INDEX

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SHEET OF SHEETS

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.

PROJECT LICENSED PROFESSIONAL CERTIFICATES

DUKE H DO Jun 29, 2023 AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	Jeff Davies Jun 29, 2023 AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.
AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.
AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.

NOTES:

THIS PLAN SET WAS DEVELOPED ELECTRONICALLY UNDER THE DIRECT SUPERVISION OF THE LICENSED PROFESSIONALS THAT HAVE AFFIXED THEIR SIGNATURE TO THIS PAGE.

THIS SHEET SERVES AS THE CERTIFICATION BY THE ABOVE LICENSED PROFESSIONALS OF ALL SHEETS IN THIS PLAN SET WHERE THEIR STAMPS AND SIGNATURES APPEAR.

QUANTITY TABULATION - SITE PREPARATION

NOTE:
THE FIRST NUMBER OF THE "CODE" BELOW REFERS TO THE SHEET NO. OR THE SHEET REFERENCE NO. SHOWING THE CONSTRUCTION FEATURE.

THE SECOND NUMBER REFERS TO THE CONSTRUCTION FEATURE FOUND ON THAT SHEET.

CODE	LOCATION ↓ \ UNIT OF MEASURE →	REMOVING CEMENT CONC. CURB	REMOVING CONC. BARRIER	REMOVING GUARDRAIL		REMOVING GUARDRAIL ANCHOR	REMOVING GUIDE POST (INFORMATION ONLY)		ROADWAY EXCAVATION INCL. HAUL	PLANING BITUMINOUS PAVEMENT	INLET PROTECTION	COMPOST SOCK		TEMPORARY BARRIER	REMOVING AND RESETTING TEMPORARY FENCE	TEMPORARY IMPACT ATTENUATOR	SEE GENERAL NOTES
		L.F.	L.F.	L.F.		EACH	EACH		C.Y.	S.Y.	EACH	L.F.		L.F.	L.F.	EACH	
SP1-1	US 2, MP 6.61, D, RT			50		1	3										1
SP2-1	US 2, P1 00818, MP 0.32, I, LT			225		1	4										1
SP3-1	I-5, Q1 16139, MP 0.03, I, RT			75		1			10								
SP4-1	I-5, S1 16279, MP 0.07, I, LT			25		1			70		2				280		2,3
SP5-1	I-4, R1 16586, MP 0.17, I, LT										1			460		1	3
SP6-1	I-5, S1 16615, MP 0.01, I, RT			113		1	2				1						1,3
SP7-1	I-5, Q1 16662, MP 0.11, I , RT			50		1			10						220		
SP8-1	I-5, R1 17091, MP 0.15, I, LT		50	221		1	1		140		2			300			1,2,3
SP9-1	I-5, S1 17414, MP 0.28, I, RT			63		1	1		10		1						1,3
SP10-1	I-5, MP 215.00, I, LT			188		1	2										1
SP11-1	I-5, Q5 25410, MP 0.10, I, RT			138		1	2		10		1						1,3
SP12-1	I-90, S5 01537, MP 0.09, I, RT			160		2	1										1
SP13-1	I-90, S1 01654, MP 0.02, I, LT			75		1	1		10								1
SP14-1	I-405, P3 01406, MP 0.27, I, LT			25		1			10								
SP14-2	I-405, P3 01406, MP 0.28, I, RT			50		2	1		30		1						1,3
SP15-1	I-405, P3 01406, MP 0.4, I, LT	80		63		1			20								
SP16-1	I-405, S5 01815, MP 0.18, I, LT			150		1	2		10								1
SP17-1	I-405, S1 01986, MP 0.13, I, RT		150	25		1			10								
SP18-1	I-405, R1 02065, MP 0.22, I, LT			75		1			10								
SP19-1	I-405, S1 02630, MP 0.03, I, RT		70	58		1			10								
SP20-1	I-405, Q1 02734, MP 0.03, I, RT			430		1	4			30	5	450					1,3
SP21-1	SR 522, P1 01266, MP 0.14, I, RT			100		2	1										1
SP22-1	SR 522, MP 17.40, I, RT			75		1	1		10								1
SP23-1	SR 522, MP 17.56, D, RT			75		1	1										1
	SHEET TOTAL	80	270	2509		26	27		370	30	14	450		760	500	1	
	PROJECT TOTAL	80	270	2509		26	27		370	30	14	450		760	500	1	

GENERAL NOTES:

1. SEE STANDARD SPECIFICATIONS FOR REMOVING GUIDE POSTS.

2. TEMPORARY IMPACT ATTENUATORS SHALL BE SELECTED FROM THE FOLLOWING APPROVED LIST:
- BARRRIER SYSTEMS ABSORB 350 TL-3
- LINDSAY TRANSPORTATION SOLUTIONS ABSORB-M TL-3
- QUADGUARD CZ
- TRINITY ATTENUATING CRASH CUSHION
- ENERGY ABSORPTION TRITON CET TL-3
- ENERGY ABSORPTION QUEST TL-3
- ENERGY ABSORPTION ACZ TL-3
- TRAFFIX DEVICES SLED TL-3

3. SEE STANDARD PLAN I-40.20 FOR INLET PROTECTION.

DESIGNED BY	Z. SANETO				
ENTERED BY	K. KIM				
CHECKED BY	N.MENZEL				
PROJ. ENGR.	A. EMERSON				
REGION ADM.	B. NIELSEN				
		DATE	**DATE**	**REVISION**	**BY**

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	

JOB NUMBER 22A023

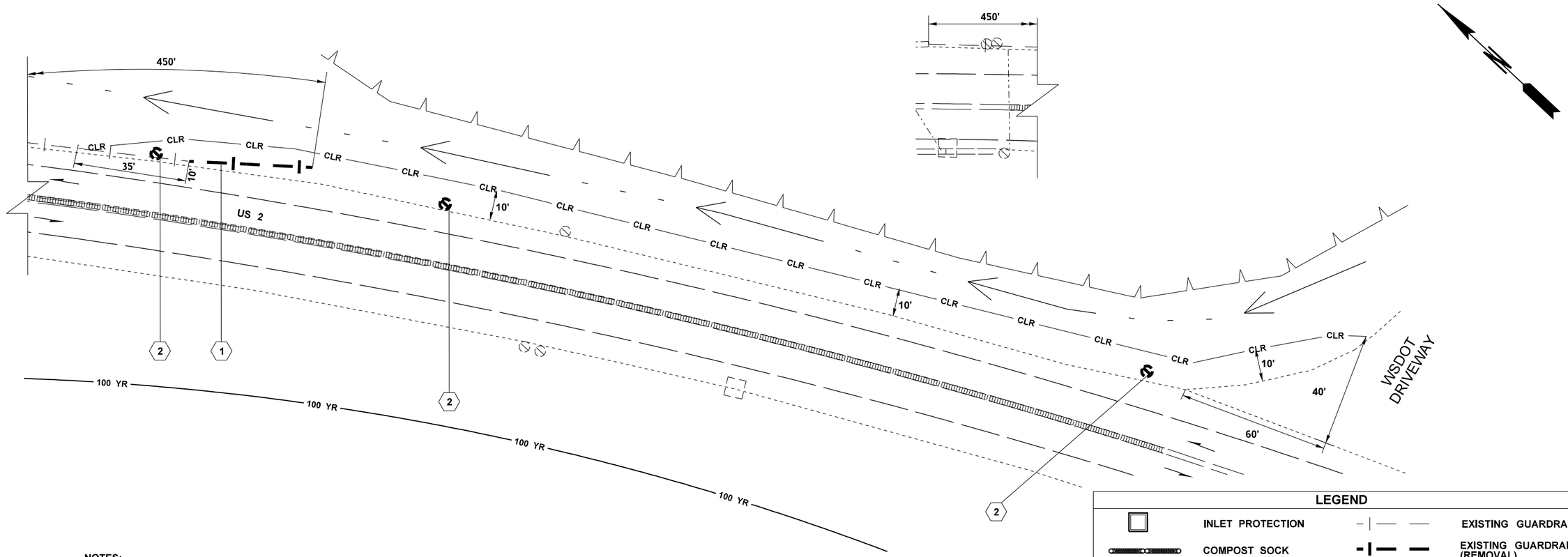
CONTRACT NO.

Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE
TERMINAL REPLACEMENT 21-23

QUANTITY TABULATION - SITE PREPARATION

QTSP 1



NOTES:

1. SEE SHEET BP1 & BN1 FOR MORE INFORMATION.
2. SEE SPECIAL PROVISIONS FOR MORE INFORMATION ON CLEARING. CLEARING LIMITS ON PLANS ARE INFORMATION ONLY, THE CLEARING LIMITS SHALL BE LIMITED TO THE AREA NEEDED TO INSTALL THE NEW GUARDRAIL PER THE STANDARD PLANS.

CONSTRUCTION NOTES:

1. REMOVE EXISTING GUARDRAIL TERMINAL/GUARDRAIL
2. REMOVE EXISTING FLEXIBLE GUIDEPOST
3. INSTALL COMPOST SOCKS TO PROTECT THE EXISTING DITCH
4. ROADWAY EXCAVATION (INCL. HAUL)
5. INLET PROTECTION
6. SAWCUT THE BLUNT END OF CEMENT CONC. CURB AT A 45 DEGREE ANGLE
7. REMOVE EXISTING CONC. BARRIER
8. REMOVE EXISTING PERMANENT IMPACT ATTNEUATOR
9. TEMPORARY ATTENAUTOR/TEMPORARY BARRIER
10. REMOVE ASPHALT CONC. CURB
11. REMOVE/RESET TEMPORARY FENCING

US 2, MP 6.61, D, RT
(US 2 MAINLINE MP 6.61)

0 20 40
SCALE IN FEET

LEGEND

	INLET PROTECTION		EXISTING GUARDRAIL
	COMPOST SOCK		EXISTING GUARDRAIL (REMOVAL)
	TREES		EXISTING IMPACT ATTENUATOR
	HEDGES		EXISTING CONC. BARRIER
	TREE LINE		RUMBLE STRIP
	BUSH LINE		FENCE
	AREA INLET		RETAINING WALL
UD	EXISTING UNDER DRAIN LINE		TEMPORARY BARRIER
ST	EXISTING STORM SEWER LINE		TEMPORARY IMPACT ATTENUATOR
	EXISTING DRAIN INLET		EXISTING FIRE HYDRANT
	DETENTION POND		EXISTING GUIDE POST
	EXISTING DITCH		ELECTRICAL CABINETS
100 YR	100 YEAR FLOOD PLAIN		EXISTING SIGNS
	RAMP METERS		LUMINAIRES
	EDGE OF PAVEMENT	CLR	CLEARING
	BRIDGE COLUMN		

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\03_XL6411_PS_SP.dgn					
TIME	9:20:05 AM				REGION NO. 10	STATE WASH
DATE	6/23/2023					FED.AID PROJ.NO.
PLOTTED BY	KimKath				JOB NUMBER 22A023	
DESIGNED BY	Z. SANETO				CONTRACT NO.	LOCATION NO.
ENTERED BY	Z. SANETO					
CHECKED BY	N. MENZEL					
PROJ. ENGR.	A. EMERSON					
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY		

JEFFERY A. DAVIES — STATE OF WASHINGTON — 53724 — REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
P.E. STAMP BOX

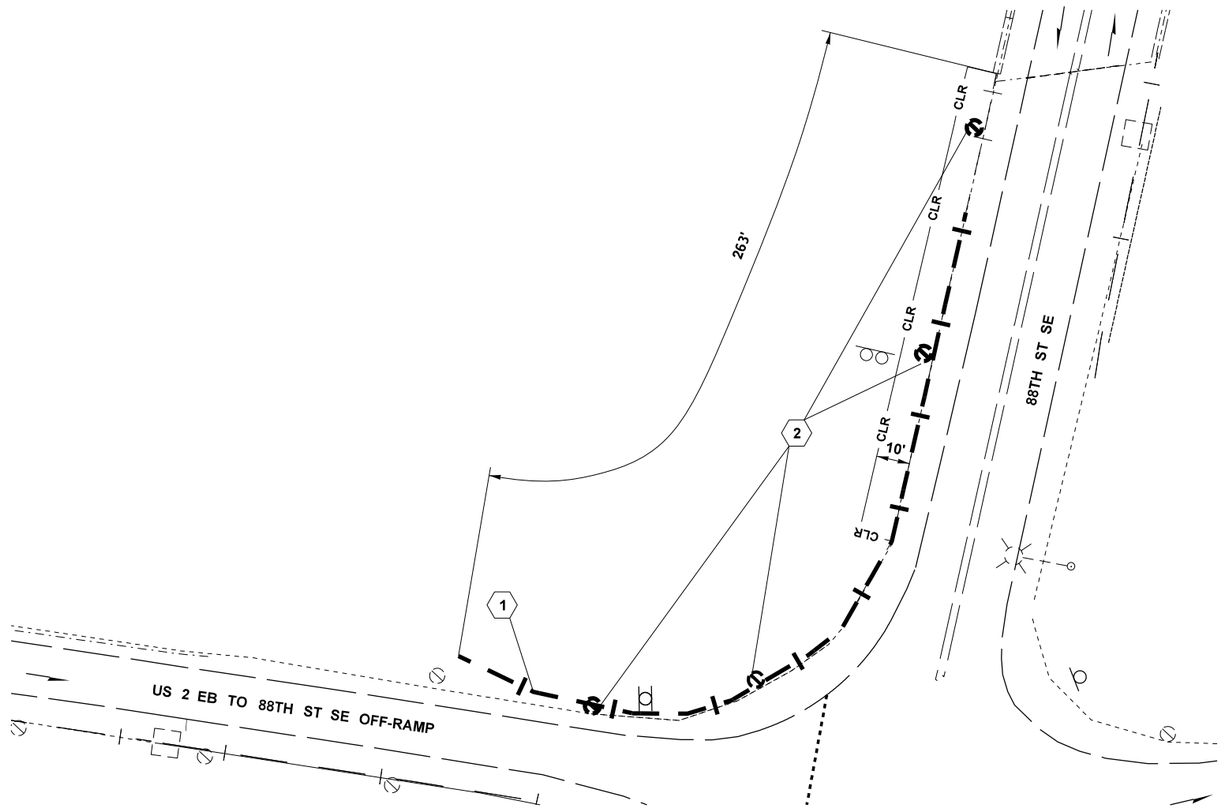
DATE
P.E. STAMP BOX

Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

SITE PREPARATION PLAN

Plot 1
PLAN REF NO SP1
SHEET 8 OF 134 SHEETS



NOTES:

1. SEE SHEET BP2 & BN1 FOR MORE INFORMATION.
2. SEE SPECIAL PROVISIONS FOR MORE INFORMATION ON CLEARING. CLEARING LIMITS ON PLANS ARE INFORMATION ONLY, THE CLEARING LIMITS SHALL BE LIMITED TO THE AREA NEEDED TO INSTALL THE NEW GUARDRAIL PER THE STANDARD PLANS.

LEGEND

	INLET PROTECTION		EXISTING GUARDRAIL
	COMPOST SOCK		EXISTING GUARDRAIL (REMOVAL)
	TREES		EXISTING IMPACT ATTENUATOR
	HEDGES		EXISTING CONC. BARRIER
	TREE LINE		RUMBLE STRIP
	BUSH LINE		FENCE
	AREA INLET		RETAINING WALL
UD	EXISTING UNDER DRAIN LINE		TEMPORARY BARRIER
ST	EXISTING STORM SEWER LINE		TEMPORARY IMPACT ATTENUATOR
	EXISTING DRAIN INLET		EXISTING FIRE HYDRANT
	DETENTION POND		EXISTING GUIDE POST
	EXISTING DITCH		ELECTRICAL CABINETS
100 YR	100 YEAR FLOOD PLAIN		EXISTING SIGNS
	RAMP METERS		LUMINAIRES
	EDGE OF PAVEMENT	CLR	CLEARING
	BRIDGE COLUMN		

CONSTRUCTION NOTES:

1. REMOVE EXISTING GUARDRAIL TERMINAL/GUARDRAIL
2. REMOVE EXISTING FLEXIBLE GUIDEPOST
3. INSTALL COMPOST SOCKS TO PROTECT THE EXISTING DITCH
4. ROADWAY EXCAVATION (INCL. HAUL)
5. INLET PROTECTION
6. SAWCUT THE BLUNT END OF CEMENT CONC. CURB AT A 45 DEGREE ANGLE
7. REMOVE EXISTING CONC. BARRIER
8. REMOVE EXISTING PERMANENT IMPACT ATTNEUATOR
9. TEMPORARY ATTENAUTOR/TEMPORARY BARRIER
10. REMOVE ASPHALT CONC. CURB
11. REMOVE/RESET TEMPORARY FENCING

US 2, P1 00818, MP 0.32, I, LT
(US 2 EB TO 88TH ST OFF-RAMP)

0 20 40
SCALE IN FEET

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\03_XL6411_PS_SP.dgn
TIME	9:20:14 AM
DATE	6/23/2023
PLOTTED BY	KimKath
DESIGNED BY	Z. SANETO
ENTERED BY	Z. SANETO
CHECKED BY	N. MENZEL
PROJ. ENGR.	A. EMERSON
REGIONAL ADM.	B. NIELSEN

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22A023		
CONTRACT NO.		LOCATION NO.

JEFFERY A. DAVIES — STATE OF WASHINGTON — 53724 — REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
P.E. STAMP BOX

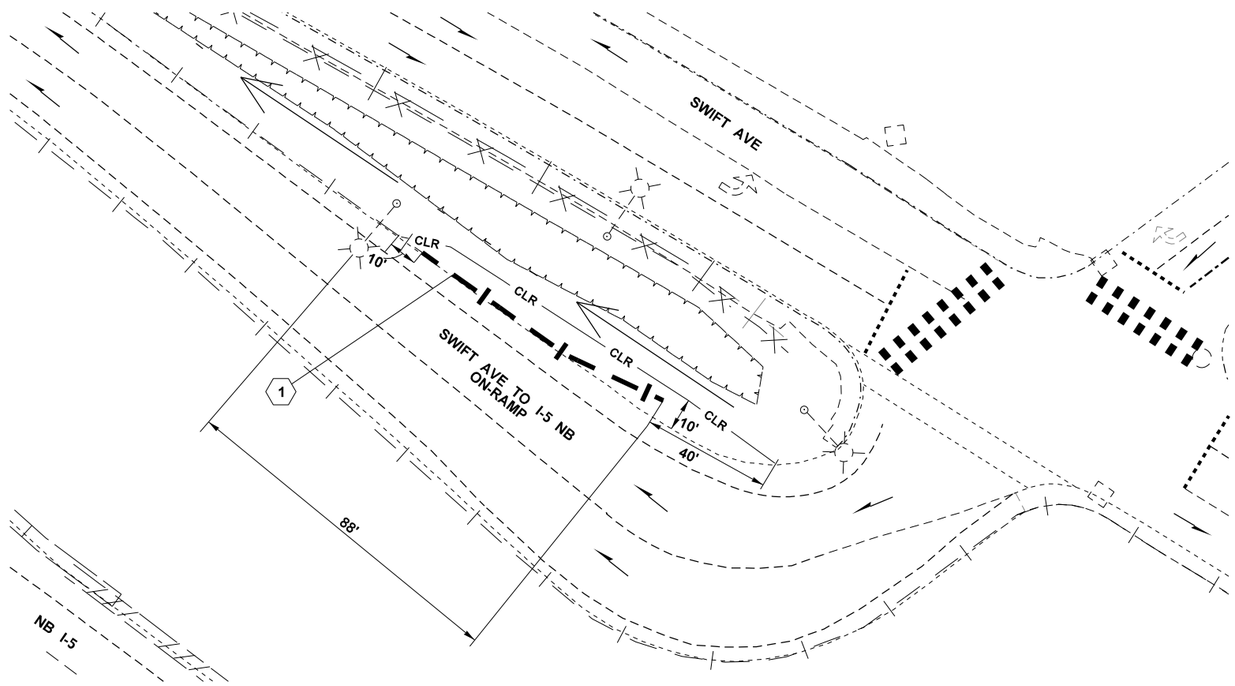
DATE
P.E. STAMP BOX

Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

SITE PREPARATION PLAN

Plot 2
PLAN REF NO SP2
SHEET 9 OF 134 SHEETS



NOTES:

1. SEE SHEET BP3 & BN1 FOR MORE INFORMATION.
2. SEE SPECIAL PROVISIONS FOR MORE INFORMATION ON CLEARING. CLEARING LIMITS ON PLANS ARE INFORMATION ONLY, THE CLEARING LIMITS SHALL BE LIMITED TO THE AREA NEEDED TO INSTALL THE NEW GUARDRAIL PER THE STANDARD PLANS.

LEGEND

	INLET PROTECTION		EXISTING GUARDRAIL
	COMPOST SOCK		EXISTING GUARDRAIL (REMOVAL)
	TREES		EXISTING IMPACT ATTENUATOR
	HEDGES		EXISTING CONC. BARRIER
	TREE LINE		RUMBLE STRIP
	BUSH LINE		FENCE
	AREA INLET		RETAINING WALL
UD	EXISTING UNDER DRAIN LINE		TEMPORARY BARRIER
ST	EXISTING STORM SEWER LINE		TEMPORARY IMPACT ATTENUATOR
	EXISTING DRAIN INLET		EXISTING FIRE HYDRANT
	DETENTION POND		EXISTING GUIDE POST
	EXISTING DITCH		ELECTRICAL CABINETS
100 YR	100 YEAR FLOOD PLAIN		EXISTING SIGNS
	RAMP METERS		LUMINAIRES
	EDGE OF PAVEMENT	CLR	CLEARING
	BRIDGE COLUMN		

CONSTRUCTION NOTES:

1. REMOVE EXISTING GUARDRAIL TERMINAL/GUARDRAIL
2. REMOVE EXISTING FLEXIBLE GUIDEPOST
3. INSTALL COMPOST SOCKS TO PROTECT THE EXISTING DITCH
4. ROADWAY EXCAVATION (INCL. HAUL)
5. INLET PROTECTION
6. SAWCUT THE BLUNT END OF CEMENT CONC. CURB AT A 45 DEGREE ANGLE
7. REMOVE EXISTING CONC. BARRIER
8. REMOVE EXISTING PERMANENT IMPACT ATTNEUATOR
9. TEMPORARY ATTENAUTOR/TEMPORARY BARRIER
10. REMOVE ASPHALT CONC. CURB
11. REMOVE/RESET TEMPORARY FENCING

I-5, Q1 16139, MP 0.03, I, RT
(SWIFT AVE TO I-5 NB ON-RAMP)

0 20 40
SCALE IN FEET

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\03_XL6411_PS_SP.dgn
TIME	9:20:23 AM
DATE	6/23/2023
PLOTTED BY	KimKath
DESIGNED BY	Z. SANETO
ENTERED BY	Z. SANETO
CHECKED BY	N. MENZEL
PROJ. ENGR.	A. EMERSON
REGIONAL ADM.	B. NIELSEN

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO.

JOB NUMBER 22A023

CONTRACT NO. | LOCATION NO.

JEFFERY A. DAVIES — STATE OF WASHINGTON — 33724 — REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
P.E. STAMP BOX

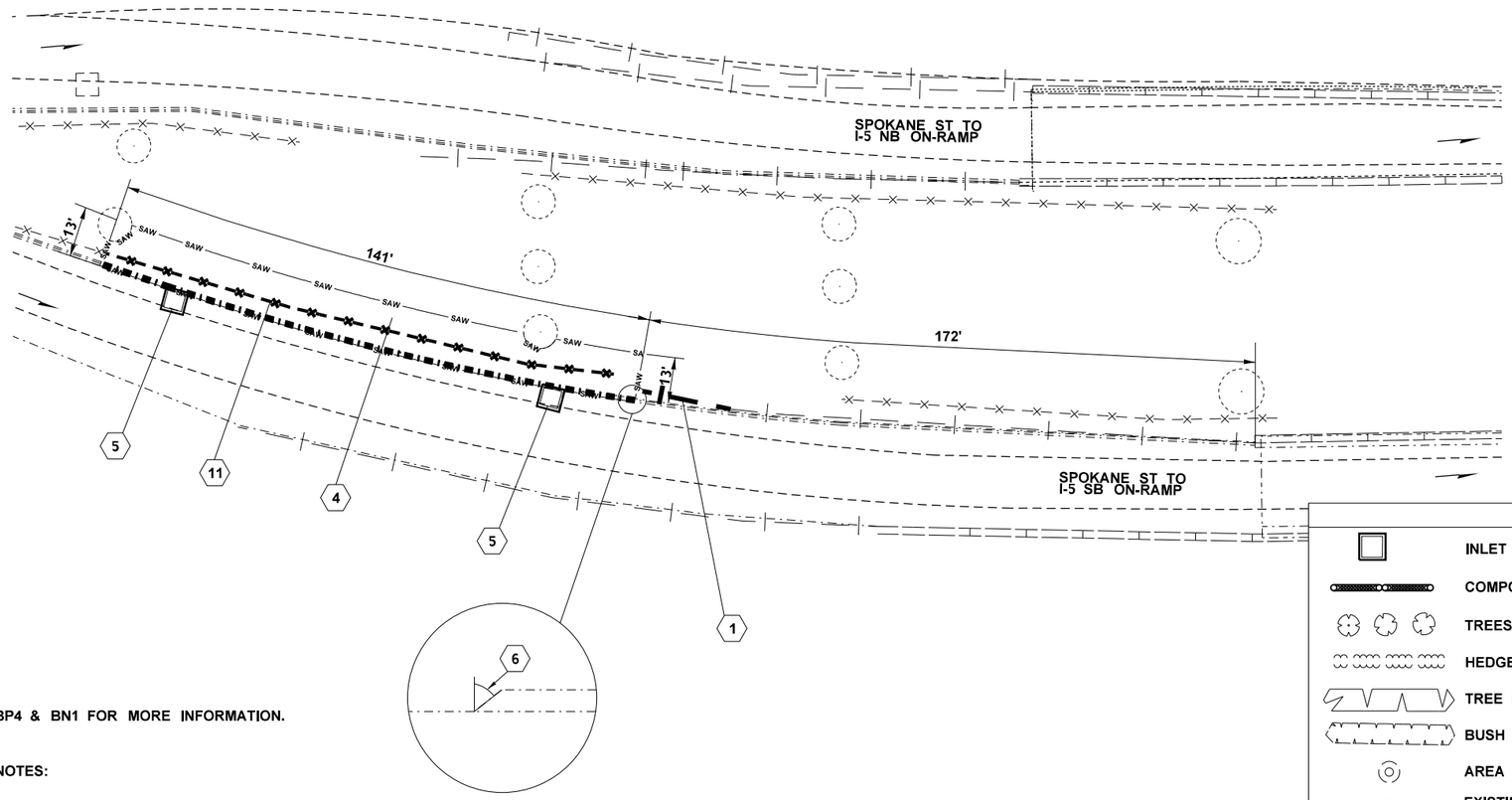
DATE
P.E. STAMP BOX

Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

SITE PREPARATION PLAN

Plot 3
PLAN REF NO SP3
SHEET 10 OF 134 SHEETS



NOTES:

1. SEE SHEETS BP4 & BN1 FOR MORE INFORMATION.

CONSTRUCTION NOTES:

1. REMOVE EXISTING GUARDRAIL TERMINAL/GUARDRAIL
2. REMOVE EXISTING FLEXIBLE GUIDEPOST
3. INSTALL COMPOST SOCKS TO PROTECT THE EXISTING DITCH
4. ROADWAY EXCAVATION (INCL. HAUL)
5. INLET PROTECTION
6. SAWCUT THE BLUNT END OF CEMENT CONC. CURB AT A 45 DEGREE ANGLE
7. REMOVE EXISTING CONC. BARRIER
8. REMOVE EXISTING PERMANENT IMPACT ATTNEUATOR
9. TEMPORARY ATTENAUTOR/TEMPORARY BARRIER
10. REMOVE ASPHALT CONC. CURB
11. REMOVE/RESET TEMPORARY FENCING

I-5, S1 16279, MP 0.07, I, LT
(SPOKANE ST TO I-5 RAMPS)

0 20 40
SCALE IN FEET

LEGEND

	INLET PROTECTION		EXISTING GUARDRAIL
	COMPOST SOCK		EXISTING GUARDRAIL (REMOVAL)
	TREES		EXISTING IMPACT ATTENUATOR
	HEDGES		EXISTING CONC. BARRIER
	TREE LINE		RUMBLE STRIP
	BUSH LINE		FENCE
	AREA INLET		RETAINING WALL
UD	EXISTING UNDER DRAIN LINE		TEMPORARY BARRIER
ST	EXISTING STORM SEWER LINE		TEMPORARY IMPACT ATTENUATOR
	EXISTING DRAIN INLET		EXISTING FIRE HYDRANT
	DETENTION POND		EXISTING GUIDE POST
	EXISTING DITCH		ELECTRICAL CABINETS
100 YR	100 YEAR FLOOD PLAIN		EXISTING SIGNS
	RAMP METERS		LUMINAIRES
	EDGE OF PAVEMENT	CLR	CLEARING
	BRIDGE COLUMN		

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\03_XL6411_PS_SP.dgn
TIME	9:20:32 AM
DATE	6/23/2023
PLOTTED BY	KimKath
DESIGNED BY	Z. SANETO
ENTERED BY	Z. SANETO
CHECKED BY	N. MENZEL
PROJ. ENGR.	A. EMERSON
REGIONAL ADM.	B. NIELSEN

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22A023		
CONTRACT NO.		LOCATION NO.

JEFFERY A. DAVIES, STATE OF WASHINGTON, 53724, REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
P.E. STAMP BOX

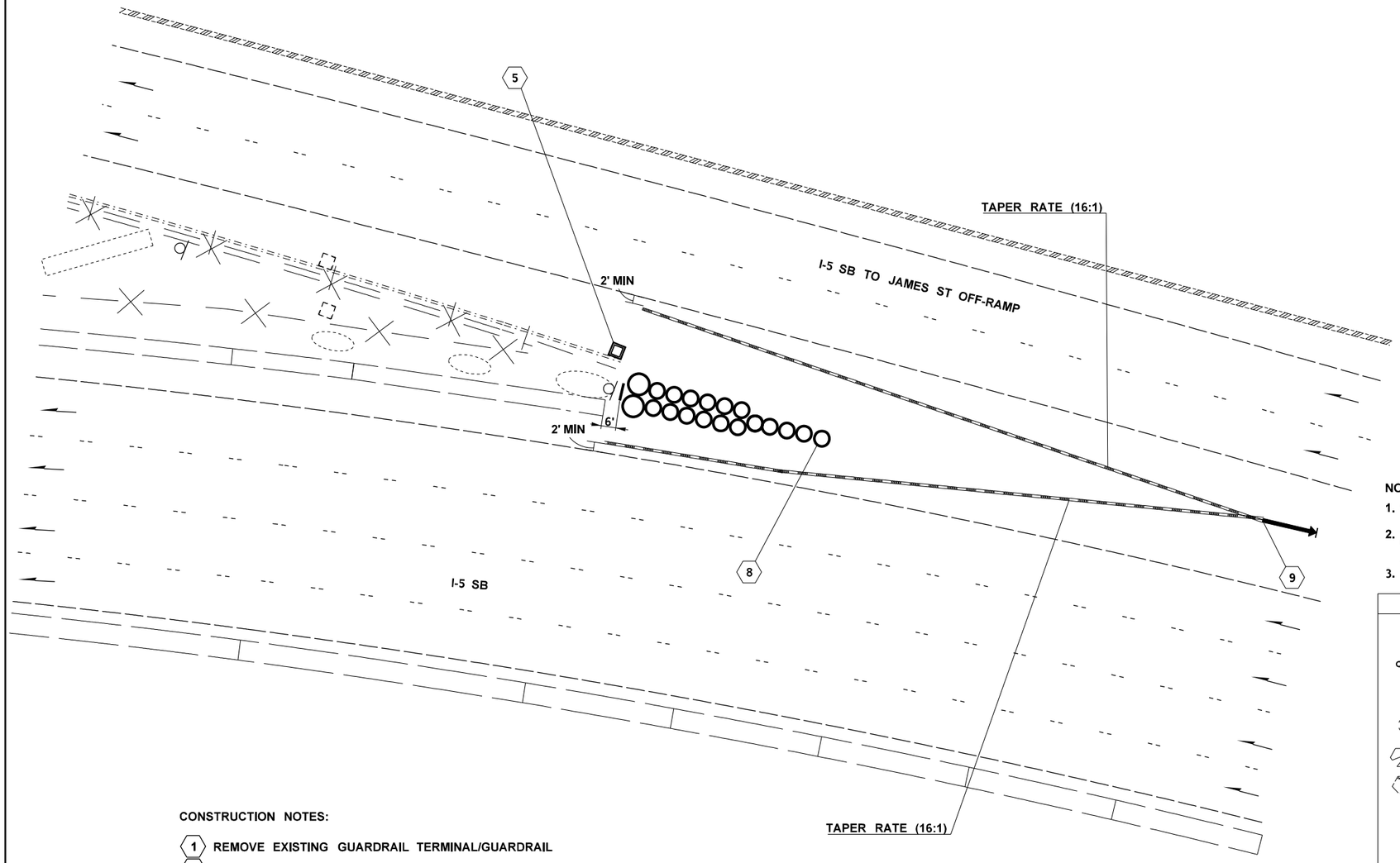
DATE
P.E. STAMP BOX

Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

SITE PREPARATION PLAN

Plot 3
PLAN REF NO SP4
SHEET 11 OF 134 SHEETS



NOTES:

1. SEE SHEETS BP5 & BN1 FOR MORE INFORMATION.
2. SEE SPECIAL PROIVISIONS REMOVAL OF STRUCTURES AND OBSTRUCTIONS FOR REMOVING IMPACT ATTTENUATOR.
3. THE NUMBER OF DRUMS IN THE EXISTING IMPACT ATTENUATOR IS INFORMATION ONLY.

CONSTRUCTION NOTES:

1. REMOVE EXISTING GUARDRAIL TERMINAL/GUARDRAIL
2. REMOVE EXISTING FLEXIBLE GUIDEPOST
3. INSTALL COMPOST SOCKS TO PROTECT THE EXISTING DITCH
4. ROADWAY EXCAVATION (INCL. HAUL)
5. INLET PROTECTION
6. SAWCUT THE BLUNT END OF CEMENT CONC. CURB AT A 45 DEGREE ANGLE
7. REMOVE EXISTING CONC. BARRIER
8. REMOVE EXISTING PERMANENT IMPACT ATTNEUATOR
9. TEMPORARY ATTENAUTOR/TEMPORARY BARRIER
10. REMOVE ASPHALT CONC. CURB
11. REMOVE/RESET TEMPORARY FENCING

I-5, R1 16586, MP 0.17, I, LT
(I-5 SB TO JAMES ST OFF-RAMP)

0 20 40
SCALE IN FEET

LEGEND

	INLET PROTECTION		EXISTING GUARDRAIL
	COMPOST SOCK		EXISTING GUARDRAIL (REMOVAL)
	TREES		EXISTING IMPACT ATTENUATOR
	HEDGES		EXISTING CONC. BARRIER
	TREE LINE		RUMBLE STRIP
	BUSH LINE		FENCE
	AREA INLET		RETAINING WALL
UD	EXISTING UNDER DRAIN LINE		TEMPORARY BARRIER
ST	EXISTING STORM SEWER LINE		TEMPORARY IMPACT ATTENUATOR
	EXISTING DRAIN INLET		EXISTING FIRE HYDRANT
	DETENTION POND		EXISTING GUIDE POST
	EXISTING DITCH		ELECTRICAL CABINETS
100 YR	100 YEAR FLOOD PLAIN		EXISTING SIGNS
	RAMP METERS		LUMINAIRES
	EDGE OF PAVEMENT	CLR	CLEARING
	BRIDGE COLUMN		

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\03_XL6411_PS_SP.dgn
TIME	9:20:42 AM
DATE	6/23/2023
PLOTTED BY	KimKath
DESIGNED BY	Z. SANETO
ENTERED BY	Z. SANETO
CHECKED BY	N. MENZEL
PROJ. ENGR.	A. EMERSON
REGIONAL ADM.	B. NIELSEN

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22A023		
CONTRACT NO.		LOCATION NO.

JEFFERY A. DAVIES, STATE OF WASHINGTON, 33724, REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
P.E. STAMP BOX

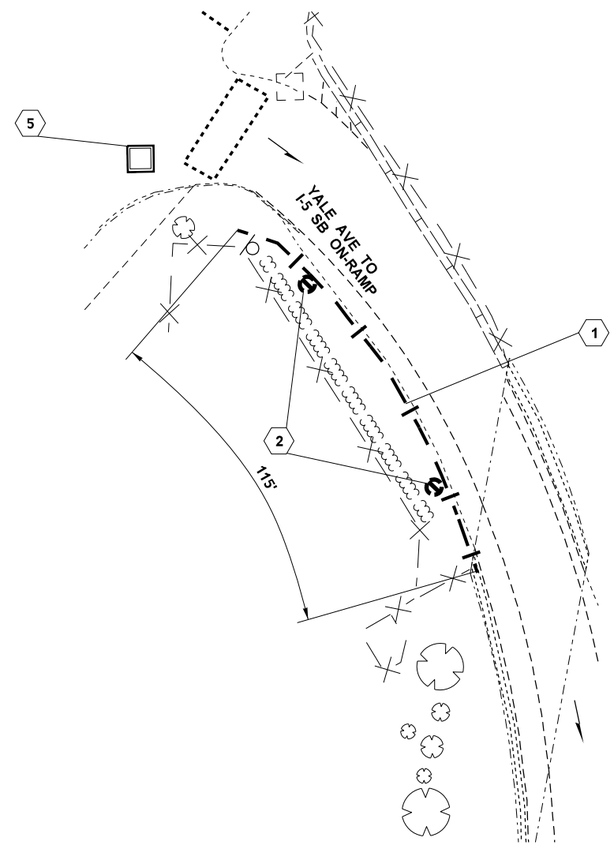
DATE
P.E. STAMP BOX

Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

SITE PREPARATION PLAN

Plot 7
PLAN REF NO SP5
SHEET 12 OF 134 SHEETS



NOTES:

1. SEE SHEET BP6 & BN1 FOR MORE INFORMATION.
2. SEE SPECIAL PROVISIONS FOR MORE INFORMATION ON CLEARING. CLEARING LIMITS ON PLANS ARE INFORMATION ONLY, THE CLEARING LIMITS SHALL BE LIMITED TO THE AREA NEEDED TO INSTALL THE NEW GUARDRAIL PER THE STANDARD PLANS.

CONSTRUCTION NOTES:

1. REMOVE EXISTING GUARDRAIL TERMINAL/GUARDRAIL
2. REMOVE EXISTING FLEXIBLE GUIDEPOST
3. INSTALL COMPOST SOCKS TO PROTECT THE EXISTING DITCH
4. ROADWAY EXCAVATION (INCL. HAUL)
5. INLET PROTECTION
6. SAWCUT THE BLUNT END OF CEMENT CONC. CURB AT A 45 DEGREE ANGLE
7. REMOVE EXISTING CONC. BARRIER
8. REMOVE EXISTING PERMANENT IMPACT ATTNEUATOR
9. TEMPORARY ATTENAUTOR/TEMPORARY BARRIER
10. REMOVE ASPHALT CONC. CURB
11. REMOVE/RESET TEMPORARY FENCING

I-5, S1 16615, MP 0.01, I, RT
(YALE ST TO I-5 SB OFF-RAMP)

0 20 40
SCALE IN FEET

LEGEND

	INLET PROTECTION		EXISTING GUARDRAIL
	COMPOST SOCK		EXISTING GUARDRAIL (REMOVAL)
	TREES		EXISTING IMPACT ATTENUATOR
	HEDGES		EXISTING CONC. BARRIER
	TREE LINE		RUMBLE STRIP
	BUSH LINE		FENCE
	AREA INLET		RETAINING WALL
UD	EXISTING UNDER DRAIN LINE		TEMPORARY BARRIER
ST	EXISTING STORM SEWER LINE		TEMPORARY IMPACT ATTENUATOR
	EXISTING DRAIN INLET		EXISTING FIRE HYDRANT
	DETENTION POND		EXISTING GUIDE POST
	EXISTING DITCH		ELECTRICAL CABINETS
100 YR	100 YEAR FLOOD PLAIN		EXISTING SIGNS
	RAMP METERS		LUMINAIRES
	EDGE OF PAVEMENT	CLR	CLEARING
	BRIDGE COLUMN		

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\03_XL6411_PS_SP.dgn
TIME	9:20:51 AM
DATE	6/23/2023
PLOTTED BY	KimKath
DESIGNED BY	Z. SANETO
ENTERED BY	Z. SANETO
CHECKED BY	N. MENZEL
PROJ. ENGR.	A. EMERSON
REGIONAL ADM.	B. NIELSEN

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22A023		
CONTRACT NO.		LOCATION NO.

JEFFERY A. DAVIES, STATE OF WASHINGTON, 23724, REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

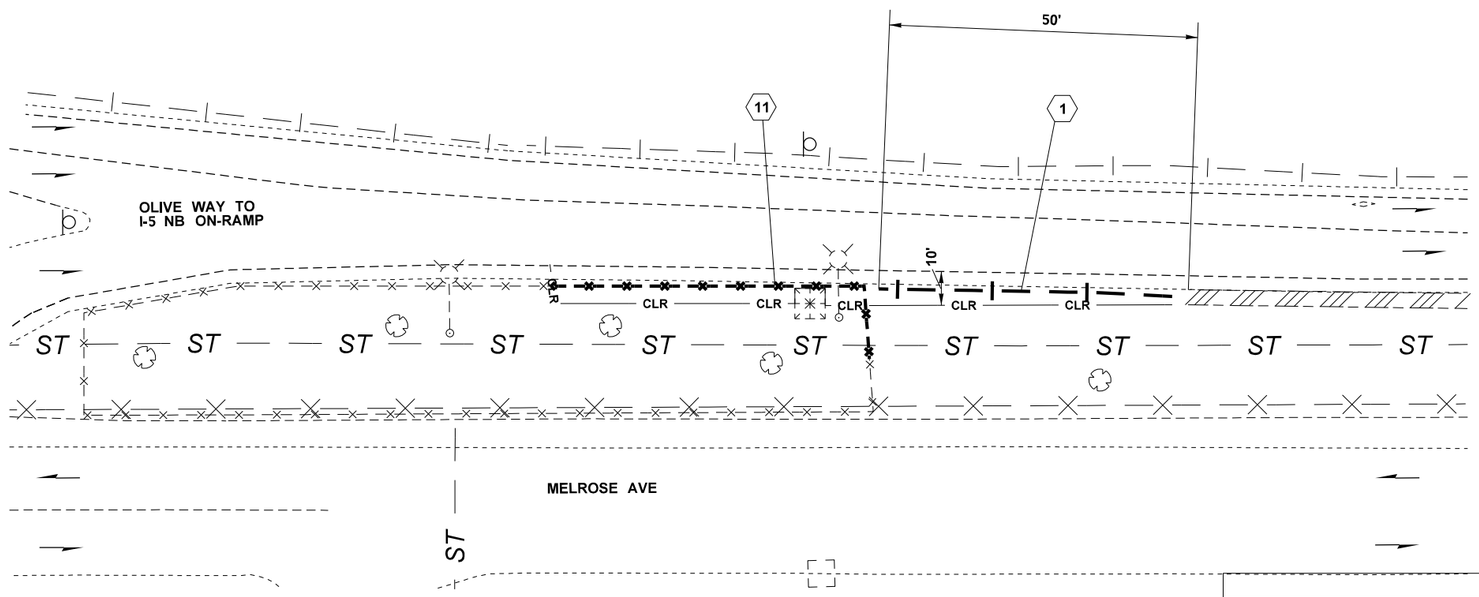
Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

SITE PREPARATION PLAN

PLAN REF NO SP6

SHEET 13 OF 134 SHEETS



NOTES:

1. SEE SHEET BP7 & BN1 FOR MORE INFORMATION.
2. SEE SPECIAL PROVISIONS FOR MORE INFORMATION ON CLEARING. CLEARING LIMITS ON PLANS ARE INFORMATION ONLY, THE CLEARING LIMITS SHALL BE LIMITED TO THE AREA NEEDED TO INSTALL THE NEW GUARDRAIL PER THE STANDARD PLANS.

CONSTRUCTION NOTES:

1. REMOVE EXISTING GUARDRAIL TERMINAL/GUARDRAIL
2. REMOVE EXISTING FLEXIBLE GUIDEPOST
3. INSTALL COMPOST SOCKS TO PROTECT THE EXISTING DITCH
4. ROADWAY EXCAVATION (INCL. HAUL)
5. INLET PROTECTION
6. SAWCUT THE BLUNT END OF CEMENT CONC. CURB AT A 45 DEGREE ANGLE
7. REMOVE EXISTING CONC. BARRIER
8. REMOVE EXISTING PERMANENT IMPACT ATTNEUATOR
9. TEMPORARY ATTENAUTOR/TEMPORARY BARRIER
10. REMOVE ASPHALT CONC. CURB
11. REMOVE/RESET TEMPORARY FENCING

I-5, Q1 16662, MP 0.11, I, RT
(OLIVE WAY TO I-5 NB ON-RAMP)

0 20 40
SCALE IN FEET

LEGEND

	INLET PROTECTION		EXISTING GUARDRAIL
	COMPOST SOCK		EXISTING GUARDRAIL (REMOVAL)
	TREES		EXISTING IMPACT ATTENUATOR
	HEDGES		EXISTING CONC. BARRIER
	TREE LINE		RUMBLE STRIP
	BUSH LINE		FENCE
	AREA INLET		RETAINING WALL
UD	EXISTING UNDER DRAIN LINE		TEMPORARY BARRIER
ST	EXISTING STORM SEWER LINE		TEMPORARY IMPACT ATTENUATOR
	EXISTING DRAIN INLET		EXISTING FIRE HYDRANT
	DETENTION POND		EXISTING GUIDE POST
	EXISTING DITCH		ELECTRICAL CABINETS
100 YR	100 YEAR FLOOD PLAIN		EXISTING SIGNS
	RAMP METERS		LUMINAIRES
	EDGE OF PAVEMENT	CLR	CLEARING
	BRIDGE COLUMN		

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\03_XL6411_PS_SP.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	9:21:00 AM				JOB NUMBER 22A023		
DATE	6/23/2023				CONTRACT NO.		LOCATION NO.
PLOTTED BY	KimKath						
DESIGNED BY	Z. SANETO						
ENTERED BY	Z. SANETO						
CHECKED BY	N. MENZEL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

HERBERT A. DAVIES — STATE OF WASHINGTON — 33724 — REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
P.E. STAMP BOX

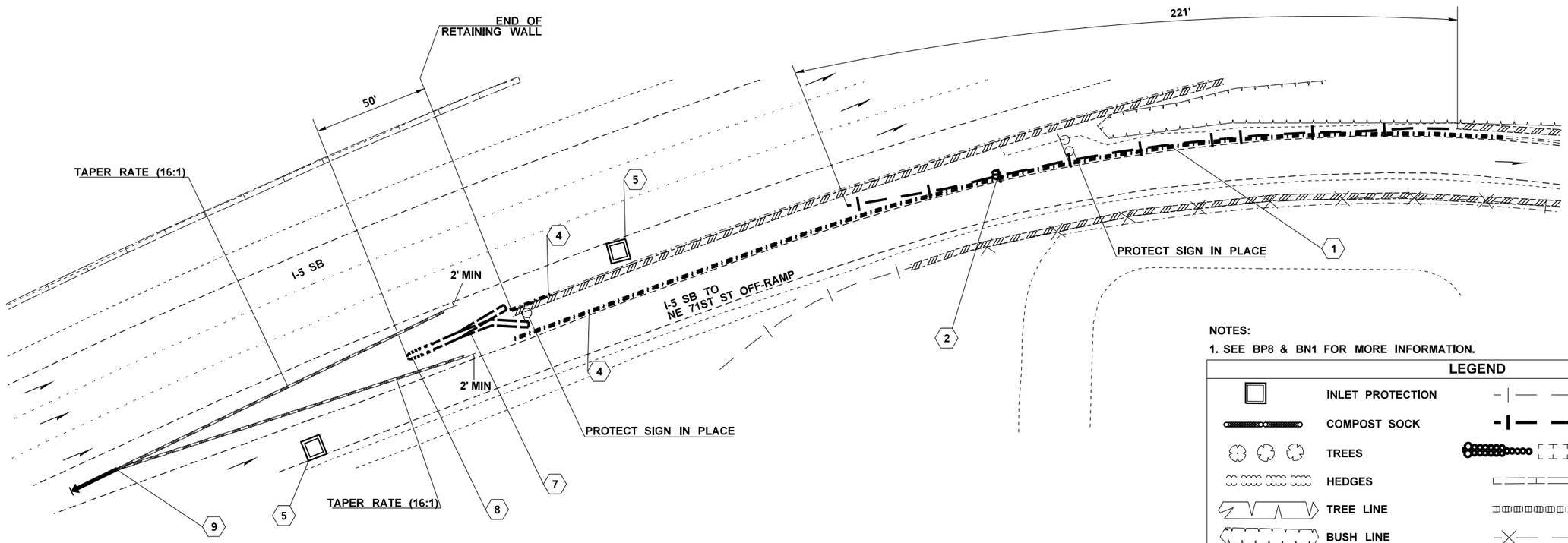
DATE
P.E. STAMP BOX

Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

SITE PREPARATION PLAN

Plot 7
PLAN REF NO SP7
SHEET 14 OF 134 SHEETS



NOTES:

1. SEE BP8 & BN1 FOR MORE INFORMATION.

LEGEND

	INLET PROTECTION		EXISTING GUARDRAIL
	COMPOST SOCK		EXISTING GUARDRAIL (REMOVAL)
	TREES		EXISTING IMPACT ATTENUATOR
	HEDGES		EXISTING CONC. BARRIER
	TREE LINE		RUMBLE STRIP
	BUSH LINE		FENCE
	AREA INLET		RETAINING WALL
UD	EXISTING UNDER DRAIN LINE		TEMPORARY BARRIER
ST	EXISTING STORM SEWER LINE		TEMPORARY IMPACT ATTENUATOR
	EXISTING DRAIN INLET		EXISTING FIRE HYDRANT
	DETENTION POND		EXISTING GUIDE POST
	EXISTING DITCH		ELECTRICAL CABINETS
100 YR	100 YEAR FLOOD PLAIN		EXISTING SIGNS
	RAMP METERS		LUMINAIRES
	EDGE OF PAVEMENT	CLR	CLEARING
	BRIDGE COLUMN		

CONSTRUCTION NOTES:

1. REMOVE EXISTING GUARDRAIL TERMINAL/GUARDRAIL
2. REMOVE EXISTING FLEXIBLE GUIDEPOST
3. INSTALL COMPOST SOCKS TO PROTECT THE EXISTING DITCH
4. ROADWAY EXCAVATION (INCL. HAUL)
5. INLET PROTECTION
6. SAWCUT THE BLUNT END OF CEMENT CONC. CURB AT A 45 DEGREE ANGLE
7. REMOVE EXISTING CONC. BARRIER
8. REMOVE EXISTING PERMANENT IMPACT ATTNEUATOR
9. TEMPORARY ATTENAUTOR/TEMPORARY BARRIER
10. REMOVE ASPHALT CONC. CURB
11. REMOVE/RESET TEMPORARY FENCING

I-5, R1 17091, MP 0.15, I, LT
(I-5 SB TO NE 71ST ST NE OFF-RAMP)

0 20 40
SCALE IN FEET

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\03_XL6411_PS_SP1.dgn
TIME	9:22:12 AM
DATE	6/23/2023
PLOTTED BY	KimKath
DESIGNED BY	Z. SANETO
ENTERED BY	Z. SANETO
CHECKED BY	N. MENZEL
PROJ. ENGR.	A. EMERSON
REGIONAL ADM.	B. NIELSEN

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22A023		
CONTRACT NO.		LOCATION NO.

JEFFERY A. DAVIES, STATE OF WASHINGTON, 53724, REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
P.E. STAMP BOX

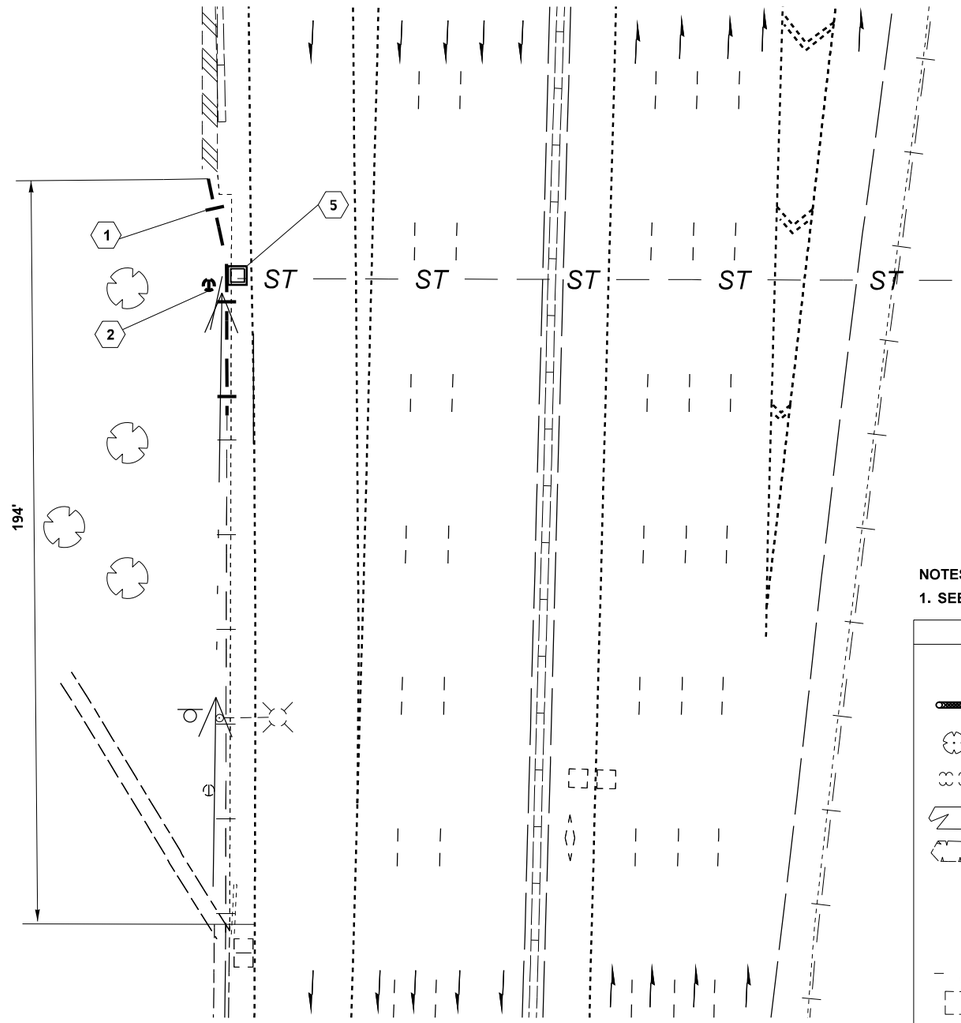
DATE
P.E. STAMP BOX

Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE
TERMINAL REPLACEMENT 21-23

SITE PREPARATION PLAN

Plot 16
PLAN REF NO
SP8
SHEET 15 OF 134 SHEETS



NOTES:

1. SEE BP9 & BN1 FOR MORE INFORMATION.

LEGEND

	INLET PROTECTION		EXISTING GUARDRAIL
	COMPOST SOCK		EXISTING GUARDRAIL (REMOVAL)
	TREES		EXISTING IMPACT ATTENUATOR
	HEDGES		EXISTING CONC. BARRIER
	TREE LINE		RUMBLE STRIP
	BUSH LINE		FENCE
	AREA INLET		RETAINING WALL
UD	EXISTING UNDER DRAIN LINE		TEMPORARY BARRIER
ST	EXISTING STORM SEWER LINE		TEMPORARY IMPACT ATTENUATOR
	EXISTING DRAIN INLET		EXISTING FIRE HYDRANT
	DETENTION POND		EXISTING GUIDE POST
	EXISTING DITCH		ELECTRICAL CABINETS
100 YR	100 YEAR FLOOD PLAIN		EXISTING SIGNS
	RAMP METERS		LUMINAIRES
	EDGE OF PAVEMENT	CLR	CLEARING
	BRIDGE COLUMN		

CONSTRUCTION NOTES:

1. REMOVE EXISTING GUARDRAIL TERMINAL/GUARDRAIL
2. REMOVE EXISTING FLEXIBLE GUIDEPOST
3. INSTALL COMPOST SOCKS TO PROTECT THE EXISTING DITCH
4. ROADWAY EXCAVATION (INCL. HAUL)
5. INLET PROTECTION
6. SAWCUT THE BLUNT END OF CEMENT CONC. CURB AT A 45 DEGREE ANGLE
7. REMOVE EXISTING CONC. BARRIER
8. REMOVE EXISTING PERMANENT IMPACT ATTNEUATOR
9. TEMPORARY ATTENAUTOR/TEMPORARY BARRIER
10. REMOVE ASPHALT CONC. CURB
11. REMOVE/RESET TEMPORARY FENCING

I-5, S1 17414, MP 0.28, I, RT
(SR 523/NE 145TH ST TO I-5 ON-RAMP)

0 20 40
SCALE IN FEET

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\03_XL6411_PS_SP1.dgn
TIME	9:22:20 AM
DATE	6/23/2023
PLOTTED BY	KimKath
DESIGNED BY	Z. SANETO
ENTERED BY	Z. SANETO
CHECKED BY	N. MENZEL
PROJ. ENGR.	A. EMERSON
REGIONAL ADM.	B. NIELSEN

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO.

JOB NUMBER 22A023

CONTRACT NO. | LOCATION NO.

JEFFERY A. DAVIES — STATE OF WASHINGTON — 33726 — REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

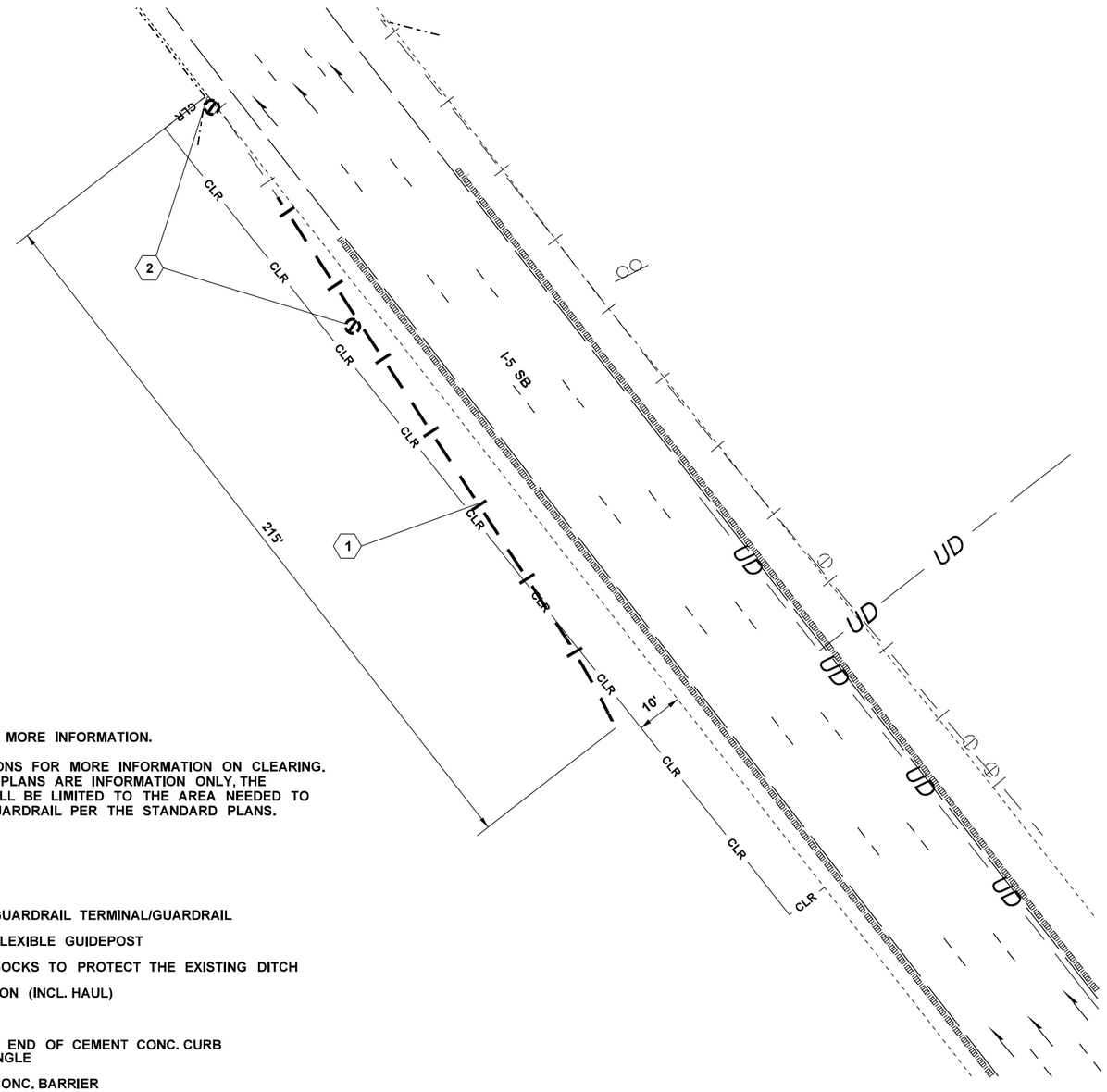
Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

SITE PREPARATION PLAN

PLAN REF NO SP9

SHEET 16 OF 134 SHEETS



NOTES:

1. SEE BP10 & BN1 FOR MORE INFORMATION.
2. SEE SPECIAL PROVISIONS FOR MORE INFORMATION ON CLEARING. CLEARING LIMITS ON PLANS ARE INFORMATION ONLY, THE CLEARING LIMITS SHALL BE LIMITED TO THE AREA NEEDED TO INSTALL THE NEW GUARDRAIL PER THE STANDARD PLANS.

CONSTRUCTION NOTES:

1. REMOVE EXISTING GUARDRAIL TERMINAL/GUARDRAIL
2. REMOVE EXISTING FLEXIBLE GUIDEPOST
3. INSTALL COMPOST SOCKS TO PROTECT THE EXISTING DITCH
4. ROADWAY EXCAVATION (INCL. HAUL)
5. INLET PROTECTION
6. SAWCUT THE BLUNT END OF CEMENT CONC. CURB AT A 45 DEGREE ANGLE
7. REMOVE EXISTING CONC. BARRIER
8. REMOVE EXISTING PERMANENT IMPACT ATTNEUATOR
9. TEMPORARY ATTENAUTOR/TEMPORARY BARRIER
10. REMOVE ASPHALT CONC. CURB
11. REMOVE/RESET TEMPORARY FENCING

I-5, MP 215.00, I, LT
(I-5 MAINLINE MP 215)

0 20 40
SCALE IN FEET

LEGEND

	INLET PROTECTION		EXISTING GUARDRAIL
	COMPOST SOCK		EXISTING GUARDRAIL (REMOVAL)
	TREES		EXISTING IMPACT ATTENUATOR
	HEDGES		EXISTING CONC. BARRIER
	TREE LINE		RUMBLE STRIP
	BUSH LINE		FENCE
	AREA INLET		RETAINING WALL
UD	EXISTING UNDER DRAIN LINE		TEMPORARY BARRIER
ST	EXISTING STORM SEWER LINE		TEMPORARY IMPACT ATTENUATOR
	EXISTING DRAIN INLET		EXISTING FIRE HYDRANT
	DETENTION POND		EXISTING GUIDE POST
	EXISTING DITCH		ELECTRICAL CABINETS
100 YR	100 YEAR FLOOD PLAIN		EXISTING SIGNS
	RAMP METERS		LUMINAIRES
	EDGE OF PAVEMENT	CLR	CLEARING
	BRIDGE COLUMN		

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\03_XL6411_PS_SP1.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	9:22:28 AM				JOB NUMBER 22A023		
DATE	6/23/2023				CONTRACT NO.		LOCATION NO.
PLOTTED BY	KimKath						
DESIGNED BY	Z. SANETO						
ENTERED BY	Z. SANETO						
CHECKED BY	N. MENZEL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

JEFFERY A. DAVIES, STATE OF WASHINGTON, 53724, REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
P.E. STAMP BOX

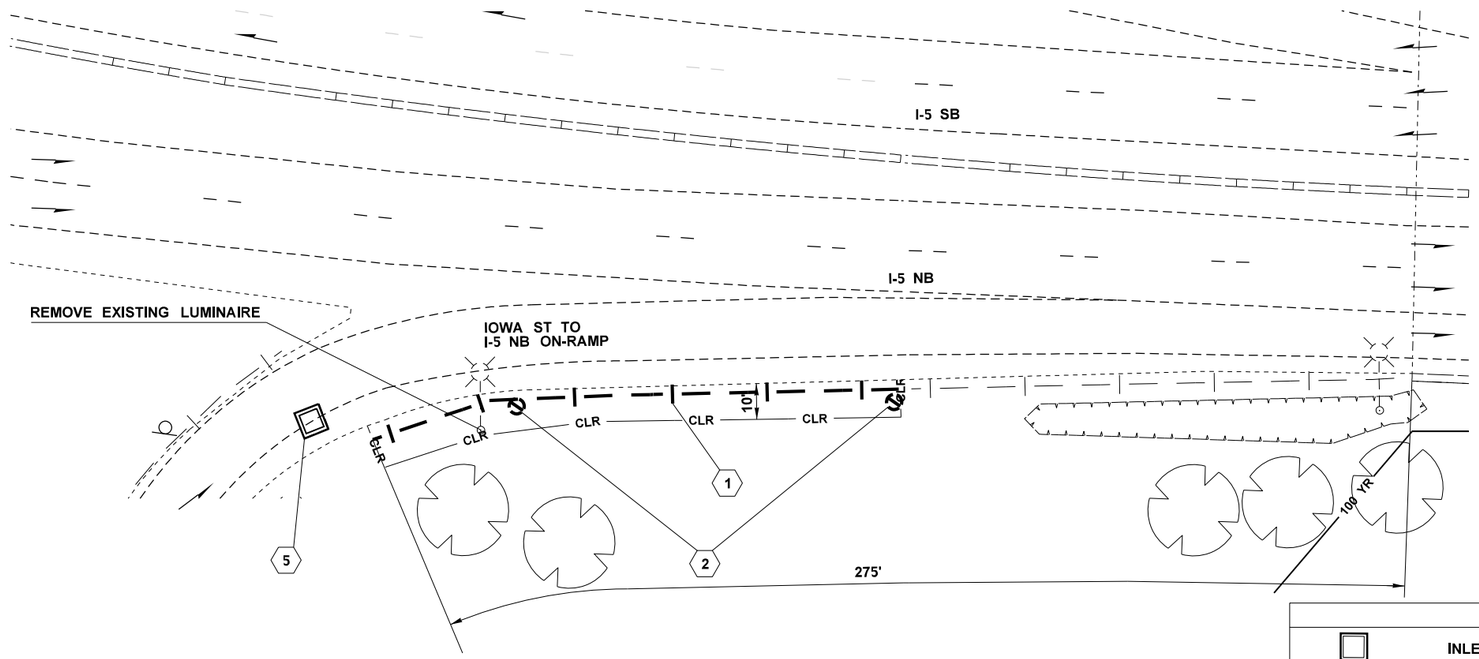
DATE
P.E. STAMP BOX

Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

SITE PREPARATION PLAN

Plot 25
PLAN REF NO SP10
SHEET 17 OF 134 SHEETS



NOTES:

1. SEE BP11 & BN1 FOR MORE INFORMATION.
2. SEE SPECIAL PROVISIONS FOR MORE INFORMATION ON CLEARING. CLEARING LIMITS ON PLANS ARE INFORMATION ONLY, THE CLEARING LIMITS SHALL BE LIMITED TO THE AREA NEEDED TO INSTALL THE NEW GUARDRAIL PER THE STANDARD PLANS.

CONSTRUCTION NOTES:

1. REMOVE EXISTING GUARDRAIL TERMINAL/GUARDRAIL
2. REMOVE EXISTING FLEXIBLE GUIDEPOST
3. INSTALL COMPOST SOCKS TO PROTECT THE EXISTING DITCH
4. ROADWAY EXCAVATION (INCL. HAUL)
5. INLET PROTECTION
6. SAWCUT THE BLUNT END OF CEMENT CONC. CURB AT A 45 DEGREE ANGLE
7. REMOVE EXISTING CONC. BARRIER
8. REMOVE EXISTING PERMANENT IMPACT ATTNEUATOR
9. TEMPORARY ATTENAUTOR/TEMPORARY BARRIER
10. REMOVE ASPHALT CONC. CURB
11. REMOVE/RESET TEMPORARY FENCING

I-5, Q5 25410, MP 0.10, I, RT
(IOWA ST TO I-5 NB ON-RAMP)

0 20 40
SCALE IN FEET

LEGEND

	INLET PROTECTION		EXISTING GUARDRAIL
	COMPOST SOCK		EXISTING GUARDRAIL (REMOVAL)
	TREES		EXISTING IMPACT ATTENUATOR
	HEDGES		EXISTING CONC. BARRIER
	TREE LINE		RUMBLE STRIP
	BUSH LINE		FENCE
	AREA INLET		RETAINING WALL
UD	EXISTING UNDER DRAIN LINE		TEMPORARY BARRIER
ST	EXISTING STORM SEWER LINE		TEMPORARY IMPACT ATTENUATOR
	EXISTING DRAIN INLET		EXISTING FIRE HYDRANT
	DETENTION POND		EXISTING GUIDE POST
	EXISTING DITCH		ELECTRICAL CABINETS
100 YR	100 YEAR FLOOD PLAIN		EXISTING SIGNS
	RAMP METERS		LUMINAIRES
	EDGE OF PAVEMENT	CLR	CLEARING
	BRIDGE COLUMN		

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\03_XL6411_PS_SP1.dgn
TIME	9:22:36 AM
DATE	6/23/2023
PLOTTED BY	KimKath
DESIGNED BY	Z. SANETO
ENTERED BY	Z. SANETO
CHECKED BY	N. MENZEL
PROJ. ENGR.	A. EMERSON
REGIONAL ADM.	B. NIELSEN

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22A023		
CONTRACT NO.		LOCATION NO.

JEFFREY A. DAVIES, STATE OF WASHINGTON, 33724, REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

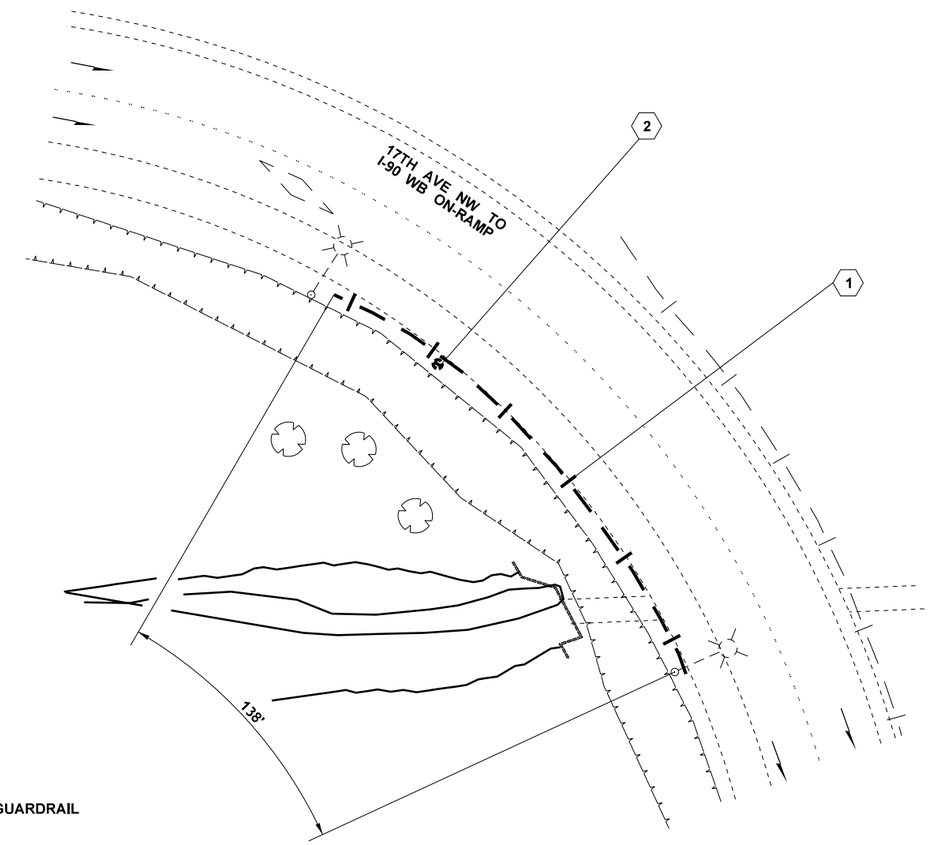
Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

SITE PREPARATION PLAN

PLAN REF NO SP11

SHEET 18 OF 134 SHEETS



NOTES:

1. SEE SHEET BN1 FOR MORE INFORMATION.

CONSTRUCTION NOTES:

1. REMOVE EXISTING GUARDRAIL TERMINAL/GUARDRAIL
2. REMOVE EXISTING FLEXIBLE GUIDEPOST
3. INSTALL COMPOST SOCKS TO PROTECT THE EXISTING DITCH
4. ROADWAY EXCAVATION (INCL. HAUL)
5. INLET PROTECTION
6. SAWCUT THE BLUNT END OF CEMENT CONC. CURB AT A 45 DEGREE ANGLE
7. REMOVE EXISTING CONC. BARRIER
8. REMOVE EXISTING PERMANENT IMPACT ATTNEUATOR
9. TEMPORARY ATTENAUTOR/TEMPORARY BARRIER
10. REMOVE ASPHALT CONC. CURB
11. REMOVE/RESET TEMPORARY FENCING

I-90, S5 01537, MP 0.09, I, RT
(17TH AVE TO I-90 EB ON-RAMP)

0 20 40
SCALE IN FEET

LEGEND

	INLET PROTECTION		EXISTING GUARDRAIL
	COMPOST SOCK		EXISTING GUARDRAIL (REMOVAL)
	TREES		EXISTING IMPACT ATTENUATOR
	HEDGES		EXISTING CONC. BARRIER
	TREE LINE		RUMBLE STRIP
	BUSH LINE		FENCE
	AREA INLET		RETAINING WALL
UD	EXISTING UNDER DRAIN LINE		TEMPORARY BARRIER
ST	EXISTING STORM SEWER LINE		TEMPORARY IMPACT ATTENUATOR
	EXISTING DRAIN INLET		EXISTING FIRE HYDRANT
	DETENTION POND		EXISTING GUIDE POST
	EXISTING DITCH		ELECTRICAL CABINETS
100 YR	100 YEAR FLOOD PLAIN		EXISTING SIGNS
	RAMP METERS		LUMINAIRES
	EDGE OF PAVEMENT	CLR	CLEARING
	BRIDGE COLUMN		

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\03_XL6411_PS_SP2.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	9:23:52 AM						
DATE	6/23/2023						
PLOTTED BY	KimKath						
DESIGNED BY	Z. SANETO				JOB NUMBER 22A023		
ENTERED BY	Z. SANETO						
CHECKED BY	N. MENZEL				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

JEFFERY A. DAVIES, STATE OF WASHINGTON, 35724, REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
P.E. STAMP BOX

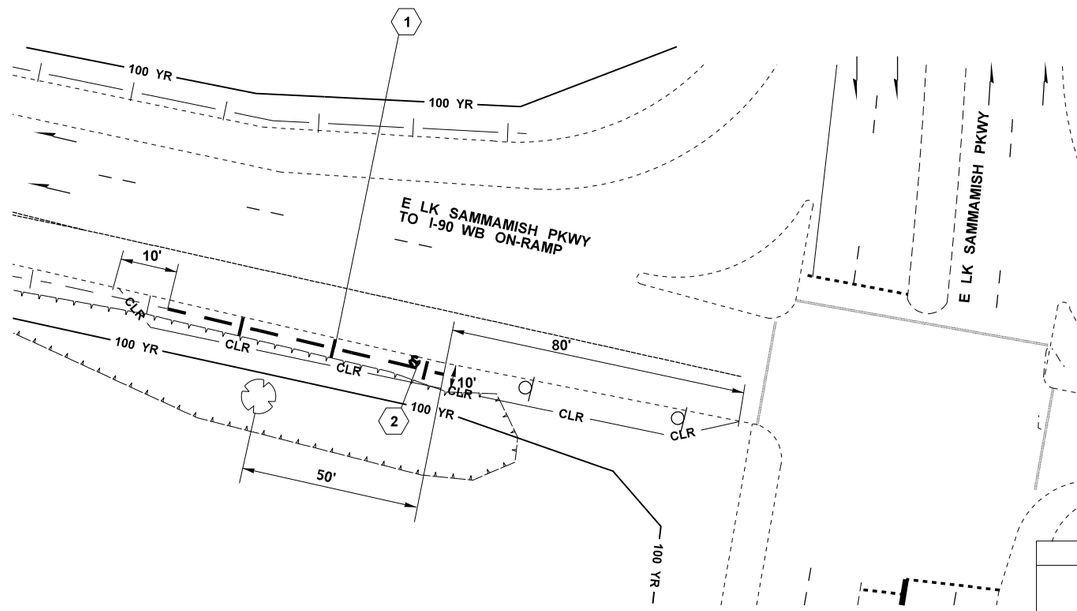
DATE
P.E. STAMP BOX

Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

SITE PREPARATION PLAN

Plot 2
PLAN REF NO SP12
SHEET 19 OF 134 SHEETS



NOTES:

1. SEE SHEETS BP12 & BN1 FOR MORE INFORMATION.
2. SEE SPECIAL PROVISIONS FOR MORE INFORMATION ON CLEARING. CLEARING LIMITS ON PLANS ARE INFORMATION ONLY, THE CLEARING LIMITS SHALL BE LIMITED TO THE AREA NEEDED TO INSTALL THE NEW GUARDRAIL PER THE STANDARD PLANS.

CONSTRUCTION NOTES:

1. REMOVE EXISTING GUARDRAIL TERMINAL/GUARDRAIL
2. REMOVE EXISTING FLEXIBLE GUIDEPOST
3. INSTALL COMPOST SOCKS TO PROTECT THE EXISTING DITCH
4. ROADWAY EXCAVATION (INCL. HAUL)
5. INLET PROTECTION
6. SAWCUT THE BLUNT END OF CEMENT CONC. CURB AT A 45 DEGREE ANGLE
7. REMOVE EXISTING CONC. BARRIER
8. REMOVE EXISTING PERMANENT IMPACT ATTNEUATOR
9. TEMPORARY ATTENAUTOR/TEMPORARY BARRIER
10. REMOVE ASPHALT CONC. CURB
11. REMOVE/RESET TEMPORARY FENCING

I-90, S1 01654, MP 0.02, I, LT
(E LK SAMMAMISH PKWY TO I-90 EB ON-RAMP)

0 20 40
SCALE IN FEET

LEGEND

	INLET PROTECTION		EXISTING GUARDRAIL
	COMPOST SOCK		EXISTING GUARDRAIL (REMOVAL)
	TREES		EXISTING IMPACT ATTENUATOR
	HEDGES		EXISTING CONC. BARRIER
	TREE LINE		RUMBLE STRIP
	BUSH LINE		FENCE
	AREA INLET		RETAINING WALL
UD	EXISTING UNDER DRAIN LINE		TEMPORARY BARRIER
ST	EXISTING STORM SEWER LINE		TEMPORARY IMPACT ATTENUATOR
	EXISTING DRAIN INLET		EXISTING FIRE HYDRANT
	DETENTION POND		EXISTING GUIDE POST
	EXISTING DITCH		ELECTRICAL CABINETS
100 YR	100 YEAR FLOOD PLAIN		EXISTING SIGNS
	RAMP METERS		LUMINAIRES
	EDGE OF PAVEMENT	CLR	CLEARING
	BRIDGE COLUMN		

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\03_XL6411_PS_SP2.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	9:24:04 AM				JOB NUMBER 22A023		
DATE	6/23/2023				CONTRACT NO.		LOCATION NO.
PLOTTED BY	KimKath						
DESIGNED BY	Z. SANETO						
ENTERED BY	Z. SANETO						
CHECKED BY	N. MENZEL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

JEFFERY A. DAVIES — STATE OF WASHINGTON — 53726 — REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
P.E. STAMP BOX

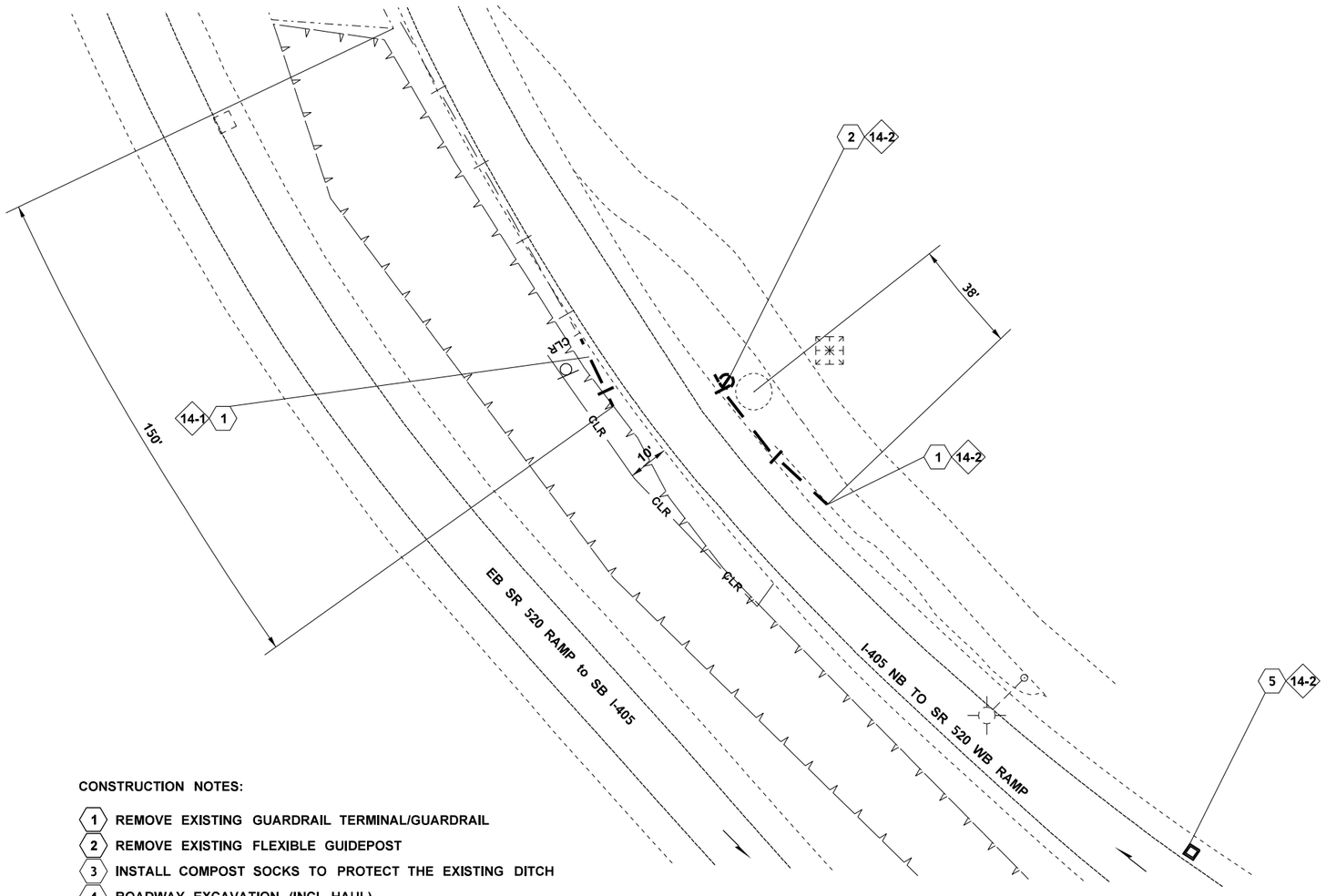
DATE
P.E. STAMP BOX

Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

SITE PREPARATION PLAN

Plot 3
PLAN REF NO SP13
SHEET 20 OF 134 SHEETS



CONSTRUCTION NOTES:

1. REMOVE EXISTING GUARDRAIL TERMINAL/GUARDRAIL
2. REMOVE EXISTING FLEXIBLE GUIDEPOST
3. INSTALL COMPOST SOCKS TO PROTECT THE EXISTING DITCH
4. ROADWAY EXCAVATION (INCL. HAUL)
5. INLET PROTECTION
6. SAWCUT THE BLUNT END OF CEMENT CONC. CURB AT A 45 DEGREE ANGLE
7. REMOVE EXISTING CONC. BARRIER
8. REMOVE EXISTING PERMANENT IMPACT ATTNEUATOR
9. TEMPORARY ATTENAUTOR/TEMPORARY BARRIER
10. REMOVE ASPHALT CONC. CURB
11. REMOVE/RESET TEMPORARY FENCING

I-405, P3 01406, MP 0.27, I, LT
I-405, P3 01406, MP 0.28, I, RT
(I-405 NB TO SR 520 WB OFF-RAMP)

0 20 40
SCALE IN FEET

QUANTITY TABULATION - SITE PREPARATION CODES:

14-1 I-405, P3 01406, MP 0.27, I, LT

14-2 I-405, P3 01406, MP 0.28, I, RT

NOTES:

1. SEE SHEETS BP13, BP14, & BN1 FOR MORE INFORMATION.
2. SEE SPECIAL PROVISIONS FOR MORE INFORMATION ON CLEARING. CLEARING LIMITS ON PLANS ARE INFORMATION ONLY, THE CLEARING LIMITS SHALL BE LIMITED TO THE AREA NEEDED TO INSTALL THE NEW GUARDRAIL PER THE STANDARD PLANS.

