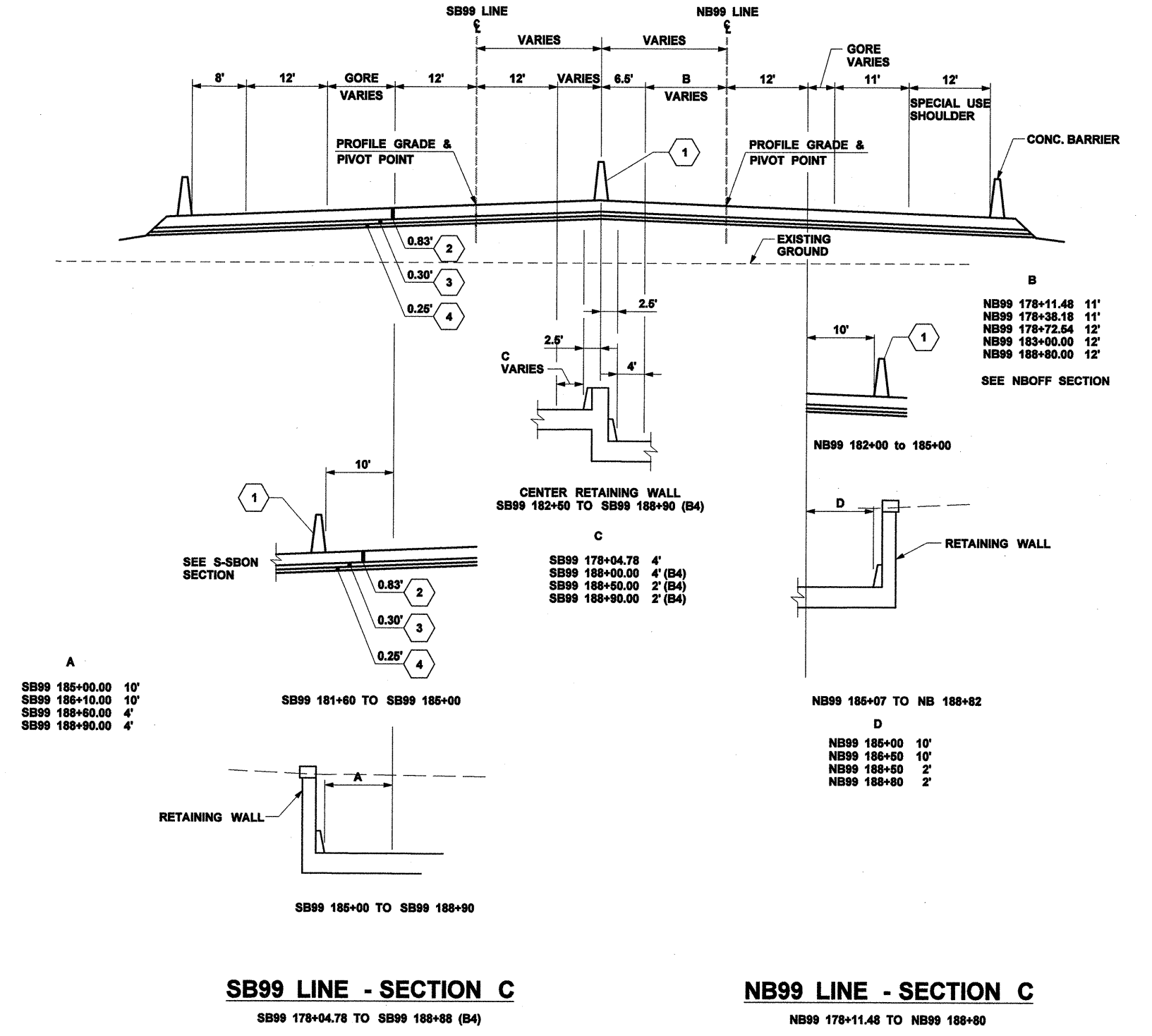


ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL
ROADWAY SECTIONS

RS001
SHEET OF SHEETS

moattae

- LEGEND:**
- 1 SINGLE SLOPE BARRIER
 - 2 CEMENT CONCRETE PAVEMENT
 - 3 HMA CLASS 1/2 IN PG 64-22
 - 4 CRUSHED SURFACING BASE COURSE



- NOTES:**
1. SEE GN010 AND GN011 FOR ABBREVIATIONS, SYMBOLS, AND LINETYPES.
 2. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED.
 3. SEE ALIGNMENT SHEETS FOR TRANSITION DETAILS.

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME: c:\aawork\pwwork\law\moattae\dms08249\160073T00CQRS002.dlv		REGION NO. 10	STATE WASH	FED. AID PROJ. NO.		<p>*DRAFT* CONCEPTUAL DESIGN NOT FOR CONSTRUCTION</p>	Washington State Department of Transportation U.S. Department of Transportation Federal Highway Administration City of Seattle	<p>ALASKAN WAY VIADUCT REPLACEMENT PROJECT SR 99 BORED TUNNEL ROADWAY SECTIONS</p>	RS002
TIME: 1:38:16 PM	DATE: 2/4/2010	JOB NUMBER	CONTRACT NO.	LOCATION NO.					SHEET OF SHEETS
PLOTTED BY: moattae	DESIGNED BY:	CHECKED BY:	PROJ. ENGR. S. EVERETT	REGIONAL ADM. R. PAANANEN	REVISION	DATE	BY		

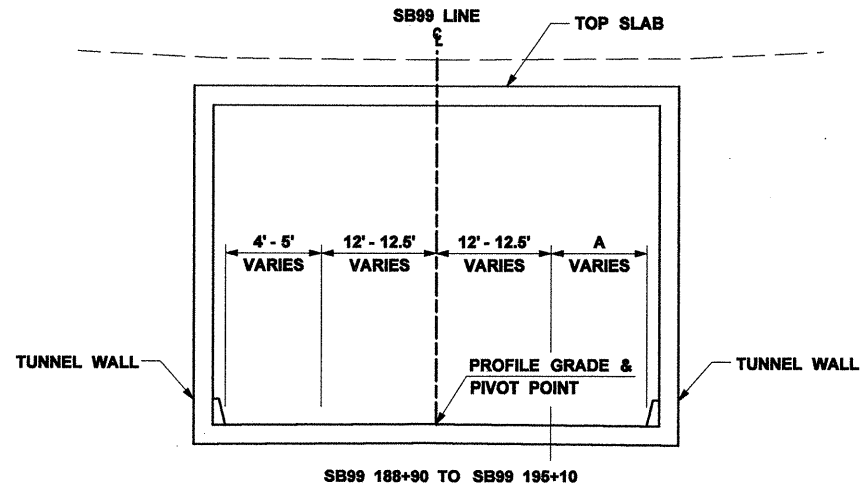
moattae

A

SB99 188+91	2'
SB99 192+10	10'
SB99 192+80	2'
SB99 194+20	2'
SB99 196+10	2'

B

SB99 186+18	4'
SB99 187+70	14'



SB99 188+90 TO SB99 196+10

A

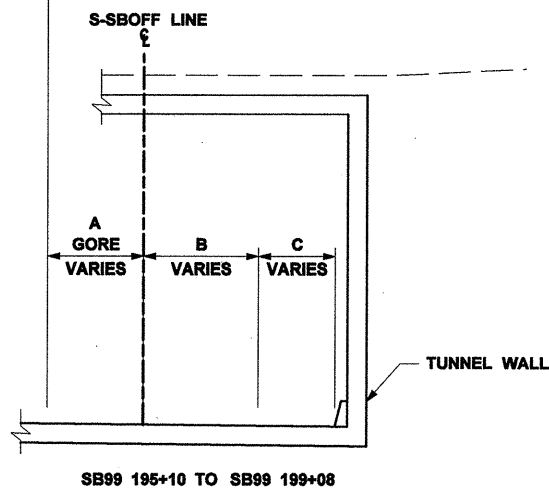
SB99 196+10	23'
SB99 189+00	12'
SB99 197+27	0'
SB99 199+08	0'

B

SB99 196+10	12'
SB99 197+27	12'
SB99 199+08	0'

C

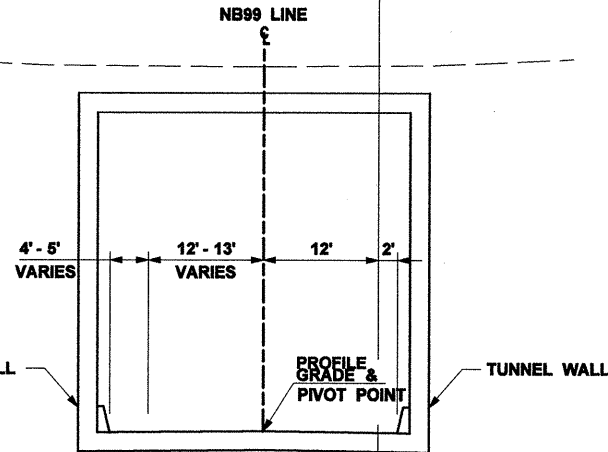
SB99 196+10	8'
SB99 197+00	2'
SB99 199+08	2'



SB99 196+10 TO SB99 199+08

SB99 LINE - SECTION D

SB99 188+90 TO SB99 199+08



D

NB99 190+40	10'
NB99 193+00	0'
NB99 199+04	0'

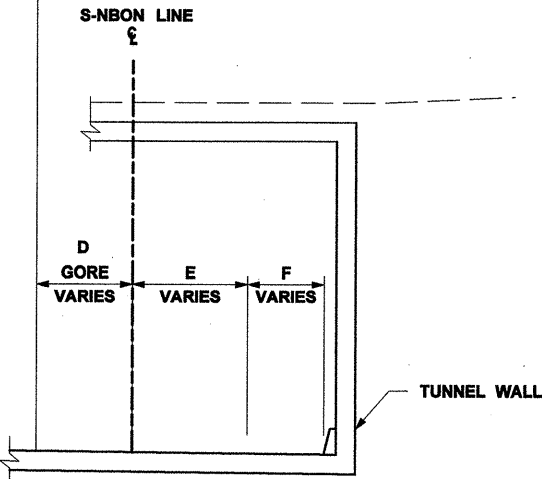
E

NB99 190+40	12'
NB99 196+00	12'
NB99 199+00	0'
NB99 199+04	0'

F

NB99 190+40	8'
NB99 197+50	8'
NB99 199+04	2'

NB99 188+80 TO NB99 190+40



NB99 190+40 TO NB99 199+04

NB99 LINE - SECTION D

NB99 188+80 TO NB99 199+04

NOTES:

- SEE GN010 AND GN011 FOR ABBREVIATIONS, SYMBOLS, AND LINETYPES.
- ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED.
- SEE ALIGNMENT SHEETS FOR TRANSITION DETAILS.
- ROADWAY SHALL HAVE 15' MINIMUM VERTICAL VEHICULAR CLEARANCE.

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

moattae

FILE NAME	c:\aawork\pwwork\law\moattae\dms08249\160073T00CQRS003.dlv		
TIME	1:48:26 PM		
DATE	2/4/2010		
PLOTTED BY	moattae		
DESIGNED BY			
ENTERED BY			
CHECKED BY			
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	
JOB NUMBER		
CONTRACT NO.	LOCATION NO.	

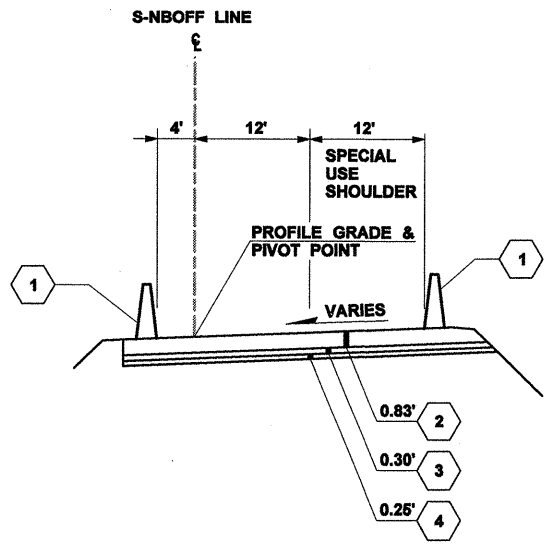


DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



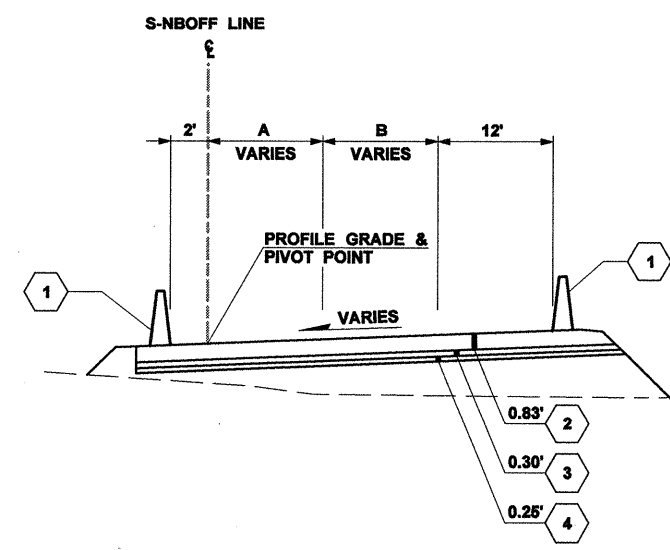
ALASKAN WAY VIADUCT REPLACEMENT PROJECT	
SR 99 BORED TUNNEL	
ROADWAY SECTIONS	

RS003
SHEET OF SHEETS



S-NBOFF LINE - SECTION A

S-NBOFF 13+07.66 TO S-NBOFF 15+00.00



S-NBOFF LINE - SECTION B

S-NBOFF 15+00 TO S-NBOFF 21+70.50

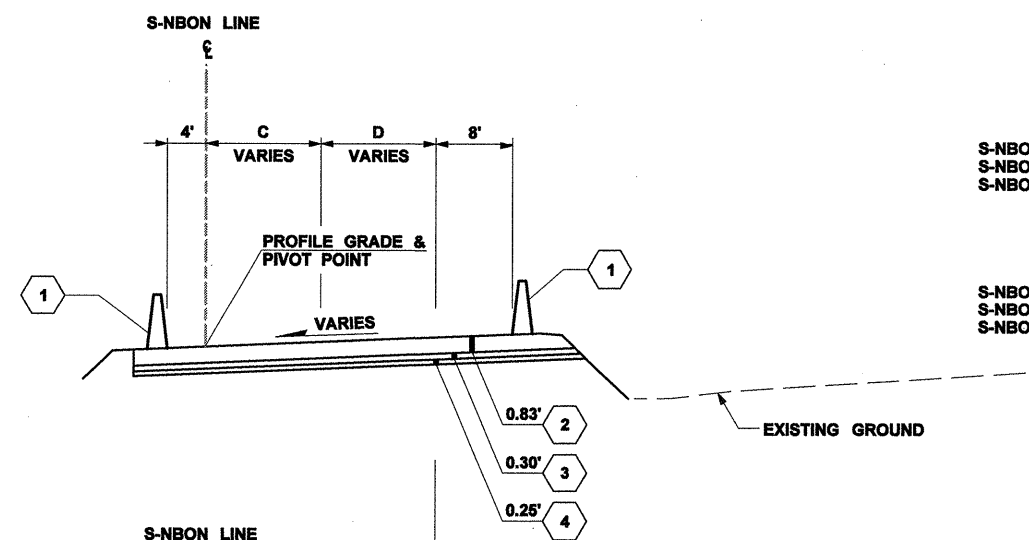
- LEGEND:**
- 1 SINGLE SLOPE BARRIER
 - 2 CEMENT CONCRETE PAVEMENT
 - 3 HMA CLASS 1/2 IN PG 64-22
 - 4 CRUSHED SURFACING BASE COURSE

A

S-NBOFF 15+00 0'
 S-NBOFF 17+67.59 11'
 S-NBOFF 21+70.50 11'

B

S-NBOFF 15+00 12'
 S-NBOFF 17+67.59 11'
 S-NBOFF 21+70.50 11'



S-NBON LINE - SECTION A

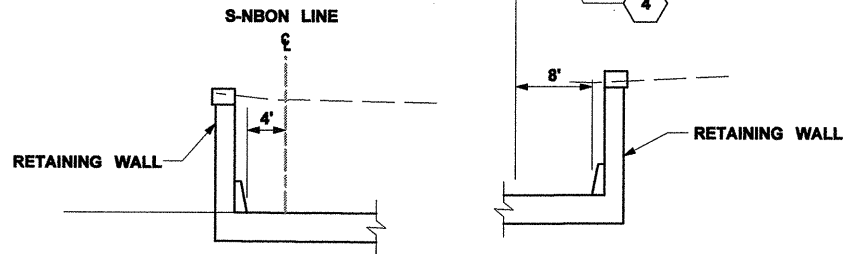
S-NBON 10+00 TO S-NBON 20+55

C

S-NBON 10+00 11'
 S-NBON 14+00 11'
 S-NBON 16+00 0'

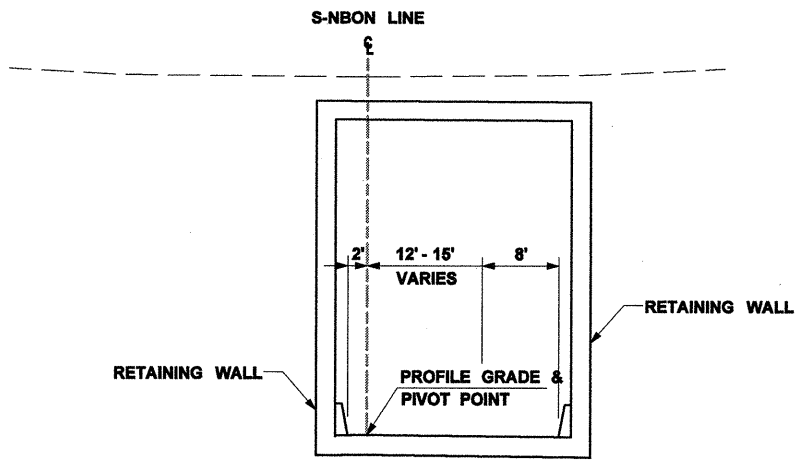
D

S-NBON 10+00 11'
 S-NBON 14+00 11'
 S-NBON 16+00 12'



S-NBON 16+60 TO S-NBON 20+55

S-NBON 16+60 TO S-NBON 20+55



S-NBON LINE - SECTION B

S-NBON 20+55 TO S-NBON 23+30

- NOTES:**
1. SEE GN010 AND GN011 FOR ABBREVIATIONS, SYMBOLS, AND LINETYPES.
 2. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED.
 3. SEE ALIGNMENT SHEETS FOR TRANSITION DETAILS.
 4. ROADWAY SHALL HAVE 15' MINIMUM VERTICAL VEHICULAR CLEARANCE.

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
 In Aid to a Deliberative Process. Not for Distribution.

FILE NAME	c:\aawork\pwwork\lawv\moattae\dms08249\160073T00CQRS004.dwg		
TIME	1:38:21 PM		
DATE	2/4/2010		
PLOTTED BY	moattae		
DESIGNED BY			
ENTERED BY			
CHECKED BY			
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	
REGION NO.	STATE	FED. AID PROJ. NO.	
10	WASH		
JOB NUMBER			
CONTRACT NO.	LOCATION NO.		



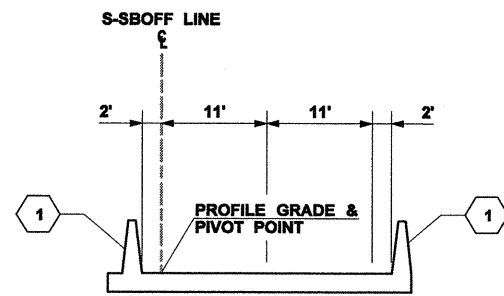
DRAFT
CONCEPTUAL DESIGN
 NOT FOR CONSTRUCTION



ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL
ROADWAY SECTIONS

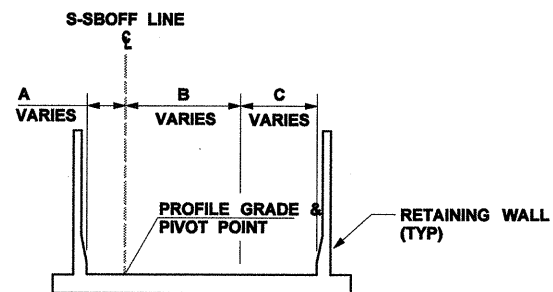
RS004
 SHEET OF SHEETS

moattae



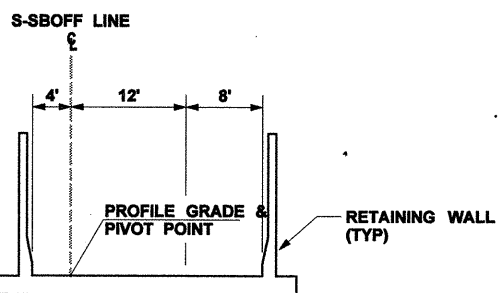
S-SBOFF LINE - SECTION A

S-SBOFF 10+00 TO S-SBOFF 15+60



S-SBOFF LINE - SECTION B

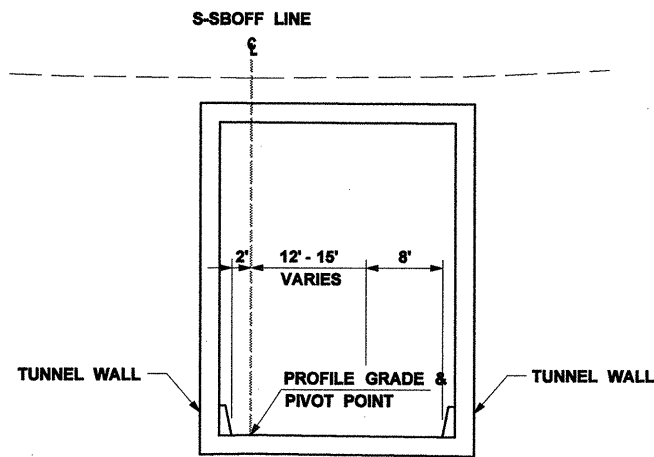
S-SBOFF 15+60 TO S-SBOFF 16+10



S-SBOFF LINE - SECTION C

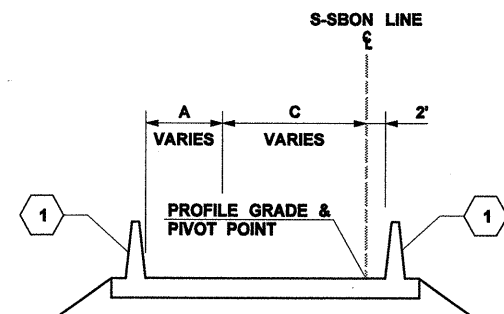
S-SBOFF 16+10 TO S-SBOFF 20+00

A	
S-SBOFF 15+60	2'
S-SBOFF 16+10	4'
B	
S-SBOFF 15+60	22'
S-SBOFF 16+10	12'
C	
S-SBOFF 15+60	2'
S-SBOFF 16+10	8'



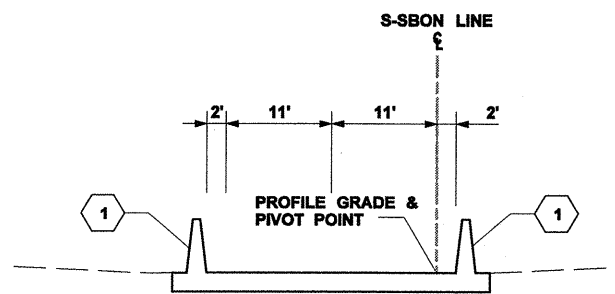
S-SBOFF LINE - SECTION C

S-SBOFF 20+00 TO S-SBOFF 28+80



S-SBON LINE - SECTION A

S-SBON 14+00 TO S-SBON 16+00



S-SBON LINE - SECTION B

S-SBON 16+00 TO S-SBON 21+16

SEE ALIGNMENT PLAN FOR LANE TRANSITIONS

A	
S-SBOFF 12+20	22'
S-SBOFF 14+45	15'
S-SBOFF 17+20	15'
S-SBOFF 17+95	12'
S-SBOFF 18+20	12'

LEGEND:

1 SINGLE SLOPE BARRIER

B	
S-SBOFF 10+00	2'
S-SBOFF 12+20	2'
S-SBOFF 14+45	8'
S-SBOFF 17+00	8'

A	
S-SBON 14+00	5'
S-SBON 16+00	2'

C	
S-SBON 14+00	15'
S-SBON 16+00	22'

NOTES:

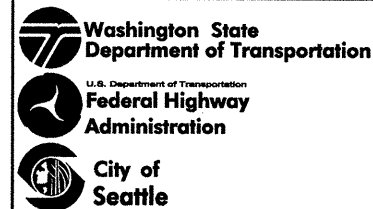
1. SEE GN010 AND GN011 FOR ABBREVIATIONS, SYMBOLS, AND LINETYPES.
2. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED.
3. SEE ALIGNMENT SHEETS FOR TRANSITION DETAILS.
4. ROADWAY SHALL HAVE 15' MINIMUM VERTICAL VEHICULAR CLEARANCE.

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME	c:\aawork\pwwork\law\moattae\dms08249\160073T00CQRS005.dlv		
TIME	1:38:24 PM		
DATE	2/4/2010		
PLOTTED BY	moattae		
DESIGNED BY			
ENTERED BY			
CHECKED BY			
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	
REGION NO.	STATE	FED. AID PROJ. NO.	
10	WASH		
JOB NUMBER			
CONTRACT NO.	LOCATION NO.		



DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION

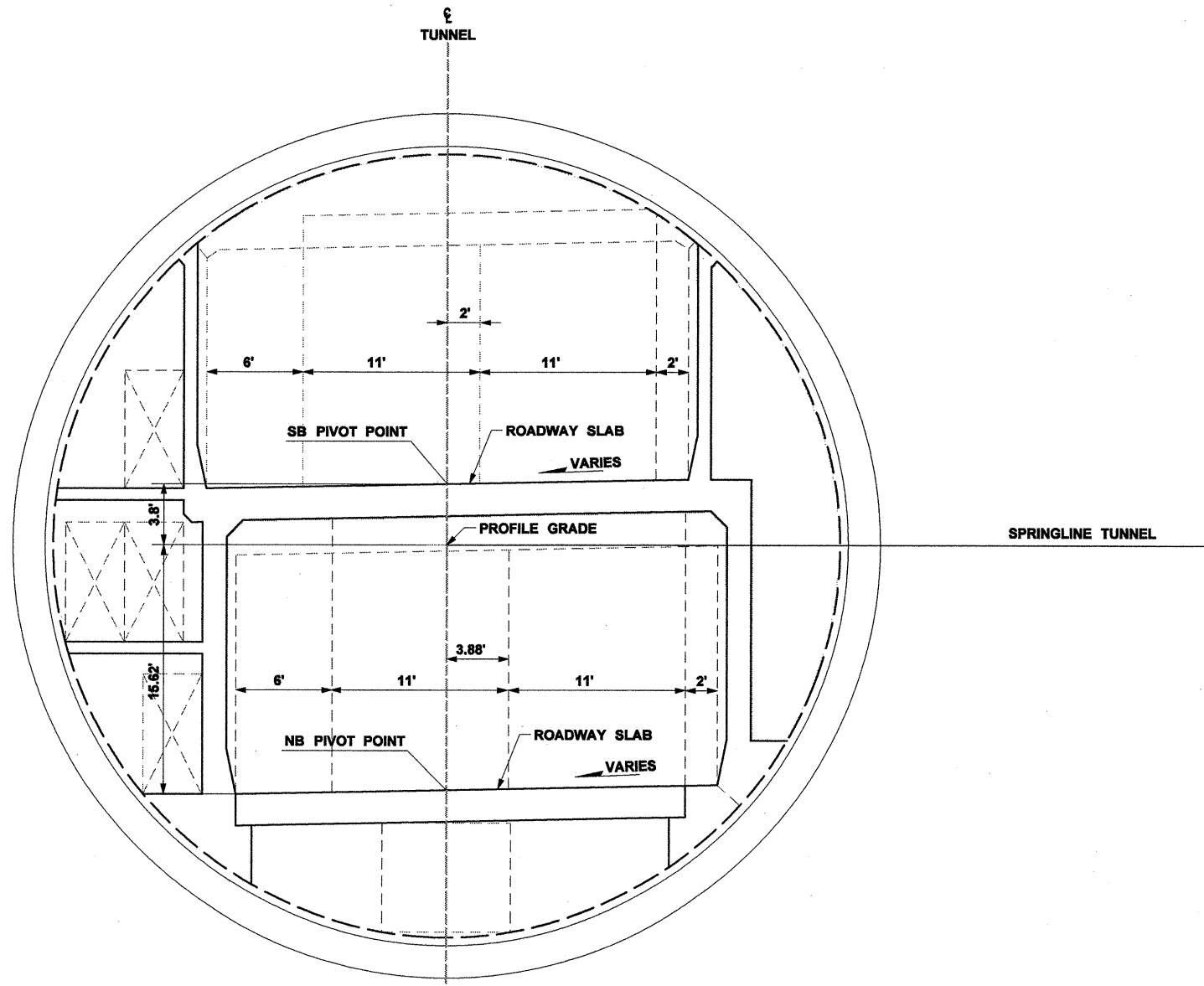


**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
ROADWAY SECTIONS

RS005

SHEET
OF
SHEETS

moattae

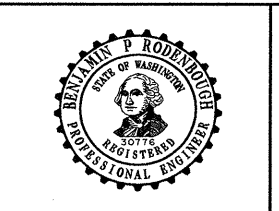


BT99 LINE - SECTION A
STA 200+00 TO STA 288+20

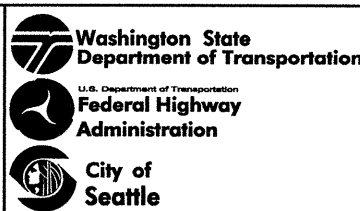
1. SEE GN010 AND GN011 FOR ABBREVIATIONS, SYMBOLS, AND LINETYPES.
2. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED.
4. SEE ALIGNMENT SHEETS FOR TRANSITION DETAILS.
5. ROADWAY SHALL HAVE 15' MINIMUM VERTICAL VEHICULAR CLEARANCE.

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to the Support of the Draft Distribution.

FILE NAME		c:\aawork\pwwork\aw\moattae\dms08249160073T00CQRS006.dwg	
TIME	1:38:26 PM	REGION NO.	STATE
DATE	2/4/2010	10	WASH
PLOTTED BY	moattae	JOB NUMBER	
DESIGNED BY		CONTRACT NO.	
ENTERED BY		LOCATION NO.	
CHECKED BY			
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN	REVISION	DATE BY



DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
ROADWAY SECTIONS

RS006
SHEET
OF
SHEETS

moattae

A

B

C

D

E

F

G

H

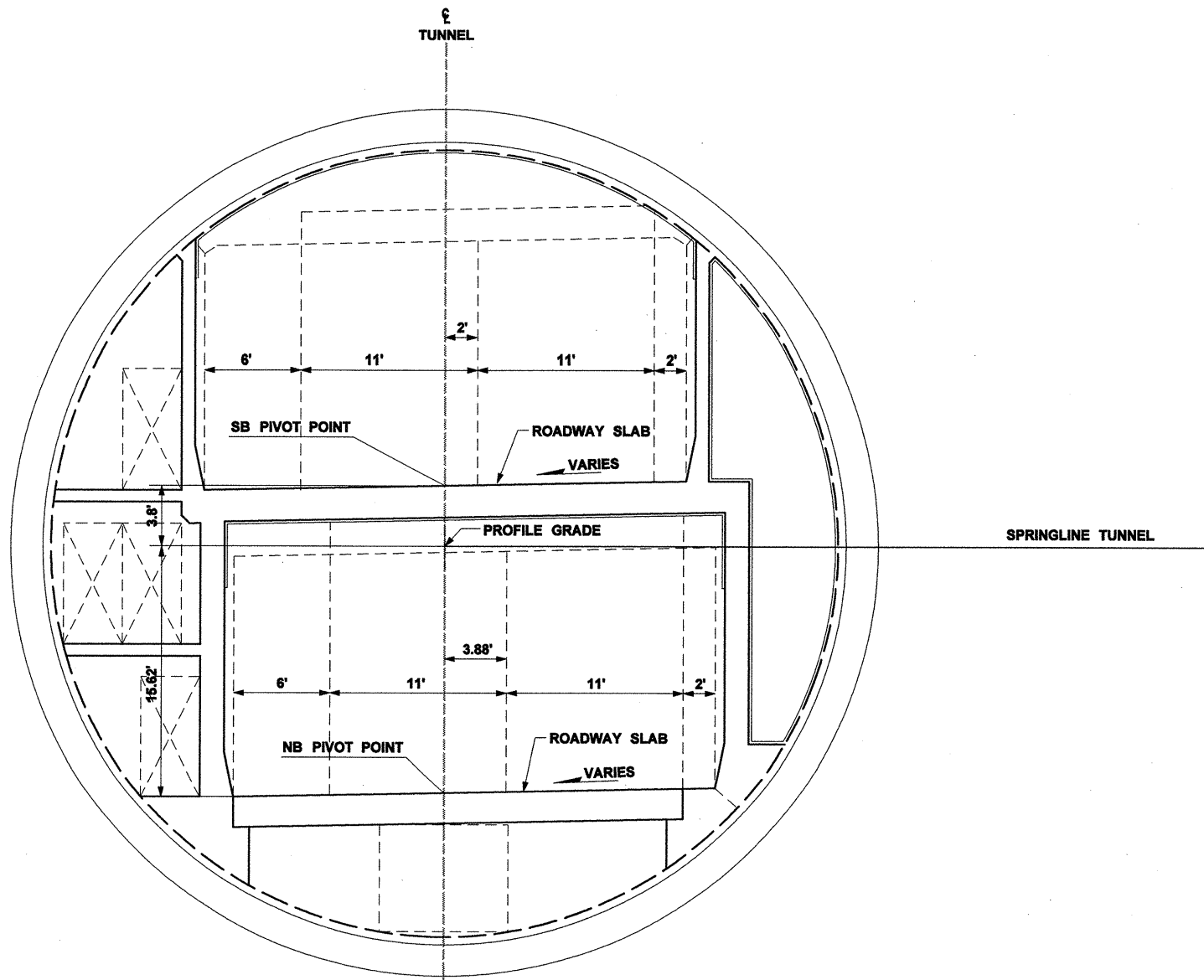
1

2

3

4

5



BT99 LINE - SECTION A (ALTERNATIVE)

STA 200+00 TO STA 288+20

1. SEE GN010 AND GN011 FOR ABBREVIATIONS, SYMBOLS, AND LINETYPES.
2. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED.
4. SEE ALIGNMENT SHEETS FOR TRANSITION DETAILS.
5. ROADWAY SHALL HAVE 15' MINIMUM VERTICAL VEHICULAR CLEARANCE.

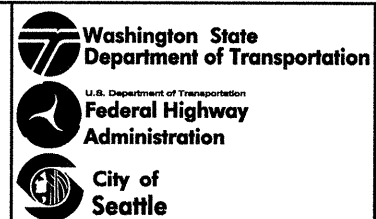
* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME	c:\aawork\pwwork\lawv\moattae\dms08249\160073T00CLRS006_A.dwg		
TIME	1:38:10 PM		
DATE	2/4/2010		
PLOTTED BY	moattae		
DESIGNED BY			
ENTERED BY			
CHECKED BY			
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER		
CONTRACT NO.	LOCATION NO.	



DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



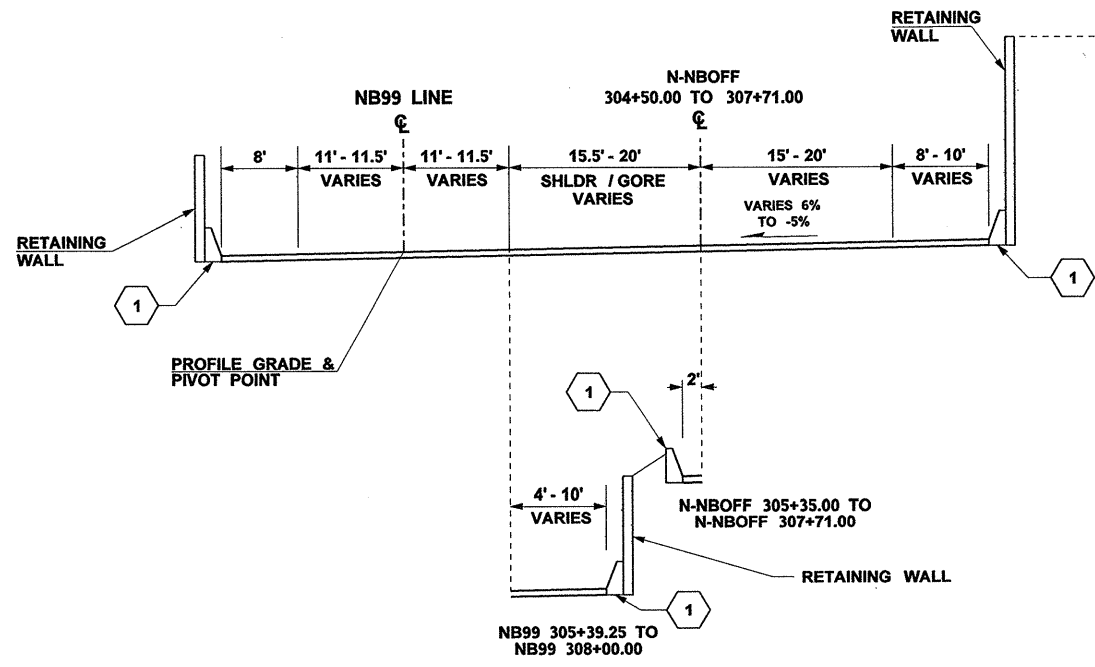
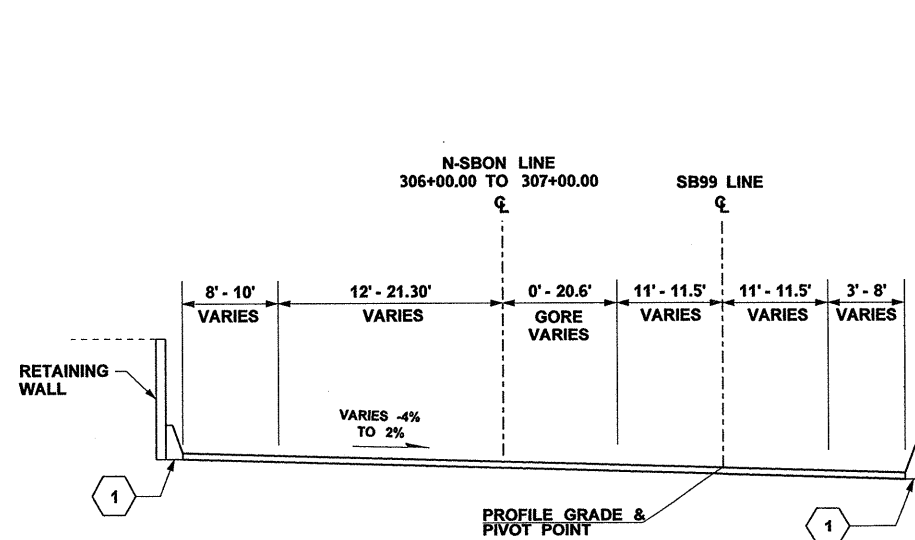
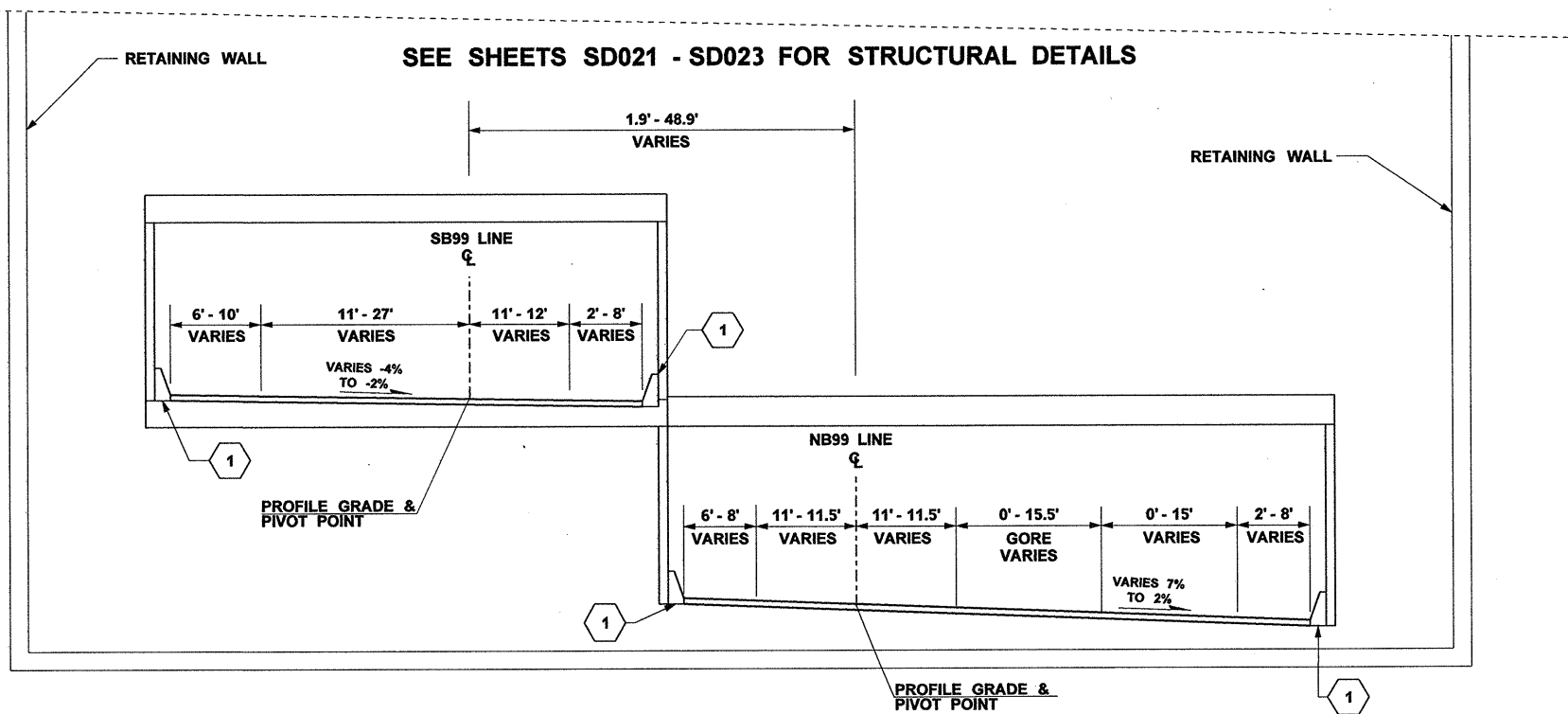
**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
**ROADWAY SECTIONS
ALTERNATIVE**

RS006A

SHEET
OF
SHEETS

moattae

LEGEND:
 1 SINGLE SLOPE BARRIER



- NOTES:**
1. SEE GN010 AND GN011 FOR ABBREVIATIONS, SYMBOLS, AND LINETYPES.
 2. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED.
 3. SEE ALIGNMENT SHEETS FOR TRANSITION DETAILS.
 4. ROADWAY SHALL HAVE 15' MINIMUM VERTICAL VEHICULAR CLEARANCE.

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
 In Aid to a Deliberative Process. Not for Distribution.

FILE NAME	c:\aawork\pwwork\law\crosles\dms08249160073T00CQRS007.dlv		
TIME	8:21:18 AM		
DATE	2/5/2010		
PLOTTED BY	crosles		
DESIGNED BY			
ENTERED BY			
CHECKED BY			
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	
REGION NO.	STATE	FED. AID PROJ. NO.	
10	WASH		
JOB NUMBER			
CONTRACT NO.	LOCATION NO.		



DRAFT
CONCEPTUAL DESIGN
 NOT FOR CONSTRUCTION

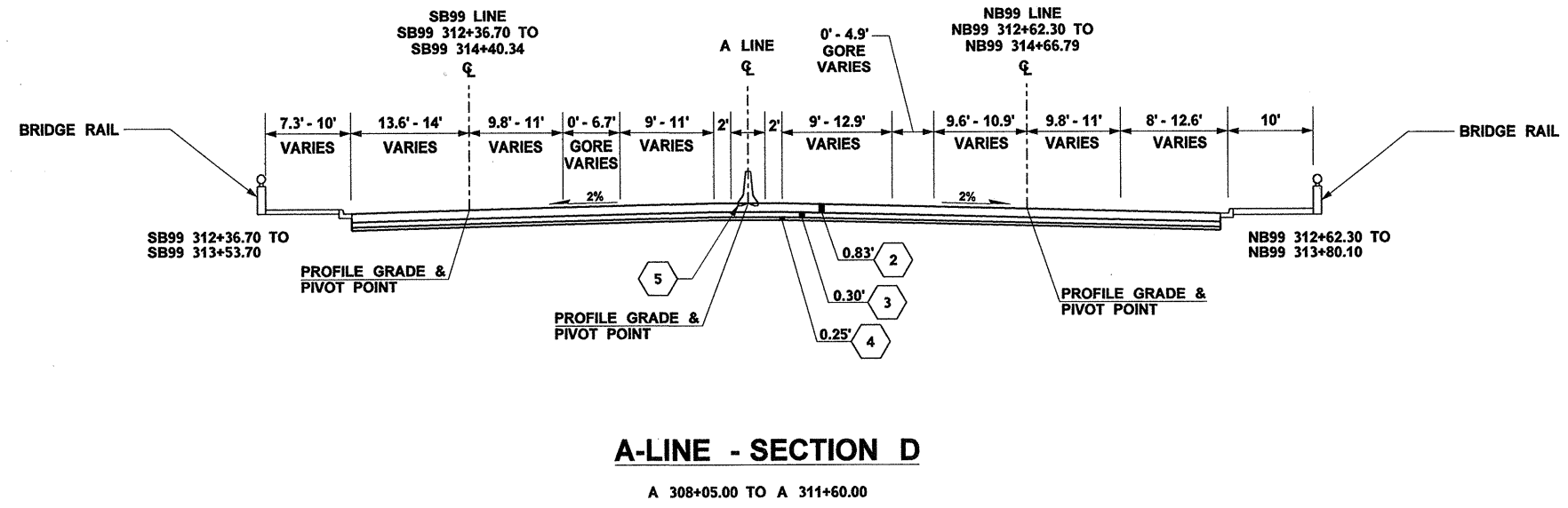
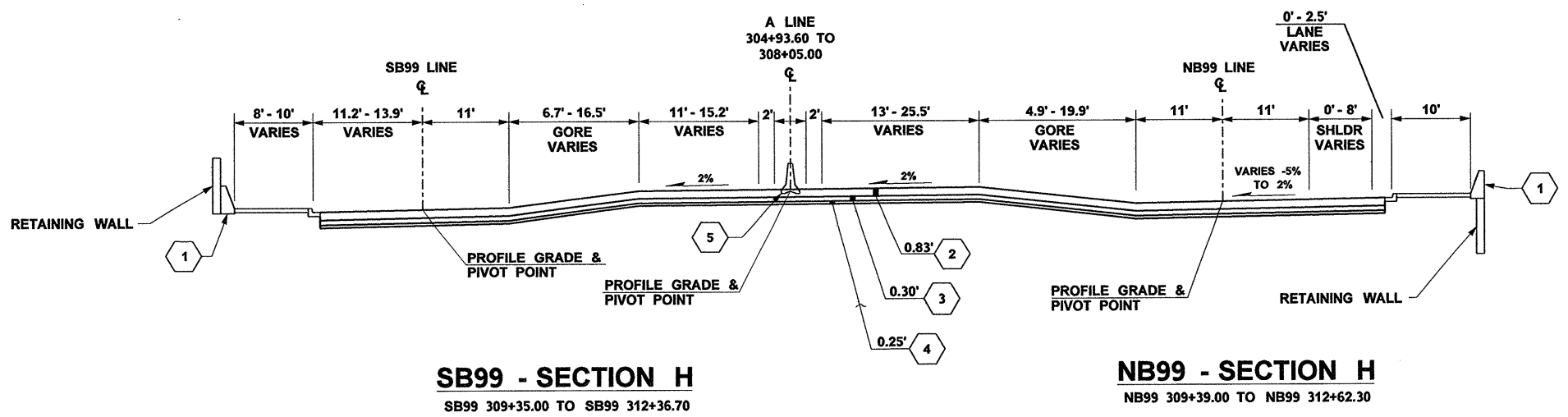
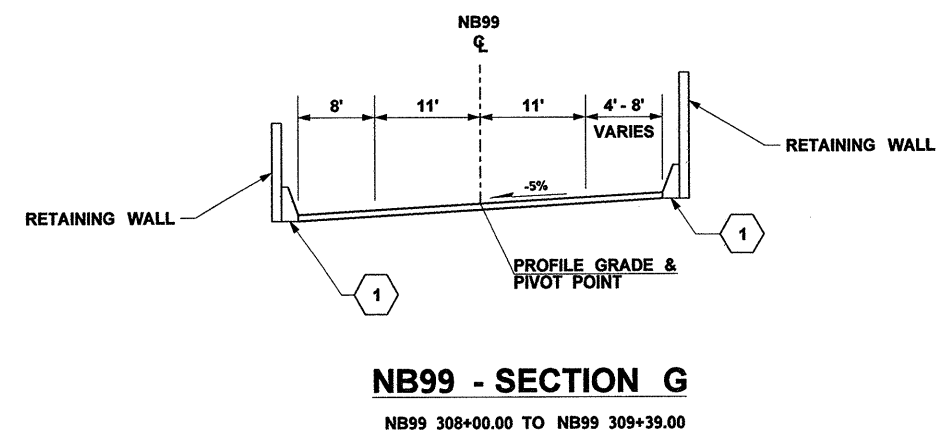
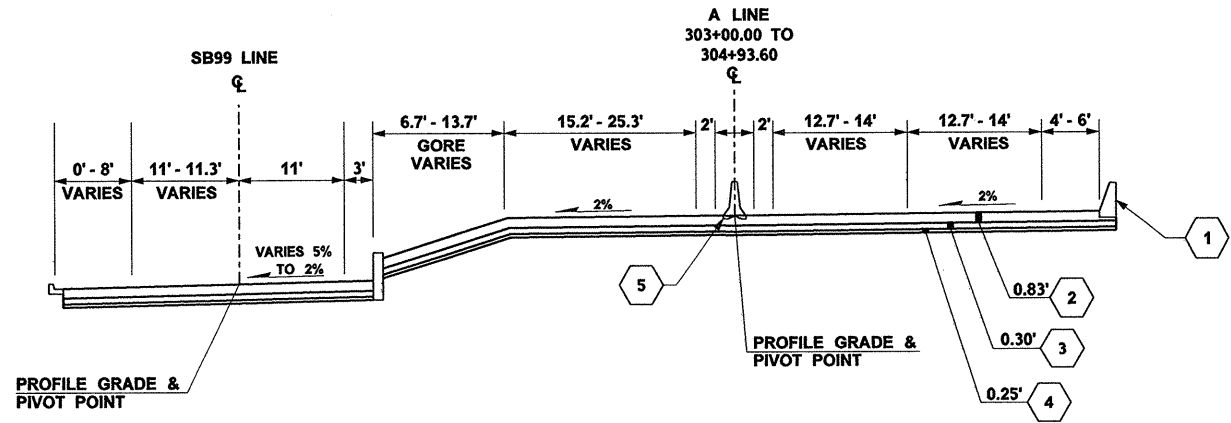


ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL
ROADWAY SECTIONS

RS007
 SHEET OF SHEETS

Crosles

- LEGEND:**
- 1 SINGLE SLOPE BARRIER
 - 2 CEMENT CONCRETE PAVEMENT
 - 3 HMA CLASS 1/2 IN PG 64-22
 - 4 CRUSHED SURFACING BASE COURSE
 - 5 PRECAST CONC. BARRIER TYPE 2



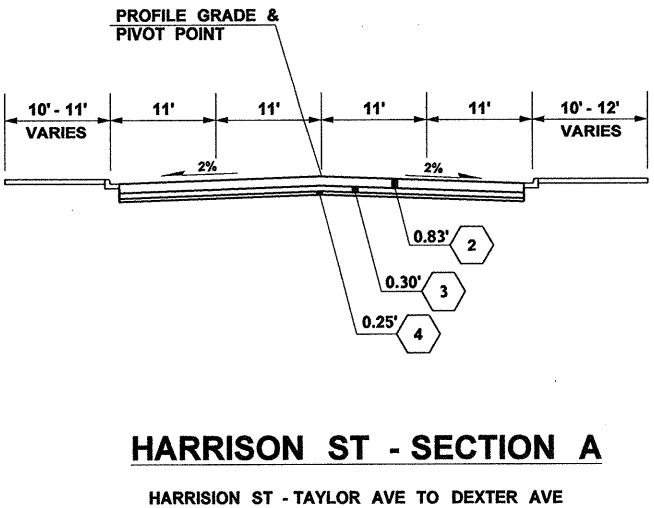
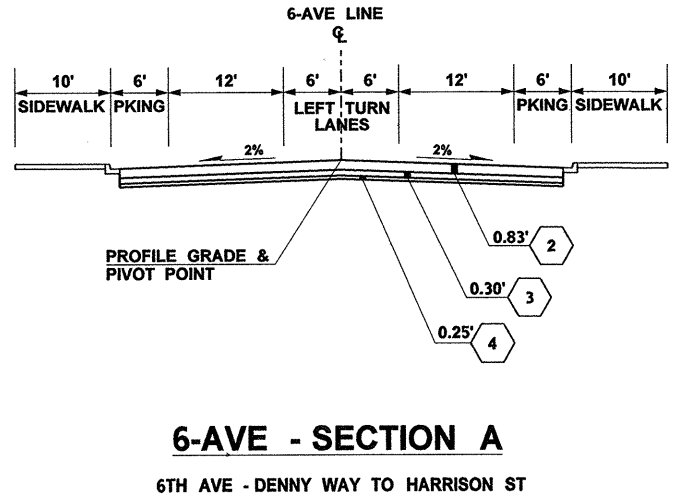
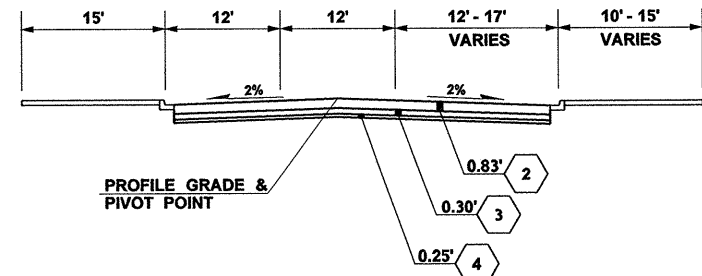
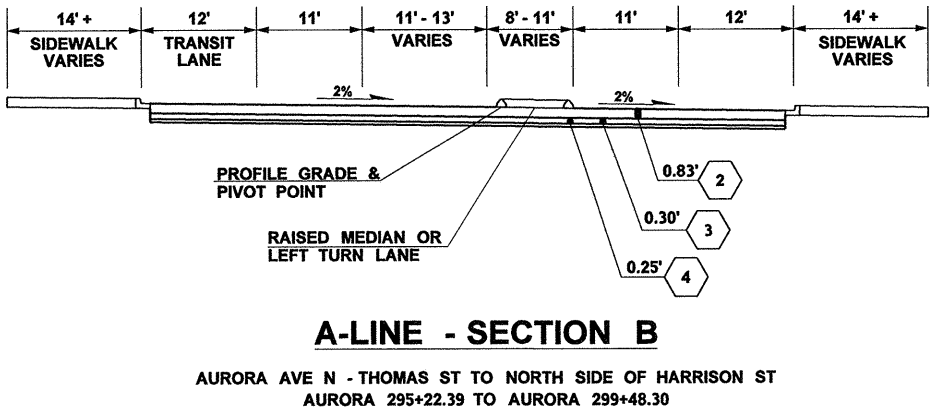
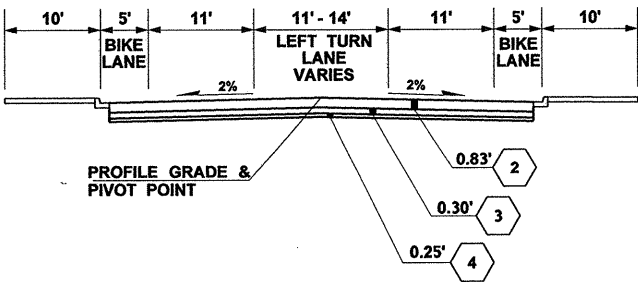
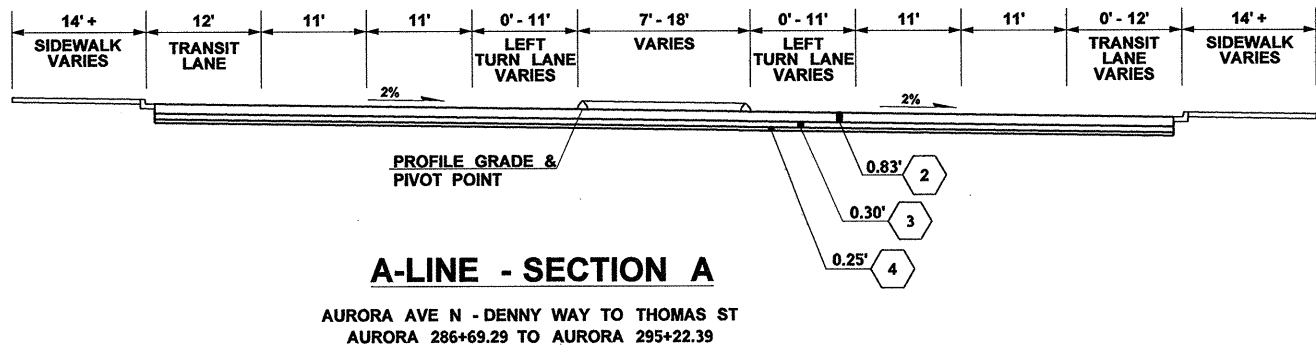
- NOTES:**
1. SEE GN010 AND GN011 FOR ABBREVIATIONS, SYMBOLS, AND LINETYPES.
 2. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED.
 3. SEE ALIGNMENT SHEETS FOR TRANSITION DETAILS.
 4. ROADWAY SHALL HAVE 15' MINIMUM VERTICAL VEHICULAR CLEARANCE.

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME	c:\aawork\pwwork\law\crosies\dms08249160073T00CQRS008.dlv			REGION NO.	STATE	FED. AID PROJ. NO.		<p>*DRAFT* CONCEPTUAL DESIGN NOT FOR CONSTRUCTION</p>	<p>Washington State Department of Transportation</p> <p>U.S. Department of Transportation Federal Highway Administration</p> <p>City of Seattle</p>	<p>ALASKAN WAY VIADUCT REPLACEMENT PROJECT SR 99 BORED TUNNEL ROADWAY SECTIONS</p>	RS008
TIME	8:22:06 AM			10	WASH	LOCATION NO.					SHEET OF SHEETS
DATE	2/5/2010			JOB NUMBER							
PLOTTED BY	crosies			CONTRACT NO.							
DESIGNED BY											
ENTERED BY											
CHECKED BY											
PROJ. ENGR.	S. EVERETT										
REGIONAL ADM.	R. PAANANEN			REVISION	DATE	BY					

crosies

- LEGEND:**
- 2 CEMENT CONCRETE PAVEMENT
 - 3 HMA CLASS 1/2 IN PG 64-22
 - 4 CRUSHED SURFACING BASE COURSE



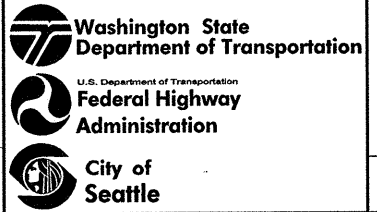
- NOTES:**
1. SEE GN010 AND GN011 FOR ABBREVIATIONS, SYMBOLS, AND LINETYPES.
 2. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED.
 3. SEE ALIGNMENT SHEETS FOR TRANSITION DETAILS.
 4. ROADWAY SHALL HAVE 15' MINIMUM VERTICAL VEHICULAR CLEARANCE.

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
 In Aid to a Deliberative Process. Not for Distribution.

FILE NAME	c:\aawork\pwwork\law\crosies\dms08249160073T00CQRS009.dlv			
TIME	8:22:41 AM			
DATE	2/5/2010			
PLOTTED BY	crosies			
DESIGNED BY				
ENTERED BY				
CHECKED BY				
PROJ. ENGR.	S. EVERETT			
REGIONAL ADM.	R. PAANANEN			
REVISION	DATE	BY	REGION NO.	STATE
			10	WASH
			JOB NUMBER	FED. AID PROJ. NO.
			CONTRACT NO.	LOCATION NO.



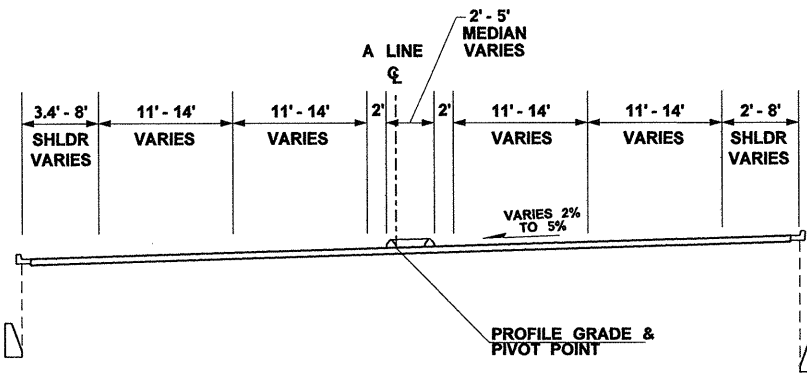
DRAFT
CONCEPTUAL DESIGN
 NOT FOR CONSTRUCTION



ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL
ROADWAY SECTIONS

RS009
 SHEET OF SHEETS

crosies

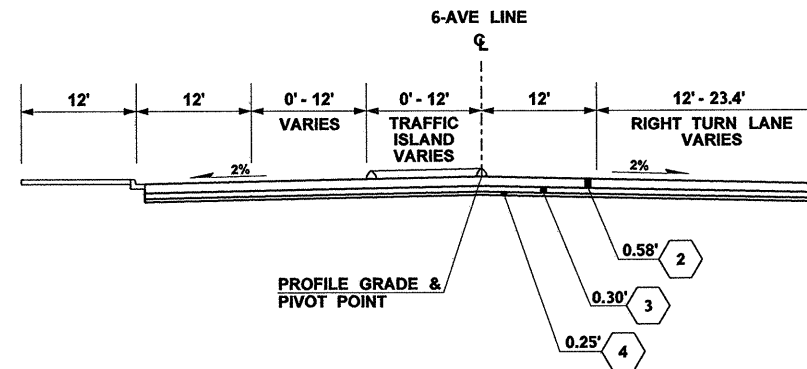


A 300+52.30 TO A 303+00.00

A LINE - SECTION C

A 299+93.80 TO A 303+00.00

A 300+52.30 TO A 303+00.00

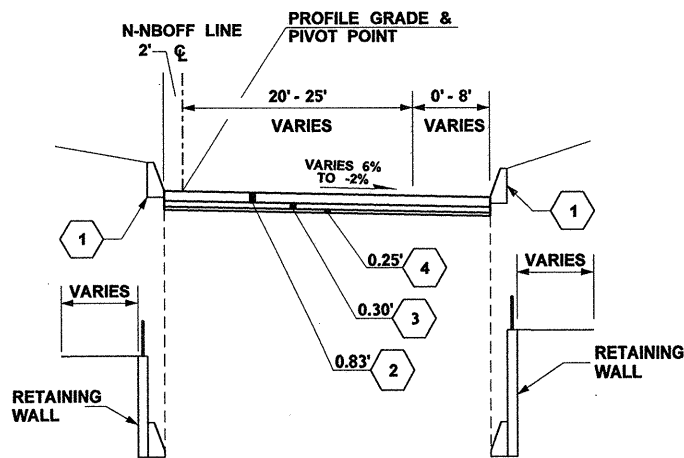


6-AVE - SECTION B

6TH AVE - HARRISON ST TO N-SBON

LEGEND:

- 1 SINGLE SLOPE BARRIER
- 2 CEMENT CONCRETE PAVEMENT
- 3 HMA CLASS 1/2 IN PG 64-22
- 4 CRUSHED SURFACING BASE COURSE

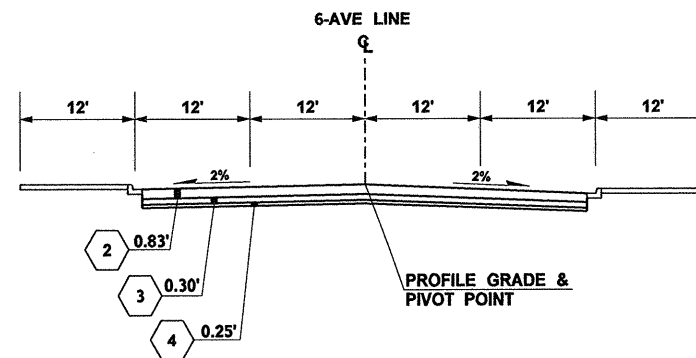


N-NBOFF 309+00.00 TO N-NBOFF 309+96.00

N-NBOFF 309+00.00 TO N-NBOFF 309+96.00

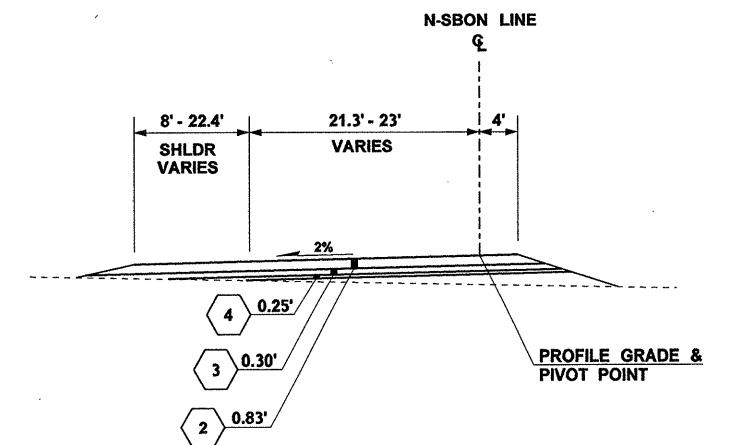
N-NBOFF - SECTION A

N-NBOFF STA. 307+71.00 TO N-NBOFF 309+96.00



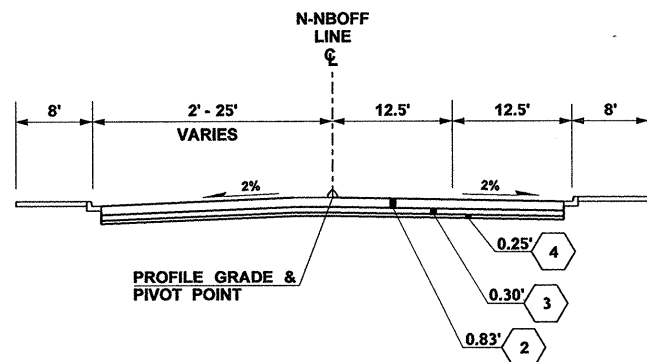
6-AVE - SECTION C (OPTION 1)

6TH AVE - N-SBON RAMP TO MERCER



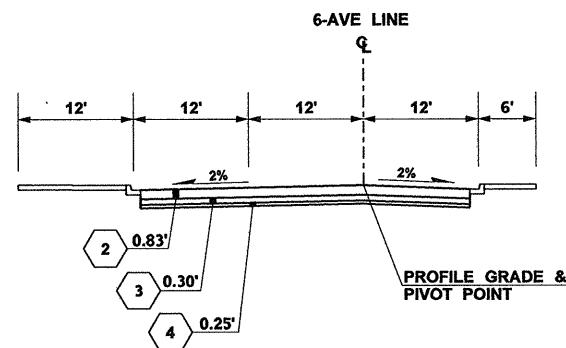
N-SBON - SECTION A (OPTION 1)

N-SBON 307+00.00 TO N-SBON 308+96.29



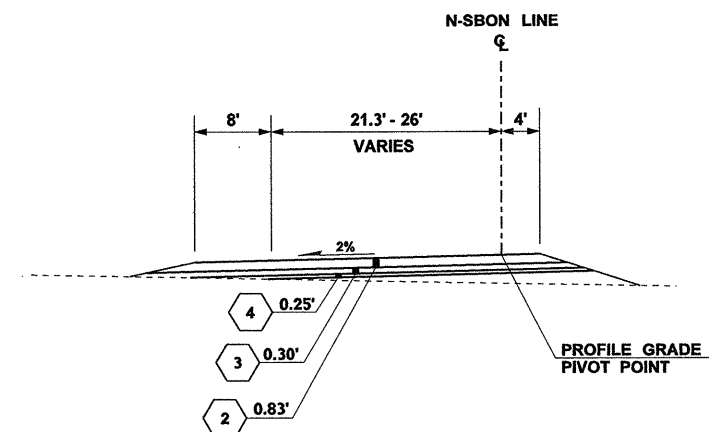
N-NBOFF - SECTION B

N-NBOFF STA. 309+96.00 TO N-NBOFF 311+36.00



6-AVE - SECTION C (OPTION 2)

6TH AVE - N-SBON RAMP TO MERCER



N-SBON - SECTION A (OPTION 2)

N-SBON 307+00.00 TO N-SBON 308+43.08

NOTES:

1. SEE GN010 AND GN011 FOR ABBREVIATIONS, SYMBOLS, AND LINETYPES.
2. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED.
3. SEE ALIGNMENT SHEETS FOR TRANSITION DETAILS.
4. ROADWAY SHALL HAVE 15' MINIMUM VERTICAL VEHICULAR CLEARANCE.

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME	c:\aawork\pwwork\law\crosies\dms08249\160073T00CQRS010.dwg			
TIME	8:23:06 AM			
DATE	2/5/2010			
PLOTTED BY	crosies			
DESIGNED BY				
ENTERED BY				
CHECKED BY				
PROJ. ENGR.	S. EVERETT			
REGIONAL ADM.	R. PAANANEN			
REVISION	DATE	BY	CONTRACT NO.	LOCATION NO.



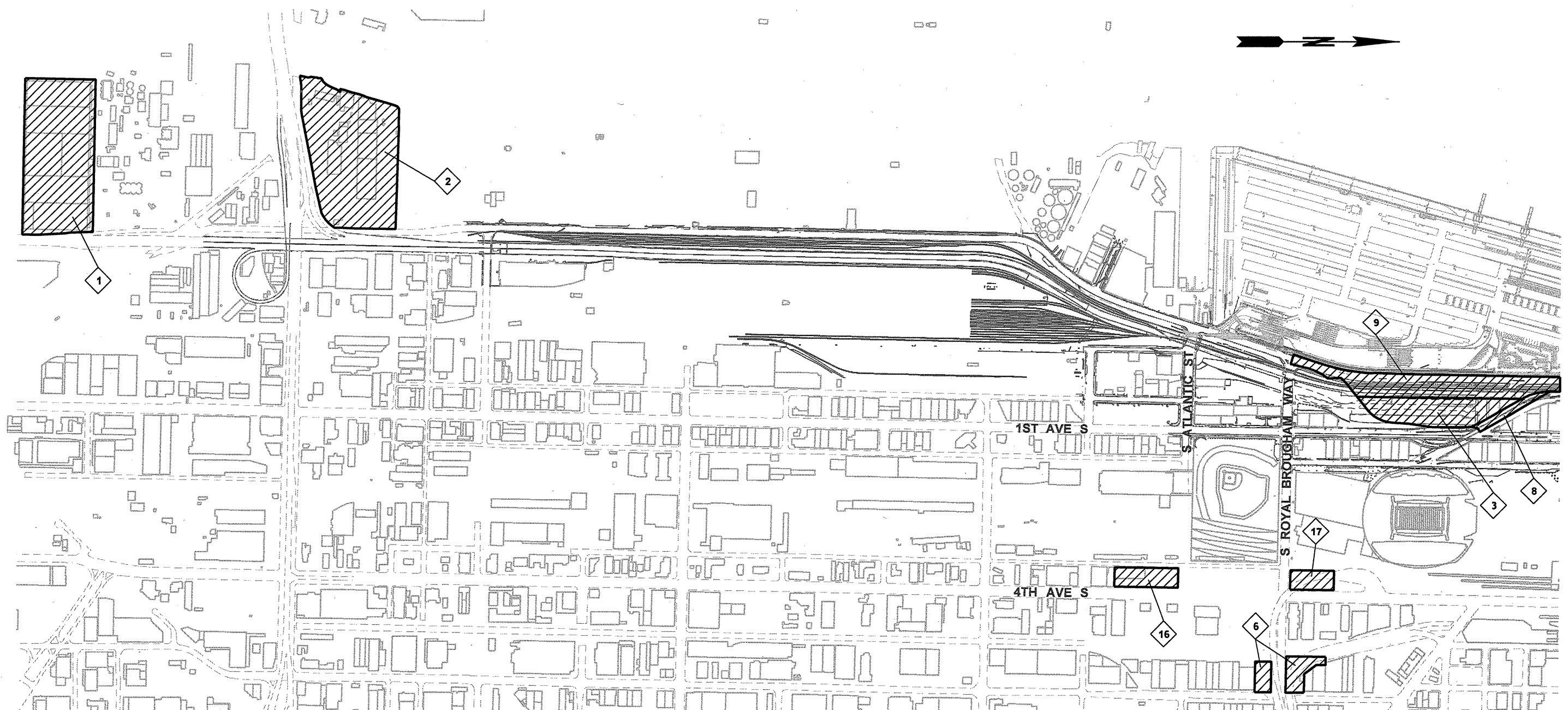
DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL
ROADWAY SECTIONS

RS010
SHEET OF SHEETS

crosies



POTENTIAL STAGING AREAS AND CONSTRUCTION ZONES

1	Terminal 106	7	Alaskan Way: S. King St. to S. Jackson St. Public ROW	13	Republican St. Site	19	ROW Required for Widening	25	Pier with Barge Tie-up and Laydown
2	Terminal 25	8	ROW Under Railroad Ave Ramps	14	Harrison Street Site	20	Barge Tie up	26	Construction Zone Behind Condos and Hotel
3	WOSCA	9	Alaskan Way	15	First Ave. S. Bridge Site	21	Construction Zone Within ROW	27	Parking Lot at Aquarium
4	Pier 48	10	City of Seattle Maintenance Yard	16	Fischer Site	22	Egress Construction Locations	28	800 Mercer
5	Terminal 46	11	6th Ave / Broad St. City of Seattle ROW	17	I-90 Ramp Site	23	Battery Street Tunnel West Portal	29	US Bank Building
6	I-90 HOV Ramp Site	12	Thomas St. / SR-99 Site	18	Broad Street Closed	24	Construction Zone Along North Waterfront	30	Broad St. ROW

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME		c:\aawork\pwork\law\skartv\bidms08242160073T00CLCS001E.DLV	
TIME	11:40:09 AM	REGION NO.	10
DATE	2/5/2010	STATE	WASH
PLOTTED BY	skartvb	JOB NUMBER	
DESIGNED BY	S. KIRBY	CONTRACT NO.	
ENTERED BY	B. SKARTVEDT	FED. AID PROJ. NO.	
CHECKED BY	M. COLYN	LOCATION NO.	
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN	REVISION	DATE BY



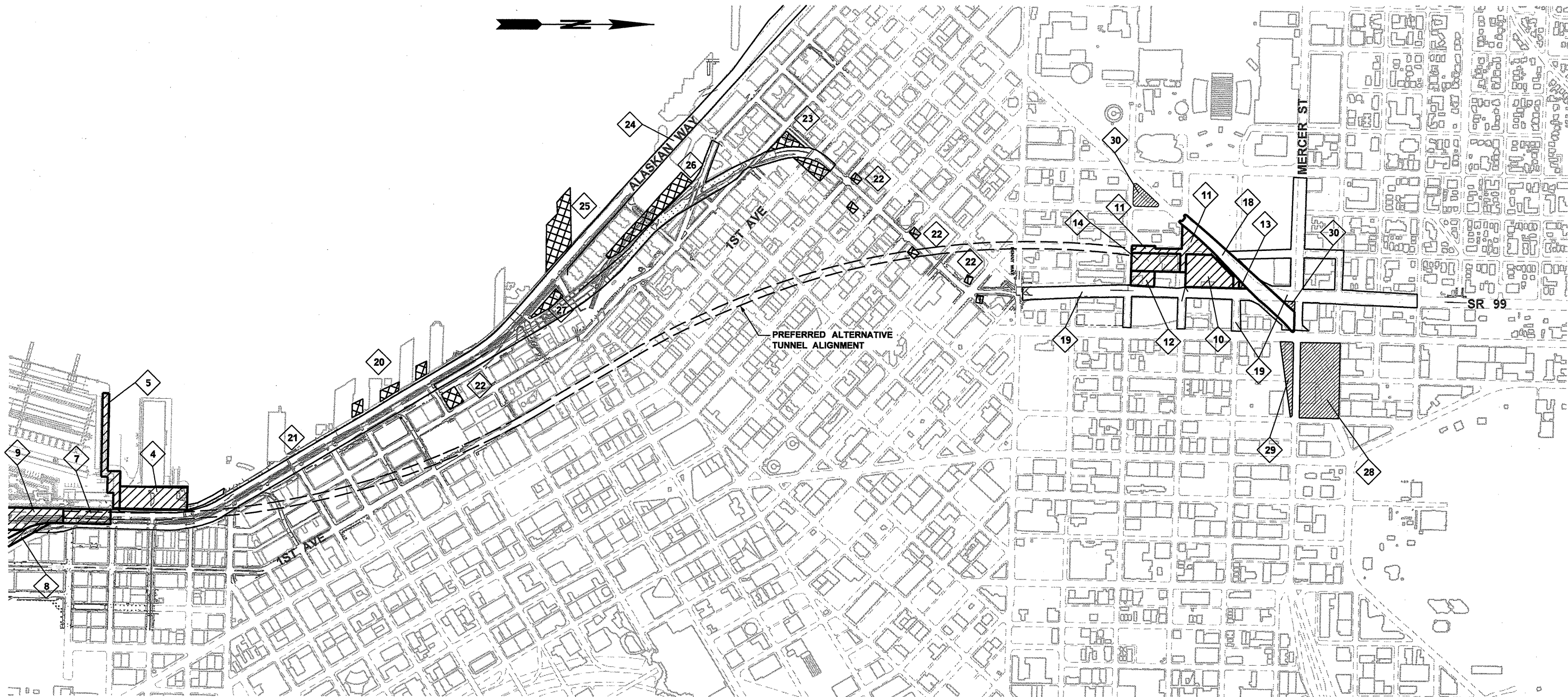
DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION






ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL
CONSTRUCTION STAGING

CS001E
SHEET OF SHEETS

SKARTVB



- LEGEND**
-  VIADUCT DEMO CONTRACTOR STAGING
 -  TUNNEL CONTRACTOR / NORTH PORTAL AND SOUTH PORTAL CONTRACTORS STAGING
 -  MERCER ST WIDENING AND IMPROVEMENTS STAGING

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
 In Aid to a Deliberative Process. Not for Distribution.

FILE NAME	c:\aawork\pwwork\law\skartvb\dms08242160073T00CLCS002E.DLV		
TIME	11:40:47 AM		
DATE	2/5/2010		
PLOTTED BY	skartvb		
DESIGNED BY	S. KIRBY		
ENTERED BY	B. SKARTVEDT		
CHECKED BY	M. COLYN		
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	
JOB NUMBER		
CONTRACT NO.	LOCATION NO.	



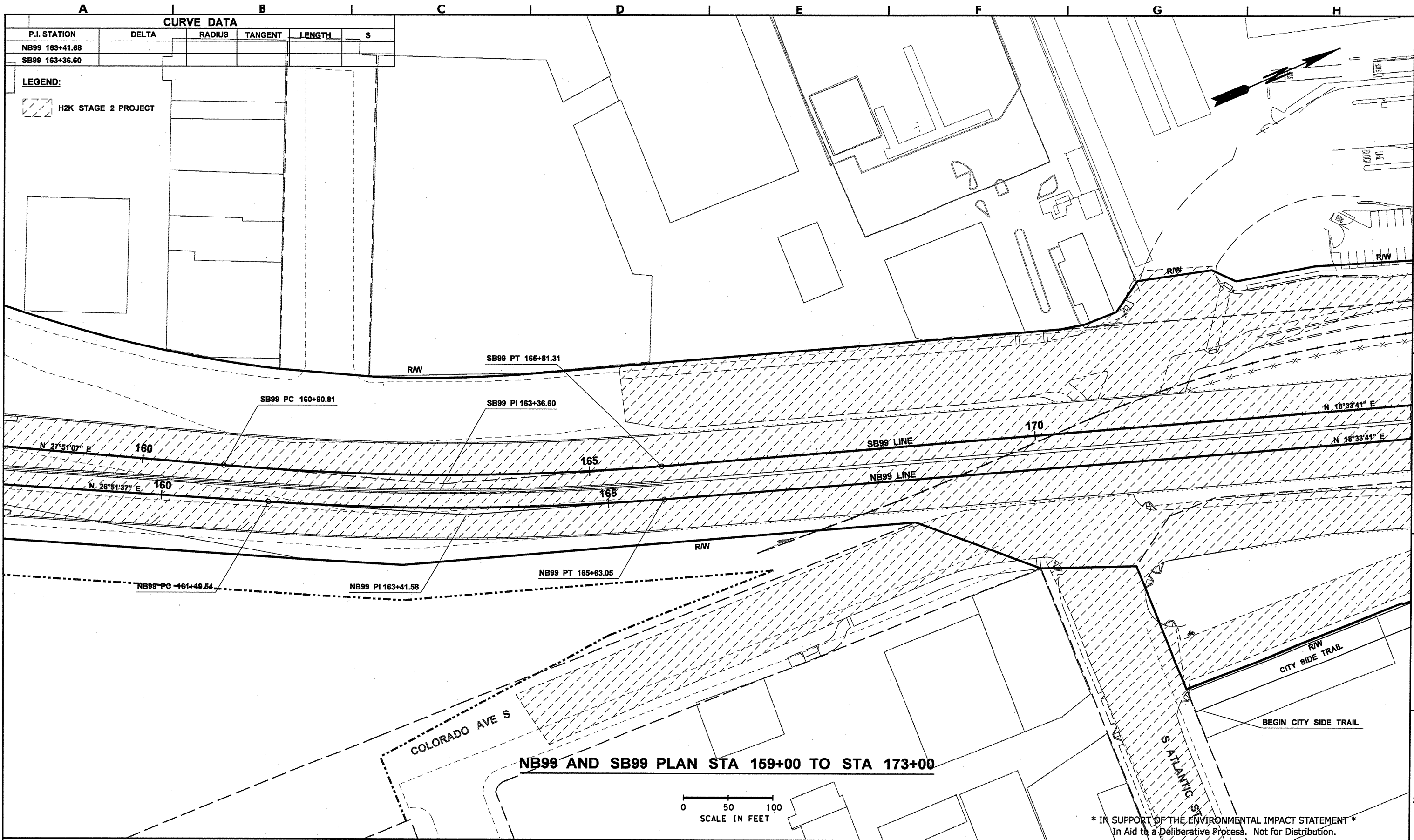
DRAFT
CONCEPTUAL DESIGN
 NOT FOR CONSTRUCTION



**ALASKAN WAY VIADUCT
 REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
CONSTRUCTION STAGING

CS002E
 SHEET
 OF
 SHEETS

SKARTVB



* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
 In Aid to a Deliberative Process. Not for Distribution.

FILE NAME	c:\aawork\pwwork\aw\moattae\dms08223\160073T00CQAL001.DLV				
TIME	12:41:33 PM				
DATE	2/5/2010				
PLOTTED BY	moattae				
DESIGNED BY					
ENTERED BY	H. WILLIAMS				
CHECKED BY					
PROJ. ENGR.	S. EVERETT				
REGIONAL ADM.	R. PAANANEN				
REVISION	DATE	BY	REGION NO.	STATE	FED. AID PROJ. NO.
			10	WASH	
			JOB NUMBER		
			CONTRACT NO.		LOCATION NO.



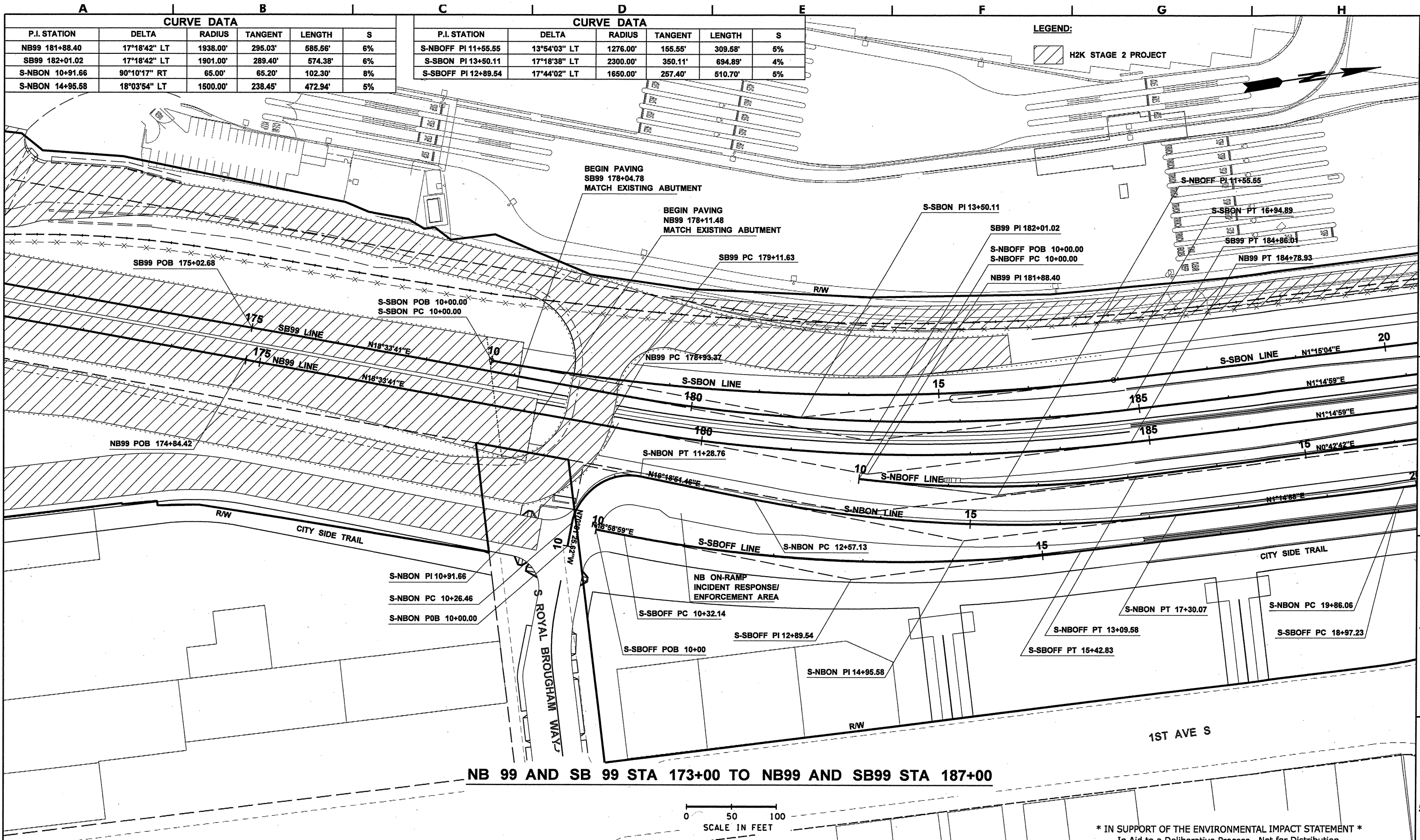
DRAFT
CONCEPTUAL DESIGN
 NOT FOR CONSTRUCTION



ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL
ALIGNMENT PLAN

AL001
 SHEET OF SHEETS

moattae

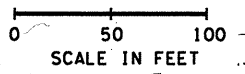


CURVE DATA					
P.I. STATION	DELTA	RADIUS	TANGENT	LENGTH	S
NB99 181+88.40	17°18'42" LT	1938.00'	295.03'	585.56'	6%
SB99 182+01.02	17°18'42" LT	1901.00'	289.40'	574.38'	6%
S-NBON 10+91.66	90°10'17" RT	65.00'	65.20'	102.30'	8%
S-NBON 14+95.58	18°03'54" LT	1500.00'	238.45'	472.94'	5%

CURVE DATA					
P.I. STATION	DELTA	RADIUS	TANGENT	LENGTH	S
S-NBOFF PI 11+55.55	13°54'03" LT	1276.00'	155.55'	309.58'	5%
S-SBON PI 13+50.11	17°18'38" LT	2300.00'	350.11'	694.89'	4%
S-SBOFF PI 12+89.54	17°44'02" LT	1650.00'	257.40'	510.70'	5%

LEGEND:
 H2K STAGE 2 PROJECT

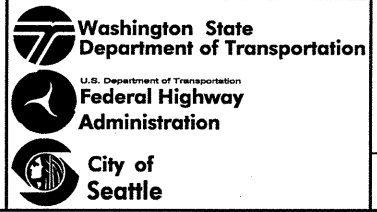
FILE NAME	c:\aawork\pwork\law\moattae\dms08223\160073T00CQAL002B.DLV				
TIME	12:41:49 PM				
DATE	2/5/2010				
PLOTTED BY	moattae				
DESIGNED BY					
ENTERED BY					
CHECKED BY					
PROJ. ENGR.	S. EVERETT				
REGIONAL ADM.	R. PAANANEN				
REVISION	DATE	BY	CONTRACT NO.	LOCATION NO.	



* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
 In Aid to a Deliberative Process. Not for Distribution.



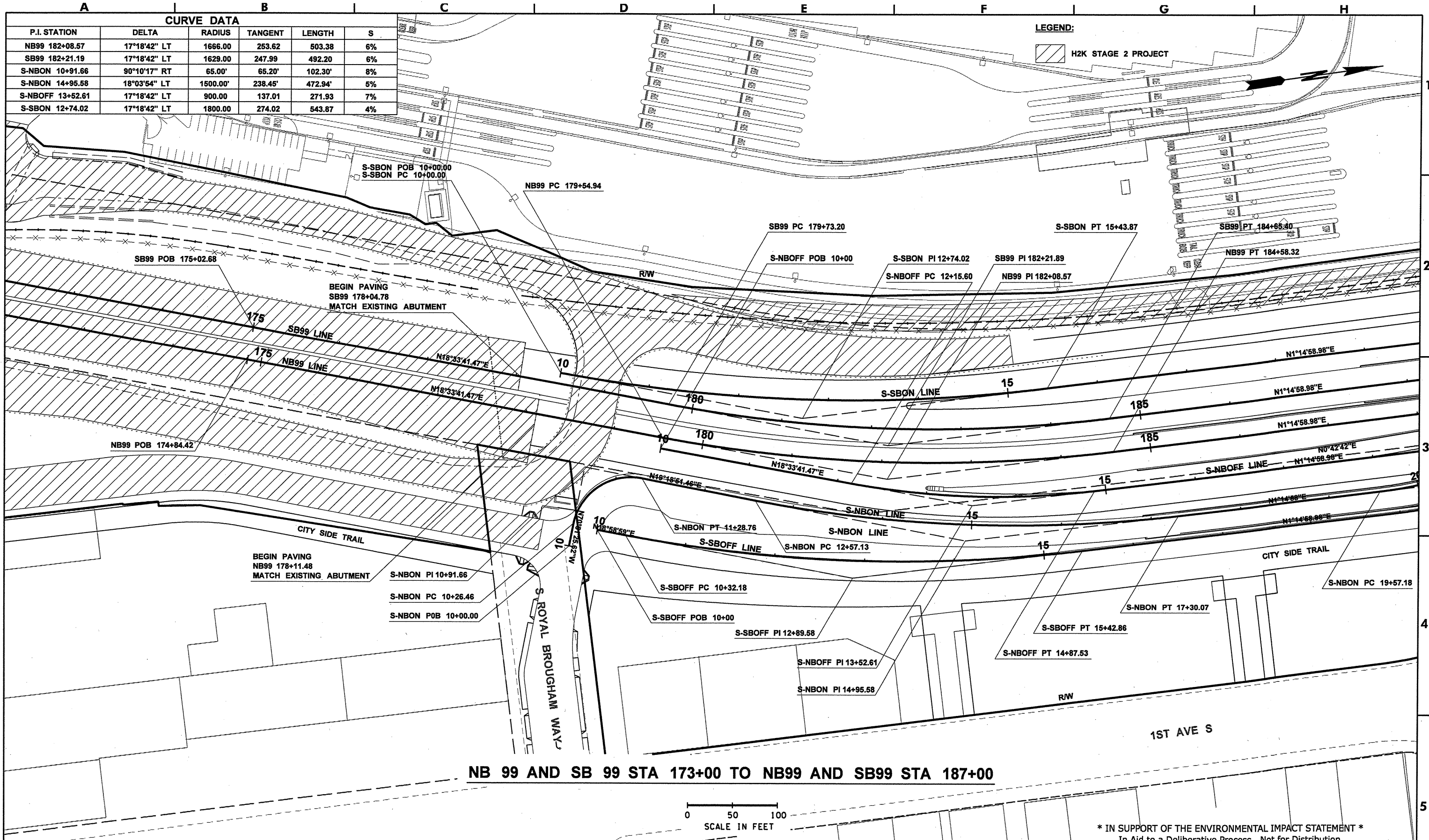
DRAFT
CONCEPTUAL DESIGN
 NOT FOR CONSTRUCTION



ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL
ALIGNMENT PLAN

AL002B
 SHEET OF SHEETS

moattae



CURVE DATA					
P.I. STATION	DELTA	RADIUS	TANGENT	LENGTH	S
NB99 182+08.57	17°18'42" LT	1666.00	253.62	503.38	6%
SB99 182+21.19	17°18'42" LT	1629.00	247.99	492.20	6%
S-NBON 10+91.66	90°10'17" RT	65.00'	65.20'	102.30'	8%
S-NBON 14+95.58	18°03'54" LT	1500.00'	238.45'	472.94'	5%
S-NBOFF 13+52.61	17°18'42" LT	900.00	137.01	271.93	7%
S-SBON 12+74.02	17°18'42" LT	1800.00	274.02	543.87	4%

LEGEND:
 H2K STAGE 2 PROJECT

FILE NAME	c:\aawork\pwwork\law\moattae\dms08223160073T00CQAL002D.DLV		
TIME	12:42:09 PM		
DATE	2/5/2010		
PLOTTED BY	moattae		
DESIGNED BY			
ENTERED BY			
CHECKED BY			
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	
JOB NUMBER		
CONTRACT NO.	LOCATION NO.	



DRAFT
CONCEPTUAL DESIGN
 NOT FOR CONSTRUCTION

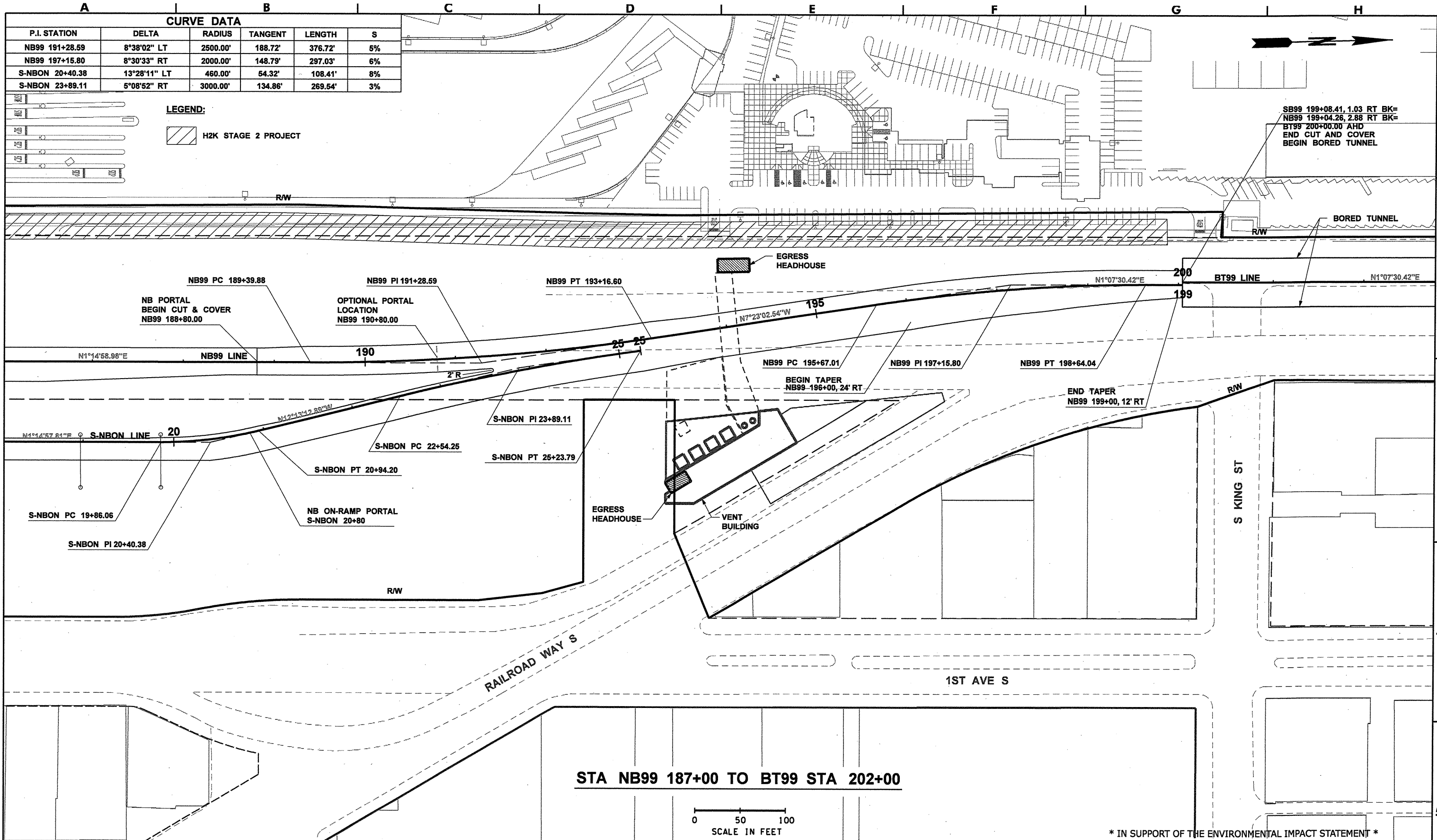


* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
 In Aid to a Deliberative Process. Not for Distribution.

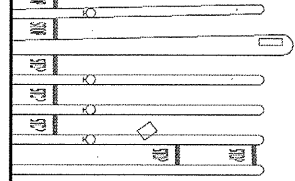
**ALASKAN WAY VIADUCT
 REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
ALIGNMENT PLAN

AL002D
 SHEET OF SHEETS

moattae

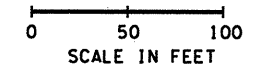


CURVE DATA					
P.I. STATION	DELTA	RADIUS	TANGENT	LENGTH	S
NB99 191+28.59	8°38'02" LT	2500.00'	188.72'	376.72'	5%
NB99 197+15.80	8°30'33" RT	2000.00'	148.79'	297.03'	6%
S-NBON 20+40.38	13°28'11" LT	460.00'	54.32'	108.41'	8%
S-NBON 23+89.11	5°08'52" RT	3000.00'	134.86'	269.54'	3%



LEGEND:
 H2K STAGE 2 PROJECT

SB99 199+08.41, 1.03 RT BK=
 NB99 199+04.26, 2.88 RT BK=
 BT99 200+00.00 AHD
 END CUT AND COVER
 BEGIN BORED TUNNEL



STA NB99 187+00 TO BT99 STA 202+00

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
 In Aid to a Deliberative Process. Not for Distribution.

MOATTAE

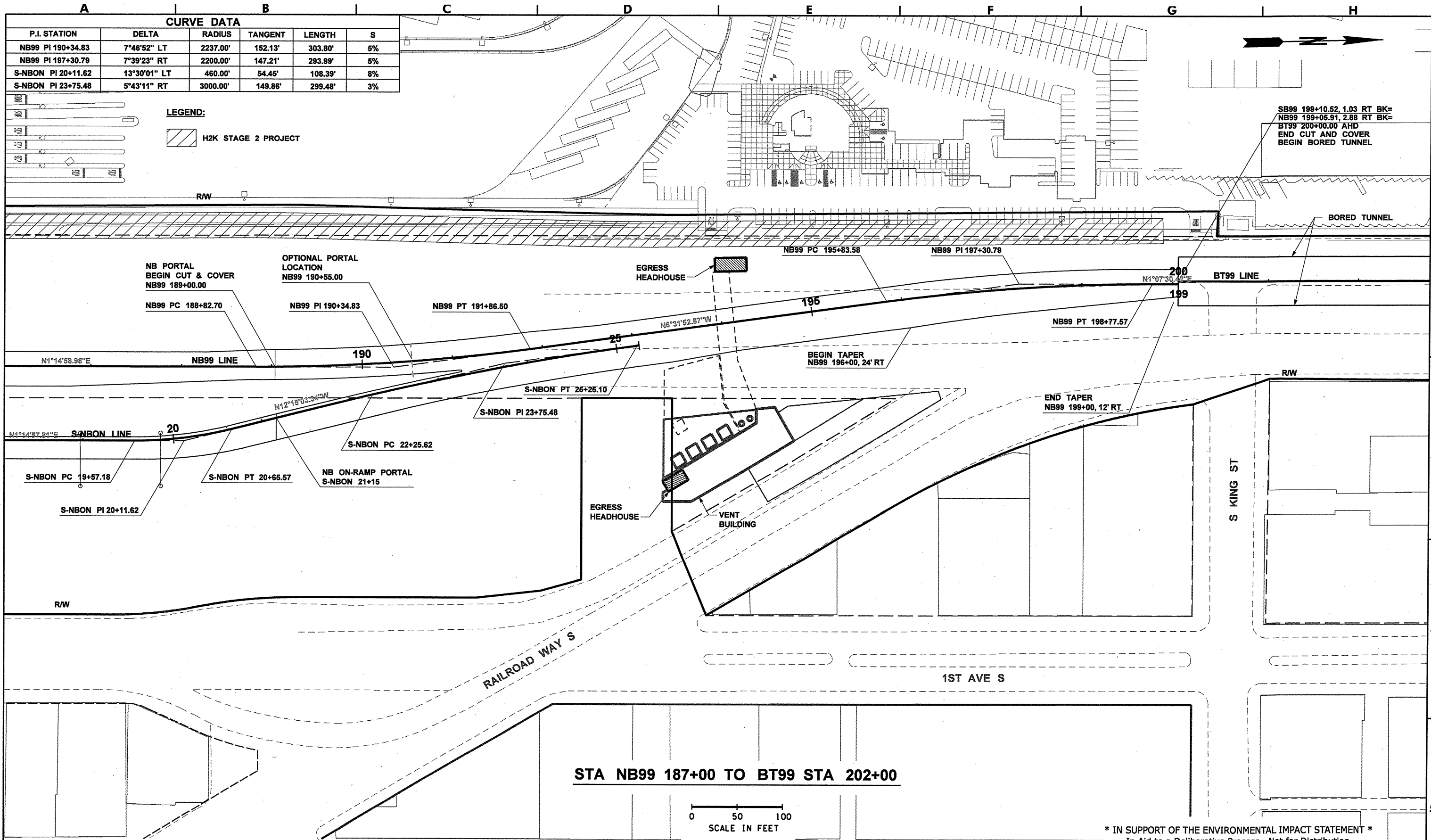
FILE NAME	c:\aawork\pwwork\law\moattae\dms08223160073T00CQAL003B.DLV		
TIME	12:42:24 PM		
DATE	2/5/2010		
PLOTTED BY	moattae		
DESIGNED BY			
ENTERED BY			
CHECKED BY			
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	
REGION NO.	STATE	FED. AID PROJ. NO.	
10	WASH		
JOB NUMBER			
CONTRACT NO.	LOCATION NO.		



DRAFT
CONCEPTUAL DESIGN
 NOT FOR CONSTRUCTION



ALASKAN WAY VIADUCT REPLACEMENT PROJECT		AL003B
SR 99 BORED TUNNEL		
OPTION B ALIGNMENT PLAN		SHEET OF SHEETS



CURVE DATA					
P.I. STATION	DELTA	RADIUS	TANGENT	LENGTH	S
NB99 PI 190+34.83	7°46'52" LT	2237.00'	152.13'	303.80'	5%
NB99 PI 197+30.79	7°39'23" RT	2200.00'	147.21'	293.99'	5%
S-NBON PI 20+11.62	13°30'01" LT	460.00'	54.45'	108.39'	8%
S-NBON PI 23+75.48	5°43'11" RT	3000.00'	149.86'	299.48'	3%

LEGEND:
 H2K STAGE 2 PROJECT

SB99 199+10.52, 1.03 RT BK=
 NB99 199+05.91, 2.88 RT BK=
 BT99 200+00.00 AHD
 END CUT AND COVER
 BEGIN BORED TUNNEL

STA NB99 187+00 TO BT99 STA 202+00

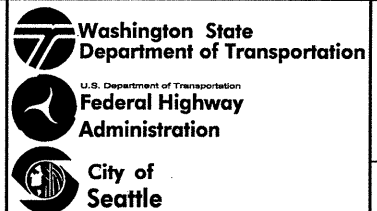
0 50 100
 SCALE IN FEET

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
 In Aid to a Deliberative Process. Not for Distribution.

FILE NAME	c:\aawork\pwwork\law\moattae\dms08223160073T00CQAL003D.DLV				
TIME	12:42:40 PM				
DATE	2/5/2010				
PLOTTED BY	moattae				
DESIGNED BY					
ENTERED BY					
CHECKED BY					
PROJ. ENGR.	S. EVERETT				
REGIONAL ADM.	R. PAANANEN				
REVISION	DATE	BY	REGION NO.	STATE	FED. AID PROJ. NO.
			10	WASH	
			JOB NUMBER		
			CONTRACT NO.		LOCATION NO.



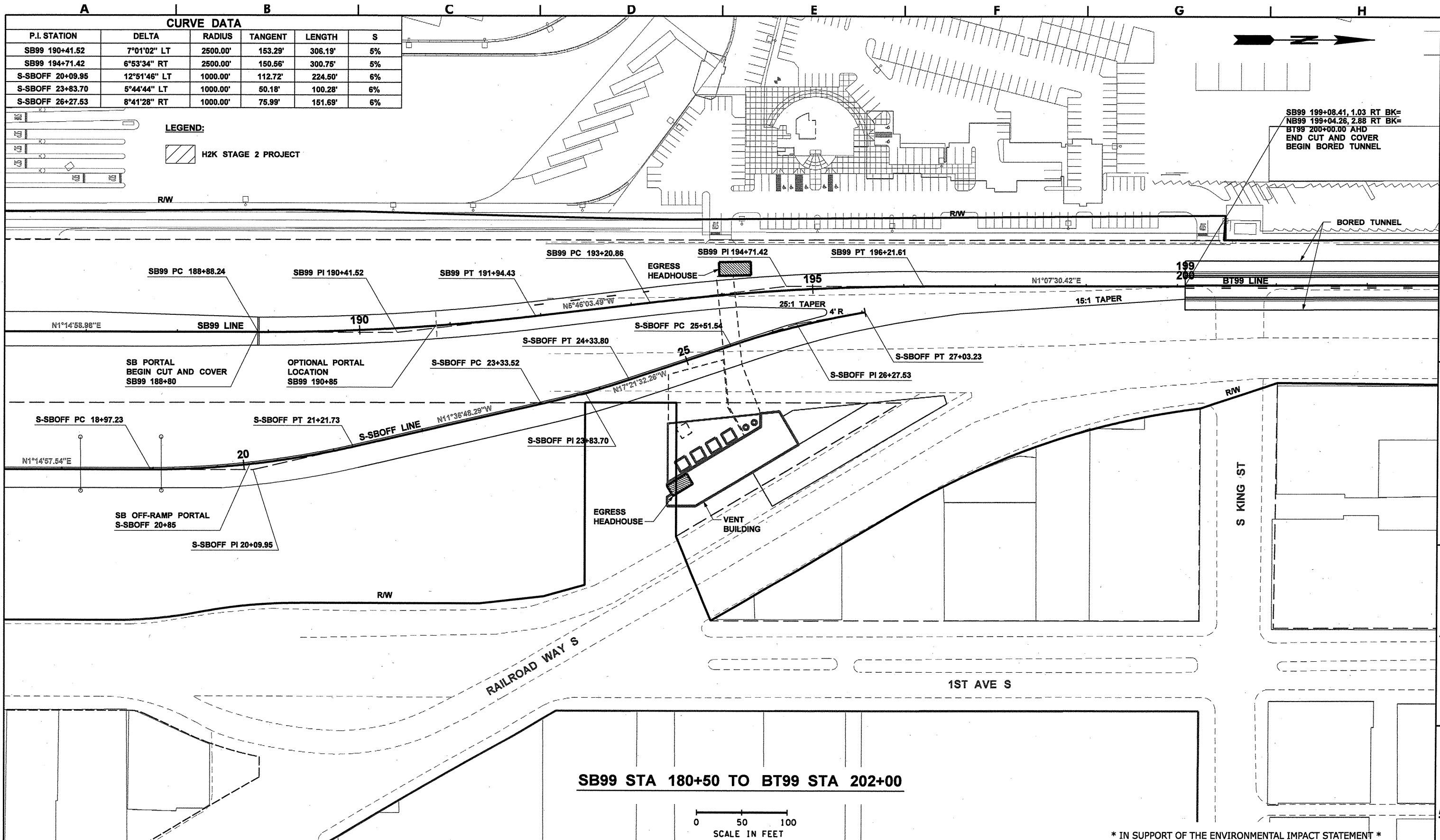
DRAFT
CONCEPTUAL DESIGN
 NOT FOR CONSTRUCTION



**ALASKAN WAY VIADUCT
 REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
OPTION B ALIGNMENT PLAN

AL003D
 SHEET OF SHEETS

moattae

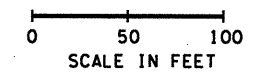


CURVE DATA					
P.I. STATION	DELTA	RADIUS	TANGENT	LENGTH	S
SB99 190+41.52	7°01'02" LT	2500.00'	153.29'	306.19'	5%
SB99 194+71.42	6°53'34" RT	2500.00'	150.56'	300.75'	5%
S-SBOFF 20+09.95	12°51'46" LT	1000.00'	112.72'	224.50'	6%
S-SBOFF 23+83.70	5°44'44" LT	1000.00'	50.18'	100.28'	6%
S-SBOFF 26+27.53	8°41'28" RT	1000.00'	75.99'	151.69'	6%

LEGEND:
 H2K STAGE 2 PROJECT

SB99 199+08.41, 1.03 RT BK=
 NB99 199+04.28, 2.88 RT BK=
 BT99 200+00.00 AHD
 END CUT AND COVER
 BEGIN BORED TUNNEL

SB99 STA 180+50 TO BT99 STA 202+00



* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
 In Aid to a Deliberative Process. Not for Distribution.

FILE NAME	c:\aawork\pwwork\law\moattae\dms082231\60073T00CQAL004B.DLV				
TIME	12:42:55 PM				
DATE	2/5/2010				
PLOTTED BY	moattae				
DESIGNED BY					
ENTERED BY	H. WILLIAMS				
CHECKED BY					
PROJ. ENGR.	S. EVERETT				
REGIONAL ADM.	R. PAANANEN				
REVISION	DATE	BY	REGION NO.	STATE	FED. AID PROJ. NO.
			10	WASH	
			JOB NUMBER		
			CONTRACT NO.		LOCATION NO.



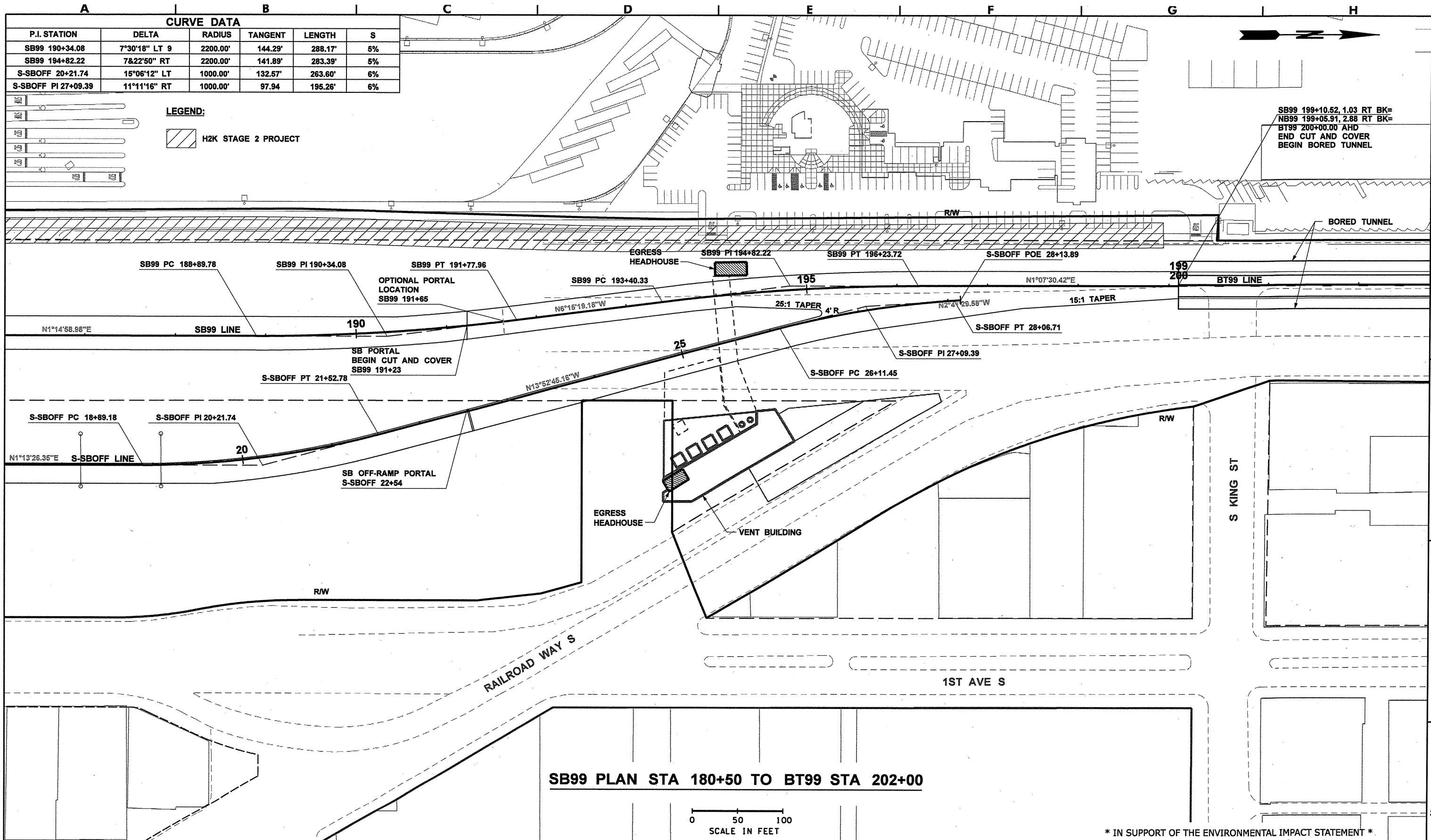
DRAFT
CONCEPTUAL DESIGN
 NOT FOR CONSTRUCTION



ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL
OPTION B ALIGNMENT PLAN

AL004B
 SHEET OF SHEETS

moattae

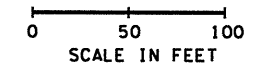


CURVE DATA					
P.I. STATION	DELTA	RADIUS	TANGENT	LENGTH	S
SB99 190+34.08	7°30'18" LT 9	2200.00'	144.29'	288.17'	5%
SB99 194+82.22	7°22'50" RT	2200.00'	141.89'	283.39'	5%
S-SBOFF 20+21.74	15°06'12" LT	1000.00'	132.57'	263.60'	6%
S-SBOFF PI 27+09.39	11°11'16" RT	1000.00'	97.94'	195.26'	6%

LEGEND:
 H2K STAGE 2 PROJECT

SB99 199+10.52, 1.03 RT BK=
 NB99 199+05.91, 2.88 RT BK=
 BT99 200+00.00 AHD
 END CUT AND COVER
 BEGIN BORED TUNNEL

SB99 PLAN STA 180+50 TO BT99 STA 202+00



* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
 In Aid to a Deliberative Process. Not for Distribution.

FILE NAME	c:\aawork\pwwork\law\moattae\dms082231\60073T00CQAL004D.DLV				
TIME	12:43:11 PM				
DATE	2/5/2010				
PLOTTED BY	moattae				
DESIGNED BY					
ENTERED BY	H. WILLIAMS				
CHECKED BY					
PROJ. ENGR.	S. EVERETT				
REGIONAL ADM.	R. PAANANEN				
REVISION	DATE	BY	REGION NO.	STATE	FED. AID PROJ. NO.
			10	WASH	
			JOB NUMBER		
			CONTRACT NO.		LOCATION NO.



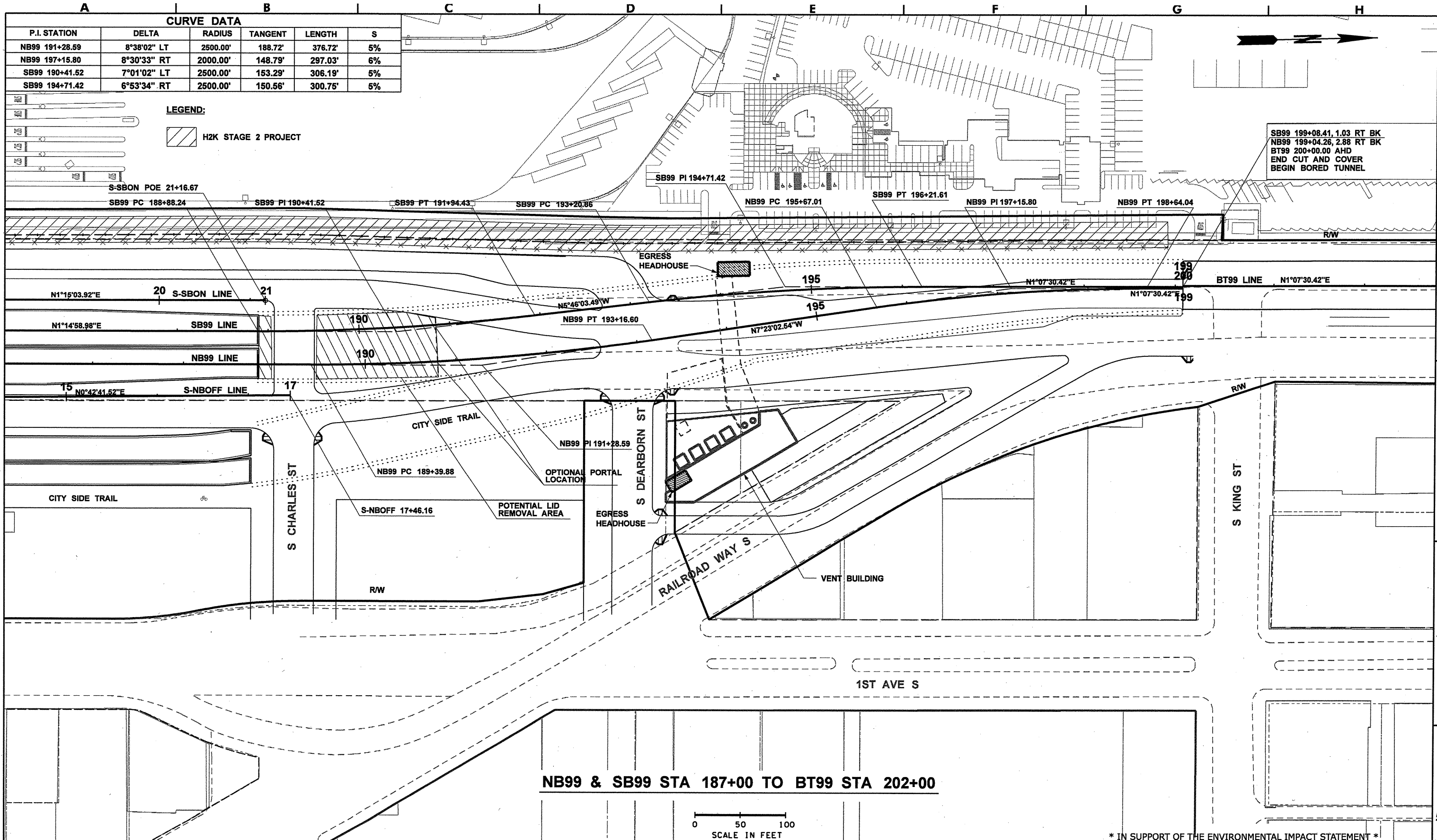
DRAFT
CONCEPTUAL DESIGN
 NOT FOR CONSTRUCTION



ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL
OPTION D ALIGNMENT PLAN

AL004D
 SHEET OF SHEETS

moattae

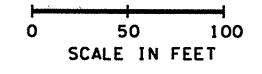


CURVE DATA					
P.I. STATION	DELTA	RADIUS	TANGENT	LENGTH	S
NB99 191+28.59	8°38'02" LT	2500.00'	188.72'	376.72'	5%
NB99 197+15.80	8°30'33" RT	2000.00'	148.79'	297.03'	6%
SB99 190+41.52	7°01'02" LT	2500.00'	153.29'	306.19'	5%
SB99 194+71.42	6°53'34" RT	2500.00'	150.56'	300.75'	5%

LEGEND:
 H2K STAGE 2 PROJECT

SB99 199+08.41, 1.03 RT BK
 NB99 199+04.26, 2.88 RT BK
 BT99 200+00.00 AHD
 END CUT AND COVER
 BEGIN BORED TUNNEL

NB99 & SB99 STA 187+00 TO BT99 STA 202+00



* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
 In Aid to a Deliberative Process. Not for Distribution.

FILE NAME	c:\aawork\pwwork\law\moattae\dms08223\160073T00CQAL005B.DLV				
TIME	12:43:26 PM				
DATE	2/5/2010				
PLOTTED BY	moattae				
DESIGNED BY					
ENTERED BY	H. WILLIAMS				
CHECKED BY					
PROJ. ENGR.	S. EVERETT				
REGIONAL ADM.	R. PAANANEN				
REVISION	DATE	BY	CONTRACT NO.	LOCATION NO.	FED. AID PROJ. NO.



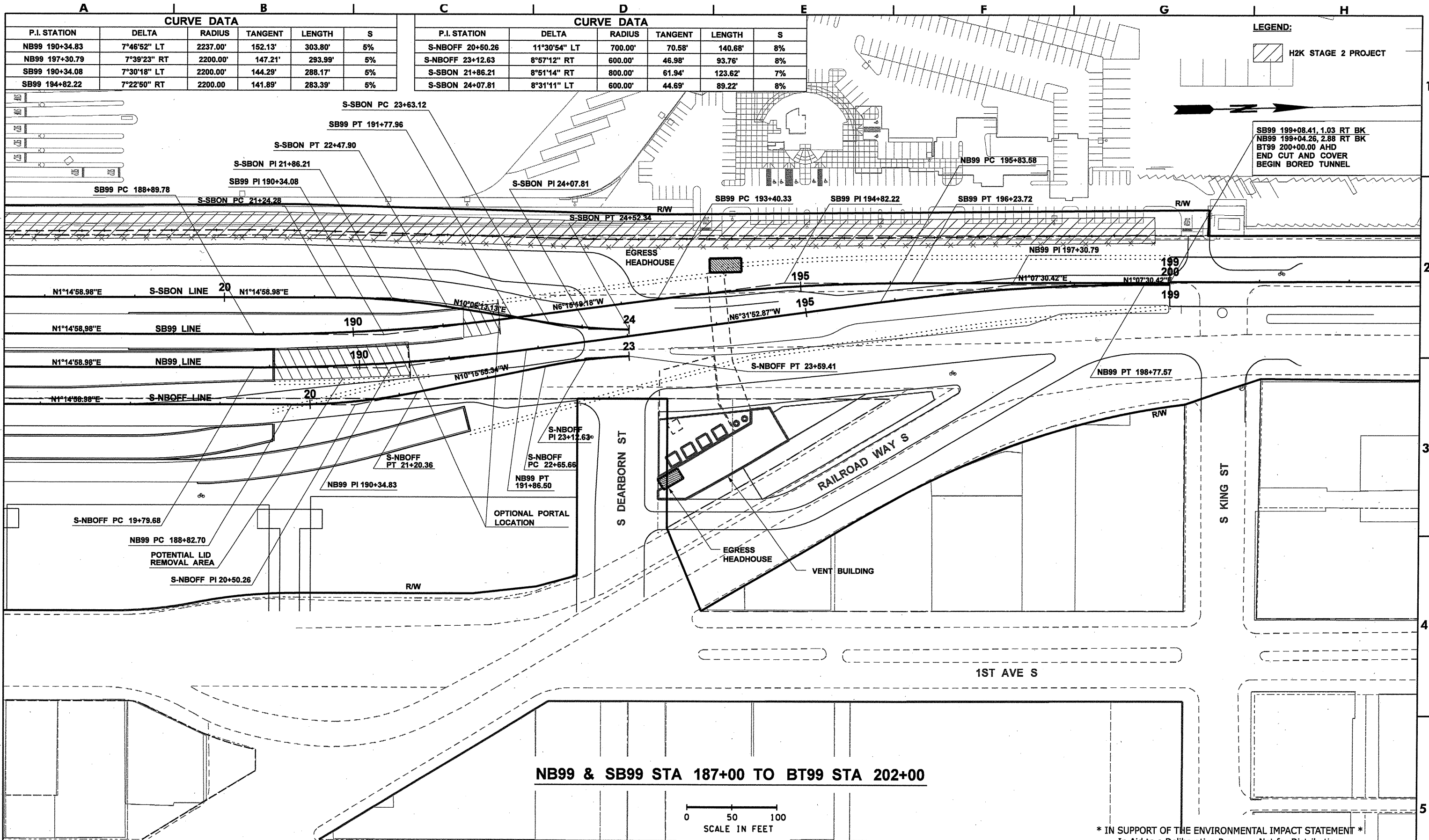
DRAFT
CONCEPTUAL DESIGN
 NOT FOR CONSTRUCTION



ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL
OPTION B ALIGNMENT PLAN

AL005B
 SHEET OF SHEETS

moattae



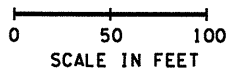
CURVE DATA					
P.I. STATION	DELTA	RADIUS	TANGENT	LENGTH	S
NB99 190+34.83	7°46'52" LT	2237.00'	152.13'	303.80'	5%
NB99 197+30.79	7°39'23" RT	2200.00'	147.21'	293.99'	5%
SB99 190+34.08	7°30'18" LT	2200.00'	144.29'	288.17'	5%
SB99 194+82.22	7°22'50" RT	2200.00'	141.89'	283.39'	5%

CURVE DATA					
P.I. STATION	DELTA	RADIUS	TANGENT	LENGTH	S
S-NBOFF 20+50.26	11°30'54" LT	700.00'	70.58'	140.68'	8%
S-NBOFF 23+12.63	8°57'12" RT	600.00'	46.98'	93.76'	8%
S-SBON 21+86.21	8°51'14" RT	800.00'	61.94'	123.62'	7%
S-SBON 24+07.81	8°31'11" LT	600.00'	44.69'	89.22'	8%

LEGEND:
 H2K STAGE 2 PROJECT

SB99 199+08.41, 1.03 RT BK
 NB99 199+04.26, 2.88 RT BK
 BT99 200+00.00 AHD
 END CUT AND COVER
 BEGIN BORED TUNNEL

NB99 & SB99 STA 187+00 TO BT99 STA 202+00

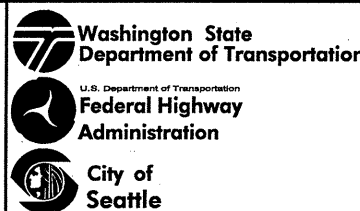


* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
 In Aid to a Deliberative Process. Not for Distribution.

FILE NAME	c:\aawork\pwwork\aw\moattae\dms082231\60073T00CQAL005D.DLV		
TIME	12:43:46 PM		
DATE	2/5/2010		
PLOTTED BY	moattae		
DESIGNED BY			
ENTERED BY	H. WILLIAMS		
CHECKED BY			
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	



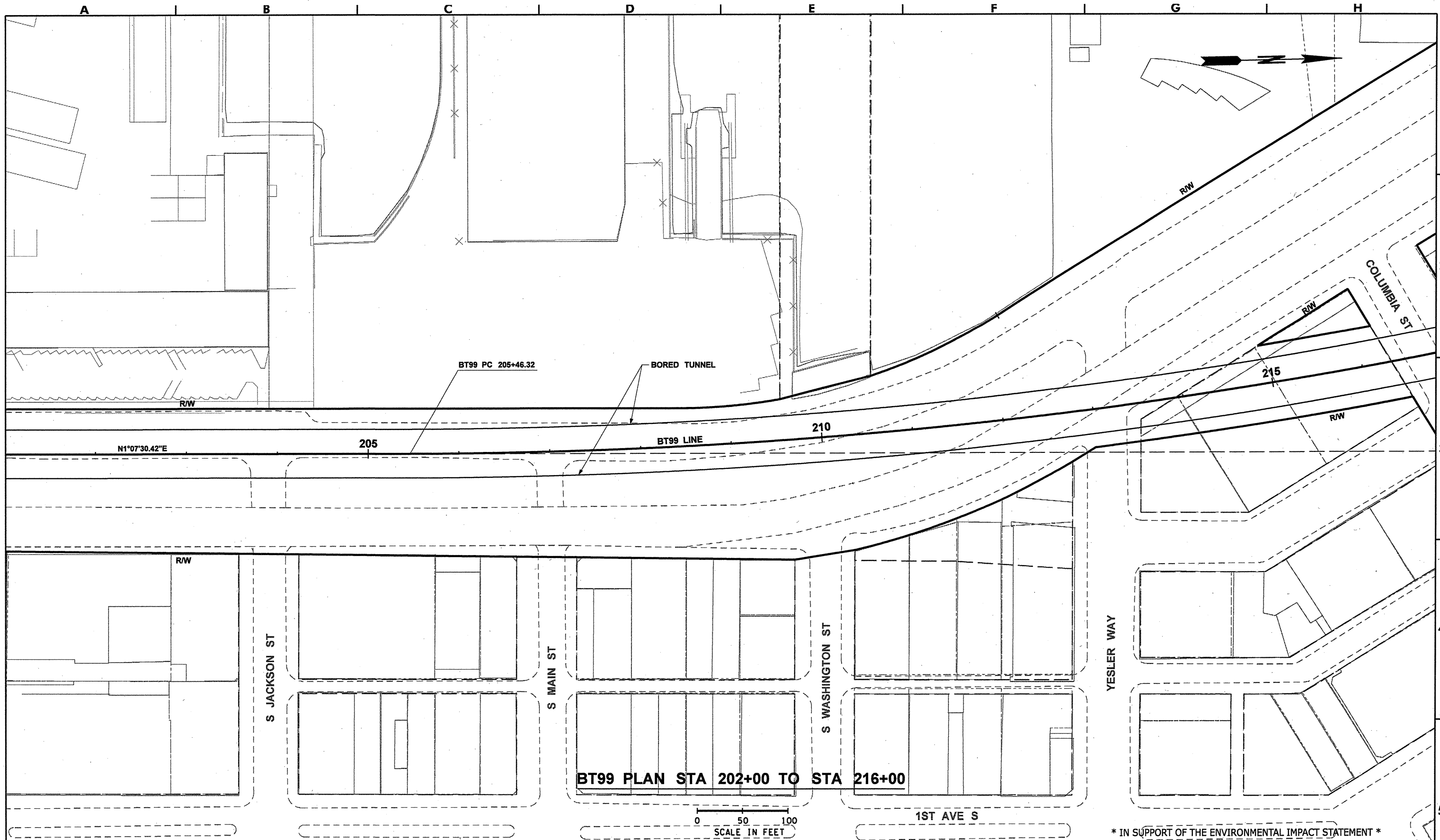
DRAFT
CONCEPTUAL DESIGN
 NOT FOR CONSTRUCTION



**ALASKAN WAY VIADUCT
 REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
OPTION D ALIGNMENT PLAN

AL005D
 SHEET
 OF
 SHEETS

moattae



BT99 PLAN STA 202+00 TO STA 216+00

0 50 100
SCALE IN FEET

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

moattae

FILE NAME	c:\aawork\pwwork\law\moattae\dms08223160073T00CQAL006.DLV		
TIME	10:59:03 AM		
DATE	2/5/2010		
PLOTTED BY	moattae		
DESIGNED BY			
ENTERED BY	H. WILLIAMS		
CHECKED BY			
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	
JOB NUMBER		
CONTRACT NO.		LOCATION NO.

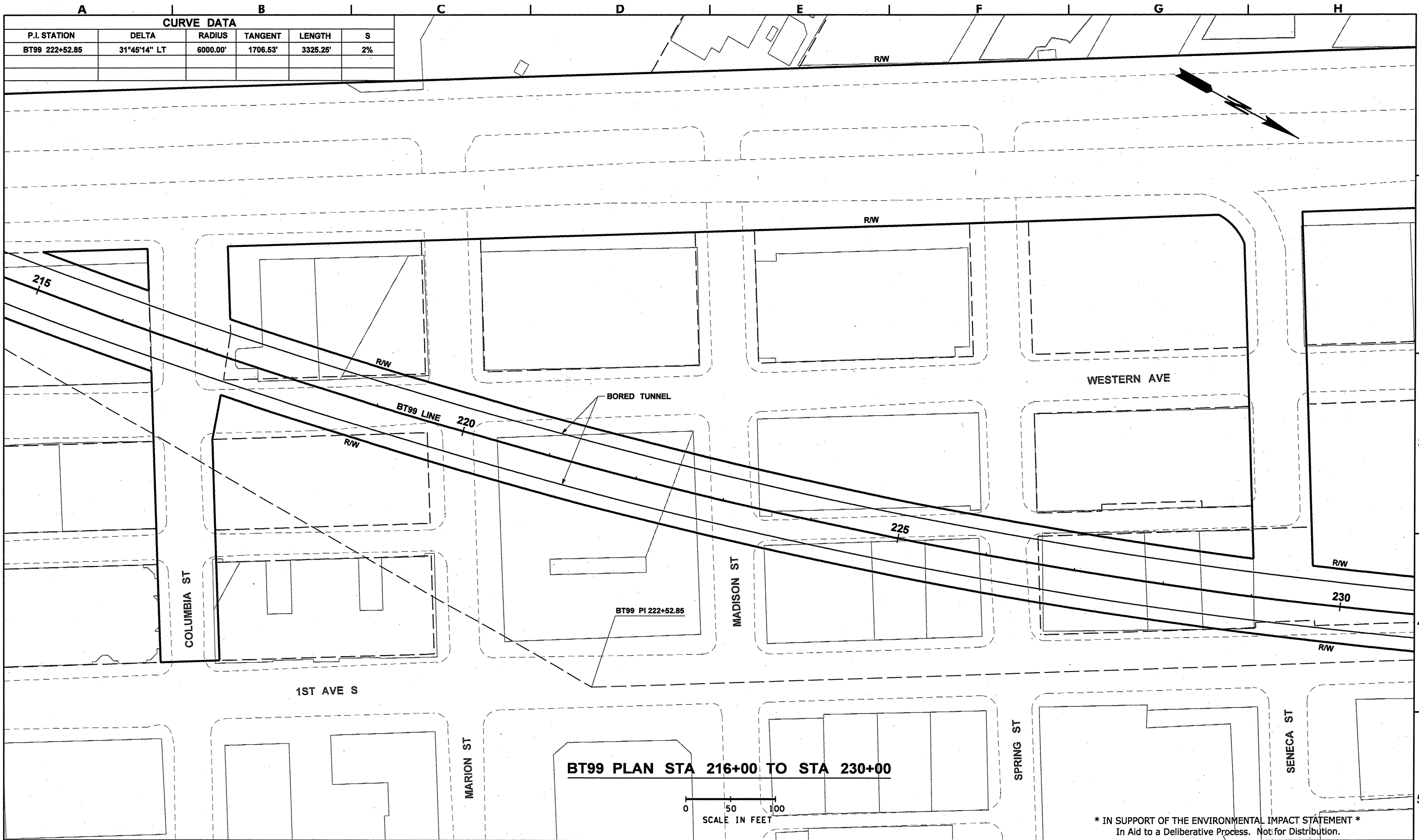


DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
ALIGNMENT PLAN

AL006
SHEET
OF
SHEETS



CURVE DATA					
P.I. STATION	DELTA	RADIUS	TANGENT	LENGTH	S
BT99 222+52.85	31°45'14" LT	6000.00'	1708.53'	3325.25'	2%

BT99 PLAN STA 216+00 TO STA 230+00

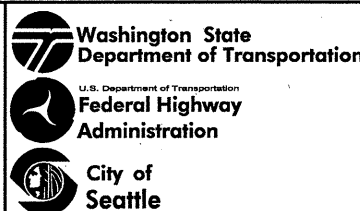
0 50 100
SCALE IN FEET

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME	c:\aawork\pwwork\law\moattae\dms08223160073T00CQAL007.DLV				
TIME	10:59:17 AM				
DATE	2/5/2010				
PLOTTED BY	moattae				
DESIGNED BY					
ENTERED BY	H. WILLIAMS				
CHECKED BY					
PROJ. ENGR.	S. EVERETT				
REGIONAL ADM.	R. PAANANEN				
REVISION	DATE	BY	REGION NO.	STATE	FED. AID PROJ. NO.
			10	WASH	
			JOB NUMBER		
			CONTRACT NO.		LOCATION NO.



DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



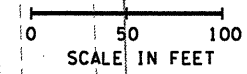
**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
ALIGNMENT PLAN

AL007
SHEET
OF
SHEETS

moattae



BT99 PLAN STA 230+00 TO STA 244+00



* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

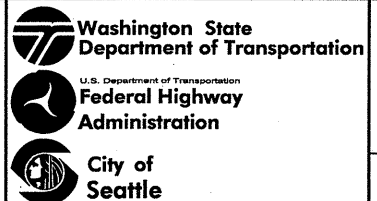
moattae

FILE NAME	c:\aawork\pwwork\awv\moattae\dms08223160073T00CQAL008.DLV		
TIME	10:59:30 AM		
DATE	2/5/2010		
PLOTTED BY	moattae		
DESIGNED BY			
ENTERED BY	H. WILLIAMS		
CHECKED BY			
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	
JOB NUMBER		
CONTRACT NO.	LOCATION NO.	

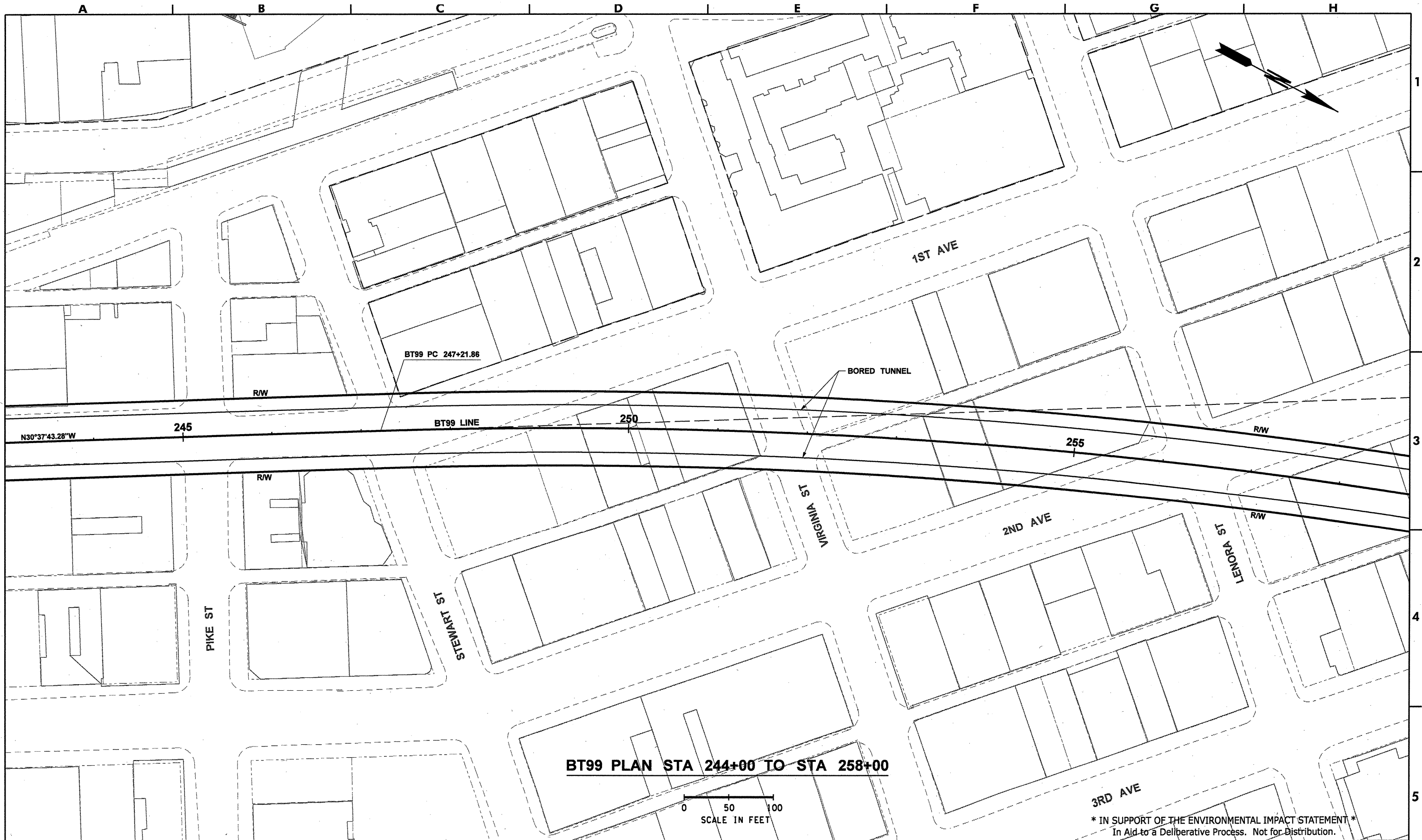


DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
ALIGNMENT PLAN

AL008
SHEET
OF
SHEETS



FILE NAME	c:\aawork\pwwork\law\moattae\dms08223160073T00CQAL009.DLV		
TIME	10:59:43 AM		
DATE	2/5/2010		
PLOTTED BY	moattae		
DESIGNED BY			
ENTERED BY	H. WILLIAMS		
CHECKED BY			
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	
REGION NO.	STATE	FED. AID PROJ. NO.	
10	WASH		
JOB NUMBER		LOCATION NO.	
CONTRACT NO.			



DRAFT
CONCEPTUAL DESIGN
 NOT FOR CONSTRUCTION

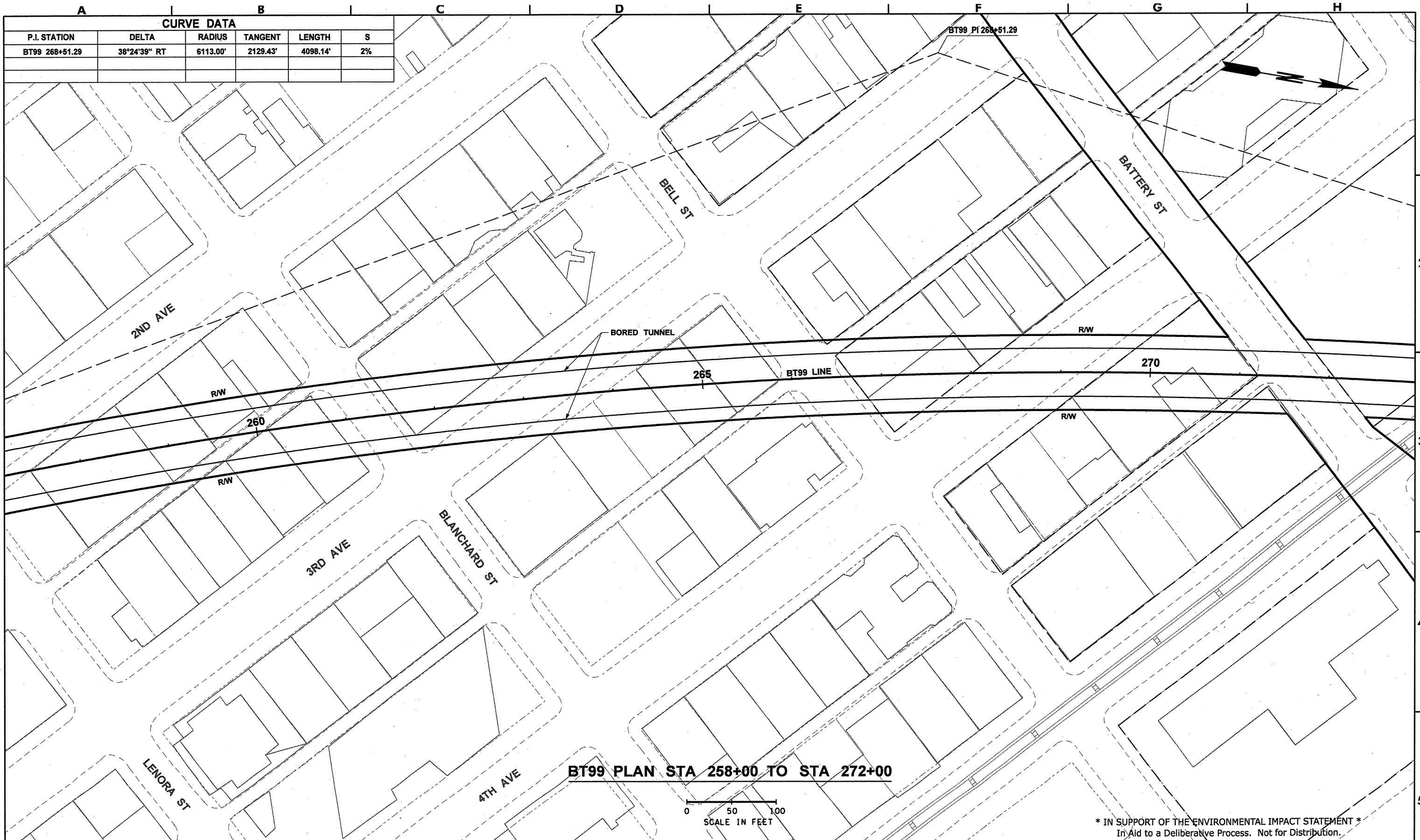


* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
 In Aid to a Deliberative Process. Not for Distribution.

**ALASKAN WAY VIADUCT
 REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
ALIGNMENT PLAN

AL009
 SHEET
 OF
 SHEETS

moattae



CURVE DATA					
P.I. STATION	DELTA	RADIUS	TANGENT	LENGTH	S
BT99 268+51.29	38°24'39" RT	6113.00'	2129.43'	4098.14'	2%

BT99 PLAN STA 258+00 TO STA 272+00

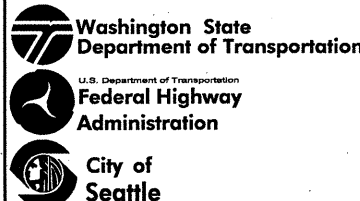
0 50 100
SCALE IN FEET

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME	c:\aawork\pwwork\law\moattae\dms08223160073T00CQAL010.DLV				
TIME	10:59:56 AM				
DATE	2/5/2010				
PLOTTED BY	moattae				
DESIGNED BY					
ENTERED BY	H. WILLIAMS				
CHECKED BY					
PROJ. ENGR.	S. EVERETT				
REGIONAL ADM.	R. PAANANEN				
REVISION	DATE	BY	REGION NO.	STATE	FED. AID PROJ. NO.
			10	WASH	
			JOB NUMBER		LOCATION NO.
			CONTRACT NO.		



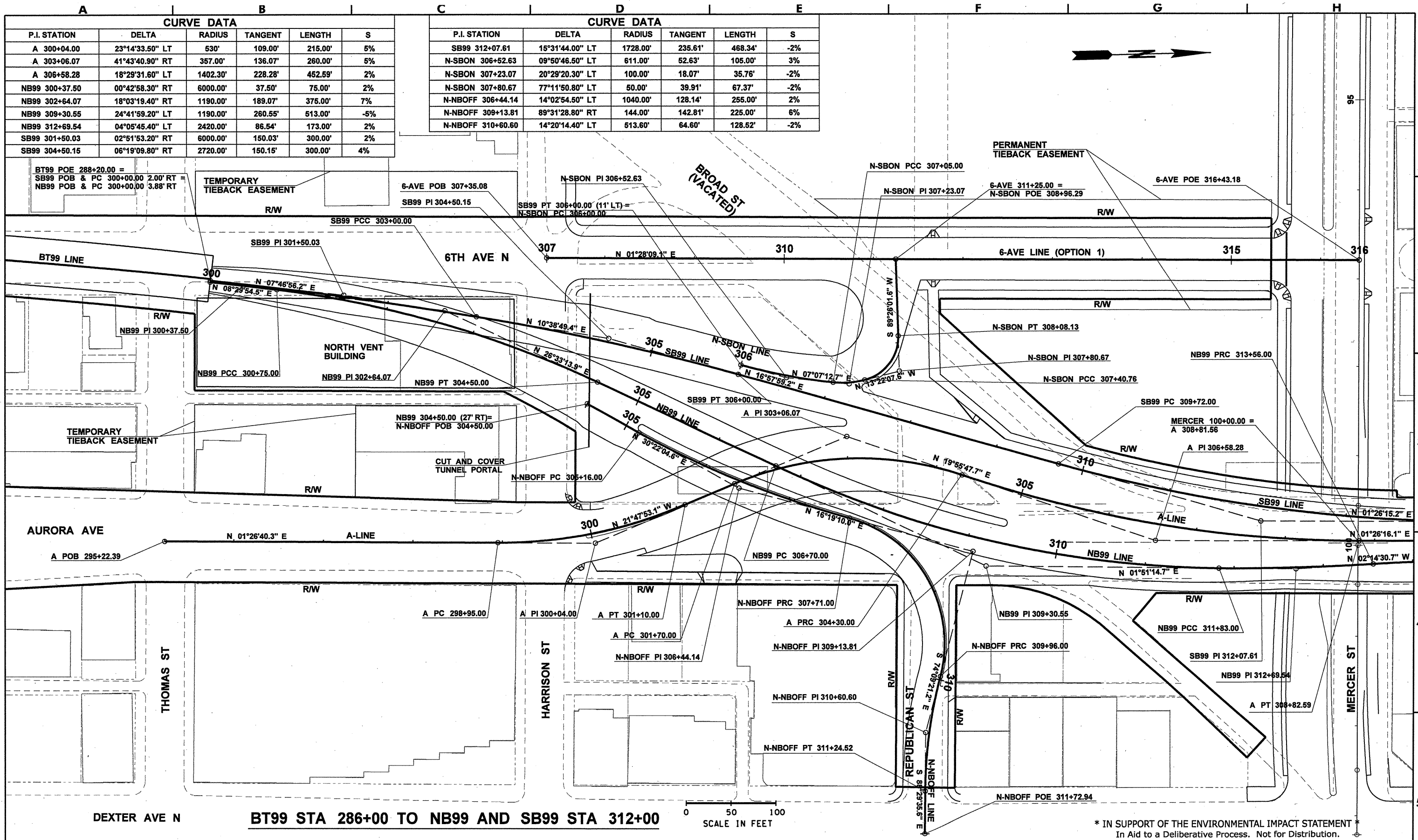
DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
ALIGNMENT PLAN

AL010
SHEET
OF
SHEETS

moattae



CURVE DATA					
P.I. STATION	DELTA	RADIUS	TANGENT	LENGTH	S
A 300+04.00	23°14'33.50" LT	530'	109.00'	215.00'	5%
A 303+06.07	41°43'40.90" RT	357.00'	136.07'	260.00'	5%
A 306+58.28	18°29'31.60" LT	1402.30'	228.28'	452.59'	2%
NB99 300+37.50	00°42'58.30" RT	6000.00'	37.50'	75.00'	2%
NB99 302+64.07	18°03'19.40" RT	1190.00'	189.07'	375.00'	7%
NB99 309+30.55	24°41'59.20" LT	1190.00'	260.55'	513.00'	-5%
NB99 312+69.54	04°05'45.40" LT	2420.00'	86.54'	173.00'	2%
SB99 301+50.03	02°51'53.20" RT	6000.00'	150.03'	300.00'	2%
SB99 304+50.15	06°19'09.80" RT	2720.00'	150.15'	300.00'	4%

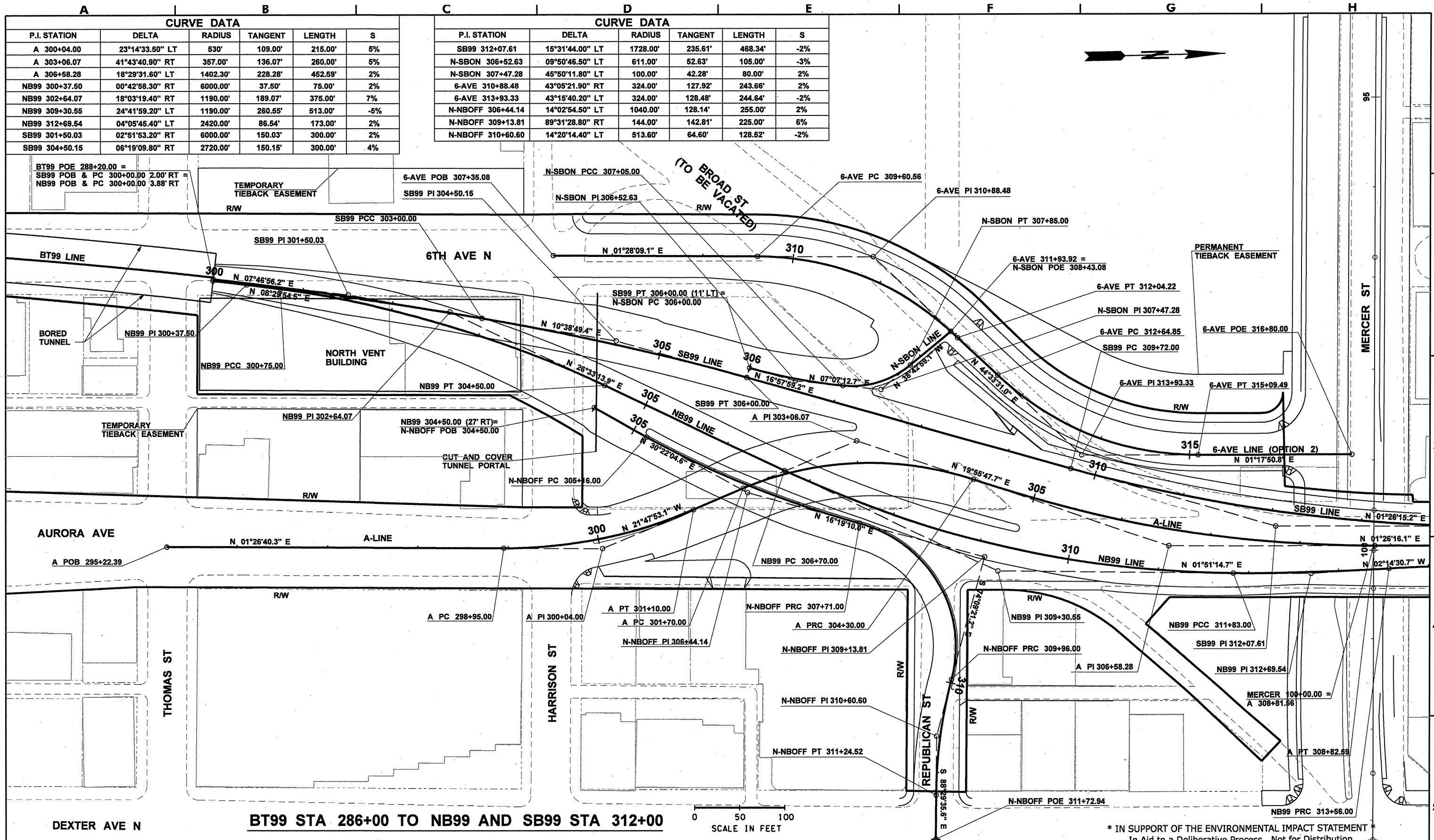
CURVE DATA					
P.I. STATION	DELTA	RADIUS	TANGENT	LENGTH	S
SB99 312+07.61	15°31'44.00" LT	1728.00'	235.61'	468.34'	-2%
N-SBON 306+52.63	09°50'46.50" LT	611.00'	52.63'	105.00'	3%
N-SBON 307+23.07	20°29'20.30" LT	100.00'	18.07'	35.76'	-2%
N-SBON 307+80.67	77°11'50.80" LT	50.00'	39.91'	67.37'	-2%
N-NBOFF 306+44.14	14°02'54.50" LT	1040.00'	128.14'	255.00'	2%
N-NBOFF 309+13.81	89°31'28.80" RT	144.00'	142.81'	225.00'	6%
N-NBOFF 310+60.60	14°20'14.40" LT	513.60'	64.60'	128.52'	-2%

BT99 POE 288+20.00 =
 SB99 POB & PC 300+00.00 2.00' RT =
 NB99 POB & PC 300+00.00 3.88' RT

FILE NAME	c:\aawork\pwwork\law\moattae\dms08223160073T00CQAL012.DLV		
TIME	11:00:22 AM		
DATE	2/5/2010		
PLOTTED BY	moattae		
DESIGNED BY			
ENTERED BY			
CHECKED BY			
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	

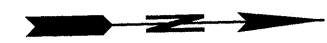
	DRAFT CONCEPTUAL DESIGN NOT FOR CONSTRUCTION	 Washington State Department of Transportation U.S. Department of Transportation Federal Highway Administration City of Seattle	ALASKAN WAY VIADUCT REPLACEMENT PROJECT SR 99 BORED TUNNEL OPTION 1 ALIGNMENT PLAN	AL012 SHEET OF SHEETS
	FED. AID PROJ. NO. 10 WASH LOCATION NO.	* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT * In Aid to a Deliberative Process. Not for Distribution.		

moattae



CURVE DATA					
P.I. STATION	DELTA	RADIUS	TANGENT	LENGTH	S
A 300+04.00	23°14'33.50" LT	530'	109.00'	215.00'	5%
A 303+06.07	41°43'40.90" RT	357.00'	136.07'	260.00'	5%
A 306+58.28	18°29'31.60" LT	1402.30'	228.28'	452.59'	2%
NB99 300+37.50	00°42'58.30" RT	6000.00'	37.50'	75.00'	2%
NB99 302+64.07	18°03'19.40" RT	1190.00'	189.07'	375.00'	7%
NB99 309+30.55	24°41'59.20" LT	1190.00'	260.55'	513.00'	-5%
NB99 312+69.54	04°05'45.40" LT	2420.00'	86.54'	173.00'	2%
SB99 301+50.03	02°51'53.20" RT	6000.00'	150.03'	300.00'	2%
SB99 304+50.15	06°19'09.80" RT	2720.00'	150.15'	300.00'	4%

CURVE DATA					
P.I. STATION	DELTA	RADIUS	TANGENT	LENGTH	S
SB99 312+07.61	15°31'44.00" LT	1728.00'	235.61'	468.34'	-2%
N-SBON 306+52.63	09°50'46.50" LT	611.00'	52.63'	105.00'	-3%
N-SBON 307+47.28	45°50'11.80" LT	100.00'	42.28'	80.00'	2%
6-AVE 310+88.48	43°05'21.90" RT	324.00'	127.92'	243.66'	2%
6-AVE 313+93.33	43°15'40.20" LT	324.00'	128.48'	244.64'	-2%
N-NBOFF 306+44.14	14°02'54.50" LT	1040.00'	128.14'	255.00'	2%
N-NBOFF 309+13.81	89°31'28.80" RT	144.00'	142.81'	225.00'	6%
N-NBOFF 310+60.60	14°20'14.40" LT	513.60'	64.60'	128.52'	-2%



SCALE IN FEET
0 50 100

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

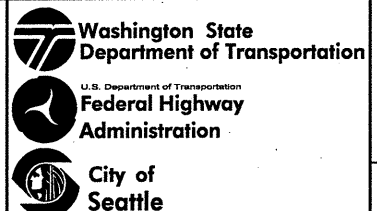
moattae

FILE NAME	c:\aawork\pwwork\law\moattae\dms08223160073T00CQAL013.DLV		
TIME	11:00:31 AM		
DATE	2/5/2010		
PLOTTED BY	moattae		
DESIGNED BY			
ENTERED BY			
CHECKED BY			
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	

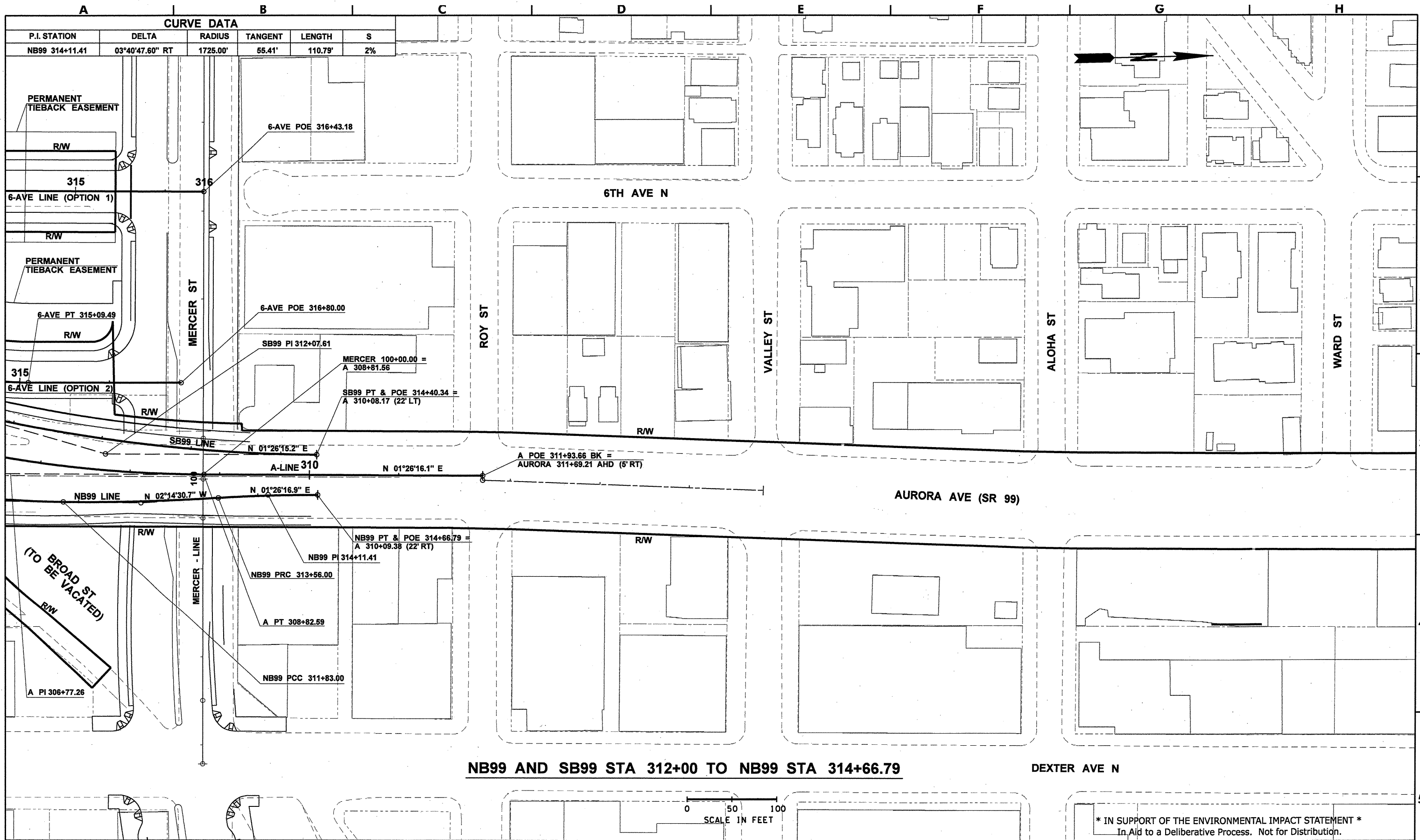
REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	
JOB NUMBER		
CONTRACT NO.		LOCATION NO.



DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION

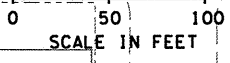


ALASKAN WAY VIADUCT REPLACEMENT PROJECT SR 99 BORED TUNNEL OPTION 2 ALIGNMENT PLAN		AL013 SHEET OF SHEETS
---	--	---------------------------------------



NB99 AND SB99 STA 312+00 TO NB99 STA 314+66.79

DEXTER AVE N



* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

moattae

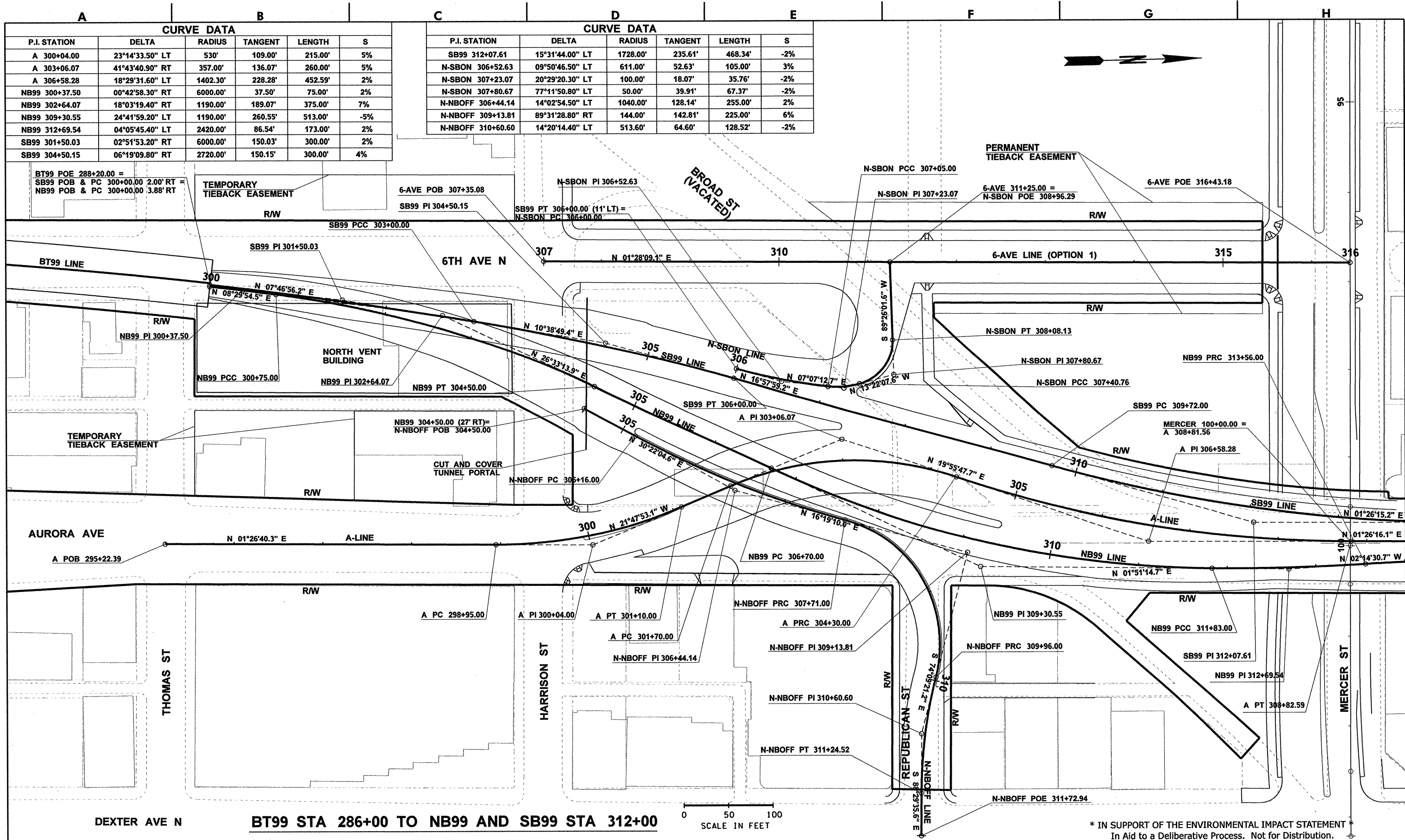
FILE NAME	c:\aawork\pwwork\law\moattae\dms08223160073T00CQAL014.DLV		
TIME	11:00:41 AM		
DATE	2/5/2010		
PLOTTED BY	moattae		
DESIGNED BY			
ENTERED BY			
CHECKED BY			
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	
JOB NUMBER		
CONTRACT NO.	LOCATION NO.	



DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION

ALASKAN WAY VIADUCT REPLACEMENT PROJECT SR 99 BORED TUNNEL ALIGNMENT PLAN		AL014 SHEET OF SHEETS
--	--	---------------------------------------



* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT
 In Aid to a Deliberative Process. Not for Distribution.

FILE NAME	c:\aawork\pwwork\law\crosies\dms08223160073T00CQAL012.DLV
TIME	8:17:32 AM
DATE	2/5/2010
PLOTTED BY	crosies
DESIGNED BY	
ENTERED BY	
CHECKED BY	
PROJ. ENGR.	S. EVERETT
REGIONAL ADM.	R. PAANANEN

REVISION	DATE	BY

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	
JOB NUMBER		LOCATION NO.
CONTRACT NO.		



