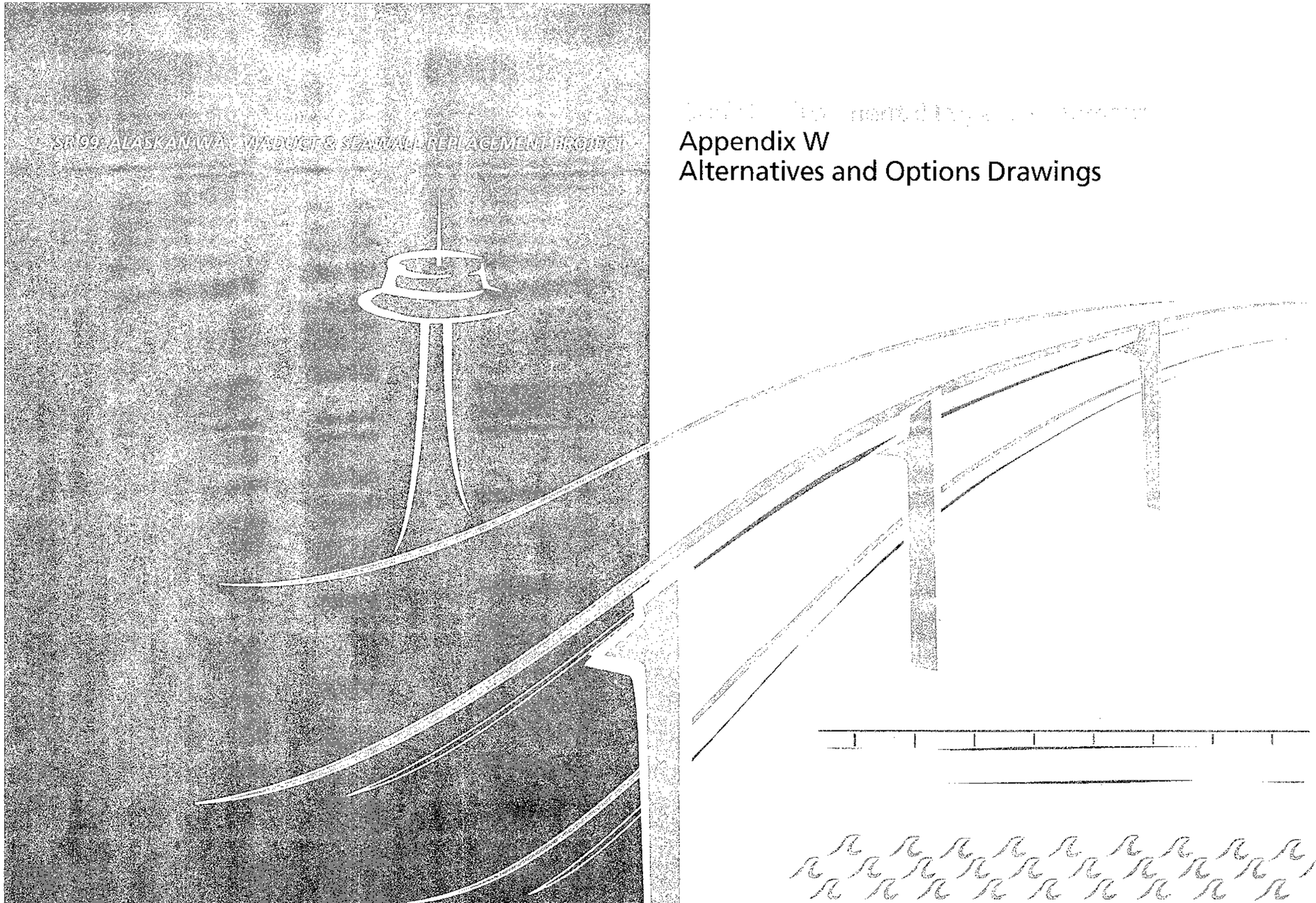
SR 99 ALASKAN WAY VIADUCT & SEATTLE REPLACEMENT PROJECT

# Appendix W
# Alternatives and Options Drawings



MARCH 2004


Submitted by:
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Prepared by:
PARSONS BRINCKERHOFF QUADE & DOUGLAS, INC.
PARAMETRIX



U.S. Department of Transportation Federal Highway Administration

Washington State Department of Transportation

City of Seattle

# Alaskan Way Viaduct
# &
# Seawall Replacement Project

## ALTERNATIVES AND OPTIONS

**In Support of the Draft Environmental Impact Statement**
**March 31st, 2004**

**REBUILD**

**AERIAL**

**TUNNEL**

**BYPASS TUNNEL**

**SURFACE**

NOTICE
The information contained in these figures represents conceptual plans prepared in support of an Enviromental Impact Statement. The information herein is subject to change and/or revision and is not intended for construction.

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| S-06 | SURFACE ALTERNATIVE S. MAIN TO UNION |
| S-07 | SURFACE ALTERNATIVE PIKE TO BATTERY STREET TUNNEL |
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## APPENDIX W - ALASKAN WAY VIADUCT AND SEAWALL REPLACEMENT
## ESTIMATED DIMENSIONS FOR EACH ALTERNATIVE

| | SOUTH | MIDTOWN | NORTH WATERFRONT | NORTH |
|---|---|---|---|---|
| **EXISTING VIADUCT** | | | | |
| MAINLINE LANE WIDTHS | 12, 13.5 | 9.3-13 | - | - |
| MAINLINE SHOULDER WIDTHS - LT, RT | 1, 1 | 1, 1 | - | - |
| RAMP LANE WIDTHS | 14.5, 18.5 | 11, 22.5 | - | - |
| RAMP SHOULDER WIDTHS - LT, RT | 2.5-7 | 1, 1 | - | |
| CITY STREET LANE WIDTHS | ? | ? | ? | 10-13 |
| TYPICAL STRUCTURE HEIGHT | 33, 55 | 33, 55 | - | - |
| TYPICAL WALL HEIGHT | 14 | 14 | - | - |
| BST LANE WIDTH | - | 12 | - | - |
| BST SHOULDER WIDTH | - | 0.5 | - | - |
| **REBUILD** | | | | |
| | SOUTH | MIDTOWN | NORTH WATERFRONT | NORTH |
| MAINLINE LANE WIDTHS | 12 | 12 | - | - |
| MAINLINE SHOULDER WIDTHS - LT, RT | 4,10 | 2-6, 14 | - | - |
| RAMP LANE WIDTHS | 15 | 10 | - | - |
| RAMP SHOULDER WIDTHS - LT, RT | 4, 8 | 2, 2 | - | - |
| CITY STREET LANE WIDTHS | 12 | | - | - |
| TYPICAL STRUCTURE HEIGHT | 33, 55 | 33, 55 | - | - |
| TYPICAL WALL HEIGHT | 14 | 14 | - | - |
| BST LANE WIDTH | - | 12 | - | - |
| BST SHOULDER WIDTH | - | 0.5 | - | - |
| **AERIAL** | | | | |
| | SOUTH | MIDTOWN | NORTH WATERFRONT | NORTH |
| MAINLINE LANE WIDTHS | 12 | 12 | - | - |
| MAINLINE SHOULDER WIDTHS - LT, RT | 10, 10 | 10, 10 | - | - |
| RAMP LANE WIDTHS | 15 | 15 | - | - |
| RAMP SHOULDER WIDTHS - LT, RT | 4, 8 | 4, 8 | - | - |
| CITY STREET LANE WIDTHS | 12 | 10-11 | 11 | 12 |
| TYPICAL STRUCTURE HEIGHT | 33.5, 62.5 | 33.5, 62.5 | - | 24 |
| TYPICAL WALL HEIGHT | 14 | 14 | - | 14 |
| BST LANE WIDTH | - | 12 | - | - |
| BST SHOULDER WIDTH | - | 0.5 | - | - |
| **TUNNEL** | | | | |
| | SOUTH | MIDTOWN | NORTH WATERFRONT | NORTH |
| MAINLINE LANE WIDTHS | 12 | 12 | - | - |
| MAINLINE SHOULDER WIDTHS - LT, RT | 4, 10 | 10, 10 | - | - |
| RAMP LANE WIDTHS | 12-15 | 12 | - | - |
| RAMP SHOULDER WIDTHS - LT, RT | 4, 8 | 4, 8 | - | - |
| CITY STREET LANE WIDTHS | 12 | 10-12 | 11 | 12 |
| TYPICAL STRUCTURE HEIGHT | 24 | - | - | 24 |
| TYPICAL WALL HEIGHT | 14 | - | - | 14 |
| BST LANE WIDTH | - | 12 | - | - |
| BST SHOULDER WIDTH | - | 0.5 | - | - |
| **BYPASS** | | | | |
| | SOUTH | MIDTOWN | NORTH WATERFRONT | NORTH |
| MAINLINE LANE WIDTHS | 12 | 12 | - | - |
| MAINLINE SHOULDER WIDTHS - LT, RT | 4, 10 | 2, 8 | - | - |
| RAMP LANE WIDTHS | 15 | - | - | - |
| RAMP SHOULDER WIDTHS - LT, RT | 4, 8 | - | - | - |
| CITY STREET LANE WIDTHS | 12 | 10-11 | 11 | 12 |
| TYPICAL STRUCTURE HEIGHT | 24 | - | - | 24 |
| TYPICAL WALL HEIGHT | 14 | - | - | 14 |
| BST LANE WIDTH | - | 12 | - | - |
| BST SHOULDER WIDTH | - | 0.5 | - | - |
| **SURFACE** | | | | |
| | SOUTH | MIDTOWN | NORTH WATERFRONT | NORTH |
| MAINLINE LANE WIDTHS | 12 | 11-Oct | - | - |
| MAINLINE SHOULDER WIDTHS - LT, RT | 4, 10 | - | - | - |
| RAMP LANE WIDTHS | 15 | - | - | - |
| RAMP SHOULDER WIDTHS - LT, RT | 4, 8 | - | - | - |
| CITY STREET LANE WIDTHS | 12 | 10-11 | 11 | 12 |
| TYPICAL STRUCTURE HEIGHT | - | - | - | 24 |
| TYPICAL WALL HEIGHT | - | - | - | 14 |
| BST LANE WIDTH | - | 12 | - | - |
| BST SHOULDER WIDTH | - | 0.5 | - | - |

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SEATTLE, WA

CONCEPTUAL DESIGN - NOT FOR CONSTRUCTION

INDEX OF FIGURES

FIGURE NO
G-04

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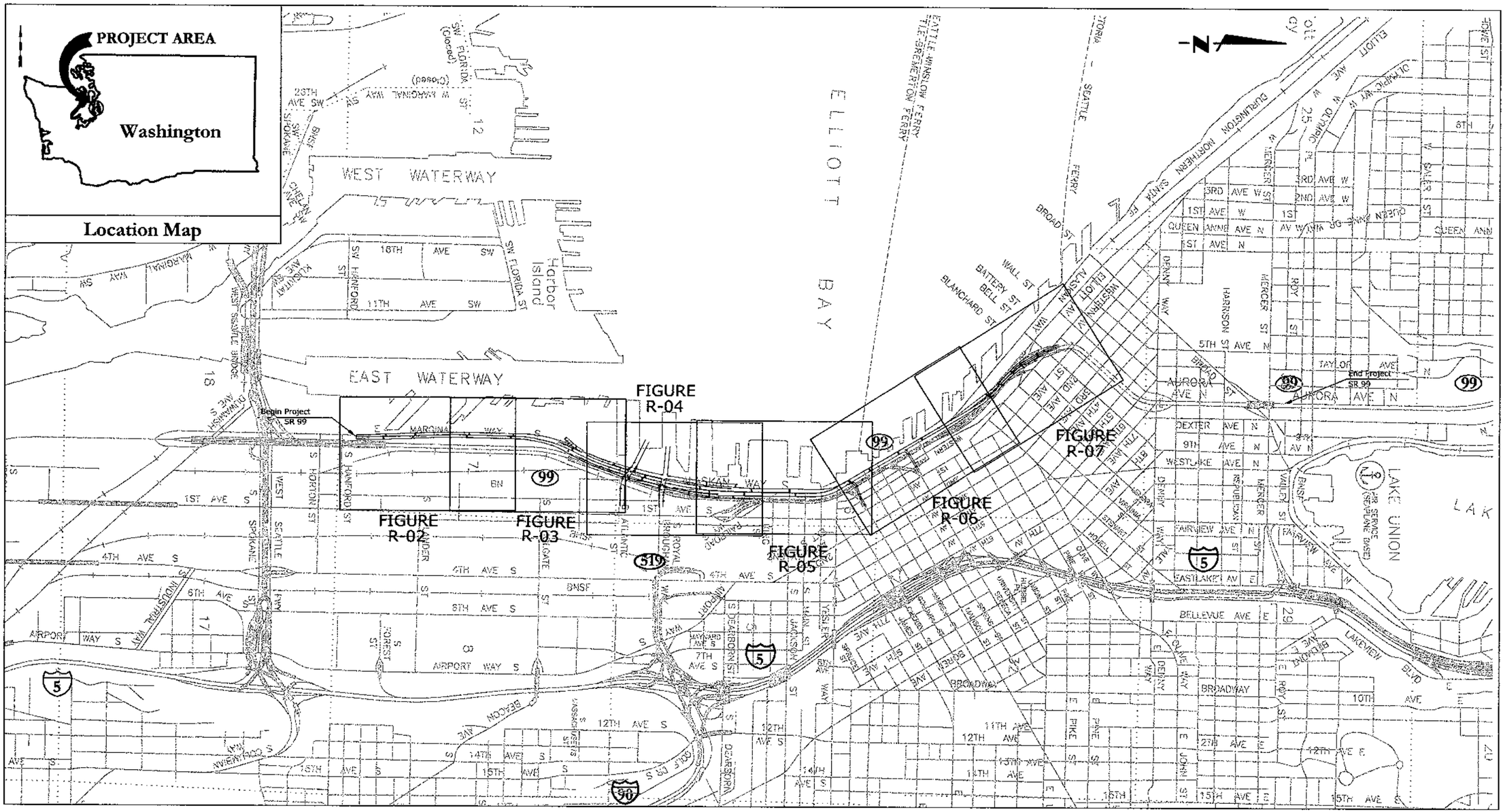
# Alaskan Way Viaduct & Seawall Replacement Project




## Rebuild Alternative Vicinity Map

**Not To Scale**

0 100 200
SCALE IN FEET

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REBUILD ALTERNATIVE VICINITY MAP

FIGURE NO
R-01

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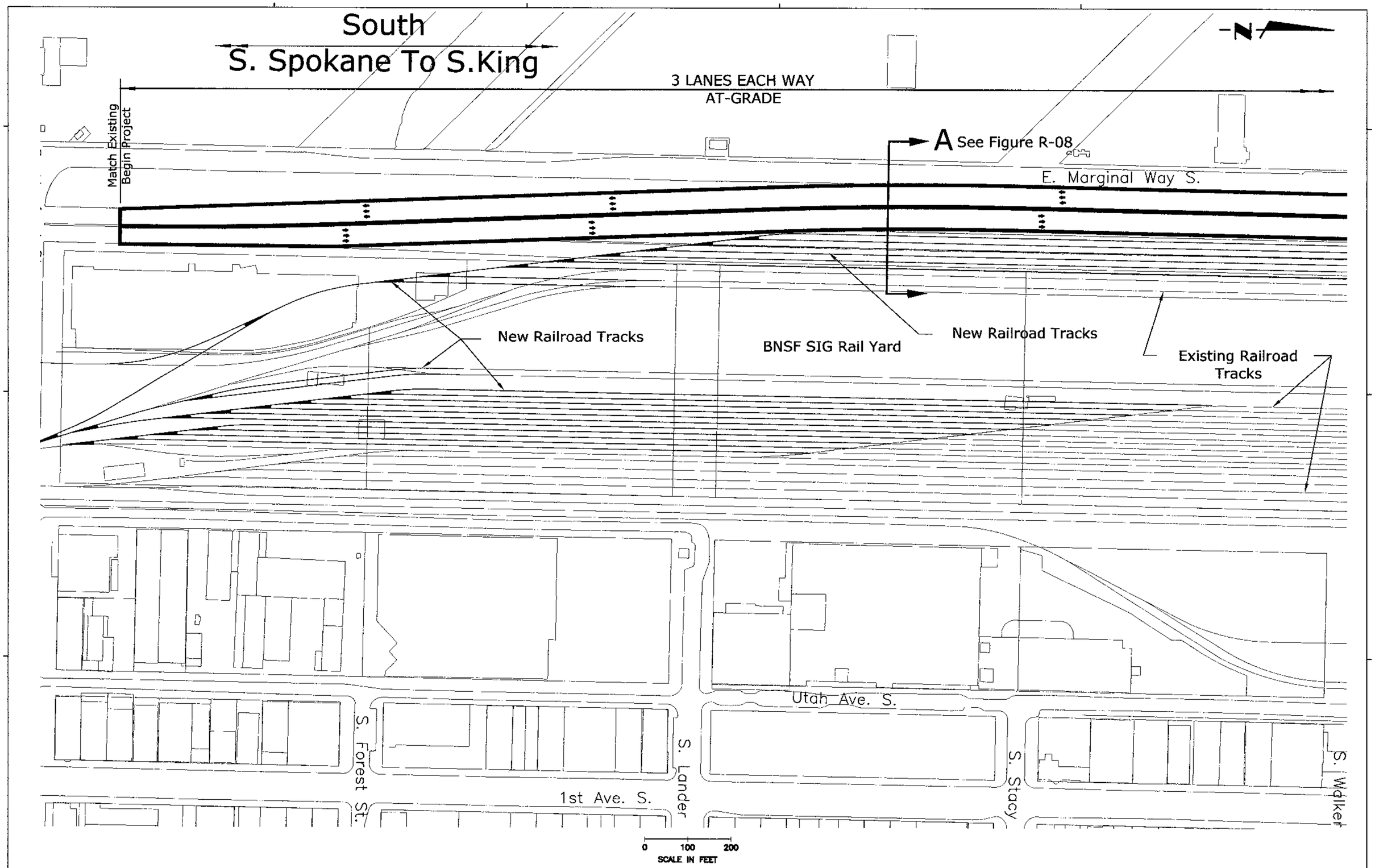


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ALASKAN WAY VIADUCT & SEAWALL REPLACEMENT PROJECT
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CONCEPTUAL DESIGN - NOT FOR CONSTRUCTION

REBUILD ALTERNATIVE
S. HANFORD TO S.STACY

FIGURE NO
R-02

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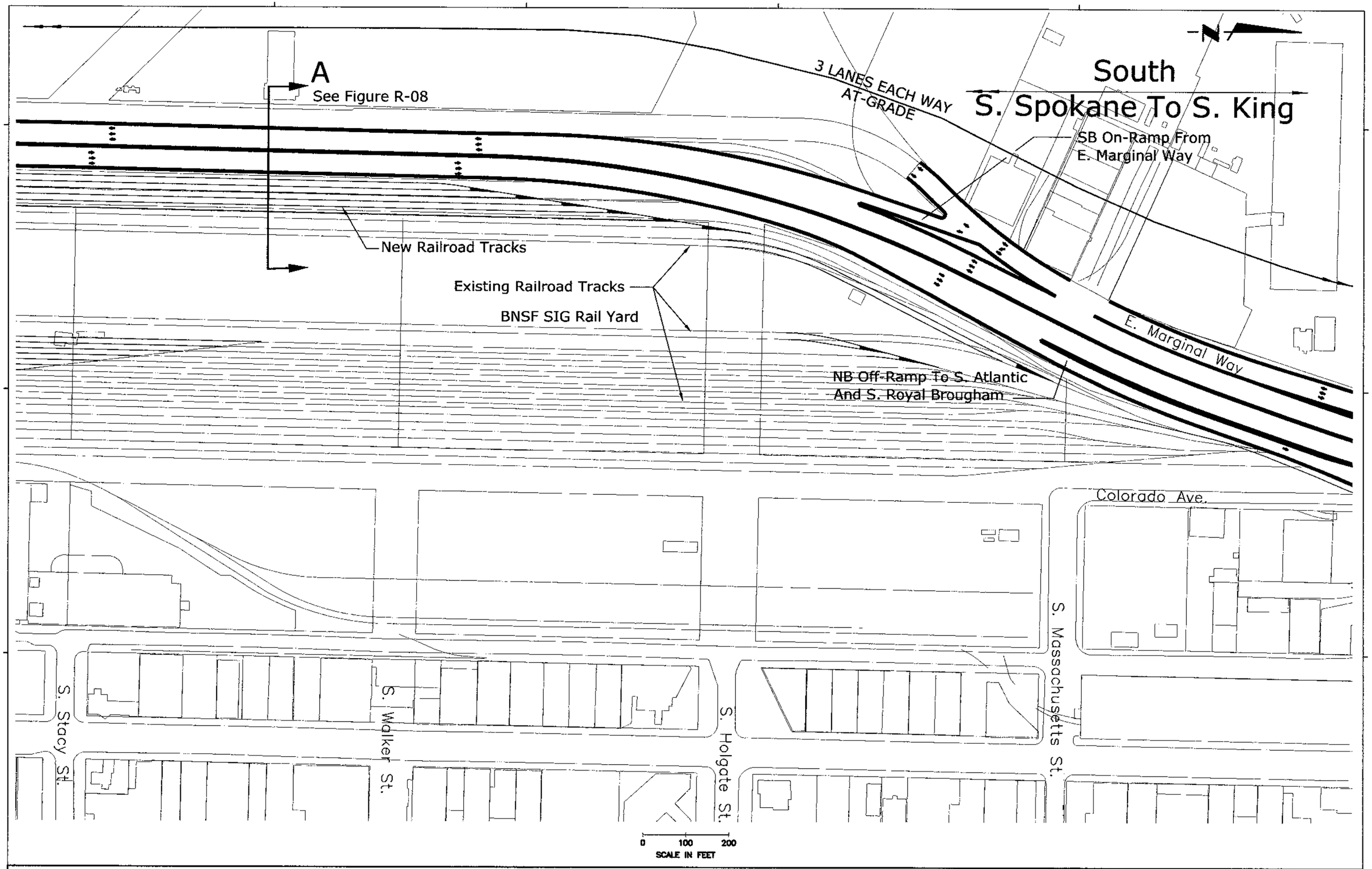


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REBUILD ALTERNATIVE
S. STACY TO S. MASSACHUSETTES

FIGURE NO
R-03

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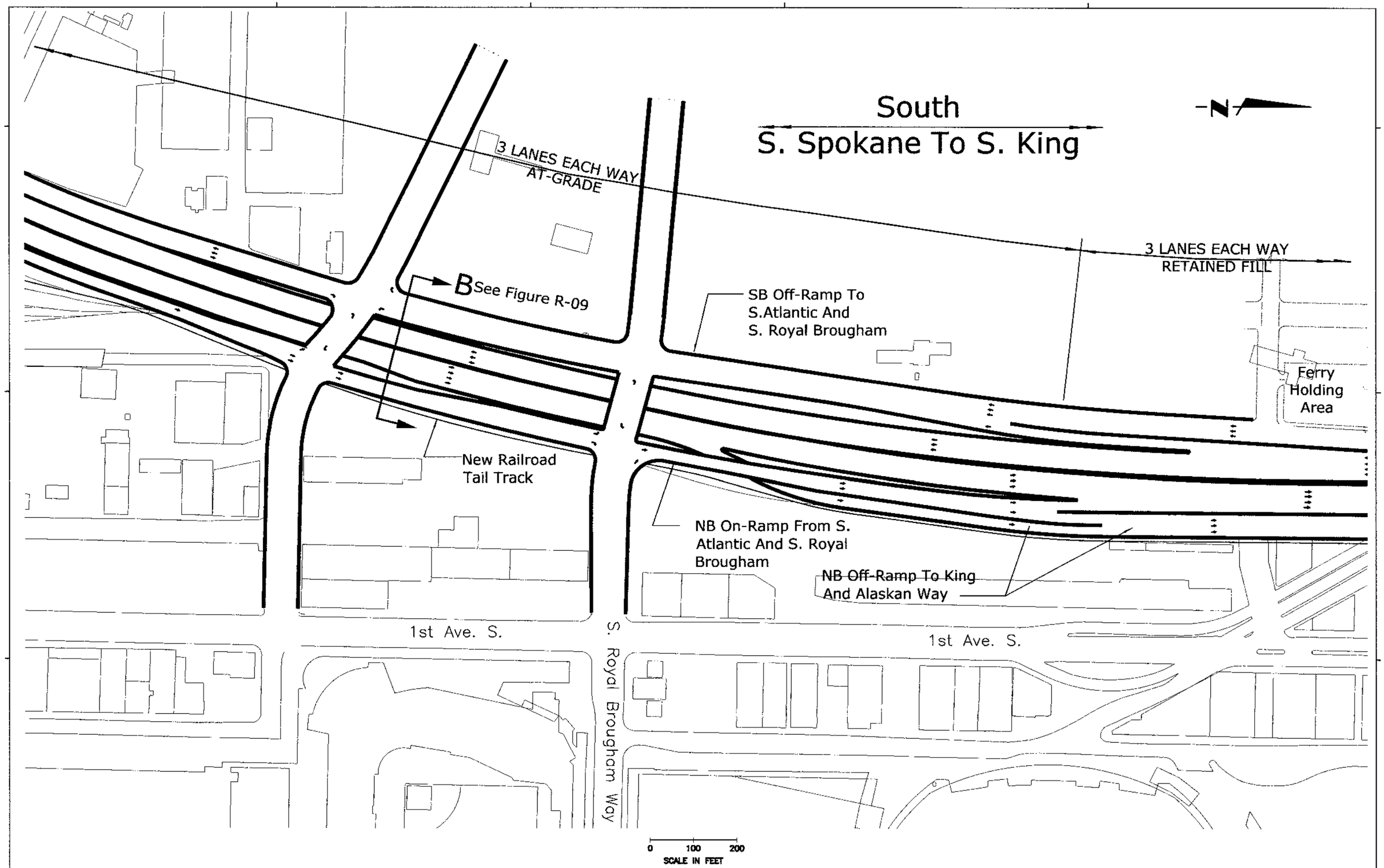


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ALASKAN WAY VIADUCT & SEAWALL REPLACEMENT PROJECT
SEATTLE, WA

CONCEPTUAL DESIGN - NOT FOR CONSTRUCTION

REBUILD ALTERNATIVE
S. MASSACHUSETTES TO RAILROAD WAY S.

FIGURE NO
R-04

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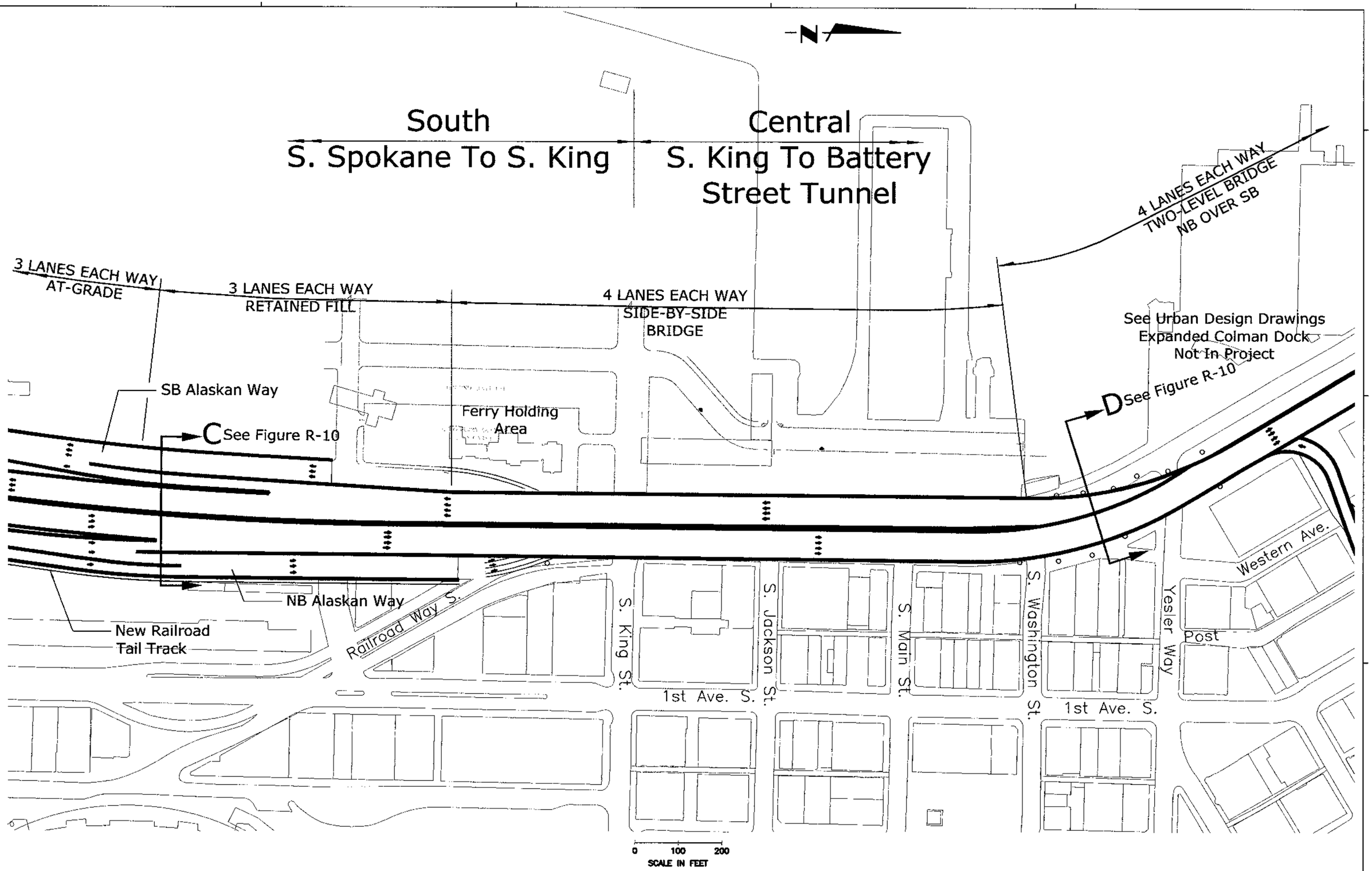


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REBUILD ALTERNATIVE
RAILROAD WAY TO YESLER

FIGURE NO
R-05

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# Central
## S. King To Battery Street Tunnel

4 LANES EACH WAY
TWO-LEVEL BRIDGE
NB OVER SB

4 LANES NB, 3LANES SB
TWO-LEVEL BRIDGE
NB OVER SB

3 LANES EACH WAY
TWO-LEVEL BRIDGE
NB OVER SB

E See Figure R-11

Yesler Way
Marion St.
Madison St.
Spring St.
University St.
Union St.
Pike St.
Western Ave.
Post
SB On-Ramp from Columbia
NB Off-Ramp to Seneca
1st Ave.
Columbia St.

0 100 200
SCALE IN FEET

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REBUILD ALTERNATIVE
YESLER TO PIKE

FIGURE NO
R-06

PLOTTING DATE : 020304 13:

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# Central
# S. King To Battery Street Tunnel

3 LANES EACH WAY TWO-LEVEL BRIDGE

3 LANES EACH WAY SIDE-BY-SIDE BRIDGE

2 LANES EACH WAY SIDE-BY-SIDE BRIDGE

F See Figure R-12

G See Figure R-12

SB On-Ramp from Elliott

NB Off-Ramp to Western

2 LANES EACH WAY EXISTING ROADWAY

2 LANES EACH WAY EXISTING BATTERY STREET TUNNEL

Pike St.

Stewart St.

Virginia St.

Lenora St.

Blanchard St.

Bell St.

Battery St.

Wall St.

Elliott Ave.

Western Ave.

1st Ave.

2nd Ave.

0 100 200
SCALE IN FEET

U.S. Department of Transportation
Federal Highway Administration

Washington State Department of Transportation

City of Seattle

ALASKAN WAY VIADUCT & SEAWALL REPLACEMENT PROJECT
SEATTLE, WA

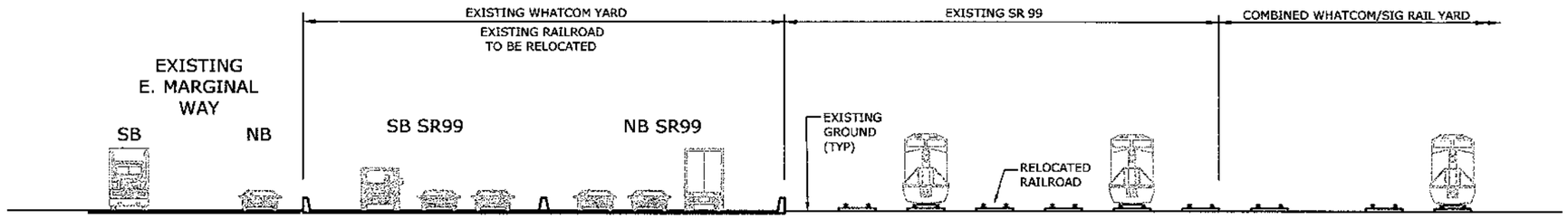
CONCEPTUAL DESIGN - NOT FOR CONSTRUCTION

REBUILD ALTERNATIVE
PIKE TO BATTERY STREET TUNNEL

FIGURE NO
R-07

PLOTTING DATE : 020304 13:

FILENAME: U:\CADD\25314S2_ACAD\SHT\DEIS_FIGS\R\R-07.DWG




CROSS-SECTION A FROM FIGURE R-02 & R-03

GRAPHIC SCALE

0 15 30 45 60 90

SCALE IN FEET

U.S. Department of Transportation
Federal Highway Administration

Washington State Department of Transportation

City of Seattle

ALASKAN WAY VIADUCT & SEAWALL REPLACEMENT PROJECT
SEATTLE, WA

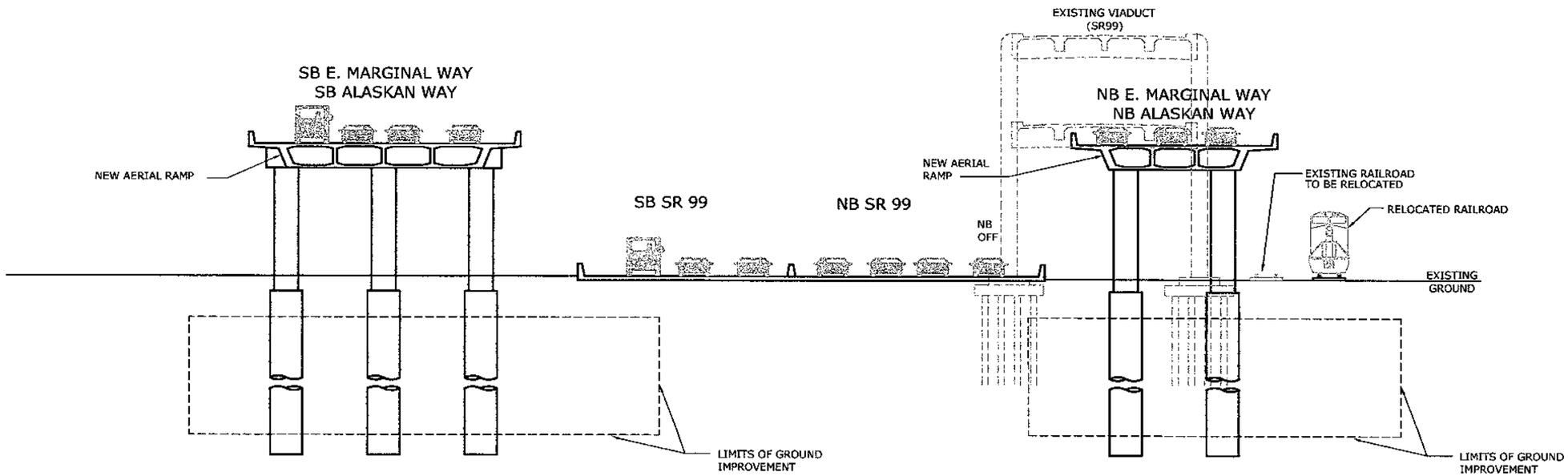
CONCEPTUAL DESIGN - NOT FOR CONSTRUCTION

REBUILD ALTERNATIVE
CROSS-SECTIONS, FROM FIGURE R-02 & R-03

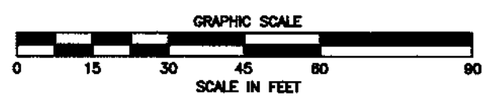
FIGURE NO
R-08

PLOTTING DATE : 020304 13:16

FILENAME: U:\CADD\25314S2_ACAD\SHT\DEIS_FIGS\R\R-08.DWG




CROSS-SECTION B FROM FIGURE R-04




PLOTTING DATE : 020304 13:19

U.S. Department of Transportation
Federal Highway Administration

Washington State
Department of Transportation

City of Seattle

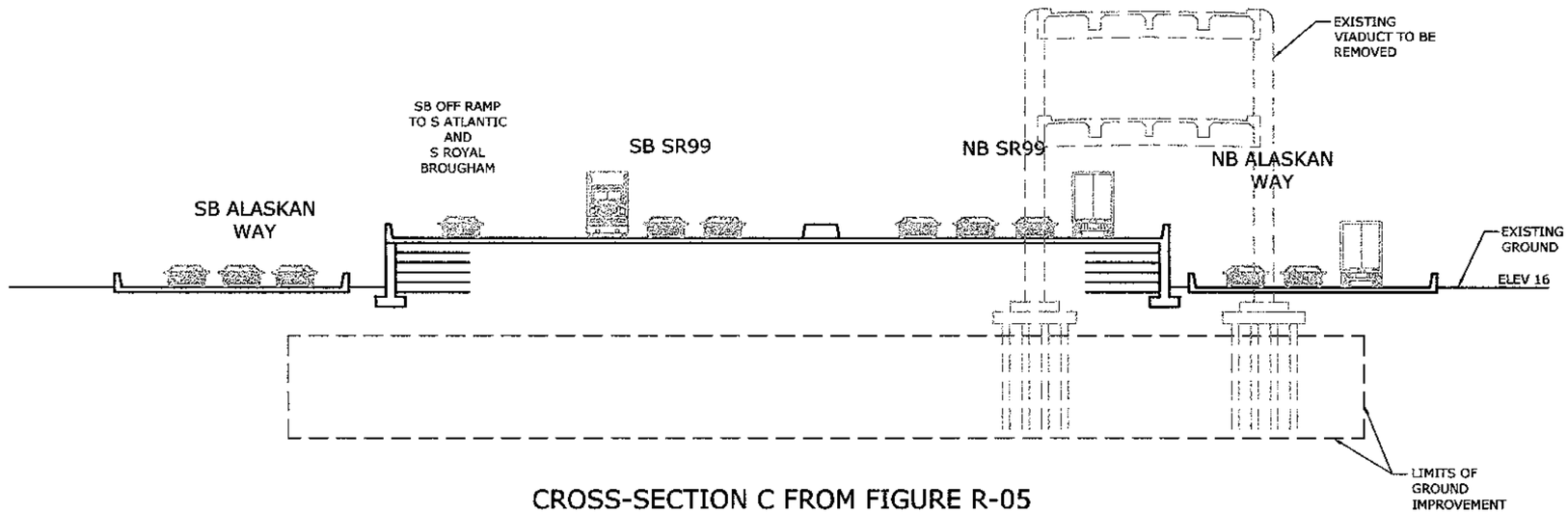
ALASKAN WAY VIADUCT & SEAWALL REPLACEMENT PROJECT
SEATTLE, WA

CONCEPTUAL DESIGN - NOT FOR CONSTRUCTION

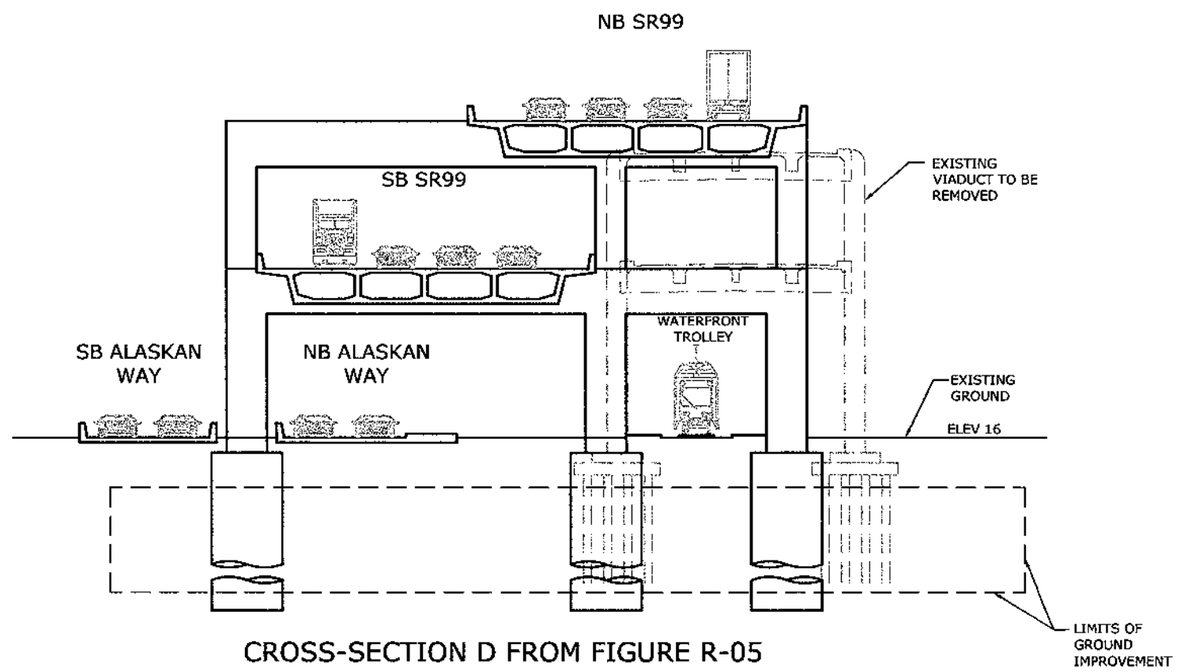
REBUILD ALTERNATIVE
CROSS-SECTIONS, FROM FIGURE R-04

