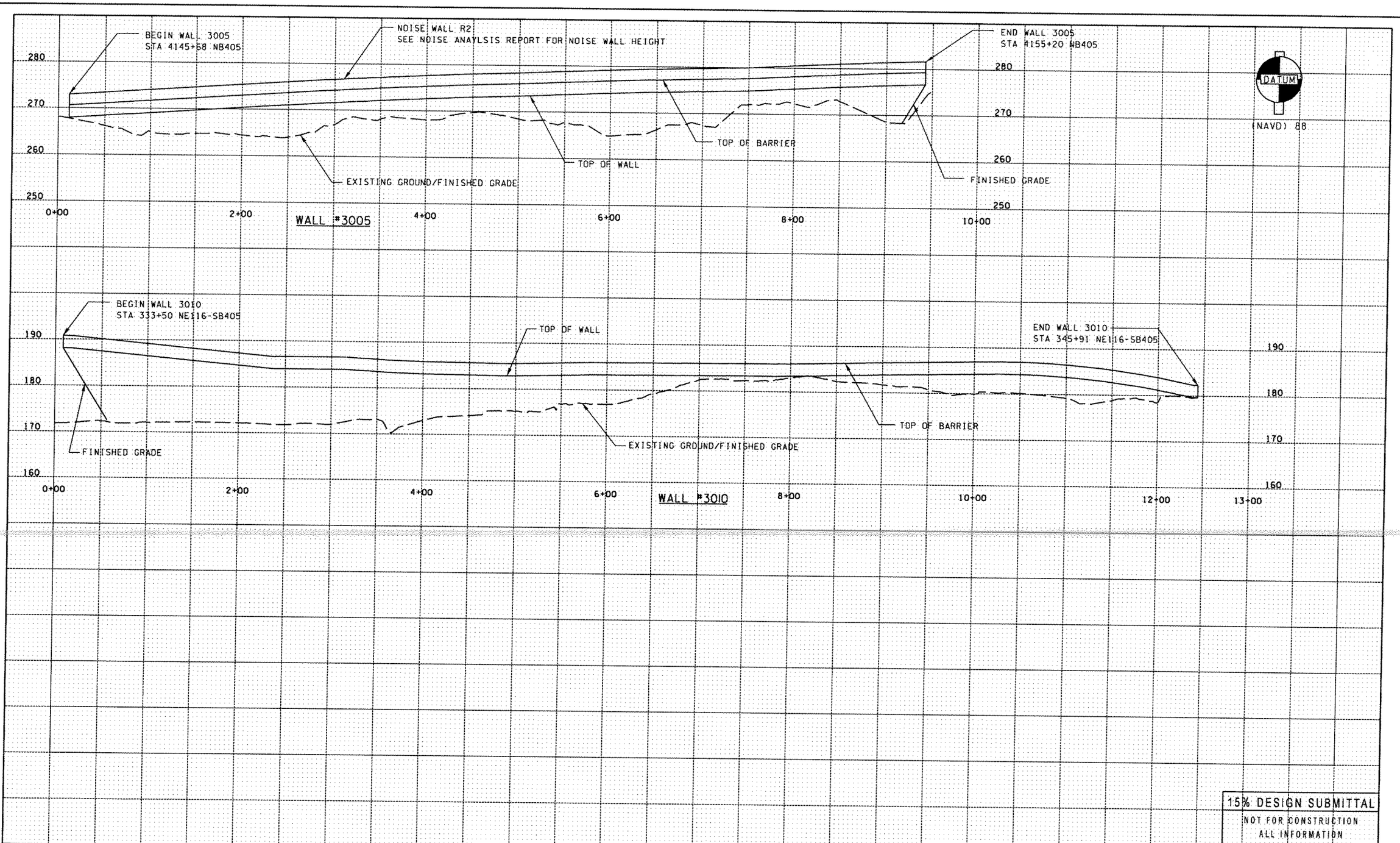

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NOT FOR CONSTRUCTION
ALL INFORMATION
NOT INCLUDED

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DATE 9/8/2004
PLOTTED BY chriss
DESIGNED BY C. BARNETT
ENTERED BY C. SAXE
CHECKED BY G. NIEMASZ
PROJ. ENGR. W. TAYLOR
REGIONAL ADM. D. DYE

REVISION	DATE	BY

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

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

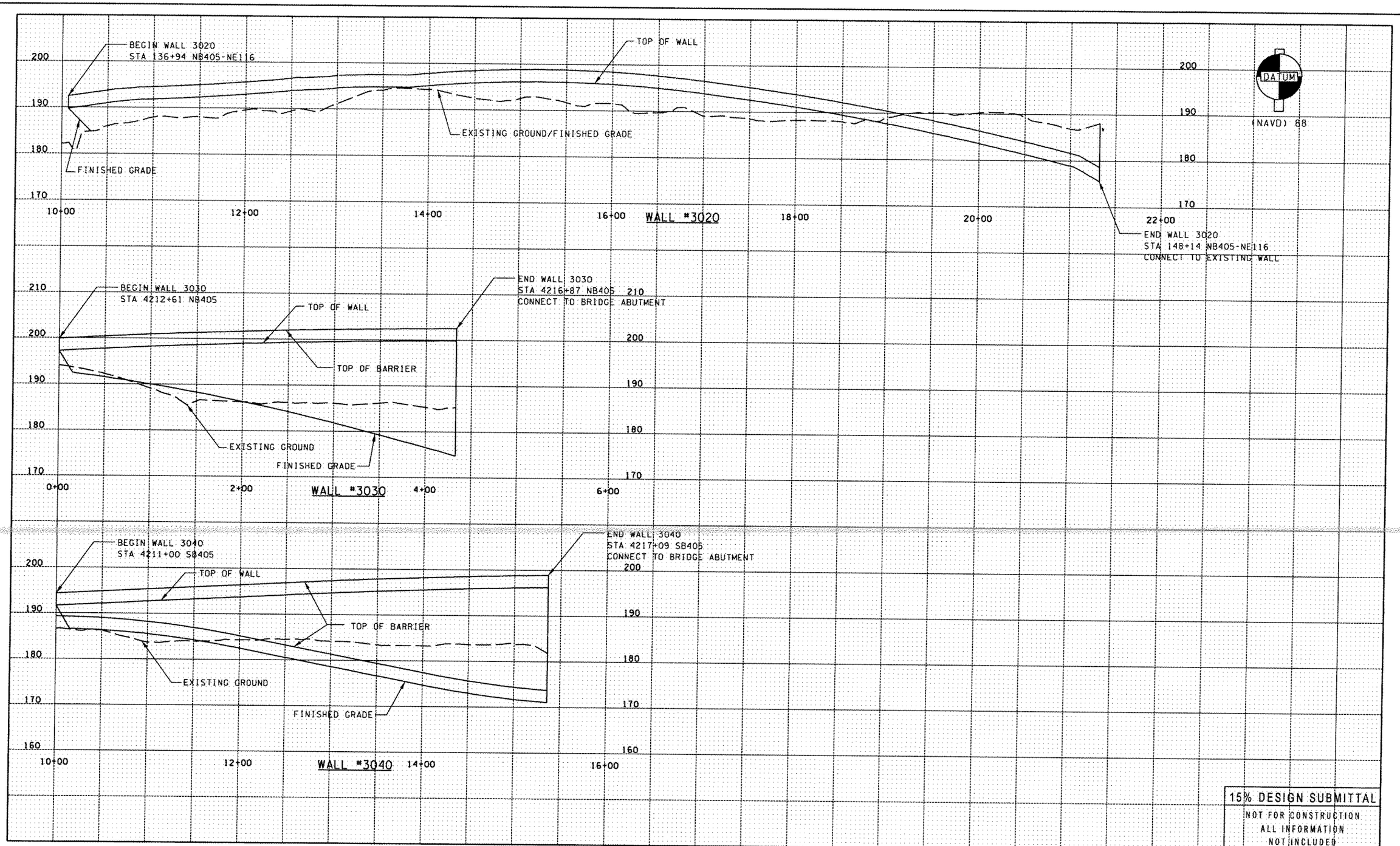
INTERSTATE 405 Project Team
Washington State Department of Transportation

