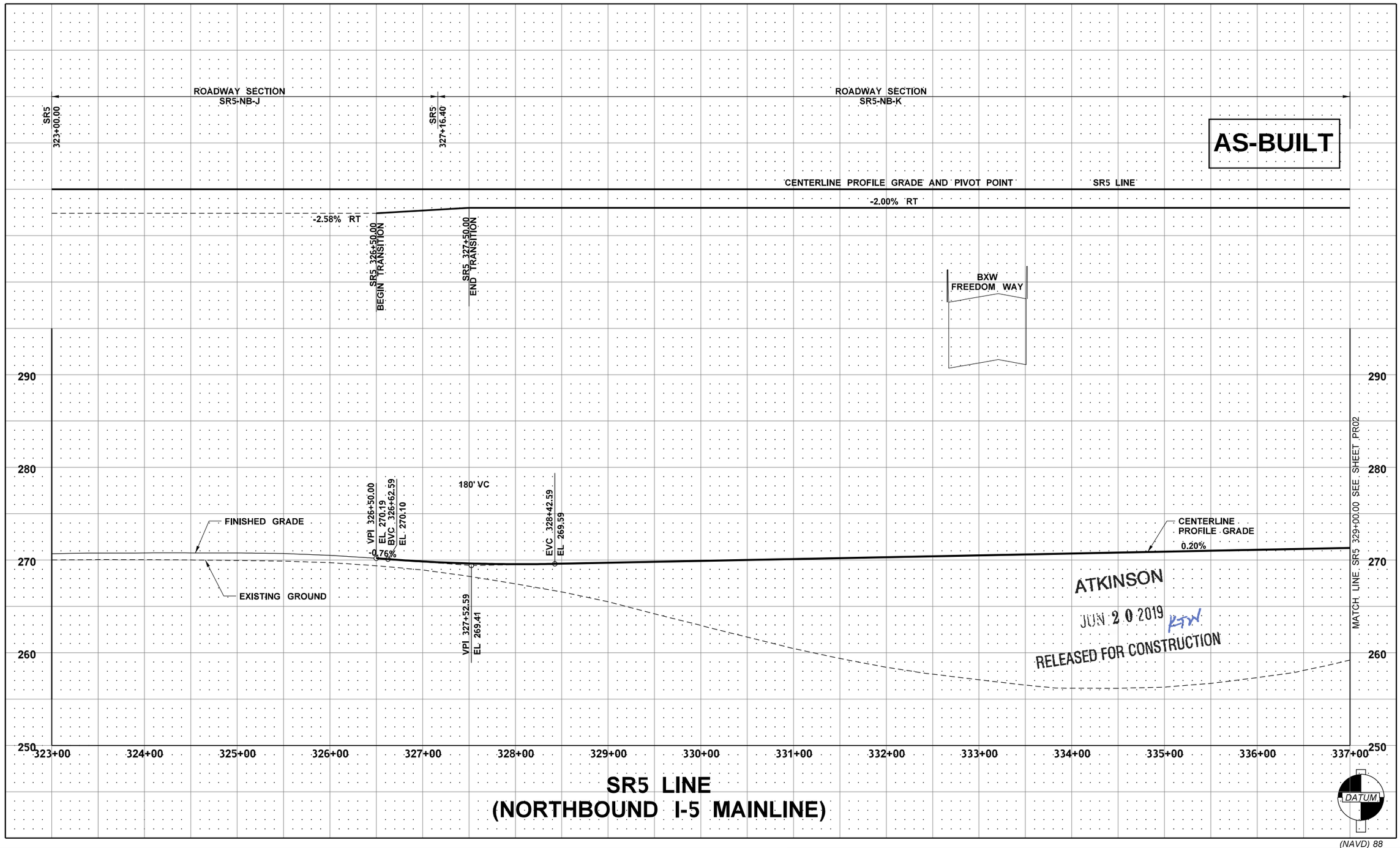


SR5 LINE
(NORTHBOUND I-5 MAINLINE)

FILE NAME	c:\pwworking\jacobs_b&l\conradcs\dms20633\PS_PR01.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	10:47:27 AM				10	WASH	
DATE	6/18/2019				JOB NUMBER		
PLOTTED BY	ConradCS						
DESIGNED BY	A. SCHMIDTMAN				CONTRACT NO.		LOCATION NO.
ENTERED BY	A. SCHMIDTMAN	REV 0 - RELEASED FOR CONSTRUCTION	06/18/19		C9133		
CHECKED BY	N. SCHRADER	REV B - FINAL REVIEW	05/28/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	05/08/19				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

ODELL LEE SCHMIDTMAN — STATE OF WASHINGTON — 47018 — REGISTERED PROFESSIONAL ENGINEER
6/19/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

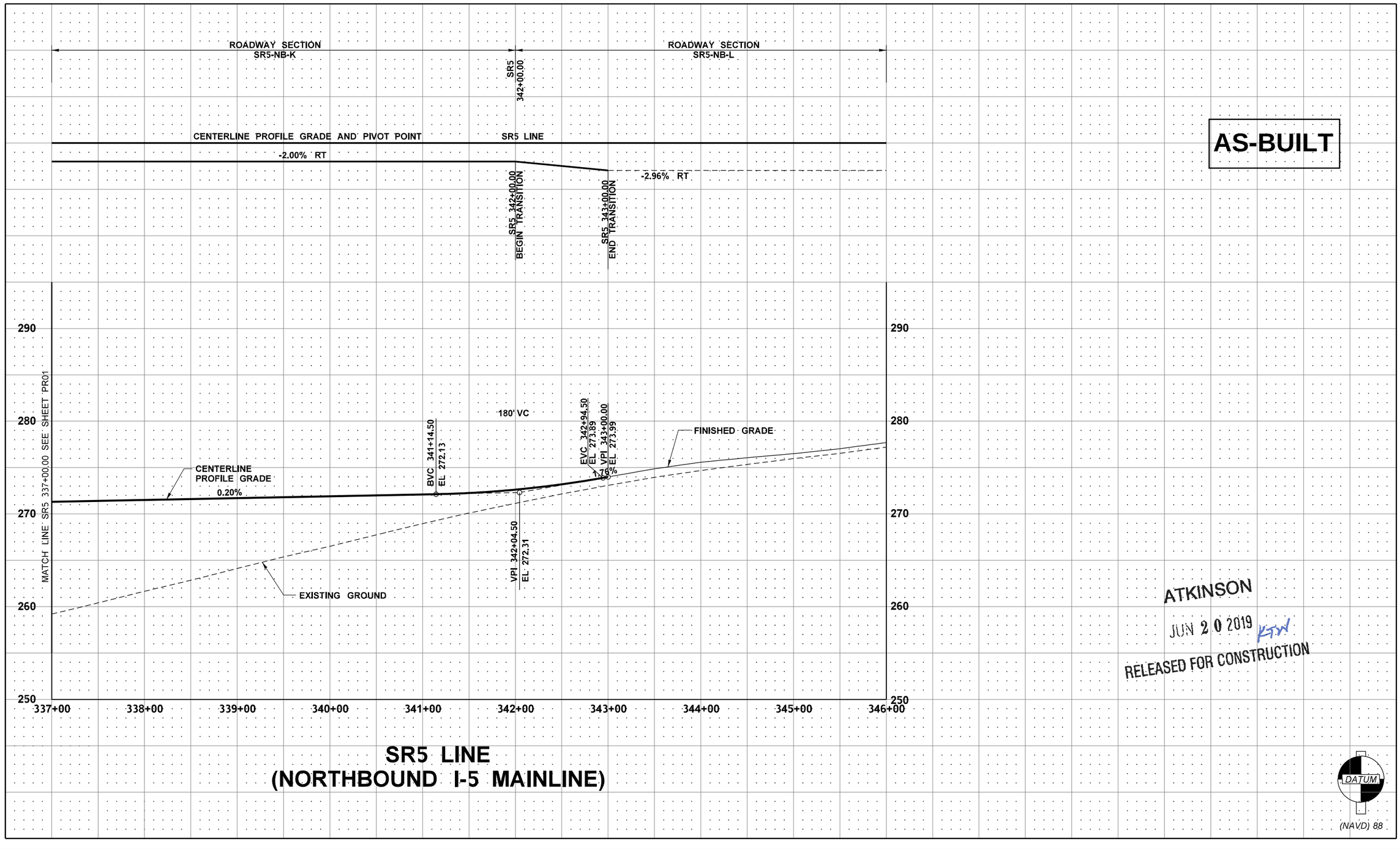
Washington State Department of Transportation
ATKINSON CONSTRUCTION / JACOBS

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

ROADWAY PROFILE & SUPERELEVATION

PLAN REF. NO. PR01

SHEET 222 OF 1456 SHEETS



AS-BUILT

ATKINSON

JUN 20 2019 KTW

RELEASED FOR CONSTRUCTION

FILE NAME	c:\pwworking\jacobs_b&i\conradcs\dms20633\PS_PR02.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	10:57:34 AM				JOB NUMBER		
DATE	6/18/2019				CONTRACT NO. C9133		LOCATION NO.
PLOTTED BY	ConradCS						
DESIGNED BY	A. SCHMIDTMAN						
ENTERED BY	A. SCHMIDTMAN	REV 0 - RELEASED FOR CONSTRUCTION	06/18/19				
CHECKED BY	N. SCHRADER	REV B - FINAL REVIEW	05/28/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	05/08/19				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

ADAM LEE SCHMIDTMAN — STATE OF WASHINGTON — 47018 — REGISTERED PROFESSIONAL ENGINEER

6/19/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

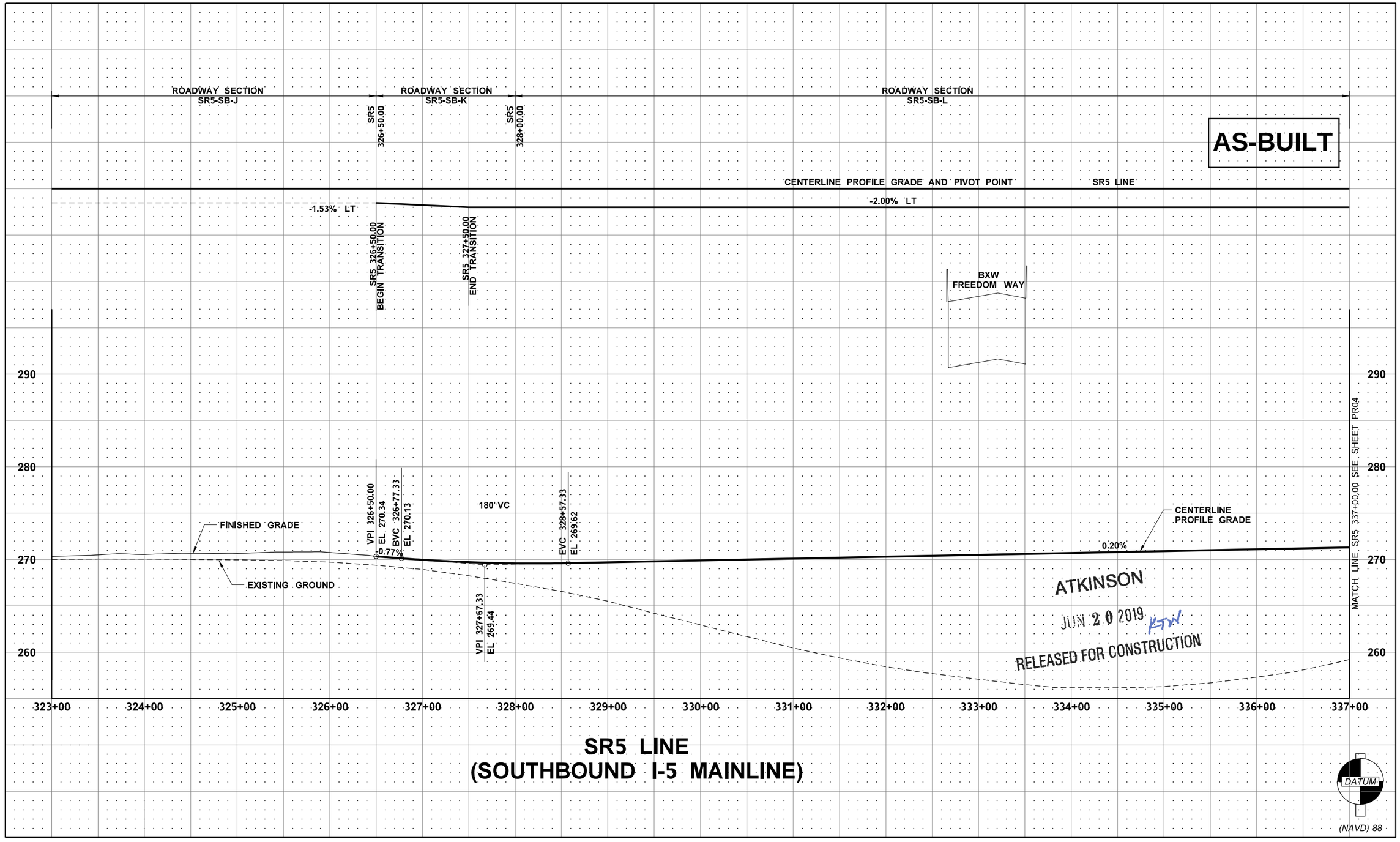
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

ROADWAY PROFILE & SUPERELEVATION

PLAN REF. NO. PR02

SHEET 223 OF 1456 SHEETS



FILE NAME	c:\pwworking\jacobs_b&i\conradcs\dms20633\PS_PR03.dgn						
TIME	11:28:52 AM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	6/18/2019						
PLOTTED BY	ConradCS				JOB NUMBER		
DESIGNED BY	A. SCHMIDTMAN						
ENTERED BY	A. SCHMIDTMAN	REV 0 - RELEASED FOR CONSTRUCTION	06/18/19		CONTRACT NO. C9133		LOCATION NO.
CHECKED BY	N. SCHRADER	REV B - FINAL REVIEW	05/28/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	05/08/19				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JOHN LEE SCHMIDTMAN — STATE OF WASHINGTON — 47016 — REGISTERED PROFESSIONAL ENGINEER
6/19/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

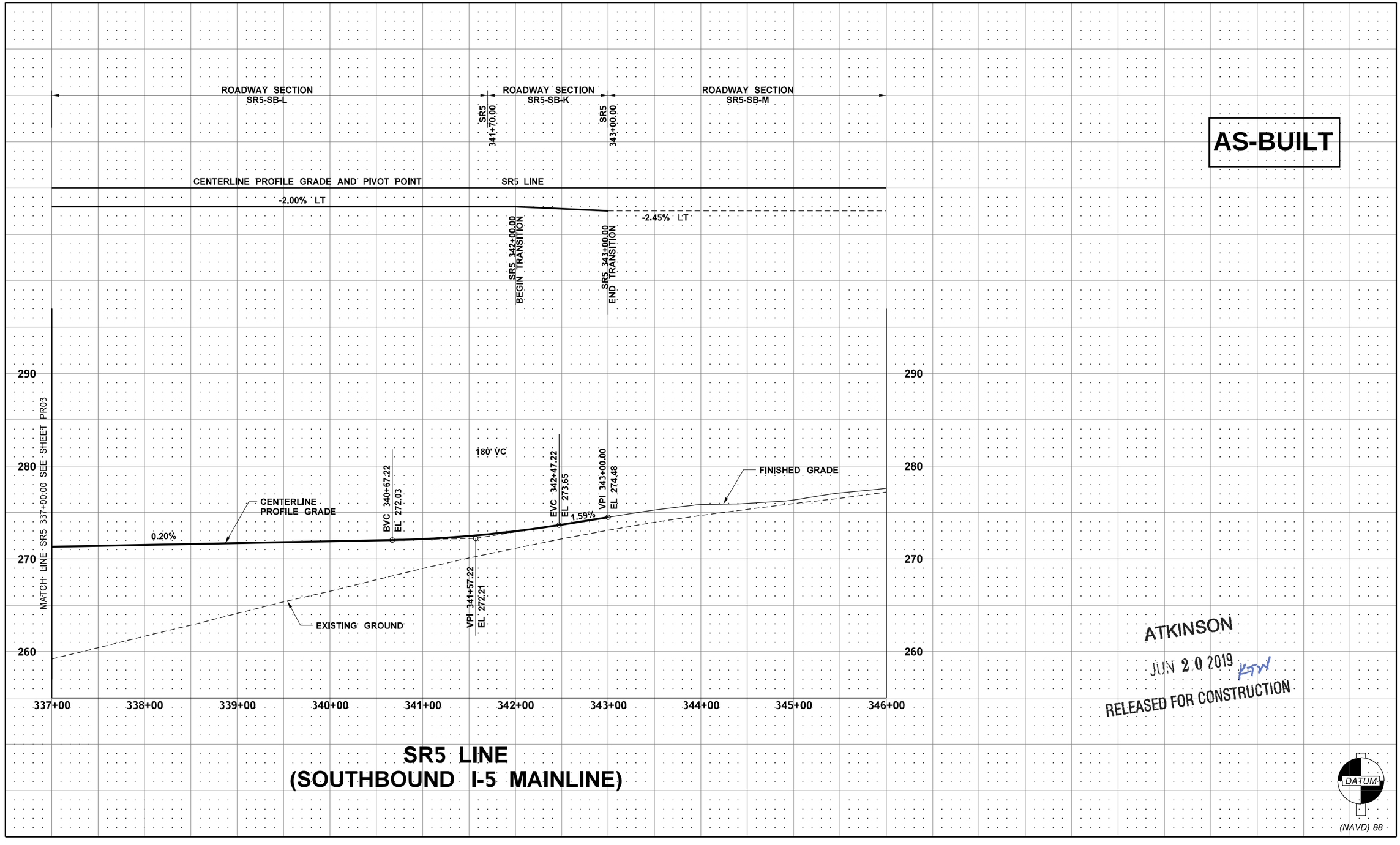
Washington State Department of Transportation
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

ROADWAY PROFILE & SUPERELEVATION

PLAN REF. NO. PR03

SHEET 224 OF 1456 SHEETS



SR5 LINE
(SOUTHBOUND I-5 MAINLINE)

FILE NAME	c:\pwworking\jacobs_b&l\conradcs\dms20633\PS_PR04.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	11:32:48 AM						
DATE	6/18/2019				JOB NUMBER		
PLOTTED BY	ConradCS						
DESIGNED BY	A. SCHMIDTMAN						
ENTERED BY	A. SCHMIDTMAN	REV 0 - RELEASED FOR CONSTRUCTION	06/18/19		CONTRACT NO. C9133		LOCATION NO.
CHECKED BY	N. SCHRADER	REV B - FINAL REVIEW	05/28/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	05/08/19				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

TODD LEE SCHMIDTMAN — STATE OF WASHINGTON — 47018 — REGISTERED PROFESSIONAL ENGINEER
6/19/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

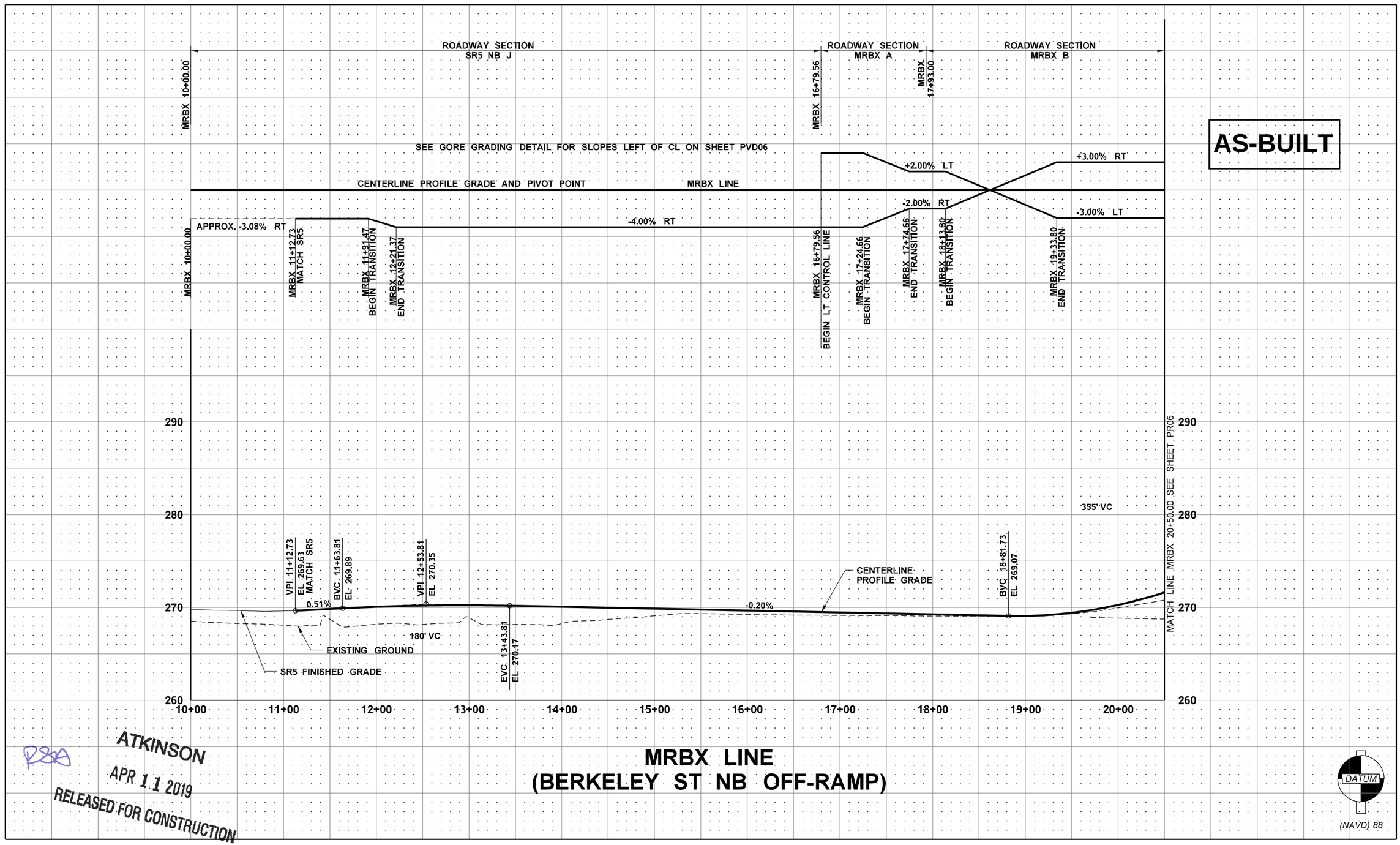
Washington State Department of Transportation
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

ROADWAY PROFILE & SUPERELEVATION

PLAN REF. NO. PR04

SHEET 225 OF 1456 SHEETS



MRBX LINE
(BERKELEY ST NB OFF-RAMP)

ATKINSON
APR 11 2019
RELEASED FOR CONSTRUCTION

FILE NAME	c:\pwworking\jacobs_b&l\schmidal\dms20633\PS_PR05.dgn						
TIME	7:52:05 AM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	4/8/2019				JOB NUMBER		
PLOTTED BY	SchmidAL						
DESIGNED BY	A. SCHMIDTMAN						
ENTERED BY	C. CONRAD	REV 0 - RELEASED FOR CONSTRUCTION	04/12/19				
CHECKED BY	M. PANICK	REV B - FINAL REVIEW	02/11/19		CONTRACT NO. C9133		LOCATION NO.
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	08/30/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

ROBERT LEE SCHMIDTMAN — STATE OF WASHINGTON — 47018 — REGISTERED PROFESSIONAL ENGINEER
4/10/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

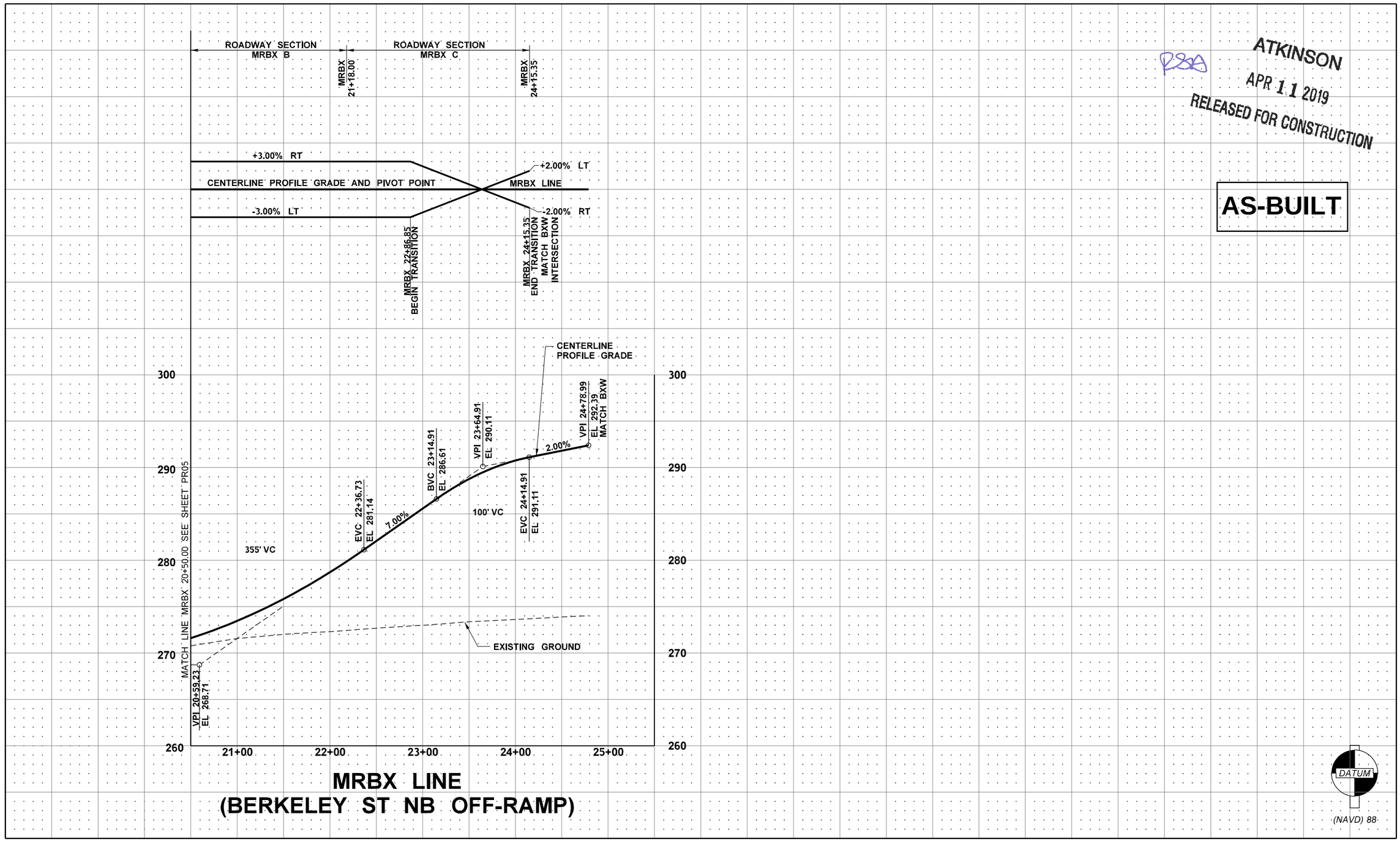
ROADWAY PROFILE & SUPERELEVATION

PLAN REF. NO. PR05

SHEET 226 OF 1456 SHEETS

ATKINSON
APR 11 2019
RELEASED FOR CONSTRUCTION

AS-BUILT



MRBX LINE
(BERKELEY ST NB OFF-RAMP)

DATUM
(NAVD) 88

FILE NAME	c:\pwworking\jacobs_b&i\schmidal\dms20633\PS_PR06.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	7:56:45 AM				10	WASH	
DATE	4/8/2019				JOB NUMBER		
PLOTTED BY	SchmidAL						
DESIGNED BY	A. SCHMIDTMAN						
ENTERED BY	C. CONRAD	REV 0 - RELEASED FOR CONSTRUCTION	04/12/19		CONTRACT NO.		LOCATION NO.
CHECKED BY	M. PANICK	REV B - FINAL REVIEW	02/11/19		C9133		
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	08/30/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JODIE LEE SCHMIDTMAN — STATE OF WASHINGTON — 47018 — REGISTERED PROFESSIONAL ENGINEER
4/10/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

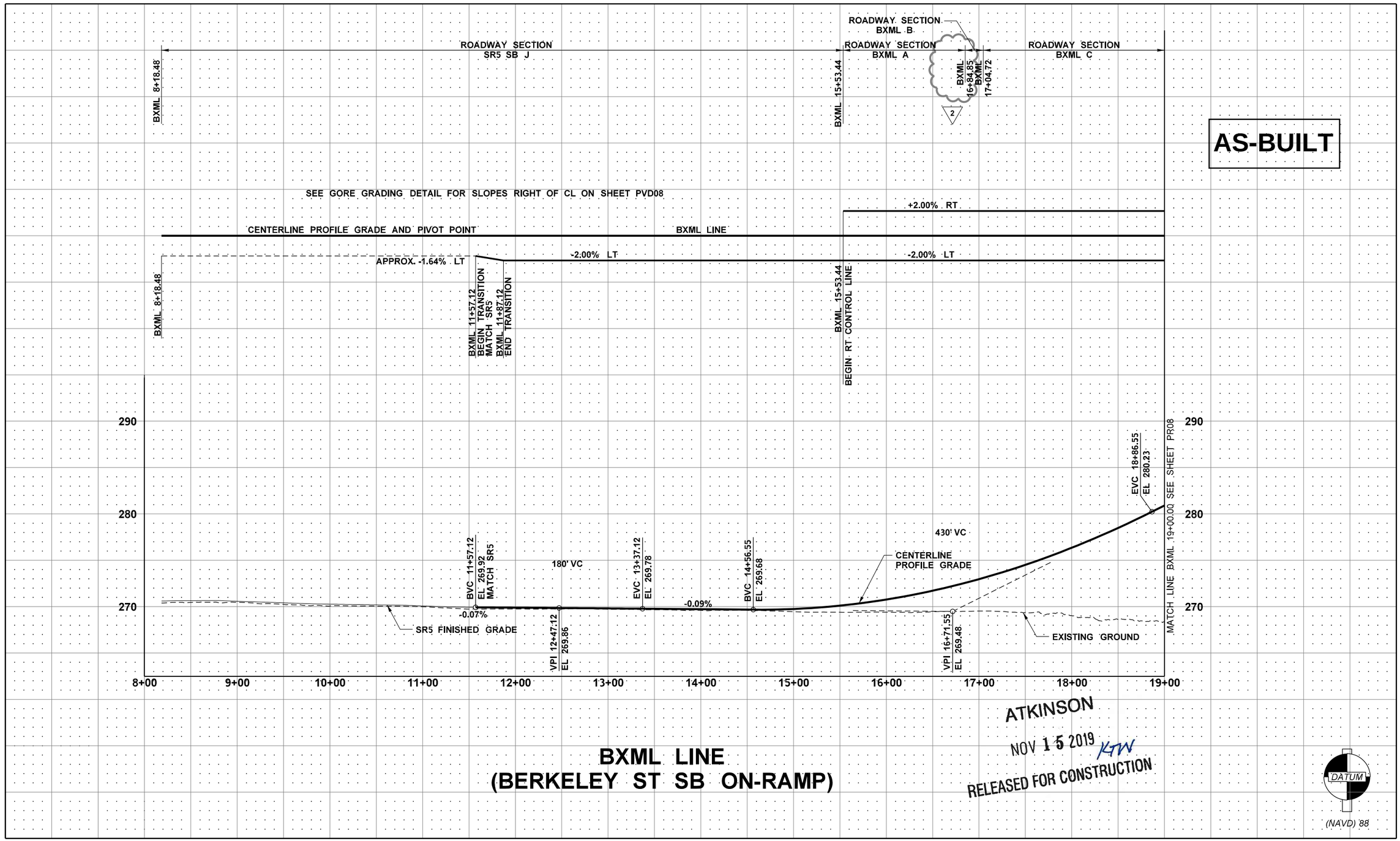
Washington State Department of Transportation
ATKINSON CONSTRUCTION / JACOBS

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

ROADWAY PROFILE & SUPERELEVATION

PLAN REF. NO. PR06

SHEET 227 OF 1456 SHEETS



BXML LINE
(BERKELEY ST SB ON-RAMP)

FILE NAME	c:\pwworking\jacobs_b&l\schmidal\dms20633\PS_PR07.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	9:45:47 AM				10	WASH	
DATE	11/13/2019				JOB NUMBER		
PLOTTED BY	SchmidAL	REV 2 - RFI0313	11/13/19				
DESIGNED BY	A. SCHMIDTMAN	REV 1 - RFI0136	06/18/19		CONTRACT NO.		LOCATION NO.
ENTERED BY	C. CONRAD	REV 0 - RELEASED FOR CONSTRUCTION	04/12/19		C9133		
CHECKED BY	M. PANICK	REV B - FINAL REVIEW	02/11/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	08/30/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

P.E. STAMP BOX — 47018 REGISTERED PROFESSIONAL ENGINEER — 11/14/19 DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

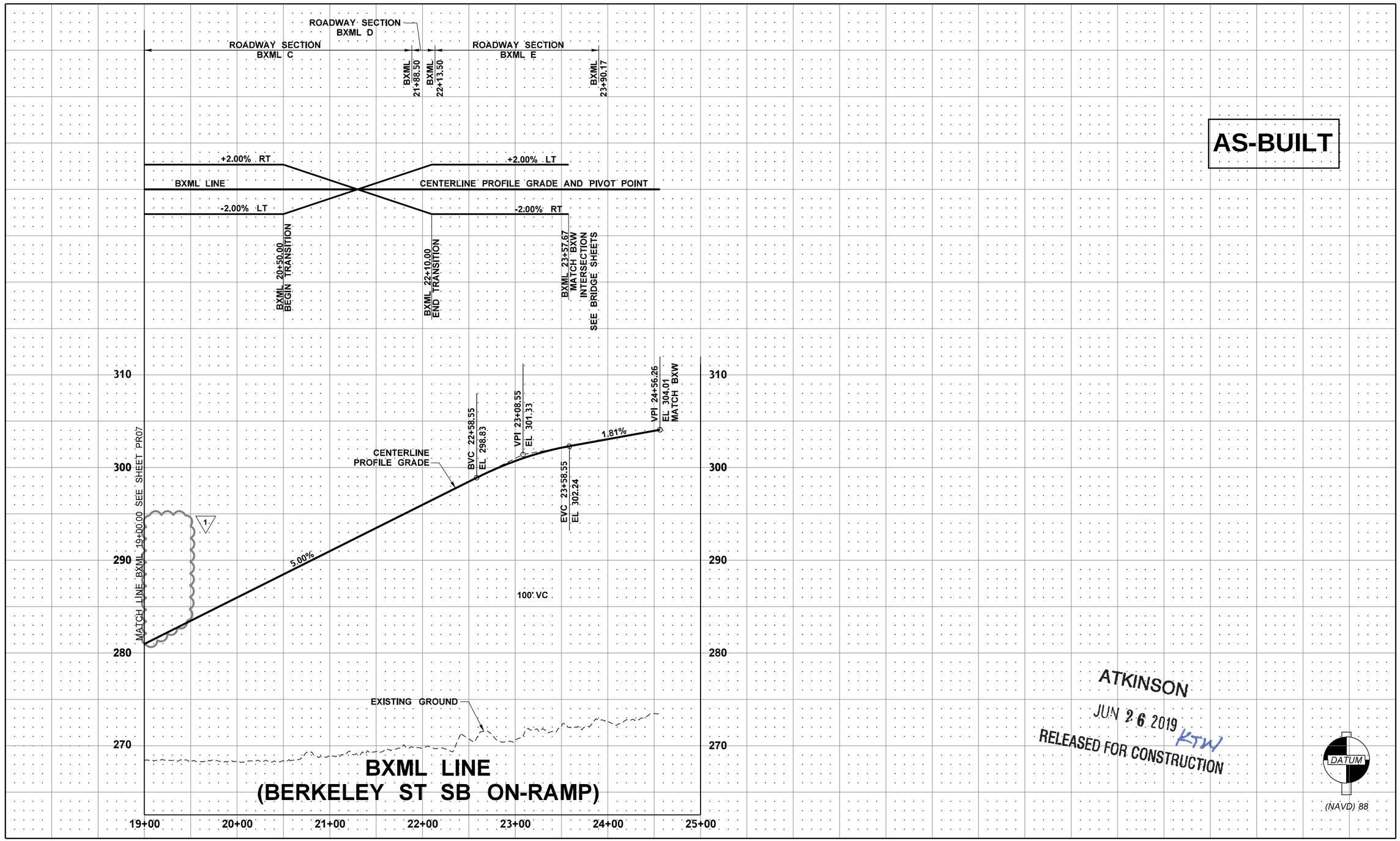
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

ROADWAY PROFILE & SUPERELEVATION

PLAN REF. NO. PR07

SHEET 228 OF 1456 SHEETS



AS-BUILT

ATKINSON
JUN 26 2019 KTW
RELEASED FOR CONSTRUCTION

DATUM
(NAVD) 88

FILE NAME	c:\pwworking\jacobs_b&i\conradcs\dms20633\PS_PR08.dgn				REGION NO. / STATE	FED.AID PROJ.NO.	
TIME	13:51:57				10 WASH		
DATE	06/20/19				JOB NUMBER		
PLOTTED BY	ConradCS						
DESIGNED BY	A. SCHMIDTMAN	REV 1 - RFI0136	06/18/19		CONTRACT NO.	LOCATION NO.	
ENTERED BY	C. CONRAD	REV 0 - RELEASED FOR CONSTRUCTION	04/12/19		C9133		
CHECKED BY	M. PANICK	REV B - FINAL REVIEW	02/11/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	08/30/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

STATE OF WASHINGTON — 47018 — REGISTERED PROFESSIONAL ENGINEER
6/25/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

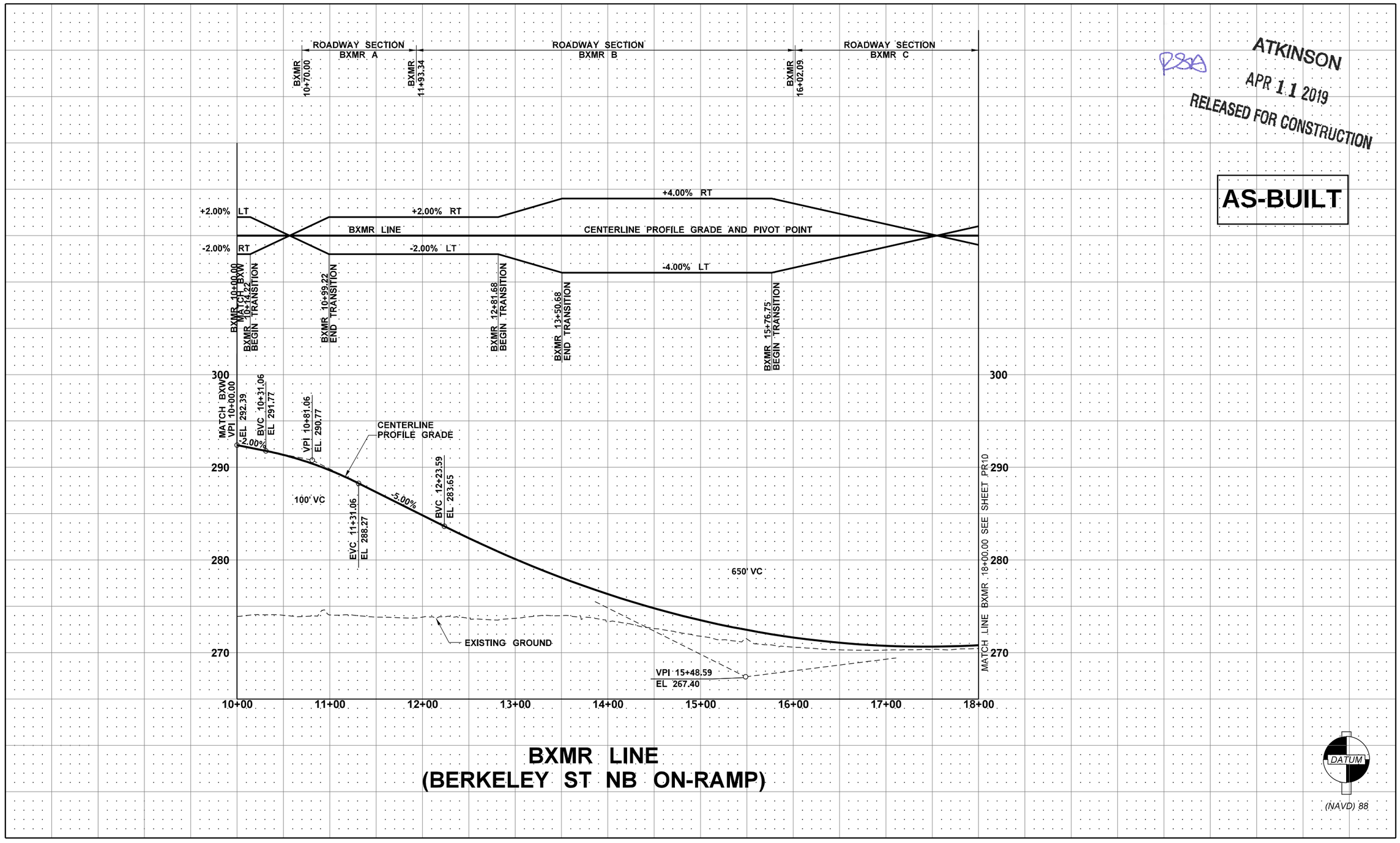
ROADWAY PROFILE & SUPERELEVATION

PLAN REF. NO. PR08

SHEET 229 OF 1456 SHEETS

ATKINSON
APR 11 2019
RELEASED FOR CONSTRUCTION

AS-BUILT



BXMR LINE
(BERKELEY ST NB ON-RAMP)

DATUM
(NAVD) 88

FILE NAME	c:\pwworking\jacobs_b&i\schmidal\dms20633\PS_PR09.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	8:06:03 AM						
DATE	4/8/2019						
PLOTTED BY	SchmidAL				JOB NUMBER		
DESIGNED BY	A. SCHMIDTMAN						
ENTERED BY	C. CONRAD	REV 0 - RELEASED FOR CONSTRUCTION	04/12/19		CONTRACT NO. C9133		LOCATION NO.
CHECKED BY	M. PANICK	REV B - FINAL REVIEW	02/11/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	08/30/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

ADAM LEE SCHMIDTMAN — STATE OF WASHINGTON — 47018 — REGISTERED PROFESSIONAL ENGINEER
4/10/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

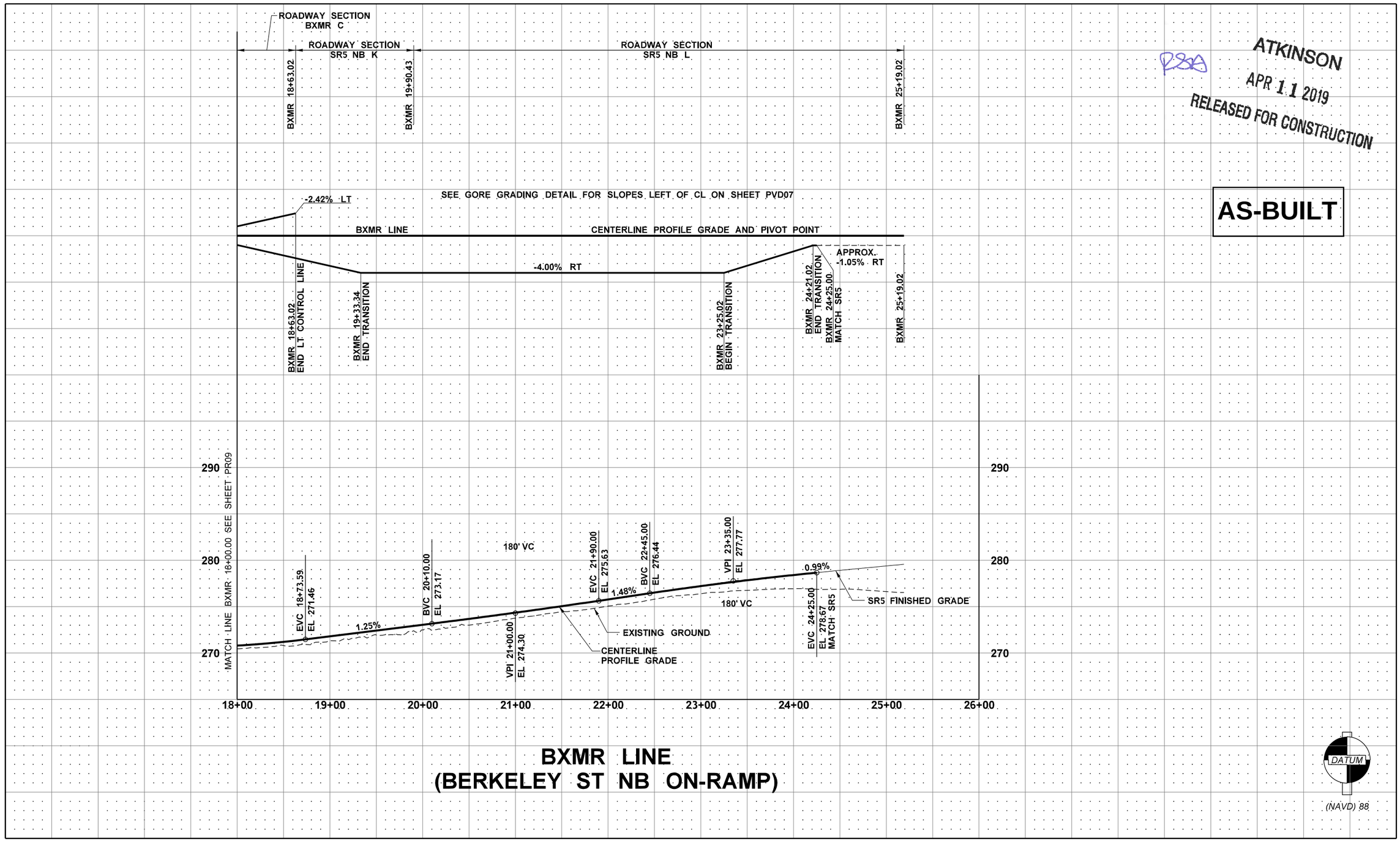
Washington State Department of Transportation
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

ROADWAY PROFILE & SUPERELEVATION

PLAN REF. NO. PR09

SHEET 230 OF 1456 SHEETS



ATKINSON
APR 11 2019
RELEASED FOR CONSTRUCTION

AS-BUILT

BXMR LINE
(BERKELEY ST NB ON-RAMP)

FILE NAME	c:\pwworking\jacobs_b&i\schmidal\dms20633\PS_PR10.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	8:13:29 AM						
DATE	4/8/2019				JOB NUMBER		
PLOTTED BY	SchmidAL						
DESIGNED BY	A. SCHMIDTMAN				CONTRACT NO. C9133		LOCATION NO.
ENTERED BY	C. CONRAD	REV 0 - RELEASED FOR CONSTRUCTION	04/12/19				
CHECKED BY	M. PANICK	REV B - FINAL REVIEW	02/11/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	08/30/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

ADAM LEE SCHMIDTMAN STATE OF WASHINGTON 47018 REGISTERED PROFESSIONAL ENGINEER
4/10/19
P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

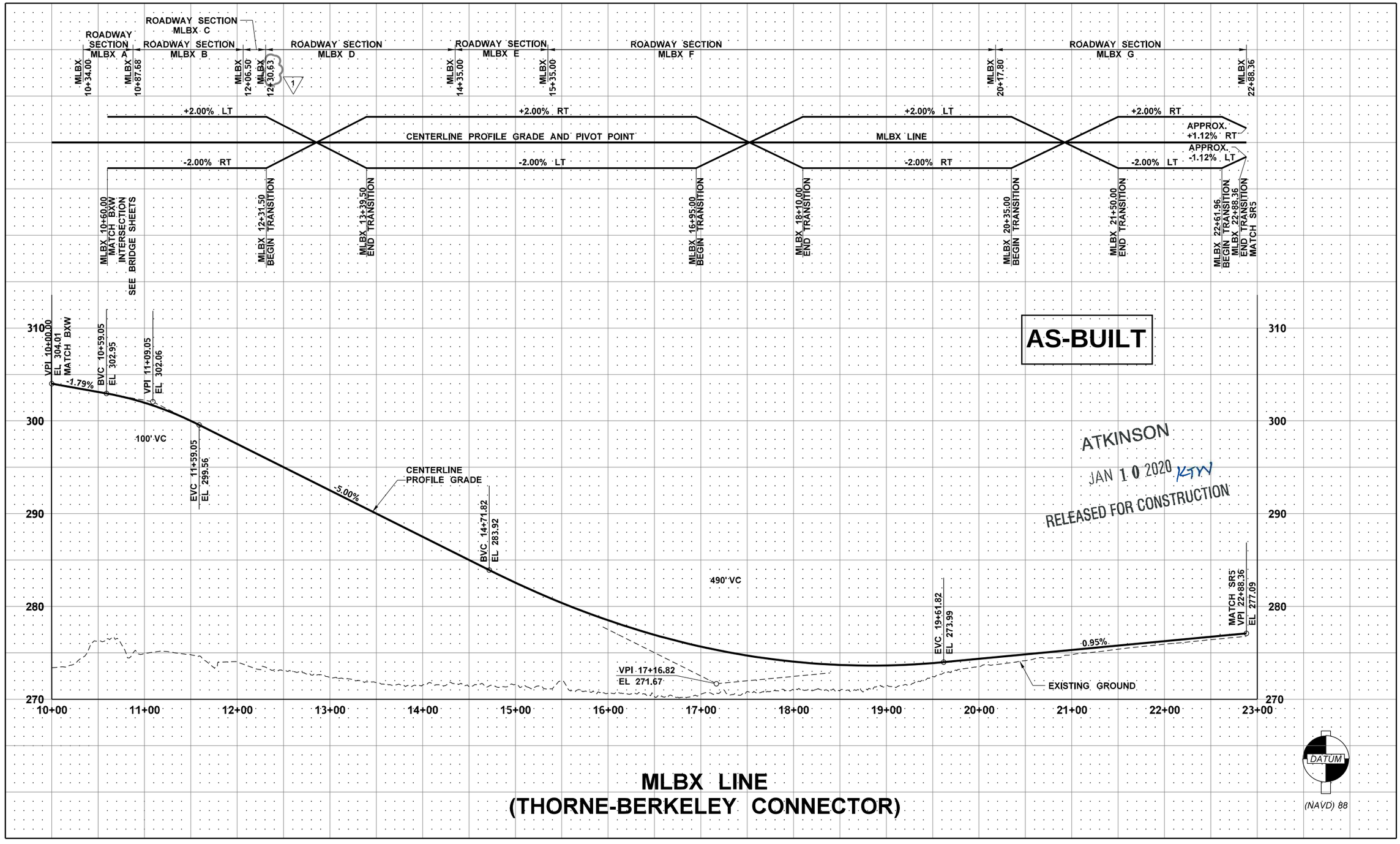
Washington State Department of Transportation
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

ROADWAY PROFILE & SUPERELEVATION

PLAN REF. NO. PR10

SHEET 231 OF 1456 SHEETS



MLBX LINE
(THORNE-BERKELEY CONNECTOR)

FILE NAME	c:\pwworking\jacobs_b&l\conradcs\dms20633\PS_PR11.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	5:52:33 PM				10	WASH	
DATE	1/8/2020				JOB NUMBER		
PLOTTED BY	ConradCS						
DESIGNED BY	A. SCHMIDTMAN	REV 1 - RFI0365	01/08/19		CONTRACT NO.	LOCATION NO.	
ENTERED BY	C. CONRAD	REV 0 - RELEASED FOR CONSTRUCTION	04/12/19		C9133		
CHECKED BY	M. PANICK	REV B - FINAL REVIEW	02/11/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	08/30/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

ADAM LEE SCHMIDTMAN — STATE OF WASHINGTON — 47018 — REGISTERED PROFESSIONAL ENGINEER
01/09/20
P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

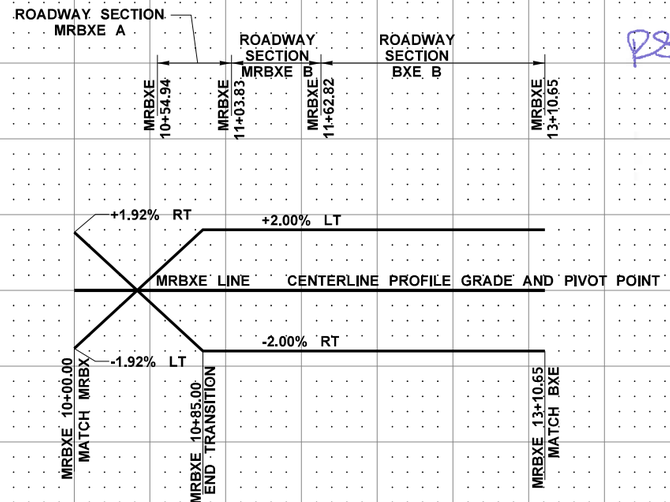
ROADWAY PROFILE & SUPERELEVATION

PLAN REF. NO. PR11

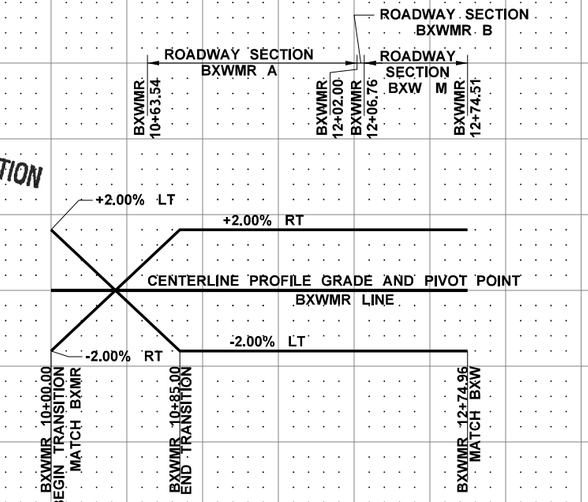
SHEET 232 OF 1456 SHEETS

ATKINSON
APR 11 2019
RELEASED FOR CONSTRUCTION

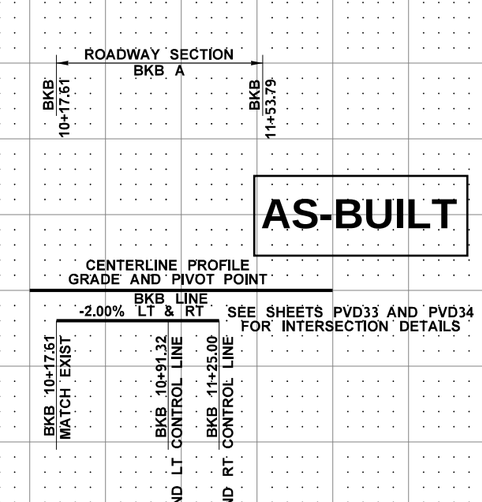
AS-BUILT



MRBXE LINE
(NB OFF-RAMP TO EB JACKSON AVE)



BXWMR LINE
(WB JACKSON AVE TO NB ON-RAMP)



BKB LINE
(BERKELEY ST SW)

DATUM
(NAVD) 88

FILE NAME	c:\pwworking\jacobs_b&l\schmidal\dms20633\PS_PR12.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	8:25:07 AM				10	WASH	
DATE	4/8/2019				JOB NUMBER		
PLOTTED BY	SchmidAL						
DESIGNED BY	A. SCHMIDTMAN				CONTRACT NO.		LOCATION NO.
ENTERED BY	C. CONRAD	REV 0 - RELEASED FOR CONSTRUCTION	04/12/19		C9133		
CHECKED BY	M. PANICK	REV B - FINAL REVIEW	02/11/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	08/30/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

STEVEN LEE SCHMIDTMAN 47018 REGISTERED PROFESSIONAL ENGINEER
4/10/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation
ATKINSON CONSTRUCTION / JACOBS

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

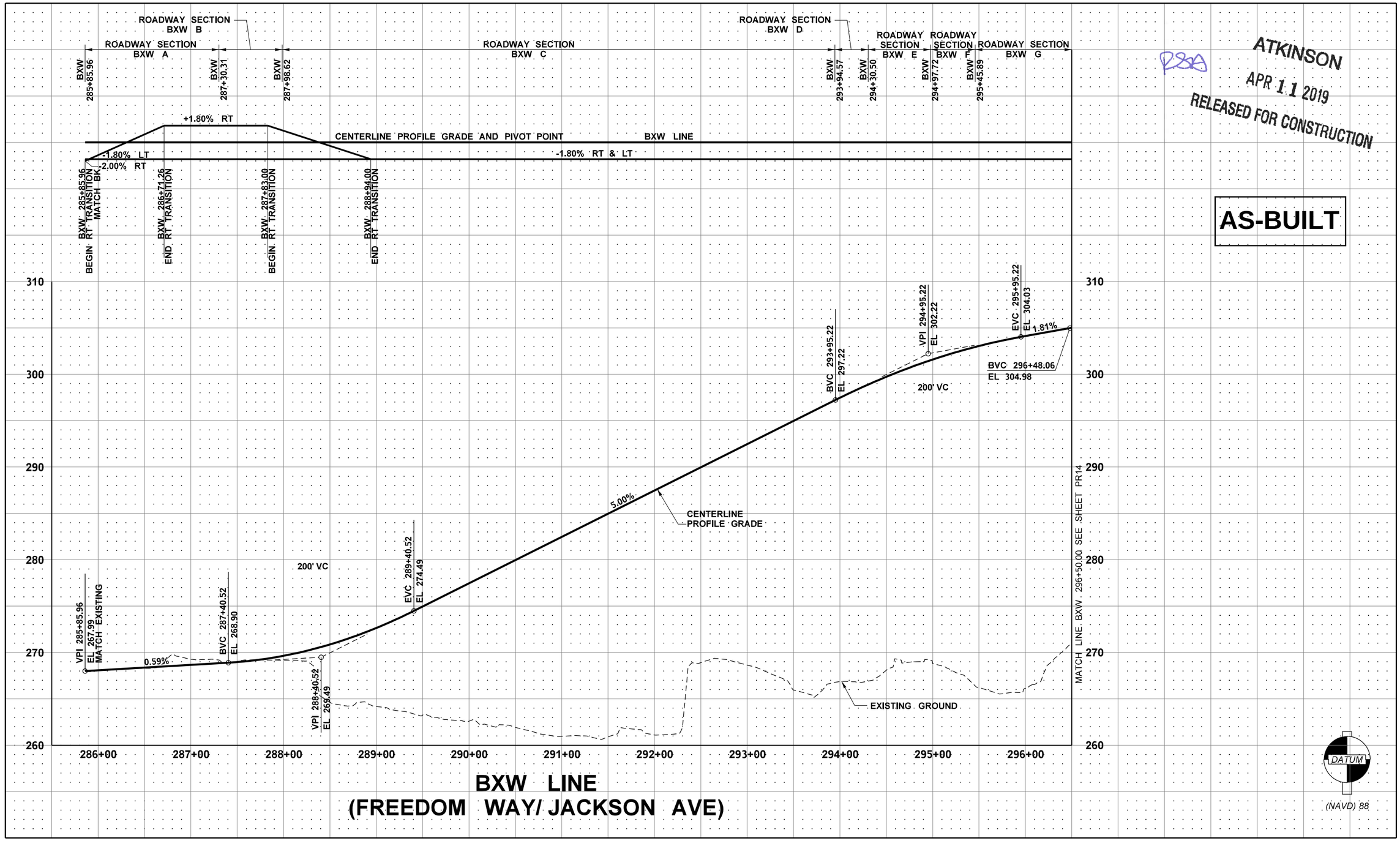
ROADWAY PROFILE & SUPERELEVATION

PLAN REF. NO. PR12

SHEET 233 OF 1456 SHEETS

ATKINSON
APR 11 2019
RELEASED FOR CONSTRUCTION

AS-BUILT



BXW LINE
(FREEDOM WAY/ JACKSON AVE)

FILE NAME	c:\pwworking\jacobs_b&i\schmidal\dms20633\PS_PR13.dgn				REGION NO.	STATE	FED.AID PROJ.NO.	
TIME	1:56:10 PM				10	WASH		
DATE	4/8/2019				JOB NUMBER			
PLOTTED BY	SchmidAL							
DESIGNED BY	A. SCHMIDTMAN				CONTRACT NO.		LOCATION NO.	
ENTERED BY	C. CONRAD	REV 0 - RELEASED FOR CONSTRUCTION	04/12/19		C9133			
CHECKED BY	M. PANICK	REV B - FINAL REVIEW	02/11/19					
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	08/30/18					
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY				

ADAM LEE SCHMIDTMAN — STATE OF WASHINGTON — 47018 — REGISTERED PROFESSIONAL ENGINEER
4/10/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

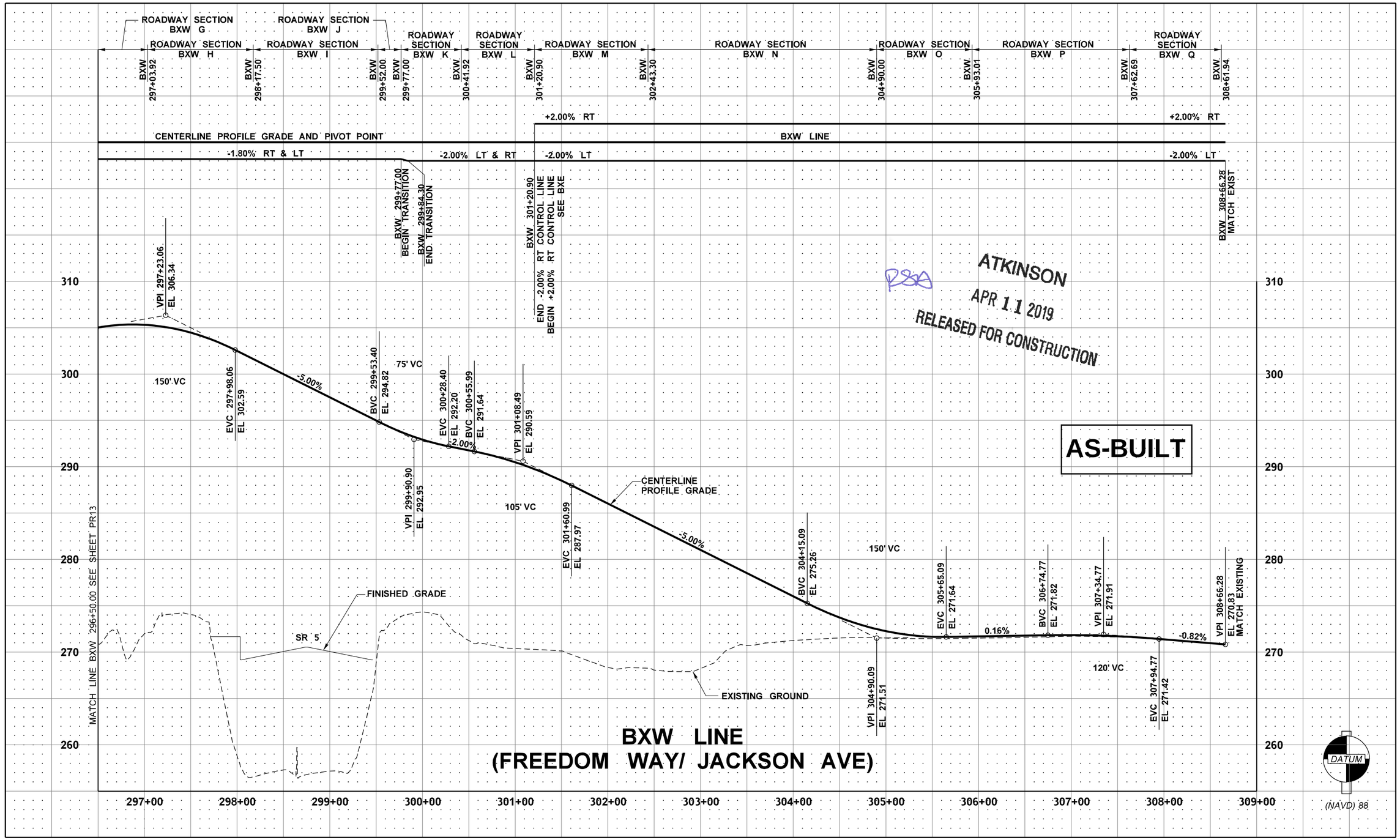
Washington State Department of Transportation
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

ROADWAY PROFILE & SUPERELEVATION

PLAN REF. NO. PR13

SHEET 234 OF 1456 SHEETS



FILE NAME	c:\pwworking\jacobs_b&i\schmidal\dms20633\PS_PR14.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	1:57:36 PM						
DATE	4/8/2019				JOB NUMBER		
PLOTTED BY	SchmidAL						
DESIGNED BY	A. SCHMIDTMAN				CONTRACT NO. C9133		LOCATION NO.
ENTERED BY	C. CONRAD	REV 0 - RELEASED FOR CONSTRUCTION	04/12/19				
CHECKED BY	M. PANICK	REV B - FINAL REVIEW	02/11/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	08/30/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

ADAM LEE SCHMIDTMAN STATE OF WASHINGTON 47018 REGISTERED PROFESSIONAL ENGINEER
4/10/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

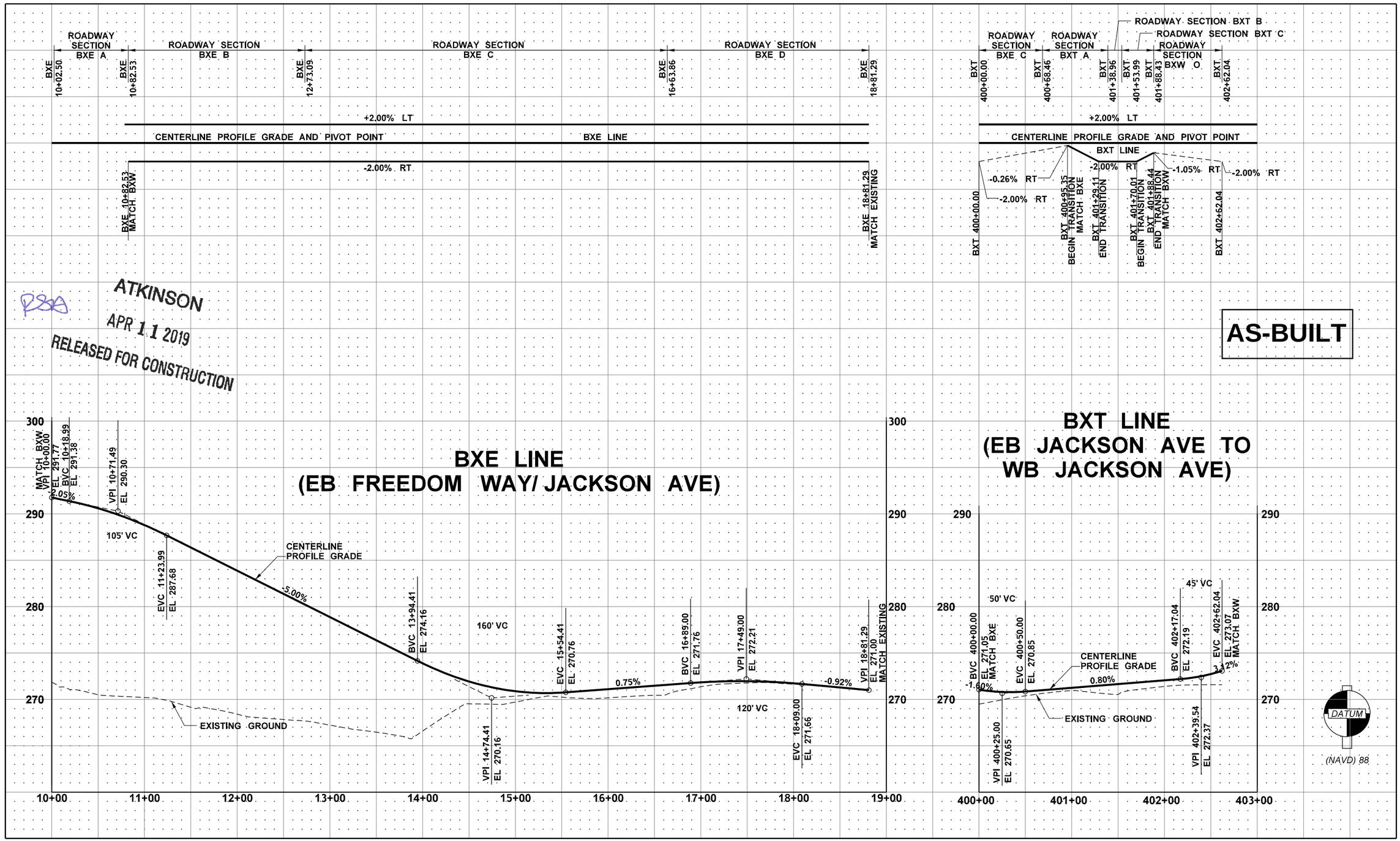
Washington State Department of Transportation
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

ROADWAY PROFILE & SUPERELEVATION

PLAN REF. NO. PR14

SHEET 235 OF 1456 SHEETS



FILE NAME	c:\pwworking\jacobs_b&i\schmidal\dms20633\PS_PR15.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	1:58:47 PM				10	WASH	
DATE	4/8/2019				JOB NUMBER		
PLOTTED BY	SchmidAL						
DESIGNED BY	A. SCHMIDTMAN						
ENTERED BY	C. CONRAD	REV 0 - RELEASED FOR CONSTRUCTION	04/12/19		CONTRACT NO.		LOCATION NO.
CHECKED BY	N. SCHRADER	REV B - FINAL REVIEW	02/11/19		C9133		
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	08/30/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

P.E. STAMP BOX — DATE 4/10/19

P.E. STAMP BOX — DATE

Washington State Department of Transportation

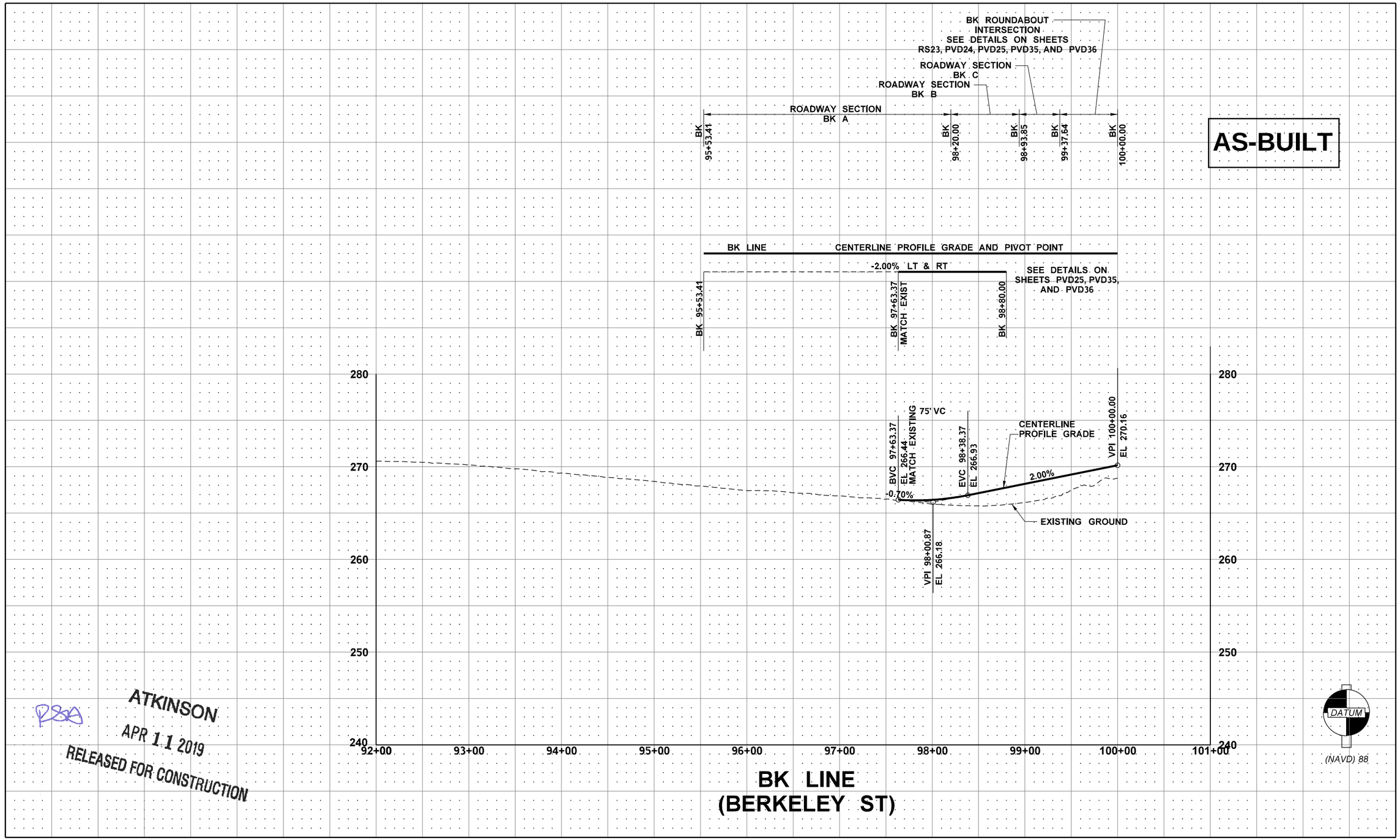
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

ROADWAY PROFILE & SUPERELEVATION

PLAN REF. NO. PR15

SHEET 236 OF 1456 SHEETS



ATKINSON
APR 11 2019
RELEASED FOR CONSTRUCTION

FILE NAME	c:\pwworking\jacobs_b&i\schmidal\dms20633\PS_PR16.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	2:00:32 PM						
DATE	4/8/2019						
PLOTTED BY	SchmidAL						
DESIGNED BY	A. SCHMIDTMAN				JOB NUMBER		
ENTERED BY	C. CONRAD	REV 0 - RELEASED FOR CONSTRUCTION	04/12/19				
CHECKED BY	M. PANICK	REV B - FINAL REVIEW	02/11/19		CONTRACT NO. C9133		LOCATION NO.
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	08/30/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

ADAM LEE SCHMIDTMAN STATE OF WASHINGTON 47018 REGISTERED PROFESSIONAL ENGINEER
4/10/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

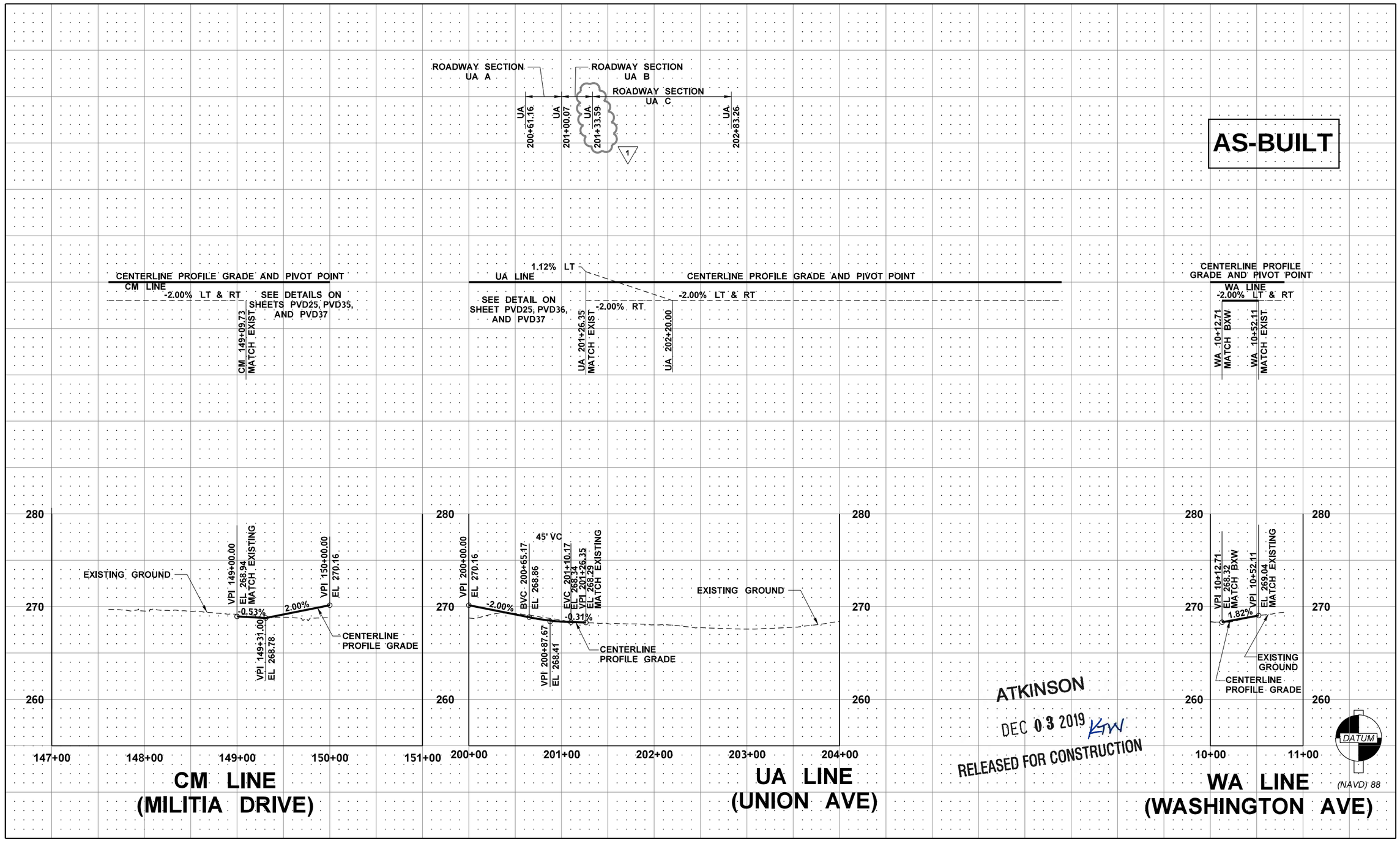
Washington State Department of Transportation
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

ROADWAY PROFILE & SUPERELEVATION

PLAN REF. NO. PR16

SHEET 237 OF 1456 SHEETS



ATKINSON
DEC 03 2019 KW
RELEASED FOR CONSTRUCTION

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TIME	10:42:42 AM				10	WASH	
DATE	11/26/2019				JOB NUMBER		
PLOTTED BY	SchmidAL						
DESIGNED BY	A. SCHMIDTMAN	REV 1 - RFI0307	11/26/19		CONTRACT NO.		LOCATION NO.
ENTERED BY	C. CONRAD	REV 0 - RELEASED FOR CONSTRUCTION	04/12/19		C9133		
CHECKED BY	M. PANICK	REV B - FINAL REVIEW	02/11/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	08/30/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

CODY LEE SCHMIDTMAN — 47018 — REGISTERED PROFESSIONAL ENGINEER
11/26/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

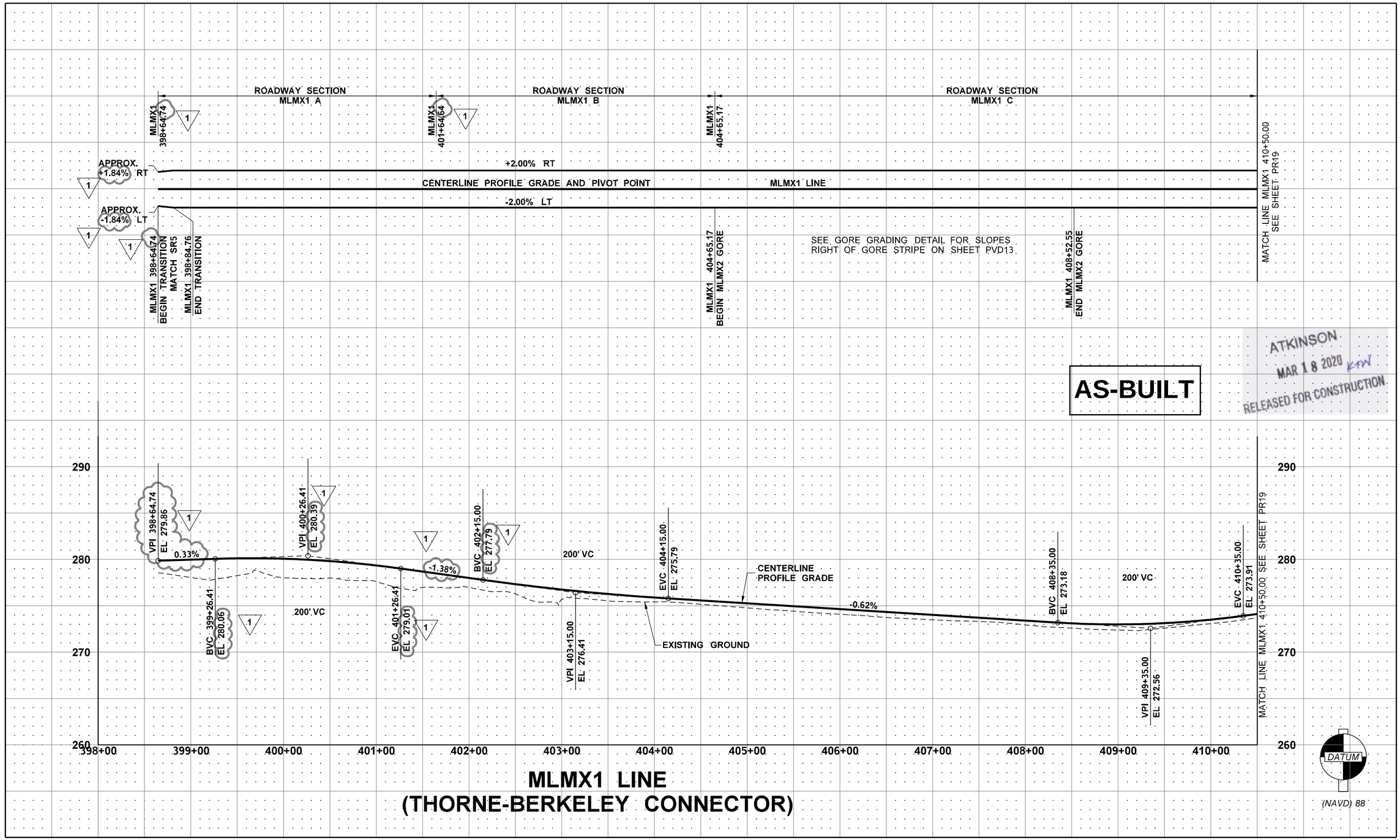
Washington State Department of Transportation
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

ROADWAY PROFILE & SUPERELEVATION

PLAN REF. NO. PR17

SHEET 238 OF 1456 SHEETS



MLMX1 LINE
(THORNE-BERKELEY CONNECTOR)

FILE NAME	c:\pwworking\jacobs_b&i\schmidal\dms20633\PS_PR18.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	2:56:37 PM						
DATE	3/17/2020				JOB NUMBER		
PLOTTED BY	SchmidAL	REV 1 - RFI0429	03/17/20				
DESIGNED BY	S. MEING	REV C - FINAL REVIEW	02/12/20		CONTRACT NO. C9133	LOCATION NO.	
ENTERED BY	C. CONRAD	REV 0 - RELEASED FOR CONSTRUCTION	06/05/19				
CHECKED BY	N. SCHRADER	REV B - FINAL REVIEW	04/26/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	12/06/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

NICHOLAS J. SCHRADER STATE OF WASHINGTON 47019 REGISTERED PROFESSIONAL ENGINEER
03/17/20
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

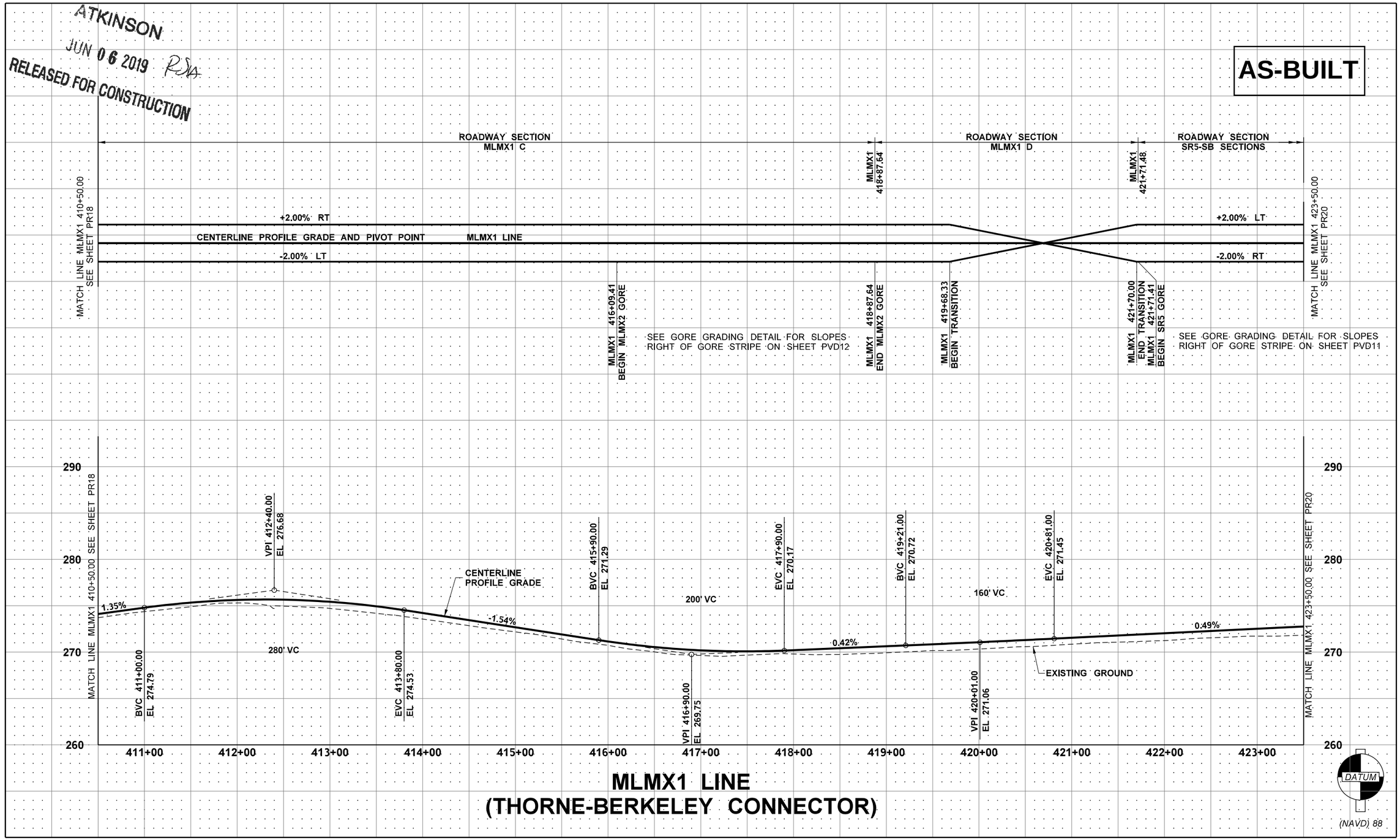
ROADWAY PROFILE & SUPERELEVATION

PLAN REF. NO. PR18

SHEET 239 OF 1456 SHEETS

ATKINSON
JUN 06 2019 RJA
RELEASED FOR CONSTRUCTION

AS-BUILT



MLMX1 LINE
(THORNE-BERKELEY CONNECTOR)

FILE NAME	c:\pwworking\jacobs_b&i\schradnj\dms20633\PS_PR19.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	12:49:59 PM				JOB NUMBER		
DATE	6/3/2019						
PLOTTED BY	SchradNJ						
DESIGNED BY	S. MEING						
ENTERED BY	C. CONRAD	REV 0 - RELEASED FOR CONSTRUCTION	06/05/19		CONTRACT NO. C9133		LOCATION NO.
CHECKED BY	N. SCHRADER	REV B - FINAL REVIEW	04/26/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	12/06/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

NICHOLAS J. SCHRADER — STATE OF WASHINGTON — 47019 — REGISTERED PROFESSIONAL ENGINEER
6/6/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

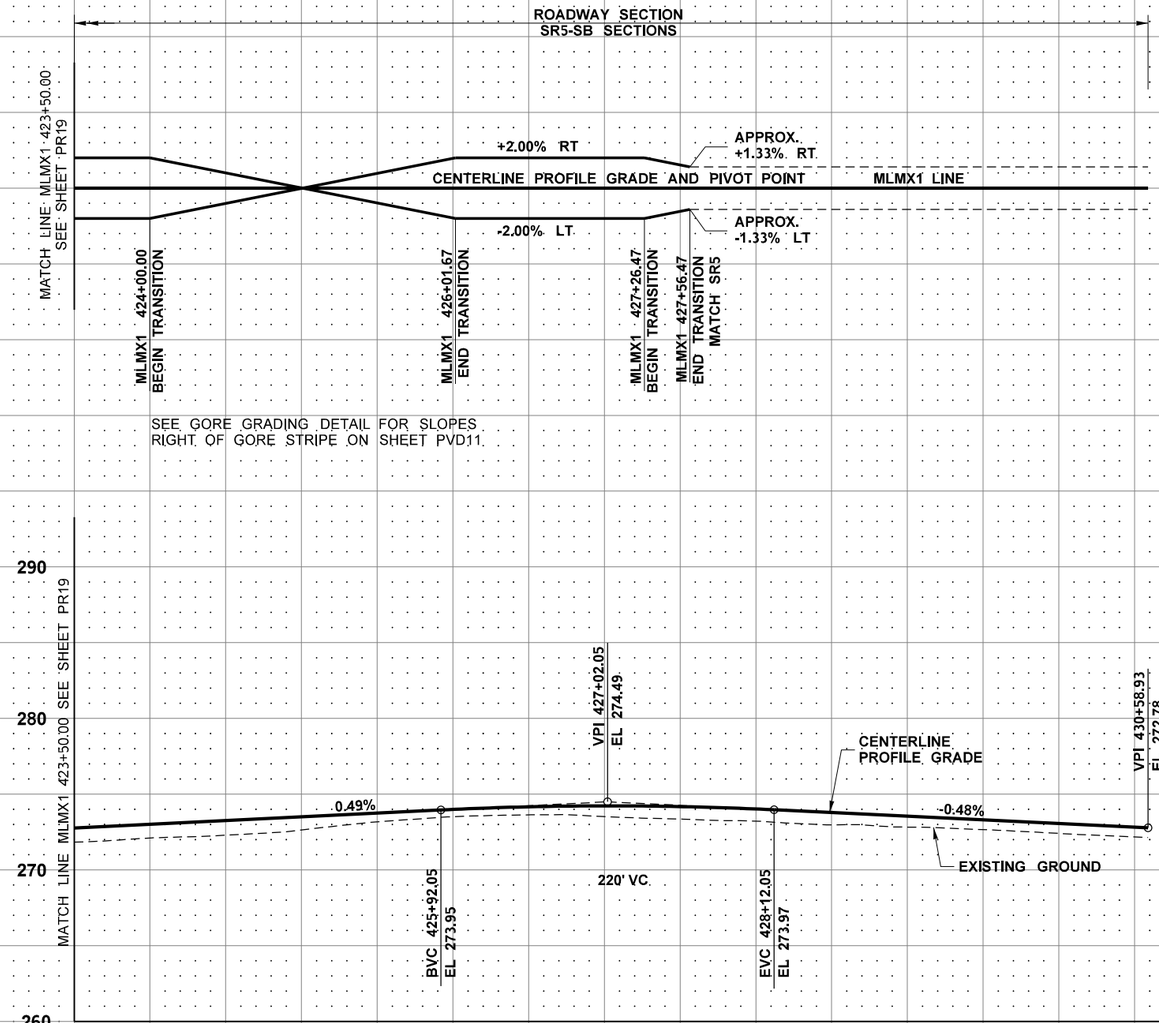
ROADWAY PROFILE & SUPERELEVATION

PLAN REF. NO. PR19

SHEET 240 OF 1456 SHEETS

ATKINSON
JUN 06 2019 RSA
RELEASED FOR CONSTRUCTION

AS-BUILT



MLMX1 LINE
(THORNE-BERKELEY CONNECTOR)

FILE NAME	c:\pwworking\jacobs_b&i\schradnj\dms20633\PS_PR20.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
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DATE	6/3/2019				JOB NUMBER		
PLOTTED BY	SchradNJ						
DESIGNED BY	S. MEING				CONTRACT NO.		LOCATION NO.
ENTERED BY	C. CONRAD	REV 0 - RELEASED FOR CONSTRUCTION	06/05/19		C9133		
CHECKED BY	N. SCHRADER	REV B - FINAL REVIEW	04/26/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	12/06/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

NICHOLAS J. SCHRADER — STATE OF WASHINGTON — 47019 — REGISTERED PROFESSIONAL ENGINEER
6/6/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

ROADWAY PROFILE & SUPERELEVATION

PLAN REF. NO. PR20

SHEET 241 OF 1456 SHEETS

ROADWAY SECTION
MLMX2 A

AS-BUILT

MLMX2 498+45.73

MLMX2 512+68.86

+2.00% RT | +2.00% RT | +2.00% RT

CENTERLINE PROFILE GRADE AND PIVOT POINT — MLMX2 LINE

-2.00% LT | -2.00% LT | -2.00% LT

MLMX2 498+45.73 BEGIN MLMX1 GORE MATCH MLMX1

MLMX2 502+33.70 END MLMX1 GORE

MLMX2 505+79.56 BEGIN MXTX INTERSECTION

MLMX2 507+33.91 END MXTX INTERSECTION

MLMX2 509+90.42 BEGIN MLMX1 GORE

MLMX2 512+68.86 END MLMX1 GORE

ATKINSON
OCT 02 2019
RELEASED FOR CONSTRUCTION

VPI 498+45.73 EL 275.72
BVC 498+91.49 EL 275.44
EVC 499+91.49 EL 274.86
BVC 502+20.74 EL 273.60
EVC 504+14.74 EL 274.37
BVC 504+79.15 EL 275.24
EVC 506+04.15 EL 279.84
VPI 506+83.95 EL 284.63
CENTERLINE PROFILE GRADE
BVC 508+45.87 EL 276.53
BVC 510+43.11 EL 270.86
EVC 511+63.11 EL 270.50
VPI 512+68.86 EL 270.82

VPI 499+41.49 EL 275.13
VPI 503+17.74 EL 273.06
VPI 505+41.65 EL 276.09
BVC 506+23.99 EL 281.03
EVC 507+43.99 EL 281.63
VPI 509+40.87 EL 271.78
EVC 510+35.87 EL 270.93
VPI 511+03.11 EL 270.32

-0.61% | -0.55% | 1.35% | 5.00% | -5.00% | -0.90% | 0.30%

100' VC | 194' VC | 125' VC | 120' VC | 190' VC | 120' VC

EXISTING GROUND

290 / 280 / 270 / 260

499+00 | 500+00 | 501+00 | 502+00 | 503+00 | 504+00 | 505+00 | 506+00 | 507+00 | 508+00 | 509+00 | 510+00 | 511+00 | 512+00

DATUM
(NAVD) 88

MLMX2 LINE
(SB THORNE RAMP)

FILE NAME	c:\pwworking\jacobs_b&i\schradnj\dms20633\PS_PR21.dgn				REGION NO.	STATE	FED.AID PROJ.NO.	
TIME	4:00:53 PM				10	WASH		
DATE	10/1/2019				JOB NUMBER			
PLOTTED BY	SchradNJ							
DESIGNED BY	S. MEING	RFI 1 - RFI0245	10/01/19		CONTRACT NO.		LOCATION NO.	
ENTERED BY	C. CONRAD	REV 0 - RELEASED FOR CONSTRUCTION	06/05/19		C9133			
CHECKED BY	N. SCHRADER	REV B - FINAL REVIEW	04/26/19					
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	12/06/18					
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY				

NICHOLAS J. SCHRADER — STATE OF WASHINGTON — 21019 — REGISTERED PROFESSIONAL ENGINEER
10/1/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation
ATKINSON CONSTRUCTION / JACOBS

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

ROADWAY PROFILE & SUPERELEVATION

PLAN REF. NO. PR21

SHEET 242 OF 1456 SHEETS

ROADWAY SECTION SR5-NB SECTIONS

ROADWAY SECTION MRTX A

ROADWAY SECTION MRTX B

ROADWAY SECTION MRTX C

MRTX 305+00.00

MRTX 309+51.14

MRTX 311+51.83

MRTX 312+56.97

AS-BUILT

SEE GORE GRADING DETAIL FOR SLOPES LEFT OF CL ON SHEET PVD09

APPROX. +3.04% LT

+2.00% LT

+6.00% LT

CENTERLINE PROFILE GRADE AND PIVOT POINT

MRTX LINE

-2.00% RT

-6.00% RT

+2.00% RT

-2.00% LT

TX ROUNDABOUT

+2.00% LT

-2.00% RT

TX ROUNDABOUT

APPROX. -3.04% RT

MRTX 300+00.00 BEGIN TRANSITION

BEGIN SR5 GORE

MATCH SR5

MRTX 300+30.00 END TRANSITION

MRTX 304+06.28 BEGIN TRANSITION

MRTX 304+94.24 END SR5 GORE

MRTX 305+26.28 END TRANSITION

MRTX 307+71.45 BEGIN TRANSITION

MRTX 309+66.45 END TRANSITION

MRTX 310+22.65 BEGIN TRANSITION

MRTX 311+02.65 END TRANSITION

BEGIN TX INTERSECTION

MRTX 313+17.76 END TX INTERSECTION

ATKINSON

JUN 06 2019

RELEASED FOR CONSTRUCTION

290

280

270

260

VPI 300+00.00 EL 279.46

VPI 300+88.21 EL 279.68

BVC 300+28.21 EL 279.53

EVC 301+48.21 EL 279.53

BVC 306+10.00 EL 278.37

VPI 307+10.00 EL 278.12

EVC 308+10.00 EL 280.12

BVC 308+70.00 EL 281.32

VPI 309+70.00 EL 283.32

EVC 310+70.00 EL 278.82

BVC 311+00.39 EL 277.46

VPI 311+75.39 EL 274.08

EVC 312+50.39 EL 275.51

VPI 313+17.76 EL 276.80

CENTERLINE PROFILE GRADE

EXISTING GROUND

0.25%

-0.25%

2.00%

-4.50%

1.91%

120' VC

200' VC

200' VC

150' VC

300+00 301+00 302+00 303+00 304+00 305+00 306+00 307+00 308+00 309+00 310+00 311+00 312+00 313+00

DATUM

(NAVD) 88

MRTX LINE
(THORNE NB OFF-RAMP)

FILE NAME	c:\pwworking\jacobs_b&l\schradnj\dms20633\PS_PR22.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	2:07:00 PM				10	WASH	
DATE	6/3/2019				JOB NUMBER		
PLOTTED BY	SchradNJ						
DESIGNED BY	S. MEING				CONTRACT NO.		LOCATION NO.
ENTERED BY	C. CONRAD	REV 0 - RELEASED FOR CONSTRUCTION	06/05/19		C9133		
CHECKED BY	N. SCHRADER	REV B - FINAL REVIEW	04/26/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	12/06/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

NICHOLAS SCHRADER — STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER — 47019 — 6/6/19

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

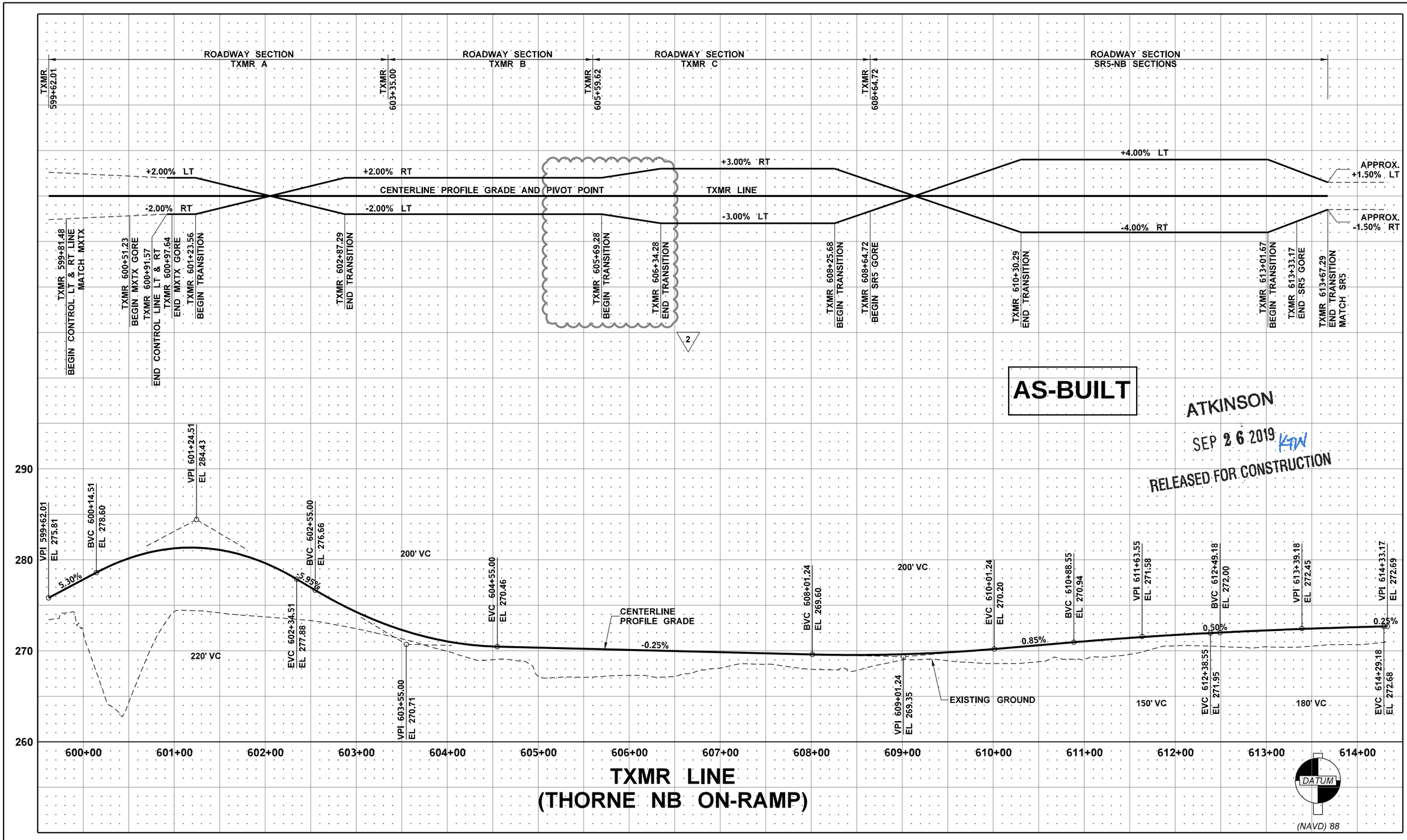
ATKINSON CONSTRUCTION / JACOBS

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

ROADWAY PROFILE & SUPERELEVATION

PLAN REF. NO. PR22

SHEET 243 OF 1456 SHEETS



TXMR LINE
(THORNE NB ON-RAMP)

FILE NAME	c:\pwworking\jacobs_b&l\schradnj\dms20633\PS_PR23.dgn						
TIME	8:44:22 AM				REGION NO.	STATE	FED.AID PROJ.NO.
DATE	9/20/2019				10	WASH	
PLOTTED BY	SchradNJ	REV 2 - RFI0228	09/23/19		JOB NUMBER		
DESIGNED BY	S. MEING	REV 1 - RFI0176	08/16/19				
ENTERED BY	C. CONRAD	REV 0 - RELEASED FOR CONSTRUCTION	06/05/19		CONTRACT NO.		LOCATION NO.
CHECKED BY	N. SCHRADER	REV B - FINAL REVIEW	04/26/19		C9133		
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	12/06/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

NICHOLAS J. SCHRADER — STATE OF WASHINGTON — 21019 — REGISTERED PROFESSIONAL ENGINEER
9/25/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

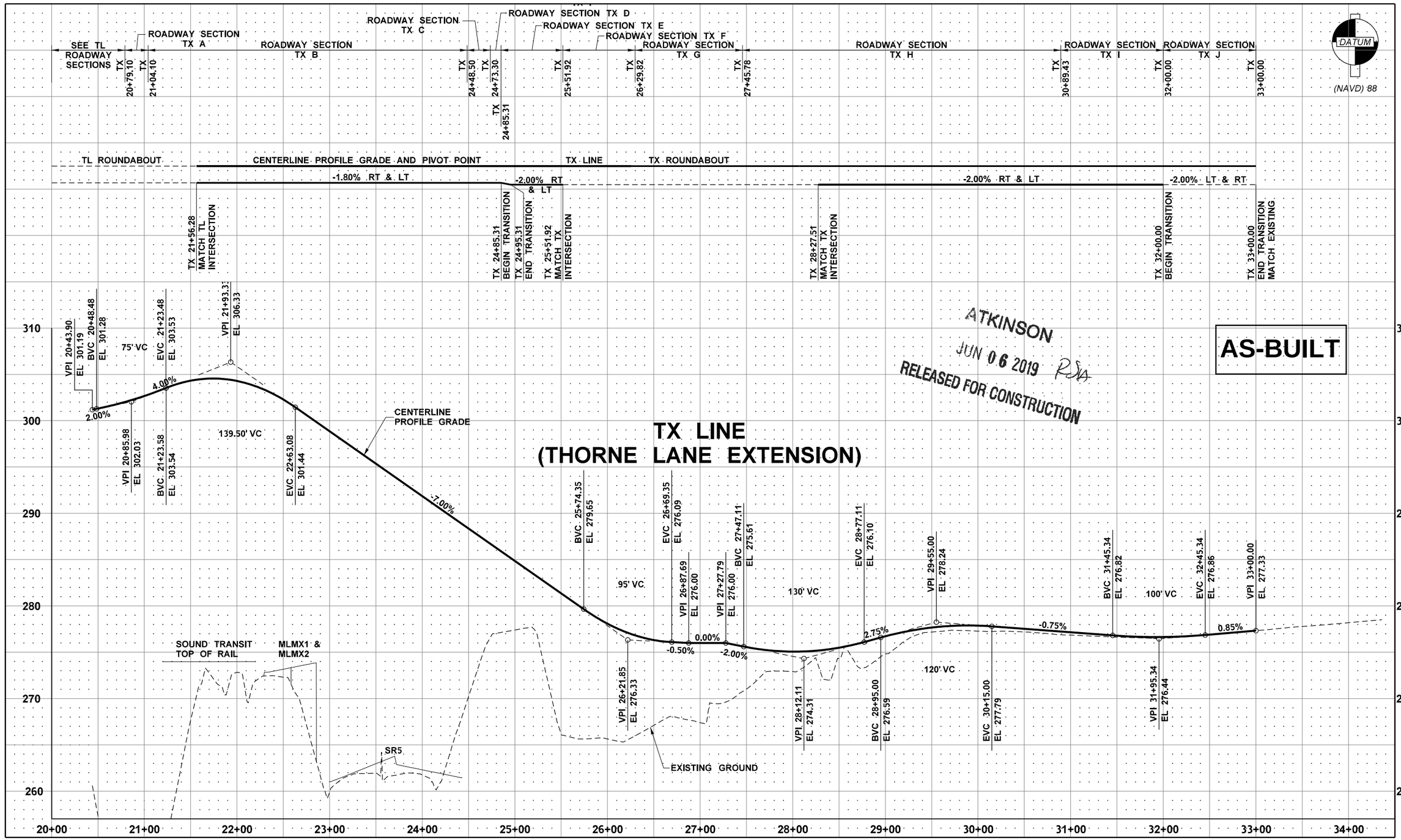
Washington State Department of Transportation
ATKINSON CONSTRUCTION / JACOBS

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

ROADWAY PROFILE & SUPERELEVATION

PLAN REF. NO. PR23

SHEET 244 OF 1456 SHEETS



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TIME	3:52:56 PM				JOB NUMBER		
DATE	6/3/2019				CONTRACT NO. C9133		LOCATION NO.
PLOTTED BY	SchradNJ						
DESIGNED BY	S. MEING						
ENTERED BY	C. CONRAD	REV 0 - RELEASED FOR CONSTRUCTION	06/05/19				
CHECKED BY	N. SCHRADER	REV B - FINAL REVIEW	04/26/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	12/06/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

NICHOLAS J. SCHRADER — STATE OF WASHINGTON — 47019 — REGISTERED PROFESSIONAL ENGINEER
6/6/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

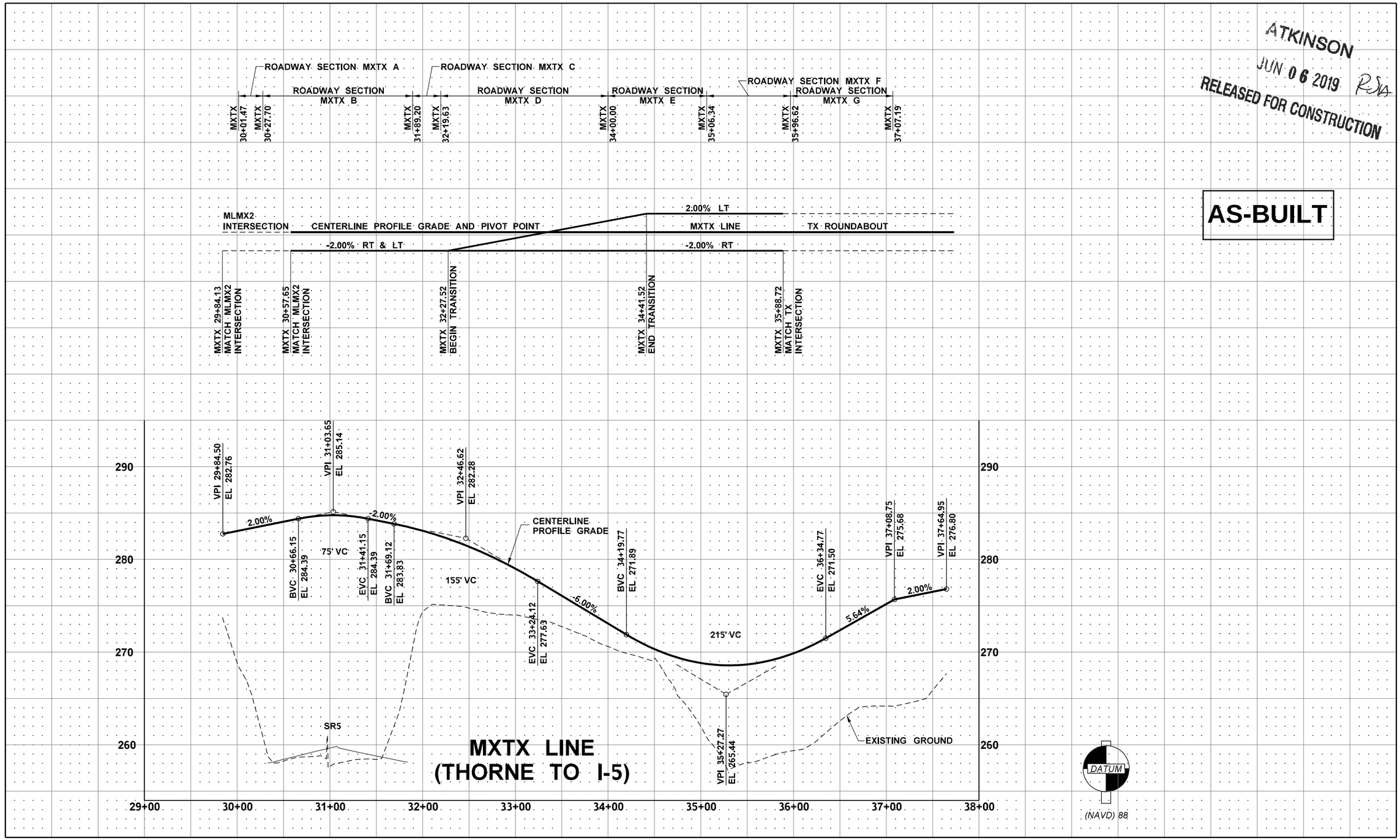
ROADWAY PROFILE & SUPERELEVATION

PLAN REF. NO. PR24

SHEET 245 OF 1456 SHEETS

ATKINSON
JUN 06 2019 RSA
RELEASED FOR CONSTRUCTION

AS-BUILT



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DATE	6/3/2019						
PLOTTED BY	SchradNJ				JOB NUMBER		
DESIGNED BY	S. MEING						
ENTERED BY	C. CONRAD	REV 0 - RELEASED FOR CONSTRUCTION	06/05/19		CONTRACT NO. C9133		LOCATION NO.
CHECKED BY	N. SCHRADER	REV B - FINAL REVIEW	04/26/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	12/06/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

NICHOLAS J. SCHRADER — STATE OF WASHINGTON — 47019 — REGISTERED PROFESSIONAL ENGINEER
6/6/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation
ATKINSON CONSTRUCTION / JACOBS

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

ROADWAY PROFILE & SUPERELEVATION

PLAN REF. NO. PR25

SHEET 246 OF 1456 SHEETS

ATKINSON
JUN 06 2019 RSA
RELEASED FOR CONSTRUCTION

AS-BUILT

ROADWAY SECTION TL A
ROADWAY SECTION TL B
ROADWAY SECTION TL C
ROADWAY SECTION TL D
ROADWAY SECTION TL E
ROADWAY SECTION TL F
ROADWAY SECTION TL G
ROADWAY SECTION TL H

TL 10+40.00 | TL 10+60.00 | TL 11+08.12 | TL 11+41.46 | TL 13+54.19 | TL 14+17.19 | TL 14+89.29 | TL 15+29.81

SPRUCE AVE INTERSECTION
CENTERLINE PROFILE GRADE AND PIVOT POINT
TL LINE
-2.00% RT. & LT.
TL ROUNDABOUT
+2.00% RT.
-2.00% LT
MATCH LINE TL 19+00.00 SEE SHEET PR27.