FIGURE NO
R-09

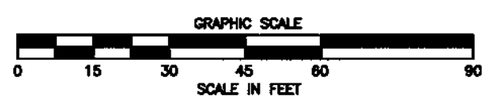
FILENAME: U:\CADD\25314S2_ACAD\SHT\DEIS_FIGS\R\R-09.DWG




CROSS-SECTION C FROM FIGURE R-05




CROSS-SECTION D FROM FIGURE R-05

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ALASKAN WAY VIADUCT & SEAWALL REPLACEMENT PROJECT
SEATTLE, WA

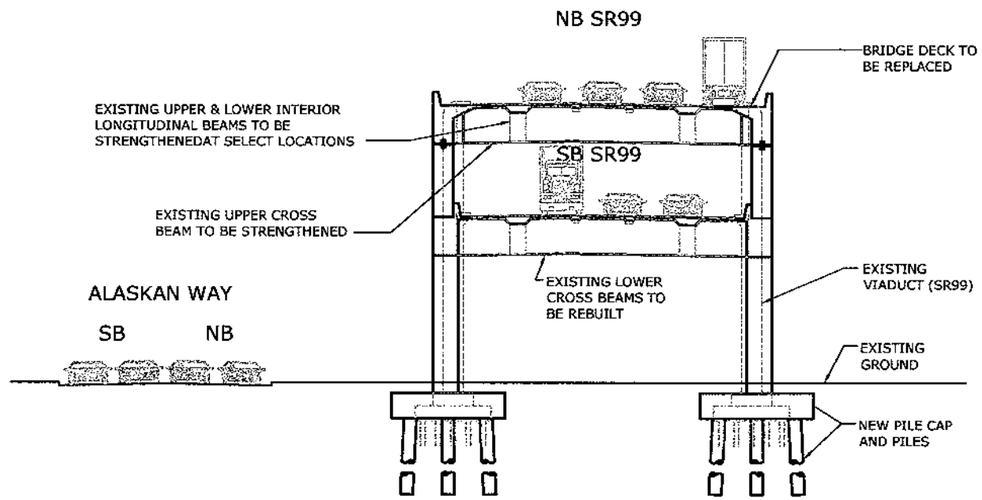
CONCEPTUAL DESIGN - NOT FOR CONSTRUCTION

REBUILD ALTERNATIVE
CROSS SECTIONS, FROM FIGURE R-05

FIGURE NO
R-10

PLOTTING DATE : 020304 13:

FILENAME: U:\CADD\25314S2_ACAD\SHT\DEIS_FIGS\R\R-10.DWG




CROSS-SECTION E FROM FIGURE R-06

GRAPHIC SCALE

0 15 30 45 60 90

SCALE IN FEET

U.S. Department of Transportation
Federal Highway Administration

Washington State Department of Transportation

City of Seattle

ALASKAN WAY VIADUCT & SEAWALL REPLACEMENT PROJECT
SEATTLE, WA

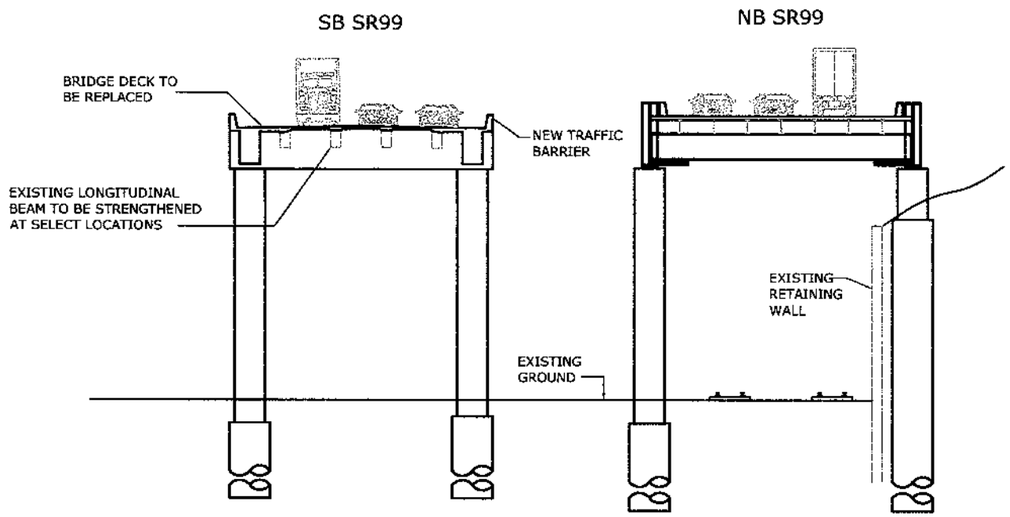
CONCEPTUAL DESIGN - NOT FOR CONSTRUCTION

REBUILD ALTERNATIVE
CROSS SECTIONS, FROM FIGURE R-06

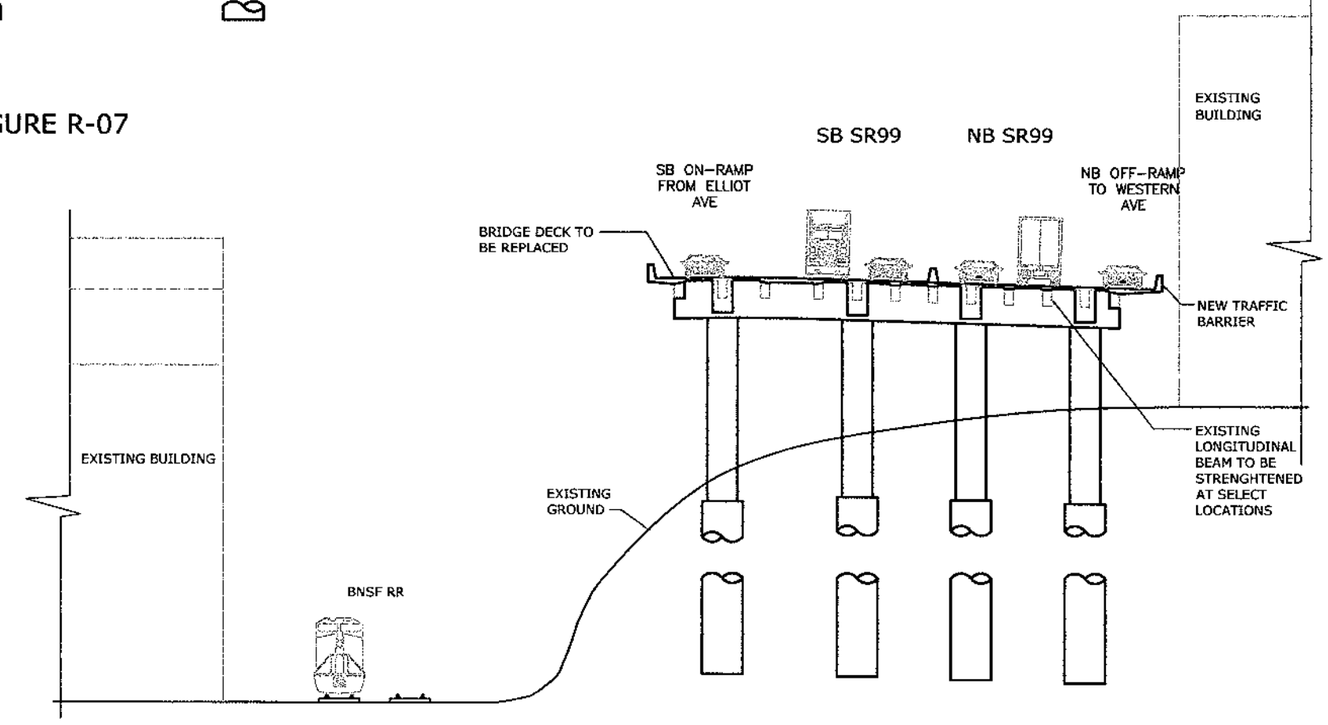
FIGURE NO
R-11

PLOTTING DATE : 020304 13:20

FILENAME: U:\CADD\2531452_ACAD\SHT\DEIS_FIGS\R\R-11.DWG




CROSS-SECTION F FROM FIGURE R-07




CROSS-SECTION G FROM FIGURE R-07

GRAPHIC SCALE

0 15 30 45 60 90

SCALE IN FEET

PLOTTING DATE : 020304 13:20

U.S. Department of Transportation
Federal Highway Administration

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City of Seattle

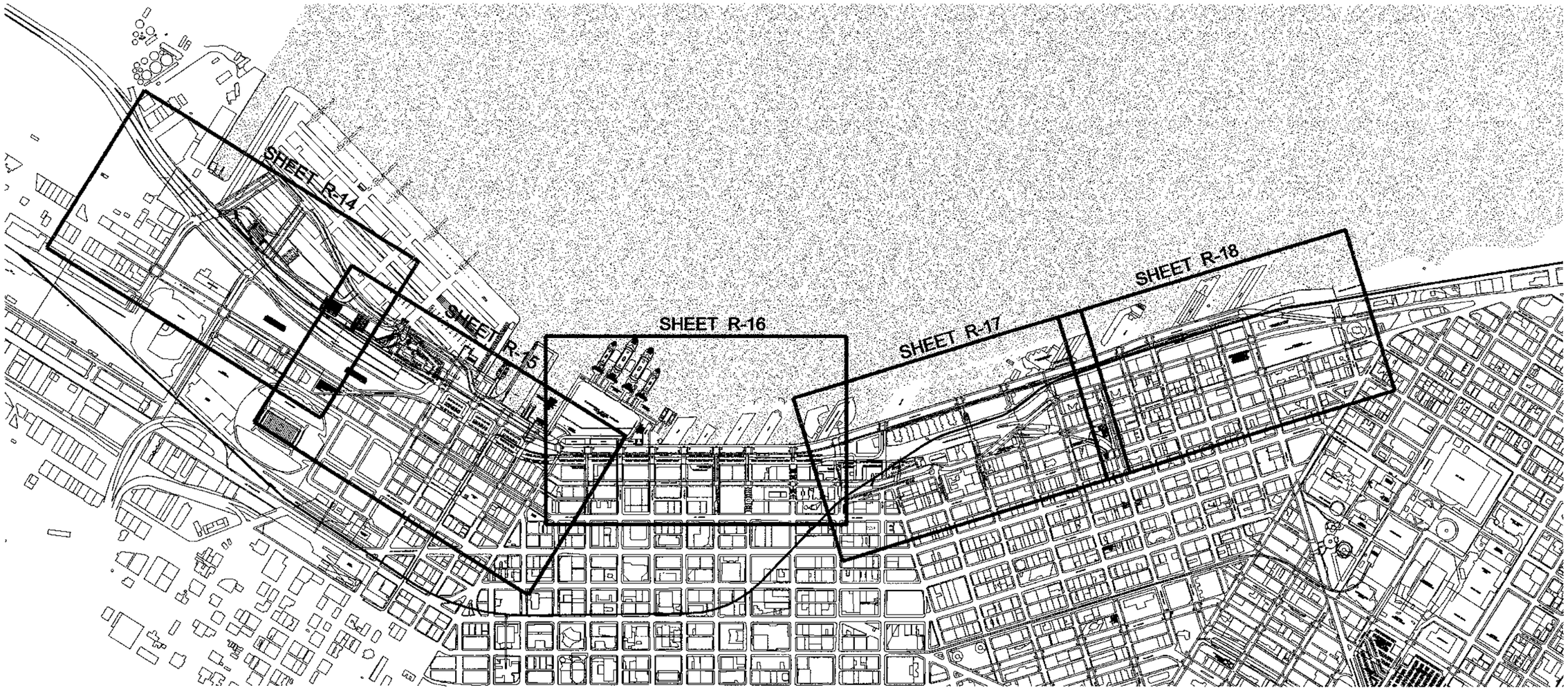
ALASKAN WAY VIADUCT & SEAWALL REPLACEMENT PROJECT
SEATTLE, WA

CONCEPTUAL DESIGN - NOT FOR CONSTRUCTION

REBUILD ALTERNATIVE
CROSS SECTIONS, FROM FIGURE R-07

FIGURE NO
R-12

FILENAME: U:\CADD\25314S2_ACAD\SHT\DEIS_FIGS\R\R-12.DWG




NOTE:
STRUCTURES AND STREET CHANNELIZATION SHOWN BEYOND THE PROJECT BOUNDARY ARE ONLY FOR THE PURPOSE OF ESTABLISHING THE CONTEXT FOR IMPROVEMENTS WITHIN THE PROJECT AREA

0 100 200
SCALE IN FEET

NOTE:
ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED.

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City of Seattle

ALASKAN WAY VIADUCT & SEAWALL REPLACEMENT PROJECT
SEATTLE, WA

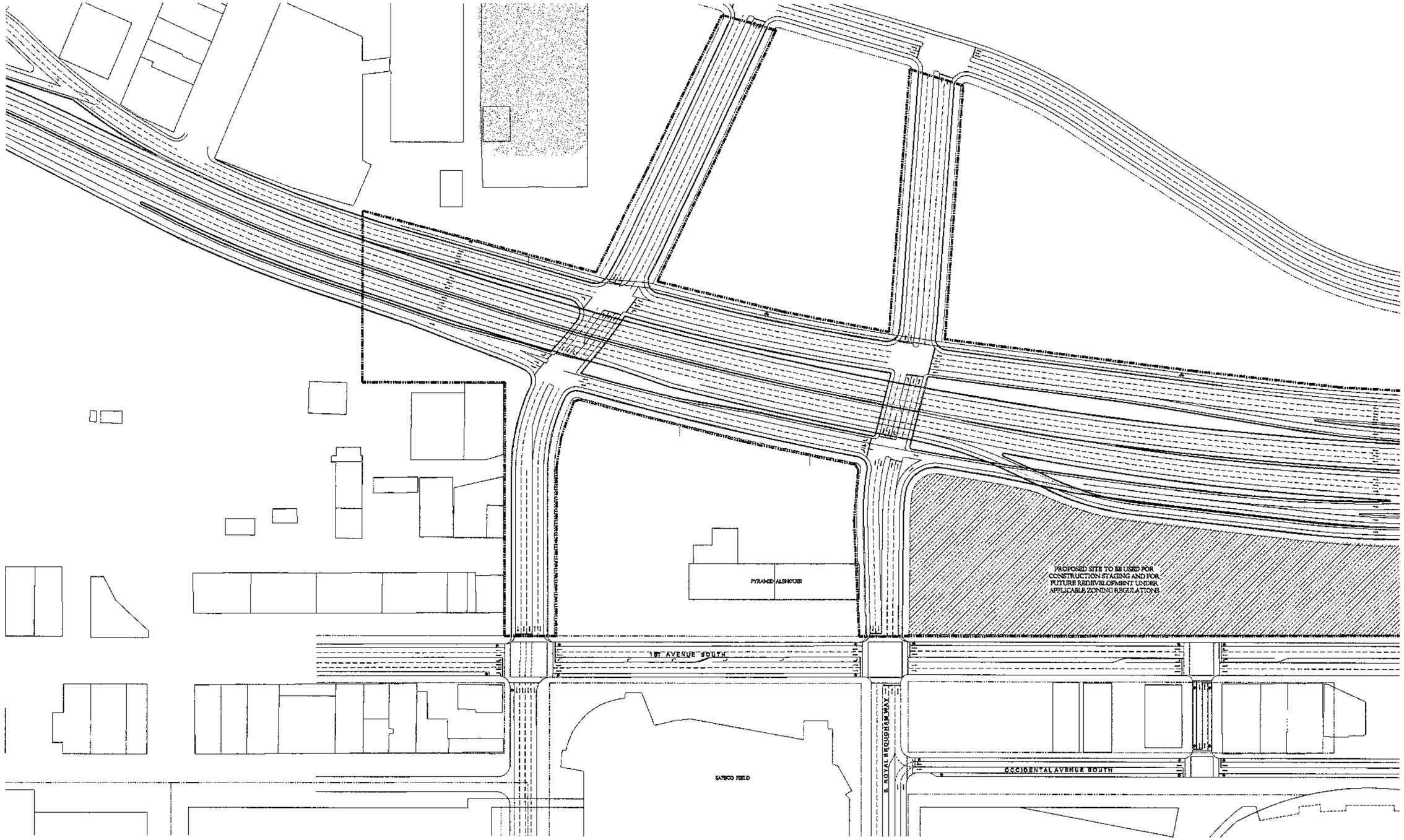
CONCEPTUAL DESIGN - NOT FOR CONSTRUCTION

REBUILD ALTERNATIVE
KEY PLAN

SHEET FIGURE NO.
R-13

PLOTTING DATE : 030204

FILENAME: :\\ROMA DESIGN GROUP\G4\PROJECTS\1273 SEATTLE AWV\ACAD\SHEETS\REBUILD\RB-KEYPLAN.DWG




NOTE:
STRUCTURES AND STREET CHANNELIZATION SHOWN BEYOND THE PROJECT BOUNDARY ARE ONLY FOR THE PURPOSE OF ESTABLISHING THE CONTEXT FOR IMPROVEMENTS WITHIN THE PROJECT AREA

0 100 200
SCALE IN FEET

NOTE:
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PLOTTING DATE : 030204

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ALASKAN WAY VIADUCT & SEAWALL REPLACEMENT PROJECT
SEATTLE, WA

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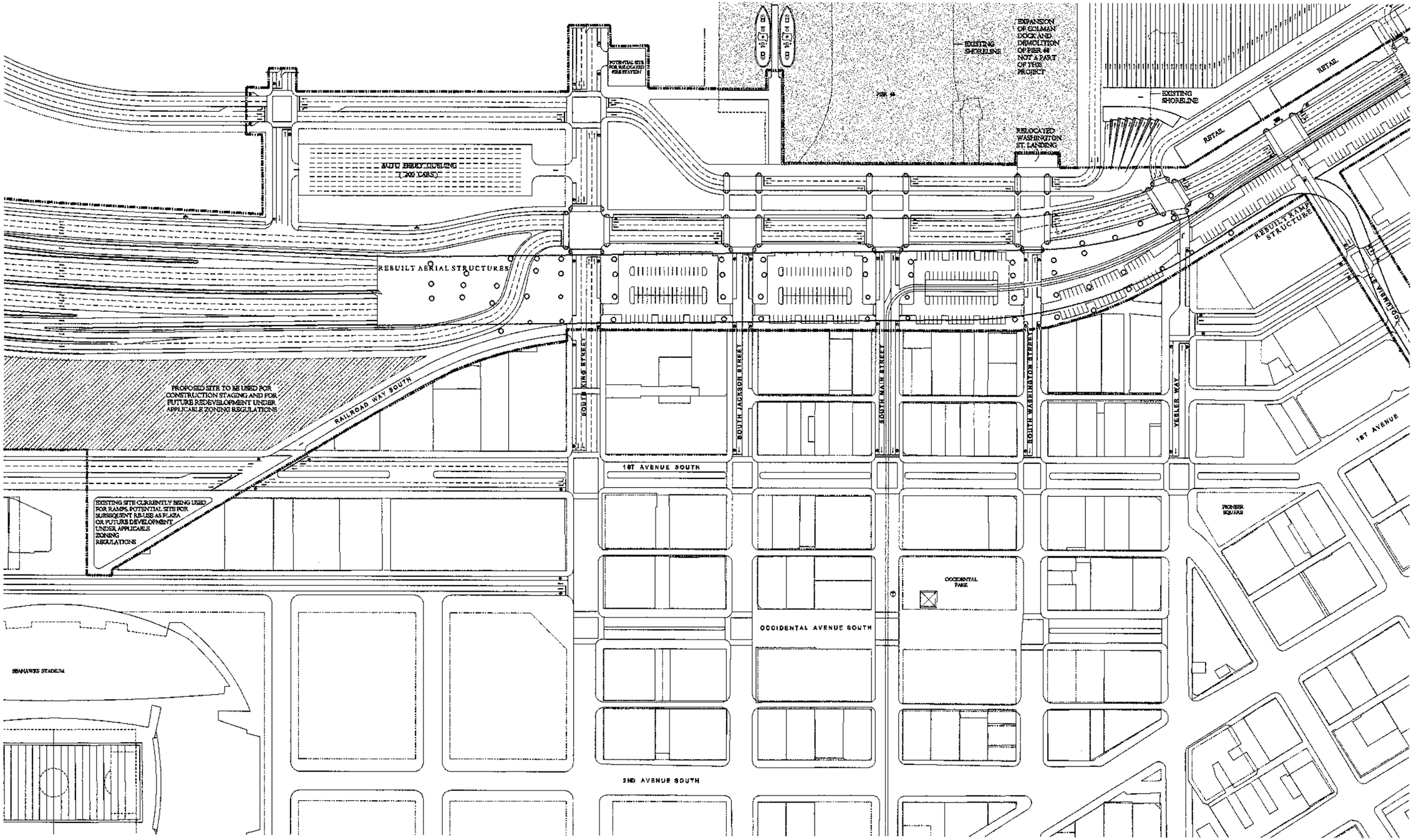
# REBUILD ALTERNATIVE
## S. ATLANTIC TO RAILROAD WAY SOUTH

SHEET FIGURE NO
R-14

FILENAME: :\\ROMA DESIGN GROUP\G4\PROJECTS\1273 SEATTLE AWV\ACAD\SHEETS\REBUILD\RB-SOUTH.DWG




NOTE:
STRUCTURES AND STREET CHANNELIZATION SHOWN BEYOND THE PROJECT BOUNDARY ARE ONLY FOR THE PURPOSE OF ESTABLISHING THE CONTEXT FOR IMPROVEMENTS WITHIN THE PROJECT AREA

0 100 200
SCALE IN FEET

NOTE:
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PLOTTING DATE : 030204

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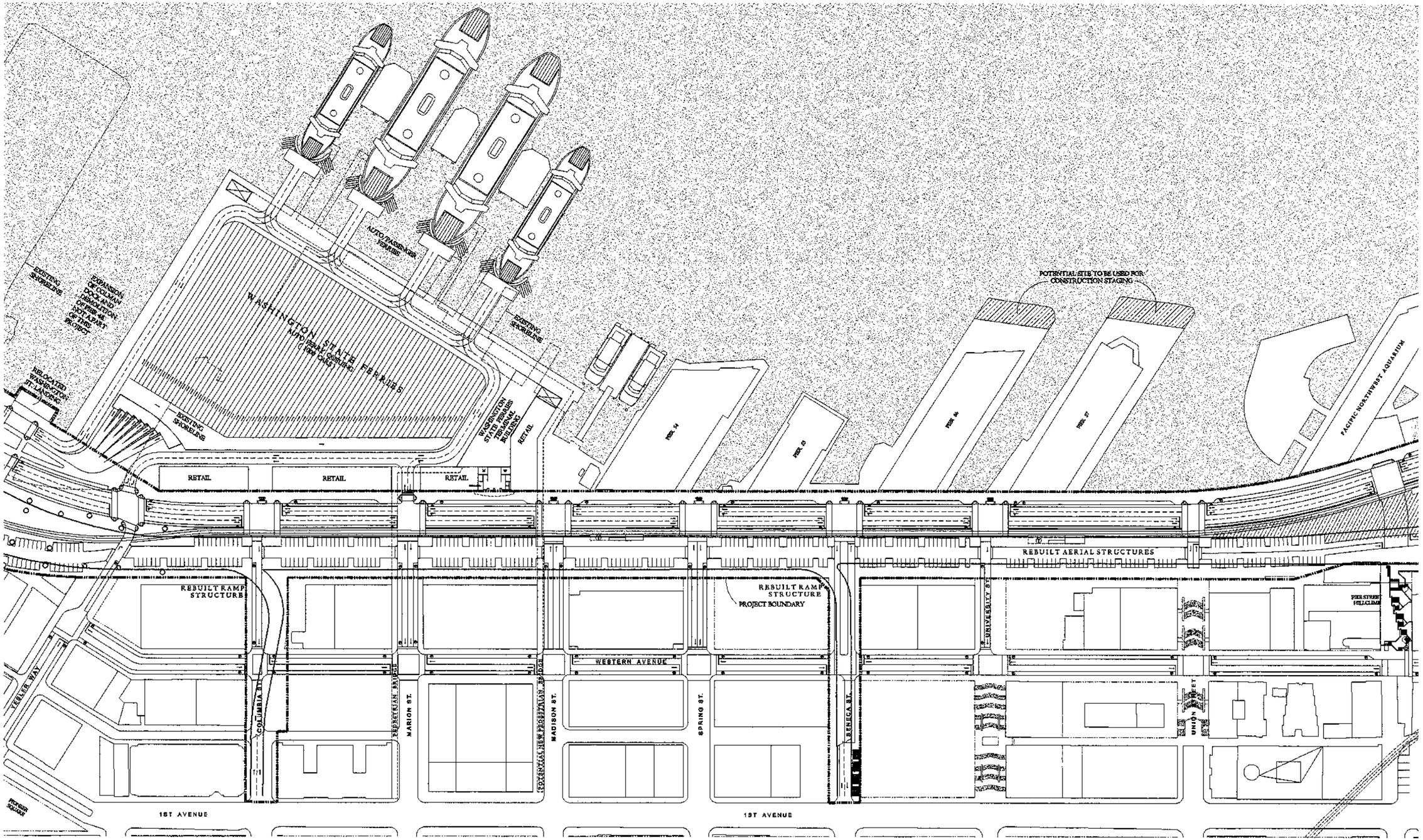
ALASKAN WAY VIADUCT & SEAWALL REPLACEMENT PROJECT
SEATTLE, WA

CONCEPTUAL DESIGN - NOT FOR CONSTRUCTION

# REBUILD ALTERNATIVE
# RAILROAD WAY SOUTH TO YESLER

SHEET FIGURE NO
R-15

FILENAME: :\\ROMA DESIGN GROUP\S4\PROJECTS\1273 SEATTLE AWV\ACAD\SHEETS\REBUILD\RB-SOUTH.DWG




PLOTTING DATE : 030204

0 100 200
SCALE IN FEET

NOTE:
STRUCTURES AND STREET CHANNELIZATION SHOWN BEYOND THE PROJECT BOUNDARY ARE ONLY FOR THE PURPOSE OF ESTABLISHING THE CONTEXT FOR IMPROVEMENTS WITHIN THE PROJECT AREA

NOTE:
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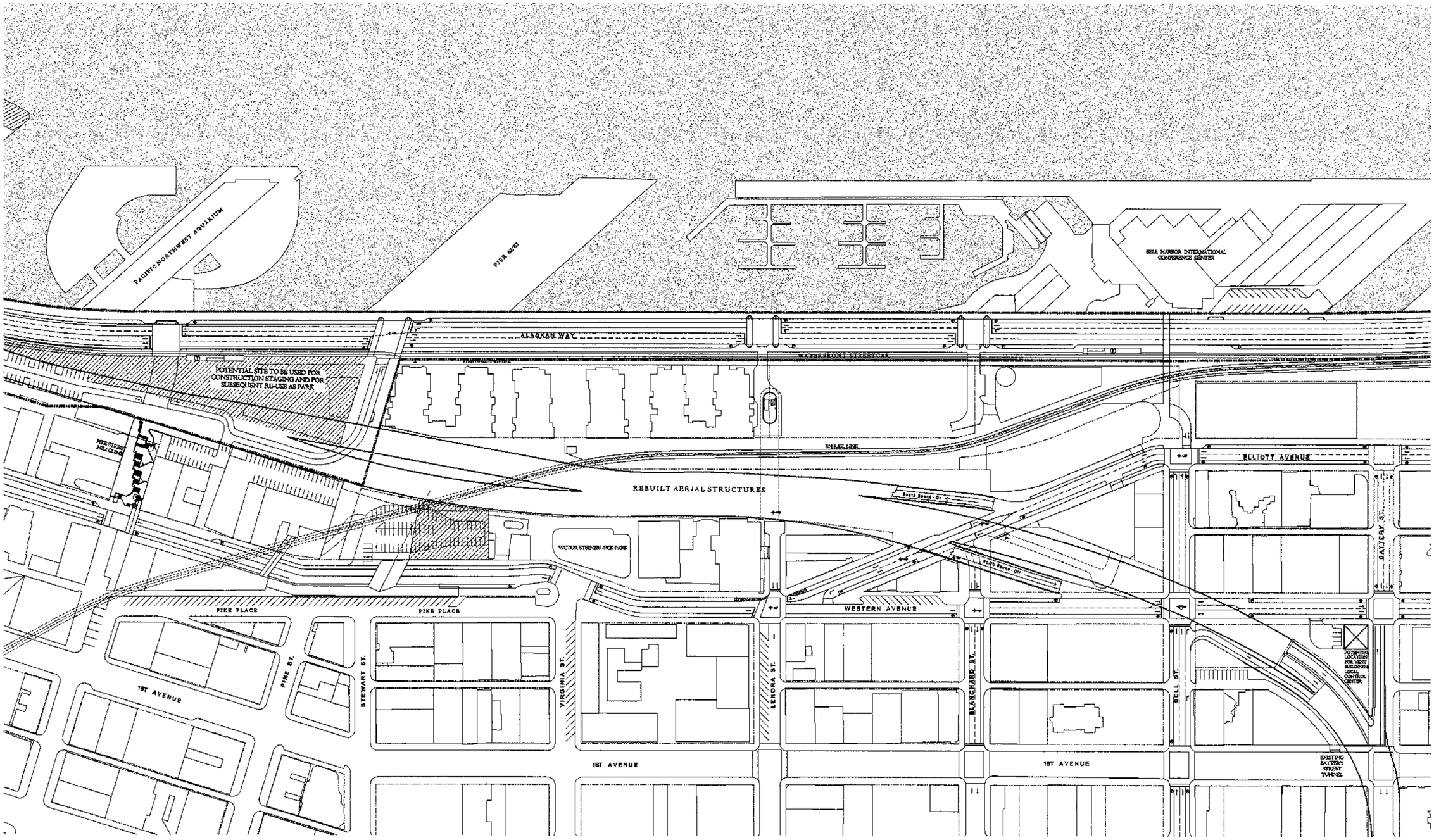
ALASKAN WAY VIADUCT & SEAWALL REPLACEMENT PROJECT
SEATTLE, WA

CONCEPTUAL DESIGN - NOT FOR CONSTRUCTION

REBUILD ALTERNATIVE
YESLER TO PIKE

SHEET FIGURE NO
R-16

FILENAME: :\\ROMA DESIGN GROUP\G4\PROJECTS\1273 SEATTLE AWV\ACAD\SHEETS\REBUILD\RB.DWG




NOTE:
STRUCTURES AND STREET CHANNELIZATION SHOWN BEYOND THE PROJECT BOUNDARY ARE ONLY FOR THE PURPOSE OF ESTABLISHING THE CONTEXT FOR IMPROVEMENTS WITHIN THE PROJECT AREA

0 100 200
SCALE IN FEET

NOTE:
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PLOTTING DATE : 030204

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Washington State Department of Transportation

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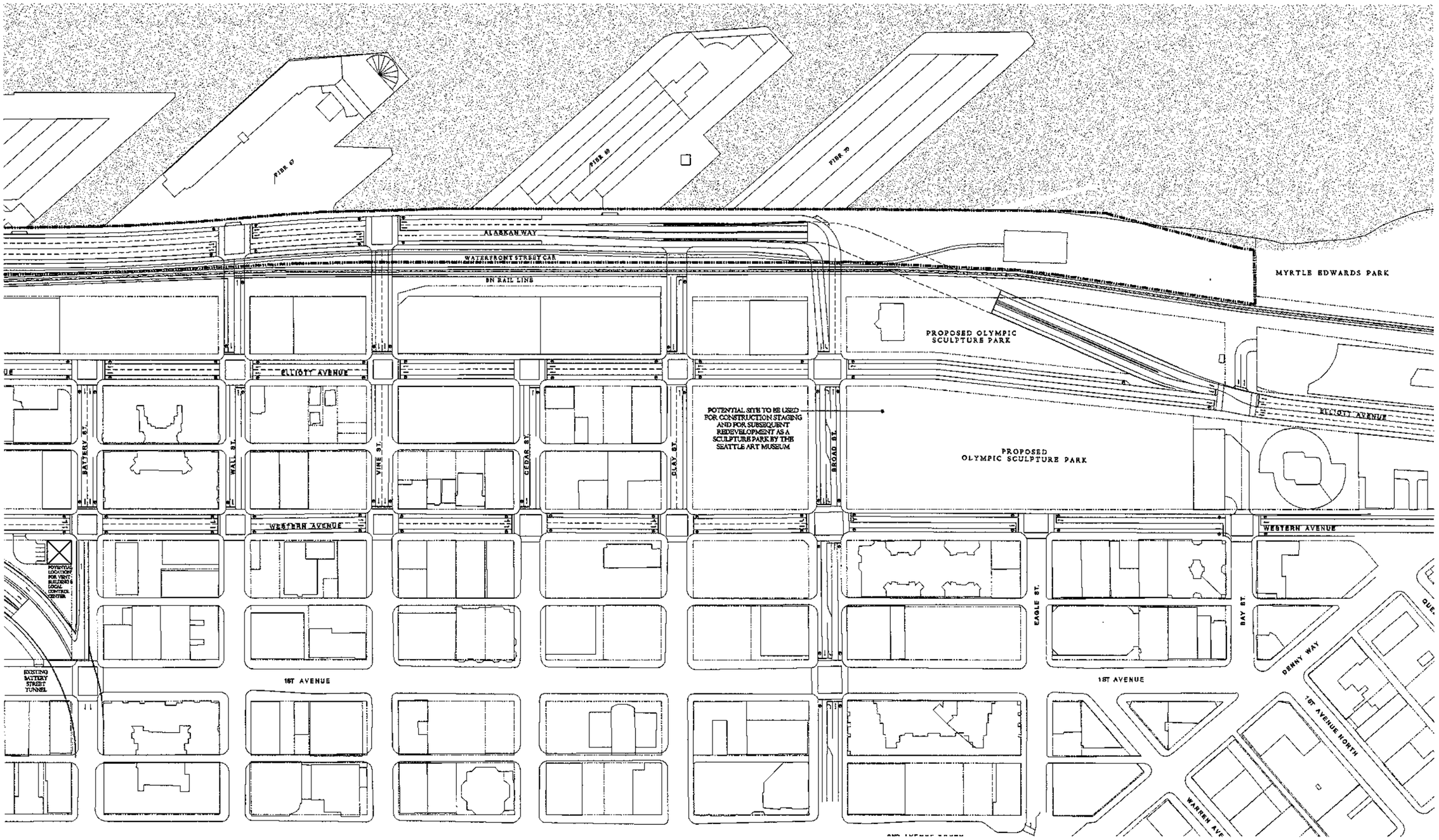
ALASKAN WAY VIADUCT & SEAWALL REPLACEMENT PROJECT
SEATTLE, WA

CONCEPTUAL DESIGN - NOT FOR CONSTRUCTION

# REBUILD ALTERNATIVE
# PIKE TO BATTERY

SHEET FIGURE NO
R-17

FILENAME: :\\ROMA DESIGN GROUP\G4\PROJECTS\1273 SEATTLE AWV\ACAD\SHEETS\REBUILD\RB.DWG




NOTE:
STRUCTURES AND STREET CHANNELIZATION SHOWN BEYOND THE PROJECT BOUNDARY ARE ONLY FOR THE PURPOSE OF ESTABLISHING THE CONTEXT FOR IMPROVEMENTS WITHIN THE PROJECT AREA

0 100 200
SCALE IN FEET

NOTE:
ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED.