I-405 CONGESTION RELIEF &
BUS RAPID TRANSIT PROJECTS
KIRKLAND NICKEL
STAGE 1

RETAINING WALL PROFILES

RWP001

SHEET OF XXX SHEETS



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ENTERED BY C. SAXE				CONTRACT NO.	LOCATION NO.	
CHECKED BY G. NIEMASZ						
PROJ. ENGR. W. TAYLOR						
REGIONAL ADM. D. DYE	REVISION	DATE	BY			

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

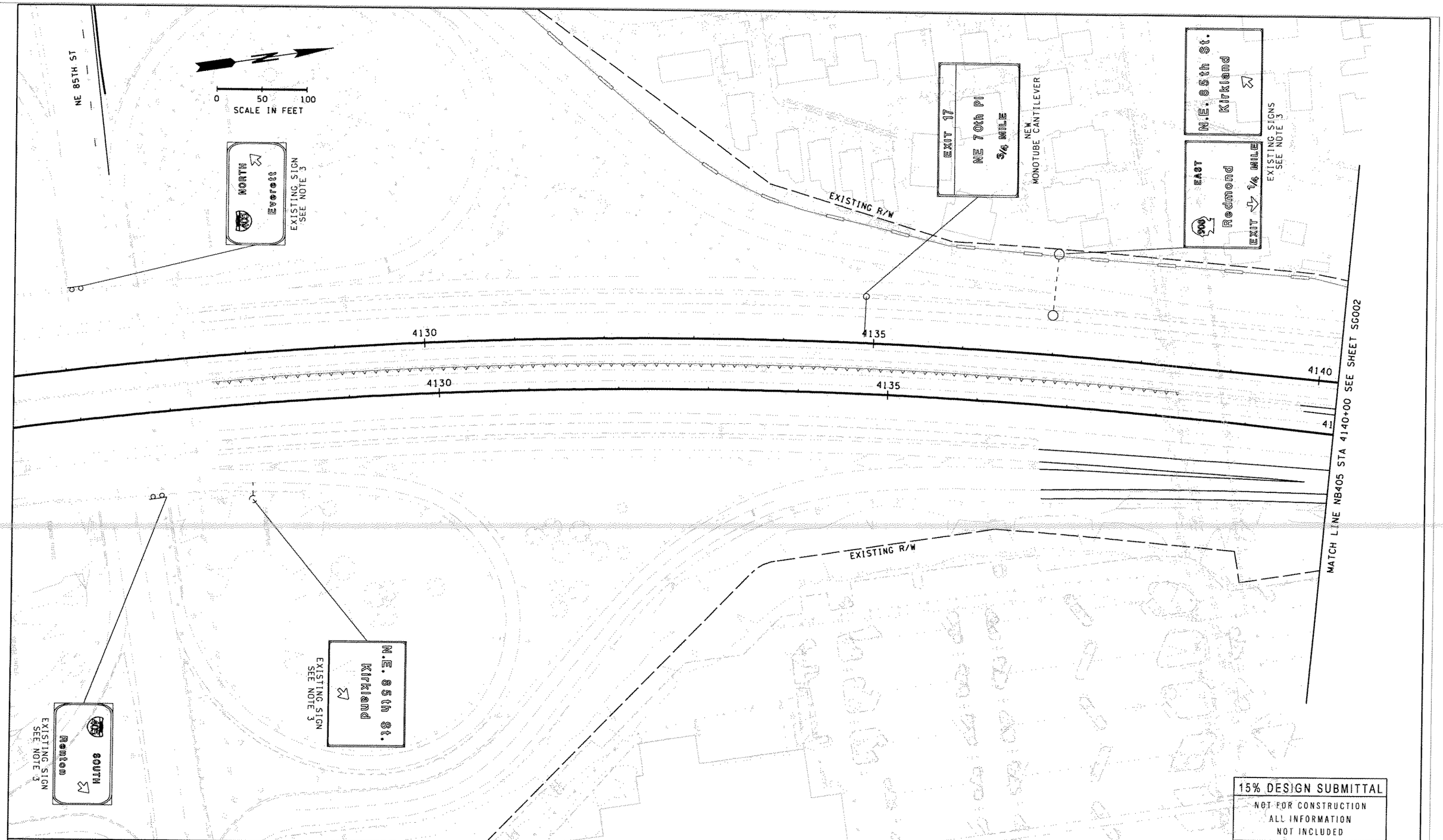
INTERSTATE 405 Project Team
Washington State Department of Transportation

I-405 CONGESTION RELIEF &
BUS RAPID TRANSIT PROJECTS
KIRKLAND NICKEL
STAGE 1

RETAINING WALL PROFILES

RWP002

SHEET
OF XXX SHEETS



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PLOTTED BY	garthm
DESIGNED BY	X. XXXXXXXXXXXXXX
ENTERED BY	X. XXXXXXXXXXXXXX
CHECKED BY	X. XXXXXXXXXXXXXX
PROJ. ENGR.	X. XXXXXXXXXXXXXX
REGIONAL ADM.	X. XXXXXXXXXXXXXX