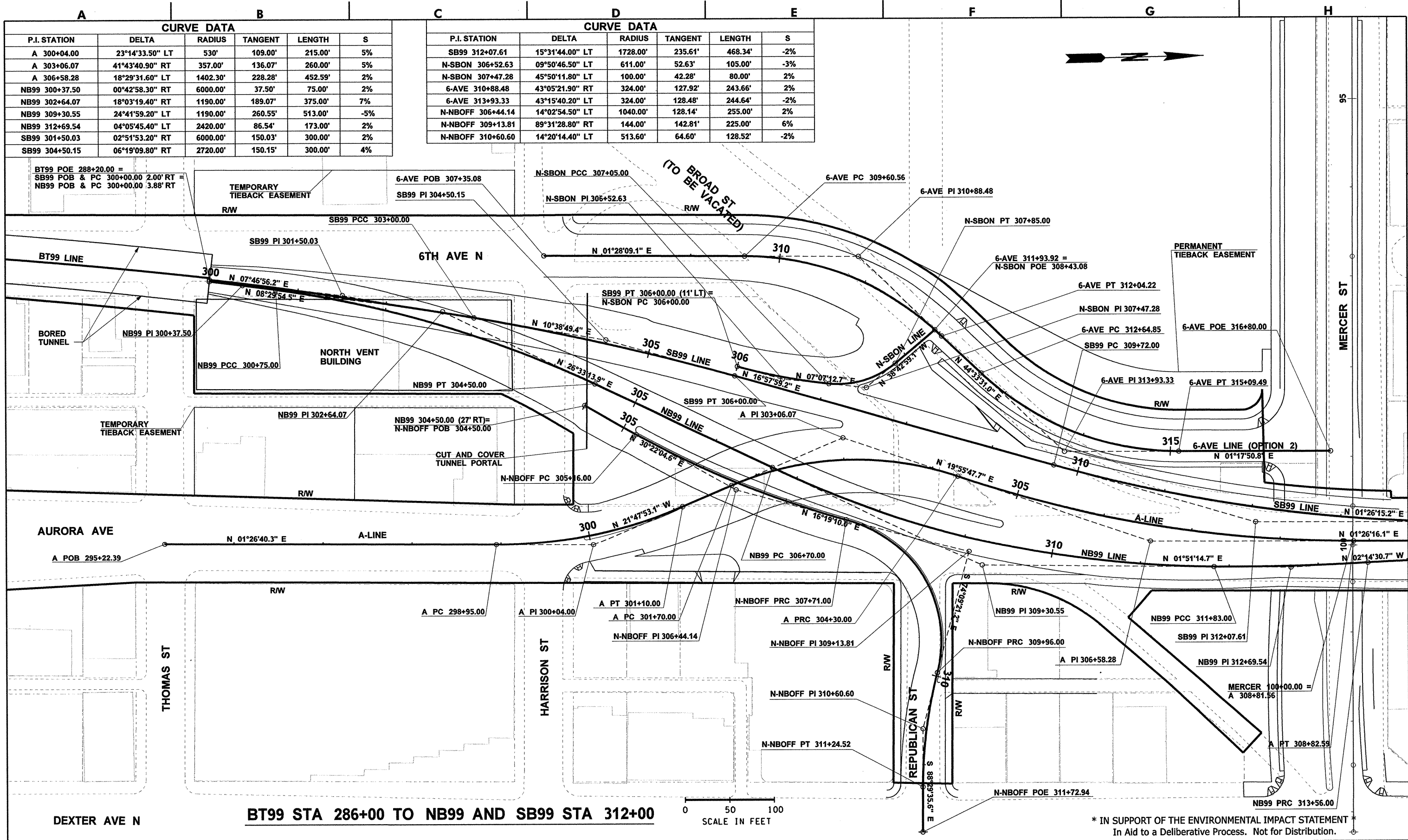
DRAFT
CONCEPTUAL DESIGN
 NOT FOR CONSTRUCTION



**ALASKAN WAY VIADUCT
 REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
OPTION 1 ALIGNMENT PLAN

AL012
 SHEET
 OF
 SHEETS

crosies



CURVE DATA					
P.I. STATION	DELTA	RADIUS	TANGENT	LENGTH	S
A 300+04.00	23°14'33.50" LT	530'	109.00'	215.00'	5%
A 303+06.07	41°43'40.90" RT	357.00'	136.07'	260.00'	5%
A 306+58.28	18°29'31.60" LT	1402.30'	228.28'	452.59'	2%
NB99 300+37.50	00°42'58.30" RT	6000.00'	37.50'	75.00'	2%
NB99 302+64.07	18°03'19.40" RT	1190.00'	189.07'	375.00'	7%
NB99 309+30.55	24°41'59.20" LT	1190.00'	260.55'	513.00'	-5%
NB99 312+69.54	04°05'45.40" LT	2420.00'	86.54'	173.00'	2%
SB99 304+50.15	02°51'53.20" RT	6000.00'	150.03'	300.00'	2%
SB99 304+50.15	06°19'09.80" RT	2720.00'	150.15'	300.00'	4%

CURVE DATA					
P.I. STATION	DELTA	RADIUS	TANGENT	LENGTH	S
SB99 312+07.61	15°31'44.00" LT	1728.00'	235.61'	468.34'	-2%
N-SBON 306+52.63	09°50'46.50" LT	611.00'	52.63'	105.00'	-3%
N-SBON 307+47.28	45°50'11.80" LT	100.00'	42.28'	80.00'	2%
6-AVE 310+88.48	43°05'21.90" RT	324.00'	127.92'	243.66'	2%
6-AVE 313+93.33	43°15'40.20" LT	324.00'	128.48'	244.64'	-2%
N-NBOFF 306+44.14	14°02'54.50" LT	1040.00'	128.14'	255.00'	2%
N-NBOFF 309+13.81	89°31'28.80" RT	144.00'	142.81'	225.00'	6%
N-NBOFF 310+60.60	14°20'14.40" LT	513.60'	64.60'	128.52'	-2%

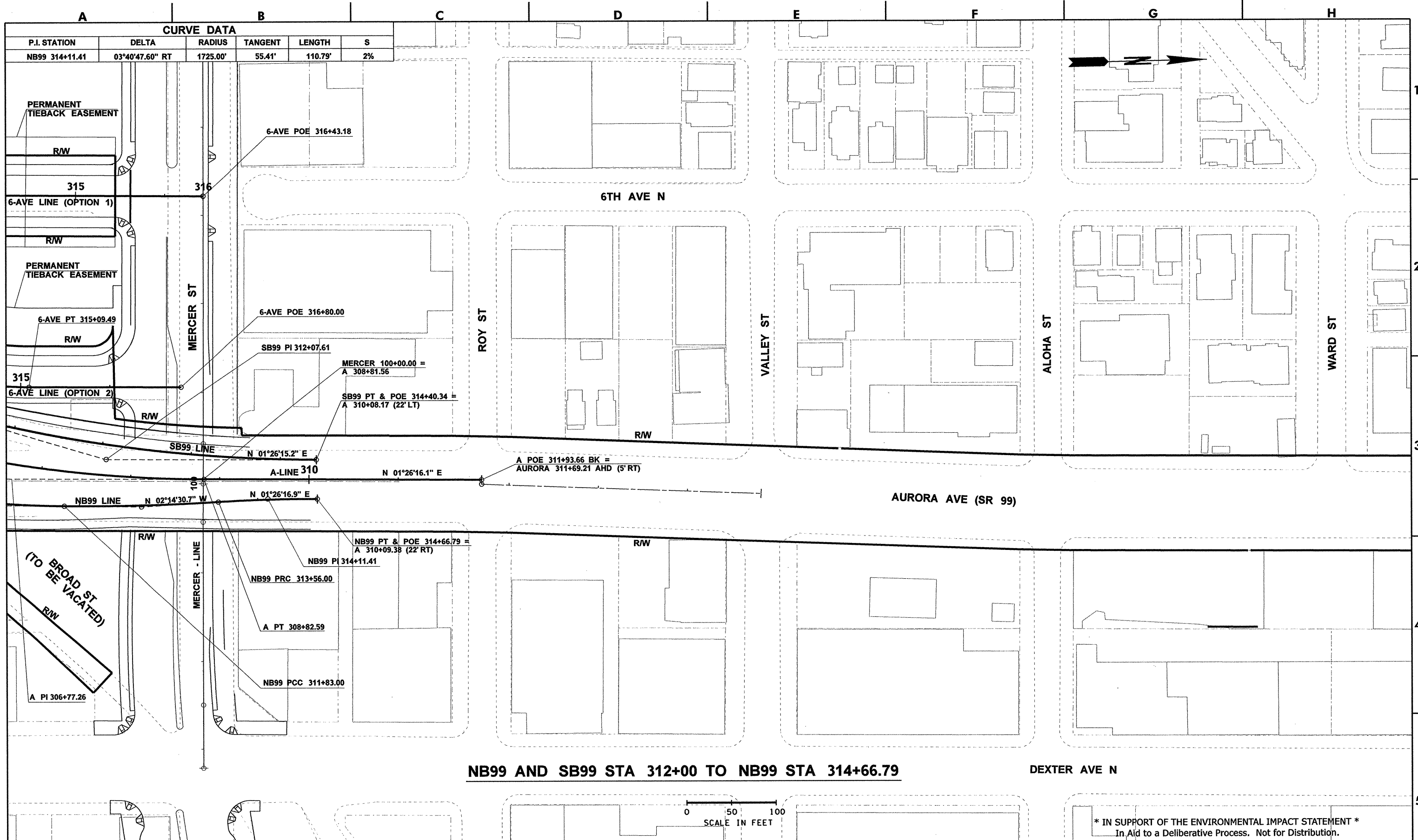
BT99 POE 288+20.00 =
 SB99 POB & PC 300+00.00 2.00' RT =
 NB99 POB & PC 300+00.00 3.88' RT

FILE NAME	c:\aawork\pwork\law\vcrosies\dms08223160073T00CQAL013.DLV		
TIME	8:18:56 AM		
DATE	2/5/2010		
PLOTTED BY	crosles		
DESIGNED BY			
ENTERED BY			
CHECKED BY			
PROJ. ENGR.	S. EVERETT	REVISION	DATE BY
REGIONAL ADM.	R. PAANANEN		

	<p>*DRAFT* CONCEPTUAL DESIGN NOT FOR CONSTRUCTION</p>	<p>Washington State Department of Transportation</p> <p>U.S. Department of Transportation Federal Highway Administration</p> <p>City of Seattle</p>	<p>ALASKAN WAY VIADUCT REPLACEMENT PROJECT SR 99 BORED TUNNEL OPTION 2 ALIGNMENT PLAN</p>	AL013
				SHEET OF SHEETS

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT
 In Aid to a Deliberative Process. Not for Distribution.

crosles



CURVE DATA

P.I. STATION	DELTA	RADIUS	TANGENT	LENGTH	S
NB99 314+11.41	03°40'47.60" RT	1725.00'	55.41'	110.79'	2%

FILE NAME	c:\aawork\pwwork\law\crosles\dms08223160073T00CQAL014.DLV				
TIME	8:00:16 AM				
DATE	2/5/2010				
PLOTTED BY	crosles				
DESIGNED BY					
ENTERED BY					
CHECKED BY					
PROJ. ENGR.	S. EVERETT				
REGIONAL ADM.	R. PAANANEN				
REVISION	DATE	BY	REGION NO.	STATE	FED. AID PROJ. NO.
			10	WASH	
			JOB NUMBER		
			CONTRACT NO.		LOCATION NO.



DRAFT
CONCEPTUAL DESIGN
 NOT FOR CONSTRUCTION

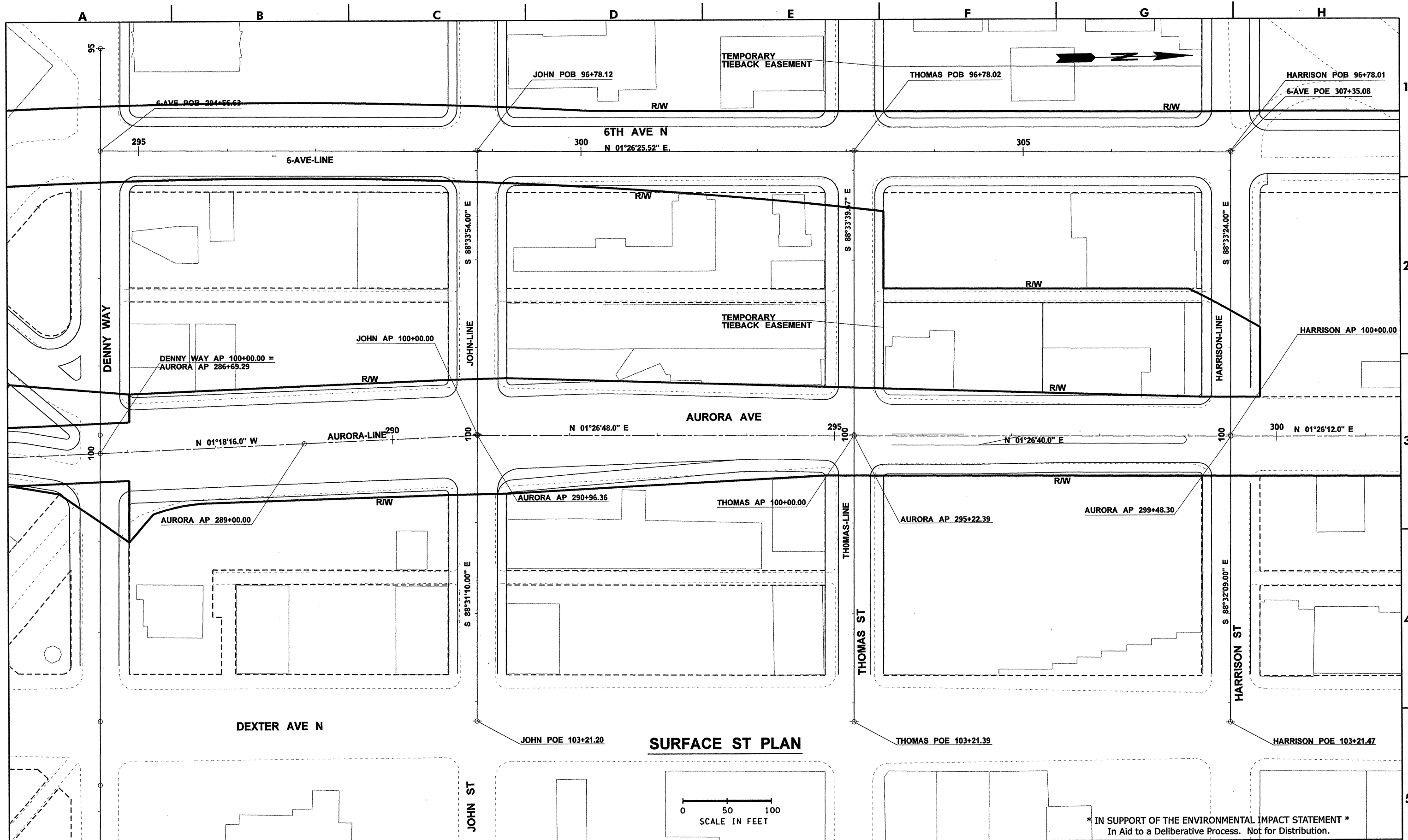


* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
 In Aid to a Deliberative Process, Not for Distribution.

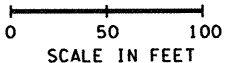
**ALASKAN WAY VIADUCT
 REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
ALIGNMENT PLAN

AL014
 SHEET
 OF
 SHEETS

crosles



SURFACE ST PLAN



* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME	c:\aawork\pwwork\law\crosies\dms08223160073T00CQAL015.DLV		
TIME	8:26:30 AM		
DATE	2/5/2010		
PLOTTED BY	crosies		
DESIGNED BY			
ENTERED BY			
CHECKED BY			
PROJ. ENGR.	S. EVERETT	REVISION	DATE BY
REGIONAL ADM.	R. PAANANEN		

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	
JOB NUMBER		LOCATION NO.
CONTRACT NO.		



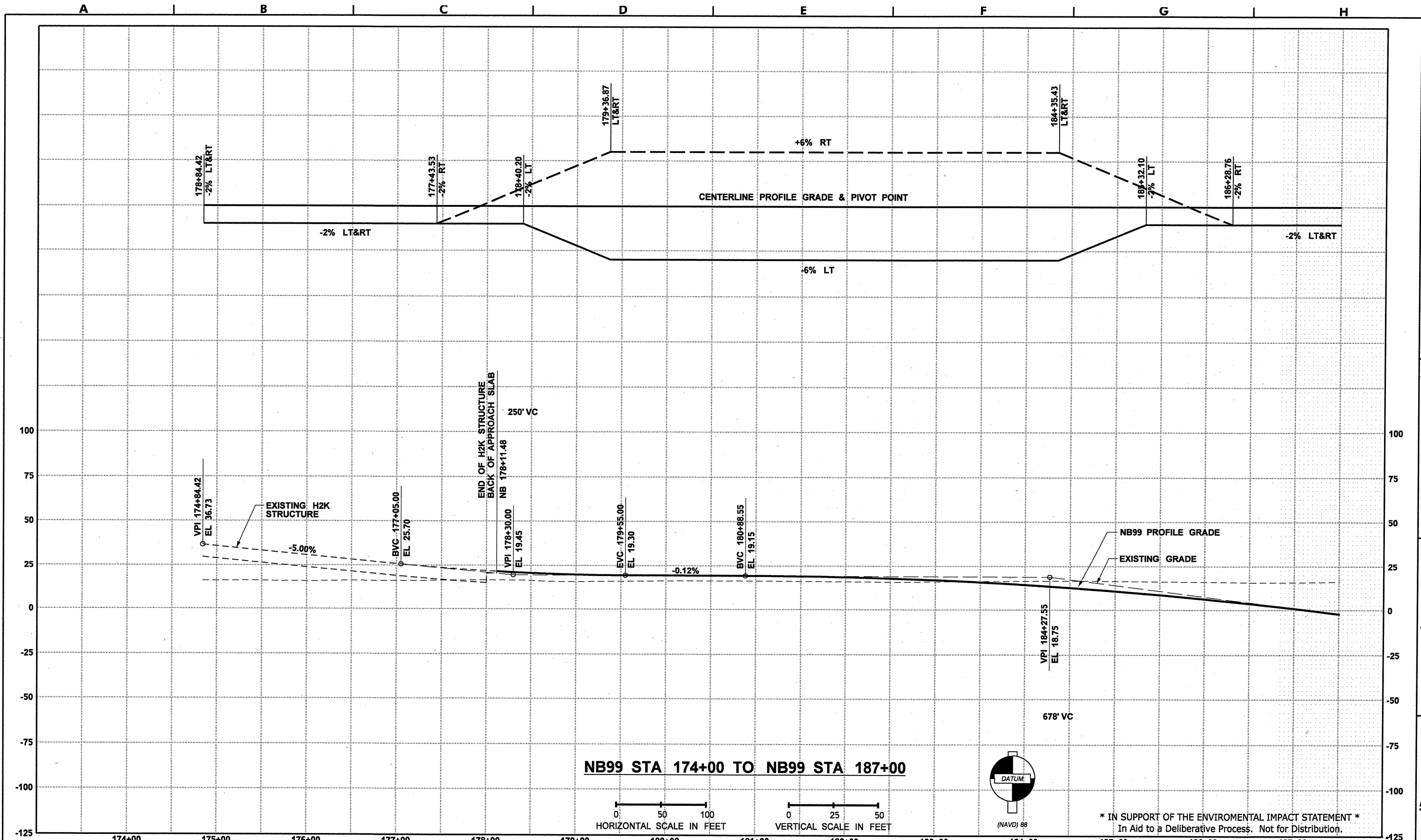
DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
ALIGNMENT PLAN

AL015
SHEET
OF
SHEETS

crosies

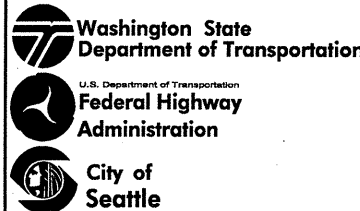


FILE NAME	c:\aawork\pwwork\awv\muellke\dms08251\160073T00CqCP001B.dwg		
TIME	1:05:45 PM		
DATE	2/5/2010		
PLOTTED BY	muellke		
DESIGNED BY	---		
ENTERED BY	H.WILLIAMS / A. SNIDER		
CHECKED BY	---		
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	
JOB NUMBER	CONTRACT NO.	LOCATION NO.
Y-9715		XL-2219



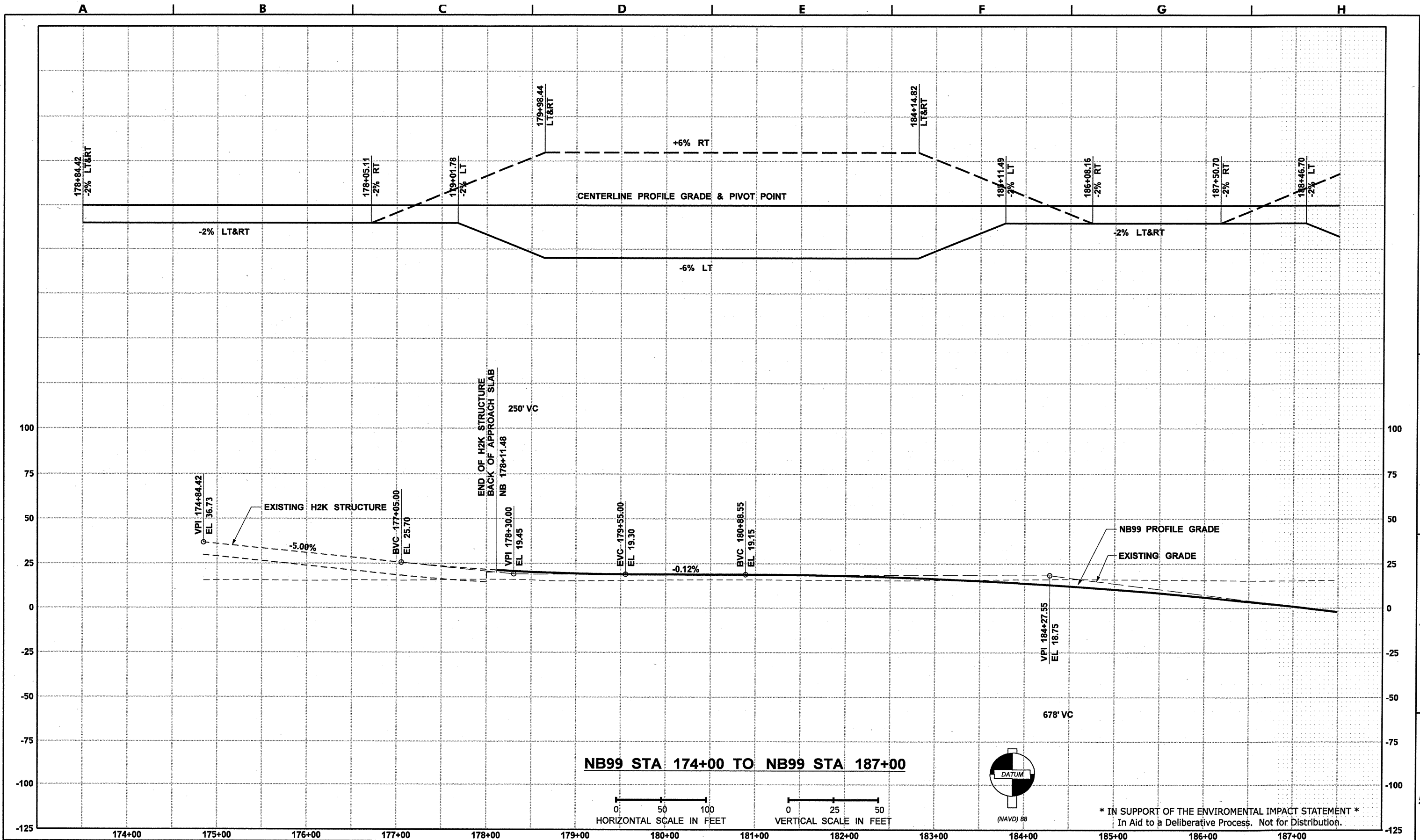
DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL
OPTION B ROADWAY PROFILE & SUPERELEVATION

CP001B
SHEET OF SHEETS

muellke



NB99 STA 174+00 TO NB99 STA 187+00

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME	c:\aawork\pwwork\lawv\muellek\dms08251160073T00CQCP001D.div		
TIME	1:05:50 PM		
DATE	2/5/2010		
PLOTTED BY	muellike		
DESIGNED BY	---		
ENTERED BY	H.WILLIAMS / A. SNIDER		
CHECKED BY	---		
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	
REGION NO.	STATE	FED. AID PROJ. NO.	
10	WASH		
JOB NUMBER	Y-9715		
CONTRACT NO.			
LOCATION NO.	XL-2219		



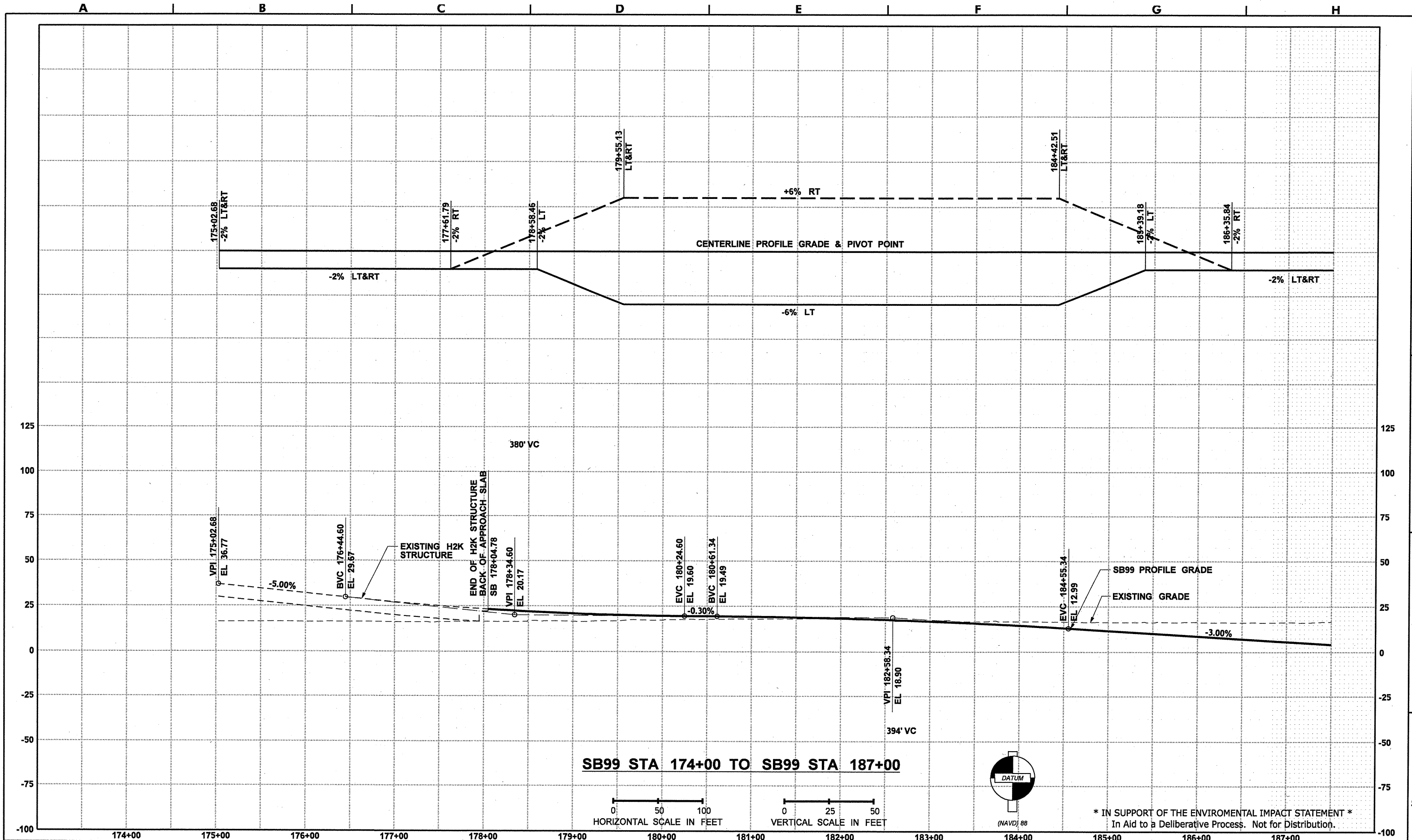
DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
**OPTION D
ROADWAY PROFILE & SUPERELEVATION**

CP001D
SHEET
OF
SHEETS

muellike



FILE NAME	c:\aawork\pwwork\law\muuellek\dms08251160073T00CQCP002B.dwg		
TIME	1:05:54 PM		
DATE	2/5/2010		
PLOTTED BY	muellike		
DESIGNED BY	---		
ENTERED BY	H.WILLIAMS / A. SNIDER		
CHECKED BY	---		
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	
REGION NO.	STATE	FED. AID PROJ. NO.	
10	WASH		
JOB NUMBER	Y-9715		
CONTRACT NO.			
LOCATION NO.	XL-2219		

DRAFT

CONCEPTUAL DESIGN

NOT FOR CONSTRUCTION

ALASKAN WAY VIADUCT REPLACEMENT PROJECT

SR 99 BORED TUNNEL

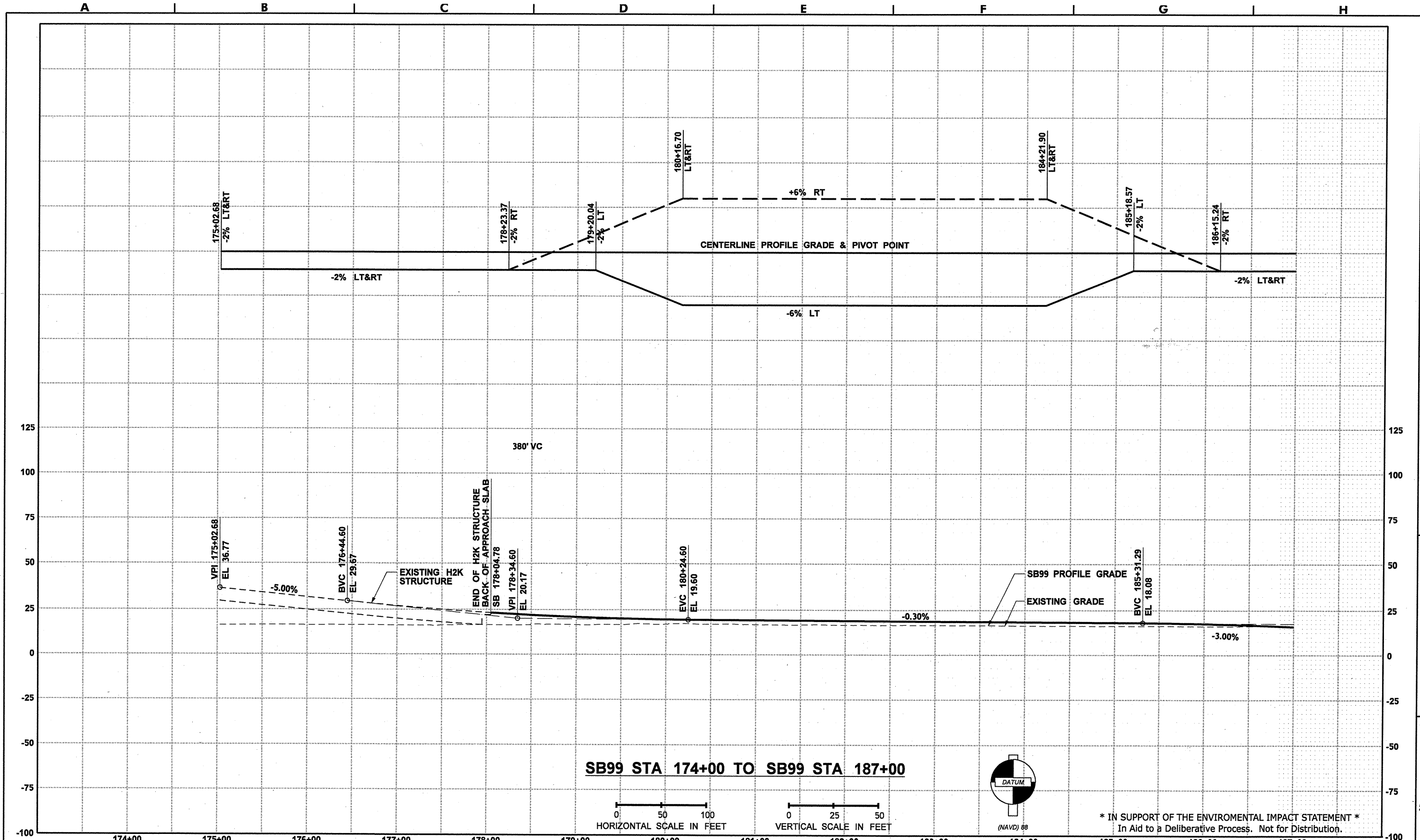
OPTION B ROADWAY PROFILE & SUPERELEVATION

CP002B

SHEET OF SHEETS

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

muellike



FILE NAME	c:\aawork\pwwork\law\muuelle\k\dms082511160073T00CQCPCP002D.dlv		
TIME	1:05:58 PM		
DATE	2/5/2010		
PLOTTED BY	muellke		
DESIGNED BY	---		
ENTERED BY	H.WILLIAMS / A. SNIDER		
CHECKED BY	---		
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	
JOB NUMBER	CONTRACT NO.	LOCATION NO.
Y-9715		XL-2219

DRAFT

CONCEPTUAL DESIGN

NOT FOR CONSTRUCTION

Washington State Department of Transportation

U.S. Department of Transportation Federal Highway Administration

City of Seattle

ALASKAN WAY VIADUCT REPLACEMENT PROJECT

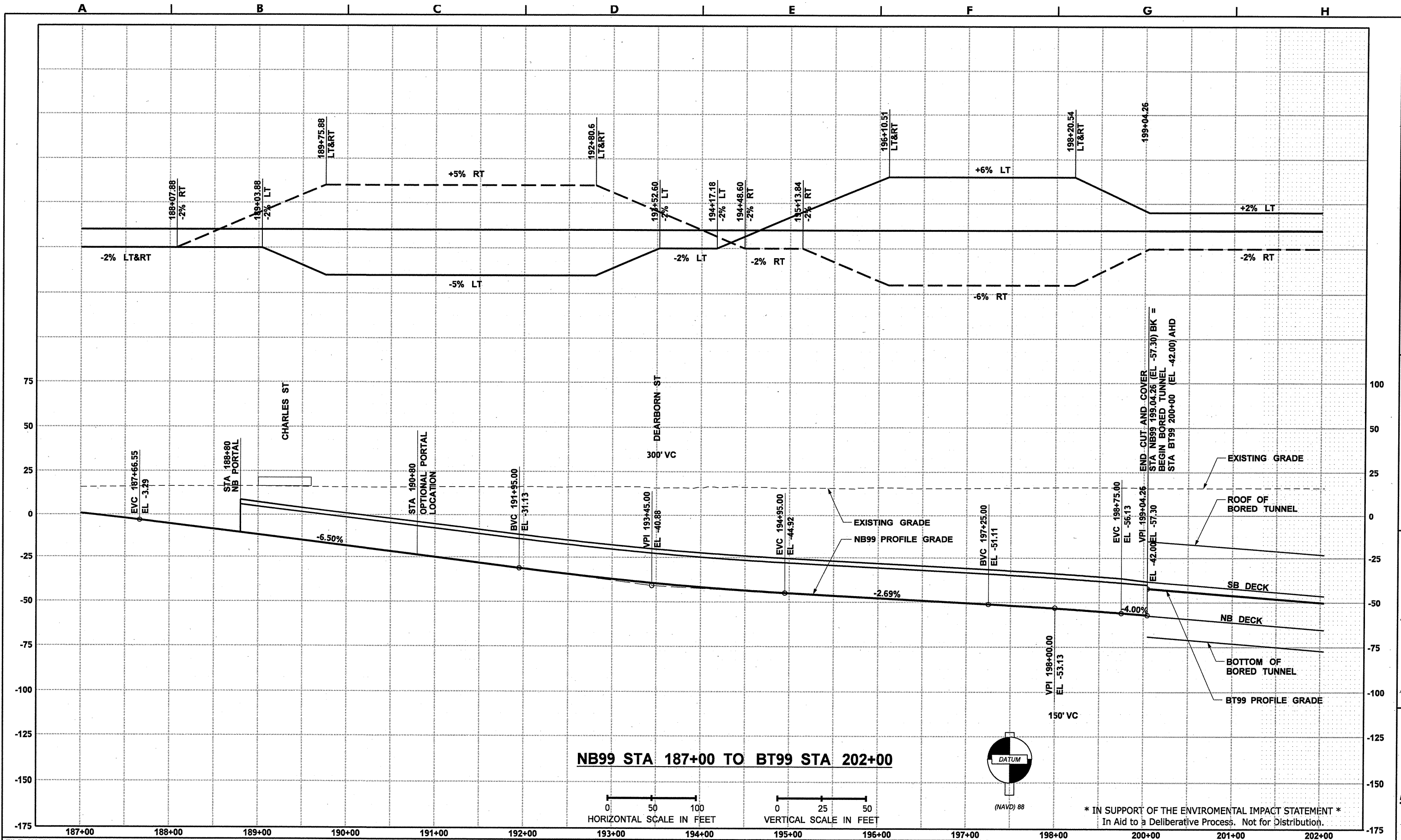
SR 99 BORED TUNNEL

OPTION D ROADWAY PROFILE & SUPERELEVATION

CP002D

SHEET OF SHEETS

muellke

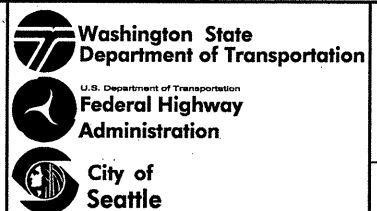


* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
 In Aid of a Deliberative Process. Not for Distribution.

FILE NAME c:\aawork\pwwork\aw\muelle\k\dms08251\160073T00CQCP003B.d		REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME 1:06:03 PM	DATE 2/5/2010	JOB NUMBER Y-9715	CONTRACT NO.	LOCATION NO. XL-2219
PLOTTED BY muellike	DESIGNED BY	REVISION		
ENTERED BY H.WILLIAMS / A. SNIDER	CHECKED BY	DATE	BY	
PROJ. ENGR. S. EVERETT	REGIONAL ADM. R. PAANANEN			



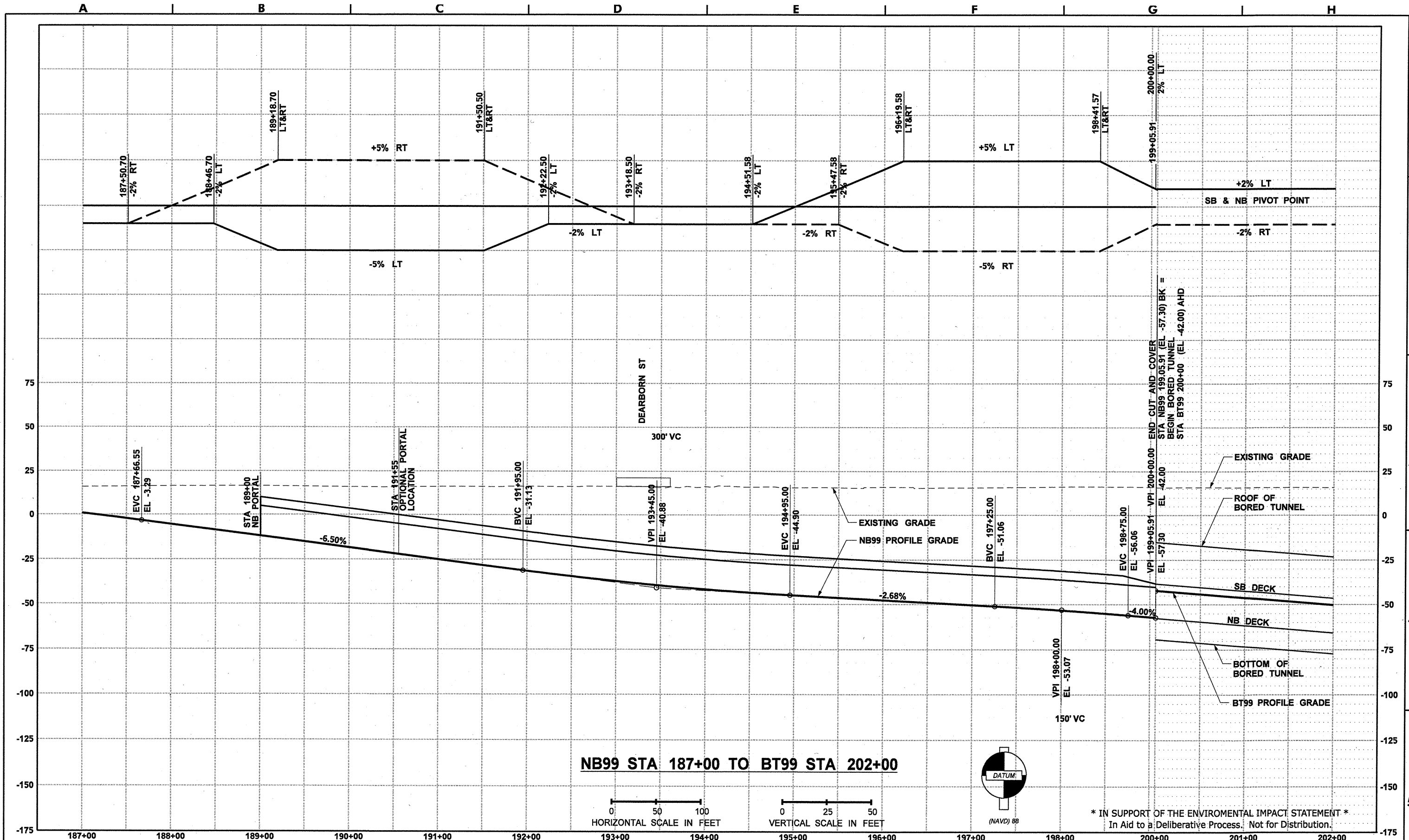
DRAFT
CONCEPTUAL DESIGN
 NOT FOR CONSTRUCTION



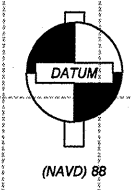
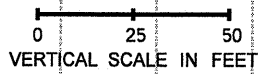
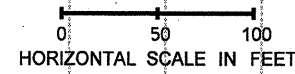
ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL
OPTION B ROADWAY PROFILE & SUPERELEVATION

CP003B
 SHEET OF SHEETS

muellike



NB99 STA 187+00 TO BT99 STA 202+00



* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

muellike

FILE NAME: c:\aawork\pwwork\aw\muellike\dms08251160073T00CQCP003D.dwg		REGION NO.:	STATE:	FED. AID PROJ. NO.:
TIME: 1:06:08 PM		10	WASH	
DATE: 2/5/2010		JOB NUMBER:		
PLOTTED BY: muellike		Y-9715		
DESIGNED BY: ---		CONTRACT NO.:		LOCATION NO.:
ENTERED BY: H.WILLIAMS / A. SNIDER				XL-2219
CHECKED BY: ---				
PROJ. ENGR. S. EVERETT				
REGIONAL ADM. R. PAANANEN	REVISION	DATE	BY	

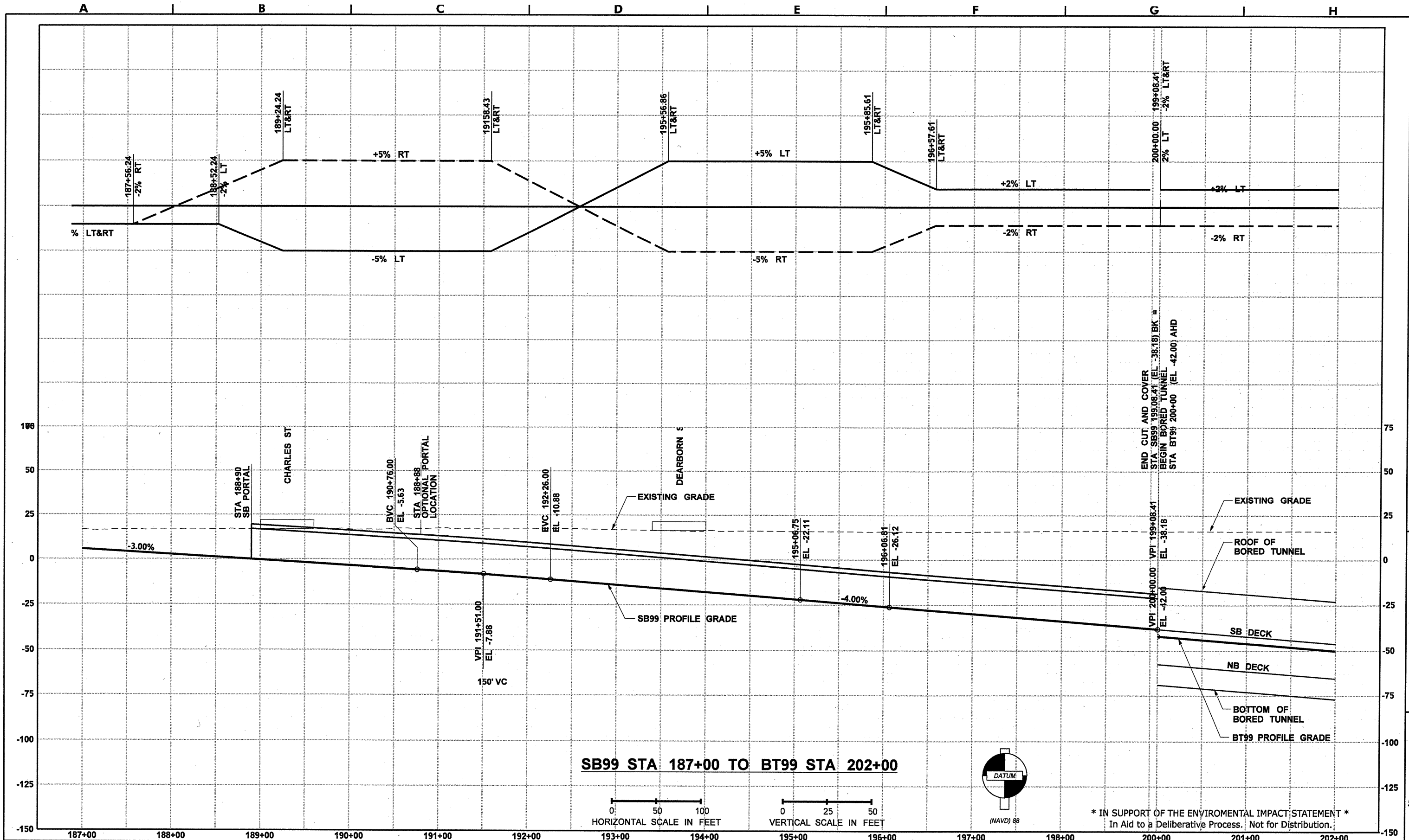


DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION

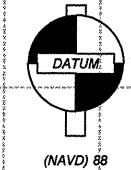
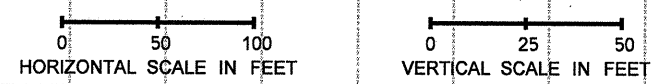


**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
**OPTION D
ROADWAY PROFILE & SUPERELEVATION**

CP003D
SHEET OF SHEETS



SB99 STA 187+00 TO BT99 STA 202+00

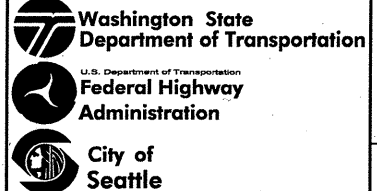


* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME: c:\aawork\pwwork\law\muuelle\k\dms08251160073T00CQCP004B.dwg		REGION NO.:	STATE:	FED. AID PROJ. NO.:
TIME: 1:06:13 PM		10	WASH	
DATE: 2/5/2010		JOB NUMBER:		
PLOTTED BY: muellike		Y-9715		
DESIGNED BY: ---		CONTRACT NO.:		LOCATION NO.:
ENTERED BY: H.WILLIAMS / A. SNIDER				XL-2219
CHECKED BY: ---				
PROJ. ENGR. S. EVERETT				
REGIONAL ADM. R. PAANANEN	REVISION:			DATE BY:



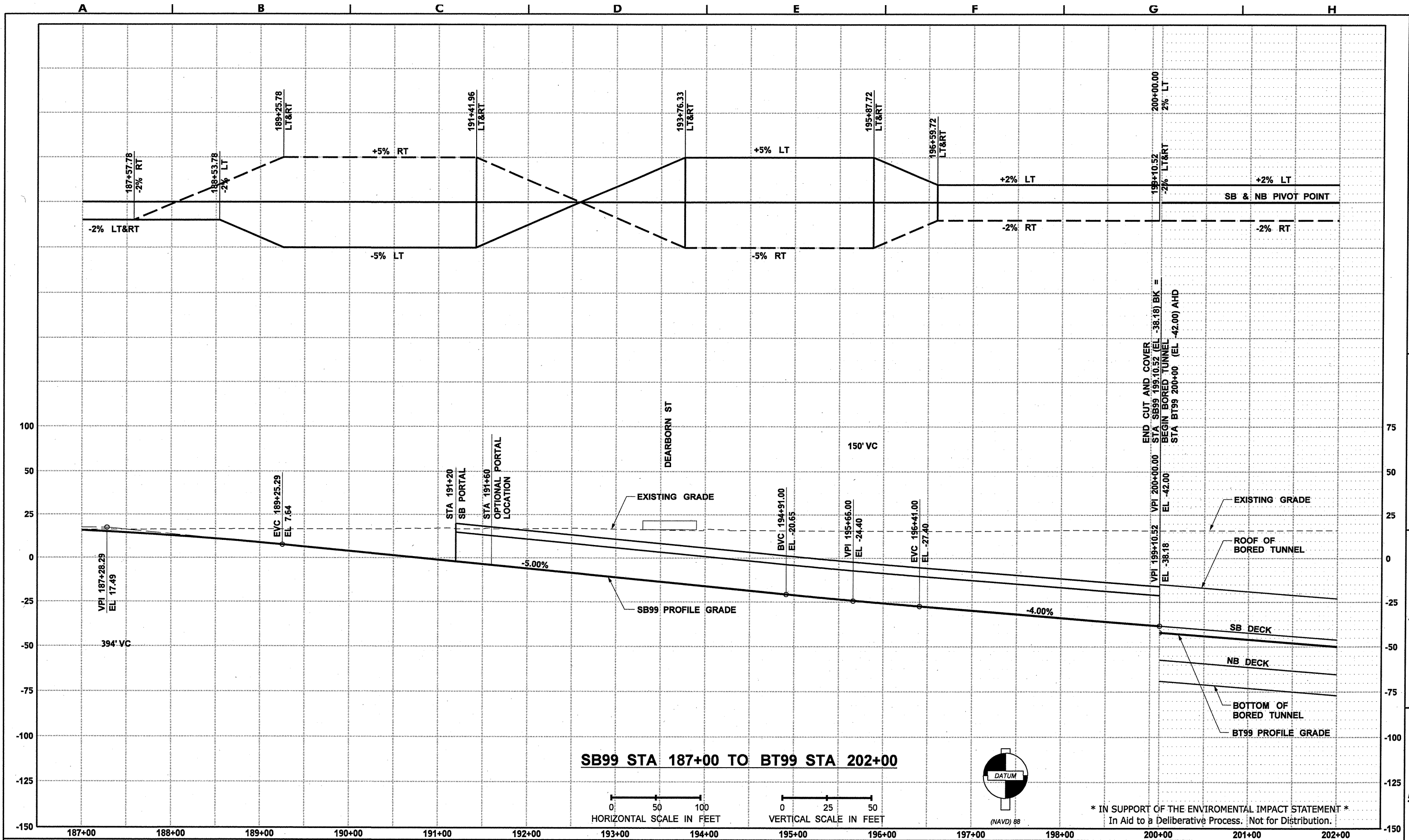
DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
**OPTION B
ROADWAY PROFILE & SUPERELEVATION**

CP004B
SHEET OF SHEETS

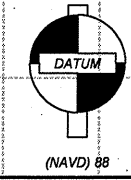
muellike



SB99 STA 187+00 TO BT99 STA 202+00

HORIZONTAL SCALE IN FEET
0 50 100

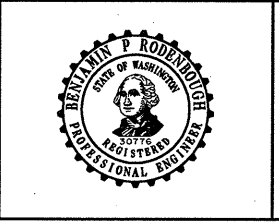
VERTICAL SCALE IN FEET
0 25 50



* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

muelike

FILE NAME		c:\aawork\pwwork\law\muellek\dms082511\160073T00CQCPC004D.dlv	
TIME	1:06:18 PM	REGION NO.	10
DATE	2/5/2010	STATE	WASH
PLOTTED BY	muelike	JOB NUMBER	Y-9715
DESIGNED BY	---	CONTRACT NO.	---
ENTERED BY	H.WILLIAMS / A.SNIDER	LOCATION NO.	XL-2219
CHECKED BY	---	REVISION	DATE BY
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		

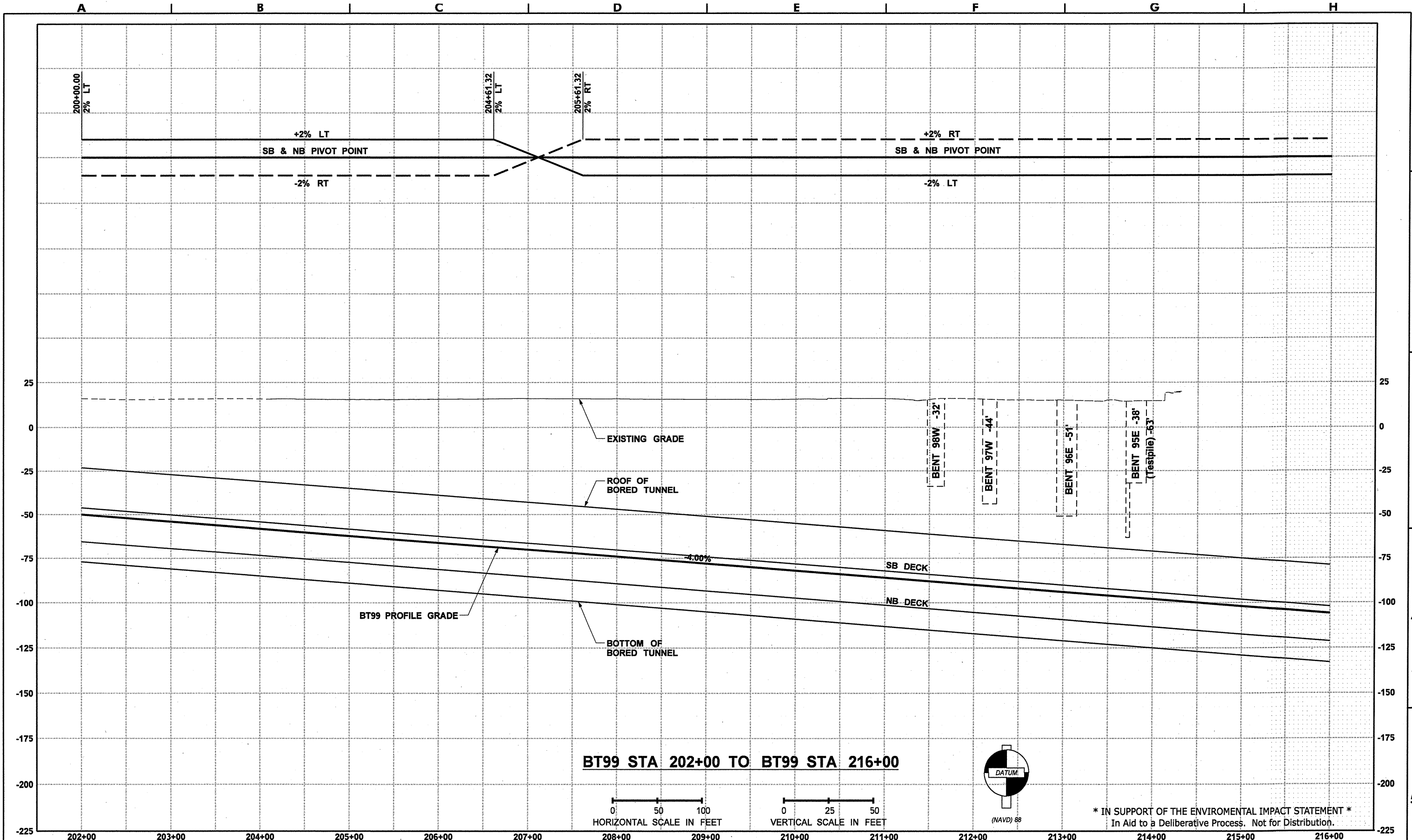


DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
**OPTION D
ROADWAY PROFILE & SUPERELEVATION**

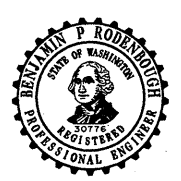
CP004D
SHEET
OF
SHEETS



BT99 STA 202+00 TO BT99 STA 216+00

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid of a Deliberative Process. Not for Distribution.

FILE NAME		c:\aawork\pwwork\law\muuellekdms08251160073T00CQCP005.dwg	
TIME	1:06:23 PM		
DATE	2/5/2010		
PLOTTED BY	muellke		
DESIGNED BY	---		
ENTERED BY	H.WILLIAMS / A. SNIDER		
CHECKED BY	---		
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	
REGION NO.	STATE	FED. AID PROJ. NO.	
10	WASH		
JOB NUMBER	Y-9715		
CONTRACT NO.	LOCATION NO.		
	XL-2219		



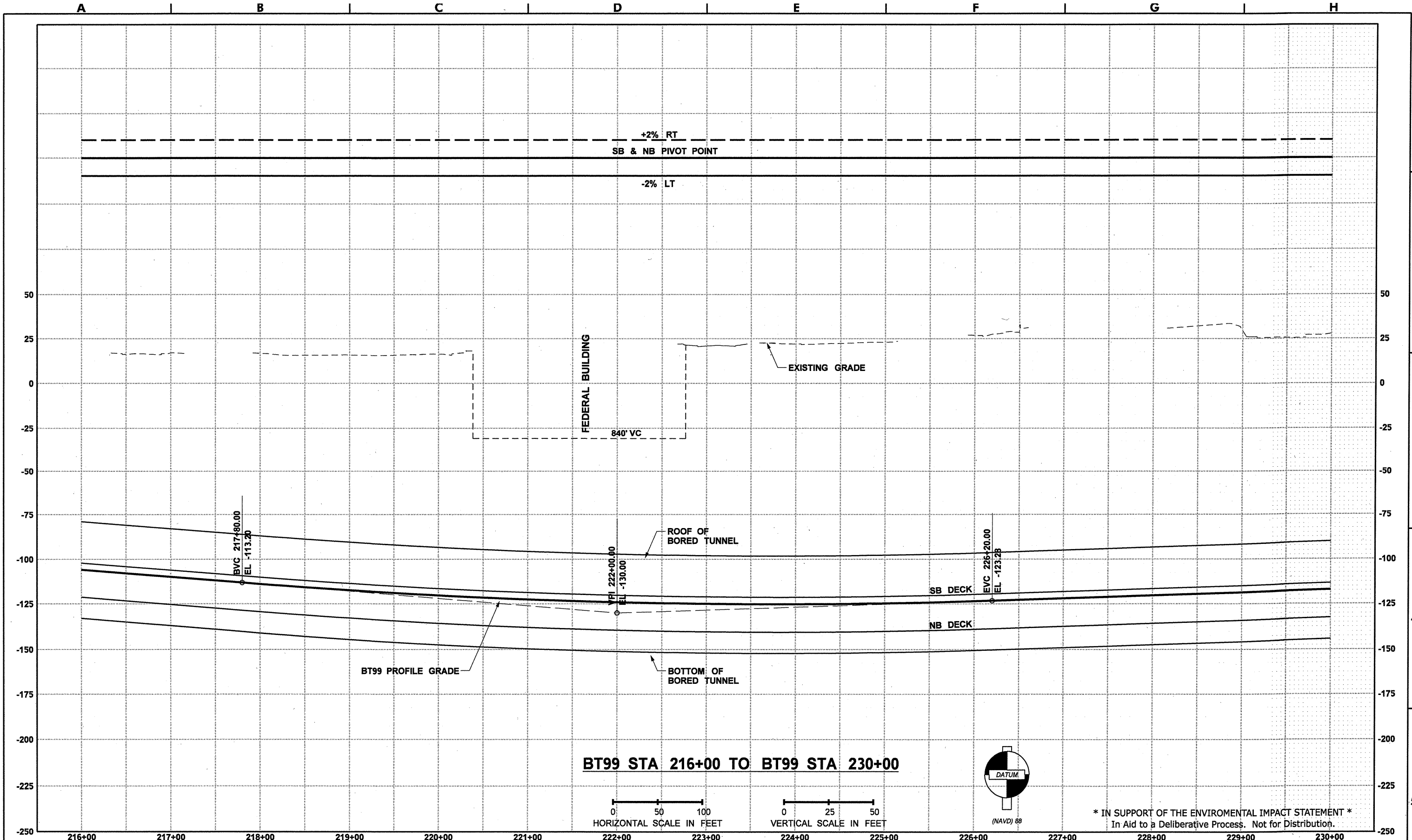
DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
ROADWAY PROFILE & SUPERELEVATION

CP005
SHEET
OF
SHEETS

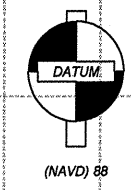
muellke



BT99 STA 216+00 TO BT99 STA 230+00

HORIZONTAL SCALE IN FEET
0 50 100

VERTICAL SCALE IN FEET
0 25 50



* IN SUPPORT OF THE ENVIROMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME c:\aawork\pwwork\law\muuellek\dms08251160073T00CQCP006.dlv		REGION NO. STATE		FED. AID PROJ. NO.
TIME 1:06:27 PM		10	WASH	
DATE 2/5/2010		JOB NUMBER	Y-9715	
PLOTTED BY muellke		CONTRACT NO.		
DESIGNED BY ---		LOCATION NO.	XL-2219	
ENTERED BY H.WILLIAMS / A. SNIDER				
CHECKED BY ---				
PROJ. ENGR. S. EVERETT				
REGIONAL ADM. R. PAANANEN	REVISION	DATE	BY	



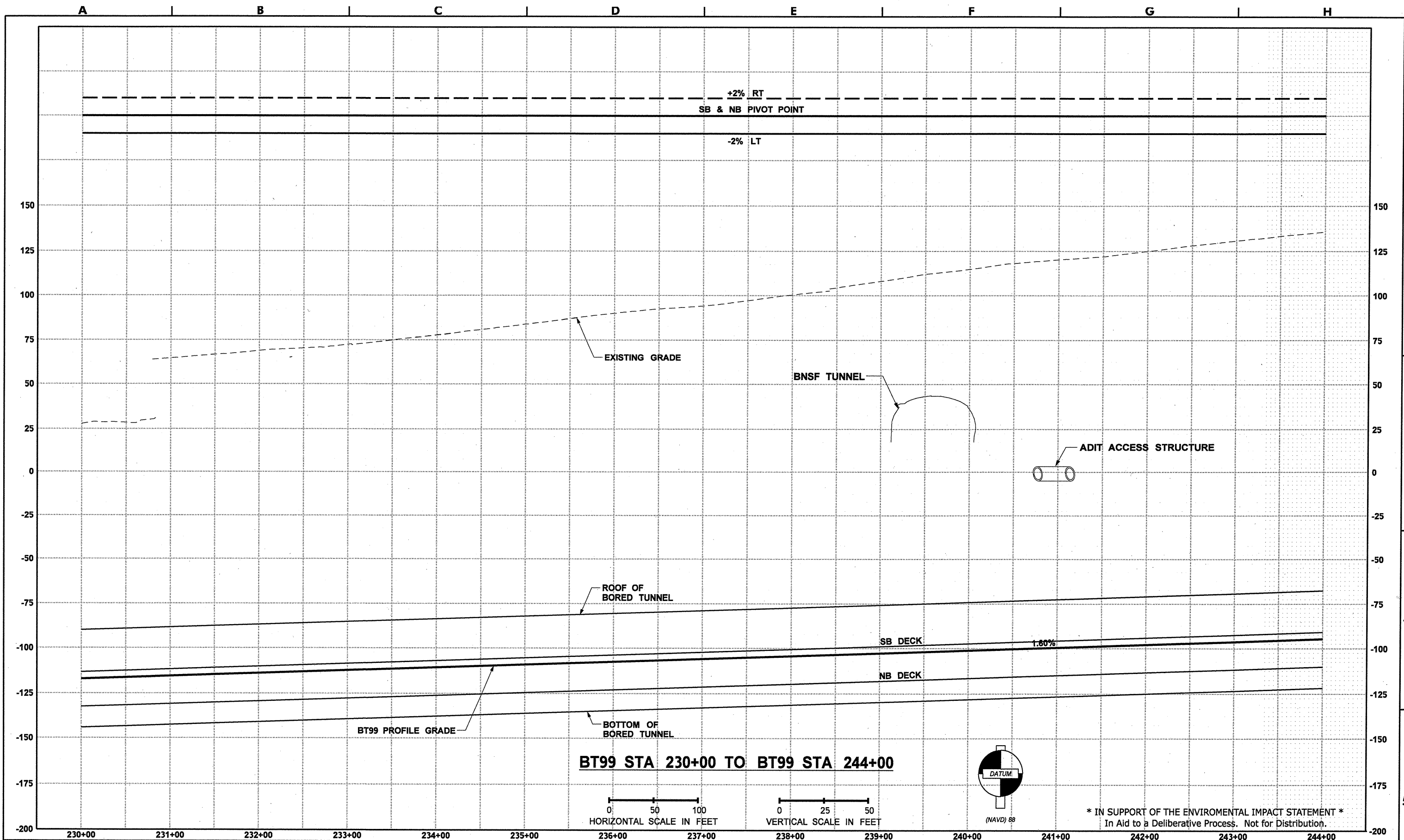
DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
ROADWAY PROFILE & SUPERELEVATION

CP006
SHEET
OF
SHEETS

muellke



FILE NAME	c:\aawork\pwwork\law\muuelle\dms08251160073T00CQCP007.dwg		
TIME	1:06:40 PM		
DATE	2/5/2010		
PLOTTED BY	muellke		
DESIGNED BY	---		
ENTERED BY	H.WILLIAMS / A. SNIDER		
CHECKED BY	---		
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	
JOB NUMBER	Y-9715	
CONTRACT NO.	LOCATION NO. XL-2219	



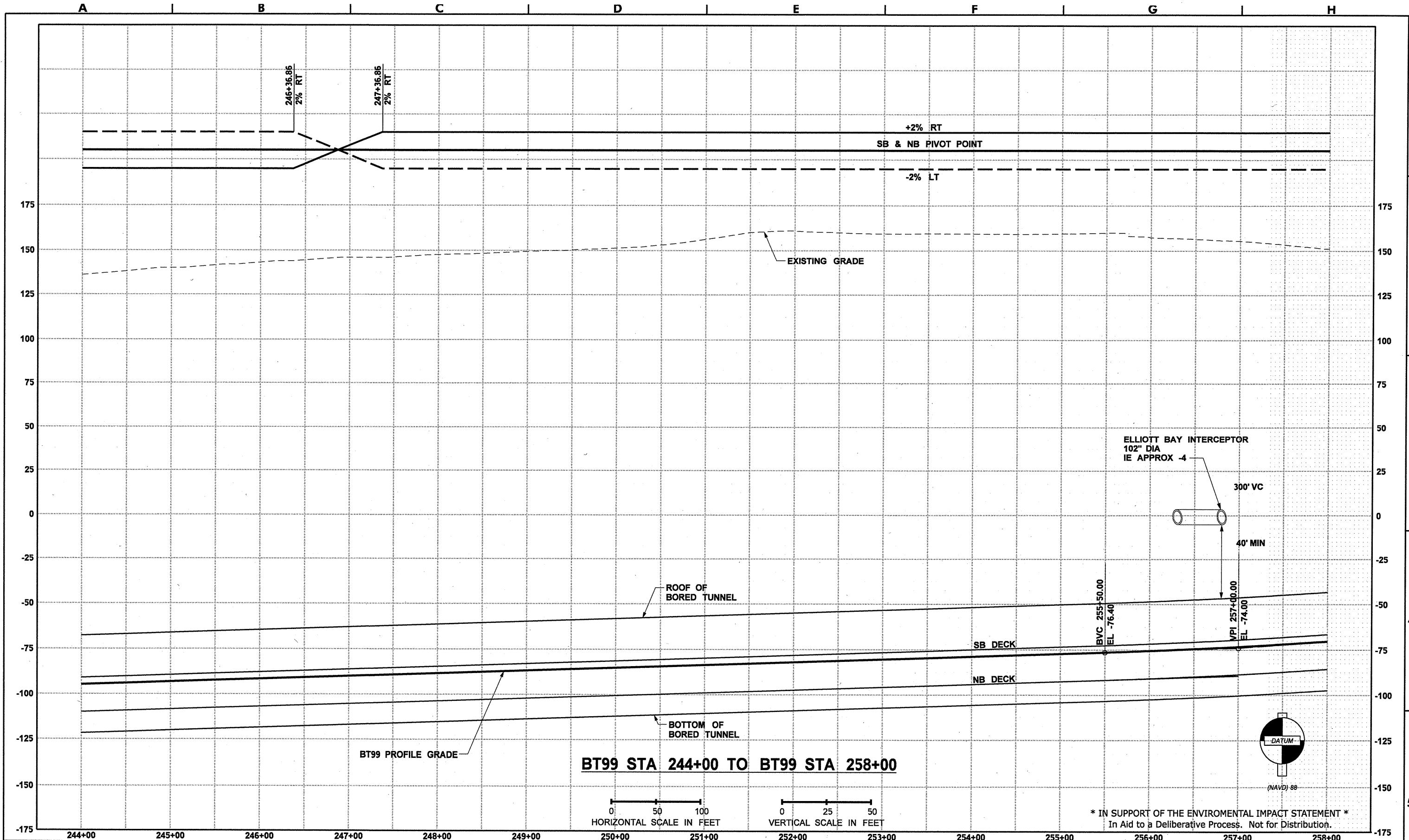
DRAFT
CONCEPTUAL DESIGN
 NOT FOR CONSTRUCTION



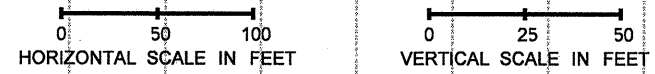
**ALASKAN WAY VIADUCT
 REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
ROADWAY PROFILE & SUPERELEVATION

CP007
 SHEET
 OF
 SHEETS

muellke



BT99 STA 244+00 TO BT99 STA 258+00



* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME	c:\aawork\pwwork\lawv\muellke\dms08251160073T00CQCP008.dwg		
TIME	1:06:47 PM		
DATE	2/5/2010		
PLOTTED BY	muellke		
DESIGNED BY	---		
ENTERED BY	H.WILLIAMS / A. SNIDER		
CHECKED BY	---		
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION		DATE	BY

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	
JOB NUMBER		
Y-9715		
CONTRACT NO.		
	LOCATION NO.	
	XL-2219	



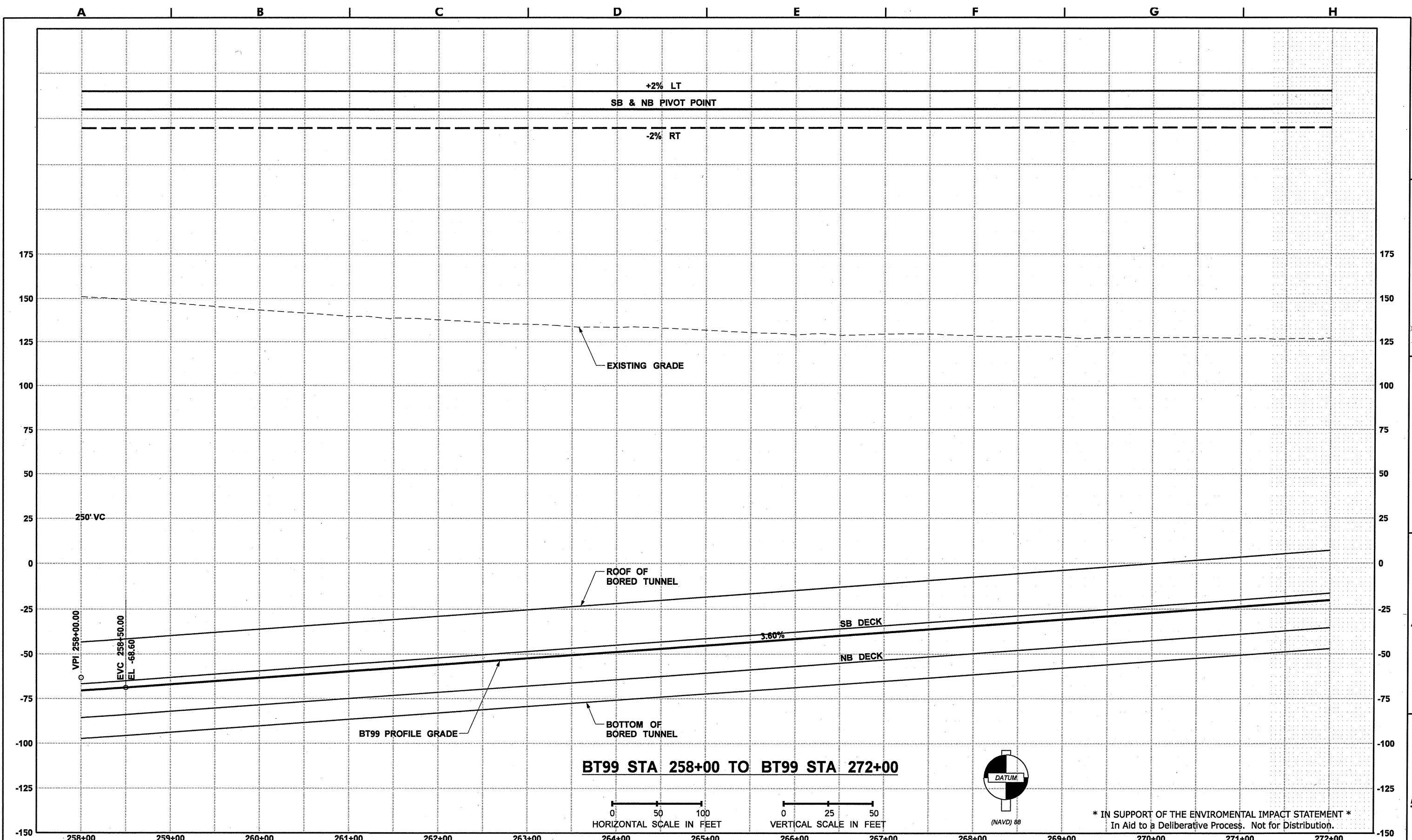
DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



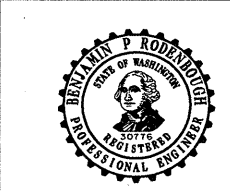
**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
ROADWAY PROFILE & SUPERELEVATION

CP008
SHEET
OF
SHEETS

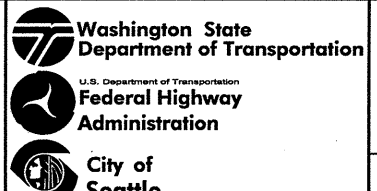
muellke



FILE NAME c:\aawork\pwwork\lawv\muellke\dms08251\160073T00CQCP009.dwg		REGION NO. 10	STATE WASH	FED. AID PROJ. NO.
TIME 1:06:51 PM		JOB NUMBER Y-9715		
DATE 2/5/2010		CONTRACT NO.	LOCATION NO. XL-2219	
PLOTTED BY muellke				
DESIGNED BY ---				
ENTERED BY H.WILLIAMS / A. SNIDER				
CHECKED BY ---				
PROJ. ENGR. S. EVERETT				
REGIONAL ADM. R. PAANANEN	REVISION	DATE	BY	



DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION

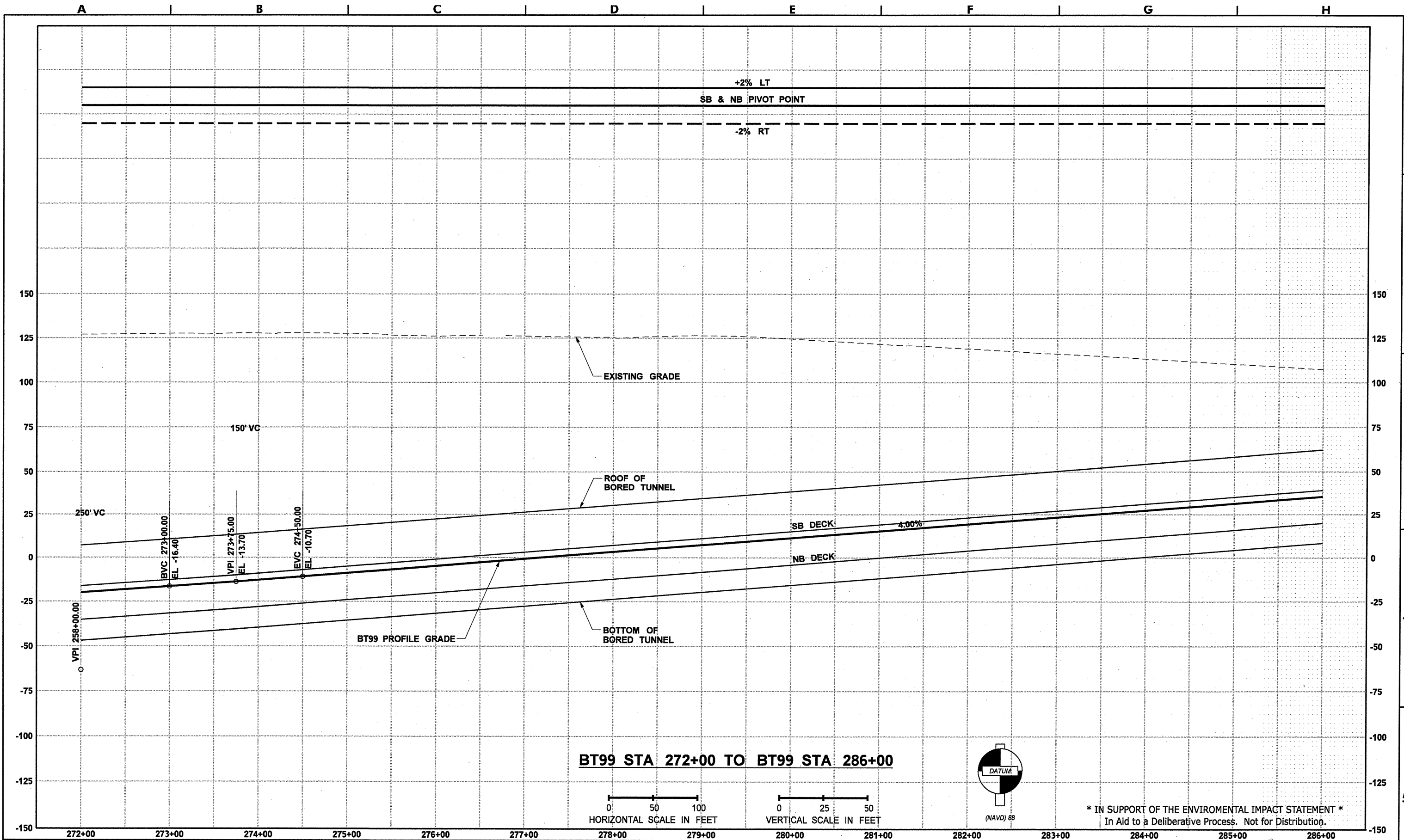


**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**
SR 99 BORED TUNNEL

ROADWAY PROFILE & SUPERELEVATION

CP009
SHEET OF SHEETS

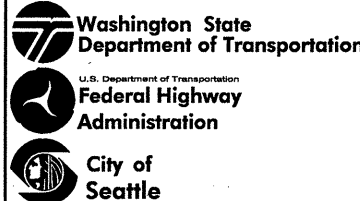
muellke



FILE NAME	c:\aawork\pwwork\lawv\muellek\dms08251160073T00CQCP010.dwg		
TIME	1:06:55 PM		
DATE	2/5/2010		
PLOTTED BY	muellike		
DESIGNED BY	---		
ENTERED BY	H.WILLIAMS / A. SNIDER		
CHECKED BY	---		
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	
REGION NO.	STATE	FED. AID PROJ. NO.	
10	WASH		
JOB NUMBER	Y-9715		
CONTRACT NO.			
LOCATION NO.	XL-2219		



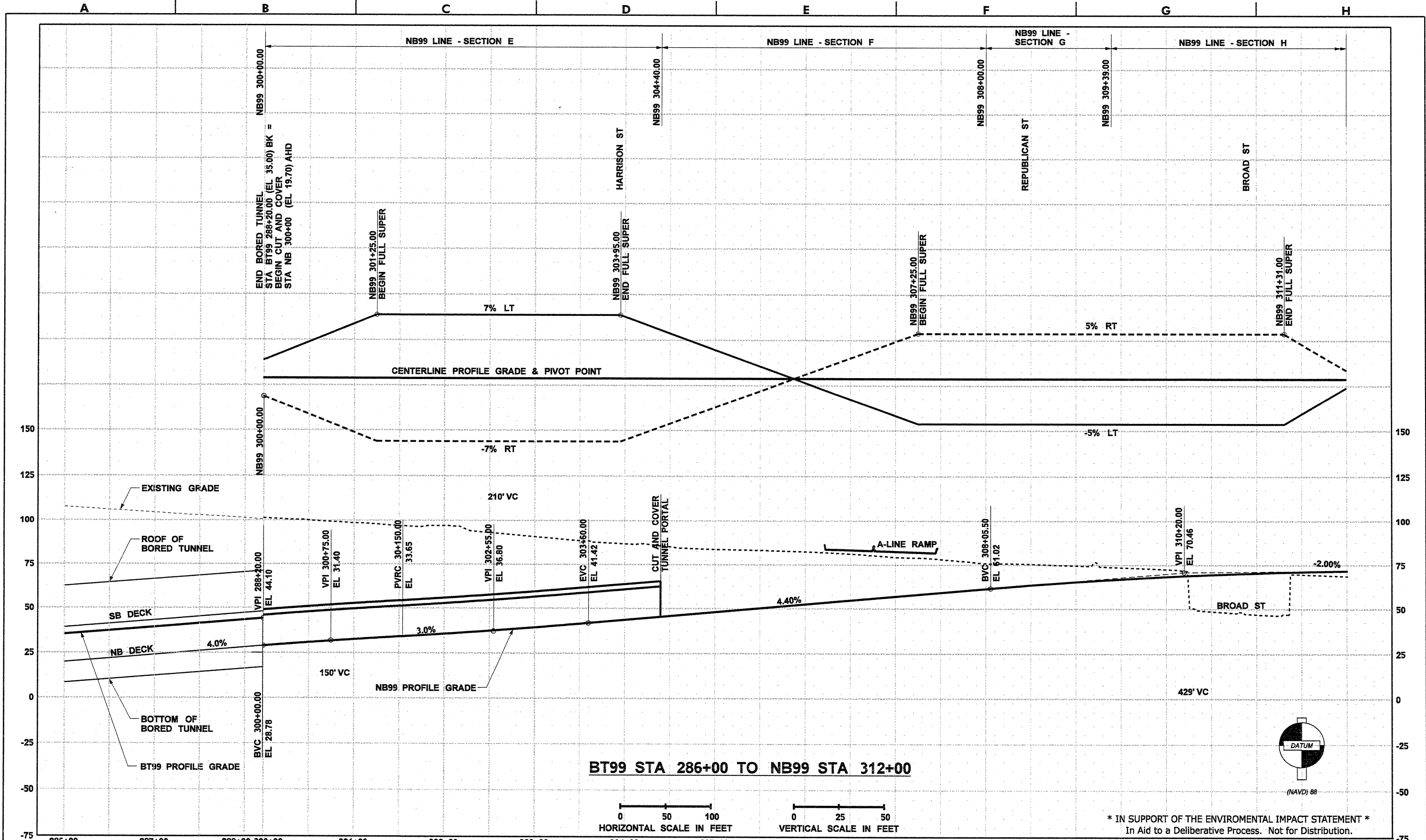
DRAFT
CONCEPTUAL DESIGN
 NOT FOR CONSTRUCTION



**ALASKAN WAY VIADUCT
 REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
ROADWAY PROFILE & SUPERELEVATION

CP010
 SHEET
 OF
 SHEETS

muellike



* IN SUPPORT OF THE ENVIROMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME	c:\aawork\pwwork\lav\crosies\dms08251\160073T00CQP011.dlv		
TIME	4:07:04 PM		
DATE	2/4/2010		
PLOTTED BY	crosies		
DESIGNED BY	-		
ENTERED BY	H.WILLIAMS / A. SNIDER		
CHECKED BY	-		
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	
JOB NUMBER	Y-9715	
CONTRACT NO.	LOCATION NO. XL-2219	



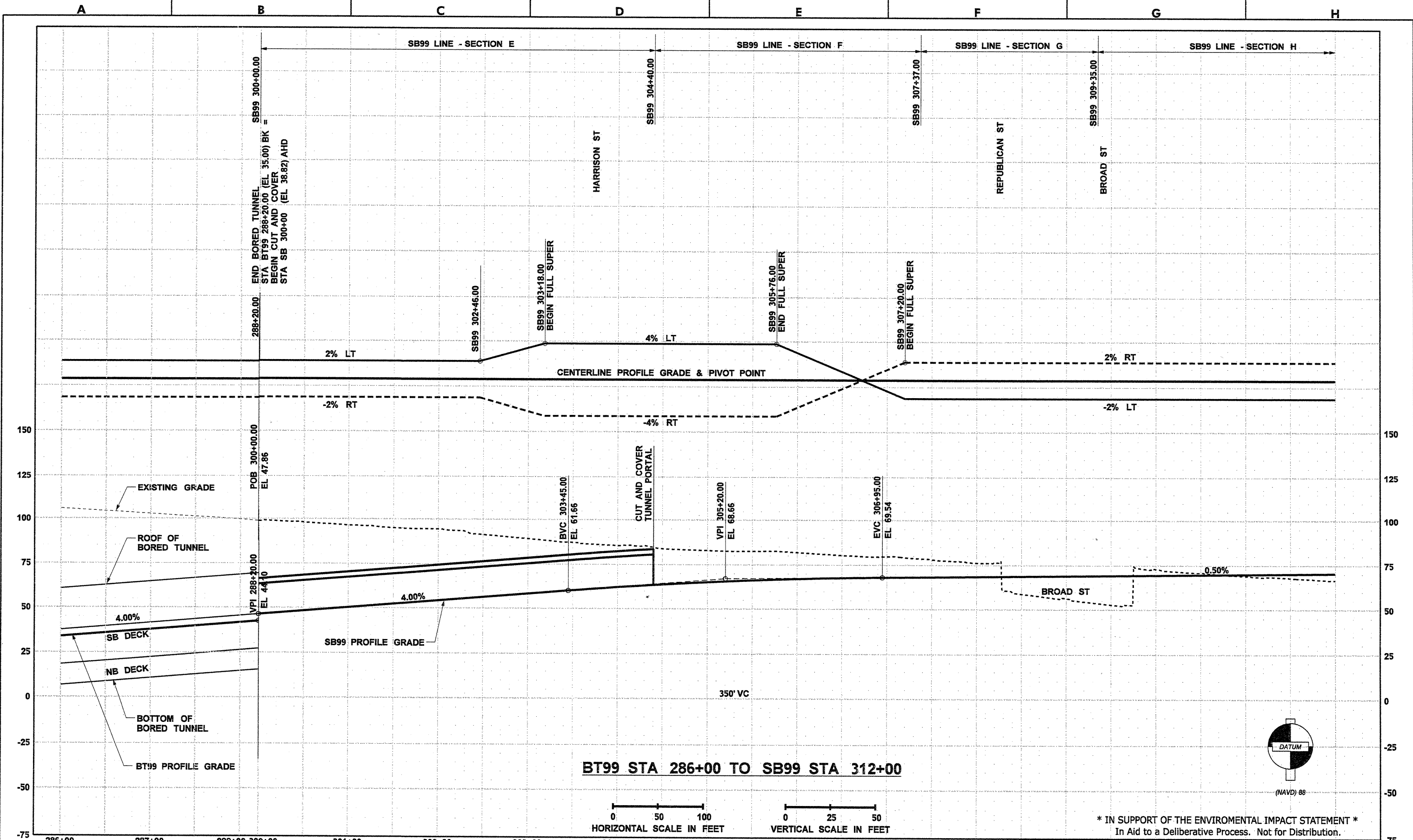
DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL
ROADWAY PROFILE & SUPERELEVATION

CP011
SHEET OF SHEETS

crosies



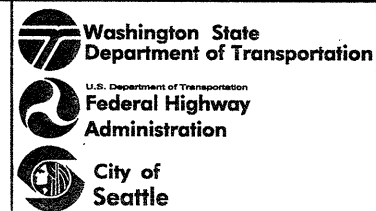
* IN SUPPORT OF THE ENVIROMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME	c:\aawork\pwwork\lavv\crosies\dms08251\160073T00CQP012.dlv		
TIME	4:08:29 PM		
DATE	2/4/2010		
PLOTTED BY	crosies		
DESIGNED BY	—		
ENTERED BY	H.WILLIAMS / A. SNIDER		
CHECKED BY	—		
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	
JOB NUMBER	LOCATION NO.	
Y-9715	XL-2219	
CONTRACT NO.		