PLOTTING DATE : 030204

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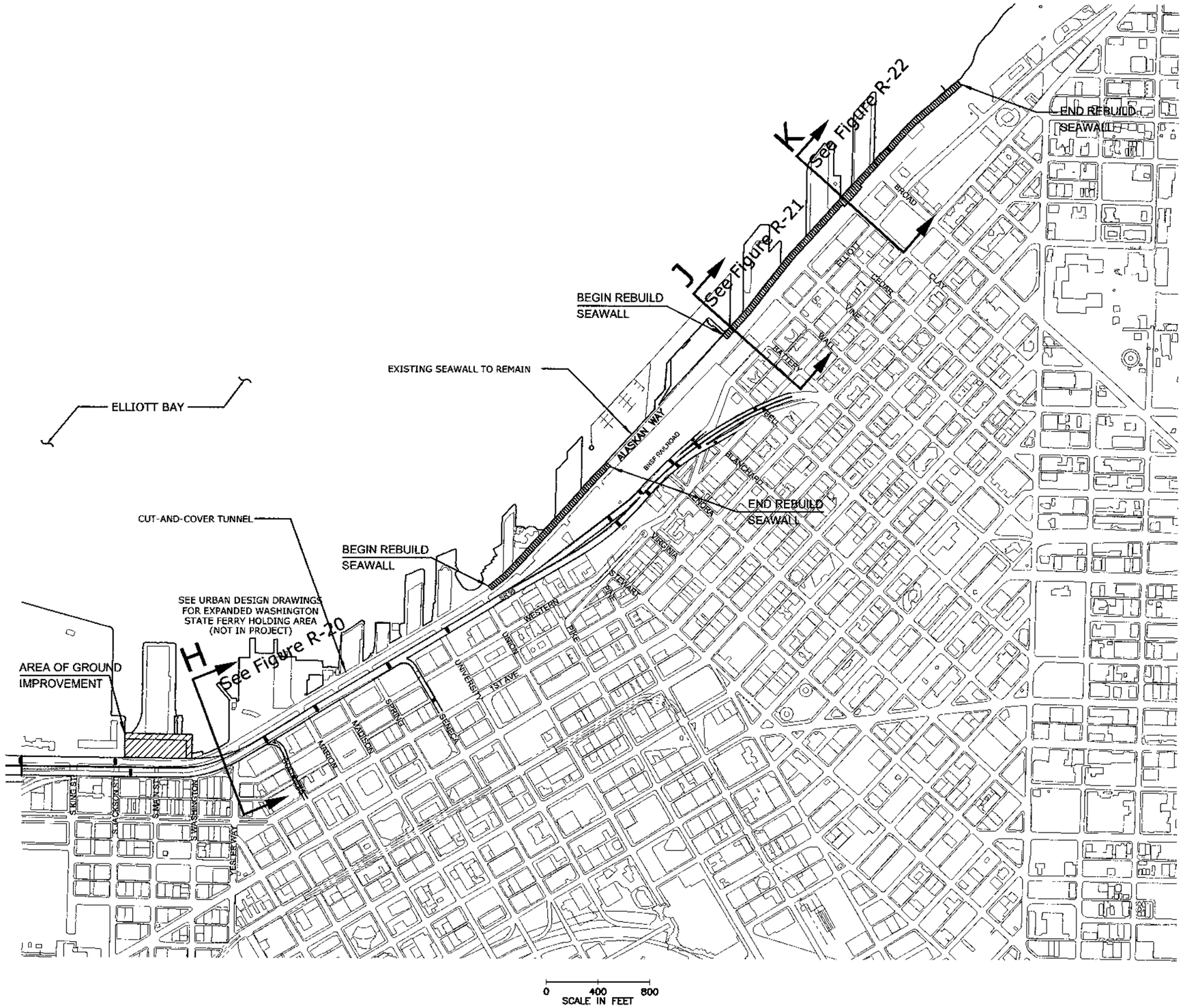
ALASKAN WAY VIADUCT & SEAWALL REPLACEMENT PROJECT
SEATTLE, WA

CONCEPTUAL DESIGN - NOT FOR CONSTRUCTION

# REBUILD ALTERNATIVE
# BATTERY TO SCULPTURE PARK

SHEET FIGURE NO
R-18

FILENAME: :\\ROMA DESIGN GROUP\G4\PROJECTS\1273 SEATTLE AWV\ACAD\SHEETS\REBUILD\R8.DWG

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**Federal Highway Administration**

Washington State Department of Transportation

City of Seattle

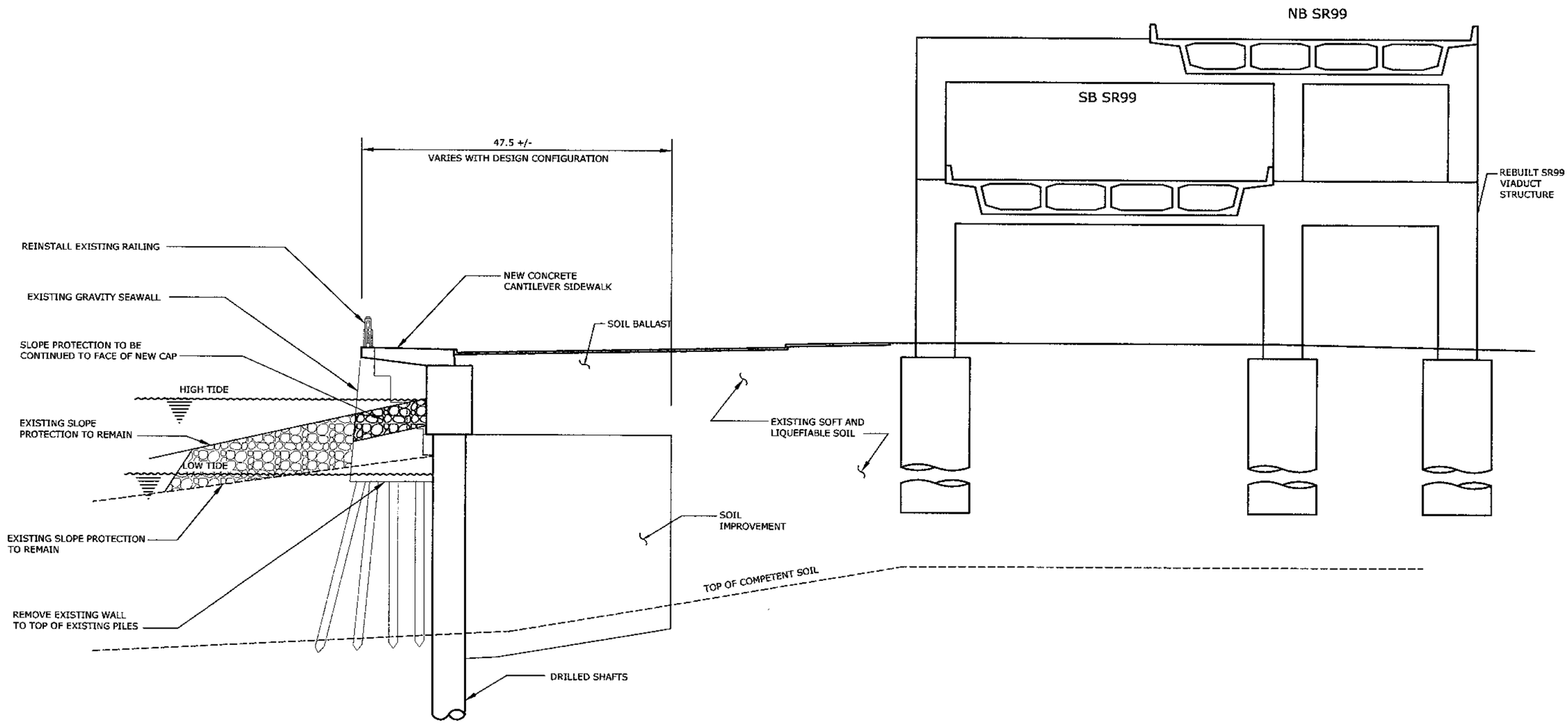
ALASKAN WAY VIADUCT & SEAWALL REPLACEMENT PROJECT
SEATTLE, WA

CONCEPTUAL DESIGN - NOT FOR CONSTRUCTION

REBUILD ALTERNATIVE
SEAWALL REPLACEMENT PLAN

FIGURE NO
R-19

FILENAME: U:\CADD\25314S2_ACAD\SHT\DEIS_FIGS\R\R-19.DWG




CROSS-SECTION H FROM FIGURE R-19
SEAWALL REBUILD AT EXISTING GRAVITY SEAWALL

GRAPHIC SCALE
0 8 16 24 32 48
SCALE IN FEET

U.S. Department of Transportation
Federal Highway Administration

Washington State Department of Transportation

City of Seattle

ALASKAN WAY VIADUCT & SEAWALL REPLACEMENT PROJECT
SEATTLE, WA
CONCEPTUAL DESIGN - NOT FOR CONSTRUCTION

REBUILD ALTERNATIVE
SEAWALL SECTION AT EXISTING GRAVITY WALL

FIGURE NO
R-20

PLOTTING DATE : 020304 13:24

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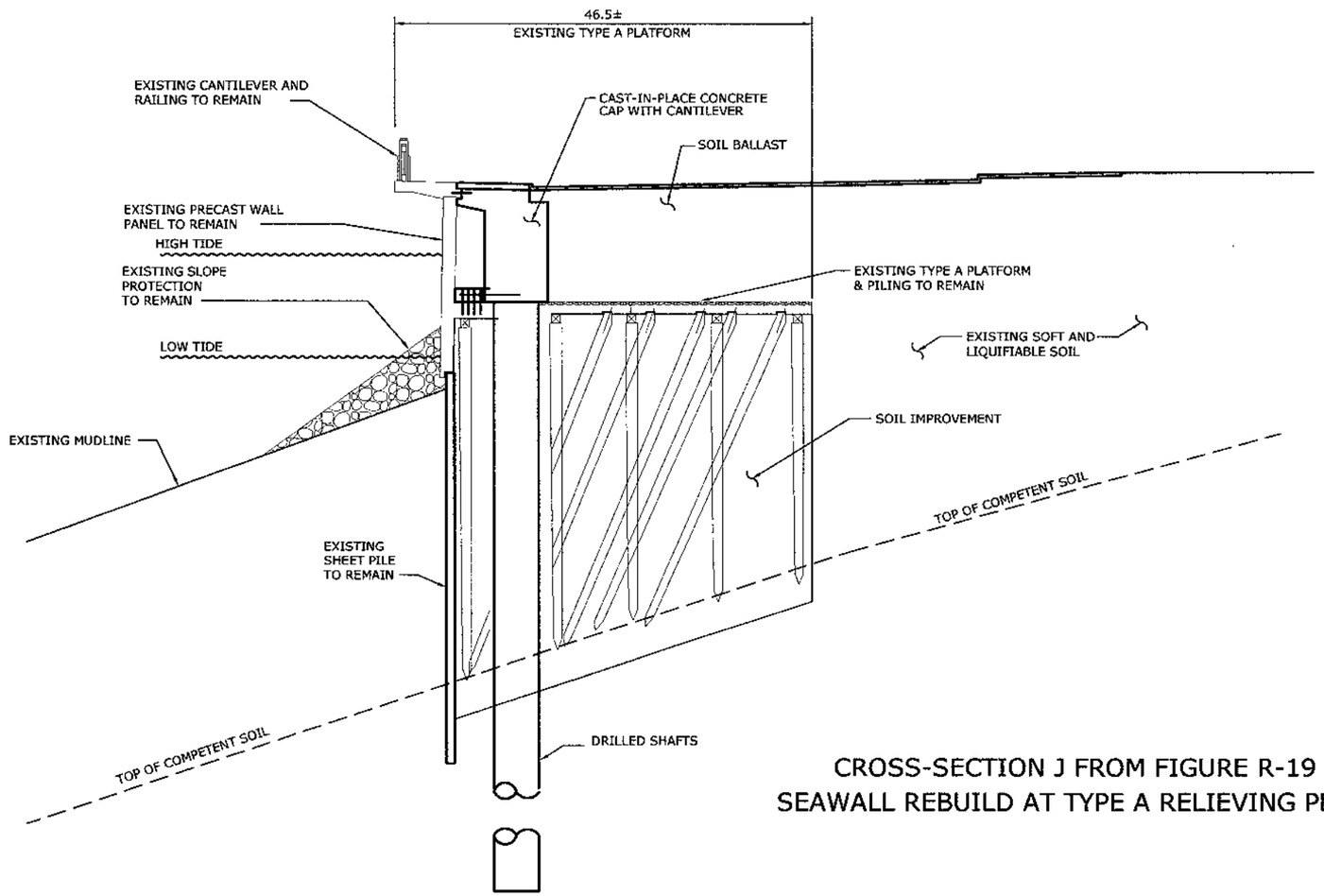


CROSS-SECTION J FROM FIGURE R-19
SEAWALL REBUILD AT TYPE A RELIEVING PLATFORM

GRAPHIC SCALE
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SCALE IN FEET

PLOTTING DATE : 020304 13:25

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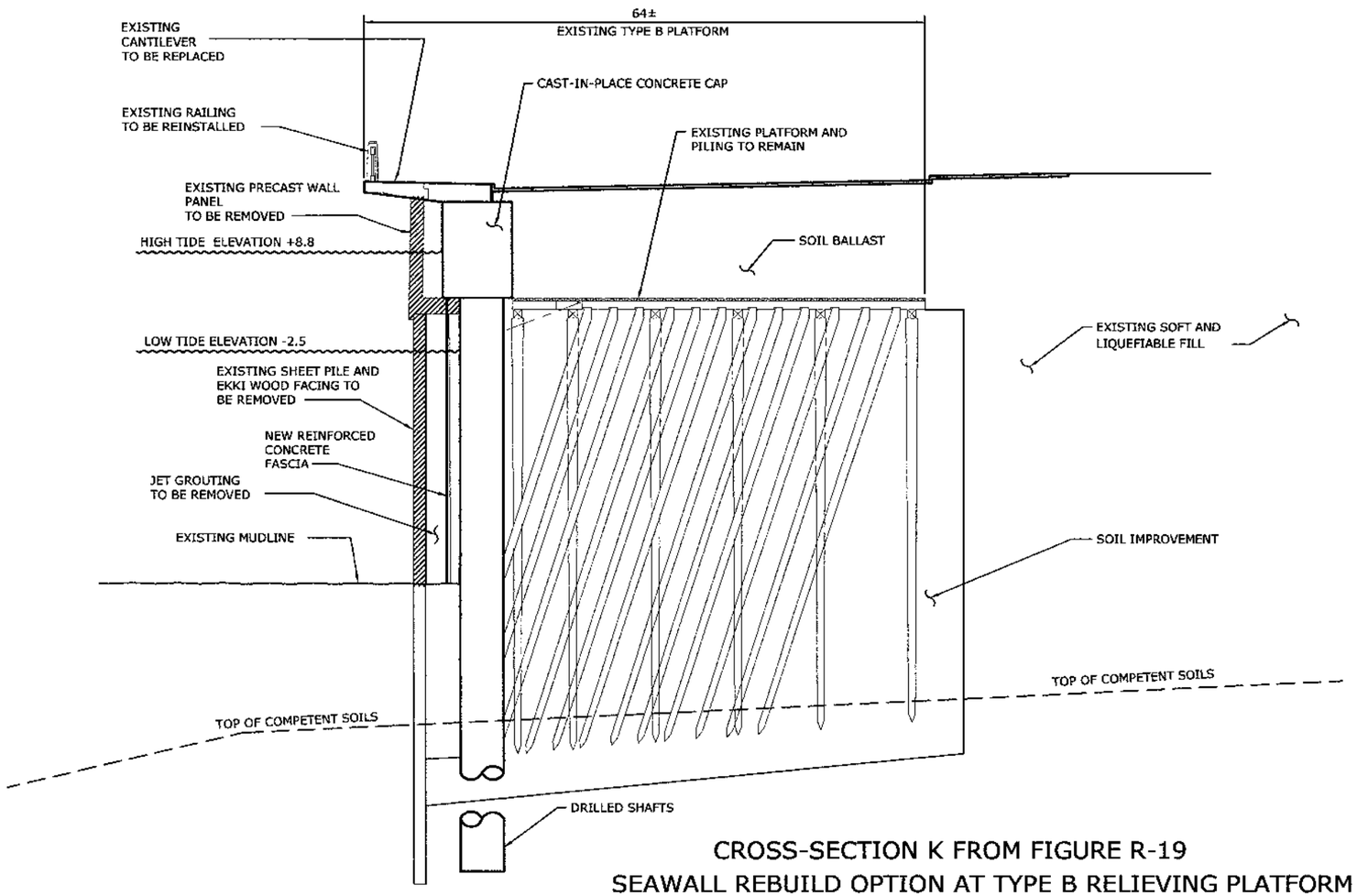
ALASKAN WAY VIADUCT & SEAWALL REPLACEMENT PROJECT
SEATTLE, WA
CONCEPTUAL DESIGN - NOT FOR CONSTRUCTION

REBUILD ALTERNATIVE
SECTION: SEAWALL TYPE A

FIGURE NO
R-21

FILENAME: U:\CADD\25314S2_ACAD\SHT\DEIS_FIGS\R\R-21.DWG




CROSS-SECTION K FROM FIGURE R-19
SEAWALL REBUILD OPTION AT TYPE B RELIEVING PLATFORM

GRAPHIC SCALE
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SCALE IN FEET

PLOTTING DATE : 020304 13:25

U.S. Department of Transportation
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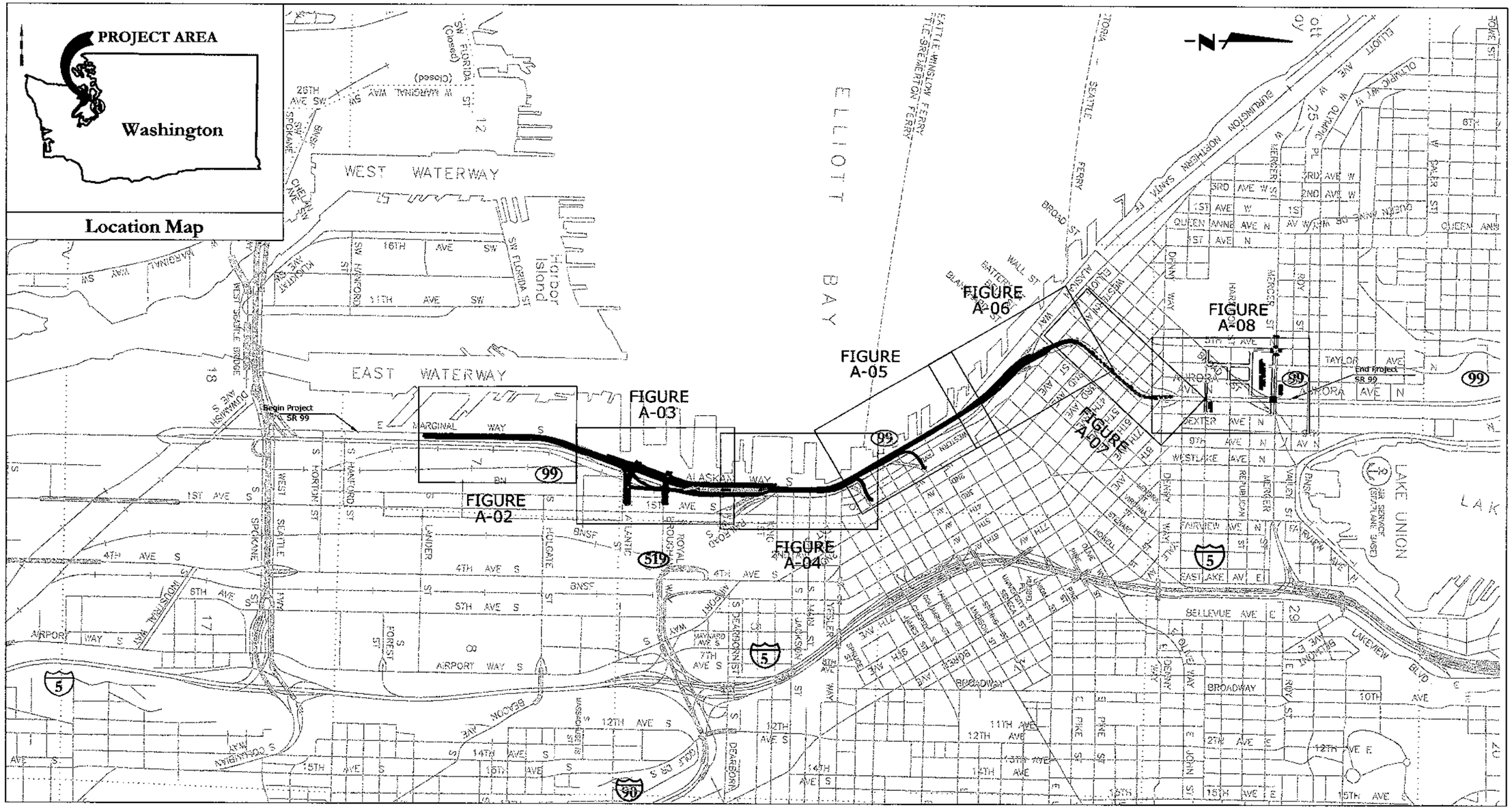
ALASKAN WAY VIADUCT & SEAWALL REPLACEMENT PROJECT
SEATTLE, WA
CONCEPTUAL DESIGN - NOT FOR CONSTRUCTION

REBUILD ALTERNATIVE
SECTION: SEAWALL TYPE B

FIGURE NO
R-22

FILENAME: U:\CADD\25314S2_ACAD\SHT\DEIS_FIGS\R\R-22.DWG

# Alaskan Way Viaduct & Seawall Replacement Project




# Aerial Alternative Vicinity Map

**Not To Scale**

U.S. Department of Transportation
*Federal Highway Administration*

Washington State Department of Transportation

City of Seattle

ALASKAN WAY VIADUCT & SEAWALL REPLACEMENT PROJECT
SEATTLE, WA

CONCEPTUAL DESIGN - NOT FOR CONSTRUCTION

AERIAL ALTERNATIVE VICINITY MAP

FIGURE NO. A-01

FILENAME: U:\CADD\25314S2_ACAD\SHT\DEIS_FIGS\A\A-01.DWG

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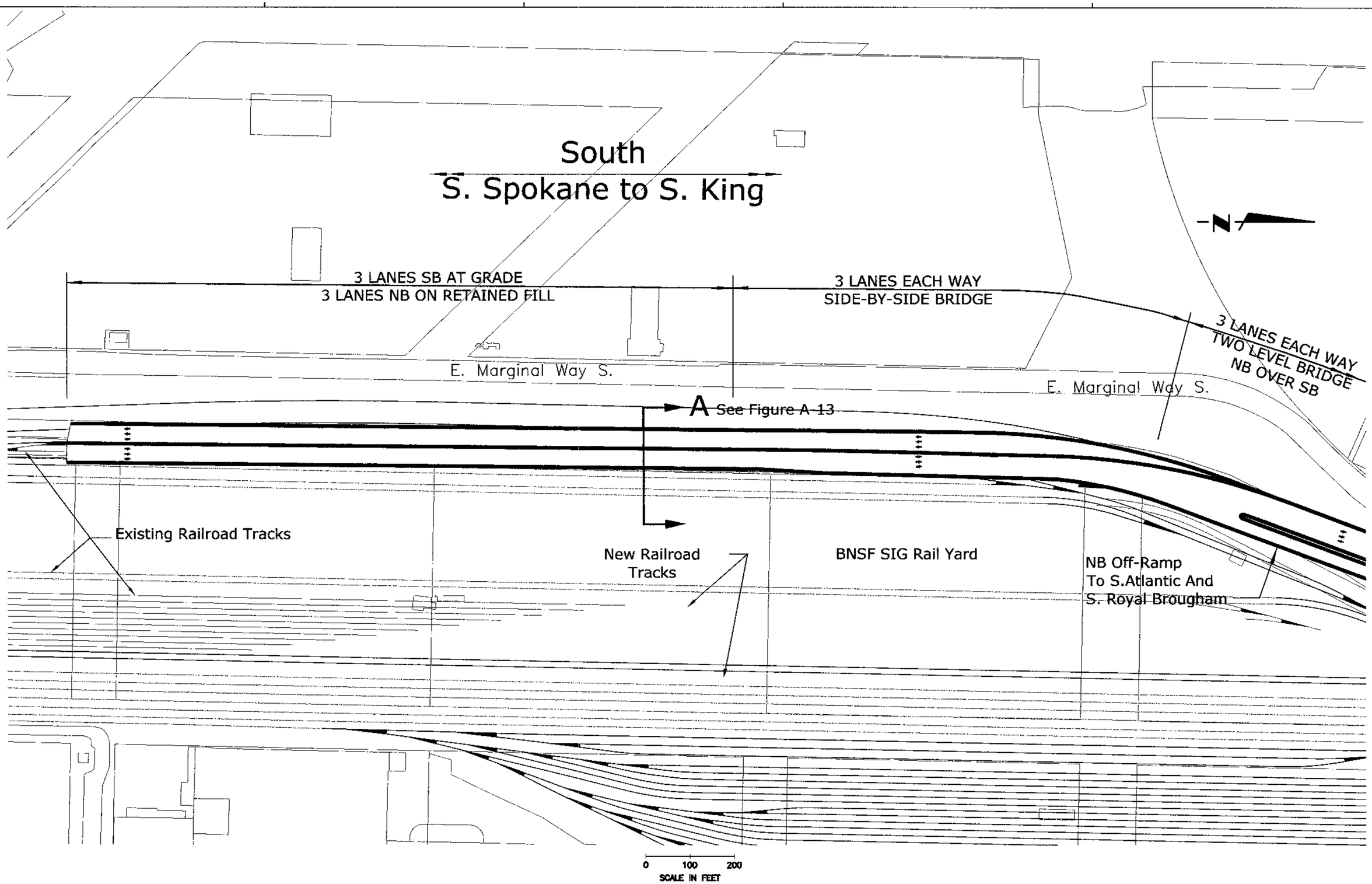


PLOTTING DATE : 020304 13:

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Washington State Department of Transportation

City of Seattle

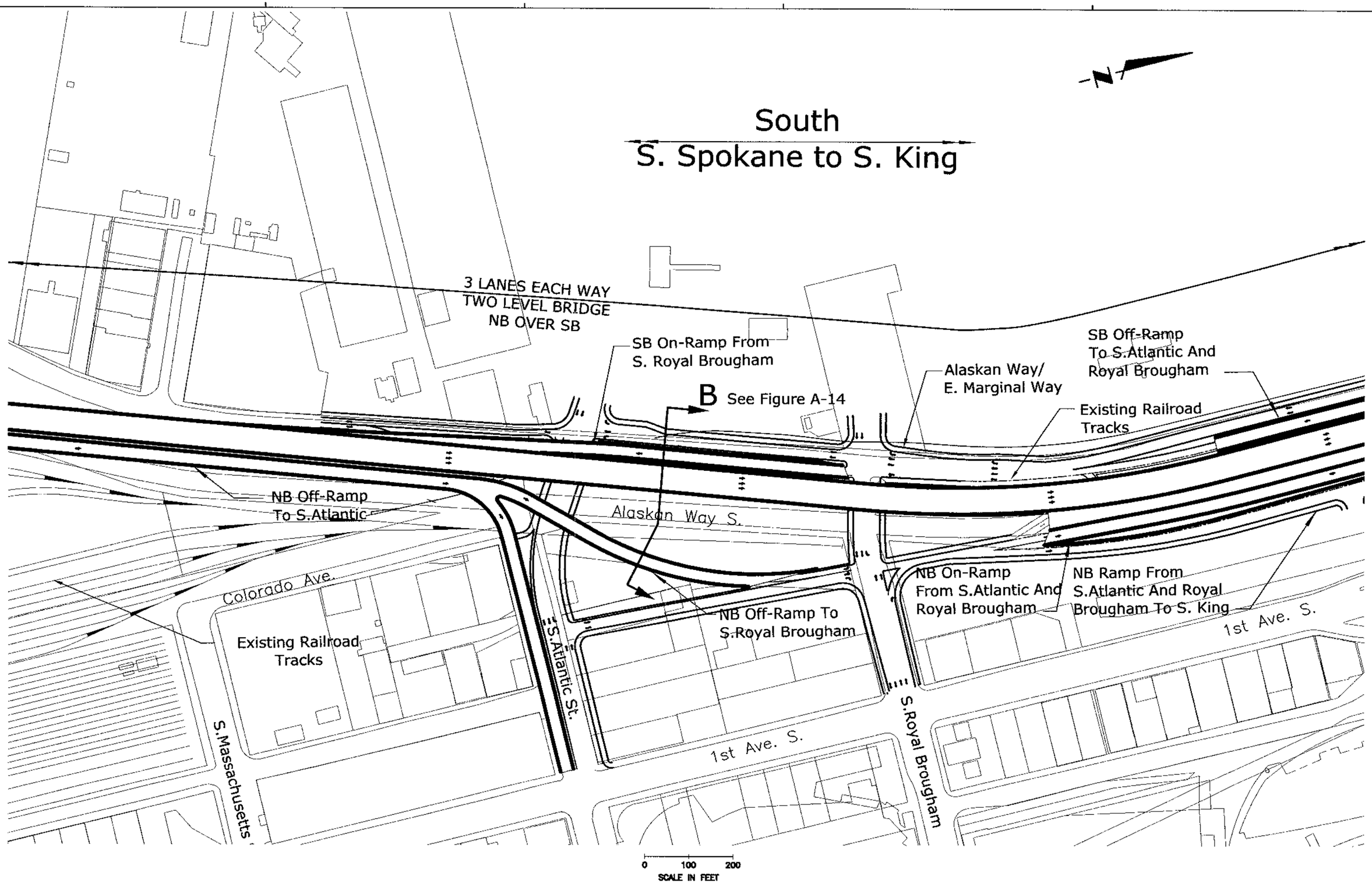
ALASKAN WAY VIADUCT & SEAWALL REPLACEMENT PROJECT
SEATTLE, WA

CONCEPTUAL DESIGN - NOT FOR CONSTRUCTION

AERIAL ALTERNATIVE
S. LANDER TO S. HOLGATE

FIGURE NO
A-02

FILENAME: U:\CADD\25314S2_ACAD\SHT\DEIS_FIGS\A\A-02.DWG




PLOTTING DATE : 020304 13:

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Federal Highway Administration

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City of Seattle

ALASKAN WAY VIADUCT & SEAWALL REPLACEMENT PROJECT
SEATTLE, WA
CONCEPTUAL DESIGN - NOT FOR CONSTRUCTION

AERIAL ALTERNATIVE
S. HOLGATE TO RAILROAD WAY S.

FIGURE NO
A-03

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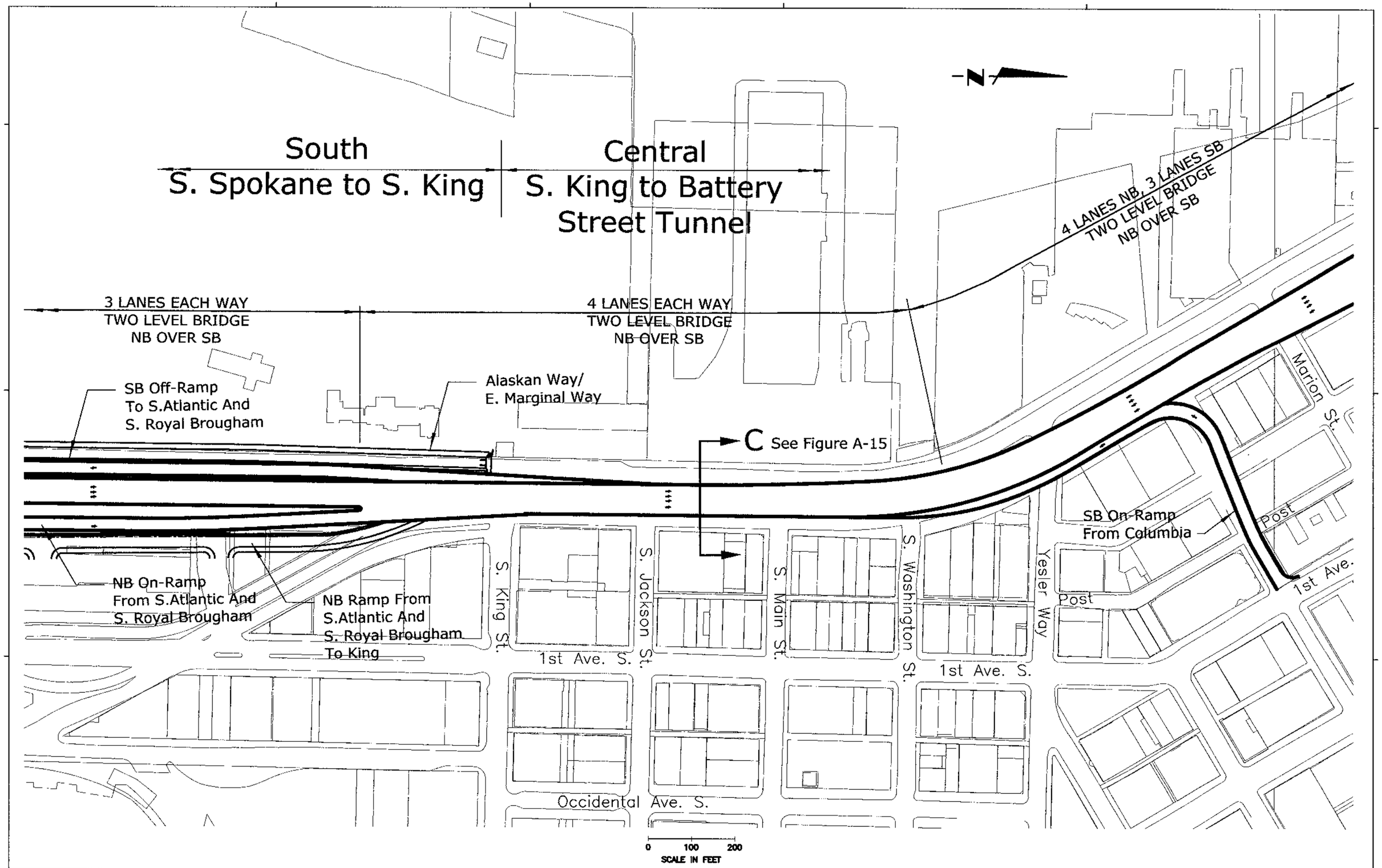


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ALASKAN WAY VIADUCT & SEAWALL REPLACEMENT PROJECT
SEATTLE, WA

CONCEPTUAL DESIGN - NOT FOR CONSTRUCTION

AERIAL ALTERNATIVE
RAILROAD WAY S. TO YESLER

FIGURE NO
A-04

PLOTTING DATE : 022304 09:

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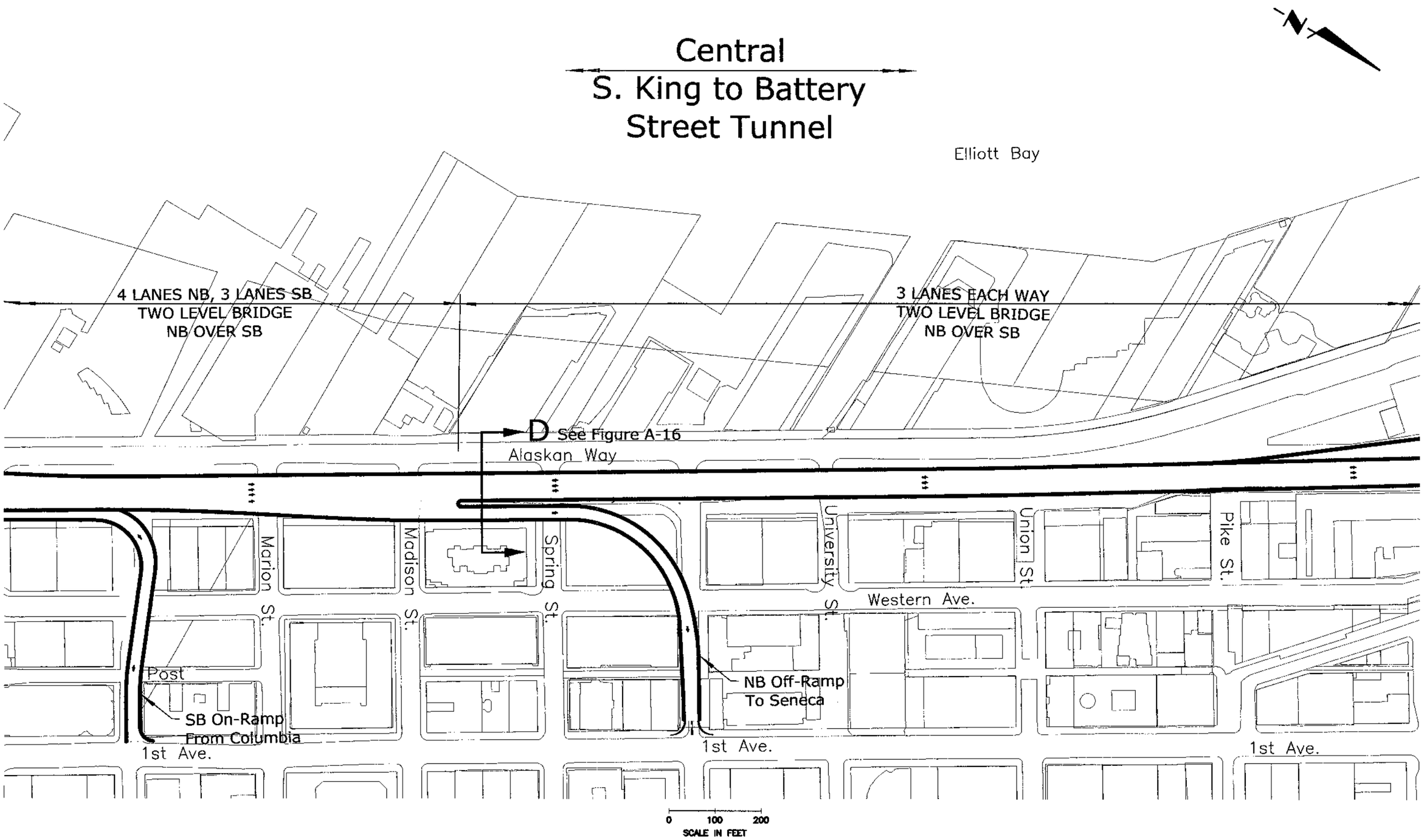


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ALASKAN WAY VIADUCT & SEAWALL REPLACEMENT PROJECT
SEATTLE, WA
CONCEPTUAL DESIGN - NOT FOR CONSTRUCTION

AERIAL ALTERNATIVE
YESLER TO PIKE

FIGURE NO
A-05

PLOTTING DATE : 020304 13:

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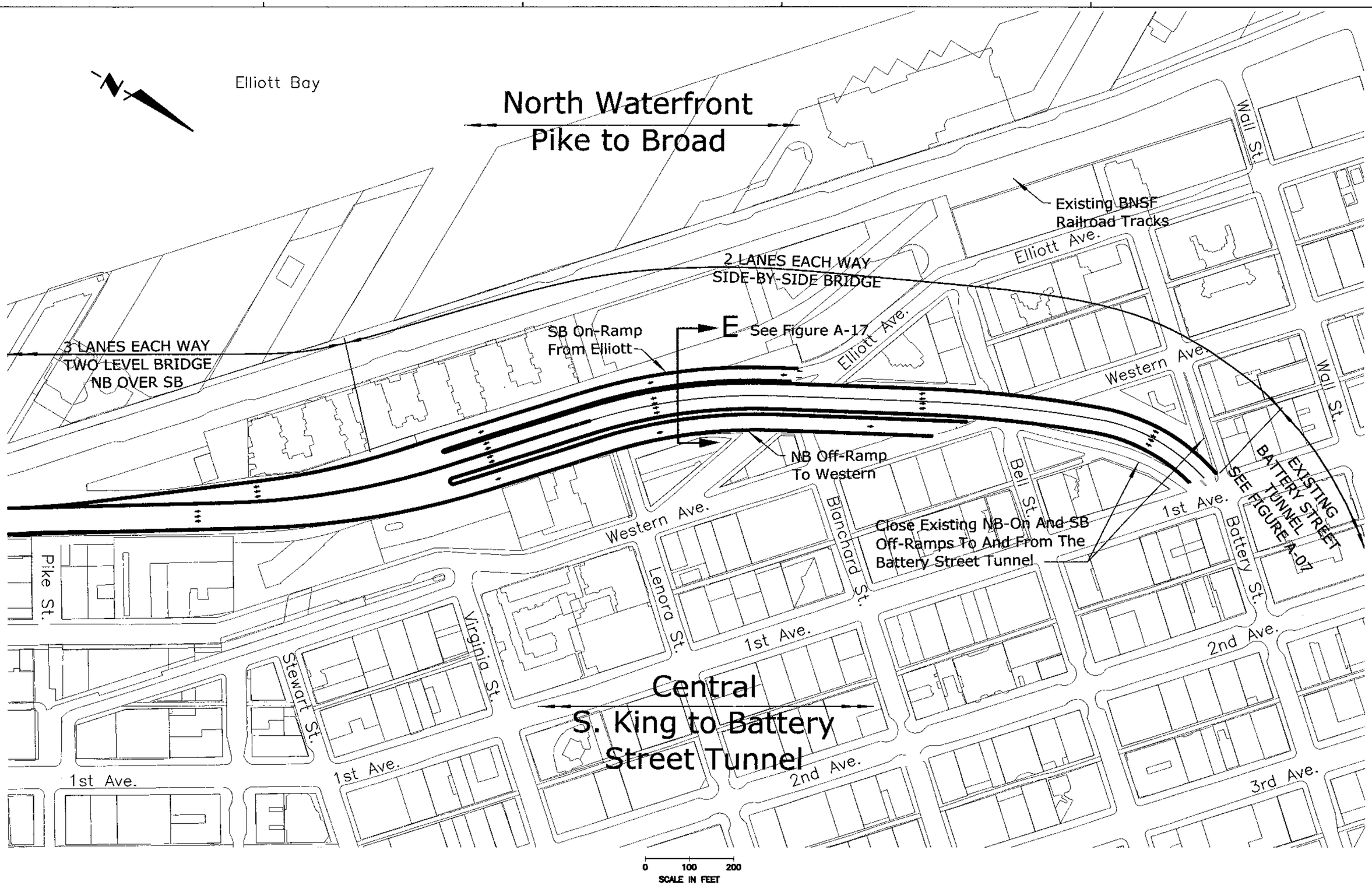


PLOTTING DATE : 020304 13:

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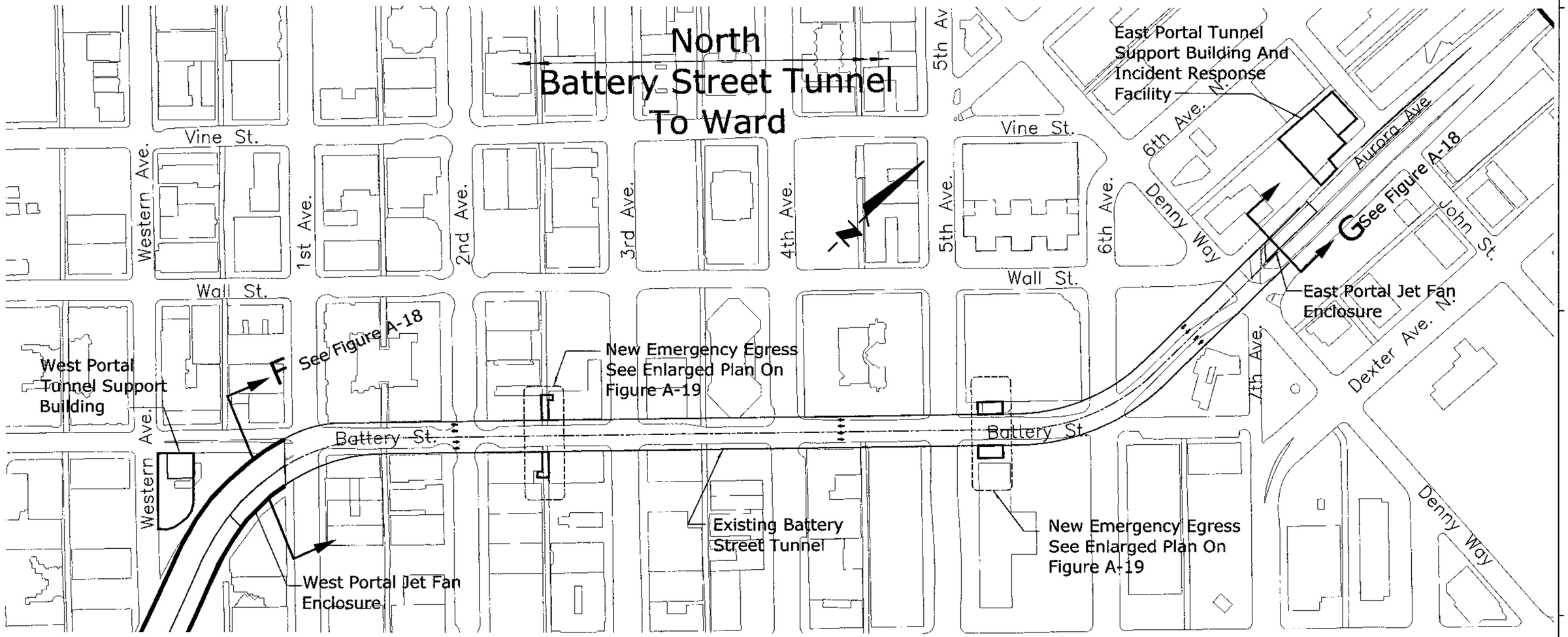
ALASKAN WAY VIADUCT & SEAWALL REPLACEMENT PROJECT
SEATTLE, WA

CONCEPTUAL DESIGN - NOT FOR CONSTRUCTION

AERIAL ALTERNATIVE
PIKE TO BATTERY STREET TUNNEL

FIGURE NO
A-06

FILENAME: U:\CADD\25314S2_ACAD\SHT\DEIS_FIGS\A\A-06.DWG




0 100 200
SCALE IN FEET

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ALASKAN WAY VIADUCT & SEAWALL REPLACEMENT PROJECT
SEATTLE, WA

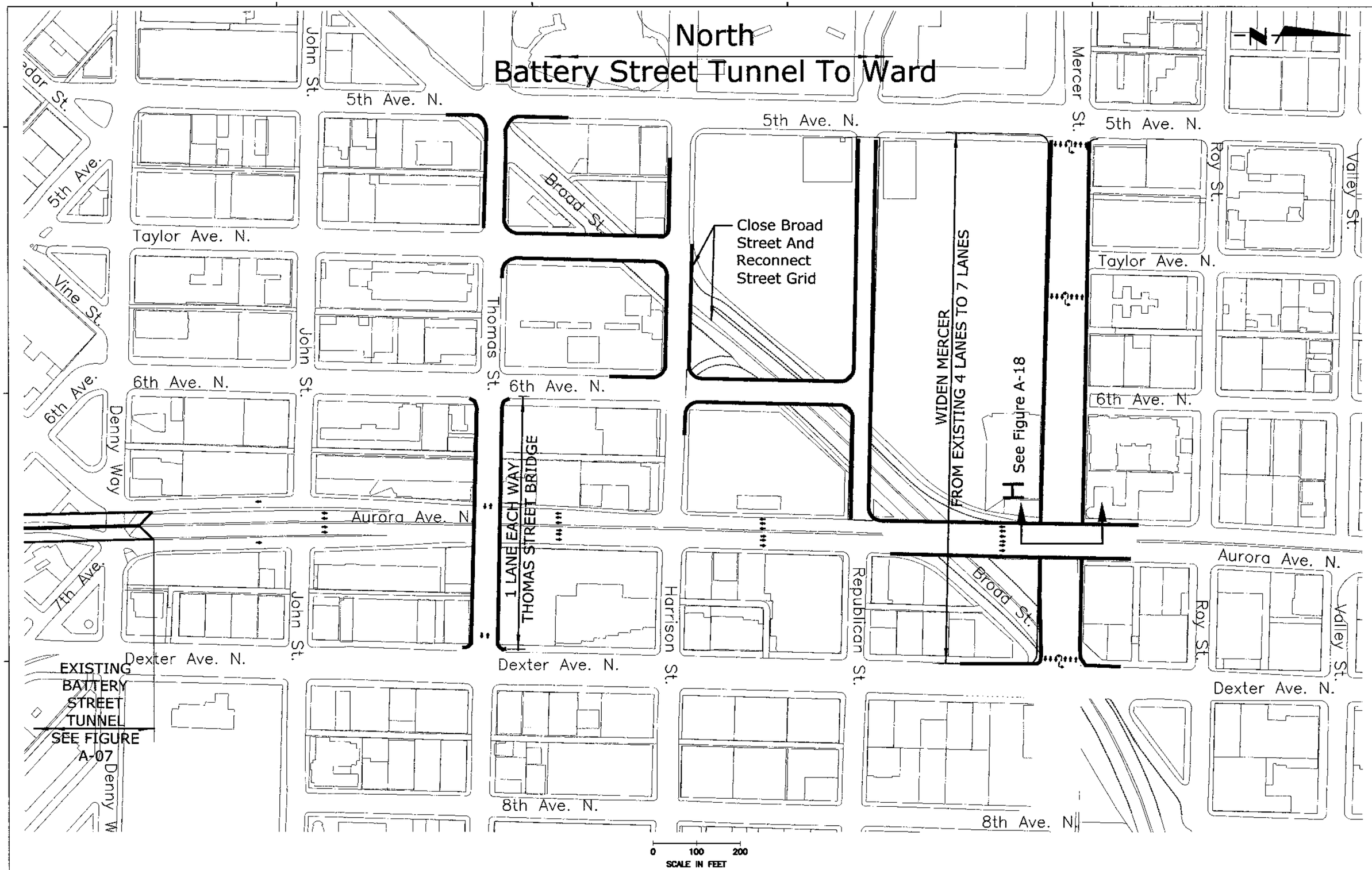
CONCEPTUAL DESIGN - NOT FOR CONSTRUCTION

AERIAL ALTERNATIVE
BATTERY STREET TUNNEL

FIGURE NO
A-07

PLOTTING DATE :

FILENAME: U:\CADD\25314S2_ACAD\SHT\DEIS_FIGS\A\A-07.DWG




PLOTTING DATE : 020304 13:

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City of Seattle

ALASKAN WAY VIADUCT & SEAWALL REPLACEMENT PROJECT
SEATTLE, WA
CONCEPTUAL DESIGN - NOT FOR CONSTRUCTION

AERIAL ALTERNATIVE
RECONNECTION OF STREET GRID & BROAD STREET CLOSURE

FIGURE NO
A-08

FILENAME: U:\CADD\25314S2_ACAD\SHT\DEIS_FIGS\A\A-08.DWG

# South
## S. Spokane to S. King

N

TEMPORARY 2 LANES EACH WAY
TWO LEVEL BRIDGE
NB OVER SB

Temporary SB Off-Ramp
To Alaskan Way

Existing Alaskan Way Viaduct
To Be Removed

Temporary NB On-Ramp
From S. Royal Brougham

S. Royal Brougham Way

1st Ave. S.

S. King St.

S. Jackson St.

S. Main St.

1st Ave. S.

Occidental Ave. S.

0 100 200
SCALE IN FEET

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City of Seattle

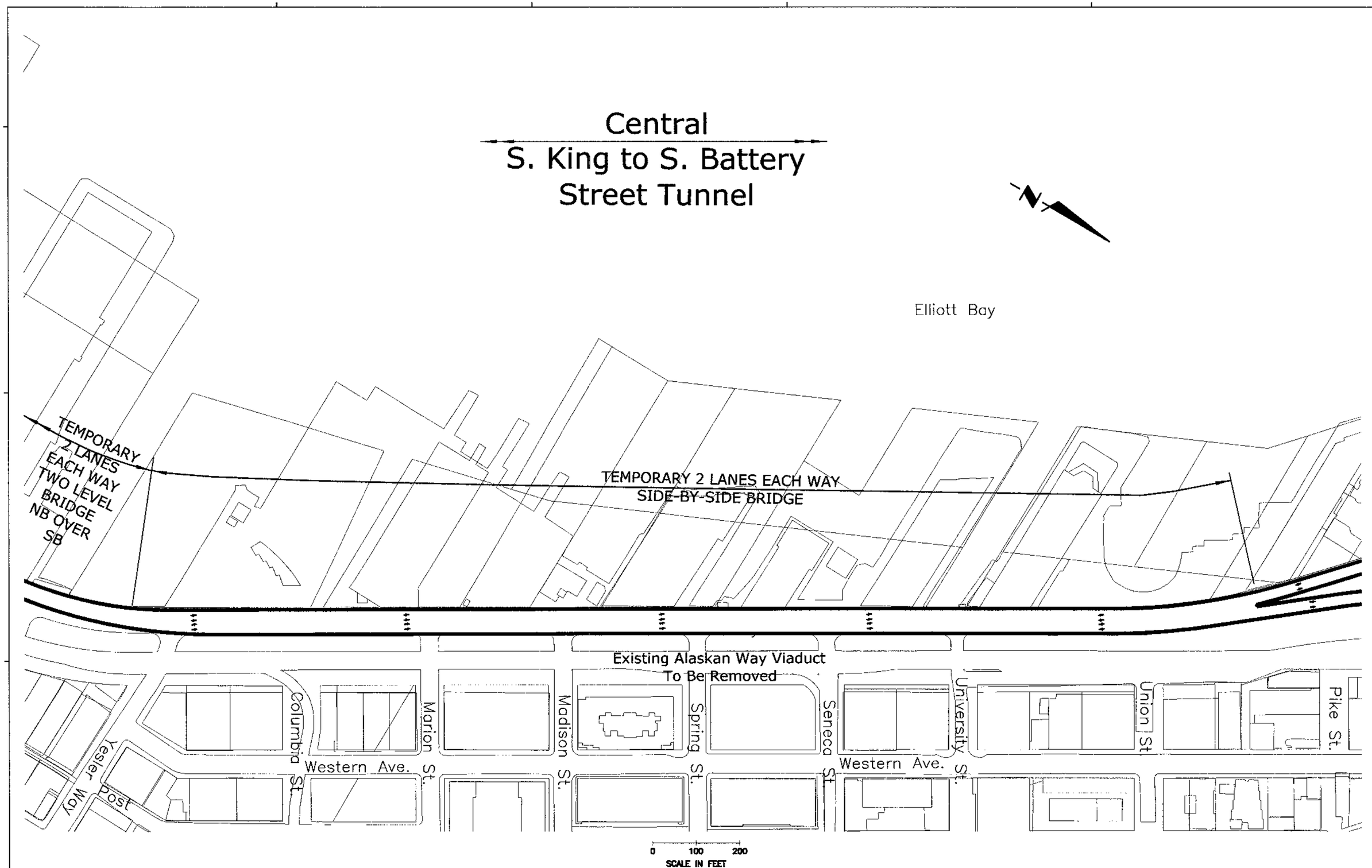
ALASKAN WAY VIADUCT & SEAWALL REPLACEMENT PROJECT
SEATTLE, WA
CONCEPTUAL DESIGN - NOT FOR CONSTRUCTION

AERIAL ALTERNATIVE
S. ROYAL BROUGHAM TO S. KING DETOUR

FIGURE NO
A-09

PLOTTING DATE : 020304 13:

FILENAME: U:\CADD\25314S2_ACAD\SHT\DEIS_FIGS\A\A-09.DWG

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ALASKAN WAY VIADUCT & SEAWALL REPLACEMENT PROJECT
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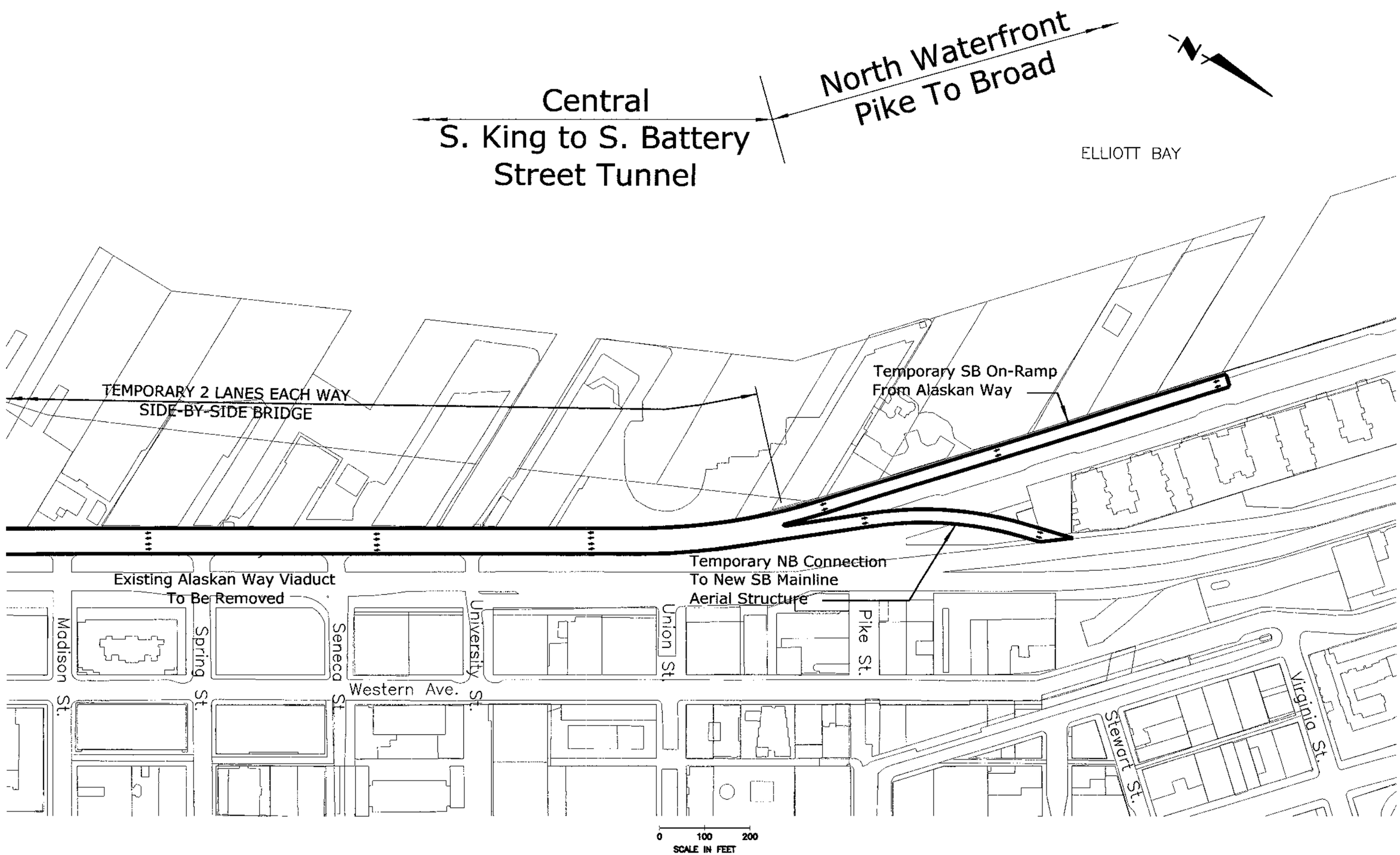
CONCEPTUAL DESIGN - NOT FOR CONSTRUCTION

AERIAL ALTERNATIVE
S. KING TO SPRING DETOUR

FIGURE NO
A-10

PLOTTING DATE : 020304 13:

FILENAME: U:\CADD\253145S2_ACAD\SHT\DEIS_FIGS\A\A-10.DWG

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CONCEPTUAL DESIGN - NOT FOR CONSTRUCTION

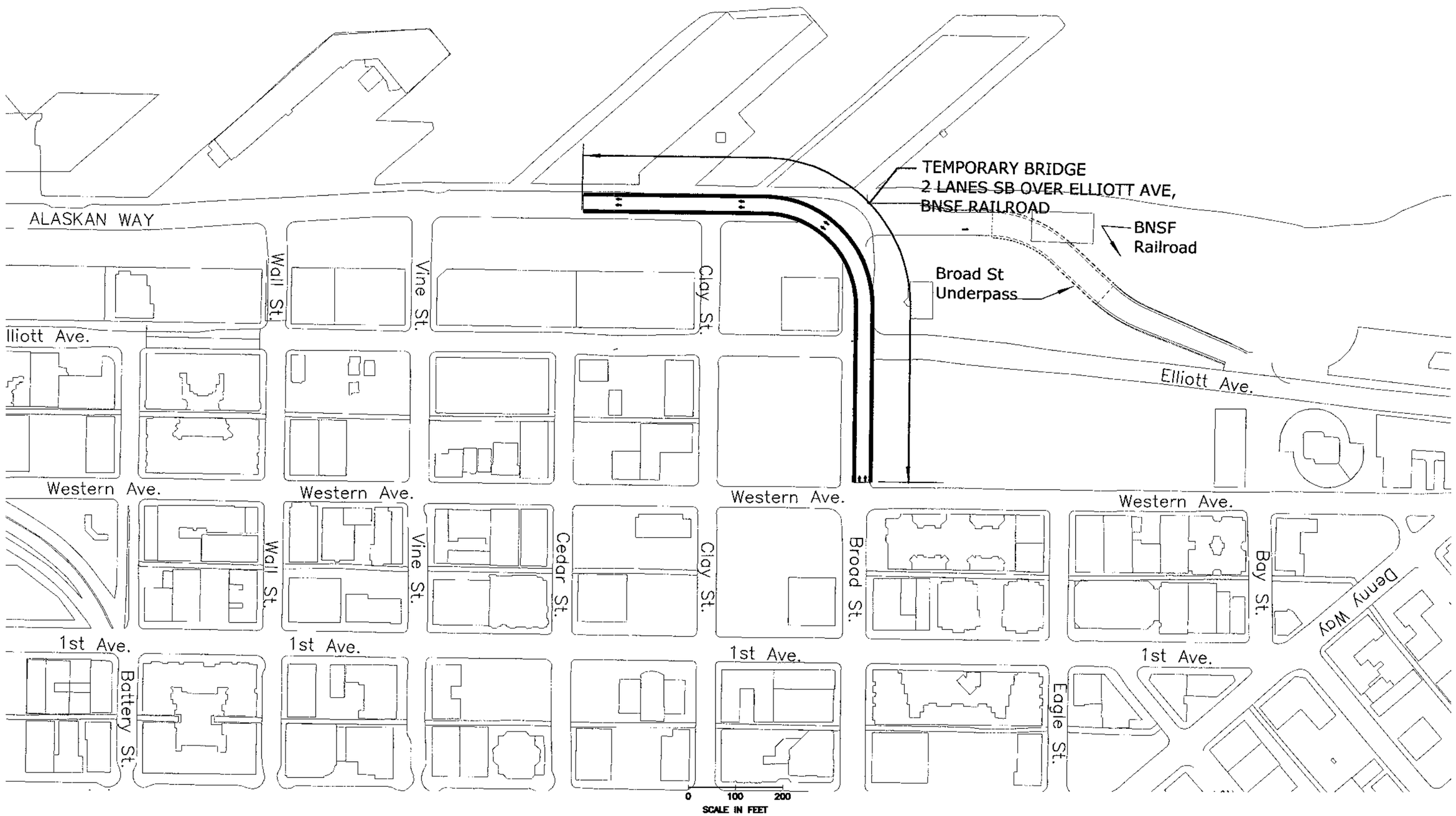
AERIAL ALTERNATIVE
S. SPRING TO PIKE DETOUR

FIGURE NO
A-11

PLOTTING DATE : 020304 13:

FILENAME: U:\CADD\25314S2_ACAD\SHT\DEIS_FIGS\A\A-11.DWG

# North Waterfront
## Pike To Broad

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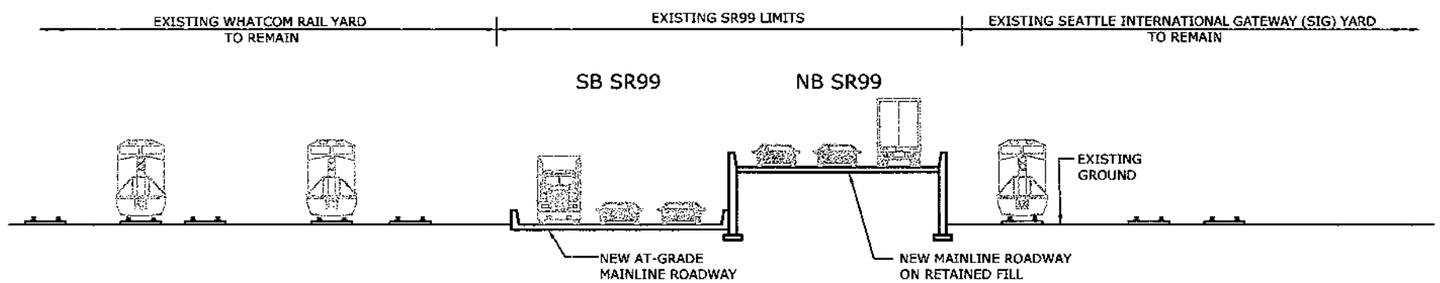
CONCEPTUAL DESIGN - NOT FOR CONSTRUCTION

AERIAL ALTERNATIVE
BROAD STREET DETOUR GRADE SEPARATION

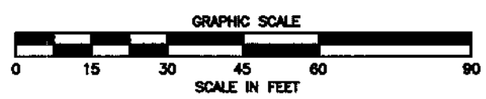
FIGURE NO
A-12

PLOTTING DATE : 020304 13:

FILENAME: U:\CADD\25314S2_ACAD\SHT\DEIS_FIGS\A\A-12.DWG




CROSS-SECTION A FROM FIGURE A-02




PLOTTING DATE : 020304 13:36

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ALASKAN WAY VIADUCT & SEAWALL REPLACEMENT PROJECT
SEATTLE, WA

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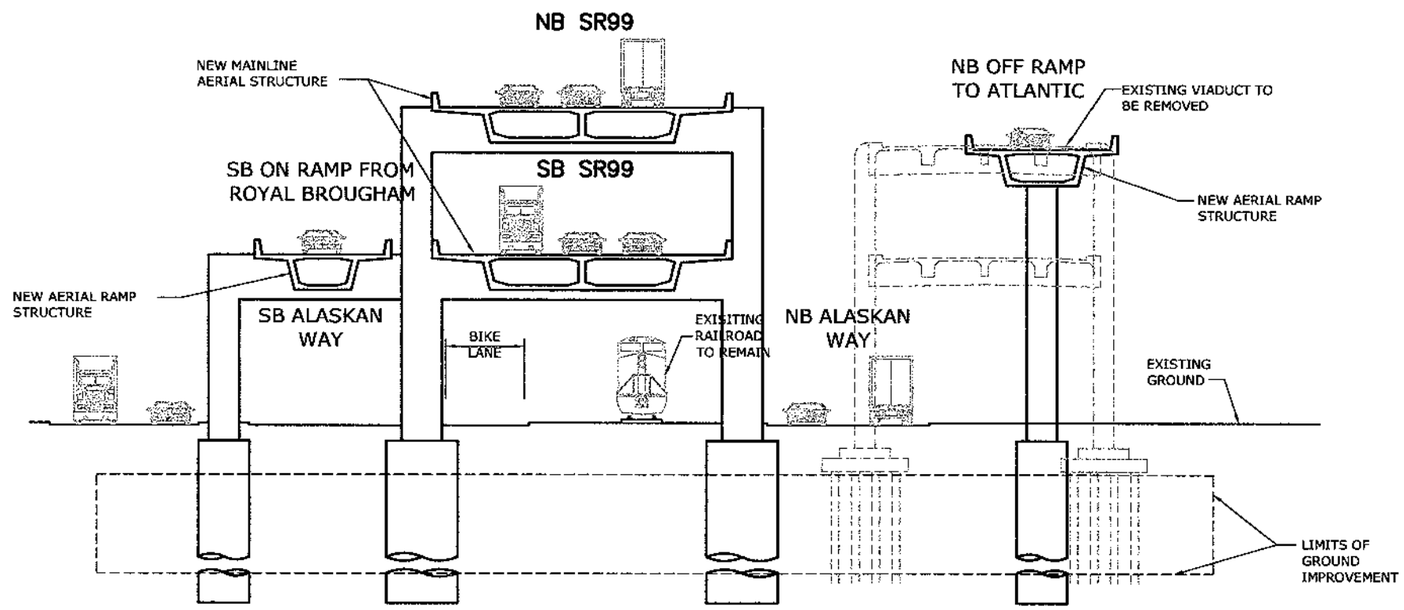
AERIAL ALTERNATIVE
CROSS-SECTION, FROM FIGURE A-02

FIGURE NO
A-13

FILENAME: U:\CADD\25314S2_ACAD\SHT\DEIS_FIGS\A\A-13.DWG




CROSS-SECTION B FROM FIGURE A-03

GRAPHIC SCALE

0 15 30 45 60 90

SCALE IN FEET

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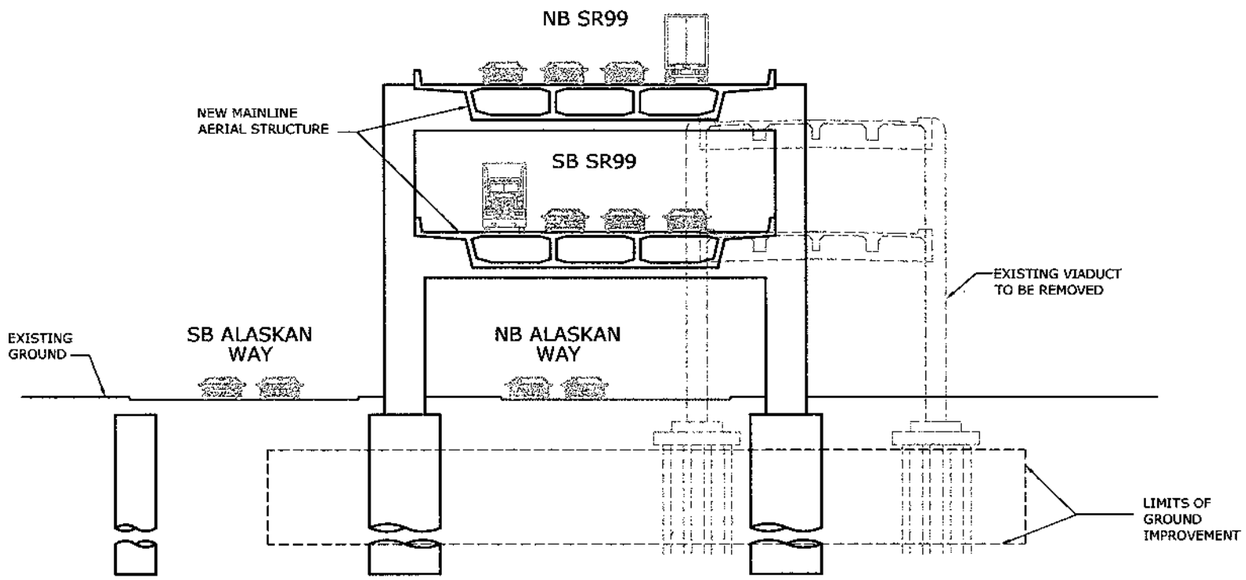
AERIAL ALTERNATIVE
CROSS SECTION, FROM FIGURE A-03

FIGURE NO
A-14

FILENAME: U:\CADD\25314S2_ACAD\SHT\DEIS_FIGS\A\A-14.DWG

PLOTTING DATE : 020304 13:37




CROSS-SECTION C FROM FIGURE A-04

GRAPHIC SCALE

0 15 30 45 60 90

SCALE IN FEET

U.S. Department of Transportation
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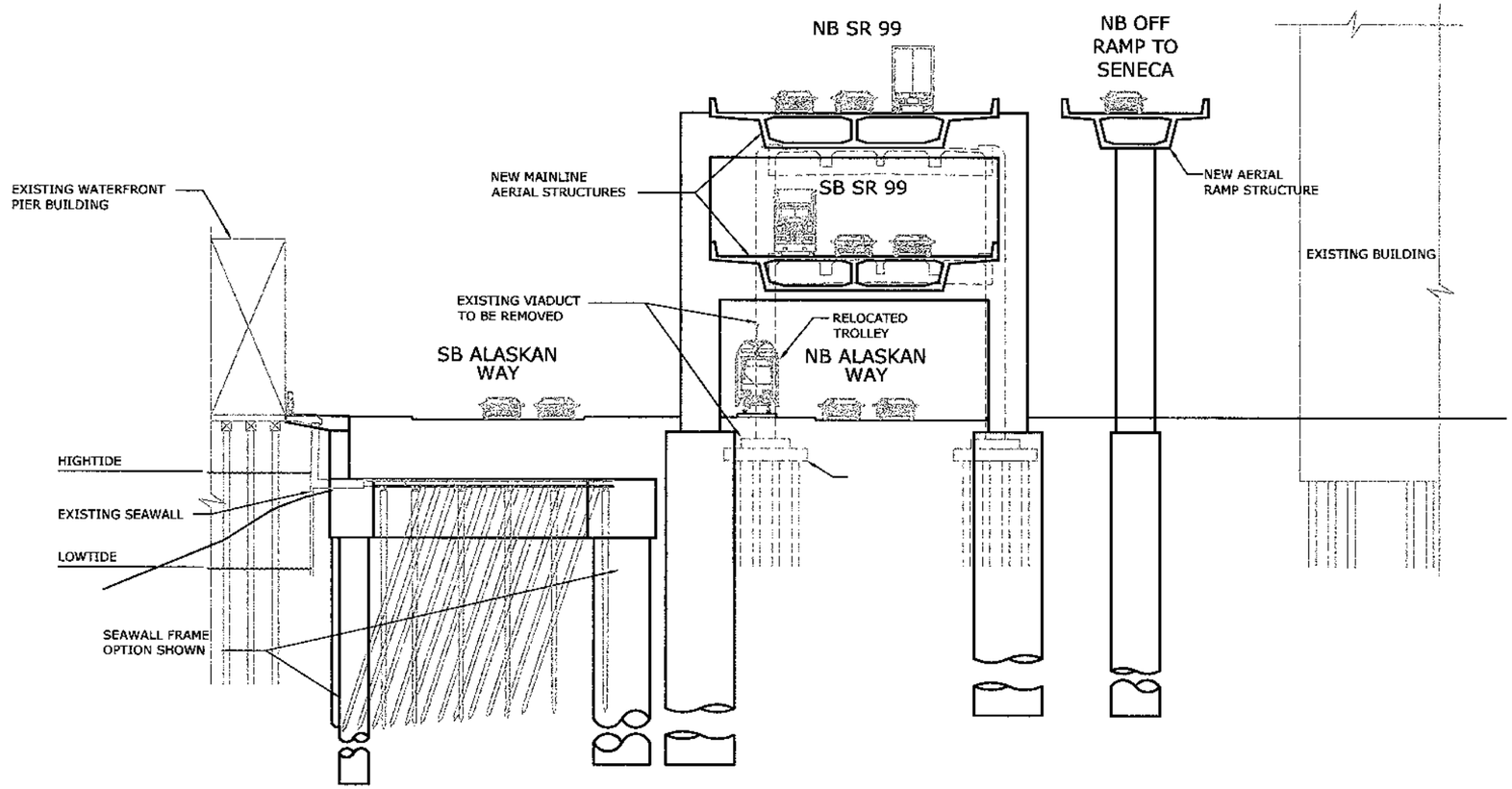
AERIAL ALTERNATIVE
CROSS-SECTION, FROM SHEET A-04

FIGURE NO
A-15

FILENAME: U:\CADD\25314S2_ACAD\SHT\DEIS_FIGS\A\A-15.DWG

PLOTTING DATE : 020304 13:37




CROSS-SECTION D FROM FIGURE A-05

GRAPHIC SCALE

0 15 30 45 60 90

SCALE IN FEET

PLOTTING DATE : 020304 13:38

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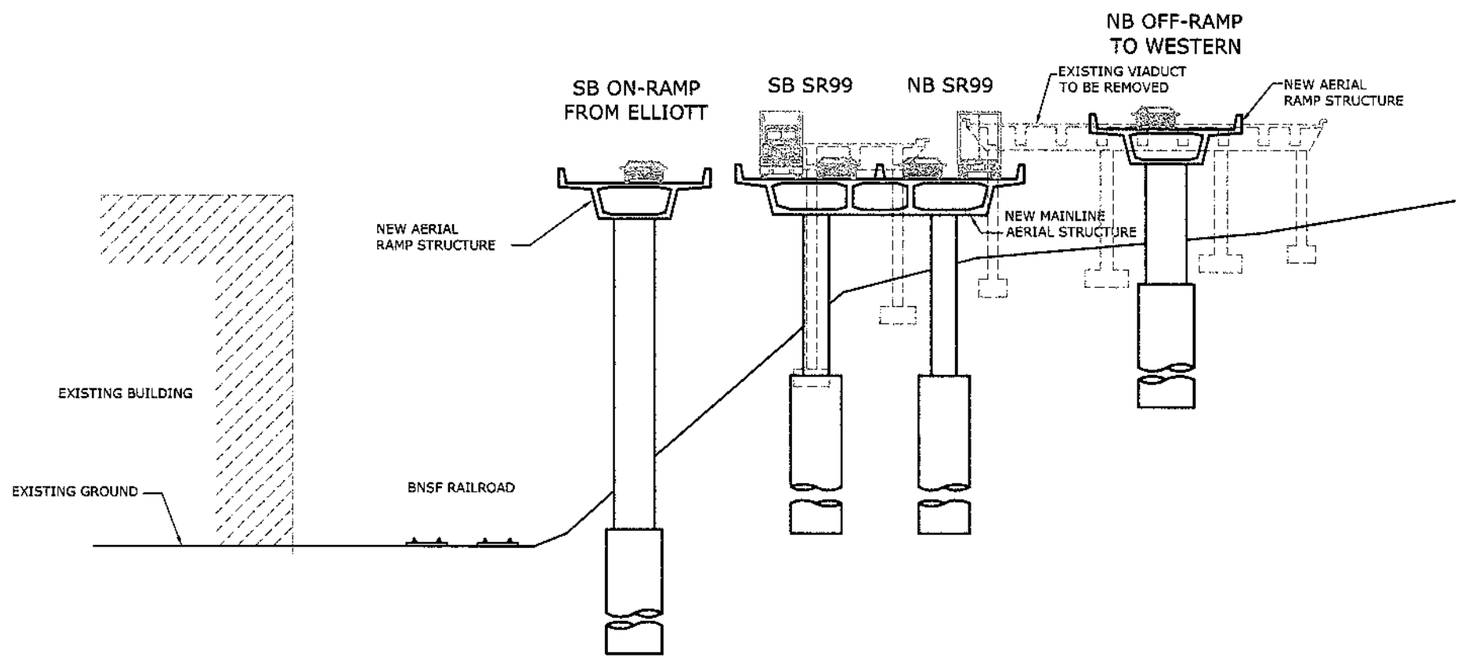
AERIAL ALTERNATIVE
CROSS-SECTION, FROM SHEET A-05

FIGURE NO
A-16

FILENAME: U:\CADD\25314S2_ACAD\SHT\DEIS_FIGS\A\A-16.DWG




CROSS-SECTION E FROM FIGURE A-06

GRAPHIC SCALE

0 15 30 45 60 90

SCALE IN FEET

U.S. Department of Transportation
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City of Seattle