REVISION	DATE	BY

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

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

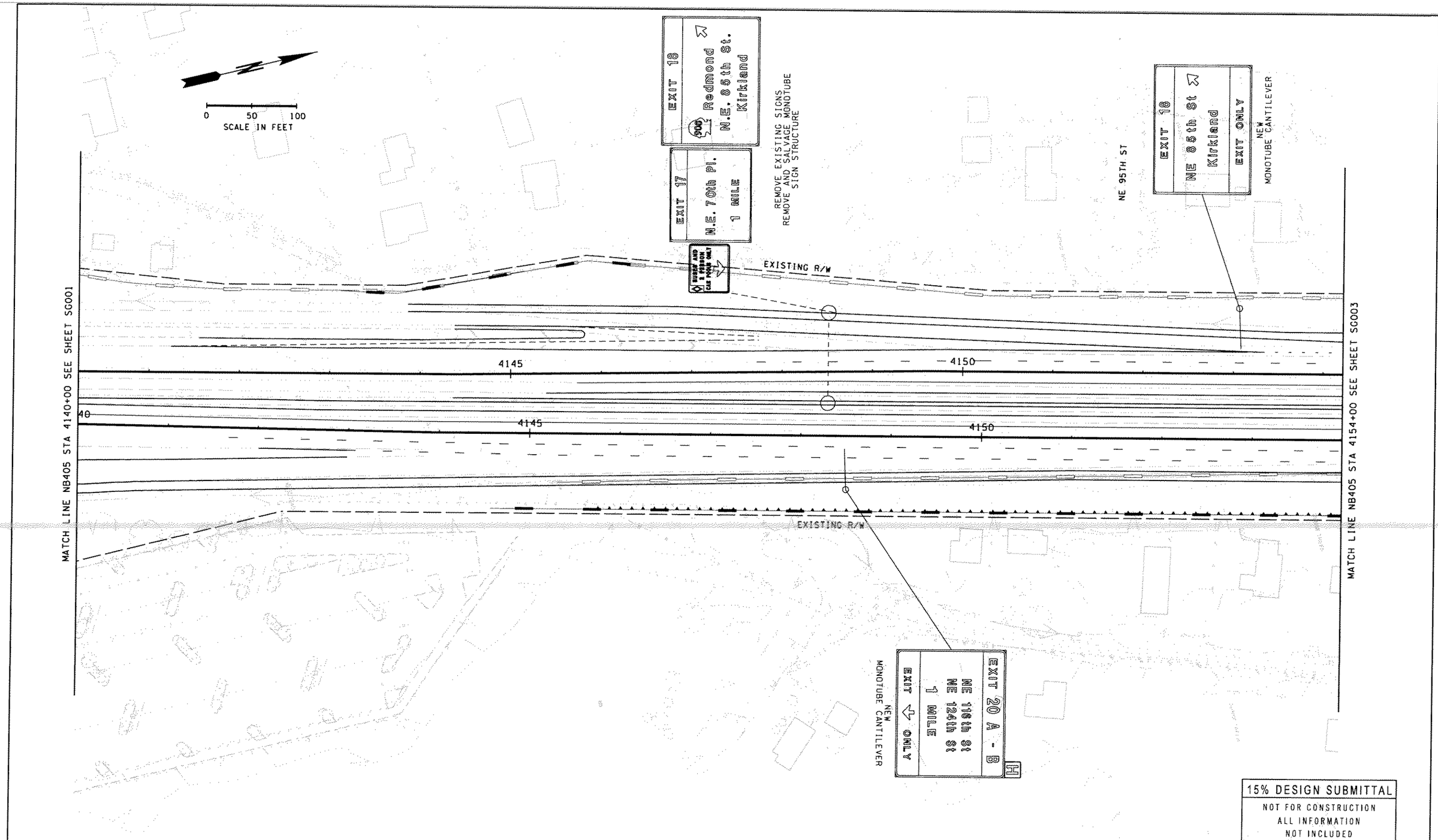
INTERSTATE 405 Project Team
Washington State Department of Transportation

I-405 CONGESTION RELIEF & BUS RAPID TRANSIT PROJECTS
KIRKLAND NICKEL
STAGE 1

GUIDE SIGN PLAN

SG001

SHEET OF XXX SHEETS



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ENTERED BY X.XXXXXXXXXXXXXX
CHECKED BY X.XXXXXXXXXXXXXX
PROJ. ENGR. X.XXXXXXXXXXXXXX
REGIONAL ADM. X.XXXXXXXXXXXXXX

REVISION	DATE	BY

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

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

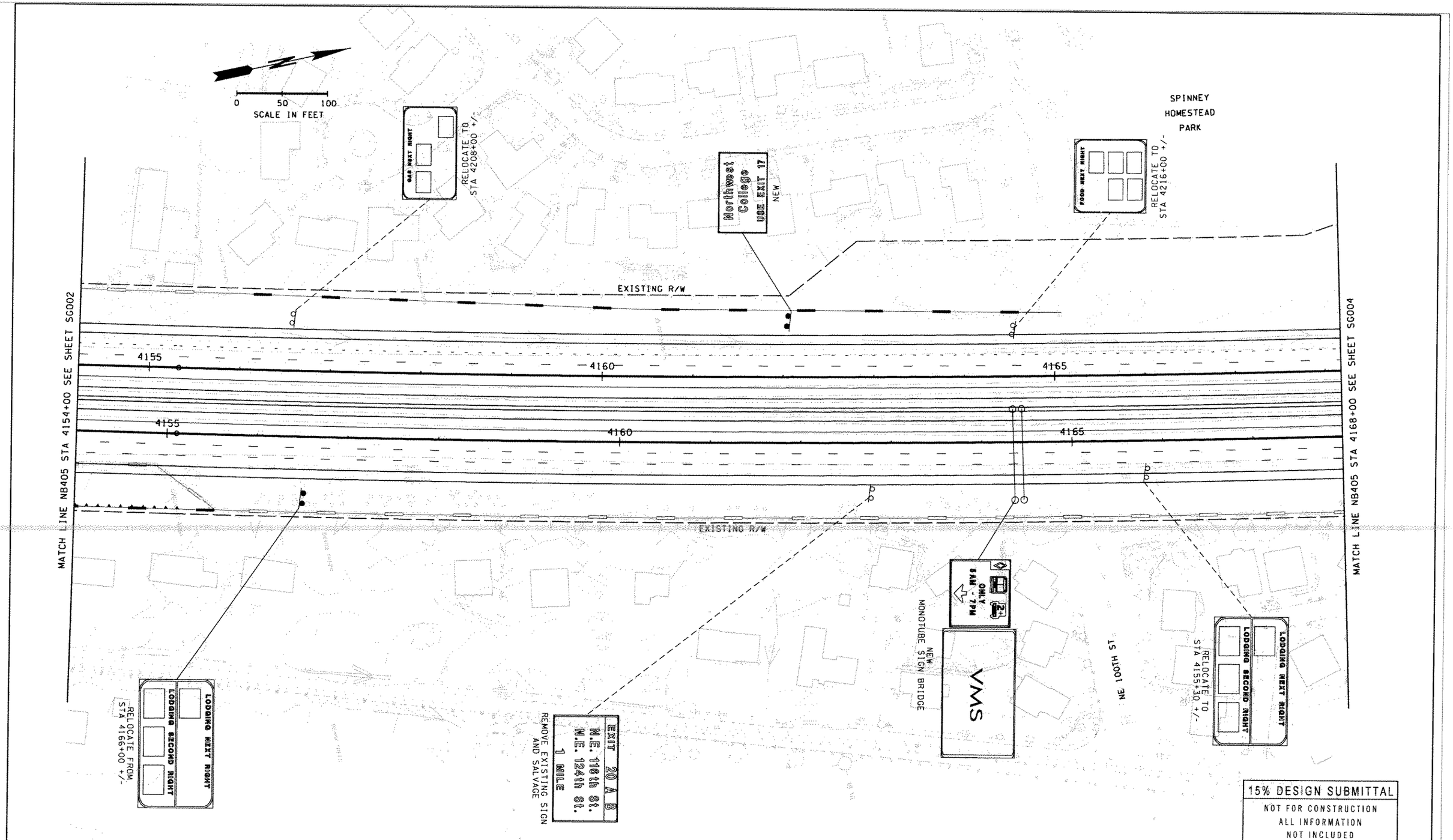
INTERSTATE 405 Project Team
Washington State Department of Transportation

I-405 CONGESTION RELIEF &
BUS RAPID TRANSIT PROJECTS
KIRKLAND NICKEL
STAGE 1

GUIDE SIGN PLAN

SG002

SHEET OF XXX SHEETS



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DESIGNED BY X.XXXXXXXXXXXXXX					
ENTERED BY X.XXXXXXXXXXXXXX					
CHECKED BY X.XXXXXXXXXXXXXX					
PROJ. ENGR. X.XXXXXXXXXXXXXX					
REGIONAL ADM. X.XXXXXXXXXXXXXX	REVISION	DATE	BY		