LEGEND

	INLET PROTECTION		EXISTING GUARDRAIL
	COMPOST SOCK		EXISTING GUARDRAIL (REMOVAL)
	TREES		EXISTING IMPACT ATTENUATOR
	HEDGES		EXISTING CONC. BARRIER
	TREE LINE		RUMBLE STRIP
	BUSH LINE		FENCE
	AREA INLET		RETAINING WALL
UD	EXISTING UNDER DRAIN LINE		TEMPORARY BARRIER
ST	EXISTING STORM SEWER LINE		TEMPORARY IMPACT ATTENUATOR
	EXISTING DRAIN INLET		EXISTING FIRE HYDRANT
	DETENTION POND		EXISTING GUIDE POST
	EXISTING DITCH		ELECTRICAL CABINETS
100 YR	100 YEAR FLOOD PLAIN		EXISTING SIGNS
	RAMP METERS		LUMINAIRES
	EDGE OF PAVEMENT	CLR	CLEARING
	BRIDGE COLUMN		

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\03_XL6411_PS_SP2.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	9:24:15 AM				JOB NUMBER 22A023		
DATE	6/23/2023				CONTRACT NO.		LOCATION NO.
PLOTTED BY	KimKath						
DESIGNED BY	Z. SANETO						
ENTERED BY	Z. SANETO						
CHECKED BY	N. MENZEL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

RUPERT A. DAVIES, STATE OF WASHINGTON, 33724, REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
P.E. STAMP BOX

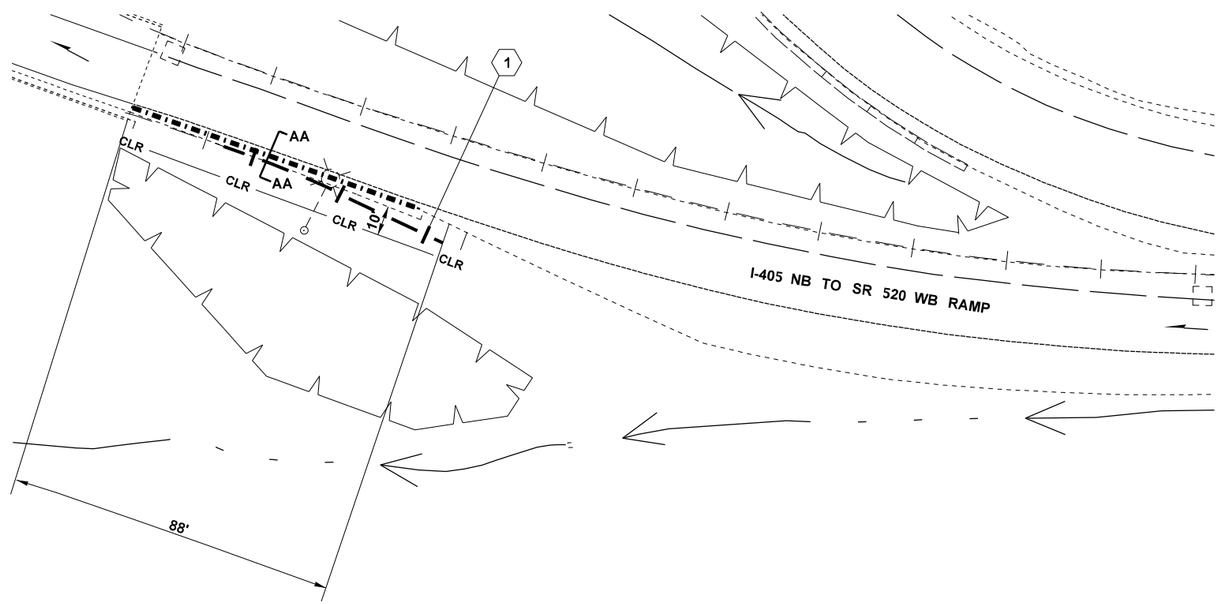
DATE
P.E. STAMP BOX

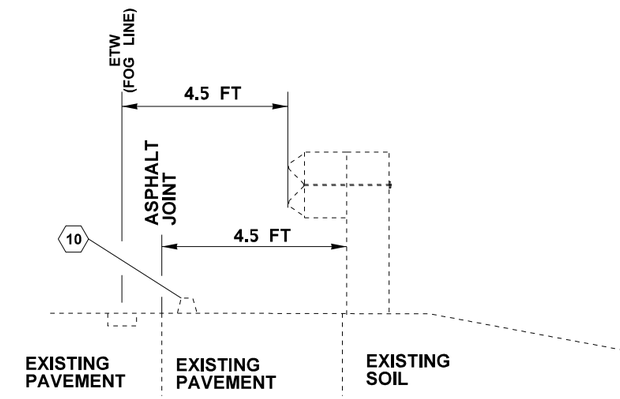
Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

SITE PREPARATION PLAN

Plot 6
PLAN REF NO SP14
SHEET 21 OF 134 SHEETS





CROSS SECTION AA

NOTES:

1. SEE SHEETS BP15 & BN1 FOR MORE INFORMATION.
2. SEE SPECIAL PROVISIONS FOR MORE INFORMATION ON CLEARING. CLEARING LIMITS ON PLANS ARE INFORMATION ONLY, THE CLEARING LIMITS SHALL BE LIMITED TO THE AREA NEEDED TO INSTALL THE NEW GUARDRAIL PER THE STANDARD PLANS.

CONSTRUCTION NOTES:

1. REMOVE EXISTING GUARDRAIL TERMINAL/GUARDRAIL
2. REMOVE EXISTING FLEXIBLE GUIDEPOST
3. INSTALL COMPOST SOCKS TO PROTECT THE EXISTING DITCH
4. ROADWAY EXCAVATION (INCL. HAUL)
5. INLET PROTECTION
6. SAWCUT THE BLUNT END OF CEMENT CONC. CURB AT A 45 DEGREE ANGLE
7. REMOVE EXISTING CONC. BARRIER
8. REMOVE EXISTING PERMANENT IMPACT ATTNEUATOR
9. TEMPORARY ATTENAUTOR/TEMPORARY BARRIER
10. REMOVE ASPHALT CONC. CURB
11. REMOVE/RESET TEMPORARY FENCING

I-405, P3 01406, MP 0.40, I, LT
(I-405 NB TO SR 520 WB OFF-RAMP)

0 20 40
SCALE IN FEET

LEGEND			
	INLET PROTECTION		EXISTING GUARDRAIL
	COMPOST SOCK		EXISTING GUARDRAIL (REMOVAL)
	TREES		EXISTING IMPACT ATTENUATOR
	HEDGES		EXISTING CONC. BARRIER
	TREE LINE		RUMBLE STRIP
	BUSH LINE		FENCE
	AREA INLET		RETAINING WALL
UD	EXISTING UNDER DRAIN LINE		TEMPORARY BARRIER
ST	EXISTING STORM SEWER LINE		TEMPORARY IMPACT ATTENUATOR
	EXISTING DRAIN INLET		EXISTING FIRE HYDRANT
	DETENTION POND		EXISTING GUIDE POST
	EXISTING DITCH		ELECTRICAL CABINETS
100 YR	100 YEAR FLOOD PLAIN		EXISTING SIGNS
	RAMP METERS		LUMINAIRES
	EDGE OF PAVEMENT	CLR	CLEARING
	BRIDGE COLUMN		

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\03_XL6411_PS_SP2.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	9:24:24 AM						
DATE	6/23/2023						
PLOTTED BY	KimKath				JOB NUMBER 22A023		
DESIGNED BY	Z. SANETO						
ENTERED BY	Z. SANETO						
CHECKED BY	N. MENZEL				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

JEFFERY A. DAVIES, STATE OF WASHINGTON, 33724, REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
P.E. STAMP BOX

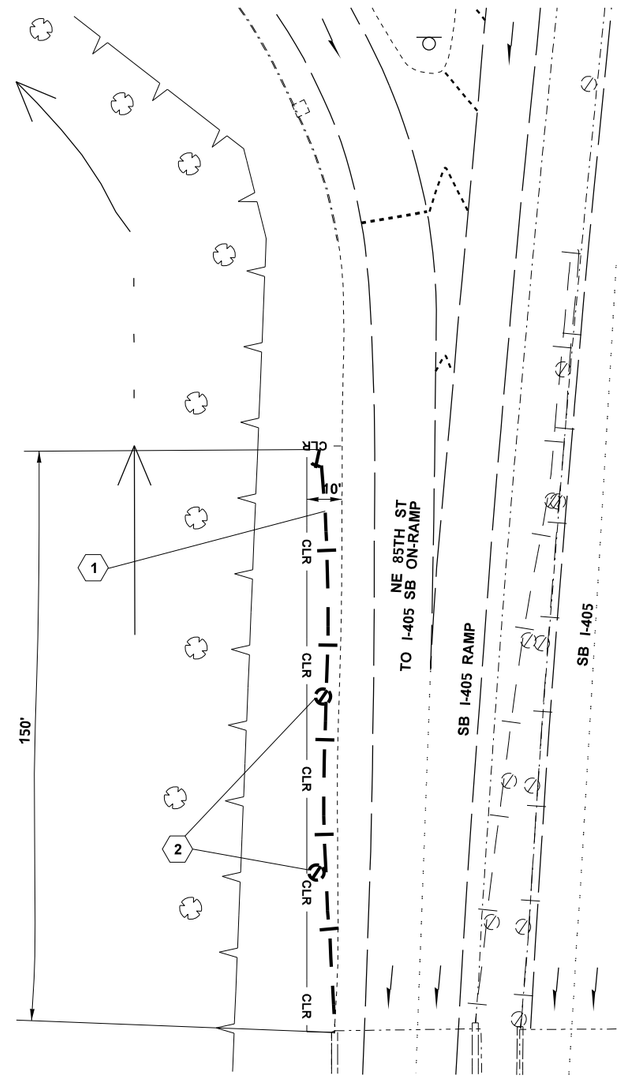
DATE
P.E. STAMP BOX

Washington State
Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE
TERMINAL REPLACEMENT 21-23

SITE PREPARATION PLAN

Plot 7
PLAN REF NO
SP15
SHEET 22 OF 134 SHEETS



NOTES:

1. SEE SHEETS BP16 & BN1 FOR MORE INFORMATION.
2. SEE SPECIAL PROVISIONS FOR MORE INFORMATION ON CLEARING. CLEARING LIMITS ON PLANS ARE INFORMATION ONLY, THE CLEARING LIMITS SHALL BE LIMITED TO THE AREA NEEDED TO INSTALL THE NEW GUARDRAIL PER THE STANDARD PLANS.

CONSTRUCTION NOTES:

1. REMOVE EXISTING GUARDRAIL TERMINAL/GUARDRAIL
2. REMOVE EXISTING FLEXIBLE GUIDEPOST
3. INSTALL COMPOST SOCKS TO PROTECT THE EXISTING DITCH
4. ROADWAY EXCAVATION (INCL. HAUL)
5. INLET PROTECTION
6. SAWCUT THE BLUNT END OF CEMENT CONC. CURB AT A 45 DEGREE ANGLE
7. REMOVE EXISTING CONC. BARRIER
8. REMOVE EXISTING PERMANENT IMPACT ATTNEUATOR
9. TEMPORARY ATTENAUTOR/TEMPORARY BARRIER
10. REMOVE ASPHALT CONC. CURB
11. REMOVE/RESET TEMPORARY FENCING

I-405, S5 01815, MP 0.18, I, LT (NE 85TH ST SB ON-RAMP)

0 20 40
SCALE IN FEET

LEGEND

	INLET PROTECTION		EXISTING GUARDRAIL
	COMPOST SOCK		EXISTING GUARDRAIL (REMOVAL)
	TREES		EXISTING IMPACT ATTENUATOR
	HEDGES		EXISTING CONC. BARRIER
	TREE LINE		RUMBLE STRIP
	BUSH LINE		FENCE
	AREA INLET		RETAINING WALL
UD	EXISTING UNDER DRAIN LINE		TEMPORARY BARRIER
ST	EXISTING STORM SEWER LINE		TEMPORARY IMPACT ATTENUATOR
	EXISTING DRAIN INLET		EXISTING FIRE HYDRANT
	DETENTION POND		EXISTING GUIDE POST
	EXISTING DITCH		ELECTRICAL CABINETS
100 YR	100 YEAR FLOOD PLAIN		EXISTING SIGNS
	RAMP METERS		LUMINAIRES
	EDGE OF PAVEMENT	CLR	CLEARING
	BRIDGE COLUMN		

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\03_XL6411_PS_SP2.dgn					
TIME	9:24:34 AM				REGION NO. 10	STATE WASH
DATE	6/23/2023					FED.AID PROJ.NO.
PLOTTED BY	KimKath					
DESIGNED BY	Z. SANETO				JOB NUMBER 22A023	
ENTERED BY	Z. SANETO					
CHECKED BY	N. MENZEL				CONTRACT NO.	LOCATION NO.
PROJ. ENGR.	A. EMERSON					
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY		

JEFFERY A. DAVIES, STATE OF WASHINGTON, 53724, REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
P.E. STAMP BOX

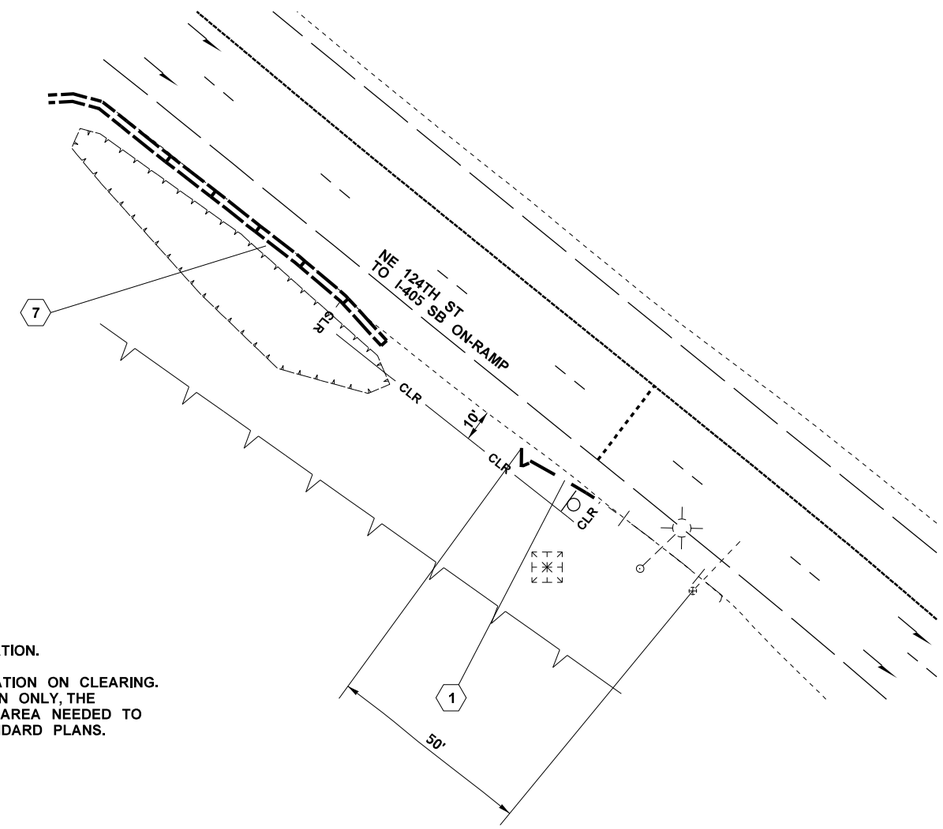
DATE
P.E. STAMP BOX

Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

SITE PREPARATION PLAN

Plot 8
PLAN REF NO SP16
SHEET 23 OF 134 SHEETS



NOTES:

1. SEE SHEETS BP17 & BN1 FOR MORE INFORMATION.
2. SEE SPECIAL PROVISIONS FOR MORE INFORMATION ON CLEARING. CLEARING LIMITS ON PLANS ARE INFORMATION ONLY, THE CLEARING LIMITS SHALL BE LIMITED TO THE AREA NEEDED TO INSTALL THE NEW GUARDRAIL PER THE STANDARD PLANS.

CONSTRUCTION NOTES:

1. REMOVE EXISTING GUARDRAIL TERMINAL/GUARDRAIL
2. REMOVE EXISTING FLEXIBLE GUIDEPOST
3. INSTALL COMPOST SOCKS TO PROTECT THE EXISTING DITCH
4. ROADWAY EXCAVATION (INCL. HAUL)
5. INLET PROTECTION
6. SAWCUT THE BLUNT END OF CEMENT CONC. CURB AT A 45 DEGREE ANGLE
7. REMOVE EXISTING CONC. BARRIER
8. REMOVE EXISTING PERMANENT IMPACT ATTNEUATOR
9. TEMPORARY ATTENAUTOR/TEMPORARY BARRIER
10. REMOVE ASPHALT CONC. CURB
11. REMOVE/RESET TEMPORARY FENCING

I-405, S1 01986, MP 0.13, I, RT
(124TH ST TO I-405 SB ON-RAMP)

0 20 40
SCALE IN FEET

LEGEND

	INLET PROTECTION		EXISTING GUARDRAIL
	COMPOST SOCK		EXISTING GUARDRAIL (REMOVAL)
	TREES		EXISTING IMPACT ATTENUATOR
	HEDGES		EXISTING CONC. BARRIER
	TREE LINE		RUMBLE STRIP
	BUSH LINE		FENCE
	AREA INLET		RETAINING WALL
UD	EXISTING UNDER DRAIN LINE		TEMPORARY BARRIER
ST	EXISTING STORM SEWER LINE		TEMPORARY IMPACT ATTENUATOR
	EXISTING DRAIN INLET		EXISTING FIRE HYDRANT
	DETENTION POND		EXISTING GUIDE POST
	EXISTING DITCH		ELECTRICAL CABINETS
100 YR	100 YEAR FLOOD PLAIN		EXISTING SIGNS
	RAMP METERS		LUMINAIRES
	EDGE OF PAVEMENT	CLR	CLEARING
	BRIDGE COLUMN		

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\03_XL6411_PS_SP2.dgn
TIME	9:24:43 AM
DATE	6/23/2023
PLOTTED BY	KimKath
DESIGNED BY	Z. SANETO
ENTERED BY	Z. SANETO
CHECKED BY	N. MENZEL
PROJ. ENGR.	A. EMERSON
REGIONAL ADM.	B. NIELSEN

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22A023		
CONTRACT NO.		LOCATION NO.

JEFFERY A. DAVIES, STATE OF WASHINGTON, 51724, REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
P.E. STAMP BOX

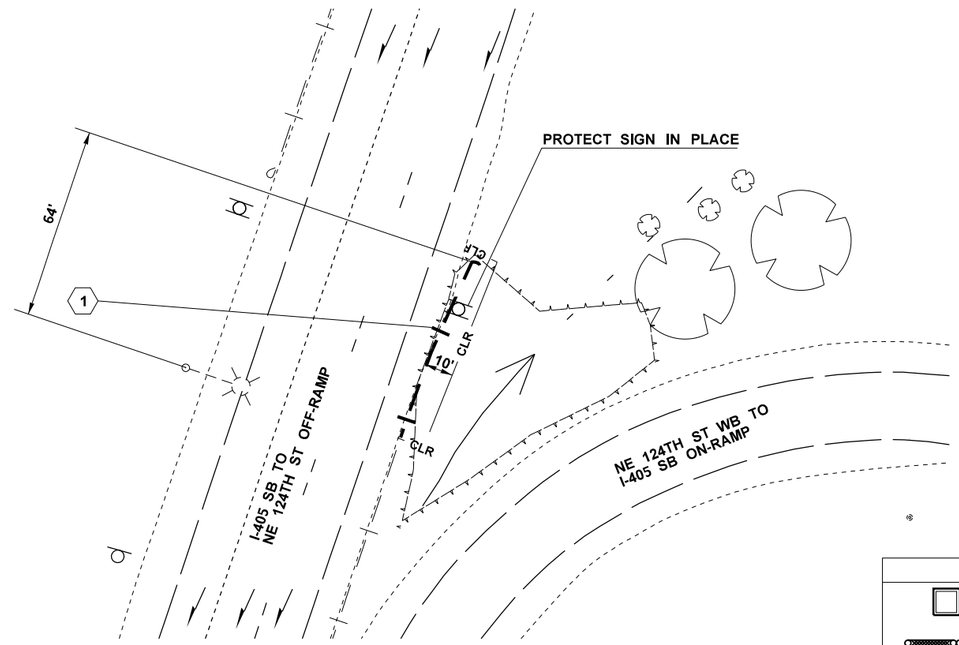
DATE
P.E. STAMP BOX

Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

SITE PREPARATION PLAN

Plot 9
PLAN REF NO SP17
SHEET 24 OF 134 SHEETS



NOTES:

1. SEE SHEETS BP18 & BN1 FOR MORE INFORMATION.
2. SEE SPECIAL PROVISIONS FOR MORE INFORMATION ON CLEARING. CLEARING LIMITS ON PLANS ARE INFORMATION ONLY, THE CLEARING LIMITS SHALL BE LIMITED TO THE AREA NEEDED TO INSTALL THE NEW GUARDRAIL PER THE STANDARD PLANS.

CONSTRUCTION NOTES:

1. REMOVE EXISTING GUARDRAIL TERMINAL/GUARDRAIL
2. REMOVE EXISTING FLEXIBLE GUIDEPOST
3. INSTALL COMPOST SOCKS TO PROTECT THE EXISTING DITCH
4. ROADWAY EXCAVATION (INCL. HAUL)
5. INLET PROTECTION
6. SAWCUT THE BLUNT END OF CEMENT CONC. CURB AT A 45 DEGREE ANGLE
7. REMOVE EXISTING CONC. BARRIER
8. REMOVE EXISTING PERMANENT IMPACT ATTNEUATOR
9. TEMPORARY ATTENAUTOR/TEMPORARY BARRIER
10. REMOVE ASPHALT CONC. CURB
11. REMOVE/RESET TEMPORARY FENCING

I-405, R1 02065, MP 0.22, I, LT
(I-405 SB to 124TH ST OFF-RAMP)

0 20 40
SCALE IN FEET

LEGEND

	INLET PROTECTION		EXISTING GUARDRAIL
	COMPOST SOCK		EXISTING GUARDRAIL (REMOVAL)
	TREES		EXISTING IMPACT ATTENUATOR
	HEDGES		EXISTING CONC. BARRIER
	TREE LINE		RUMBLE STRIP
	BUSH LINE		FENCE
	AREA INLET		RETAINING WALL
UD	EXISTING UNDER DRAIN LINE		TEMPORARY BARRIER
ST	EXISTING STORM SEWER LINE		TEMPORARY IMPACT ATTENUATOR
	EXISTING DRAIN INLET		EXISTING FIRE HYDRANT
	DETENTION POND		EXISTING GUIDE POST
	EXISTING DITCH		ELECTRICAL CABINETS
100 YR	100 YEAR FLOOD PLAIN		EXISTING SIGNS
	RAMP METERS		LUMINAIRES
	EDGE OF PAVEMENT	CLR	CLEARING
	BRIDGE COLUMN		

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\03_XL6411_PS_SP2.dgn					
TIME	9:24:52 AM				REGION NO. 10	STATE WASH
DATE	6/23/2023					FED.AID PROJ.NO.
PLOTTED BY	KimKath				JOB NUMBER 22A023	
DESIGNED BY	Z. SANETO				CONTRACT NO.	LOCATION NO.
ENTERED BY	Z. SANETO					
CHECKED BY	N. MENZEL					
PROJ. ENGR.	A. EMERSON					
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY		

JEFFERY A. DAVIES STATE OF WASHINGTON 35724 REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1
DATE
P.E. STAMP BOX

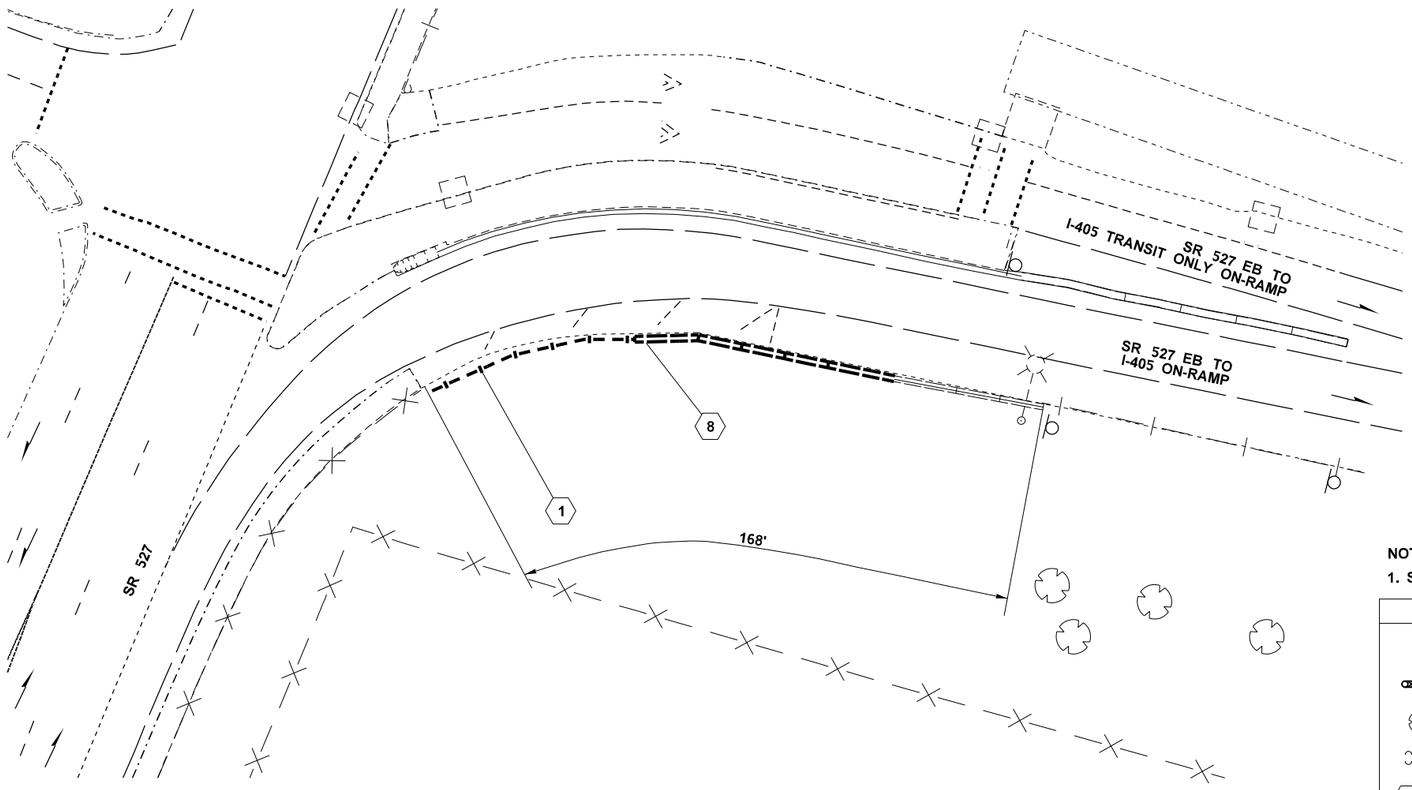
DATE
P.E. STAMP BOX

Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

SITE PREPARATION PLAN

Plot 10
PLAN REF NO SP18
SHEET 25 OF 134 SHEETS



NOTES:

1. SEE SHEETS BP19 & BN1 FOR MORE INFORMATION.

CONSTRUCTION NOTES:

1. REMOVE EXISTING GUARDRAIL TERMINAL/GUARDRAIL
2. REMOVE EXISTING FLEXIBLE GUIDEPOST
3. INSTALL COMPOST SOCKS TO PROTECT THE EXISTING DITCH
4. ROADWAY EXCAVATION (INCL. HAUL)
5. INLET PROTECTION
6. SAWCUT THE BLUNT END OF CEMENT CONC. CURB AT A 45 DEGREE ANGLE
7. REMOVE EXISTING CONC. BARRIER
8. REMOVE EXISTING PERMANENT IMPACT ATTNEUATOR
9. TEMPORARY ATTENAUTOR/TEMPORARY BARRIER
10. REMOVE ASPHALT CONC. CURB
11. REMOVE/RESET TEMPORARY FENCING

I-405, S1 02630, MP 0.03, I, RT
(SR 527 TO I-405 ON-RAMP)

0 20 40
SCALE IN FEET

LEGEND

	INLET PROTECTION		EXISTING GUARDRAIL
	COMPOST SOCK		EXISTING GUARDRAIL (REMOVAL)
	TREES		EXISTING IMPACT ATTENUATOR
	HEDGES		EXISTING CONC. BARRIER
	TREE LINE		RUMBLE STRIP
	BUSH LINE		FENCE
	AREA INLET		RETAINING WALL
UD	EXISTING UNDER DRAIN LINE		TEMPORARY BARRIER
ST	EXISTING STORM SEWER LINE		TEMPORARY IMPACT ATTENUATOR
	EXISTING DRAIN INLET		EXISTING FIRE HYDRANT
	DETENTION POND		EXISTING GUIDE POST
	EXISTING DITCH		ELECTRICAL CABINETS
100 YR	100 YEAR FLOOD PLAIN		EXISTING SIGNS
	RAMP METERS		LUMINAIRES
	EDGE OF PAVEMENT	CLR	CLEARING
	BRIDGE COLUMN		

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\03_XL6411_PS_SP2.dgn
TIME	9:25:01 AM
DATE	6/23/2023
PLOTTED BY	KimKath
DESIGNED BY	Z. SANETO
ENTERED BY	Z. SANETO
CHECKED BY	N. MENZEL
PROJ. ENGR.	A. EMERSON
REGIONAL ADM.	B. NIELSEN

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22A023		
CONTRACT NO.		LOCATION NO.

JEFFERY A. DAVIES, STATE OF WASHINGTON, 33724, REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
P.E. STAMP BOX

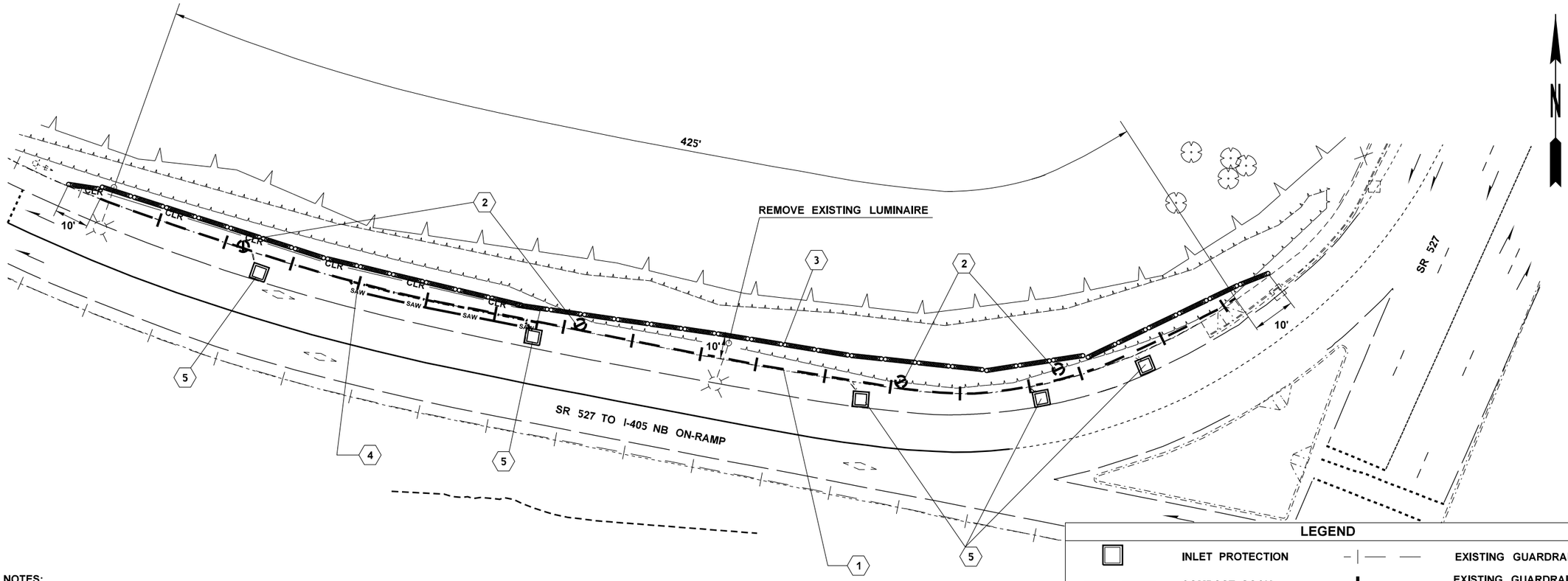
DATE
P.E. STAMP BOX

Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

SITE PREPARATION PLAN

Plot 12
PLAN REF NO SP19
SHEET 26 OF 134 SHEETS



NOTES:

1. SEE SHEETS BP20 & BN1 FOR MORE INFORMATION.
2. SEE SPECIAL PROVISIONS FOR MORE INFORMATION ON CLEARING. CLEARING LIMITS ON PLANS ARE INFORMATION ONLY, THE CLEARING LIMITS SHALL BE LIMITED TO THE AREA NEEDED TO INSTALL THE NEW GUARDRAIL PER THE STANDARD PLANS.

CONSTRUCTION NOTES:

1. REMOVE EXISTING GUARDRAIL TERMINAL/GUARDRAIL
2. REMOVE EXISTING FLEXIBLE GUIDEPOST
3. INSTALL COMPOST SOCKS TO PROTECT THE EXISTING DITCH
4. ROADWAY EXCAVATION (INCL. HAUL)
5. INLET PROTECTION
6. SAWCUT THE BLUNT END OF CEMENT CONC. CURB AT A 45 DEGREE ANGLE
7. REMOVE EXISTING CONC. BARRIER
8. REMOVE EXISTING PERMANENT IMPACT ATTNEUATOR
9. TEMPORARY ATTENAUTOR/TEMPORARY BARRIER
10. REMOVE ASPHALT CONC. CURB
11. REMOVE/RESET TEMPORARY FENCING

I-405, Q1 02734, MP 0.07, I, LT
(SR 527 TO I-405 NB ON-RAMP)

0 20 40
SCALE IN FEET

LEGEND

	INLET PROTECTION		EXISTING GUARDRAIL
	COMPOST SOCK		EXISTING GUARDRAIL (REMOVAL)
	TREES		EXISTING IMPACT ATTENUATOR
	HEDGES		EXISTING CONC. BARRIER
	TREE LINE		RUMBLE STRIP
	BUSH LINE		FENCE
	AREA INLET		RETAINING WALL
UD	EXISTING UNDER DRAIN LINE		TEMPORARY BARRIER
ST	EXISTING STORM SEWER LINE		TEMPORARY IMPACT ATTENUATOR
	EXISTING DRAIN INLET		EXISTING FIRE HYDRANT
	DETENTION POND		EXISTING GUIDE POST
	EXISTING DITCH		ELECTRICAL CABINETS
100 YR	100 YEAR FLOOD PLAIN		EXISTING SIGNS
	RAMP METERS		LUMINAIRES
	EDGE OF PAVEMENT	CLR	CLEARING
	BRIDGE COLUMN		

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\03_XL6411_PS_SP2.dgn
TIME	9:25:10 AM
DATE	6/23/2023
PLOTTED BY	KimKath
DESIGNED BY	Z. SANETO
ENTERED BY	Z. SANETO
CHECKED BY	N. MENZEL
PROJ. ENGR.	A. EMERSON
REGIONAL ADM.	B. NIELSEN

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22A023		
CONTRACT NO.		LOCATION NO.

JEFFERY A. DAVIES, STATE OF WASHINGTON, 33726, REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
P.E. STAMP BOX

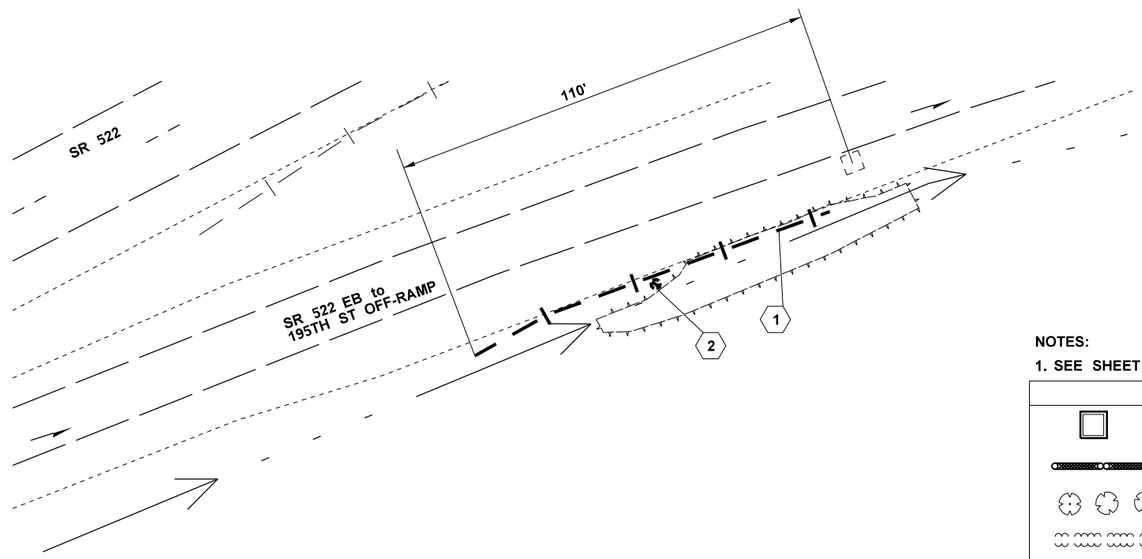
DATE
P.E. STAMP BOX

Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

SITE PREPARATION PLAN

Plot 14
PLAN REF NO SP20
SHEET 27 OF 134 SHEETS



NOTES:

1. SEE SHEET BN1 FOR MORE INFORMATION.

LEGEND

	INLET PROTECTION		EXISTING GUARDRAIL
	COMPOST SOCK		EXISTING GUARDRAIL (REMOVAL)
	TREES		EXISTING IMPACT ATTENUATOR
	HEDGES		EXISTING CONC. BARRIER
	TREE LINE		RUMBLE STRIP
	BUSH LINE		FENCE
	AREA INLET		RETAINING WALL
UD	EXISTING UNDER DRAIN LINE		TEMPORARY BARRIER
ST	EXISTING STORM SEWER LINE		TEMPORARY IMPACT ATTENUATOR
	EXISTING DRAIN INLET		EXISTING FIRE HYDRANT
	DETENTION POND		EXISTING GUIDE POST
	EXISTING DITCH		ELECTRICAL CABINETS
100 YR	100 YEAR FLOOD PLAIN		EXISTING SIGNS
	RAMP METERS		LUMINAIRES
	EDGE OF PAVEMENT	CLR	CLEARING
	BRIDGE COLUMN		

CONSTRUCTION NOTES:

1. REMOVE EXISTING GUARDRAIL TERMINAL/GUARDRAIL
2. REMOVE EXISTING FLEXIBLE GUIDEPOST
3. INSTALL COMPOST SOCKS TO PROTECT THE EXISTING DITCH
4. ROADWAY EXCAVATION (INCL. HAUL)
5. INLET PROTECTION
6. SAWCUT THE BLUNT END OF CEMENT CONC. CURB AT A 45 DEGREE ANGLE
7. REMOVE EXISTING CONC. BARRIER
8. REMOVE EXISTING PERMANENT IMPACT ATTNEUATOR
9. TEMPORARY ATTENAUTOR/TEMPORARY BARRIER
10. REMOVE ASPHALT CONC. CURB
11. REMOVE/RESET TEMPORARY FENCING

SR 522, P1 01266, MP 0.14, I, RT
(SR 522 EB TO 195TH ST OFF-RAMP)

0 20 40
SCALE IN FEET

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\03_XL6411_PS_SP2.dgn
TIME	9:25:19 AM
DATE	6/23/2023
PLOTTED BY	KimKath
DESIGNED BY	Z. SANETO
ENTERED BY	Z. SANETO
CHECKED BY	N. MENZEL
PROJ. ENGR.	A. EMERSON
REGIONAL ADM.	B. NIELSEN

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22A023		
CONTRACT NO.		LOCATION NO.

JEFFREY A. DAVIES — STATE OF WASHINGTON — 33724 — REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
P.E. STAMP BOX

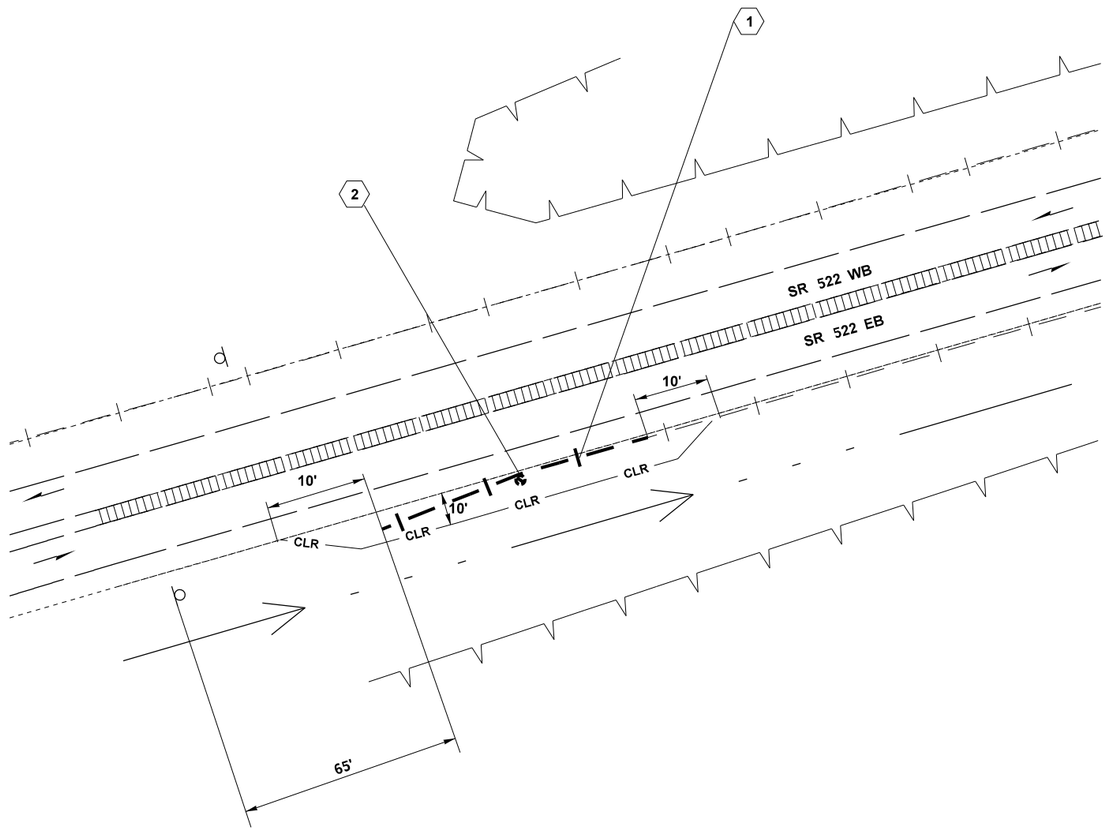
DATE
P.E. STAMP BOX

Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE
TERMINAL REPLACEMENT 21-23

SITE PREPARATION PLAN

Plot 16
PLAN REF NO
SP21
SHEET 28 OF 134 SHEETS



NOTES:

1. SEE SHEETS BP21 & BN1 FOR MORE INFORMATION.
2. SEE SPECIAL PROVISIONS FOR MORE INFORMATION ON CLEARING. CLEARING LIMITS ON PLANS ARE INFORMATION ONLY, THE CLEARING LIMITS SHALL BE LIMITED TO THE AREA NEEDED TO INSTALL THE NEW GUARDRAIL PER THE STANDARD PLANS.

CONSTRUCTION NOTES:

1. REMOVE EXISTING GUARDRAIL TERMINAL/GUARDRAIL
2. REMOVE EXISTING FLEXIBLE GUIDEPOST
3. INSTALL COMPOST SOCKS TO PROTECT THE EXISTING DITCH
4. ROADWAY EXCAVATION (INCL. HAUL)
5. INLET PROTECTION
6. SAWCUT THE BLUNT END OF CEMENT CONC. CURB AT A 45 DEGREE ANGLE
7. REMOVE EXISTING CONC. BARRIER
8. REMOVE EXISTING PERMANENT IMPACT ATTNEUATOR
9. TEMPORARY ATTENAUTOR/TEMPORARY BARRIER
10. REMOVE ASPHALT CONC. CURB
11. REMOVE/RESET TEMPORARY FENCING

SR 522, MP 17.40, I, RT
(SR 522 MAINLINE 17.40)

0 20 40
SCALE IN FEET

LEGEND

	INLET PROTECTION		EXISTING GUARDRAIL
	COMPOST SOCK		EXISTING GUARDRAIL (REMOVAL)
	TREES		EXISTING IMPACT ATTENUATOR
	HEDGES		EXISTING CONC. BARRIER
	TREE LINE		RUMBLE STRIP
	BUSH LINE		FENCE
	AREA INLET		RETAINING WALL
UD	EXISTING UNDER DRAIN LINE		TEMPORARY BARRIER
ST	EXISTING STORM SEWER LINE		TEMPORARY IMPACT ATTENUATOR
	EXISTING DRAIN INLET		EXISTING FIRE HYDRANT
	DETENTION POND		EXISTING GUIDE POST
	EXISTING DITCH		ELECTRICAL CABINETS
100 YR	100 YEAR FLOOD PLAIN		EXISTING SIGNS
	RAMP METERS		LUMINAIRES
	EDGE OF PAVEMENT	CLR	CLEARING
	BRIDGE COLUMN		

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\03_XL6411_PS_SP2.dgn					
TIME	9:25:28 AM				REGION NO. 10	STATE WASH
DATE	6/23/2023					FED.AID PROJ.NO.
PLOTTED BY	KimKath				JOB NUMBER 22A023	
DESIGNED BY	Z. SANETO				CONTRACT NO.	LOCATION NO.
ENTERED BY	Z. SANETO					
CHECKED BY	N. MENZEL					
PROJ. ENGR.	A. EMERSON					
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY		

JEFFERY A. DAVIES STATE OF WASHINGTON 53724 REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1
DATE
P.E. STAMP BOX

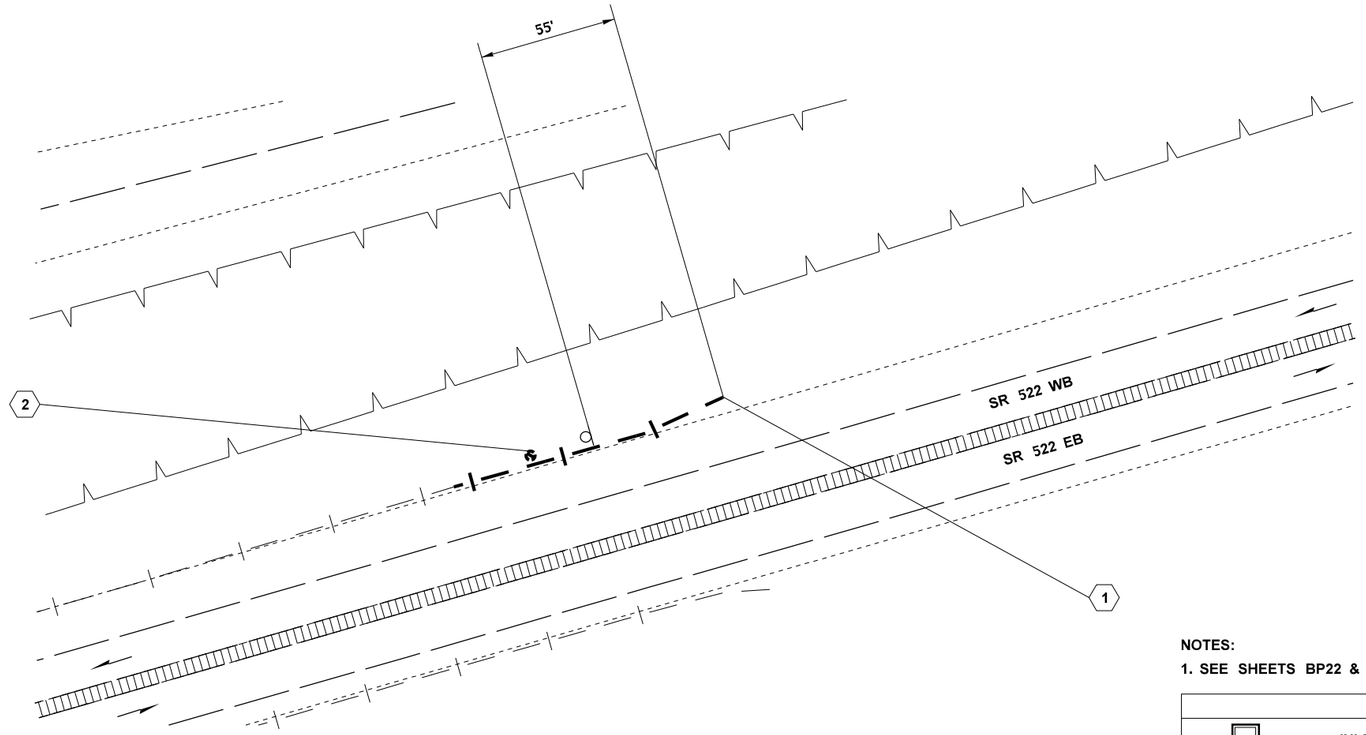
DATE
P.E. STAMP BOX

Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

SITE PREPARATION PLAN

Plot 17
PLAN REF NO SP22
SHEET 29 OF 134 SHEETS



N

NOTES:

1. SEE SHEETS BP22 & BN1 FOR MORE INFORMATION.

LEGEND

	INLET PROTECTION		EXISTING GUARDRAIL
	COMPOST SOCK		EXISTING GUARDRAIL (REMOVAL)
	TREES		EXISTING IMPACT ATTENUATOR
	HEDGES		EXISTING CONC. BARRIER
	TREE LINE		RUMBLE STRIP
	BUSH LINE		FENCE
	AREA INLET		RETAINING WALL
UD	EXISTING UNDER DRAIN LINE		TEMPORARY BARRIER
ST	EXISTING STORM SEWER LINE		TEMPORARY IMPACT ATTENUATOR
	EXISTING DRAIN INLET		EXISTING FIRE HYDRANT
	DETENTION POND		EXISTING GUIDE POST
	EXISTING DITCH		ELECTRICAL CABINETS
100 YR	100 YEAR FLOOD PLAIN		EXISTING SIGNS
	RAMP METERS		LUMINAIRES
	EDGE OF PAVEMENT	CLR	CLEARING
	BRIDGE COLUMN		

CONSTRUCTION NOTES:

1. REMOVE EXISTING GUARDRAIL TERMINAL/GUARDRAIL
2. REMOVE EXISTING FLEXIBLE GUIDEPOST
3. INSTALL COMPOST SOCKS TO PROTECT THE EXISTING DITCH
4. ROADWAY EXCAVATION (INCL. HAUL)
5. INLET PROTECTION
6. SAWCUT THE BLUNT END OF CEMENT CONC. CURB AT A 45 DEGREE ANGLE
7. REMOVE EXISTING CONC. BARRIER
8. REMOVE EXISTING PERMANENT IMPACT ATTNEUATOR
9. TEMPORARY ATTENAUTOR/TEMPORARY BARRIER
10. REMOVE ASPHALT CONC. CURB
11. REMOVE/RESET TEMPORARY FENCING

SR 522, MP 17.56, D, RT
(SR 522 MAINLINE 17.56)

0 20 40
SCALE IN FEET

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\03_XL6411_PS_SP2.dgn
TIME	9:25:39 AM
DATE	6/23/2023
PLOTTED BY	KimKath
DESIGNED BY	Z. SANETO
ENTERED BY	Z. SANETO
CHECKED BY	N. MENZEL
PROJ. ENGR.	A. EMERSON
REGIONAL ADM.	B. NIELSEN

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22A023		
CONTRACT NO.		LOCATION NO.

JEFFERY A. DAVIES, STATE OF WASHINGTON, 33724, REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

SITE PREPARATION PLAN

Plot 18
PLAN REF NO SP23
SHEET 30 OF 134 SHEETS

QUANTITY TABULATION - BARRIER

NOTE:
THE FIRST NUMBER OF THE "CODE" BELOW REFERS TO THE SHEET NO. OR THE SHEET REFERENCE NO. SHOWING THE CONSTRUCTION FEATURE.

THE SECOND NUMBER REFERS TO THE CONSTRUCTION FEATURE FOUND ON THAT SHEET.

CODE	LOCATION ↓ \ UNIT OF MEASURE →	SELECT BORROW INCL. HAUL	ASPHALT CONC. GUTTER	CRUSHED SUFRACING BASE COURSE		HMA FOR PAVEMENT REPAIR CL. 1/2 PG 58H-22	CEMENT CONC. TRAFFIC CURB		BEAM GUARDRAIL TYPE 31	BEAM GUARDRAIL TRANSITION SECTION TYPE 21	BEAM GUARDRAIL TRANSITION SECTION TYPE 24		BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL	BEAM GUARDRAIL TYPE 31 BURIED TERMINAL TYPE 2	BEAM GUARDRAIL ANCHOR TYPE 11	RAISING EXISTING BEAM GUARDRAIL	SEE GENERAL NOTES
		TON	L.F.	TON		TON	L.F.		L.F.	EACH	EACH		EACH	L.F.	EACH	L.F.	
BP1-1	US 2, MP 6.61, D, RT								438						1	25	1,2,3,9,13,14,17
BP2-1	US 2, P1 00818, MP 0.32, I, LT								25				1			25	1,3,5,9,13,14,15
BP3-1	I-5, Q1 16139, MP 0.03, I, RT			10					25				1				3,4,10,13
BP4-1	I-5, S1 16279, MP 0.07, I, LT		141	20		40			88				1			25	1,3,5,9,13,14,16
BP5-1	I-5, R1 16586, MP 0.17, I , LT																
BP6-1	I-5, S1 16615, MP 0.01, I, RT								38		1		1				3,5,7,9,10,12,18
BP7-1	I-5, Q1 16662, MP 0.11, I , RT			10					63	1			1				3,4,6,9,10,11,12,18
BP8-1	I-5, R1 17091, MP 0.15, I, LT			120		100											21, 22, 23
BP9-1	I-5, S1 17414, MP 0.28, I, RT	10												75		25	1,11,13,19
BP10-1	I-5, MP 215.00, I, LT								200				1				3,4,9,13,14,16
BP11-1	I-5, Q5 25410, MP 0.10, I, RT			10					25				1			25	1,3,4,9,13,14,16
BP12-1	I-90, S1 01654, MP 0.02, I, LT			10					25				1			25	1,3,8,4,13
BP13-1	I-405, P3 01406, MP 0.27, I, LT			10					63				1			25	1,3,4,10,13,14,17
BP14-1	I-405, P3 01406, MP 0.28, I , RT	10		20		10											20,21
BP15-1	I-405, P3 01406, MP 0.4, I, LT			10		10	80		25				1				1,3,4,9,13,14,16
BP16-1	I-405, S5 01815, MP 0.18, I, LT			10					25	1			1				3,4,6,9,10,12,14,16
BP17-1	I-405, S1 01986, MP 0.13, I, RT			10					25				1			25	1,3,4,10,13
BP18-1	I-405, R1 02065, MP 0.22, I, LT			10					25				1			25	1,3,4,13
BP19-1	I-405, S1 02630, MP 0.03, I, RT										1		1				5,7,12
BP20-1	I-405, Q1 02734, MP 0.03, I, RT			10		10			50				1			25	1,3,4,10,13,14,15
BP21-1	SR 522, MP 17.40, I, RT			10					25				1			50	1,3,4,13
BP22-1	SR 522, MP 17.56, D, RT								25				1			50	1,3,4,13
	SHEET TOTAL	20	141	270		170	80		1190	2	2		17	75	1	350	
	PROJECT TOTAL	20	141	270		170	80		1190	2	2		17	75	1	350	

GENERAL NOTES:

1. SEE STANDARD PLAN C-1 RAISING BEAM GUARDRAIL DETAIL.
2. SEE STANDARD PLAN C-23.70 BEAM GUARDRAIL (TYPE 31) ANCHOR TYPE 11.
3. SEE STANDARD PLAN C-20.10 BEAM GUARDRAIL TYPE 31.
4. SEE STANDARD PLAN C-22.40 BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL (ALL POSTED SPEEDS).
5. SEE STANDARD PLAN C-22-45 BEAM GUARDRAIL TYPE 31 NON-FLARD TERMINAL (POSTED SPEED 45 MPH AND BELOW).
6. SEE STANDARD PLAN C-25.20 BEAM GUARDRAIL (TYPE 31) TRANSITION TYPE 21.
7. SEE STANDARD PLAN C.25.30 BEAM GUARDRAIL (TYPE 31) TRANSITION TYPE 24.
8. SEE STANDARD PLAN C-20.14 BEAM GUARDRAIL PLACEMENT (CASES 1-31, 2-31, & 3-31).
9. SEE STANDARD PLAN C-20.15 BEAM GUARDRAIL PLACEMENT (CASES 4-31 & 5-31).
10. SEE STANDARD PLAN C-20.18 BEAM GUARDRAIL PLACEMENT (CASES 10A-31, 10B-31, & 10C-31).
11. SEE STANDARD PLAN C-20.40 BEAM GUARDRAIL TYPE 31 PLACEMENT 12'-6", 18'9", OR 25'-0" SPAN.
12. SEE STANDARD PLAN C-24.10 GUARDRAIL CONNECTION TO BRIDGE RAIL OR CONCRETE BARRIER.
13. SEE STANDARD PLAN C-25.80 BEAM GUARDRAIL TYPE 31 TO BEAM GUARDRAIL TYPE 1 ADAPTOR.
14. SEE STANDARD PLAN M-40.10 GUIDE POST AND BARRIER DELINEATORS.
15. SEE STANDARD PLAN M-40.20 GUIDE POST PLACEMENT INTERCHANGE.
16. SEE STANDARD PLAN M-40.50 GUIDE POST PLACEMENT BRIDGES.
17. SEE STANDARD PLAN C-20.42 GUARDRAIL PLACEMENT STRONG POST ~ TYPE 31 INTERSECTION DESIGN.

DESIGNED BY	Z. SANETO					
ENTERED BY	K. KIM					
CHECKED BY	N.MENZEL					
PROJ. ENGR.	A. EMERSON					
REGION ADM.	B. NIELSEN					
		DATE	DATE	REVISION	BY	

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	

JOB NUMBER 22A023

CONTRACT NO.

Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

QUANTITY TABULATION - BARRIER

QTBP 1

SHEET 31 OF 134 SHEETS

QUANTITY TABULATION - BARRIER

NOTE:
THE FIRST NUMBER OF THE "CODE" BELOW REFERS TO THE SHEET NO. OR THE SHEET REFERENCE NO. SHOWING THE CONSTRUCTION FEATURE.

THE SECOND NUMBER REFERS TO THE CONSTRUCTION FEATURE FOUND ON THAT SHEET.

CODE	LOCATION ↓ \ UNIT OF MEASURE →	PRECAST CONC. BARRIER TYPE SINGLE SLOPE	PRECAST CONC. BARRIER TYPE SINGLE SLOPE VERTICAL BACK	PRECAST CONC. BARRIER TYPE SINGLE SLOPE WITH SCUPPER		PERMANENT IMPACT ATTENUATOR	FLEXIBLE GUIDE POST	BARRIER DELINATORS									SEE GENERAL NOTES
		L.F.	L.F.	L.F.		EACH	EACH	EACH									
BP1-1	US 2, MP 6.61, D, RT						4										1,2,3,9,13,14,17
BP2-1	US 2, P1 00818, MP 0.32, I, LT						5										1,3,5,9,13,14,15
BP3-1	I-5, Q1 16139, MP 0.03, I, RT																3,4,10,13
BP4-1	I-5, S1 16279, MP 0.07, I, LT						3										1,3,5,9,13,14,16
BP5-1	I-5, R1 16586, MP 0.17, I , LT					1											
BP6-1	I-5, S1 16615, MP 0.01, I, RT																3,5,7,9,10,12,18
BP7-1	I-5, Q1 16662, MP 0.11, I , RT																3,4,6,9,10,11,12,18
BP8-1	I-5, R1 17091, MP 0.15, I, LT	360	40	13		1		6									21, 22, 23
BP9-1	I-5, S1 17414, MP 0.28, I, RT																1,11,13,19
BP10-1	I-5, MP 215.00, I, LT						3										3,4,9,13,14,16
BP11-1	I-5, Q5 25410, MP 0.10, I, RT						3										1,3,4,9,13,14,16
BP12-1	I-90, S1 01654, MP 0.02, I, LT																1,3,8,4,13
BP13-1	I-405, P3 01406, MP 0.27, I, LT						4										1,3,4,10,13,14,17
BP14-1	I-405, P3 01406, MP 0.28, I , RT	140				1											20,21
BP15-1	I-405, P3 01406, MP 0.4, I, LT						3										1,3,4,9,13,14,16
BP16-1	I-405, S5 01815, MP 0.18, I, LT						3										3,4,6,9,10,12,14,16
BP17-1	I-405, S1 01986, MP 0.13, I, RT																1,3,4,10,13
BP18-1	I-405, R1 02065, MP 0.22, I, LT																1,3,4,13
BP19-1	I-405, S1 02630, MP 0.03, I, RT																5,7,12
BP20-1	I-405, Q1 02734, MP 0.03, I, RT						7										1,3,4,10,13,14,15
BP21-1	SR 522, MP 17.40, I, RT																1,3,4,13
BP22-1	SR 522, MP 17.56, D, RT																1,3,4,13
	SHEET TOTAL	500	40	13		3	35	6									
	PROJECT TOTAL	500	40	13		3	35	6									

GENERAL NOTES:

18. SEE STANDARD PLAN C-24.15 BEAM GUARDRAIL CONNECTION TO STRUCTURE - ADAPTER PLATE.

19. SEE STANDARD PLAN C-22.16 BEAM GUARDRAIL TYPE 31 BURIED TERMINAL TYPE 2.

12. ALLOWABLE IMPACT ATTENUATOR OPTIONS (INCLUDE SIGN NO. W12-5020):
- SCI100GM
- QUADGUARD M10
- TAU-M TL-3
- QUADGUARD M10 TL-3

21. SEE STANDARD PLAN C-70.10 SINGLE-SLOPE CONCRETE BARRIER (PRECAST).

22. SEE STANDARD PLAN C-75.20 SINGLE-SLOPE CONCRETE BARRIER (PRECAST) VERTICAL BACK.

23. SEE STANDARD PLAN C-70.15 SINGLE-SLOPE CONCRETE BARRIER WITH SCUPPERS (PRECAST).

DESIGNED BY	Z. SANETO				
ENTERED BY	K. KIM				
CHECKED BY	N.MENZEL				
PROJ. ENGR.	A. EMERSON				
REGION ADM.	B. NIELSEN				
		DATE	DATE	REVISION	BY

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	

JOB NUMBER 22A023

CONTRACT NO.

Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE
TERMINAL REPLACEMENT 21-23

QUANTITY TABULATION - BARRIER

QTBP 2

SHEET 32 OF 134 SHEETS

STATE ROUTE

MILEPOST

(RT) RIGHT SIDE,
(LT) LEFT SIDE

US 2, P1 00818, MP 0.32, I, LT

RAMP

(I) INCREASING MP,
(D) DECREASING MP

LOCATIONS FOR BID ITEMS BASED ON STATE ROUTE ID (SRID)

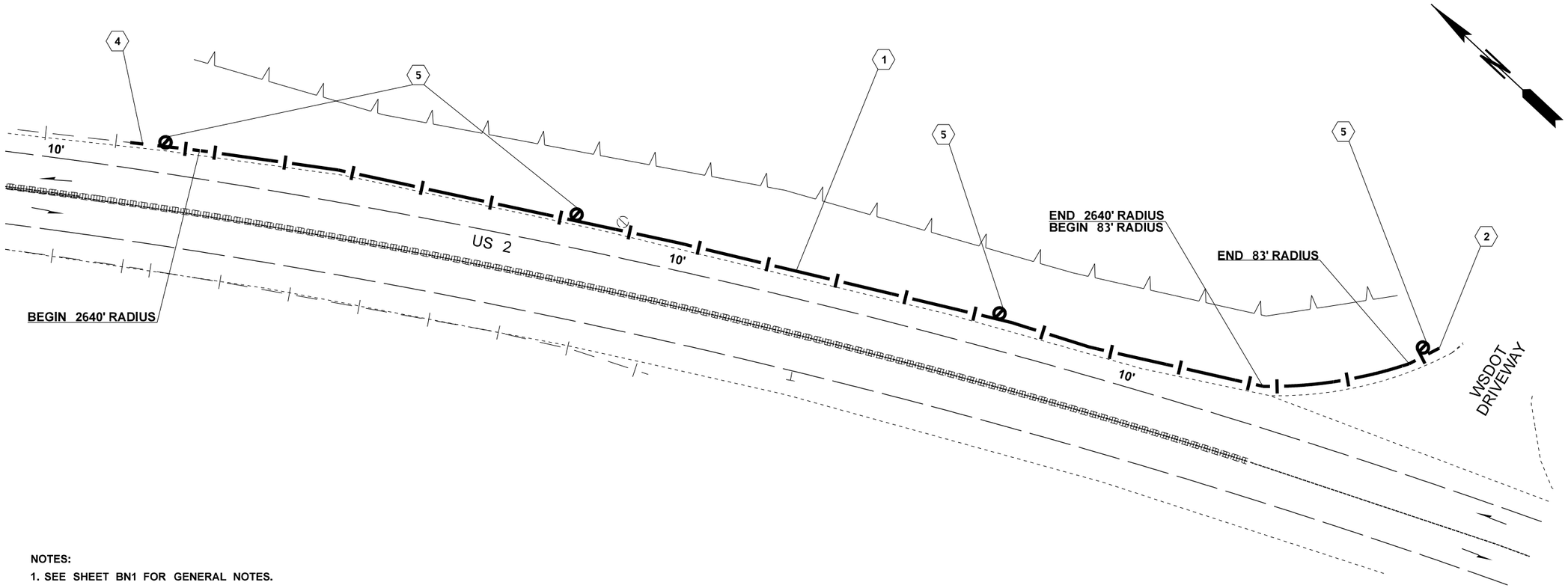
NOTES

1. EACH STATE ROUTE IN WASHINGTON IS IDENTIFIED USING A UNIQUE ALPHA-NUMERIC STATE ROUTE ID (SRID). THIS IS COMPOSED OF A STATE ROUTE NUMBER (SR), RAMP, AND MILEPOST (MP).
2. EACH SRID IS CONSIDERED A ROUTE UNTO ITSELF. FEATURES OF A ROUTE ARE CODED WITHIN WSDOT'S DATABASE IN TERMS OF THEIR LINEAR DISTANCE FROM THE START OF THAT ROUTE TO THE NEAREST 100TH OF A MILE, INCREASING (I) IN MILE POST FROM THE BEGINNING WITH LEFT (LT) AND RIGHT (RT) SIDE FEATURES RELATIVE TO THE DIRECTION OF TRAVEL. DECREASING (D) REVERSES THE DIRECTION OF TRAVEL TOWARDS THE STARTING POINT OF THE SRID WITH LEFT AND RIGHT FEATURES RELATIVE TO THE DIRECTION OF TRAVEL.
3. ANY LOCATION THAT GIVES A MILEPOST, BUT NOT A RAMP NUMBER, IS THE MILEPOST ON THE MAINLINE PORTION OF THE STATE ROUTE.
4. A DATABASE CONTAINING ADDITIONAL INFORMATION, INCLUDING THE PROJECT LOCATIONS USING THE SRID, IS AVAILABLE TO THE PUBLIC USING THE WSDOT GEOPORTAL MAP APPLICATION AT:

   HTTPS://WSDOT.WA.GOV/DATA/TOOLS/GEOPORTAL/

GENERAL NOTES

1. REMOVE A MINIMUM OF 75 FEET OF EXISTING GUARDRAIL, UNLESS OTHERWISE NOTED.
2. WHERE SPECIFIED, REMOVE ASPHALT CONC. PAVEMENT TO REMOVE EXISTING FLARED GUARDRAIL.
3. THE FACE OF THE NEW GUARDRAIL SHALL BE 0 FT FROM THE EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED. FOLLOW STD. PLAN C22-40 FOR NEW GUARDRAIL TERMINAL OFFSET FROM EDGE OF PAVEMENT.
4. ALL POSTS SHALL BE 6 FEET IN LENGTH, UNLESS OTHERWISE NOTED.
5. NEW FLEXIBLE GUIDEPOSTS SHALL BE INSTALLED IN SAME LOCATION AS EXISTING FLEIXBE GUIDEPOSTS, UNLESS OTHERWISE NOTED.
6. BMP'S SHALL BE STAKED PER SITE PREPERATION PLAN, UNLESS OTHERWISE INSTRUCTED BY THE ENGINEER.
7. NO SIGNS SHALL BE REMOVED UNLESS OTHERWISED NOTED.
8. CRUSHED SURFACE BASE COURSE SHALL BE USED TO CREATE THE EMBANKEMENT AND MATCH THE EMBANKMENT SLOPES IN STD PLAN C-22.40. COMPACTION WILL BE IN ACCORDANCE WITH SPECIAL PROVISIONS. THE WIDEN EMBANKMENT WIDTH SHALL BE REDUCED DOWN TO 4 FT ONCE THE MINIMUM LONGITUDINAL LENGTH OF THE TERMINAL PAD IS MET.
9. SEEDING AND FERTILIZING BY HAND IN DISTURBED AREAS TO BE STAKED BY ENGINEER.
10. SWEEPING, AS ORDERED BY THE ENGINEER, IS INCIDENTAL TO ASSOICATED BID ITEM WORK.



NOTES:

1. SEE SHEET BN1 FOR GENERAL NOTES.
2. CONNECT BEAM GUARDRAIL TYPE 31 TO EXISTING GUARDRAIL, SEE STD. PLAN C-25.80.
3. SEE SHEET SP1 FOR MORE INFORMATION.

CONSTRUCTION NOTES:

1. INSTALL NEW GUARDRAIL
2. INSTALL NEW GUARDRAIL ANCHOR/ NEW GUARDRAIL TERMINAL
3. INSTALL NEW GUARDRAIL TRANSITION SECTION
4. RAISE EXISTING GUARDRAIL
5. INSTALL FLEXIBLE GUIDEPOST
6. CRUSHED SURFACING BASE COURSE
7. HMA FOR PAVEMENT REPAIR
8. INSTALL ASPHALT CONC. GUTTER
9. INSTALL CEMENT CONC. TRAFFIC CURB
10. INSTALL NEW IMPACT ATTENAUTOR
11. INSTALL NEW CONC. BARRIER
12. REMOVE AND RESET EXISTING CONC. BARRIER
13. CONTROL POINT AS IMPACT ATTENUATOR CENTERLINE MAY VERY DEPENDING ON IMPACT ATTENUATOR CHOOSEN

US 2, MP 6.61, D, RT

0 20 40
SCALE IN FEET

LEGEND

	BEAM GUARDRAIL TYPE 31		ASPHALT CONC. GUTTER
	EXISTING GUARDRAIL		EXISING CONCRETE BARRIER
	FENCE		PRECAST CONC. BARRIER TYPE SINGLE SLOPE
	RETAINING WALL		EXISTING IMPACT ATTENUATOR
	RUMBLE STRIP		PERMANENT IMPACT ATTENUATOR
HMA HMA	HMA FOR PAVEMENT REPAIR CL ½ IN. PG 58H-22		BRIDGE PIER COLUMN
	CRUSHED SURFACING BASE COURSE		EXISTING LUMINAIRES
	EXISTING SIGNS		PROPOSED LUMINAIRES
	TREES		RAMP METERS
	HEDGES		ELECTRICAL CABINETS
	EXISTING DRAIN INLET		FLEXIBLE GUIDE POST
	DETENTION POND		EXISTING GUIDEPOST
	CEMENT CONC. TRAFFIC CURB		

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\06_XL6411_PS_BGP.dgn				REGION NO. 10	STATE WASH
TIME	8:25:12 AM				JOB NUMBER 22A023	FED.AID PROJ.NO.
DATE	6/29/2023				CONTRACT NO.	LOCATION NO.
PLOTTED BY	SanetoZ					
DESIGNED BY	Z. SANETO					
ENTERED BY	Z. SANETO					
CHECKED BY	N. MENZEL					
PROJ. ENGR.	A. EMERSON					
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY		

JEFFERY A. DAVIES, STATE OF WASHINGTON, 33724, REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

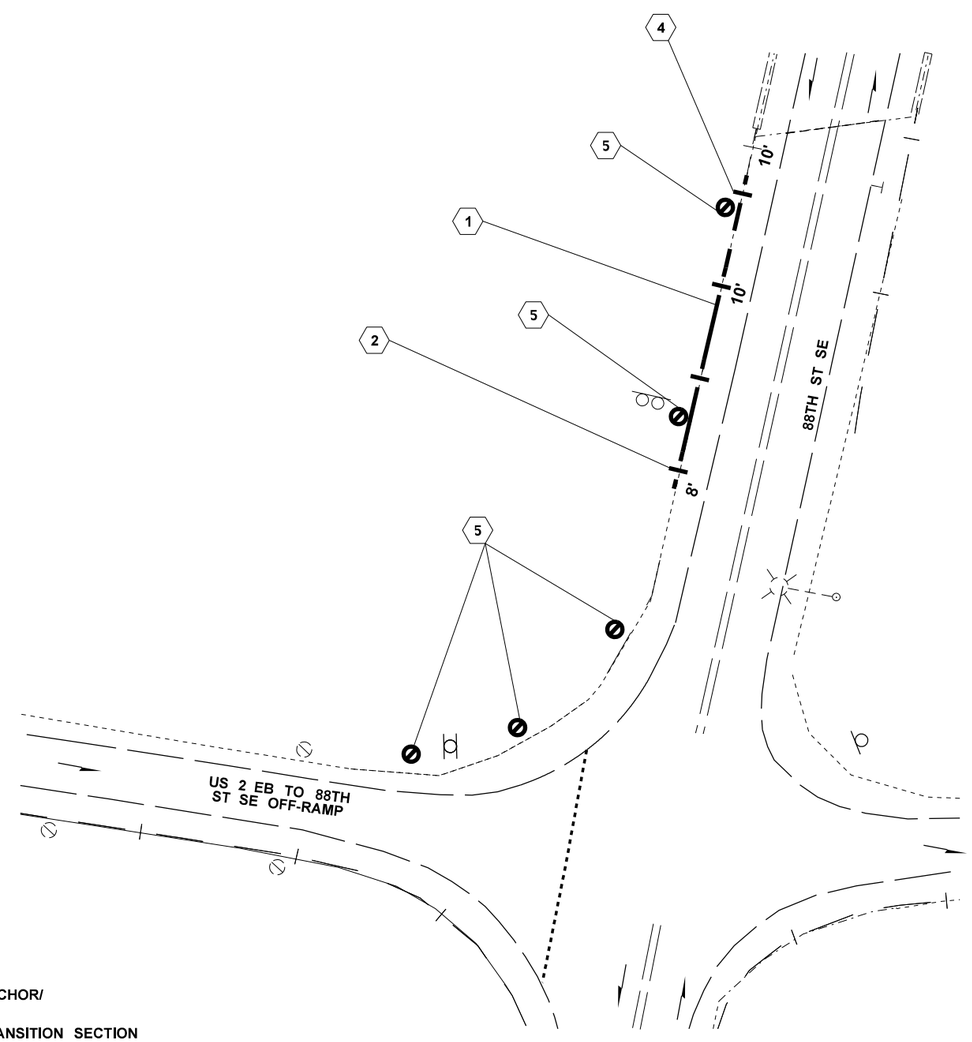
Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

BARRIER PLAN

PLAN REF NO BP1

SHEET 34 OF 134 SHEETS



NOTES:

1. SEE SHEET BN1 FOR GENERAL NOTES.
2. CONNECT BEAM GUARDRAIL TYPE 31 TO EXISTING GUARDRAIL, SEE STD. PLAN C-25.80.
3. SEE SHEET SP2 FOR MORE INFORMATION.

CONSTRUCTION NOTES:

1. INSTALL NEW GUARDRAIL
2. INSTALL NEW GUARDRAIL ANCHOR/ NEW GUARDRAIL TERMINAL
3. INSTALL NEW GUARDRAIL TRANSITION SECTION
4. RAISE EXISTING GUARDRAIL
5. INSTALL FLEXIBLE GUIDEPOST
6. CRUSHED SURFACING BASE COURSE
7. HMA FOR PAVEMENT REPAIR
8. INSTALL ASPHALT CONC. GUTTER
9. INSTALL CEMENT CONC. TRAFFIC CURB
10. INSTALL NEW IMPACT ATTENAUTOR
11. INSTALL NEW CONC. BARRIER
12. REMOVE AND RESET EXISTING CONC. BARRIER
13. CONTROL POINT AS IMPACT ATTENUATOR CENTERLINE MAY VERY DEPENDING ON IMPACT ATTENUATOR CHOOSEN

US 2, P1 00818, MP 0.32, I, LT

0 20 40
SCALE IN FEET

LEGEND

	BEAM GUARDRAIL TYPE 31		ASPHALT CONC. GUTTER
	EXISTING GUARDRAIL		EXISING CONCRETE BARRIER
	FENCE		PRECAST CONC. BARRIER TYPE SINGLE SLOPE
	RETAINING WALL		EXISTING IMPACT ATTENUATOR
	RUMBLE STRIP		PERMANENT IMPACT ATTENUATOR
HMA HMA	HMA FOR PAVEMENT REPAIR CL ½ IN. PG 58H-22		BRIDGE PIER COLUMN
	CRUSHED SURFACING BASE COURSE		EXISTING LUMINAIRES
	EXISTING SIGNS		PROPOSED LUMINAIRES
	TREES		RAMP METERS
	HEDGES		ELECTRICAL CABINETS
	EXISTING DRAIN INLET		FLEXIBLE GUIDE POST
	DETENTION POND		EXISTING GUIDEPOST
	CEMENT CONC. TRAFFIC CURB		

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TIME	8:25:13 AM				JOB NUMBER 22A023		
DATE	6/29/2023				CONTRACT NO.		LOCATION NO.
PLOTTED BY	SanetoZ						
DESIGNED BY	Z. SANETO						
ENTERED BY	Z. SANETO						
CHECKED BY	N. MENZEL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

JEFFERY A. DAVIES STATE OF WASHINGTON 33724 REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
P.E. STAMP BOX

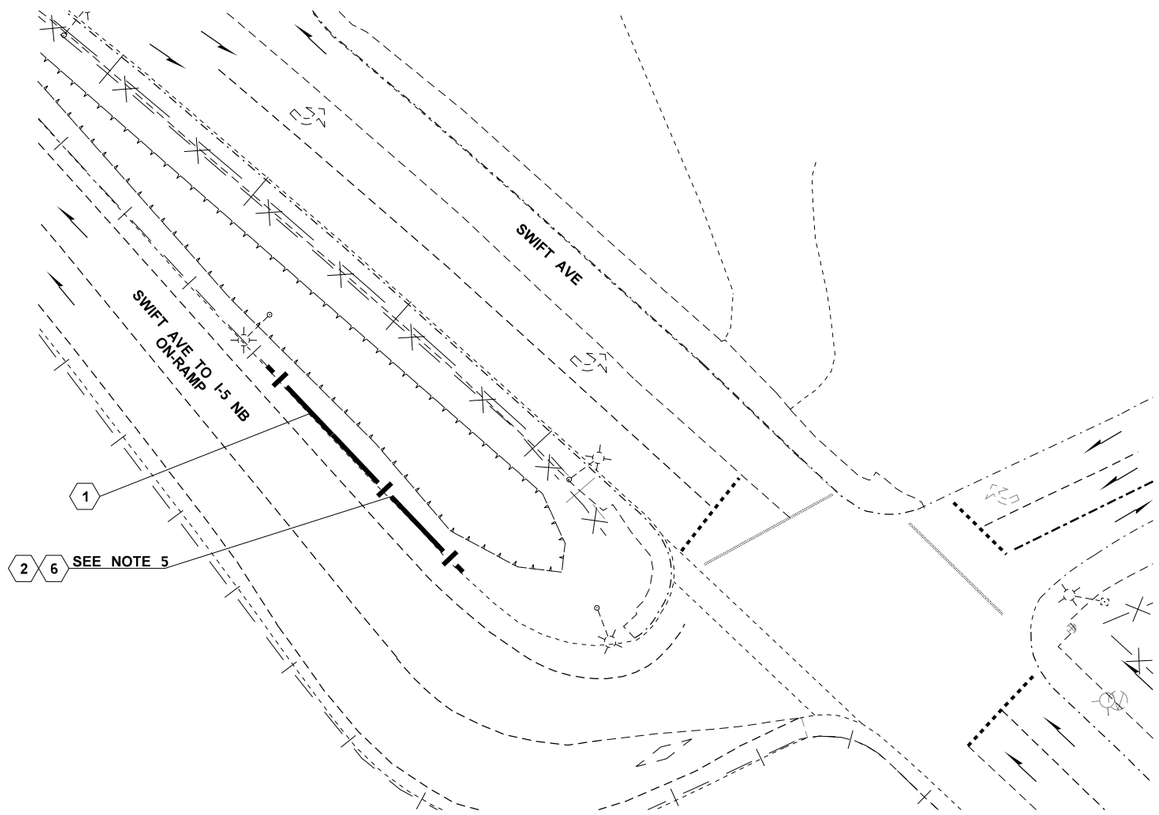
DATE
P.E. STAMP BOX

Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

BARRIER PLAN

Plot 2
PLAN REF NO BP2
SHEET 35 OF 134 SHEETS



NOTES:

1. SEE SHEET BN1 FOR GENERAL NOTES.
2. CONNECT BEAM GUARDRAIL TYPE 31 TO EXISTING GUARDRAIL, SEE STD. PLAN C-25.80.
3. SEE SHEET SP3 FOR MORE INFORMATION.
4. SEE SHEET BD1 AND STANDARD PLANS FOR ADDITIONAL GUARDRAIL DETAILS.
5. MATCH EXISTING GUARDRAIL OFFSET FROM EDGE LINE.

CONSTRUCTION NOTES:

1. INSTALL NEW GUARDRAIL
2. INSTALL NEW GUARDRAIL ANCHOR/ NEW GUARDRAIL TERMINAL
3. INSTALL NEW GUARDRAIL TRANSITION SECTION
4. RAISE EXISTING GUARDRAIL
5. INSTALL FLEXIBLE GUIDEPOST
6. CRUSHED SURFACING BASE COURSE
7. HMA FOR PAVEMENT REPAIR
8. INSTALL ASPHALT CONC. GUTTER
9. INSTALL CEMENT CONC. TRAFFIC CURB
10. INSTALL NEW IMPACT ATTENAUTOR
11. INSTALL NEW CONC. BARRIER
12. REMOVE AND RESET EXISTING CONC. BARRIER
13. CONTROL POINT AS IMPACT ATTENUATOR CENTERLINE MAY VERY DEPENDING ON IMPACT ATTENUATOR CHOOSEN

I-5, Q1 16139, MP 0.03, I, RT

0 20 40
SCALE IN FEET

LEGEND

	BEAM GUARDRAIL TYPE 31		ASPHALT CONC. GUTTER
	EXISTING GUARDRAIL		EXISING CONCRETE BARRIER
	FENCE		PRECAST CONC. BARRIER TYPE SINGLE SLOPE
	RETAINING WALL		EXISTING IMPACT ATTENUATOR
	RUMBLE STRIP		PERMANENT IMPACT ATTENUATOR
HMA HMA	HMA FOR PAVEMENT REPAIR CL ½ IN. PG 58H-22		BRIDGE PIER COLUMN
	CRUSHED SURFACING BASE COURSE		EXISTING LUMINAIRES
	EXISTING SIGNS		PROPOSED LUMINAIRES
	TREES		RAMP METERS
	HEDGES		ELECTRICAL CABINETS
	EXISTING DRAIN INLET		FLEXIBLE GUIDE POST
	DETENTION POND		EXISTING GUIDEPOST
	CEMENT CONC. TRAFFIC CURB		

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DATE	6/29/2023			
PLOTTED BY	SanetoZ			
DESIGNED BY	Z. SANETO			
ENTERED BY	Z. SANETO			
CHECKED BY	N. MENZEL			
PROJ. ENGR.	A. EMERSON			
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22A023		
CONTRACT NO.		LOCATION NO.