TL 10+40.00 BEGIN TRANSITION MATCH EXISTING
TL 11+00.00 END TRANSITION
TL 13+54.19 MATCH TL INTERSECTION
TL 15+29.81 MATCH TL INTERSECTION
TL 16+36.91 BEGIN TRANSITION
TL 17+08.00 FUTURE GRAVELLY LAKE CONNECTOR
TL 17+35.66 END TRANSITION
TL 18+05.51 FUTURE GRAVELLY LAKE CONNECTOR

CENTERLINE PROFILE GRADE
FINISH GRADE
EXISTING GROUND

VPI 10+14.77 EL 281.91
BVC 10+57.85 EL 281.42
EVC 11+82.85 EL 285.07
VPI 11+20.35 EL 280.70
BVC 13+72.76 EL 298.37
VPI 14+52.76 EL 303.97
EVC 15+32.76 EL 298.37
BVC 16+70.50 EL 288.73
EVC 17+45.50 EL 285.35
VPI 17+08.00 EL 286.10
BVC 17+68.01 EL 284.90
VPI 18+05.51 EL 284.15
EVC 18+43.01 EL 281.53

-1.12% | -1.15% | 7.00% | 160' VC | -7.00% | 75' VC | -2.00% | 75' VC | -7.00%

TL LINE
(THORNE LANE)

300 | 290 | 280 | 270 | 260
10+00 | 11+00 | 12+00 | 13+00 | 14+00 | 15+00 | 16+00 | 17+00 | 18+00 | 19+00

DATUM
(NAVD). 88

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TIME	4:31:35 PM				10	WASH		
DATE	6/3/2019				JOB NUMBER			
PLOTTED BY	SchradNJ							
DESIGNED BY	S. MEING							
ENTERED BY	C. CONRAD	REV 0 - RELEASED FOR CONSTRUCTION	06/05/19		CONTRACT NO.		LOCATION NO.	
CHECKED BY	N. SCHRADER	REV B - FINAL REVIEW	04/26/19		C9133			
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	12/06/18					
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY				

NICHOLAS J. SCHRADER — STATE OF WASHINGTON — 47019 — REGISTERED PROFESSIONAL ENGINEER
6/6/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

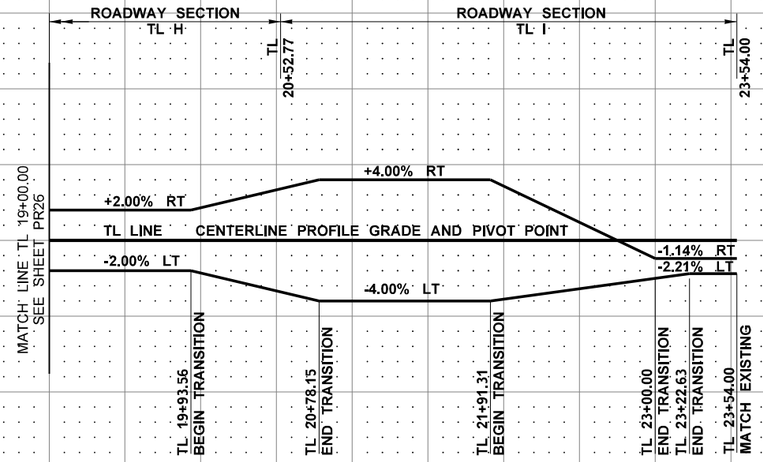
ROADWAY PROFILE & SUPERELEVATION

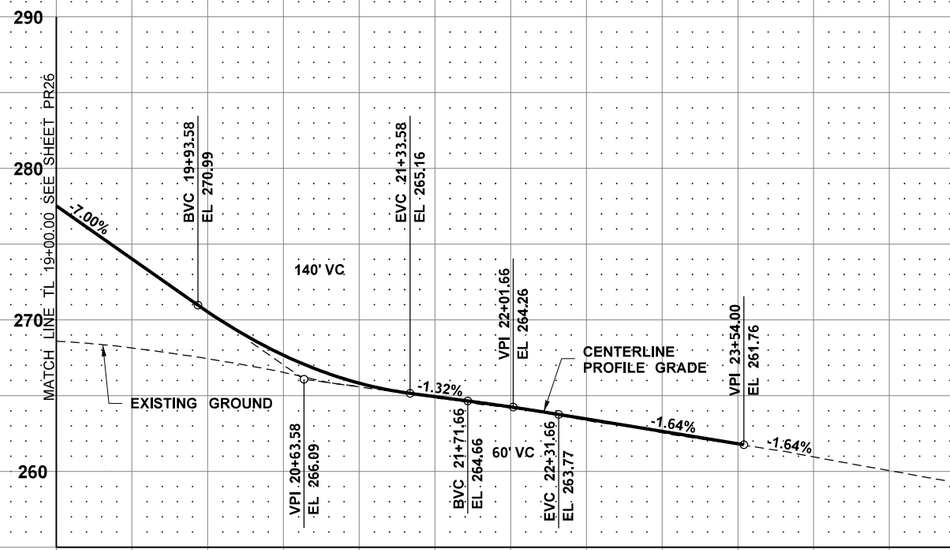
PLAN REF. NO. PR26

SHEET 247 OF 1456 SHEETS

ATKINSON
JUN 06 2019 RSA
RELEASED FOR CONSTRUCTION

AS-BUILT





TL LINE
(THORNE LANE)

DATUM
(NAVD) 88

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TIME	4:35:13 PM				10	WASH	
DATE	6/3/2019				JOB NUMBER		
PLOTTED BY	SchradNJ						
DESIGNED BY	S. MEING				CONTRACT NO.		LOCATION NO.
ENTERED BY	C. CONRAD	REV 0 - RELEASED FOR CONSTRUCTION	06/05/19		C9133		
CHECKED BY	N. SCHRADER	REV B - FINAL REVIEW	04/26/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	12/06/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

NICHOLAS E. SCHRADER — STATE OF WASHINGTON — 47019 — REGISTERED PROFESSIONAL ENGINEER
6/6/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

ROADWAY PROFILE & SUPERELEVATION

PLAN REF. NO. PR27

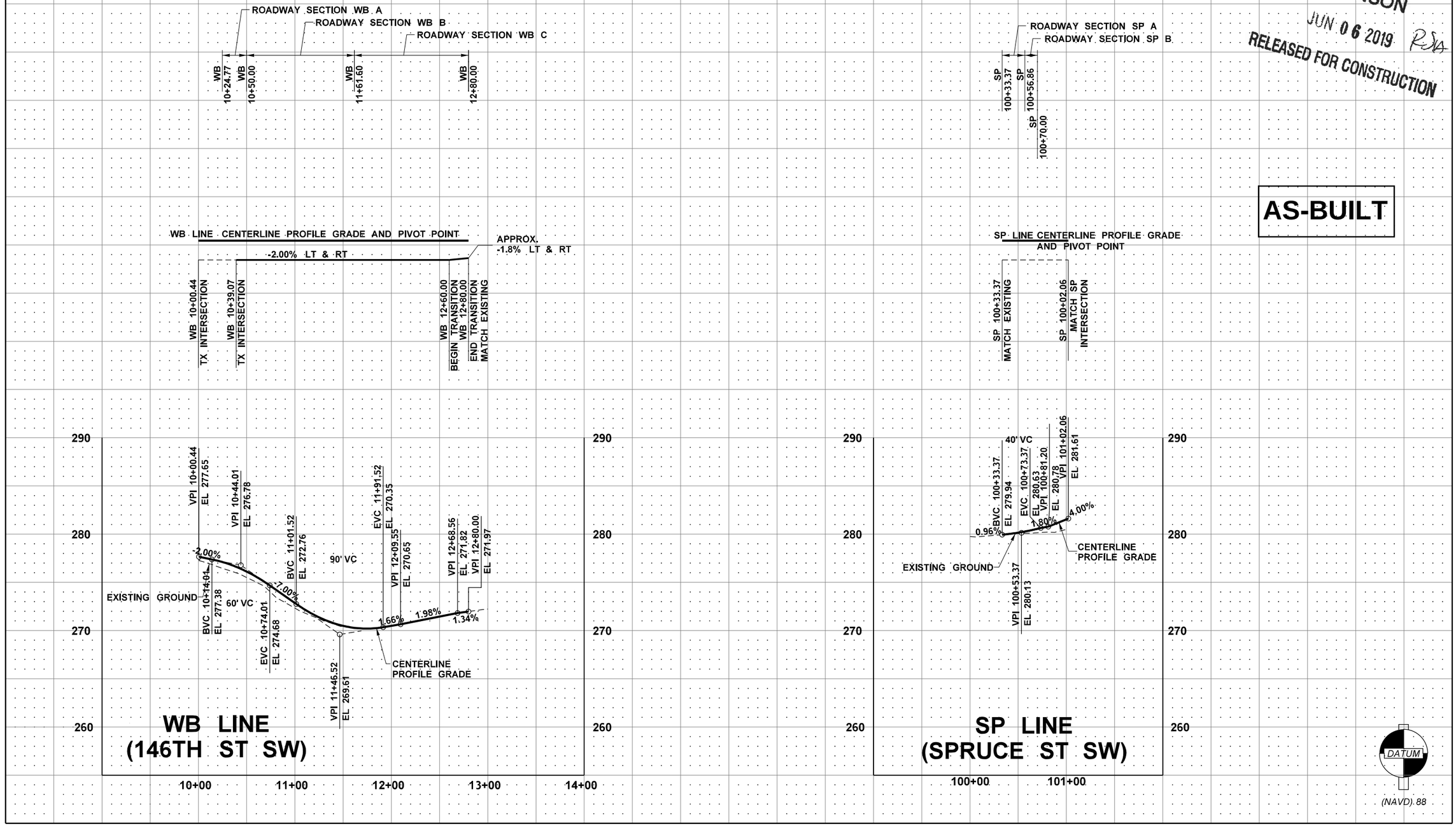
SHEET 248 OF 1456 SHEETS

ATKINSON

JUN 06 2019 RJA

RELEASED FOR CONSTRUCTION

AS-BUILT



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DATE	6/5/2019						
PLOTTED BY	meingsa				CONTRACT NO. C9133		LOCATION NO.
DESIGNED BY	S. MEING						
ENTERED BY	C. CONRAD	REV 0 - RELEASED FOR CONSTRUCTION	06/05/19				
CHECKED BY	N. SCHRADER	REV B - FINAL REVIEW	04/26/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	12/06/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

NICHOLAS J. SCHRADER STATE OF WASHINGTON 47019 REGISTERED PROFESSIONAL ENGINEER 6/6/19

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

ROADWAY PROFILE & SUPERELEVATION

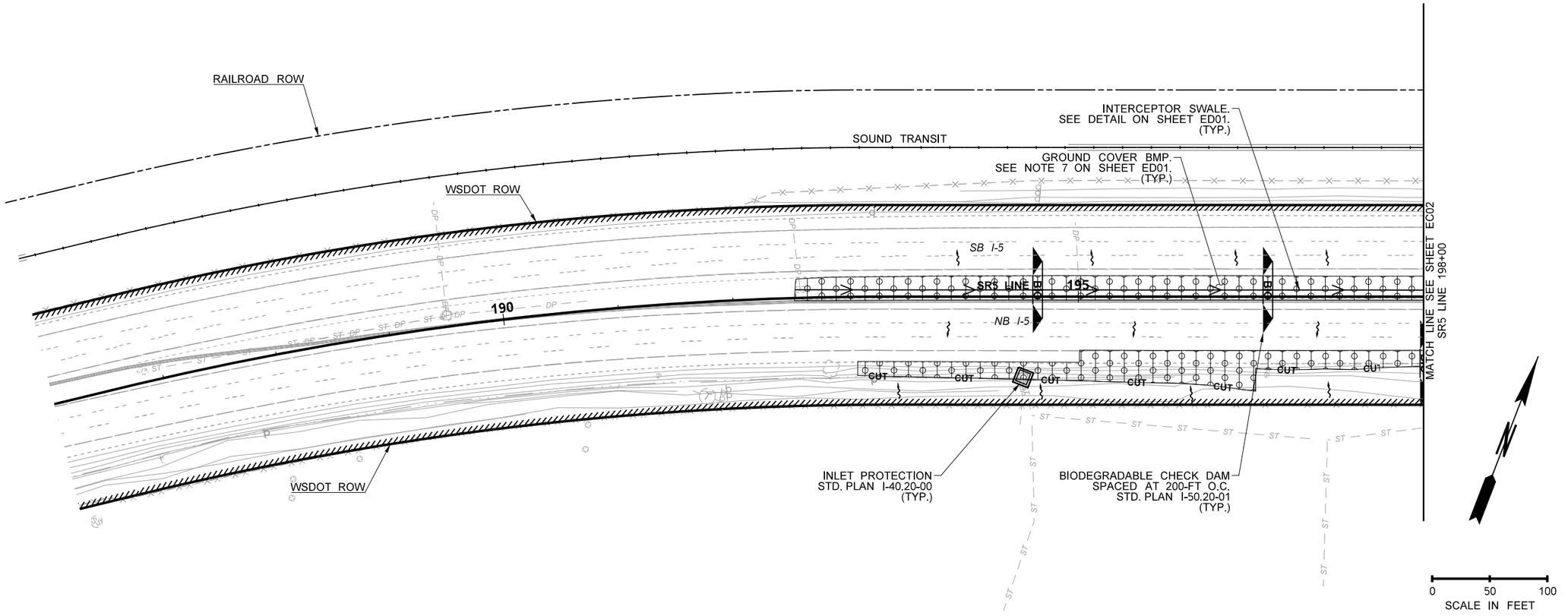
PLAN REF. NO. PR28

SHEET 249 OF 1456 SHEETS

AS-BUILT

NOTES:

1. SEE SHEET ED01 FOR TESC GENERAL NOTES AND CONSTRUCTION SEQUENCE.



LEGEND

- RIGHT-OF-WAY LINE
- CUT — CUT LINE
- FILL — FILL LINE
- CG — CG — CLEAR AND GRUB LINE
- SF — SF — SILT FENCE
- HVS — HVS — HIGH VISIBILITY SILT FENCE
- HVF — HVF — HIGH VISIBILITY FENCE
- ST — ST — TEMPORARY STORM PIPE
- INTERCEPTOR SWALE
- INLET PROTECTION
- NON-PERMEABLE INLET COVER
- STABILIZED CONSTRUCTION ENTRANCE
- SANDBAG DAM
- BIO — BIODEGRADABLE CHECK DAM
- COMPOST SOCK
- BAKER TANK AND PUMP
- MONITORING LOCATION
- GROUND COVER BMP
- COMPOST BERM
- DIRECTION OF OVERLAND FLOW
- —F— FORCE MAIN

ATKINSON
SEP 12 2018
RELEASED FOR CONSTRUCTION

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TIME	9:54:33 AM						
DATE	9/7/2018				JOB NUMBER		
PLOTTED BY	JZigweid						
DESIGNED BY	J.ZIGWEID						
ENTERED BY	A.MAILLOUX	REV 0 - RFC	09/10/18		CONTRACT NO. C9133		LOCATION NO.
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	08/30/18				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	08/02/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
09/10/18
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON CONSTRUCTION / JACOBS

I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

EROSION CONTROL PLAN

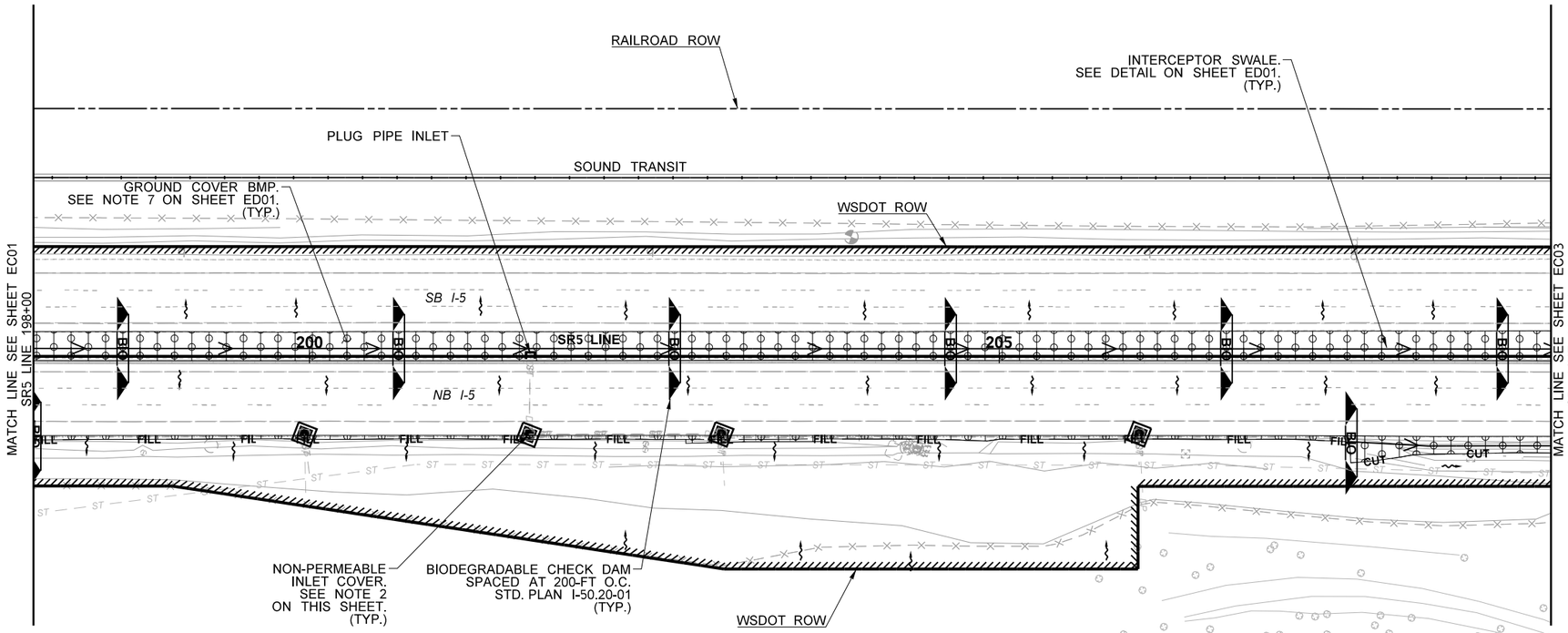
PLAN REF NO
EC01

SHEET 250 OF 1456 SHEETS

AS-BUILT

NOTES:

1. SEE SHEET ED01 FOR TESC GENERAL NOTES AND CONSTRUCTION SEQUENCE.
2. OUTLET PIPES MAY BE PLUGGED IN LIEU OF A NON-PERMEABLE COVER PROVIDED THAT THE STRUCTURE IS NOT DOWNSTREAM OF ANY ACTIVE STORMWATER INLETS.



0 50 100
SCALE IN FEET

LEGEND

- RIGHT-OF-WAY LINE
- CUT - CUT LINE
- FILL - FILL LINE
- CG CG - CLEAR AND GRUB LINE
- SF SF - SILT FENCE
- HVS HVS - HIGH VISIBILITY SILT FENCE
- HVF HVF - HIGH VISIBILITY FENCE
- ST ST - TEMPORARY STORM PIPE
- INTERCEPTOR SWALE
- INLET PROTECTION
- NON-PERMEABLE INLET COVER
- STABILIZED CONSTRUCTION ENTRANCE
- SANDBAG DAM
- BIO - BIODEGRADABLE CHECK DAM
- COMPOST SOCK
- BAKER TANK AND PUMP
- MONITORING LOCATION
- GROUND COVER BMP
- COMPOST BERM
- DIRECTION OF OVERLAND FLOW
- F - FORCE MAIN

ATKINSON
SEP 12 2018
RELEASED FOR CONSTRUCTION

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TIME	1:54:49 PM				10	WASH	
DATE	9/7/2018				JOB NUMBER		
PLOTTED BY	JZigweid						
DESIGNED BY	J. ZIGWEID						
ENTERED BY	A. MAILLOUX	REV 0 - RFC	09/10/18		CONTRACT NO.	LOCATION NO.	
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	08/30/18		C9133		
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	08/02/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFERY D. ZIGWEID — STATE OF WASHINGTON — 21112 — REGISTERED PROFESSIONAL ENGINEER
09/10/18
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON CONSTRUCTION / JACOBS

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

EROSION CONTROL PLAN

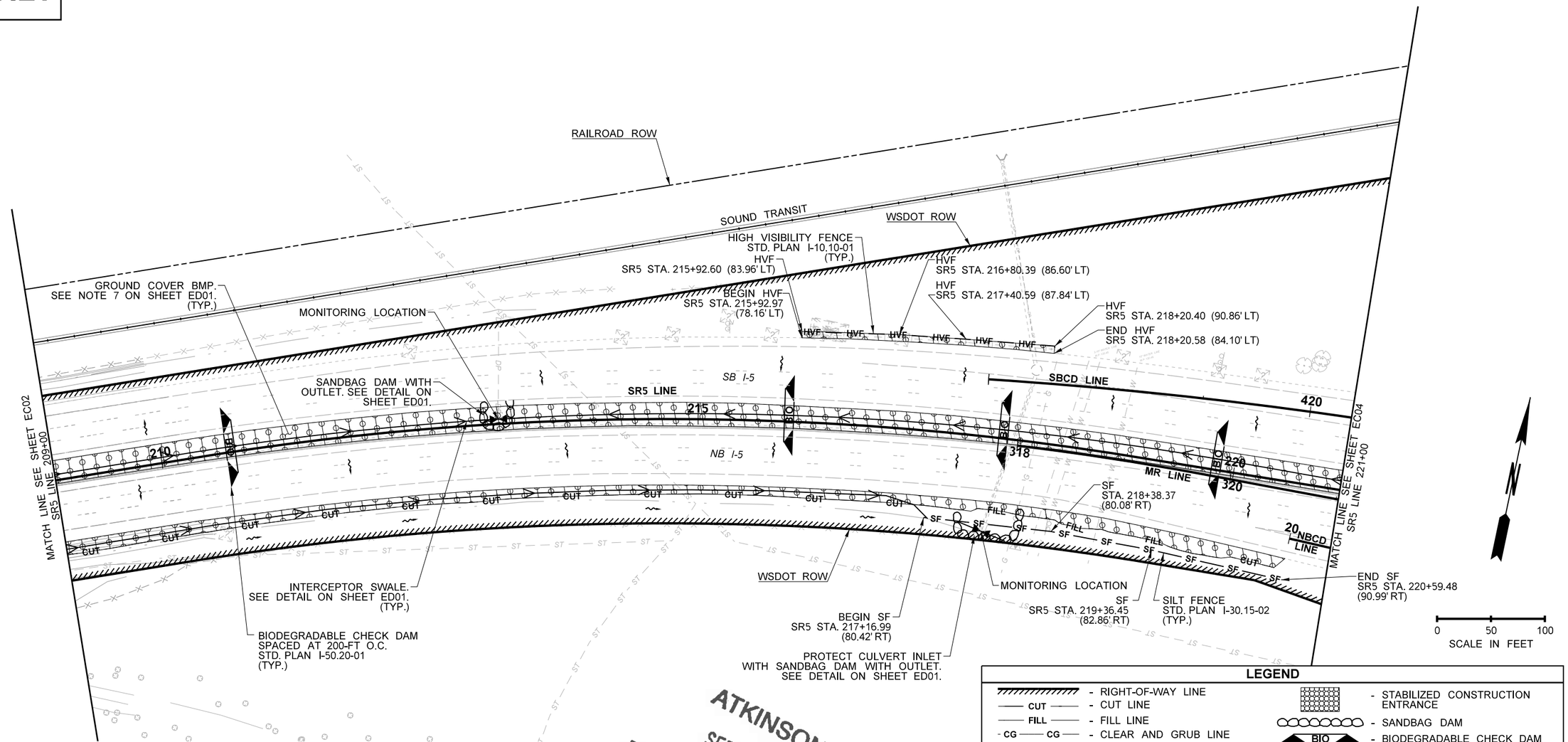
PLAN REF NO
EC02

SHEET
251
OF
1456
SHEETS

AS-BUILT

NOTES:

1. SEE SHEET ED01 FOR TESC GENERAL NOTES AND CONSTRUCTION SEQUENCE.



ATKINSON
SEP 12 2018
RELEASED FOR CONSTRUCTION

LEGEND

- RIGHT-OF-WAY LINE
- CUT LINE
- FILL LINE
- CLEAR AND GRUB LINE
- SILT FENCE
- HIGH VISIBILITY SILT FENCE
- HIGH VISIBILITY FENCE
- TEMPORARY STORM PIPE
- INTERCEPTOR SWALE
- INLET PROTECTION
- NON-PERMEABLE INLET COVER
- STABILIZED CONSTRUCTION ENTRANCE
- SANDBAG DAM
- BIODEGRADABLE CHECK DAM
- COMPOST SOCK
- BAKER TANK AND PUMP
- MONITORING LOCATION
- GROUND COVER BMP
- COMPOST BERM
- DIRECTION OF OVERLAND FLOW
- FORCE MAIN

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TIME	2:12:52 PM				10	WASH	
DATE	9/7/2018				JOB NUMBER		
PLOTTED BY	JZigweid						
DESIGNED BY	J. ZIGWEID						
ENTERED BY	A. MAILLOUX	REV 0 - RFC	09/10/18		CONTRACT NO.		LOCATION NO.
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	08/30/18		C9133		
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	08/02/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 31141 — REGISTERED PROFESSIONAL ENGINEER
09/10/18
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON CONSTRUCTION / JACOBS

I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

EROSION CONTROL PLAN

PLAN REF NO
EC03

SHEET 252 OF 1456 SHEETS

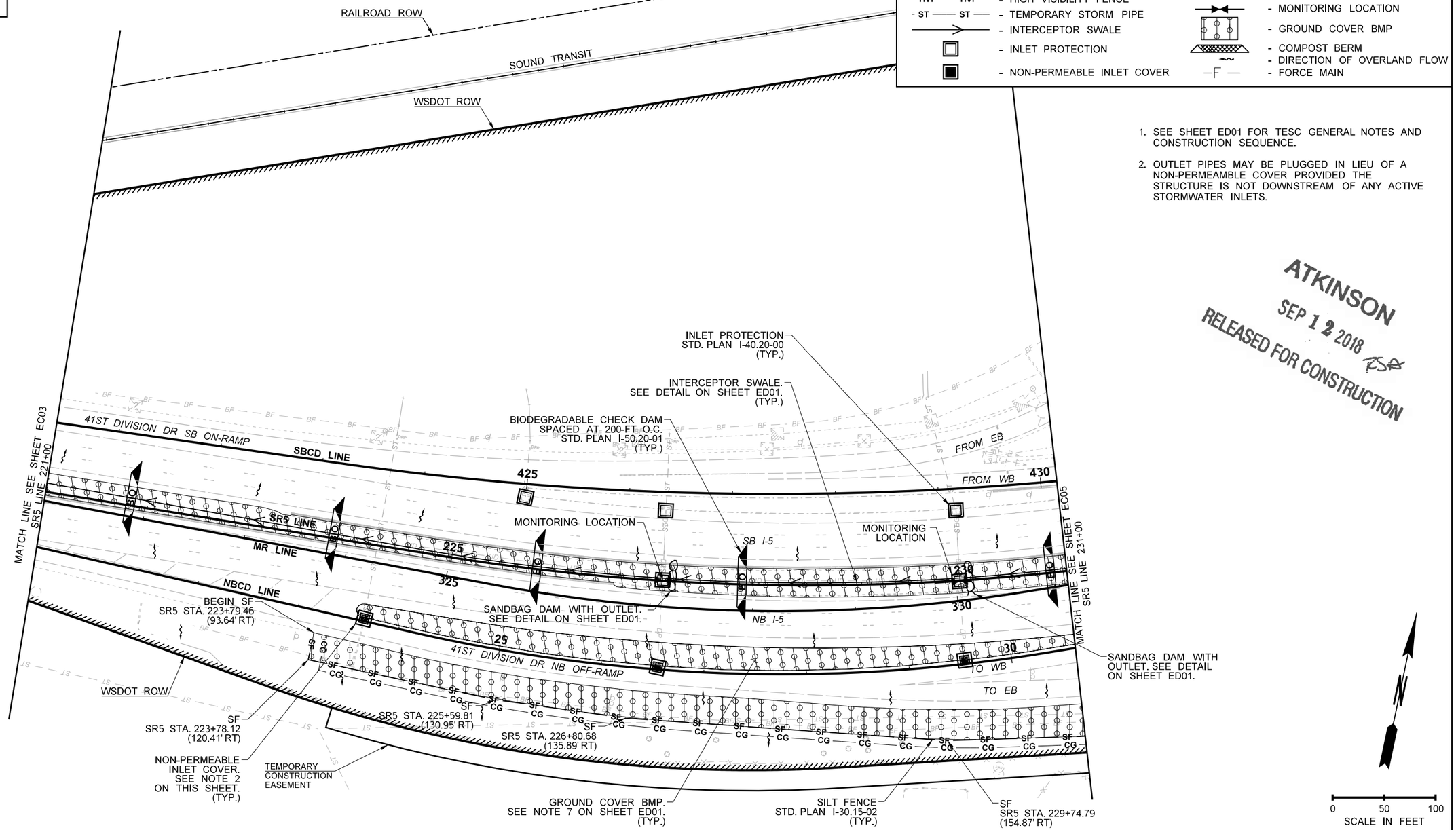
AS-BUILT

LEGEND

- RIGHT-OF-WAY LINE
- CUT — CUT LINE
- FILL — FILL LINE
- CG — CG — CLEAR AND GRUB LINE
- SF — SF — SILT FENCE
- HVS — HVS — HIGH VISIBILITY SILT FENCE
- HVF — HVF — HIGH VISIBILITY FENCE
- ST — ST — TEMPORARY STORM PIPE
- INTERCEPTOR SWALE
- INLET PROTECTION
- NON-PERMEABLE INLET COVER
- STABILIZED CONSTRUCTION ENTRANCE
- SANDBAG DAM
- BIO — BIODEGRADABLE CHECK DAM
- COMPOST SOCK
- BAKER TANK AND PUMP
- MONITORING LOCATION
- GROUND COVER BMP
- COMPOST BERM
- DIRECTION OF OVERLAND FLOW
- —F— FORCE MAIN

1. SEE SHEET ED01 FOR TESC GENERAL NOTES AND CONSTRUCTION SEQUENCE.
2. OUTLET PIPES MAY BE PLUGGED IN LIEU OF A NON-PERMEAMBLE COVER PROVIDED THE STRUCTURE IS NOT DOWNSTREAM OF ANY ACTIVE STORMWATER INLETS.

ATKINSON
SEP 12 2018
RELEASED FOR CONSTRUCTION



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DESIGNED BY	J. ZIGWEID				JOB NUMBER		
ENTERED BY	A. MAILLOUX	REV 0 - RFC	09/10/18				
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	08/30/18		CONTRACT NO. C9133		LOCATION NO.
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	08/02/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 51145 — REGISTERED PROFESSIONAL ENGINEER
09/10/18
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON CONSTRUCTION / JACOBS

I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

EROSION CONTROL PLAN

PLAN REF NO **EC04**

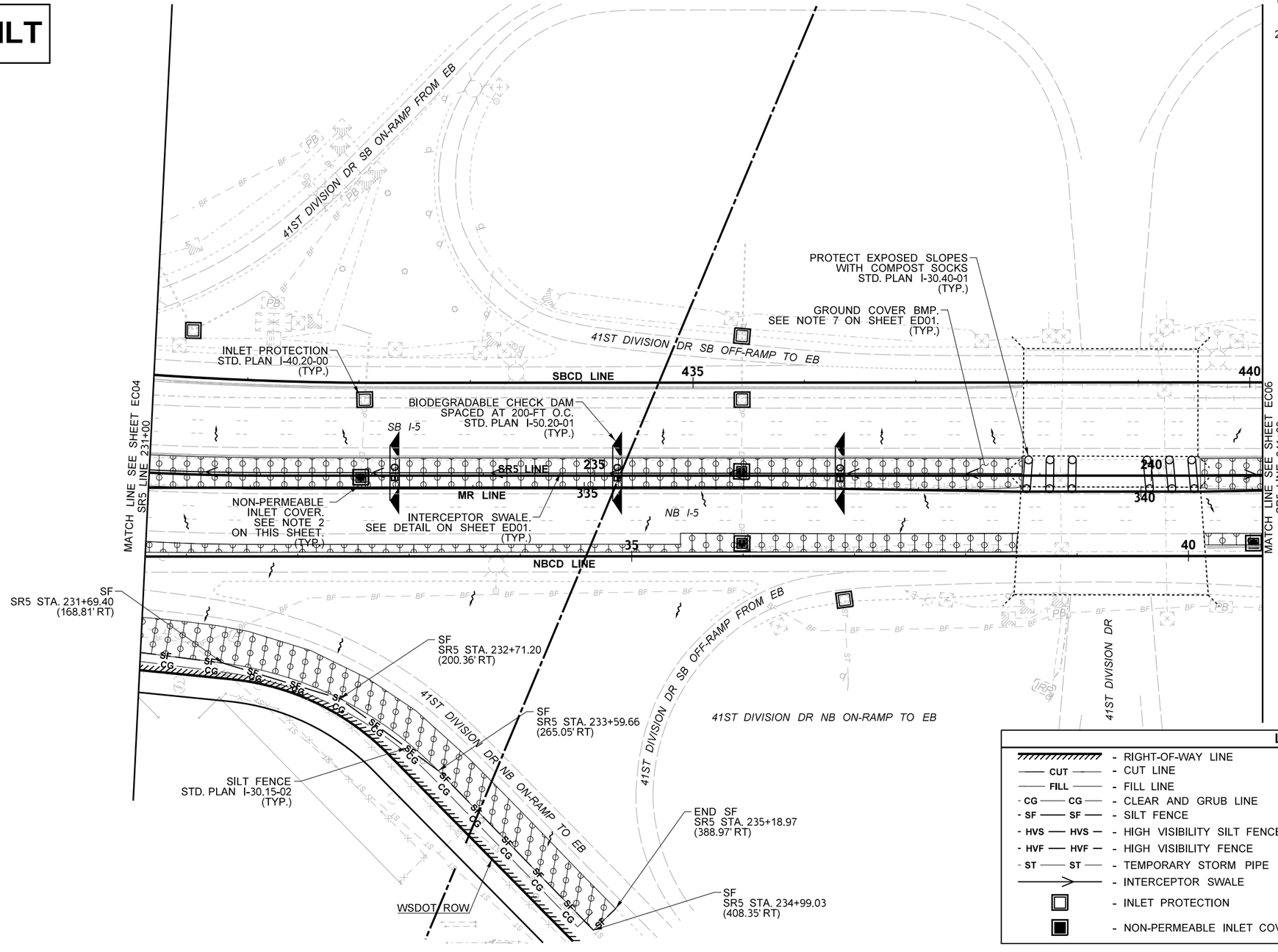
SHEET 253 OF 1456 SHEETS

AS-BUILT

NOTES:

1. SEE SHEET ED01 FOR TESC GENERAL NOTES AND CONSTRUCTION SEQUENCE.
2. OUTLET PIPES MAY BE PLUGGED IN LIEU OF A NON-PERMEABLE COVER PROVIDED THE STRUCTURE IS NOT DOWNSTREAM OF ANY ACTIVE STORMWATER INLETS.

ATKINSON
SEP 12 2018
RELEASED FOR CONSTRUCTION



LEGEND

	- RIGHT-OF-WAY LINE		- STABILIZED CONSTRUCTION ENTRANCE
CUT	- CUT LINE		- SANDBAG DAM
FILL	- FILL LINE	BIO	- BIODEGRADABLE CHECK DAM
CG CG	- CLEAR AND GRUB LINE		- COMPOST SOCK
SF SF	- SILT FENCE		- BAKER TANK AND PUMP
HVS HVS	- HIGH VISIBILITY SILT FENCE		- MONITORING LOCATION
HVF HVF	- HIGH VISIBILITY FENCE		- GROUND COVER BMP
ST ST	- TEMPORARY STORM PIPE		- COMPOST BERM
	- INTERCEPTOR SWALE		- DIRECTION OF OVERLAND FLOW
	- INLET PROTECTION	F	- FORCE MAIN
	- NON-PERMEABLE INLET COVER		

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DESIGNED BY	J. ZIGWEID
ENTERED BY	A. MAILLOUX
CHECKED BY	J. ZIGWEID
PROJ. ENGR.	C. MEADE
REGIONAL ADM.	J. WYNANDS

REVISION	DATE	BY
REV 0 - RFC	09/10/18	
REV B - FINAL REVIEW	08/30/18	
REV A - PRELIMINARY REVIEW	08/02/18	

REGION NO. 10 | STATE WASH
JOB NUMBER
CONTRACT NO. C9133
FED.AID PROJ.NO.
LOCATION NO.

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 21141 — REGISTERED PROFESSIONAL ENGINEER
09/10/18
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON CONSTRUCTION / JACOBS

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

EROSION CONTROL PLAN

PLAN REF NO EC05

SHEET 254 OF 1456 SHEETS

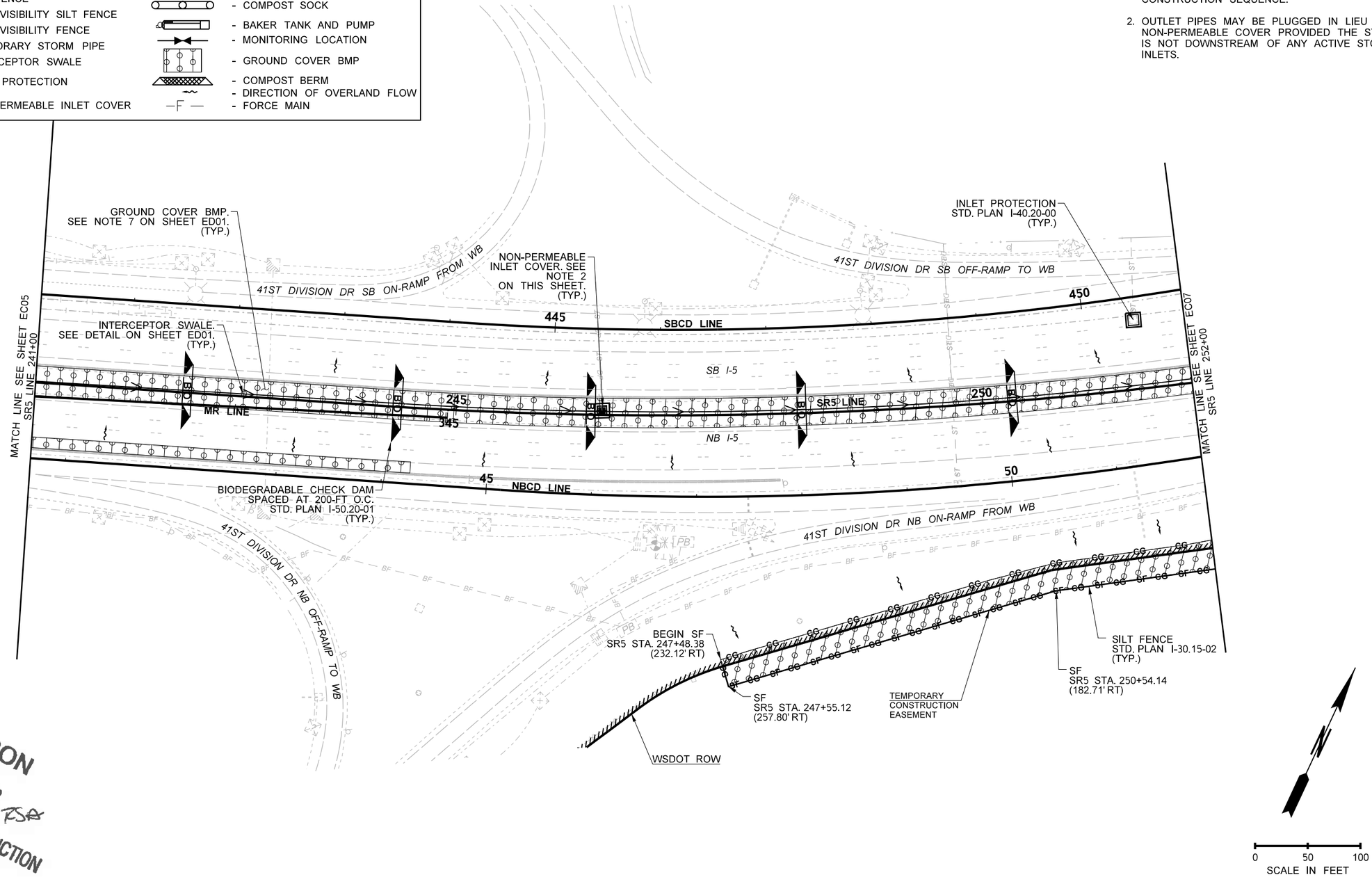
LEGEND

- RIGHT-OF-WAY LINE
- CUT — CUT LINE
- FILL — FILL LINE
- CG — CG — CLEAR AND GRUB LINE
- SF — SF — SILT FENCE
- HVS — HVS — HIGH VISIBILITY SILT FENCE
- HVF — HVF — HIGH VISIBILITY FENCE
- ST — ST — TEMPORARY STORM PIPE
- INTERCEPTOR SWALE
- INLET PROTECTION
- NON-PERMEABLE INLET COVER
- STABILIZED CONSTRUCTION ENTRANCE
- SANDBAG DAM
- BIO — BIODEGRADABLE CHECK DAM
- COMPOST SOCK
- BAKER TANK AND PUMP
- MONITORING LOCATION
- GROUND COVER BMP
- COMPOST BERM
- DIRECTION OF OVERLAND FLOW
- —F— FORCE MAIN

NOTES:

1. SEE SHEET ED01 FOR TESC GENERAL NOTES AND CONSTRUCTION SEQUENCE.
2. OUTLET PIPES MAY BE PLUGGED IN LIEU OF A NON-PERMEABLE COVER PROVIDED THE STRUCTURE IS NOT DOWNSTREAM OF ANY ACTIVE STORMWATER INLETS.

AS-BUILT



ATKINSON
SEP 12 2018
RELEASED FOR CONSTRUCTION

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TIME	11:05:00 AM				JOB NUMBER		
DATE	9/7/2018						
PLOTTED BY	GRimando						
DESIGNED BY	J. ZIGWEID						
ENTERED BY	A. MAILLOUX	REV 0 - RFC	09/10/18				
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	08/30/18		CONTRACT NO. C9133		LOCATION NO.
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	08/02/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFERY D. ZIGWEID — STATE OF WASHINGTON — 51142 — REGISTERED PROFESSIONAL ENGINEER
09/10/18
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON CONSTRUCTION / JACOBS

I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

EROSION CONTROL PLAN

PLAN REF NO **EC06**

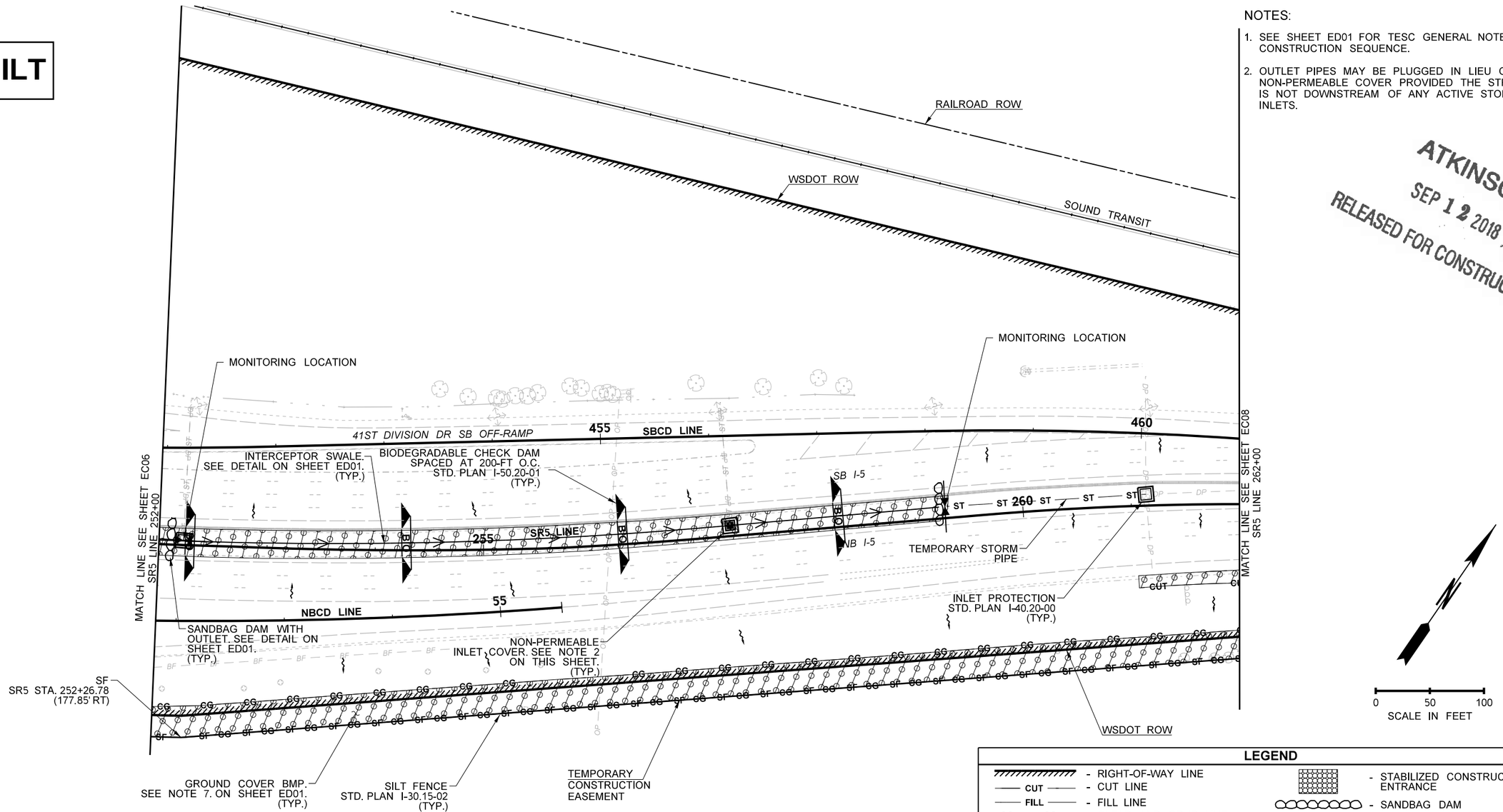
SHEET 255 OF 1456 SHEETS

AS-BUILT

NOTES:

1. SEE SHEET ED01 FOR TESC GENERAL NOTES AND CONSTRUCTION SEQUENCE.
2. OUTLET PIPES MAY BE PLUGGED IN LIEU OF A NON-PERMEABLE COVER PROVIDED THE STRUCTURE IS NOT DOWNSTREAM OF ANY ACTIVE STORMWATER INLETS.

ATKINSON
SEP 12 2018
RELEASED FOR CONSTRUCTION



LEGEND

- RIGHT-OF-WAY LINE
- CUT LINE
- FILL LINE
- CLEAR AND GRUB LINE
- SILT FENCE
- HIGH VISIBILITY SILT FENCE
- HIGH VISIBILITY FENCE
- TEMPORARY STORM PIPE
- INTERCEPTOR SWALE
- INLET PROTECTION
- NON-PERMEABLE INLET COVER
- STABILIZED CONSTRUCTION ENTRANCE
- SANDBAG DAM
- BIODEGRADABLE CHECK DAM
- COMPOST SOCK
- BAKER TANK AND PUMP
- MONITORING LOCATION
- GROUND COVER BMP
- COMPOST BERM
- DIRECTION OF OVERLAND FLOW
- FORCE MAIN

FILE NAME	c:\pwworking\jacobs_b&i\pw-rimandgr\dms20633\PS_EC07.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	11:11:52 AM				JOB NUMBER		
DATE	9/7/2018				CONTRACT NO. C9133		LOCATION NO.
PLOTTED BY	GRimando						
DESIGNED BY	J. ZIGWEID						
ENTERED BY	A. MAILLOUX	REV 0 - RFC	09/10/18				
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	08/30/18				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	08/02/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 31141 — REGISTERED PROFESSIONAL ENGINEER
09/10/18
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON CONSTRUCTION / JACOBS

I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

EROSION CONTROL PLAN

PLAN REF NO **EC07**

SHEET 256 OF 1456 SHEETS

AS-BUILT

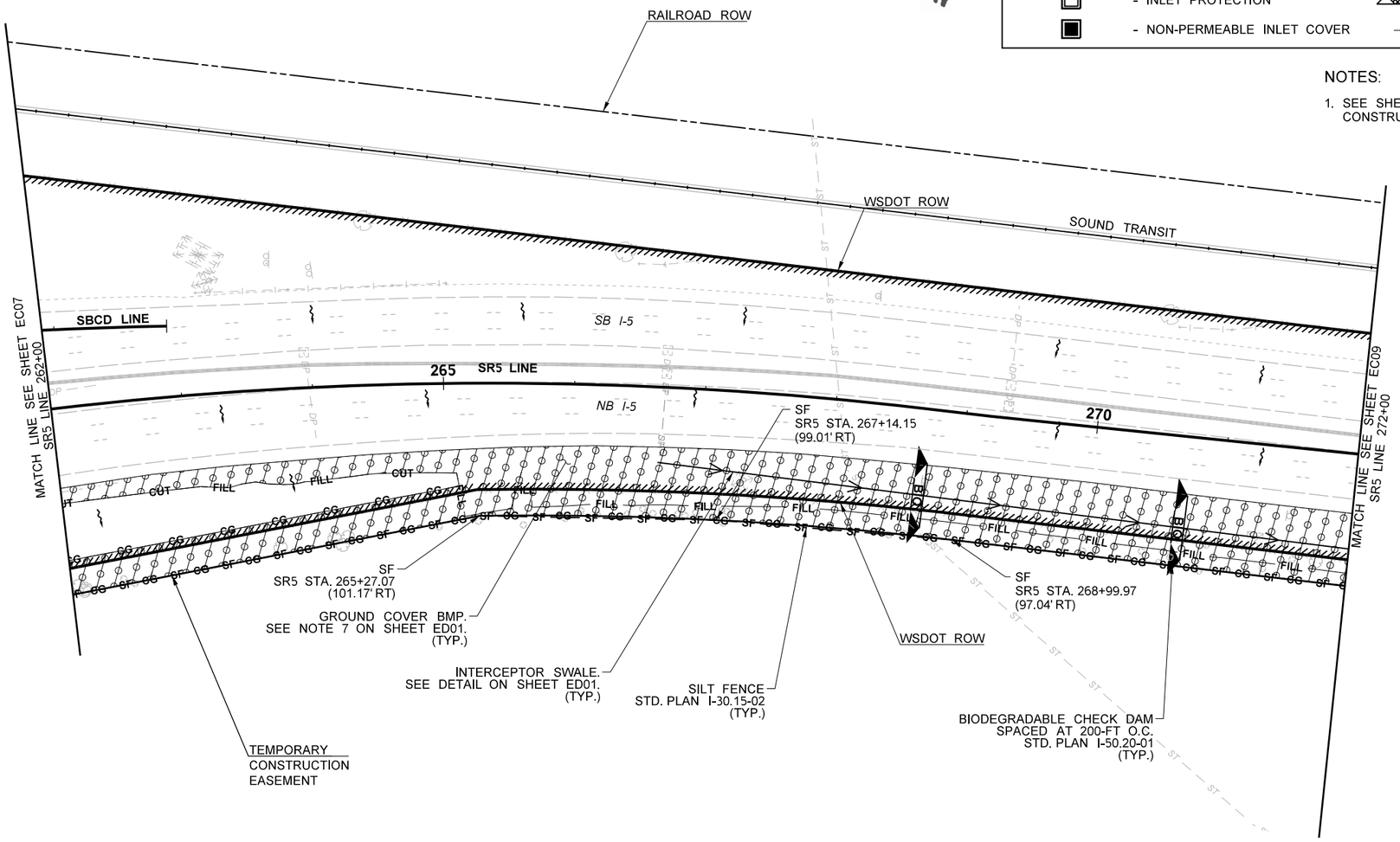
ATKINSON
SEP 12 2018
RELEASED FOR CONSTRUCTION

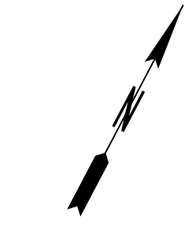
LEGEND

- RIGHT-OF-WAY LINE	- STABILIZED CONSTRUCTION ENTRANCE
CUT - CUT LINE	- SANDBAG DAM
FILL - FILL LINE	BIO - BIODEGRADABLE CHECK DAM
CG CG - CLEAR AND GRUB LINE	- COMPOST SOCK
SF SF - SILT FENCE	- BAKER TANK AND PUMP
HVS HVS - HIGH VISIBILITY SILT FENCE	- MONITORING LOCATION
HVF HVF - HIGH VISIBILITY FENCE	- GROUND COVER BMP
ST ST - TEMPORARY STORM PIPE	- COMPOST BERM
- INTERCEPTOR SWALE	- DIRECTION OF OVERLAND FLOW
- INLET PROTECTION	-F- FORCE MAIN
- NON-PERMEABLE INLET COVER	

NOTES:

1. SEE SHEET ED01 FOR TESC GENERAL NOTES AND CONSTRUCTION SEQUENCE.





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DATE	9/7/2018						
PLOTTED BY	GRimando				JOB NUMBER		
DESIGNED BY	J. ZIGWEID						
ENTERED BY	A. MAILLOUX	REV 0 - RFC	09/10/18		CONTRACT NO. C9133	LOCATION NO.	
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	08/30/18				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	08/02/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

09/10/18
DATE
P.E. STAMP BOX

DATE
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Washington State Department of Transportation

ATKINSON CONSTRUCTION / JACOBS

I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

EROSION CONTROL PLAN

PLAN REF NO
EC08

SHEET 257 OF 1456 SHEETS

AS-BUILT

NOTES:

1. SEE SHEET ED01 FOR TESC GENERAL NOTES AND CONSTRUCTION SEQUENCE.

ATKINSON
SEP 12 2018
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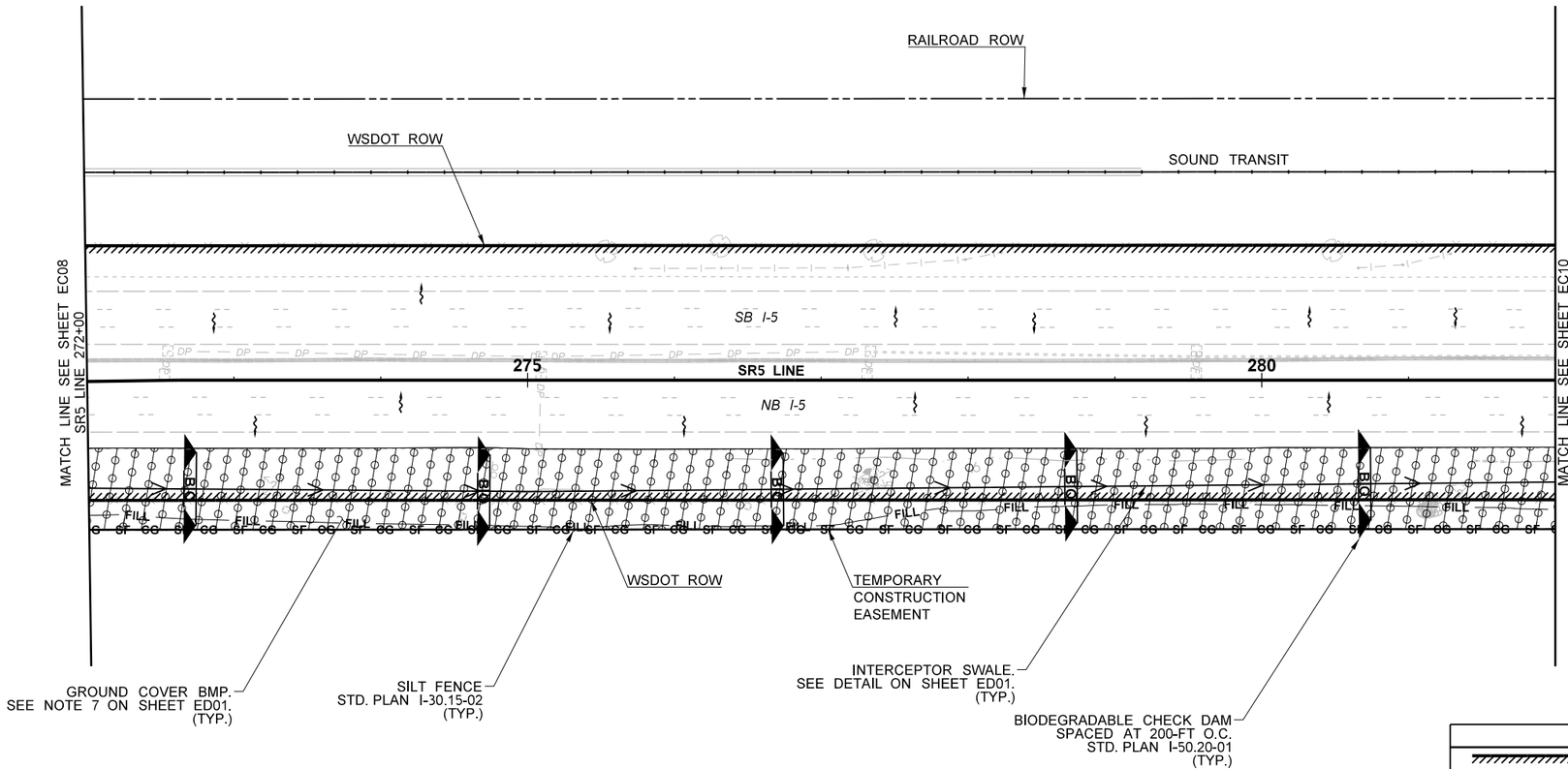

0 50 100
SCALE IN FEET

LEGEND

- RIGHT-OF-WAY LINE
- CUT — CUT LINE
- FILL — FILL LINE
- CG — CG — CLEAR AND GRUB LINE
- SF — SF — SILT FENCE
- HVS — HVS — HIGH VISIBILITY SILT FENCE
- HVF — HVF — HIGH VISIBILITY FENCE
- ST — ST — TEMPORARY STORM PIPE
- INTERCEPTOR SWALE
- INLET PROTECTION
- NON-PERMEABLE INLET COVER
- STABILIZED CONSTRUCTION ENTRANCE
- SANDBAG DAM
- BIO — BIODEGRADABLE CHECK DAM
- COMPOST SOCK
- BAKER TANK AND PUMP
- MONITORING LOCATION
- GROUND COVER BMP
- COMPOST BERM
- DIRECTION OF OVERLAND FLOW
- F — FORCE MAIN

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DATE	9/12/2018
PLOTTED BY	JZigweid
DESIGNED BY	J. ZIGWEID
ENTERED BY	A. MAILLOUX
CHECKED BY	J. ZIGWEID
PROJ. ENGR.	C. MEADE
REGIONAL ADM.	J. WYNANDS

REVISION	DATE	BY
REV 0 - RFC	09/10/18	
REV B - FINAL REVIEW	08/30/18	
REV A - PRELIMINARY REVIEW	08/02/18	

REGION NO. 10 | STATE WASH
JOB NUMBER
CONTRACT NO. C9133
FED.AID PROJ.NO.
LOCATION NO.

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 21141 — REGISTERED PROFESSIONAL ENGINEER
09/10/18
DATE
P.E. STAMP BOX

DATE
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Washington State Department of Transportation
ATKINSON CONSTRUCTION / JACOBS

I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

EROSION CONTROL PLAN

PLAN REF NO EC09

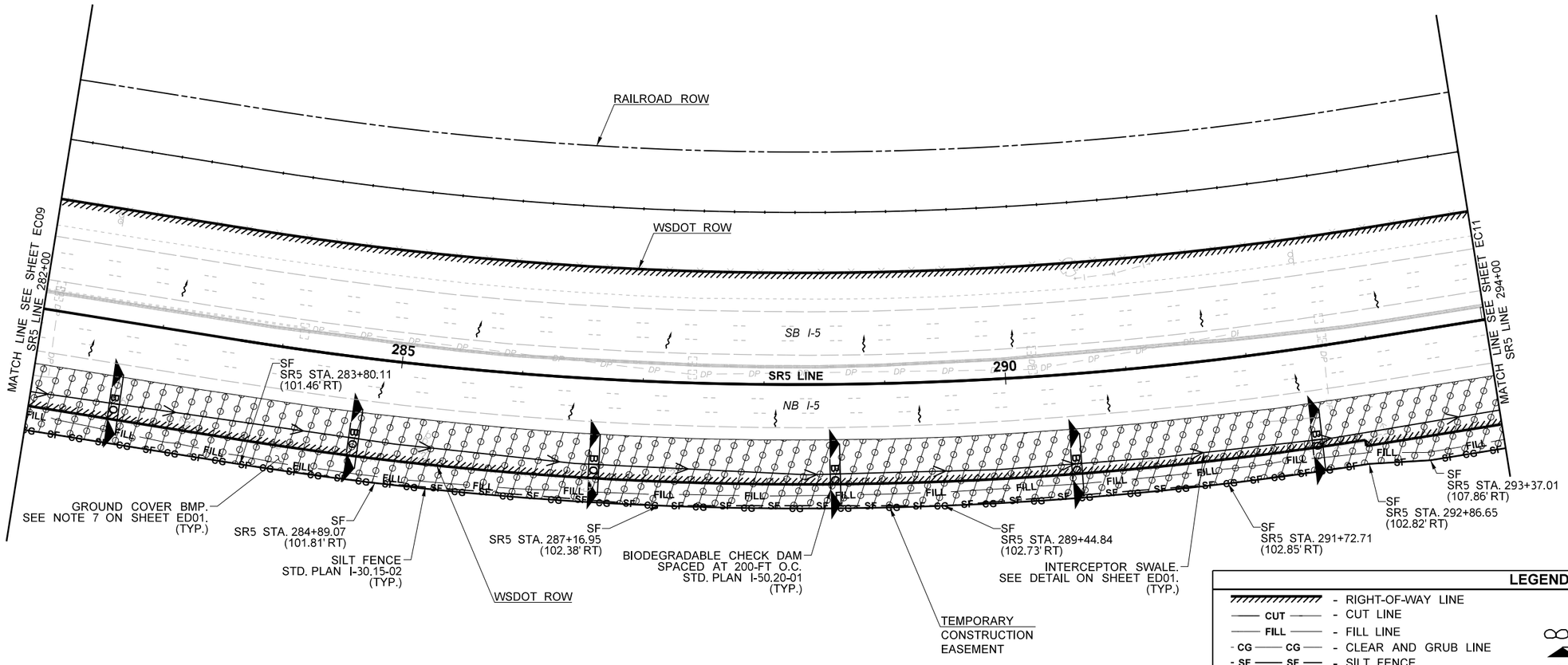
SHEET 258 OF 1456 SHEETS

AS-BUILT

NOTES:

1. SEE SHEET ED01 FOR TESC GENERAL NOTES AND CONSTRUCTION SEQUENCE.

ATKINSON
SEP 12 2018
RELEASED FOR CONSTRUCTION



LEGEND

- RIGHT-OF-WAY LINE
- CUT — CUT LINE
- FILL — FILL LINE
- CG — CG — CLEAR AND GRUB LINE
- SF — SF — SILT FENCE
- HVS — HVS — HIGH VISIBILITY SILT FENCE
- HVF — HVF — HIGH VISIBILITY FENCE
- ST — ST — TEMPORARY STORM PIPE
- INTERCEPTOR SWALE
- INLET PROTECTION
- NON-PERMEABLE INLET COVER
- STABILIZED CONSTRUCTION ENTRANCE
- SANDBAG DAM
- BIO — BIODEGRADABLE CHECK DAM
- COMPOST SOCK
- BAKER TANK AND PUMP
- MONITORING LOCATION
- GROUND COVER BMP
- COMPOST BERM
- DIRECTION OF OVERLAND FLOW
- —F— FORCE MAIN

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DESIGNED BY	J. ZIGWEID						
ENTERED BY	A. MAILLOUX	REV 0 - RFC	09/10/18		CONTRACT NO.		LOCATION NO.
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	08/30/18		C9133		
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	08/02/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

09/10/18
DATE
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ATKINSON CONSTRUCTION / JACOBS

I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

EROSION CONTROL PLAN

PLAN REF NO
EC10

SHEET
259
OF
1456
SHEETS

AS-BUILT

NOTES:

1. SEE SHEET ED01 FOR TESC GENERAL NOTES AND CONSTRUCTION SEQUENCE.

ATKINSON
SEP 12 2018
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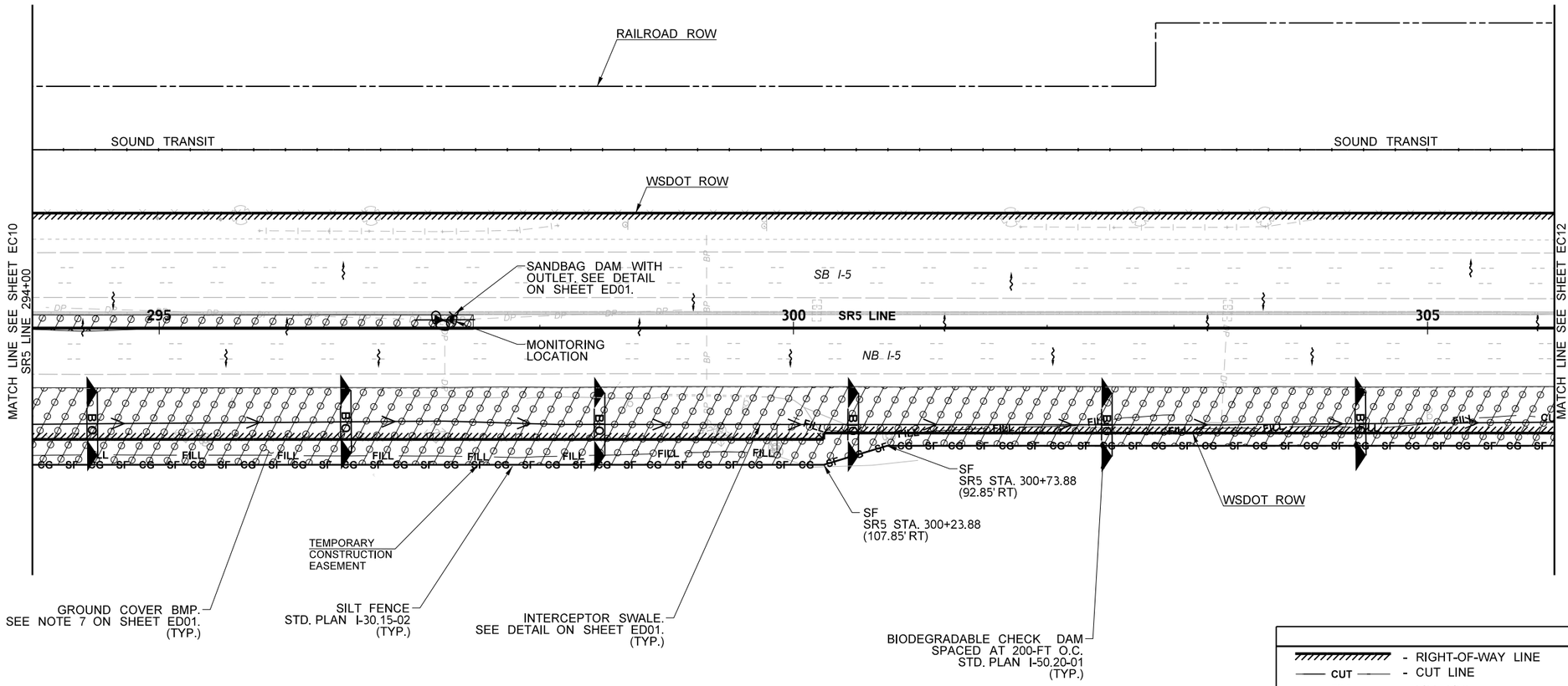

LEGEND

	- RIGHT-OF-WAY LINE		- STABILIZED CONSTRUCTION ENTRANCE
CUT	- CUT LINE		- SANDBAG DAM
FILL	- FILL LINE	BIO	- BIODEGRADABLE CHECK DAM
CG CG	- CLEAR AND GRUB LINE		- COMPOST SOCK
SF SF	- SILT FENCE		- BAKER TANK AND PUMP
HVS HVS	- HIGH VISIBILITY SILT FENCE		- MONITORING LOCATION
HVF HVF	- HIGH VISIBILITY FENCE		- GROUND COVER BMP
ST ST	- TEMPORARY STORM PIPE		- COMPOST BERM
	- INTERCEPTOR SWALE		- DIRECTION OF OVERLAND FLOW
	- INLET PROTECTION	F	- FORCE MAIN
	- NON-PERMEABLE INLET COVER		

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PLOTTED BY	GRimando				JOB NUMBER		
DESIGNED BY	J. ZIGWEID						
ENTERED BY	A. MAILLOUX	REV 0 - RFC	09/10/18		CONTRACT NO. C9133		LOCATION NO.
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	08/30/18				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	08/02/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
09/10/18
DATE
P.E. STAMP BOX

DATE
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ATKINSON CONSTRUCTION / JACOBS

I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

EROSION CONTROL PLAN

PLAN REF NO
EC11

SHEET 260 OF 1456 SHEETS

AS-BUILT

NOTES:

1. SEE SHEET ED01 FOR TESC GENERAL NOTES AND CONSTRUCTION SEQUENCE.

ATKINSON
SEP 12 2018
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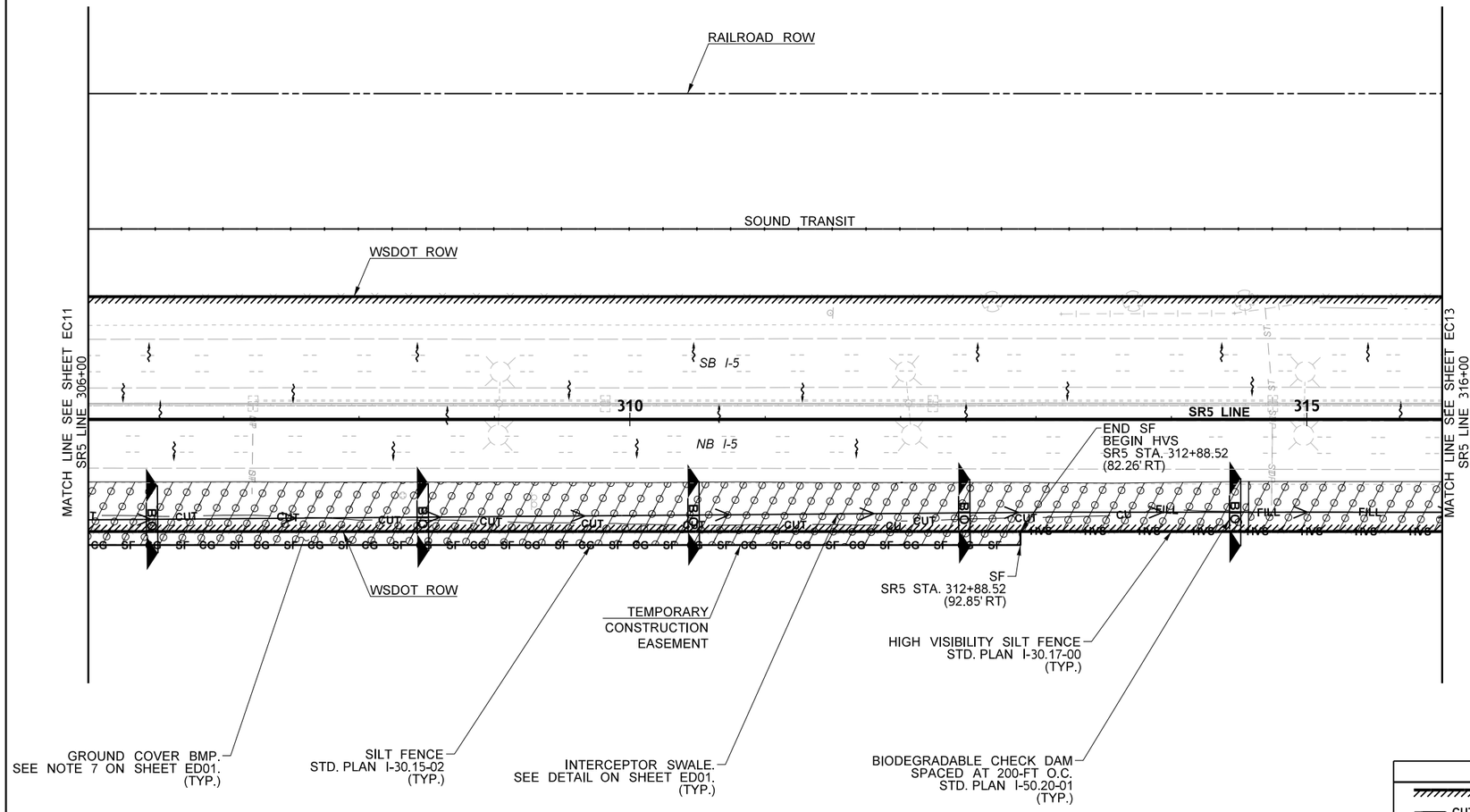

LEGEND

- RIGHT-OF-WAY LINE	- STABILIZED CONSTRUCTION ENTRANCE
CUT - CUT LINE	- SANDBAG DAM
FILL - FILL LINE	BIO - BIODEGRADABLE CHECK DAM
CG CG - CLEAR AND GRUB LINE	- COMPOST SOCK
SF SF - SILT FENCE	- BAKER TANK AND PUMP
HVS HVS - HIGH VISIBILITY SILT FENCE	- MONITORING LOCATION
HVF HVF - HIGH VISIBILITY FENCE	- GROUND COVER BMP
ST ST - TEMPORARY STORM PIPE	- COMPOST BERM
- INTERCEPTOR SWALE	- DIRECTION OF OVERLAND FLOW
- INLET PROTECTION	F - FORCE MAIN
- NON-PERMEABLE INLET COVER	

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DATE	9/7/2018						
PLOTTED BY	JZigweid						
DESIGNED BY	J. ZIGWEID						
ENTERED BY	A. MAILLOUX	REV 0 - RFC	09/10/18		CONTRACT NO. C9133		LOCATION NO.
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	08/30/18				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	08/02/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

09/10/18
DATE
P.E. STAMP BOX

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ATKINSON CONSTRUCTION / JACOBS

I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

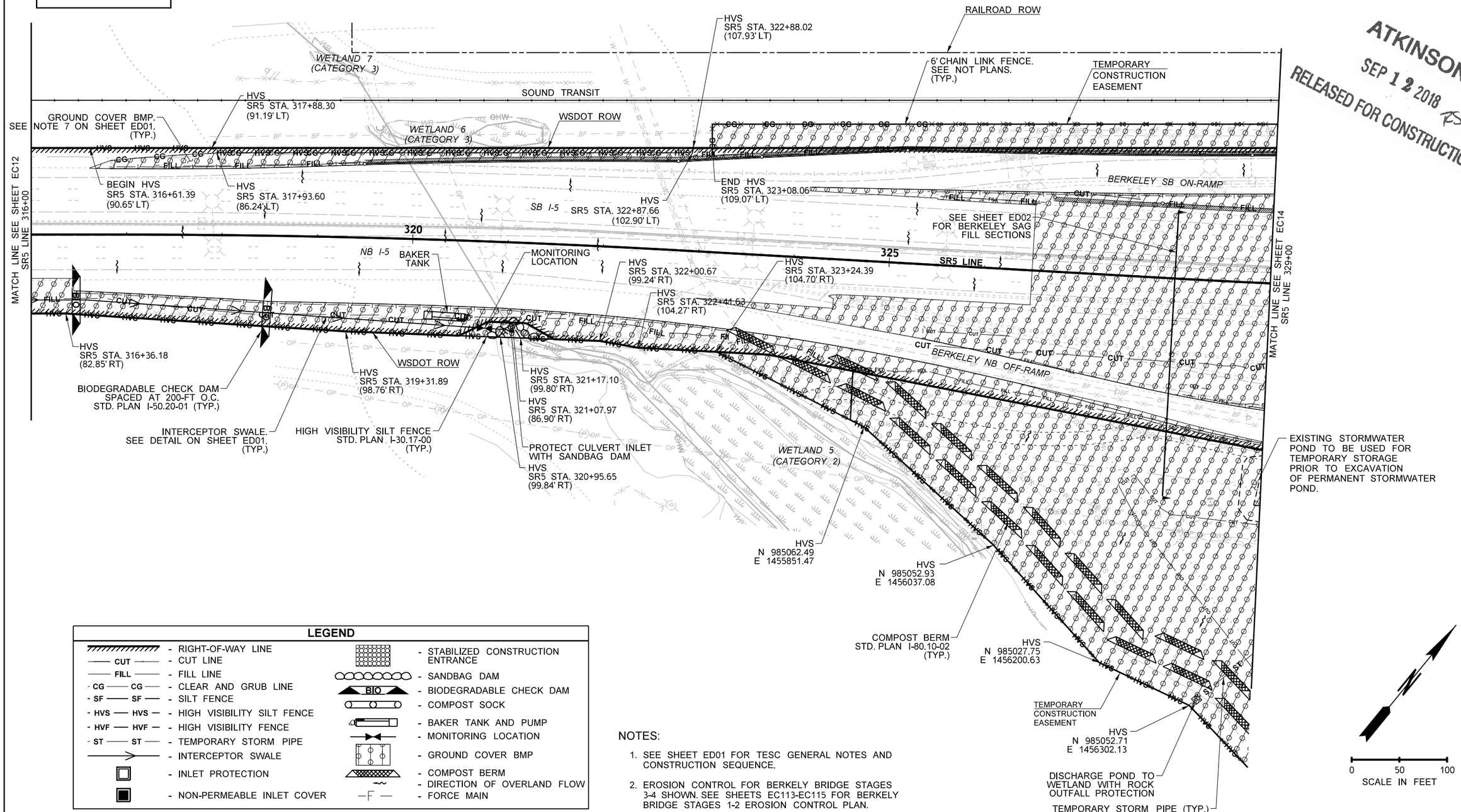
EROSION CONTROL PLAN

PLAN REF NO
EC12

SHEET 261 OF 1456 SHEETS

AS-BUILT

ATKINSON
SEP 12 2018
RELEASED FOR CONSTRUCTION



LEGEND

- RIGHT-OF-WAY LINE
- CUT LINE
- FILL LINE
- CLEAR AND GRUB LINE
- SILT FENCE
- HIGH VISIBILITY SILT FENCE
- HIGH VISIBILITY FENCE
- TEMPORARY STORM PIPE
- INTERCEPTOR SWALE
- INLET PROTECTION
- NON-PERMEABLE INLET COVER
- STABILIZED CONSTRUCTION ENTRANCE
- SANDBAG DAM
- BIODEGRADABLE CHECK DAM
- COMPOST SOCK
- BAKER TANK AND PUMP
- MONITORING LOCATION
- GROUND COVER BMP
- COMPOST BERM
- DIRECTION OF OVERLAND FLOW
- FORCE MAIN

NOTES:

1. SEE SHEET ED01 FOR TESC GENERAL NOTES AND CONSTRUCTION SEQUENCE.
2. EROSION CONTROL FOR BERKELY BRIDGE STAGES 3-4 SHOWN. SEE SHEETS EC113-EC115 FOR BERKELY BRIDGE STAGES 1-2 EROSION CONTROL PLAN.

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DATE	9/7/2018						
PLOTTED BY	GRimando						
DESIGNED BY	J. ZIGWEID						
ENTERED BY	A. MAILLOUX	REV 0 - RFC	09/10/18				
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	08/30/18		CONTRACT NO. C9133		LOCATION NO.
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	08/02/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
09/10/18
DATE
P.E. STAMP BOX

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ATKINSON CONSTRUCTION / JACOBS

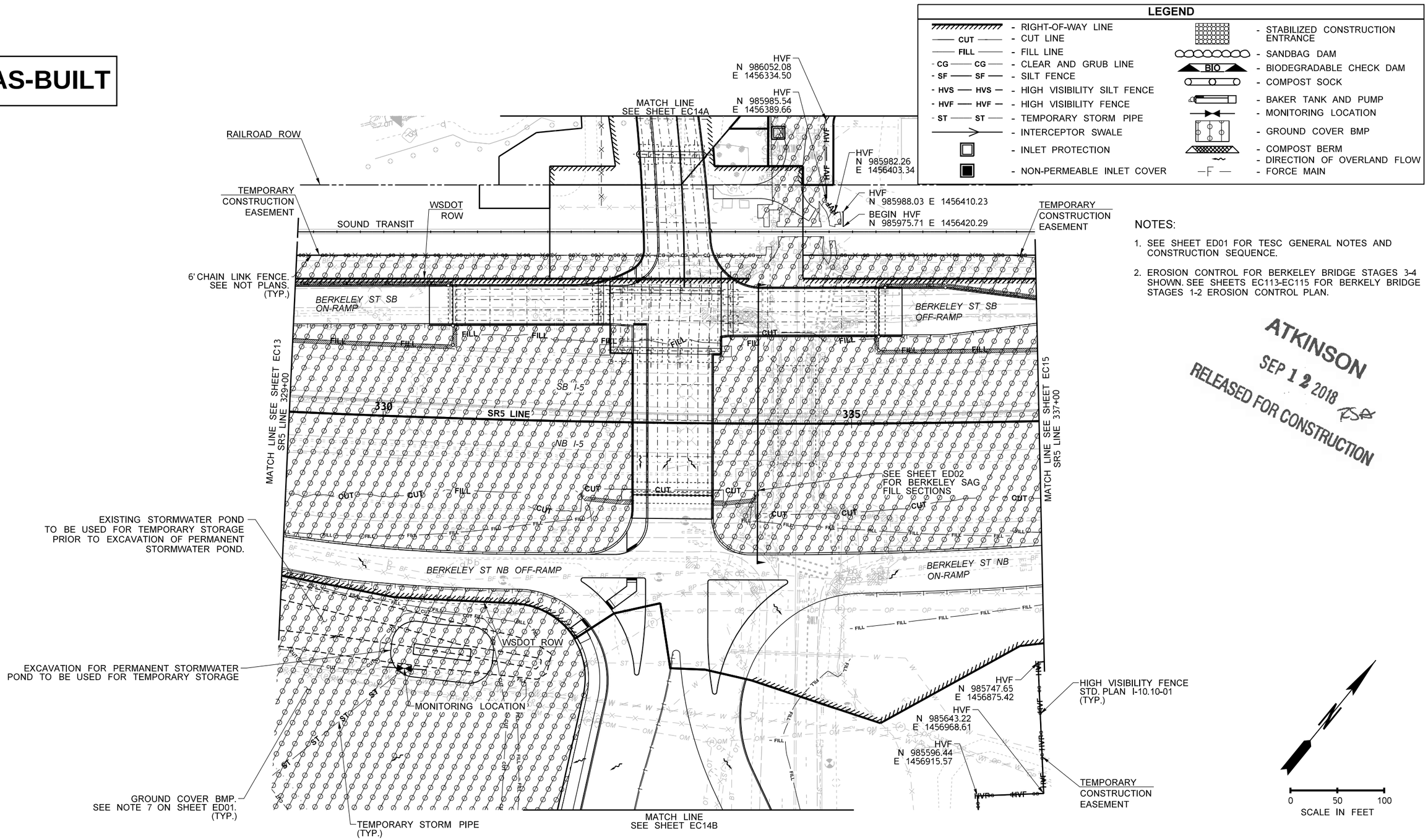
I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

EROSION CONTROL PLAN

PLAN REF NO EC13

SHEET 262 OF 1456 SHEETS

AS-BUILT



NOTES:

1. SEE SHEET ED01 FOR TESC GENERAL NOTES AND CONSTRUCTION SEQUENCE.
2. EROSION CONTROL FOR BERKELEY BRIDGE STAGES 3-4 SHOWN. SEE SHEETS EC113-EC115 FOR BERKELY BRIDGE STAGES 1-2 EROSION CONTROL PLAN.

ATKINSON
SEP 12 2018
RELEASED FOR CONSTRUCTION

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DESIGNED BY	J. ZIGWEID						
ENTERED BY	A. MAILLOUX	REV 0 - RFC	09/10/18				
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	08/30/18		CONTRACT NO. C9133		LOCATION NO.
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	08/02/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFERY D. ZIGWEID — STATE OF WASHINGTON — 51142 — REGISTERED PROFESSIONAL ENGINEER
09/10/18
DATE
P.E. STAMP BOX

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ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

EROSION CONTROL PLAN

PLAN REF NO: EC14

SHEET 263 OF 1456 SHEETS

AS-BUILT

NOTES:

1. SEE SHEET ED01 FOR TESC GENERAL NOTES AND CONSTRUCTION SEQUENCE.
2. EROSION CONTROL FOR BERKELEY BRIDGE STAGES 3-4 SHOWN. SEE SHEETS EC113-EC115 FOR BERKELEY BRIDGE STAGES 1-2 EROSION CONTROL PLAN.

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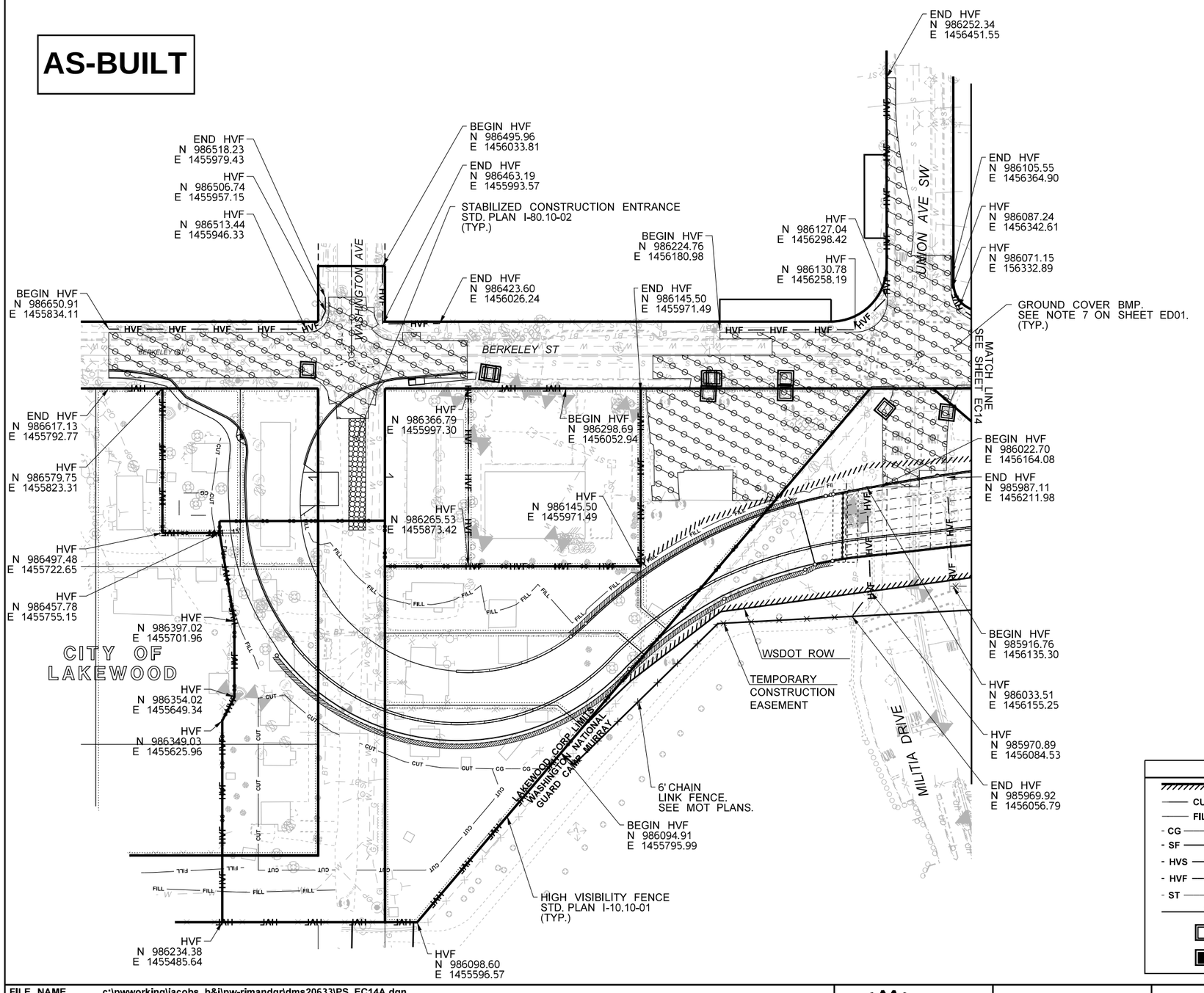
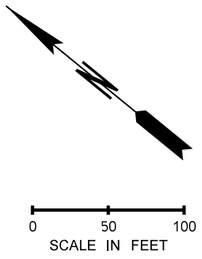
SEP 12 2018
RELEASED FOR CONSTRUCTION





LEGEND

- RIGHT-OF-WAY LINE
- CUT — CUT LINE
- FILL — FILL LINE
- CG — CG — CLEAR AND GRUB LINE
- SF — SF — SILT FENCE
- HVS — HVS — HIGH VISIBILITY SILT FENCE
- HVF — HVF — HIGH VISIBILITY FENCE
- ST — ST — TEMPORARY STORM PIPE
- INTERCEPTOR SWALE
- INLET PROTECTION
- NON-PERMEABLE INLET COVER
- STABILIZED CONSTRUCTION ENTRANCE
- SANDBAG DAM
- BIO — BIODEGRADABLE CHECK DAM
- COMPOST SOCK
- BAKER TANK AND PUMP
- MONITORING LOCATION
- GROUND COVER BMP
- COMPOST BERM
- DIRECTION OF OVERLAND FLOW
- —F— FORCE MAIN

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DATE	9/7/2018				JOB NUMBER		
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DESIGNED BY	J. ZIGWEID						
ENTERED BY	A. MAILLOUX	REV 0 - RFC	09/10/18		CONTRACT NO.	LOCATION NO.	
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	08/30/18		C9133		
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	08/02/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

09/10/18
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON CONSTRUCTION / JACOBS

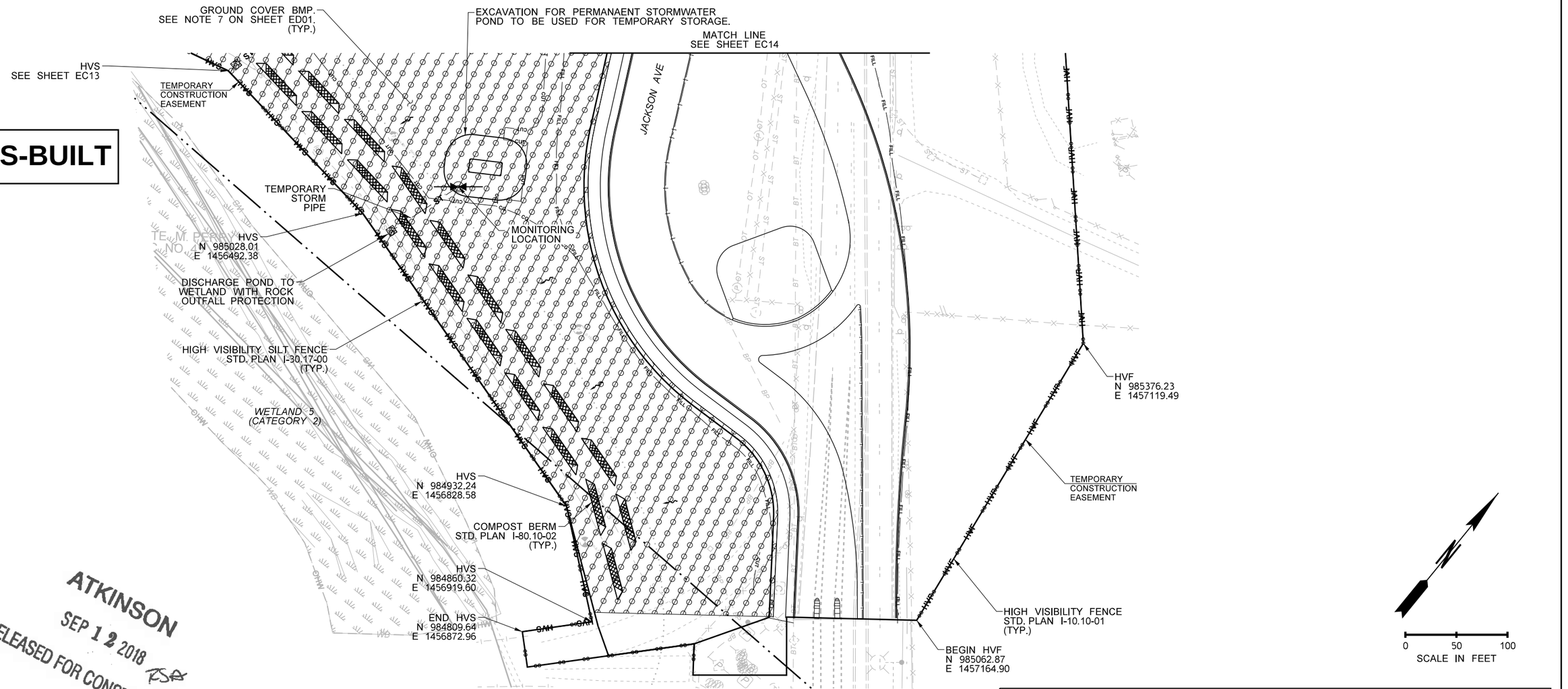
I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

EROSION CONTROL PLAN

PLAN REF NO
EC14A

SHEET 264 OF 1456 SHEETS

AS-BUILT



ATKINSON
SEP 12 2018
RELEASED FOR CONSTRUCTION

NOTES:

1. SEE SHEET ED01 FOR TESC GENERAL NOTES AND CONSTRUCTION SEQUENCE.
2. EROSION CONTROL FOR BERKELEY BRIDGE STAGES 3-4 SHOWN. SEE SHEETS EC113-EC115 FOR BERKELEY BRIDGE STAGES 1-2 EROSION CONTROL PLAN.

LEGEND

- RIGHT-OF-WAY LINE
- CUT — CUT LINE
- FILL — FILL LINE
- CG — CG — CLEAR AND GRUB LINE
- SF — SF — SILT FENCE
- HVS — HVS — HIGH VISIBILITY SILT FENCE
- HVF — HVF — HIGH VISIBILITY FENCE
- ST — ST — TEMPORARY STORM PIPE
- INTERCEPTOR SWALE
- INLET PROTECTION
- NON-PERMEABLE INLET COVER
- STABILIZED CONSTRUCTION ENTRANCE
- SANDBAG DAM
- BIO — BIODEGRADABLE CHECK DAM
- COMPOST SOCK
- BAKER TANK AND PUMP
- MONITORING LOCATION
- GROUND COVER BMP
- COMPOST BERM
- DIRECTION OF OVERLAND FLOW
- —F— FORCE MAIN

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TIME	9:27:27 AM				10	WASH	
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DESIGNED BY	J. ZIGWEID						
ENTERED BY	A. MAILLOUX	REV 0 - RFC	09/10/18		CONTRACT NO.	LOCATION NO.	
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	08/30/18		C9133		
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	08/02/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 31141 — REGISTERED PROFESSIONAL ENGINEER
09/10/18
DATE
P.E. STAMP BOX

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P.E. STAMP BOX

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ATKINSON CONSTRUCTION / JACOBS

I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

EROSION CONTROL PLAN

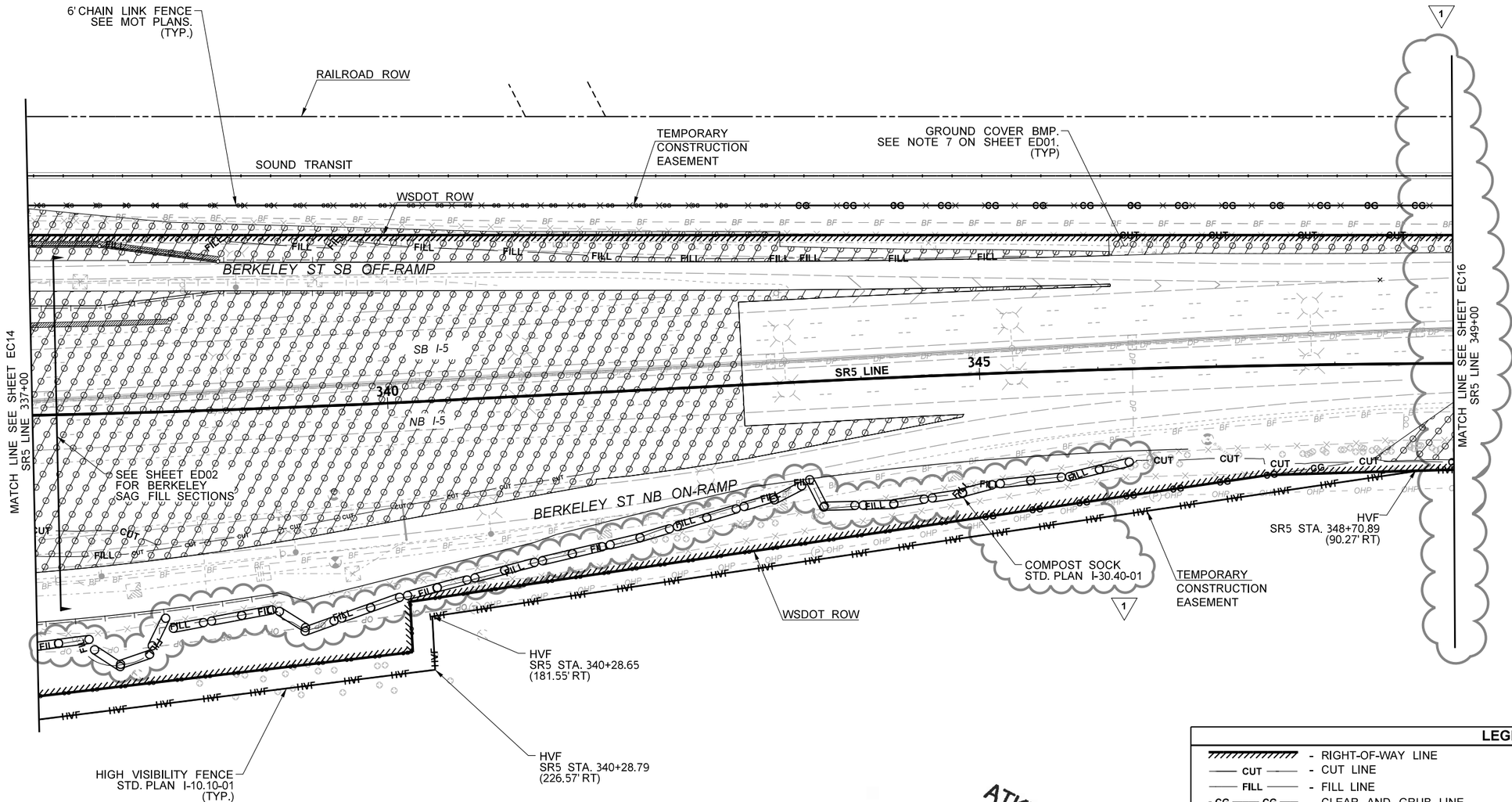
PLAN REF NO
EC14B

SHEET
265
OF
1456
SHEETS

AS-BUILT

NOTES:

1. SEE SHEET ED01 FOR TESC GENERAL NOTES AND CONSTRUCTION SEQUENCE.
2. EROSION CONTROL FOR BERKELEY BRIDGE STAGES 3-4 SHOWN. SEE SHEETS EC113-EC115 FOR BERKELEY BRIDGE STAGES 1-2 EROSION CONTROL PLAN.



ATKINSON
APR 03 2019 QSA
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LEGEND

- RIGHT-OF-WAY LINE
- CUT LINE
- FILL LINE
- CLEAR AND GRUB LINE
- SILT FENCE
- HIGH VISIBILITY SILT FENCE
- HIGH VISIBILITY FENCE
- TEMPORARY STORM PIPE
- INTERCEPTOR SWALE
- INLET PROTECTION
- NON-PERMEABLE INLET COVER
- STABILIZED CONSTRUCTION ENTRANCE
- SANDBAG DAM
- BIODEGRADABLE CHECK DAM
- COMPOST SOCK
- BAKER TANK AND PUMP
- MONITORING LOCATION
- GROUND COVER BMP
- COMPOST BERM
- DIRECTION OF OVERLAND FLOW
- FORCE MAIN

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ENTERED BY	A. MAILLOUX	REV 0 - RFC	09/10/18				
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	08/30/18		CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	08/02/18		C9133		
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFERY D. ZIGWEID — STATE OF WASHINGTON — 51142 — REGISTERED PROFESSIONAL ENGINEER
04/05/19
DATE
P.E. STAMP BOX

DATE
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Washington State Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

EROSION CONTROL PLAN

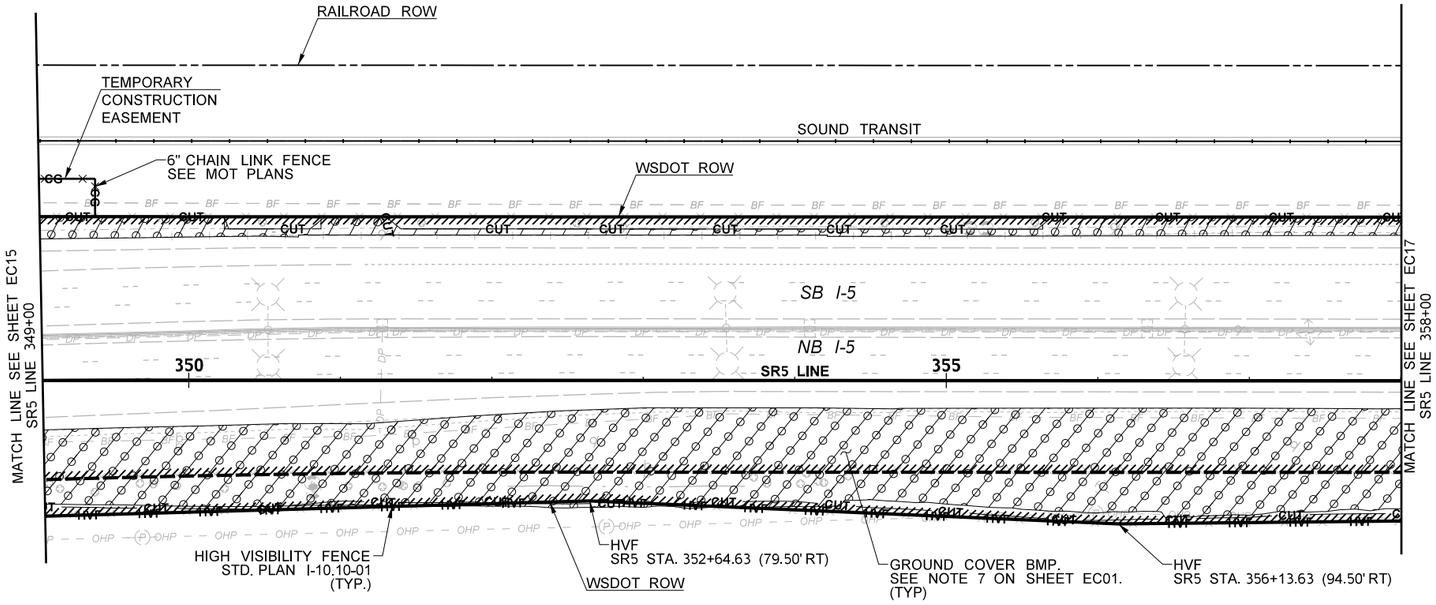
PLAN REF NO
EC15

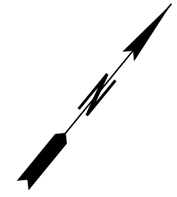
SHEET 266 OF 1456 SHEETS

AS-BUILT

NOTES:

1. SEE SHEET ED01 FOR TESC GENERAL NOTES AND CONSTRUCTION SEQUENCE.





0 50 100
SCALE IN FEET

ATKINSON
APR 03 2019 QSA
RELEASED FOR CONSTRUCTION

LEGEND

- RIGHT-OF-WAY LINE
- CUT — CUT LINE
- FILL — FILL LINE
- CG — CG — CLEAR AND GRUB LINE
- SF — SF — SILT FENCE
- HVS — HVS — HIGH VISIBILITY SILT FENCE
- HVF — HVF — HIGH VISIBILITY FENCE
- ST — ST — TEMPORARY STORM PIPE
- INTERCEPTOR SWALE
- INLET PROTECTION
- NON-PERMEABLE INLET COVER
- STABILIZED CONSTRUCTION ENTRANCE
- SANDBAG DAM
- BIO - BIODEGRADABLE CHECK DAM
- COMPOST SOCK
- BAKER TANK AND PUMP
- MONITORING LOCATION
- GROUND COVER BMP
- COMPOST BERM
- DIRECTION OF OVERLAND FLOW
- —F— FORCE MAIN

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TIME	7:43:50 AM				10	WASH	
DATE	4/3/2019				JOB NUMBER		
PLOTTED BY	AndrewM						
DESIGNED BY	J. ZIGWEID						
ENTERED BY	A. MAILLOUX	REV 0 - RFC	04/05/19		CONTRACT NO.	LOCATION NO.	
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	03/22/19		C9133		
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	08/02/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFERY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
04/05/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

EROSION CONTROL PLAN

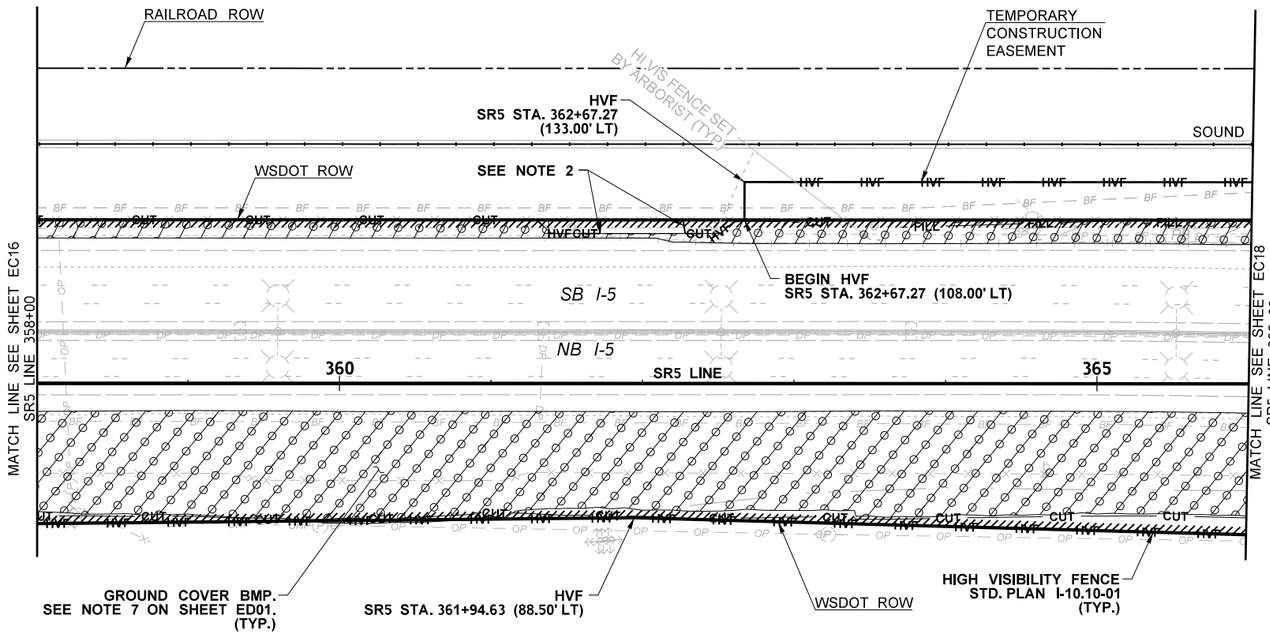
PLAN REF NO
EC16

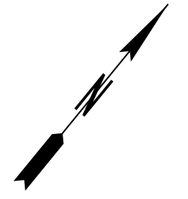
SHEET
267
OF
1456
SHEETS

AS-BUILT

NOTES:

1. SEE SHEET ED01 FOR TESC GENERAL NOTES AND CONSTRUCTION SEQUENCE.
2. PROTECT EXISTING TREES BY PLACING HIGH VISIBILITY FENCE (HVF, STD. PLAN I-10.10-01) ALONG THE DRIP LINE. COORDINATE TREE PROTECTION WITH ED WINKLEY AT WSDOT (360) 570-6674 OR WINKLEE@WSDOT.WA.GOV.





0 50 100
SCALE IN FEET

ATKINSON
APR 03 2019
RELEASED FOR CONSTRUCTION

LEGEND

- RIGHT-OF-WAY LINE
- CUT — CUT LINE
- FILL — FILL LINE
- CG — CG — CLEAR AND GRUB LINE
- SF — SF — SILT FENCE
- HVS — HVS — HIGH VISIBILITY SILT FENCE
- HVF — HVF — HIGH VISIBILITY FENCE
- ST — ST — TEMPORARY STORM PIPE
- INTERCEPTOR SWALE
- INLET PROTECTION
- NON-PERMEABLE INLET COVER
- STABILIZED CONSTRUCTION ENTRANCE
- SANDBAG DAM
- BIO — BIODEGRADABLE CHECK DAM
- COMPOST SOCK
- BAKER TANK AND PUMP
- MONITORING LOCATION
- GROUND COVER BMP
- COMPOST BERM
- DIRECTION OF OVERLAND FLOW
- —F— FORCE MAIN

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TIME	7:47:54 AM				10	WASH	
DATE	4/3/2019				JOB NUMBER		
PLOTTED BY	AndrewM						
DESIGNED BY	J. ZIGWEID						
ENTERED BY	A. MAILLOUX	REV 0 - RFC	04/05/19		CONTRACT NO.	LOCATION NO.	
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	03/22/19		C9133		
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	08/02/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

PERRY D. TIEDEMANN — STATE OF WASHINGTON — 51142 — REGISTERED PROFESSIONAL ENGINEER

04/05/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

EROSION CONTROL PLAN

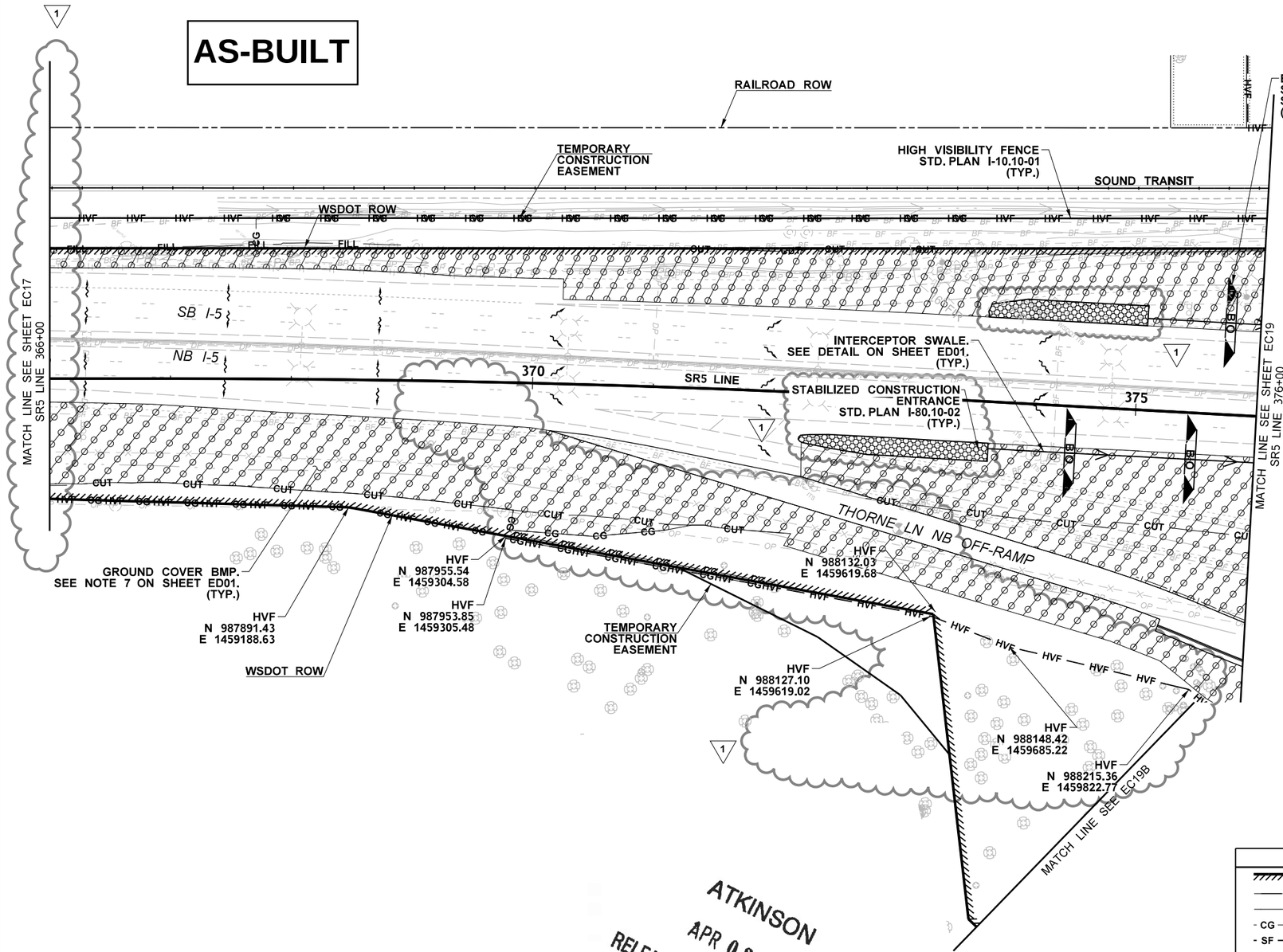
PLAN REF NO
EC17

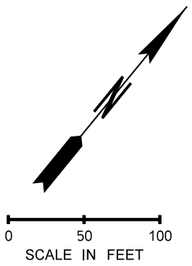
SHEET 268 OF 1456 SHEETS

AS-BUILT

NOTES:

1. SEE SHEET ED01 FOR TESC GENERAL NOTES AND CONSTRUCTION SEQUENCE.
2. EROSION CONTROL FOR THORNE BRIDGE STAGES 3-4 SHOWN. SEE SHEETS EC118-EC120 FOR THORNE BRIDGE STAGES 1-2 EROSION CONTROL PLAN.





ATKINSON
APR 03 2019 QSA
RELEASED FOR CONSTRUCTION

LEGEND

- RIGHT-OF-WAY LINE
- CUT — CUT LINE
- FILL — FILL LINE
- CG — CG — CLEAR AND GRUB LINE
- SF — SF — SILT FENCE
- HVS — HVS — HIGH VISIBILITY SILT FENCE
- HVF — HVF — HIGH VISIBILITY FENCE
- ST — ST — TEMPORARY STORM PIPE
- INTERCEPTOR SWALE
- INLET PROTECTION
- NON-PERMEABLE INLET COVER
- STABILIZED CONSTRUCTION ENTRANCE
- SANDBAG DAM
- BIO — BIODEGRADABLE CHECK DAM
- COMPOST SOCK
- BAKER TANK AND PUMP
- MONITORING LOCATION
- GROUND COVER BMP
- COMPOST BERM
- DIRECTION OF OVERLAND FLOW
- —F— FORCE MAIN

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TIME	7:52:54 AM			
DATE	4/3/2019			
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DESIGNED BY	J. ZIGWEID	REV C - FINAL REVIEW	03/25/19	
ENTERED BY	A. MAILLOUX	REV 0 - RFC	01/25/19	
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	01/09/19	
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	08/02/18	
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY

REGION NO. 10 | STATE WASH | JOB NUMBER | CONTRACT NO. C9133 | FED.AID PROJ.NO. | LOCATION NO.

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
04/05/19 DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON CONSTRUCTION / JACOBS

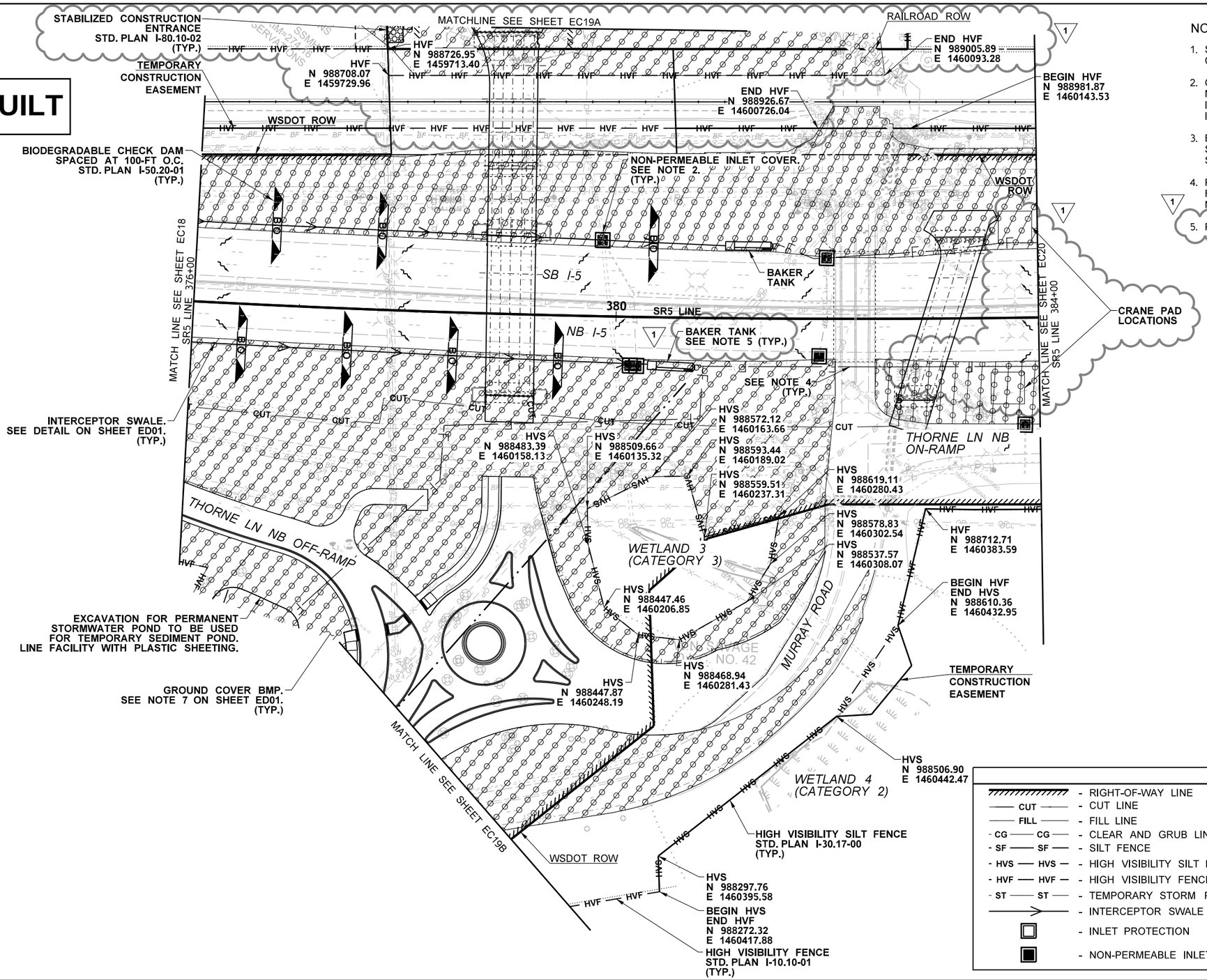
I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

EROSION CONTROL PLAN

PLAN REF NO EC18

SHEET 269 OF 1456 SHEETS

AS-BUILT



NOTES:

1. SEE SHEET ED01 FOR TESC GENERAL NOTES AND CONSTRUCTION SEQUENCE.
2. OUTLET PIPES MAY BE PLUGGED IN LIEU OF A NON-PERMEABLE COVER PROVIDED THAT THE STRUCTURE IS NOT DOWNSTREAM OF ANY ACTIVE STORMWATER INLETS.
3. EROSION CONTROL FOR THORNE BRIDGE STAGES 3-4 SHOWN. SEE SHEETS EC118-EC120 FOR THORNE BRIDGE STAGES 1-2 EROSION CONTROL PLAN.
4. PUMP BAKER TANKS TO STORMWATER POND. SLEEVE FORCE MAIN THROUGH EXISTING STORM PIPES AS NECESSARY.
5. PROVIDE BAKER TANKS AS NEEDED.

ATKINSON
APR 03 2019 QSA
RELEASED FOR CONSTRUCTION

LEGEND

- RIGHT-OF-WAY LINE
- CUT — CUT LINE
- FILL — FILL LINE
- CG — CG — CLEAR AND GRUB LINE
- SF — SF — SILT FENCE
- HVS — HVS — HIGH VISIBILITY SILT FENCE
- HVF — HVF — HIGH VISIBILITY FENCE
- ST — ST — TEMPORARY STORM PIPE
- INTERCEPTOR SWALE
- INLET PROTECTION
- NON-PERMEABLE INLET COVER
- STABILIZED CONSTRUCTION ENTRANCE
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- BIO — BIODEGRADABLE CHECK DAM
- COMPOST SOCK
- BAKER TANK AND PUMP
- MONITORING LOCATION
- GROUND COVER BMP
- COMPOST BERM
- DIRECTION OF OVERLAND FLOW
- —F— FORCE MAIN

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DATE	4/3/2019			
PLOTTED BY	AndrewM	REV 1 - RFC	04/05/19	
DESIGNED BY	J. ZIGWEID	REV C - FINAL REVIEW	03/22/19	
ENTERED BY	A. MAILLOUX	REV 0 - RFC	01/25/19	
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	01/09/19	
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	08/02/18	
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY

REGION NO. 10 | STATE WASH | JOB NUMBER | CONTRACT NO. C9133 | FED.AID PROJ.NO. | LOCATION NO.