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

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

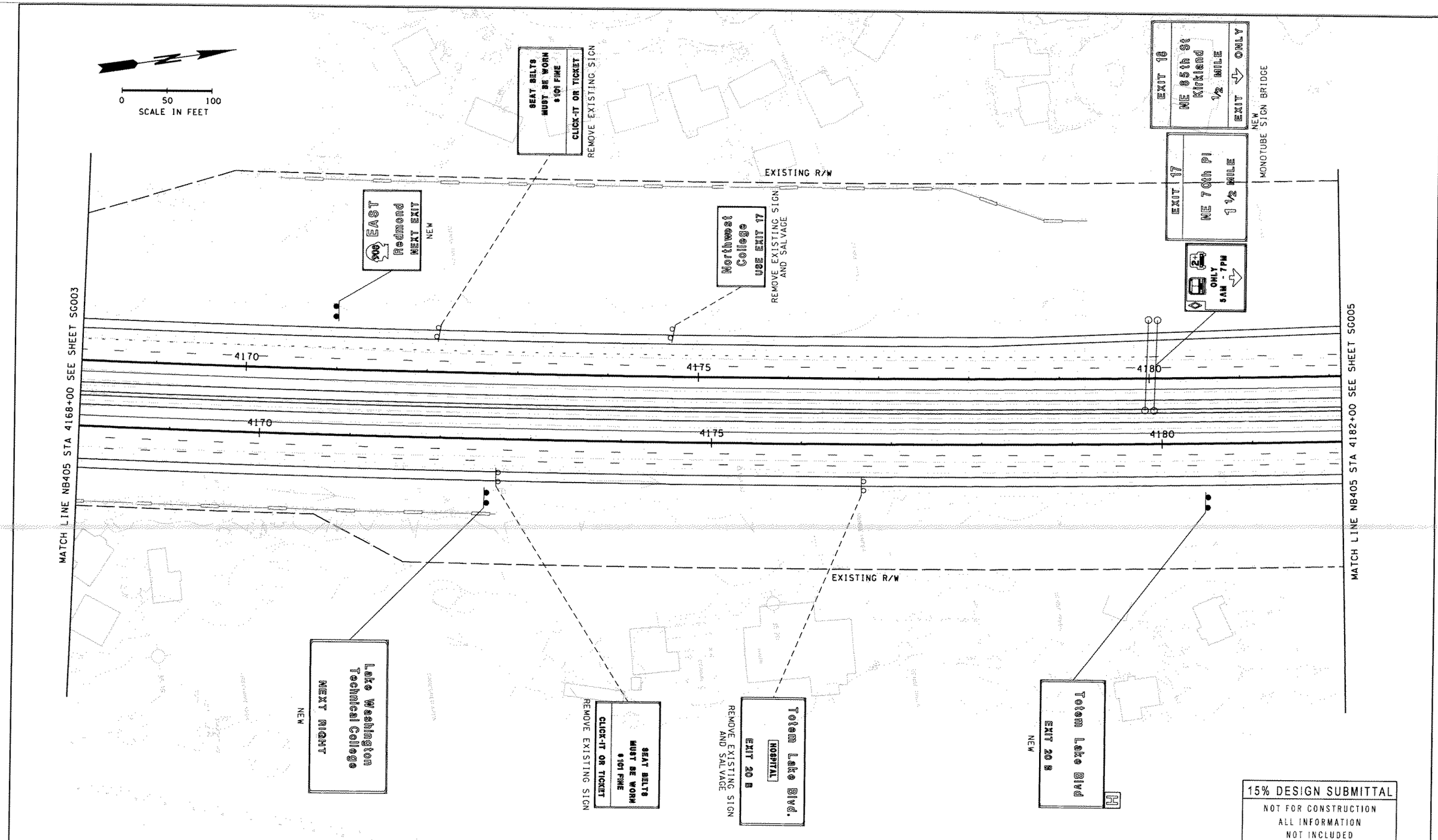
INTERSTATE 405 Project Team
Washington State Department of Transportation

I-405 CONGESTION RELIEF &
BUS RAPID TRANSIT PROJECTS
KIRKLAND NICKEL
STAGE 1

GUIDE SIGN PLAN

SG003

SHEET OF XXX SHEETS



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DESIGNED BY X.XXXXXXXXXXXXXX				CONTRACT NO.	LOCATION NO.
ENTERED BY X.XXXXXXXXXXXXXX					
CHECKED BY X.XXXXXXXXXXXXXX					
PROJ. ENGR. X.XXXXXXXXXXXXXX					
REGIONAL ADM. X.XXXXXXXXXXXXXX	REVISION	DATE	BY		

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

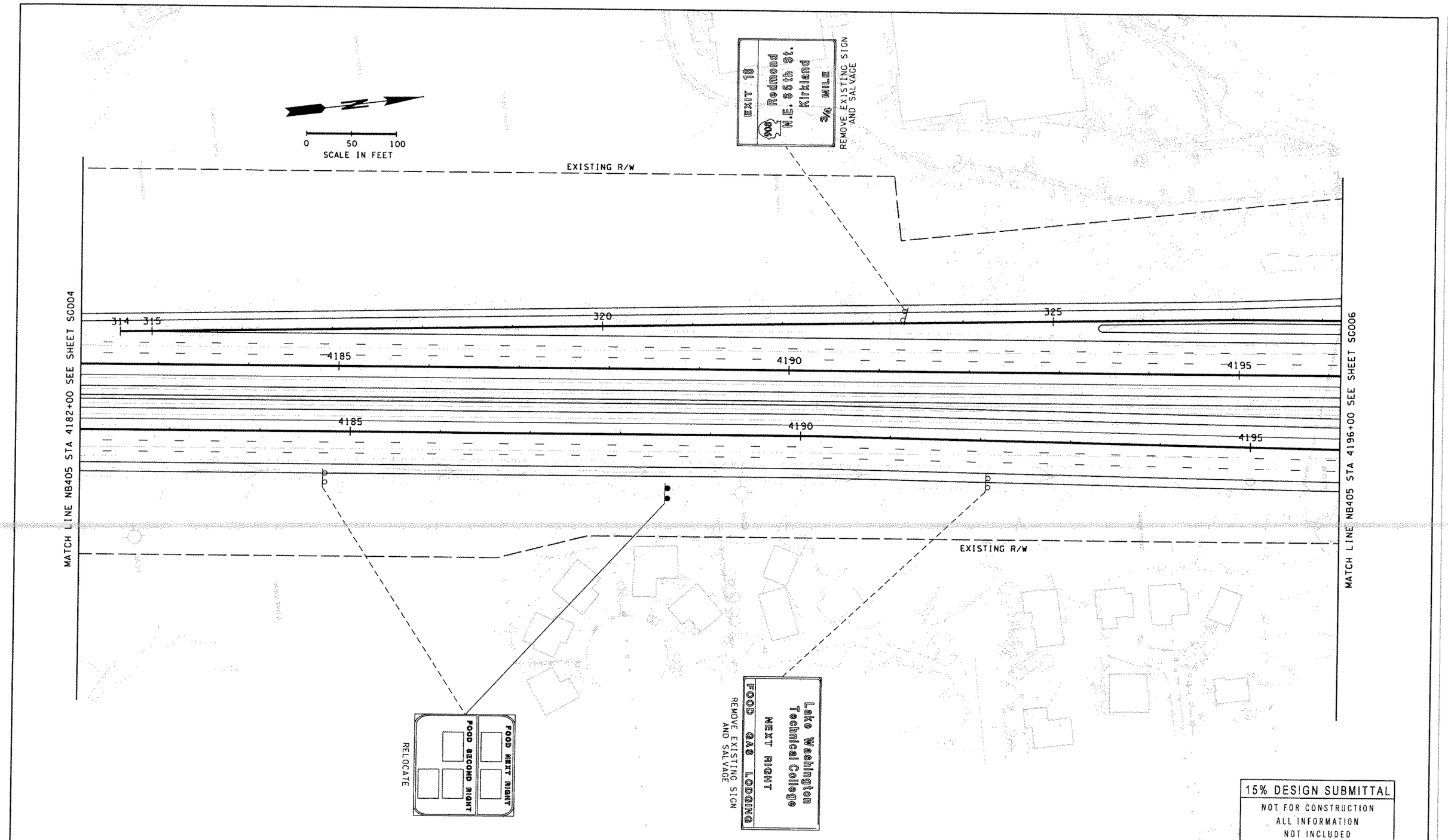
INTERSTATE 405 Project Team
Washington State Department of Transportation