HERBERT A. DAVIES STATE OF WASHINGTON 33724 REGISTERED PROFESSIONAL ENGINEER

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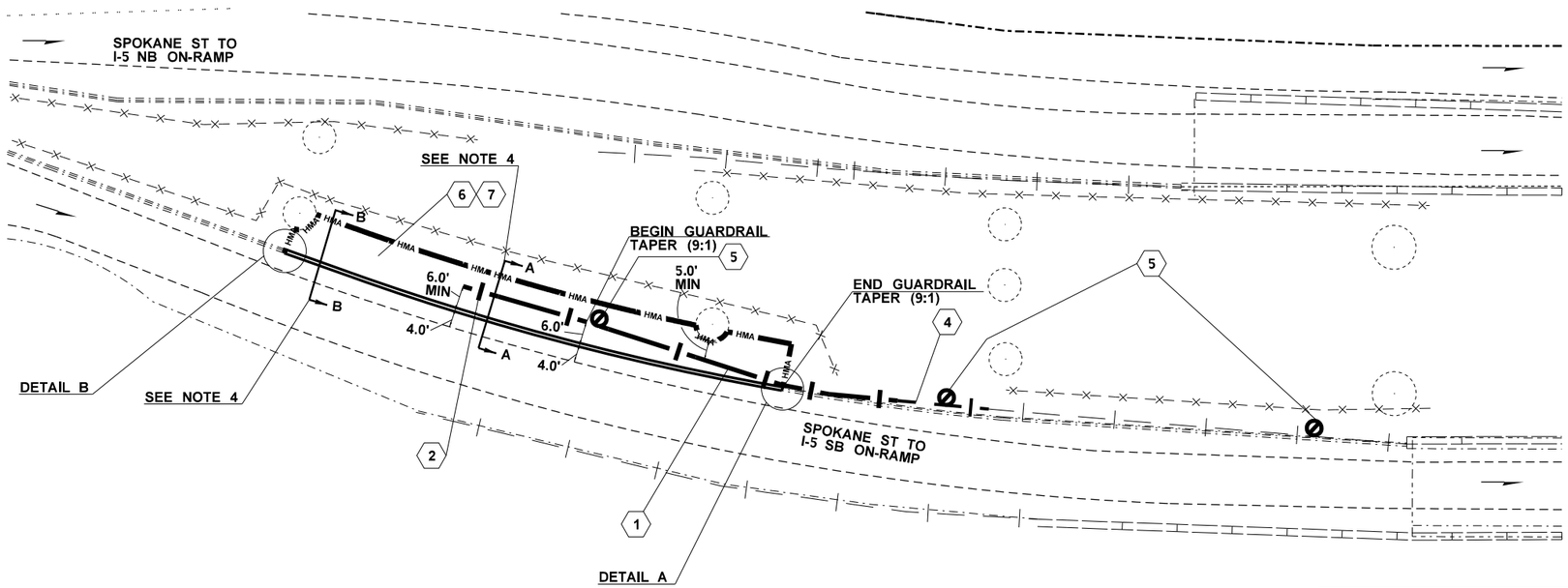
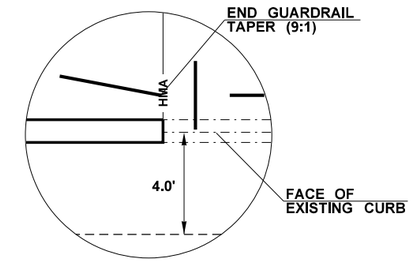
Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

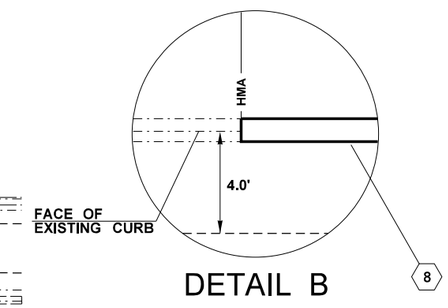
BARRIER PLAN

Plot 3
PLAN REF NO BP3
SHEET 36 OF 134 SHEETS





DETAIL A



DETAIL B

N

CONSTRUCTION NOTES:

1. INSTALL NEW GUARDRAIL
2. INSTALL NEW GUARDRAIL ANCHOR/ NEW GUARDRAIL TERMINAL
3. INSTALL NEW GUARDRAIL TRANSITION SECTION
4. RAISE EXISTING GUARDRAIL
5. INSTALL FLEXIBLE GUIDEPOST
6. CRUSHED SURFACING BASE COURSE
7. HMA FOR PAVEMENT REPAIR
8. INSTALL ASPHALT CONC. GUTTER
9. INSTALL CEMENT CONC. TRAFFIC CURB
10. INSTALL NEW IMPACT ATTENAUTOR
11. INSTALL NEW CONC. BARRIER
12. REMOVE AND RESET EXISTING CONC. BARRIER
13. CONTROL POINT AS IMPACT ATTENUATOR CENTERLINE MAY VERY DEPENDING ON IMPACT ATTENUATOR CHOOSEN

NOTES:

1. SEE SHEET BN1 FOR GENERAL NOTES.
2. CONNECT BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL TO EXISTING GUARDRAIL, SEE STD. PLAN C-25.80.
3. SEE SHEET SP4 FOR MORE INFORMATION.
4. SEE SHEET BD2 FOR MORE INFORMATION ABOUT ASPHALT CONC. GUTTER AND CROSS SECTIONS.
5. THE FACE OF BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL SHALL BE A MINIMUM OF 10 FT FROM THE ETW (FOG LINE).

I-5, S1 16279, MP 0.07, I, LT

0 20 40
SCALE IN FEET

LEGEND

	BEAM GUARDRAIL TYPE 31		ASPHALT CONC. GUTTER
	EXISTING GUARDRAIL		EXISING CONCRETE BARRIER
	FENCE		PRECAST CONC. BARRIER TYPE SINGLE SLOPE
	RETAINING WALL		EXISTING IMPACT ATTENUATOR
	RUMBLE STRIP		PERMANENT IMPACT ATTENUATOR
HMA HMA	HMA FOR PAVEMENT REPAIR CL ½ IN. PG 58H-22		BRIDGE PIER COLUMN
	CRUSHED SURFACING BASE COURSE		EXISTING LUMINAIRES
	EXISTING SIGNS		PROPOSED LUMINAIRES
	TREES		RAMP METERS
	HEDGES		ELECTRICAL CABINETS
	EXISTING DRAIN INLET		FLEXIBLE GUIDE POST
	DETENTION POND		EXISTING GUIDEPOST
	CEMENT CONC. TRAFFIC CURB		

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PLOTTED BY	SanetoZ			
DESIGNED BY	Z. SANETO			
ENTERED BY	Z. SANETO			
CHECKED BY	N. MENZEL			
PROJ. ENGR.	A. EMERSON			
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22A023		
CONTRACT NO.		LOCATION NO.

JEFFERY A. DAVIES, STATE OF WASHINGTON, 33724, REGISTERED PROFESSIONAL ENGINEER

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DATE
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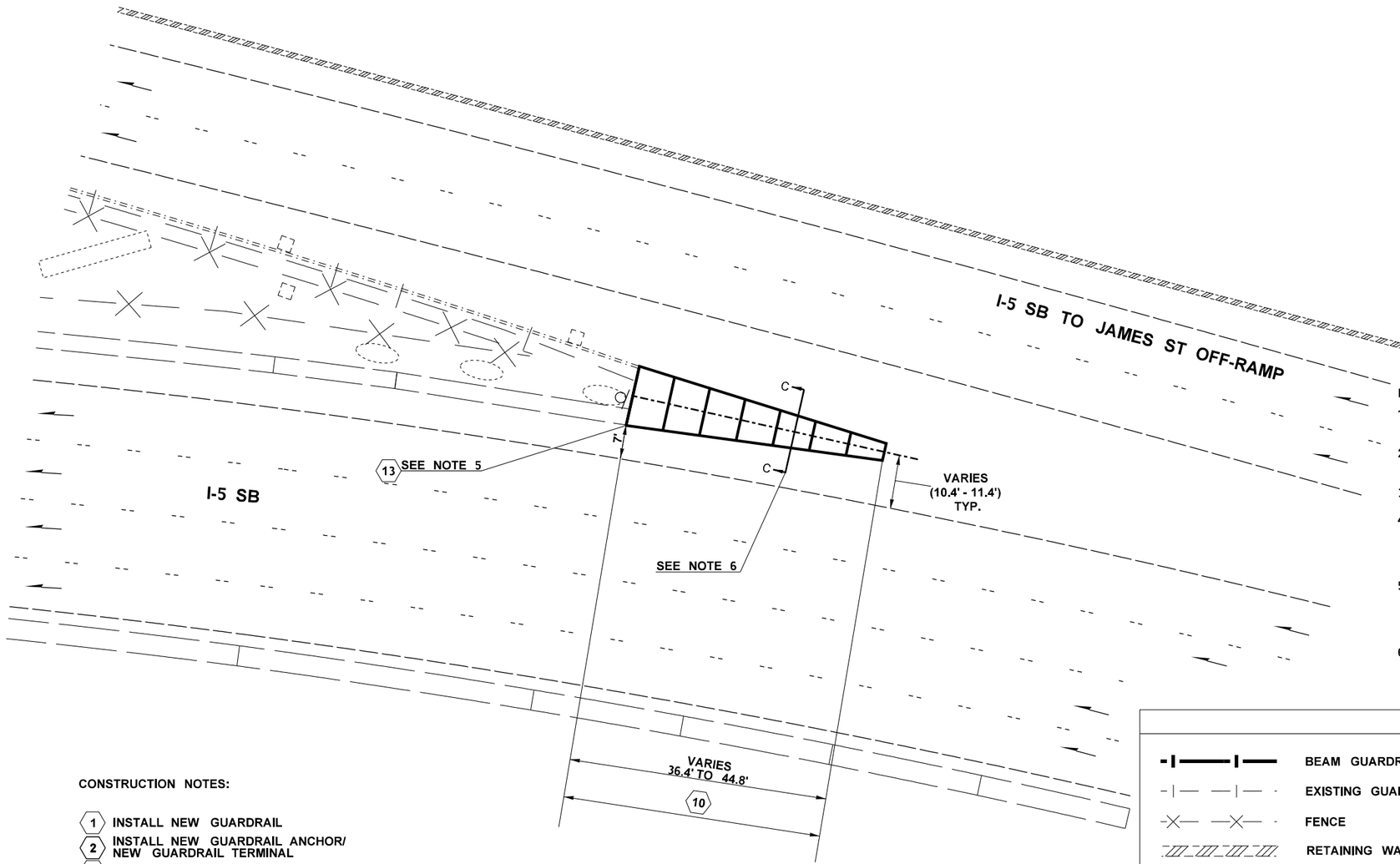
Washington State
Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE
TERMINAL REPLACEMENT 21-23

BARRIER PLAN

PLAN REF NO
BP4

SHEET 37 OF 134 SHEETS



NOTES:

1. PLEASE SEE QUANTITY TABULATION - BARRIER FOR MORE INFORMATION.
2. DIMENSIONS SHOWN ARE FOR INFORMATION ONLY, THE ENGINEER SHALL VERIFY DIMENSIONS PRIOR TO PLACEMENT OF BARRIER.
3. SEE SHEET SP5 AND BD3 FOR MORE INFORMATION.
4. ALLOWABLE PERMANENT IMPACT ATTENUATOR OPTIONS (INCLUDE SIGN NO. W12-5020):
   - SCI100GM with Variable Width Wide Transition (79" to 103" WIDTHS)
   - SCI70GM with Variable Width Wide Transition (79" to 103" WIDTHS)
5. USE MASH TRANSITION, JERSEY/F SHAPE BARRIER PERMANENT SECTION AND FOLLOW MANUFACTURER'S INSTRUCTIONS FOR ATTACHING PERMANENT IMPACT ATTENUATOR TO EXISTING CONC. BARRIER.
6. SEE SHEET BD8 FOR PERMANENT ATTENUATOR EXCAVATION DETAILS.

CONSTRUCTION NOTES:

1. INSTALL NEW GUARDRAIL
2. INSTALL NEW GUARDRAIL ANCHOR/ NEW GUARDRAIL TERMINAL
3. INSTALL NEW GUARDRAIL TRANSITION SECTION
4. RAISE EXISTING GUARDRAIL
5. INSTALL FLEXIBLE GUIDEPOST
6. CRUSHED SURFACING BASE COURSE
7. HMA FOR PAVEMENT REPAIR
8. INSTALL ASPHALT CONC. GUTTER
9. INSTALL CEMENT CONC. TRAFFIC CURB
10. INSTALL NEW IMPACT ATTENAUTOR
11. INSTALL NEW CONC. BARRIER
12. REMOVE AND RESET EXISTING CONC. BARRIER
13. CONTROL POINT AS IMPACT ATTENUATOR CENTERLINE MAY VERY DEPENDING ON IMPACT ATTENUATOR CHOOSEN

I-5, R1 16586, MP 0.17, I , RT

0 20 40
SCALE IN FEET

LEGEND

	BEAM GUARDRAIL TYPE 31		ASPHALT CONC. GUTTER
	EXISTING GUARDRAIL		EXISING CONCRETE BARRIER
	FENCE		PRECAST CONC. BARRIER TYPE SINGLE SLOPE
	RETAINING WALL		EXISTING IMPACT ATTENUATOR
	RUMBLE STRIP		PERMANENT IMPACT ATTENUATOR
HMA HMA	HMA FOR PAVEMENT REPAIR CL ½ IN. PG 58H-22		BRIDGE PIER COLUMN
	CRUSHED SURFACING BASE COURSE		EXISTING LUMINAIRES
	EXISTING SIGNS		PROPOSED LUMINAIRES
	TREES		RAMP METERS
	HEDGES		ELECTRICAL CABINETS
	EXISTING DRAIN INLET		FLEXIBLE GUIDE POST
	DETENTION POND		EXISTING GUIDEPOST
	CEMENT CONC. TRAFFIC CURB		

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PLOTTED BY	SanetoZ
DESIGNED BY	Z. SANETO
ENTERED BY	Z. SANETO
CHECKED BY	N. MENZEL
PROJ. ENGR.	A. EMERSON
REGIONAL ADM.	B. NIELSEN

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO.

JOB NUMBER 22A023

CONTRACT NO. | LOCATION NO.

JEFFERY A. DAVIES, STATE OF WASHINGTON, 53724, REGISTERED PROFESSIONAL ENGINEER

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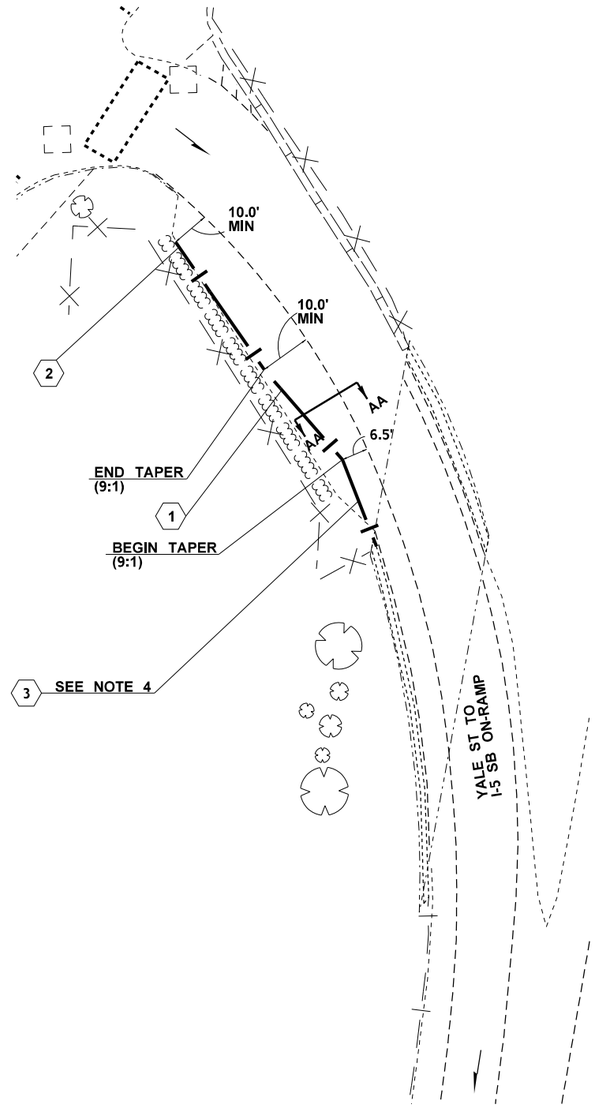
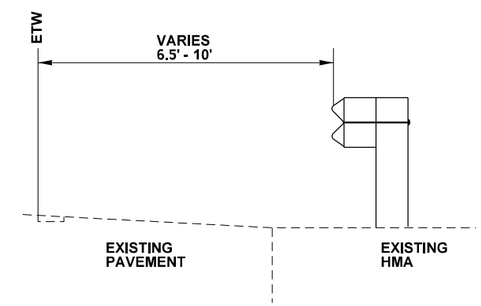
US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

BARRIER PLAN

Plot 5
PLAN REF NO BP5
SHEET 38 OF 134 SHEETS





CROSS SECTION AA

NOTES:

1. SEE SHEET BN1 FOR GENERAL NOTES.
2. CONNECT BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL TO EXISTING GUARDRAIL, SEE STD. PLAN C-25.80.
3. SEE SHEET SP6 FOR MORE INFORMATION.
4. CONNECTION C FOR BEAM GUARDRAIL TRANSITION SECTION TYPE 24 SHALL BE USED, UNLESS OTHERWISE INSTRUCTED BY THE ENGINEER, SEE STD. PLAN C-24.10.
5. THE FACE OF BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL SHALL BE A MINIMUM OF 10 FT FROM THE ETW (FOG LINE).

CONSTRUCTION NOTES:

1. INSTALL NEW GUARDRAIL
2. INSTALL NEW GUARDRAIL ANCHOR/ NEW GUARDRAIL TERMINAL
3. INSTALL NEW GUARDRAIL TRANSITION SECTION
4. RAISE EXISTING GUARDRAIL
5. INSTALL FLEXIBLE GUIDEPOST
6. CRUSHED SURFACING BASE COURSE
7. HMA FOR PAVEMENT REPAIR
8. INSTALL ASPHALT CONC. GUTTER
9. INSTALL CEMENT CONC. TRAFFIC CURB
10. INSTALL NEW IMPACT ATTENAUTOR
11. INSTALL NEW CONC. BARRIER
12. REMOVE AND RESET EXISTING CONC. BARRIER
13. CONTROL POINT AS IMPACT ATTENUATOR CENTERLINE MAY VERY DEPENDING ON IMPACT ATTENUATOR CHOOSEN

I-5, S1 16615, MP 0.01, I, RT

0 20 40
SCALE IN FEET

LEGEND

	BEAM GUARDRAIL TYPE 31		ASPHALT CONC. GUTTER
	EXISTING GUARDRAIL		EXISING CONCRETE BARRIER
	FENCE		PRECAST CONC. BARRIER TYPE SINGLE SLOPE
	RETAINING WALL		EXISTING IMPACT ATTENUATOR
	RUMBLE STRIP		PERMANENT IMPACT ATTENUATOR
HMA HMA	HMA FOR PAVEMENT REPAIR CL ½ IN. PG 58H-22		BRIDGE PIER COLUMN
	CRUSHED SURFACING BASE COURSE		EXISTING LUMINAIRES
	EXISTING SIGNS		PROPOSED LUMINAIRES
	TREES		RAMP METERS
	HEDGES		ELECTRICAL CABINETS
	EXISTING DRAIN INLET		FLEXIBLE GUIDE POST
	DETENTION POND		EXISTING GUIDEPOST
	CEMENT CONC. TRAFFIC CURB		

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DESIGNED BY	Z. SANETO
ENTERED BY	Z. SANETO
CHECKED BY	N. MENZEL
PROJ. ENGR.	A. EMERSON
REGIONAL ADM.	B. NIELSEN

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO.

JOB NUMBER 22A023

CONTRACT NO. | LOCATION NO.

BEFERY A. DAVIES, STATE OF WASHINGTON, 33724, REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
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Washington State Department of Transportation

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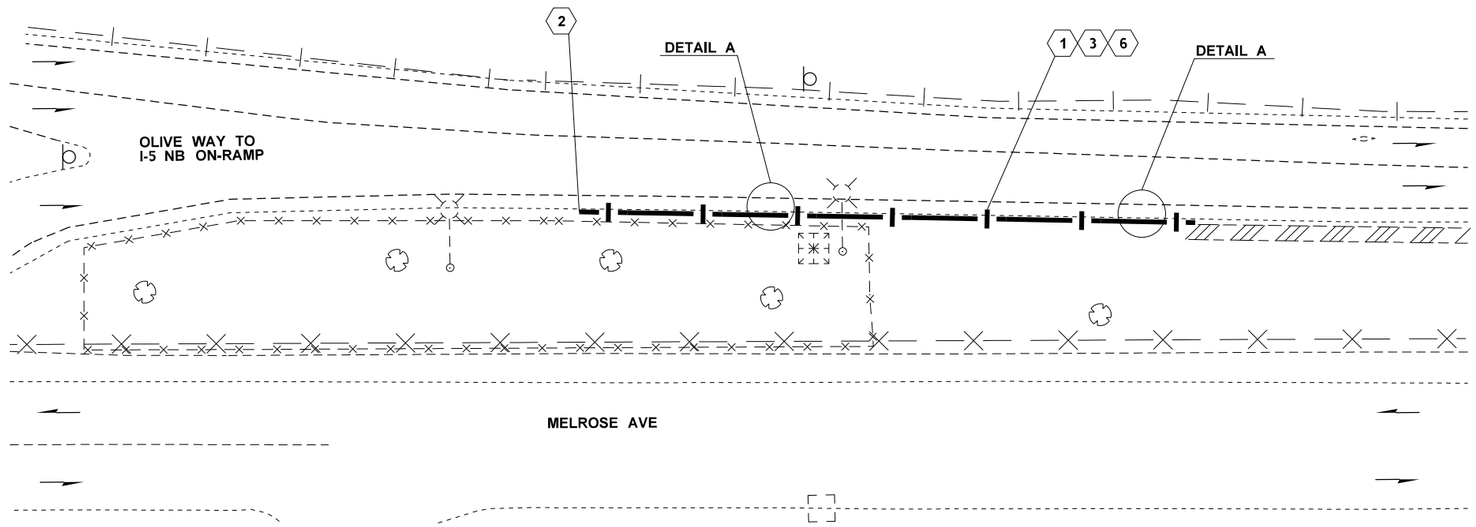
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

BARRIER PLAN

Plot 1
PLAN REF NO BP6
SHEET 39 OF 134 SHEETS

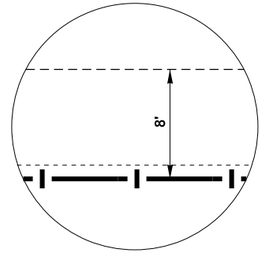


NOTES:

1. SEE SHEET BN1 FOR GENERAL NOTES.
2. SEE SHEET SP7 FOR MORE INFORMATION.
3. SEE SHEET BD1 AND STANDARD PLANS FOR ADDITIONAL GUARDRAIL DETAILS.
4. CONNECTION D FOR BEAM GUARDRAIL TRANSITION SECTION TYPE 21 SHALL BE USED, UNLESS OTHERWISE INSTRUCTED BY THE ENGINEER. SEE STD. PLAN C-24.10.
5. SEE IL1 FOR MORE INFORMATION ON ILLUMINATION AND CONDUITS.

CONSTRUCTION NOTES:

1. INSTALL NEW GUARDRAIL
2. INSTALL NEW GUARDRAIL ANCHOR/ NEW GUARDRAIL TERMINAL
3. INSTALL NEW GUARDRAIL TRANSITION SECTION
4. RAISE EXISTING GUARDRAIL
5. INSTALL FLEXIBLE GUIDEPOST
6. CRUSHED SURFACING BASE COURSE
7. HMA FOR PAVEMENT REPAIR
8. INSTALL ASPHALT CONC. GUTTER
9. INSTALL CEMENT CONC. TRAFFIC CURB
10. INSTALL NEW IMPACT ATTENAUTOR
11. INSTALL NEW CONC. BARRIER
12. REMOVE AND RESET EXISTING CONC. BARRIER
13. CONTROL POINT AS IMPACT ATTENUATOR CENTERLINE MAY VERY DEPENDING ON IMPACT ATTENUATOR CHOOSEN



DETAIL A

I-5, Q1 16662, MP 0.11, I, RT

0 20 40
SCALE IN FEET

LEGEND

	BEAM GUARDRAIL TYPE 31		ASPHALT CONC. GUTTER
	EXISTING GUARDRAIL		EXISING CONCRETE BARRIER
	FENCE		PRECAST CONC. BARRIER TYPE SINGLE SLOPE
	RETAINING WALL		EXISTING IMPACT ATTENUATOR
	RUMBLE STRIP		PERMANENT IMPACT ATTENUATOR
HMA HMA	HMA FOR PAVEMENT REPAIR CL ½ IN. PG 58H-22		BRIDGE PIER COLUMN
	CRUSHED SURFACING BASE COURSE		EXISTING LUMINAIRES
	EXISTING SIGNS		PROPOSED LUMINAIRES
	TREES		RAMP METERS
	HEDGES		ELECTRICAL CABINETS
	EXISTING DRAIN INLET		FLEXIBLE GUIDE POST
	DETENTION POND		EXISTING GUIDEPOST
	CEMENT CONC. TRAFFIC CURB		

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DESIGNED BY	Z. SANETO
ENTERED BY	Z. SANETO
CHECKED BY	N. MENZEL
PROJ. ENGR.	A. EMERSON
REGIONAL ADM.	B. NIELSEN

REVISION | DATE | BY

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10	WASH	
JOB NUMBER 22A023		
CONTRACT NO.		LOCATION NO.

BEFERY A. DAVIES, STATE OF WASHINGTON, 33724, REGISTERED PROFESSIONAL ENGINEER

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DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

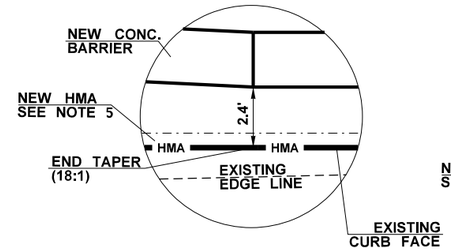
US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

BARRIER PLAN

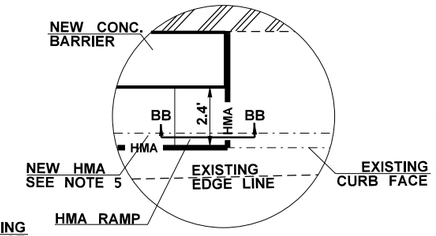
Plot 18
PLAN REF NO BP7
SHEET 40 OF 134 SHEETS

NOTES:

1. PLEASE SEE QUANTITY TABULATION - BARRIER FOR MORE INFORMATION.
2. SEE STANDARD PLAN C-75.20 SINGLE SLOPE CONCRETE BARRIER (PRECAST) VERTICAL BACK FOR MORE INFORMATION.
3. SEE STANDARD PLAN C-75.15 SINGLE SLOPE CONCRETE BARRIER WITH SCUPPERS (PRECAST) FOR MORE INFORMATION.
4. DIMENSIONS SHOWN ARE FOR INFORMATION ONLY, THE ENGINEER SHALL VERIFY DIMENSIONS PRIOR TO PLACEMENT OF BARRIER.
5. SEE SHEET BD4 & BD5 FOR MORE INFORMATION ABOUT THE CROSS SECTIONS.
6. ALLOWABLE PERMANENT IMPACT ATTENUATOR OPTION (INCLUDE SIGN NO. W12-5020):
   - QUADGUARD ELITE M10 WIDE (8-Bay) - 69" WIDTH
   - SCI100GM with Variable Width Wide Transition (79" to 103" WIDTHS)
   - SCI70GM with Variable Width Wide Transition (79" to 103" WIDTHS)
7. SEE STANDARD PLAN M-40.20 GUIDE POST PLACEMENT INTERCHANGE FOR MORE INFORMATION ON BARRIER DELINATORS.
8. SEE SHEET SP8 FOR MORE INFORMATION.
9. BARRIER HEIGHT OF THE PRECAST CONC. BARRIER TYPE SINGLE SLOPE IS 4'.



DETAIL A



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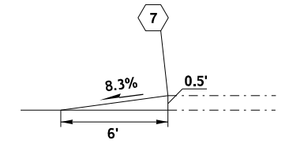
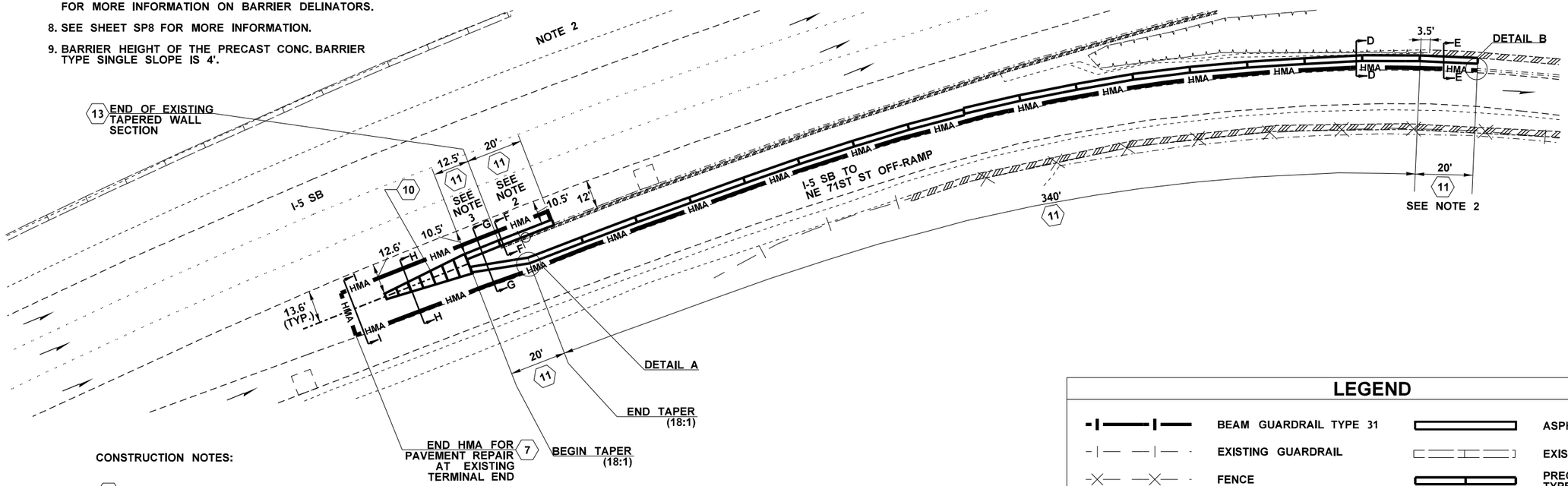


CROSS SECTION BB



CONSTRUCTION NOTES:

1. INSTALL NEW GUARDRAIL
2. INSTALL NEW GUARDRAIL ANCHOR/ NEW GUARDRAIL TERMINAL
3. INSTALL NEW GUARDRAIL TRANSITION SECTION
4. RAISE EXISTING GUARDRAIL
5. INSTALL FLEXIBLE GUIDEPOST
6. CRUSHED SURFACING BASE COURSE
7. HMA FOR PAVEMENT REPAIR
8. INSTALL ASPHALT CONC. GUTTER
9. INSTALL CEMENT CONC. TRAFFIC CURB
10. INSTALL NEW IMPACT ATTENAUTOR
11. INSTALL NEW CONC. BARRIER
12. REMOVE AND RESET EXISTING CONC. BARRIER
13. CONTROL POINT AS IMPACT ATTENUATOR CENTERLINE MAY VERY DEPENDING ON IMPACT ATTENUATOR CHOOSEN

I-5, R1 17091, MP 0.15, I, LT

0 20 40
SCALE IN FEET

LEGEND

	BEAM GUARDRAIL TYPE 31		ASPHALT CONC. GUTTER
	EXISTING GUARDRAIL		EXISING CONCRETE BARRIER
	FENCE		PRECAST CONC. BARRIER TYPE SINGLE SLOPE
	RETAINING WALL		EXISTING IMPACT ATTENUATOR
	RUMBLE STRIP		PERMANENT IMPACT ATTENUATOR
HMA HMA	HMA FOR PAVEMENT REPAIR CL ½ IN. PG 58H-22		BRIDGE PIER COLUMN
	CRUSHED SURFACING BASE COURSE		EXISTING LUMINAIRES
	EXISTING SIGNS		PROPOSED LUMINAIRES
	TREES		RAMP METERS
	HEDGES		ELECTRICAL CABINETS
	EXISTING DRAIN INLET		FLEXIBLE GUIDE POST
	DETENTION POND		EXISTING GUIDEPOST
	CEMENT CONC. TRAFFIC CURB		

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\06_XL6411_PS_BGP1.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	8:25:17 AM				JOB NUMBER 22A023		
DATE	6/29/2023				CONTRACT NO.		LOCATION NO.
PLOTTED BY	SanetoZ						
DESIGNED BY	Z. SANETO						
ENTERED BY	Z. SANETO						
CHECKED BY	N. MENZEL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

JEFFERY A. DAVIES, STATE OF WASHINGTON, 53724, REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1
DATE
P.E. STAMP BOX

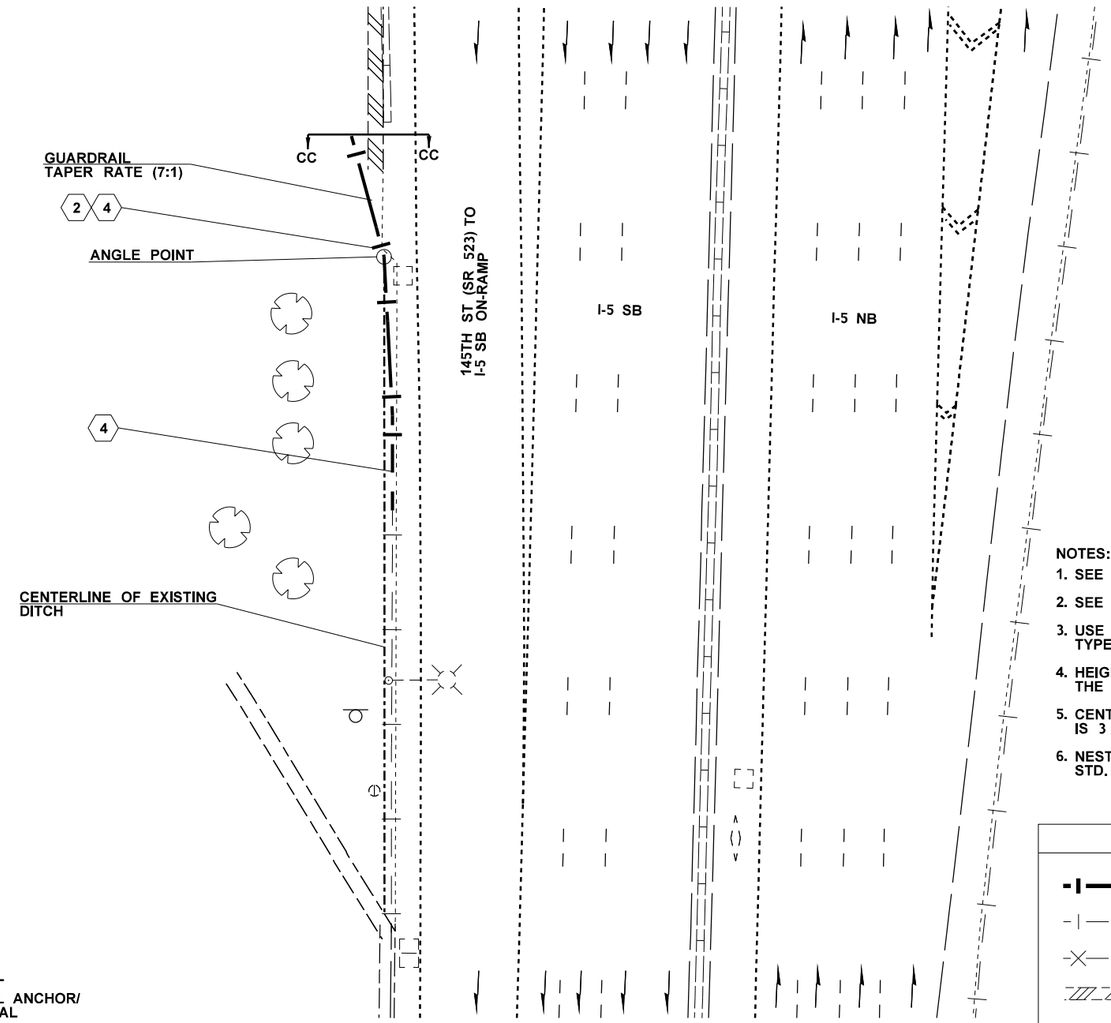
DATE
P.E. STAMP BOX

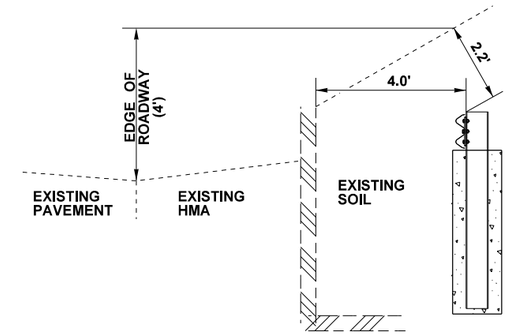
Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

BARRIER PLAN

Plot 13
PLAN REF NO BP8
SHEET 41 OF 134 SHEETS





CROSS SECTION CC

NOTES:

1. SEE SHEET BN1 FOR GENERAL NOTES.
2. SEE SHEET SP9 FOR MORE INFORMATION.
3. USE 8 FT POSTS FOR INSTALLATION OF BEAM GUARDRAIL TYPE 31.
4. HEIGHT FROM EDGE OF PAVEMENT TO TOP OF W-BEAM AT THE ANCHOR IS 1.84 FT.
5. CENTERLINE OF EXISTING DITCH TO EDGE OF PAVEMENT IS 3 FT.
6. NEST THE BEAM GUARDRAIL TYPE 31 ACROSS THE CATCH BASIN. SEE STD. PLAN C20.40.

CONSTRUCTION NOTES:

1. INSTALL NEW GUARDRAIL
2. INSTALL NEW GUARDRAIL ANCHOR/ NEW GUARDRAIL TERMINAL
3. INSTALL NEW GUARDRAIL TRANSITION SECTION
4. RAISE EXISTING GUARDRAIL
5. INSTALL FLEXIBLE GUIDEPOST
6. CRUSHED SURFACING BASE COURSE
7. HMA FOR PAVEMENT REPAIR
8. INSTALL ASPHALT CONC. GUTTER
9. INSTALL CEMENT CONC. TRAFFIC CURB
10. INSTALL NEW IMPACT ATTENAUTOR
11. INSTALL NEW CONC. BARRIER
12. REMOVE AND RESET EXISTING CONC. BARRIER
13. CONTROL POINT AS IMPACT ATTENUATOR CENTERLINE MAY VERY DEPENDING ON IMPACT ATTENUATOR CHOOSEN

I-5, S1 17414, MP 0.28, I, RT

0 20 40
SCALE IN FEET

LEGEND

	BEAM GUARDRAIL TYPE 31		ASPHALT CONC. GUTTER
	EXISTING GUARDRAIL		EXISING CONCRETE BARRIER
	FENCE		PRECAST CONC. BARRIER TYPE SINGLE SLOPE
	RETAINING WALL		EXISTING IMPACT ATTENUATOR
	RUMBLE STRIP		PERMANENT IMPACT ATTENUATOR
HMA HMA	HMA FOR PAVEMENT REPAIR CL ½ IN. PG 58H-22		BRIDGE PIER COLUMN
	CRUSHED SURFACING BASE COURSE		EXISTING LUMINAIRES
	EXISTING SIGNS		PROPOSED LUMINAIRES
	TREES		RAMP METERS
	HEDGES		ELECTRICAL CABINETS
	EXISTING DRAIN INLET		FLEXIBLE GUIDE POST
	DETENTION POND		EXISTING GUIDEPOST
	CEMENT CONC. TRAFFIC CURB		

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TIME	8:25:16 AM
DATE	6/29/2023
PLOTTED BY	SanetoZ
DESIGNED BY	Z. SANETO
ENTERED BY	Z. SANETO
CHECKED BY	N. MENZEL
PROJ. ENGR.	A. EMERSON
REGIONAL ADM.	B. NIELSEN

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22A023		
CONTRACT NO.		LOCATION NO.

GREGORY A. DAVIES, STATE OF WASHINGTON, 33724, REGISTERED PROFESSIONAL ENGINEER

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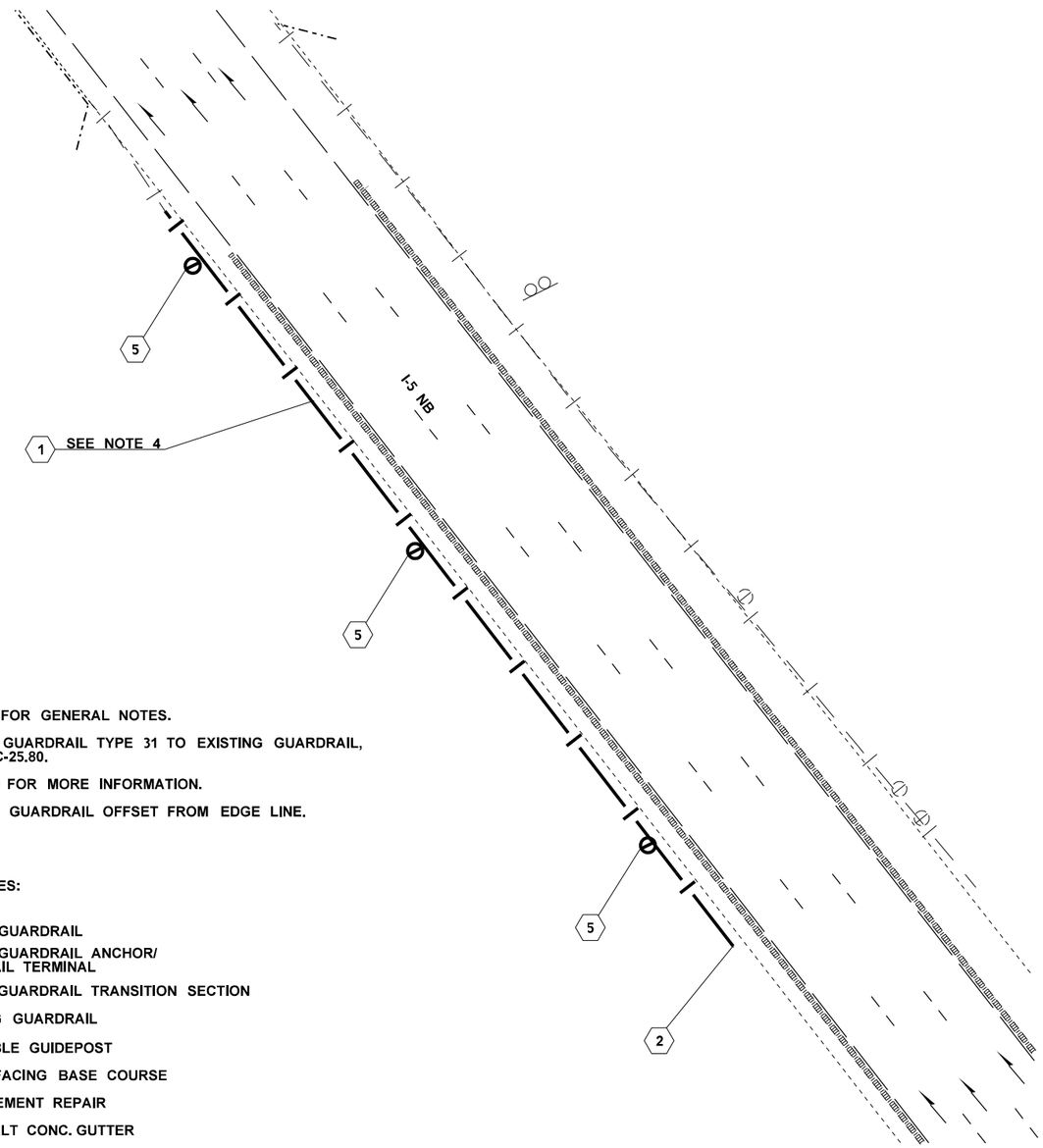
US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

BARRIER PLAN

Plot 14
PLAN REF NO BP9
SHEET 42 OF 134 SHEETS



NOTES:

1. SEE SHEET BN1 FOR GENERAL NOTES.
2. CONNECT BEAM GUARDRAIL TYPE 31 TO EXISTING GUARDRAIL, SEE STD. PLAN C-25.80.
3. SEE SHEET SP10 FOR MORE INFORMATION.
4. MATCH EXISTING GUARDRAIL OFFSET FROM EDGE LINE.

CONSTRUCTION NOTES:

1. INSTALL NEW GUARDRAIL
2. INSTALL NEW GUARDRAIL ANCHOR/ NEW GUARDRAIL TERMINAL
3. INSTALL NEW GUARDRAIL TRANSITION SECTION
4. RAISE EXISTING GUARDRAIL
5. INSTALL FLEXIBLE GUIDEPOST
6. CRUSHED SURFACING BASE COURSE
7. HMA FOR PAVEMENT REPAIR
8. INSTALL ASPHALT CONC. GUTTER
9. INSTALL CEMENT CONC. TRAFFIC CURB
10. INSTALL NEW IMPACT ATTENAUTOR
11. INSTALL NEW CONC. BARRIER
12. REMOVE AND RESET EXISTING CONC. BARRIER
13. CONTROL POINT AS IMPACT ATTENUATOR CENTERLINE MAY VERY DEPENDING ON IMPACT ATTENUATOR CHOOSEN

I-5, MP 215.00, I, LT

0 20 40
SCALE IN FEET

LEGEND

	BEAM GUARDRAIL TYPE 31		ASPHALT CONC. GUTTER
	EXISTING GUARDRAIL		EXISING CONCRETE BARRIER
	FENCE		PRECAST CONC. BARRIER TYPE SINGLE SLOPE
	RETAINING WALL		EXISTING IMPACT ATTENUATOR
	RUMBLE STRIP		PERMANENT IMPACT ATTENUATOR
HMA HMA	HMA FOR PAVEMENT REPAIR CL ½ IN. PG 58H-22		BRIDGE PIER COLUMN
	CRUSHED SURFACING BASE COURSE		EXISTING LUMINAIRES
	EXISTING SIGNS		PROPOSED LUMINAIRES
	TREES		RAMP METERS
	HEDGES		ELECTRICAL CABINETS
	EXISTING DRAIN INLET		FLEXIBLE GUIDE POST
	DETENTION POND		EXISTING GUIDEPOST
	CEMENT CONC. TRAFFIC CURB		

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\06_XL6411_PS_BGP1.dgn			
TIME	8:25:16 AM			
DATE	6/29/2023			
PLOTTED BY	SanetoZ			
DESIGNED BY	Z. SANETO			
ENTERED BY	Z. SANETO			
CHECKED BY	N. MENZEL			
PROJ. ENGR.	A. EMERSON			
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22A023		
CONTRACT NO.		LOCATION NO.

JEFFERY A. DAVIES, STATE OF WASHINGTON, 33724, REGISTERED PROFESSIONAL ENGINEER

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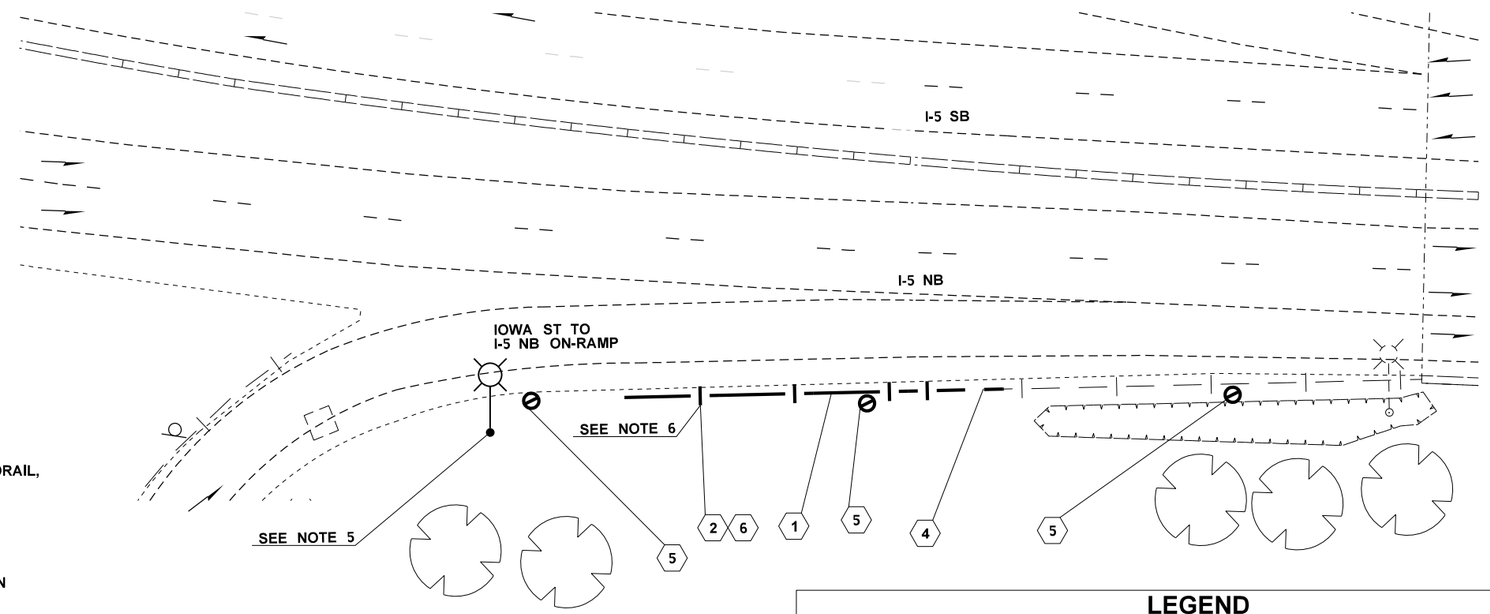
US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

BARRIER PLAN

Plot 29
PLAN REF NO BP10
SHEET 43 OF 134 SHEETS



NOTES:

1. SEE SHEET BN1 FOR GENERAL NOTES.
2. CONNECT BEAM GUARDRAIL TYPE 31 TO EXISTING GUARDRAIL, SEE STD. PLAN C-25.80.
3. SEE SHEET SP11 FOR MORE INFORMATION.
4. SEE SHEET BD1 AND STANDARD PLANS FOR ADDITIONAL GUARDRAIL DETAILS.
5. SEE SHEET IL3 FOR MORE INFORMATION ON INSTALLATION OF NEW LUMINAIRE AND CONDUITS.
6. MATCH EXISTING GUARDRAIL OFFSET FROM EDGE LINE.

CONSTRUCTION NOTES:

1. INSTALL NEW GUARDRAIL
2. INSTALL NEW GUARDRAIL ANCHOR/ NEW GUARDRAIL TERMINAL
3. INSTALL NEW GUARDRAIL TRANSITION SECTION
4. RAISE EXISTING GUARDRAIL
5. INSTALL FLEXIBLE GUIDEPOST
6. CRUSHED SURFACING BASE COURSE
7. HMA FOR PAVEMENT REPAIR
8. INSTALL ASPHALT CONC. GUTTER
9. INSTALL CEMENT CONC. TRAFFIC CURB
10. INSTALL NEW IMPACT ATTENAUTOR
11. INSTALL NEW CONC. BARRIER
12. REMOVE AND RESET EXISTING CONC. BARRIER
13. CONTROL POINT AS IMPACT ATTENUATOR CENTERLINE MAY VERY DEPENDING ON IMPACT ATTENUATOR CHOOSEN

I-5, Q5 25410, MP 0.10, I, RT

0 20 40
SCALE IN FEET

LEGEND

	BEAM GUARDRAIL TYPE 31		ASPHALT CONC. GUTTER
	EXISTING GUARDRAIL		EXISING CONCRETE BARRIER
	FENCE		PRECAST CONC. BARRIER TYPE SINGLE SLOPE
	RETAINING WALL		EXISTING IMPACT ATTENUATOR
	RUMBLE STRIP		PERMANENT IMPACT ATTENUATOR
HMA HMA	HMA FOR PAVEMENT REPAIR CL ½ IN. PG 58H-22		BRIDGE PIER COLUMN
	CRUSHED SURFACING BASE COURSE		EXISTING LUMINAIRES
	EXISTING SIGNS		PROPOSED LUMINAIRES
	TREES		RAMP METERS
	HEDGES		ELECTRICAL CABINETS
	EXISTING DRAIN INLET		FLEXIBLE GUIDE POST
	DETENTION POND		EXISTING GUIDEPOST
	CEMENT CONC. TRAFFIC CURB		

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TIME	8:25:16 AM
DATE	6/29/2023
PLOTTED BY	SanetoZ
DESIGNED BY	Z. SANETO
ENTERED BY	Z. SANETO
CHECKED BY	N. MENZEL
PROJ. ENGR.	A. EMERSON
REGIONAL ADM.	B. NIELSEN

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22A023		
CONTRACT NO.		LOCATION NO.

JEFFERY A. DAVIES, STATE OF WASHINGTON, 53724, REGISTERED PROFESSIONAL ENGINEER

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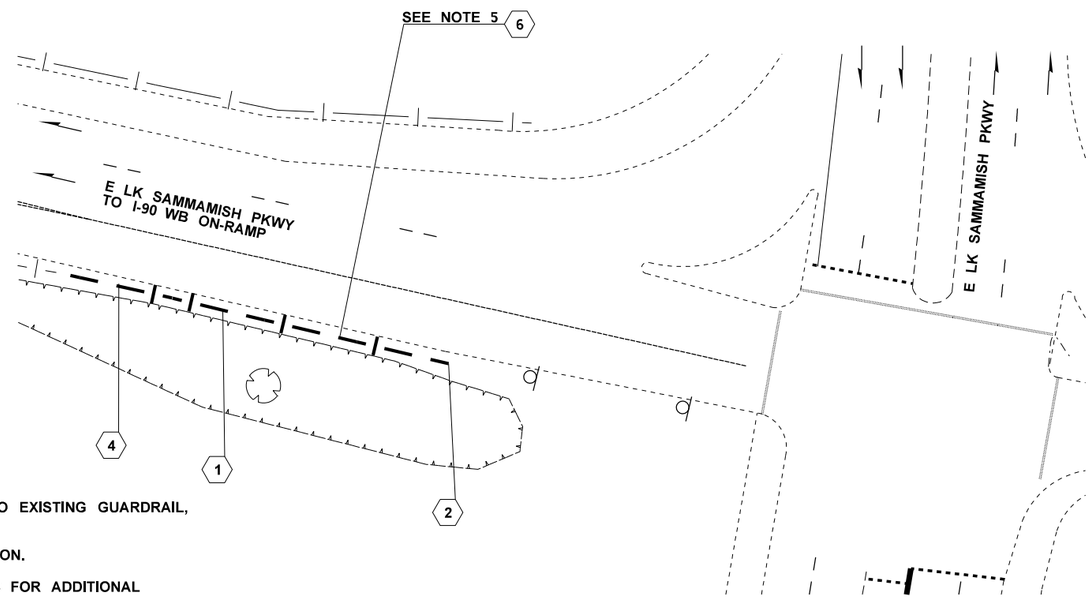
US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

BARRIER PLAN

Plot 28
PLAN REF NO BP11
SHEET 44 OF 134 SHEETS



NOTES:

1. SEE SHEET BN1 FOR GENERAL NOTES.
2. CONNECT BEAM GUARDRAIL TYPE 31 TO EXISTING GUARDRAIL, SEE STD. PLAN C-25.80.
3. SEE SHEET SP13 FOR MORE INFORMATION.
4. SEE SHEET BD1 AND STANDARD PLANS FOR ADDITIONAL GUARDRAIL DETAILS.
5. MATCH EXISTING GUARDRAIL OFFSET FROM EDGE LINE.
6. SEE IL4 FOR MORE INFORMATION ON ILLUMINATION AND CONDUITS.

CONSTRUCTION NOTES:

1. INSTALL NEW GUARDRAIL
2. INSTALL NEW GUARDRAIL ANCHOR/ NEW GUARDRAIL TERMINAL
3. INSTALL NEW GUARDRAIL TRANSITION SECTION
4. RAISE EXISTING GUARDRAIL
5. INSTALL FLEXIBLE GUIDEPOST
6. CRUSHED SURFACING BASE COURSE
7. HMA FOR PAVEMENT REPAIR
8. INSTALL ASPHALT CONC. GUTTER
9. INSTALL CEMENT CONC. TRAFFIC CURB
10. INSTALL NEW IMPACT ATTENAUTOR
11. INSTALL NEW CONC. BARRIER
12. REMOVE AND RESET EXISTING CONC. BARRIER
13. CONTROL POINT AS IMPACT ATTENUATOR CENTERLINE MAY VERY DEPENDING ON IMPACT ATTENUATOR CHOOSEN

I-90, S1 01654, MP 0.02, I, LT

0 20 40
SCALE IN FEET

LEGEND

BEAM GUARDRAIL TYPE 31	ASPHALT CONC. GUTTER
EXISTING GUARDRAIL	EXISING CONCRETE BARRIER
FENCE	PRECAST CONC. BARRIER TYPE SINGLE SLOPE
RETAINING WALL	EXISTING IMPACT ATTENUATOR
RUMBLE STRIP	PERMANENT IMPACT ATTENUATOR
HMA FOR PAVEMENT REPAIR CL ½ IN. PG 58H-22	BRIDGE PIER COLUMN
CRUSHED SURFACING BASE COURSE	EXISTING LUMINAIRES
EXISTING SIGNS	PROPOSED LUMINAIRES
TREES	RAMP METERS
HEDGES	ELECTRICAL CABINETS
EXISTING DRAIN INLET	FLEXIBLE GUIDE POST
DETENTION POND	EXISTING GUIDEPOST
CEMENT CONC. TRAFFIC CURB	

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DATE	6/29/2023
PLOTTED BY	SanetoZ
DESIGNED BY	Z. SANETO
ENTERED BY	Z. SANETO
CHECKED BY	N. MENZEL
PROJ. ENGR.	A. EMERSON
REGIONAL ADM.	B. NIELSEN

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22A023		
CONTRACT NO.		LOCATION NO.

JEFFERY A. DAVIES, STATE OF WASHINGTON, 53724, REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
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DATE
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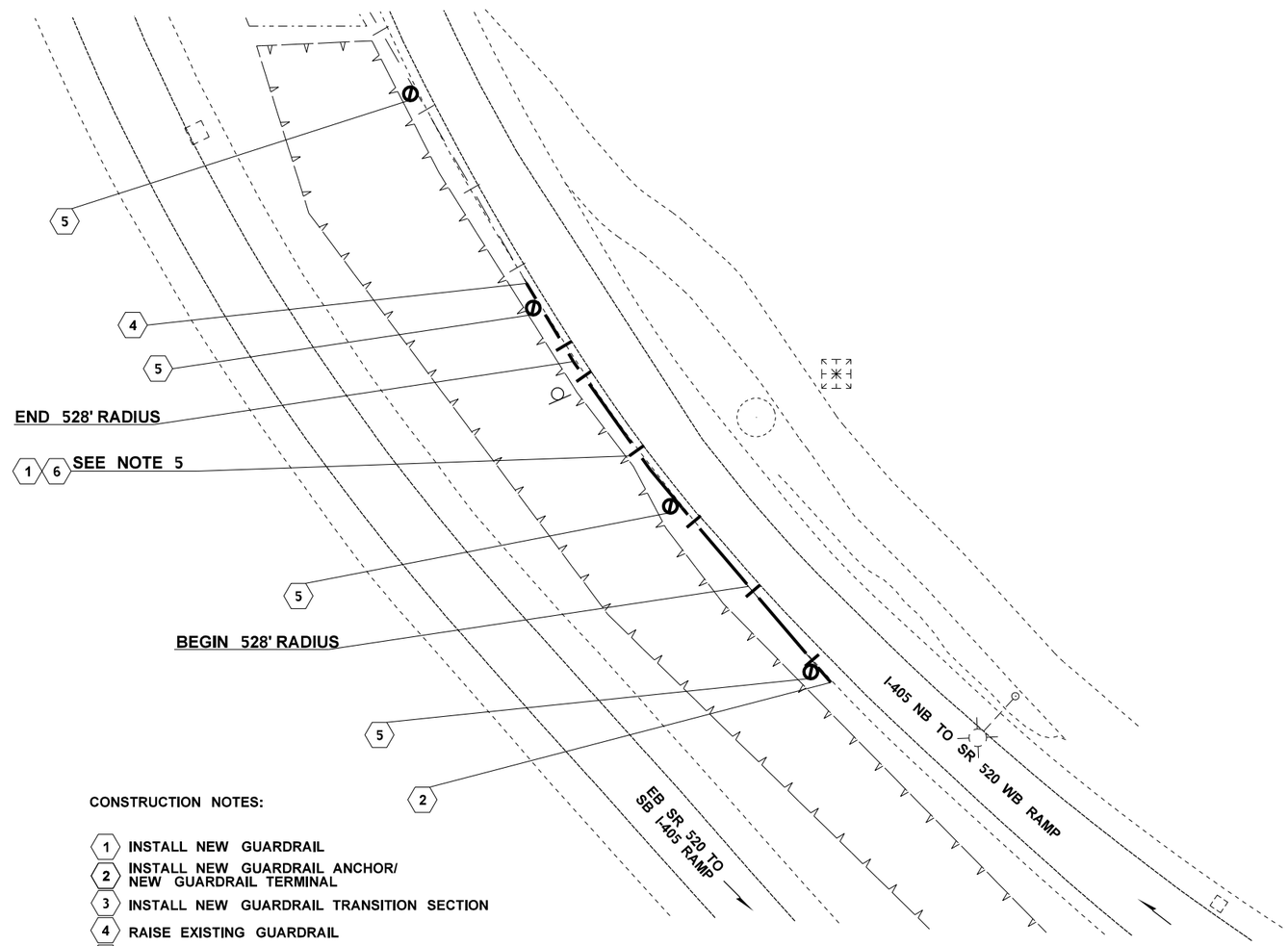
Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

BARRIER PLAN

Plot 4
PLAN REF NO BP12
SHEET 45 OF 134 SHEETS



NOTES:

1. SEE SHEET BN1 FOR GENERAL NOTES.
2. CONNECT BEAM GUARDRAIL TYPE 31 TO EXISTING GUARDRAIL, SEE STD. PLAN C-25.80.
3. SEE SHEET SP14 FOR MORE INFORMATION.
4. SEE SHEET BD1 AND STANDARD PLANS FOR ADDITIONAL GUARDRAIL DETAILS.
5. MATCH EXISTING GUARDRAIL OFFSET FROM EDGE LINE.
6. SEE IL6 & IL7 FOR MORE INFORMATION ON ILLUMINATION AND CONDUITS.

CONSTRUCTION NOTES:

1. INSTALL NEW GUARDRAIL
2. INSTALL NEW GUARDRAIL ANCHOR/ NEW GUARDRAIL TERMINAL
3. INSTALL NEW GUARDRAIL TRANSITION SECTION
4. RAISE EXISTING GUARDRAIL
5. INSTALL FLEXIBLE GUIDEPOST
6. CRUSHED SURFACING BASE COURSE
7. HMA FOR PAVEMENT REPAIR
8. INSTALL ASPHALT CONC. GUTTER
9. INSTALL CEMENT CONC. TRAFFIC CURB
10. INSTALL NEW IMPACT ATTENAUTOR
11. INSTALL NEW CONC. BARRIER
12. REMOVE AND RESET EXISTING CONC. BARRIER
13. CONTROL POINT AS IMPACT ATTENUATOR CENTERLINE MAY VERY DEPENDING ON IMPACT ATTENUATOR CHOOSEN

I-405, P3 01406, MP 0.27, I, RT

0 20 40
SCALE IN FEET

LEGEND

	BEAM GUARDRAIL TYPE 31		ASPHALT CONC. GUTTER
	EXISTING GUARDRAIL		EXISING CONCRETE BARRIER
	FENCE		PRECAST CONC. BARRIER TYPE SINGLE SLOPE
	RETAINING WALL		EXISTING IMPACT ATTENUATOR
	RUMBLE STRIP		PERMANENT IMPACT ATTENUATOR
HMA HMA	HMA FOR PAVEMENT REPAIR CL ½ IN. PG 58H-22		BRIDGE PIER COLUMN
	CRUSHED SURFACING BASE COURSE		EXISTING LUMINAIRES
	EXISTING SIGNS		PROPOSED LUMINAIRES
	TREES		RAMP METERS
	HEDGES		ELECTRICAL CABINETS
	EXISTING DRAIN INLET		FLEXIBLE GUIDE POST
	DETENTION POND		EXISTING GUIDEPOST
	CEMENT CONC. TRAFFIC CURB		

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DESIGNED BY	Z. SANETO
ENTERED BY	Z. SANETO
CHECKED BY	N. MENZEL
PROJ. ENGR.	A. EMERSON
REGIONAL ADM.	B. NIELSEN

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22A023		
CONTRACT NO.		LOCATION NO.

JEFFERY A. DAVIES, STATE OF WASHINGTON, 53724, REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1
DATE
P.E. STAMP BOX

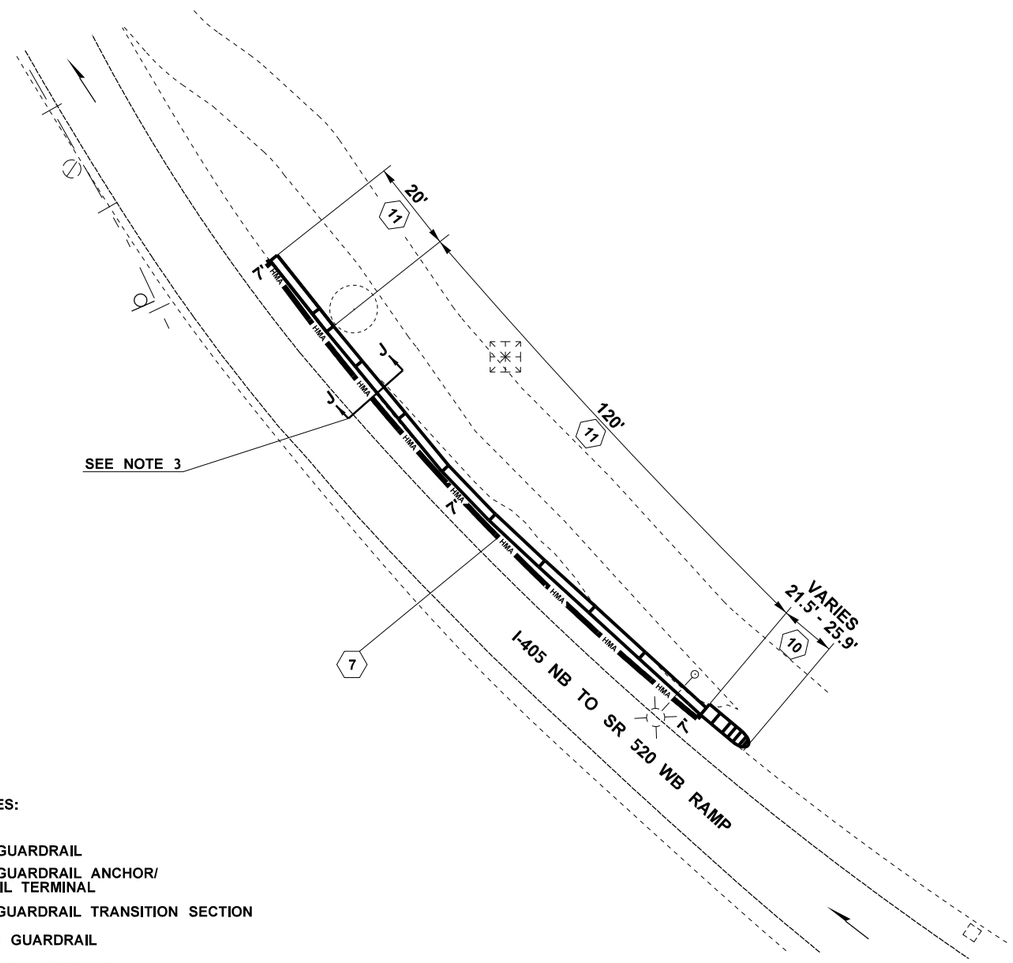
DATE
P.E. STAMP BOX

Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE
TERMINAL REPLACEMENT 21-23

BARRIER PLAN

Plot 6
PLAN REF NO
BP13
SHEET 46 OF 134 SHEETS



NOTES:

1. PLEASE SEE QUANTITY TABULATION - BARRIER FOR MORE INFORMATION.
2. DIMENSIONS SHOWN ARE FOR INFORMATION ONLY, THE ENGINEER SHALL VERIFY DIMENSIONS PRIOR TO PLACEMENT OF PRECAST CONC. BARRIER TYPE SINGLE SLOPE.
3. SEE BD6 FOR MORE INFORMATION ON CROSS SECTIONS
4. SEE BD8 FOR ATTENAUTOR EXCAVATION DETAILS.
5. SEE SHEET SP14 FOR MORE INFORMATION.
6. BARRIER HEIGHT OF THE PRECAST CONC. BARRIER TYPE SINGLE SLOPE IS 3' 6".
7. SEE IL6 & IL7 FOR MORE INFORMATION ON ILLUMINATION AND CONDUITS.

CONSTRUCTION NOTES:

1. INSTALL NEW GUARDRAIL
2. INSTALL NEW GUARDRAIL ANCHOR/ NEW GUARDRAIL TERMINAL
3. INSTALL NEW GUARDRAIL TRANSITION SECTION
4. RAISE EXISTING GUARDRAIL
5. INSTALL FLEXIBLE GUIDEPOST
6. CRUSHED SURFACING BASE COURSE
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10. INSTALL NEW IMPACT ATTENAUTOR
11. INSTALL NEW CONC. BARRIER
12. REMOVE AND RESET EXISTING CONC. BARRIER
13. CONTROL POINT AS IMPACT ATTENUATOR CENTERLINE MAY VERY DEPENDING ON IMPACT ATTENUATOR CHOOSEN

I-405, P3 01406, MP 0.28, I , RT

0 20 40
SCALE IN FEET

LEGEND

	BEAM GUARDRAIL TYPE 31		ASPHALT CONC. GUTTER
	EXISTING GUARDRAIL		EXISING CONCRETE BARRIER
	FENCE		PRECAST CONC. BARRIER TYPE SINGLE SLOPE
	RETAINING WALL		EXISTING IMPACT ATTENUATOR
	RUMBLE STRIP		PERMANENT IMPACT ATTENUATOR
HMA HMA	HMA FOR PAVEMENT REPAIR CL ½ IN. PG 58H-22		BRIDGE PIER COLUMN
	CRUSHED SURFACING BASE COURSE		EXISTING LUMINAIRES
	EXISTING SIGNS		PROPOSED LUMINAIRES
	TREES		RAMP METERS
	HEDGES		ELECTRICAL CABINETS
	EXISTING DRAIN INLET		FLEXIBLE GUIDE POST
	DETENTION POND		EXISTING GUIDEPOST
	CEMENT CONC. TRAFFIC CURB		

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DESIGNED BY	Z. SANETO			
ENTERED BY	Z. SANETO			
CHECKED BY	N. MENZEL			
PROJ. ENGR.	A. EMERSON			
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22A023		
CONTRACT NO.		LOCATION NO.

JEFFERY A. DAVIES, STATE OF WASHINGTON, 53724, REGISTERED PROFESSIONAL ENGINEER

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DATE
P.E. STAMP BOX

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P.E. STAMP BOX

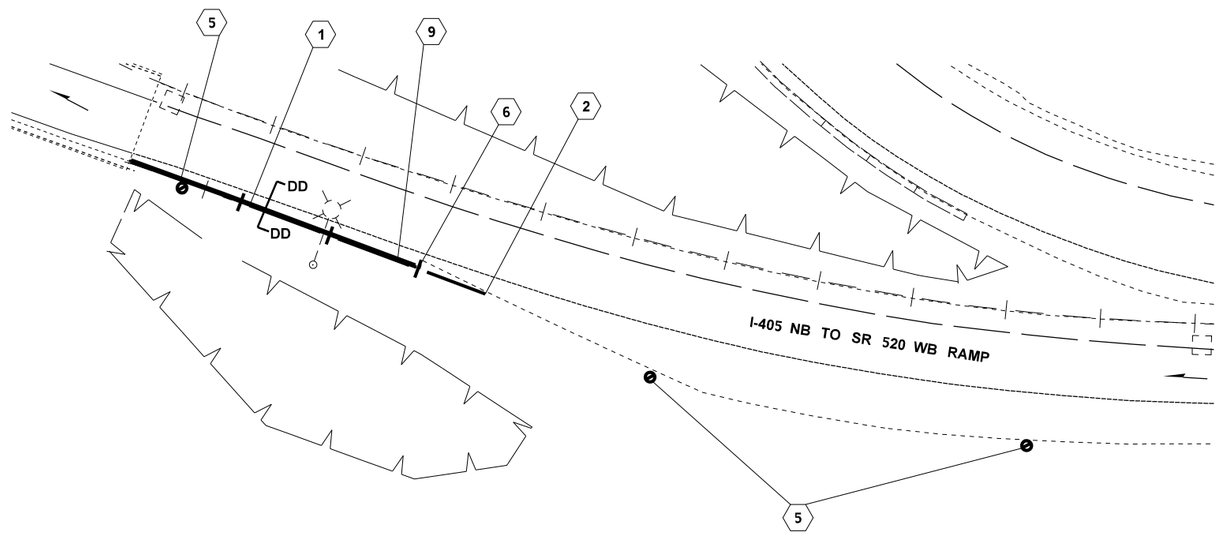
Washington State Department of Transportation

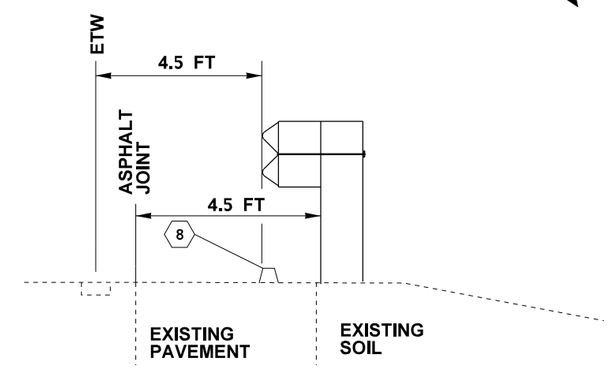
US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

BARRIER PLAN

PLAN REF NO BP14

SHEET 47 OF 134 SHEETS





CROSS SECTION DD

NOTES:
1. SEE SHEET BN1 FOR GENERAL NOTES.
2. SEE SHEET SP15 FOR MORE INFORMATION.
3. SEE SHEET BD1 AND STANDARD PLANS FOR ADDITIONAL GUARDRAIL DETAILS.
4. SEE IL8 FOR MORE INFORMATION ON ILLUMINATION AND CONDUITS.

CONSTRUCTION NOTES:

1. INSTALL NEW GUARDRAIL
2. INSTALL NEW GUARDRAIL ANCHOR/ NEW GUARDRAIL TERMINAL
3. INSTALL NEW GUARDRAIL TRANSITION SECTION
4. RAISE EXISTING GUARDRAIL
5. INSTALL FLEXIBLE GUIDEPOST
6. CRUSHED SURFACING BASE COURSE
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10. INSTALL NEW IMPACT ATTENAUTOR
11. INSTALL NEW CONC. BARRIER
12. REMOVE AND RESET EXISTING CONC. BARRIER
13. CONTROL POINT AS IMPACT ATTENUATOR CENTERLINE MAY VERY DEPENDING ON IMPACT ATTENUATOR CHOOSEN

I-405, P3 01406, MP 0.40, I, LT

0 20 40
SCALE IN FEET

LEGEND

	BEAM GUARDRAIL TYPE 31		ASPHALT CONC. GUTTER
	EXISTING GUARDRAIL		EXISING CONCRETE BARRIER
	FENCE		PRECAST CONC. BARRIER TYPE SINGLE SLOPE
	RETAINING WALL		EXISTING IMPACT ATTENUATOR
	RUMBLE STRIP		PERMANENT IMPACT ATTENUATOR
HMA HMA	HMA FOR PAVEMENT REPAIR CL ½ IN. PG 58H-22		BRIDGE PIER COLUMN
	CRUSHED SURFACING BASE COURSE		EXISTING LUMINAIRES
	EXISTING SIGNS		PROPOSED LUMINAIRES
	TREES		RAMP METERS
	HEDGES		ELECTRICAL CABINETS
	EXISTING DRAIN INLET		FLEXIBLE GUIDE POST
	DETENTION POND		EXISTING GUIDEPOST
	CEMENT CONC. TRAFFIC CURB		

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\06_XL6411_PS_BGP2.dgn
TIME	8:25:20 AM
DATE	6/29/2023
PLOTTED BY	SanetoZ
DESIGNED BY	Z. SANETO
ENTERED BY	Z. SANETO
CHECKED BY	N. MENZEL
PROJ. ENGR.	A. EMERSON
REGIONAL ADM.	B. NIELSEN

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	-
JOB NUMBER 22A023		
CONTRACT NO.		LOCATION NO.

JEFFERY A. DAVIES, STATE OF WASHINGTON, 33724, REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
P.E. STAMP BOX

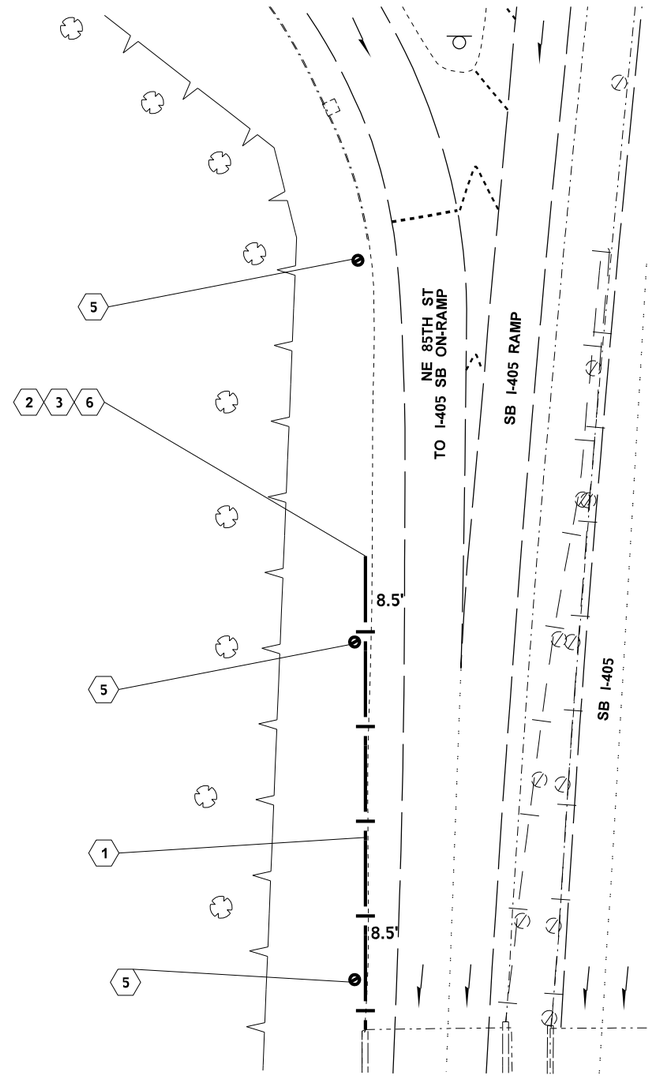
DATE
P.E. STAMP BOX

Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

BARRIER PLAN

Plot 9
PLAN REF NO BP15
SHEET 48 OF 134 SHEETS



NOTES:

1. SEE SHEET BN1 FOR GENERAL NOTES.
2. SEE SHEET SP16 FOR MORE INFORMATION.
3. SEE SHEET BD1 AND STANDARD PLANS FOR ADDITIONAL GUARDRAIL DETAILS.
4. CONNECTION B FOR BEAM GUARDRAIL TRANSITION SECTION TYPE 21 SHALL BE USED, UNLESS OTHERWISE INSTRUCTED BY THE ENGINEER. SEE STD. PLAN C-24.10.

CONSTRUCTION NOTES:

1. INSTALL NEW GUARDRAIL
2. INSTALL NEW GUARDRAIL ANCHOR/ NEW GUARDRAIL TERMINAL
3. INSTALL NEW GUARDRAIL TRANSITION SECTION
4. RAISE EXISTING GUARDRAIL
5. INSTALL FLEXIBLE GUIDEPOST
6. CRUSHED SURFACING BASE COURSE
7. HMA FOR PAVEMENT REPAIR
8. INSTALL ASPHALT CONC. GUTTER
9. INSTALL CEMENT CONC. TRAFFIC CURB
10. INSTALL NEW IMPACT ATTENAUTOR
11. INSTALL NEW CONC. BARRIER
12. REMOVE AND RESET EXISTING CONC. BARRIER
13. CONTROL POINT AS IMPACT ATTENUATOR CENTERLINE MAY VERY DEPENDING ON IMPACT ATTENUATOR CHOOSEN

I-405, S5 01815, MP 0.18, I, RT

0 20 40
SCALE IN FEET

LEGEND

BEAM GUARDRAIL TYPE 31	ASPHALT CONC. GUTTER
EXISTING GUARDRAIL	EXISING CONCRETE BARRIER
FENCE	PRECAST CONC. BARRIER TYPE SINGLE SLOPE
RETAINING WALL	EXISTING IMPACT ATTENUATOR
RUMBLE STRIP	PERMANENT IMPACT ATTENUATOR
HMA FOR PAVEMENT REPAIR CL ½ IN. PG 58H-22	BRIDGE PIER COLUMN
CRUSHED SURFACING BASE COURSE	EXISTING LUMINAIRES
EXISTING SIGNS	PROPOSED LUMINAIRES
TREES	RAMP METERS
HEDGES	ELECTRICAL CABINETS
EXISTING DRAIN INLET	FLEXIBLE GUIDE POST
DETENTION POND	EXISTING GUIDEPOST
CEMENT CONC. TRAFFIC CURB	

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable TermInal Replacement\CAD\PS&E\06_XL6411_PS_BGP2.dgn
TIME	8:25:20 AM
DATE	6/29/2023
PLOTTED BY	SanetoZ
DESIGNED BY	Z. SANETO
ENTERED BY	Z. SANETO
CHECKED BY	N. MENZEL
PROJ. ENGR.	A. EMERSON
REGIONAL ADM.	B. NIELSEN

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO.

JOB NUMBER 22A023

CONTRACT NO. | LOCATION NO.

JEFFERY A. DAVIES, STATE OF WASHINGTON, 53724, REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
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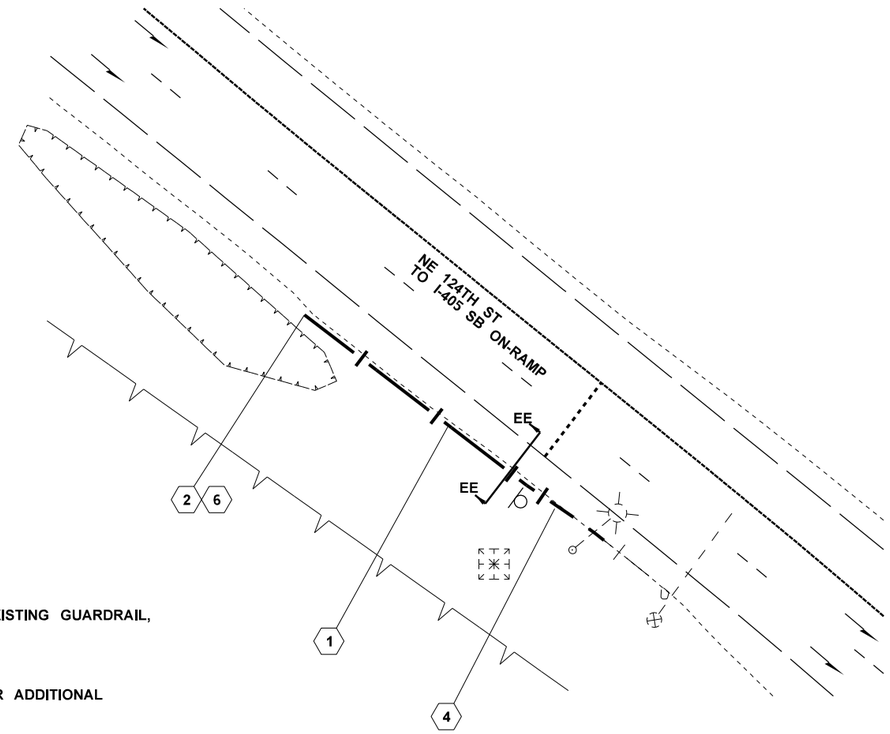
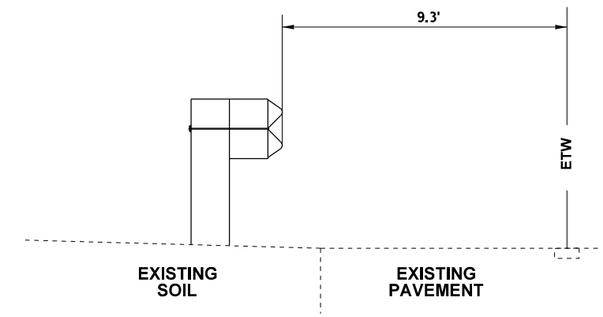
Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

BARRIER PLAN

Plot 9
PLAN REF NO BP16
SHEET 49 OF 134 SHEETS





CROSS SECTION EE

NOTES:

1. SEE SHEET BN1 FOR GENERAL NOTES.
2. CONNECT BEAM GUARDRAIL TYPE 31 TO EXISTING GUARDRAIL, SEE STD. PLAN C-25.80.
3. SEE SHEET SP17 FOR MORE INFORMATION.
4. SEE SHEET BD1 AND STANDARD PLANS FOR ADDITIONAL GUARDRAIL DETAILS.
5. SEE IL9 FOR MORE INFORMATION ON ILLUMINATION AND CONDUITS.