ALASKAN WAY VIADUCT & SEAWALL REPLACEMENT PROJECT
SEATTLE, WA

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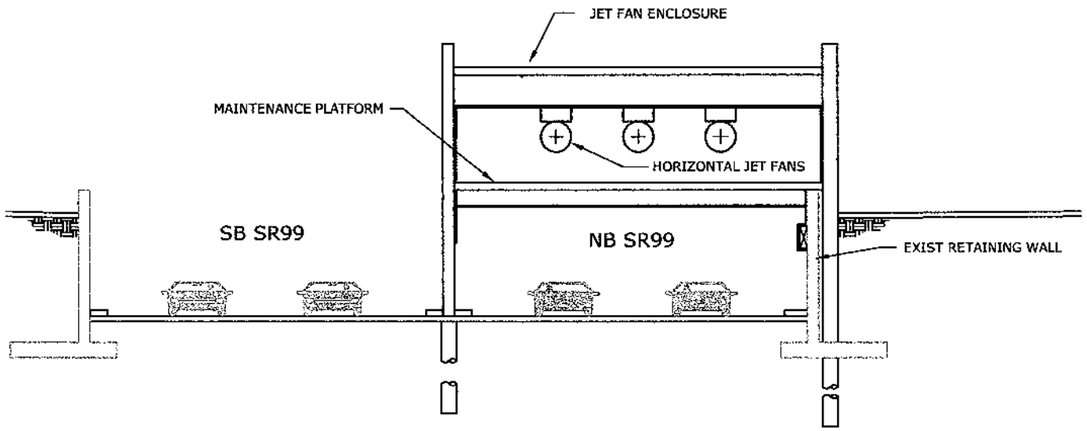
AERIAL ALTERNATIVE
CROSS-SECTION, FROM FIGURE A-06

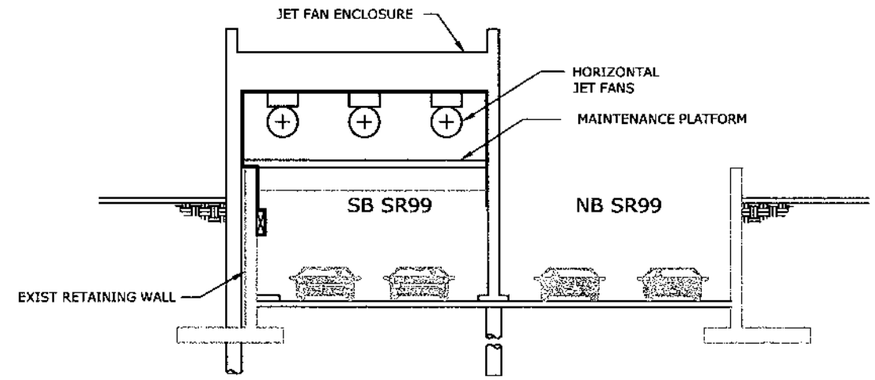
FIGURE NO
A-17

PLOTTING DATE : 020304 13:39

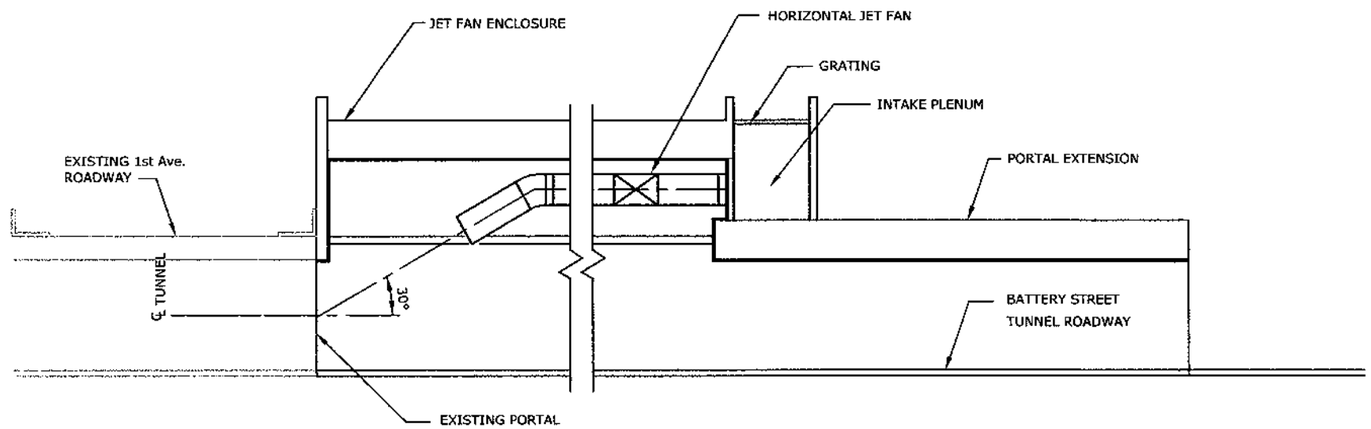
FILENAME: U:\CADD\25314S2_ACAD\SHT\DEIS_FIGS\A\A-17.DWG



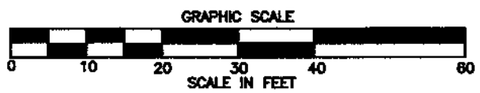

CROSS-SECTION F FROM FIGURE A-07
WEST PORTAL JET FAN ENCLOSURE




CROSS-SECTION G FROM FIGURE A-07
EAST PORTAL JET FAN ENCLOSURE




JET FAN ENCLOSURE LONGITUDINAL SECTION




NOTE:
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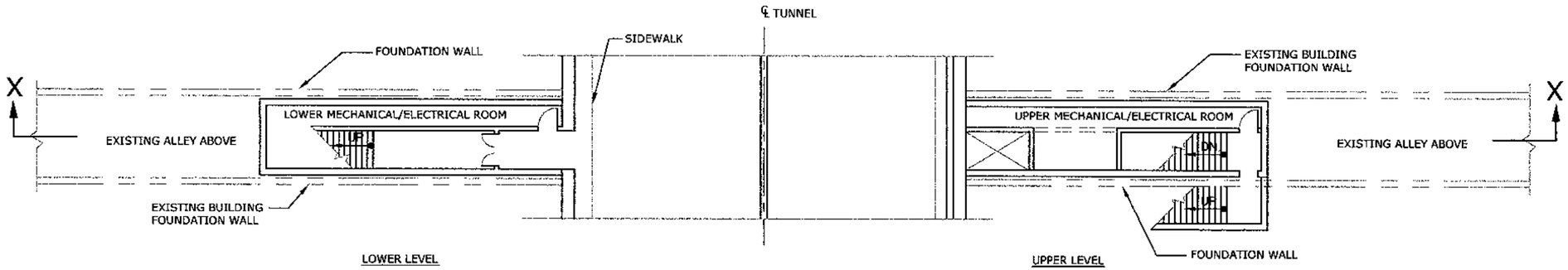
ALASKAN WAY VIADUCT & SEAWALL REPLACEMENT PROJECT
SEATTLE, WA
CONCEPTUAL DESIGN - NOT FOR CONSTRUCTION

AERIAL ALTERNATIVE
BATTERY STREET TUNNEL SECTIONS

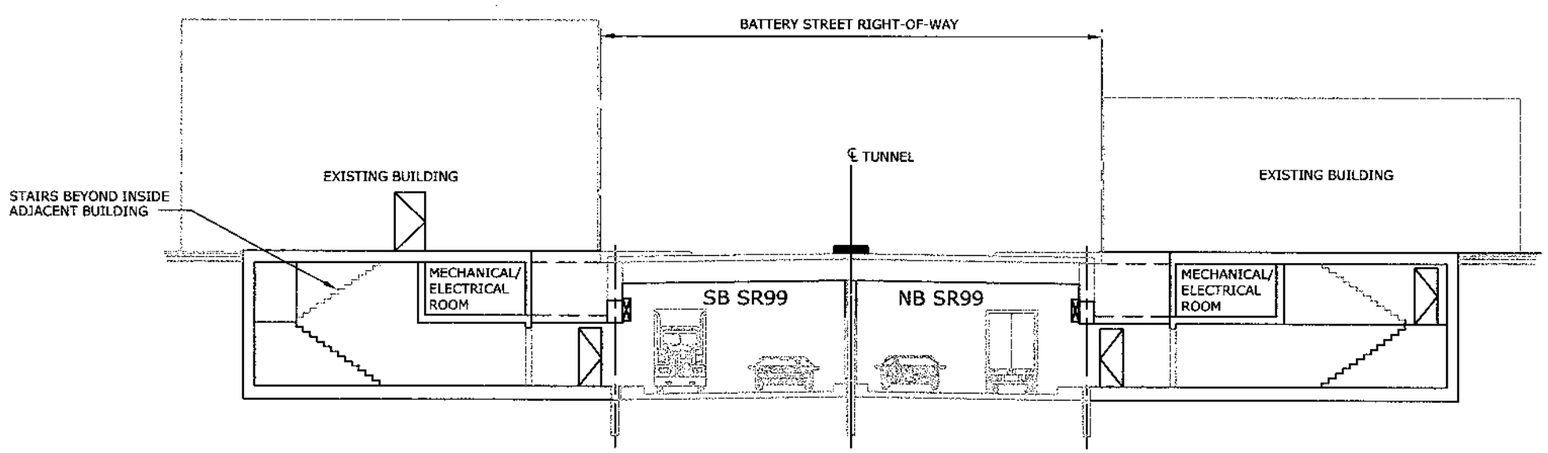
FIGURE NO
A-18

PLOTTING DATE : 020304 13:39

FILENAME: U:\CADD\25314S2_ACAD\SHT\DEIS_FIGS\A\A-18.DWG




ENLARGED PLAN FROM FIGURE A-07
BATTERY STREET TUNNEL : PLAN AT EMERGENCY EGRESS




CROSS-SECTION X FROM THE ABOVE FIGURE
BATTERY STREET TUNNEL : SECTION AT EMERGENCY EGRESS

GRAPHIC SCALE
0 10 20 30 40 60
SCALE IN FEET

PLOTTING DATE : 020304 13:39

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Federal Highway Administration

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City of Seattle

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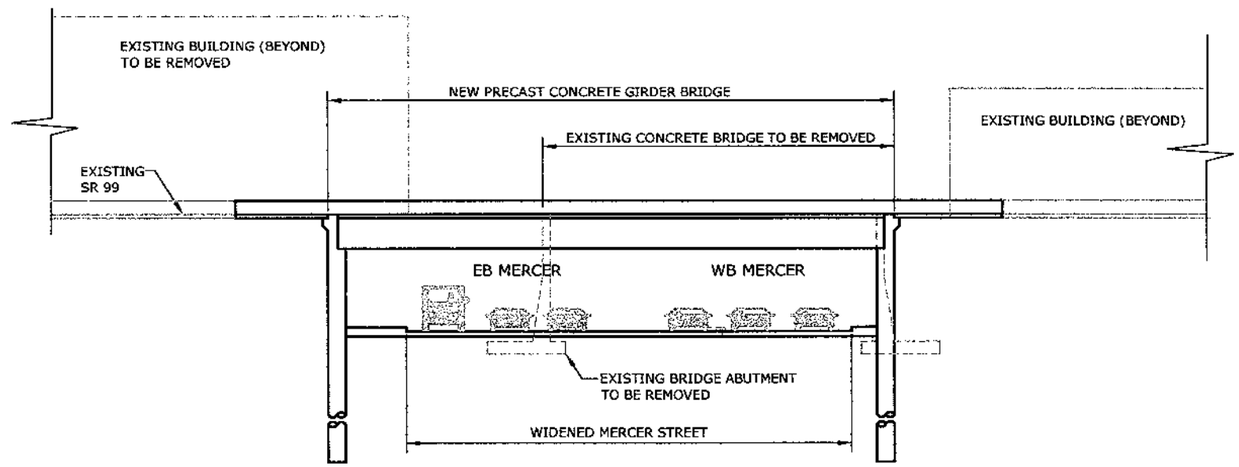
SEATTLE, WA
CONCEPTUAL DESIGN - NOT FOR CONSTRUCTION

AERIAL ALTERNATIVE
BATTERY STREET TUNNEL SECTIONS

FIGURE NO
A-19

FILENAME: U:\CADD\25314S2_ACAD\SHT\DEIS_FIGS\A\A-19.DWG




CROSS-SECTION H FROM FIGURE A-08

GRAPHIC SCALE

0 15 30 45 60 90

SCALE IN FEET

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Washington State Department of Transportation

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ALASKAN WAY VIADUCT & SEAWALL REPLACEMENT PROJECT
SEATTLE, WA

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AERIAL ALTERNATIVE
CROSS-SECTIONS, FROM SHEET A-08

FIGURE NO
A-20

PLOTTING DATE : 020304 13:42

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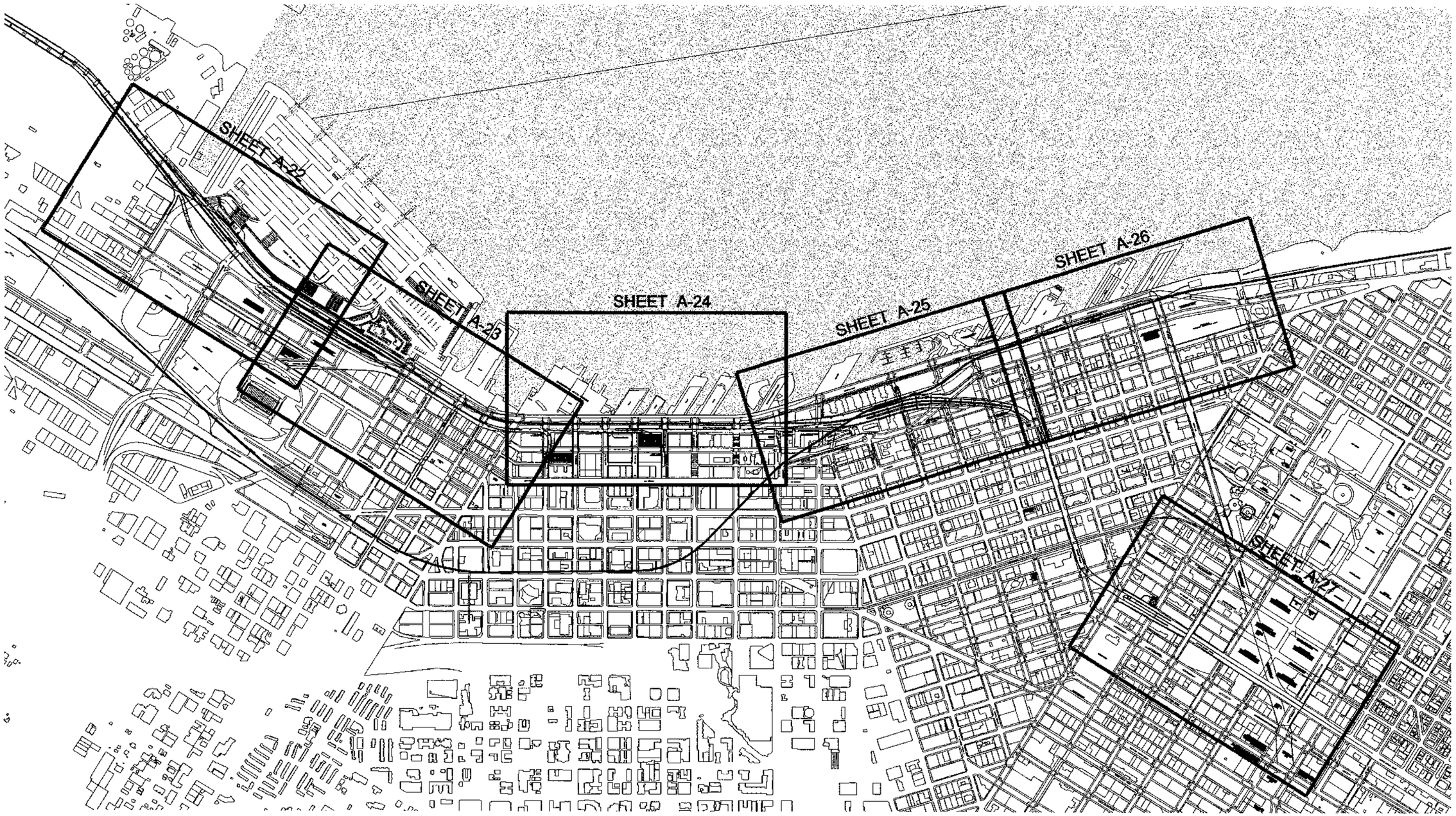


NOTE:
STRUCTURES AND STREET CHANNELIZATION SHOWN BEYOND THE PROJECT BOUNDARY ARE ONLY FOR THE PURPOSE OF ESTABLISHING THE CONTEXT FOR IMPROVEMENTS WITHIN THE PROJECT AREA

0 100 200
SCALE IN FEET

NOTE:
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ALASKAN WAY VIADUCT & SEAWALL REPLACEMENT PROJECT
SEATTLE, WA

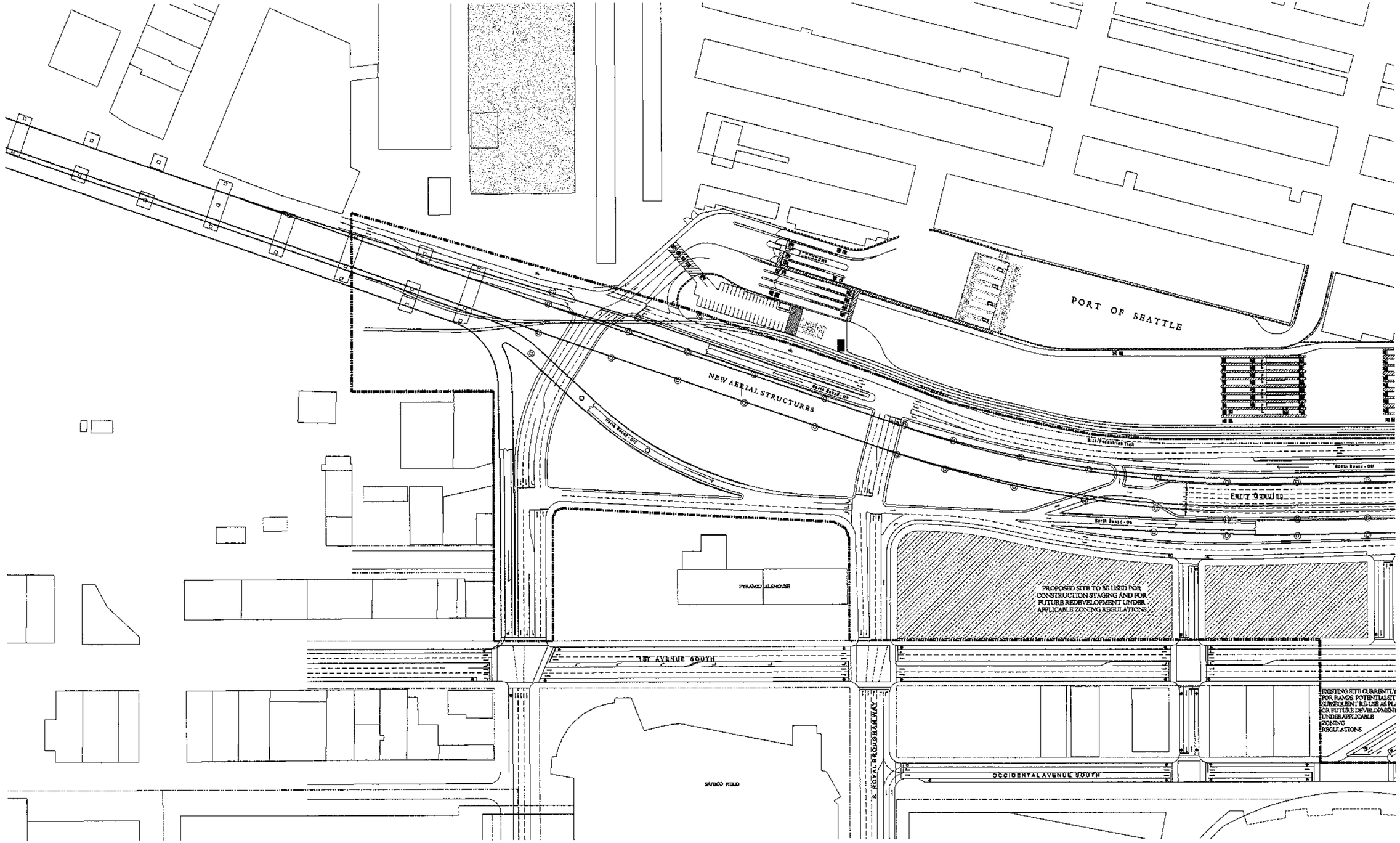
CONCEPTUAL DESIGN - NOT FOR CONSTRUCTION

AERIAL ALTERNATIVE
KEYPLAN PLAN

SHEET FIGURE NO
A-21

PLOTTING DATE : 030204

FILENAME: :\\ROMA DESIGN GROUP\G4\PROJECTS\1273 SEATTLE AWV\ACAD\SHEETS\AERIAL\AR-KEYPLAN.DWG




PLOTTING DATE : 030204

NOTE:
STRUCTURES AND STREET CHANNELIZATION SHOWN BEYOND THE PROJECT BOUNDARY ARE ONLY FOR THE PURPOSE OF ESTABLISHING THE CONTEXT FOR IMPROVEMENTS WITHIN THE PROJECT AREA

0 100 200
SCALE IN FEET

NOTE:
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ALASKAN WAY VIADUCT & SEAWALL REPLACEMENT PROJECT
SEATTLE, WA

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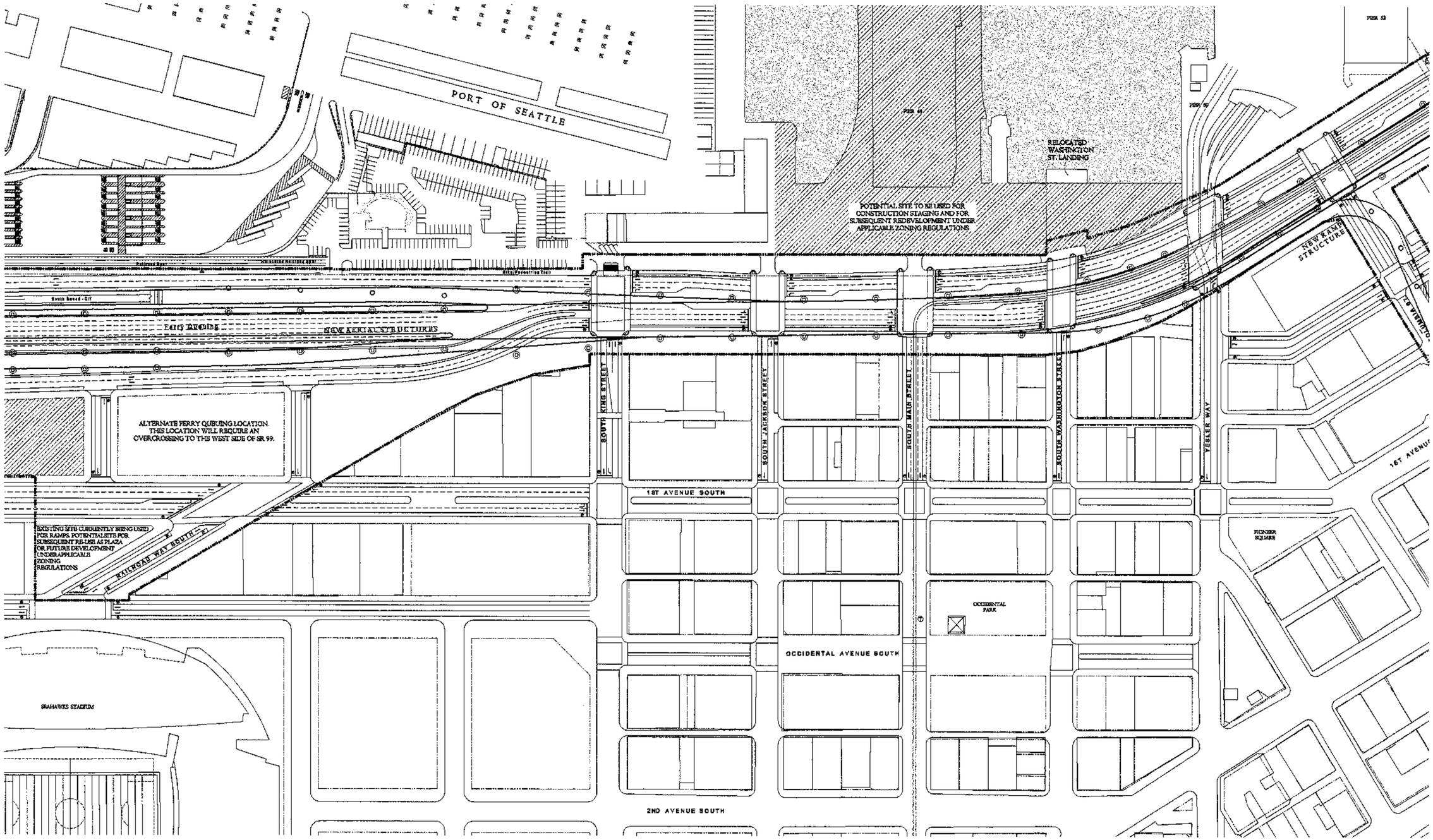
AERIAL ALTERNATIVE
S. ATLANTIC TO RAILROAD WAY SOUTH

SHEET FIGURE NO
A-22

FILENAME: :\\ROMA DESIGN GROUP\G4\PROJECTS\1273 SEATTLE AWV\ACAD\SHEETS\AERIAL\AR-SOUTH.DWG




NOTE:
STRUCTURES AND STREET CHANNELIZATION SHOWN BEYOND THE PROJECT BOUNDARY ARE ONLY FOR THE PURPOSE OF ESTABLISHING THE CONTEXT FOR IMPROVEMENTS WITHIN THE PROJECT AREA

0 100 200
SCALE IN FEET

NOTE:
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PLOTTING DATE : 030204

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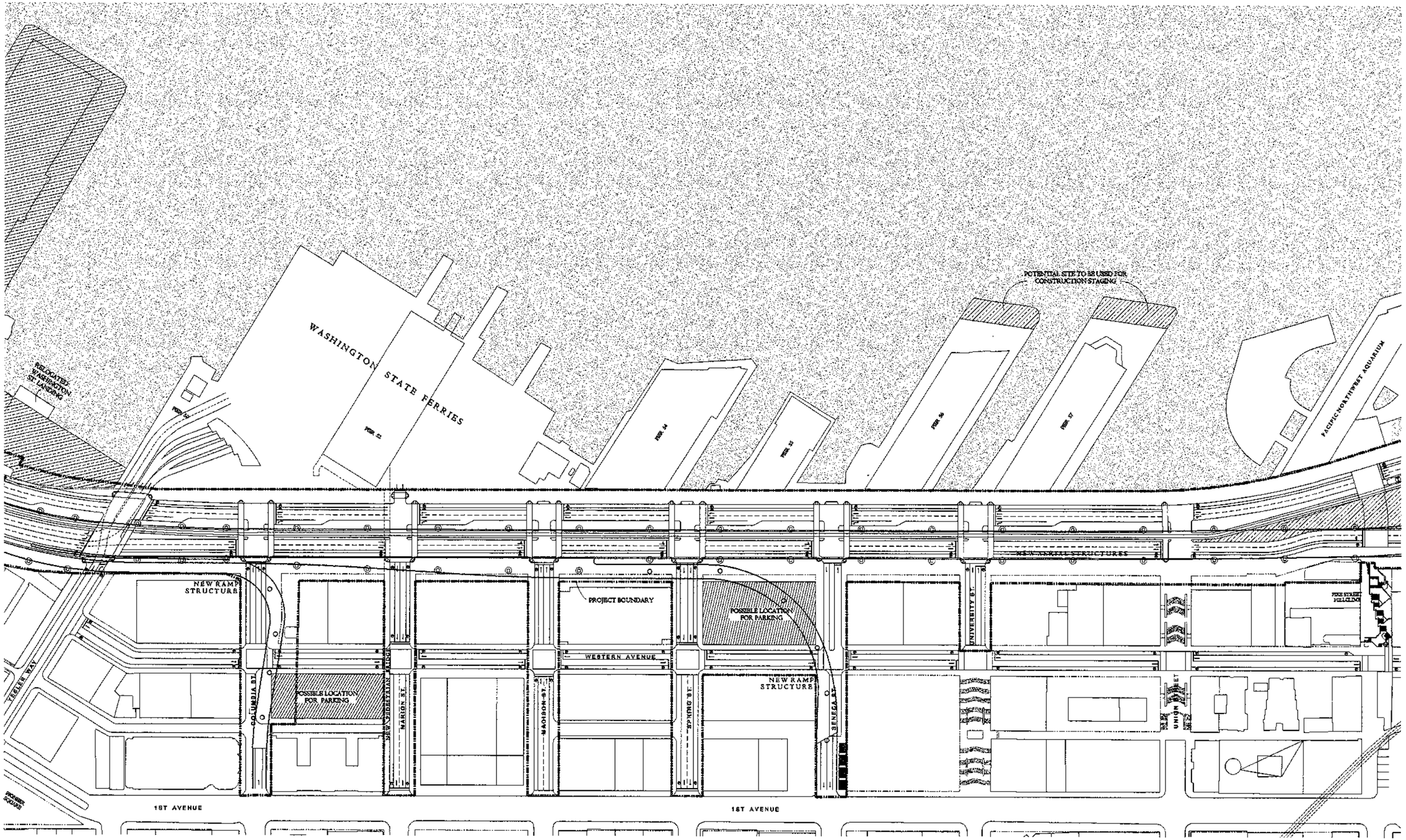
CONCEPTUAL DESIGN - NOT FOR CONSTRUCTION

# AERIAL ALTERNATIVE
# RAILROAD WAY SOUTH TO YESLER

SHEET FIGURE NO
A-23

FILENAME: :\\ROMA DESIGN GROUP\G4\PROJECTS\1273 SEATTLE AWV\ACAD\SHEETS\AERIAL\AR-SOUTH.DWG




NOTE:
STRUCTURES AND STREET CHANNELIZATION SHOWN BEYOND THE PROJECT BOUNDARY ARE ONLY FOR THE PURPOSE OF ESTABLISHING THE CONTEXT FOR IMPROVEMENTS WITHIN THE PROJECT AREA

0 100 200
SCALE IN FEET

NOTE:
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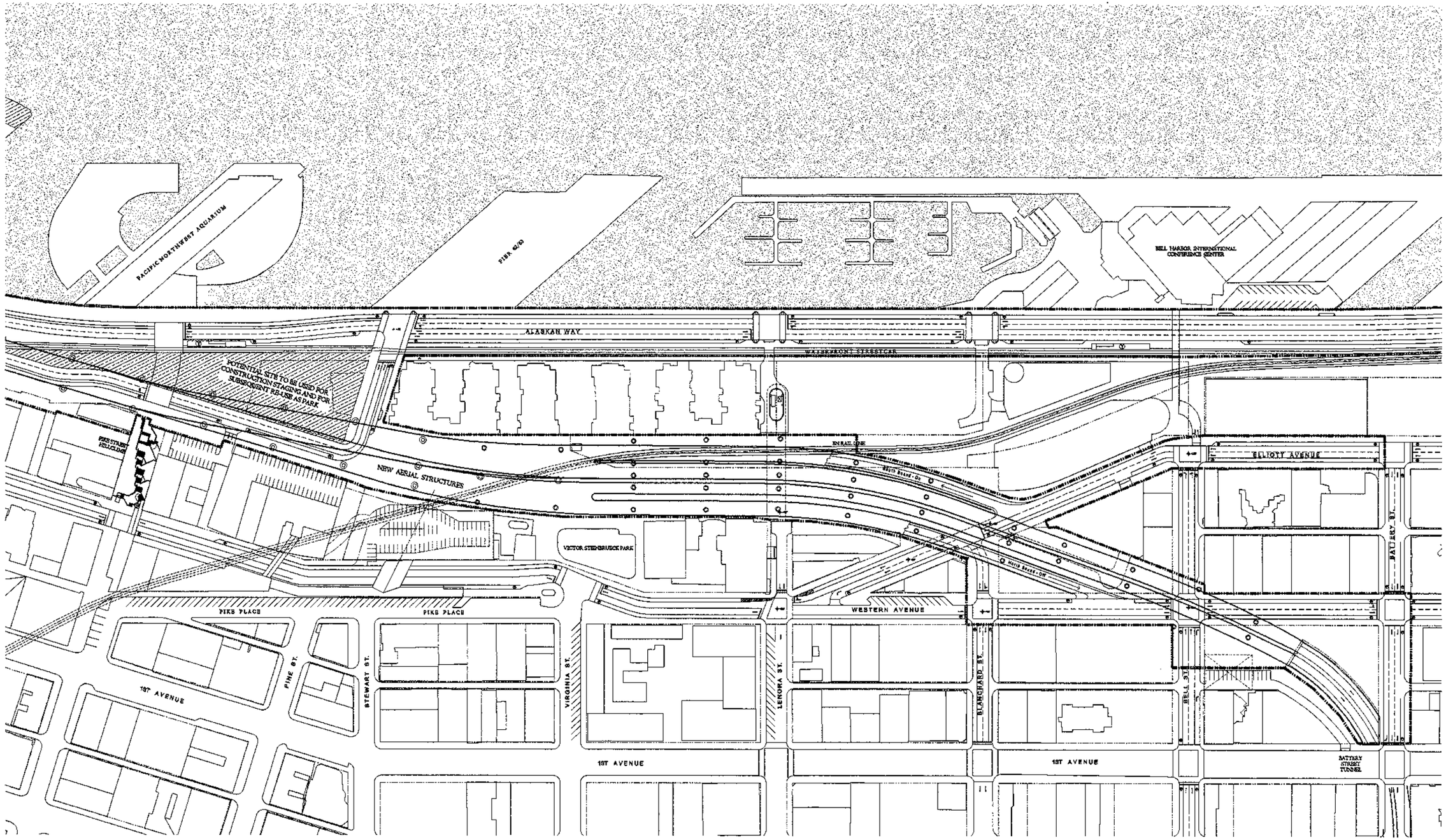
SEATTLE, WA

CONCEPTUAL DESIGN - NOT FOR CONSTRUCTION

AERIAL ALTERNATIVE
YESLER TO PIKE

SHEET FIGURE NO
A-24

FILENAME: :\\ROMA DESIGN GROUP\G4\PROJECTS\1273 SEATTLE AWV\ACAD\SHEETS\AERIAL\AR.DWG




PLOTTING DATE : 030204

0 100 200
SCALE IN FEET

NOTE:
STRUCTURES AND STREET CHANNELIZATION SHOWN BEYOND THE PROJECT BOUNDARY ARE ONLY FOR THE PURPOSE OF ESTABLISHING THE CONTEXT FOR IMPROVEMENTS WITHIN THE PROJECT AREA

NOTE:
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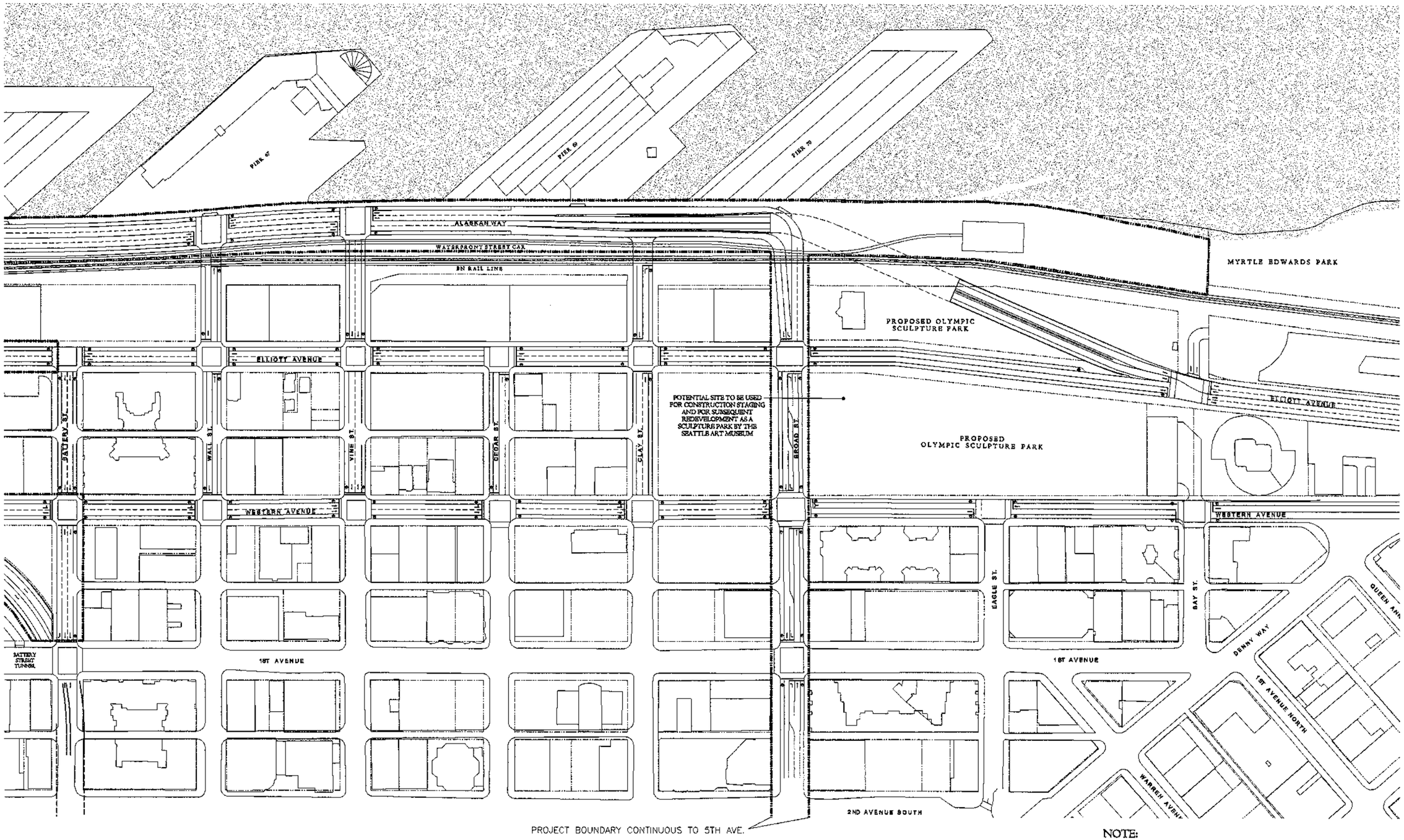
ALASKAN WAY VIADUCT & SEAWALL REPLACEMENT PROJECT
SEATTLE, WA

CONCEPTUAL DESIGN - NOT FOR CONSTRUCTION

AERIAL ALTERNATIVE
PIKE TO BATTERY

SHEET FIGURE NO
A-25

FILENAME: :\\ROMA DESIGN GROUP\G4\PROJECTS\1273 SEATTLE AWV\ACAD\SHEETS\AERIAL\AR.DWG




PLOTTING DATE : 030204

NOTE:
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NOTE:
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SEATTLE, WA

CONCEPTUAL DESIGN - NOT FOR CONSTRUCTION

# AERIAL ALTERNATIVE
# BATTERY TO SCULPTURE PARK

SHEET FIGURE NO
A-26

FILENAME: :\\ROMA DESIGN GROUP\G4\PROJECTS\1273 SEATTLE AWV\ACAD\SHEETS\AERIAL\AR.DWG

5TH AVENUE NORTH
TAYLOR AVENUE NORTH
6TH AVENUE NORTH
AURORA AVENUE NORTH
DEXTER AVENUE NORTH
8TH AVENUE NORTH
THOMAS ST.
HARRISON ST.
MERCER ST.
ROY ST.
HARRISON STREET
MERCER STREET
DEMOLISH BROAD ST. AND BACKFILL TO SURFACE
SKATE PARK (E)
BASKETBALL COURT (E)
POTENTIAL SITE FOR CONSTRUCTION STAGING AND FOR FUTURE REDEVELOPMENT UNDER APPLICABLE ZONING REGULATIONS
POTENTIAL RECONNECTION OF GRID. NOT A PART OF THE PROJECT
SEATTLE CITY LIGHT
EXISTING BROAD ST. R.O.W.
POTENTIAL 6TH AVE. BRIDGE NOT A PART OF THE PROJECT
SUPPORT BUILDING
DENNY PARK
DEVELOPMENT OPPORTUNITY AREA
THE CONTINUATION OF A WIDENED TWO-WAY MERCER ST. EAST OF DEXTER IS NOT PART OF THIS PROJECT. IT IS ONE OF MANY OPTIONS BEING CONSIDERED BY THE CITY OF SEATTLE.
BROAD ST. DEMOLISHED AND BACKFILLED TO SURFACE AND CURBS OF ADJACENT STREETS RE-ESTABLISHED
THE BROAD ST. ON AND OFF RAMPS EAST OF 8TH ST. WILL NO LONGER BE USABLE DUE TO CLOSURE OF BROAD ST. EAST OF 5TH AVENUE NORTH.