I-405 CONGESTION RELIEF & BUS RAPID TRANSIT PROJECTS
KIRKLAND NICKEL
STAGE 1

GUIDE SIGN PLAN

SG004

SHEET OF XXX SHEETS



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DESIGNED BY X.XXXXXXXXXXXXXX					
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CHECKED BY X,XXXXXXXXXXXXXX				CONTRACT NO.	LOCATION NO.
PROJ. ENGR. X.XXXXXXXXXXXXXX					
REGIONAL ADM. X.XXXXXXXXXXXXXX	REVISION	DATE	BY		

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

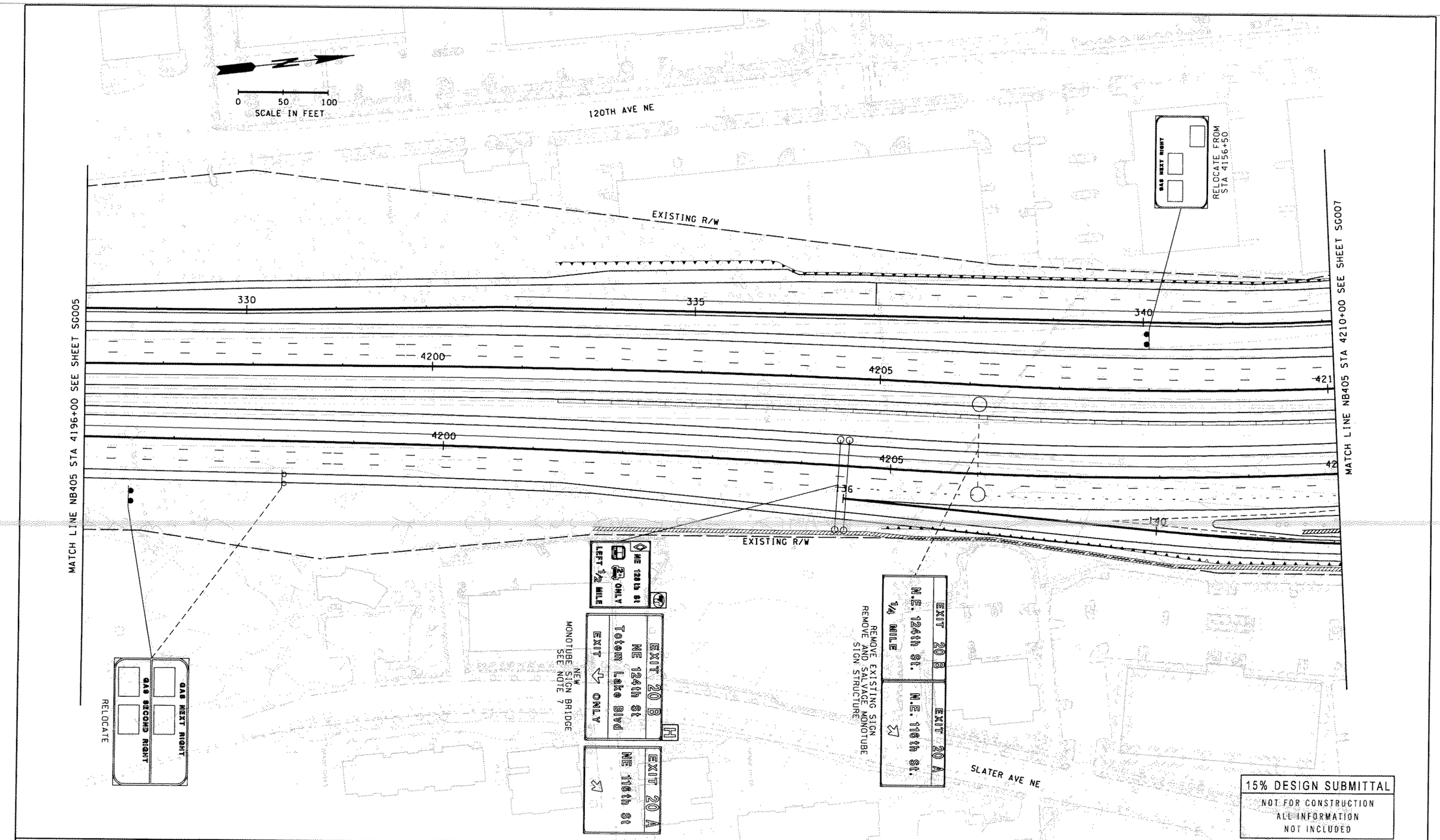
INTERSTATE 405 Project Team
Washington State Department of Transportation

I-405 CONGESTION RELIEF & BUS RAPID TRANSIT PROJECTS
KIRKLAND NICKEL
STAGE 1

GUIDE SIGN PLAN

SG005

SHEET OF XXX SHEETS



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ALL INFORMATION
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CHECKED BY X,XXXXXXXXXXXXXX					
PROJ. ENGR. X.XXXXXXXXXXXXXX					
REGIONAL ADM. X.XXXXXXXXXXXXXX	REVISION	DATE	BY		