CONSTRUCTION NOTES:

1. INSTALL NEW GUARDRAIL
2. INSTALL NEW GUARDRAIL ANCHOR/ NEW GUARDRAIL TERMINAL
3. INSTALL NEW GUARDRAIL TRANSITION SECTION
4. RAISE EXISTING GUARDRAIL
5. INSTALL FLEXIBLE GUIDEPOST
6. CRUSHED SURFACING BASE COURSE
7. HMA FOR PAVEMENT REPAIR
8. INSTALL ASPHALT CONC. GUTTER
9. INSTALL CEMENT CONC. TRAFFIC CURB
10. INSTALL NEW IMPACT ATTENAUTOR
11. INSTALL NEW CONC. BARRIER
12. REMOVE AND RESET EXISTING CONC. BARRIER
13. CONTROL POINT AS IMPACT ATTENUATOR CENTERLINE MAY VERY DEPENDING ON IMPACT ATTENUATOR CHOOSEN

I-405, S1 01986, MP 0.13, I, RT

0 20 40
SCALE IN FEET

LEGEND

	BEAM GUARDRAIL TYPE 31		ASPHALT CONC. GUTTER
	EXISTING GUARDRAIL		EXISING CONCRETE BARRIER
	FENCE		PRECAST CONC. BARRIER TYPE SINGLE SLOPE
	RETAINING WALL		EXISTING IMPACT ATTENUATOR
	RUMBLE STRIP		PERMANENT IMPACT ATTENUATOR
HMA HMA	HMA FOR PAVEMENT REPAIR CL ½ IN. PG 58H-22		BRIDGE PIER COLUMN
	CRUSHED SURFACING BASE COURSE		EXISTING LUMINAIRES
	EXISTING SIGNS		PROPOSED LUMINAIRES
	TREES		RAMP METERS
	HEDGES		ELECTRICAL CABINETS
	EXISTING DRAIN INLET		FLEXIBLE GUIDE POST
	DETENTION POND		EXISTING GUIDEPOST
	CEMENT CONC. TRAFFIC CURB		

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\06_XL6411_PS_BGP2.dgn				REGION NO. 10	STATE WASH
TIME	8:25:19 AM					FED.AID PROJ.NO.
DATE	6/29/2023					
PLOTTED BY	SanetoZ				JOB NUMBER 22A023	
DESIGNED BY	Z. SANETO					
ENTERED BY	Z. SANETO				CONTRACT NO.	LOCATION NO.
CHECKED BY	N. MENZEL					
PROJ. ENGR.	A. EMERSON					
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY		

JEFFERY A. DAVIES, STATE OF WASHINGTON, 33724, REGISTERED PROFESSIONAL ENGINEER

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DATE
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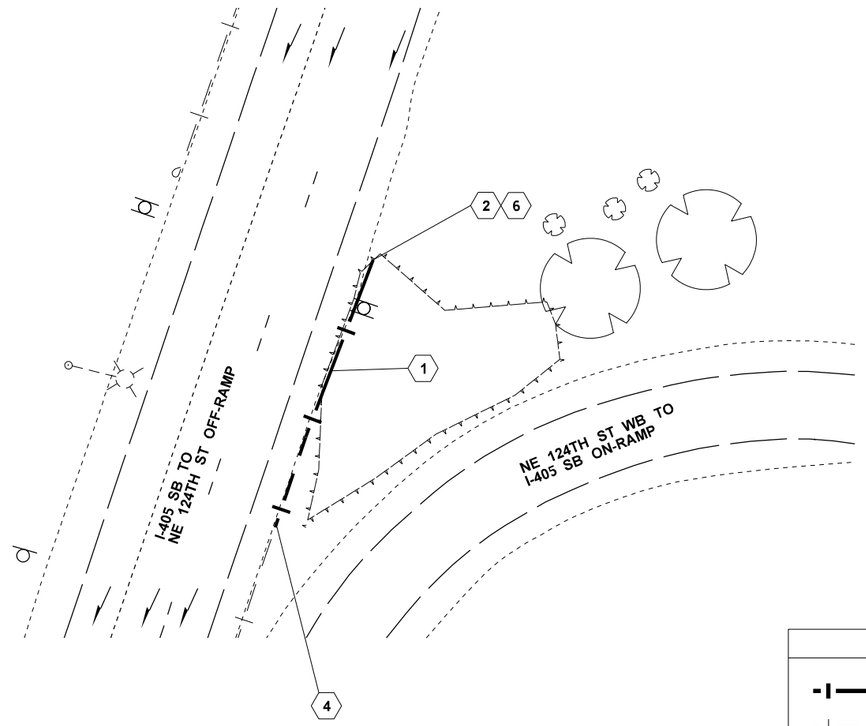
Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

BARRIER PLAN

Plot 9
PLAN REF NO BP17
SHEET 50 OF 134 SHEETS



NOTES:

1. SEE SHEET BN1 FOR GENERAL NOTES.
2. CONNECT BEAM GUARDRAIL TYPE 31 TO EXISTING GUARDRAIL, SEE STD. PLAN C-25.80.
3. SEE SHEET SP18 FOR MORE INFORMATION.
4. SEE SHEET BD1 AND STANDARD PLANS FOR ADDITIONAL GUARDRAIL DETAILS.
5. SEE IL10 FOR MORE INFORMATION ON ILLUMINATION AND CONDUITS.

CONSTRUCTION NOTES:

1. INSTALL NEW GUARDRAIL
2. INSTALL NEW GUARDRAIL ANCHOR/ NEW GUARDRAIL TERMINAL
3. INSTALL NEW GUARDRAIL TRANSITION SECTION
4. RAISE EXISTING GUARDRAIL
5. INSTALL FLEXIBLE GUIDEPOST
6. CRUSHED SURFACING BASE COURSE
7. HMA FOR PAVEMENT REPAIR
8. INSTALL ASPHALT CONC. GUTTER
9. INSTALL CEMENT CONC. TRAFFIC CURB
10. INSTALL NEW IMPACT ATTENAUTOR
11. INSTALL NEW CONC. BARRIER
12. REMOVE AND RESET EXISTING CONC. BARRIER
13. CONTROL POINT AS IMPACT ATTENUATOR CENTERLINE MAY VERY DEPENDING ON IMPACT ATTENUATOR CHOOSEN

I-405, R1 02065, MP 0.22, I, LT

0 20 40
SCALE IN FEET

LEGEND

	BEAM GUARDRAIL TYPE 31		ASPHALT CONC. GUTTER
	EXISTING GUARDRAIL		EXISING CONCRETE BARRIER
	FENCE		PRECAST CONC. BARRIER TYPE SINGLE SLOPE
	RETAINING WALL		EXISTING IMPACT ATTENUATOR
	RUMBLE STRIP		PERMANENT IMPACT ATTENUATOR
HMA HMA	HMA FOR PAVEMENT REPAIR CL ½ IN. PG 58H-22		BRIDGE PIER COLUMN
	CRUSHED SURFACING BASE COURSE		EXISTING LUMINAIRES
	EXISTING SIGNS		PROPOSED LUMINAIRES
	TREES		RAMP METERS
	HEDGES		ELECTRICAL CABINETS
	EXISTING DRAIN INLET		FLEXIBLE GUIDE POST
	DETENTION POND		EXISTING GUIDEPOST
	CEMENT CONC. TRAFFIC CURB		

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\06_XL6411_PS_BGP2.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	8:25:20 AM				10	WASH	
DATE	6/29/2023				JOB NUMBER		
PLOTTED BY	SanetoZ				22A023		
DESIGNED BY	Z. SANETO				CONTRACT NO.		LOCATION NO.
ENTERED BY	Z. SANETO						
CHECKED BY	N. MENZEL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

JEFFERY A. DAVIES, STATE OF WASHINGTON, 33724, REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1
DATE
P.E. STAMP BOX

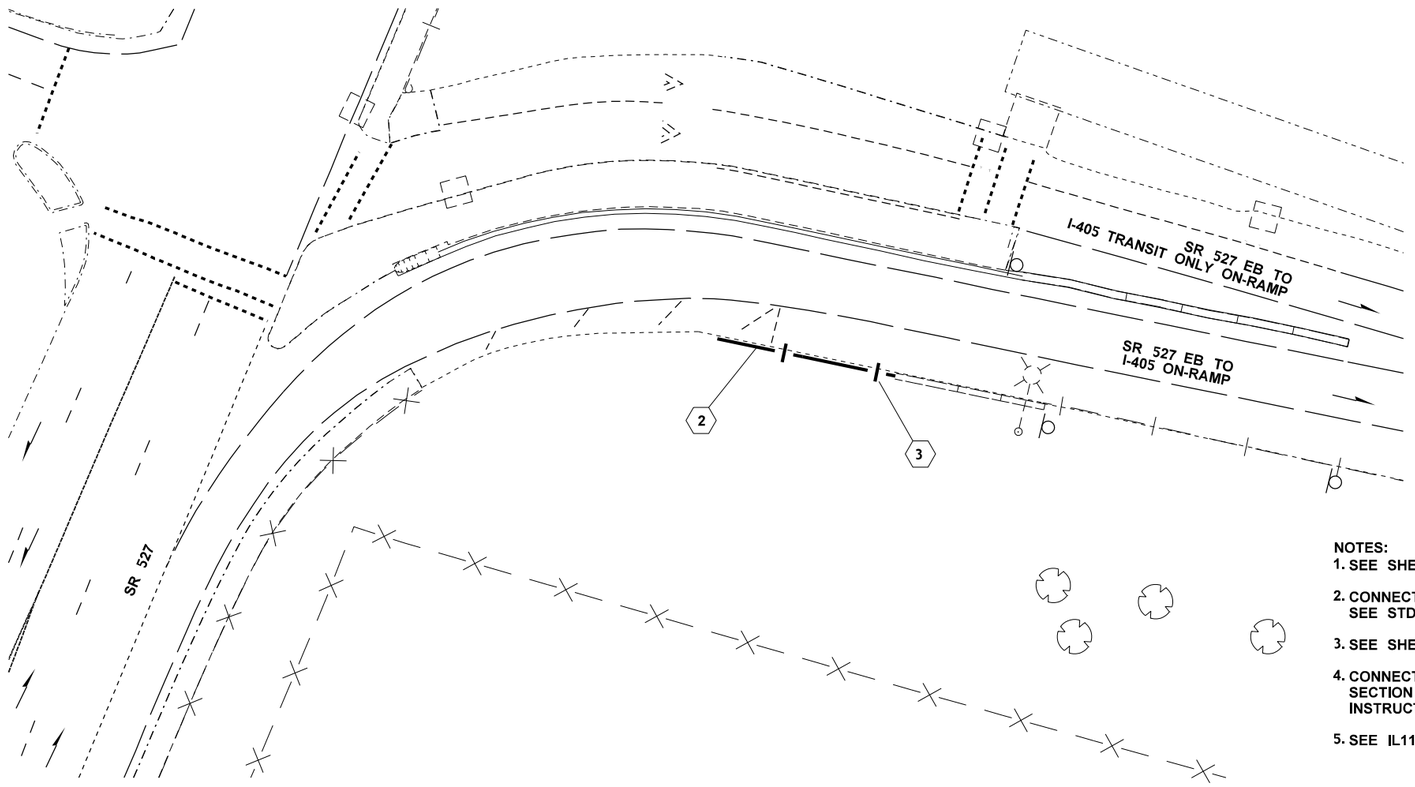
DATE
P.E. STAMP BOX

Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

BARRIER PLAN

Plot 10
PLAN REF NO
BP18
SHEET 51 OF 134 SHEETS



NOTES:

1. SEE SHEET BN1 FOR GENERAL NOTES.
2. CONNECT BEAM GUARDRAIL TYPE 31 TO EXISTING GUARDRAIL, SEE STD. PLAN C-25.80.
3. SEE SHEET SP19 FOR MORE INFORMATION.
4. CONNECTION D FOR BEAM GUARDRAIL TRANSITION SECTION TYPE 24 SHALL BE USED, UNLESS OTHERWISE INSTRUCTED BY THE ENGINEER. SEE STD. PLAN C-24.10.
5. SEE IL11 FOR MORE INFORMATION ON ILLUMINATION AND CONDUITS.

CONSTRUCTION NOTES:

1. INSTALL NEW GUARDRAIL
2. INSTALL NEW GUARDRAIL ANCHOR/ NEW GUARDRAIL TERMINAL
3. INSTALL NEW GUARDRAIL TRANSITION SECTION
4. RAISE EXISTING GUARDRAIL
5. INSTALL FLEXIBLE GUIDEPOST
6. CRUSHED SURFACING BASE COURSE
7. HMA FOR PAVEMENT REPAIR
8. INSTALL ASPHALT CONC. GUTTER
9. INSTALL CEMENT CONC. TRAFFIC CURB
10. INSTALL NEW IMPACT ATTENAUTOR
11. INSTALL NEW CONC. BARRIER
12. REMOVE AND RESET EXISTING CONC. BARRIER
13. CONTROL POINT AS IMPACT ATTENUATOR CENTERLINE MAY VERY DEPENDING ON IMPACT ATTENUATOR CHOOSEN

LEGEND

	BEAM GUARDRAIL TYPE 31		ASPHALT CONC. GUTTER
	EXISTING GUARDRAIL		EXISING CONCRETE BARRIER
	FENCE		PRECAST CONC. BARRIER TYPE SINGLE SLOPE
	RETAINING WALL		EXISTING IMPACT ATTENUATOR
	RUMBLE STRIP		PERMANENT IMPACT ATTENUATOR
HMA HMA	HMA FOR PAVEMENT REPAIR CL ½ IN. PG 58H-22		BRIDGE PIER COLUMN
	CRUSHED SURFACING BASE COURSE		EXISTING LUMINAIRES
	EXISTING SIGNS		PROPOSED LUMINAIRES
	TREES		RAMP METERS
	HEDGES		ELECTRICAL CABINETS
	EXISTING DRAIN INLET		FLEXIBLE GUIDE POST
	DETENTION POND		EXISTING GUIDEPOST
	CEMENT CONC. TRAFFIC CURB		

I-405, S1 02630, MP 0.03, I, RT

0 20 40
SCALE IN FEET

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\06_XL6411_PS_BGP2.dgn
TIME	8:25:21 AM
DATE	6/29/2023
PLOTTED BY	SanetoZ
DESIGNED BY	Z. SANETO
ENTERED BY	Z. SANETO
CHECKED BY	N. MENZEL
PROJ. ENGR.	A. EMERSON
REGIONAL ADM.	B. NIELSEN

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22A023		
CONTRACT NO.		LOCATION NO.

JEFFERY A. DAVIES, STATE OF WASHINGTON, 33724, REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
P.E. STAMP BOX

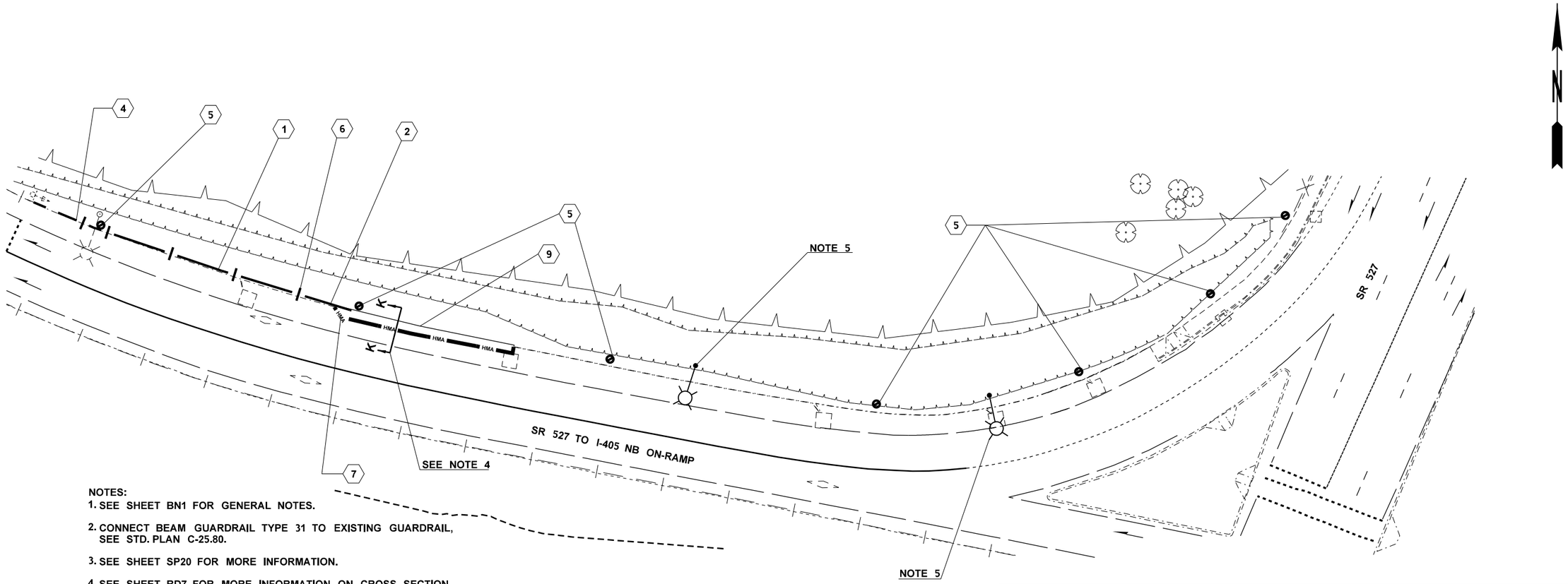
DATE
P.E. STAMP BOX

Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

BARRIER PLAN

Plot 13
PLAN REF NO BP19
SHEET 52 OF 134 SHEETS



NOTES:

1. SEE SHEET BN1 FOR GENERAL NOTES.
2. CONNECT BEAM GUARDRAIL TYPE 31 TO EXISTING GUARDRAIL, SEE STD. PLAN C-25.80.
3. SEE SHEET SP20 FOR MORE INFORMATION.
4. SEE SHEET BD7 FOR MORE INFORMATION ON CROSS SECTION
5. SEE SHEET IL12 FOR MORE INFORMATION ABOUT INSTALLATION OF NEW LUMINAIRES AND CONDUITS.

CONSTRUCTION NOTES:

1. INSTALL NEW GUARDRAIL
2. INSTALL NEW GUARDRAIL ANCHOR/ NEW GUARDRAIL TERMINAL
3. INSTALL NEW GUARDRAIL TRANSITION SECTION
4. RAISE EXISTING GUARDRAIL
5. INSTALL FLEXIBLE GUIDEPOST
6. CRUSHED SURFACING BASE COURSE
7. HMA FOR PAVEMENT REPAIR
8. INSTALL ASPHALT CONC. GUTTER
9. INSTALL CEMENT CONC. TRAFFIC CURB
10. INSTALL NEW IMPACT ATTENAUTOR
11. INSTALL NEW CONC. BARRIER
12. REMOVE AND RESET EXISTING CONC. BARRIER
13. CONTROL POINT AS IMPACT ATTENUATOR CENTERLINE MAY VERY DEPENDING ON IMPACT ATTENUATOR CHOOSEN

I-405, Q1 02734, MP 0.03, I, RT

0 20 40
SCALE IN FEET

LEGEND

BEAM GUARDRAIL TYPE 31	ASPHALT CONC. GUTTER
EXISTING GUARDRAIL	EXISING CONCRETE BARRIER
FENCE	PRECAST CONC. BARRIER TYPE SINGLE SLOPE
RETAINING WALL	EXISTING IMPACT ATTENUATOR
RUMBLE STRIP	PERMANENT IMPACT ATTENUATOR
HMA FOR PAVEMENT REPAIR CL ½ IN. PG 58H-22	BRIDGE PIER COLUMN
CRUSHED SURFACING BASE COURSE	EXISTING LUMINAIRES
EXISTING SIGNS	PROPOSED LUMINAIRES
TREES	RAMP METERS
HEDGES	ELECTRICAL CABINETS
EXISTING DRAIN INLET	FLEXIBLE GUIDE POST
DETENTION POND	EXISTING GUIDEPOST
CEMENT CONC. TRAFFIC CURB	

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\06_XL6411_PS_BGP2.dgn
TIME	8:25:19 AM
DATE	6/29/2023
PLOTTED BY	SanetoZ
DESIGNED BY	Z. SANETO
ENTERED BY	Z. SANETO
CHECKED BY	N. MENZEL
PROJ. ENGR.	A. EMERSON
REGIONAL ADM.	B. NIELSEN

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22A023		
CONTRACT NO.		LOCATION NO.

JEFFERY A. DAVIES, STATE OF WASHINGTON, 33724, REGISTERED PROFESSIONAL ENGINEER

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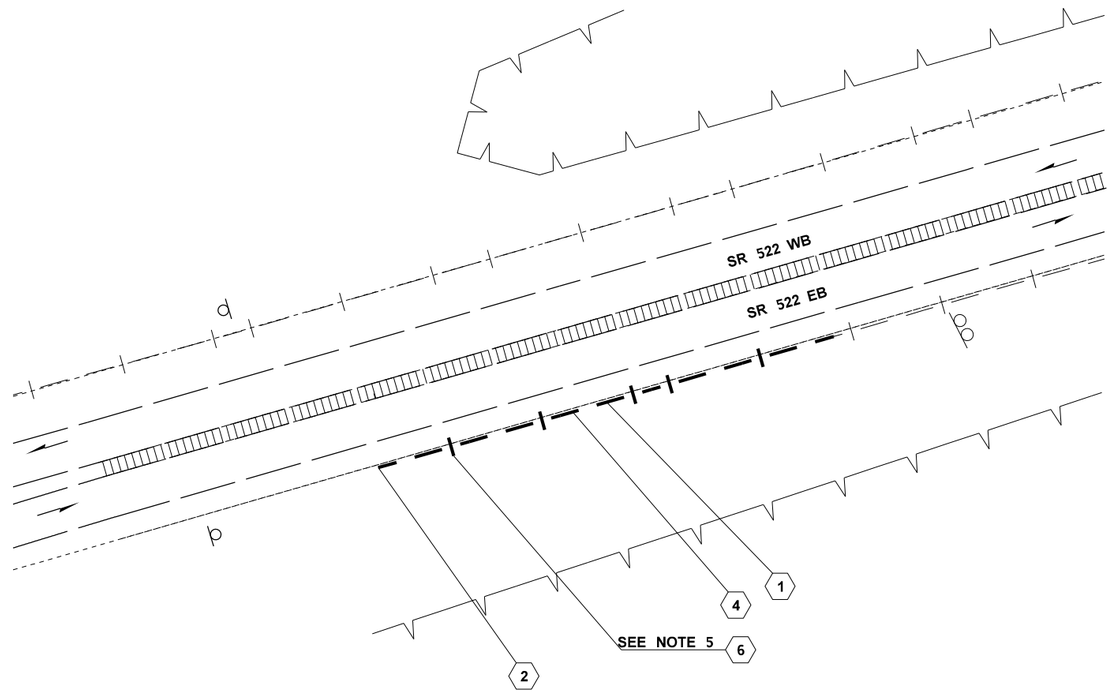
Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

BARRIER PLAN

Plot 14
PLAN REF NO BP20
SHEET 53 OF 134 SHEETS



NOTES:

1. SEE SHEET BN1 FOR GENERAL NOTES.
2. CONNECT BEAM GUARDRAIL TYPE 31 TO EXISTING GUARDRAIL, SEE STD. PLAN C-25.80.
3. SEE SHEET SP22 FOR MORE INFORMATION.
4. SEE SHEET BD1 AND STANDARD PLANS FOR ADDITIONAL GUARDRAIL DETAILS.
5. MATCH EXISTING GUARDRAIL OFFSET FROM EDGE LINE.

CONSTRUCTION NOTES:

1. INSTALL NEW GUARDRAIL
2. INSTALL NEW GUARDRAIL ANCHOR/ NEW GUARDRAIL TERMINAL
3. INSTALL NEW GUARDRAIL TRANSITION SECTION
4. RAISE EXISTING GUARDRAIL
5. INSTALL FLEXIBLE GUIDEPOST
6. CRUSHED SURFACING BASE COURSE
7. HMA FOR PAVEMENT REPAIR
8. INSTALL ASPHALT CONC. GUTTER
9. INSTALL CEMENT CONC. TRAFFIC CURB
10. INSTALL NEW IMPACT ATTENAUTOR
11. INSTALL NEW CONC. BARRIER
12. REMOVE AND RESET EXISTING CONC. BARRIER
13. CONTROL POINT AS IMPACT ATTENUATOR CENTERLINE MAY VERY DEPENDING ON IMPACT ATTENUATOR CHOOSEN

SR 522, MP 17.4, I, RT

0 20 40
SCALE IN FEET

LEGEND

	BEAM GUARDRAIL TYPE 31		ASPHALT CONC. GUTTER
	EXISTING GUARDRAIL		EXISING CONCRETE BARRIER
	FENCE		PRECAST CONC. BARRIER TYPE SINGLE SLOPE
	RETAINING WALL		EXISTING IMPACT ATTENUATOR
	RUMBLE STRIP		PERMANENT IMPACT ATTENUATOR
HMA HMA	HMA FOR PAVEMENT REPAIR CL ½ IN. PG 58H-22		BRIDGE PIER COLUMN
	CRUSHED SURFACING BASE COURSE		EXISTING LUMINAIRES
	EXISTING SIGNS		PROPOSED LUMINAIRES
	TREES		RAMP METERS
	HEDGES		ELECTRICAL CABINETS
	EXISTING DRAIN INLET		FLEXIBLE GUIDE POST
	DETENTION POND		EXISTING GUIDEPOST
	CEMENT CONC. TRAFFIC CURB		

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\06_XL6411_PS_BGP2.dgn
TIME	8:25:42 AM
DATE	6/29/2023
PLOTTED BY	SanetoZ
DESIGNED BY	Z. SANETO
ENTERED BY	Z. SANETO
CHECKED BY	N. MENZEL
PROJ. ENGR.	A. EMERSON
REGIONAL ADM.	B. NIELSEN

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22A023		
CONTRACT NO.		LOCATION NO.

JEFFERY A. DAVIES, STATE OF WASHINGTON, 53724, REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
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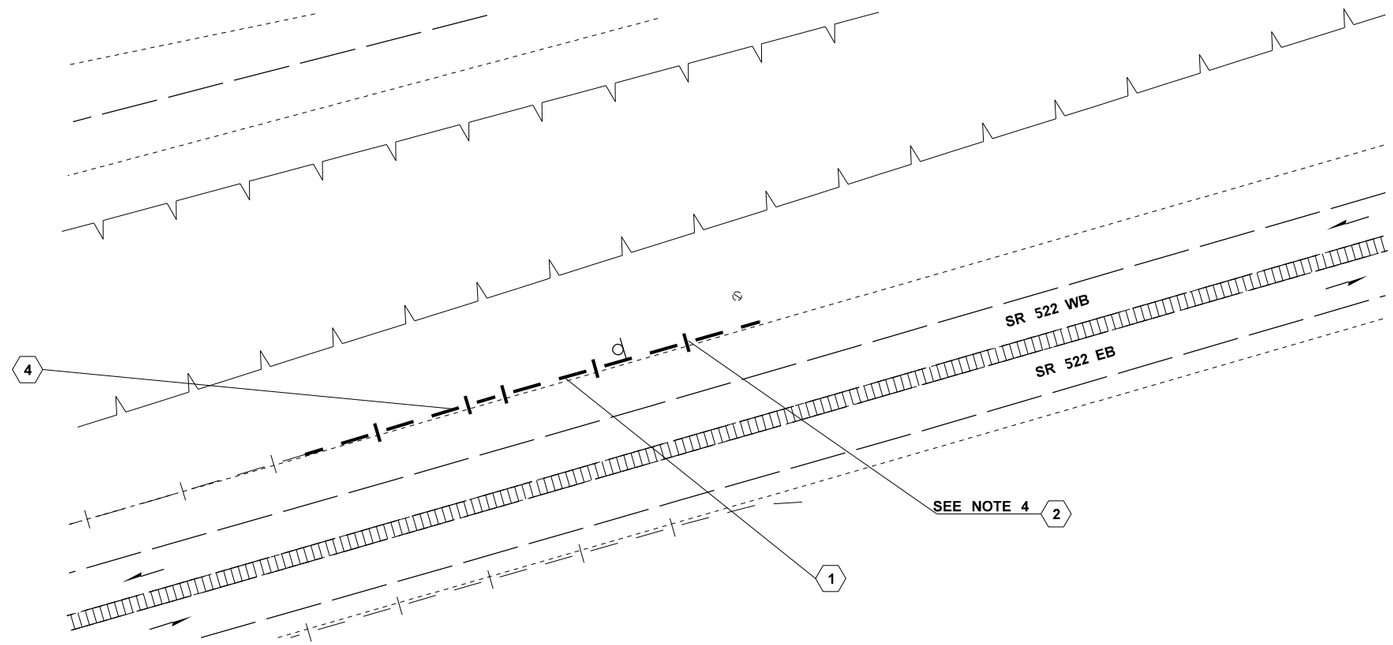
P.E. STAMP BOX

Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

BARRIER PLAN

Plot 18
PLAN REF NO BP21
SHEET 54 OF 134 SHEETS



NOTES:

1. SEE SHEET BN1 FOR GENERAL NOTES.
2. CONNECT TO EXISTING GUARDRAIL, SEE STD. PLAN C-25.80.
3. SEE SHEET SP23 FOR MORE INFORMATION.
4. MATCH EXISTING GUARDRAIL OFFSET FROM EDGE LINE.

CONSTRUCTION NOTES:

1. INSTALL NEW GUARDRAIL
2. INSTALL NEW GUARDRAIL ANCHOR/ NEW GUARDRAIL TERMINAL
3. INSTALL NEW GUARDRAIL TRANSITION SECTION
4. RAISE EXISTING GUARDRAIL
5. INSTALL FLEXIBLE GUIDEPOST
6. CRUSHED SURFACING BASE COURSE
7. HMA FOR PAVEMENT REPAIR
8. INSTALL ASPHALT CONC. GUTTER
9. INSTALL CEMENT CONC. TRAFFIC CURB
10. INSTALL NEW IMPACT ATTENAUTOR
11. INSTALL NEW CONC. BARRIER
12. REMOVE AND RESET EXISTING CONC. BARRIER
13. CONTROL POINT AS IMPACT ATTENUATOR CENTERLINE MAY VERY DEPENDING ON IMPACT ATTENUATOR CHOOSEN

SR 522, MP 17.56, D, RT

0 20 40
SCALE IN FEET

LEGEND

	BEAM GUARDRAIL TYPE 31		ASPHALT CONC. GUTTER
	EXISTING GUARDRAIL		EXISING CONCRETE BARRIER
	FENCE		PRECAST CONC. BARRIER TYPE SINGLE SLOPE
	RETAINING WALL		EXISTING IMPACT ATTENUATOR
	RUMBLE STRIP		PERMANENT IMPACT ATTENUATOR
HMA HMA	HMA FOR PAVEMENT REPAIR CL ½ IN. PG 58H-22		BRIDGE PIER COLUMN
	CRUSHED SURFACING BASE COURSE		EXISTING LUMINAIRES
	EXISTING SIGNS		PROPOSED LUMINAIRES
	TREES		RAMP METERS
	HEDGES		ELECTRICAL CABINETS
	EXISTING DRAIN INLET		FLEXIBLE GUIDE POST
	DETENTION POND		EXISTING GUIDEPOST
	CEMENT CONC. TRAFFIC CURB		

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\06_XL6411_PS_BGP2.dgn
TIME	8:25:42 AM
DATE	6/29/2023
PLOTTED BY	SanetoZ
DESIGNED BY	Z. SANETO
ENTERED BY	Z. SANETO
CHECKED BY	N. MENZEL
PROJ. ENGR.	A. EMERSON
REGIONAL ADM.	B. NIELSEN

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO.

JOB NUMBER 22A023

CONTRACT NO. | LOCATION NO.

JEFFERY A. DAVIES, STATE OF WASHINGTON, 33724, REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
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DATE
P.E. STAMP BOX

Washington State Department of Transportation

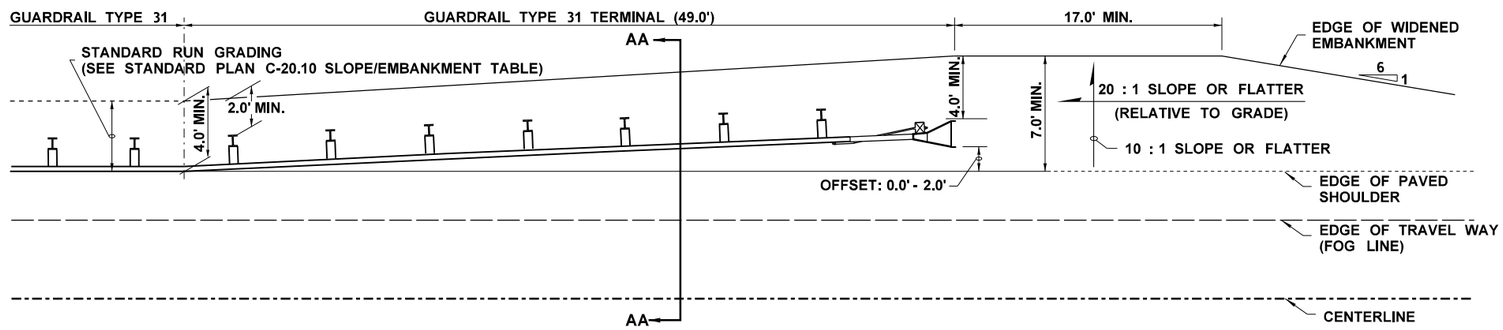
US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

BARRIER PLAN

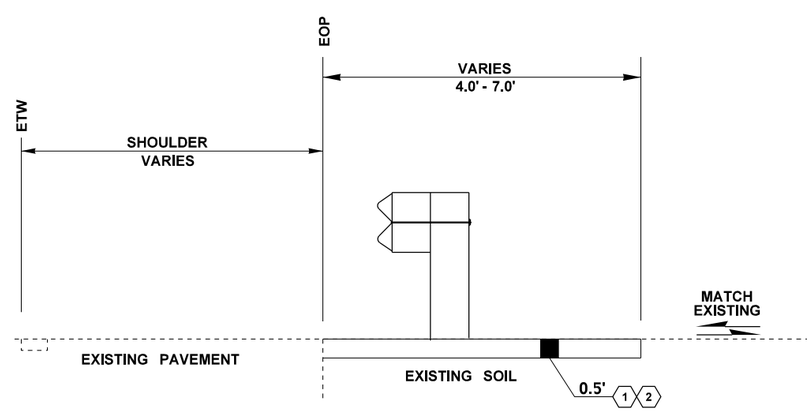
Plot 18
PLAN REF NO BP22
SHEET 55 OF 134 SHEETS

NOTES:

1. ALL DEPTHS SHOWN ARE COMPACTED DEPTHS.
2. SEE STD. PLAN C22-40 BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL (ALL POSTED SPEEDS) FOR MORE INFORMATION ON NEW GUARDRAIL EMBANKMENT.
3. DETAIL AA IS INFORMATION ONLY. FOLLOW THE STANDARD PLAN FOR INSTALLATION OF NEW GUARDRAIL.



DETAIL AA - NEW GUARDRAIL EMBANKMENT



CROSS SECTION AA

CONSTRUCTION NOTES:

1. ROADWAY EXCAVATION
2. CRUSHED SURFACE BASED COURSE
3. HMA FOR PAVEMENT REPAIR CL. 1/2 IN. PG 58H-22
4. SELECT BORROW (INCL. HAUL)
5. IMPACT ATTENUATOR FOUNDATION
6. PLANING BITUMINOUS PAVEMENT

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\04_XL6411_PS_BD.dgn						
TIME	8:17:08 AM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	6/29/2023						
PLOTTED BY	SanetoZ				JOB NUMBER 22A023		
DESIGNED BY	Z. SANETO						
ENTERED BY	Z. SANETO				CONTRACT NO.	LOCATION NO.	
CHECKED BY	N. MENZEL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

JEFFERY A. DAVIES, STATE OF WASHINGTON, 33724, REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1

DATE

P.E. STAMP BOX

DATE

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Washington State
Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE
TERMINAL REPLACEMENT 21-23

BARRIER DETAILS

Plot 1

PLAN REF NO
BD1

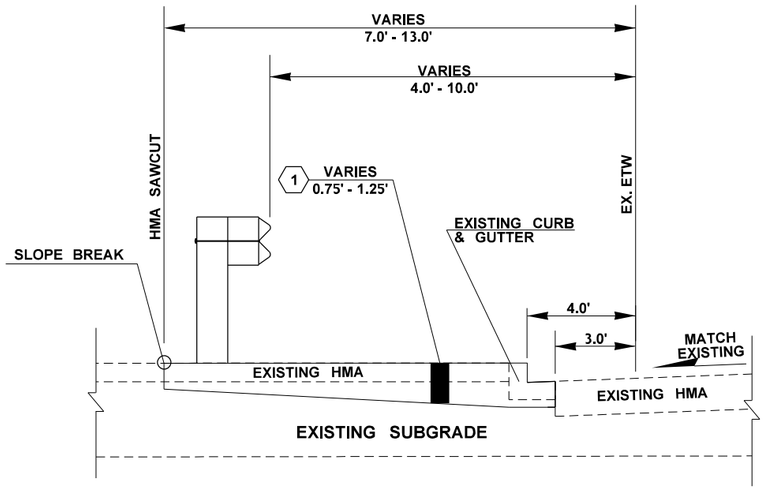
SHEET 56 OF 134 SHEETS

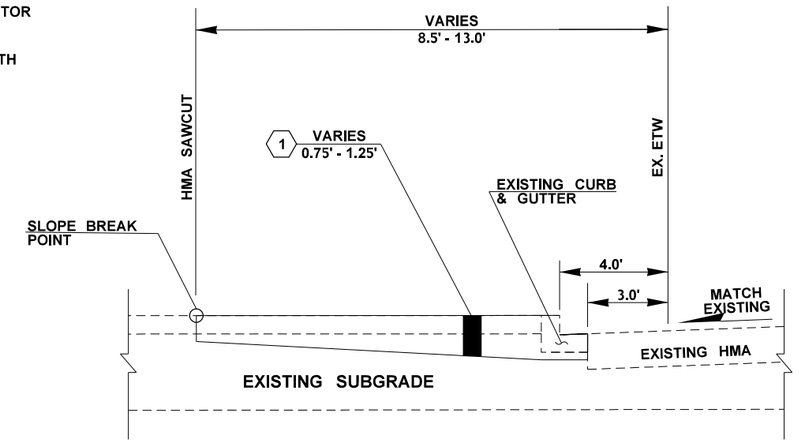
NOTES:

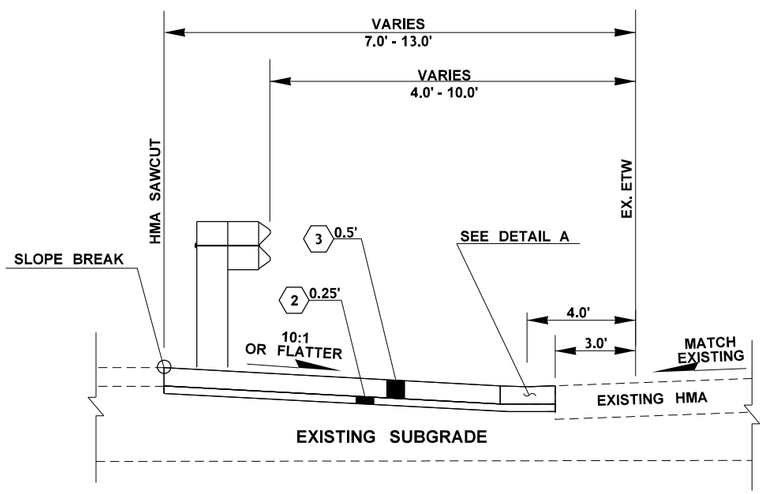
1. ALL DEPTHS SHOWN ARE COMPACTED DEPTHS.
2. DIMENSIONS SHOWN ARE FOR INFORMATION ONLY. THE CONTRACTOR SHALL VERIFY DIMENSIONS PRIOR TO PLACEMENT OF BARRIER.
3. MATCH THE CENTERLINE OF THE ASPHALT CONCRETE GUTTER WITH THE FRONT FACE OF THE EXISTING CURB & GUTTER.
4. PRESERVE AND PROTECT EXISTING PAVEMENT MARKINGS.
5. SEE SHEETS SP4 & BP4 FOR MORE INFORMATION.

CONSTRUCTION NOTES:

1. ROADWAY EXCAVATION
2. CRUSHED SURFACE BASED COURSE
3. HMA FOR PAVEMENT REPAIR CL. 1/2 IN. PG 58H-22
4. SELECT BORROW (INCL. HAUL)
5. IMPACT ATTENUATOR FOUNDATION
6. PLANING BITUMINOUS PAVEMENT

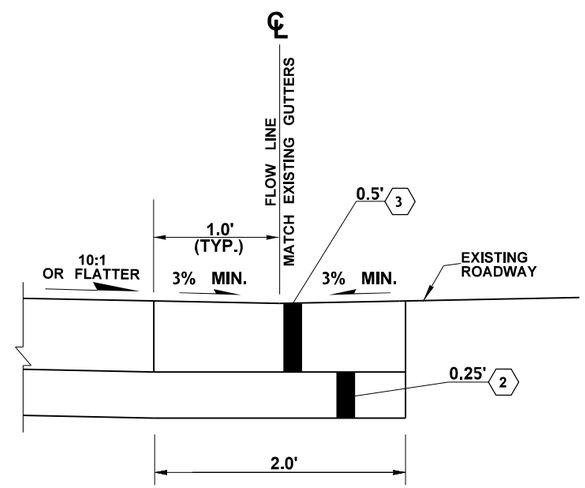




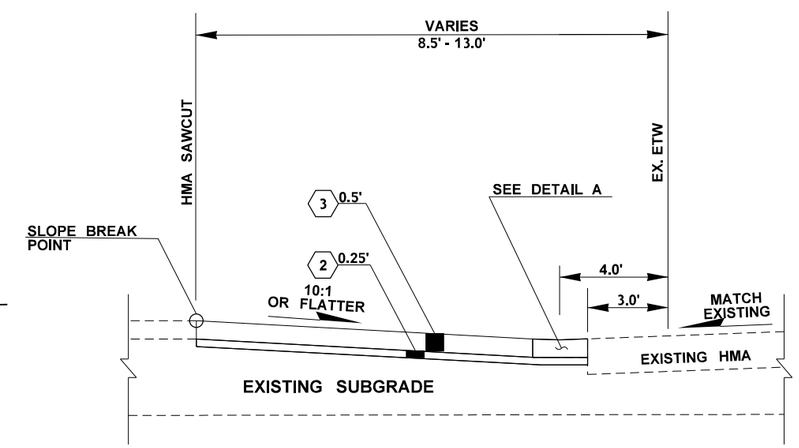


CROSS SECTION A - CROSS SECTION DETAIL
ASHPALT CONC. GUTTER
SPOKANE ST TO I-5 SB ON-RAMP

NOT TO SCALE



DETAIL A - ASPHALT CONC. GUTTER
NOT TO SCALE



CROSS SECTION B - CROSS SECTION DETAIL
ASHPALT CONC. GUTTER
SPOKANE ST TO I-5 SB ON-RAMP

NOT TO SCALE

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\04_XL6411_PS_BD.dgn						
TIME	8:17:09 AM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	6/29/2023						
PLOTTED BY	SanetoZ						
DESIGNED BY	Z. SANETO				JOB NUMBER 22A023		
ENTERED BY	Z. SANETO						
CHECKED BY	N. MENZEL				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

HERBERT A. DAVIES, STATE OF WASHINGTON, 53724, REGISTERED PROFESSIONAL ENGINEER

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DATE
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Department of Transportation

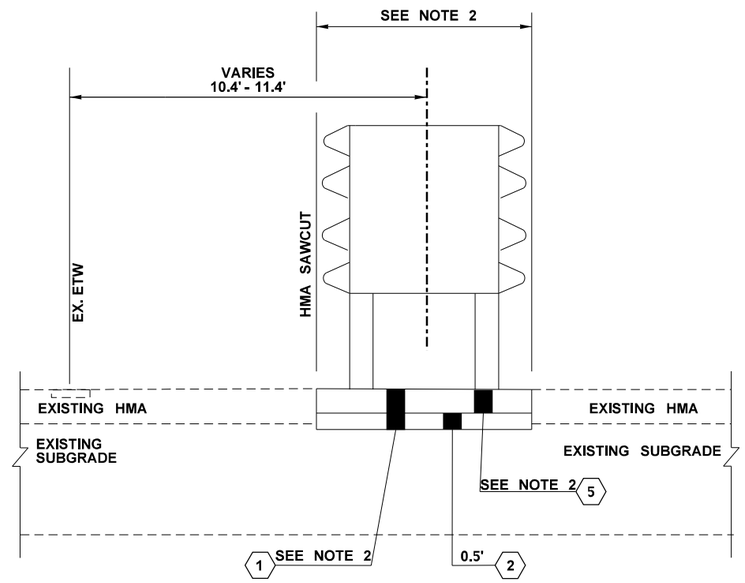
US 2 ET AL.
NWR BREAKAWAY CABLE
TERMINAL REPLACEMENT 21-23

BARRIER DETAILS

Plot 2
PLAN REF NO
BD2
SHEET 57 OF 134 SHEETS

NOTES:

1. ALL DEPTHS SHOWN ARE COMPACTED DEPTHS.
2. DIMENSIONS SHOWN ARE FOR INFORMATION ONLY. THE CONTRACTOR SHALL FOLLOW THE MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION OF NEW IMPACT ATTENUATOR.
3. PRESERVE AND PROTECT EXISTING PAVEMENT MARKINGS.
4. SEE BD8 FOR MORE INFORMATION ABOUT ATTENATUOR FOUNDATION.
5. SEE SHEETS SP5 & BP5 FOR MORE INFORMATION.



CROSS SECTION C - MEDIAN EMBENDMENT DETAIL
NEW IMPACT ATTENUATOR
I-5 SB TO JAMES ST OFF-RAMP
NOT TO SCALE

CONSTRUCTION NOTES:

1. ROADWAY EXCAVATION
2. CRUSHED SURFACE BASED COURSE
3. HMA FOR PAVEMENT REPAIR CL. 1/2 IN. PG 58H-22
4. SELECT BORROW (INCL. HAUL)
5. IMPACT ATTENUATOR FOUNDATION
6. PLANING BITUMINOUS PAVEMENT

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\04_XL6411_PS_BD.dgn						
TIME	8:17:11 AM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	6/29/2023						
PLOTTED BY	SanetoZ						
DESIGNED BY	Z. SANETO				JOB NUMBER 22A023		
ENTERED BY	Z. SANETO						
CHECKED BY	N. MENZEL				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

JEFFERY A. DAVIES, STATE OF WASHINGTON, 33724, REGISTERED PROFESSIONAL ENGINEER

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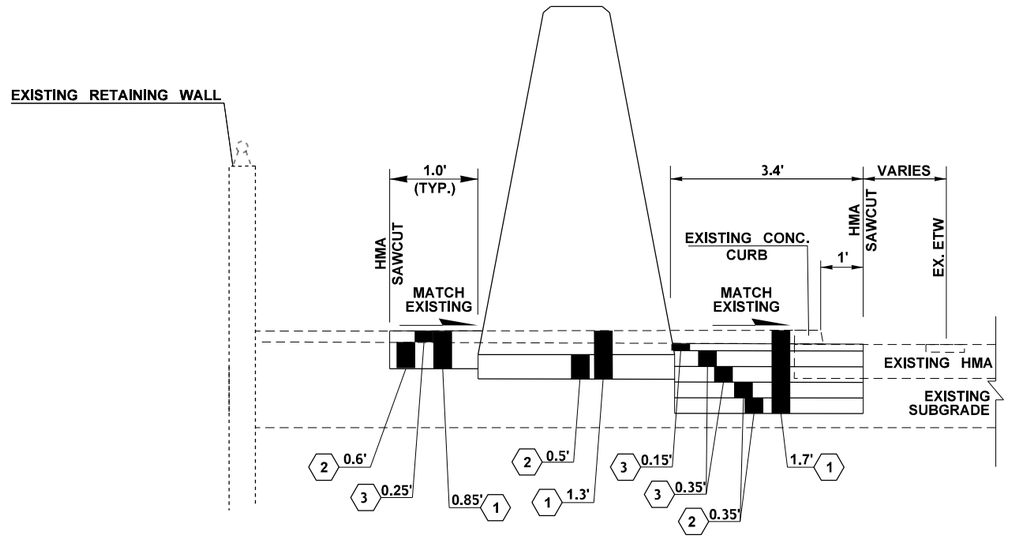
US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

BARRIER DETAILS

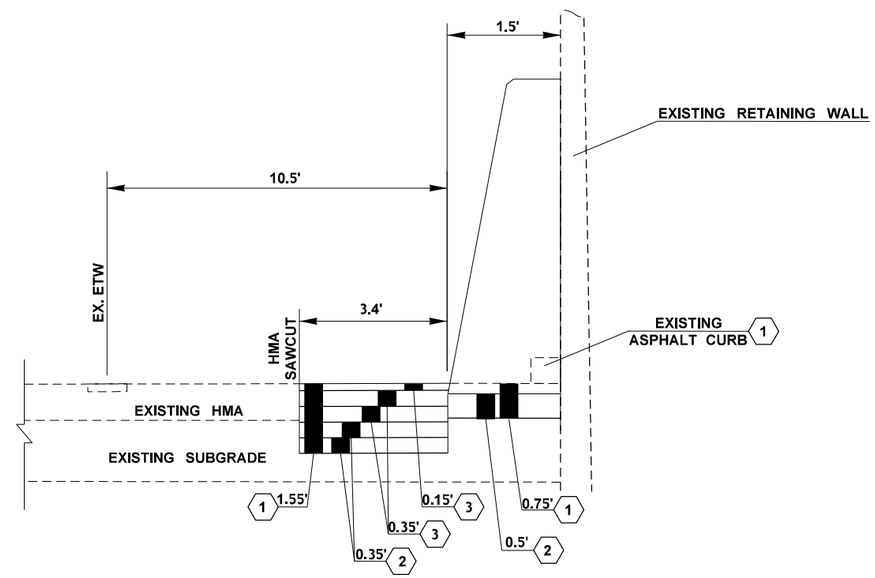
Plot 6
PLAN REF NO BD3
SHEET 58 OF 134 SHEETS

NOTES:

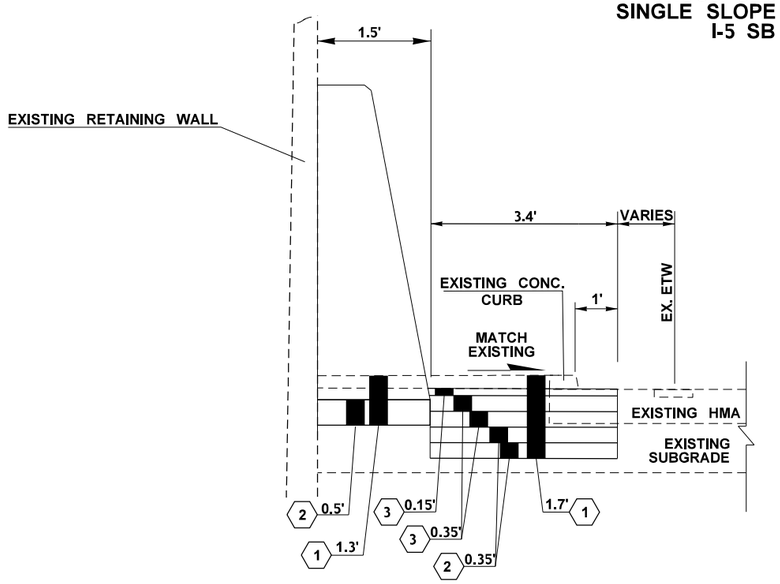
1. ALL DEPTHS SHOWN ARE COMPACTED DEPTHS.
2. DIMENSIONS SHOWN ARE FOR INFORMATION ONLY. THE CONTRACTOR SHALL VERIFY DIMENSIONS PRIOR TO PLACEMENT OF BARRIER.
3. SEE MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION OF CONCRETE PAD FOR QUADGUARD ELITE M10 (69" WIDE).
4. REMOVAL AND PROPOSED DEPTHS ARE MINIMUM AND ACTUAL DEPTHS ENCOUNTERED MAY VARY.
5. SEE SHEETS SP8 & BP8 FOR MORE INFORMATION.



CROSS SECTION D - EMBEDMENT DETAIL
SINGLE SLOPE CONCRETE BARRIER (PRECAST)
I-5 SB TO 71ST ST OFF-RAMP
NOT TO SCALE



CROSS SECTION F - EMBEDMENT DETAIL
SINGLE SLOPE CONCRETE BARRIER (PRECAST)
I-5 SB MAINLINE
NOT TO SCALE



CROSS SECTION E - EMBEDMENT DETAIL
SINGLE SLOPE CONCRETE BARRIER (PRECAST) VERTICAL BACK
I-5 SB TO 71ST ST OFF-RAMP
NOT TO SCALE

CONSTRUCTION NOTES:

1. ROADWAY EXCAVATION
2. CRUSHED SURFACE BASED COURSE
3. HMA FOR PAVEMENT REPAIR CL. 1/2 IN. PG 58H-22
4. SELECT BORROW (INCL. HAUL)
5. IMPACT ATTENUATOR FOUNDATION
6. PLANING BITUMINOUS PAVEMENT

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\04_XL6411_PS_BD.dgn						
TIME	8:17:12 AM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	6/29/2023						
PLOTTED BY	SanetoZ				JOB NUMBER 22A023		
DESIGNED BY	Z. SANETO						
ENTERED BY	Z. SANETO				CONTRACT NO.		LOCATION NO.
CHECKED BY	N. MENZEL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

JEFFREY A. DAVIES, STATE OF WASHINGTON, REGISTERED PROFESSIONAL ENGINEER

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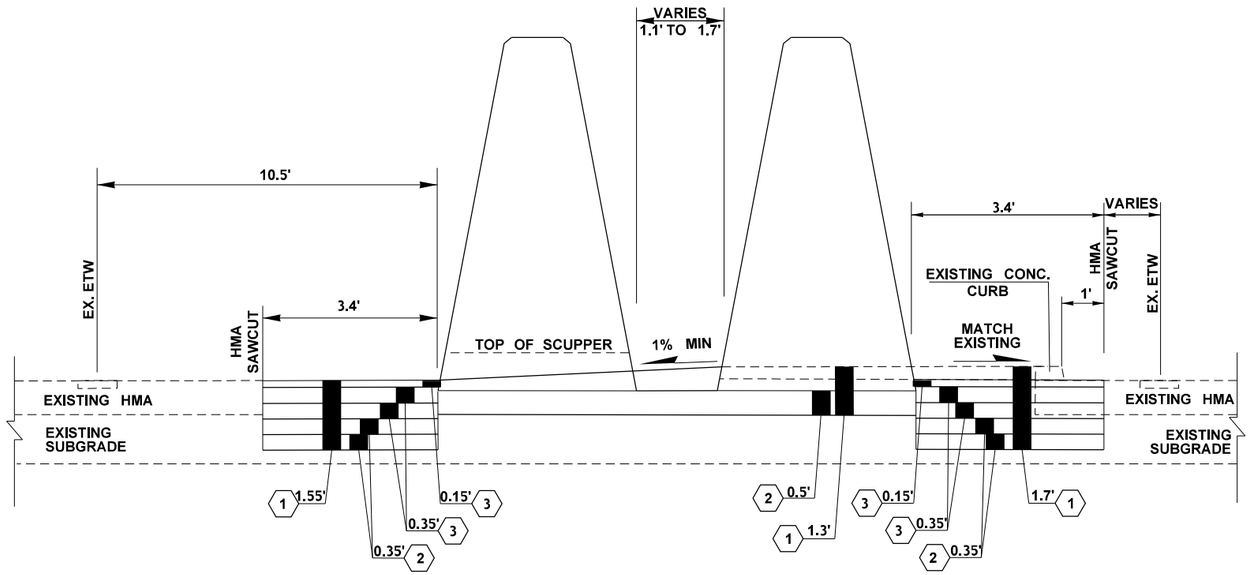
NWR BREAKAWAY CABLE
TERMINAL REPLACEMENT 21-23

BARRIER DETAILS

Plot 7
PLAN REF NO BD4
SHEET 59 OF 134 SHEETS

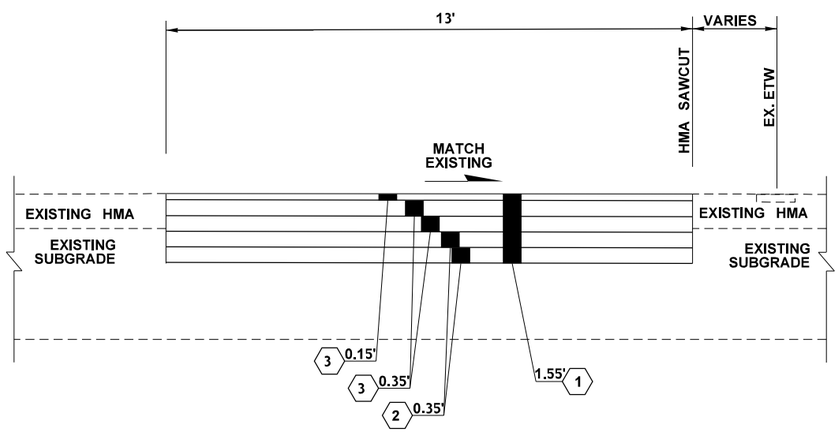
NOTES:

1. ALL DEPTHS SHOWN ARE COMPACTED DEPTHS.
2. DIMENSIONS SHOWN ARE FOR INFORMATION ONLY. THE CONTRACTOR SHALL VERIFY DIMENSIONS PRIOR TO PLACEMENT OF BARRIER.
3. SEE BD8 FOR MORE INFORMATION ABOUT ATTENATUOR FOUNDATION.
4. REMOVAL AND PROPOSED DEPTHS ARE MINIMUM AND ACTUAL DEPTHS ENCOUNTERED MAY VARY.
5. SEE SHEETS SP8 & BP8 FOR MORE INFORMATION.



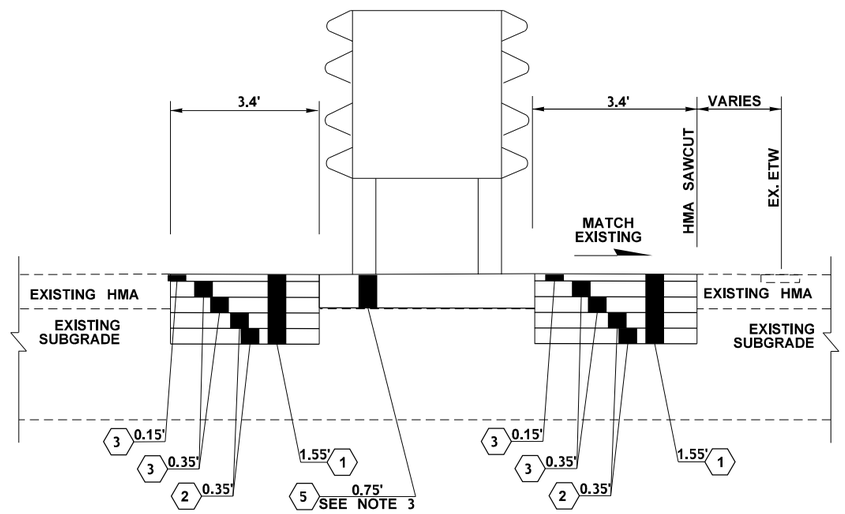
CROSS SECTION G - MEDIAN EMBENDMENT DETAIL
SINGLE SLOPE CONCRETE BARRIER (PRECAST)
I-5 SB TO 71ST ST OFF-RAMP

NOT TO SCALE



CROSS SECTION I - MEDIAN EMBENDMENT DETAIL
I-5 SB TO 71ST ST OFF-RAMP

NOT TO SCALE



CROSS SECTION H - MEDIAN EMBENDMENT DETAIL
NEW IMPACT ATTENUATOR
I-5 SB TO 71ST ST OFF-RAMP
NOT TO SCALE

CONSTRUCTION NOTES:

1. ROADWAY EXCAVATION
2. CRUSHED SURFACE BASED COURSE
3. HMA FOR PAVEMENT REPAIR CL. 1/2 IN. PG 58H-22
4. SELECT BORROW (INCL. HAUL)
5. IMPACT ATTENUATOR FOUNDATION
6. PLANING BITUMINOUS PAVEMENT

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\04_XL6411_PS_BD.dgn			
TIME	8:17:11 AM			
DATE	6/29/2023			
PLOTTED BY	SanetoZ			
DESIGNED BY	Z. SANETO			
ENTERED BY	Z. SANETO			
CHECKED BY	N. MENZEL			
PROJ. ENGR.	A. EMERSON			
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22A023		
CONTRACT NO.		LOCATION NO.

JEFFERY A. DAVIES, STATE OF WASHINGTON, 53724, REGISTERED PROFESSIONAL ENGINEER

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US 2 ET AL.
NWR BREAKAWAY CABLE
TERMINAL REPLACEMENT 21-23

BARRIER DETAILS

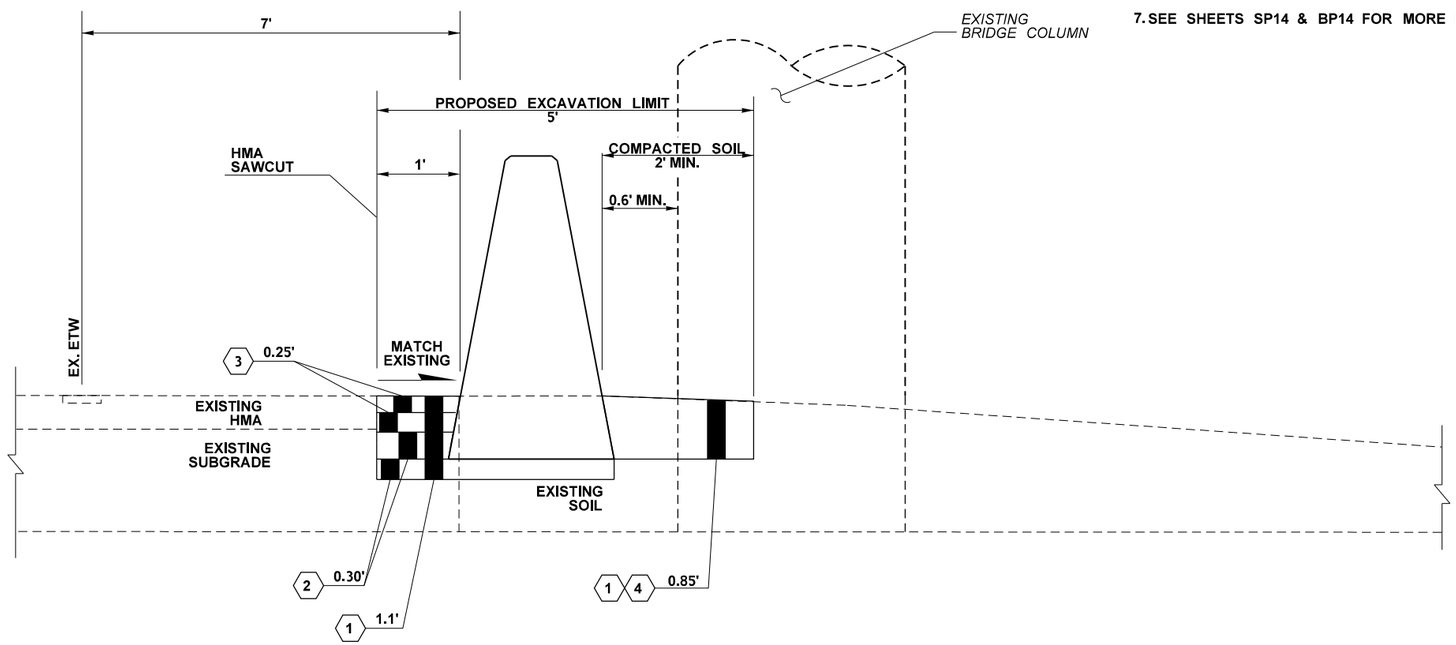
Plot 4

PLAN REF NO BD5

SHEET 60 OF 134 SHEETS

NOTES:

1. ALL DEPTHS SHOWN ARE COMPACTED DEPTHS.
2. DIMENSIONS SHOWN ARE FOR INFORMATION ONLY. THE CONTRACTOR SHALL VERIFY DIMENSIONS PRIOR TO PLACEMENT OF BARRIER.
3. THE SELECT BORROW SHALL BE COMPACTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
4. PLEASE SEE SHEET MD9 FOR INSTALLATION OF THE CONCRETE PAD THAT THE IMPACT ATTENUATOR WILL BE INSTALLED ON.
5. ROADWAY EXCAVATION AND CRUSHED SURFACE BASED COURSE WILL HAPPEN AROUND THE COLUMN.
6. REMOVAL AND PROPOSED DEPTHS ARE MINIMUM AND ACTUAL DEPTHS ENCOUNTERED MAY VARY.
7. SEE SHEETS SP14 & BP14 FOR MORE INFORMATION.



CROSS SECTION J - CROSS SECTION DETAIL
SINGLE SLOPE CONC. BARRIER
I-405 NB TO SR 520 WB RAMP, MP 0.28
NOT TO SCALE

CONSTRUCTION NOTES:

1. ROADWAY EXCAVATION
2. CRUSHED SURFACE BASED COURSE
3. HMA FOR PAVEMENT REPAIR CL. 1/2 IN. PG 58H-22
4. SELECT BORROW (INCL. HAUL)
5. IMPACT ATTENUATOR FOUNDATION
6. PLANING BITUMINOUS PAVEMENT

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\04_XL6411_PS_BD.dgn					
TIME	8:17:11 AM				REGION NO. 10	STATE WASH
DATE	6/29/2023					FED.AID PROJ.NO.
PLOTTED BY	SanetoZ				JOB NUMBER 22A023	
DESIGNED BY	Z. SANETO					
ENTERED BY	Z. SANETO					
CHECKED BY	N. MENZEL				CONTRACT NO.	LOCATION NO.
PROJ. ENGR.	A. EMERSON					
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY		

JEFFERY A. DAVIES, STATE OF WASHINGTON, 53724, REGISTERED PROFESSIONAL ENGINEER

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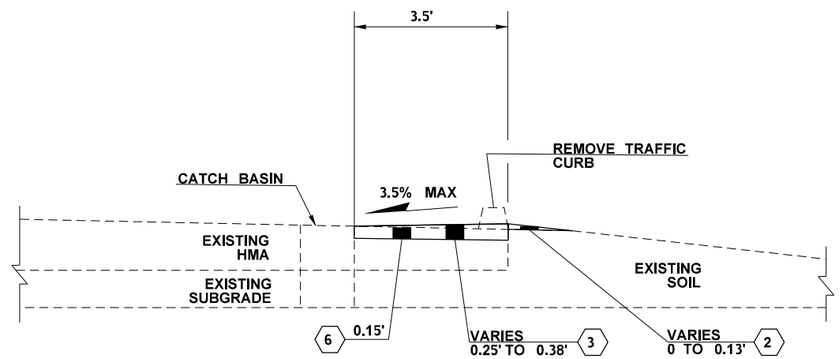
US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

BARRIER DETAILS

Plot 5
PLAN REF NO BD6
SHEET 61 OF 134 SHEETS

NOTES:

1. ALL DEPTHS SHOWN ARE COMPACTED DEPTHS.
2. DIMENSIONS SHOWN ARE FOR INFORMATION ONLY. THE CONTRACTOR SHALL VERIFY DIMENSIONS PRIOR TO PLACEMENT OF BARRIER.
3. DON'T DISTURB PAVEMENT MARKINGS.
4. HMA SAWCUT AT THE EDGE OF THE CATCH BASIN.
5. SEE SHEETS SP20 & BP20 FOR MORE INFORMATION.
6. REMOVAL AND PROPOSED DEPTHS ARE MINIMUM AND ACTUAL DEPTHS ENCOUNTERED MAY VARY.



CROSS SECTION K - CROSS SECTION DETAIL
COMMERCIAL HMA
SR 527 TO I-405 NB ON-RAMP

NOT TO SCALE

CONSTRUCTION NOTES:

1. ROADWAY EXCAVATION
2. CRUSHED SURFACE BASED COURSE
3. HMA FOR PAVEMENT REPAIR CL. 1/2 IN. PG 58H-22
4. SELECT BORROW (INCL. HAUL)
5. IMPACT ATTENUATOR FOUNDATION
6. PLANING BITUMINOUS PAVEMENT

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\04_XL6411_PS_BD.dgn						
TIME	8:17:10 AM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	6/29/2023						
PLOTTED BY	SanetoZ				JOB NUMBER 22A023		
DESIGNED BY	Z. SANETO						
ENTERED BY	Z. SANETO				CONTRACT NO.		LOCATION NO.
CHECKED BY	N. MENZEL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

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NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

BARRIER DETAILS

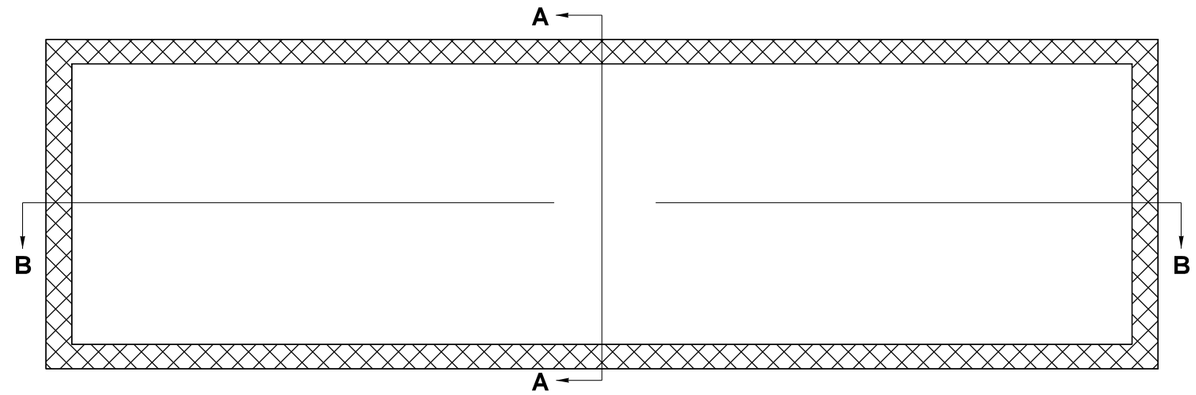
Plot 8

PLAN REF NO BD7

SHEET 62 OF 134 SHEETS

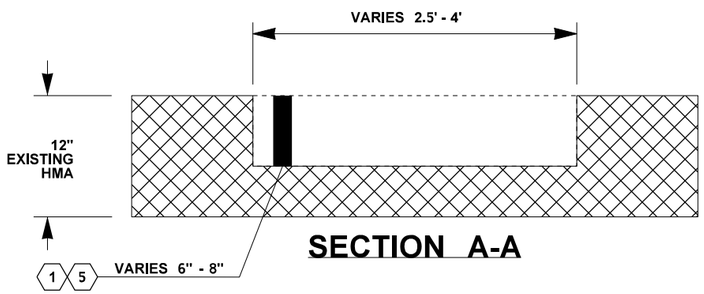
NOTES:

1. ATTENUATOR FOUNDATION DETAILS ARE PROVIDED FOR INFORMATION ONLY. ACTUAL FOUNDATION DESIGNS MAY DIFFER FROM THESE DETAILS. CONCRETE FOUNDATIONS FOR IMPACT ATTENUATORS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

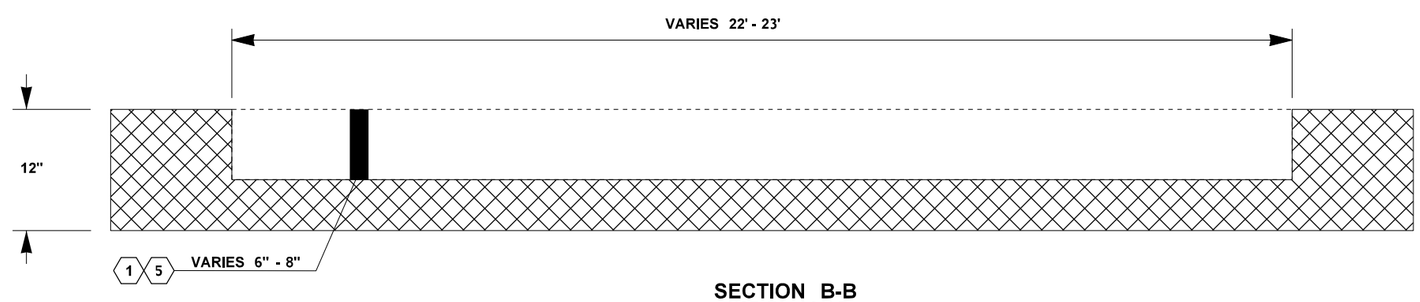


DETAIL A - ATTENUATOR EXCAVATION DETAIL

NOT TO SCALE



SECTION A-A



SECTION B-B

NOT TO SCALE

CONSTRUCTION NOTES:

1. ROADWAY EXCAVATION
2. CRUSHED SURFACE BASED COURSE
3. HMA FOR PAVEMENT REPAIR CL. 1/2 IN. PG 58H-22
4. SELECT BORROW (INCL. HAUL)
5. IMPACT ATTENUATOR FOUNDATION
6. PLANING BITUMINOUS PAVEMENT

ATTENUATOR EXCAVATION DETAILS

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\04_XL6411_PS_BD.dgn						
TIME	8:17:10 AM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	6/29/2023						
PLOTTED BY	SanetoZ						
DESIGNED BY	Z. SANETO				JOB NUMBER 22A023		
ENTERED BY	Z. SANETO						
CHECKED BY	N. MENZEL				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

JEFFERY A. DAVIES, STATE OF WASHINGTON, 33724, REGISTERED PROFESSIONAL ENGINEER

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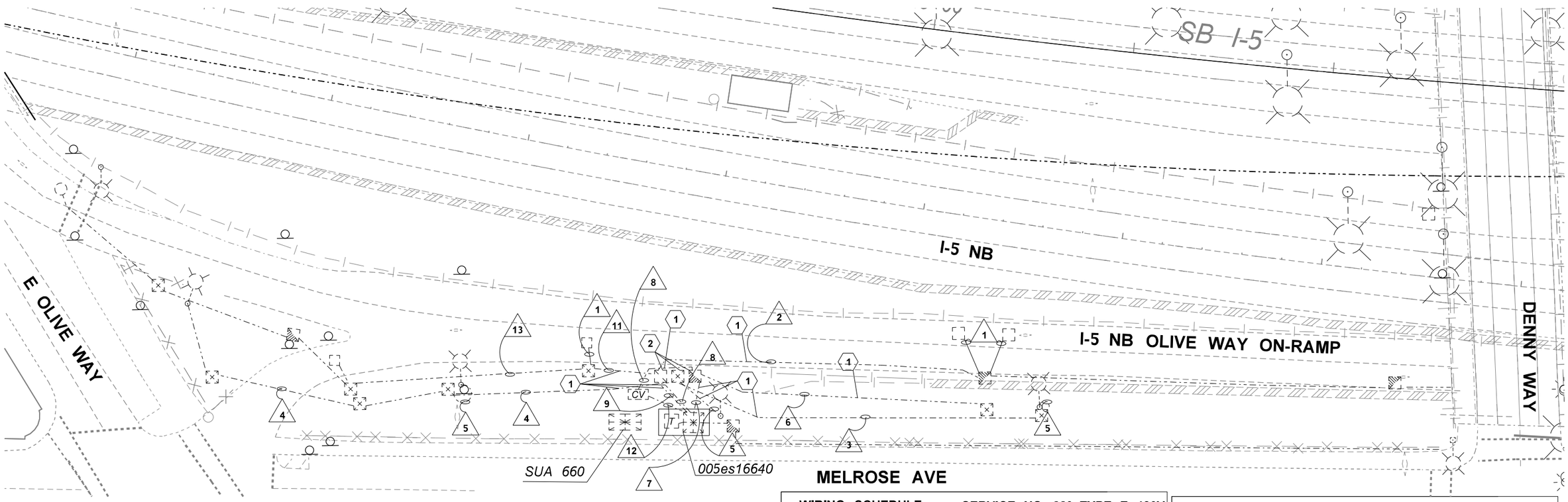
NWR BREAKAWAY CABLE
TERMINAL REPLACEMENT 21-23

BARRIER DETAILS

Plot 9

PLAN REF NO BD8

SHEET 63 OF 134 SHEETS



WIRING SCHEDULE SERVICE NO. 660 TYPE E 480V

NO.	CONDUIT SIZE	CONDUCTORS EXISTING	CONDUCTORS NEW	CIRCUIT	COMMENTS
1		2 #14			ITS
2	EX 2.5"	2-5C			ITS
		9-2C (SH)			ITS
3	EX 2"	4 #6		10, 13BC	ITS, LIGHTING
4	EX 2"	2 #8		13BC	LIGHTING
5	EX 1"	2 #8		13BC	LIGHTING
6	EX 2.5"	11-2C (SH)			ITS
		1-48 SMFO			ITS
7	EX 1"	3-2C (SH)			ITS
	EX 3"	6-2C (SH)			ITS
		3-2C (SH)			ITS
8	EX 2"	1-48 SMFO			DISTRIBUTION FIBER
9	EX 2"				EMPTY
10	EX 3"	4-5C			ITS
	EX 3"	14-2C(SH)			ITS

WIRING SCHEDULE CONT. SERVICE NO. 660 TYPE E 480V

NO.	CONDUIT SIZE	CONDUCTORS EXISTING	CONDUCTORS NEW	CIRCUIT	COMMENTS
11	EX 2.5"	2-5C			ITS
		3-2C (SH)			ITS
12	EX 2"	1-24 PPP			ITS
13	EX 2"	2-5C			ITS
		3-2C (SH)			ITS

LEGEND

EXISTING

- TYPE 1 JUNCTION BOX
- TYPE 2 JUNCTION BOX
- TYPE 3 JUNCTION BOX
- TYPE 4 JUNCTION BOX
- TYPE 5 JUNCTION BOX
- TYPE 7 JUNCTION BOX
- TYPE 8 JUNCTION BOX
- PED PUSH BUTTON
- RAMP METER SIGNAL
- SIGNAL STANDARD
- ADVANCE DETECTION LOOP
- CV — CABLE VAULT

EXISTING

- PB — PULL BOX
- TC — TERMINAL CABINET
- CONDUIT
- CONTROLLER CABINET
- ELECTRICAL SERVICE CABINET
- TSP — TRANSIT SUPPLY POWER
- SIGN
- ? — WIRE NOTE
- ? — CONSTURCTION NOTE

CONSTRUCTION NOTES:

1. PROTECT AND PRESERVE EXISTING CONDUIT.
2. PROTECT AND PRESERVE EXISTING JUNCTION BOX.

GENERAL NOTES:
PROTECT IN PLACE EXISTING ELECTRICAL AND ITS EQUIPMENT

I-5, Q1 16662, MP 0.11, I, RT

0 25 50
SCALE IN FEET

FILE NAME	T:\414121\Traffic Design_PROJECTS\Varies\XL 6411 NWR Breakaway Cable Terminal Replacement\CAD\XL6411_PS_ITS.dgn
TIME	3:56:05 PM
DATE	6/21/2023
PLOTTED BY	yipg
DESIGNED BY	G. YIP
ENTERED BY	G. YIP
CHECKED BY	C. WOO
PROJ. ENGR.	A. EMERSON
REGIONAL ADM.	B. NIELSEN

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO.

JOB NUMBER 22A023

CONTRACT NO. | LOCATION NO.

DUKE HULDO — STATE OF WASHINGTON — 31740 — REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1

DATE

P.E. STAMP BOX

DATE

P.E. STAMP BOX

Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

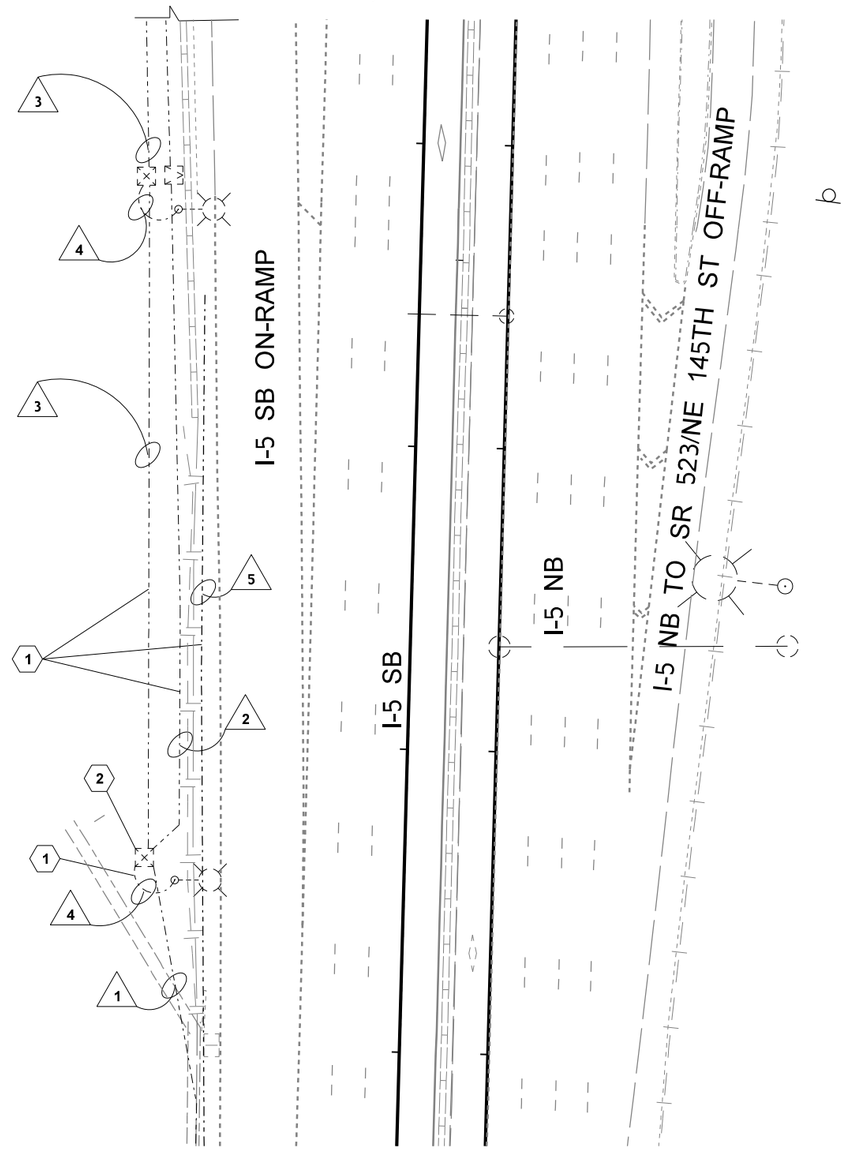
ILLUMINATION PLAN

Plot 1

PLAN REF NO IL1

SHEET 64 OF 134 SHEETS

TO SUA 675 on I-5 OFF-RAMP BY 5TH AVE INTERSECTION, 950 FT AWAY



WIRING SCHEDULE				SERVICE NO. 675 TYPE E 240/480V	
NO.	CONDUIT SIZE	CONDUCTORS EXISTING	CONDUCTORS NEW	CIRCUIT	COMMENTS
1	1 1/4"	2 #8		1	ILLUMINATION
2	1 1/4"	2 #8		1	ILLUMINATION
3	1"	2 #8		1	ILLUMINATION
4	1"	2 #8		1	ILLUMINATION
5	4"	1-25 TWP			VOICE/DATA DISTRIBUTION
		1-24 MMFD			VIDEO DISTRIBUTION
	4"	1-96 SMFO			MAINLINE COMMUNICATION

GENERAL NOTES:
1. FOR CONSTRUCTION NOTES AND LEGEND, SEE SHEET IL1
2. PROTECT IN PLACE EXISTING ELECTRICAL AND ITS EQUIPMENT

I-5 S1 17414 MP 0.28, D, RT

0 25 50
SCALE IN FEET

FILE NAME	T:\414121\Traffic Design_PROJECTS\Varies\XL 6411 NWR Breakaway Cable Terminal Replacement\CAD\XL6411_PS_ITS.dgn
TIME	3:56:10 PM
DATE	6/21/2023
PLOTTED BY	yipg
DESIGNED BY	G. YIP
ENTERED BY	G. YIP
CHECKED BY	C. WOO
PROJ. ENGR.	A. EMERSON
REGIONAL ADM.	B. NIELSEN

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO.
JOB NUMBER 22A023
CONTRACT NO. | LOCATION NO.