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
04/05/19
P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

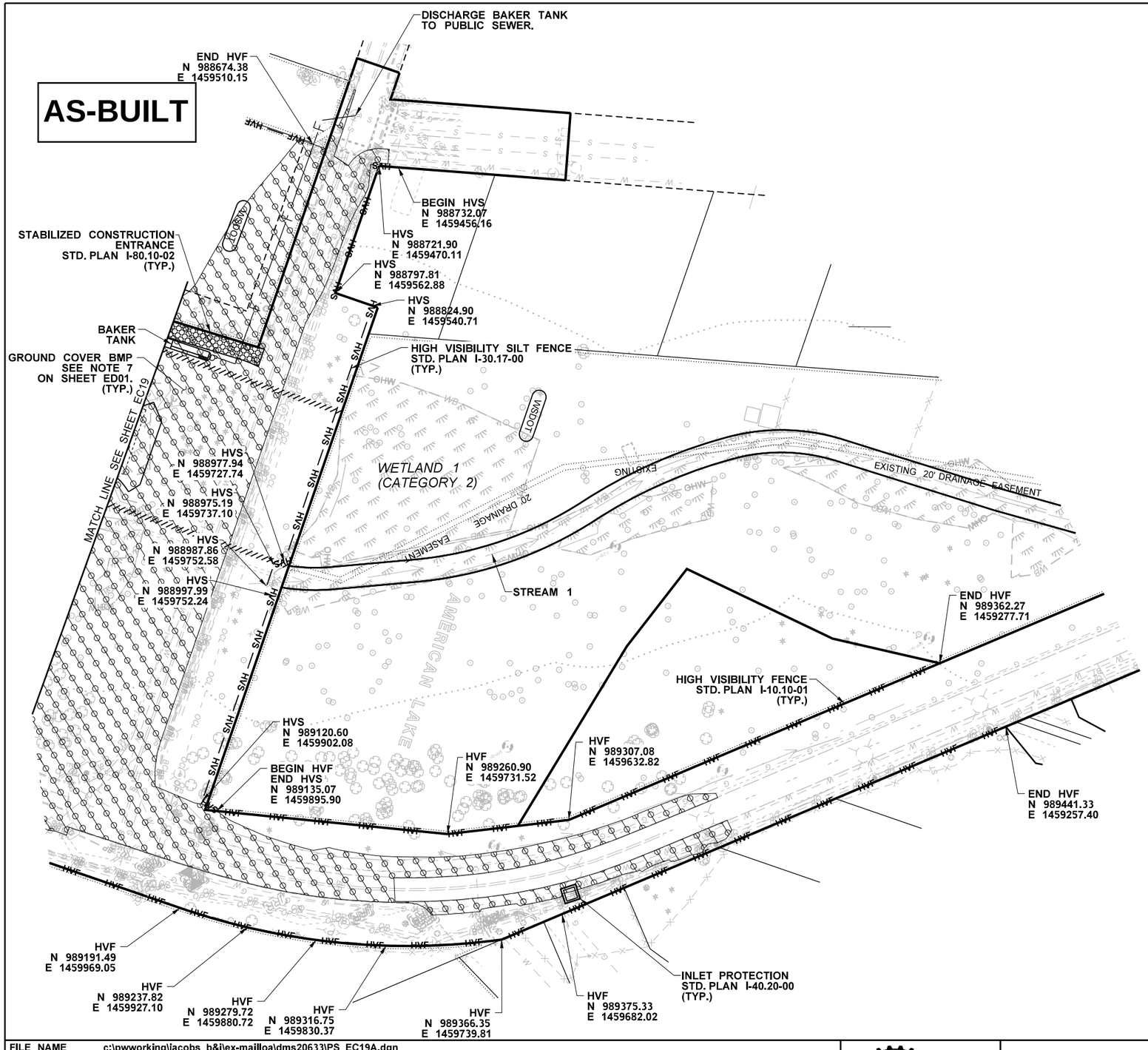
ATKINSON CONSTRUCTION / JACOBS

I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

EROSION CONTROL PLAN

PLAN REF NO EC19

SHEET 270 OF 1456 SHEETS



NOTES:

1. SEE SHEET ED01 FOR TESC GENERAL NOTES AND CONSTRUCTION SEQUENCE.
2. EROSION CONTROL FOR THORNE BRIDGE STAGES 3-4 SHOWN. SEE SHEETS EC118-EC120 FOR THORNE BRIDGE STAGES 1-2 EROSION CONTROL PLAN.

ATKINSON
APR 03 2019
RELEASED FOR CONSTRUCTION

0 50 100
SCALE IN FEET

LEGEND

- RIGHT-OF-WAY LINE
- CUT — CUT LINE
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- GROUND COVER BMP
- COMPOST BERM
- DIRECTION OF OVERLAND FLOW
- —F— FORCE MAIN

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DESIGNED BY	J. ZIGWEID						
ENTERED BY	A. MAILLOUX	REV 0 - RFC	04/05/19		CONTRACT NO. C9133	LOCATION NO.	
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	03/22/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	08/02/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 51745 — REGISTERED PROFESSIONAL ENGINEER
04/05/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

EROSION CONTROL PLAN

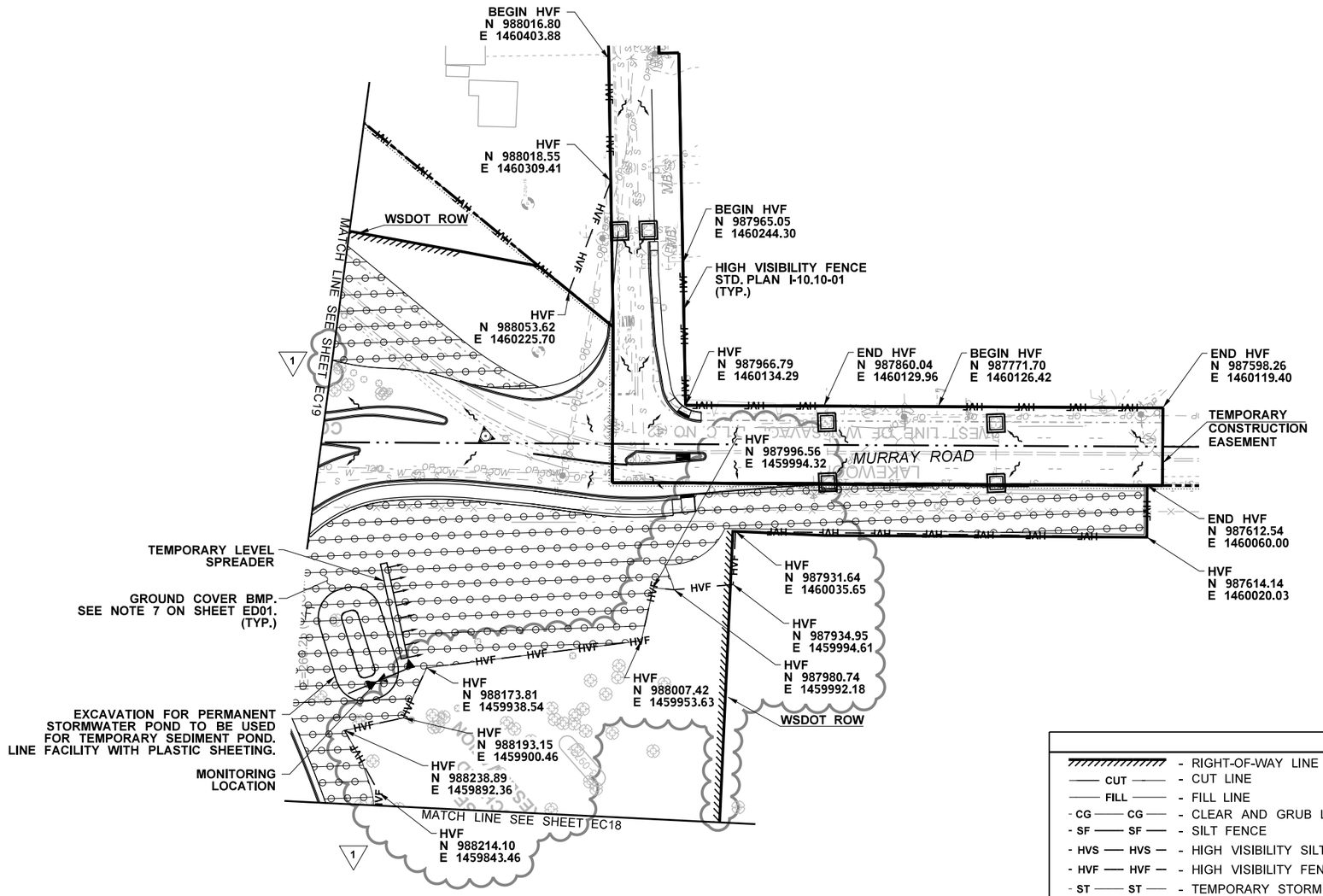
PLAN REF NO
EC19A

SHEET 271 OF 1456 SHEETS

AS-BUILT

NOTES:

1. SEE SHEET ED01 FOR TESC GENERAL NOTES AND CONSTRUCTION SEQUENCE.
2. EROSION CONTROL FOR THORNE BRIDGE STAGES 3-4 SHOWN.SEE SHEETS EC118-EC120 FOR THORNE BRIDGE STAGES 1-2 EROSION CONTROL PLAN.



ATKINSON
APR 03 2019
RELEASED FOR CONSTRUCTION

LEGEND

- RIGHT-OF-WAY LINE
- CUT — CUT LINE
- FILL — FILL LINE
- CG — CG — CLEAR AND GRUB LINE
- SF — SF — SILT FENCE
- HVS — HVS — HIGH VISIBILITY SILT FENCE
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- BAKER TANK AND PUMP
- MONITORING LOCATION
- GROUND COVER BMP
- COMPOST BERM
- DIRECTION OF OVERLAND FLOW
- —F— FORCE MAIN

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DESIGNED BY	J. ZIGWEID	REV C - FINAL REVIEW	03/25/19				
ENTERED BY	A. MAILLOUX	REV 0 - RFC	01/25/19		CONTRACT NO. C9133		LOCATION NO.
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	01/09/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	08/02/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
04/05/19
DATE
P.E. STAMP BOX

DATE
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Washington State Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

EROSION CONTROL PLAN

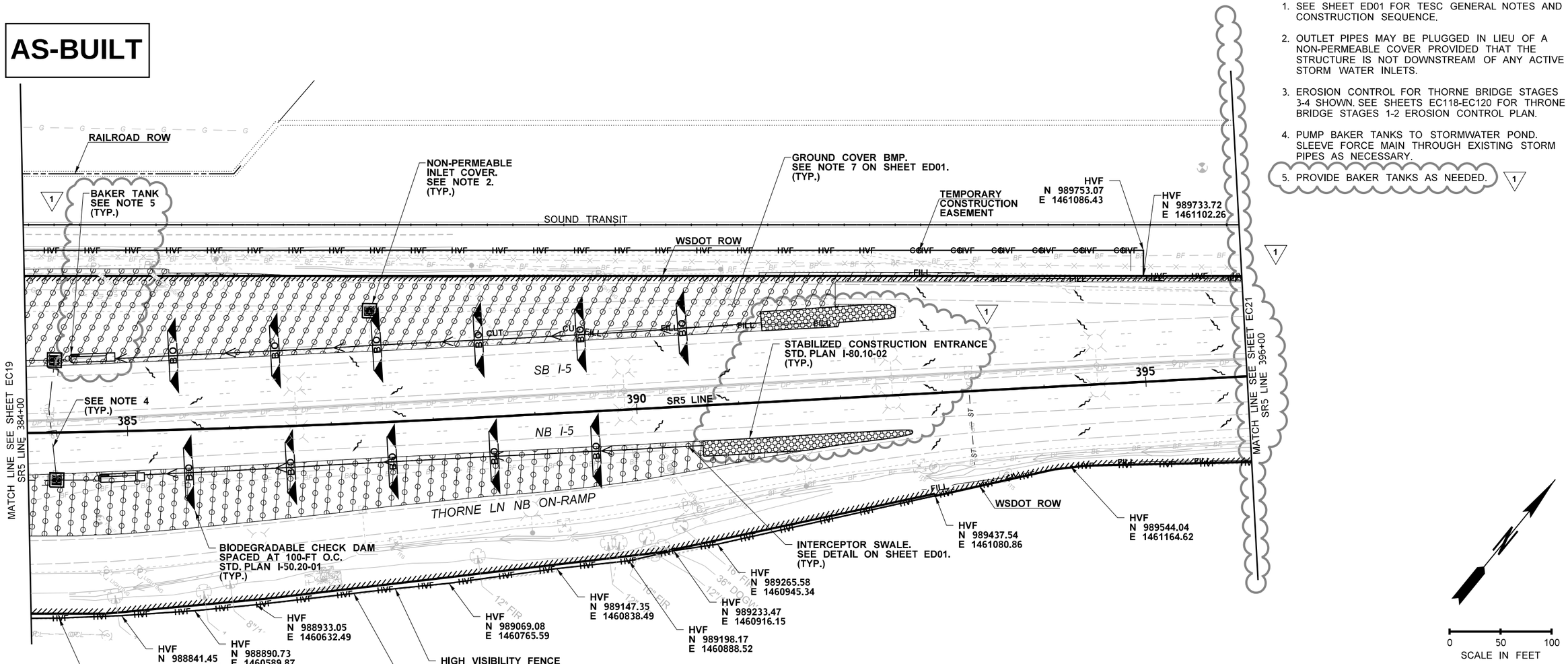
PLAN REF NO
EC19B

SHEET 272 OF 1456 SHEETS

AS-BUILT

NOTES:

1. SEE SHEET ED01 FOR TESC GENERAL NOTES AND CONSTRUCTION SEQUENCE.
2. OUTLET PIPES MAY BE PLUGGED IN LIEU OF A NON-PERMEABLE COVER PROVIDED THAT THE STRUCTURE IS NOT DOWNSTREAM OF ANY ACTIVE STORM WATER INLETS.
3. EROSION CONTROL FOR THORNE BRIDGE STAGES 3-4 SHOWN. SEE SHEETS EC118-EC120 FOR THRONE BRIDGE STAGES 1-2 EROSION CONTROL PLAN.
4. PUMP BAKER TANKS TO STORMWATER POND. SLEEVE FORCE MAIN THROUGH EXISTING STORM PIPES AS NECESSARY.
5. PROVIDE BAKER TANKS AS NEEDED. 1



ATKINSON
APR 03 2019 QSA
RELEASED FOR CONSTRUCTION

LEGEND

- RIGHT-OF-WAY LINE
- CUT — CUT LINE
- FILL — FILL LINE
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- BAKER TANK AND PUMP
- MONITORING LOCATION
- GROUND COVER BMP
- COMPOST BERM
- DIRECTION OF OVERLAND FLOW
- —F— FORCE MAIN

FILE NAME	c:\pwworking\jacobs_b&i\ex-mailloa\dms20633\PS_EC20.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
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DESIGNED BY	J. ZIGWEID	REV C - FINAL REVIEW	03/22/19		CONTRACT NO.		LOCATION NO.
ENTERED BY	A. MAILLOUX	REV 0 - RFC	01/25/19		C9133		
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	01/09/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	08/02/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 31142 — REGISTERED PROFESSIONAL ENGINEER
04/05/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON CONSTRUCTION / JACOBS

I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

EROSION CONTROL PLAN

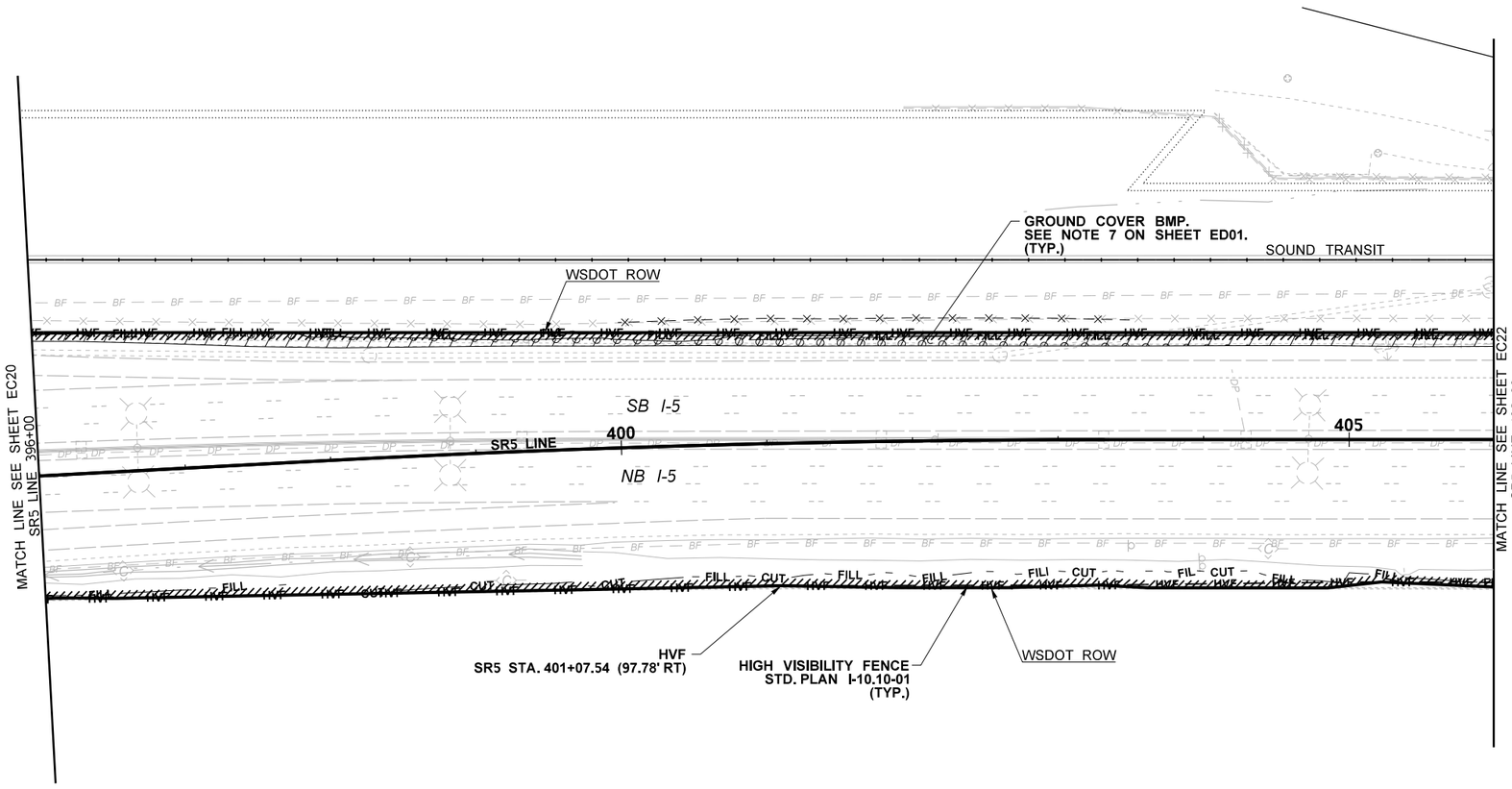
PLAN REF NO
EC20

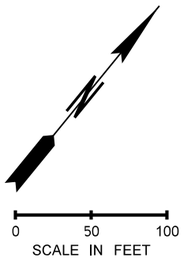
SHEET
273
OF
1456
SHEETS

AS-BUILT

NOTES:

1. SEE SHEET ED01 FOR TESC GENERAL NOTES AND CONSTRUCTION SEQUENCE.





ATKINSON
APR 03 2019 QSA
RELEASED FOR CONSTRUCTION

LEGEND

- RIGHT-OF-WAY LINE
- CUT — CUT LINE
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- GROUND COVER BMP
- COMPOST BERM
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- —F— FORCE MAIN

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TIME	8:30:35 AM				10	WASH	
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PLOTTED BY	AndrewM						
DESIGNED BY	J. ZIGWEID						
ENTERED BY	A. MAILLOUX	REV 0 - RFC	04/05/19		CONTRACT NO.	LOCATION NO.	
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	03/22/19		C9133		
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	08/02/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFERY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
04/05/19
DATE
P.E. STAMP BOX

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Washington State Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

EROSION CONTROL PLAN

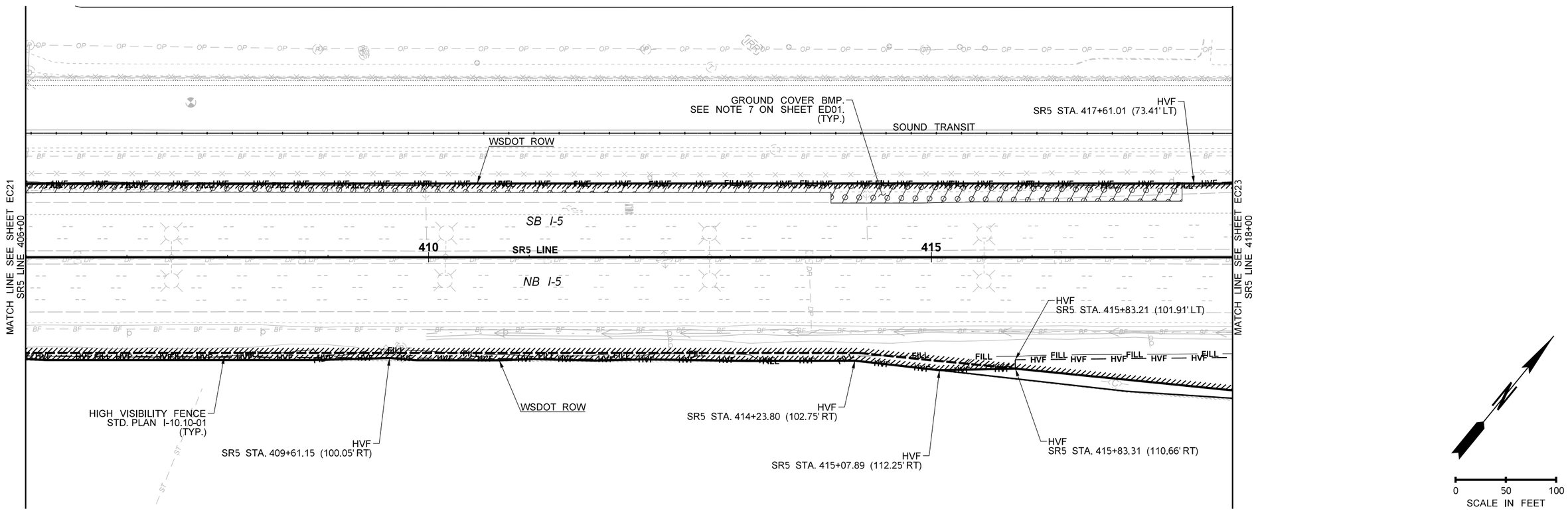
PLAN REF NO
EC21

SHEET 274 OF 1456 SHEETS

AS-BUILT

NOTES:

1. SEE SHEET ED01 FOR TESC GENERAL NOTES AND CONSTRUCTION SEQUENCE.



ATKINSON
APR 03 2019 QSA
RELEASED FOR CONSTRUCTION

LEGEND

	- RIGHT-OF-WAY LINE		- STABILIZED CONSTRUCTION ENTRANCE
CUT	- CUT LINE		- SANDBAG DAM
FILL	- FILL LINE	BIO	- BIODEGRADABLE CHECK DAM
CG CG	- CLEAR AND GRUB LINE		- COMPOST SOCK
SF SF	- SILT FENCE		- BAKER TANK AND PUMP
HVS HVS	- HIGH VISIBILITY SILT FENCE		- MONITORING LOCATION
HVF HVF	- HIGH VISIBILITY FENCE		- GROUND COVER BMP
ST ST	- TEMPORARY STORM PIPE		- COMPOST BERM
	- INTERCEPTOR SWALE		- DIRECTION OF OVERLAND FLOW
	- INLET PROTECTION	F	- FORCE MAIN
	- NON-PERMEABLE INLET COVER		

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TIME	8:33:11 AM				JOB NUMBER		
DATE	4/3/2019				CONTRACT NO. C9133		LOCATION NO.
PLOTTED BY	AndrewM						
DESIGNED BY	J. ZIGWEID						
ENTERED BY	A. MAILLOUX	REV 0 - RFC	04/05/19				
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	03/22/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	08/02/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
04/05/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON CONSTRUCTION / JACOBS

I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

EROSION CONTROL PLAN

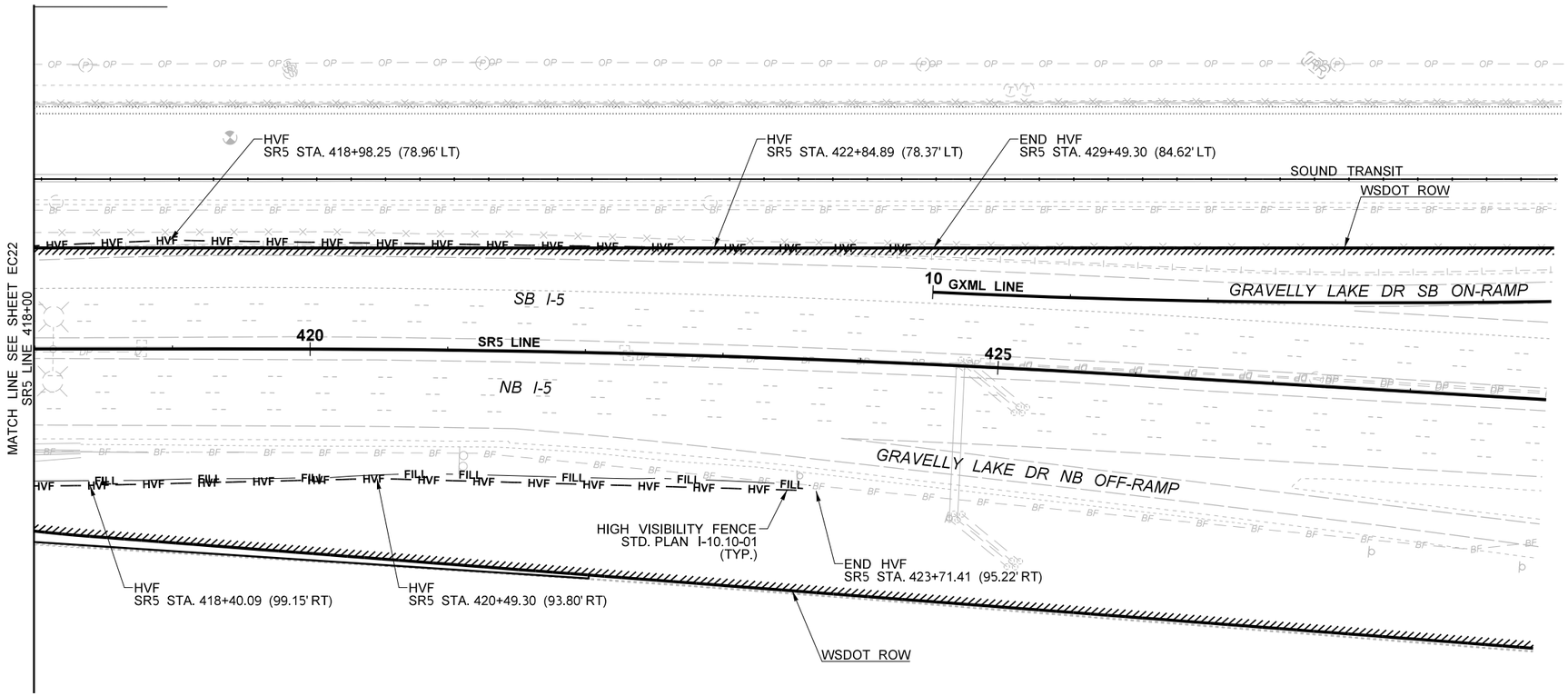
PLAN REF NO EC22

SHEET 275 OF 1456 SHEETS

AS-BUILT

NOTES:

1. SEE SHEET ED01 FOR TESC GENERAL NOTES AND CONSTRUCTION SEQUENCE.



0 50 100
SCALE IN FEET

ATKINSON
APR 03 2019 QSA
RELEASED FOR CONSTRUCTION

LEGEND

- RIGHT-OF-WAY LINE
- CUT — CUT LINE
- FILL — FILL LINE
- CG — CG — CLEAR AND GRUB LINE
- SF — SF — SILT FENCE
- HVS — HVS — HIGH VISIBILITY SILT FENCE
- HVF — HVF — HIGH VISIBILITY FENCE
- ST — ST — TEMPORARY STORM PIPE
- INTERCEPTOR SWALE
- INLET PROTECTION
- NON-PERMEABLE INLET COVER
- STABILIZED CONSTRUCTION ENTRANCE
- SANDBAG DAM
- BIO — BIODEGRADABLE CHECK DAM
- COMPOST SOCK
- BAKER TANK AND PUMP
- MONITORING LOCATION
- GROUND COVER BMP
- COMPOST BERM
- DIRECTION OF OVERLAND FLOW
- —F— FORCE MAIN

FILE NAME	c:\pwworking\jacobs_b&i\ex-mailloa\dms20633\PS_EC23.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	8:35:35 AM						
DATE	4/3/2019						
PLOTTED BY	AndrewM				JOB NUMBER		
DESIGNED BY	J. ZIGWEID						
ENTERED BY	A. MAILLOUX	REV 0 - RFC	04/05/19		CONTRACT NO. C9133		LOCATION NO.
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	03/22/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	08/02/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
04/05/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON CONSTRUCTION / JACOBS

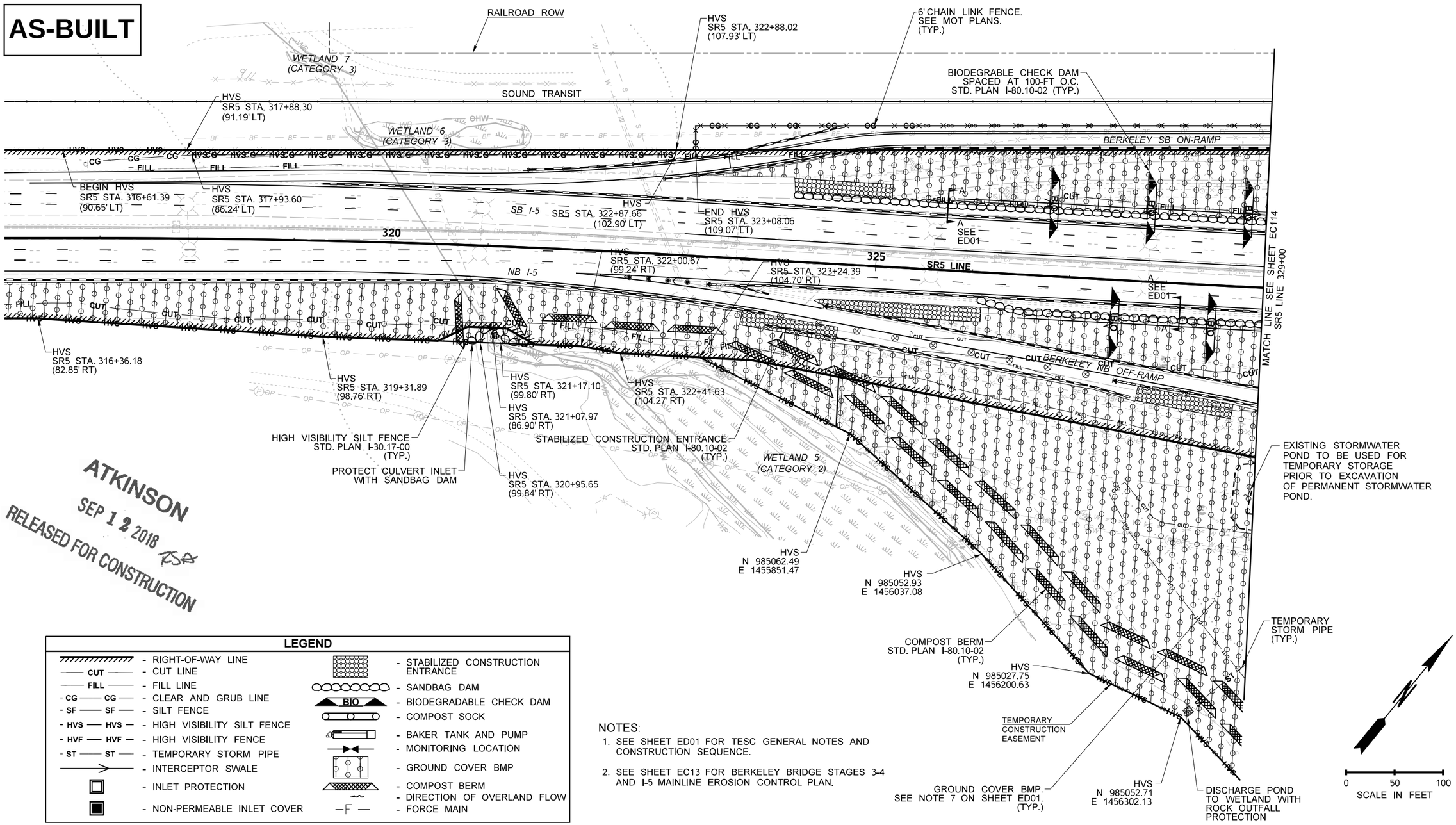
I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

EROSION CONTROL PLAN

PLAN REF NO EC23

SHEET 276 OF 1456 SHEETS

AS-BUILT



ATKINSON
SEP 12 2018
RELEASED FOR CONSTRUCTION

LEGEND

- RIGHT-OF-WAY LINE
- CUT — CUT LINE
- FILL — FILL LINE
- CG — CG — CLEAR AND GRUB LINE
- SF — SF — SILT FENCE
- HVS — HVS — HIGH VISIBILITY SILT FENCE
- HVF — HVF — HIGH VISIBILITY FENCE
- ST — ST — TEMPORARY STORM PIPE
- INTERCEPTOR SWALE
- INLET PROTECTION
- NON-PERMEABLE INLET COVER
- STABILIZED CONSTRUCTION ENTRANCE
- SANDBAG DAM
- BIO — BIODEGRADABLE CHECK DAM
- COMPOST SOCK
- BAKER TANK AND PUMP
- MONITORING LOCATION
- GROUND COVER BMP
- COMPOST BERM
- DIRECTION OF OVERLAND FLOW
- —F— FORCE MAIN

NOTES:

1. SEE SHEET ED01 FOR TESC GENERAL NOTES AND CONSTRUCTION SEQUENCE.
2. SEE SHEET EC13 FOR BERKELEY BRIDGE STAGES 3-4 AND I-5 MAINLINE EROSION CONTROL PLAN.

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TIME	10:25:14 AM				JOB NUMBER		
DATE	9/7/2018				CONTRACT NO. C9133		LOCATION NO.
PLOTTED BY	GRimando						
DESIGNED BY	J. ZIGWEID						
ENTERED BY	A. MAILLOUX	REV 0 - RFC	09/10/18				
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	08/30/18				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	08/02/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 31141 — REGISTERED PROFESSIONAL ENGINEER
09/10/18
P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

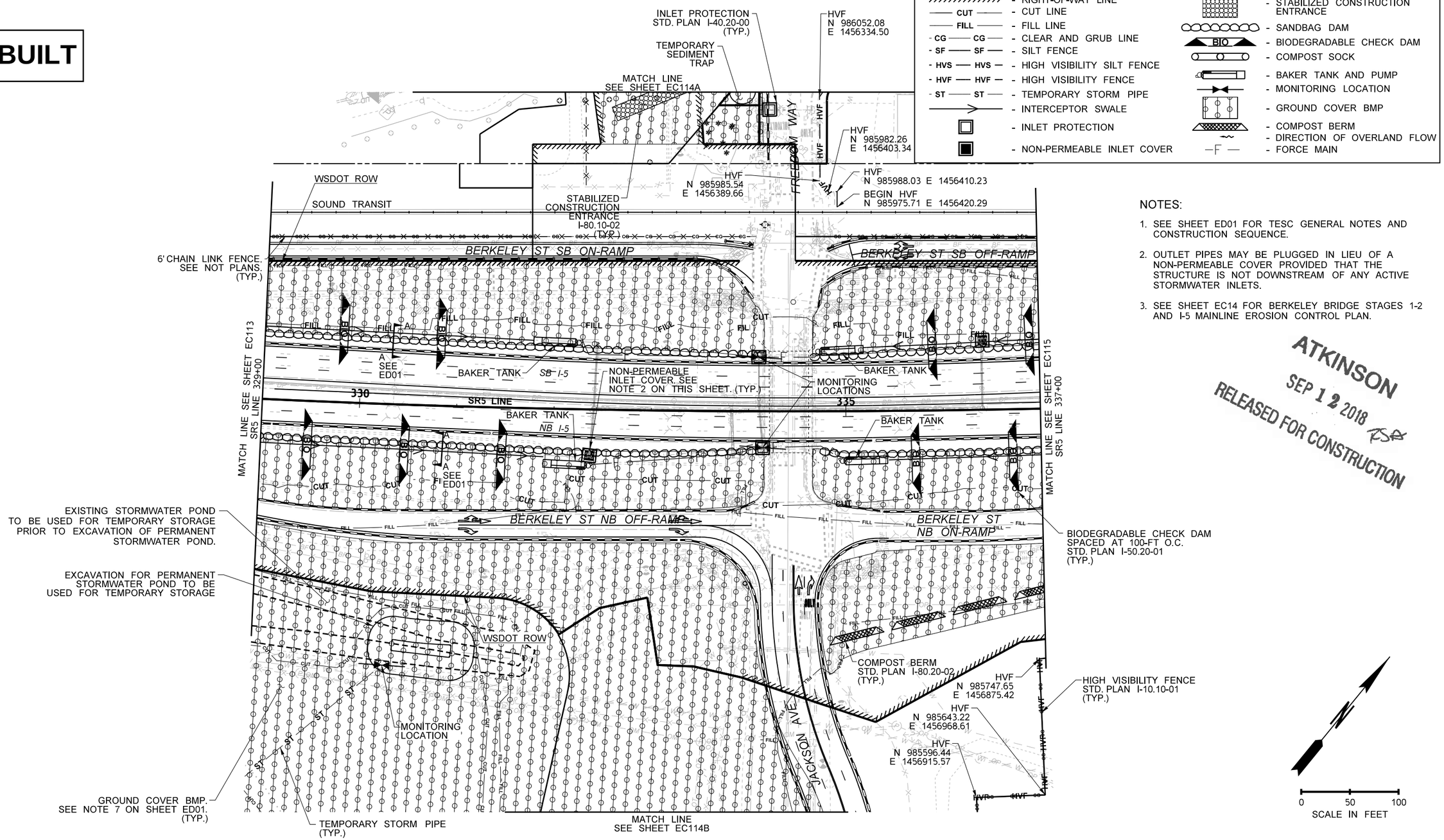
I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

BERKELEY BRIDGE STAGES 1-2 EROSION CONTROL PLAN

PLAN REF NO EC113

SHEET 277 OF 1456 SHEETS

AS-BUILT



LEGEND

- RIGHT-OF-WAY LINE
- CUT — CUT LINE
- FILL — FILL LINE
- CG — CG — CLEAR AND GRUB LINE
- SF — SF — SILT FENCE
- HVS — HVS — HIGH VISIBILITY SILT FENCE
- HVF — HVF — HIGH VISIBILITY FENCE
- ST — ST — TEMPORARY STORM PIPE
- INTERCEPTOR SWALE
- INLET PROTECTION
- NON-PERMEABLE INLET COVER
- STABILIZED CONSTRUCTION ENTRANCE
- SANDBAG DAM
- BIO — BIODEGRADABLE CHECK DAM
- COMPOST SOCK
- BAKER TANK AND PUMP
- MONITORING LOCATION
- GROUND COVER BMP
- COMPOST BERM
- DIRECTION OF OVERLAND FLOW
- —F— FORCE MAIN

NOTES:

1. SEE SHEET ED01 FOR TESC GENERAL NOTES AND CONSTRUCTION SEQUENCE.
2. OUTLET PIPES MAY BE PLUGGED IN LIEU OF A NON-PERMEABLE COVER PROVIDED THAT THE STRUCTURE IS NOT DOWNSTREAM OF ANY ACTIVE STORMWATER INLETS.
3. SEE SHEET EC14 FOR BERKELEY BRIDGE STAGES 1-2 AND I-5 MAINLINE EROSION CONTROL PLAN.

ATKINSON
SEP 12 2018
RELEASED FOR CONSTRUCTION

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TIME	10:21:14 AM				JOB NUMBER		
DATE	9/7/2018				CONTRACT NO. C9133		LOCATION NO.
PLOTTED BY	GRimando						
DESIGNED BY	J. ZIGWEID						
ENTERED BY	A. MAILLOUX	REV 0 - RFC	09/10/18				
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	08/30/18				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	08/02/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFERY D. ZIGWEID — STATE OF WASHINGTON — 51142 — REGISTERED PROFESSIONAL ENGINEER
09/10/18
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

BERKELEY BRIDGE STAGES 1-2 EROSION CONTROL PLAN

PLAN REF NO **EC114**

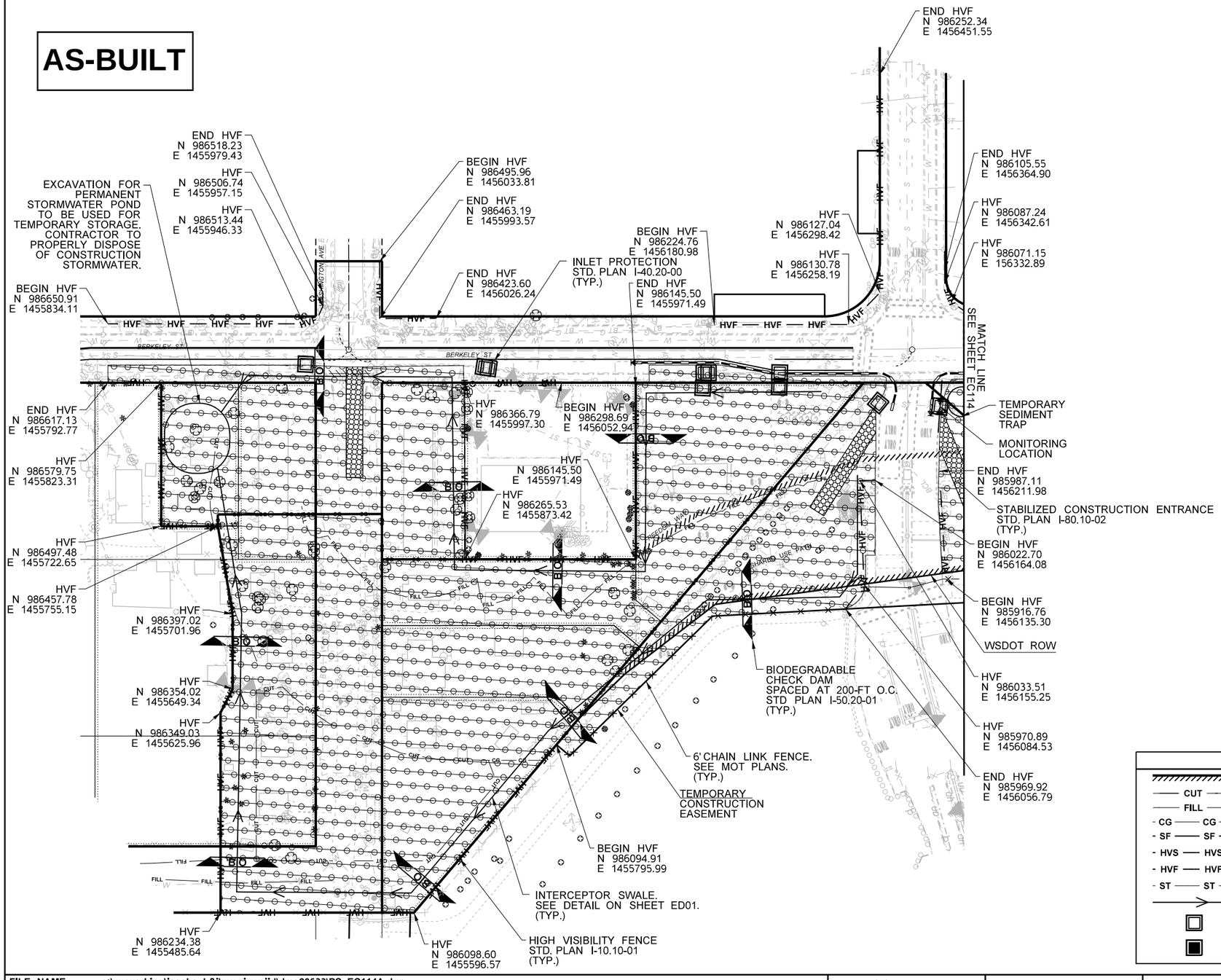
SHEET 278 OF 1456 SHEETS

AS-BUILT

NOTES:

1. SEE SHEET ED01 FOR TESC GENERAL NOTES AND CONSTRUCTION SEQUENCE.
2. SEE SHEET EC14A FOR BERKELEY BRIDGE STAGES 3-4 EROSION CONTROL PLAN.

ATKINSON
SEP 12 2018
RELEASED FOR CONSTRUCTION



LEGEND

- RIGHT-OF-WAY LINE
- CUT — CUT LINE
- FILL — FILL LINE
- CG — CG — CLEAR AND GRUB LINE
- SF — SF — SILT FENCE
- HVS — HVS — HIGH VISIBILITY SILT FENCE
- HVF — HVF — HIGH VISIBILITY FENCE
- ST — ST — TEMPORARY STORM PIPE
- INTERCEPTOR SWALE
- INLET PROTECTION
- NON-PERMEABLE INLET COVER
- STABILIZED CONSTRUCTION ENTRANCE
- SANDBAG DAM
- BIO — BIODEGRADABLE CHECK DAM
- COMPOST SOCK
- BAKER TANK AND PUMP
- MONITORING LOCATION
- GROUND COVER BMP
- COMPOST BERM
- DIRECTION OF OVERLAND FLOW
- —F— FORCE MAIN

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TIME	2:06:46 PM						
DATE	9/7/2018				JOB NUMBER		
PLOTTED BY	JZigweid						
DESIGNED BY	J. ZIGWEID						
ENTERED BY	A. MAILLOUX	REV 0 - RFC	09/10/18		CONTRACT NO. C9133	LOCATION NO.	
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	08/30/18				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	08/02/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 51145 — REGISTERED PROFESSIONAL ENGINEER
09/10/18
DATE
P.E. STAMP BOX

DATE
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Washington State Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

BERKELEY BRIDGE STAGES 1-2 EROSION CONTROL PLAN

PLAN REF NO EC114A

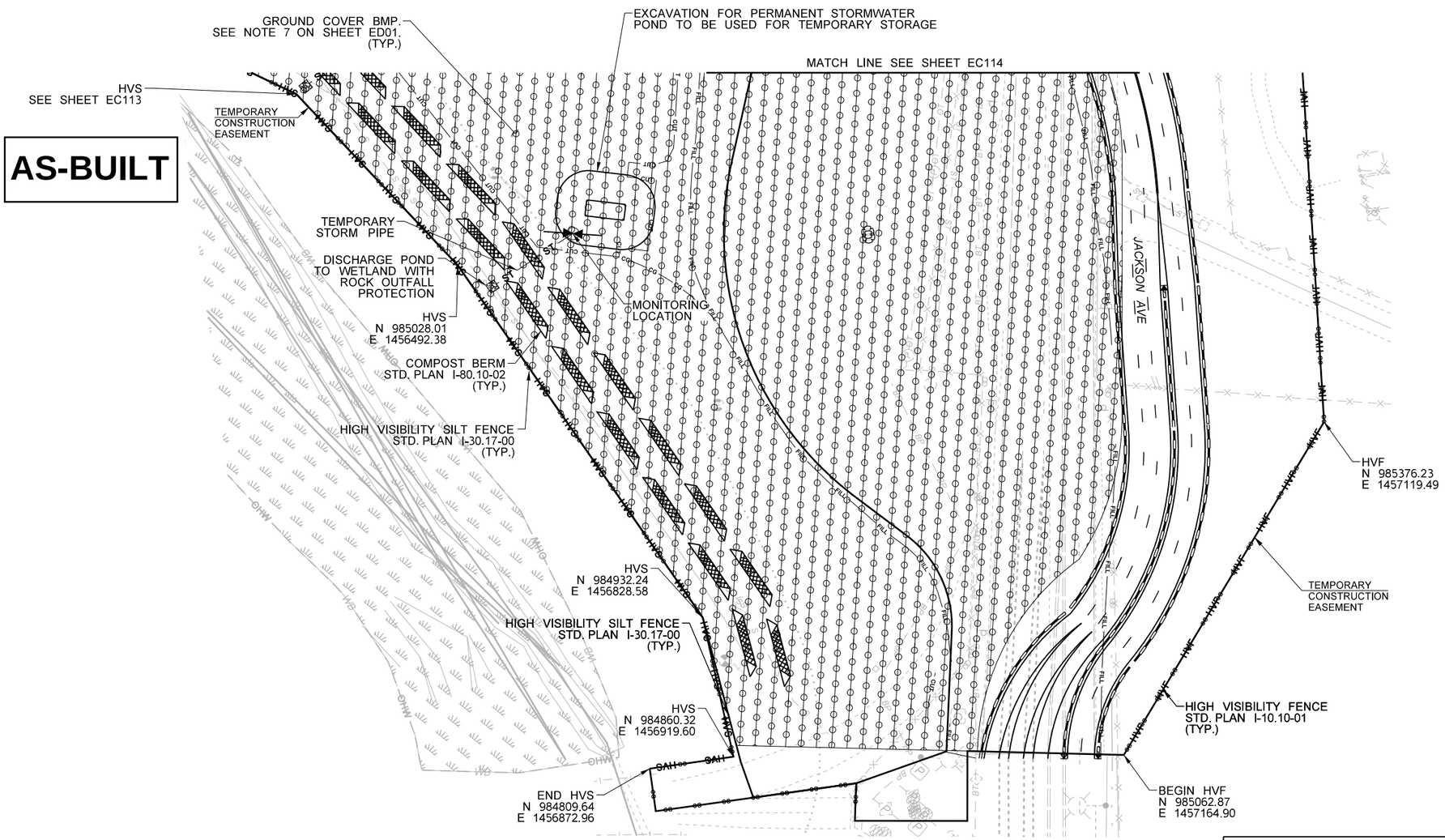
SHEET 279 OF 1456 SHEETS

NOTES:

1. SEE SHEET ED01 FOR TESC GENERAL NOTES AND CONSTRUCTION SEQUENCE.
2. SEE SHEET EC14B FOR BERKELEY BRIDGE STAGES 3-4 EROSION CONTROL PLAN.

ATKINSON
SEP 12 2018
RELEASED FOR CONSTRUCTION

AS-BUILT



LEGEND

- RIGHT-OF-WAY LINE	- STABILIZED CONSTRUCTION ENTRANCE
CUT - CUT LINE	- SANDBAG DAM
FILL - FILL LINE	BIO - BIODEGRADABLE CHECK DAM
CG CG - CLEAR AND GRUB LINE	- COMPOST SOCK
SF SF - SILT FENCE	- BAKER TANK AND PUMP
HVS HVS - HIGH VISIBILITY SILT FENCE	- MONITORING LOCATION
HVF HVF - HIGH VISIBILITY FENCE	- GROUND COVER BMP
ST ST - TEMPORARY STORM PIPE	- COMPOST BERM
- INTERCEPTOR SWALE	- DIRECTION OF OVERLAND FLOW
- INLET PROTECTION	F - FORCE MAIN
- NON-PERMEABLE INLET COVER	

FILE NAME	c:\pwworking\jacobs_b&i\pw-rimandgr\dms20633\PS_EC114B.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
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DATE	9/7/2018						
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DESIGNED BY	J. ZIGWEID				JOB NUMBER		
ENTERED BY	A. MAILLOUX	REV 0 - RFC	09/10/18				
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	08/30/18		CONTRACT NO. C9133		LOCATION NO.
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	08/02/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
09/10/18
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON CONSTRUCTION / JACOBS

I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

BERKELEY BRIDGE STAGES 1-2 EROSION CONTROL PLAN

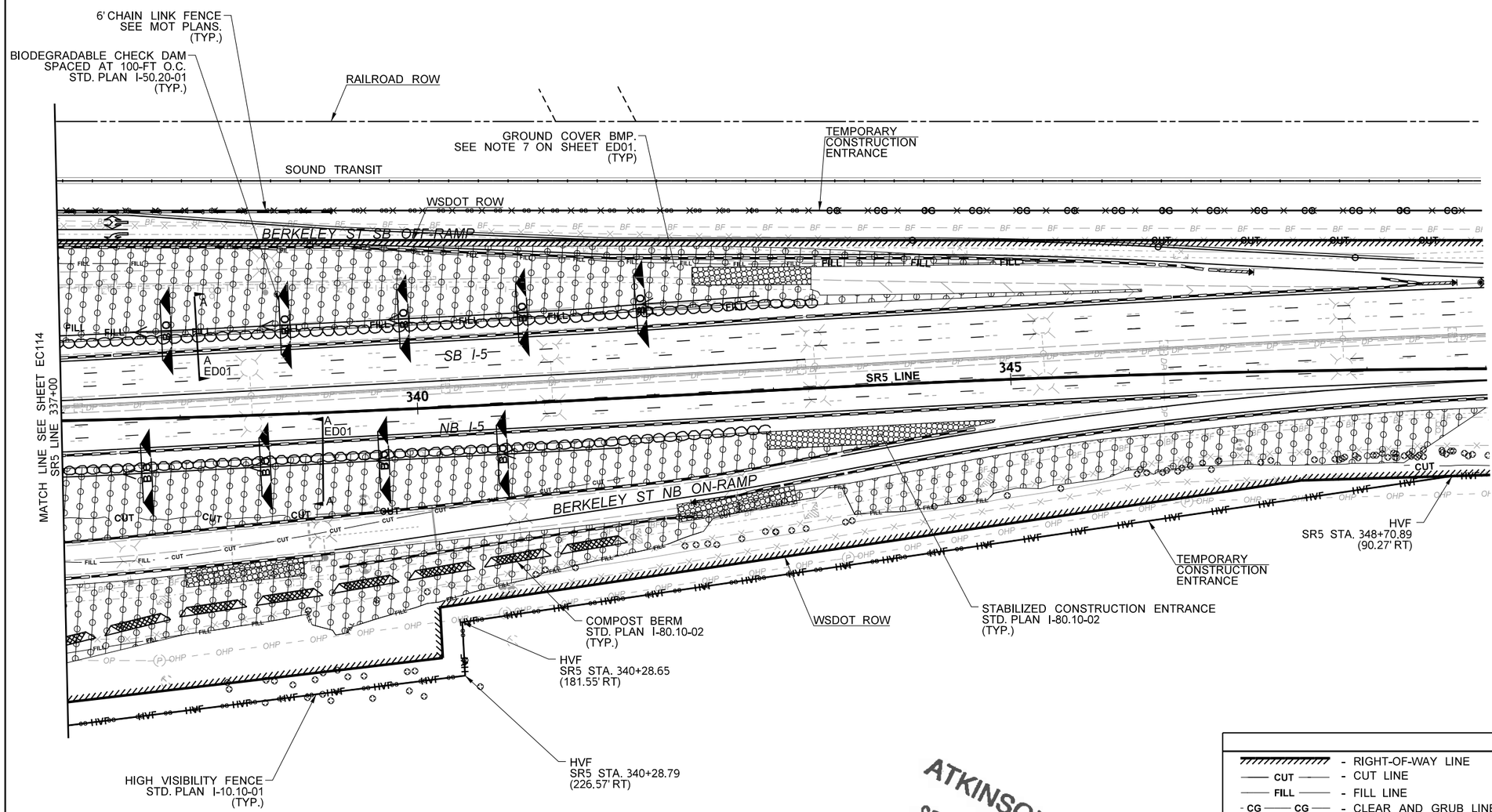
PLAN REF NO EC114B

SHEET 280 OF 1456 SHEETS

AS-BUILT

NOTES:

1. SEE SHEET ED01 FOR TESC GENERAL NOTES AND CONSTRUCTION SEQUENCE.
2. SEE SHEET EC15 FOR BERKELEY BRIDGE STAGES 3-4 AND I-5 MAINLINE EROSION CONTROL PLAN.



ATKINSON
SEP 12 2018
RELEASED FOR CONSTRUCTION

LEGEND

RIGHT-OF-WAY LINE	STABILIZED CONSTRUCTION ENTRANCE
CUT — CUT LINE	SANDBAG DAM
FILL — FILL LINE	BIO — BIODEGRADABLE CHECK DAM
CG — CG — CLEAR AND GRUB LINE	COMPOST SOCK
SF — SF — SILT FENCE	BAKER TANK AND PUMP
HVS — HVS — HIGH VISIBILITY SILT FENCE	MONITORING LOCATION
HVF — HVF — HIGH VISIBILITY FENCE	GROUND COVER BMP
ST — ST — TEMPORARY STORM PIPE	COMPOST BERM
INTERCEPTOR SWALE	DIRECTION OF OVERLAND FLOW
INLET PROTECTION	F — FORCE MAIN
NON-PERMEABLE INLET COVER	

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TIME	10:08:38 AM				JOB NUMBER		
DATE	9/7/2018						
PLOTTED BY	GRimando						
DESIGNED BY	J. ZIGWEID						
ENTERED BY	A. MAILLOUX	REV 0 - RFC	09/10/18		CONTRACT NO. C9133		LOCATION NO.
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	08/30/18				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	08/02/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

09/10/18
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

BERKELEY BRIDGE STAGES 1-2 EROSION CONTROL PLAN

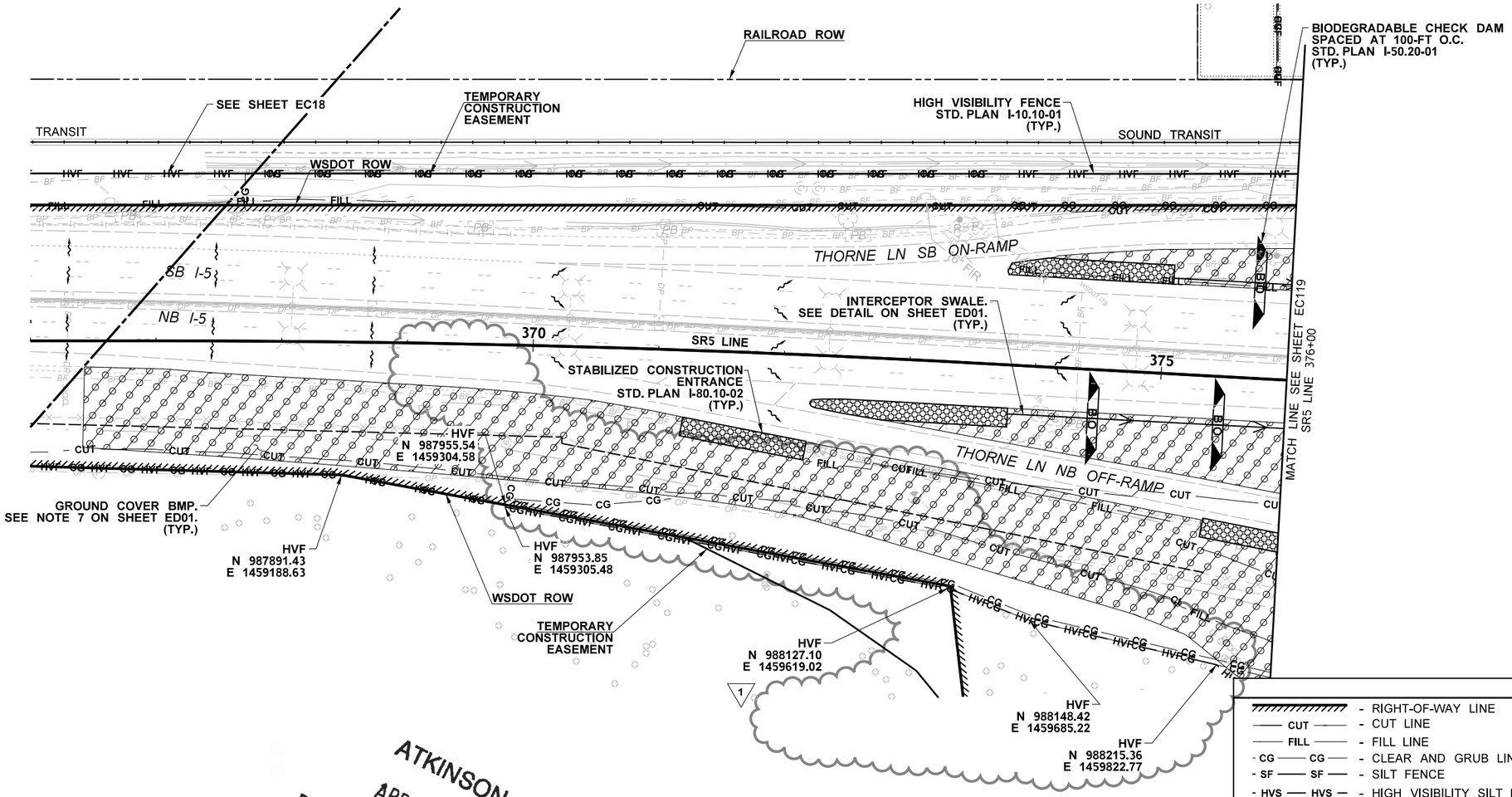
PLAN REF NO EC115

SHEET 281 OF 1456 SHEETS

AS-BUILT

NOTES:

1. SEE SHEET ED01 FOR TESC GENERAL NOTES AND CONSTRUCTION SEQUENCE.
2. SEE SHEET EC18 FOR THORNE BRIDGE STAGES 3-4 AND I-5 MAINLINE EROSION CONTROL PLAN.



LEGEND

- RIGHT-OF-WAY LINE
- CUT LINE
- FILL LINE
- CLEAR AND GRUB LINE
- SILT FENCE
- HIGH VISIBILITY SILT FENCE
- HIGH VISIBILITY FENCE
- TEMPORARY STORM PIPE
- INTERCEPTOR SWALE
- INLET PROTECTION
- NON-PERMEABLE INLET COVER
- STABILIZED CONSTRUCTION ENTRANCE
- SANDBAG DAM
- BIODEGRADABLE CHECK DAM
- COMPOST SOCK
- BAKER TANK AND PUMP
- MONITORING LOCATION
- GROUND COVER BMP
- COMPOST BERM
- DIRECTION OF OVERLAND FLOW
- FORCE MAIN

ATKINSON
APR 03 2019
RELEASED FOR CONSTRUCTION

FILE NAME	c:\pwworking\jacobs_b&i\ex-mailloa\dms20633\PS_EC118.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	8:38:30 AM						
DATE	4/3/2019				JOB NUMBER		
PLOTTED BY	AndrewM	REV 1 - RFC	04/05/19				
DESIGNED BY	J. ZIGWEID	REV C - FINAL REVIEW	03/25/19				
ENTERED BY	A. MAILLOUX	REV 0 - RFC	01/25/19				
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	01/09/19		CONTRACT NO. C9133		LOCATION NO.
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	08/02/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

STATE OF WASHINGTON — JEFFREY D. ZIGWEID — 51141 — REGISTERED PROFESSIONAL ENGINEER
04/05/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON CONSTRUCTION / JACOBS

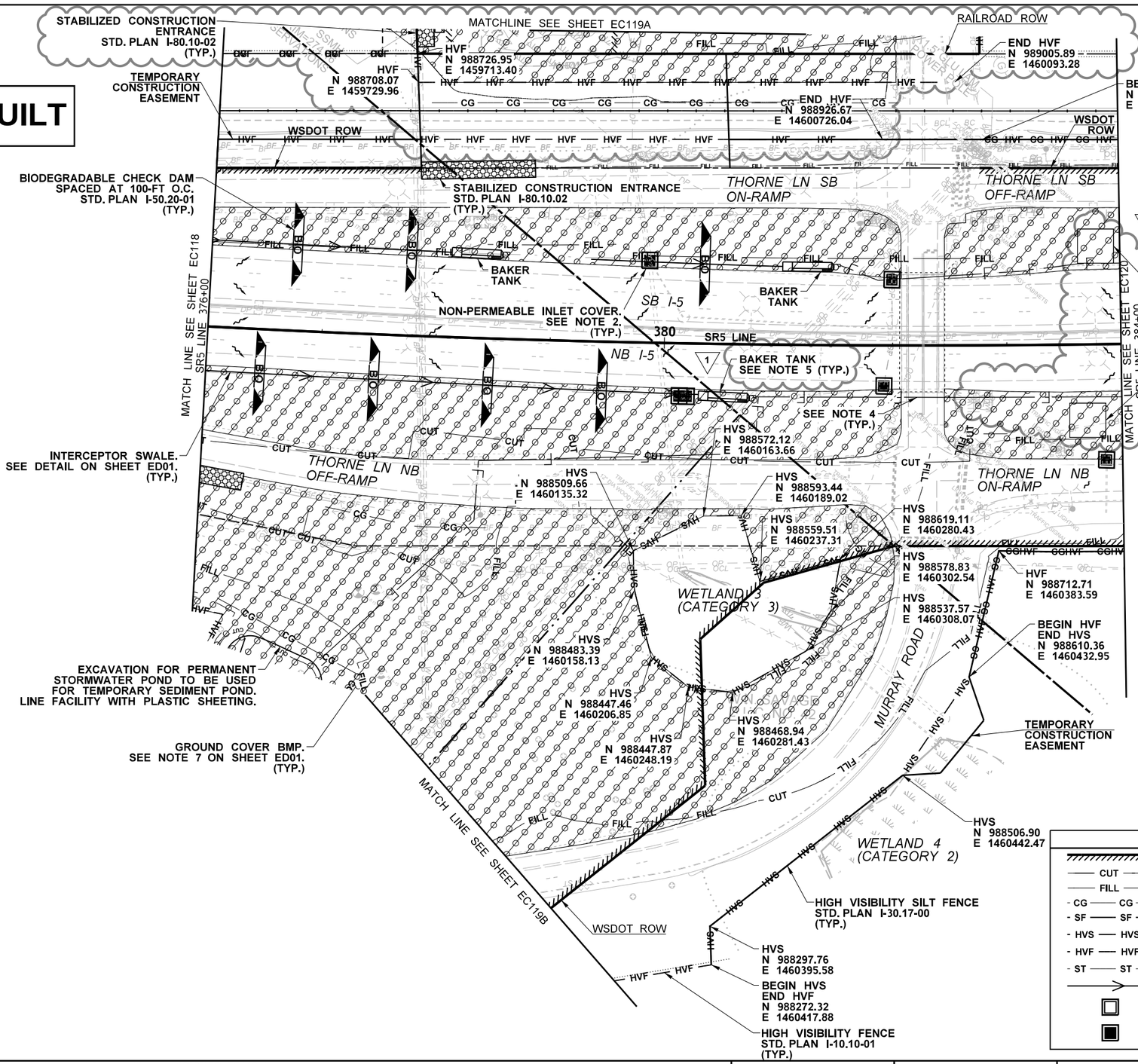
I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

THORNE BRIDGE STAGES 1-2 EROSION CONTROL PLAN

PLAN REF NO EC118

SHEET 282 OF 1456 SHEETS

AS-BUILT



NOTES:

1. SEE SHEET ED01 FOR TESC GENERAL NOTES AND CONSTRUCTION SEQUENCE.
2. OUTLET PIPES MAYBE PLUGGED IN LIEU OF A NON-PERMEABLE COVER PROVIDED THAT THE STRUCTURE IS NOT DOWNSTREAM OF ANY ACTIVE STORMWATER INLETS.
3. SEE SHEET EC19 FOR BERKELEY BRIDGE STAGES 3-4 AND I-5 MAINLINE EROSION CONTROL PLAN.
4. PUMP BAKER ANKS TO STORMWATER POND. SLEEVE FORCE MAIN THROUGH EXISTING STORM PIPES AS NECESSARY.
5. PROVIDE BAKER TANKS AS NEEDED.

ATKINSON
APR 03 2019
RELEASED FOR CONSTRUCTION

0 50 100
SCALE IN FEET

LEGEND

- RIGHT-OF-WAY LINE
- CUT — CUT LINE
- FILL — FILL LINE
- CG — CG — CLEAR AND GRUB LINE
- SF — SF — SILT FENCE
- HVS — HVS — HIGH VISIBILITY SILT FENCE
- HVF — HVF — HIGH VISIBILITY FENCE
- ST — ST — TEMPORARY STORM PIPE
- INTERCEPTOR SWALE
- INLET PROTECTION
- NON-PERMEABLE INLET COVER
- STABILIZED CONSTRUCTION ENTRANCE
- SANDBAG DAM
- BIO — BIODEGRADABLE CHECK DAM
- COMPOST SOCK
- BAKER TANK AND PUMP
- MONITORING LOCATION
- GROUND COVER BMP
- COMPOST BERM
- DIRECTION OF OVERLAND FLOW
- —F— FORCE MAIN

FILE NAME	c:\pwworking\jacobs_b&i\ex-mailloa\dms20633\PS_EC119.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	8:42:35 AM				10	WASH	
DATE	4/3/2019				JOB NUMBER		
PLOTTED BY	AndrewM	REV 1 - RFC	04/05/19				
DESIGNED BY	J. ZIGWEID	REV C - FINAL REVIEW	03/22/19		CONTRACT NO.		LOCATION NO.
ENTERED BY	A. MAILLOUX	REV 0 - RFC	01/25/19		C9133		
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	01/09/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	08/02/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 21142 — REGISTERED PROFESSIONAL ENGINEER
04/05/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

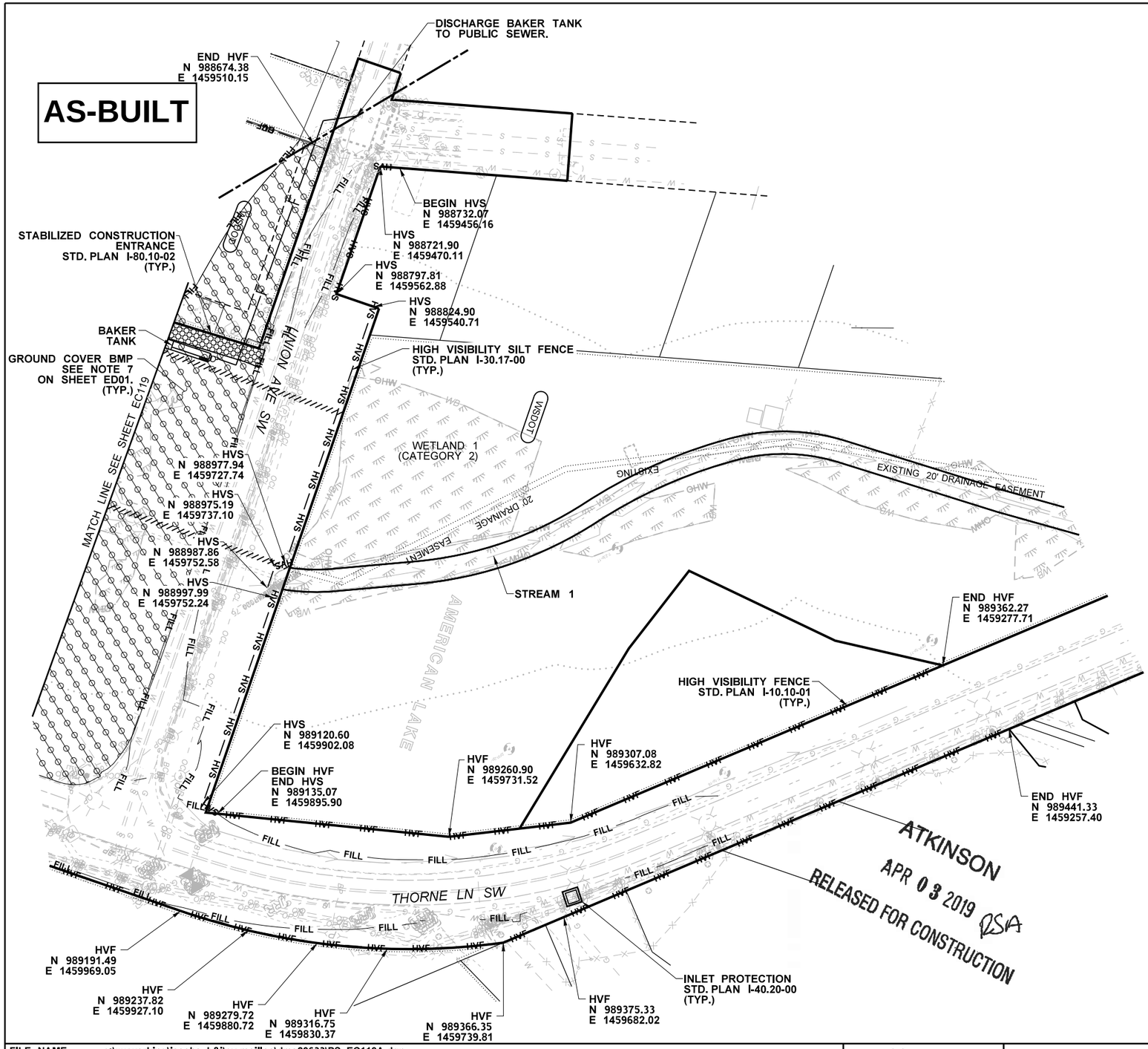
I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

THORNE BRIDGE STAGES 1-2
EROSION CONTROL PLAN

PLAN REF NO
EC119

SHEET 283 OF 1456 SHEETS

AS-BUILT



NOTES:

1. SEE SHEET ED01 FOR TESC GENERAL NOTES AND CONSTRUCTION SEQUENCE.
2. SEE SHEET EC19A FOR THORNE BRIDGE STAGES 3-4 EROSION CONTROL PLAN.

LEGEND

- RIGHT-OF-WAY LINE	- STABILIZED CONSTRUCTION ENTRANCE
CUT - CUT LINE	- SANDBAG DAM
FILL - FILL LINE	BIO - BIODEGRADABLE CHECK DAM
CG CG - CLEAR AND GRUB LINE	- COMPOST SOCK
SF SF - SILT FENCE	- BAKER TANK AND PUMP
HVS HVS - HIGH VISIBILITY SILT FENCE	- MONITORING LOCATION
HVF HVF - HIGH VISIBILITY FENCE	- GROUND COVER BMP
ST ST - TEMPORARY STORM PIPE	- COMPOST BERM
- INTERCEPTOR SWALE	- DIRECTION OF OVERLAND FLOW
- INLET PROTECTION	-F- - FORCE MAIN
- NON-PERMEABLE INLET COVER	

FILE NAME	c:\pwworking\jacobs_b&i\ex-mailloa\dms20633\PS_EC119A.dgn						
TIME	8:46:30 AM						
DATE	4/3/2019						
PLOTTED BY	AndrewM						
DESIGNED BY	J. ZIGWEID						
ENTERED BY	A. MAILLOUX	REV 0 - RFC	04/05/19				
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	03/22/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	08/02/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER		
CONTRACT NO.		LOCATION NO.
C9133		

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER

04/05/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON CONSTRUCTION / JACOBS

I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

THORNE BRIDGE STAGES 1-2 EROSION CONTROL PLAN

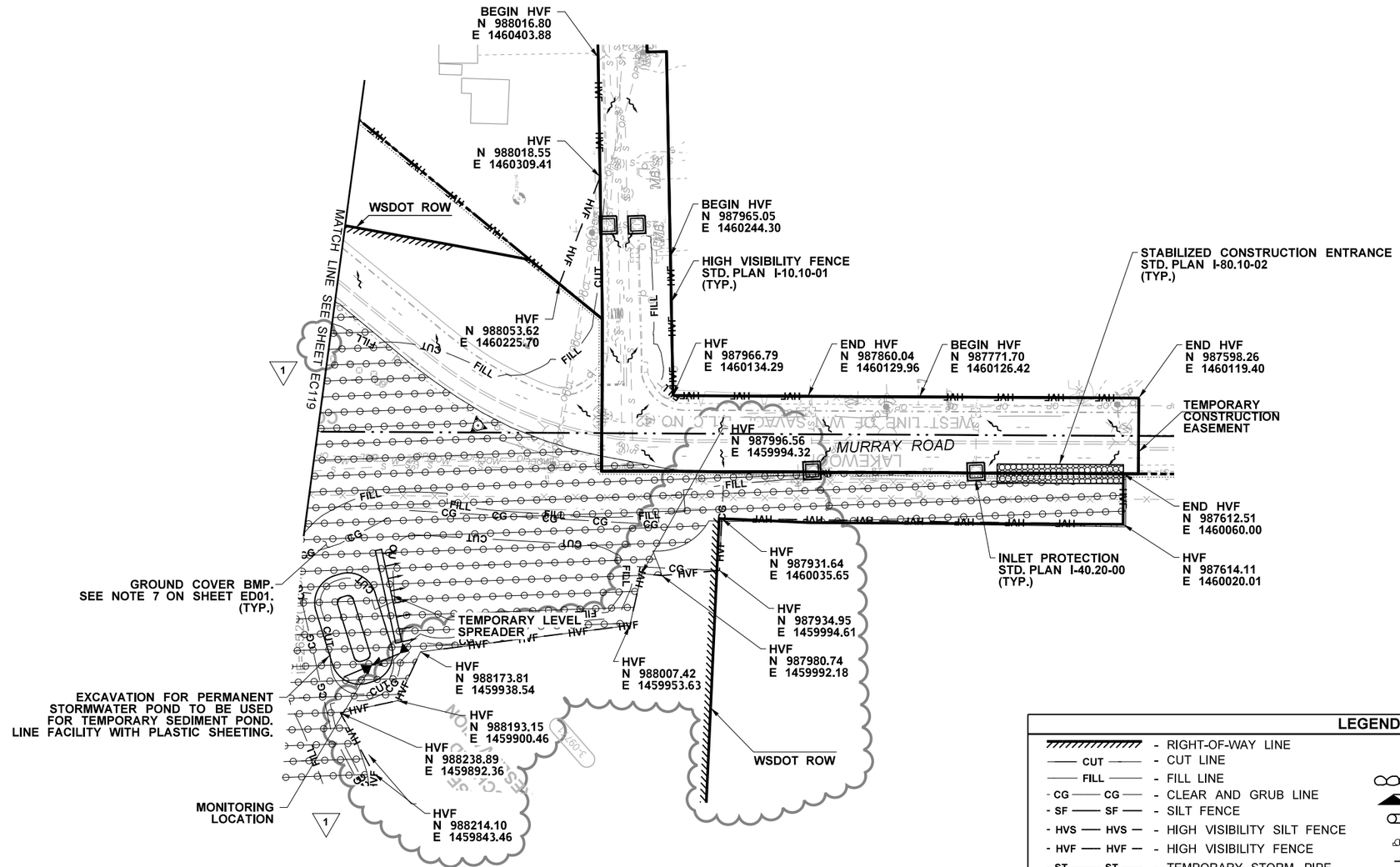
PLAN REF NO
EC119A

SHEET 284 OF 1456 SHEETS

AS-BUILT

NOTES:

1. SEE SHEET ED01 FOR TESC GENERAL NOTES AND CONSTRUCTION SEQUENCE.
2. SEE SHEET EC19B FOR THORNE BRIDGE STAGES 3-4 EROSION CONTROL PLAN.



LEGEND

- RIGHT-OF-WAY LINE
- CUT LINE
- FILL LINE
- CLEAR AND GRUB LINE
- SILT FENCE
- HIGH VISIBILITY SILT FENCE
- HIGH VISIBILITY FENCE
- TEMPORARY STORM PIPE
- INTERCEPTOR SWALE
- INLET PROTECTION
- NON-PERMEABLE INLET COVER
- STABILIZED CONSTRUCTION ENTRANCE
- SANDBAG DAM
- BIODEGRADABLE CHECK DAM
- COMPOST SOCK
- BAKER TANK AND PUMP
- MONITORING LOCATION
- GROUND COVER BMP
- COMPOST BERM
- DIRECTION OF OVERLAND FLOW
- FORCE MAIN

ATKINSON
APR 03 2019 QSA
RELEASED FOR CONSTRUCTION

FILE NAME	c:\pwworking\jacobs_b&i\ex-mailloa\dms20633\PS_EC119B.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	8:49:14 AM				10	WASH	
DATE	4/3/2019				JOB NUMBER		
PLOTTED BY	AndrewM	REV 1 - RFC	04/05/19				
DESIGNED BY	J. ZIGWEID	REV C - FINAL REVIEW	03/25/19		CONTRACT NO.	LOCATION NO.	
ENTERED BY	A. MAILLOUX	REV 0 - RFC	01/25/19		C9133		
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	01/09/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	08/02/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 31141 — REGISTERED PROFESSIONAL ENGINEER
04/05/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

THORNE BRIDGE STAGES 1-2
EROSION CONTROL PLAN

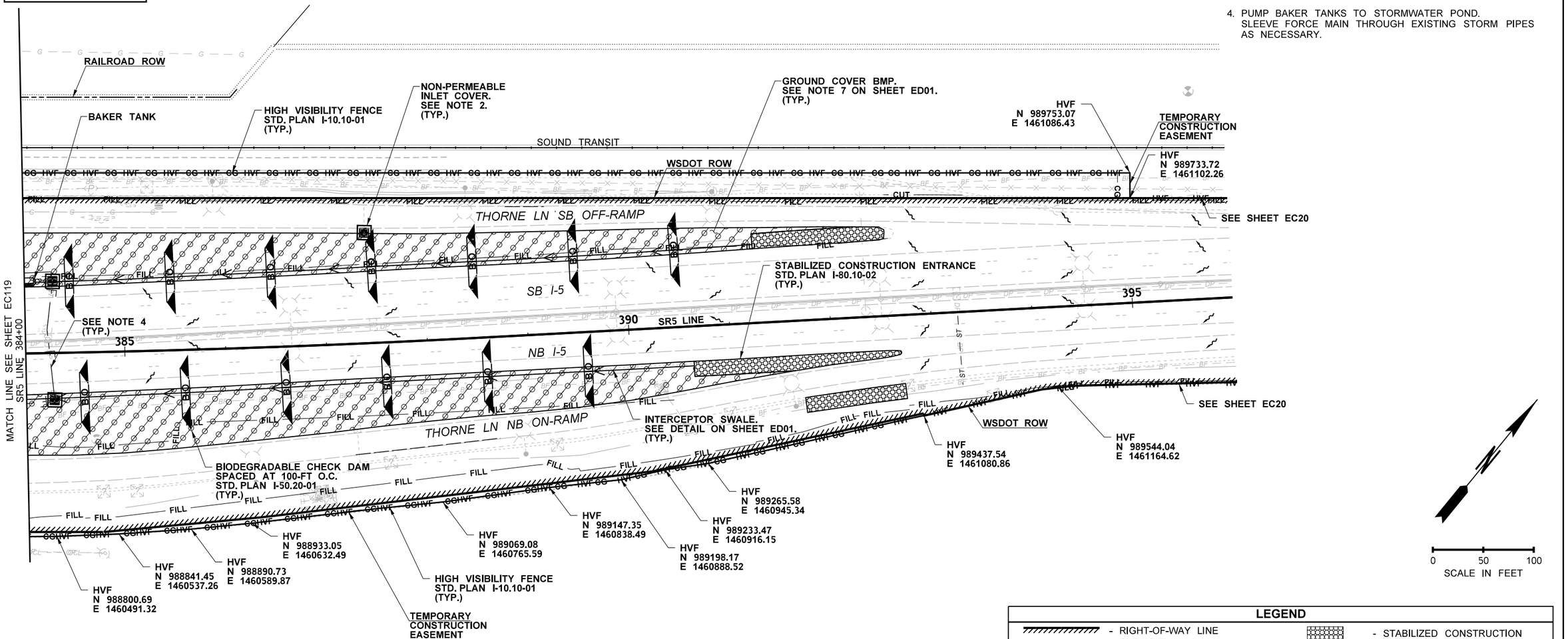
PLAN REF NO
EC119B

SHEET
285
OF
1456
SHEETS

AS-BUILT

NOTES:

1. SEE SHEET ED01 FOR TESC GENERAL NOTES AND CONSTRUCTION SEQUENCE.
2. OUTLET PIPES MAY BE PLUGGED IN LIEU OF A NON-PERMEABLE COVER PROVIDED THE STRUCTURE IS NOT DOWNSTREAM OF ANY ACTIVE STORMWATER INLETS.
3. SEE SHEET EC20 FOR THORNE BRIDGE STAGES 3-4 AND I-5 MAINLINE EROSION CONTROL PLAN.
4. PUMP BAKER TANKS TO STORMWATER POND. SLEEVE FORCE MAIN THROUGH EXISTING STORM PIPES AS NECESSARY.



ATKINSON
JAN 28 2019
RELEASED FOR CONSTRUCTION
RSA

LEGEND

	RIGHT-OF-WAY LINE		STABILIZED CONSTRUCTION ENTRANCE
CUT	CUT LINE		SANDBAG DAM
FILL	FILL LINE	BIO	BIODEGRADABLE CHECK DAM
CG CG	CLEAR AND GRUB LINE		COMPOST SOCK
SF SF	SILT FENCE		BAKER TANK AND PUMP
HVS HVS	HIGH VISIBILITY SILT FENCE		MONITORING LOCATION
HVF HVF	HIGH VISIBILITY FENCE		GROUND COVER BMP
ST ST	TEMPORARY STORM PIPE		COMPOST BERM
	INTERCEPTOR SWALE		DIRECTION OF OVERLAND FLOW
	INLET PROTECTION	F	FORCE MAIN
	NON-PERMEABLE INLET COVER		

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DATE	1/28/2019				JOB NUMBER		
PLOTTED BY	JZigweid						
DESIGNED BY	J. ZIGWEID						
ENTERED BY	A. MAILLOUX	REV 0 - RFC	01/25/19		CONTRACT NO.		LOCATION NO.
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	01/09/19		C9133		
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	08/02/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 31141 — REGISTERED PROFESSIONAL ENGINEER
01/25/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

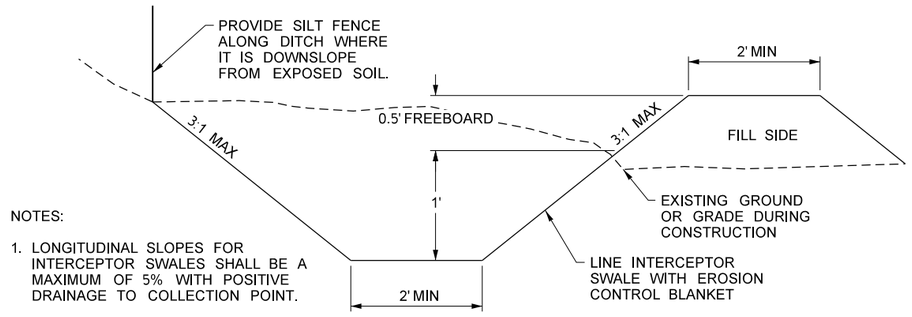
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

THORNE BRIDGE STAGES 1-2 EROSION CONTROL PLAN

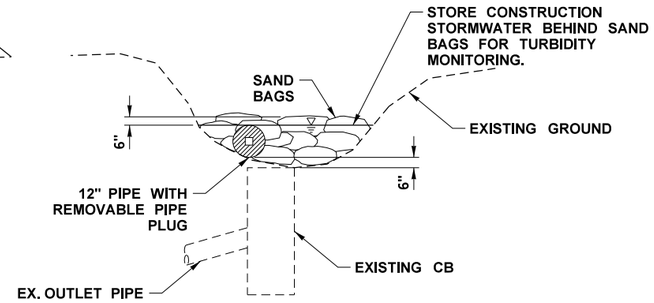
PLAN REF NO
EC120

SHEET 286 OF 1456 SHEETS



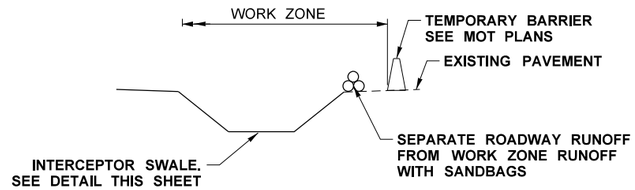
INTERCEPTOR SWALE DETAIL

N.T.S.



SANDBAG DAM WITH OUTLET DETAIL

N.T.S.



SECTION A-A

N.T.S.

AS-BUILT

ATKINSON
SEP 12 2018
RELEASED FOR CONSTRUCTION

TEMPORARY EROSION AND SEDIMENT CONTROL GENERAL NOTES:

1. THE BOUNDARIES OF THE CLEARING LIMITS ARE IDENTIFIED ON THE SITE PREP PLAN AND THE EXTENT OF THE CUT/FILL BOUNDARY. LIMITS OF WORK SHALL BE STAKED AND TEMPORARY SILT FENCES AND HIGH VISIBILITY FENCES SHALL BE INSTALLED PRIOR TO THE START OF EARTH DISTURBING ACTIVITIES. DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE CLEARING LIMITS SHALL BE PERMITTED. THE CLEARING LIMITS SHALL BE CLEARLY DEFINED WITH SILT FENCE AND HIGH VISIBILITY FENCE AS NEEDED AND SHALL BE MAINTAINED BY THE CONTRACTOR FOR THE DURATION OF CONSTRUCTION.
2. THE CONTRACTOR SHALL USE PROPER EROSION AND SEDIMENT CONTROL PRACTICES ON THE CONSTRUCTION SITE AND ADJACENT CONSTRUCTION STAGING AREAS TO PREVENT EROSION IN AND DOWNHILL OF DISTURBED AREAS, AND TO PREVENT THE DISCHARGE OF UPLAND SEDIMENTS OR SEDIMENT-LADEN WATER INTO WETLANDS, WATER BODIES AND LOCAL DRAINAGE SYSTEMS.
3. THE CONTRACTOR SHALL INSTALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES (BMPS) PRIOR TO PERFORMING ANY CLEARING, GRADING OR OTHER EARTH DISTURBING ACTIVITIES AT THE PROJECT SITE.
4. THE MEASURES ON THESE PLANS ARE THE MINIMUM THAT ARE REQUIRED FOR THE ANTICIPATED SITE CONDITIONS. THE CONTRACTOR WILL PROVIDE ADDITIONAL MEASURES AS NEEDED DUE TO WEATHER, FIELD CONDITIONS, AND/OR CONSTRUCTION ACTIVITIES.
5. THE CONTRACTOR SHALL NOT DISCHARGE TURBID WATER GENERATED FROM CONSTRUCTION ACTIVITIES DIRECTLY TO ANY STREAMS, STORMWATER SYSTEM INLETS, OR DRAINAGE DITCHES BEFORE THE SOLIDS HAVE SETTLED OUT OF THE WATER AND WATER QUALITY PARAMETERS ARE MET. WATER QUALITY PARAMETERS ARE SPECIFIED IN THE NPDES PERMIT.
6. THE CONTRACTOR SHALL PROTECT AND PRESERVE ALL EXISTING VEGETATION BEYOND THE CLEARING LIMITS.
7. THE CONTRACTOR SHALL SEED, MULCH, INSTALL CLEAR PLASTIC COVERING, OR PROVIDE SOME OTHER EQUIVALENT TYPE OF PROTECTION AGAINST EROSION TO ALL EARTHEN AREAS DISTURBED OR NEWLY CREATED BY THE PROJECT CONSTRUCTION. EXISTING EROSION PROTECTION MEASURES IN PLACE AT THE BEGINNING OF CONSTRUCTION WILL BE MAINTAINED AND ADDITIONAL MEASURES WILL BE PROVIDED IN THESE AREAS IF CONDITIONS CHANGE.
8. WASHOUT OF CONSTRUCTION EQUIPMENT WILL BE COMPLETED ACCORDING TO THE SPILL CONTROL AND COUNTERMEASURES PLAN.
9. THE CONTRACTOR SHALL NOT DISCHARGE ANY CLEANING SOLVENTS OR CHEMICALS UTILIZED FOR TOOL OR EQUIPMENT CLEANING TO THE GROUND. REFUELING OF EQUIPMENT WILL BE CONDUCTED AWAY FROM THE DRAINAGE FACILITIES AND DONE IN SUCH A MANNER AS TO PREVENT SPILLS FROM ENTERING THE GROUNDWATER OR WATER BODIES (INCLUDING WETLANDS).
10. THE CONTRACTOR SHALL TAKE EXTREME CARE TO PREVENT ANY PETROLEUM PRODUCTS, CHEMICALS, OR OTHER TOXIC OR DELETERIOUS MATERIALS FROM ENTERING THE GROUNDWATER IN ANY MANNER.
11. THE CONTRACTOR SHALL MAINTAIN ALL PUBLIC ROADWAYS WITH STREET SWEEPING AS NECESSARY TO REMOVE SEDIMENT.
12. PERMANENT SLOPE STABILIZATION-
    AREAS REQUIRING STABILIZATION WILL BE STAKED IN THE FIELD AND SEEDED.
    - UPLAND AREAS DISTURBED TO BE SEEDED WITH EROSION CONTROL SEED MIX.
    - WETLAND, WETLAND BUFFER, AND STREAM BUFFER AREAS DISTURBED TO BE SEEDED WITH WET SEED MIX.
    - COVER SLOPES OVER 2H:1V WITH EROSION CONTROL BLANKET AND SEED WITH EROSION CONTROL SEED MIX, OR WET SEED MIX IF IN BUFFER AREA.
13. AT COMPLETION OF WORK, REMOVE AND DISPOSE OF COMPOST CONTAINING SEDIMENT FROM WORK. SPREAD REMAINING COMPOST EVENLY THROUGHOUT VEGETATED PORTION OF CAVFS.
14. STORM DRAINAGE INLET PROTECTION SHOWN FOR EXISTING INLETS WITH THE POTENTIAL TO RECEIVE RUNOFF FROM EXPOSED AREAS, INCLUDING PAVEMENT GRINDING. NEW STORM SYSTEM NOT SHOWN FOR CLARITY, EXCEPT FOR ELEMENTS USED FOR TESC CONVEYANCE. CONTRACTOR SHALL THOROUGHLY VERIFY IF ANY ADDITIONAL EXISTING INLETS AND NEW INLETS WILL RECEIVE RUNOFF FROM EXPOSED AREAS AND PROVIDE STORM DRAIN INLET PROTECTION (STD. PLAN I-40.20-00).

TESC CONSTRUCTION SEQUENCE:

1. BEFORE CONSTRUCTION BEGINS, A PRE-CONSTRUCTION MEETING SHALL BE HELD ON-SITE BETWEEN THE PROJECT ENGINEER, ALL NECESSARY CONSTRUCTION CONTRACTORS, AND AGENCY REPRESENTATIVES. DURING THIS MEETING SITE CONDITIONS, PERMIT SPECIFICATIONS AND THE REQUIREMENTS OF THE TESC AND SPCC PLANS WILL BE REVIEWED.
2. INSTALL HIGH VISIBILITY FENCE, FLAGGING AND SILT FENCE TO DELINEATE LIMITS OF WORK.
3. INSTALL INLET PROTECTION. SEE TESC GENERAL NOTE 14.
4. INSTALL INTERCEPTOR DIKES, SWALES AND TEMPORARY CONVEYANCE.
5. INSTALL BAKER TANKS AND SEDIMENT TRAPS AS SHOWN ON THE PLANS.
6. COVER ANY AREAS OF EXPOSED SOILS THAT WILL NOT BE DISTURBED FOR TWO DAYS DURING THE PERIOD FROM OCTOBER 1 TO APRIL 30 OR SEVEN DAYS DURING THE PERIOD FROM MAY 1 TO SEPTEMBER 30 WITH APPROVED TESC COVER PRACTICES (E.G. SEEDING, MULCHING, NETTING, CLEAR PLASTIC COVERING) AS SHOWN ON THESE PLANS OR AS DIRECTED BY THE ENVIRONMENTAL COMPLIANCE MANAGER.
7. STABILIZE ALL UNWORKED AREAS WITH SEED. INCLUDE STABILIZER OR TACKIFIER FOR ALL SLOPE AREAS.
8. AFTER REVEGETATION, REMOVE HIGH VISIBILITY FENCE, FLAGGING, SILT FENCE AND OTHER TESC MEASURES ONLY WITH APPROVAL OF THE ENGINEER.

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TIME	10:16:28 AM				10	WASH	
DATE	9/7/2018				JOB NUMBER		
PLOTTED BY	GRimando						
DESIGNED BY	J. ZIGWEID						
ENTERED BY	A. MAILLOUX	REV 0 - RFC	09/10/18				
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	08/30/18		CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	08/02/18		C9133		
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
09/10/18
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

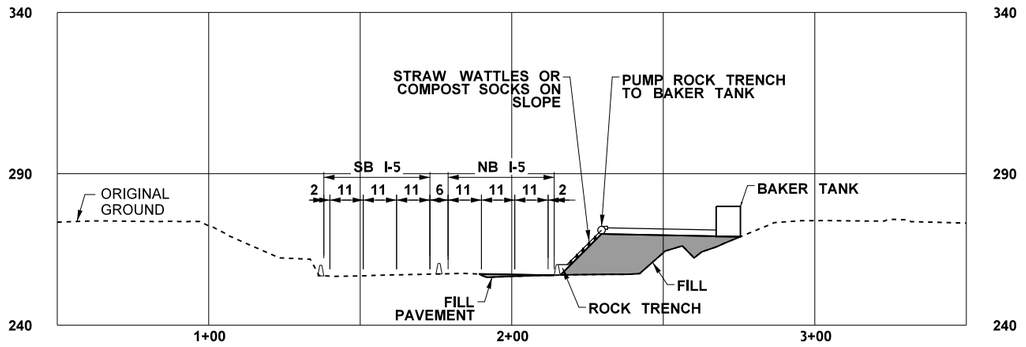
I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

EROSION CONTROL NOTES AND DETAILS

PLAN REF NO
ED01

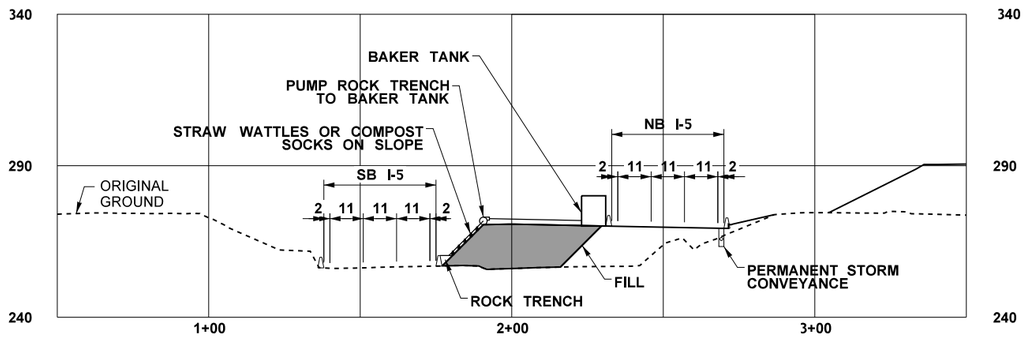
SHEET 287 OF 1456 SHEETS

AS-BUILT



BERKELEY SAG FILL - STAGE 1

HORIZ: 1"=50'
VERT: 1"=50'



BERKELEY SAG FILL - STAGE 2

HORIZ: 1"=50'
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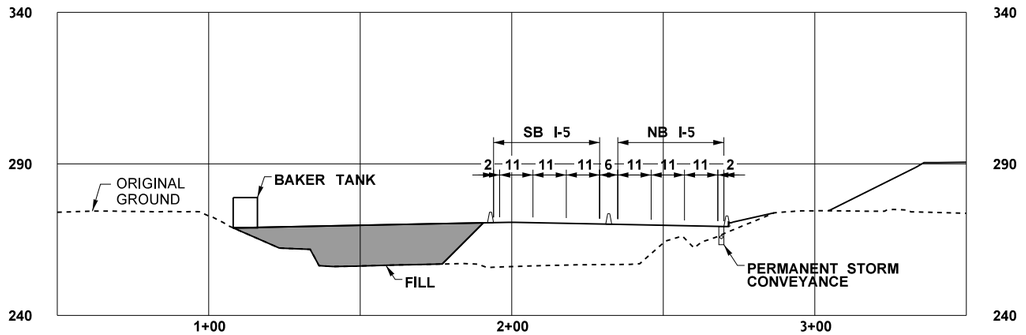


BERKELEY SAG FILL - STAGE 3

HORIZ: 1"=50'
VERT: 1"=50'

ATKINSON
SEP 12 2018
RELEASED FOR CONSTRUCTION

FILE NAME	c:\pwworking\jacobs_b&i\pw-rimandgr\dms20633\DE_ED02.dgn				REGION NO. 10 / STATE WASH	FED.AID PROJ.NO.	
TIME	10:17:47 AM						
DATE	9/7/2018						
PLOTTED BY	GRimando				JOB NUMBER		
DESIGNED BY	J. ZIGWEID						
ENTERED BY	A. MAILLOUX	REV 0 - RFC	09/10/18				
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	08/30/18		CONTRACT NO. C9133	LOCATION NO.	
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	08/02/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFERY D. ZIGWEID — STATE OF WASHINGTON — 51142 — REGISTERED PROFESSIONAL ENGINEER
09/10/18
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

BERKELEY SAG FILL
EROSION CONTROL SECTIONS

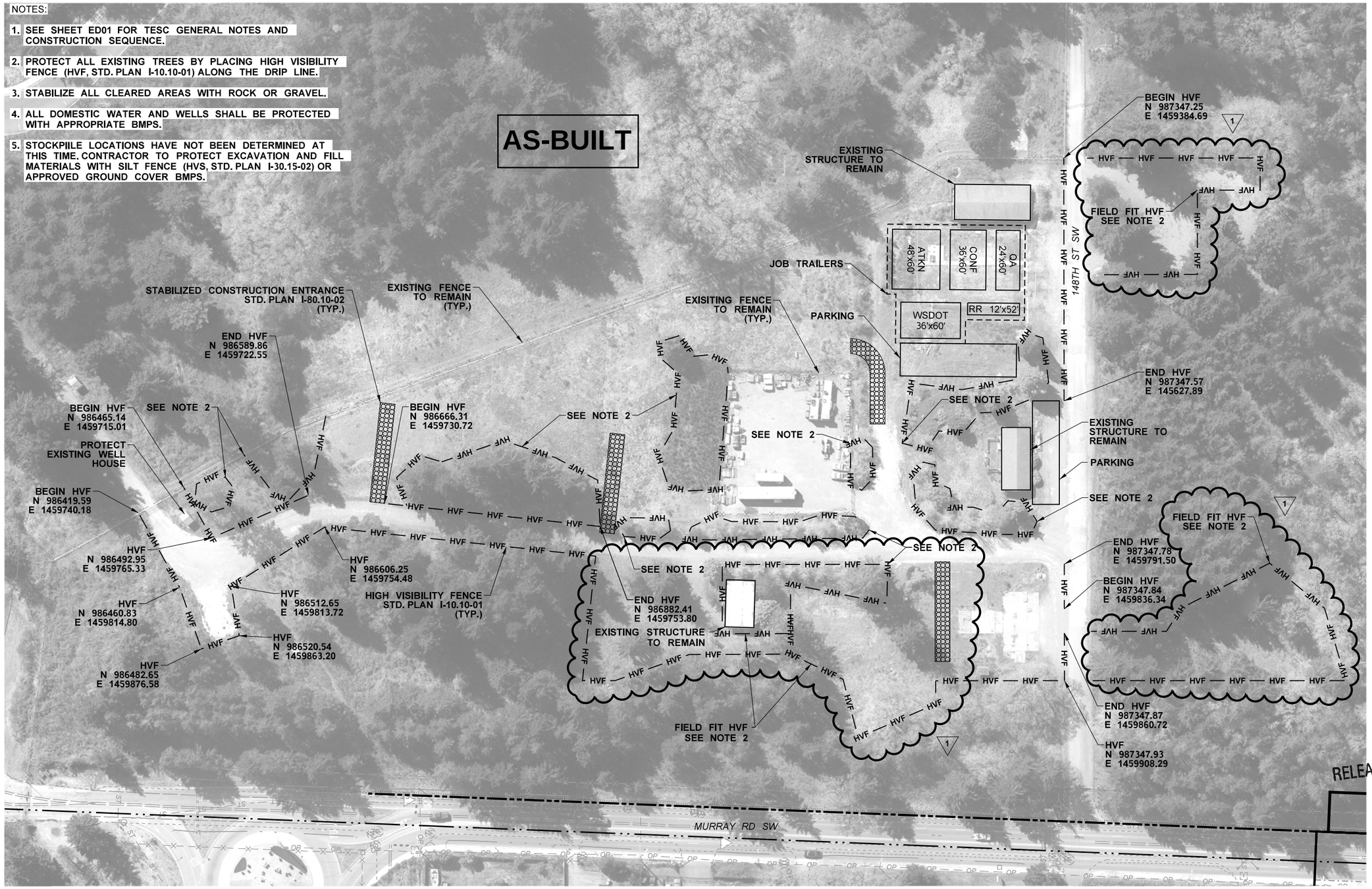
PLAN REF NO ED02

SHEET 288 OF 1456 SHEETS

NOTES:

1. SEE SHEET ED01 FOR TESC GENERAL NOTES AND CONSTRUCTION SEQUENCE.
2. PROTECT ALL EXISTING TREES BY PLACING HIGH VISIBILITY FENCE (HVF, STD. PLAN I-10.10-01) ALONG THE DRIP LINE.
3. STABILIZE ALL CLEARED AREAS WITH ROCK OR GRAVEL.
4. ALL DOMESTIC WATER AND WELLS SHALL BE PROTECTED WITH APPROPRIATE BMPS.
5. STOCKPIILE LOCATIONS HAVE NOT BEEN DETERMINED AT THIS TIME. CONTRACTOR TO PROTECT EXCAVATION AND FILL MATERIALS WITH SILT FENCE (HVS, STD. PLAN I-30.15-02) OR APPROVED GROUND COVER BMPS.

AS-BUILT



ATKINSON
JUN 12 2019 KTW
RELEASED FOR CONSTRUCTION

N
0 50 100
SCALE IN FEET

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TIME	11:30:11 AM						
DATE	6/10/2019						
PLOTTED BY	JeffZ						
DESIGNED BY	J.ZIGWEID						
ENTERED BY	A.MAILLOUX	REV 1 - RFI0122	6/06/19				
CHECKED BY	T. HOANG	REV 0 - RFC	9/05/18				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	8/16/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER		
CONTRACT NO.		LOCATION NO.
C9133		

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
6/10/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

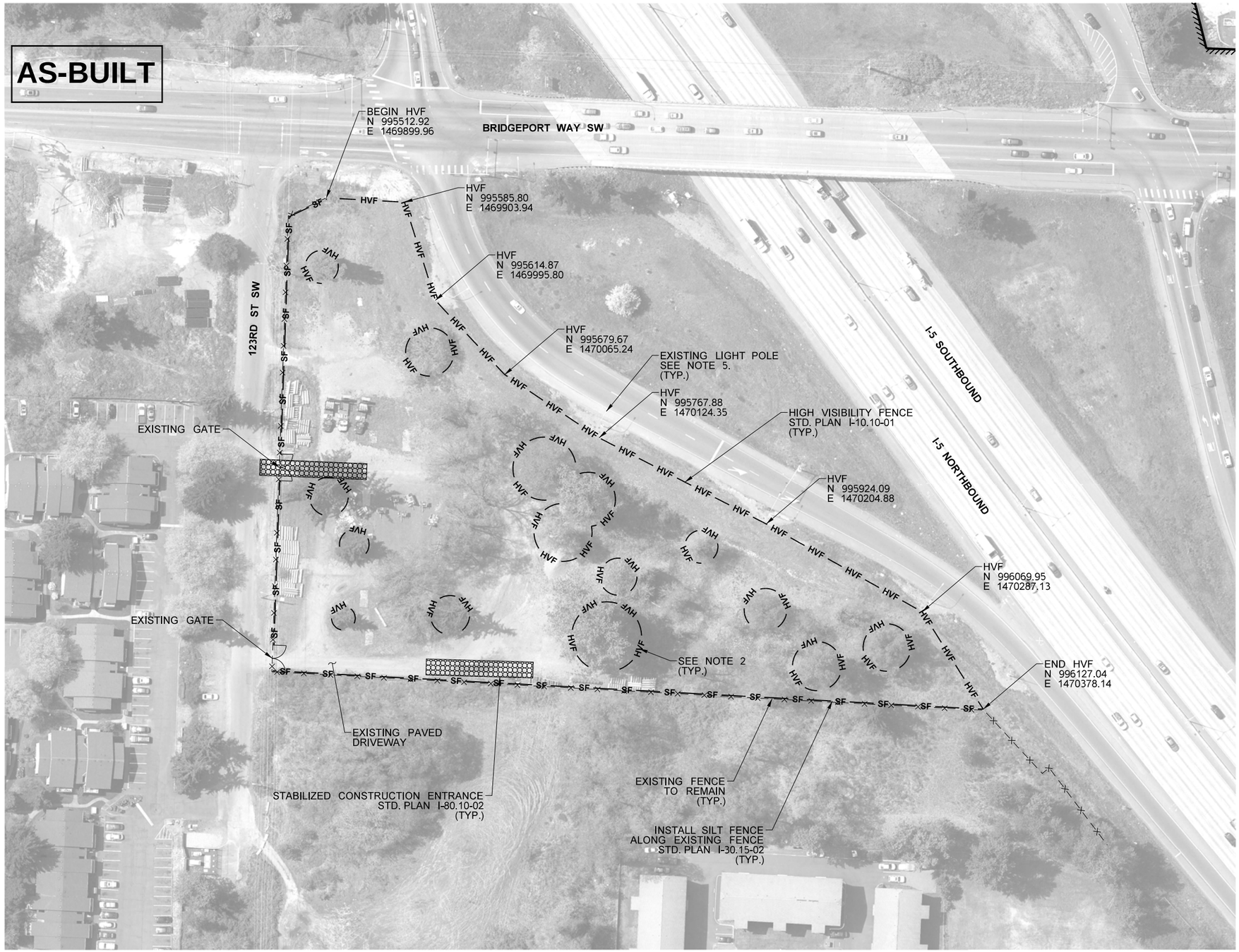
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

LAYDOWN YARD EROSION CONTROL PLAN

PLAN REF NO
ED03

SHEET
289
OF
1456
SHEETS



NOTES:

1. SEE SHEET ED01 FOR TESC GENERAL NOTES AND CONSTRUCTION SEQUENCE.
2. PROTECT ALL EXISTING TREES BY PLACING HIGH VISIBILITY FENCE (HVF, STD. PLAN I-10.10-01) ALONG THE DRIP LINE. COORDINATE TREE PROTECTION WITH ED WINKLEY AT WSDOT (360) 570-6674 OR WINKLEE@WSDOT.WA.GOV.
3. STABILIZE ALL CLEARED AREAS WITH ROCK OR GRAVEL AS NEEDED.
4. STOCKPIILE LOCATIONS HAVE NOT BEEN DETERMINED AT THIS TIME. CONTRACTOR TO PROTECT EXCAVATION AND FILL MATERIALS WITH SILT FENCE (HVS, STD. PLAN I-30.15-02) OR APPROVED GROUND COVER BMPS AS NEEDED.
5. PROTECT ALL EXISTING LIGHT POLES AS NEEDED.
6. CONTRACTOR TO PROVIDE AT LEAST ONE SPILL KIT ON-SITE.
7. TOXIC OR HAZARDOUS SUBSTANCES ARE NOT ALLOWED ON-SITE WITHOUT EXPRESS WRITTEN PERMISSION OF WSDOT.

ATKINSON

NOV 0 1 2018

RELEASED FOR CONSTRUCTION

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SCALE IN FEET

FILE NAME	c:\pwworking\jacobs_b&i\pw-zigweijd\dms20633\DE_ED04.dgn						
TIME	2:23:25 PM						
DATE	10/31/2018						
PLOTTED BY	JZigweid						
DESIGNED BY	J.ZIGWEID						
ENTERED BY	J. ZIGWEID						
CHECKED BY	T. HOANG	REV 0 - RFC	11/02/18				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	10/24/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER		
CONTRACT NO.		LOCATION NO.
C9133		

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
11/02/18
P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

LAYDOWN YARD
EROSION CONTROL PLAN

PLAN REF NO
ED04

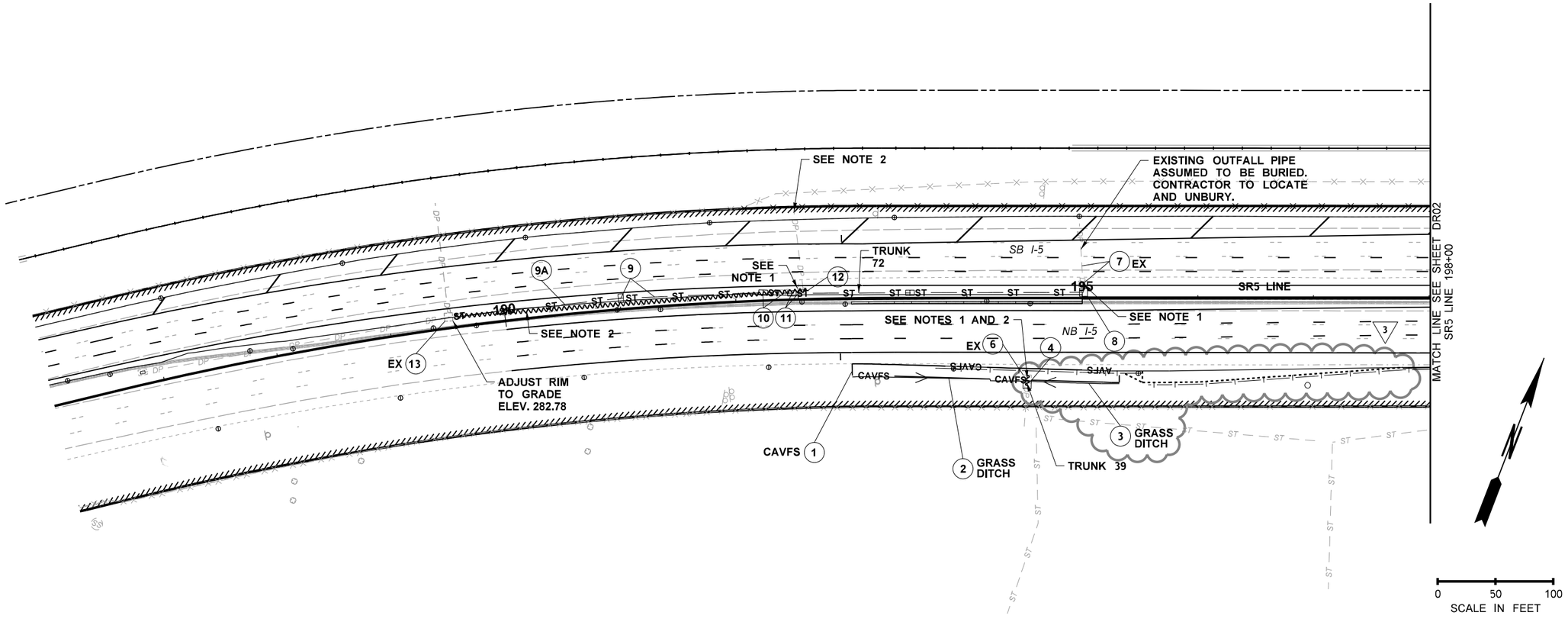
SHEET
290
OF
1456
SHEETS

NOTES:

1. ABANDON OR REMOVE EXISTING STRUCTURE IN ACCORDANCE WITH STD. SPEC. 7-05.3(2).
2. ABANDON OR REMOVE EXISTING PIPE IN ACCORDANCE WITH STD. SPEC. 7-08.3(4). FOR SOLID WALL PIPES OUTSIDE OF THE ROADWAY PRISM ABANDONMENT MEANS REMOVING AS MUCH OF THE PIPE AS NECESSARY FOR CONSTRUCTION ACTIVITIES AND PLUGGING ALL PIPE ENDS. FOR PERFORATED PIPES AND ALL PIPES WITHIN THE ROADWAY PRISM ABANDONMENT MEANS REMOVING AS MUCH OF THE PIPE AS NECESSARY FOR CONSTRUCTION ACTIVITIES AND FILLING THE REMAINING PIPE WITH CONTROLLED DENSITY FILL (CDF).

AS-BUILT

ATKINSON
JAN 27 2020 KTW
RELEASED FOR CONSTRUCTION



LEGEND

(1)	DRAINAGE STRUCTURE ID	▭	DROP INLET
DR01 / 1	DRAINAGE STRUCTURE ID CONTINUED	○	MANHOLE
ST — ST	STORM SEWER PIPE	▨	ROCK OUTFALL PROTECTION
UD — UD	UNDERDRAIN PIPE	→	DRAINAGE DITCH
DP — DP	DRAIN PIPE	CAVFS / CAVFS	COMPOST AMENDED VEGETATED FILTER STRIP
□	CATCH BASIN	∿∿∿	EXISTING STORM TO BE REMOVED OR ABANDONED
▭	GRATE INLET		
———	CULVERT PIPE		

DRAINAGE REFERENCE SUMMARY

DESCRIPTION	PROFILE/DETAIL SHEET(S)
TRUNK 39	DP21
TRUNK 72	DP39

FILE NAME	c:\pwworking\jacobs_b&i\pw-zlgweljd\dms20633\PS_DR01.dgn						
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DATE	1/22/2020	REV 2 - RFC-4TH SB LANE CHANGE	12/06/19				
PLOTTED BY	JeffZ	REV C - FINAL REVIEW-4TH SB LANE CHANGE	11/08/19		JOB NUMBER		
DESIGNED BY	J.ZIGWEID	REV 1 - RFI0091	4/30/19				
ENTERED BY	A.MAILLOUX	REV 0 - RFC	2/25/19		CONTRACT NO. C9133		LOCATION NO.
CHECKED BY	J.ZIGWEID	REV B - FINAL REVIEW	1/25/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	11/16/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
1/22/20
P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

DRAINAGE PLAN

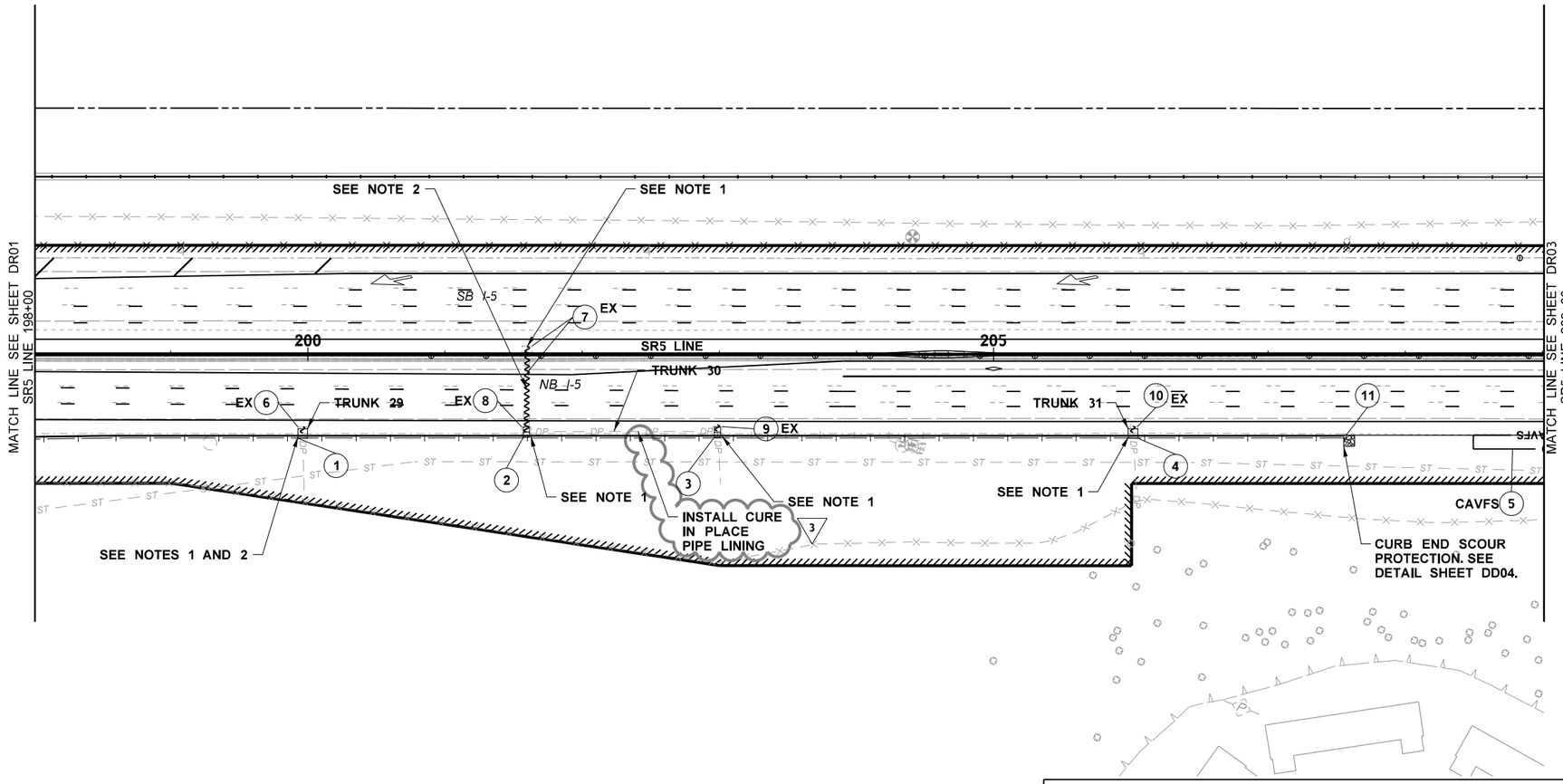
PLAN REF NO DR01

SHEET 291 OF 1456 SHEETS

NOTES:

1. ABANDON OR REMOVE EXISTING STRUCTURE IN ACCORDANCE WITH STD. SPEC. 7-05.3(2).
2. ABANDON OR REMOVE EXISTING PIPE IN ACCORDANCE WITH STD. SPEC. 7-08.3(4). FOR SOLID WALL PIPES OUTSIDE OF THE ROADWAY PRISM ABANDONMENT MEANS REMOVING AS MUCH OF THE PIPE AS NECESSARY FOR CONSTRUCTION ACTIVITIES AND PLUGGING ALL PIPE ENDS. FOR PERFORATED PIPES AND ALL PIPES WITHIN THE ROADWAY PRISM ABANDONMENT MEANS REMOVING AS MUCH OF THE PIPE AS NECESSARY FOR CONSTRUCTION ACTIVITIES AND FILLING THE REMAINING PIPE WITH CONTROLLED DENSITY FILL (CDF).