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

P.E. STAMP BOX DATE

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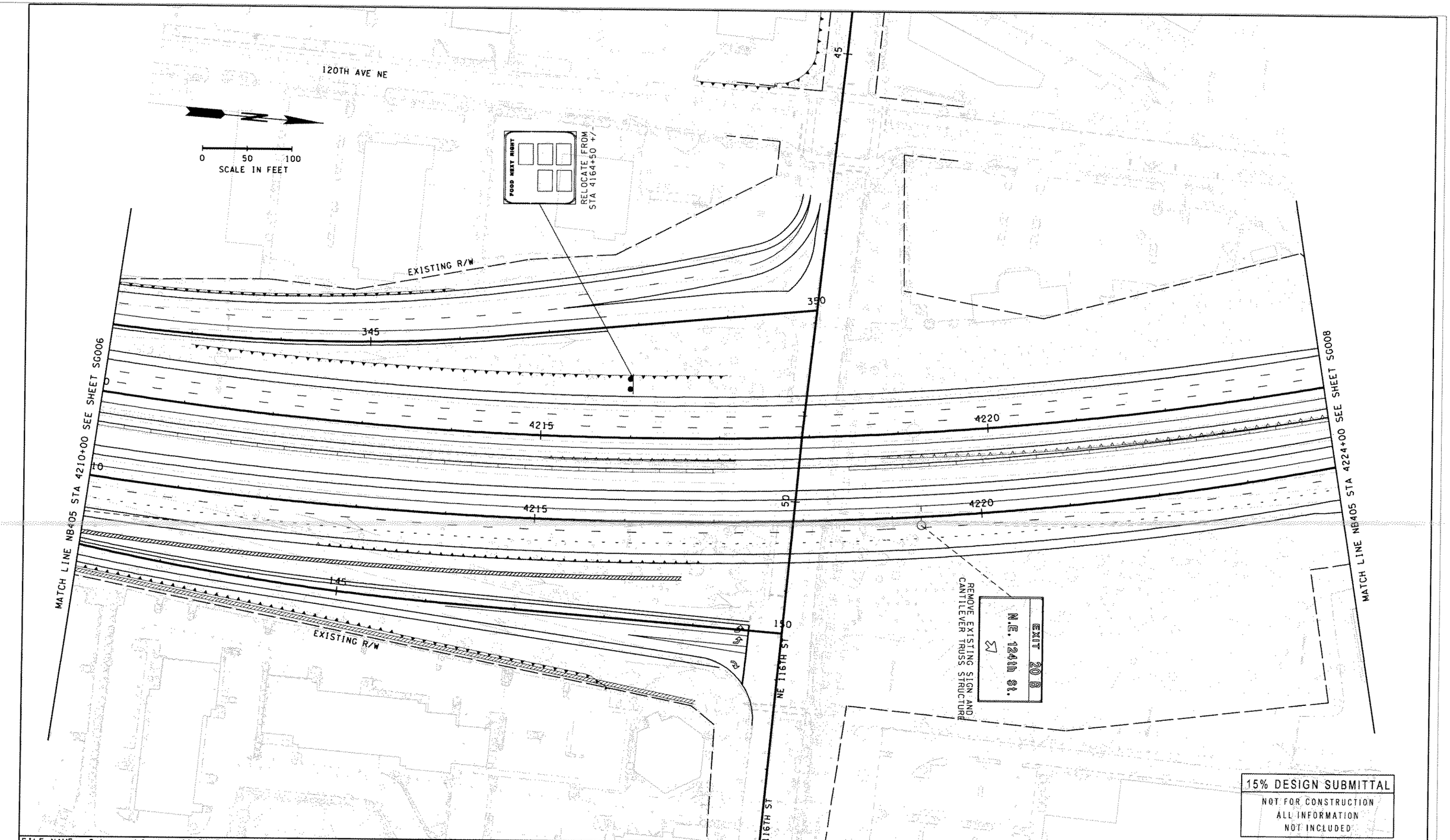
INTERSTATE 405 Project Team
Washington State Department of Transportation

I-405 CONGESTION RELIEF & BUS RAPID TRANSIT PROJECTS
KIRKLAND NICKEL
STAGE 1

GUIDE SIGN PLAN

SG006

SHEET OF XXX SHEETS



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PROJ. ENGR. X.XXXXXXXXXXXXXX						
REGIONAL ADM. X.XXXXXXXXXXXXXX	REVISION	DATE	BY			

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

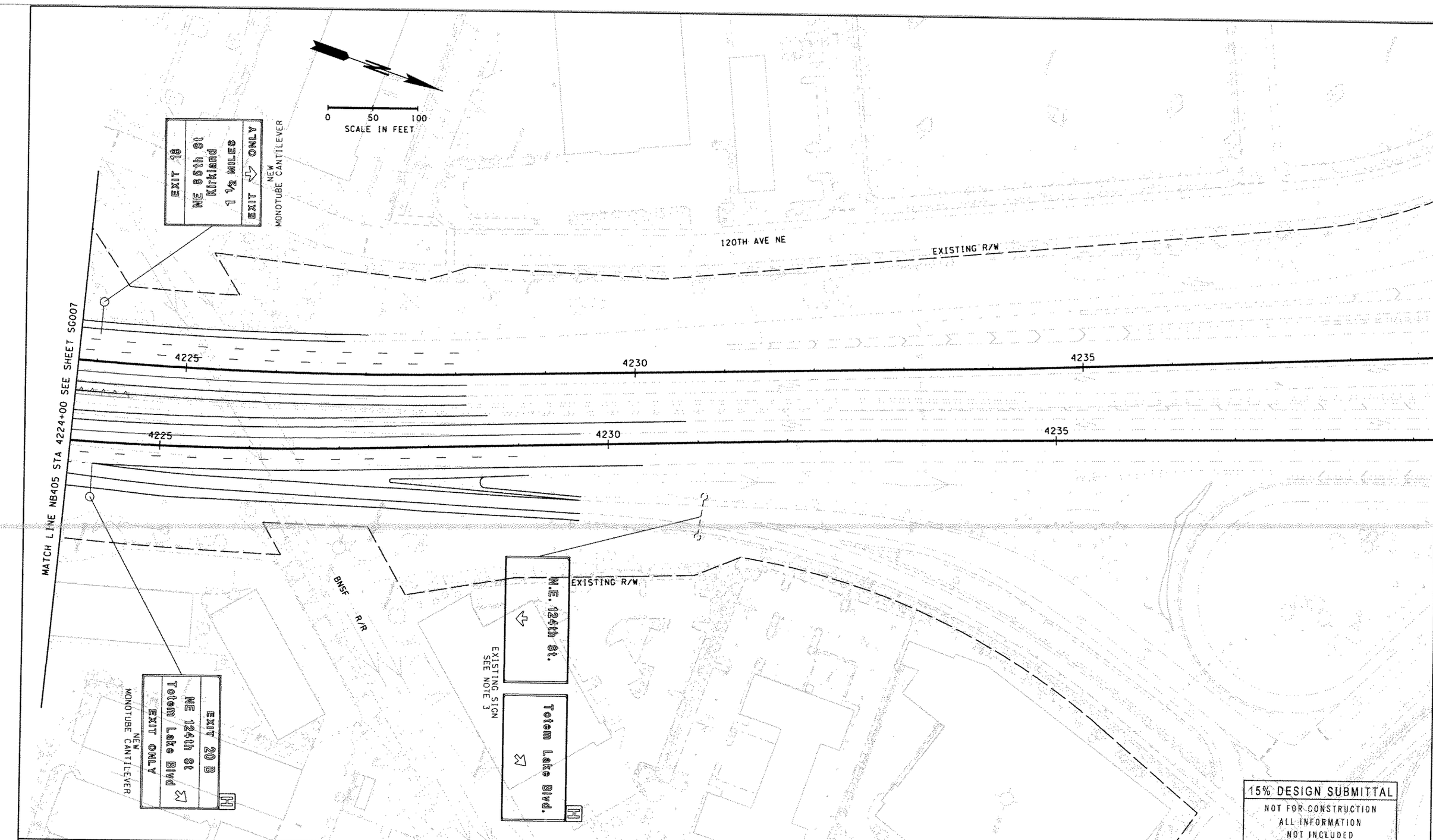
INTERSTATE 405 Project Team
Washington State Department of Transportation

I-405 CONGESTION RELIEF &
BUS RAPID TRANSIT PROJECTS
KIRKLAND NICKEL
STAGE 1

GUIDE SIGN PLAN

SG007

SHEET OF XXX SHEETS



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DESIGNED BY X. XXXXXXXXXXXXXXX							
ENTERED BY X. XXXXXXXXXXXXXXX							
CHECKED BY X. XXXXXXXXXXXXXXX							
PROJ. ENGR. X. XXXXXXXXXXXXXXX							
REGIONAL ADM. X. XXXXXXXXXXXXXXX	REVISION	DATE	BY				