0 100 200
SCALE IN FEET

NOTE:
STRUCTURES AND STREET CHANNELIZATION SHOWN BEYOND THE PROJECT BOUNDARY ARE ONLY FOR THE PURPOSE OF ESTABLISHING THE CONTEXT FOR IMPROVEMENTS WITHIN THE PROJECT AREA

NOTE:
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SEATTLE, WA

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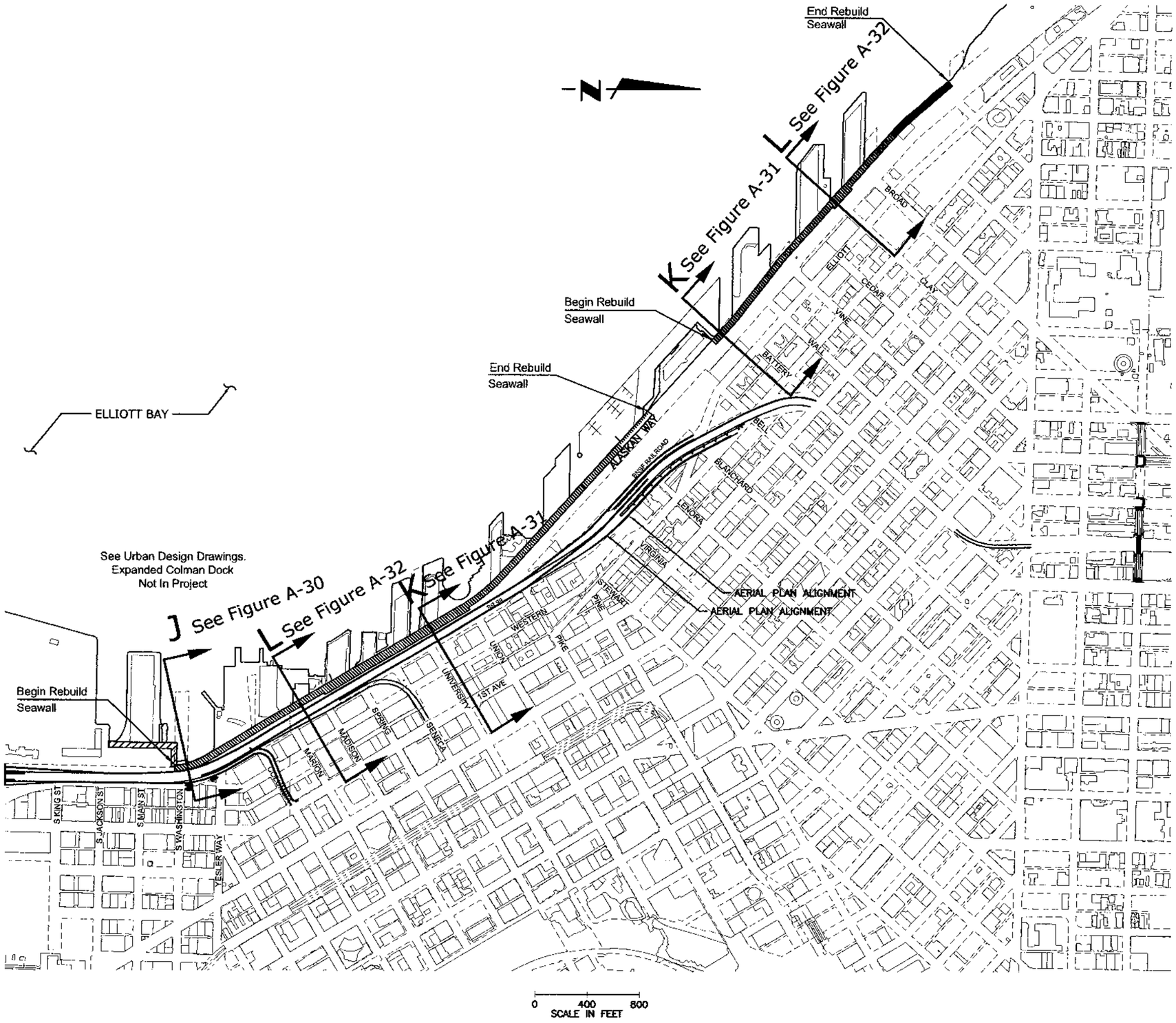
# AERIAL ALTERNATIVE
# NORTH OF THE BATTERY STREET TUNNEL

SHEET FIGURE NO
A-27

FILENAME: :\\ROMA DESIGN GROUP\G4\PROJECTS\1273 SEATTLE AWV\ACAD\SHEETS\AERIAL\AR-SLU.DWG




PLOTTING DATE : 022304 09:34

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City of Seattle

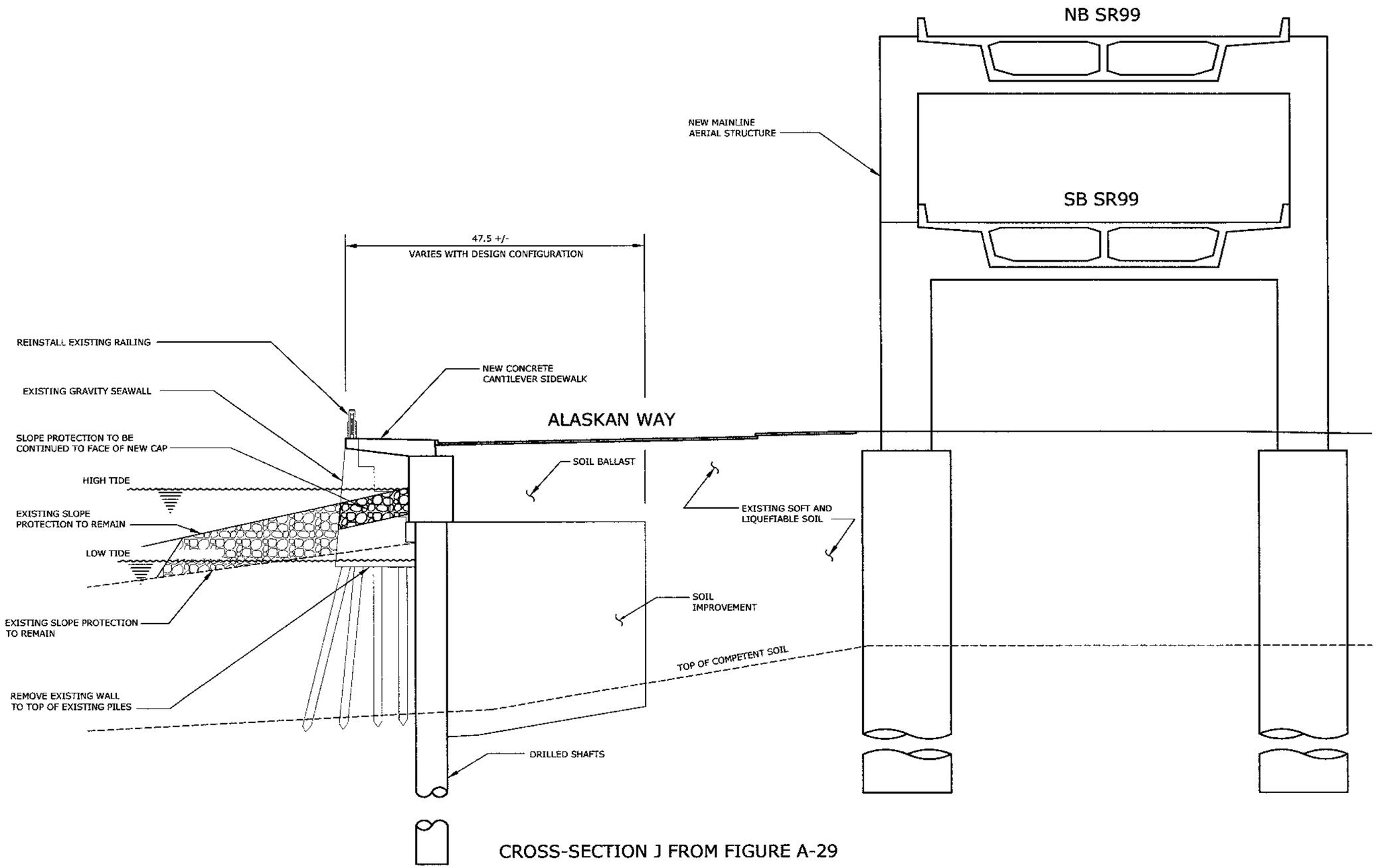
ALASKAN WAY VIADUCT & SEAWALL REPLACEMENT PROJECT
SEATTLE, WA

CONCEPTUAL DESIGN - NOT FOR CONSTRUCTION

AERIAL ALTERNATIVE
SEAWALL REPLACEMENT PLAN

FIGURE NO
A-29

FILENAME: U:\CADD\25314S2_ACAD\SHT\DEIS_FIGS\A\A-29.DWG




CROSS-SECTION J FROM FIGURE A-29
SEAWALL REBUILD AT EXISTING GRAVITY WALL

GRAPHIC SCALE

0 8 16 24 32 48

SCALE IN FEET

PLOTTING DATE : 020304 13:48

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SEATTLE, WA

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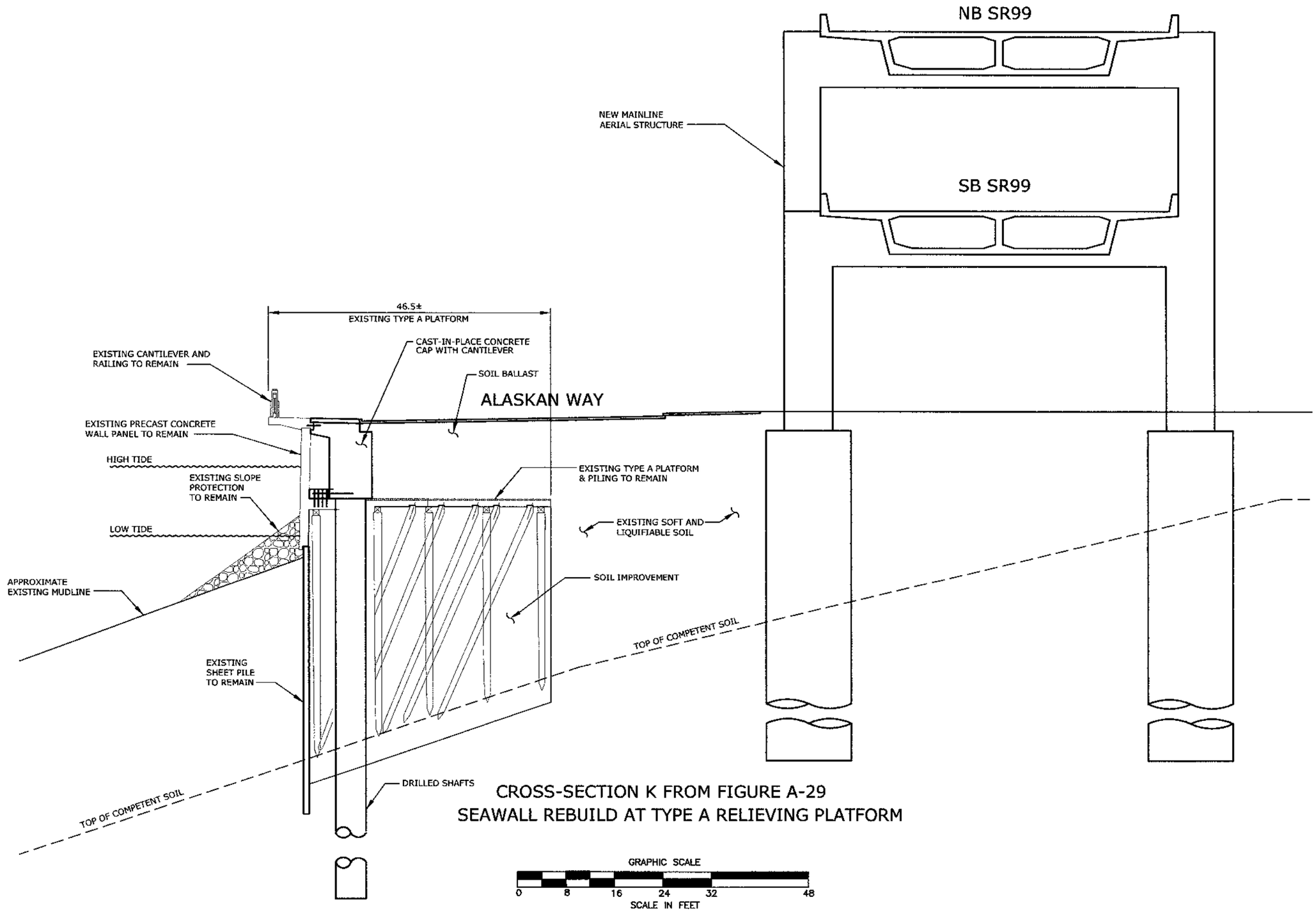
AERIAL ALTERNATIVE
SEAWALL SECTION AT EXISTING GRAVITY WALL

FIGURE NO
A-30

FILENAME: U:\CADD\25314S2_ACAD\SHT\DEIS_FIGS\A\A-30.DWG




CROSS-SECTION K FROM FIGURE A-29
SEAWALL REBUILD AT TYPE A RELIEVING PLATFORM

PLOTTING DATE : 020304 13:49

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City of Seattle

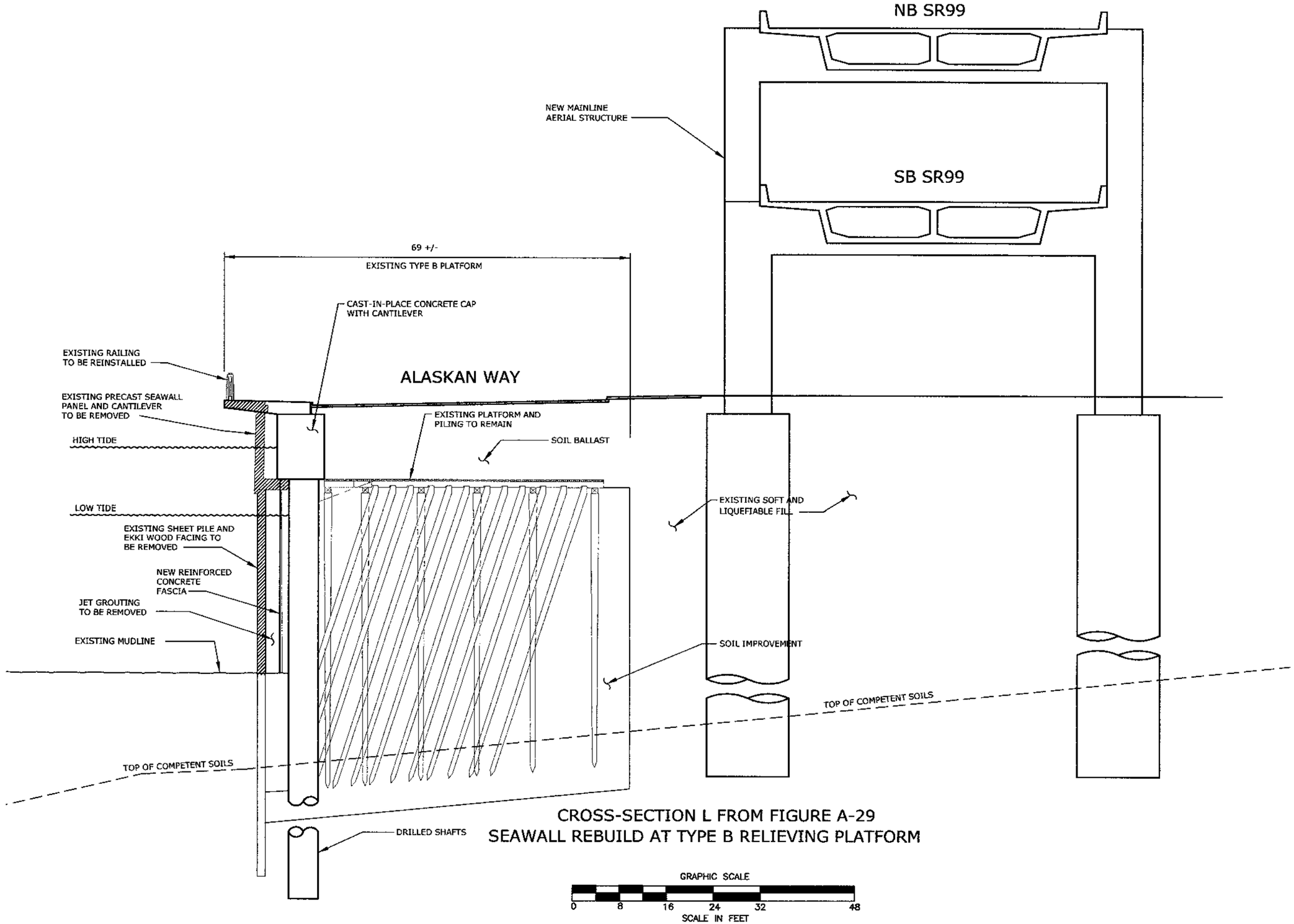
ALASKAN WAY VIADUCT & SEAWALL REPLACEMENT PROJECT
SEATTLE, WA

CONCEPTUAL DESIGN - NOT FOR CONSTRUCTION

AERIAL ALTERNATIVE
SECTION: SEAWALL TYPE A

FIGURE NO
A-31

FILENAME: U:\CADD\25314S2_ACAD\SHT\DEIS_FIGS\A\A-31.DWG




CROSS-SECTION L FROM FIGURE A-29
SEAWALL REBUILD AT TYPE B RELIEVING PLATFORM

PLOTTING DATE : 020304 13:49

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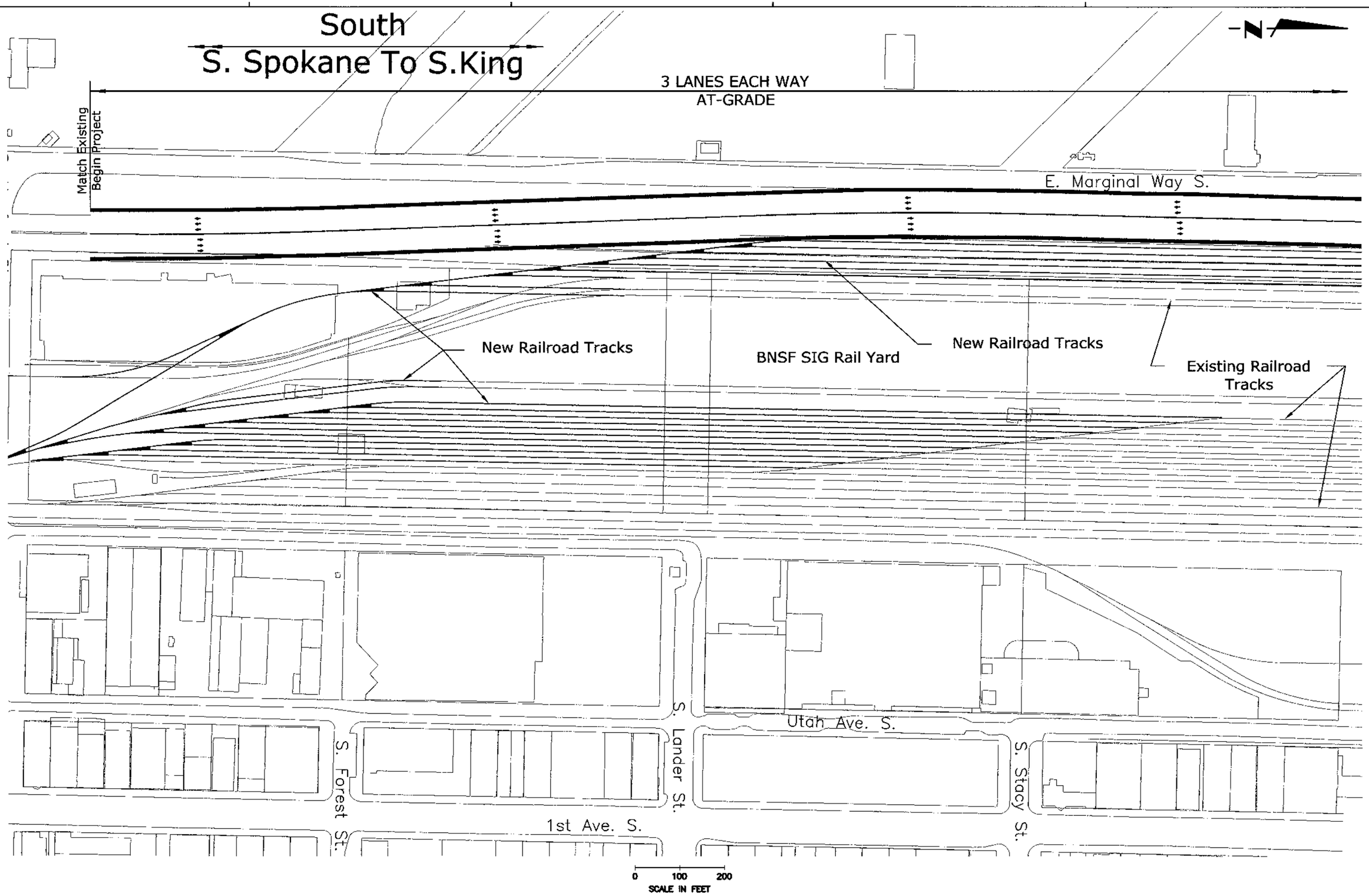
CONCEPTUAL DESIGN - NOT FOR CONSTRUCTION

AERIAL ALTERNATIVE
SECTION: SEAWALL TYPE B

FIGURE NO
A-32

FILENAME: U:\CADD\253145S2_ACAD\SHT\DEIS_FIGS\A\A-32.DWG




PLOTTING DATE : 020304 14:

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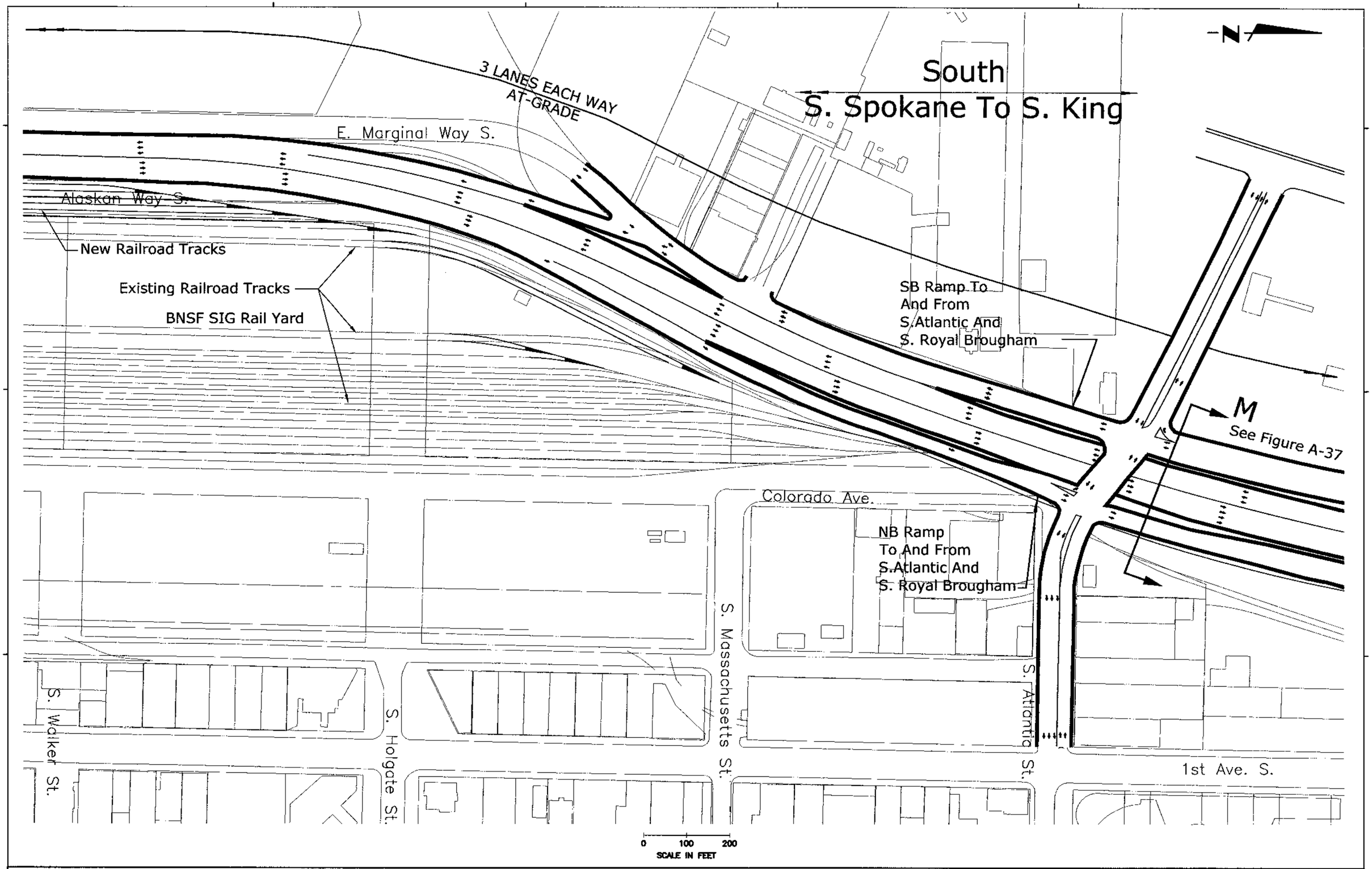
ALASKAN WAY VIADUCT & SEAWALL REPLACEMENT PROJECT
SEATTLE, WA

CONCEPTUAL DESIGN - NOT FOR CONSTRUCTION

AERIAL OPTION
HANFORD TO WALKER

FIGURE NO
A-33

FILENAME: U:\CADD\25314S2_ACAD\SHT\DEIS_FIGS\A\A-33.DWG

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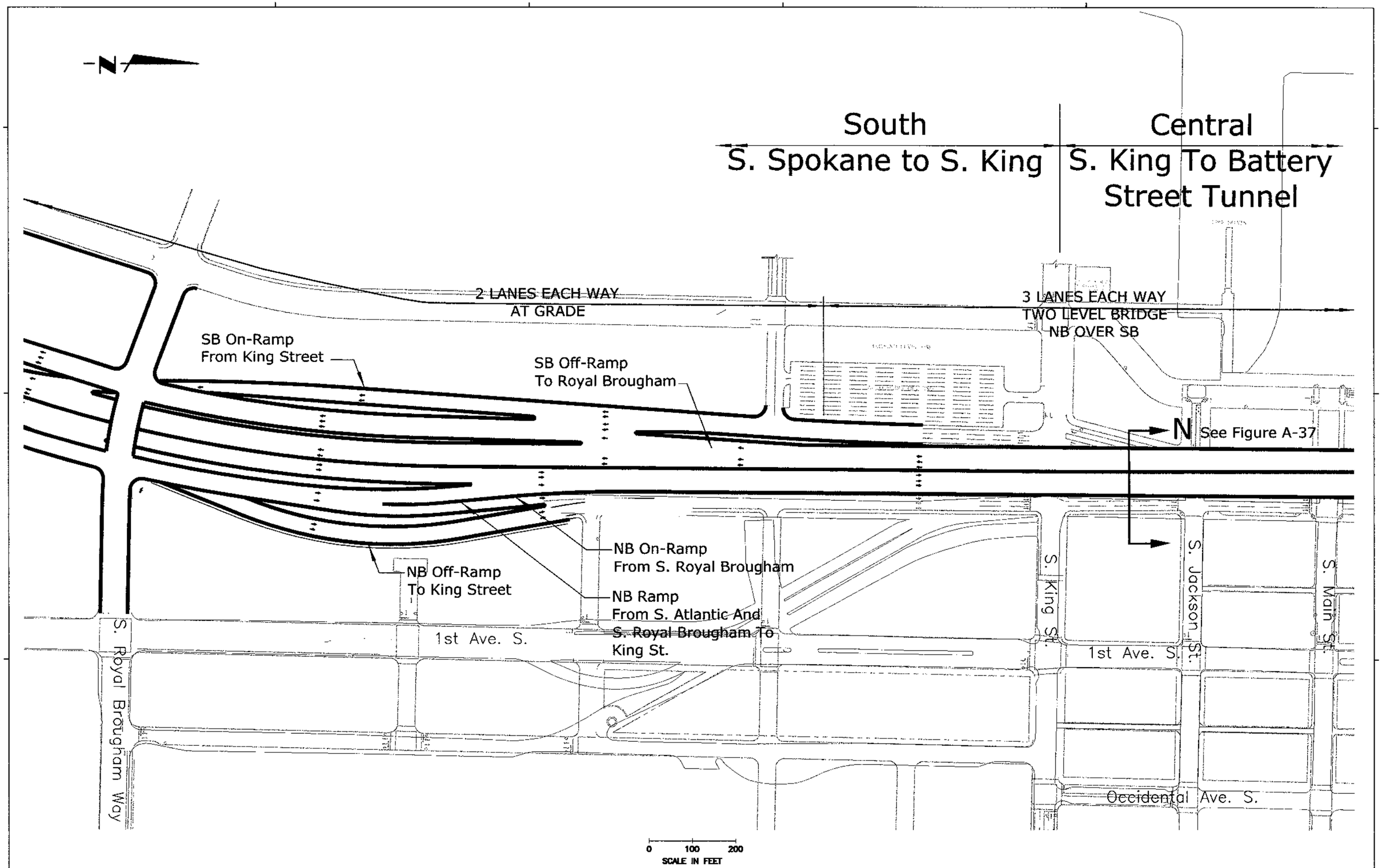
AERIAL OPTION
WALKER TO ATLANTIC

FIGURE NO
A-34

FILENAME: U:\CADD\25314S2_ACAD\SHT\DEIS_FIGS\A\A-34.DWG

PLOTTING DATE : 020304 14:

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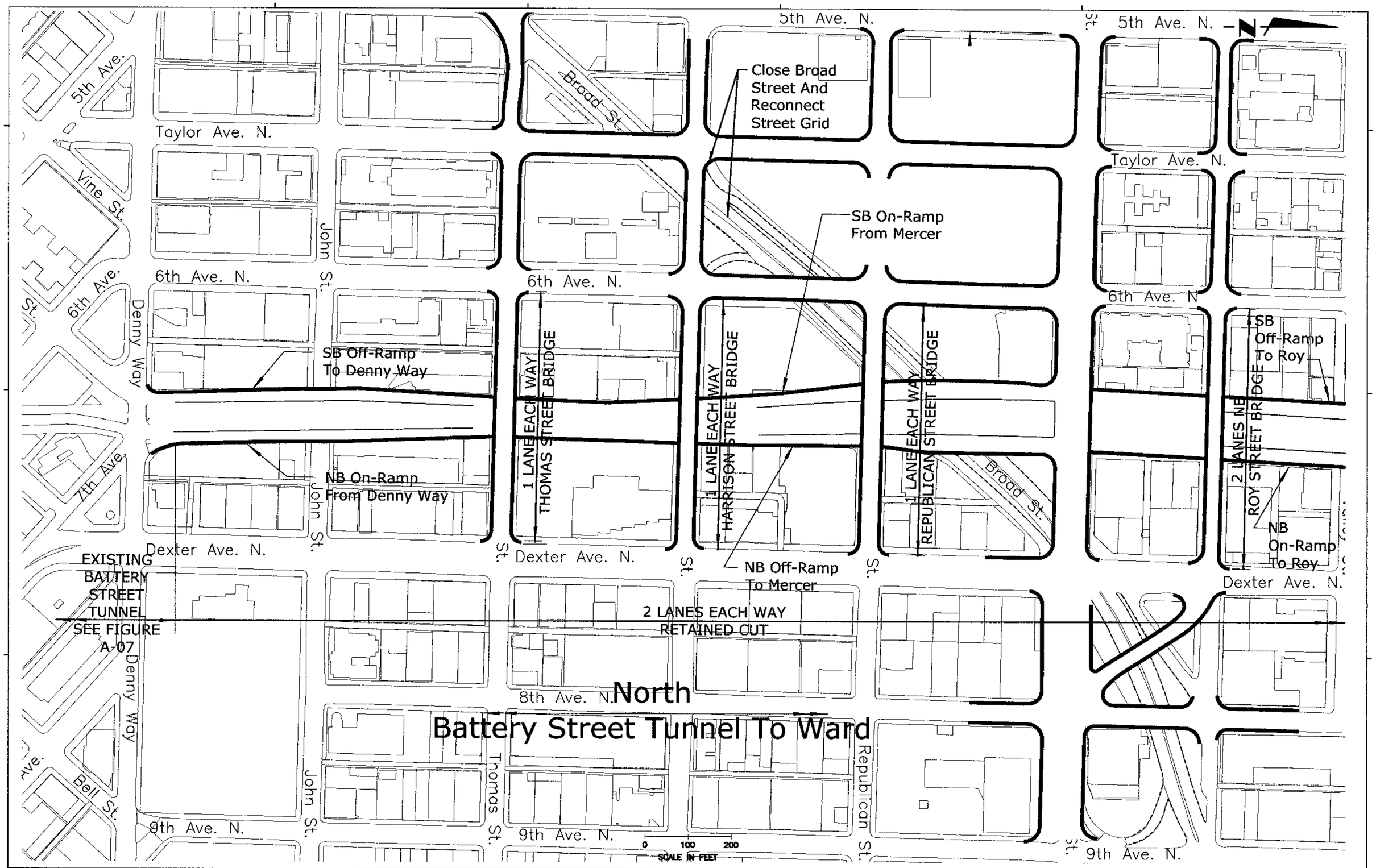
AERIAL OPTION
S. ROYAL BROUGHAM TO S. MAIN

FIGURE NO
A-35

FILENAME: U:\CADD\25314S2_ACAD\SHT\DEIS_FIGS\A\A-35.DWG

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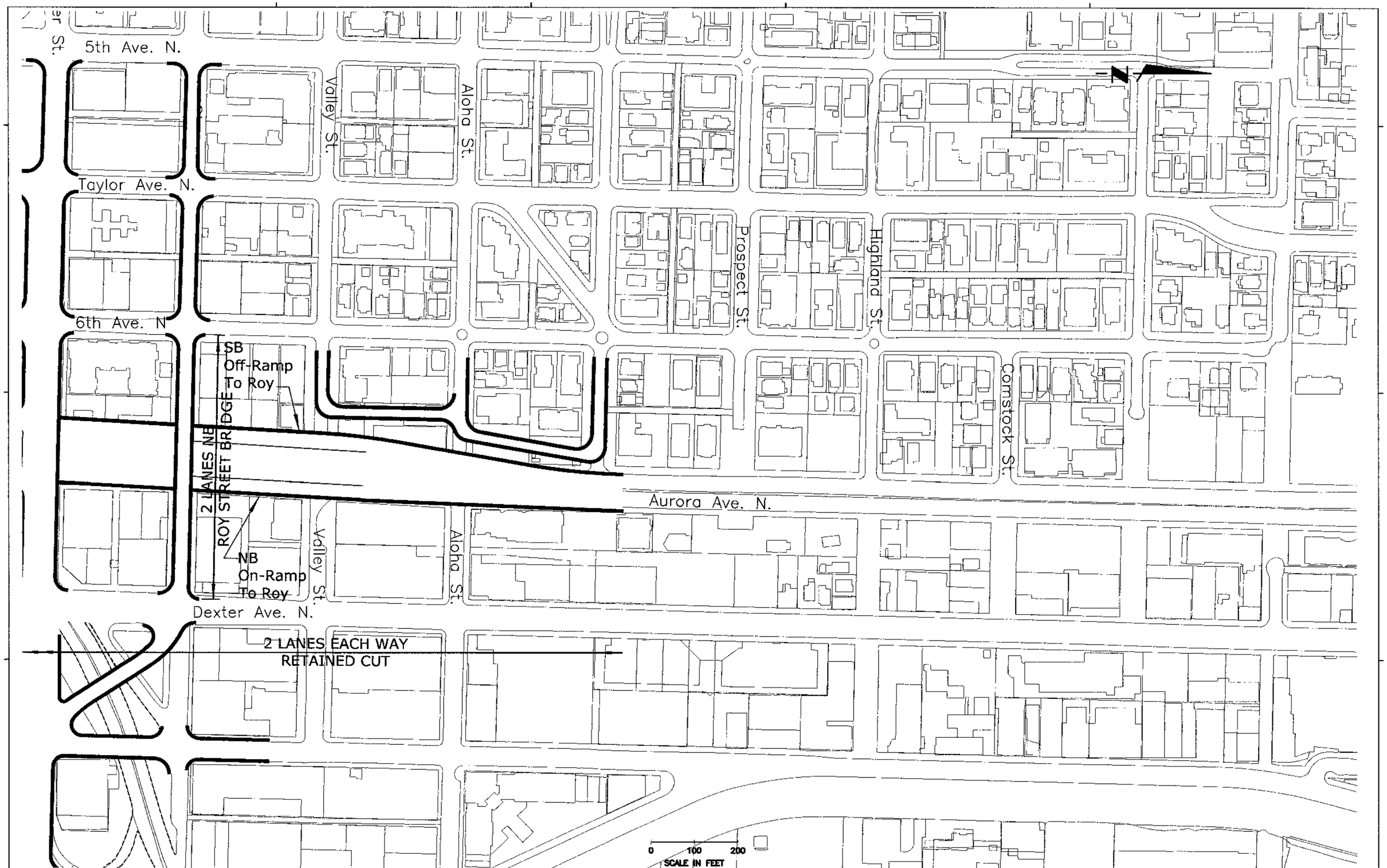
AERIAL OPTION
LOWERED AURORA AND STREET GRID RECONNECTION

FIGURE NO A-36

PLOTTING DATE : 020304 14:

FILENAME: U:\CADD\25314S2_ACAD\SHT\DEIS_FIGS\A\A-36.DWG

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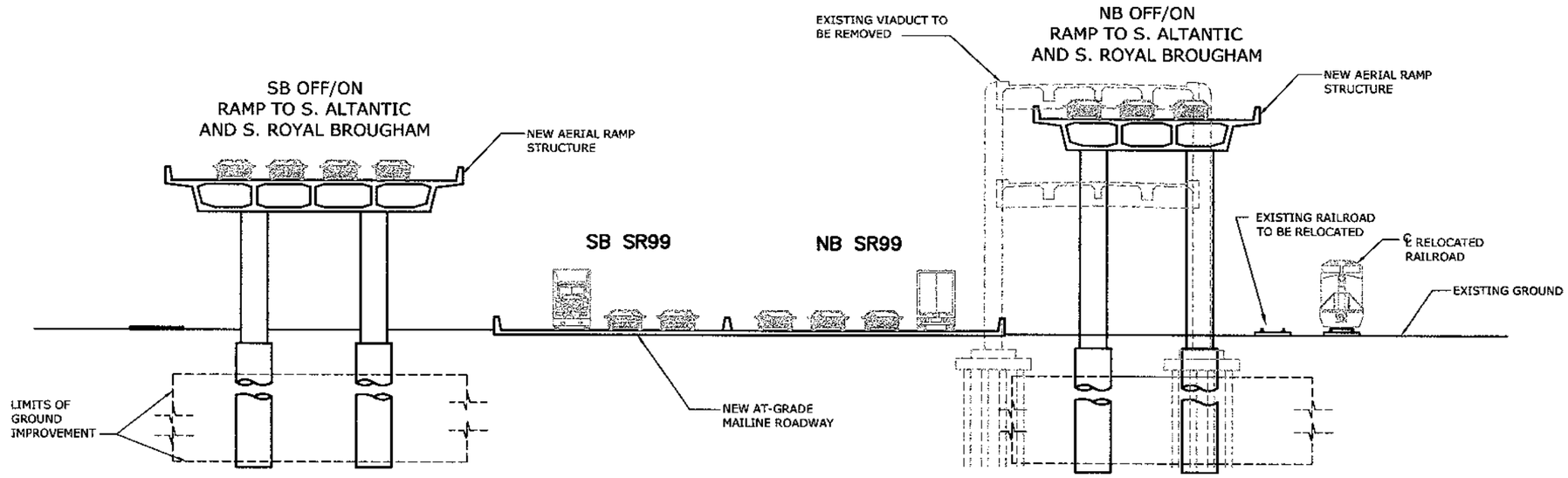
CONCEPTUAL DESIGN - NOT FOR CONSTRUCTION

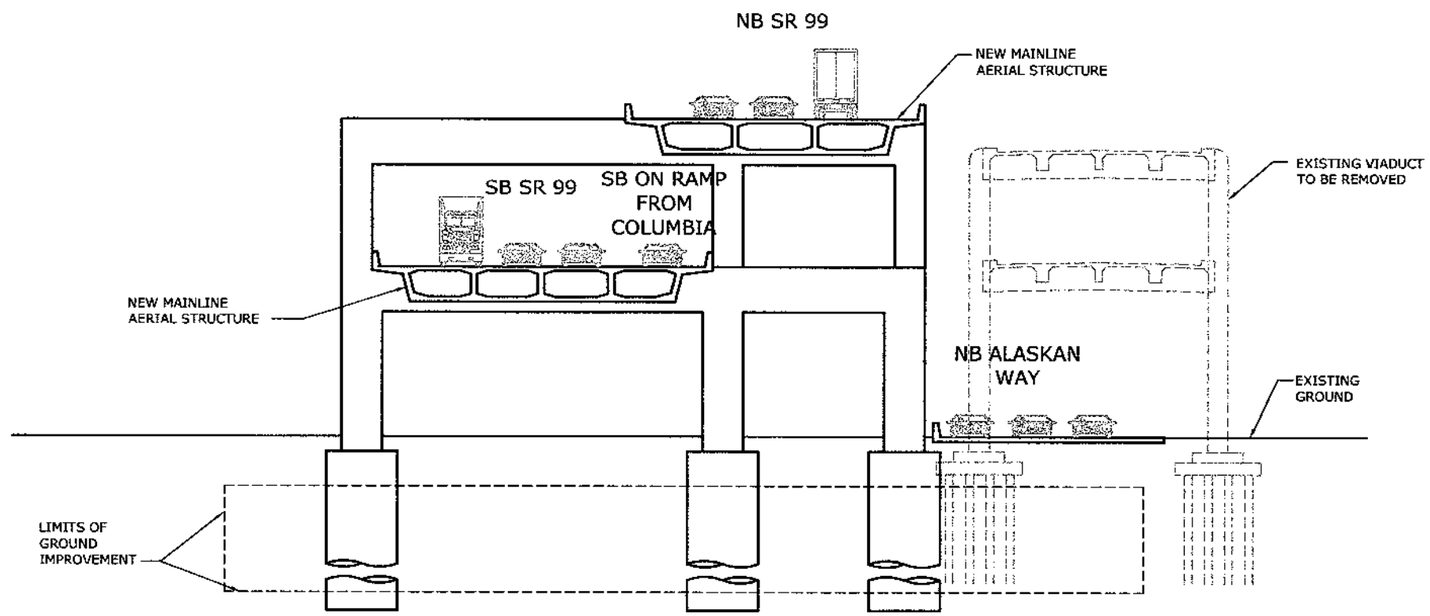
AERIAL OPTION
LOWERED AURORA AND STREET GRID RECONNECTION

FIGURE NO
A-36A

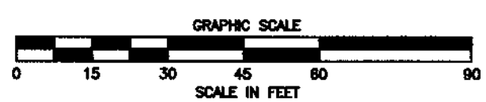
FILENAME: U:\CADD\25314S2_ACAD\SHT\DEIS_FIGS\A\A-36A.DWG




CROSS–SECTION M FROM FIGURE A–34




CROSS–SECTION N FROM FIGURE A–35

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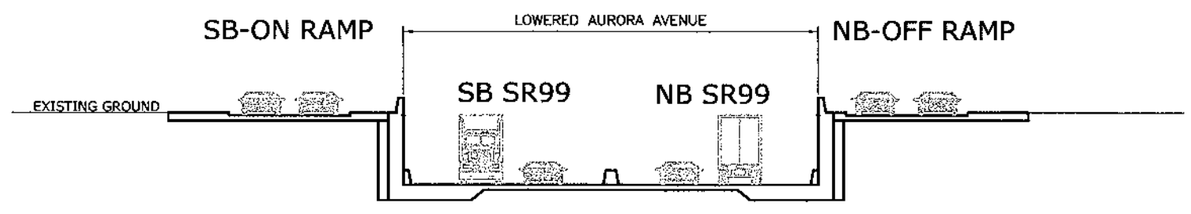
AERIAL ALTERNATIVE
CROSS SECTION, FROM FIGURES A-34,A-35

FIGURE NO
A-37

PLOTTING DATE : 020304 13:57

FILENAME: U:\CADD\25314S2_ACAD\SHT\DEIS_FIGS\A\A-37.DWG




CROSS-SECTION P FROM FIGURE A-36

GRAPHIC SCALE

0 15 30 45 60 90

SCALE IN FEET

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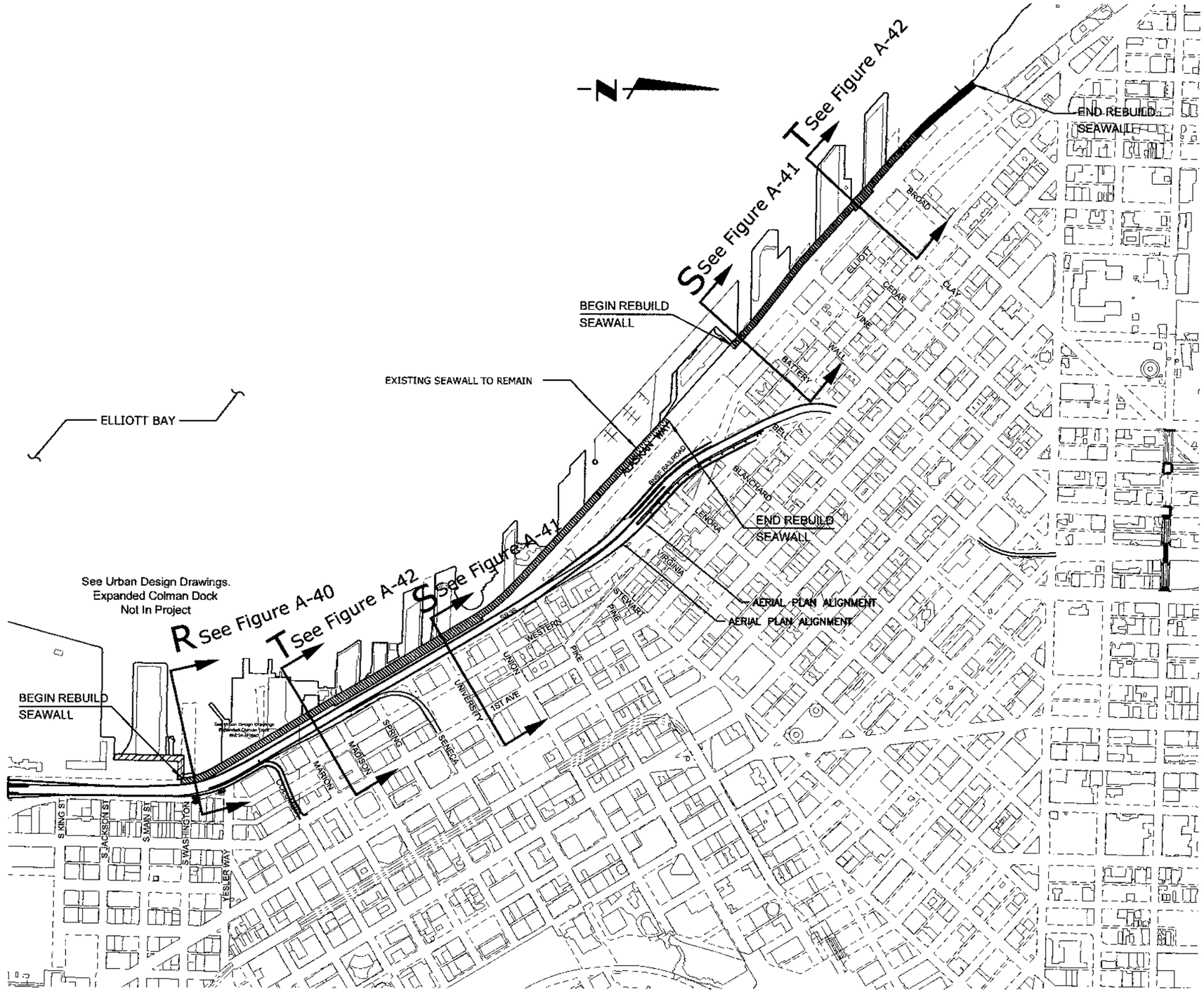
AERIAL ALTERNATIVE
CROSS-SECTIONS, FROM SHEET A-36

FIGURE NO
A-38

PLOTTING DATE : 020304 13:57

FILENAME: U:\CADD\25314S2_ACAD\SHT\DEIS_FIGS\A\A-38.DWG

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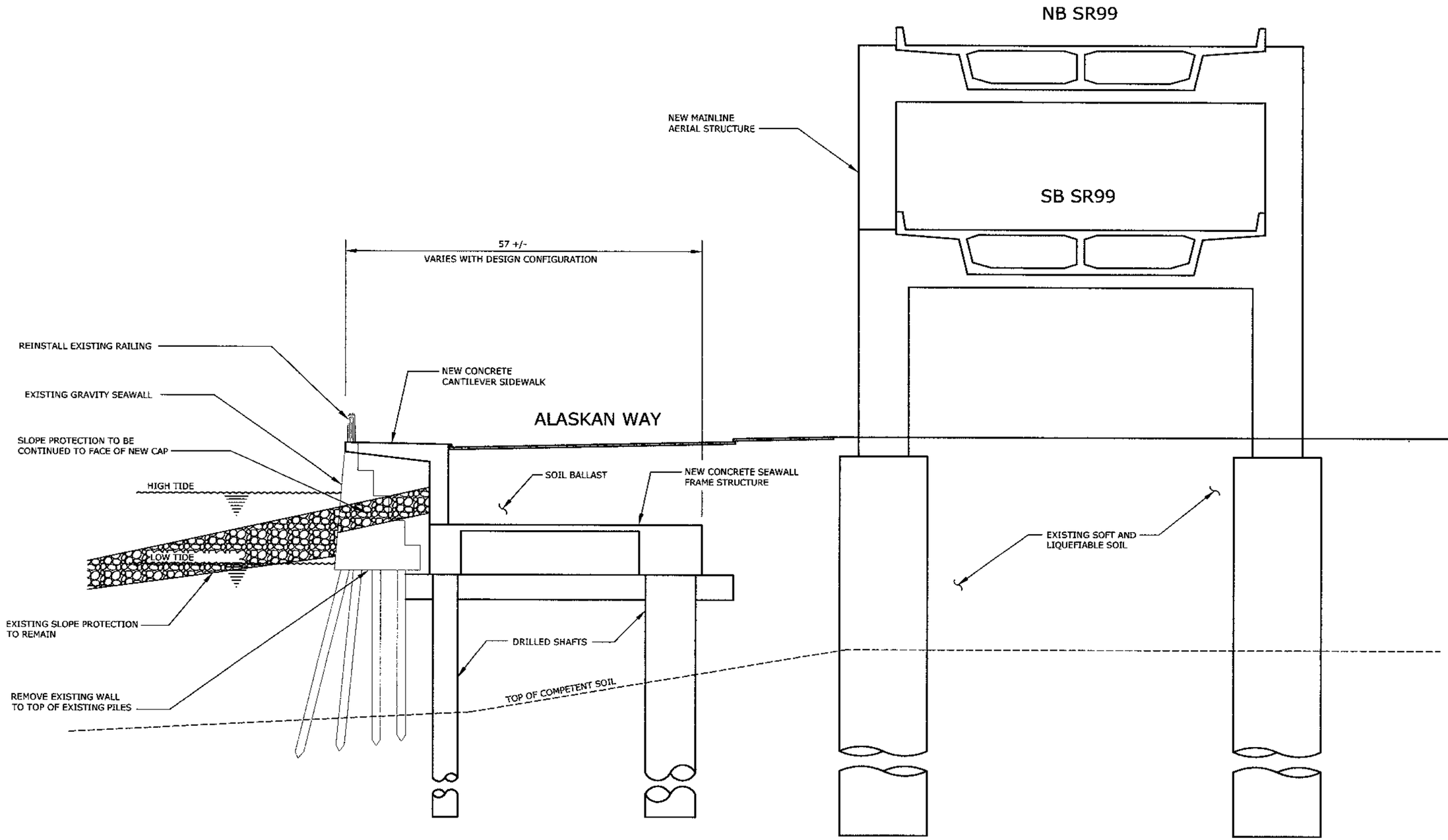
CONCEPTUAL DESIGN - NOT FOR CONSTRUCTION

# AERIAL OPTION
# SEAWALL REPLACEMENT PLAN

FIGURE NO
A-39

FILENAME: U:\CADD\25314S2_ACAD\SHT\DEIS_FIGS\A\A-39.DWG

PLOTTING DATE : 022304 09:36




CROSS-SECTION R FROM FIGURE A-39
SEAWALL FRAME AT EXISTING GRAVITY WALL

GRAPHIC SCALE

0 8 16 24 32 48

SCALE IN FEET

PLOTTING DATE : 020304 14:00

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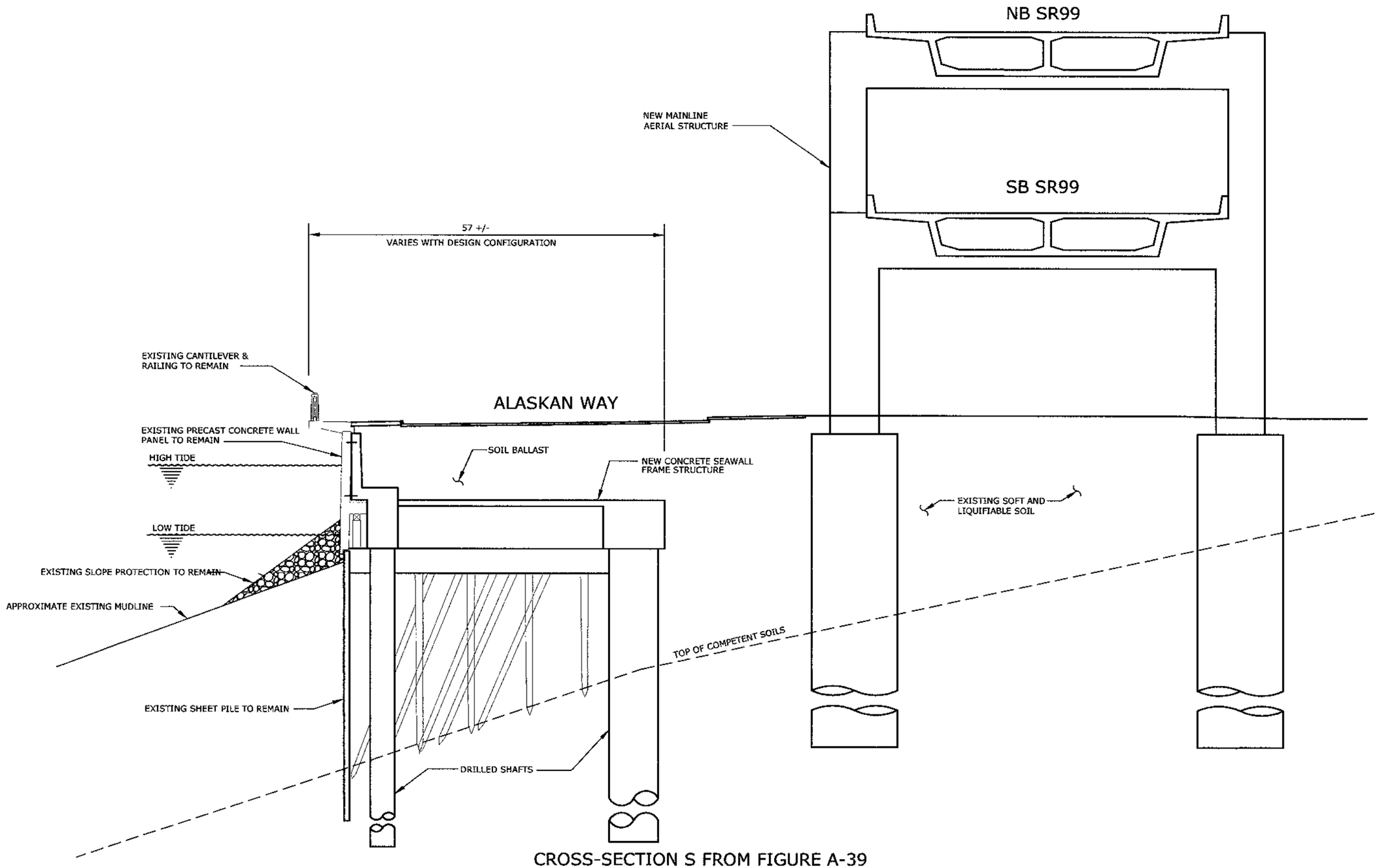
AERIAL OPTION
SEAWALL SECTION AT EXISTING GRAVITY WALL

FIGURE NO
A-40

FILENAME: U:\CADD\25314S2_ACAD\SHT\DEIS_FIGS\A\A-40.DWG




CROSS-SECTION S FROM FIGURE A-39
SEAWALL FRAME AT TYPE A RELIEVING PLATFORM

GRAPHIC SCALE
0 8 16 24 32 48
SCALE IN FEET

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ALASKAN WAY VIADUCT & SEAWALL REPLACEMENT PROJECT
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AERIAL OPTION
SECTION: SEAWALL TYPE A

FIGURE NO
A-41

PLOTTING DATE : 020304 14:01

FILENAME: U:\CADD\25314S2_ACAD\SHT\DEIS_FIGS\A\A-41.DWG

NB SR99

NEW MAINLINE AERIAL STRUCTURE

SB SR99

81 +/-

VARIES WITH DESIGN CONFIGURATION

EXISTING RAILING TO BE REINSTALLED

ALASKAN WAY

SOIL BALLAST

EXISTING SEAWALL PANEL AND CANTILEVER SLAB TO BE REMOVED

HIGH TIDE

NEW CONCRETE SEAWALL FRAME STRUCTURE

LOW TIDE

EXISTING SOFT AND LIQUIFIABLE SOIL

NEW REINFORCED CONCRETE FACIA

EXISTING SHEET PILE AND WOOD FACING TO BE REMOVED

APPROXIMATE EXISTING MUDLINE

TOP OF COMPETENT SOIL

DRILLED SHAFTS

CROSS-SECTION T FROM FIGURE A-39

SEAWALL FRAME AT TYPE B RELIEVING PLATFORM

GRAPHIC SCALE

0 8 16 24 32 48

SCALE IN FEET

PLOTTING DATE : 020304 14:01

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SEATTLE, WA

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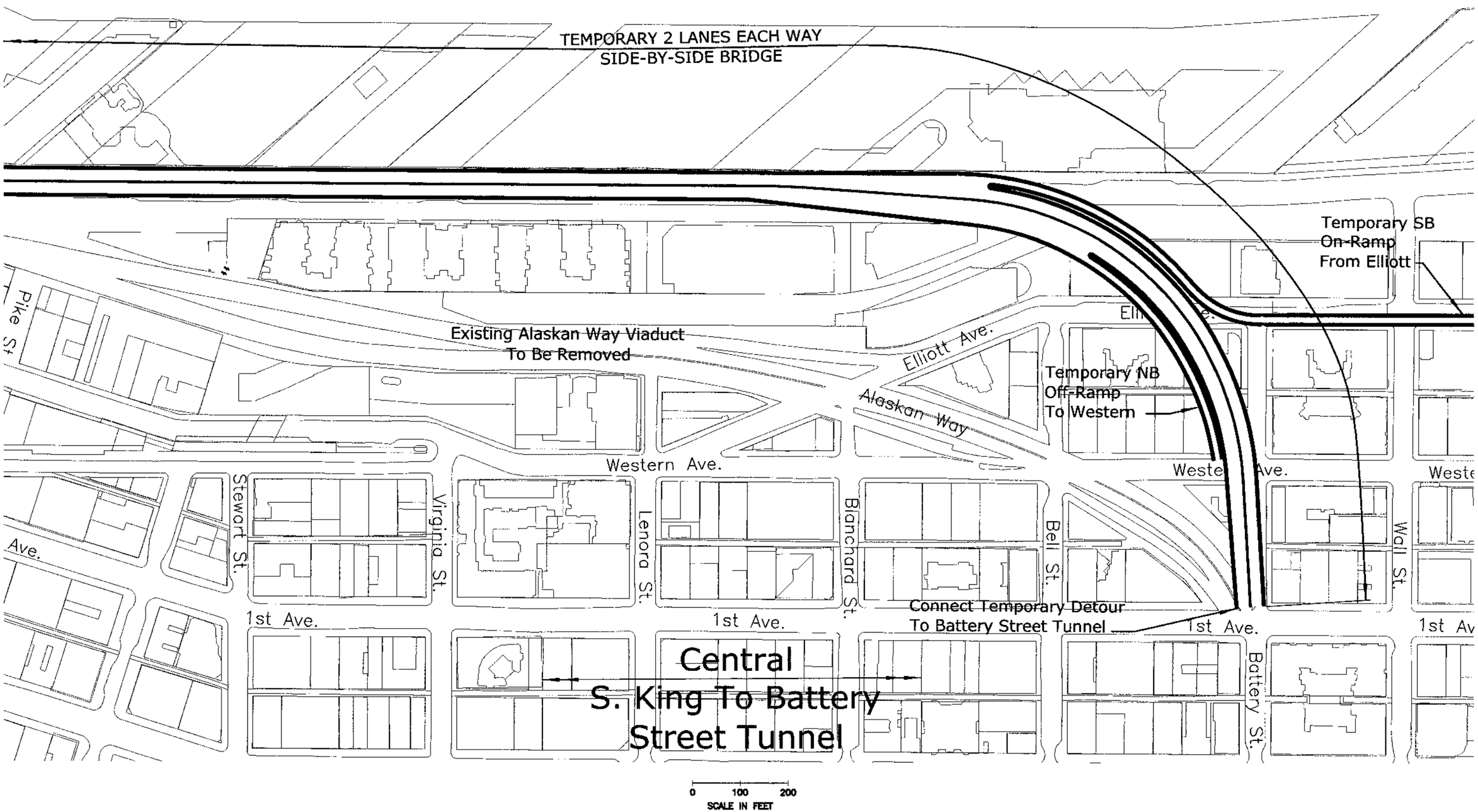
AERIAL OPTION
SECTION: SEAWALL TYPE B

FIGURE NO
A-42

FILENAME: U:\CADD\25314S2_ACAD\SHT\DEIS_FIGS\A\A-42.DWG

# North Waterfront
## Pike To Broad




PLOTTING DATE : 020304 14:

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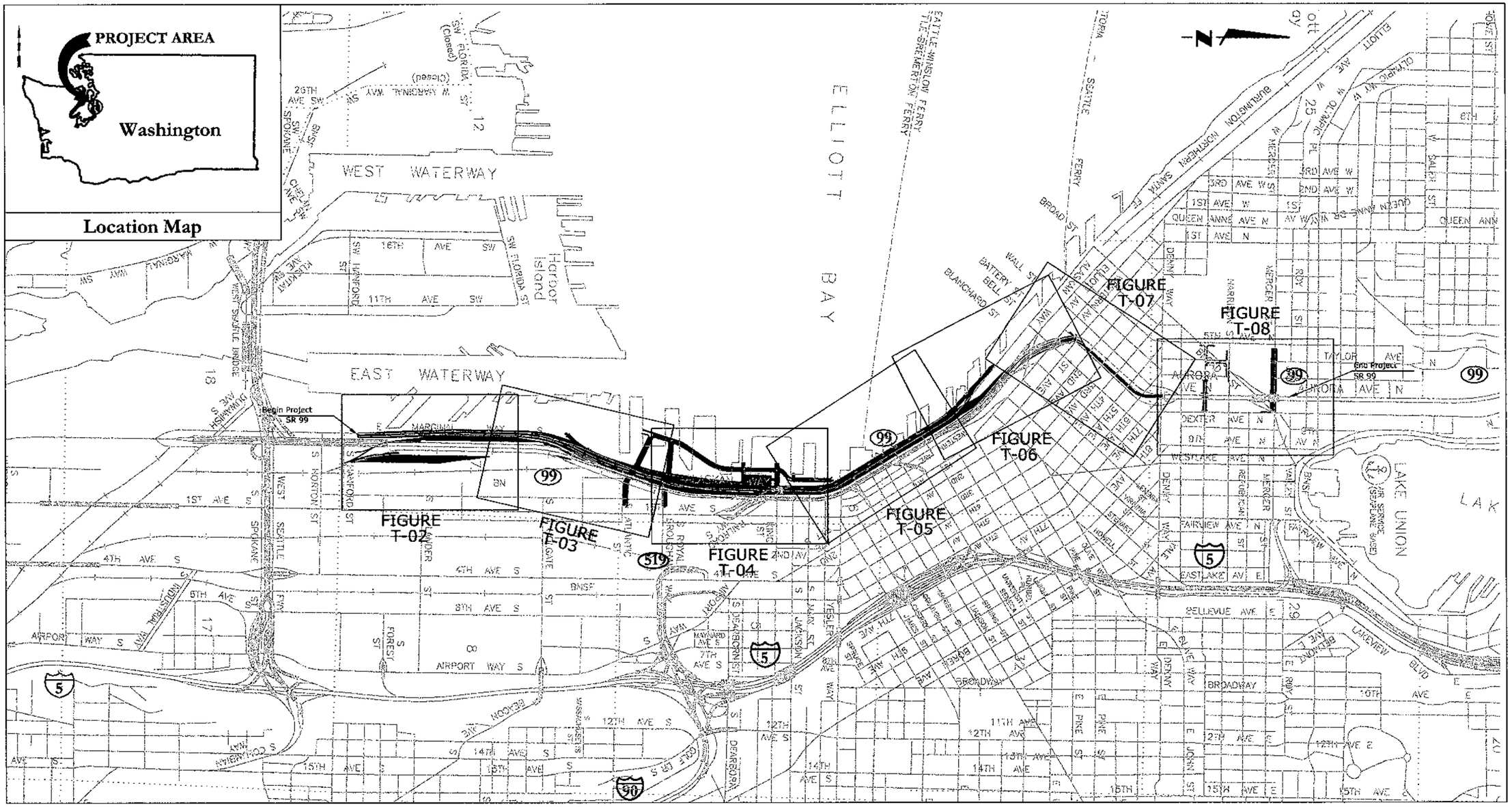
AERIAL OPTION
PIKE TO BATTERY STREET TUNNEL DETOUR

FIGURE NO
A-43

FILENAME: U:\CADD\25314S2_ACAD\SHT\DEIS_FIGS\A\A-43.DWG

# Alaskan Way Viaduct & Seawall Replacement Project




# Tunnel Alternative Vicinity Map

**Not To Scale**

0 100 200
SCALE IN FEET

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ALASKAN WAY VIADUCT & SEAWALL REPLACEMENT PROJECT
SEATTLE, WA

CONCEPTUAL DESIGN - NOT FOR CONSTRUCTION

TUNNEL ALTERNATIVE
VICINITY MAP

FIGURE NO
T-01

PLOTTING DATE : 020304 14:03

FILENAME: U:\CADD\25314S2_ACAD\SHT\DEIS_FIGS\T\T-01.DWG

# South
## S. Spokane To S.King

3 LANES EACH WAY
AT-GRADE

Match Existing
Begin Project

A See Figure T-11

E. Marginal Way S.

New Railroad Tracks

BNSF SIG Rail Yard

New Railroad Tracks

Existing Railroad Tracks

Utah Ave. S.

S. Forest St.

S. Lander

S. Stacy

S. Walker

1st Ave. S.

0 100 200
SCALE IN FEET

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SEATTLE, WA

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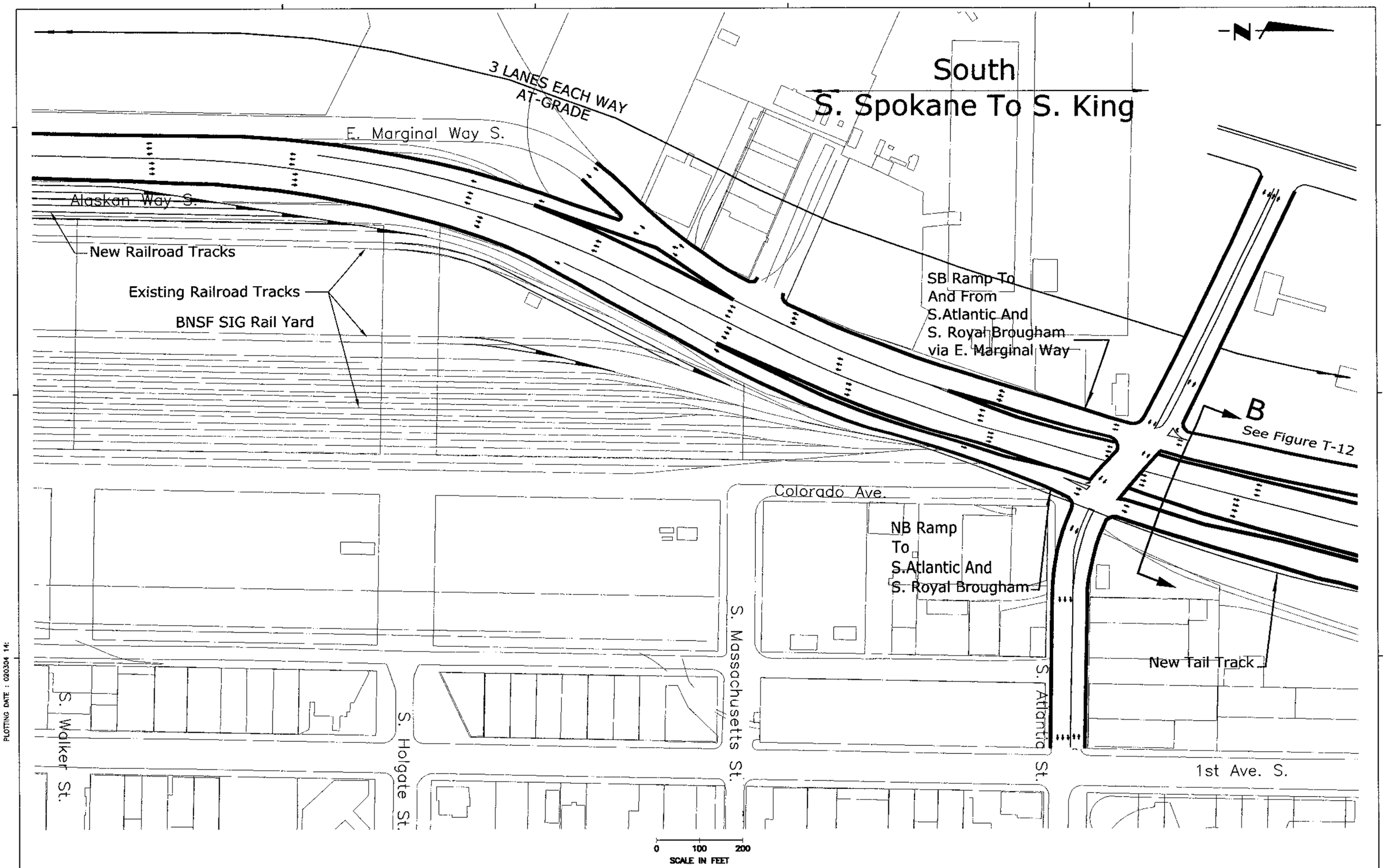
TUNNEL ALTERNATIVE
S. HANFORD TO S. WALKER

FIGURE NO
T-02

PLOTTING DATE : 020304 14:

FILENAME: U:\CADD\25314S2_ACAD\SHT\DEIS_FIGS\T\T-02.DWG




PLOTTING DATE : 020304 14:

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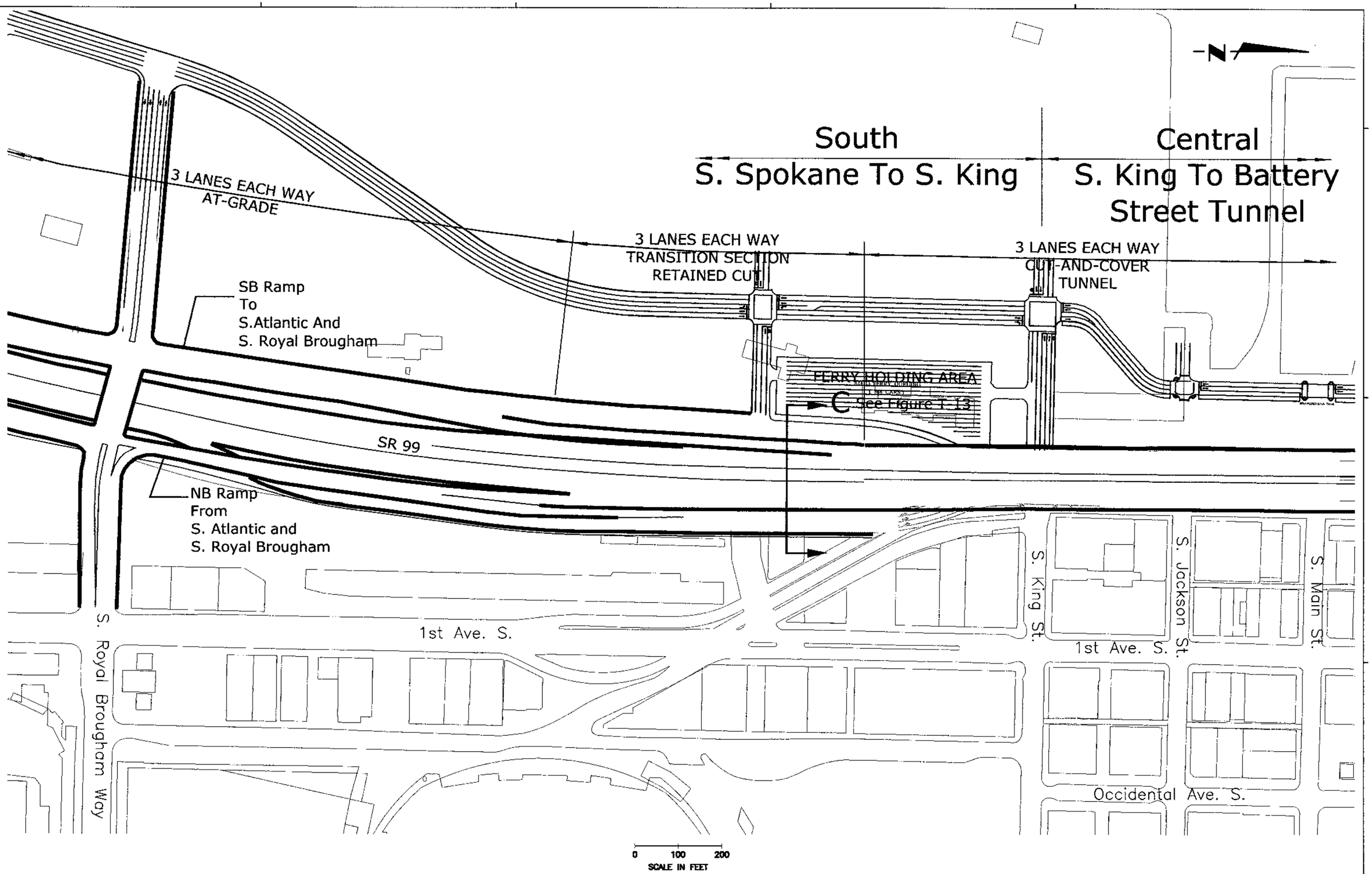
TUNNEL ALTERNATIVE
S. WALKER TO S. ATLANTIC

FIGURE NO.
T-03

FILENAME: U:\CADD\25314S2_ACAD\SHT\DEIS_FIGS\T\T-03.DWG

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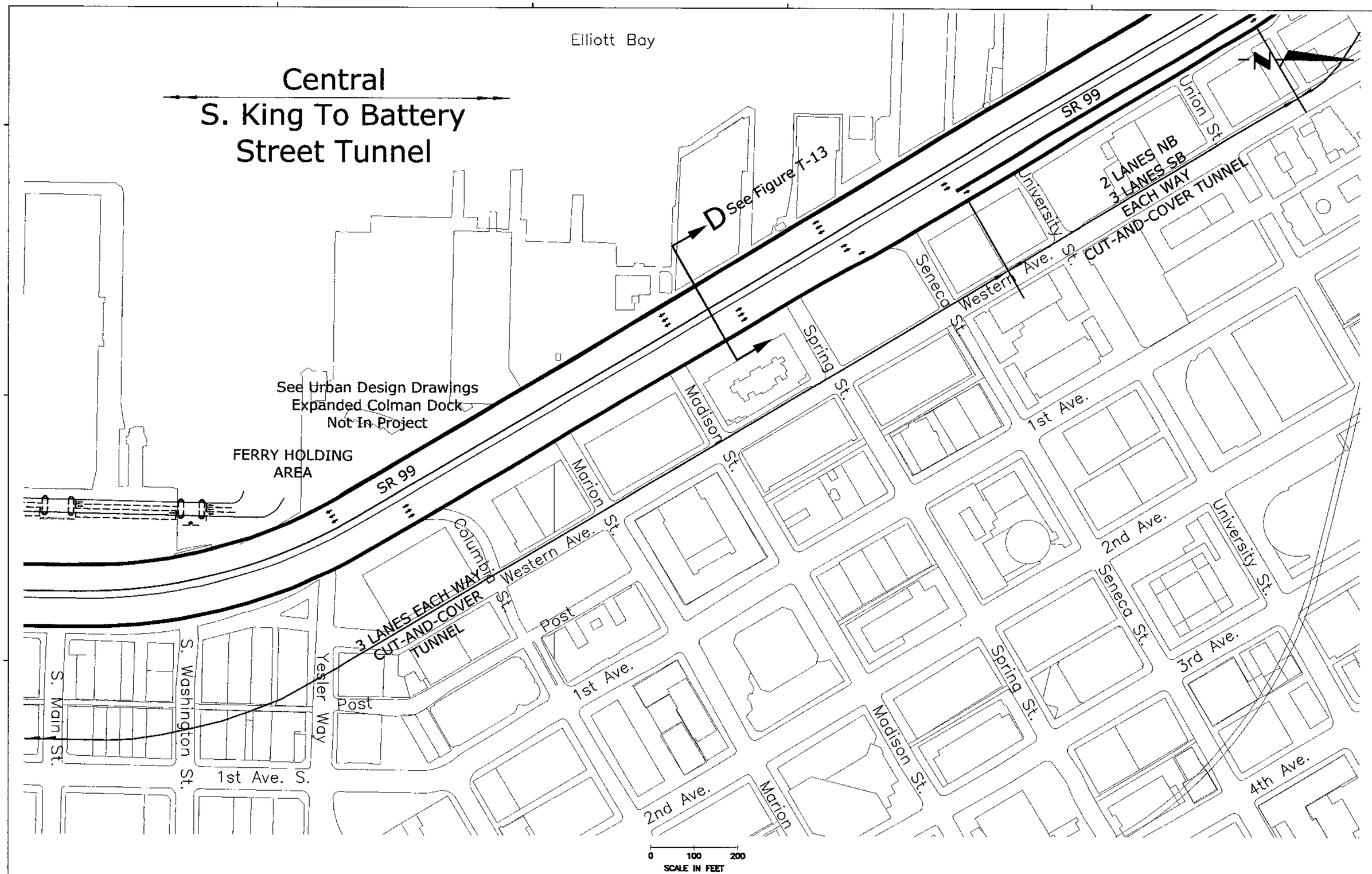
TUNNEL ALTERNATIVE
S. ROYAL BROUGHAM TO S. MAIN

FIGURE NO
T-04

PLOTTING DATE : 020304 14:

FILENAME: U:\CADD\253145S_ACAD\SHT\DEIS_FIGS\T\T-04.DWG

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TUNNEL ALTERNATIVE
S. MAIN TO UNION

FIGURE NO
T-05

FILENAME: U:\CADD\25314S2_ACAD\SHT\DEIS_FIGS\T\T-05.DWG

PLOTTING DATE : 022304 09:

ELLIOTT BAY

North Waterfront Pike To Broad

Central S. King To Battery Street Tunnel

Alaskan Way

Elliott Ave.