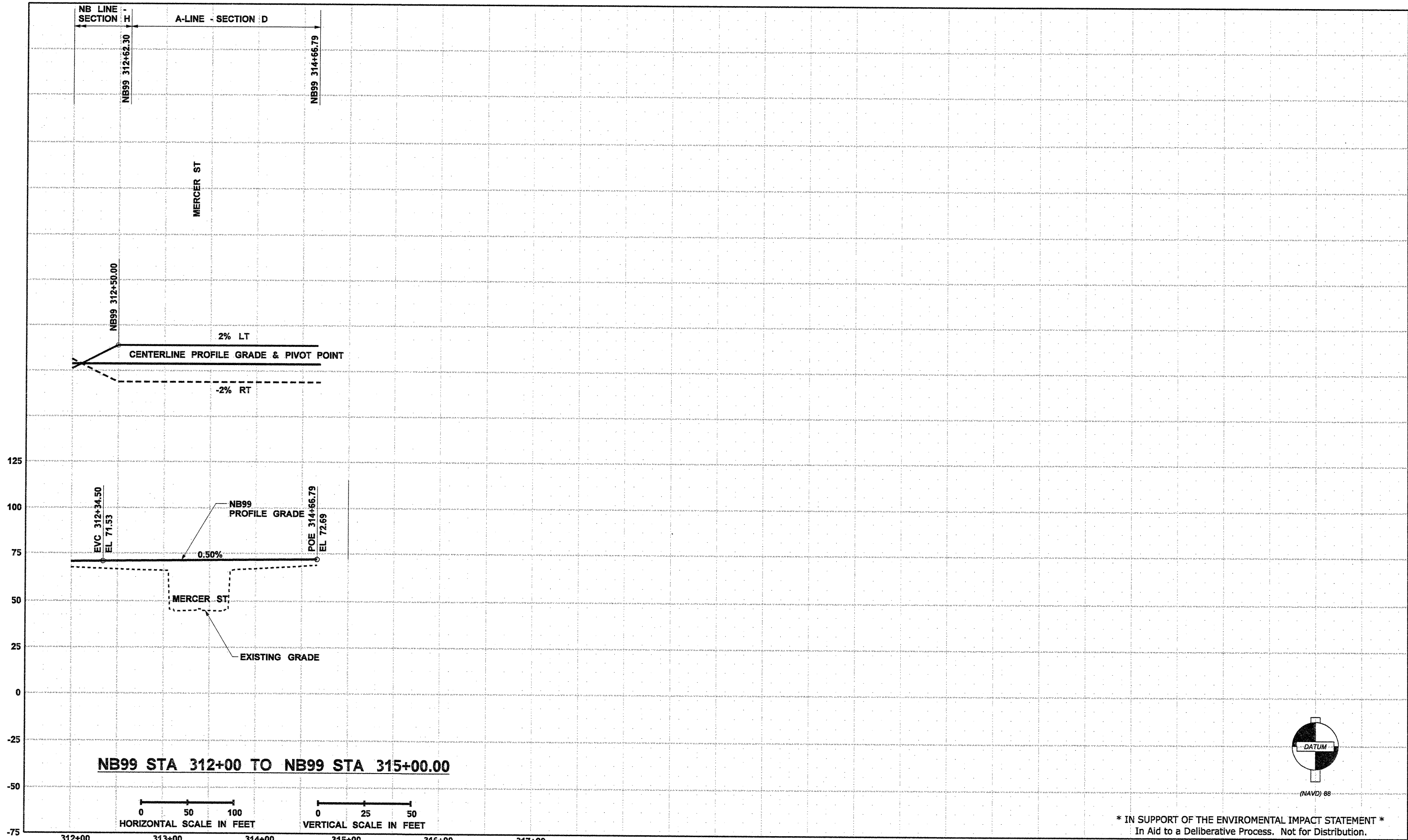
DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL
ROADWAY PROFILE & SUPERELEVATION

CP012
SHEET OF SHEETS

crosies



* IN SUPPORT OF THE ENVIROMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME c:\aawork\pwwork\law\crosies\dms08251160073T00CQCP013.dwg			
TIME 3:27:28 PM			
DATE 2/4/2010			
PLOTTED BY crosies			
DESIGNED BY			
ENTERED BY H.WILLIAMS / A. SNIDER			
CHECKED BY			
PROJ. ENGR. S. EVERETT			
REGIONAL ADM. R. PAANANEN	REVISION	DATE	BY

REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
JOB NUMBER Y-9715		
CONTRACT NO.		LOCATION NO. XL-2219



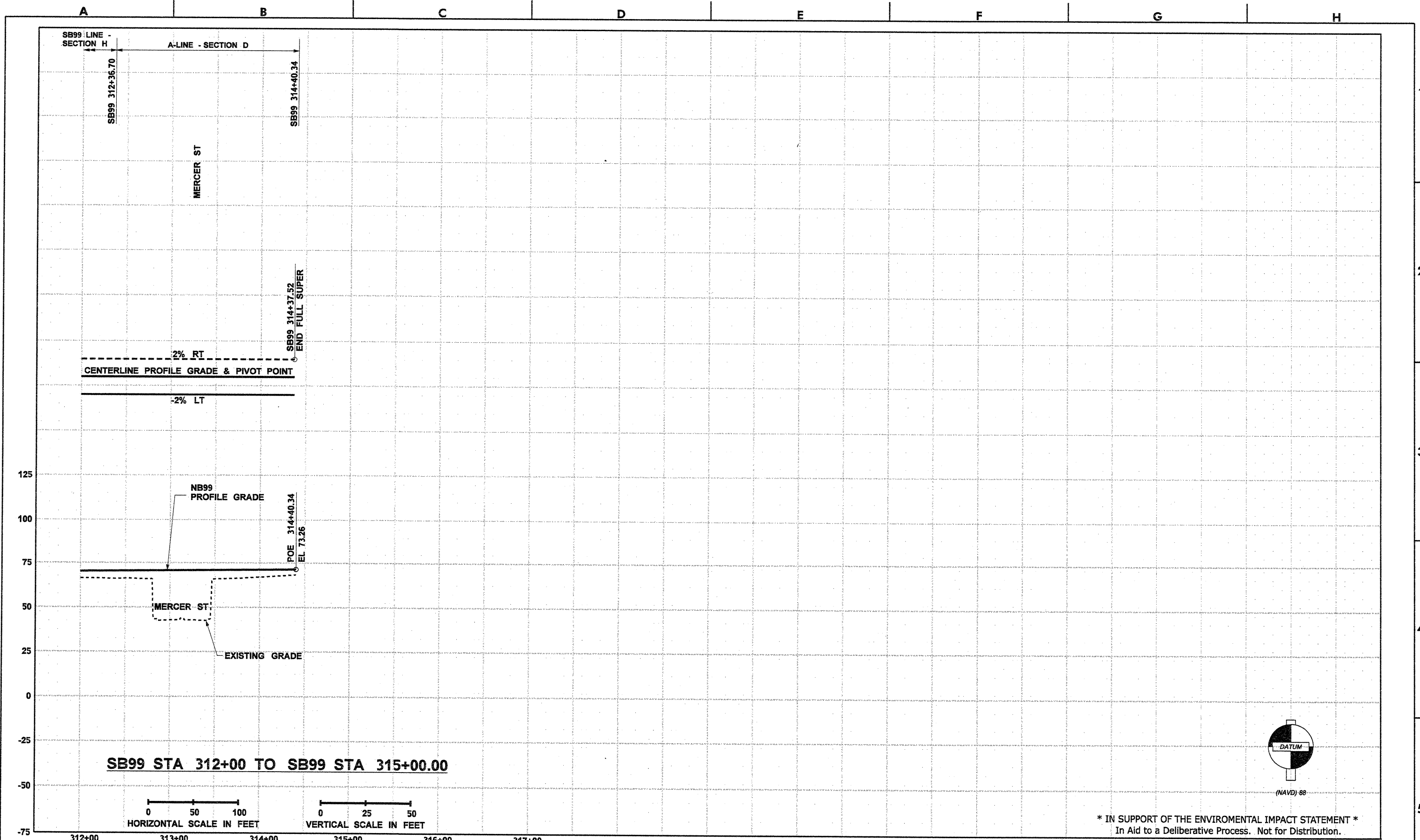
DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL
ROADWAY PROFILE & SUPERELEVATION

CP013
SHEET OF SHEETS

crosies



SB99 STA 312+00 TO SB99 STA 315+00.00



* IN SUPPORT OF THE ENVIROMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME	c:\aawork\pwwork\aw\crosies\dms08251160073T00CQCP014.dlv		
TIME	3:28:00 PM		
DATE	2/4/2010		
PLOTTED BY	crosies		
DESIGNED BY	---		
ENTERED BY	H.WILLIAMS / A. SNIDER		
CHECKED BY	---		
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	
JOB NUMBER	Y-9715	
CONTRACT NO.	LOCATION NO.	
	XL-2219	



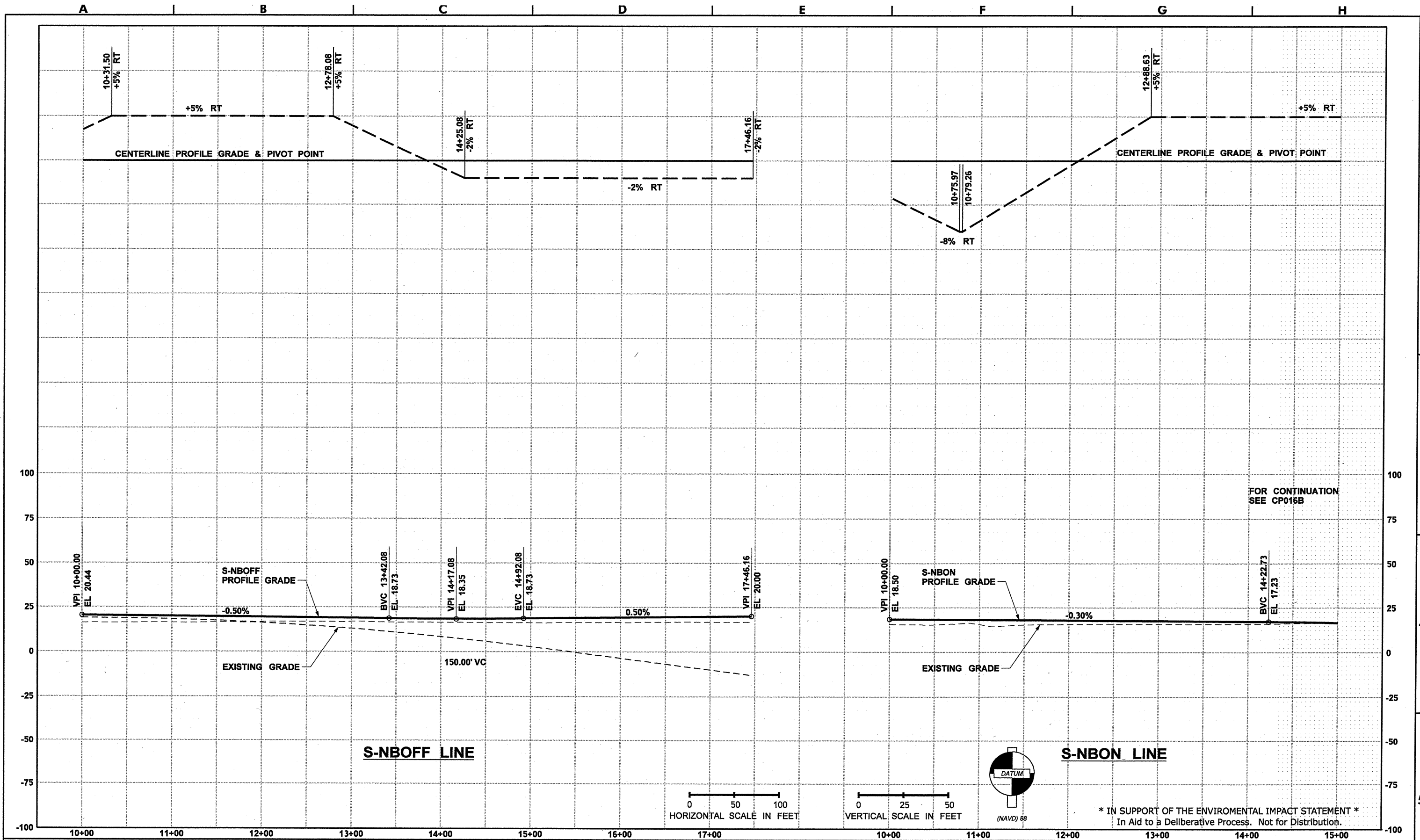
DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL
ROADWAY PROFILE & SUPERELEVATION

CP014
SHEET OF SHEETS

crosies



FILE NAME		c:\aawork\pwwork\law\muuelle\k\dms08251160073T00CQCP015B.dwg	
TIME	1:07:17 PM	REGION NO.	10
DATE	2/5/2010	STATE	WASH
PLOTTED BY	muellike	JOB NUMBER	Y-9715
DESIGNED BY	---	CONTRACT NO.	
ENTERED BY	H.WILLIAMS / A. SNIDER	FED. AID PROJ. NO.	
CHECKED BY	---	LOCATION NO.	XL-2219
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN	REVISION	DATE BY

DRAFT

CONCEPTUAL DESIGN

NOT FOR CONSTRUCTION

Washington State
Department of Transportation

U.S. Department of Transportation
Federal Highway
Administration

City of
Seattle

**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**

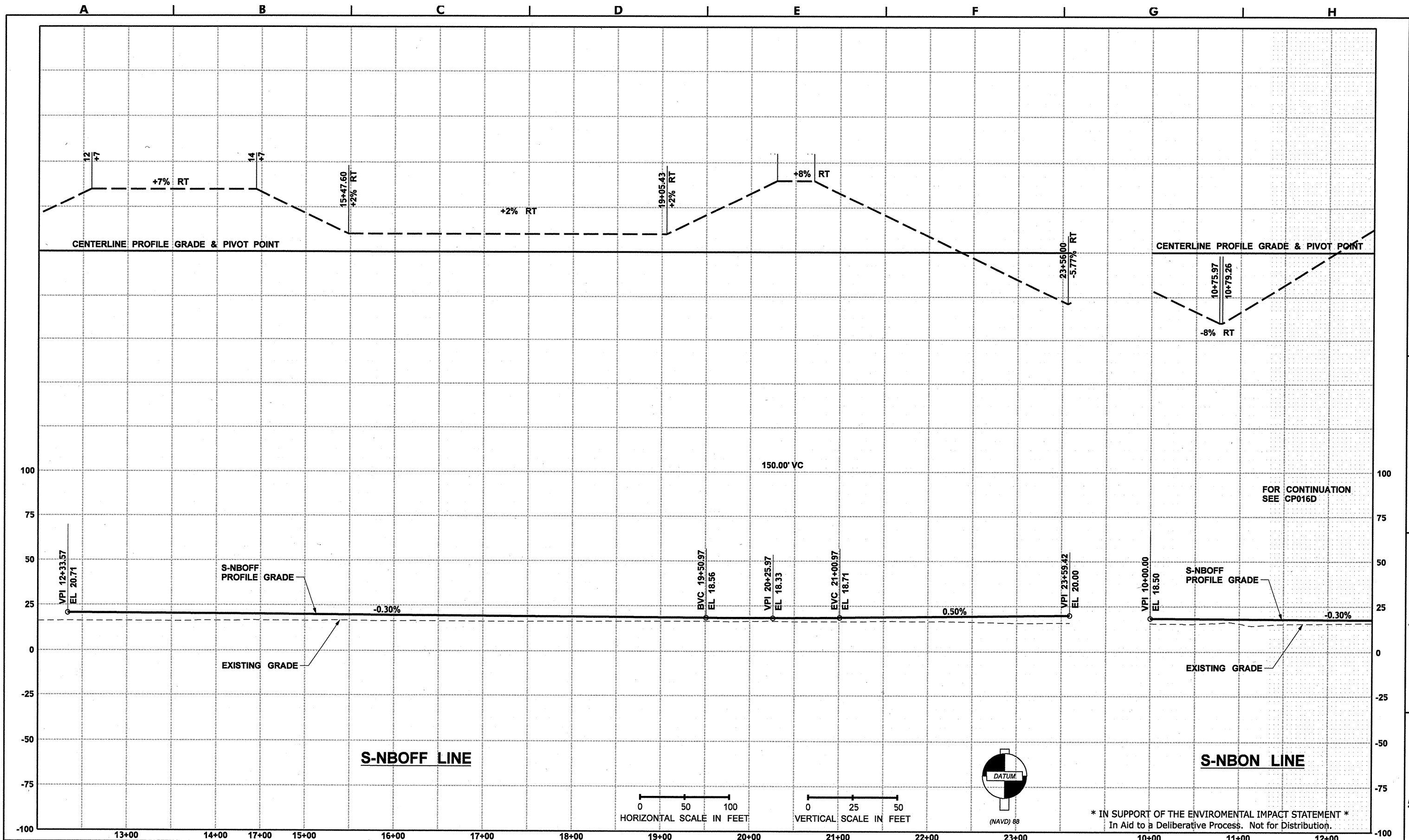
SR 99 BORED TUNNEL

**OPTION B
ROADWAY PROFILE & SUPERELEVATION**

CP015B

SHEET
OF
SHEETS

muellike



FILE NAME	c:\aawork\pwwork\law\muuellek\dms08251\160073T00CQCP015D.dwg		
TIME	1:07:21 PM		
DATE	2/5/2010		
PLOTTED BY	muellike		
DESIGNED BY	---		
ENTERED BY	H.WILLIAMS / A. SNIDER		
CHECKED BY	---		
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	
REGION	STATE	FED. AID PROJ. NO.	
10	WASH		
JOB NUMBER	Y-9715		
CONTRACT NO.			
LOCATION NO.	XL-2219		



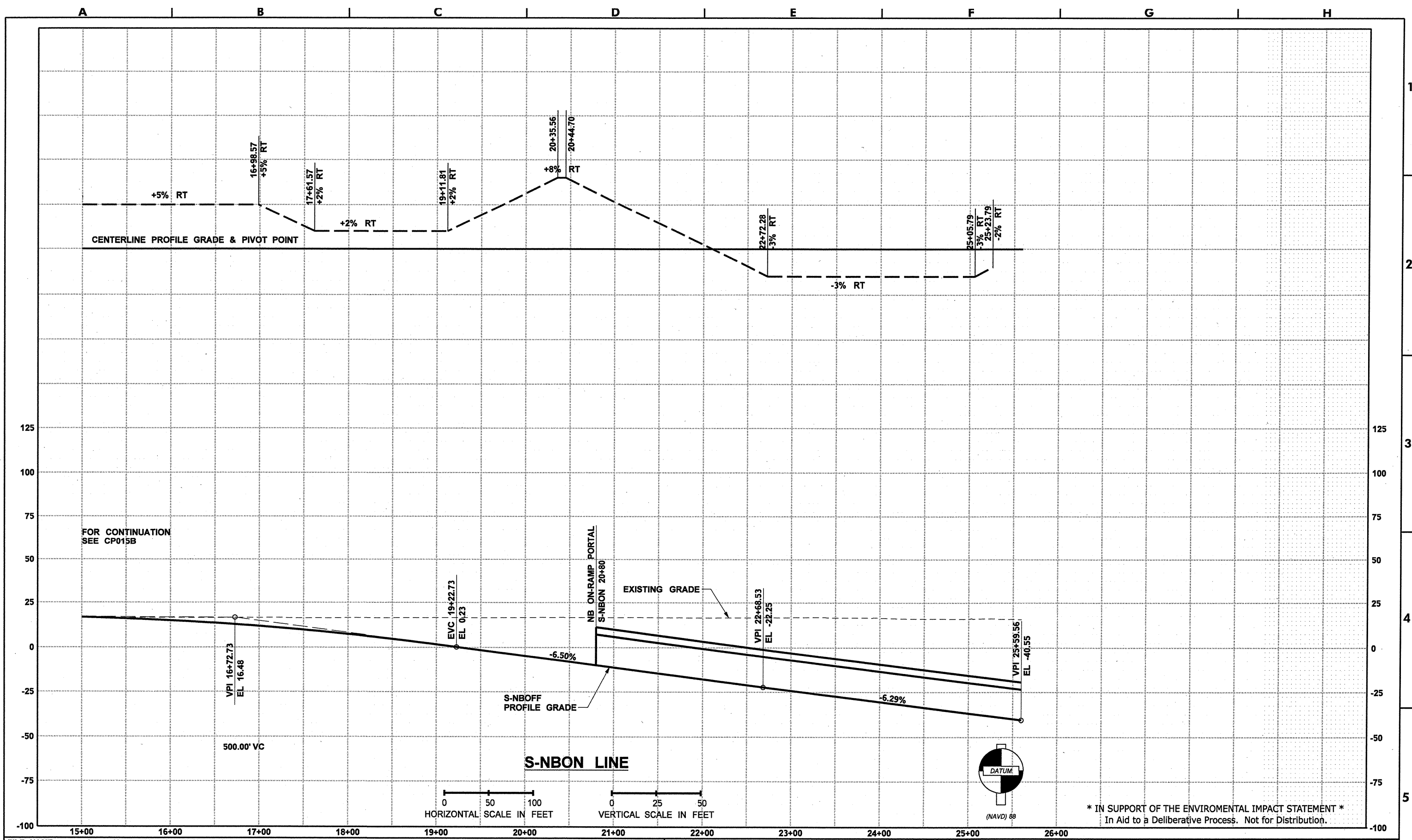
DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



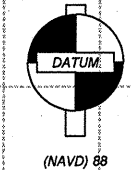
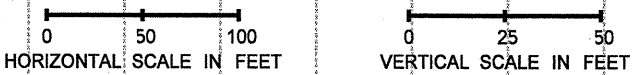
ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL
OPTION D ROADWAY PROFILE & SUPERELEVATION

CP015D
SHEET OF SHEETS

muellike



FOR CONTINUATION
SEE CP015B



* IN SUPPORT OF THE ENVIROMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME		c:\aawork\pwwork\law\muuelle\k\dms08251160073T00CQCP016B.dwg	
TIME	1:07:25 PM	REGION NO.	10
DATE	2/5/2010	STATE	WASH
PLOTTED BY	muellike	FED. AID PROJ. NO.	
DESIGNED BY	---	JOB NUMBER	Y-9715
ENTERED BY	H.WILLIAMS / A. SNIDER	CONTRACT NO.	
CHECKED BY	---	LOCATION NO.	XL-2219
PROJ. ENGR.	S. EVERETT	REVISION	
REGIONAL ADM.	R. PAANANEN	DATE	
		BY	



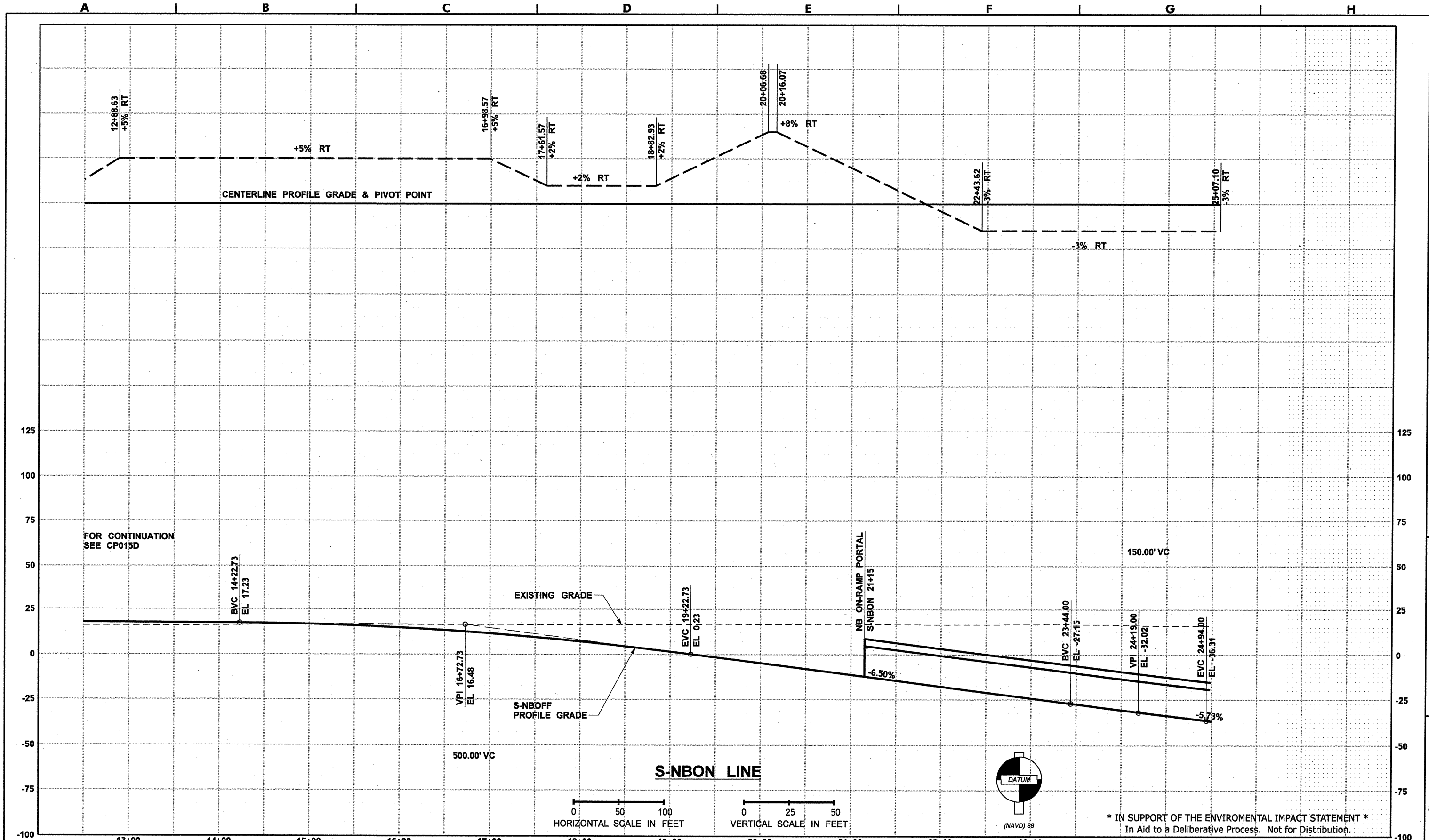
DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
**OPTION B
ROADWAY PROFILE & SUPERELEVATION**

CP016B
SHEET
OF
SHEETS

muellike



* IN SUPPORT OF THE ENVIROMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME	c:\aawork\pwwork\law\muuelle\k\dms08251160073T00CQCP016D.dwg		
TIME	1:07:29 PM		
DATE	2/5/2010		
PLOTTED BY	muellke		
DESIGNED BY	---		
ENTERED BY	H.WILLIAMS / A. SNIDER		
CHECKED BY	---		
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	
JOB NUMBER		LOCATION NO.
Y-9715		XL-2219
CONTRACT NO.		



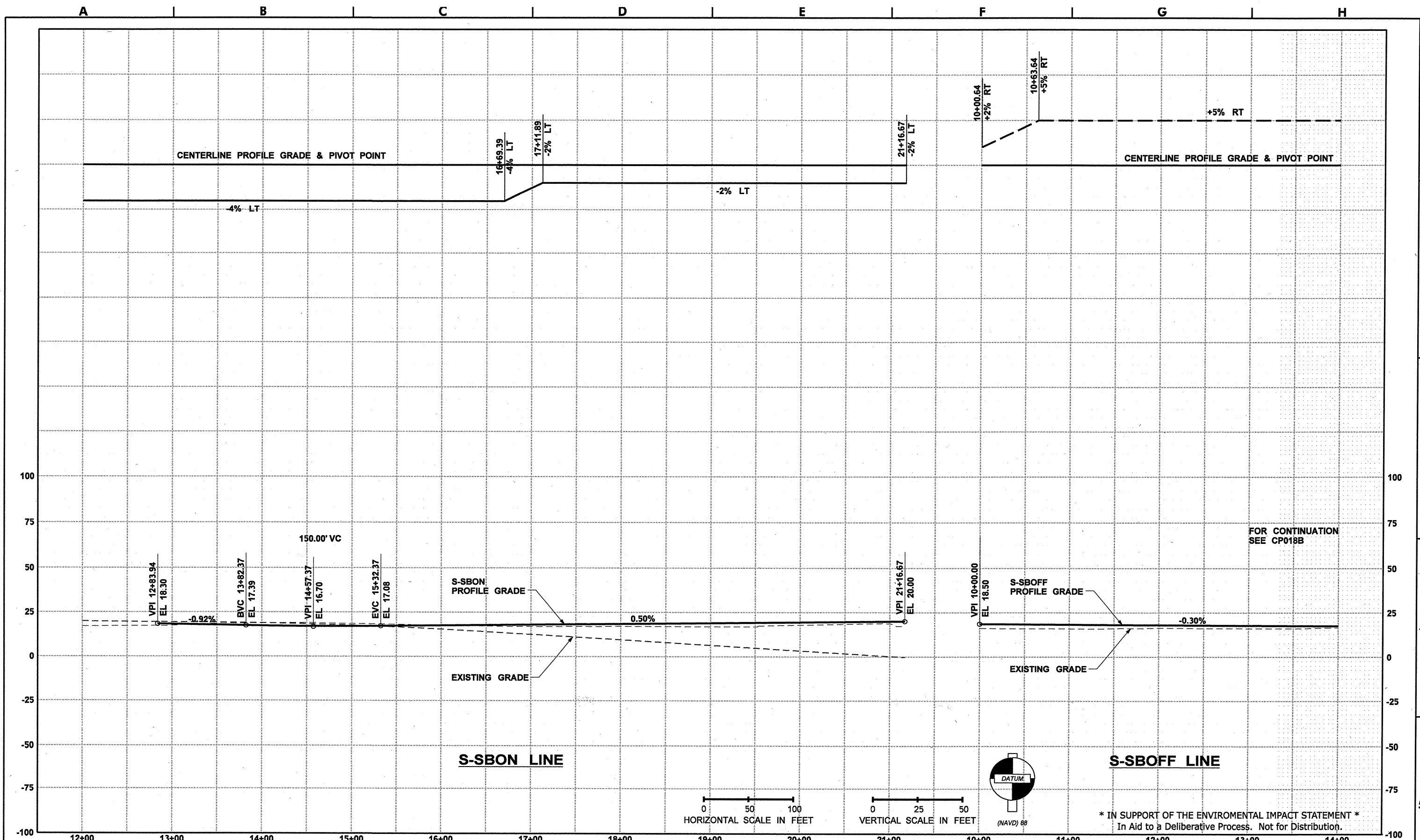
DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



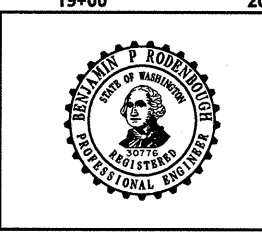
ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL
OPTION D ROADWAY PROFILE & SUPERELEVATION

CP016D
SHEET OF SHEETS

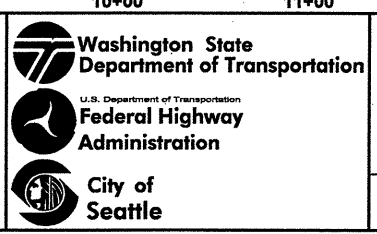
muellke



FILE NAME		c:\aawork\pwwork\law\muuelle\k\dms08251160073T00CQCP017B.dwg	
TIME	1:07:33 PM	REGION NO.	10
DATE	2/5/2010	STATE	WASH
PLOTTED BY	muellike	JOB NUMBER	Y-9715
DESIGNED BY	---	CONTRACT NO.	---
ENTERED BY	H.WILLIAMS / A. SNIDER	FED. AID PROJ. NO.	---
CHECKED BY	---	LOCATION NO.	XL-2219
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN	REVISION	DATE BY



DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**

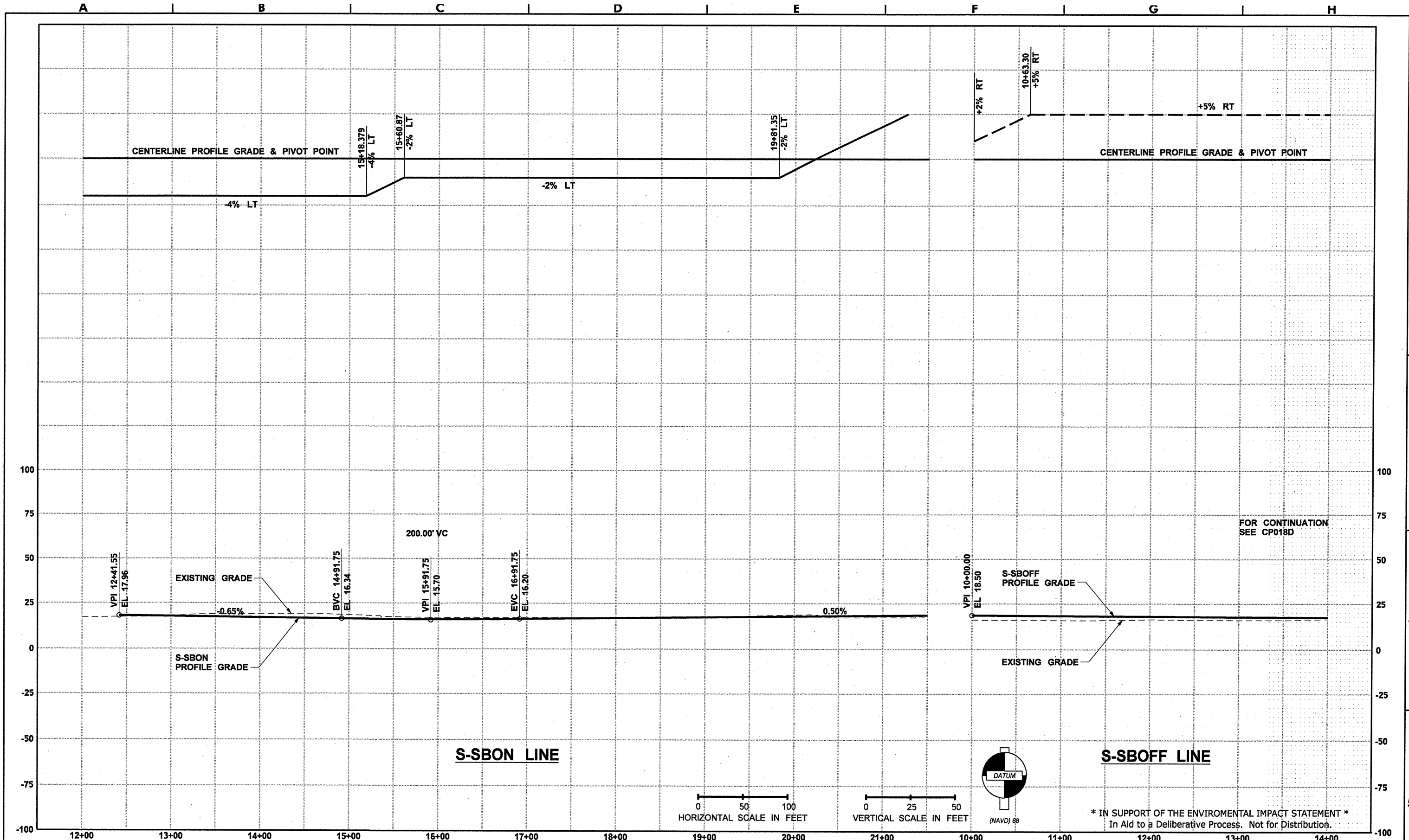
SR 99 BORED TUNNEL

**OPTION B
ROADWAY PROFILE & SUPERELEVATION**

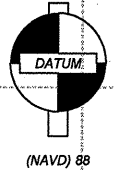
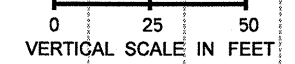
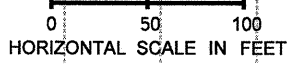
CP017B

SHEET OF SHEETS

muellike



FILE NAME	c:\aawork\pwwork\law\muuelle\k\dms08251160073T00CQCP017D.dwg		
TIME	1:07:37 PM		
DATE	2/5/2010		
PLOTTED BY	muellke		
DESIGNED BY	---		
ENTERED BY	H.WILLIAMS / A. SNIDER		
CHECKED BY	---		
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	
REGION NO.	STATE	FED. AID PROJ. NO.	
10	WASH		
JOB NUMBER	LOCATION NO.		
Y-9715	XL-2219		
CONTRACT NO.			



DRAFT
CONCEPTUAL DESIGN
 NOT FOR CONSTRUCTION

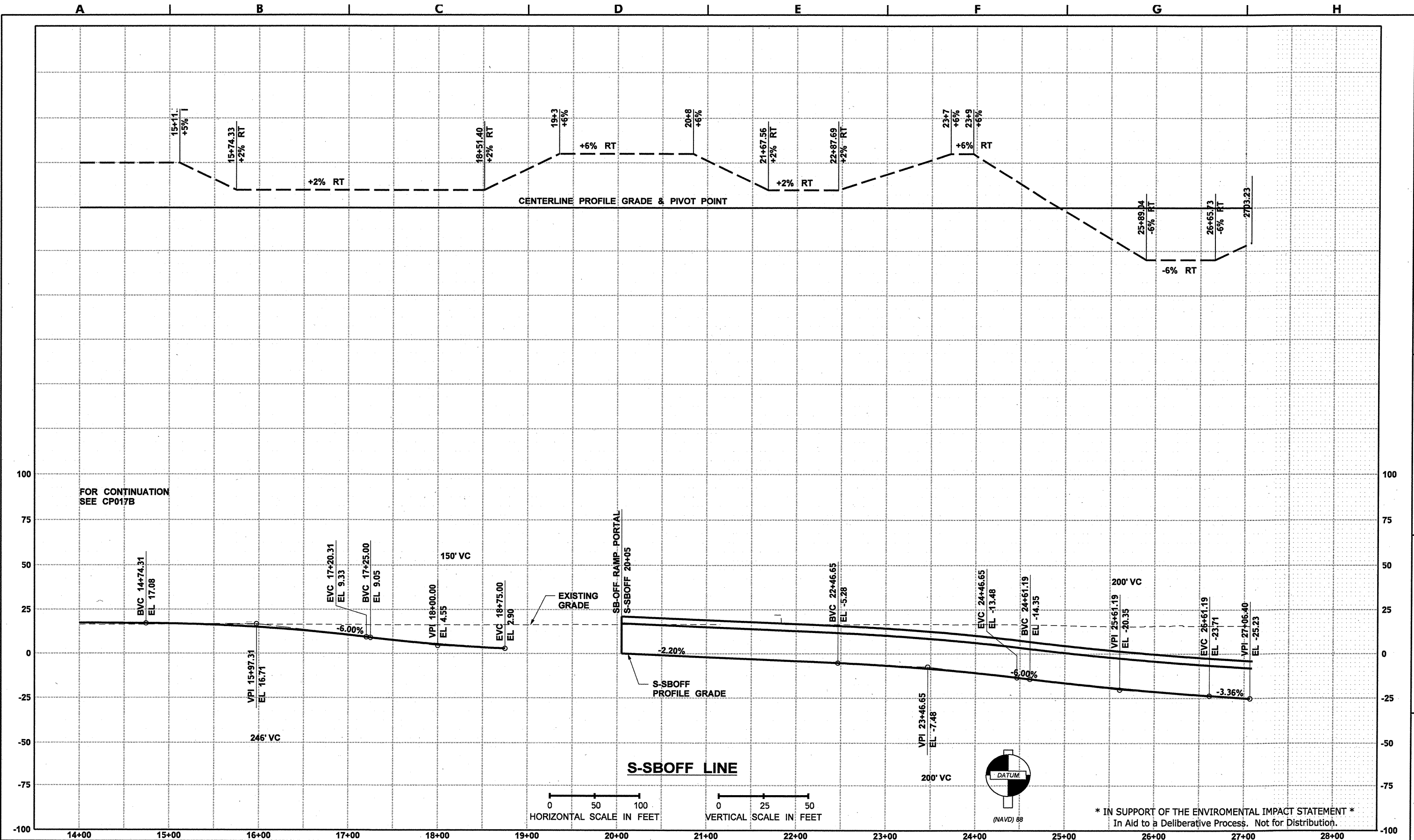


* IN SUPPORT OF THE ENVIROMENTAL IMPACT STATEMENT *
 In Aid to a Deliberative Process. Not for Distribution.

**ALASKAN WAY VIADUCT
 REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
OPTION D
ROADWAY PROFILE & SUPERELEVATION

CP017D
 SHEET
 OF
 SHEETS

muellke



FOR CONTINUATION
SEE CP017B

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME	c:\aawork\pwwork\law\muuelle\k\dms08251160073T00CQCP018B.dwg		
TIME	1:07:41 PM		
DATE	2/5/2010		
PLOTTED BY	muellike		
DESIGNED BY	---		
ENTERED BY	H.WILLIAMS / A. SNIDER		
CHECKED BY	---		
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION		DATE	BY

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	
JOB NUMBER		
Y-9715		
CONTRACT NO.		

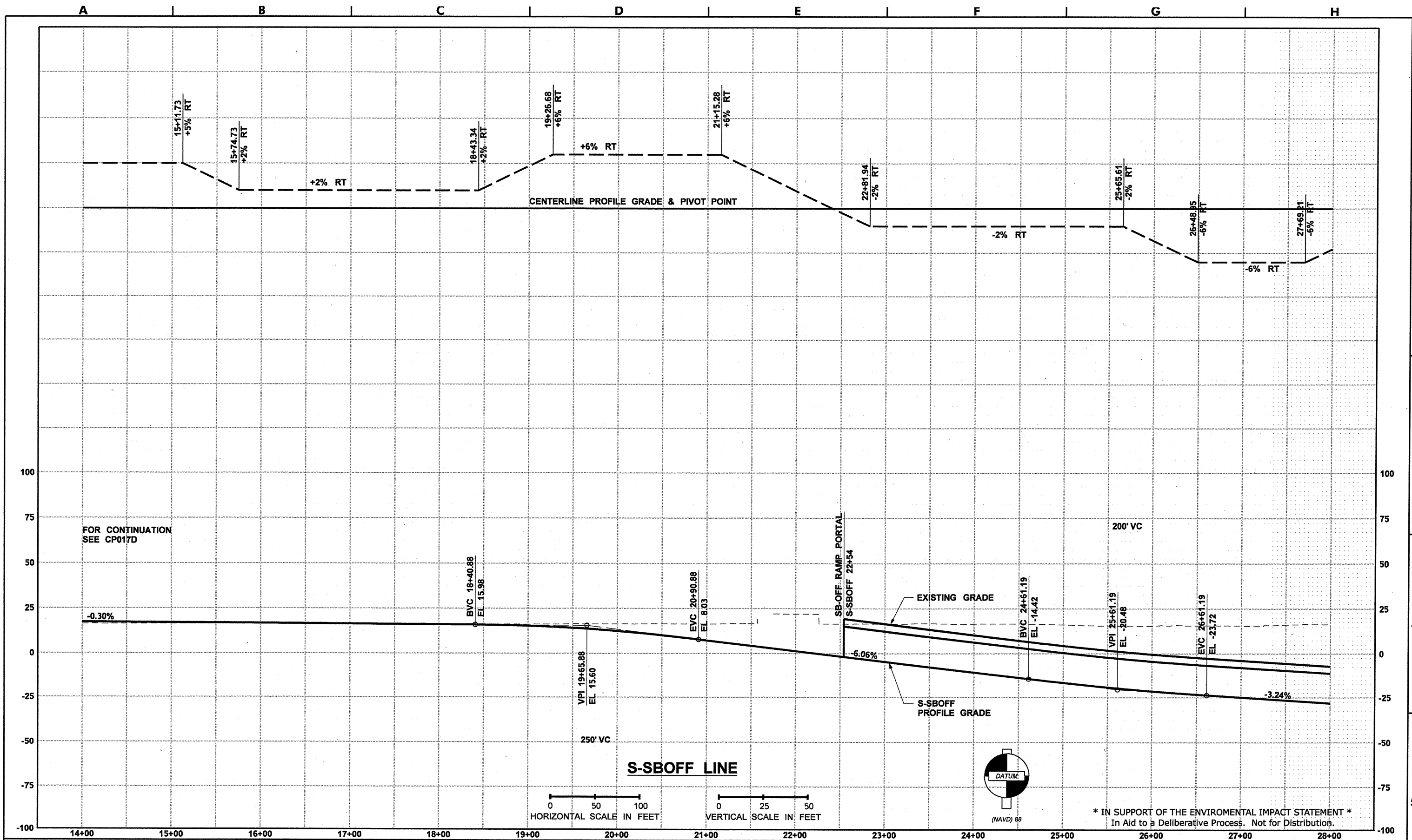


DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
**OPTION B
ROADWAY PROFILE & SUPERELEVATION**

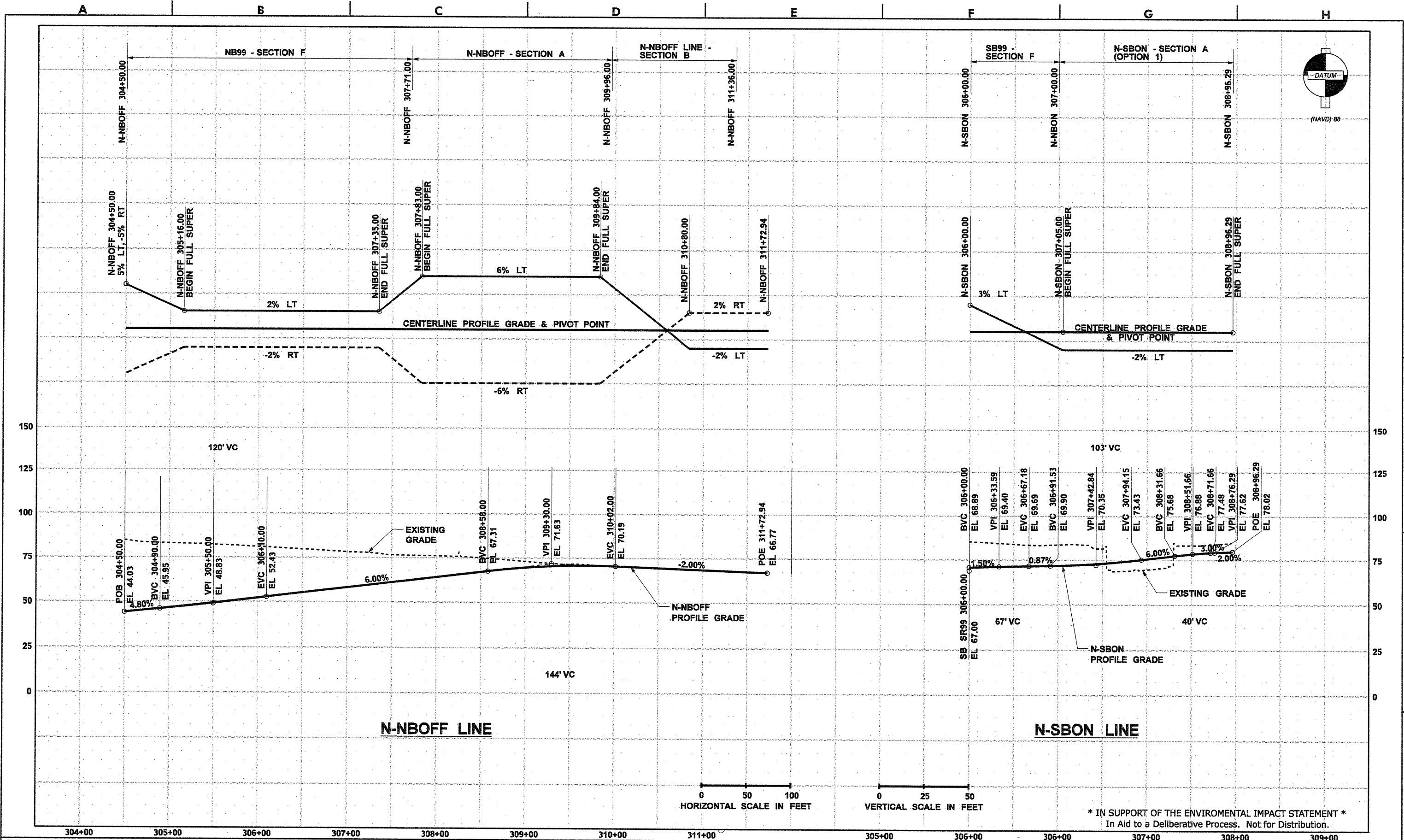
CP018B
SHEET
OF
SHEETS



FILE NAME: c:\aawork\pwwork\law\muuelle\k\dms08251160073T00CQCP018D.dlv		REGION NO. 10	STATE WASH	FED. AID PROJ. NO.		*DRAFT* CONCEPTUAL DESIGN NOT FOR CONSTRUCTION	 Washington State Department of Transportation U.S. Department of Transportation Federal Highway Administration City of Seattle	ALASKAN WAY VIADUCT REPLACEMENT PROJECT SR 99 BORED TUNNEL OPTION D ROADWAY PROFILE & SUPERELEVATION	CP018D SHEET OF SHEETS
TIME: 1:07:46 PM	DATE: 2/5/2010	JOB NUMBER: Y-9715	LOCATION NO.: XL-2219						
PLOTTED BY: muellike	DESIGNED BY: ---	ENTERED BY: H.WILLIAMS / A. SNIDER	CHECKED BY: ---	PROJ. ENGR.: S. EVERETT	REGIONAL ADM.: R. PAANANEN	REVISION	DATE	BY	

muellike

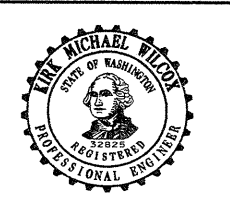
* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
 In Aid of a Deliberative Process. Not for Distribution.



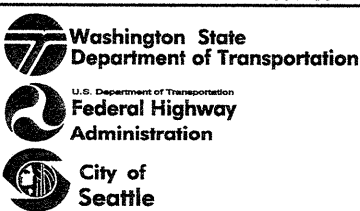
FILE NAME	c:\aawork\pwork\law\vcrosies\dms08251160073T00CQCP019.dlv		
TIME	3:20:03 PM		
DATE	2/4/2010		
PLOTTED BY	crosies		
DESIGNED BY	—		
ENTERED BY	H.WILLIAMS / A. SNIDER		
CHECKED BY	—		
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		

REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER	LOCATION NO.	
Y-9715	XL-2219	
CONTRACT NO.		



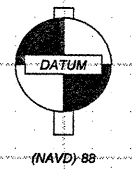
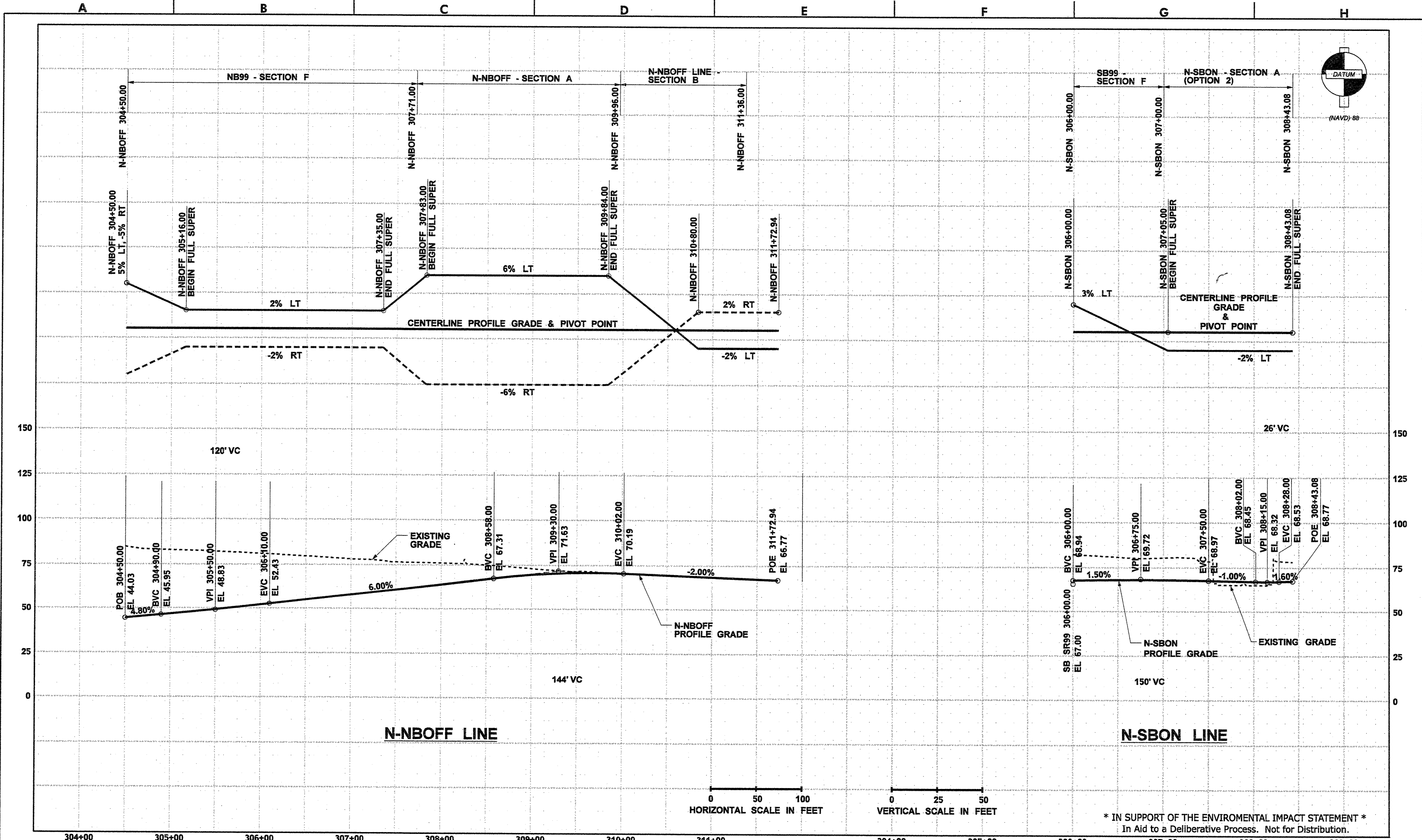
DRAFT
CONCEPTUAL DESIGN
 NOT FOR CONSTRUCTION



* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
 In Aid to a Deliberative Process. Not for Distribution.

ALASKAN WAY VIADUCT REPLACEMENT PROJECT SR 99 BORED TUNNEL OPTION 1 ROADWAY PROFILE & SUPERELEVATION	CP019 SHEET OF SHEETS
---	---------------------------------------

crosies



HORIZONTAL SCALE IN FEET: 0, 50, 100
 VERTICAL SCALE IN FEET: 0, 25, 50

* IN SUPPORT OF THE ENVIROMENTAL IMPACT STATEMENT *
 In Aid to a Deliberative Process. Not for Distribution.

FILE NAME	c:\aawork\pwork\lav\crosies\dms08251\160073T00CQCP020.dwg		
TIME	3:20:50 PM		
DATE	2/4/2010		
PLOTTED BY	crosies		
DESIGNED BY	---		
ENTERED BY	H.WILLIAMS / A. SNIDER		
CHECKED BY	---		
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	
JOB NUMBER	LOCATION NO.	
Y-9715	XL-2219	
CONTRACT NO.		



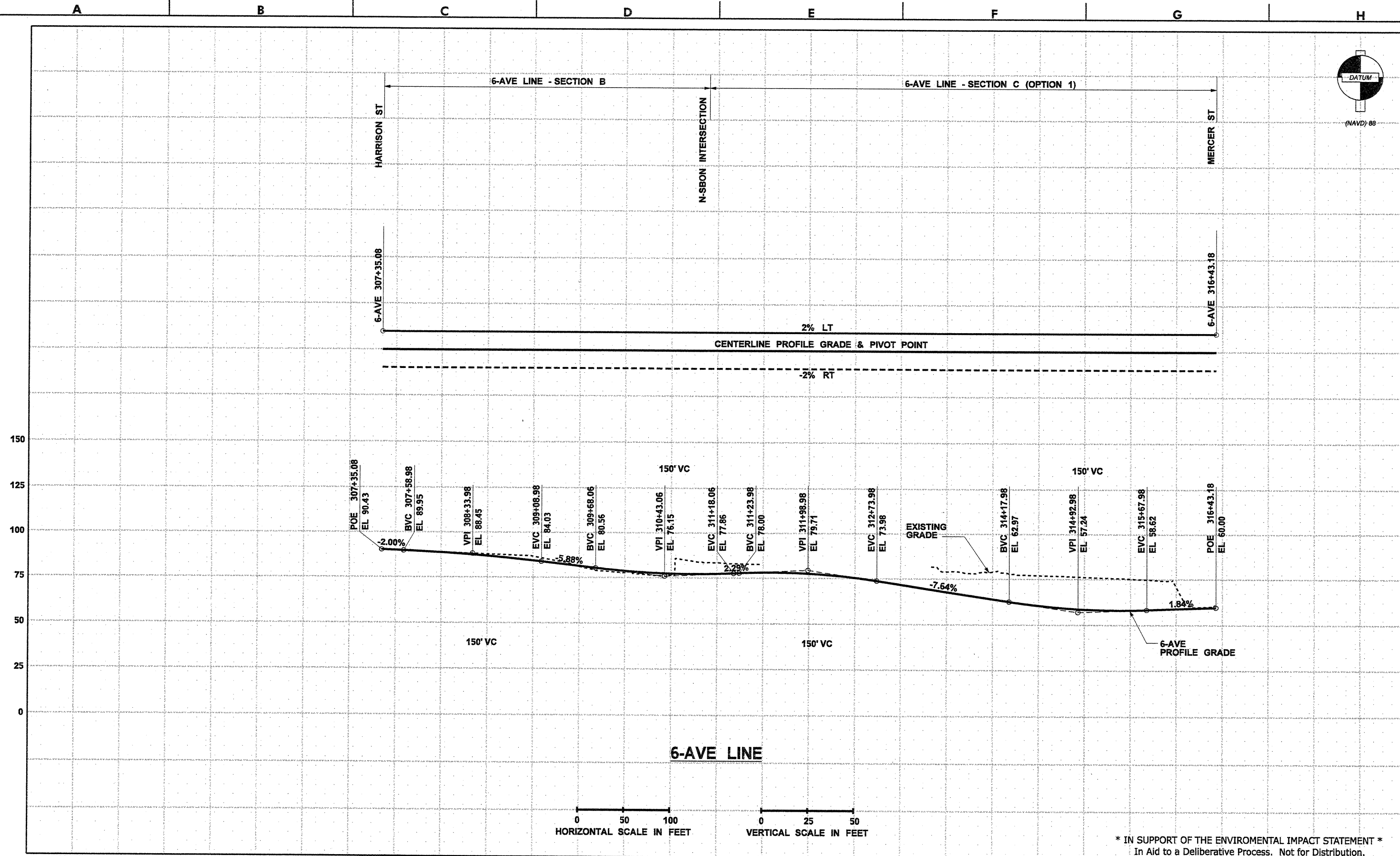
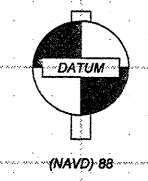
DRAFT
CONCEPTUAL DESIGN
 NOT FOR CONSTRUCTION



ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL
OPTION 2 ROADWAY PROFILE & SUPERELEVATION

CP020
 SHEET OF SHEETS

crosies



HORIZONTAL SCALE IN FEET: 0 50 100
 VERTICAL SCALE IN FEET: 0 25 50

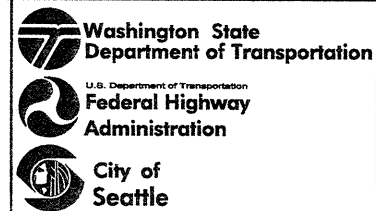
* IN SUPPORT OF THE ENVIROMENTAL IMPACT STATEMENT *
 In Aid to a Deliberative Process. Not for Distribution.

FILE NAME	c:\aawork\pwwork\law\crosies\dms08251\160073T00CQCP021.dlv		
TIME	3:21:26 PM		
DATE	2/4/2010		
PLOTTED BY	crosles		
DESIGNED BY	-		
ENTERED BY	H.WILLIAMS / A. SNIDER		
CHECKED BY	-		
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	
JOB NUMBER	LOCATION NO.	
Y-9715	XL-2219	
CONTRACT NO.		



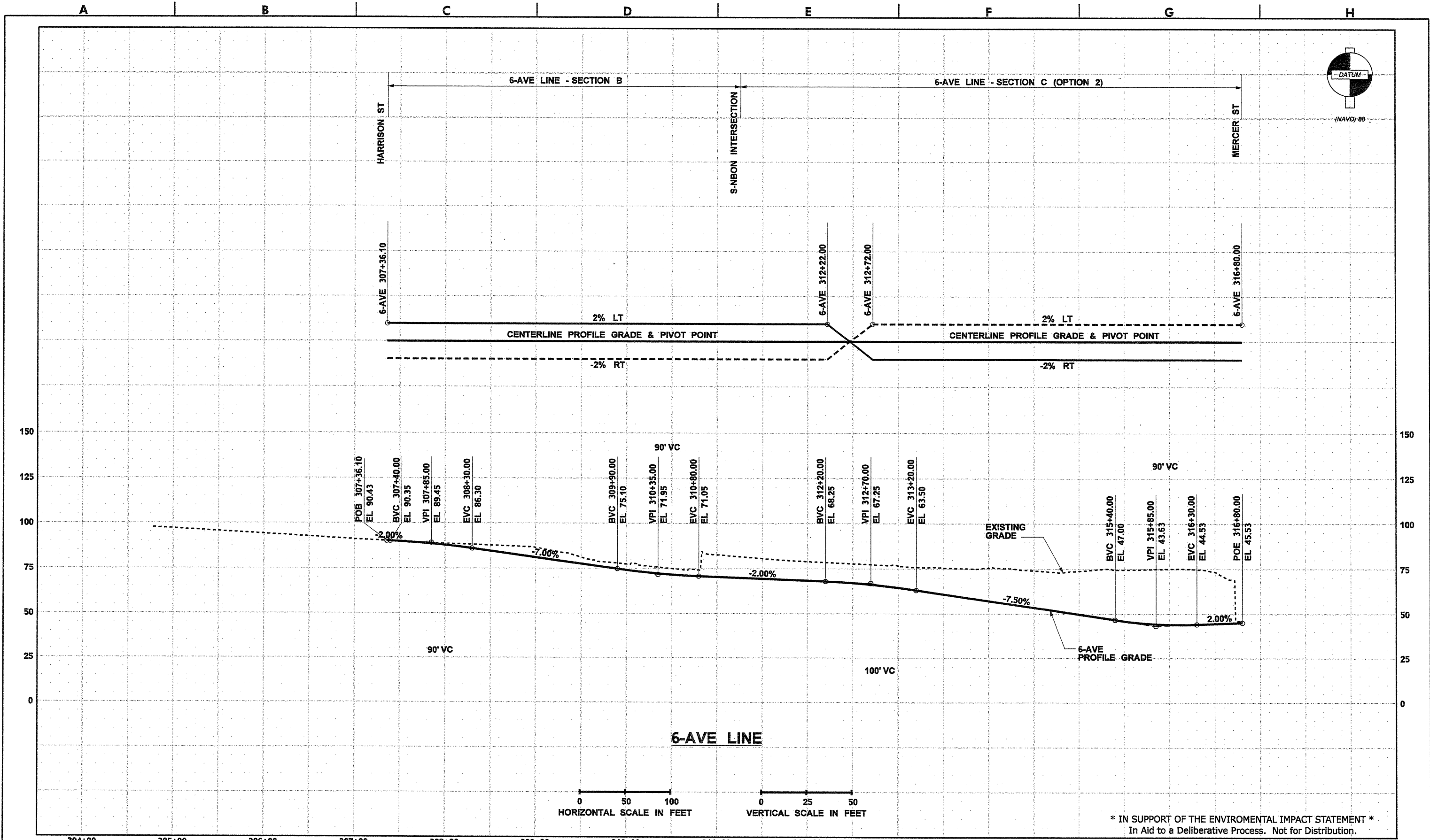
DRAFT
CONCEPTUAL DESIGN
 NOT FOR CONSTRUCTION



ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL
OPTION 1 ROADWAY PROFILE & SUPERELEVATION

CP021
 SHEET OF SHEETS

crosles



* IN SUPPORT OF THE ENVIROMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME	c:\aawork\pwwork\lav\crosies\dms08251\160073T00CQCP022.dlv		
TIME	3:22:07 PM		
DATE	2/4/2010		
PLOTTED BY	crosies		
DESIGNED BY	-		
ENTERED BY	H.WILLIAMS / A. SNIDER		
CHECKED BY	-		
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	
JOB NUMBER	LOCATION NO.	
Y-9715	XL-2219	
CONTRACT NO.		



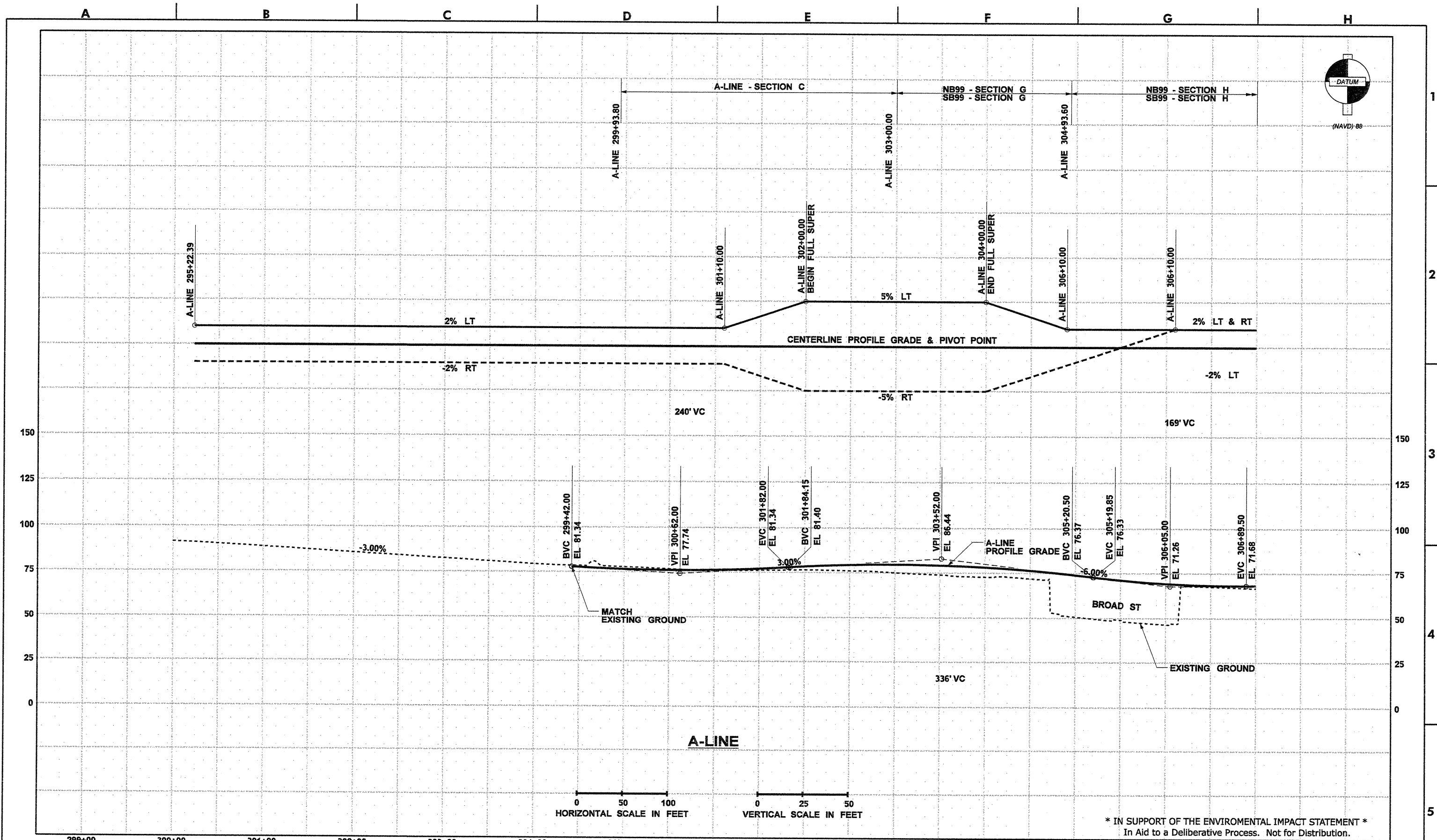
DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL
OPTION 2 ROADWAY PROFILE & SUPERELEVATION

CP022
SHEET OF SHEETS

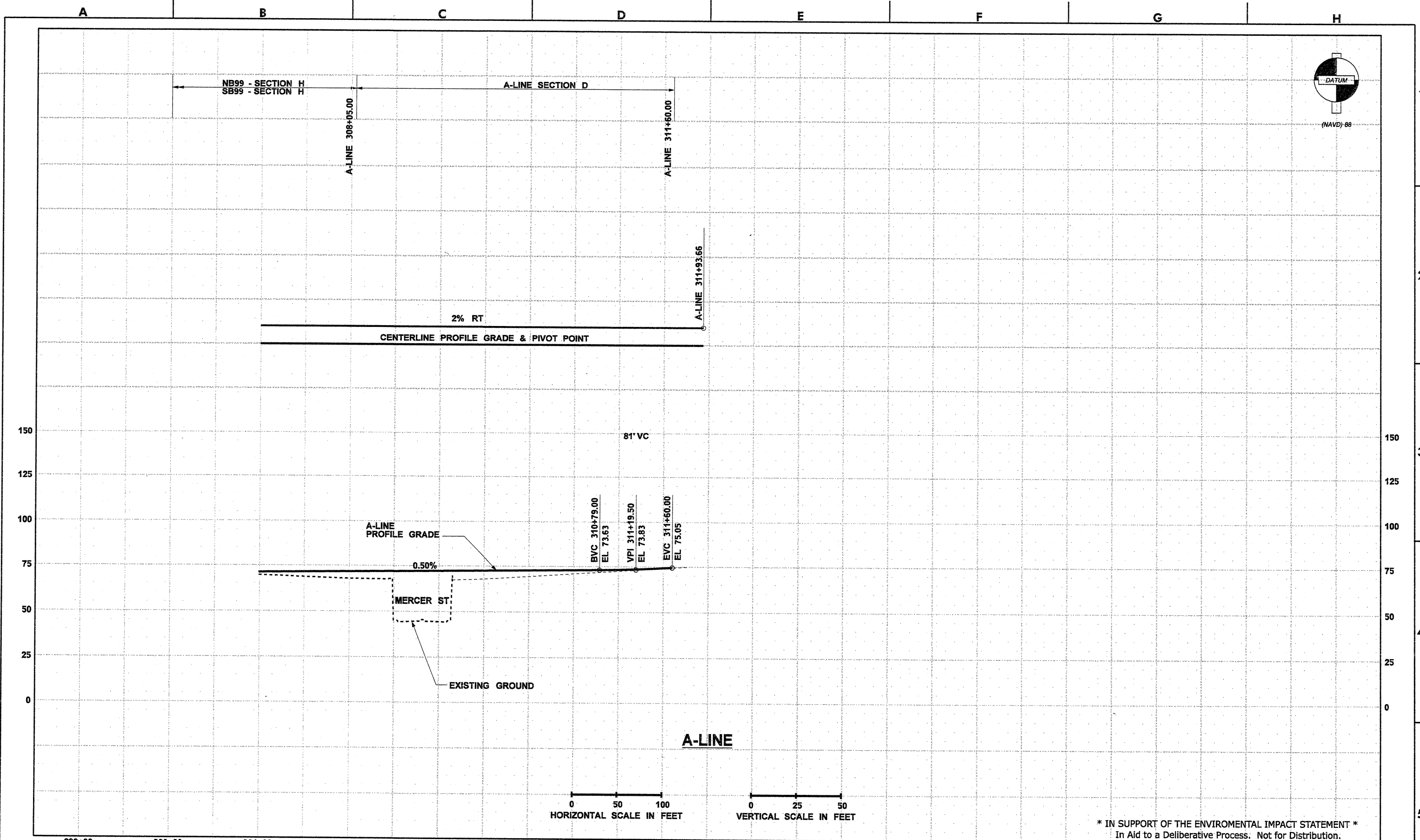
crosies



* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME	c:\aawork\pwwork\law\crosies\dms08251160073T00CQP023.dlv			REGION NO.	STATE	FED.AID PROJ.NO.		*DRAFT* CONCEPTUAL DESIGN NOT FOR CONSTRUCTION	 	ALASKAN WAY VIADUCT REPLACEMENT PROJECT SR 99 BORED TUNNEL ROADWAY PROFILE & SUPERELEVATION	CP023
TIME	3:24:35 PM			10	WASH	LOCATION NO.					SHEET OF SHEETS
DATE	2/4/2010			JOB NUMBER	Y-9715	XL-2219					
PLOTTED BY	crosies			CONTRACT NO.							
DESIGNED BY	-										
ENTERED BY	H.WILLIAMS / A. SNIDER										
CHECKED BY	-										
PROJ. ENGR.	S. EVERETT										
REGIONAL ADM.	R. PAANANEN			REVISION	DATE	BY					

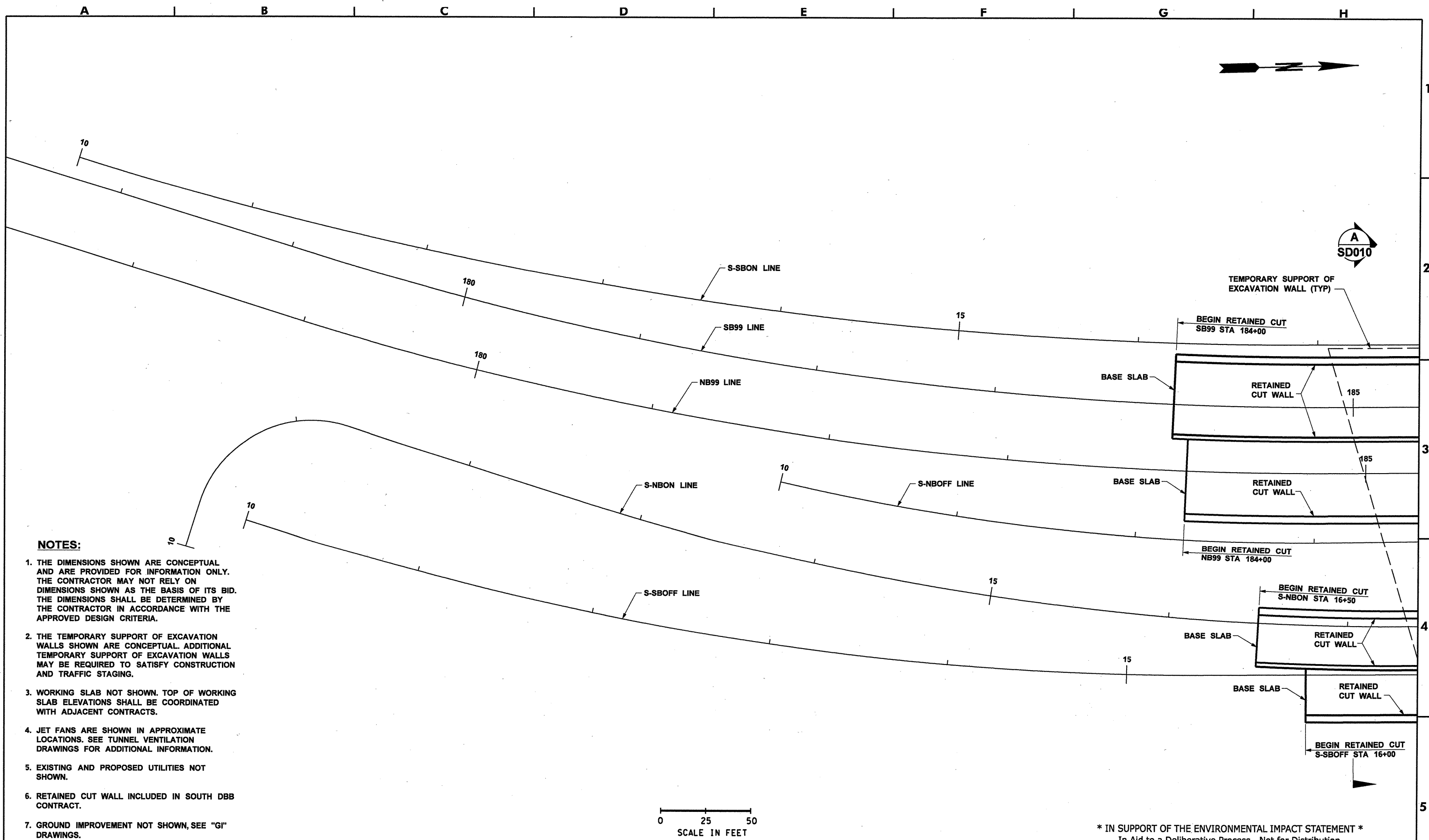
crosies



* IN SUPPORT OF THE ENVIROMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process: Not for Distribution.

FILE NAME	c:\aawork\pwwork\law\crosies\dms08251160073T00CQCP024.dlv			REGION NO.	STATE	FED. AID PROJ. NO.		*DRAFT* CONCEPTUAL DESIGN NOT FOR CONSTRUCTION	 	ALASKAN WAY VIADUCT REPLACEMENT PROJECT SR 99 BORED TUNNEL ROADWAY PROFILE & SUPERELEVATION	CP024
TIME	3:25:51 PM			10	WASH						SHEET
DATE	2/4/2010			JOB NUMBER	Y-9715						OF
PLOTTED BY	crosies			CONTRACT NO.		XL-2219					SHEETS
DESIGNED BY	—										
ENTERED BY	H.WILLIAMS / A. SNIDER										
CHECKED BY	—										
PROJ. ENGR.	S. EVERETT			REVISION	DATE	BY					
REGIONAL ADM.	R. PAANANEN										

crosies



NOTES:

1. THE DIMENSIONS SHOWN ARE CONCEPTUAL AND ARE PROVIDED FOR INFORMATION ONLY. THE CONTRACTOR MAY NOT RELY ON DIMENSIONS SHOWN AS THE BASIS OF ITS BID. THE DIMENSIONS SHALL BE DETERMINED BY THE CONTRACTOR IN ACCORDANCE WITH THE APPROVED DESIGN CRITERIA.
2. THE TEMPORARY SUPPORT OF EXCAVATION WALLS SHOWN ARE CONCEPTUAL. ADDITIONAL TEMPORARY SUPPORT OF EXCAVATION WALLS MAY BE REQUIRED TO SATISFY CONSTRUCTION AND TRAFFIC STAGING.
3. WORKING SLAB NOT SHOWN. TOP OF WORKING SLAB ELEVATIONS SHALL BE COORDINATED WITH ADJACENT CONTRACTS.
4. JET FANS ARE SHOWN IN APPROXIMATE LOCATIONS. SEE TUNNEL VENTILATION DRAWINGS FOR ADDITIONAL INFORMATION.
5. EXISTING AND PROPOSED UTILITIES NOT SHOWN.
6. RETAINED CUT WALL INCLUDED IN SOUTH DBB CONTRACT.
7. GROUND IMPROVEMENT NOT SHOWN, SEE "G" DRAWINGS.

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME		c:\aawork\pwwork\law\osbornd\lms08450\160073T00CQSD001.dwg	
TIME	1:41:42 PM	REGION NO.	STATE
DATE	2/5/2010	10	WASH
PLOTTED BY	osbornd	JOB NUMBER	
DESIGNED BY	E. PEIFFER	CONTRACT NO.	
ENTERED BY	D. OSBORNE	LOCATION NO.	
CHECKED BY	J. SCHESSLER		
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN	REVISION	DATE BY



DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



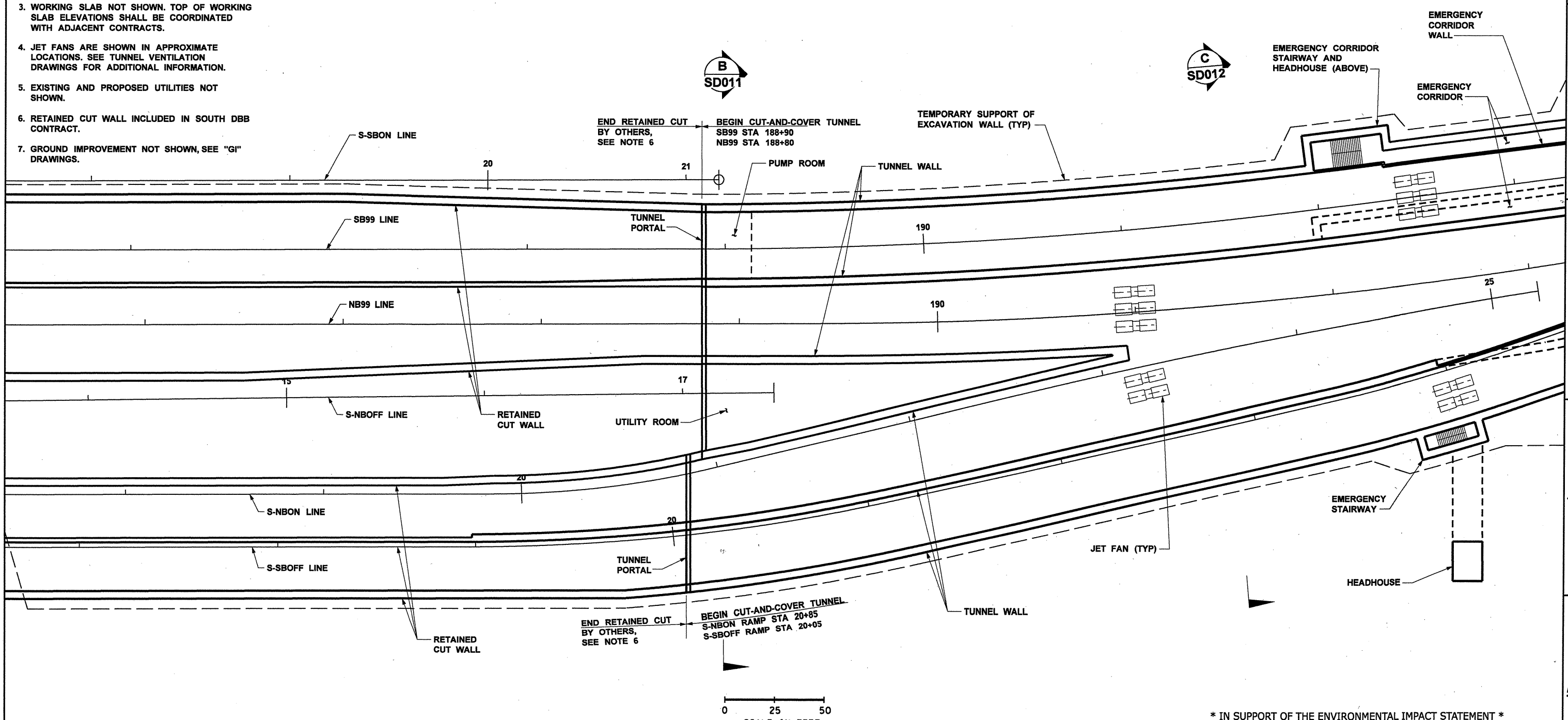
ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL
OPTION B
SOUTH STRUCTURAL PLAN 1 OF 3

SD001
SHEET OF SHEETS

osbornd

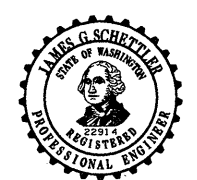
NOTES:

1. THE DIMENSIONS SHOWN ARE CONCEPTUAL AND ARE PROVIDED FOR INFORMATION ONLY. THE CONTRACTOR MAY NOT RELY ON DIMENSIONS SHOWN AS THE BASIS OF ITS BID. THE DIMENSIONS SHALL BE DETERMINED BY THE CONTRACTOR IN ACCORDANCE WITH THE APPROVED DESIGN CRITERIA.
2. THE TEMPORARY SUPPORT OF EXCAVATION WALLS SHOWN ARE CONCEPTUAL. ADDITIONAL TEMPORARY SUPPORT OF EXCAVATION WALLS MAY BE REQUIRED TO SATISFY CONSTRUCTION AND TRAFFIC STAGING.
3. WORKING SLAB NOT SHOWN. TOP OF WORKING SLAB ELEVATIONS SHALL BE COORDINATED WITH ADJACENT CONTRACTS.
4. JET FANS ARE SHOWN IN APPROXIMATE LOCATIONS. SEE TUNNEL VENTILATION DRAWINGS FOR ADDITIONAL INFORMATION.
5. EXISTING AND PROPOSED UTILITIES NOT SHOWN.
6. RETAINED CUT WALL INCLUDED IN SOUTH DBB CONTRACT.
7. GROUND IMPROVEMENT NOT SHOWN, SEE "GI" DRAWINGS.



* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME		c:\aawork\pwwork\law\osbornd\ids08450\160073T00CQSD002.dlv	
TIME	1:41:50 PM	REGION NO.	10
DATE	2/5/2010	STATE	WASH
PLOTTED BY	osbornd	FED. AID PROJ. NO.	
DESIGNED BY	E. PEIFFER	JOB NUMBER	
ENTERED BY	D. OSBORNE	CONTRACT NO.	
CHECKED BY	J. SCHESSLER	LOCATION NO.	
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN	REVISION	DATE BY



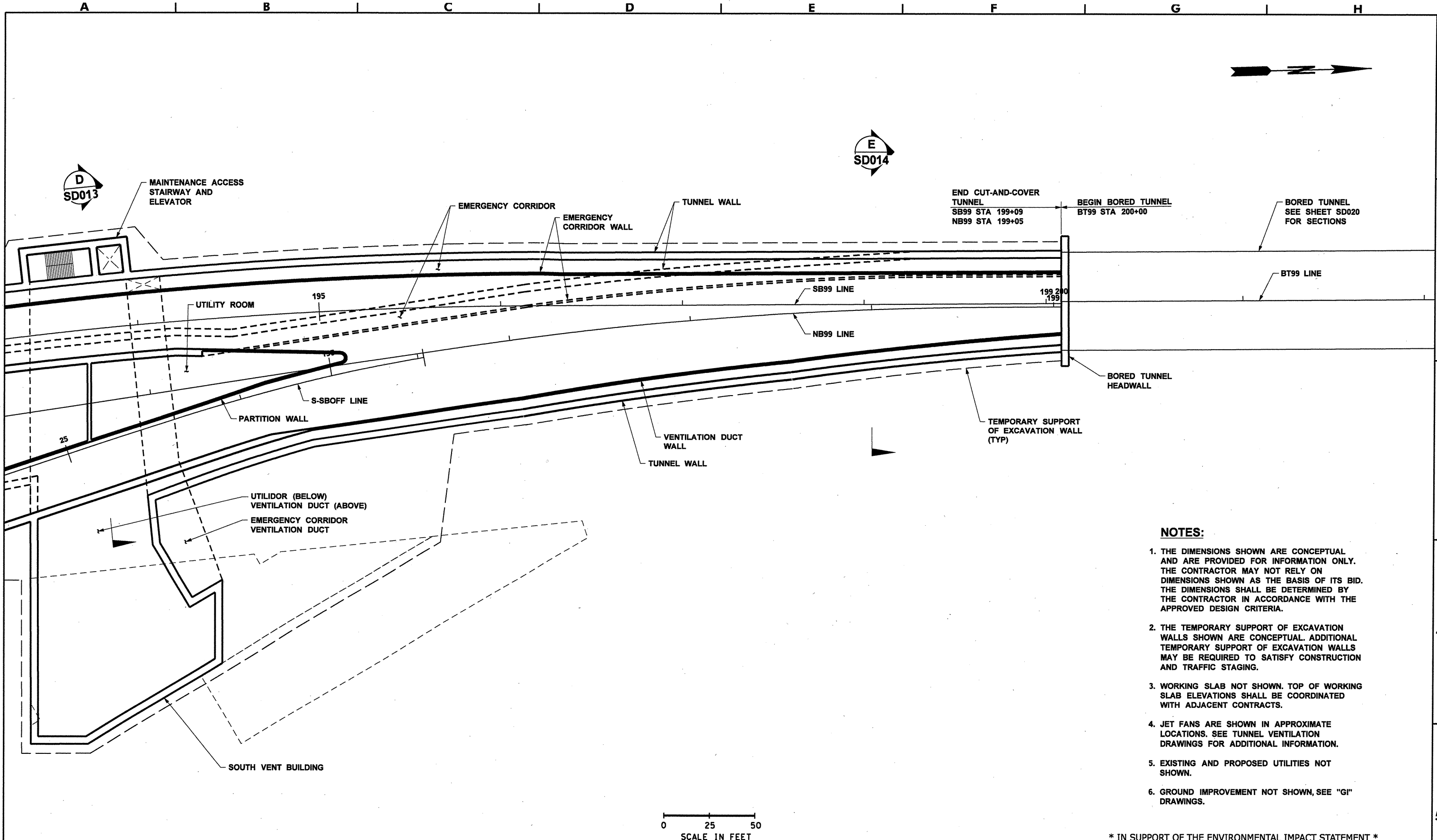
DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
OPTION B
SOUTH STRUCTURAL PLAN 2 OF 3

SD002
SHEET
OF
SHEETS

osbornd



- NOTES:**
1. THE DIMENSIONS SHOWN ARE CONCEPTUAL AND ARE PROVIDED FOR INFORMATION ONLY. THE CONTRACTOR MAY NOT RELY ON DIMENSIONS SHOWN AS THE BASIS OF ITS BID. THE DIMENSIONS SHALL BE DETERMINED BY THE CONTRACTOR IN ACCORDANCE WITH THE APPROVED DESIGN CRITERIA.
 2. THE TEMPORARY SUPPORT OF EXCAVATION WALLS SHOWN ARE CONCEPTUAL. ADDITIONAL TEMPORARY SUPPORT OF EXCAVATION WALLS MAY BE REQUIRED TO SATISFY CONSTRUCTION AND TRAFFIC STAGING.
 3. WORKING SLAB NOT SHOWN. TOP OF WORKING SLAB ELEVATIONS SHALL BE COORDINATED WITH ADJACENT CONTRACTS.
 4. JET FANS ARE SHOWN IN APPROXIMATE LOCATIONS. SEE TUNNEL VENTILATION DRAWINGS FOR ADDITIONAL INFORMATION.
 5. EXISTING AND PROPOSED UTILITIES NOT SHOWN.
 6. GROUND IMPROVEMENT NOT SHOWN, SEE "GI" DRAWINGS.