DUKE HUU DO, STATE OF WASHINGTON, 31740, REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

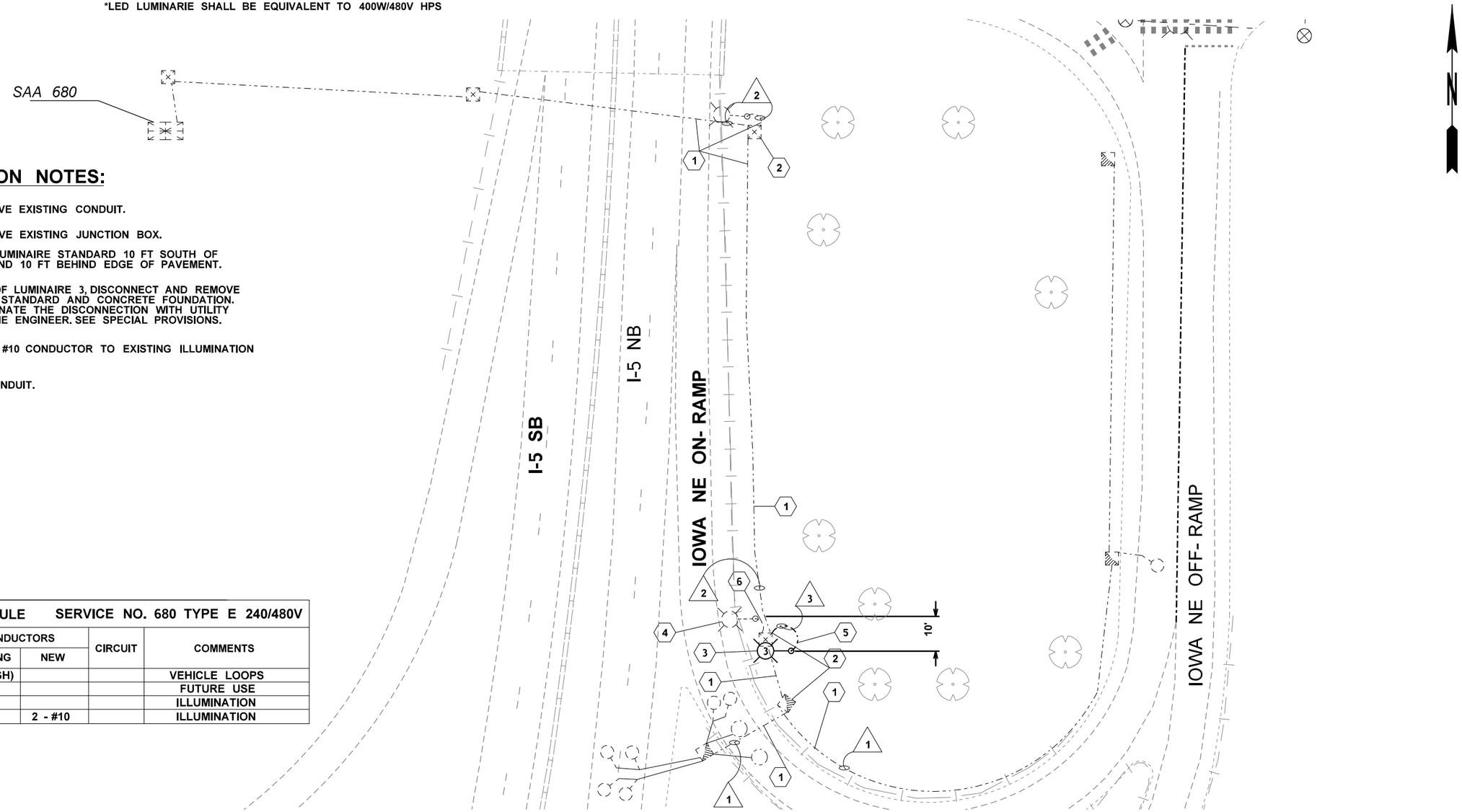
US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

ILLUMINATION PLAN

Plot 25
PLAN REF NO IL2
SHEET 65 OF 134 SHEETS

LUMINAIRE SCHEDULE					SERVICE NO. SAA 680 240/480V			
LUMINAIRE NUMBER	CIRCUIT	LOCATION		TYPE - DISTRIBUTION - WATTAGE	MAST ARM	H1	BASE TYPE	COMMENTS
		STATION	OFFSET					
3	A	00+00	0.00	LED* (400W HPS EQUIVALENT)	16	40'	SLIP	TYPE B FOUNDATION

*LED LUMINARIE SHALL BE EQUIVALENT TO 400W/480V HPS



CONSTRUCTION NOTES:

1. PROTECT AND PRESERVE EXISTING CONDUIT.
2. PROTECT AND PRESERVE EXISTING JUNCTION BOX.
3. INSTALL NEW STEEL LUMINAIRE STANDARD 10 FT SOUTH OF EXISTING LUMINAIRE AND 10 FT BEHIND EDGE OF PAVEMENT.
4. AFTER INSTALLATION OF LUMINAIRE 3, DISCONNECT AND REMOVE EXISTING STEEL LIGHT STANDARD AND CONCRETE FOUNDATION. BACKFILL VOID. COORDINATE THE DISCONNECTION WITH UTILITY COMPANY THROUGH THE ENGINEER. SEE SPECIAL PROVISIONS.
5. CUT AND SPLICE NEW #10 CONDUCTOR TO EXISTING ILLUMINATION CIRCUIT.
6. ABANDON EXISTING CONDUIT.

WIRING SCHEDULE			SERVICE NO. 680 TYPE E 240/480V		
△ NO.	CONDUIT SIZE	CONDUCTORS		CIRCUIT	COMMENTS
		EXISTING	NEW		
1		1 - 2C(SH)			VEHICLE LOOPS
	2"				FUTURE USE
2		EX			ILLUMINATION
3	1"		2 - #10		ILLUMINATION

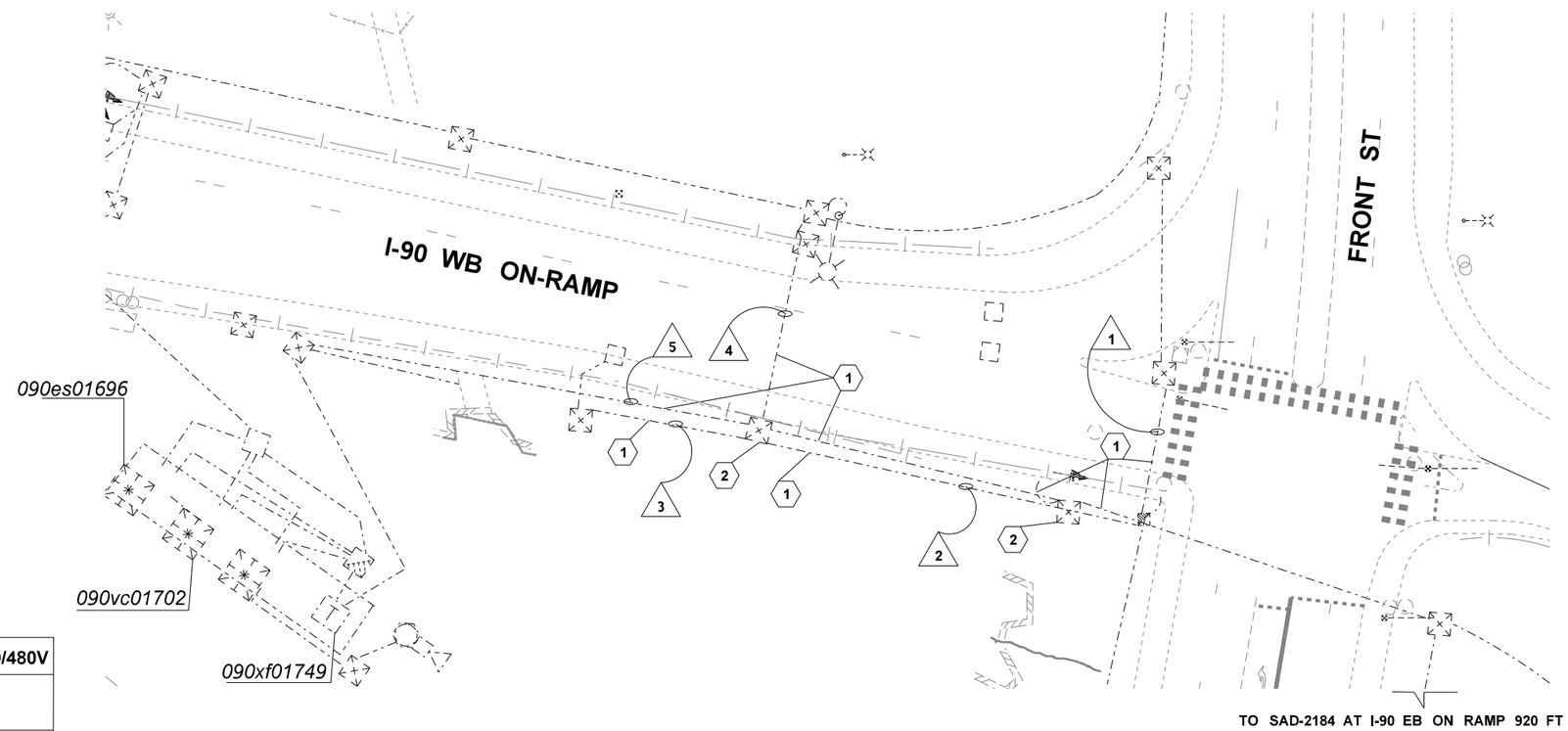
I-5 Q5 25410, MP 0.1, I, RT

0 25 50
SCALE IN FEET

GENERAL NOTES:
1. FOR CONSTRUCTION NOTES AND LEGEND, SEE SHEET IL1
2. PROTECT IN PLACE EXISTING ELECTRICAL AND ITS EQUIPMENT

FILE NAME	T:\414121\Traffic Design_PROJECTS\Varies\XL 6411 NWR Breakaway Cable Terminal Replacement\CAD\XL6411_PS_ITS.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.	Washington State Department of Transportation
TIME	3:56:17 PM				JOB NUMBER 22A023			US 2 ET AL. NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23
DATE	6/21/2023				CONTRACT NO.		LOCATION NO.	
PLOTTED BY	yipg						SEE SHEET CT1	
DESIGNED BY	G. YIP						DATE	
ENTERED BY	G. YIP						P.E. STAMP BOX	
CHECKED BY	C. WOO							
PROJ. ENGR.	A. EMERSON							
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY				ILLUMINATION PLAN

Plot 8
PLAN REF NO IL3
SHEET 66 OF 134 SHEETS



WIRING SCHEDULE		SERVICE NO. 2184 TYPE E 240/480V			
△ NO.	CONDUIT SIZE	CONDUCTORS EXISTING	CONDUCTORS NEW	CIRCUIT	COMMENTS
1	3"	7 - CS			
		2 7C			
	2"	2 #6			
	2"	7 - CS			
		2 7C			
2	1 1/2"	2 #4		B-5	LIGHTING
	1 1/2"	2 #4		B-4	ITS
3	1 1/2"	2 #4		B-4	ITS
4	1 1/2"	2 #4		B-5	LIGHTING
5		1-6 SMFO			
		1-CCC			

I-90 S1 01654, MP 0.02, I, LT

GENERAL NOTES:
1. FOR CONSTRUCTION NOTES AND LEGEND, SEE SHEET IL1
2. PROTECT IN PLACE EXISTING ELECTRICAL AND ITS EQUIPMENT

0 25 50
SCALE IN FEET

FILE NAME	T:\414121\Traffic Design_PROJECTS\Varies\XL 6411 NWR Breakaway Cable Terminal Replacement\CAD\XL6411_PS_ITS.dgn
TIME	3:56:24 PM
DATE	6/21/2023
PLOTTED BY	yipg
DESIGNED BY	G. YIP
ENTERED BY	G. YIP
CHECKED BY	C. WOO
PROJ. ENGR.	A. EMERSON
REGIONAL ADM.	B. NIELSEN

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO.
JOB NUMBER 22A023
CONTRACT NO. | LOCATION NO.

DUKE HULDO STATE OF WASHINGTON 31740 REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1
DATE
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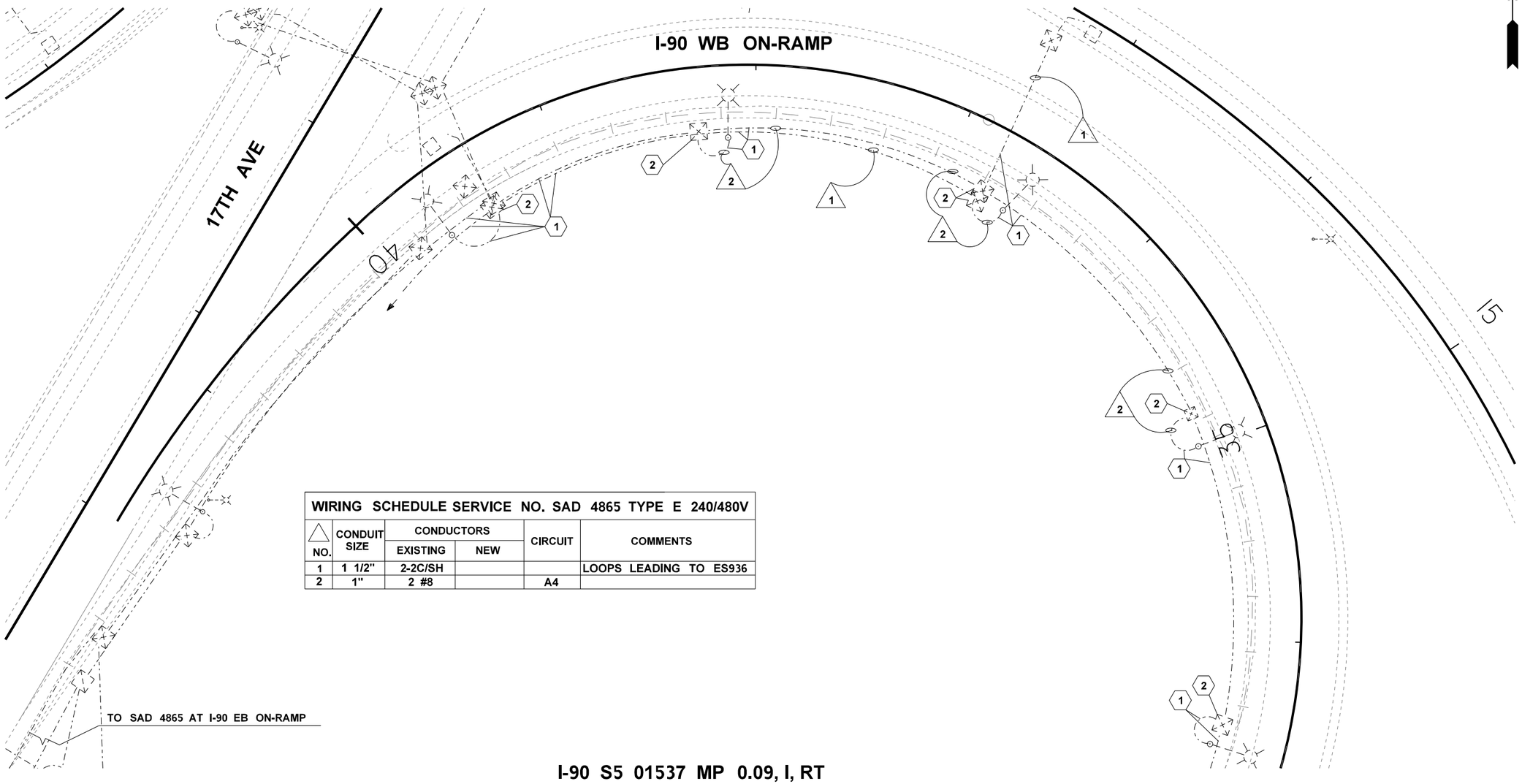
Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

ILLUMINATION PLAN

Plot 11
PLAN REF NO IL4
SHEET 67 OF 134 SHEETS



WIRING SCHEDULE SERVICE NO. SAD 4865 TYPE E 240/480V					
NO.	CONDUIT SIZE	CONDUCTORS		CIRCUIT	COMMENTS
		EXISTING	NEW		
1	1 1/2"	2-2C/SH			LOOPS LEADING TO ES936
2	1"	2 #8		A4	

I-90 S5 01537 MP 0.09, I, RT

0 25 50
SCALE IN FEET

GENERAL NOTES:
1. FOR CONSTRUCTION NOTES AND LEGEND, SEE SHEET IL1
2. PROTECT IN PLACE EXISTING ELECTRICAL AND ITS EQUIPMENT

FILE NAME	T:\414121\Traffic Design_PROJECTS\Varies\XL 6411 NWR Breakaway Cable Terminal Replacement\CAD\XL6411_PS_ITS.dgn
TIME	3:56:31 PM
DATE	6/21/2023
PLOTTED BY	yipg
DESIGNED BY	G. YIP
ENTERED BY	G. YIP
CHECKED BY	C. WOO
PROJ. ENGR.	A. EMERSON
REGIONAL ADM.	B. NIELSEN

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22A023		
CONTRACT NO.		LOCATION NO.

DEREK HULL DD
STATE OF WASHINGTON
31740
REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1
DATE
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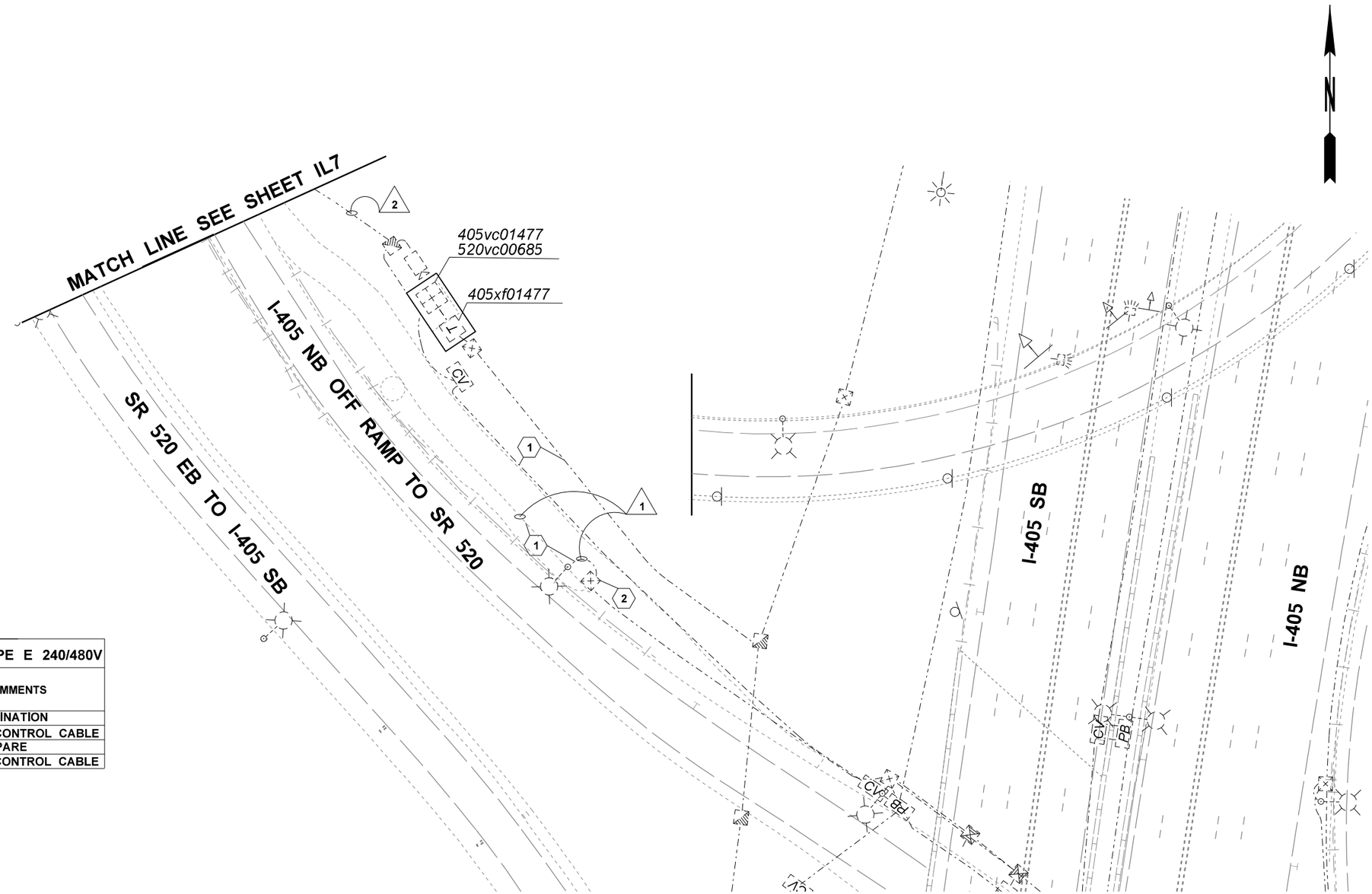
US 2 ET AL.
NWR BREAKAWAY CABLE
TERMINAL REPLACEMENT 21-23

ILLUMINATION PLAN

Plot 12
PLAN REF NO IL5
SHEET 68 OF 134 SHEETS



WIRING SCHEDULE				SERVICE NO. 894 TYPE E 240/480V	
NO.	CONDUIT SIZE	CONDUCTORS EXISTING	CONDUCTORS NEW	CIRCUIT	COMMENTS
1	1 1/4"	2 #8			ILLUMINATION
2	2"	1-CCC			CAMERA CONTROL CABLE
	2"				SPARE
3	2"	1-CCC			CAMERA CONTROL CABLE

I-405 P3 01406, MP 0.27-0.4 I, RT AND LT

0 25 50
SCALE IN FEET

GENERAL NOTES:
1. FOR CONSTRUCTION NOTES AND LEGEND, SEE SHEET IL1
2. PROTECT IN PLACE EXISTING ELECTRICAL AND ITS EQUIPMENT

FILE NAME	T:\414121\Traffic Design_PROJECTS\Varies\XL 6411 NWR Breakaway Cable Terminal Replacement\CAD\XL6411_PS_ITS.dgn						
TIME	3:56:38 PM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	6/21/2023						
PLOTTED BY	yipg						
DESIGNED BY	G. YIP				JOB NUMBER 22A023		
ENTERED BY	G. YIP						
CHECKED BY	C. WOO				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

DUKE HUU DO STATE OF WASHINGTON 31740 REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1
DATE
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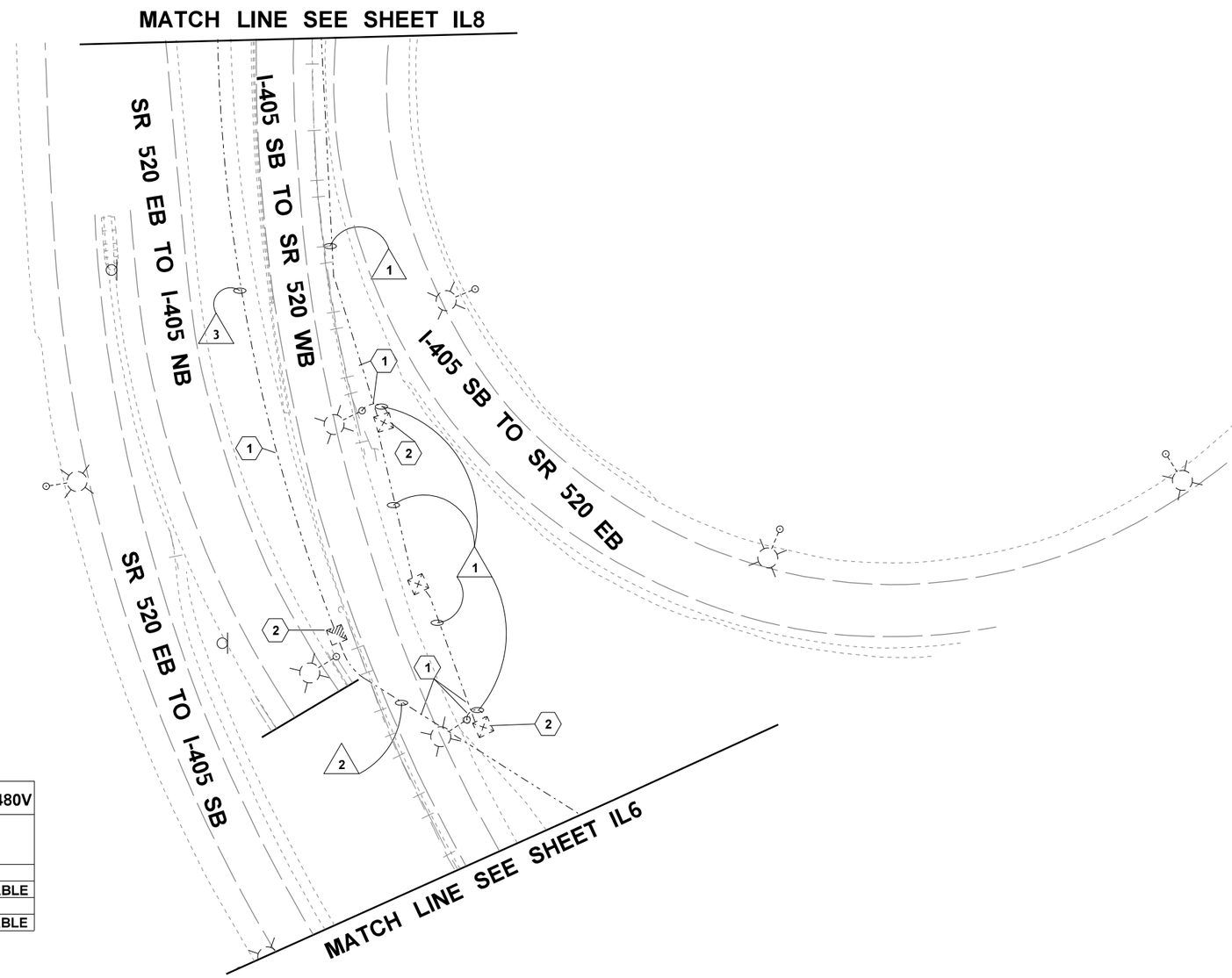
Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

ILLUMINATION PLAN

Plot 13
PLAN REF NO IL6
SHEET 69 OF 134 SHEETS



WIRING SCHEDULE				SERVICE NO. 894 TYPE E 240/480V	
NO.	CONDUIT SIZE	CONDUCTORS EXISTING	CONDUCTORS NEW	CIRCUIT	COMMENTS
1	1 1/4"	2 #8			ILLUMINATION
2	2"	1-CCC			CAMERA CONTROL CABLE
	2"				SPARE
3	2"	1-CCC			CAMERA CONTROL CABLE

GENERAL NOTES:
1. FOR CONSTRUCTION NOTES AND LEGEND, SEE SHEET IL1
2. PROTECT IN PLACE EXISTING ELECTRICAL AND ITS EQUIPMENT

I-405 P3 01406, MP 0.27-0.4 I, RT AND LT

0 25 50
SCALE IN FEET

FILE NAME	T:\414121\Traffic Design_PROJECTS\Varies\XL 6411 NWR Breakaway Cable Terminal Replacement\CAD\XL6411_PS_ITS.dgn
TIME	3:56:45 PM
DATE	6/21/2023
PLOTTED BY	yipg
DESIGNED BY	G. YIP
ENTERED BY	G. YIP
CHECKED BY	C. WOO
PROJ. ENGR.	A. EMERSON
REGIONAL ADM.	B. NIELSEN

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO.
JOB NUMBER 22A023
CONTRACT NO. | LOCATION NO.

DUKE HUU DO STATE OF WASHINGTON 31740 REGISTERED PROFESSIONAL ENGINEER
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DATE
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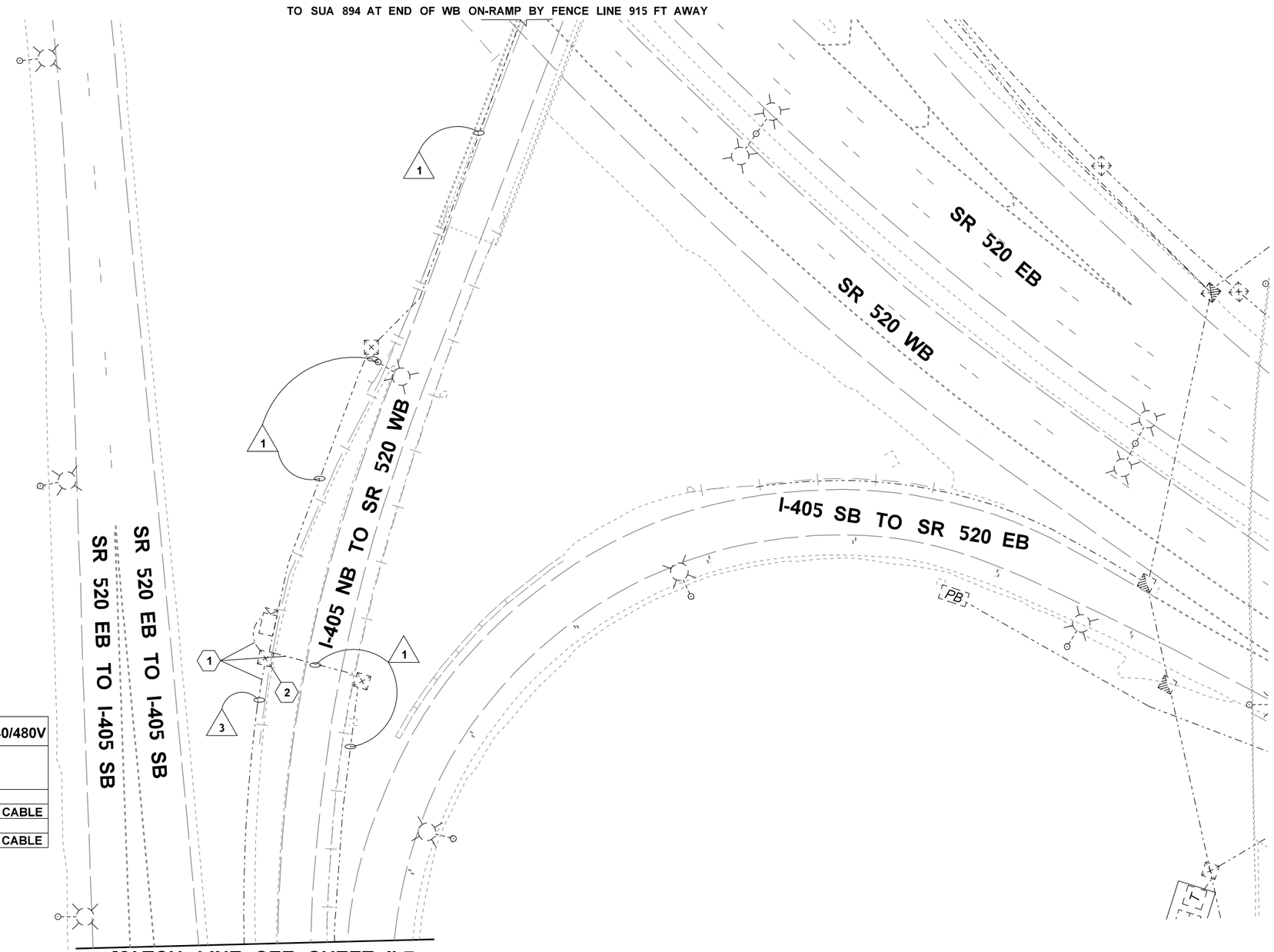
Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE
TERMINAL REPLACEMENT 21-23

ILLUMINATION PLAN

Plot 14
PLAN REF NO IL7
SHEET 70 OF 134 SHEETS



WIRING SCHEDULE		SERVICE NO. 894 TYPE E 240/480V			
NO.	CONDUIT SIZE	CONDUCTORS		CIRCUIT	COMMENTS
		EXISTING	NEW		
1	1 1/4"	2 #8			ILLUMINATION
2	2"	1-CCC			CAMERA CONTROL CABLE
	2"				SPARE
3	2"	1-CCC			CAMERA CONTROL CABLE

I-405 P3 01406, MP 0.27-0.4 I, RT AND LT

0 25 50
SCALE IN FEET

GENERAL NOTES:
1. FOR CONSTRUCTION NOTES AND LEGEND, SEE SHEET IL1
2. PROTECT IN PLACE EXISTING ELECTRICAL AND ITS EQUIPMENT

FILE NAME	T:\414121\Traffic Design_PROJECTS\Varies\XL 6411 NWR Breakaway Cable Terminal Replacement\CAD\XL6411_PS_ITS.dgn				
TIME	3:56:53 PM				
DATE	6/21/2023				
PLOTTED BY	yipg				
DESIGNED BY	G. YIP				
ENTERED BY	G. YIP				
CHECKED BY	C. WOO				
PROJ. ENGR.	A. EMERSON				
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY	

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22A023		
CONTRACT NO.		LOCATION NO.

STATE OF WASHINGTON DUKE HULL DO 31740 REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
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DATE
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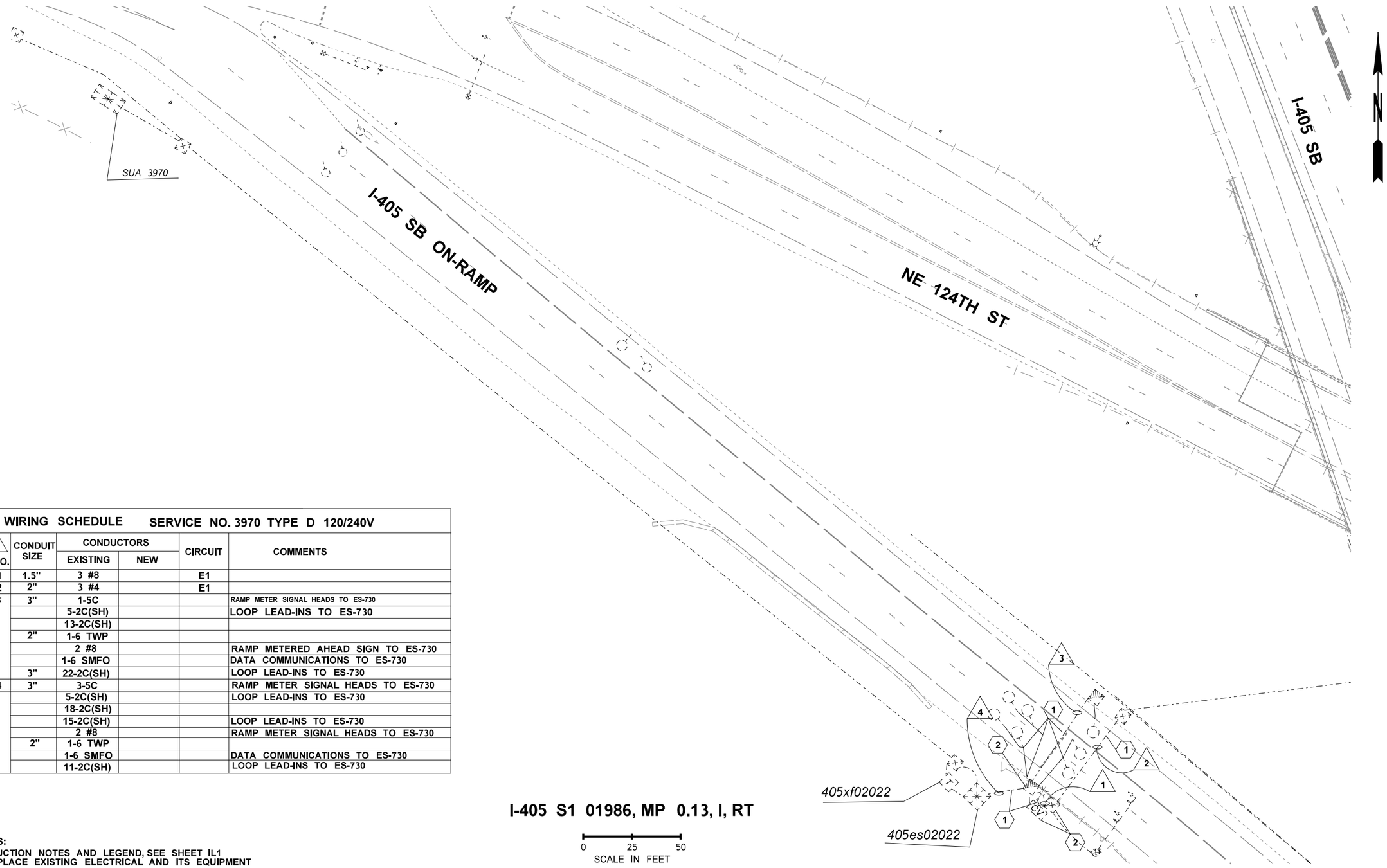
Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE
TERMINAL REPLACEMENT 21-23

ILLUMINATION PLAN

Plot 15
PLAN REF NO
IL8
SHEET 71 OF 134 SHEETS



WIRING SCHEDULE		SERVICE NO. 3970 TYPE D 120/240V			
NO.	CONDUIT SIZE	CONDUCTORS EXISTING	CONDUCTORS NEW	CIRCUIT	COMMENTS
1	1.5"	3 #8		E1	
2	2"	3 #4		E1	
3	3"	1-5C			RAMP METER SIGNAL HEADS TO ES-730
		5-2C(SH)			LOOP LEAD-INS TO ES-730
		13-2C(SH)			
	2"	1-6 TWP			
		2 #8			RAMP METERED AHEAD SIGN TO ES-730
		1-6 SMFO			DATA COMMUNICATIONS TO ES-730
	3"	22-2C(SH)			LOOP LEAD-INS TO ES-730
4	3"	3-5C			RAMP METER SIGNAL HEADS TO ES-730
		5-2C(SH)			LOOP LEAD-INS TO ES-730
		18-2C(SH)			
		15-2C(SH)			LOOP LEAD-INS TO ES-730
		2 #8			RAMP METER SIGNAL HEADS TO ES-730
	2"	1-6 TWP			
		1-6 SMFO			DATA COMMUNICATIONS TO ES-730
		11-2C(SH)			LOOP LEAD-INS TO ES-730

I-405 S1 01986, MP 0.13, I, RT

0 25 50
SCALE IN FEET

GENERAL NOTES:
1. FOR CONSTRUCTION NOTES AND LEGEND, SEE SHEET IL1
2. PROTECT IN PLACE EXISTING ELECTRICAL AND ITS EQUIPMENT

FILE NAME	T:\414121\Traffic Design_PROJECTS\Varies\XL 6411 NWR Breakaway Cable Terminal Replacement\CAD\XL6411_PS_ITS.dgn
TIME	3:57:01 PM
DATE	6/21/2023
PLOTTED BY	yipg
DESIGNED BY	G. YIP
ENTERED BY	G. YIP
CHECKED BY	C. WOO
PROJ. ENGR.	A. EMERSON
REGIONAL ADM.	B. NIELSEN

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO.
JOB NUMBER 22A023
CONTRACT NO. | LOCATION NO.

DUKE HUU DO STATE OF WASHINGTON 31740 REGISTERED PROFESSIONAL ENGINEER
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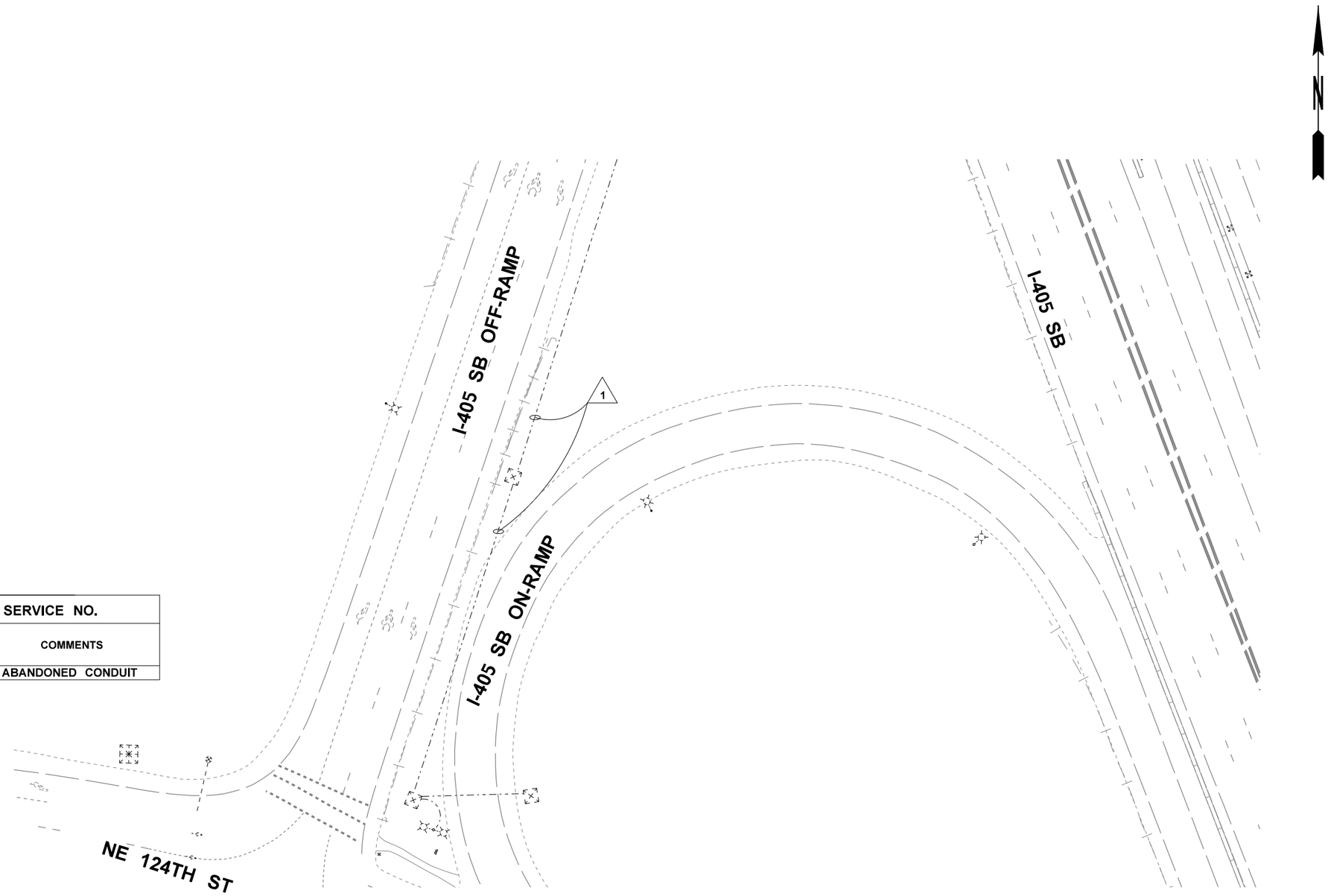
Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE
TERMINAL REPLACEMENT 21-23

ILLUMINATION PLAN

Plot 20
PLAN REF NO IL9
SHEET 72 OF 134 SHEETS



WIRING SCHEDULE					SERVICE NO.
NO.	CONDUIT SIZE	CONDUCTORS EXISTING	CONDUCTORS NEW	CIRCUIT	COMMENTS
1					ABANDONED CONDUIT

I-405 R1 02065, MP 0.14, I, LT

0 25 50
SCALE IN FEET

GENERAL NOTES:
1. FOR CONSTRUCTION NOTES AND LEGEND, SEE SHEET IL1
2. PROTECT IN PLACE EXISTING ELECTRICAL AND ITS EQUIPMENT

FILE NAME	T:\414121\Traffic Design_PROJECTS\Varies\XL 6411 NWR Breakaway Cable Terminal Replacement\CAD\XL6411_PS_ITS.dgn
TIME	3:57:10 PM
DATE	6/21/2023
PLOTTED BY	yipg
DESIGNED BY	G. YIP
ENTERED BY	G. YIP
CHECKED BY	C. WOO
PROJ. ENGR.	A. EMERSON
REGIONAL ADM.	B. NIELSEN

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO.
JOB NUMBER 22A023
CONTRACT NO. | LOCATION NO.

DUKE HUU DO STATE OF WASHINGTON 31740 REGISTERED PROFESSIONAL ENGINEER
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DATE
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DATE
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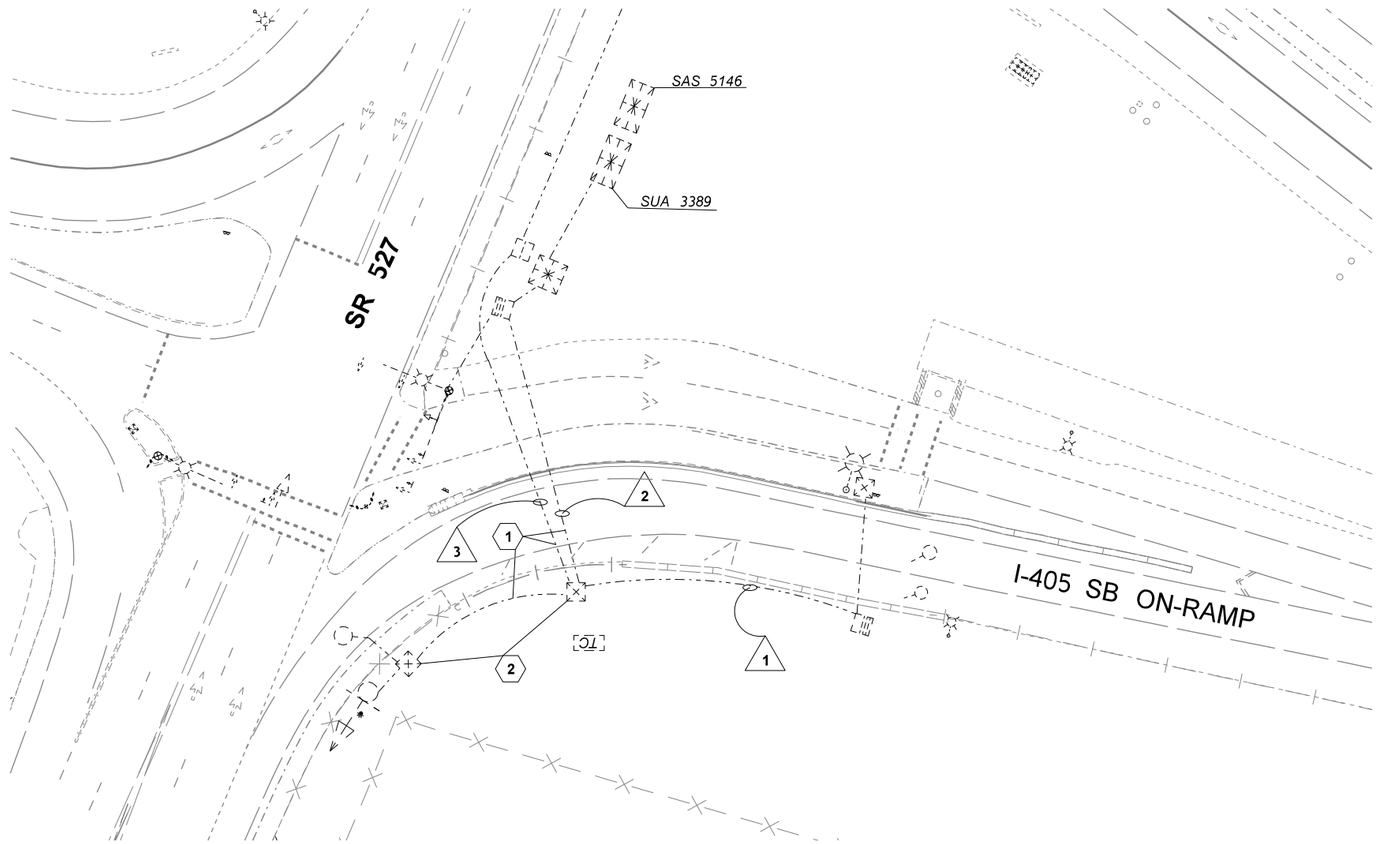
Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

ILLUMINATION PLAN

Plot 19
PLAN REF NO IL10
SHEET 73 OF 134 SHEETS



WIRING SCHEDULE SERVICE NO. 3389 TYPE E 240/480V					
NO.	CONDUIT SIZE	CONDUCTORS		CIRCUIT	COMMENTS
		EXISTING	NEW		
1	2"	1-2C			ADVANCED SIGN FLASHER
2	2" RGS	3-2C(S)			
3	2" RGS	6 TWP			

I-405 S1 02630, MP 0.03, I, RT

0 25 50
SCALE IN FEET

GENERAL NOTES:
1. FOR CONSTRUCTION NOTES AND LEGEND, SEE SHEET IL1
2. PROTECT IN PLACE EXISTING ELECTRICAL AND ITS EQUIPMENT

FILE NAME	T:\414121\Traffic Design_PROJECTS\Varies\XL 6411 NWR Breakaway Cable Terminal Replacement\CAD\XL6411_PS_ITS.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	3:57:18 PM				10	WASH	
DATE	6/21/2023				JOB NUMBER		
PLOTTED BY	yipg				22A023		
DESIGNED BY	G. YIP				CONTRACT NO.		LOCATION NO.
ENTERED BY	G. YIP						
CHECKED BY	C. WOO						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

DUKE HULL DO
STATE OF WASHINGTON
31740
REGISTERED
PROFESSIONAL ENGINEER
SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
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Washington State
Department of Transportation

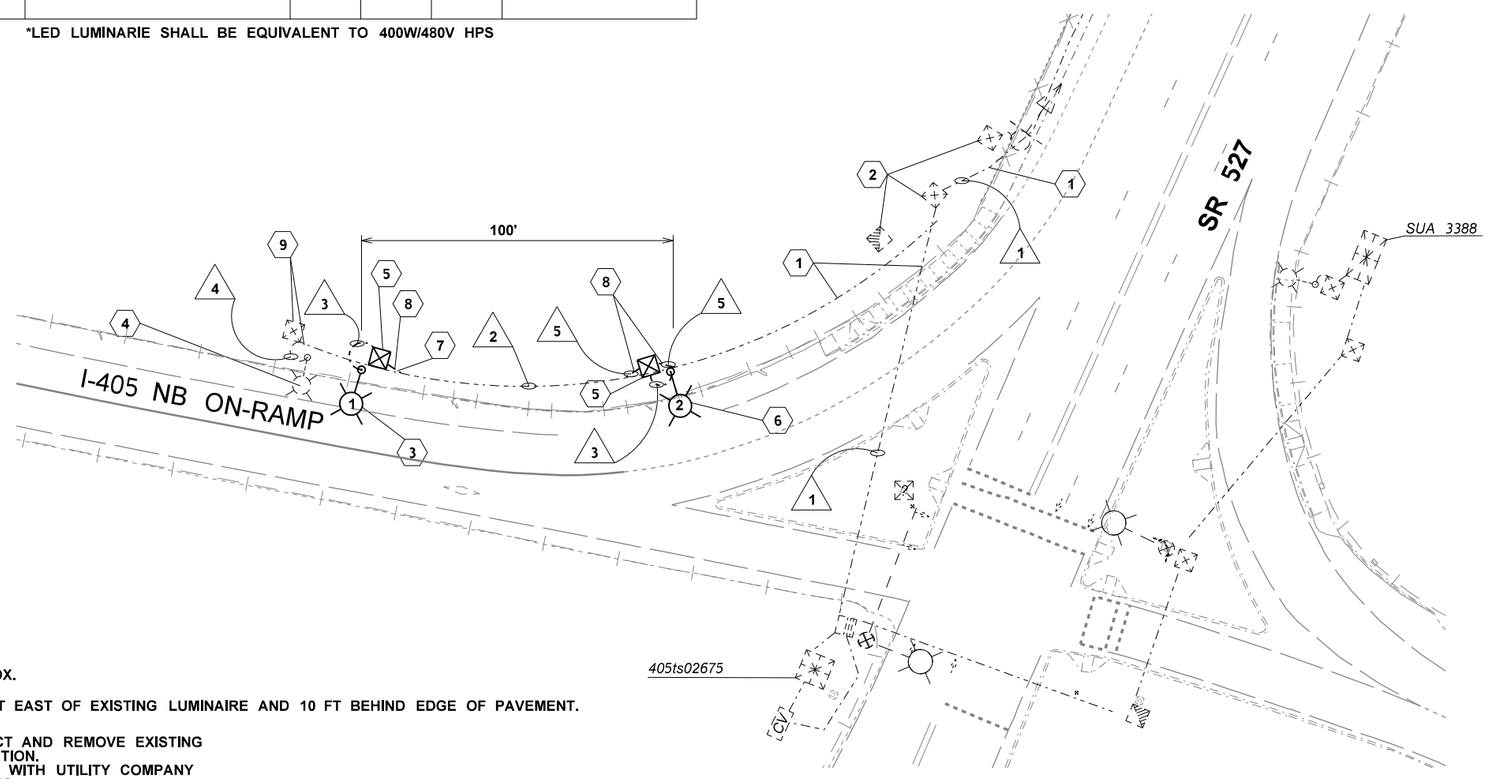
US 2 ET AL.
NWR BREAKAWAY CABLE
TERMINAL REPLACEMENT 21-23

ILLUMINATION PLAN

Plot 17
PLAN REF NO
IL11
SHEET 74 OF 134 SHEETS

LUMINAIRE SCHEDULE					SERVICE NO. SUA 3388 240/480V			
LUMINAIRE NUMBER	CIRCUIT	LOCATION STATION	LOCATION OFFSET	TYPE - DISTRIBUTION - WATTAGE	MAST ARM	H1	BASE TYPE	COMMENTS
1	A	00+00	0.00	LED* (400W HPS EQUIVALENT)	16	40'	SLIP	TYPE B FOUNDATION
2	A			LED* (400W HPS EQUIVALENT)	16'	40'	SLIP	TYPE B FOUNDATION

*LED LUMINARIE SHALL BE EQUIVALENT TO 400W/480V HPS



CONSTRUCTION NOTES:

1. PROTECT AND PRESERVE EXISTING CONDUIT.
2. PROTECT AND PRESERVE EXISTING JUNCTION BOX.
3. INSTALL NEW STEEL LUMINAIRE STANDARD 10 FT EAST OF EXISTING LUMINAIRE AND 10 FT BEHIND EDGE OF PAVEMENT.
4. AFTER INSTALLATION OF LUMINARIE 1, DISCONNECT AND REMOVE EXISTING STEEL LIGHT STANDARD AND CONCRETE FOUNDATION. BACKFILL VOID. COORDINATE THE DISCONNECTION WITH UTILITY COMPANY THROUGH THE ENGINEER. SEE SPECIAL PROVISIONS.
5. INSTALL NEW JUNCTION BOX WITH CONCRETE COLLAR.
6. INSTALL NEW STEEL LIGHT STANDARD 10 FT BEHIND EDGE OF PAVEMENT.
7. INTERCEPT EXSITING CONDUIT AND REROUTE TO NEW JUNCTION BOX.
8. CUT AND SPLICE NEW #10 CONDUCTOR TO EXISTING ILLUMINATION CIRCUIT.
9. ABANDON JUNCTION BOX AND EXISTING CONDUIT.

I-405 Q1 02734, MP 0.07, I, RT

0 25 50
SCALE IN FEET

GENERAL NOTES:
1. FOR CONSTRUCTION NOTES AND LEGEND, SEE SHEET IL1
2. PROTECT IN PLACE EXISTING ELECTRICAL AND ITS EQUIPMENT

WIRING SCHEDULE SERVICE NO. SUA 3388 TYPE E 240/480V					
NO.	CONDUIT SIZE	CONDUCTORS EXISTING	CONDUCTORS NEW	CIRCUIT	COMMENTS
1	1 1/2"	1-12 SMFO			VIDEO/DATA DISTRIBUTION (CITY OF BOTHELL)
		1-24 SMFO			VIDEO/DATA DISTRIBUTION
2					ILLUMINATION
3	1"		2 - #10		ILLUMINATION
4					ILLUMINATION
5	2"		2 - #8		ILLUMINATION

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TIME	3:57:25 PM				
DATE	6/21/2023				
PLOTTED BY	yipg				
DESIGNED BY	G. YIP				
ENTERED BY	G. YIP				
CHECKED BY	C. WOO				
PROJ. ENGR.	A. EMERSON				
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY	

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO.
JOB NUMBER 22A023
CONTRACT NO. | LOCATION NO.

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

ILLUMINATION PLAN

Plot 16
PLAN REF NO IL12
SHEET 75 OF 134 SHEETS

MINIMUM LANE CLOSURE TAPER LENGTH = L (feet)

LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	105	150	205	270	450	500	550	-	-	-
11	115	165	225	295	495	550	605	660	-	-
12	125	180	245	320	540	600	660	720	780	840

MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)

SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	40	40	60	90	120	130	150	160	170	190
10'	40	60	90	90	150	170	190	200	220	240
USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.										

SIGN SPACING = X (1)

FREEWAYS & EXPRESSWAYS	55 / 70 MPH	1500' ±
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS & URBAN ARTERIALS RESIDENTAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

TRAFFIC SAFETY DRUM SPACING (feet)

MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

BUFFER DATA

LONGITUDINAL BUFFER SPACE = B

SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730

TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R

HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.			HOST VEHICLE WEIGHT > 22,000 lbs.		
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH
100'	123'	172'	74'	100'	150'

PROTECTIVE VEHICLE (WORK VEHICLE) = R

NO SPECIFIED DISTANCE REQUIRED

GENERAL NOTES:

1. SEE SPECIAL PROVISIONS FOR "CONSTRUCTION UNDER TRAFFIC" FOR CLOSURE HOURS RESTRICTIONS AND OTHER TRAFFIC CONTROL REQUIREMENTS.
2. NO ENCROACHMENT ALLOWED IN TRAVELED LANE, UNLESS OTHERWISE DESIGNATED.
3. ALL SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE DESIGNATED.
4. TEMPORARY TRAFFIC CONTROL DEVICES SHALL NOT OBSTRUCT PEDESTRIAN OR BICYCLE ROUTES.
5. THE CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL LABOR TO ASSIST PEDESTRIANS THROUGH OR AROUND THE WORK ZONE. PLEASE SEE PEDESTRIAN TRAFFIC CONTROL PLAN.
6. NIGHT WORK REQUIRES ADDITIONAL ROADWAY LIGHTING AT FLAGGER STATIONS. SEE WSDOT STANDARD SPECIFICATIONS FOR ADDITIONAL INFORMATION.
7. MAINTAIN A MINIMUM OF ONE ACCESS POINT PER PROPERTY.
8. MAINTAIN A MINIMUM DISTANCE OF 2' BETWEEN WORK ZONE AND TRAFFIC CONTROL DEVICES.
9. NO MORE THAN ONE SIDEWALK CAN BE CLOSED TO PEDESTRIANS AT ANY ONE TIME.
10. MAINTAIN A MINIMUM OF 11 FEET FOR OPEN LANES WHEN RAMP NARROWING IS INDICATED ON THE TRAFFIC CONTROL PLAN.
11. MAINTAIN A MINIMUM OF 2 FEET BETWEEN TRAFFIC DRUMS AND ANY LIVE TRAFFIC LANES.
11. SEE NOTES ON SHEET BP1 FOR KEY TO DETERMINE LOCATION FOR EACH OF THE TRAFFIC CONTROL PLANS.

LEGEND

- WORK ZONE
- TRAFFIC SAFETY DRUM - SEE SPECIAL PROVISIONS
- TALL CHANNELLIZATION DEVICE
- CLASS 'B' SIGN LOCATION
- DIRECTION OF TRAVEL
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- TRANSPORTABLE ATTENUATOR
- TYPE III BARRICADE
- AFAD — AUTOMATED FLAGGER ASSISTANCE DEVICE
- SEQUENTIAL ARROW SIGNS
- UPO — UNIFORM POLICE OFFICERS
- HIGH MOUNTING 5 FT MIN CLASS 'B' SIGN LOCATION
- TEMPORARY BARRIER

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\07_XL6411_PS_TC_Typ.dgn
TIME	10:12:49 AM
DATE	6/23/2023
PLOTTED BY	KimKath
DESIGNED BY	Z. SANETO
ENTERED BY	Z. SANETO
CHECKED BY	N. MENZEL
PROJ. ENGR.	A. EMERSON
REGIONAL ADM.	B. NIELSEN

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO.

JOB NUMBER 22A023

CONTRACT NO. | LOCATION NO.

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

TRAFFIC CONTROL PLAN

Plot 1

PLAN REF NO TC1

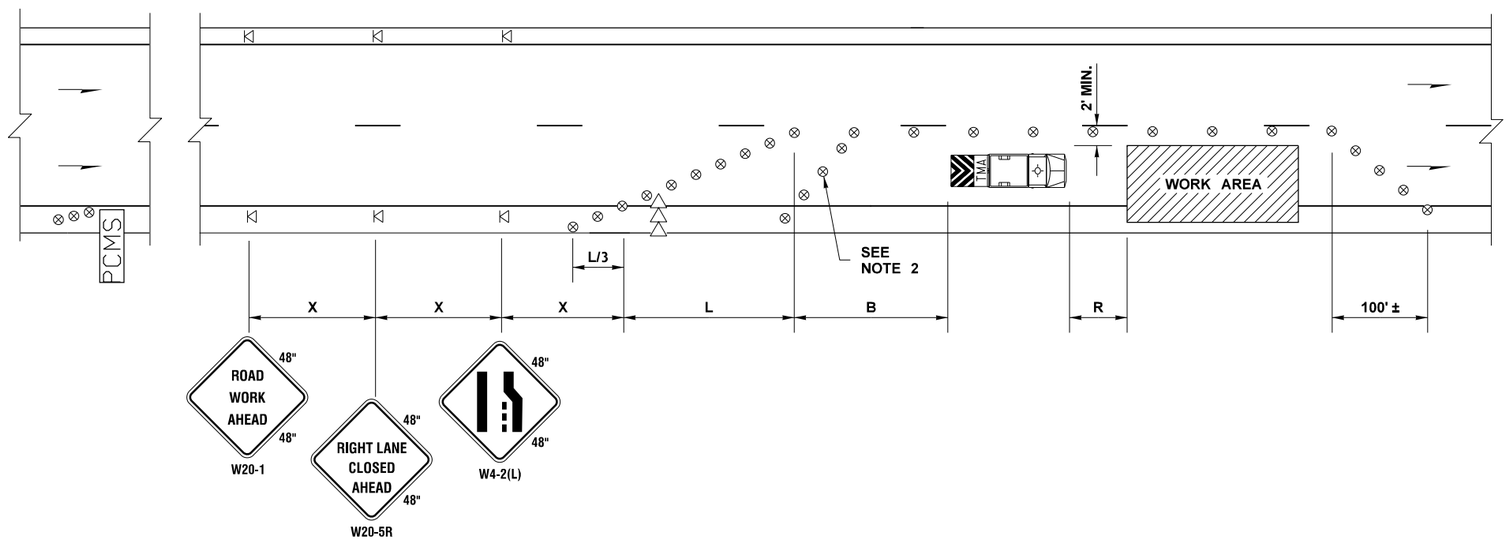
SHEET 76 OF 134 SHEETS

TABLE OF LOCATIONS

SR	ALIGNMENT	RAMP; MP	DIRECTION	SIDE	CROSS STREET
I-90	ON-RAMP	S5 01537; 0.09	WB	RT	17TH AVE NW
I-405	ON-RAMP	Q1 02734; 0.03	NB	RT	SR 527 SB TO I-405 NB

PCMS	
1	2
RIGHT LANE CLOSURE	1 MILE AHEAD
2.0 SEC	2.0 SEC

FIELD LOCATE 1 MILE ± IN ADVANCE OF LANE CLOSURE SIGNING.



RIGHT SINGLE-LANE CLOSURE FOR MULTI-LANE ROADWAYS

NOT TO SCALE

NOTES:

1. SEE SHEET TC1 FOR LEGEND, GENERAL NOTES, BUFFER DATA, SIGN SPACING, CHANNELIZATION DEVICE SPACING, AND TAPER LENGTHS.
2. USE TRASVERSE DEVICES IN CLOSED LANE EVERY 1000 FEET (RECOMMENDED).

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\07_XL6411_PS_TC_Typ.dgn
TIME	10:13:26 AM
DATE	6/23/2023
PLOTTED BY	KimKath
DESIGNED BY	Z. SANETO
ENTERED BY	Z. SANETO
CHECKED BY	N. MENZEL
PROJ. ENGR.	A. EMERSON
REGIONAL ADM.	B. NIELSEN

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO.

JOB NUMBER 22A023

CONTRACT NO. | LOCATION NO.

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE
TERMINAL REPLACEMENT 21-23

TRAFFIC CONTROL PLAN

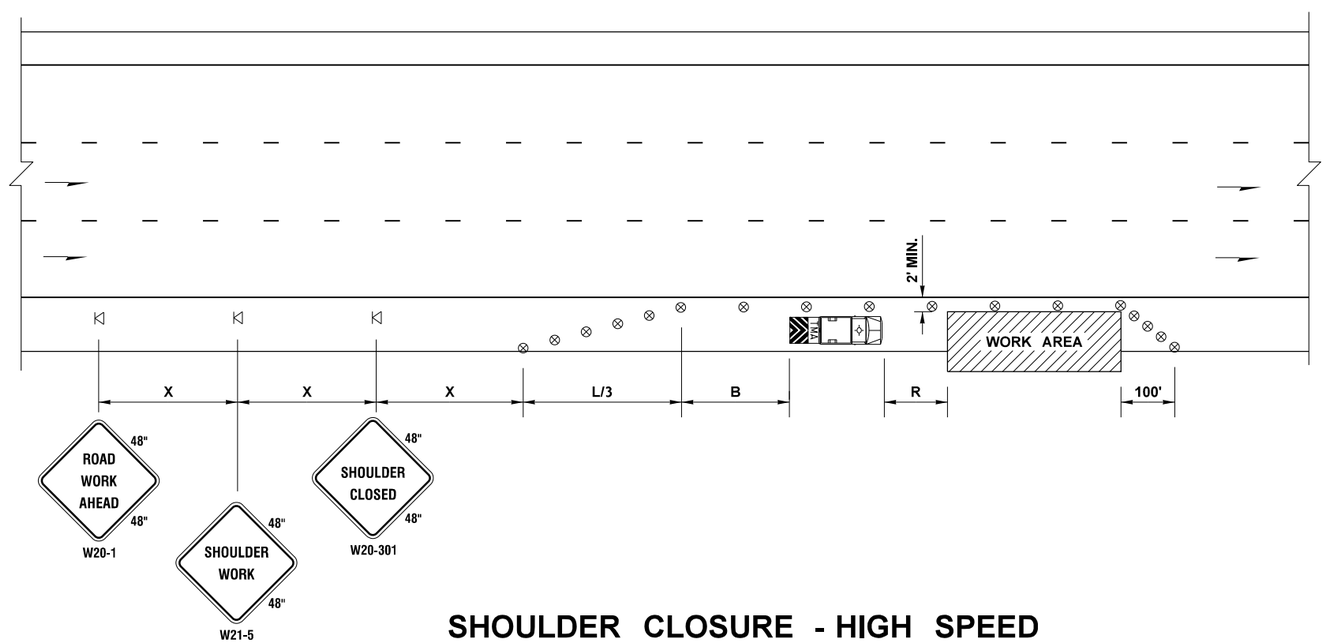
Plot 2

PLAN REF NO TC2

SHEET 77 OF 134 SHEETS

TABLE OF LOCATIONS

SR	ALIGNMENT	RAMP; MP	DIRECTION	SIDE	CROSS STREET
SR 522	MAINLINE	N/A; 17.56	WB	RT	N/A



SHOULDER CLOSURE - HIGH SPEED

NOT TO SCALE

NOTES:

1. SEE SHEET TC1 FOR LEGEND, GENERAL NOTES, BUFFER DATA, SIGN SPACING, CHANNELIZATION DEVICE SPACING, AND TAPER LENGTHS.

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\07_XL6411_PS_TC_Typ.dgn
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DATE	6/23/2023
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DESIGNED BY	Z. SANETO
ENTERED BY	Z. SANETO
CHECKED BY	N. MENZEL
PROJ. ENGR.	A. EMERSON
REGIONAL ADM.	B. NIELSEN

REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22A023		
CONTRACT NO.		LOCATION NO.

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

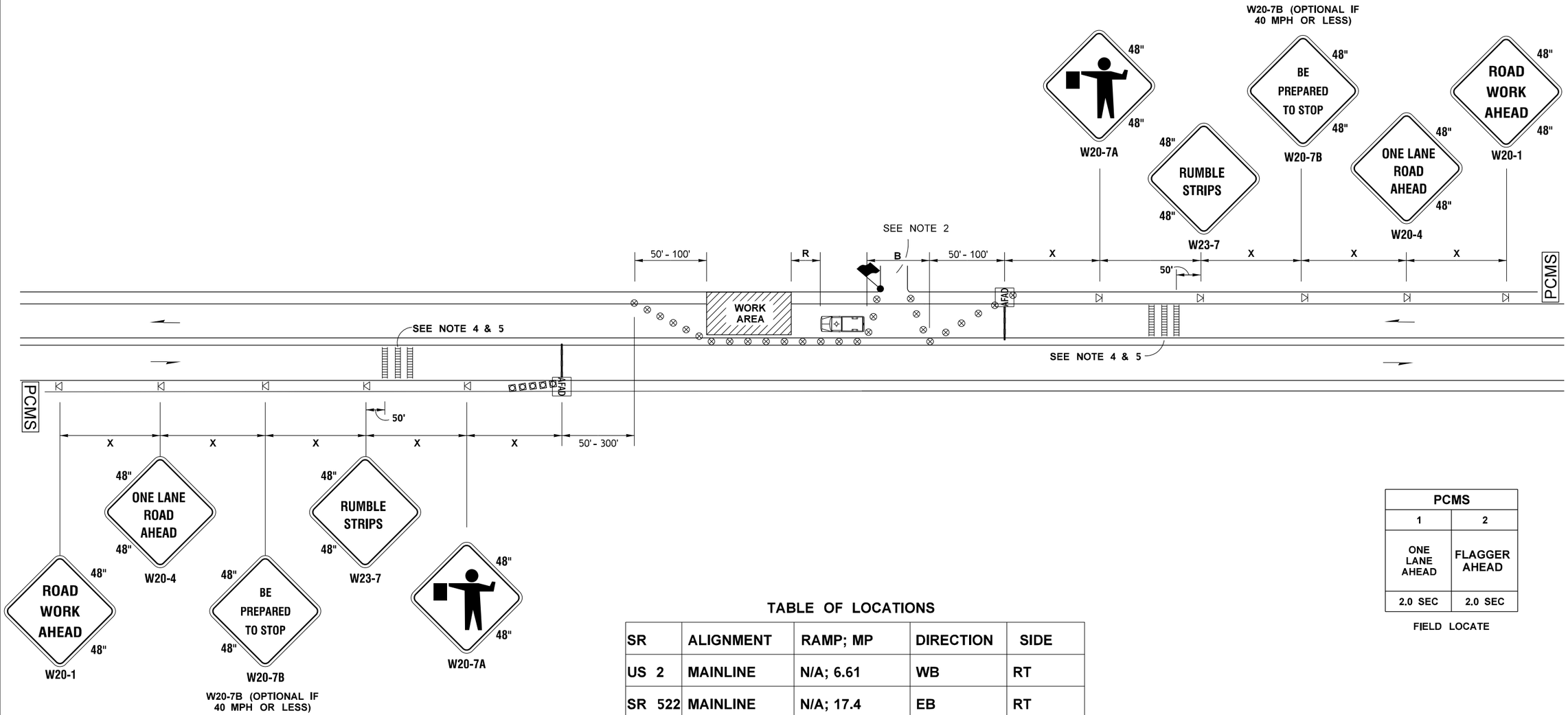
US 2 ET AL.
NWR BREAKAWAY CABLE
TERMINAL REPLACEMENT 21-23

TRAFFIC CONTROL PLAN

Plot 4

PLAN REF NO TC3

SHEET 78 OF 134 SHEETS



PCMS	
1	2
ONE LANE AHEAD	FLAGGER AHEAD
2.0 SEC	2.0 SEC

FIELD LOCATE

TABLE OF LOCATIONS

SR	ALIGNMENT	RAMP; MP	DIRECTION	SIDE
US 2	MAINLINE	N/A; 6.61	WB	RT
SR 522	MAINLINE	N/A; 17.4	EB	RT

NOTES:

1. SEE SHEET TC1 FOR LEGEND, GENERAL NOTES, BUFFER DATA, SIGN SPACING, CHANNELIZATION DEVICE SPACING, AND TAPER LENGTHS.

3. A FLAGGER SHALL BE PLACED AT ALL PRIVATE ROADWAYS AND/OR DRIVEWAYS WITHIN TAPER LIMITS DURING CONSTRUCTION ON US 2 MAINLINE.

4. AVOID PLACING TEMPORARY TRANVERSE RUMBLE STRIPS WITHIN HORIZONTAL CURVES, ADJUST SIGN SPACING IF NEEDED. USE ONE OF THE FOLLOWING RUMBLE STRIPS:
   * PSS Roadquake 2 or 2F Temporary Portable Rumble Strip (Black)
   * TrafFix Alert High Speed Rumble Strip (Black)

5. TEMPORARY RUMBLE STRIPS SPACING SHALL BE 20' OR PER MANUFACTURER'S INSTRUCTIONS.

ONE-LANE, TWO-WAY TRAFFIC CONTROL WITH FLAGGERS

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\07_XL6411_PS_TC_Typ.dgn			
TIME	10:13:39 AM			
DATE	6/23/2023			
PLOTTED BY	KimKath			
DESIGNED BY	Z. SANETO			
ENTERED BY	Z. SANETO			
CHECKED BY	N. MENZEL			
PROJ. ENGR.	A. EMERSON			
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22A023		
CONTRACT NO.		LOCATION NO.

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

TRAFFIC CONTROL PLAN

Plot 6

PLAN REF NO TC4

SHEET 79 OF 134 SHEETS

PCMS	
1	2
RAMP SHOULDER CLOSED	1 MILE AHEAD
2.0 SEC	2.0 SEC

FIELD LOCATE

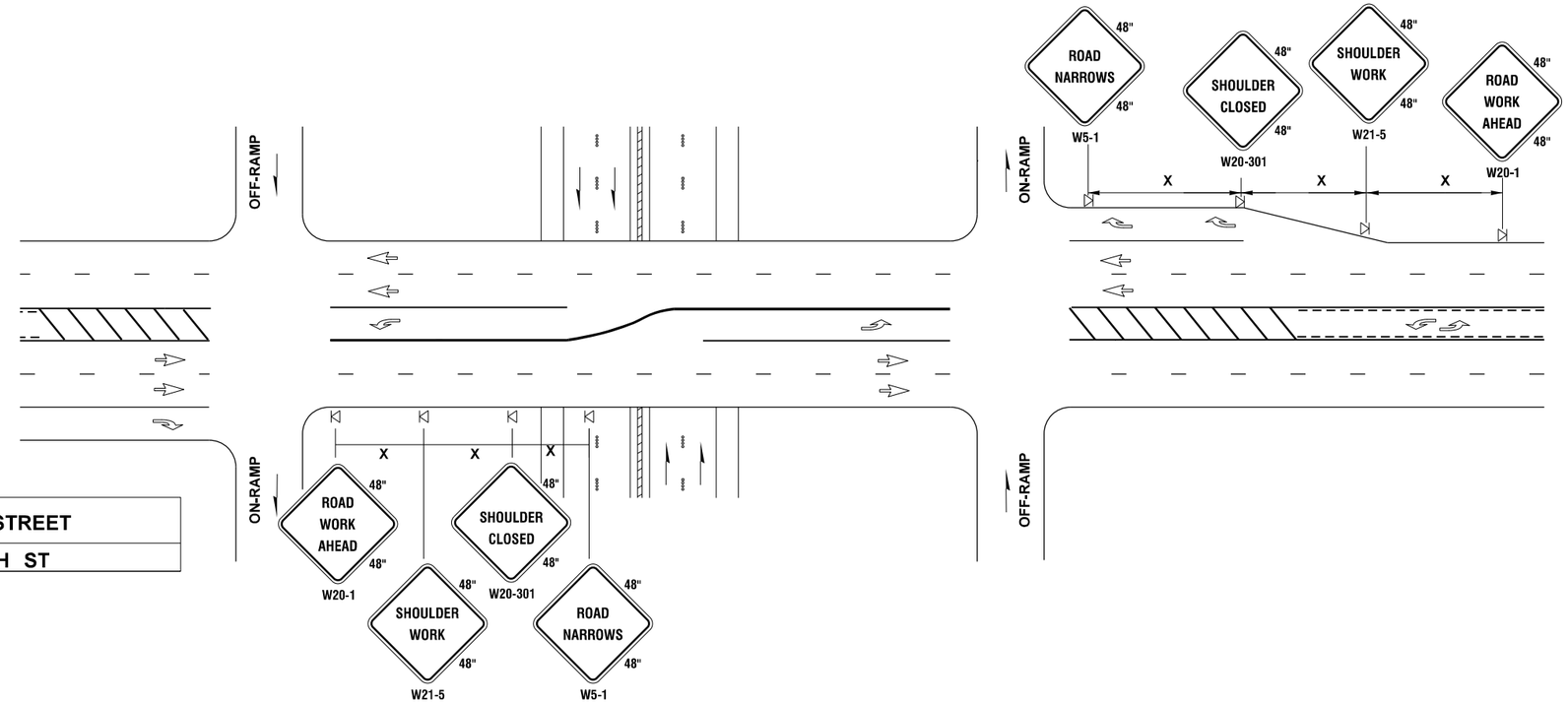
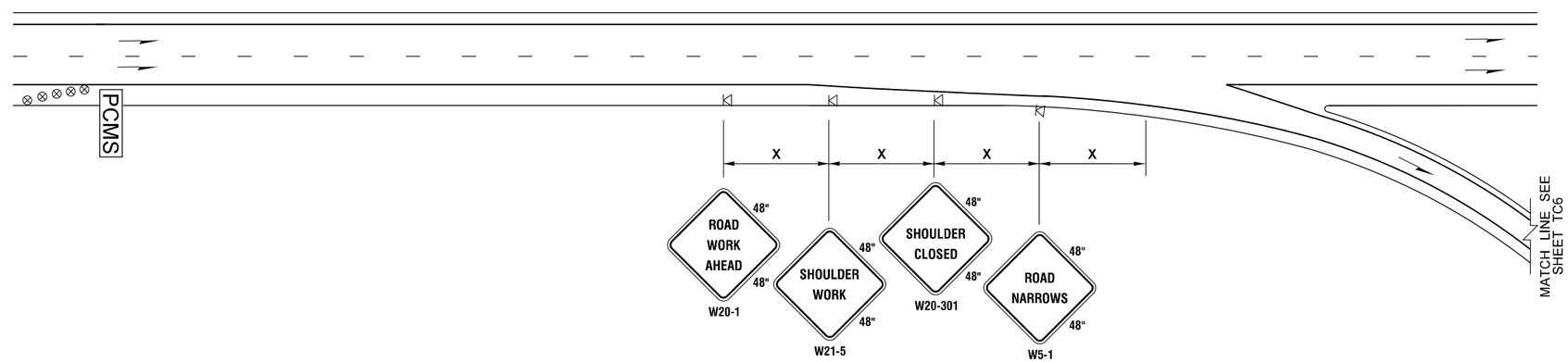


TABLE OF LOCATIONS

SR	ALIGNMENT	RAMP; MP	DIRECTION	SIDE	CROSS STREET
SR 522	OFF-RAMP	P1 01266; 0.14	NB	RT	NE 195TH ST



RIGHT SHOULDER RAMP CLOSURE & RAMP NARROWING (1 OF 2)

NOT TO SCALE

NOTES:

1. SEE SHEET TC1 FOR LEGEND, GENERAL NOTES, BUFFER DATA, SIGN SPACING, CHANNELIZATION DEVICE SPACING, AND TAPER LENGTHS.

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TIME	10:13:47 AM				
DATE	6/23/2023				
PLOTTED BY	KimKath				
DESIGNED BY	Z. SANETO				
ENTERED BY	Z. SANETO				
CHECKED BY	N. MENZEL				
PROJ. ENGR.	A. EMERSON				
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY	

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22A023		
CONTRACT NO.		LOCATION NO.

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

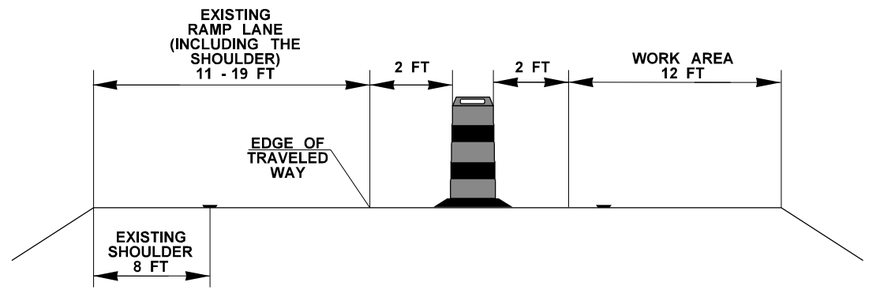
US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

TRAFFIC CONTROL PLAN

Plot 7

PLAN REF NO TC5

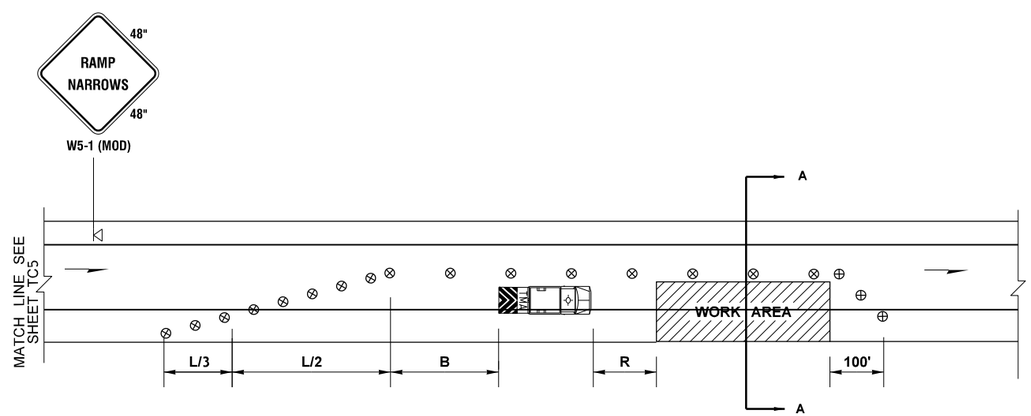
SHEET 80 OF 134 SHEETS



SECTION A-A

TABLE OF LOCATIONS

SR	ALIGNMENT	RAMP; MP	DIRECTION	SIDE	CROSS STREET
SR 522	OFF-RAMP	P1 01266; 0.14	NB	RT	NE 195TH ST



RIGHT SHOULDER RAMP CLOSURE & RAMP NARROWING
(2 OF 2)

NOT TO SCALE

NOTES:

1. SEE SHEET TC1 FOR LEGEND, GENERAL NOTES, BUFFER DATA, SIGN SPACING, CHANNELIZATION DEVICE SPACING, AND TAPER LENGTHS.
2. EXISTING RAMP LANE SHALL BE 12 FT FROM FACE OF DRUM TO EDGE OF PAVEMENT.

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TIME	10:13:55 AM				
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PLOTTED BY	KimKath				
DESIGNED BY	Z. SANETO				
ENTERED BY	Z. SANETO				
CHECKED BY	N. MENZEL				
PROJ. ENGR.	A. EMERSON				
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY	

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22A023		
CONTRACT NO.		LOCATION NO.

P.E. STAMP BOX DATE

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Washington State
Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE
TERMINAL REPLACEMENT 21-23

TRAFFIC CONTROL PLAN

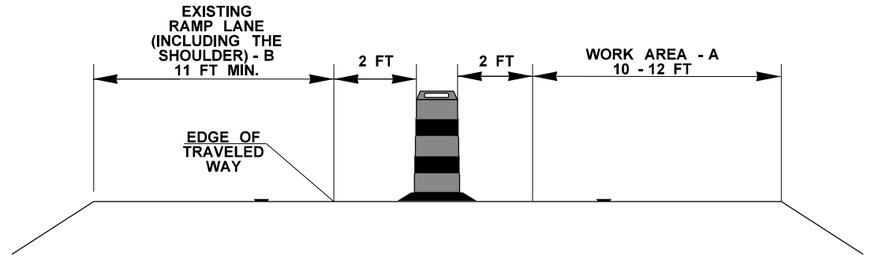
Plot 8

PLAN REF NO
TC6

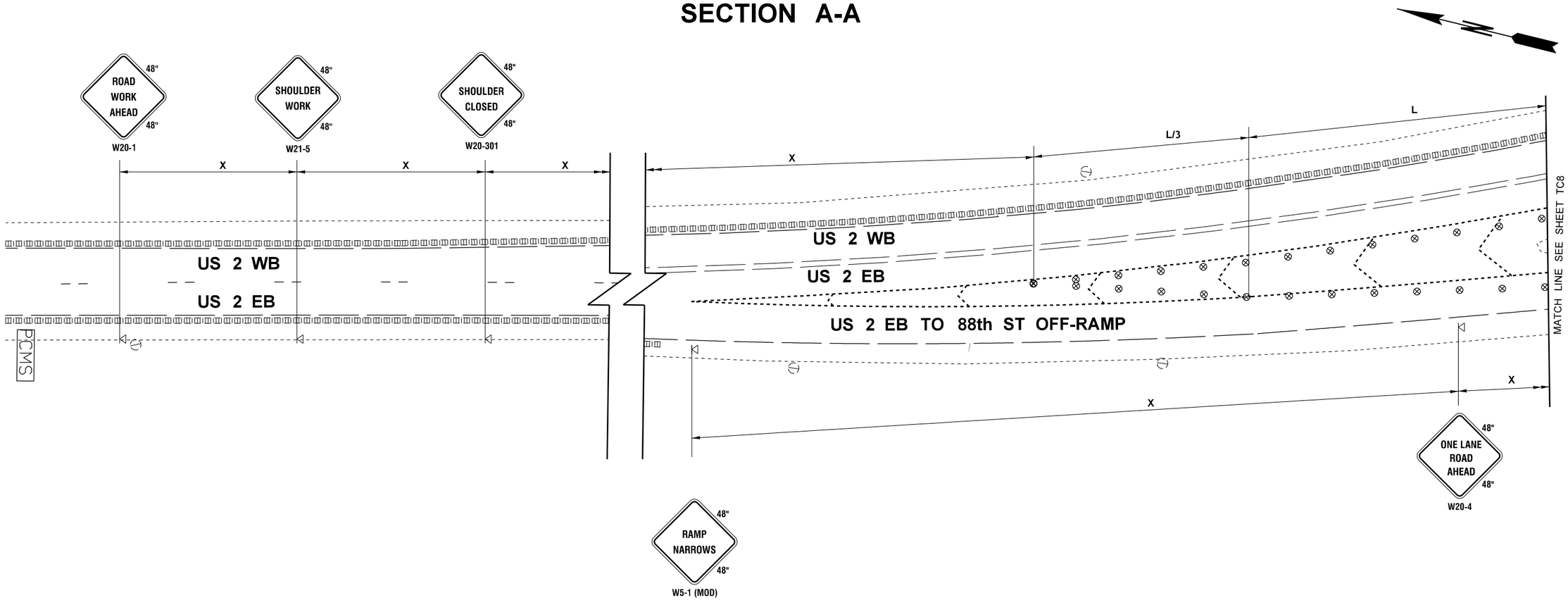
SHEET 81 OF 134 SHEETS

PCMS	
1	2
RAMP SHOULDER CLOSED	1 MILE AHEAD
2.0 SEC	2.0 SEC

FIELD LOCATE



SECTION A-A



NOTES:

1. SEE SHEET TC1 FOR LEGEND, GENERAL NOTES, BUFFER DATA, SIGN SPACING, CHANNELIZATION DEVICE SPACING, AND TAPER LENGTHS.
2. THE OPEN LANE FOR VEHICLES SHALL BE A MINIMUM OF 11 FEET.