AS-BUILT



ATKINSON
JUL 26 2021
RELEASED FOR CONSTRUCTION

0 50 100
SCALE IN FEET

LEGEND

1	- DRAINAGE STRUCTURE ID		- DROP INLET
DR01 1	- DRAINAGE STRUCTURE ID CONTINUED		- MANHOLE
ST ST	- STORM SEWER PIPE		- ROCK OUTFALL PROTECTION
UD UD	- UNDERDRAIN PIPE		- DRAINAGE DITCH
DP DP	- DRAIN PIPE	CAVFS CAVFS	- COMPOST AMENDED VEGETATED FILTER STRIP
	- CATCH BASIN		- EXISTING STORM TO BE REMOVED OR ABANDONED
	- GRATE INLET		
	- CULVERT PIPE		

DRAINAGE REFERENCE SUMMARY

DESCRIPTION	PROFILE/DETAIL SHEET(S)
TRUNK 29	DP10
TRUNK 30	DP10
TRUNK 31	DP10

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TIME	1:45:20 PM						
DATE	7/14/2021	REV 3 - RFI0642	7/16/21		JOB NUMBER		
PLOTTED BY	tiffanyh	REV 2 - RFI0184	9/27/19				
DESIGNED BY	J. ZIGWEID	REV 1 - RFI0091	4/30/19		CONTRACT NO. C9133		LOCATION NO.
ENTERED BY	A. MAILLOUX	REV 0 - RFC	2/25/19				
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	1/25/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	11/16/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 21141 — REGISTERED PROFESSIONAL ENGINEER
7/23/21
DATE
P.E. STAMP BOX

DATE
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Washington State Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

DRAINAGE PLAN

PLAN REF NO DR02

SHEET 292 OF 1456 SHEETS

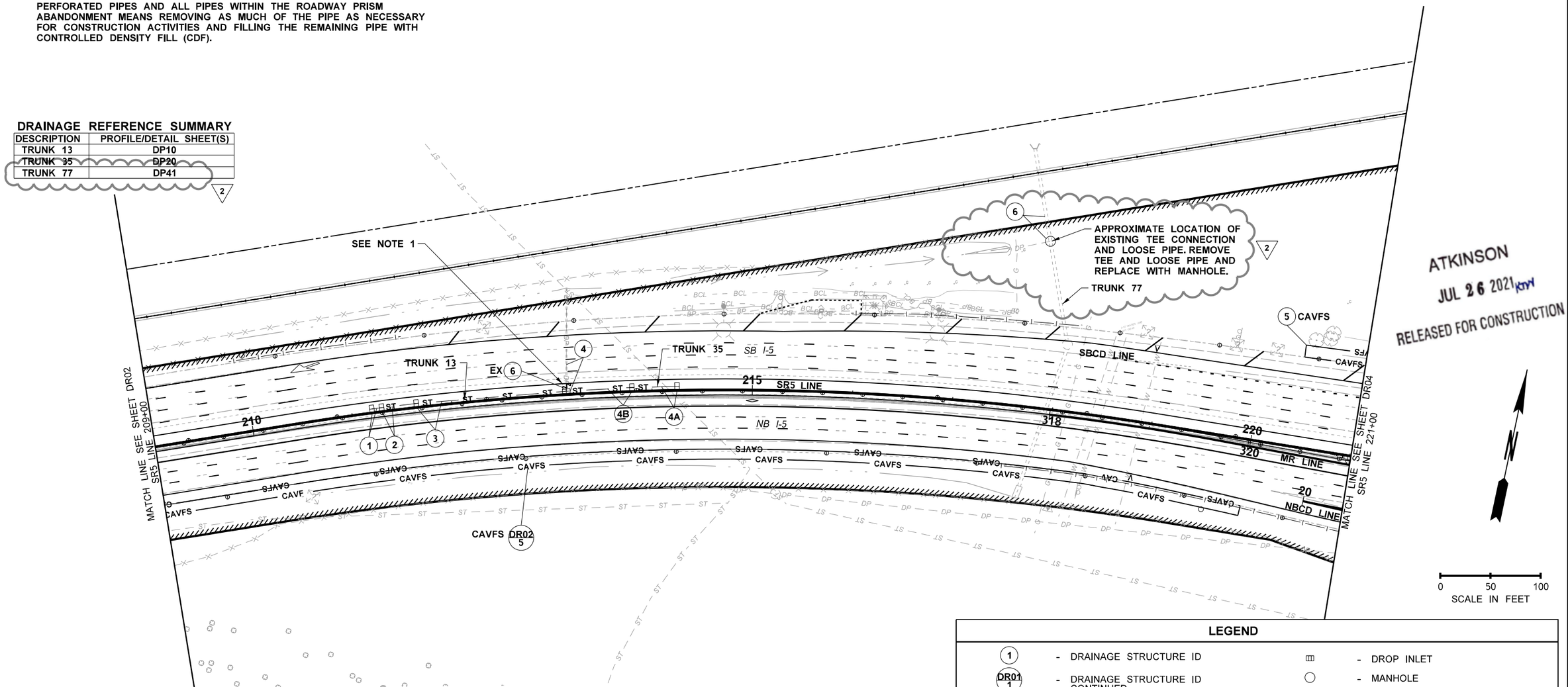
NOTES:

1. ABANDON OR REMOVE EXISTING STRUCTURE IN ACCORDANCE WITH STD. SPEC. 7-05.3(2).
2. ABANDON OR REMOVE EXISTING PIPE IN ACCORDANCE WITH STD. SPEC. 7-08.3(4). FOR SOLID WALL PIPES OUTSIDE OF THE ROADWAY PRISM ABANDONMENT MEANS REMOVING AS MUCH OF THE PIPE AS NECESSARY FOR CONSTRUCTION ACTIVITIES AND PLUGGING ALL PIPE ENDS. FOR PERFORATED PIPES AND ALL PIPES WITHIN THE ROADWAY PRISM ABANDONMENT MEANS REMOVING AS MUCH OF THE PIPE AS NECESSARY FOR CONSTRUCTION ACTIVITIES AND FILLING THE REMAINING PIPE WITH CONTROLLED DENSITY FILL (CDF).

AS-BUILT

DRAINAGE REFERENCE SUMMARY

DESCRIPTION	PROFILE/DETAIL SHEET(S)
TRUNK 13	DP10
TRUNK 35	DP20
TRUNK 77	DP41



LEGEND

1 - DRAINAGE STRUCTURE ID	DROP INLET
DR01 1 - DRAINAGE STRUCTURE ID CONTINUED	MANHOLE
ST — ST - STORM SEWER PIPE	ROCK OUTFALL PROTECTION
UD — UD - UNDERDRAIN PIPE	DRAINAGE DITCH
DP — DP - DRAIN PIPE	CAVFS / CAVFS - COMPOST AMENDED VEGETATED FILTER STRIP
CATCH BASIN	EXISTING STORM TO BE REMOVED OR ABANDONED
GRATE INLET	
CULVERT PIPE	

0 50 100
SCALE IN FEET

ATKINSON
JUL 26 2021
RELEASED FOR CONSTRUCTION

FILE NAME	c:\pwworking\jacobs_b&i\ex-hoangt\dms20633\PS_DR03.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	1:48:04 PM						
DATE	7/14/2021						
PLOTTED BY	tiffanyh	REV 2 - RFI0642	7/16/21		JOB NUMBER		
DESIGNED BY	J. ZIGWEID	REV 1 - RFI0091	4/30/19				
ENTERED BY	A. MAILLOUX	REV 0 - RFC	2/25/19		CONTRACT NO. C9133		LOCATION NO.
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	1/25/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	11/16/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
7/23/21
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON CONSTRUCTION / JACOBS

I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

DRAINAGE PLAN

PLAN REF NO DR03

SHEET 293 OF 1456 SHEETS

AS-BUILT

LEGEND

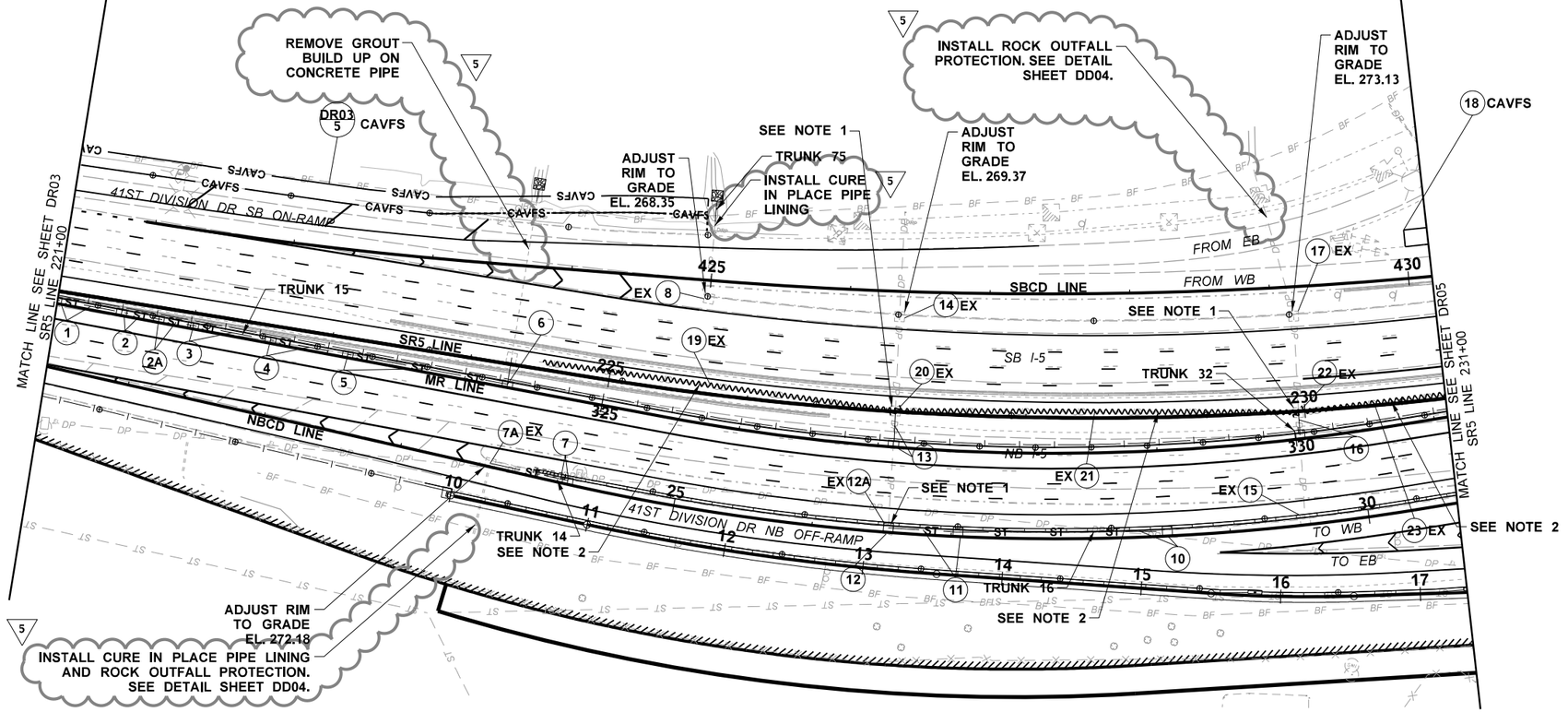
- (1) - DRAINAGE STRUCTURE ID
- DR01 / 1 - DRAINAGE STRUCTURE ID CONTINUED
- ST — ST - STORM SEWER PIPE
- UD — UD - UNDERDRAIN PIPE
- DP — DP - DRAIN PIPE
- □ - CATCH BASIN
- ⊞ - GRATE INLET
- ▬ - CULVERT PIPE
- ⊞ - DROP INLET
- ○ - MANHOLE
- ▩ - ROCK OUTFALL PROTECTION
- → - DRAINAGE DITCH
- CAVFS / CAVFS - COMPOST AMENDED VEGETATED FILTER STRIP
- ∿∿∿ - EXISTING STORM TO BE REMOVED OR ABANDONED

DRAINAGE REFERENCE SUMMARY

DESCRIPTION	PROFILE/DETAIL SHEET(S)
TRUNK 14	DP11
TRUNK 15	DP11
TRUNK 16	DP12
TRUNK 32	DP12
TRUNK 75	DP12

NOTES:

1. ABANDON OR REMOVE EXISTING STRUCTURE IN ACCORDANCE WITH STD. SPEC. 7-05.3(2).
2. ABANDON OR REMOVE EXISTING PIPE IN ACCORDANCE WITH STD. SPEC. 7-08.3(4). FOR SOLID WALL PIPES OUTSIDE OF THE ROADWAY PRISM ABANDONMENT MEANS REMOVING AS MUCH OF THE PIPE AS NECESSARY FOR CONSTRUCTION ACTIVITIES AND PLUGGING ALL PIPE ENDS. FOR PERFORATED PIPES AND ALL PIPES WITHIN THE ROADWAY PRISM ABANDONMENT MEANS REMOVING AS MUCH OF THE PIPE AS NECESSARY FOR CONSTRUCTION ACTIVITIES AND FILLING THE REMAINING PIPE WITH CONTROLLED DENSITY FILL (CDF).



ATKINSON
JUL 26 2021
RELEASED FOR CONSTRUCTION

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SCALE IN FEET

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TIME	8:23:43 AM	REV 5 - RFI0642	7/16/21		REGION NO. 10	STATE WASH	FED.AID PROJ.NO.	
DATE	7/19/2021	REV 4 - RELEASE OF NFC / RFI0420	2/27/20					
PLOTTED BY	JeffZ	REV 3 - RFI0367	1/22/20		JOB NUMBER			
DESIGNED BY	J. ZIGWEID	REV 2 - RFI0091	4/30/19					
ENTERED BY	A. MAILLOUX	REV 1 - RELEASE OF NFC	3/11/19		CONTRACT NO. C9133		LOCATION NO.	
CHECKED BY	J. ZIGWEID	REV 0 - RFC	2/25/19					
PROJ. ENGR.	C. MEADE	REV B - FINAL REVIEW	1/25/19					
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY				

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 21141 — REGISTERED PROFESSIONAL ENGINEER
7/23/21
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DATE
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Washington State Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

DRAINAGE PLAN

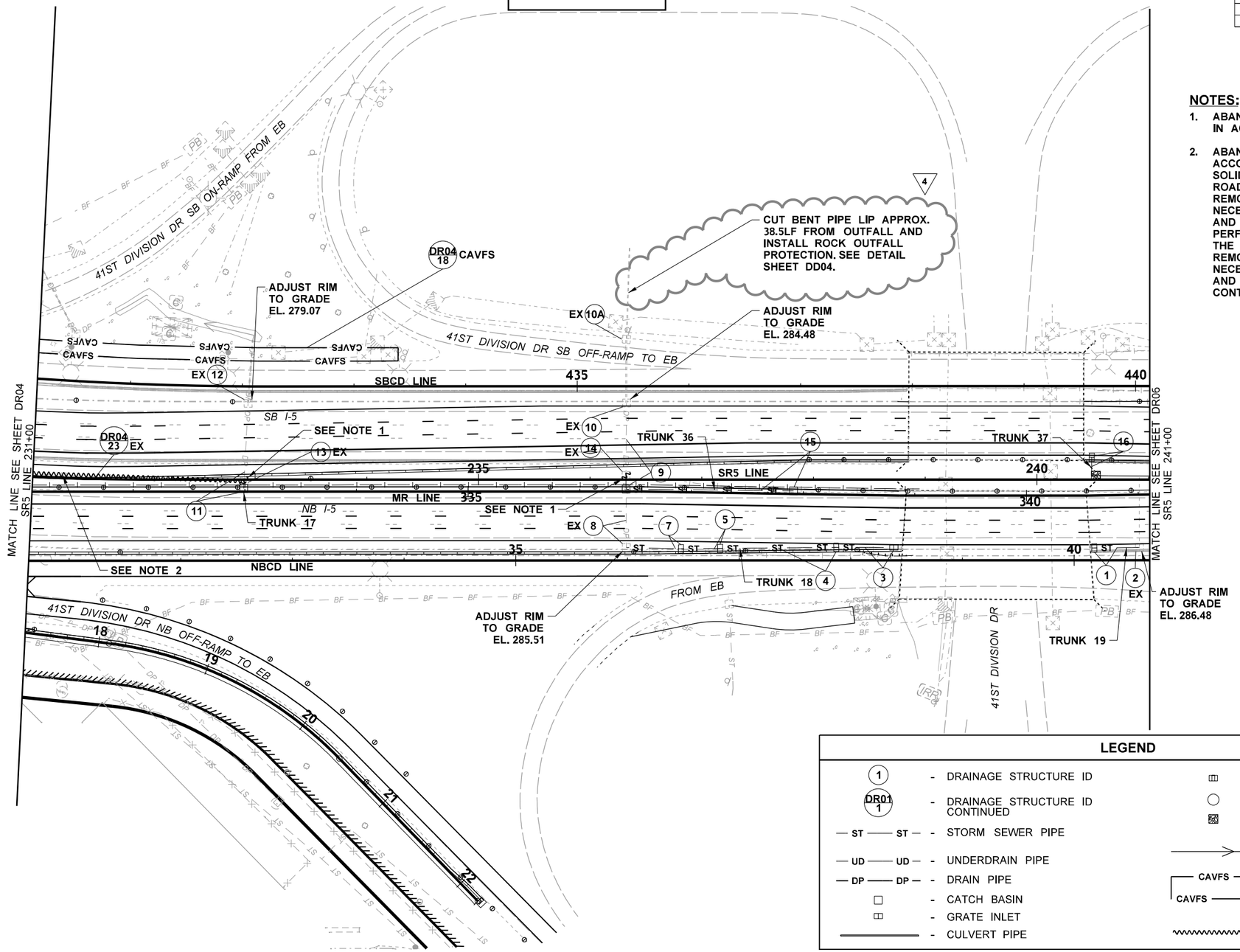
PLAN REF NO **DR04**

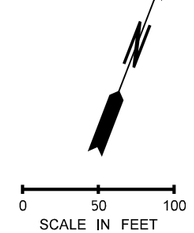
SHEET 294 OF 1456 SHEETS

AS-BUILT

DRAINAGE REFERENCE SUMMARY

DESCRIPTION	PROFILE/DETAIL SHEET(S)
TRUNK 17	DP13
TRUNK 18	DP13
TRUNK 19	DP13
TRUNK 36	DP20
TRUNK 37	DP20





NOTES:

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2. ABANDON OR REMOVE EXISTING PIPE IN ACCORDANCE WITH STD. SPEC. 7-08.3(4). FOR SOLID WALL PIPES OUTSIDE OF THE ROADWAY PRISM ABANDONMENT MEANS REMOVING AS MUCH OF THE PIPE AS NECESSARY FOR CONSTRUCTION ACTIVITIES AND PLUGGING ALL PIPE ENDS. FOR PERFORATED PIPES AND ALL PIPES WITHIN THE ROADWAY PRISM ABANDONMENT MEANS REMOVING AS MUCH OF THE PIPE AS NECESSARY FOR CONSTRUCTION ACTIVITIES AND FILLING THE REMAINING PIPE WITH CONTROLLED DENSITY FILL (CDF).

ATKINSON
JUL 26 2021
RELEASED FOR CONSTRUCTION

LEGEND

- 1 - DRAINAGE STRUCTURE ID
- DR01 1 - DRAINAGE STRUCTURE ID CONTINUED
- ST — ST - STORM SEWER PIPE
- UD — UD - UNDERDRAIN PIPE
- DP — DP - DRAIN PIPE
- CATCH BASIN
- GRATE INLET
- CULVERT PIPE
- DROP INLET
- MANHOLE
- ROCK OUTFALL PROTECTION
- DRAINAGE DITCH
- CAVFS — CAVFS - COMPOST AMENDED VEGETATED FILTER STRIP
- EXISTING STORM TO BE REMOVED OR ABANDONED

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DATE	7/19/2021	REV 3 - RELEASE OF NFC / RFI0420	2/27/20		10	WASH		
PLOTTED BY	JeffZ	REV 2 - RFI0091	4/30/19		JOB NUMBER			
DESIGNED BY	J. ZIGWEID	REV 1 - RELEASE OF NFC	3/11/19					
ENTERED BY	A. MAILLOUX	REV 0 - RFC	2/25/19		CONTRACT NO.		LOCATION NO.	
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	1/25/19		C9133			
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	11/16/18					
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY				

JEFFERY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
7/23/21
DATE
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Washington State Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

DRAINAGE PLAN

PLAN REF NO
DR05

SHEET
295
OF
1456
SHEETS

LEGEND

(1)	- DRAINAGE STRUCTURE ID	▭	- DROP INLET
DR01 / 1	- DRAINAGE STRUCTURE ID CONTINUED	○	- MANHOLE
— ST —— ST —	- STORM SEWER PIPE	▨	- ROCK OUTFALL PROTECTION
— UD —— UD —	- UNDERDRAIN PIPE	→	- DRAINAGE DITCH
— DP —— DP —	- DRAIN PIPE	CAVFS / CAVFS	- COMPOST AMENDED VEGETATED FILTER STRIP
□	- CATCH BASIN		
⊟	- GRATE INLET	~~~~	- EXISTING STORM TO BE REMOVED OR ABANDONED
———	- CULVERT PIPE		

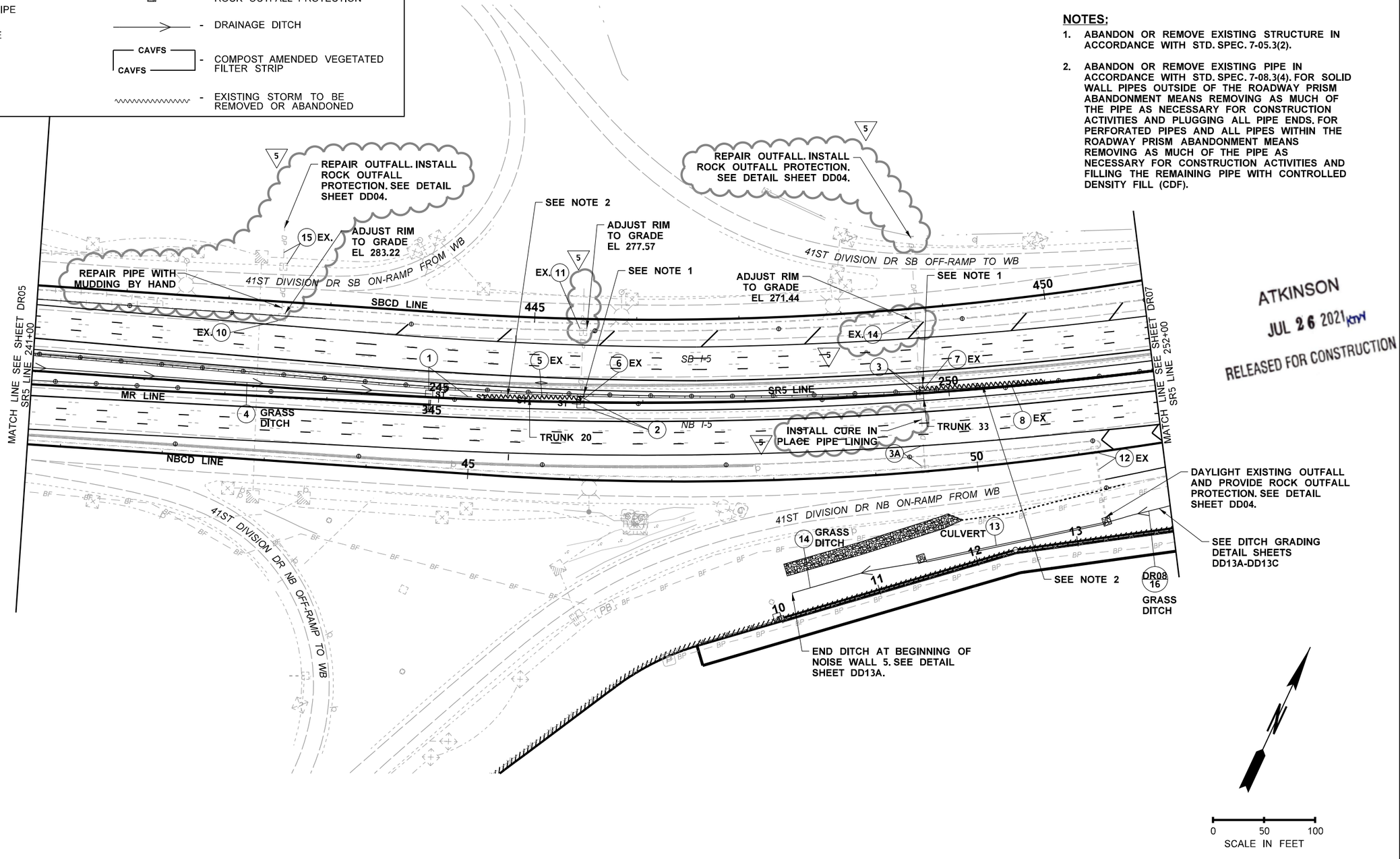
AS-BUILT

DRAINAGE REFERENCE SUMMARY

DESCRIPTION	PROFILE/DETAIL SHEET(S)
TRUNK 20	DP14
TRUNK 33	DP14
CULVERT DR06-13	DP41

NOTES:

1. ABANDON OR REMOVE EXISTING STRUCTURE IN ACCORDANCE WITH STD. SPEC. 7-05.3(2).
2. ABANDON OR REMOVE EXISTING PIPE IN ACCORDANCE WITH STD. SPEC. 7-08.3(4). FOR SOLID WALL PIPES OUTSIDE OF THE ROADWAY PRISM ABANDONMENT MEANS REMOVING AS MUCH OF THE PIPE AS NECESSARY FOR CONSTRUCTION ACTIVITIES AND PLUGGING ALL PIPE ENDS. FOR PERFORATED PIPES AND ALL PIPES WITHIN THE ROADWAY PRISM ABANDONMENT MEANS REMOVING AS MUCH OF THE PIPE AS NECESSARY FOR CONSTRUCTION ACTIVITIES AND FILLING THE REMAINING PIPE WITH CONTROLLED DENSITY FILL (CDF).



ATKINSON
JUL 26 2021
RELEASED FOR CONSTRUCTION

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TIME	8:30:43 AM	REV 5 - RFI0642	7/16/21		10	WASH	
DATE	7/19/2021	REV 4 - RFI0553	9/25/20		JOB NUMBER		
PLOTTED BY	JeffZ	REV 3 - RFI0453	4/12/20				
DESIGNED BY	J. ZIGWEID	REV 2 - RFI0286	10/28/19				
ENTERED BY	A. MAILLOUX	REV 1 - RFI0091	4/30/19				
CHECKED BY	J. ZIGWEID	REV 0 - RFC	2/25/19		CONTRACT NO.	LOCATION NO.	
PROJ. ENGR.	C. MEADE	REV B - FINAL REVIEW	1/25/19		C9133		
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFERY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
7/23/21
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Washington State Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

DRAINAGE PLAN

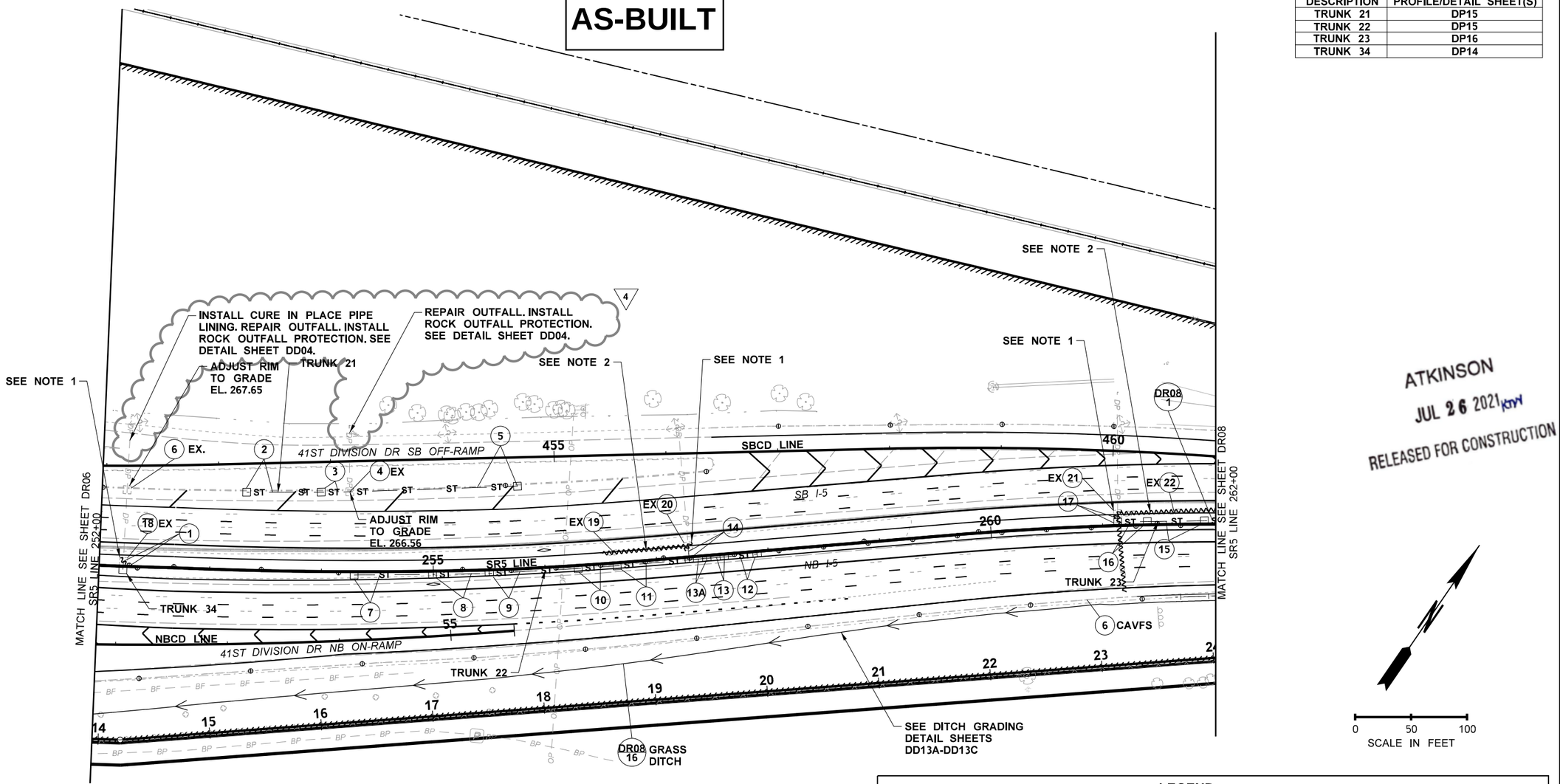
PLAN REF NO
DR06

SHEET
296
OF
1456
SHEETS

AS-BUILT

DRAINAGE REFERENCE SUMMARY

DESCRIPTION	PROFILE/DETAIL SHEET(S)
TRUNK 21	DP15
TRUNK 22	DP15
TRUNK 23	DP16
TRUNK 34	DP14



ATKINSON
JUL 26 2021
RELEASED FOR CONSTRUCTION

NOTES:

1. ABANDON OR REMOVE EXISTING STRUCTURE IN ACCORDANCE WITH STD. SPEC. 7-05.3(2).
2. ABANDON OR REMOVE EXISTING PIPE IN ACCORDANCE WITH STD. SPEC. 7-08.3(4). FOR SOLID WALL PIPES OUTSIDE OF THE ROADWAY PRISM ABANDONMENT MEANS REMOVING AS MUCH OF THE PIPE AS NECESSARY FOR CONSTRUCTION ACTIVITIES AND PLUGGING ALL PIPE ENDS. FOR PERFORATED PIPES AND ALL PIPES WITHIN THE ROADWAY PRISM ABANDONMENT MEANS REMOVING AS MUCH OF THE PIPE AS NECESSARY FOR CONSTRUCTION ACTIVITIES AND FILLING THE REMAINING PIPE WITH CONTROLLED DENSITY FILL (CDF).

LEGEND

- (1) - DRAINAGE STRUCTURE ID
- (DR01 / 1) - DRAINAGE STRUCTURE ID CONTINUED
- ST — ST — STORM SEWER PIPE
- UD — UD — UNDERDRAIN PIPE
- DP — DP — DRAIN PIPE
- □ - CATCH BASIN
- ⊞ - GRATE INLET
- CULVERT PIPE
- ⊞ - DROP INLET
- ○ - MANHOLE
- ▨ - ROCK OUTFALL PROTECTION
- DRAINAGE DITCH
- CAVFS / CAVFS - COMPOST AMENDED VEGETATED FILTER STRIP
- EXISTING STORM TO BE REMOVED OR ABANDONED

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DATE	7/19/2021	REV 3 - RFI0453	4/12/20				
PLOTTED BY	JeffZ	REV 2 - RFI0286	10/28/19		JOB NUMBER		
DESIGNED BY	J. ZIGWEID	REV 1 - RFI0091	4/30/19				
ENTERED BY	A. MAILLOUX	REV 0 - RFC	2/25/19		CONTRACT NO. C9133		LOCATION NO.
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	1/25/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	11/16/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFERY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
7/23/21
DATE
P.E. STAMP BOX

DATE
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Washington State Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

DRAINAGE PLAN

PLAN REF NO DR07

SHEET 297 OF 1456 SHEETS

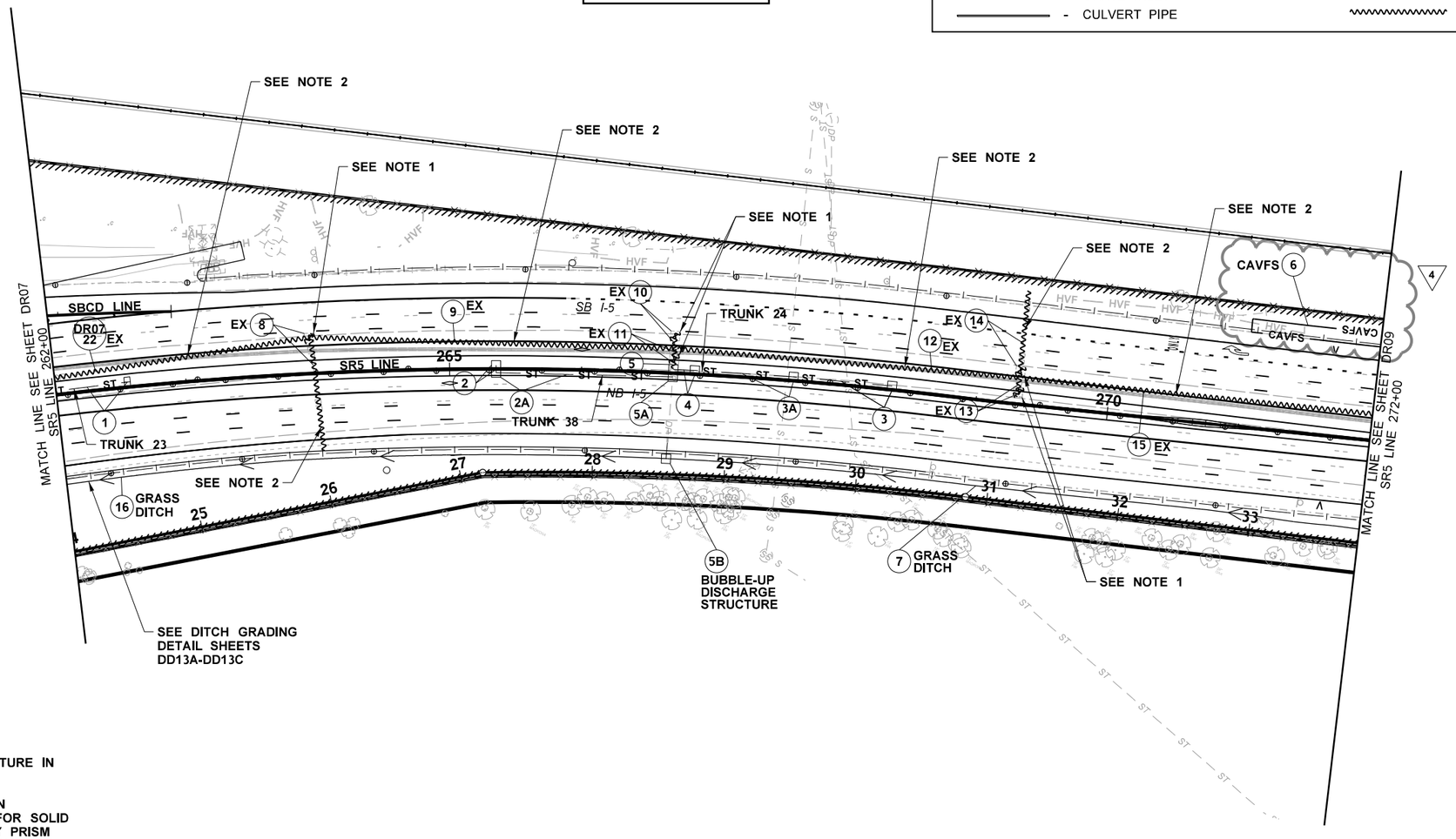
DRAINAGE REFERENCE SUMMARY

DESCRIPTION	PROFILE/DETAIL SHEET(S)
TRUNK 23	DP16
TRUNK 24	DP16
TRUNK 38	DP21

AS-BUILT

LEGEND

- (1) - DRAINAGE STRUCTURE ID
- (DR01 1) - DRAINAGE STRUCTURE ID CONTINUED
- ST — ST — STORM SEWER PIPE
- UD — UD — UNDERDRAIN PIPE
- DP — DP — DRAIN PIPE
- □ - CATCH BASIN
- ⊞ - GRATE INLET
- ▭ - CULVERT PIPE
- ⊞ - DROP INLET
- ○ - MANHOLE
- ▨ - ROCK OUTFALL PROTECTION
- → - DRAINAGE DITCH
- CAVFS — CAVFS - COMPOST AMENDED VEGETATED FILTER STRIP
- ∿∿∿ - EXISTING STORM TO BE REMOVED OR ABANDONED



ATKINSON
NOV 10 2020 KW
RELEASED FOR CONSTRUCTION

0 50 100
SCALE IN FEET

NOTES:

1. ABANDON OR REMOVE EXISTING STRUCTURE IN ACCORDANCE WITH STD. SPEC. 7-05.3(2).
2. ABANDON OR REMOVE EXISTING PIPE IN ACCORDANCE WITH STD. SPEC. 7-08.3(4). FOR SOLID WALL PIPES OUTSIDE OF THE ROADWAY PRISM ABANDONMENT MEANS REMOVING AS MUCH OF THE PIPE AS NECESSARY FOR CONSTRUCTION ACTIVITIES AND PLUGGING ALL PIPE ENDS. FOR PERFORATED PIPES AND ALL PIPES WITHIN THE ROADWAY PRISM ABANDONMENT MEANS REMOVING AS MUCH OF THE PIPE AS NECESSARY FOR CONSTRUCTION ACTIVITIES AND FILLING THE REMAINING PIPE WITH CONTROLLED DENSITY FILL (CDF).

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DATE	11/2/2020	REV 3 - RFI0453	4/12/20		JOB NUMBER		
PLOTTED BY	JeffZ	REV 2 - RFI0184	9/27/19				
DESIGNED BY	J. ZIGWEID	REV 1 - RFI0091	4/30/19				
ENTERED BY	A. MAILLOUX	REV 0 - RFC	2/25/19		CONTRACT NO. C9133		LOCATION NO.
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	1/25/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	11/16/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 31141 — REGISTERED PROFESSIONAL ENGINEER
11/06/20
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON CONSTRUCTION / JACOBS

I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

DRAINAGE PLAN

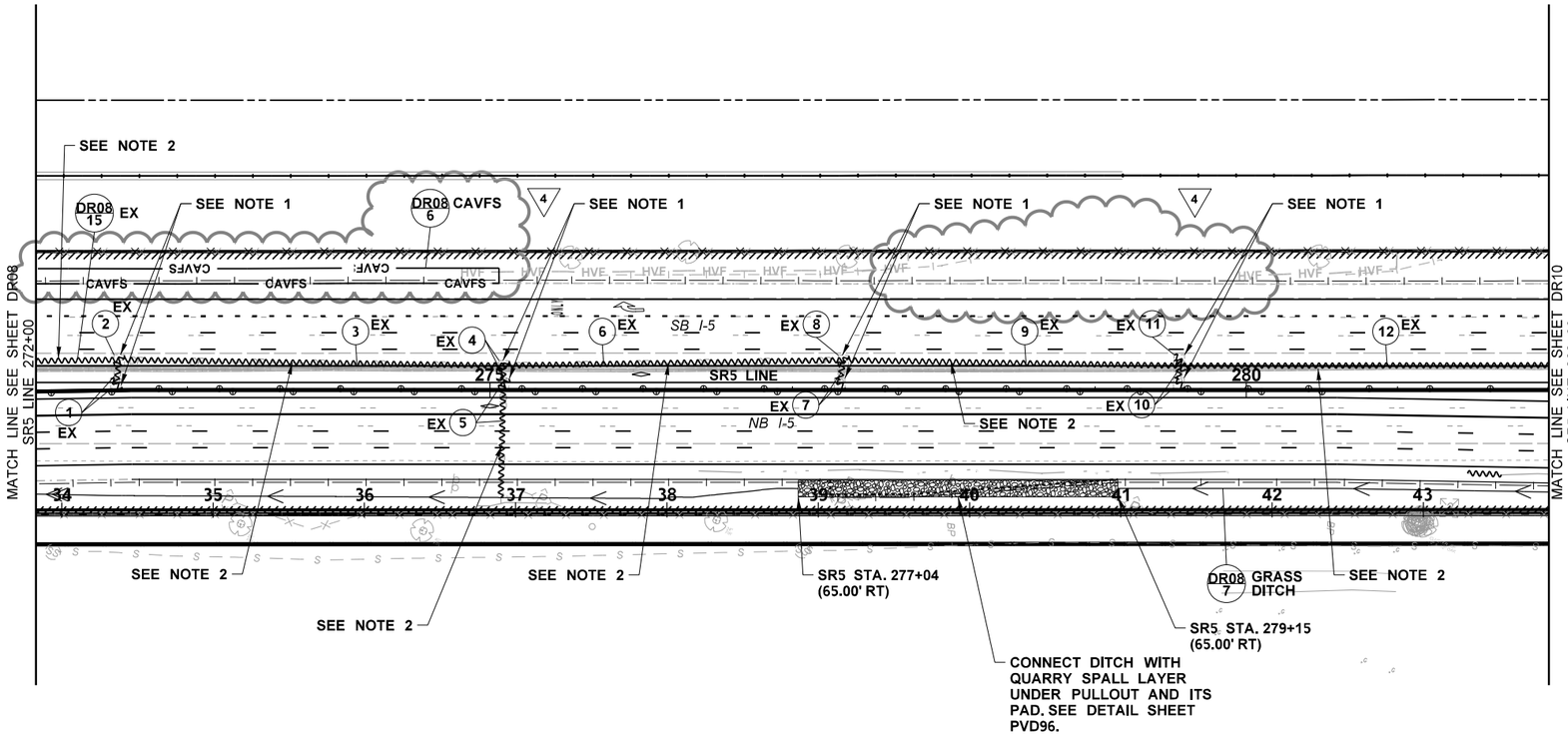
PLAN REF NO
DR08

SHEET 298 OF 1456 SHEETS

NOTES:

1. ABANDON OR REMOVE EXISTING STRUCTURE IN ACCORDANCE WITH STD. SPEC. 7-05.3(2).
2. ABANDON OR REMOVE EXISTING PIPE IN ACCORDANCE WITH STD. SPEC. 7-08.3(4). FOR SOLID WALL PIPES OUTSIDE OF THE ROADWAY PRISM ABANDONMENT MEANS REMOVING AS MUCH OF THE PIPE AS NECESSARY FOR CONSTRUCTION ACTIVITIES AND PLUGGING ALL PIPE ENDS. FOR PERFORATED PIPES AND ALL PIPES WITHIN THE ROADWAY PRISM ABANDONMENT MEANS REMOVING AS MUCH OF THE PIPE AS NECESSARY FOR CONSTRUCTION ACTIVITIES AND FILLING THE REMAINING PIPE WITH CONTROLLED DENSITY FILL (CDF).

AS-BUILT



ATKINSON
NOV 10 2020
RELEASED FOR CONSTRUCTION

0 50 100
SCALE IN FEET

LEGEND

1	- DRAINAGE STRUCTURE ID		- DROP INLET
DR01 1	- DRAINAGE STRUCTURE ID CONTINUED		- MANHOLE
ST — ST	- STORM SEWER PIPE		- ROCK OUTFALL PROTECTION
UD — UD	- UNDERDRAIN PIPE		- DRAINAGE DITCH
DP — DP	- DRAIN PIPE	CAVFS / CAVFS	- COMPOST AMENDED VEGETATED FILTER STRIP
	- CATCH BASIN		- EXISTING STORM TO BE REMOVED OR ABANDONED
	- GRATE INLET		
	- CULVERT PIPE		

FILE NAME	c:\pwworking\jacobs_b&i\pw-zlgweljd\dms20633\PS_DR09.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	2:50:45 PM	REV 4 - RFI0573	11/06/20		10	WASH	
DATE	11/2/2020	REV 3 - RFI0346	12/20/19		JOB NUMBER		
PLOTTED BY	JeffZ	REV 2 - RFI0184	9/27/19				
DESIGNED BY	J. ZIGWEID	REV 1 - RFI0091	4/30/19		CONTRACT NO.		LOCATION NO.
ENTERED BY	A. MAILLOUX	REV 0 - RFC	2/25/19		C9133		
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	1/25/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	11/16/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

STATE OF WASHINGTON — JEFFREY D. ZIGWEID — 51141 — REGISTERED PROFESSIONAL ENGINEER
11/06/20
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON CONSTRUCTION / JACOBS

I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

DRAINAGE PLAN

PLAN REF NO
DR09

SHEET 299 OF 1456 SHEETS

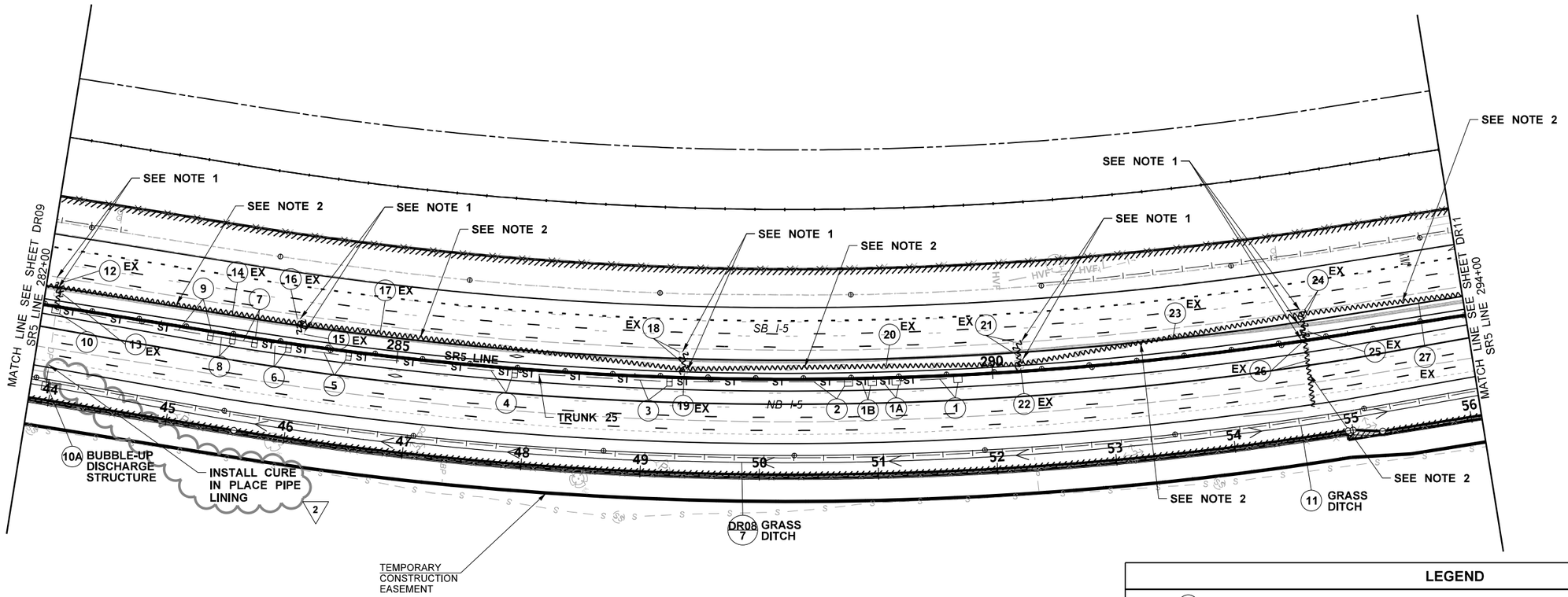
NOTES:

1. ABANDON OR REMOVE EXISTING STRUCTURE IN ACCORDANCE WITH STD. SPEC. 7-05.3(2).
2. ABANDON OR REMOVE EXISTING PIPE IN ACCORDANCE WITH STD. SPEC. 7-08.3(4). FOR SOLID WALL PIPES OUTSIDE OF THE ROADWAY PRISM ABANDONMENT MEANS REMOVING AS MUCH OF THE PIPE AS NECESSARY FOR CONSTRUCTION ACTIVITIES AND PLUGGING ALL PIPE ENDS. FOR PERFORATED PIPES AND ALL PIPES WITHIN THE ROADWAY PRISM ABANDONMENT MEANS REMOVING AS MUCH OF THE PIPE AS NECESSARY FOR CONSTRUCTION ACTIVITIES AND FILLING THE REMAINING PIPE WITH CONTROLLED DENSITY FILL (CDF).

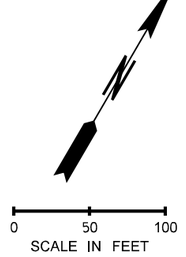
AS-BUILT

DRAINAGE REFERENCE SUMMARY

DESCRIPTION	PROFILE/DETAIL SHEET(S)
TRUNK 25	DP17



ATKINSON
JUL 26 2021
RELEASED FOR CONSTRUCTION



LEGEND

(1)	DRAINAGE STRUCTURE ID	▭	DROP INLET
(DR01 1)	DRAINAGE STRUCTURE ID CONTINUED	○	MANHOLE
ST — ST	STORM SEWER PIPE	▨	ROCK OUTFALL PROTECTION
UD — UD	UNDERDRAIN PIPE	→	DRAINAGE DITCH
DP — DP	DRAIN PIPE	CAVFS / CAVFS	COMPOST AMENDED VEGETATED FILTER STRIP
□	CATCH BASIN	∿∿∿	EXISTING STORM TO BE REMOVED OR ABANDONED
⊟	GRATE INLET		
———	CULVERT PIPE		

FILE NAME	c:\pwworking\jacobs_b&i\pw-zlgweljd\dms20633\PS_DR10.dgn						
TIME	8:38:55 AM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	7/19/2021						
PLOTTED BY	JeffZ	REV 2 - RFI0642	7/16/21		JOB NUMBER		
DESIGNED BY	J. ZIGWEID	REV 1 - RFI0091	4/30/19				
ENTERED BY	A. MAILLOUX	REV 0 - RFC	2/25/19				
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	1/25/19		CONTRACT NO. C9133		LOCATION NO.
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	11/16/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
7/23/21
P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

DRAINAGE PLAN

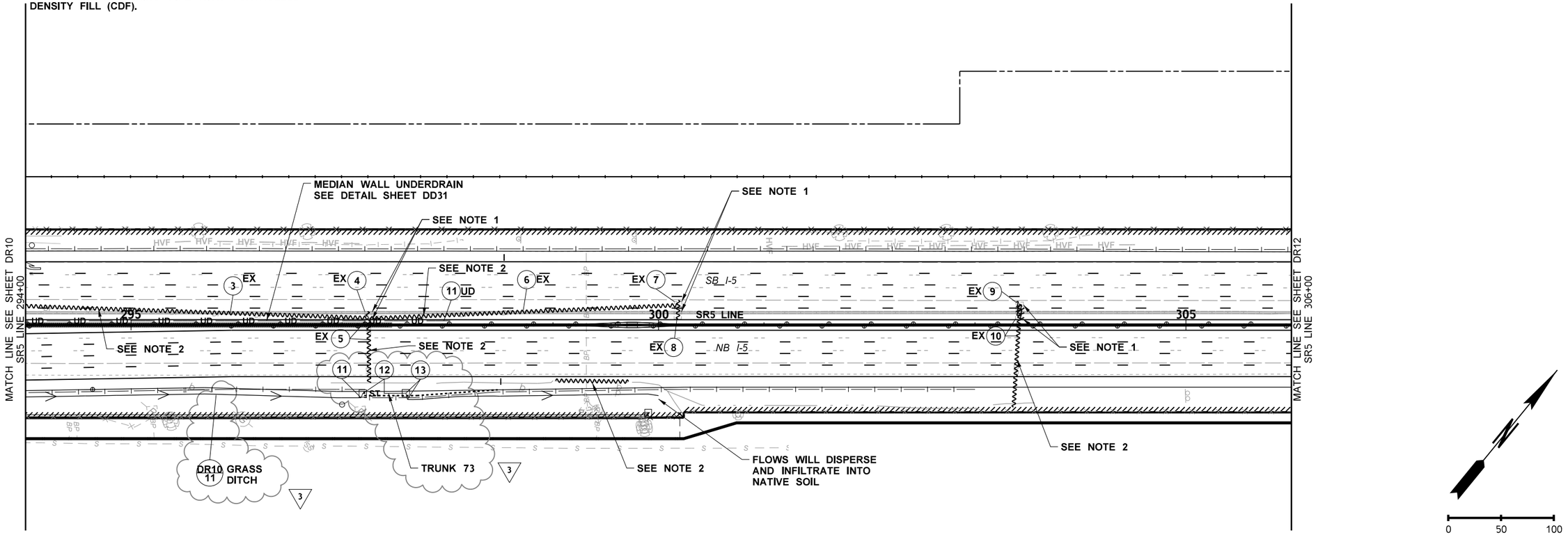
PLAN REF NO DR10

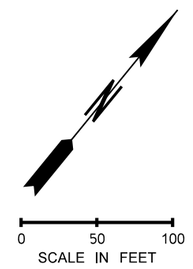
SHEET 300 OF 1456 SHEETS

NOTES:

1. ABANDON OR REMOVE EXISTING STRUCTURE IN ACCORDANCE WITH STD. SPEC. 7-05.3(2).
2. ABANDON OR REMOVE EXISTING PIPE IN ACCORDANCE WITH STD. SPEC. 7-08.3(4). FOR SOLID WALL PIPES OUTSIDE OF THE ROADWAY PRISM ABANDONMENT MEANS REMOVING AS MUCH OF THE PIPE AS NECESSARY FOR CONSTRUCTION ACTIVITIES AND PLUGGING ALL PIPE ENDS. FOR PERFORATED PIPES AND ALL PIPES WITHIN THE ROADWAY PRISM ABANDONMENT MEANS REMOVING AS MUCH OF THE PIPE AS NECESSARY FOR CONSTRUCTION ACTIVITIES AND FILLING THE REMAINING PIPE WITH CONTROLLED DENSITY FILL (CDF).

AS-BUILT





ATKINSON
DEC 23 2019
RELEASED FOR CONSTRUCTION

DRAINAGE REFERENCE SUMMARY

DESCRIPTION	PROFILE/DETAIL SHEET
TRUNK 73	DP21

LEGEND

- 1 - DRAINAGE STRUCTURE ID
- DR01 1 - DRAINAGE STRUCTURE ID CONTINUED
- ST — ST — STORM SEWER PIPE
- UD — UD — UNDERDRAIN PIPE
- DP — DP — DRAIN PIPE
- CATCH BASIN
- GRATE INLET
- CULVERT PIPE
- DROP INLET
- MANHOLE
- ROCK OUTFALL PROTECTION
- DRAINAGE DITCH
- CAVFS / CAVFS - COMPOST AMENDED VEGETATED FILTER STRIP
- EXISTING STORM TO BE REMOVED OR ABANDONED

FILE NAME	c:\pwworking\jacobs_b&i\ex-mailloa\dms20633\PS_DR11.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	1:39:59 PM						
DATE	12/19/2019	REV 3 - RFI 0346	12/20/19		JOB NUMBER		
PLOTTED BY	AndrewM	REV 2 - RFI0286	10/28/19				
DESIGNED BY	J. ZIGWEID	REV 1 - RFI0091	4/30/19		CONTRACT NO. C9133		LOCATION NO.
ENTERED BY	A. MAILLOUX	REV 0 - RFC	2/25/19				
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	1/25/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	11/16/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
12/20/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON CONSTRUCTION / JACOBS

I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

DRAINAGE PLAN

PLAN REF NO DR11

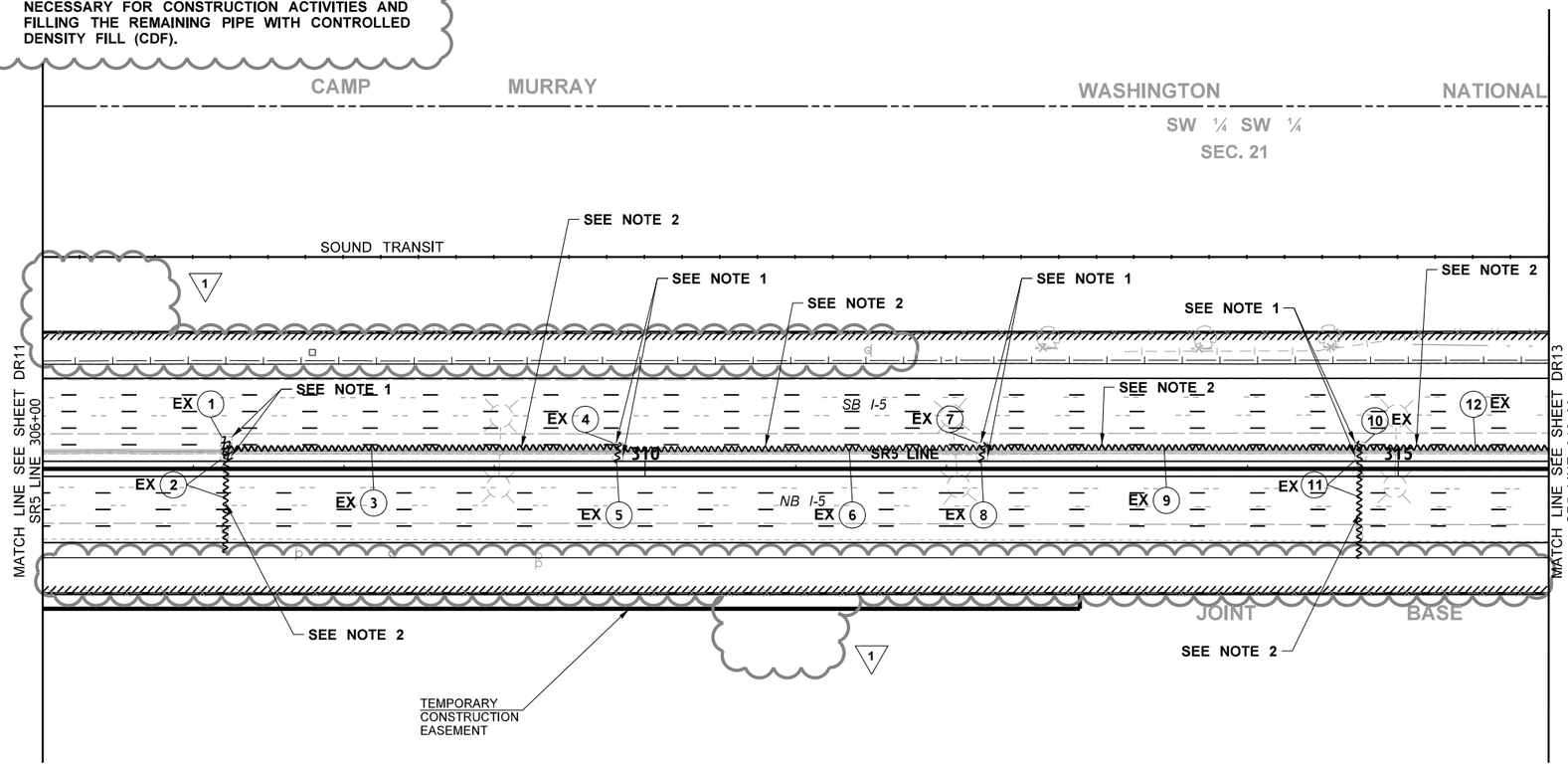
SHEET 301 OF 1456 SHEETS

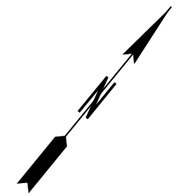
NOTES:

1. ABANDON OR REMOVE EXISTING STRUCTURE IN ACCORDANCE WITH STD. SPEC. 7-05.3(2).
2. ABANDON OR REMOVE EXISTING PIPE IN ACCORDANCE WITH STD. SPEC. 7-08.3(4). FOR SOLID WALL PIPES OUTSIDE OF THE ROADWAY PRISM ABANDONMENT MEANS REMOVING AS MUCH OF THE PIPE AS NECESSARY FOR CONSTRUCTION ACTIVITIES AND PLUGGING ALL PIPE ENDS. FOR PERFORATED PIPES AND ALL PIPES WITHIN THE ROADWAY PRISM ABANDONMENT MEANS REMOVING AS MUCH OF THE PIPE AS NECESSARY FOR CONSTRUCTION ACTIVITIES AND FILLING THE REMAINING PIPE WITH CONTROLLED DENSITY FILL (CDF).

AS-BUILT

ATKINSON
MAY 03 2019 KTW
RELEASED FOR CONSTRUCTION





LEGEND

(1)	DRAINAGE STRUCTURE ID	DROP INLET	
DR01 / 1	DRAINAGE STRUCTURE ID CONTINUED	MANHOLE	
ST — ST	STORM SEWER PIPE	ROCK OUTFALL PROTECTION	
UD — UD	UNDERDRAIN PIPE	DRAINAGE DITCH	
DP — DP	DRAIN PIPE	CAVFS / CAVFS	COMPOST AMENDED VEGETATED FILTER STRIP
□	CATCH BASIN	~~~	EXISTING STORM TO BE REMOVED OR ABANDONED
⊞	GRATE INLET		

FILE NAME	c:\pwworking\jacobs_b&i\pw-zigweljd\dms20633\PS_DR12.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.	
TIME	4:04:55 PM							
DATE	4/30/2019				JOB NUMBER			
PLOTTED BY	PW-ZIgwelJD							
DESIGNED BY	J. ZIGWEID	REV 1 - RFI0091	4/30/19		CONTRACT NO. C9133		LOCATION NO.	
ENTERED BY	A. MAILLOUX	REV 0 - RFC	2/25/19					
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	1/25/19					
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	11/16/18					
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY				

JEFFRY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
05/03/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

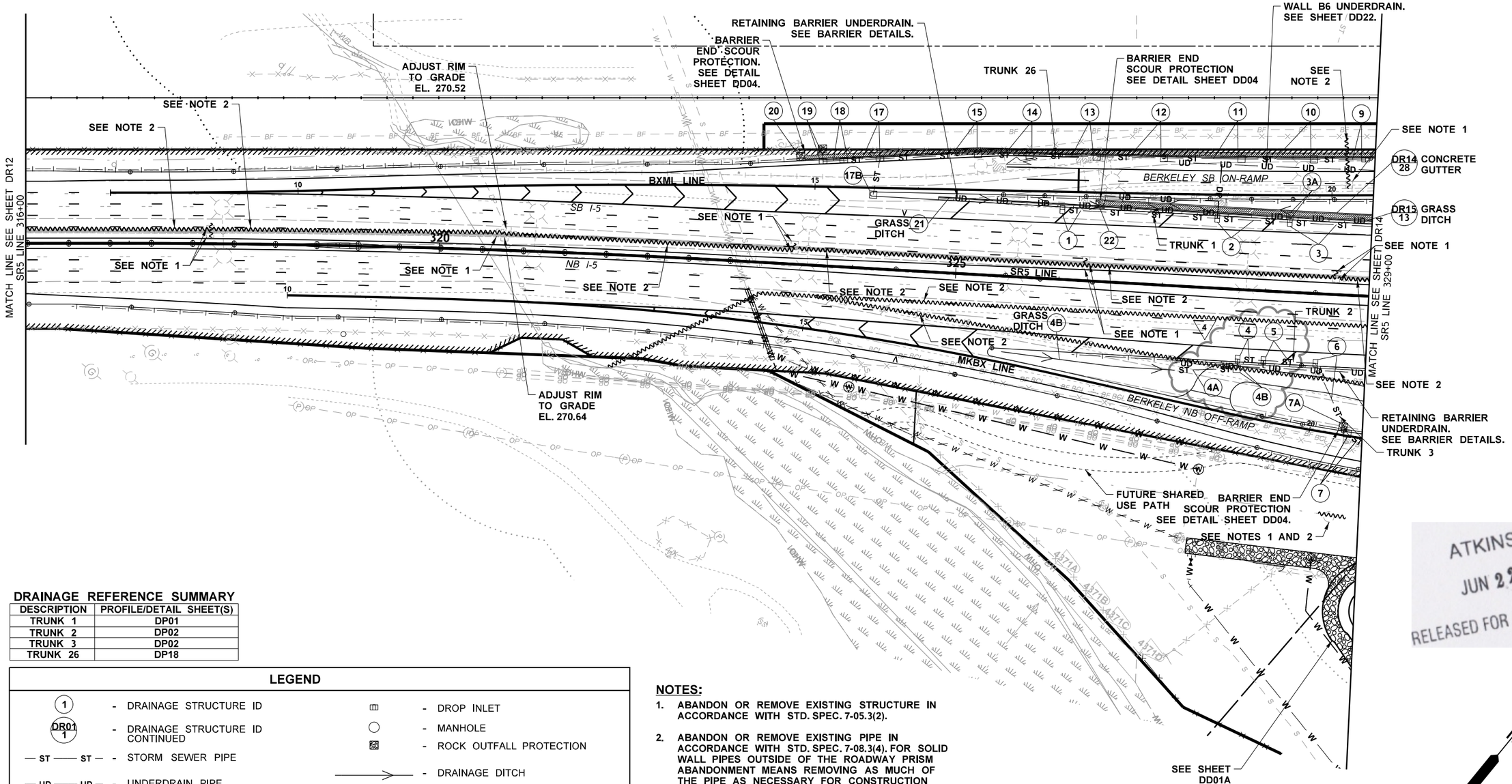
I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

DRAINAGE PLAN

PLAN REF NO DR12

SHEET 302 OF 1456 SHEETS

AS-BUILT



DRAINAGE REFERENCE SUMMARY

DESCRIPTION	PROFILE/DETAIL SHEET(S)
TRUNK 1	DP01
TRUNK 2	DP02
TRUNK 3	DP02
TRUNK 26	DP18

LEGEND

- (1) - DRAINAGE STRUCTURE ID
- DR01 1 - DRAINAGE STRUCTURE ID CONTINUED
- ST — ST — STORM SEWER PIPE
- UD — UD — UNDERDRAIN PIPE
- DP — DP — DRAIN PIPE
- CATCH BASIN
- GRATE INLET
- CULVERT PIPE
- DROP INLET
- MANHOLE
- ROCK OUTFALL PROTECTION
- DRAINAGE DITCH
- CAVFS — CAVFS - COMPOST AMENDED VEGETATED FILTER STRIP
- EXISTING STORM TO BE REMOVED OR ABANDONED

NOTES:

1. ABANDON OR REMOVE EXISTING STRUCTURE IN ACCORDANCE WITH STD. SPEC. 7-05.3(2).
2. ABANDON OR REMOVE EXISTING PIPE IN ACCORDANCE WITH STD. SPEC. 7-08.3(4). FOR SOLID WALL PIPES OUTSIDE OF THE ROADWAY PRISM ABANDONMENT MEANS REMOVING AS MUCH OF THE PIPE AS NECESSARY FOR CONSTRUCTION ACTIVITIES AND PLUGGING ALL PIPE ENDS. FOR PERFORATED PIPES AND ALL PIPES WITHIN THE ROADWAY PRISM ABANDONMENT MEANS REMOVING AS MUCH OF THE PIPE AS NECESSARY FOR CONSTRUCTION ACTIVITIES AND FILLING THE REMAINING PIPE WITH CONTROLLED DENSITY FILL (CDF).

ATKINSON
JUN 22 2020 KTW
RELEASED FOR CONSTRUCTION

0 50 100
SCALE IN FEET

FILE NAME	c:\pwworking\jacobs_b&\lex-mailloa\dms20633\PS_DR13.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
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DATE	6/17/2020	REV 3 - RFI0420	2/27/20		JOB NUMBER		
PLOTTED BY	AndrewM	REV 2 - RFI 0182	9/30/19				
DESIGNED BY	J. ZIGWEID	REV 1 - RELEASE OF NFC	4/17/19		CONTRACT NO.		LOCATION NO.
ENTERED BY	A. MAILLOUX	REV C - FINAL REVIEW	3/01/19		C9133		
CHECKED BY	J. ZIGWEID	REV 0 - RFC	2/25/19				
PROJ. ENGR.	C. MEADE	REV B - FINAL REVIEW	1/25/19				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFERY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
6/19/20
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

DRAINAGE PLAN

PLAN REF NO DR13

SHEET 303 OF 1456 SHEETS

NOTES:

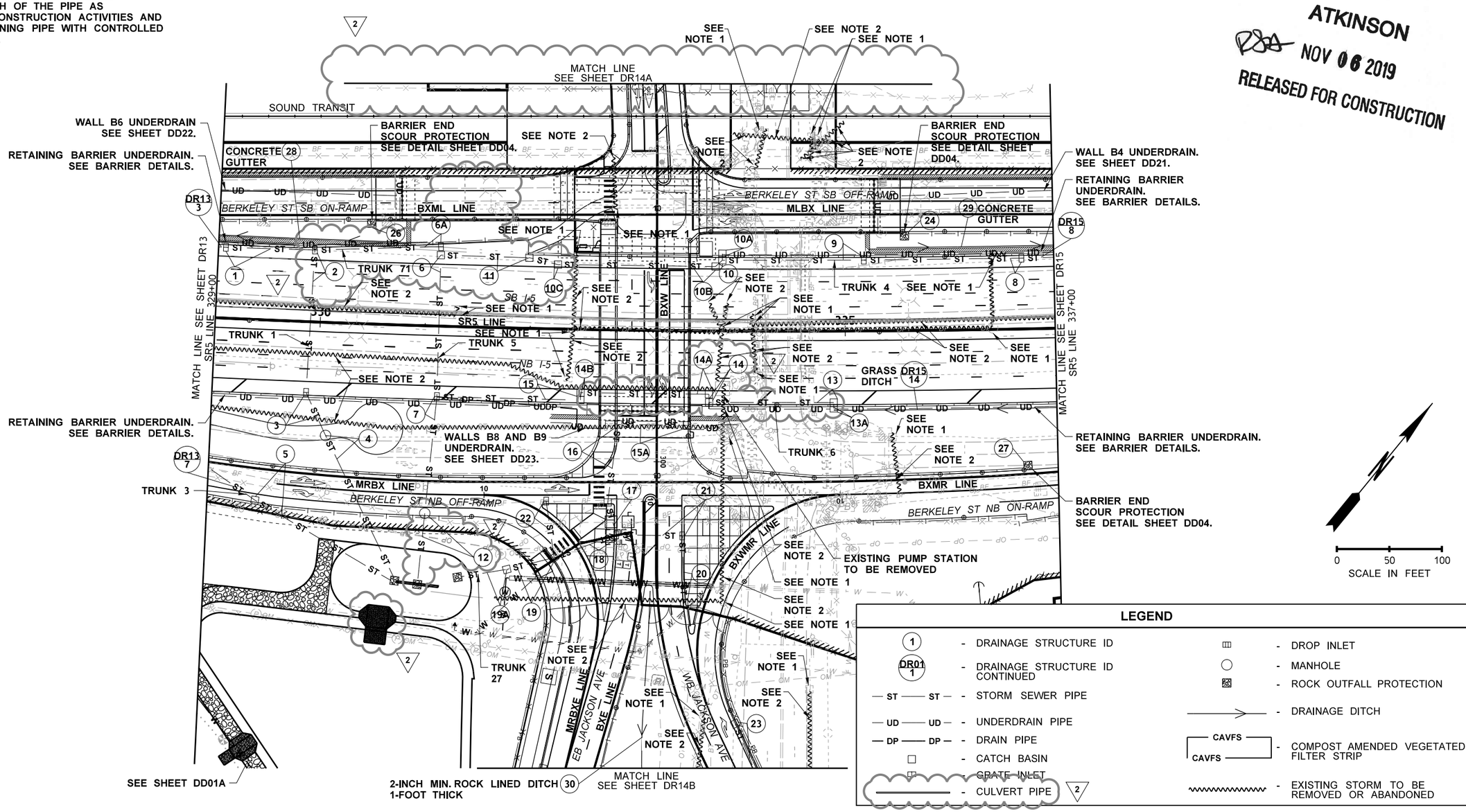
1. ABANDON OR REMOVE EXISTING STRUCTURE IN ACCORDANCE WITH STD. SPEC. 7-05.3(2).
2. ABANDON OR REMOVE EXISTING PIPE IN ACCORDANCE WITH STD. SPEC. 7-08.3(4). FOR SOLID WALL PIPES OUTSIDE OF THE ROADWAY PRISM ABANDONMENT MEANS REMOVING AS MUCH OF THE PIPE AS NECESSARY FOR CONSTRUCTION ACTIVITIES AND PLUGGING ALL PIPE ENDS. FOR PERFORATED PIPES AND ALL PIPES WITHIN THE ROADWAY PRISM ABANDONMENT MEANS REMOVING AS MUCH OF THE PIPE AS NECESSARY FOR CONSTRUCTION ACTIVITIES AND FILLING THE REMAINING PIPE WITH CONTROLLED DENSITY FILL (CDF).

AS-BUILT

DRAINAGE REFERENCE SUMMARY

DESCRIPTION	PROFILE/DETAIL SHEET(S)
TRUNK 1	DP01
TRUNK 3	DP02
TRUNK 4	DP02-DP04
TRUNK 5	DP05
TRUNK 6	DP05
TRUNK 27	DP19
TRUNK 71	DP24

ATKINSON
NOV 06 2019
RELEASED FOR CONSTRUCTION



LEGEND

- (1) - DRAINAGE STRUCTURE ID
- DR01 / 1 - DRAINAGE STRUCTURE ID CONTINUED
- ST — ST - STORM SEWER PIPE
- UD — UD - UNDERDRAIN PIPE
- DP — DP - DRAIN PIPE
- CATCH BASIN
- GRATE INLET
- CULVERT PIPE (2)
- DROP INLET
- MANHOLE
- ROCK OUTFALL PROTECTION
- DRAINAGE DITCH
- CAVFS — CAVFS - COMPOST AMENDED VEGETATED FILTER STRIP
- EXISTING STORM TO BE REMOVED OR ABANDONED

FILE NAME	c:\pwworking\jacobs_b&i\pw-zigweijd\dms20633\PS_DR14.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	11:08:33 AM				10	WASH	
DATE	10/30/2019				JOB NUMBER		
PLOTTED BY	JeffZ	REV 2 - RFI0222	10/21/19				
DESIGNED BY	J. ZIGWEID	REV 1 - RFI0104	05/24/19		CONTRACT NO.		LOCATION NO.
ENTERED BY	A. MAILLOUX	REV 0 - RFC	04/17/19		C9133		
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	03/01/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	11/16/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 21141 — REGISTERED PROFESSIONAL ENGINEER
11/6/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

DRAINAGE PLAN

PLAN REF NO
DR14

SHEET 304 OF 1456 SHEETS

LEGEND

(1)	DRAINAGE STRUCTURE ID	▭	DROP INLET
(DR01 1)	DRAINAGE STRUCTURE ID CONTINUED	○	MANHOLE
— ST — ST —	STORM SEWER PIPE	▨	ROCK OUTFALL PROTECTION
— UD — UD —	UNDERDRAIN PIPE	——→——	DRAINAGE DITCH
— DP — DP —	DRAIN PIPE	CAVFS / CAVFS	COMPOST AMENDED VEGETATED FILTER STRIP
□	CATCH BASIN		
▭	GRATE INLET	~~~~~~~~	EXISTING STORM TO BE REMOVED OR ABANDONED
═══	CULVERT PIPE		

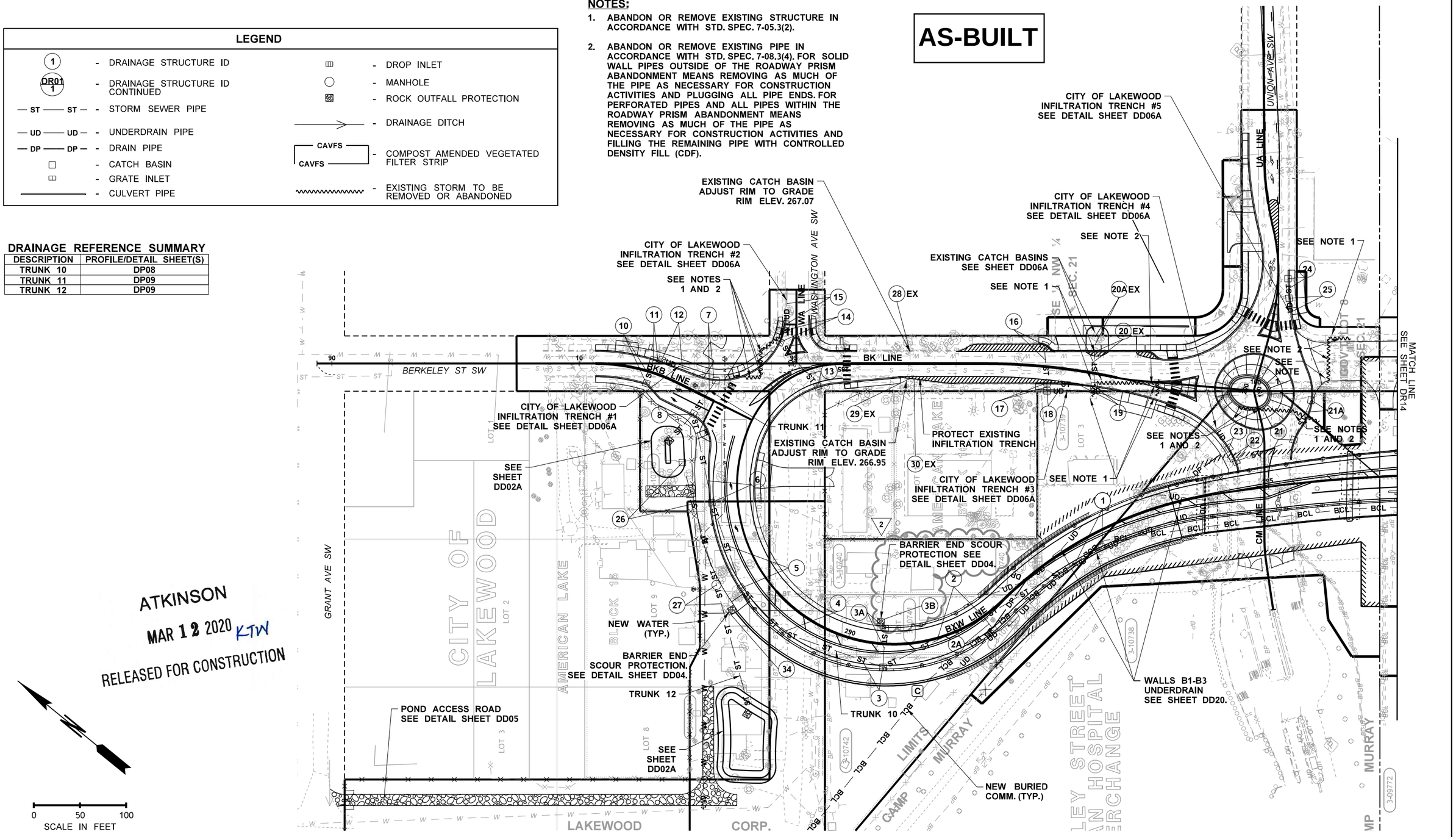
DRAINAGE REFERENCE SUMMARY

DESCRIPTION	PROFILE/DETAIL SHEET(S)
TRUNK 10	DP08
TRUNK 11	DP09
TRUNK 12	DP09

NOTES:

1. ABANDON OR REMOVE EXISTING STRUCTURE IN ACCORDANCE WITH STD. SPEC. 7-05.3(2).
2. ABANDON OR REMOVE EXISTING PIPE IN ACCORDANCE WITH STD. SPEC. 7-08.3(4). FOR SOLID WALL PIPES OUTSIDE OF THE ROADWAY PRISM ABANDONMENT MEANS REMOVING AS MUCH OF THE PIPE AS NECESSARY FOR CONSTRUCTION ACTIVITIES AND PLUGGING ALL PIPE ENDS. FOR PERFORATED PIPES AND ALL PIPES WITHIN THE ROADWAY PRISM ABANDONMENT MEANS REMOVING AS MUCH OF THE PIPE AS NECESSARY FOR CONSTRUCTION ACTIVITIES AND FILLING THE REMAINING PIPE WITH CONTROLLED DENSITY FILL (CDF).

AS-BUILT



ATKINSON
MAR 12 2020 KTW
RELEASED FOR CONSTRUCTION

FILE NAME	c:\pwworking\jacobs_b&l\ex-mailloa\dms20633\PS_DR14A.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	1:48:21 PM				10	WASH	
DATE	2/28/2020				JOB NUMBER		
PLOTTED BY	AndrewM	REV 2 - RFI0420	02/27/20				
DESIGNED BY	J. ZIGWEID	REV 1 - RFI 0373, RFI 0392	01/28/20		CONTRACT NO.		LOCATION NO.
ENTERED BY	A. MAILLOUX	REV 0 - RFC	07/08/19		C9133		
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	05/31/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	11/16/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 21141 — REGISTERED PROFESSIONAL ENGINEER
3/12/20
P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

DRAINAGE PLAN

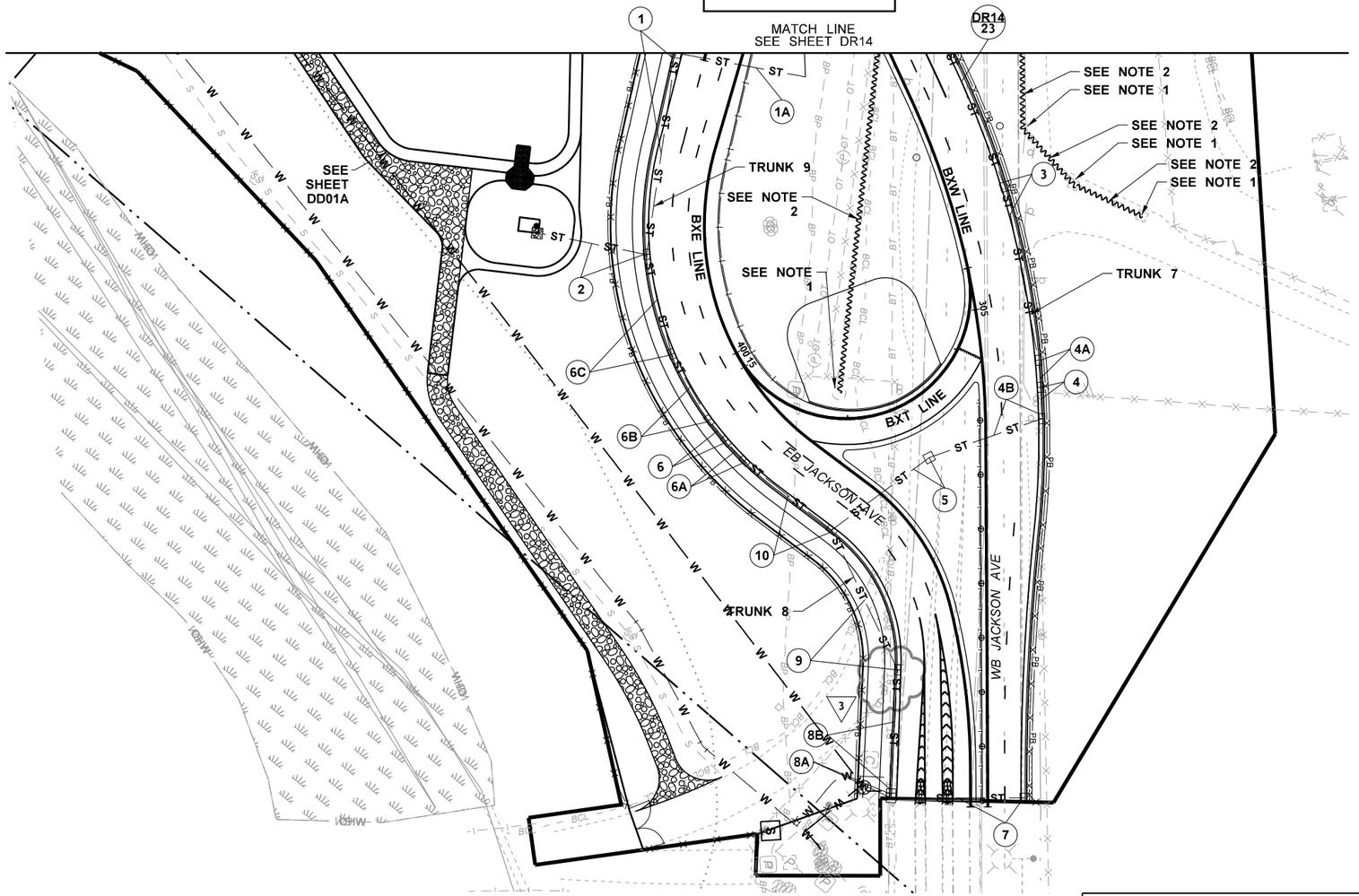
PLAN REF NO
DR14A

SHEET 305 OF 1456 SHEETS

AS-BUILT

DRAINAGE REFERENCE SUMMARY

DESCRIPTION	PROFILE/DETAIL SHEET(S)
TRUNK 7	DP06
TRUNK 8	DP07
TRUNK 9	DP07



ATKINSON
JUN 16 2020 KTW
RELEASED FOR CONSTRUCTION

0 50 100
SCALE IN FEET

NOTES:

1. ABANDON OR REMOVE EXISTING STRUCTURE IN ACCORDANCE WITH STD. SPEC. 7-05.3(2).
2. ABANDON OR REMOVE EXISTING PIPE IN ACCORDANCE WITH STD. SPEC. 7-08.3(4). FOR SOLID WALL PIPES OUTSIDE OF THE ROADWAY PRISM ABANDONMENT MEANS REMOVING AS MUCH OF THE PIPE AS NECESSARY FOR CONSTRUCTION ACTIVITIES AND PLUGGING ALL PIPE ENDS. FOR PERFORATED PIPES AND ALL PIPES WITHIN THE ROADWAY PRISM ABANDONMENT MEANS REMOVING AS MUCH OF THE PIPE AS NECESSARY FOR CONSTRUCTION ACTIVITIES AND FILLING THE REMAINING PIPE WITH CONTROLLED DENSITY FILL (CDF).

LEGEND

- (1) - DRAINAGE STRUCTURE ID
- (DR01 / 1) - DRAINAGE STRUCTURE ID CONTINUED
- ST — ST - STORM SEWER PIPE
- UD — UD - UNDERDRAIN PIPE
- DP — DP - DRAIN PIPE
- □ - CATCH BASIN
- ⊞ - GRATE INLET
- ▭ - CULVERT PIPE
- ⊞ - DROP INLET
- ○ - MANHOLE
- ▨ - ROCK OUTFALL PROTECTION
- → - DRAINAGE DITCH
- CAVFS / CAVFS - COMPOST AMENDED VEGETATED FILTER STRIP
- ∿∿∿ - EXISTING STORM TO BE REMOVED OR ABANDONED

FILE NAME	c:\pwworking\jacobs_b&l\ex-mailloa\dms20633\PS_DR14B.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	1:07:08 PM				10	WASH	
DATE	6/8/2020	REV 3 - RFI0487	06/12/20		JOB NUMBER		
PLOTTED BY	AndrewM	REV 2 - RFI0351	01/28/20				
DESIGNED BY	J. ZIGWEID	REV 1 - RFI0140	07/08/19				
ENTERED BY	A. MAILLOUX	REV 0 - RFC	04/17/19				
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	03/01/19		CONTRACT NO.	LOCATION NO.	
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	11/16/18		C9133		
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 57174 — REGISTERED PROFESSIONAL ENGINEER
6/15/20
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

DRAINAGE PLAN

PLAN REF NO
DR14B

SHEET 306 OF 1456 SHEETS

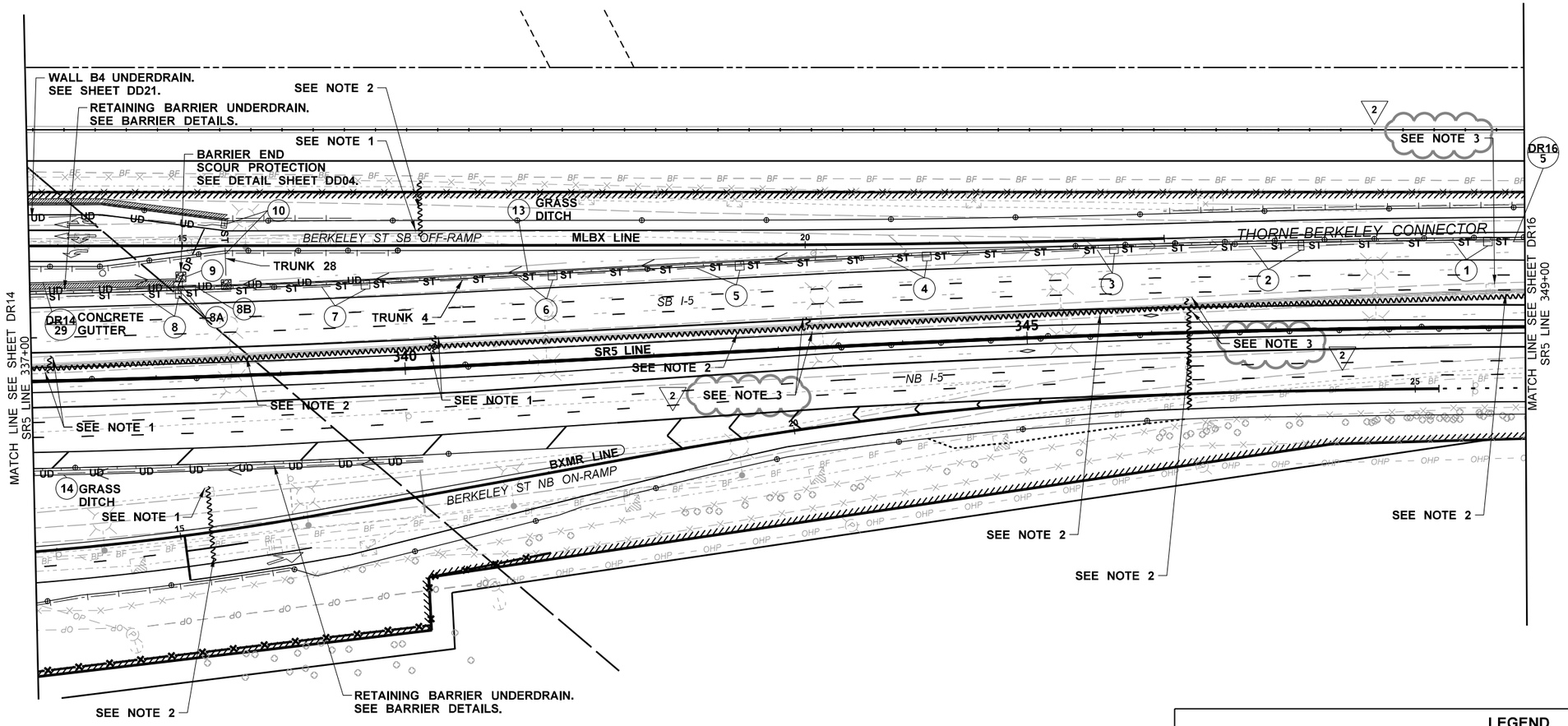
NOTES:

1. ABANDON OR REMOVE EXISTING STRUCTURE IN ACCORDANCE WITH STD. SPEC. 7-05.3(2).
2. ABANDON OR REMOVE EXISTING PIPE IN ACCORDANCE WITH STD. SPEC. 7-08.3(4). FOR SOLID WALL PIPES OUTSIDE OF THE ROADWAY PRISM ABANDONMENT MEANS REMOVING AS MUCH OF THE PIPE AS NECESSARY FOR CONSTRUCTION ACTIVITIES AND PLUGGING ALL PIPE ENDS. FOR PERFORATED PIPES AND ALL PIPES WITHIN THE ROADWAY PRISM ABANDONMENT MEANS REMOVING AS MUCH OF THE PIPE AS NECESSARY FOR CONSTRUCTION ACTIVITIES AND FILLING THE REMAINING PIPE WITH CONTROLLED DENSITY FILL (CDF).
3. ABANDON EXISTING MEDIAN STRUCTURE BY REMOVING THE FRAME AND GRATE, BREAKING DOWN THE STRUCTURE TO A DEPTH OF AT LEAST 18 INCHES BELOW THE FINISHED GRADE, AND FILLING THE VOID WITH CDF TO AN ELEVATION THAT IS FLUSH WITH THE EXISTING HMA.

DRAINAGE REFERENCE SUMMARY

DESCRIPTION	PROFILE/DETAIL SHEET(S)
TRUNK 4	DP02-DP04
TRUNK 28	DP19

AS-BUILT



0 50 100
SCALE IN FEET

ATKINSON
MAR 02 2021
RELEASED FOR CONSTRUCTION

LEGEND

- (1) - DRAINAGE STRUCTURE ID
- DR01 1 - DRAINAGE STRUCTURE ID CONTINUED
- ST — ST - STORM SEWER PIPE
- UD — UD - UNDERDRAIN PIPE
- DP — DP - DRAIN PIPE
- □ - CATCH BASIN
- ⊞ - GRATE INLET
- CULVERT PIPE
- ⊞ - DROP INLET
- ○ - MANHOLE
- ▨ - ROCK OUTFALL PROTECTION
- DRAINAGE DITCH
- CAVFS — CAVFS - COMPOST AMENDED VEGETATED FILTER STRIP
- EXISTING STORM TO BE REMOVED OR ABANDONED

FILE NAME	c:\pwworking\jacobs_b&i\pw-zigweijd\dms20633\PS_DR15.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	10:19:31 AM						
DATE	3/1/2021						
PLOTTED BY	jeffz	REV 2 - RFI0613	03/01/21		JOB NUMBER		
DESIGNED BY	J. ZIGWEID	REV 1 - RFI0530	08/26/20				
ENTERED BY	A. MAILLOUX	REV 0 - RFC	04/17/19		CONTRACT NO. C9133		LOCATION NO.
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	03/01/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	11/16/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID STATE OF WASHINGTON 51141 REGISTERED PROFESSIONAL ENGINEER
3/01/21
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

DRAINAGE PLAN

PLAN REF NO DR15

SHEET 307 OF 1456 SHEETS

NOTES:

1. ABANDON OR REMOVE EXISTING STRUCTURE IN ACCORDANCE WITH STD. SPEC. 7-05.3(2).

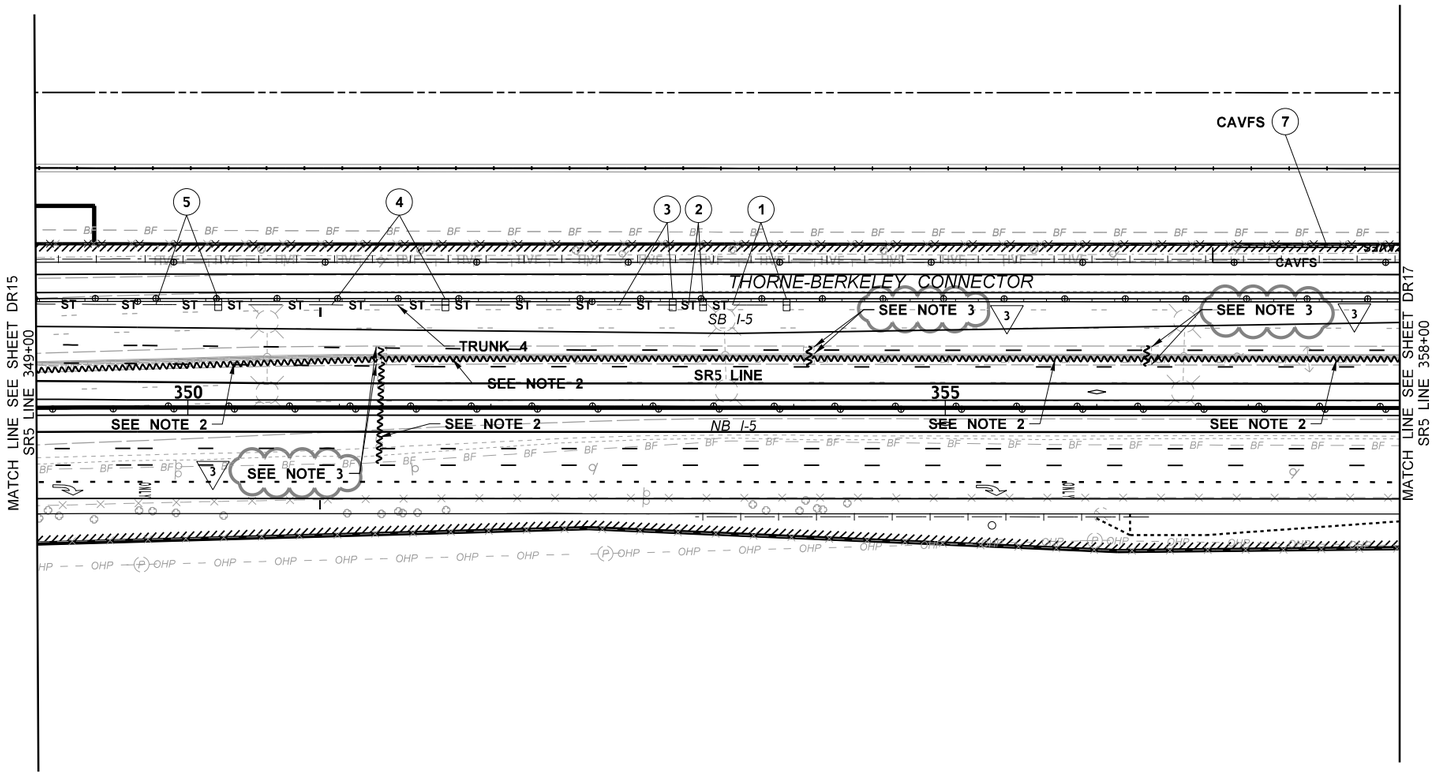
2. ABANDON OR REMOVE EXISTING PIPE IN ACCORDANCE WITH STD. SPEC. 7-08.3(4). FOR SOLID WALL PIPES OUTSIDE OF THE ROADWAY PRISM ABANDONMENT MEANS REMOVING AS MUCH OF THE PIPE AS NECESSARY FOR CONSTRUCTION ACTIVITIES AND PLUGGING ALL PIPE ENDS. FOR PERFORATED PIPES AND ALL PIPES WITHIN THE ROADWAY PRISM ABANDONMENT MEANS REMOVING AS MUCH OF THE PIPE AS NECESSARY FOR CONSTRUCTION ACTIVITIES AND FILLING THE REMAINING PIPE WITH CONTROLLED DENSITY FILL (CDF).

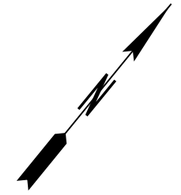
3. ABANDON EXISTING MEDIAN STRUCTURE BY REMOVING THE FRAME AND GRATE, BREAKING DOWN THE STRUCTURE TO A DEPTH OF AT LEAST 18 INCHES BELOW THE FINISHED GRADE, AND FILLING THE VOID WITH CDF TO AN ELEVATION THAT IS FLUSH WITH THE EXISTING HMA.

AS-BUILT

DRAINAGE REFERENCE SUMMARY

DESCRIPTION	PROFILE/DETAIL SHEET(S)
TRUNK 4	DP02-DP04





0 50 100
SCALE IN FEET

LEGEND

(1)	- DRAINAGE STRUCTURE ID	▥	- DROP INLET
DR01 / 1	- DRAINAGE STRUCTURE ID CONTINUED	○	- MANHOLE
— ST — ST —	- STORM SEWER PIPE	▨	- ROCK OUTFALL PROTECTION
— UD — UD —	- UNDERDRAIN PIPE	→	- DRAINAGE DITCH
— DP — DP —	- DRAIN PIPE	CAVFS / CAVFS	- COMPOST AMENDED VEGETATED FILTER STRIP
□	- CATCH BASIN	∿∿∿∿∿∿∿∿	- EXISTING STORM TO BE REMOVED OR ABANDONED
⊞	- GRATE INLET		
═══	- CULVERT PIPE		

ATKINSON
MAR 02 2021
RELEASED FOR CONSTRUCTION

FILE NAME	c:\pwworking\jacobs_b&i\pw-zlgweljd\dms20633\PS_DR16.dgn				REGION NO.	STATE	FED.AID PROJ.NO.	
TIME	10:26:35 AM	REV 3 - RFI0613	03/01/21		10	WASH		
DATE	3/1/2021	REV 2 - RFI0367	01/22/20		JOB NUMBER			
PLOTTED BY	jeffz	REV 1 - RFC	08/14/19					
DESIGNED BY	J. ZIGWEID	REV D - FINAL REVIEW	06/26/19					
ENTERED BY	A. MAILLOUX	REV 0 - RFC	04/17/19					
CHECKED BY	J. ZIGWEID	REV C - PRELIMINARY REVIEW	03/15/19		CONTRACT NO.		LOCATION NO.	
PROJ. ENGR.	C. MEADE	REV B - FINAL REVIEW	03/01/19		C9133			
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY				

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
3/01/21
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

DRAINAGE PLAN

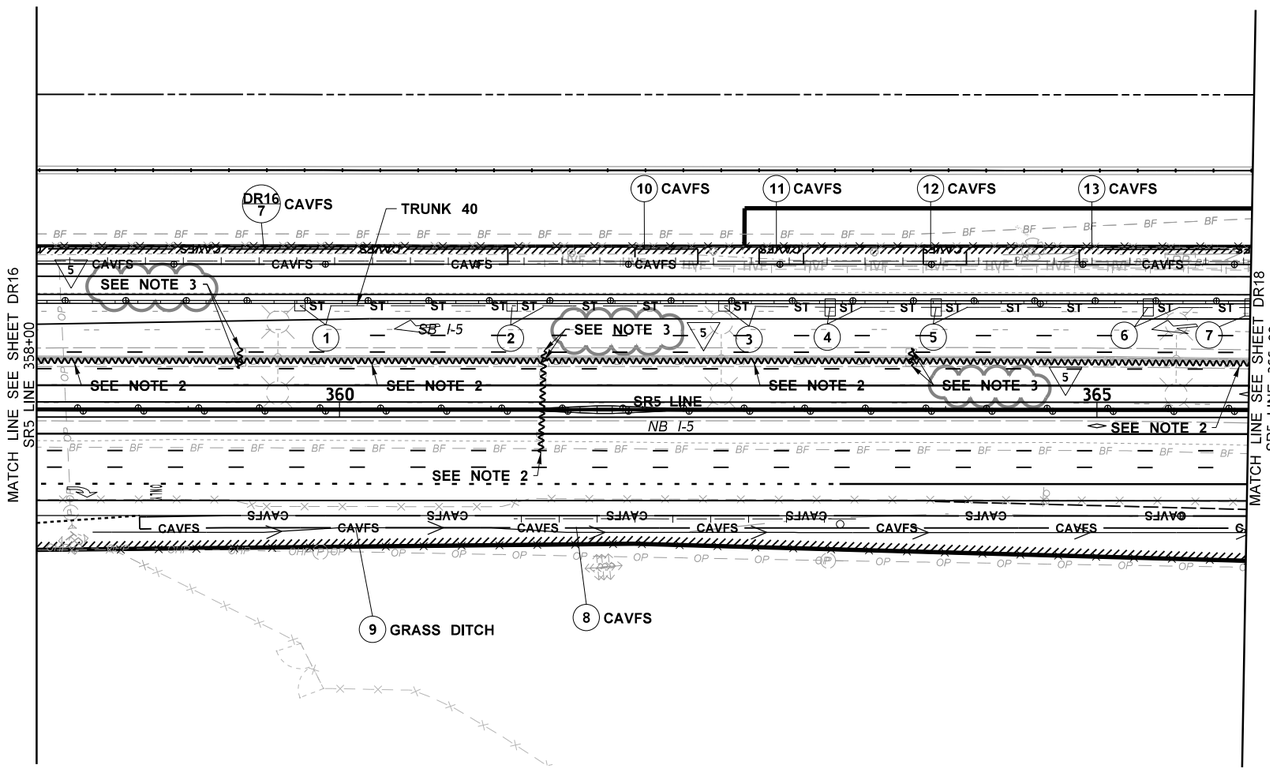
PLAN REF NO
DR16

SHEET 308 OF 1456 SHEETS

DRAINAGE REFERENCE SUMMARY

DESCRIPTION	PROFILE/DETAIL SHEET(S)
TRUNK 40	DP22

AS-BUILT



NOTES:

1. ABANDON OR REMOVE EXISTING STRUCTURE IN ACCORDANCE WITH STD. SPEC. 7-05.3(2).
2. ABANDON OR REMOVE EXISTING PIPE IN ACCORDANCE WITH STD. SPEC. 7-08.3(4). FOR SOLID WALL PIPES OUTSIDE OF THE ROADWAY PRISM ABANDONMENT MEANS REMOVING AS MUCH OF THE PIPE AS NECESSARY FOR CONSTRUCTION ACTIVITIES AND PLUGGING ALL PIPE ENDS. FOR PERFORATED PIPES AND ALL PIPES WITHIN THE ROADWAY PRISM ABANDONMENT MEANS REMOVING AS MUCH OF THE PIPE AS NECESSARY FOR CONSTRUCTION ACTIVITIES AND FILLING THE REMAINING PIPE WITH CONTROLLED DENSITY FILL (CDF).

5

3. ABANDON EXISTING MEDIAN STRUCTURE BY REMOVING THE FRAME AND GRATE, BREAKING DOWN THE STRUCTURE TO A DEPTH OF AT LEAST 18 INCHES BELOW THE FINISHED GRADE, AND FILLING THE VOID WITH CDF TO AN ELEVATION THAT IS FLUSH WITH THE EXISTING HMA.

ATKINSON

MAR 02 2021

RELEASED FOR CONSTRUCTION

0 50 100
SCALE IN FEET

LEGEND

(1)	- DRAINAGE STRUCTURE ID	▥	- DROP INLET
DR01 / 1	- DRAINAGE STRUCTURE ID CONTINUED	○	- MANHOLE
— ST — ST —	- STORM SEWER PIPE	▨	- ROCK OUTFALL PROTECTION
— UD — UD —	- UNDERDRAIN PIPE	——>	- DRAINAGE DITCH
— DP — DP —	- DRAIN PIPE	CAVFS / CAVFS	- COMPOST AMENDED VEGETATED FILTER STRIP
□	- CATCH BASIN	∿∿∿∿∿∿∿∿	- EXISTING STORM TO BE REMOVED OR ABANDONED
⊞	- GRATE INLET		
———	- CULVERT PIPE		

FILE NAME	c:\pwworking\jacobs_b&i\pw-zlgweljd\dms20633\PS_DR17.dgn							
TIME	10:36:42 AM	REV 5 - RFI0613	03/01/21		REGION NO. 10	STATE WASH	FED.AID PROJ.NO.	
DATE	3/1/2021	REV 4 - RFI0601	01/04/21					
PLOTTED BY	jeffz	REV C - FINAL REVIEW	11/20/20		JOB NUMBER			
DESIGNED BY	J. ZIGWEID	REV 3 - RFI0570	10/30/20					
ENTERED BY	A. MAILLOUX	REV 2 - RFI0429	03/20/20		CONTRACT NO. C9133		LOCATION NO.	
CHECKED BY	J. ZIGWEID	REV 1 - RFI0367	01/22/20					
PROJ. ENGR.	C. MEADE	REV 0 - RFC	08/14/19					
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY				

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 31141 — REGISTERED PROFESSIONAL ENGINEER
3/01/21
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

DRAINAGE PLAN

PLAN REF NO DR17

SHEET 309 OF 1456 SHEETS

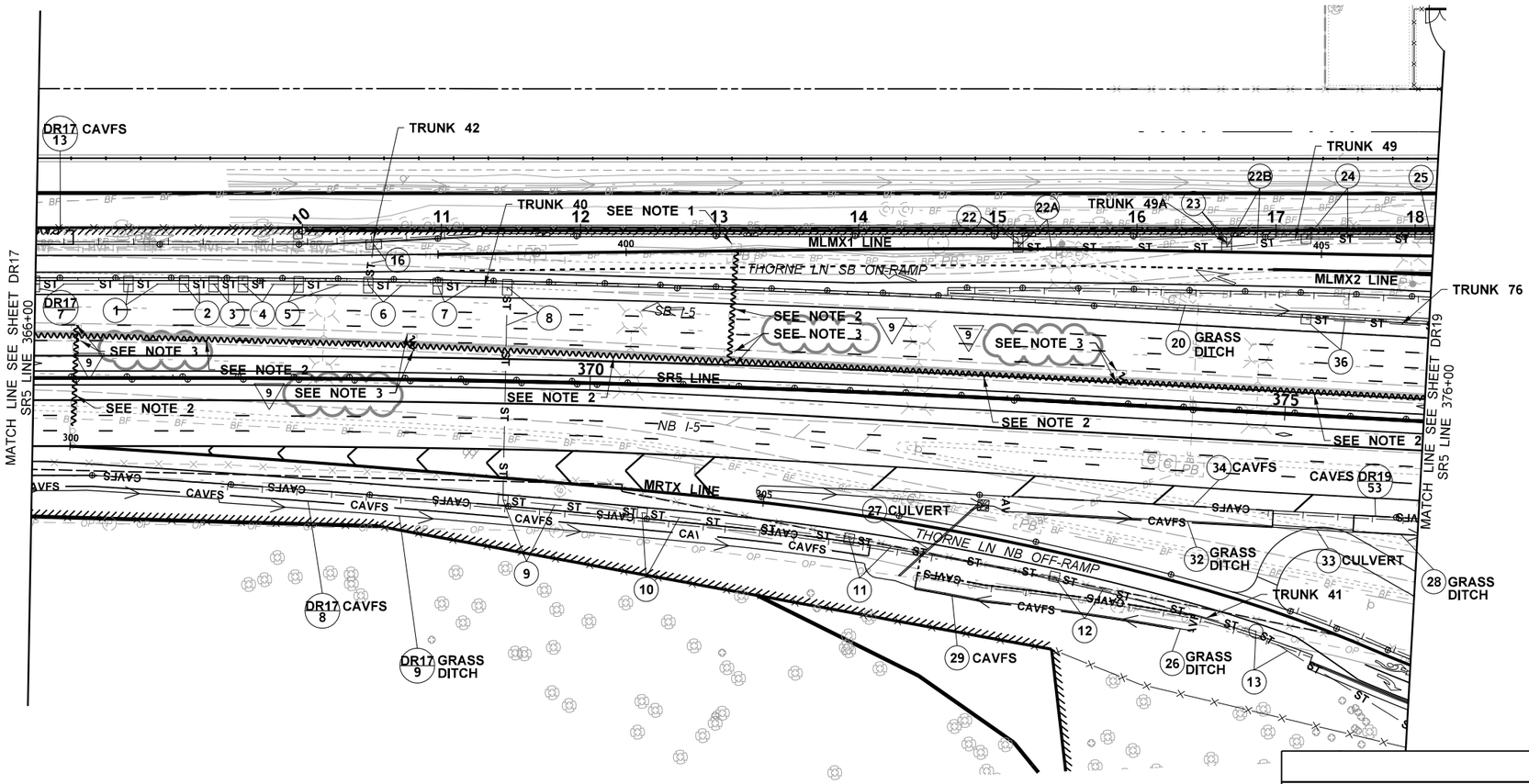
NOTES:

1. ABANDON OR REMOVE EXISTING STRUCTURE IN ACCORDANCE WITH STD. SPEC. 7-05.3(2).
2. ABANDON OR REMOVE EXISTING PIPE IN ACCORDANCE WITH STD. SPEC. 7-08.3(4). FOR SOLID WALL PIPES OUTSIDE OF THE ROADWAY PRISM ABANDONMENT MEANS REMOVING AS MUCH OF THE PIPE AS NECESSARY FOR CONSTRUCTION ACTIVITIES AND PLUGGING ALL PIPE ENDS. FOR PERFORATED PIPES AND ALL PIPES WITHIN THE ROADWAY PRISM ABANDONMENT MEANS REMOVING AS MUCH OF THE PIPE AS NECESSARY FOR CONSTRUCTION ACTIVITIES AND FILLING THE REMAINING PIPE WITH CONTROLLED DENSITY FILL (CDF).
3. ABANDON EXISTING MEDIAN STRUCTURE BY REMOVING THE FRAME AND GRATE, BREAKING DOWN THE STRUCTURE TO A DEPTH OF AT LEAST 18 INCHES BELOW THE FINISHED GRADE, AND FILLING THE VOID WITH CDF TO AN ELEVATION THAT IS FLUSH WITH THE EXISTING HMA.

AS-BUILT

DRAINAGE REFERENCE SUMMARY

DESCRIPTION	PROFILE/DETAIL SHEET(S)
TRUNK 40	DP22
TRUNK 41	DP23
TRUNK 42	DP24
TRUNK 49	DP32
TRUNK 49A	DP32
TRUNK 76	DP40
CULVERT DR18-33	DP36
CULVERT DR18-27	DP26



ATKINSON

MAR 02 2021 JSW

RELEASED FOR CONSTRUCTION

N

0 50 100
SCALE IN FEET

LEGEND

1	DRAINAGE STRUCTURE ID		DROP INLET
DR01 1	DRAINAGE STRUCTURE ID CONTINUED		MANHOLE
ST — ST	STORM SEWER PIPE		ROCK OUTFALL PROTECTION
UD — UD	UNDERDRAIN PIPE		DRAINAGE DITCH
DP — DP	DRAIN PIPE	CAVFS / CAVFS	COMPOST AMENDED VEGETATED FILTER STRIP
	CATCH BASIN		EXISTING STORM TO BE REMOVED OR ABANDONED
	GRATE INLET		
	CULVERT PIPE		

FILE NAME	c:\pwworking\jacobs_b&I\pw-zlgweljd\dms20633\PS_DR18.dgn							
TIME	10:39:11 AM	REV 9 - RFI0613	03/01/21		REGION NO. 10	STATE WASH	FED.AID PROJ.NO.	
DATE	3/1/2021	REV 8 - RFI0599 / RELEASE OF NFC	01/05/21		JOB NUMBER			
PLOTTED BY	jeffz	REV 7 - RFI0601	01/04/21					
DESIGNED BY	J. ZIGWEID	REV C - FINAL REVIEW	11/20/20					
ENTERED BY	A. MAILLOUX	REV 6 - RFI0570	10/30/20					
CHECKED BY	J. ZIGWEID	REV 5 - RFI0439	03/27/20		CONTRACT NO. C9133		LOCATION NO.	
PROJ. ENGR.	C. MEADE	REV 4 - RFI0429	03/20/20					
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY				

JEFFERY D. ZIGWEID — STATE OF WASHINGTON — 21141 — REGISTERED PROFESSIONAL ENGINEER

3/01/21 DATE

P.E. STAMP BOX

DATE

P.E. STAMP BOX

Washington State Department of Transportation

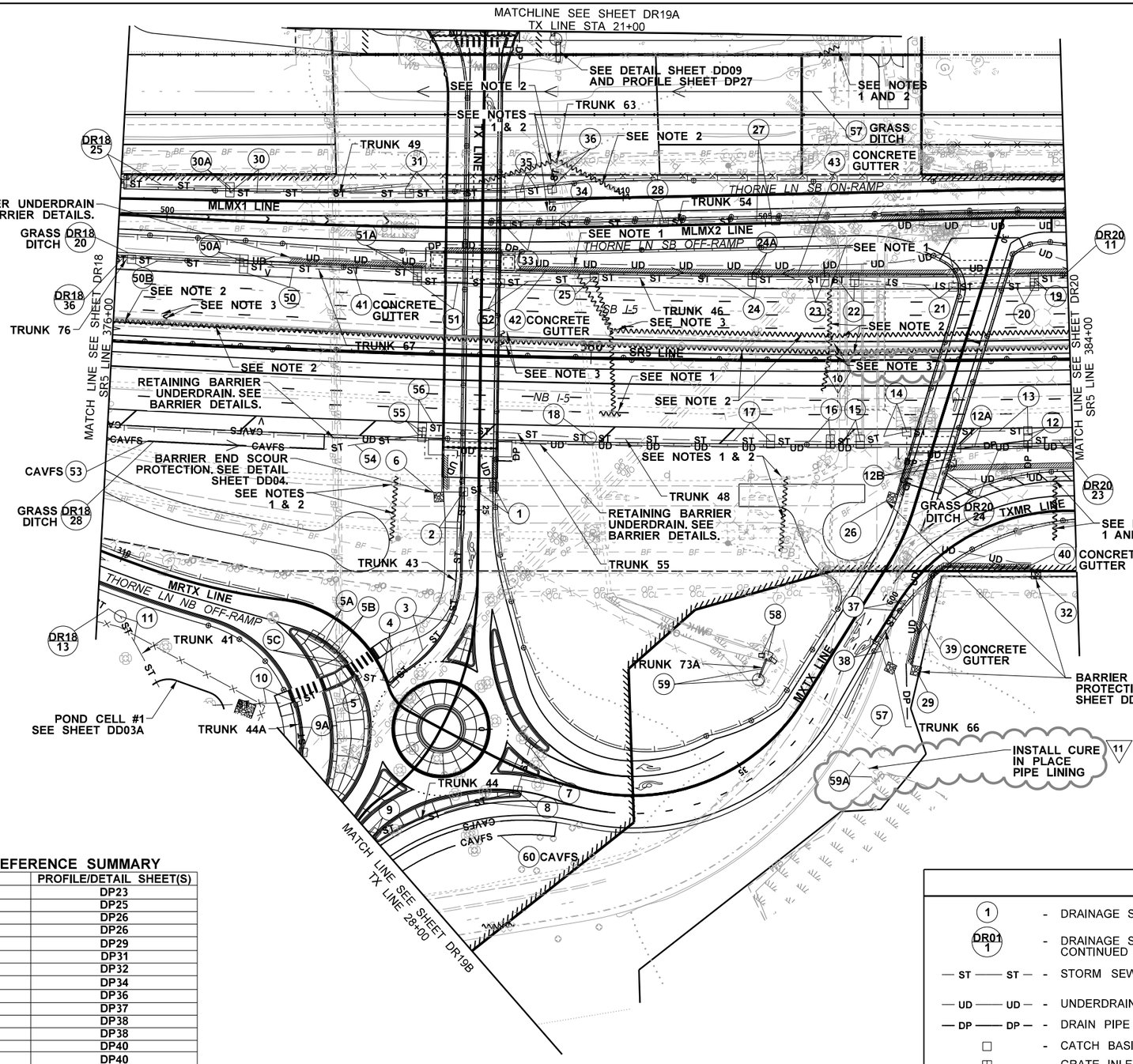
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

DRAINAGE PLAN

PLAN REF NO DR18

SHEET 310 OF 1456 SHEETS



NOTES:

1. ABANDON OR REMOVE EXISTING STRUCTURE IN ACCORDANCE WITH STD. SPEC. 7-05.3(2).
2. ABANDON OR REMOVE EXISTING PIPE IN ACCORDANCE WITH STD. SPEC. 7-08.3(4). FOR SOLID WALL PIPES OUTSIDE OF THE ROADWAY PRISM ABANDONMENT MEANS REMOVING AS MUCH OF THE PIPE AS NECESSARY FOR CONSTRUCTION ACTIVITIES AND PLUGGING ALL PIPE ENDS. FOR PERFORATED PIPES AND ALL PIPES WITHIN THE ROADWAY PRISM ABANDONMENT MEANS REMOVING AS MUCH OF THE PIPE AS NECESSARY FOR CONSTRUCTION ACTIVITIES AND FILLING THE REMAINING PIPE WITH CONTROLLED DENSITY FILL (CDF).
3. ABANDON EXISTING MEDIAN STRUCTURE BY REMOVING THE FRAME AND GRATE, BREAKING DOWN THE STRUCTURE TO A DEPTH OF AT LEAST 18 INCHES BELOW THE FINISHED GRADE, AND FILLING THE VOID WITH CDF TO AN ELEVATION THAT IS FLUSH WITH THE EXISTING HMA.