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

0 25 50
SCALE IN FEET

FILE NAME		c:\aawork\pwwork\law\osbornd\dms08450\160073T00CQSD003.dwg	
TIME	1:41:58 PM	REGION NO.	10
DATE	2/5/2010	STATE	WASH
PLOTTED BY	osbornd	JOB NUMBER	
DESIGNED BY	E. PEIFFER	CONTRACT NO.	
ENTERED BY	D. OSBORNE	LOCATION NO.	
CHECKED BY	J. SCHESSLER		
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN	REVISION	DATE BY



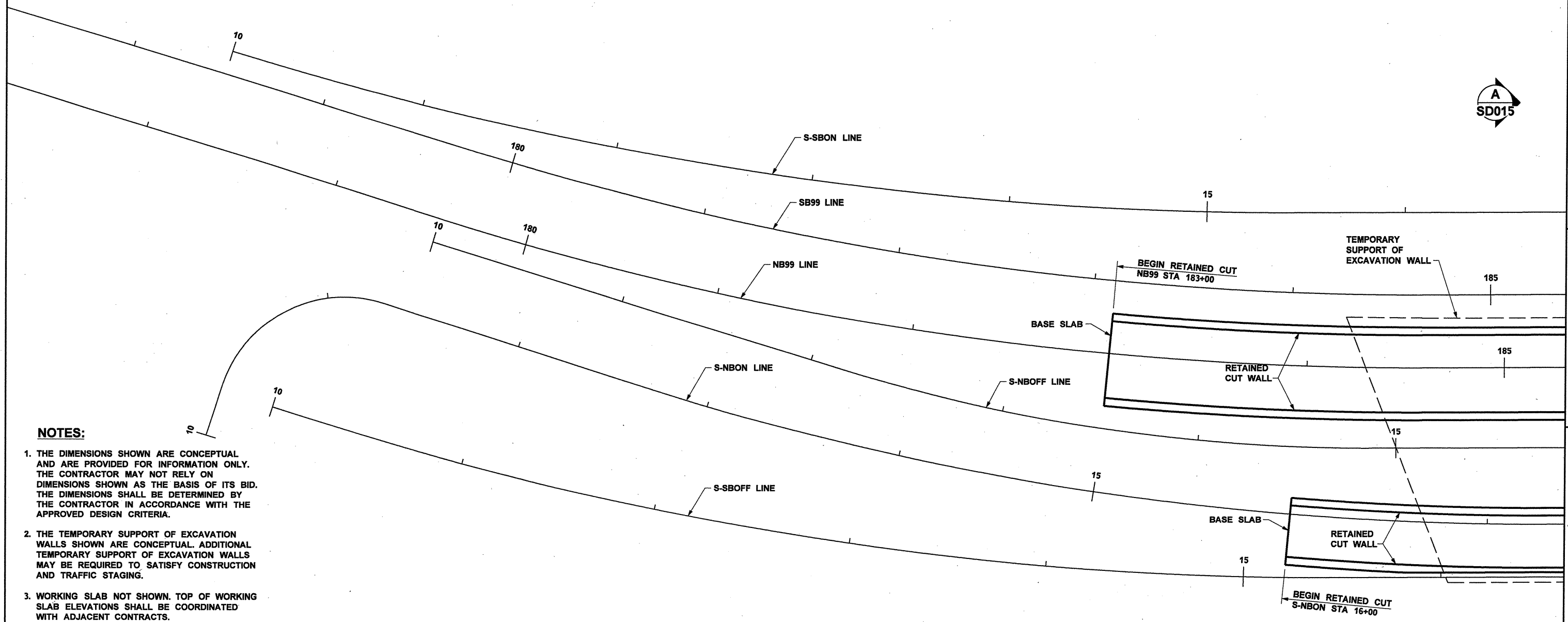
DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
OPTION B
SOUTH STRUCTURAL PLAN 3 OF 3

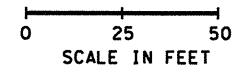
SD003
SHEET
OF
SHEETS

osbornd



NOTES:

1. THE DIMENSIONS SHOWN ARE CONCEPTUAL AND ARE PROVIDED FOR INFORMATION ONLY. THE CONTRACTOR MAY NOT RELY ON DIMENSIONS SHOWN AS THE BASIS OF ITS BID. THE DIMENSIONS SHALL BE DETERMINED BY THE CONTRACTOR IN ACCORDANCE WITH THE APPROVED DESIGN CRITERIA.
2. THE TEMPORARY SUPPORT OF EXCAVATION WALLS SHOWN ARE CONCEPTUAL. ADDITIONAL TEMPORARY SUPPORT OF EXCAVATION WALLS MAY BE REQUIRED TO SATISFY CONSTRUCTION AND TRAFFIC STAGING.
3. WORKING SLAB NOT SHOWN. TOP OF WORKING SLAB ELEVATIONS SHALL BE COORDINATED WITH ADJACENT CONTRACTS.
4. JET FANS ARE SHOWN IN APPROXIMATE LOCATIONS. SEE TUNNEL VENTILATION DRAWINGS FOR ADDITIONAL INFORMATION.
5. EXISTING AND PROPOSED UTILITIES NOT SHOWN.
6. RETAINED CUT WALL INCLUDED IN SOUTH DBB CONTRACT.
7. GROUND IMPROVEMENT NOT SHOWN, SEE "GI" DRAWINGS.



* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

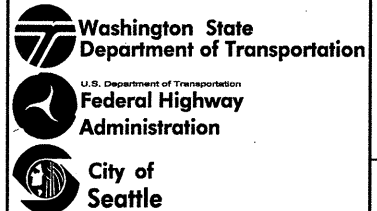
osborn

FILE NAME c:\aawork\pwwork\law\osborn\dms08450\160073T00CQSD004.dwg			
TIME	1:42:08 PM		
DATE	2/5/2010		
PLOTTED BY	osborn		
DESIGNED BY	E. PEIFFER		
ENTERED BY	D. OSBORNE		
CHECKED BY	J. SCHEITLER		
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
	REVISION	DATE	BY

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	
JOB NUMBER		
CONTRACT NO.		LOCATION NO.



DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION

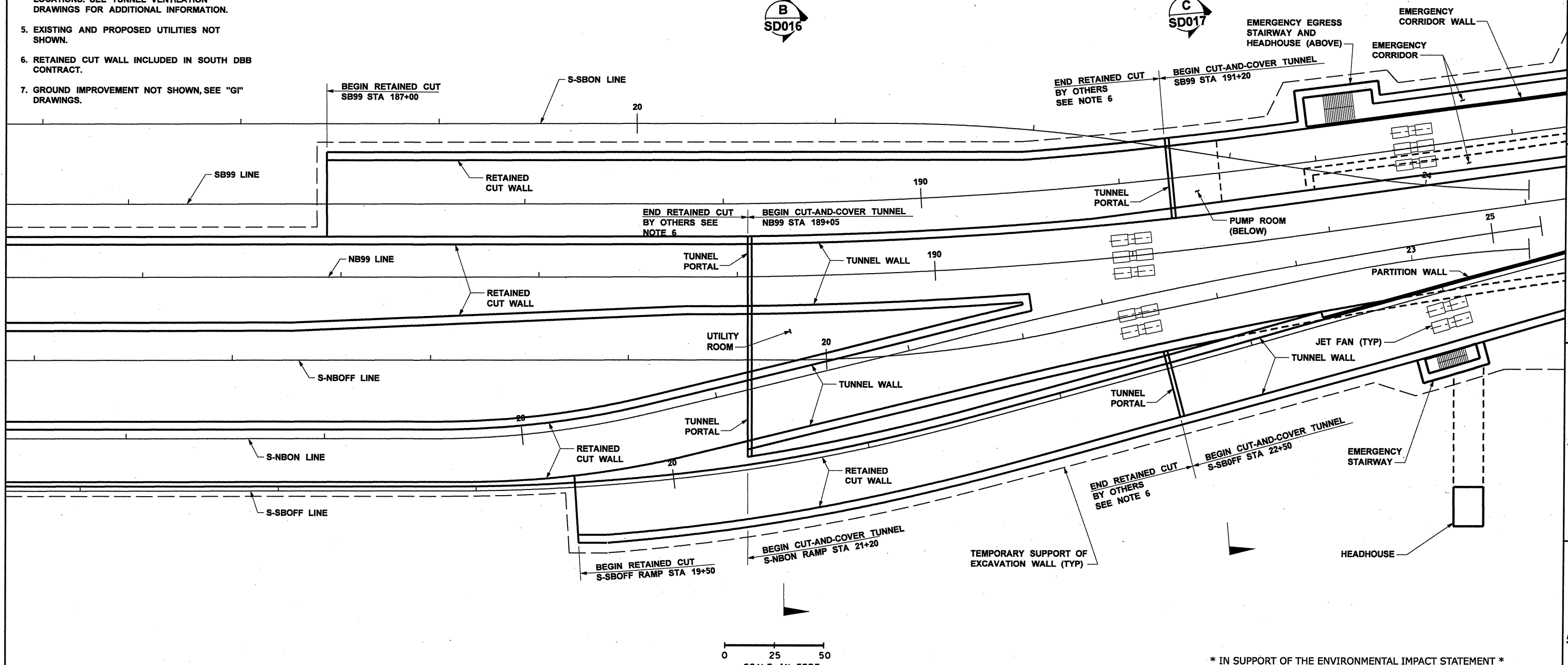
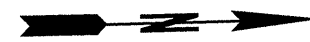


**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
**OPTION D
SOUTH STRUCTURAL PLAN 1 OF 3**

SD004
SHEET
OF
SHEETS

NOTES:

1. THE DIMENSIONS SHOWN ARE CONCEPTUAL AND ARE PROVIDED FOR INFORMATION ONLY. THE CONTRACTOR MAY NOT RELY ON DIMENSIONS SHOWN AS THE BASIS OF ITS BID. THE DIMENSIONS SHALL BE DETERMINED BY THE CONTRACTOR IN ACCORDANCE WITH THE APPROVED DESIGN CRITERIA.
2. THE TEMPORARY SUPPORT OF EXCAVATION WALLS SHOWN ARE CONCEPTUAL. ADDITIONAL TEMPORARY SUPPORT OF EXCAVATION WALLS MAY BE REQUIRED TO SATISFY CONSTRUCTION AND TRAFFIC STAGING.
3. WORKING SLAB NOT SHOWN. TOP OF WORKING SLAB ELEVATIONS SHALL BE COORDINATED WITH ADJACENT CONTRACTS.
4. JET FANS ARE SHOWN IN APPROXIMATE LOCATIONS. SEE TUNNEL VENTILATION DRAWINGS FOR ADDITIONAL INFORMATION.
5. EXISTING AND PROPOSED UTILITIES NOT SHOWN.
6. RETAINED CUT WALL INCLUDED IN SOUTH DBB CONTRACT.
7. GROUND IMPROVEMENT NOT SHOWN, SEE "GI" DRAWINGS.

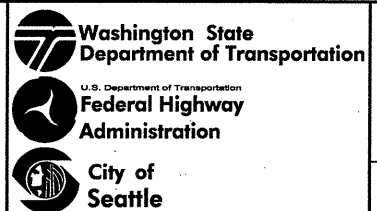


* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME	c:\aawork\pwwork\law\osbornd\ms08450\160073T00CQSD005.dwg		
TIME	1:42:16 PM		
DATE	2/5/2010		
PLOTTED BY	osbornd	REGION NO.	10
DESIGNED BY	E. PEIFFER	STATE	WASH
ENTERED BY	D. OSBORNE	JOB NUMBER	
CHECKED BY	J. SCHEITLER	CONTRACT NO.	
PROJ. ENGR.	S. EVERETT	FED. AID PROJ. NO.	
REGIONAL ADM.	R. PAANANEN	LOCATION NO.	
REVISION		DATE	BY



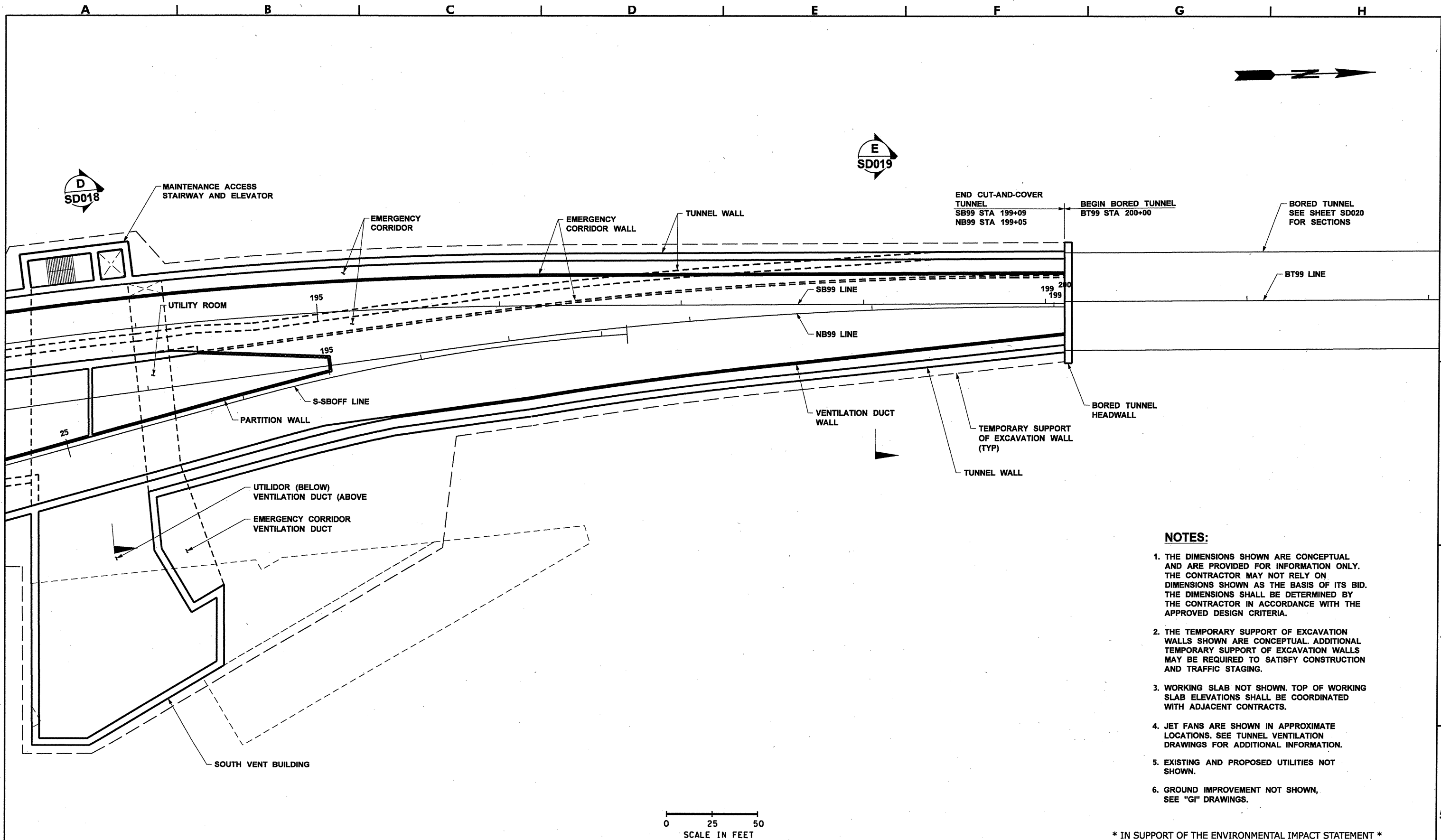
DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
OPTION D
SOUTH STRUCTURAL PLAN 2 OF 3

SD005
SHEET
OF
SHEETS

osbornd

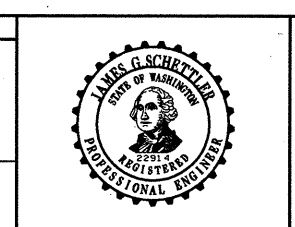


NOTES:

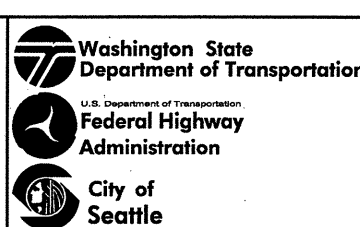
1. THE DIMENSIONS SHOWN ARE CONCEPTUAL AND ARE PROVIDED FOR INFORMATION ONLY. THE CONTRACTOR MAY NOT RELY ON DIMENSIONS SHOWN AS THE BASIS OF ITS BID. THE DIMENSIONS SHALL BE DETERMINED BY THE CONTRACTOR IN ACCORDANCE WITH THE APPROVED DESIGN CRITERIA.
2. THE TEMPORARY SUPPORT OF EXCAVATION WALLS SHOWN ARE CONCEPTUAL. ADDITIONAL TEMPORARY SUPPORT OF EXCAVATION WALLS MAY BE REQUIRED TO SATISFY CONSTRUCTION AND TRAFFIC STAGING.
3. WORKING SLAB NOT SHOWN. TOP OF WORKING SLAB ELEVATIONS SHALL BE COORDINATED WITH ADJACENT CONTRACTS.
4. JET FANS ARE SHOWN IN APPROXIMATE LOCATIONS. SEE TUNNEL VENTILATION DRAWINGS FOR ADDITIONAL INFORMATION.
5. EXISTING AND PROPOSED UTILITIES NOT SHOWN.
6. GROUND IMPROVEMENT NOT SHOWN, SEE "GI" DRAWINGS.

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME		c:\aawork\pwwork\law\osbornd\dms08450160073T00CQSD006.dlv	
TIME	1:42:24 PM	REGION NO.	STATE
DATE	2/5/2010	10	WASH
PLOTTED BY	osbornd	JOB NUMBER	
DESIGNED BY	E. PEIFFER	CONTRACT NO.	
ENTERED BY	D. OSBORNE	LOCATION NO.	
CHECKED BY	J. SCHETTLER		
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN	REVISION	DATE BY



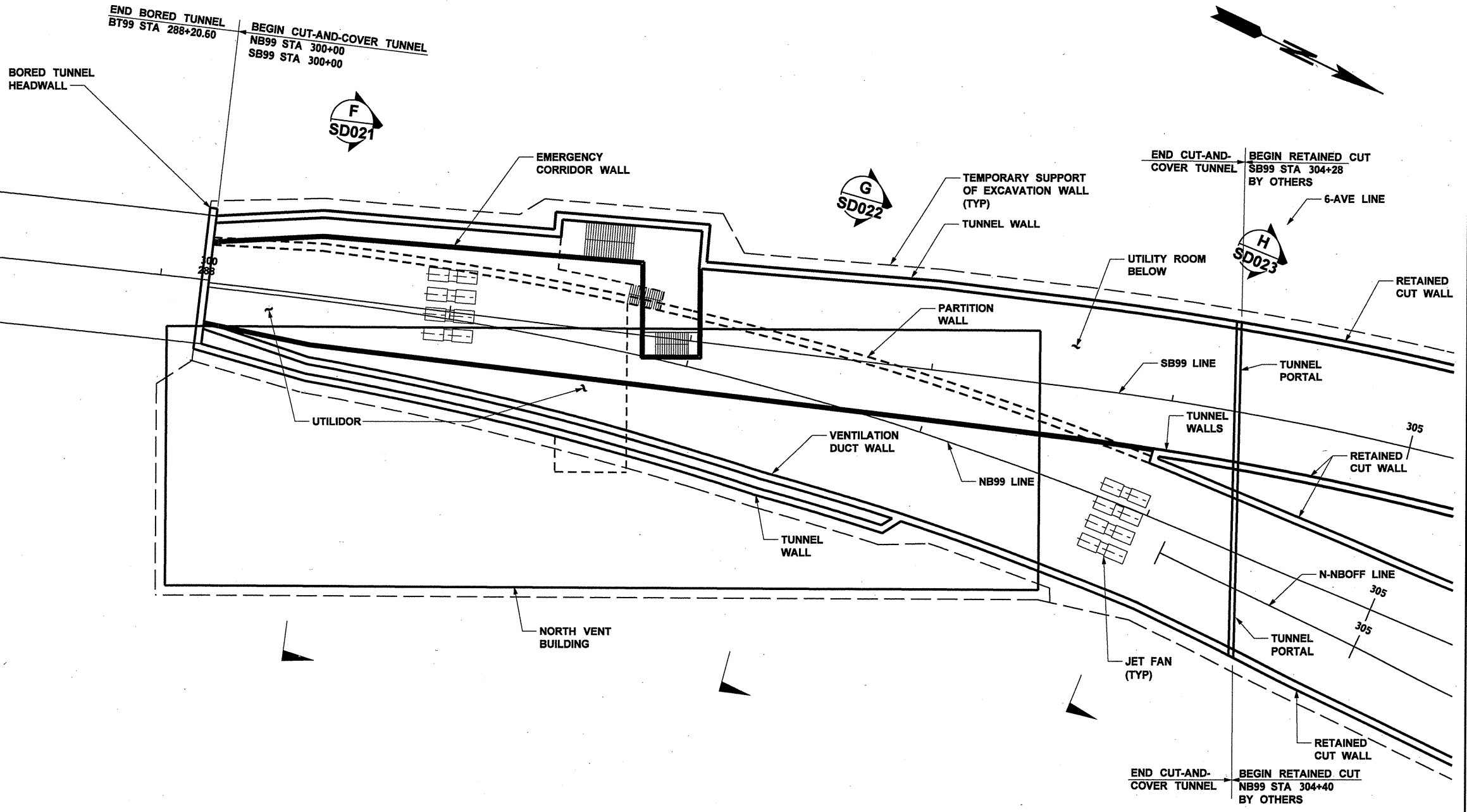
DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL
OPTION D
SOUTH STRUCTURAL PLAN 3 OF 3

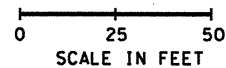
SD006
SHEET OF SHEETS

osbornd



NOTES:

1. THE DIMENSIONS SHOWN ARE CONCEPTUAL AND ARE PROVIDED FOR INFORMATION ONLY. THE CONTRACTOR MAY NOT RELY ON DIMENSIONS SHOWN AS THE BASIS OF ITS BID. THE DIMENSIONS SHALL BE DETERMINED BY THE CONTRACTOR IN ACCORDANCE WITH THE APPROVED DESIGN CRITERIA.
2. THE TEMPORARY SUPPORT OF EXCAVATION WALLS SHOWN ARE CONCEPTUAL. ADDITIONAL TEMPORARY SUPPORT OF EXCAVATION WALLS MAY BE REQUIRED TO SATISFY CONSTRUCTION AND TRAFFIC STAGING.
3. WORKING SLAB NOT SHOWN. TOP OF WORKING SLAB ELEVATIONS SHALL BE COORDINATED WITH ADJACENT CONTRACTS.
4. JET FANS ARE SHOWN IN APPROXIMATE LOCATIONS. SEE TUNNEL VENTILATION DRAWINGS FOR ADDITIONAL INFORMATION.
5. EXISTING AND PROPOSED UTILITIES NOT SHOWN.
6. GROUND IMPROVEMENTS NOT SHOWN, SEE "G" DRAWINGS.



* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME		c:\aawork\pwwork\law\osbornd\lms08450160073T00CQSD007.dwg	
TIME	1:42:33 PM	REGION NO.	STATE
DATE	2/5/2010	10	WASH
PLOTTED BY	osbornd	JOB NUMBER	
DESIGNED BY	D. BELLOWES	CONTRACT NO.	
ENTERED BY	D. OSBORNE	LOCATION NO.	
CHECKED BY	E. PEIFFER		
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN	REVISION	DATE BY



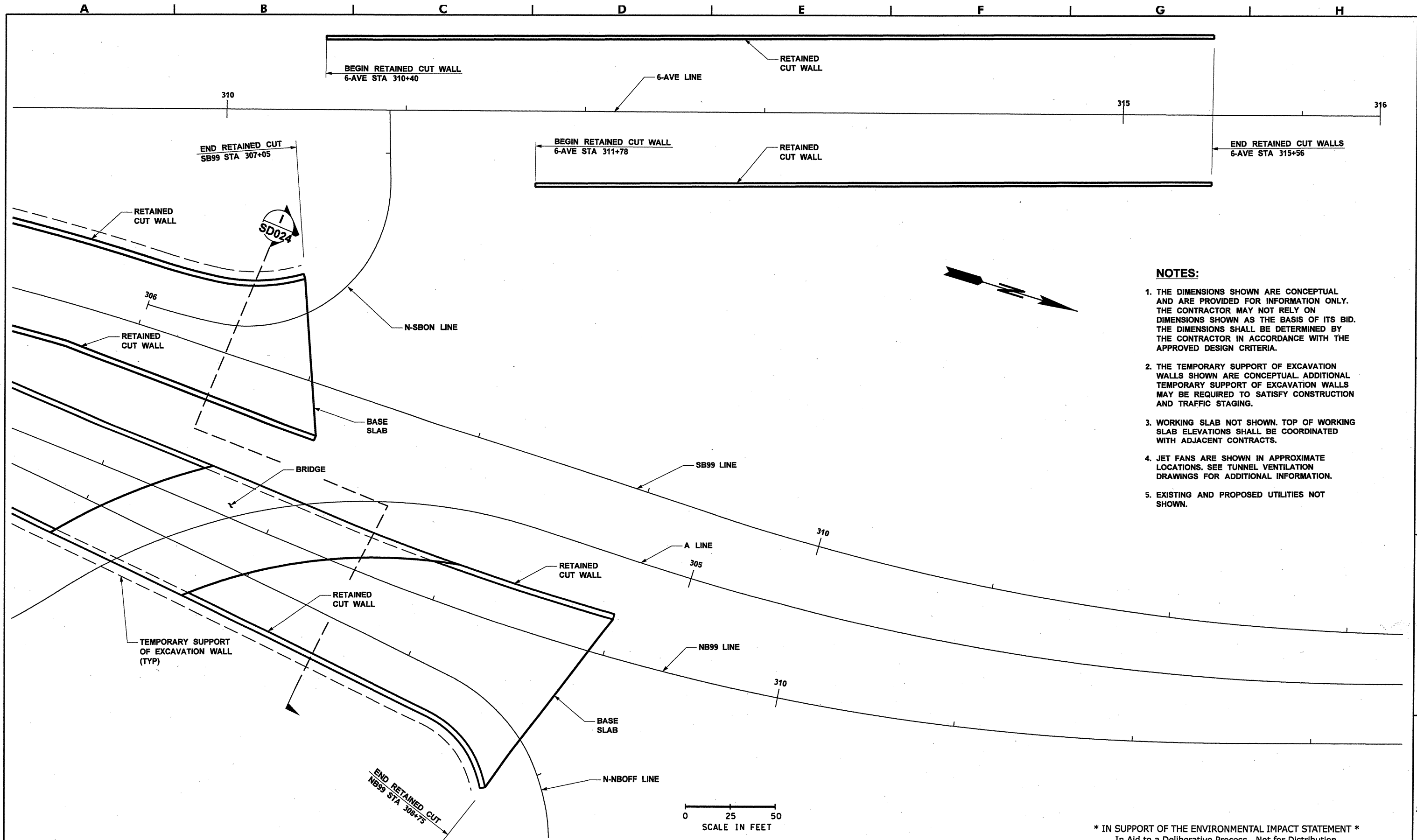
DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
NORTH STRUCTURAL PLAN 1 OF 2

SD007
SHEET
OF
SHEETS

osbornd



- NOTES:**
1. THE DIMENSIONS SHOWN ARE CONCEPTUAL AND ARE PROVIDED FOR INFORMATION ONLY. THE CONTRACTOR MAY NOT RELY ON DIMENSIONS SHOWN AS THE BASIS OF ITS BID. THE DIMENSIONS SHALL BE DETERMINED BY THE CONTRACTOR IN ACCORDANCE WITH THE APPROVED DESIGN CRITERIA.
 2. THE TEMPORARY SUPPORT OF EXCAVATION WALLS SHOWN ARE CONCEPTUAL. ADDITIONAL TEMPORARY SUPPORT OF EXCAVATION WALLS MAY BE REQUIRED TO SATISFY CONSTRUCTION AND TRAFFIC STAGING.
 3. WORKING SLAB NOT SHOWN. TOP OF WORKING SLAB ELEVATIONS SHALL BE COORDINATED WITH ADJACENT CONTRACTS.
 4. JET FANS ARE SHOWN IN APPROXIMATE LOCATIONS. SEE TUNNEL VENTILATION DRAWINGS FOR ADDITIONAL INFORMATION.
 5. EXISTING AND PROPOSED UTILITIES NOT SHOWN.

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME		c:\aawork\pwwork\law\osbornd\dms08450\160073T00CQSD008.dwg	
TIME	1:42:42 PM	REGION NO.	10
DATE	2/5/2010	STATE	WASH
PLOTTED BY	osbornd	JOB NUMBER	
DESIGNED BY	D. BELLOWS	CONTRACT NO.	
ENTERED BY	D. OSBORNE	LOCATION NO.	
CHECKED BY	E. PEIFFER		
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN	REVISION	DATE BY



DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



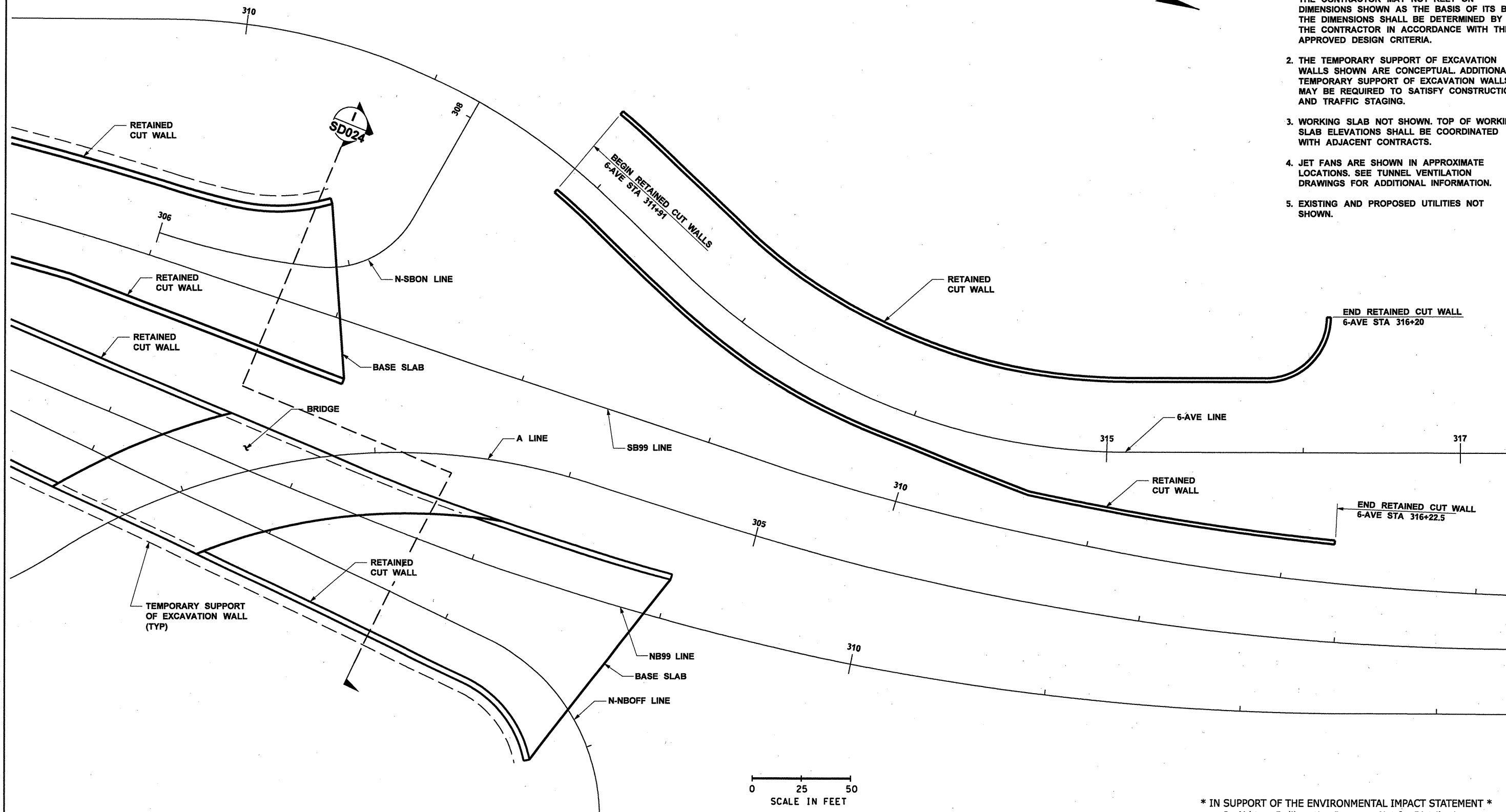
**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
OPTION 1
NORTH STRUCTURAL PLAN 2 OF 2

SD008
SHEET
OF
SHEETS

osbornd

NOTES:

1. THE DIMENSIONS SHOWN ARE CONCEPTUAL AND ARE PROVIDED FOR INFORMATION ONLY. THE CONTRACTOR MAY NOT RELY ON DIMENSIONS SHOWN AS THE BASIS OF ITS BID. THE DIMENSIONS SHALL BE DETERMINED BY THE CONTRACTOR IN ACCORDANCE WITH THE APPROVED DESIGN CRITERIA.
2. THE TEMPORARY SUPPORT OF EXCAVATION WALLS SHOWN ARE CONCEPTUAL. ADDITIONAL TEMPORARY SUPPORT OF EXCAVATION WALLS MAY BE REQUIRED TO SATISFY CONSTRUCTION AND TRAFFIC STAGING.
3. WORKING SLAB NOT SHOWN. TOP OF WORKING SLAB ELEVATIONS SHALL BE COORDINATED WITH ADJACENT CONTRACTS.
4. JET FANS ARE SHOWN IN APPROXIMATE LOCATIONS. SEE TUNNEL VENTILATION DRAWINGS FOR ADDITIONAL INFORMATION.
5. EXISTING AND PROPOSED UTILITIES NOT SHOWN.



0 25 50
SCALE IN FEET

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

osbornd

FILE NAME		c:\aawork\pwwork\law\osbornd\ids08450\160073T00CQSD009.dwg	
TIME	1:42:50 PM	REGION NO.	10
DATE	2/5/2010	STATE	WASH
DESIGNED BY	D. BELLOWS	JOB NUMBER	
ENTERED BY	D. OSBORNE	CONTRACT NO.	
CHECKED BY	E. PEIFFER	LOCATION NO.	
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN	REVISION	DATE BY



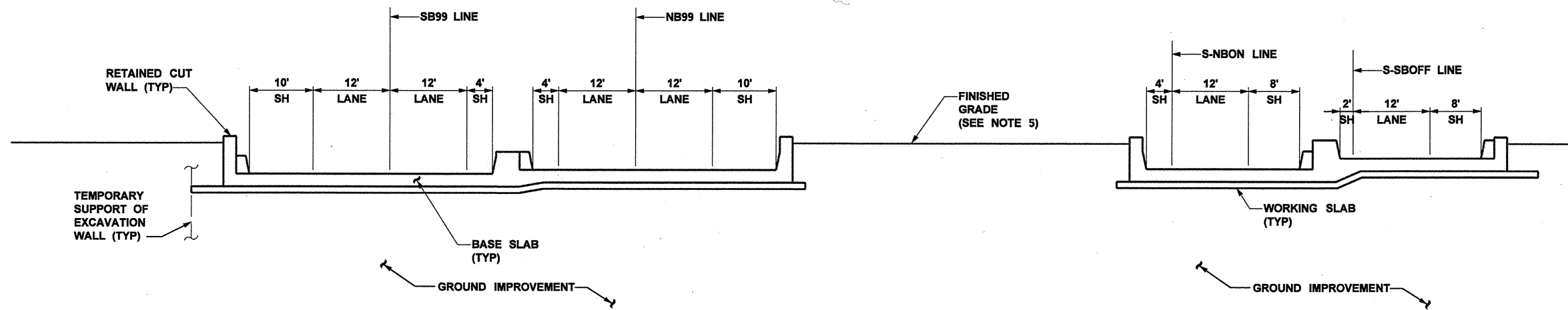
DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL
OPTION 2
NORTH STRUCTURAL PLAN 2 OF 2

SD009
SHEET OF SHEETS

- NOTES:**
1. THE DIMENSIONS SHOWN ARE CONCEPTUAL AND ARE PROVIDED FOR INFORMATION ONLY. THE CONTRACTOR MAY NOT RELY ON DIMENSIONS SHOWN AS THE BASIS OF ITS BID. THE DIMENSIONS SHALL BE DETERMINED BY THE CONTRACTOR IN ACCORDANCE WITH THE APPROVED DESIGN CRITERIA.
 2. THE TEMPORARY SUPPORT OF EXCAVATION WALLS SHOWN ARE CONCEPTUAL. ADDITIONAL TEMPORARY SUPPORT OF EXCAVATION WALLS MAY BE REQUIRED TO SATISFY CONSTRUCTION AND TRAFFIC STAGING.
 3. EXISTING AND PROPOSED UTILITIES NOT SHOWN.
 4. DRAWINGS SHOW FINAL CONDITION OF COMPLETED STRUCTURE ONLY AND DO NOT DISTINGUISH BETWEEN DIFFERENT CONTRACTS. TEMPORARY DETOUR AND CONSTRUCTION SEQUENCING STRUCTURES MAY ALSO BE NECESSARY AT INTERIM STAGES.
 5. FOR SURFACE ROAD INFORMATION, SEE CIVIL AND URBAN DESIGN DRAWINGS.
 6. ALL EXTERIOR SURFACES OF CUT-AND-COVER TUNNEL AND RETAINED CUT SHALL BE WATERPROOFED.
 7. TEMPORARY SUPPORT OF EXCAVATION WALLS MAY BE BRACED WITH INTERNAL STRUTS OR EXTERNAL TIEBACKS. TIEBACKS MAY EXTEND BEYOND PROJECT LIMITS AND REQUIRE TEMPORARY EASEMENTS.



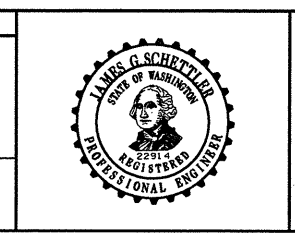
SECTION
SB99 STA 185+00

A
SD001

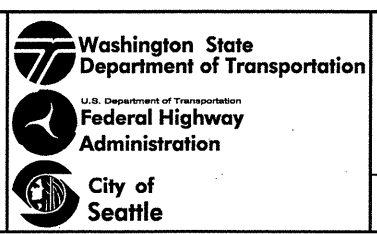
* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

osbornd

FILE NAME		c:\aawork\pwwork\law\osbornd\dms08450\160073T00CQSD010.dlv	
TIME	1:42:55 PM	REGION NO.	STATE
DATE	2/5/2010	10	WASH
PLOTTED BY	osbornd	JOB NUMBER	
DESIGNED BY	C. KIRANDAG	CONTRACT NO.	
ENTERED BY	D. OSBORNE	LOCATION NO.	
CHECKED BY	E. PEIFFER		
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN	REVISION	DATE BY



DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**

SR 99 BORED TUNNEL

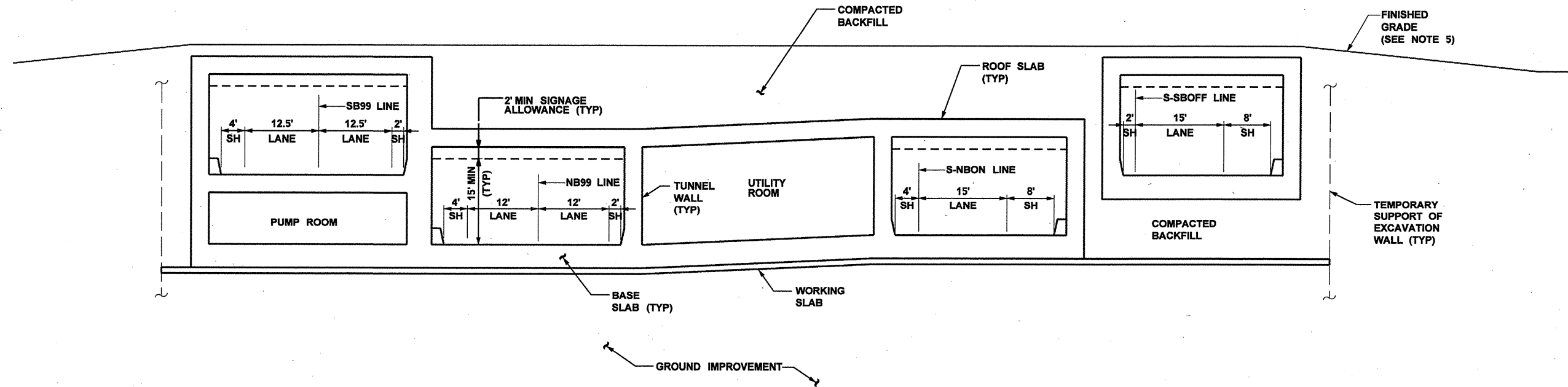
**OPTION B
SECTION A SOUTH OF PLUMMER ST**

SD010

SHEET OF SHEETS

NOTES:

1. THE DIMENSIONS SHOWN ARE CONCEPTUAL AND ARE PROVIDED FOR INFORMATION ONLY. THE CONTRACTOR MAY NOT RELY ON DIMENSIONS SHOWN AS THE BASIS OF ITS BID. THE DIMENSIONS SHALL BE DETERMINED BY THE CONTRACTOR IN ACCORDANCE WITH THE APPROVED DESIGN CRITERIA.
2. THE TEMPORARY SUPPORT OF EXCAVATION WALLS SHOWN ARE CONCEPTUAL. ADDITIONAL TEMPORARY SUPPORT OF EXCAVATION WALLS MAY BE REQUIRED TO SATISFY CONSTRUCTION AND TRAFFIC STAGING.
3. EXISTING AND PROPOSED UTILITIES NOT SHOWN.
4. DRAWINGS SHOW FINAL CONDITION OF COMPLETED STRUCTURE ONLY AND DO NOT DISTINGUISH BETWEEN DIFFERENT CONTRACTS. TEMPORARY DETOUR AND CONSTRUCTION SEQUENCING STRUCTURES MAY ALSO BE NECESSARY AT INTERIM STAGES.
5. FOR SURFACE ROAD INFORMATION, SEE CIVIL AND URBAN DESIGN DRAWINGS.
6. ALL EXTERIOR SURFACES OF CUT-AND-COVER TUNNEL AND RETAINED CUT SHALL BE WATERPROOFED.
7. TEMPORARY SUPPORT OF EXCAVATION WALLS MAY BE BRACED WITH INTERNAL STRUTS OR EXTERNAL TIEBACKS. TIEBACKS MAY EXTEND BEYOND PROJECT LIMITS AND REQUIRE TEMPORARY EASEMENTS.



SECTION
SB99 STA 189+00



* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

osbornd

FILE NAME	c:\aawork\pwwork\law\osbornd\dms08450\160073T00CQSD011.dwg		
TIME	1:43:00 PM		
DATE	2/5/2010		
PLOTTED BY	osbornd		
DESIGNED BY	C. KIRANDAG		
ENTERED BY	D. OSBORNE		
CHECKED BY	E. PEIFFER		
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	
JOB NUMBER		
CONTRACT NO.	LOCATION NO.	



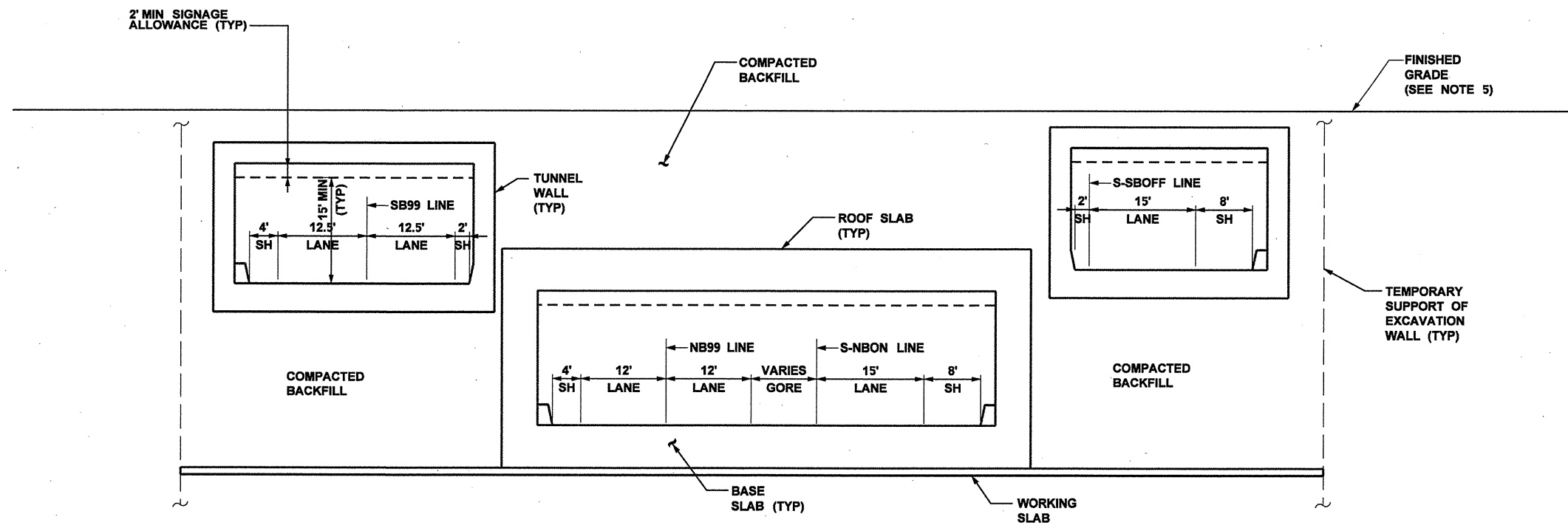
DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL
OPTION B SECTION B CHARLES ST

SD011
SHEET OF SHEETS

- NOTES:**
1. THE DIMENSIONS SHOWN ARE CONCEPTUAL AND ARE PROVIDED FOR INFORMATION ONLY. THE CONTRACTOR MAY NOT RELY ON DIMENSIONS SHOWN AS THE BASIS OF ITS BID. THE DIMENSIONS SHALL BE DETERMINED BY THE CONTRACTOR IN ACCORDANCE WITH THE APPROVED DESIGN CRITERIA.
 2. THE TEMPORARY SUPPORT OF EXCAVATION WALLS SHOWN ARE CONCEPTUAL. ADDITIONAL TEMPORARY SUPPORT OF EXCAVATION WALLS MAY BE REQUIRED TO SATISFY CONSTRUCTION AND TRAFFIC STAGING.
 3. EXISTING AND PROPOSED UTILITIES NOT SHOWN.
 4. DRAWINGS SHOW FINAL CONDITION OF COMPLETED STRUCTURE ONLY AND DO NOT DISTINGUISH BETWEEN DIFFERENT CONTRACTS. TEMPORARY DETOUR AND CONSTRUCTION SEQUENCING STRUCTURES MAY ALSO BE NECESSARY AT INTERIM STAGES.
 5. FOR SURFACE ROAD INFORMATION, SEE CIVIL AND URBAN DESIGN DRAWINGS.
 6. ALL EXTERIOR SURFACES OF CUT-AND-COVER TUNNEL AND RETAINED CUT SHALL BE WATERPROOFED.
 7. TEMPORARY SUPPORT OF EXCAVATION WALLS MAY BE BRACED WITH INTERNAL STRUTS OR EXTERNAL TIEBACKS. TIEBACKS MAY EXTEND BEYOND PROJECT LIMITS AND REQUIRE TEMPORARY EASEMENTS.



SECTION
SB99 STA 191+40



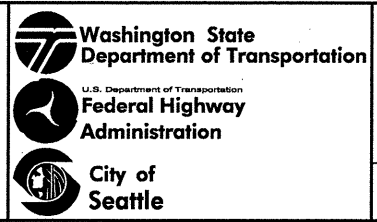
* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

osbornd

FILE NAME		c:\aawork\pwwork\law\osbornd\dms08450\160073T00CQSD012.dlv	
TIME	1:43:04 PM	REGION NO.	STATE
DATE	2/5/2010	10	WASH
PLOTTED BY	osbornd	JOB NUMBER	
DESIGNED BY	C. KIRANDAG	CONTRACT NO.	
ENTERED BY	D. OSBORNE	LOCATION NO.	
CHECKED BY	E. PEIFFER		
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN	REVISION	DATE BY



DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION

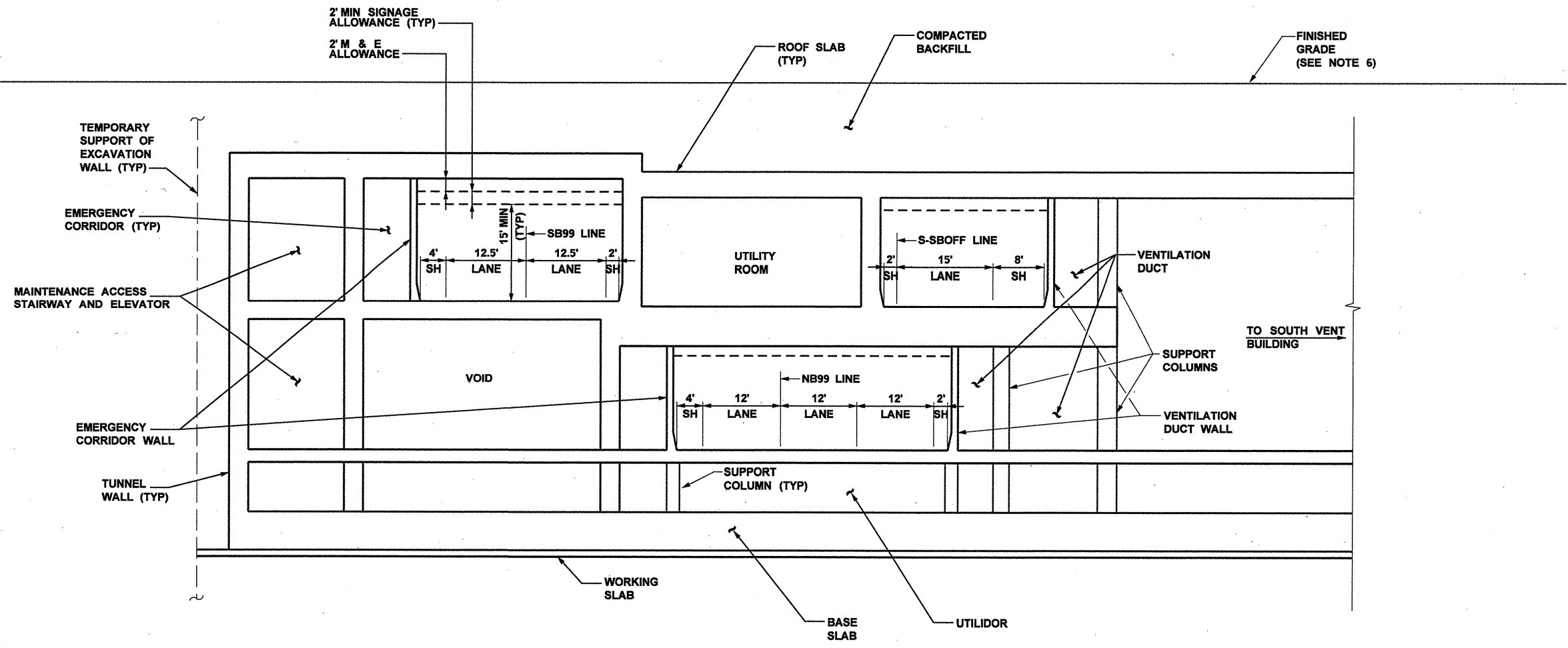


**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
OPTION B
SECTION C SOUTH OF DEARBORN ST

SD012
SHEET
OF
SHEETS

NOTES:

1. THE DIMENSIONS SHOWN ARE CONCEPTUAL AND ARE PROVIDED FOR INFORMATION ONLY. THE CONTRACTOR MAY NOT RELY ON DIMENSIONS SHOWN AS THE BASIS OF ITS BID. THE DIMENSIONS SHALL BE DETERMINED BY THE CONTRACTOR IN ACCORDANCE WITH THE APPROVED DESIGN CRITERIA.
2. THE TEMPORARY SUPPORT OF EXCAVATION WALLS SHOWN ARE CONCEPTUAL. ADDITIONAL TEMPORARY SUPPORT OF EXCAVATION WALLS MAY BE REQUIRED TO SATISFY CONSTRUCTION AND TRAFFIC STAGING.
3. SEE ARCHITECTURAL DRAWINGS FOR SOUTH VENT BUILDING DETAILS.
4. EXISTING AND PROPOSED UTILITIES NOT SHOWN.
5. DRAWINGS SHOW FINAL CONDITION OF COMPLETED STRUCTURE ONLY AND DO NOT DISTINGUISH BETWEEN DIFFERENT CONTRACTS. TEMPORARY DETOUR AND CONSTRUCTION SEQUENCING STRUCTURES MAY ALSO BE NECESSARY AT INTERIM STAGES.
6. FOR SURFACE ROAD INFORMATION, SEE CIVIL AND URBAN DESIGN DRAWINGS.
7. ALL EXTERIOR SURFACES OF CUT-AND-COVER TUNNEL AND RETAINED CUT SHALL BE WATERPROOFED.
8. TEMPORARY SUPPORT OF EXCAVATION WALLS MAY BE BRACED WITH INTERNAL STRUTS OR EXTERNAL TIEBACKS. TIEBACKS MAY EXTEND BEYOND PROJECT LIMITS AND REQUIRE TEMPORARY EASEMENTS.



SECTION
SB99 STA 193+75 D
SD003

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME	c:\aawork\pwwork\law\osbornd\ids08450160073T00CQSD013.dwg		
TIME	1:43:08 PM		
DATE	2/5/2010		
PLOTTED BY	osbornd		
DESIGNED BY	C. KIRANDAG		
ENTERED BY	D. OSBORNE		
CHECKED BY	E. PEIFFER		
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	
REGION NO.	STATE	FED. AID PROJ. NO.	
10	WASH		
JOB NUMBER		LOCATION NO.	
CONTRACT NO.			



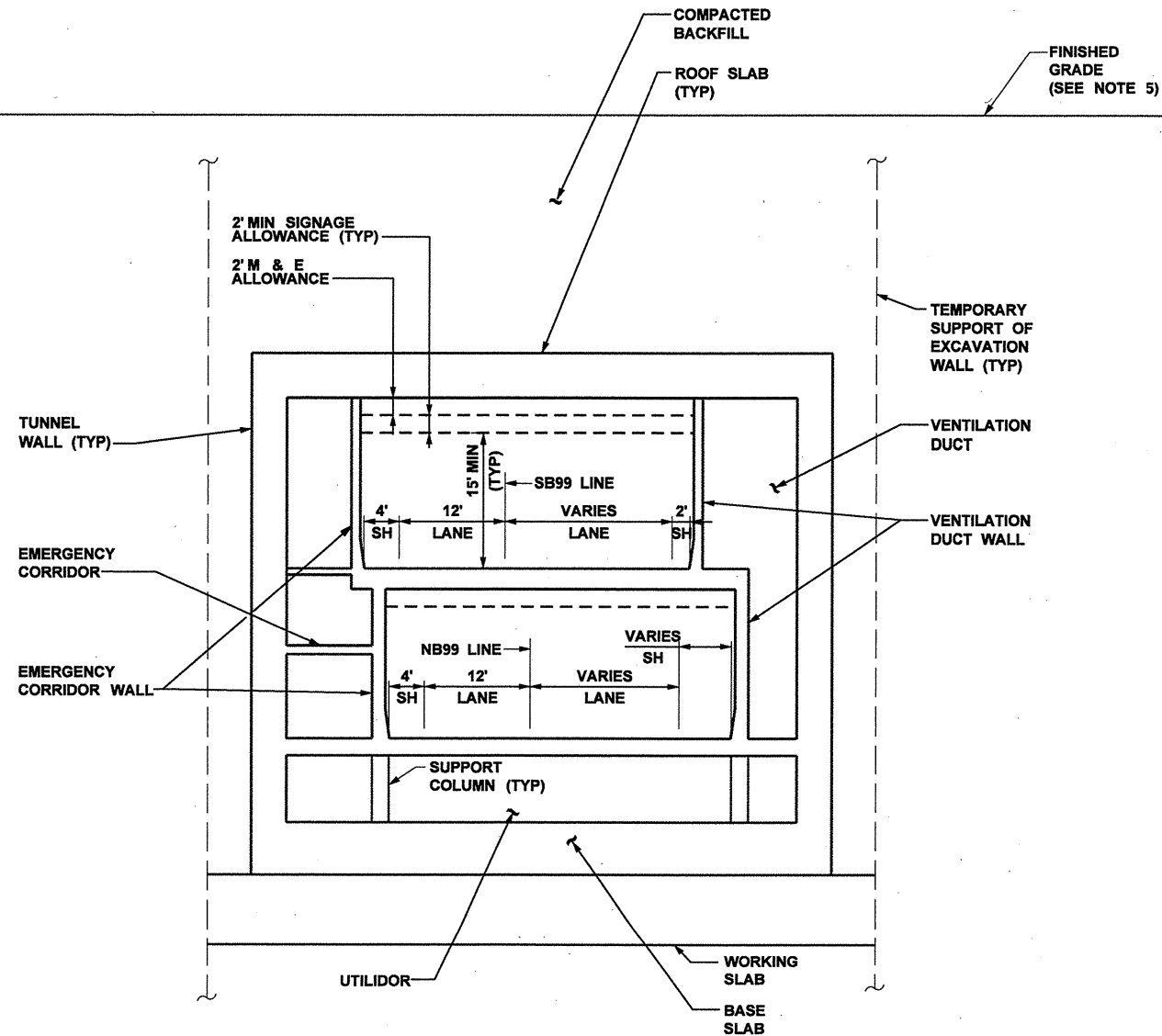
DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL
OPTION B SECTION D VENTILATION STRUCTURE

SD013
SHEET OF SHEETS

osbornd



NOTES:

1. THE DIMENSIONS SHOWN ARE CONCEPTUAL AND ARE PROVIDED FOR INFORMATION ONLY. THE CONTRACTOR MAY NOT RELY ON DIMENSIONS SHOWN AS THE BASIS OF ITS BID. THE DIMENSIONS SHALL BE DETERMINED BY THE CONTRACTOR IN ACCORDANCE WITH THE APPROVED DESIGN CRITERIA.
2. THE TEMPORARY SUPPORT OF EXCAVATION WALLS SHOWN ARE CONCEPTUAL. ADDITIONAL TEMPORARY SUPPORT OF EXCAVATION WALLS MAY BE REQUIRED TO SATISFY CONSTRUCTION AND TRAFFIC STAGING.
3. EXISTING AND PROPOSED UTILITIES NOT SHOWN.
4. DRAWINGS SHOW FINAL CONDITION OF COMPLETED STRUCTURE ONLY AND DO NOT DISTINGUISH BETWEEN DIFFERENT CONTRACTS. TEMPORARY DETOUR AND CONSTRUCTION SEQUENCING STRUCTURES MAY ALSO BE NECESSARY AT INTERIM STAGES.
5. FOR SURFACE ROAD INFORMATION, SEE CIVIL AND URBAN DESIGN DRAWINGS.
6. ALL EXTERIOR SURFACES OF CUT-AND-COVER TUNNEL AND RETAINED CUT SHALL BE WATERPROOFED.
7. TEMPORARY SUPPORT OF EXCAVATION WALLS MAY BE BRACED WITH INTERNAL STRUTS OR EXTERNAL TIEBACKS. TIEBACKS MAY EXTEND BEYOND PROJECT LIMITS AND REQUIRE TEMPORARY EASEMENTS.

SECTION

SB99 STA 198+00

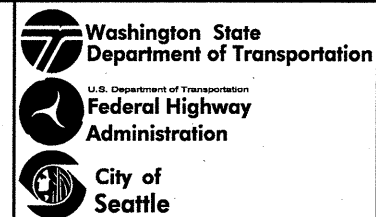
E
SD003

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME	c:\aawork\pwwork\law\osbornd\dms08450\160073T00CQSD014.dlv		
TIME	1:43:12 PM		
DATE	2/5/2010		
PLOTTED BY	osbornd		
DESIGNED BY			
ENTERED BY			
CHECKED BY			
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	
REGION NO.	STATE	FED. AID PROJ. NO.	
10	WASH		
JOB NUMBER			
CONTRACT NO.	LOCATION NO.		



DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



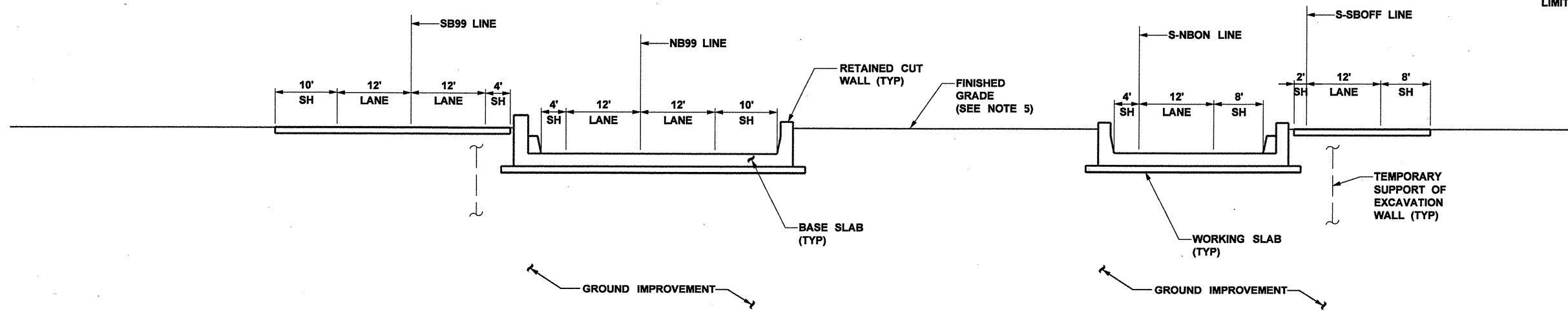
**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
OPTION B
SECTION E SOUTH OF KING ST

SD014

SHEET
OF
SHEETS

osbornd

- NOTES:**
1. THE DIMENSIONS SHOWN ARE CONCEPTUAL AND ARE PROVIDED FOR INFORMATION ONLY. THE CONTRACTOR MAY NOT RELY ON DIMENSIONS SHOWN AS THE BASIS OF ITS BID. THE DIMENSIONS SHALL BE DETERMINED BY THE CONTRACTOR IN ACCORDANCE WITH THE APPROVED DESIGN CRITERIA.
 2. THE TEMPORARY SUPPORT OF EXCAVATION WALLS SHOWN ARE CONCEPTUAL. ADDITIONAL TEMPORARY SUPPORT OF EXCAVATION WALLS MAY BE REQUIRED TO SATISFY CONSTRUCTION AND TRAFFIC STAGING.
 3. EXISTING AND PROPOSED UTILITIES NOT SHOWN.
 4. DRAWINGS SHOW FINAL CONDITION OF COMPLETED STRUCTURE ONLY AND DO NOT DISTINGUISH BETWEEN DIFFERENT CONTRACTS. TEMPORARY DETOUR AND CONSTRUCTION SEQUENCING STRUCTURES MAY ALSO BE NECESSARY AT INTERIM STAGES.
 5. FOR SURFACE ROAD INFORMATION, SEE CIVIL AND URBAN DESIGN DRAWINGS.
 6. ALL EXTERIOR SURFACES OF CUT-AND-COVER TUNNEL AND RETAINED CUT SHALL BE WATERPROOFED.
 7. TEMPORARY SUPPORT OF EXCAVATION WALLS MAY BE BRACED WITH INTERNAL STRUTS OR EXTERNAL TIEBACKS. TIEBACKS MAY EXTEND BEYOND PROJECT LIMITS AND REQUIRE TEMPORARY EASEMENTS.



SECTION
SB99 STA 185+00



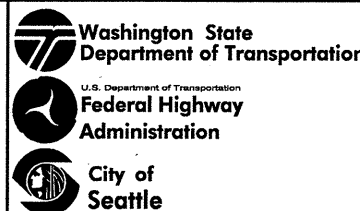
* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

osbornd

FILE NAME		c:\aawork\pwwork\law\osbornd\dms08450\160073T00CQSD015.dwg	
TIME	1:43:16 PM	REGION NO.	STATE
DATE	2/5/2010	10	WASH
PLOTTED BY	osbornd	JOB NUMBER	
DESIGNED BY	C. KIRANDAG	CONTRACT NO.	
ENTERED BY	D. OSBORNE	LOCATION NO.	
CHECKED BY	E. PEIFFER		
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN	REVISION	DATE BY



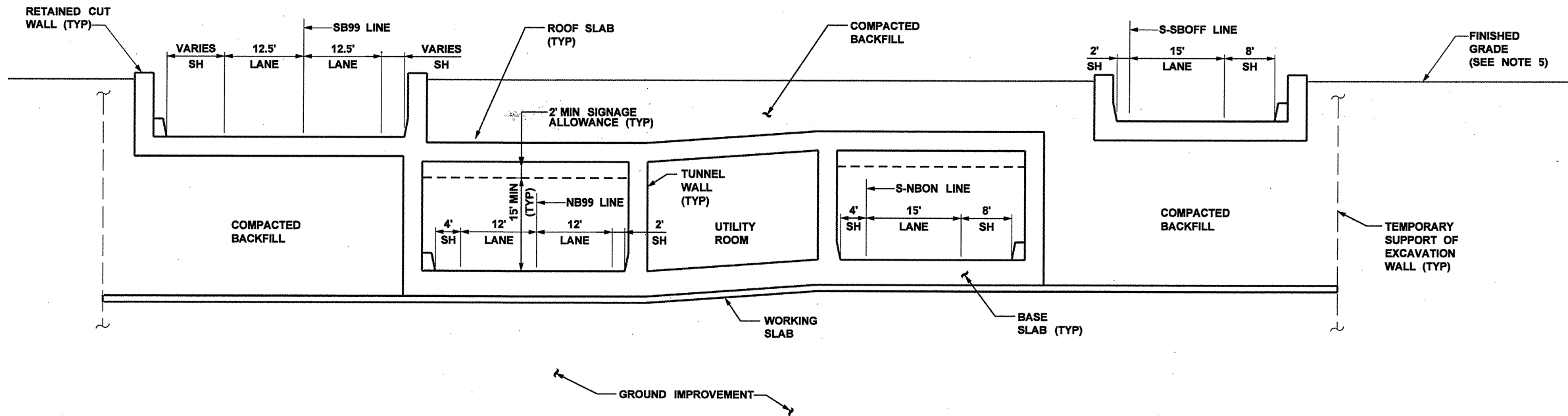
DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
OPTION D
SECTION A SOUTH OF PLUMMER ST

SD015
SHEET
OF
SHEETS

- NOTES:**
1. THE DIMENSIONS SHOWN ARE CONCEPTUAL AND ARE PROVIDED FOR INFORMATION ONLY. THE CONTRACTOR MAY NOT RELY ON DIMENSIONS SHOWN AS THE BASIS OF ITS BID. THE DIMENSIONS SHALL BE DETERMINED BY THE CONTRACTOR IN ACCORDANCE WITH THE APPROVED DESIGN CRITERIA.
 2. THE TEMPORARY SUPPORT OF EXCAVATION WALLS SHOWN ARE CONCEPTUAL. ADDITIONAL TEMPORARY SUPPORT OF EXCAVATION WALLS MAY BE REQUIRED TO SATISFY CONSTRUCTION AND TRAFFIC STAGING.
 3. EXISTING AND PROPOSED UTILITIES NOT SHOWN.
 4. DRAWINGS SHOW FINAL CONDITION OF COMPLETED STRUCTURE ONLY AND DO NOT DISTINGUISH BETWEEN DIFFERENT CONTRACTS. TEMPORARY DETOUR AND CONSTRUCTION SEQUENCING STRUCTURES MAY ALSO BE NECESSARY AT INTERIM STAGES.
 5. FOR SURFACE ROAD INFORMATION, SEE CIVIL AND URBAN DESIGN DRAWINGS.
 6. ALL EXTERIOR SURFACES OF CUT-AND-COVER TUNNEL AND RETAINED CUT SHALL BE WATERPROOFED.
 7. TEMPORARY SUPPORT OF EXCAVATION WALLS MAY BE BRACED WITH INTERNAL STRUTS OR EXTERNAL TIEBACKS. TIEBACKS MAY EXTEND BEYOND PROJECT LIMITS AND REQUIRE TEMPORARY EASEMENTS.



SECTION
SB99 STA 189+25 B
SD005

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME	c:\aawork\pwwork\law\osbornd\dms08450\160073T00CQSD016.dlv		
TIME	1:43:20 PM		
DATE	2/5/2010		
PLOTTED BY	osbornd		
DESIGNED BY	C. KIRANDAG		
ENTERED BY	D. OSBORNE		
CHECKED BY	E. PEIFFER		
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	
REGION NO.	STATE	FED. AID PROJ. NO.	
10	WASH		
JOB NUMBER			
CONTRACT NO.	LOCATION NO.		

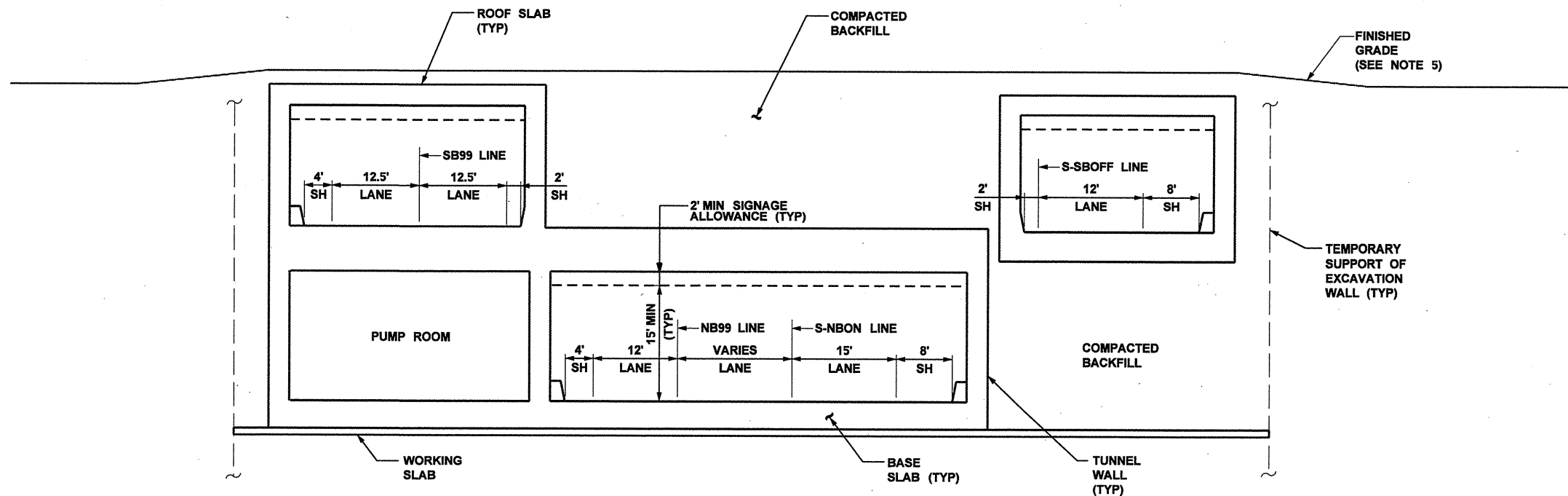


DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
**OPTION D
SECTION B CHARLES ST**

SD016
SHEET
OF
SHEETS



- NOTES:**
1. THE DIMENSIONS SHOWN ARE CONCEPTUAL AND ARE PROVIDED FOR INFORMATION ONLY. THE CONTRACTOR MAY NOT RELY ON DIMENSIONS SHOWN AS THE BASIS OF ITS BID. THE DIMENSIONS SHALL BE DETERMINED BY THE CONTRACTOR IN ACCORDANCE WITH THE APPROVED DESIGN CRITERIA.
 2. THE TEMPORARY SUPPORT OF EXCAVATION WALLS SHOWN ARE CONCEPTUAL. ADDITIONAL TEMPORARY SUPPORT OF EXCAVATION WALLS MAY BE REQUIRED TO SATISFY CONSTRUCTION AND TRAFFIC STAGING.
 3. EXISTING AND PROPOSED UTILITIES NOT SHOWN.
 4. DRAWINGS SHOW FINAL CONDITION OF COMPLETED STRUCTURE ONLY AND DO NOT DISTINGUISH BETWEEN DIFFERENT CONTRACTS. TEMPORARY DETOUR AND CONSTRUCTION SEQUENCING STRUCTURES MAY ALSO BE NECESSARY AT INTERIM STAGES.
 5. FOR SURFACE ROAD INFORMATION, SEE CIVIL AND URBAN DESIGN DRAWINGS.
 6. ALL EXTERIOR SURFACES OF CUT-AND-COVER TUNNEL AND RETAINED CUT SHALL BE WATERPROOFED.
 7. TEMPORARY SUPPORT OF EXCAVATION WALLS MAY BE BRACED WITH INTERNAL STRUTS OR EXTERNAL TIEBACKS. TIEBACKS MAY EXTEND BEYOND PROJECT LIMITS AND REQUIRE TEMPORARY EASEMENTS.

SECTION
SB99 STA 191+50



* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME	c:\aawork\pwwork\law\osbornd\dms08450\160073T00CQSD017.dlv		
TIME	1:43:25 PM		
DATE	2/5/2010		
PLOTTED BY	osbornd		
DESIGNED BY			
ENTERED BY			
CHECKED BY			
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	



DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION

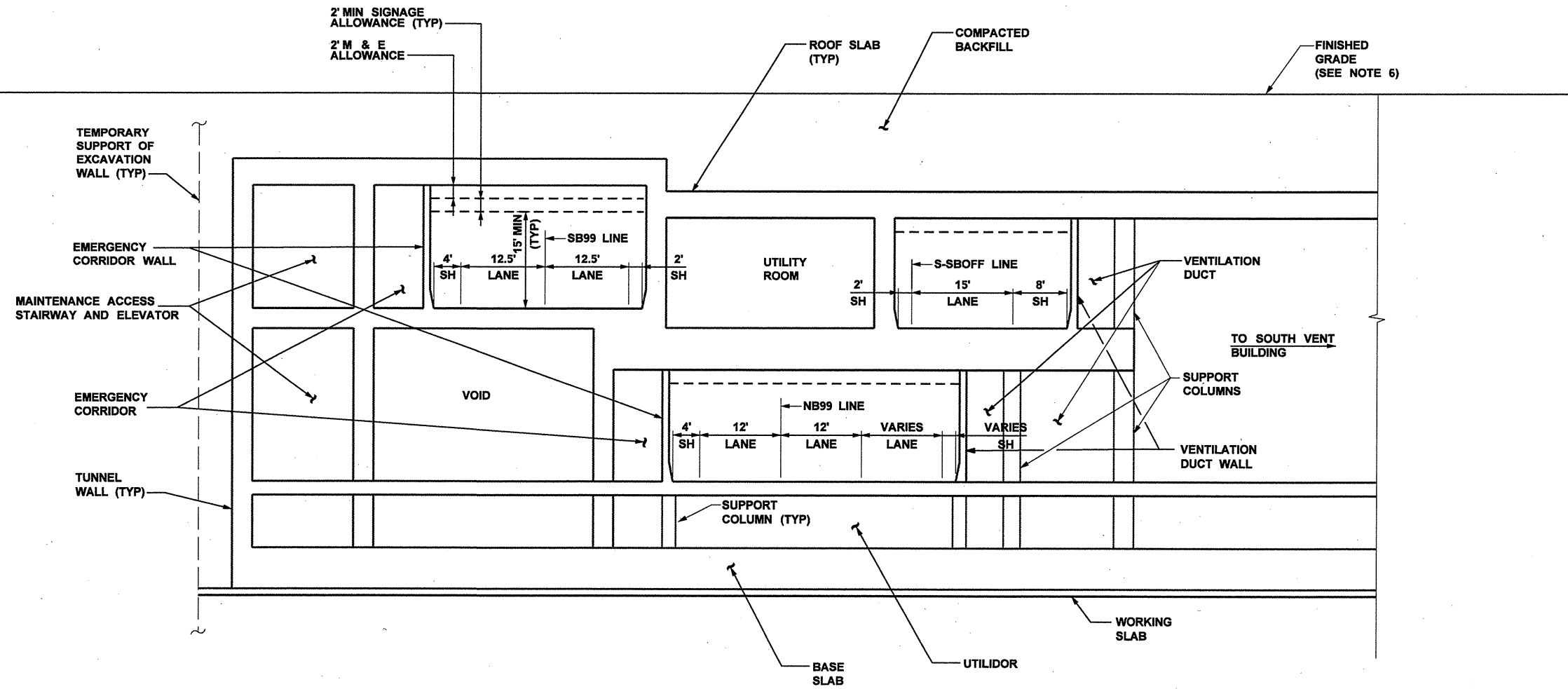


ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL
OPTION D
SECTION C SOUTH OF DEARBORN ST

SD017
SHEET OF SHEETS

osbornd

- NOTES:**
1. THE DIMENSIONS SHOWN ARE CONCEPTUAL AND ARE PROVIDED FOR INFORMATION ONLY. THE CONTRACTOR MAY NOT RELY ON DIMENSIONS SHOWN AS THE BASIS OF ITS BID. THE DIMENSIONS SHALL BE DETERMINED BY THE CONTRACTOR IN ACCORDANCE WITH THE APPROVED DESIGN CRITERIA.
 2. THE TEMPORARY SUPPORT OF EXCAVATION WALLS SHOWN ARE CONCEPTUAL. ADDITIONAL TEMPORARY SUPPORT OF EXCAVATION WALLS MAY BE REQUIRED TO SATISFY CONSTRUCTION AND TRAFFIC STAGING.
 3. SEE ARCHITECTURAL DRAWINGS FOR SOUTH VENT BUILDING DETAILS.
 4. EXISTING AND PROPOSED UTILITIES NOT SHOWN.
 5. DRAWINGS SHOW FINAL CONDITION OF COMPLETED STRUCTURE ONLY AND DO NOT DISTINGUISH BETWEEN DIFFERENT CONTRACTS. TEMPORARY DETOUR AND CONSTRUCTION SEQUENCING STRUCTURES MAY ALSO BE NECESSARY AT INTERIM STAGES.
 6. FOR SURFACE ROAD INFORMATION, SEE CIVIL AND URBAN DESIGN DRAWINGS.
 7. ALL EXTERIOR SURFACES OF CUT-AND-COVER TUNNEL AND RETAINED CUT SHALL BE WATERPROOFED.
 8. TEMPORARY SUPPORT OF EXCAVATION WALLS MAY BE BRACED WITH INTERNAL STRUTS OR EXTERNAL TIEBACKS. TIEBACKS MAY EXTEND BEYOND PROJECT LIMITS AND REQUIRE TEMPORARY EASEMENTS.



SECTION
SB99 STA 193+75

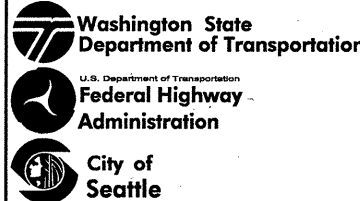


* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME	c:\aawork\pwwork\law\losbornd\ldms08450\160073T00CQSD018.dwg		
TIME	1:43:29 PM		
DATE	2/5/2010		
PLOTTED BY	osbornd		
DESIGNED BY	C. KIRANDAG		
ENTERED BY	D. OSBORNE		
CHECKED BY	E. PEIFFER		
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	
REGION NO.	STATE	FED. AID PROJ. NO.	
10	WASH		
JOB NUMBER			
CONTRACT NO.	LOCATION NO.		



DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION

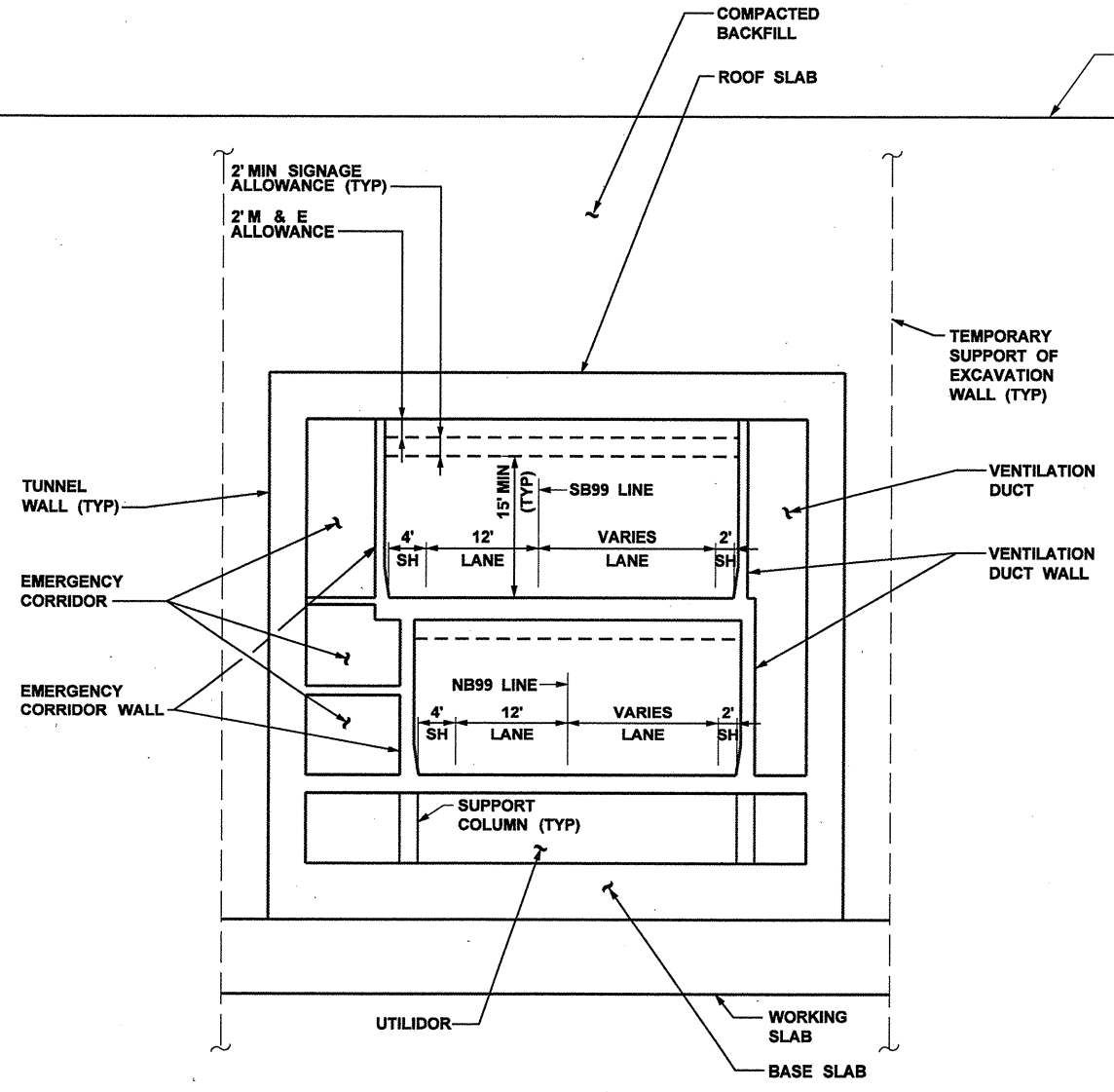


ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL
OPTION D SECTION D VENTILATION STRUCTURE

SD018
SHEET OF SHEETS

osbornd

- NOTES:**
1. THE DIMENSIONS SHOWN ARE CONCEPTUAL AND ARE PROVIDED FOR INFORMATION ONLY. THE CONTRACTOR MAY NOT RELY ON DIMENSIONS SHOWN AS THE BASIS OF ITS BID. THE DIMENSIONS SHALL BE DETERMINED BY THE CONTRACTOR IN ACCORDANCE WITH THE APPROVED DESIGN CRITERIA.
 2. THE TEMPORARY SUPPORT OF EXCAVATION WALLS SHOWN ARE CONCEPTUAL. ADDITIONAL TEMPORARY SUPPORT OF EXCAVATION WALLS MAY BE REQUIRED TO SATISFY CONSTRUCTION AND TRAFFIC STAGING.
 3. EXISTING AND PROPOSED UTILITIES NOT SHOWN.
 4. DRAWINGS SHOW FINAL CONDITION OF COMPLETED STRUCTURE ONLY AND DO NOT DISTINGUISH BETWEEN DIFFERENT CONTRACTS. TEMPORARY DETOUR AND CONSTRUCTION SEQUENCING STRUCTURES MAY ALSO BE NECESSARY AT INTERIM STAGES.
 5. FOR SURFACE ROAD INFORMATION, SEE CIVIL AND URBAN DESIGN DRAWINGS.
 6. ALL EXTERIOR SURFACES OF CUT-AND-COVER TUNNEL AND RETAINED CUT SHALL BE WATERPROOFED.
 7. TEMPORARY SUPPORT OF EXCAVATION WALLS MAY BE BRACED WITH INTERNAL STRUTS OR EXTERNAL TIEBACKS. TIEBACKS MAY EXTEND BEYOND PROJECT LIMITS AND REQUIRE TEMPORARY EASEMENTS.