US 2, P1 00818, MP 0.32, I, LT (1 OF 3)
(88TH ST US 2 EB OFF-RAMP)

NOT TO SCALE

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\07_XL6411_PS_TC - US 2.dgn					
TIME	10:11:16 AM					
DATE	6/23/2023					
PLOTTED BY	KimKath					
DESIGNED BY	Z. SANETO					
ENTERED BY	Z. SANETO					
CHECKED BY	N. MENZEL					
PROJ. ENGR.	A. EMERSON					
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY		

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22A023		
CONTRACT NO.		LOCATION NO.

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

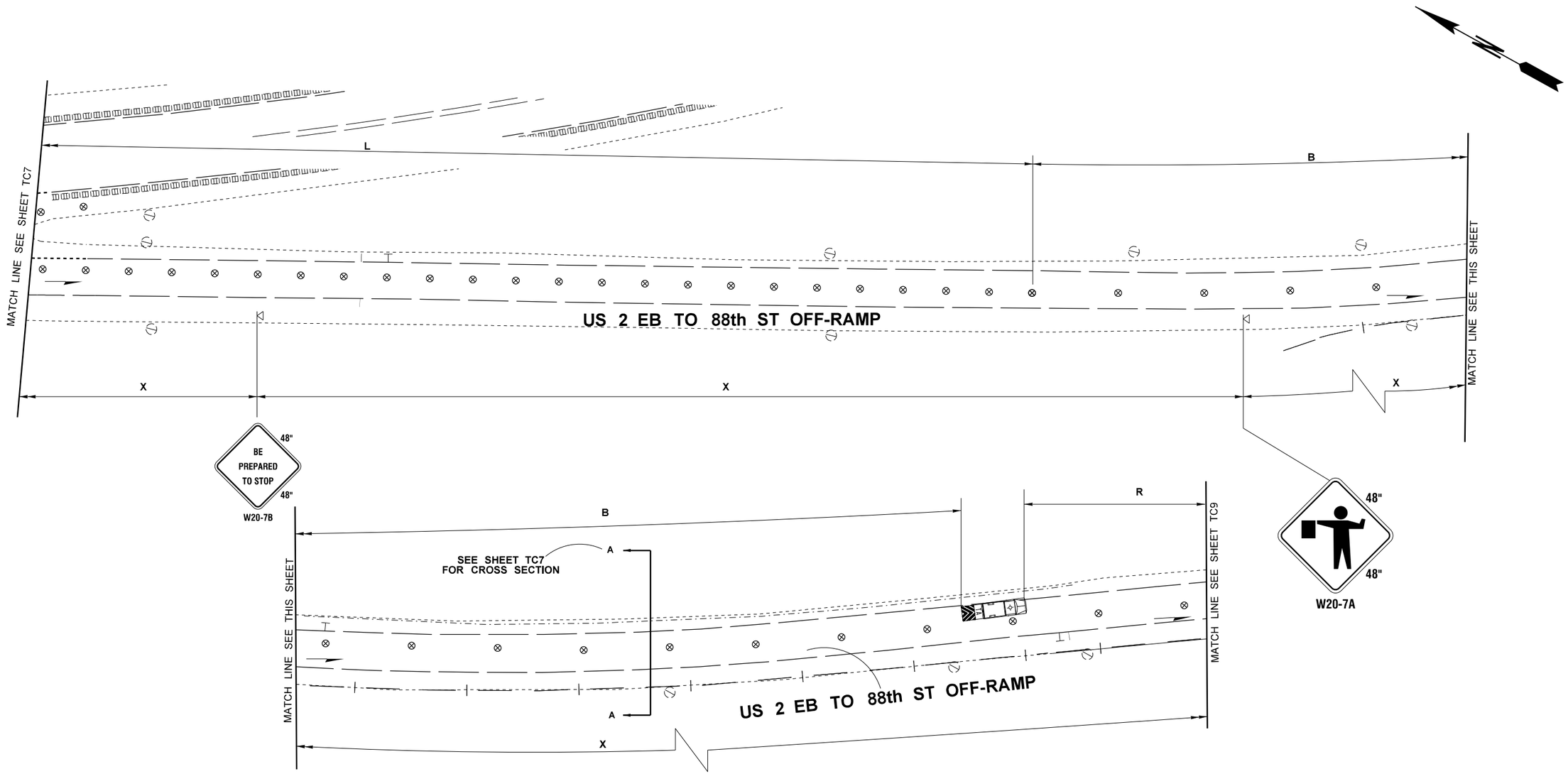
US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

TRAFFIC CONTROL PLAN

Plot 6

PLAN REF NO TC7

SHEET 82 OF 134 SHEETS



NOTES:

1. SEE SHEET TC1 FOR LEGEND, GENERAL NOTES, BUFFER DATA, SIGN SPACING, CHANNELIZATION DEVICE SPACING, AND TAPER LENGTHS.
2. THE OPEN LANE FOR VEHICLES SHALL BE A MINIMUM OF 11 FEET.

US 2, P1 00818, MP 0.32, I, LT (2 OF 3)
(88TH ST US 2 EB OFF-RAMP)

NOT TO SCALE

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\07_XL6411_PS_TC - US 2.dgn						
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DATE	6/23/2023						
PLOTTED BY	KimKath						
DESIGNED BY	Z. SANETO				JOB NUMBER 22A023		
ENTERED BY	Z. SANETO						
CHECKED BY	N. MENZEL				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

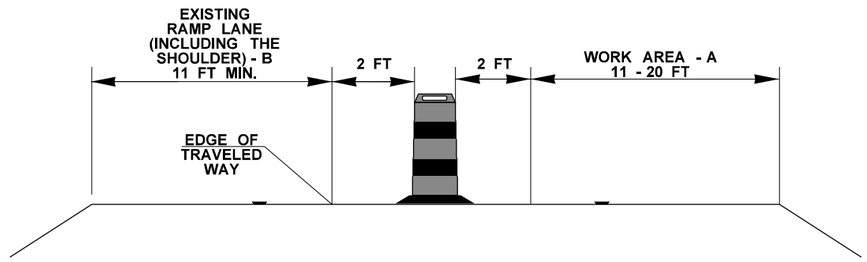
US 2 ET AL.
NWR BREAKAWAY CABLE
TERMINAL REPLACEMENT 21-23

TRAFFIC CONTROL PLAN

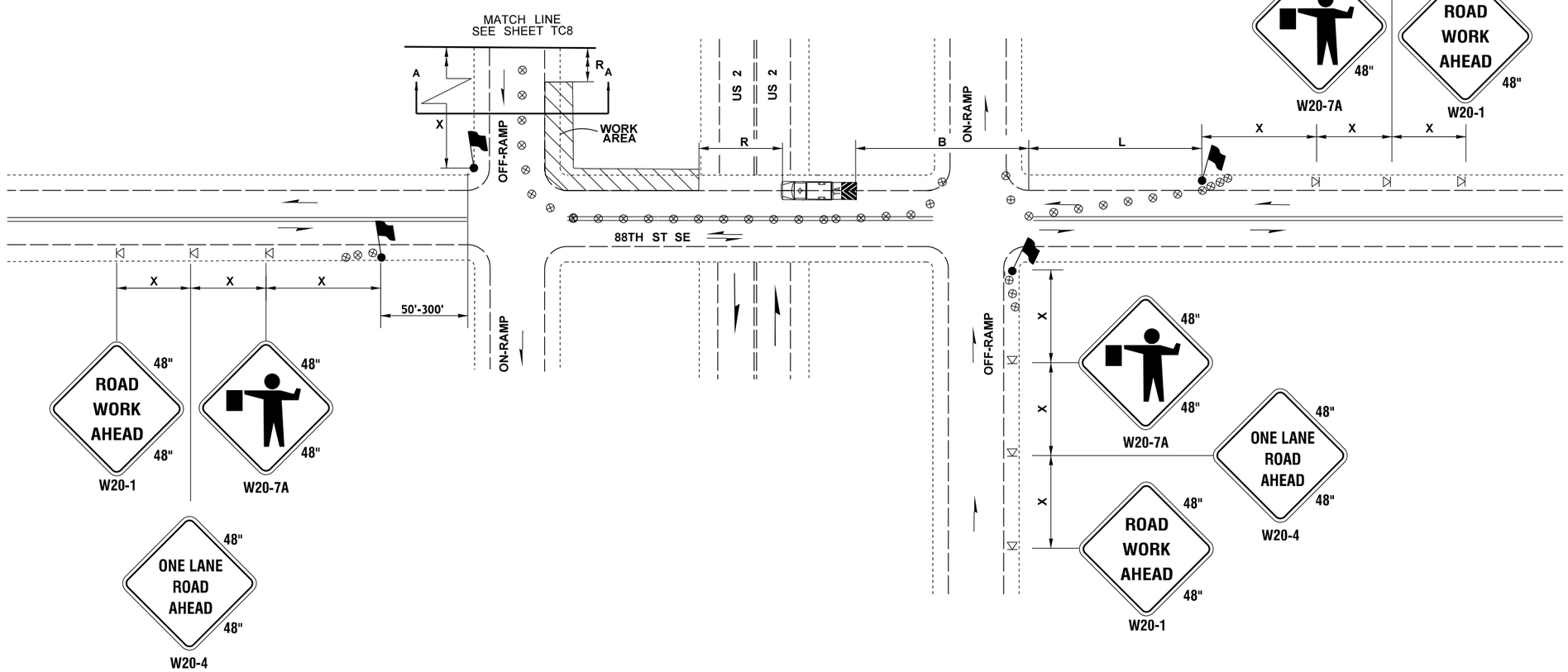
Plot 7

PLAN REF NO TC8

SHEET 83 OF 134 SHEETS



SECTION A-A



NOTES:

1. SEE SHEET TC1 FOR LEGEND, GENERAL NOTES, BUFFER DATA, SIGN SPACING, CHANNELIZATION DEVICE SPACING, AND TAPER LENGTHS.
2. THE OPEN LANE FOR VEHICLES SHALL BE A MINIMUM OF 11 FEET.

US 2, P1 00818, MP 0.32, I, LT (3 OF 3)
(88TH ST US 2 EB OFF-RAMP)
NOT TO SCALE

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DATE	6/23/2023						
PLOTTED BY	KimKath						
DESIGNED BY	Z. SANETO				JOB NUMBER 22A023		
ENTERED BY	Z. SANETO						
CHECKED BY	N. MENZEL				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

DATE
P.E. STAMP BOX

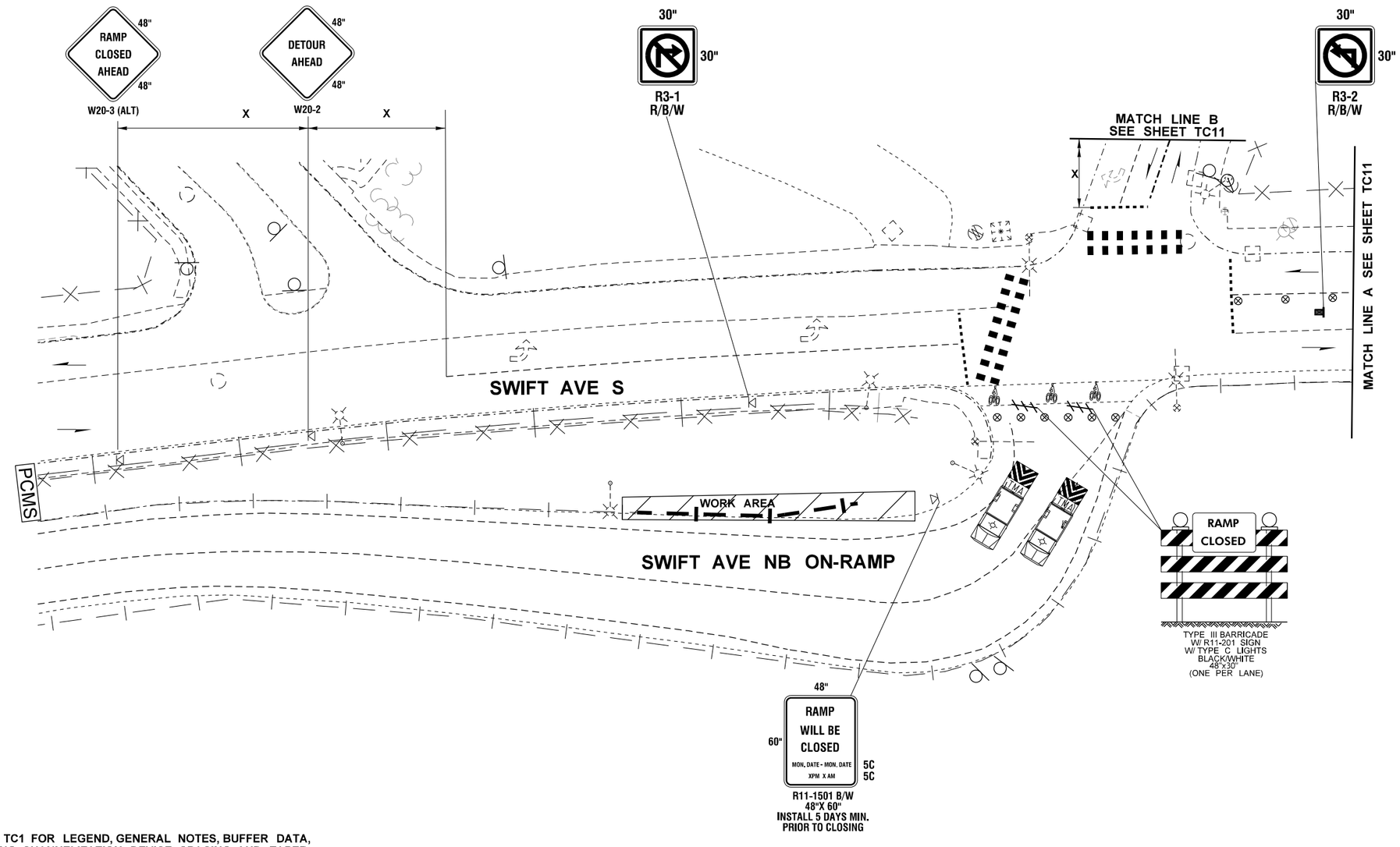
DATE
P.E. STAMP BOX

Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

TRAFFIC CONTROL PLAN

Plot 8
PLAN REF NO TC9
SHEET 84 OF 134 SHEETS



PCMS	
1	2
NB I-5 RAMP CLOSED	FOLLOW DETOUR
2.0 SEC	2.0 SEC

FIELD LOCATE IN ADVANCE OF RAMP CLOSURE SIGNING.

NOTES:

1. SEE SHEET TC1 FOR LEGEND, GENERAL NOTES, BUFFER DATA, SIGN SPACING, CHANNELIZATION DEVICE SPACING, AND TAPER LENGTHS.
2. ALL BIKES LANES WILL REMAIN OPEN DURING CONSTRUCTION AND WON'T BE IMPACTED.
3. SEE DU1 FOR DETOUR.

I-5, Q1 16139, MP 0.03, I, RT (1 OF 2)
(SWIFT AVE S I-5 NB ON-RAMP)

NOT TO SCALE

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\07_XL6411_PS_TC - I5S.dgn						
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DATE	6/23/2023						
PLOTTED BY	KimKath						
DESIGNED BY	Z. SANETO				JOB NUMBER 22A023		
ENTERED BY	Z. SANETO						
CHECKED BY	N. MENZEL				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE
TERMINAL REPLACEMENT 21-23

TRAFFIC CONTROL PLAN

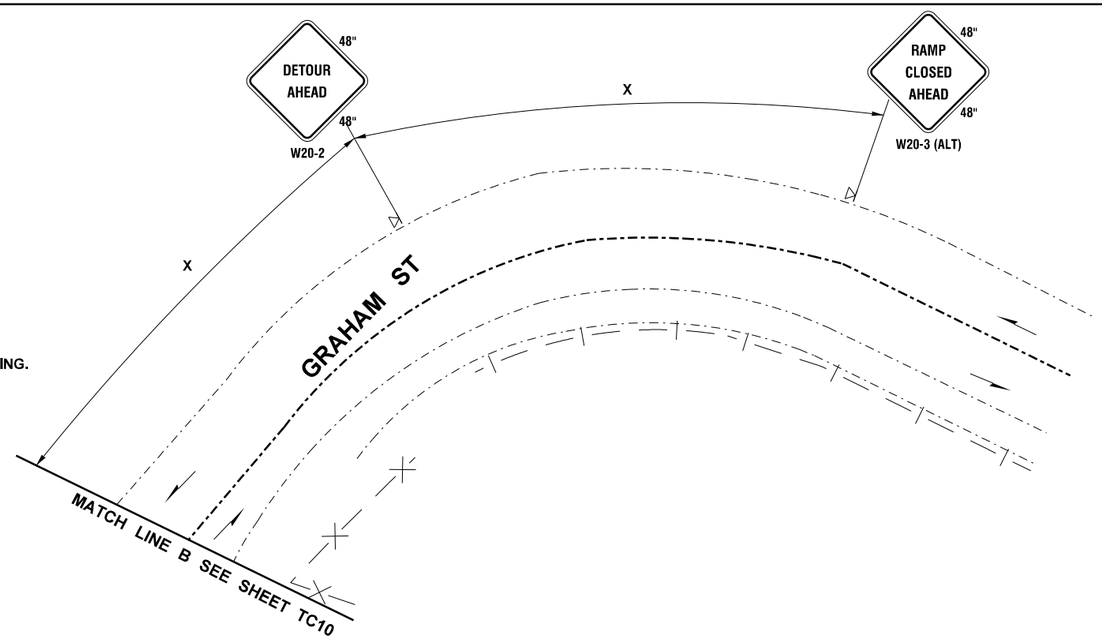
Plot 9

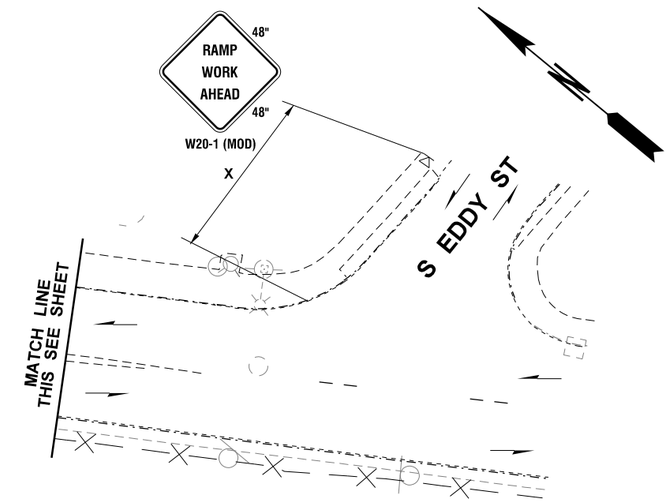
PLAN REF NO TC10

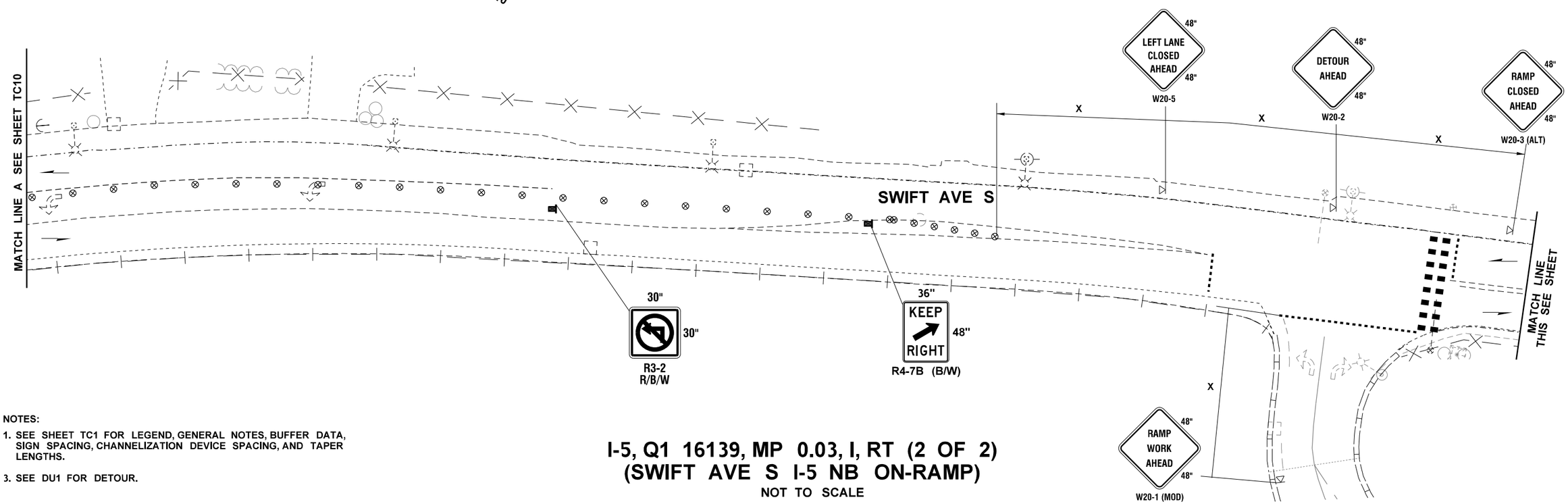
SHEET 85 OF 134 SHEETS

PCMS	
1	2
NB I-5 RAMP CLOSED	FOLLOW DETOUR
2.0 SEC	2.0 SEC

FIELD LOCATE IN ADVANCE OF RAMP CLOSURE SIGNING.







NOTES:

1. SEE SHEET TC1 FOR LEGEND, GENERAL NOTES, BUFFER DATA, SIGN SPACING, CHANNELIZATION DEVICE SPACING, AND TAPER LENGTHS.

3. SEE DU1 FOR DETOUR.

I-5, Q1 16139, MP 0.03, I, RT (2 OF 2)
(SWIFT AVE S I-5 NB ON-RAMP)

NOT TO SCALE

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\07_XL6411_PS_TC - I5S.dgn						
TIME	9:59:01 AM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	6/23/2023						
PLOTTED BY	KimKath						
DESIGNED BY	Z. SANETO				JOB NUMBER 22A023		
ENTERED BY	Z. SANETO						
CHECKED BY	N. MENZEL				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

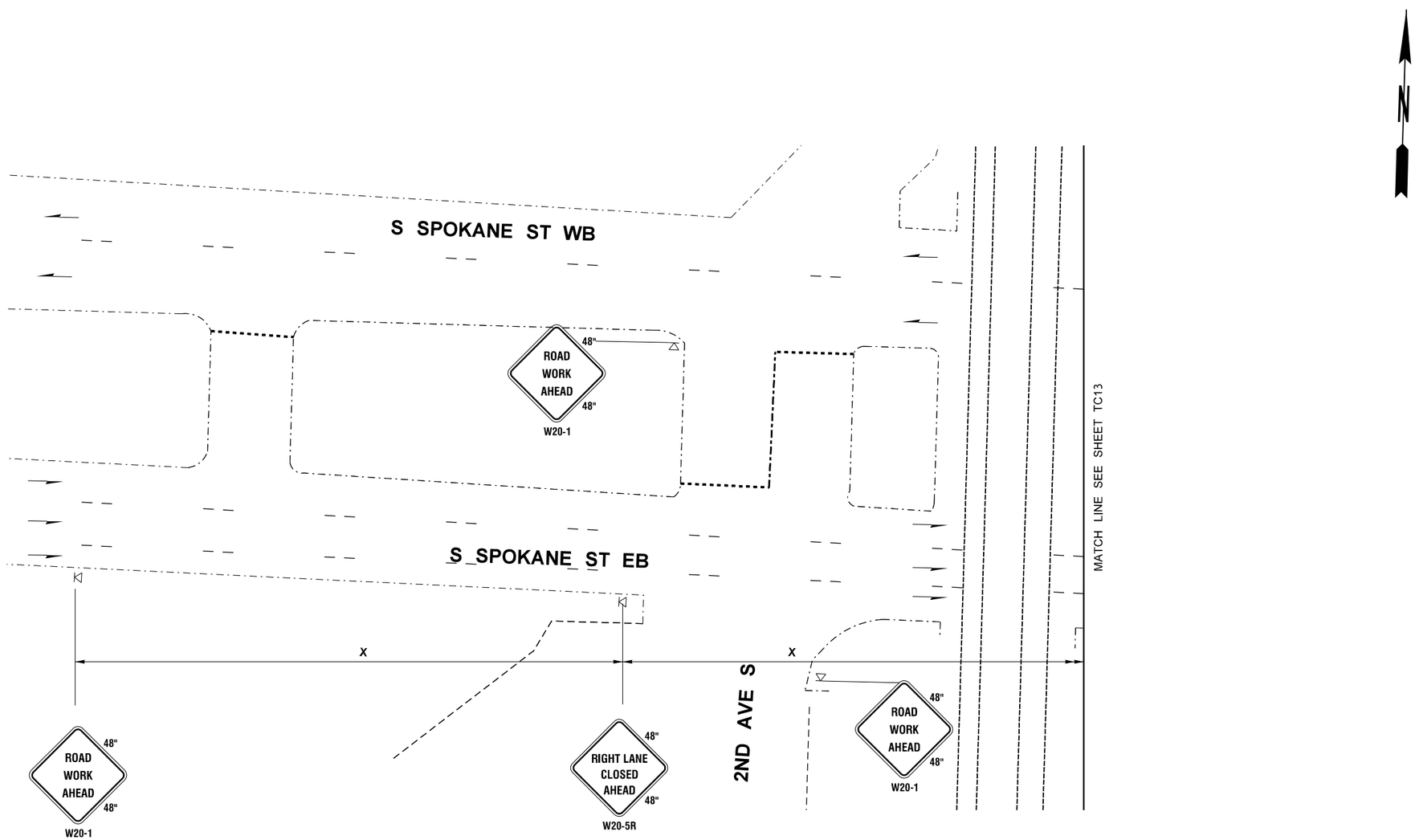
US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

TRAFFIC CONTROL PLAN

Plot 10

PLAN REF NO TC11

SHEET 86 OF 134 SHEETS



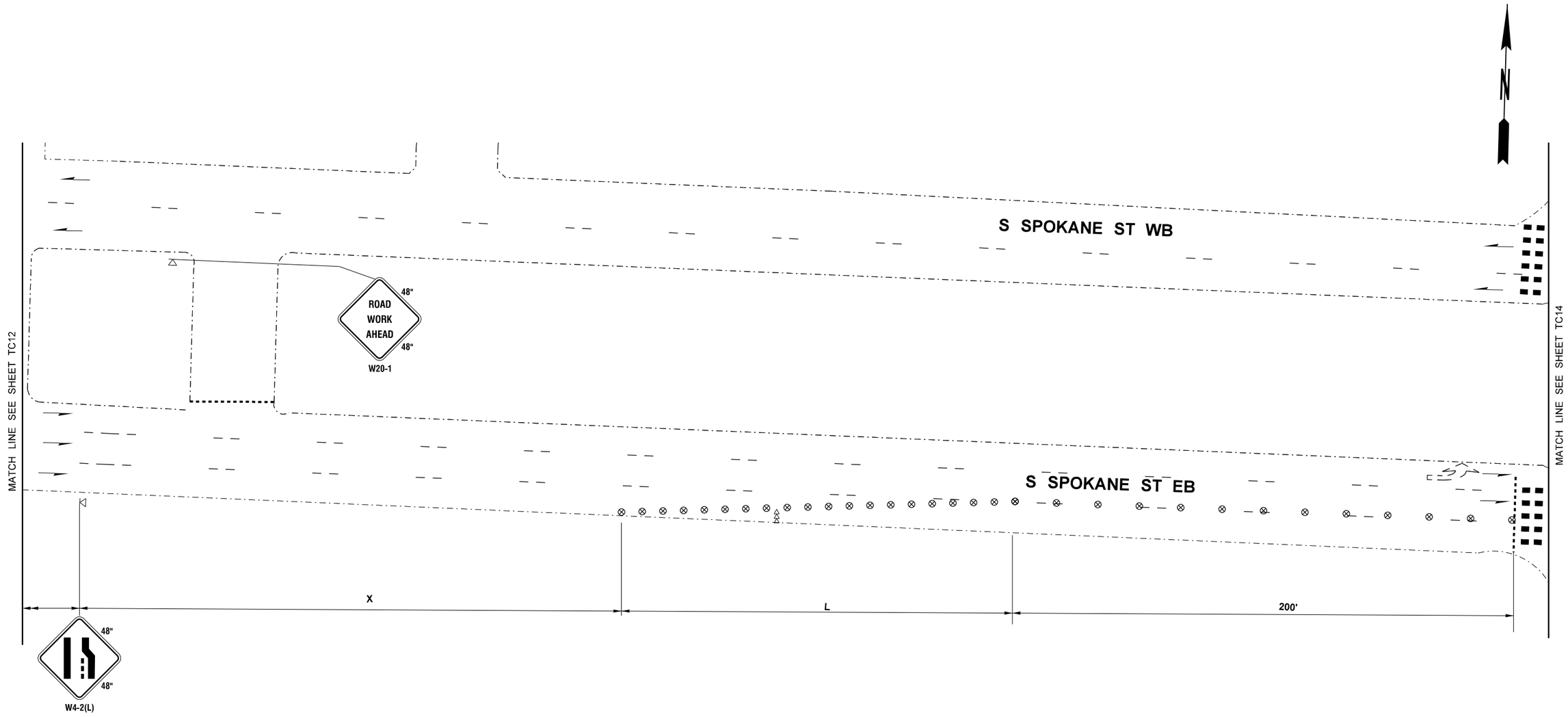
NOTES:

1. SEE SHEET TC1 FOR LEGEND, GENERAL NOTES, BUFFER DATA, SIGN SPACING, CHANNELIZATION DEVICE SPACING, AND TAPER LENGTHS.
2. SEE DU2 FOR DETOUR.

I-5, S1 16279, MP 0.07, I, LT (1 OF 5)
(S SPOKANE ST TO SB I-5 ON-RAMP)

NOT TO SCALE

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\07_XL6411_PS_TC - I5S_2.dgn									Plot 26
TIME	10:01:40 AM				REGION NO.	STATE	FED.AID PROJ.NO.		Washington State Department of Transportation	US 2 ET AL. NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23	PLAN REF NO TC12
DATE	6/23/2023				10	WASH					
PLOTTED BY	KimKath				JOB NUMBER						SHEET 87 OF 134 SHEETS
DESIGNED BY	Z. SANETO				22A023						
ENTERED BY	Z. SANETO				CONTRACT NO.		LOCATION NO.				
CHECKED BY	N. MENZEL										
PROJ. ENGR.	A. EMERSON										
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY				DATE P.E. STAMP BOX	DATE P.E. STAMP BOX	TRAFFIC CONTROL PLAN	



NOTES:

1. SEE SHEET TC1 FOR LEGEND, GENERAL NOTES, BUFFER DATA, SIGN SPACING, CHANNELIZATION DEVICE SPACING, AND TAPER LENGTHS.
2. SEE DU2 FOR DETOUR.

I-5, S1 16279, MP 0.07, I, LT (2 OF 5)
(S SPOKANE ST TO SB I-5 ON-RAMP)

NOT TO SCALE

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\07_XL6411_PS_TC - I5S_2.dgn						
TIME	10:01:48 AM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	6/23/2023						
PLOTTED BY	KimKath						
DESIGNED BY	Z. SANETO				JOB NUMBER 22A023		
ENTERED BY	Z. SANETO						
CHECKED BY	N. MENZEL				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

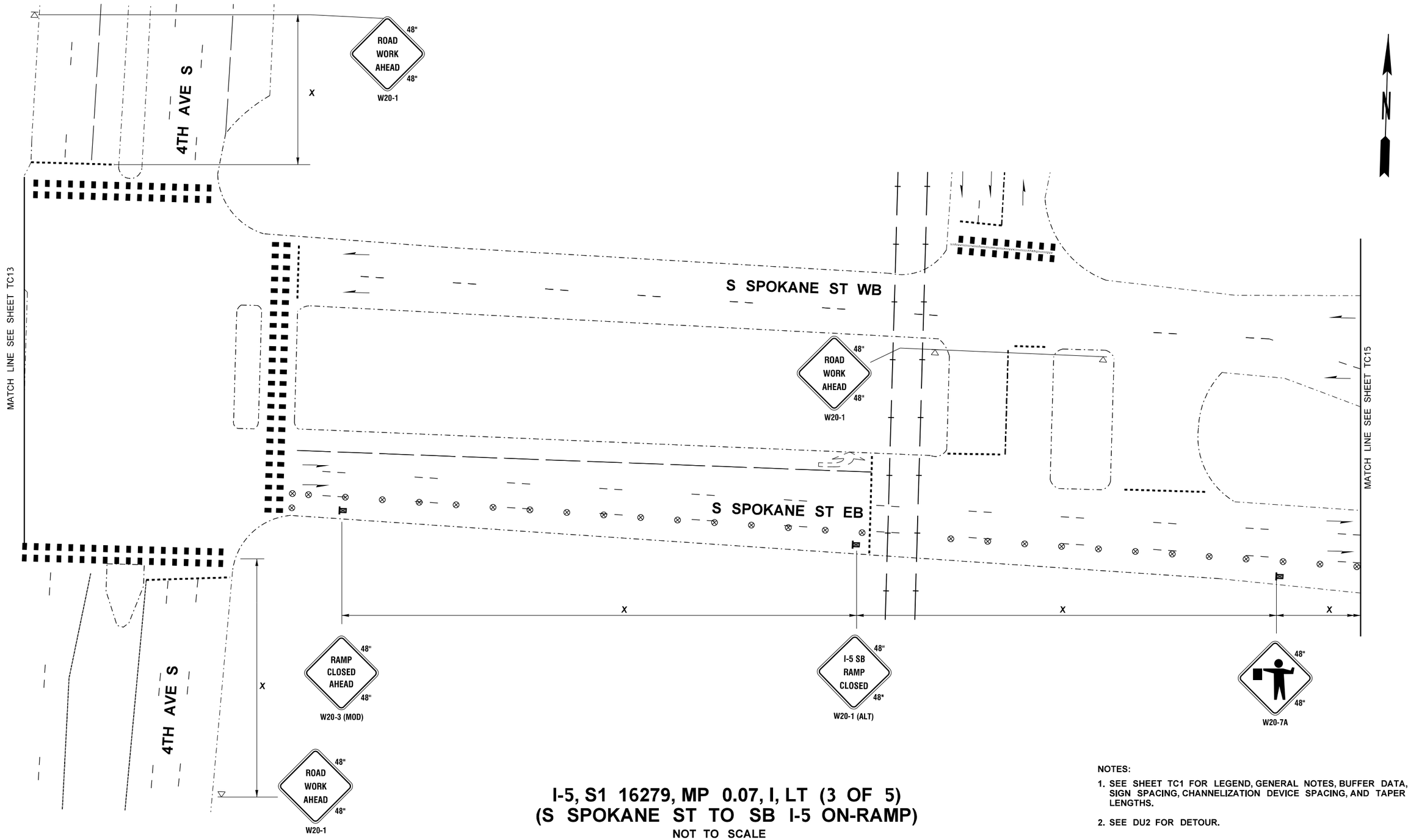
US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

TRAFFIC CONTROL PLAN

Plot 27

PLAN REF NO TC13

SHEET 88 OF 134 SHEETS



I-5, S1 16279, MP 0.07, I, LT (3 OF 5)
(S SPOKANE ST TO SB I-5 ON-RAMP)

NOT TO SCALE

NOTES:

1. SEE SHEET TC1 FOR LEGEND, GENERAL NOTES, BUFFER DATA, SIGN SPACING, CHANNELIZATION DEVICE SPACING, AND TAPER LENGTHS.
2. SEE DU2 FOR DETOUR.

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\07_XL6411_PS_TC - I5S_2.dgn			
TIME	10:01:57 AM			
DATE	6/23/2023			
PLOTTED BY	KimKath			
DESIGNED BY	Z. SANETO			
ENTERED BY	Z. SANETO			
CHECKED BY	N. MENZEL			
PROJ. ENGR.	A. EMERSON			
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22A023		
CONTRACT NO.		LOCATION NO.

DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

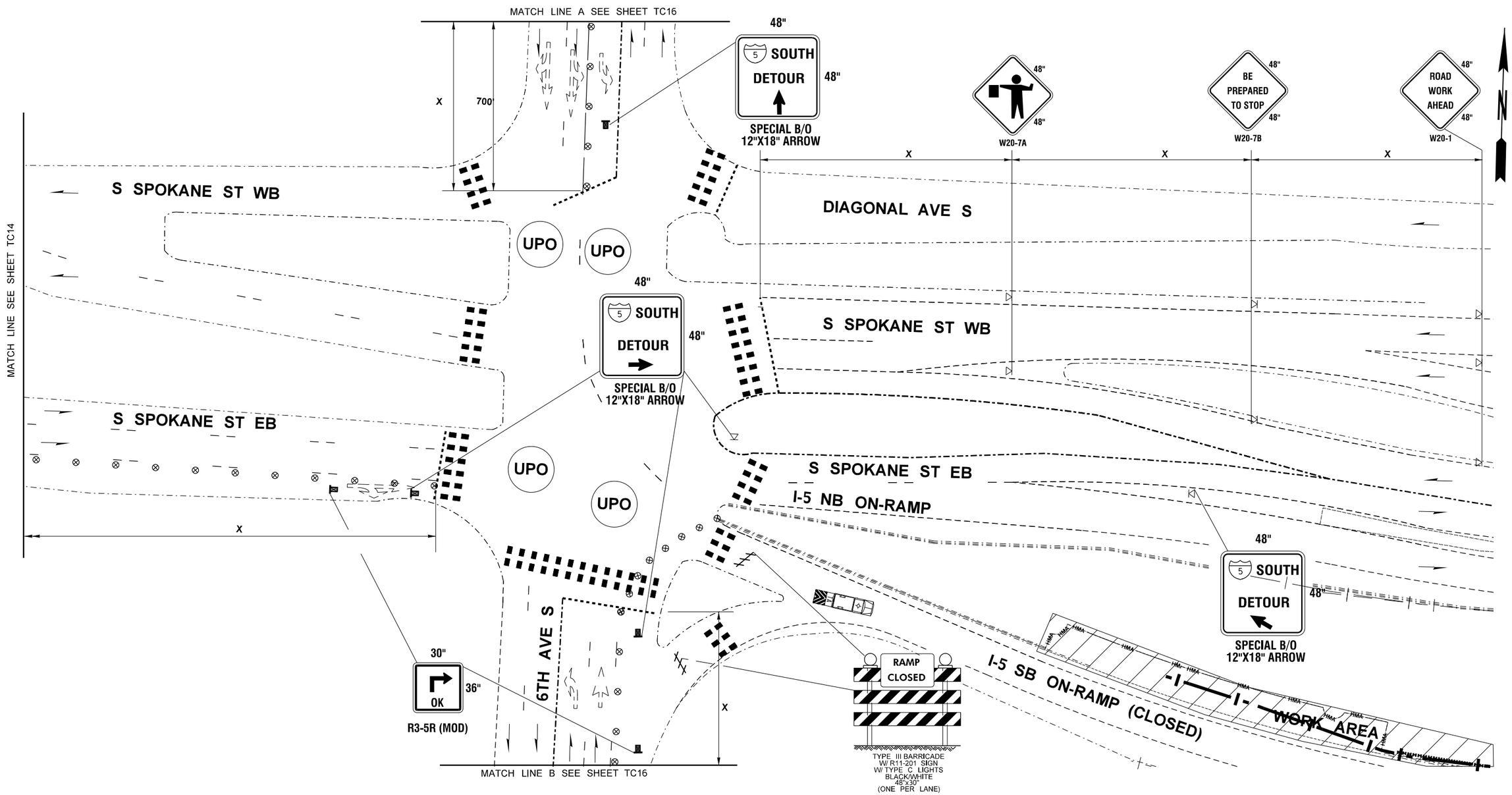
US 2 ET AL.
NWR BREAKAWAY CABLE
TERMINAL REPLACEMENT 21-23

TRAFFIC CONTROL PLAN

Plot 28

PLAN REF NO TC14

SHEET 89 OF 134 SHEETS



NOTES:

1. SEE SHEET TC1 FOR LEGEND, GENERAL NOTES, BUFFER DATA, SIGN SPACING, CHANNELIZATION DEVICE SPACING, AND TAPER LENGTHS.
2. SEE DU2 FOR DETOUR.

I-5, S1 16279, MP 0.07, I, LT (4 OF 5)
(S SPOKANE ST TO SB I-5 ON-RAMP)

NOT TO SCALE

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\07_XL6411_PS_TC - I5S_2.dgn						
TIME	10:02:05 AM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	6/23/2023						
PLOTTED BY	KimKath				JOB NUMBER 22A023		
DESIGNED BY	Z. SANETO						
ENTERED BY	Z. SANETO						
CHECKED BY	N. MENZEL				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

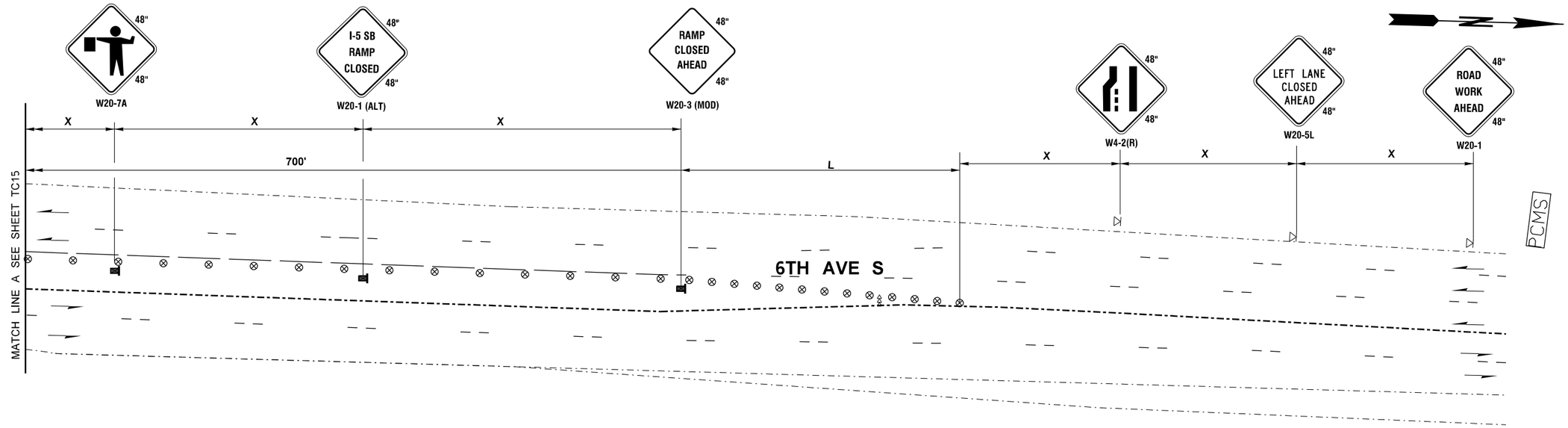
US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

TRAFFIC CONTROL PLAN

Plot 29

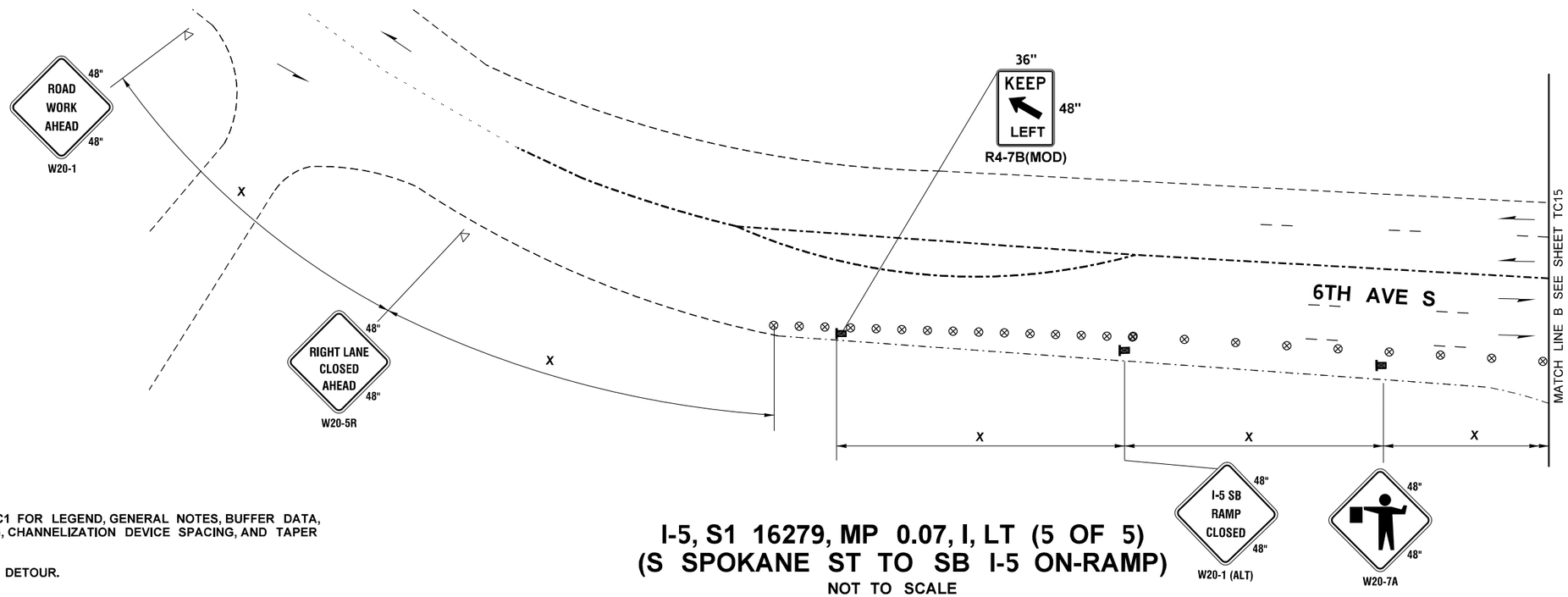
PLAN REF NO TC15

SHEET 90 OF 134 SHEETS



PCMS	
1	2
SB I-5 RAMP CLOSED	FOLLOW DETOUR
2.0 SEC	2.0 SEC

FIELD LOCATE 1 MILE +/- IN ADVANCE OF LANE CLOSURE SIGNING.



NOTES:

1. SEE SHEET TC1 FOR LEGEND, GENERAL NOTES, BUFFER DATA, SIGN SPACING, CHANNELIZATION DEVICE SPACING, AND TAPER LENGTHS.
2. SEE DU2 FOR DETOUR.

I-5, S1 16279, MP 0.07, I, LT (5 OF 5)
(S SPOKANE ST TO SB I-5 ON-RAMP)

NOT TO SCALE

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\07_XL6411_PS_TC - I5S_2.dgn					
TIME	10:02:15 AM					
DATE	6/23/2023					
PLOTTED BY	KimKath					
DESIGNED BY	Z. SANETO					
ENTERED BY	Z. SANETO					
CHECKED BY	N. MENZEL					
PROJ. ENGR.	A. EMERSON					
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY		

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22A023		
CONTRACT NO.		LOCATION NO.

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

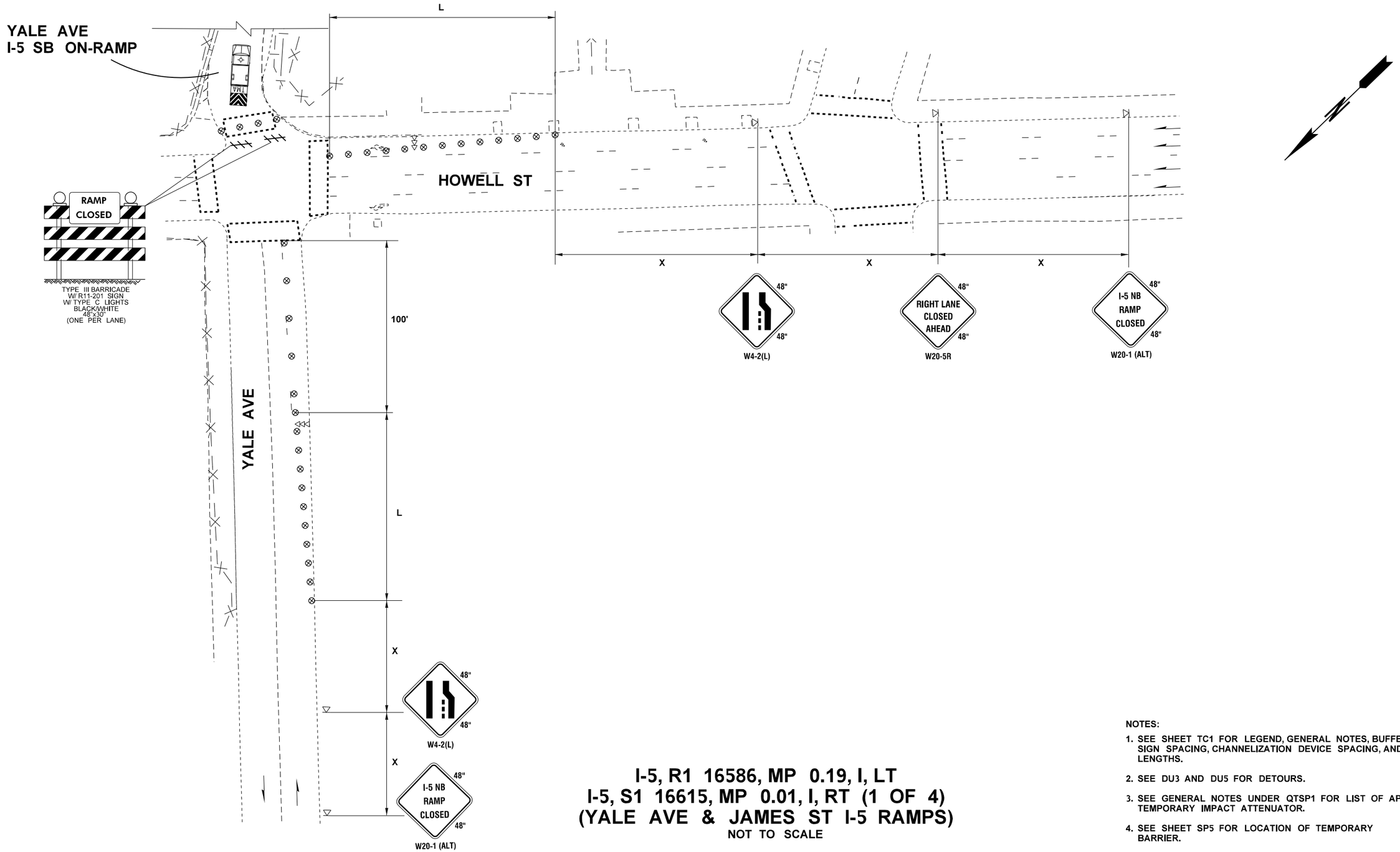
US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

TRAFFIC CONTROL PLAN

Plot 20

PLAN REF NO TC16

SHEET 91 OF 134 SHEETS



I-5, R1 16586, MP 0.19, I, LT
I-5, S1 16615, MP 0.01, I, RT (1 OF 4)
(YALE AVE & JAMES ST I-5 RAMPS)

NOT TO SCALE

NOTES:

1. SEE SHEET TC1 FOR LEGEND, GENERAL NOTES, BUFFER DATA, SIGN SPACING, CHANNELIZATION DEVICE SPACING, AND TAPER LENGTHS.
2. SEE DU3 AND DU5 FOR DETOURS.
3. SEE GENERAL NOTES UNDER QTSP1 FOR LIST OF APPROVED TEMPORARY IMPACT ATTENUATOR.
4. SEE SHEET SP5 FOR LOCATION OF TEMPORARY BARRIER.

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\07_XL6411_PS_TC - I5S.dgn			
TIME	9:59:10 AM			
DATE	6/23/2023			
PLOTTED BY	KimKath			
DESIGNED BY	Z. SANETO			
ENTERED BY	Z. SANETO			
CHECKED BY	N. MENZEL			
PROJ. ENGR.	A. EMERSON			
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22A023		
CONTRACT NO.		LOCATION NO.

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE
TERMINAL REPLACEMENT 21-23

TRAFFIC CONTROL PLAN

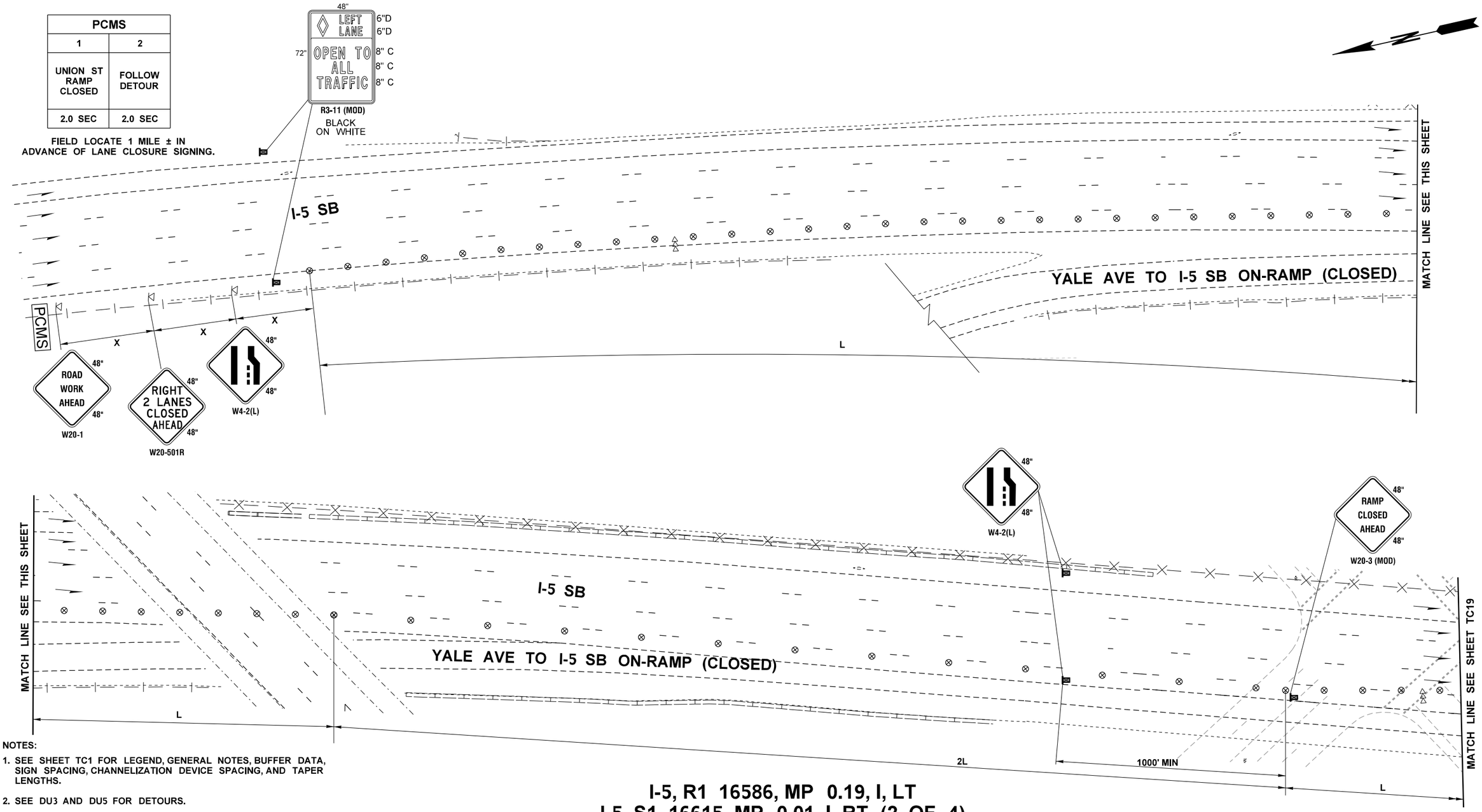
Plot 11

PLAN REF NO TC17

SHEET 92 OF 134 SHEETS

PCMS	
1	2
UNION ST RAMP CLOSED	FOLLOW DETOUR
2.0 SEC	2.0 SEC

FIELD LOCATE 1 MILE ± IN ADVANCE OF LANE CLOSURE SIGNING.



NOTES:

1. SEE SHEET TC1 FOR LEGEND, GENERAL NOTES, BUFFER DATA, SIGN SPACING, CHANNELIZATION DEVICE SPACING, AND TAPER LENGTHS.
2. SEE DU3 AND DU5 FOR DETOURS.
3. SEE GENERAL NOTES UNDER QTSP1 FOR LIST OF APPROVED TEMPORARY IMPACT ATTENUATOR.
4. SEE SHEET SP9 FOR LOCATION OF TEMPORARY BARRIER.

I-5, R1 16586, MP 0.19, I, LT
I-5, S1 16615, MP 0.01, I, RT (2 OF 4)
(YALE AVE & JAMES ST I-5 RAMPS)

NOT TO SCALE

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\07_XL6411_PS_TC - I5S.dgn					
TIME	9:59:18 AM				REGION NO. 10	STATE WASH
DATE	6/23/2023					FED.AID PROJ.NO.
PLOTTED BY	KimKath					
DESIGNED BY	Z. SANETO				JOB NUMBER 22A023	
ENTERED BY	Z. SANETO					
CHECKED BY	N. MENZEL				CONTRACT NO.	LOCATION NO.
PROJ. ENGR.	A. EMERSON					
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY		

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

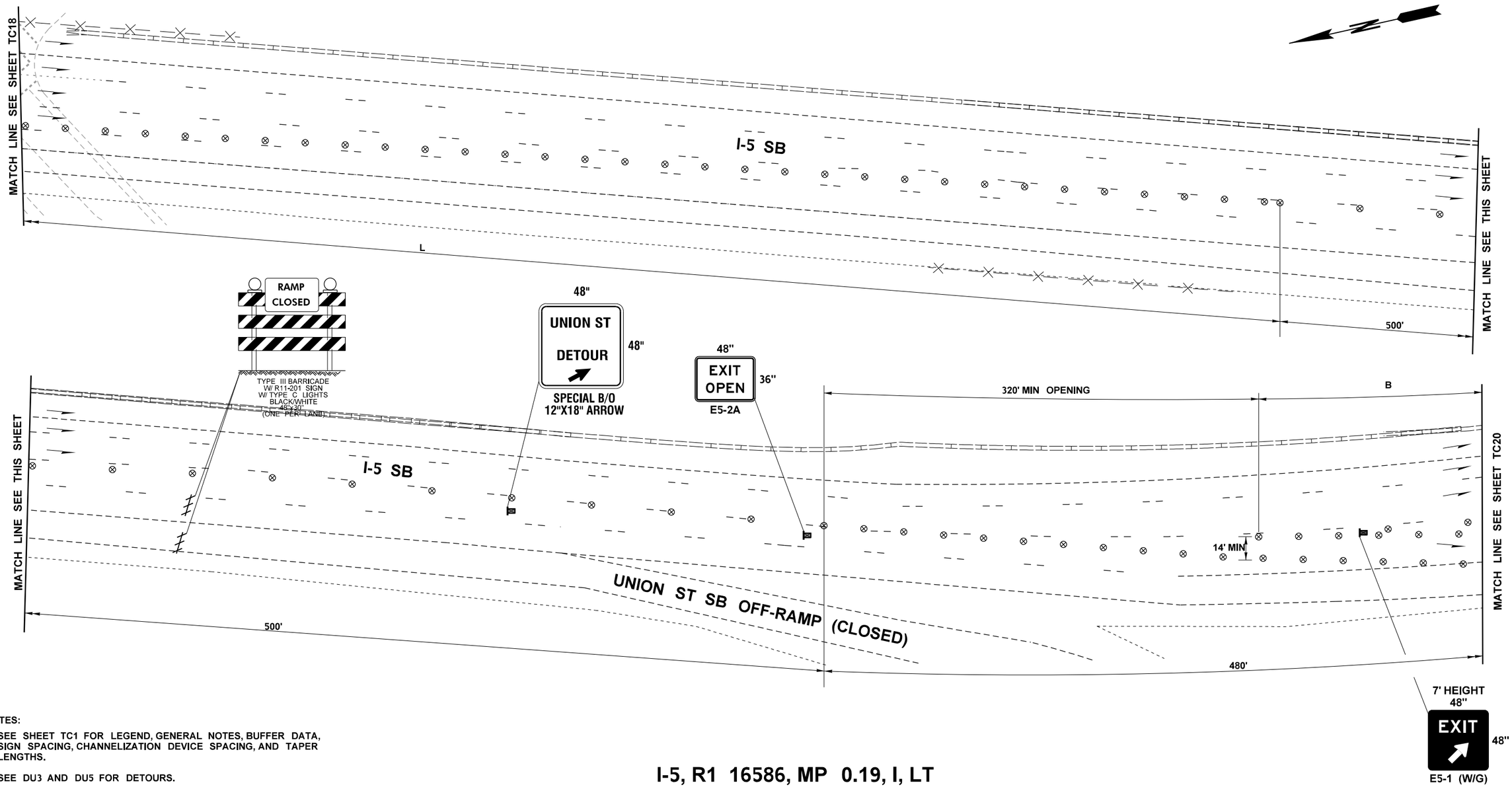
US 2 ET AL.
NWR BREAKAWAY CABLE
TERMINAL REPLACEMENT 21-23

TRAFFIC CONTROL PLAN

Plot 12

PLAN REF NO TC18

SHEET 93 OF 134 SHEETS



NOTES:

1. SEE SHEET TC1 FOR LEGEND, GENERAL NOTES, BUFFER DATA, SIGN SPACING, CHANNELIZATION DEVICE SPACING, AND TAPER LENGTHS.
2. SEE DU3 AND DU5 FOR DETOURS.
3. SEE GENERAL NOTES UNDER QTSP1 FOR LIST OF APPROVED TEMPORARY IMPACT ATTENUATOR.
4. SEE SHEET SP9 FOR LOCATION OF TEMPORARY BARRIER.

I-5, R1 16586, MP 0.19, I, LT
I-5, S1 16615, MP 0.01, I, RT (3 OF 4)
(YALE AVE & JAMES ST I-5 RAMPS)

NOT TO SCALE

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\07_XL6411_PS_TC - I5S.dgn						
TIME	9:59:25 AM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	6/23/2023						
PLOTTED BY	KimKath						
DESIGNED BY	Z. SANETO				JOB NUMBER 22A023		
ENTERED BY	Z. SANETO						
CHECKED BY	N. MENZEL				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

DATE
P.E. STAMP BOX

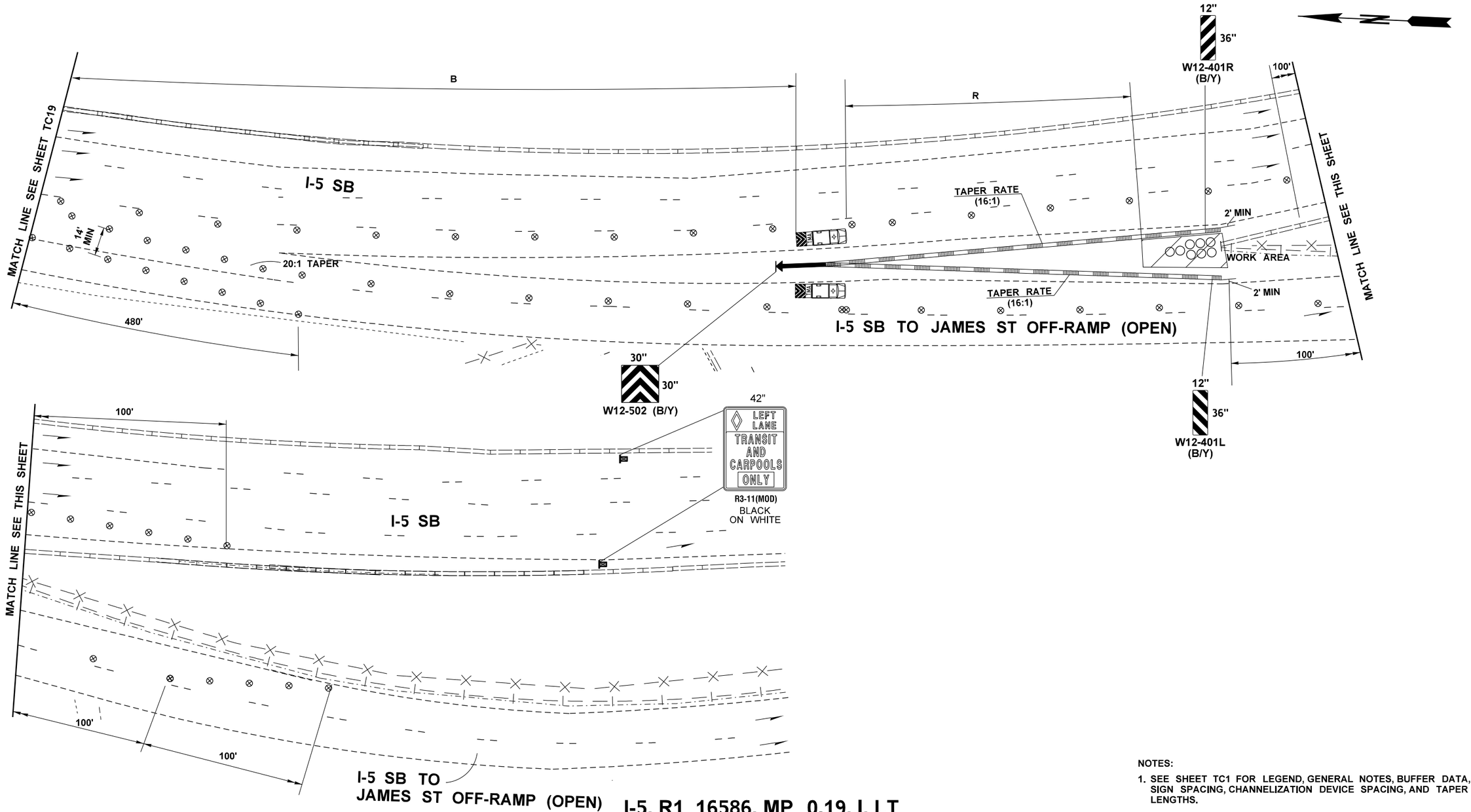
DATE
P.E. STAMP BOX

Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

TRAFFIC CONTROL PLAN

Plot 13
PLAN REF NO
TC19
SHEET 94 OF 134 SHEETS



I-5, R1 16586, MP 0.19, I, LT
I-5, S1 16615, MP 0.01, I, RT (4 OF 4)
(YALE AVE & JAMES ST I-5 RAMPS)

NOT TO SCALE

NOTES:

1. SEE SHEET TC1 FOR LEGEND, GENERAL NOTES, BUFFER DATA, SIGN SPACING, CHANNELIZATION DEVICE SPACING, AND TAPER LENGTHS.
2. SEE DU3 AND DU5 FOR DETOURS.
3. SEE GENERAL NOTES UNDER QTSP1 FOR LIST OF APPROVED TEMPORARY IMPACT ATTENUATOR.
4. SEE SHEET SP9 FOR LOCATION OF TEMPORARY BARRIER.

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\07_XL6411_PS_TC - I5S.dgn						
TIME	9:59:33 AM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	6/23/2023						
PLOTTED BY	KimKath				JOB NUMBER 22A023		
DESIGNED BY	Z. SANETO						
ENTERED BY	Z. SANETO				CONTRACT NO.		LOCATION NO.
CHECKED BY	N. MENZEL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

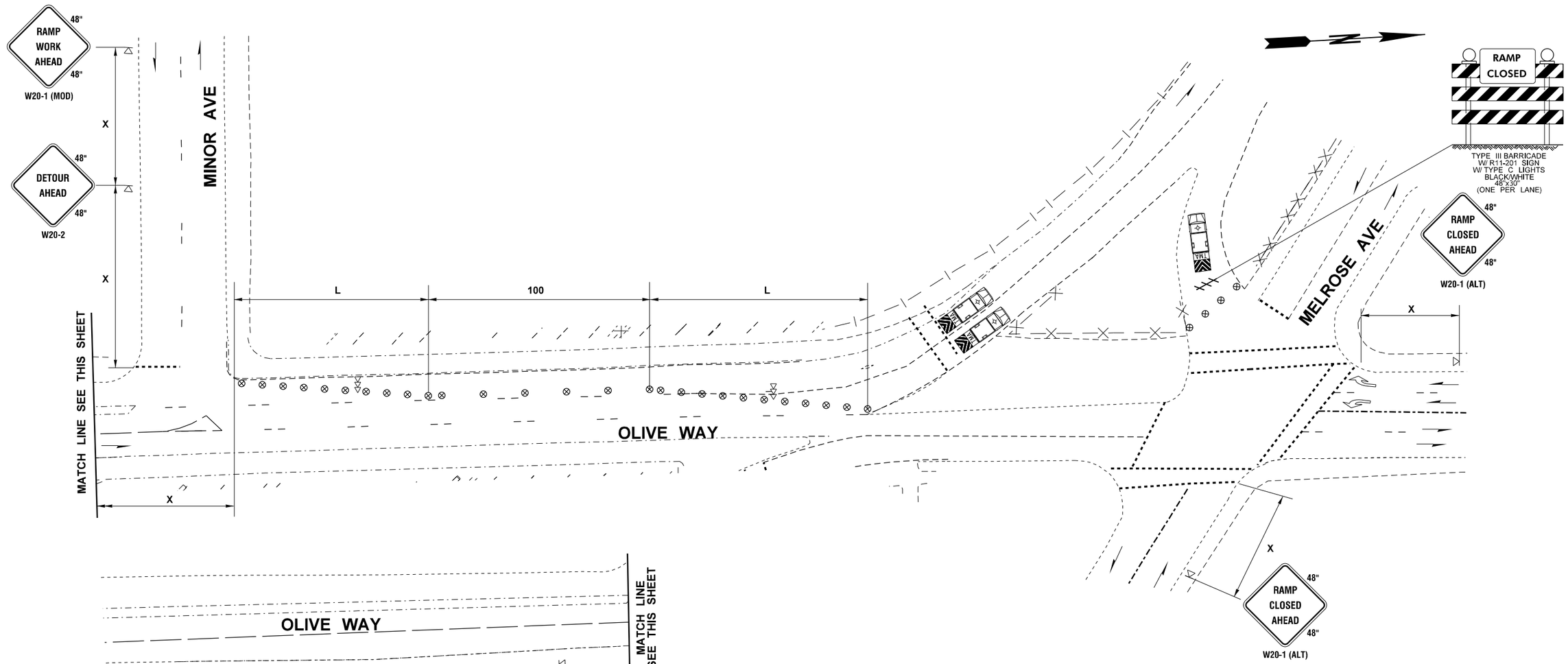
US 2 ET AL.
NWR BREAKAWAY CABLE
TERMINAL REPLACEMENT 21-23

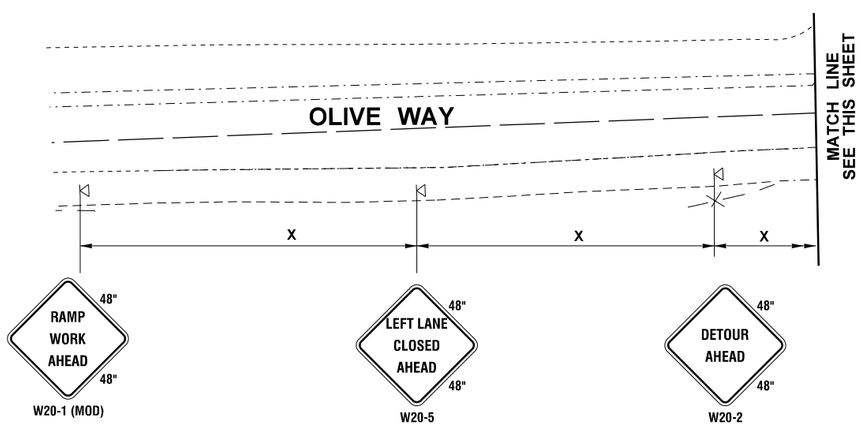
TRAFFIC CONTROL PLAN

Plot 14

PLAN REF NO TC20

SHEET 95 OF 134 SHEETS





I-5, Q1 16662, MP 0.11, I , RT
(OLIVE WAY I-5 NB ON-RAMP)

NOT TO SCALE

NOTES:

1. SEE SHEET TC1 FOR LEGEND, GENERAL NOTES, BUFFER DATA, SIGN SPACING, CHANNELIZATION DEVICE SPACING, AND TAPER LENGTHS.
2. SEE DU4 FOR DETOUR.

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\07_XL6411_PS_TC - I5S.dgn						
TIME	9:59:43 AM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	6/23/2023						
PLOTTED BY	KimKath						
DESIGNED BY	Z. SANETO				JOB NUMBER 22A023		
ENTERED BY	Z. SANETO						
CHECKED BY	N. MENZEL				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

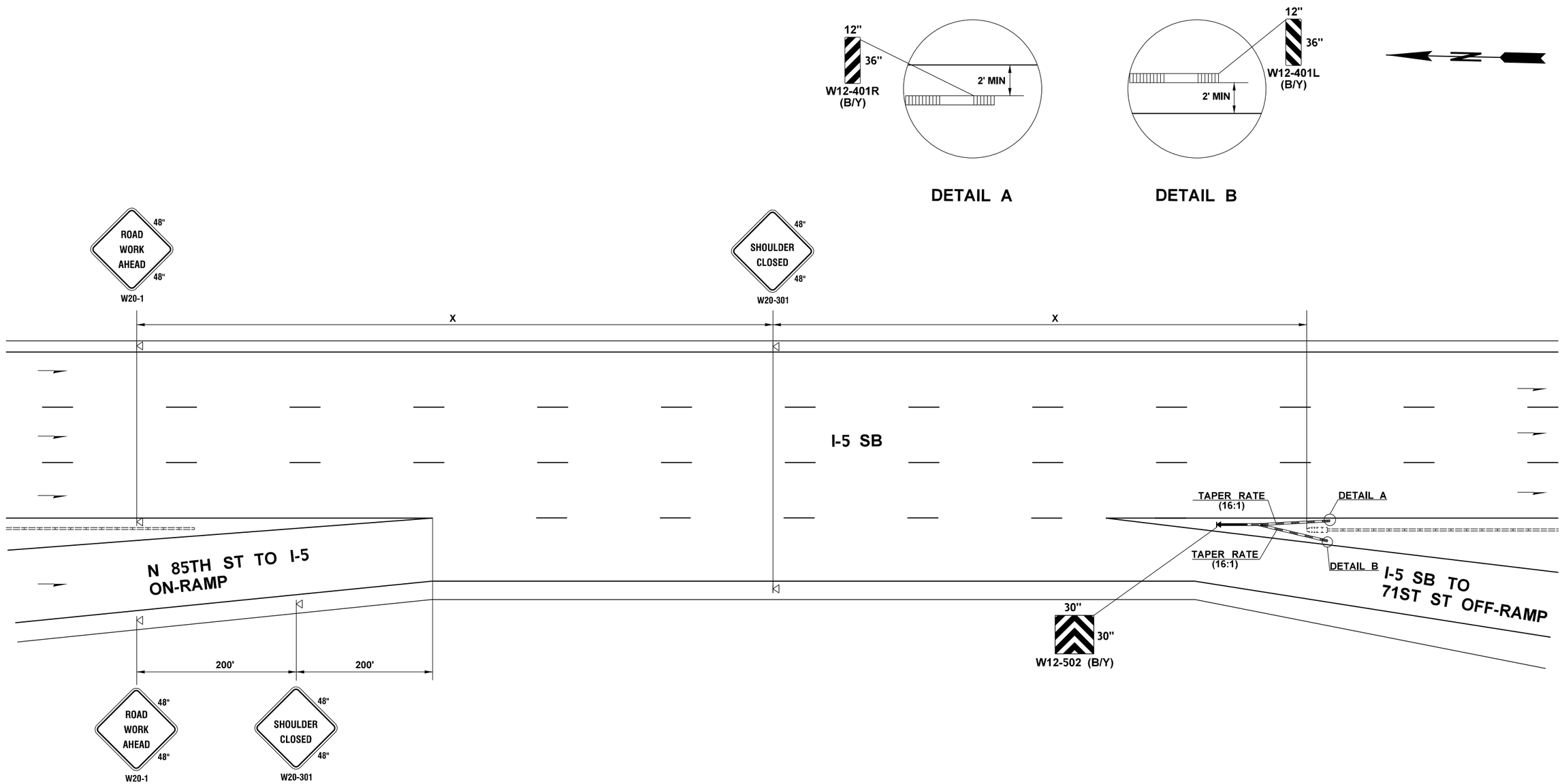
US 2 ET AL.
NWR BREAKAWAY CABLE
TERMINAL REPLACEMENT 21-23

TRAFFIC CONTROL PLAN

Plot 16

PLAN REF NO TC21

SHEET 96 OF 134 SHEETS



I-5, R1 17091, MP 0.15, I, LT (1 OF 2)
(NE 71ST ST I-5 SB OFF-RAMP)
DAYTIME TRAFFIC CONTROL

NOT TO SCALE

NOTES:

1. SEE SHEET TC1 FOR LEGEND, GENERAL NOTES, BUFFER DATA, SIGN SPACING, CHANNELIZATION DEVICE SPACING, AND TAPER LENGTHS.
2. SHEETS TC22 AND TC23 SIGN PLACEMENT AND SEQUENCE IS FOR NON-WORK HOURS ONLY.

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\07_XL6411_PS_TC - I5C.dgn			
TIME	9:47:40 AM			
DATE	6/23/2023			
PLOTTED BY	KimKath			
DESIGNED BY	Z. SANETO			
ENTERED BY	Z. SANETO			
CHECKED BY	N. MENZEL			
PROJ. ENGR.	A. EMERSON			
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22A023		
CONTRACT NO.		LOCATION NO.

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State
Department of Transportation

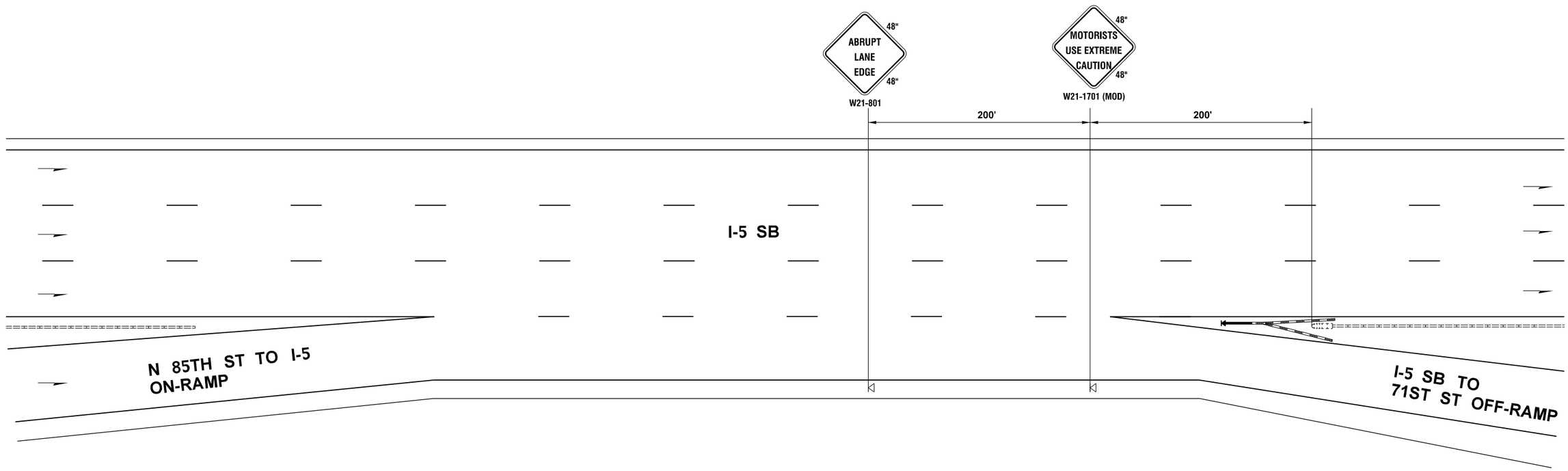
US 2 ET AL.
NWR BREAKAWAY CABLE
TERMINAL REPLACEMENT 21-23

TRAFFIC CONTROL PLAN

Plot 7

PLAN REF NO
TC22

SHEET 97 OF 134 SHEETS



I-5, R1 17091, MP 0.15, I, LT (2 OF 2)
(NE 71ST ST I-5 SB OFF-RAMP)
DAYTIME TRAFFIC CONTROL

NOT TO SCALE

NOTES:

1. SEE SHEET TC1 FOR LEGEND, GENERAL NOTES, BUFFER DATA, SIGN SPACING, CHANNELIZATION DEVICE SPACING, AND TAPER LENGTHS.
2. SHEETS TC22 AND TC23 SIGN PLACEMENT AND SEQUENCE IS FOR NON-WORK HOURS ONLY.

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\07_XL6411_PS_TC - I5C.dgn			
TIME	9:47:50 AM			
DATE	6/23/2023			
PLOTTED BY	KimKath			
DESIGNED BY	Z. SANETO			
ENTERED BY	Z. SANETO			
CHECKED BY	N. MENZEL			
PROJ. ENGR.	A. EMERSON			
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22A023		
CONTRACT NO.		LOCATION NO.

DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State
Department of Transportation

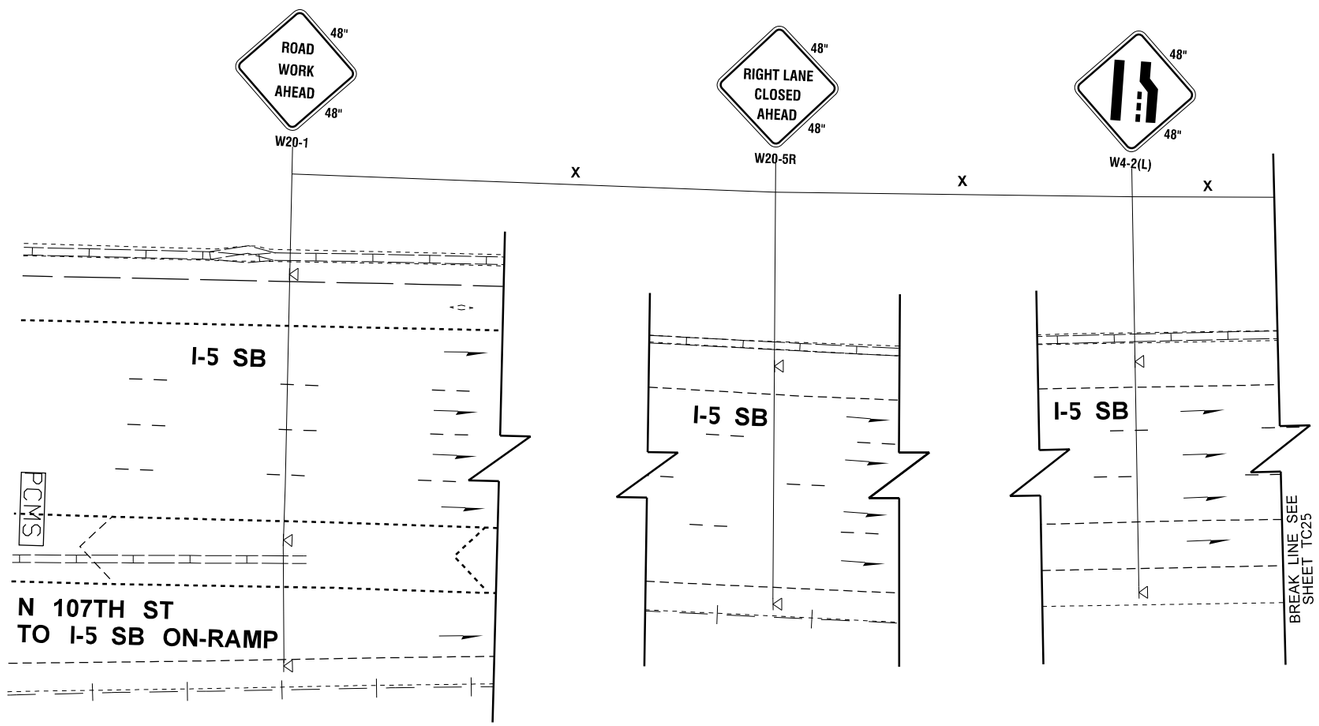
US 2 ET AL.
NWR BREAKAWAY CABLE
TERMINAL REPLACEMENT 21-23

TRAFFIC CONTROL PLAN

Plot 6
PLAN REF NO
TC23
SHEET 98 OF 134 SHEETS

PCMS	
1	2
RIGHT LANE CLOSURE	1 MILE AHEAD
2.0 SEC	2.0 SEC

FIELD LOCATE 1 MILE ± IN ADVANCE OF LANE CLOSURE SIGNING.



I-5, R1 17091, MP 0.15, I, LT (1 OF 5)
(NE 71ST ST I-5 SB OFF-RAMP)

NOT TO SCALE

NOTES:

1. SEE SHEET TC1 FOR LEGEND, GENERAL NOTES, BUFFER DATA, SIGN SPACING, CHANNELIZATION DEVICE SPACING, AND TAPER LENGTHS.
2. SEE DU6 FOR DETOUR.

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\07_XL6411_PS_TC - I5C.dgn					
TIME	9:48:20 AM					
DATE	6/23/2023					
PLOTTED BY	KimKath					
DESIGNED BY	Z. SANETO					
ENTERED BY	K. KIM					
CHECKED BY	N. MENZEL					
PROJ. ENGR.	A. EMERSON					
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY		

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22A023		
CONTRACT NO.		LOCATION NO.