AS-BUILT

ATKINSON
JUL 26 2021
RELEASED FOR CONSTRUCTION

0 50 100
SCALE IN FEET

DRAINAGE REFERENCE SUMMARY

DESCRIPTION	PROFILE/DETAIL SHEET(S)
TRUNK 41	DP23
TRUNK 43	DP25
TRUNK 44	DP26
TRUNK 44A	DP26
TRUNK 46	DP29
TRUNK 48	DP31
TRUNK 49	DP32
TRUNK 54	DP34
TRUNK 55	DP36
TRUNK 63	DP37
TRUNK 66	DP38
TRUNK 67	DP38
TRUNK 73A	DP40
TRUNK 76	DP40
DR19-12A	DD10
DR19-12B	DD10
DR19-24A	DD10

LEGEND

- (1) - DRAINAGE STRUCTURE ID
- (DR01 1) - DRAINAGE STRUCTURE ID CONTINUED
- ST — ST — STORM SEWER PIPE
- UD — UD — UNDERDRAIN PIPE
- DP — DP — DRAIN PIPE
- CATCH BASIN
- GRATE INLET
- CULVERT PIPE
- DROP INLET
- MANHOLE
- ROCK OUTFALL PROTECTION
- DRAINAGE DITCH
- CAVFS / CAVFS — COMPOST AMENDED VEGETATED FILTER STRIP
- EXISTING STORM TO BE REMOVED OR ABANDONED

FILE NAME	c:\pwworking\jacobs_b&i\pw-zlgweljd\dms20633\PS_DR19.dgn						
TIME	8:41:58 AM	REV 11 - RFI0642	07/16/21		REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	7/19/2021	REV 10 - RFI0613	03/01/21				
PLOTTED BY	JeffZ	REV 9 - RFI0579	11/13/20		JOB NUMBER		
DESIGNED BY	J. ZIGWEID	REV 8 - RFI0487	06/12/20				
ENTERED BY	A. MAILLOUX	REV 7 - RFI0439	03/27/20		CONTRACT NO. C9133		LOCATION NO.
CHECKED BY	J. ZIGWEID	REV 6 - RFI0429	03/20/20				
PROJ. ENGR.	C. MEADE	REV 5 - RFI0381	01/28/20				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFERY D. ZIGWEID — STATE OF WASHINGTON — 15141 — REGISTERED PROFESSIONAL ENGINEER
7/23/21 DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

DRAINAGE PLAN

PLAN REF NO DR19

SHEET 311 OF 1456 SHEETS

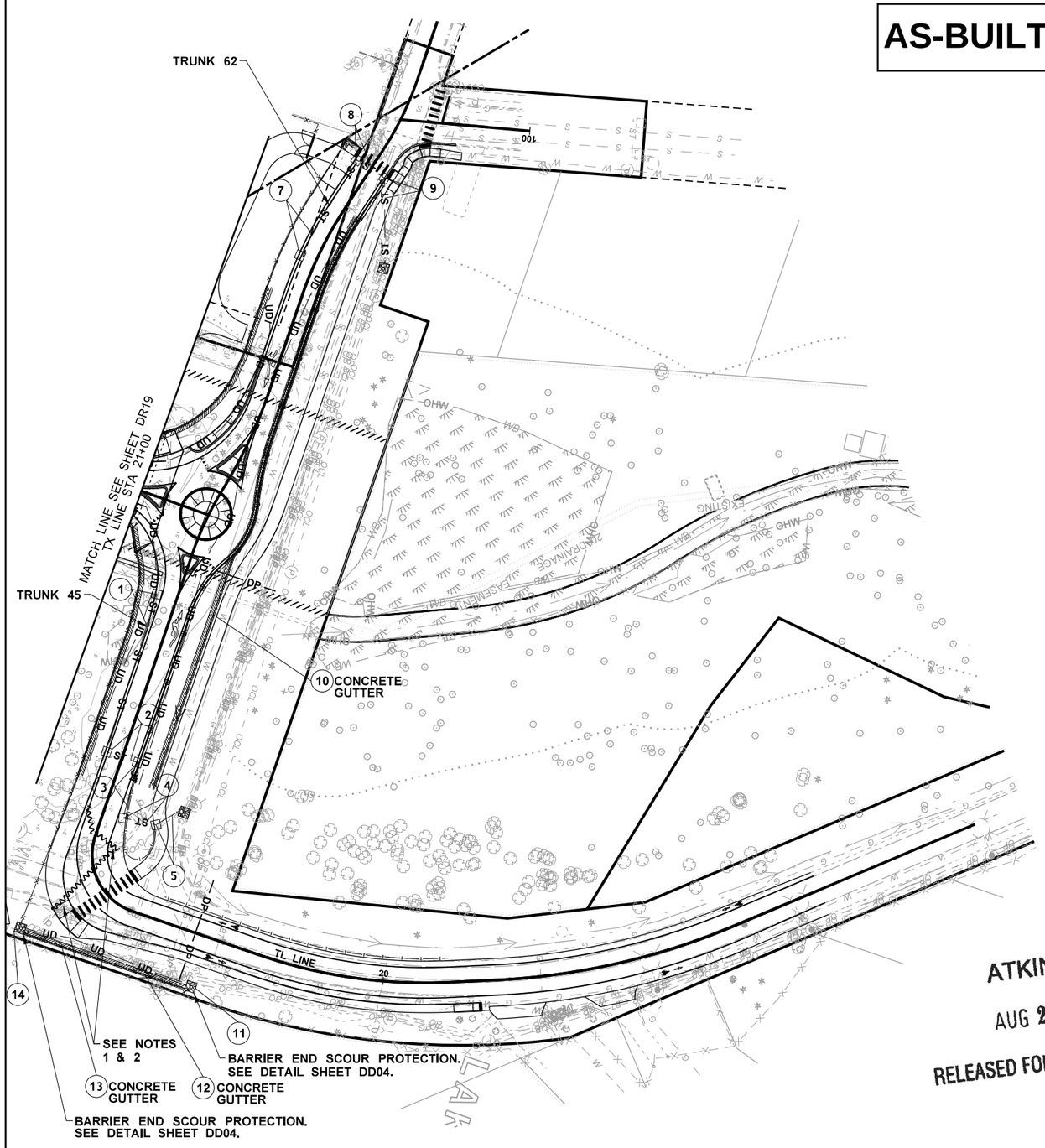
AS-BUILT

DRAINAGE REFERENCE SUMMARY

DESCRIPTION	PROFILE/DETAIL SHEET(S)
TRUNK 45	DP28
TRUNK 62	DP37

NOTES:

1. ABANDON OR REMOVE EXISTING STRUCTURE IN ACCORDANCE WITH STD. SPEC. 7-05.3(2).
2. ABANDON OR REMOVE EXISTING PIPE IN ACCORDANCE WITH STD. SPEC. 7-08.3(4). FOR SOLID WALL PIPES OUTSIDE OF THE ROADWAY PRISM ABANDONMENT MEANS REMOVING AS MUCH OF THE PIPE AS NECESSARY FOR CONSTRUCTION ACTIVITIES AND PLUGGING ALL PIPE ENDS. FOR PERFORATED PIPES AND ALL PIPES WITHIN THE ROADWAY PRISM ABANDONMENT MEANS REMOVING AS MUCH OF THE PIPE AS NECESSARY FOR CONSTRUCTION ACTIVITIES AND FILLING THE REMAINING PIPE WITH CONTROLLED DENSITY FILL (CDF).



ATKINSON
AUG 28 2019
RELEASED FOR CONSTRUCTION

0 50 100
SCALE IN FEET

LEGEND

(1)	DRAINAGE STRUCTURE ID	▥	DROP INLET
(DR01 / 1)	DRAINAGE STRUCTURE ID CONTINUED	○	MANHOLE
ST — ST	STORM SEWER PIPE	▨	ROCK OUTFALL PROTECTION
UD — UD	UNDERDRAIN PIPE	→	DRAINAGE DITCH
DP — DP	DRAIN PIPE	CAVFS / CAVFS	COMPOST AMENDED VEGETATED FILTER STRIP
□	CATCH BASIN	∿∿∿	EXISTING STORM TO BE REMOVED OR ABANDONED
▥	GRATE INLET		
———	CULVERT PIPE		

FILE NAME	c:\pwworking\jacobs_b&i\pw-zigweijd\dms20633\PS_DR19A.dgn						
TIME	1:22:12 PM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	8/10/2019						
PLOTTED BY	JeffZ				JOB NUMBER		
DESIGNED BY	J. ZIGWEID						
ENTERED BY	A. MAILLOUX	REV 0 - RFC	08/14/19		CONTRACT NO. C9133		LOCATION NO.
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	07/03/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	05/09/19				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
8/28/19
P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

ATKINSON CONSTRUCTION / JACOBS

I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

DRAINAGE PLAN

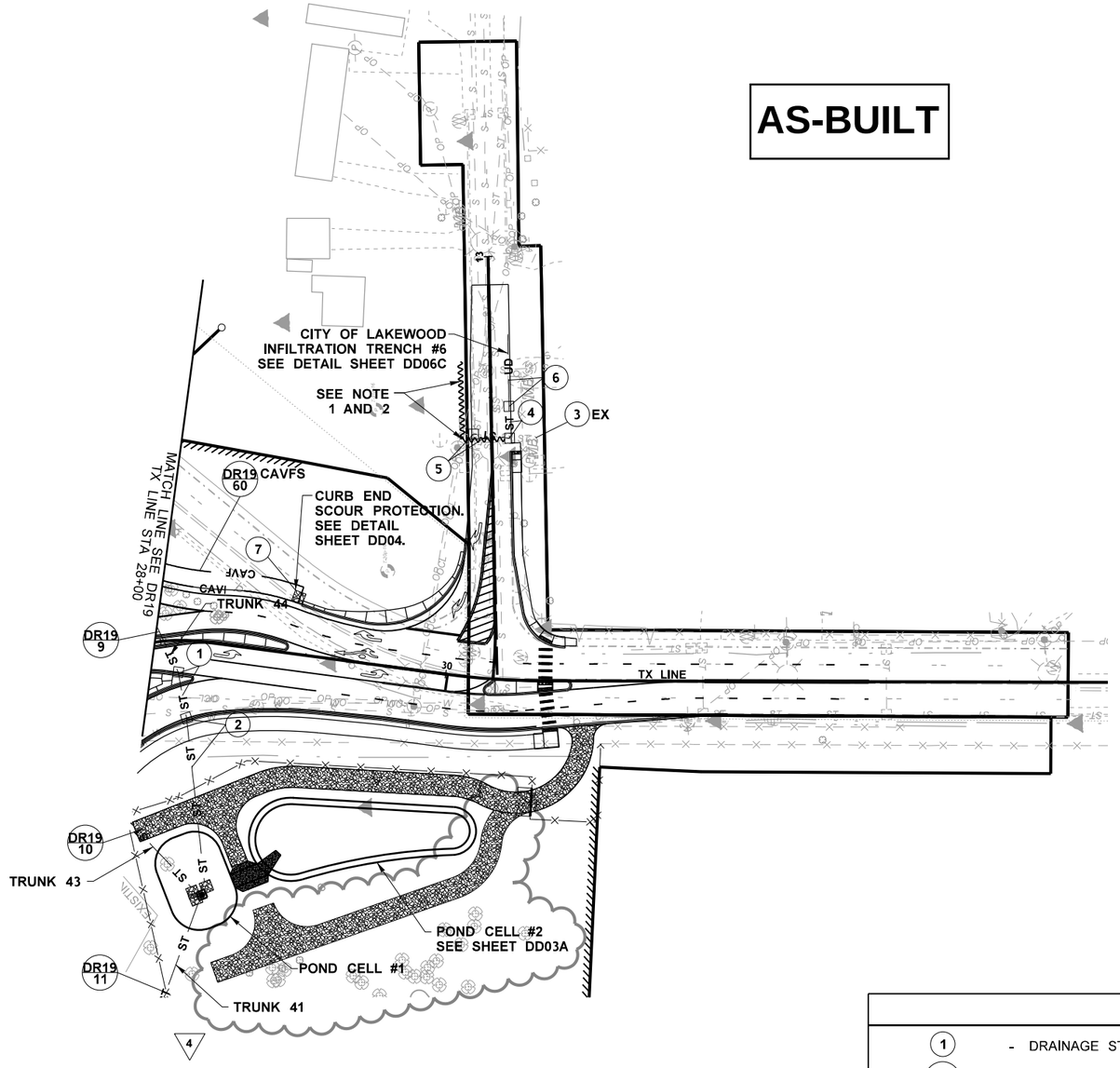
PLAN REF NO DR19A

SHEET 312 OF 1456 SHEETS

NOTES:

1. ABANDON OR REMOVE EXISTING STRUCTURE IN ACCORDANCE WITH STD. SPEC. 7-05.3(2).

2. ABANDON OR REMOVE EXISTING PIPE IN ACCORDANCE WITH STD. SPEC. 7-08.3(4). FOR SOLID WALL PIPES OUTSIDE OF THE ROADWAY PRISM ABANDONMENT MEANS REMOVING AS MUCH OF THE PIPE AS NECESSARY FOR CONSTRUCTION ACTIVITIES AND PLUGGING ALL PIPE ENDS. FOR PERFORATED PIPES AND ALL PIPES WITHIN THE ROADWAY PRISM ABANDONMENT MEANS REMOVING AS MUCH OF THE PIPE AS NECESSARY FOR CONSTRUCTION ACTIVITIES AND FILLING THE REMAINING PIPE WITH CONTROLLED DENSITY FILL (CDF).



ATKINSON
APR 22 2020 KTW
RELEASED FOR CONSTRUCTION

0 50 100
SCALE IN FEET

DRAINAGE REFERENCE SUMMARY

DESCRIPTION	PROFILE/DETAIL SHEET(S)
TRUNK 41	DP23
TRUNK 43	DP25
TRUNK 44	DP26

LEGEND

- 1 - DRAINAGE STRUCTURE ID
- DR01 / 1 - DRAINAGE STRUCTURE ID CONTINUED
- ST — ST - STORM SEWER PIPE
- UD — UD - UNDERDRAIN PIPE
- DP — DP - DRAIN PIPE
- □ - CATCH BASIN
- ⊟ - GRATE INLET
- ▭ - CULVERT PIPE
- ⊞ - DROP INLET
- ○ - MANHOLE
- ▨ - ROCK OUTFALL PROTECTION
- → - DRAINAGE DITCH
- CAVFS / CAVFS - COMPOST AMENDED VEGETATED FILTER STRIP
- ~~~ - EXISTING STORM TO BE REMOVED OR ABANDONED

FILE NAME	c:\pwworking\jacobs_b&i\pw-zigweljd\dms20633\PS_DR19B.dgn						
TIME	9:36:32 AM	REV 4 - RFI0461	04/17/20		REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	4/14/2020	REV 3 - RFI0437	04/06/20		JOB NUMBER		
PLOTTED BY	JeffZ	REV 2 - RFI0367	1/22/20		CONTRACT NO. C9133		LOCATION NO.
DESIGNED BY	J. ZIGWEID	REV 1 - RFI0255	11/04/19				
ENTERED BY	A. MAILLOUX	REV 0 - RFC	08/14/19				
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	06/27/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	03/15/19				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 21141 — REGISTERED PROFESSIONAL ENGINEER
4/20/20
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

DRAINAGE PLAN

PLAN REF NO
DR19B

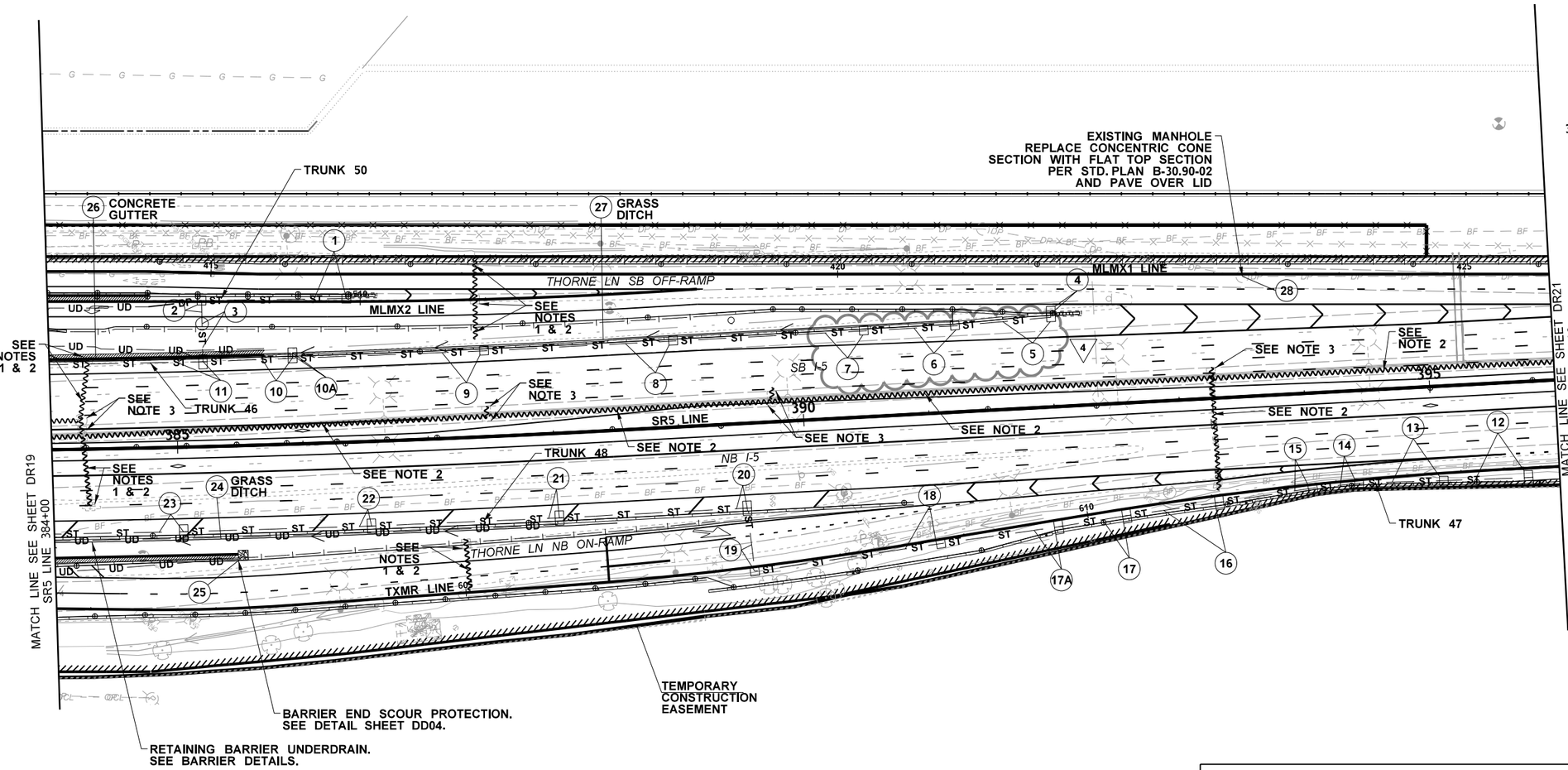
SHEET
313
OF
1456
SHEETS

AS-BUILT

ATKINSON

OCT 19 2021 KSW

RELEASED FOR CONSTRUCTION



NOTES:

1. ABANDON OR REMOVE EXISTING STRUCTURE IN ACCORDANCE WITH STD. SPEC. 7-05.3(2).
2. ABANDON OR REMOVE EXISTING PIPE IN ACCORDANCE WITH STD. SPEC. 7-08.3(4). FOR SOLID WALL PIPES OUTSIDE OF THE ROADWAY PRISM ABANDONMENT MEANS REMOVING AS MUCH OF THE PIPE AS NECESSARY FOR CONSTRUCTION ACTIVITIES AND PLUGGING ALL PIPE ENDS. FOR PERFORATED PIPES AND ALL PIPES WITHIN THE ROADWAY PRISM ABANDONMENT MEANS REMOVING AS MUCH OF THE PIPE AS NECESSARY FOR CONSTRUCTION ACTIVITIES AND FILLING THE REMAINING PIPE WITH CONTROLLED DENSITY FILL (CDF).
3. ABANDON EXISTING MEDIAN STRUCTURE BY REMOVING THE FRAME AND GRATE, BREAKING DOWN THE STRUCTURE TO A DEPTH OF AT LEAST 18 INCHES BELOW THE FINISHED GRADE, AND FILLING THE VOID WITH CDF TO AN ELEVATION THAT IS FLUSH WITH THE EXISTING HMA.

DRAINAGE REFERENCE SUMMARY

DESCRIPTION	PROFILE/DETAIL SHEET(S)
TRUNK 46	DP29
TRUNK 47	DP30
TRUNK 48	DP31
TRUNK 50	DP32

0 50 100
SCALE IN FEET

LEGEND

- (1) - DRAINAGE STRUCTURE ID
- (DR01 / 1) - DRAINAGE STRUCTURE ID CONTINUED
- ST — ST - STORM SEWER PIPE
- UD — UD - UNDERDRAIN PIPE
- DP — DP - DRAIN PIPE
- □ - CATCH BASIN
- ⊟ - GRATE INLET
- ⊞ - DROP INLET
- ○ - MANHOLE
- ▨ - ROCK OUTFALL PROTECTION
- → - DRAINAGE DITCH
- CAVFS — CAVFS - COMPOST AMENDED VEGETATED FILTER STRIP
- ~~~ - EXISTING STORM TO BE REMOVED OR ABANDONED
- ——— - CULVERT PIPE

FILE NAME	c:\pwworking\jacobs_b&i\pw-zlgweljd\dms20633\PS_DR20.dgn							
TIME	12:39:35 PM	REV 4 - RFI0659	10/11/21		REGION NO. 10	STATE WASH	FED.AID PROJ.NO.	
DATE	10/13/2021	REV 3 - RFI0614	05/13/21					
PLOTTED BY	JeffZ	REV 2 - RFI0613	03/01/21		JOB NUMBER			
DESIGNED BY	J. ZIGWEID	REV 1 - RFI0439	03/27/20					
ENTERED BY	A. MAILLOUX	REV 0 - RFC	08/14/19		CONTRACT NO. C9133		LOCATION NO.	
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	07/03/19					
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	05/09/19					
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY				

JEFFREY D. ZIGWEID STATE OF WASHINGTON 31141 REGISTERED PROFESSIONAL ENGINEER
10/13/21
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

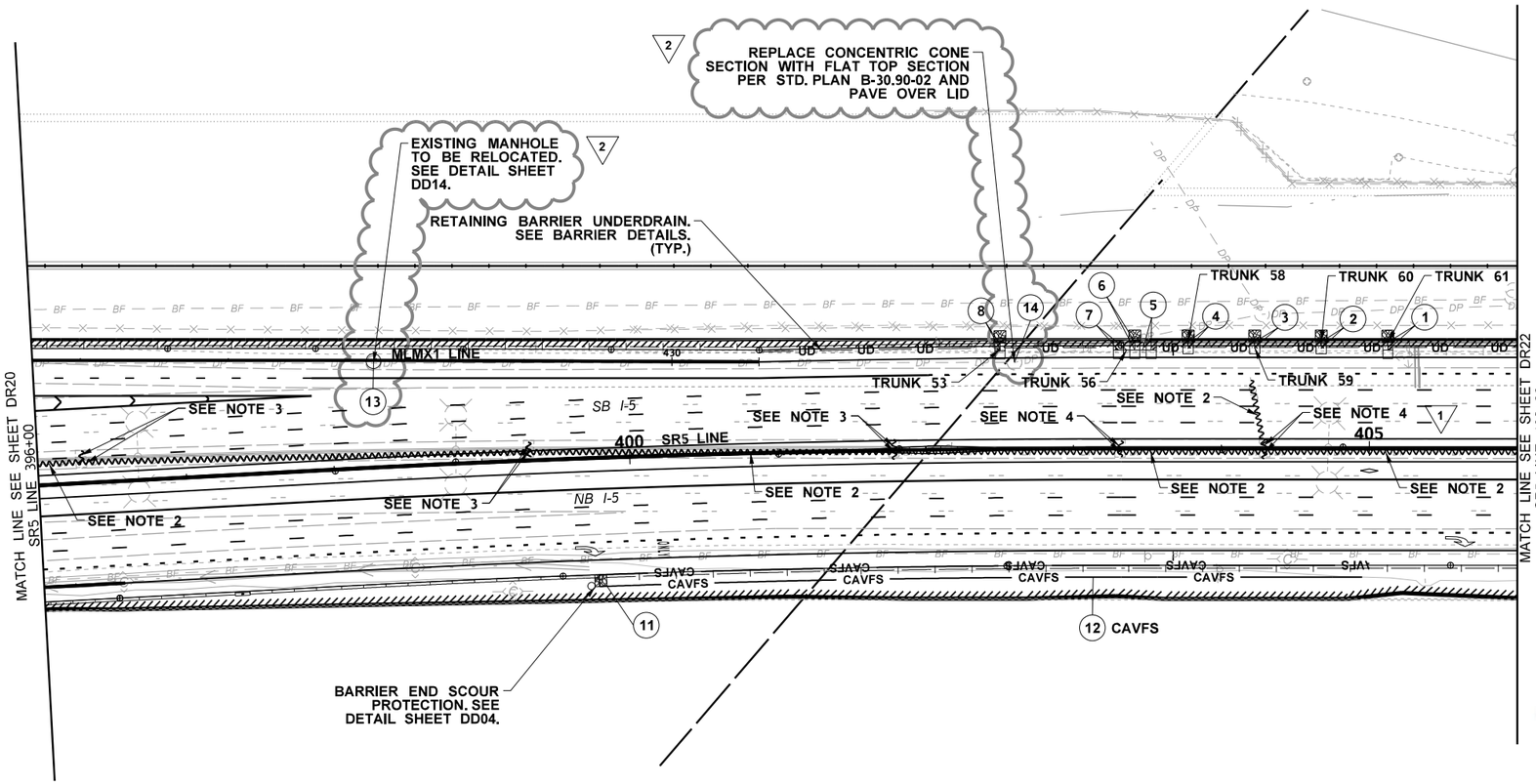
I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

DRAINAGE PLAN

PLAN REF NO DR20

SHEET 314 OF 1456 SHEETS

AS-BUILT



NOTES:

1. ABANDON OR REMOVE EXISTING STRUCTURE IN ACCORDANCE WITH STD. SPEC. 7-05.3(2).
2. ABANDON OR REMOVE EXISTING PIPE IN ACCORDANCE WITH STD. SPEC. 7-08.3(4). FOR SOLID WALL PIPES OUTSIDE OF THE ROADWAY PRISM ABANDONMENT MEANS REMOVING AS MUCH OF THE PIPE AS NECESSARY FOR CONSTRUCTION ACTIVITIES AND PLUGGING ALL PIPE ENDS. FOR PERFORATED PIPES AND ALL PIPES WITHIN THE ROADWAY PRISM ABANDONMENT MEANS REMOVING AS MUCH OF THE PIPE AS NECESSARY FOR CONSTRUCTION ACTIVITIES AND FILLING THE REMAINING PIPE WITH CONTROLLED DENSITY FILL (CDF).
3. ABANDON EXISTING MEDIAN STRUCTURE BY REMOVING THE FRAME AND GRATE, BREAKING DOWN THE STRUCTURE TO A DEPTH OF AT LEAST 18 INCHES BELOW THE FINISHED GRADE, AND FILLING THE VOID WITH CDF TO AN ELEVATION THAT IS FLUSH WITH THE EXISTING HMA.
4. ABANDON EXISTING STRUCTURE IN ACCORDANCE WITH STD. SPEC. 7-02.3(2).

DRAINAGE REFERENCE SUMMARY

DESCRIPTION	PROFILE/DETAIL SHEET(S)
TRUNK 53	DP33
TRUNK 56	DP34
TRUNK 58	DP35
TRUNK 59	DP35
TRUNK 60	DP35
TRUNK 61	DP36

ATKINSON
MAY 26 2021 KTW
RELEASED FOR CONSTRUCTION

0 50 100
SCALE IN FEET

LEGEND

- (1) - DRAINAGE STRUCTURE ID
- (DR01 / 1) - DRAINAGE STRUCTURE ID CONTINUED
- ST — ST - STORM SEWER PIPE
- UD — UD - UNDERDRAIN PIPE
- DP — DP - DRAIN PIPE
- □ - CATCH BASIN
- ⊞ - GRATE INLET
- ▭ - CULVERT PIPE
- ⊞ - DROP INLET
- ○ - MANHOLE
- ▩ - ROCK OUTFALL PROTECTION
- → - DRAINAGE DITCH
- CAVFS / CAVFS - COMPOST AMENDED VEGETATED FILTER STRIP
- ∿∿∿ - EXISTING STORM TO BE REMOVED OR ABANDONED

FILE NAME	c:\pwworking\jacobs_b&i\pw-zigweljd\dms20633\PS_DR21.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	10:00:42 AM				10	WASH	
DATE	5/13/2021				JOB NUMBER		
PLOTTED BY	jeffz	REV 2 - RFI0614	05/13/21				
DESIGNED BY	J. ZIGWEID	REV 1 - RFI0613	03/01/21		CONTRACT NO.		LOCATION NO.
ENTERED BY	A. MAILLOUX	REV 0 - RFC	08/14/19		C9133		
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	07/03/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	05/09/19				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
5/13/21
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

DRAINAGE PLAN

PLAN REF NO
DR21

SHEET
315
OF
1456
SHEETS

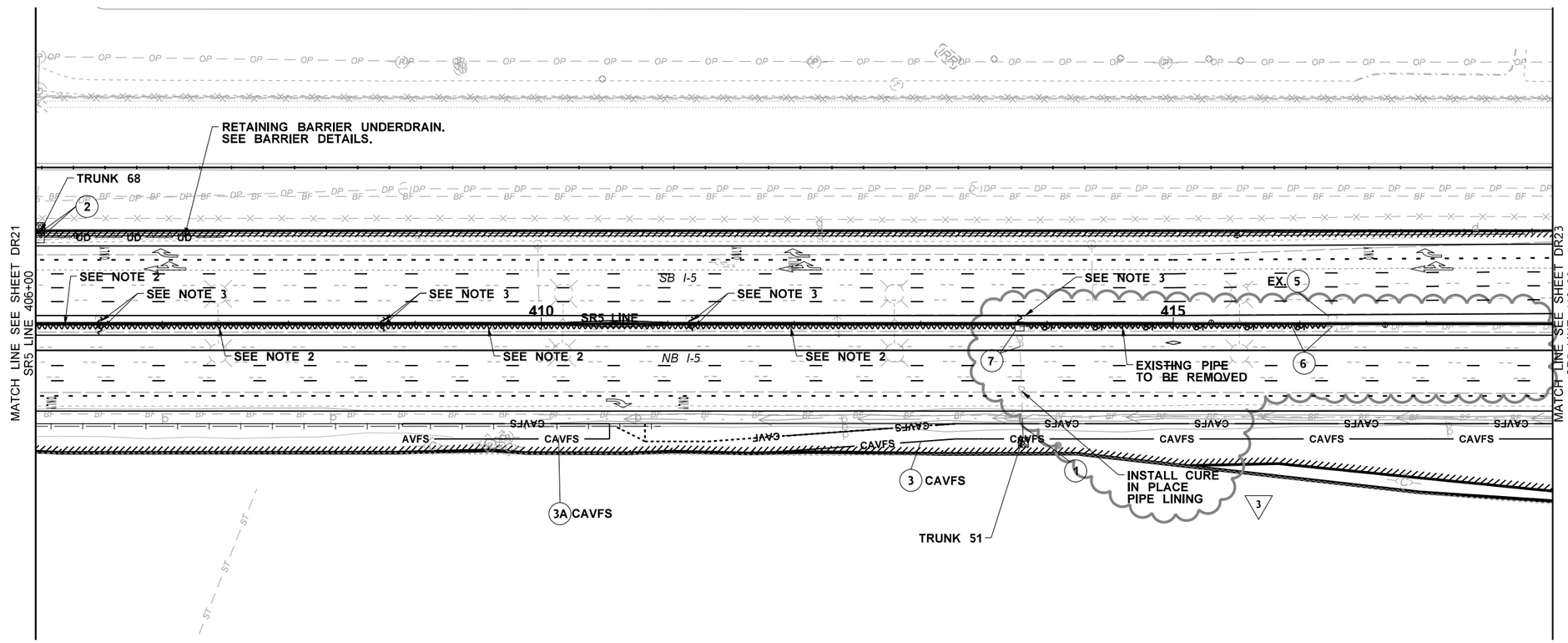
AS-BUILT

NOTES:

1. ABANDON OR REMOVE EXISTING STRUCTURE IN ACCORDANCE WITH STD. SPEC. 7-05.3(2).
2. ABANDON OR REMOVE EXISTING PIPE IN ACCORDANCE WITH STD. SPEC. 7-08.3(4). FOR SOLID WALL PIPES OUTSIDE OF THE ROADWAY PRISM ABANDONMENT MEANS REMOVING AS MUCH OF THE PIPE AS NECESSARY FOR CONSTRUCTION ACTIVITIES AND PLUGGING ALL PIPE ENDS. FOR PERFORATED PIPES AND ALL PIPES WITHIN THE ROADWAY PRISM ABANDONMENT MEANS REMOVING AS MUCH OF THE PIPE AS NECESSARY FOR CONSTRUCTION ACTIVITIES AND FILLING THE REMAINING PIPE WITH CONTROLLED DENSITY FILL (CDF).
3. ABANDON EXISTING STRUCTURE IN ACCORDANCE WITH STD. SPEC. 7-02.3(2).

DRAINAGE REFERENCE SUMMARY

DESCRIPTION	PROFILE/DETAIL SHEET(S)
TRUNK 51	DP33
TRUNK 68	DP36



0 50 100
SCALE IN FEET

LEGEND

- (1) - DRAINAGE STRUCTURE ID
- DR01 / 1 - DRAINAGE STRUCTURE ID CONTINUED
- ST — ST — STORM SEWER PIPE
- UD — UD — UNDERDRAIN PIPE
- DP — DP — DRAIN PIPE
- □ - CATCH BASIN
- ⊞ - GRATE INLET
- ▭ - CULVERT PIPE
- ▥ - DROP INLET
- ○ - MANHOLE
- ▨ - ROCK OUTFALL PROTECTION
- → - DRAINAGE DITCH
- CAVFS / CAVFS - COMPOST AMENDED VEGETATED FILTER STRIP
- ∿∿∿ - EXISTING STORM TO BE REMOVED OR ABANDONED

ATKINSON
JUL 26 2021
RELEASED FOR CONSTRUCTION

FILE NAME	c:\pwworking\jacobs_b&l\pw-zlgweljd\dms20633\PS_DR22.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	8:46:41 AM				10	WASH	
DATE	7/19/2021	REV 3 - RFI0642	07/16/21		JOB NUMBER		
PLOTTED BY	JeffZ	REV 2 - RFI0613	03/01/21				
DESIGNED BY	J. ZIGWEID	REV 1 - RFI0367	01/22/20		CONTRACT NO.		LOCATION NO.
ENTERED BY	A. MAILLOUX	REV 0 - RFC	08/14/19		C9133		
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	07/03/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	05/09/19				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 31141 — REGISTERED PROFESSIONAL ENGINEER
7/23/21
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON CONSTRUCTION / JACOBS

I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

DRAINAGE PLAN

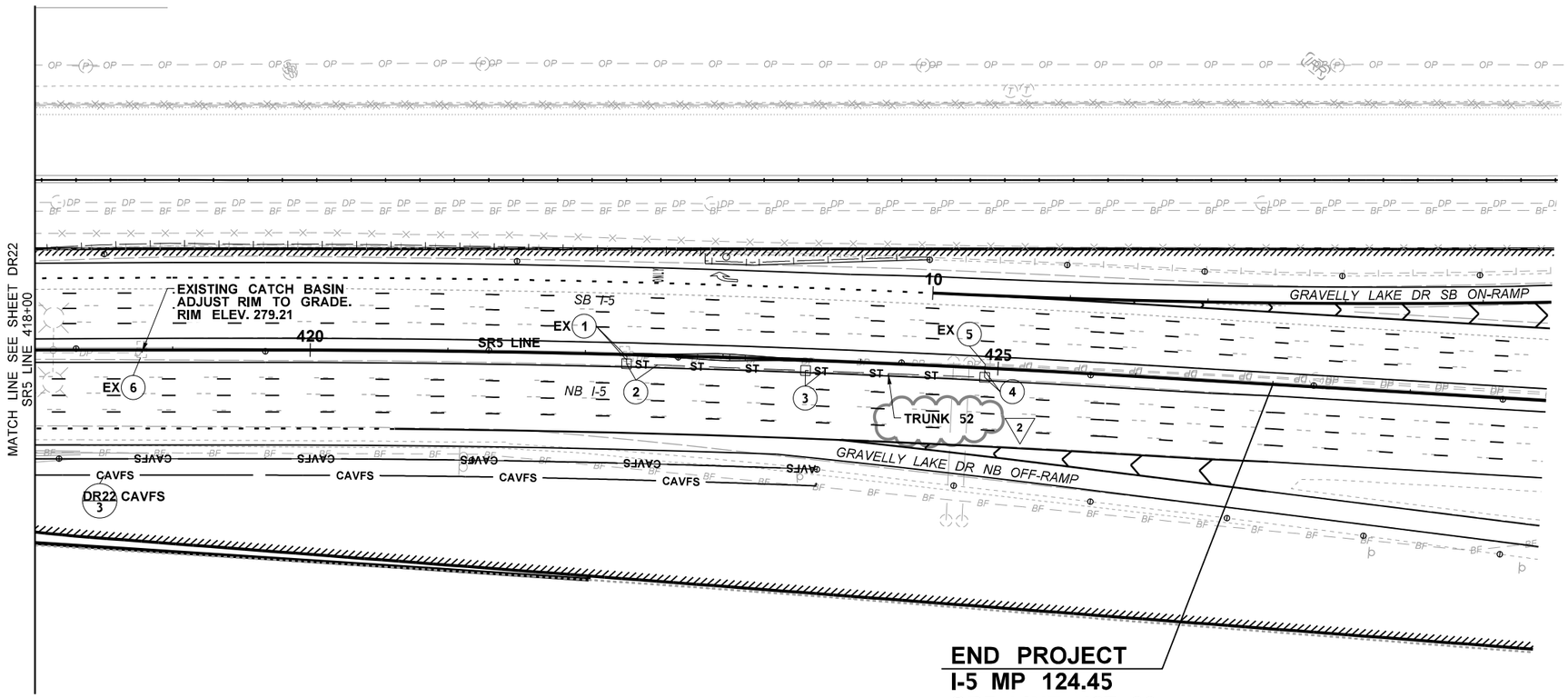
PLAN REF NO
DR22

SHEET
316
OF
1456
SHEETS

AS-BUILT

NOTES:

1. ABANDON OR REMOVE EXISTING STRUCTURE IN ACCORDANCE WITH STD. SPEC. 7-05.3(2).
2. ABANDON OR REMOVE EXISTING PIPE IN ACCORDANCE WITH STD. SPEC. 7-08.3(4). FOR SOLID WALL PIPES OUTSIDE OF THE ROADWAY PRISM ABANDONMENT MEANS REMOVING AS MUCH OF THE PIPE AS NECESSARY FOR CONSTRUCTION ACTIVITIES AND PLUGGING ALL PIPE ENDS. FOR PERFORATED PIPES AND ALL PIPES WITHIN THE ROADWAY PRISM ABANDONMENT MEANS REMOVING AS MUCH OF THE PIPE AS NECESSARY FOR CONSTRUCTION ACTIVITIES AND FILLING THE REMAINING PIPE WITH CONTROLLED DENSITY FILL (CDF).



DRAINAGE REFERENCE SUMMARY

DESCRIPTION	PROFILE/DETAIL SHEET(S)
TRUNK 52	DP33

ATKINSON
JUN 16 2020 KTW
RELEASED FOR CONSTRUCTION

0 50 100
SCALE IN FEET

LEGEND

- (1) - DRAINAGE STRUCTURE ID
- DR01 / 1 - DRAINAGE STRUCTURE ID CONTINUED
- ST — ST — STORM SEWER PIPE
- UD — UD — UNDERDRAIN PIPE
- DP — DP — DRAIN PIPE
- □ - CATCH BASIN
- ⊞ - GRATE INLET
- ▭ - CULVERT PIPE
- ⊞ - DROP INLET
- ○ - MANHOLE
- ▨ - ROCK OUTFALL PROTECTION
- → - DRAINAGE DITCH
- CAVFS / CAVFS - COMPOST AMENDED VEGETATED FILTER STRIP
- ∿∿∿ - EXISTING STORM TO BE REMOVED OR ABANDONED

FILE NAME	c:\pwworking\jacobs_b&i\pw-zlgweljd\dms20633\PS_DR23.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	11:03:27 AM						
DATE	6/9/2020				JOB NUMBER		
PLOTTED BY	JeffZ	REV 2 - RFI0487	06/12/20				
DESIGNED BY	J. ZIGWEID	REV 1 - RFI0367	1/22/20				
ENTERED BY	A. MAILLOUX	REV 0 - RFC	08/14/19				
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	06/27/19		CONTRACT NO. C9133		LOCATION NO.
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	05/09/19				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
6/15/20
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON CONSTRUCTION / JACOBS

I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

DRAINAGE PLAN

PLAN REF NO
DR23

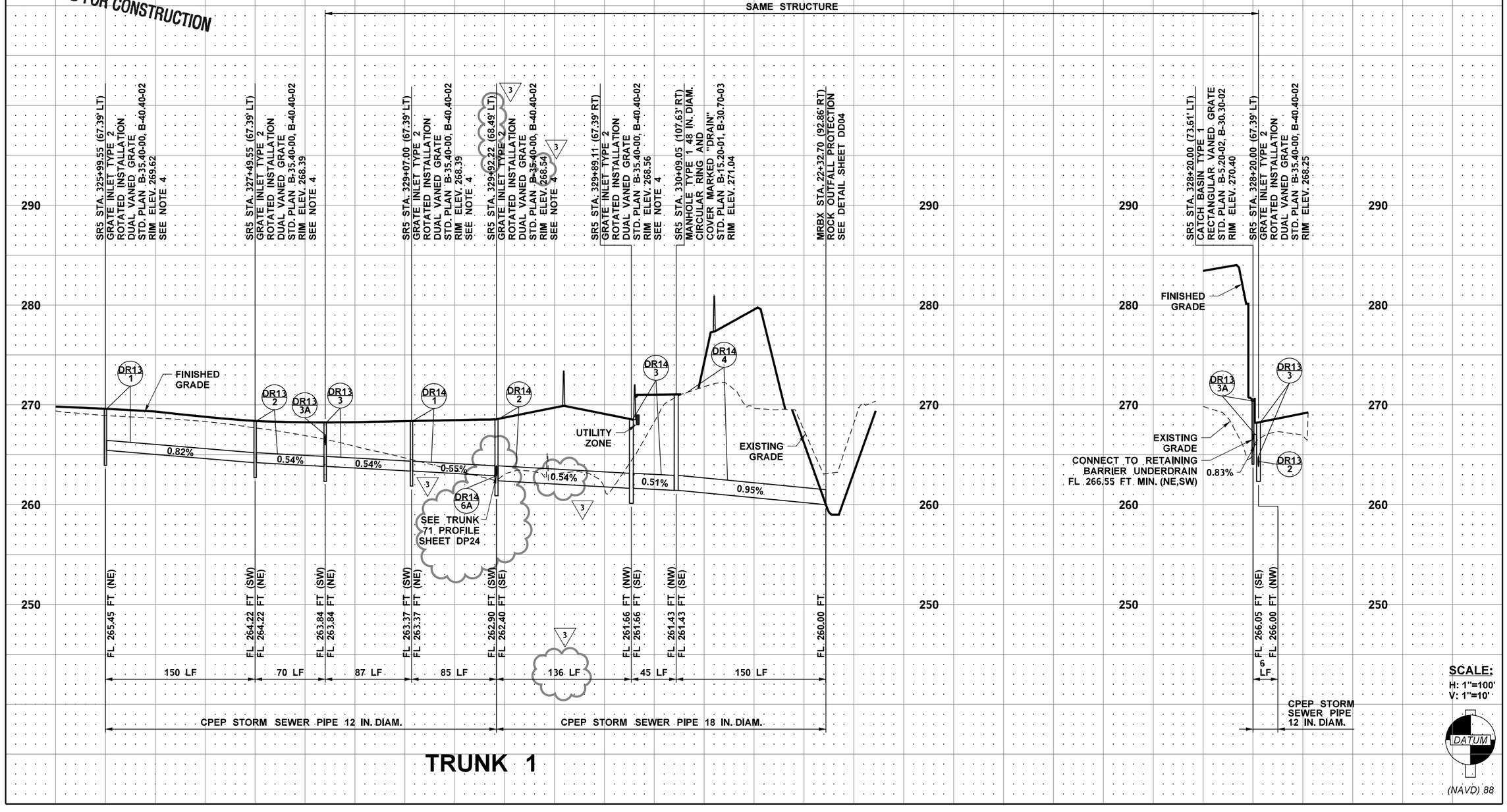
SHEET 317 OF 1456 SHEETS

ATKINSON
NOV 06 2019
RELEASED FOR CONSTRUCTION

AS-BUILT

NOTES:

1. STATION, OFFSET, AND RIM ELEVATION FOR STRUCTURES ARE CENTER OF STRUCTURE. UNLESS NOTED OTHERWISE.
2. ALL GRATES AND COVERS SHALL BE BOLTED DOWN WITH 304 STAINLESS STEEL 5/8"-11 NCx2 INCH ALLEN HEAD CAP SCREW UNLESS OTHERWISE NOTED.
4. STRUCTURE ADJACENT TO GRADE SEPARATED BARRIER. CONTRACTOR TO SET RIM AT 1/2 INCH BELOW FINISHED GRADE. SEE DETAIL SHEET DD07.



TRUNK 1

SCALE:
H: 1"=100'
V: 1"=10'

DATUM
(NAVD) 88

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TIME	10:29:08 AM				JOB NUMBER		
DATE	10/21/2019	REV 3 - RFI0222	10/21/19		CONTRACT NO. C9133		LOCATION NO.
PLOTTED BY	JeffZ	REV 2 - RFI0130	06/24/19				
DESIGNED BY	J. ZIGWEID	REV 1 - RFI0104	05/24/19				
ENTERED BY	G. RIMANDO	REV 0 - RFC	04/17/19				
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	03/01/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	11/16/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
11/6/19
P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

DRAINAGE PROFILE

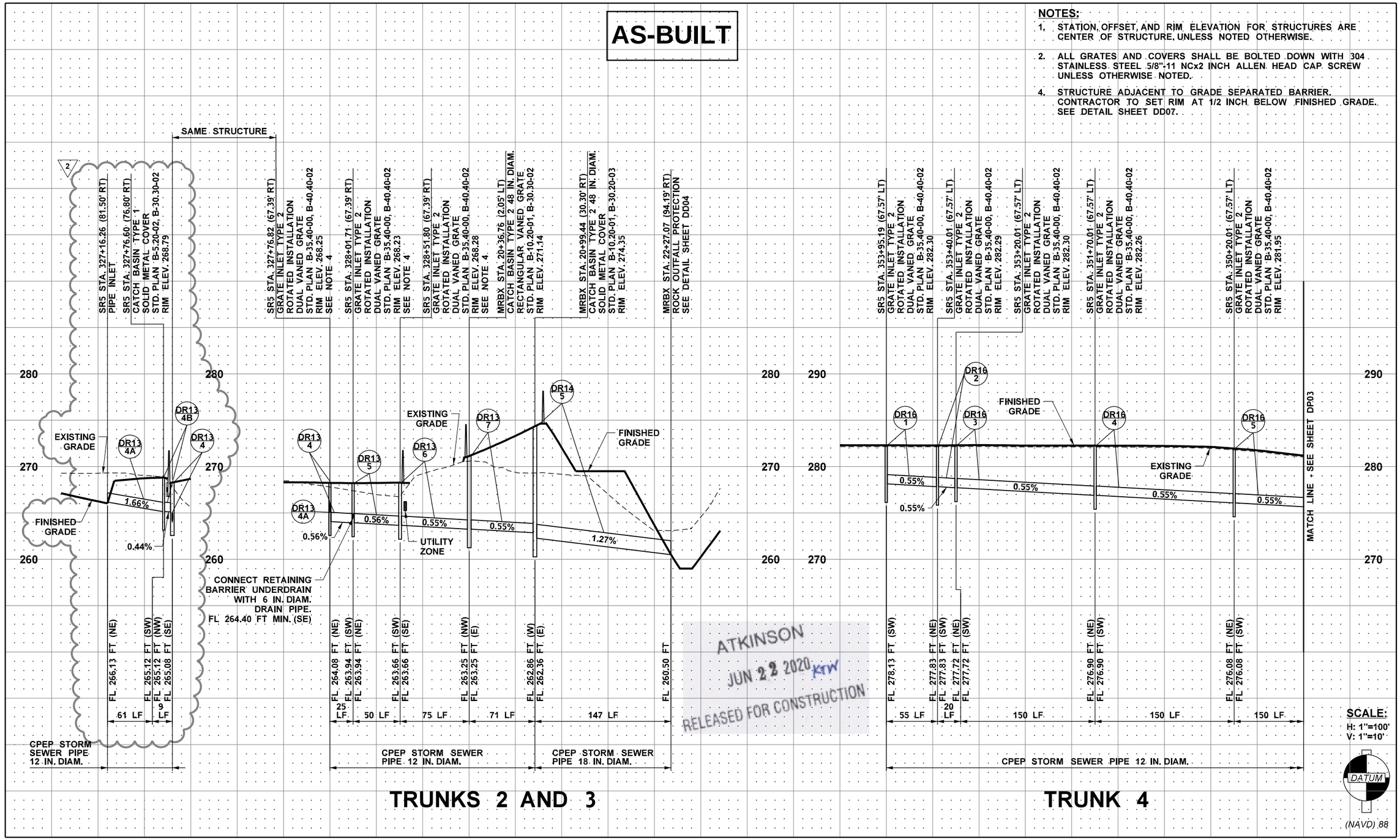
PLAN REF. NO. DP01

SHEET 318 OF 1456 SHEETS

AS-BUILT

NOTES:

1. STATION, OFFSET, AND RIM ELEVATION FOR STRUCTURES ARE CENTER OF STRUCTURE, UNLESS NOTED OTHERWISE.
2. ALL GRATES AND COVERS SHALL BE BOLTED DOWN WITH 304 STAINLESS STEEL 5/8"-11 NCx2 INCH ALLEN HEAD CAP SCREW UNLESS OTHERWISE NOTED.
4. STRUCTURE ADJACENT TO GRADE SEPARATED BARRIER. CONTRACTOR TO SET RIM AT 1/2 INCH BELOW FINISHED GRADE. SEE DETAIL SHEET DD07.



ATKINSON
JUN 22 2020 KTW
RELEASED FOR CONSTRUCTION

SCALE:
H: 1"=100'
V: 1"=10'

DATUM
(NAVD) 88

FILE NAME	c:\pwworking\jacobs_b&i\pw-zlgweljd\dms20633\PR_DP02.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	1:35:55 PM						
DATE	6/18/2020				JOB NUMBER		
PLOTTED BY	JeffZ	REV 2 - RFI0493	06/19/20				
DESIGNED BY	J. ZIGWEID	REV 1 - RFI0130	06/24/19		CONTRACT NO. C9133		LOCATION NO.
ENTERED BY	G. RIMANDO	REV 0 - RFC	04/17/19				
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	03/01/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	11/16/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFERY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
6/18/20
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

DRAINAGE PROFILE

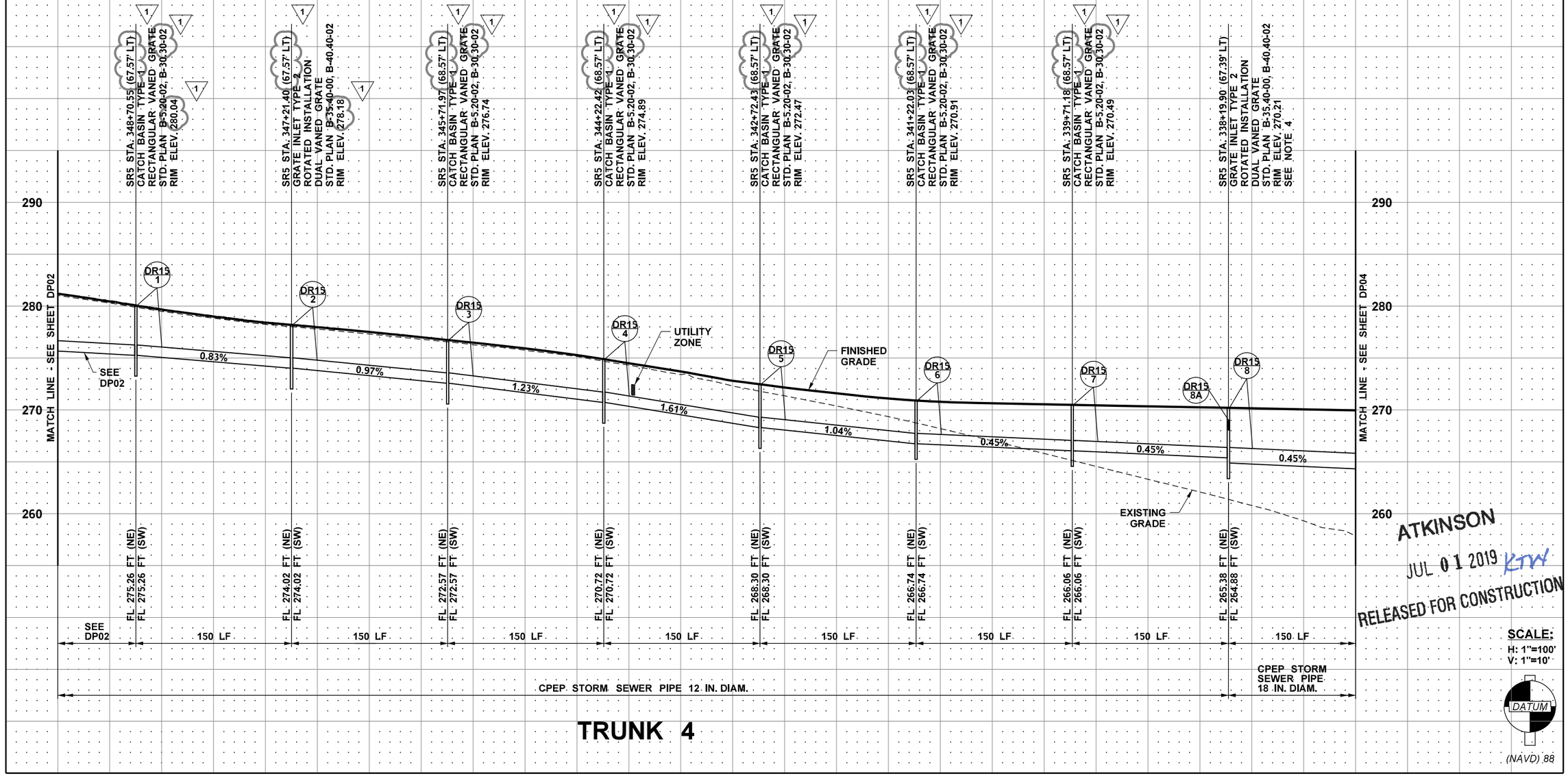
PLAN REF. NO. DP02

SHEET 319 OF 1456 SHEETS

AS-BUILT

NOTES:

1. STATION, OFFSET, AND RIM ELEVATION FOR STRUCTURES ARE CENTER OF STRUCTURE. UNLESS NOTED OTHERWISE.
2. ALL GRATES AND COVERS SHALL BE BOLTED DOWN WITH 304 STAINLESS STEEL 5/8"-11 NCx2 INCH ALLEN HEAD CAP SCREW UNLESS OTHERWISE NOTED.
4. STRUCTURE ADJACENT TO GRADE SEPARATED BARRIER. CONTRACTOR TO SET RIM AT 1/2 INCH BELOW FINISHED GRADE. SEE DETAIL SHEET DD07.



TRUNK 4

ATKINSON
JUL 01 2019 KTW
RELEASED FOR CONSTRUCTION

SCALE:
H: 1"=100'
V: 1"=10'

DATUM
(NAVD) 88

FILE NAME	c:\pwworking\jacobs_b&i\pw-zigweijd\dms20633\PR_DP03.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	4:40:14 PM						
DATE	6/24/2019				JOB NUMBER		
PLOTTED BY	JeffZ						
DESIGNED BY	J. ZIGWEID	REV 1 - RFI0130	06/24/19		CONTRACT NO. C9133		LOCATION NO.
ENTERED BY	G. RIMANDO	REV 0 - RFC	04/17/19				
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	03/01/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	11/16/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 23748 — REGISTERED PROFESSIONAL ENGINEER
6/28/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

DRAINAGE PROFILE

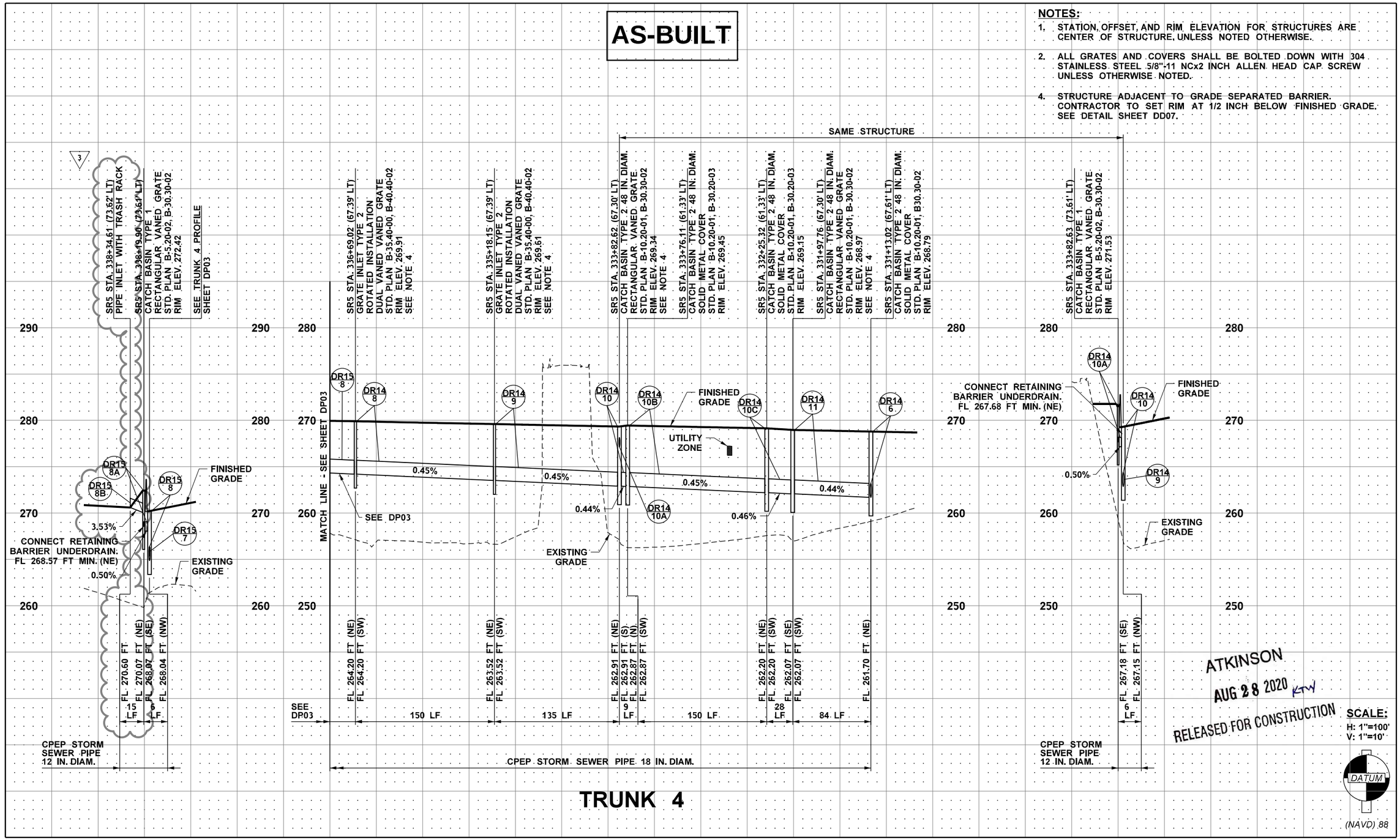
PLAN REF. NO. DP03

SHEET 320 OF 1456 SHEETS

AS-BUILT

NOTES:

1. STATION, OFFSET, AND RIM ELEVATION FOR STRUCTURES ARE CENTER OF STRUCTURE, UNLESS NOTED OTHERWISE.
2. ALL GRATES AND COVERS SHALL BE BOLTED DOWN WITH 304 STAINLESS STEEL 5/8"-11 NCx2 INCH ALLEN HEAD CAP SCREW UNLESS OTHERWISE NOTED.
4. STRUCTURE ADJACENT TO GRADE SEPARATED BARRIER. CONTRACTOR TO SET RIM AT 1/2 INCH BELOW FINISHED GRADE. SEE DETAIL SHEET DD07.



TRUNK 4

ATKINSON
AUG 28 2020 KTW
RELEASED FOR CONSTRUCTION

SCALE:
H: 1"=100'
V: 1"=10'

DATUM
(NAVD) 88

FILE NAME	c:\pwworking\jacobs_b&f\ex-hoangt\dms20633\PR_DP04.dgn						
TIME	9:29:38 AM						
DATE	8/26/2020	REV 3 - RFI0530	8/26/20				
PLOTTED BY	tiffanyh	REV 2 - RFI0222	10/21/19				
DESIGNED BY	J. ZIGWEID	REV 1 - RFI0130	06/24/19				
ENTERED BY	G. RIMANDO	REV 0 - RFC	04/17/19				
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	03/01/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	11/16/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

REGION NO. 10 | STATE WASH
JOB NUMBER
CONTRACT NO. C9133
FED.AID PROJ.NO.
LOCATION NO.

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 21911 — REGISTERED PROFESSIONAL ENGINEER
8/26/20
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

DRAINAGE PROFILE

PLAN REF. NO. DP04

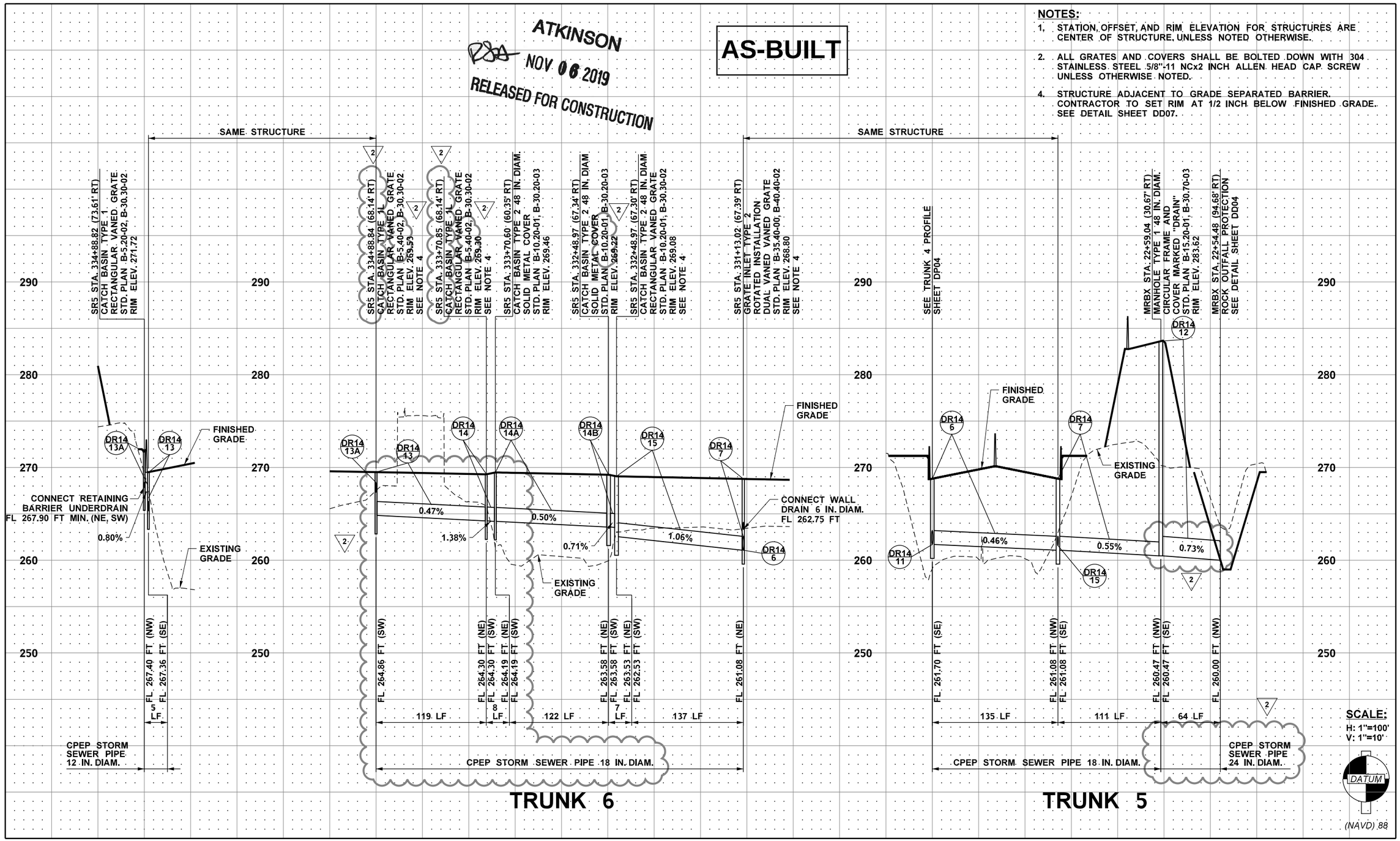
SHEET 321 OF 1456 SHEETS

ATKINSON
NOV 06 2019
RELEASED FOR CONSTRUCTION

AS-BUILT

NOTES:

1. STATION, OFFSET, AND RIM ELEVATION FOR STRUCTURES ARE CENTER OF STRUCTURE, UNLESS NOTED OTHERWISE.
2. ALL GRATES AND COVERS SHALL BE BOLTED DOWN WITH 304 STAINLESS STEEL 5/8"-11 NCx2 INCH ALLEN HEAD CAP SCREW UNLESS OTHERWISE NOTED.
4. STRUCTURE ADJACENT TO GRADE SEPARATED BARRIER. CONTRACTOR TO SET RIM AT 1/2 INCH BELOW FINISHED GRADE. SEE DETAIL SHEET DD07.



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TIME	10:19:39 AM				10	WASH	
DATE	10/21/2019				JOB NUMBER		
PLOTTED BY	JeffZ	REV 2 - RFI0222	10/21/19				
DESIGNED BY	J. ZIGWEID	REV 1 - RFI0130	06/14/19				
ENTERED BY	G. RIMANDO	REV 0 - RFC	04/17/19				
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	03/01/19		CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	11/16/18		C9133		
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

PETER D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
11/6/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

DRAINAGE PROFILE

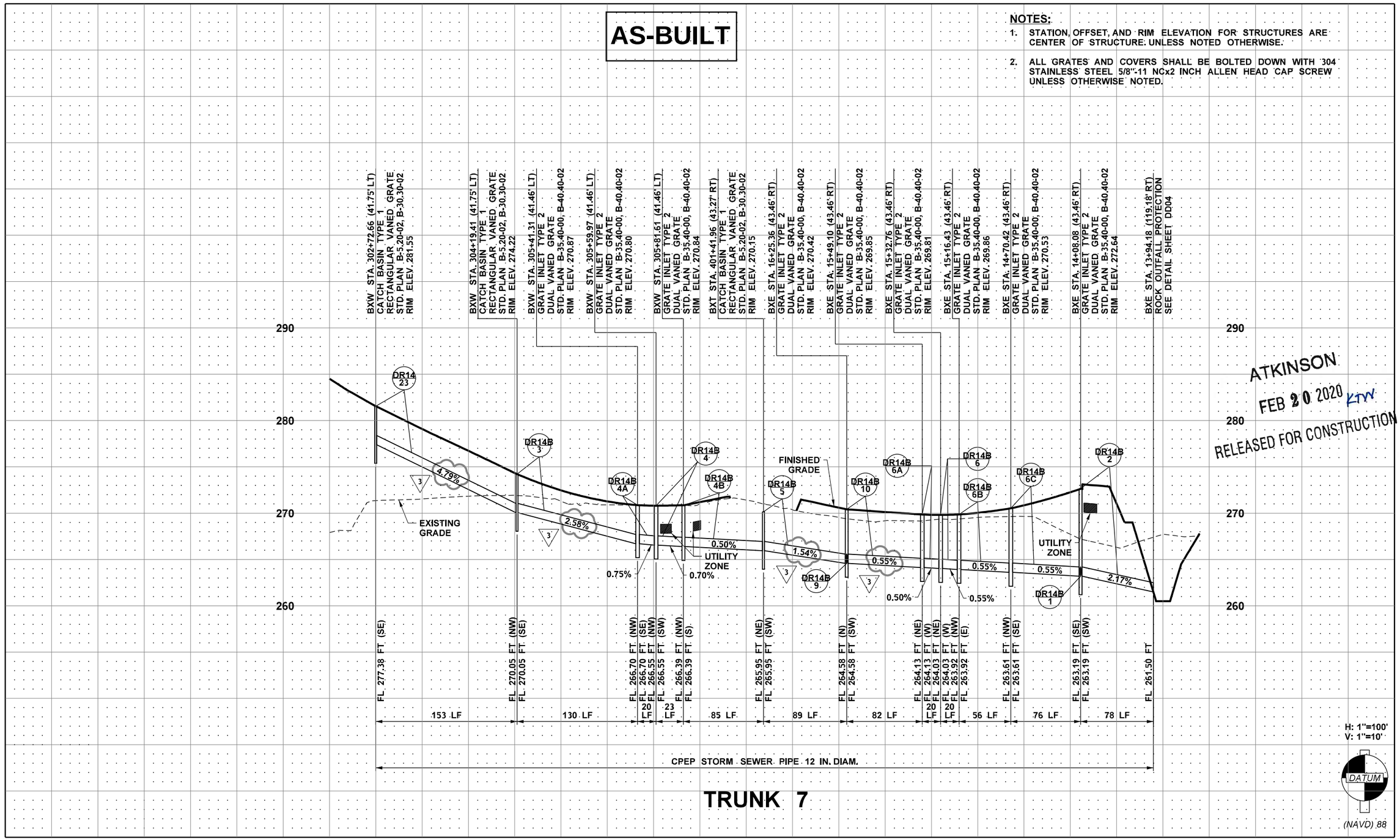
PLAN REF. NO. DP05

SHEET 322 OF 1456 SHEETS

AS-BUILT

NOTES:

1. STATION, OFFSET, AND RIM ELEVATION FOR STRUCTURES ARE CENTER OF STRUCTURE UNLESS NOTED OTHERWISE.
2. ALL GRATES AND COVERS SHALL BE BOLTED DOWN WITH 304 STAINLESS STEEL 5/8"-11 NCx2 INCH ALLEN HEAD CAP SCREW UNLESS OTHERWISE NOTED.



TRUNK 7

ATKINSON
FEB 20 2020 KTV
RELEASED FOR CONSTRUCTION

FILE NAME	c:\pwworking\jacobs_b&flex-malilloa\dms20633\PR_DP06.dgn						
TIME	3:12:48 PM						
DATE	1/31/2020	REV 3 - RFI0351	01/31/20		REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
PLOTTED BY	AndrewM	REV 2 - RFI0140	07/08/19				
DESIGNED BY	J. ZIGWEID	REV 1 - RFI0130	06/14/19		JOB NUMBER		
ENTERED BY	G. RIMANDO	REV 0 - RFC	04/17/19				
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	03/01/19		CONTRACT NO. C9133		LOCATION NO.
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	11/16/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFERY D. ZIGWEID — STATE OF WASHINGTON — 21141 — REGISTERED PROFESSIONAL ENGINEER
2/19/26
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

DRAINAGE PROFILE

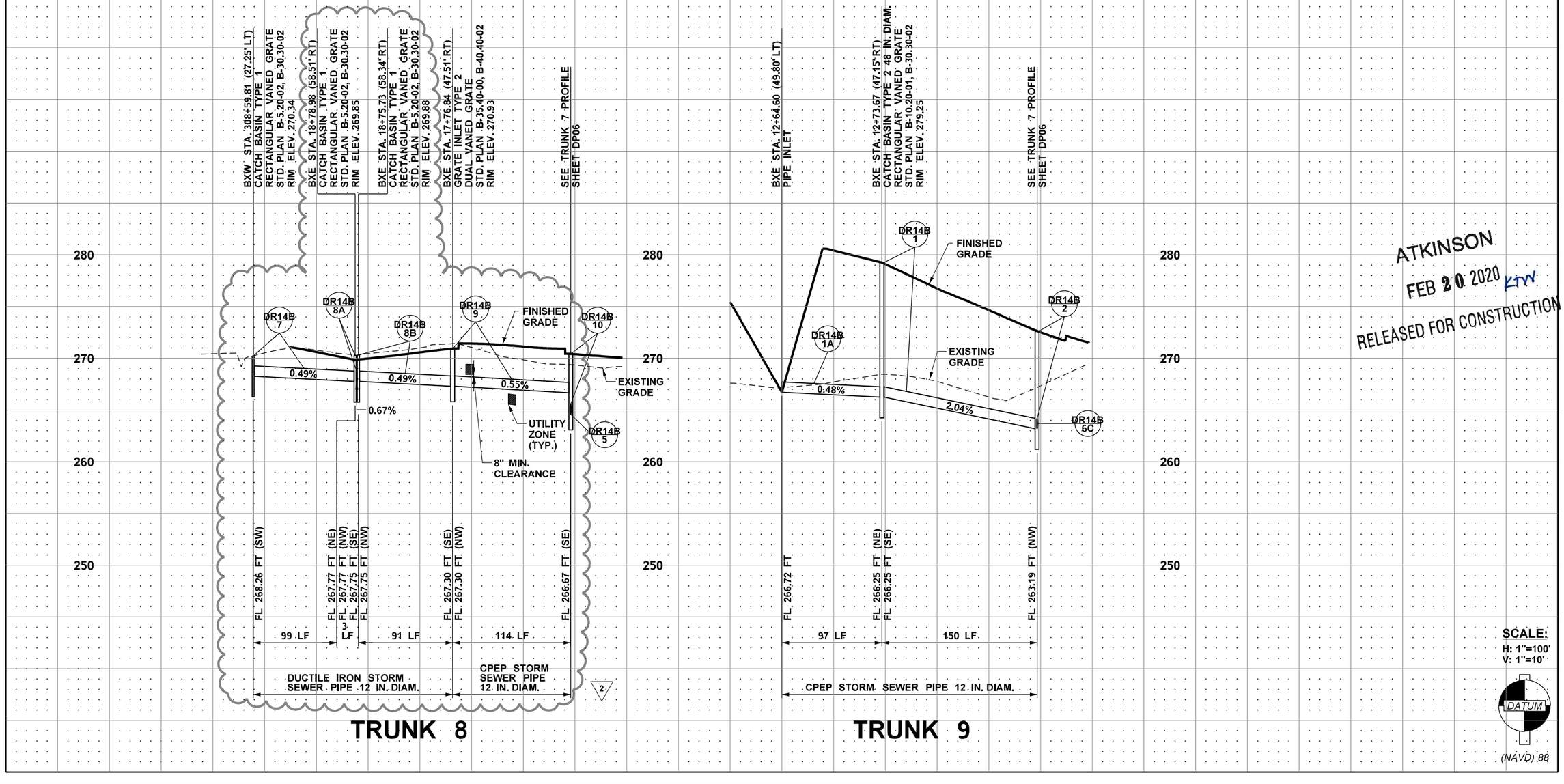
PLAN REF. NO. DP06

SHEET 323 OF 1456 SHEETS

AS-BUILT

NOTES:

1. STATION, OFFSET, AND RIM ELEVATION FOR STRUCTURES ARE CENTER OF STRUCTURE. UNLESS NOTED OTHERWISE.
2. ALL GRATES AND COVERS SHALL BE BOLTED DOWN WITH 304 STAINLESS STEEL 5/8"-11 NCx2 INCH ALLEN HEAD CAP SCREW UNLESS OTHERWISE NOTED.



ATKINSON
FEB 20 2020 KTW
RELEASED FOR CONSTRUCTION

SCALE:
H: 1"=100'
V: 1"=10'

DATUM
(NAVD) 88

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TIME	3:24:39 PM				JOB NUMBER		
DATE	1/28/2020				CONTRACT NO. C9133		LOCATION NO.
PLOTTED BY	AndrewM	REV 2 - RFI0351	01/28/20				
DESIGNED BY	J. ZIGWEID	REV 1 - RFI0130	06/14/19				
ENTERED BY	G. RIMANDO	REV 0 - RFC	04/17/19				
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	03/01/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	11/16/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFERY D. ZIGWEID — STATE OF WASHINGTON — 21141 — REGISTERED PROFESSIONAL ENGINEER
4/19/20
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

DRAINAGE PROFILE

PLAN REF. NO. DP07

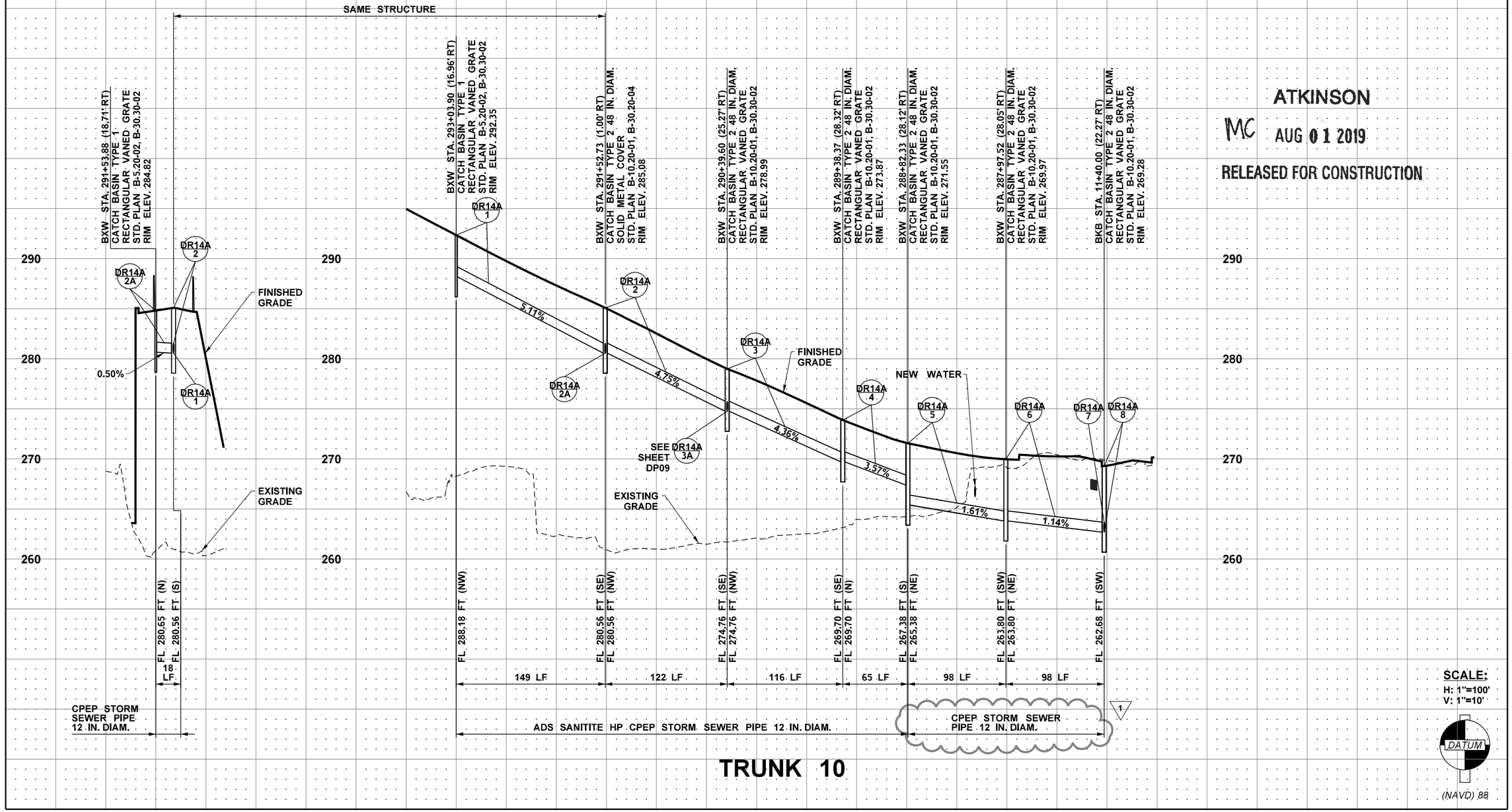
SHEET 324 OF 1456 SHEETS

AS-BUILT

NOTES:

1. STATION, OFFSET, AND RIM ELEVATION FOR STRUCTURES ARE CENTER OF STRUCTURE: UNLESS NOTED OTHERWISE.
2. ALL GRATES AND COVERS SHALL BE BOLTED DOWN WITH 304 STAINLESS STEEL 5/8"-11 NCx2 INCH ALLEN HEAD CAP SCREW UNLESS OTHERWISE NOTED.

ATKINSON
MC AUG 01 2019
RELEASED FOR CONSTRUCTION



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TIME	8:47:52 AM						
DATE	7/29/2019						
PLOTTED BY	AndrewM						
DESIGNED BY	J. ZIGWEID	REV 1 - RFI 0166	07/29/19		JOB NUMBER		
ENTERED BY	A. MAILLOUX	REV 0 - RFC	07/08/19				
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	05/31/19		CONTRACT NO. C9133		LOCATION NO.
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	11/16/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

STATE OF WASHINGTON — JEFFERY D. ZIGWEID — 51417 — REGISTERED PROFESSIONAL ENGINEER
7/29/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

DRAINAGE PROFILE

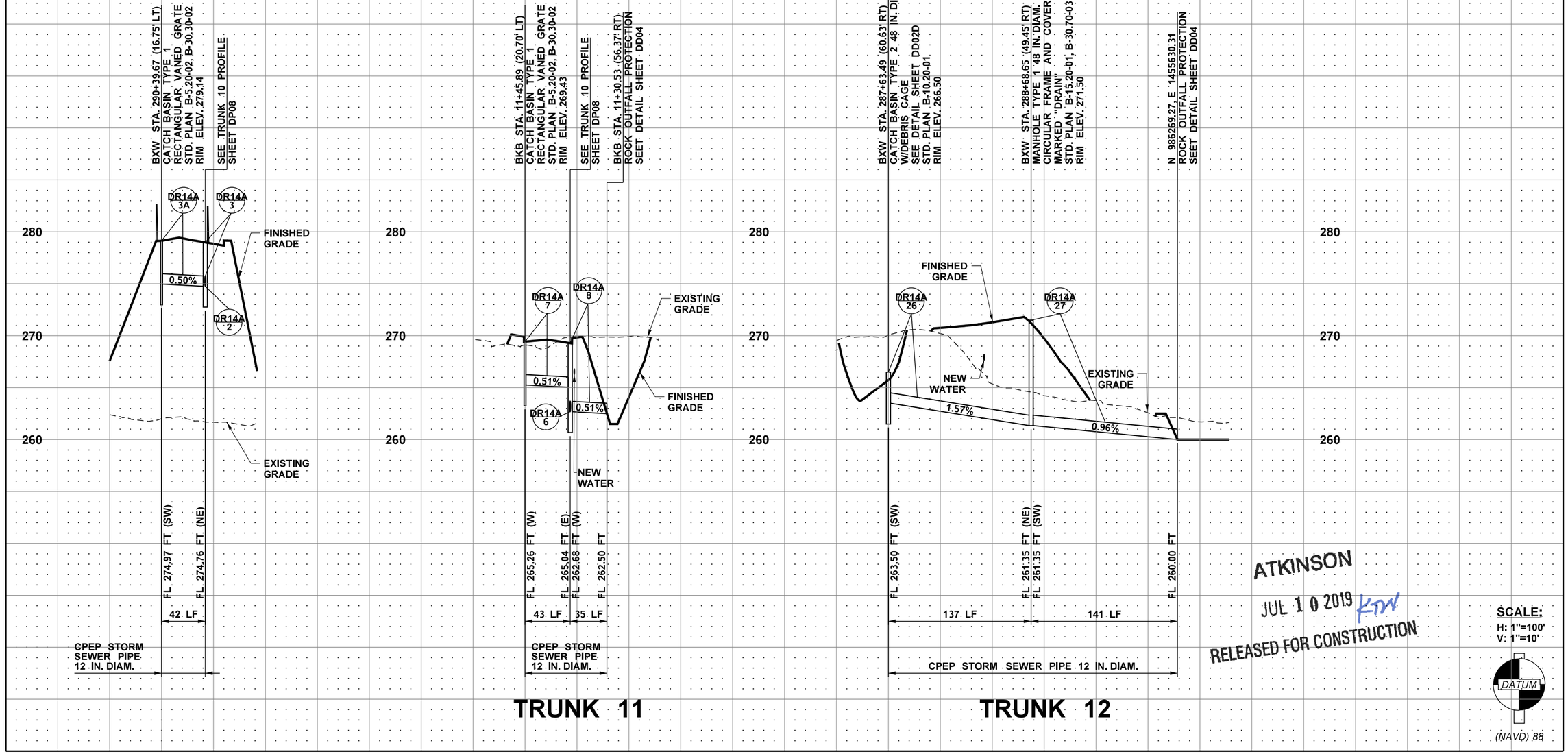
PLAN REF. NO. DP08

SHEET 325 OF 1456 SHEETS

AS-BUILT

NOTES:

1. STATION, OFFSET, AND RIM ELEVATION FOR STRUCTURES ARE CENTER OF STRUCTURE. UNLESS NOTED OTHERWISE.
2. ALL GRATES AND COVERS SHALL BE BOLTED DOWN WITH 304 STAINLESS STEEL 5/8"-11 NCx2 INCH ALLEN HEAD CAP SCREW UNLESS OTHERWISE NOTED.



TRUNK 11

TRUNK 12

ATKINSON

JUL 10 2019

RELEASED FOR CONSTRUCTION

SCALE:
H: 1"=100'
V: 1"=10'

DATUM
(NAVD) 88

FILE NAME	c:\pwworking\jacobs_b&i\pw-zigweijd\dms20633\PR_DP09.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	9:24:30 AM				JOB NUMBER		
DATE	7/8/2019				CONTRACT NO. C9133		LOCATION NO.
PLOTTED BY	JeffZ						
DESIGNED BY	J. ZIGWEID						
ENTERED BY	A. MAILLOUX	REV 0 - RFC	07/08/19				
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	05/31/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	11/16/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFERY D. ZIGWEID — STATE OF WASHINGTON — 51742 — REGISTERED PROFESSIONAL ENGINEER
7/10/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

DRAINAGE PROFILE

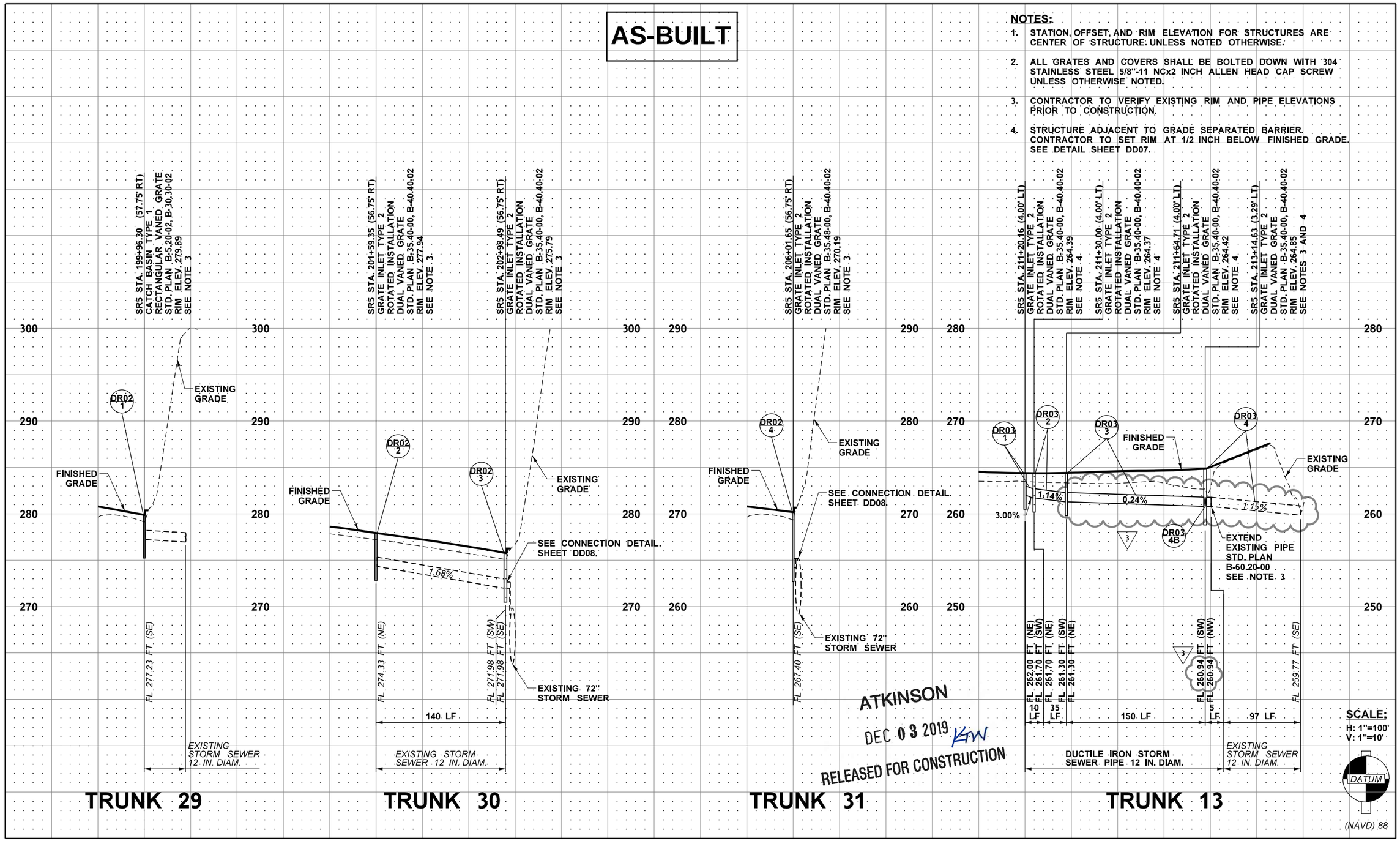
PLAN REF. NO. DP09

SHEET 326 OF 1456 SHEETS

AS-BUILT

NOTES:

1. STATION, OFFSET, AND RIM ELEVATION FOR STRUCTURES ARE CENTER OF STRUCTURE UNLESS NOTED OTHERWISE.
2. ALL GRATES AND COVERS SHALL BE BOLTED DOWN WITH 304 STAINLESS STEEL 5/8"-11 NCx2 INCH ALLEN HEAD CAP SCREW UNLESS OTHERWISE NOTED.
3. CONTRACTOR TO VERIFY EXISTING RIM AND PIPE ELEVATIONS PRIOR TO CONSTRUCTION.
4. STRUCTURE ADJACENT TO GRADE SEPARATED BARRIER. CONTRACTOR TO SET RIM AT 1/2 INCH BELOW FINISHED GRADE. SEE DETAIL SHEET DD07.



ATKINSON
DEC 03 2019 KW
RELEASED FOR CONSTRUCTION

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TIME	9:19:55 AM				JOB NUMBER		
DATE	10/11/2019	REV 3 - RFI0251	10/10/19		CONTRACT NO. C9133		LOCATION NO.
PLOTTED BY	JeffZ	REV 2 - RFI0130	06/14/19				
DESIGNED BY	J. ZIGWEID	REV 1 - RFI0074	04/05/19				
ENTERED BY	G. RIMANDO	REV 0 - RFC	02/25/19				
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	01/25/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	11/16/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFERY D. ZIGWEID — STATE OF WASHINGTON — 25147 — REGISTERED PROFESSIONAL ENGINEER
12/2/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

DRAINAGE PROFILE

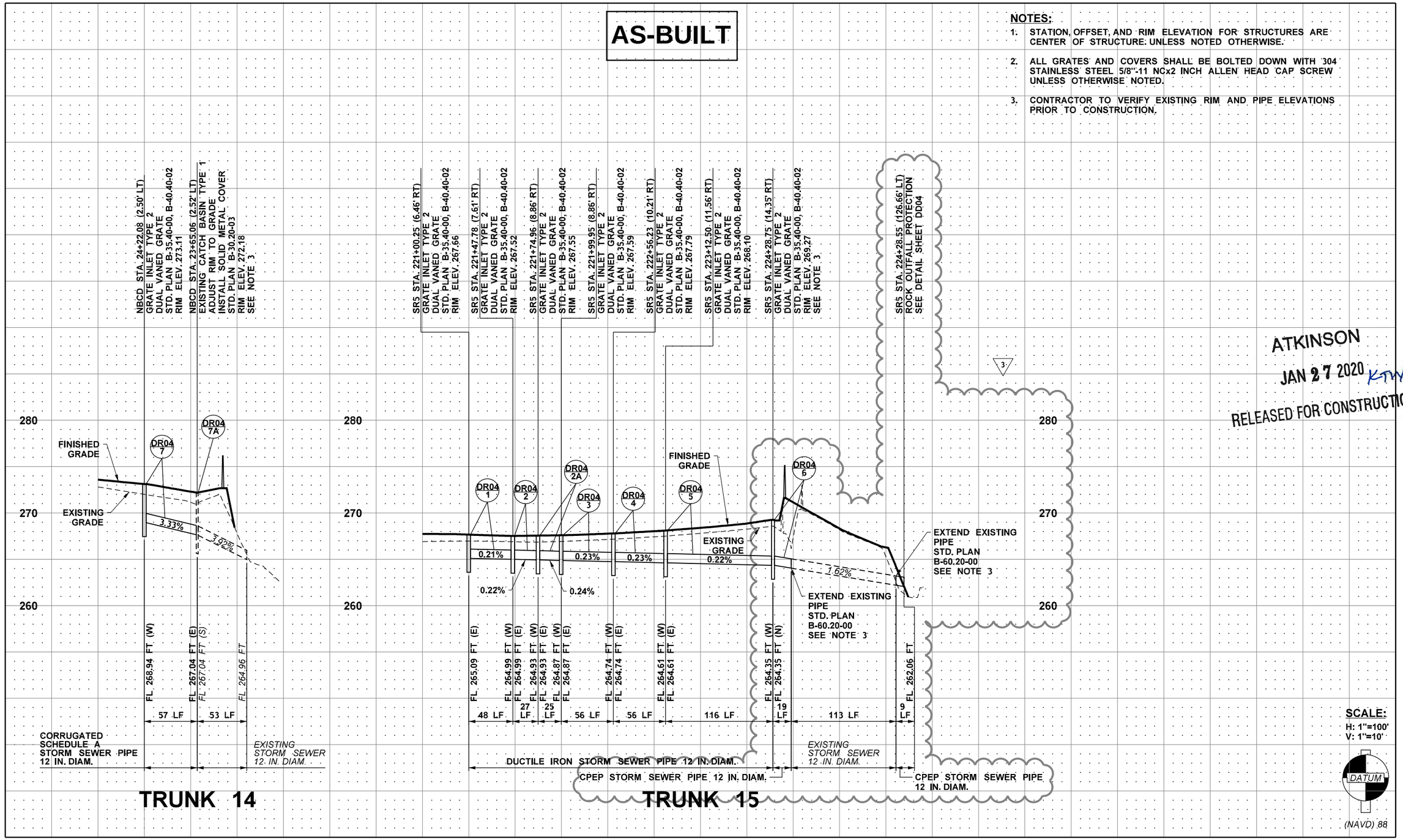
PLAN REF. NO. DP10

SHEET 327 OF 1456 SHEETS

AS-BUILT

NOTES:

1. STATION, OFFSET, AND RIM ELEVATION FOR STRUCTURES ARE CENTER OF STRUCTURE UNLESS NOTED OTHERWISE.
2. ALL GRATES AND COVERS SHALL BE BOLTED DOWN WITH 304 STAINLESS STEEL 5/8"-11 NCx2 INCH ALLEN HEAD CAP SCREW UNLESS OTHERWISE NOTED.
3. CONTRACTOR TO VERIFY EXISTING RIM AND PIPE ELEVATIONS PRIOR TO CONSTRUCTION.



ATKINSON
JAN 27 2020 KTW
RELEASED FOR CONSTRUCTION

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TIME	3:20:32 PM				10	WASH		
DATE	1/22/2020	REV 3 - RFI0367	1/22/20		JOB NUMBER			
PLOTTED BY	JeffZ	REV 2 - RFI0130	06/14/19					
DESIGNED BY	J. ZIGWEID	REV 1 - RELEASE OF NFC	03/11/19					
ENTERED BY	G. RIMANDO	REV 0 - RFC	02/25/19		CONTRACT NO.		LOCATION NO.	
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	01/25/19		C9133			
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	11/16/18					
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY				

JEFFERY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
1/22/20
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

DRAINAGE PROFILE

PLAN REF. NO. DP11

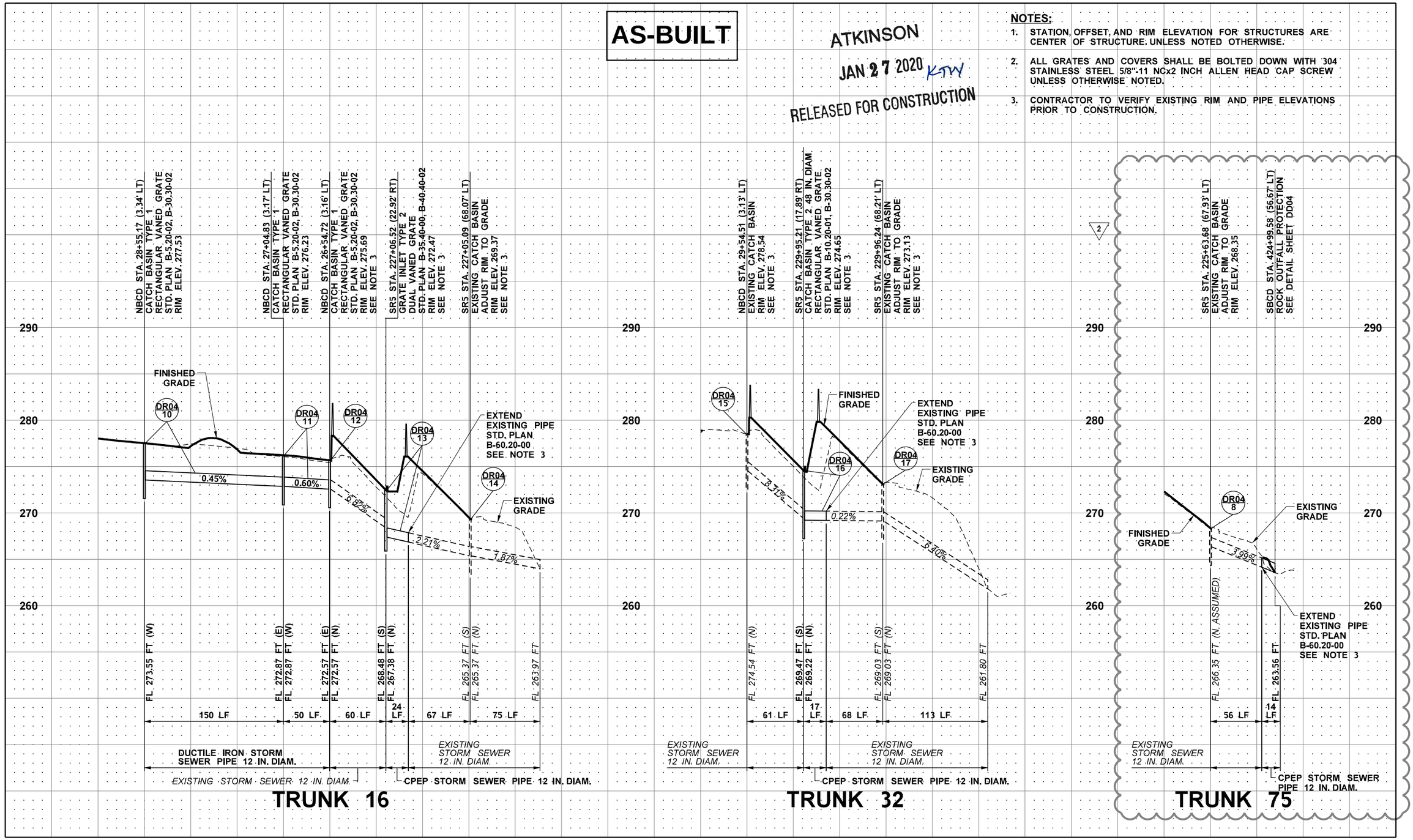
SHEET 328 OF 1456 SHEETS

AS-BUILT

ATKINSON
JAN 27 2020 K-TW
RELEASED FOR CONSTRUCTION

NOTES:

1. STATION, OFFSET, AND RIM ELEVATION FOR STRUCTURES ARE CENTER OF STRUCTURE UNLESS NOTED OTHERWISE.
2. ALL GRATES AND COVERS SHALL BE BOLTED DOWN WITH 304 STAINLESS STEEL 5/8"-11 NCx2 INCH ALLEN HEAD CAP SCREW UNLESS OTHERWISE NOTED.
3. CONTRACTOR TO VERIFY EXISTING RIM AND PIPE ELEVATIONS PRIOR TO CONSTRUCTION.



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DATE	1/22/2020				JOB NUMBER		
PLOTTED BY	JeffZ	REV 2 - RFI0367	1/22/20				
DESIGNED BY	J. ZIGWEID	REV 1 - RFI0130	06/14/19		CONTRACT NO.		LOCATION NO.
ENTERED BY	G. RIMANDO	REV 0 - RFC	02/25/19		C9133		
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	01/25/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	11/16/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFERY D. ZIGWEID — STATE OF WASHINGTON — 31141 — REGISTERED PROFESSIONAL ENGINEER
1/22/20
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

DRAINAGE PROFILE

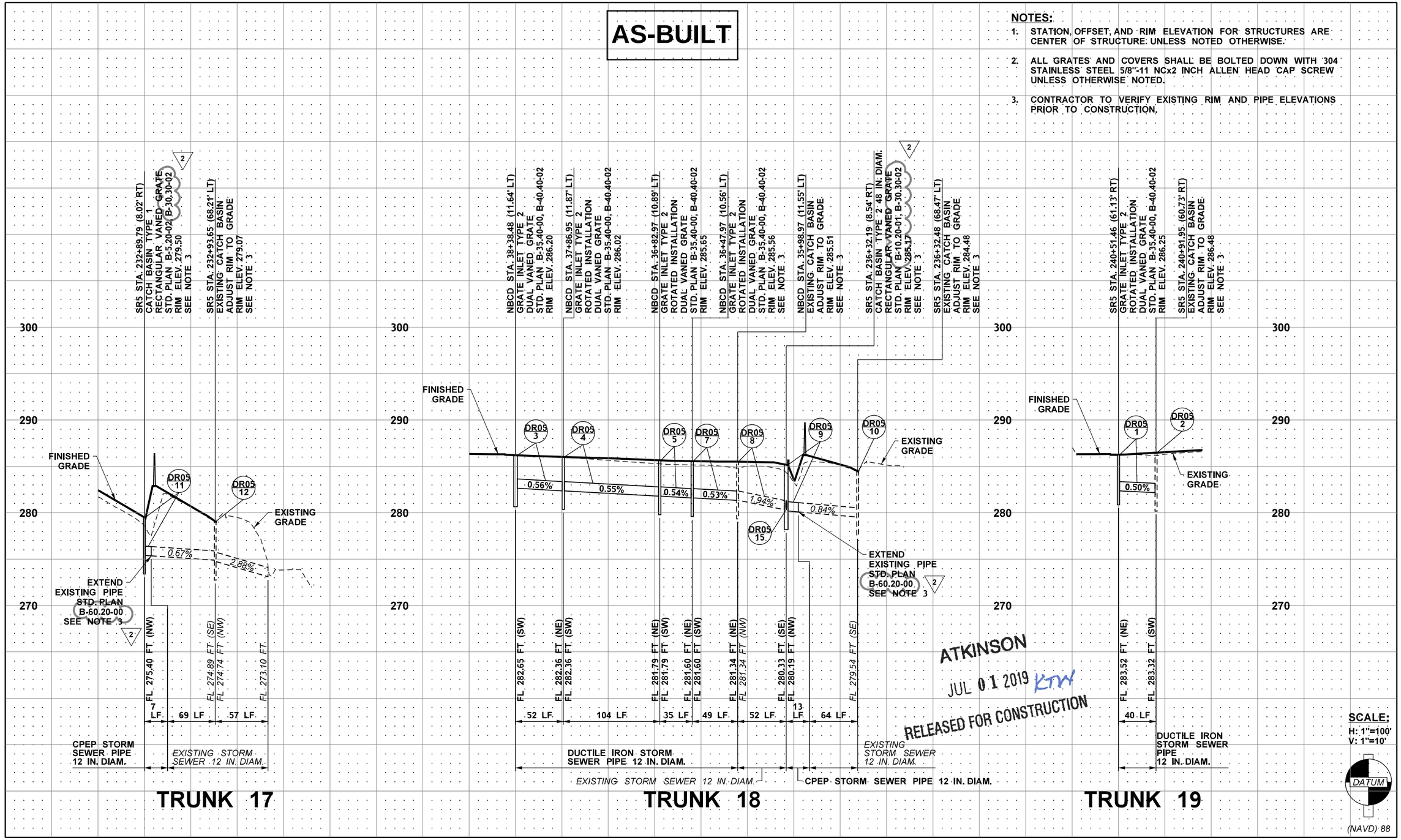
PLAN REF. NO. DP12

SHEET 329 OF 1456 SHEETS

AS-BUILT

NOTES:

1. STATION, OFFSET, AND RIM ELEVATION FOR STRUCTURES ARE CENTER OF STRUCTURE UNLESS NOTED OTHERWISE.
2. ALL GRATES AND COVERS SHALL BE BOLTED DOWN WITH 304 STAINLESS STEEL 5/8"-11 NCx2 INCH ALLEN HEAD CAP SCREW UNLESS OTHERWISE NOTED.
3. CONTRACTOR TO VERIFY EXISTING RIM AND PIPE ELEVATIONS PRIOR TO CONSTRUCTION.



ATKINSON
JUL 01 2019 KTW
RELEASED FOR CONSTRUCTION

SCALE:
H: 1"=100'
V: 1"=10'

DATUM
(NAVD) 88

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TIME	3:06:04 PM						
DATE	6/28/2019				JOB NUMBER		
PLOTTED BY	JeffZ	REV 2 - RFI0130	06/14/19				
DESIGNED BY	J. ZIGWEID	REV 1 - RELEASE OF NFC	03/11/19		CONTRACT NO. C9133		LOCATION NO.
ENTERED BY	G. RIMANDO	REV 0 - RFC	02/25/19				
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	01/25/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	11/16/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
6/28/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

DRAINAGE PROFILE

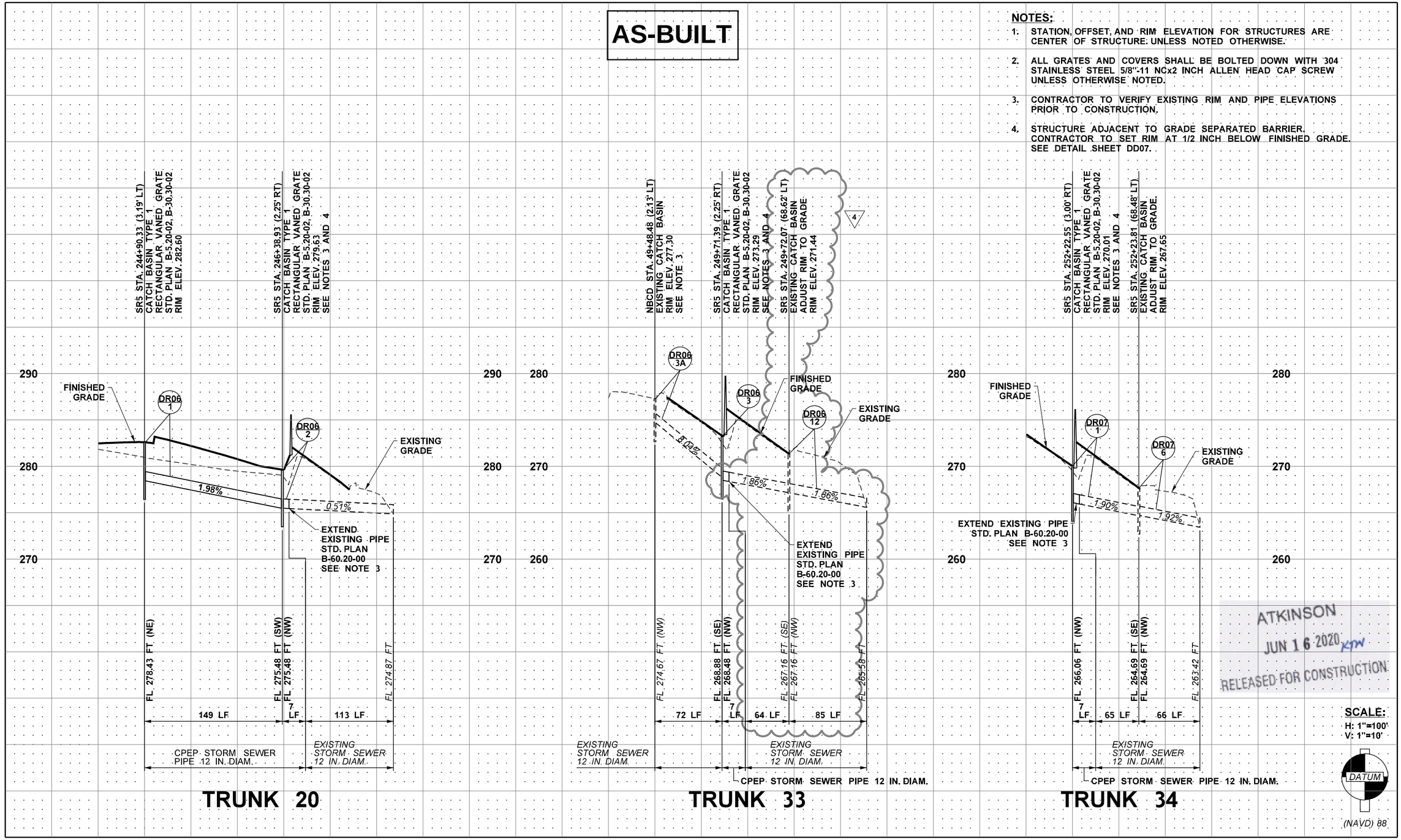
PLAN REF. NO. DP13

SHEET 330 OF 1456 SHEETS

AS-BUILT

NOTES:

1. STATION, OFFSET, AND RIM ELEVATION FOR STRUCTURES ARE CENTER OF STRUCTURE UNLESS NOTED OTHERWISE.
2. ALL GRATES AND COVERS SHALL BE BOLTED DOWN WITH 304 STAINLESS STEEL 5/8"-11 NCx2 INCH ALLEN HEAD CAP SCREW UNLESS OTHERWISE NOTED.
3. CONTRACTOR TO VERIFY EXISTING RIM AND PIPE ELEVATIONS PRIOR TO CONSTRUCTION.
4. STRUCTURE ADJACENT TO GRADE SEPARATED BARRIER. CONTRACTOR TO SET RIM AT 1/2 INCH BELOW FINISHED GRADE. SEE DETAIL SHEET DD07.



ATKINSON
JUN 16 2020
RELEASED FOR CONSTRUCTION

SCALE:
H: 1"=100'
V: 1"=10'

DATUM
(NAVD) 88

FILE NAME	c:\pwworking\jacobs_b&i\pw-zlgweljd\dms20633\PR_DP14.dgn						
TIME	12:16:58 PM	REV 4 - RFI0487	06/12/20				
DATE	6/15/2020	REV 3 - RFI0420	02/27/20				
PLOTTED BY	JeffZ	REV 2 - RFI0286	10/28/19				
DESIGNED BY	J. ZIGWEID	REV 1 - RFI0130	06/14/19				
ENTERED BY	G. RIMANDO	REV 0 - RFC	02/25/19				
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	01/25/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	11/16/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER		
CONTRACT NO.		LOCATION NO.
C9133		

JEFFERY D. ZIGWEID — STATE OF WASHINGTON — 15141 — REGISTERED PROFESSIONAL ENGINEER
6/15/20
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

DRAINAGE PROFILE

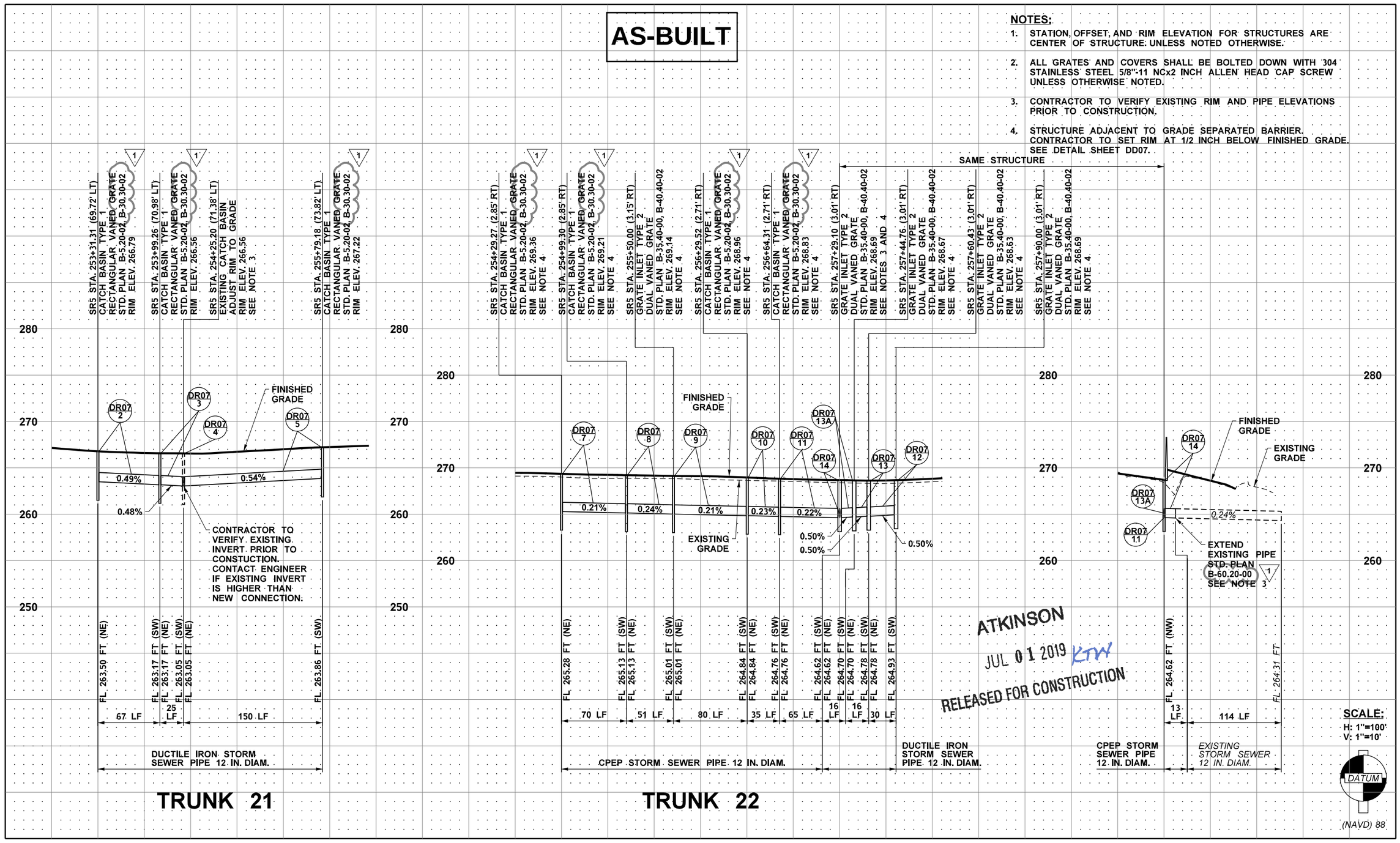
PLAN REF. NO. DP14

SHEET 331 OF 1456 SHEETS

AS-BUILT

NOTES:

1. STATION, OFFSET, AND RIM ELEVATION FOR STRUCTURES ARE CENTER OF STRUCTURE UNLESS NOTED OTHERWISE.
2. ALL GRATES AND COVERS SHALL BE BOLTED DOWN WITH 304 STAINLESS STEEL 5/8"-11 NCx2 INCH ALLEN HEAD CAP SCREW UNLESS OTHERWISE NOTED.
3. CONTRACTOR TO VERIFY EXISTING RIM AND PIPE ELEVATIONS PRIOR TO CONSTRUCTION.
4. STRUCTURE ADJACENT TO GRADE SEPARATED BARRIER. CONTRACTOR TO SET RIM AT 1/2 INCH BELOW FINISHED GRADE. SEE DETAIL SHEET DD07.