SR 99

See Figure T-15

See Figure T-14

See Figure T-17

Bell St.

1st Ave.

2nd Ave.

3rd Ave.

4th Ave.

5th Ave.

Blanchard St.

Western Ave.

Lenora St.

Virginia St.

Stewart St.

Pike St.

Union St.

NB & SB Ramps
From Alaskan Way
To SR 99

2 LANES EACH WAY RETAINED CUT

EXISTING BATTERY STREET TUNNEL SEE FIGURE T-17

2 LANES EACH WAY SIDE-BY-SIDE BRIDGE

2 LANES EACH WAY RETAINED FILL

2 LANES EACH WAY RETAINED CUT WITH LID

2 LANES EACH WAY CUT-AND-COVER TUNNEL

0 100 200
SCALE IN FEET

PLOTTING DATE : 020404 10:

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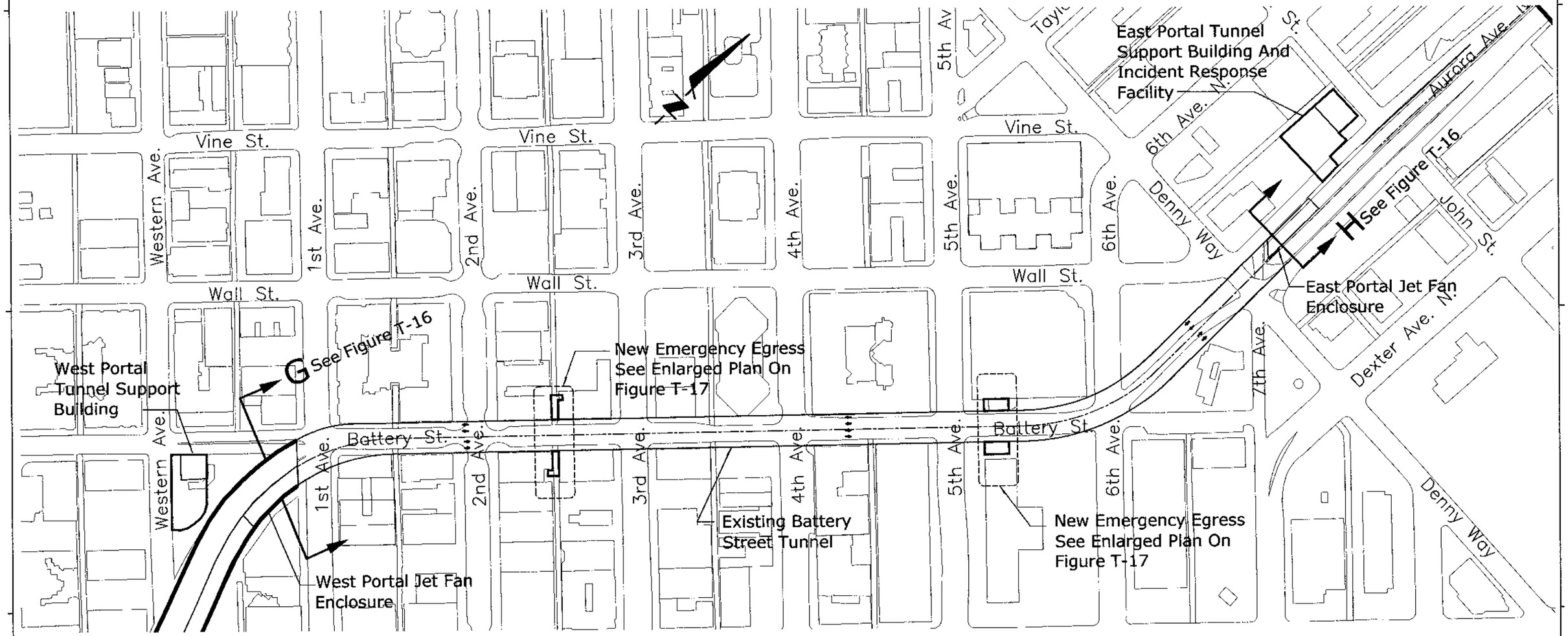
TUNNEL ALTERNATIVE
PIKE TO BATTERY STREET TUNNEL

FIGURE NO
T-06

FILENAME: U:\CADD\25314S2_ACAD\SHT\DEIS_FIGS\T\T-06.DWG




0 100 200
SCALE IN FEET

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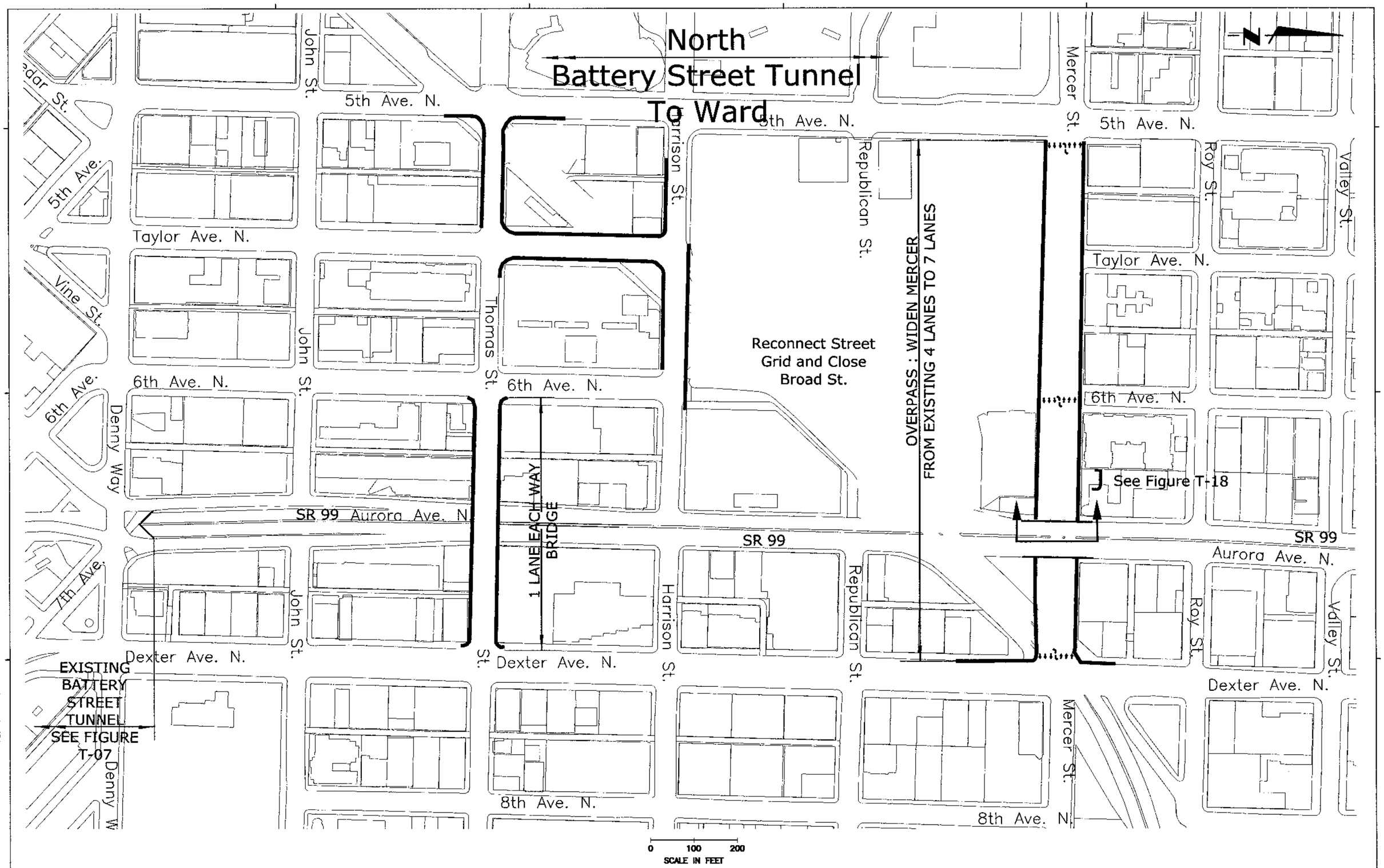
TUNNEL ALTERNATIVE
BATTERY STREET TUNNEL

FIGURE NO
T-07

PLOTTING DATE :

FILENAME: U:\CADD\25314S2_ACAD\SHT\DEIS_FIGS\T\T-07.DWG

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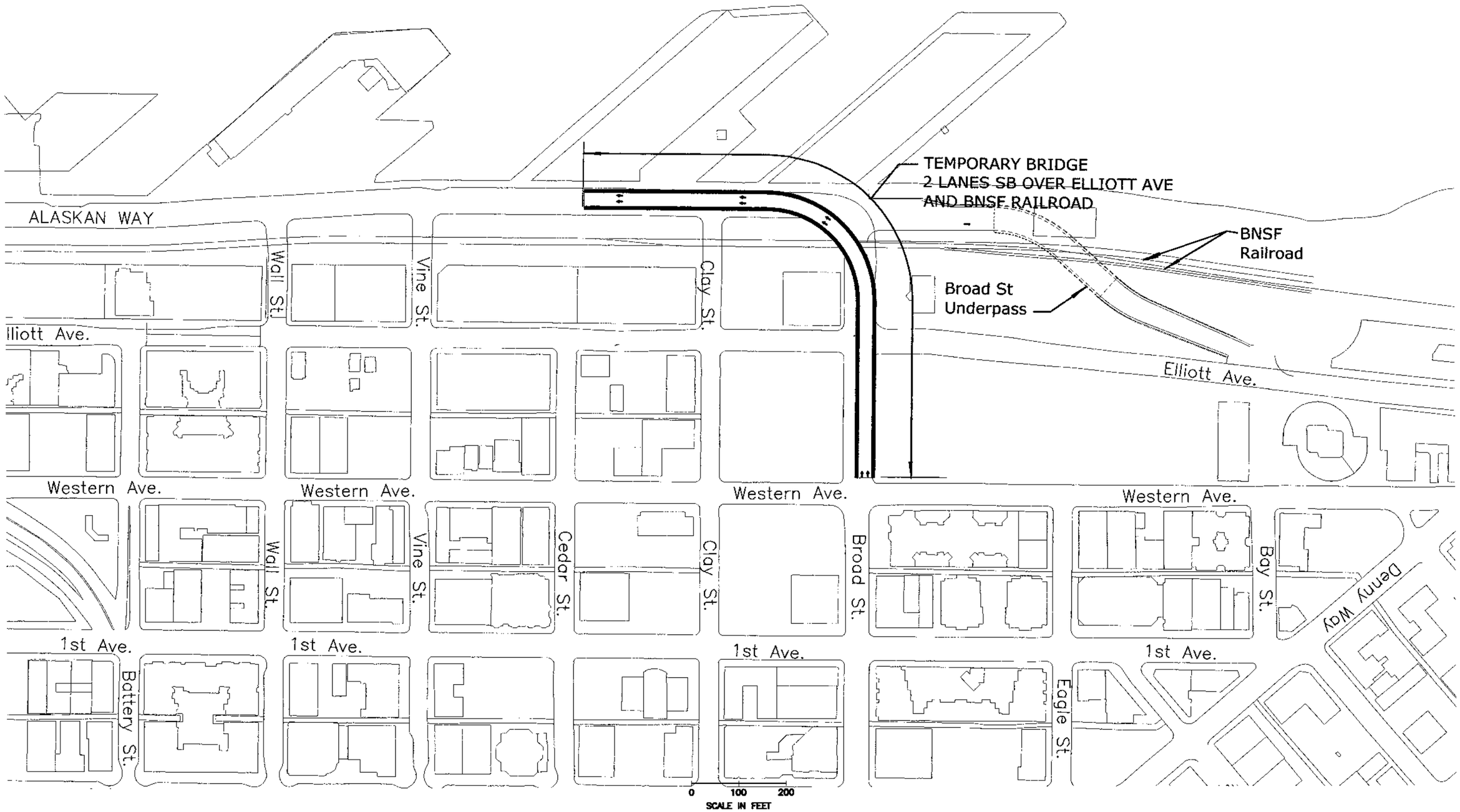
TUNNEL ALTERNATIVE
RECONNECTION OF STREET GRID & BROAD STREET CLOSURE

FIGURE NO
T-08

PLOTTING DATE : 020304 14:

FILENAME: U:\CADD\2531452_ACAD\SHT\DEIS_FIGS\T\T-08.DWG

# North Waterfront
## Pike To Broad

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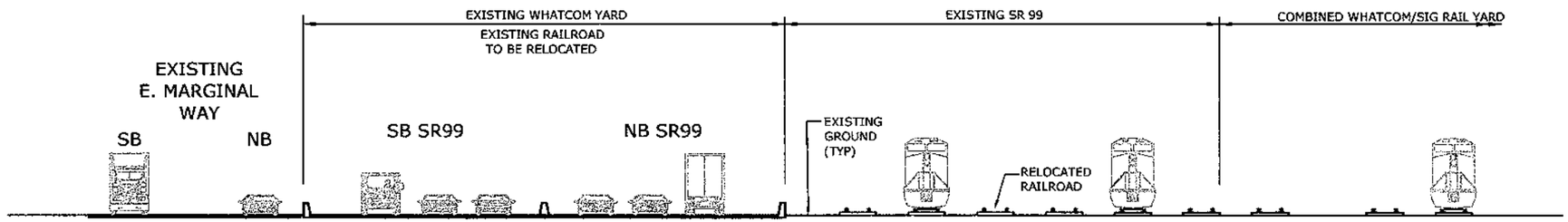
TUNNEL ALTERNATIVE - BROAD STREET DETOUR
GRADE SEPARATION

FIGURE NO
T-09

PLOTTING DATE : 020304 14:

FILENAME: U:\CADD\2531452_ACAD\SHT\DEIS_FIGS\T\T-09.DWG




CROSS-SECTION A FROM FIGURE T-02

GRAPHIC SCALE

0 15 30 45 60 90

SCALE IN FEET

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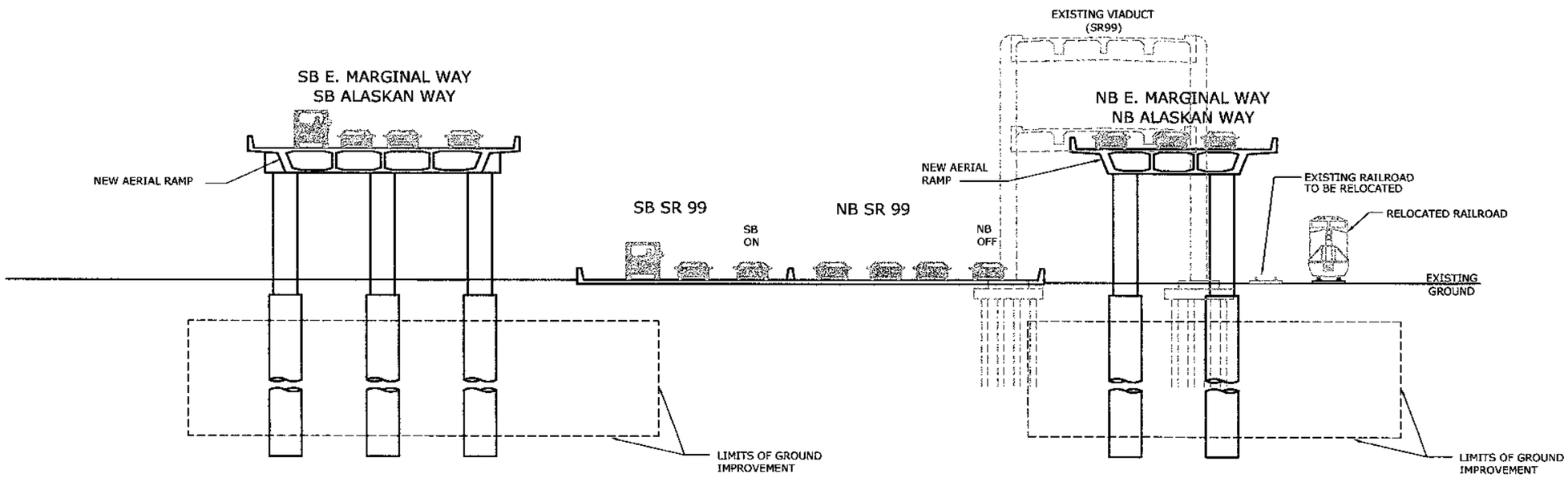
TUNNEL ALTERNATIVE
CROSS-SECTIONS, FROM FIGURE T-02

FIGURE NO
T-11

PLOTTING DATE : 020304 14:17

FILENAME: U:\CADD\25314S2_ACAD\SHT\DEIS_FIGS\T\T-11.DWG




CROSS-SECTION B FROM FIGURE T-03

GRAPHIC SCALE

0 15 30 45 60 90

SCALE IN FEET

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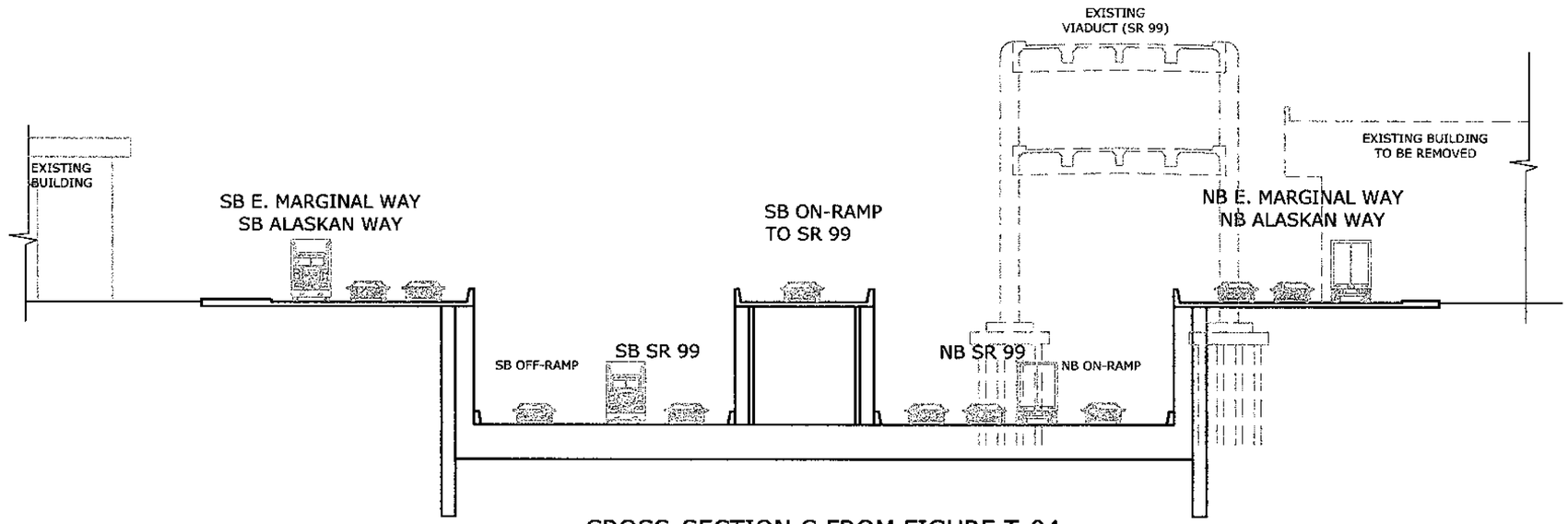
TUNNEL ALTERNATIVE
CROSS-SECTIONS, FROM FIGURE T-03

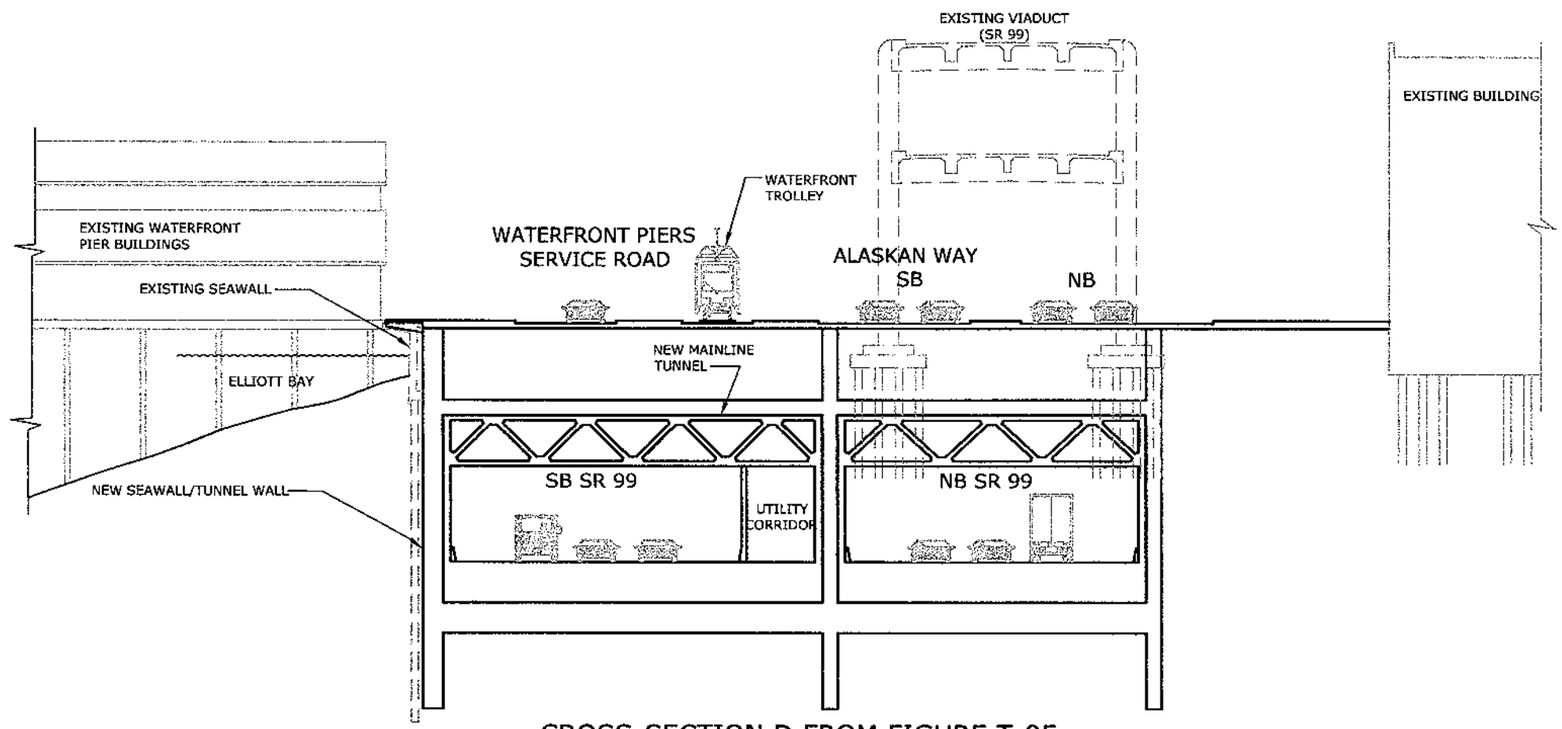
FIGURE NO
T-12

PLOTTING DATE : 020304 14:17

FILENAME: U:\CADD\25314S2_ACAD\SHT\DEIS_FIGS\T\T-12.DWG




CROSS-SECTION C FROM FIGURE T-04




CROSS-SECTION D FROM FIGURE T-05

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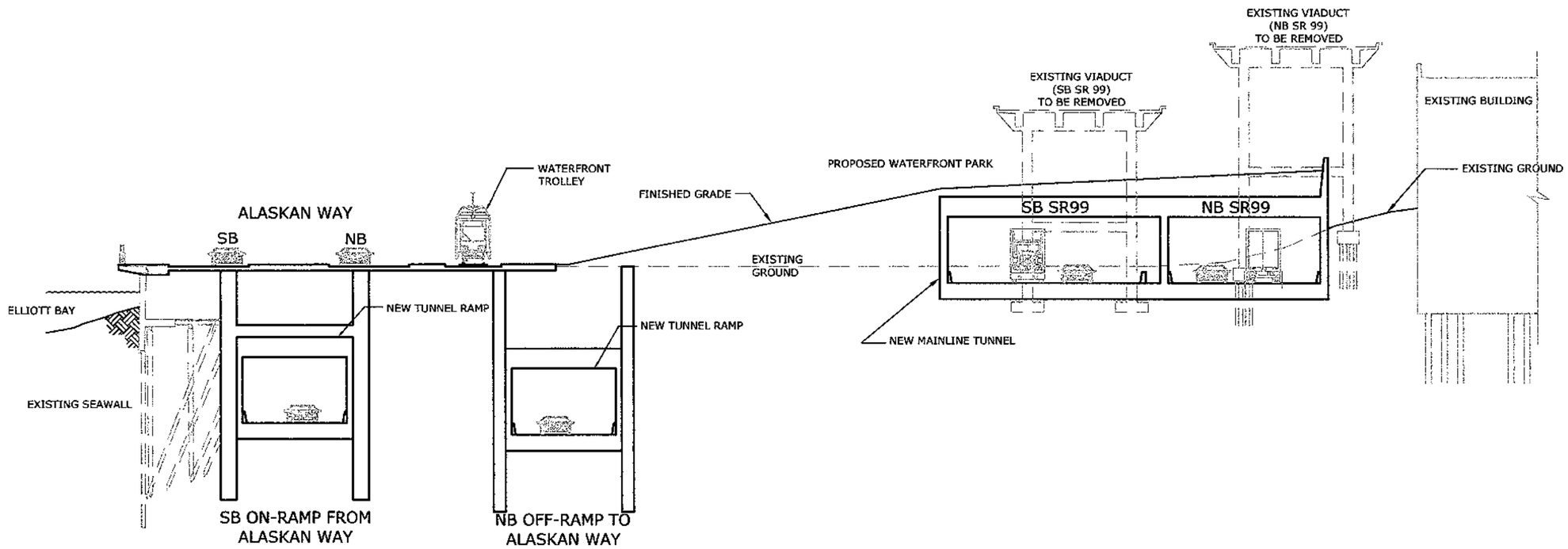
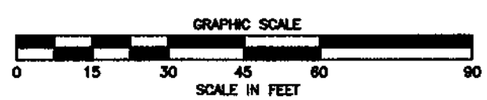
TUNNEL ALTERNATIVE
CROSS-SECTION, FROM FIGURE T-04,T-05

FIGURE NO
T-13

FILENAME: U:\CADD\25314S2_ACAD\SHT\DEIS_FIGS\T\T-13.DWG




CROSS-SECTION E FROM FIGURE T-06

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TUNNEL ALTERNATIVE
CROSS-SECTION, FROM FIGURE T-06

FIGURE NO
T-14

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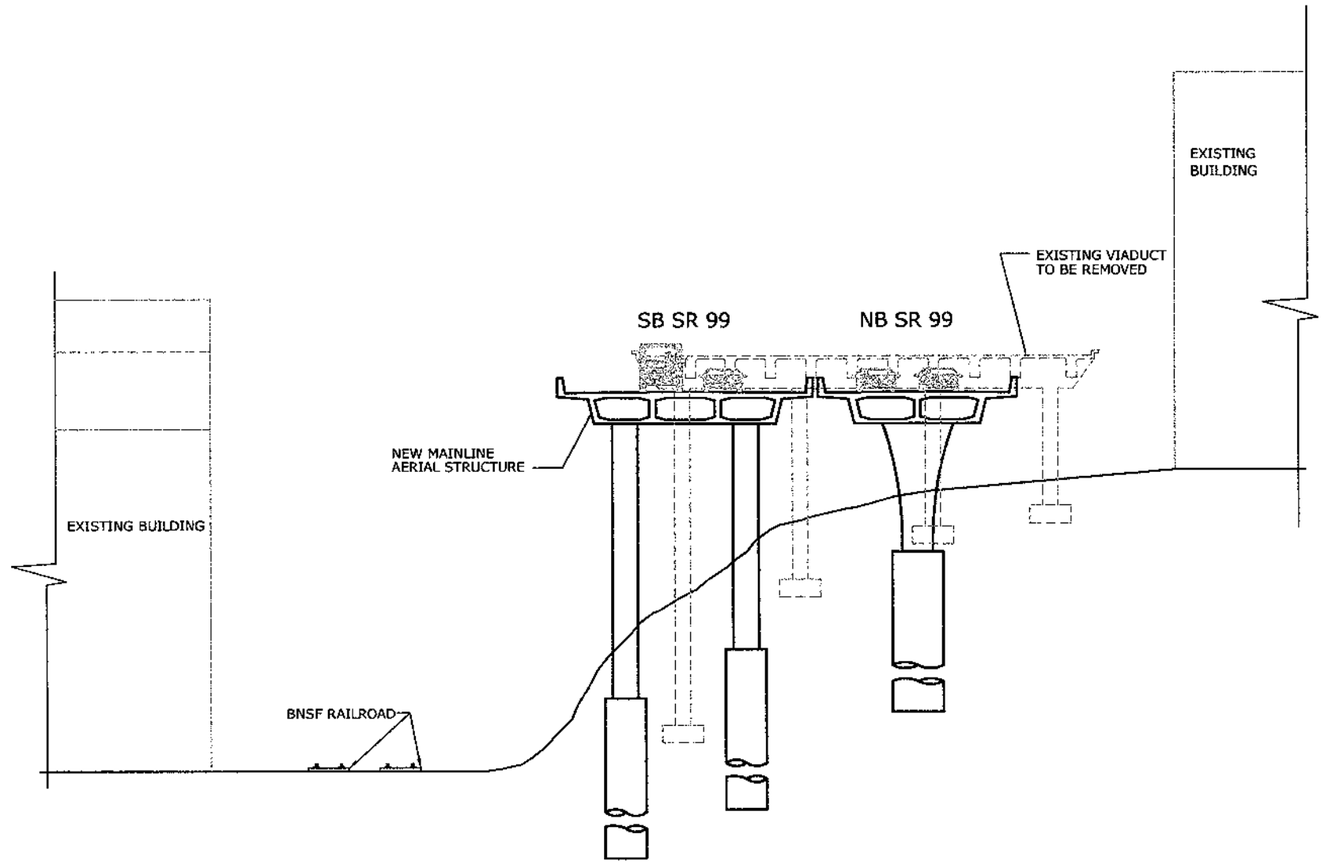
PLOTTING DATE : 020304 14:




CROSS-SECTION F FROM FIGURE T-06

GRAPHIC SCALE

0 15 30 45 60 90

SCALE IN FEET

U.S. Department of Transportation
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Washington State Department of Transportation

City of Seattle

ALASKAN WAY VIADUCT & SEAWALL REPLACEMENT PROJECT
SEATTLE, WA

CONCEPTUAL DESIGN - NOT FOR CONSTRUCTION

TUNNEL ALTERNATIVE
CROSS-SECTIONS, FROM FIGURE T-06

FIGURE NO
T-15

PLOTTING DATE : 020304 14:20

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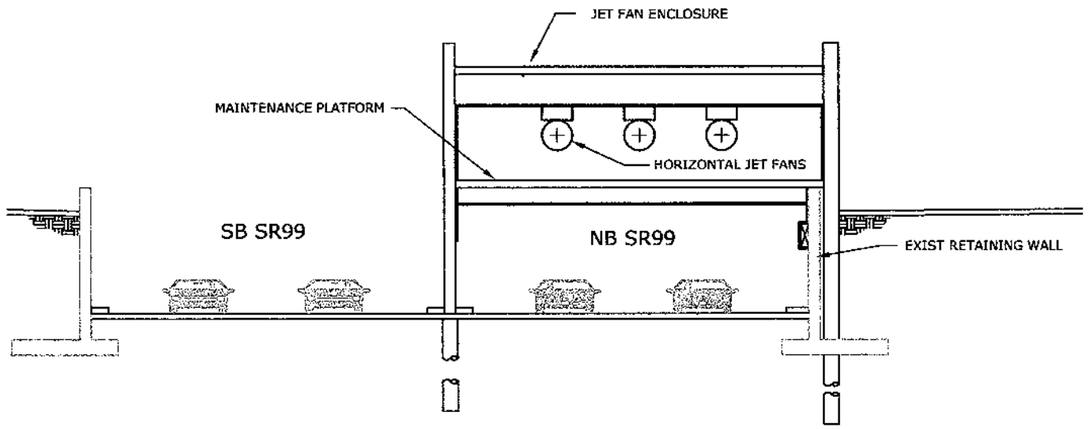
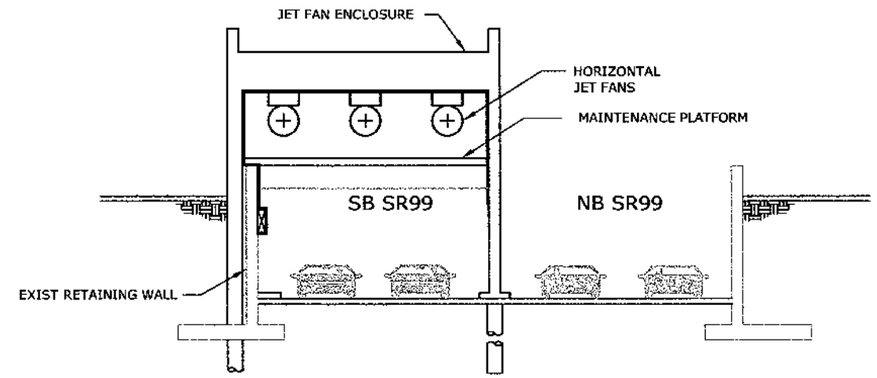
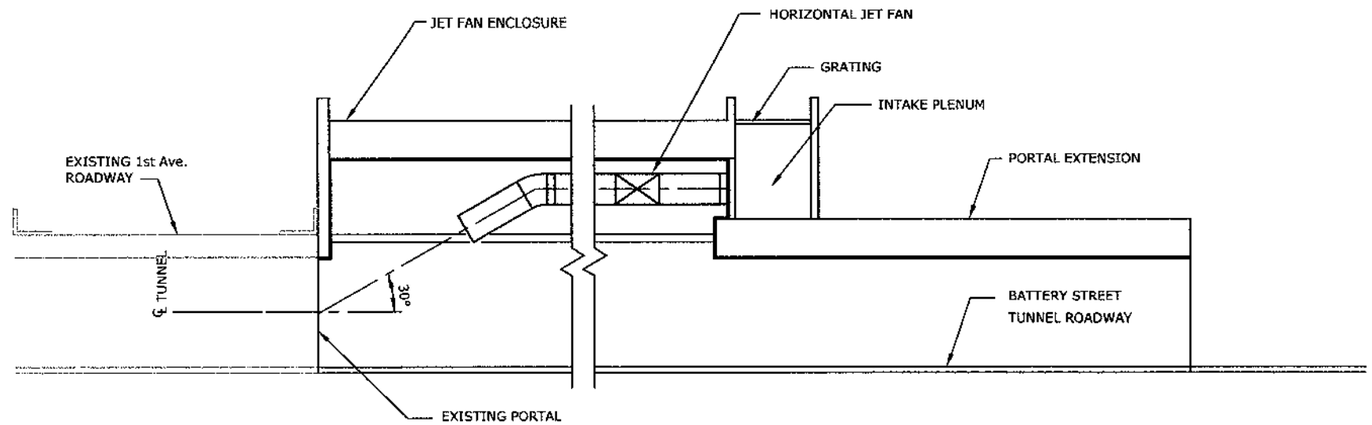


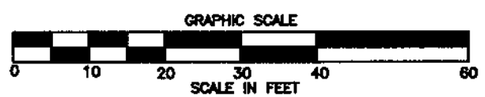

CROSS-SECTION G FROM FIGURE T-07
WEST PORTAL JET FAN ENCLOSURE




CROSS-SECTION H FROM FIGURE T-07
EAST PORTAL JET FAN ENCLOSURE




JET FAN ENCLOSURE LONGITUDINAL SECTION




NOTE:
ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED.

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TUNNEL ALTERNATIVE
BATTERY STREET TUNNEL SECTIONS

FIGURE NO
T-16

PLOTTING DATE : 020304 14:21

FILENAME: U:\CADD\25314S2_ACAD\SHT\DEIS_FIGS\T\T-16.DWG