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

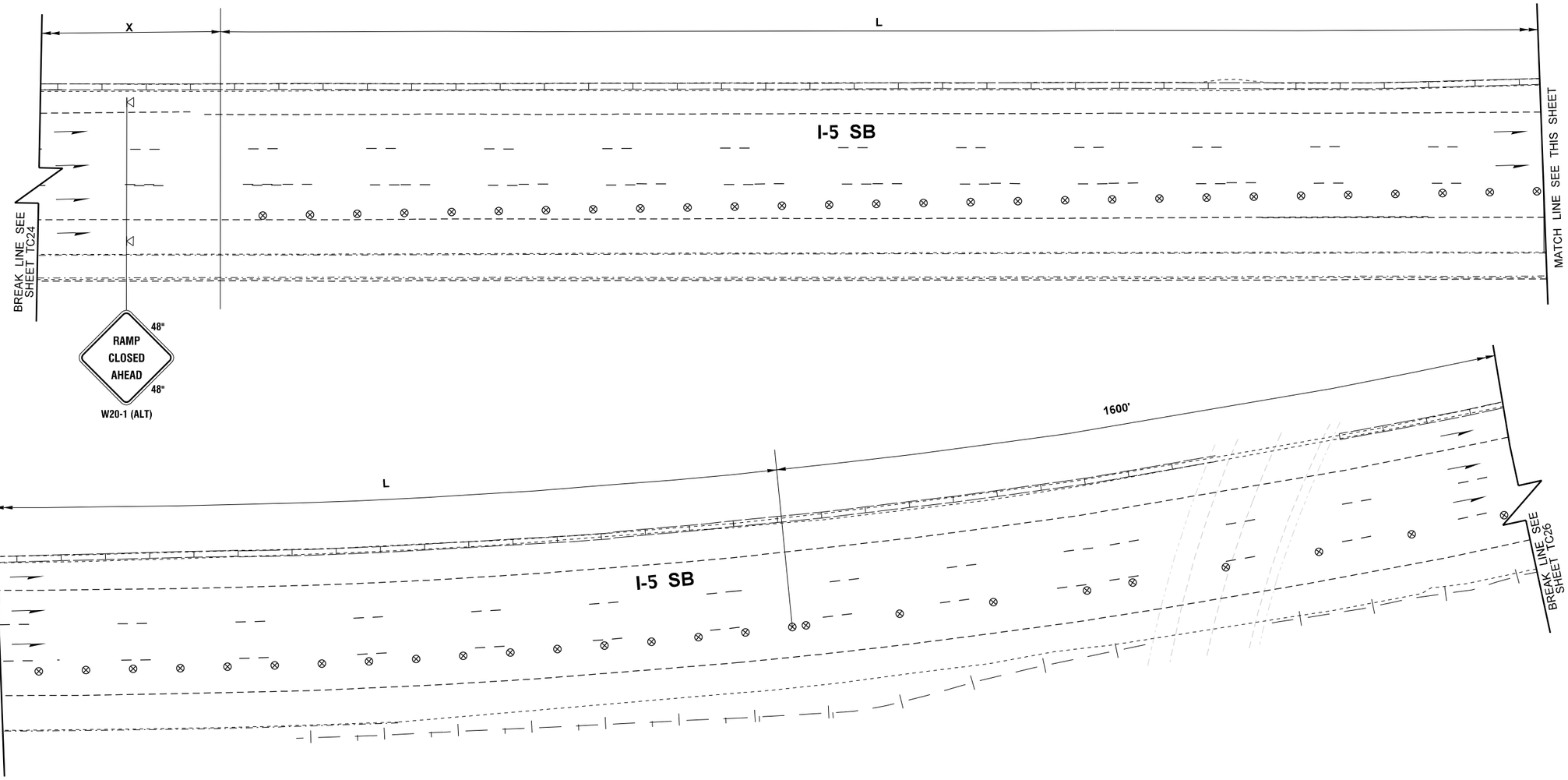
US 2 ET AL.
NWR BREAKAWAY CABLE
TERMINAL REPLACEMENT 21-23

TRAFFIC CONTROL PLAN

Plot 16

PLAN REF NO TC24

SHEET 99 OF 134 SHEETS



I-5, R1 17091, MP 0.15, I, LT (2 OF 5)
(NE 71ST ST I-5 SB OFF-RAMP)

NOT TO SCALE

NOTES:

1. SEE SHEET TC1 FOR LEGEND, GENERAL NOTES, BUFFER DATA, SIGN SPACING, CHANNELIZATION DEVICE SPACING, AND TAPER LENGTHS.
2. SEE DU6 FOR DETOUR.

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\07_XL6411_PS_TC - I5C.dgn						
TIME	9:48:30 AM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	6/23/2023						
PLOTTED BY	KimKath						
DESIGNED BY	Z. SANETO				JOB NUMBER 22A023		
ENTERED BY	K. KIM						
CHECKED BY	N. MENZEL				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

DATE
P.E. STAMP BOX

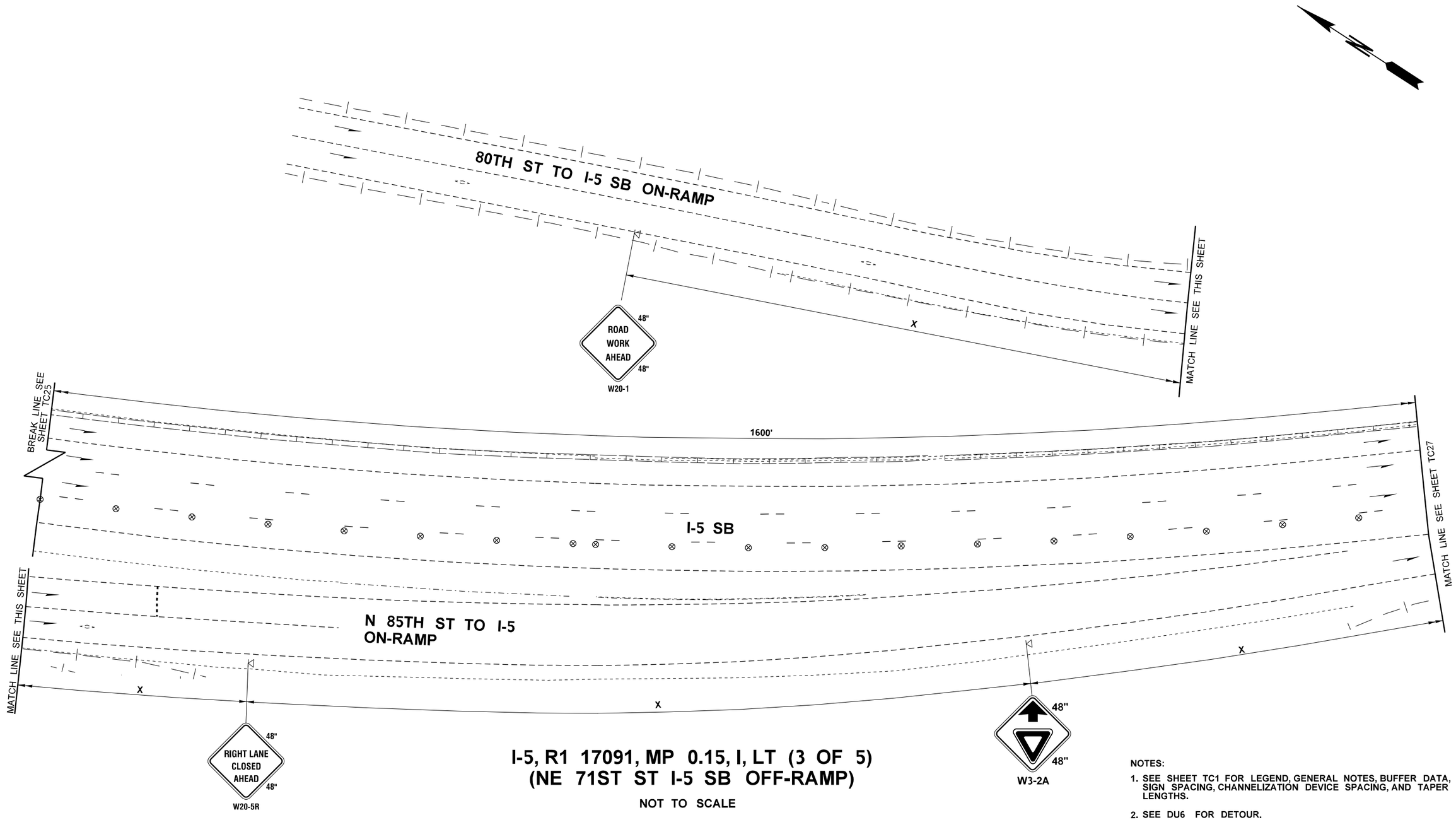
DATE
P.E. STAMP BOX

Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

TRAFFIC CONTROL PLAN

Plot 17
PLAN REF NO TC25
SHEET 100 OF 134 SHEETS



I-5, R1 17091, MP 0.15, I, LT (3 OF 5)
(NE 71ST ST I-5 SB OFF-RAMP)

NOT TO SCALE

NOTES:

1. SEE SHEET TC1 FOR LEGEND, GENERAL NOTES, BUFFER DATA, SIGN SPACING, CHANNELIZATION DEVICE SPACING, AND TAPER LENGTHS.
2. SEE DU6 FOR DETOUR.

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\07_XL6411_PS_TC - I5C.dgn			
TIME	9:48:42 AM			
DATE	6/23/2023			
PLOTTED BY	KimKath			
DESIGNED BY	Z. SANETO			
ENTERED BY	K. KIM			
CHECKED BY	N. MENZEL			
PROJ. ENGR.	A. EMERSON			
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22A023		
CONTRACT NO.		LOCATION NO.

DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

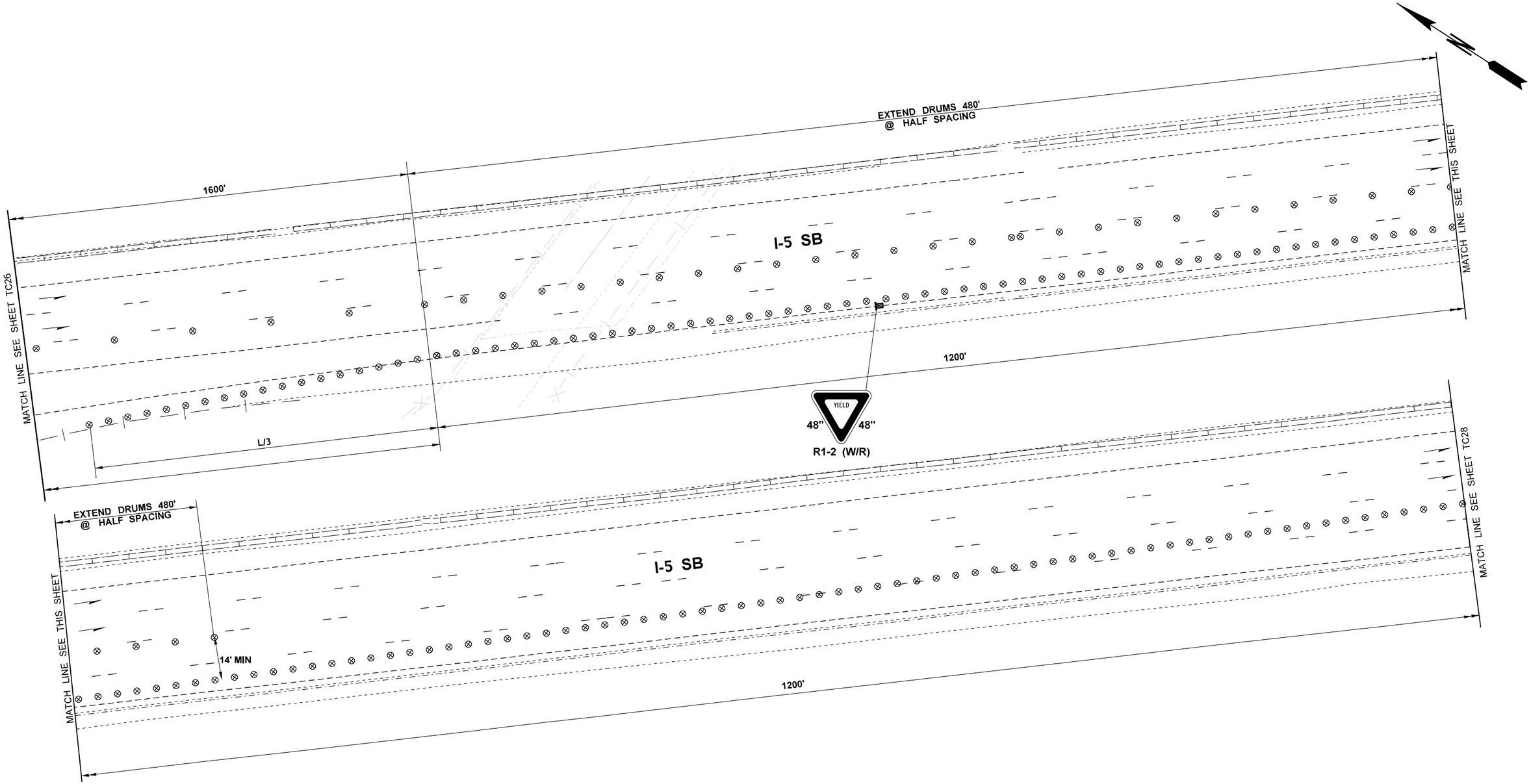
US 2 ET AL.
NWR BREAKAWAY CABLE
TERMINAL REPLACEMENT 21-23

TRAFFIC CONTROL PLAN

Plot 18

PLAN REF NO
TC26

SHEET 101 OF 134 SHEETS



I-5, R1 17091, MP 0.15, I, LT (4 OF 5)
(NE 71ST ST I-5 SB OFF-RAMP)

NOT TO SCALE

NOTES:

1. SEE SHEET TC1 FOR LEGEND, GENERAL NOTES, BUFFER DATA, SIGN SPACING, CHANNELIZATION DEVICE SPACING, AND TAPER LENGTHS.
2. SEE DU6 FOR DETOUR.

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\07_XL6411_PS_TC - I5C.dgn						
TIME	9:48:52 AM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	6/23/2023						
PLOTTED BY	KimKath				JOB NUMBER 22A023		
DESIGNED BY	Z. SANETO						
ENTERED BY	K. KIM						
CHECKED BY	N. MENZEL				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

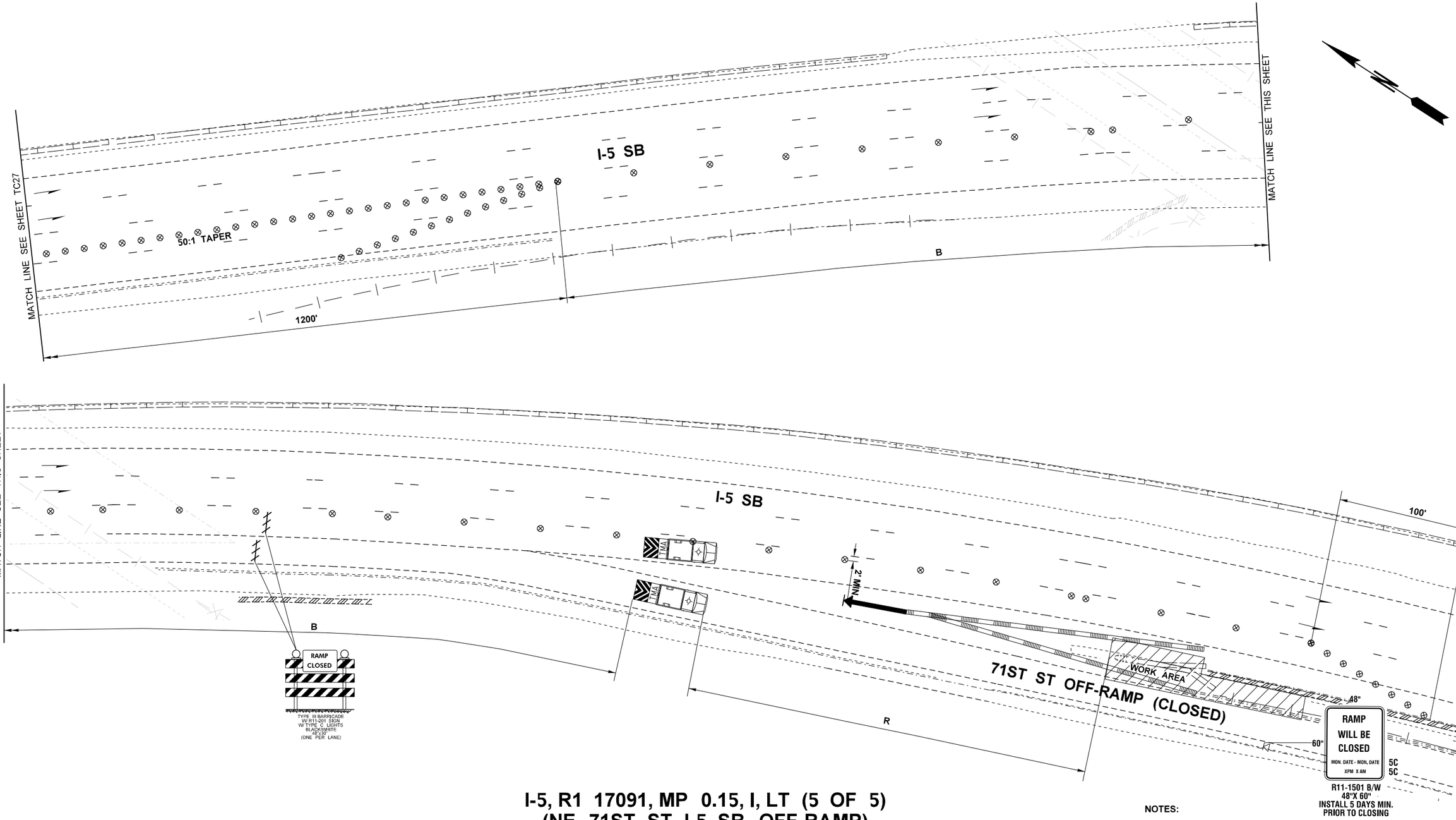
US 2 ET AL.
NWR BREAKAWAY CABLE
TERMINAL REPLACEMENT 21-23

TRAFFIC CONTROL PLAN

Plot 19

PLAN REF NO TC27

SHEET 102 OF 134 SHEETS



I-5, R1 17091, MP 0.15, I, LT (5 OF 5)
(NE 71ST ST I-5 SB OFF-RAMP)

NOT TO SCALE

NOTES:

1. SEE SHEET TC1 FOR LEGEND, GENERAL NOTES, BUFFER DATA, SIGN SPACING, CHANNELIZATION DEVICE SPACING, AND TAPER LENGTHS.
2. SEE DU6 FOR DETOUR.

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\07_XL6411_PS_TC - I5C.dgn						
TIME	9:49:02 AM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	6/23/2023						
PLOTTED BY	KimKath						
DESIGNED BY	Z. SANETO				JOB NUMBER 22A023		
ENTERED BY	K. KIM						
CHECKED BY	N. MENZEL				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

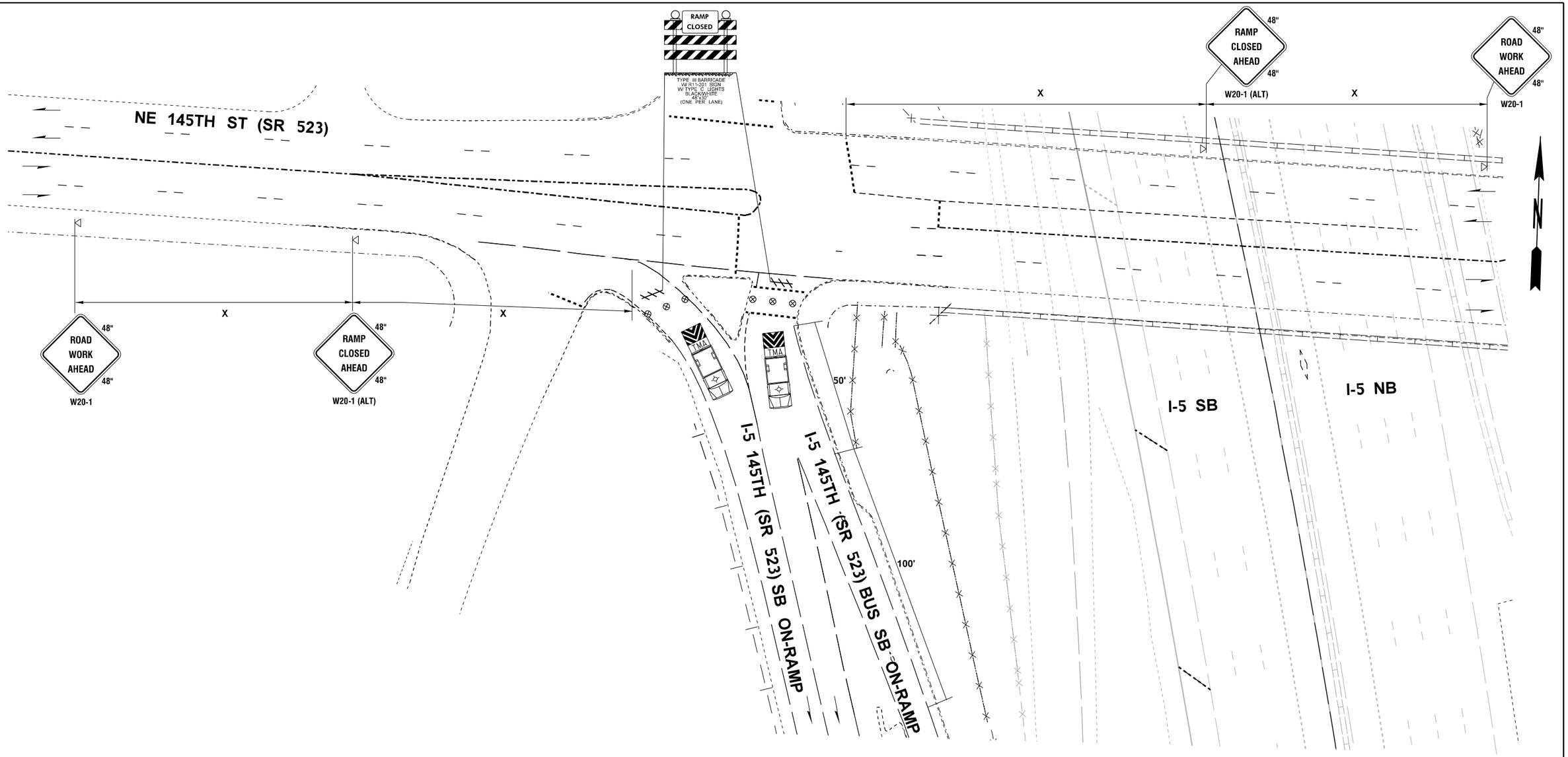
US 2 ET AL.
NWR BREAKAWAY CABLE
TERMINAL REPLACEMENT 21-23

TRAFFIC CONTROL PLAN

Plot 20

PLAN REF NO TC28

SHEET 103 OF 134 SHEETS



I-5, S1 17414, MP 0.28, I, RT (1 OF 2)
(145th ST I-5 SB ON-RAMP)

NOT TO SCALE

NOTES:

1. SEE SHEET TC1 FOR LEGEND, GENERAL NOTES, BUFFER DATA, SIGN SPACING, CHANNELIZATION DEVICE SPACING, AND TAPER LENGTHS.
2. SEE SHEET DU7 FOR DETOUR.

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\07_XL6411_PS_TC - I5C.dgn						
TIME	9:48:00 AM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	6/23/2023						
PLOTTED BY	KimKath						
DESIGNED BY	Z. SANETO				JOB NUMBER 22A023		
ENTERED BY	Z. SANETO						
CHECKED BY	N. MENZEL				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

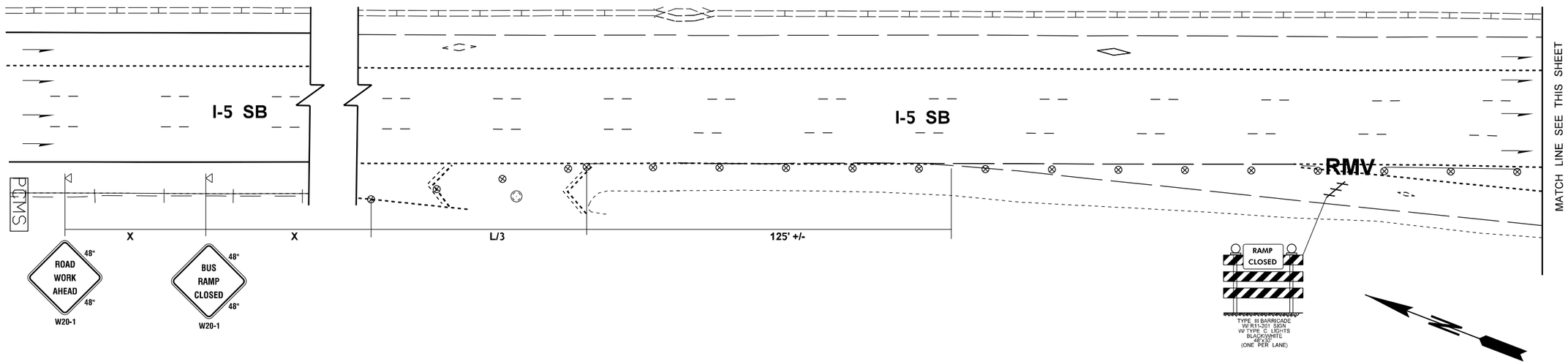
US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

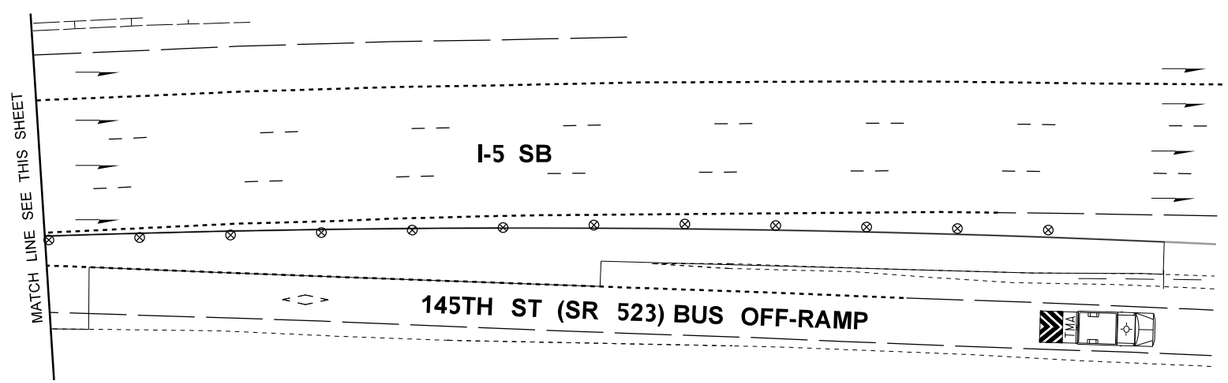
TRAFFIC CONTROL PLAN

Plot 9

PLAN REF NO TC29

SHEET 104 OF 134 SHEETS





PCMS	
1	2
145TH ST BUS RAMP CLOSED	1 MILE AHEAD
2.0 SEC	2.0 SEC

FIELD LOCATE 1 MILE ± IN ADVANCE OF LANE CLOSURE SIGNING.

I-5, S1 17414, MP 0.28, I, RT (2 OF 2)
(145th ST I-5 SB ON-RAMP)

NOT TO SCALE

NOTES:

1. SEE SHEET TC1 FOR LEGEND, GENERAL NOTES, BUFFER DATA, SIGN SPACING, CHANNELIZATION DEVICE SPACING, AND TAPER LENGTHS.
2. SEE SHEET DU7 FOR DETOUR.

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\07_XL6411_PS_TC - I5C.dgn						
TIME	9:48:11 AM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	6/23/2023						
PLOTTED BY	KimKath						
DESIGNED BY	Z. SANETO				JOB NUMBER 22A023		
ENTERED BY	Z. SANETO						
CHECKED BY	N. MENZEL				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

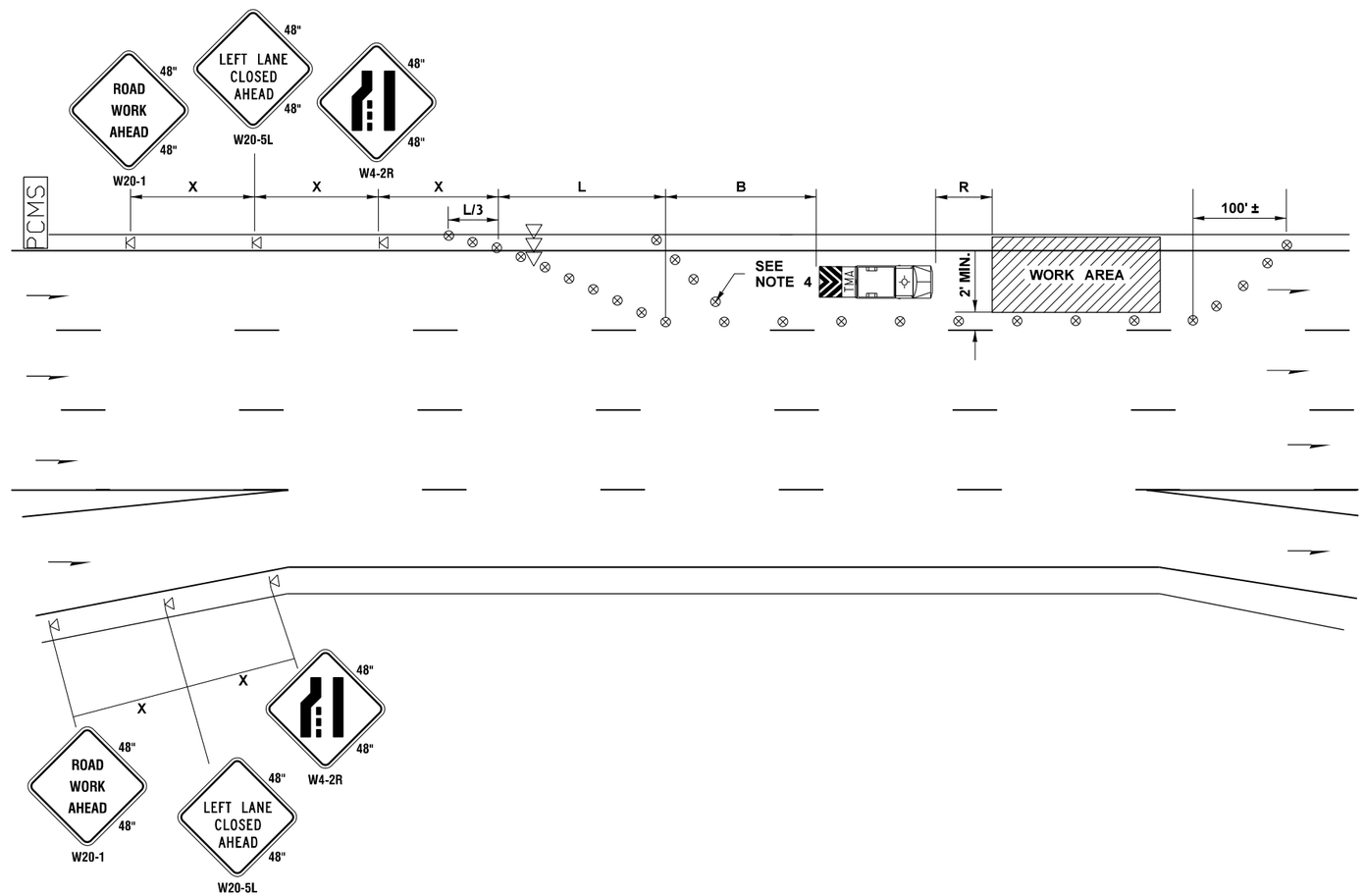
US 2 ET AL.
NWR BREAKAWAY CABLE
TERMINAL REPLACEMENT 21-23

TRAFFIC CONTROL PLAN

Plot 12
PLAN REF NO
TC30
SHEET 105 OF 134 SHEETS

PCMS	
1	2
LEFT LANE CLOSED	1 MILE AHEAD
2.0 SEC	2.0 SEC

FIELD LOCATE 1 MILE ± IN ADVANCE OF LANE CLOSURE SIGNING.



I-5, MP 215.00, NB, LT - LEFT SINGLE-LANE CLOSURE

NOT TO SCALE

NOTES:

1. SEE SHEET TC1 FOR LEGEND, GENERAL NOTES, BUFFER DATA, SIGN SPACING, CHANNELIZATION DEVICE SPACING, AND TAPER LENGTHS.
4. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' - WHEN OPERATIONS ALLOWED.

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\07_XL6411_PS_TC - I5N.dgn			
TIME	9:53:59 AM			
DATE	6/23/2023			
PLOTTED BY	KimKath			
DESIGNED BY	Z. SANETO			
ENTERED BY	Z. SANETO			
CHECKED BY	N. MENZEL			
PROJ. ENGR.	A. EMERSON			
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22A023		
CONTRACT NO.		LOCATION NO.

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

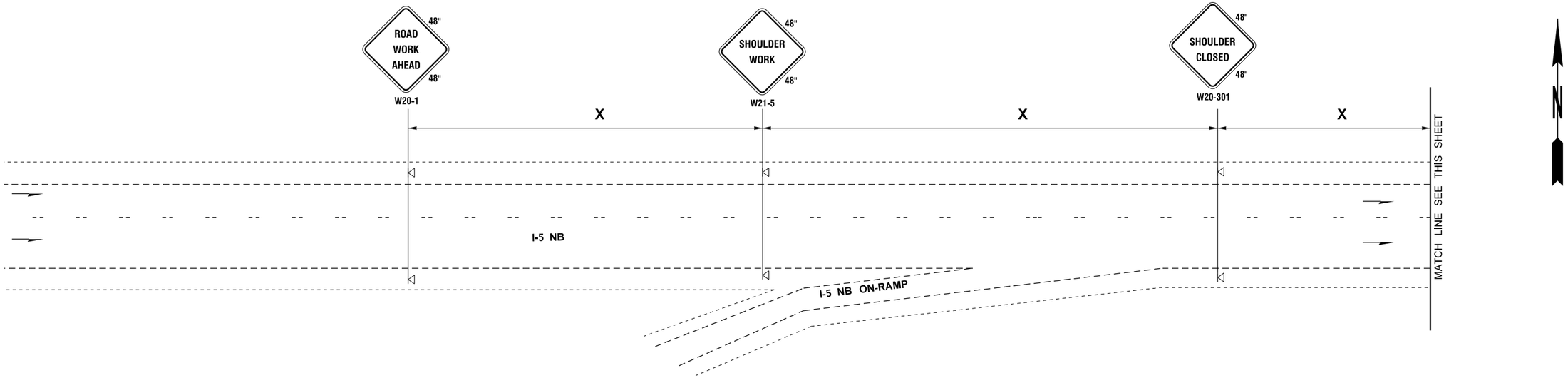
US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

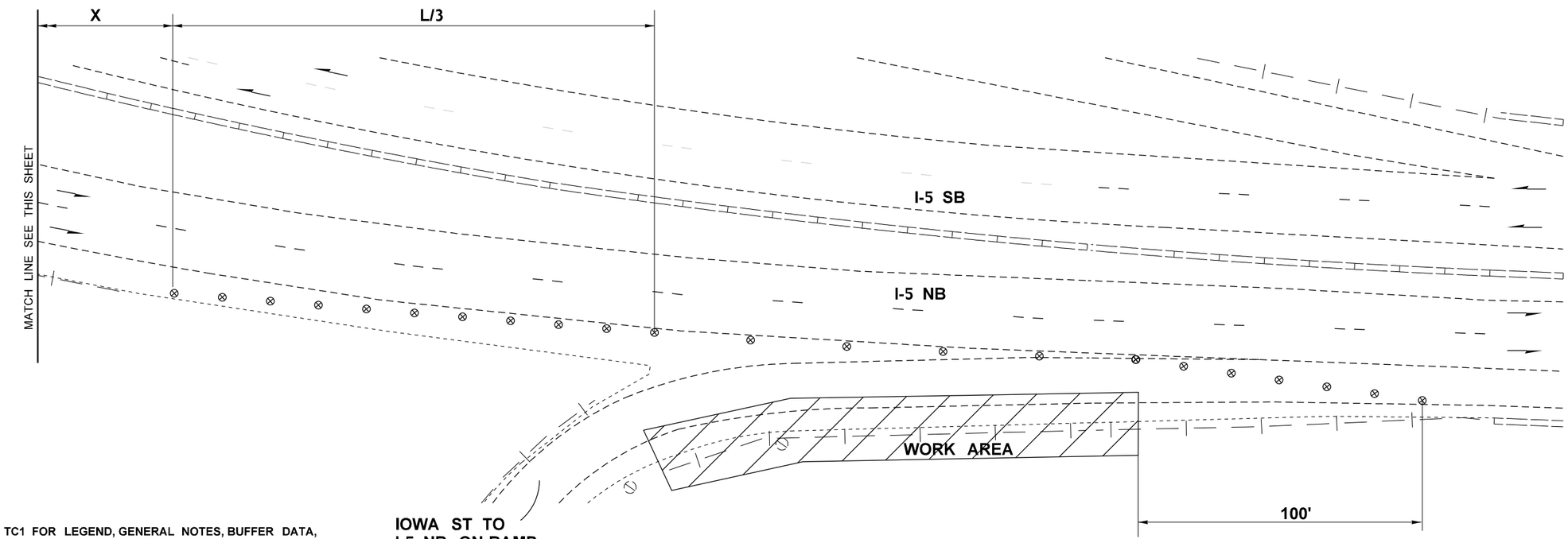
TRAFFIC CONTROL PLAN

Plot 23

PLAN REF NO TC31

SHEET 106 OF 134 SHEETS





NOTES:

1. SEE SHEET TC1 FOR LEGEND, GENERAL NOTES, BUFFER DATA, SIGN SPACING, CHANNELIZATION DEVICE SPACING, AND TAPER LENGTHS.
2. SEE SHEET DU8 FOR DETOUR PLAN.
3. SEE TC33 FOR RAMP CLOSURE DETAILS.

I-5, Q5 25410, MP 0.10, I, RT (1 OF 2)
(IOWA ST I-5 NB ON-RAMP)

NOT TO SCALE

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\07_XL6411_PS_TC - I5N.dgn						
TIME	9:54:06 AM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	6/23/2023						
PLOTTED BY	KimKath				JOB NUMBER 22A023		
DESIGNED BY	Z. SANETO						
ENTERED BY	Z. SANETO						
CHECKED BY	N. MENZEL				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

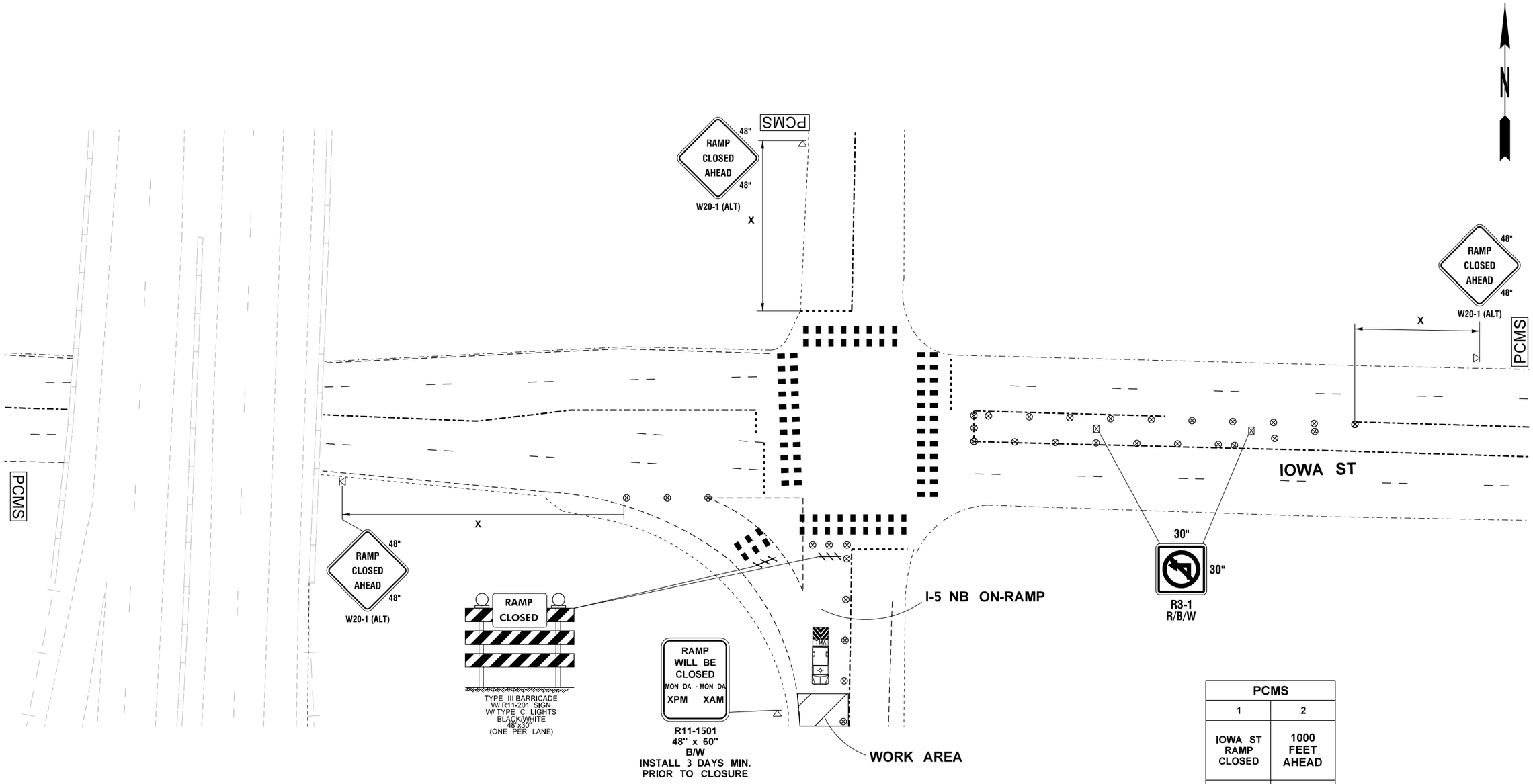
US 2 ET AL.
NWR BREAKAWAY CABLE
TERMINAL REPLACEMENT 21-23

TRAFFIC CONTROL PLAN

Plot 28

PLAN REF NO TC32

SHEET 107 OF 134 SHEETS



PCMS	
1	2
IOWA ST RAMP CLOSED	1000 FEET AHEAD
2.0 SEC	2.0 SEC

FIELD LOCATE IN ADVANCE OF LANE CLOSURE TAPER.

NOTES:

1. SEE SHEET TC1 FOR LEGEND, GENERAL NOTES, BUFFER DATA, SIGN SPACING, CHANNELIZATION DEVICE SPACING, AND TAPER LENGTHS.
2. SEE SHEET DU8 FOR DETOUR PLAN.

I-5, Q5 25410, MP 0.10, I, RT (2 OF 2)
(IOWA ST I-5 NB ON-RAMP)

NOT TO SCALE

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\07_XL6411_PS_TC - I5N.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	9:54:15 AM				JOB NUMBER 22A023		
DATE	6/23/2023				CONTRACT NO.		LOCATION NO.
PLOTTED BY	KimKath						
DESIGNED BY	Z. SANETO						
ENTERED BY	Z. SANETO						
CHECKED BY	N. MENZEL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

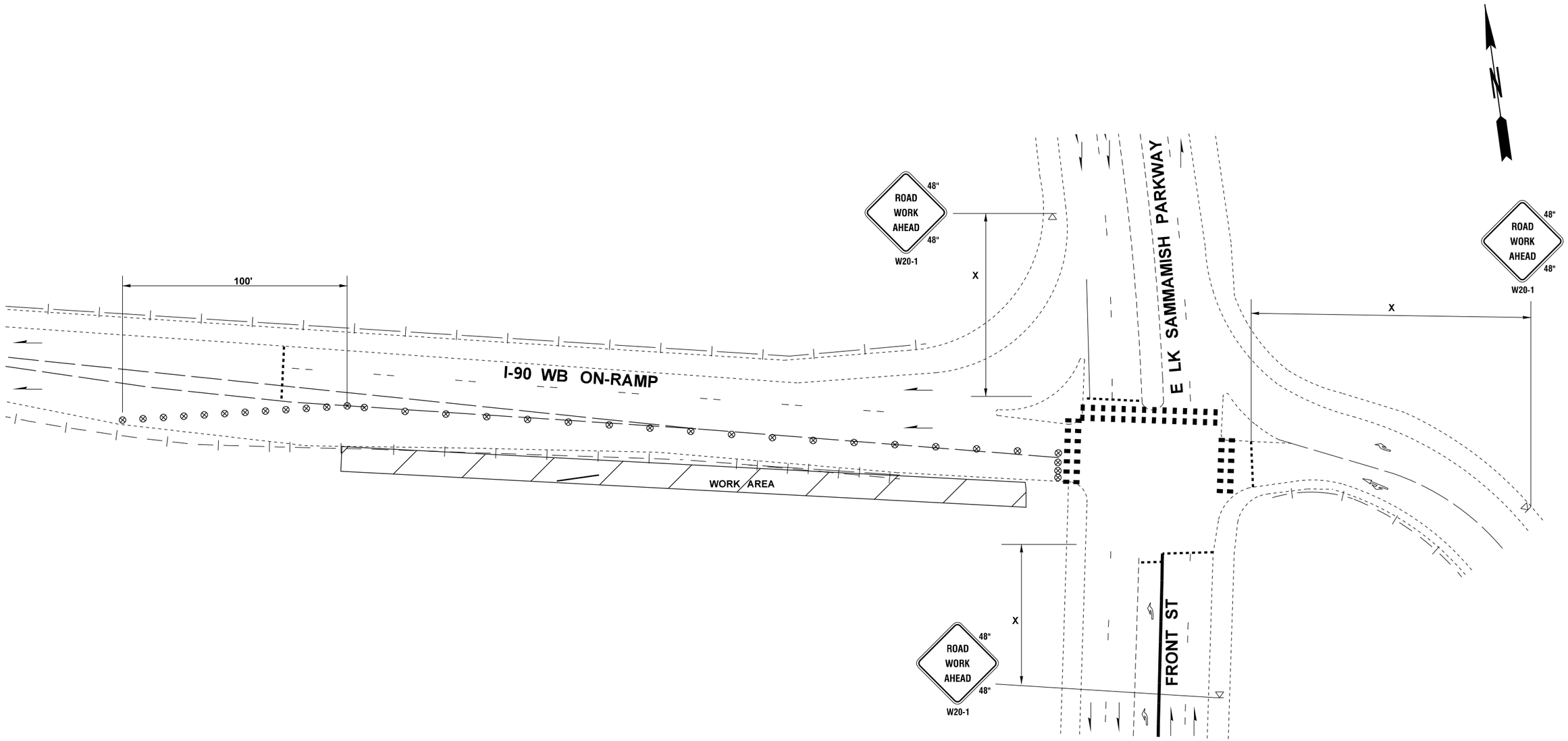
US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

TRAFFIC CONTROL PLAN

Plot 25

PLAN REF NO TC33

SHEET 108 OF 134 SHEETS



NOTES:

1. SEE SHEET TC1 FOR LEGEND, GENERAL NOTES, BUFFER DATA, SIGN SPACING, CHANNELIZATION DEVICE SPACING, AND TAPER LENGTHS.

I-90, S1 01654, MP 0.02, I, LT -
(E LK SAMMAMISH PKWY I-90 WB ON-RAMP)

NOT TO SCALE

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\07_XL6411_PS_TC - I-90.dgn			
TIME	10:04:27 AM			
DATE	6/23/2023			
PLOTTED BY	KimKath			
DESIGNED BY	Z. SANETO			
ENTERED BY	Z. SANETO			
CHECKED BY	N. MENZEL			
PROJ. ENGR.	A. EMERSON			
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22A023		
CONTRACT NO.		LOCATION NO.

DATE
P.E. STAMP BOX

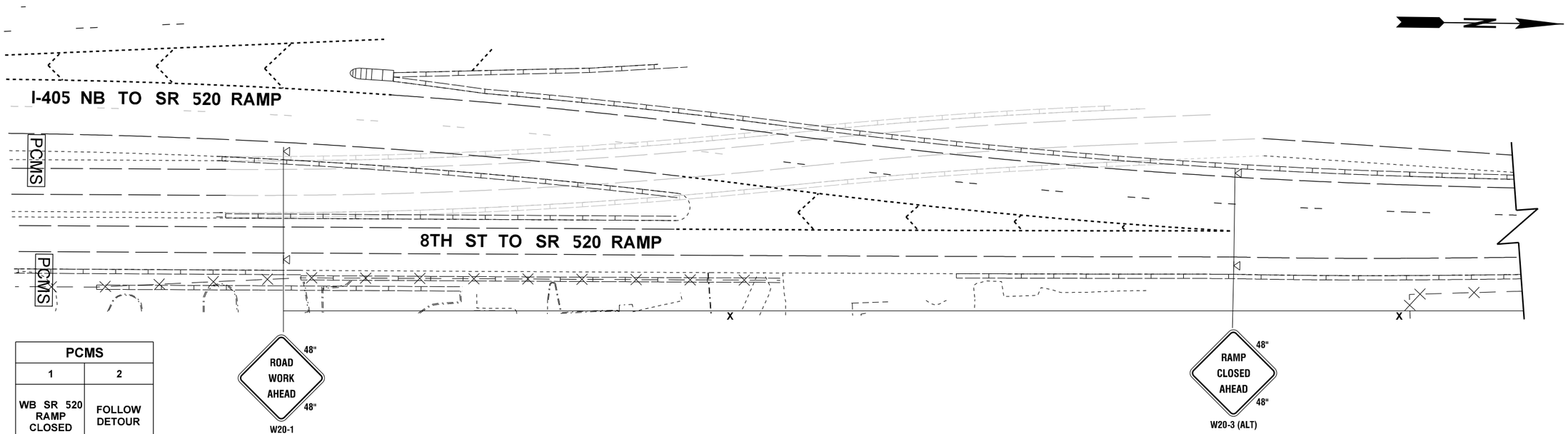
DATE
P.E. STAMP BOX

Washington State
Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE
TERMINAL REPLACEMENT 21-23

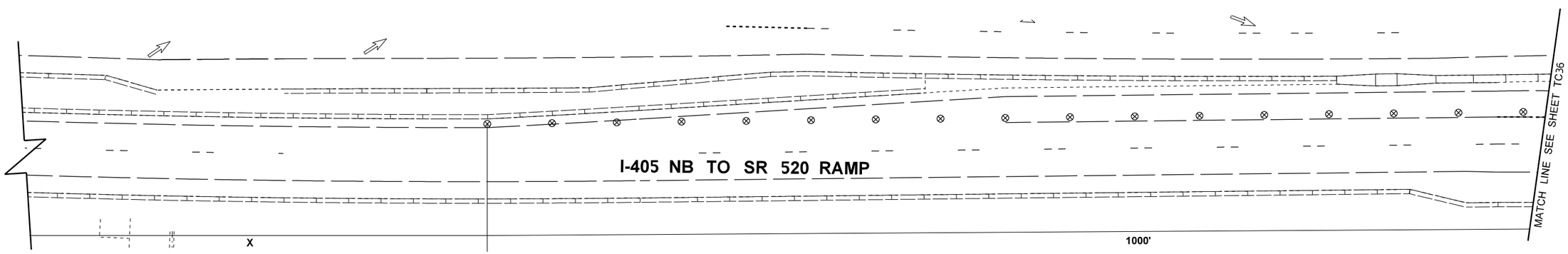
TRAFFIC CONTROL PLAN

Plot 20
PLAN REF NO
TC34
SHEET 109 OF 134 SHEETS



PCMS	
1	2
WB SR 520 RAMP CLOSED	FOLLOW DETOUR
2.0 SEC	2.0 SEC

FIELD LOCATE IN
ADVANCE OF LANE CLOSURE SIGNING.



I-405, P3 01406, (MP 0.27, 0.28, 0.40), I, LT & RT (1 OF 2)
(I-405 NB TO SR 520 WB RAMP)

NOT TO SCALE

NOTES:

1. SEE SHEET TC1 FOR LEGEND, GENERAL NOTES, BUFFER DATA, SIGN SPACING, CHANNELIZATION DEVICE SPACING, AND TAPER LENGTHS.
2. SEE DU9 FOR DETOUR.

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\07_XL6411_PS_TC - I405.dgn			
TIME	10:08:01 AM			
DATE	6/23/2023			
PLOTTED BY	KimKath			
DESIGNED BY	Z. SANETO			
ENTERED BY	Z. SANETO			
CHECKED BY	N. MENZEL			
PROJ. ENGR.	A. EMERSON			
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22A023		
CONTRACT NO.		LOCATION NO.

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State
Department of Transportation

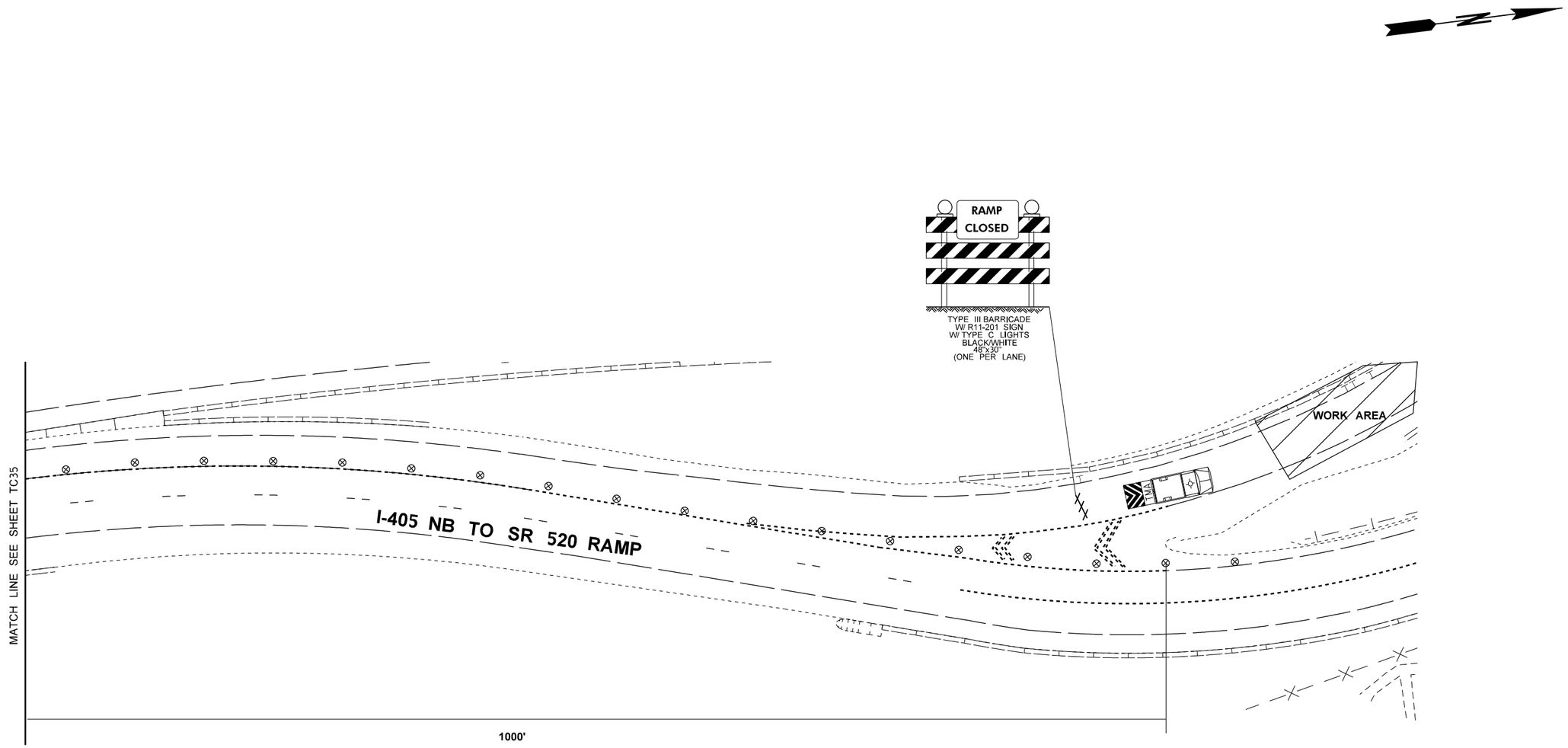
US 2 ET AL.
NWR BREAKAWAY CABLE
TERMINAL REPLACEMENT 21-23

TRAFFIC CONTROL PLAN

Plot 11

PLAN REF NO TC35

SHEET 110 OF 134 SHEETS



I-405, P3 01406, (MP 0.27, 0.28, 0.40), I, LT & RT (2 OF 2)
(I-405 NB TO SR 520 WB RAMP)

NOT TO SCALE

NOTES:

1. SEE SHEET TC1 FOR LEGEND, GENERAL NOTES, BUFFER DATA, SIGN SPACING, CHANNELIZATION DEVICE SPACING, AND TAPER LENGTHS.
2. SEE DU9 FOR DETOUR.

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\07_XL6411_PS_TC - I405.dgn						
TIME	10:08:11 AM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	6/23/2023						
PLOTTED BY	KimKath				JOB NUMBER 22A023		
DESIGNED BY	Z. SANETO						
ENTERED BY	Z. SANETO				CONTRACT NO.		LOCATION NO.
CHECKED BY	N. MENZEL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State
Department of Transportation

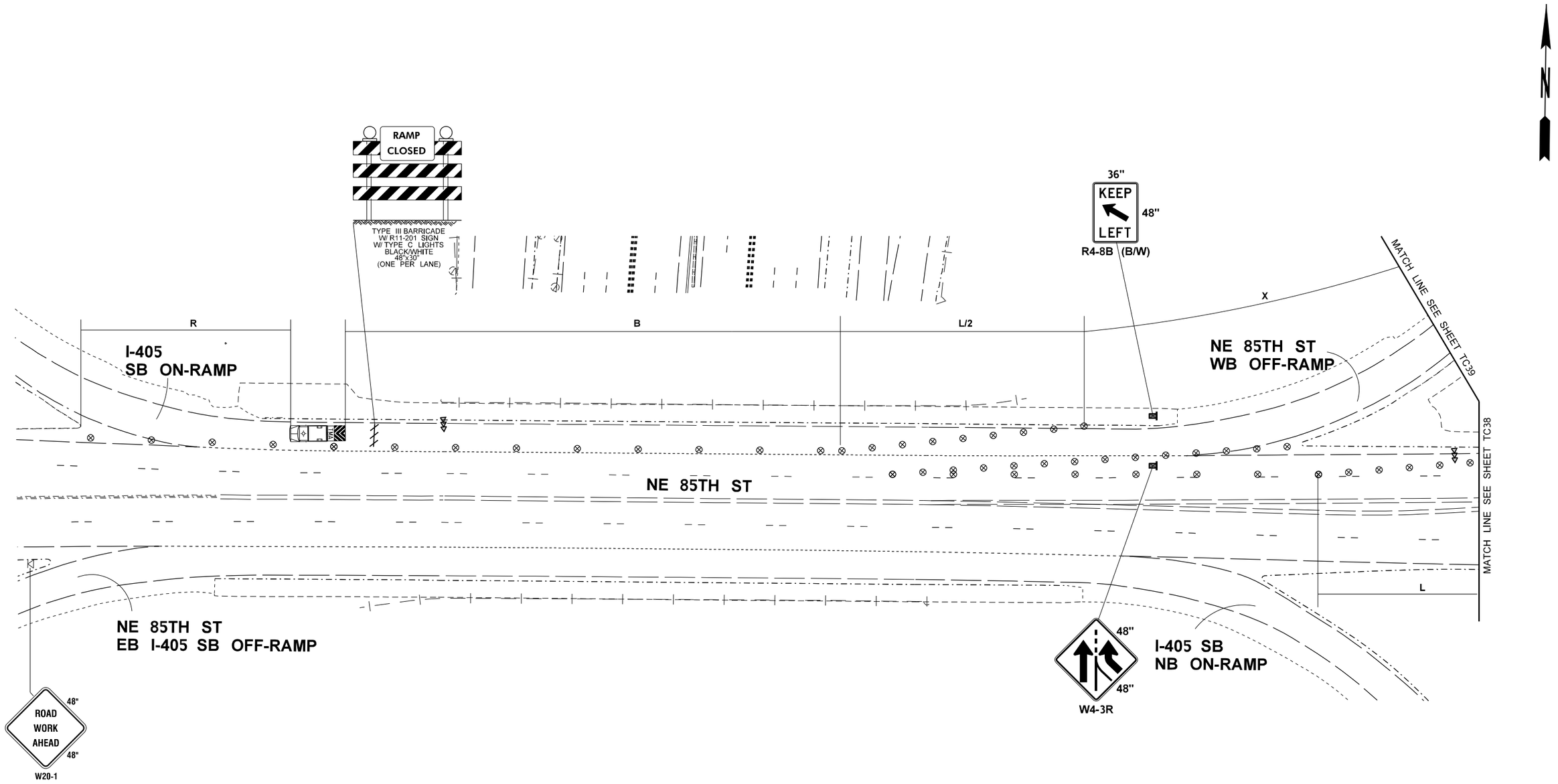
US 2 ET AL.
NWR BREAKAWAY CABLE
TERMINAL REPLACEMENT 21-23

TRAFFIC CONTROL PLAN

Plot 12

PLAN REF NO
TC36

SHEET
111
OF
134
SHEETS



I-405, S5 01815; MP 0.18, I, RT (1 OF 4)
(85TH ST TO I-405 SB ON-RAMP)

NOT TO SCALE

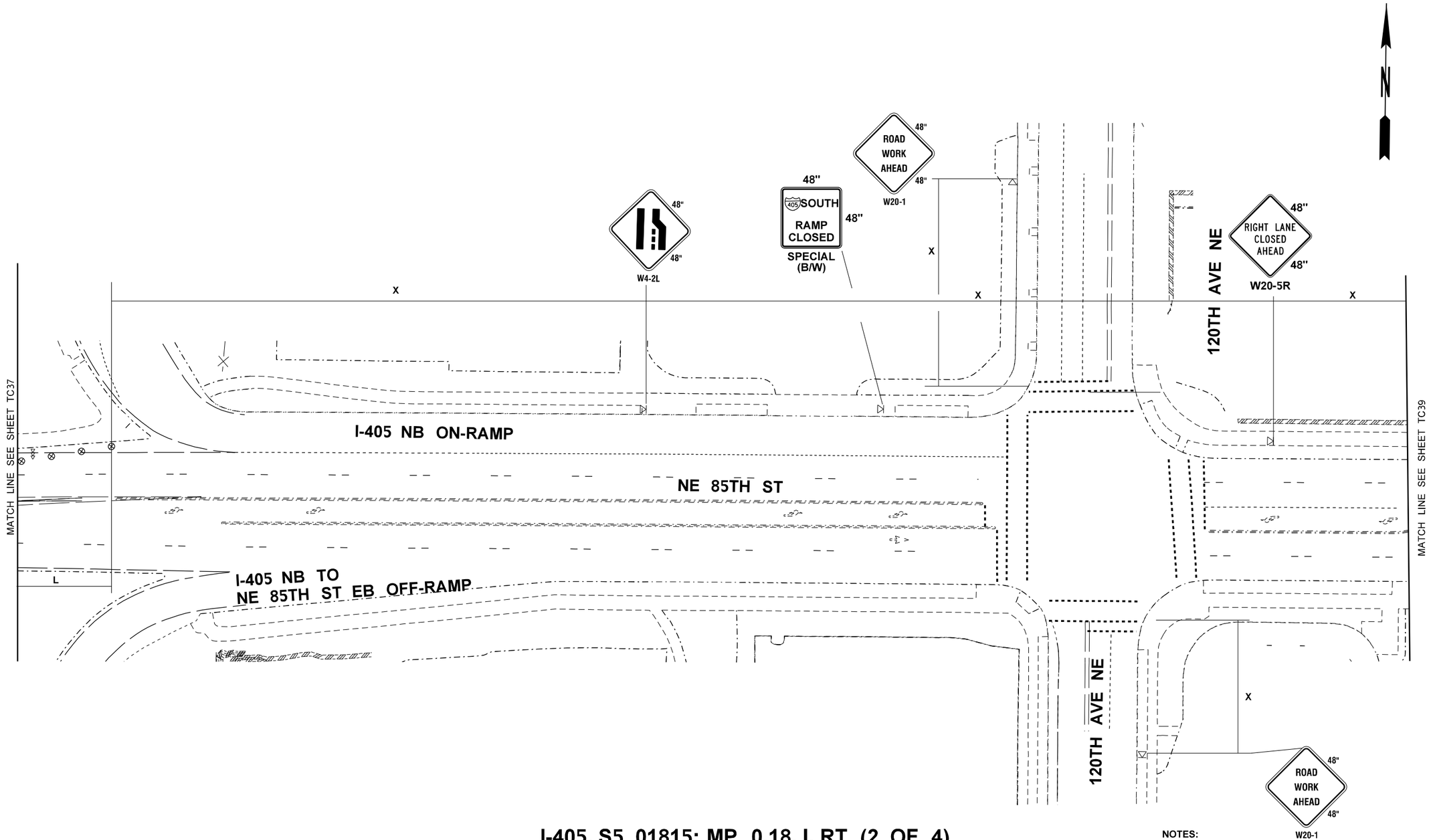
NOTES:

1. SEE SHEET TC1 FOR LEGEND, GENERAL NOTES, BUFFER DATA, SIGN SPACING, CHANNELIZATION DEVICE SPACING, AND TAPER LENGTHS.
2. SEE DU10 FOR DETOUR.

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\07_XL6411_PS_TC - I405.dgn								Plot 13
TIME	10:08:20 AM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.	Washington State Department of Transportation	US 2 ET AL. NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23	PLAN REF NO TC37
DATE	6/23/2023									
PLOTTED BY	KimKath									
DESIGNED BY	Z. SANETO				JOB NUMBER 22A023					SHEET 112 OF 134 SHEETS
ENTERED BY	Z. SANETO									
CHECKED BY	N. MENZEL				CONTRACT NO.		LOCATION NO.			
PROJ. ENGR.	A. EMERSON									
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY					TRAFFIC CONTROL PLAN	

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE



I-405, S5 01815; MP 0.18, I, RT (2 OF 4)
(85TH ST TO I-405 SB ON-RAMP)

NOT TO SCALE

NOTES:

1. SEE SHEET TC1 FOR LEGEND, GENERAL NOTES, BUFFER DATA, SIGN SPACING, CHANNELIZATION DEVICE SPACING, AND TAPER LENGTHS.
2. SEE DU10 FOR DETOUR.

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\07_XL6411_PS_TC - I405.dgn						
TIME	10:08:29 AM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	6/23/2023						
PLOTTED BY	KimKath						
DESIGNED BY	Z. SANETO				JOB NUMBER 22A023		
ENTERED BY	Z. SANETO						
CHECKED BY	N. MENZEL				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE
TERMINAL REPLACEMENT 21-23

TRAFFIC CONTROL PLAN

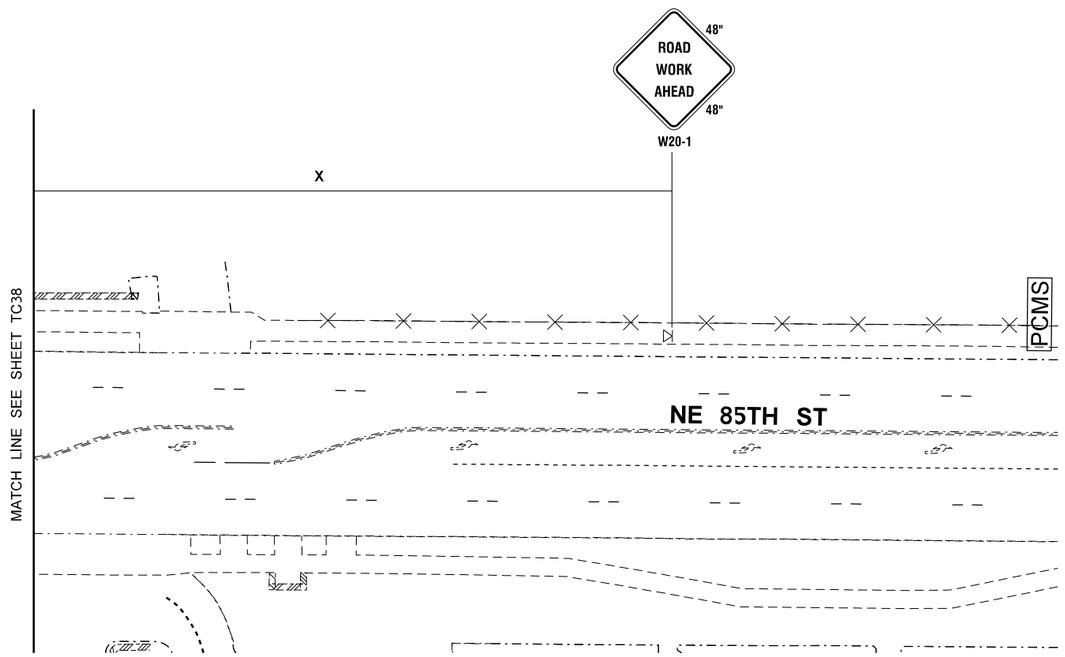
Plot 14

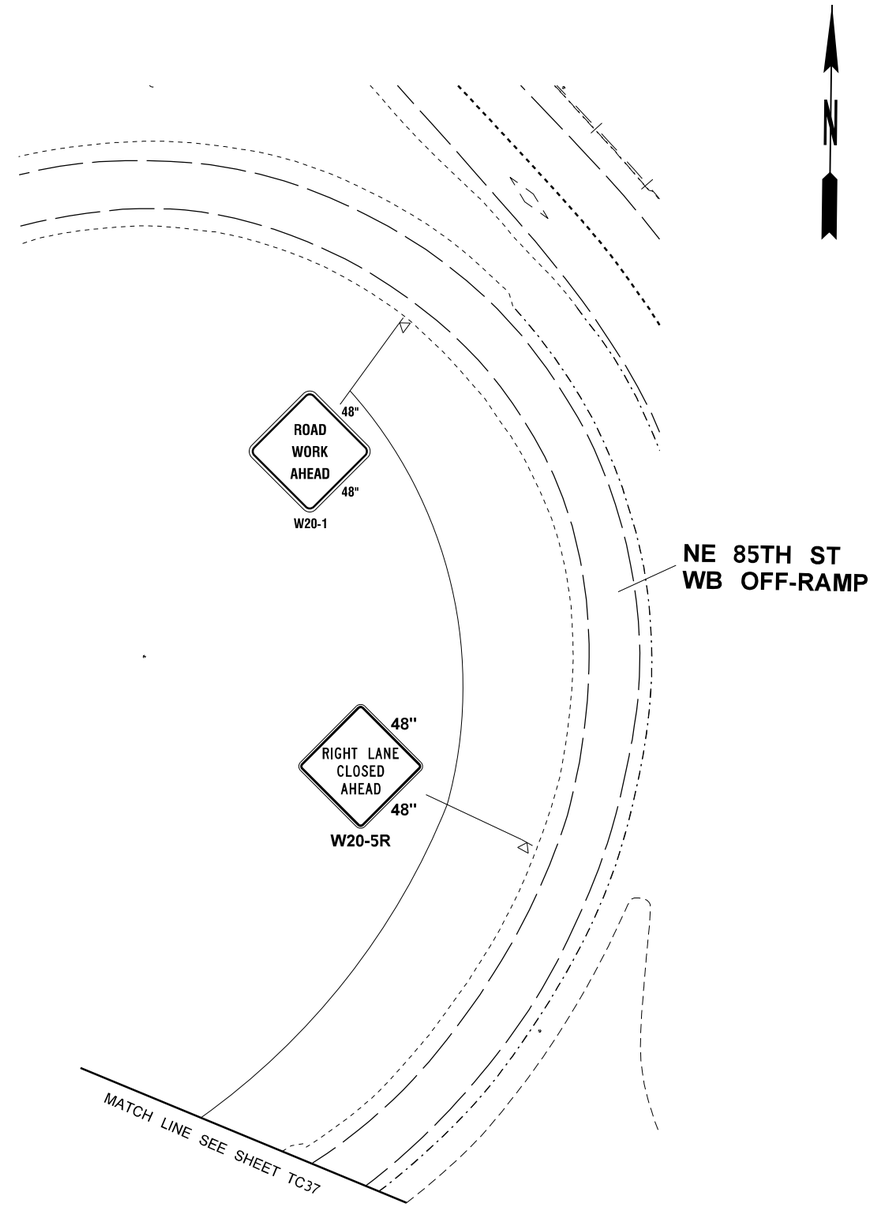
PLAN REF NO TC38

SHEET 113 OF 134 SHEETS

PCMS	
1	2
SB I-405 RAMP CLOSED	FOLLOW DETOUR
2.0 SEC	2.0 SEC

PLACE PCMS AT LEAST 2 WEEKS IN ADVANCE OF CLOSURE





I-405, S5 01815; MP 0.18, I, RT (3 OF 4)
(85TH ST TO I-405 SB ON-RAMP)

NOT TO SCALE

NOTES:

1. SEE SHEET TC1 FOR LEGEND, GENERAL NOTES, BUFFER DATA, SIGN SPACING, CHANNELIZATION DEVICE SPACING, AND TAPER LENGTHS.
2. SEE DU10 FOR DETOUR.

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\07_XL6411_PS_TC - I405.dgn				
TIME	10:08:39 AM				
DATE	6/23/2023				
PLOTTED BY	KimKath				
DESIGNED BY	Z. SANETO				
ENTERED BY	Z. SANETO				
CHECKED BY	N. MENZEL				
PROJ. ENGR.	A. EMERSON				
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY	

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22A023		
CONTRACT NO.		LOCATION NO.

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

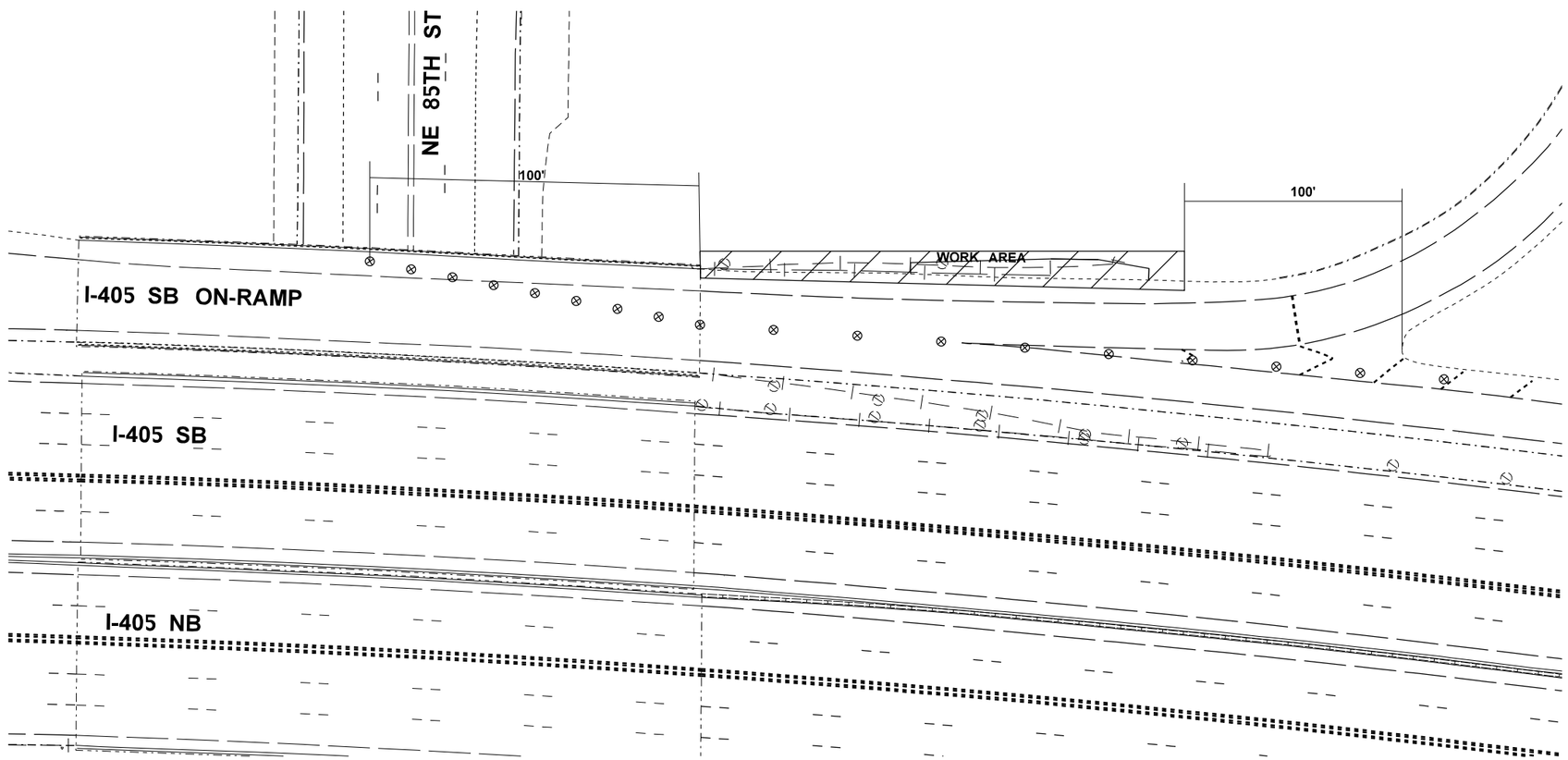
US 2 ET AL.
NWR BREAKAWAY CABLE
TERMINAL REPLACEMENT 21-23

TRAFFIC CONTROL PLAN

Plot 15

PLAN REF NO TC39

SHEET 114 OF 134 SHEETS



I-405, S5 01815; MP 0.18, I, RT (4 OF 4)
(85TH ST TO I-405 SB ON-RAMP)

NOT TO SCALE

NOTES:

1. SEE SHEET TC1 FOR LEGEND, GENERAL NOTES, BUFFER DATA, SIGN SPACING, CHANNELIZATION DEVICE SPACING, AND TAPER LENGTHS.
2. SEE DU10 FOR DETOUR.

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\07_XL6411_PS_TC - I405.dgn			
TIME	10:08:50 AM			
DATE	6/23/2023			
PLOTTED BY	KimKath			
DESIGNED BY	Z. SANETO			
ENTERED BY	Z. SANETO			
CHECKED BY	N. MENZEL			
PROJ. ENGR.	A. EMERSON			
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22A023		
CONTRACT NO.		LOCATION NO.

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

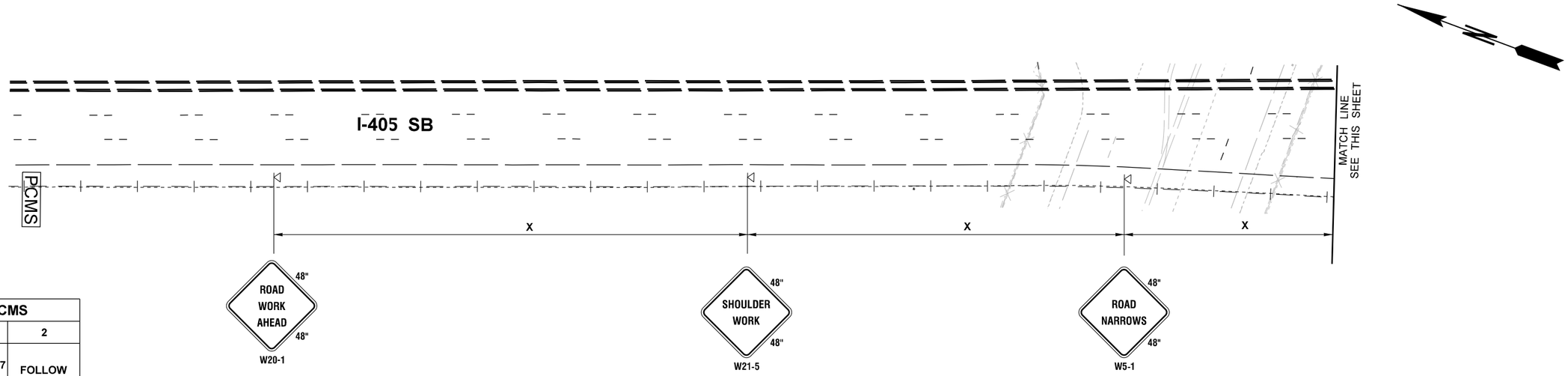
US 2 ET AL.
NWR BREAKAWAY CABLE
TERMINAL REPLACEMENT 21-23

TRAFFIC CONTROL PLAN

Plot 16

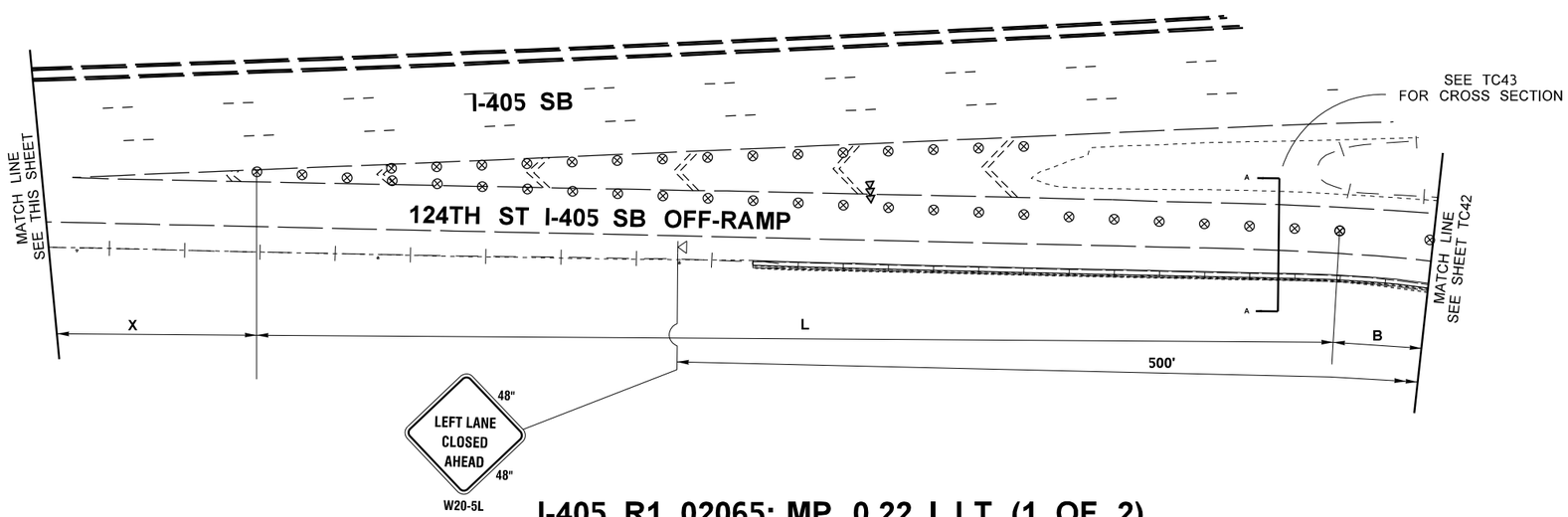
PLAN REF NO TC40

SHEET 115 OF 134 SHEETS



PCMS	
1	2
WB SR 527 RAMP CLOSED	FOLLOW DETOUR
2.0 SEC	2.0 SEC

FIELD LOCATE IN
ADVANCE OF LANE CLOSURE SIGNING.



I-405, R1 02065; MP 0.22, I, LT (1 OF 2)
(124TH ST I-405 SB OFF-RAMP)

NOT TO SCALE

NOTES:

1. SEE SHEET TC1 FOR LEGEND, GENERAL NOTES, BUFFER DATA, SIGN SPACING, CHANNELIZATION DEVICE SPACING, AND TAPER LENGTHS.

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\07_XL6411_PS_TC - I405.dgn						
TIME	10:08:59 AM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	6/23/2023						
PLOTTED BY	KimKath						
DESIGNED BY	Z. SANETO				JOB NUMBER 22A023		
ENTERED BY	Z. SANETO						
CHECKED BY	N. MENZEL				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State
Department of Transportation

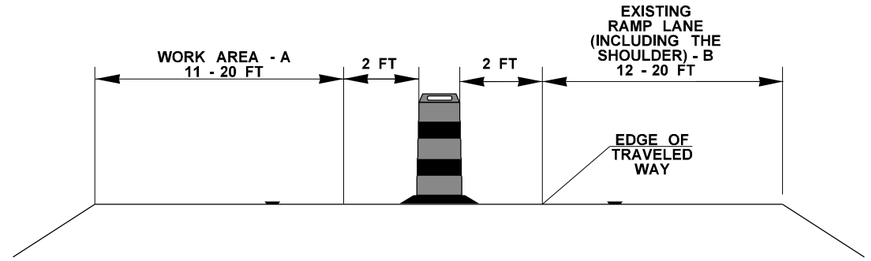
US 2 ET AL.
NWR BREAKAWAY CABLE
TERMINAL REPLACEMENT 21-23

TRAFFIC CONTROL PLAN

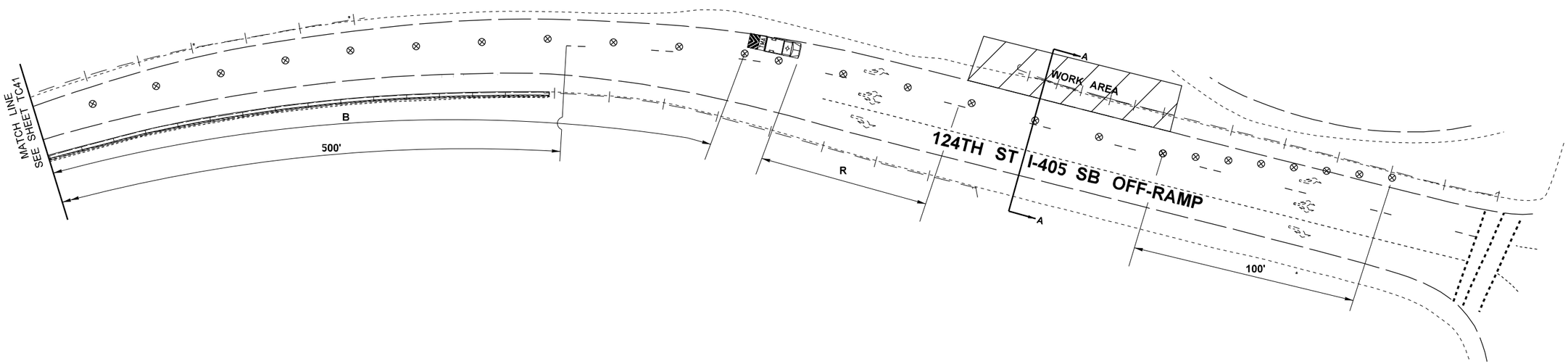
Plot 18

PLAN REF NO
TC41

SHEET 116 OF 134 SHEETS



SECTION A-A



I-405, R1 2065; MP 0.22, I, LT (2 OF 2)
(124TH ST I-405 SB OFF-RAMP)

NOT TO SCALE

NOTES:

1. SEE SHEET TC1 FOR LEGEND, GENERAL NOTES, BUFFER DATA, SIGN SPACING, CHANNELIZATION DEVICE SPACING, AND TAPER LENGTHS.

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\07_XL6411_PS_TC - I405.dgn			
TIME	10:09:08 AM			
DATE	6/23/2023			
PLOTTED BY	KimKath			
DESIGNED BY	Z. SANETO			
ENTERED BY	Z. SANETO			
CHECKED BY	N. MENZEL			
PROJ. ENGR.	A. EMERSON			
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22A023		
CONTRACT NO.		LOCATION NO.