ATKINSON
JUL 01 2019 KTW
RELEASED FOR CONSTRUCTION

FILE NAME	c:\pwworking\jacobs_b&i\pw-zigweijd\dms20633\PR_DP15.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	3:10:50 PM						
DATE	6/28/2019						
PLOTTED BY	JeffZ						
DESIGNED BY	J. ZIGWEID	REV 1 - RFI0130	06/14/19		JOB NUMBER		
ENTERED BY	G. RIMANDO	REV 0 - RFC	02/25/19				
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	01/25/19		CONTRACT NO. C9133		LOCATION NO.
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	11/16/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
5/29/19
P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

DRAINAGE PROFILE

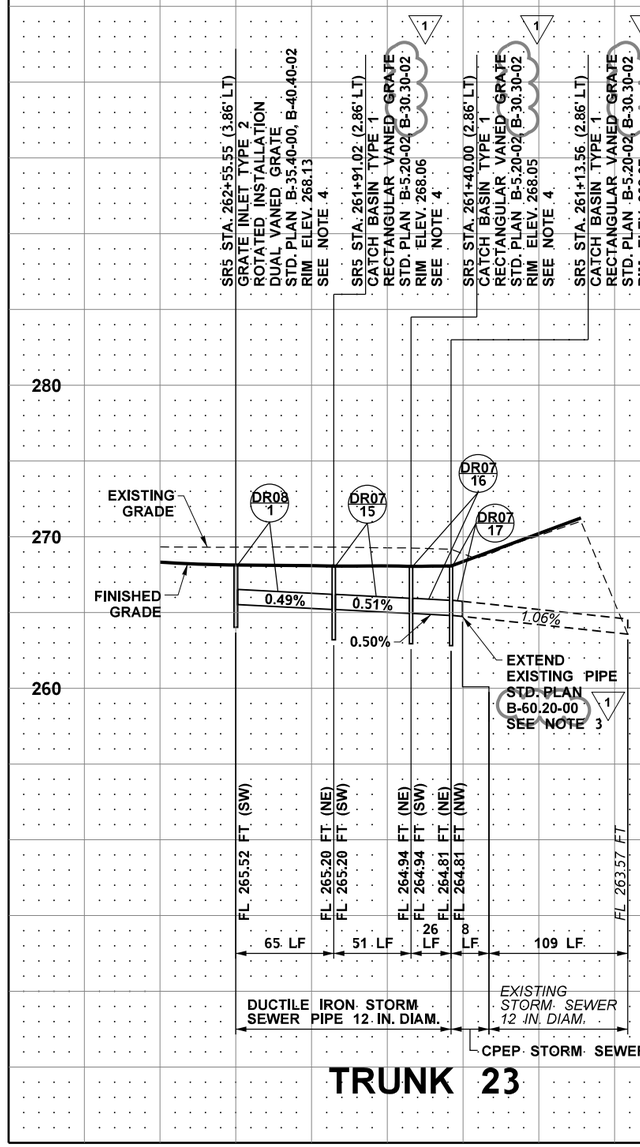
PLAN REF. NO. DP15

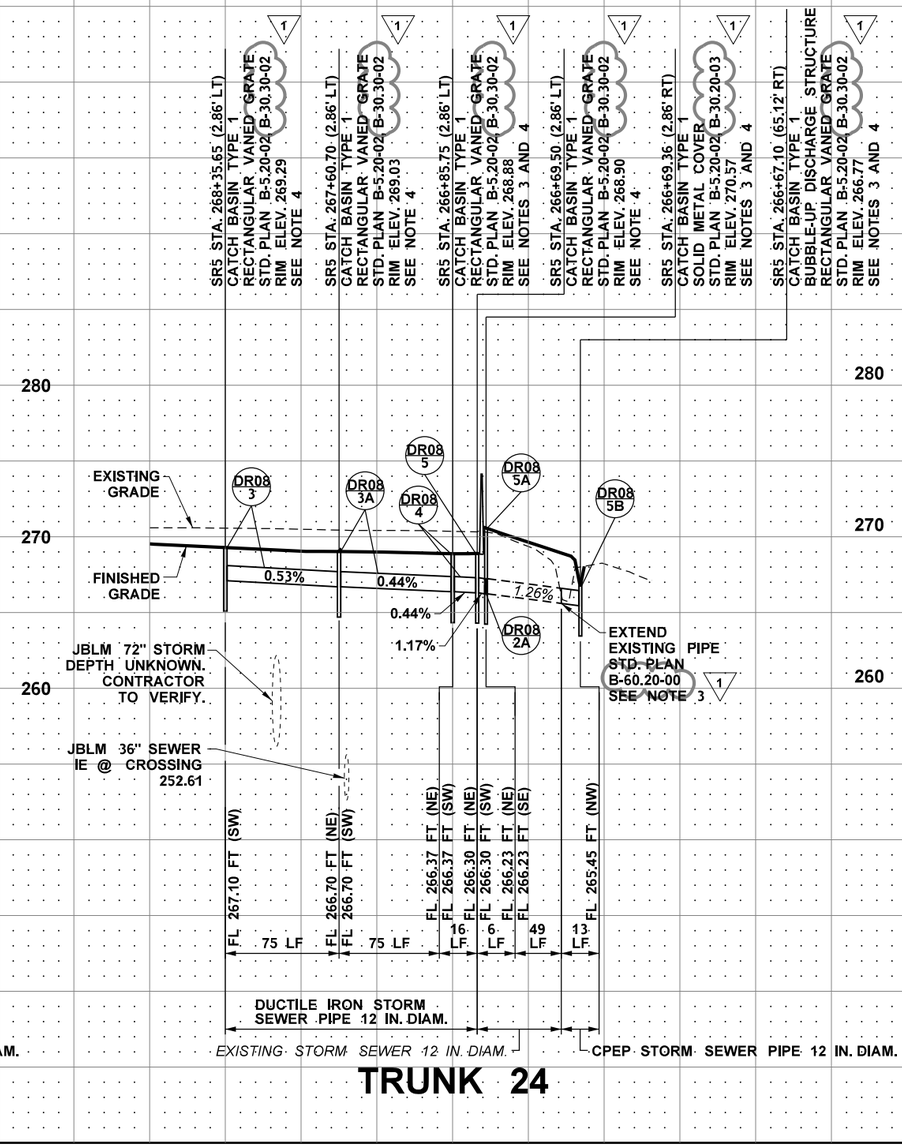
SHEET 332 OF 1456 SHEETS

AS-BUILT

NOTES:

1. STATION, OFFSET, AND RIM ELEVATION FOR STRUCTURES ARE CENTER OF STRUCTURE UNLESS NOTED OTHERWISE.
2. ALL GRATES AND COVERS SHALL BE BOLTED DOWN WITH 304 STAINLESS STEEL 5/8"-11 NCx2 INCH ALLEN HEAD CAP SCREW UNLESS OTHERWISE NOTED.
3. CONTRACTOR TO VERIFY EXISTING RIM AND PIPE ELEVATIONS PRIOR TO CONSTRUCTION.
4. STRUCTURE ADJACENT TO GRADE SEPARATED BARRIER. CONTRACTOR TO SET RIM AT 1/2 INCH BELOW FINISHED GRADE. SEE DETAIL SHEET DD07.





ATKINSON
JUL 01 2019 KTW
RELEASED FOR CONSTRUCTION

SCALE:
H: 1"=100'
V: 1"=10'

DATUM
(NAVD) 88

FILE NAME	c:\pwworking\jacobs_b&i\pw-zigweijd\dms20633\PR_DP16.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	3:13:13 PM						
DATE	6/28/2019						
PLOTTED BY	JeffZ				JOB NUMBER		
DESIGNED BY	J. ZIGWEID	REV 1 - RFI0130	06/14/19				
ENTERED BY	G. RIMANDO	REV 0 - RFC	02/25/19		CONTRACT NO. C9133		LOCATION NO.
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	01/25/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	11/16/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
6/28/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

DRAINAGE PROFILE

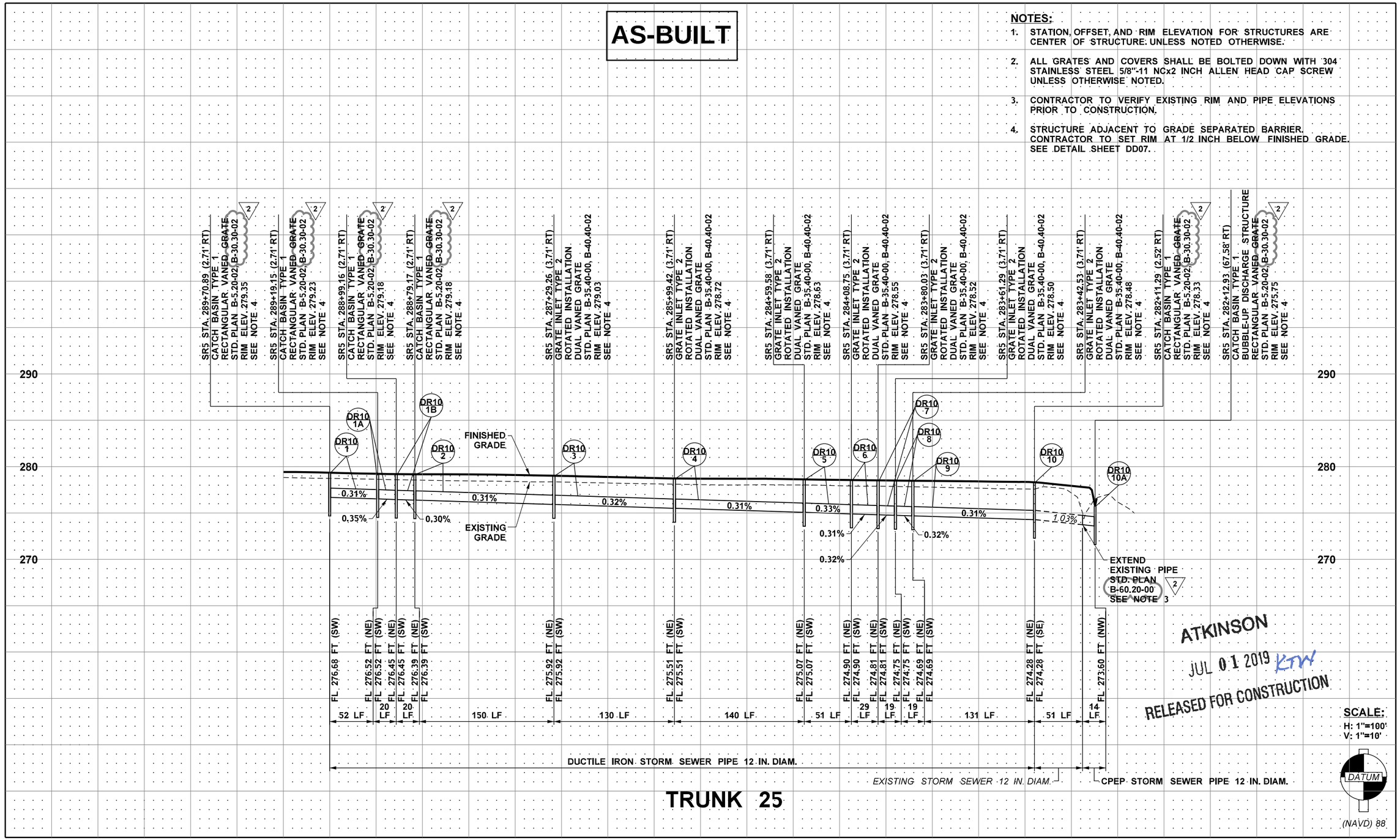
PLAN REF. NO. DP16

SHEET 333 OF 1456 SHEETS

AS-BUILT

NOTES:

1. STATION, OFFSET, AND RIM ELEVATION FOR STRUCTURES ARE CENTER OF STRUCTURE UNLESS NOTED OTHERWISE.
2. ALL GRATES AND COVERS SHALL BE BOLTED DOWN WITH 304 STAINLESS STEEL 5/8"-11 NCx2 INCH ALLEN HEAD CAP SCREW UNLESS OTHERWISE NOTED.
3. CONTRACTOR TO VERIFY EXISTING RIM AND PIPE ELEVATIONS PRIOR TO CONSTRUCTION.
4. STRUCTURE ADJACENT TO GRADE SEPARATED BARRIER. CONTRACTOR TO SET RIM AT 1/2 INCH BELOW FINISHED GRADE. SEE DETAIL SHEET DD07.



ATKINSON

JUL 01 2019 KTW

RELEASED FOR CONSTRUCTION

SCALE:
H: 1"=100'
V: 1"=10'

DATUM
(NAVD) 88

TRUNK 25

FILE NAME	c:\pwworking\jacobs_b&i\pw-zigweijd\dms20633\PR_DP17.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	3:16:03 PM				JOB NUMBER		
DATE	6/28/2019				CONTRACT NO. C9133		LOCATION NO.
PLOTTED BY	JeffZ	REV 2 - RFI0130	06/14/19				
DESIGNED BY	J. ZIGWEID	REV 1 - REVISED DR10-10 OFFSET	03/11/19				
ENTERED BY	G. RIMANDO	REV 0 - RFC	02/25/19				
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	01/25/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	11/16/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 31141 — REGISTERED PROFESSIONAL ENGINEER

6/28/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON CONSTRUCTION / JACOBS

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

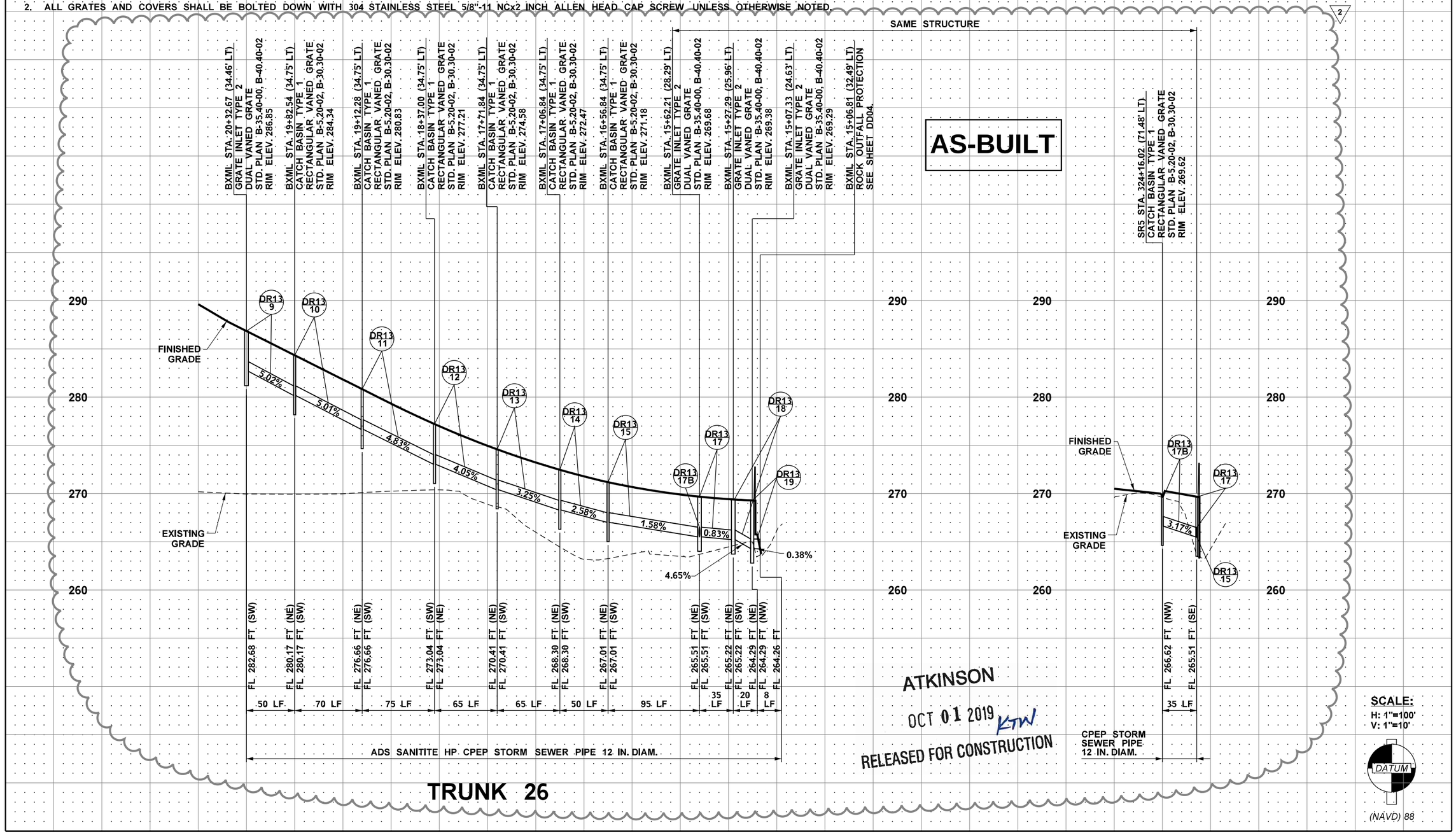
DRAINAGE PROFILE

PLAN REF. NO. DP17

SHEET 334 OF 1456 SHEETS

NOTES:

1. STATION, OFFSET, AND RIM ELEVATION FOR STRUCTURES ARE CENTER OF STRUCTURE. UNLESS NOTED OTHERWISE.
2. ALL GRATES AND COVERS SHALL BE BOLTED DOWN WITH 304 STAINLESS STEEL 5/8"-11 NCx2 INCH ALLEN HEAD CAP SCREW UNLESS OTHERWISE NOTED.



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TIME	3:34:24 PM				10	WASH	
DATE	9/25/2019				JOB NUMBER		
PLOTTED BY	JeffZ	REV 2 - RFI0182	09/30/19				
DESIGNED BY	J. ZIGWEID	REV 1 - RFI0130	06/14/19		CONTRACT NO.		LOCATION NO.
ENTERED BY	G. RIMANDO	REV 0 - RFC	04/17/19		C9133		
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	03/01/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	11/16/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 21148 — REGISTERED PROFESSIONAL ENGINEER
9/25/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation
ATKINSON CONSTRUCTION / JACOBS

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

DRAINAGE PROFILE

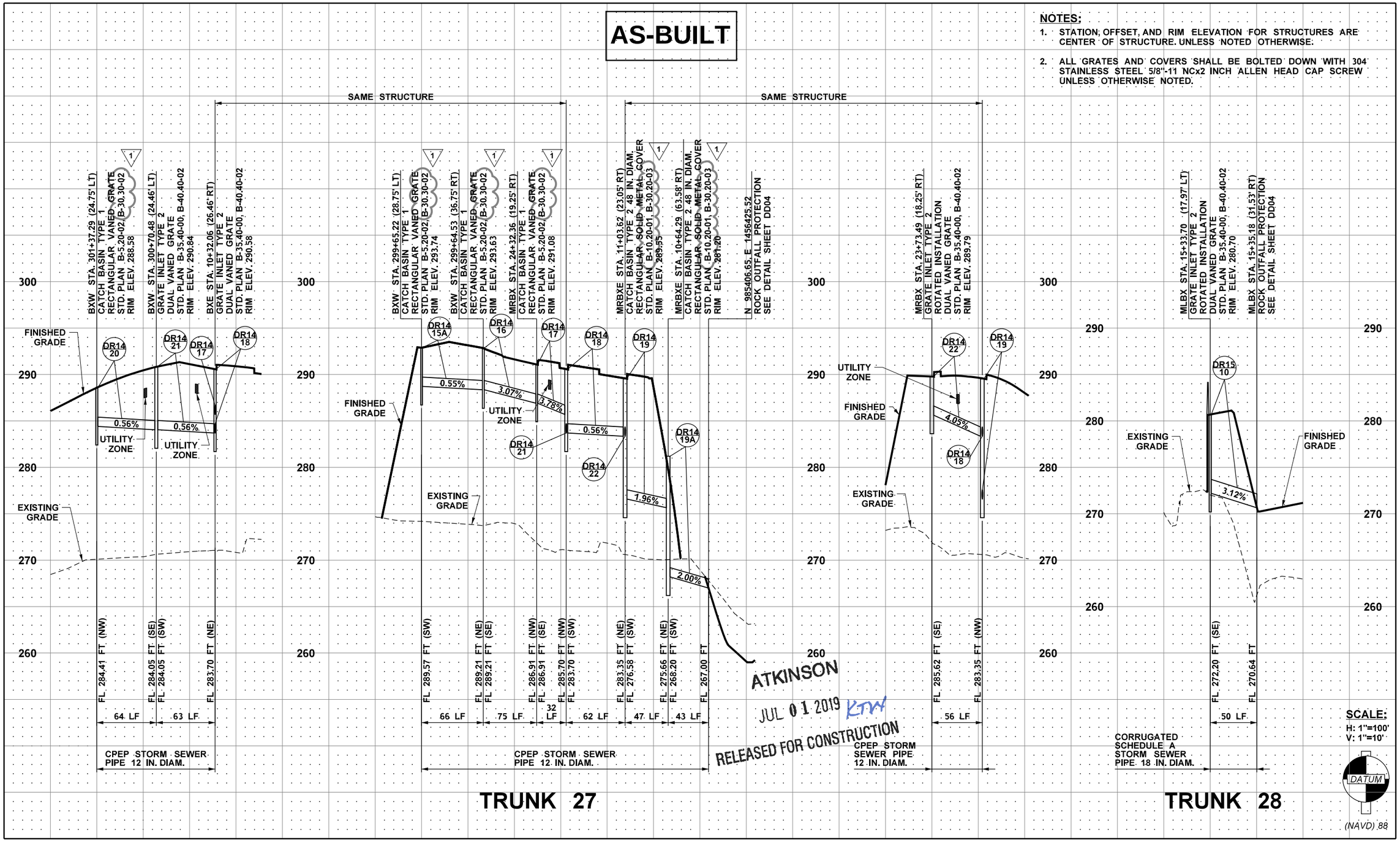
PLAN REF. NO. DP18

SHEET 335 OF 1456 SHEETS

AS-BUILT

NOTES:

1. STATION, OFFSET, AND RIM ELEVATION FOR STRUCTURES ARE CENTER OF STRUCTURE. UNLESS NOTED OTHERWISE.
2. ALL GRATES AND COVERS SHALL BE BOLTED DOWN WITH 304 STAINLESS STEEL 5/8"-11 NCx2 INCH ALLEN HEAD CAP SCREW UNLESS OTHERWISE NOTED.



SCALE:
H: 1"=100'
V: 1"=10'

DATUM
(NAVD) 88

FILE NAME	c:\pwworking\jacobs_b&i\pw-zigweijd\dms20633\PR_DP19.dgn						
TIME	3:22:24 PM						
DATE	6/28/2019						
PLOTTED BY	JeffZ						
DESIGNED BY	J. ZIGWEID	REV 1 - RFI0130	06/14/19				
ENTERED BY	G. RIMANDO	REV 0 - RFC	04/17/19				
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	03/01/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	11/16/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

REGION NO. 10 | STATE WASH
JOB NUMBER
CONTRACT NO. C9133
FED.AID PROJ.NO.
LOCATION NO.

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 53141 — REGISTERED PROFESSIONAL ENGINEER
6/28/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation
ATKINSON CONSTRUCTION / JACOBS

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

DRAINAGE PROFILE

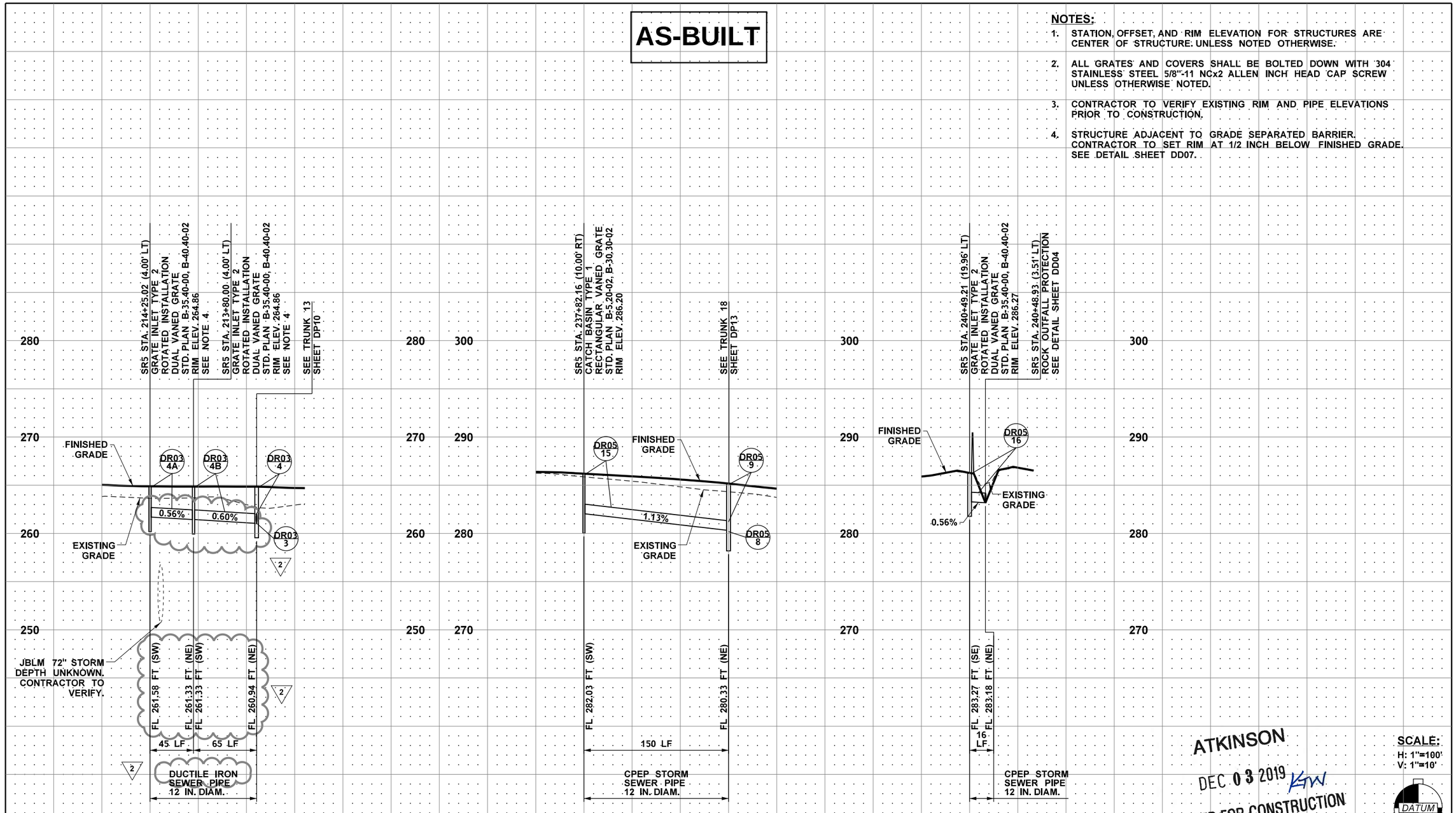
PLAN REF. NO. DP19

SHEET 336 OF 1456 SHEETS

AS-BUILT

NOTES:

1. STATION, OFFSET, AND RIM ELEVATION FOR STRUCTURES ARE CENTER OF STRUCTURE UNLESS NOTED OTHERWISE.
2. ALL GRATES AND COVERS SHALL BE BOLTED DOWN WITH 304 STAINLESS STEEL 5/8"-11 NCx2 ALLEN INCH HEAD CAP SCREW UNLESS OTHERWISE NOTED.
3. CONTRACTOR TO VERIFY EXISTING RIM AND PIPE ELEVATIONS PRIOR TO CONSTRUCTION.
4. STRUCTURE ADJACENT TO GRADE SEPARATED BARRIER. CONTRACTOR TO SET RIM AT 1/2 INCH BELOW FINISHED GRADE. SEE DETAIL SHEET DD07.



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TIME	3:03:19 PM				JOB NUMBER		
DATE	12/2/2019				CONTRACT NO. C9133		LOCATION NO.
PLOTTED BY	JeffZ	REV 2 - RFI0251	10/10/19				
DESIGNED BY	J. ZIGWEID	REV 1 - RFI0130	06/14/19				
ENTERED BY	G. RIMANDO	REV 0 - RFC	02/25/19				
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	01/25/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	11/16/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 15141 — REGISTERED PROFESSIONAL ENGINEER
12/2/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

DRAINAGE PROFILE

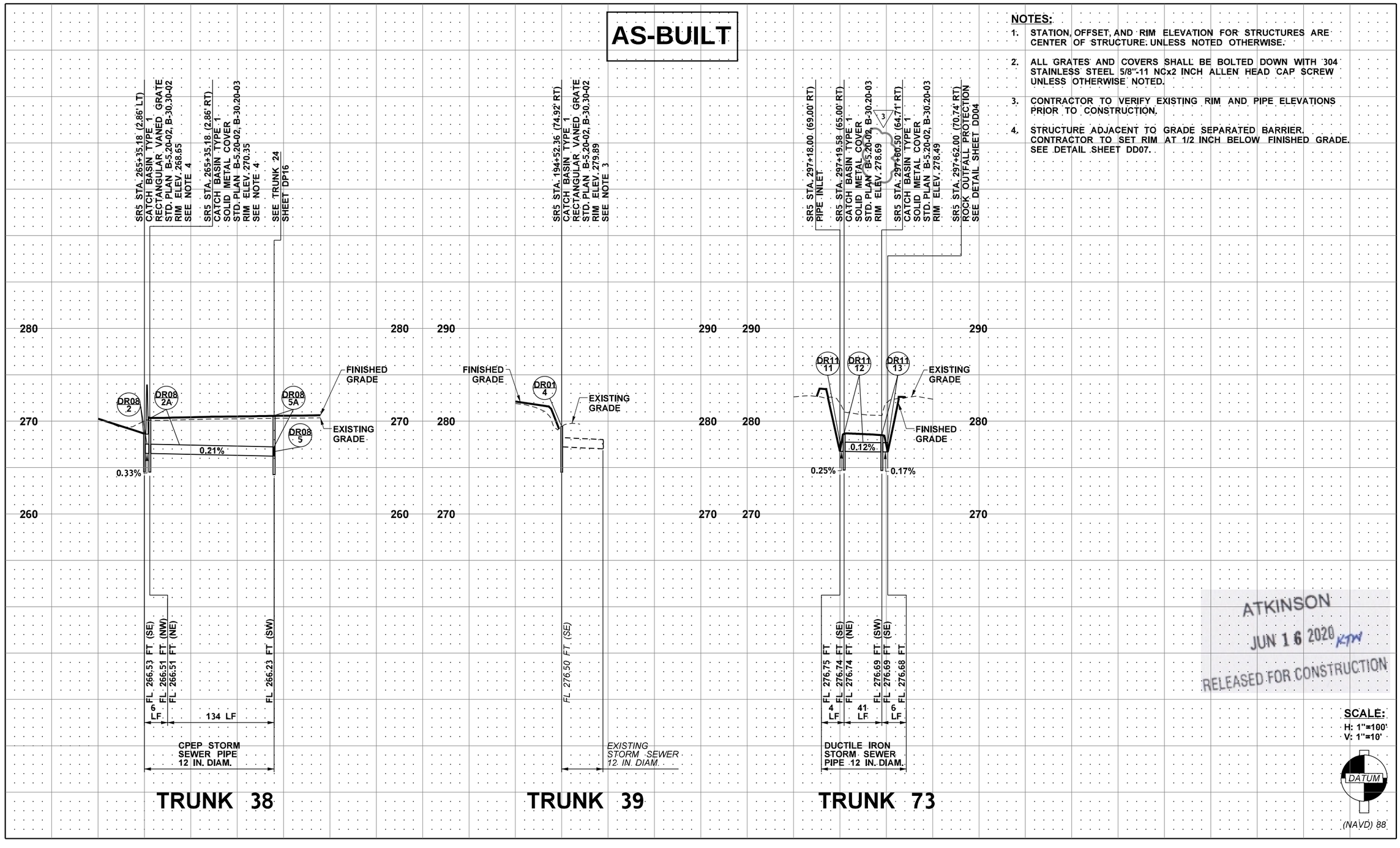
PLAN REF. NO. DP20

SHEET 337 OF 1456 SHEETS

AS-BUILT

NOTES:

1. STATION, OFFSET, AND RIM ELEVATION FOR STRUCTURES ARE CENTER OF STRUCTURE UNLESS NOTED OTHERWISE.
2. ALL GRATES AND COVERS SHALL BE BOLTED DOWN WITH 304 STAINLESS STEEL 5/8"-11 NCx2 INCH ALLEN HEAD CAP SCREW UNLESS OTHERWISE NOTED.
3. CONTRACTOR TO VERIFY EXISTING RIM AND PIPE ELEVATIONS PRIOR TO CONSTRUCTION.
4. STRUCTURE ADJACENT TO GRADE SEPARATED BARRIER. CONTRACTOR TO SET RIM AT 1/2 INCH BELOW FINISHED GRADE. SEE DETAIL SHEET DD07.



ATKINSON
JUN 16 2020
RELEASED FOR CONSTRUCTION

SCALE:
H: 1"=100'
V: 1"=10'

DATUM
(NAVD) 88

FILE NAME	c:\pwworking\jacobs_b&i\ex-mailloa\dms20633\PR_DP21.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	3:12:29 PM						
DATE	6/8/2020	REV 3 - RFI0487	06/12/20		JOB NUMBER		
PLOTTED BY	AndrewM	REV 2 - RFI 0346	12/20/19				
DESIGNED BY	J. ZIGWEID	REV 1 - RFI0130	06/14/19		CONTRACT NO. C9133		LOCATION NO.
ENTERED BY	G. RIMANDO	REV 0 - RFC	02/25/19				
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	01/25/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	11/16/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
6/15/20
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation
ATKINSON CONSTRUCTION / JACOBS

I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

DRAINAGE PROFILE

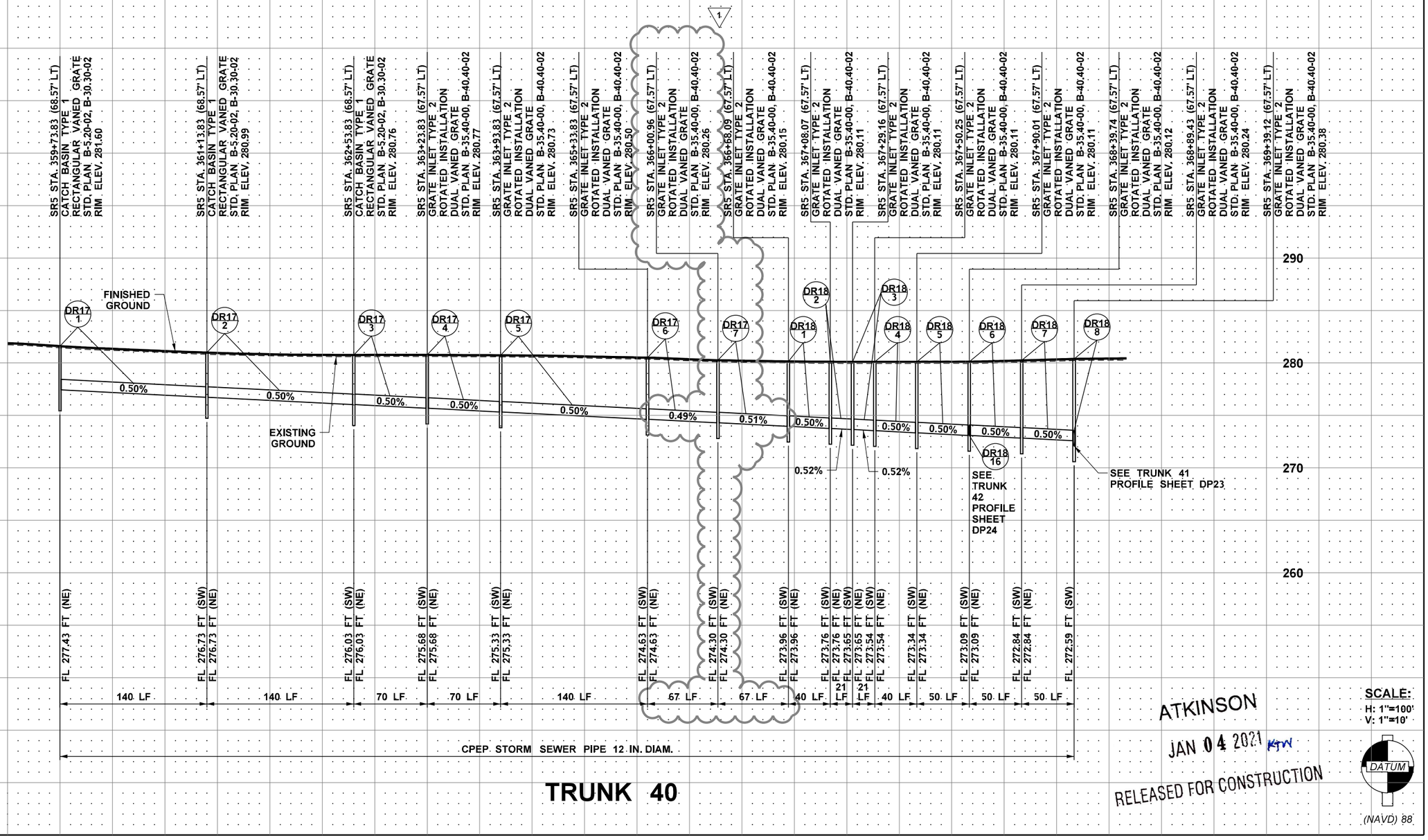
PLAN REF. NO. DP21

SHEET 338 OF 1456 SHEETS

NOTES:

1. STATION, OFFSET, AND RIM ELEVATION FOR STRUCTURES ARE CENTER OF STRUCTURE. UNLESS NOTED OTHERWISE.
2. ALL GRATES AND COVERS SHALL BE BOLTED DOWN WITH 304 STAINLESS STEEL 5/8"-11 NCx2 INCH ALLEN HEAD CAP SCREW UNLESS OTHERWISE NOTED.

AS-BUILT



TRUNK 40

SCALE:
H: 1"=100'
V: 1"=10'

ATKINSON
JAN 04 2021 KTW
RELEASED FOR CONSTRUCTION

DATUM
(NAVD) 88

FILE NAME	c:\pwworking\jacobs_b&l\pw-zlgweljd\dms20633\PR_DP22.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	12:40:25 PM						
DATE	1/4/2021						
PLOTTED BY	jeffz	REV 1 - RFI0601	1/04/21		JOB NUMBER		
DESIGNED BY	J. ZIGWEID	REV C - FINAL REVIEW	11/20/20				
ENTERED BY	A. MAILLOUX	REV 0 - RFC	08/14/19		CONTRACT NO. C9133		LOCATION NO.
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	06/27/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	03/15/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
1/04/21
P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation
ATKINSON CONSTRUCTION / JACOBS

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

DRAINAGE PROFILE

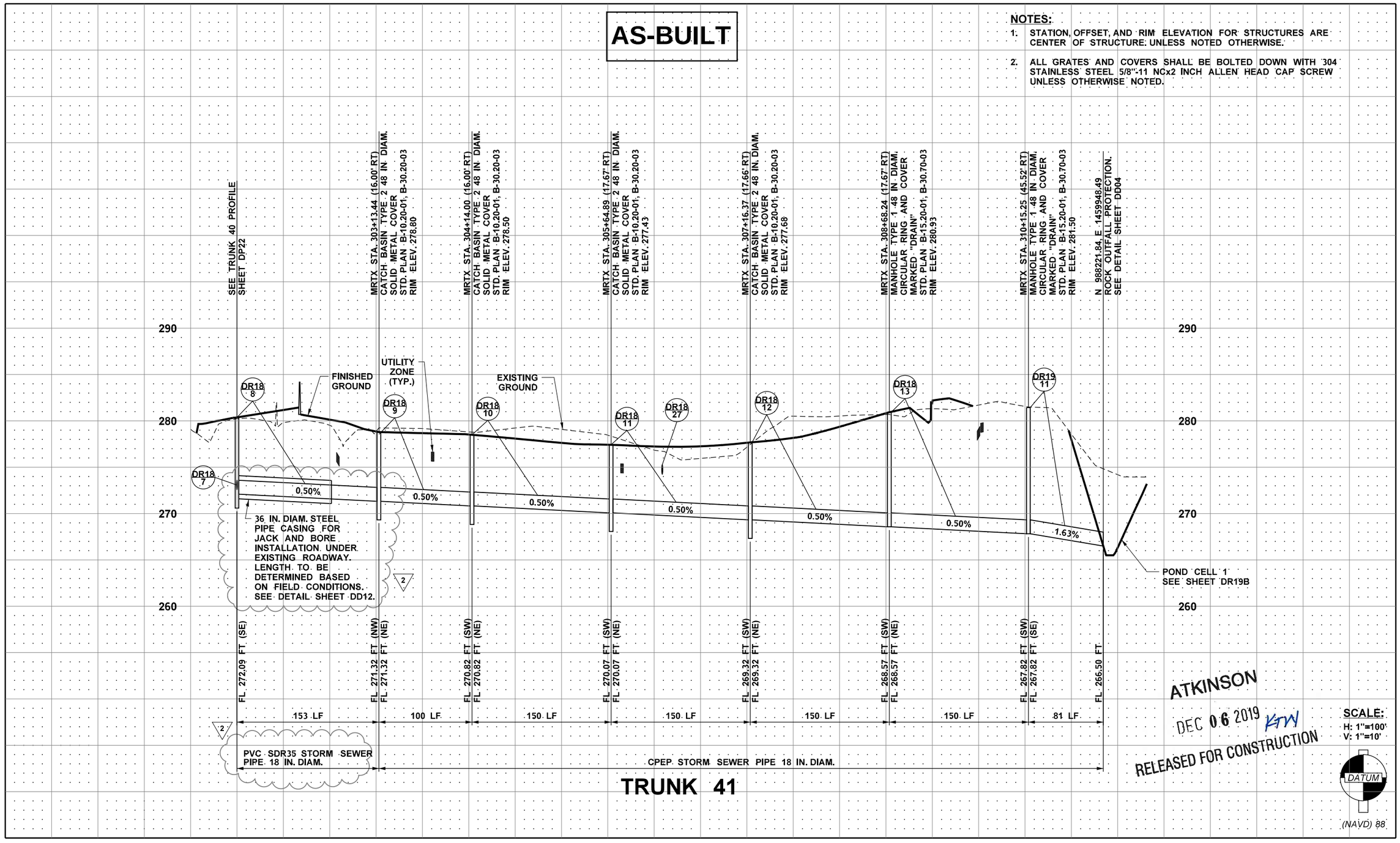
PLAN REF. NO. DP22

SHEET 339 OF 1456 SHEETS

AS-BUILT

NOTES:

1. STATION, OFFSET, AND RIM ELEVATION FOR STRUCTURES ARE CENTER OF STRUCTURE UNLESS NOTED OTHERWISE.
2. ALL GRATES AND COVERS SHALL BE BOLTED DOWN WITH 304 STAINLESS STEEL 5/8"-11 NCx2 INCH ALLEN HEAD CAP SCREW UNLESS OTHERWISE NOTED.



TRUNK 41

ATKINSON

DEC 06 2019 KTW

RELEASED FOR CONSTRUCTION

SCALE:
H: 1"=100'
V: 1"=10'

DATUM
(NAVD) 88

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TIME	9:17:31 AM			
DATE	12/4/2019			
PLOTTED BY	JeffZ	REV 2 - RFI0321	12/04/19	
DESIGNED BY	J. ZIGWEID	REV 1 - RFI0286	10/28/19	
ENTERED BY	A. MAILLOUX	REV 0 - RFC	08/14/19	
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	06/28/19	
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	03/15/18	
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY

REGION NO. 10 | STATE WASH
JOB NUMBER
CONTRACT NO. C9133
FED.AID PROJ.NO.
LOCATION NO.

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
12/4/19
P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

DRAINAGE PROFILE

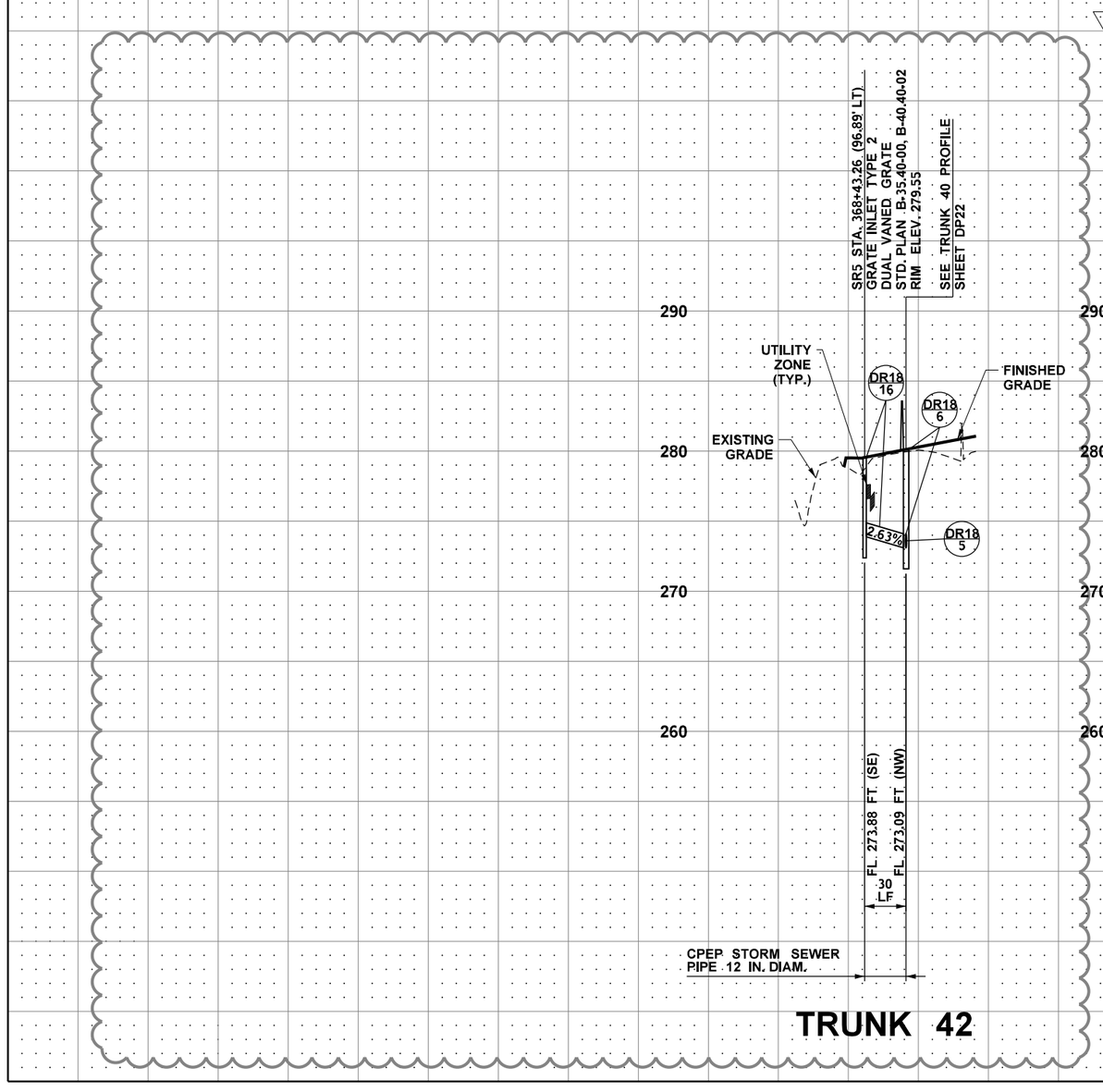
PLAN REF. NO. DP23

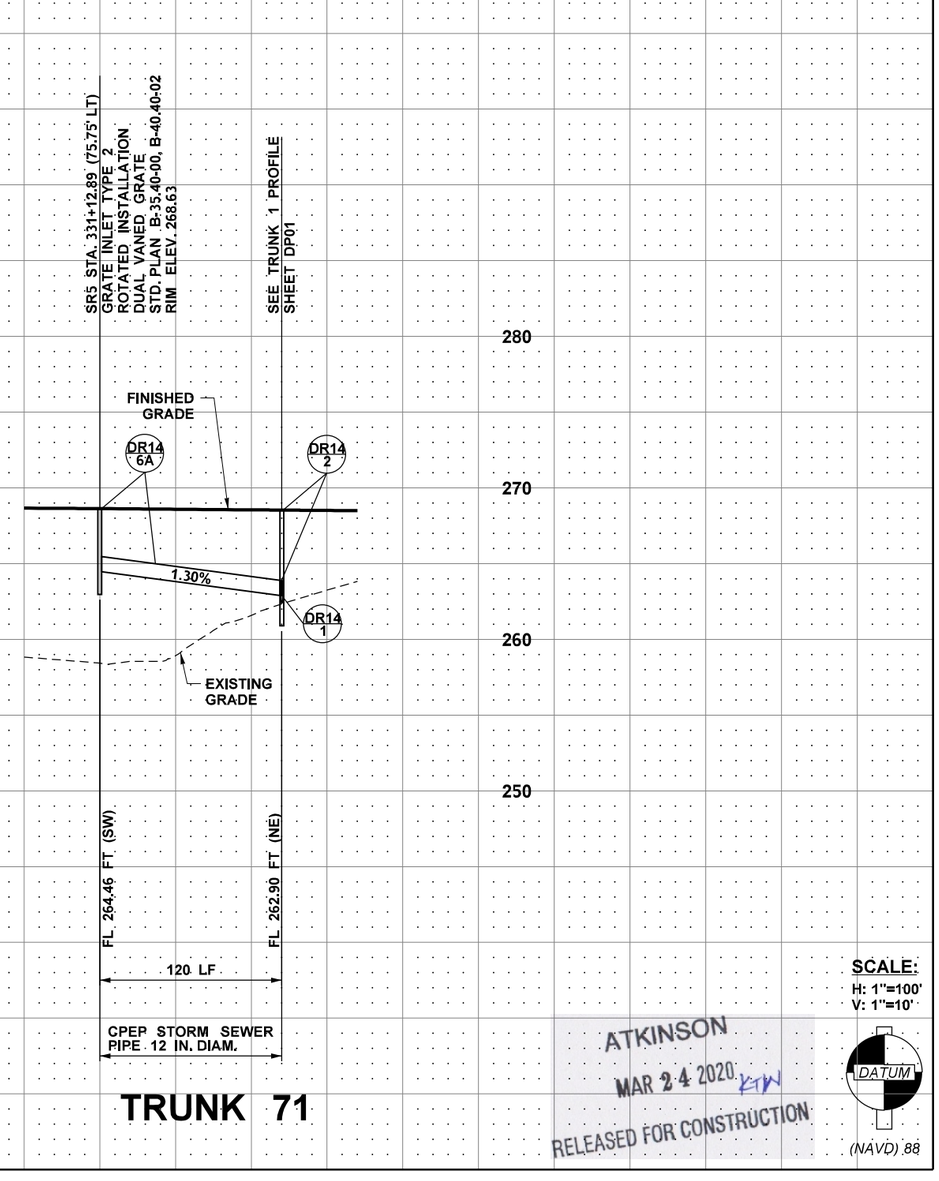
SHEET 340 OF 1456 SHEETS

AS-BUILT

NOTES:

1. STATION, OFFSET, AND RIM ELEVATION FOR STRUCTURES ARE CENTER OF STRUCTURE, UNLESS NOTED OTHERWISE.
2. ALL GRATES AND COVERS SHALL BE BOLTED DOWN WITH 304 STAINLESS STEEL 5/8"-11 NCx2 INCH ALLEN HEAD CAP SCREW UNLESS OTHERWISE NOTED.





SCALE:
H: 1"=100'
V: 1"=10'

(NAVD) 88

ATKINSON
MAR 24 2020
RELEASED FOR CONSTRUCTION

FILE NAME	c:\pwworking\jacobs_b&l\pw-zlgweljd\dms20633\PR_DP24.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	10:56:32 AM				10	WASH	
DATE	3/17/2020				JOB NUMBER		
PLOTTED BY	Jeff	REV 2 - RFI0429	03/20/20				
DESIGNED BY	J. ZIGWEID	REV 1 - RFI0222	10/21/19				
ENTERED BY	G. RIMANDO	REV 0 - RFC	08/14/19		CONTRACT NO.		LOCATION NO.
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	06/27/19		C9133		
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	03/15/19				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFERY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
3/23/20
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

DRAINAGE PROFILE

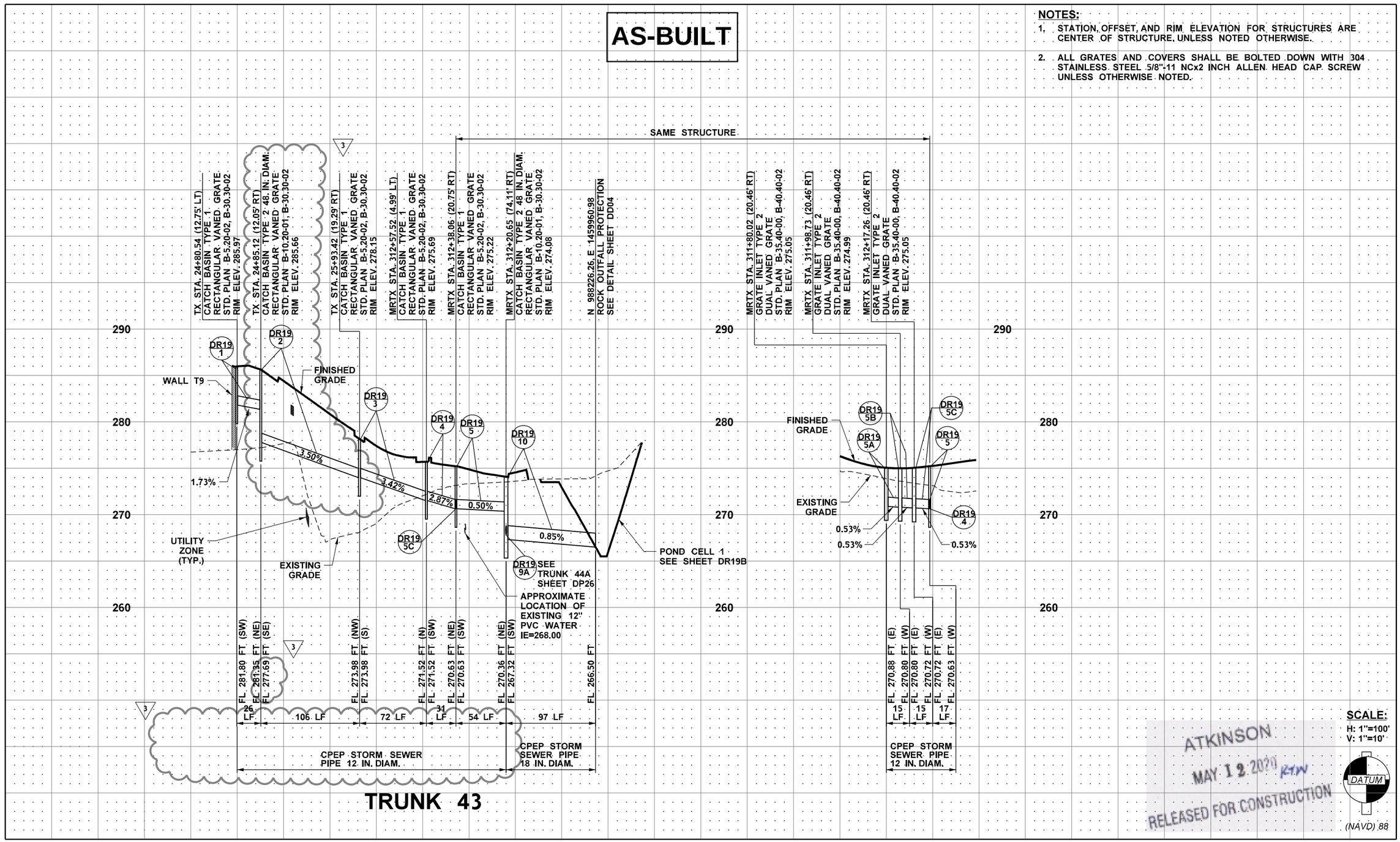
PLAN REF. NO. DP24

SHEET 341 OF 1456 SHEETS

AS-BUILT

NOTES:

1. STATION, OFFSET, AND RIM ELEVATION FOR STRUCTURES ARE CENTER OF STRUCTURE, UNLESS NOTED OTHERWISE.
2. ALL GRATES AND COVERS SHALL BE BOLTED DOWN WITH 304 STAINLESS STEEL 5/8"-11 NCx2 INCH ALLEN HEAD CAP SCREW UNLESS OTHERWISE NOTED.



TRUNK 43

SCALE:
H: 1"=100'
V: 1"=10'

(NAVD) 88

ATKINSON
MAY 12 2020
RELEASED FOR CONSTRUCTION

FILE NAME	c:\pwworking\jacobs_b&i\ex-mailloa\dms20633\PR_DP25.dgn						
TIME	9:59:49 AM						
DATE	5/4/2020	REV 3 - RFI0470	05/06/20				
PLOTTED BY	AndrewM	REV 2 - RFI0381	01/28/20				
DESIGNED BY	J. ZIGWEID	REV 1 - RFI0255	11/04/19				
ENTERED BY	G. RIMANDO	REV 0 - RFC	08/14/19				
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	07/08/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	03/15/19				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO.
JOB NUMBER
CONTRACT NO. C9133 | LOCATION NO.

JEFFERY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
5/12/20
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

DRAINAGE PROFILE

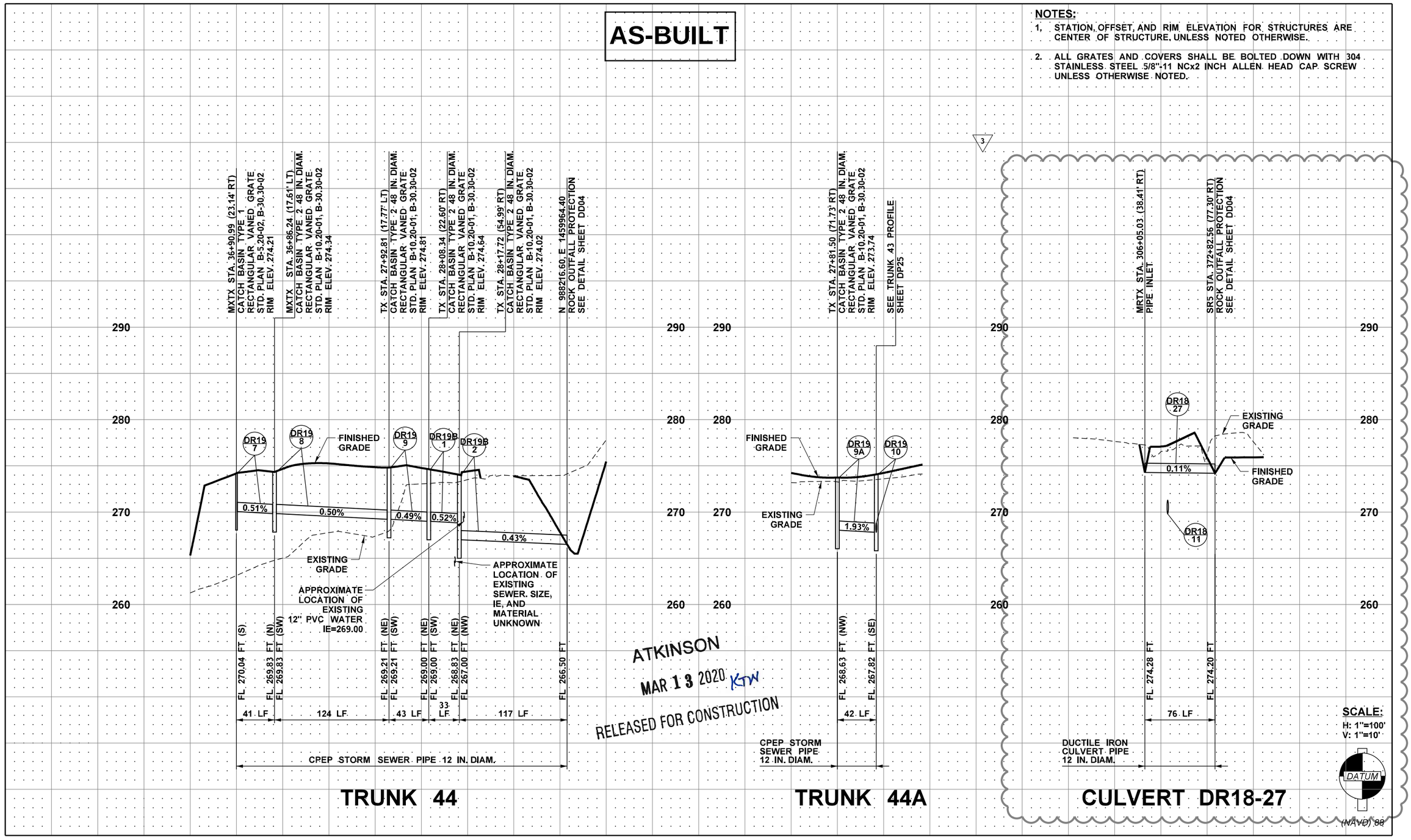
PLAN REF. NO. DP25

SHEET 342 OF 1456 SHEETS

AS-BUILT

NOTES:

1. STATION, OFFSET, AND RIM ELEVATION FOR STRUCTURES ARE CENTER OF STRUCTURE, UNLESS NOTED OTHERWISE.
2. ALL GRATES AND COVERS SHALL BE BOLTED DOWN WITH 304 STAINLESS STEEL 5/8"-11 NCx2 INCH ALLEN HEAD CAP SCREW UNLESS OTHERWISE NOTED.



TRUNK 44

TRUNK 44A

CULVERT DR18-27

FILE NAME	c:\pwworking\jacobs_b&i\pw-zlgweljd\dms20633\PR_DP26.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.	
TIME	3:13:36 PM				JOB NUMBER			
DATE	3/4/2020	REV 3 - RFI0411	2/28/20		CONTRACT NO. C9133		LOCATION NO.	
PLOTTED BY	JeffZ	REV 2 - RFI0367	1/22/20					
DESIGNED BY	J. ZIGWEID	REV 1 - RFI0255	11/04/19					
ENTERED BY	G. RIMANDO	REV 0 - RFC	08/14/19					
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	06/28/19					
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	03/15/19					
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY				

JEFFERY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
3/12/20
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

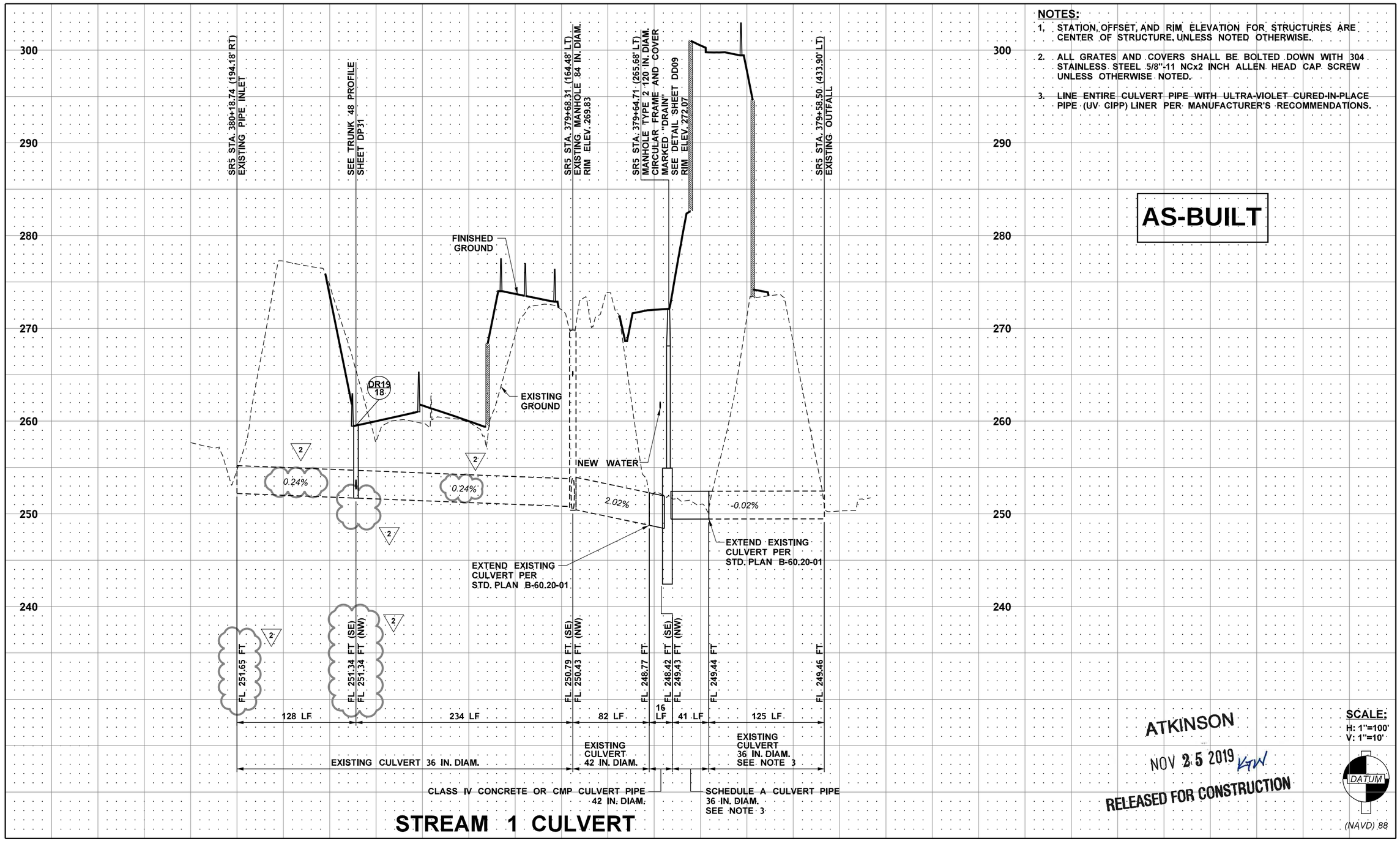
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

DRAINAGE PROFILE

PLAN REF. NO. DP26

SHEET 343 OF 1456 SHEETS



STREAM 1 CULVERT

NOTES:

1. STATION, OFFSET, AND RIM ELEVATION FOR STRUCTURES ARE CENTER OF STRUCTURE, UNLESS NOTED OTHERWISE.
2. ALL GRATES AND COVERS SHALL BE BOLTED DOWN WITH 304 STAINLESS STEEL 5/8"-11 NCx2 INCH ALLEN HEAD CAP SCREW UNLESS OTHERWISE NOTED.
3. LINE ENTIRE CULVERT PIPE WITH ULTRA-VIOLET CURED-IN-PLACE PIPE (UV CIPP) LINER PER MANUFACTURER'S RECOMMENDATIONS.

AS-BUILT

ATKINSON
NOV 25 2019
RELEASED FOR CONSTRUCTION

SCALE:
H: 1"=100'
V: 1"=10'

DATUM
(NAVD) 88

FILE NAME	c:\pwworking\jacobs_b&i\pw-zigweijd\dms20633\PR_DP27.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	9:03:54 AM				10	WASH	
DATE	11/22/2019				JOB NUMBER		
PLOTTED BY	JeffZ	REV 2 - RFI0284	11/22/19				
DESIGNED BY	J. ZIGWEID	REV 1 - RFI0286	10/28/19				
ENTERED BY	G. RIMANDO	REV 0 - RFC	06/14/19				
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	06/13/19		CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	04/29/19		C9133		
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

STATE OF WASHINGTON — CHERYL D. ZIGWEID — 21141 — REGISTERED PROFESSIONAL ENGINEER
11/22/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

DRAINAGE PROFILE

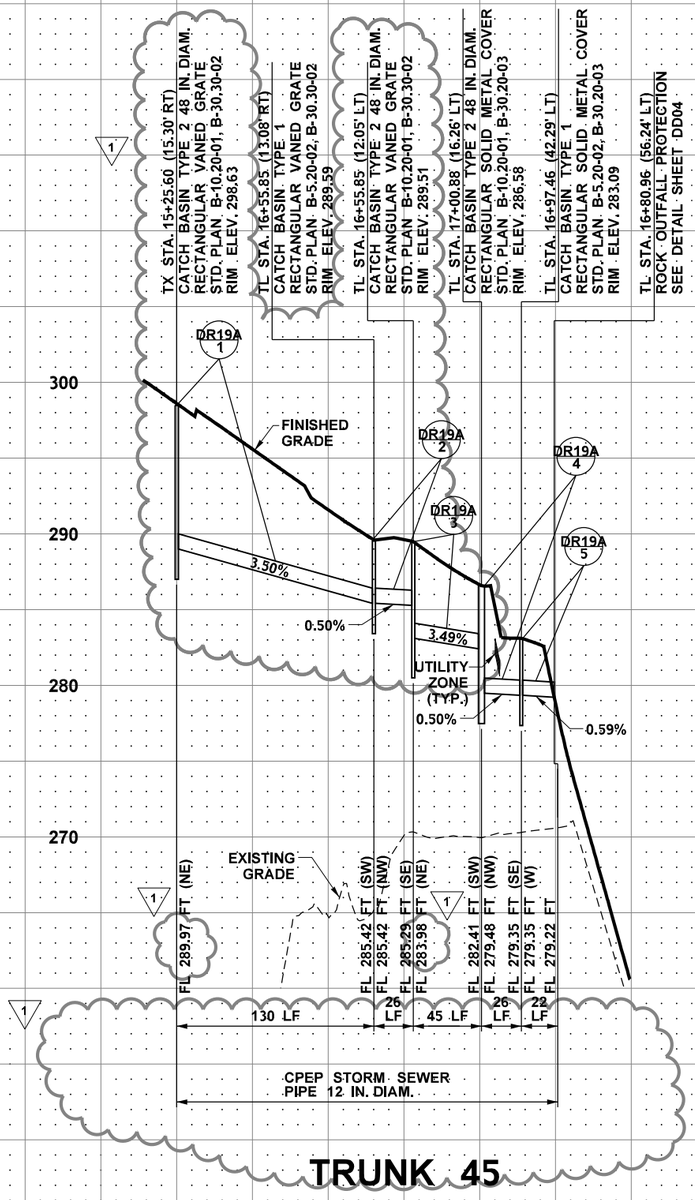
PLAN REF. NO. DP27

SHEET 344 OF 1456 SHEETS

AS-BUILT

NOTES:

1. STATION, OFFSET, AND RIM ELEVATION FOR STRUCTURES ARE CENTER OF STRUCTURE, UNLESS NOTED OTHERWISE.
2. ALL GRATES AND COVERS SHALL BE BOLTED DOWN WITH 304 STAINLESS STEEL 5/8"-11 NCx2 INCH ALLEN HEAD CAP SCREW UNLESS OTHERWISE NOTED.



SCALE:
H: 1"=100'
V: 1"=10'

DATUM
(NAVD) 88

ATKINSON
MAY 12 2020
RELEASED FOR CONSTRUCTION

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TIME	10:35:18 AM				10	WASH	
DATE	5/4/2020				JOB NUMBER		
PLOTTED BY	AndrewM						
DESIGNED BY	J. ZIGWEID	REV 1 - RFI0470	05/06/20		CONTRACT NO.		LOCATION NO.
ENTERED BY	G. RIMANDO	REV 0 - RFC	08/14/19		C9133		
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	06/26/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	05/09/19				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 31141 — REGISTERED PROFESSIONAL ENGINEER
5/12/20
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

DRAINAGE PROFILE

PLAN REF. NO. DP28

SHEET 345 OF 1456 SHEETS

AS-BUILT

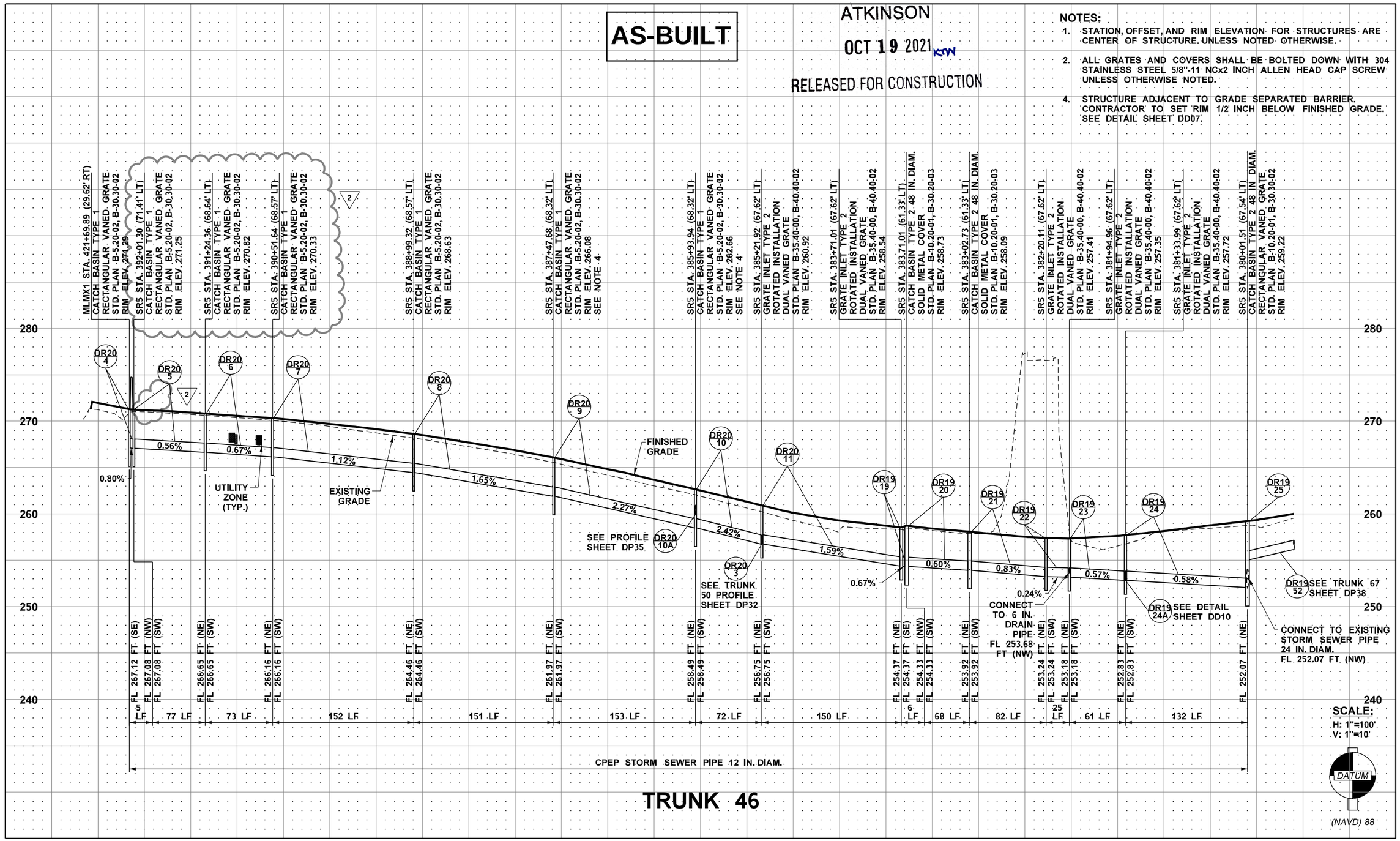
ATKINSON

OCT 19 2021 KSW

RELEASED FOR CONSTRUCTION

NOTES:

1. STATION, OFFSET, AND RIM ELEVATION FOR STRUCTURES ARE CENTER OF STRUCTURE UNLESS NOTED OTHERWISE.
2. ALL GRATES AND COVERS SHALL BE BOLTED DOWN WITH 304 STAINLESS STEEL 5/8"-11 NCx2 INCH ALLEN HEAD CAP SCREW UNLESS OTHERWISE NOTED.
4. STRUCTURE ADJACENT TO GRADE SEPARATED BARRIER. CONTRACTOR TO SET RIM 1/2 INCH BELOW FINISHED GRADE. SEE DETAIL SHEET DD07.



TRUNK 46

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TIME	10:37:32 AM				10	WASH	
DATE	10/11/2021				JOB NUMBER		
PLOTTED BY	TiffanyH	REV 2 - RFI0659	10/11/21				
DESIGNED BY	J. ZIGWEID	REV 1 - RFI0439	03/27/20		CONTRACT NO.	LOCATION NO.	
ENTERED BY	G. RIMANDO	REV 0 - RFC	08/14/19		C9133		
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	06/28/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	05/09/19				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID, STATE OF WASHINGTON, 21141, REGISTERED PROFESSIONAL ENGINEER
10/13/21
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

DRAINAGE PROFILE

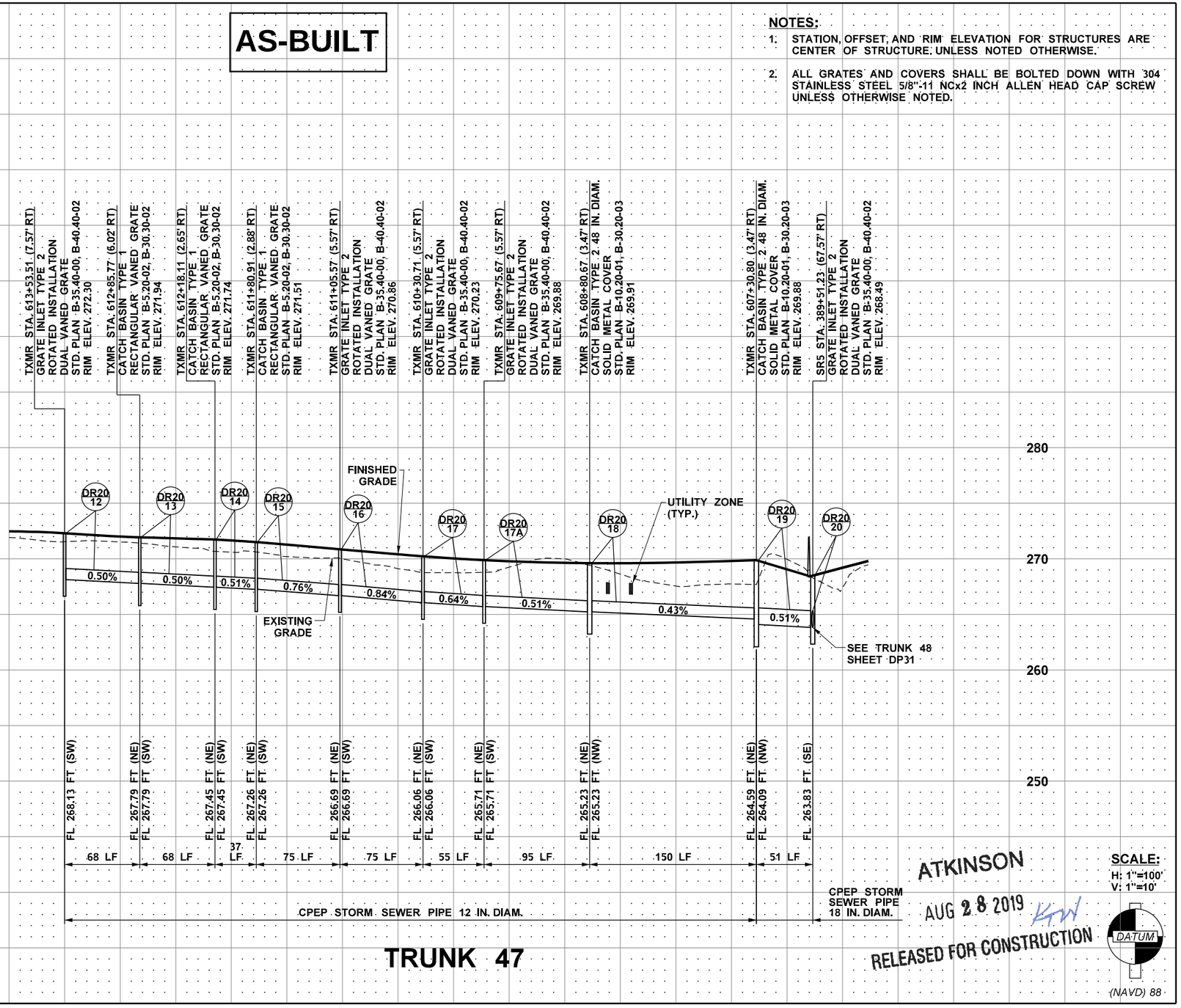
PLAN REF. NO. DP29

SHEET 346 OF 1456 SHEETS

AS-BUILT

NOTES:

1. STATION, OFFSET, AND RIM ELEVATION FOR STRUCTURES ARE CENTER OF STRUCTURE, UNLESS NOTED OTHERWISE.
2. ALL GRATES AND COVERS SHALL BE BOLTED DOWN WITH 304 STAINLESS STEEL 5/8"-11 NCx2 INCH ALLEN HEAD CAP SCREW UNLESS OTHERWISE NOTED.



TRUNK 47

ATKINSON
AUG 28 2019
RELEASED FOR CONSTRUCTION

SCALE:
H: 1"=100'
V: 1"=10'

DATUM
(NAVD) 88

FILE NAME	c:\pwworking\jacobs_b&i\pw-zigweijd\dms20633\PR_DP30.dgn						
TIME	12:46:09 PM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	8/10/2019				JOB NUMBER		
PLOTTED BY	JeffZ						
DESIGNED BY	J. ZIGWEID						
ENTERED BY	G. RIMANDO	REV 0 - RFC	08/14/19		CONTRACT NO. C9133		LOCATION NO.
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	07/03/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	05/09/19				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 21141 — REGISTERED PROFESSIONAL ENGINEER
8/28/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

DRAINAGE PROFILE

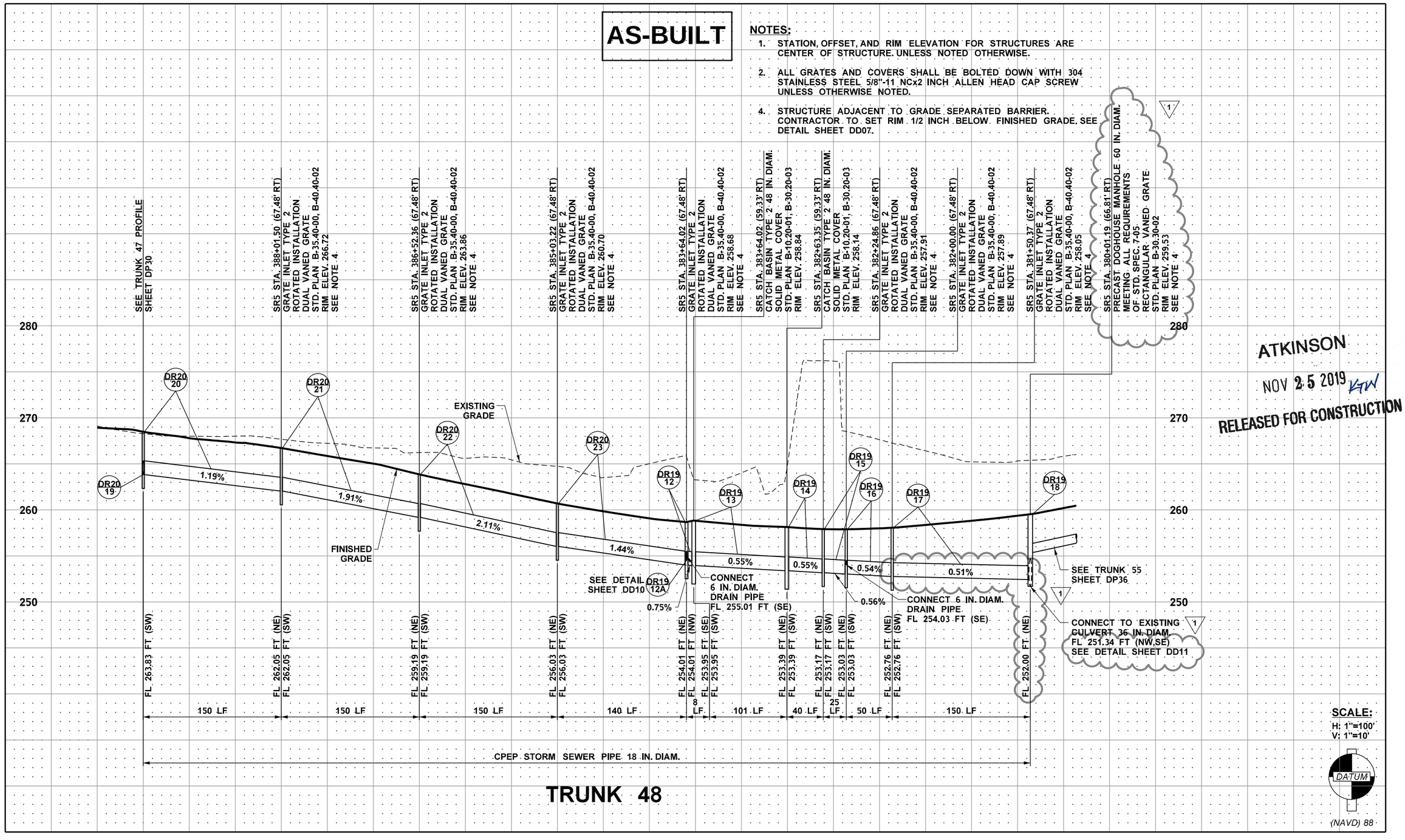
PLAN REF. NO. DP30

SHEET 347 OF 1456 SHEETS

AS-BUILT

NOTES:

1. STATION, OFFSET, AND RIM ELEVATION FOR STRUCTURES ARE CENTER OF STRUCTURE. UNLESS NOTED OTHERWISE.
2. ALL GRATES AND COVERS SHALL BE BOLTED DOWN WITH 304 STAINLESS STEEL 5/8"-11 NCx2 INCH ALLEN HEAD CAP SCREW UNLESS OTHERWISE NOTED.
4. STRUCTURE ADJACENT TO GRADE SEPARATED BARRIER. CONTRACTOR TO SET RIM 1/2 INCH BELOW FINISHED GRADE. SEE DETAIL SHEET DD07.



TRUNK 48

ATKINSON
NOV 25 2019 KW
RELEASED FOR CONSTRUCTION

FILE NAME	c:\pwworking\jacobs_b&i\pw-zigweijd\dms20633\PR_DP31.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	8:46:00 AM						
DATE	11/21/2019				JOB NUMBER		
PLOTTED BY	JeffZ						
DESIGNED BY	J. ZIGWEID	REV 1 - RFI0284	11/21/19		CONTRACT NO. C9133		LOCATION NO.
ENTERED BY	A. MAILLOUX	REV 0 - RFC	08/14/19				
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	07/03/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	05/09/19				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 21141 — REGISTERED PROFESSIONAL ENGINEER
11/22/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

DRAINAGE PROFILE

PLAN REF. NO. DP31

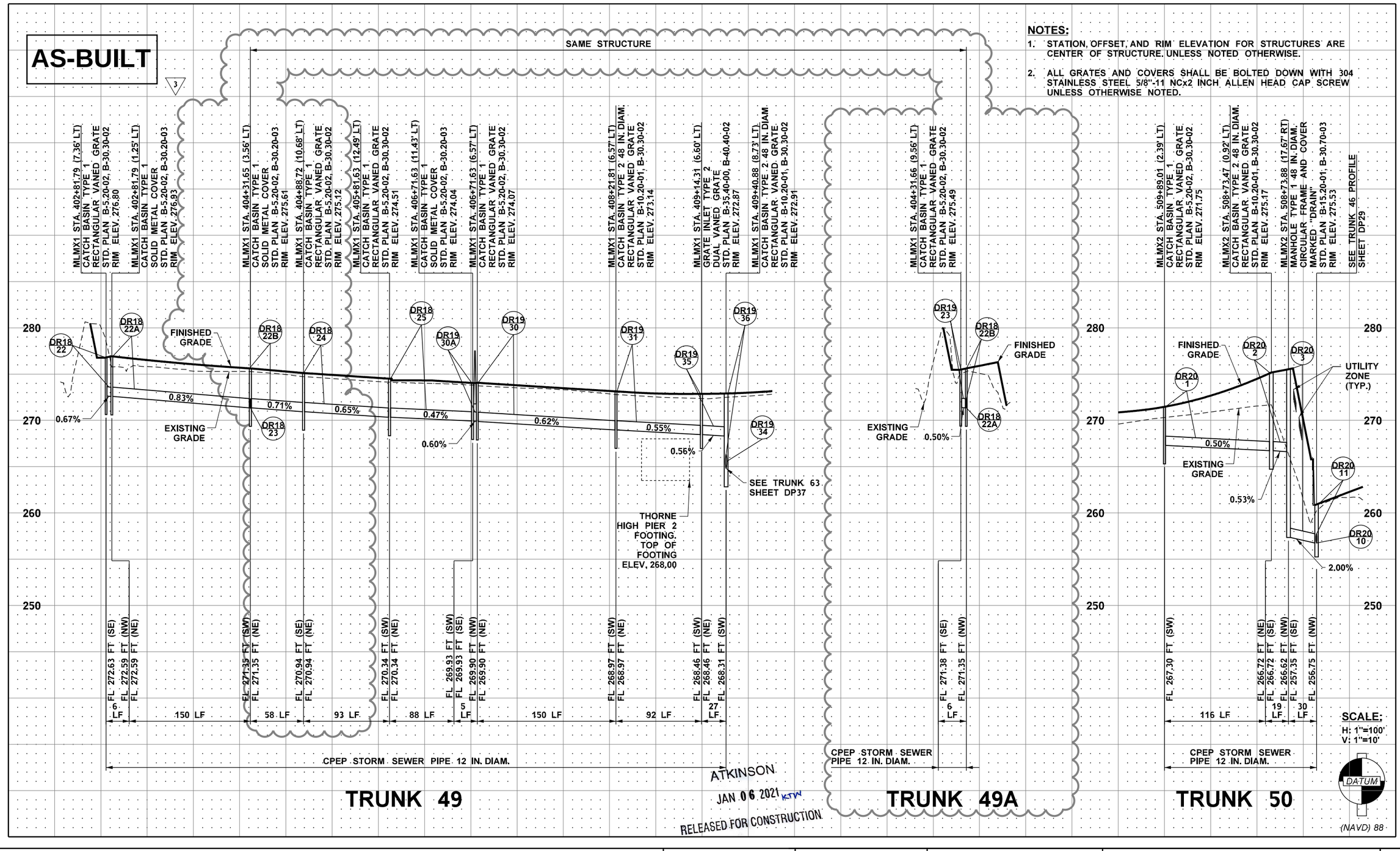
SHEET 348 OF 1456 SHEETS

AS-BUILT

3

NOTES:

1. STATION, OFFSET, AND RIM ELEVATION FOR STRUCTURES ARE CENTER OF STRUCTURE. UNLESS NOTED OTHERWISE.
2. ALL GRATES AND COVERS SHALL BE BOLTED DOWN WITH 304 STAINLESS STEEL 5/8"-11 NCx2 INCH ALLEN HEAD CAP SCREW UNLESS OTHERWISE NOTED.



ATKINSON
JAN 06 2021 KTW
RELEASED FOR CONSTRUCTION

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TIME	3:14:24 PM				10	WASH	
DATE	1/5/2021	REV 3 - RFI0599	1/05/21		JOB NUMBER		
PLOTTED BY	jeffz	REV 2 - RFI0579	11/13/20				
DESIGNED BY	J. ZIGWEID	REV 1 - RFI0429	03/20/20		CONTRACT NO.	LOCATION NO.	
ENTERED BY	A. MAILLOUX	REV 0 - RFC	08/14/19		C9133		
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	07/03/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	05/09/19				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
1/06/21
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

DRAINAGE PROFILE

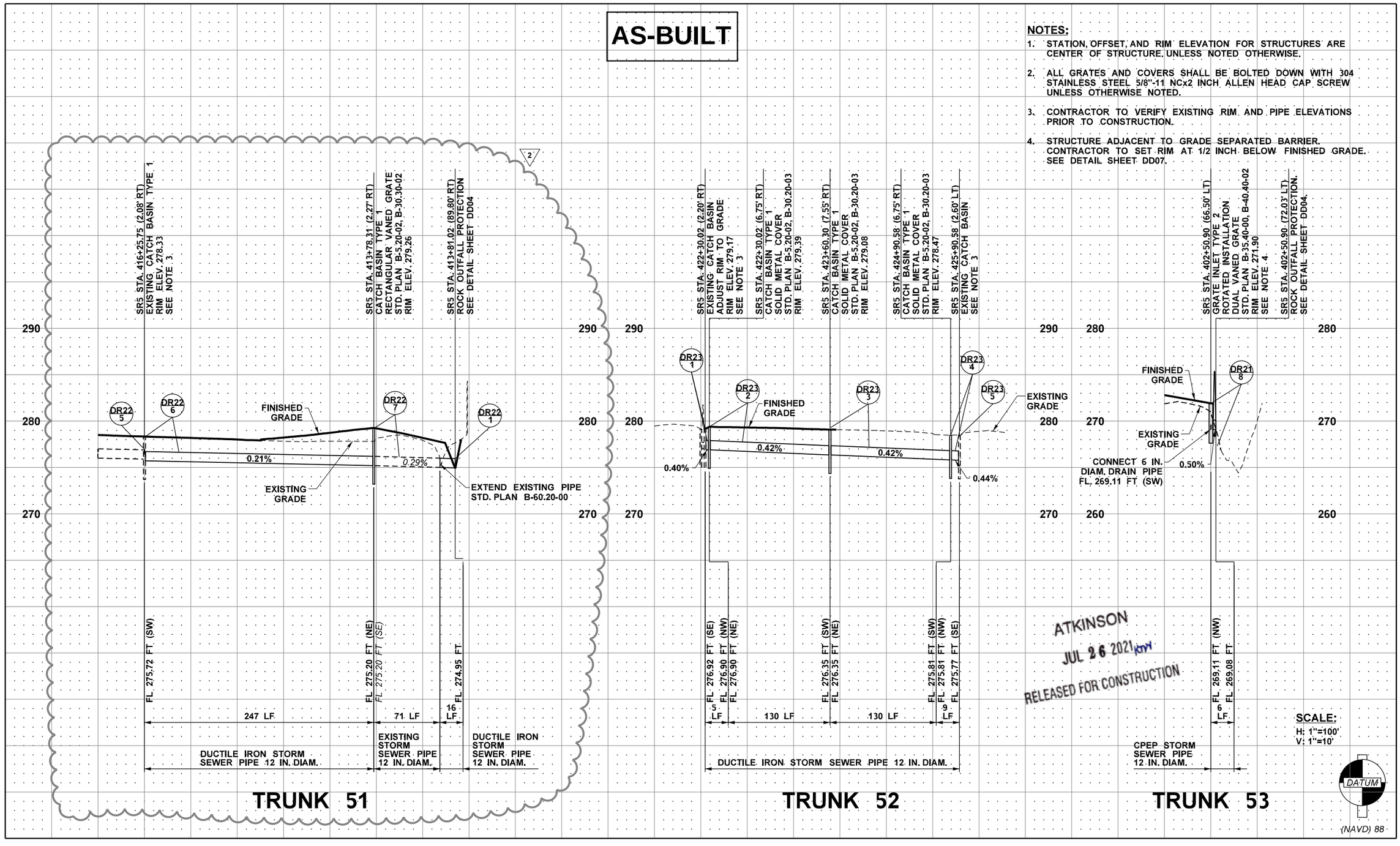
PLAN REF. NO. DP32

SHEET 349 OF 1456 SHEETS

AS-BUILT

NOTES:

1. STATION, OFFSET, AND RIM ELEVATION FOR STRUCTURES ARE CENTER OF STRUCTURE, UNLESS NOTED OTHERWISE.
2. ALL GRATES AND COVERS SHALL BE BOLTED DOWN WITH 304 STAINLESS STEEL 5/8"-11 NCx2 INCH ALLEN HEAD CAP SCREW UNLESS OTHERWISE NOTED.
3. CONTRACTOR TO VERIFY EXISTING RIM AND PIPE ELEVATIONS PRIOR TO CONSTRUCTION.
4. STRUCTURE ADJACENT TO GRADE SEPARATED BARRIER. CONTRACTOR TO SET RIM AT 1/2 INCH BELOW FINISHED GRADE. SEE DETAIL SHEET DD07.



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TIME	11:34:04 AM				JOB NUMBER		
DATE	6/24/2021				CONTRACT NO. C9133		LOCATION NO.
PLOTTED BY	JeffZ	REV 2 - RFI0642	6/25/21				
DESIGNED BY	J. ZIGWEID	REV 1 - RFI0270	10/28/19				
ENTERED BY	A. MAILLOUX	REV 0 - RFC	08/14/19				
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	07/03/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	05/09/19				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFERY D. ZIGWEID — STATE OF WASHINGTON — 21141 — REGISTERED PROFESSIONAL ENGINEER
7/23/21
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

DRAINAGE PROFILE

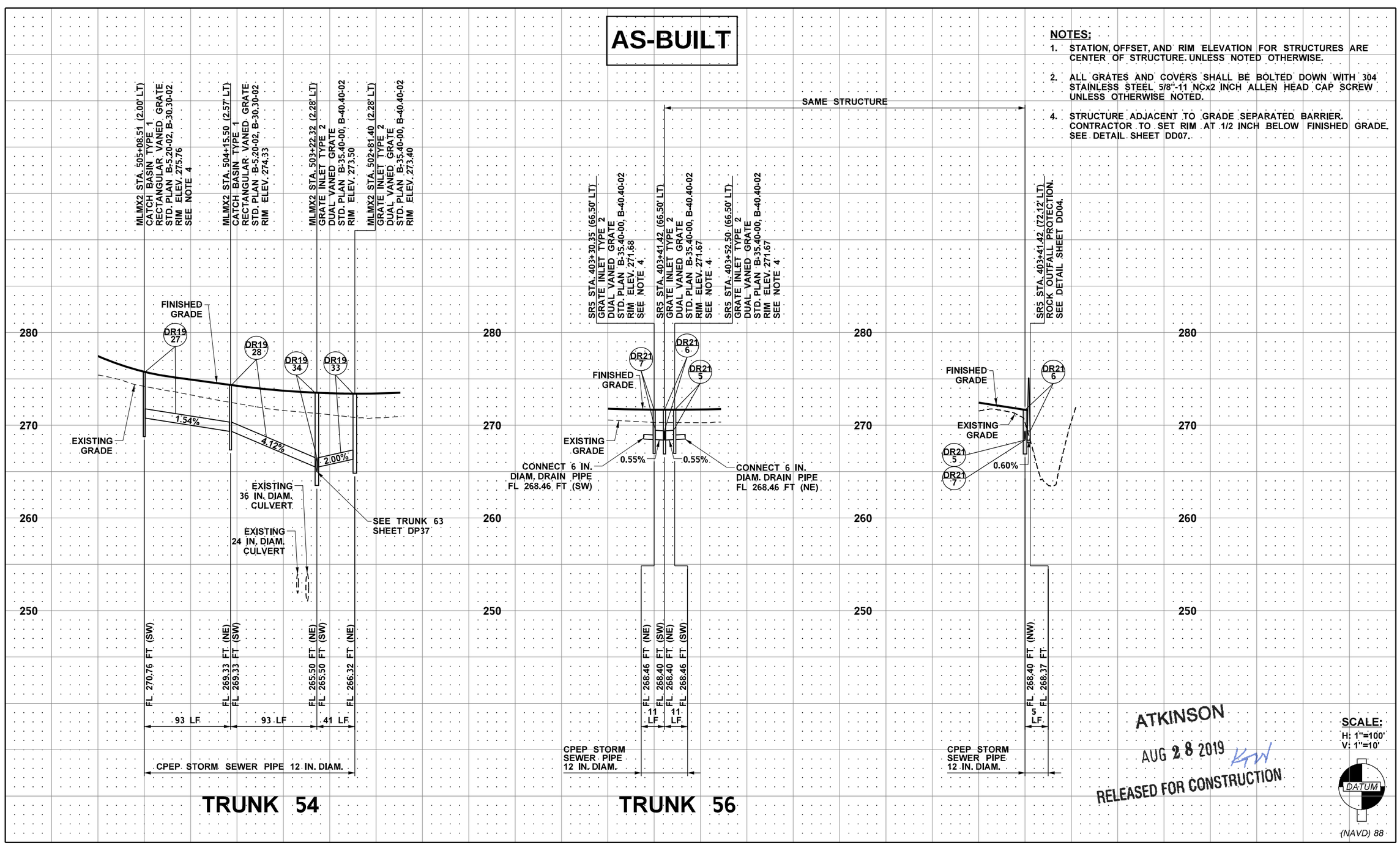
PLAN REF. NO. DP33

SHEET 350 OF 1456 SHEETS

AS-BUILT

NOTES:

1. STATION, OFFSET, AND RIM ELEVATION FOR STRUCTURES ARE CENTER OF STRUCTURE. UNLESS NOTED OTHERWISE.
2. ALL GRATES AND COVERS SHALL BE BOLTED DOWN WITH 304 STAINLESS STEEL 5/8"-11 NCx2 INCH ALLEN HEAD CAP SCREW UNLESS OTHERWISE NOTED.
4. STRUCTURE ADJACENT TO GRADE SEPARATED BARRIER. CONTRACTOR TO SET RIM AT 1/2 INCH BELOW FINISHED GRADE. SEE DETAIL SHEET DD07.



ATKINSON
AUG 28 2019
RELEASED FOR CONSTRUCTION

SCALE:
H: 1"=100'
V: 1"=10'

DATUM
(NAVD) 88

FILE NAME	c:\pwworking\jacobs_b&i\ex-mailloa\dms20633\PR_DP34.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	6:37:49 PM				JOB NUMBER		
DATE	8/8/2019						
PLOTTED BY	AndrewM						
DESIGNED BY	J. ZIGWEID						
ENTERED BY	A. MAILLOUX	REV 0 - RFC	08/14/19		CONTRACT NO. C9133		LOCATION NO.
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	07/01/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	05/09/19				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
8/28/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

DRAINAGE PROFILE

PLAN REF. NO. DP34

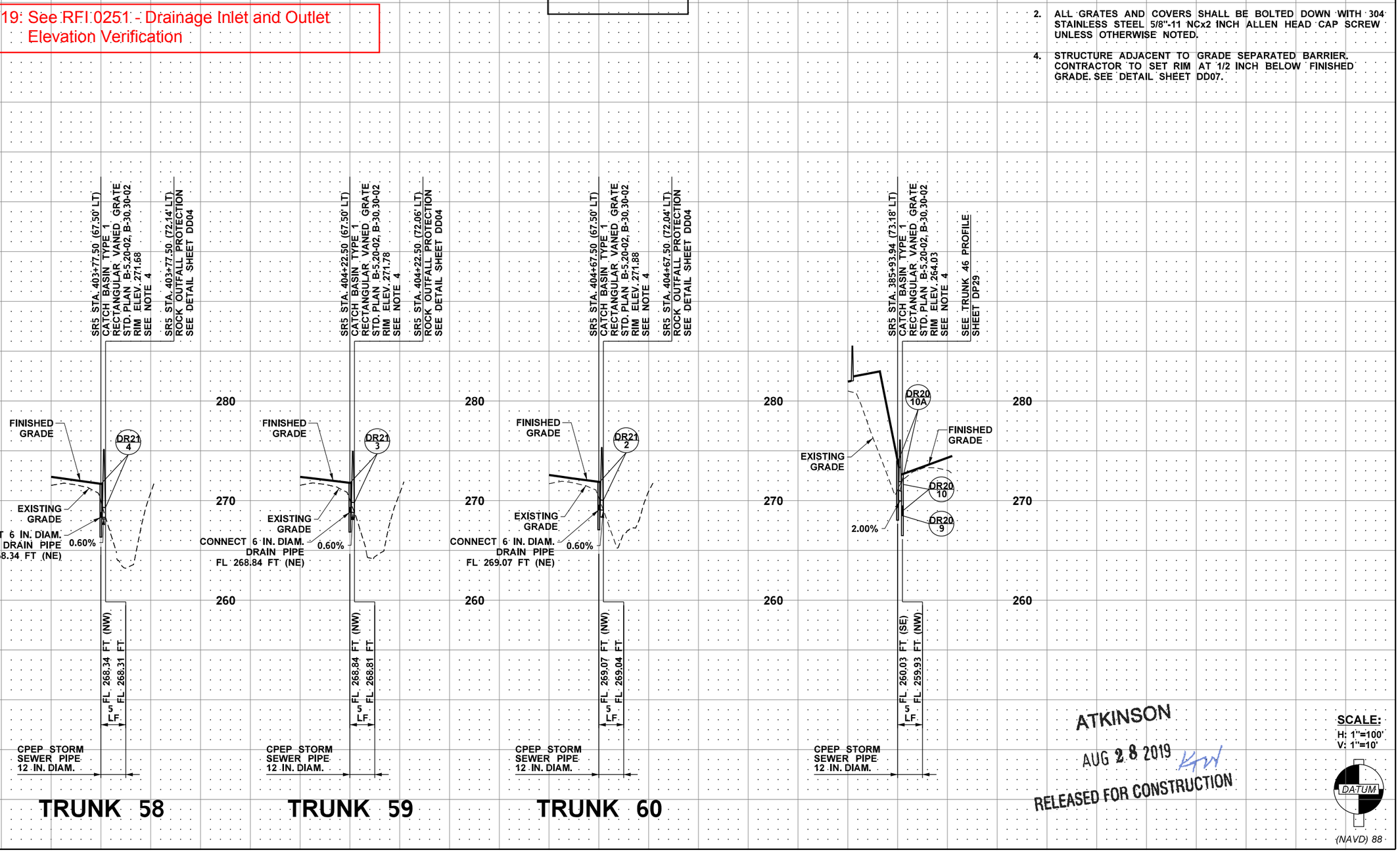
SHEET 351 OF 1456 SHEETS

AS-BUILT

10/09/19: See RFI 0251 - Drainage Inlet and Outlet Elevation Verification

NOTES:

1. STATION, OFFSET, AND RIM ELEVATION FOR STRUCTURES ARE CENTER OF STRUCTURE. UNLESS NOTED OTHERWISE.
2. ALL GRATES AND COVERS SHALL BE BOLTED DOWN WITH 304 STAINLESS STEEL 5/8"-11 NCx2 INCH ALLEN HEAD CAP SCREW UNLESS OTHERWISE NOTED.
4. STRUCTURE ADJACENT TO GRADE SEPARATED BARRIER. CONTRACTOR TO SET RIM AT 1/2 INCH BELOW FINISHED GRADE. SEE DETAIL SHEET DD07.



ATKINSON

AUG 28 2019

RELEASED FOR CONSTRUCTION

SCALE:
H: 1"=100'
V: 1"=10'

DATUM
(NAVD) 88

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TIME	6:39:26 PM				JOB NUMBER		
DATE	8/8/2019						
PLOTTED BY	AndrewM						
DESIGNED BY	J. ZIGWEID						
ENTERED BY	A. MAILLOUX	REV 0 - RFC	08/14/19		CONTRACT NO. C9133		LOCATION NO.
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	07/01/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	05/09/19				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. CLEVELAND — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
8/28/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

DRAINAGE PROFILE

PLAN REF. NO. DP35

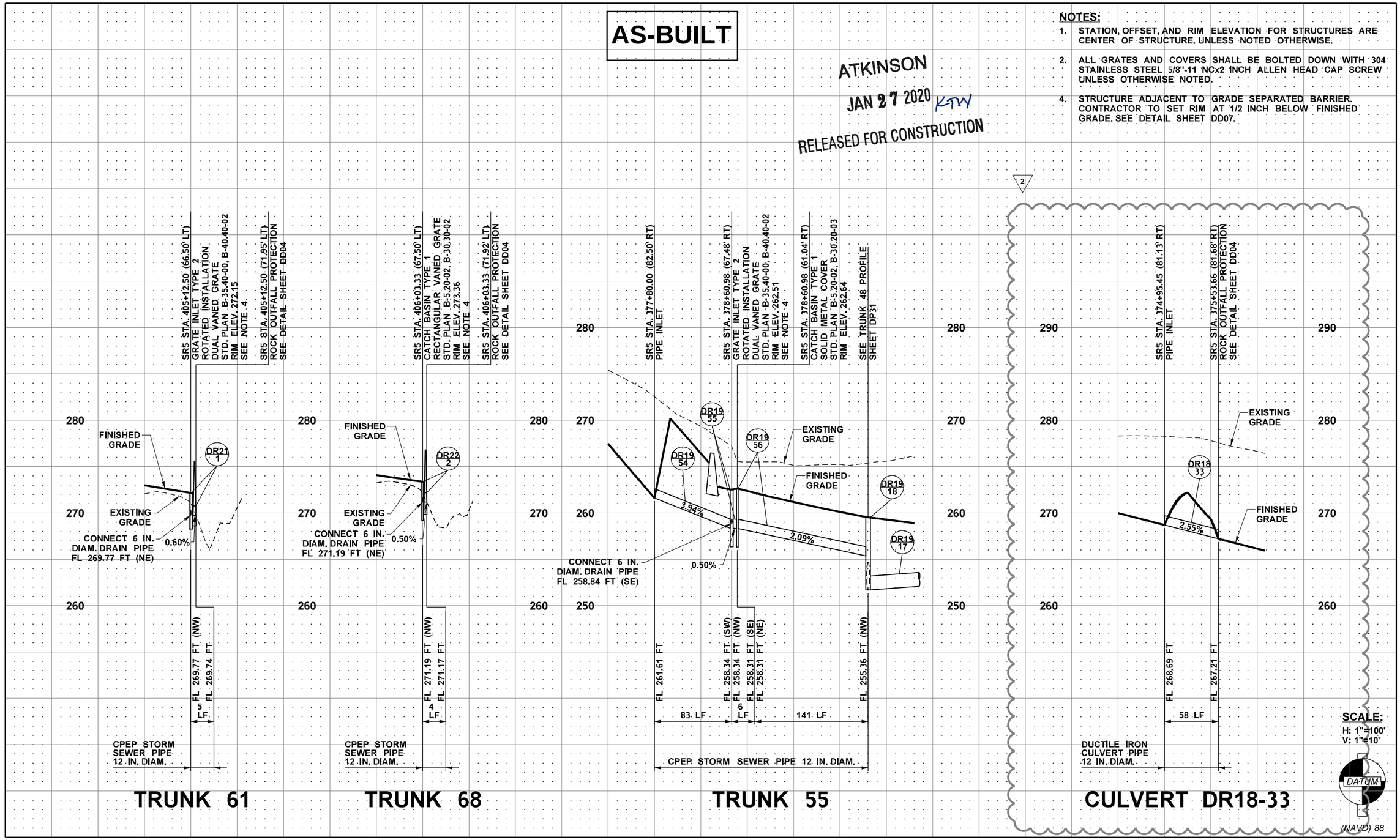
SHEET 352 OF 1456 SHEETS

AS-BUILT

ATKINSON
JAN 27 2020 KTW
RELEASED FOR CONSTRUCTION

NOTES:

1. STATION, OFFSET, AND RIM ELEVATION FOR STRUCTURES ARE CENTER OF STRUCTURE. UNLESS NOTED OTHERWISE.
2. ALL GRATES AND COVERS SHALL BE BOLTED DOWN WITH 304 STAINLESS STEEL 5/8"-11 NCx2 INCH ALLEN HEAD CAP SCREW UNLESS OTHERWISE NOTED.
4. STRUCTURE ADJACENT TO GRADE SEPARATED BARRIER. CONTRACTOR TO SET RIM AT 1/2 INCH BELOW FINISHED GRADE. SEE DETAIL SHEET DD07.



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TIME	9:37:47 AM				10	WASH	
DATE	1/22/2020				JOB NUMBER		
PLOTTED BY	JeffZ	REV 2 - RFI0367	1/22/20				
DESIGNED BY	J. ZIGWEID	REV 1 - RFI0284	11/21/19		CONTRACT NO.		LOCATION NO.
ENTERED BY	A. MAILLOUX	REV 0 - RFC	08/14/19		C9133		
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	07/01/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	05/09/19				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
1/22/20
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

DRAINAGE PROFILE

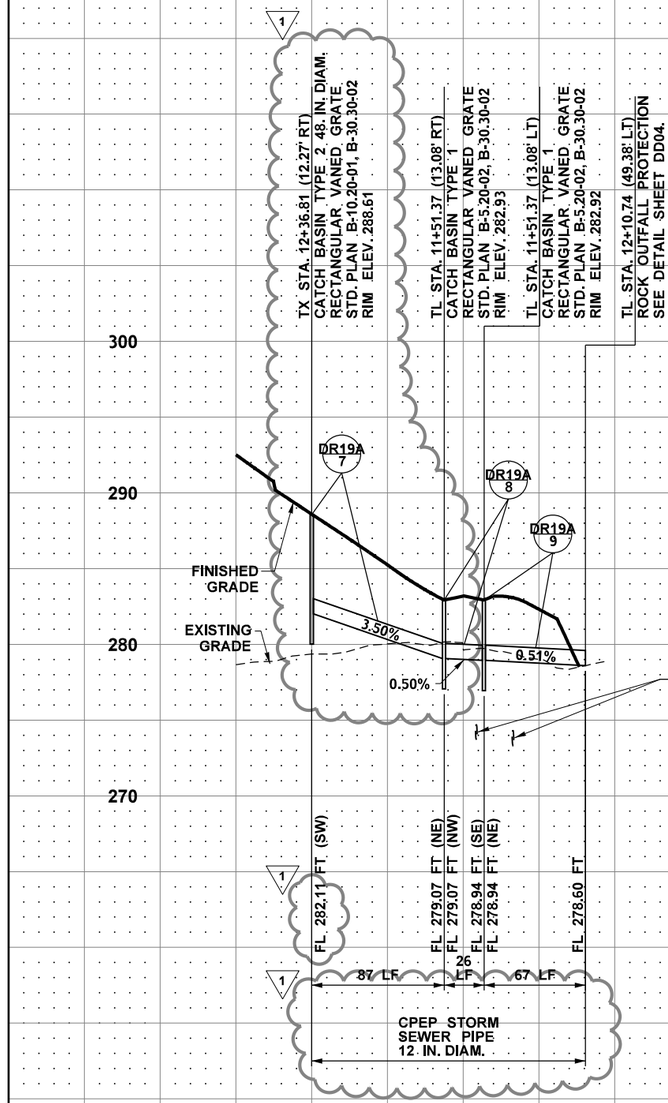
PLAN REF. NO. DP36

SHEET 353 OF 1456 SHEETS

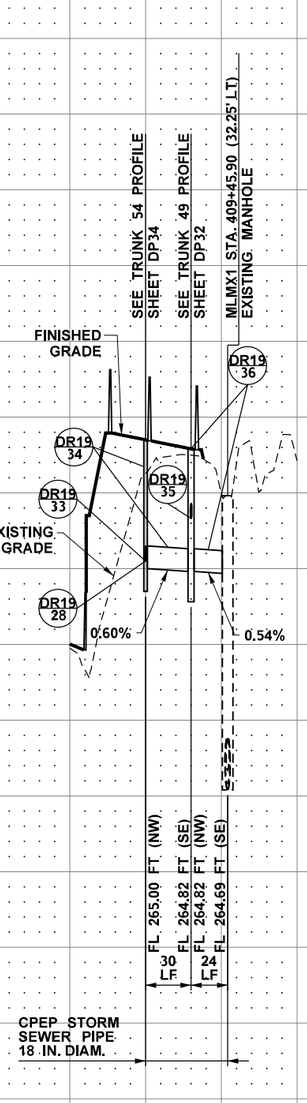
AS-BUILT

NOTES:

1. STATION, OFFSET, AND RIM ELEVATION FOR STRUCTURES ARE CENTER OF STRUCTURE. UNLESS NOTED OTHERWISE.
2. ALL GRATES AND COVERS SHALL BE BOLTED DOWN WITH 304 STAINLESS STEEL 5/8"-11 NCx2 INCH ALLEN HEAD CAP SCREW UNLESS OTHERWISE NOTED.