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

INTERSTATE 405 Project Team
Washington State Department of Transportation

I-405 CONGESTION RELIEF & BUS RAPID TRANSIT PROJECTS
KIRKLAND NICKEL
STAGE 1

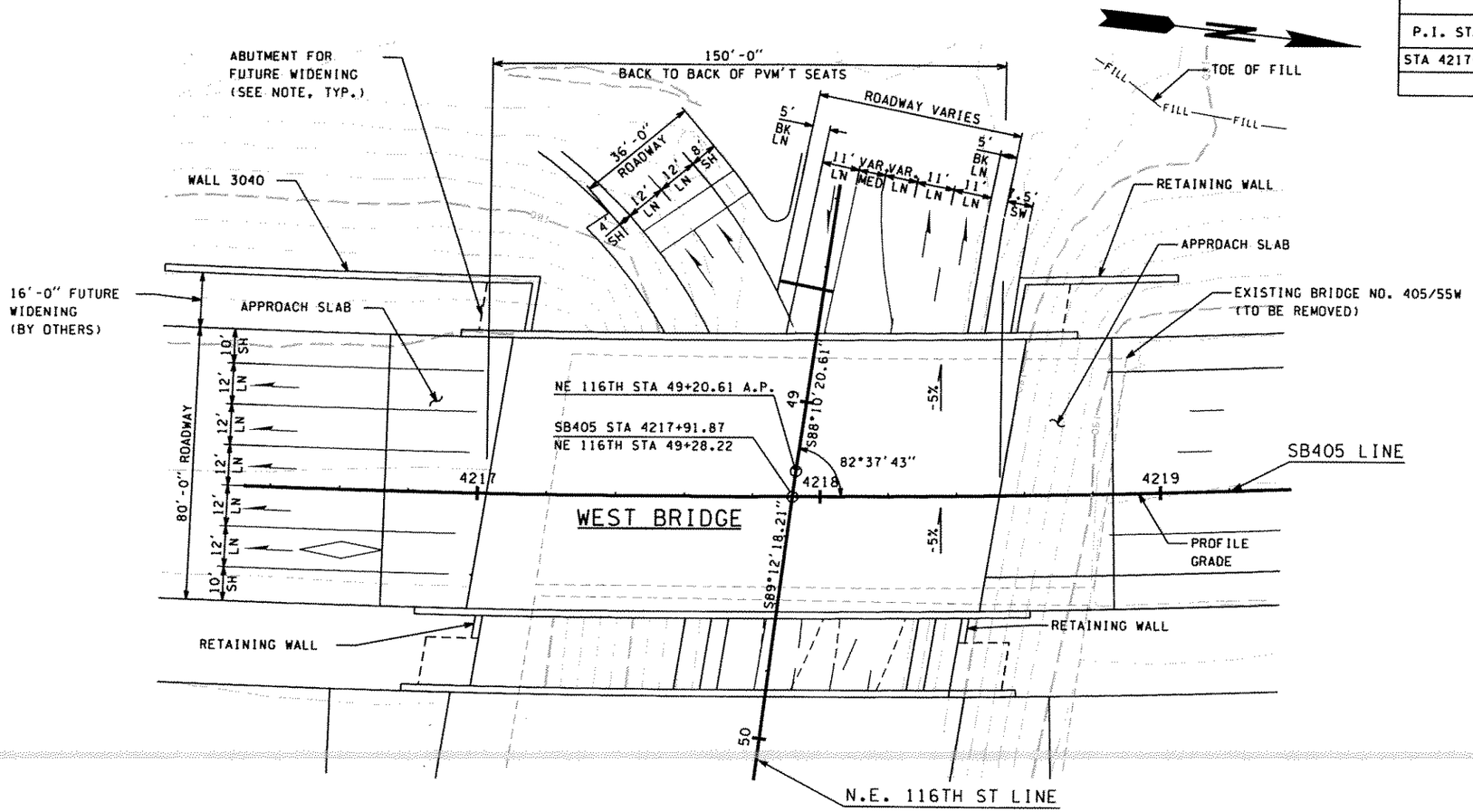
GUIDE SIGN PLAN

SG008

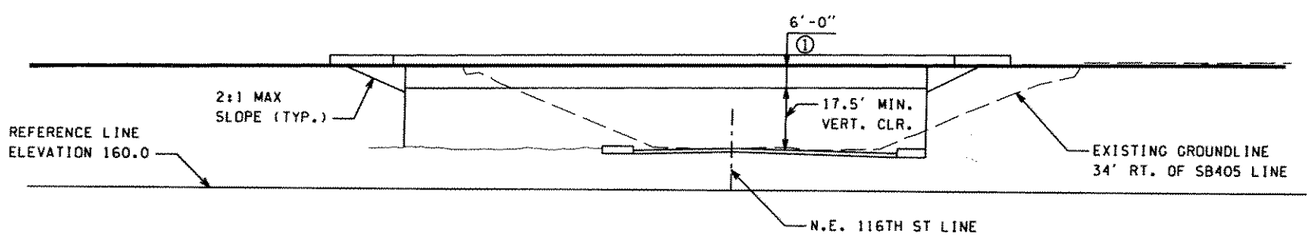
SHEET OF XXX SHEETS

SB405 LINE CURVE DATA

P.I. STATION	△	RADIUS	TANGENT	LENGTH	AHEAD TANGENT
STA 4217+41.70	29°37'57"LT	4235.00	1120.22	2190.27	N20°12'13"W



PLAN



ELEVATION

GRADE ELEVATIONS SHOWN ARE FINISH GRADES AT TOP OF ROADWAY SLAB ON SB405 LINE AND ARE EQUAL TO PROFILE GRADE. SEE STANDARD PLAN H-9 FOR EMBANKMENT DETAILS AT BRIDGE ENDS.

NOTES TO DESIGNER:

EXISTING N.E. 116TH ST. LINE NOT MODIFIED FOR BRIDGE LAYOUT.

ABUTMENT ON SOUTH SIDE OF STRUCTURE TO BE BUILT TO ACCOMODATE FUTURE 16'-0" WIDENING.

FOR EXISTING UTILITIES, SEE EXISTING UTILITIES BASEMAP.

P.V.I.C.
SB405 STA. 4222+79.88
ELEV.: 202.85
L.V.C.: 1661.27

1.02% △ -3.18%

SB405 LINE PROFILE

① 1" SUPERELEVATION CHANGE
8" SLAB
4" HAUNCH (TO TOP OF WEB)
59" GIRDER DEPTH (TO BOTTOM OF GIRDER)
72" STRUCTURE DEPTH FROM TOP OF PAVEMENT

COMPOSITE STEEL PLATE GIRDER
LOADING: HL-93
OR
TWO 24 KIP AXLES @ 4' CTRS.

DATUM
N.A.V.D. 88

15% DESIGN SUBMITTAL
NOT FOR CONSTRUCTION
ALL INFORMATION NOT INCLUDED

FILE NAME C:\pwworking\dms02159\3ps158a250c_br001_stg1.dgn					
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DATE 9/13/2004					
PLOTTED BY ADeGuzman				JOB NUMBER	
DESIGNED BY J. MILES					
ENTERED BY C. SAXE					
CHECKED BY E. GRIMM				CONTRACT NO.	LOCATION NO.
PROJ. ENGR. T. SCHNETZER					
REGIONAL ADM. D. DYE	REVISION	DATE	BY		