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State
Department of Transportation

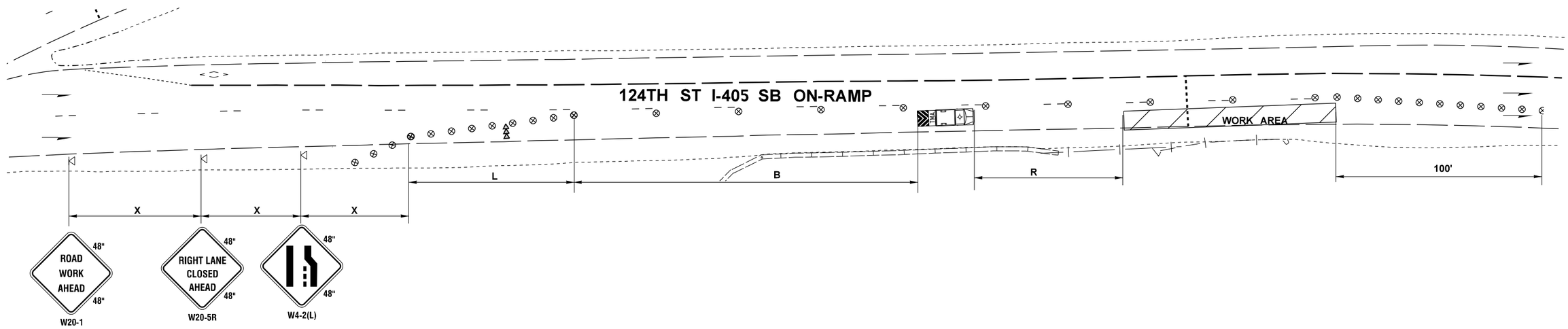
US 2 ET AL.
NWR BREAKAWAY CABLE
TERMINAL REPLACEMENT 21-23

TRAFFIC CONTROL PLAN

Plot 19

PLAN REF NO
TC42

SHEET 117 OF 134 SHEETS



I-405, S1 01986, MP 0.13, I, RT
(124TH ST I-405 SB ON-RAMP)

NOT TO SCALE

NOTES:

1. SEE SHEET TC1 FOR LEGEND, GENERAL NOTES, BUFFER DATA, SIGN SPACING, CHANNELIZATION DEVICE SPACING, AND TAPER LENGTHS.

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\07_XL6411_PS_TC - I405.dgn							
TIME	10:09:18 AM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.	
DATE	6/23/2023							
PLOTTED BY	KimKath				JOB NUMBER 22A023			
DESIGNED BY	Z. SANETO							
ENTERED BY	Z. SANETO							
CHECKED BY	N. MENZEL				CONTRACT NO.		LOCATION NO.	
PROJ. ENGR.	A. EMERSON							
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY				

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

TRAFFIC CONTROL PLAN

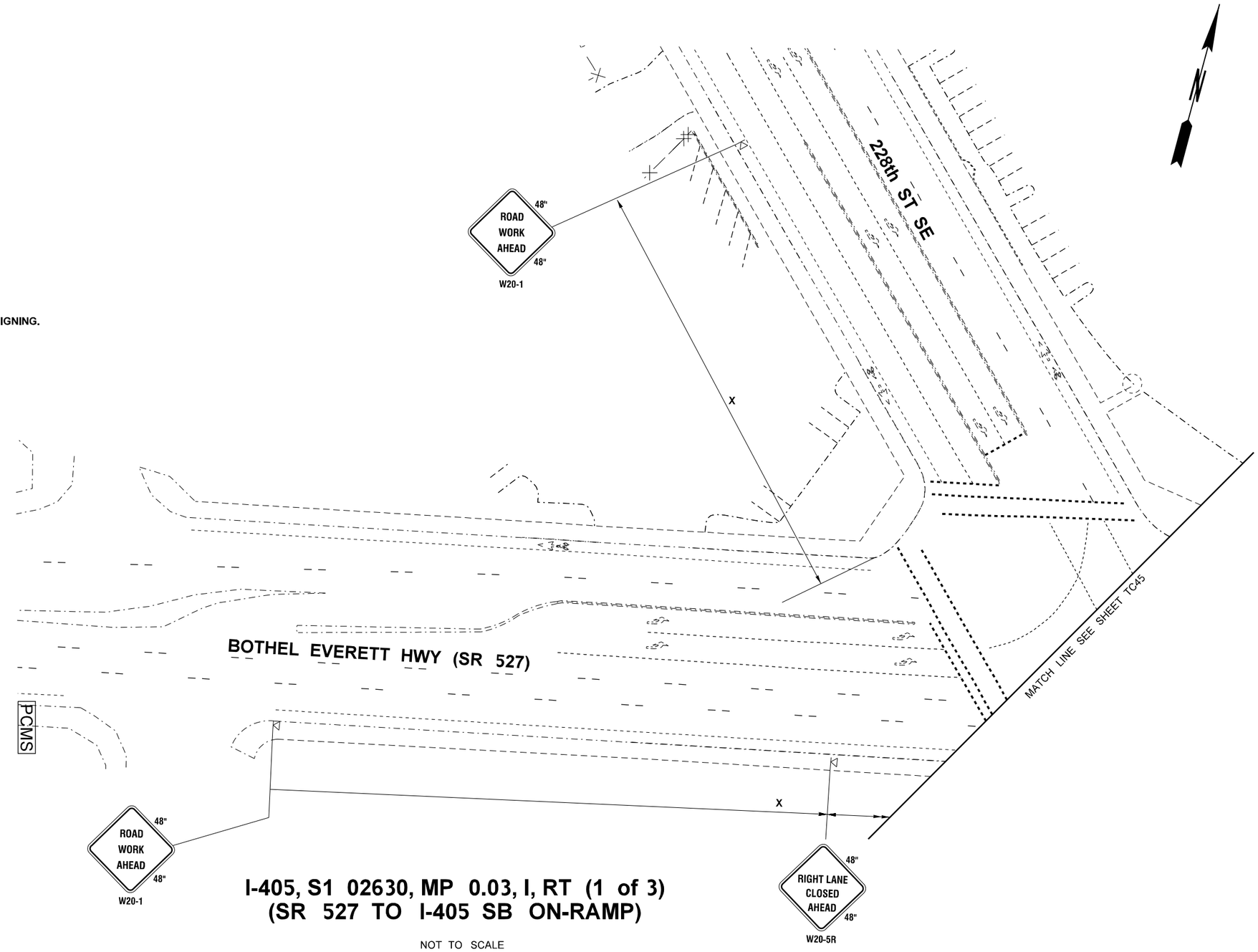
Plot 22

PLAN REF NO TC43

SHEET 118 OF 134 SHEETS

PCMS	
1	2
I-405 SB RAMP CLOSED	FOLLOW DETOUR
2.0 SEC	2.0 SEC

FIELD LOCATE IN ADVANCE OF LANE CLOSURE SIGNING.



NOTES:

1. SEE SHEET TC1 FOR LEGEND, GENERAL NOTES, BUFFER DATA, SIGN SPACING, CHANNELIZATION DEVICE SPACING, AND TAPER LENGTHS.
2. SEE DU11 FOR DETOUR.

I-405, S1 02630, MP 0.03, I, RT (1 of 3)
(SR 527 TO I-405 SB ON-RAMP)

NOT TO SCALE

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\07_XL6411_PS_TC - I405.dgn				
TIME	10:09:28 AM				
DATE	6/23/2023				
PLOTTED BY	KimKath				
DESIGNED BY	Z. SANETO				
ENTERED BY	K. KIM				
CHECKED BY	N. MENZEL				
PROJ. ENGR.	A. EMERSON				
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY	

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22A023		
CONTRACT NO.		LOCATION NO.

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

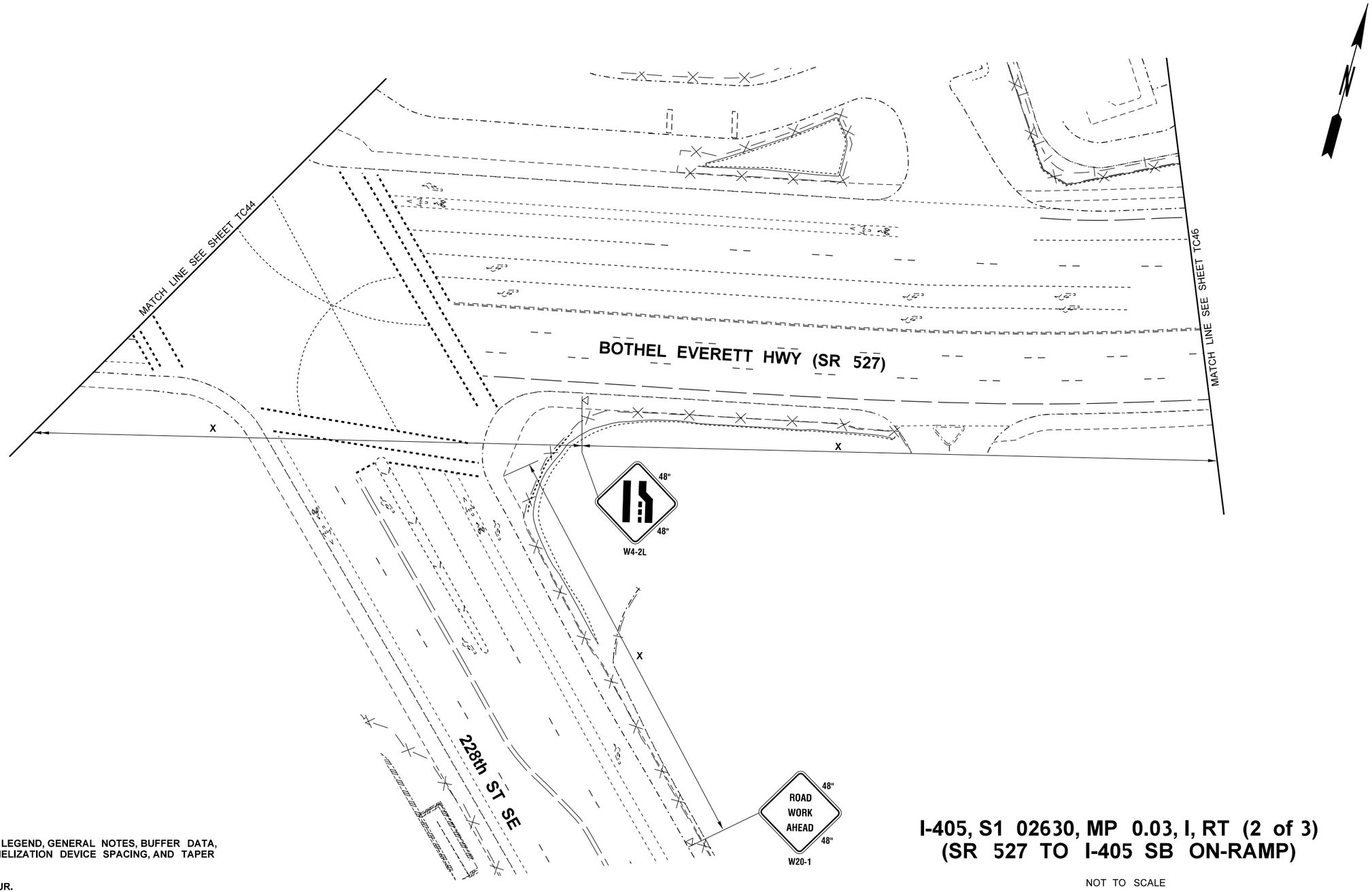
US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

TRAFFIC CONTROL PLAN

Plot 25

PLAN REF NO TC44

SHEET 119 OF 134 SHEETS



NOTES:

1. SEE SHEET TC1 FOR LEGEND, GENERAL NOTES, BUFFER DATA, SIGN SPACING, CHANNELIZATION DEVICE SPACING, AND TAPER LENGTHS.
2. SEE DU11 FOR DETOUR.

I-405, S1 02630, MP 0.03, I, RT (2 of 3)
(SR 527 TO I-405 SB ON-RAMP)

NOT TO SCALE

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\07_XL6411_PS_TC - I405.dgn						
TIME	11:46:51 AM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	6/23/2023						
PLOTTED BY	SanetoZ						
DESIGNED BY	Z. SANETO				JOB NUMBER 22A023		
ENTERED BY	K. KIM						
CHECKED BY	N. MENZEL				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

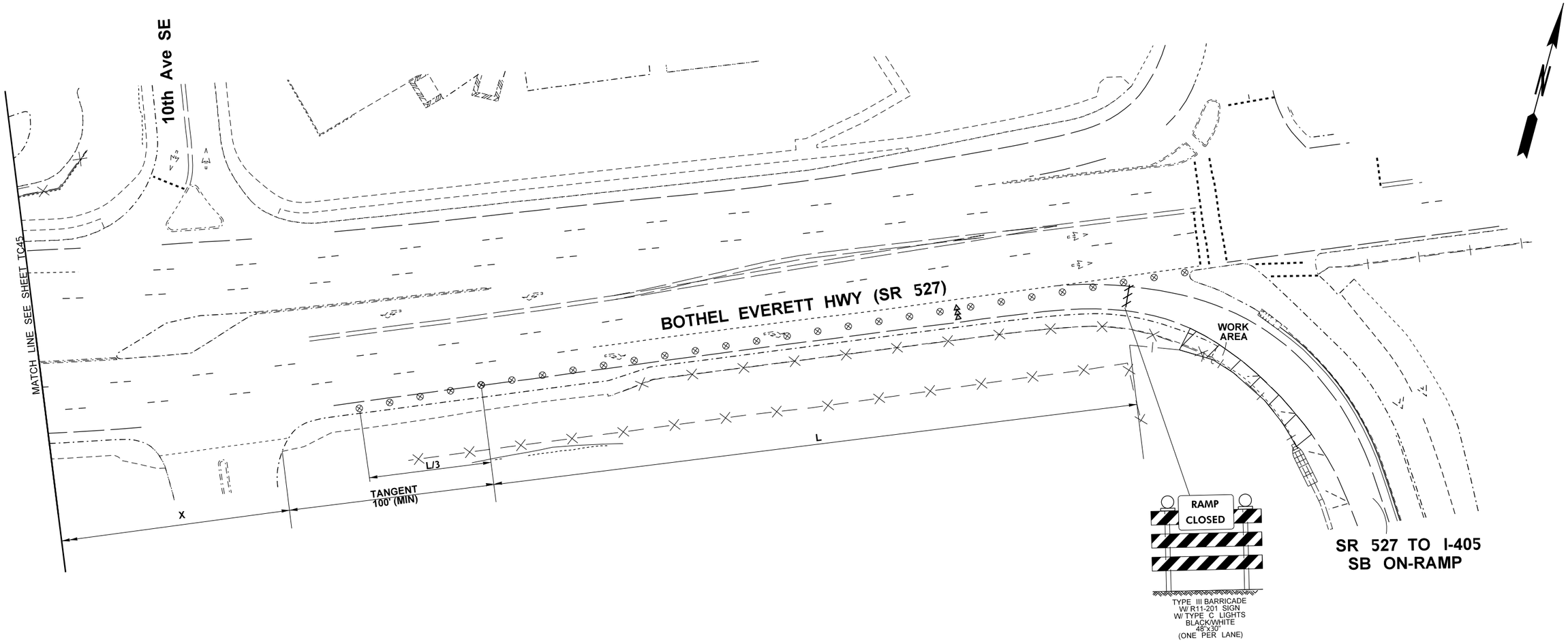
US 2 ET AL.
NWR BREAKAWAY CABLE
TERMINAL REPLACEMENT 21-23

TRAFFIC CONTROL PLAN

Plot 26

PLAN REF NO TC45

SHEET 120 OF 134 SHEETS



NOTES:

1. SEE SHEET TC1 FOR LEGEND, GENERAL NOTES, BUFFER DATA, SIGN SPACING, CHANNELIZATION DEVICE SPACING, AND TAPER LENGTHS.
2. SEE DU11 FOR DETOUR.

I-405, S1 02630, MP 0.03, I, RT (3 of 3)
(SR 527 TO I-405 SB ON-RAMP)

NOT TO SCALE

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\07_XL6411_PS_TC - I405.dgn					
TIME	11:47:03 AM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	6/23/2023					
PLOTTED BY	SanetoZ					
DESIGNED BY	Z. SANETO				JOB NUMBER 22A023	
ENTERED BY	K. KIM					
CHECKED BY	N. MENZEL				CONTRACT NO.	LOCATION NO.
PROJ. ENGR.	A. EMERSON					
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY		

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

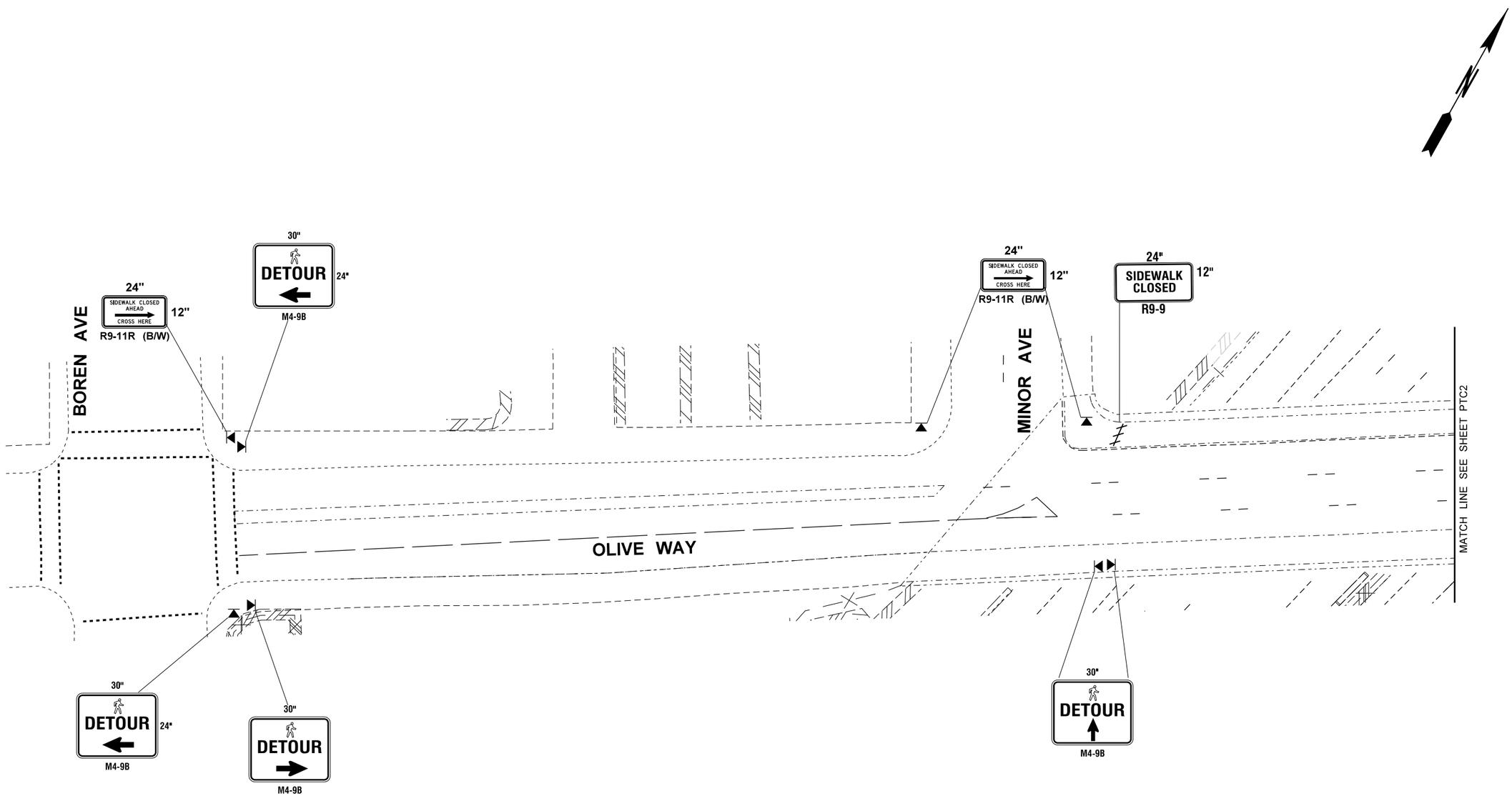
US 2 ET AL.
NWR BREAKAWAY CABLE
TERMINAL REPLACEMENT 21-23

TRAFFIC CONTROL PLAN

Plot 27

PLAN REF NO TC46

SHEET 121 OF 134 SHEETS



LEGEND	
	WORK AREA (GENERAL)
	TYPE III BARRICADE
	CL. B SIGN

I-5, Q1 116662, MP 0.11, I, RT (1 OF 2)
YALE ST I-5 SB ON-RAMP

NOT TO SCALE

NOTES:

1. SEE SPECIAL PROVISIONS FOR "CONSTRUCTION UNDER TRAFFIC" FOR CLOSURE HOURS RESTRICTIONS AND OTHER TRAFFIC CONTROL REQUIREMENTS.
2. TEMPORARY TRAFFIC CONTROL DEVICES SHALL NOT OBSTRUCT PEDESTRIAN OR BICYCLE ROUTES.
3. FOR OTHER TRAFFIC CONTROL DEVICES AND PLANS, SEE SHEETS TC1 AND TC21.

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\07_XL6411_PS_PTC.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	11:41:41 AM				JOB NUMBER 22A023		
DATE	6/23/2023				CONTRACT NO.		LOCATION NO.
PLOTTED BY	SanetoZ						
DESIGNED BY	Z. SANETO						
ENTERED BY	Z. SANETO						
CHECKED BY	N. MENZEL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

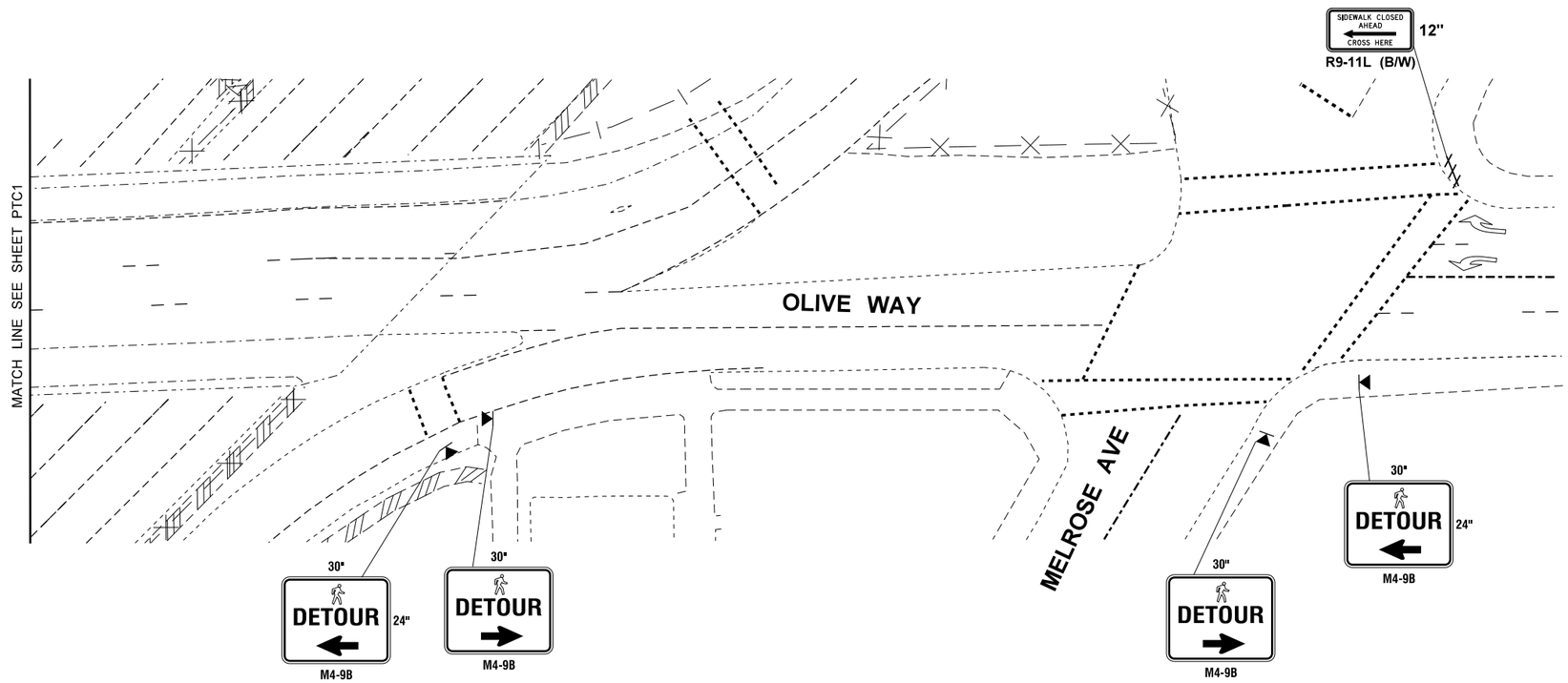
US 2 ET AL.
NWR BREAKAWAY CABLE
TERMINAL REPLACEMENT 21-23

PEDESTRIAN TRAFFIC CONTROL PLAN

Plot 3

PLAN REF NO PTC1

SHEET 122 OF 134 SHEETS



LEGEND	
	WORK AREA (GENERAL)
	TYPE III BARRICADE
▲	CL. B SIGN

I-5, Q1 116662, MP 0.11, I, RT (2 OF 2)
YALE ST I-5 SB ON-RAMP

NOT TO SCALE

NOTES:

1. SEE SPECIAL PROVISIONS FOR "CONSTRUCTION UNDER TRAFFIC" FOR CLOSURE HOURS RESTRICTIONS AND OTHER TRAFFIC CONTROL REQUIREMENTS.
2. TEMPORARY TRAFFIC CONTROL DEVICES SHALL NOT OBSTRUCT PEDESTRIAN OR BICYCLE ROUTES.
3. FOR OTHER TRAFFIC CONTROL DEVICES AND PLANS, SEE SHEETS TC1 AND TC21.

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\07_XL6411_PS_PTC.dgn					
TIME	11:41:53 AM					
DATE	6/23/2023					
PLOTTED BY	SanetoZ					
DESIGNED BY	Z. SANETO					
ENTERED BY	Z. SANETO					
CHECKED BY	N. MENZEL					
PROJ. ENGR.	A. EMERSON					
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY		

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22A023		
CONTRACT NO.		LOCATION NO.

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

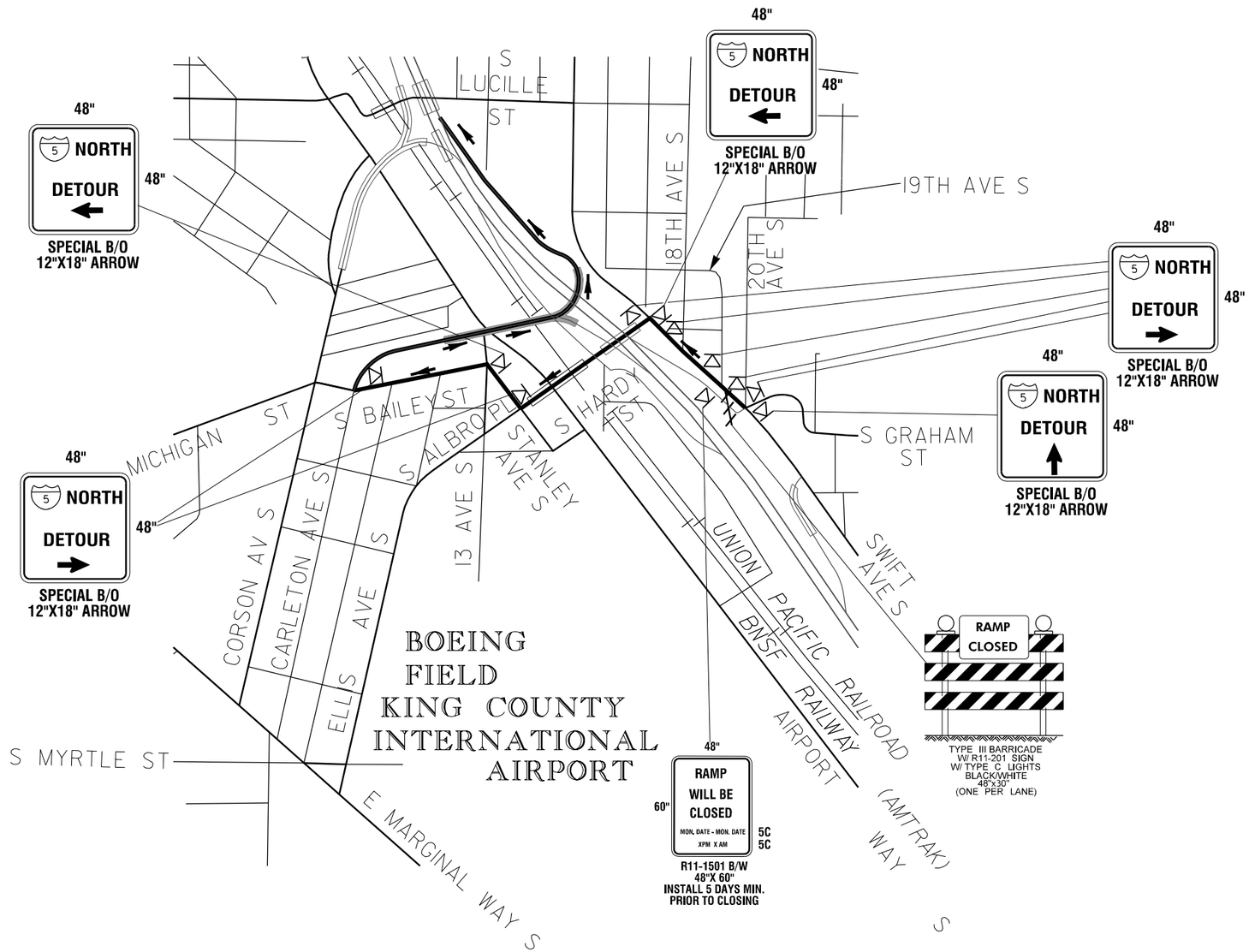
US 2 ET AL.
NWR BREAKAWAY CABLE
TERMINAL REPLACEMENT 21-23

PEDESTRIAN TRAFFIC CONTROL PLAN

Plot 4

PLAN REF NO PTC2

SHEET 123 OF 134 SHEETS



NOTES:

1. SEE TRAFFIC CONTROL PLANS TC1, TC10, AND TC11 FOR ADDITIONAL TRAFFIC CONTROL DEVICES, DEVICE SPACING, AND TRAFFIC CONTROL CLOSURES.

LEGEND

	CLASS 'B' SIGN LOCATION
	TYPE III BARRICADE
closed	RAMP/ ROAD CLOSED
	DETOUR ROUTE
	DIRECTION OF TRAVEL
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN

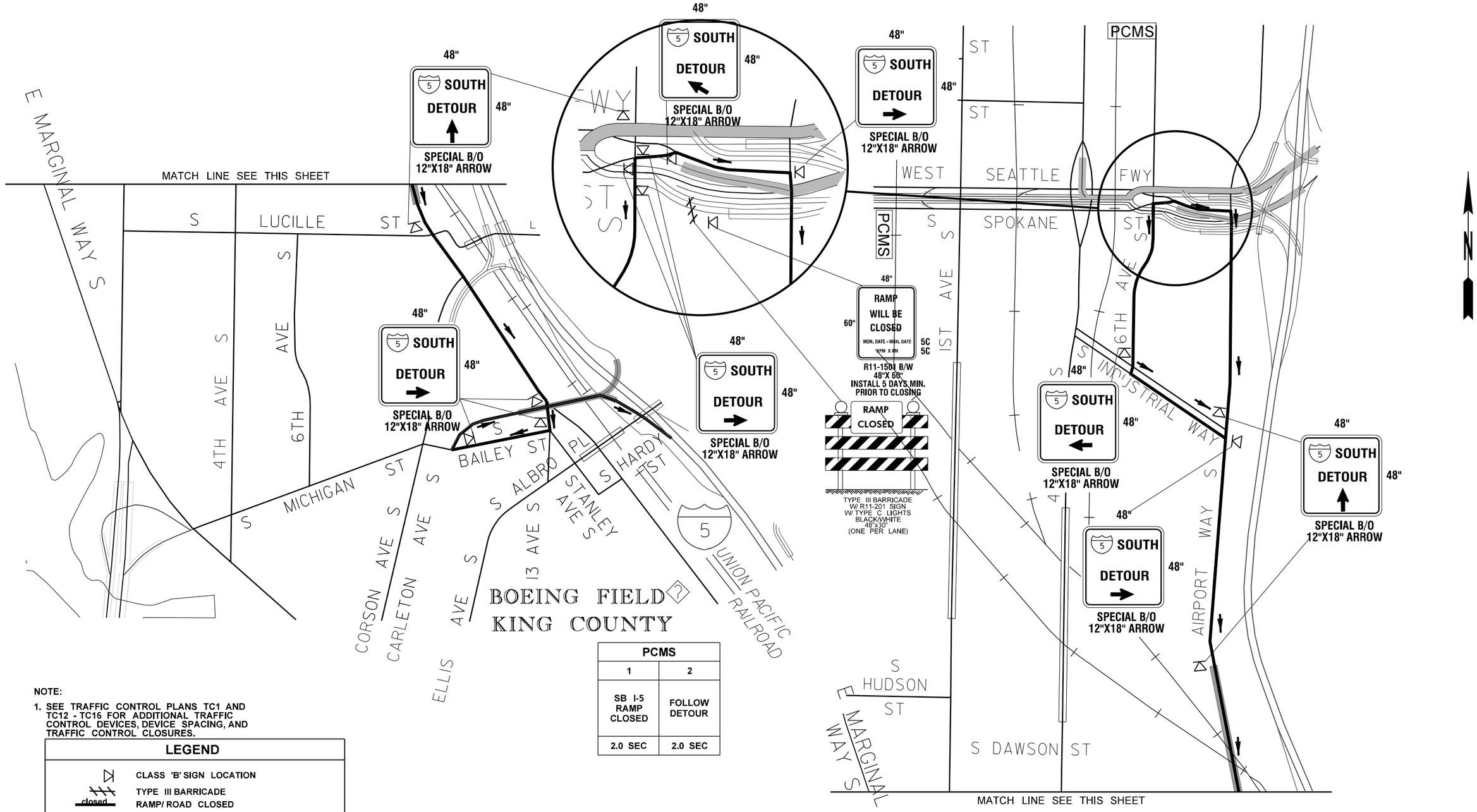
I-5 MP 161.16, Q1 16139 MP 0.03, I, RT
(DETOUR SWIFT AVE S NB ON-RAMP CLOSURE)

NOT TO SCALE

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\08_XL6411_PS_DU.dgn								Plot 1
TIME	10:16:47 AM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.	Washington State Department of Transportation	US 2 ET AL. NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23	PLAN REF NO DU1
DATE	6/23/2023									
PLOTTED BY	KimKath				JOB NUMBER 22A023					SHEET 124 OF 134 SHEETS
DESIGNED BY	Z. SANETO									
ENTERED BY	Z. SANETO									
CHECKED BY	N. MENZEL				CONTRACT NO.		LOCATION NO.		DETOUR PLAN	
PROJ. ENGR.	A. EMERSON									
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY						

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE



PCMS	
1	2
SB I-5 RAMP CLOSED	FOLLOW DETOUR
2.0 SEC	2.0 SEC

NOTE:

1. SEE TRAFFIC CONTROL PLANS TC1 AND TC12 - TC16 FOR ADDITIONAL TRAFFIC CONTROL DEVICES, DEVICE SPACING, AND TRAFFIC CONTROL CLOSURES.

LEGEND

- CLASS 'B' SIGN LOCATION
- TYPE III BARRICADE
- closed — RAMP/ ROAD CLOSED
- DETOUR ROUTE
- DIRECTION OF TRAVEL
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN

I-5 MP 162.88, S1 16279 MP 0.07, I, LT
(DETOUR SPOKANE ST TO I-5 SB ON-RAMP CLOSURE)

NOT TO SCALE

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\08_XL6411_PS_DU.dgn						
TIME	10:16:57 AM						
DATE	6/23/2023						
PLOTTED BY	KimKath						
DESIGNED BY	Z. SANETO						
ENTERED BY	Z. SANETO						
CHECKED BY	N. MENZEL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22A023		
CONTRACT NO.		LOCATION NO.

DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

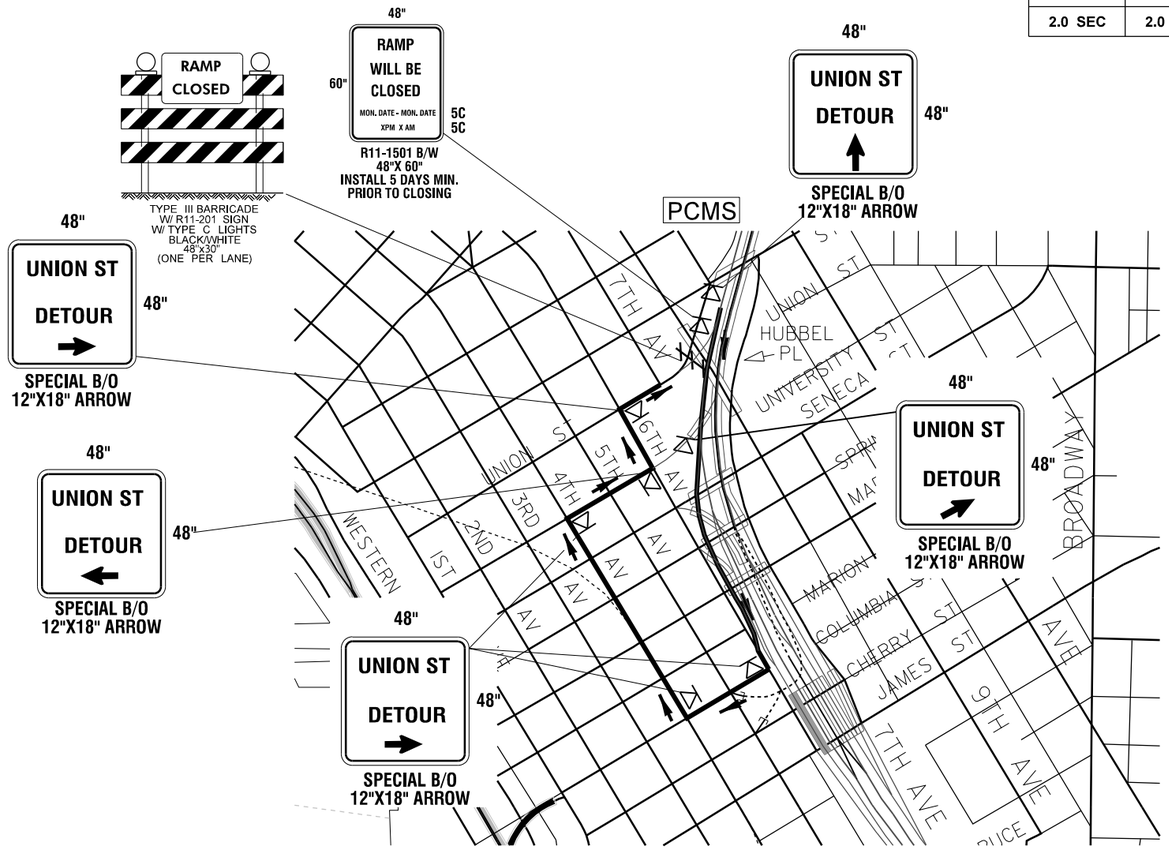
Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

DETOUR PLAN

Plot 2
PLAN REF NO DU2
SHEET 125 OF 134 SHEETS

PCMS	
1	2
SB I-5 RAMP CLOSED	FOLLOW DETOUR
2.0 SEC	2.0 SEC



NOTES:

1. SEE TRAFFIC CONTROL PLANS TC1 AND TC17 - TC20 FOR ADDITIONAL TRAFFIC CONTROL DEVICES, DEVICE SPACING, AND TRAFFIC CONTROL CLOSURES.

LEGEND

- CLASS 'B' SIGN LOCATION
- TYPE III BARRICADE
- closed — RAMP/ ROAD CLOSED
- DETOUR ROUTE
- DIRECTION OF TRAVEL
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN

I-5 MP 165.68, R1 16586 MP 0.19, I, LT
(DETOUR UNION ST SB OFF-RAMP CLOSURE)

NOT TO SCALE

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\08_XL6411_PS_DU.dgn					
TIME	10:17:16 AM					
DATE	6/23/2023					
PLOTTED BY	KimKath					
DESIGNED BY	Z. SANETO					
ENTERED BY	Z. SANETO					
CHECKED BY	N. MENZEL					
PROJ. ENGR.	A. EMERSON					
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY		

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22A023		
CONTRACT NO.		LOCATION NO.

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

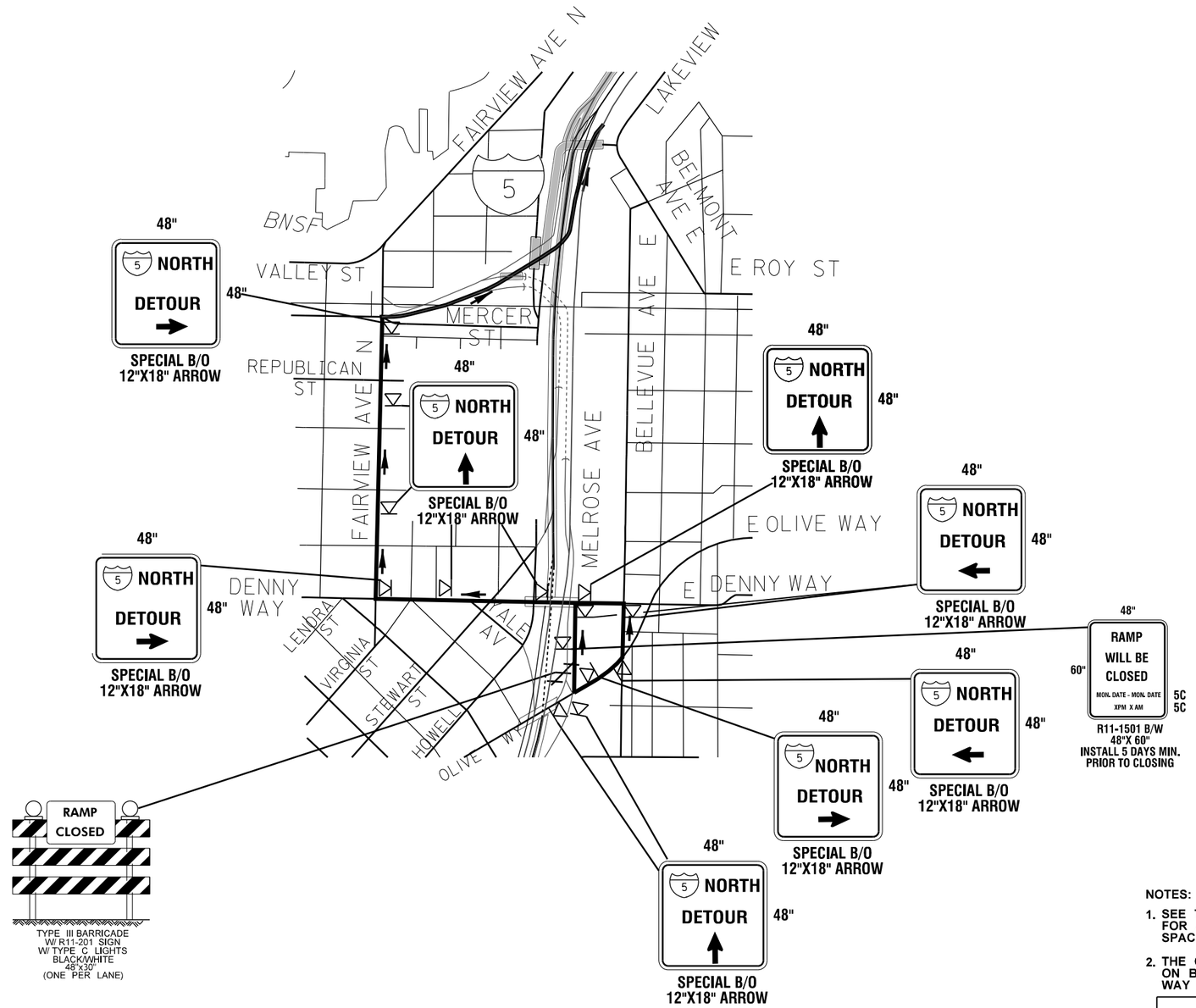
US 2 ET AL.
NWR BREAKAWAY CABLE
TERMINAL REPLACEMENT 21-23

DETOUR PLAN

Plot 6

PLAN REF NO DU3

SHEET 126 OF 134 SHEETS



NOTES:

1. SEE TRAFFIC CONTROL PLANS TC1, TC21, AND PTC1 - PTC2 FOR ADDITIONAL TRAFFIC CONTROL DEVICES AND DEVICE SPACING.
2. THE CONTRACTOR SHALL PLACE "NO PARKING" SIGNS ON BOTH SIDES OF MELROSE AVE BETWEEN DENNY WAY AND OLIVE WAY.

LEGEND	
▷	CLASS 'B' SIGN LOCATION
	TYPE III BARRICADE
closed	RAMP/ ROAD CLOSED
	DETOUR ROUTE
→	DIRECTION OF TRAVEL
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN

I-5 MP 166.33, Q1 16662 MP 0.11, I, RT
(DETOUR OLIVE WAY NB ON-RAMP CLOSURE)

NOT TO SCALE

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\08_XL6411_PS_DU.dgn						
TIME	10:19:02 AM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	6/23/2023						
PLOTTED BY	KimKath				JOB NUMBER 22A023		
DESIGNED BY	Z. SANETO						
ENTERED BY	Z. SANETO				CONTRACT NO.		LOCATION NO.
CHECKED BY	N. MENZEL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

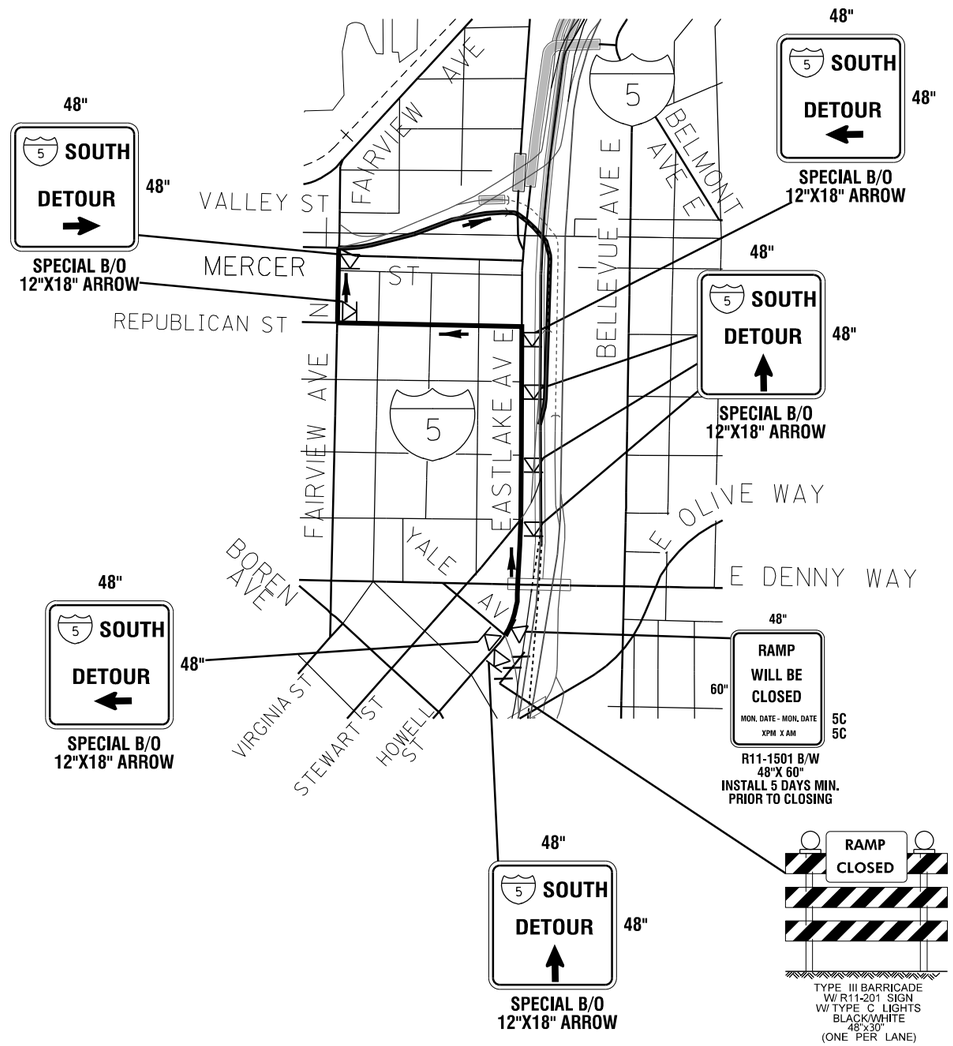
US 2 ET AL.
NWR BREAKAWAY CABLE
TERMINAL REPLACEMENT 21-23

DETOUR PLAN

Plot 30

PLAN REF NO DU4

SHEET 127 OF 134 SHEETS



I-5 MP 166.28, S1 16615 MP 0.01, I, RT
(DETOUR YALE AVE SB ON-RAMP CLOSURE)

NOT TO SCALE

NOTES:

1. SEE TRAFFIC CONTROL PLANS TC1 AND TC17 - TC20 FOR ADDITIONAL TRAFFIC CONTROL DEVICES, DEVICE SPACING, AND TRAFFIC CONTROL CLOSURES.

LEGEND

▷	CLASS 'B' SIGN LOCATION
⋊	TYPE III BARRICADE
closed	RAMP/ ROAD CLOSED
———	DETOUR ROUTE
→	DIRECTION OF TRAVEL
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\08_XL6411_PS_DU.dgn						
TIME	10:17:26 AM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	6/23/2023						
PLOTTED BY	KimKath						
DESIGNED BY	Z. SANETO				JOB NUMBER 22A023		
ENTERED BY	Z. SANETO						
CHECKED BY	N. MENZEL				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

DATE
P.E. STAMP BOX

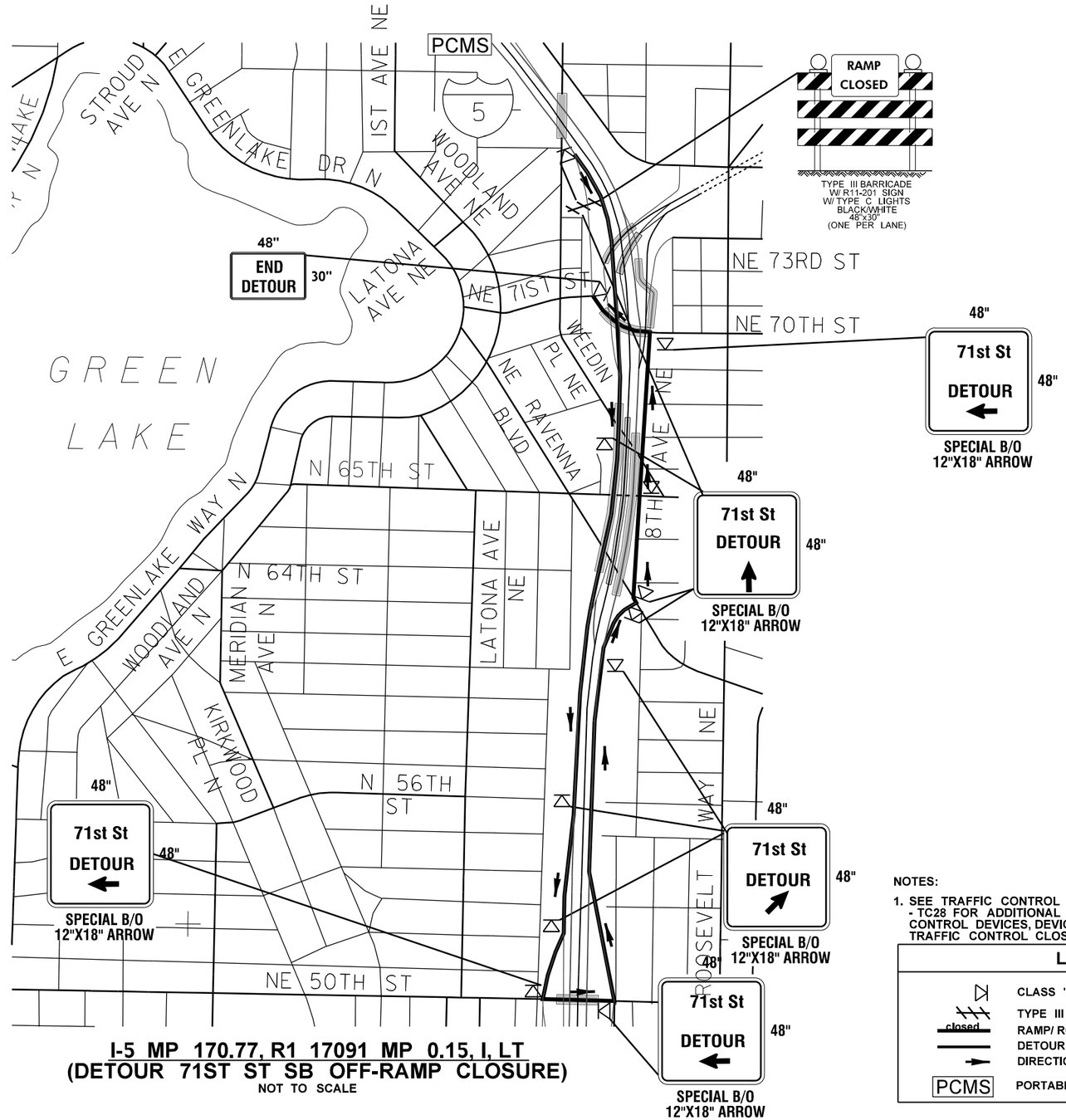
DATE
P.E. STAMP BOX

Washington State
Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE
TERMINAL REPLACEMENT 21-23

DETOUR PLAN

Plot 7
PLAN REF NO
DU5
SHEET 128 OF 134 SHEETS



PCMS	
1	2
71ST ST EXIT CLOSED	FOLLOW DETOUR
2.0 SEC	2.0 SEC

I-5 MP 170.77, R1 17091 MP 0.15, I, LT
(DETOUR 71ST ST SB OFF-RAMP CLOSURE)
NOT TO SCALE

NOTES:

1. SEE TRAFFIC CONTROL PLANS TC1, TC24 - TC28 FOR ADDITIONAL TRAFFIC CONTROL DEVICES, DEVICE SPACING, AND TRAFFIC CONTROL CLOSURES.

LEGEND

- CLASS 'B' SIGN LOCATION
- TYPE III BARRICADE
- closed — RAMP/ ROAD CLOSED
- DETOUR ROUTE
- DIRECTION OF TRAVEL
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\08_XL6411_PS_DU.dgn						
TIME	10:17:36 AM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	6/23/2023						
PLOTTED BY	KimKath						
DESIGNED BY	Z. SANETO				JOB NUMBER 22A023		
ENTERED BY	Z. SANETO						
CHECKED BY	N. MENZEL				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

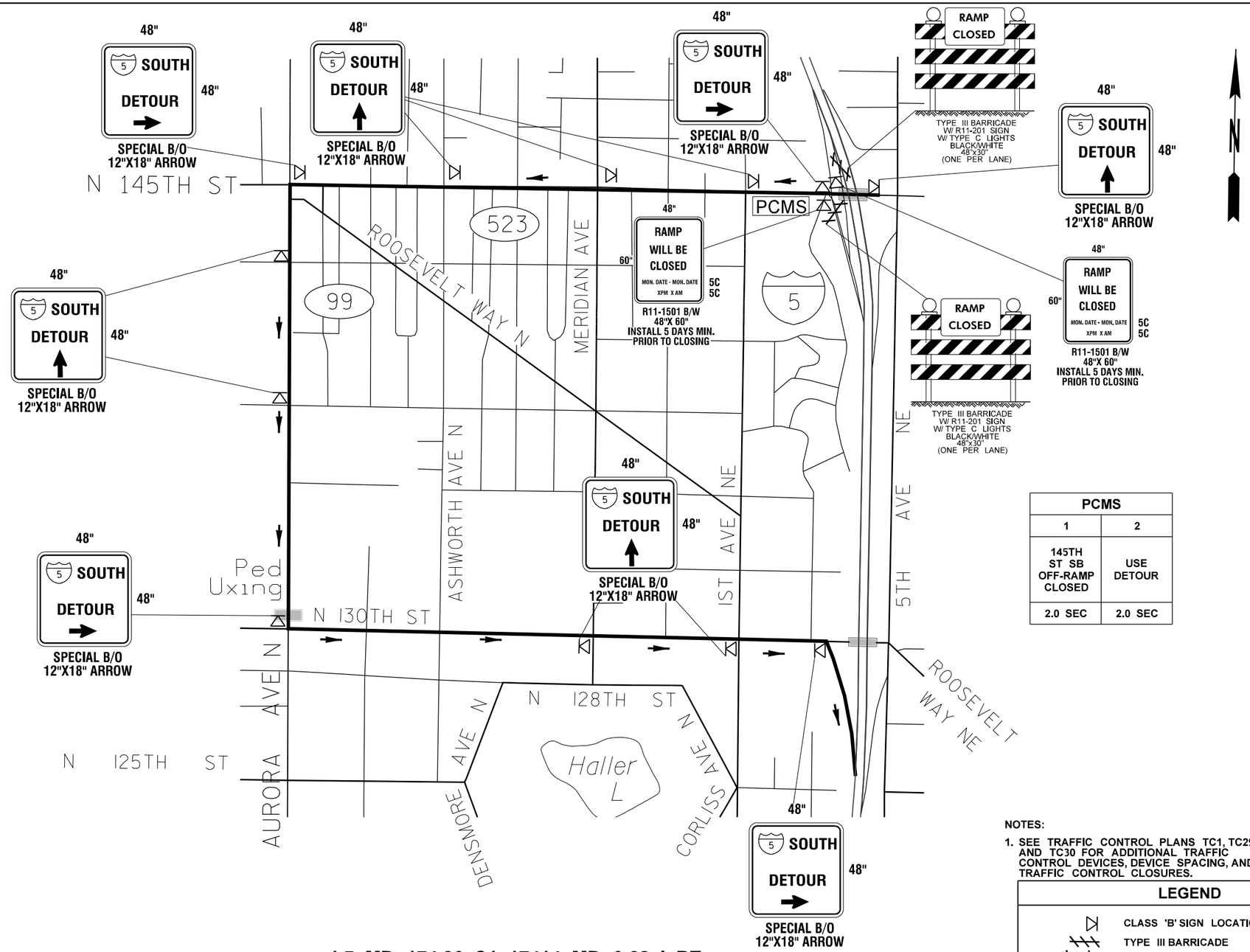
US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

DETOUR PLAN

Plot 8

PLAN REF NO DU6

SHEET 129 OF 134 SHEETS



PCMS	
1	2
145TH ST SB OFF-RAMP CLOSED	USE DETOUR
2.0 SEC	2.0 SEC

NOTES:

1. SEE TRAFFIC CONTROL PLANS TC1, TC29, AND TC30 FOR ADDITIONAL TRAFFIC CONTROL DEVICES, DEVICE SPACING, AND TRAFFIC CONTROL CLOSURES.

LEGEND

- CLASS 'B' SIGN LOCATION
- TYPE III BARRICADE
- closed — RAMP/ ROAD CLOSED
- DETOUR ROUTE
- DIRECTION OF TRAVEL
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN

I-5 MP 174.30, S1 17414 MP 0.28, I, RT
(DETOUR 145TH ST SB ON-RAMP CLOSURE)

NOT TO SCALE

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\08_XL6411_PS_DU.dgn				
TIME	10:18:43 AM				
DATE	6/23/2023				
PLOTTED BY	KimKath				
DESIGNED BY	Z. SANETO				
ENTERED BY	Z. SANETO				
CHECKED BY	N. MENZEL				
PROJ. ENGR.	A. EMERSON				
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY	

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22A023		
CONTRACT NO.		LOCATION NO.

P.E. STAMP BOX — DATE

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Washington State Department of Transportation

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NWR BREAKAWAY CABLE
TERMINAL REPLACEMENT 21-23

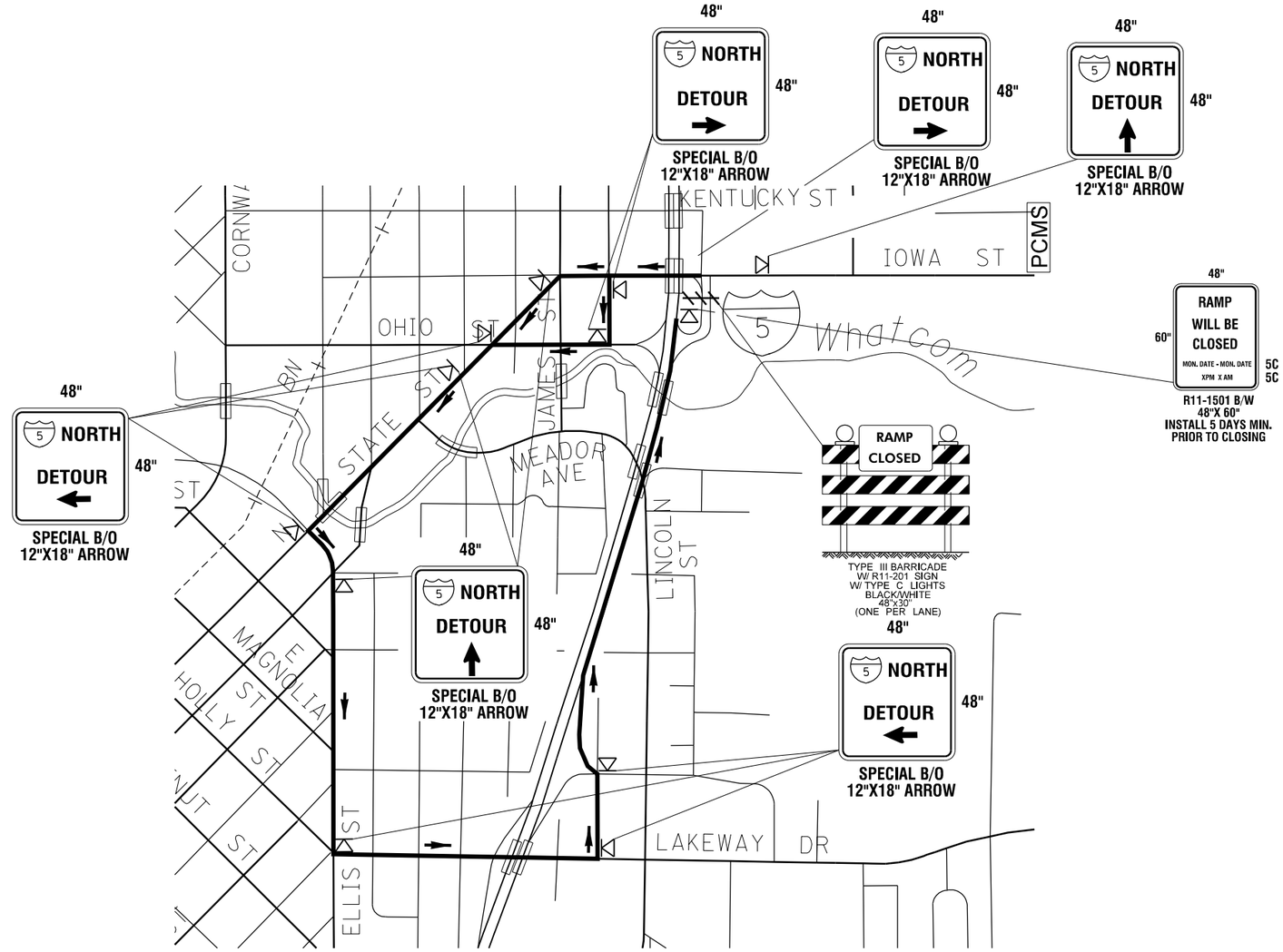
DETOUR PLAN

Plot 29

PLAN REF NO DU7

SHEET 130 OF 134 SHEETS

PCMS	
1	2
IOWA ST NB ON-RAMP CLOSED	FOLLOW DETOUR
2.0 SEC	2.0 SEC



NOTES:

1. SEE TRAFFIC CONTROL PLANS TC1, TC32, AND TC33 FOR ADDITIONAL TRAFFIC CONTROL DEVICES, DEVICE SPACING, AND TRAFFIC CONTROL CLOSURES.

LEGEND	
	CLASS 'B' SIGN LOCATION
	TYPE III BARRICADE
closed	RAMP/ ROAD CLOSED
	DETOUR ROUTE
	DIRECTION OF TRAVEL
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN

I-5 MP 253.74, Q5 25410 MP 0.10, I, RT
(DETOUR IOWA ST NB ON-RAMP CLOSURE)

NOT TO SCALE

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\08_XL6411_PS_DU.dgn						
TIME	10:17:51 AM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	6/23/2023						
PLOTTED BY	KimKath				JOB NUMBER 22A023		
DESIGNED BY	Z. SANETO						
ENTERED BY	Z. SANETO				CONTRACT NO.		LOCATION NO.
CHECKED BY	N. MENZEL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

DATE
P.E. STAMP BOX

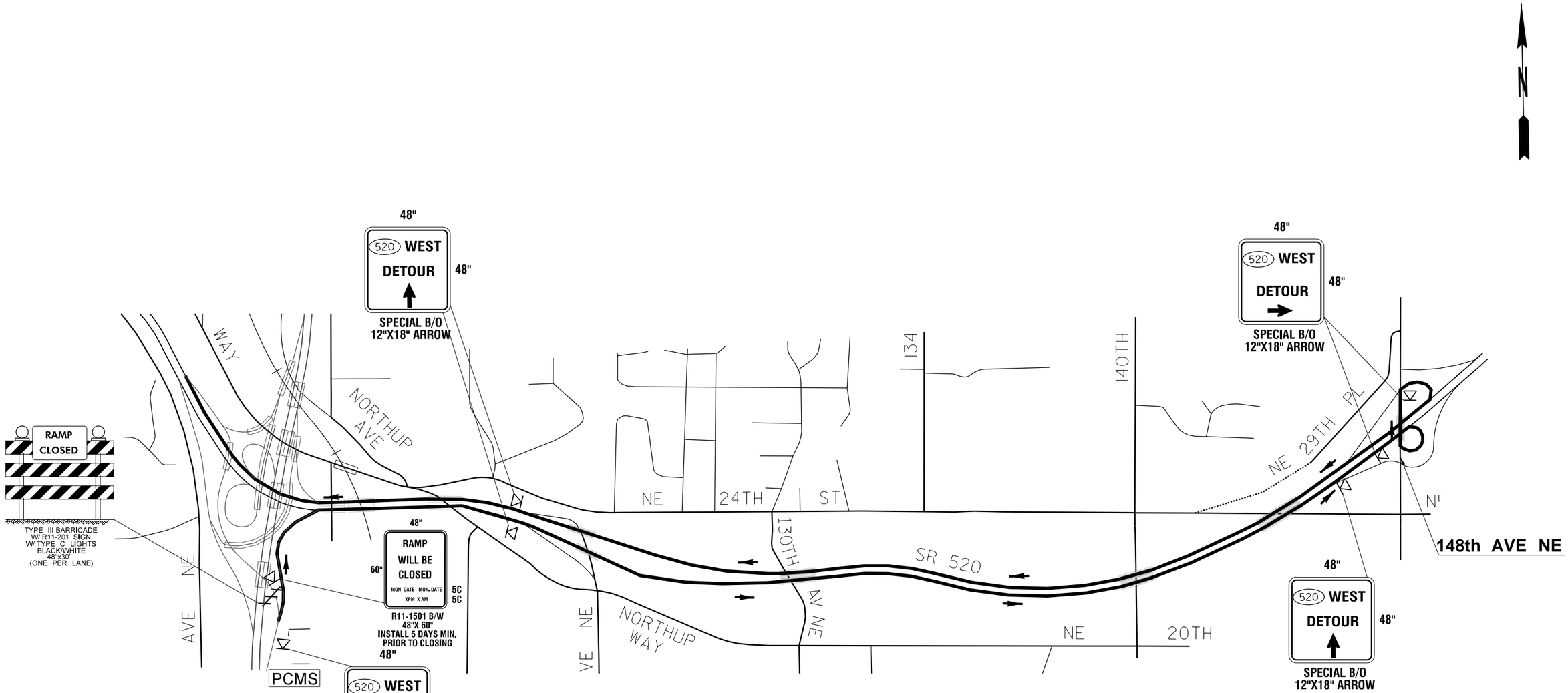
DATE
P.E. STAMP BOX

Washington State
Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE
TERMINAL REPLACEMENT 21-23

DETOUR PLAN

Plot 15
PLAN REF NO
DU8
SHEET 131 OF 134 SHEETS



PCMS	
1	2
WB SR 520 RAMP CLOSED	FOLLOW DETOUR
2.0 SEC	2.0 SEC

NOTES:

1. SEE TRAFFIC CONTROL PLANS TC1, TC35, AND TC36 FOR ADDITIONAL TRAFFIC CONTROL DEVICES, DEVICE SPACING, AND TRAFFIC CONTROL CLOSURES.

LEGEND	
	CLASS 'B' SIGN LOCATION
	TYPE III BARRICADE
closed	RAMP/ ROAD CLOSED
	DETOUR ROUTE
	DIRECTION OF TRAVEL
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN

I-405 MP 14.70, P3 01406 MP (0.27, 0.28, 0.40), I, LT & RT
(DETOUR SR 520 NB OFF-RAMP CLOSURE)

NOT TO SCALE

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\08_XL6411_PS_DU.dgn						
TIME	10:18:03 AM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	6/23/2023						
PLOTTED BY	KimKath				JOB NUMBER 22A023		
DESIGNED BY	Z. SANETO						
ENTERED BY	Z. SANETO				CONTRACT NO.		LOCATION NO.
CHECKED BY	N. MENZEL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY			

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

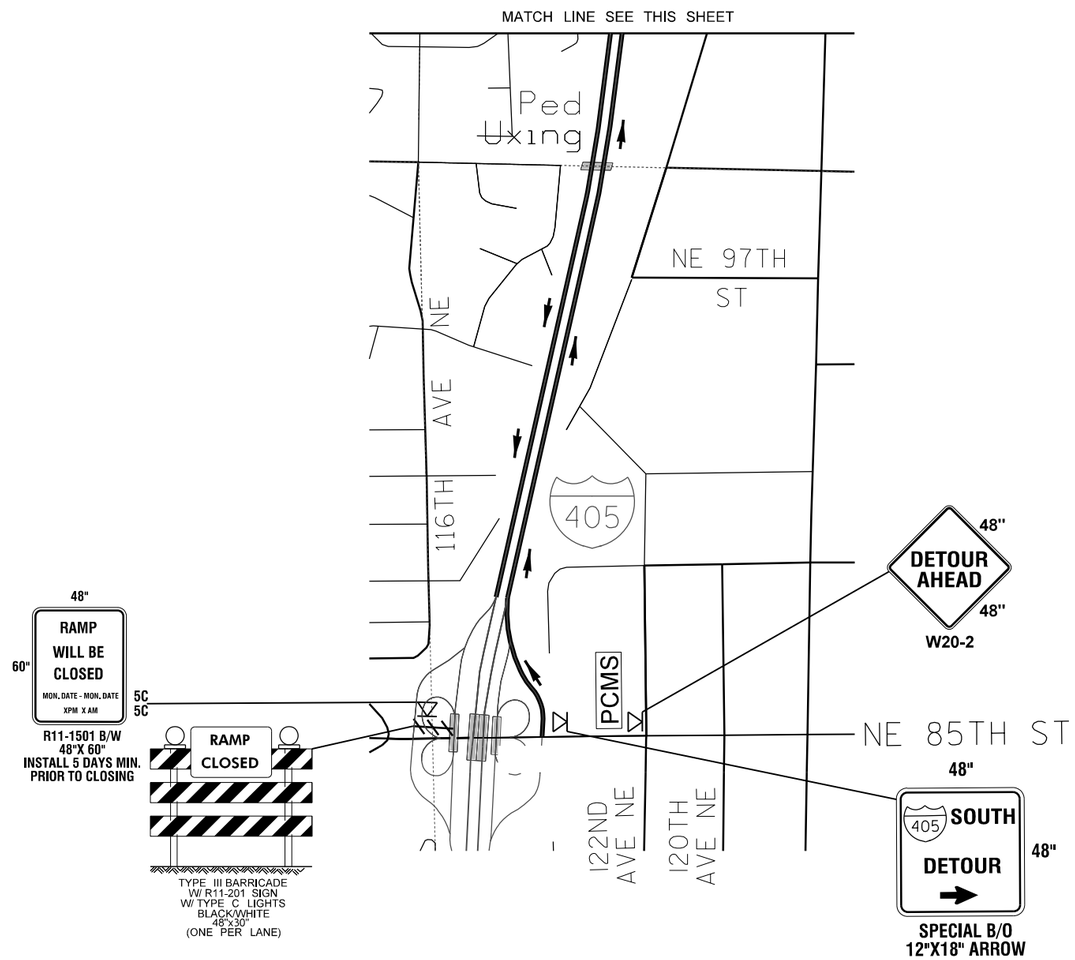
US 2 ET AL.
NWR BREAKAWAY CABLE
TERMINAL REPLACEMENT 21-23

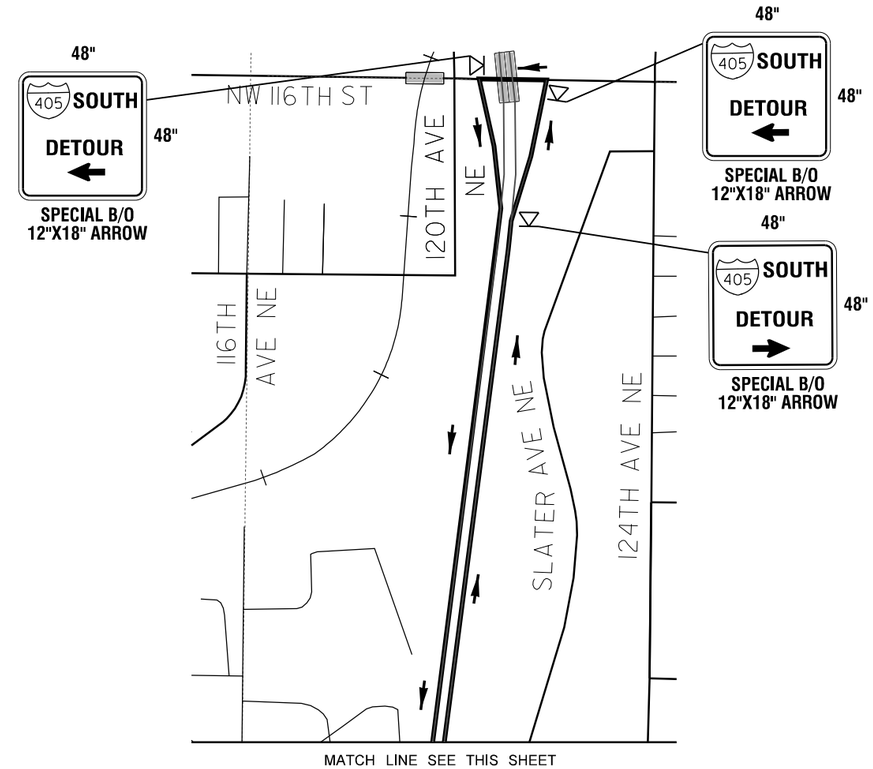
DETOUR PLAN

Plot 22

PLAN REF NO DU9

SHEET 132 OF 134 SHEETS





PCMS	
1	2
SB I-405 ON-RAMP CLOSED	FOLLOW DETOUR
2.0 SEC	2.0 SEC

PLACE PCMS AT LEAST 2 WEEKS IN ADVANCE OF CLOSURE

NOTES:

1. SEE TRAFFIC CONTROL PLANS TC1 AND TC37 - TC40 FOR ADDITIONAL TRAFFIC CONTROL DEVICES, DEVICE SPACING, AND TRAFFIC CONTROL CLOSURES.

LEGEND

- CLASS 'B' SIGN LOCATION
- TYPE III BARRICADE
- closed — RAMP/ ROAD CLOSED
- DETOUR ROUTE
- DIRECTION OF TRAVEL
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN

I-405 MP 18.16, S5 01815 MP 0.18, I, RT
(DETOUR NE 85TH ST SB ON-RAMP CLOSURE)

NOT TO SCALE

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\08_XL6411_PS_DU.dgn			
TIME	10:18:25 AM			
DATE	6/23/2023			
PLOTTED BY	KimKath			
DESIGNED BY	K. KIM			
ENTERED BY	K. KIM			
CHECKED BY	N. MENZEL			
PROJ. ENGR.	A. EMERSON			
REGIONAL ADM.	B. NIELSEN	REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22A023		
CONTRACT NO.		LOCATION NO.

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

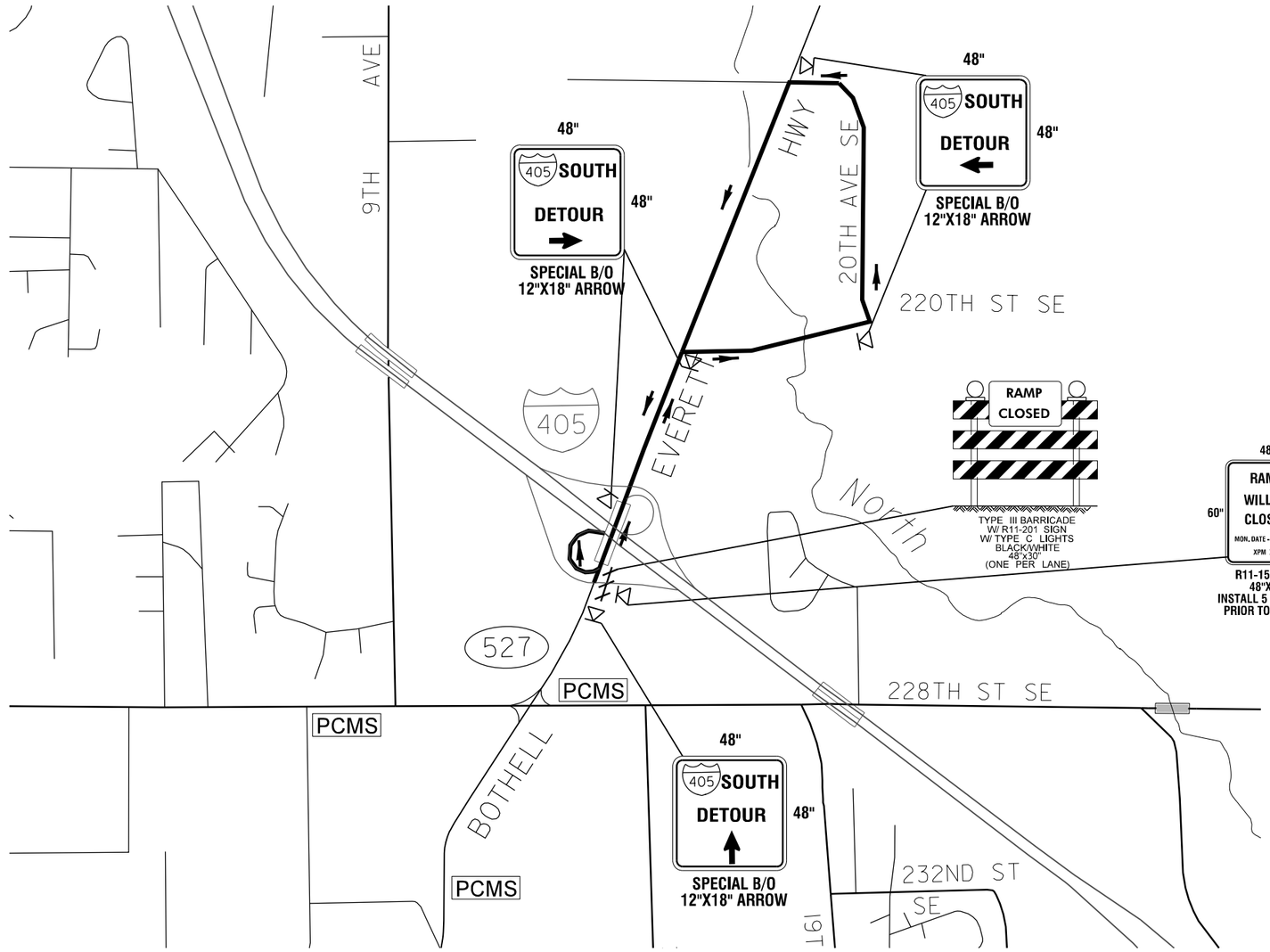
US 2 ET AL.
NWR BREAKAWAY CABLE TERMINAL REPLACEMENT 21-23

DETOUR PLAN

Plot 27

PLAN REF NO DU10

SHEET 133 OF 134 SHEETS



PCMS	
1	2
SR 527 TO I-405 SB ON-RAMP CLOSED	FOLLOW DETOUR
2.0 SEC	2.0 SEC

FIELD LOCATE 1000+/- FEET PRIOR TO RAMP CLOSURE.

NOTES:

1. SEE TRAFFIC CONTROL PLANS TC1 AND TC44 - TC46 FOR ADDITIONAL TRAFFIC CONTROL DEVICES, DEVICE SPACING, AND TRAFFIC CONTROL CLOSURES.

LEGEND

- CLASS 'B' SIGN LOCATION
- TYPE III BARRICADE
- closed — RAMP/ ROAD CLOSED
- DETOUR ROUTE
- DIRECTION OF TRAVEL
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN

I-405 MP 26.75, RAMP S1 02630, MP 0.03, I, RT
(DETOUR BOTHELL EVERETT HWY EB ON-RAMP CLOSURE)

NOT TO SCALE

FILE NAME	T:\412350\XL6411 - NWR Breakaway Cable Terminal Replacement\CAD\PS&E\08_XL6411_PS_DU.dgn
TIME	10:18:14 AM
DATE	6/23/2023
PLOTTED BY	KimKath
DESIGNED BY	Z. SANETO
ENTERED BY	Z. SANETO
CHECKED BY	N. MENZEL
PROJ. ENGR.	A. EMERSON
REGIONAL ADM.	B. NIELSEN

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO.

JOB NUMBER 22A023

CONTRACT NO. | LOCATION NO.

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

US 2 ET AL.
NWR BREAKAWAY CABLE
TERMINAL REPLACEMENT 21-23

DETOUR PLAN

Plot 25

PLAN REF NO DU11

SHEET 134 OF 134 SHEETS

22A023_Plans_Volume2_AD - Please sign prior to July 5

Final Audit Report 2023-06-29

Created:	2023-06-29
By:	Darlene Sharar (ShararD@wsdot.wa.gov)
Status:	Signed
Transaction ID:	CBJCHBCAABAAPAeN9q_KB7J21XUO_3cI20KFWHntXjrb

"22A023_Plans_Volume2_AD - Please sign prior to July 5" History

Document created by Darlene Sharar (ShararD@wsdot.wa.gov)
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Email viewed by dod@wsdot.wa.gov
2023-06-29 - 5:31:26 PM GMT- IP address: 198.238.213.148

Signer dod@wsdot.wa.gov entered name at signing as DUKE H DO
2023-06-29 - 5:32:36 PM GMT- IP address: 198.238.213.148

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Signature Date: 2023-06-29 - 5:32:38 PM GMT - Time Source: server- IP address: 198.238.213.148

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Email viewed by Jeff Davies (daviesj@wsdot.wa.gov)
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Document e-signed by Jeff Davies (daviesj@wsdot.wa.gov)
Signature Date: 2023-06-29 - 6:21:07 PM GMT - Time Source: server- IP address: 198.238.213.147

Agreement completed.
2023-06-29 - 6:21:07 PM GMT

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