TRUNK 62



TRUNK 63

SCALE:
H: 1"=100'
V: 1"=10'

DATUM
(NAVD) 88

ATKINSON
MAY 12 2020
RELEASED FOR CONSTRUCTION

FILE NAME	c:\pwworking\jacobs_b&l\ex-mailloa\dms20633\PR_DP37.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	10:40:53 AM						
DATE	5/4/2020						
PLOTTED BY	AndrewM						
DESIGNED BY	J. ZIGWEID	REV 1 - RFI0470	05/06/20		JOB NUMBER		
ENTERED BY	A. MAILLOUX	REV 0 - RFC	08/14/19				
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	06/26/19		CONTRACT NO. C9133		LOCATION NO.
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	05/09/19				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFERY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
5/12/20
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

DRAINAGE PROFILE

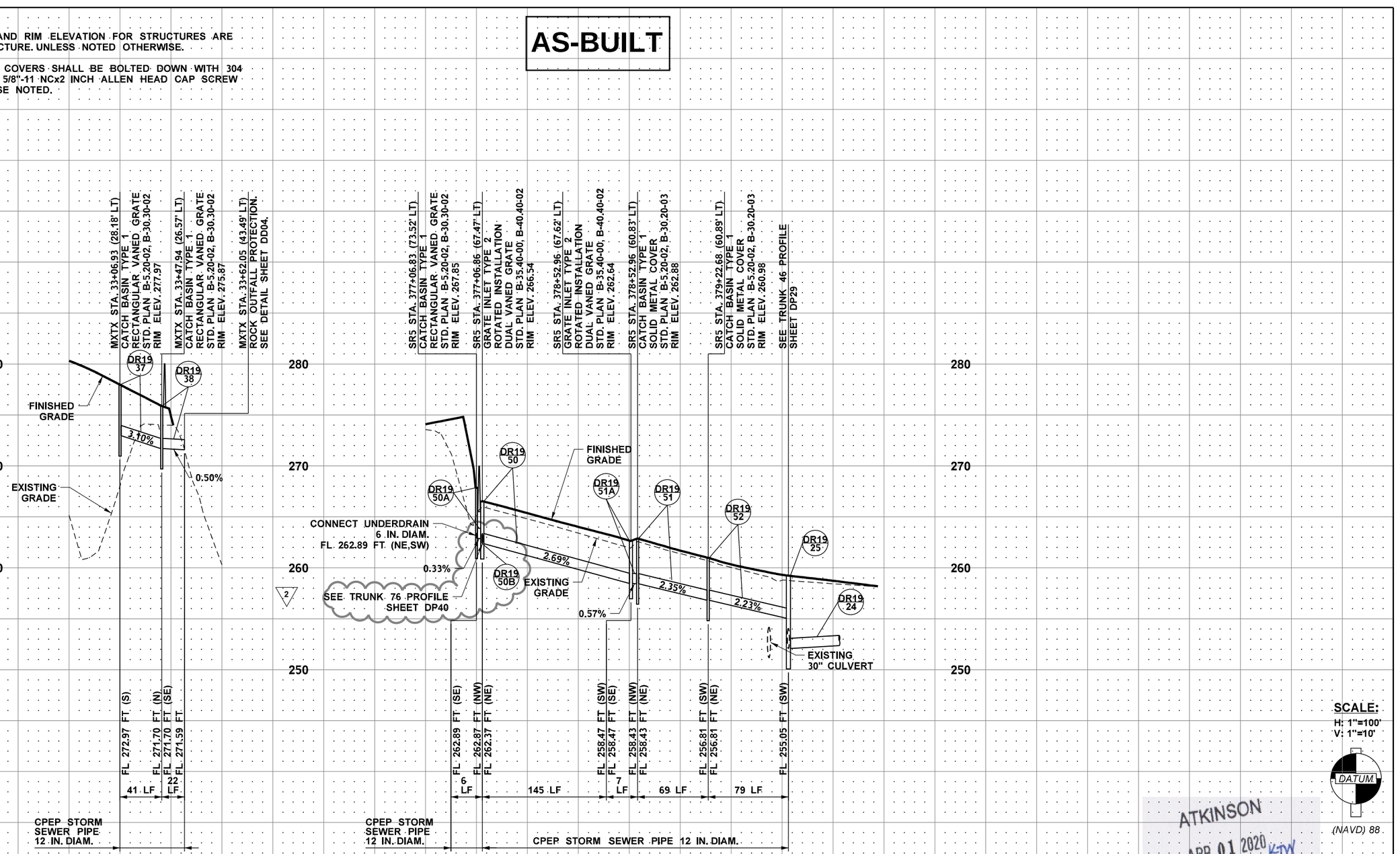
PLAN REF. NO. DP37

SHEET 354 OF 1456 SHEETS

NOTES:

1. STATION, OFFSET, AND RIM ELEVATION FOR STRUCTURES ARE CENTER OF STRUCTURE. UNLESS NOTED OTHERWISE.
2. ALL GRATES AND COVERS SHALL BE BOLTED DOWN WITH 304 STAINLESS STEEL 5/8"-11 NCx2 INCH ALLEN HEAD CAP SCREW UNLESS OTHERWISE NOTED.

AS-BUILT



SCALE:
H: 1"=100'
V: 1"=10'

DATUM
(NAVD) 88

ATKINSON
APR 01 2020 K-TW
RELEASED FOR CONSTRUCTION

FILE NAME	c:\pwworking\jacobs_b&l\pw-zlgweljd\dms20633\PR_DP38.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	10:51:36 AM				10	WASH	
DATE	4/1/2020				JOB NUMBER		
PLOTTED BY	JeffZ	REV 2 - RFI0439	03/27/20				
DESIGNED BY	J. ZIGWEID	REV 1 - RFI0426	03/20/20		CONTRACT NO.		LOCATION NO.
ENTERED BY	A. MAILLOUX	REV 0 - RFC	08/14/19		C9133		
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	07/03/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	05/09/19				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFERY D. ZIGWEID — STATE OF WASHINGTON — 21141 — REGISTERED PROFESSIONAL ENGINEER
4/1/20
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

DRAINAGE PROFILE

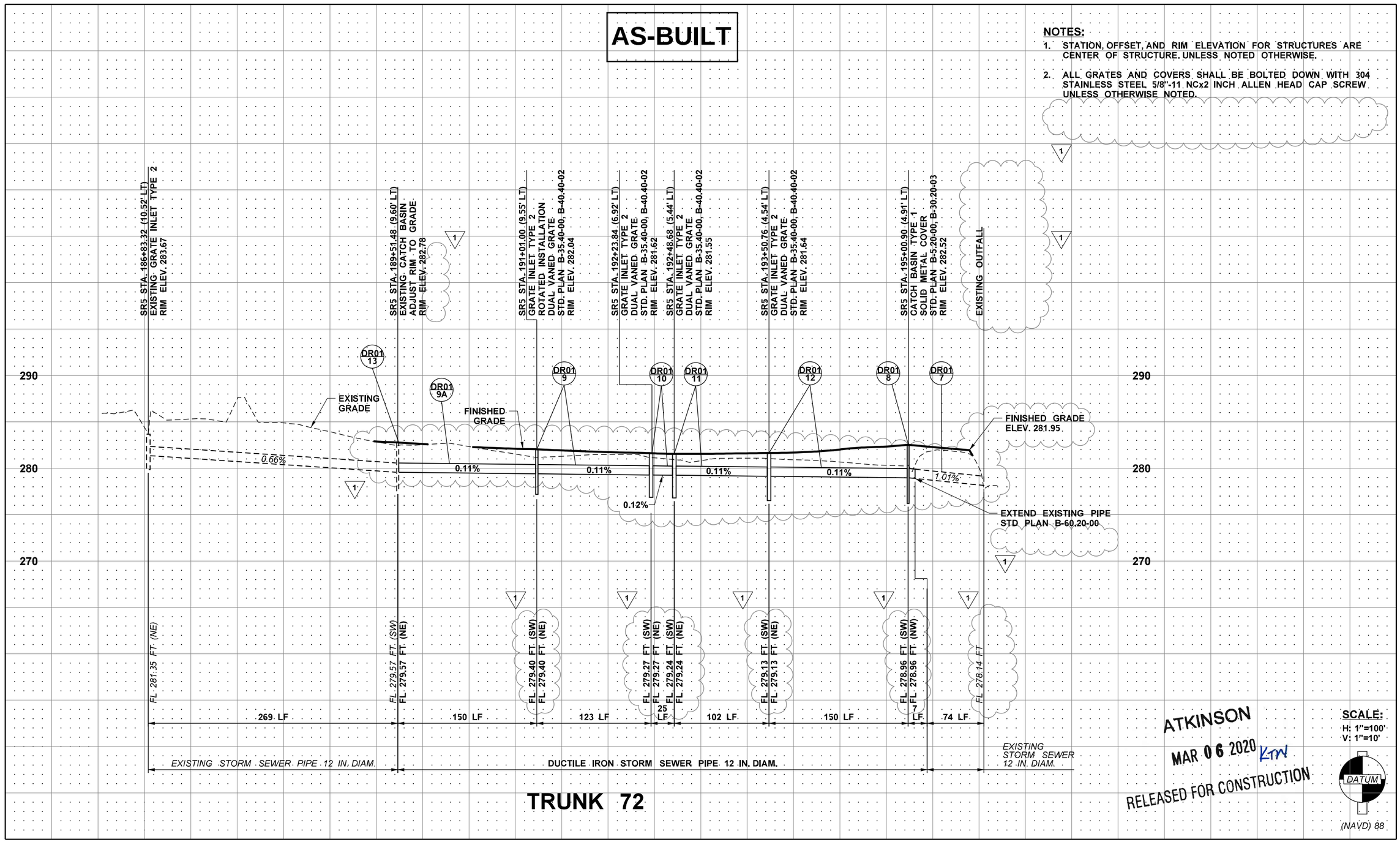
PLAN REF. NO. DP38

SHEET 355 OF 1456 SHEETS

AS-BUILT

NOTES:

1. STATION, OFFSET, AND RIM ELEVATION FOR STRUCTURES ARE CENTER OF STRUCTURE. UNLESS NOTED OTHERWISE.
2. ALL GRATES AND COVERS SHALL BE BOLTED DOWN WITH 304 STAINLESS STEEL 5/8"-11 NCx2 INCH ALLEN HEAD CAP SCREW UNLESS OTHERWISE NOTED.



TRUNK 72

ATKINSON
MAR 06 2020 KTW
RELEASED FOR CONSTRUCTION

SCALE:
H: 1"=100'
V: 1"=10'

DATUM
(NAVD) 88

FILE NAME	c:\pwworking\jacobs_b&i\pw-zigweljd\dms20633\PR_DP39.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	1:27:29 PM				JOB NUMBER		
DATE	3/3/2020						
PLOTTED BY	JeffZ				CONTRACT NO. C9133		LOCATION NO.
DESIGNED BY	J. ZIGWEID						
ENTERED BY	A. MAILLOUX	REV 1 - RFI 0412	02/21/20				
CHECKED BY	J. ZIGWEID	REV 0 - RFC-4TH SB LANE CHANGE	12/06/19				
PROJ. ENGR.	C. MEADE	REV A - FINAL REVIEW-4TH SB LANE CHANGE	11/08/19				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFERY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
3/3/20
P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

DRAINAGE PROFILE

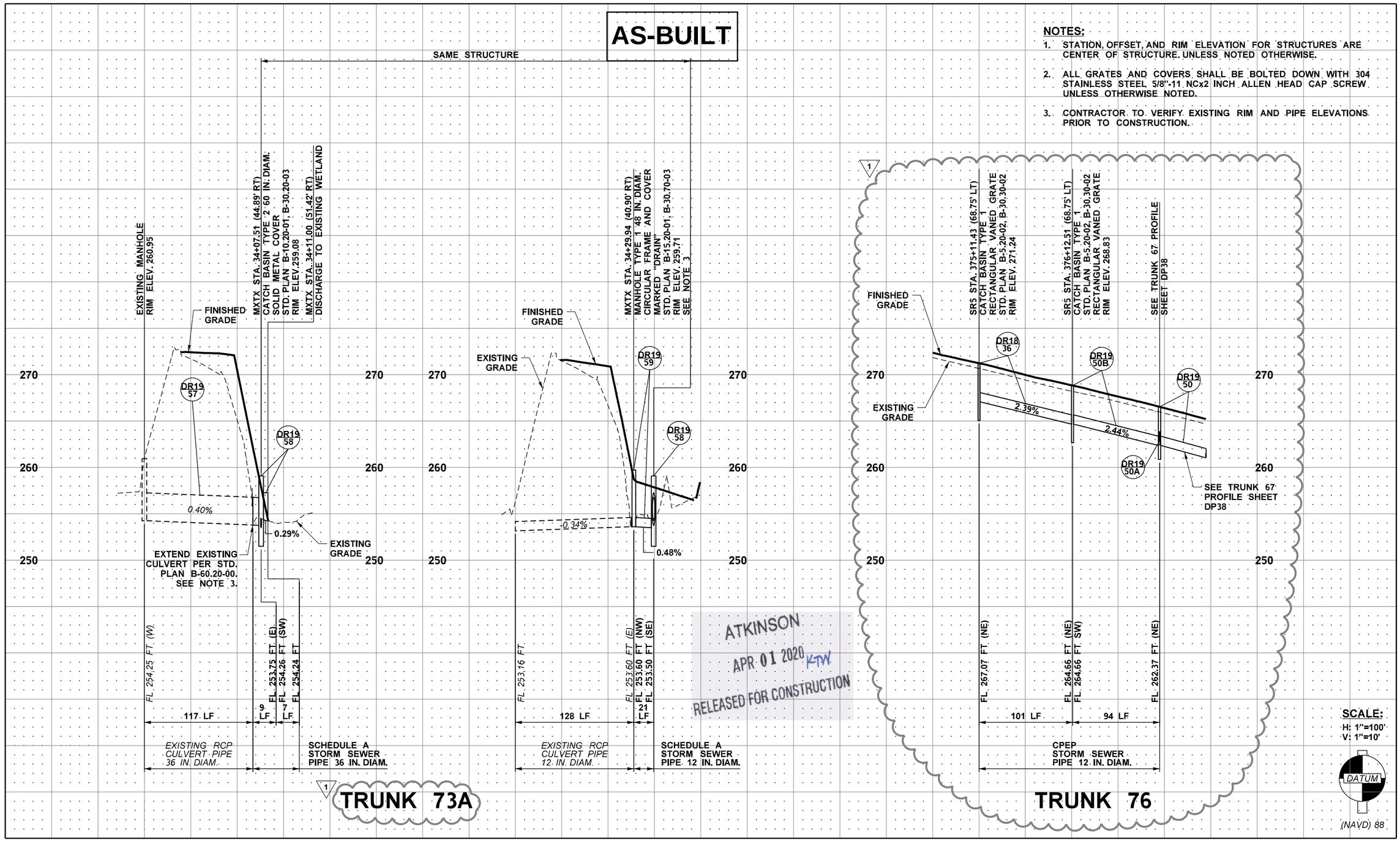
PLAN REF. NO. DP39

SHEET 356 OF 1456 SHEETS

AS-BUILT

NOTES:

1. STATION, OFFSET, AND RIM ELEVATION FOR STRUCTURES ARE CENTER OF STRUCTURE. UNLESS NOTED OTHERWISE.
2. ALL GRATES AND COVERS SHALL BE BOLTED DOWN WITH 304 STAINLESS STEEL 5/8"-11 NCx2 INCH ALLEN HEAD CAP SCREW UNLESS OTHERWISE NOTED.
3. CONTRACTOR TO VERIFY EXISTING RIM AND PIPE ELEVATIONS PRIOR TO CONSTRUCTION.



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DATE	3/25/2020				JOB NUMBER		
PLOTTED BY	JeffZ						
DESIGNED BY	J. ZIGWEID						
ENTERED BY	A. MAILLOUX						
CHECKED BY	J. ZIGWEID	REV 1 - RFI0439	03/27/20		CONTRACT NO. C9133		LOCATION NO.
PROJ. ENGR.	C. MEADE	REV 0 - RFI0311	11/26/19				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 31141 — REGISTERED PROFESSIONAL ENGINEER — 4/1/20 DATE — P.E. STAMP BOX

DATE — P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

DRAINAGE PROFILE

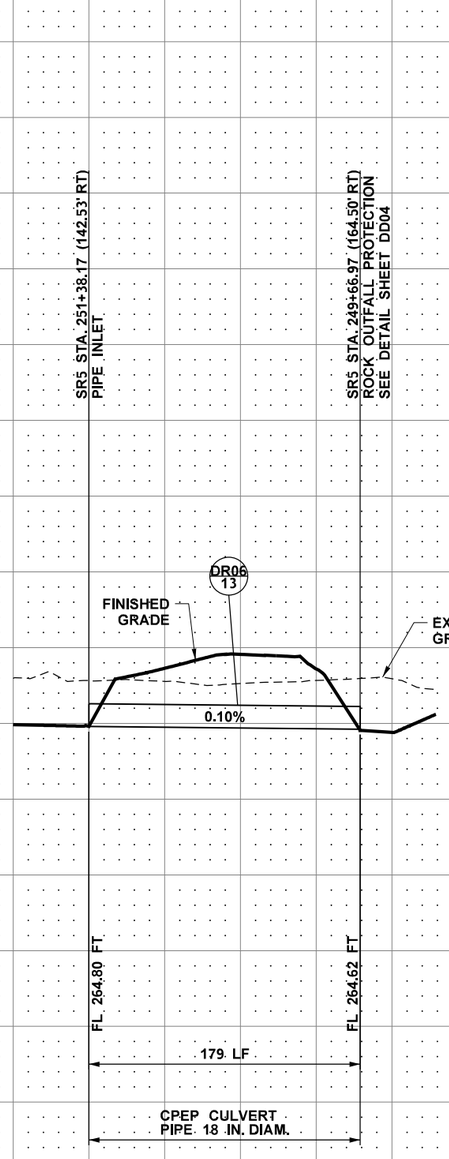
PLAN REF. NO. DP40

SHEET 357 OF 1456 SHEETS

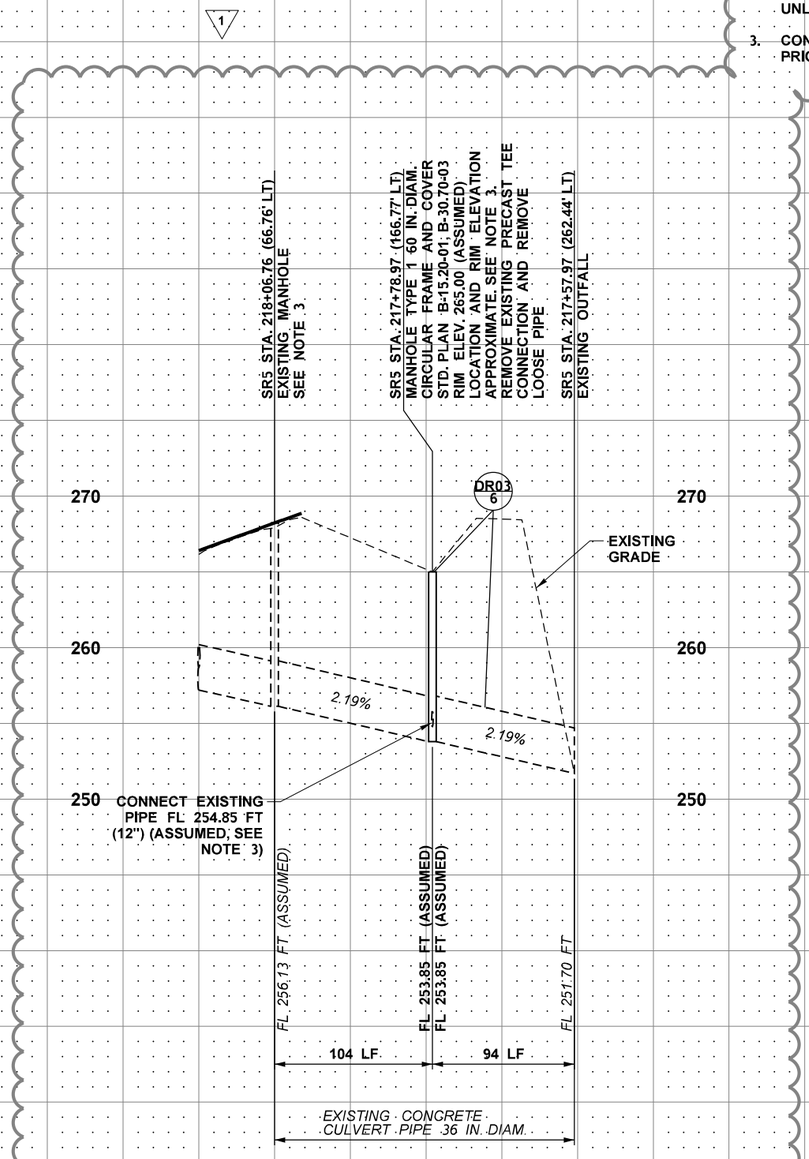
AS-BUILT

NOTES:

1. STATION, OFFSET, AND RIM ELEVATION FOR STRUCTURES ARE CENTER OF STRUCTURE, UNLESS NOTED OTHERWISE.
2. ALL GRATES AND COVERS SHALL BE BOLTED DOWN WITH 304 STAINLESS STEEL 5/8"-11 NCx2 INCH ALLEN HEAD CAP SCREW UNLESS OTHERWISE NOTED.
3. CONTRACTOR TO VERIFY EXISTING RIM AND PIPE ELEVATIONS PRIOR TO CONSTRUCTION.



CULVERT DR06-13



TRUNK 77

SCALE:
H: 1"=100'
V: 1"=10'

ATKINSON
JUL 26 2021
RELEASED FOR CONSTRUCTION

DATUM
(NAVD) 88

FILE NAME	c:\pwworking\jacobs_b&i\pw-zlgweljd\dms20633\PR_DP41.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
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DATE	6/24/2021				JOB NUMBER		
PLOTTED BY	JeffZ						
DESIGNED BY	J. ZIGWEID						
ENTERED BY	A. MAILLOUX						
CHECKED BY	J. ZIGWEID	REV 1 - RFI0642	06/25/21		CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	C. MEADE	REV 0 - RFI0453	04/12/20		C9133		
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFERY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
7/23/21
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

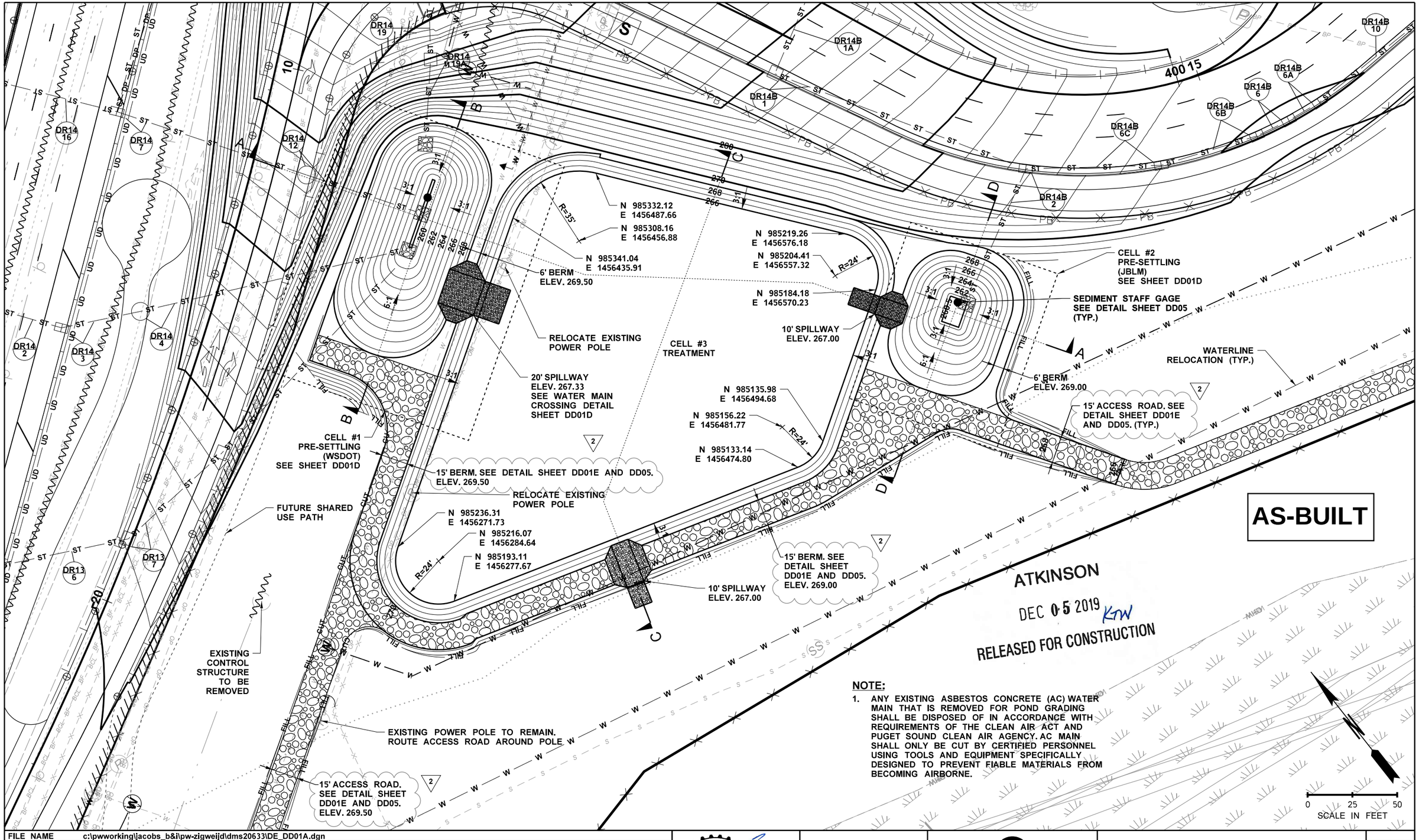
Washington State Department of Transportation
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO 124.45

DRAINAGE PROFILE

PLAN REF. NO.
DP41

SHEET
358
OF
1456
SHEETS



NOTE:

1. ANY EXISTING ASBESTOS CONCRETE (AC) WATER MAIN THAT IS REMOVED FOR POND GRADING SHALL BE DISPOSED OF IN ACCORDANCE WITH REQUIREMENTS OF THE CLEAN AIR ACT AND PUGET SOUND CLEAN AIR AGENCY. AC MAIN SHALL ONLY BE CUT BY CERTIFIED PERSONNEL USING TOOLS AND EQUIPMENT SPECIFICALLY DESIGNED TO PREVENT FIABLE MATERIALS FROM BECOMING AIRBORNE.

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TIME	1:54:52 PM				JOB NUMBER		
DATE	12/4/2019				CONTRACT NO. C9133		LOCATION NO.
PLOTTED BY	JeffZ	REV 2 - RFI0233	12/06/19				
DESIGNED BY	J. ZIGWEID	REV 1 - RFI0222	10/21/19				
ENTERED BY	A. MAILLOUX	REV 0 - RFC	04/17/19				
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	03/01/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	10/11/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFERY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
12/4/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

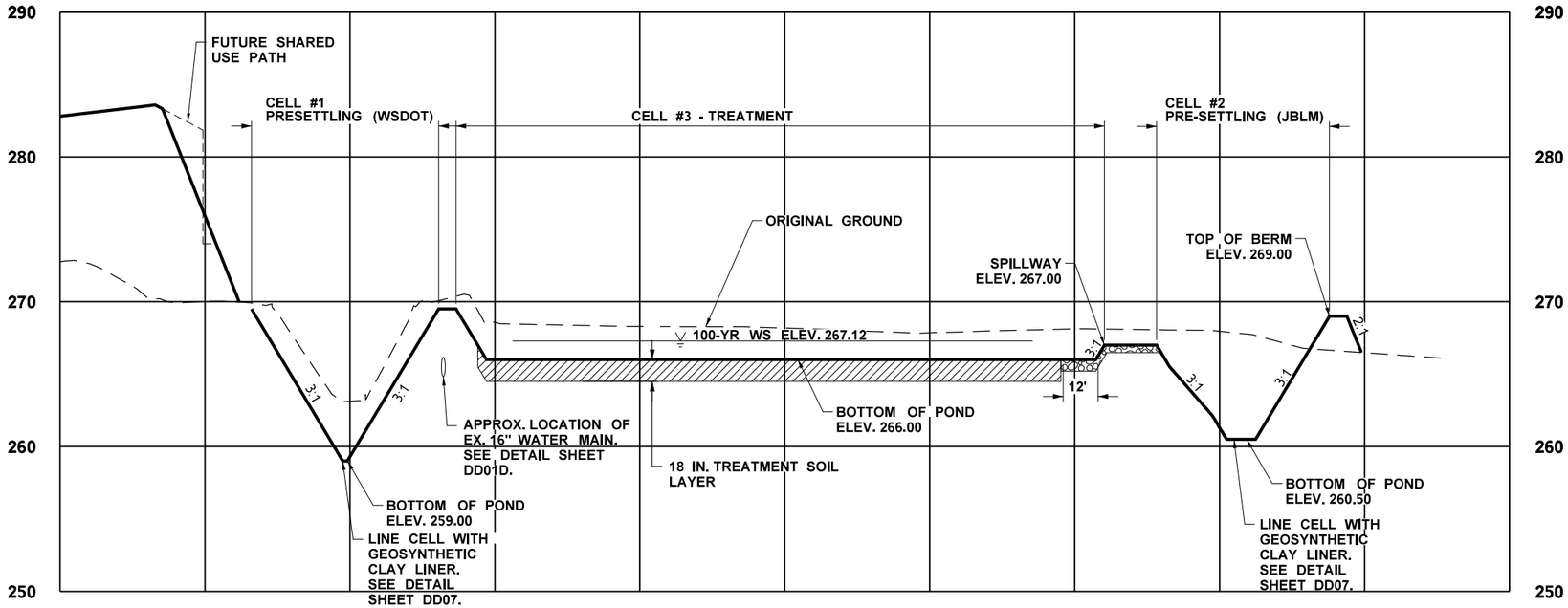
I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

MADIGAN ACP POND DETAIL

PLAN REF NO
DD01A

SHEET 359 OF 1456 SHEETS

AS-BUILT



SECTION A-A (MADIGAN ACP POND)

HORIZ: 1"=50'
VERT: 1"=10'

ATKINSON
APR 22 2019 KTW
RELEASED FOR CONSTRUCTION

FILE NAME	c:\pwworking\jacobs_b&i\ex-mailloa\dms20633\DE_DD01B.dgn				REGION NO.	STATE	FED.AID PROJ.NO.	
TIME	2:19:46 PM				10	WASH		
DATE	4/17/2019				JOB NUMBER			
PLOTTED BY	AndrewM							
DESIGNED BY	J. ZIGWEID							
ENTERED BY	A. MAILLOUX	REV 0 - RFC	04/17/19		CONTRACT NO.		LOCATION NO.	
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	03/01/19		C9133			
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	10/11/18					
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY				

JEFFREY D. [illegible] 21143 STATE OF WASHINGTON REGISTERED PROFESSIONAL ENGINEER
04/17/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON CONSTRUCTION / JACOBS

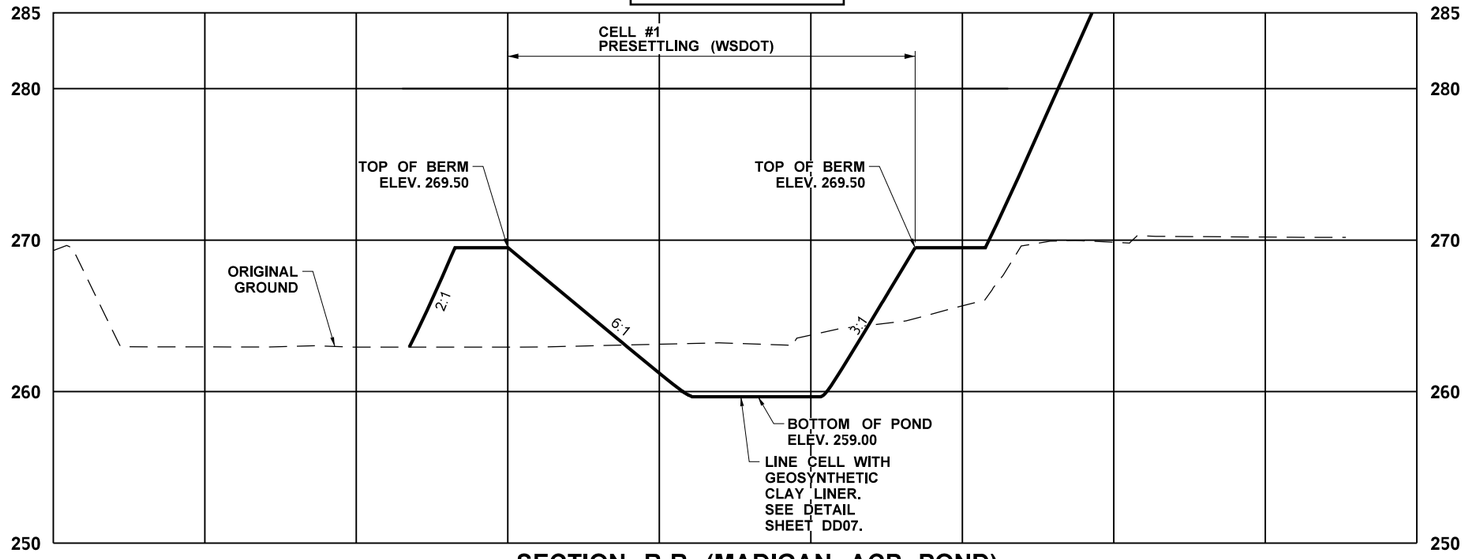
I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

MADIGAN ACP POND SECTIONS

PLAN REF NO
DD01B

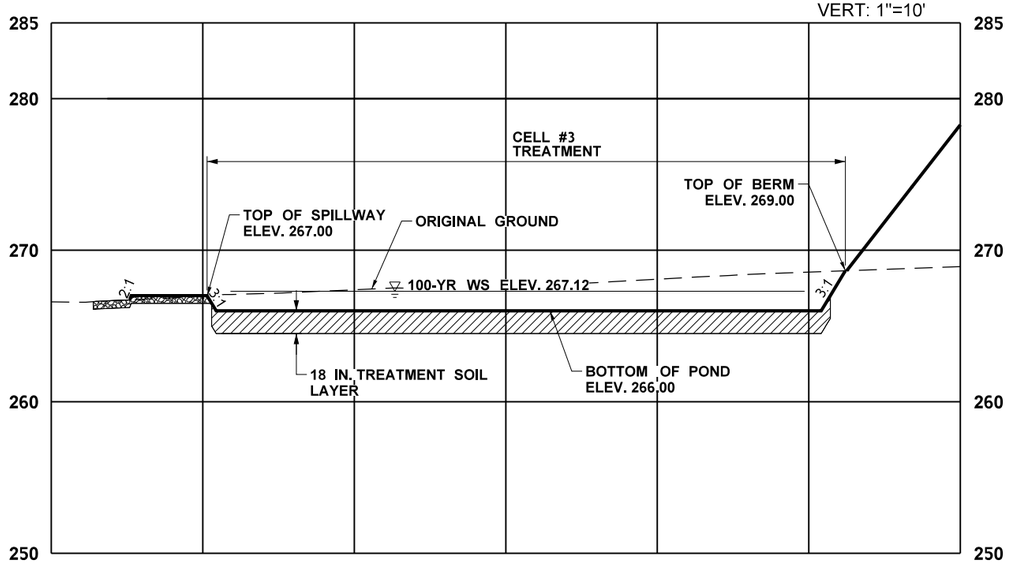
SHEET 360 OF 1456 SHEETS

AS-BUILT



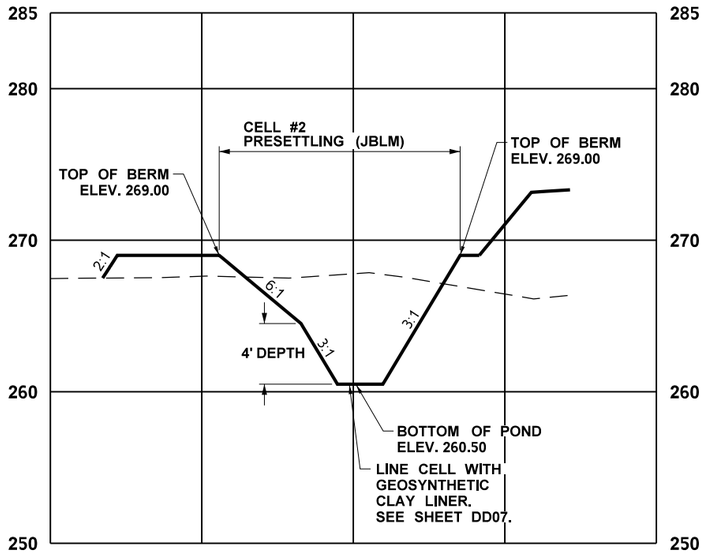
SECTION B-B (MADIGAN ACP POND)

HORIZ: 1"=50'
VERT: 1"=10'



SECTION C-C (MADIGAN ACP POND)

HORIZ: 1"=50'
VERT: 1"=10'



SECTION D-D (MADIGAN ACP POND)

HORIZ: 1"=50'
VERT: 1"=10'

ATKINSON
APR 22 2019
RELEASED FOR CONSTRUCTION

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TIME	2:21:13 PM				10	WASH	
DATE	4/17/2019				JOB NUMBER		
PLOTTED BY	AndrewM						
DESIGNED BY	J. ZIGWEID						
ENTERED BY	A. MAILLOUX	REV 0 - RFC	04/17/19				
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	03/01/19		CONTRACT NO.	LOCATION NO.	
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	10/11/18		C9133		
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

STATE OF WASHINGTON · JEFFERY D. ZIGWEID · 37142 · REGISTERED PROFESSIONAL ENGINEER
04/17/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

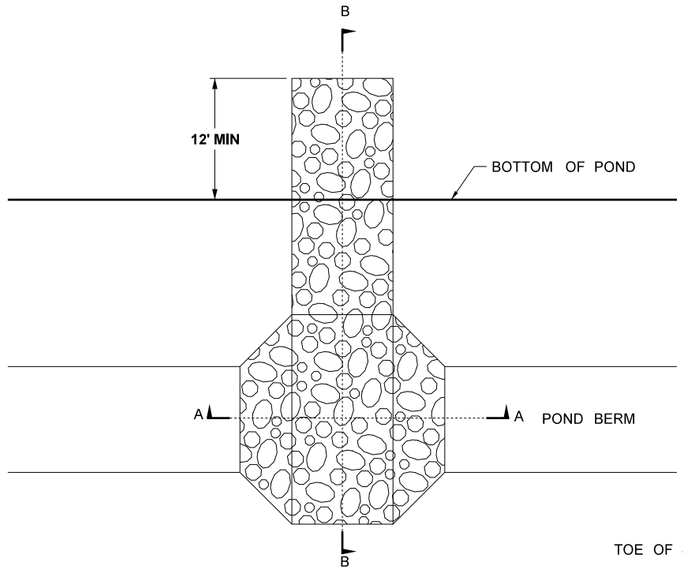
I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

MADIGAN ACP POND SECTIONS

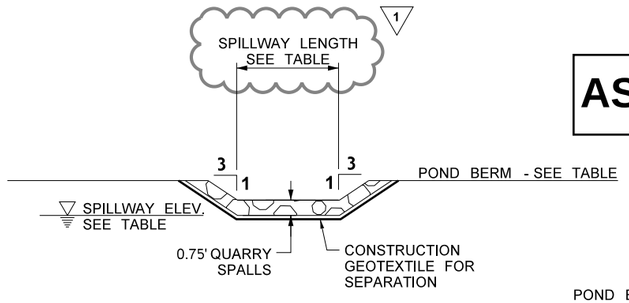
PLAN REF NO
DD01C

SHEET
361
OF
1456
SHEETS

AS-BUILT



PLAN



SECTION A-A

1

POND BERM TABLE

	BERM ELEV.	SPILLWAY ELEV.	SPILLWAY LENGTH
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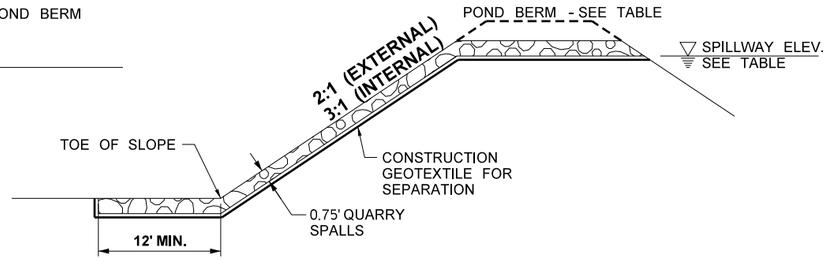
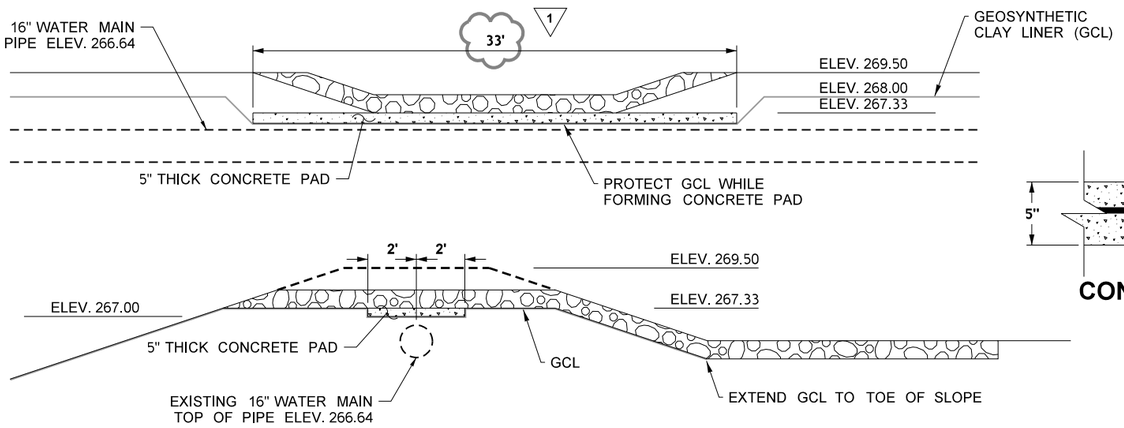
CELL #2	269.00	267.00	10.00
CELL #3	269.00	267.00	10.00



SECTION B-B

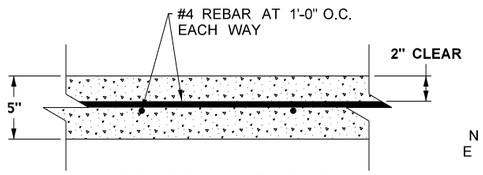
MADIGAN ACP POND TYPICAL SPILLWAY DETAIL

N.T.S.

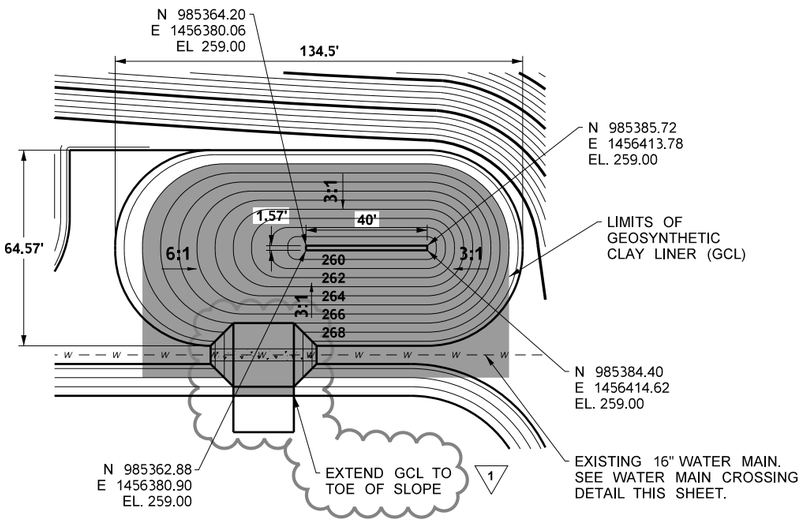


WATER MAIN CROSSING DETAIL

N.T.S.

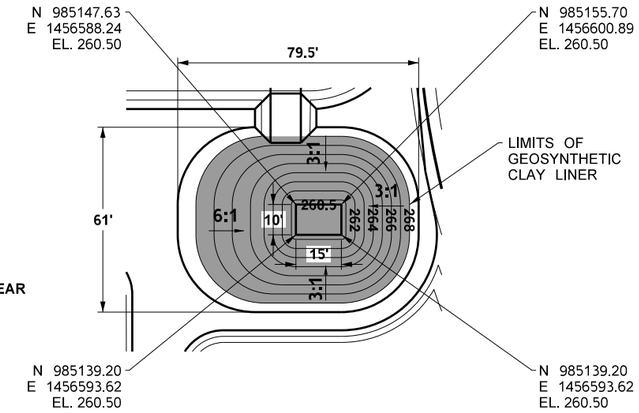


CONCRETE PAD DETAIL



CELL #1 - WSDOT PRE-SETTLING CELL

1"=50'



CELL #2 - JBLM PRE-SETTLING CELL

1"=50'

ATKINSON
NOV 06 2019
RELEASED FOR CONSTRUCTION

FILE NAME	c:\pwworking\jacobs_b&i\pw-zigweijd\dms20633\DE_DD01D.dgn						
TIME	10:25:44 AM						
DATE	10/21/2019						
PLOTTED BY	JeffZ						
DESIGNED BY	J. ZIGWEID	REV 1 - RFI0222	10/21/19				
ENTERED BY	A. MAILLOUX	REV 0 - RFC	05/22/19				
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	03/01/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	10/11/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER		
CONTRACT NO.		LOCATION NO.
C9133		

JEFFERY D. ZIGWEID — STATE OF WASHINGTON — 21147 — REGISTERED PROFESSIONAL ENGINEER
11/6/19
P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

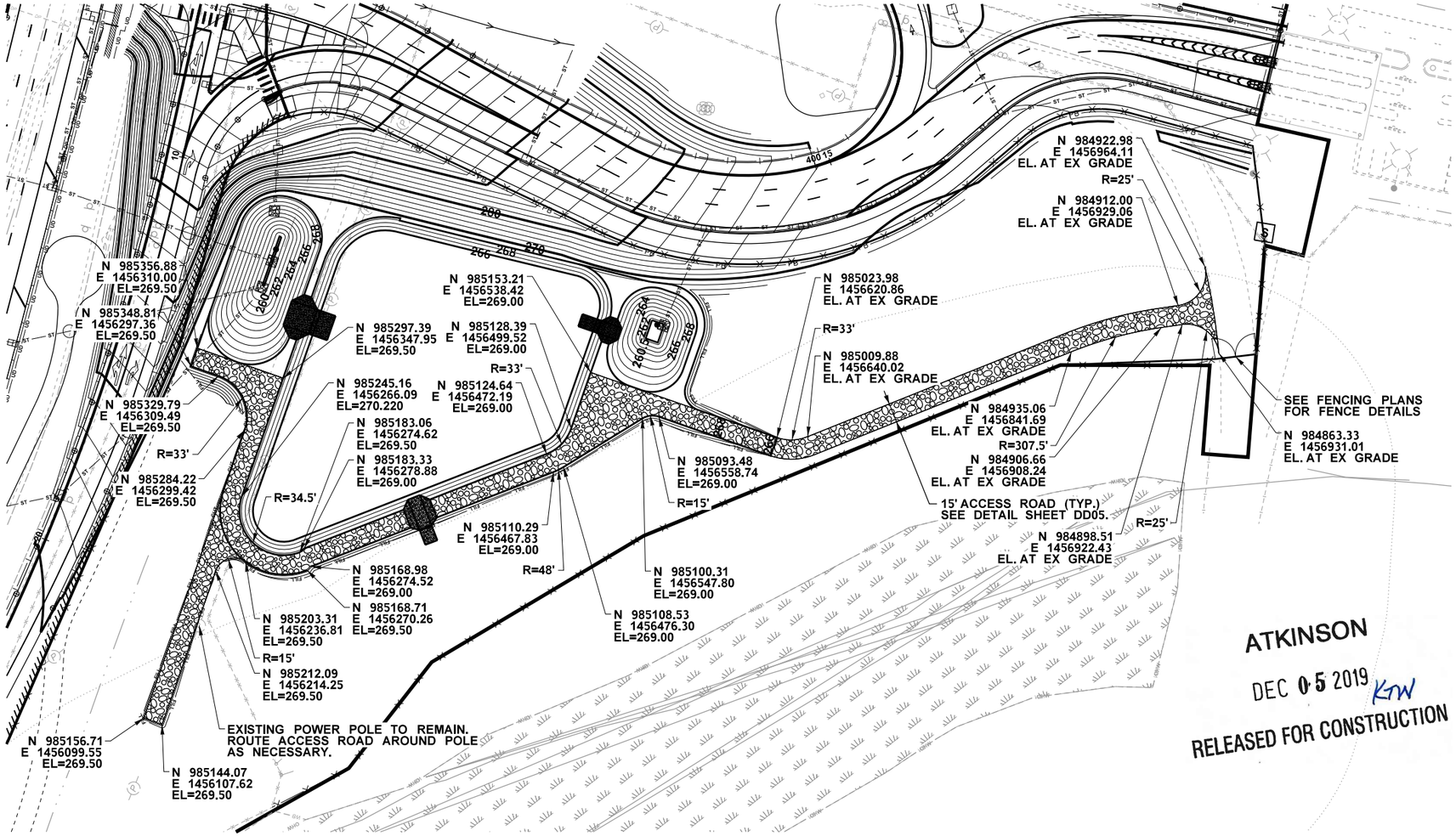
I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

MADIGAN ACP POND DETAILS

PLAN REF NO
DD01D

SHEET
362
OF
1456
SHEETS

AS-BUILT



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TIME	9:00:18 AM						
DATE	12/3/2019				JOB NUMBER		
PLOTTED BY	JeffZ						
DESIGNED BY	J. ZIGWEID				CONTRACT NO. C9133		LOCATION NO.
ENTERED BY	T. HOANG						
CHECKED BY	J. ZIGWEID						
PROJ. ENGR.	C. MEADE	REV 0 - RFI0233	12/06/19				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
12/4/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

MADIGAN ACP POND
ACCESS ROAD DETAIL

PLAN REF NO
DD01E

SHEET 363 OF 1456 SHEETS

AS-BUILT

POND ACCESS ROAD SEE DETAIL SHEET DD02E AND DD05

N 986268.77
E 1455597.74

CELL #2 TREATMENT

NEW WATER (TYP.)

CELL #1 PRESETTLING

N 986508.60
E 1455780.75

OVERFLOW STRUCTURE. SEE DETAIL SHEET DD02D.

N 986525.27
E 1455799.38

POND ACCESS ROAD SEE DETAIL SHEET DD02E AND DD05

N 986504.87
E 1455784.09

N 986521.55
E 1455802.71

N 986245.19
E 1455572.58

N 986231.06
E 1455578.39

N 986289.79
E 1455625.07

N 986270.93
E 1455630.12

N 986251.43
E 1455629.36

N 986221.55
E 1455590.36

N 986234.45
E 1455611.42

6' BERM (TYP.)

NEW BURIED COMM. (TYP.)

BKW LINE

BK LINE

BERKELEY ST SW

WASHINGTON AVE SW

DR14A 2 · DR14A 3 · DR14A 3A · DR14A 4 · DR14A 5 · DR14A 6 · DR14A 7 · DR14A 8 · DR14A 10 · DR14A 11 · DR14A 12 · DR14A 14 · DR14A 15 · DR14A 26 · DR14A 27

ATKINSON

DEC 05 2019

RELEASED FOR CONSTRUCTION

0 25 50
SCALE IN FEET

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TIME	1:10:01 PM						
DATE	12/4/2019						
PLOTTED BY	AndrewM				JOB NUMBER		
DESIGNED BY	J. ZIGWEID	REV 1 - RFI0233	12/06/19				
ENTERED BY	A. MAILLOUX	REV 0 - RFC	07/08/19		CONTRACT NO. C9133		LOCATION NO.
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	05/31/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	10/11/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID · STATE OF WASHINGTON · 51141 · REGISTERED PROFESSIONAL ENGINEER

12/4/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON CONSTRUCTION / JACOBS

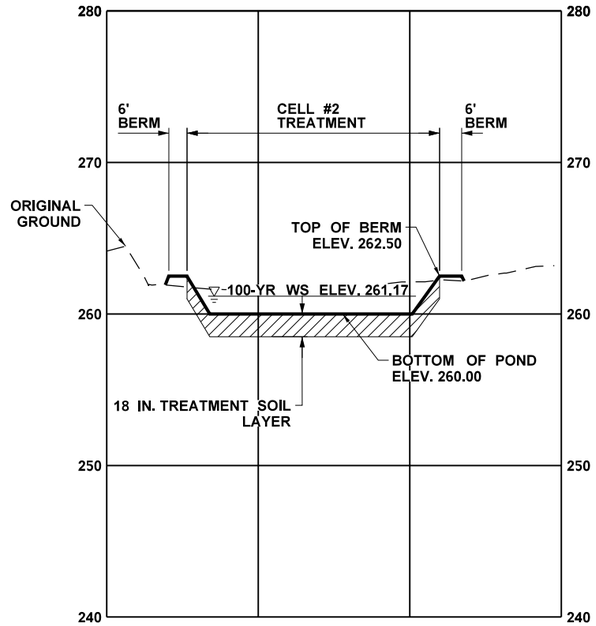
I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

BERKELEY-TILLICUM POND DETAIL

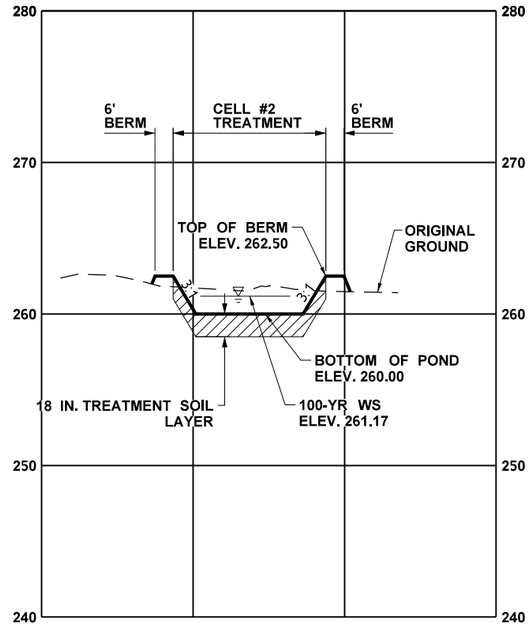
PLAN REF NO DD02A

SHEET 364 OF 1456 SHEETS

AS-BUILT



SECTION A-A (BERKELEY-TILLICUM POND)
HORIZ: 1"=50'
VERT: 1"=10'



SECTION B-B (BERKELEY-TILLICUM POND)
HORIZ: 1"=50'
VERT: 1"=10'

ATKINSON
JUL 10 2019
RELEASED FOR CONSTRUCTION

FILE NAME	c:\pwworking\jacobs_b&i\pw-zigweijd\dms20633\DE_DD02B.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	9:09:58 AM						
DATE	7/8/2019						
PLOTTED BY	JeffZ				JOB NUMBER		
DESIGNED BY	J. ZIGWEID						
ENTERED BY	A. MAILLOUX	REV 0 - RFC	07/08/19				
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	05/31/19		CONTRACT NO. C9133		LOCATION NO.
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	10/11/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 21611 — REGISTERED PROFESSIONAL ENGINEER
7/10/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

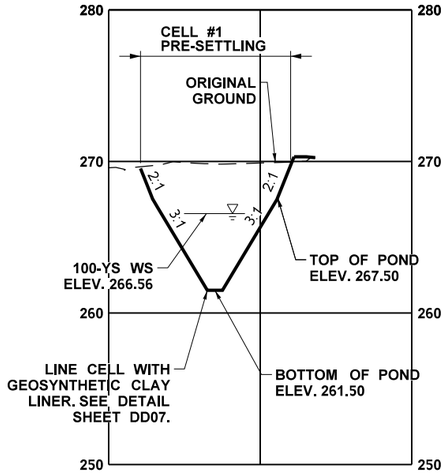
I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

BERKELEY-TILLICUM POND SECTIONS

PLAN REF NO DD02B

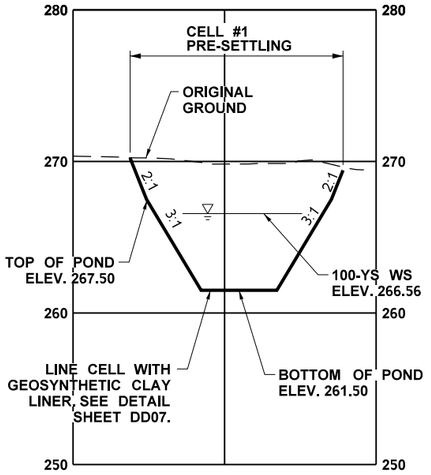
SHEET 365 OF 1456 SHEETS

AS-BUILT



SECTION C-C (BERKELEY-TILLICUM POND)

HORIZ: 1"=50'
VERT: 1"=10'



SECTION D-D (BERKELEY-TILLICUM POND)

HORIZ: 1"=50'
VERT: 1"=10'

ATKINSON
JUL 10 2019
RELEASED FOR CONSTRUCTION

FILE NAME	c:\pwworking\jacobs_b&i\pw-zigweijd\dms20633\DE_DD02C.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	8:12:23 AM				JOB NUMBER		
DATE	7/8/2019				CONTRACT NO. C9133		LOCATION NO.
PLOTTED BY	JeffZ						
DESIGNED BY	J. ZIGWEID						
ENTERED BY	A. MAILLOUX	REV 0 - RFC	07/08/19				
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	5/31/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	10/11/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
7/10/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON CONSTRUCTION / JACOBS

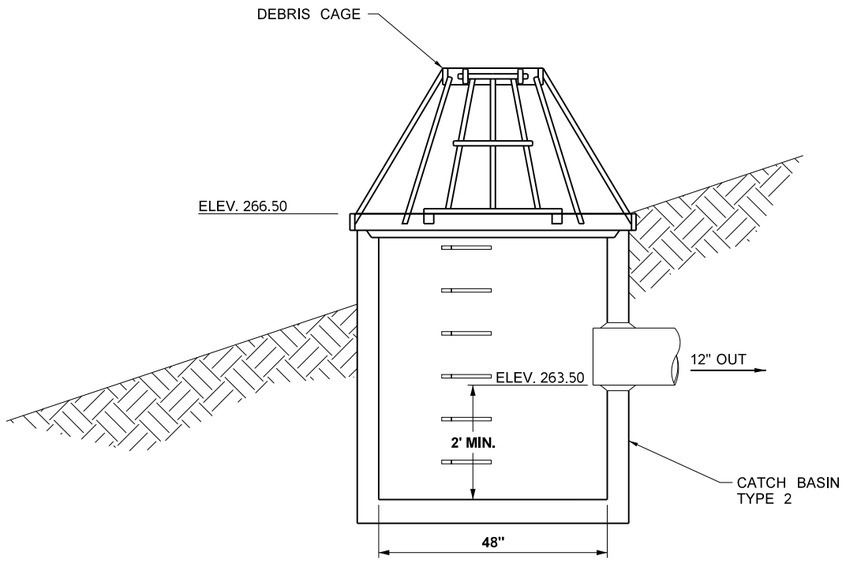
I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

BERKELEY-TILLICUM POND SECTIONS

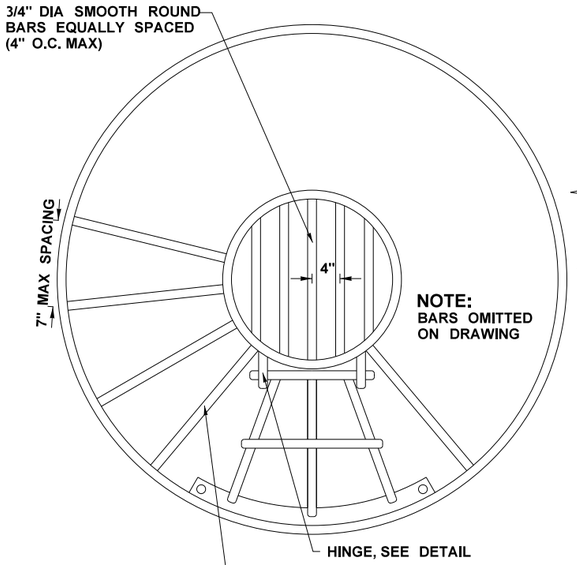
PLAN REF NO
DD02C

SHEET
366
OF
1456
SHEETS

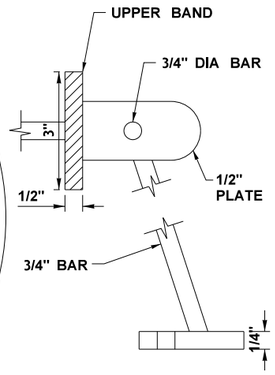
AS-BUILT

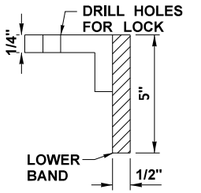


OVERFLOW STRUCTURE DETAIL
N.T.S.

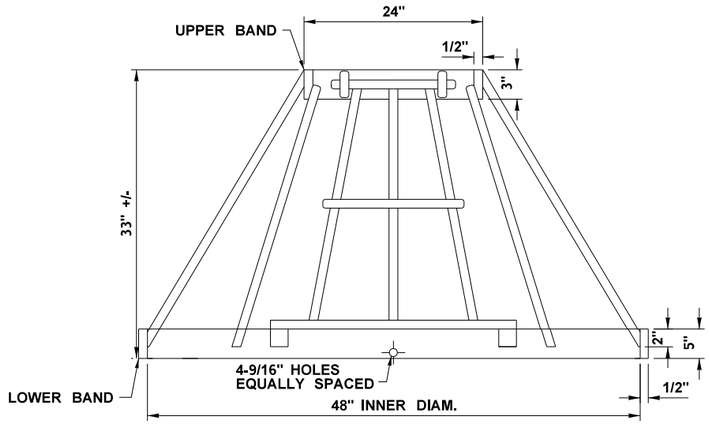


PLAN VIEW





HINGE DETAIL



ELEVATION VIEW

NOTE:
ALL PARTS MUST BE EITHER ALUMINUM OR STAINLESS STEEL. NO GALVANIZED MATERIAL TO BE USED.

DEBRIS CAGE
N.T.S.

ATKINSON
JUL 10 2019
RELEASED FOR CONSTRUCTION

FILE NAME	c:\pwworking\jacobs_b&i\pw-zigweijd\dms20633\DE_DD02D.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	9:11:16 AM						
DATE	7/8/2019						
PLOTTED BY	JeffZ				JOB NUMBER		
DESIGNED BY	J. ZIGWEID						
ENTERED BY	A. MAILLOUX	REV 0 - RFC	07/08/19				
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	05/31/19		CONTRACT NO. C9133		LOCATION NO.
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	10/11/18				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFERY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
7/10/19
P.E. STAMP BOX — DATE

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

BERKELEY-TILLICUM POND DETAILS

PLAN REF NO DD02D

SHEET 367 OF 1456 SHEETS

AS-BUILT

N 986549.55
E 1455267.92
EL. AT EX GRADE

N 986567.17
E 1455277.89
EL. AT EX GRADE

R=25'

N 986551.37
E 1455283.27
EL. AT EX GRADE

SEE FENCING PLANS
FOR GATE DETAILS

12' POND ACCESS ROAD
SEE DETAIL SHEET DD05 (TYP.)

N 986270.67
E 1455512.60
EL. AT EX GRADE

R=25'

N 986267.12
E 1455547.78
EL. AT EX GRADE

N 986325.35
E 1455619.04
EL. AT EX GRADE

N 986215.06
E 1455542.53
EL. AT EX GRADE

R=25'

N 986257.83
E 1455555.37
EL. AT EX GRADE

N 986222.65
E 1455551.83
EL. AT EX GRADE

N 986316.06
E 1455626.63
EL. AT EX GRADE

N 986502.53
E 1455738.75
EL. AT EX GRADE

N 986510.15
E 1455748.02
EL. AT EX GRADE

12' POND ACCESS ROAD
SEE DETAIL SHEET DD05

SEE FENCING PLANS
FOR GATE DETAILS

BXW 287+91.38 (45.49' RT)
EL=270.71

BXW 287+81.91 (45.27' RT)
EL=270.65

CUT
268
266
264
262
261.5
IRO

BERKELEY AVE SW

BK LINE
BERKELEY ST SW

GRANT AVE SW

ST — ST — ST

90

10

ATKINSON
DEC 05 2019
RELEASED FOR CONSTRUCTION

N

0 25 50
SCALE IN FEET

FILE NAME	c:\pwworking\jacobs_b&i\pw-zigweijd\dms20633\DE_DD02E.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	11:38:26 AM						
DATE	11/23/2019				JOB NUMBER		
PLOTTED BY	JeffZ						
DESIGNED BY	J. ZIGWEID				CONTRACT NO. C9133		LOCATION NO.
ENTERED BY	T. HOANG						
CHECKED BY	J. ZIGWEID						
PROJ. ENGR.	C. MEADE	REV 0 - RFI0233	12/06/19				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
12/4/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State
Department of Transportation

ATKINSON / JACOBS
CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

BERKELEY-TILLICUM POND
ACCESS ROAD DETAIL

PLAN REF NO
DD02E

SHEET
368
OF
1456
SHEETS

AS-BUILT

APPROXIMATE LOCATION OF EXISTING WATER

15' POND ACCESS ROAD. SEE DETAIL SHEET DD05 AND PVD82. (TYP.)

N 988216.89
E 1459958.86

CELL #2 TREATMENT

R=25'

R=12.5'

R=434.64'

N 988222.55
E 14599956.86

10' SPILLWAY
ELEV. 272.50

N 988154.45
E 1459992.13

6' BERM
ELEV. 275.00

N 988039.81
E 1459994.16

N 988214.89
E 1459953.20

SEDIMENT STAFF GAGE
SEE DETAIL SHEET DD05

N 988220.55
E 1459951.20

CELL #1
PRE-SETTLING

N 988039.81
E 1459547.02

MRTX LINE

TX LINE

ATKINSON
APR 22 2020 KTW
RELEASED FOR CONSTRUCTION

0 25 50
SCALE IN FEET

FILE NAME	c:\pwworking\jacobs_b&l\pw-zlgweljd\dms20633\DE_DD03A.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	9:50:52 AM				10	WASH	
DATE	4/14/2020				JOB NUMBER		
PLOTTED BY	JeffZ	REV 2 - RFI0461	04/17/20				
DESIGNED BY	J. ZIGWEID	REV 1 - RFI0255	11/04/19		CONTRACT NO.		LOCATION NO.
ENTERED BY	A. MAILLOUX	REV 0 - RFC	08/14/19		C9133		
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	07/02/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	03/15/19				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 21141 — REGISTERED PROFESSIONAL ENGINEER
4/20/20
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

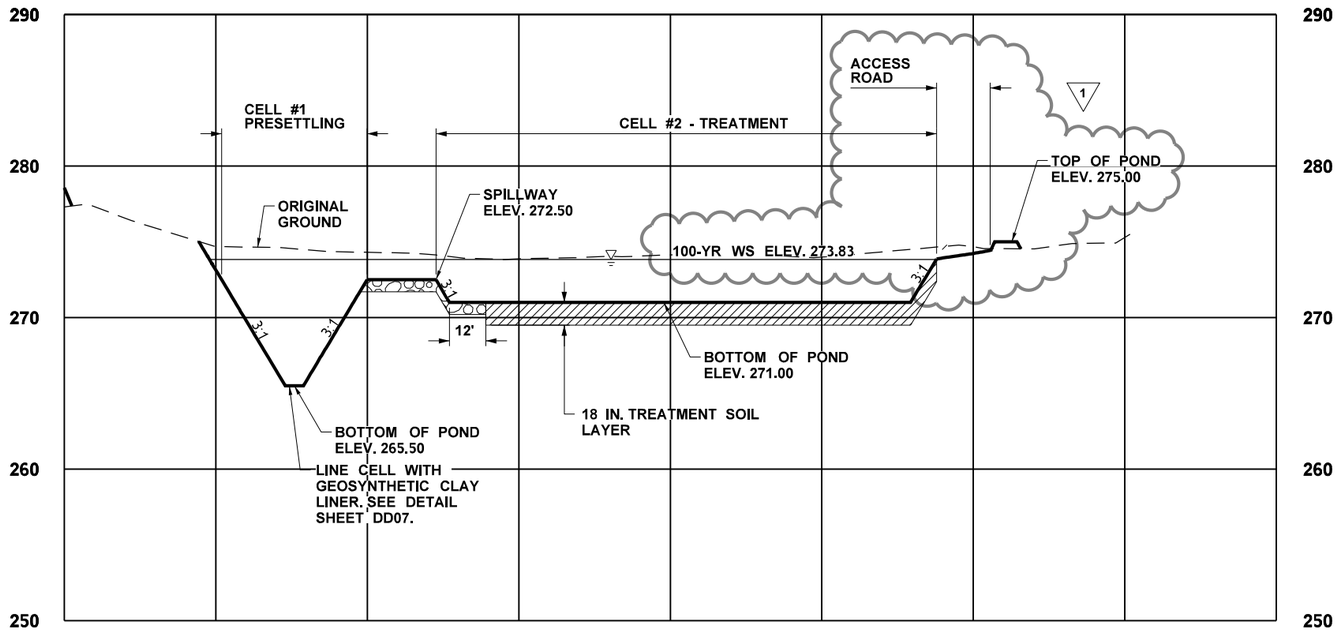
I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

THORNE POND DETAIL

PLAN REF NO
DD03A

SHEET
369
OF
1456
SHEETS

AS-BUILT



SECTION A-A (THORNE POND)
HORIZ: 1"=50'
VERT: 1"=10'

ATKINSON
APR 22 2020 KW
RELEASED FOR CONSTRUCTION

FILE NAME	c:\pwworking\jacobs_b&i\pw-zigweljd\dms20633\DE_DD03B.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	9:55:14 AM						
DATE	4/14/2020						
PLOTTED BY	JeffZ				JOB NUMBER		
DESIGNED BY	J. ZIGWEID	REV 1 - RFI0461	04/17/20				
ENTERED BY	A. MAILLOUX	REV 0 - RFC	08/14/19				
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	07/02/19		CONTRACT NO. C9133		LOCATION NO.
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	03/15/19				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFERY D. ZIGWEID — STATE OF WASHINGTON — 21141 — REGISTERED PROFESSIONAL ENGINEER
4/20/20
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State
Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

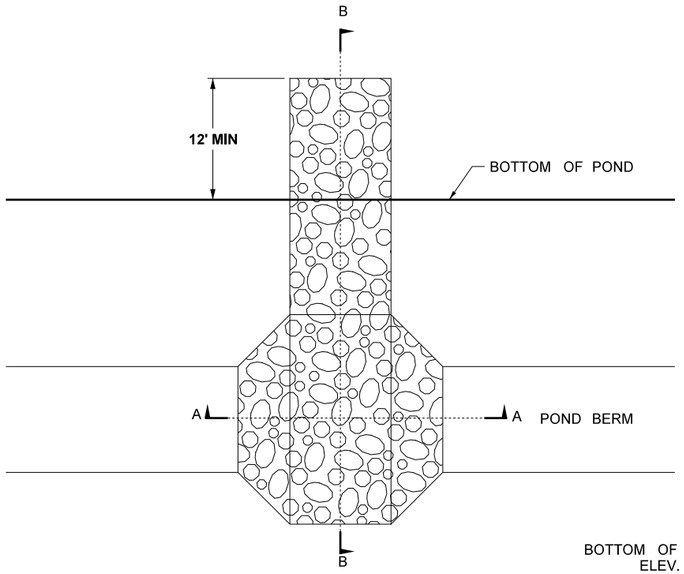
I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

THORNE POND SECTIONS

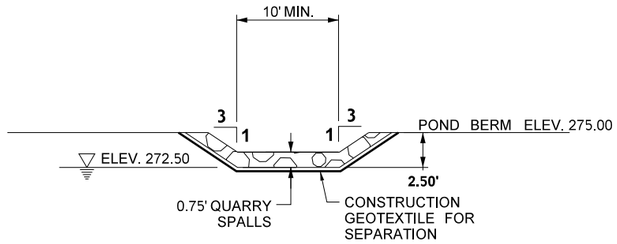
PLAN REF NO
DD03B

SHEET
370
OF
1456
SHEETS

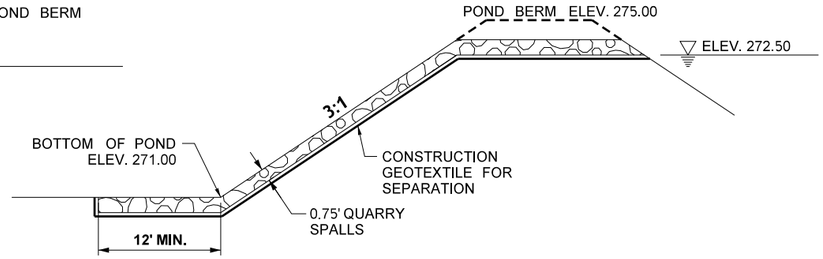
AS-BUILT



PLAN



SECTION A-A



SECTION B-B

THORNE POND TYPICAL SPILLWAY DETAIL

N.T.S.

ATKINSON
AUG 28 2019 KTW
RELEASED FOR CONSTRUCTION

FILE NAME	c:\pwworking\jacobs_b&i\ex-mailloa\dms20633\DE_DD03C.dgn				REGION NO. / STATE	FED.AID PROJ.NO.	
TIME	7:58:03 AM				10 WASH		
DATE	8/9/2019				JOB NUMBER		
PLOTTED BY	AndrewM						
DESIGNED BY	J. ZIGWEID						
ENTERED BY	A. MAILLOUX	REV 0 - RFC	08/14/19		CONTRACT NO.	LOCATION NO.	
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	07/02/19		C9133		
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	03/15/19				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

P.E. STAMP BOX — DATE 8/28/19

P.E. STAMP BOX — DATE

Washington State Department of Transportation

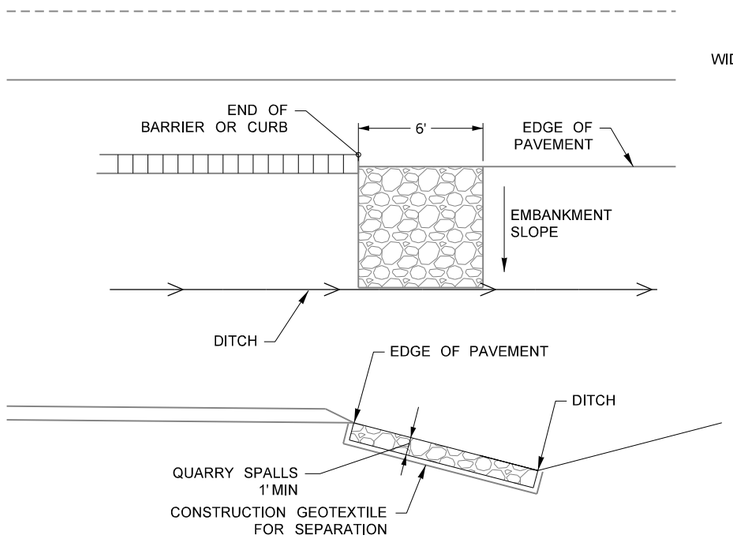
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

THORNE POND DETAILS

PLAN REF NO DD03C

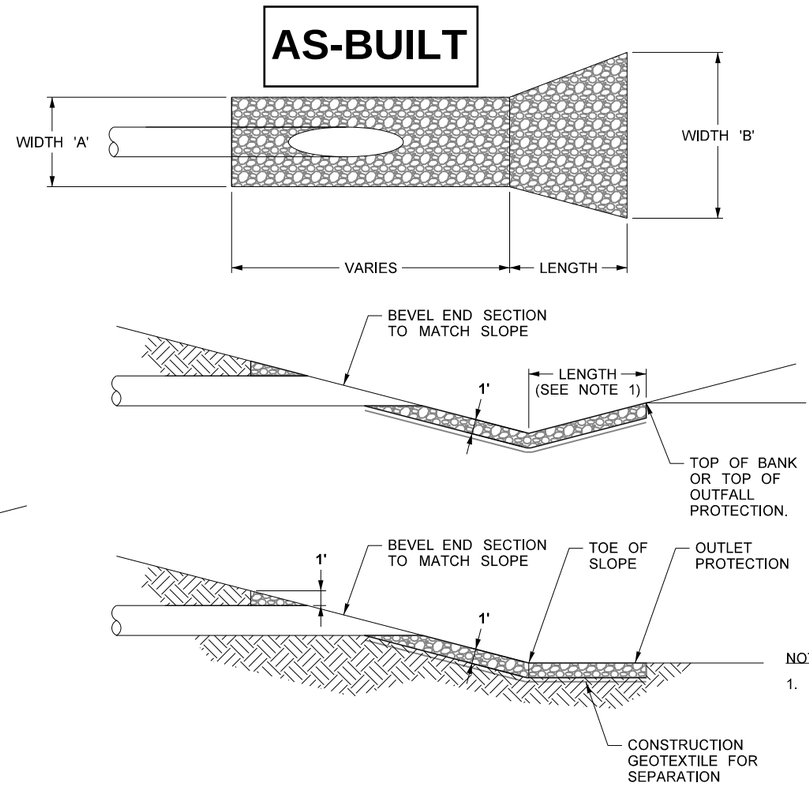
SHEET 371 OF 1456 SHEETS



BARRIER/CURB END SCOUR PROTECTION

N.T.S.

AS-BUILT



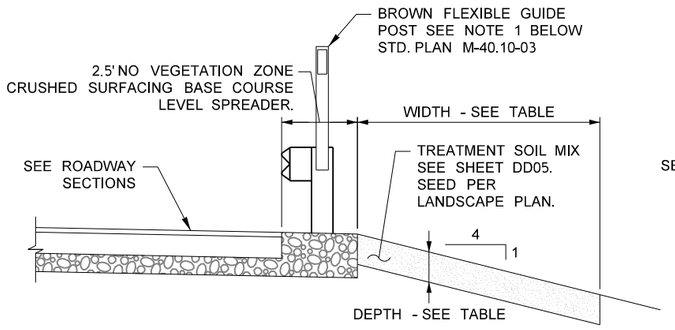
NOTE:

1. LINE OPPOSITE BANK TO ACHIEVE LENGTH OR END OUTFALL PROTECTION AT TOP OF BANK.

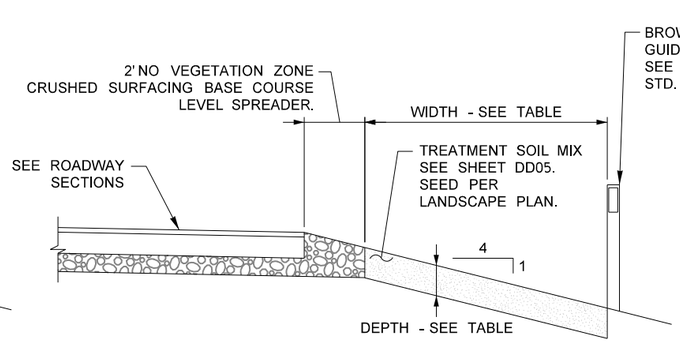
ROCK OUTFALL PROTECTION

N.T.S.

STRUCTURE NOTE	ROCK TYPE	WIDTH 'A' (FT)	WIDTH 'B' (FT)	LENGTH (FT)
DR04-6	QUARRY SPALLS	3'	8'	8'
15 DR04-7A	QUARRY SPALLS	3'	8'	8'
DR04-17	QUARRY SPALLS	3'	8'	8'
DR05-10A	QUARRY SPALLS	3'	8'	8'
DR05-12	QUARRY SPALLS	3'	8'	8'
DR05-16	QUARRY SPALLS	3'	8'	8'
DR06-12	QUARRY SPALLS	3'	8'	8'
DR06-13	QUARRY SPALLS	4.5'	9'	8'
15 DR06-14	QUARRY SPALLS	3'	8'	8'
DR06-15	QUARRY SPALLS	3'	8'	8'
DR07-4	QUARRY SPALLS	3'	8'	8'
DR07-6	QUARRY SPALLS	3'	8'	8'
DR11-13	QUARRY SPALLS	3'	8'	8'
DR13-20	QUARRY SPALLS	3'	8'	8'
DR14-4	QUARRY SPALLS	4.5'	9'	8'
DR14-5	QUARRY SPALLS	4.5'	9'	8'
DR14-12	ROCK FOR EROSION CLASS A	4.5'	9'	8'
DR14-19A	QUARRY SPALLS	3'	8'	8'
DR14A-8	QUARRY SPALLS	3'	8'	8'
DR14A-27	QUARRY SPALLS	3'	8'	8'
DR14B-2	QUARRY SPALLS	3'	8'	8'
DR15-10	QUARRY SPALLS	3'	8'	8'
DR18-27	QUARRY SPALLS	3'	8'	8'
DR18-33	QUARRY SPALLS	3'	8'	8'
DR19-10	QUARRY SPALLS	4.5'	9'	8'
DR19-11	QUARRY SPALLS	3'	8'	8'
DR19-38	ROCK FOR EROSION CLASS A	3'	8'	8'
DR19A-5	QUARRY SPALLS	3'	8'	8'
DR19A-9	QUARRY SPALLS	3'	8'	8'
DR19B-2	QUARRY SPALLS	3'	8'	8'
DR21-1	QUARRY SPALLS	3'	8'	8'
DR21-2	QUARRY SPALLS	3'	8'	8'
DR21-3	QUARRY SPALLS	3'	8'	8'
DR21-4	QUARRY SPALLS	3'	8'	8'
DR21-6	QUARRY SPALLS	3'	8'	8'
DR21-8	QUARRY SPALLS	3'	8'	8'
DR22-1	QUARRY SPALLS	3'	8'	8'
DR22-2	QUARRY SPALLS	3'	8'	8'



CAVFS BEHIND GUARDRAIL



CAVFS WITHOUT GUARDRAIL

NOTE:

1. INSTALL FLEXIBLE GUIDE POSTS (WITH NON-RELECTIVE SHEETING) AT THE BEGINNING AND END OF THE CAVFS AND ALONG THE LENGTH OF THE CAVFS AT 500-FT SPACING (MAX).
2. AS-BUILT SLOPES MAY VARY FROM 2% TO 33%.

COMPOST-AMENDED VEGETATED FILTER STRIP

N.T.S.

STRUCTURE NOTE	BEGINNING STATION	BEGINNING OFFSET	ENDING STATION	ENDING OFFSET	WIDTH (FT)	DEPTH (FT)	LENGTH (FT)
DR01-1	SR5 193+00.00	56.65' RT	SR5 195+32.00	63.00' RT	8'	1.5'	232'
DR02-5	SR5 208+50.00	59.00' RT	SR5 220+00.00	66.53' RT	8'	1.5'	1150'
DR03-5	SBCD 419+79.46	23.52' LT	SBCD 424+93.85	46.20' LT	8'	1.5'	514'
DR04-18	SBCD 429+99.59	22.85' LT	SBCD 433+39.61	22.76' LT	8'	1.5'	340'
DR08-6	SR5 271+02.47	72.52' LT	SR5 275+06.03	70.67' LT	8'	1.5'	404'
DR16-7	SR5 356+76.56	96.00' LT	SR5 361+11.08	96.00' LT	8'	1.5'	435'
DR17-8	SR5 358+68.00	70.81' RT	SR5 372+06.08	109.62' RT	8'	1.5'	1338'
DR17-10	SR5 361+94.91	96.00' LT	SR5 362+36.46	96.00' LT	8'	1.5'	42'
DR17-11	SR5 362+76.91	96.00' LT	SR5 363+06.27	96.00' LT	8'	1.5'	29'
DR17-12	SR5 363+85.41	96.00' LT	SR5 364+13.79	96.00' LT	8'	1.5'	28'
DR17-13	SR5 364+88.24	96.00' LT	SR5 366+28.40	96.00' LT	8'	1.5'	140'
DR18-29	MRTX 306+18.00	34.00' RT	MRTX 308+22.00	20.00' RT	8'	1.5'	204'
DR18-34	SR5 373+03.00	70.00' RT	SR5 374+95.45	70.00' RT	8'	1.5'	192'
DR19-53	SR5 375+53.66	70.00' RT	SR5 377+80.00	70.00' RT	8'	1.5'	226'
DR19-60	TX 028+89.66	35.98' LT	MXTX 036+49.38	32.20' LT	8'	1.5'	241'
DR21-12	SR5 399+76.50	79.00' RT	SR5 405+00.00	79.00' RT	8'	1.5'	524'
DR22-3	SR5 411+66.97	90.50' RT	SR5 423+67.50	78.64' RT	8'	1.5'	1201'
DR22-3A	SR5 408+90.00	79.00' RT	SR5 410+54.00	79.00' RT	8'	1.5'	164'

ATKINSON
JUL 26 2021
RELEASED FOR CONSTRUCTION

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PLOTTED BY	tiffanyh	REV 13 - RFI0573	11/06/20				
DESIGNED BY	J. ZIGWEID	REV 12 - RFI0570	10/30/20		CONTRACT NO.		LOCATION NO.
ENTERED BY	A. MAILLOUX	REV 11 - RFI0553	9/25/20		C9133		
CHECKED BY	J. ZIGWEID	REV 10 - RFI0453	4/12/20				
PROJ. ENGR.	C. MEADE	REV 9 - RFI0429	3/20/20				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
7/23/21
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

DRAINAGE DETAILS

PLAN REF NO
DD04

SHEET
372
OF
1456
SHEETS

TREATMENT SOIL MIX

COMPOST COMPONENT

COMPOST FOR TREATMENT SOIL MIX SHALL BE FINE COMPOST IN ACCORDANCE WITH 9-14.4(8).

AGGREGATE COMPONENT

AGGREGATE FOR TREATMENT SOIL MIX SHALL BE NATURALLY OCCURRING WATER ROUNDED AGGREGATE. AGGREGATE FROM QUARRIES, LEDGE ROCK, AND TALUS SLOPES ARE NOT ACCEPTABLE FOR THIS APPLICATION. THE USE OF RECYCLED MATERIALS IS NOT PERMITTED.

AGGREGATE FOR TREATMENT SOIL MIX SHALL MEET THE FOLLOW TEST REQUIREMENTS FOR QUALITY:

AGGREGATE PROPERTY	TEST METHOD	REQUIREMENT
DEGRADATION FACTOR	WSDOT T 112	15 MIN.
LOS ANGELES WEAR, 500 REV.	AASHTO T 96	35% MAX

AGGREGATE FOR TREATMENT SOIL MIX SHALL MEET THE FOLLOWING REQUIREMENT FOR GRADING PRIOR TO MIXING WITH THE COMPOST COMPONENT:

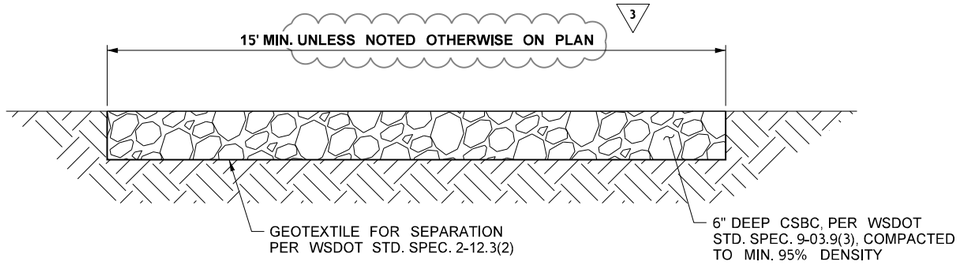
SIEVE SIZE	PERCENT PASSING
3/8"	100
NO. 4	95 - 100
NO. 10	75 - 90
NO. 40	25 - 40
NO. 100	4 - 10
NO. 200	2.0 - 5.0

AGGREGATE FOR TREATMENT SOIL MIX SHALL BE CLASSIFIED AS WELL-GRADED SAND AND SHALL HAVE A COEFFICIENT OF UNIFORMITY OF >/= 6 AND A COEFFICIENT OF CURVE OF BETWEEN 1 AND 3 AS DETERMINED IN ACCORDANCE WITH ASTM D 2487 STANDARD PRACTICE FOR CLASSIFICATION OF SOILS FOR ENGINEERING PURPOSES (UNIFIED SOIL CLASSIFICATION SYSTEM).

TREATMENT SOIL MIX

THE TREATMENT SOIL MIX SHALL BE 50% COMPOST AND 50% AGGREGATE BY VOLUME AND MEET THE FOLLOWING SPECIFICATION REQUIREMENTS:

PROPERTY	TEST METHOD	REQUIREMENT
CATION EXCHANGE CAPACITY (CEC)	U.S. EPA METHOD 9081	>/= 5 MILLIEQUIVALENTS CEC/100G DRY SOIL
HYDRAULIC CONDUCTIVITY AT 85% OF RELATIVE DENSITY	ASTM D 2434	0.5" PER HOUR MINIMUM 12" PER HOUR MAXIMUM



POND ACCESS ROAD DETAIL

N.T.S.

TREATMENT SOIL MIX SUBMITTAL REQUIREMENTS

AT LEAST 30 DAYS PRIOR TO PLACEMENT THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER THE TEST INFORMATION AND RESULTS FOR THE COMPOST COMPONENT, AGGREGATE COMPONENT, AND THE TREATMENT SOIL MIX

1. QUALITY ANALYSIS RESULTS FOR THE COMPOST COMPOUND PERFORMED IN ACCORDANCE WITH SEAL OF TESTING ASSURANCE (STA) STANDARDS, AS SPECIFIED IN SECTION 9-14.4(8).
2. AGGREGATE SOURCE APPROVAL (ASA) REPORT DEMONSTRATING THE AGGREGATE SOURCE SATISFIES THE SPECIFICATION REQUIREMENTS FOR DEGRADATION FACTOR AND LOS ANGELES WEAR.
3. GRAIN SIZE ANALYSIS RESULTS OF THE AGGREGATE PERFORMED IN ACCORDANCE WITH ASTM D 422 SATISFYING THE GRADING REQUIREMENTS FOR THE AGGREGATE IN TREATMENT SOIL MIX.
4. CUMULATIVE PARTICLESIZE PLOT ALONG WITH THE CALCULATIONS DEMONSTRATING CONFORMANCE TO THE COEFFICIENT OF UNIFORMITY OF >/= 6 AND COEFFICIENT OF CURVE OF 1 </= 3 AS DETERMINED IN ACCORDANCE WITH ASTM D 2487 FOR THE AGGREGATE IN TREATMENT SOIL MIX.
5. TEST RESULTS FOR THE ORGANIC CONTENT FROM THE TREATMENT SOIL MIX DEMONSTRATING CONFORMANCE TO THESE SPECIFICATION REQUIREMENTS DETERMINED IN ACCORDANCE WITH TMECC 05.07A.
6. TEST RESULTS FOR CATION EXCHANGE CAPACITY (CEC) FOR THE TREATMENT SOIL MIX DEMONSTRATING CONFORMANCE TO THESE SPECIFICATION REQUIREMENTS DETERMINED IN ACCORDANCE WITH U.S. EPA METHOD 9081.
7. TEST RESULTS FOR HYDRAULIC CONDUCTIVITY FOR THE TREATMENT SOIL MIX DEMONSTRATING CONFORMANCE TO THESE SPECIFICATION REQUIREMENTS DETERMINED IN ACCORDANCE WITH ASTM D 2434 AT 85 PERCENT OF MODIFIED MAXIMUM DRY UNIT WEIGHT AS DETERMINED IN ACCORDANCE WITH ASTM D 1557.
8. PROVIDE THE FOLLOWING INFORMATION ABOUT THE TESTING LABORATORY(IES):
   a. NAME OF LABORATORY(IES) INCLUDING CONTACT PERSON(S),
   b. ADDRESS(ES)
   c. PHONE CONTACT(S)
   d. E-MAIL ADDRESS(ES)
   e. QUALIFICATIONS OF LABORATORY AND PERSONNEL INCLUDING DATE OF CURRENT ACCREDITATION BY STA, ASTM, AASHTO, OR APPROVED EQUAL.

MATERIALS

TREATMENT SOIL MIX SHALL BE THOROUGHLY BLENDED BY EITHER CONTINOUS FLOW OR BATCH TYPE MIXERS USING REVOLVING BLADES OR ROTARY-DRUM MIXERS.

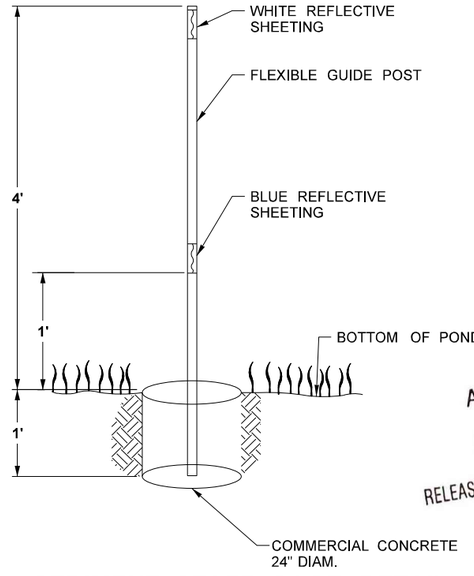
THE SUBGRADE SHALL BE APPROVED BY THE ENGINEER PRIOR TO THE PLACEMENT OF THE TREATMENT SOIL MIX.

EXCAVATION WITHIN 6-INCHES OF FINAL NATIVE SOIL GRADE SHALL NOT BE PERMITTED IF PROJECT SITE SOIL IS SATURATED (3% ABOVE OPTIMUM MOISTURE CONTENT).

THE CONTRACTOR SHALL NOT START CONSTRUCTION UNTIL THE PROJECT SITE DRAINING TO THE INFILTRATION AREA HAS BEEN STABILIZED AND AUTHORIZATION IS GIVEN BY THE ENGINEER. PRIOR TO PLACEMENT OF TREATMENT SOIL MIX IN EACH POND OR CAVFS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER TO INSPECT THE BMP. IF ANY SEDIMENT LADEN RUNOFF HAS ENTERED THE BMP, THE SEDIMENT DEPOSITION SHALL BE REMOVED BY OVEREXCAVATING THE BMP BY A 3-INCH MINIMUM. AN ADDITIONAL 3-INCHES OF TREATMENT SOIL MIX SHALL BE IMPORTED AT THE CONTRACTOR'S EXPENSE.

SCARIFY THE SUBGRADE SOIL A MINIMUM OF 2 INCHES DEEP PRIOR TO PLACING TREATMENT SOIL MIX. MIXING OR PLACING TREATMENT SOIL MIX SHALL NOT BE ALLOWED IF THE AREA RECEIVING TREATMENT SOIL MIX IS SATURATED. THE ENGINEER WILL HAVE FINAL AUTHORITY TO DETERMINE IF SATURATED CONDITIONS EXIST. PLACE TREATMENT SOIL MIX LOOSELY. FINAL GRADE SHALL BE MEASURED AT 3 INCHES ABOVE THE GRADE SPECIFIED ON THE PLANS.

AS-BUILT



ATKINSON
SEP 25 2020 KTW
RELEASED FOR CONSTRUCTION

SEDIMENT STAFF GAGE DETAIL

N.T.S.

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DATE	9/25/2020	REV 2 - RFC	07/08/19	JOB NUMBER			
PLOTTED BY	JeffZ	REV D - FINAL REVIEW	05/31/19				
DESIGNED BY	J. ZIGWEID	REV 1 - RFC	04/17/19				
ENTERED BY	G. RIMANDO	REV C - FINAL REVIEW	03/06/19				
CHECKED BY	J. ZIGWEID	REV 0 - RFC	02/25/19	CONTRACT NO.		LOCATION NO.	
PROJ. ENGR.	C. MEADE	REV B - FINAL REVIEW	01/25/19	C9133			
REGIONAL ADM.	J. WYNANDS	REVISION	DATE BY				

JEFFERY D. ZIGWEID — STATE OF WASHINGTON — 51747 — REGISTERED PROFESSIONAL ENGINEER
9/25/20
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

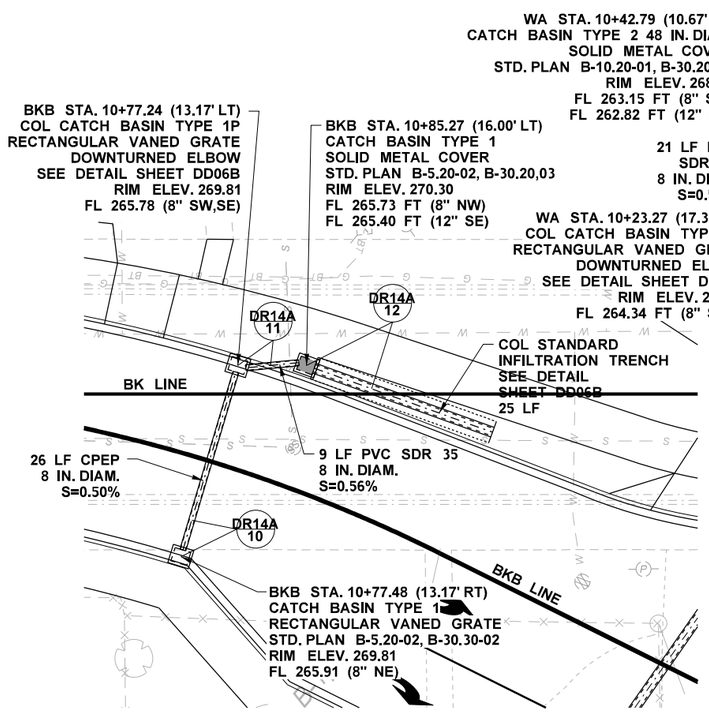
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

DRAINAGE DETAILS

PLAN REF NO
DD05

SHEET
373
OF
1456
SHEETS



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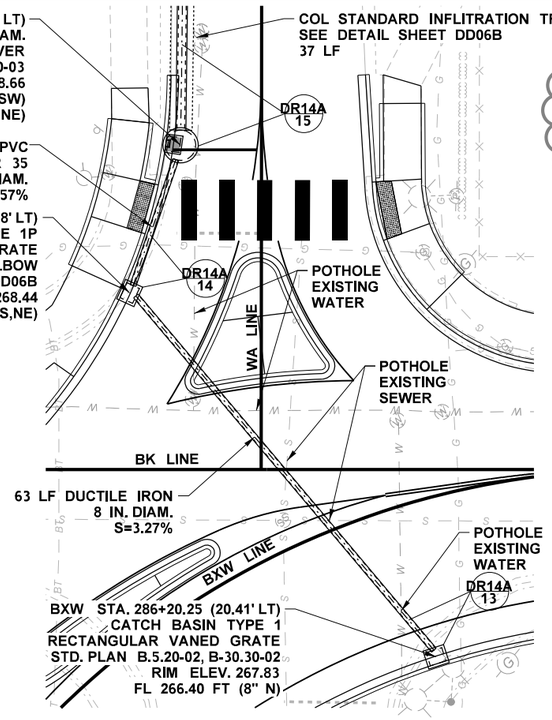

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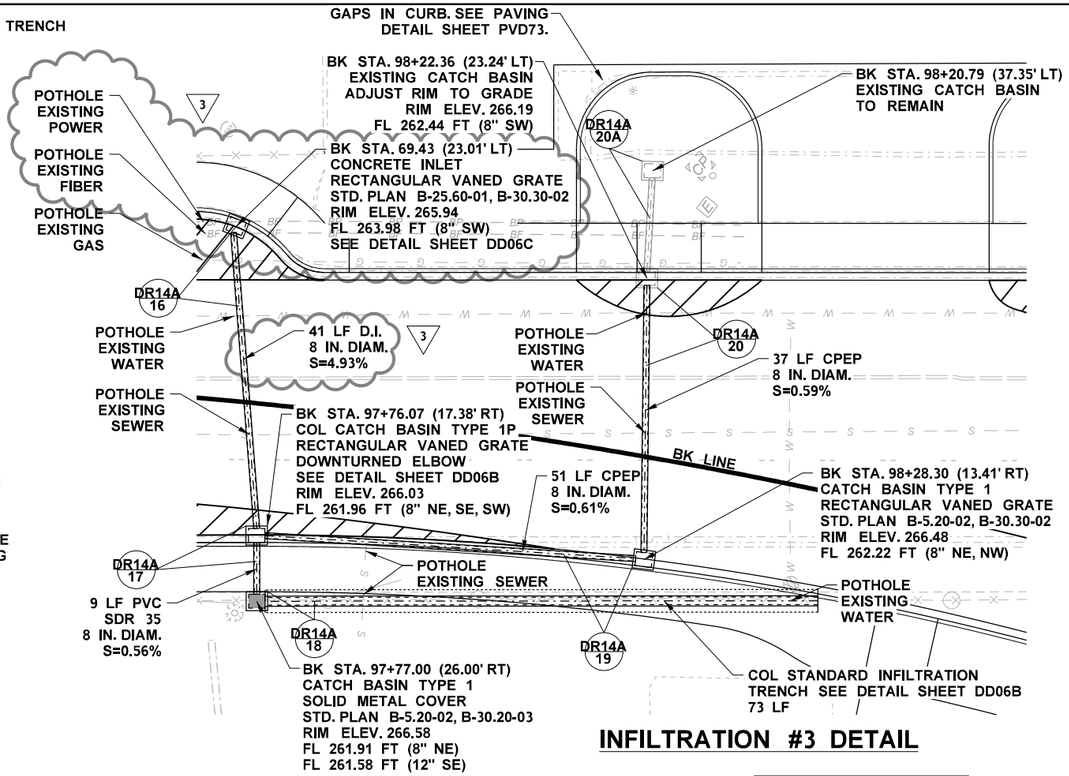

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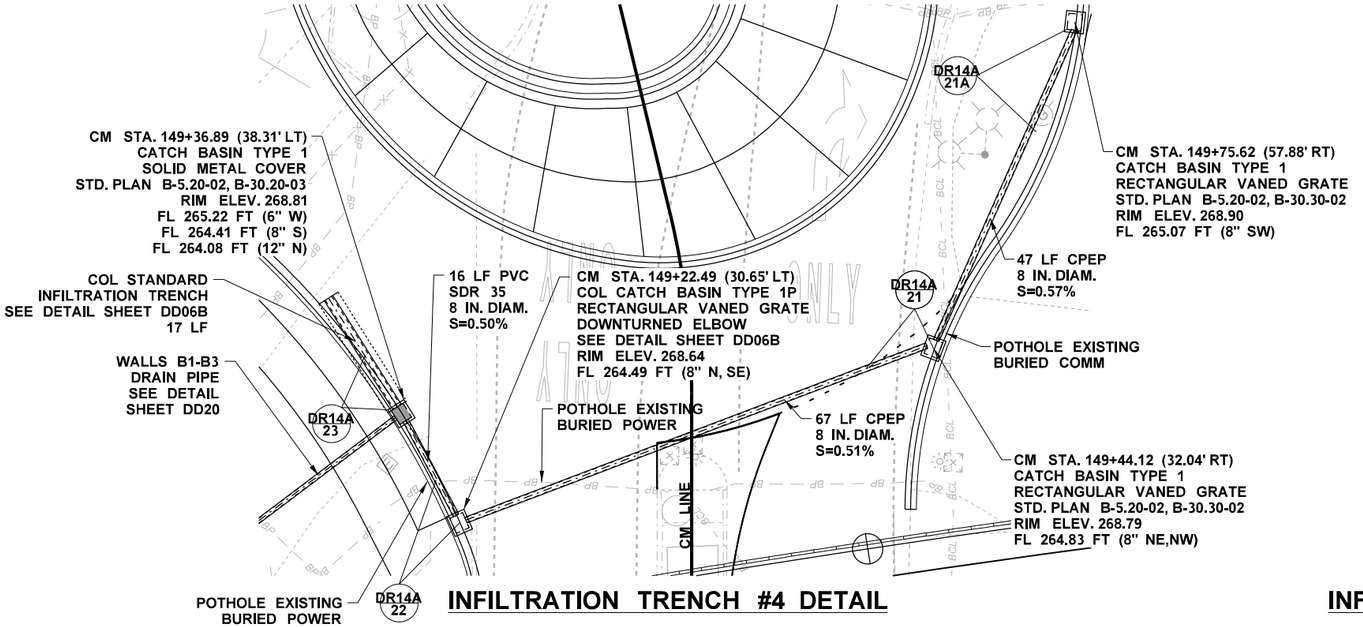

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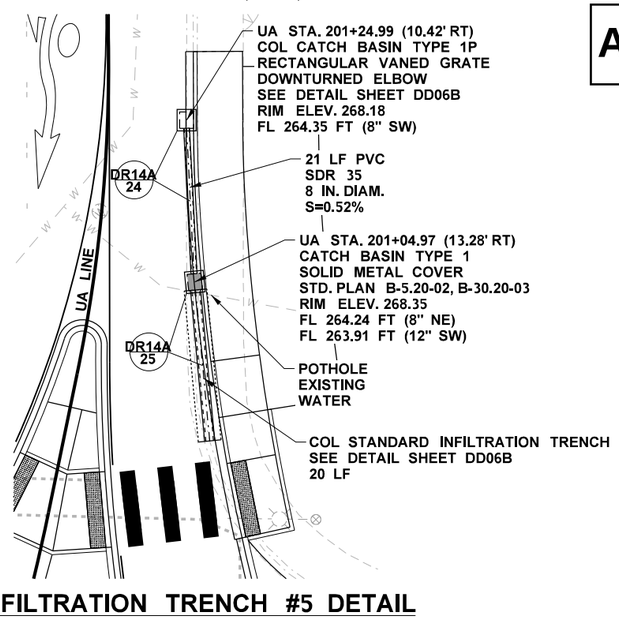

INFILTRATION TRENCH #5 DETAIL

AS-BUILT

ATKINSON
JUN 25 2020 KTW
RELEASED FOR CONSTRUCTION

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SCALE IN FEET

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DESIGNED BY	J. ZIGWEID	REV 2 - RFI0405	02/21/20	
ENTERED BY	A. MAILLOUX	REV 1 - RFI0363, RFI0373, RFI0392	01/28/20	
CHECKED BY	J. ZIGWEID	REV 0 - RFC	07/08/19	
PROJ. ENGR.	C. MEADE	REV A - FINAL REVIEW	05/31/19	
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO.
JOB NUMBER
CONTRACT NO. C9133 | LOCATION NO.

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
6/24/20
P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

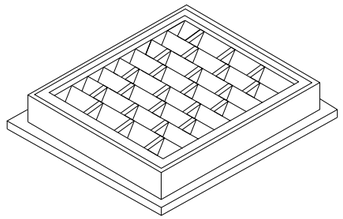
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

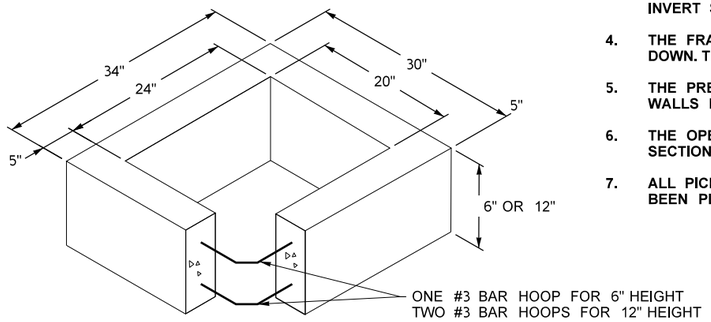
DRAINAGE DETAIL

PLAN REF NO DD06A

SHEET 374 OF 1456 SHEETS



FRAME AND VANED GRATE

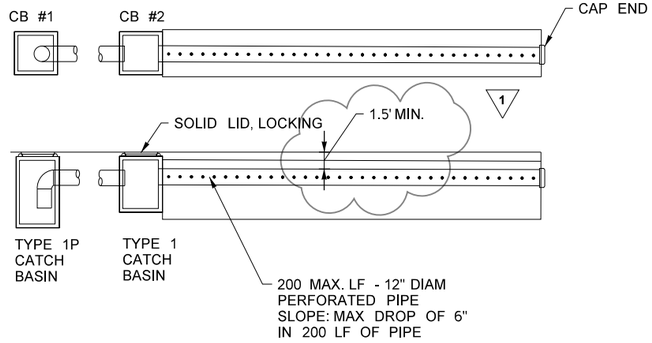


REINFORCED RECTANGULAR ADJUSTMENT SECTION

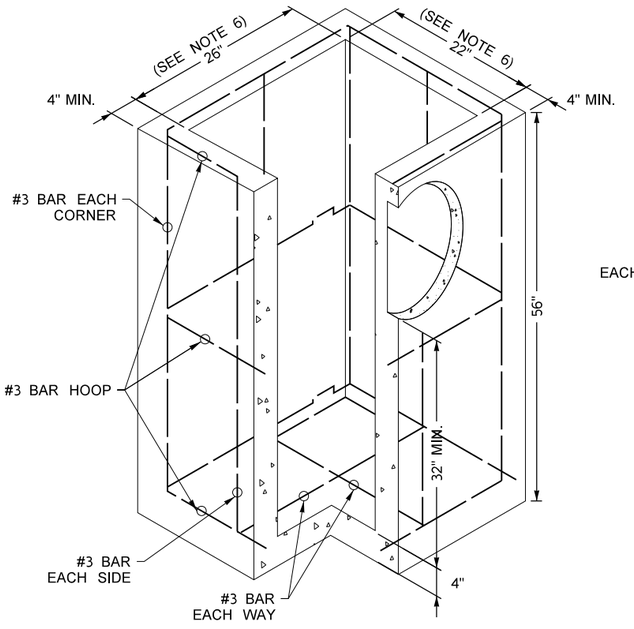
GENERAL NOTES:

1. AS ACCEPTABLE ALTERNATIVES TO THE REBAR SHOWN IN THE PRECAST BASE SECTION, FIBERS (PLACED ACCORDING TO THE STANDARD SPECIFICATIONS), OR WIRE MESH HAVING A MINIMUM AREA OF 0.12 SQUARE INCHES PER FOOT SHALL BE USED WITH THE MINIMUM REQUIRED REBAR SHOWN IN THE ALTERNATIVE PRECAST BASE SECTION. WIRE MESH SHALL NOT BE PLACED IN THE KNOCKOUTS.
2. THE KNOCKOUT DIAMETER SHALL NOT BE GREATER THAN 18". KNOCKOUTS SHALL HAVE A WALL THICKNESS OF 2" MINIMUM TO 2.5" MAXIMUM. PROVIDE A 1.5" MINIMUM GAP BETWEEN THE KNOCKOUT WALL AND THE OUTSIDE OF THE PIPE. AFTER THE PIPE IS INSTALLED, FILL THE GAP WITH JOINT MORTAR IN ACCORDANCE WITH STANDARD SPECIFICATION 9-04.3
3. THE MAXIMUM DEPTH FROM THE FINISHED GRADE TO THE LOWEST PIPE INVERT SHALL BE 5'.
4. THE FRAME AND GRATE MAY BE INSTALLED WITH THE FLANGE UP OR DOWN. THE FRAME MAY BE CAST INTO THE ADJUSTMENT SECTION.
5. THE PRECAST BASE SECTION MAY HAVE A ROUNDED FLOOR, AND THE WALLS MAY BE SLOPED AT A RATE OF 1:24 OR STEEPER.
6. THE OPENING SHALL BE MEASURED AT THE TOP OF THE PRECAST BASE SECTION.
7. ALL PICKUP HOLES SHALL BE GROUTED FULL AFTER THE BASIN HAS BEEN PLACED.

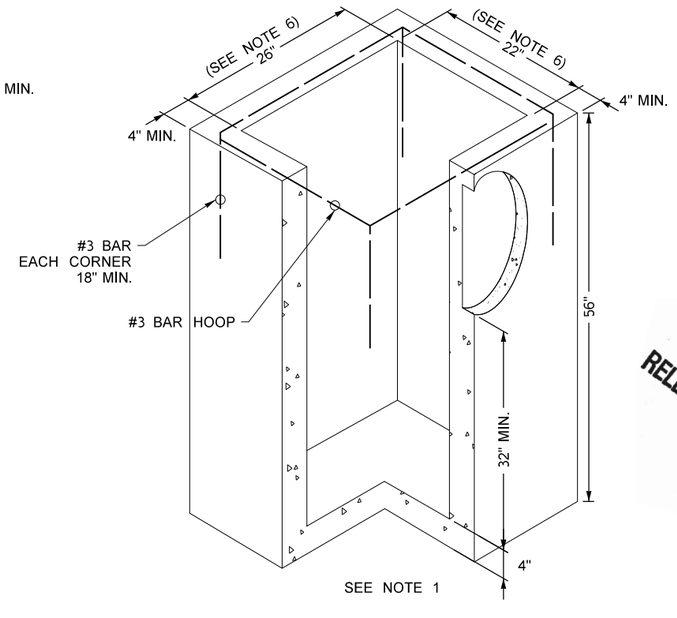
AS-BUILT



NOTE: THE FINISHED RIM ELEVATION OF THE TYPE 1P CATCH BASIN SHALL BE AT LEAST 2" LOWER THAN THE RIM ELEVATION OF THE TYPE 1 CATCH BASIN.



PRECAST BASE SECTION



ALTERNATIVE PRECAST BASE SECTION

ATKINSON
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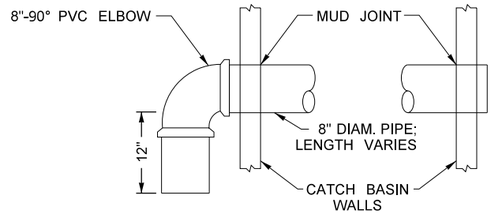

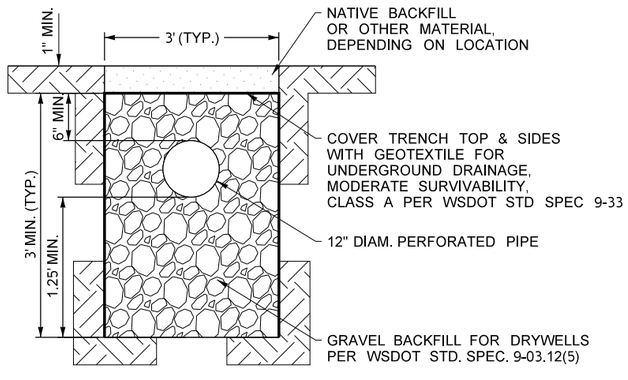

COL CATCH BASIN TYPE 1P DETAIL

CITY OF LAKEWOOD STANDARD DETAIL SW-08
N.T.S.

COL STANDARD INFILTRATION TRENCH DETAIL

CITY OF LAKEWOOD STANDARD DETAIL SW-12
N.T.S.

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DESIGNED BY	J. ZIGWEID						
ENTERED BY	A. MAILLOUX	REV 1 - RFI0286	10/28/19		CONTRACT NO. C9133		LOCATION NO.
CHECKED BY	J. ZIGWEID	REV 0 - RFC	07/08/19				
PROJ. ENGR.	C. MEADE	REV A - FINAL REVIEW	05/31/19				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFERY D. TITUS, STATE OF WASHINGTON, REGISTERED PROFESSIONAL ENGINEER, 51141
1/6/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON CONSTRUCTION / JACOBS

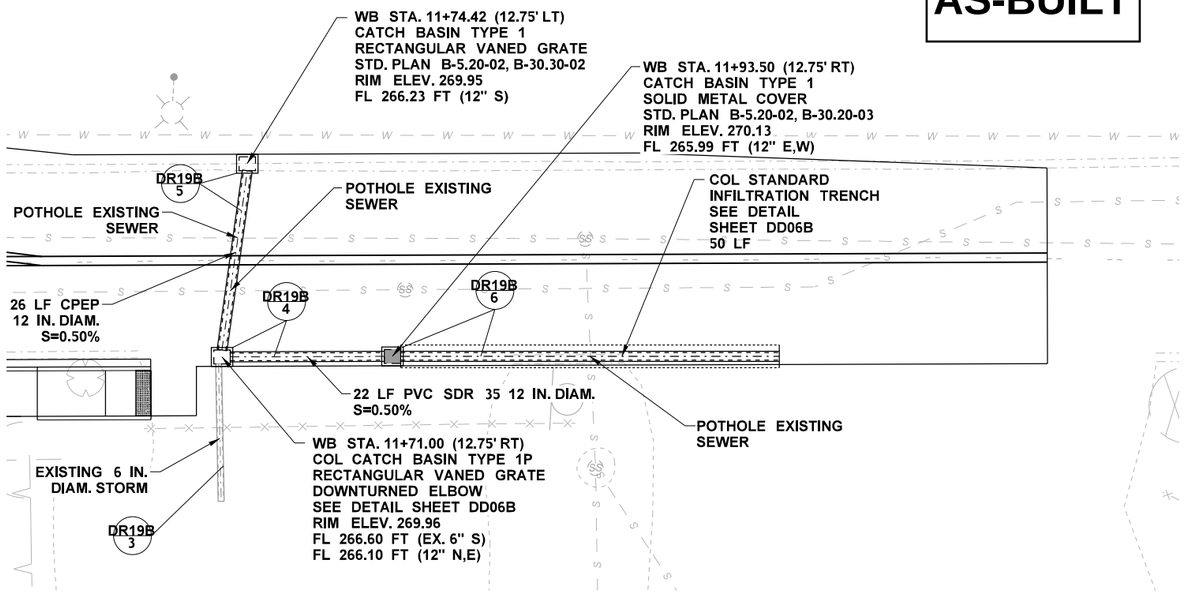
I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

CITY OF LAKEWOOD
DRAINAGE DETAILS

PLAN REF NO
DD06B

SHEET 375 OF 1456 SHEETS

AS-BUILT



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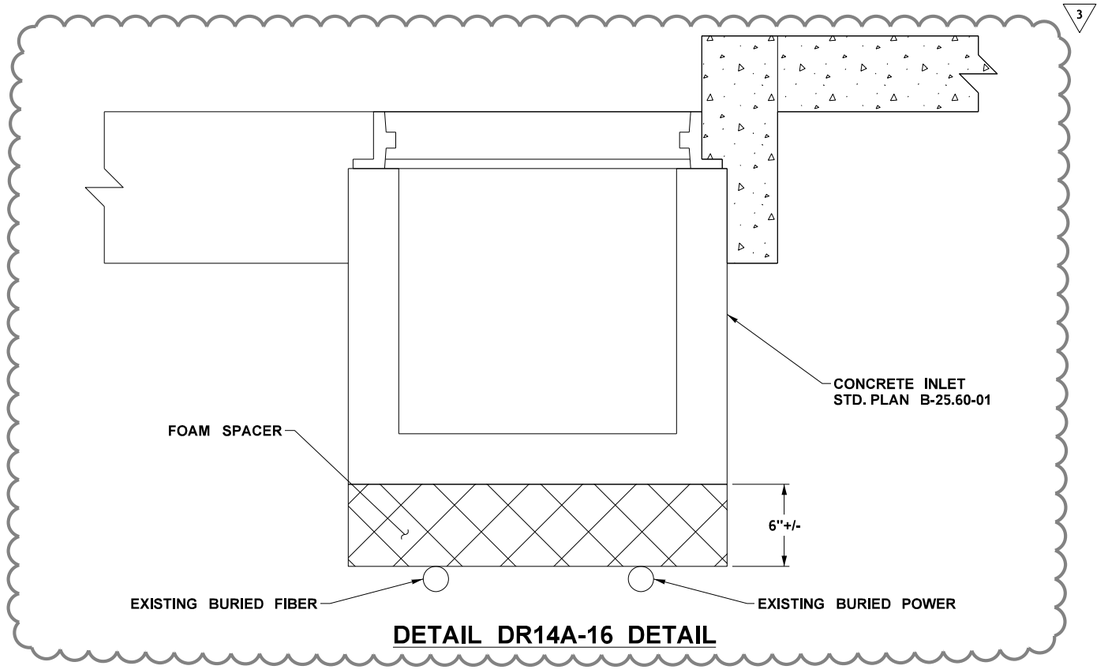
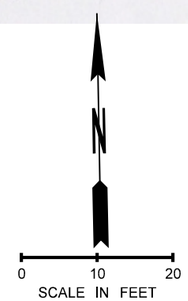


DETAIL DR14A-16 DETAIL

ATKINSON
JUN 25 2020 KTW
RELEASED FOR CONSTRUCTION



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DESIGNED BY	J. ZIGWEID	REV 2 - RFI0437	04/06/20				
ENTERED BY	A. MAILLOUX	REV 1 - RFI0363	01/03/20				
CHECKED BY	J. ZIGWEID	REV 0 - RFC	08/14/19		CONTRACT NO.	LOCATION NO.	
PROJ. ENGR.	C. MEADE	REV A - FINAL REVIEW	07/03/19		C9133		
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

STATE OF WASHINGTON — JEFFERY D. ZIGWEID — 51141 — REGISTERED PROFESSIONAL ENGINEER
6/24/20
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

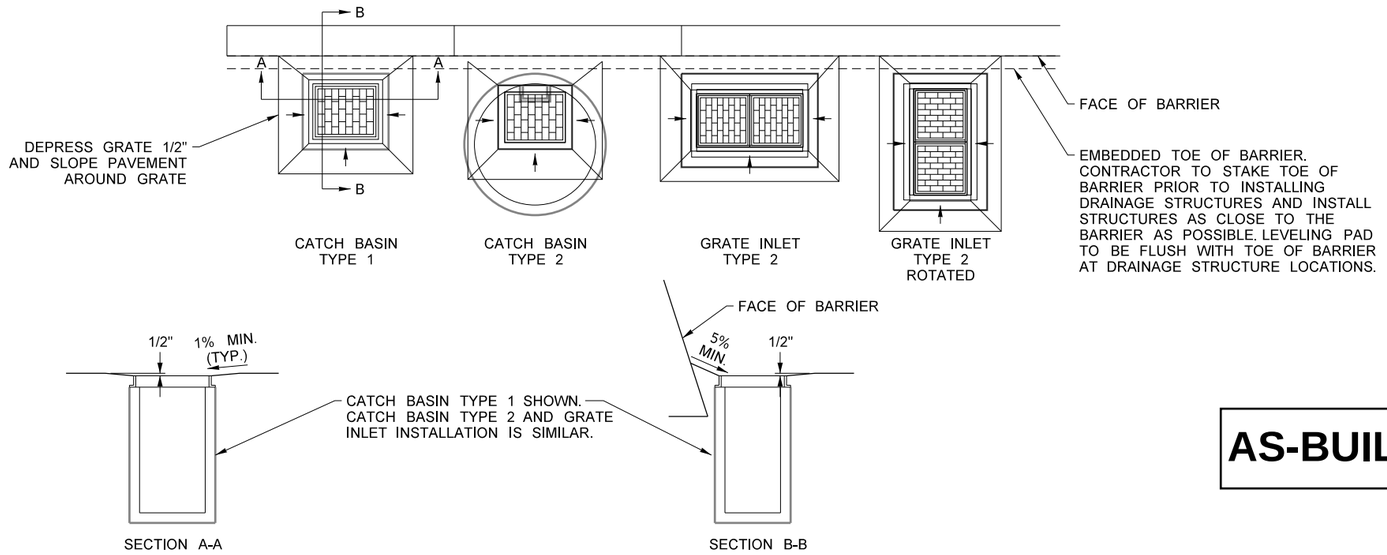
ATKINSON CONSTRUCTION / JACOBS

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

DRAINAGE DETAIL

PLAN REF NO
DD06C

SHEET
376
OF
1456
SHEETS



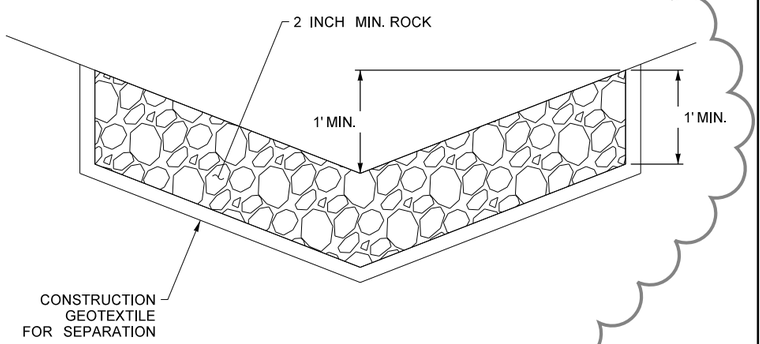
DRAINAGE STRUCTURES ADJACENT TO GRADE SEPARATED BARRIER

N.T.S.