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

INTERSTATE 405 Project Team
Washington State Department of Transportation

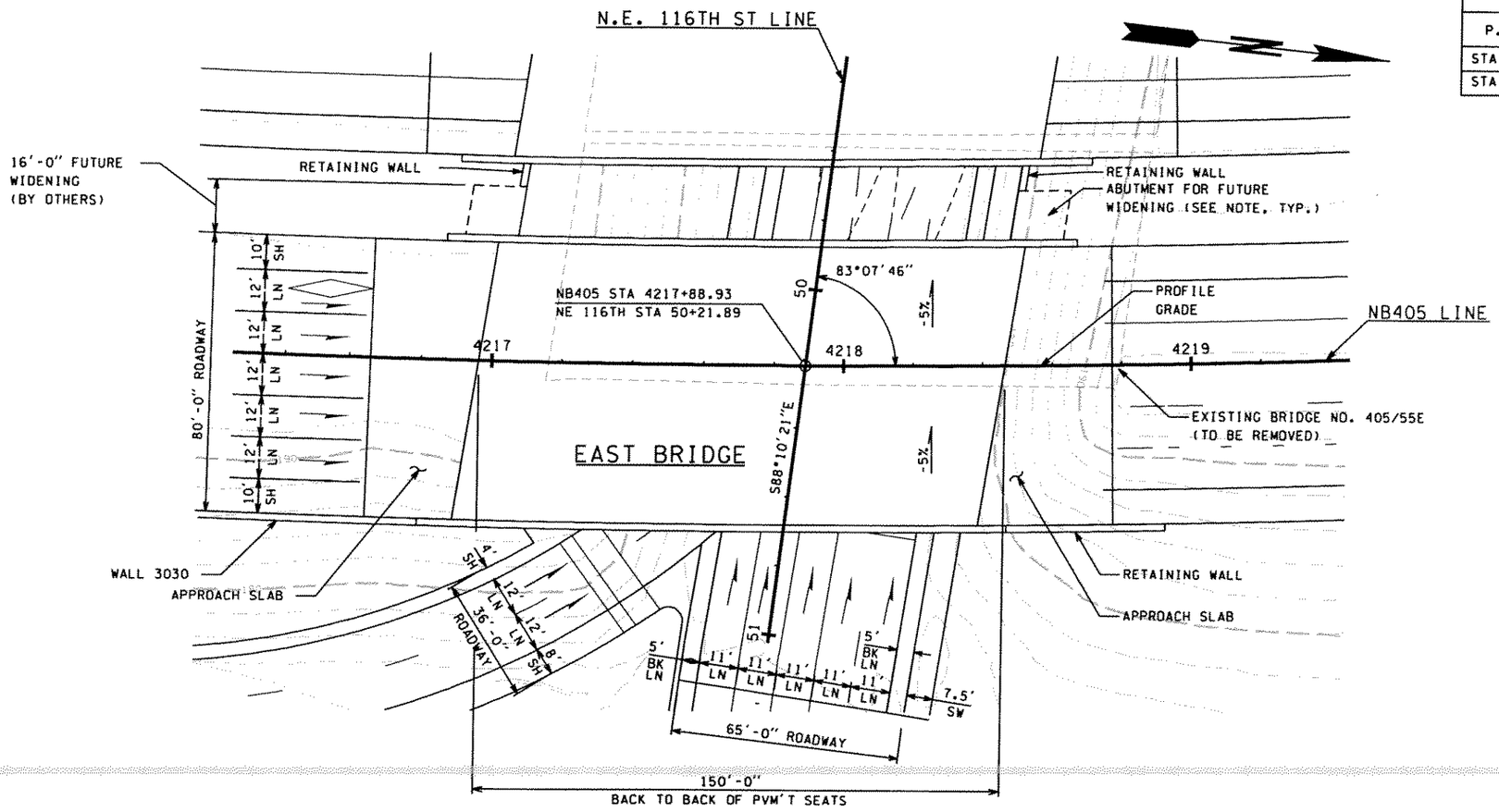
I-405 CONGESTION RELIEF & BUS RAPID TRANSIT PROJECTS
KIRKLAND NICKEL
STAGE 1
SB405/N.E. 116TH ST OVERCROSSING

BRIDGE LAYOUT

BR001

SHEET — OF — SHEETS

NB405 LINE CURVE DATA					
P.I. STATION	△	RADIUS	TANGENT	LENGTH	AHEAD TANGENT
STA 4211+95.26	17°34'15" LT	4589.00	709.21	1407.29	N7°22'45"W
STA 4223+12.71	13°07'22" LT	3646.05	419.37	835.08	N20°30'07W

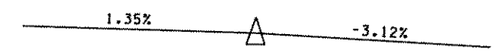


PLAN

NOTES TO DESIGNER:

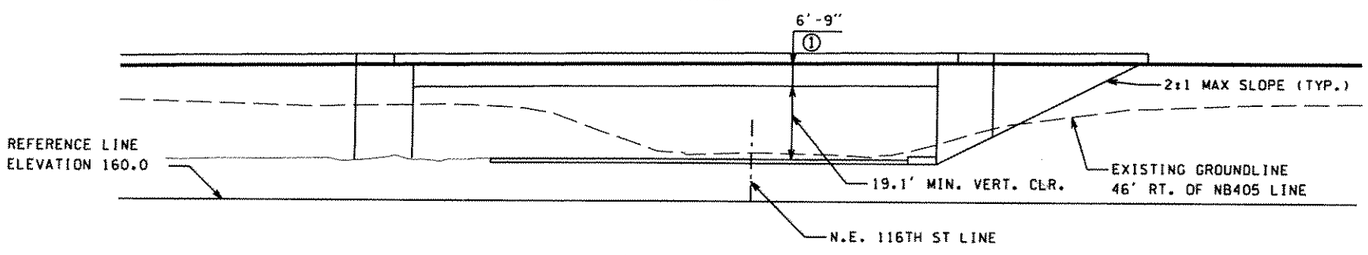
EXISTING N.E. 116TH ST. LINE NOT MODIFIED FOR BRIDGE LAYOUT.
ABUTMENT ON BOTH SIDES OF STRUCTURE TO BE BUILT TO ACCOMODATE FUTURE 16'-0" WIDENING.
FOR EXISTING UTILITIES, SEE EXISTING UTILITIES BASEMAP.

P.V.I.C.
NB405 STA. 4220+47.81
ELEV.: 207.88
L.V.C.: 1640.00



NB405 LINE PROFILE

① 1" SUPERELEVATION CHANGE
8" SLAB
4" HAUNCH (TO TOP OF WEB)
68" GIRDER DEPTH (TO BOTTOM OF GIRDER)
81" STRUCTURE DEPTH FROM TOP OF PAVEMENT



ELEVATION

GRADE ELEVATIONS SHOWN ARE FINISH GRADES AT TOP OF ROADWAY SLAB ON SB405 LINE AND ARE EQUAL TO PROFILE GRADE.
SEE STANDARD PLAN H-9 FOR EMBANKMENT DETAILS AT BRIDGE ENDS.

COMPOSITE STEEL PLATE GIRDER
LOADING: HL-93
OR
TWO 24 KIP AXLES @ 4' CTRS.

DATUM
N.A.V.D. 88

15% DESIGN SUBMITTAL
NOT FOR CONSTRUCTION
ALL INFORMATION NOT INCLUDED

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DATE 9/13/2004				10 / WASH	
PLOTTED BY ADeGuzman				JOB NUMBER	
DESIGNED BY J. MILES					
ENTERED BY C. SAXE				CONTRACT NO.	LOCATION NO.
CHECKED BY E. GRIMM					
PROJ. ENGR. T. SCHNETZER					
REGIONAL ADM. D. DYE	REVISION	DATE	BY		

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

INTERSTATE 405 Project Team
Washington State Department of Transportation

I-405 CONGESTION RELIEF & BUS RAPID TRANSIT PROJECTS
KIRKLAND NICKEL STAGE 1
NB405/N.E. 116TH ST OVERCROSSING

BRIDGE LAYOUT

BR002

SHEET — OF — SHEETS