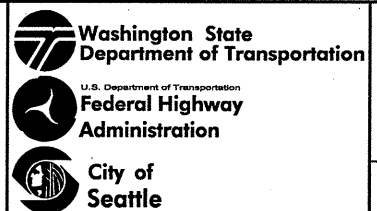
SECTION
SB99 STA 198+00 E SD006

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME c:\laawork\pwwork\law\osbornd\lms08450\160073T00CQSD019.dwg		REGION NO. 10	STATE WASH	FED. AID PROJ. NO.
TIME 1:43:33 PM		JOB NUMBER		
DATE 2/5/2010		CONTRACT NO.		LOCATION NO.
PLOTTED BY osbornd				
DESIGNED BY C. KIRANDAG				
ENTERED BY D. OSBORNE				
CHECKED BY E. PEIFFER				
PROJ. ENGR. S. EVERETT				
REGIONAL ADM. R. PAANANEN	REVISION	DATE	BY	



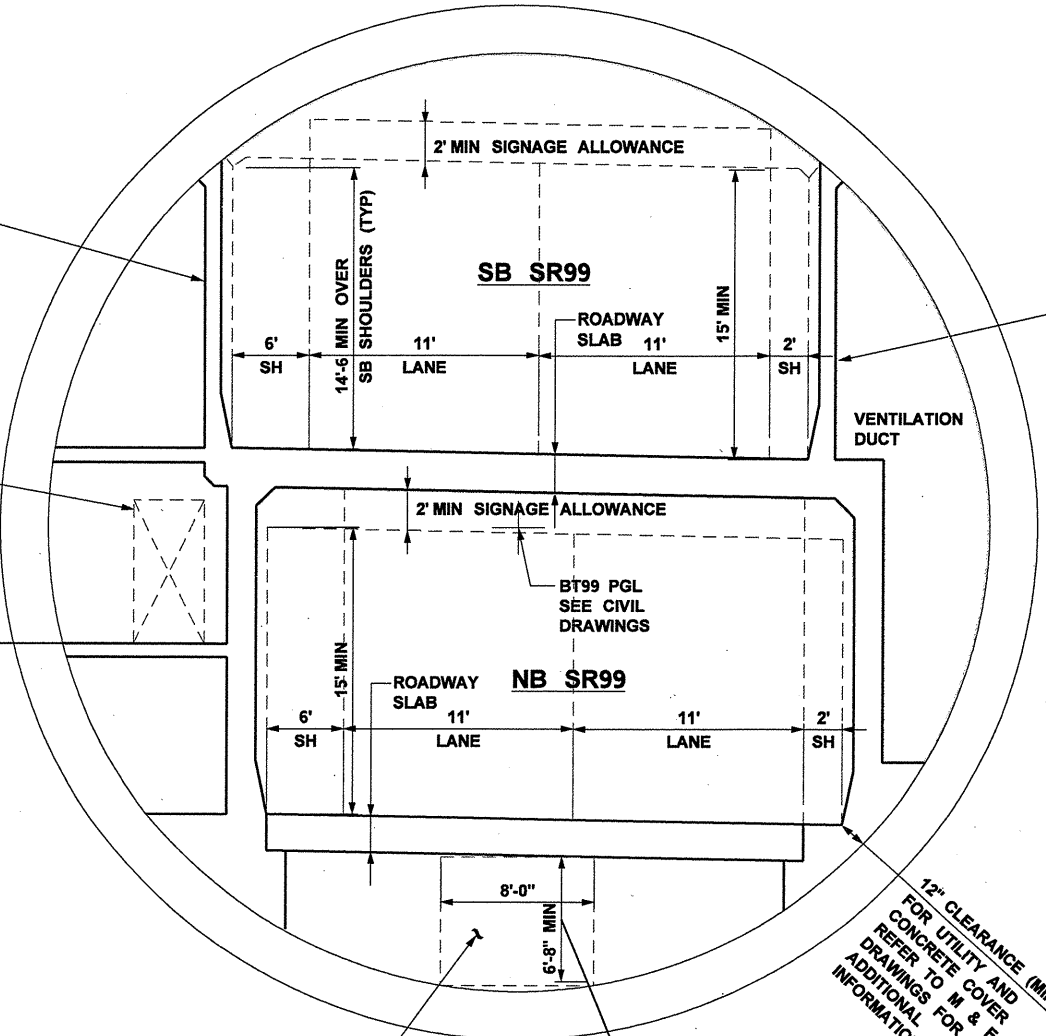
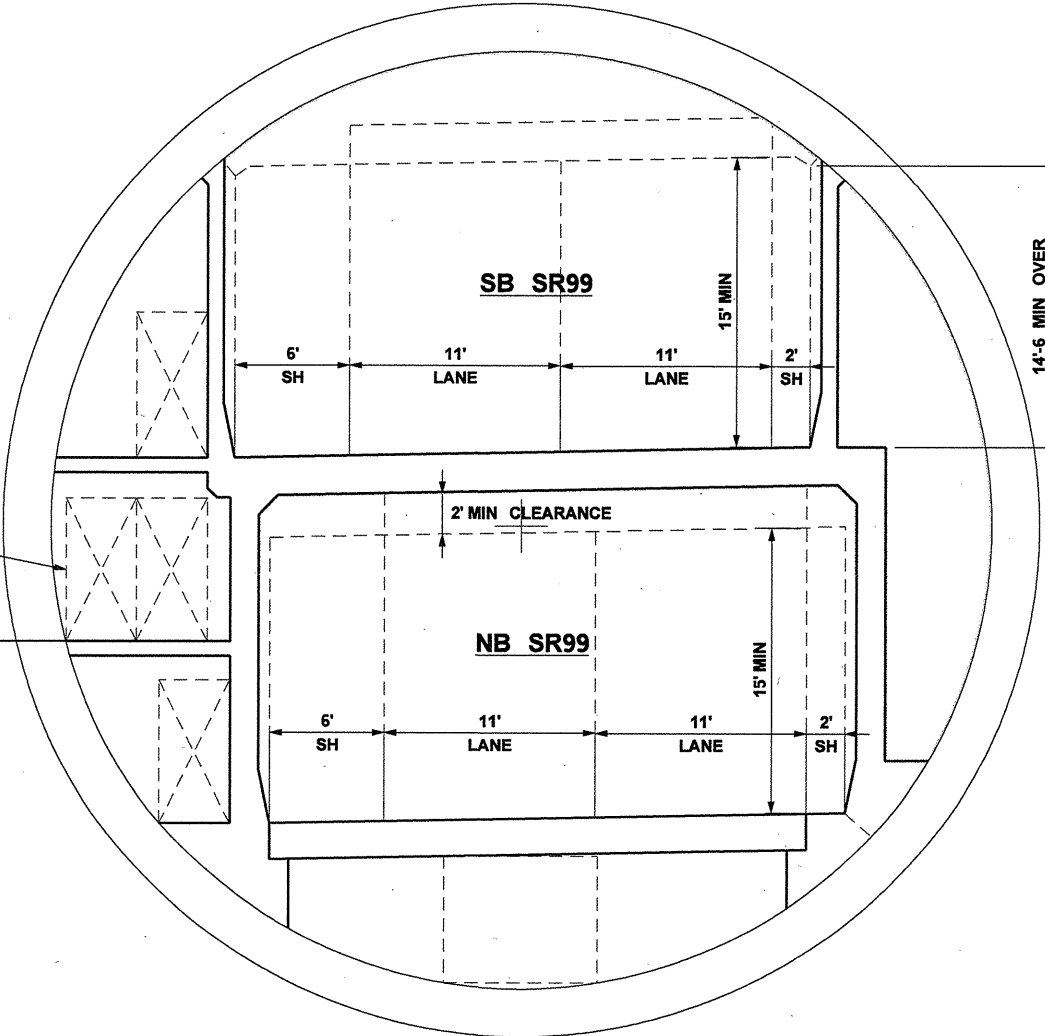
DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL
OPTION D
SECTION E SOUTH OF KING ST

SD019
SHEET OF SHEETS

osbornd



NOTES:
1. THE DIMENSIONS SHOWN ARE CONCEPTUAL AND ARE PROVIDED FOR INFORMATION ONLY. THE CONTRACTOR MAY NOT RELY ON DIMENSIONS SHOWN AS THE BASIS OF ITS BID. THE DIMENSIONS SHALL BE DETERMINED BY CONTRACTOR IN ACCORDANCE WITH THE APPROVED DESIGN CRITERIA.

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME	c:\aawork\pwwork\law\snider\dms08450160073T00CQSD020.dwg		
TIME	1:54:11 PM		
DATE	2/5/2010		
PLOTTED BY	snidera		
DESIGNED BY	C. KIRANDAG		
ENTERED BY	D. OSBORNE		
CHECKED BY	E. PEIFFER		
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	
REGION NO.	STATE	FED. AID PROJ. NO.	
10	WASH		
JOB NUMBER			
CONTRACT NO.	LOCATION NO.		



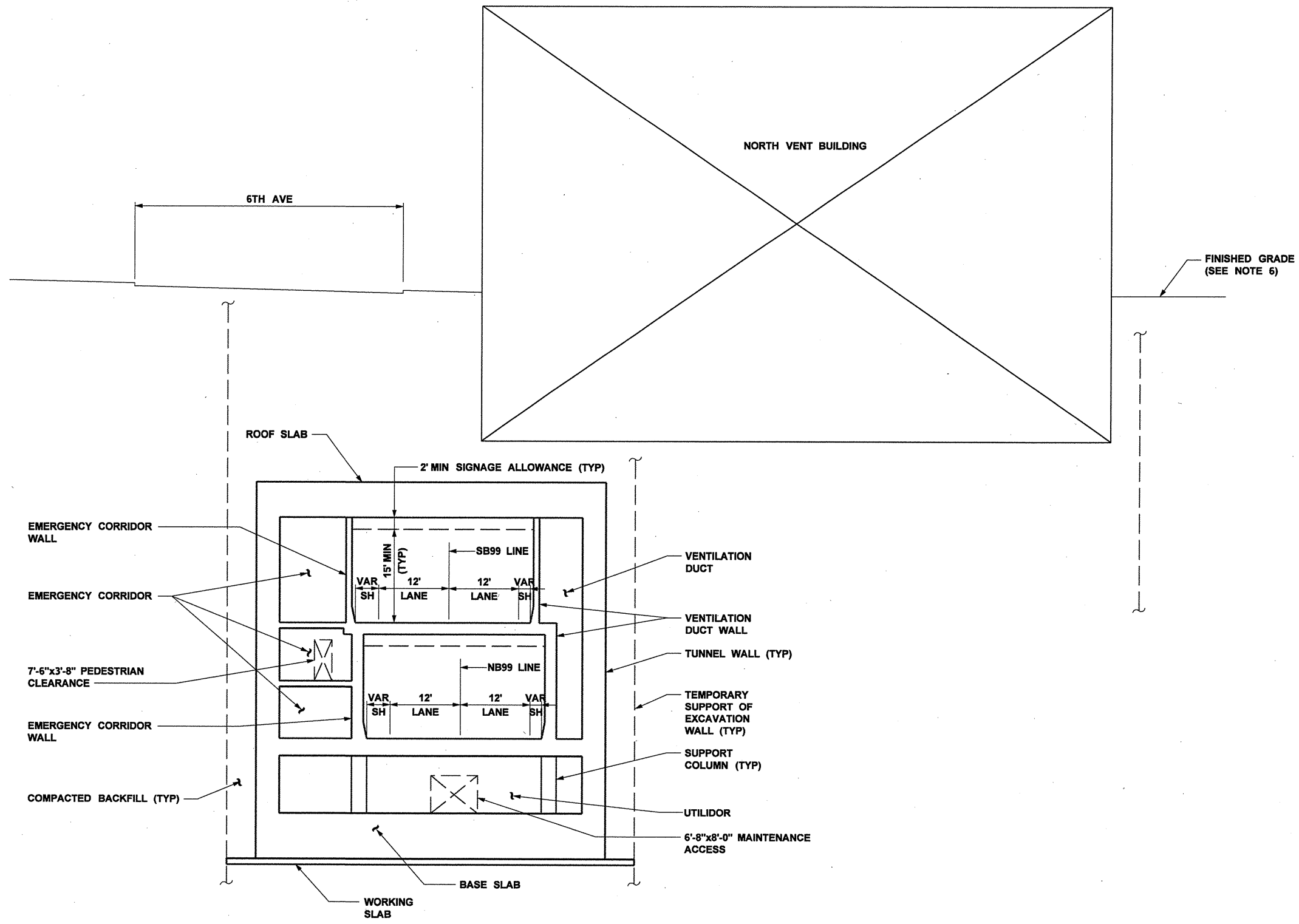
DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL
BORED TUNNEL SECTIONS TYPICAL AND EGRESS

SD020
SHEET OF SHEETS

snidera



- NOTES:**
1. THE DIMENSIONS SHOWN ARE CONCEPTUAL AND ARE PROVIDED FOR INFORMATION ONLY. THE CONTRACTOR MAY NOT RELY ON DIMENSIONS SHOWN AS THE BASIS OF ITS BID. THE DIMENSIONS SHALL BE DETERMINED BY THE CONTRACTOR IN ACCORDANCE WITH THE APPROVED DESIGN CRITERIA.
 2. THE TEMPORARY SUPPORT OF EXCAVATION WALLS SHOWN ARE CONCEPTUAL. ADDITIONAL TEMPORARY SUPPORT OF EXCAVATION WALLS MAY BE REQUIRED TO SATISFY CONSTRUCTION AND TRAFFIC STAGING.
 3. SEE ARCHITECTURAL DRAWINGS FOR NORTH VENT BUILDING DETAILS.
 4. EXISTING AND PROPOSED UTILITIES NOT SHOWN.
 5. DRAWINGS SHOW FINAL CONDITION OF COMPLETED STRUCTURE ONLY AND DO NOT DISTINGUISH BETWEEN DIFFERENT CONTRACTS. TEMPORARY DETOUR AND CONSTRUCTION SEQUENCING STRUCTURES MAY ALSO BE NECESSARY AT INTERIM STAGES.
 6. FOR SURFACE ROAD INFORMATION, SEE CIVIL AND URBAN DESIGN DRAWINGS.
 7. ALL EXTERIOR SURFACES OF CUT-AND-COVER TUNNEL AND RETAINED CUT SHALL BE WATERPROOFED.
 8. TEMPORARY SUPPORT OF EXCAVATION WALLS MAY BE BRACED WITH INTERNAL STRUTS OR EXTERNAL TIEBACKS. TIEBACKS MAY EXTEND BEYOND PROJECT LIMITS AND REQUIRE TEMPORARY EASEMENTS.

SECTION
NB99 STA 300+50

F
SD007

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

osbornd

FILE NAME	c:\aawork\pwwork\law\osbornd\ldms08450\160073T00CQSD021.dwg		
TIME	1:43:57 PM		
DATE	2/5/2010		
PLOTTED BY	osbornd		
DESIGNED BY	D. BELLOWES		
ENTERED BY	D. OSBORNE		
CHECKED BY	E. PEIFFER		
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	
JOB NUMBER		
CONTRACT NO.	LOCATION NO.	

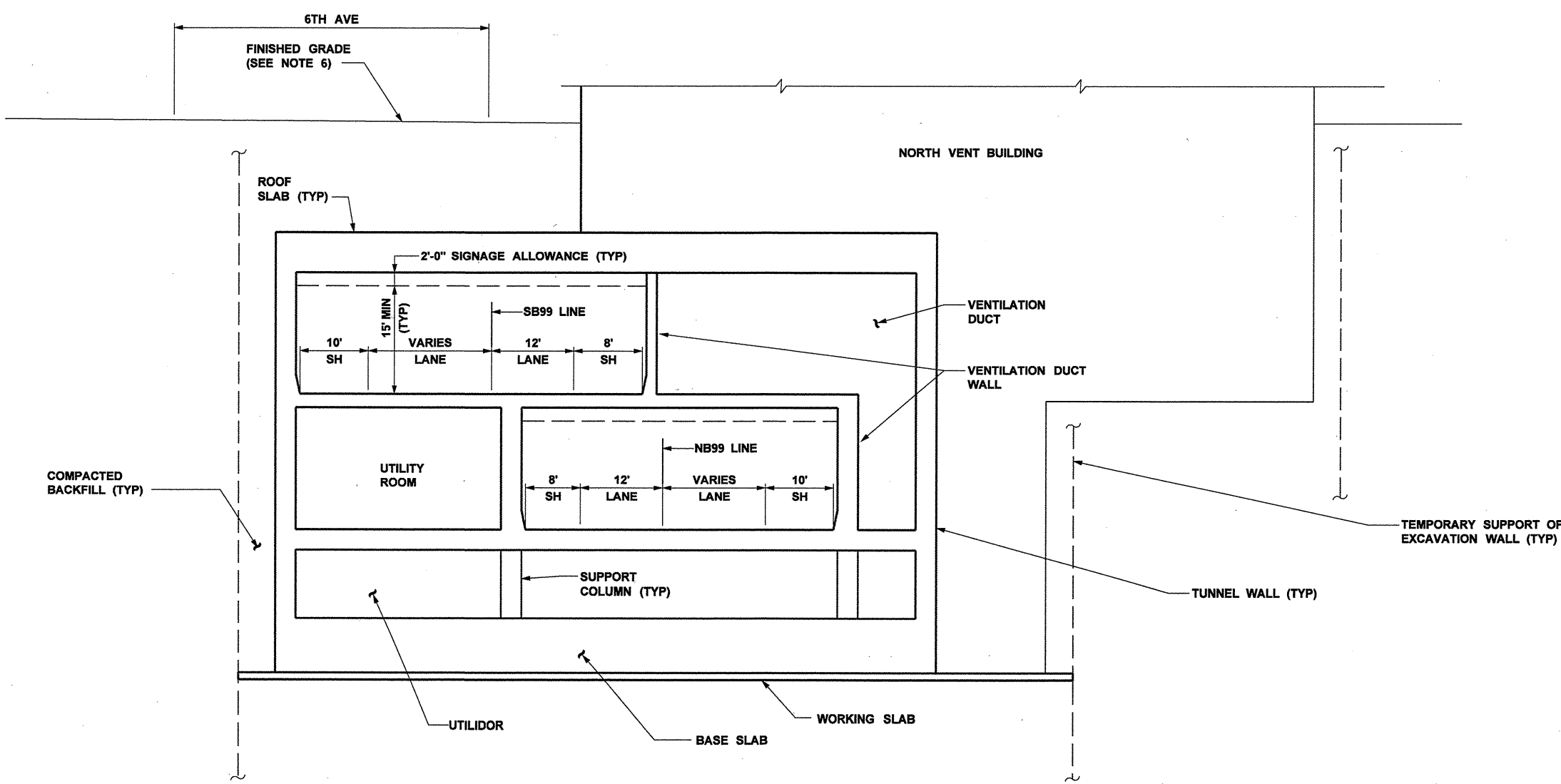
DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION

ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL

SECTION F NORTH OF THOMAS ST

SD021

SHEET OF SHEETS



- NOTES:**
1. THE DIMENSIONS SHOWN ARE CONCEPTUAL AND ARE PROVIDED FOR INFORMATION ONLY. THE CONTRACTOR MAY NOT RELY ON DIMENSIONS SHOWN AS THE BASIS OF ITS BID. THE DIMENSIONS SHALL BE DETERMINED BY THE CONTRACTOR IN ACCORDANCE WITH THE APPROVED DESIGN CRITERIA.
 2. THE TEMPORARY SUPPORT OF EXCAVATION WALLS SHOWN ARE CONCEPTUAL. ADDITIONAL TEMPORARY SUPPORT OF EXCAVATION WALLS MAY BE REQUIRED TO SATISFY CONSTRUCTION AND TRAFFIC STAGING.
 3. SEE ARCHITECTURAL DRAWINGS FOR NORTH VENT BUILDING DETAILS.
 4. EXISTING AND PROPOSED UTILITIES NOT SHOWN.
 5. DRAWINGS SHOW FINAL CONDITION OF COMPLETED STRUCTURE ONLY AND DO NOT DISTINGUISH BETWEEN DIFFERENT CONTRACTS. TEMPORARY DETOUR AND CONSTRUCTION SEQUENCING STRUCTURES MAY ALSO BE NECESSARY AT INTERIM STAGES.
 6. FOR SURFACE ROAD INFORMATION, SEE CIVIL AND URBAN DESIGN DRAWINGS.
 7. ALL EXTERIOR SURFACES OF CUT-AND-COVER TUNNEL AND RETAINED CUT SHALL BE WATERPROOFED.
 8. TEMPORARY SUPPORT OF EXCAVATION WALLS MAY BE BRACED WITH INTERNAL STRUTS OR EXTERNAL TIEBACKS. TIEBACKS MAY EXTEND BEYOND PROJECT LIMITS AND REQUIRE TEMPORARY EASEMENTS.

SECTION
NB99 STA 302+50



* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME c:\aawork\pwwork\law\osbornd\dms08450160073T00CQSD022.dwg		REGION NO.	STATE	FED. AID PROJ. NO.
TIME 1:44:01 PM		10	WASH	
DATE 2/5/2010		JOB NUMBER		
PLOTTED BY osbornd		CONTRACT NO.		LOCATION NO.
DESIGNED BY D. BELLOWES				
ENTERED BY D. OSBORNE				
CHECKED BY E. PEIFFER				
PROJ. ENGR. S. EVERETT				
REGIONAL ADM. R. PAANANEN	REVISION	DATE	BY	



DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



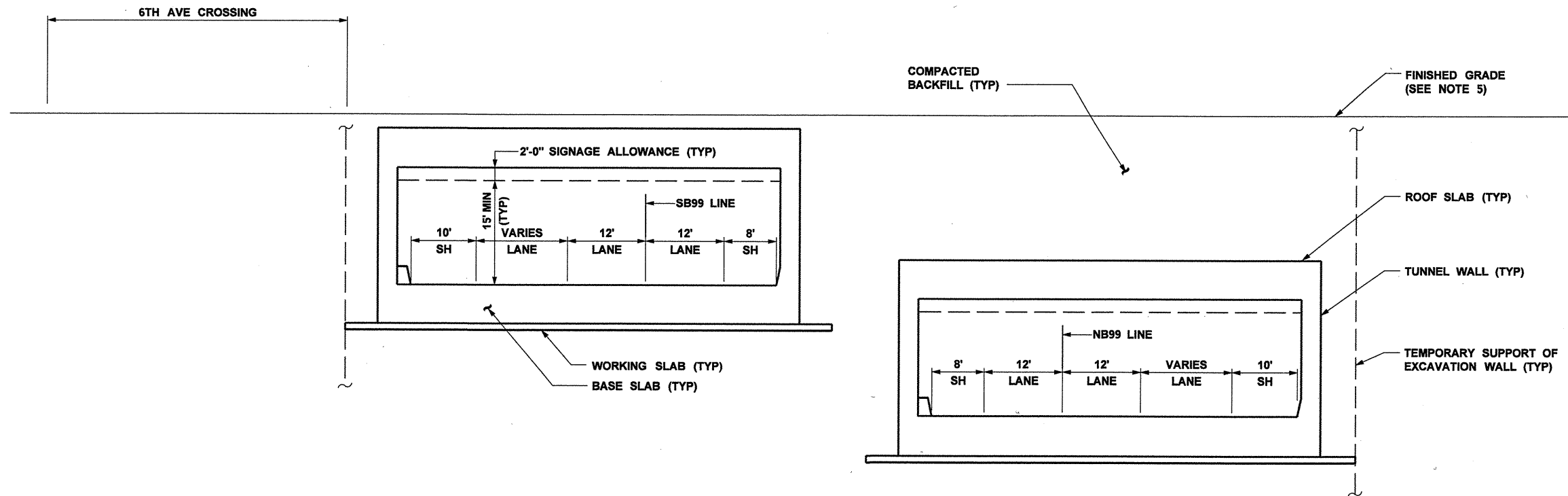
**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
SECTION G AT NORTH VENT BUILDING

SD022
SHEET
OF
SHEETS

osbornd

NOTES:

1. THE DIMENSIONS SHOWN ARE CONCEPTUAL AND ARE PROVIDED FOR INFORMATION ONLY. THE CONTRACTOR MAY NOT RELY ON DIMENSIONS SHOWN AS THE BASIS OF ITS BID. THE DIMENSIONS SHALL BE DETERMINED BY THE CONTRACTOR IN ACCORDANCE WITH THE APPROVED DESIGN CRITERIA.
2. THE TEMPORARY SUPPORT OF EXCAVATION WALLS SHOWN ARE CONCEPTUAL. ADDITIONAL TEMPORARY SUPPORT OF EXCAVATION WALLS MAY BE REQUIRED TO SATISFY CONSTRUCTION AND TRAFFIC STAGING.
3. EXISTING AND PROPOSED UTILITIES NOT SHOWN.
4. DRAWINGS SHOW FINAL CONDITION OF COMPLETED STRUCTURE ONLY AND DO NOT DISTINGUISH BETWEEN DIFFERENT CONTRACTS. TEMPORARY DETOUR AND CONSTRUCTION SEQUENCING STRUCTURES MAY ALSO BE NECESSARY AT INTERIM STAGES.
5. FOR SURFACE ROAD INFORMATION, SEE CIVIL AND URBAN DESIGN DRAWINGS.
6. ALL EXTERIOR SURFACES OF CUT-AND-COVER TUNNEL AND RETAINED CUT SHALL BE WATERPROOFED.
7. TEMPORARY SUPPORT OF EXCAVATION WALLS MAY BE BRACED WITH INTERNAL STRUTS OR EXTERNAL TIEBACKS. TIEBACKS MAY EXTEND BEYOND PROJECT LIMITS AND REQUIRE TEMPORARY EASEMENTS.



SECTION
NB99 STA 304+00



* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME	c:\aawork\pwwork\law\osbornd\dms08450\160073T00CQSD023.dlv		
TIME	1:44:04 PM		
DATE	2/5/2010		
PLOTTED BY	osbornd		
DESIGNED BY	D. BELLOWS		
ENTERED BY	D. OSBORNE		
CHECKED BY	E. PEIFFER		
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	
REGION NO.	STATE	FED. AID PROJ. NO.	
10	WASH		
JOB NUMBER			
CONTRACT NO.	LOCATION NO.		



DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION

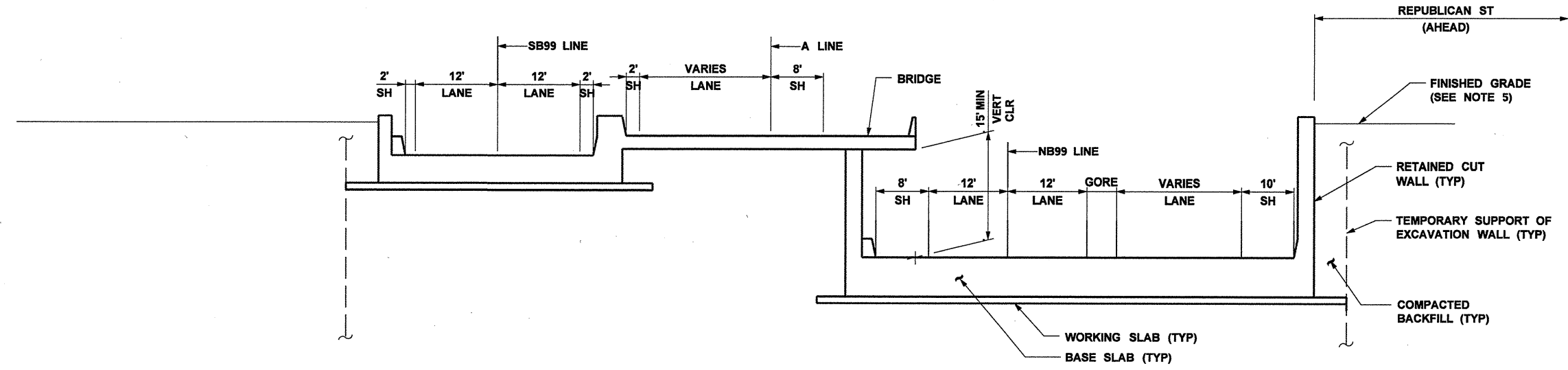


**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
SECTION H AT HARRISON ST

SD023
SHEET
OF
SHEETS

osbornd

- NOTES:**
1. THE DIMENSIONS SHOWN ARE CONCEPTUAL AND ARE PROVIDED FOR INFORMATION ONLY. THE CONTRACTOR MAY NOT RELY ON DIMENSIONS SHOWN AS THE BASIS OF ITS BID. THE DIMENSIONS SHALL BE DETERMINED BY THE CONTRACTOR IN ACCORDANCE WITH THE APPROVED DESIGN CRITERIA.
 2. THE TEMPORARY SUPPORT OF EXCAVATION WALLS SHOWN ARE CONCEPTUAL. ADDITIONAL TEMPORARY SUPPORT OF EXCAVATION WALLS MAY BE REQUIRED TO SATISFY CONSTRUCTION AND TRAFFIC STAGING.
 3. EXISTING AND PROPOSED UTILITIES NOT SHOWN.
 4. DRAWINGS SHOW FINAL CONDITION OF COMPLETED STRUCTURE ONLY AND DO NOT DISTINGUISH BETWEEN DIFFERENT CONTRACTS. TEMPORARY DETOUR AND CONSTRUCTION SEQUENCING STRUCTURES MAY ALSO BE NECESSARY AT INTERIM STAGES.
 5. FOR SURFACE ROAD INFORMATION, SEE CIVIL AND URBAN DESIGN DRAWINGS.
 6. ALL EXTERIOR SURFACES OF CUT-AND-COVER TUNNEL AND RETAINED CUT SHALL BE WATERPROOFED.
 7. TEMPORARY SUPPORT OF EXCAVATION WALLS MAY BE BRACED WITH INTERNAL STRUTS OR EXTERNAL TIEBACKS. TIEBACKS MAY EXTEND BEYOND PROJECT LIMITS AND REQUIRE TEMPORARY EASEMENTS.



SECTION
NB99 STA 307+50



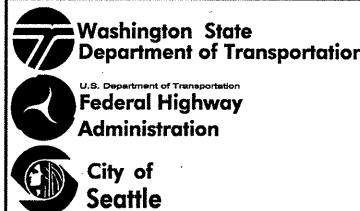
* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME	c:\aawork\pwwork\law\osbornd\dms08450\160073T00CQSD024.dlv		
TIME	1:44:08 PM		
DATE	2/5/2010		
PLOTTED BY	osbornd		
DESIGNED BY	D. BELLOWS		
ENTERED BY	D. OSBORNE		
CHECKED BY	E. PEIFFER		
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	
JOB NUMBER		
CONTRACT NO.	LOCATION NO.	



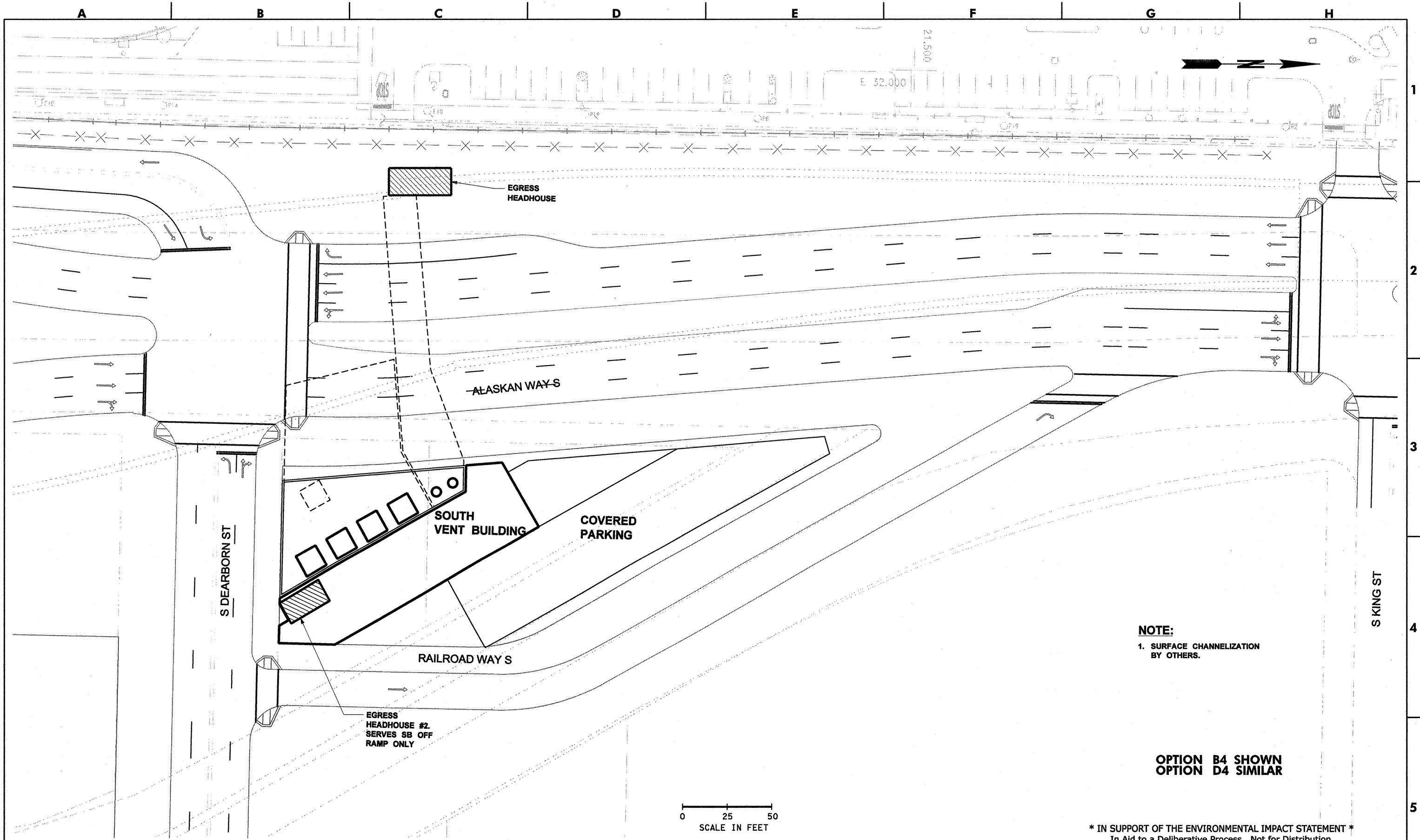
DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
SECTION I SOUTH OF REPUBLICAN ST

SD024
SHEET
OF
SHEETS

osbornd



FILE NAME	c:\aawork\pwwork\law\snider\alms08459\160073T00CQAR001.dwg		
TIME	10:34:37 AM		
DATE	2/5/2010		
PLOTTED BY	snidera		
DESIGNED BY			
ENTERED BY			
CHECKED BY			
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	
REGION NO.	STATE	FED. AID PROJ. NO.	
10	WASH		
JOB NUMBER			
CONTRACT NO.	LOCATION NO.		

0 25 50
SCALE IN FEET

NOTE:
1. SURFACE CHANNELIZATION BY OTHERS.

OPTION B4 SHOWN
OPTION D4 SIMILAR

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

snidera

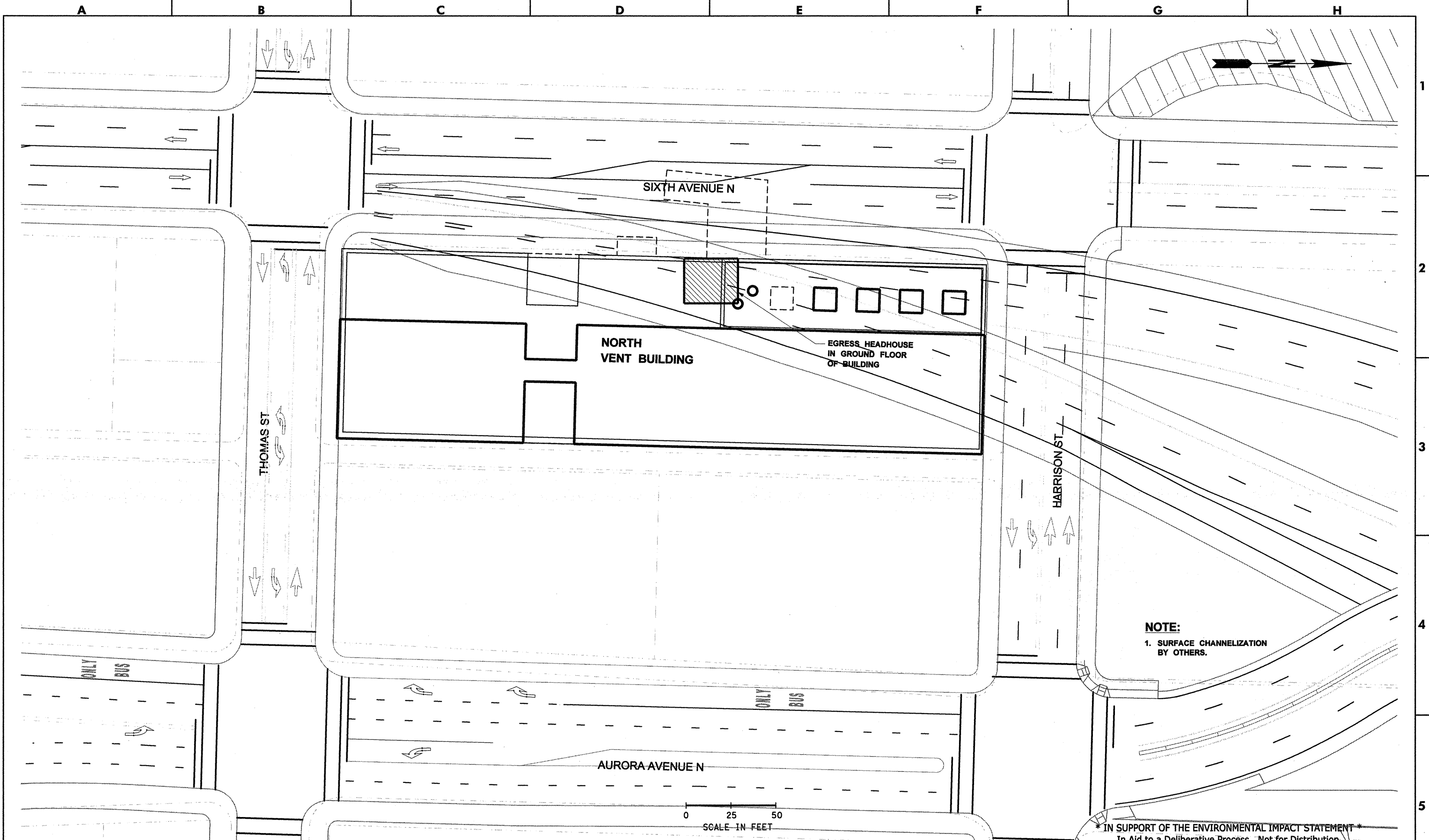


DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL
SITE PLAN SOUTH HEADHOUSE

AR001
SHEET OF SHEETS

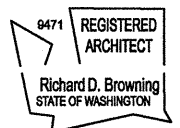


NOTE:
1. SURFACE CHANNELIZATION BY OTHERS.

0 25 50
SCALE IN FEET

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME		c:\aawork\pwwork\law\snidera\dms08459160073T00CQAR002.dwg	
TIME	10:34:03 AM	REGION NO.	STATE
DATE	2/5/2010	10	WASH
PLOTTED BY	snidera	JOB NUMBER	
DESIGNED BY		CONTRACT NO.	
ENTERED BY		LOCATION NO.	
CHECKED BY			
PROJ. ENGR.	S. EVERETT	REVISION	DATE BY
REGIONAL ADM.	R. PAANANEN		



DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



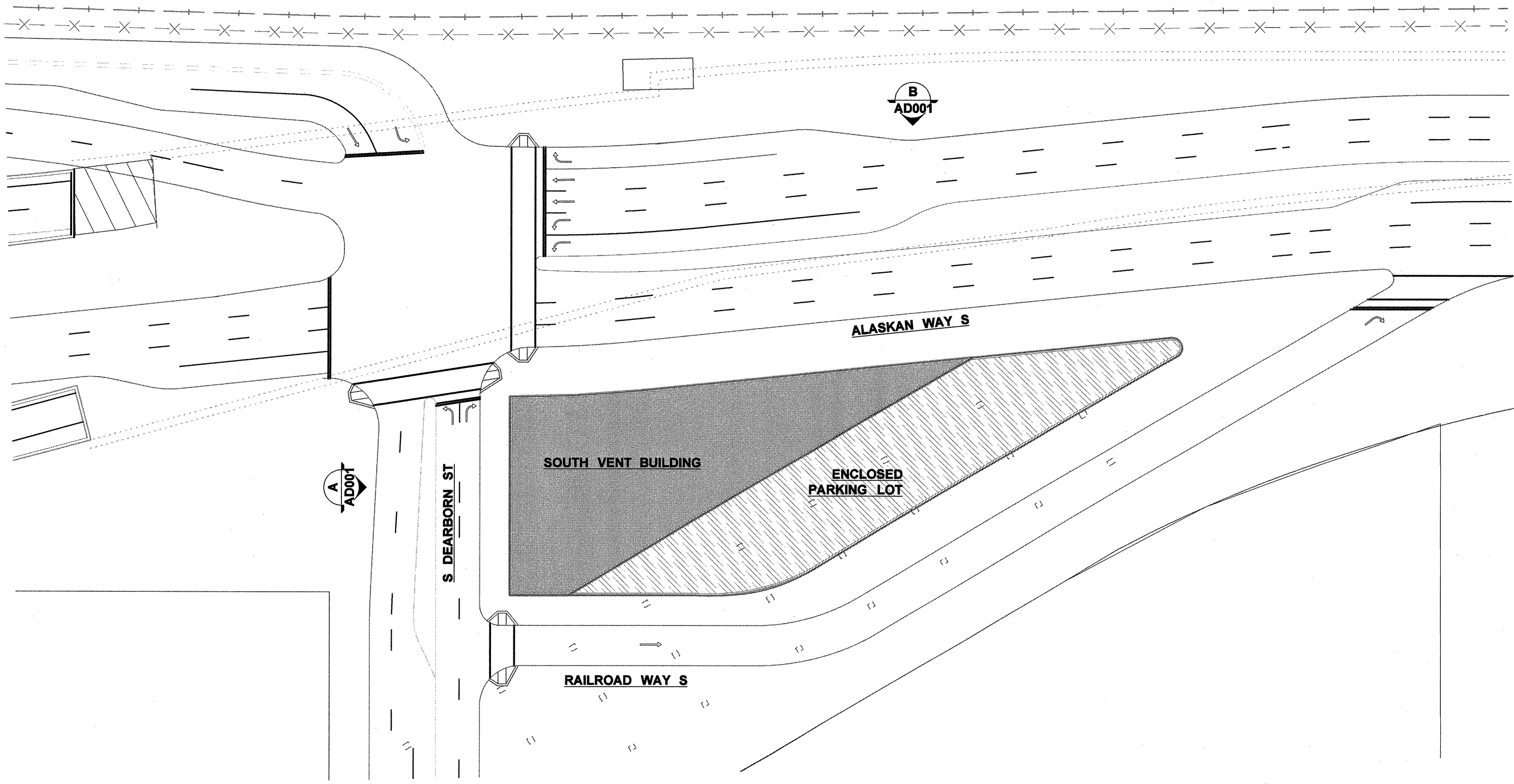
ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL
SITE PLAN NORTH HEADHOUSE

AR002
SHEET OF SHEETS

snidera

A B C D E F G H

1
2
3
4
5



SOUTH SITE PLAN
SCALE: 1" = 50'

0 25 50
SCALE IN FEET

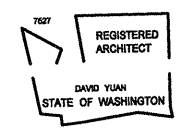


* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

snidera

FILE NAME		c:\aawork\pwwork\law\snidera\dms08439110774Sxx-CQAS101.dwg	
TIME		1:48:30 PM	
DATE		2/4/2010	
PLOTTED BY		snidera	
DESIGNED BY			
ENTERED BY			
CHECKED BY			
PROJ. ENGR.		S. EVERETT	
REGIONAL ADM.		R. PAANANEN	
REVISION	DATE	BY	

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	
JOB NUMBER		
CONTRACT NO.	LOCATION NO.	



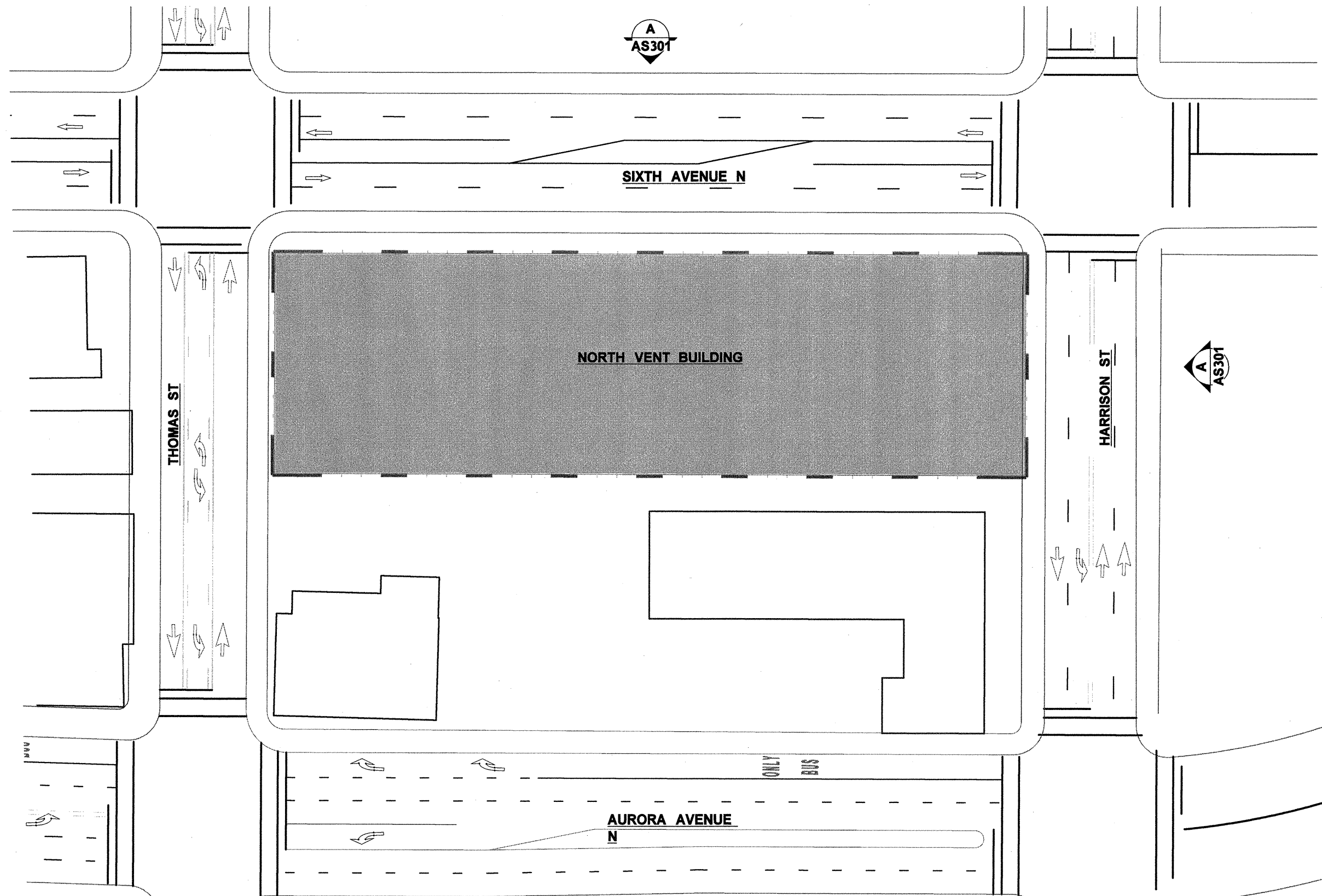
DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
SOUTH VENT BUILDING SITE PLAN

AS101
SHEET
OF
SHEETS

A B C D E F G H



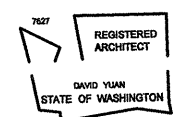
NORTH SITE PLAN

SCALE: 1" = 50'-0"

0 25 50
SCALE IN FEET

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME	c:\aawork\pwork\law\snider\dms08439110774Nxx-CQAS301.dwg		
TIME	1:52:07 PM		
DATE	2/4/2010		
PLOTTED BY	snidera		
DESIGNED BY			
ENTERED BY			
CHECKED BY			
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	
REGION NO.	STATE	FED. AID PROJ. NO.	
10	WASH		
JOB NUMBER			
CONTRACT NO.	LOCATION NO.		



DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL
NORTH VENT BUILDING SITE PLAN

AS301
SHEET OF SHEETS

snidera

A B C D E F G H

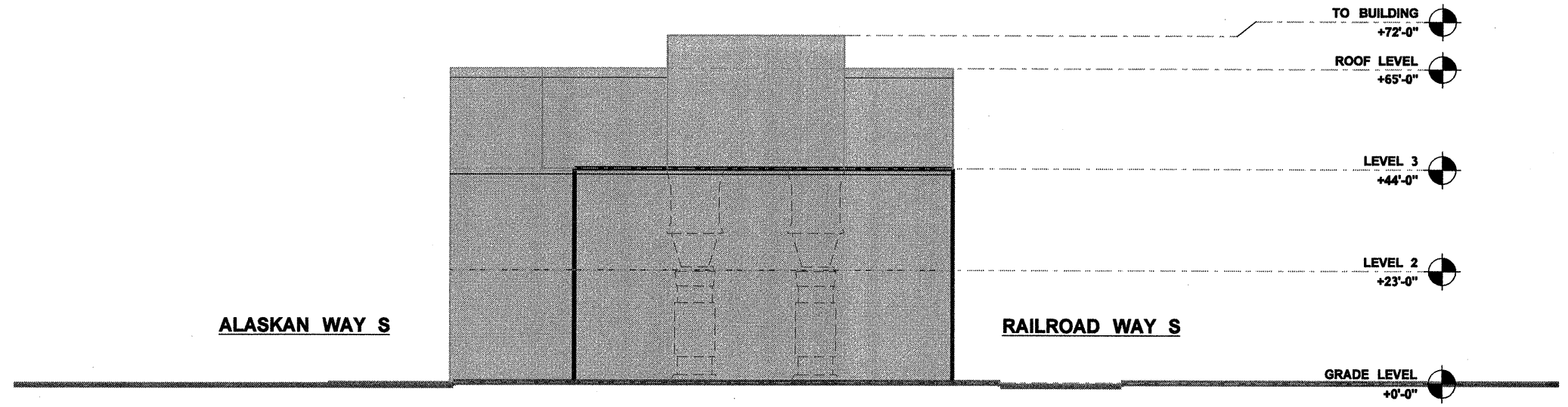
1

2

3

4

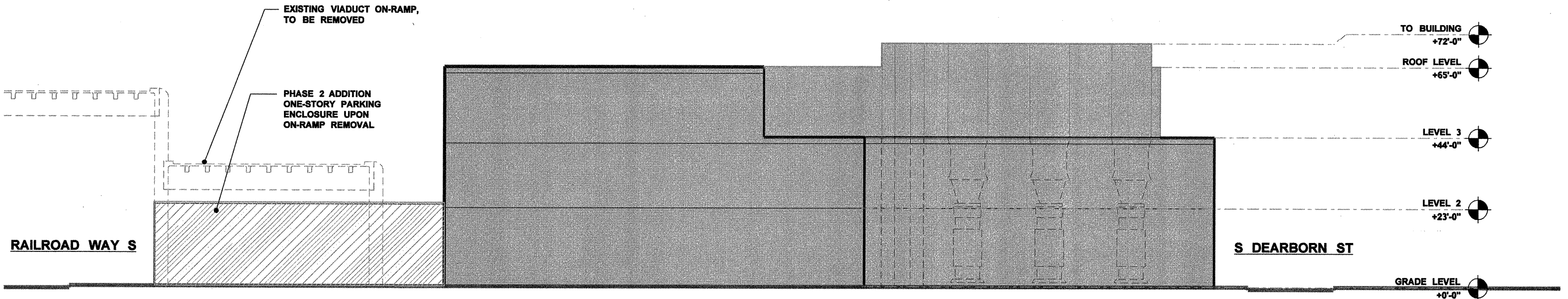
5



SOUTH ELEVATION

SCALE: 1" = 30'

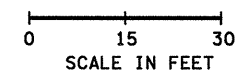
A
AS101



WEST ELEVATION

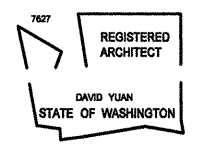
SCALE: 1" = 30'

B
AS101



* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME	c:\aawork\pwwork\law\snider\dms08439110774Sxx-CQAD001.dlv						
TIME	1:49:27 PM						
DATE	2/4/2010						
PLOTTED BY	snidera						
DESIGNED BY							
ENTERED BY							
CHECKED BY							
PROJ. ENGR.	S. EVERETT						
REGIONAL ADM.	R. PAANANEN						
REVISION							
DATE							
BY							
REGION NO.	10	STATE	WASH	FED. AID PROJ. NO.			
JOB NUMBER							
CONTRACT NO.	LOCATION NO.						



DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION

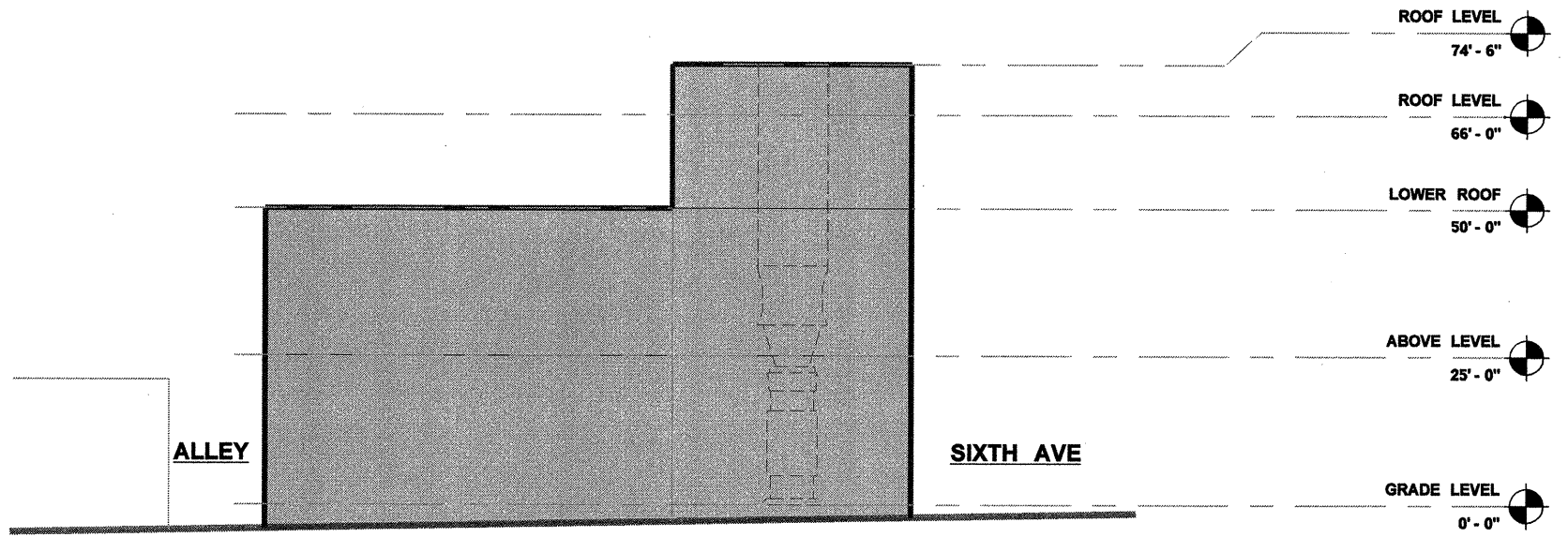


ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL
SOUTH VENT BUILDING ELEVATIONS

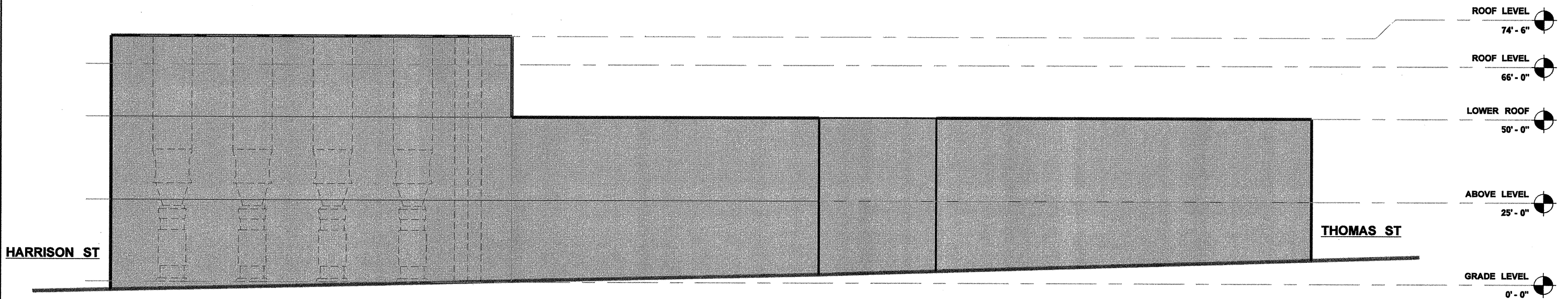
AD001
SHEET
OF
SHEETS

snidera

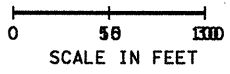
A B C D E F G H



NORTH ELEVATION A
 SCALE: 1" = 30'-0" AS301



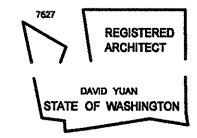
WEST ELEVATION B
 SCALE: 1" = 30'-0" AS301



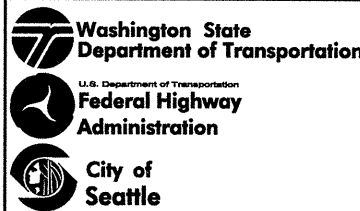
* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
 In Aid to a Deliberative Process. Not for Distribution.

FILE NAME c:\aawork\pwwork\law\snider\dms084391\0774Nxx-CQAD051.dlv			
TIME	1:53:45 PM		
DATE	2/4/2010		
PLOTTED BY	snidera		
DESIGNED BY			
ENTERED BY			
CHECKED BY			
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
	REVISION	DATE	BY

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	
JOB NUMBER		
CONTRACT NO.		LOCATION NO.



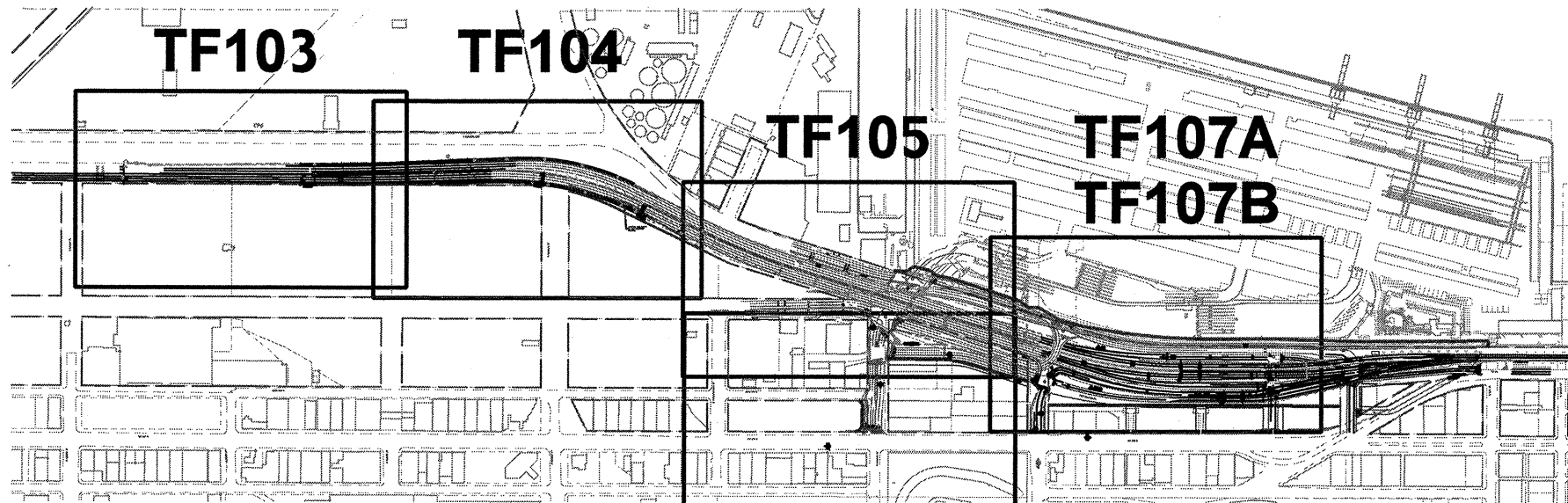
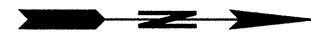
DRAFT
CONCEPTUAL DESIGN
 NOT FOR CONSTRUCTION



**ALASKAN WAY VIADUCT
 REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
NORTH BUILDING ELEVATIONS

AD051
 SHEET
 OF
 SHEETS

snidera



TF106

KEY PLAN

ABBREVIATIONS:

- CCTV CLOSED CIRCUIT TELEVISION
- VMS VARIABLE MESSAGE SIGN
- OHVD OVER HEIGHT VEHICLE DETECTION
- C CONDUIT

LEGEND:

- | | | |
|-----------------|------------|--|
| EXISTING | NEW | |
| | | ITS CABINET |
| | | CCTV CAMERA |
| | | SIDE MOUNT VMS SIGN |
| | | SIGN BRIDGE VMS |
| | | TRANSPONDER READER GANTRY |
| | | OHVD |
| | | TUNNEL CLOSURE GATE |
| | | TUNNEL CLOSURE SIGN |
| | | TYPE R1 OR R2 INDUCTION LOOP DETECTOR |
| | | COMMUNICATIONS HUB CABINET |
| | | CONDUIT |
| | | PULL BOX |
| | | TRANSFORMER CABINET |
| | | OVER HEIGHT VEHICLE WARNING SIGN WITH FLASHING BEACONS |
| | | CABLE VAULT |
| | | WARNING HORN |
| | | RAMP METER SIGN |
| | | RAMP METER SIGNAL |
| | | PORTAL VMS WITH FLASHERS AND SIGNALS |

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME		c:\aawork\pwwork\law\thiemek\dms0842416073T00CQTF100.dwg	
TIME	1:25:17 PM	REGION NO.	STATE
DATE	2/4/2010	10	WASH
PLOTTED BY	thiemek	JOB NUMBER	
DESIGNED BY		CONTRACT NO.	
ENTERED BY		FED. AID PROJ. NO.	
CHECKED BY		LOCATION NO.	
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN	REVISION	DATE BY



DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
**ITS
LEGEND AND KEY MAP SOUTH**

TF100
SHEET
OF
SHEETS

thiemek

A

B

C

D

E

F

G

H

LOCAL EQUIPMENT AT SOUTH PORTAL

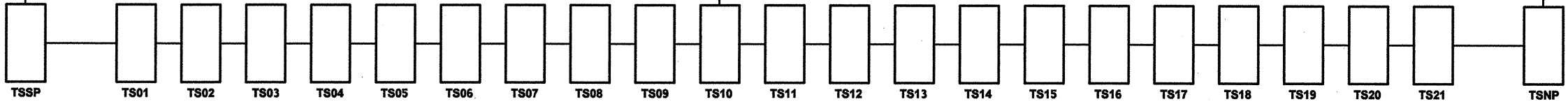
- VARIABLE MESSAGE SIGN (6) & INTEGRATE (2) VMS INSTALLED UNDER OTHER PROJECTS
- OVER HEIGHT VEHICLE DETECTION (2)
- PORTAL TRAFFIC SIGNAL (4)
- TUNNEL CLOSURE GATE (4)
- DETECTION LOOPS
- SURVEILLANCE CAMERA (4)
- TUNNEL CLOSURE SIGN (10)
- (POTENTIAL) TOLLING EQUIPMENT (8 LANES)
- OVER HEIGHT VEHICLE WARNING SIGNS WITH FLASHING BEACONS (1)
- RAMP METER (2)

LOCAL EQUIPMENT IN TUNNEL (TYP 21)

- VARIABLE MESSAGE SIGN (2)
- DETECTION LOOP (8)
- EMERGENCY TELEPHONE (7)
- INCIDENT DETECTION CAMERA (4)
- SURVEILLANCE CAMERA (2) (SURVEILLANCE CAMERAS ALTERNATE STATIONS)
- MAINTENANCE TELEPHONE (2)

LOCAL EQUIPMENT AT NORTH PORTAL

- VARIABLE MESSAGE SIGN (4) & INTEGRATE (1) VMS INSTALLED UNDER OTHER PROJECT
- OVER HEIGHT VEHICLE DETECTION (2)
- PORTAL TRAFFIC SIGNAL (3)
- TUNNEL CLOSURE GATE (3)
- DETECTION LOOPS
- SURVEILLANCE CAMERA (4)
- TUNNEL CLOSURE SIGN (4)
- OVER HEIGHT VEHICLE WARNING SIGNS WITH FLASHING BEACONS (1)



1

2

3

4

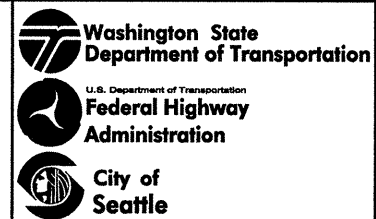
5

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME c:\aawork\pwwork\lawv\thiemek\dms08424\16073T00CQTF101.dlv			
TIME	1:25:21 PM	REGION NO.	STATE
DATE	2/4/2010	10	WASH
PLOTTED BY	thiemek	JOB NUMBER	
DESIGNED BY		CONTRACT NO.	LOCATION NO.
ENTERED BY			
CHECKED BY			
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN	REVISION	DATE BY



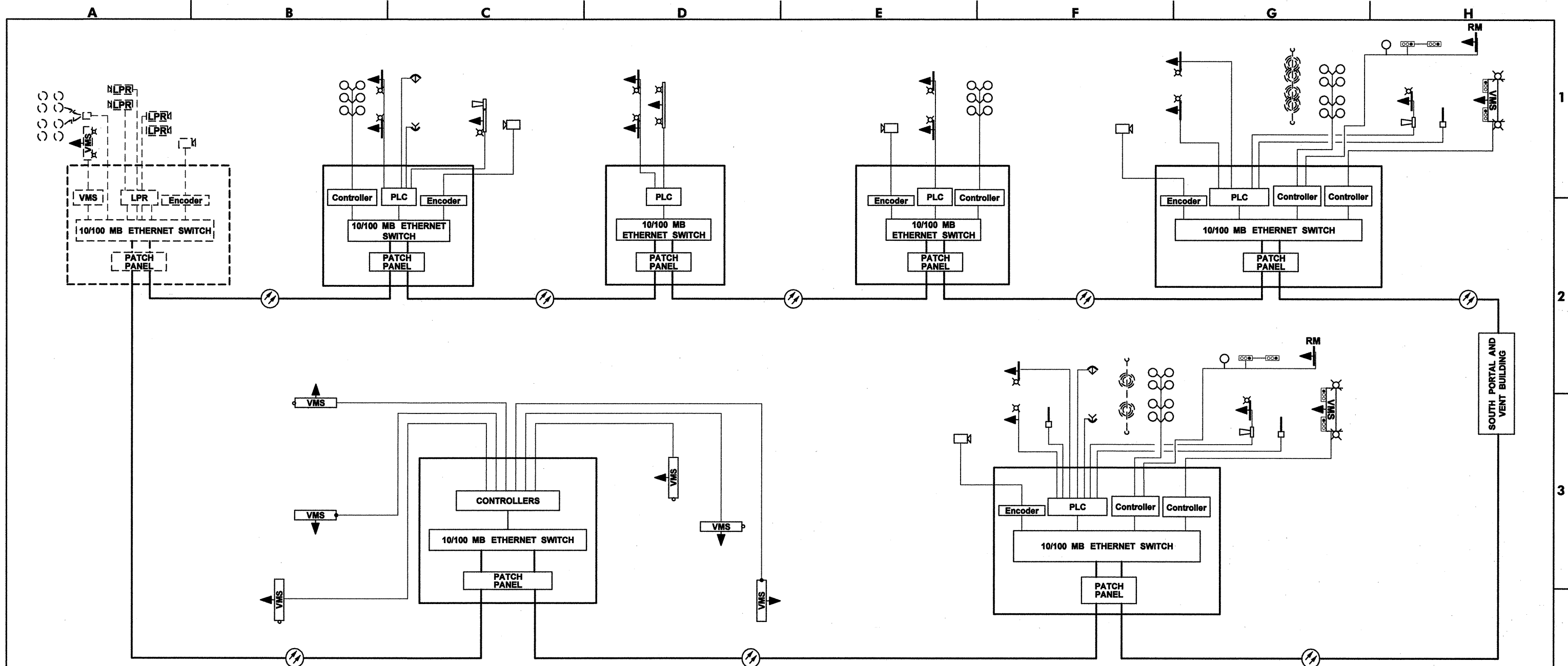
DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
**ITS
CORRIDOR WIDE ONE-LINE DIAGRAM**

TF101
SHEET
OF
SHEETS

thiemek



- LEGEND**
- RAMP METER SIGN
 - VARIABLE MESSAGE SIGN WITH FLASHERS AND SIGNALS
 - FIBER OPTIC NETWORK CABLE
 - WARNING HORN
 - TUNNEL CLOSURE GATE
 - LOOP DETECTOR
 - TUNNEL CLOSURE SIGN
 - OVERHEIGHT VEHICLE WARNING SIGN WITH FLASHERS
 - OHVD
 - CLOSED CIRCUIT TELEVISION (CCTV) CAMERA
 - SIDE MOUNTED VARIABLE MESSAGE SIGN
 - VARIABLE MESSAGE SIGN WITH FLASHERS BY OTHERS
 - LOOP DETECTOR BY OTHERS
 - LICENSE PLATE READER (LPR) BY OTHERS
 - WIRELESS VEHICLE SENSOR BY OTHERS
 - CLOSED CIRCUIT TELEVISION (CCTV) CAMERA BY OTHERS
 - POTENTIAL TOLLING EQUIPMENT
 - TRAFFIC SIGNAL

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME	c:\aawork\pwwork\lawv\thiemek\dms08424\16073T00CQTF102.dwg			
TIME	1:25:25 PM			
DATE	2/4/2010			
PLOTTED BY	thiemek			
DESIGNED BY				
ENTERED BY				
CHECKED BY				
PROJ. ENGR.	S. EVERETT			
REGIONAL ADM.	R. PAANANEN			
REVISION	DATE	BY	FED. AID PROJ. NO.	10 WASH
			LOCATION NO.	



DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL
ITS SCHEMATIC SOUTH

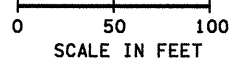
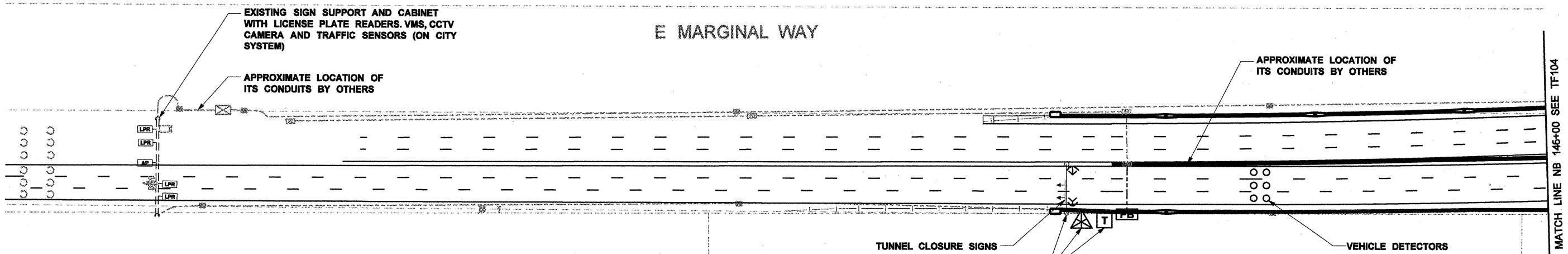
TF102
SHEET OF SHEETS

thiemek

- NOTES:**
1. EQUIPMENT LOCATIONS ARE APPROXIMATE AND PROVIDED FOR PRELIMINARY INFORMATION ONLY.
 2. SEE TF100 FOR ABBREVIATIONS AND LEGEND.
 3. SEE SIGNING PLANS FOR RELATED MESSAGES.
 4. ITS EQUIPMENT SOUTH OF CUT AND COVER PORTAL IS SHOWN FOR INFORMATION ONLY. THIS WORK IS TO BE DESIGNED AND CONSTRUCTED BY OTHERS.



E MARGINAL WAY



* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME c:\aawork\pwwork\awv\thiemek\dms08424\16073T00CQTF103.DLV			
TIME	1:25:41 PM	REGION NO.	10
DATE	2/4/2010	STATE	WASH
PLOTTED BY	thiemek	JOB NUMBER	
DESIGNED BY		CONTRACT NO.	
ENTERED BY		FED.AID PROJ.NO.	
CHECKED BY		LOCATION NO.	
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN	REVISION	DATE BY



DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**

SR 99 BORED TUNNEL

**ITS
PLANS SOUTH 1**

TF103

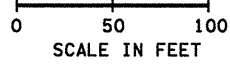
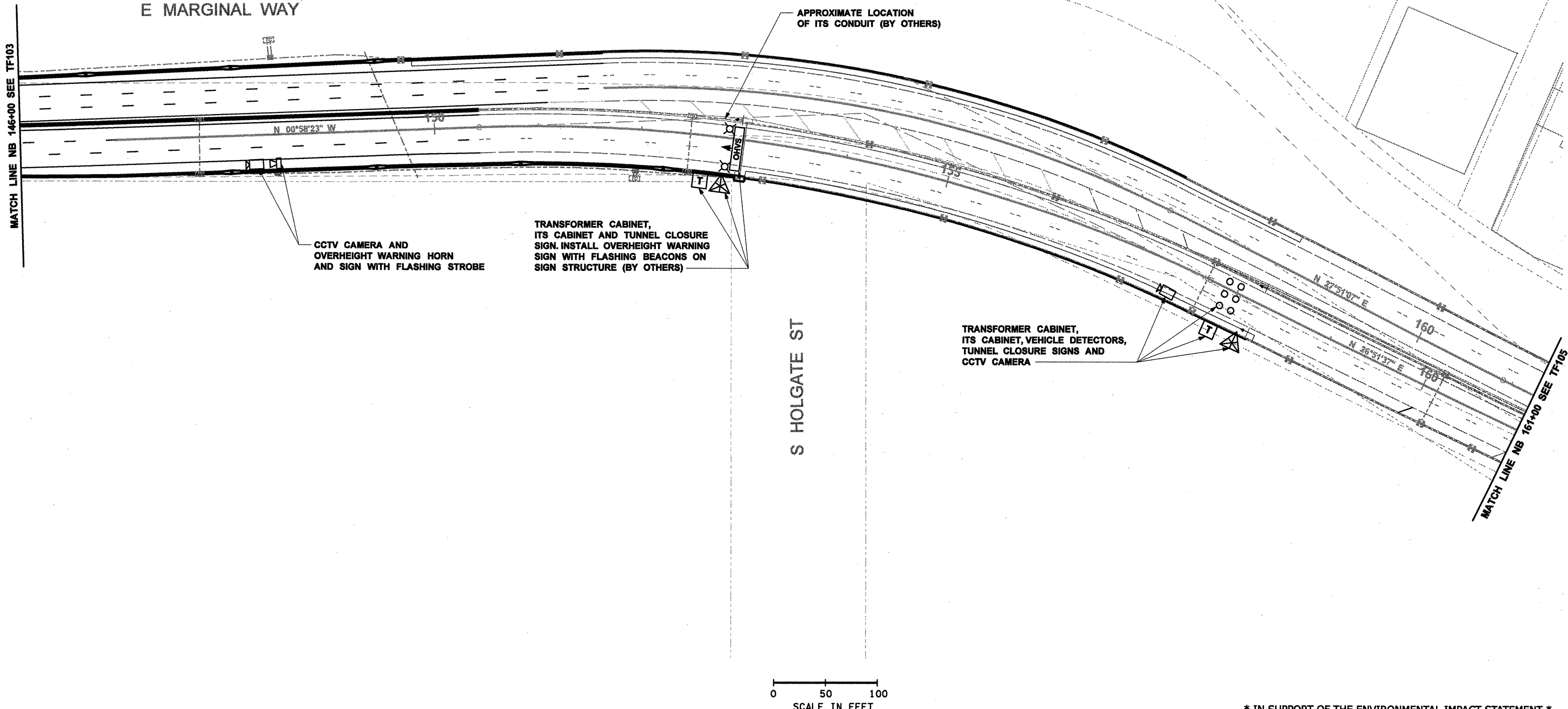
SHEET
OF
SHEETS

thiemek

A B C D E F G H



- NOTES:**
1. EQUIPMENT LOCATIONS ARE APPROXIMATE AND PROVIDED FOR PRELIMINARY INFORMATION ONLY.
 2. SEE TF100 FOR ABBREVIATIONS AND LEGEND.
 3. SEE SIGNING PLANS FOR RELATED MESSAGES.
 4. ITS EQUIPMENT SOUTH OF CUT AND COVER PORTAL IS SHOWN FOR INFORMATION ONLY. THIS WORK IS TO BE DESIGNED AND CONSTRUCTED BY OTHERS.



* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

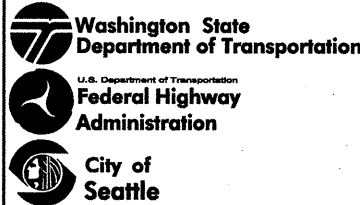
thiemek

FILE NAME c:\aawork\pwwork\lawv\thiemek\dms08424\16073T00CQTF104.DLV			
TIME	1:25:58 PM		
DATE	2/4/2010		
PLOTTED BY	thiemek		
DESIGNED BY			
ENTERED BY			
CHECKED BY			
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
	REVISION	DATE	BY

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	
JOB NUMBER		
CONTRACT NO.		LOCATION NO.



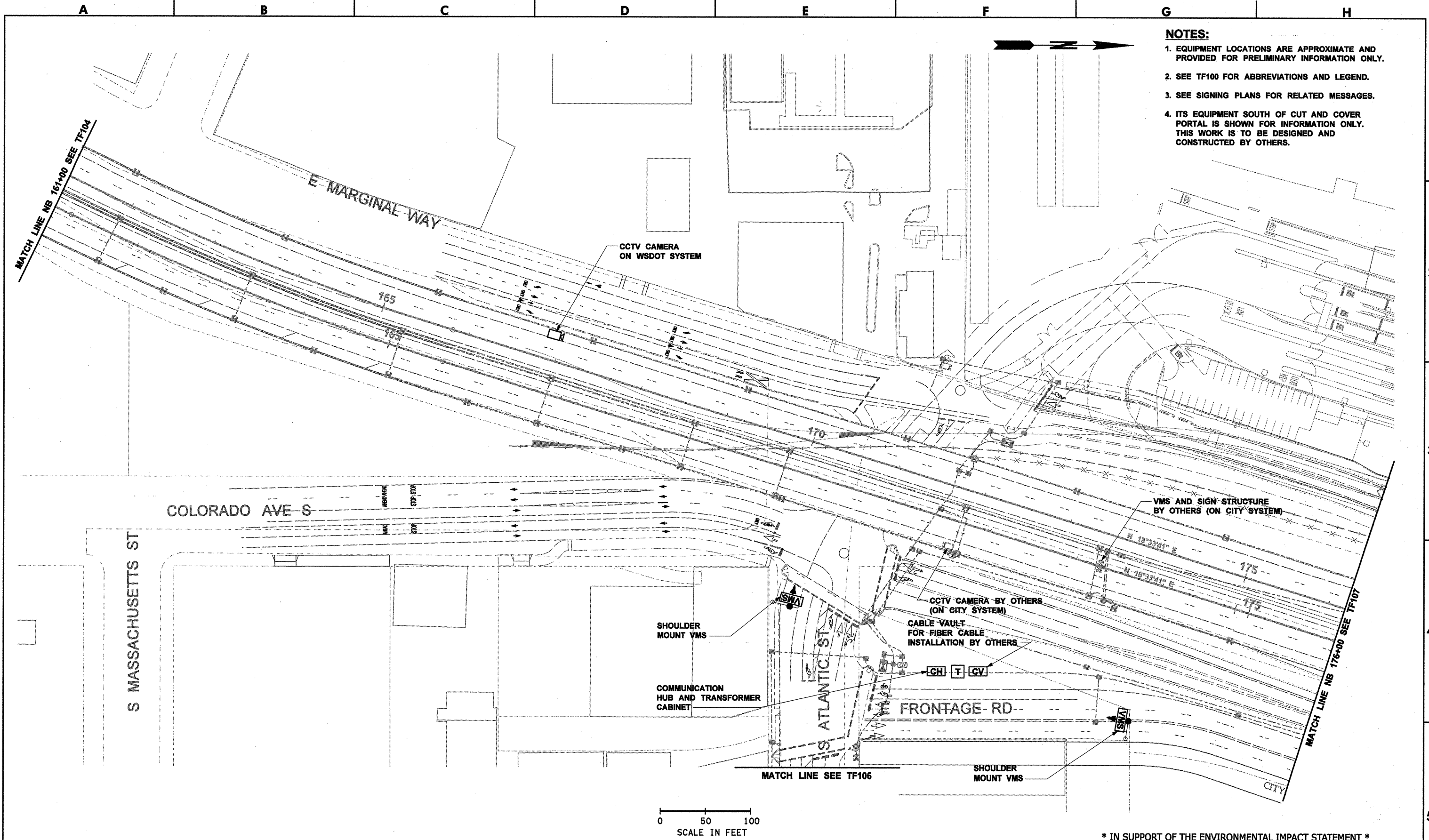
DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL
ITS PLANS SOUTH 2

TF104
SHEET OF SHEETS

1
2
3
4
5



- NOTES:**
1. EQUIPMENT LOCATIONS ARE APPROXIMATE AND PROVIDED FOR PRELIMINARY INFORMATION ONLY.
 2. SEE TF100 FOR ABBREVIATIONS AND LEGEND.
 3. SEE SIGNING PLANS FOR RELATED MESSAGES.
 4. ITS EQUIPMENT SOUTH OF CUT AND COVER PORTAL IS SHOWN FOR INFORMATION ONLY. THIS WORK IS TO BE DESIGNED AND CONSTRUCTED BY OTHERS.

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME		c:\aawork\pwwork\awv\thiemek\dms0842416073T00CQTF105.DLV	
TIME	1:26:14 PM	REGION NO.	STATE
DATE	2/4/2010	10	WASH
PLOTTED BY	thiemek	JOB NUMBER	
DESIGNED BY		CONTRACT NO.	
ENTERED BY		LOCATION NO.	
CHECKED BY			
PROJ. ENGR.	S. EVERETT	REVISION	DATE BY
REGIONAL ADM.	R. PAANANEN		



DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
**ITS
PLANS SOUTH 3**

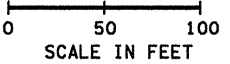
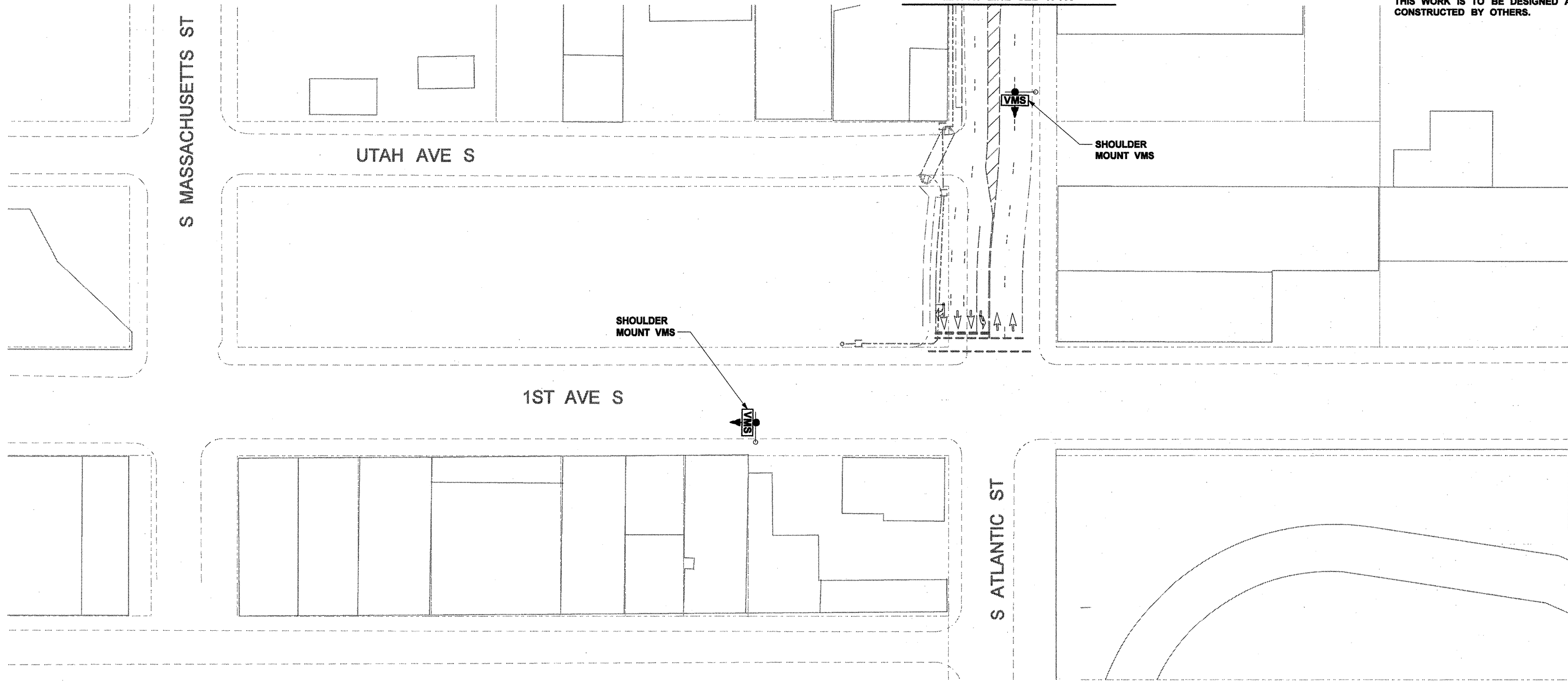
TF105
SHEET
OF
SHEETS

thiemek

A B C D E F G H



- NOTES:**
- EQUIPMENT LOCATIONS ARE APPROXIMATE AND PROVIDED FOR PRELIMINARY INFORMATION ONLY.
 - SEE TF100 FOR ABBREVIATIONS AND LEGEND.
 - SEE SIGNING PLANS FOR RELATED MESSAGES.
 - ITS EQUIPMENT SOUTH OF CUT AND COVER PORTAL IS SHOWN FOR INFORMATION ONLY. THIS WORK IS TO BE DESIGNED AND CONSTRUCTED BY OTHERS.



* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME c:\aawork\pwwork\lawv\thiemek\dms08424\16073T00CQTF106.DLV			
TIME	1:26:31 PM		
DATE	2/4/2010		
PLOTTED BY	thiemek		
DESIGNED BY			
ENTERED BY			
CHECKED BY			
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
	REVISION	DATE	BY

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	
JOB NUMBER		
CONTRACT NO.		LOCATION NO.



DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION

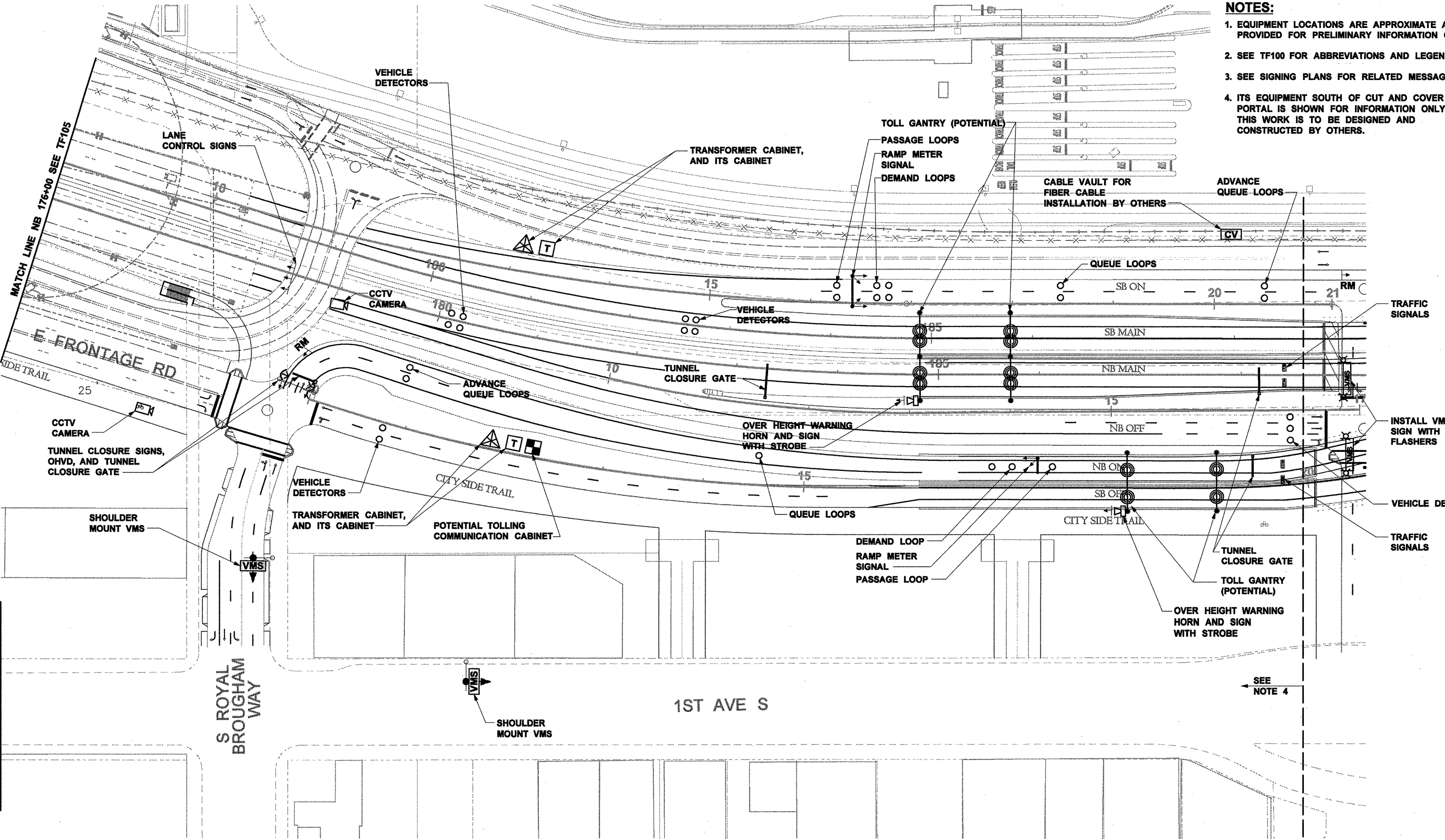


**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
**ITS
PLANS SOUTH 4**

TF106
SHEET
OF
SHEETS

thiemek

- NOTES:**
- EQUIPMENT LOCATIONS ARE APPROXIMATE AND PROVIDED FOR PRELIMINARY INFORMATION ONLY.
 - SEE TF100 FOR ABBREVIATIONS AND LEGEND.
 - SEE SIGNING PLANS FOR RELATED MESSAGES.
 - ITS EQUIPMENT SOUTH OF CUT AND COVER PORTAL IS SHOWN FOR INFORMATION ONLY. THIS WORK IS TO BE DESIGNED AND CONSTRUCTED BY OTHERS.



0 50 100
SCALE IN FEET

SOUTH SURFACE B4
* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME	c:\aawork\pwwork\lawv\thiemek\dms08424\16073T00CQTF107A.DLV		
TIME	1:26:47 PM		
DATE	2/4/2010		
PLOTTED BY	thiemek		
DESIGNED BY			
ENTERED BY			
CHECKED BY			
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	
REGION NO.	STATE	FED. AID PROJ. NO.	
10	WASH		
JOB NUMBER			
CONTRACT NO.	LOCATION NO.		



DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION

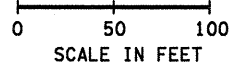
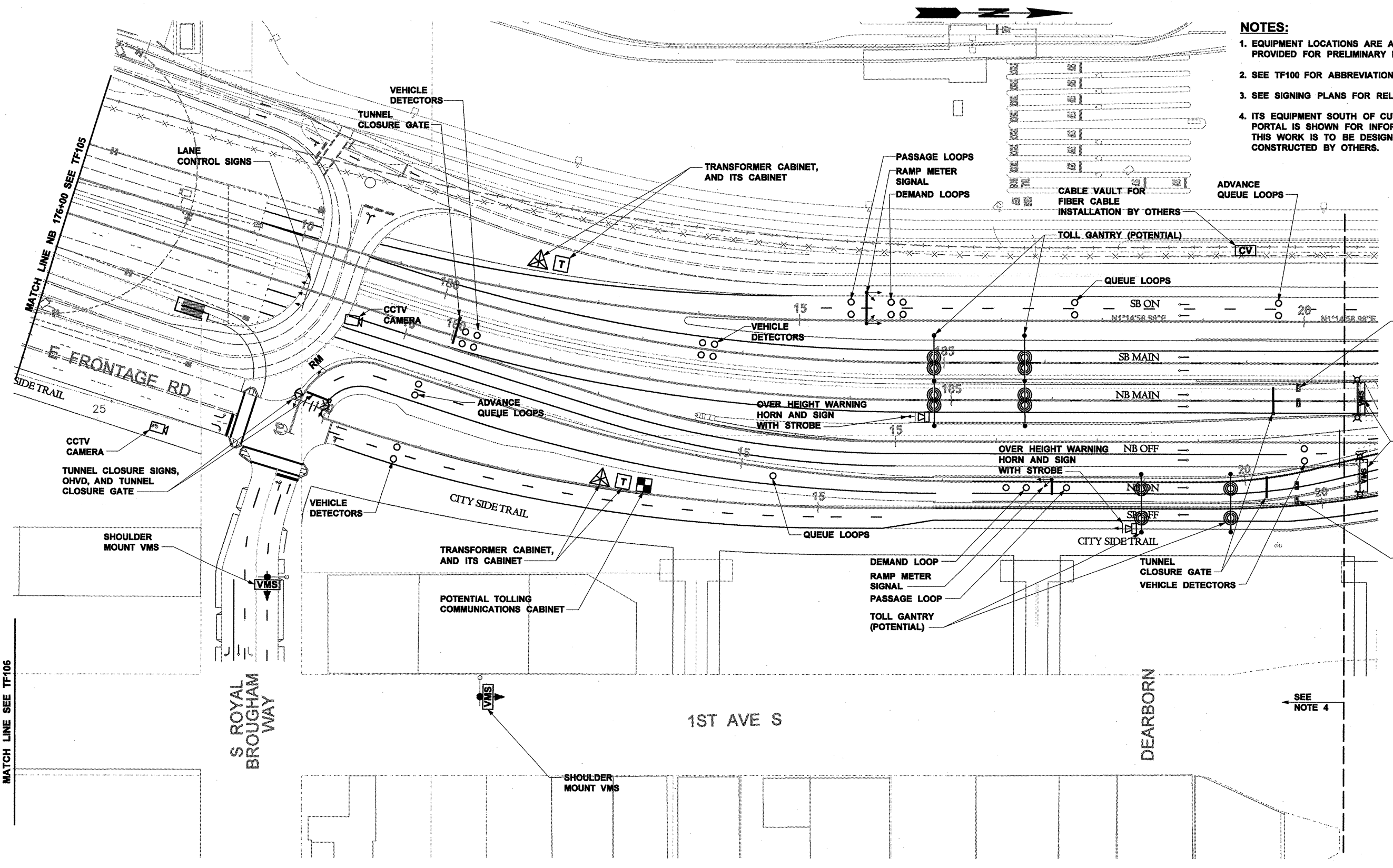


ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL
ITS PLANS SOUTH 5

TF107A
SHEET OF SHEETS

thiemek

- NOTES:**
1. EQUIPMENT LOCATIONS ARE APPROXIMATE AND PROVIDED FOR PRELIMINARY INFORMATION ONLY.
 2. SEE TF100 FOR ABBREVIATIONS AND LEGEND.
 3. SEE SIGNING PLANS FOR RELATED MESSAGES.
 4. ITS EQUIPMENT SOUTH OF CUT AND COVER PORTAL IS SHOWN FOR INFORMATION ONLY. THIS WORK IS TO BE DESIGNED AND CONSTRUCTED BY OTHERS.



SOUTH SURFACE D4
* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME	c:\aawork\pwwork\law\thiemek\dms08424\16073T00CQTF107B.DLV		
TIME	1:27:06 PM		
DATE	2/4/2010		
PLOTTED BY	thiemek		
DESIGNED BY			
ENTERED BY			
CHECKED BY			
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	
JOB NUMBER		
CONTRACT NO.	LOCATION NO.	



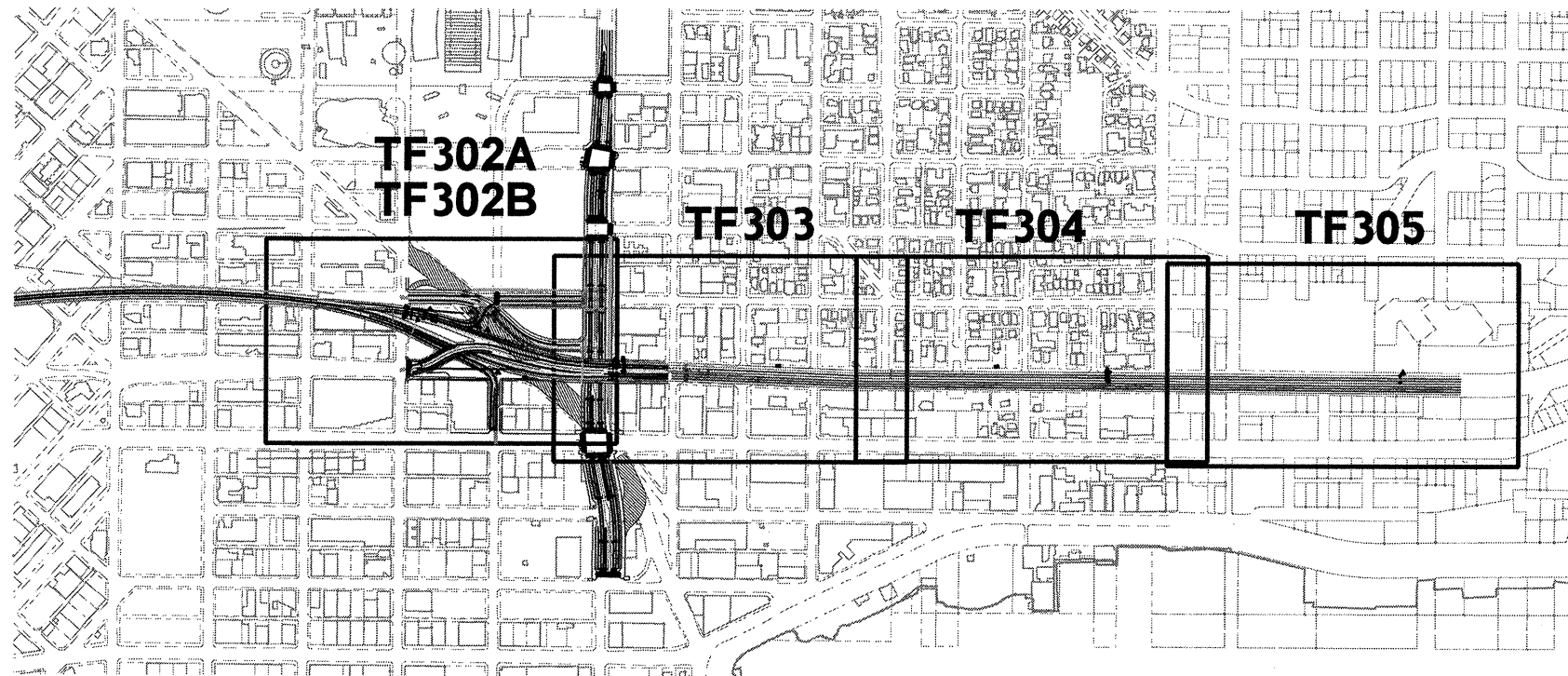
DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL
ITS PLANS SOUTH 5

TF107B
SHEET OF SHEETS

thiemek



KEY PLAN

LEGEND:

- | | | |
|-----------------|------------|--|
| EXISTING | NEW | |
| | | ITS CABINET |
| | | CCTV CAMERA |
| | | SIDE MOUNT VMS |
| | | SIGN BRIDGE VMS |
| | | TRANSPONDER READER GANTRY |
| | | OHVD |
| | | TUNNEL CLOSURE GATE |
| | | TUNNEL CLOSURE SIGN |
| | | TYPE R1 OR R2 INDUCTION LOOP DETECTOR |
| | | COMMUNICATIONS HUB CABINET |
| | | CONDUIT |
| | | PULL BOX |
| | | TRANSFORMER CABINET |
| | | OVER HEIGHT VEHICLE WARNING SIGN WITH FLASHING BEACONS |
| | | WARNING HORN |
| | | PORTAL VMS WITH FLASHERS AND SIGNALS |

ABBREVIATIONS:

- | | |
|------|-------------------------------|
| CCTV | CLOSED CIRCUIT TELEVISION |
| VMS | VARIABLE MESSAGE SIGN |
| OHVD | OVER HEIGHT VEHICLE DETECTION |

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME		c:\aawork\pwwork\law\thiemek\dms08424\16073T00CQTF300.dlv	
TIME	1:27:39 PM	REGION NO.	STATE
DATE	2/4/2010	10	WASH
PLOTTED BY	thiemek	JOB NUMBER	
DESIGNED BY		CONTRACT NO.	
ENTERED BY		FED.AID PROJ.NO.	
CHECKED BY		LOCATION NO.	
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN	REVISION	DATE BY



DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION

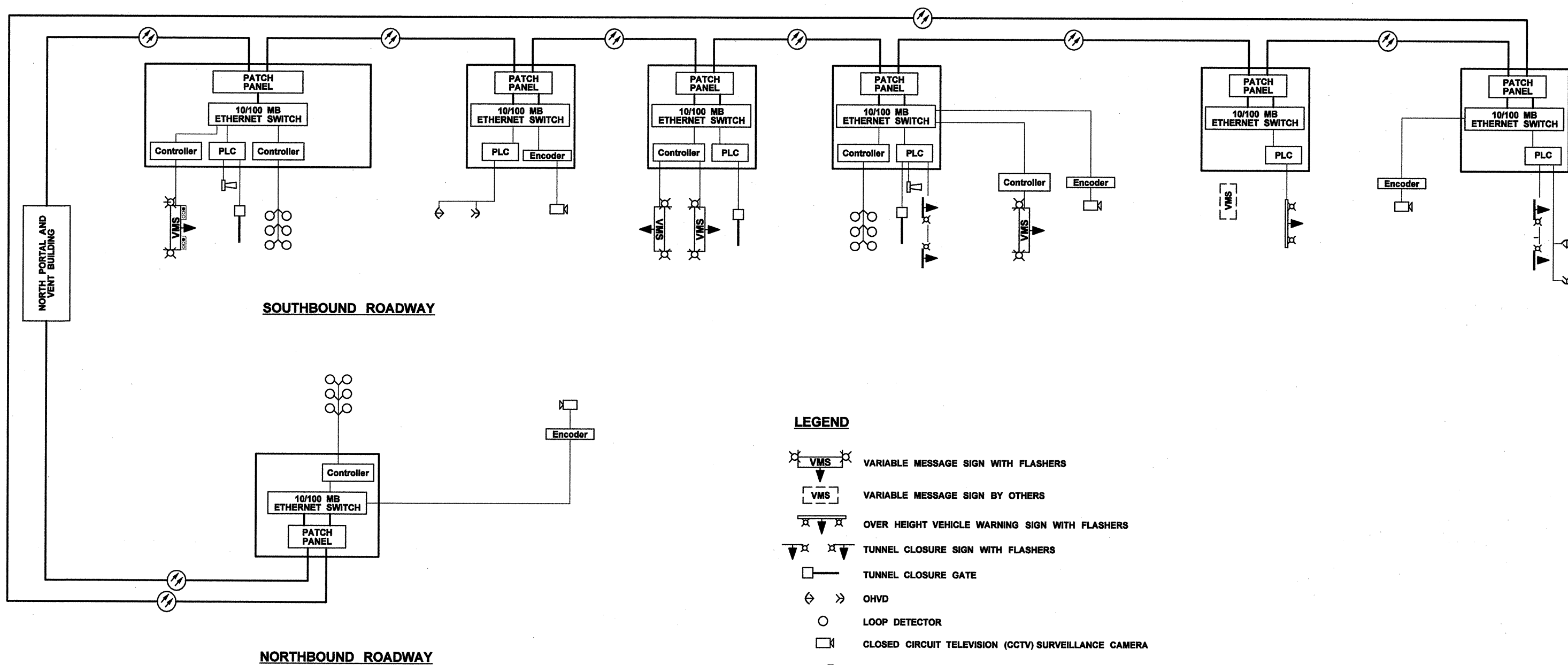


**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**
SR 99 BORED TUNNEL

**ITS
LEGEND AND KEY MAP NORTH**

TF300
SHEET
OF
SHEETS

ITS SCHEMATIC NORTH



LEGEND

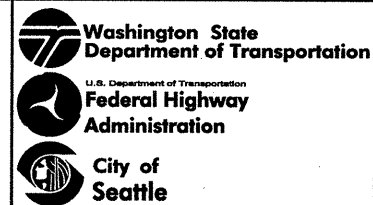
- VARIABLE MESSAGE SIGN WITH FLASHERS
- VARIABLE MESSAGE SIGN BY OTHERS
- OVER HEIGHT VEHICLE WARNING SIGN WITH FLASHERS
- TUNNEL CLOSURE SIGN WITH FLASHERS
- TUNNEL CLOSURE GATE
- OHVD
- LOOP DETECTOR
- CLOSED CIRCUIT TELEVISION (CCTV) SURVEILLANCE CAMERA
- TRAFFIC SIGNAL
- WARNING HORN
- FIBER OPTIC NETWORK CABLE

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME	c:\aawork\pwork\lawv\thiemek\dms08424\16073T00CQTF301.div		
TIME	1:27:44 PM		
DATE	2/4/2010		
PLOTTED BY	thiemek		
DESIGNED BY			
ENTERED BY			
CHECKED BY			
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	
REGION NO.	STATE	FED. AID PROJ. NO.	
10	WASH		
JOB NUMBER			
CONTRACT NO.		LOCATION NO.	



DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION

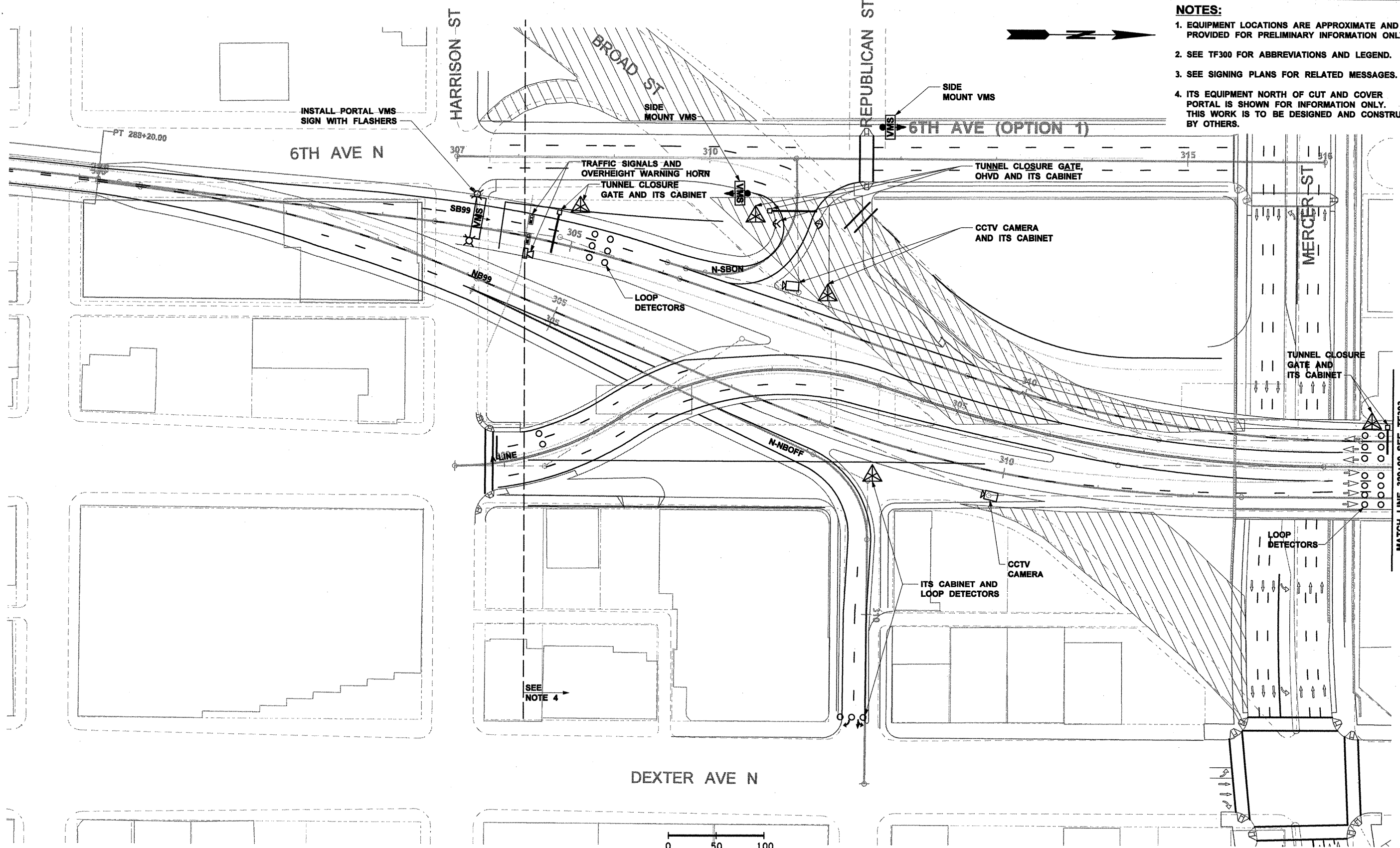
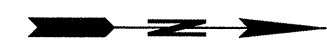


**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
**ITS
SCHEMATIC NORTH**

TF301
SHEET
OF
SHEETS

A B C D E F G H

- NOTES:**
1. EQUIPMENT LOCATIONS ARE APPROXIMATE AND PROVIDED FOR PRELIMINARY INFORMATION ONLY.
 2. SEE TF300 FOR ABBREVIATIONS AND LEGEND.
 3. SEE SIGNING PLANS FOR RELATED MESSAGES.
 4. ITS EQUIPMENT NORTH OF CUT AND COVER PORTAL IS SHOWN FOR INFORMATION ONLY. THIS WORK IS TO BE DESIGNED AND CONSTRUCTED BY OTHERS.



1
2
3
4
5

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME c:\aawork\pwwork\law\thiemek\dms08424\16073T00CQTF302A.DLV		REGION NO.	STATE	FED.AID PROJ.NO.
TIME	1:28:00 PM	10	WASH	
DATE	2/4/2010	JOB NUMBER		
PLOTTED BY	thiemek	CONTRACT NO.		LOCATION NO.
DESIGNED BY				
ENTERED BY				
CHECKED BY				
PROJ. ENGR.	S. EVERETT			
REGIONAL ADM.	R. PAANANEN	REVISION	DATE	BY



DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



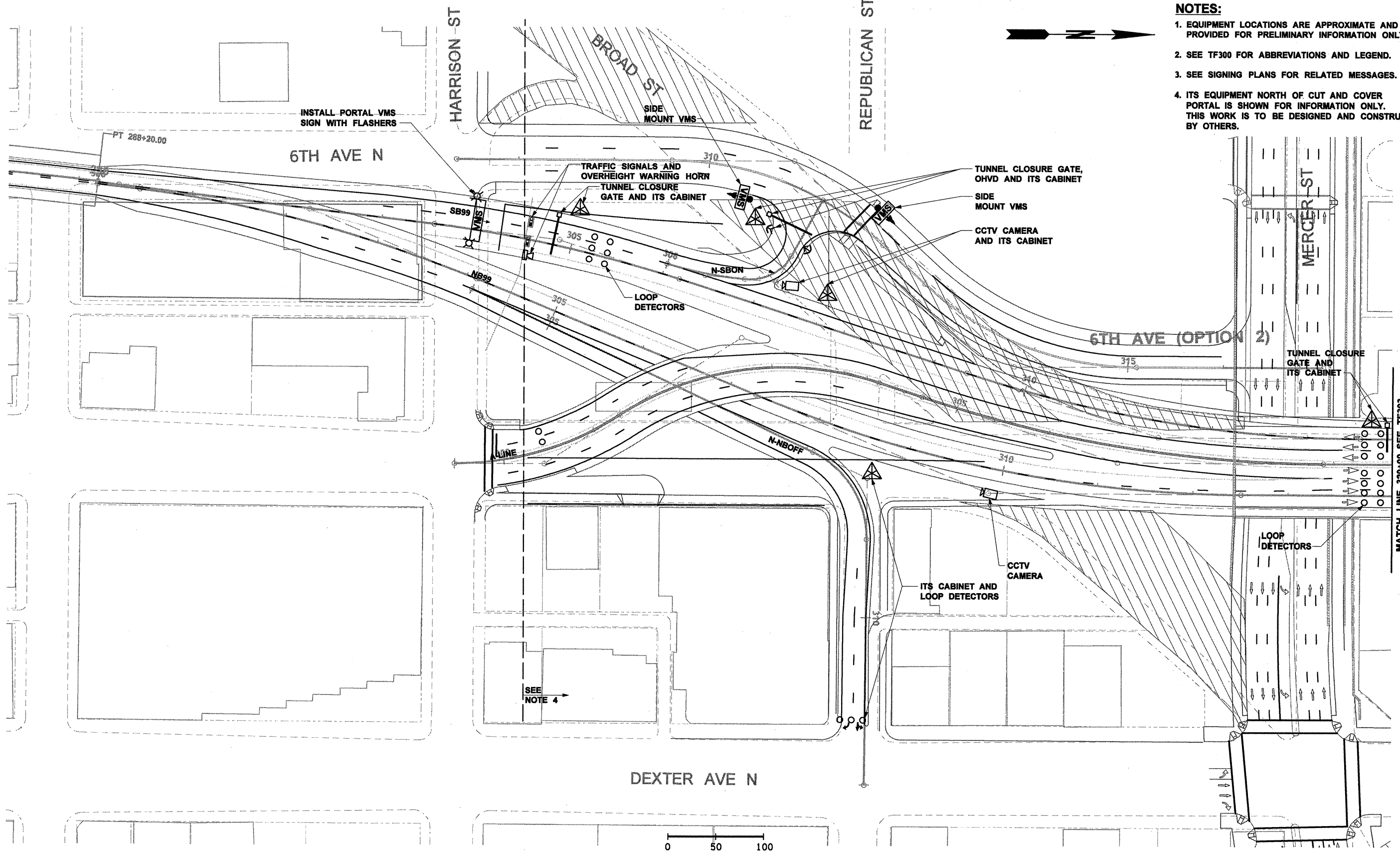
**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
**ITS
PLANS NORTH 1**

TF302A
SHEET
OF
SHEETS

thiemek

A B C D E F G H

- NOTES:**
1. EQUIPMENT LOCATIONS ARE APPROXIMATE AND PROVIDED FOR PRELIMINARY INFORMATION ONLY.
 2. SEE TF300 FOR ABBREVIATIONS AND LEGEND.
 3. SEE SIGNING PLANS FOR RELATED MESSAGES.
 4. ITS EQUIPMENT NORTH OF CUT AND COVER PORTAL IS SHOWN FOR INFORMATION ONLY. THIS WORK IS TO BE DESIGNED AND CONSTRUCTED BY OTHERS.



0 50 100
SCALE IN FEET

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

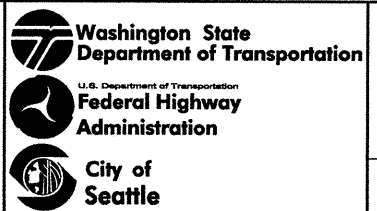
thiemek

FILE NAME		c:\aawork\pwwork\lawv\thiemek\dms08424\16073T00CQTF302B.DLV	
TIME		1:28:17 PM	
DATE		2/4/2010	
PLOTTED BY		thiemek	
DESIGNED BY			
ENTERED BY			
CHECKED BY			
PROJ. ENGR.		S. EVERETT	
REGIONAL ADM.		R. PAANANEN	
REVISION	DATE	BY	

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	
JOB NUMBER		
CONTRACT NO.	LOCATION NO.	



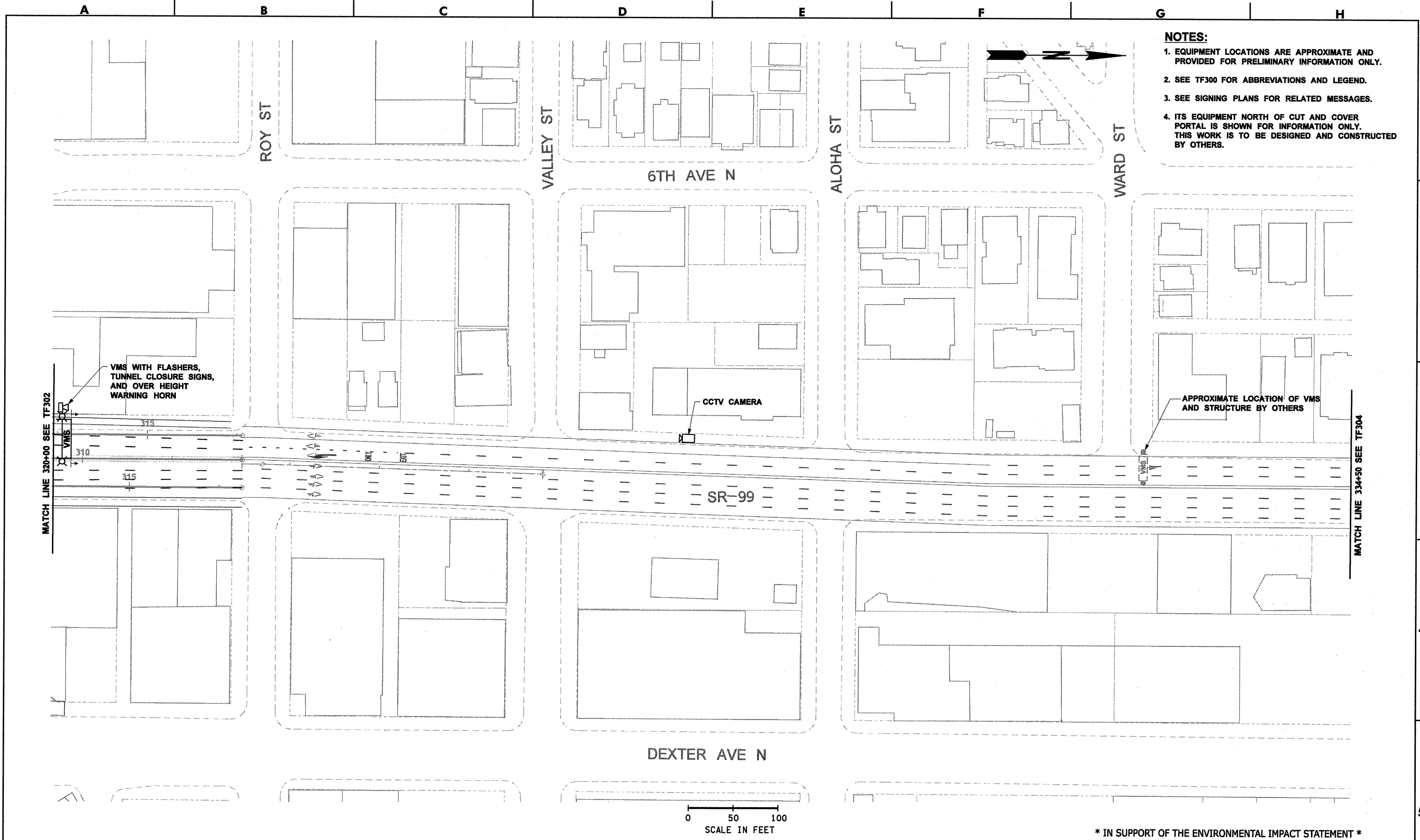
DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
**ITS
PLANS NORTH 1**

TF302B
SHEET
OF
SHEETS

1
2
3
4
5



- NOTES:**
1. EQUIPMENT LOCATIONS ARE APPROXIMATE AND PROVIDED FOR PRELIMINARY INFORMATION ONLY.
 2. SEE TF300 FOR ABBREVIATIONS AND LEGEND.
 3. SEE SIGNING PLANS FOR RELATED MESSAGES.
 4. ITS EQUIPMENT NORTH OF CUT AND COVER PORTAL IS SHOWN FOR INFORMATION ONLY. THIS WORK IS TO BE DESIGNED AND CONSTRUCTED BY OTHERS.

VMS WITH FLASHERS, TUNNEL CLOSURE SIGNS, AND OVER HEIGHT WARNING HORN

CCTV CAMERA

APPROXIMATE LOCATION OF VMS AND STRUCTURE BY OTHERS

MATCH LINE 320+00 SEE TF302

MATCH LINE 334+50 SEE TF304

SR-99

DEXTER AVE N

0 50 100
SCALE IN FEET

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

thiemek

FILE NAME	c:\aawork\pwwork\law\thiemek\dms08424\16073T00CQTF303.DLV		
TIME	1:28:34 PM		
DATE	2/4/2010		
PLOTTED BY	thiemek		
DESIGNED BY			
ENTERED BY			
CHECKED BY			
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	
JOB NUMBER		
CONTRACT NO.	LOCATION NO.	



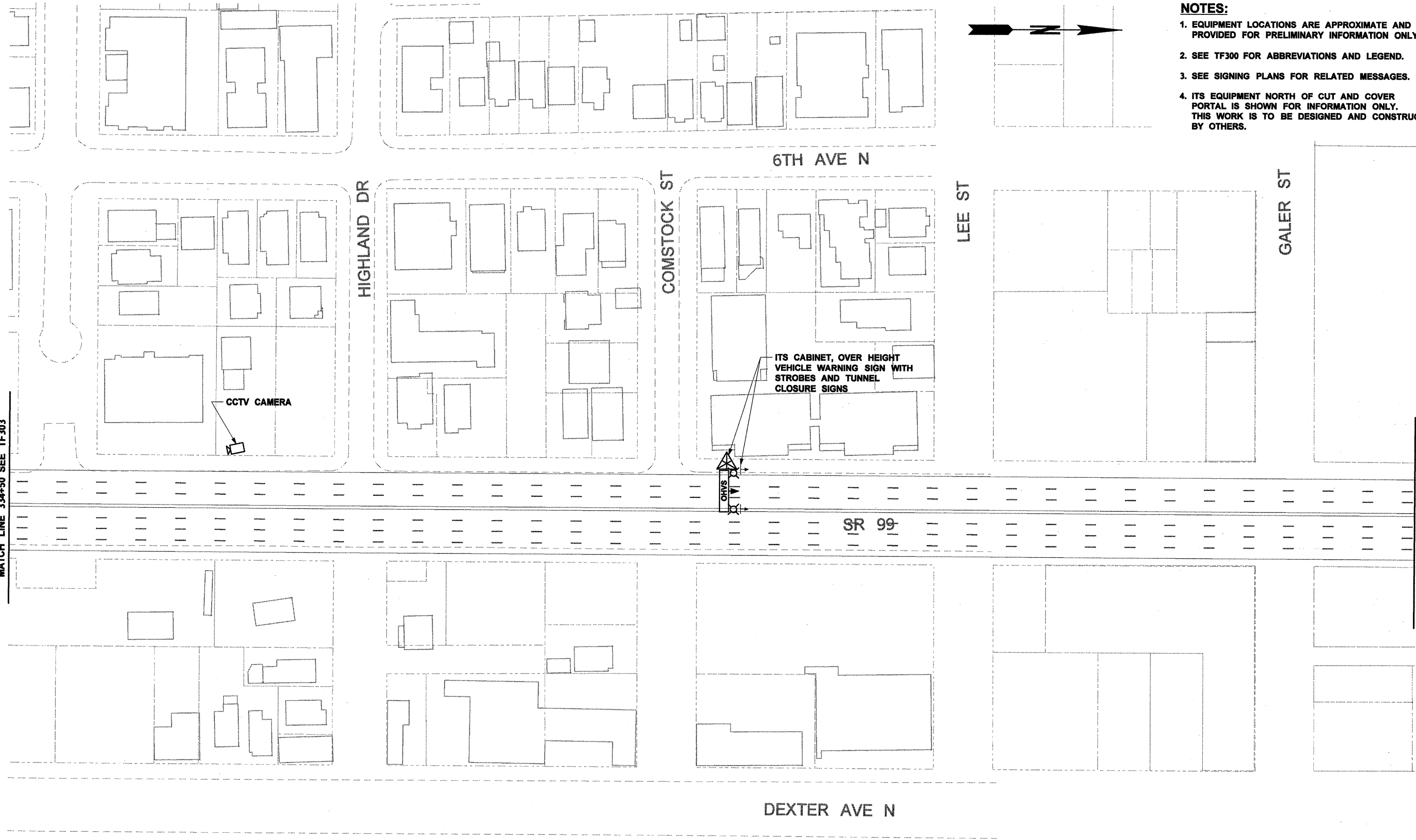
DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL
ITS PLANS NORTH 2

TF303
SHEET OF SHEETS

A B C D E F G H



- NOTES:**
- EQUIPMENT LOCATIONS ARE APPROXIMATE AND PROVIDED FOR PRELIMINARY INFORMATION ONLY.
 - SEE TF300 FOR ABBREVIATIONS AND LEGEND.
 - SEE SIGNING PLANS FOR RELATED MESSAGES.
 - ITS EQUIPMENT NORTH OF CUT AND COVER PORTAL IS SHOWN FOR INFORMATION ONLY. THIS WORK IS TO BE DESIGNED AND CONSTRUCTED BY OTHERS.

MATCH LINE 334+50 SEE TF303

MATCH LINE SEE TF305

1
2
3
4
5

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME	c:\aawork\pwwork\lawv\thiemek\dms08424\16073T00CQTF304.DLV		
TIME	1:28:50 PM		
DATE	2/4/2010		
PLOTTED BY	thiemek		
DESIGNED BY			
ENTERED BY			
CHECKED BY			
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	
REGION NO.	STATE	FED. AID PROJ. NO.	
10	WASH		
JOB NUMBER		LOCATION NO.	
CONTRACT NO.			



DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION

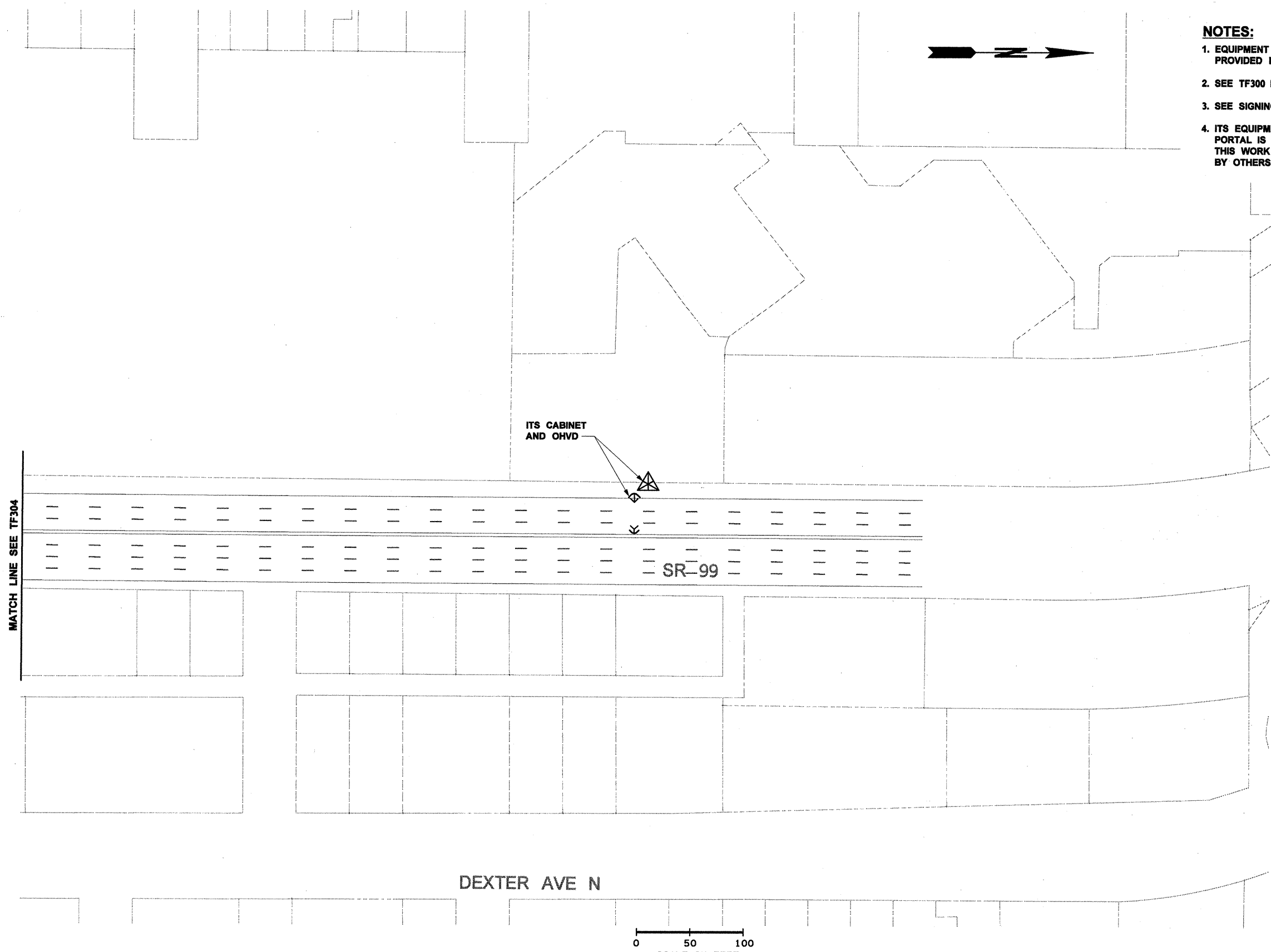


ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL
ITS PLANS NORTH 3

TF304
SHEET OF SHEETS

thiemek

A B C D E F G H



- NOTES:**
1. EQUIPMENT LOCATIONS ARE APPROXIMATE AND PROVIDED FOR PRELIMINARY INFORMATION ONLY.
 2. SEE TF300 FOR ABBREVIATIONS AND LEGEND.
 3. SEE SIGNING PLANS FOR RELATED MESSAGES.
 4. ITS EQUIPMENT NORTH OF CUT AND COVER PORTAL IS SHOWN FOR INFORMATION ONLY. THIS WORK IS TO BE DESIGNED AND CONSTRUCTED BY OTHERS.

MATCH LINE SEE TF304

ITS CABINET AND OHVD

SR 99

DEXTER AVE N

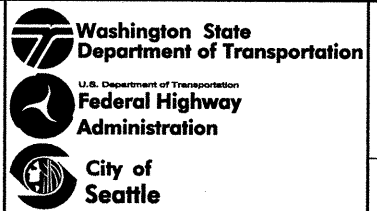
0 50 100
SCALE IN FEET

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME c:\aawork\pwwork\law\thiemek\dms08424\16073T00CQTF305.DLV		REGION NO.	STATE	FED.AID PROJ.NO.
TIME 1:29:06 PM		10	WASH	
DATE 2/4/2010		JOB NUMBER		
PLOTTED BY thiemek		CONTRACT NO.	LOCATION NO.	
DESIGNED BY				
ENTERED BY				
CHECKED BY				
PROJ. ENGR. S. EVERETT				
REGIONAL ADM. R. PAANANEN	REVISION	DATE	BY	



DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL
ITS PLANS NORTH 4

TF305
SHEET OF SHEETS

thiemek

A

B

C

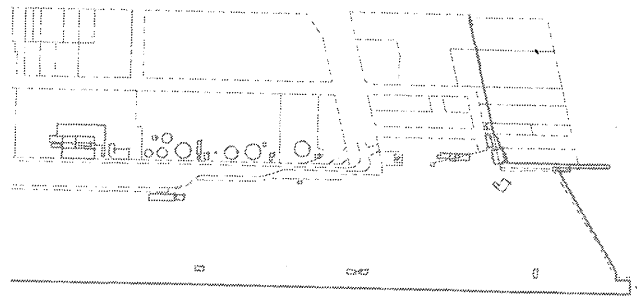
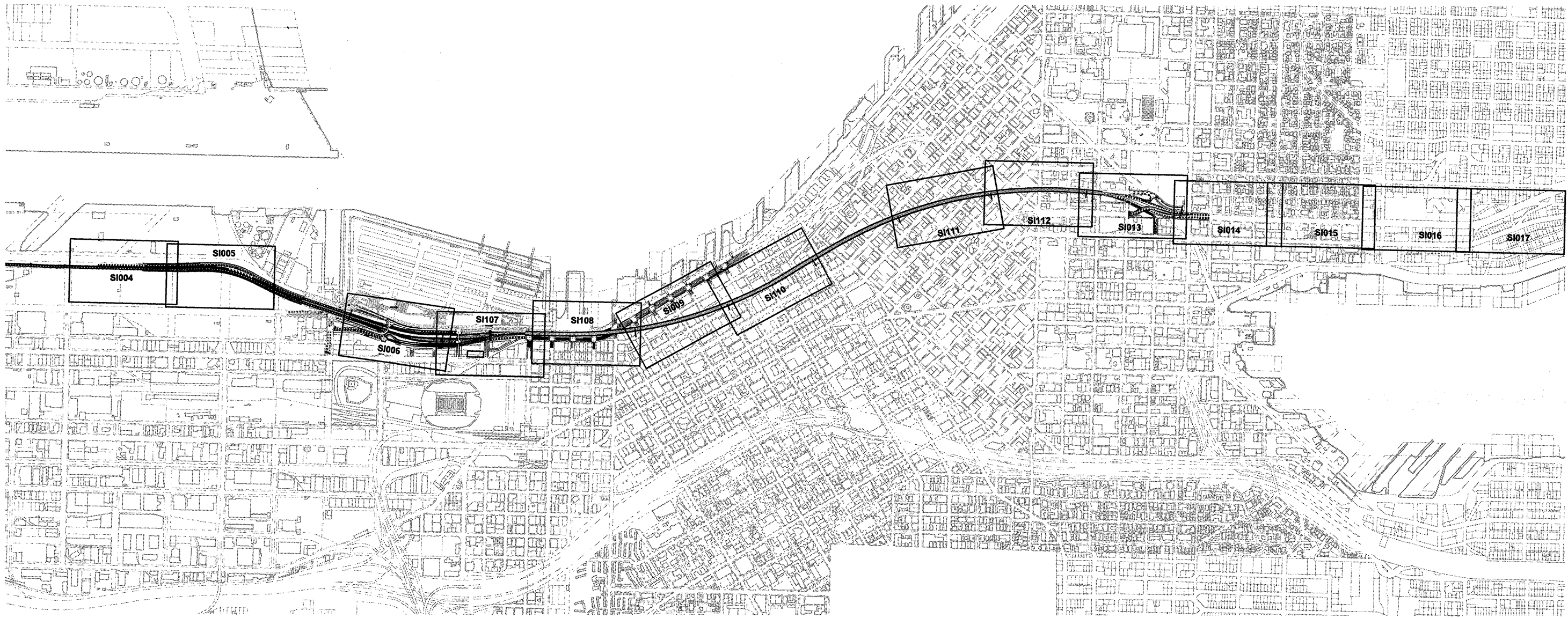
D

E

F

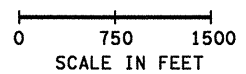
G

H



NOTES:

- 1. SHEETS LABELED SI0XX SHOW THE NORTHBOUND DIRECTION THROUGH THE TUNNEL.
- 2. SHEETS LABELED SI1XX SHOW THE SOUTHBOUND DIRECTION THROUGH THE TUNNEL.



* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

thiemek

FILE NAME		c:\aawork\pwwork\lawv\thiemek\dms08455160073T00CQSI001.DLV	
TIME	6:42:22 AM	REGION NO.	10
DATE	2/4/2010	STATE	WASH
PLOTTED BY	thiemek	JOB NUMBER	—
DESIGNED BY	A. MIZUTA	CONTRACT NO.	—
ENTERED BY	K. THIEME	FED. AID PROJ. NO.	—
CHECKED BY	S. KUZNICKI	LOCATION NO.	—
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN	REVISION	DATE BY



DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION

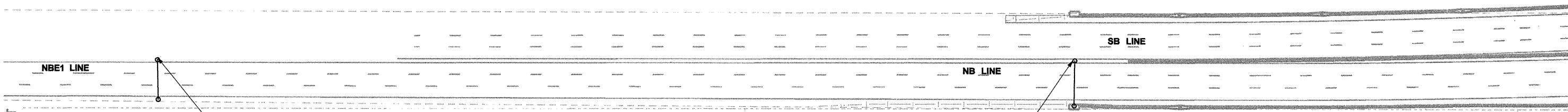


**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
**PERMANENT TRAFFIC SIGNING AND
PAVEMENT MARKING PLAN KEY MAP**

SI001
SHEET
OF
SHEETS



E MARGINAL WAY S



S LANDER ST

**Alaskan Way S
DOWNTOWN
3/4 MILE
EXIT ↓ ONLY**

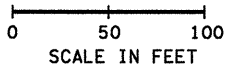
OVERHEAD
SIGN BRIDGE

**99 TUNNEL
VEHICLES OVER
14' 0" HIGH PROHIBITED
ALL OVERHEIGHT
VEHICLES MUST EXIT**

OVERHEAD
SIGN BRIDGE

**99 TUNNEL
HAZARDOUS MATERIALS
PROHIBITED
ALL (HM) MUST EXIT**

OVERHEAD
SIGN BRIDGE



NOTES:
1. ALL SIGNING AND PAVEMENT MARKING SOUTH OF THE CUT AND COVER PORTAL SECTION IS SHOWN FOR INFORMATION ONLY. THIS WORK TO BE DESIGNED AND CONSTRUCTED BY OTHERS.

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME c:\aawork\pwwork\lawv\thiemek\dms08455\160073T00CQS1004.DLV			
TIME	6:42:37 AM	REGION NO.	STATE
DATE	2/4/2010	10	WASH
PLOTTED BY	thiemek	JOB NUMBER	
DESIGNED BY	A. MIZUTA	CONTRACT NO.	LOCATION NO.
ENTERED BY	K. THIEME		
CHECKED BY	S. KUZNICKI		
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN	REVISION	DATE BY



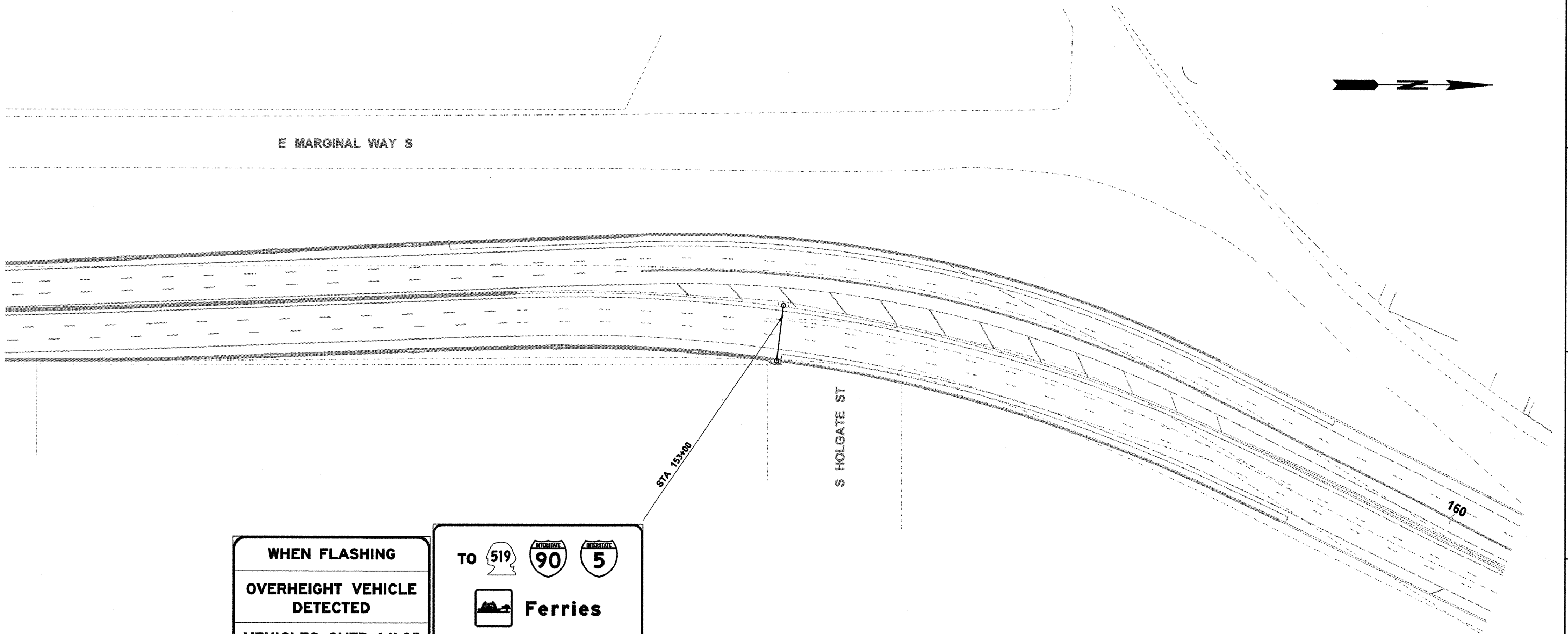
***DRAFT*
CONCEPTUAL
DESIGN
NOT FOR CONSTRUCTION**



**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT
SR 99 BORED TUNNEL
PERMANENT TRAFFIC SIGNING AND
PAVEMENT MARKING PLAN**

SI004
SHEET
OF
SHEETS

thiemek



WHEN FLASHING
OVERHEIGHT VEHICLE
DETECTED
VEHICLES OVER 14' 0"
MUST EXIT

OVERHEAD
SIGN BRIDGE

TO
Ferries
Port of Seattle
NEXT EXIT

OVERHEAD
SIGN BRIDGE

0 50 100
SCALE IN FEET

NOTES:
 1. ALL SIGNING AND PAVEMENT MARKING SOUTH OF THE CUT AND COVER PORTAL SECTION IS SHOWN FOR INFORMATION ONLY. THIS WORK TO BE DESIGNED AND CONSTRUCTED BY OTHERS.

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
 In Aid to a Deliberative Process. Not for Distribution.

thiemek

FILE NAME		c:\aawork\pwwork\lawv\thiemek\dms08455160073T00CQSI005.DLV	
TIME	6:42:51 AM	REGION NO.	STATE
DATE	2/4/2010	10	WASH
PLOTTED BY	thiemek	JOB NUMBER	
DESIGNED BY	A. MIZUTA	CONTRACT NO.	
ENTERED BY	K. THIEME	LOCATION NO.	
CHECKED BY	S. KUZNICKI		
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN	REVISION	DATE BY



DRAFT
CONCEPTUAL
DESIGN
 NOT FOR CONSTRUCTION



ALASKAN WAY VIADUCT
REPLACEMENT PROJECT
SR 99 BORED TUNNEL
PERMANENT TRAFFIC SIGNING AND
PAVEMENT MARKING PLAN

SI005
 SHEET
 OF
 SHEETS

**PROHIBITED VEHICLES
EXIT HERE**

**Alaskan Way S
DOWNTOWN**

EXIT ONLY **EXIT ONLY**

OVERHEAD
SIGN BRIDGE

STA 173+30

SR 99 SB 175

SR 99 NB

E FRONTAGE RD S

CITY SIDE TRAIL

CITY SIDE TRAIL

CITY SIDE TRAIL

S ROYAL
BROUGHAM
WAY

99 | **MAX HEIGHT 14'-0"**

(HM) PROHIBITED

SEE ITS PLANS

0 50 100
SCALE IN FEET

NOTES:

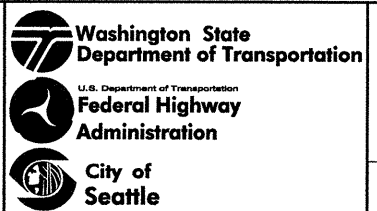
1. ALL SIGNING AND PAVEMENT MARKING SOUTH OF THE CUT AND COVER PORTAL SECTION IS SHOWN FOR INFORMATION ONLY. THIS WORK TO BE DESIGNED AND CONSTRUCTED BY OTHERS.

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME		c:\aawork\pwwork\lawv\thiemek\dms08455160073T00CQSI006.DLV	
TIME	6:43:05 AM	REGION NO.	10
DATE	2/4/2010	STATE	WASH
PLOTTED BY	thiemek	FED. AID PROJ. NO.	
DESIGNED BY	A. MIZUTA	JOB NUMBER	
ENTERED BY	D. OSBORNE / A. SNIDER	CONTRACT NO.	
CHECKED BY	S. KUZNICKI	LOCATION NO.	
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION		DATE	BY



DRAFT
**CONCEPTUAL
DESIGN**
NOT FOR CONSTRUCTION



**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**

SR 99 BORED TUNNEL

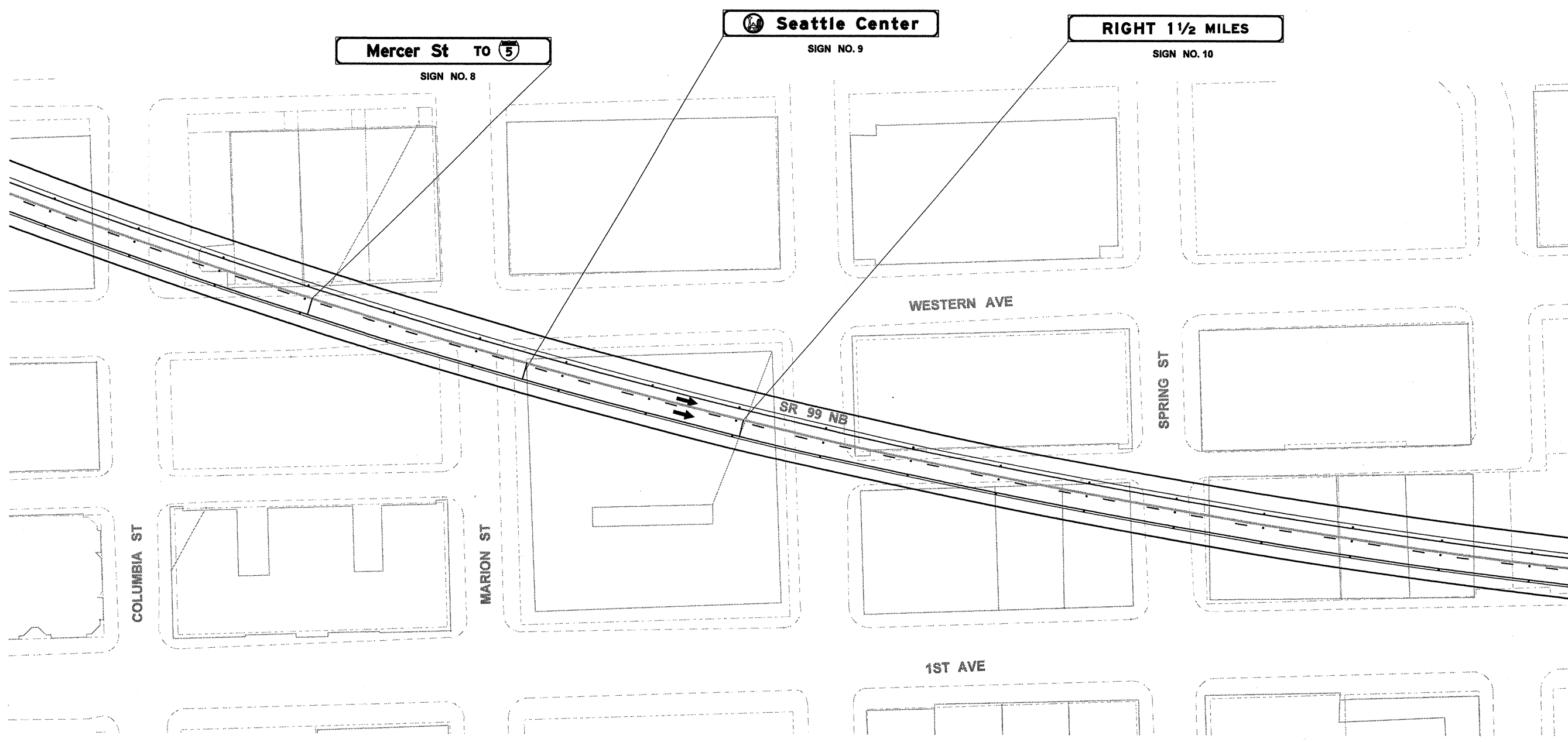
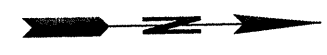
**PERMANENT TRAFFIC SIGNING AND
PAVEMENT MARKING PLAN**

S1006

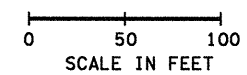
SHEET
OF
SHEETS

1. SIGN BRIDGE AT STA 173+30 TO BE INSTALLED BY OTHERS

thiemek



NORTHBOUND SR 99



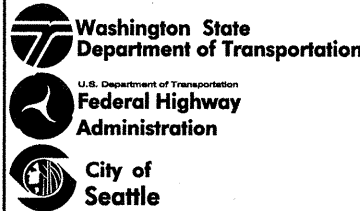
* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME	c:\aawork\pwwork\lawv\thiemek\dms08455\160073T00CQS\I009.DLV		
TIME	6:43:12 AM		
DATE	2/4/2010		
PLOTTED BY	thiemek		
DESIGNED BY	A. MIZUTA		
ENTERED BY	K. THIEME		
CHECKED BY	S. KUZNICKI		
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	
JOB NUMBER		
CONTRACT NO.	LOCATION NO.	



DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL
PERMANENT TRAFFIC SIGNING AND PAVEMENT MARKING PLAN

S1009
SHEET OF SHEETS

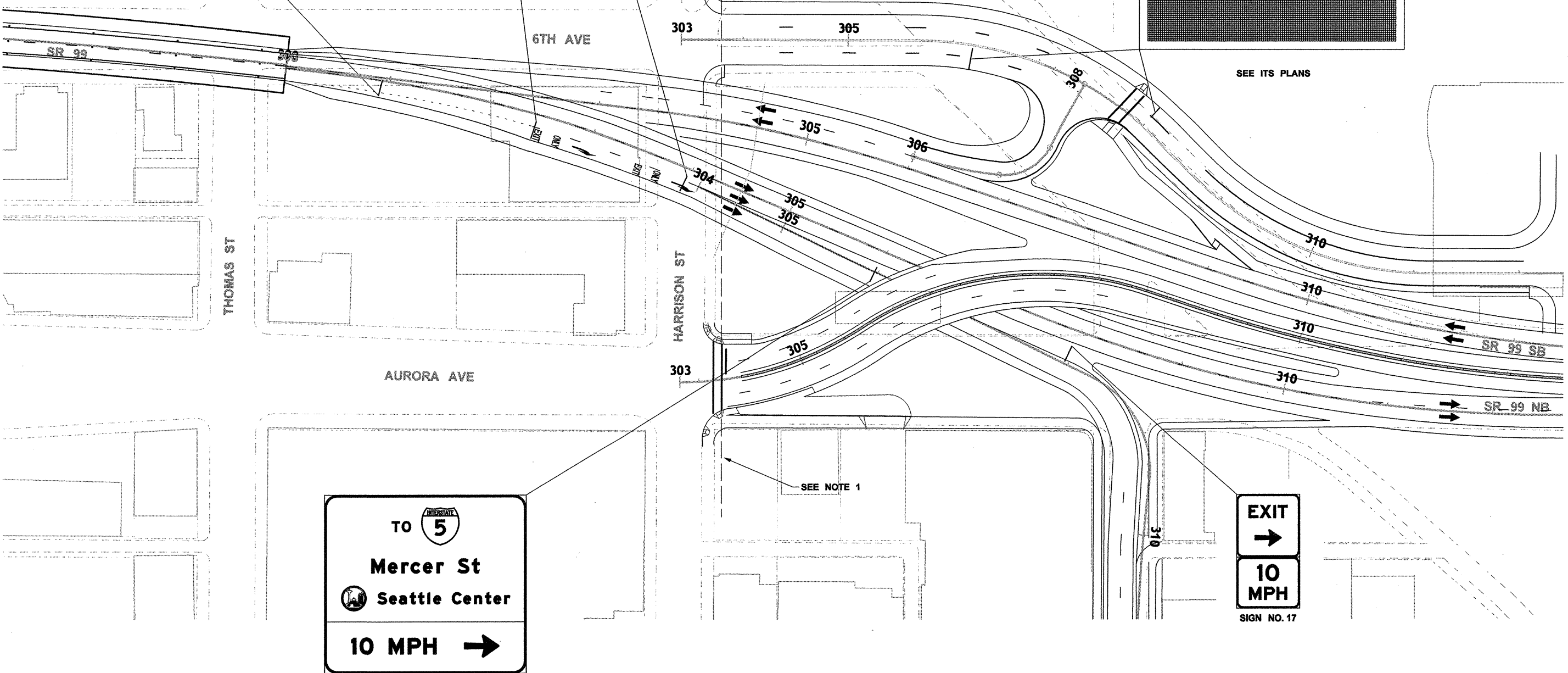
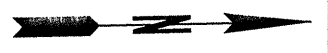
thiemek

Mercer St TO 5
SIGN NO. 8

Seattle Center
SIGN NO. 9

EXIT ONLY
SIGN NO. 11

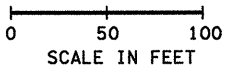
99 | **MAX HEIGHT 14'-0"**
HM PROHIBITED



TO 5
Mercer St
Seattle Center
10 MPH →

EXIT
→
10 MPH
SIGN NO. 17

NOTES:
1. ALL SIGNING AND PAVEMENT MARKING NORTH OF THE CUT AND COVER PORTAL SECTION IS SHOWN FOR INFORMATION ONLY. THIS WORK TO BE DESIGNED AND CONSTRUCTED BY OTHERS.



* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME		c:\aawork\pwwork\lawv\thiemek\dms08455160073T00CQSI013.DLV	
TIME	6:43:25 AM	REGION NO.	STATE
DATE	2/4/2010	10	WASH
PLOTTED BY	thiemek	JOB NUMBER	
DESIGNED BY	A. MIZUTA	CONTRACT NO.	
ENTERED BY	K. THIEME	LOCATION NO.	
CHECKED BY	S. KUZNICKI		
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN	REVISION	DATE BY



DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL
PERMANENT TRAFFIC SIGNING AND PAVEMENT MARKING PLAN

SI013
SHEET OF SHEETS

thiemek

A

B

C

D

E

F

G

H



**PROHIBITED
VEHICLES
EXIT HERE**

**Denny Way
DOWNTOWN
EXIT ↖ ONLY**

OVERHEAD
SIGN BRIDGE

313

315 ←
315 ←
315 ←

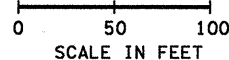
316 →
316 →
316 →

SB99
NB99

SR 99 SB
SR 99 NB

NOTES:

1. ALL SIGNING AND PAVEMENT MARKING NORTH OF THE CUT AND COVER PORTAL SECTION IS SHOWN FOR INFORMATION ONLY. THIS WORK TO BE DESIGNED AND CONSTRUCTED BY OTHERS.



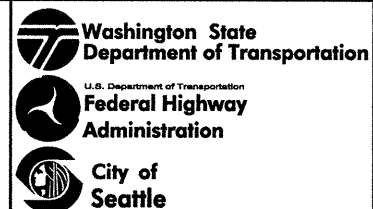
* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME c:\aawork\pwwork\lawv\thiemek\dms08455160073T00CQSI014.DLV			
TIME 6:43:39 AM			
DATE 2/4/2010			
PLOTTED BY thiemek			
DESIGNED BY A. MIZUTA			
ENTERED BY K. THIEME			
CHECKED BY S. KVZNICKI			
PROJ. ENGR. S. EVERETT			
REGIONAL ADM. R. PAANANEN			
	REVISION	DATE	BY

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	
JOB NUMBER		
CONTRACT NO.		LOCATION NO.



DRAFT
**CONCEPTUAL
DESIGN**
NOT FOR CONSTRUCTION



**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**

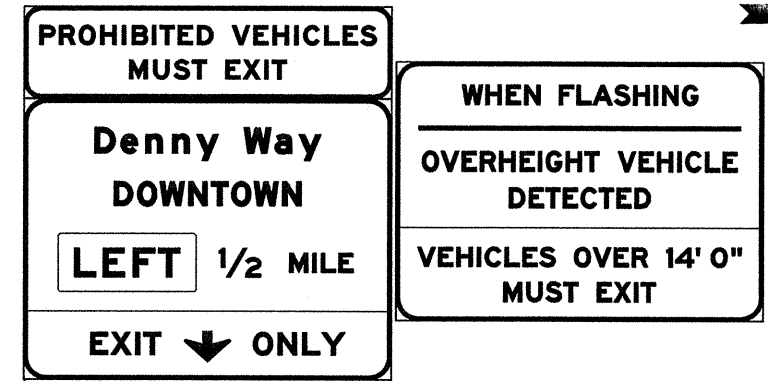
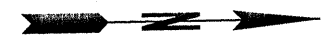
SR 99 BORED TUNNEL

**PERMANENT TRAFFIC SIGNING AND
PAVEMENT MARKING PLAN**

SI014

SHEET
OF
SHEETS

thiemek



OVERHEAD SIGN BRIDGE

OVERHEAD SIGN BRIDGE



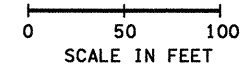
SR 99 NB

SR 99 SB

NOTES:

1. ALL SIGNING AND PAVEMENT MARKING NORTH OF THE CUT AND COVER PORTAL SECTION IS SHOWN FOR INFORMATION ONLY. THIS WORK TO BE DESIGNED AND CONSTRUCTED BY OTHERS.

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.



FILE NAME c:\aawork\pwwork\law\thiemek\dms08455\160073T00CQSI015.DLV			
TIME	6:43:53 AM	REGION NO.	STATE
DATE	2/4/2010	10	WASH
PLOTTED BY	thiemek	JOB NUMBER	
DESIGNED BY	A. MIZUTA	CONTRACT NO.	
ENTERED BY	K. THIEME	FED.AID PROJ.NO.	
CHECKED BY	S. KUZNICKI	LOCATION NO.	
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN	REVISION	DATE BY



DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL
PERMANENT TRAFFIC SIGNING AND PAVEMENT MARKING PLAN

SI015
SHEET OF SHEETS

thiemek

A

B

C

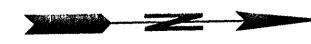
D



E

F

G

H



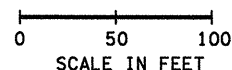
 99 TUNNEL VEHICLES OVER 14' 0" HIGH PROHIBITED <hr/> ALL OVERHEIGHT VEHICLES MUST EXIT	 99 TUNNEL HAZARDOUS MATERIALS PROHIBITED <hr/> ALL (HM) MUST EXIT
---	--

OVERHEAD
SIGN BRIDGE

OVERHEAD
SIGN BRIDGE

SR 99 NB

SR 99 SB



NOTES:

1. ALL SIGNING AND PAVEMENT MARKING NORTH OF THE CUT AND COVER PORTAL SECTION IS SHOWN FOR INFORMATION ONLY. THIS WORK TO BE DESIGNED AND CONSTRUCTED BY OTHERS.

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME c:\aawork\pwwork\law\thiemek\dms08455\160073T00CQS\016.DLV			
TIME 6:44:06 AM			
DATE 2/4/2010			
PLOTTED BY thiemek			
DESIGNED BY A. MIZUTA			
ENTERED BY D. OSBORNE / A. SNIDER			
CHECKED BY S. KVZNIKI			
PROJ. ENGR. S. EVERETT			
REGIONAL ADM. R. PAANANEN			
	REVISION	DATE	BY

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	
JOB NUMBER		
CONTRACT NO.		LOCATION NO.



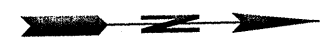
DRAFT
**CONCEPTUAL
DESIGN**
NOT FOR CONSTRUCTION



**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
**PERMANENT TRAFFIC SIGNING AND
PAVEMENT MARKING PLAN**

SI016
SHEET
OF
SHEETS

thiemek



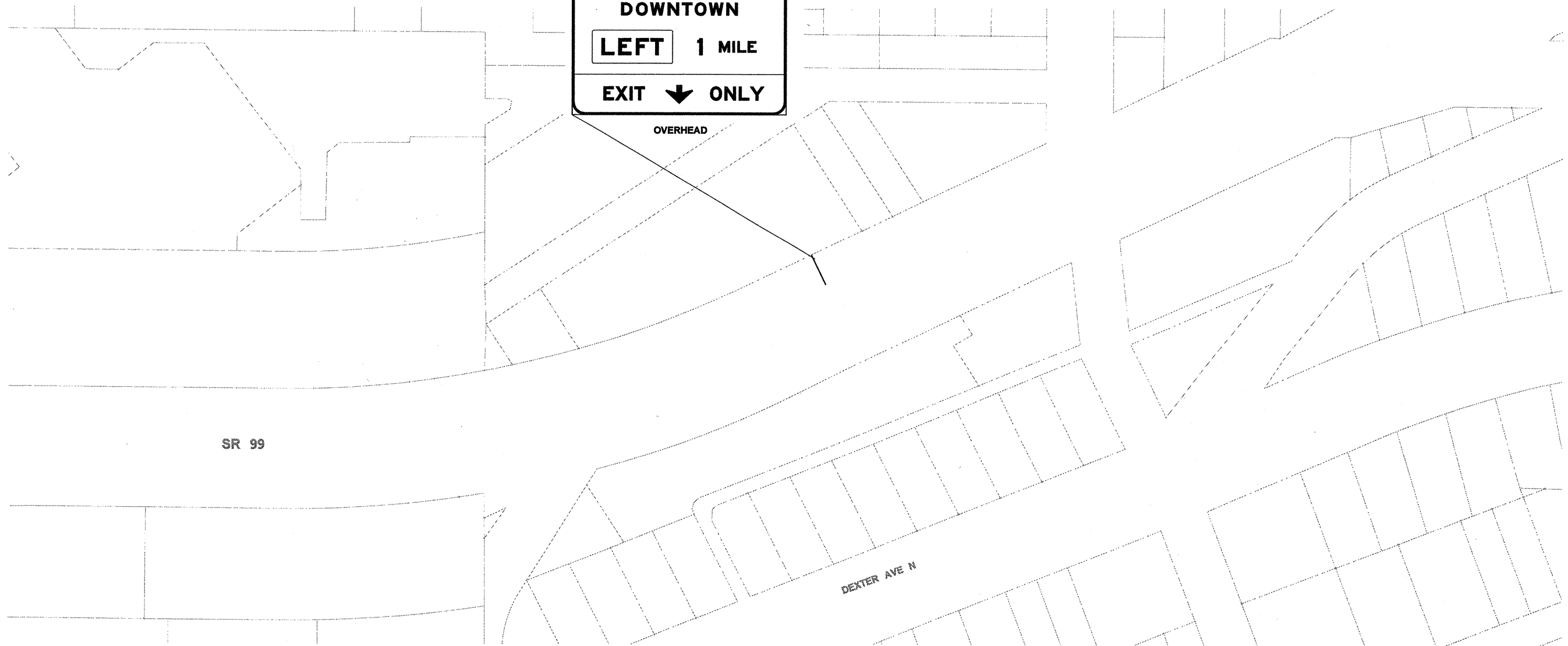
**PROHIBITED VEHICLES
MUST EXIT**

**Denny Way
DOWNTOWN**

LEFT 1 MILE

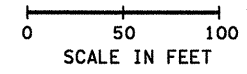
EXIT ↓ ONLY

OVERHEAD



SR 99

DEXTER AVE N



NOTES:

1. ALL SIGNING AND PAVEMENT MARKING NORTH OF THE CUT AND COVER PORTAL SECTION IS SHOWN FOR INFORMATION ONLY. THIS WORK TO BE DESIGNED AND CONSTRUCTED BY OTHERS.

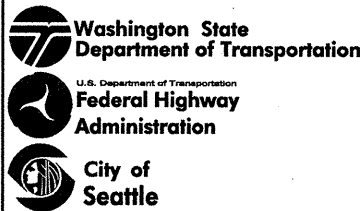
* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME c:\aawork\pwwork\awv\thiemek\dms08455160073T00CQSI017.DLV			
TIME	6:44:19 AM		
DATE	2/4/2010		
PLOTTED BY	thiemek		
DESIGNED BY	A. MIZUTA		
ENTERED BY	D. OSBORNE / A. SNIDER		
CHECKED BY	S. KVZNICKI		
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
	REVISION	DATE	BY

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	
JOB NUMBER		
CONTRACT NO.		LOCATION NO.



DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**

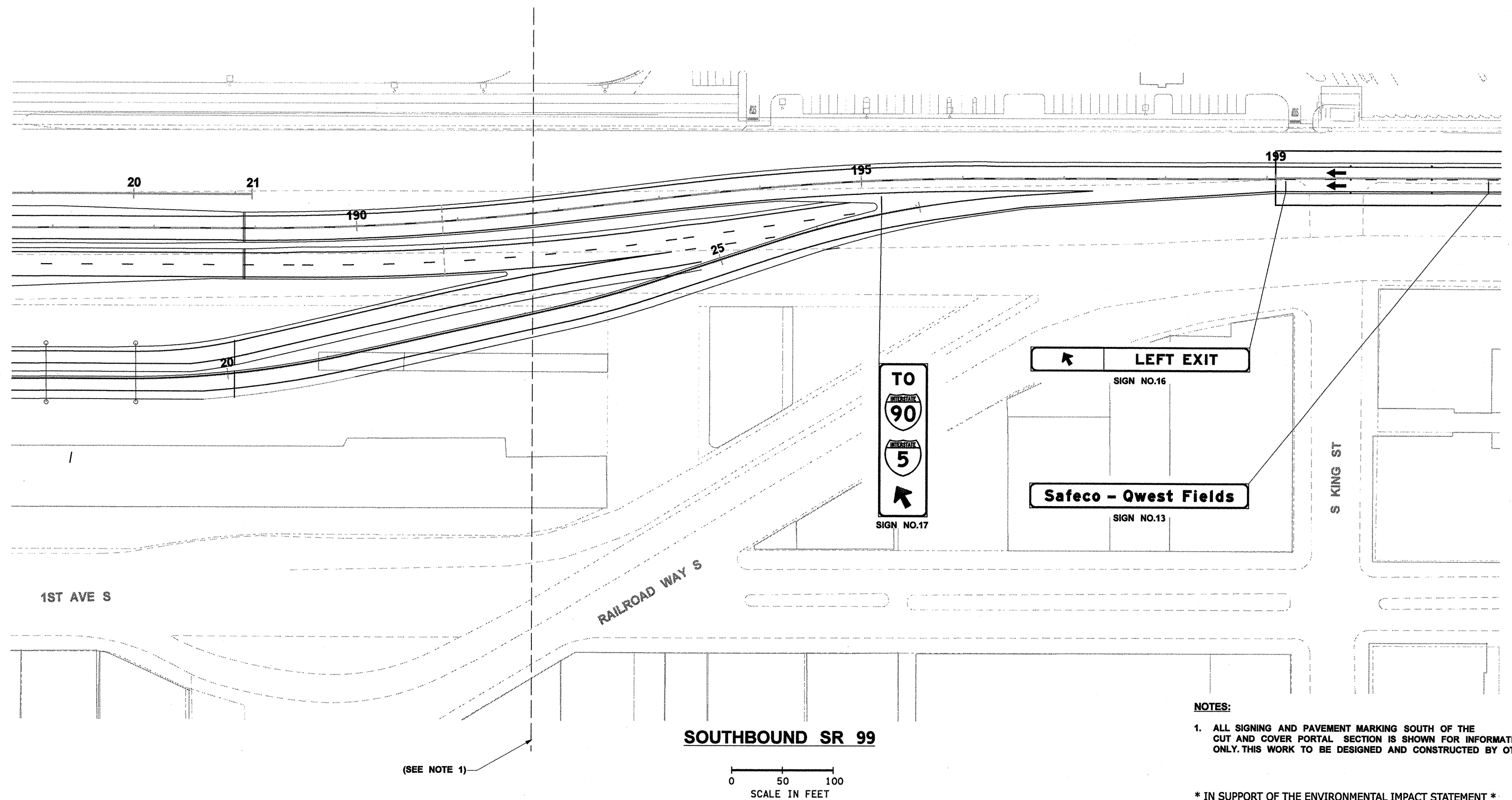
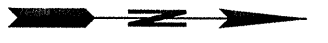
SR 99 BORED TUNNEL

**PERMANENT TRAFFIC SIGNING AND
PAVEMENT MARKING PLAN**

SI017

SHEET
OF
SHEETS

thiemek



NOTES:
 1. ALL SIGNING AND PAVEMENT MARKING SOUTH OF THE CUT AND COVER PORTAL SECTION IS SHOWN FOR INFORMATION ONLY. THIS WORK TO BE DESIGNED AND CONSTRUCTED BY OTHERS.

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
 In Aid to a Deliberative Process. Not for Distribution.

FILE NAME c:\aawork\pwwork\law\thiemek\dms08455160073T00CQSH107.DLV			
TIME	6:44:27 AM		
DATE	2/4/2010		
PLOTTED BY	thiemek		
DESIGNED BY	A. MIZUTA		
ENTERED BY	D. OSBORNE / A. SNIDER		
CHECKED BY	S. KUZNICKI		
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
	REVISION	DATE	BY

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	
JOB NUMBER		
CONTRACT NO.		LOCATION NO.



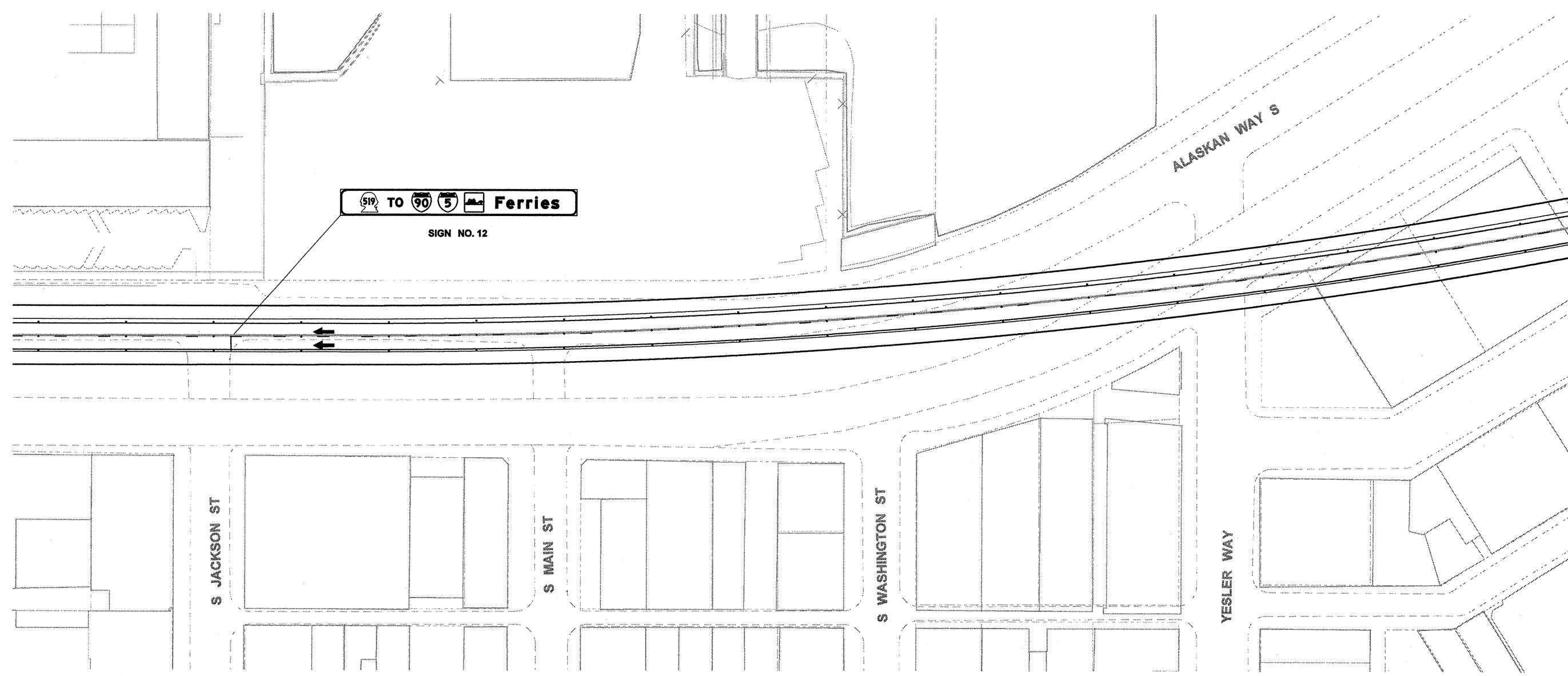
DRAFT
CONCEPTUAL DESIGN
 NOT FOR CONSTRUCTION



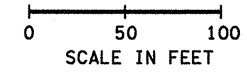
ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL
PERMANENT TRAFFIC SIGNING AND PAVEMENT MARKING PLAN

SI107
 SHEET OF SHEETS

thiemek



SOUTHBOUND SR 99



* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME c:\aawork\pwwork\law\thiemek\dms08455160073T00CQSI108.DLV			
TIME	6:44:34 AM		
DATE	2/4/2010		
PLOTTED BY	thiemek		
DESIGNED BY	A. MIZUTA		
ENTERED BY	K. THIEME		
CHECKED BY	S. KUZNICKI		
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
	REVISION	DATE	BY

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	
JOB NUMBER		
CONTRACT NO.		LOCATION NO.



DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION

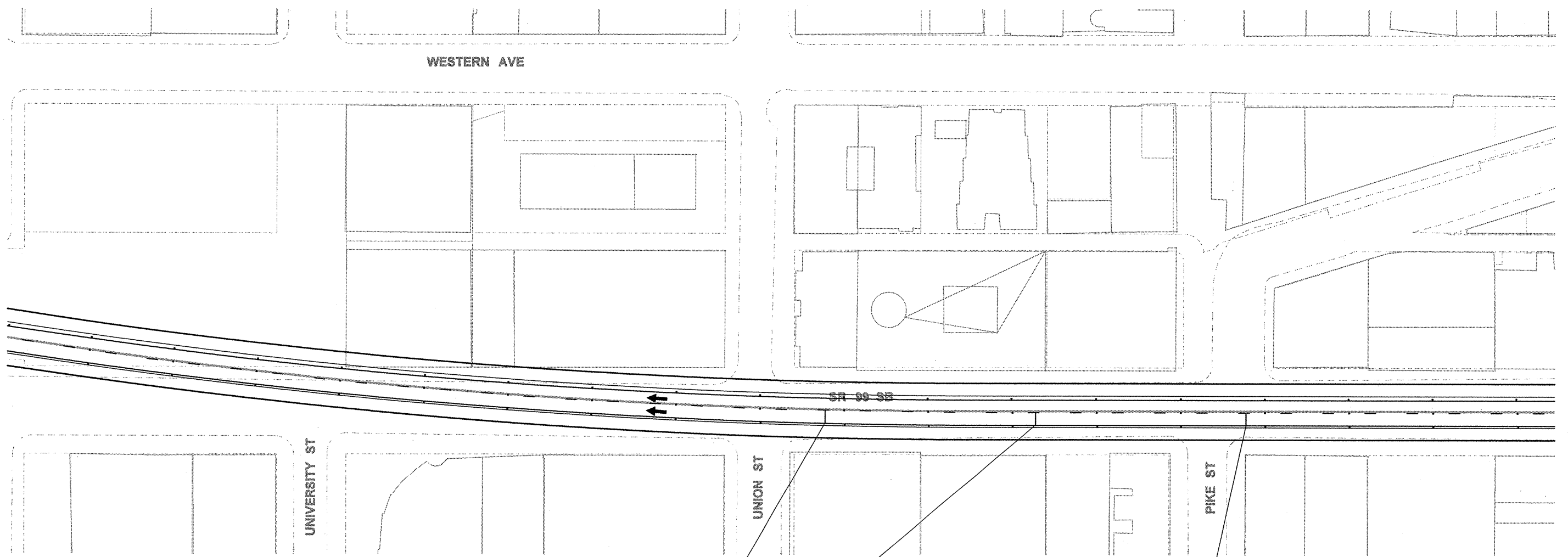
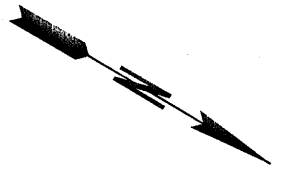


**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
**PERMANENT TRAFFIC SIGNING AND
PAVEMENT MARKING PLAN**

S1108
SHEET OF SHEETS

thiemek

A B C D E F G H



LEFT EXIT 3/4 MILE

SIGN NO. 15

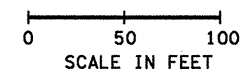
Safeco - Qwest Fields

SIGN NO. 13

519 TO 90 5 Ferries

SIGN NO. 12

SOUTHBOUND SR 99



* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME c:\aawork\pwwork\lawv\thiemek\dms08455\160073T00CQSH110.DLV			
TIME	6:44:42 AM		
DATE	2/4/2010		
PLOTTED BY	thiemek		
DESIGNED BY	A. MIZUTA	REGION NO.	10
ENTERED BY	K. THIEME	STATE	WASH
CHECKED BY	S. KUZNICKI	JOB NUMBER	
PROJ. ENGR.	S. EVERETT	CONTRACT NO.	
REGIONAL ADM.	R. PAANANEN	LOCATION NO.	
	REVISION	DATE	BY



DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
**PERMANENT TRAFFIC SIGNING AND
PAVEMENT MARKING PLAN**

SI110
SHEET
OF
SHEETS

thiemek

A

B

C

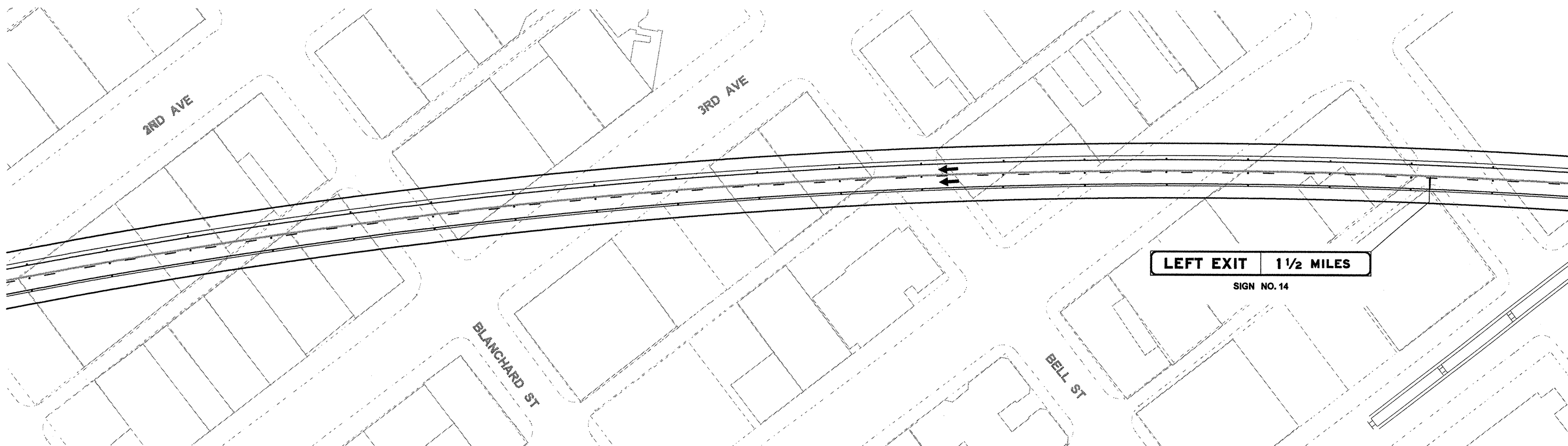
D

E

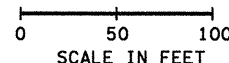
F

G

H



SOUTHBOUND SR 99



* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME c:\aawork\pwwork\awv\thiemek\dms08455160073T00CQSH111.DLV			
TIME	6:44:51 AM		
DATE	2/4/2010		
PLOTTED BY	thiemek		
DESIGNED BY	A. MIZUTA		
ENTERED BY	K. THIEME		
CHECKED BY	S. KUZNICKI		
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
	REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER		
CONTRACT NO.		LOCATION NO.



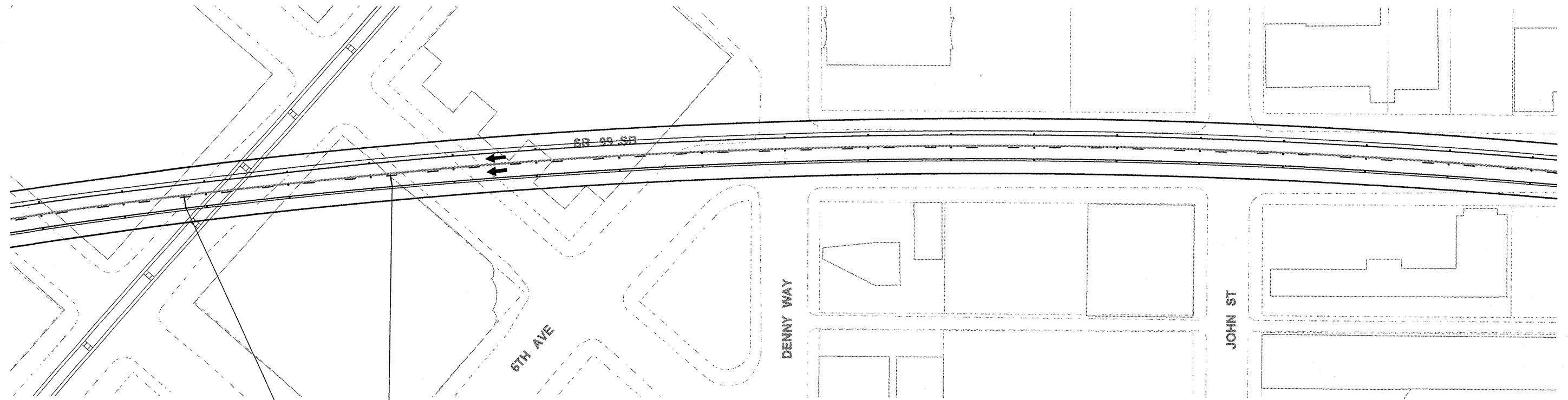
DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
**PERMANENT TRAFFIC SIGNING AND
PAVEMENT MARKING PLAN**

SI111
SHEET
OF
SHEETS

thiemek



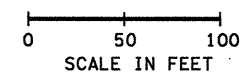
Safeco - Qwest Fields

SIGN NO. 13

919 TO 90 5 Ferries

SIGN NO. 12

SOUTHBOUND SR 99



* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME				c:\aawork\pwwork\law\thiemek\dms08455160073T00CQSH2.DLV			
TIME				6:44:58 AM			
DATE				2/4/2010			
PLOTTED BY		thiemek		REGION NO.		STATE	
DESIGNED BY		A. MIZUTA		10		WASH	
ENTERED BY		K. THIEME		JOB NUMBER		---	
CHECKED BY		S. KUZNICKI		CONTRACT NO.		---	
PROJ. ENGR.		S. EVERETT		LOCATION NO.		---	
REGIONAL ADM.		R. PAANANEN		REVISION		DATE BY	



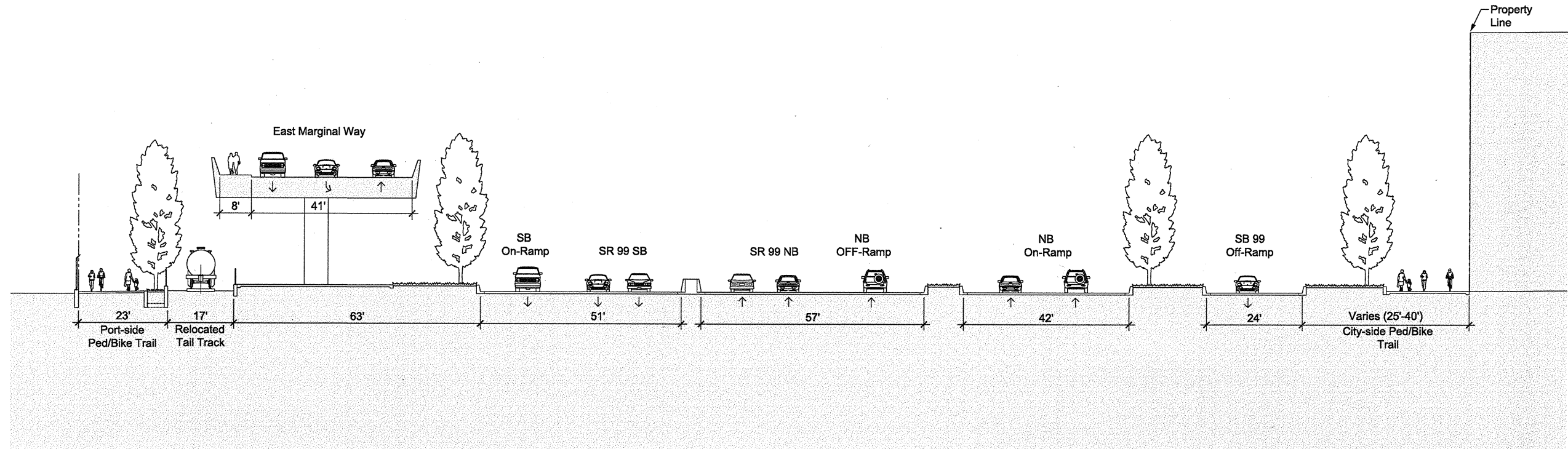
DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



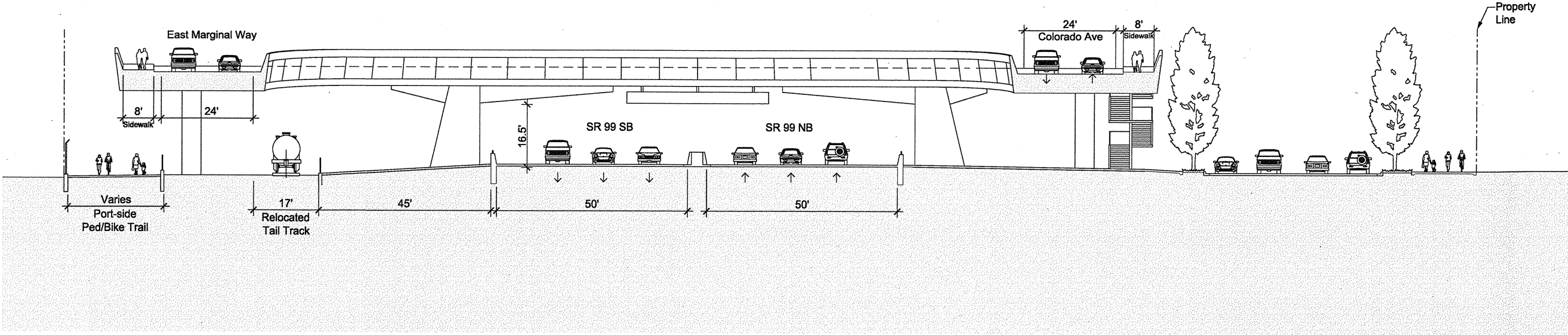
**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
**PERMANENT TRAFFIC SIGNING AND
PAVEMENT MARKING PLAN**

SI112
SHEET
OF
SHEETS

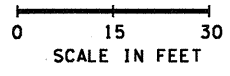
thiemek



SECTION B
NOT TO SCALE
UX002



SECTION A
NOT TO SCALE
UX002



* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
Work product in aid to a deliberative process,
Not for Distribution

Yu-Wen Huang

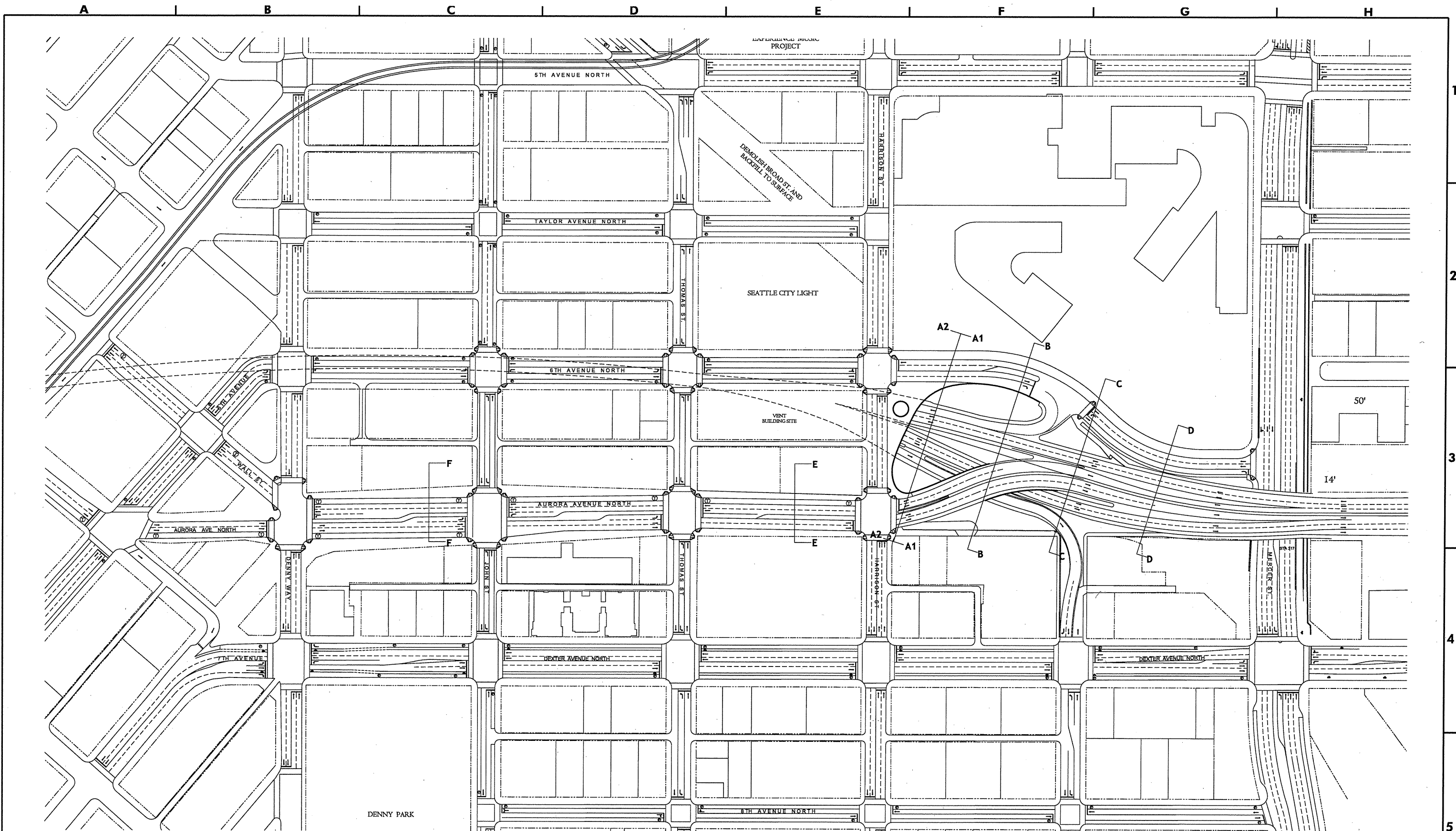
FILE NAME	\\nfrantserver2\projects 7\1465 AWW - WSDOT\CAD\Sheets\SECTIONS SOUTH B4 SH.dgn			
TIME	12:11:18 PM			
DATE	2/5/2010			
PLOTTED BY	Yu-Wen Huang			
DESIGNED BY	B. DRAMOV			
ENTERED BY	Y. HUANG			
CHECKED BY				
PROJ. ENGR.	S. EVERETT			
REGIONAL ADM.	R. PAANANEN			
REVISION	DATE	BY	REGION NO.	STATE
			10	WASH
			JOB NUMBER	FED. AID PROJ. NO.
			CONTRACT NO.	LOCATION NO.

DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
OPTION B SECTIONS A AND B

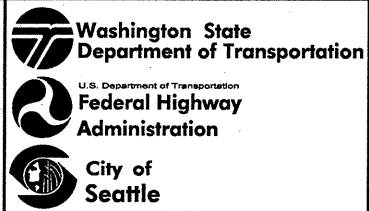
UX002
SHEET OF SHEETS



* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
 Work product in aid to a deliberative process,
 Not for Distribution

FILE NAME		\\infrantserver2\projects_71465 AWW - WSDOT\CAD\Sheets\SECTIONS NORTH SH.dgn	
TIME	2:16:53 PM	REGION NO.	STATE
DATE	2/5/2010	10	WASH
PLOTTED BY	Bryan Faunt	JOB NUMBER	
DESIGNED BY	B. DRAMOV	CONTRACT NO.	
ENTERED BY	B. FAUNT	LOCATION NO.	
CHECKED BY			
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
	REVISION	DATE	BY

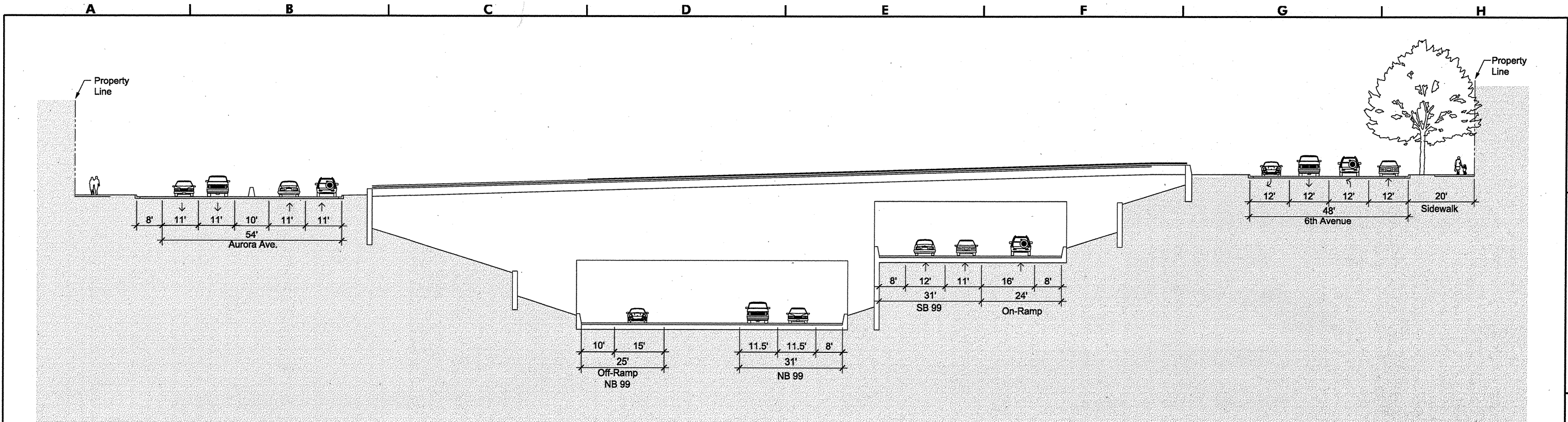
DRAFT
CONCEPTUAL DESIGN
 NOT FOR CONSTRUCTION



**ALASKAN WAY VIADUCT
 REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
**NORTH PORTAL OPTION 2
 URBAN DESIGN PLAN**

UX010
 SHEET
 OF
 SHEETS

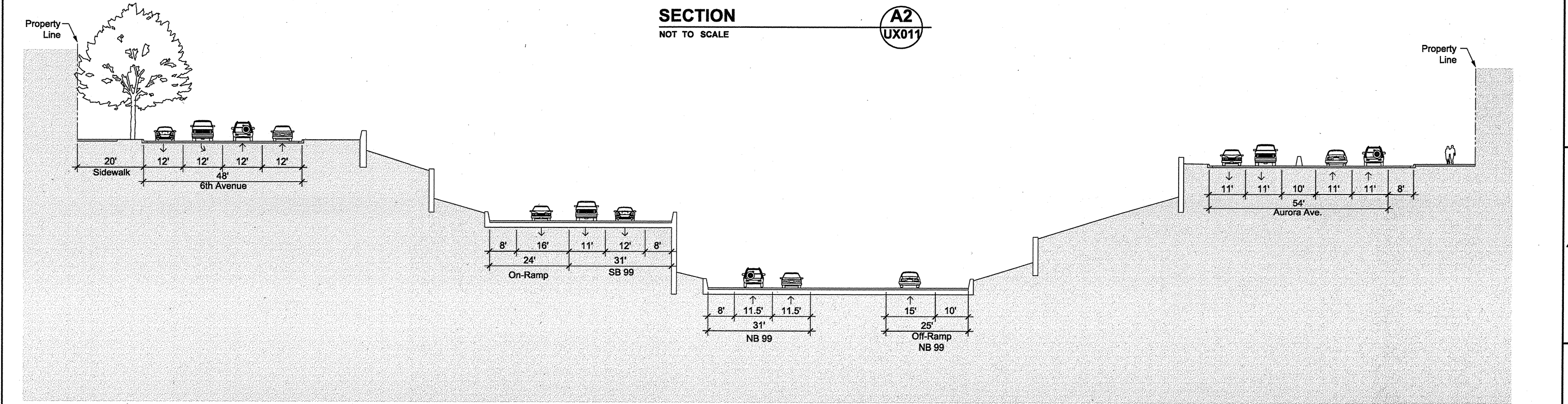
Bryan Faunt



SECTION

NOT TO SCALE

A2
UX011



SECTION

NOT TO SCALE

A1
UX011

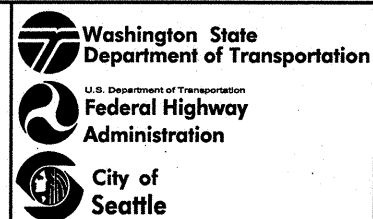
0 15 30
SCALE IN FEET

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
Work product in aid to a deliberative process,
Not for Distribution

Bryan Faunt

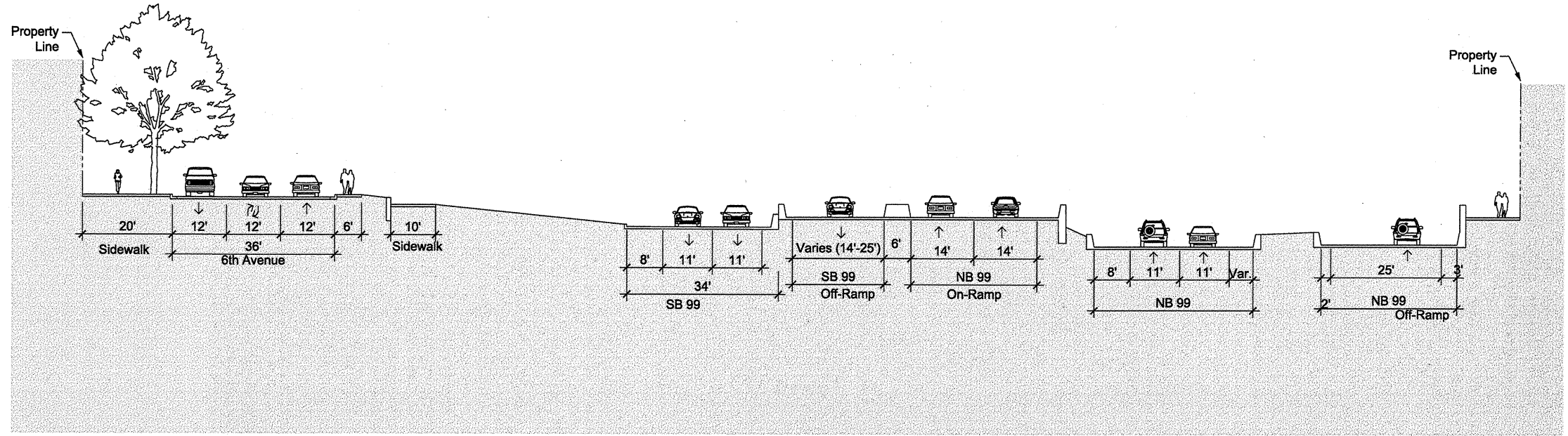
FILE NAME	\\nfrantserver2\projects_71465_AWV - WSDOT\CAD\Sheets\SECTIONS NORTH SH.dgn			
TIME	3:45:43 PM			
DATE	2/5/2010			
PLOTTED BY	Bryan Faunt			
DESIGNED BY	B. DRAMOV			
ENTERED BY	B. FAUNT			
CHECKED BY				
PROJ. ENGR.	S. EVERETT			
REGIONAL ADM.	R. PAANANEN			
REVISION	DATE	BY	REGION NO.	STATE
			10	WASH
			JOB NUMBER	FED. AID PROJ. NO.
			CONTRACT NO.	LOCATION NO.

DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



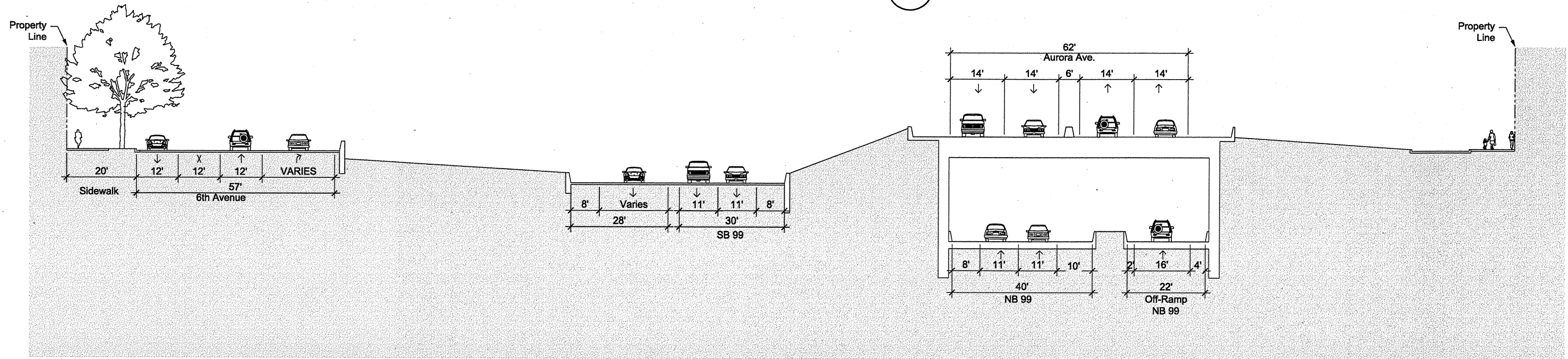
**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
NORTH PORTAL SECTIONS A1 AND A2

UX011
SHEET
OF
SHEETS



SECTION
NOT TO SCALE

C
UX013



SECTION
NOT TO SCALE

B
UX013

0 15 30
SCALE IN FEET

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
Work product in aid to a deliberative process,
Not for Distribution

FILE NAME	\\infrantserver2\projects_71465 AWW - WSDOT\CAD\Sheets\SECTIONS NORTH SH.dgn		
TIME	4:11:01 PM		
DATE	2/5/2010		
PLOTTED BY	Bryan Faunt		
DESIGNED BY	B. DRAMOV		
ENTERED BY	B. FAUNT		
CHECKED BY			
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	
REGION NO.	STATE	FED. AID PROJ. NO.	
10	WASH		
JOB NUMBER			
CONTRACT NO.	LOCATION NO.		

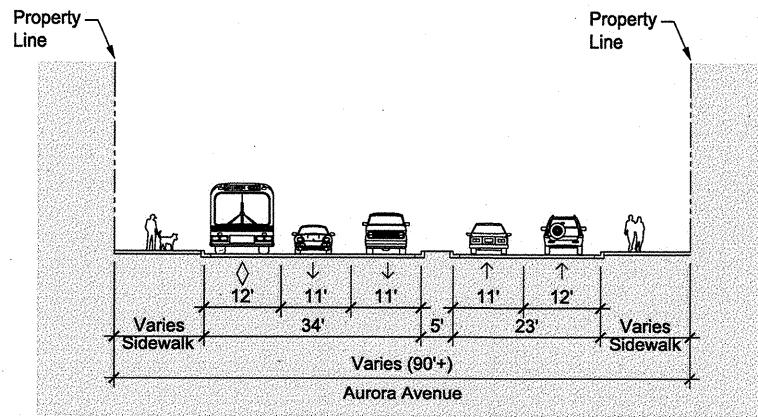
DRAFT
CONCEPTUAL
DESIGN
NOT FOR CONSTRUCTION



ALASKAN WAY VIADUCT
REPLACEMENT PROJECT
SR 99 BORED TUNNEL
NORTH PORTAL OPTION 2
SECTIONS B AND C

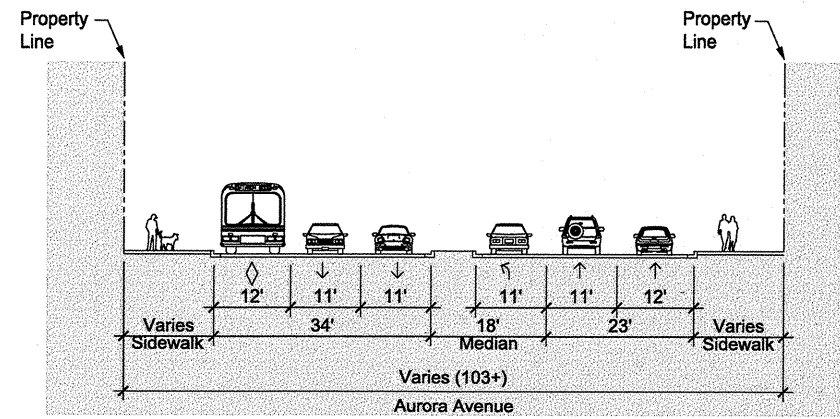
UX013
SHEET
OF
SHEETS

Bryan Faunt



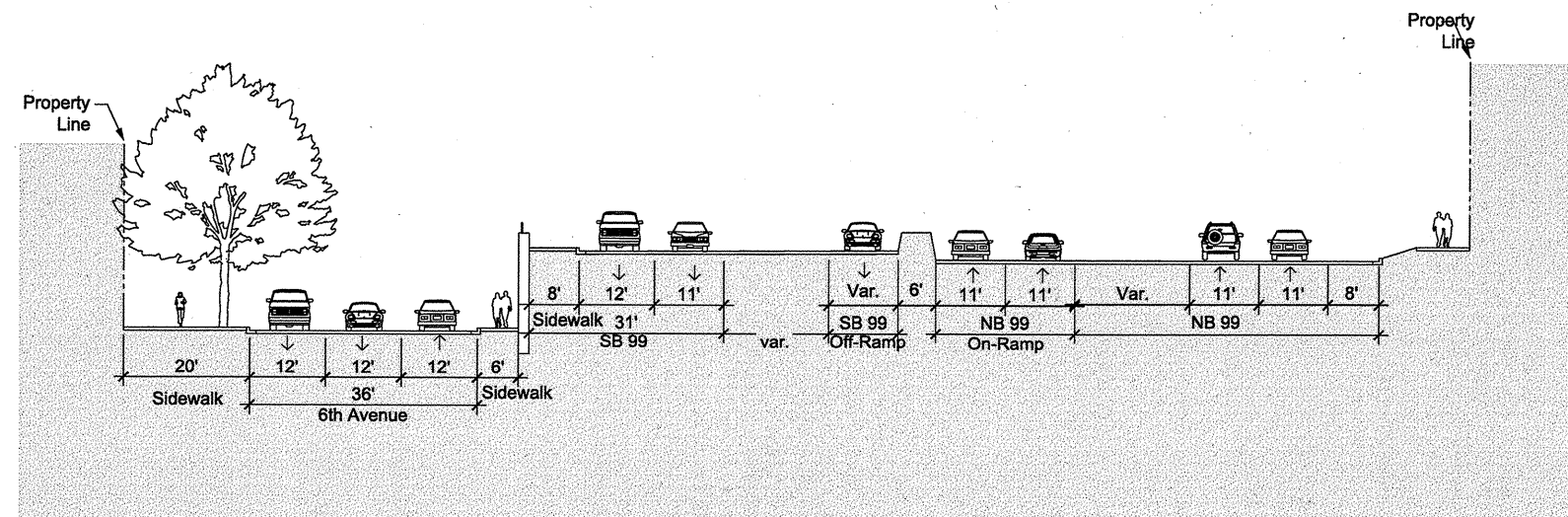
SECTION
NOT TO SCALE

E
UX014



SECTION
NOT TO SCALE

F
UX014



SECTION
NOT TO SCALE

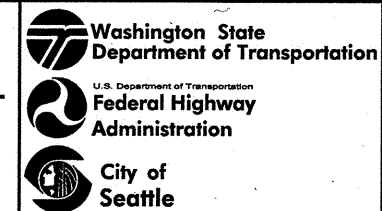
D2
UX014

0 15 30
SCALE IN FEET

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
Work product in aid to a deliberative process,
Not for Distribution

FILE NAME	\\infrantserver2\projects_71465_AWV - WSDOT\CAD\Sheets\SECTIONS NORTH SH.dgn		
TIME	4:05:59 PM		
DATE	2/5/2010		
PLOTTED BY	Bryan Faunt		
DESIGNED BY	B. DRAMOV		
ENTERED BY	B. FAUNT		
CHECKED BY			
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	
REGION NO.	STATE	FED. AID PROJ. NO.	
10	WASH		
JOB NUMBER			
CONTRACT NO.	LOCATION NO.		

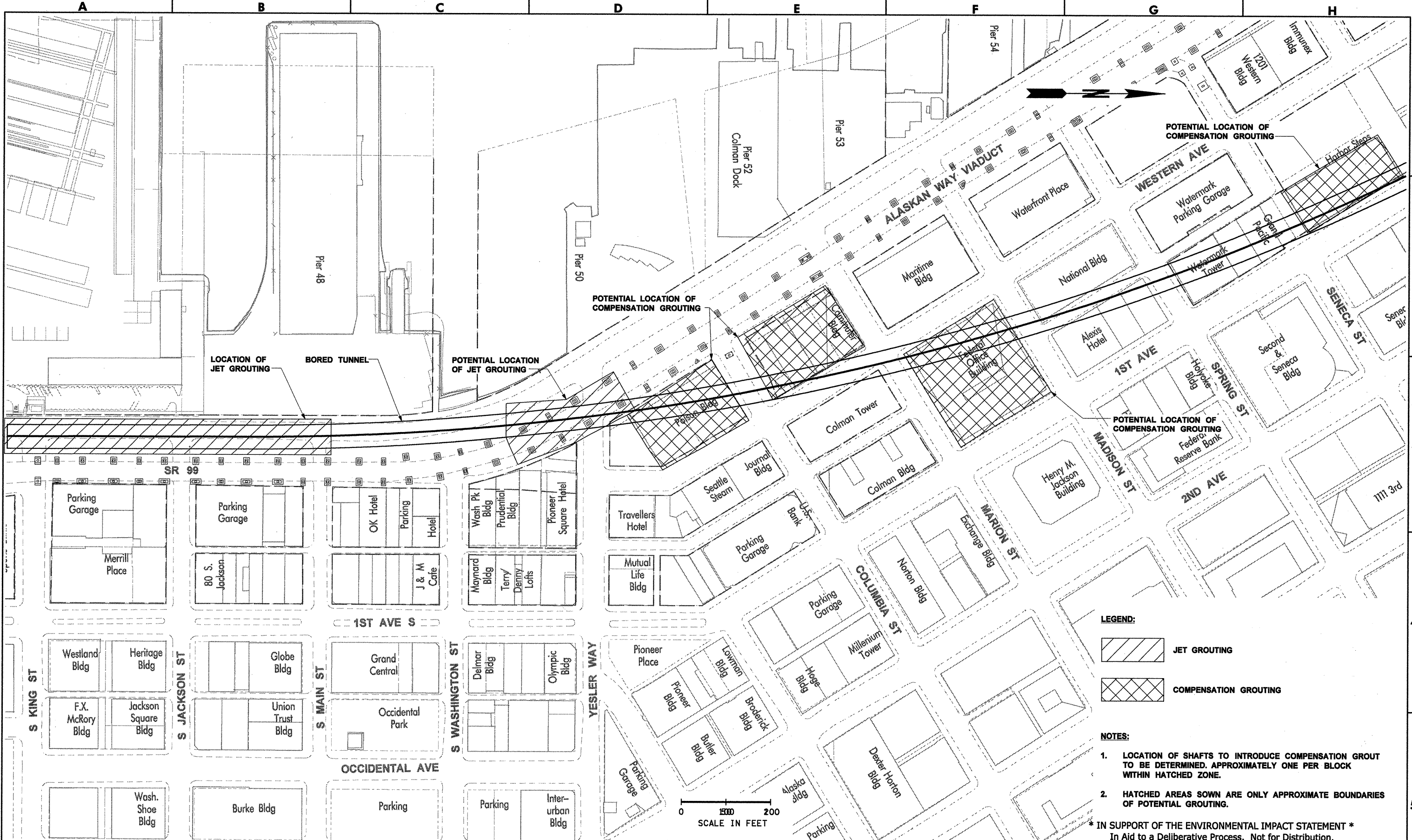
DRAFT
CONCEPTUAL
DESIGN
NOT FOR CONSTRUCTION



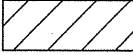
ALASKAN WAY VIADUCT
REPLACEMENT PROJECT
SR 99 BORED TUNNEL
NORTH PORTAL SECTIONS D2, E AND F


UX014
SHEET
OF
SHEETS

Bryan Faunt



LEGEND:

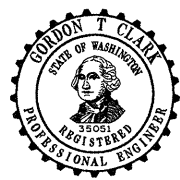
 JET GROUTING

 COMPENSATION GROUTING

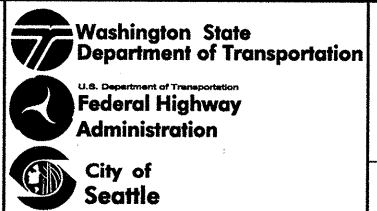
- NOTES:**
1. LOCATION OF SHAFTS TO INTRODUCE COMPENSATION GROUT TO BE DETERMINED. APPROXIMATELY ONE PER BLOCK WITHIN HATCHED ZONE.
 2. HATCHED AREAS SHOWN ARE ONLY APPROXIMATE BOUNDARIES OF POTENTIAL GROUTING.

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
In Aid to a Deliberative Process. Not for Distribution.

FILE NAME		c:\aawork\pwork\law\moattae\dms08468160073T00CQG1010E.DLV	
TIME		9:24:38 AM	
DATE		2/4/2010	
PLOTTED BY		moattae	
DESIGNED BY			
ENTERED BY			
CHECKED BY			
PROJ. ENGR.		S. EVERETT	
REGIONAL ADM.		R. PAANANEN	
REVISION	DATE	BY	
REGION NO.	STATE	FED. AID PROJ. NO.	
10	WASH		
JOB NUMBER			
CONTRACT NO.	LOCATION NO.		



DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL
GROUND IMPROVEMENT

GI010
SHEET OF SHEETS

moattae

A

B

C

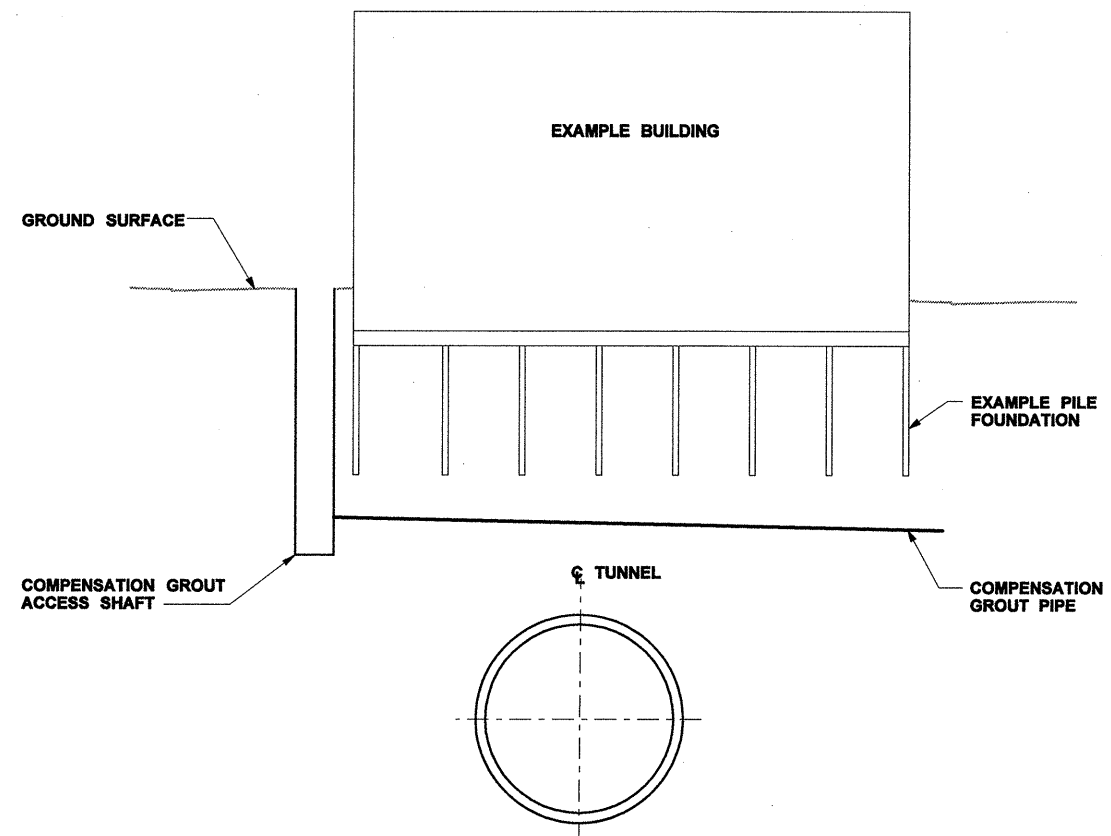
D

E

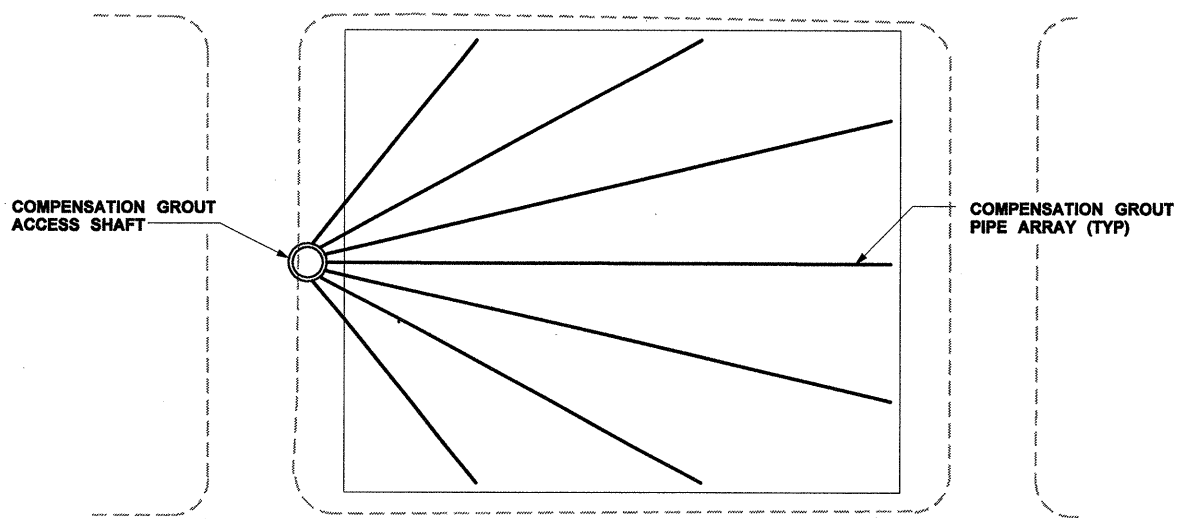
F

G

H



TYPICAL BUILDING ELEVATION



TYPICAL BUILDING PLAN

NOTE:
 THE ARRANGEMENT OF PIPES SHOWN IS FOR EXAMPLE ONLY AND THE NUMBER AND PLACEMENT OF PIPES MUST BE DETERMINED ON AN INDIVIDUAL BUILDING BASIS.

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
 In Aid to a Deliberative Process. Not for Distribution.

FILE NAME c:\aawork\pwwork\lawv\moattae\dms08468160073T00CQGI011E.DLV			
TIME	9:24:41 AM		
DATE	2/4/2010		
PLOTTED BY	moattae		
DESIGNED BY			
ENTERED BY			
CHECKED BY			
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
	REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER		
CONTRACT NO.		LOCATION NO.



DRAFT
CONCEPTUAL DESIGN
 NOT FOR CONSTRUCTION



ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL
TYPICAL COMPENSATION GROUT PLAN

GI011
 SHEET OF SHEETS

moattae

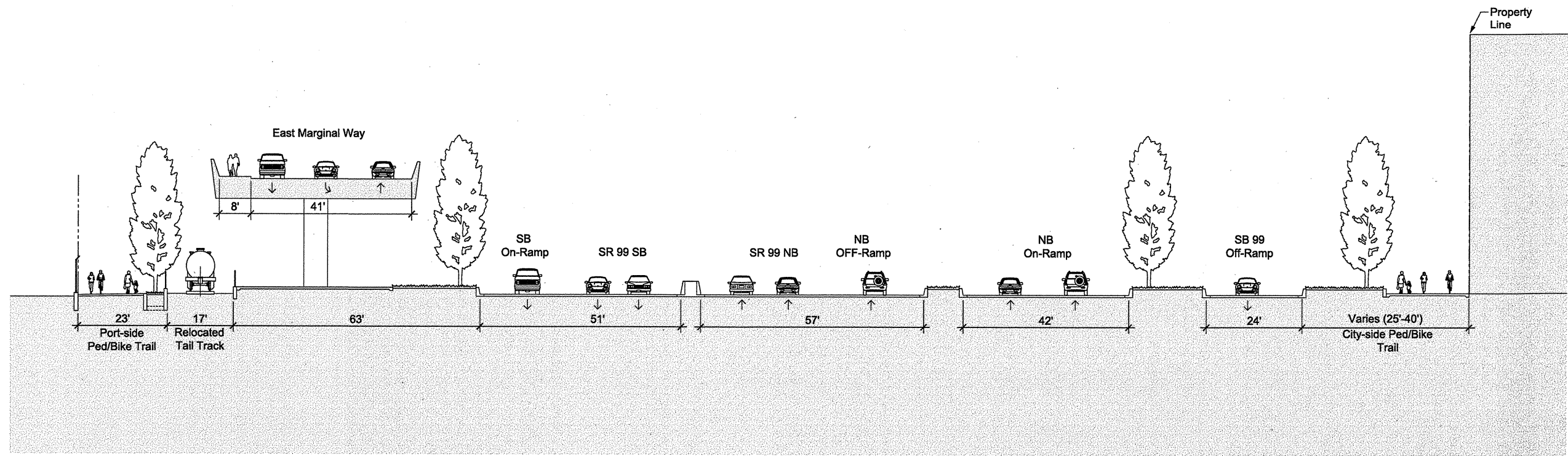
1

2

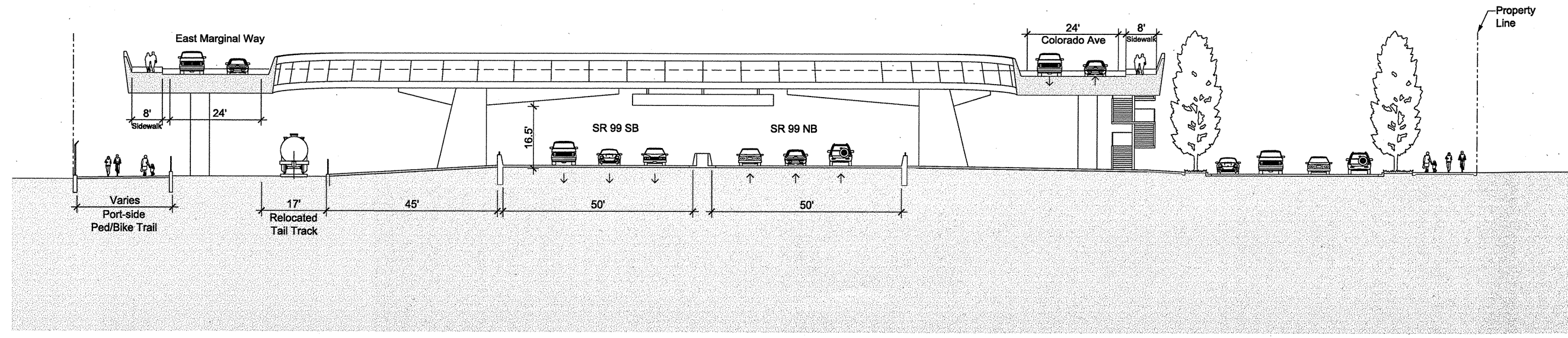
3

4

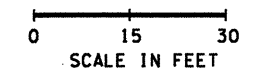
5



SECTION B
NOT TO SCALE
UX002



SECTION A
NOT TO SCALE
UX002

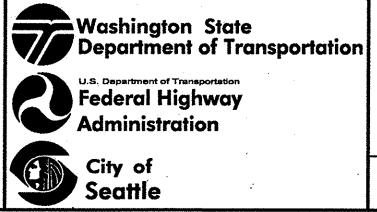


* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
Work product in aid to a deliberative process,
Not for Distribution

Yu-Wen Huang

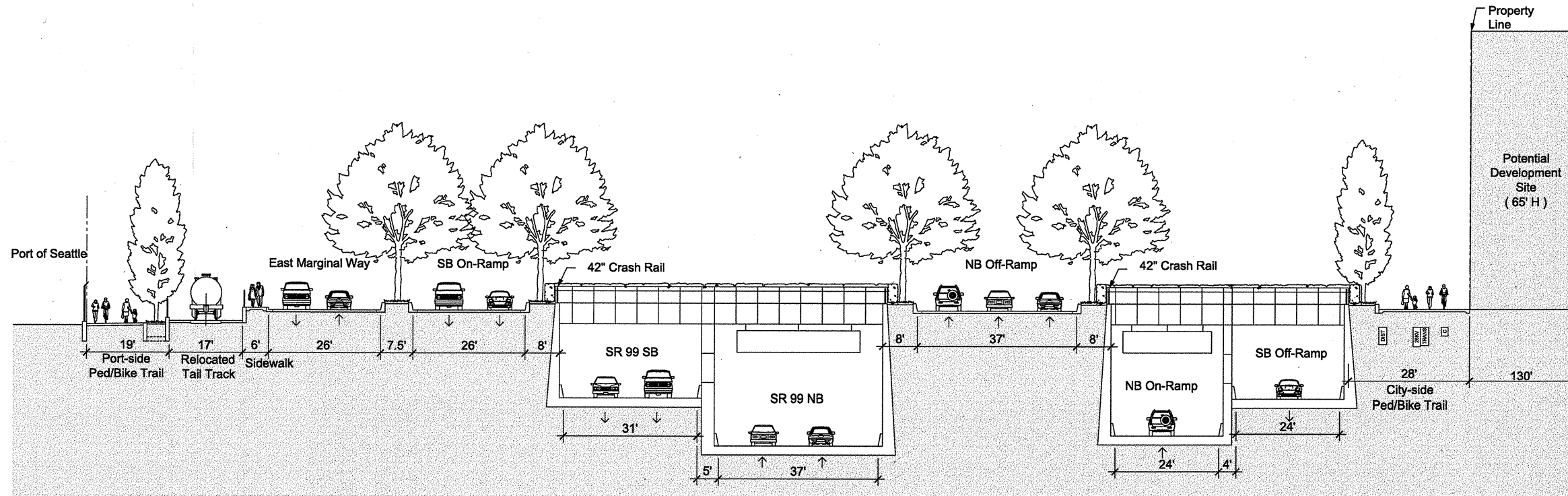
FILE NAME	\\nfrantserver2\projects_71465 AWW - WSDOT\CAD\Sheets\SECTIONS SOUTH B4 SH.dgn			
TIME	12:11:18 PM			
DATE	2/5/2010			
PLOTTED BY	Yu-Wen Huang			
DESIGNED BY	B. DRAMOV			
ENTERED BY	Y. HUANG			
CHECKED BY				
PROJ. ENGR.	S. EVERETT			
REGIONAL ADM.	R. PAANANEN			
REVISION	DATE	BY	REGION NO.	STATE
			10	WASH
			JOB NUMBER	FED. AID PROJ. NO.
			CONTRACT NO.	LOCATION NO.

DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION

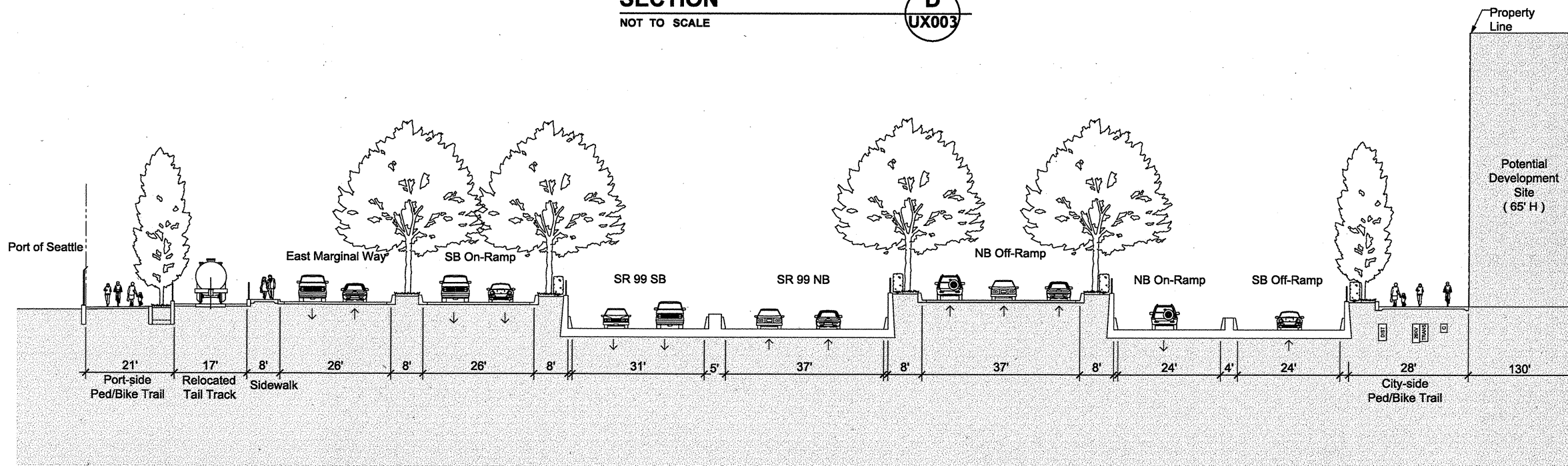


**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
OPTION B SECTIONS A AND B

UX002
SHEET
OF
SHEETS



SECTION D
NOT TO SCALE
UX003



SECTION C
NOT TO SCALE
UX003

0 15 30
SCALE IN FEET

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
Work product in aid to a deliberative process,
Not for Distribution

YU-WEN HUANG

FILE NAME	\\nfrantserver2\projects_71465 AWW - WSDOT\CAD\Sheets\SECTIONS SOUTH B4 SH.dgn			
TIME	12:10:24 PM			
DATE	2/5/2010			
PLOTTED BY	Yu-Wen Huang			
DESIGNED BY	B. DRAMOV			
ENTERED BY	Y. HUANG			
CHECKED BY	S. EVERETT			
PROJ. ENGR.	S. EVERETT			
REGIONAL ADM.	R. PAANANEN			
	REVISION	DATE	BY	

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	
JOB NUMBER		
CONTRACT NO.		LOCATION NO.

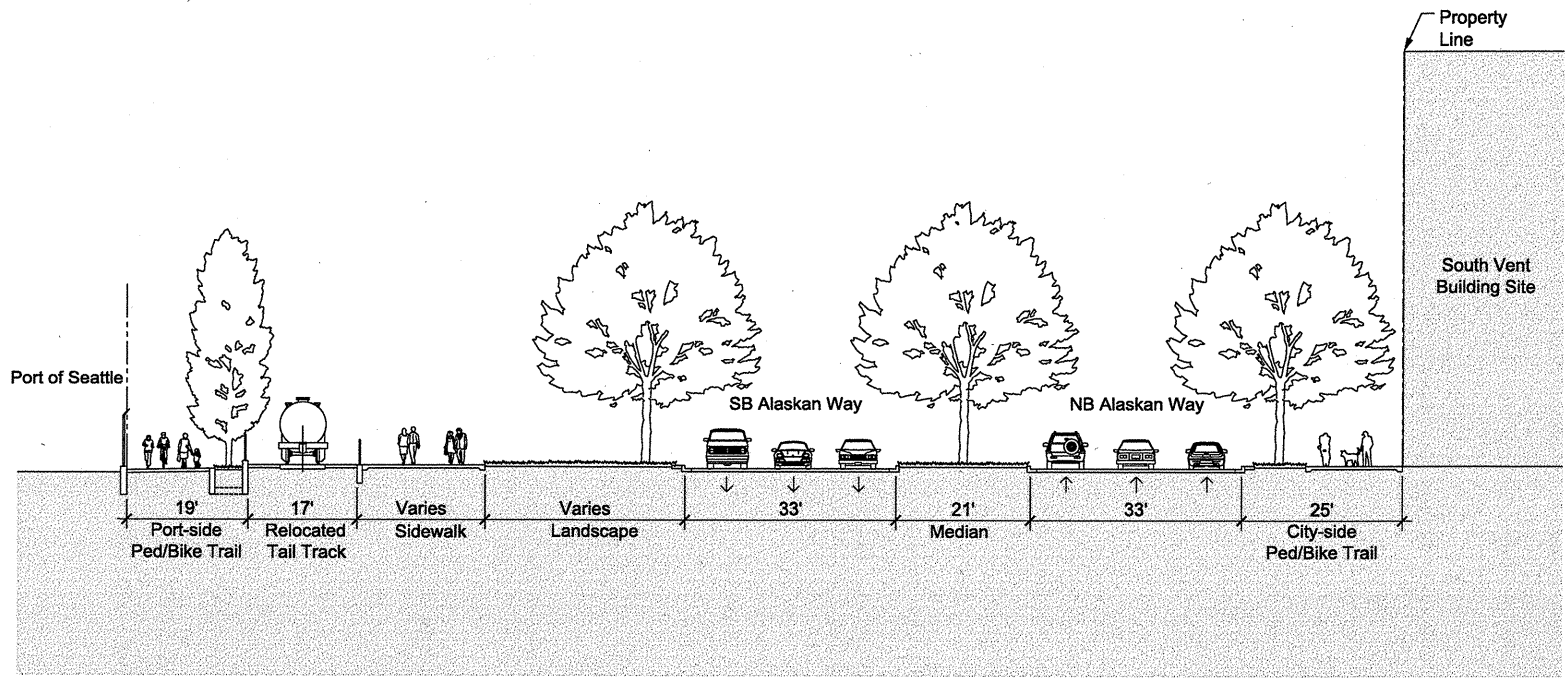
DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



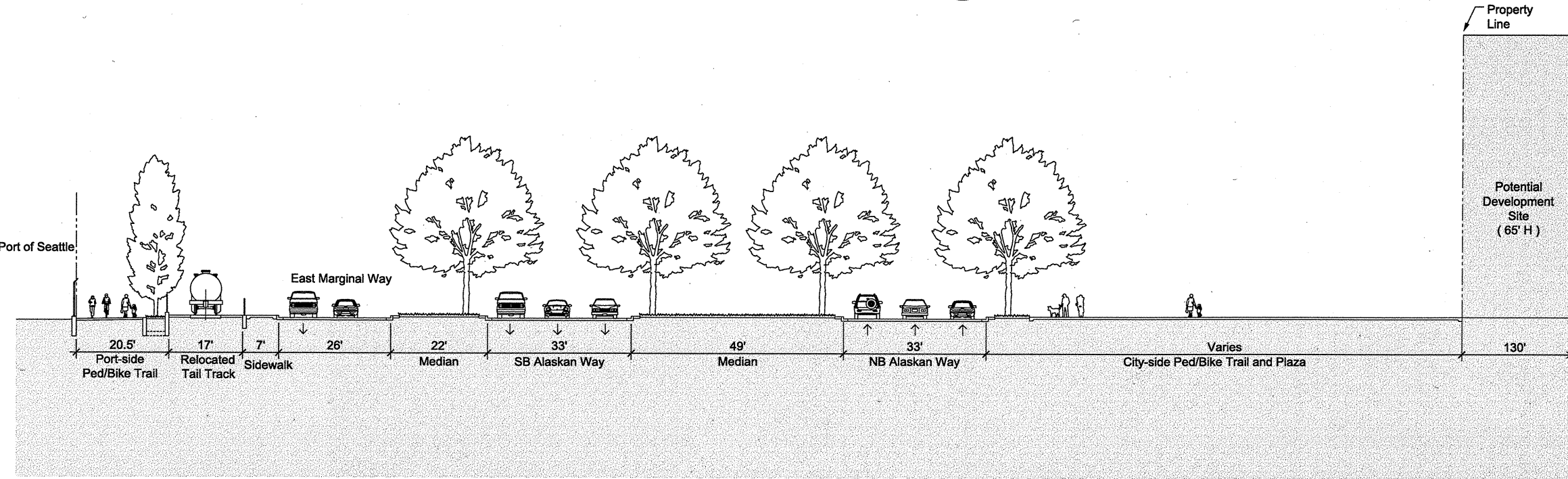
ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL

OPTION B SECTIONS C AND D

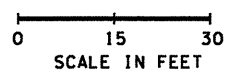
UX003
SHEET OF SHEETS



SECTION F
NOT TO SCALE



SECTION E
NOT TO SCALE



* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
Work product in aid to a deliberative process,
Not for Distribution

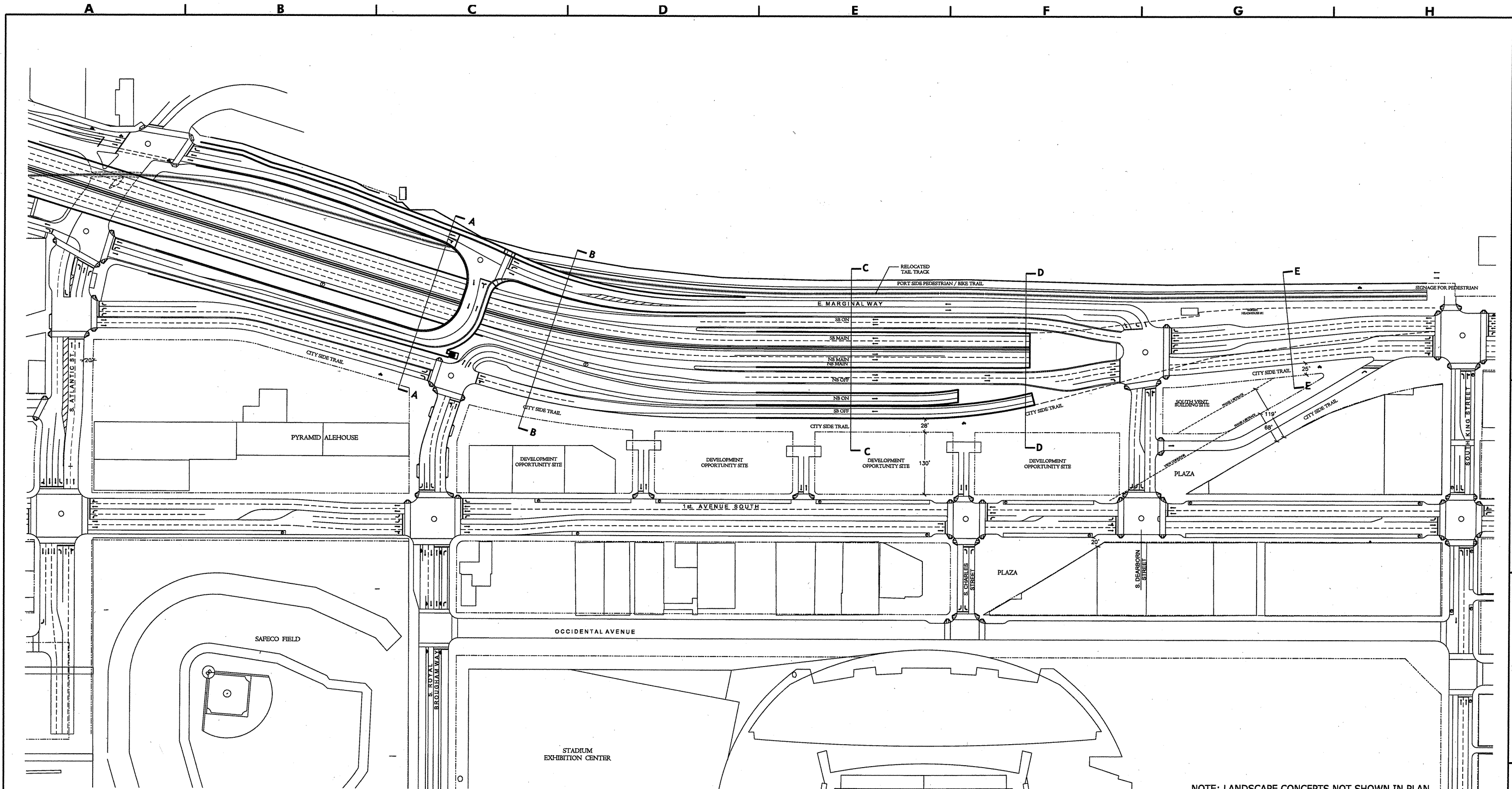
Yu-Wen Huang

FILE NAME \\infrantserver2\projects_71465 AWW - WSDOT\CAD\Sheets\SECTIONS SOUTH B4 SH.dgn			
TIME	12:14:18 PM	REGION NO.	STATE
DATE	2/5/2010	10	WASH
PLOTTED BY	Yu-Wen Huang	JOB NUMBER	
DESIGNED BY	B. DRAMOV	CONTRACT NO.	
ENTERED BY	Y. HUANG	LOCATION NO.	
CHECKED BY			
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN	REVISION	DATE BY

DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION

**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
OPTION B SECTIONS E AND F

UX004
SHEET
OF
SHEETS



NOTE: LANDSCAPE CONCEPTS NOT SHOWN IN PLAN

OPTION "D" URBAN DESIGN PLAN

NOT TO SCALE

1
UX008

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
Work product in aid to a deliberative process,
Not for Distribution

YU-WEN HUANG

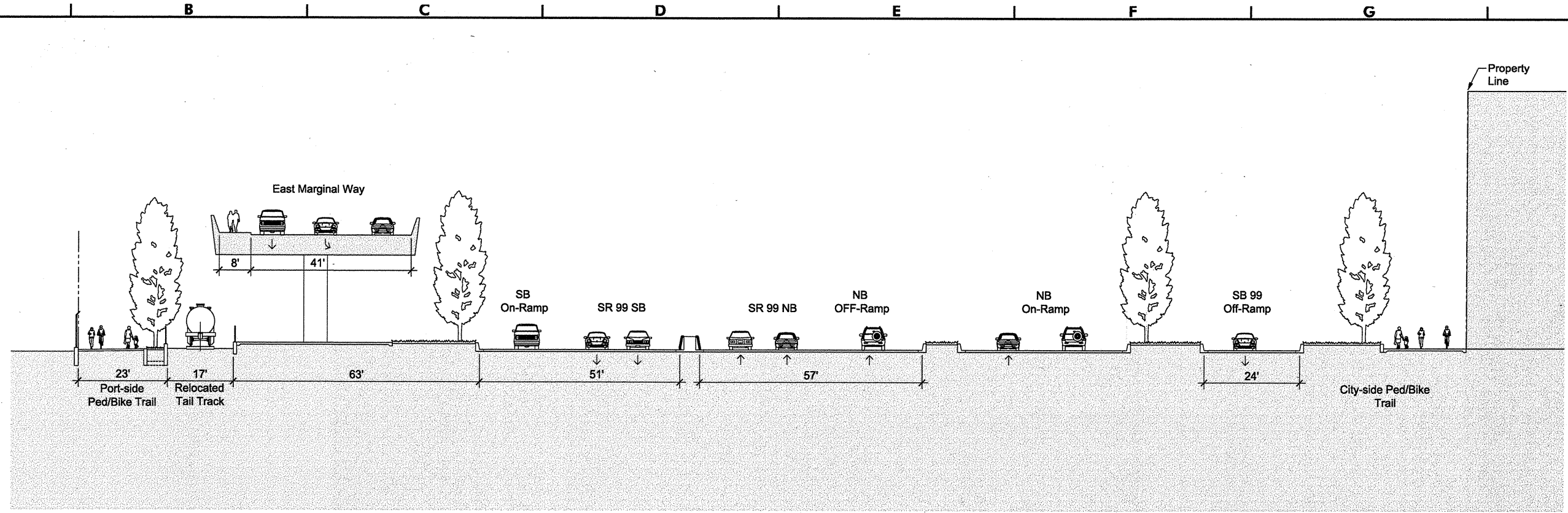
FILE NAME	\\nfrantserver2\projects_71465 AWW - WSDOT\CAD\Sheets\SECTIONS SOUTH D4 SH LOCATION PLAN.dgn				
TIME	12:17:00 PM				
DATE	2/5/2010				
PLOTTED BY	Yu-Wen Huang				
DESIGNED BY	B. DRAMOV				
ENTERED BY	Y. HUANG				
CHECKED BY					
PROJ. ENGR.	S. EVERETT				
REGIONAL ADM.	R. PAANANEN				
REVISION	DATE	BY	REGION NO.	STATE	FED. AID PROJ. NO.
			10	WASH	
			JOB NUMBER		
			CONTRACT NO.		LOCATION NO.

DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION

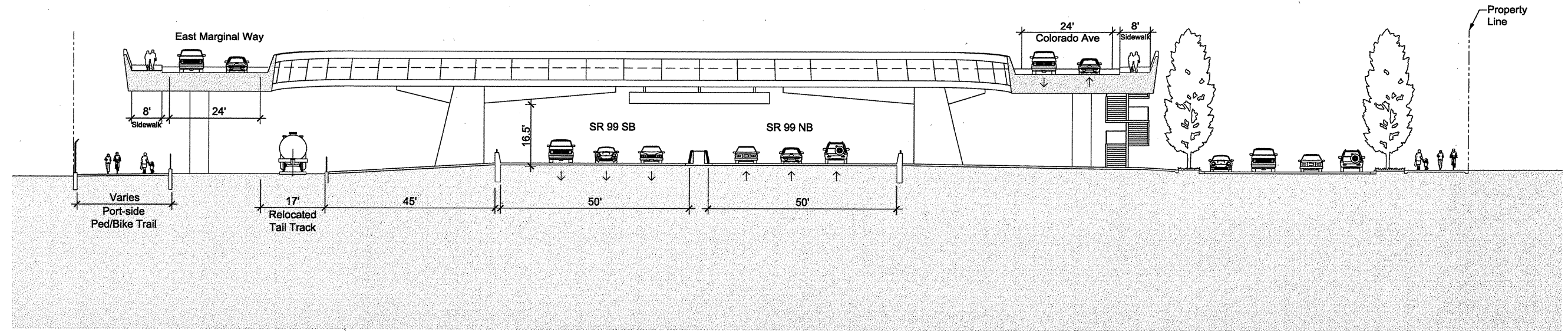


ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL
OPTION D URBAN DESIGN PLAN

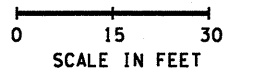
UX005
SHEET OF SHEETS



SECTION B
NOT TO SCALE



SECTION A
NOT TO SCALE



* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
Work product in aid to a deliberative process,
Not for Distribution

FILE NAME	\\frantserver2\projects_71465 AWW - WSDOT\CAD\Sheets\SECTIONS SOUTH D4 SH.dgn			
TIME	12:18:17 PM			
DATE	2/5/2010			
PLOTTED BY	Yu-Wen Huang			
DESIGNED BY	B. DRAMOV			
ENTERED BY	Y. HUANG			
CHECKED BY				
PROJ. ENGR.	S. EVERETT			
REGIONAL ADM.	R. PAANANEN			
REVISION	DATE	BY	REGION NO.	STATE
			10	WASH
			JOB NUMBER	FED. AID PROJ. NO.
			CONTRACT NO.	LOCATION NO.

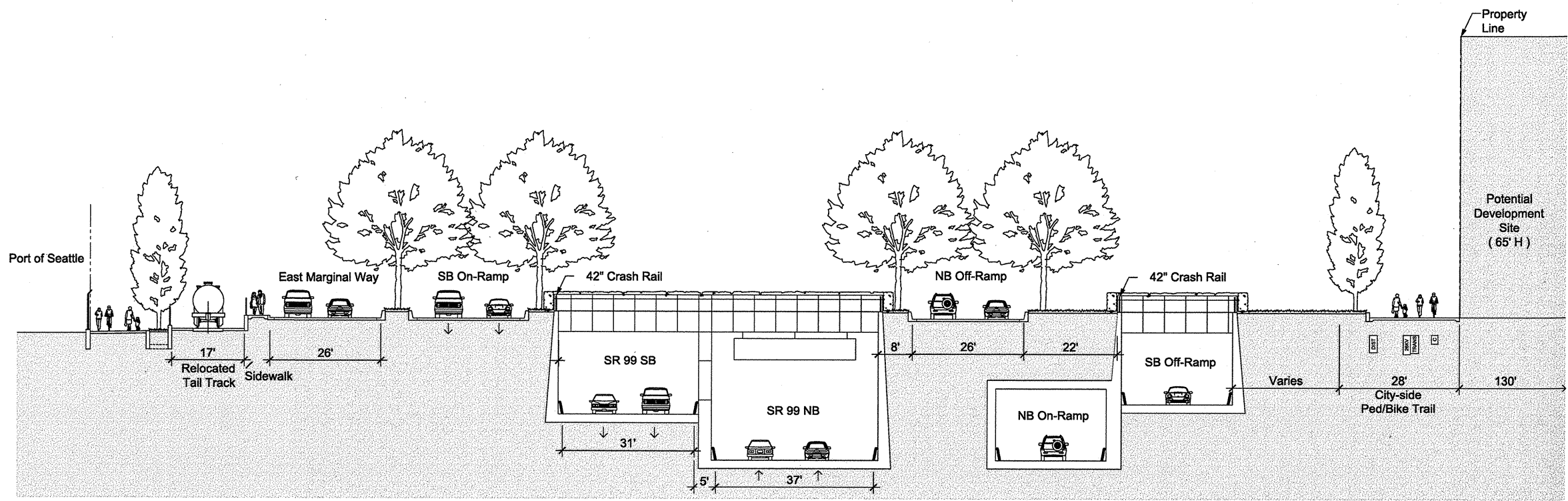
DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



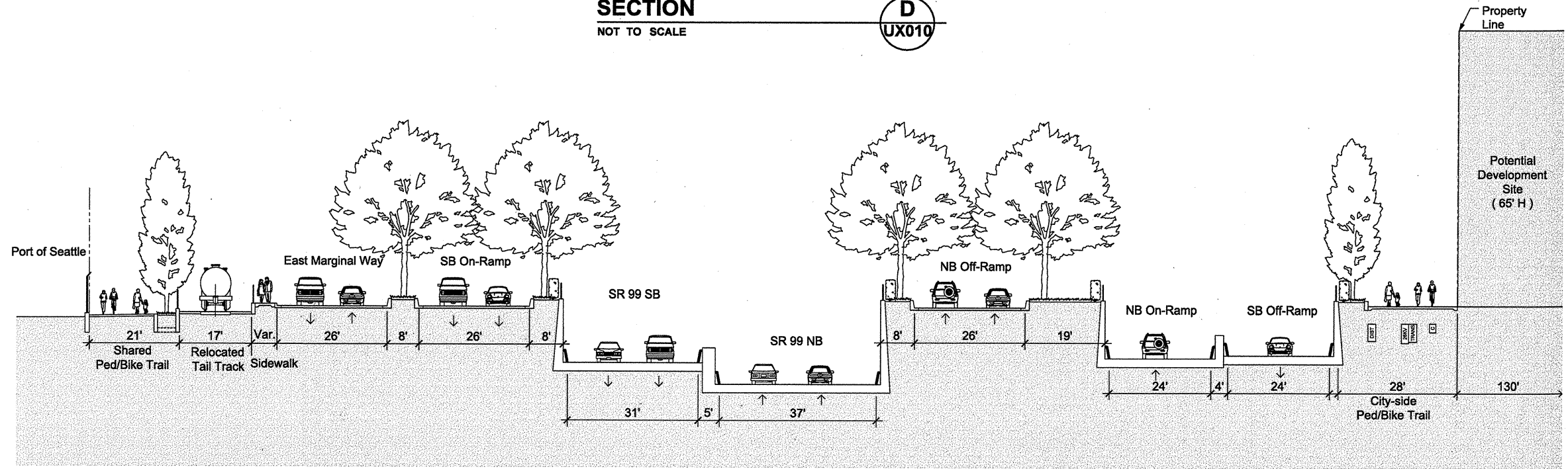
**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
OPTION D SECTIONS A AND B

UX006
SHEET
OF
SHEETS

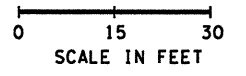
Yu-Wen Huang



SECTION D
NOT TO SCALE



SECTION C
NOT TO SCALE



* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
Work product in aid to a deliberative process,
Not for Distribution

YU-WEN HUANG

FILE NAME	\\nfrantserver2\projects_7\1465 AWW - WSDOT\CAD\Sheets\SECTIONS SOUTH D4 SH.dgn		
TIME	12:19:15 PM		
DATE	2/5/2010		
PLOTTED BY	Yu-Wen Huang		
DESIGNED BY	B. DRAMOV		
ENTERED BY	Y. HUANG		
CHECKED BY			
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	

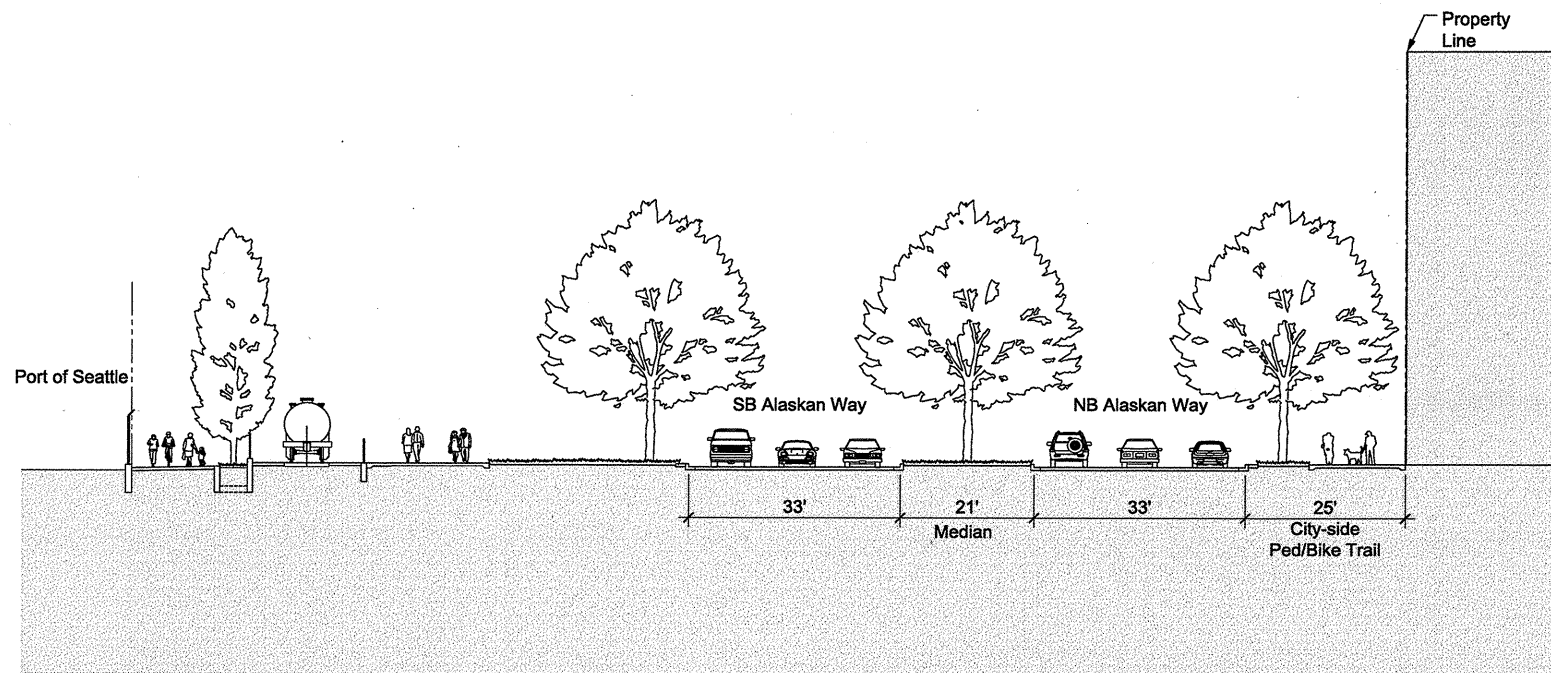
REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	
JOB NUMBER		
CONTRACT NO.	LOCATION NO.	

DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
OPTION D SECTIONS C AND D

UX007
SHEET
OF
SHEETS



SECTION
NOT TO SCALE

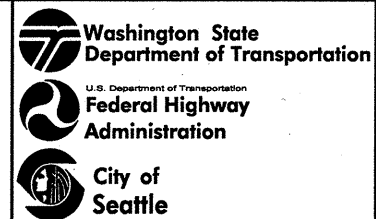
E
UX011

0 15 30
SCALE IN FEET

* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
Work product in aid to a deliberative process,
Not for Distribution

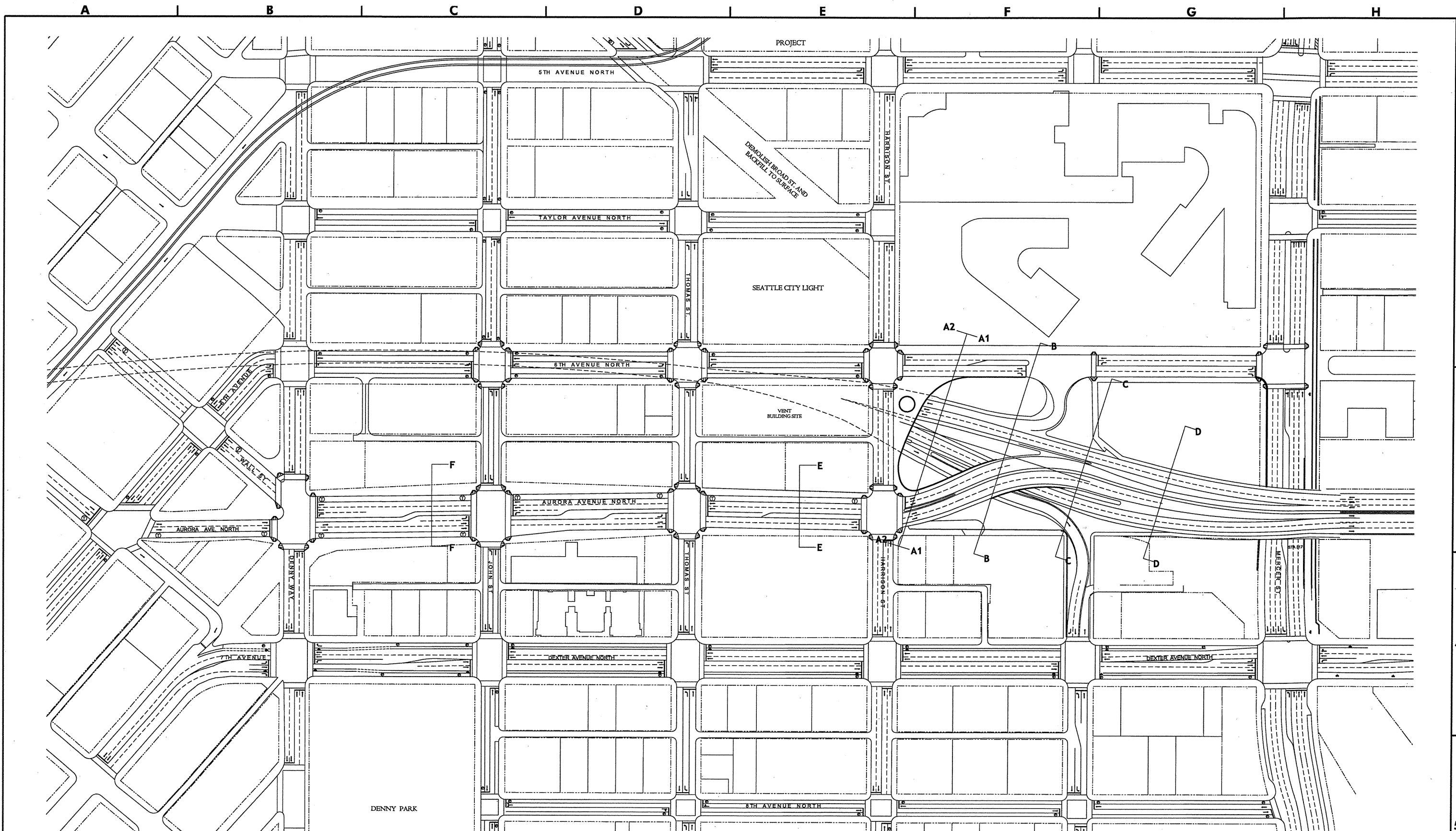
FILE NAME	\\nfrantserver2\projects_7\1465 AWW - WSDOT\CAD\Sheets\SECTIONS SOUTH D4 SH.dgn			
TIME	12:20:23 PM			
DATE	2/5/2010			
PLOTTED BY	Yu-Wen Huang			
DESIGNED BY	B. DRAMOV			
ENTERED BY	Y. HUANG			
CHECKED BY				
PROJ. ENGR.	S. EVERETT			
REGIONAL ADM.	R. PAANANEN			
REVISION	DATE	BY	REGION NO.	STATE
			10	WASH
			JOB NUMBER	FED. AID PROJ. NO.
			CONTRACT NO.	LOCATION NO.

DRAFT
CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



**ALASKAN WAY VIADUCT
REPLACEMENT PROJECT**
SR 99 BORED TUNNEL
OPTION D SECTIONS E AND F

UX008
SHEET
OF
SHEETS

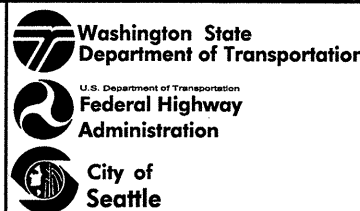


* IN SUPPORT OF THE ENVIRONMENTAL IMPACT STATEMENT *
 Work product in aid to a deliberative process,
 Not for Distribution

FILE NAME	\\frantserver2\projects_71465 AWW - WSDOT\CAD\Sheets\SECTIONS NORTH SH.dgn		
TIME	2:17:25 PM		
DATE	2/5/2010		
PLOTTED BY	Bryan Faunt		
DESIGNED BY	B. DRAMOV		
ENTERED BY	B. FAUNT		
CHECKED BY			
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	
JOB NUMBER		
CONTRACT NO.		LOCATION NO.

DRAFT
CONCEPTUAL DESIGN
 NOT FOR CONSTRUCTION



ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL
NORTH PORTAL OPTION URBAN DESIGN PLAN

UX009
 SHEET OF SHEETS

Bryan Faunt