AS-BUILT

NOTES:

1. SEE ROADWAY CROSS-SECTIONS FOR SIDE SLOPES.
2. BEGIN DITCH BXW STA. 301+40.00 (8.70' RT)
   END DITCH BXW STA. 302+90.00 (63.5' RT)



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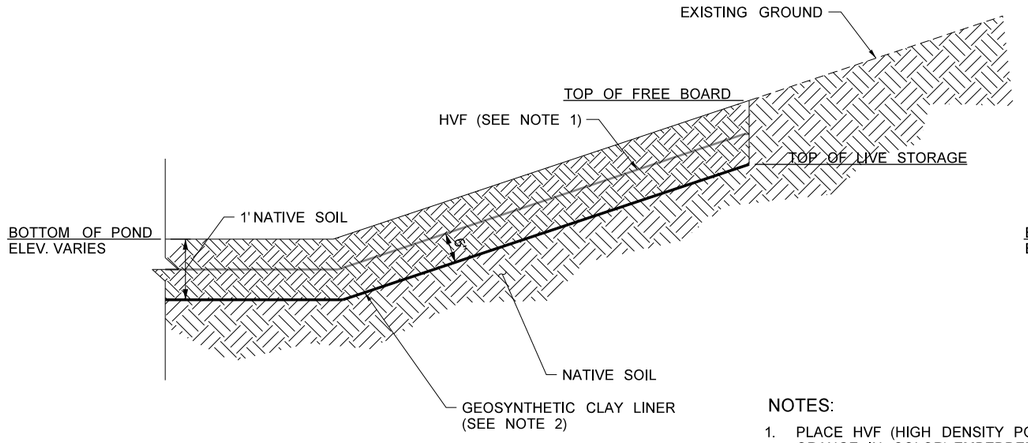
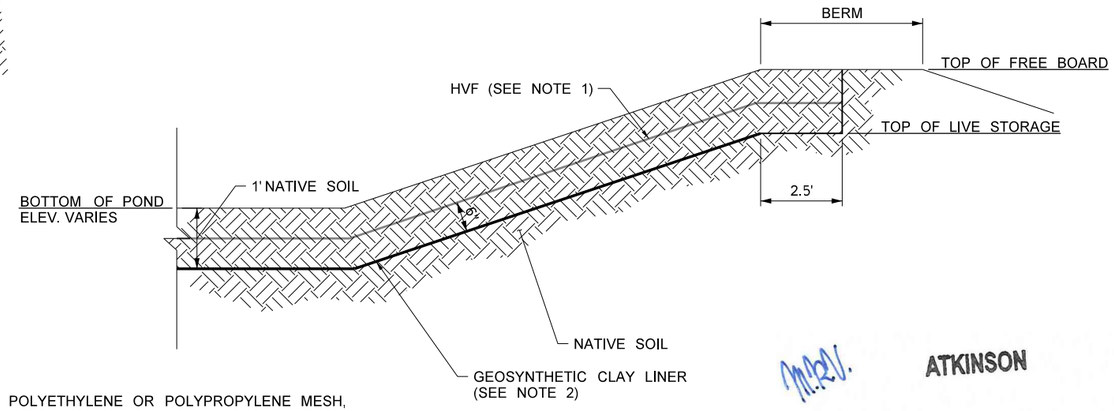
DITCH DR14-30 DETAIL

N.T.S.



CUT CONDITION



FILL CONDITION

NOTES:

1. PLACE HVF (HIGH DENSITY POLYETHYLENE OR POLYPROPYLENE MESH, ORANGE IN COLOR) EMBEDDED 6 INCHES AS A CONTINUOUS MARKER. PROVIDE 2 LAYERS OF HVF OVERLAPPING IN PERPENDICULAR DIRECTIONS.
2. GEOSYNTHETIC CLAY LINER SHALL CONSIST OF TWO LAYERS OF GEOSYNTHETICS STITCHED TOGETHER ENCLOSING A LAYER OF PROCESSED SODIUM BENTONITE CLAY. IF POSSIBLE, USE LAYERS OF CONTRASTING COLOR. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

ATKINSON

JUL 02 2019

RELEASED FOR CONSTRUCTION

GEOSYNTHETIC CLAY POND LINER DETAIL

N.T.S.

FILE NAME	c:\pwworking\jacobs_b&i\ex-mailloa\dms20633\DE_DD07.dgn						
TIME	9:56:08 AM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	7/1/2019						
PLOTTED BY	AndrewM				JOB NUMBER		
DESIGNED BY	J. ZIGWEID	REV 2 - RFI0138	07/01/19				
ENTERED BY	J. ZIGWEID	REV 1 - RFC	04/17/19				
CHECKED BY	S. MESIC	REV 0 - RFC	02/25/19		CONTRACT NO. C9133		LOCATION NO.
PROJ. ENGR.	C. MEADE	REV A - FINAL REVIEW	01/25/19				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID, 31141, REGISTERED PROFESSIONAL ENGINEER, STATE OF WASHINGTON
7/1/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

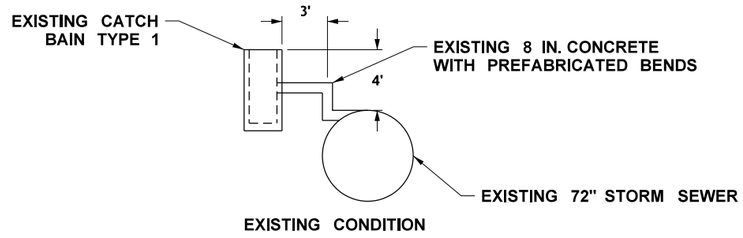
ATKINSON CONSTRUCTION / JACOBS

I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

DRAINAGE DETAILS

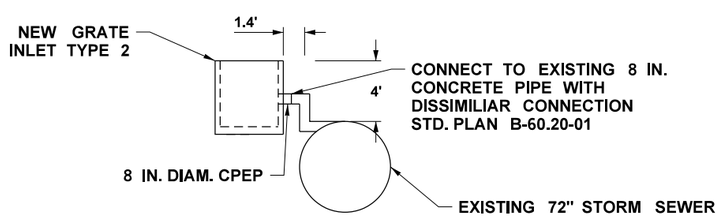
PLAN REF NO DD07

SHEET 377 OF 1456 SHEETS

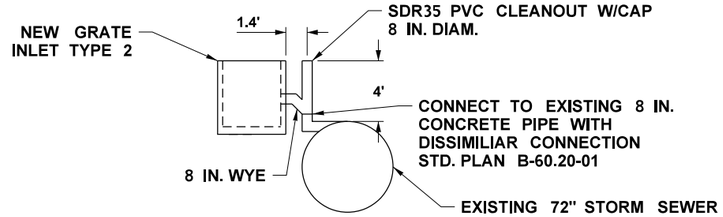


EXISTING CONDITION

AS-BUILT



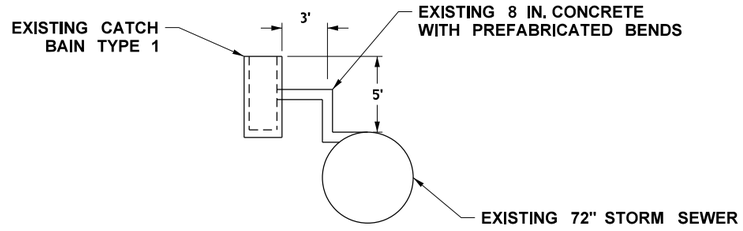
NEW CONNECTION OPTION 1



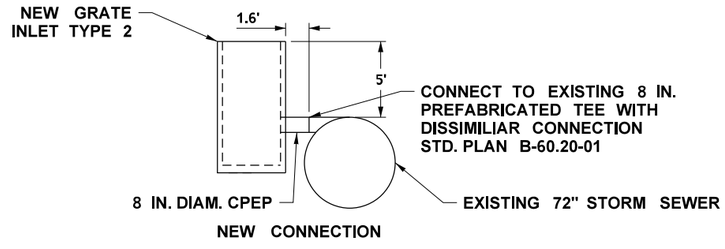
NEW CONNECTION OPTION 2

DR02-3 CONNECTION

N.T.S.



EXISTING CONDITION



NEW CONNECTION

DR02-4 CONNECTION

N.T.S.

ATKINSON

APR 08 2019

RELEASED FOR CONSTRUCTION

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TIME	2:34:49 PM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.	
DATE	4/5/2019							
PLOTTED BY	AndrewM							
DESIGNED BY	J. ZIGWEID				JOB NUMBER			
ENTERED BY	A. MAILLOUX							
CHECKED BY	J. ZIGWEID				CONTRACT NO. C9133		LOCATION NO.	
PROJ. ENGR.	C. MEADE	REV 0 - RFI0074	04/05/19					
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY				

JEFFREY D. ZIGWEID, STATE OF WASHINGTON, 31142, REGISTERED PROFESSIONAL ENGINEER

04/05/19
DATE
P.E. STAMP BOX

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P.E. STAMP BOX

Washington State Department of Transportation

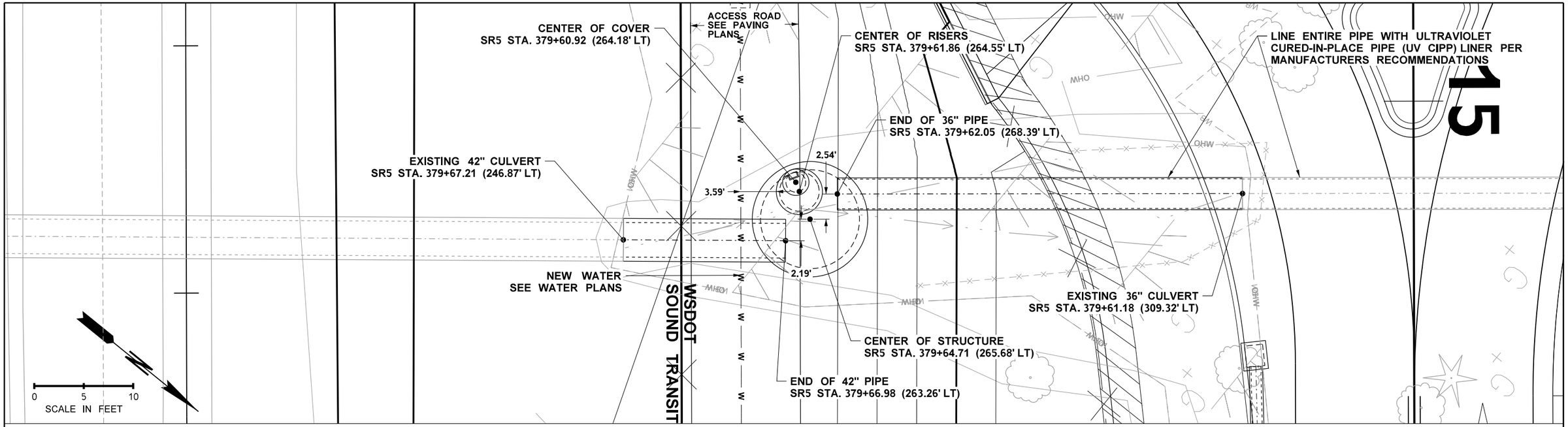
ATKINSON / JACOBS CONSTRUCTION

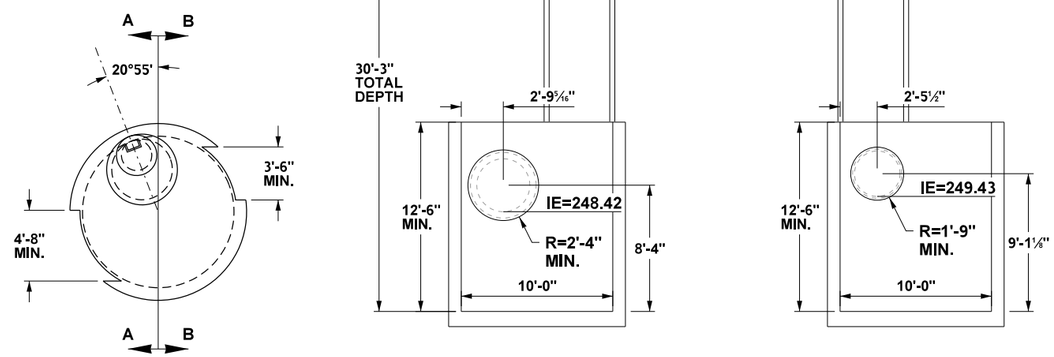
I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

DRAINAGE DETAILS

PLAN REF NO DD08

SHEET 378 OF 1456 SHEETS





PLAN

SECTION A-A

SECTION B-B

AS-BUILT

ATKINSON
JUN 18 2019
RELEASED FOR CONSTRUCTION

NOTE:
KNOCKOUT DIMENSIONS ARE APPROXIMATE. FINAL DIMENSIONS INCLUDING WALL AND BOTTOM THICKNESS TO BE DESIGNED BY MANUFACTURER. PROVIDE MIN. 1.5" BETWEEN KNOCKOUT AND PIPE FOR GROUT.

120" MANHOLE TYPE 2 DETAIL

N.T.S.

FILE NAME	c:\pwworking\jacobs_b&i\pw-zigweijd\dms20633\DE_DD09.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	10:33:33 AM						
DATE	6/17/2019				JOB NUMBER		
PLOTTED BY	JeffZ						
DESIGNED BY	J. ZIGWEID						
ENTERED BY	A. MAILLOUX	REV 0 - RFC	06/14/19		CONTRACT NO. C9133		LOCATION NO.
CHECKED BY	J. ZIGWEID	REV B - FINAL REVIEW	06/13/19				
PROJ. ENGR.	C. MEADE	REV A - PRELIMINARY REVIEW	04/29/19				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 21141 — REGISTERED PROFESSIONAL ENGINEER — 6/17/19

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

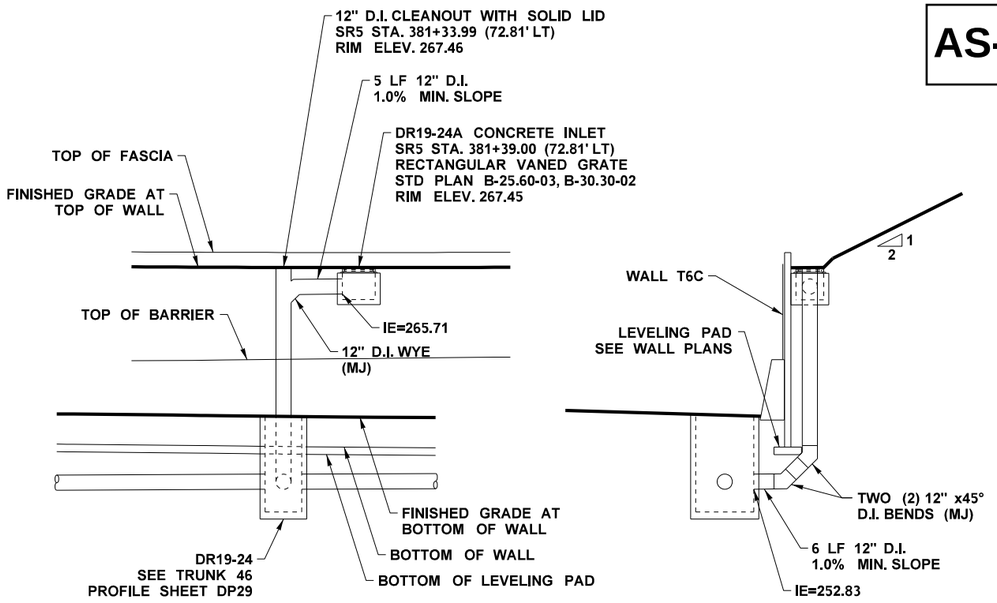
I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

STREAM 1 CULVERT EXTENSION DETAIL

PLAN REF NO DD09

SHEET 379 OF 1456 SHEETS

AS-BUILT



WALL T6C DOWNSPOUT (DR19-24A) DETAIL

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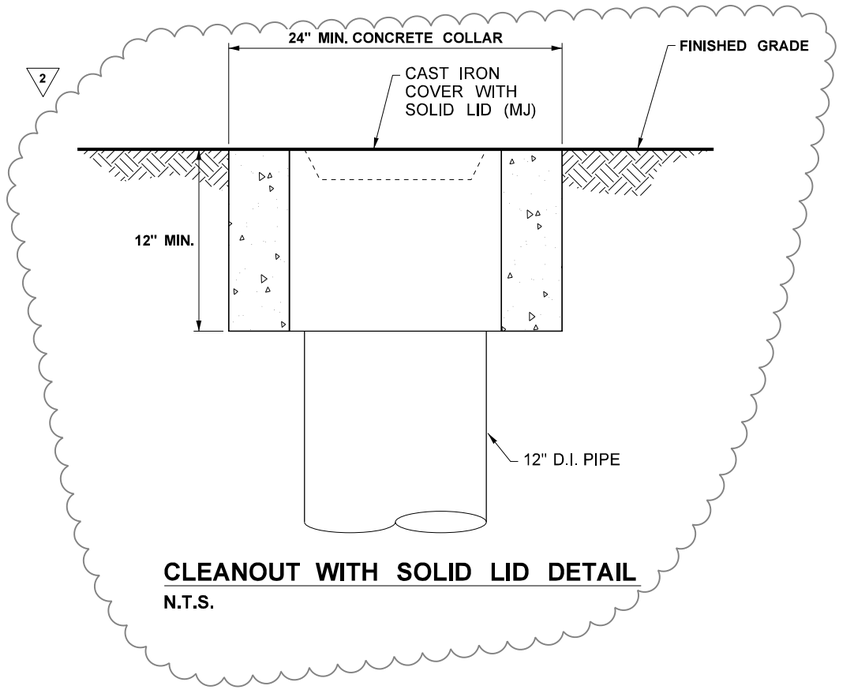

CLEANOUT WITH SOLID LID DETAIL

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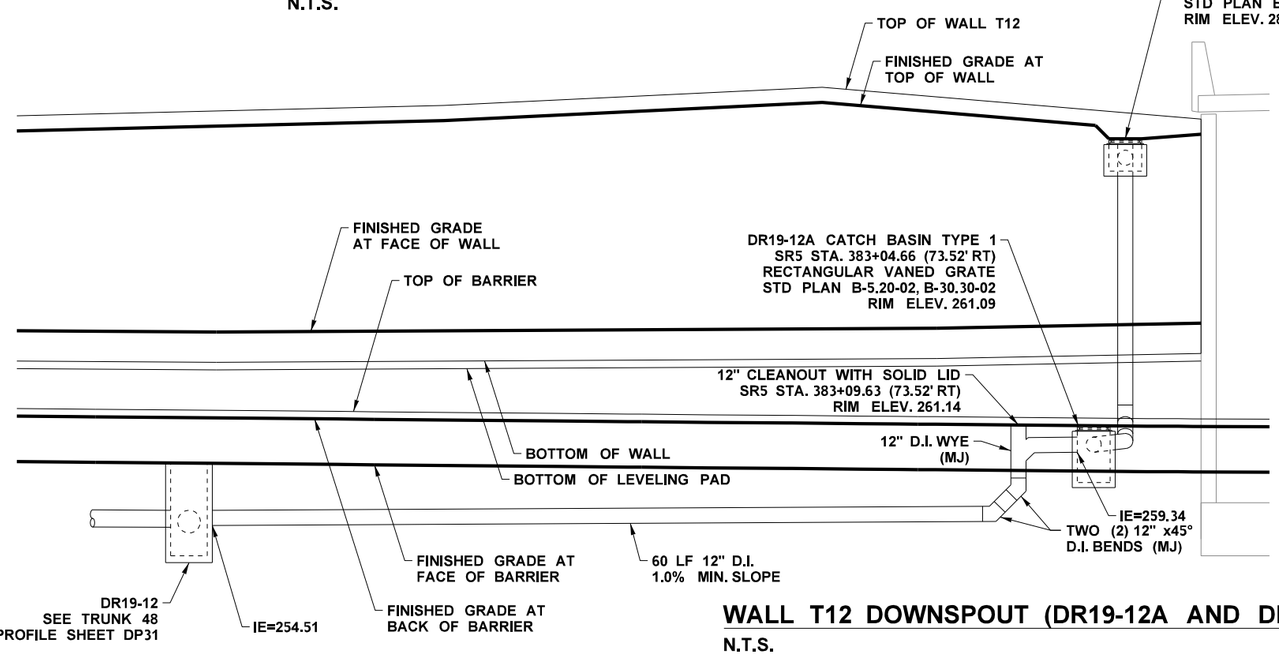

WALL T12 DOWNSPOUT (DR19-12A AND DR19-12B) DETAIL

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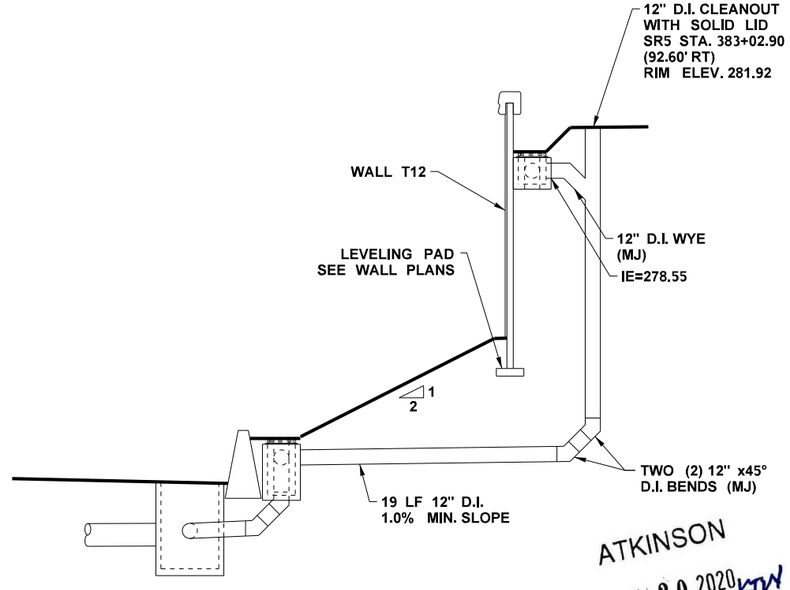

ATKINSON
JUL 20 2020 KTW
RELEASED FOR CONSTRUCTION

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TIME	9:10:58 AM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	1/15/2020						
PLOTTED BY	JeffZ				JOB NUMBER		
DESIGNED BY	J. ZIGWEID	REV 2 - RFI0362	01/15/20				
ENTERED BY	A. MAILLOUX	REV 1 - RFI0221	09/23/19				
CHECKED BY	J. ZIGWEID	REV 0 - RFC	08/14/19		CONTRACT NO. C9133	LOCATION NO.	
PROJ. ENGR.	C. MEADE	REV A - FINAL REVIEW	07/03/19				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 21141 — REGISTERED PROFESSIONAL ENGINEER
1/15/20 DATE
P.E. STAMP BOX

DATE
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Washington State Department of Transportation

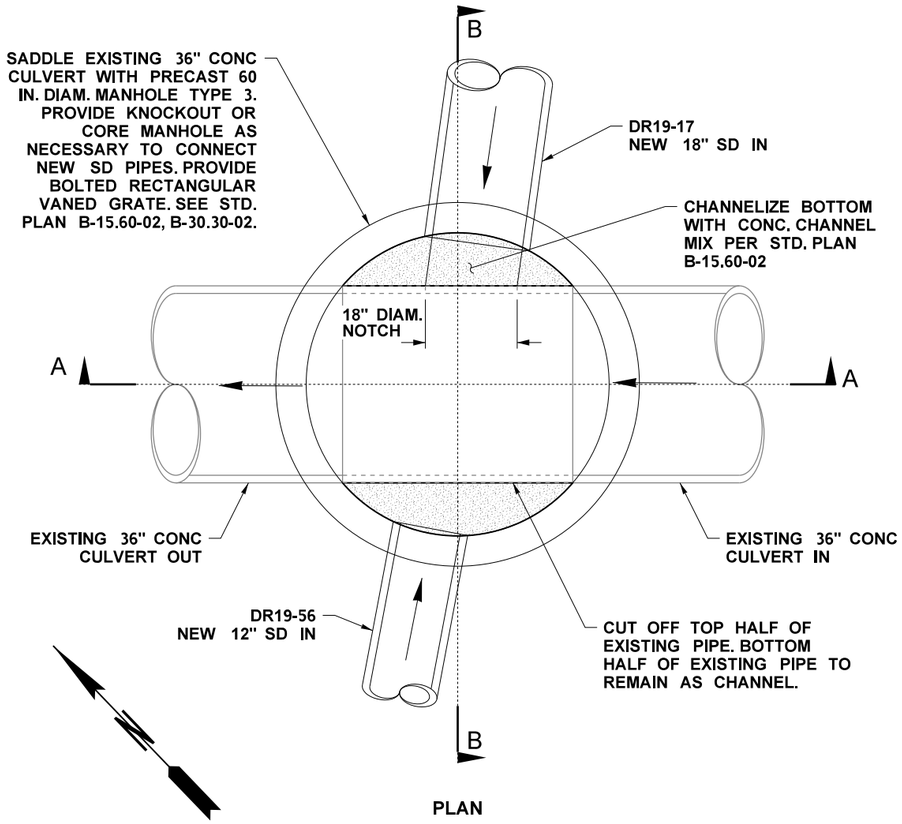
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

DRAINAGE DETAILS

PLAN REF NO DD10

SHEET 380 OF 1456 SHEETS

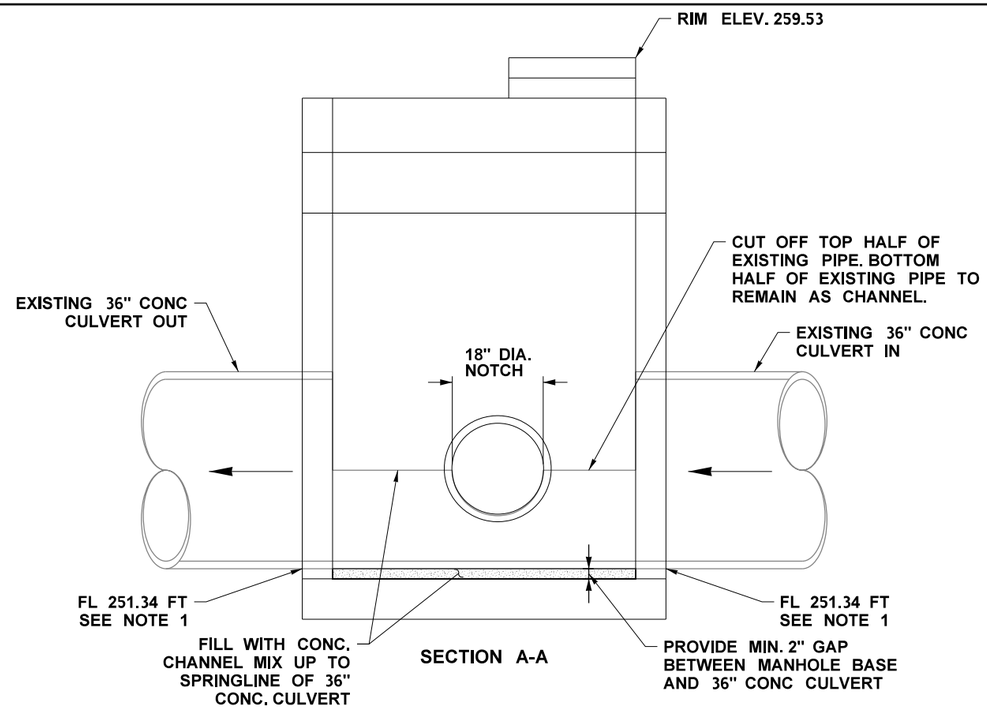


PLAN

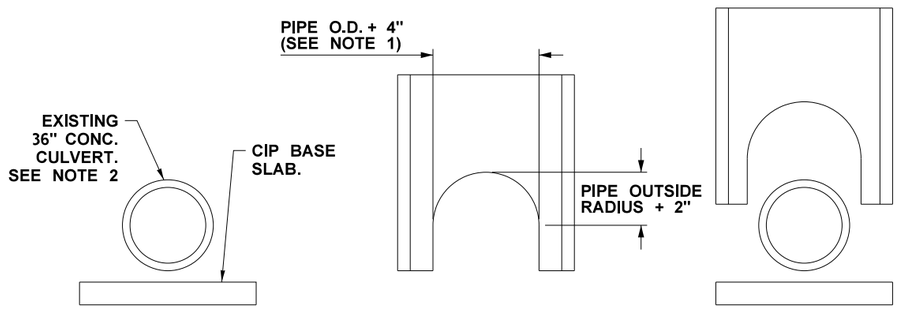
NOTES:

1. VERIFY LOCATION AND OUTSIDE DIAMETER OF EXISTING 36" CULVERT.
2. SET MANHOLE BASE MIN. 2" BELOW MIN. PIPE ELEVATION.
3. MANHOLE SHALL MEET ALL REQUIREMENTS OF STD. SPEC 7-05.
4. PROVIDE STEPS OR LADDER PER STD. PLAN B-15.60-02.

AS-BUILT



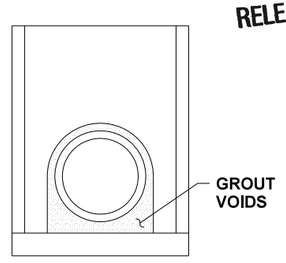
SECTION A-A



STEP 1: SUPPORT EX. 36" PIPE AND CAST BOTTOM SLAB UNDER PIPES.

STEP 2: PRECAST OR OR KNOCKOUTS IN HANHOLE FOR PIPE CONNECTIONS

STEP 3: SADDLE MANHOLE OVER PIPES.



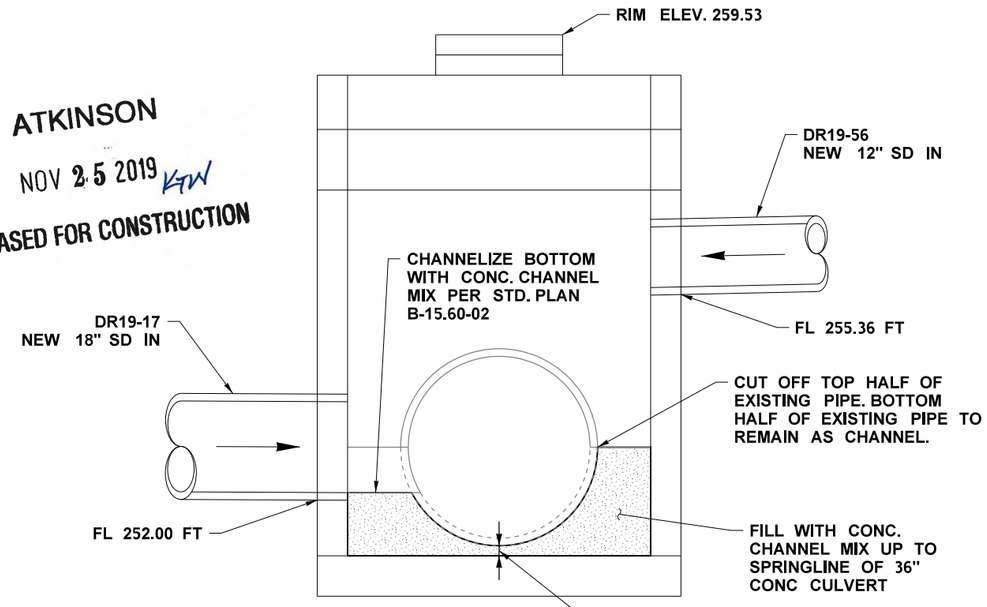
STEP 4: SEAL PIPE CONNECTIONS WITH GROUT.

TYPICAL PIPE CONNECTION AND CONSTRUCTION SEQUENCE

ATKINSON

NOV 25 2019 KW

RELEASED FOR CONSTRUCTION



SECTION B-B

SADDLE MANHOLE DETAIL DR19-18

N.T.S.

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TIME	9:51:51 AM						
DATE	11/21/2019				JOB NUMBER		
PLOTTED BY	JeffZ						
DESIGNED BY	J. ZIGWEID						
ENTERED BY	A. MAILLOUX				CONTRACT NO. C9133		LOCATION NO.
CHECKED BY	J. ZIGWEID						
PROJ. ENGR.	C. MEADE	REV 0 - RFI0284	11/21/19				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 21648 — REGISTERED PROFESSIONAL ENGINEER

11/22/19
DATE
P.E. STAMP BOX

DATE
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Washington State Department of Transportation

ATKINSON CONSTRUCTION / JACOBS

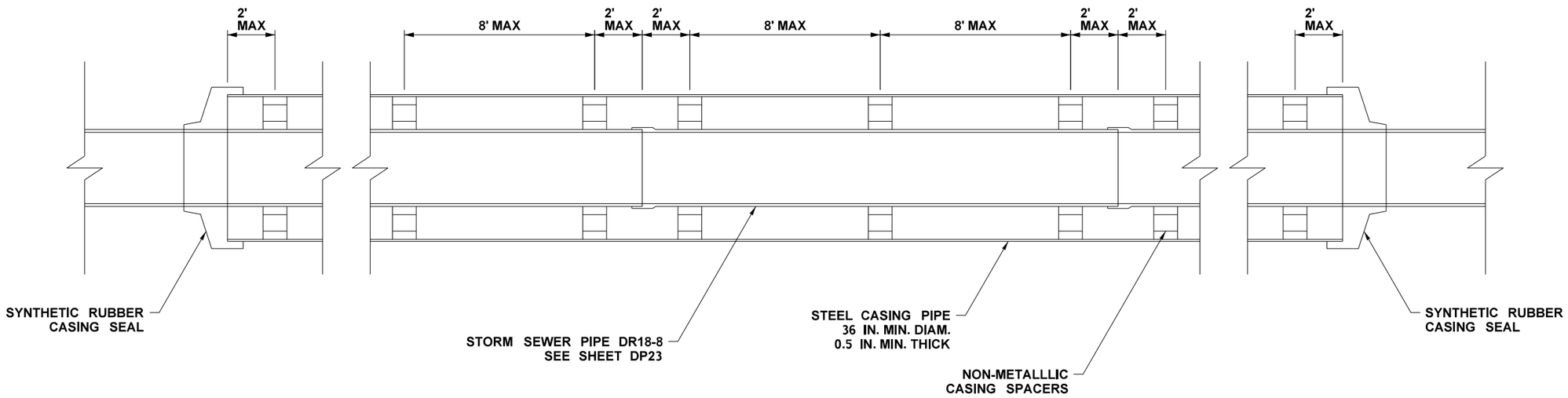
I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

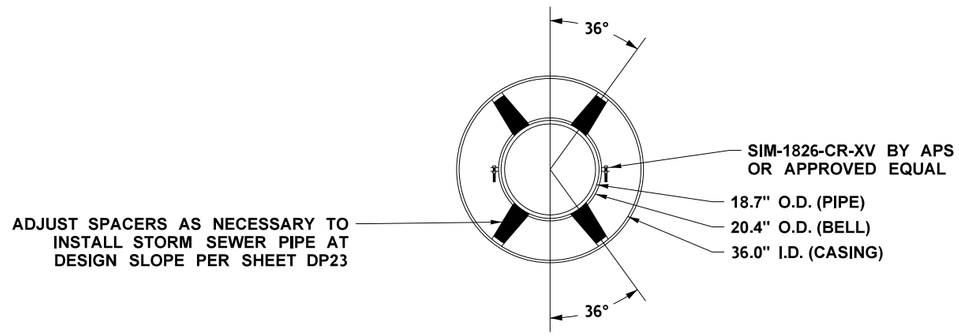
DRAINAGE DETAILS

PLAN REF NO DD11

SHEET 381 OF 1456 SHEETS

AS-BUILT





ATKINSON

DEC 06 2019 KTW

RELEASED FOR CONSTRUCTION

NOTES:

1. ALL WORK WITHIN STATE ROW SHALL BE IN ACCORDANCE WITH CURRENT WSDOT STANDARD SPECIFICATIONS.

2. LENGTH OF CASING TO BE DETERMINED BASED ON FIELD CONDITIONS. INSTALL 18" STORM SEWER PIPE IN STEEL CASING UNDER EXISTING ROADWAY.

FILE NAME	c:\pwworking\jacobs_b&i\pw-zigweijd\dms20633\DE_DD12.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	9:24:12 AM						
DATE	12/4/2019						
PLOTTED BY	JeffZ				JOB NUMBER		
DESIGNED BY	J. ZIGWEID						
ENTERED BY	A. MAILLOUX						
CHECKED BY	J. ZIGWEID				CONTRACT NO. C9133		LOCATION NO.
PROJ. ENGR.	C. MEADE	REV 0 - RFI0321	12/04/19				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER

12/4/19
DATE
P.E. STAMP BOX

DATE
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Washington State Department of Transportation

ATKINSON CONSTRUCTION / JACOBS

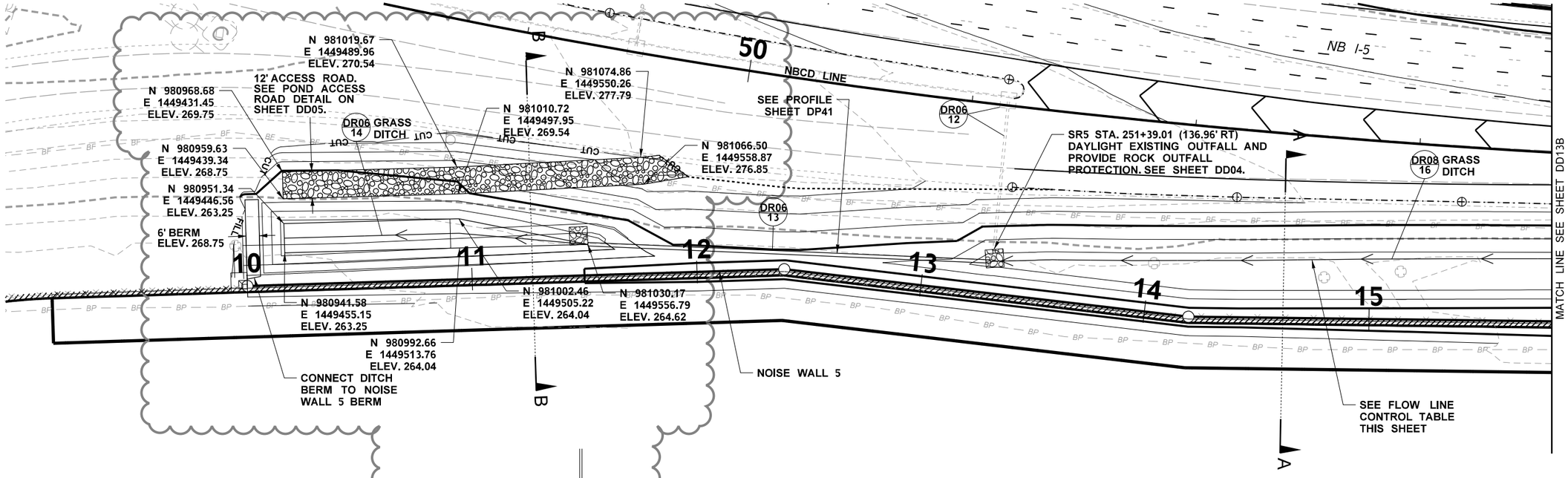
I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

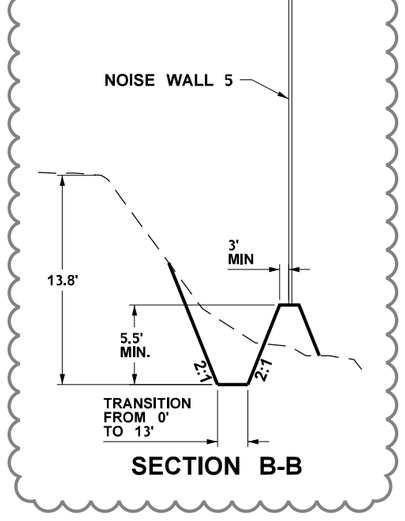
DRAINAGE DETAILS

PLAN REF NO
DD12

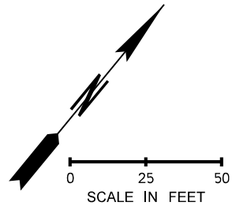
SHEET
382
OF
1456
SHEETS

AS-BUILT





SECTION B-B

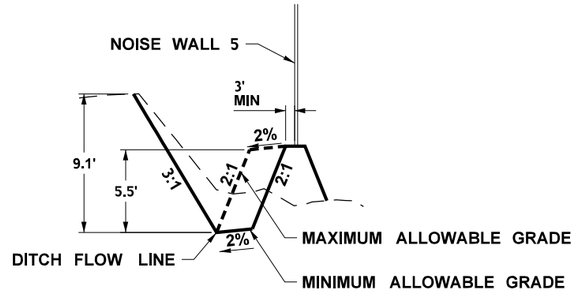


NOTE:

1. GRADING CONTOURS SHOWN ARE THE MINIMUM ALLOWABLE GRADE. THE CONTRACTOR HAS THE OPTION TO RAISE THE GRADE UP TO THE MAXIMUM ALLOWABLE GRADE SHOWN IN SECTION A-A.

DITCH DR08-16 FLOW LINE CONTROL TABLE

SR5 STA.	OFFSET	ELEVATION
252+00	133.30' RT	264.87
253+00	120.23' RT	264.97
254+00	108.88' RT	265.07
255+00	100.37' RT	265.18
256+00	93.78' RT	265.28
257+00	88.34' RT	265.38
258+00	82.11' RT	265.48
259+00	76.02' RT	265.58
260+00	73.06' RT	265.68
261+00	70.11' RT	265.78
262+00	68.41' RT	265.91
263+00	66.41' RT	266.06
264+00	65.00' RT	266.38
265+00	65.00' RT	266.41



SECTION A-A
SR5 252+63

ATKINSON
SEP 25 2020 KTN
RELEASED FOR CONSTRUCTION

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TIME	4:26:45 PM				10	WASH	
DATE	9/23/2020				JOB NUMBER		
PLOTTED BY	tiffanyh						
DESIGNED BY	J. ZIGWEID						
ENTERED BY	A. MAILLOUX						
CHECKED BY	J. ZIGWEID	REV 1 - RFI0553	9/25/20		CONTRACT NO.	LOCATION NO.	
PROJ. ENGR.	C. MEADE	REV 0 - RFI0453	4/12/20		C9133		
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

PETER D. ZIGWEID — STATE OF WASHINGTON — 21547 — REGISTERED PROFESSIONAL ENGINEER
9/25/20
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

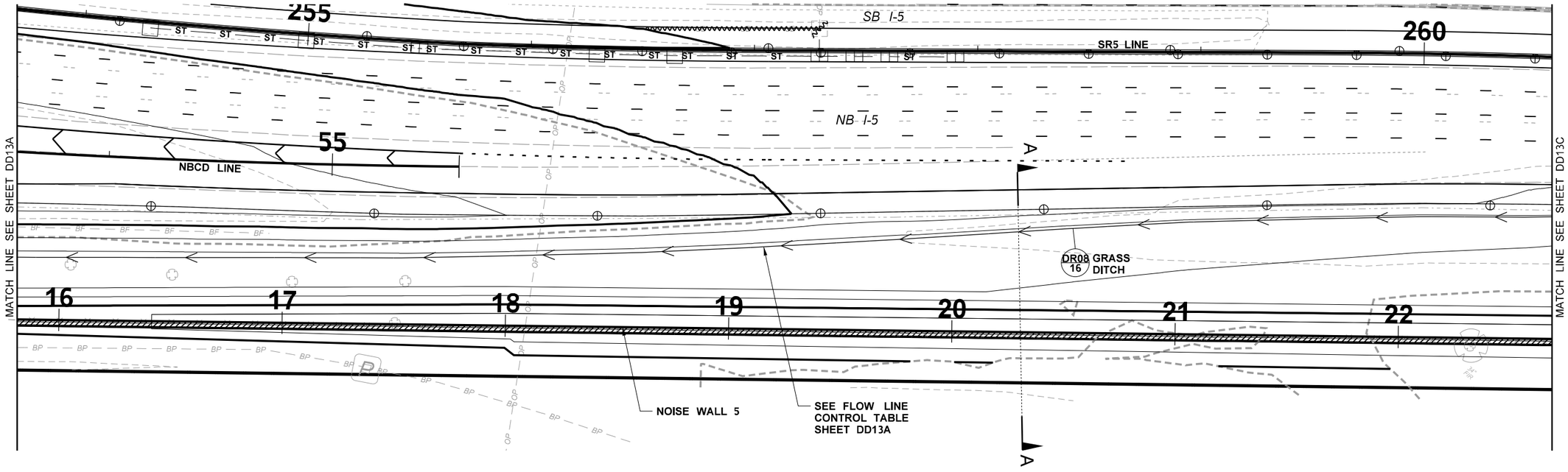
I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

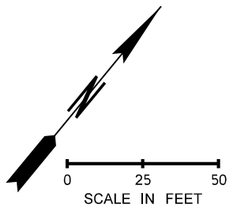
DITCH GRADING DETAIL
NOISE WALL 5

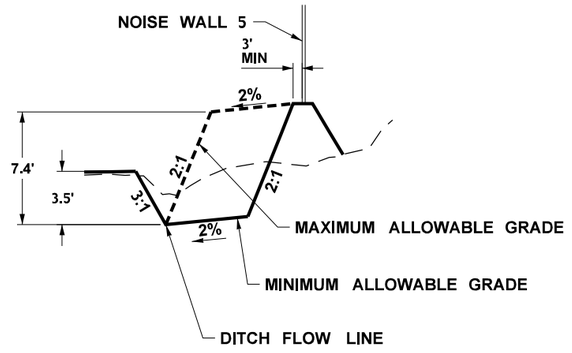
PLAN REF NO
DD13A

SHEET 383 OF 1456 SHEETS

AS-BUILT







SECTION A-A
SR5 258+19

NOTE:

1. GRADING CONTOURS SHOWN ARE THE MINIMUM ALLOWABLE GRADE. THE CONTRACTOR HAS THE OPTION TO RAISE THE GRADE UP TO THE MAXIMUM ALLOWABLE GRADE SHOWN IN SECTION A-A.

ATKINSON
APR 21 2020 KAW
RELEASED FOR CONSTRUCTION

FILE NAME	c:\pwworking\jacobs_b&I\pw-zlgweljd\dms20633\DE_DD13B.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	2:30:43 PM				10	WASH	
DATE	4/9/2020				JOB NUMBER		
PLOTTED BY	JeffZ						
DESIGNED BY	J. ZIGWEID				CONTRACT NO.		LOCATION NO.
ENTERED BY	A. MAILLOUX				C9133		
CHECKED BY	J. ZIGWEID						
PROJ. ENGR.	C. MEADE	REV 0 - RFI0453	4/12/20				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFERY D. ZIGWEID — STATE OF WASHINGTON — 21111 — REGISTERED PROFESSIONAL ENGINEER
4/10/20
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

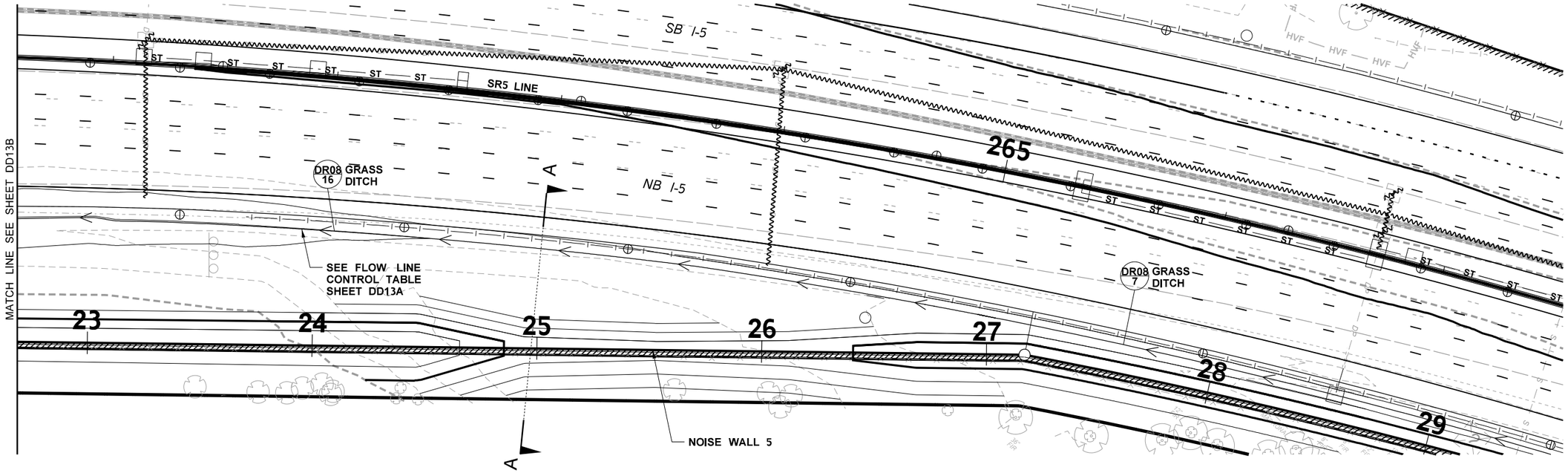
I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

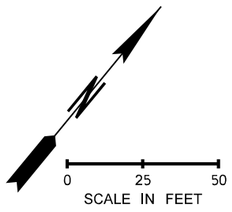
DITCH GRADING DETAIL
NOISE WALL 5

PLAN REF NO
DD13B

SHEET
384
OF
1456
SHEETS

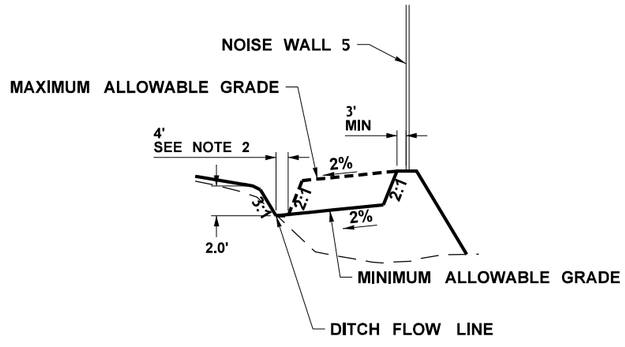
AS-BUILT





NOTES:

1. GRADING CONTOURS SHOWN ARE THE MINIMUM ALLOWABLE GRADE. THE CONTRACTOR HAS THE OPTION TO RAISE THE GRADE UP TO THE MAXIMUM ALLOWABLE GRADE SHOWN IN SECTION A-A.
2. IN AREAS WHERE THE DITCH FLOW LINE IS LESS THAN 3' BELOW THE EDGE OF PAVEMENT AND THE FINISHED GRADE IS HIGHER THAN THE MINIMUM ALLOWABLE GRADE PROVIDE A 4' FLAT BOTTOM DITCH.



SECTION A-A
SR5 262+99

ATKINSON
APR 21 2020 KAW
RELEASED FOR CONSTRUCTION

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DATE	4/9/2020				JOB NUMBER		
PLOTTED BY	JeffZ						
DESIGNED BY	J. ZIGWEID				CONTRACT NO.		LOCATION NO.
ENTERED BY	A. MAILLOUX				C9133		
CHECKED BY	J. ZIGWEID						
PROJ. ENGR.	C. MEADE	REV 0 - RFI0453	4/12/20				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFERY D. ZIGWEID — STATE OF WASHINGTON — 21111 — REGISTERED PROFESSIONAL ENGINEER
4/10/20
P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

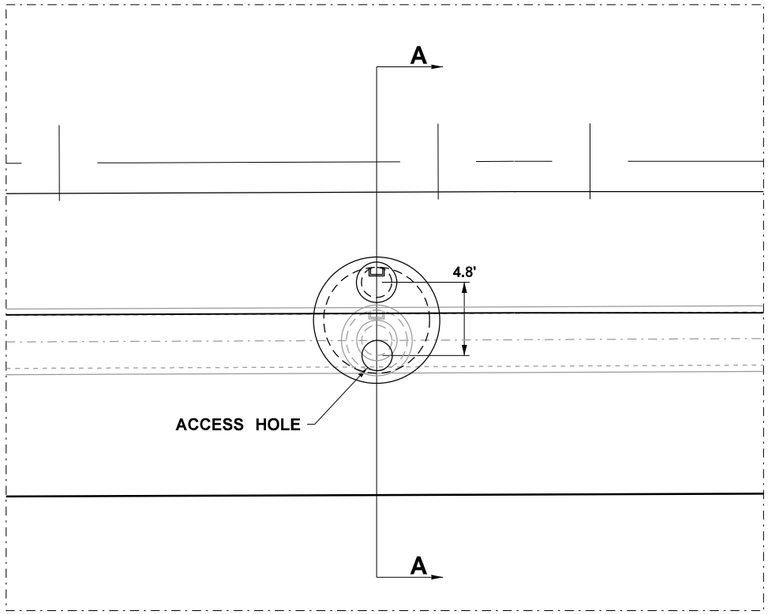
DITCH GRADING DETAIL
NOISE WALL 5

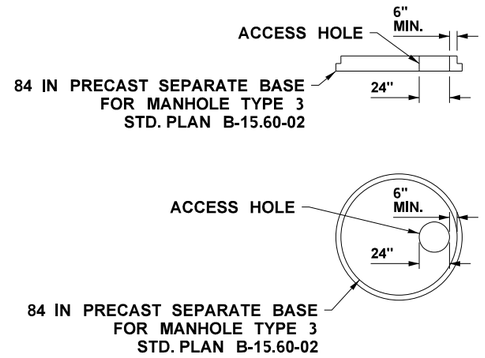
PLAN REF NO
DD13C

SHEET 385 OF 1456 SHEETS

EXISTING MANHOLE DR21-13 MLMX1 STA. 427+98.22 (1.79' RT)

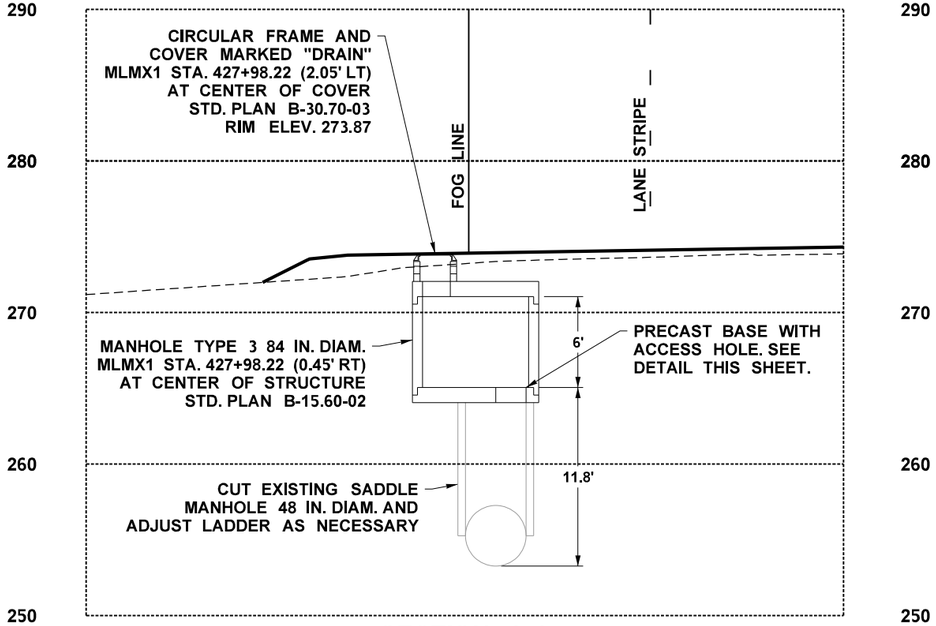
AS-BUILT





PRECAST BASE WITH ACCESS HOLE

N.T.S.



SECTION A-A

ATKINSON
MAY 26 2021 KTW
RELEASED FOR CONSTRUCTION

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TIME	10:16:52 AM						
DATE	5/13/2021				JOB NUMBER		
PLOTTED BY	jeffz						
DESIGNED BY	J. ZIGWEID						
ENTERED BY	A. MAILLOUX				CONTRACT NO. C9133		LOCATION NO.
CHECKED BY	J. ZIGWEID						
PROJ. ENGR.	C. MEADE	REV 0 - RFI0614	05/13/21				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFERY D. ZIGWEID — STATE OF WASHINGTON — 5141 — REGISTERED PROFESSIONAL ENGINEER
5/13/21
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

DRAINAGE DETALS

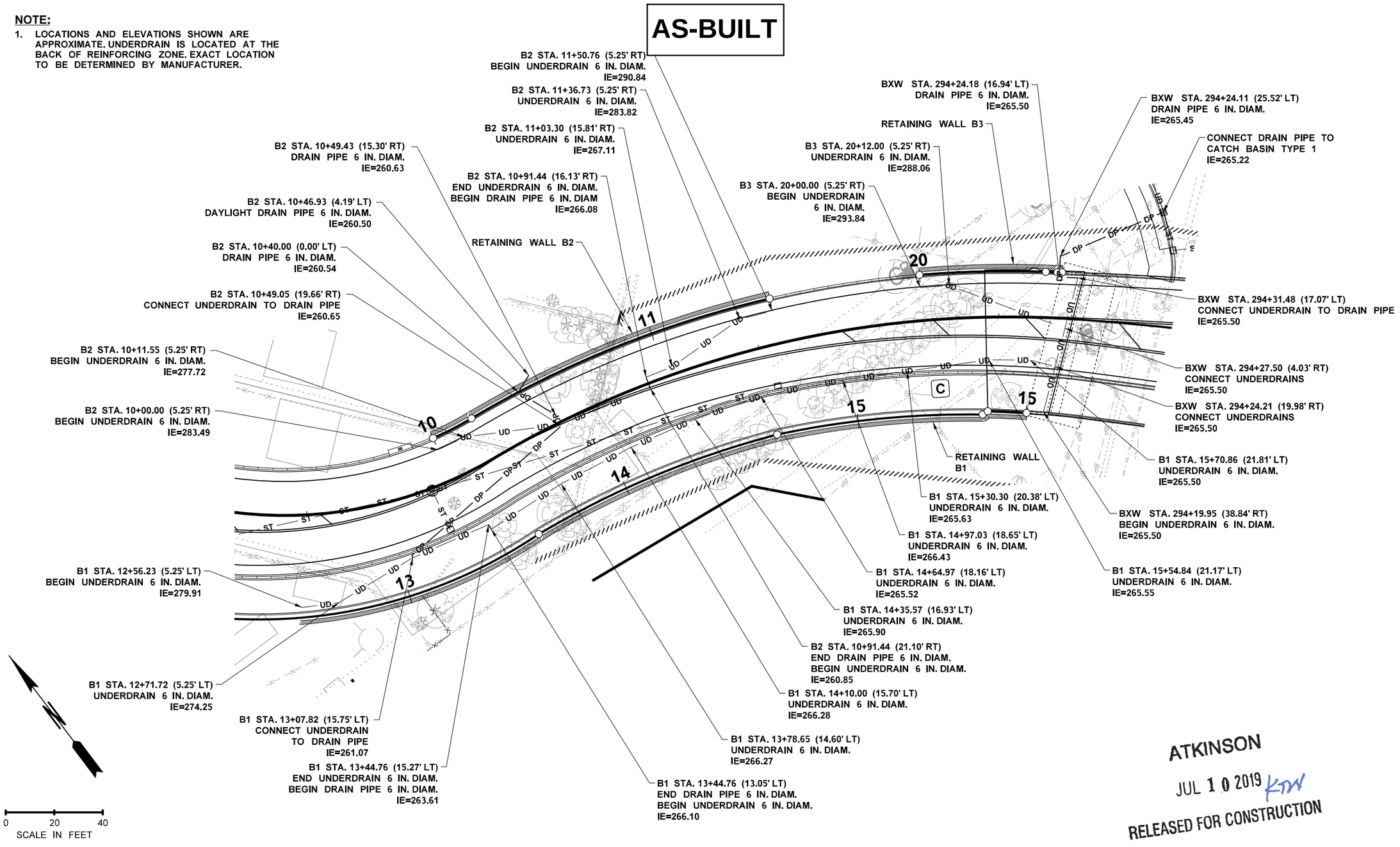
PLAN REF NO DD14

SHEET 386 OF 1456 SHEETS

NOTE:

1. LOCATIONS AND ELEVATIONS SHOWN ARE APPROXIMATE. UNDERDRAIN IS LOCATED AT THE BACK OF REINFORCING ZONE. EXACT LOCATION TO BE DETERMINED BY MANUFACTURER.

AS-BUILT



ATKINSON

JUL 10 2019 KTW

RELEASED FOR CONSTRUCTION

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TIME	9:17:28 AM						
DATE	7/8/2019				JOB NUMBER		
PLOTTED BY	JeffZ						
DESIGNED BY	J. ZIGWEID						
ENTERED BY	A. MAILLOUX				CONTRACT NO. C9133	LOCATION NO.	
CHECKED BY	J. ZIGWEID	REV 0 - RFC	07/08/19				
PROJ. ENGR.	C. MEADE	REV A - FINAL REVIEW	05/31/19				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER

7/10/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

RETAINING WALLS B1, B2, B3
UNDERDRAIN PLAN

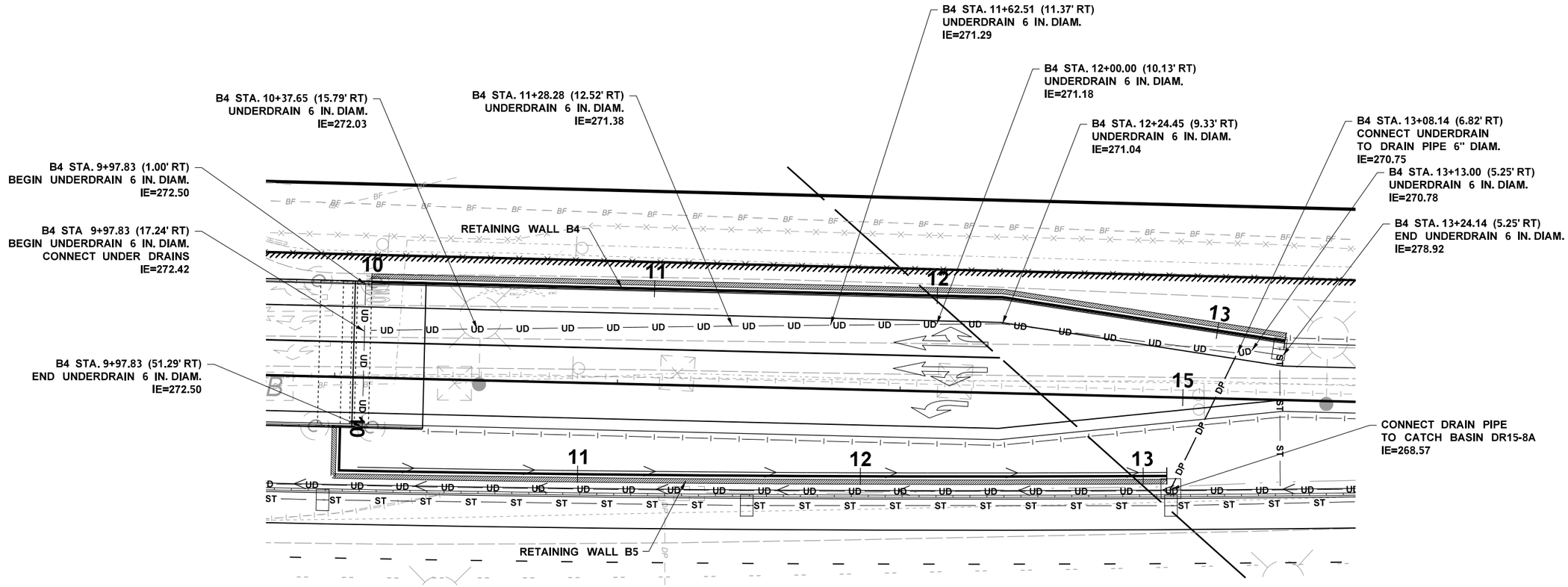
PLAN REF NO
DD20

SHEET 387 OF 1456 SHEETS

NOTE:

1. LOCATIONS AND ELEVATIONS SHOWN ARE APPROXIMATE. UNDERDRAIN IS LOCATED AT THE BACK OF REINFORCING ZONE. EXACT LOCATION TO BE DETERMINED BY MANUFACTURER.

AS-BUILT



ATKINSON

APR 22 2019

RELEASED FOR CONSTRUCTION

0 20 40

SCALE IN FEET

FILE NAME	c:\pwworking\jacobs_b&i\ex-mailloa\dms20633\DE_DD21.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	2:32:25 PM				JOB NUMBER		
DATE	4/17/2019						
PLOTTED BY	AndrewM						
DESIGNED BY	J. ZIGWEID						
ENTERED BY	G. RIMANDO						
CHECKED BY	J. ZIGWEID	REV 0 - RFC	04/17/19		CONTRACT NO. C9133		LOCATION NO.
PROJ. ENGR.	C. MEADE	REV A - FINAL REVIEW	03/01/19				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFERY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER

04/17/19
DATE
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DATE
P.E. STAMP BOX

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ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

RETAINING WALL B4
UNDERDRAIN PLAN

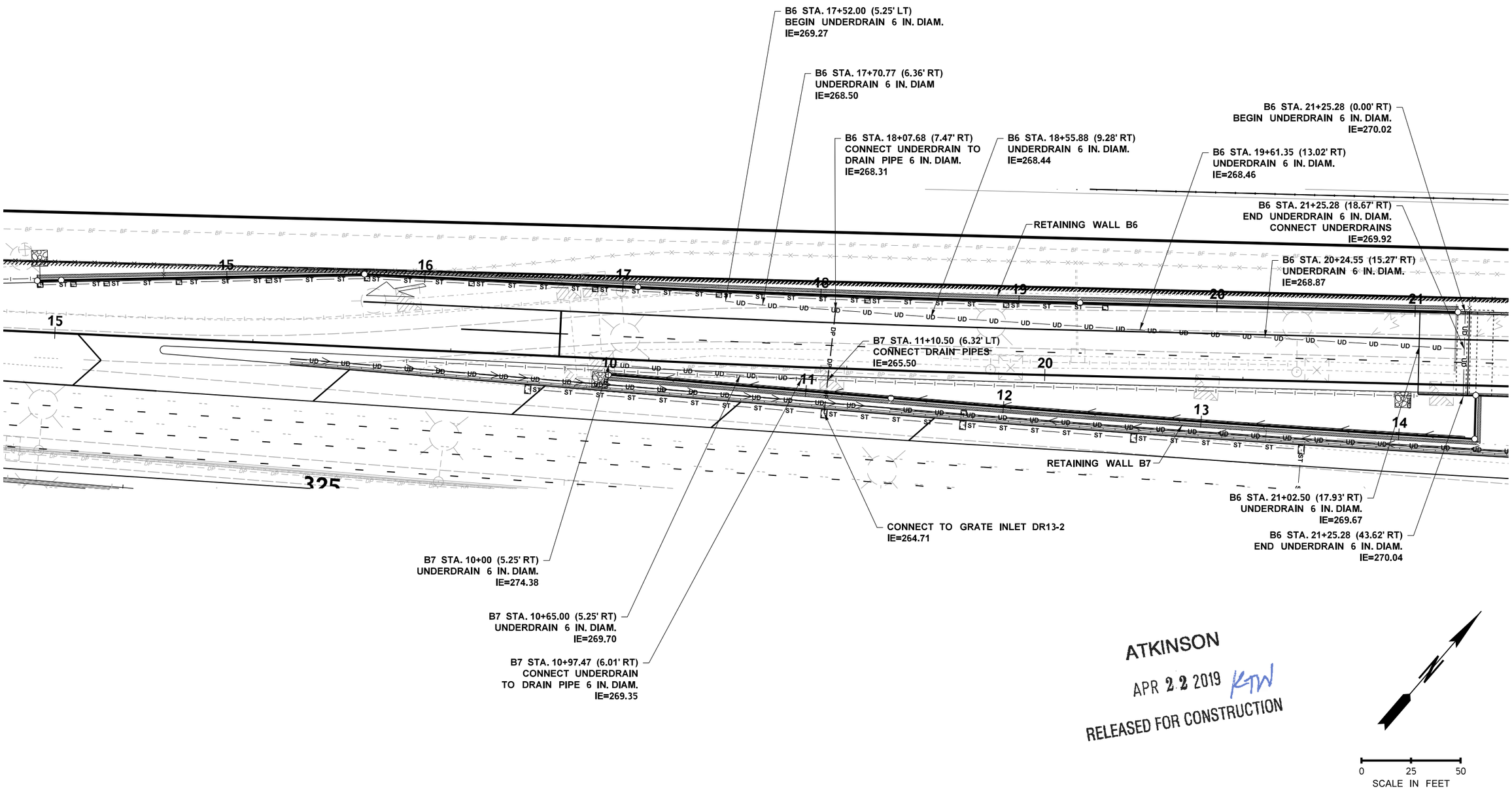
PLAN REF NO
DD21

SHEET 388 OF 1456 SHEETS

NOTE:

1. LOCATIONS AND ELEVATIONS SHOWN ARE APPROXIMATE. UNDERDRAIN IS LOCATED AT THE BACK OF REINFORCING ZONE. EXACT LOCATION TO BE DETERMINED BY MANUFACTURER.

AS-BUILT



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APR 22 2019 KTW

RELEASED FOR CONSTRUCTION

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DATE	4/17/2019						
PLOTTED BY	AndrewM						
DESIGNED BY	J. ZIGWEID						
ENTERED BY	G. RIMANDO						
CHECKED BY	J. ZIGWEID	REV 0 - RFC	04/17/19		CONTRACT NO. C9133		LOCATION NO.
PROJ. ENGR.	C. MEADE	REV A - FINAL REVIEW	03/01/19				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER

04/17/19
DATE
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ATKINSON CONSTRUCTION / JACOBS

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

RETAINING WALLS B6, B7
UNDERDRAIN PLAN

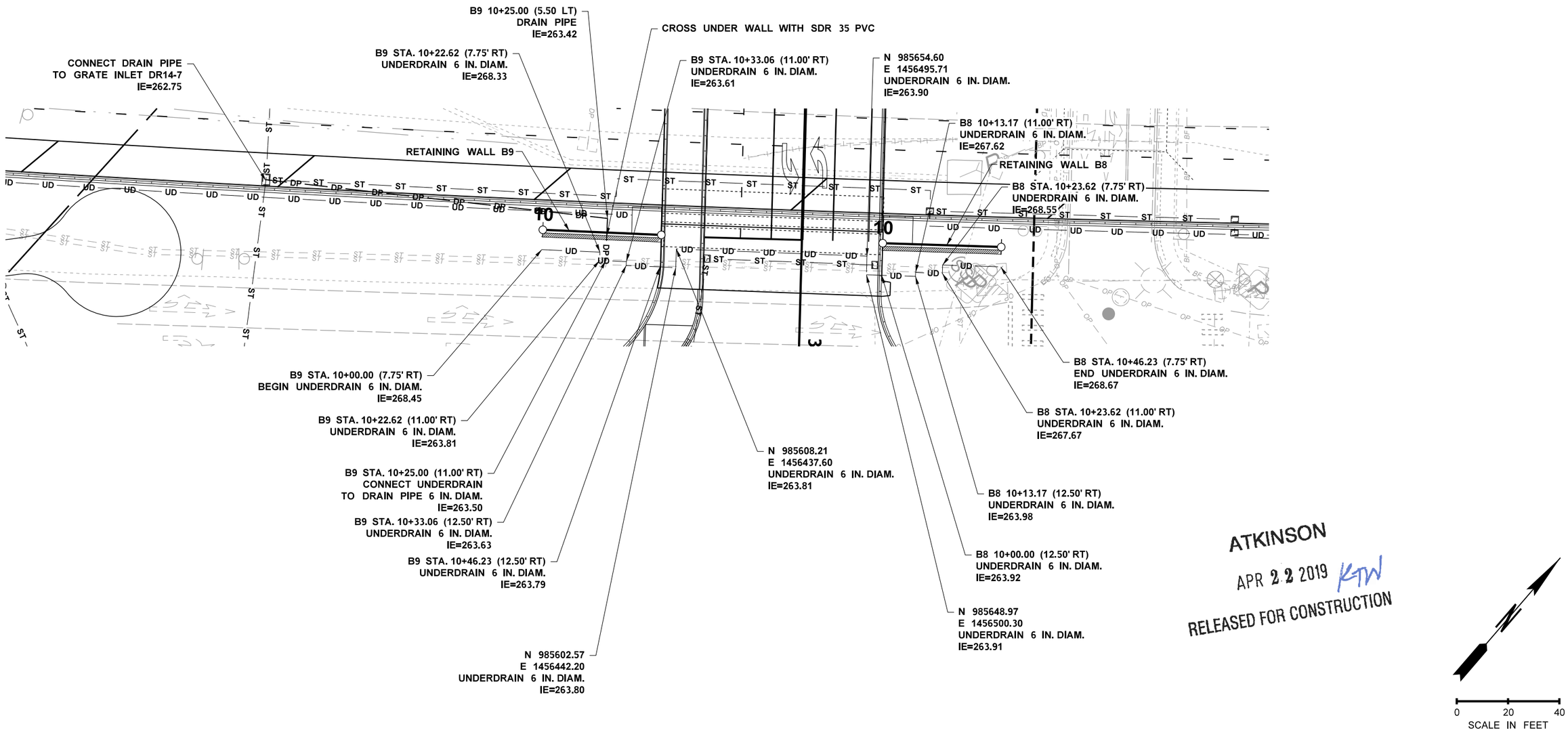
PLAN REF NO
DD22

SHEET 389 OF 1456 SHEETS

NOTE:

1. LOCATIONS AND ELEVATION SHOWN ARE APPROXIMATE. UNDERDRAIN IS LOCATED AT THE BACK OF REINFORCING ZONE. EXACT LOCATION TO BE DETERMINED BY MANUFACTURER.

AS-BUILT



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APR 22 2019 KTW

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TIME	2:38:10 PM				JOB NUMBER		
DATE	4/17/2019						
PLOTTED BY	AndrewM						
DESIGNED BY	J. ZIGWEID						
ENTERED BY	A. MAILLOUX						
CHECKED BY	J. ZIGWEID	REV 0 - RFC	04/17/19		CONTRACT NO. C9133		LOCATION NO.
PROJ. ENGR.	C. MEADE	REV A - FINAL REVIEW	03/01/19				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFERY D. ZIGWEID — STATE OF WASHINGTON — 51142 — REGISTERED PROFESSIONAL ENGINEER

04/17/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

RETAINING WALLS B8, B9
UNDERDRAIN PLAN

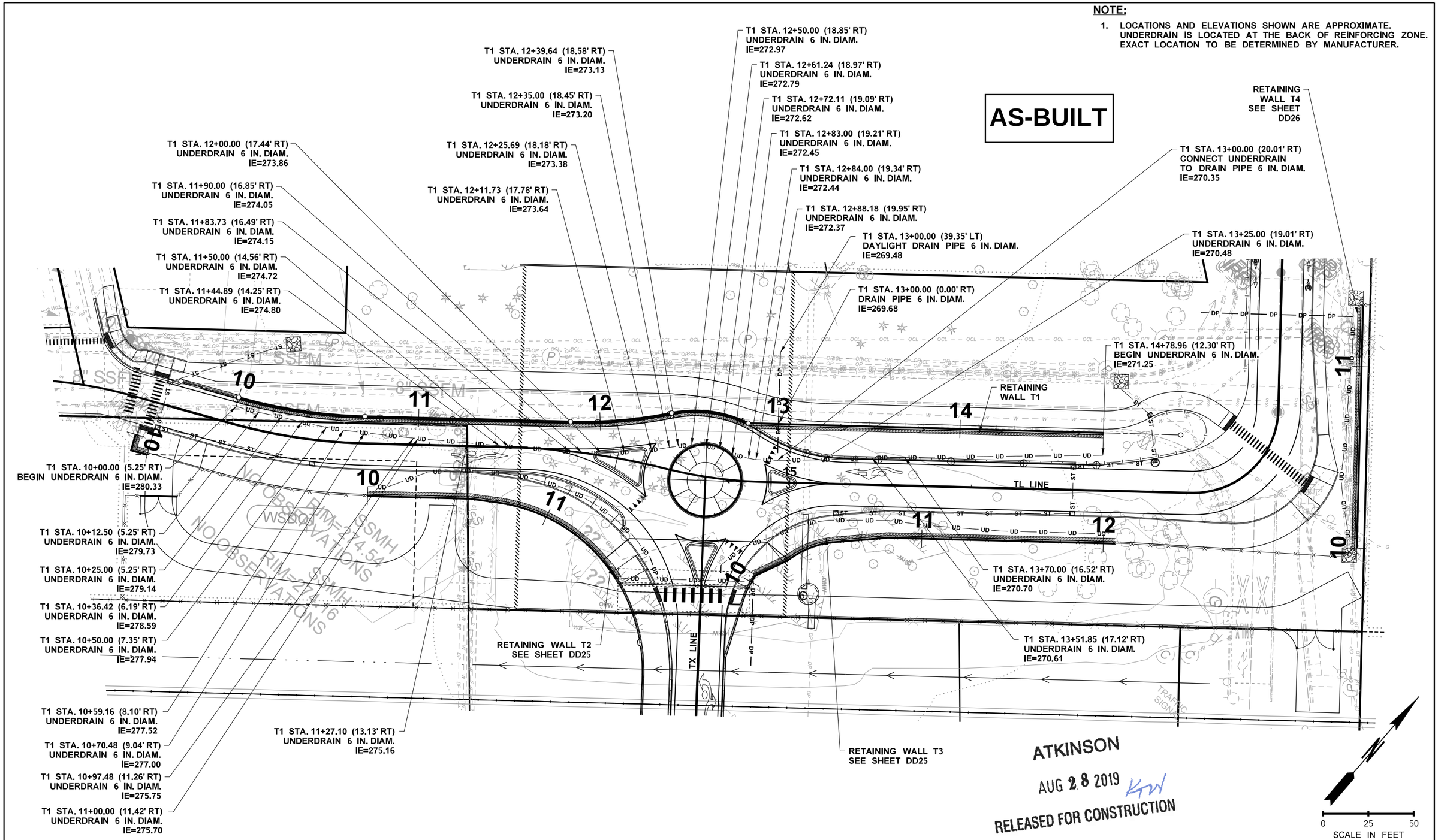
PLAN REF NO
DD23

SHEET 390 OF 1456 SHEETS

NOTE:

1. LOCATIONS AND ELEVATIONS SHOWN ARE APPROXIMATE. UNDERDRAIN IS LOCATED AT THE BACK OF REINFORCING ZONE. EXACT LOCATION TO BE DETERMINED BY MANUFACTURER.

AS-BUILT



ATKINSON

AUG 28 2019 KTW

RELEASED FOR CONSTRUCTION

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DATE	8/19/2019						
PLOTTED BY	AndrewM						
DESIGNED BY	J. ZIGWEID						
ENTERED BY	A. MAILLOUX						
CHECKED BY	J. ZIGWEID	REV 0 - RFC	08/20/19		CONTRACT NO. C9133		LOCATION NO.
PROJ. ENGR.	C. MEADE	REV A - FINAL REVIEW	07/29/19				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. TIMMONS, STATE OF WASHINGTON, 51141, REGISTERED PROFESSIONAL ENGINEER

8/28/19

DATE

P.E. STAMP BOX

DATE

P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON CONSTRUCTION / JACOBS

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

RETAINING WALL T1
UNDERDRAIN PLAN

PLAN REF NO
DD24

SHEET 391 OF 1456 SHEETS

AS-BUILT

NOTE:

1. LOCATIONS AND ELEVATIONS SHOWN ARE APPROXIMATE. UNDERDRAIN IS LOCATED AT THE BACK OF REINFORCING ZONE. EXACT LOCATION TO BE DETERMINED BY MANUFACTURER.

T2 STA. 10+32.81 (14.09' LT)
UNDERDRAIN 6 IN. DIAM.
IE=273.50

T2 STA. 10+10.65 (5.25' LT)
UNDERDRAIN 6 IN. DIAM.
IE=284.58

T2 STA. 10+00.00 (5.25' LT)
BEGIN UNDERDRAIN 6 IN. DIAM.
IE=289.91

T2 STA. 10+72.55 (16.41' LT)
UNDERDRAIN 6 IN. DIAM.
IE=272.87

T2 STA. 10+56.69 (15.61' LT)
UNDERDRAIN 6 IN. DIAM.
IE=272.96

T2 STA. 10+49.04 (15.23' LT)
UNDERDRAIN 6 IN. DIAM.
IE=273.00

T3 STA. 10+53.00 (12.00' LT)
UNDERDRAIN 6 IN. DIAM.
IE=282.08

T3 STA. 10+81.00 (9.52' LT)
UNDERDRAIN 6 IN. DIAM.
IE=283.65

T3 STA. 10+81.28 (9.49' LT)
UNDERDRAIN 6 IN. DIAM.
IE=283.67

T3 STA. 10+85.64 (9.11' LT)
UNDERDRAIN 6 IN. DIAM.
IE=283.91

T3 STA. 11+00.00 (7.61' LT)
UNDERDRAIN 6 IN. DIAM.
IE=285.06

T3 STA. 11+02.64 (7.33' LT)
UNDERDRAIN 6 IN. DIAM.
IE=285.27

T3 STA. 11+43.60 (5.25' LT)
UNDERDRAIN 6 IN. DIAM.
IE=285.38

RETAINING WALL T4
SEE SHEET DD26

RETAINING WALL T1
SEE SHEET DD24

T3 STA. 11+50.00 (5.25' LT)
UNDERDRAIN 6 IN. DIAM.
IE=285.40

RETAINING WALL T2

TL LINE

RETAINING WALL T3

T3 STA. 10+50.00 (12.26' LT)
UNDERDRAIN 6 IN. DIAM.
IE=281.91

T3 STA. 12+03.04 (5.25' LT)
BEGIN UNDERDRAIN 6 IN. DIAM.
IE=285.52

T3 STA. 10+43.50 (12.83' LT)
UNDERDRAIN 6 IN. DIAM.
IE=281.55

T3 STA. 10+37.16 (13.39' LT)
UNDERDRAIN 6 IN. DIAM.
IE=281.19

T3 STA. 10+33.90 (13.63' LT)
UNDERDRAIN 6 IN. DIAM.
IE=281.01

T2 STA. 10+84.83 (17.03' LT)
UNDERDRAIN 6 IN. DIAM.
IE=272.80

T2 STA. 11+00.00 (18.45' LT)
UNDERDRAIN 6 IN. DIAM.
IE=272.06

T2 STA. 11+10.00 (19.29' LT)
UNDERDRAIN 6 IN. DIAM.
IE=271.85

T2 STA. 11+20.00 (20.06' LT)
UNDERDRAIN 6 IN. DIAM.
IE=271.19

T2 STA. 11+30.00 (20.83' LT)
UNDERDRAIN 6 IN. DIAM.
IE=270.80

T2 STA. 11+40.00 (21.57' LT)
UNDERDRAIN 6 IN. DIAM.
IE=270.41

TX STA.21+01.63 (44.42' RT)
BEGIN UNDERDRAIN 6 IN. DIAM.
IE=270.00

T2 STA. 11+52.00 (21.88' LT)
CONNECT UNDERDRAIN
TO DRAIN PIPE 6 IN. DIAM.
IE=270.37

TX STA. 21+01.35 (23.87' RT)
CONNECT DRAIN PIPE TO
UNDERDRAIN 6 IN. DIAM.
IE=270.00

TX STA. 21+46.93 (29.07' LT)
DAYLIGHT DRAIN PIPE
6 IN. DIAM.
IE=269.77

T3 STA. 10+04.18 (17.24' LT)
UNDERDRAIN 6 IN. DIAM.
IE=276.83

T3 STA. 10+00.00 (19.12' LT)
CONNECT UNDERDRAIN
TO DRAIN PIPE 6 IN. DIAM.
IE=274.29

TX STA. 21+00.87 (10.67' LT)
CONNECT DRAIN PIPE TO
UNDERDRAIN 6 IN. DIAM.
IE=270.00

T3 STA. 10+30.00 (14.21' LT)
UNDERDRAIN 6 IN. DIAM.
IE=280.40

T3 STA. 10+24.05 (15.08' LT)
UNDERDRAIN 6 IN. DIAM.
IE=274.46

T3 STA. 10+14.16 (15.97' LT)
UNDERDRAIN 6 IN. DIAM.
IE=278.42

T3 STA. 10+05.00 (17.14' LT)
UNDERDRAIN 6 IN. DIAM.
IE=276.96

TX STA. 21+00.63 (28.67' LT)
DRAIN PIPE 6 IN. DIAM.
IE=270.00

TX STA. 21+00.65 (26.67' LT)
CONNECT UNDERDRAIN TO
DRAIN PIPE 6 IN. DIAM.
IE=270.00

ATKINSON
AUG 28 2019
RELEASED FOR CONSTRUCTION

0 25 50
SCALE IN FEET

FILE NAME	c:\pwworking\jacobs_b&i\ex-mailloa\dms20633\DE_DD25.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	8:03:10 AM				10	WASH	
DATE	8/19/2019				JOB NUMBER		
PLOTTED BY	AndrewM						
DESIGNED BY	J. ZIGWEID						
ENTERED BY	A. MAILLOUX						
CHECKED BY	J. ZIGWEID	REV 0 - RFC	08/20/19		CONTRACT NO.	LOCATION NO.	
PROJ. ENGR.	C. MEADE	REV A - FINAL REVIEW	07/29/19		C9133		
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFERY D. ZIGWEID — STATE OF WASHINGTON — 5141 — REGISTERED PROFESSIONAL ENGINEER
8/28/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON CONSTRUCTION / JACOBS

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

RETAINING WALLS T2,
T3 UNDERDRAIN PLAN

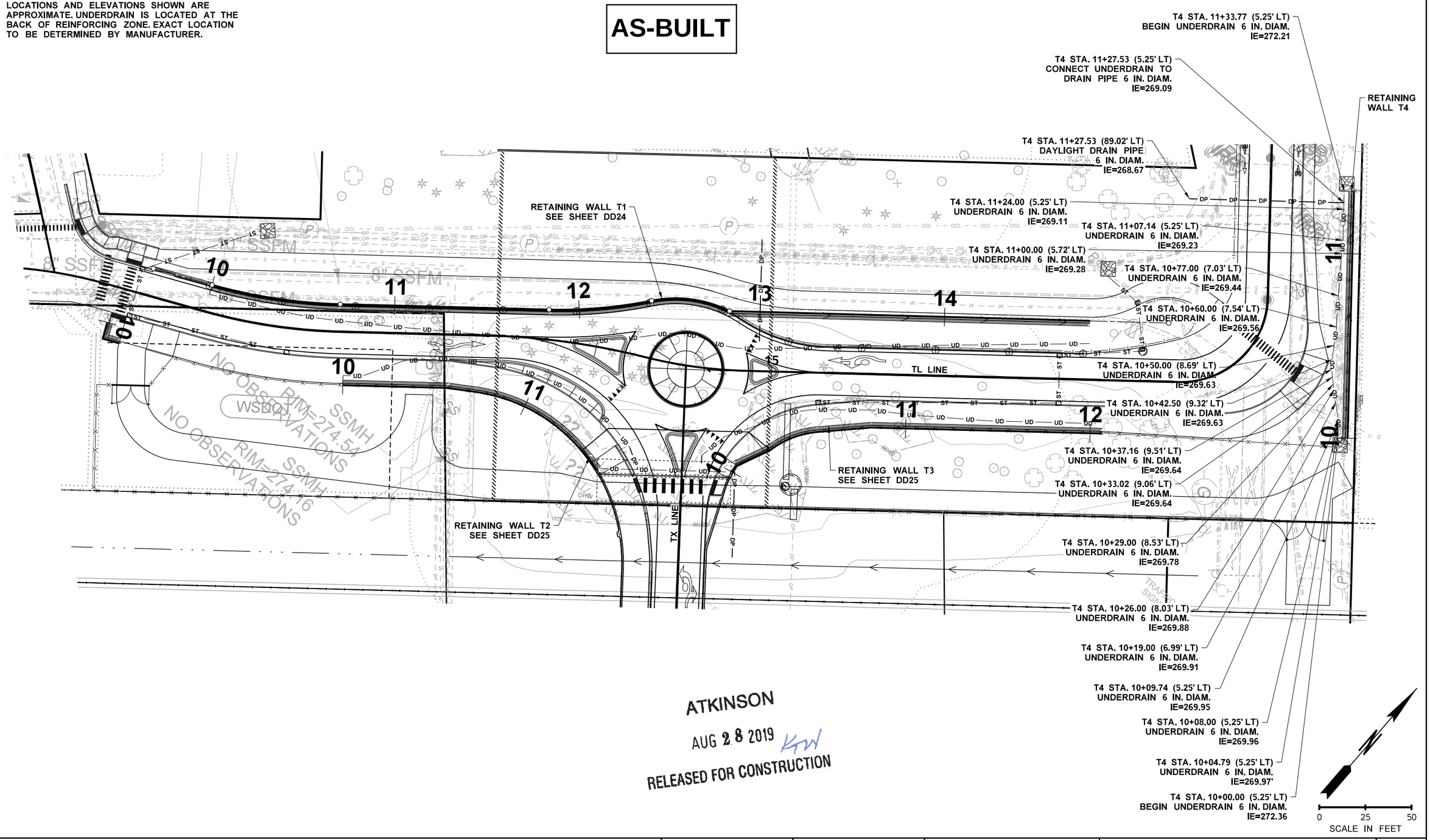
PLAN REF NO
DD25

SHEET
392
OF
1456
SHEETS

NOTE:

1. LOCATIONS AND ELEVATIONS SHOWN ARE APPROXIMATE. UNDERDRAIN IS LOCATED AT THE BACK OF REINFORCING ZONE. EXACT LOCATION TO BE DETERMINED BY MANUFACTURER.

AS-BUILT



ATKINSON

AUG 28 2019 KTW

RELEASED FOR CONSTRUCTION

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TIME	8:16:10 AM				10	WASH	
DATE	8/19/2019				JOB NUMBER		
PLOTTED BY	AndrewM						
DESIGNED BY	J. ZIGWEID						
ENTERED BY	A. MAILLOUX						
CHECKED BY	J. ZIGWEID	REV 0 - RFC	08/20/19		CONTRACT NO.	LOCATION NO.	
PROJ. ENGR.	C. MEADE	REV A - FINAL REVIEW	07/29/19		C9133		
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFERY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER

8/28/19

DATE

P.E. STAMP BOX

DATE

P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON CONSTRUCTION / JACOBS

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

RETAINING WALLS
T4 UNDERDRAIN PLAN

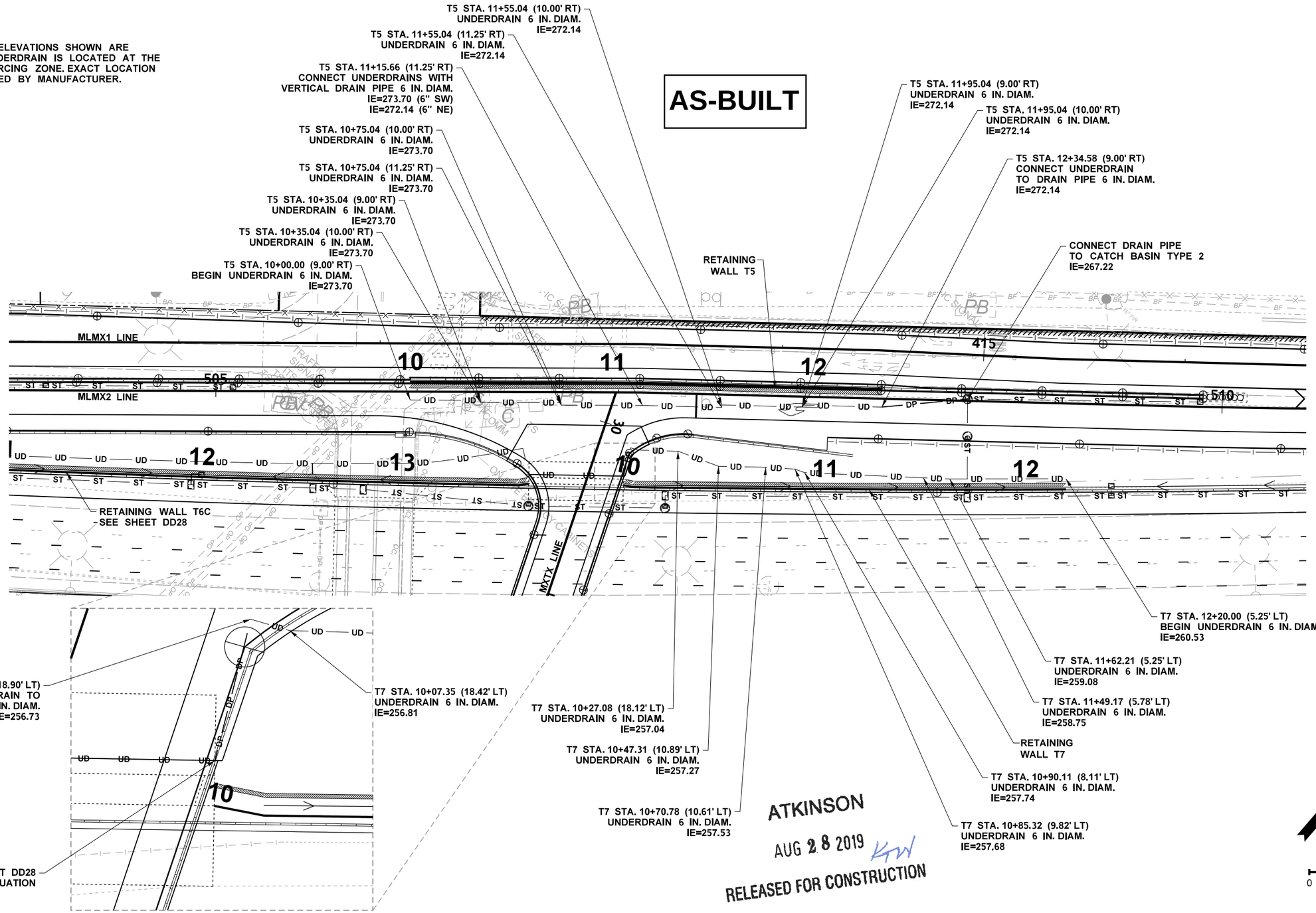
PLAN REF NO
DD26

SHEET 393 OF 1456 SHEETS

NOTE:

1. LOCATIONS AND ELEVATIONS SHOWN ARE APPROXIMATE. UNDERDRAIN IS LOCATED AT THE BACK OF REINFORCING ZONE. EXACT LOCATION TO BE DETERMINED BY MANUFACTURER.

AS-BUILT



ATKINSON
AUG 28 2019
RELEASED FOR CONSTRUCTION

FILE NAME	c:\pwworking\jacobs_b&i\pw-zigweijd\dms20633\DE_DD27.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	2:17:00 PM				10	WASH	
DATE	8/19/2019				JOB NUMBER		
PLOTTED BY	jeffz						
DESIGNED BY	J. ZIGWEID						
ENTERED BY	A. MAILLOUX						
CHECKED BY	J. ZIGWEID	REV 0 - RFC	08/20/19		CONTRACT NO.	LOCATION NO.	
PROJ. ENGR.	C. MEADE	REV A - FINAL REVIEW	07/29/19		C9133		
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFERY D. ZIGWEID, STATE OF WASHINGTON, 5141, REGISTERED PROFESSIONAL ENGINEER
8/28/19
P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

RETAINING WALLS T5, T7
UNDERDRAIN PLAN

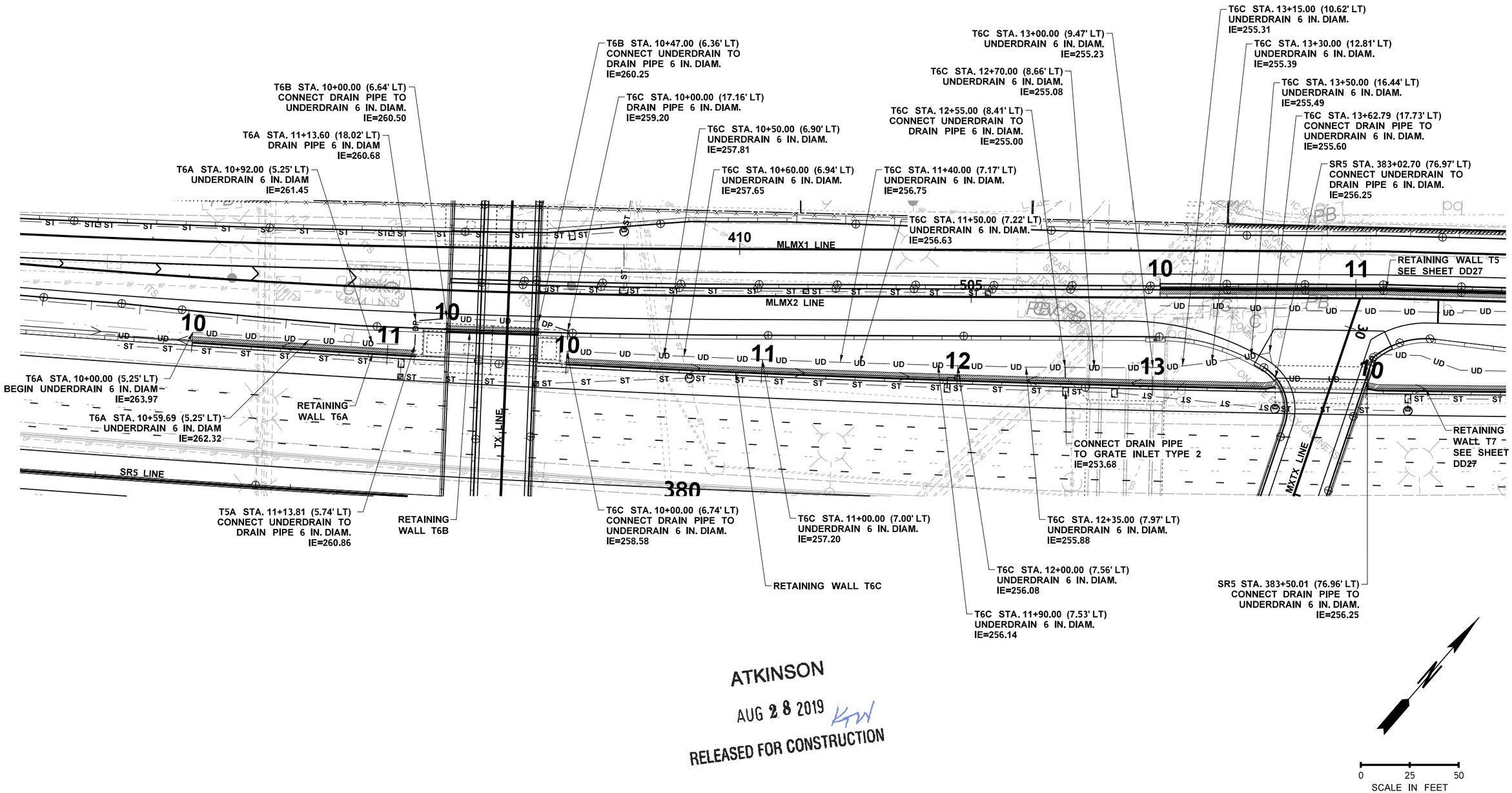
PLAN REF NO
DD27

SHEET
394
OF
1456
SHEETS

NOTE:

1. LOCATIONS AND ELEVATIONS SHOWN ARE APPROXIMATE. UNDERDRAIN IS LOCATED AT THE BACK OF REINFORCING ZONE. EXACT LOCATION TO BE DETERMINED BY MANUFACTURER.

AS-BUILT



ATKINSON

AUG 28 2019 KW

RELEASED FOR CONSTRUCTION

0 25 50
SCALE IN FEET

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DATE	8/19/2019				JOB NUMBER		
PLOTTED BY	jeffz						
DESIGNED BY	J. ZIGWEID						
ENTERED BY	A. MAILLOUX						
CHECKED BY	J. ZIGWEID	REV 0 - RFC	08/20/19		CONTRACT NO.	LOCATION NO.	
PROJ. ENGR.	C. MEADE	REV A - FINAL REVIEW	07/29/19		C9133		
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
8/28/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON CONSTRUCTION / JACOBS

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

RETAINING WALLS T6A, T6B, T6C
UNDERDRAIN PLAN

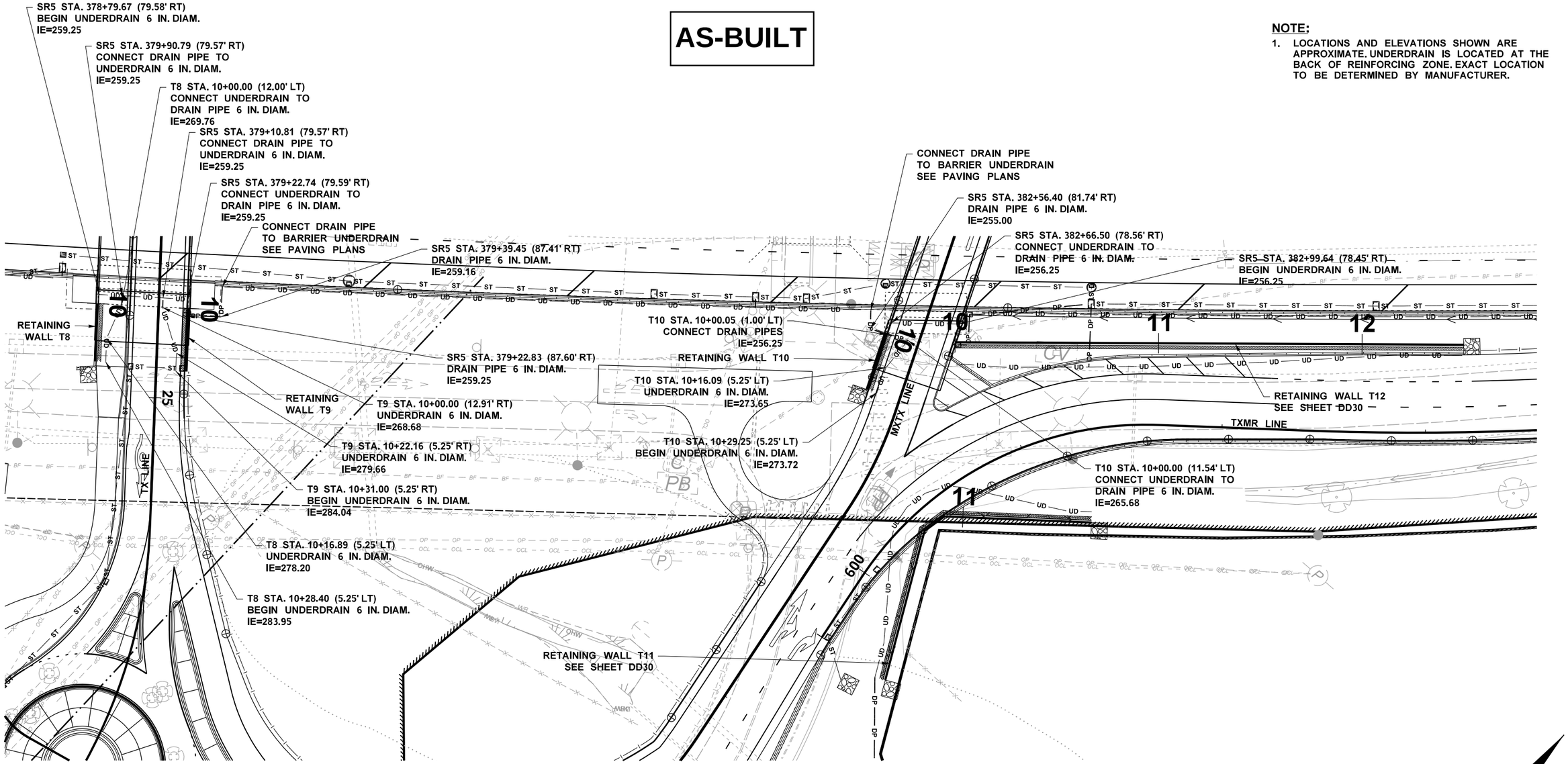
PLAN REF NO
DD28

SHEET
395
OF
1456
SHEETS

AS-BUILT

NOTE:

1. LOCATIONS AND ELEVATIONS SHOWN ARE APPROXIMATE. UNDERDRAIN IS LOCATED AT THE BACK OF REINFORCING ZONE. EXACT LOCATION TO BE DETERMINED BY MANUFACTURER.



ATKINSON

AUG 28 2019 KW

RELEASED FOR CONSTRUCTION

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DATE	8/19/2019						
PLOTTED BY	AndrewM						
DESIGNED BY	J. ZIGWEID						
ENTERED BY	A. MAILLOUX						
CHECKED BY	J. ZIGWEID	REV 0 - RFC	08/20/19				
PROJ. ENGR.	C. MEADE	REV A - FINAL REVIEW	07/29/19				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

REGION NO.	STATE
10	WASH

JOB NUMBER

CONTRACT NO. C9133

FED.AID PROJ.NO.

LOCATION NO.

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
8/28/19
DATE
P.E. STAMP BOX

DATE
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Washington State Department of Transportation

ATKINSON CONSTRUCTION / JACOBS

I-5
STEILACOOM-DUPONT RD TO THORNE LN CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

RETAINING WALLS T8, T9, T10, UNDERDRAIN PLAN

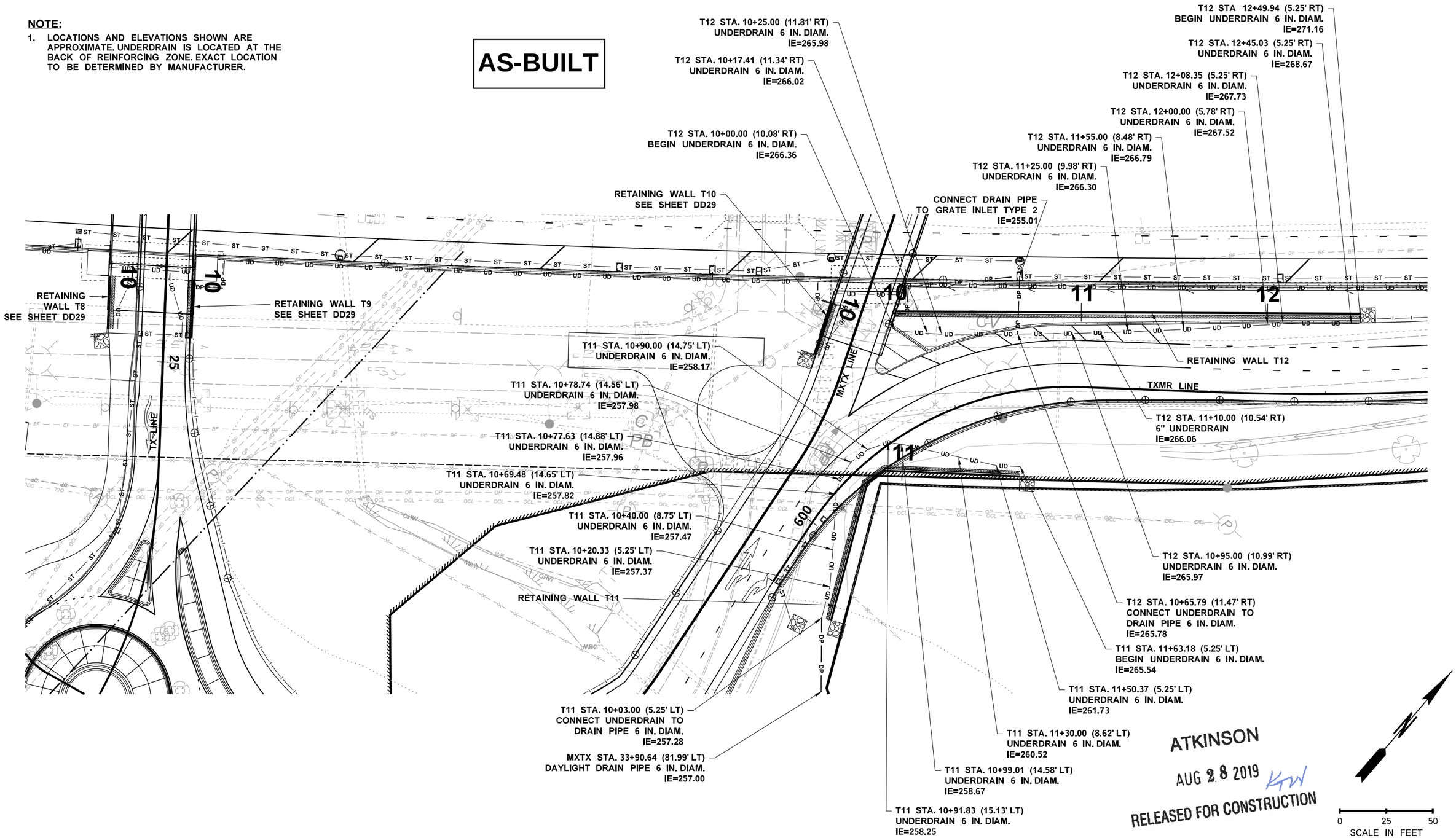
PLAN REF NO
DD29

SHEET 396 OF 1456 SHEETS

NOTE:

1. LOCATIONS AND ELEVATIONS SHOWN ARE APPROXIMATE. UNDERDRAIN IS LOCATED AT THE BACK OF REINFORCING ZONE. EXACT LOCATION TO BE DETERMINED BY MANUFACTURER.

AS-BUILT



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PLOTTED BY	AndrewM						
DESIGNED BY	J. ZIGWEID						
ENTERED BY	A. MAILLOUX						
CHECKED BY	J. ZIGWEID	REV 0 - RFC	08/20/19		CONTRACT NO. C9133		LOCATION NO.
PROJ. ENGR.	C. MEADE	REV A - FINAL REVIEW	07/29/19				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
8/28/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

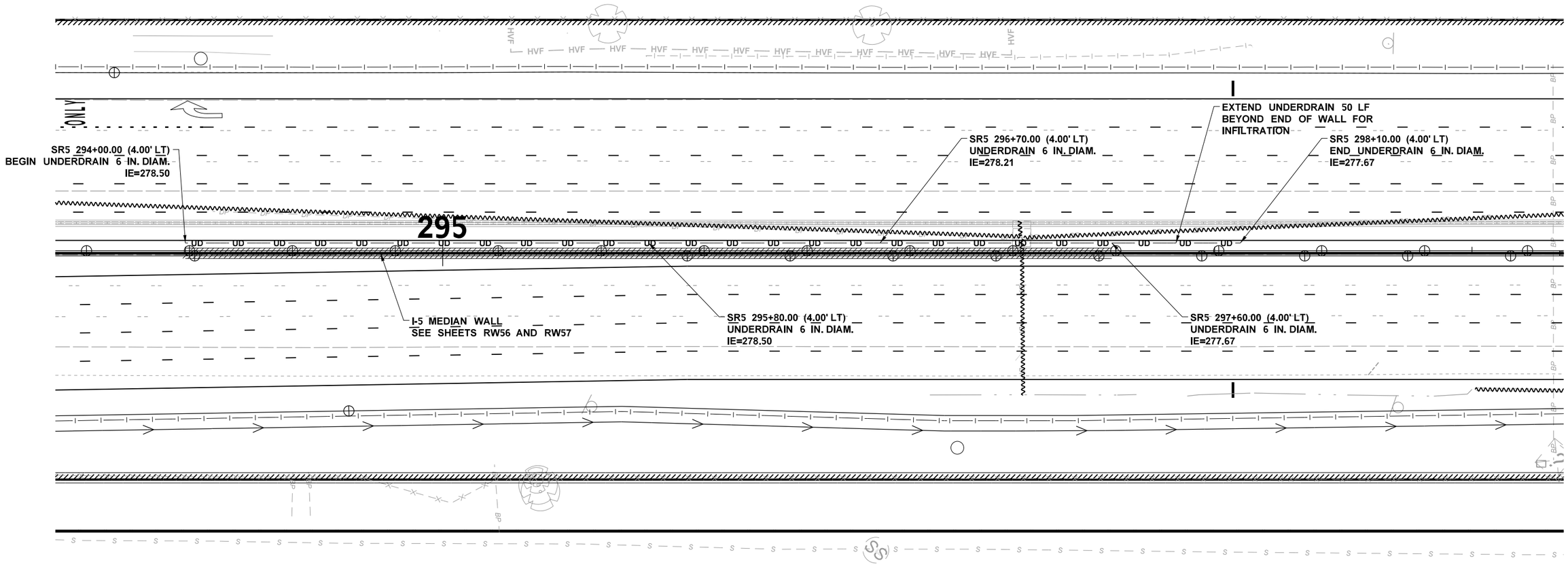
ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

RETAINING WALLS T11, T12
UNDERDRAIN PLAN

PLAN REF NO DD30

SHEET 397 OF 1456 SHEETS



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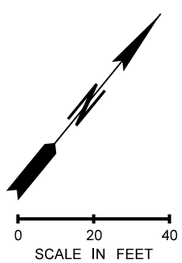

NOTE:

1. LOCATIONS AND ELEVATIONS SHOWN ARE APPROXIMATE. UNDERDRAIN MAY BE LOCATED OUTSIDE OF THE LIMIT OF GRAVEL BACKFILL AT CONTRACTOR'S OPTION.

ATKINSON
NOV 06 2019
RELEASED FOR CONSTRUCTION

FILE NAME	c:\pwworking\jacobs_b&i\pw-zigweijd\dms20633\DE_DD31.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	11:21:24 AM						
DATE	10/28/2019				JOB NUMBER		
PLOTTED BY	JeffZ						
DESIGNED BY	J. ZIGWEID						
ENTERED BY	A. MAILLOUX				CONTRACT NO. C9133		LOCATION NO.
CHECKED BY	J. ZIGWEID						
PROJ. ENGR.	C. MEADE	REV 0 - RFI0286	10/28/19				
REGIONAL ADM.	J. WYNANDS	REVISION	DATE	BY			

JEFFREY D. ZIGWEID — STATE OF WASHINGTON — 51141 — REGISTERED PROFESSIONAL ENGINEER
11/6/19
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

ATKINSON / JACOBS CONSTRUCTION

I-5
STEILACOOM-DUPONT RD TO THORNE LN
CORRIDOR IMPROVEMENTS
MP 120.01 TO MP 124.45

I-5 MEDIAN WALL
UNDERDRAIN PLAN

PLAN REF NO
DD31

SHEET
398
OF
1456
SHEETS